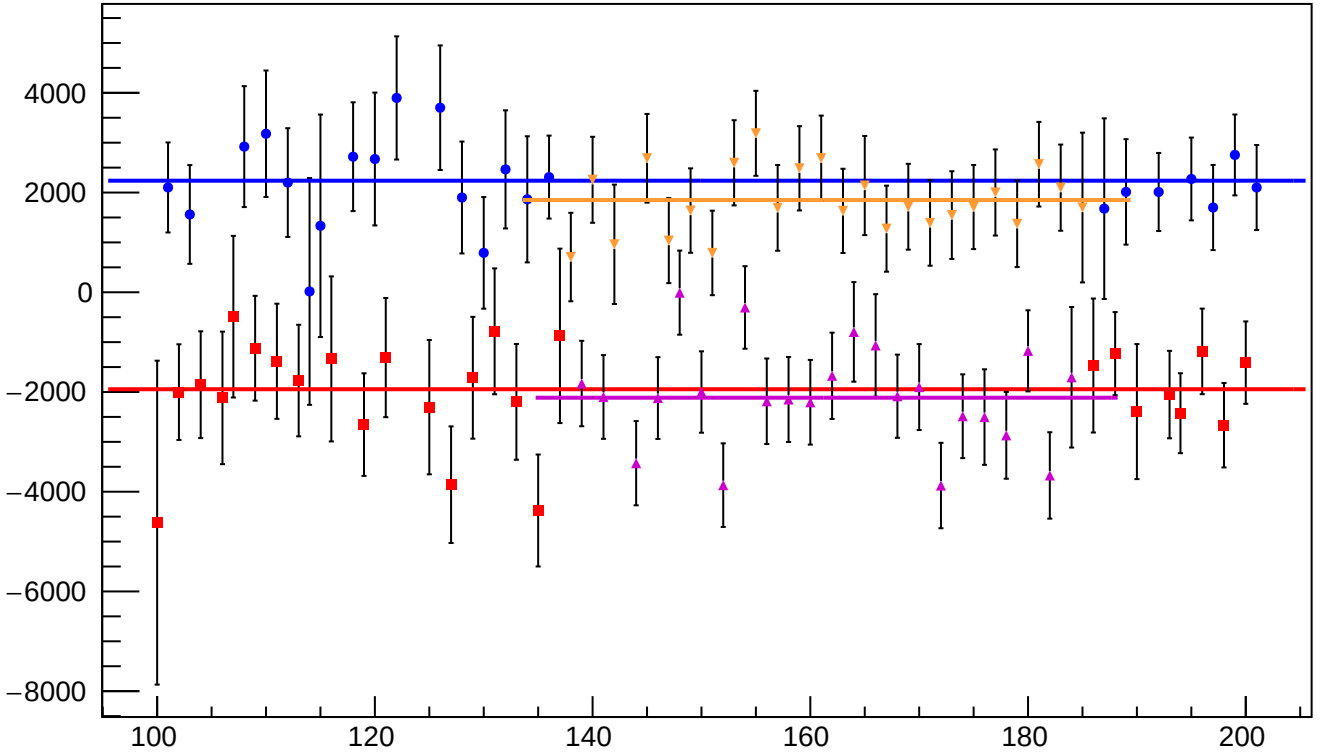
reg_asym_us_avg_mean vs Slug



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: -1944.485+/-215.551 χ^2/NDF: 15.3/25

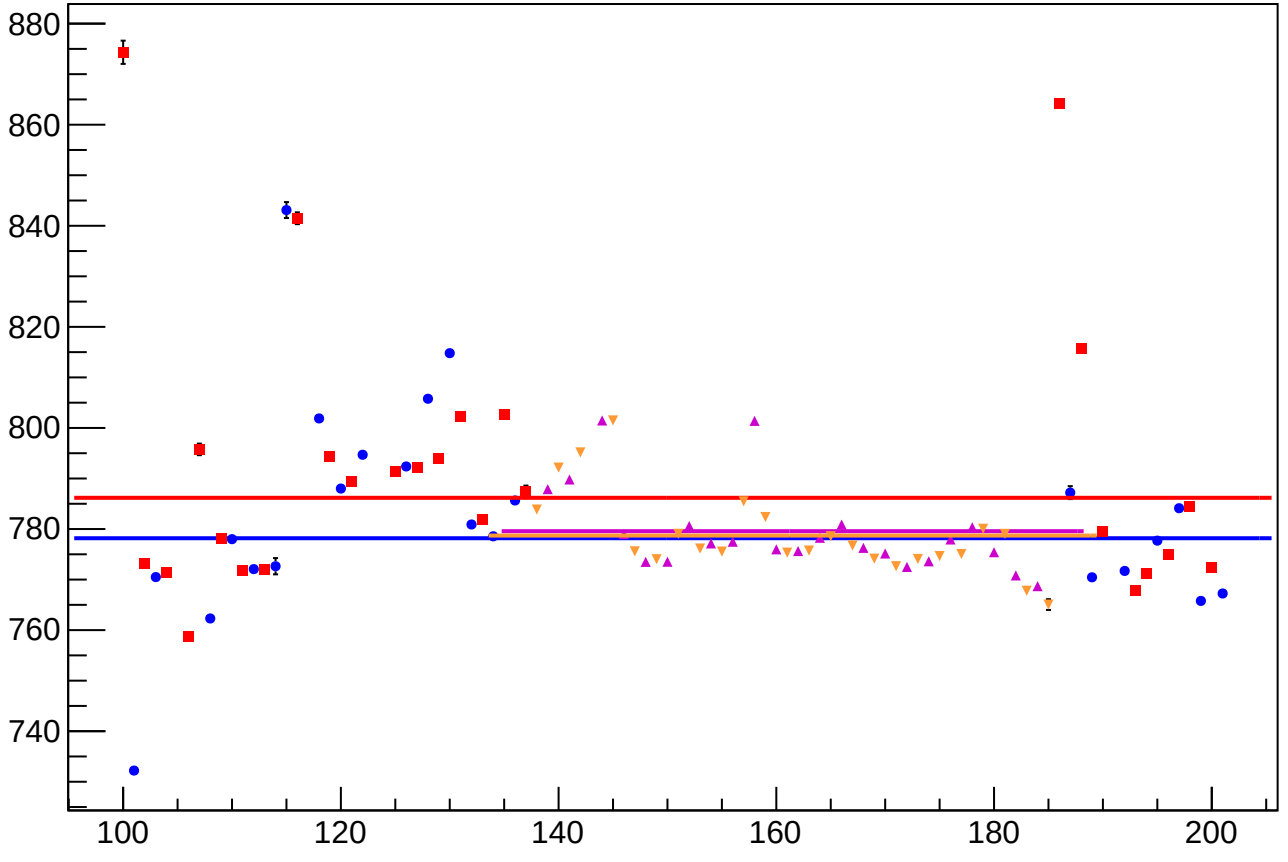
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -32.966+/-98.668 χ^2/NDF: 491.2/95

- sign -2043.693+/-139.073 χ^2/NDF: 46.7/48

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: 786.180+/-0.152 χ^2/NDF: 19024.0/25

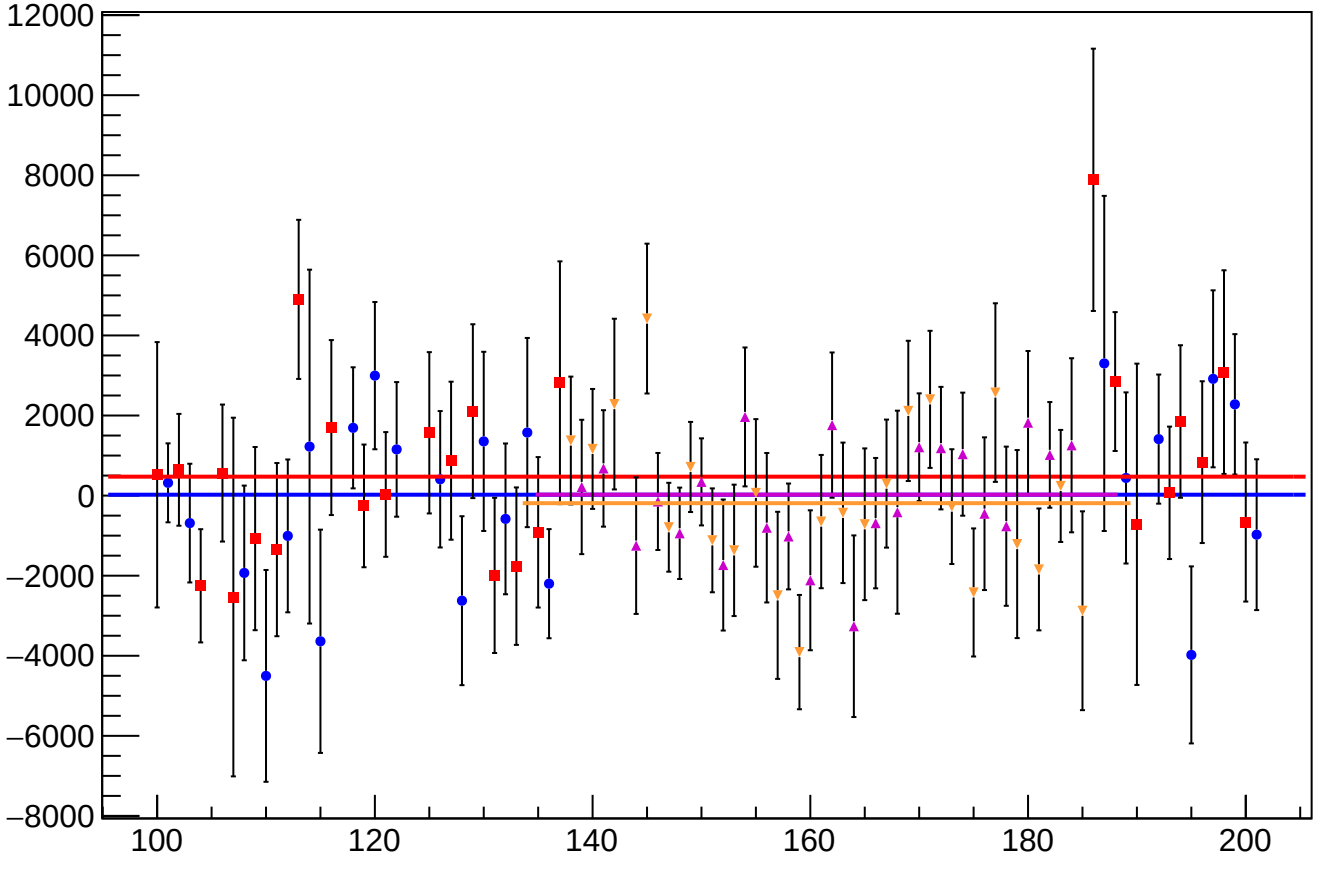
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 780.424+/-0.070 χ^2/NDF: 42233.7/95

- sign 782.324+/-0.098 χ^2/NDF: 24293.2/48

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: 472.919+/-388.759 χ^2/NDF: 25.0/25

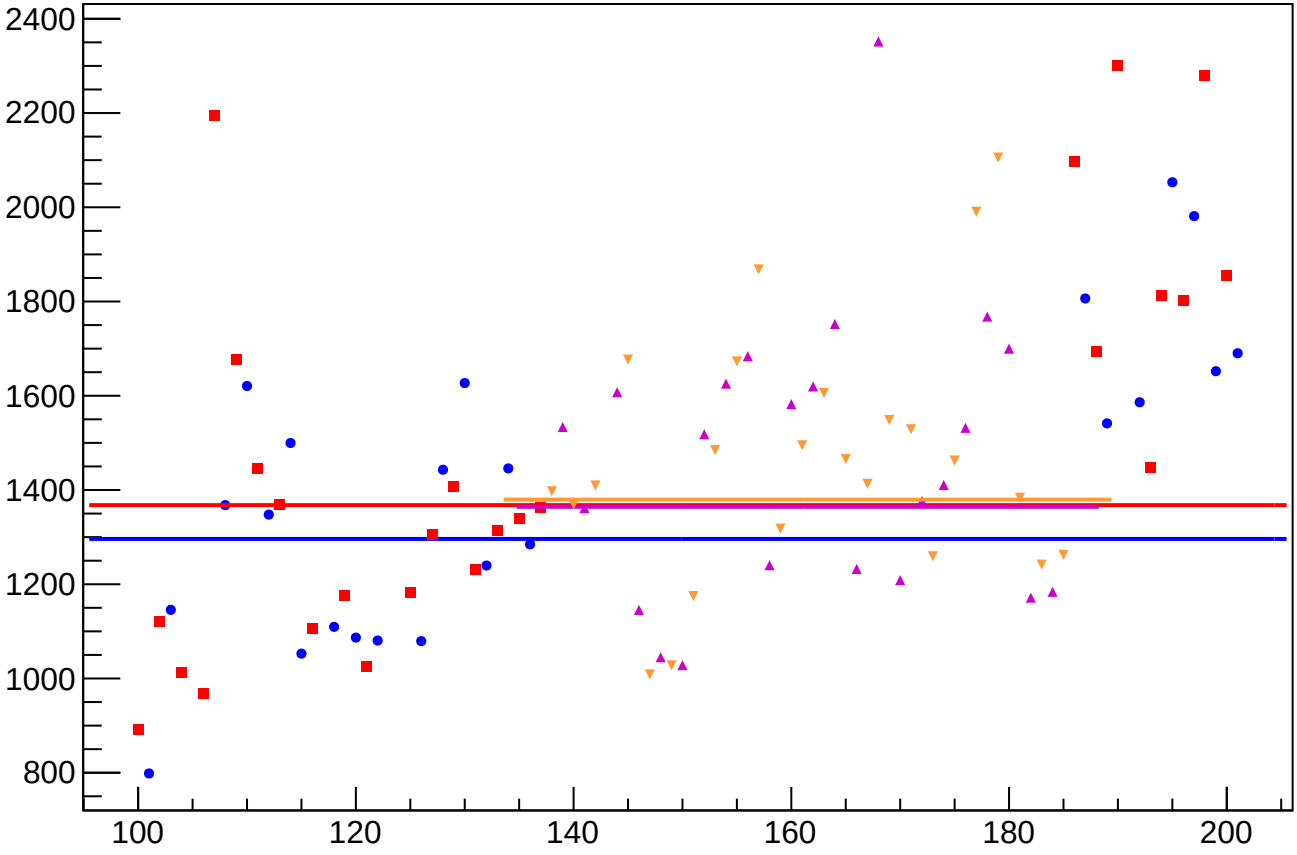
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: 54.211+/-176.294 χ^2/NDF: 93.7/95

- sign 209.069+/-249.710 χ^2/NDF: 39.2/48

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

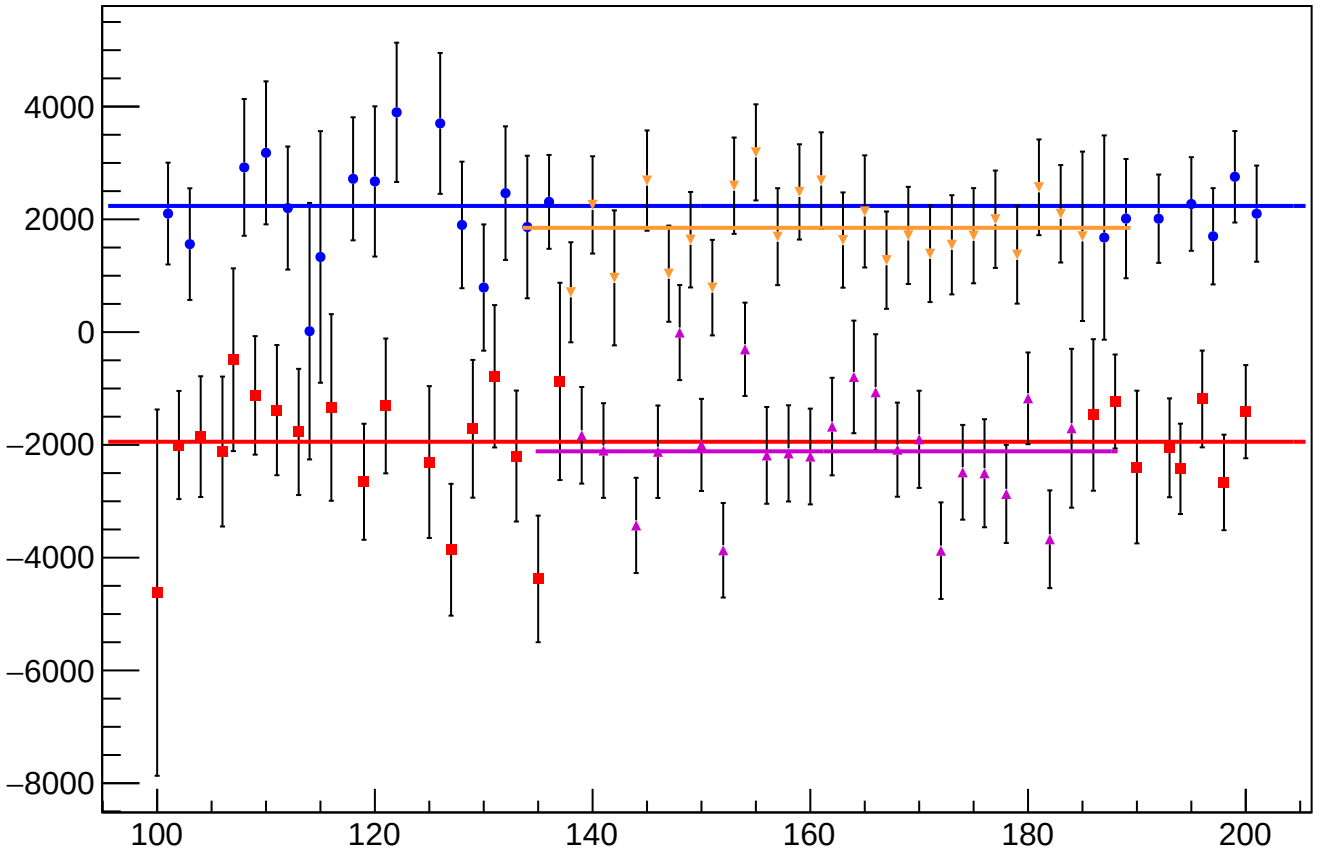
Right Out: 1367.897+/-0.275 χ^2/NDF: 1497167.2/25

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

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

All: 1355.029+/-0.125 χ^2/NDF: 5516437.4/95

- sign 1365.850+/-0.177 χ^2/NDF: 2809561.2/48



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: -1944.485+/-215.551 χ^2/NDF: 15.3/25

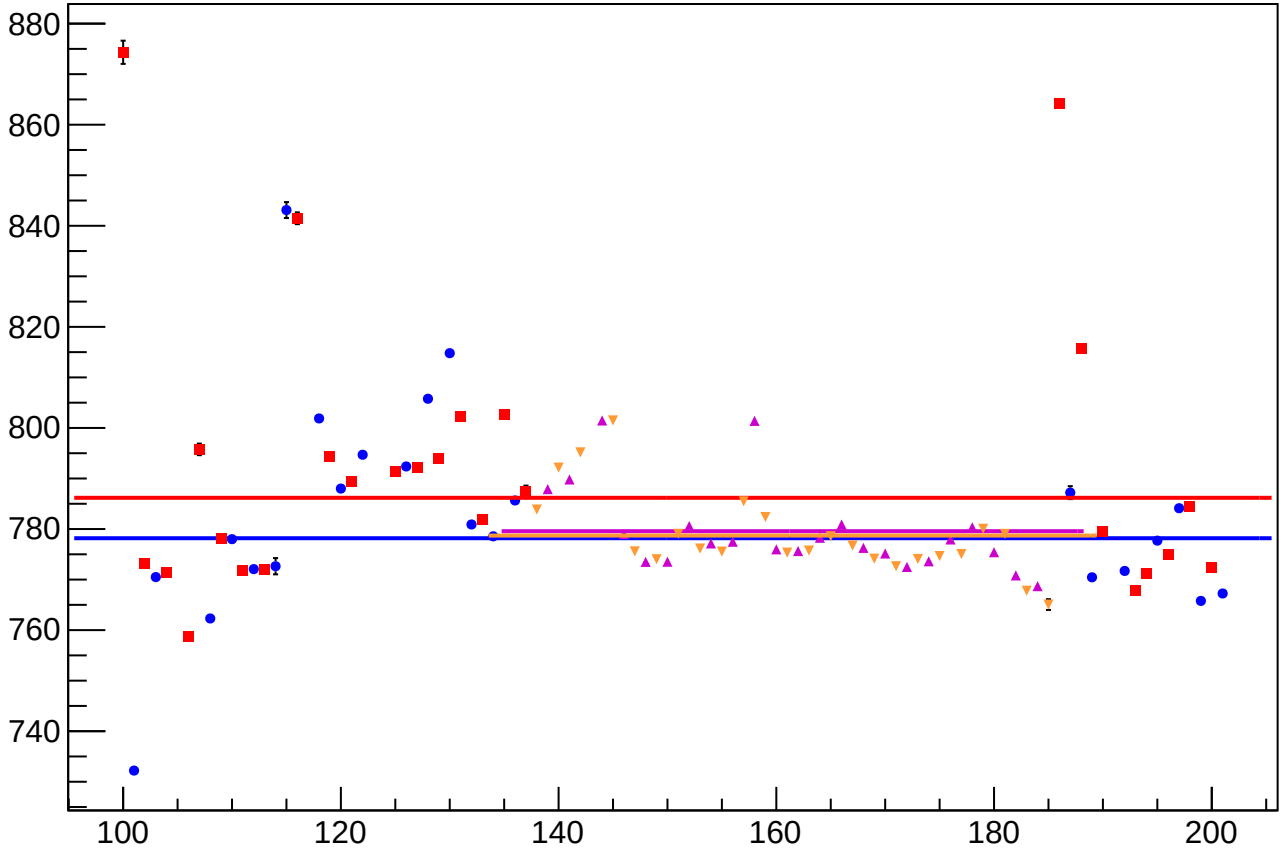
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -32.966+/-98.668 χ^2/NDF: 491.2/95

- sign -2043.693+/-139.073 χ^2/NDF: 46.7/48

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: 786.180+/-0.152 χ^2/NDF: 19024.0/25

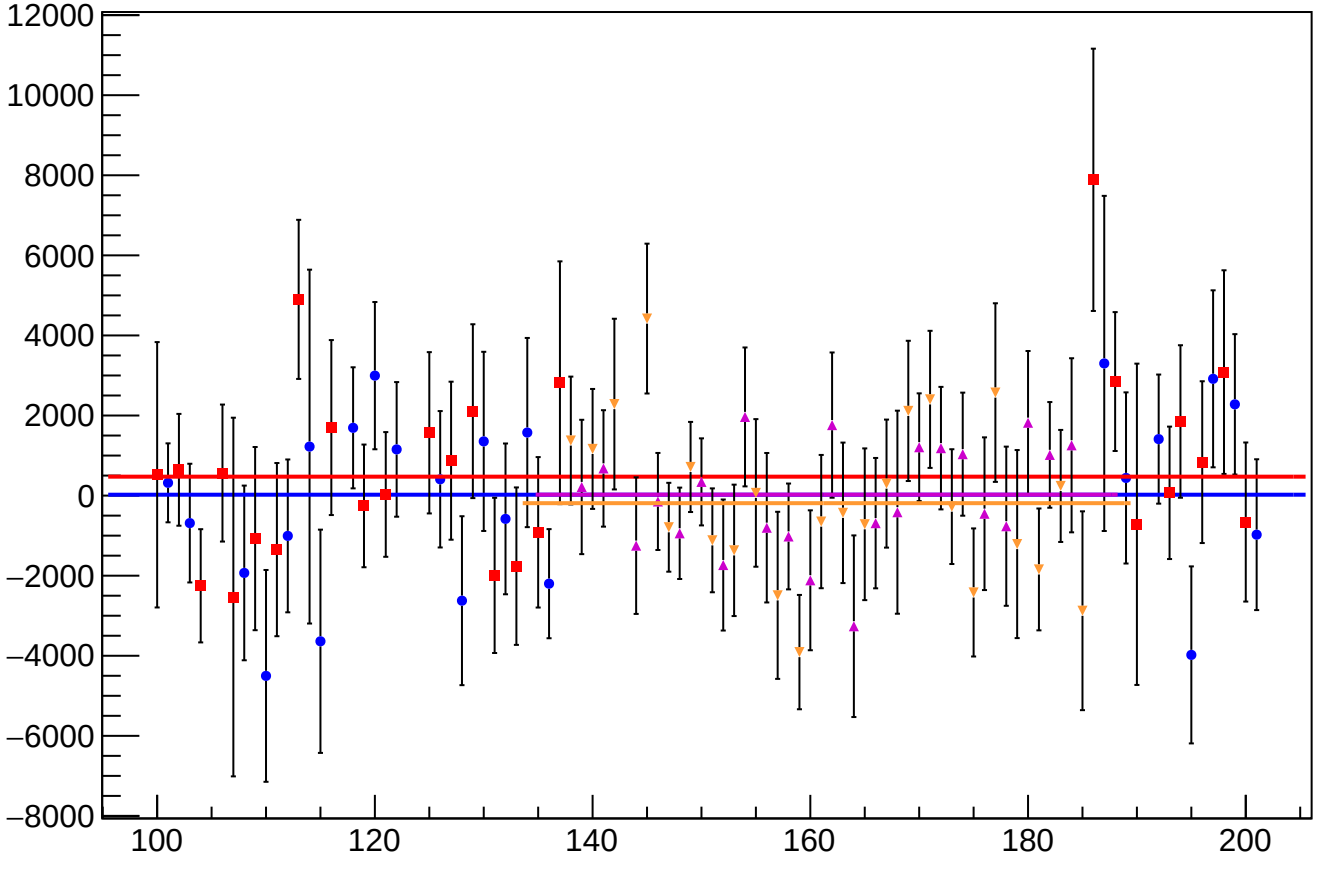
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 780.424+/-0.070 χ^2/NDF: 42233.7/95

- sign 782.324+/-0.098 χ^2/NDF: 24293.2/48

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: 472.919+/-388.759 χ^2/NDF: 25.0/25

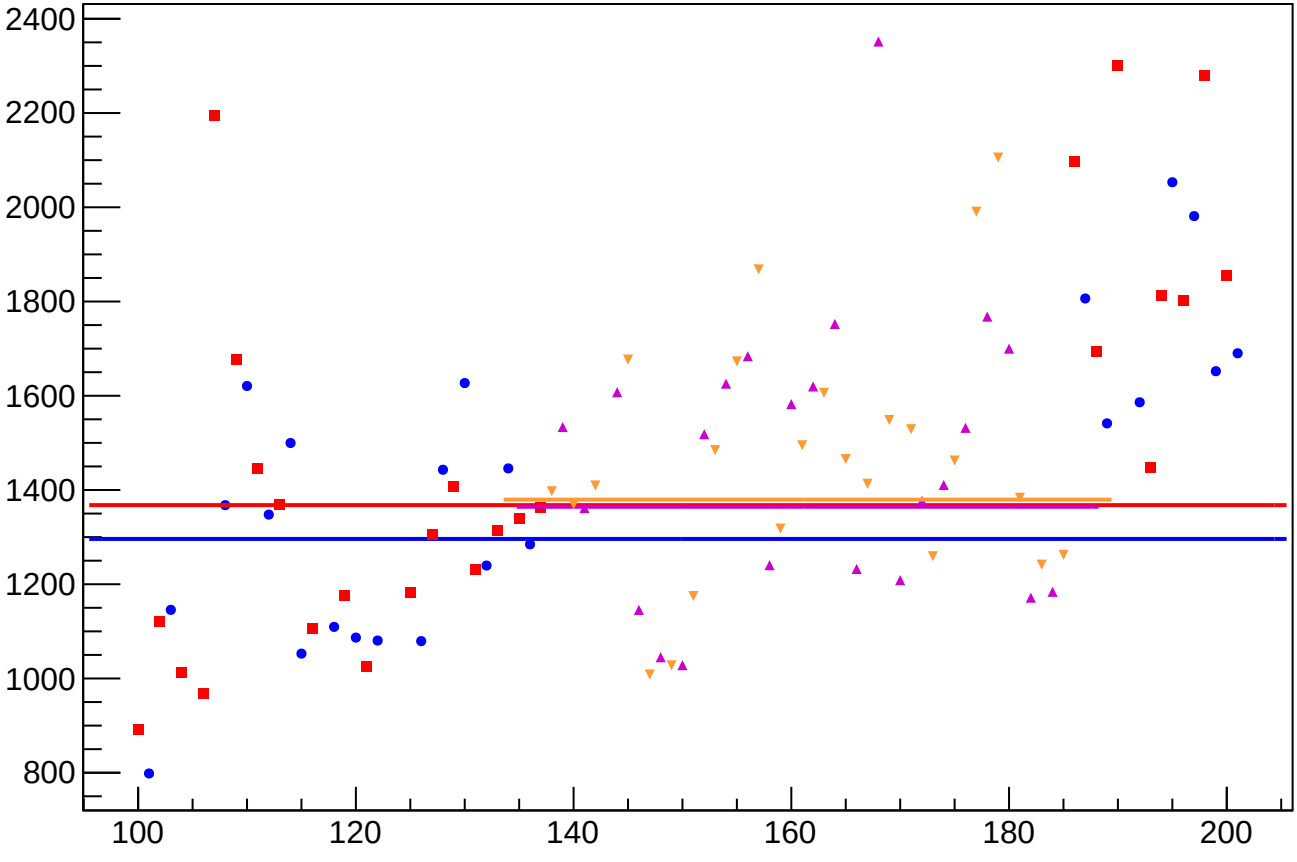
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: 54.211+/-176.294 χ^2/NDF: 93.7/95

- sign 209.069+/-249.710 χ^2/NDF: 39.2/48

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: 1367.897+/-0.275 χ^2/NDF: 1497167.2/25

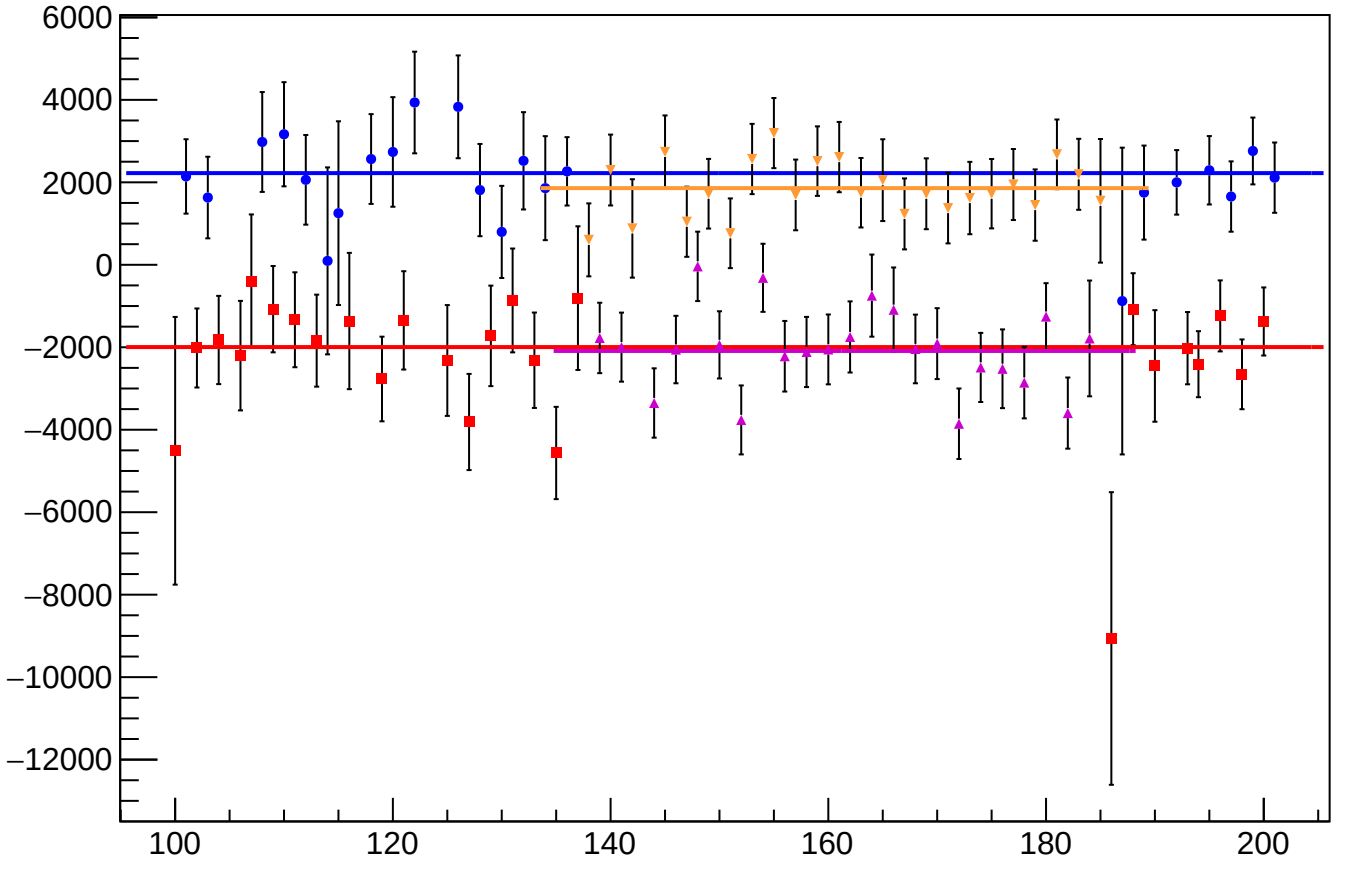
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

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

All: 1355.029+/-0.125 χ^2/NDF: 5516437.4/95

- sign 1365.850+/-0.177 χ^2/NDF: 2809561.2/48

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: -1995.351+/-218.326 χ^2/NDF: 20.3/25

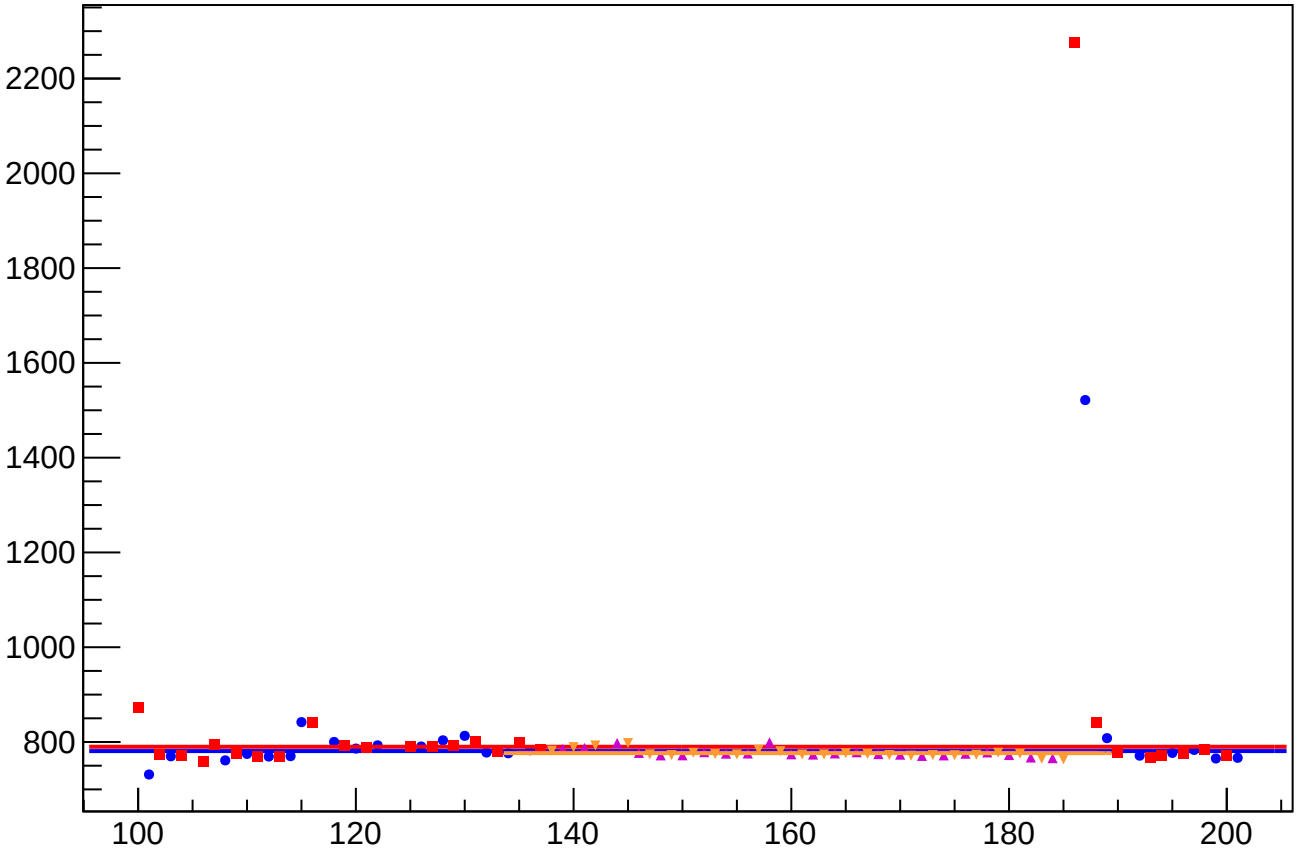
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

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

All: -32.274+/-98.903 χ^2/NDF: 495.3/95

- sign -2051.014+/-139.580 χ^2/NDF: 50.1/48

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

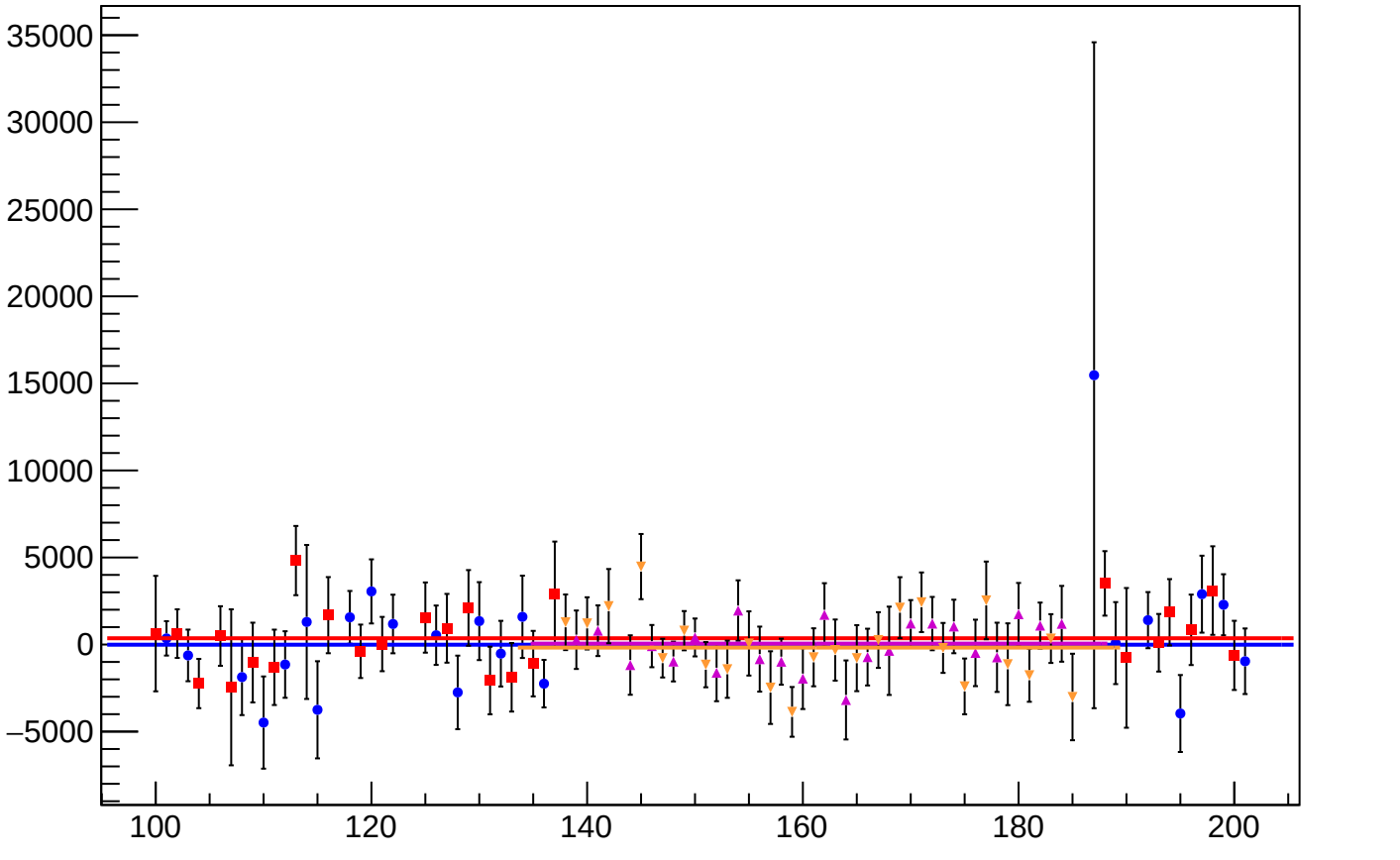
Right Out: 789.966+/-0.154 χ^2/NDF: 369839.5/25

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

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

All: 780.393+/-0.070 χ^2/NDF: 476551.7/95

\- sign 782.544+/-0.099 χ^2/NDF: 377811.2/48



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

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

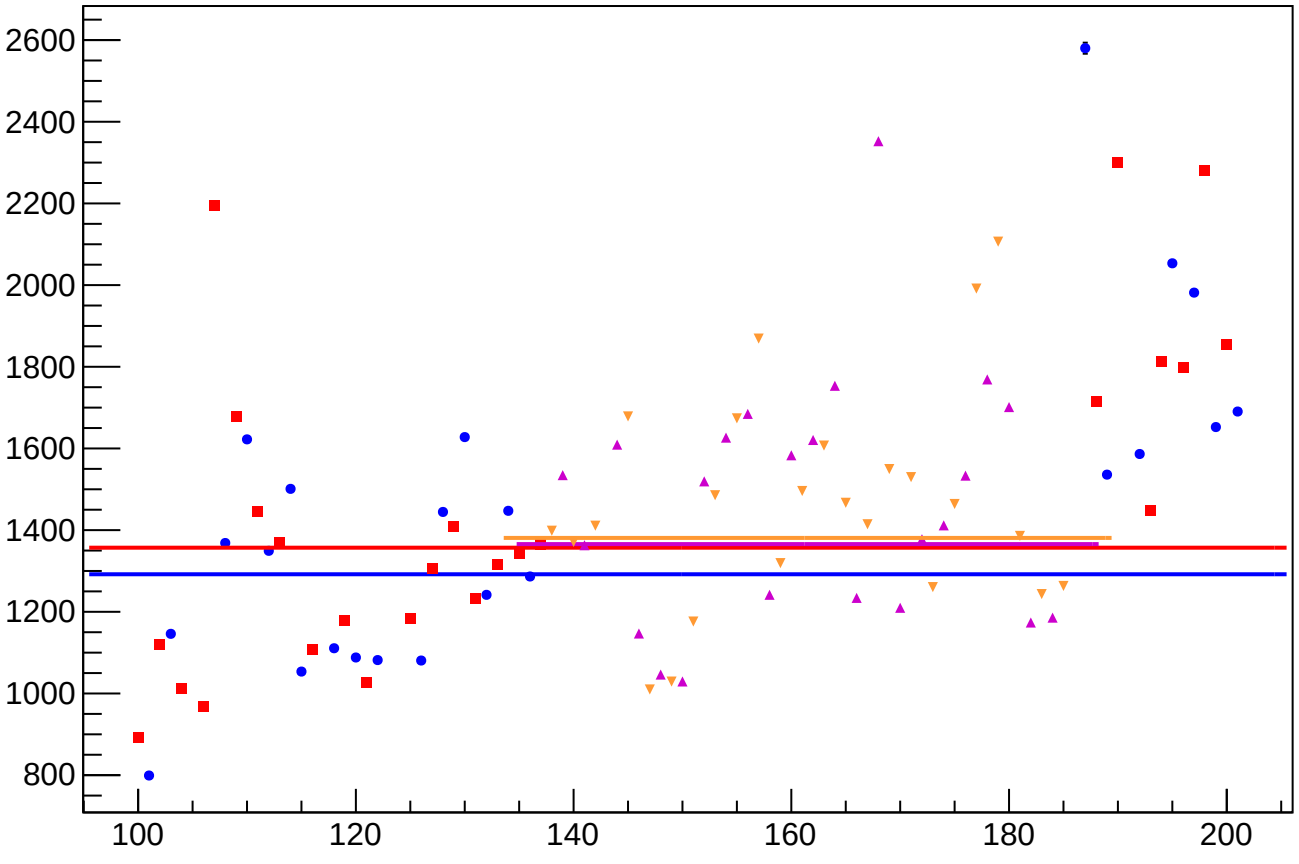
Right Out: 360.338+/-393.055 χ^2/NDF: 20.8/24

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

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

All: 35.639+/-177.076 χ^2/NDF: 88.6/94

\- sign 178.206+/-250.981 χ^2/NDF: 34.1/47



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: 1357.009+/-0.278 χ^2/NDF: 1389803.1/24

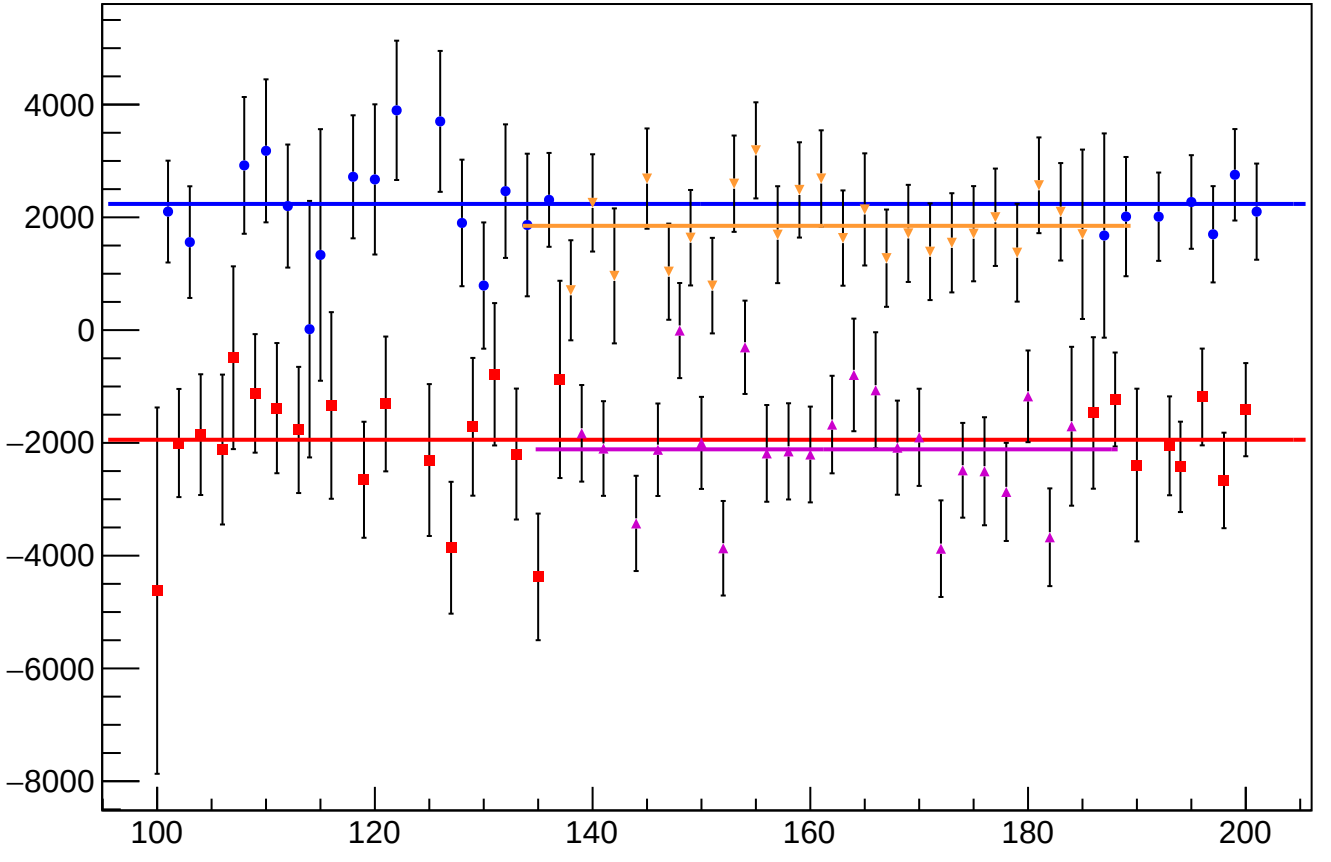
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

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

All: 1352.870+/-0.125 χ^2/NDF: 5378390.9/94

- sign 1362.222+/-0.177 χ^2/NDF: 2699259.6/47

eigen_cor_asym_us_avg_mean vs Slug



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

Right Out: -1944.485+/-215.551 χ^2/NDF: 15.3/25

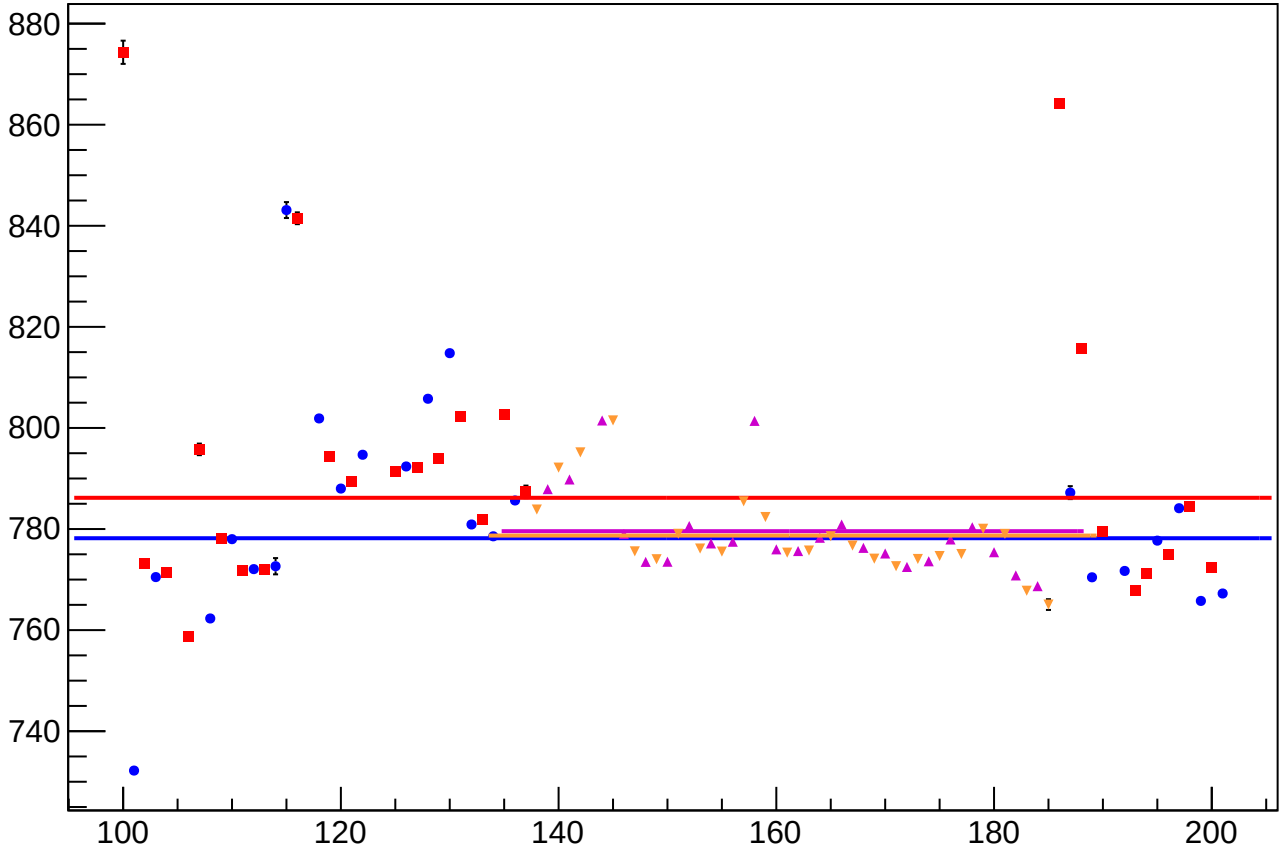
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -32.966+/-98.668 χ^2/NDF: 491.2/95

- sign -2043.693+/-139.073 χ^2/NDF: 46.7/48

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

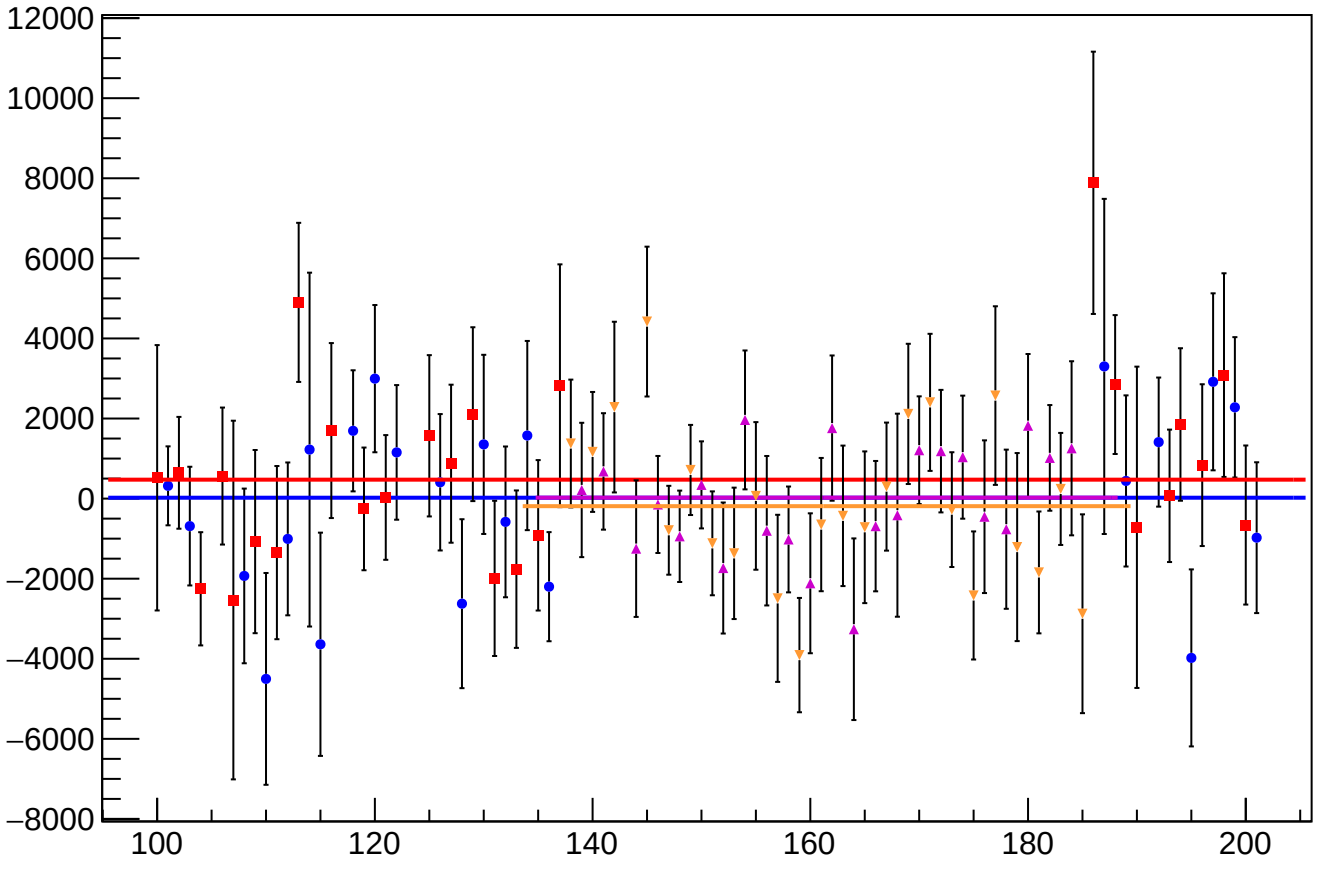
Right Out: 786.180+/-0.152 χ^2/NDF: 19024.0/25

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

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

All: 780.424+/-0.070 χ^2/NDF: 42233.7/95

- sign 782.324+/-0.098 χ^2/NDF: 24293.2/48



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

Right Out: 472.919+/-388.759 χ^2/NDF: 25.0/25

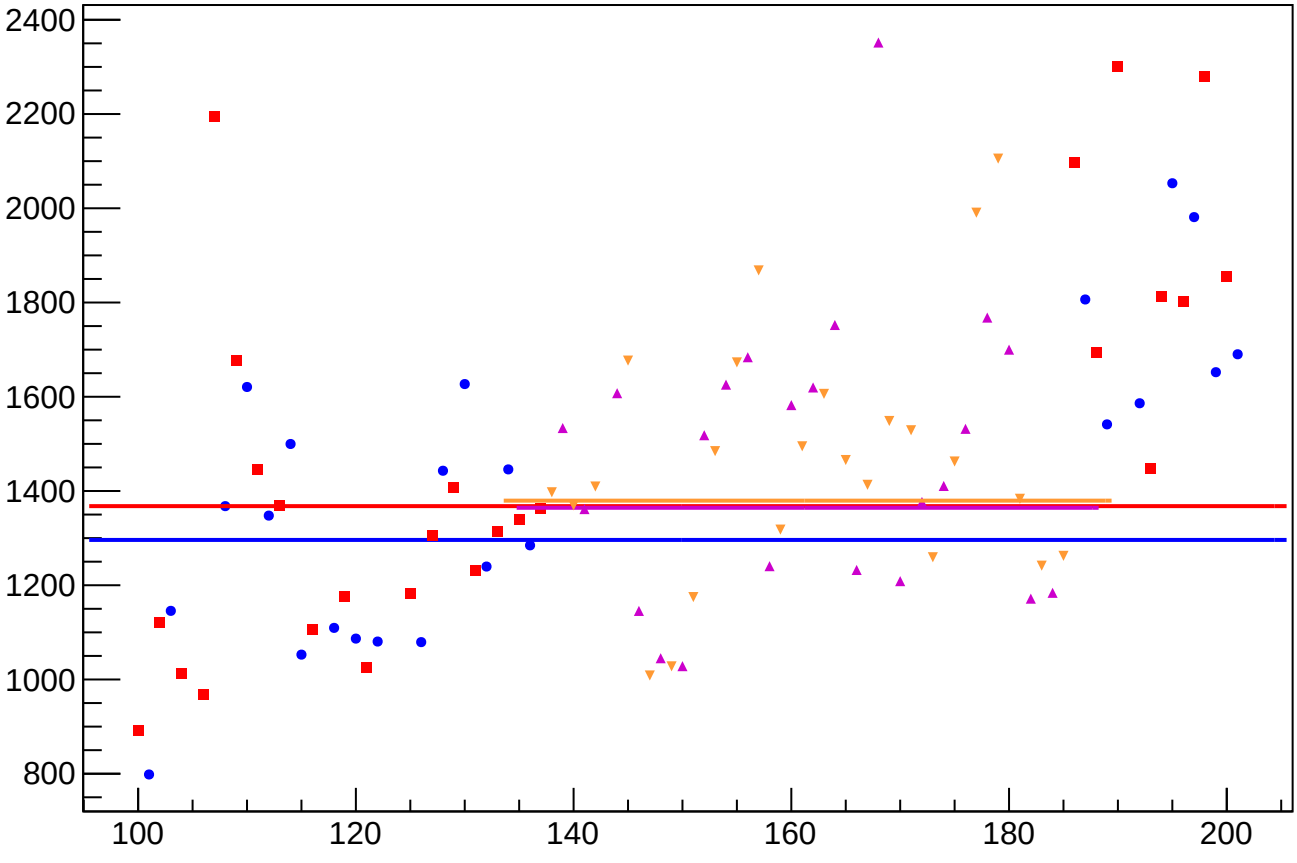
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: 54.211+/-176.294 χ^2/NDF: 93.7/95

- sign 209.069+/-249.710 χ^2/NDF: 39.2/48

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: 1367.897+/-0.275 χ^2/NDF: 1497167.2/25

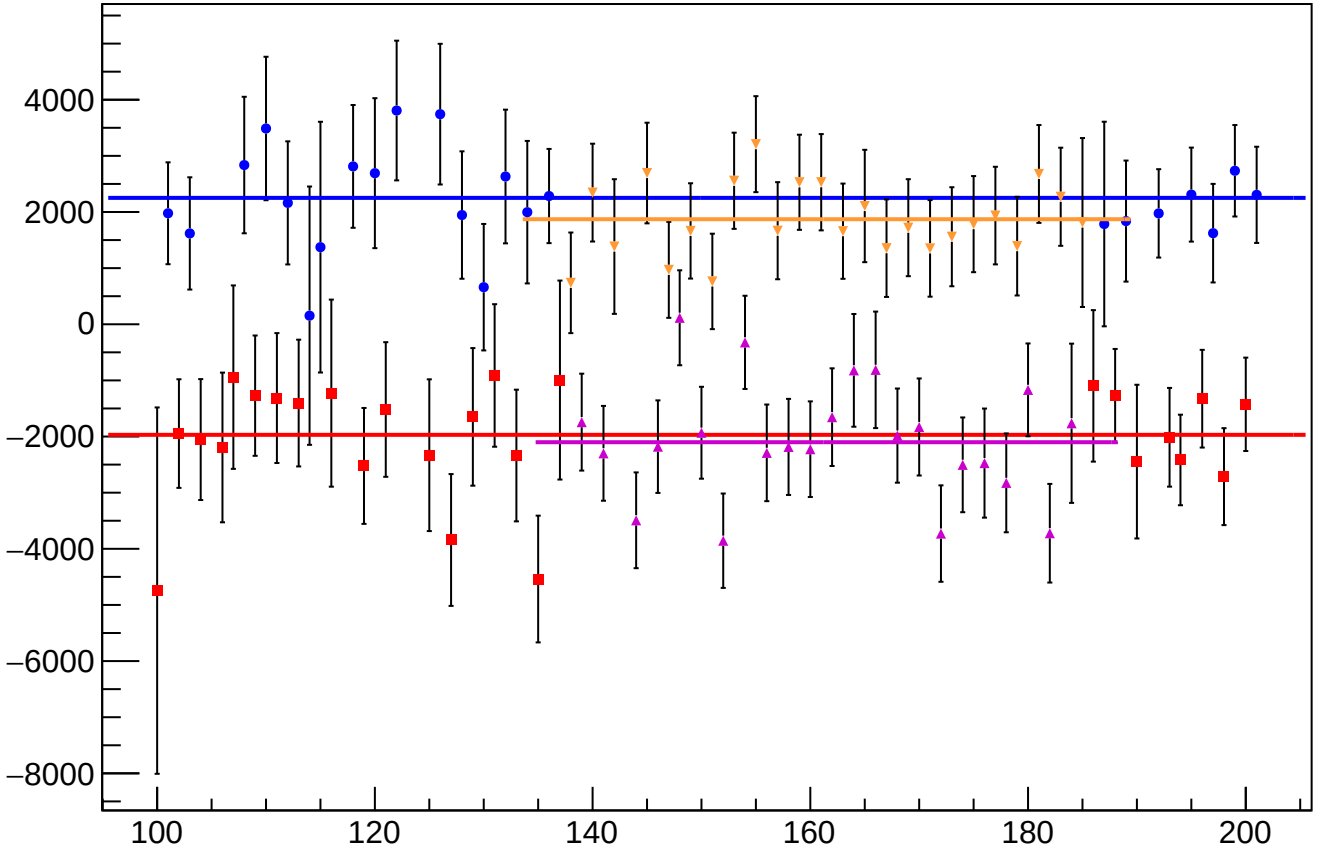
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

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

All: 1355.029+/-0.125 χ^2/NDF: 5516437.4/95

- sign 1365.850+/-0.177 χ^2/NDF: 2809561.2/48

dit_asym_us_avg_mean vs Slug



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: -1969.507+/-217.206 χ^2/NDF: 15.0/25

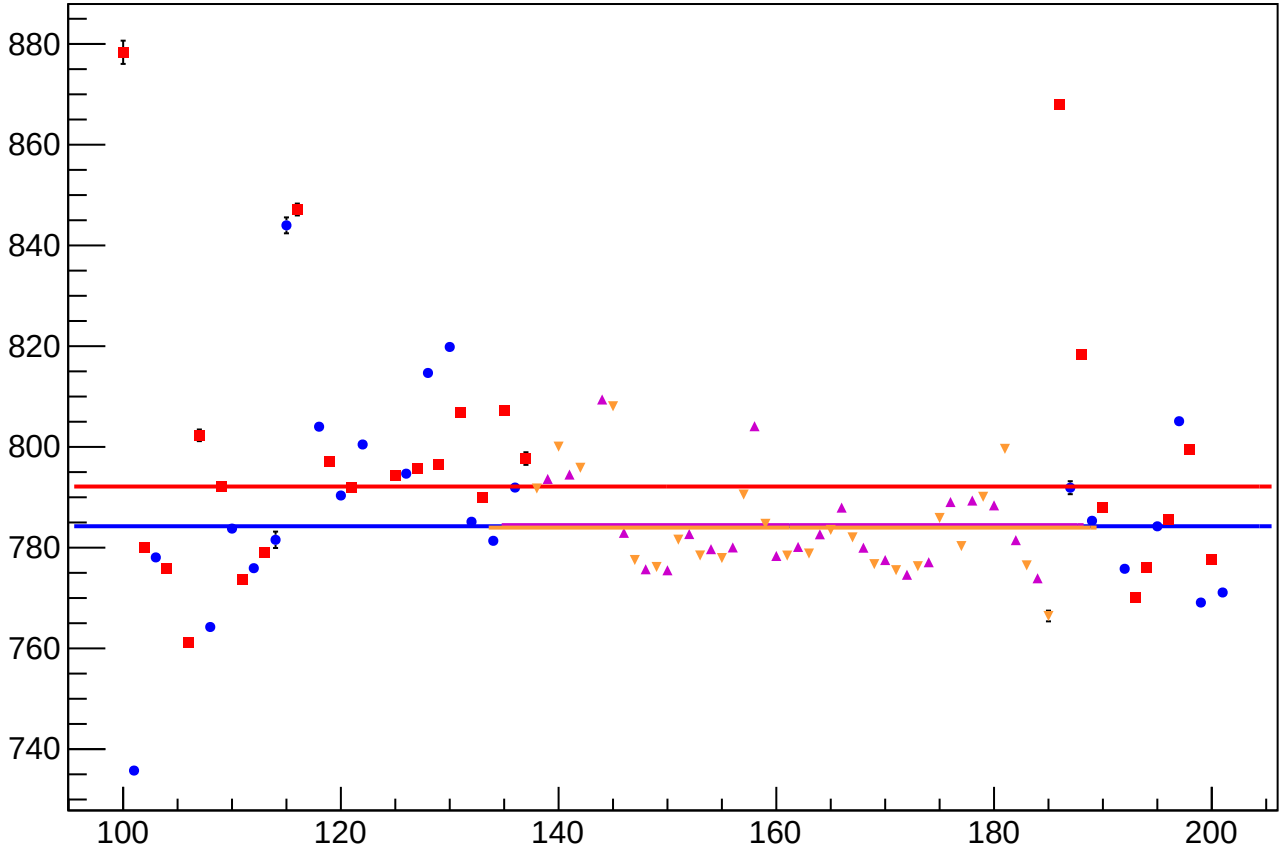
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

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

All: -25.954+/-99.368 χ^2/NDF: 490.0/95

- sign -2046.376+/-140.030 χ^2/NDF: 47.0/48

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: 792.137+/-0.154 χ^2/NDF: 18244.8/25

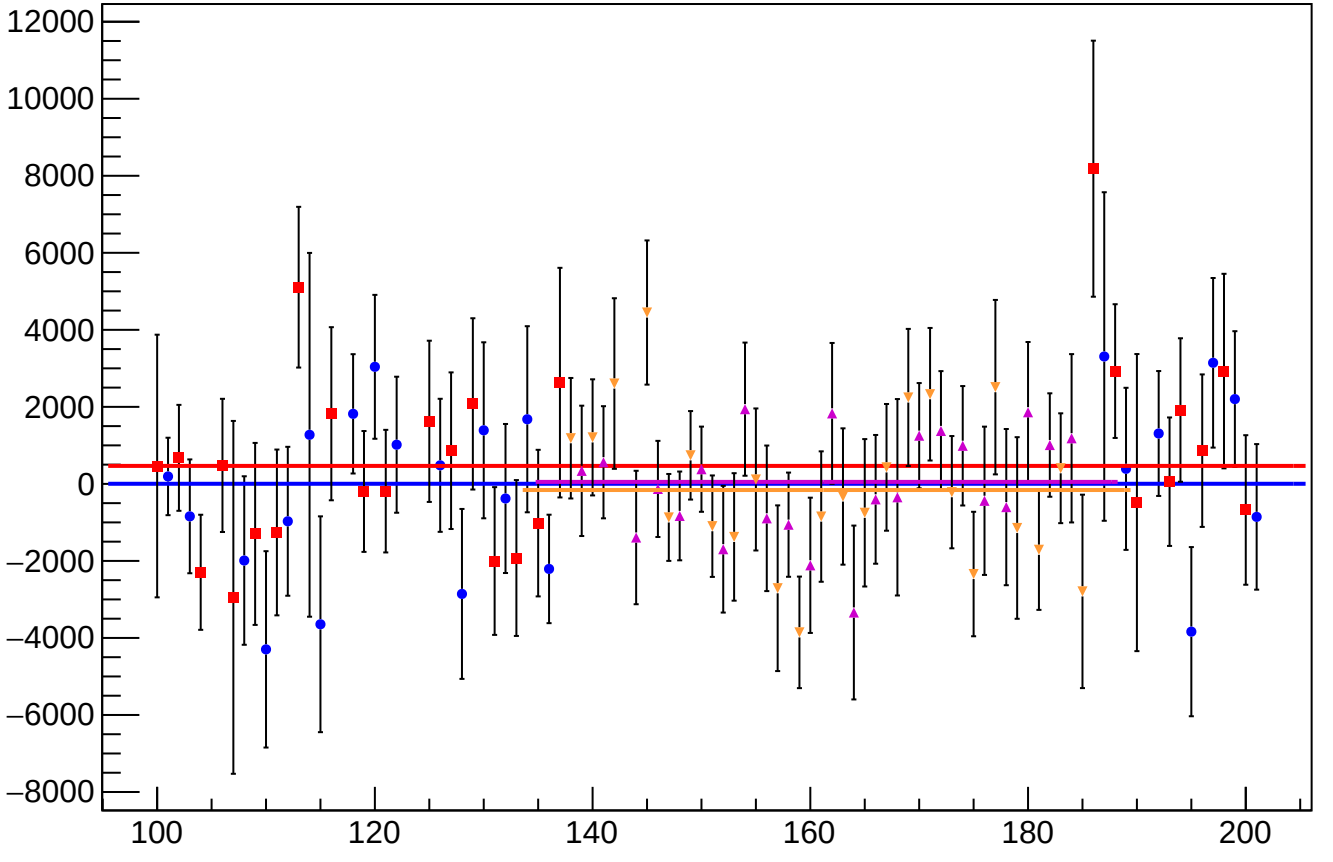
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

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

All: 785.886+/-0.070 χ^2/NDF: 45431.2/95

- sign 787.658+/-0.099 χ^2/NDF: 24627.8/48

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: 466.965+/-393.458 χ^2/NDF: 25.4/25

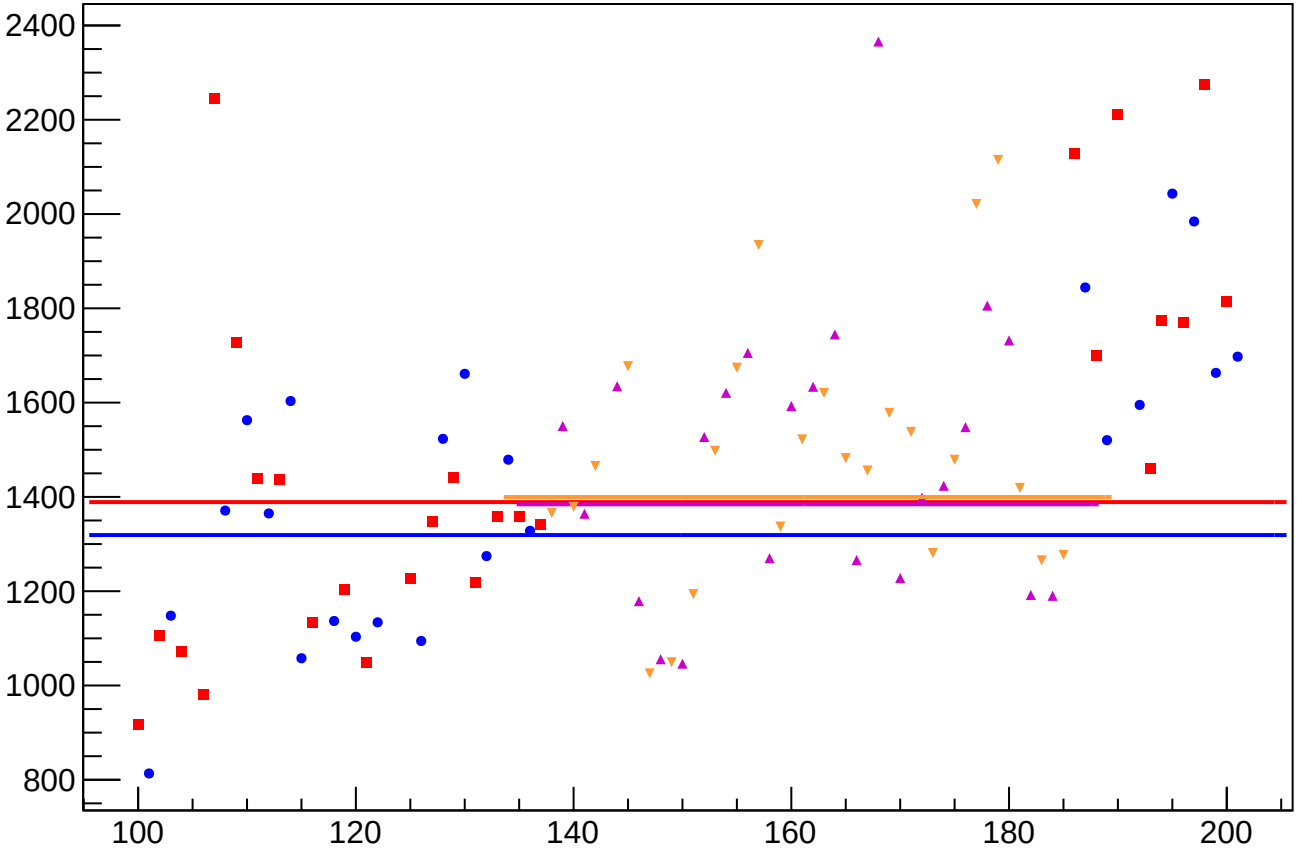
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

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

All: 66.072+/-178.692 χ^2/NDF: 93.1/95

- sign 223.473+/-252.935 χ^2/NDF: 39.4/48

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: 1388.993+/-0.278 χ^2/NDF: 1372400.7/25

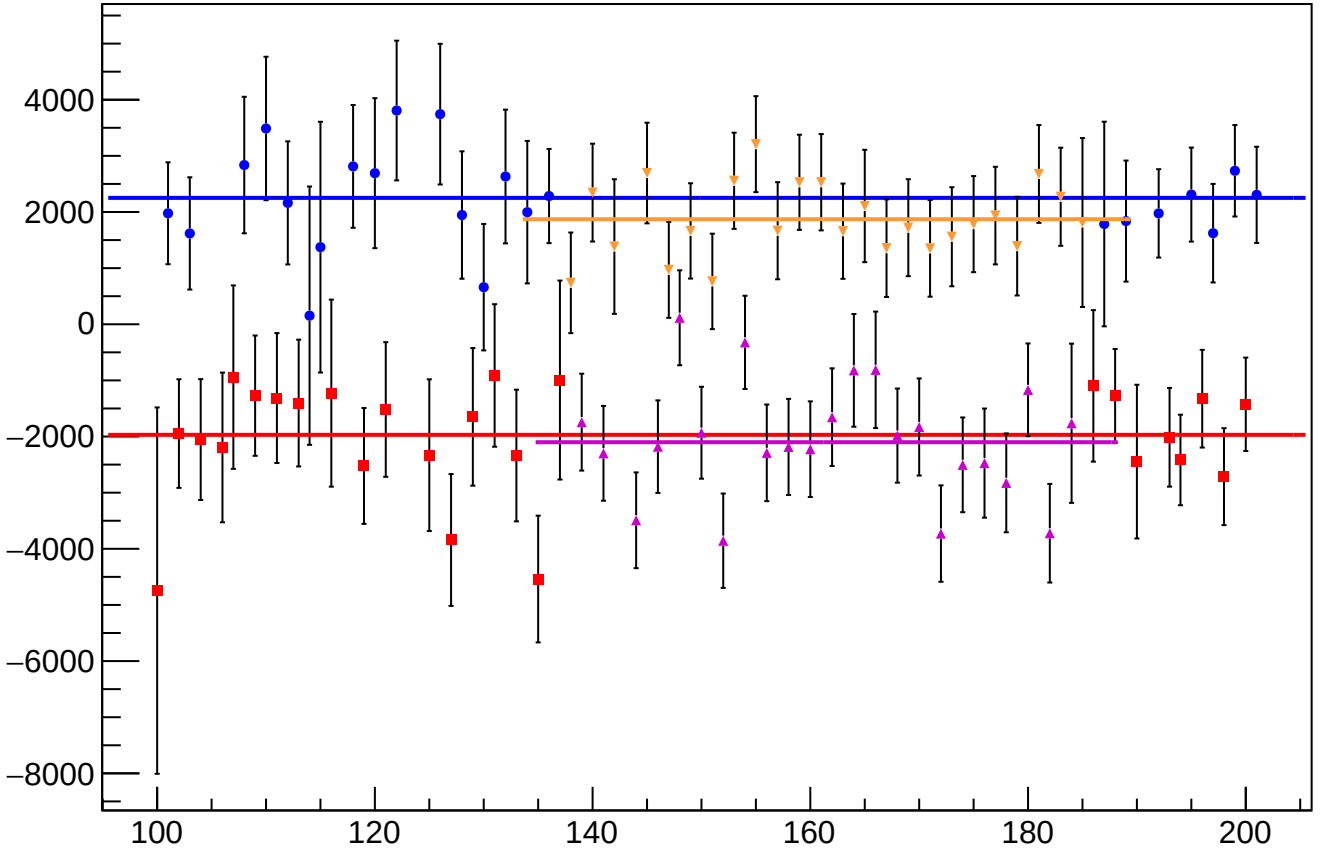
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

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

All: 1375.942+/-0.126 χ^2/NDF: 5257977.0/95

- sign 1386.259+/-0.179 χ^2/NDF: 2642501.9/48

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: -1969.506+/-217.206 χ^2/NDF: 15.0/25

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

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

All: -25.955+/-99.368 χ^2/NDF: 490.0/95

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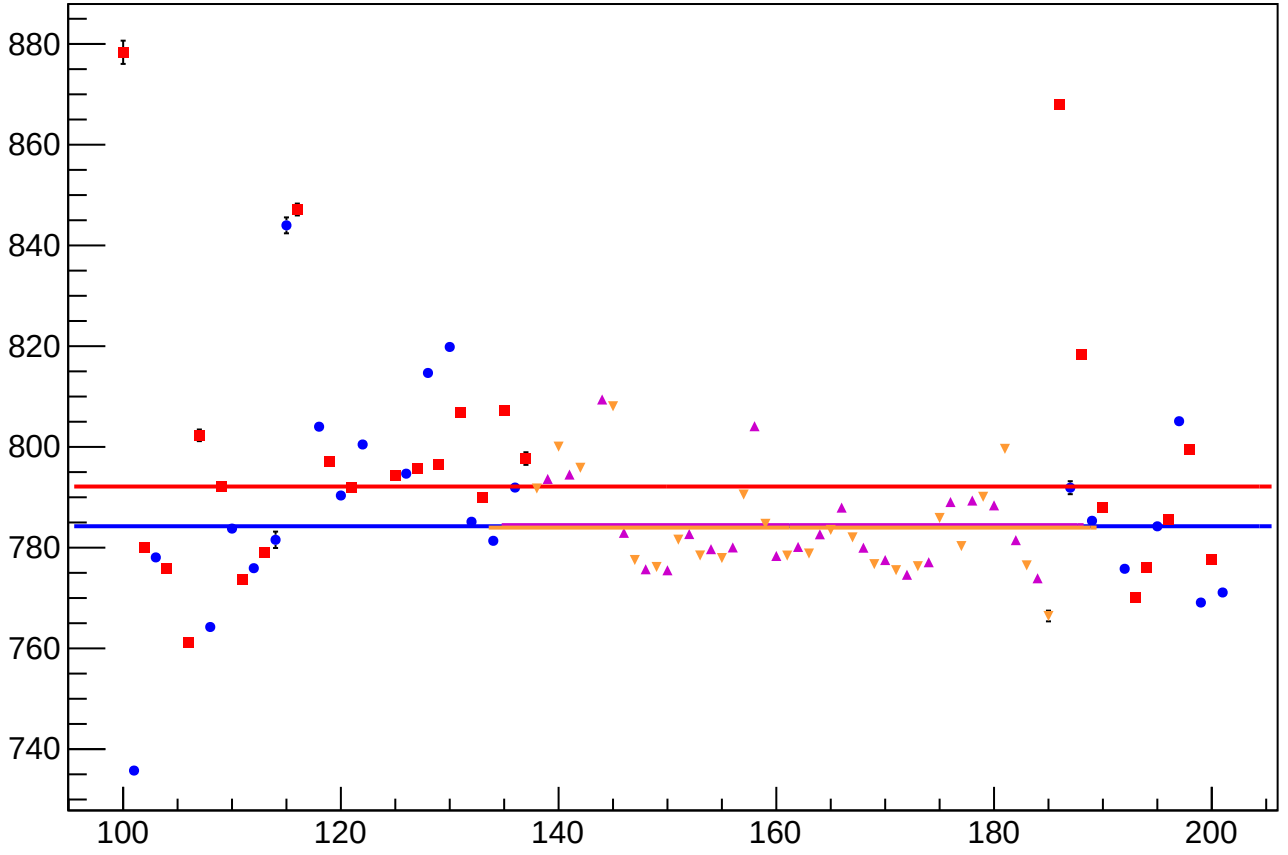
eigen_dit_asym_us_avg_rms vs Slug



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: 792.137+/-0.154 χ^2/NDF: 18244.9/25

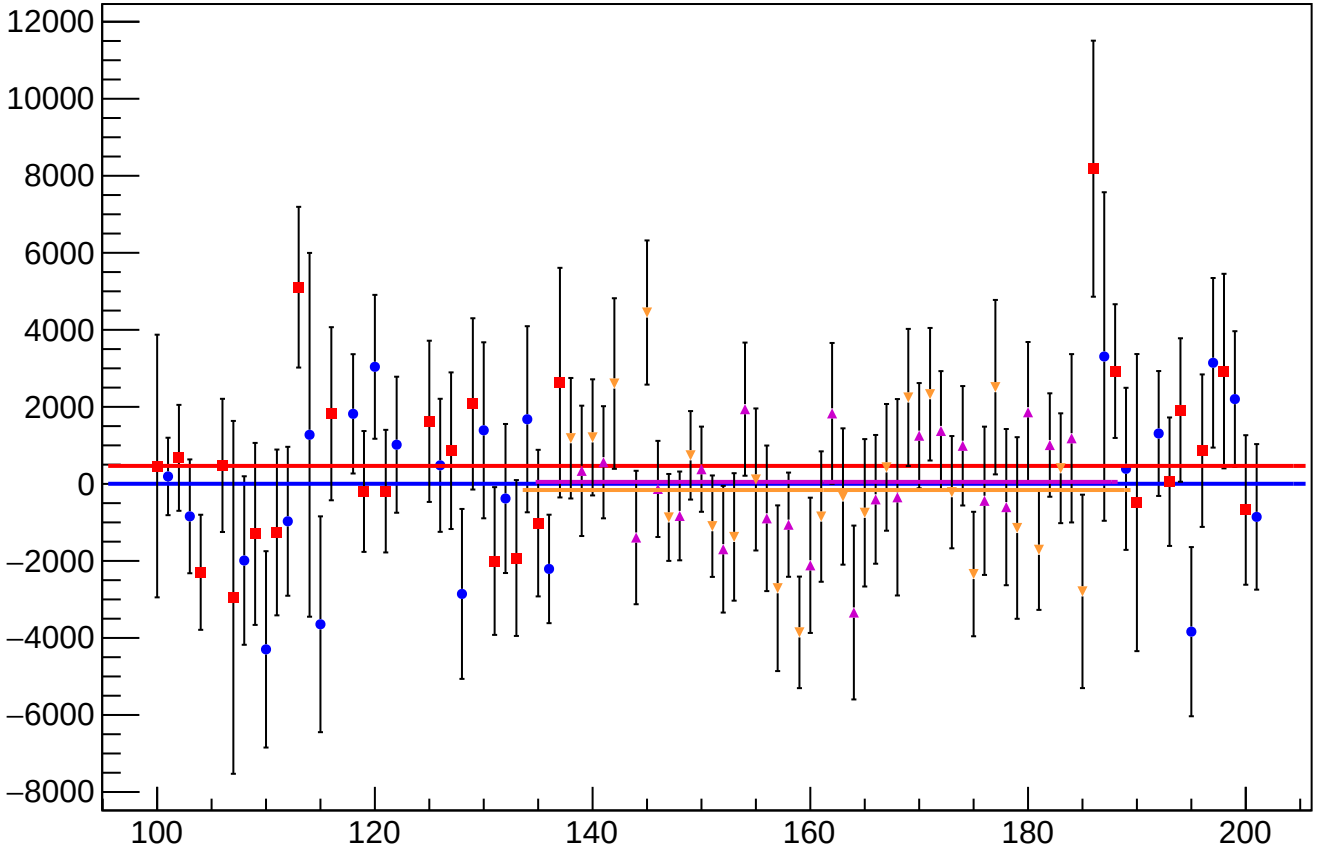
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

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

All: 785.886+/-0.070 χ^2/NDF: 45431.1/95

- sign 787.658+/-0.099 χ^2/NDF: 24627.8/48

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: 466.963+/-393.457 χ^2/NDF: 25.4/25

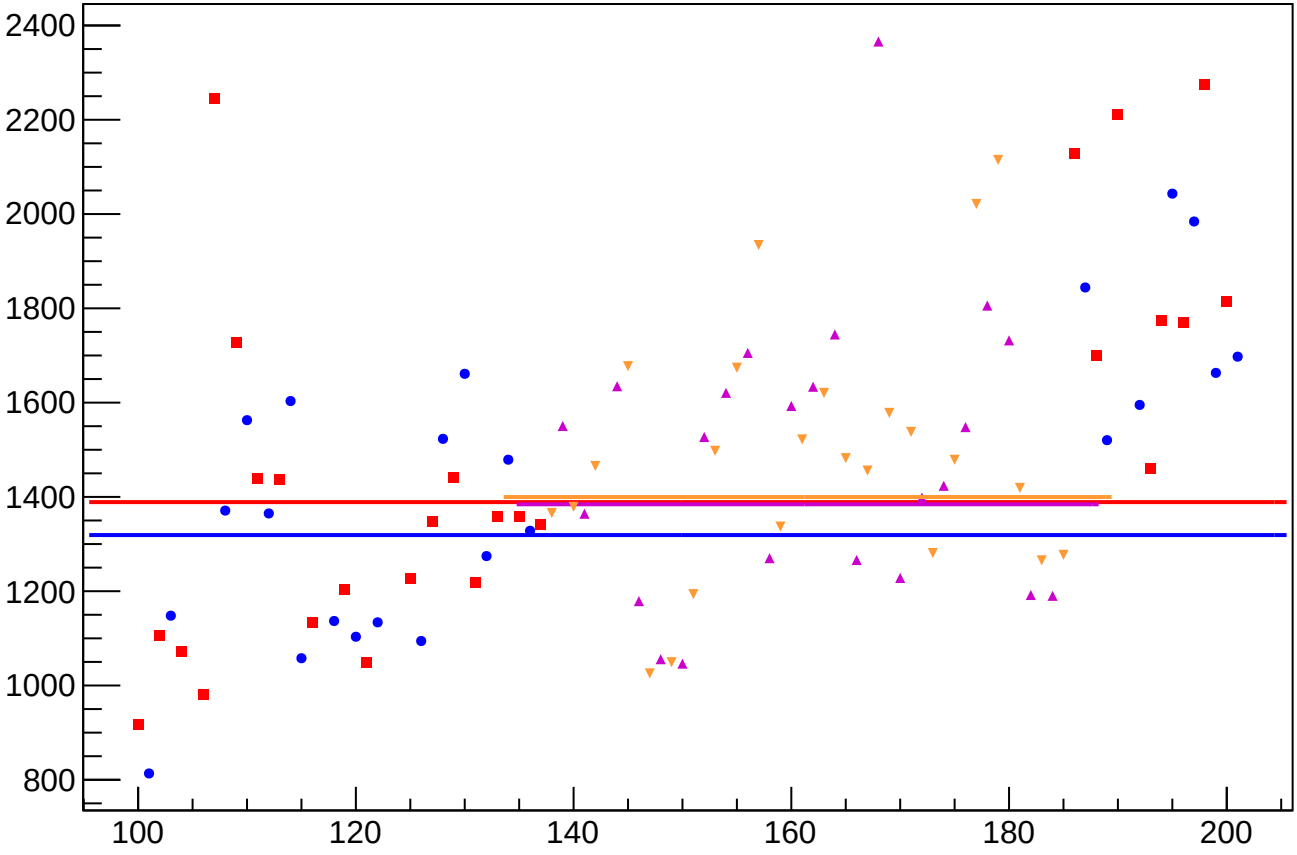
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

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

All: 66.071+/-178.692 χ^2/NDF: 93.1/95

- sign 223.473+/-252.935 χ^2/NDF: 39.4/48

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: 1388.990+/-0.278 χ^2/NDF: 1372415.0/25

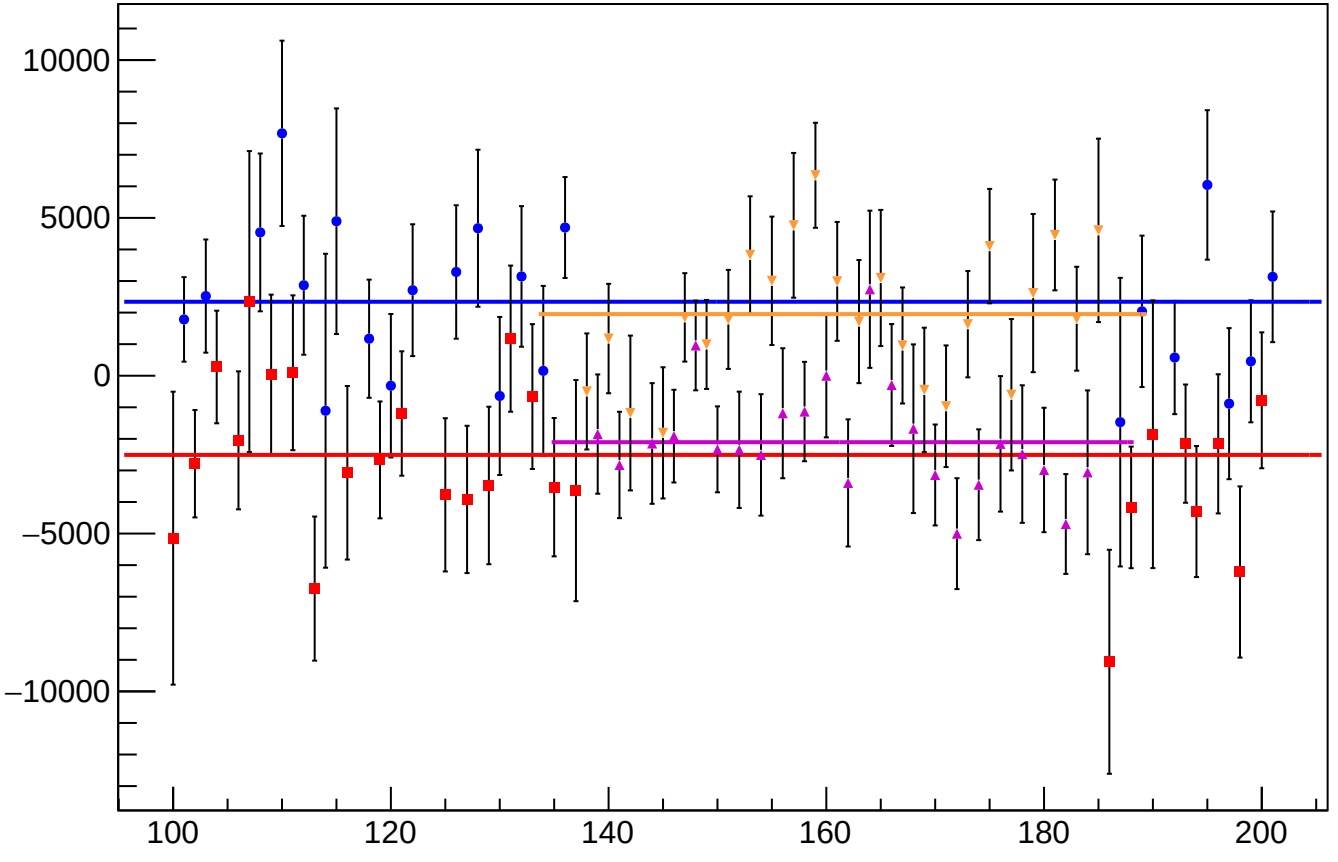
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

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

All: 1375.942+/-0.126 χ^2/NDF: 5258010.6/95

- sign 1386.259+/-0.179 χ^2/NDF: 2642516.4/48

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: -2508.659+/-455.692 χ^2/NDF: 21.7/25

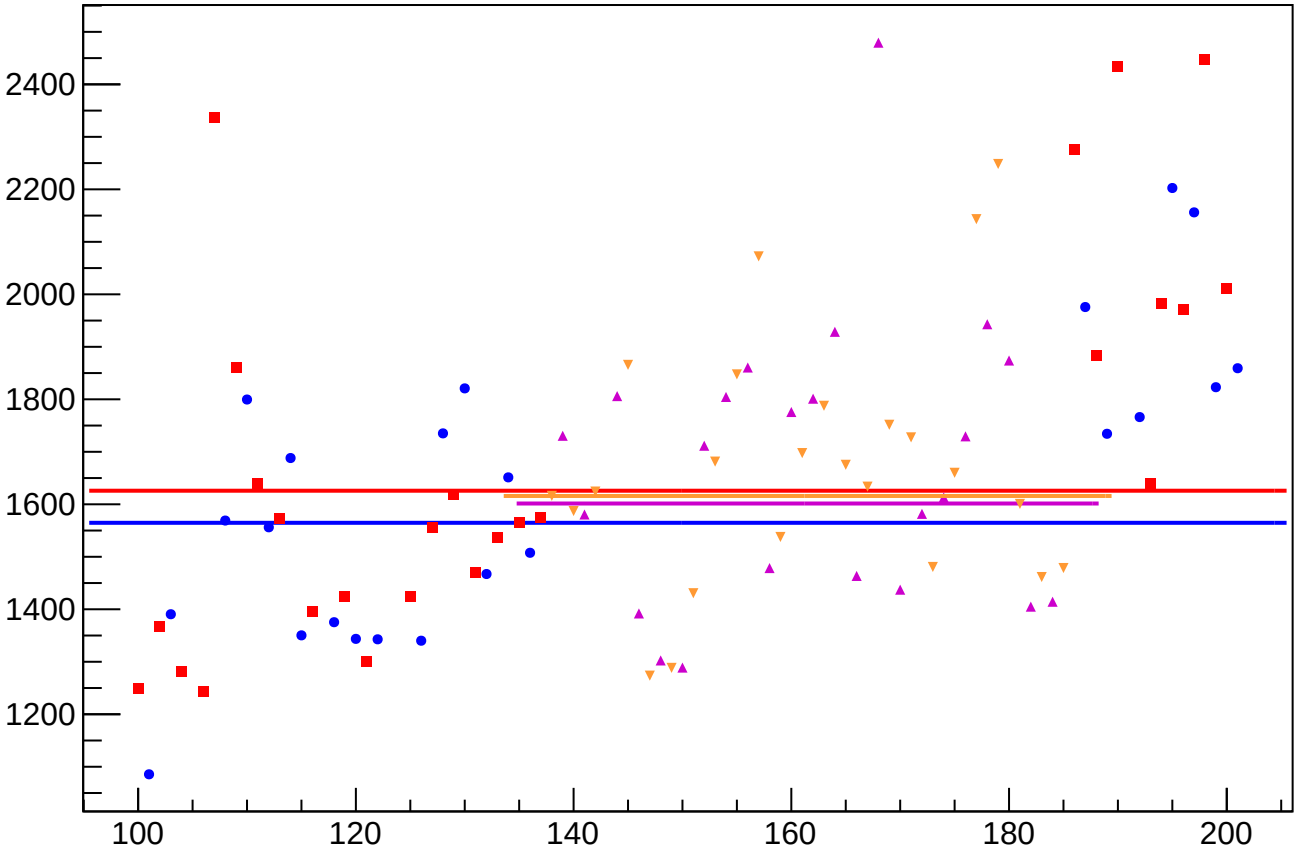
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

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

All: -80.252+/-206.144 χ^2/NDF: 201.2/95

- sign -2270.323+/-291.413 χ^2/NDF: 40.8/48

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

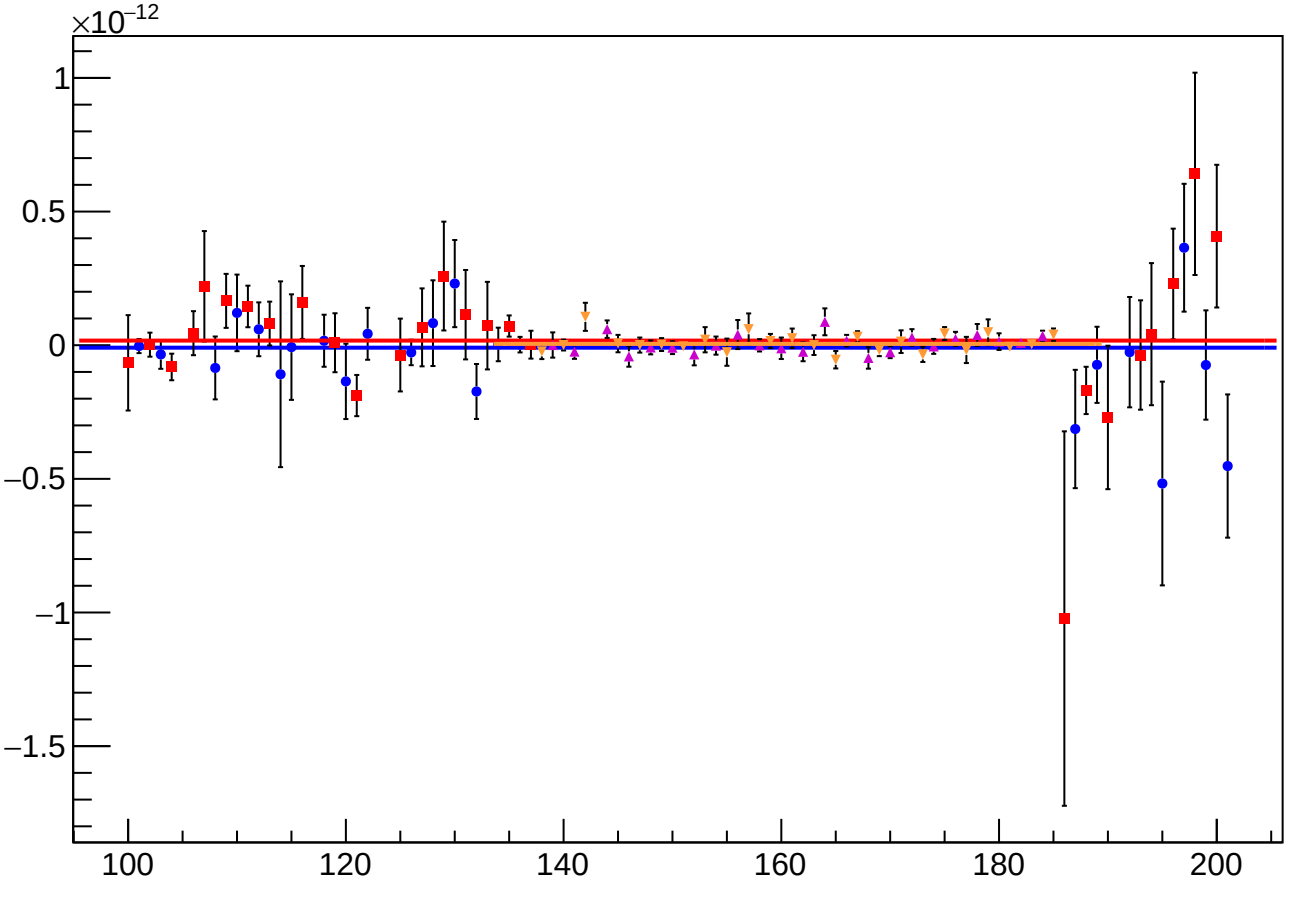
Right Out: 1625.869+/-0.322 χ^2/NDF: 909835.5/25

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

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

All: 1603.141+/-0.146 χ^2/NDF: 3233750.5/95

- sign 1611.464+/-0.206 χ^2/NDF: 1706939.7/48



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

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

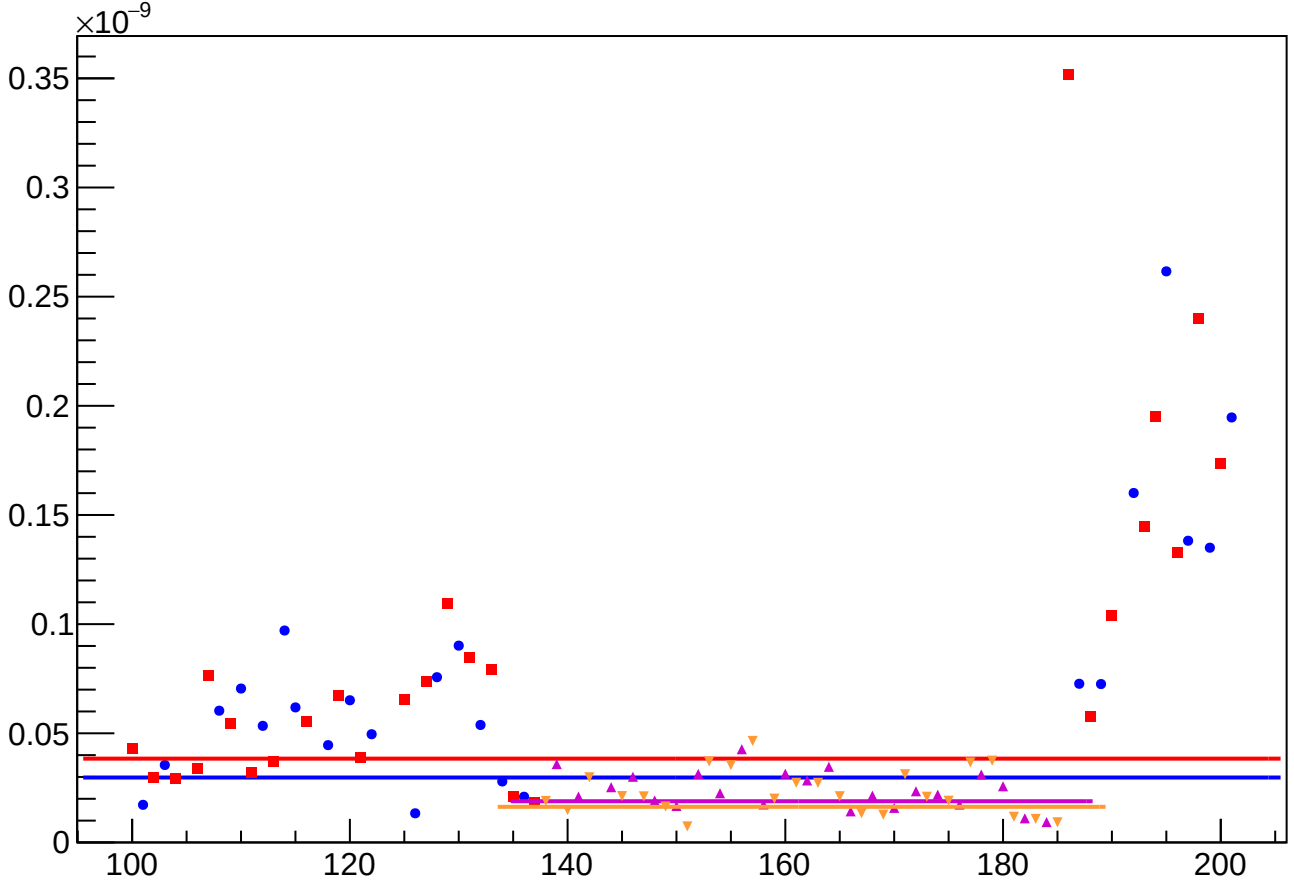
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/25

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: 96.4/95

- sign 0.000+/-0.000 χ^2/NDF: 56.7/48



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: 5195174.7/25

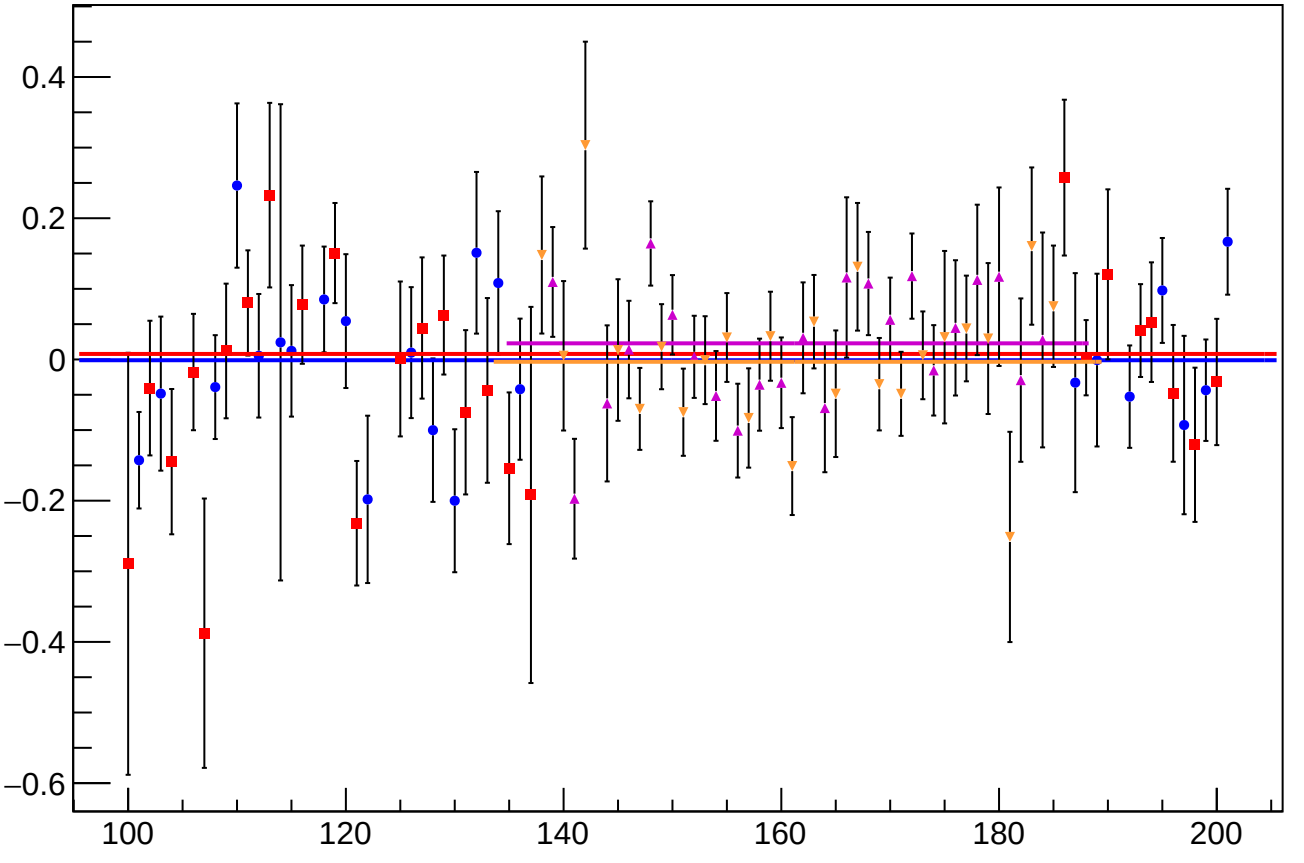
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

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

All: 0.000+/-0.000 χ^2/NDF: 22424007.4/95

- sign 0.000+/-0.000 χ^2/NDF: 10680703.5/48

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: 0.008+/-0.018 χ^2/NDF: 36.4/25

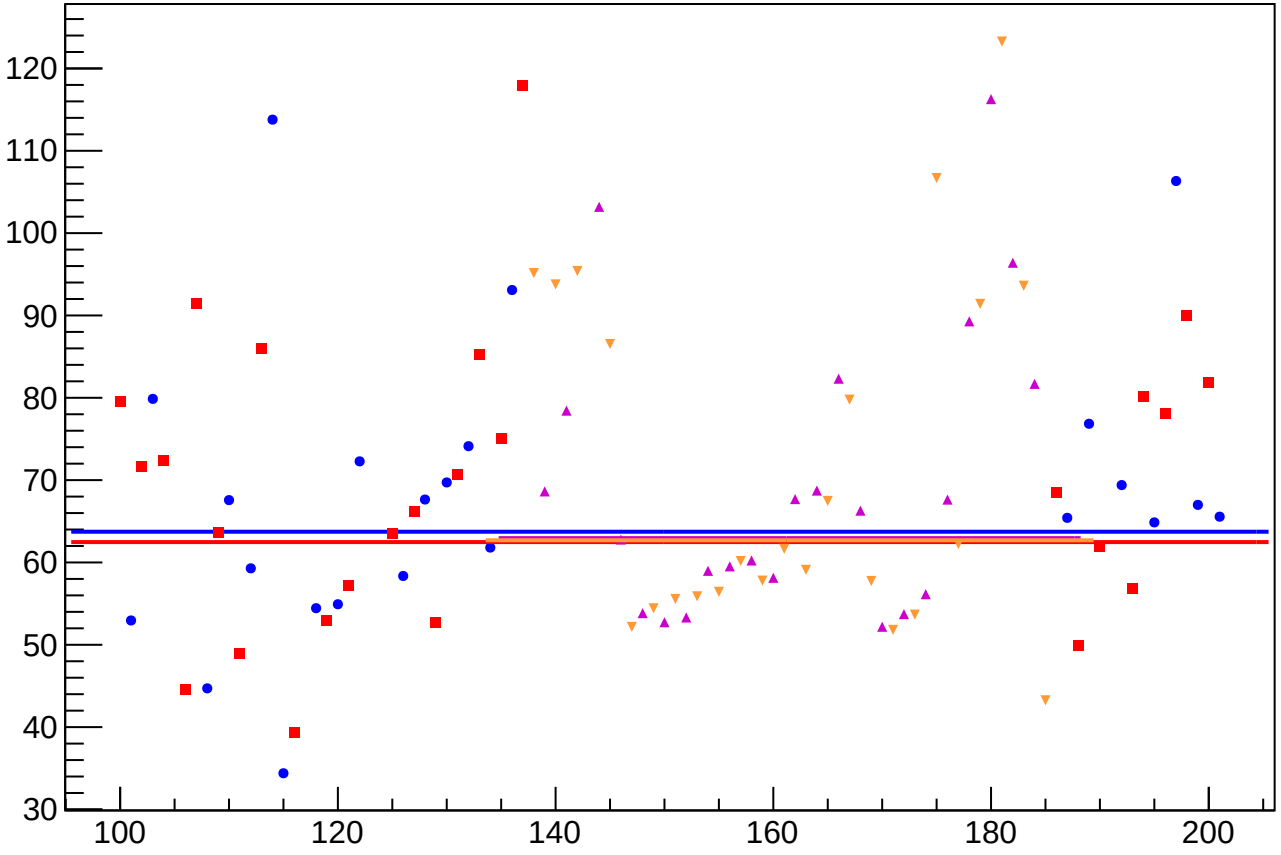
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

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

All: 0.007+/-0.008 χ^2/NDF: 122.8/95

- sign 0.017+/-0.012 χ^2/NDF: 65.8/48

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

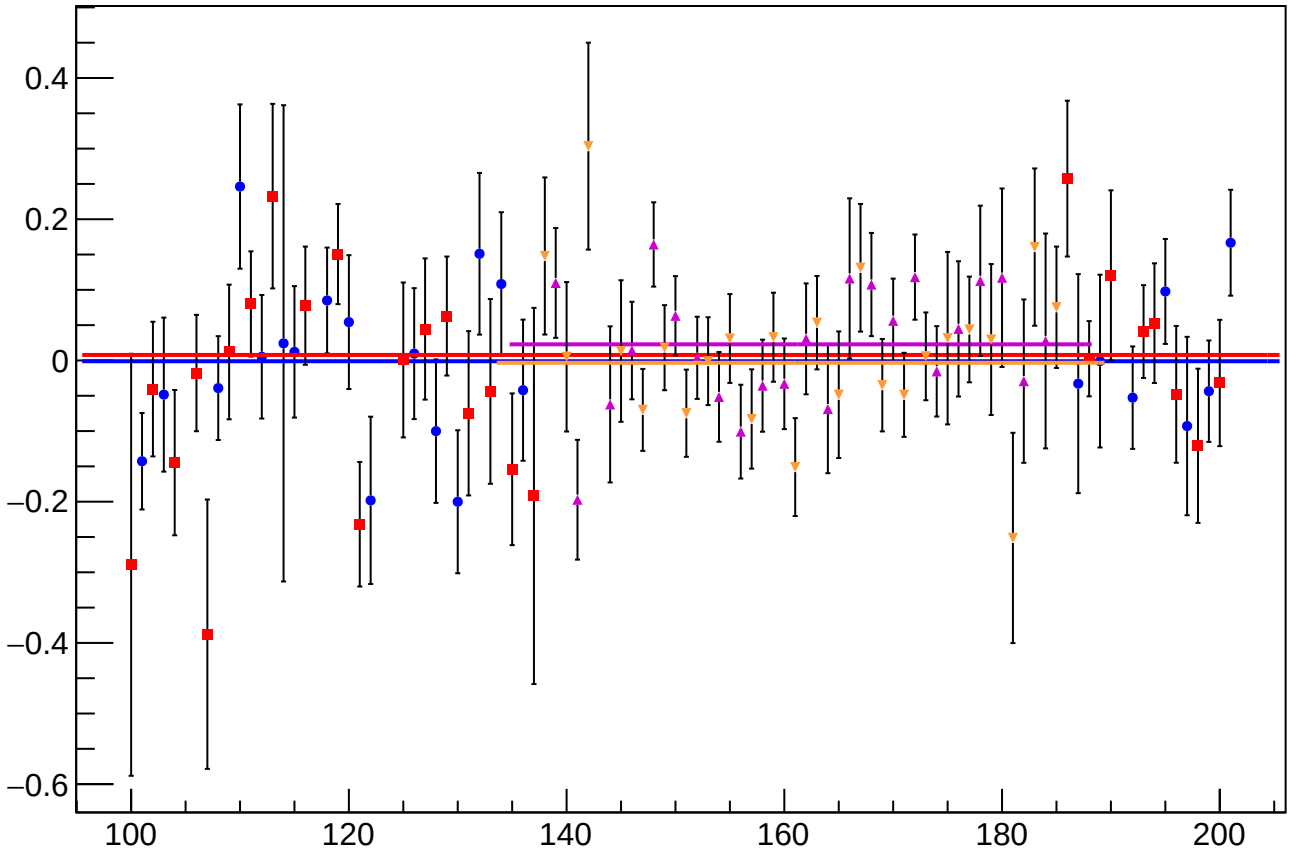
Right Out: 62.474+/-0.013 χ^2/NDF: 1218311.8/25

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

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

All: 62.924+/-0.006 χ^2/NDF: 5604097.5/95

- sign 62.756+/-0.008 χ^2/NDF: 2649541.2/48



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

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

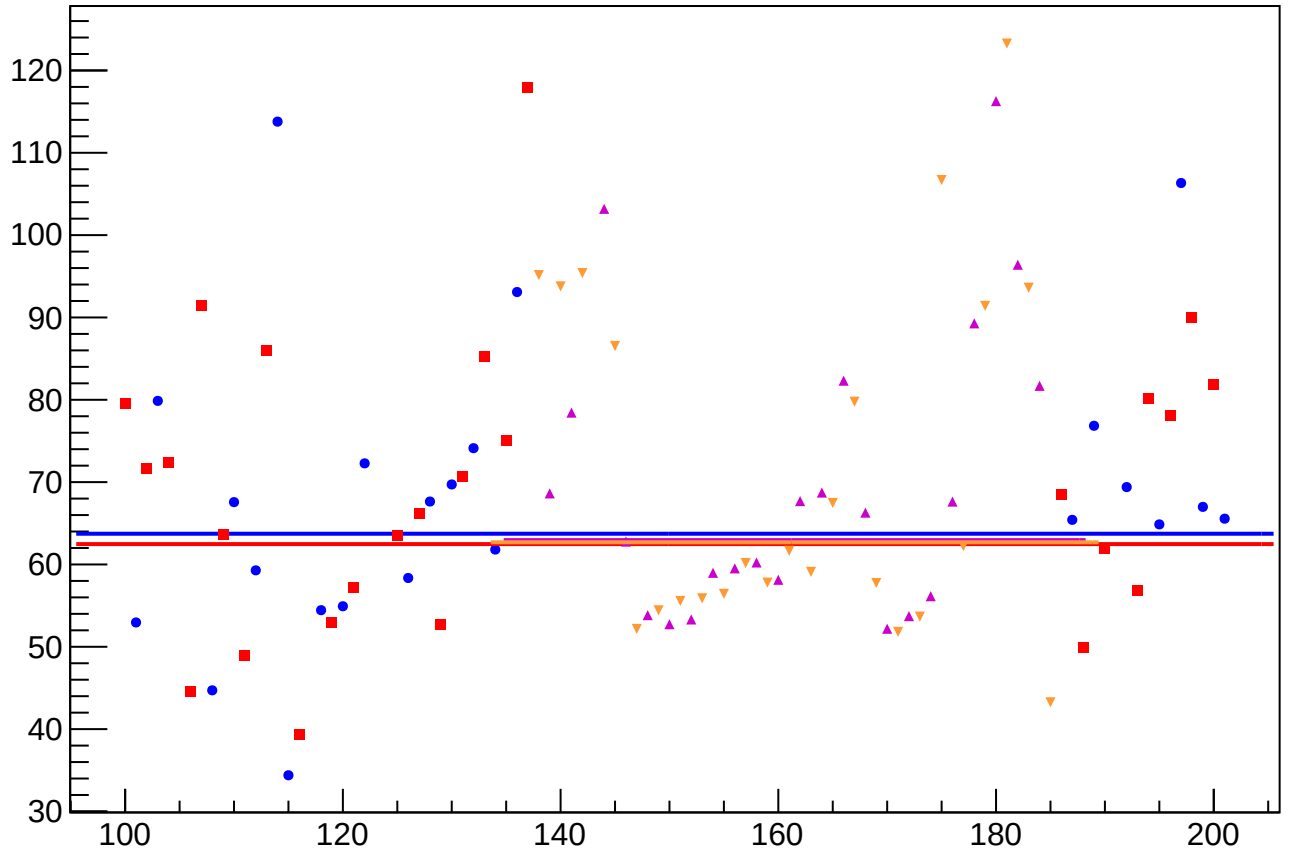
Right Out: 0.008+/-0.018 χ^2/NDF: 36.4/25

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

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

All: 0.007+/-0.008 χ^2/NDF: 122.8/95

- sign 0.017+/-0.012 χ^2/NDF: 65.8/48



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: 62.474+/-0.013 χ^2/NDF: 1218311.8/25

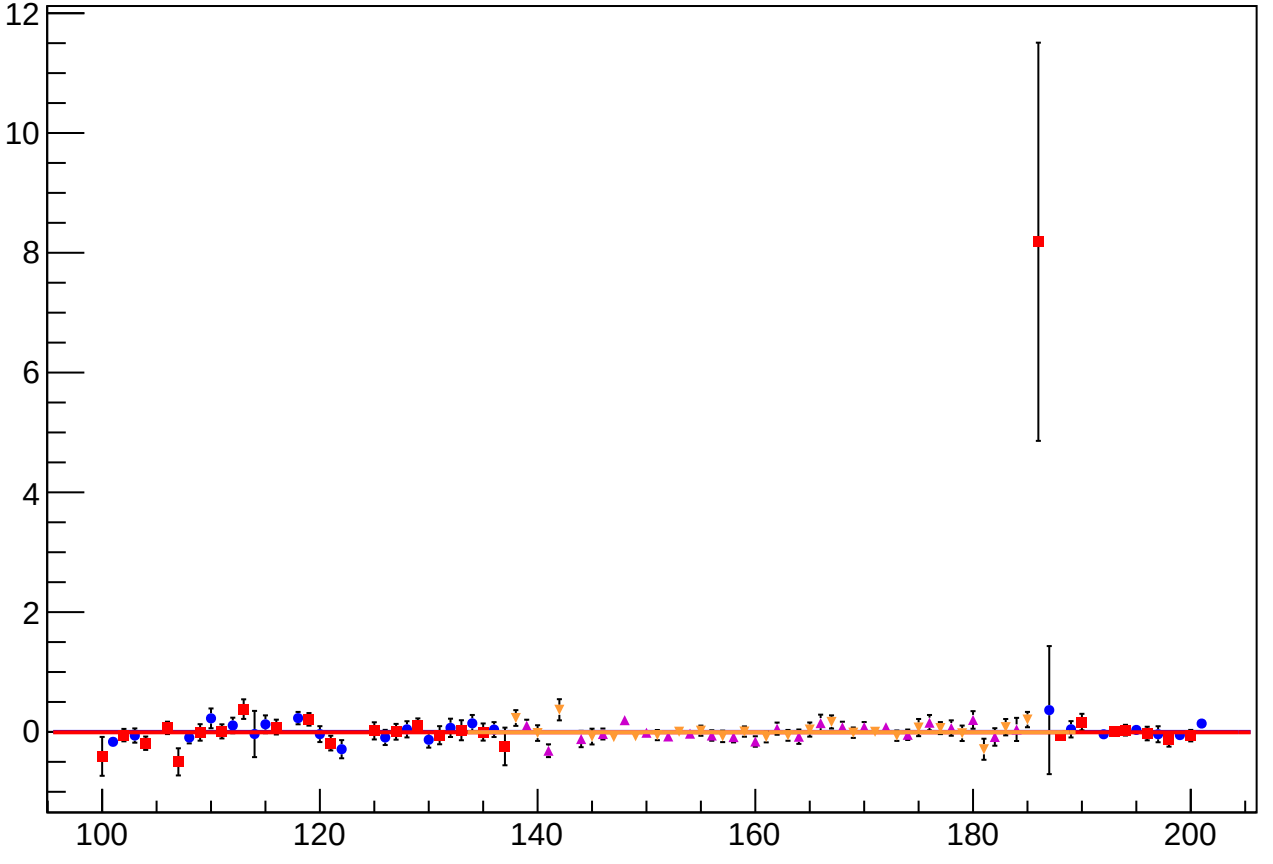
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

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

All: 62.924+/-0.006 χ^2/NDF: 5604097.5/95

- sign 62.756+/-0.008 χ^2/NDF: 2649541.2/48

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: -0.007+/-0.024 χ^2/NDF: 33.6/25

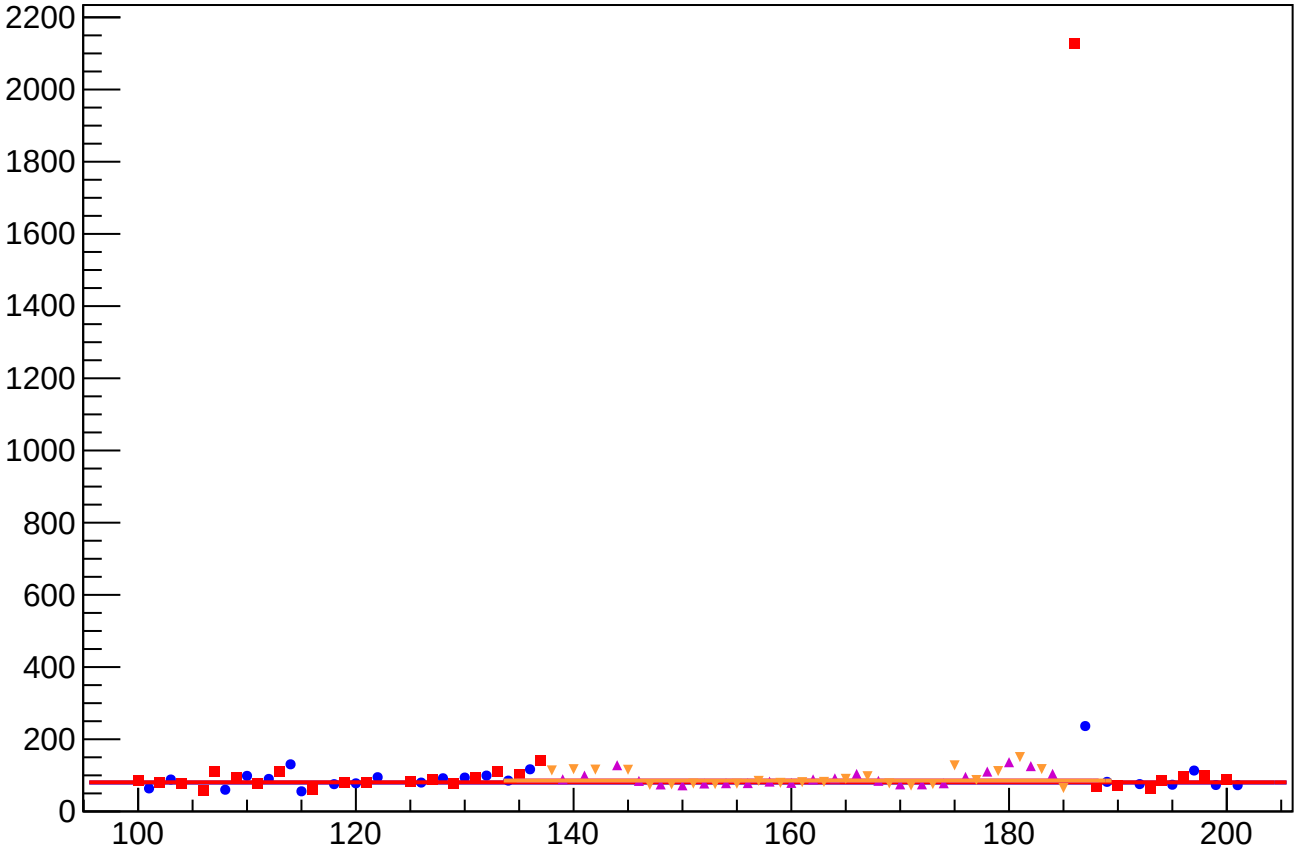
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

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

All: -0.003+/-0.011 χ^2/NDF: 109.9/95

- sign -0.004+/-0.016 χ^2/NDF: 64.2/48

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

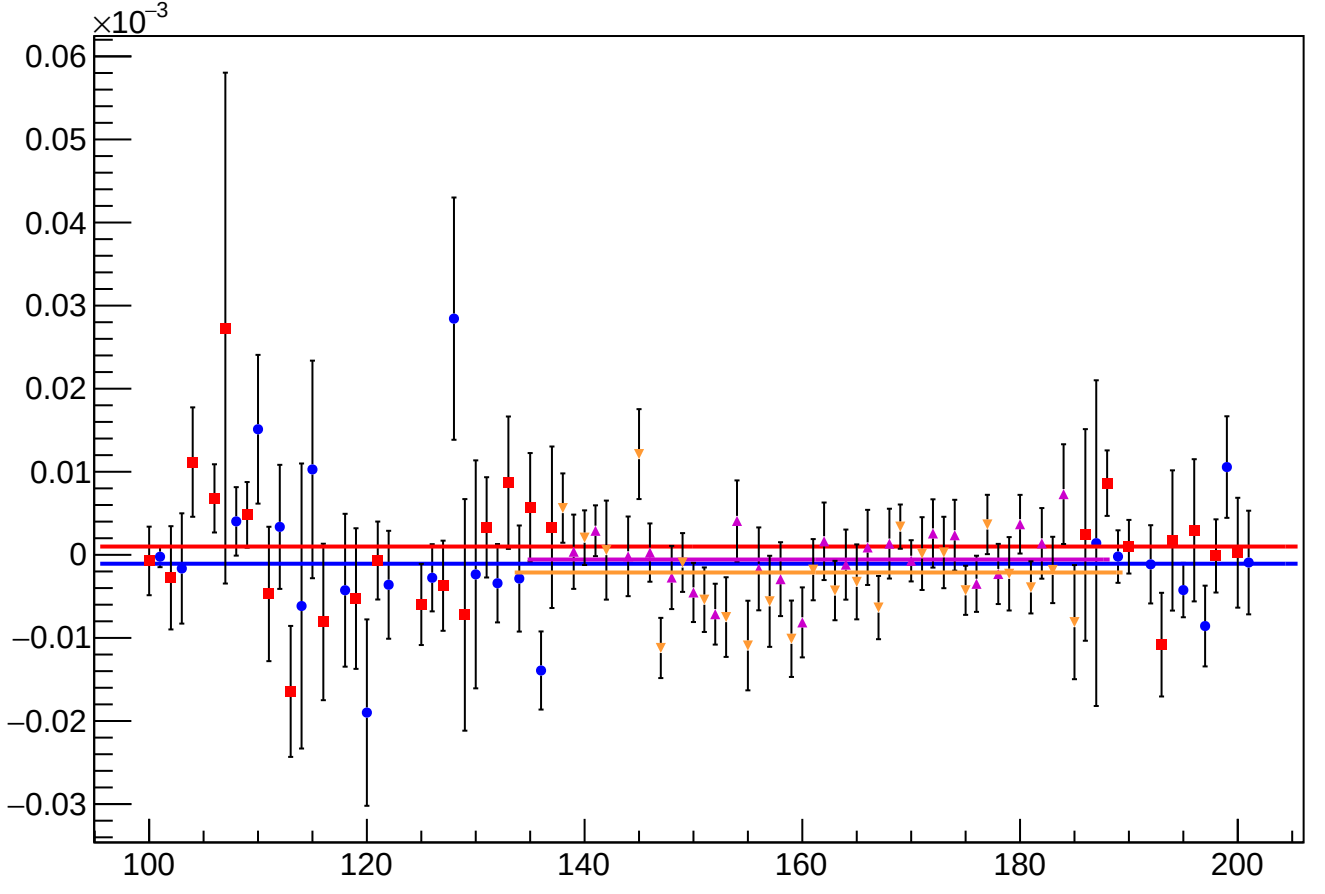
Right Out: 80.739+/-0.017 χ^2/NDF: 1525017.1/25

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

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

All: 83.405+/-0.008 χ^2/NDF: 4766758.0/95

- sign 83.533+/-0.011 χ^2/NDF: 2570460.6/48



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: 25.9/25

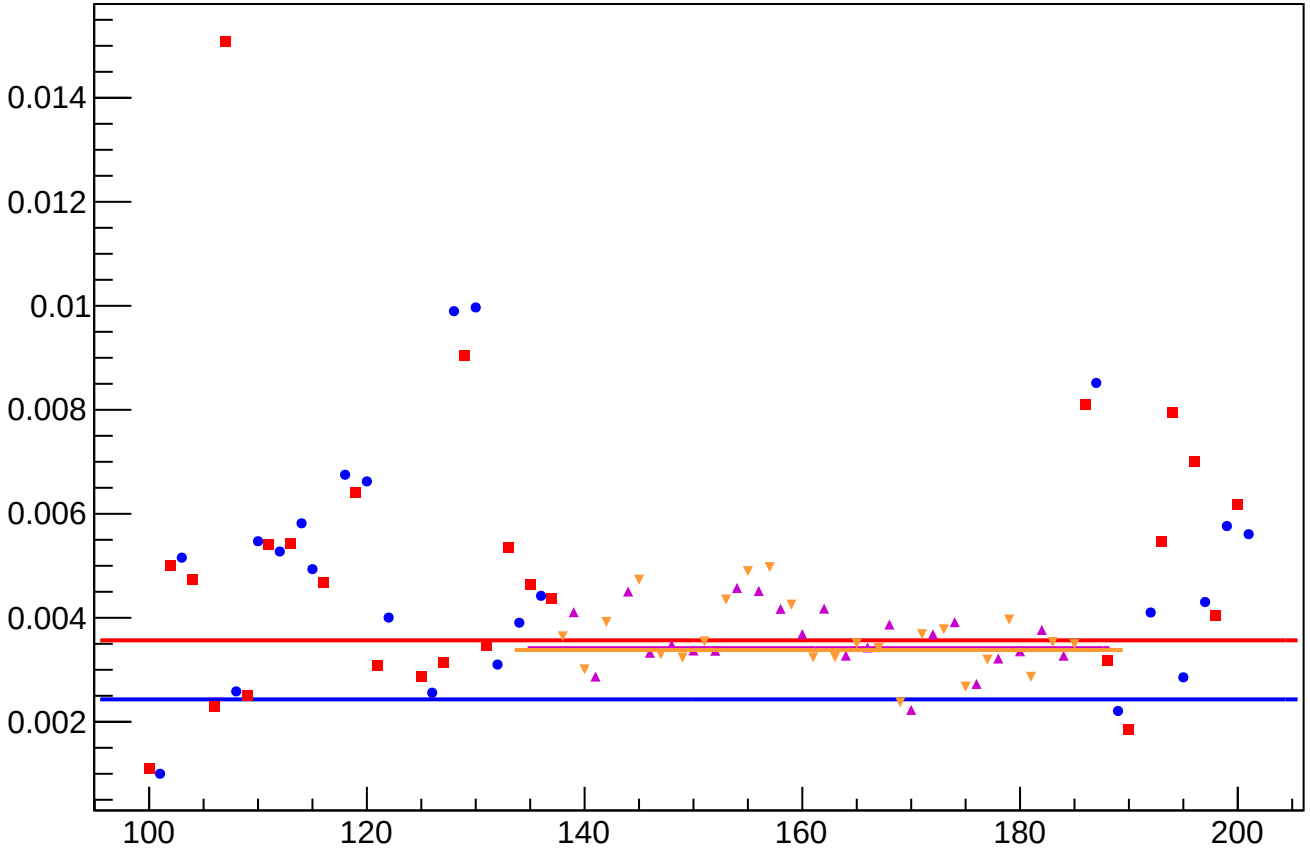
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

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

All: -0.000+/-0.000 χ^2/NDF: 113.6/95

- sign -0.000+/-0.000 χ^2/NDF: 43.7/48

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

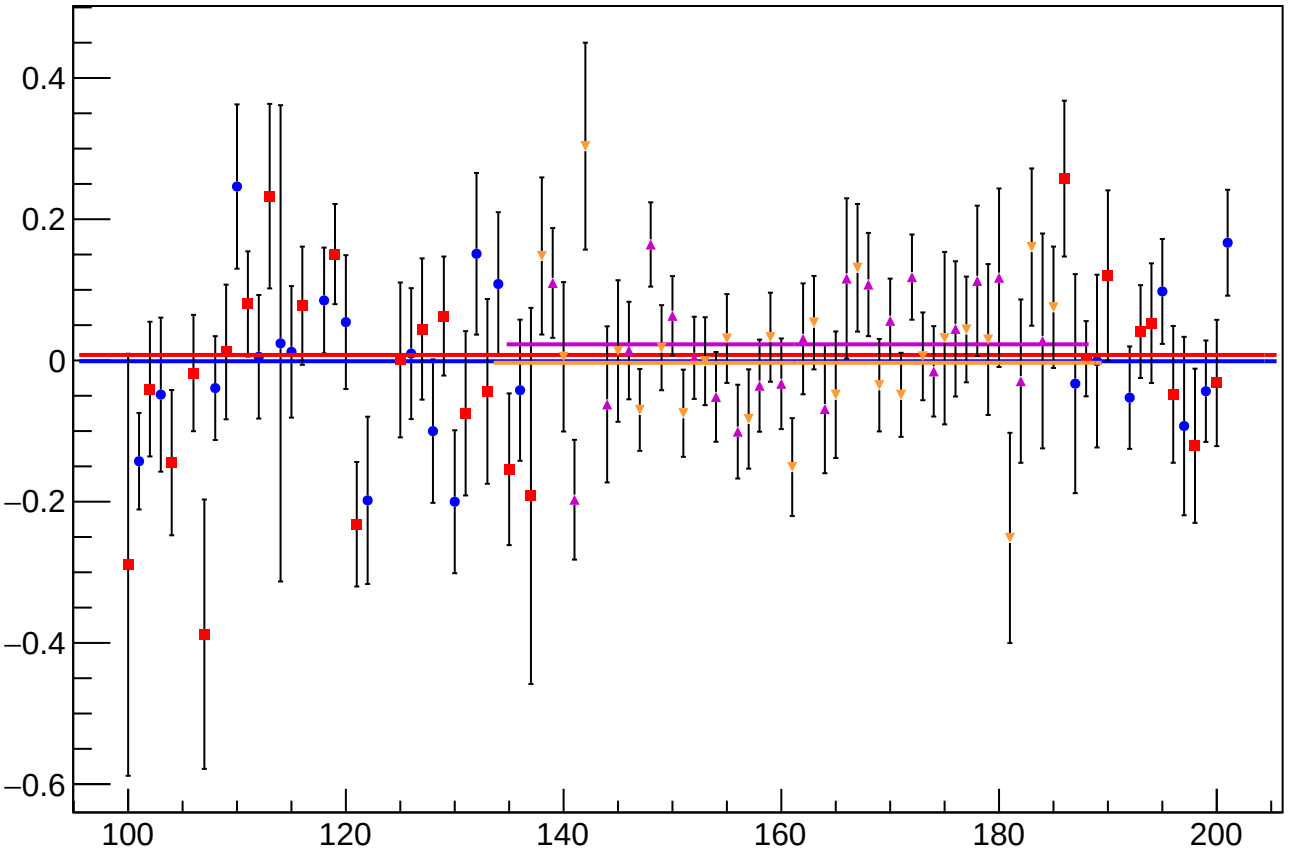
Right Out: 0.004+/-0.000 χ^2/NDF: 4734127.7/25

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: 17078123.8/95

- sign 0.003+/-0.000 χ^2/NDF: 5927982.9/48



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

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

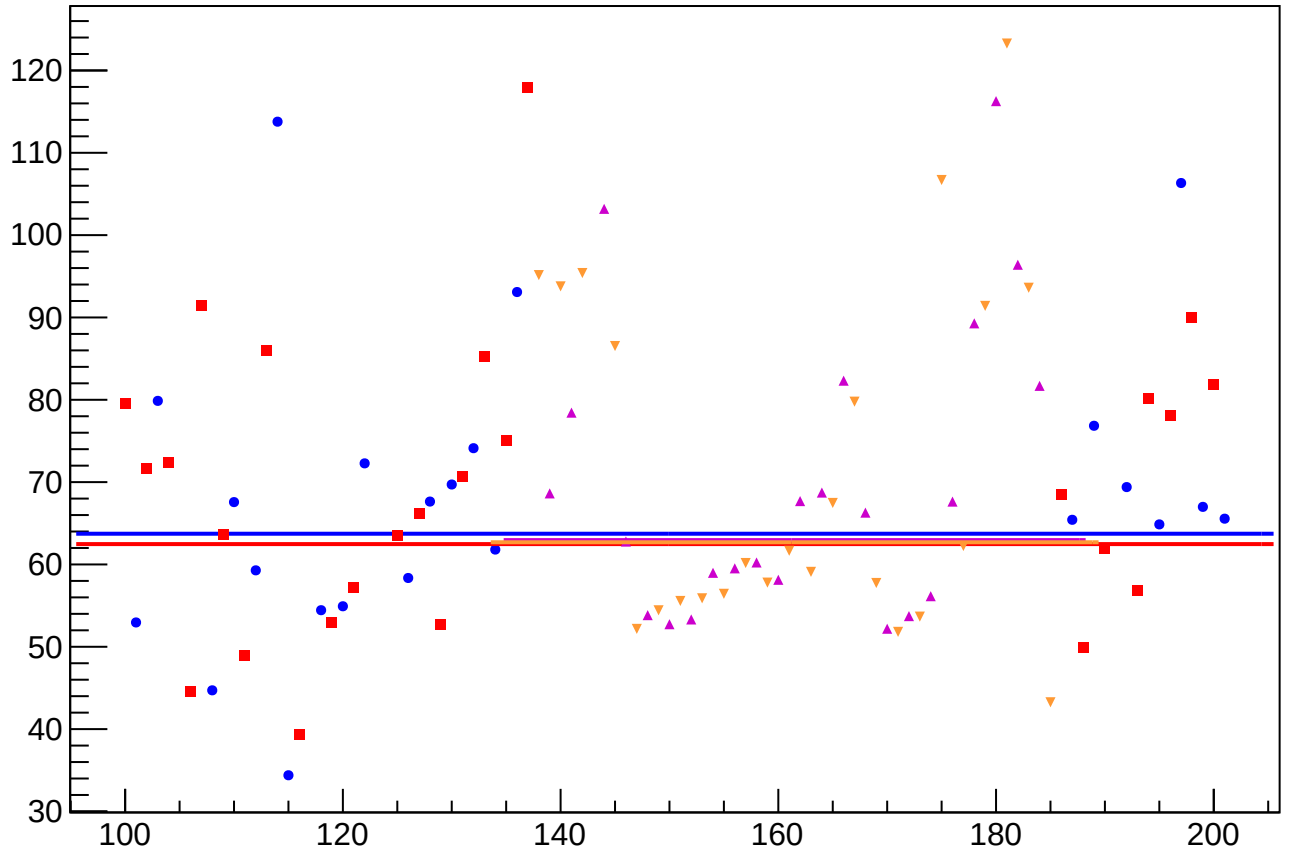
Right Out: 0.008+/-0.018 χ^2/NDF: 36.4/25

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

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

All: 0.007+/-0.008 χ^2/NDF: 122.8/95

- sign 0.017+/-0.012 χ^2/NDF: 65.8/48



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

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

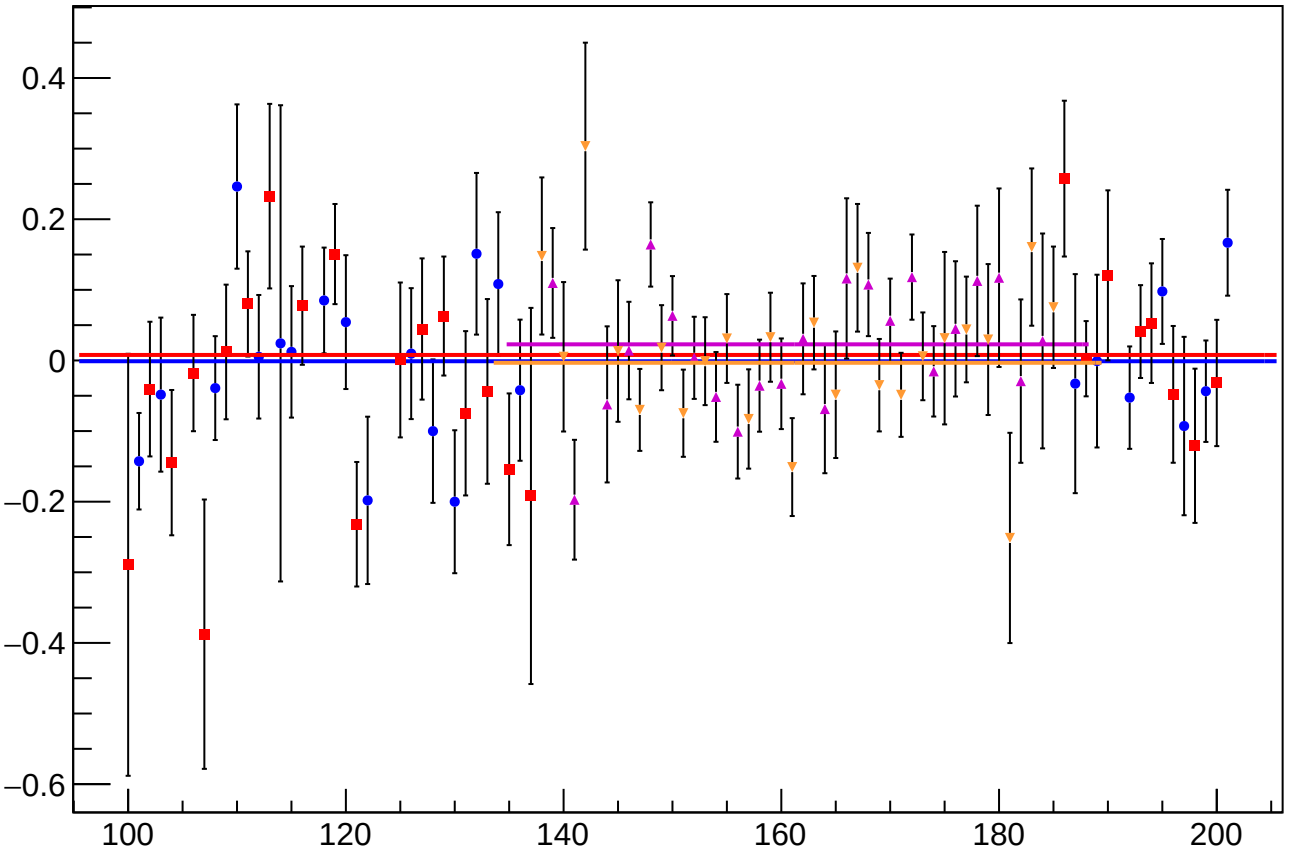
Right Out: 62.473+/-0.013 χ^2/NDF: 1218255.0/25

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

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

All: 62.924+/-0.006 χ^2/NDF: 5604037.1/95

- sign 62.755+/-0.008 χ^2/NDF: 2649464.6/48



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

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

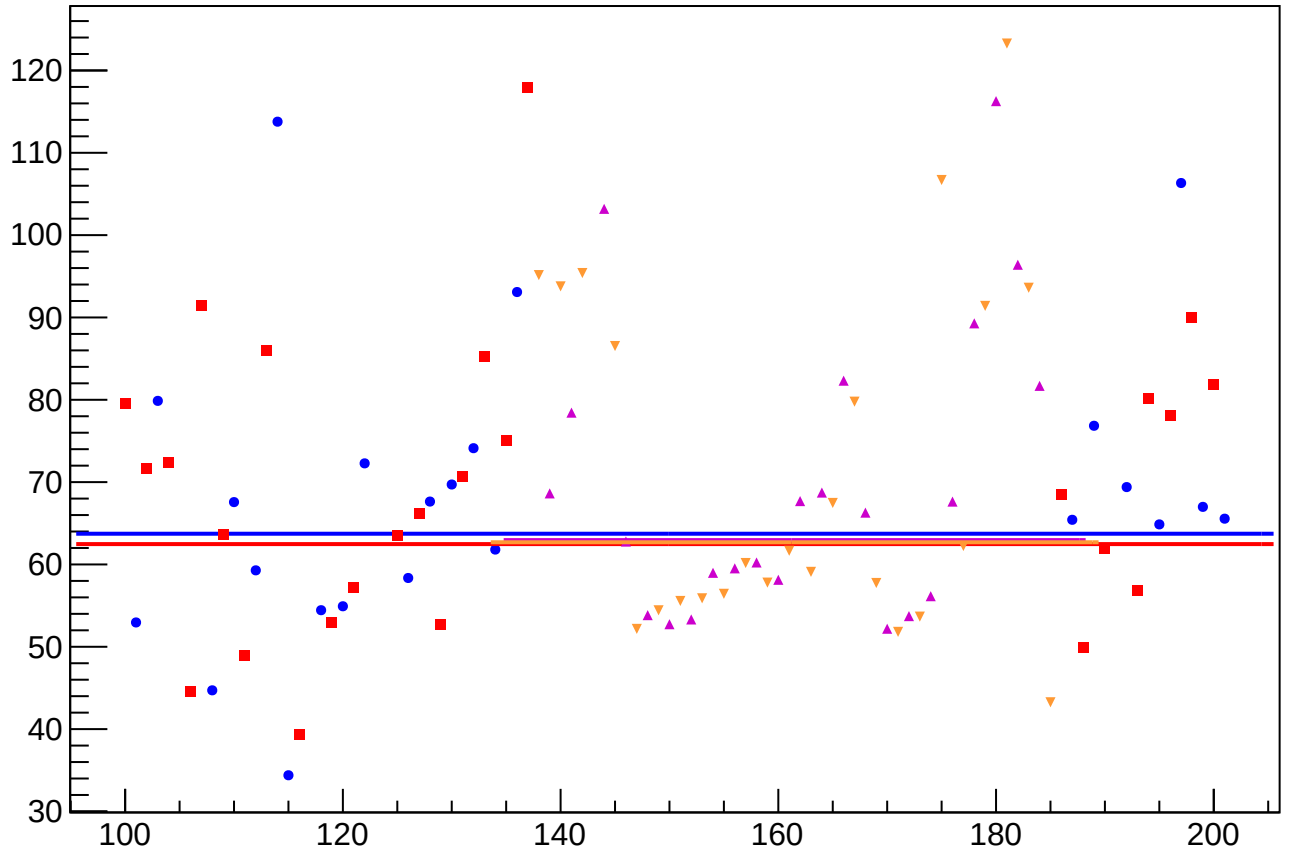
Right Out: 0.008+/-0.018 χ^2/NDF: 36.4/25

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

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

All: 0.007+/-0.008 χ^2/NDF: 122.8/95

- sign 0.017+/-0.012 χ^2/NDF: 65.8/48



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

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

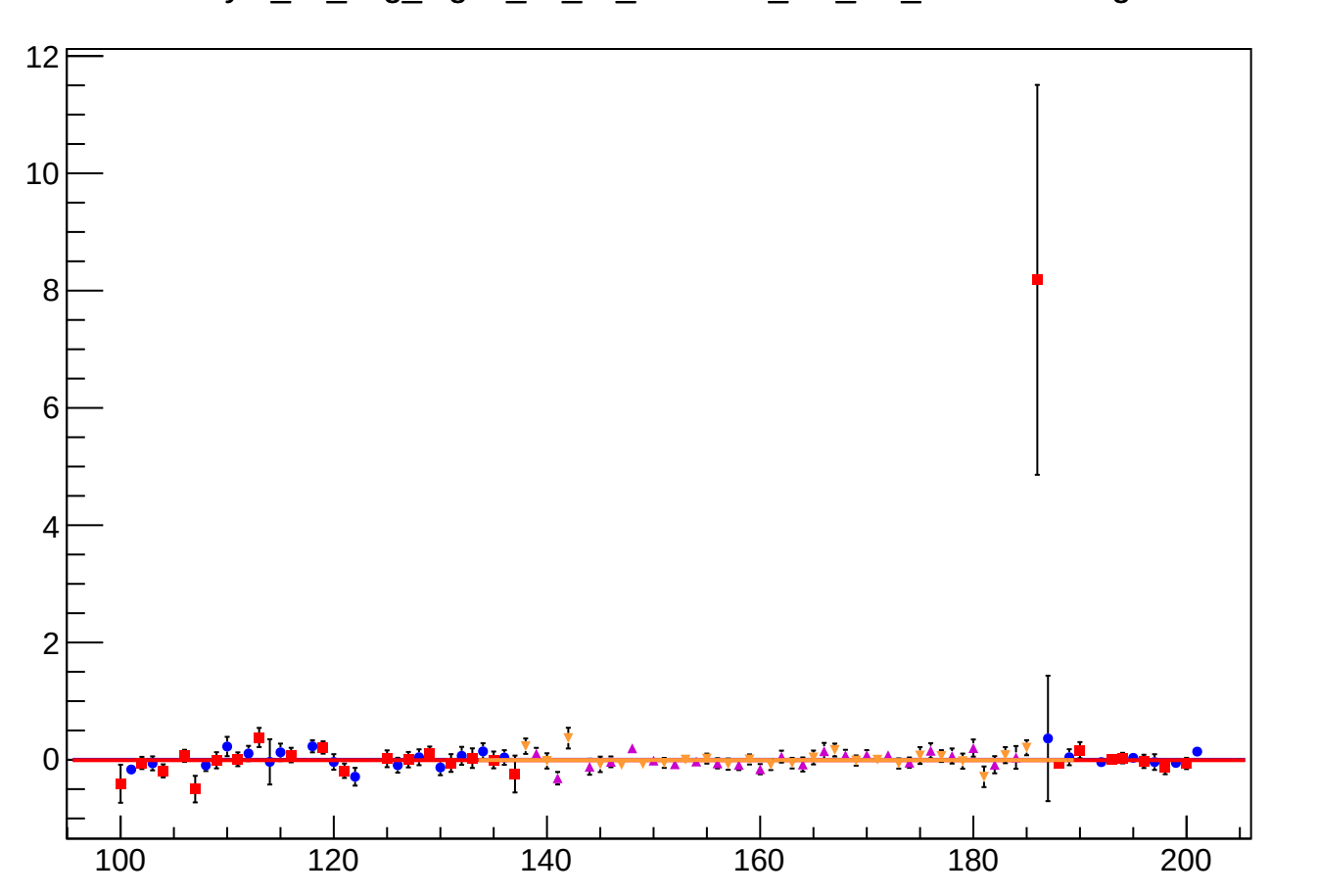
Right Out: 62.473+/-0.013 χ^2/NDF: 1218255.0/25

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

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

All: 62.924+/-0.006 χ^2/NDF: 5604037.1/95

\- sign 62.755+/-0.008 χ^2/NDF: 2649464.6/48



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: -0.007+/-0.024 χ^2/NDF: 33.6/25

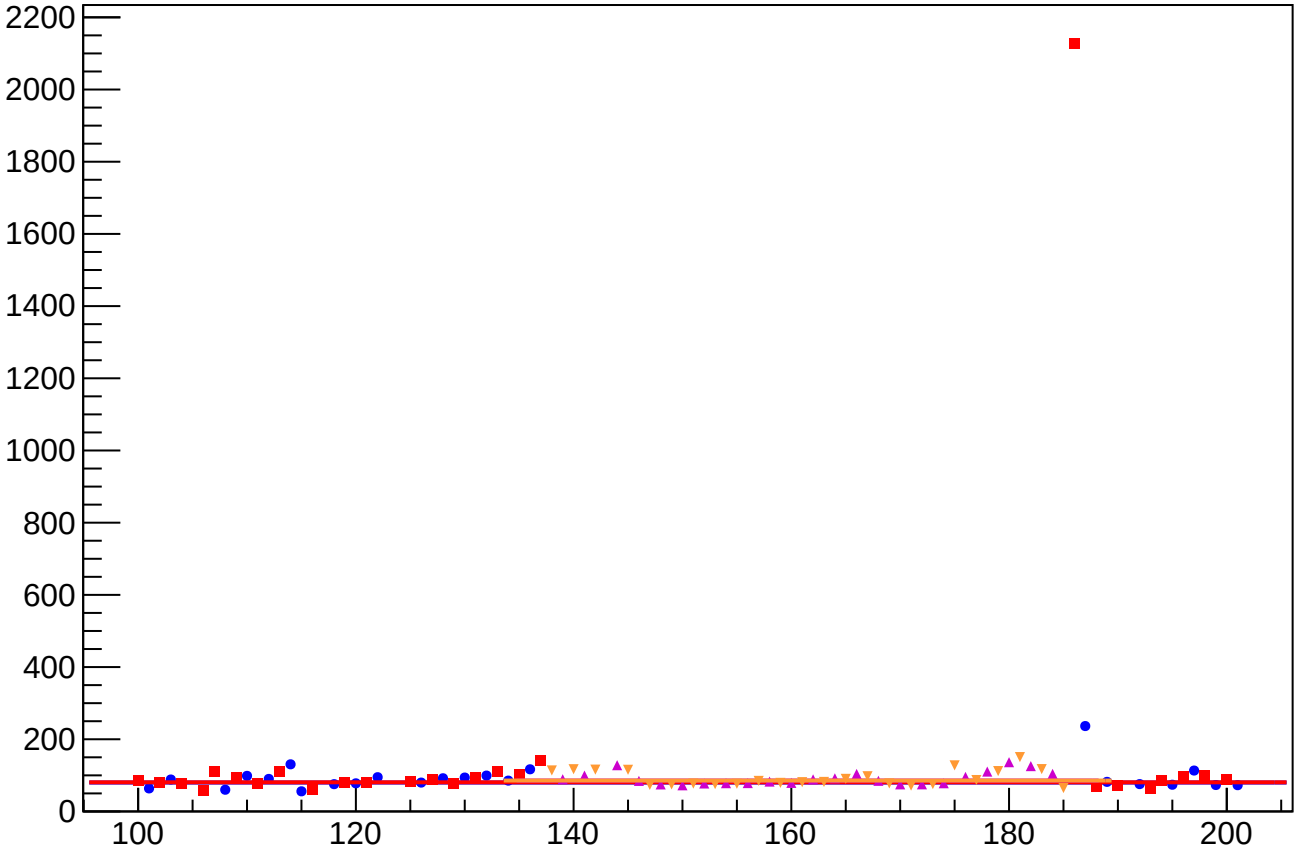
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

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

All: -0.003+/-0.011 χ^2/NDF: 109.9/95

- sign -0.004+/-0.016 χ^2/NDF: 64.2/48

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

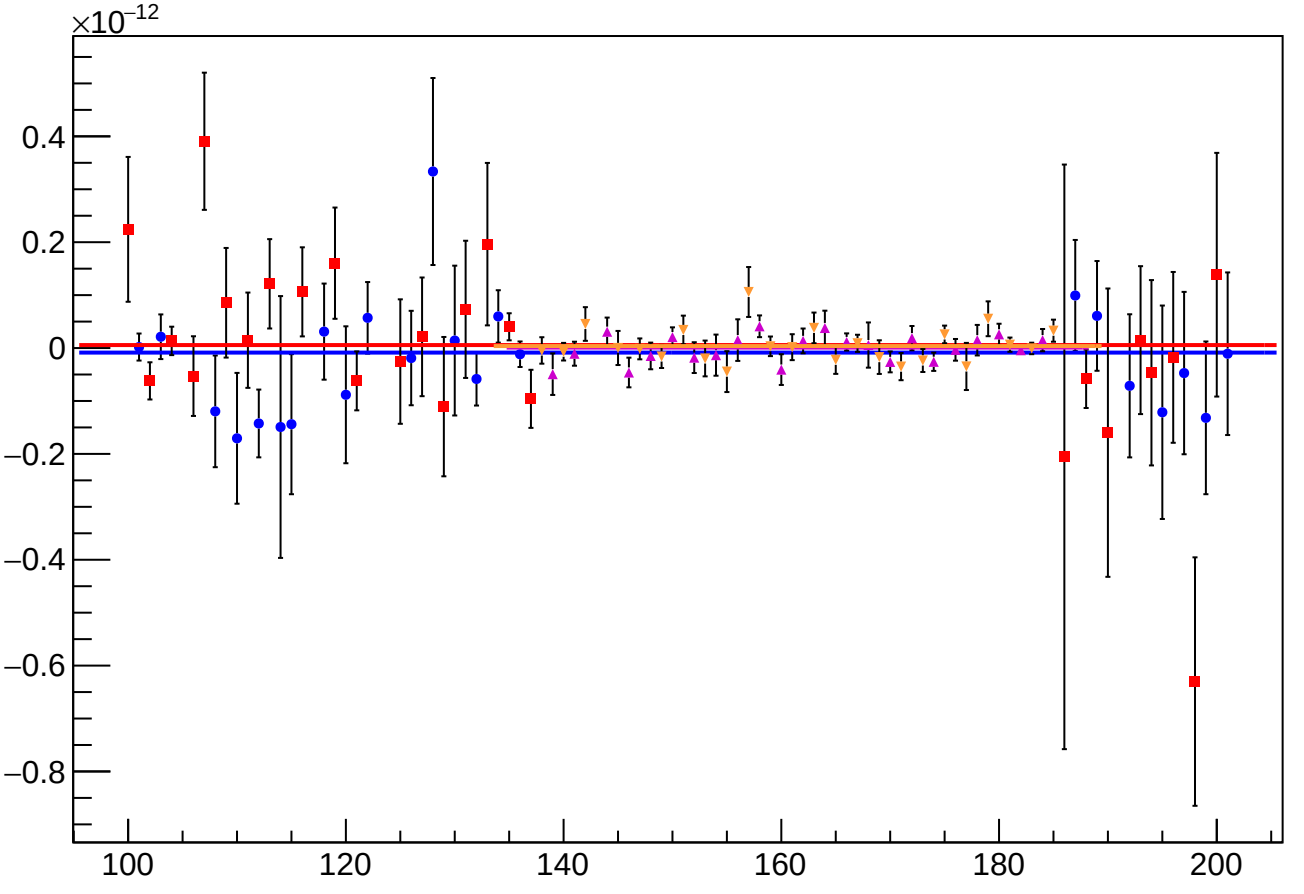
Right Out: 80.738+/-0.017 χ^2/NDF: 1524979.3/25

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

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

All: 83.404+/-0.008 χ^2/NDF: 4766730.5/95

- sign 83.533+/-0.011 χ^2/NDF: 2570433.9/48



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

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

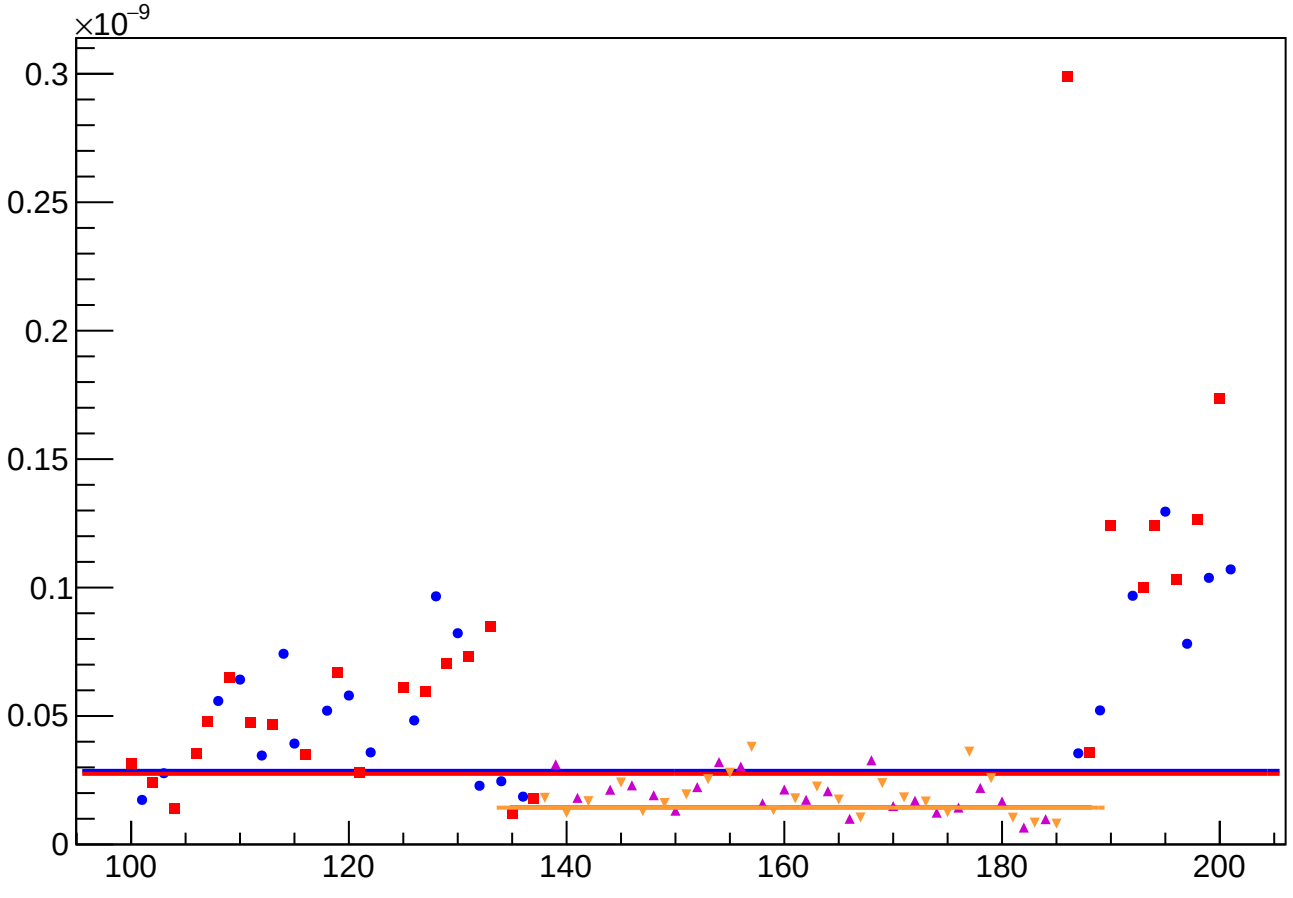
Right Out: 0.000+/-0.000 χ^2/NDF: 40.9/25

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: 110.8/95

- sign 0.000+/-0.000 χ^2/NDF: 64.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 4505936.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:3611096.1/23

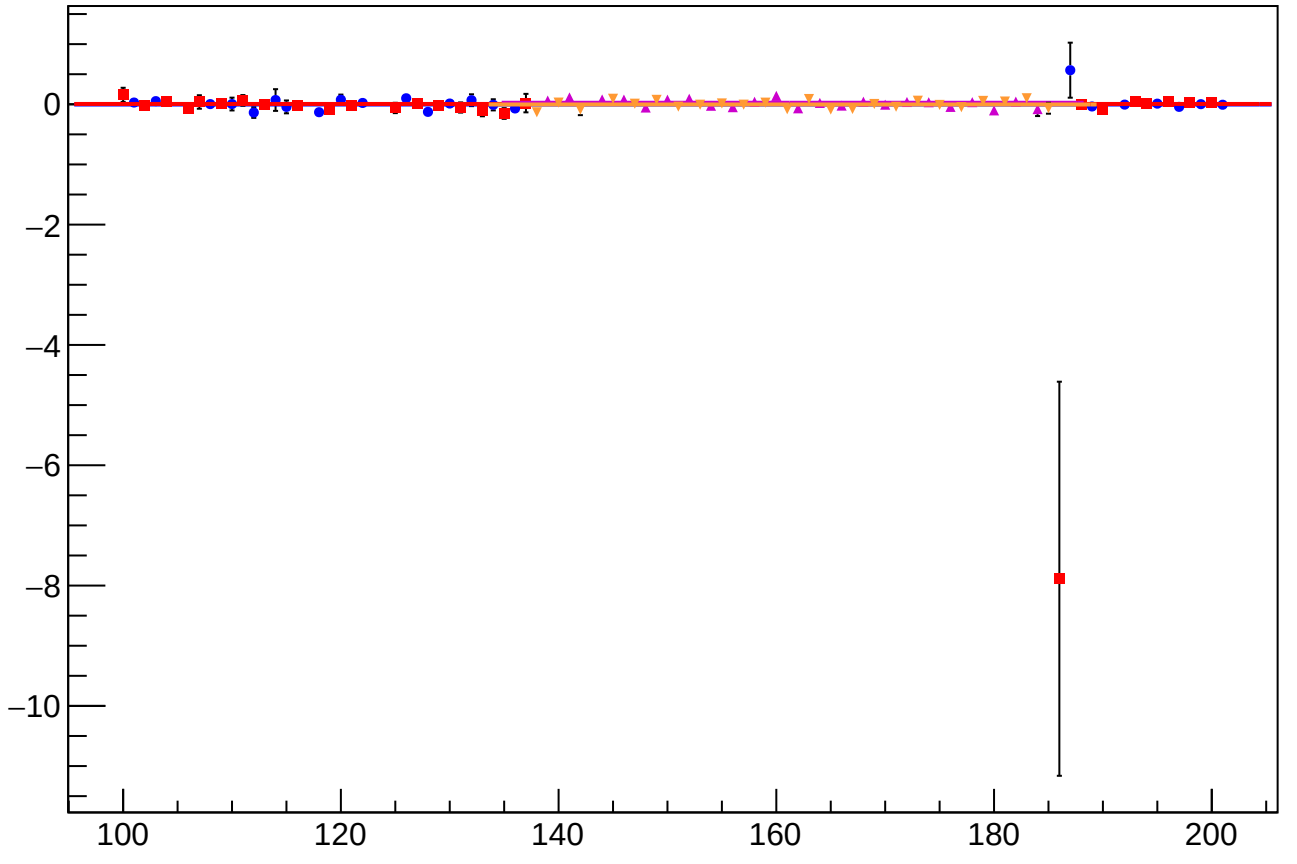
Right Out: 0.000+/-0.000 χ^2/NDF: 6748036.6/25

Left In: 0.000+/-0.000 χ^2/NDF:4256069.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10357868.9/46

All: 0.000+/-0.000 χ^2/NDF: 23215185.5/95

- sign 0.000+/-0.000 χ^2/NDF: 12857301.9/48



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: 0.006+/-0.009 χ^2/NDF: 29.2/25

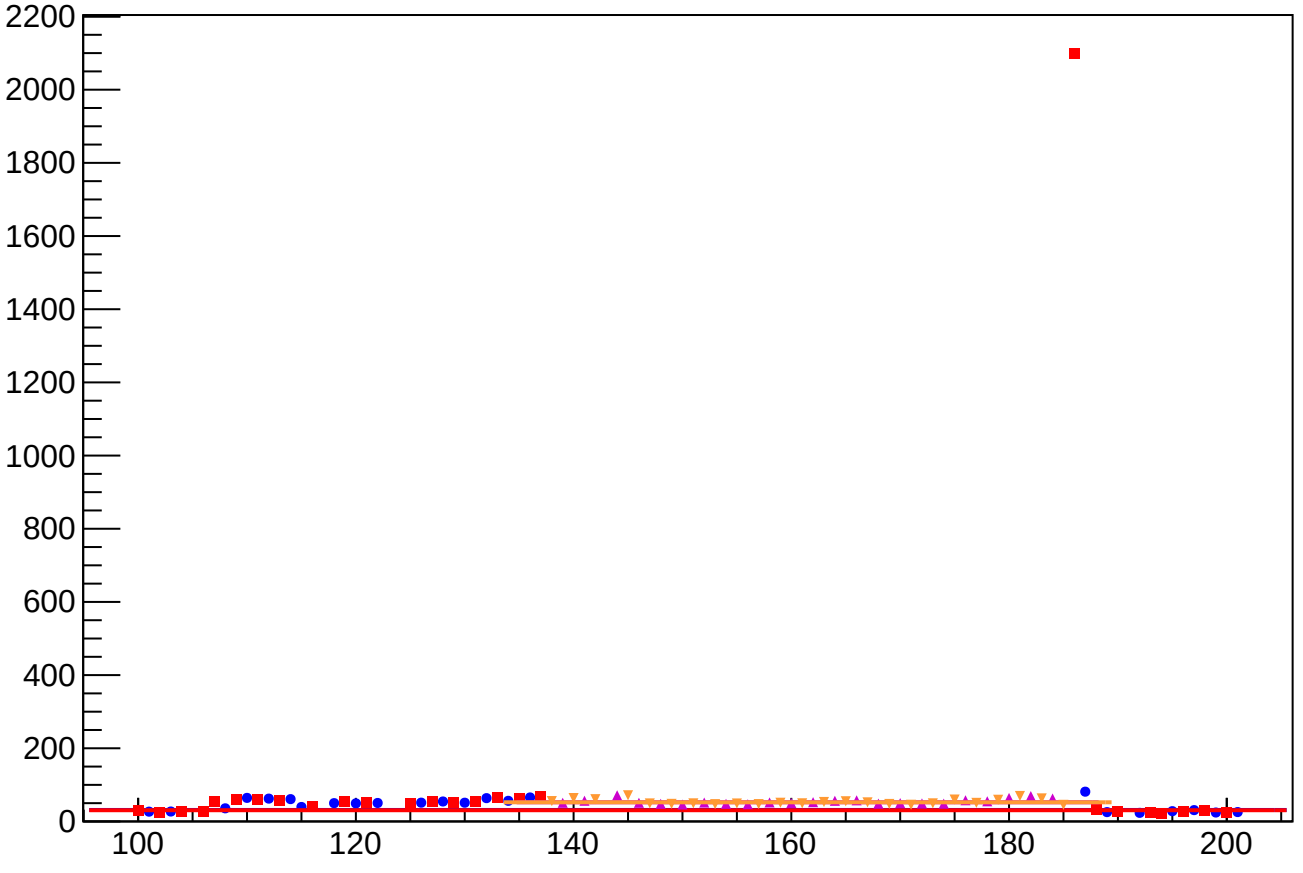
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

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

All: 0.005+/-0.005 χ^2/NDF: 100.2/95

- sign 0.013+/-0.008 χ^2/NDF: 55.1/48

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

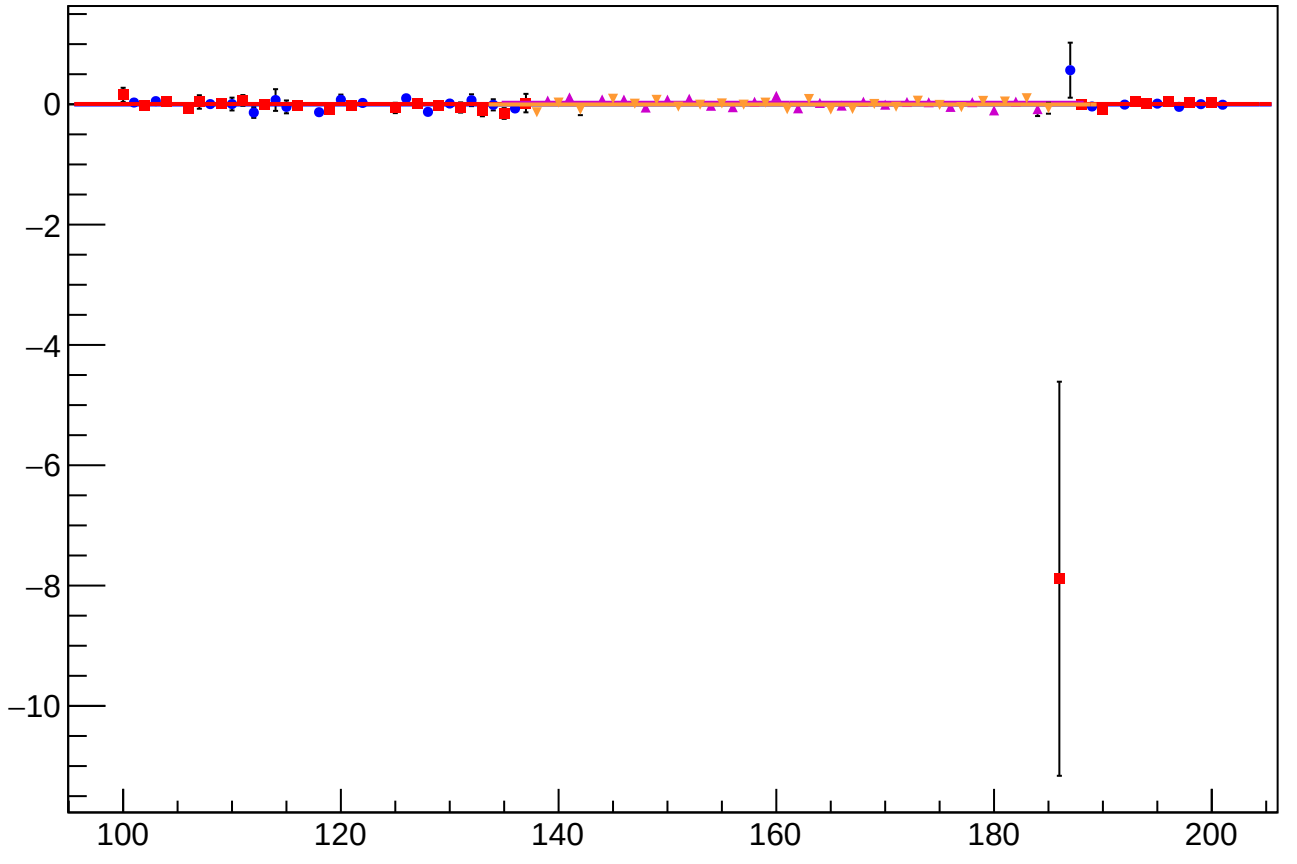
Right Out: 30.728+/-0.007 χ^2/NDF: 3684257.9/25

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

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

All: 39.028+/-0.004 χ^2/NDF: 14751831.1/95

- sign 38.605+/-0.005 χ^2/NDF: 7987027.9/48



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

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

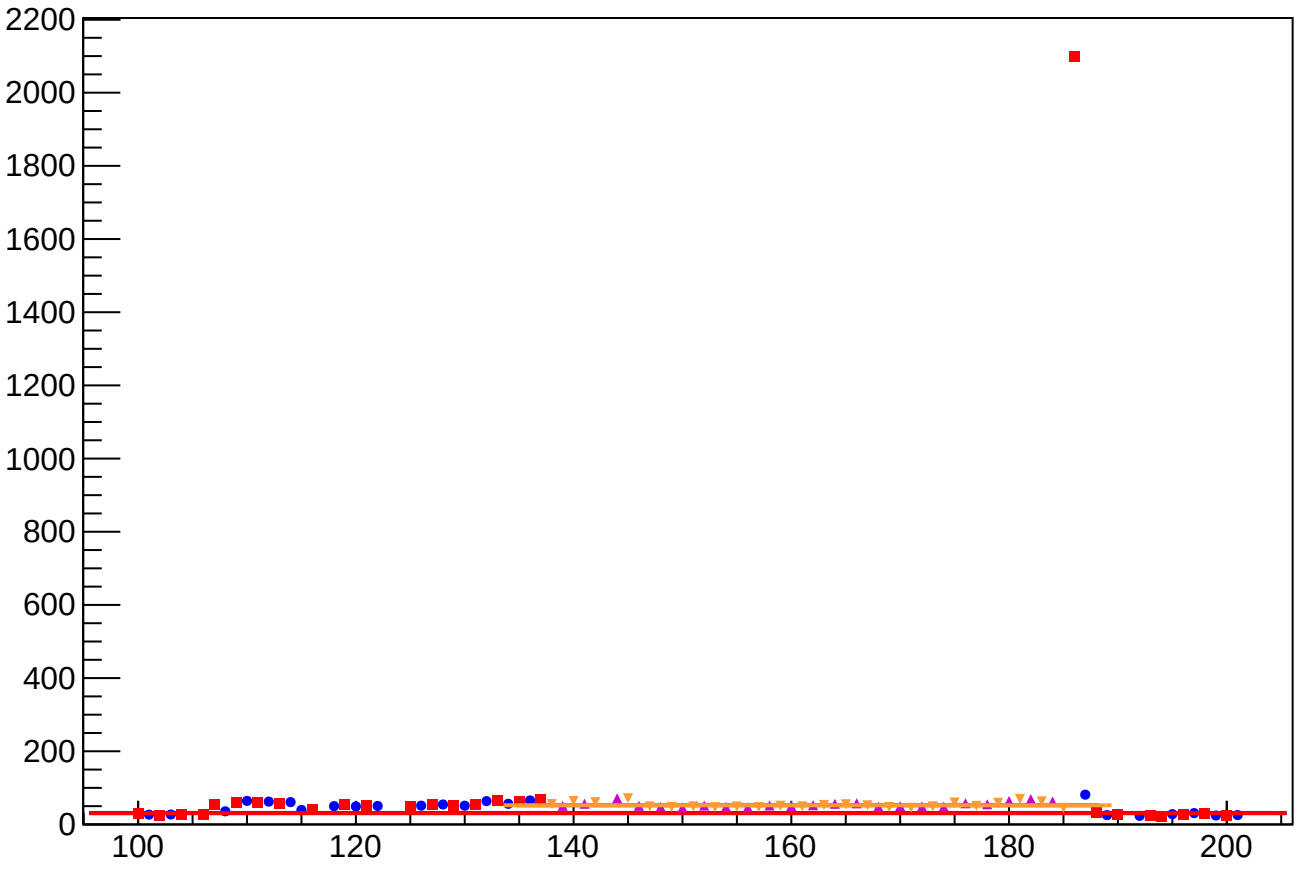
Right Out: 0.006+/-0.009 χ^2/NDF: 29.2/25

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

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

All: 0.005+/-0.005 χ^2/NDF: 100.2/95

- sign 0.013+/-0.008 χ^2/NDF: 55.1/48



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: 30.728+/-0.007 χ^2/NDF: 3684257.9/25

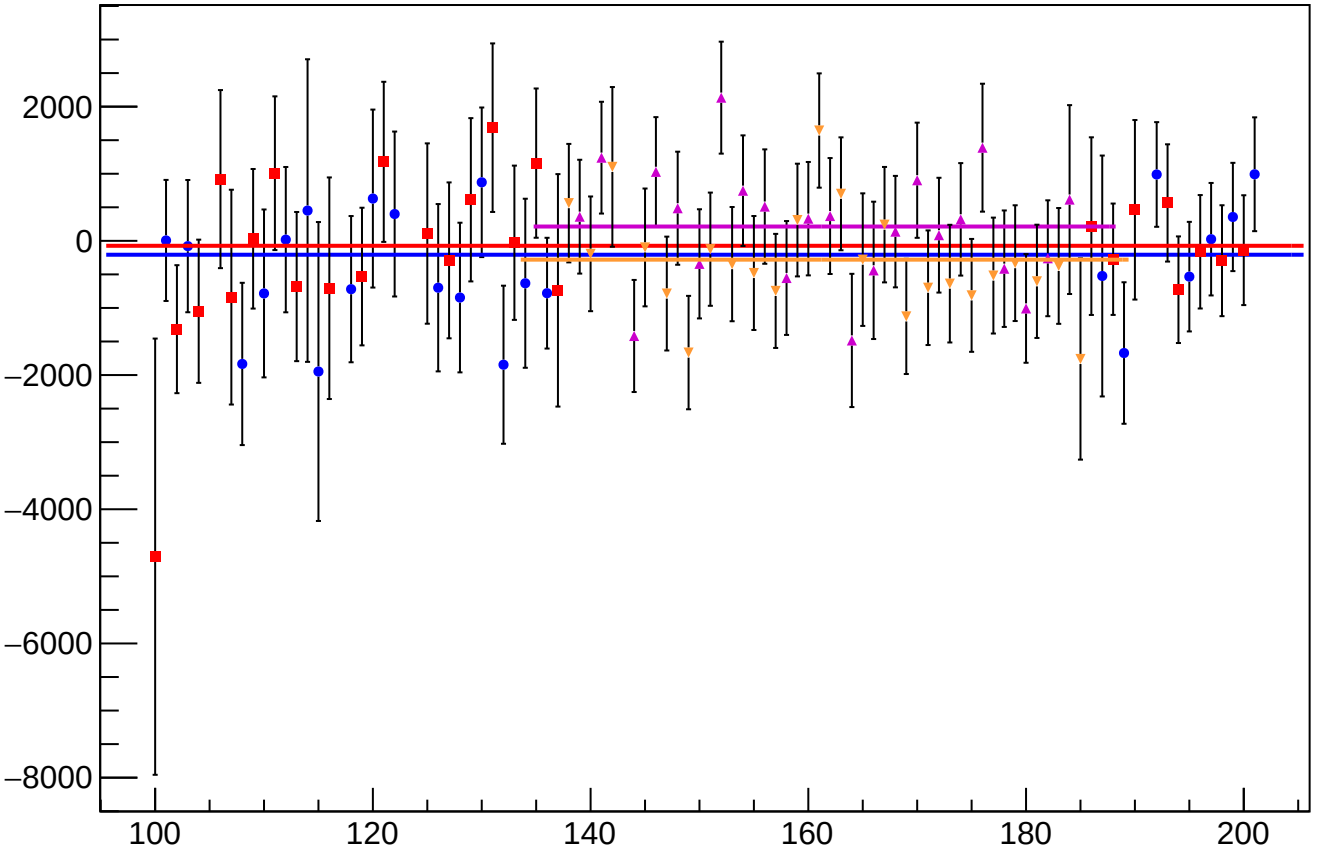
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

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

All: 39.028+/-0.004 χ^2/NDF: 14751831.1/95

- sign 38.605+/-0.005 χ^2/NDF: 7987027.9/48

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: -73.636+/-213.774 χ^2/NDF: 13.3/25

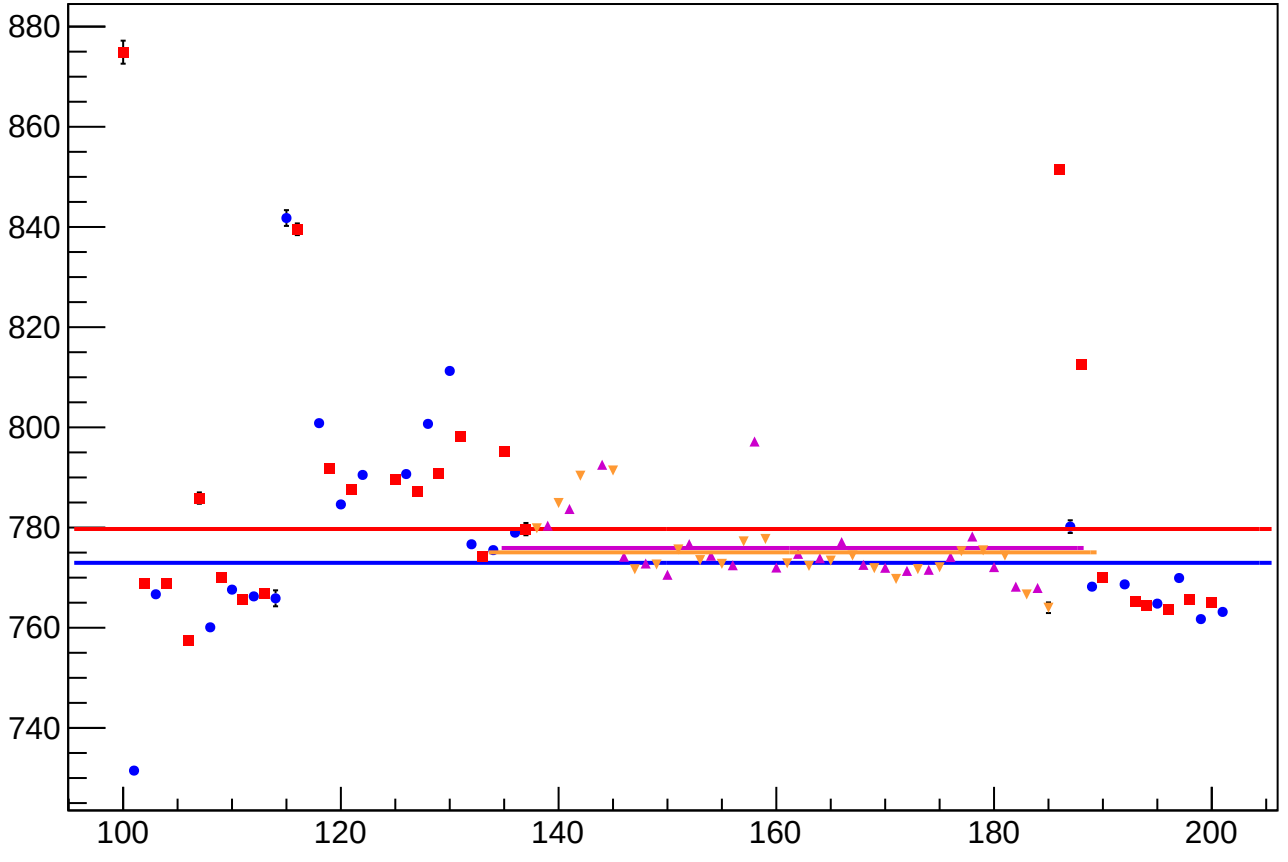
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -77.487+/-98.088 χ^2/NDF: 70.6/95

- sign 93.434+/-138.211 χ^2/NDF: 36.7/48

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: 779.713+/-0.151 χ^2/NDF: 20104.3/25

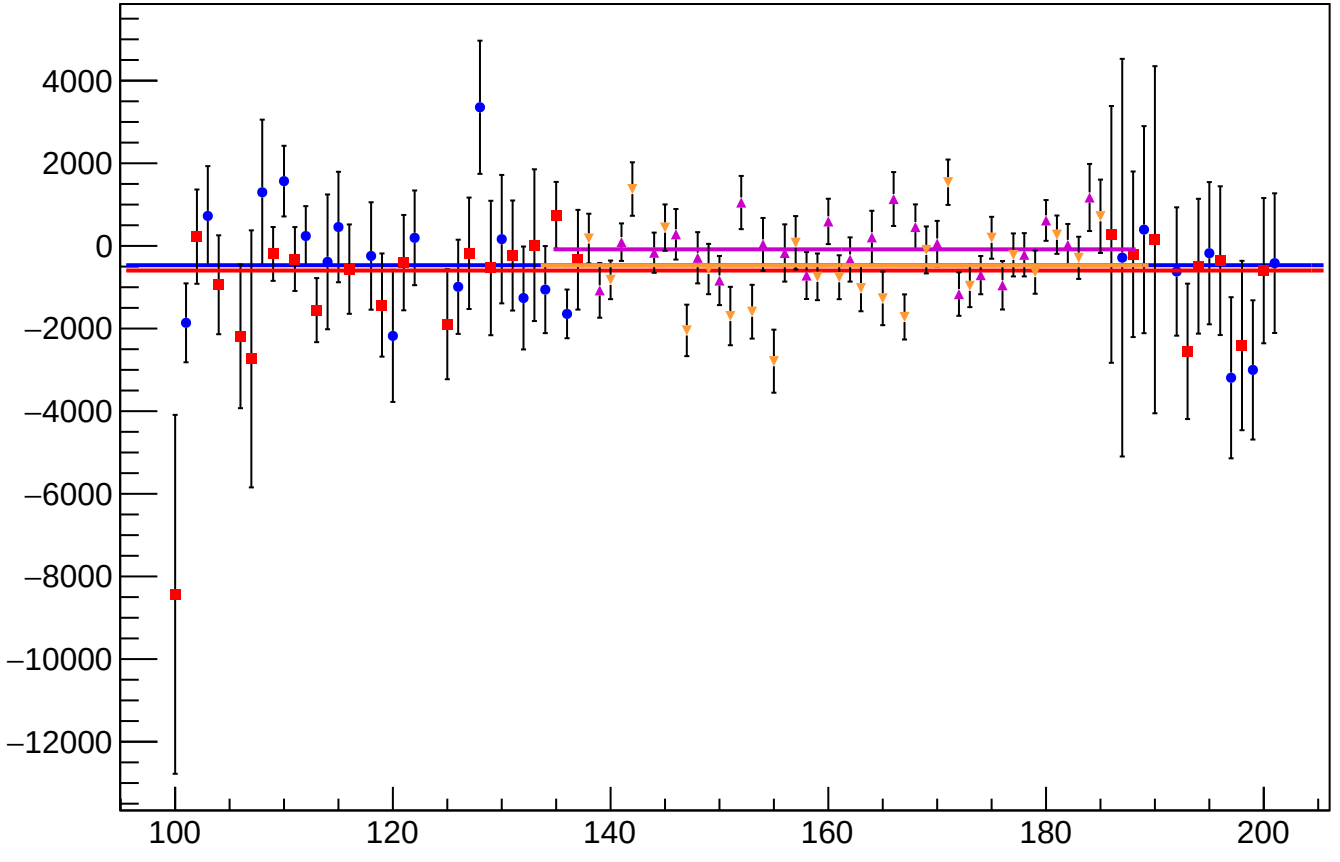
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

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

All: 775.871+/-0.069 χ^2/NDF: 39669.5/95

- sign 777.506+/-0.098 χ^2/NDF: 23443.3/48

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: -595.459+/-246.222 χ^2/NDF: 14.1/25

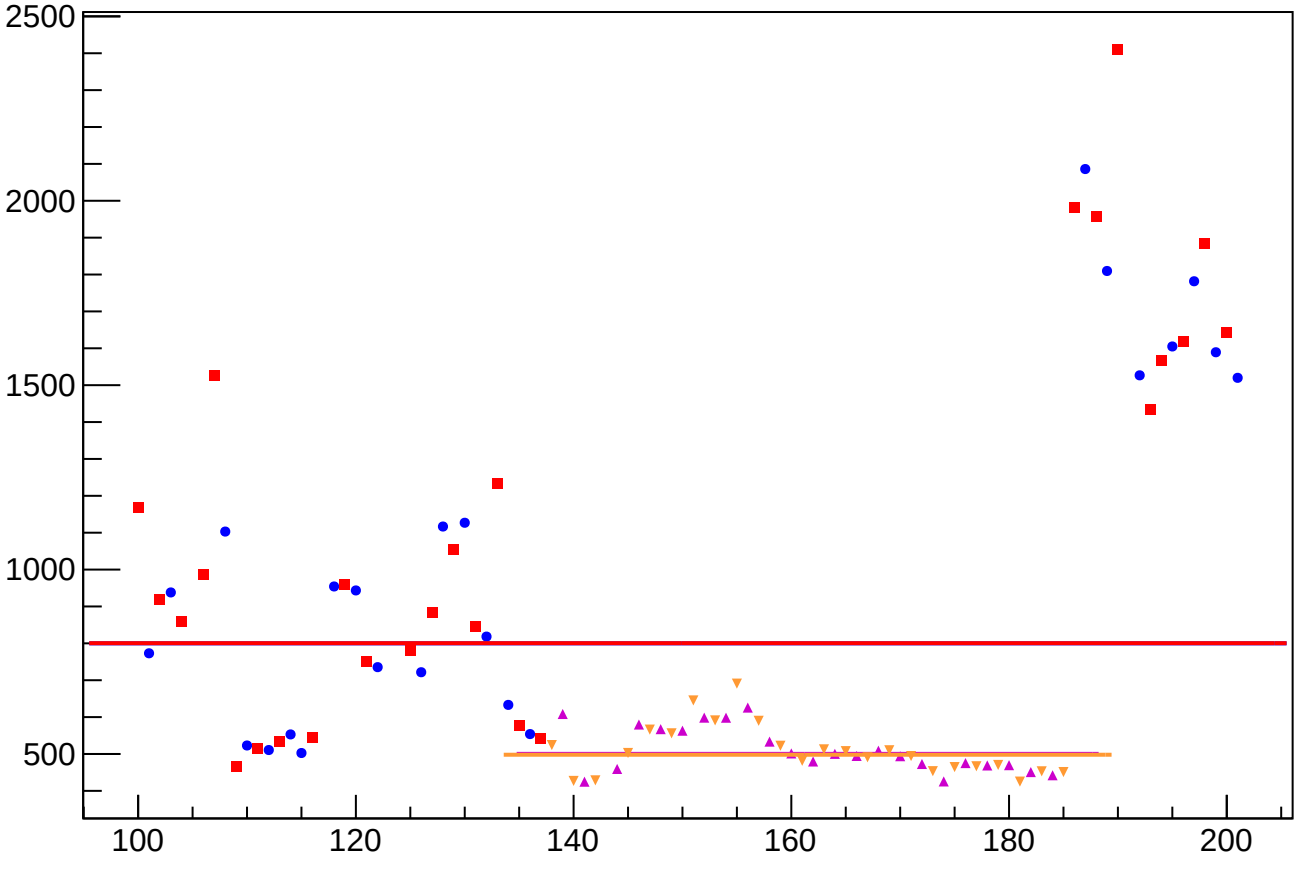
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -323.571+/-74.966 χ^2/NDF: 141.7/95

- sign -178.587+/-106.270 χ^2/NDF: 45.7/48

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: 800.421+/-0.174 χ^2/NDF: 5186722.7/25

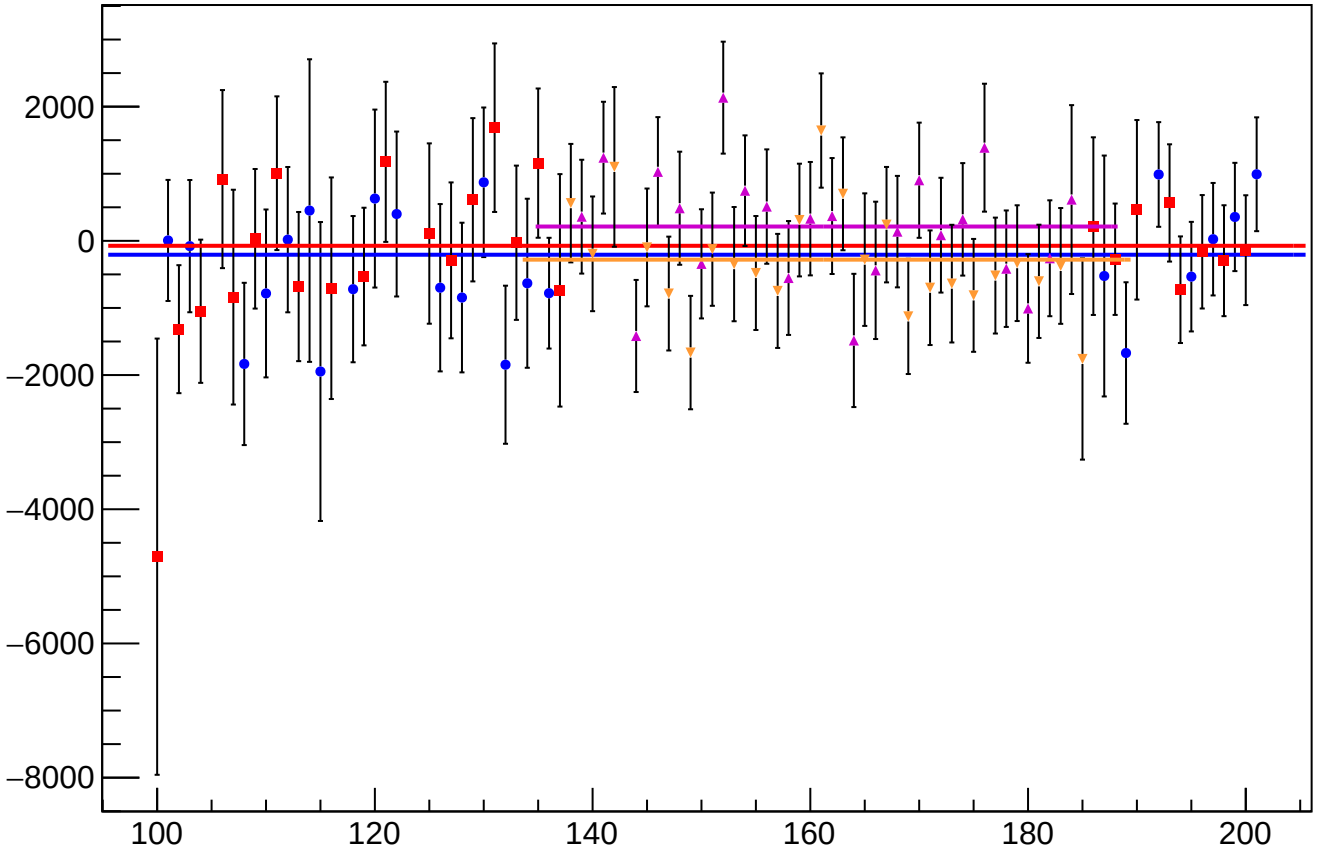
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 554.067+/-0.053 χ^2/NDF: 15041368.4/95

- sign 556.213+/-0.075 χ^2/NDF: 8081933.9/48

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: -73.636+/-213.774 χ^2/NDF: 13.3/25

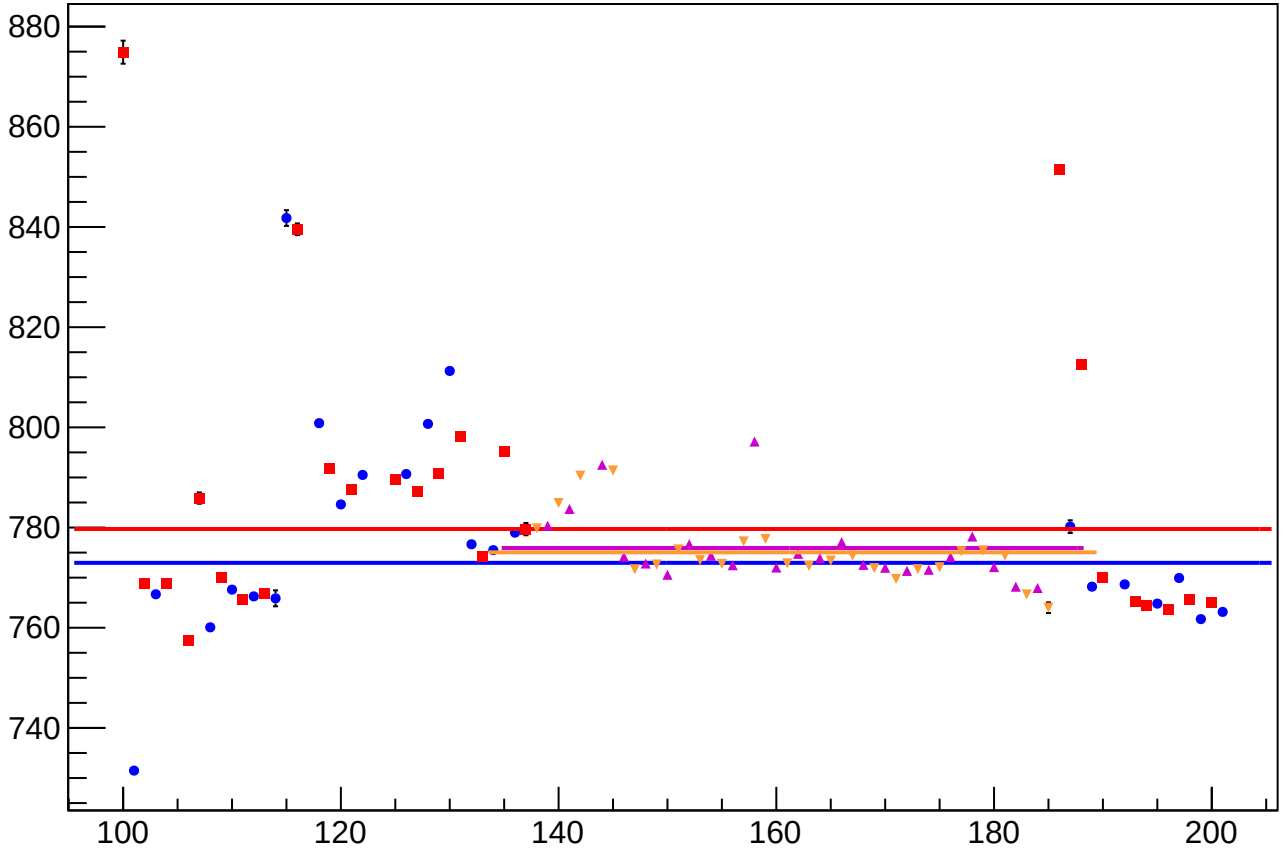
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -77.487+/-98.088 χ^2/NDF: 70.6/95

- sign 93.434+/-138.211 χ^2/NDF: 36.7/48

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: 779.713+/-0.151 χ^2/NDF: 20104.3/25

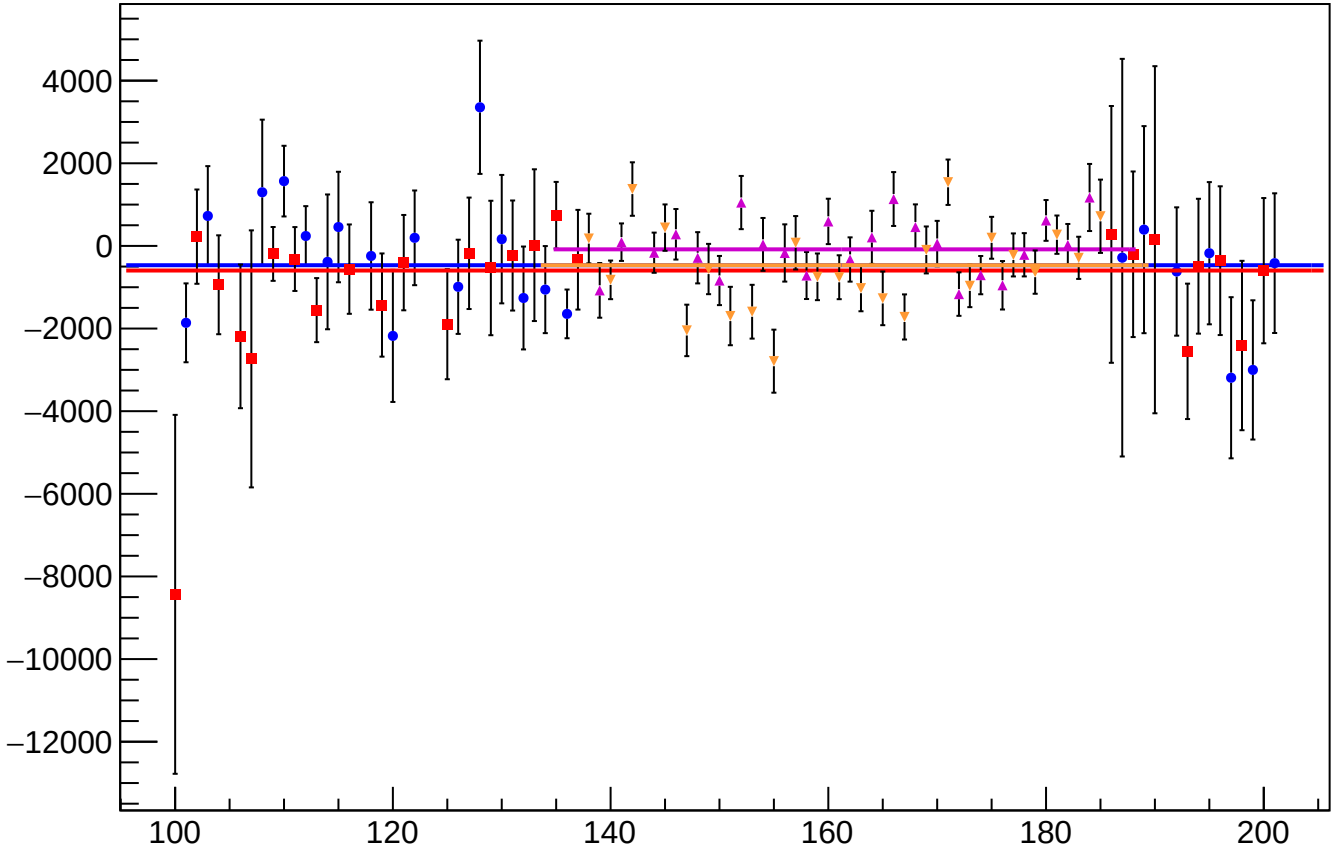
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

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

All: 775.871+/-0.069 χ^2/NDF: 39669.5/95

- sign 777.506+/-0.098 χ^2/NDF: 23443.3/48

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: -595.459+/-246.222 χ^2/NDF: 14.1/25

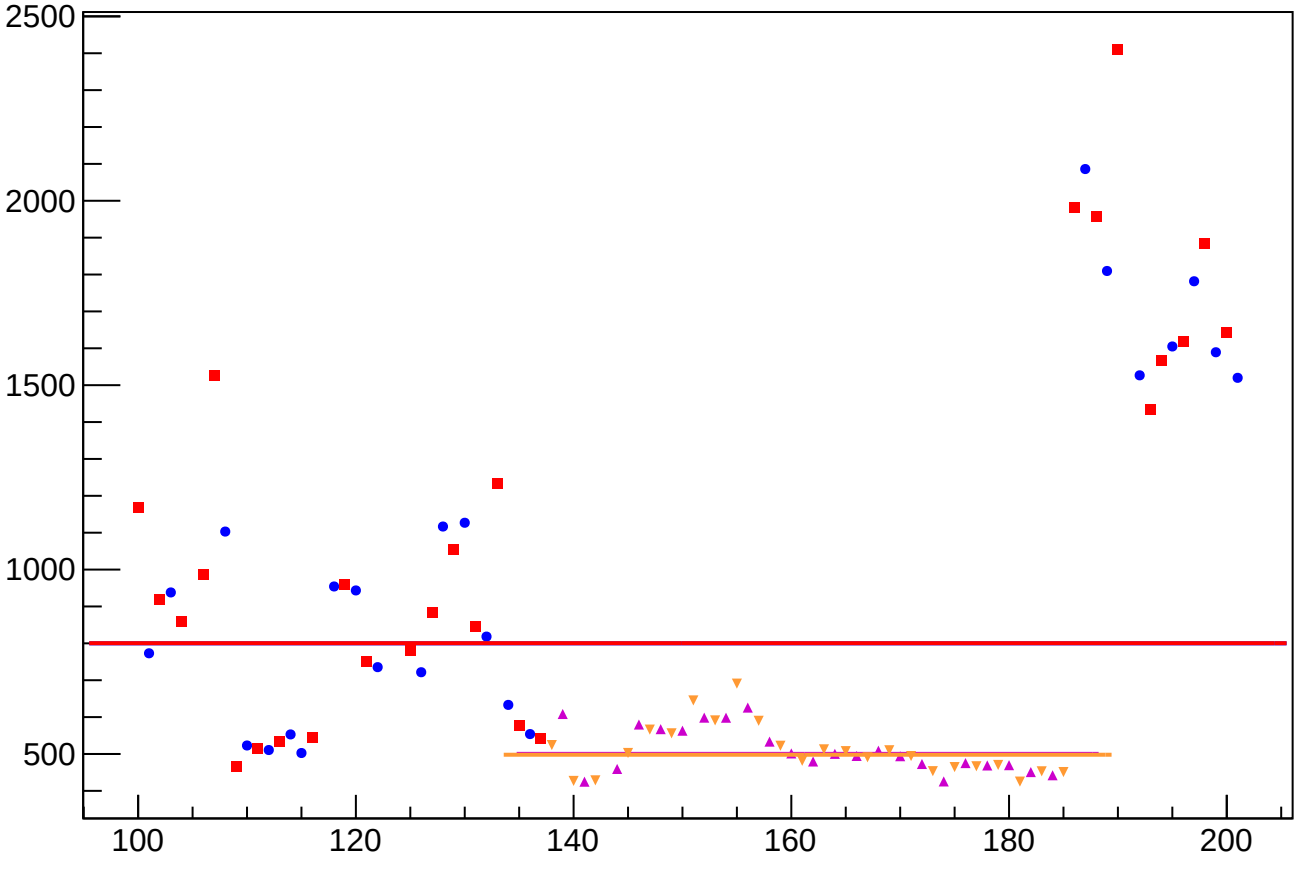
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -323.571+/-74.966 χ^2/NDF: 141.7/95

- sign -178.587+/-106.270 χ^2/NDF: 45.7/48

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: 800.421+/-0.174 χ^2/NDF: 5186722.7/25

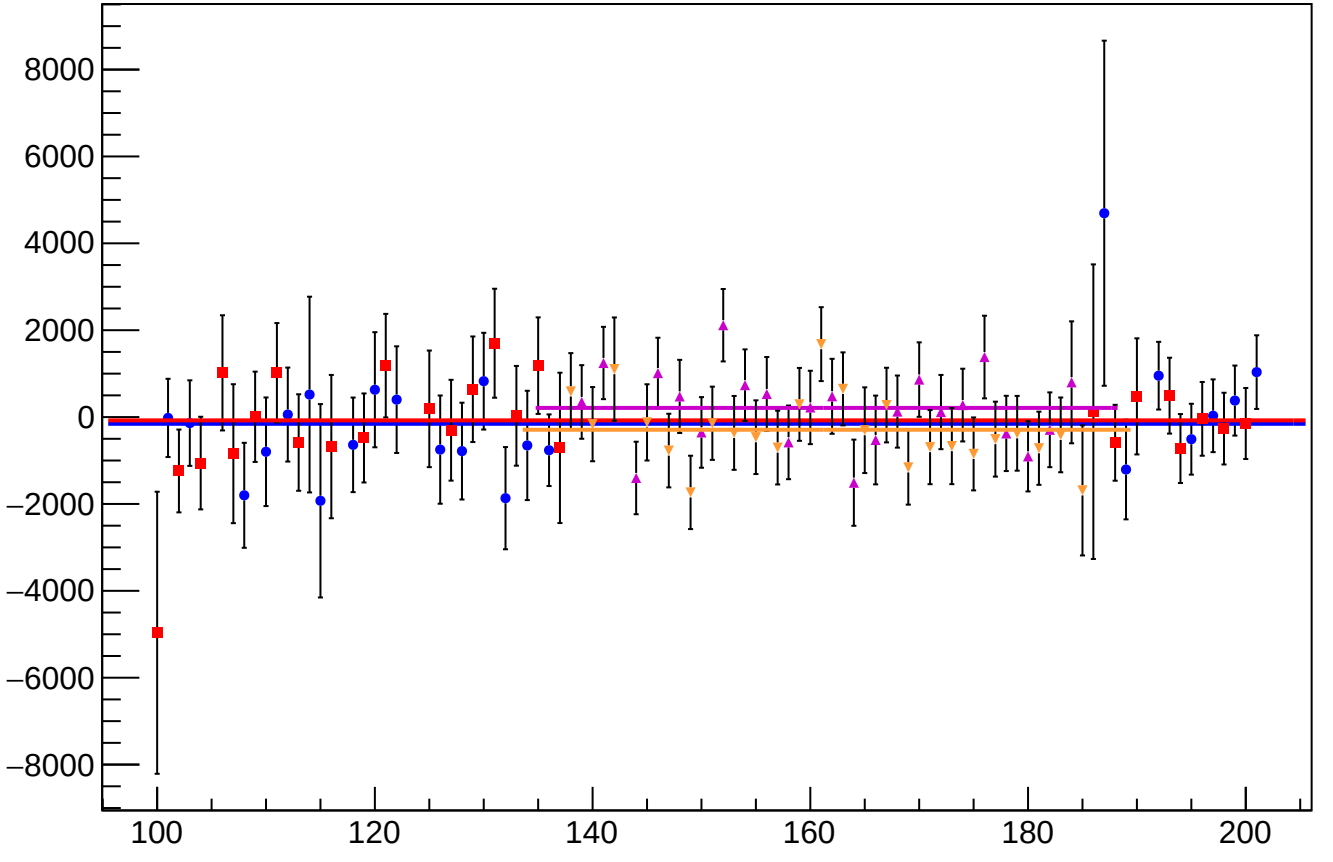
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 554.067+/-0.053 χ^2/NDF: 15041368.4/95

- sign 556.213+/-0.075 χ^2/NDF: 8081933.9/48

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: -75.680+/-216.800 χ^2/NDF: 13.6/25

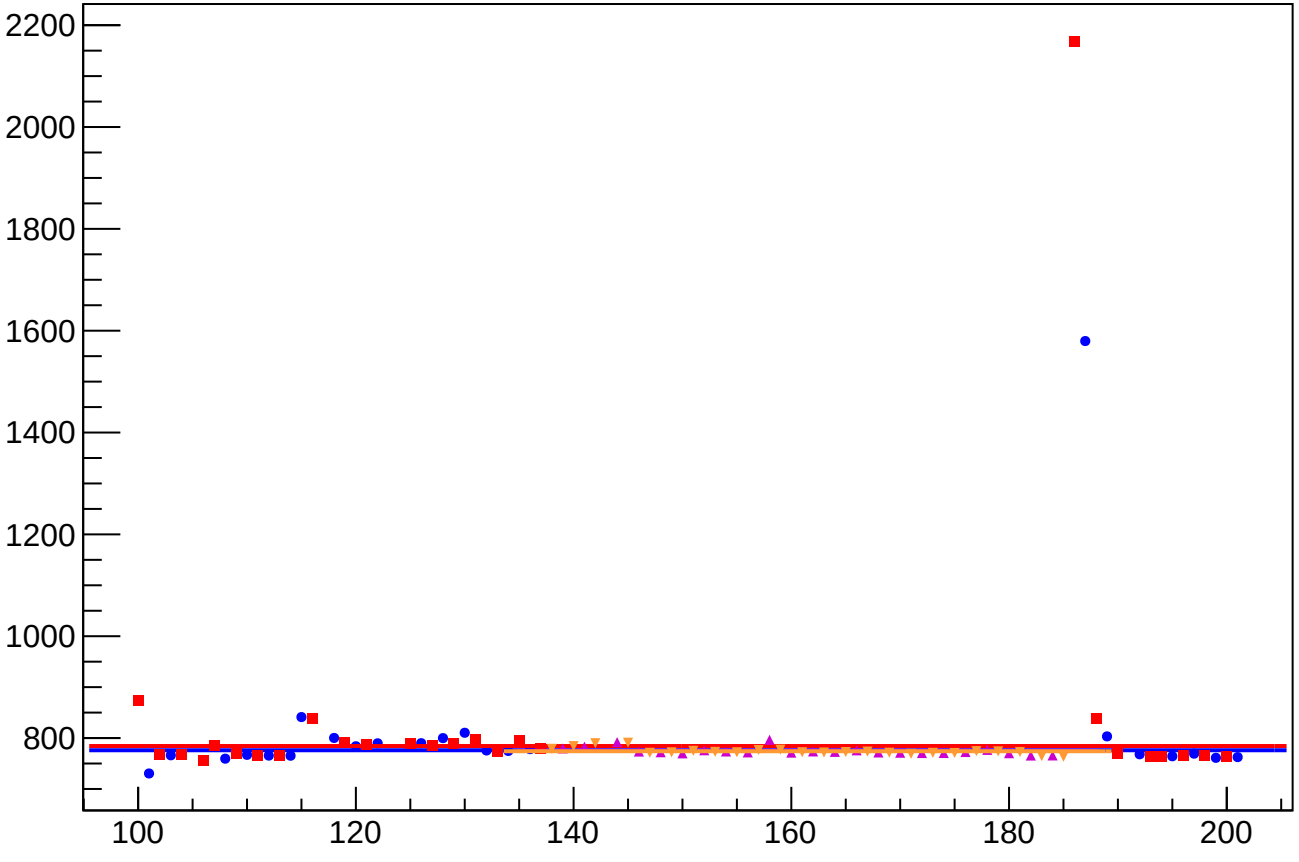
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

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

All: -71.236+/-98.474 χ^2/NDF: 71.2/95

- sign 93.431+/-138.921 χ^2/NDF: 36.8/48

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

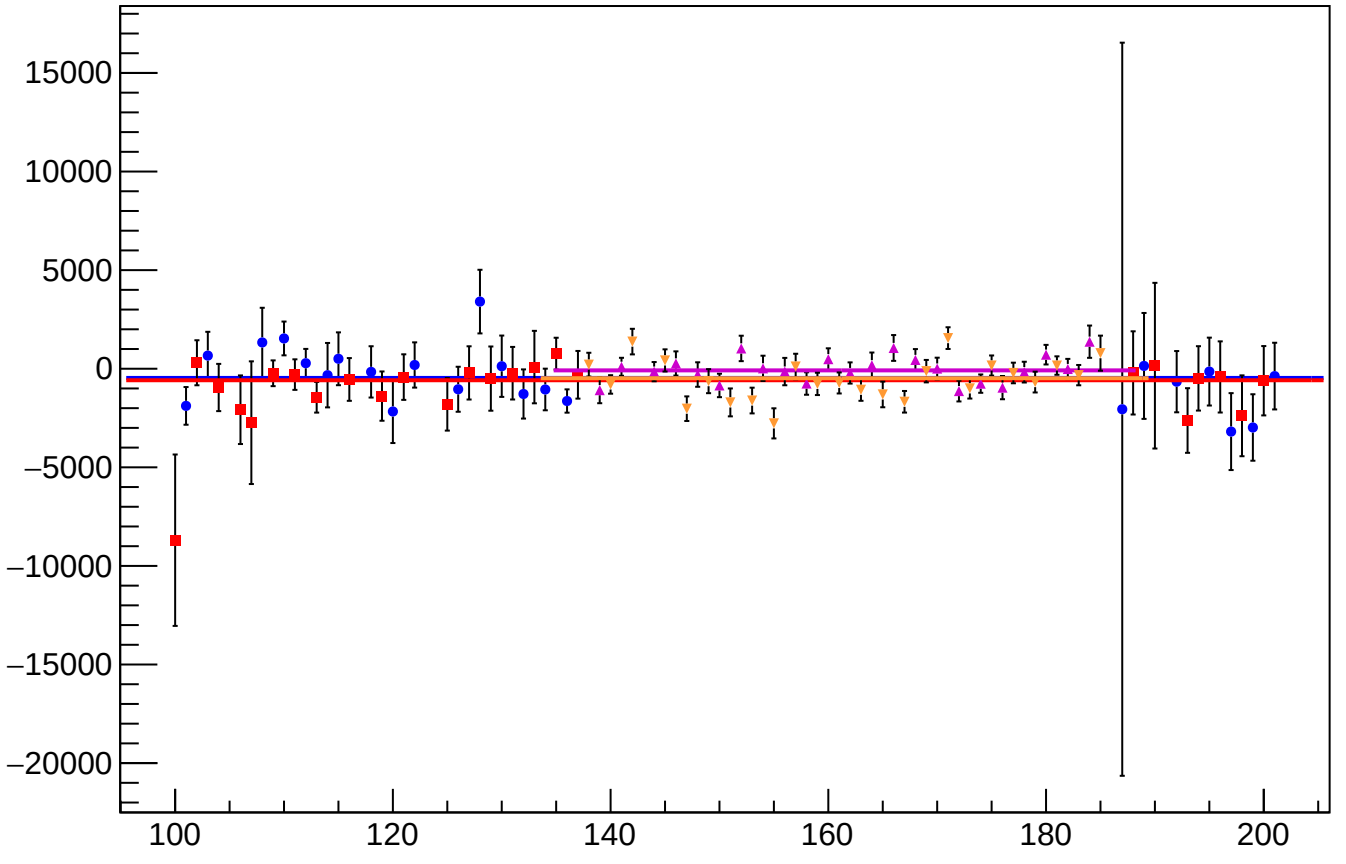
Right Out: 784.336+/-0.153 χ^2/NDF: 353987.3/25

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

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

All: 776.872+/-0.070 χ^2/NDF: 459338.1/95

- sign 778.827+/-0.098 χ^2/NDF: 359326.5/48



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: -583.614+/-247.524 χ^2/NDF: 13.9/24

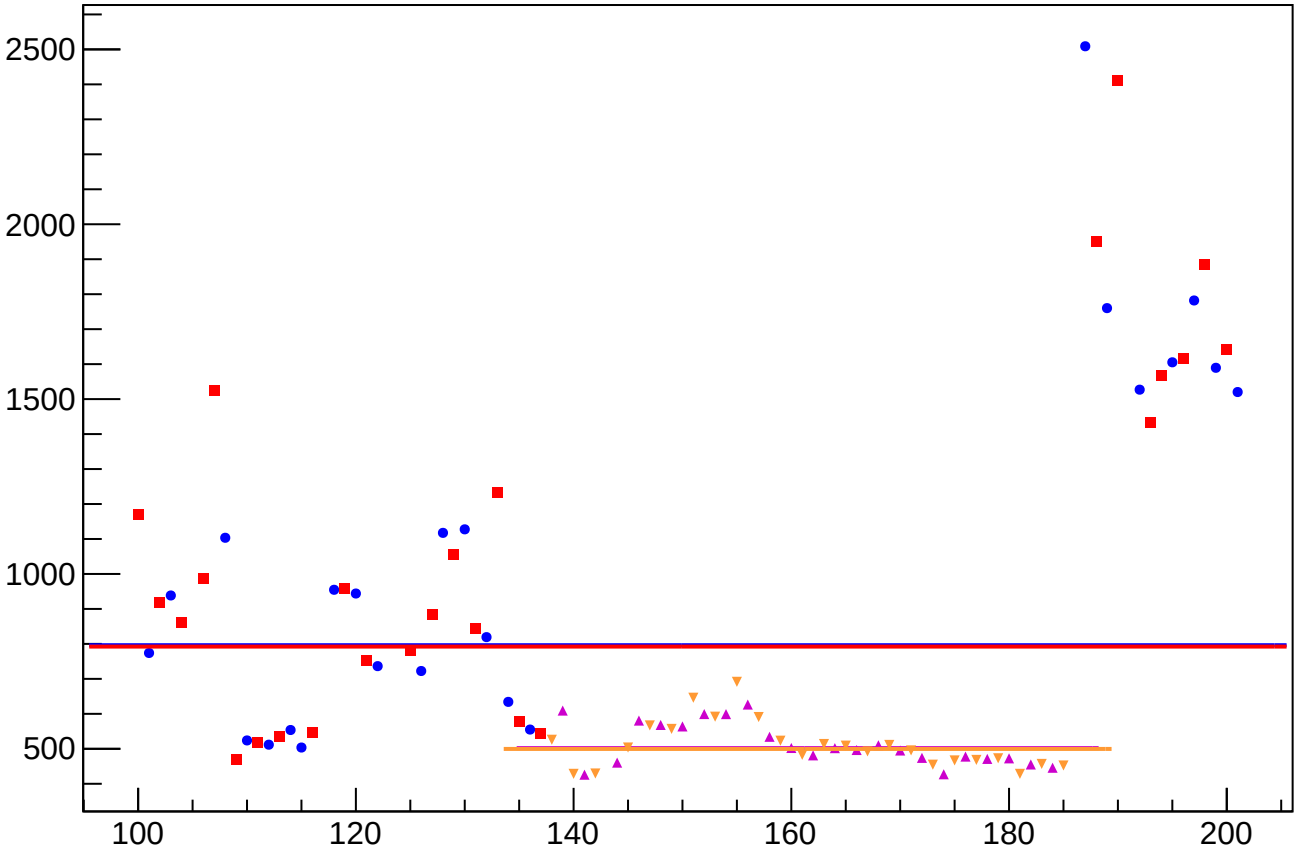
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

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

All: -328.192+/-75.225 χ^2/NDF: 140.8/94

- sign -176.112+/-106.658 χ^2/NDF: 45.4/47

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: 792.326+/-0.175 χ^2/NDF: 4803707.4/24

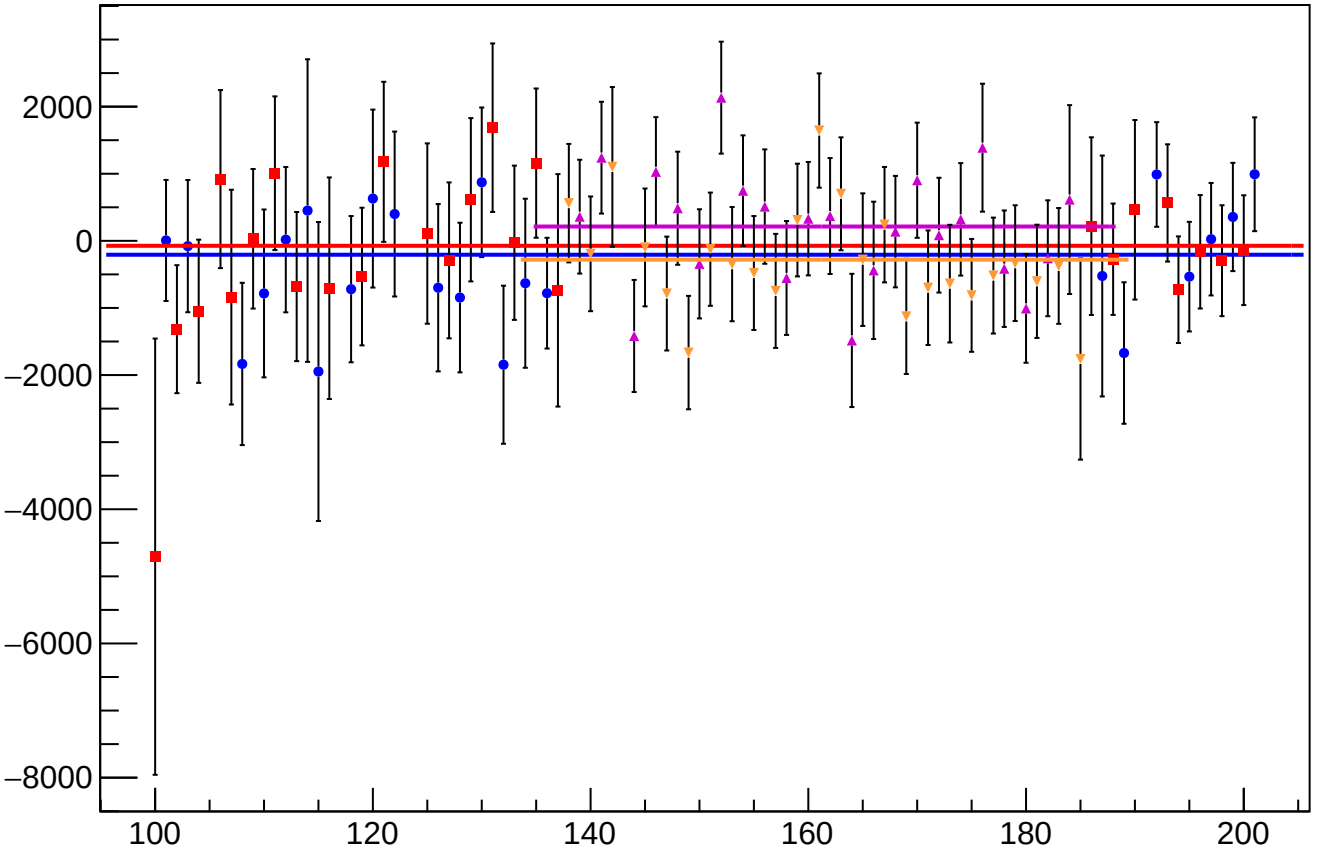
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

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

All: 554.301+/-0.053 χ^2/NDF: 14153945.2/94

- sign 555.928+/-0.075 χ^2/NDF: 7511354.8/47

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: -73.636+/-213.774 χ^2/NDF: 13.3/25

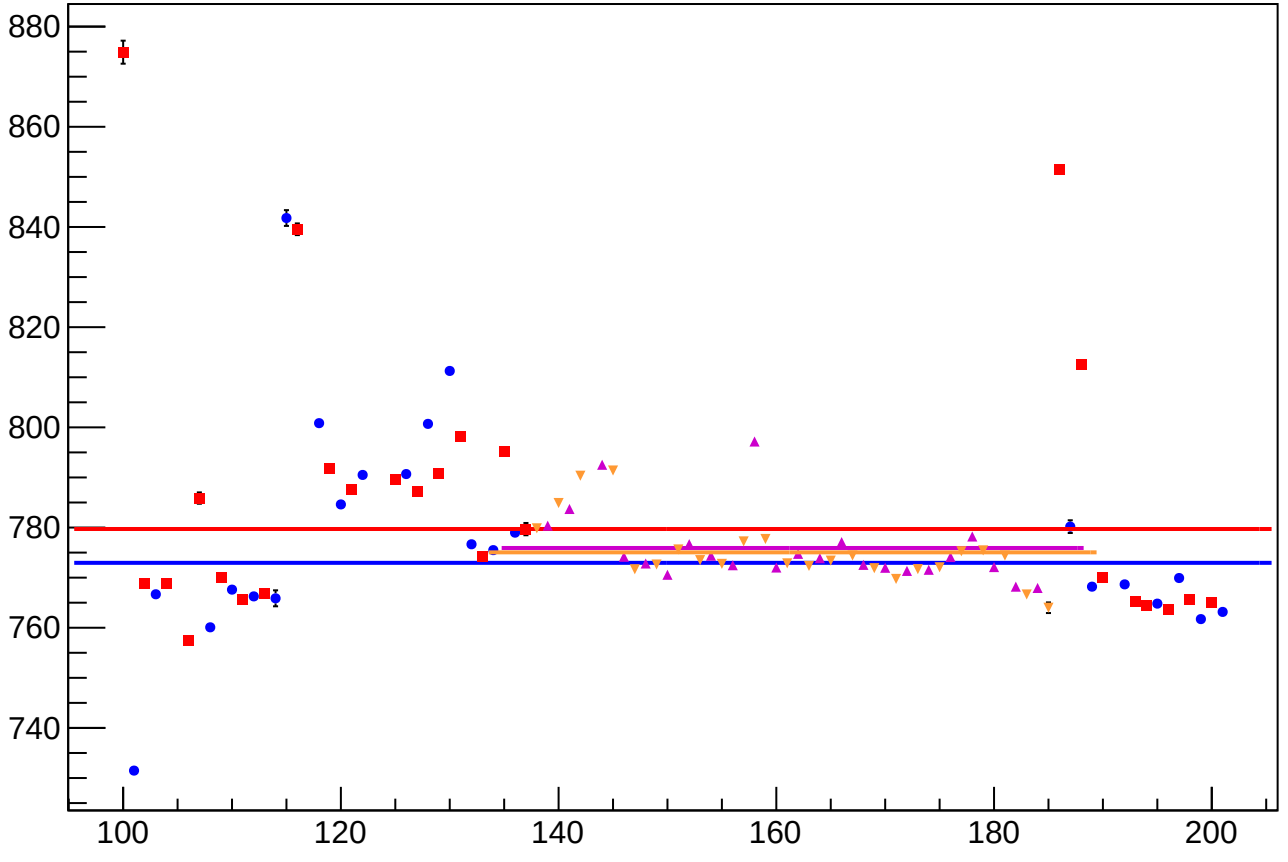
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -77.487+/-98.088 χ^2/NDF: 70.6/95

- sign 93.434+/-138.211 χ^2/NDF: 36.7/48

eigen_cor_asym_us_dd_rms vs Slug



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

Right Out: 779.713+/-0.151 χ^2/NDF: 20104.3/25

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

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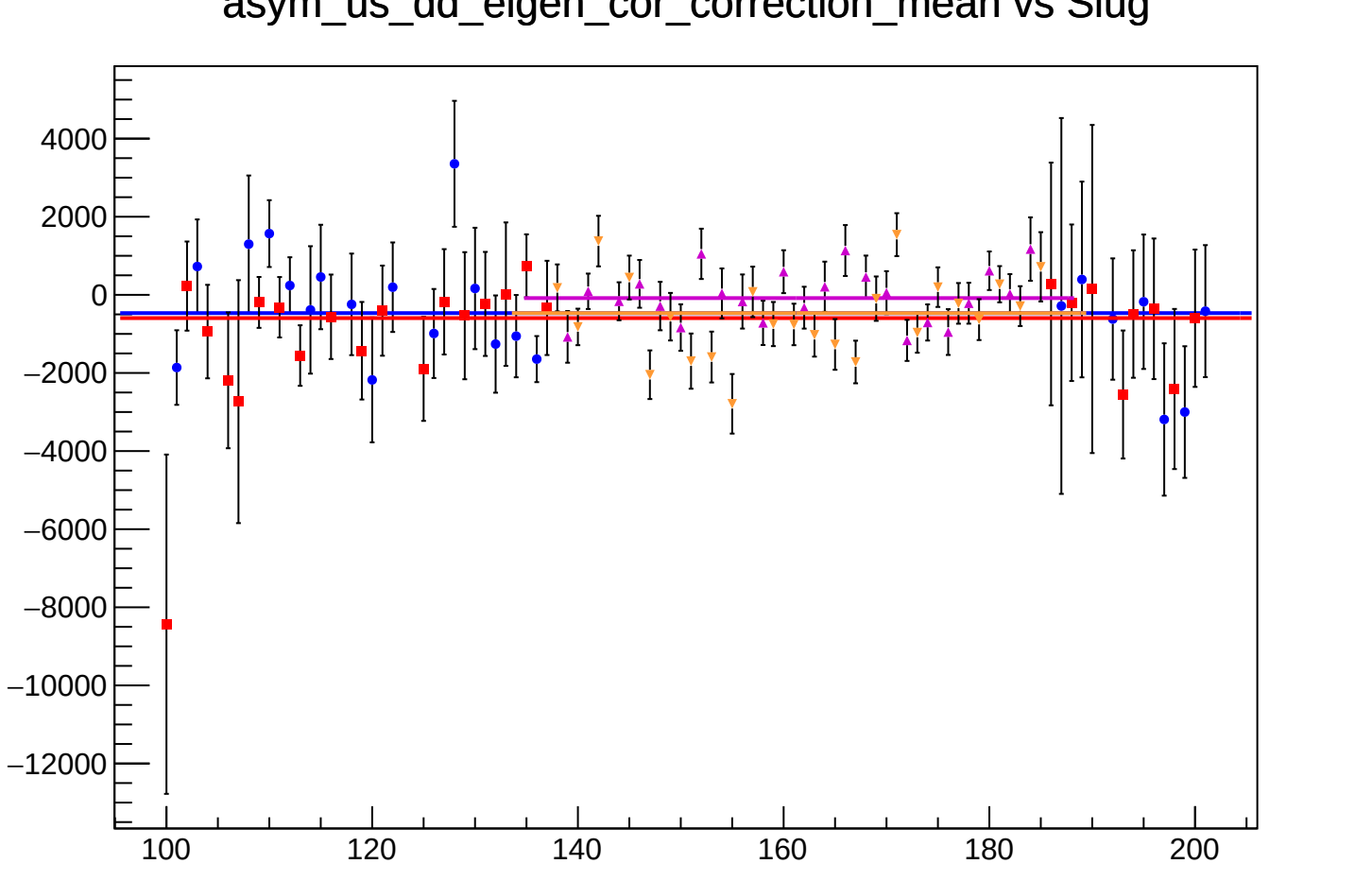
All: 775.871+/-0.069 χ^2/NDF: 39669.5/95

- sign 777.506+/-0.098 χ^2/NDF: 23443.3/48



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

Right Out: -595.459+/-246.222 χ^2/NDF: 14.1/25

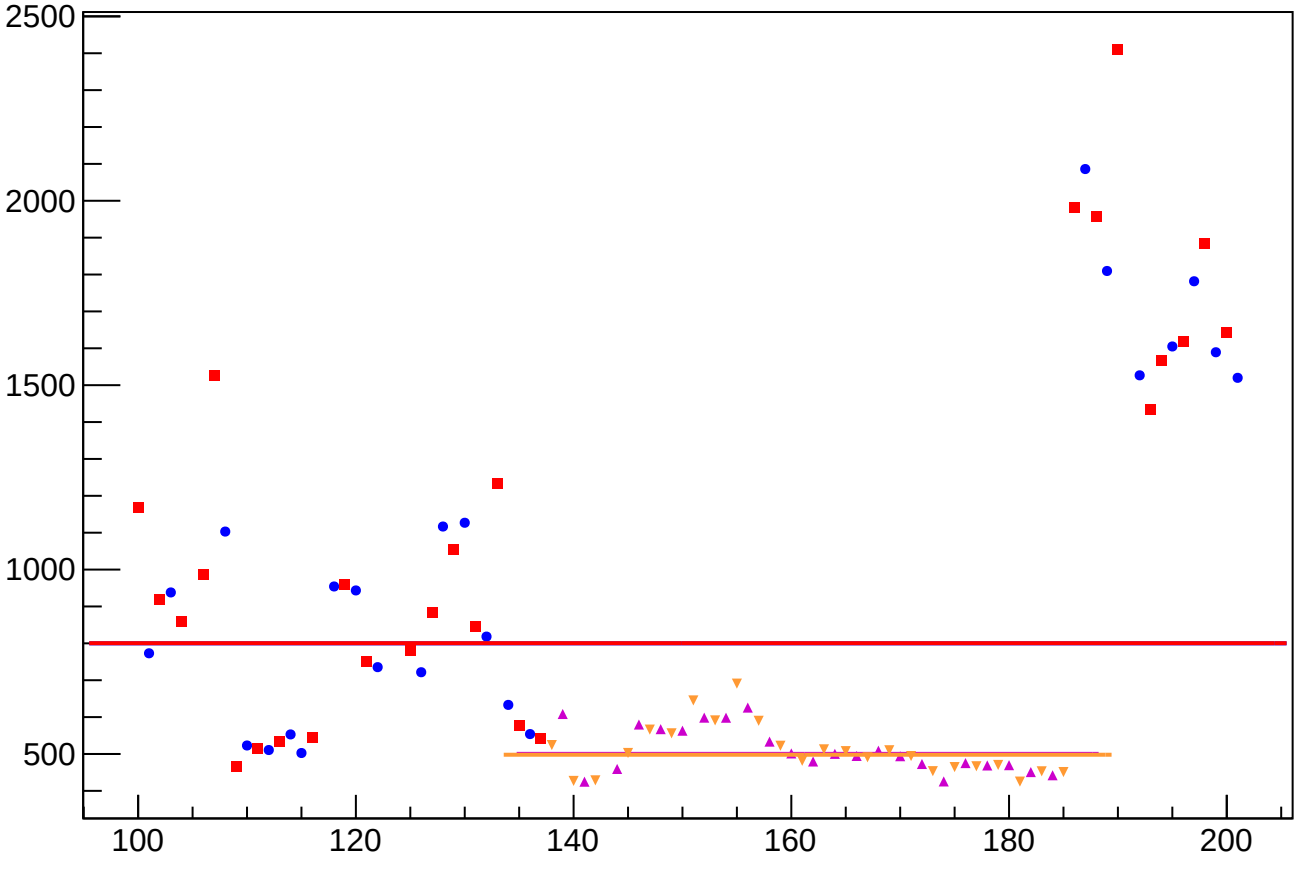
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -323.571+/-74.966 χ^2/NDF: 141.7/95

- sign -178.587+/-106.270 χ^2/NDF: 45.7/48

asym_us_dd_eigen_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: 800.421+/-0.174 χ^2/NDF: 5186722.7/25

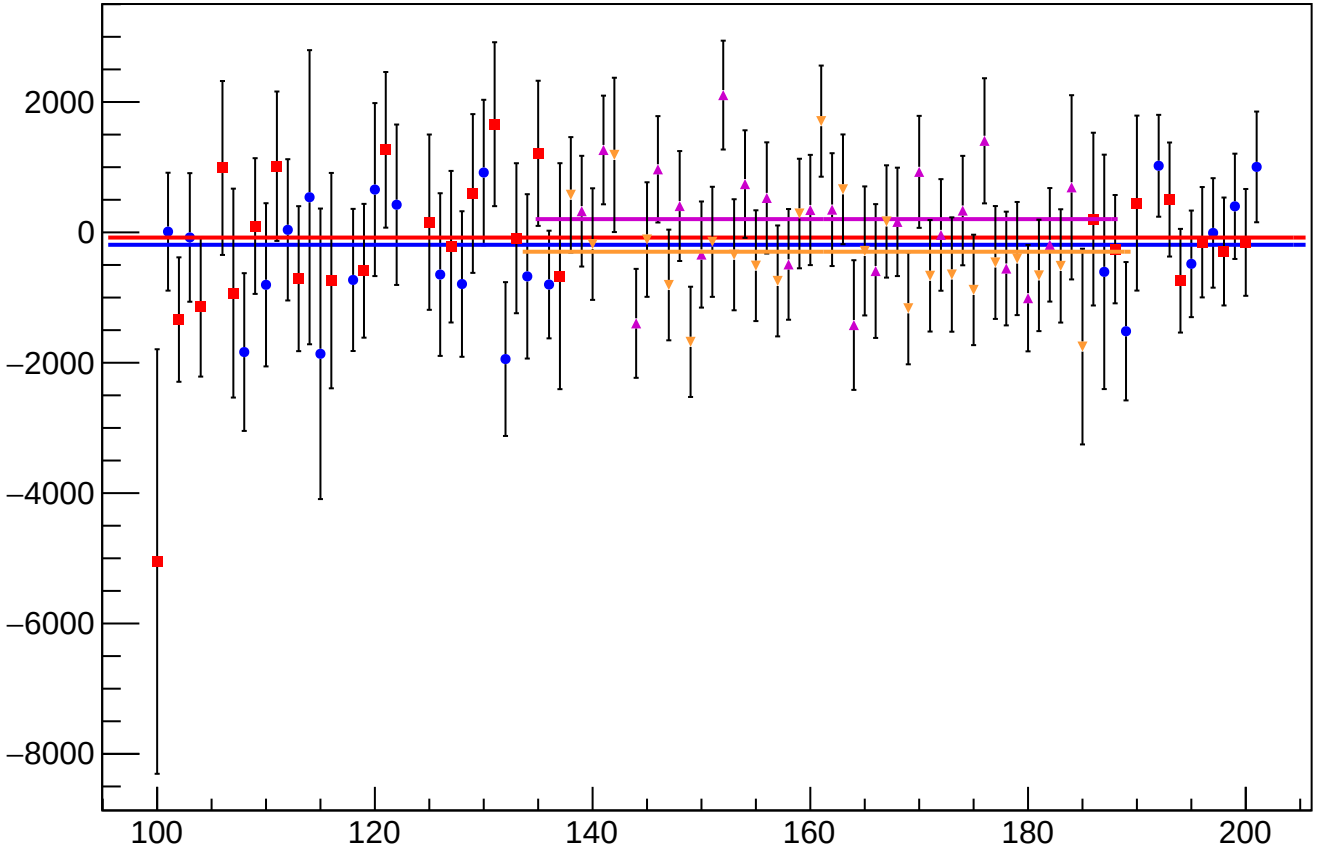
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 554.067+/-0.053 χ^2/NDF: 15041368.4/95

- sign 556.213+/-0.075 χ^2/NDF: 8081933.9/48

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: -79.520+/-214.026 χ^2/NDF: 14.1/25

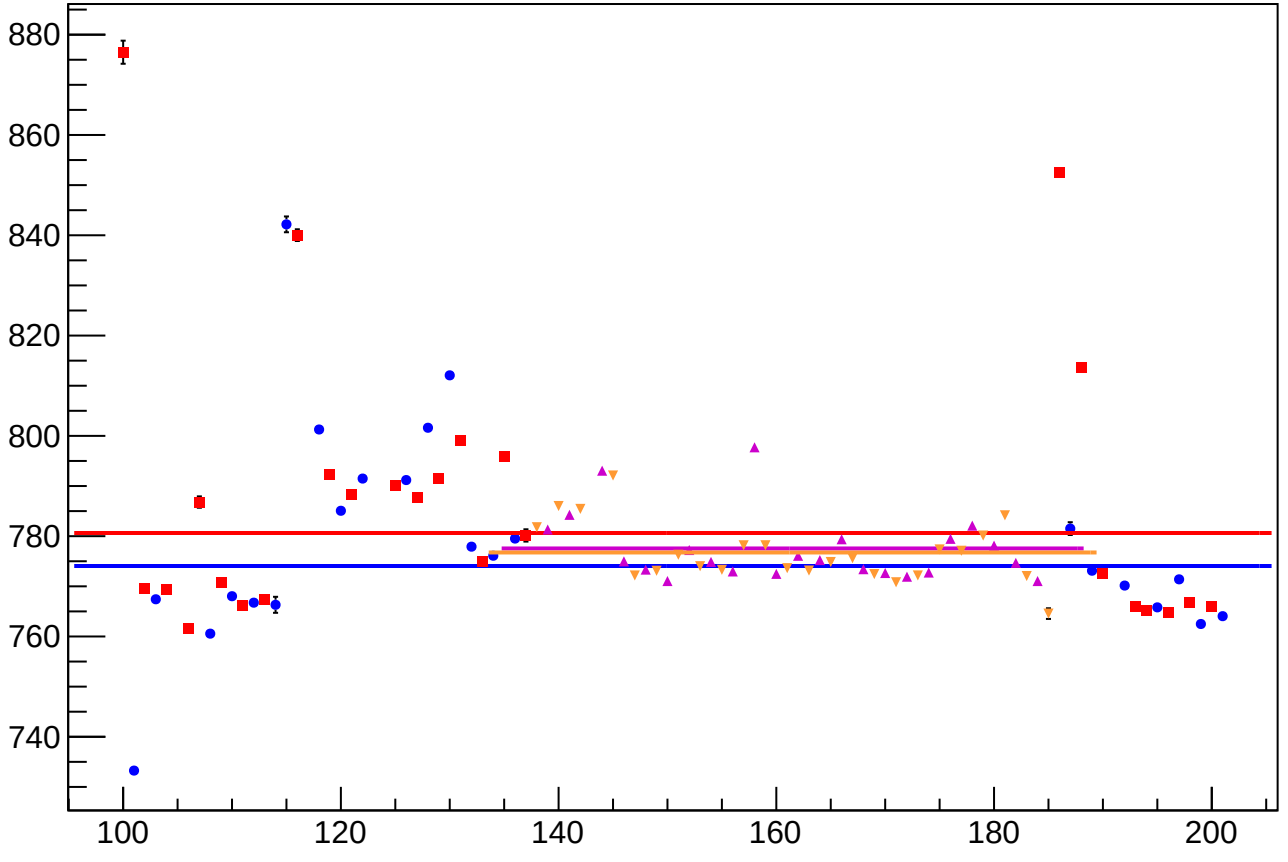
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

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

All: -83.299+/-98.266 χ^2/NDF: 71.8/95

- sign 84.978+/-138.448 χ^2/NDF: 37.2/48

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: 780.636+/-0.151 χ^2/NDF: 19896.1/25

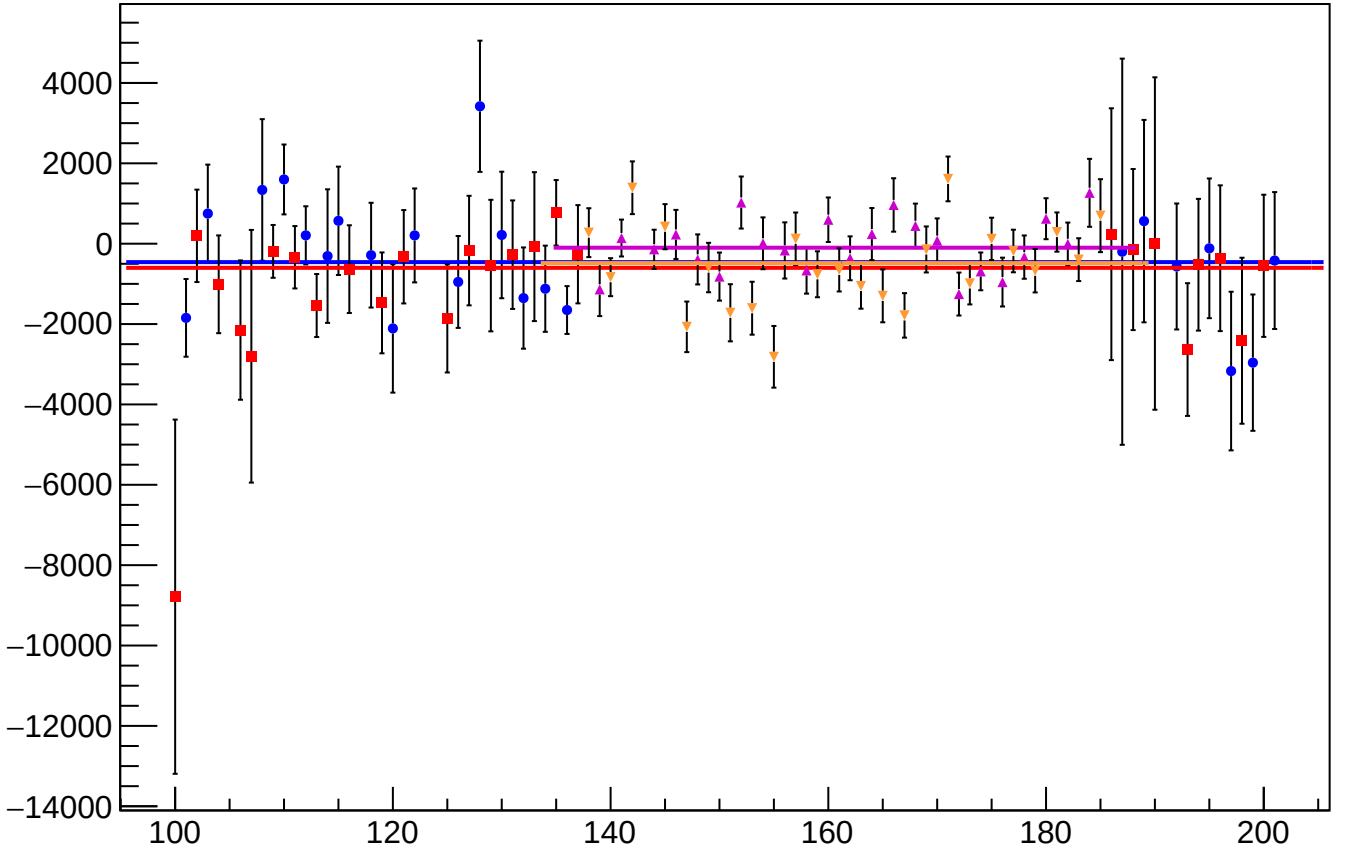
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

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

All: 777.267+/-0.069 χ^2/NDF: 38671.5/95

- sign 778.841+/-0.098 χ^2/NDF: 22888.7/48

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: -600.588+/-248.325 χ^2/NDF: 14.3/25

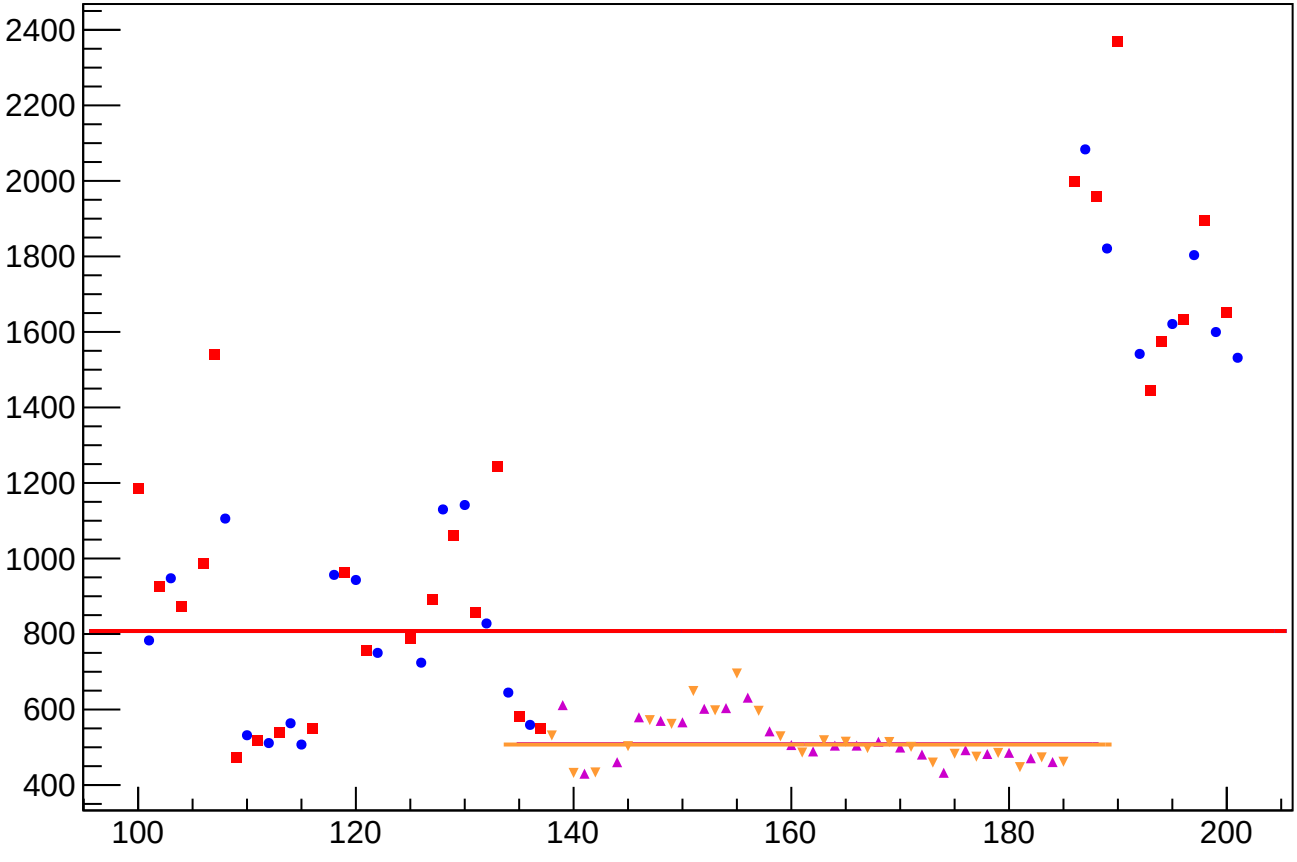
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

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

All: -336.846+/-76.125 χ^2/NDF: 141.3/95

- sign -194.341+/-107.810 χ^2/NDF: 45.0/48

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: 807.945+/-0.176 χ^2/NDF: 5156118.8/25

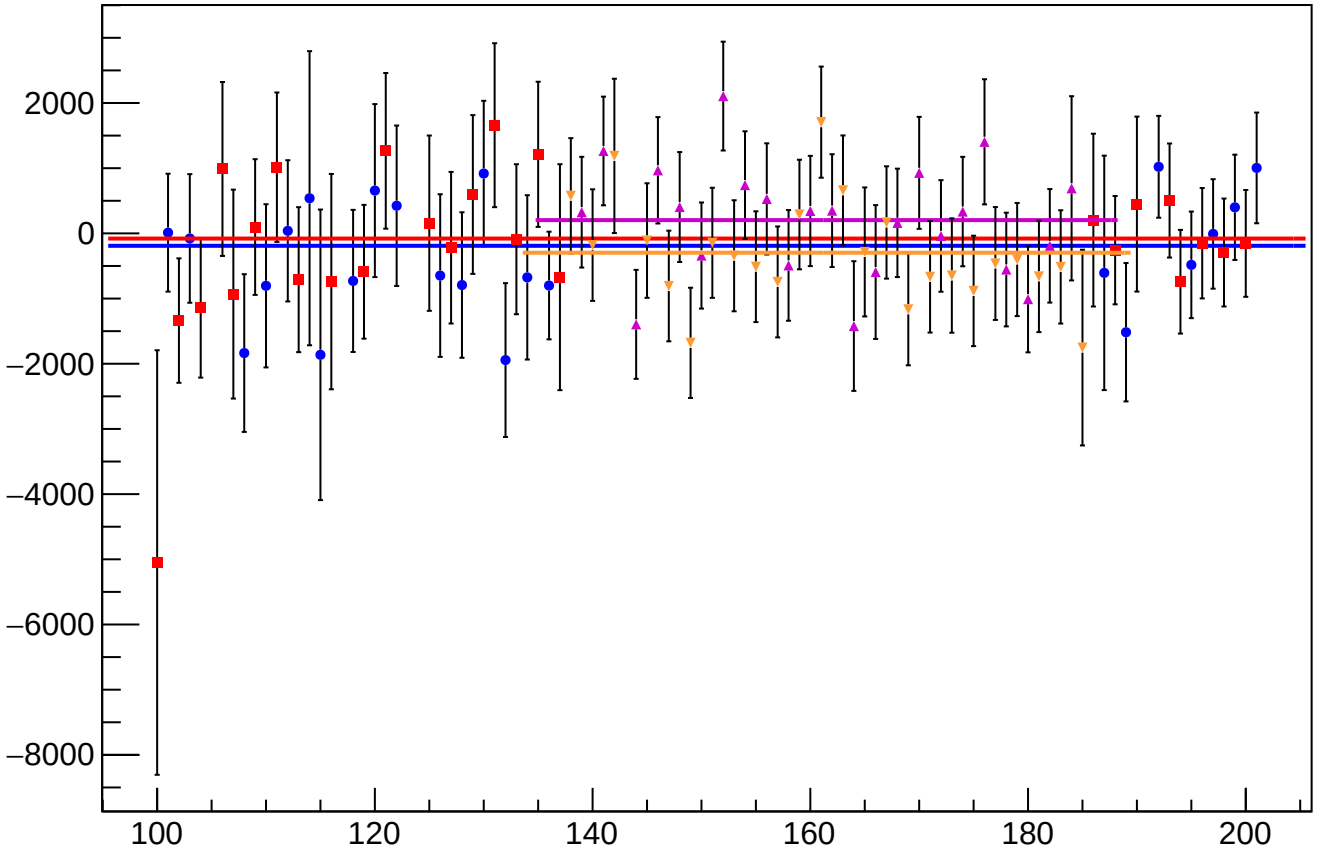
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

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

All: 563.409+/-0.054 χ^2/NDF: 14771598.2/95

- sign 565.053+/-0.076 χ^2/NDF: 7946430.1/48

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: -79.519+/-214.026 χ^2/NDF: 14.1/25

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

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

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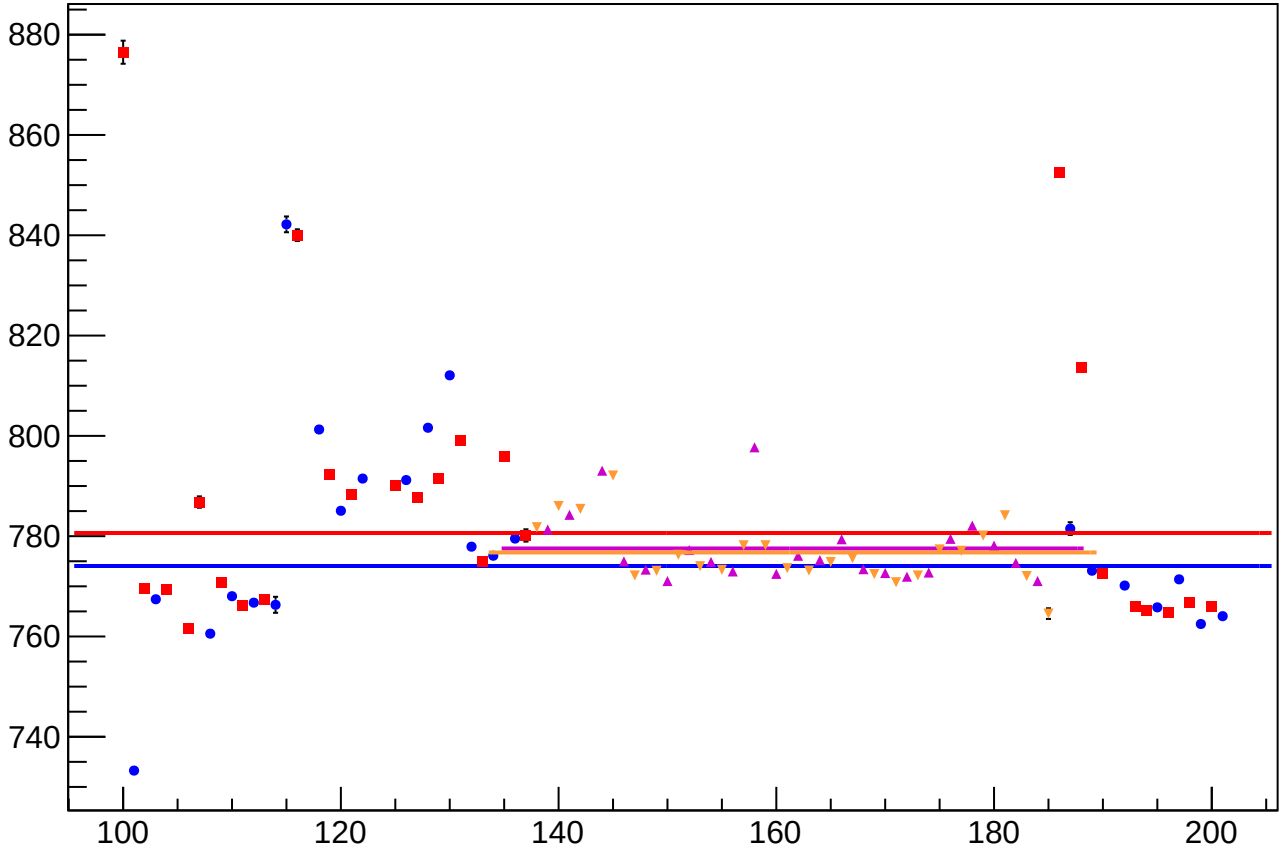
eigen_dit_asym_us_dd_rms vs Slug



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

Right Out: 780.636+/-0.151 χ^2/NDF: 19896.1/25

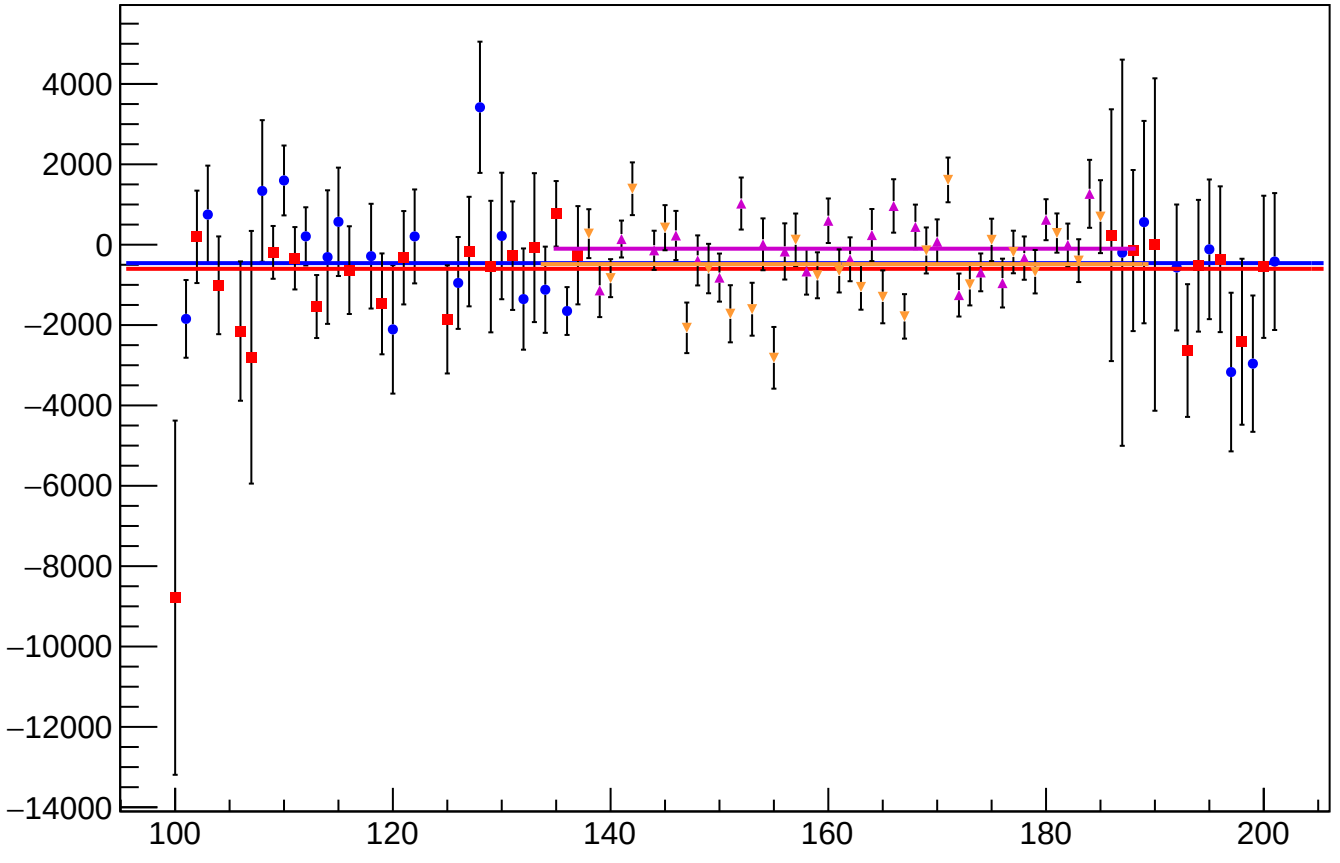
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

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

All: 777.267+/-0.069 χ^2/NDF: 38671.5/95

- sign 778.841+/-0.098 χ^2/NDF: 22888.7/48

asym_us_dd_eigen_dit_correction_mean vs Slug



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: -600.587+/-248.324 χ^2/NDF: 14.3/25

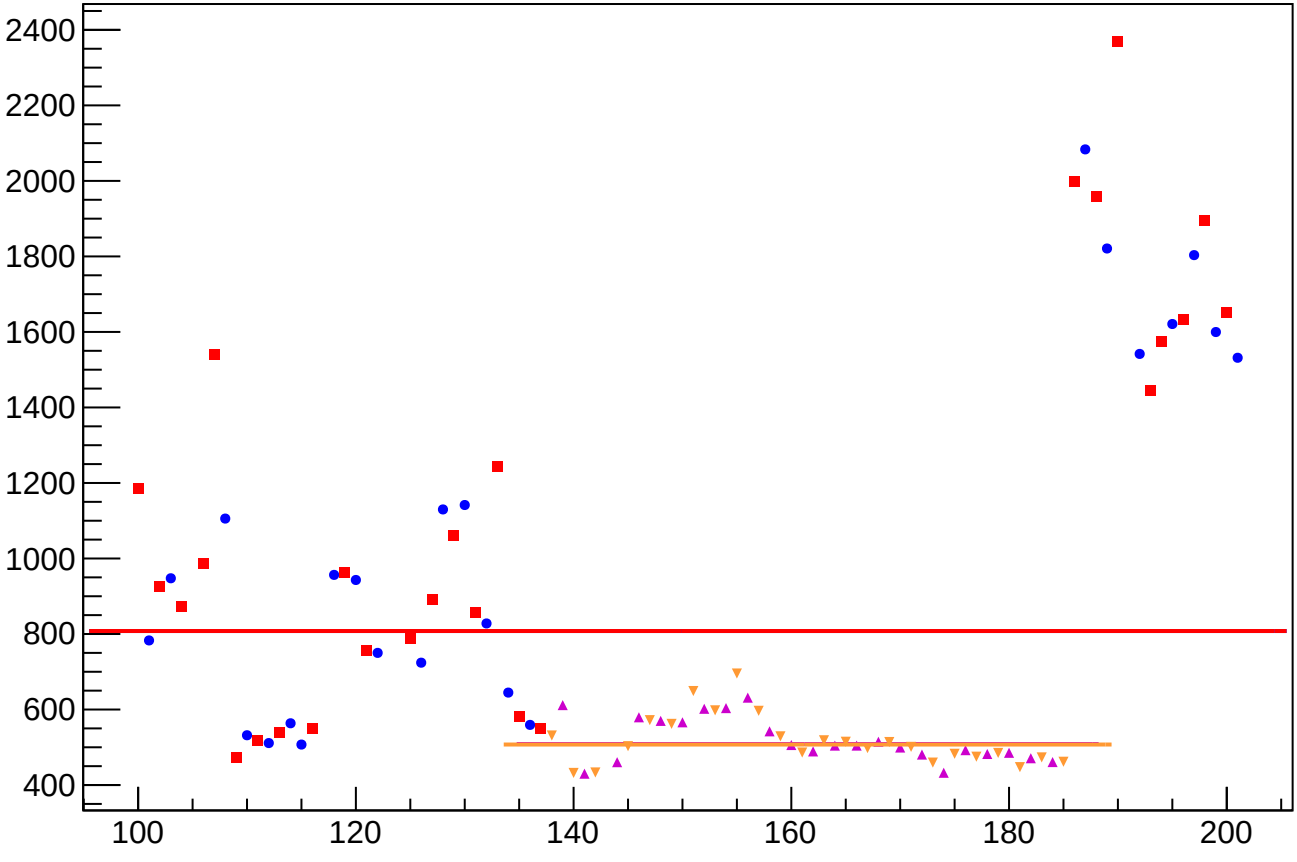
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

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

All: -336.846+/-76.125 χ^2/NDF: 141.3/95

- sign -194.341+/-107.810 χ^2/NDF: 45.0/48

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: 807.942+/-0.176 χ^2/NDF: 5156164.1/25

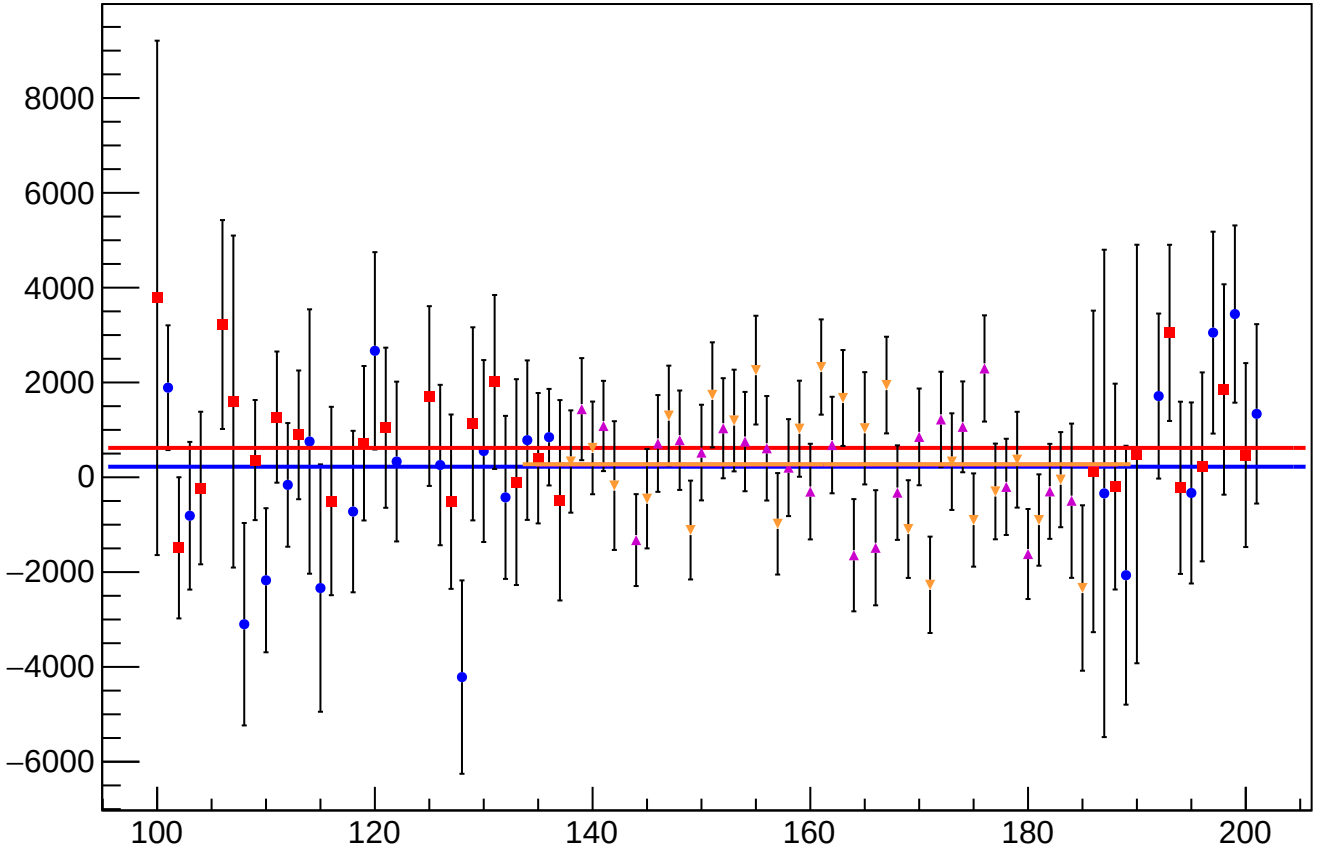
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

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

All: 563.409+/-0.054 χ^2/NDF: 14771612.4/95

- sign 565.052+/-0.076 χ^2/NDF: 7946445.4/48

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: 619.889+/-363.522 χ^2/NDF: 9.0/25

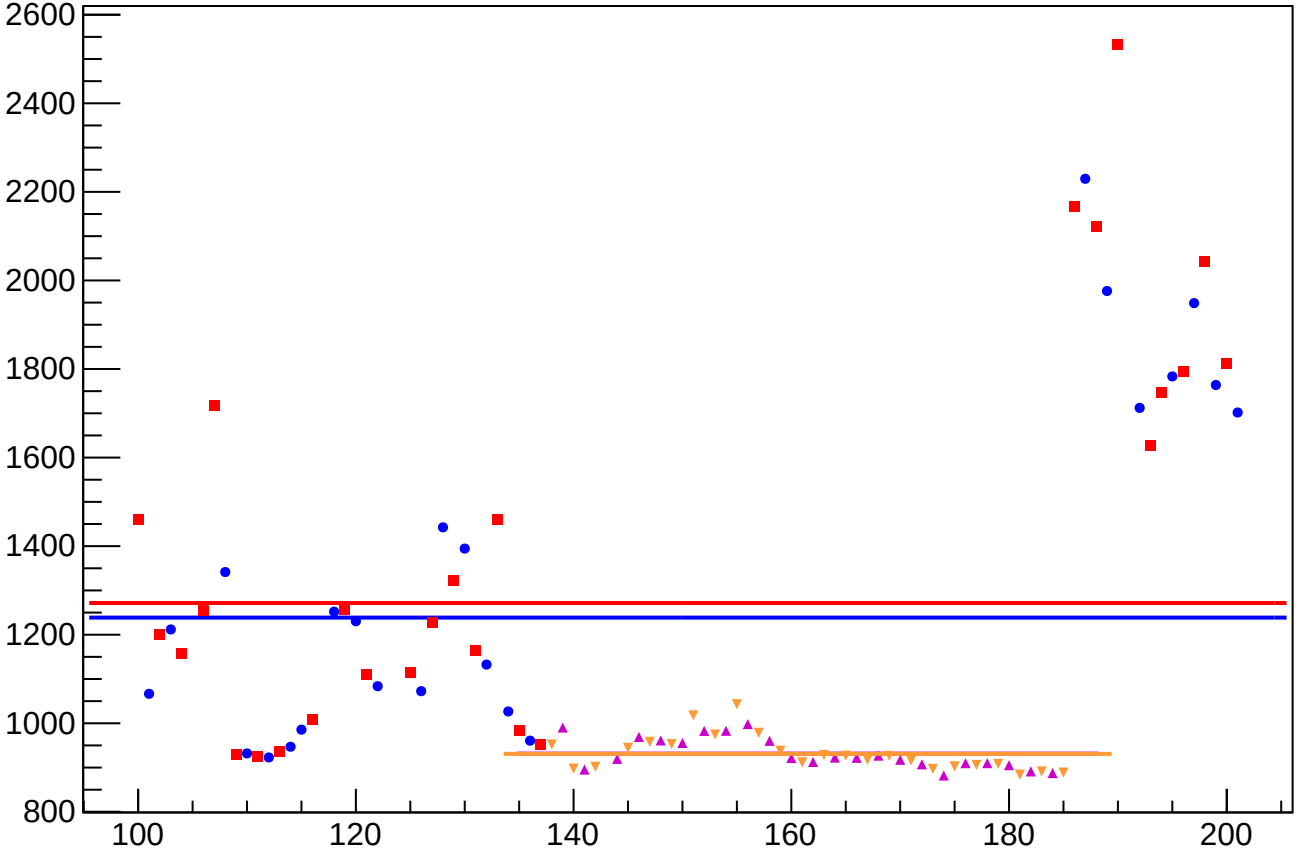
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

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

All: 310.681+/-131.809 χ^2/NDF: 86.6/95

- sign 360.186+/-186.760 χ^2/NDF: 31.0/48

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

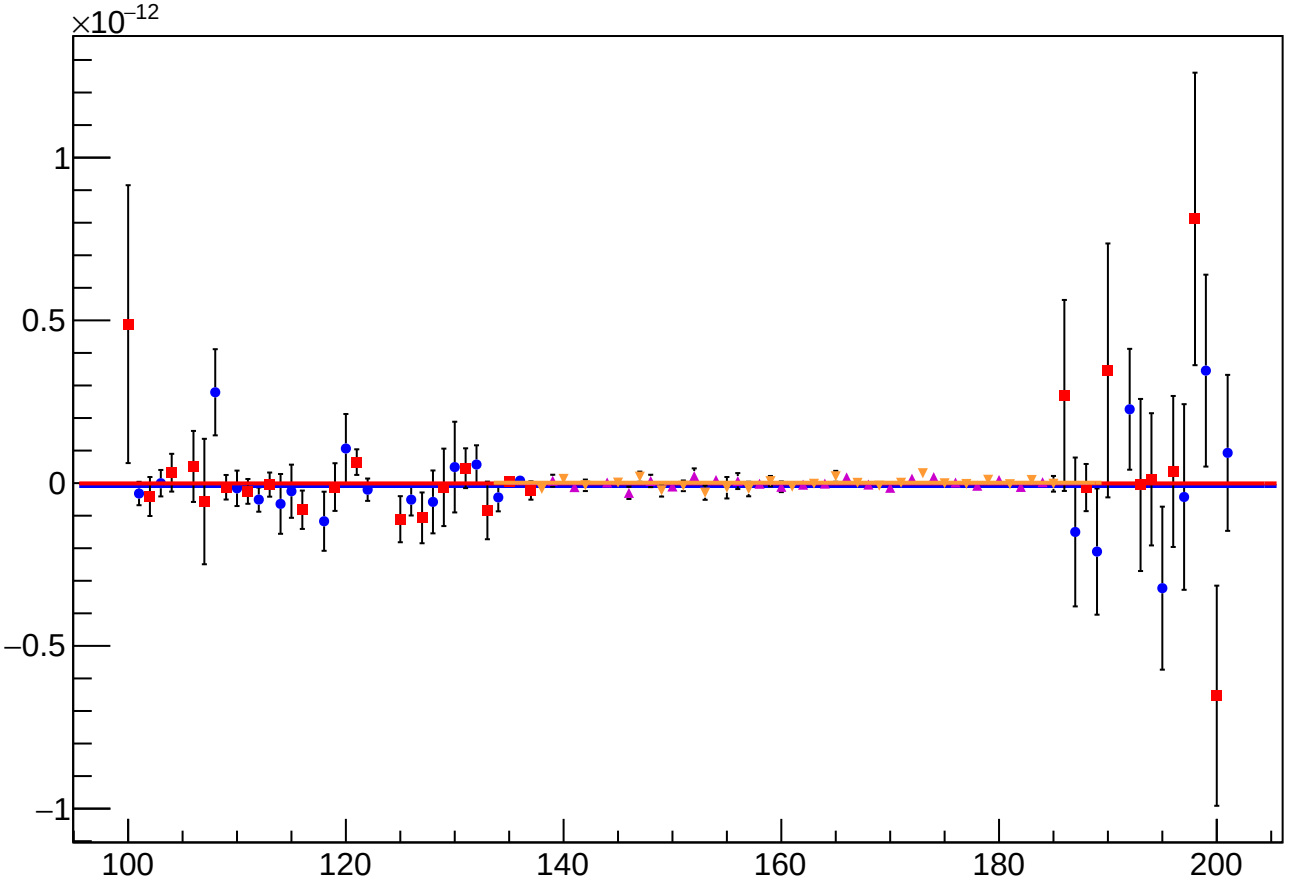
Right Out: 1271.647+/-0.257 χ^2/NDF: 2022704.7/25

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

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

All: 1016.116+/-0.093 χ^2/NDF: 6045575.3/95

- sign 1021.325+/-0.132 χ^2/NDF: 3360032.5/48



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

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

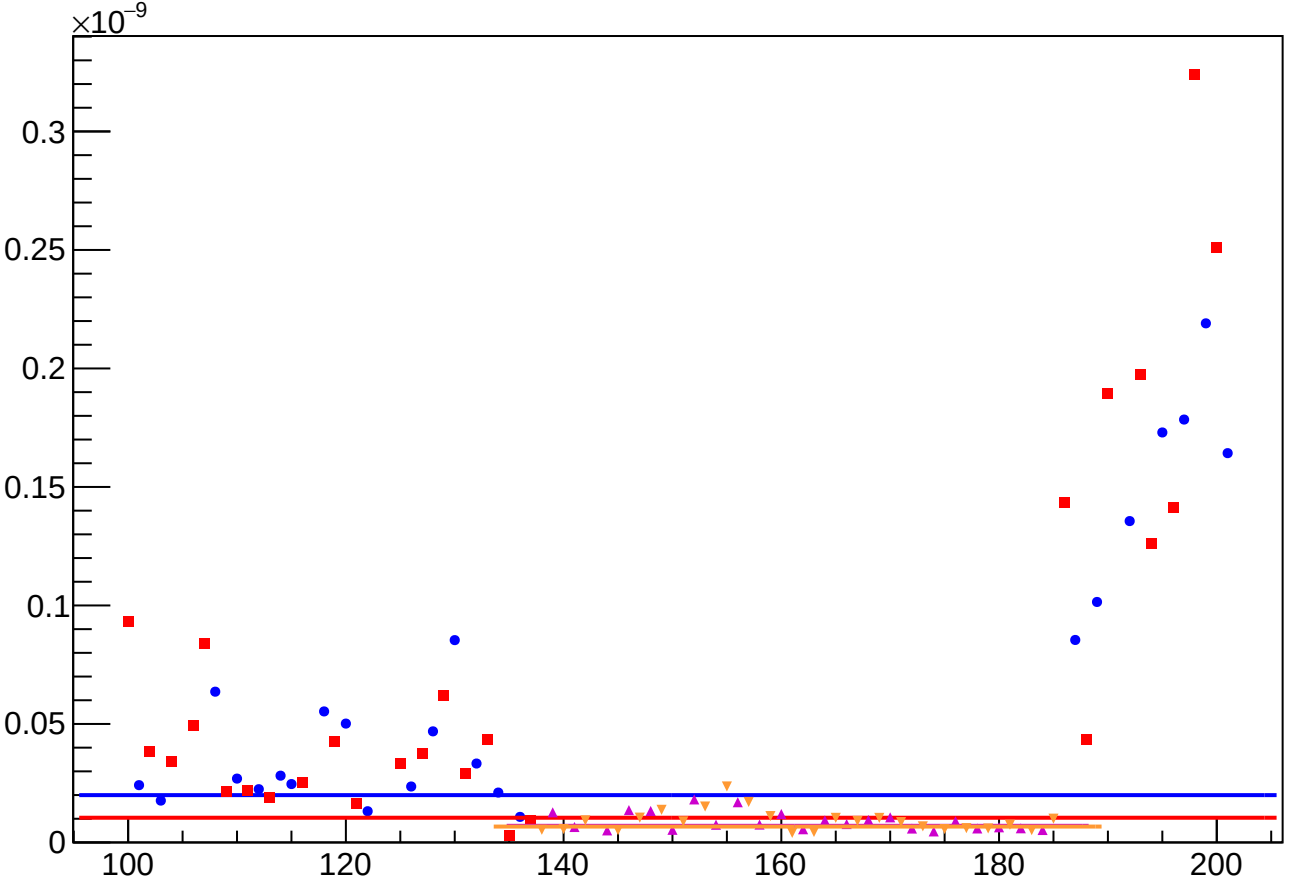
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/25

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: 91.9/95

- sign 0.000+/-0.000 χ^2/NDF: 45.1/48



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: 10702901.1/25

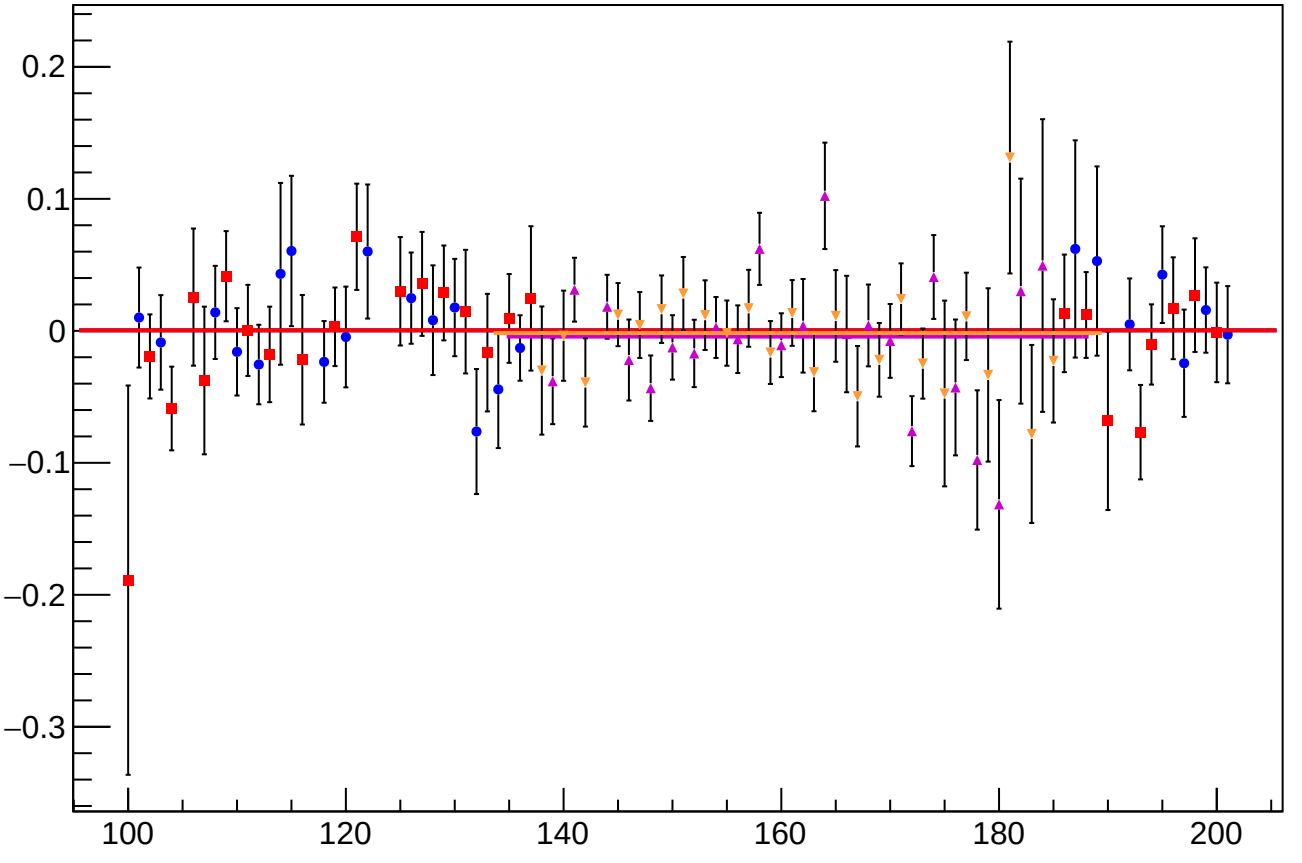
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

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

All: 0.000+/-0.000 χ^2/NDF: 26311734.1/95

- sign 0.000+/-0.000 χ^2/NDF: 13548445.5/48

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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: 0.000+/-0.008 χ^2/NDF: 20.3/25

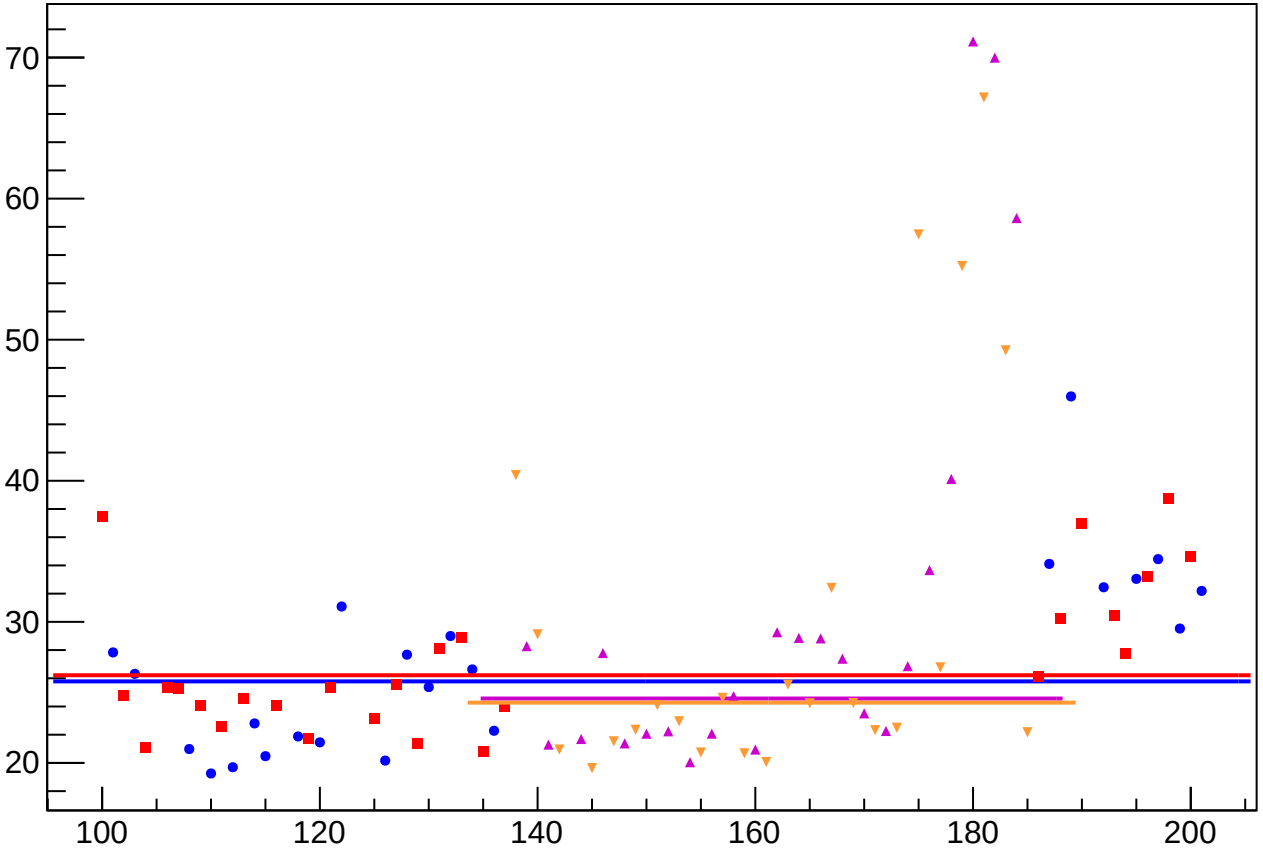
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.003 χ^2/NDF: 84.2/95

- sign -0.002+/-0.005 χ^2/NDF: 57.0/48

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

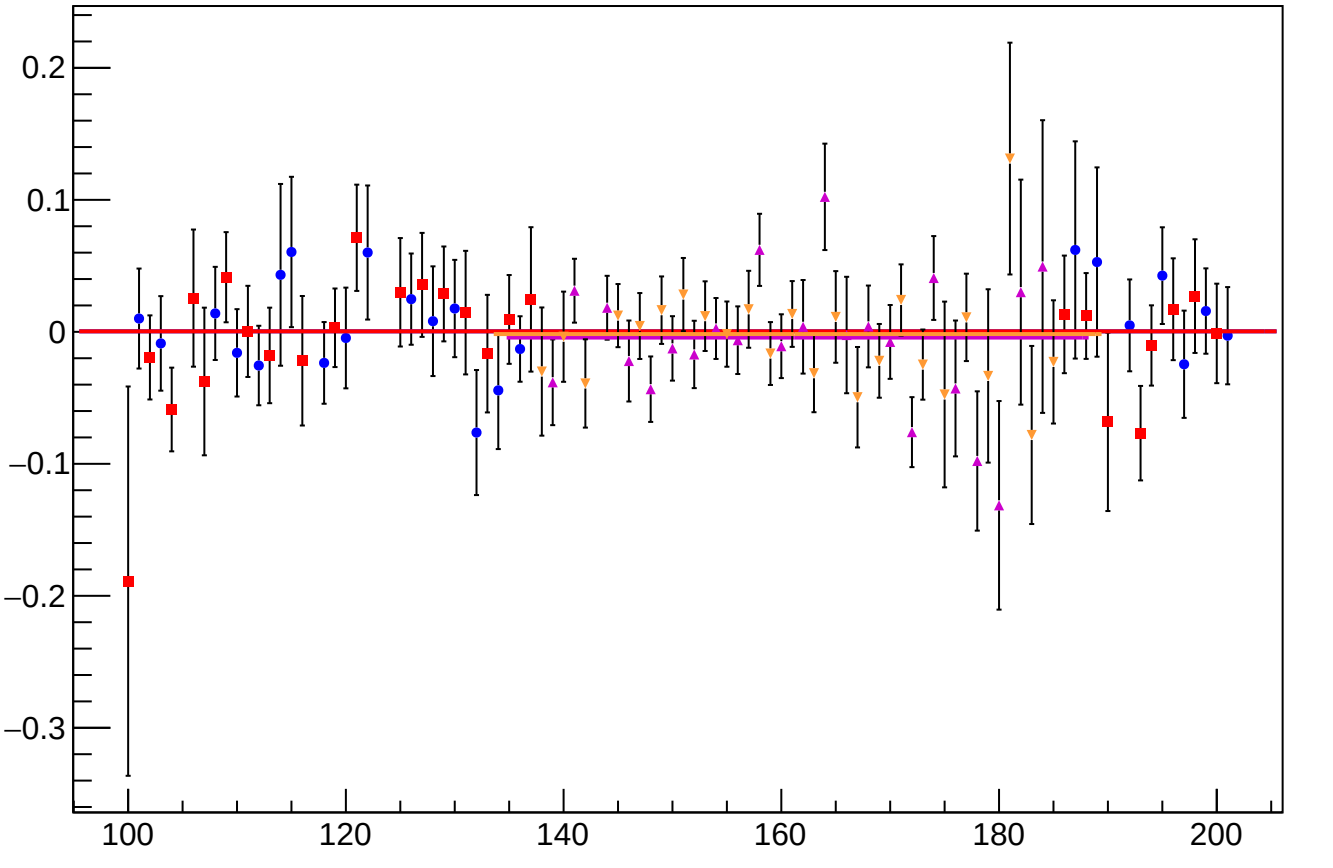
Right Out: 26.215+/-0.005 χ^2/NDF: 717596.3/25

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

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

All: 25.052+/-0.002 χ^2/NDF: 6185328.5/95

- sign 25.240+/-0.003 χ^2/NDF: 2905115.1/48



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: 0.000+/-0.008 χ^2/NDF: 20.3/25

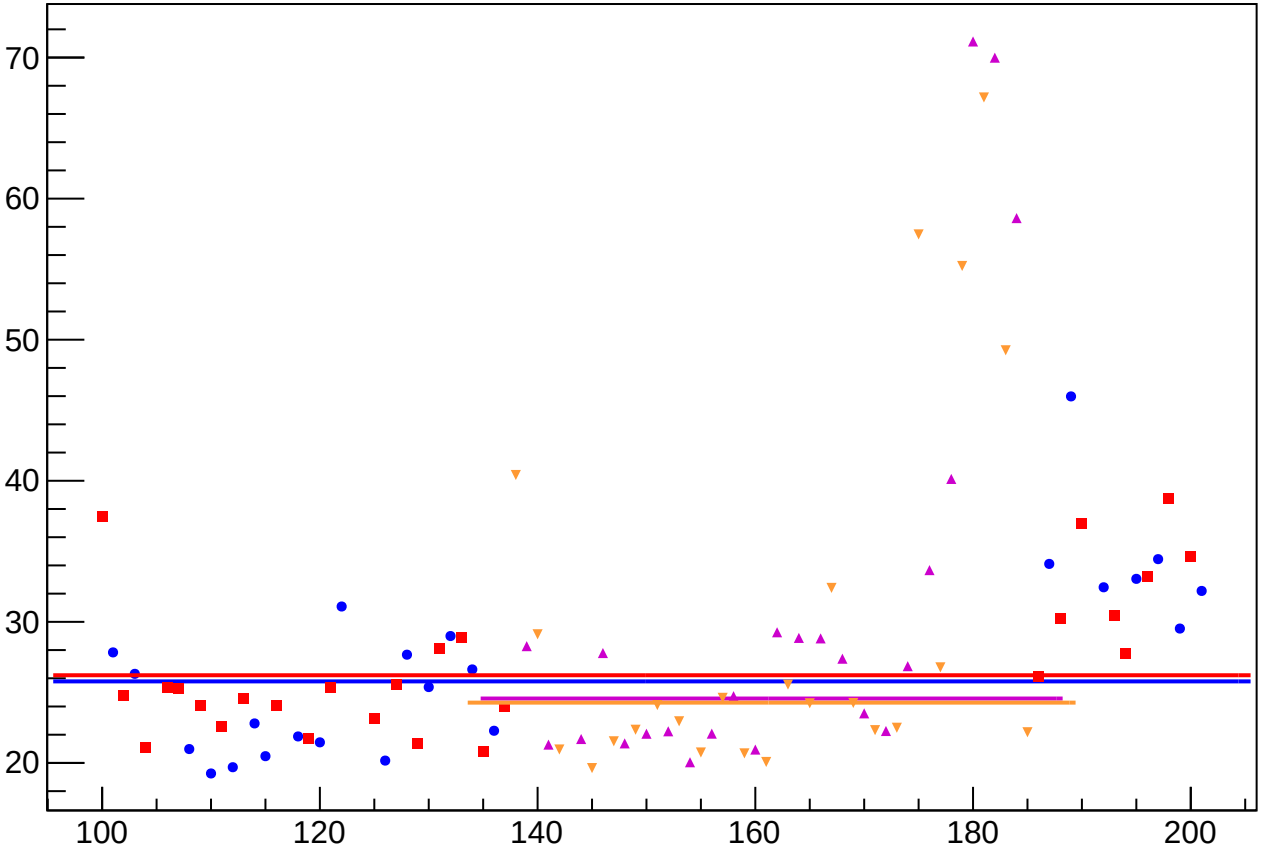
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.003 χ^2/NDF: 84.2/95

- sign -0.002+/-0.005 χ^2/NDF: 57.0/48

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: 26.215+/-0.005 χ^2/NDF: 717596.3/25

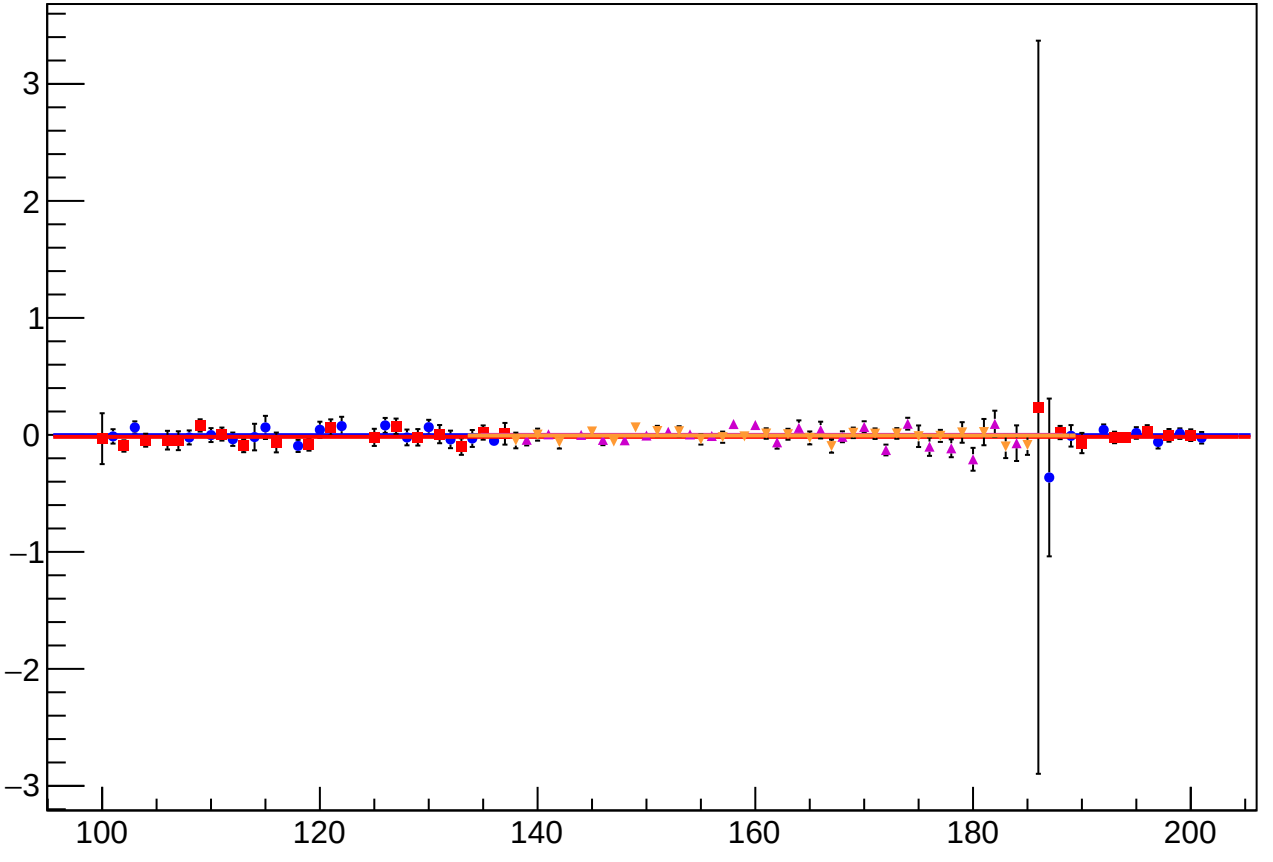
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

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

All: 25.052+/-0.002 χ^2/NDF: 6185328.5/95

- sign 25.240+/-0.003 χ^2/NDF: 2905115.1/48

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: -0.017+/-0.012 χ^2/NDF: 17.5/25

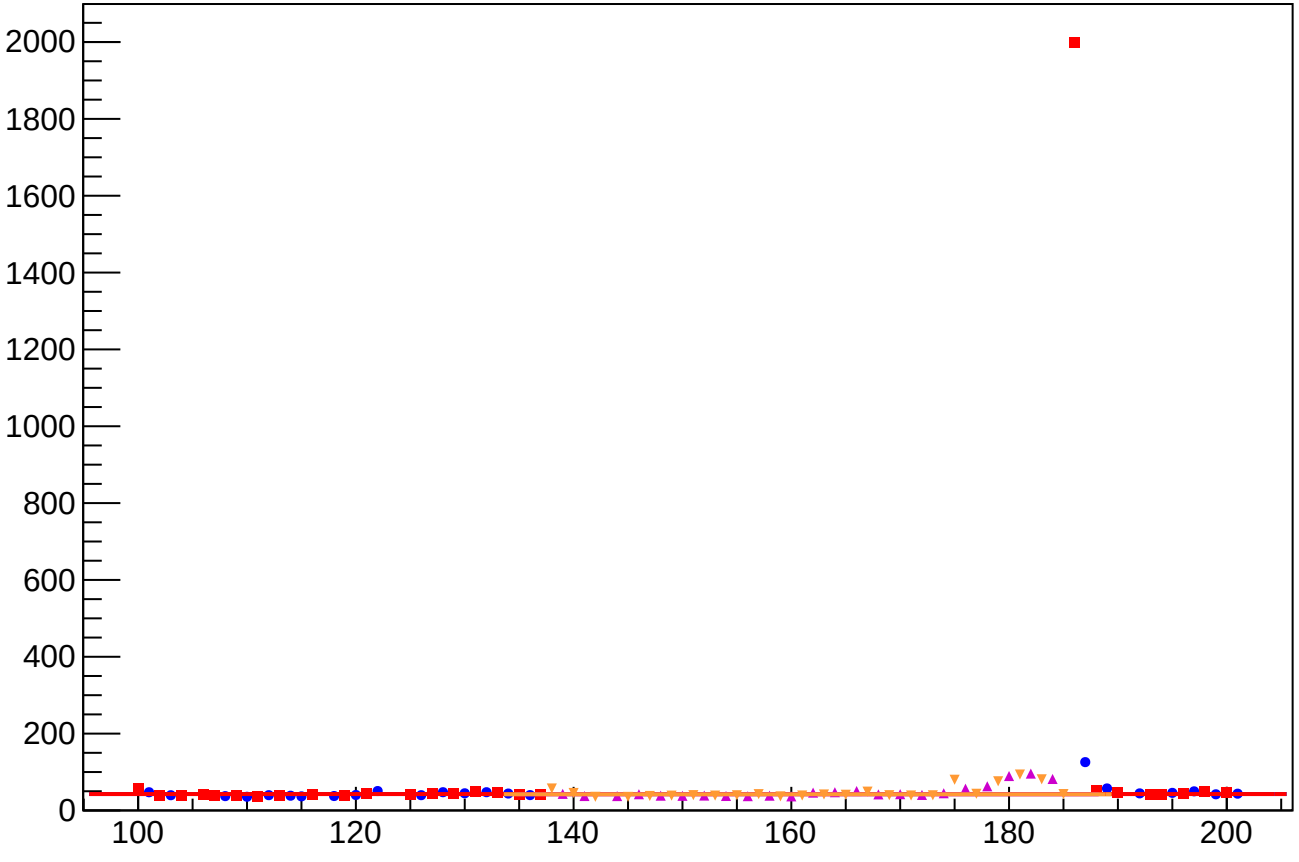
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

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

All: -0.006+/-0.006 χ^2/NDF: 84.9/95

- sign -0.007+/-0.008 χ^2/NDF: 56.5/48

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

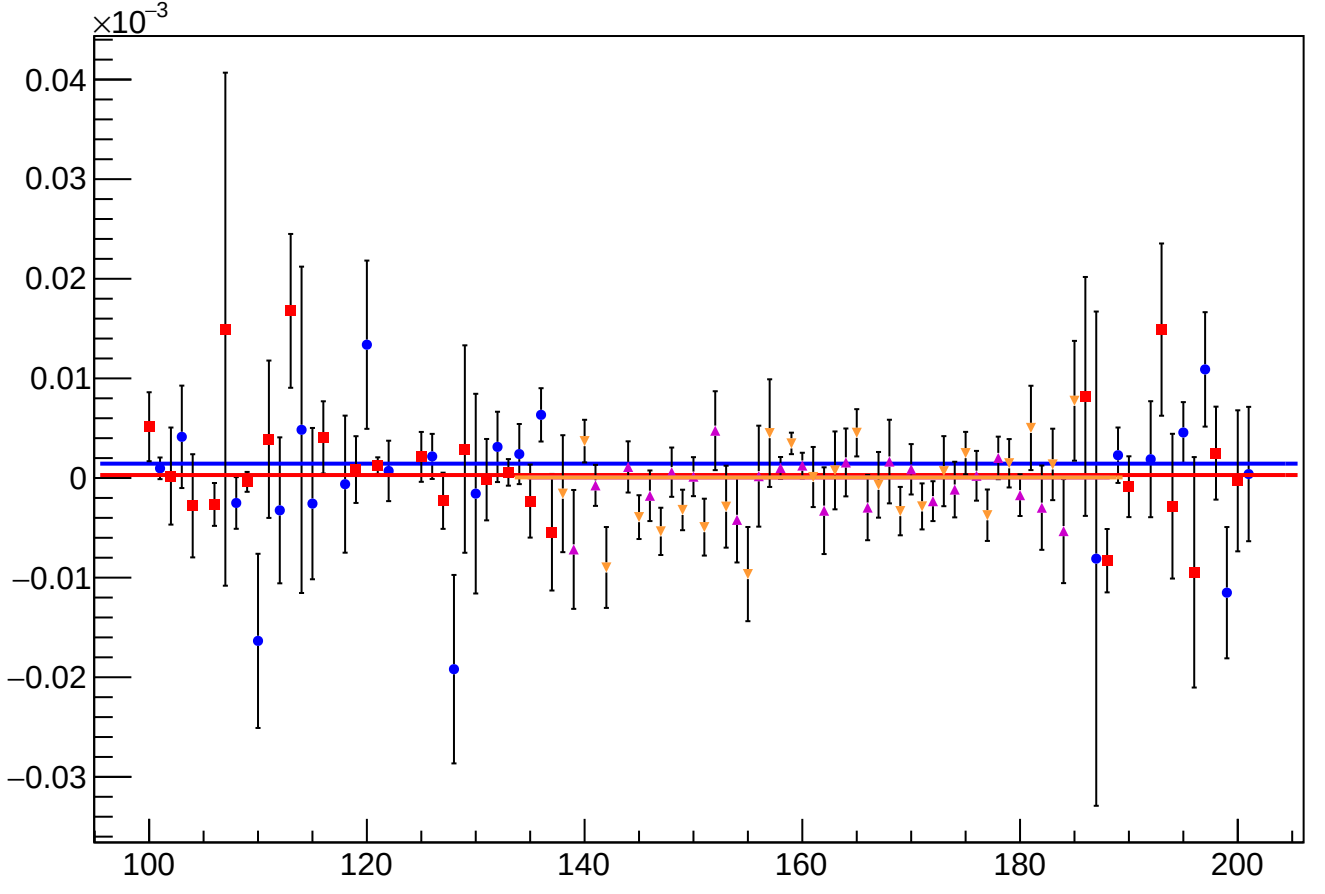
Right Out: 42.697+/-0.009 χ^2/NDF: 1002703.9/25

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

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

All: 42.351+/-0.004 χ^2/NDF: 4545869.9/95

- sign 42.338+/-0.006 χ^2/NDF: 2549188.1/48



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

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

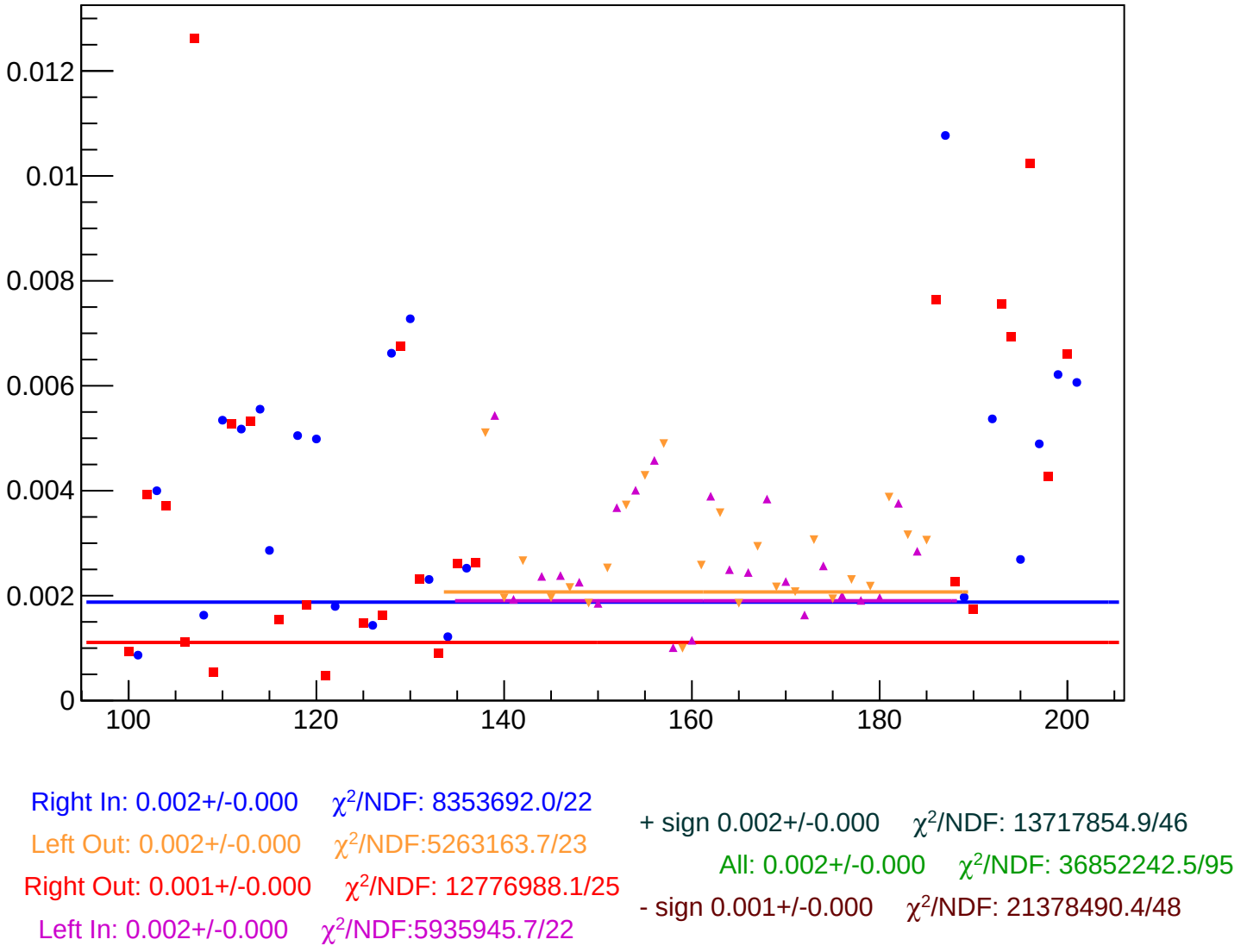
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/25

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

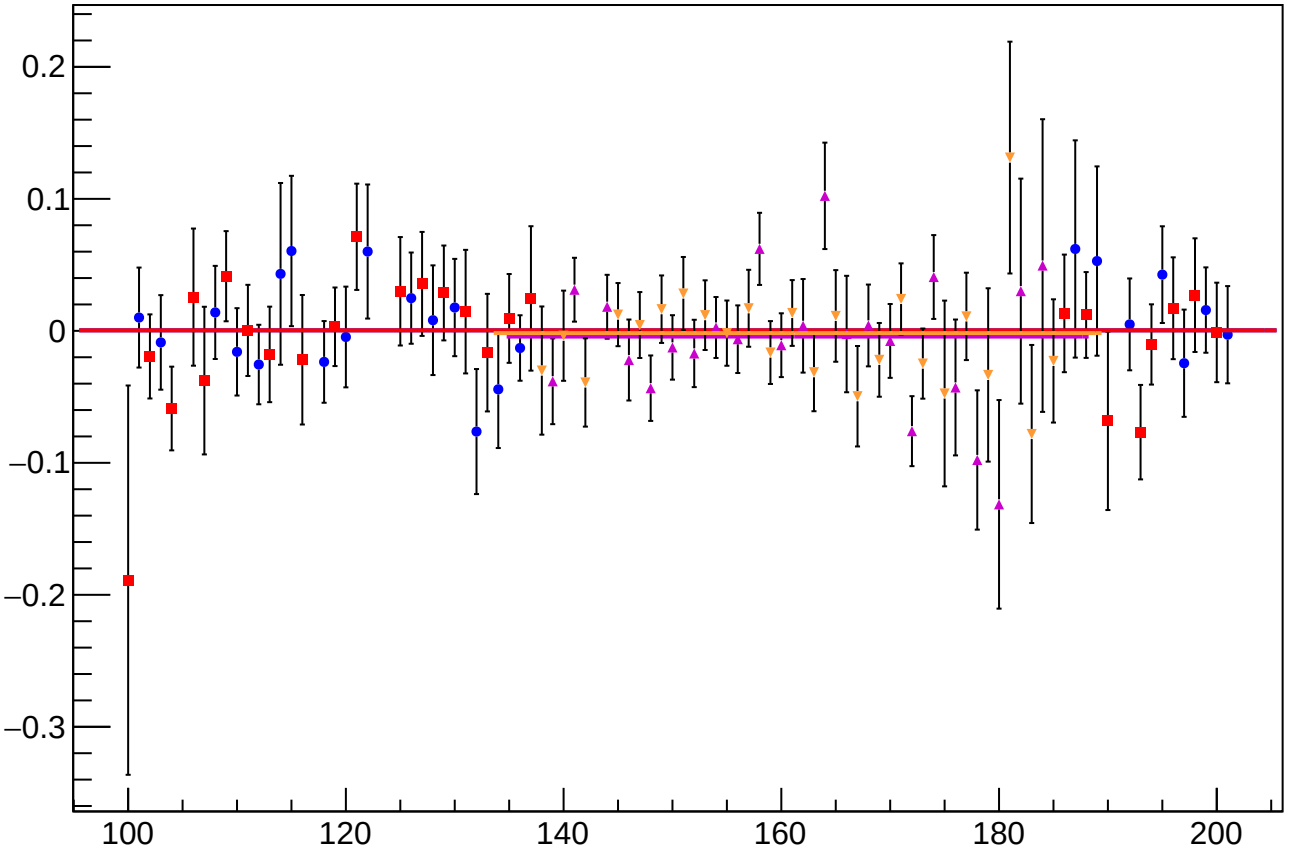
+ sign 0.000+/-0.000 χ^2/NDF: 80.5/46

All: 0.000+/-0.000 χ^2/NDF: 121.2/95

- sign 0.000+/-0.000 χ^2/NDF: 40.1/48


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: 12776988.1/25
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: 36852242.5/95
- sign 0.001+/-0.000 χ²/NDF: 21378490.4/48

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



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: 0.000+/-0.008 χ^2/NDF: 20.3/25

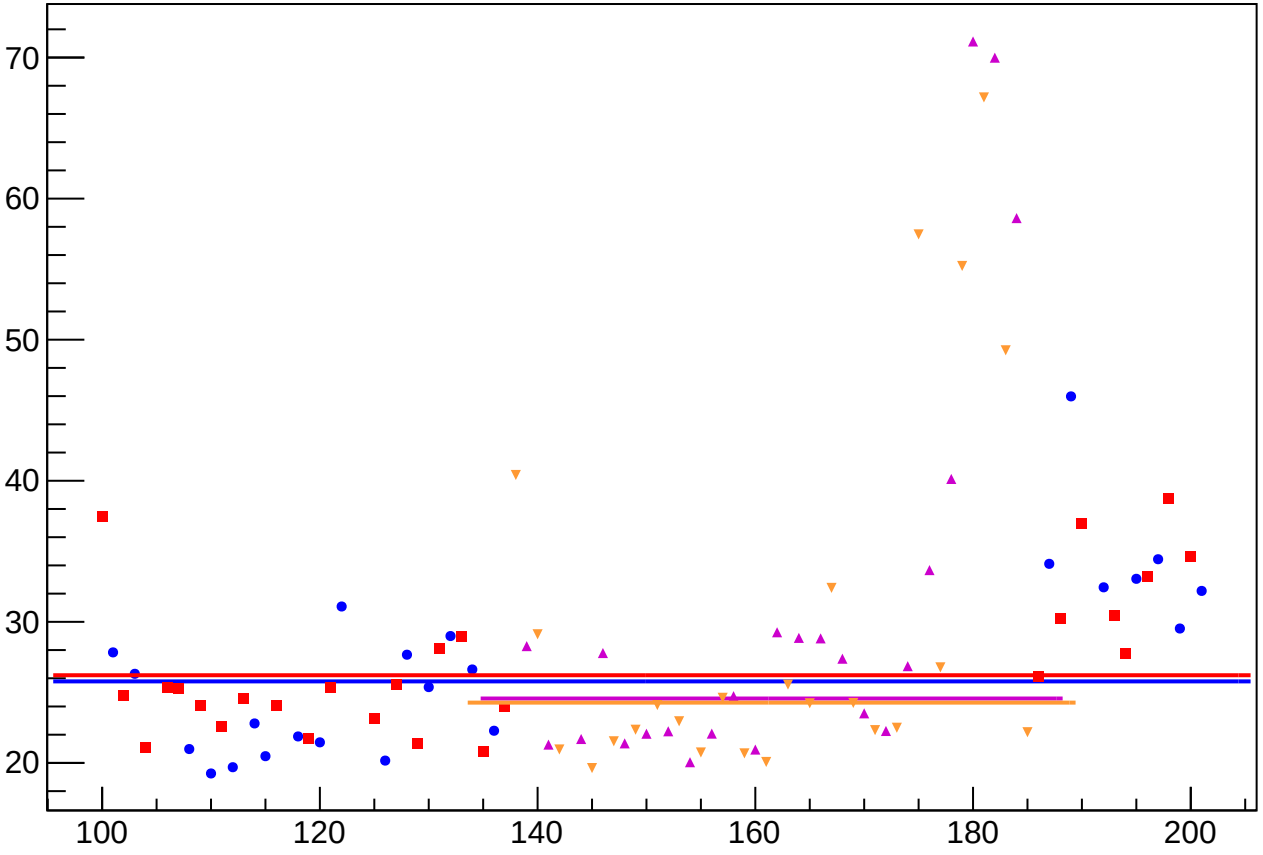
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.003 χ^2/NDF: 84.2/95

\- sign -0.002+/-0.005 χ^2/NDF: 57.0/48

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

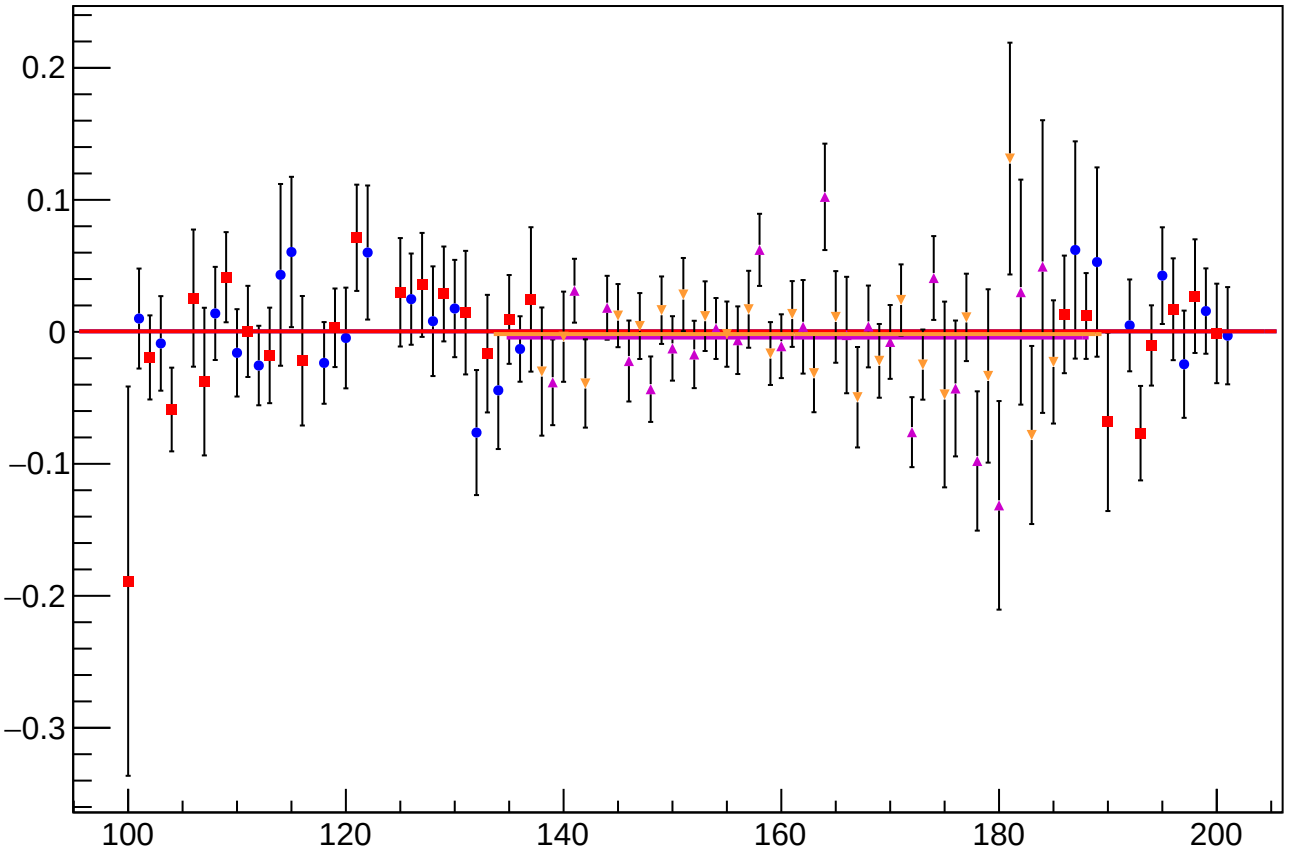
Right Out: 26.215+/-0.005 χ^2/NDF: 717547.2/25

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

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

All: 25.052+/-0.002 χ^2/NDF: 6185089.5/95

- sign 25.240+/-0.003 χ^2/NDF: 2904920.1/48



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

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

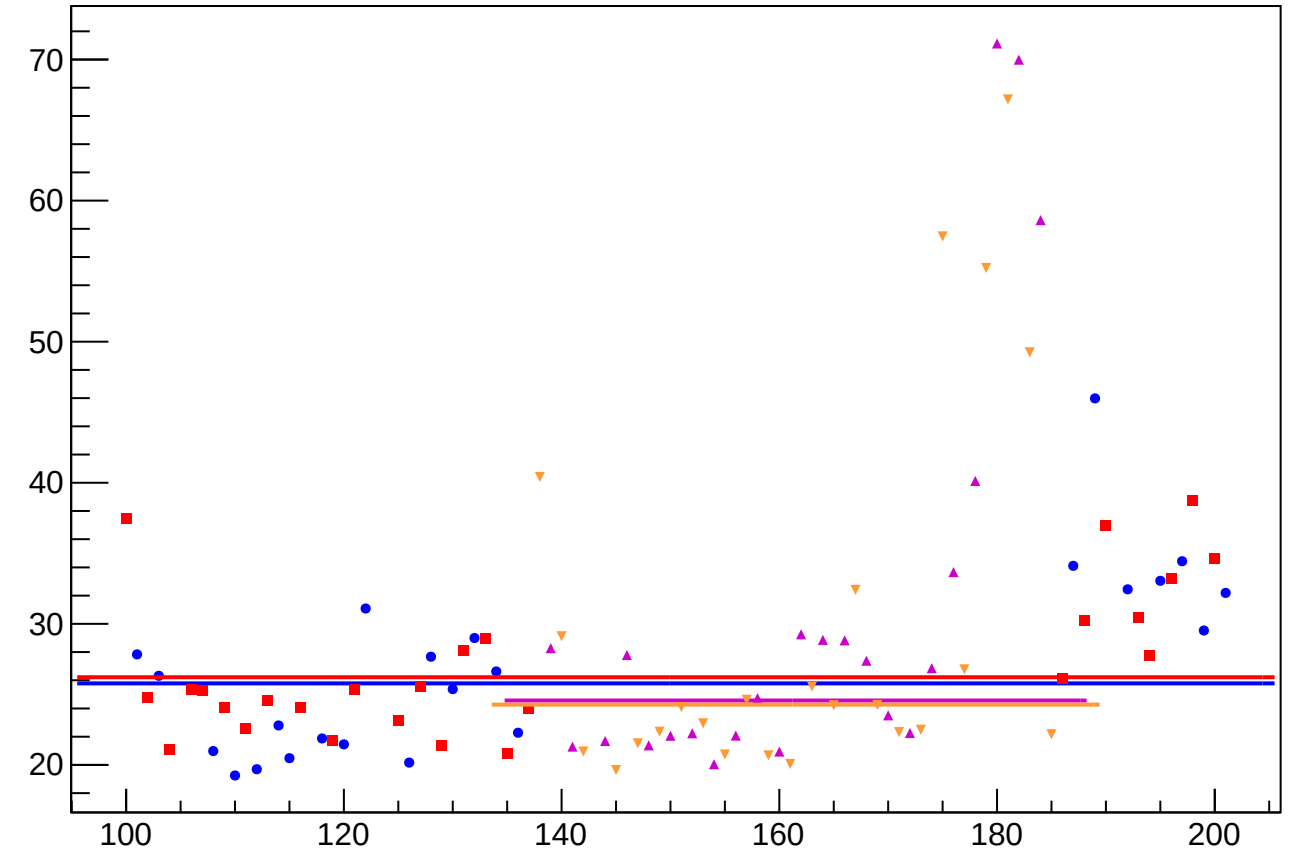
Right Out: 0.000+/-0.008 χ^2/NDF: 20.3/25

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

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

All: -0.002+/-0.003 χ^2/NDF: 84.2/95

- sign -0.002+/-0.005 χ^2/NDF: 57.0/48



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

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

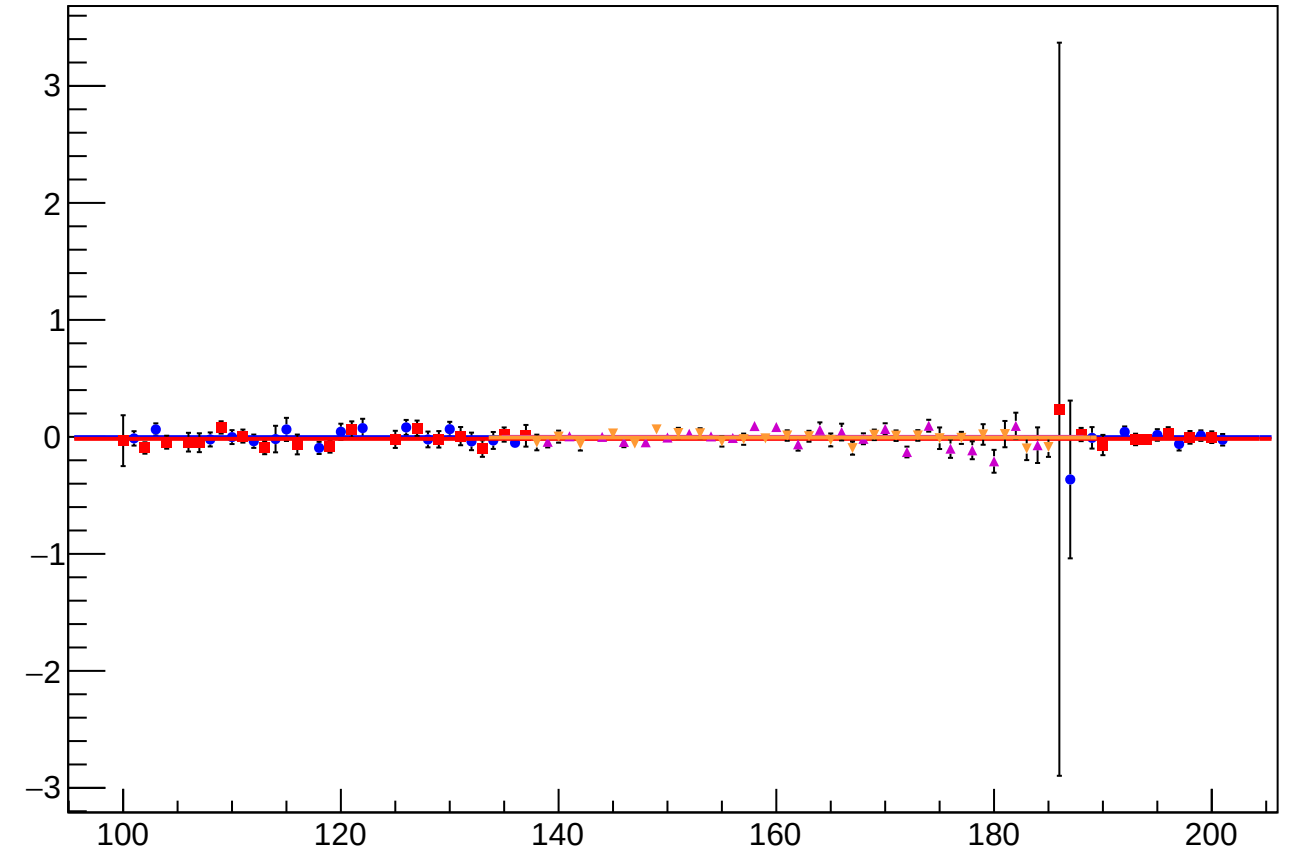
Right Out: 26.215+/-0.005 χ^2/NDF: 717547.2/25

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

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

All: 25.052+/-0.002 χ^2/NDF: 6185089.5/95

- sign 25.240+/-0.003 χ^2/NDF: 2904920.1/48



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: -0.017+/-0.012 χ^2/NDF: 17.5/25

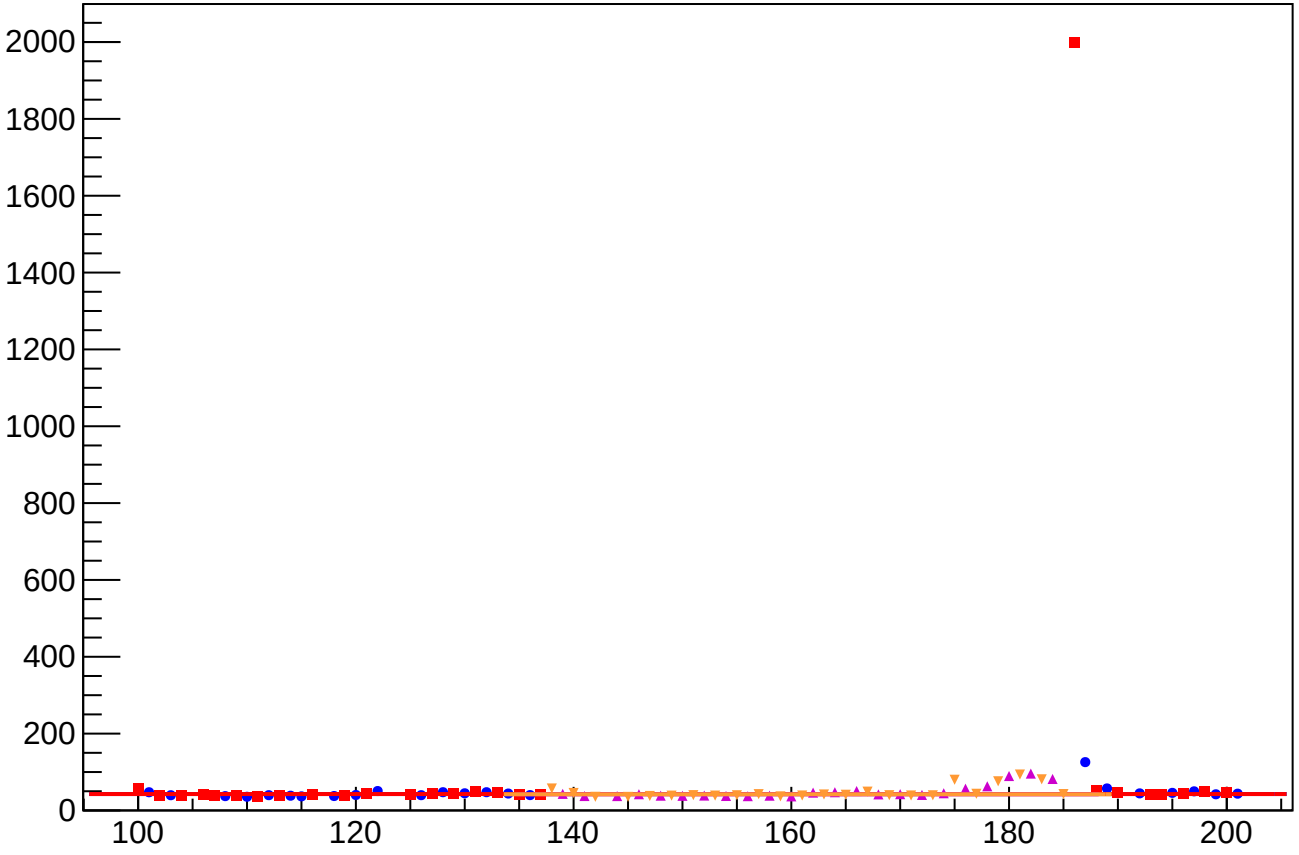
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

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

All: -0.006+/-0.006 χ^2/NDF: 84.9/95

- sign -0.007+/-0.008 χ^2/NDF: 56.5/48

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

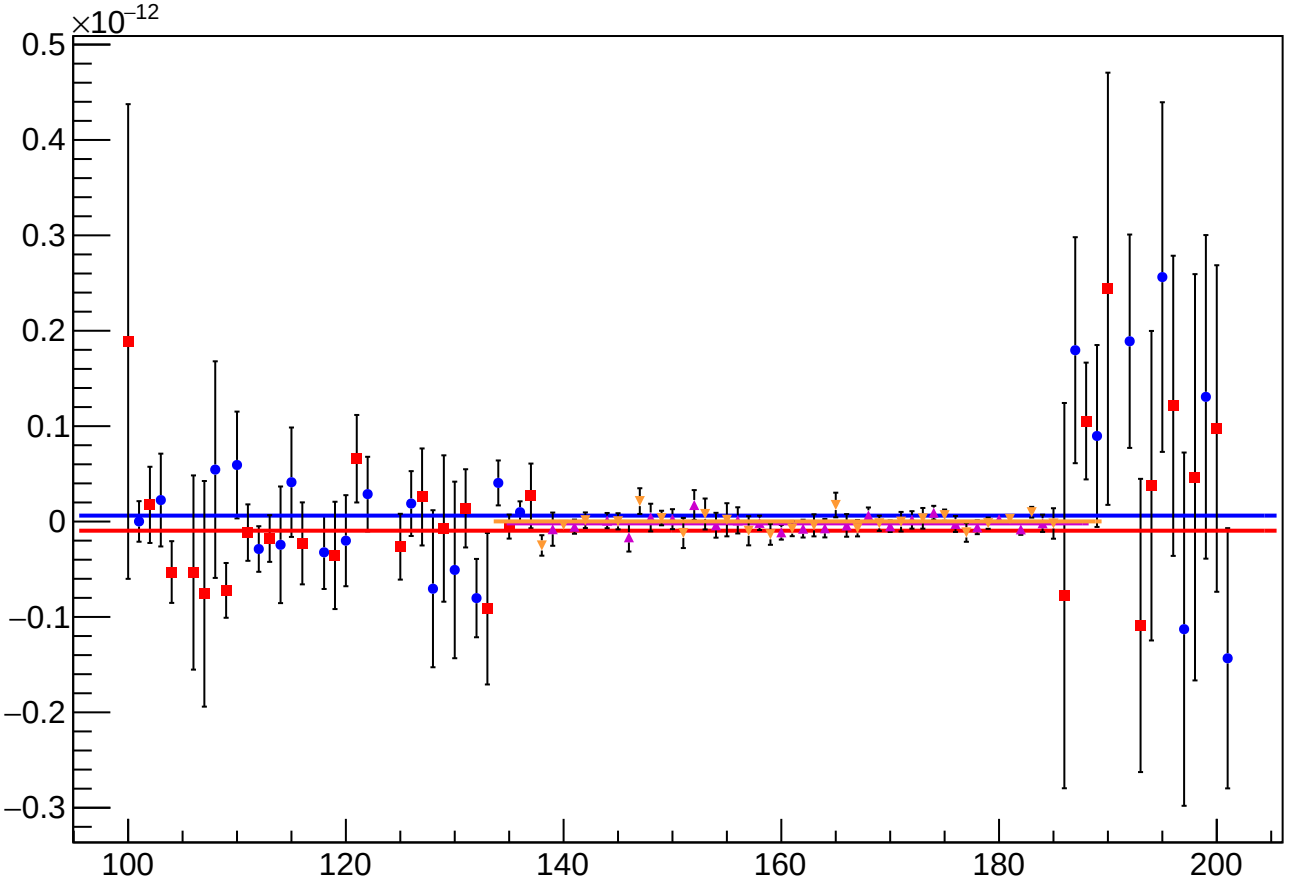
Right Out: 42.697+/-0.009 χ^2/NDF: 1002702.3/25

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

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

All: 42.351+/-0.004 χ^2/NDF: 4545794.6/95

- sign 42.338+/-0.006 χ^2/NDF: 2549160.4/48



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

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

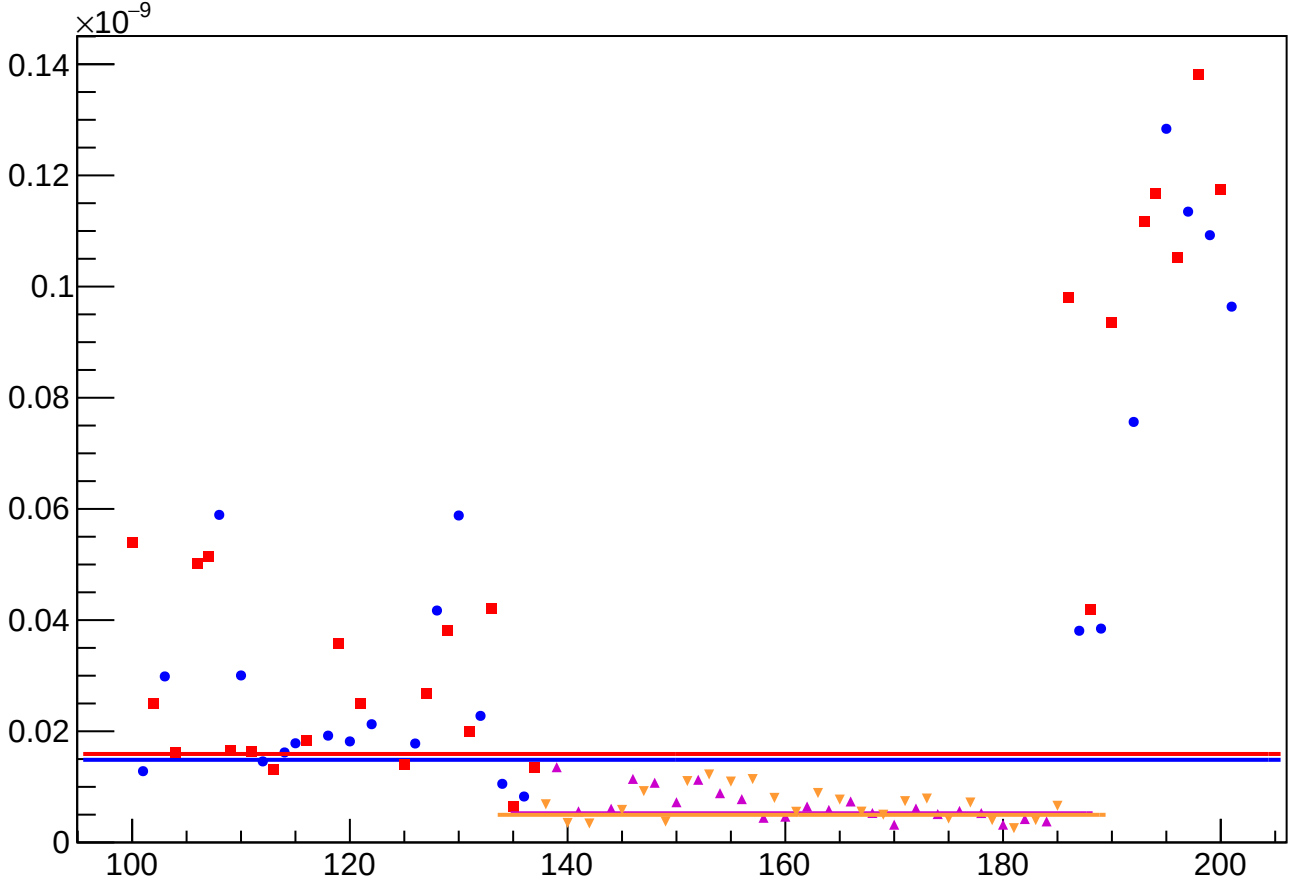
Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/25

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: 80.4/95

- sign -0.000+/-0.000 χ^2/NDF: 33.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 5705344.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:3536964.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7052766.5/25

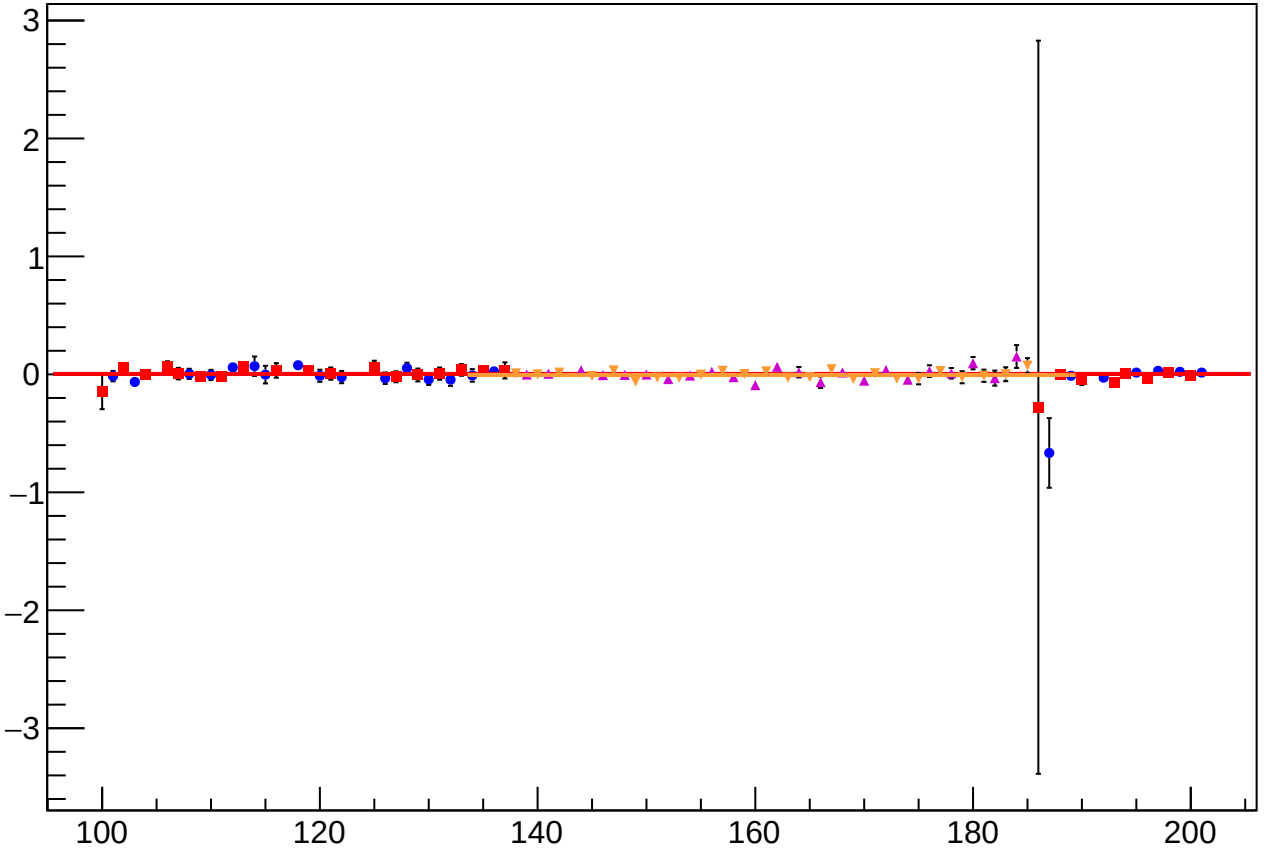
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12736442.3/46

All: 0.000+/-0.000 χ^2/NDF: 26115345.5/95

- sign 0.000+/-0.000 χ^2/NDF: 13345208.4/48

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: 0.004+/-0.008 χ^2/NDF: 21.2/25

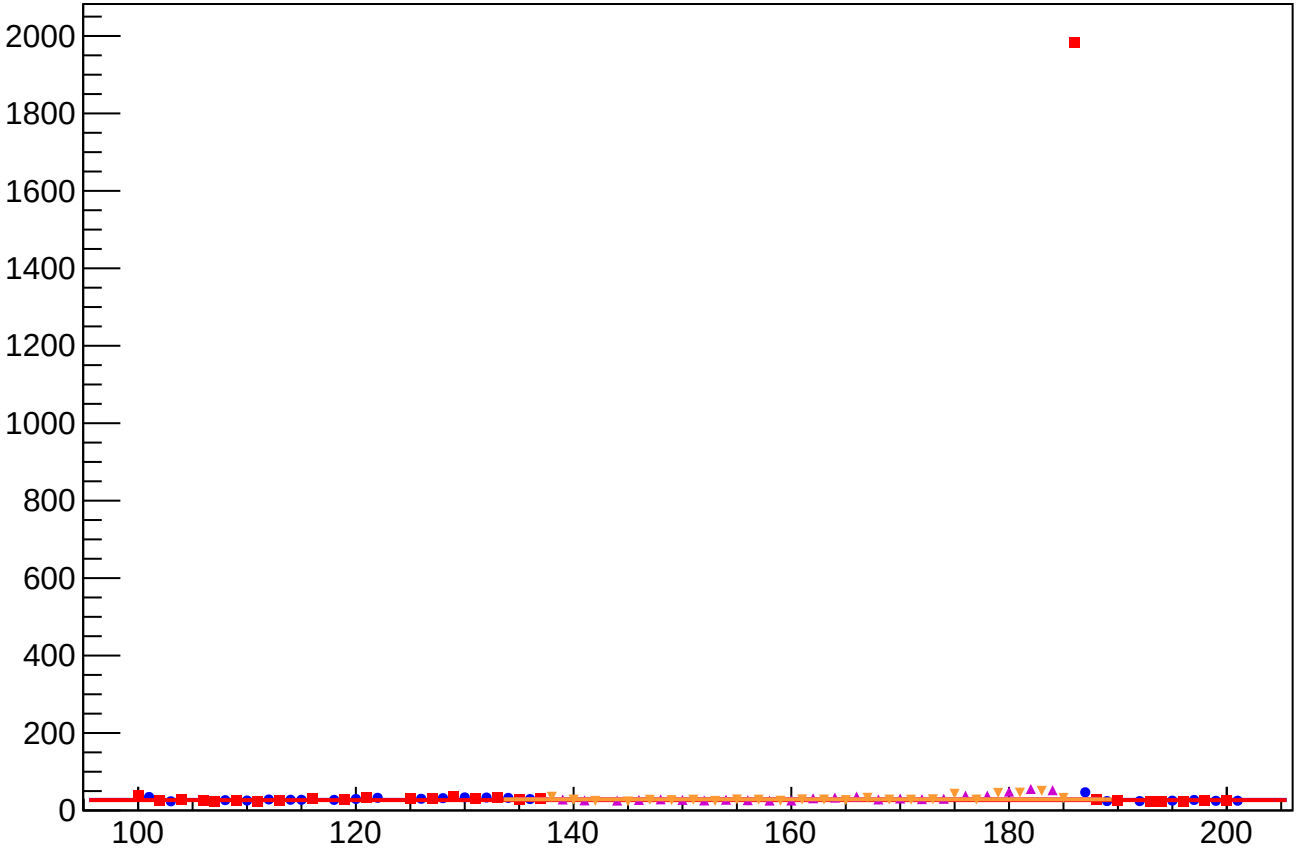
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

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

All: -0.001+/-0.004 χ^2/NDF: 94.0/95

- sign -0.000+/-0.005 χ^2/NDF: 52.9/48

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

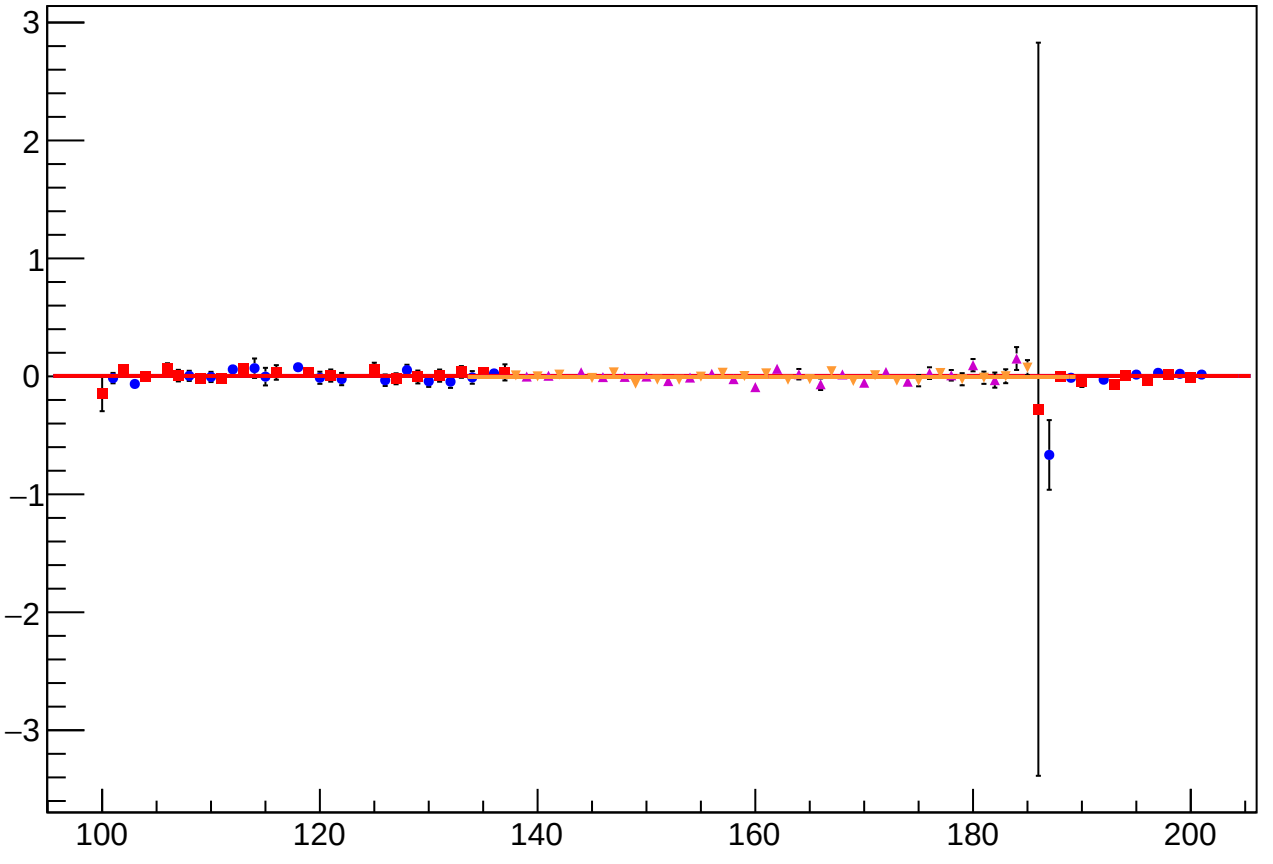
Right Out: 26.714+/-0.006 χ^2/NDF: 1080752.7/25

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

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

All: 28.115+/-0.003 χ^2/NDF: 3861916.9/95

- sign 28.091+/-0.004 χ^2/NDF: 2335760.2/48



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: 0.004+/-0.008 χ^2/NDF: 21.2/25

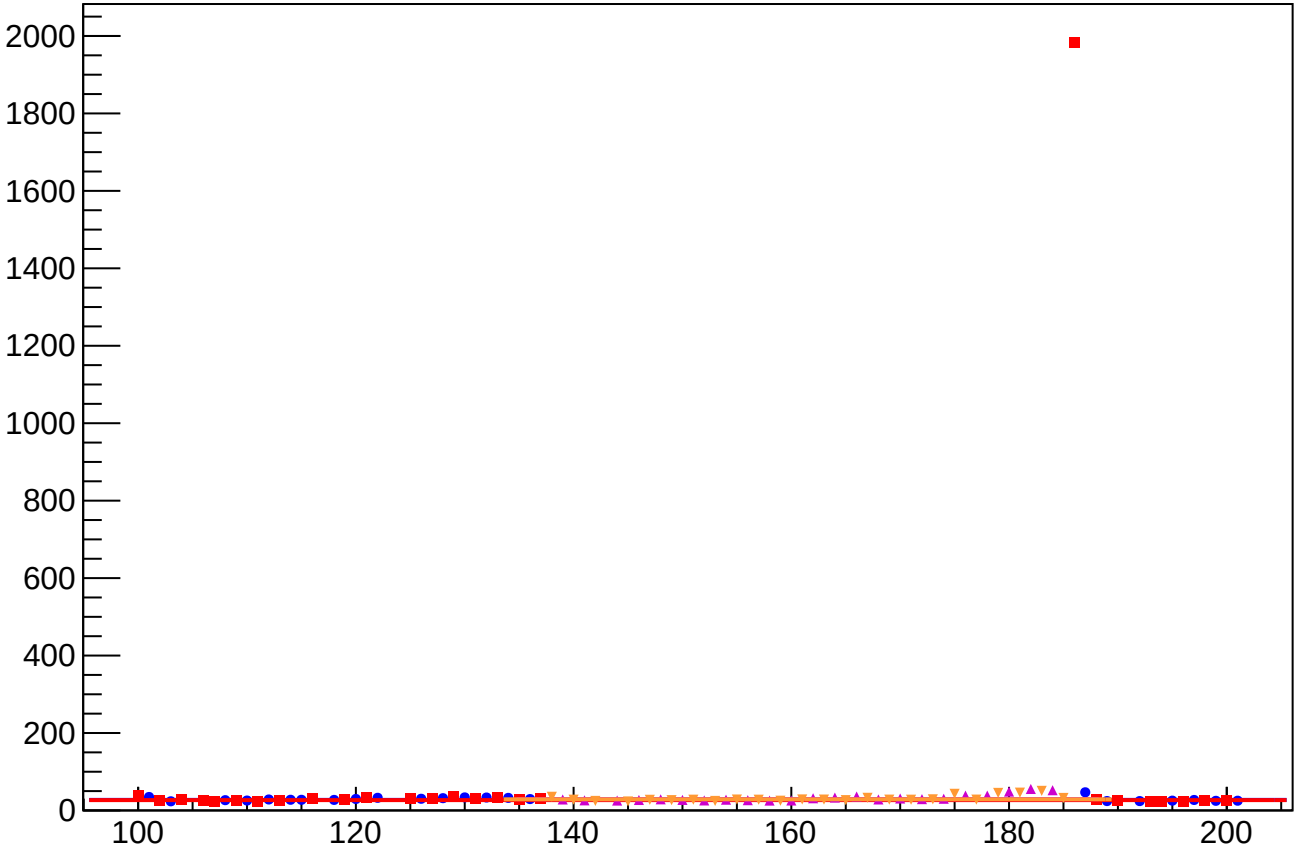
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

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

All: -0.001+/-0.004 χ^2/NDF: 94.0/95

- sign -0.000+/-0.005 χ^2/NDF: 52.9/48

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: 26.714+/-0.006 χ^2/NDF: 1080752.7/25

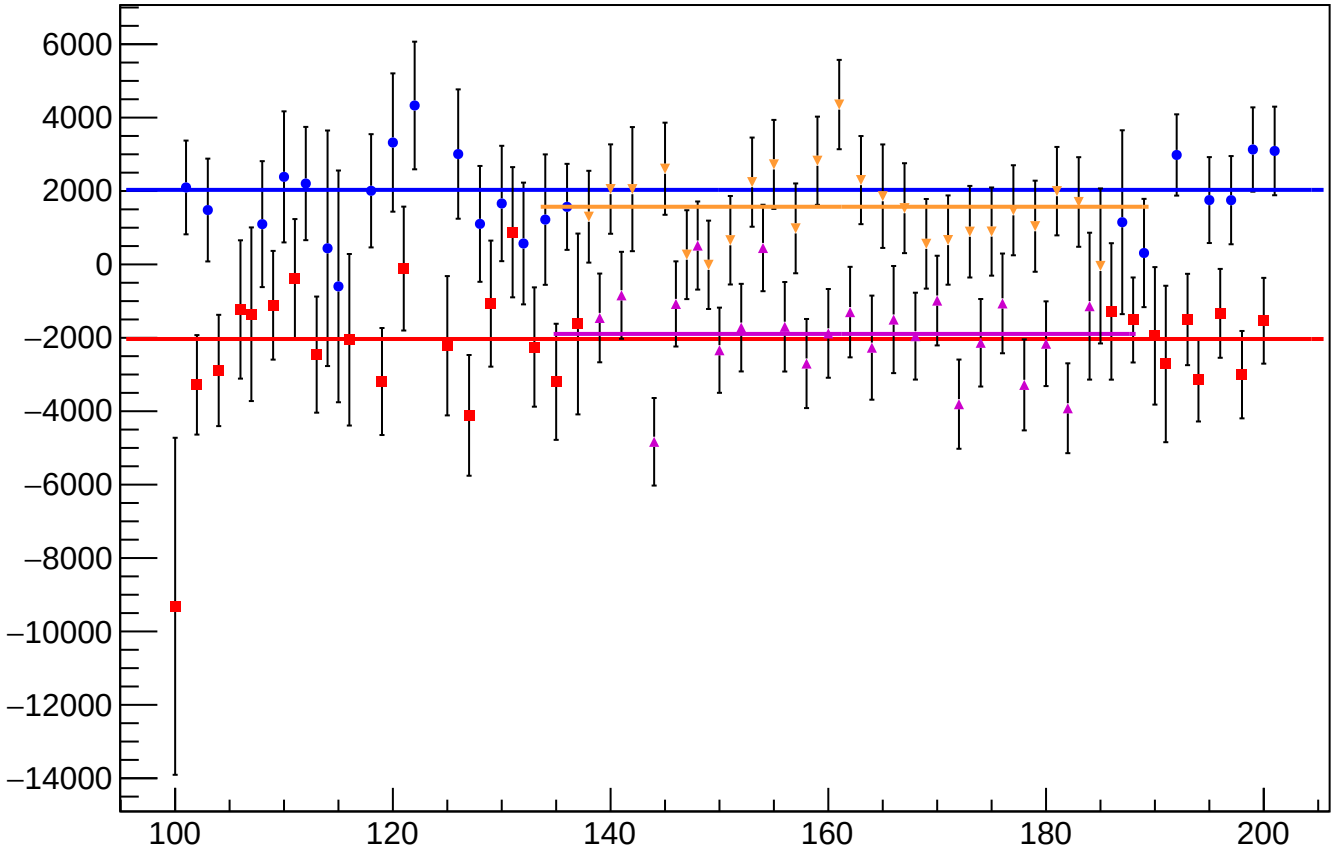
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

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

All: 28.115+/-0.003 χ^2/NDF: 3861916.9/95

- sign 28.091+/-0.004 χ^2/NDF: 2335760.2/48

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: -2031.807+/-300.798 χ^2/NDF: 15.3/26

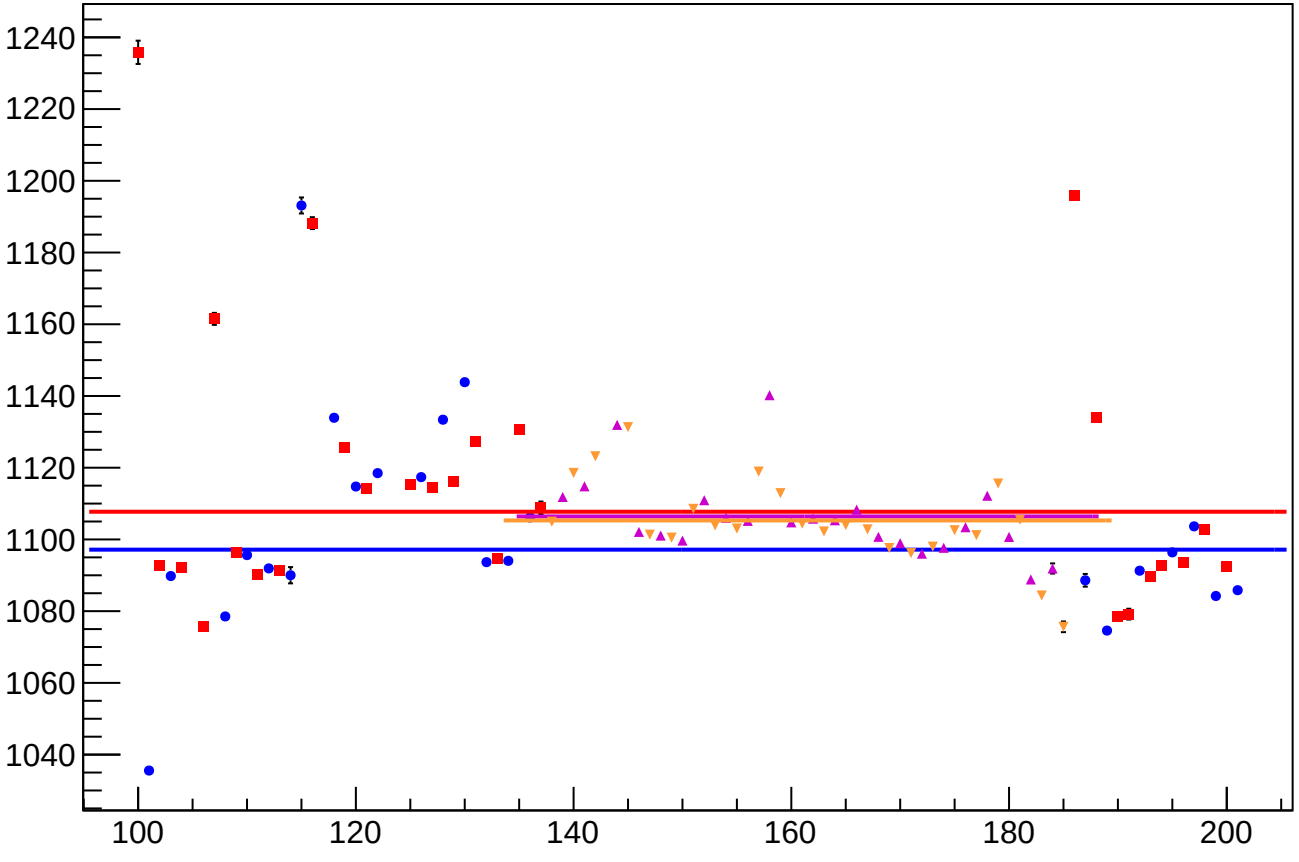
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -118.565+/-139.352 χ^2/NDF: 242.8/96

- sign -1952.123+/-195.981 χ^2/NDF: 39.6/49

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: 1107.724+/-0.213 χ^2/NDF: 15604.6/26

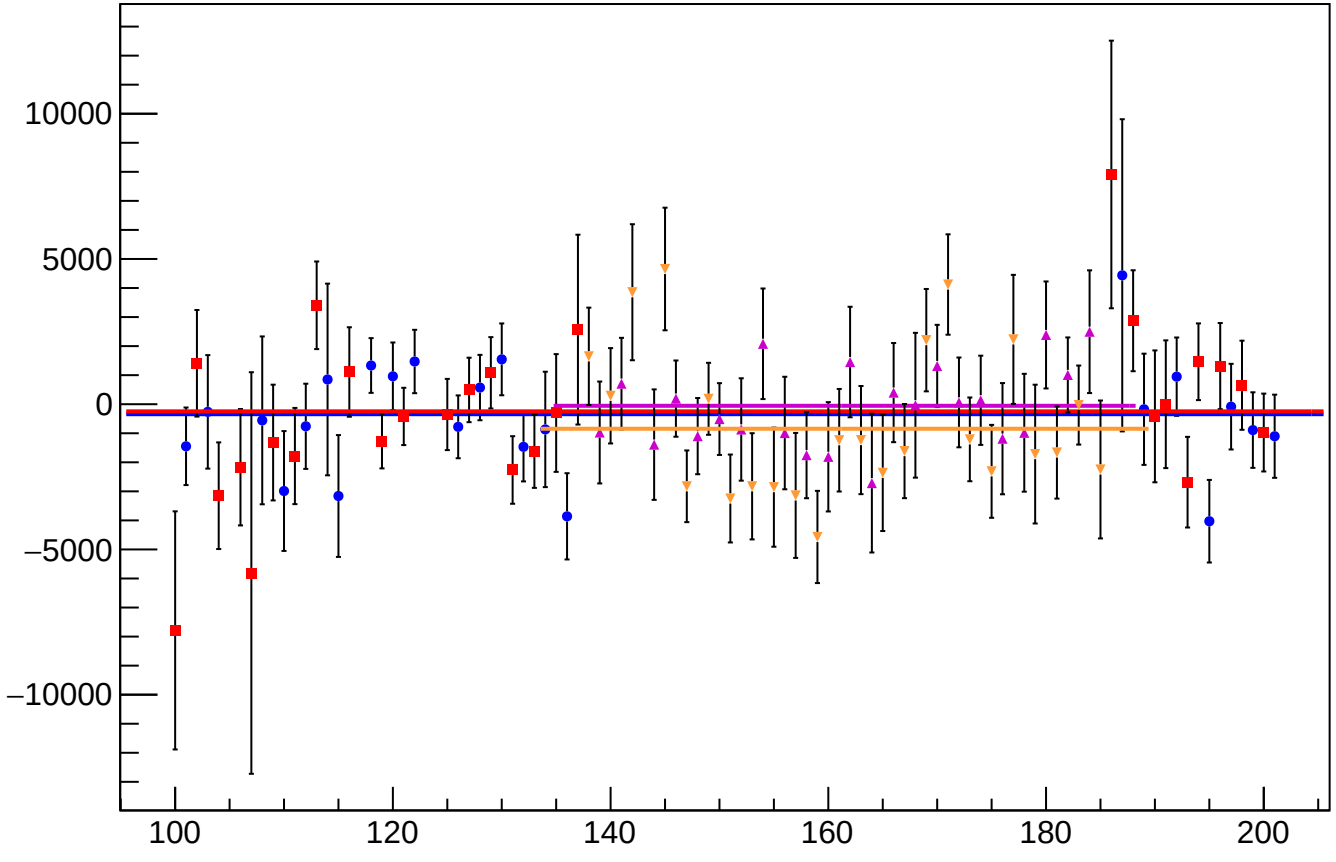
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

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

All: 1104.516+/-0.099 χ^2/NDF: 36698.4/96

- sign 1106.965+/-0.139 χ^2/NDF: 19403.2/49

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: -245.596+/-293.622 χ^2/NDF: 36.0/26

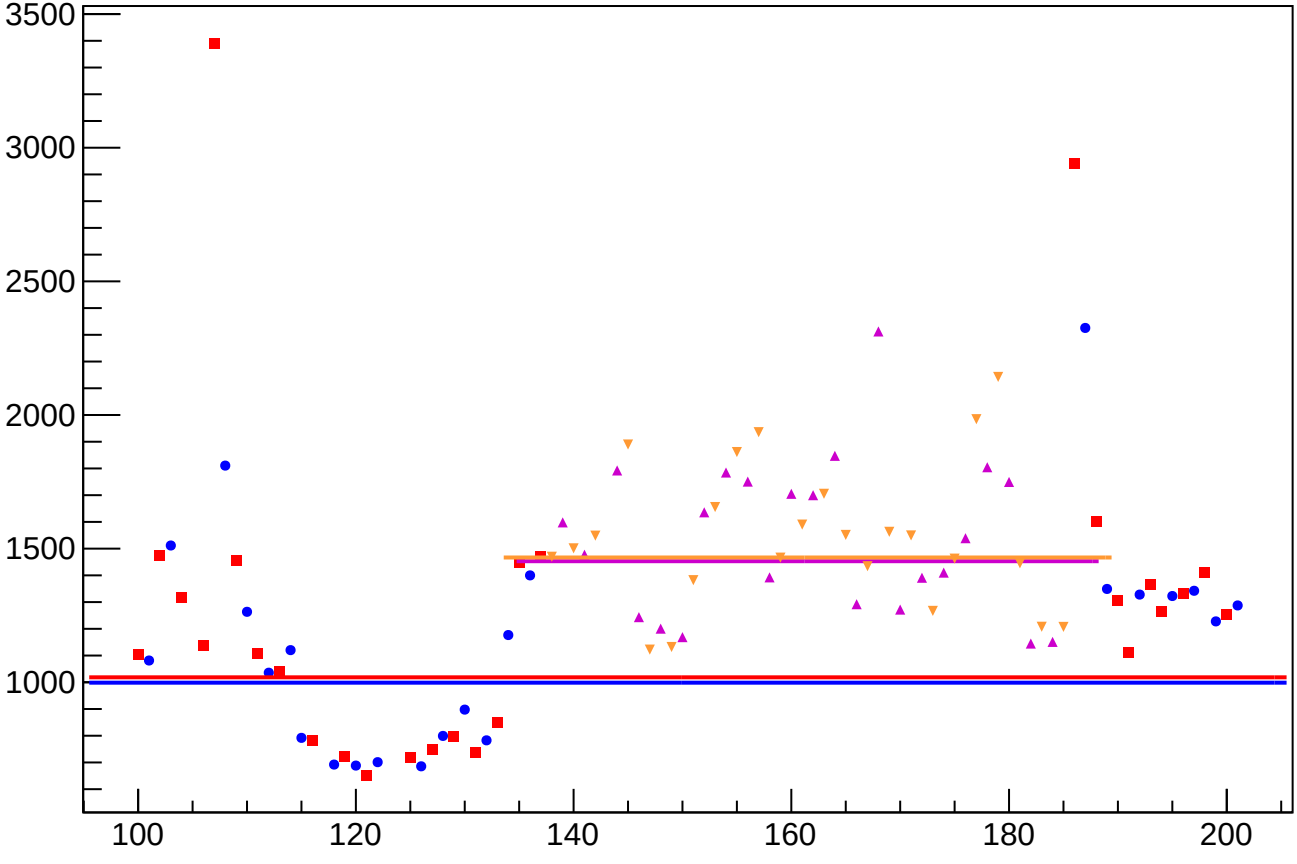
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -358.837+/-159.084 χ^2/NDF: 126.3/96

- sign -165.518+/-223.865 χ^2/NDF: 49.3/49

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

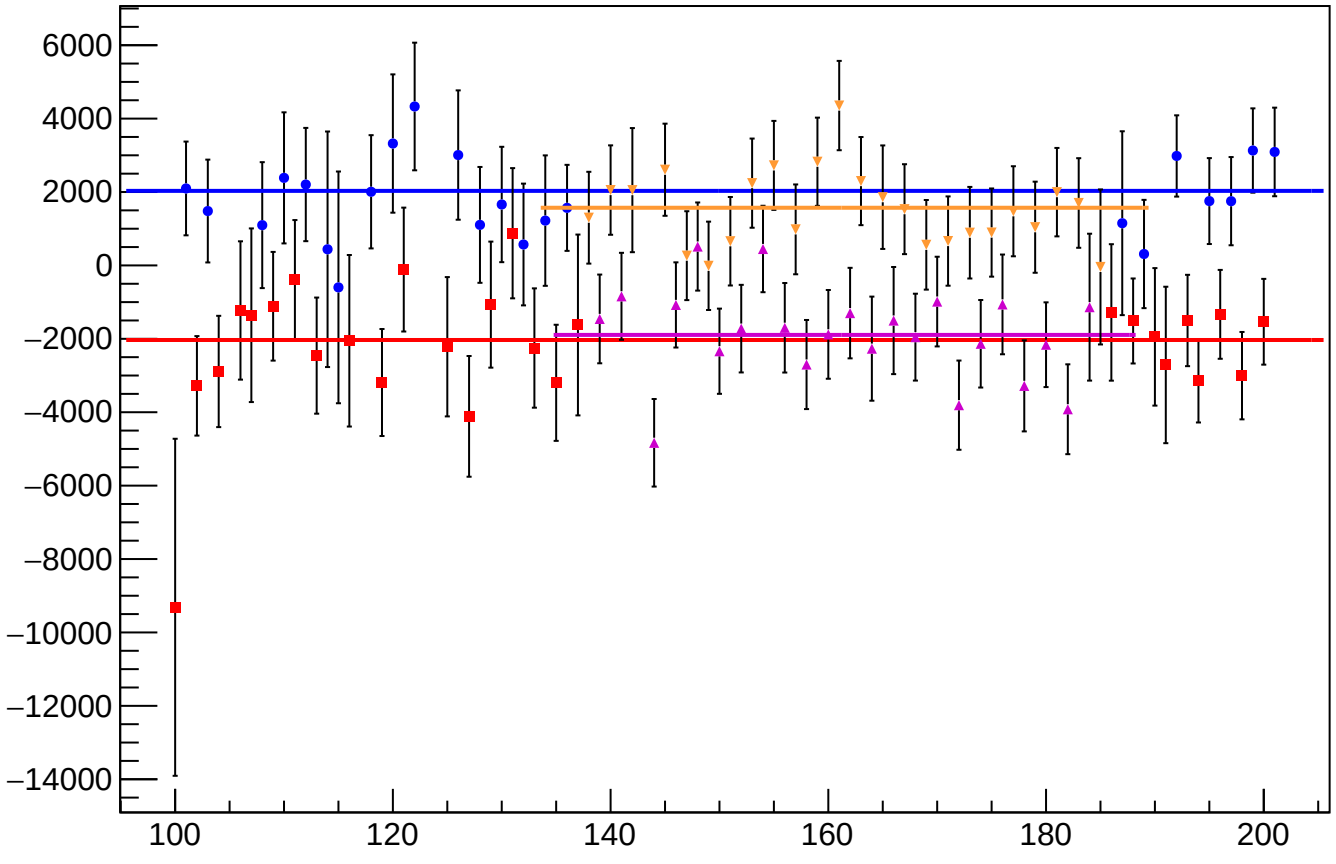
Right Out: 1018.515+/-0.208 χ^2/NDF: 2685377.0/26

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

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

All: 1198.713+/-0.112 χ^2/NDF: 10786193.8/9

- sign 1200.431+/-0.158 χ^2/NDF: 5648447.6/49



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: -2031.797+/-300.798 χ^2/NDF: 15.3/26

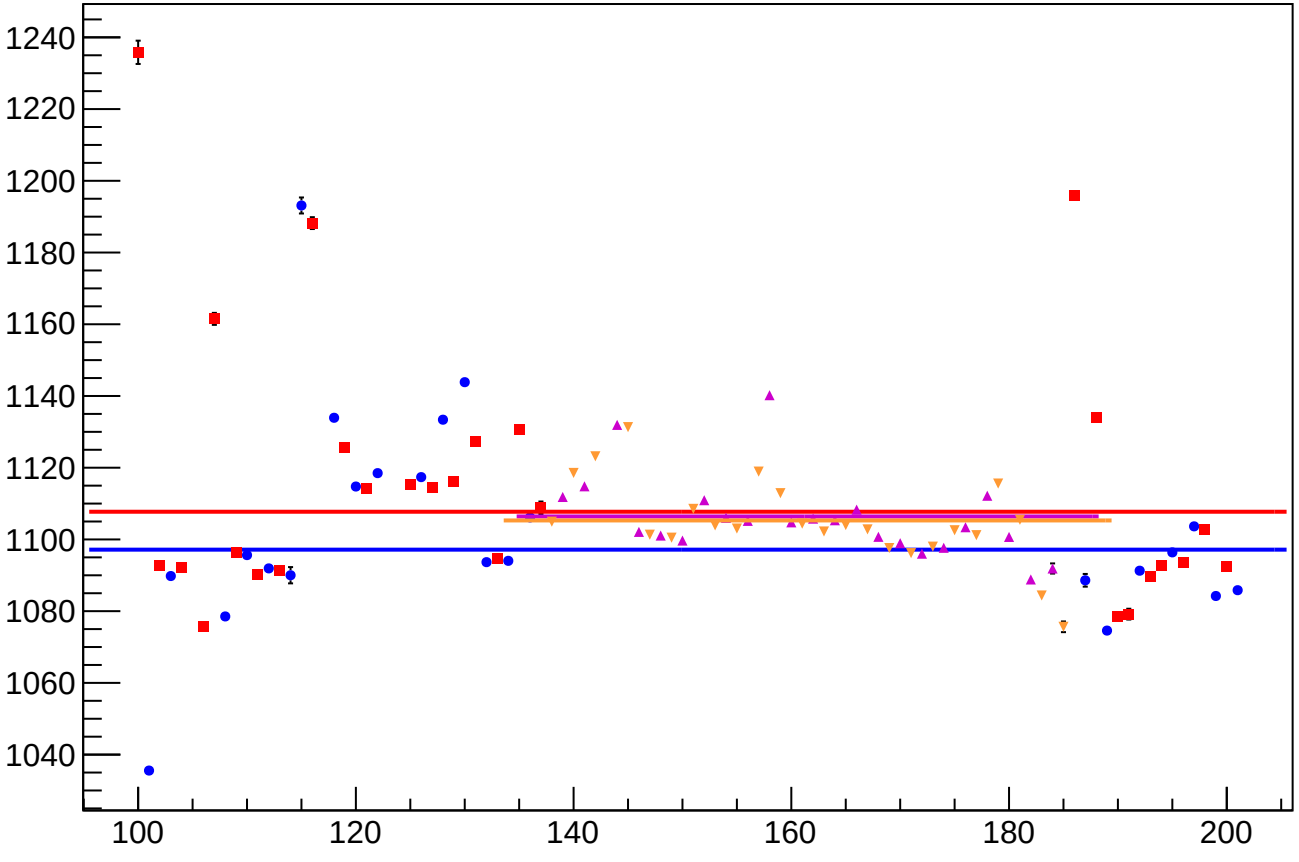
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -118.563+/-139.352 χ^2/NDF: 242.8/96

- sign -1952.119+/-195.981 χ^2/NDF: 39.6/49

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: 1107.724+/-0.213 χ^2/NDF: 15604.6/26

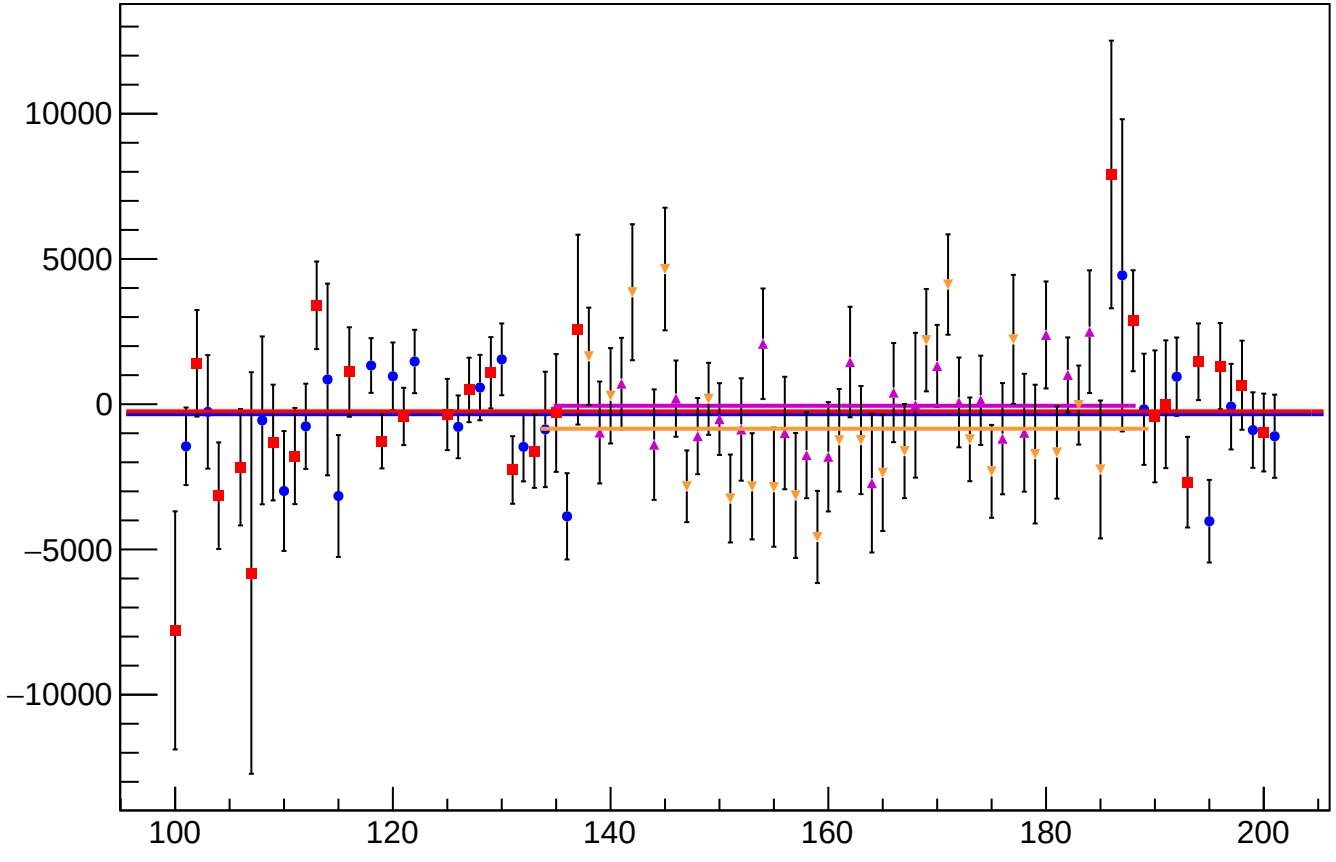
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

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

All: 1104.516+/-0.099 χ^2/NDF: 36698.4/96

- sign 1106.965+/-0.139 χ^2/NDF: 19403.2/49

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: -245.596+/-293.622 χ^2/NDF: 36.0/26

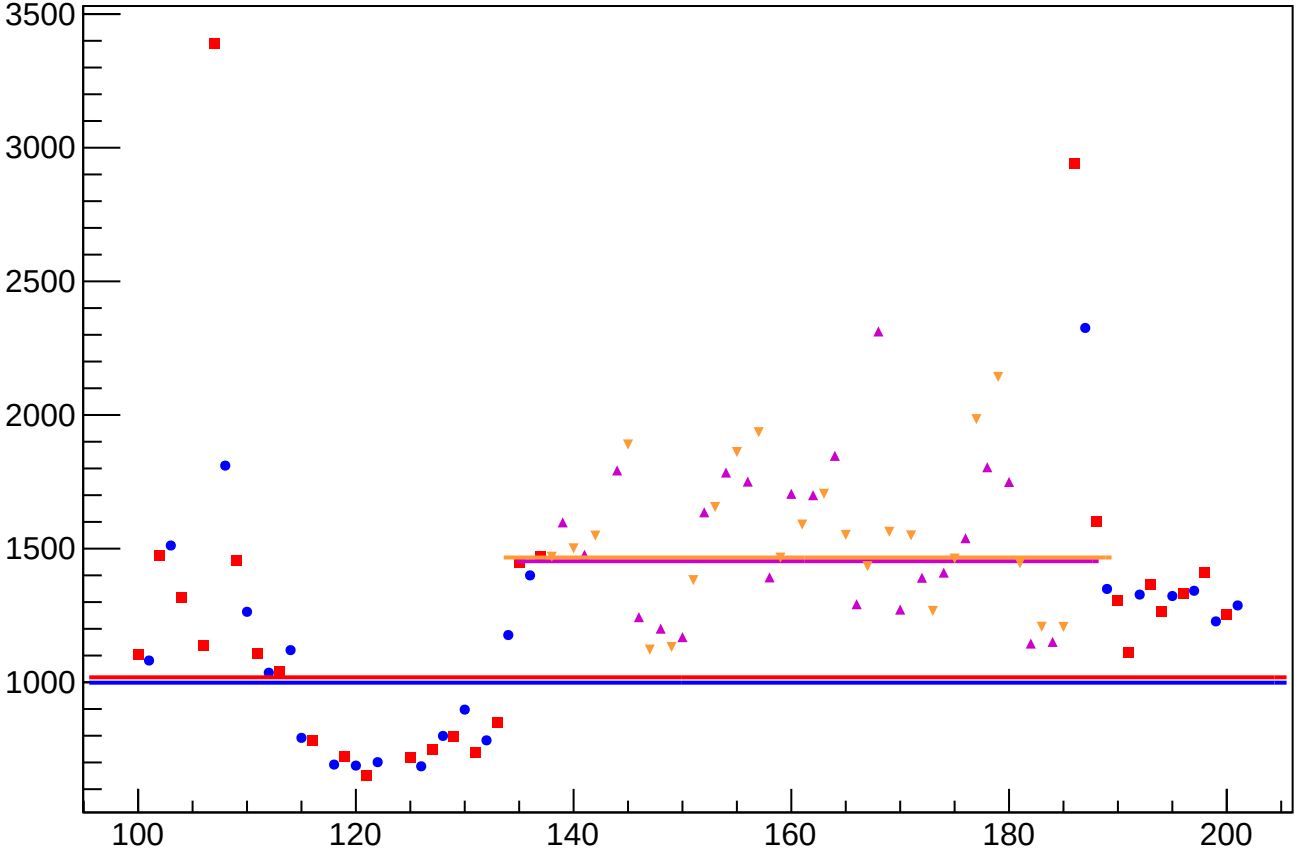
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -358.837+/-159.084 χ^2/NDF: 126.3/96

- sign -165.518+/-223.865 χ^2/NDF: 49.3/49

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: 1018.514+/-0.208 χ^2/NDF: 2685376.1/26

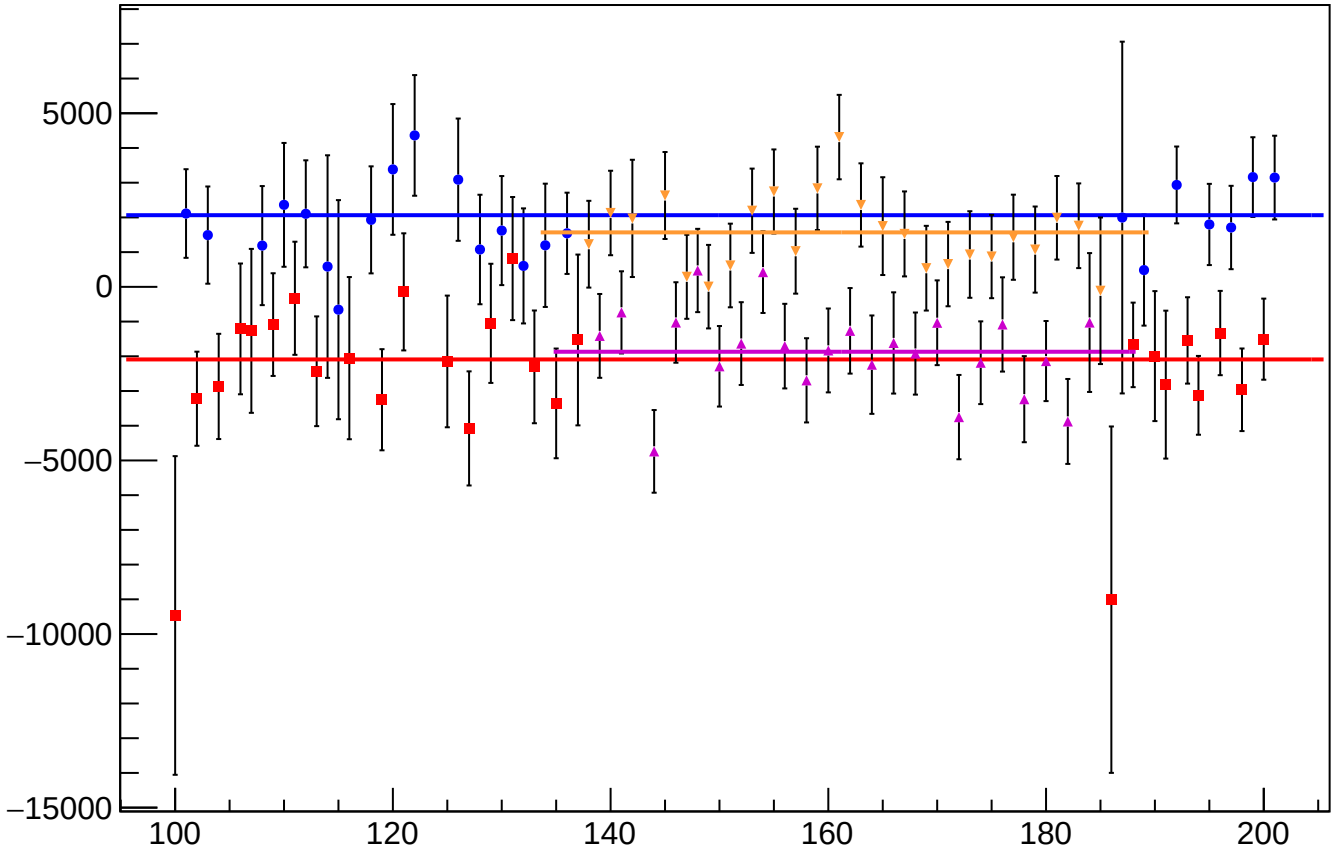
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1198.713+/-0.112 χ^2/NDF: 10786194.7/9

- sign 1200.431+/-0.158 χ^2/NDF: 5648448.5/49

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: -2090.528+/-305.098 χ^2/NDF: 17.1/26

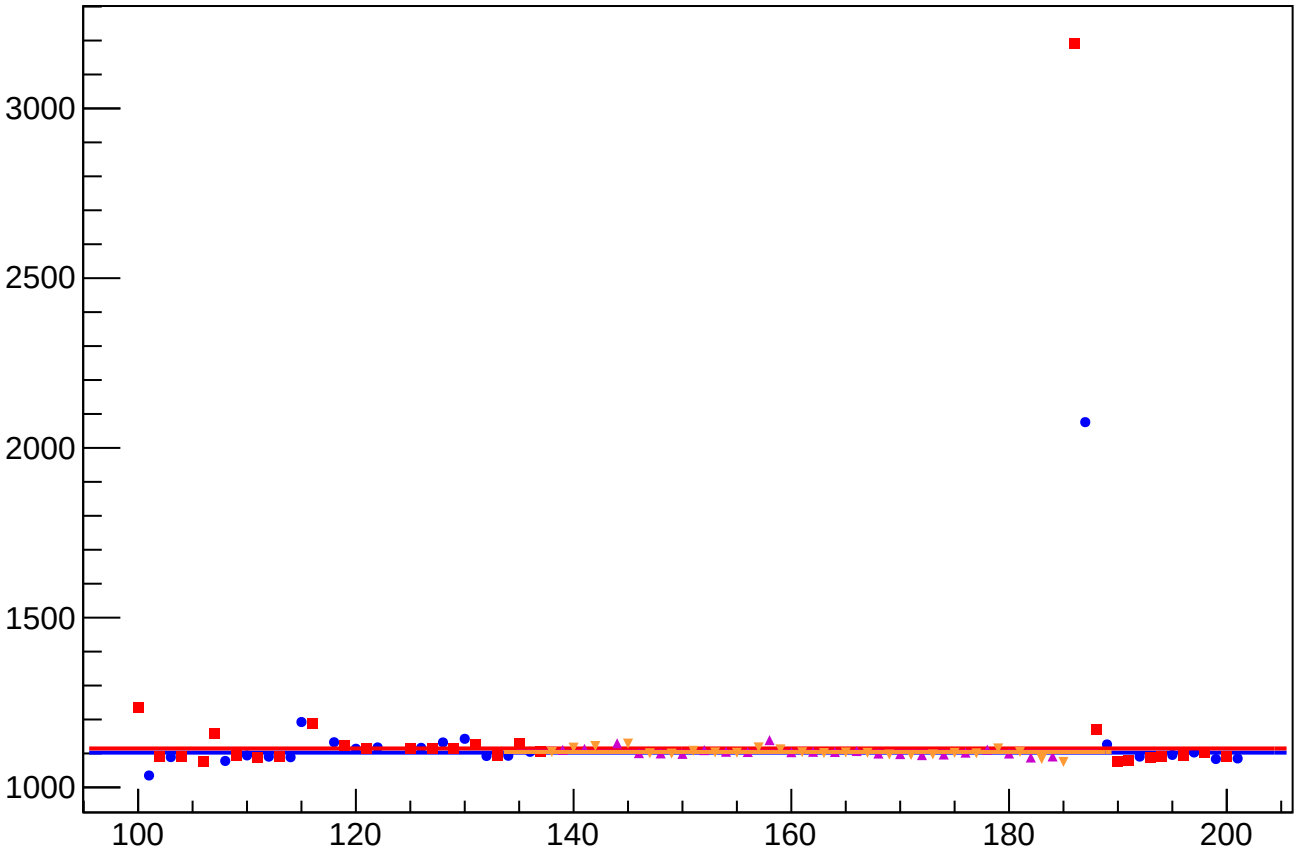
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

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

All: -113.761+/-139.934 χ^2/NDF: 244.3/96

- sign -1961.605+/-197.049 χ^2/NDF: 40.8/49

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: 1114.692+/-0.216 χ^2/NDF: 363098.7/26

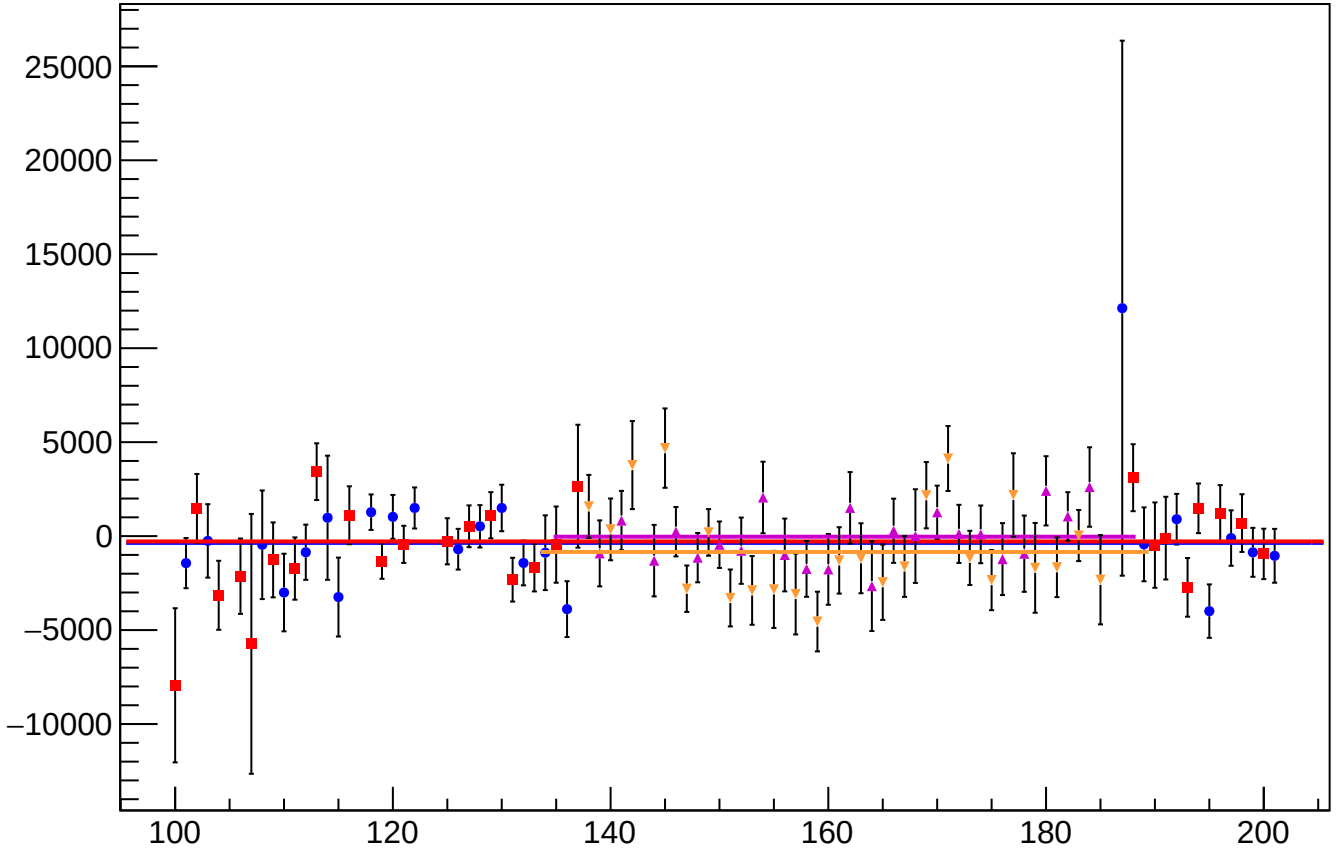
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

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

All: 1106.421+/-0.099 χ^2/NDF: 458593.7/96

- sign 1109.265+/-0.139 χ^2/NDF: 367845.7/49

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: -283.011+/-294.817 χ^2/NDF: 33.9/25

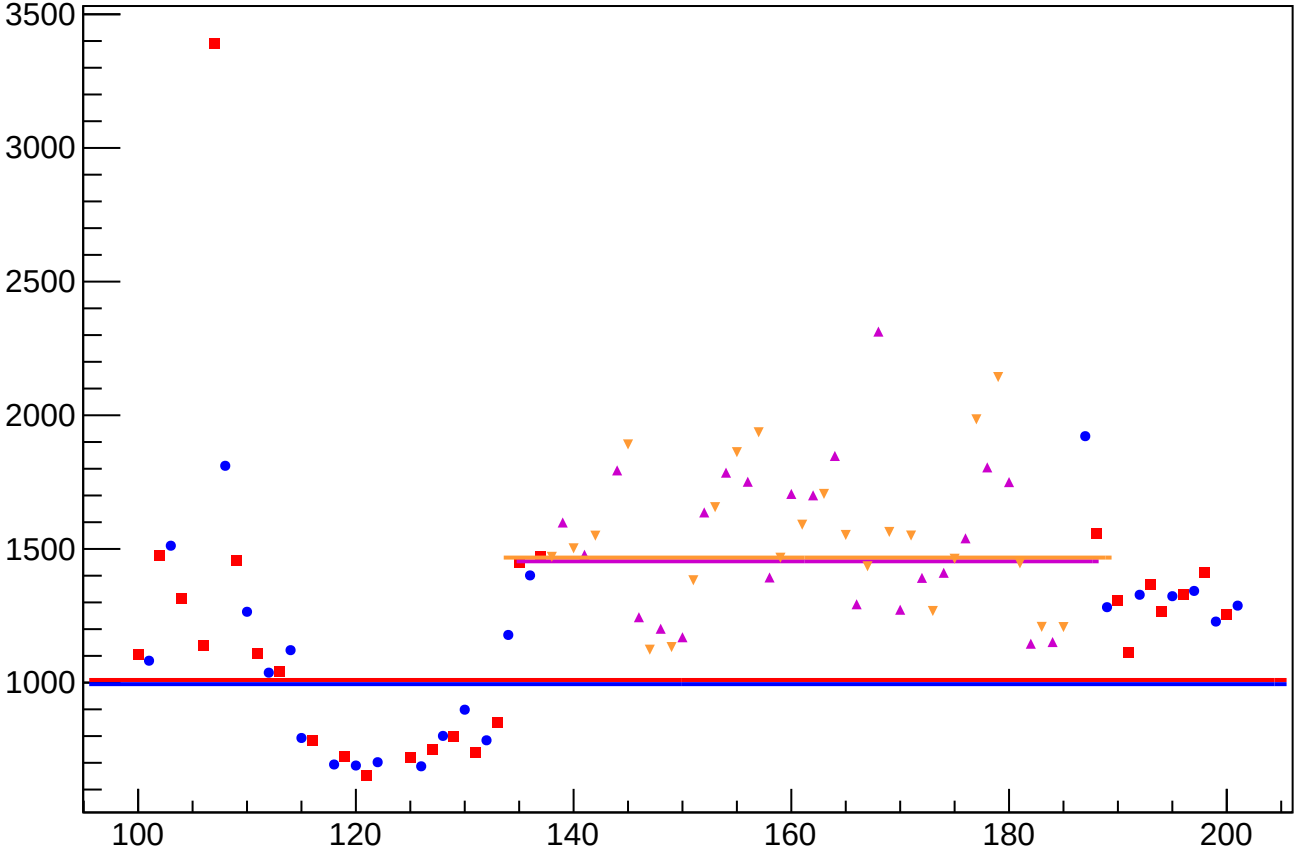
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

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

All: -369.370+/-159.457 χ^2/NDF: 123.6/95

- sign -177.225+/-224.445 χ^2/NDF: 47.2/48

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: 1009.850+/-0.208 χ^2/NDF: 2282027.3/25

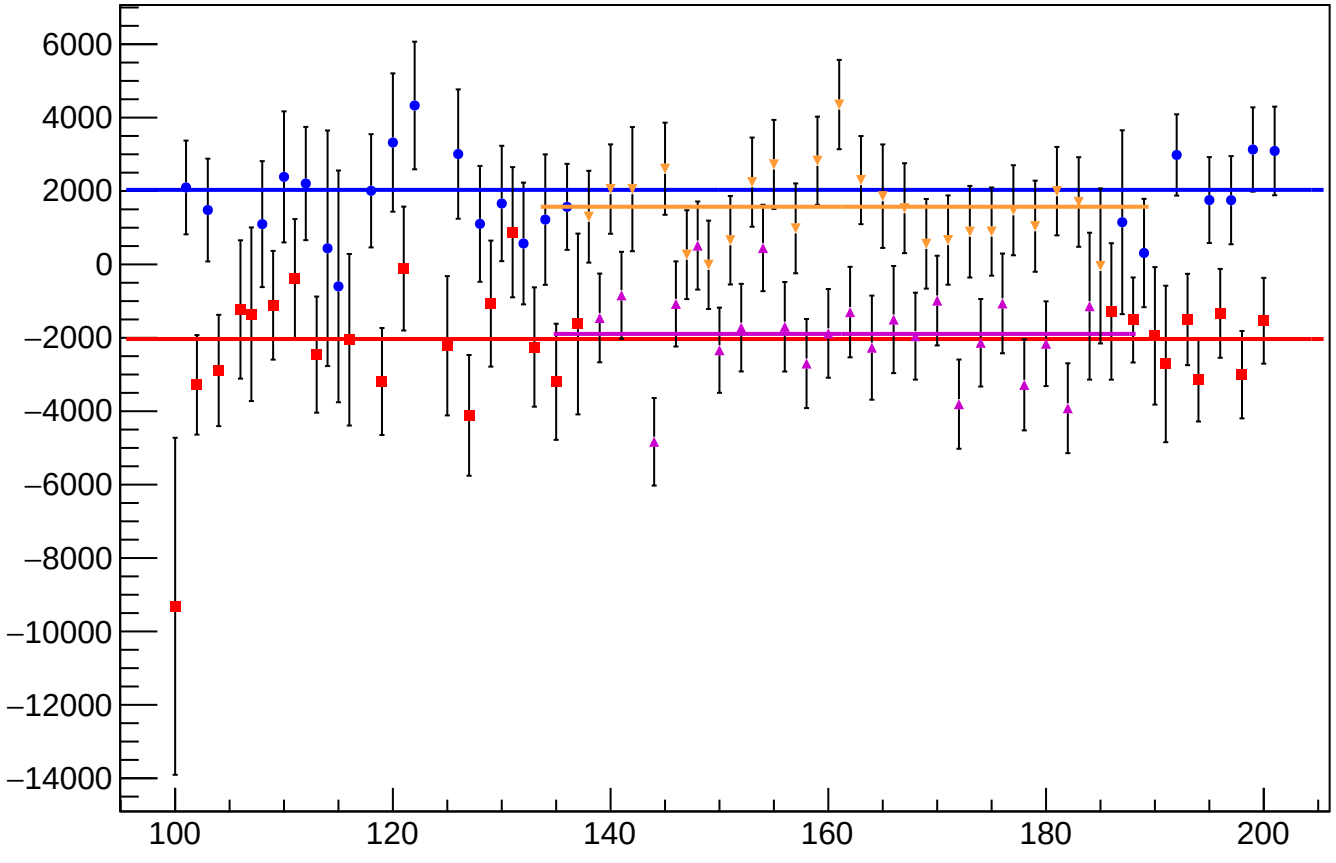
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

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

All: 1196.011+/-0.113 χ^2/NDF: 10343092.9/9

- sign 1196.508+/-0.159 χ^2/NDF: 5316976.4/48

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: -2031.797+/-300.798 χ^2/NDF: 15.3/26

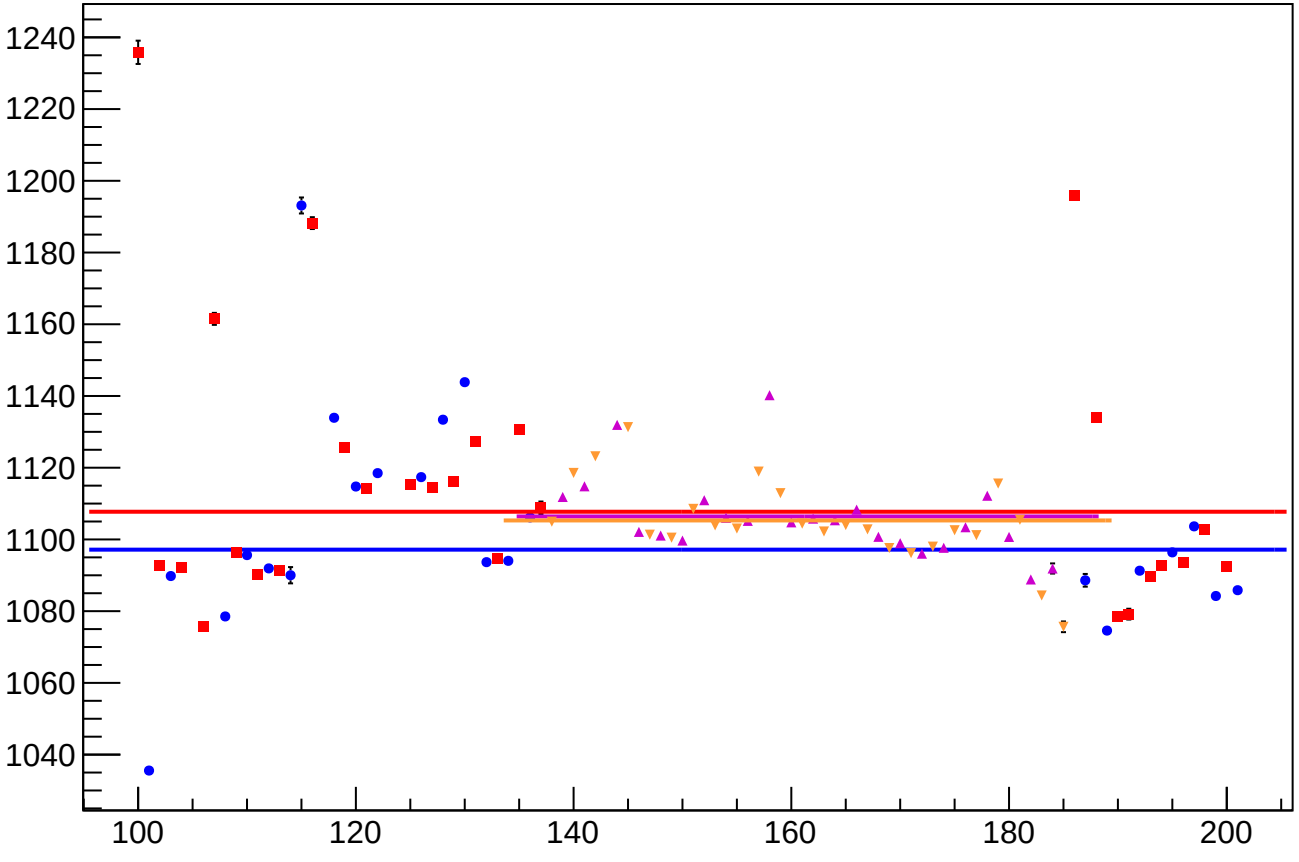
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -118.563+/-139.352 χ^2/NDF: 242.8/96

- sign -1952.119+/-195.981 χ^2/NDF: 39.6/49

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: 1107.724+/-0.213 χ^2/NDF: 15604.6/26

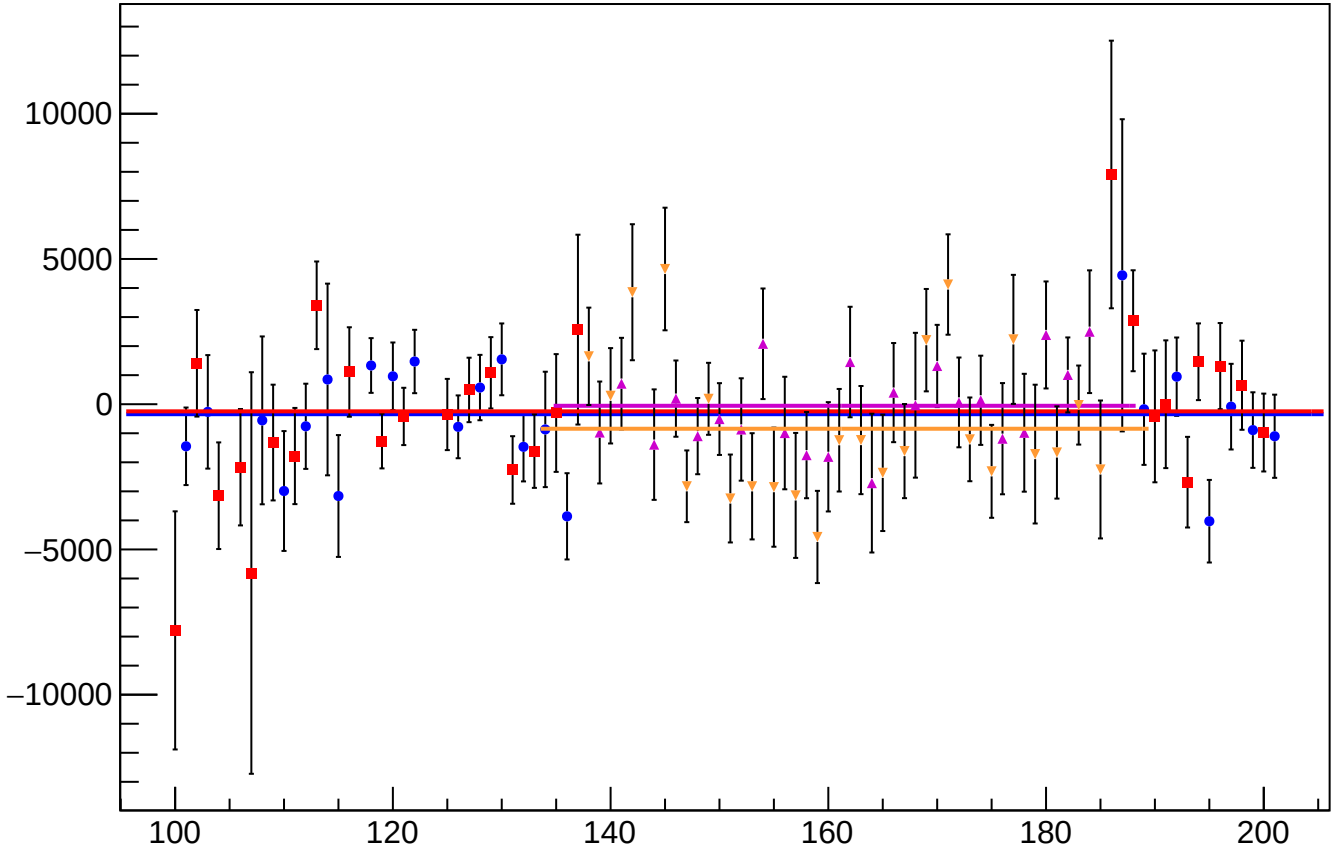
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

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

All: 1104.516+/-0.099 χ^2/NDF: 36698.4/96

- sign 1106.965+/-0.139 χ^2/NDF: 19403.2/49

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: -245.596+/-293.622 χ^2/NDF: 36.0/26

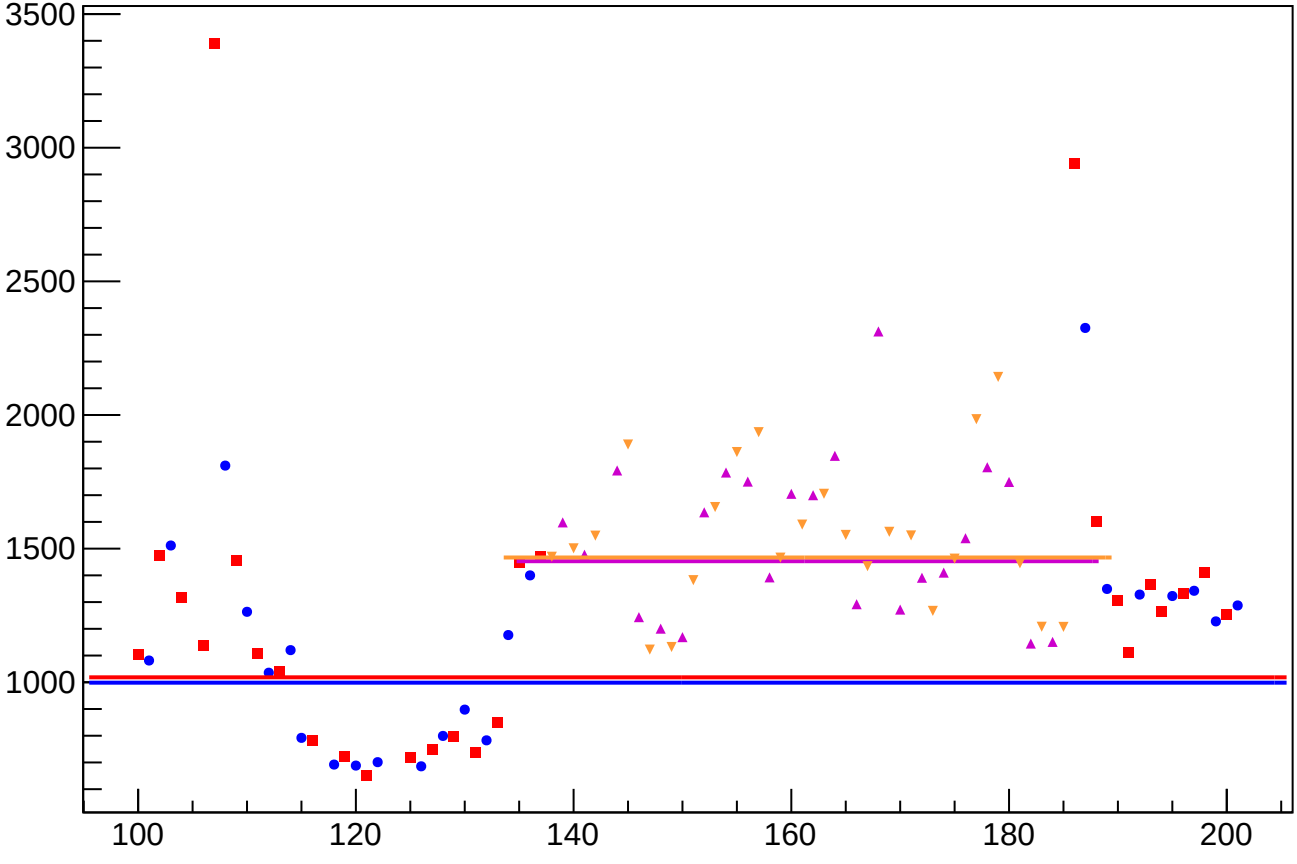
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -358.837+/-159.084 χ^2/NDF: 126.3/96

- sign -165.518+/-223.865 χ^2/NDF: 49.3/49

asym_usl_eigen_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: 1018.514+/-0.208 χ^2/NDF: 2685376.1/26

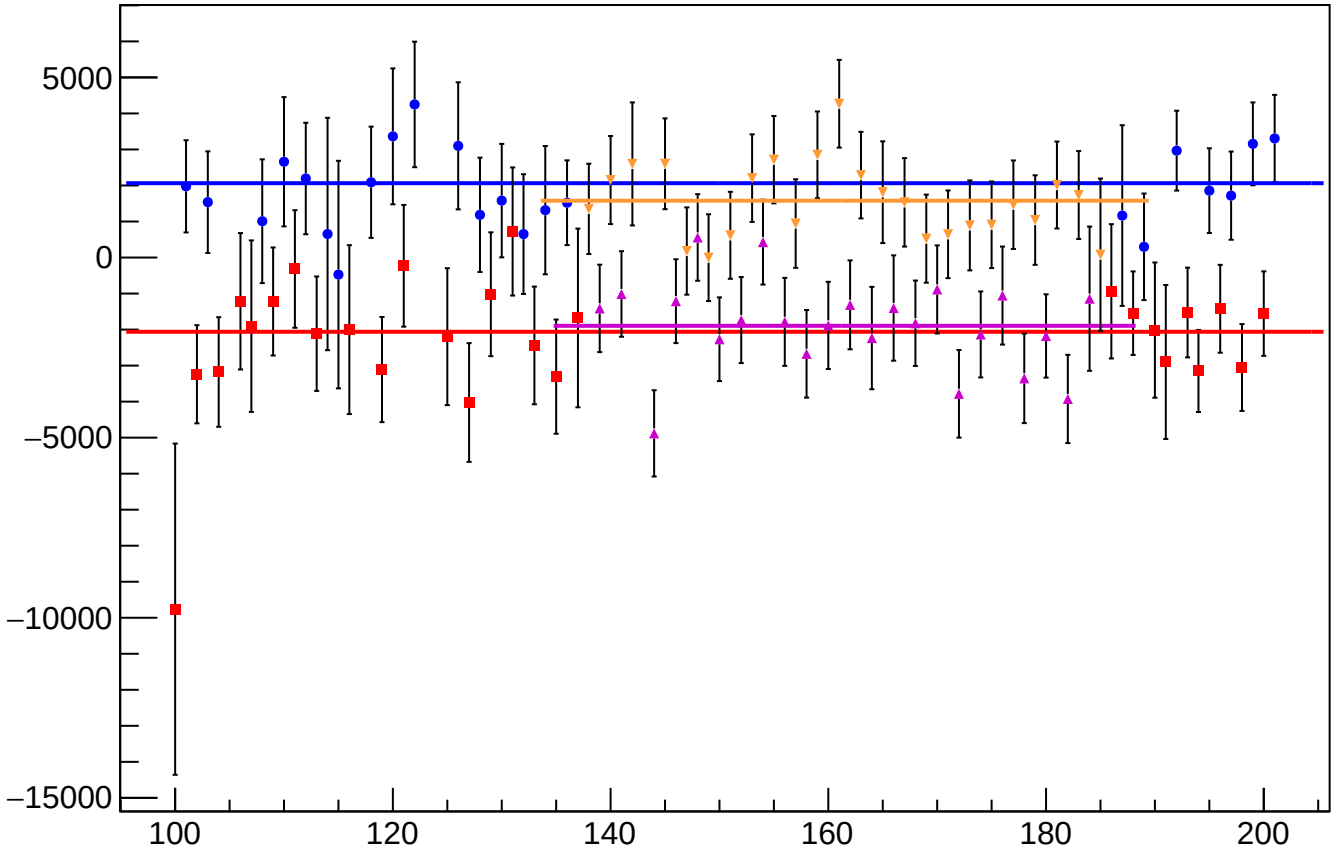
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1198.713+/-0.112 χ^2/NDF: 10786194.7/9

- sign 1200.431+/-0.158 χ^2/NDF: 5648448.5/49

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: -2060.688+/-302.010 χ^2/NDF: 15.3/26

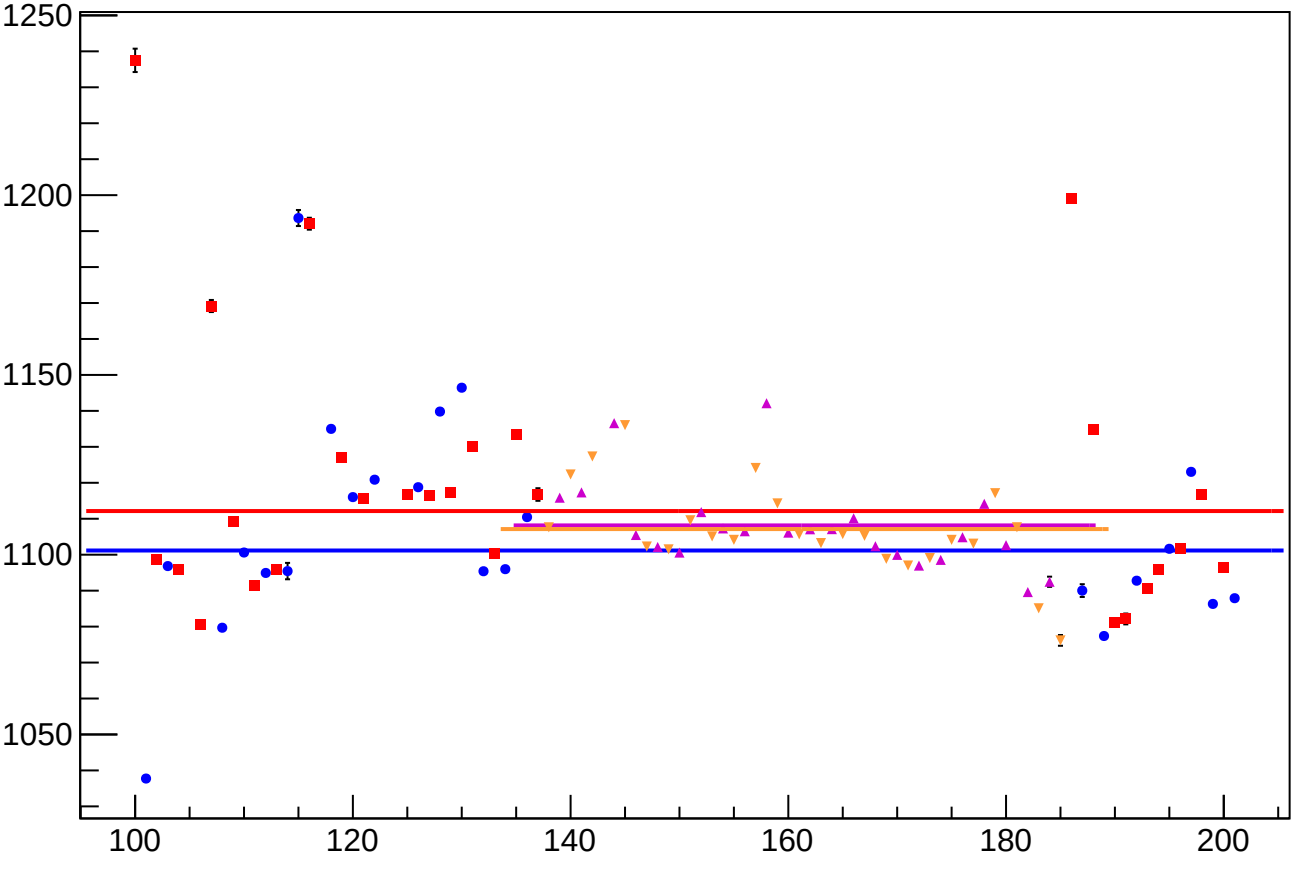
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

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

All: -117.072+/-139.716 χ^2/NDF: 245.2/96

- sign -1965.453+/-196.495 χ^2/NDF: 39.6/49

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: 1112.139+/-0.214 χ^2/NDF: 14997.7/26

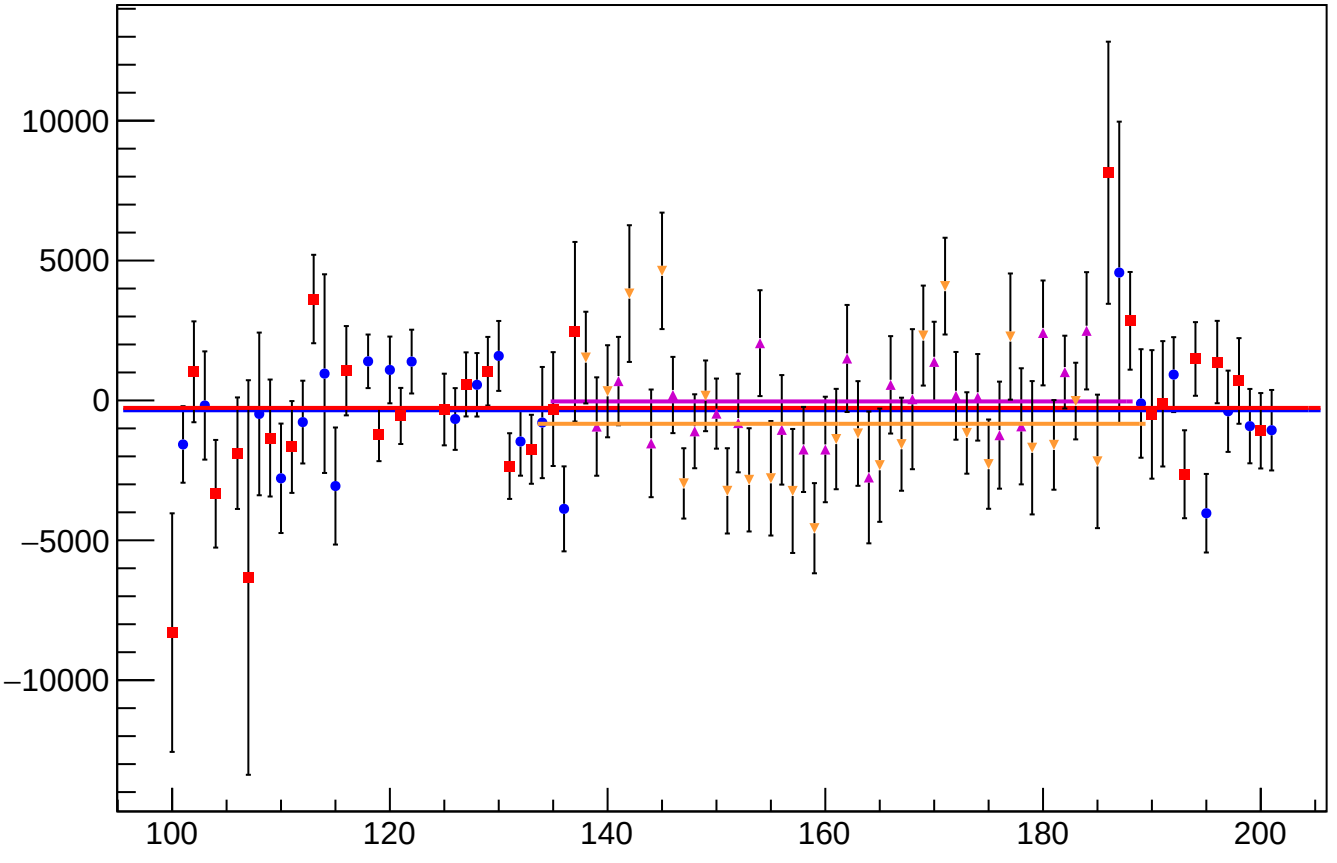
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

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

All: 1107.311+/-0.099 χ^2/NDF: 37697.9/96

- sign 1109.836+/-0.139 χ^2/NDF: 19390.0/49

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: -267.281+/-297.133 χ^2/NDF: 36.3/26

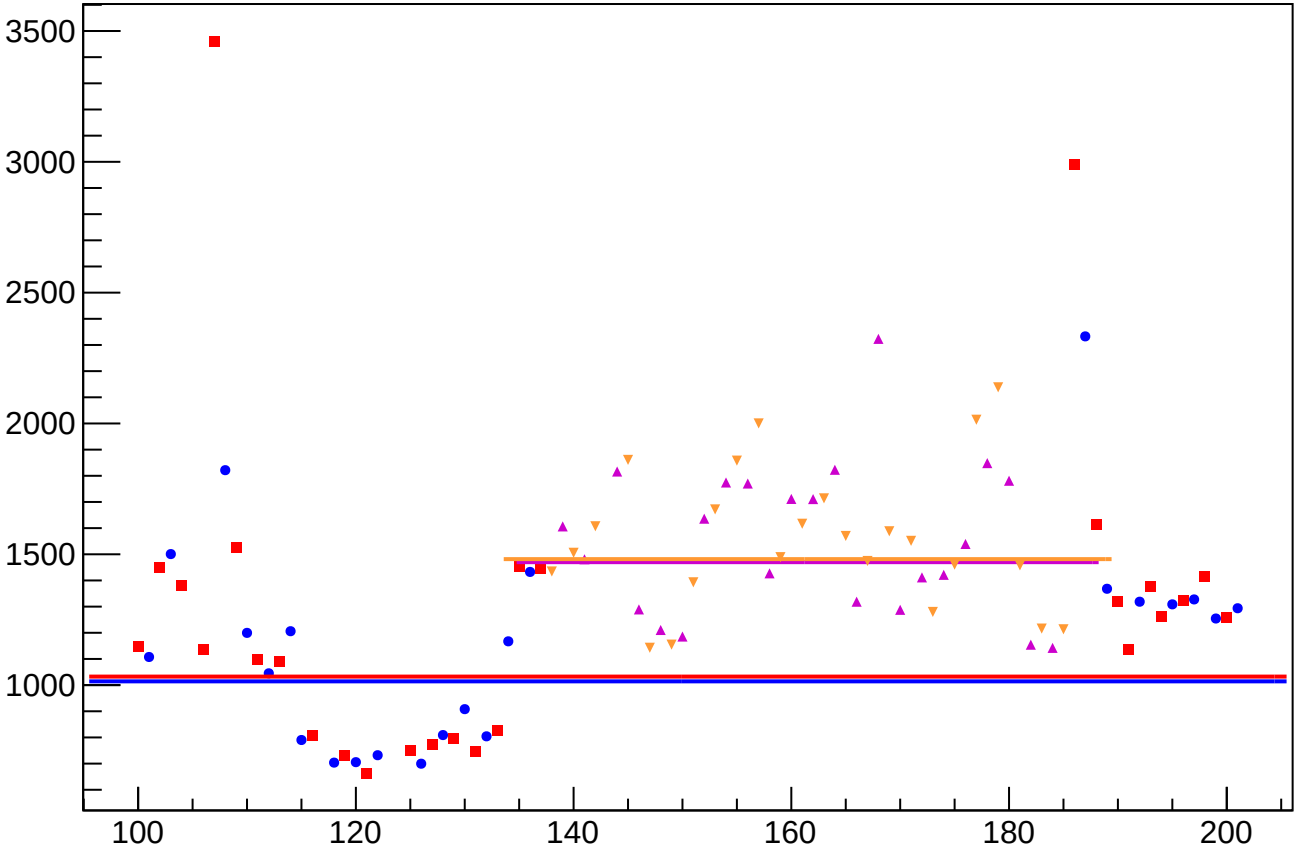
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

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

All: -361.871+/-160.890 χ^2/NDF: 125.6/96

- sign -170.089+/-226.416 χ^2/NDF: 49.6/49

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

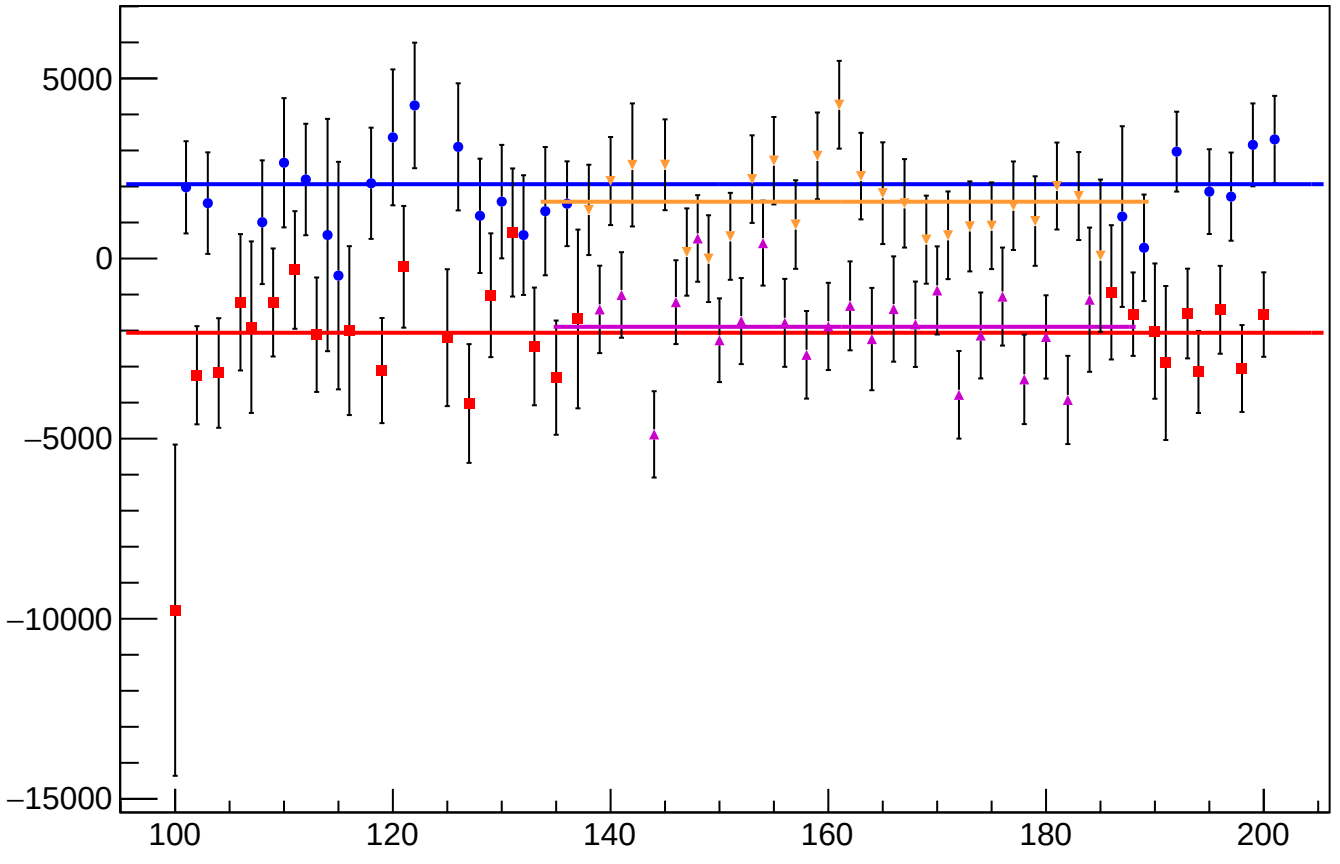
Right Out: 1032.567+/-0.210 χ^2/NDF: 2632142.8/26

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

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

All: 1214.537+/-0.114 χ^2/NDF: 10482825.5/9

- sign 1215.967+/-0.160 χ^2/NDF: 5544173.3/49



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: -2060.686+/-302.010 χ^2/NDF: 15.3/26

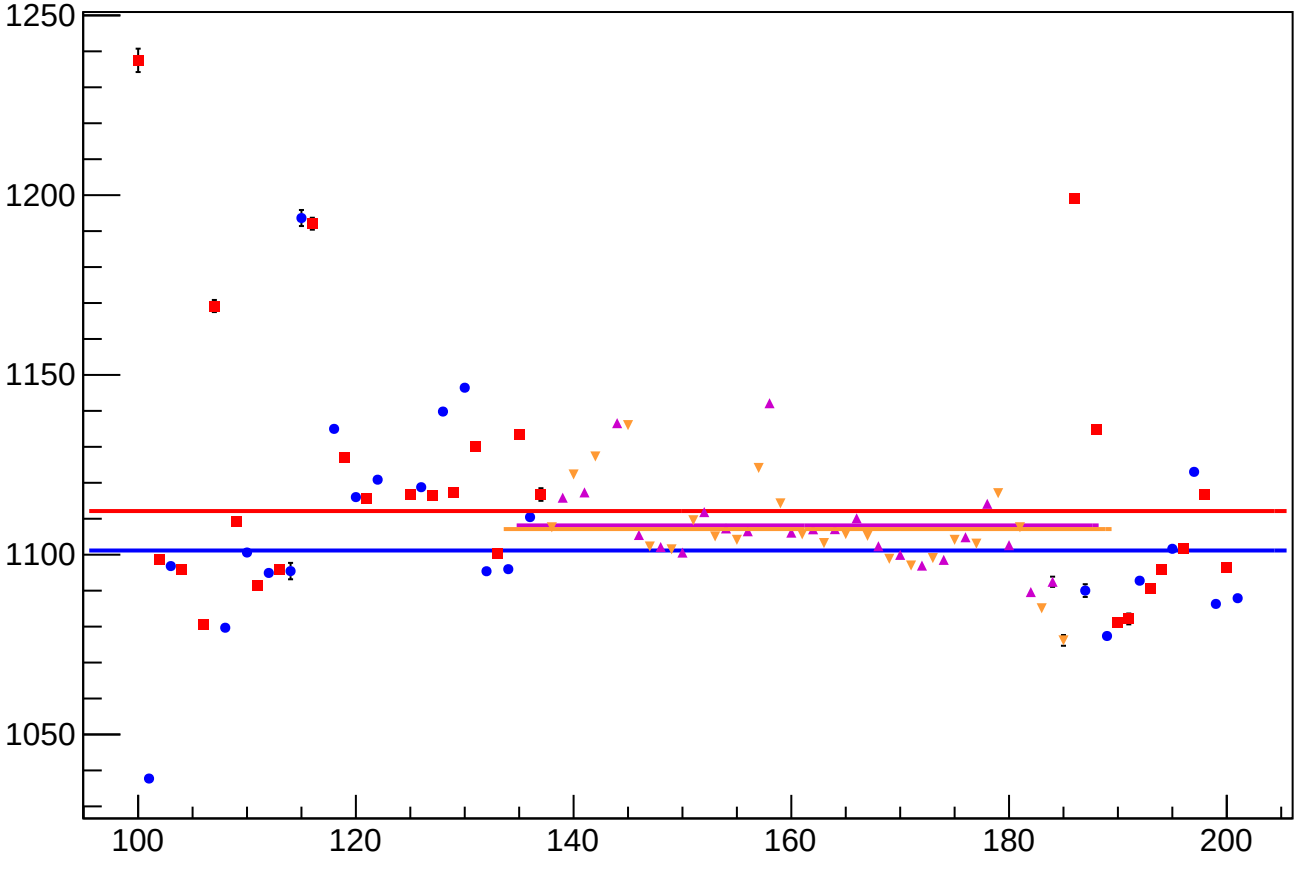
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

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

All: -117.073+/-139.716 χ^2/NDF: 245.2/96

- sign -1965.453+/-196.495 χ^2/NDF: 39.6/49

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: 1112.139+/-0.214 χ^2/NDF: 14997.7/26

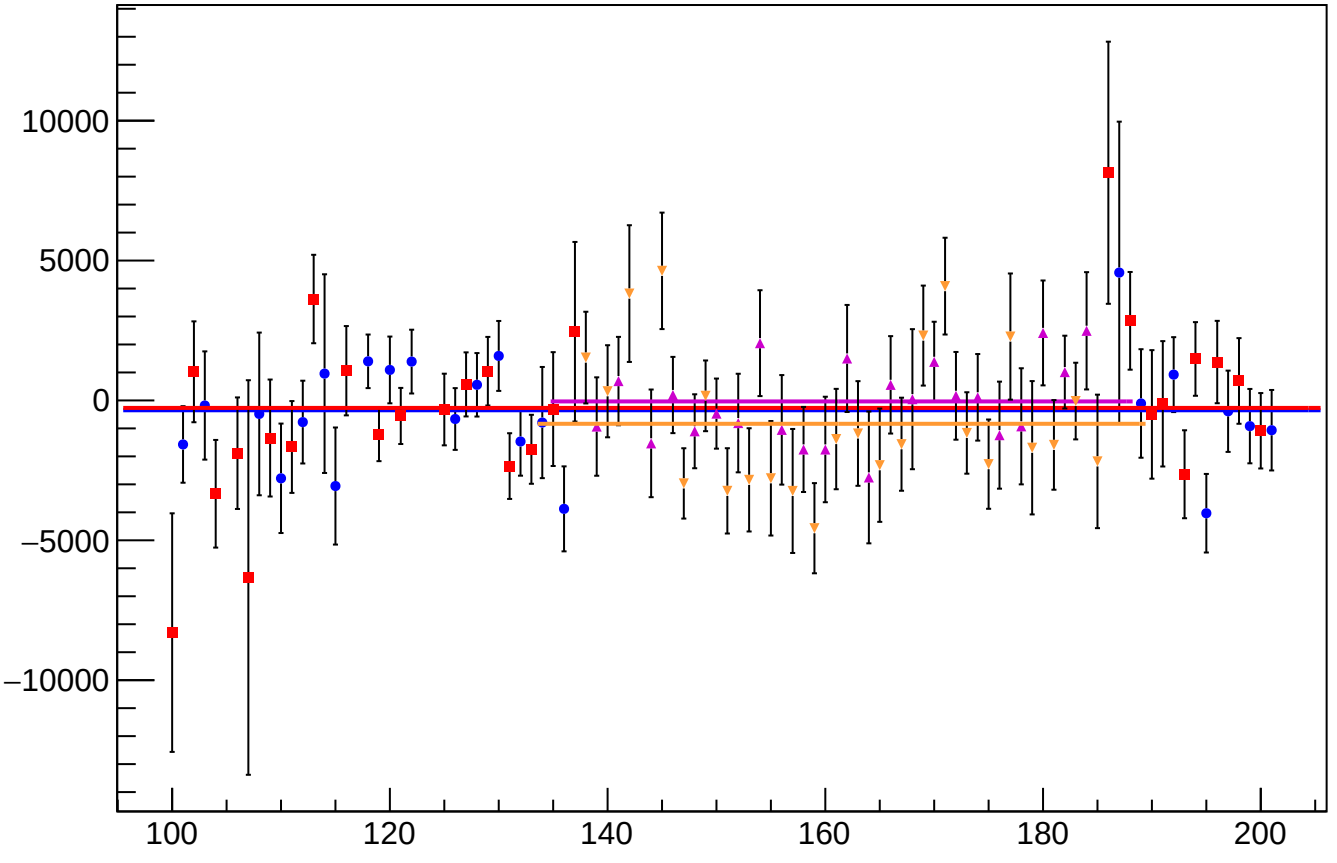
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

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

All: 1107.311+/-0.099 χ^2/NDF: 37697.8/96

- sign 1109.836+/-0.139 χ^2/NDF: 19389.9/49

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: -267.281+/-297.132 χ^2/NDF: 36.3/26

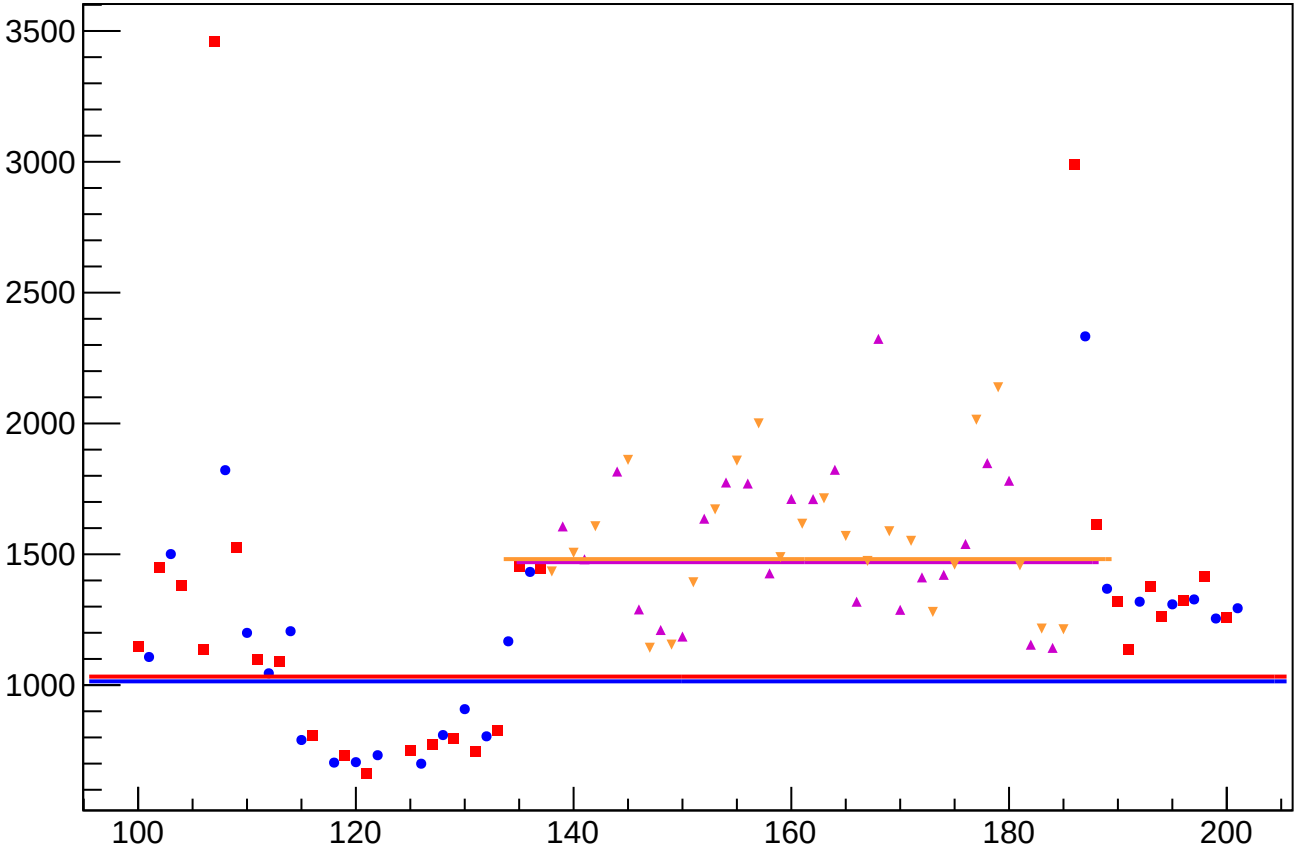
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

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

All: -361.871+/-160.890 χ^2/NDF: 125.6/96

- sign -170.090+/-226.415 χ^2/NDF: 49.6/49

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

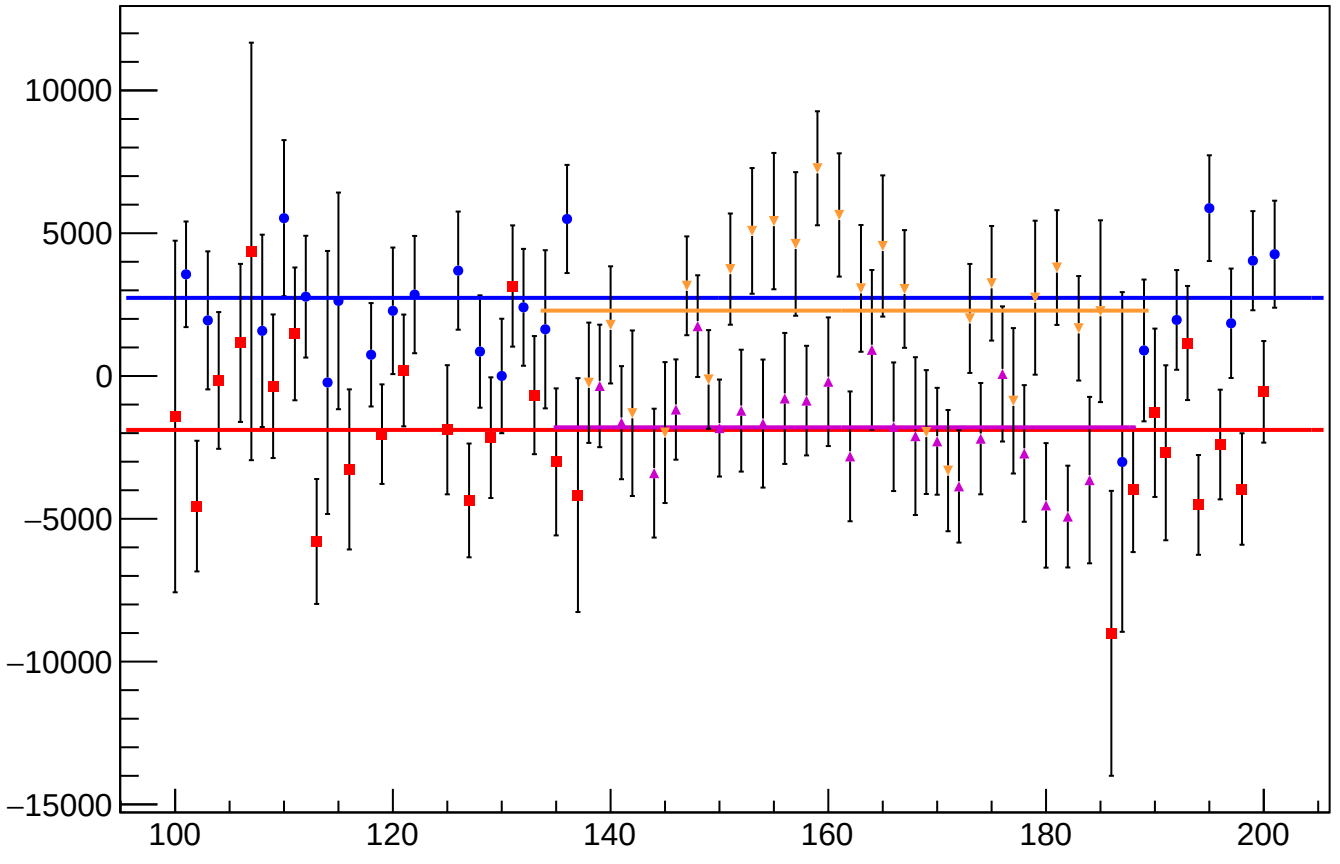
Right Out: 1032.565+/-0.210 χ^2/NDF: 2632156.3/26

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

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

All: 1214.536+/-0.114 χ^2/NDF: 10482902.0/9

- sign 1215.966+/-0.160 χ^2/NDF: 5544212.2/49



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: -1887.625+/-445.043 χ^2/NDF: 28.3/26

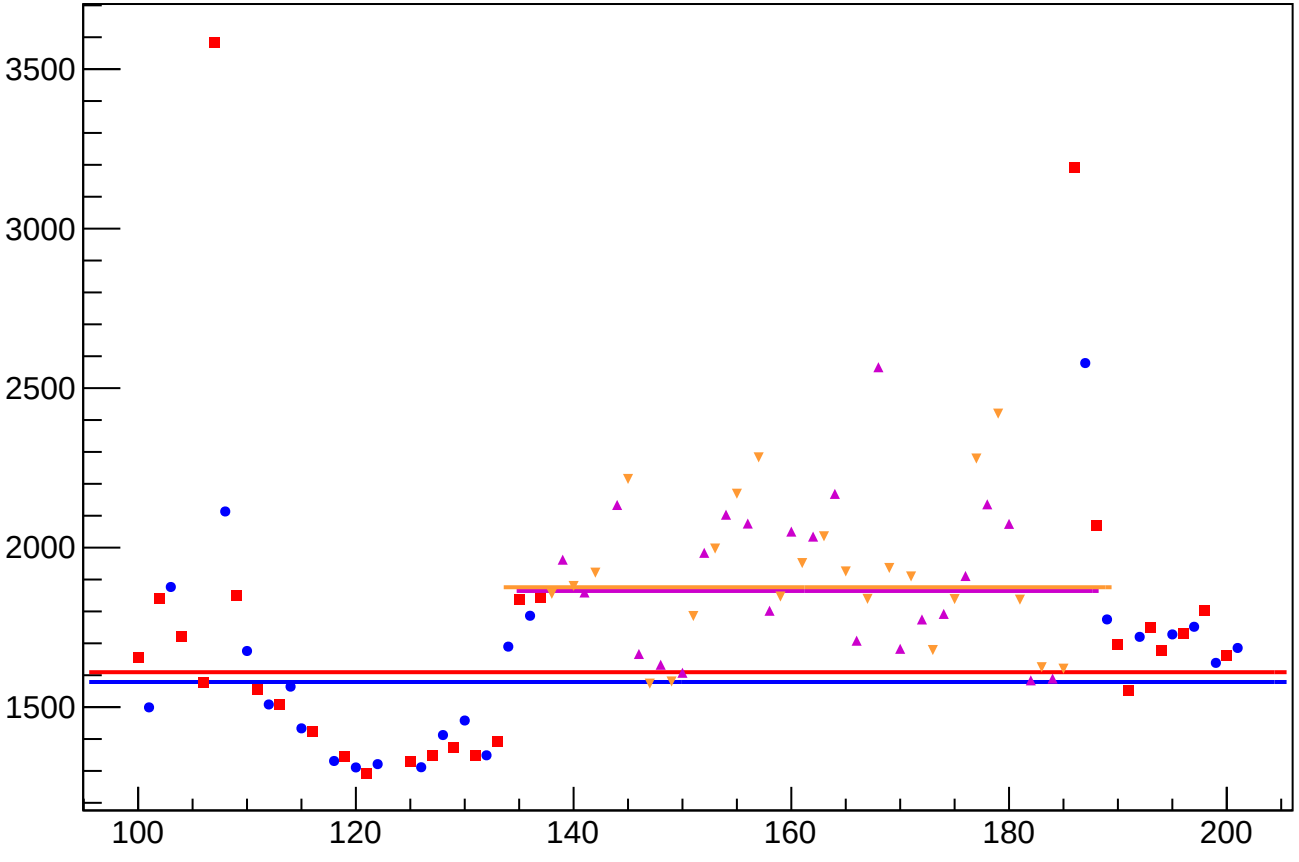
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

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

All: 311.094+/-222.100 χ^2/NDF: 189.3/96

- sign -1841.357+/-312.586 χ^2/NDF: 42.6/49

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

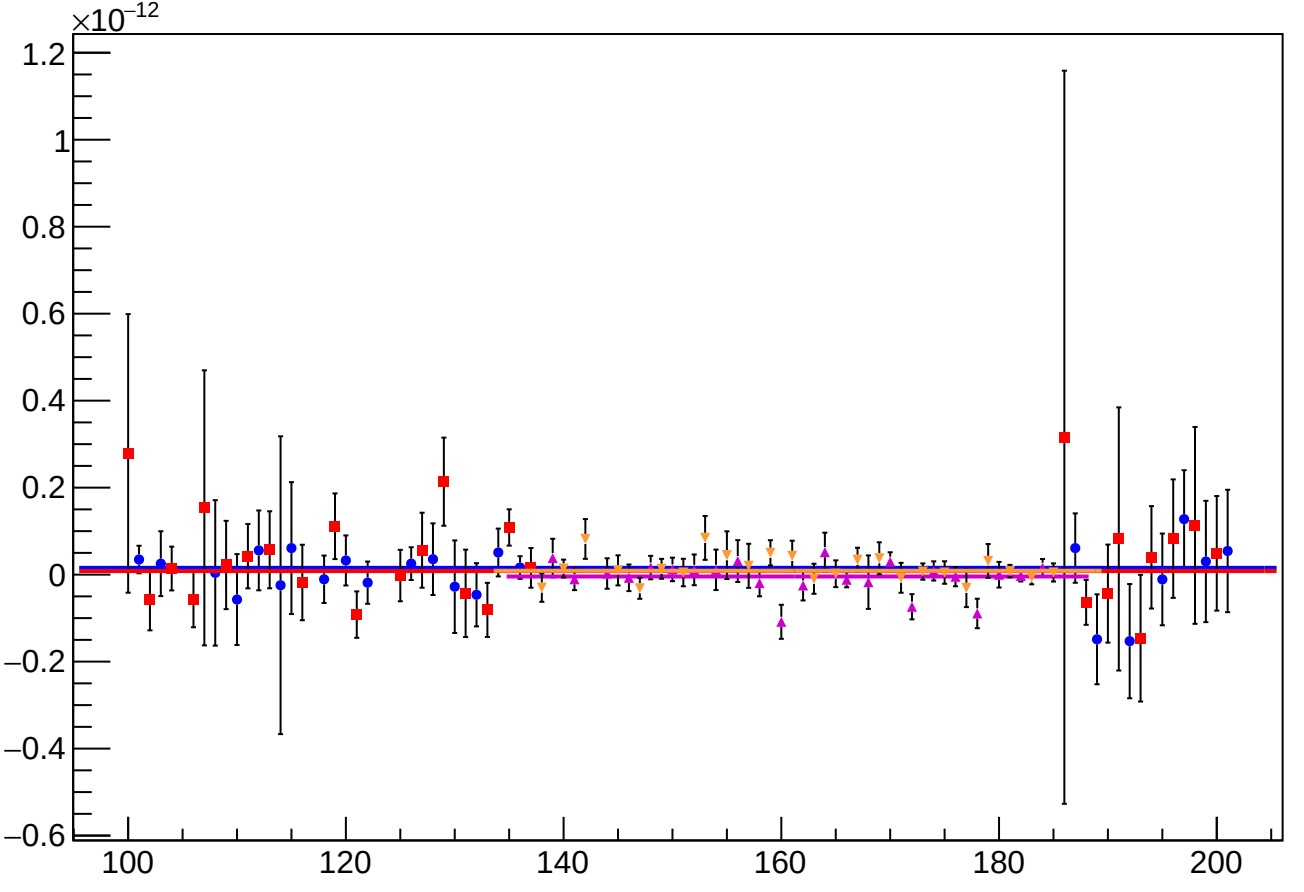
Right Out: 1609.507+/-0.315 χ^2/NDF: 802307.7/26

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

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

All: 1735.344+/-0.157 χ^2/NDF: 2977996.3/96

- sign 1738.534+/-0.221 χ^2/NDF: 1644695.6/49



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: 25.6/26

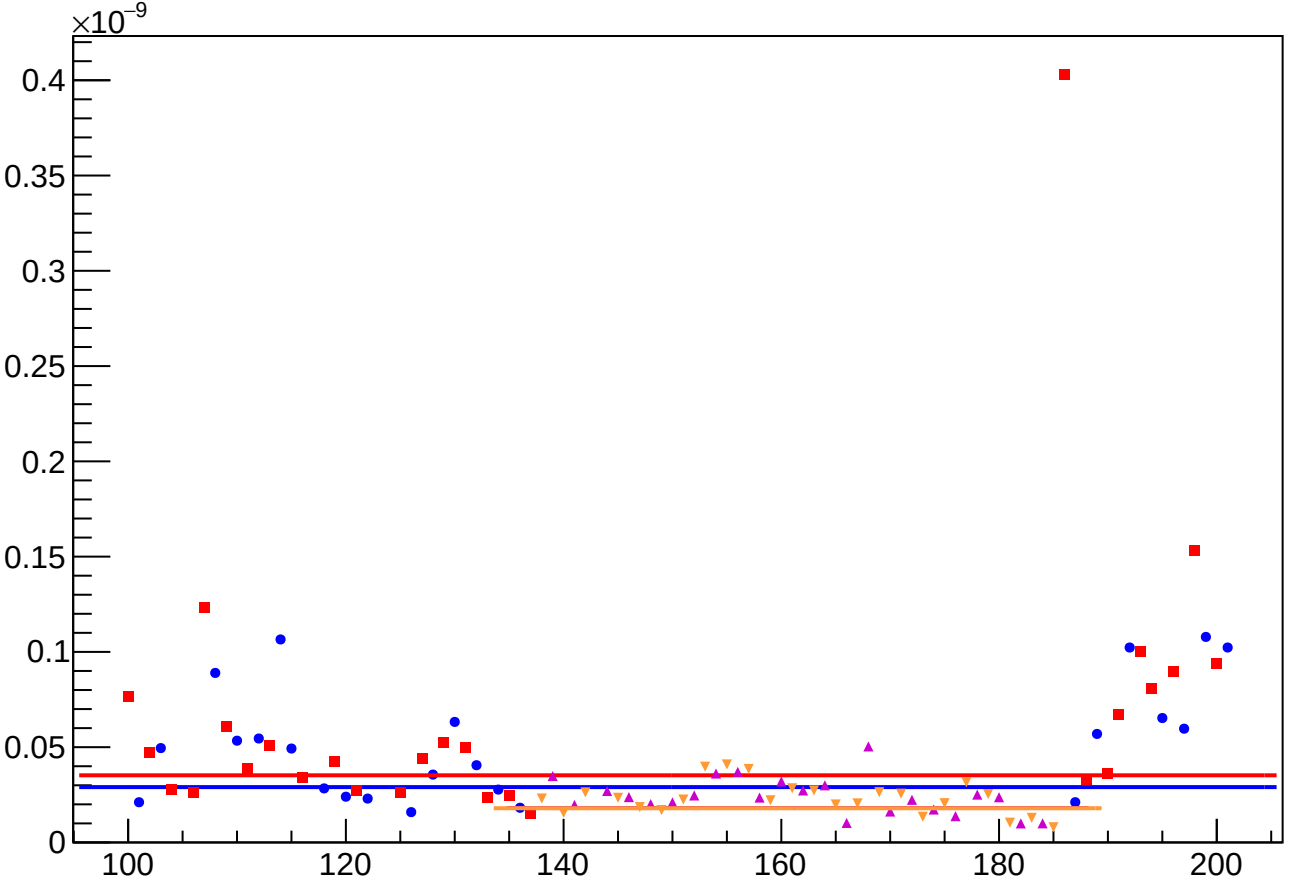
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 25.8/46

All: 0.000+/-0.000 χ^2/NDF: 83.3/96

- sign -0.000+/-0.000 χ^2/NDF: 54.3/49

asym_usl_reg_vs_cor_diff_rms vs Slug



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: 3705318.3/26

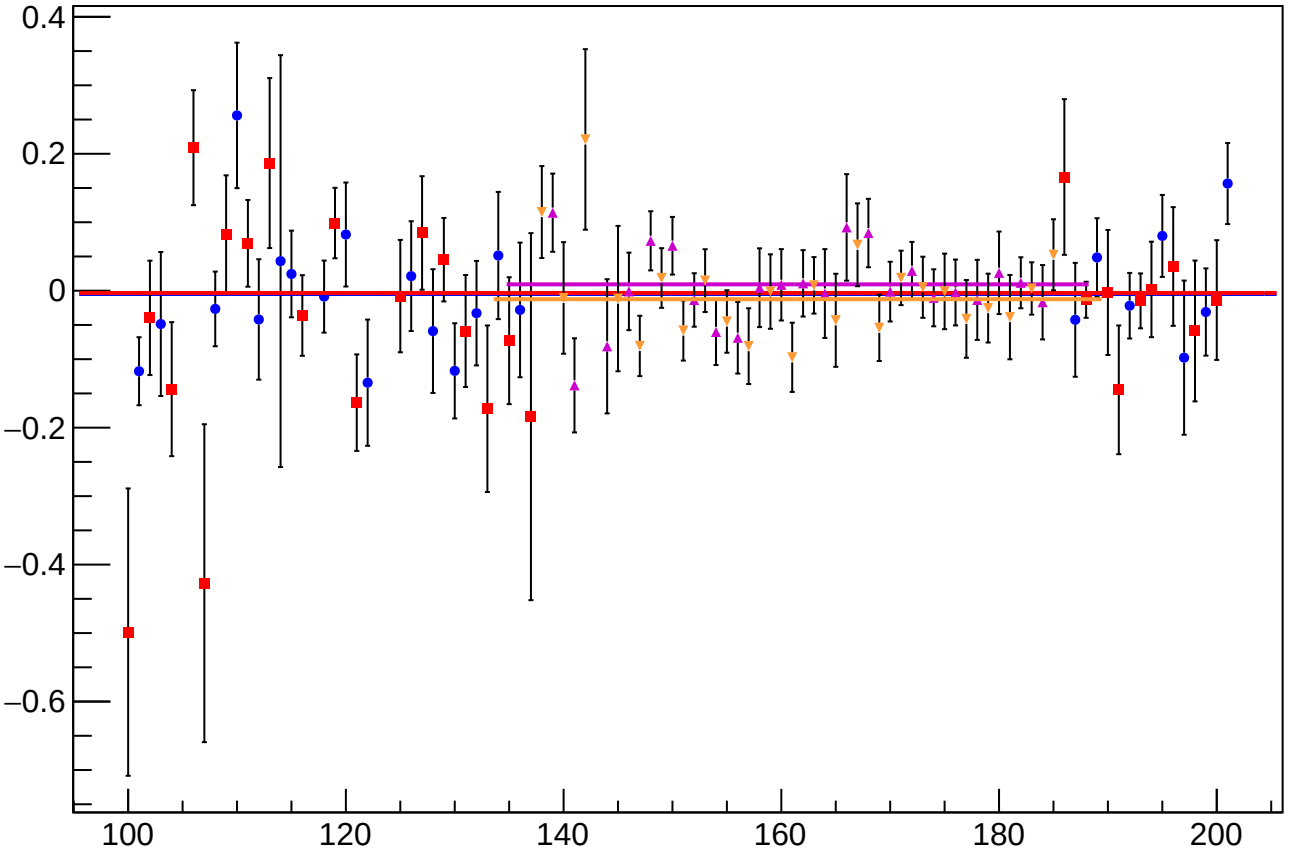
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8944625.1/46

All: 0.000+/-0.000 χ^2/NDF: 19213376.5/96

- sign 0.000+/-0.000 χ^2/NDF: 10259038.6/49

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: -0.003+/-0.013 χ^2/NDF: 42.0/26

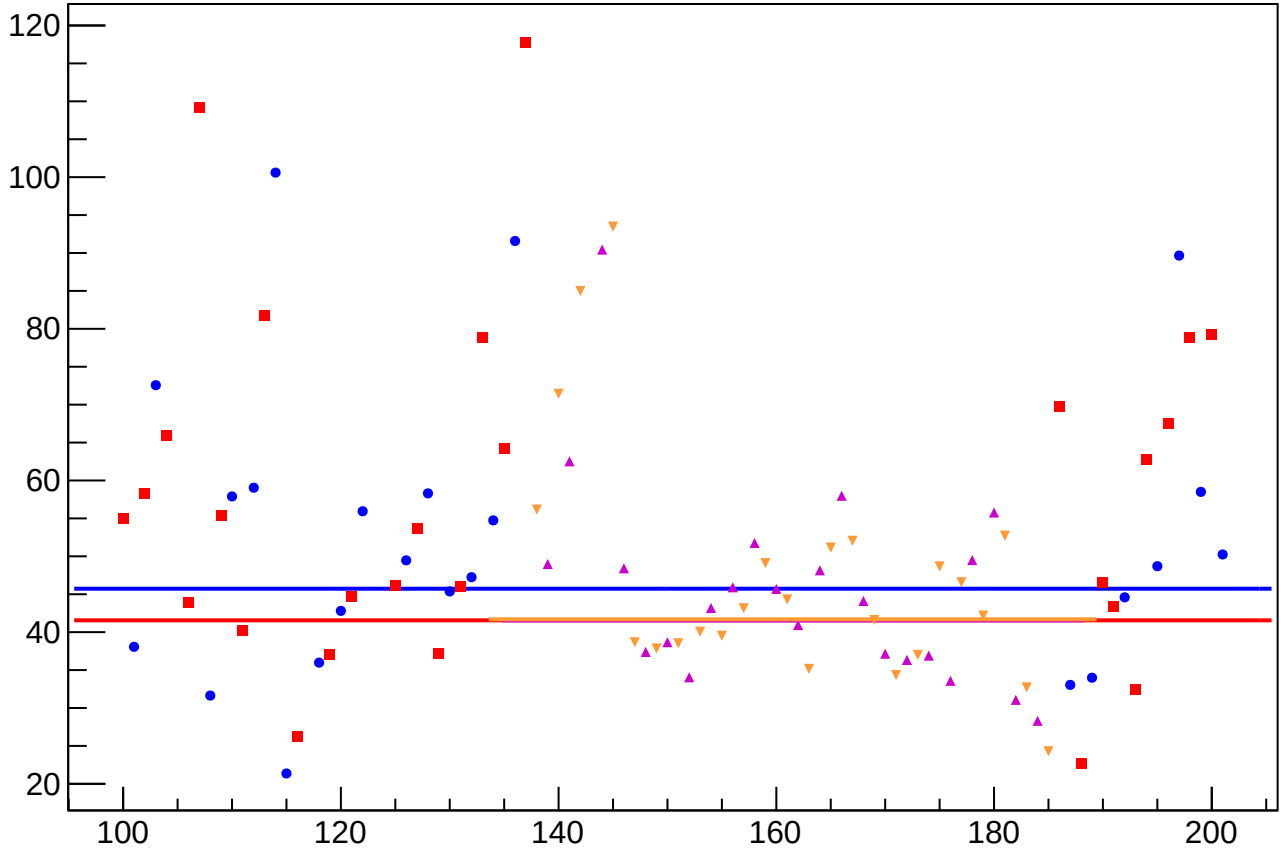
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.010+/-0.009 χ^2/NDF: 52.4/46

All: -0.002+/-0.006 χ^2/NDF: 118.4/96

- sign 0.005+/-0.008 χ^2/NDF: 64.5/49

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: 41.559+/-0.009 χ^2/NDF: 3593296.4/26

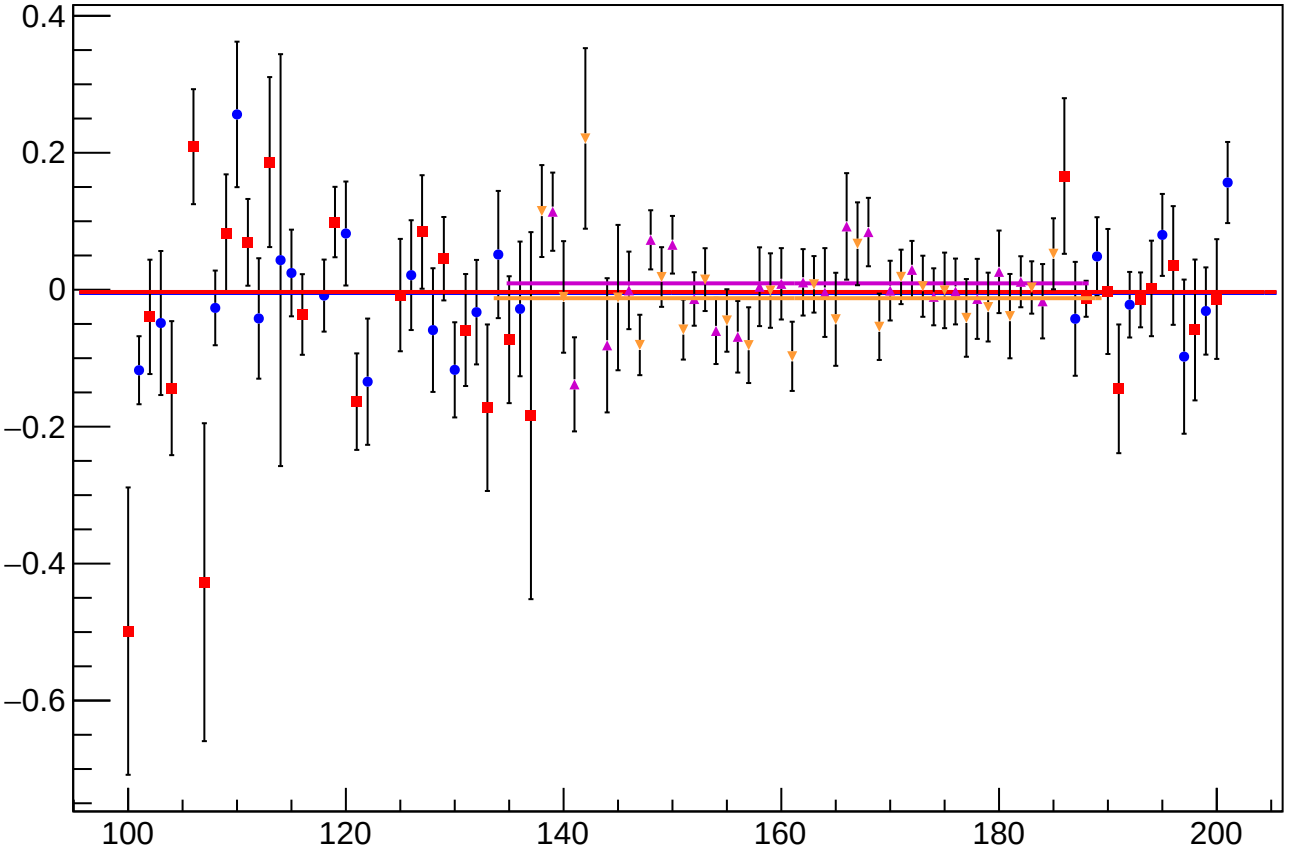
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 43.053+/-0.006 χ^2/NDF: 3794532.0/46

All: 42.277+/-0.004 χ^2/NDF: 9032704.3/96

- sign 41.554+/-0.006 χ^2/NDF: 5206276.7/49

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: -0.003+/-0.013 χ^2/NDF: 42.0/26

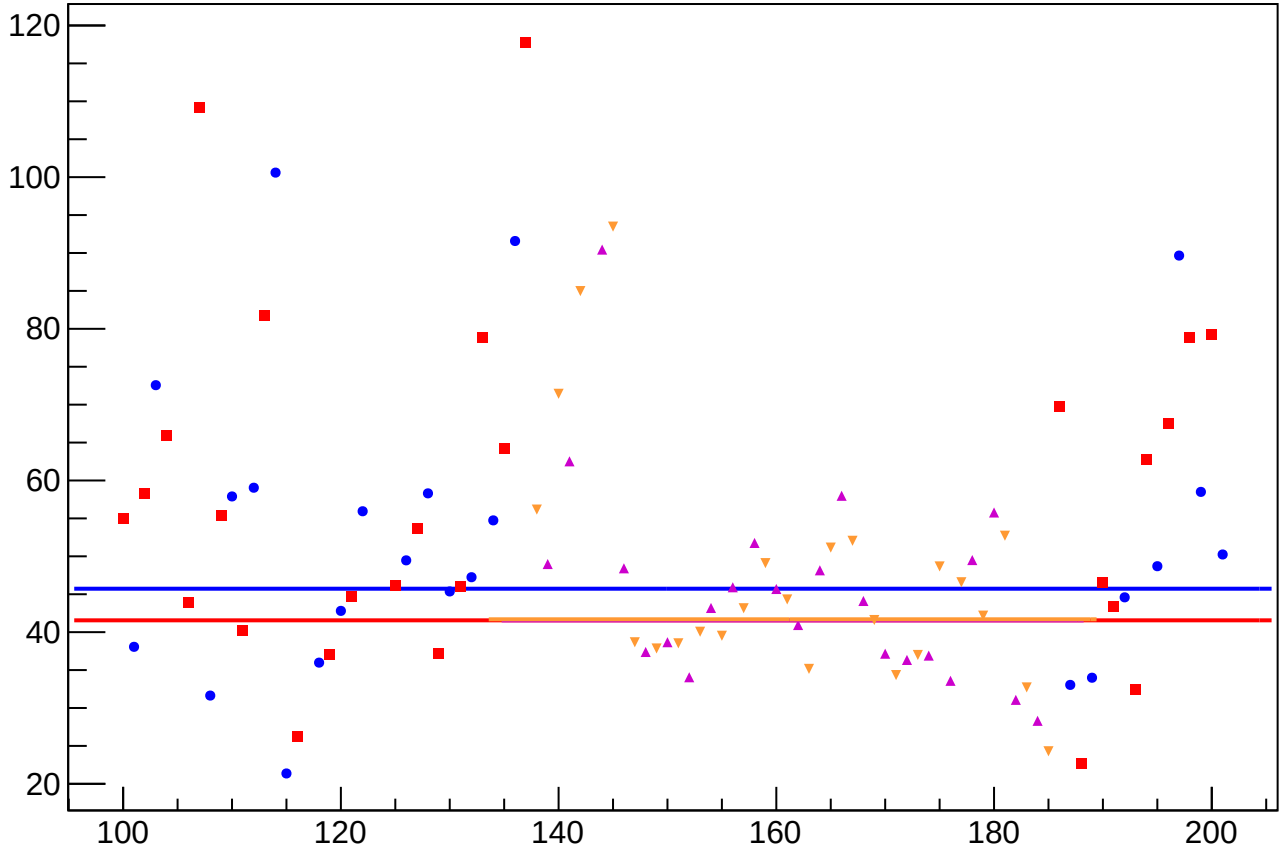
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.010+/-0.009 χ^2/NDF: 52.4/46

All: -0.002+/-0.006 χ^2/NDF: 118.4/96

- sign 0.005+/-0.008 χ^2/NDF: 64.5/49

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: 41.559+/-0.009 χ^2/NDF: 3593296.4/26

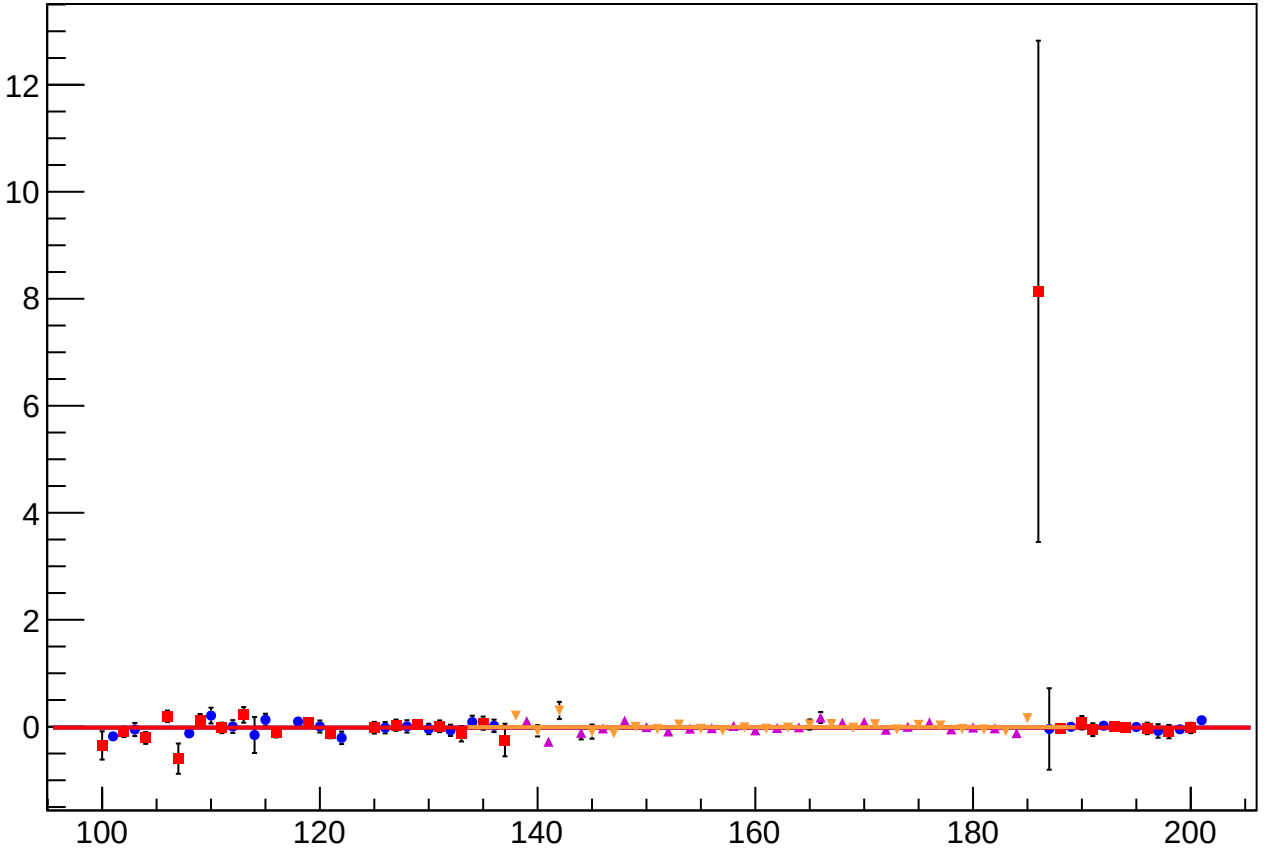
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 43.053+/-0.006 χ^2/NDF: 3794532.0/46

All: 42.277+/-0.004 χ^2/NDF: 9032704.3/96

- sign 41.554+/-0.006 χ^2/NDF: 5206276.7/49

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: -0.015+/-0.020 χ^2/NDF: 27.2/26

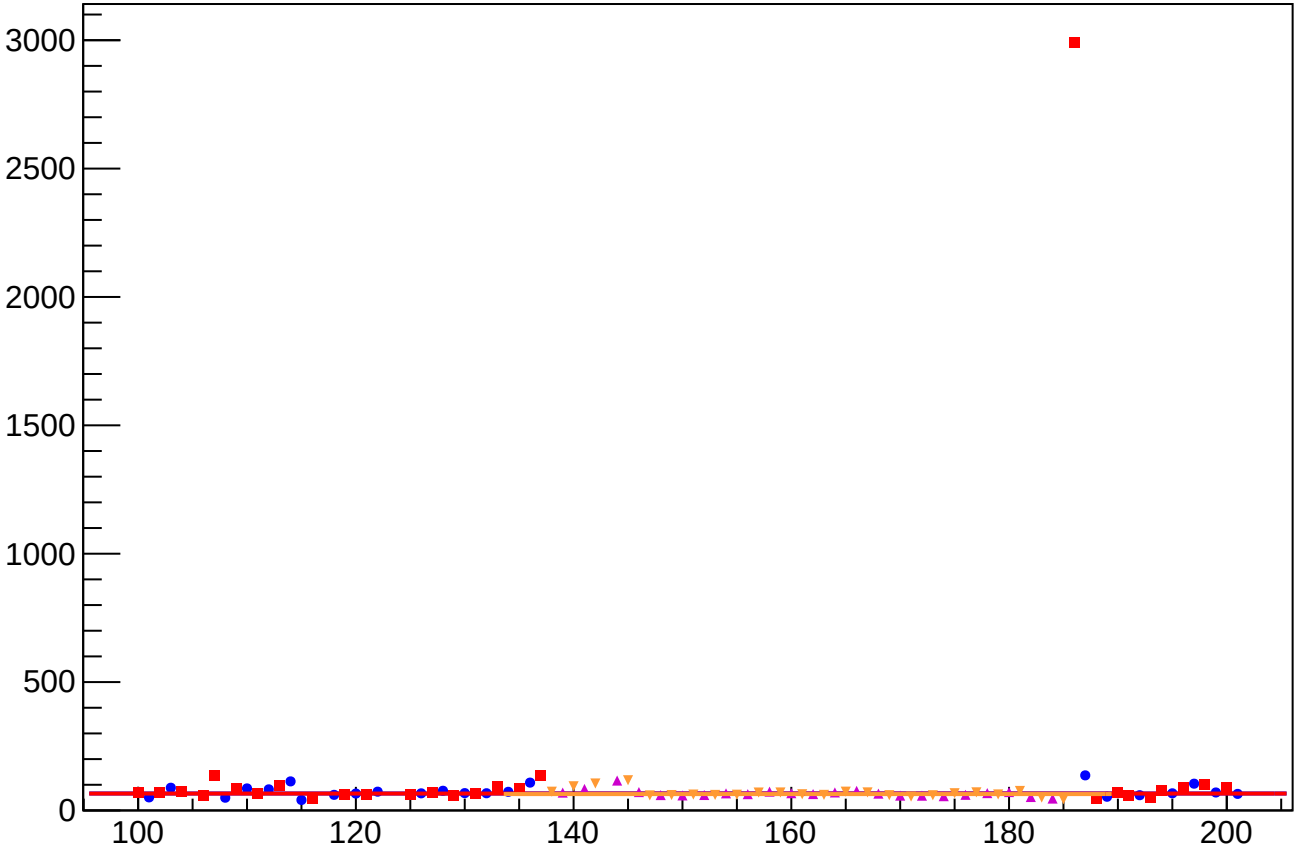
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.010+/-0.012 χ^2/NDF: 46.0/46

All: -0.010+/-0.009 χ^2/NDF: 101.5/96

- sign -0.011+/-0.012 χ^2/NDF: 55.5/49

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: 65.784+/-0.014 χ^2/NDF: 2275559.0/26

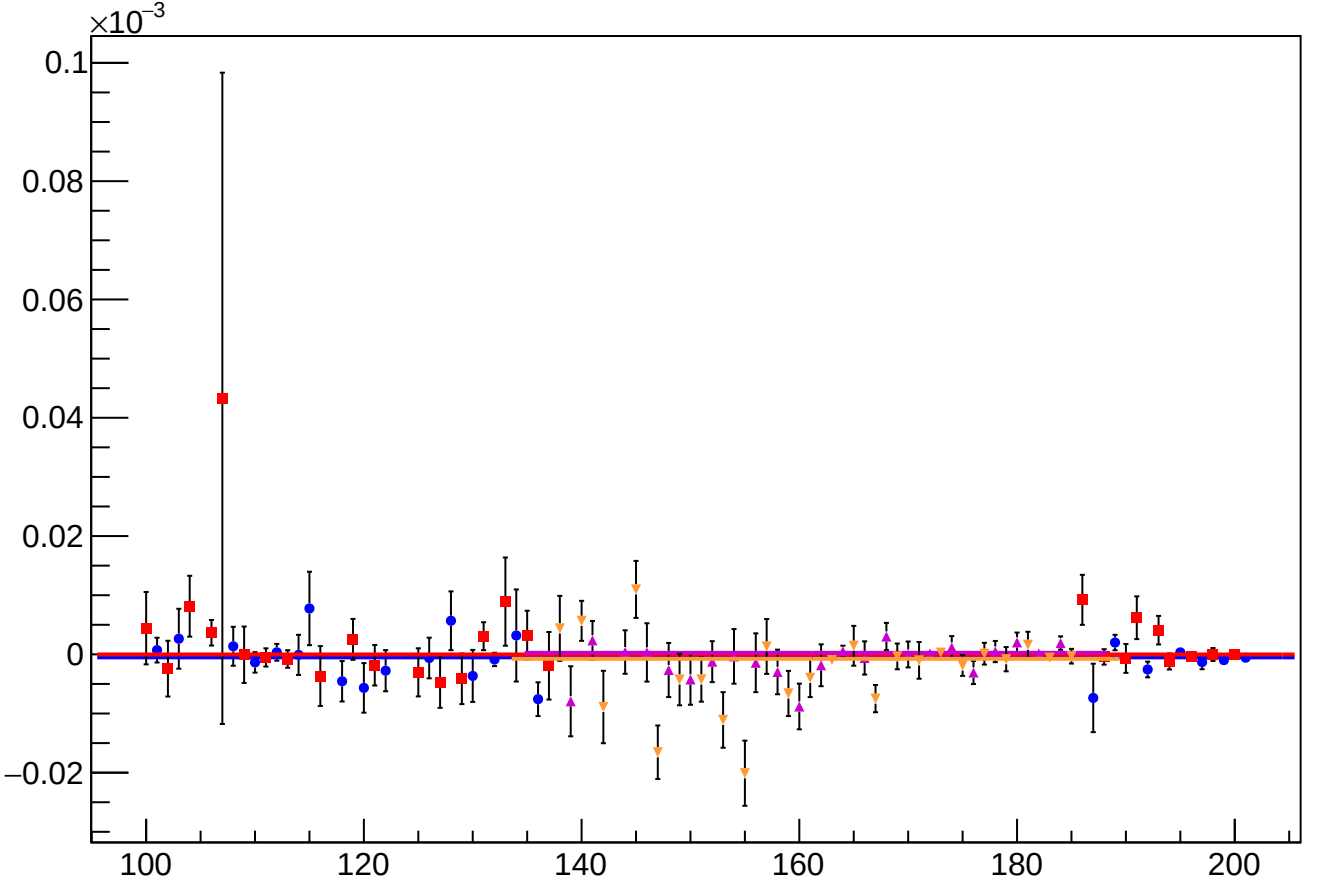
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.625+/-0.009 χ^2/NDF: 2136183.4/46

All: 64.665+/-0.006 χ^2/NDF: 5260321.1/96

- sign 64.705+/-0.009 χ^2/NDF: 3124095.3/49

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: 27.1/26

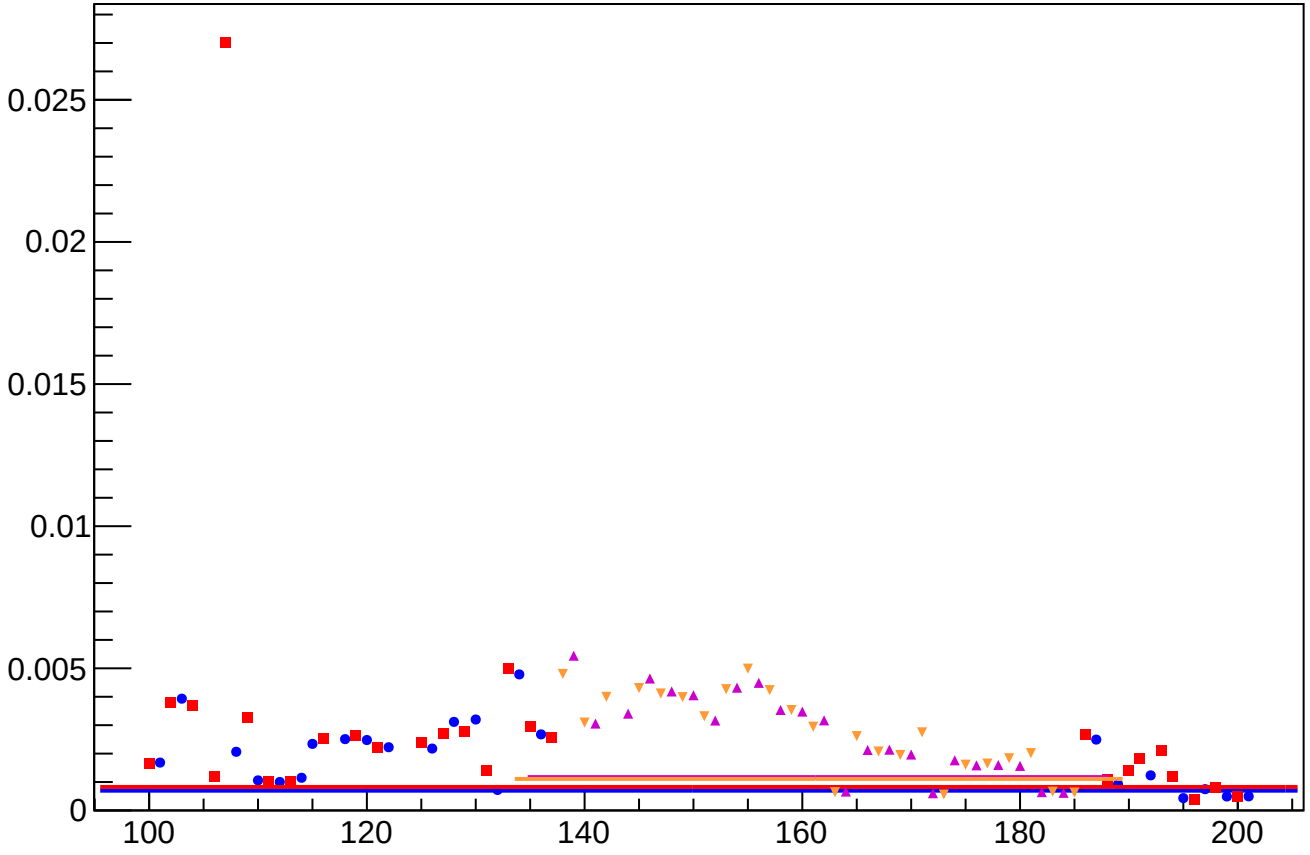
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.1/46

All: -0.000+/-0.000 χ^2/NDF: 138.3/96

- sign 0.000+/-0.000 χ^2/NDF: 46.3/49

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: 9532714.2/26

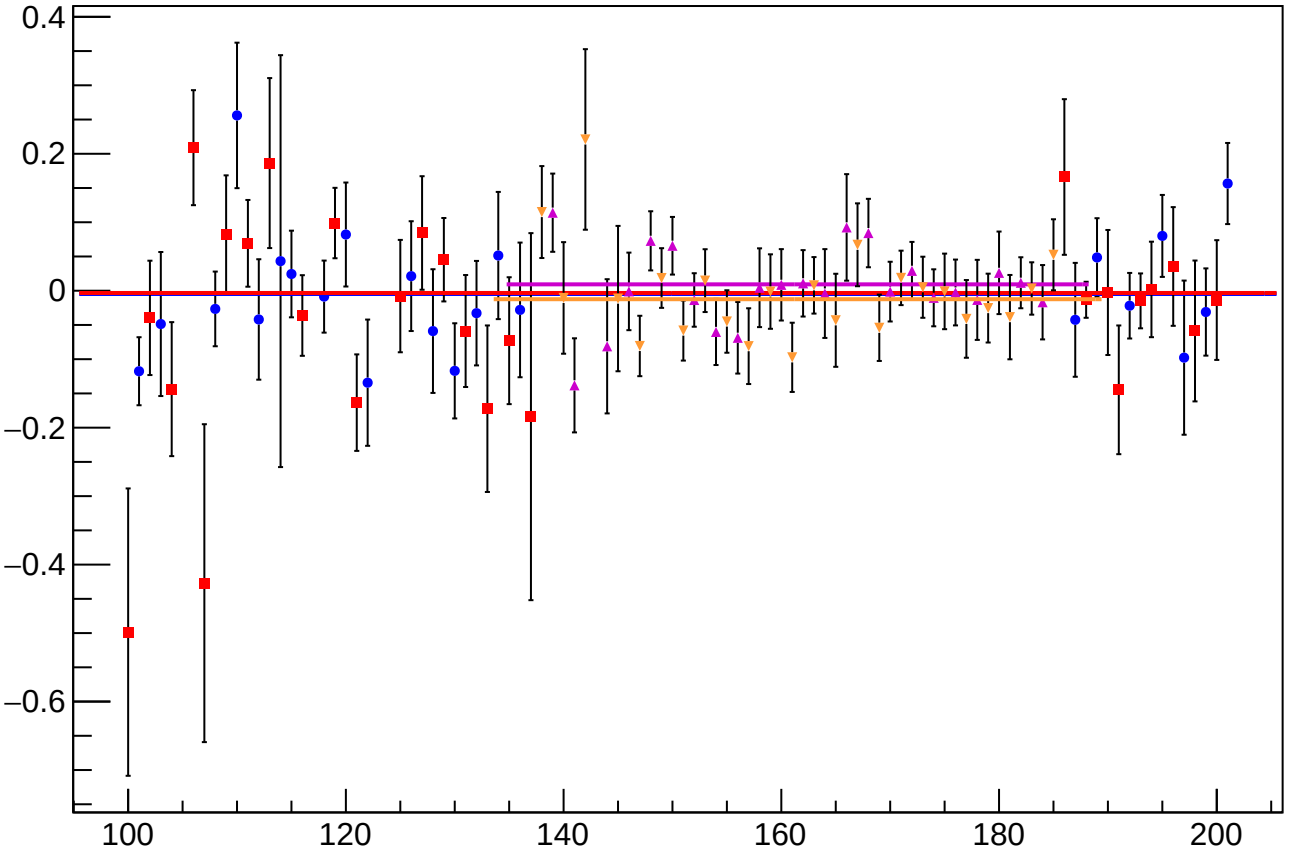
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 25006258.1/46

All: 0.001+/-0.000 χ^2/NDF: 50210313.0/96

- sign 0.001+/-0.000 χ^2/NDF: 24869123.4/49

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: -0.003+/-0.013 χ^2/NDF: 42.0/26

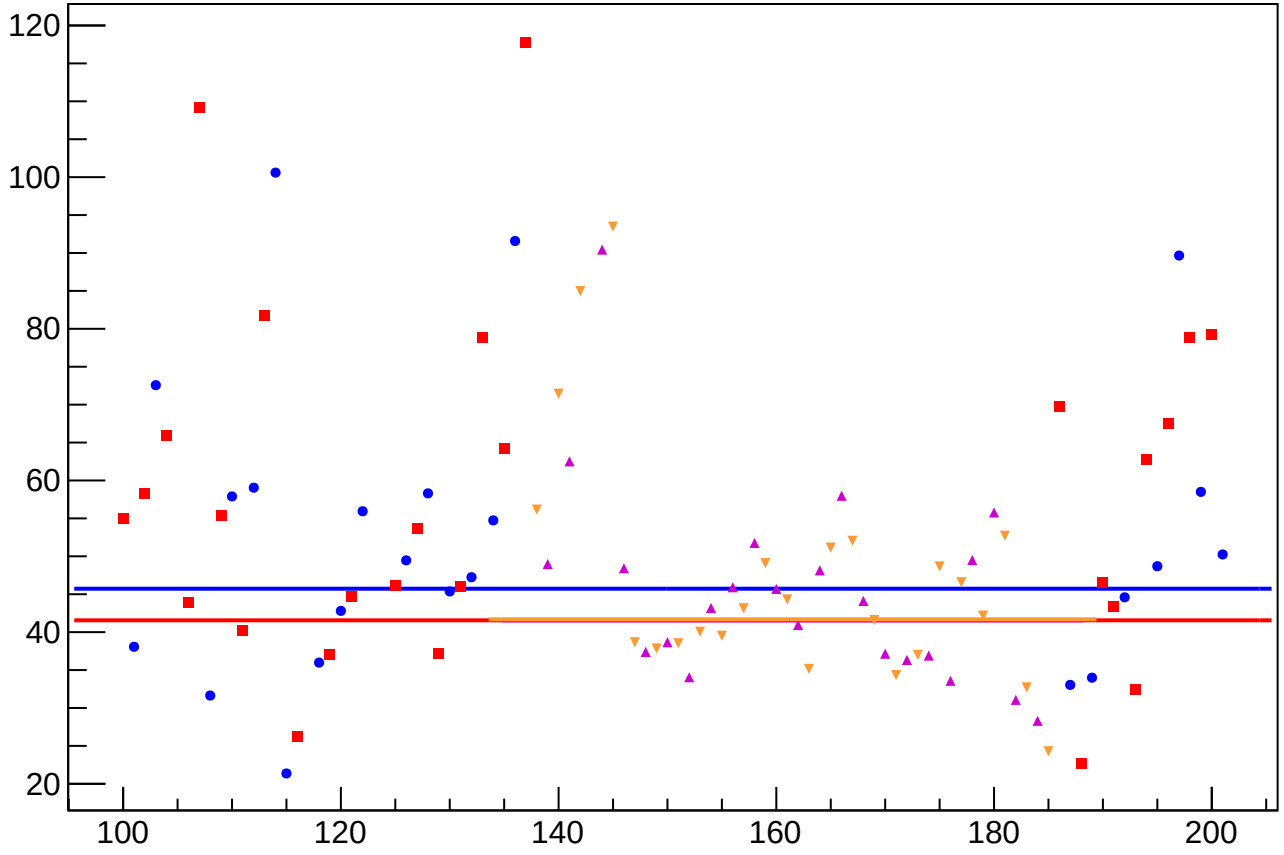
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.010+/-0.009 χ^2/NDF: 52.4/46

All: -0.002+/-0.006 χ^2/NDF: 118.4/96

- sign 0.005+/-0.008 χ^2/NDF: 64.5/49

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

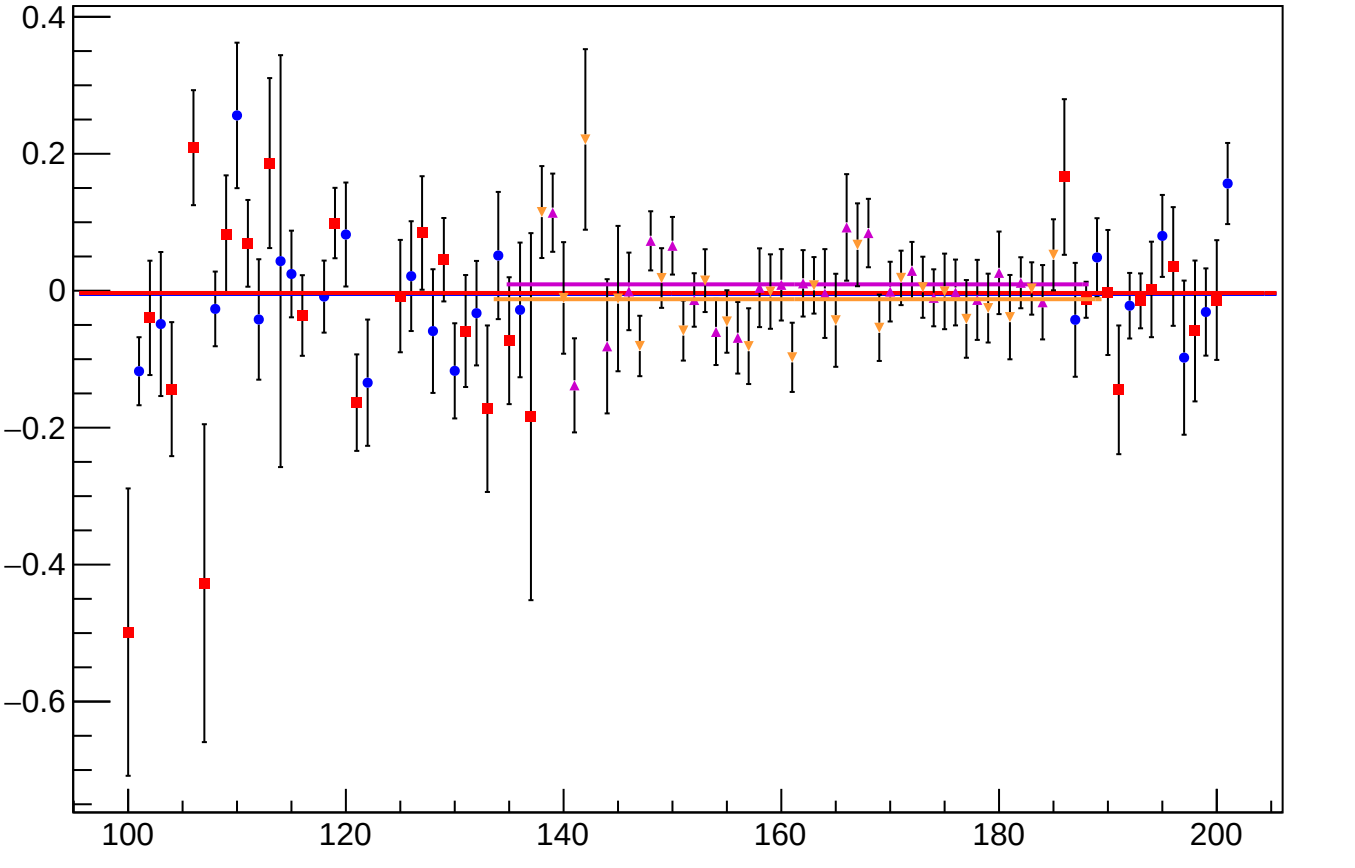
Right Out: 41.559+/-0.009 χ^2/NDF: 3593107.5/26

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 43.053+/-0.006 χ^2/NDF: 3794541.8/46

All: 42.277+/-0.004 χ^2/NDF: 9032472.9/96

- sign 41.554+/-0.006 χ^2/NDF: 5206049.2/49



Right In: -0.005+/-0.015 χ^2/NDF: 30.3/22

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

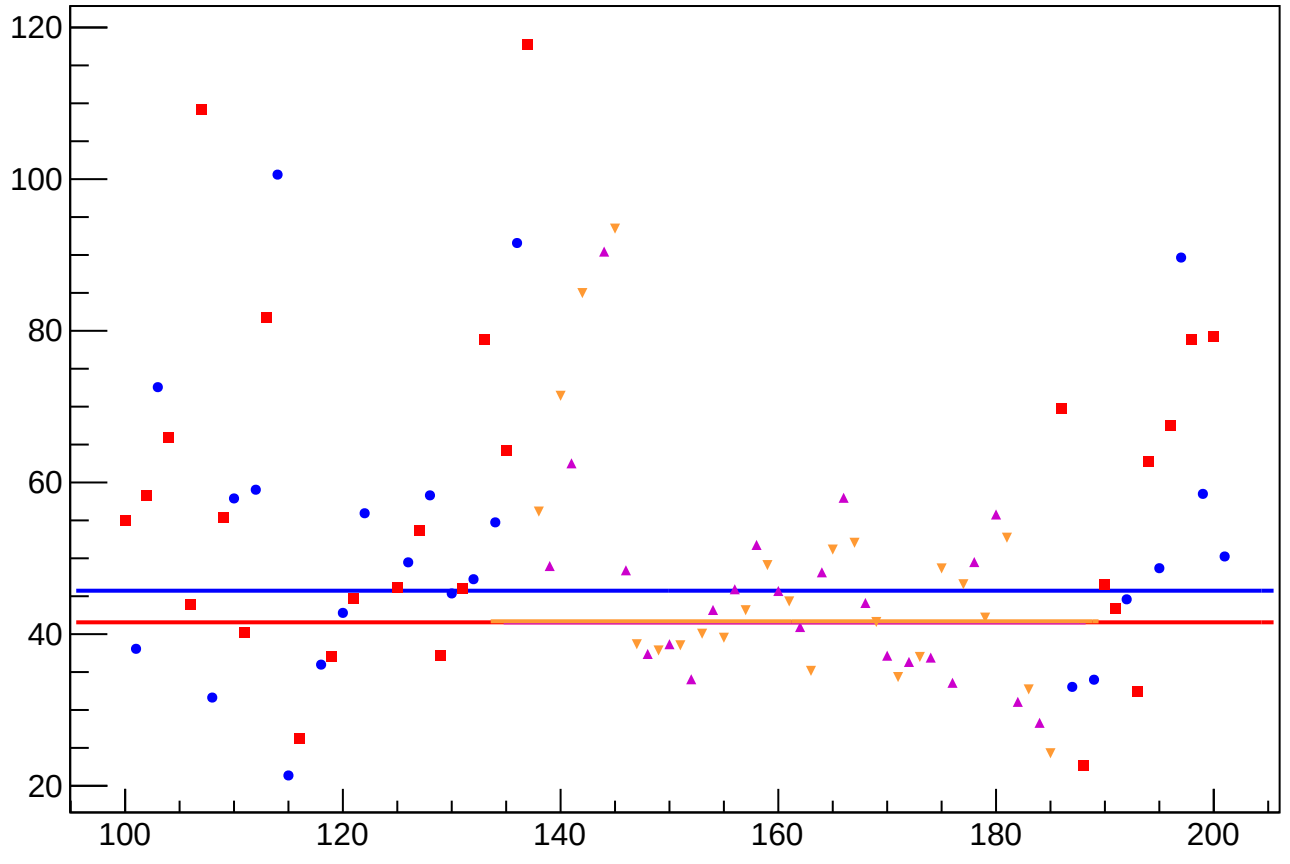
Right Out: -0.003+/-0.013 χ^2/NDF: 42.0/26

Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.010+/-0.009 χ^2/NDF: 52.4/46

All: -0.002+/-0.006 χ^2/NDF: 118.4/96

- sign 0.005+/-0.008 χ^2/NDF: 64.5/49



Right In: 45.728+/-0.010 χ^2/NDF: 1873245.0/22

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

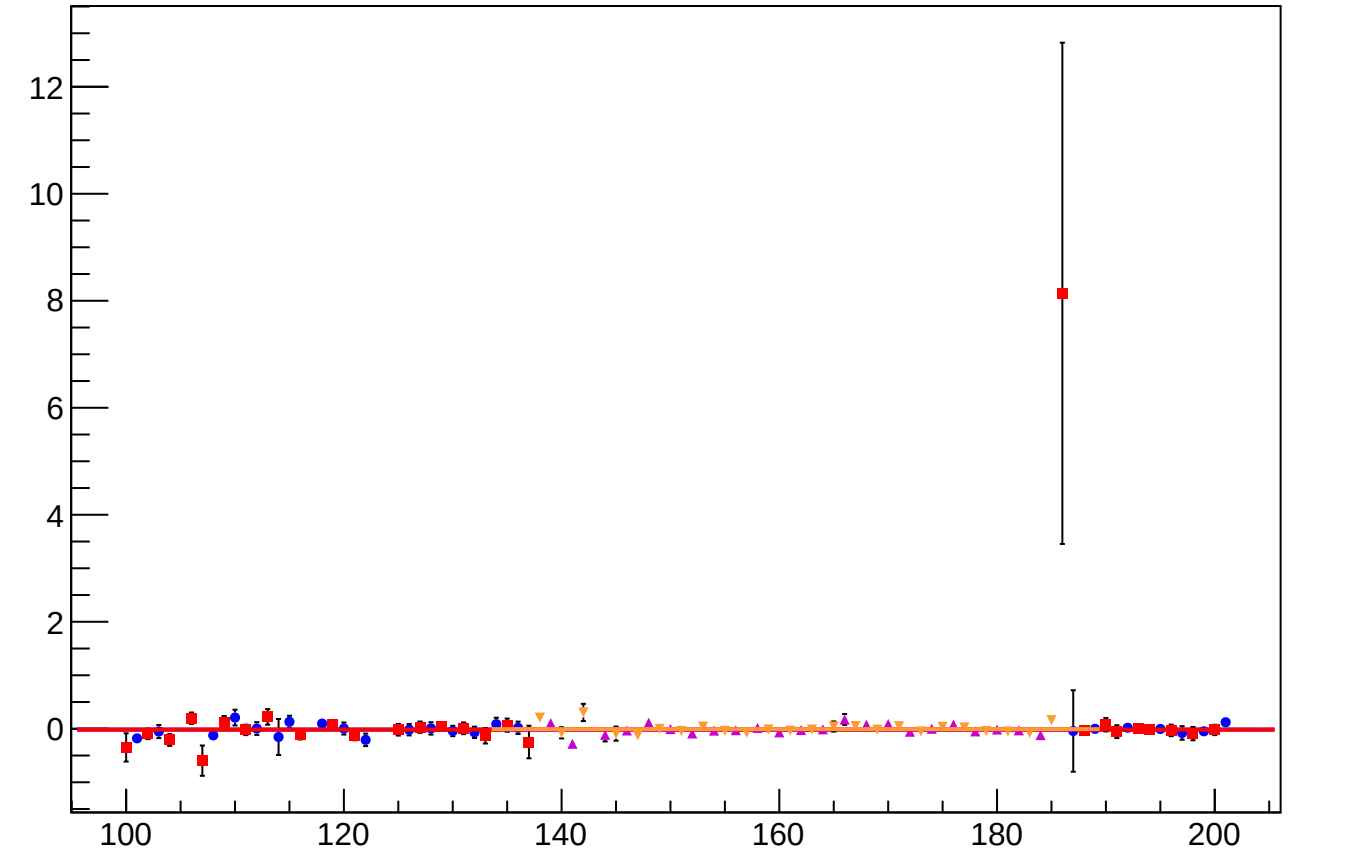
Right Out: 41.559+/-0.009 χ^2/NDF: 3593107.5/26

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 43.053+/-0.006 χ^2/NDF: 3794541.8/46

All: 42.277+/-0.004 χ^2/NDF: 9032472.9/96

- sign 41.554+/-0.006 χ^2/NDF: 5206049.2/49



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: -0.015+/-0.020 χ^2/NDF: 27.2/26

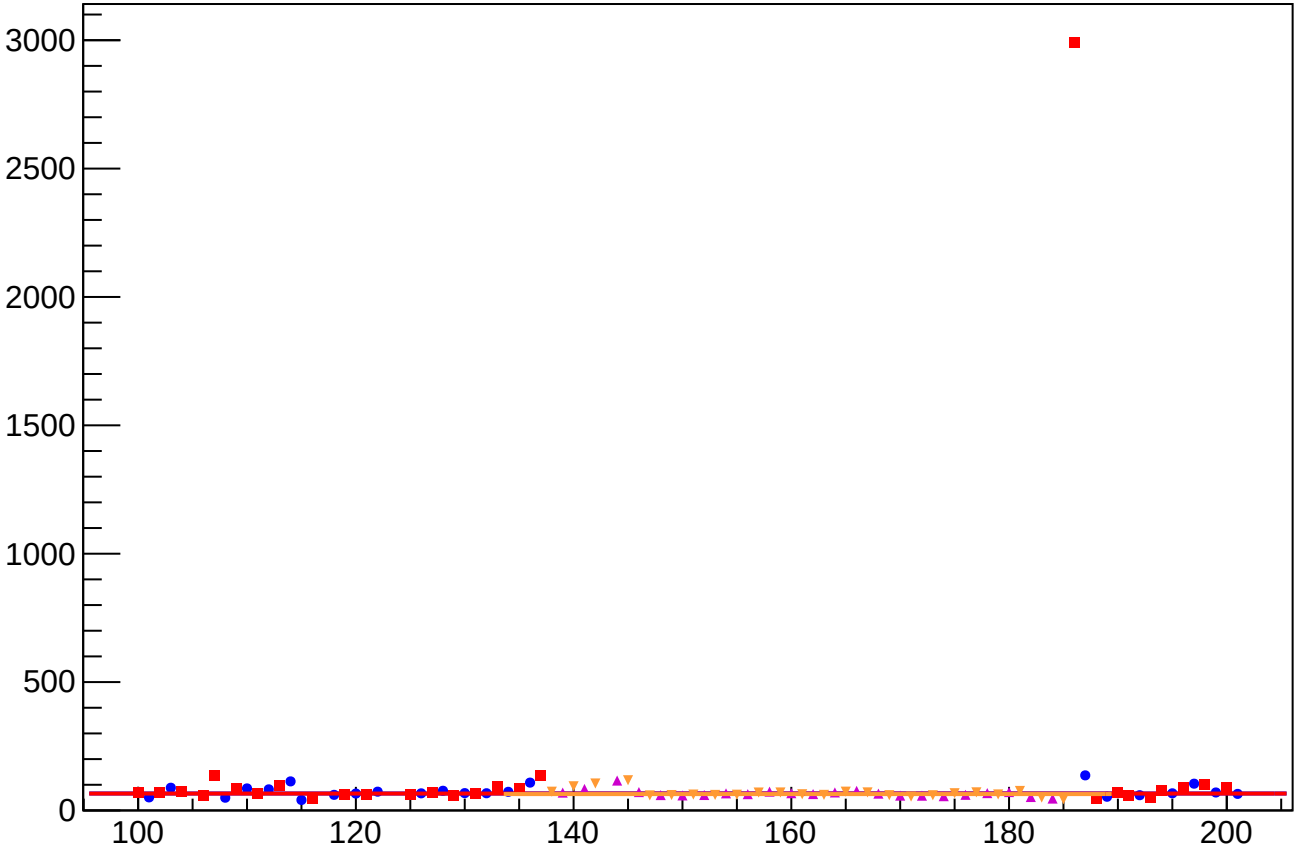
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.010+/-0.012 χ^2/NDF: 46.0/46

All: -0.010+/-0.009 χ^2/NDF: 101.5/96

- sign -0.011+/-0.012 χ^2/NDF: 55.5/49

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: 65.784+/-0.014 χ^2/NDF: 2275543.0/26

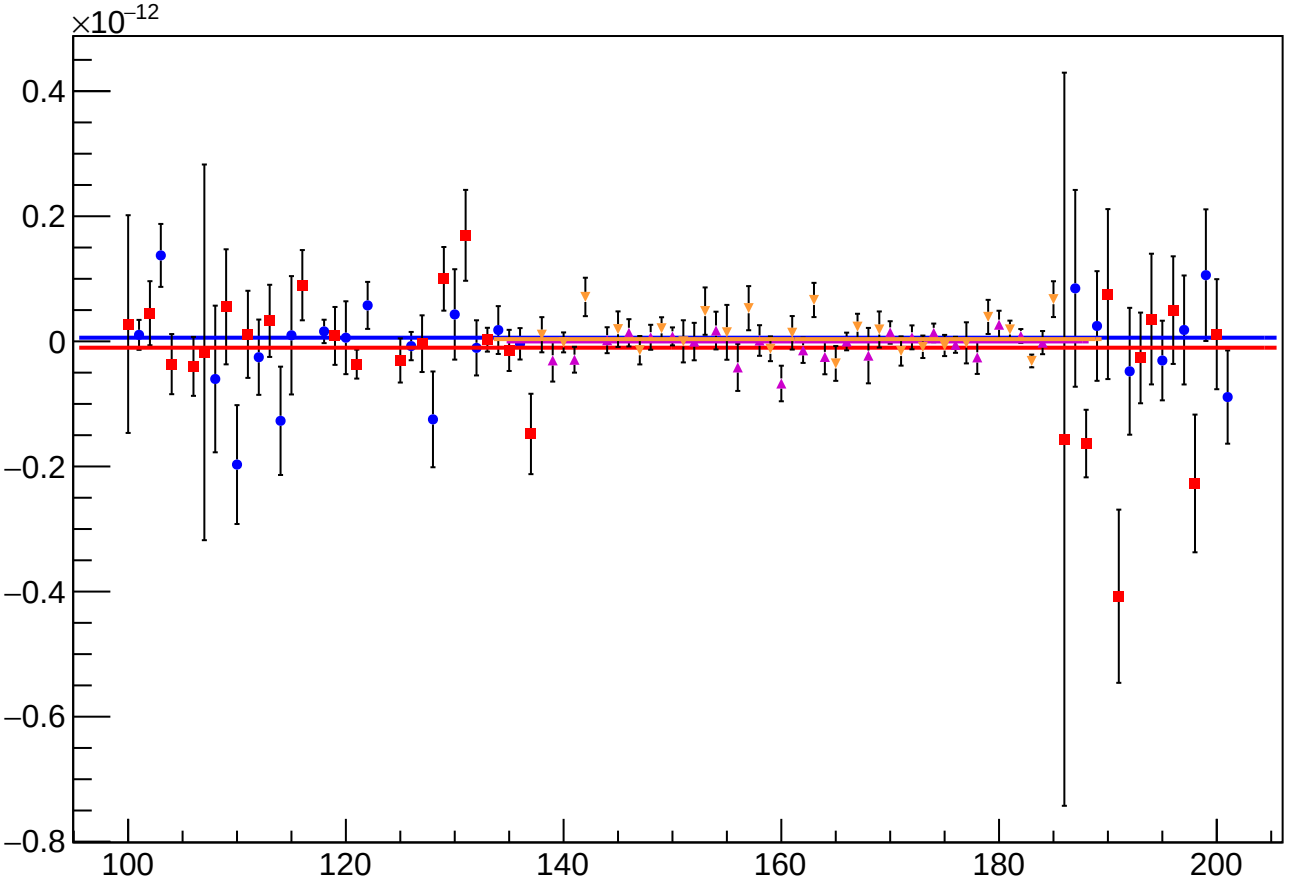
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

\+ sign 64.625+/-0.009 χ^2/NDF: 2136178.3/46

All: 64.665+/-0.006 χ^2/NDF: 5260289.3/96

\- sign 64.705+/-0.009 χ^2/NDF: 3124068.7/49

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: 45.3/26

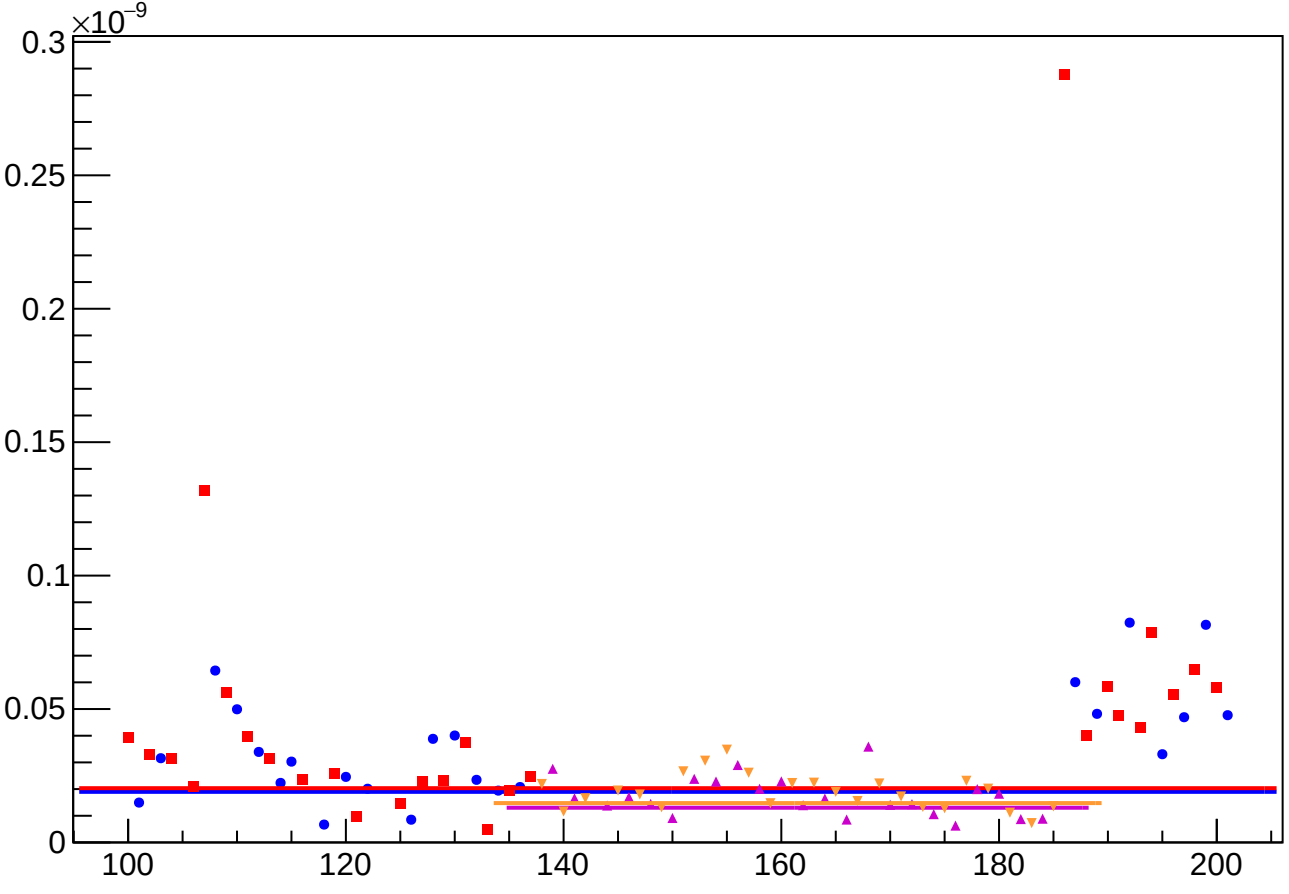
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.5/46

All: 0.000+/-0.000 χ^2/NDF: 129.1/96

- sign -0.000+/-0.000 χ^2/NDF: 63.4/49

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: 5768302.3/26

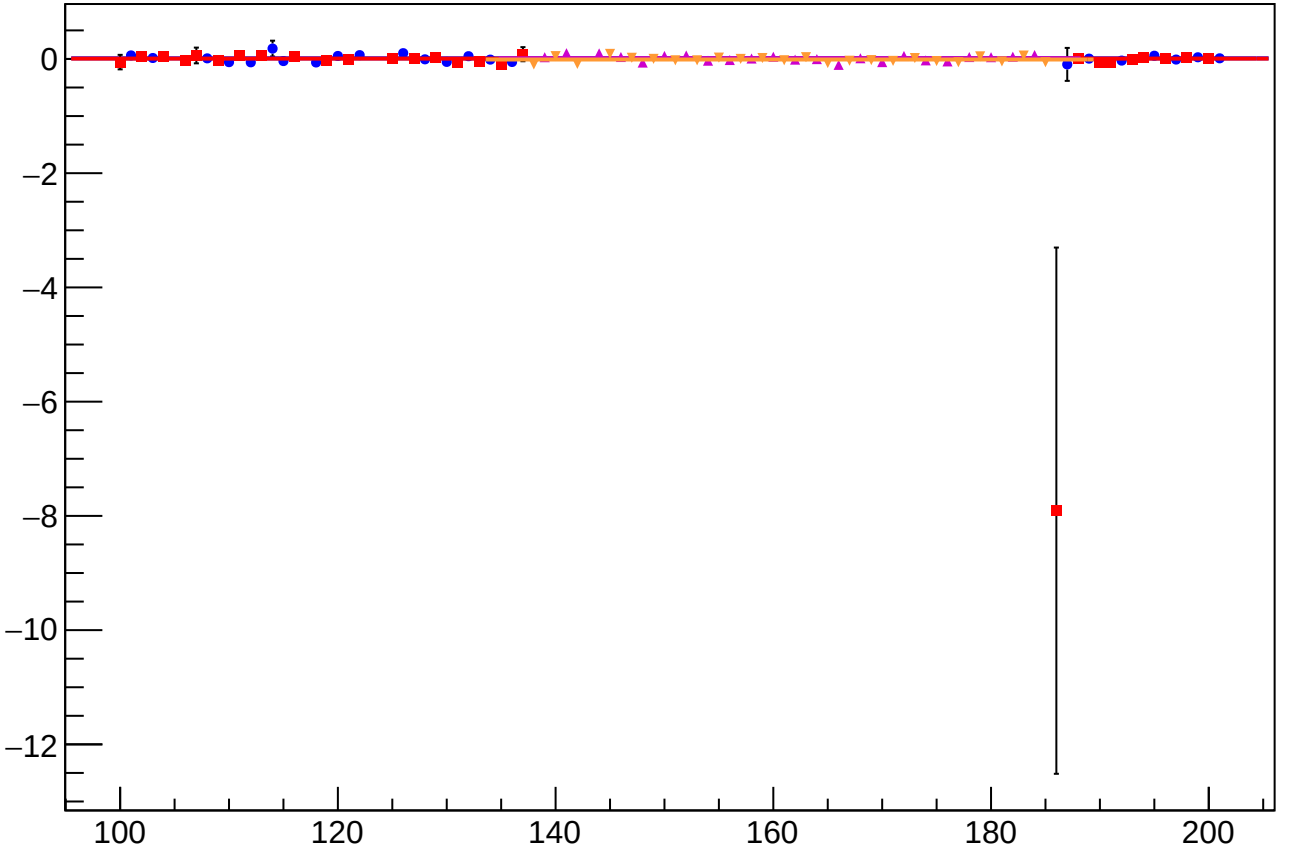
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8839276.4/46

All: 0.000+/-0.000 χ^2/NDF: 19703581.1/96

- sign 0.000+/-0.000 χ^2/NDF: 10728449.1/49

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: 0.006+/-0.010 χ^2/NDF: 16.5/26

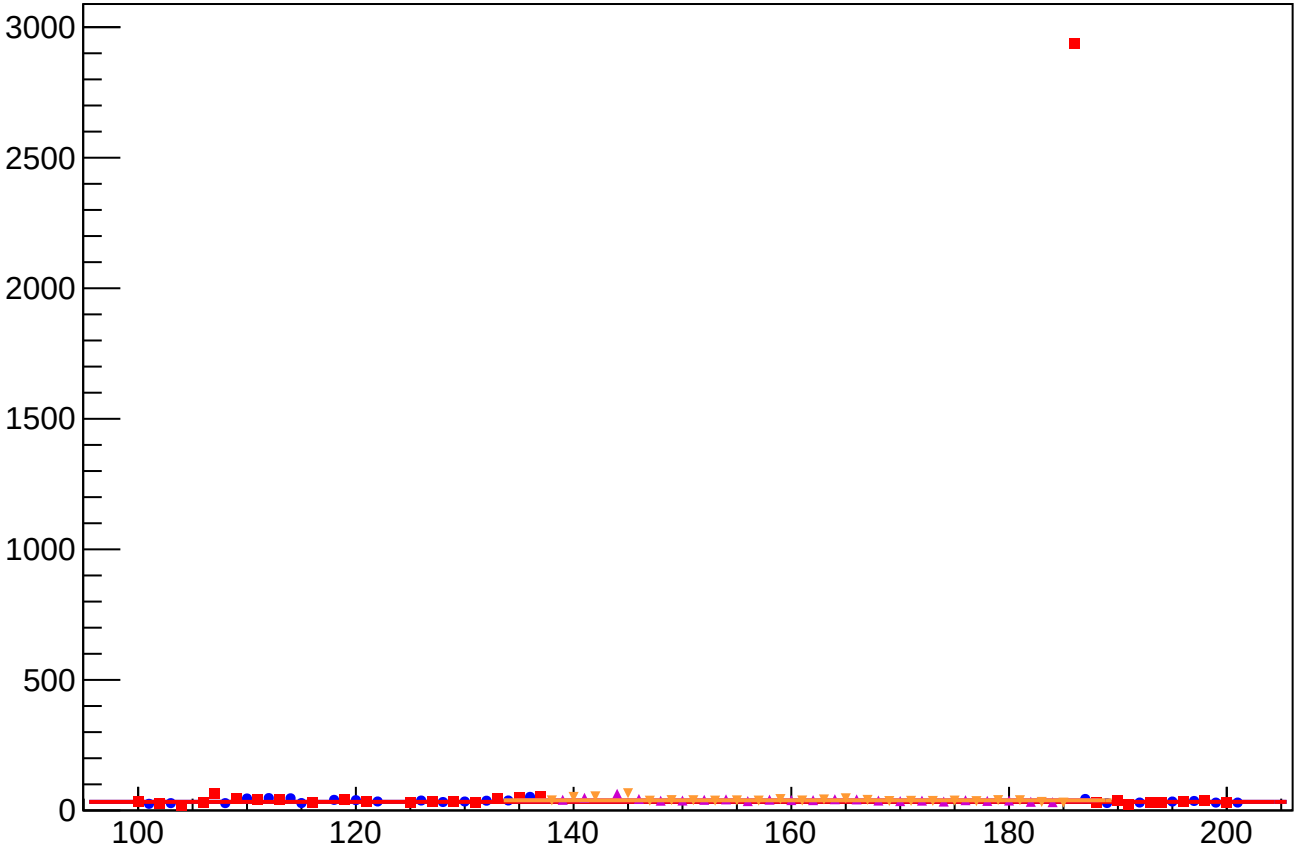
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.007 χ^2/NDF: 40.1/46

All: 0.004+/-0.005 χ^2/NDF: 80.8/96

- sign 0.009+/-0.007 χ^2/NDF: 39.9/49

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

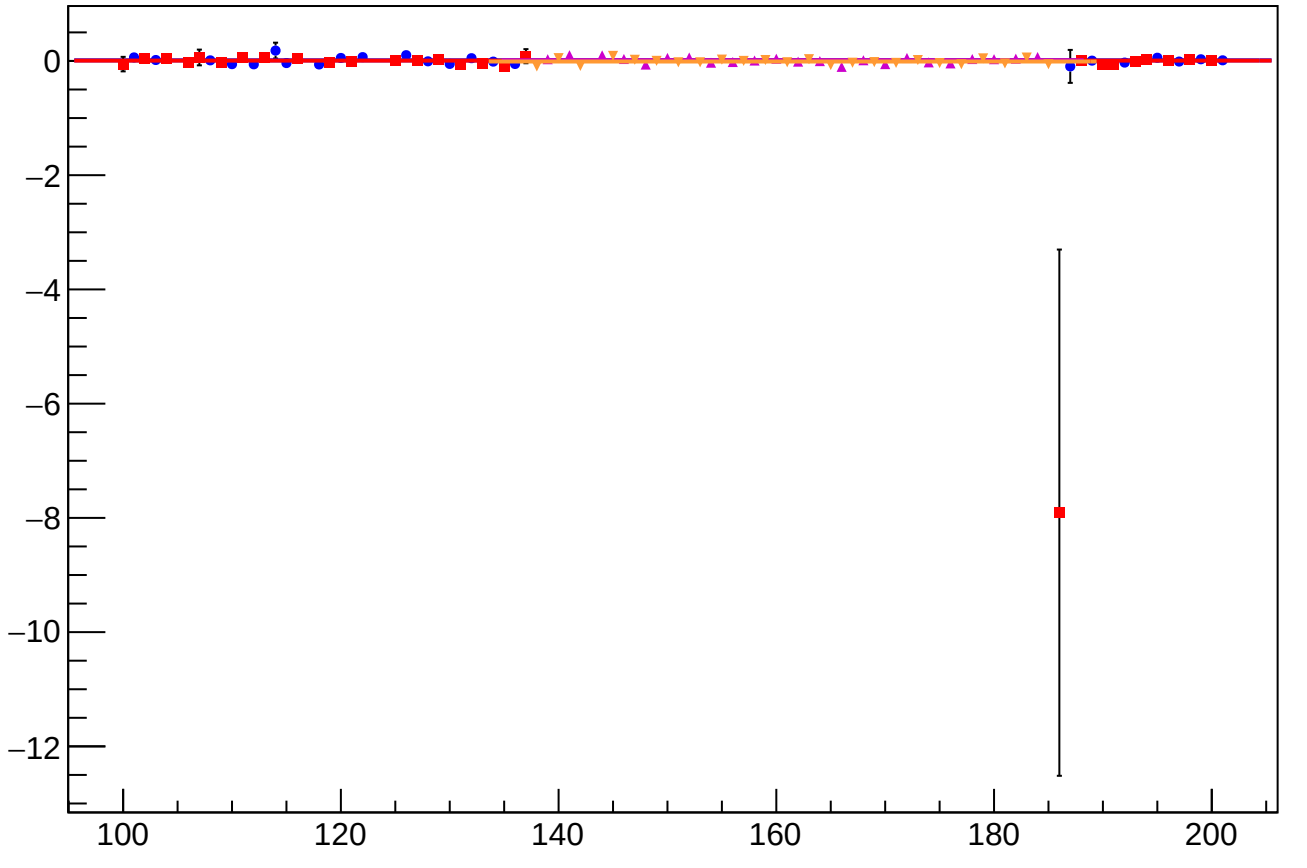
Right Out: 32.861+/-0.007 χ^2/NDF: 1843580.5/26

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 36.172+/-0.005 χ^2/NDF: 1729545.5/46

All: 36.118+/-0.003 χ^2/NDF: 4525532.3/96

- sign 36.066+/-0.005 χ^2/NDF: 2795747.4/49



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: 0.006+/-0.010 χ^2/NDF: 16.5/26

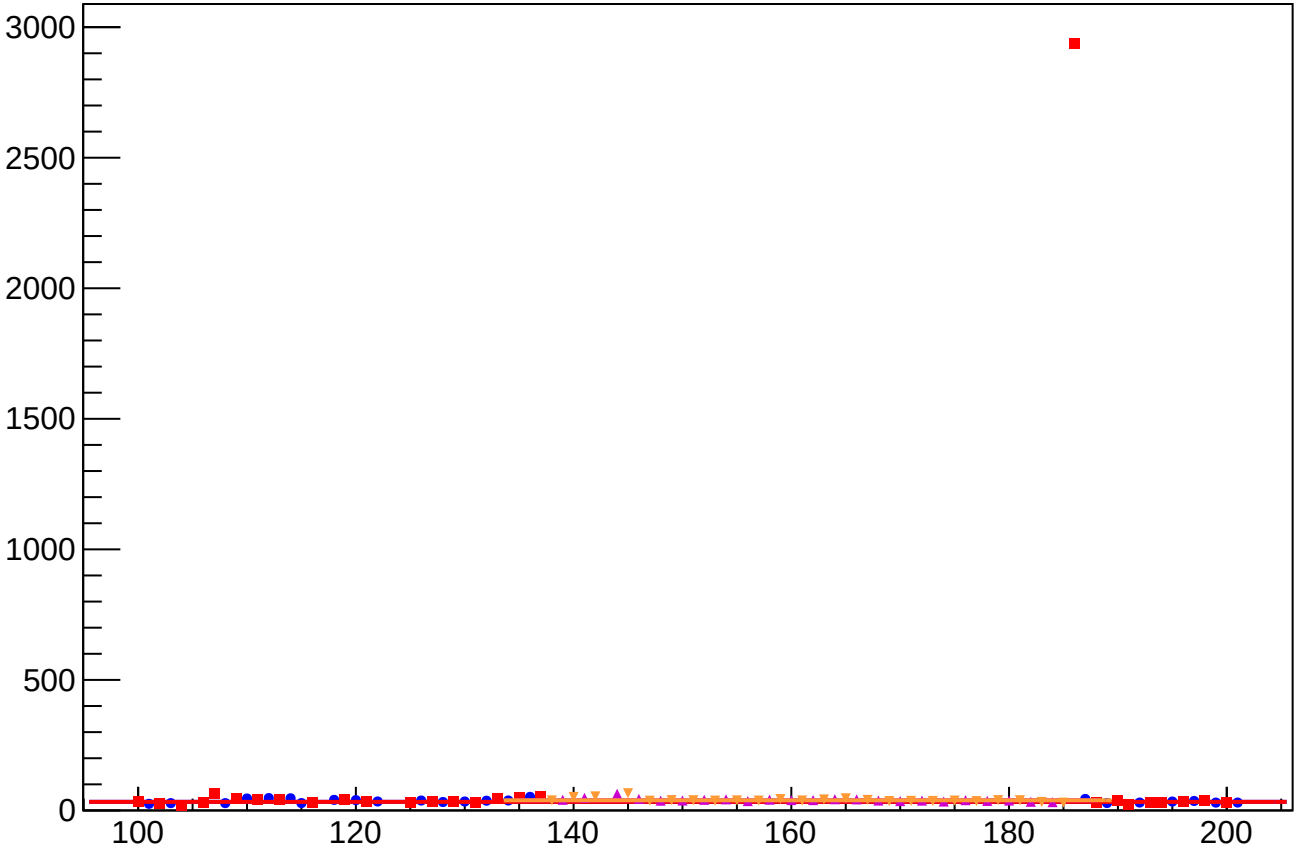
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.007 χ^2/NDF: 40.1/46

All: 0.004+/-0.005 χ^2/NDF: 80.8/96

- sign 0.009+/-0.007 χ^2/NDF: 39.9/49

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

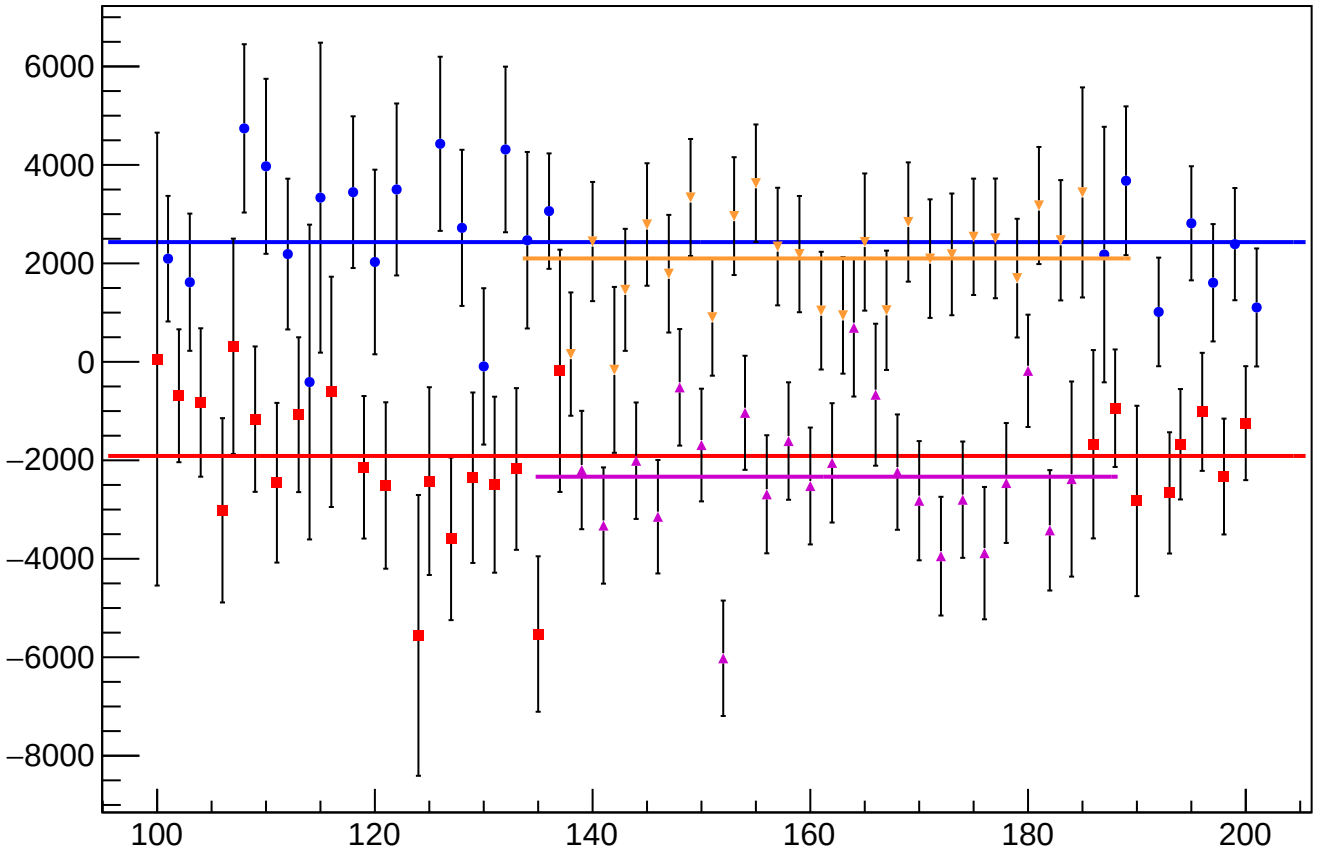
Right Out: 32.861+/-0.007 χ^2/NDF: 1843580.5/26

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 36.172+/-0.005 χ^2/NDF: 1729545.5/46

All: 36.118+/-0.003 χ^2/NDF: 4525532.3/96

- sign 36.066+/-0.005 χ^2/NDF: 2795747.4/49



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: -1911.174+/-301.561 χ^2/NDF: 15.0/26

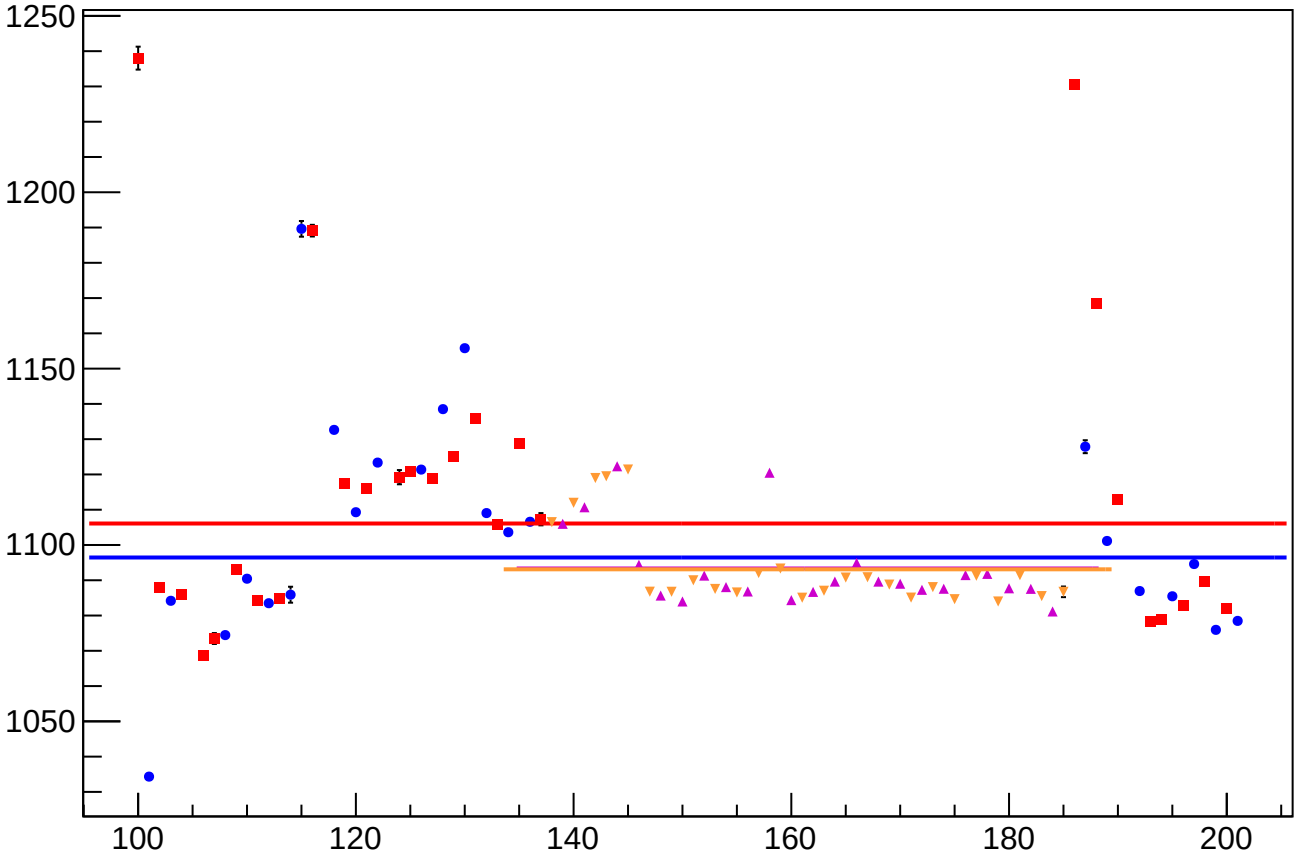
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2229.099+/-194.273 χ^2/NDF: 28.8/47

All: 42.543+/-137.573 χ^2/NDF: 328.6/97

- sign -2156.876+/-194.843 χ^2/NDF: 45.7/49

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: 1106.089+/-0.213 χ^2/NDF: 26852.7/26

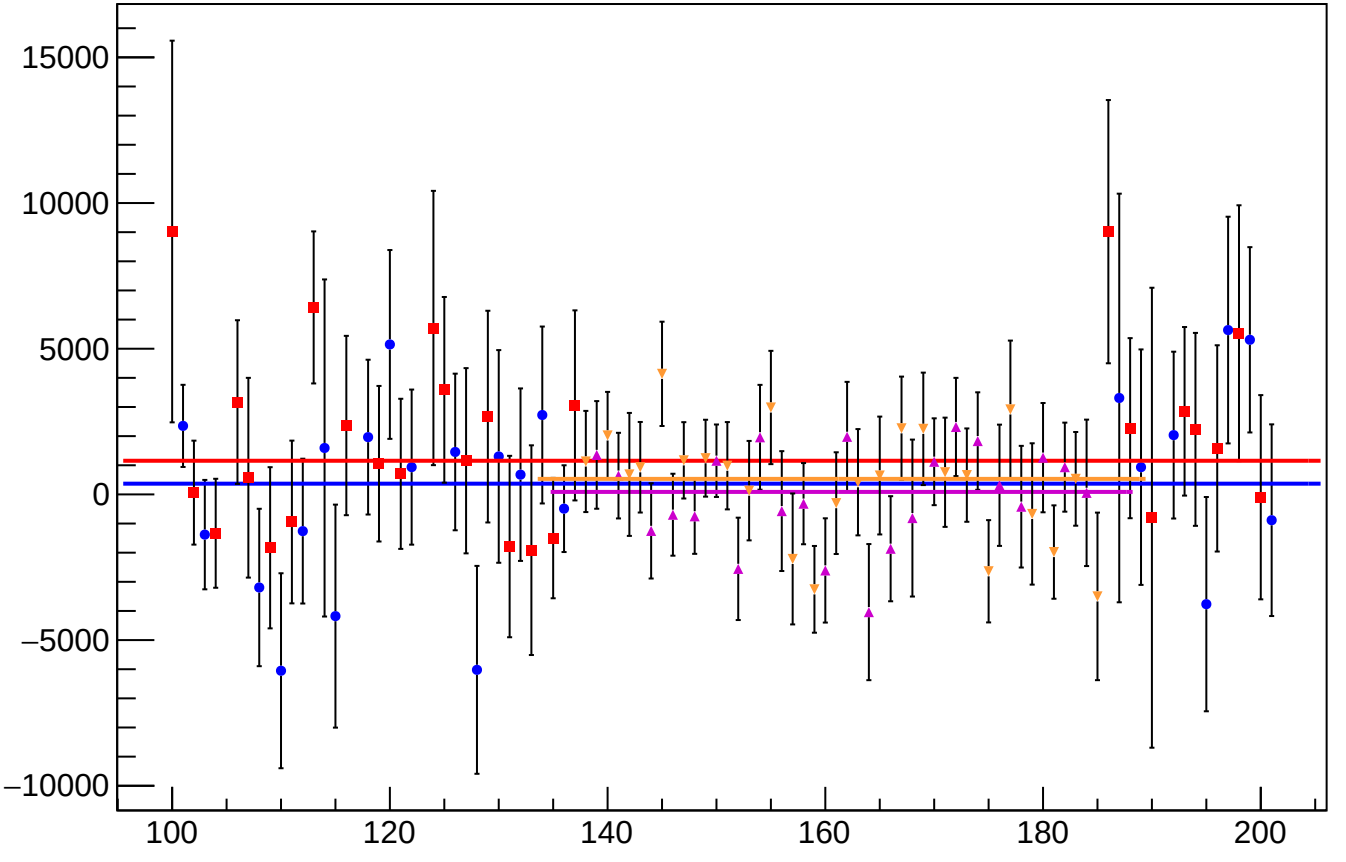
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.402+/-0.137 χ^2/NDF: 19600.0/47

All: 1096.526+/-0.097 χ^2/NDF: 52740.7/97

- sign 1098.661+/-0.138 χ^2/NDF: 32661.4/49

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: 1154.771+/-571.823 χ^2/NDF: 20.2/26

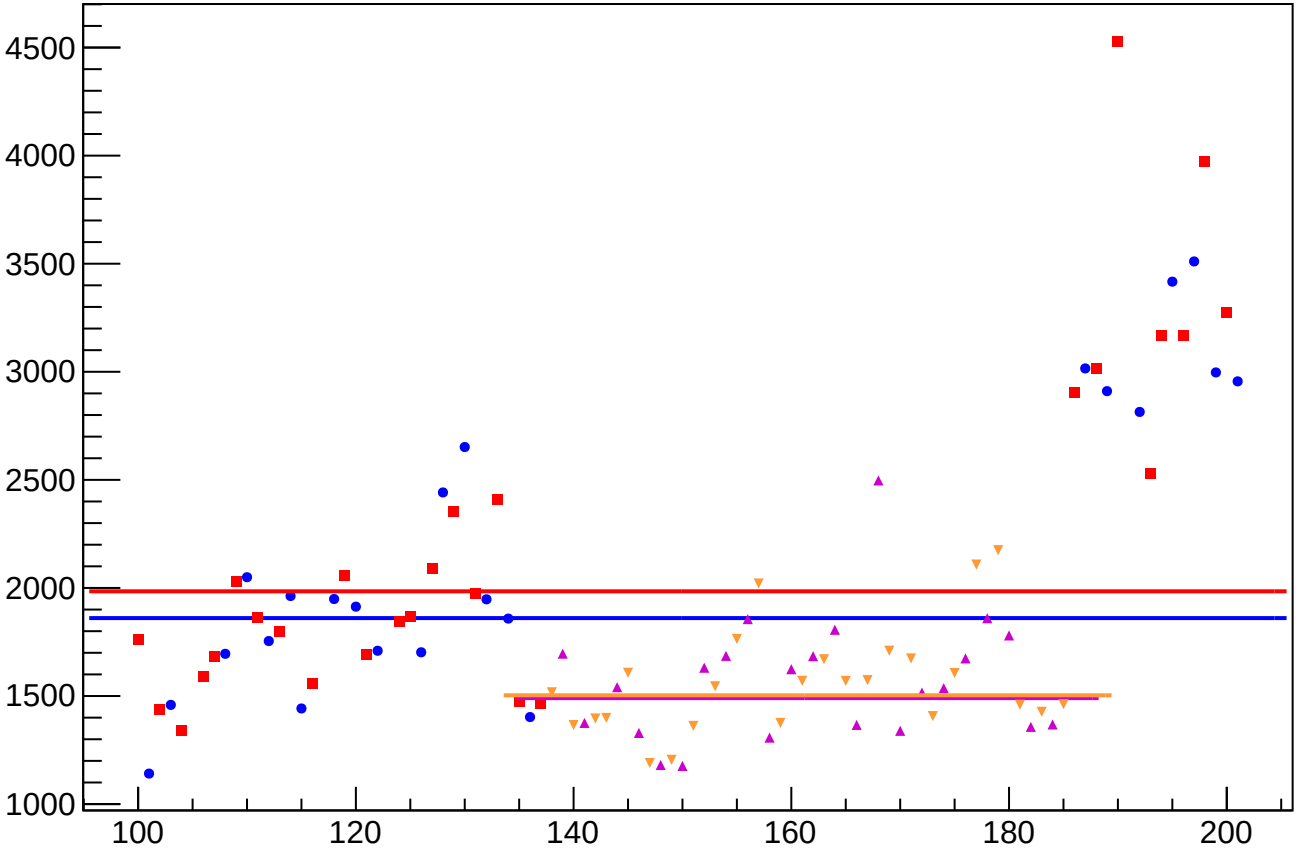
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 487.632+/-295.568 χ^2/NDF: 49.8/47

All: 435.550+/-210.875 χ^2/NDF: 90.7/97

- sign 381.554+/-300.949 χ^2/NDF: 40.8/49

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: 1984.474+/-0.404 χ^2/NDF: 2536601.9/26

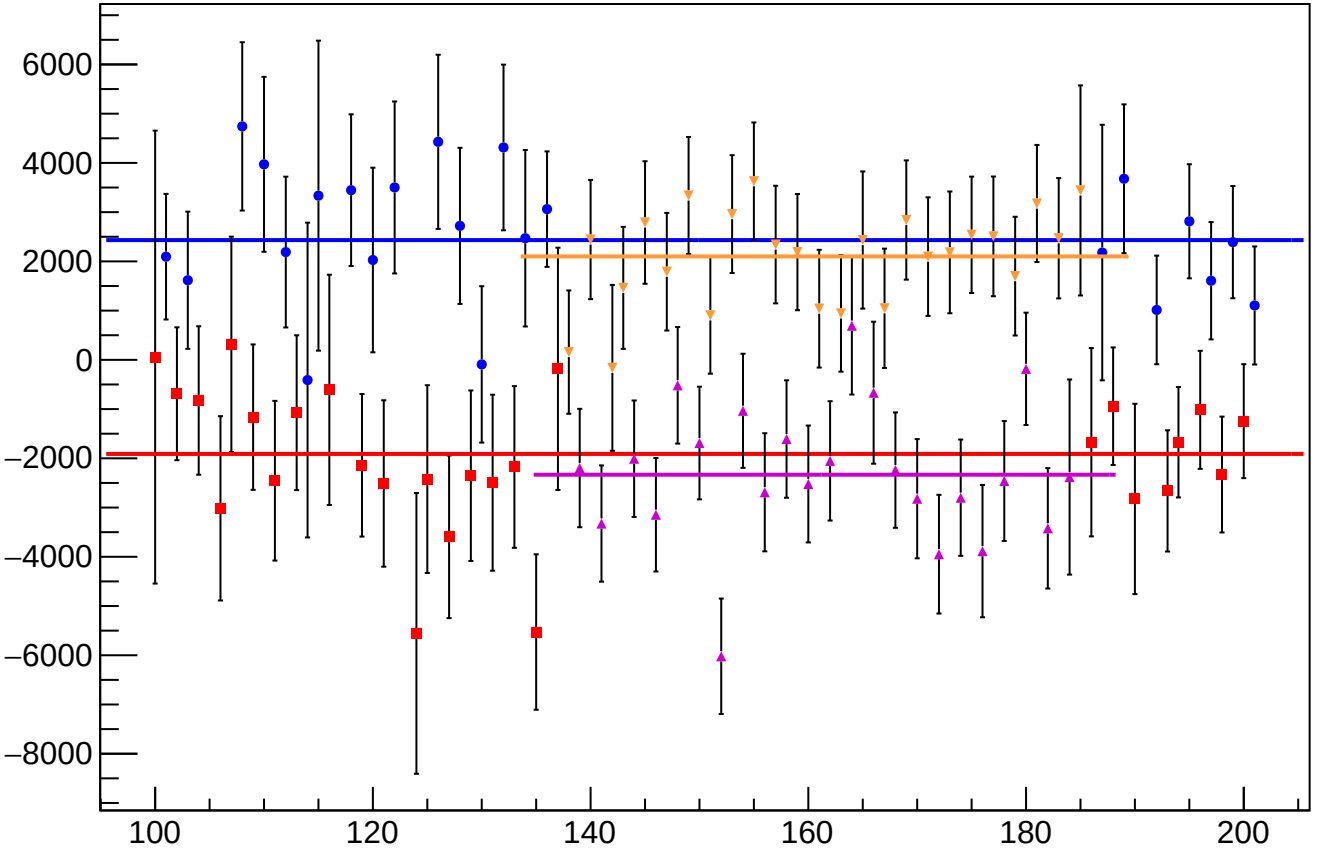
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1601.786+/-0.209 χ^2/NDF: 3997239.6/47

All: 1614.259+/-0.149 χ^2/NDF: 8589225.3/97

- sign 1627.192+/-0.213 χ^2/NDF: 4584730.3/49

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: -1911.174+/-301.561 χ^2/NDF: 15.0/26

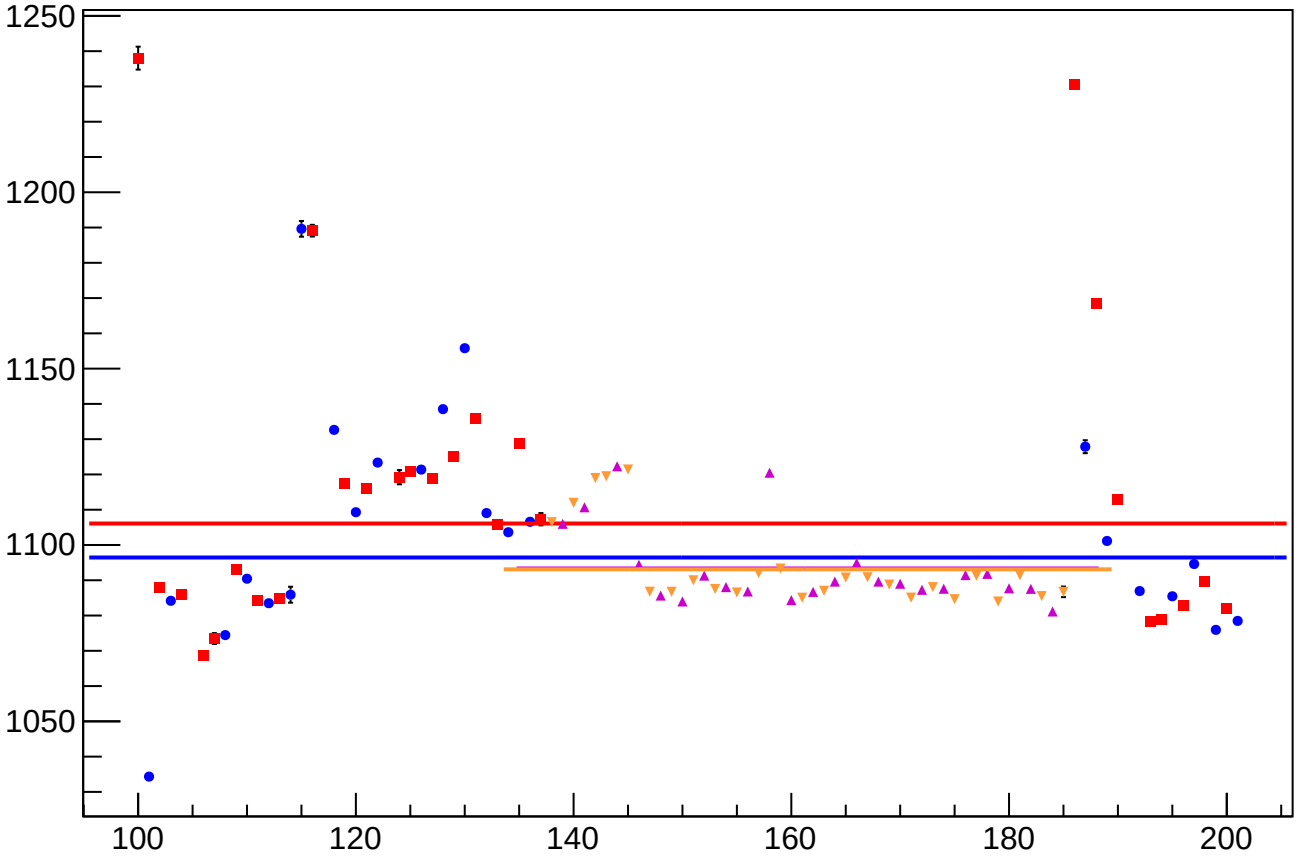
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2229.099+/-194.273 χ^2/NDF: 28.8/47

All: 42.543+/-137.573 χ^2/NDF: 328.6/97

- sign -2156.876+/-194.843 χ^2/NDF: 45.7/49

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: 1106.089+/-0.213 χ^2/NDF: 26852.7/26

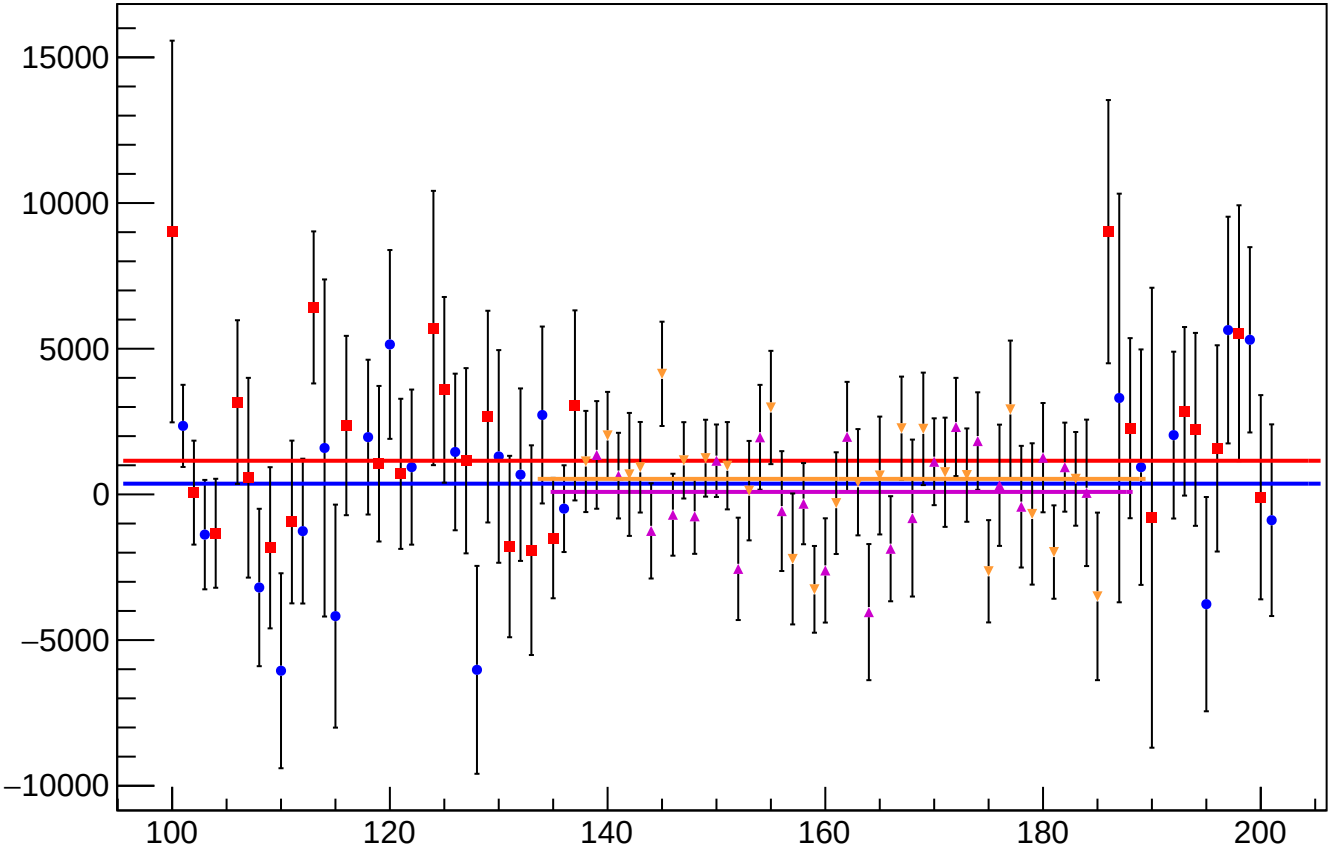
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.402+/-0.137 χ^2/NDF: 19600.0/47

All: 1096.526+/-0.097 χ^2/NDF: 52740.7/97

- sign 1098.661+/-0.138 χ^2/NDF: 32661.4/49

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: 1154.771+/-571.823 χ^2/NDF: 20.2/26

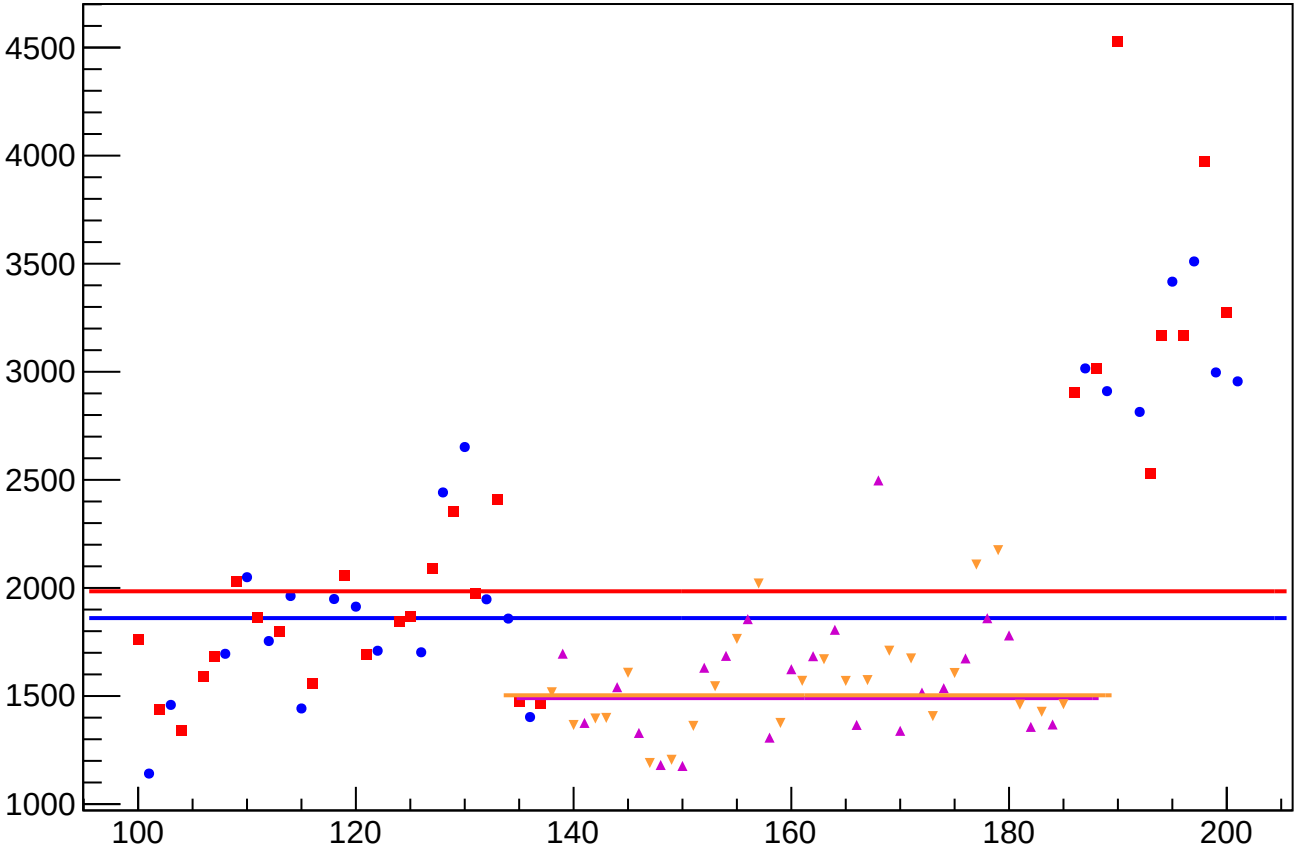
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 487.632+/-295.568 χ^2/NDF: 49.8/47

All: 435.550+/-210.875 χ^2/NDF: 90.7/97

- sign 381.554+/-300.949 χ^2/NDF: 40.8/49

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: 1984.474+/-0.404 χ^2/NDF: 2536601.9/26

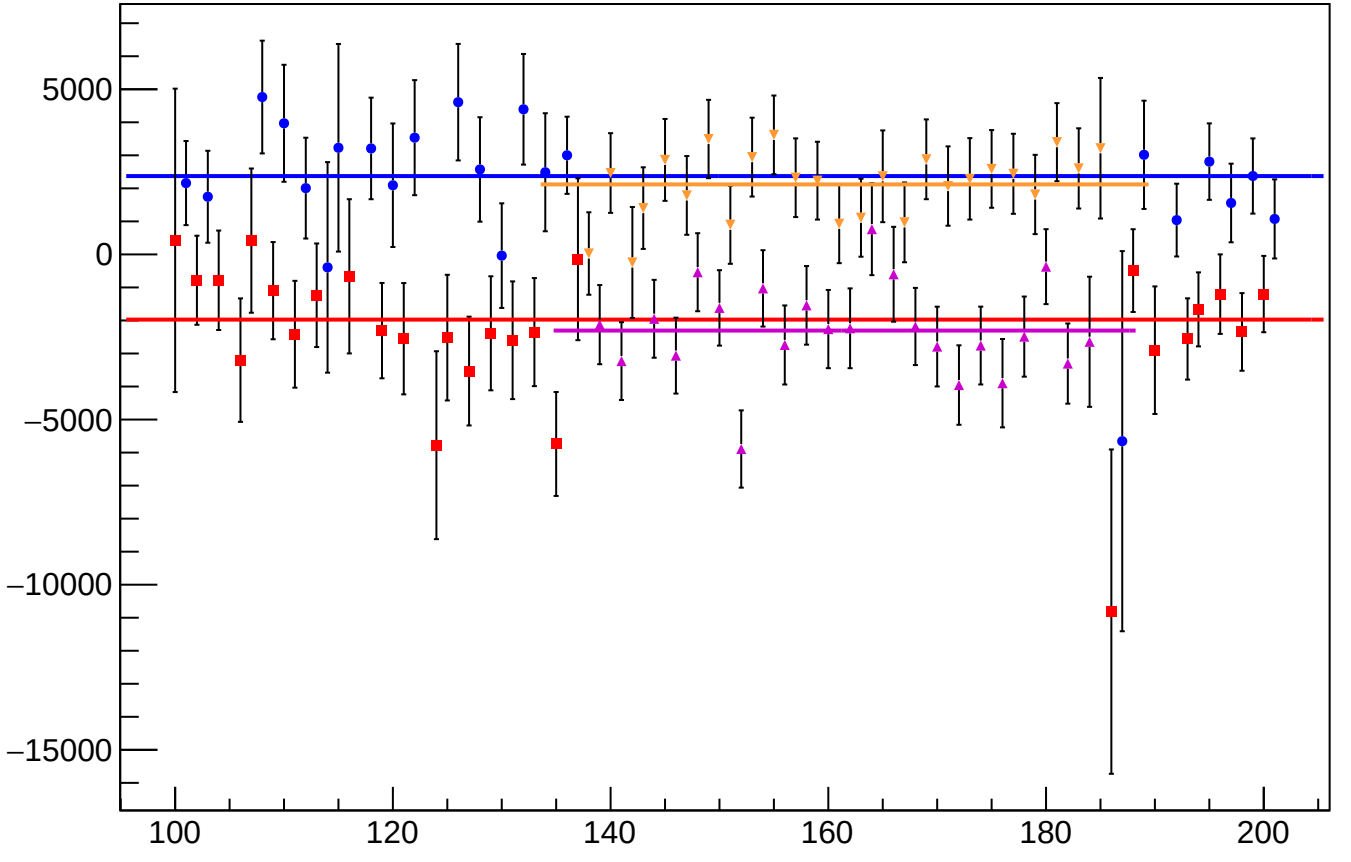
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1601.786+/-0.209 χ^2/NDF: 3997239.6/47

All: 1614.259+/-0.149 χ^2/NDF: 8589225.3/97

- sign 1627.192+/-0.213 χ^2/NDF: 4584730.3/49

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: -1973.948+/-305.280 χ^2/NDF: 19.9/26

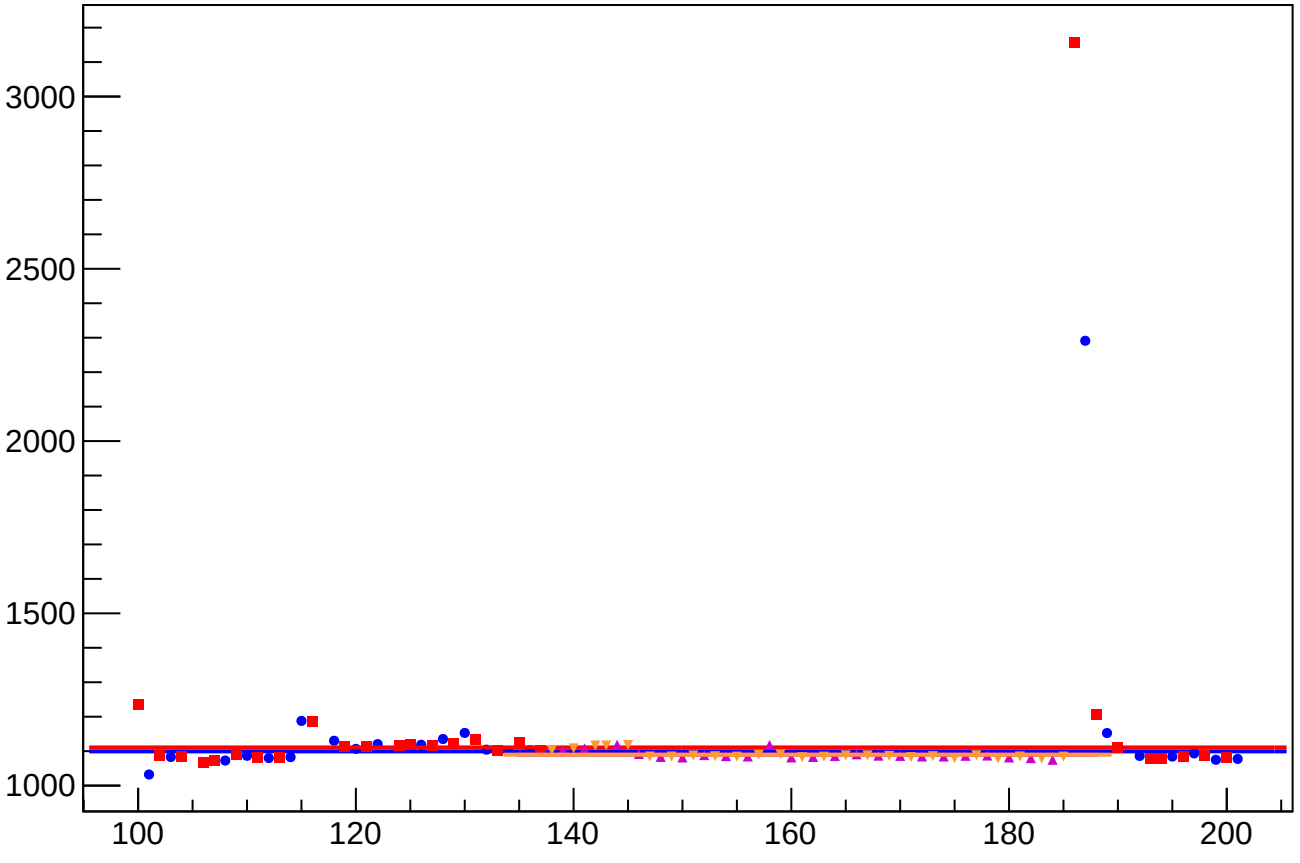
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2216.432+/-194.438 χ^2/NDF: 31.2/47

All: 35.177+/-137.855 χ^2/NDF: 333.3/97

- sign -2169.505+/-195.480 χ^2/NDF: 49.0/49

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

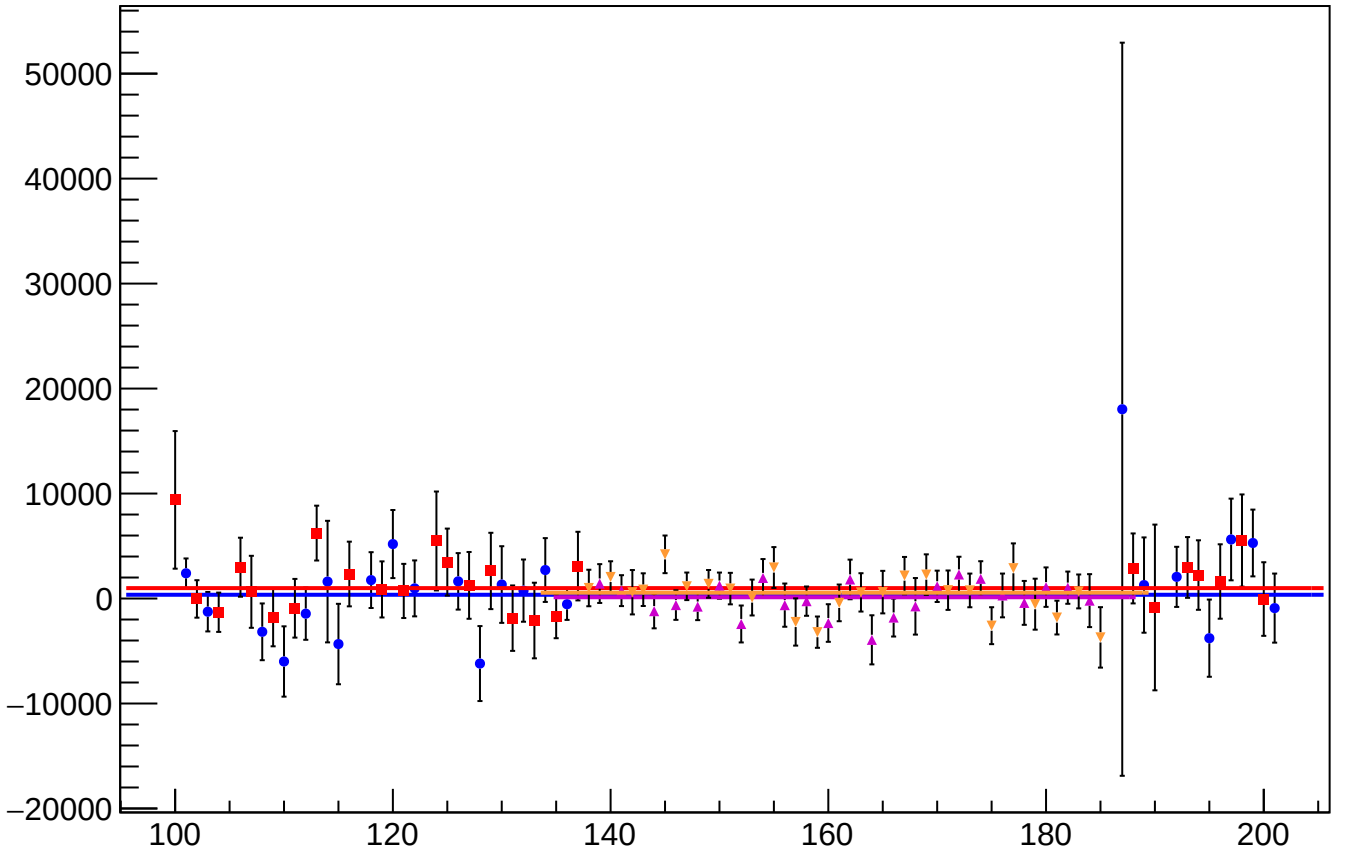
Right Out: 1110.804+/-0.216 χ^2/NDF: 373546.3/26

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1093.419+/-0.137 χ^2/NDF: 108430.0/47

All: 1095.951+/-0.097 χ^2/NDF: 492052.3/97

- sign 1098.509+/-0.138 χ^2/NDF: 382940.8/49



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: 991.263+/-578.360 χ^2/NDF: 17.3/25

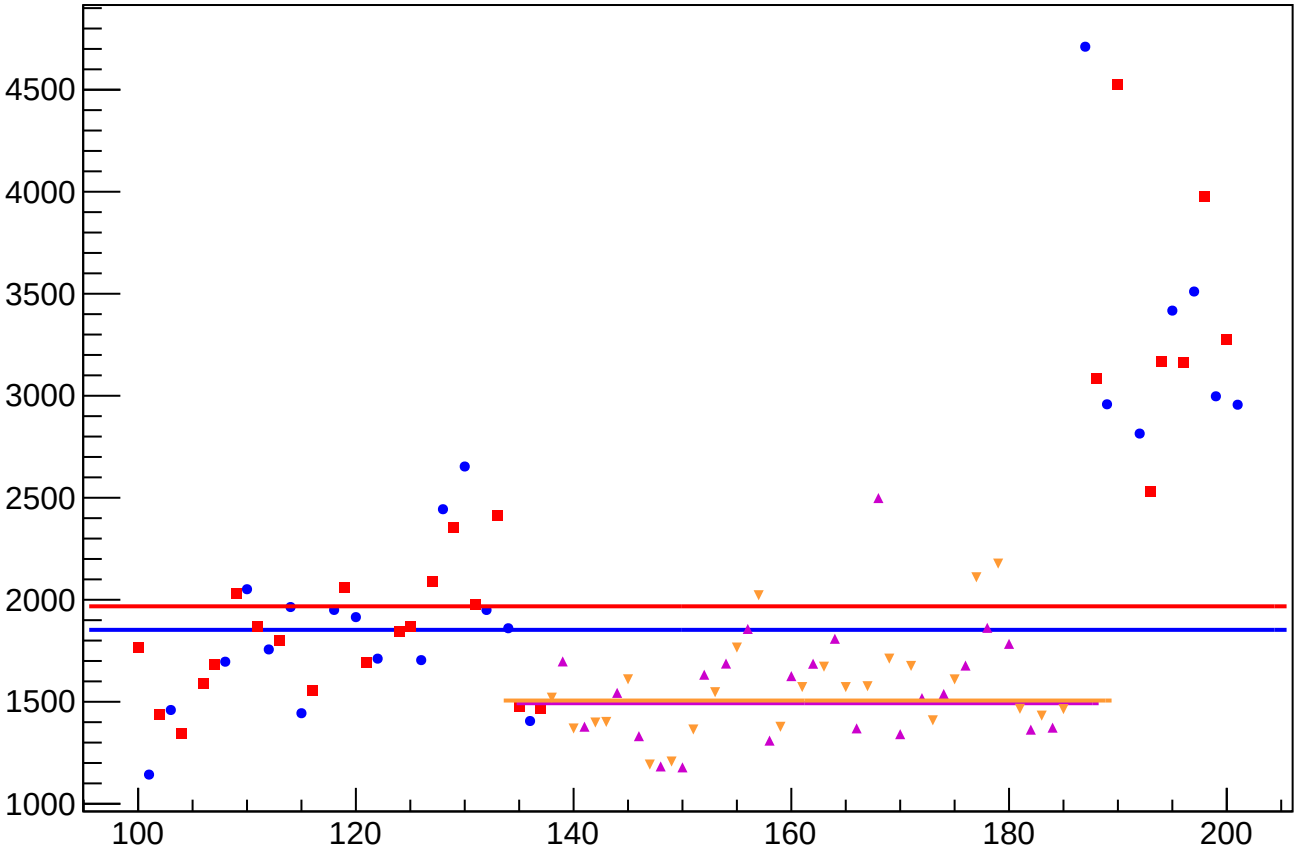
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 500.163+/-296.437 χ^2/NDF: 49.9/47

All: 430.961+/-211.644 χ^2/NDF: 86.1/96

- sign 359.009+/-302.267 χ^2/NDF: 36.0/48

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: 1967.941+/-0.409 χ^2/NDF: 2437941.0/25

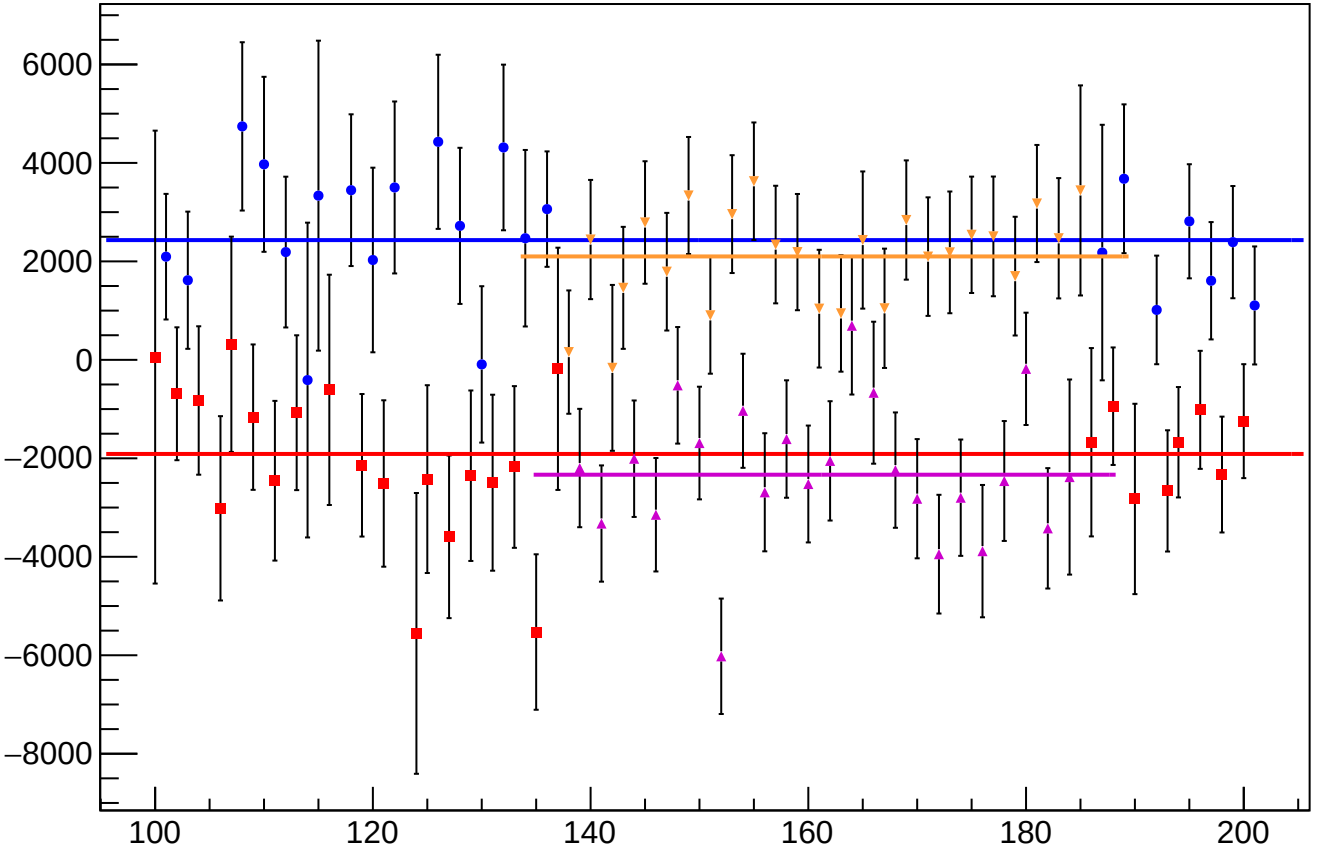
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1600.897+/-0.210 χ^2/NDF: 3887168.0/47

All: 1611.590+/-0.150 χ^2/NDF: 8275184.1/96

- sign 1622.708+/-0.214 χ^2/NDF: 4382707.8/48

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: -1911.174+/-301.561 χ^2/NDF: 15.0/26

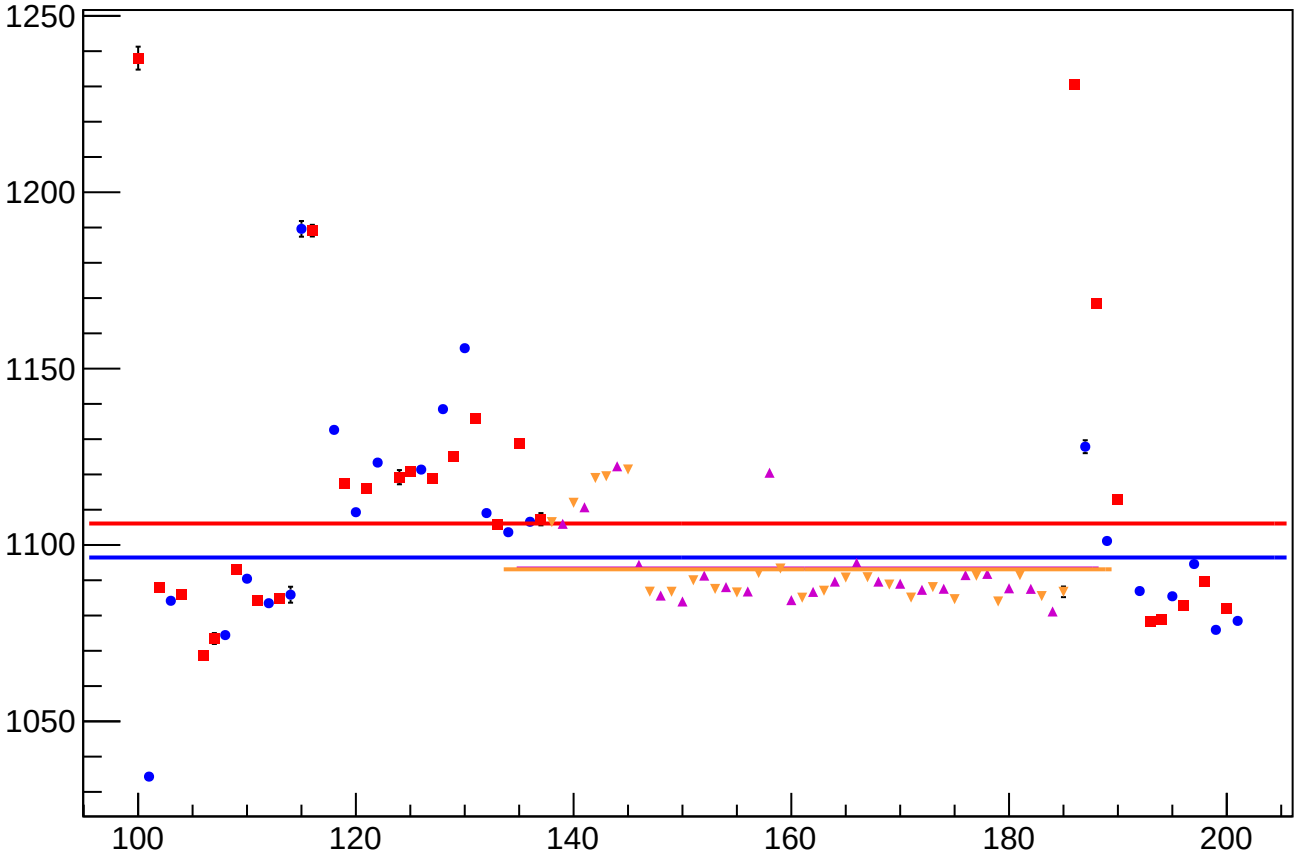
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2229.099+/-194.273 χ^2/NDF: 28.8/47

All: 42.543+/-137.573 χ^2/NDF: 328.6/97

- sign -2156.876+/-194.843 χ^2/NDF: 45.7/49

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

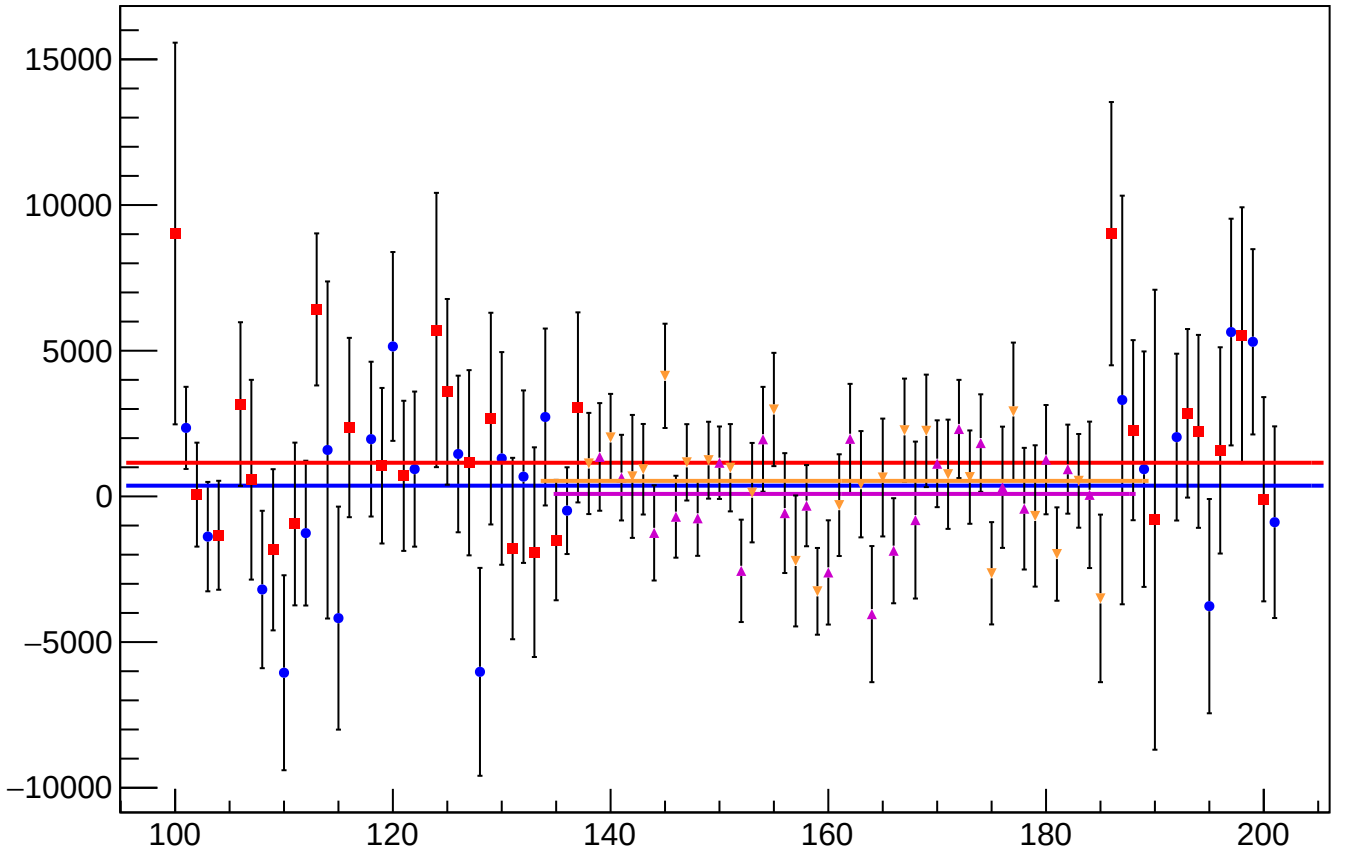
Right Out: 1106.089+/-0.213 χ^2/NDF: 26852.7/26

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1094.402+/-0.137 χ^2/NDF: 19600.0/47

All: 1096.526+/-0.097 χ^2/NDF: 52740.7/97

- sign 1098.661+/-0.138 χ^2/NDF: 32661.4/49



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: 1154.771+/-571.823 χ^2/NDF: 20.2/26

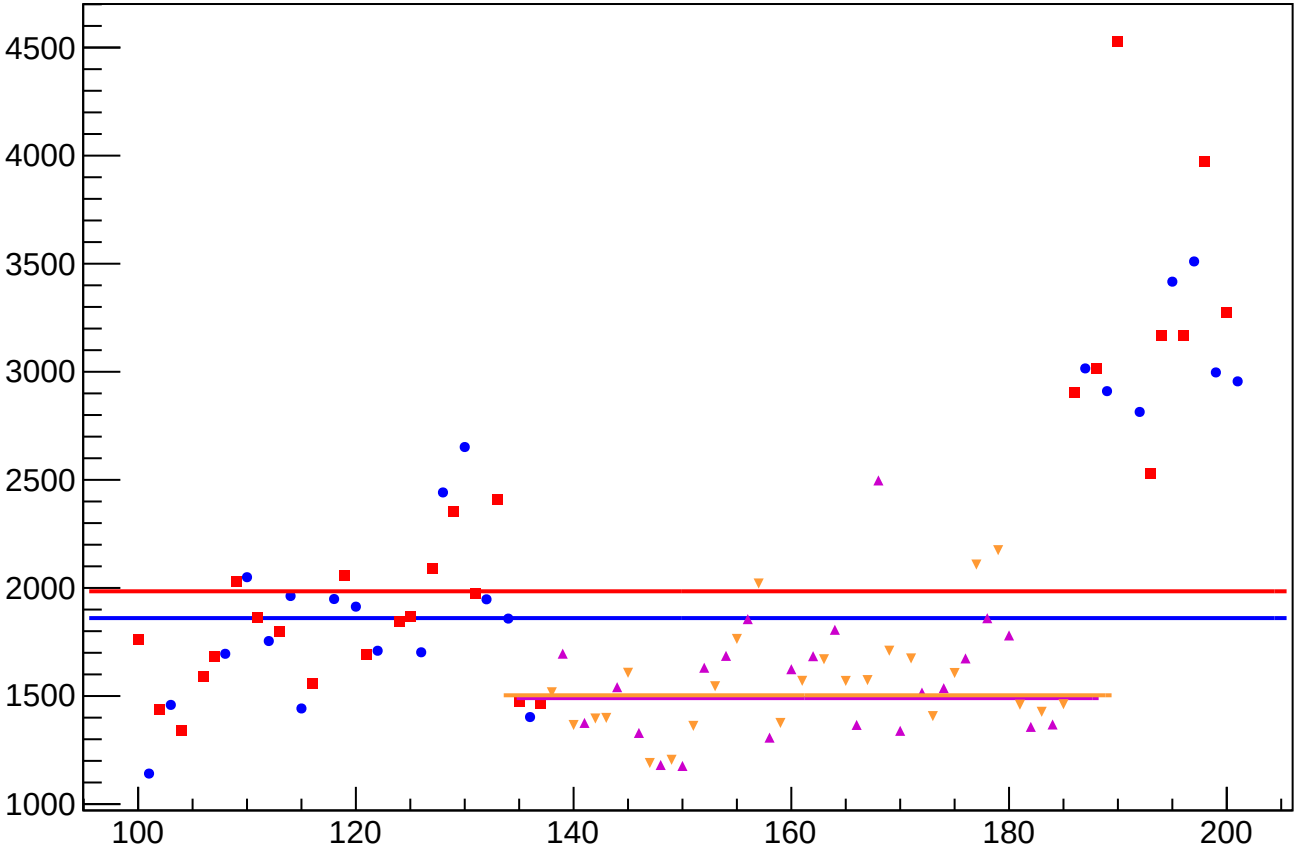
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 487.632+/-295.568 χ^2/NDF: 49.8/47

All: 435.550+/-210.875 χ^2/NDF: 90.7/97

- sign 381.554+/-300.949 χ^2/NDF: 40.8/49

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

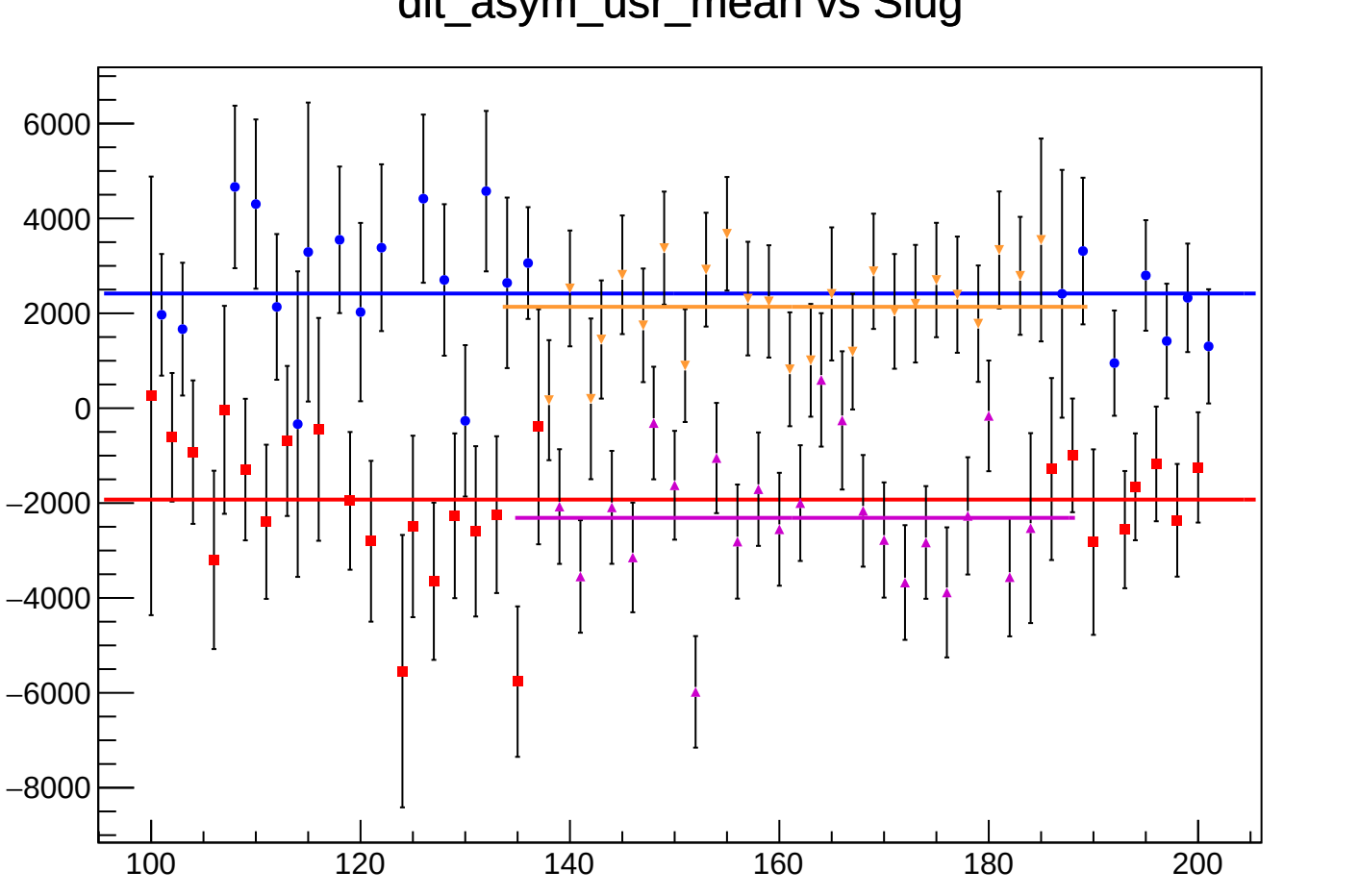
Right Out: 1984.474+/-0.404 χ^2/NDF: 2536601.9/26

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1601.786+/-0.209 χ^2/NDF: 3997239.6/47

All: 1614.259+/-0.149 χ^2/NDF: 8589225.3/97

- sign 1627.192+/-0.213 χ^2/NDF: 4584730.3/49



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: -1926.464+/-303.090 χ^2/NDF: 15.7/26

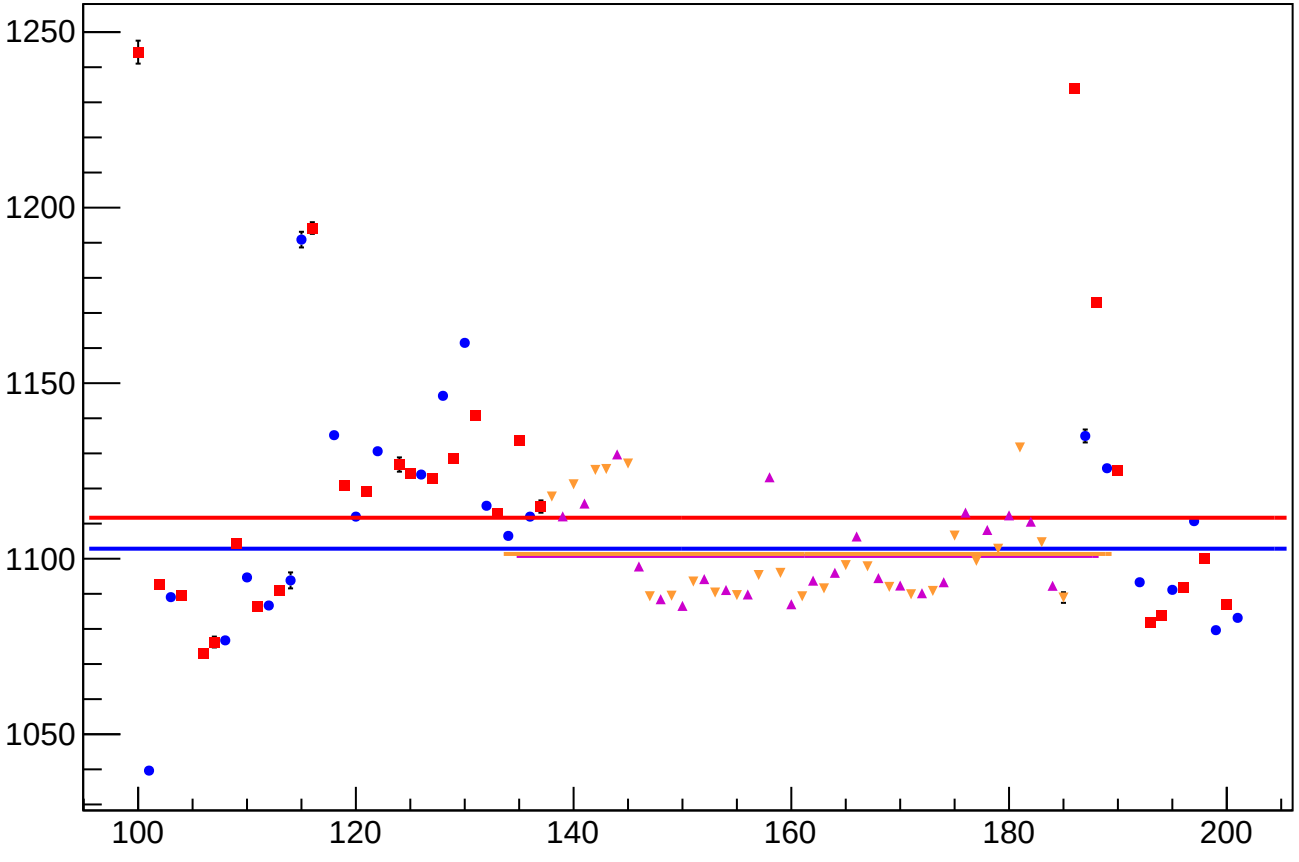
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2246.136+/-195.622 χ^2/NDF: 29.2/47

All: 52.408+/-138.471 χ^2/NDF: 327.8/97

- sign -2150.579+/-196.034 χ^2/NDF: 46.5/49

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: 1111.672+/-0.214 χ^2/NDF: 26155.6/26

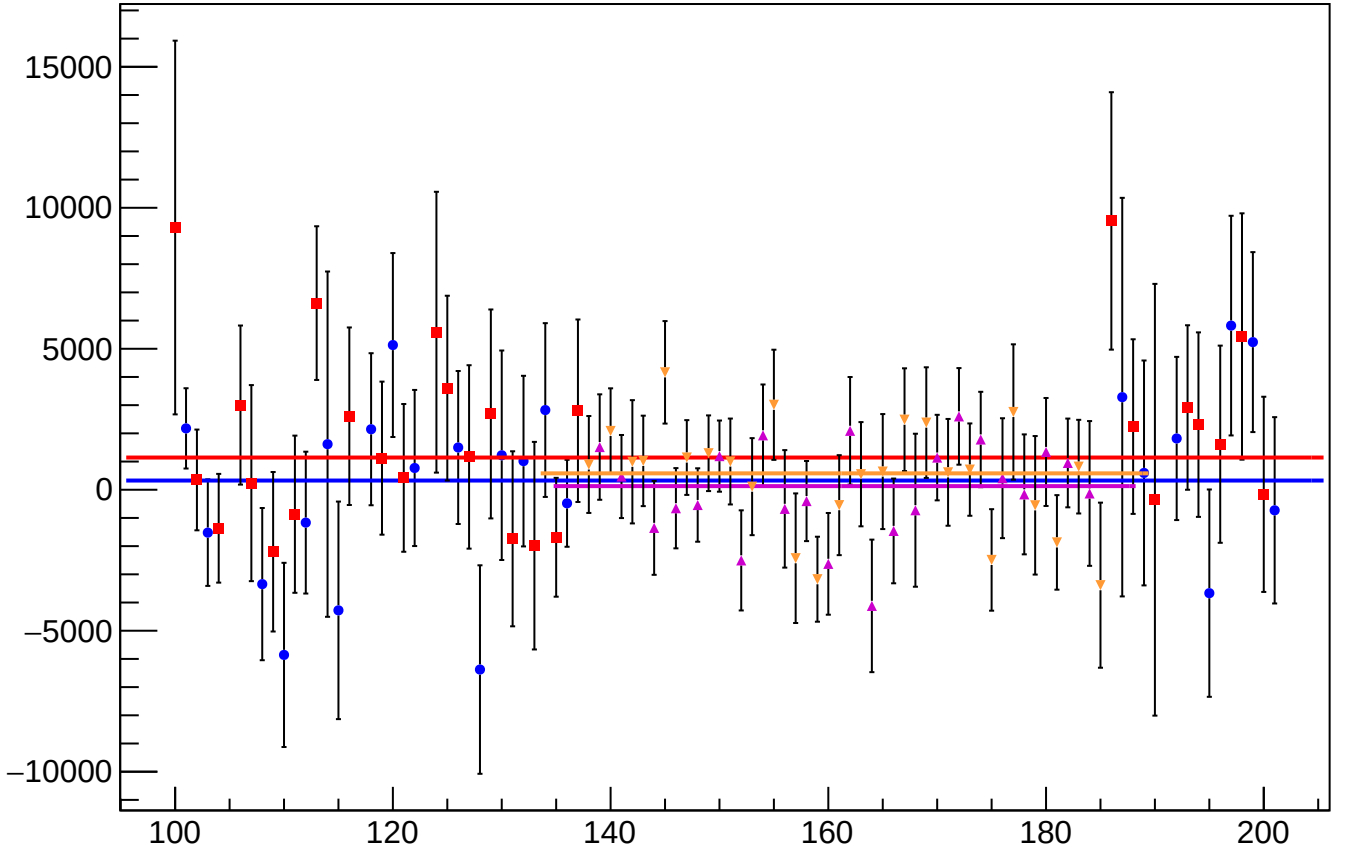
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1101.937+/-0.138 χ^2/NDF: 22003.0/47

All: 1103.637+/-0.098 χ^2/NDF: 54601.9/97

- sign 1105.344+/-0.139 χ^2/NDF: 32296.3/49

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: 1142.614+/-579.198 χ^2/NDF: 20.5/26

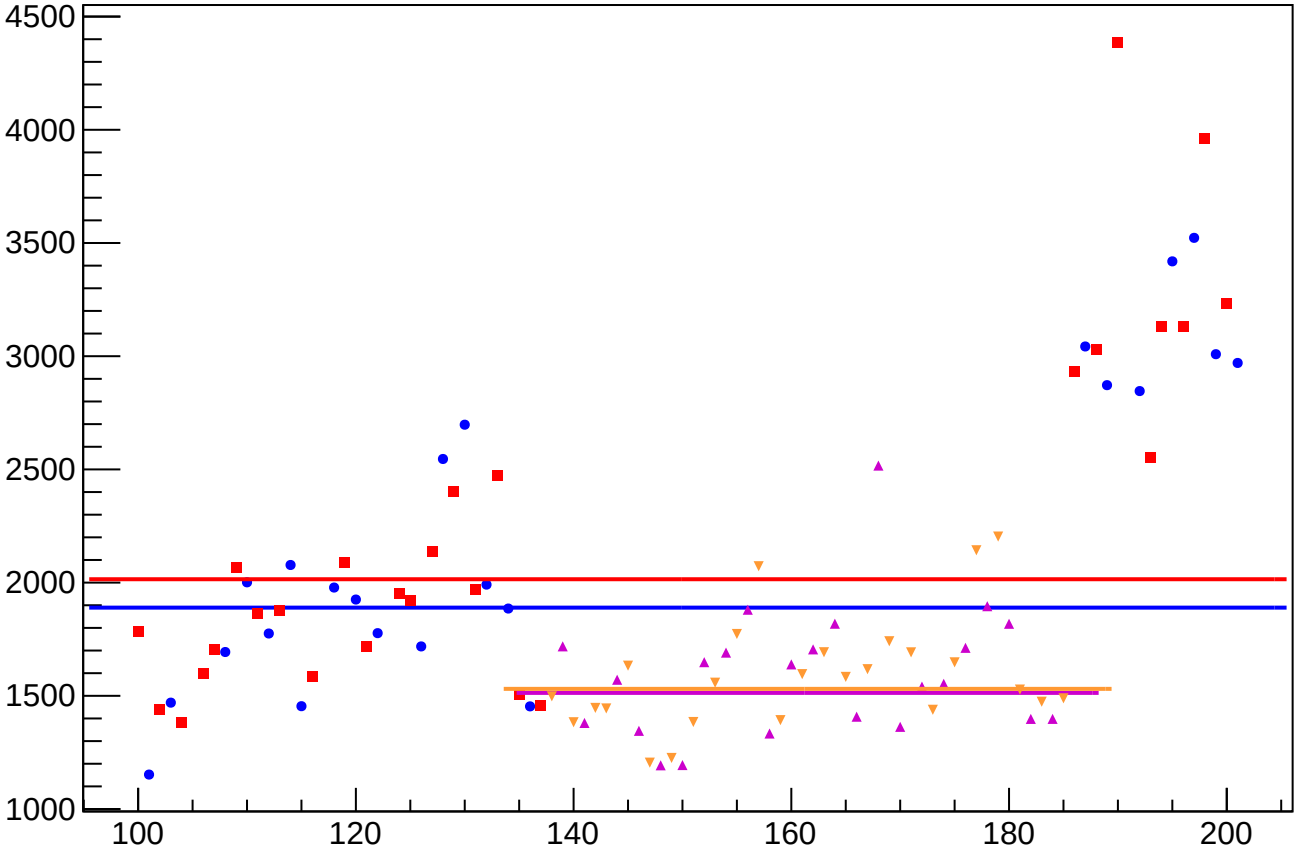
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 510.826+/-300.495 χ^2/NDF: 48.7/47

All: 461.351+/-214.132 χ^2/NDF: 89.3/97

- sign 410.308+/-305.218 χ^2/NDF: 40.6/49

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

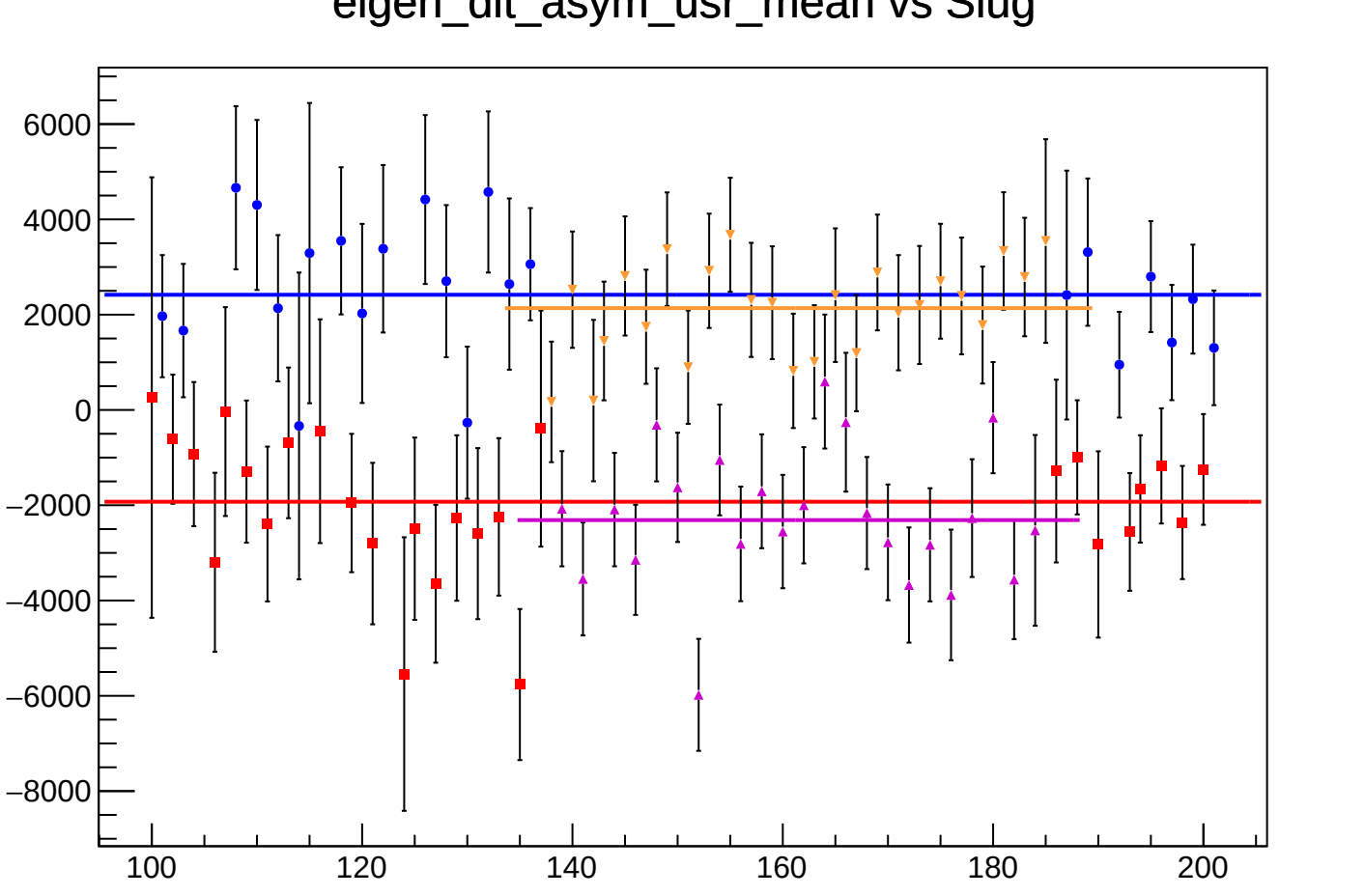
Right Out: 2014.957+/-0.410 χ^2/NDF: 2430786.0/26

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1630.127+/-0.212 χ^2/NDF: 3930425.5/47

All: 1641.066+/-0.151 χ^2/NDF: 8408885.8/97

- sign 1652.352+/-0.216 χ^2/NDF: 4473075.4/49



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: -1926.463+/-303.090 χ^2/NDF: 15.7/26

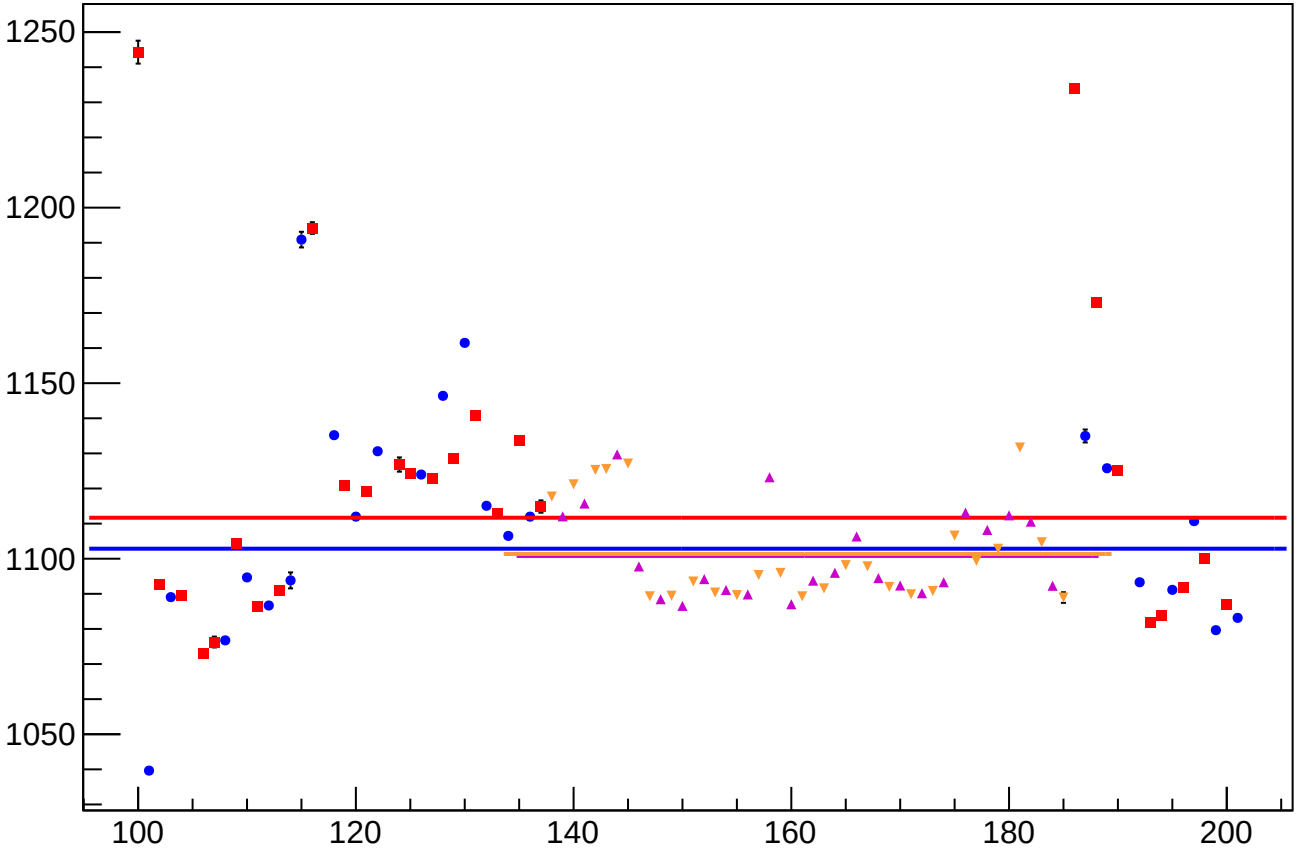
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2246.134+/-195.622 χ^2/NDF: 29.2/47

All: 52.407+/-138.471 χ^2/NDF: 327.8/97

- sign -2150.579+/-196.034 χ^2/NDF: 46.5/49

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: 1111.672+/-0.214 χ^2/NDF: 26155.6/26

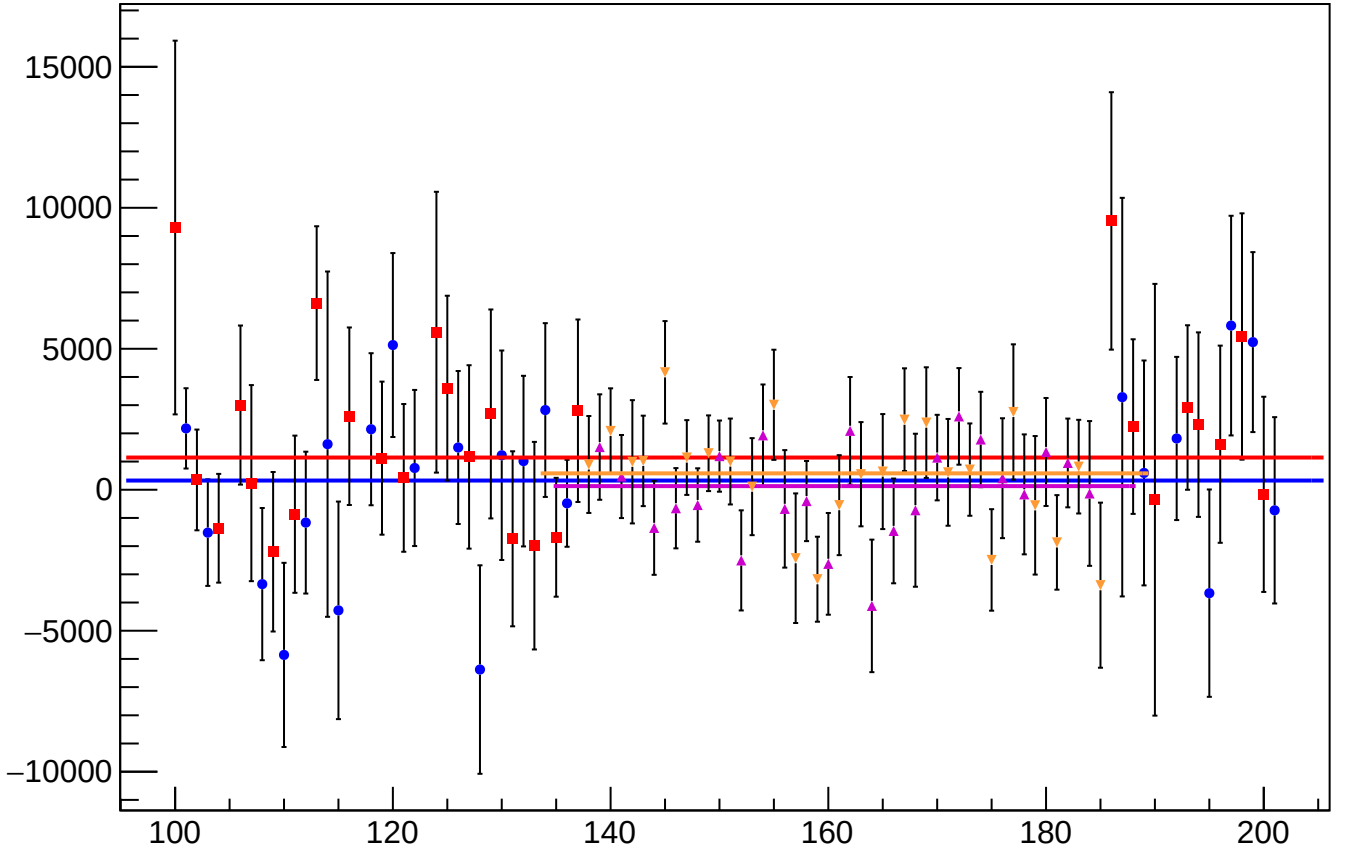
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1101.937+/-0.138 χ^2/NDF: 22002.8/47

All: 1103.637+/-0.098 χ^2/NDF: 54601.7/97

- sign 1105.344+/-0.139 χ^2/NDF: 32296.3/49

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: 1142.616+/-579.197 χ^2/NDF: 20.5/26

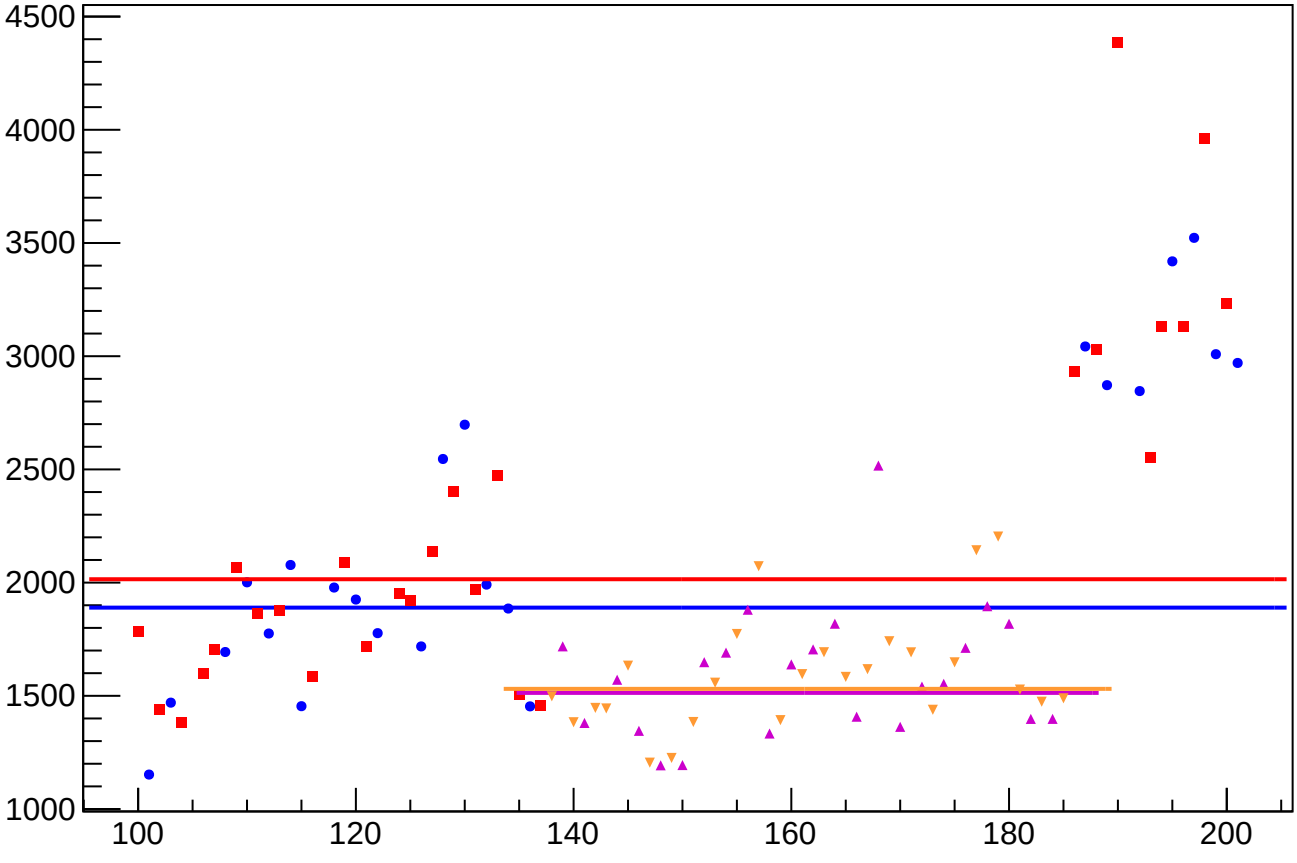
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 510.824+/-300.496 χ^2/NDF: 48.7/47

All: 461.351+/-214.133 χ^2/NDF: 89.3/97

- sign 410.310+/-305.219 χ^2/NDF: 40.6/49

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

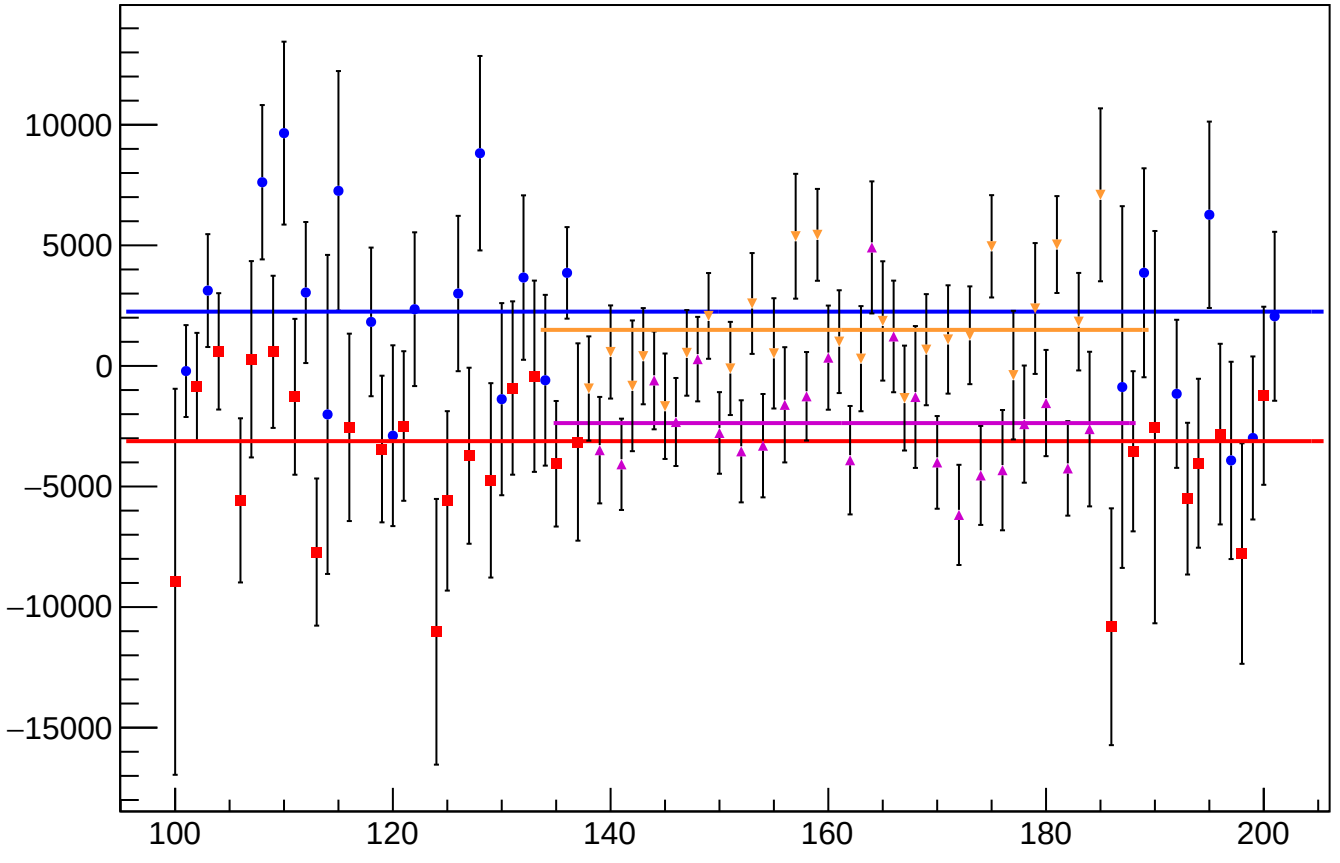
Right Out: 2014.955+/-0.410 χ^2/NDF: 2430778.1/26

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1630.130+/-0.212 χ^2/NDF: 3930407.6/47

All: 1641.069+/-0.151 χ^2/NDF: 8408842.3/97

- sign 1652.355+/-0.216 χ^2/NDF: 4473049.7/49



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: -3119.563+/-670.005 χ^2/NDF: 17.3/26

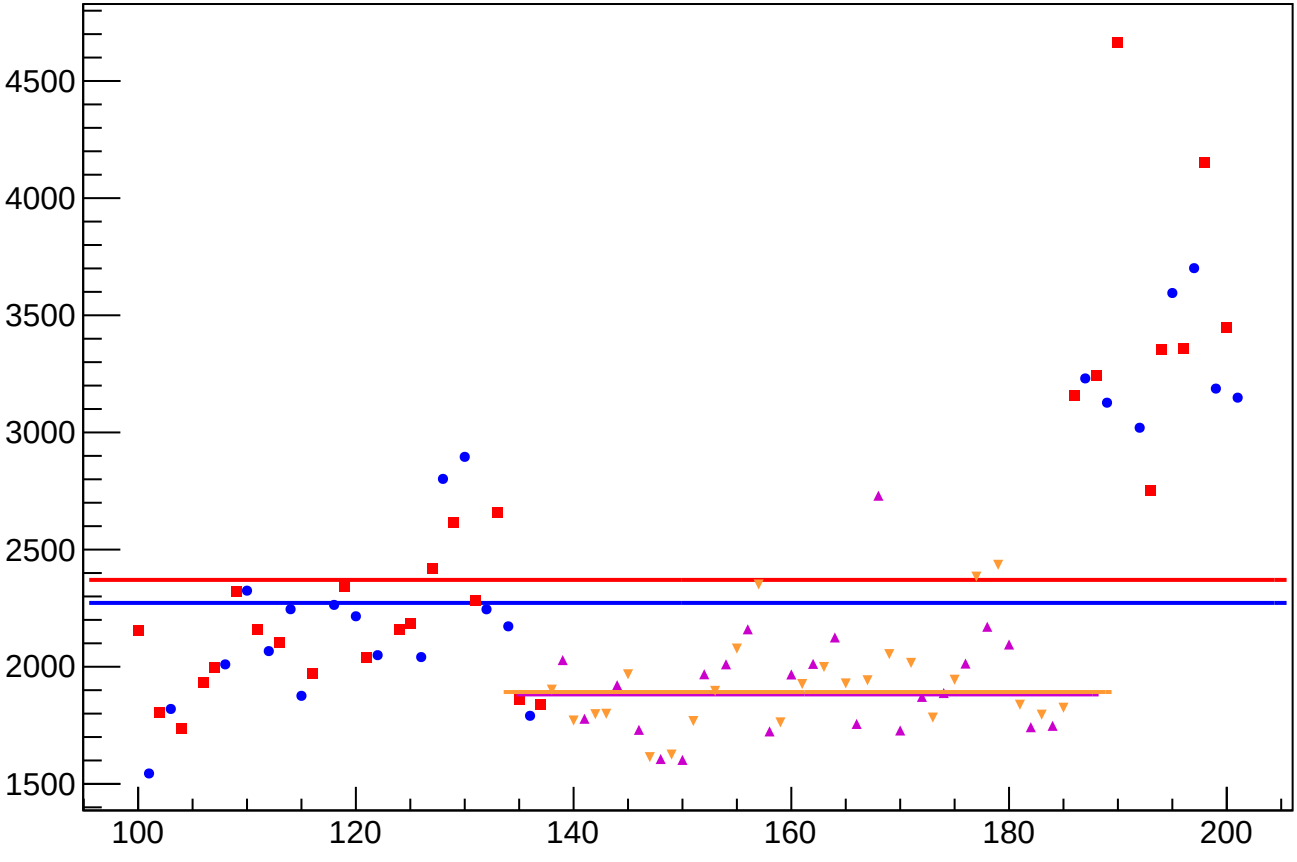
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1717.199+/-364.028 χ^2/NDF: 48.9/47

All: -408.426+/-259.321 χ^2/NDF: 159.9/97

- sign -2598.457+/-369.502 χ^2/NDF: 41.8/49

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

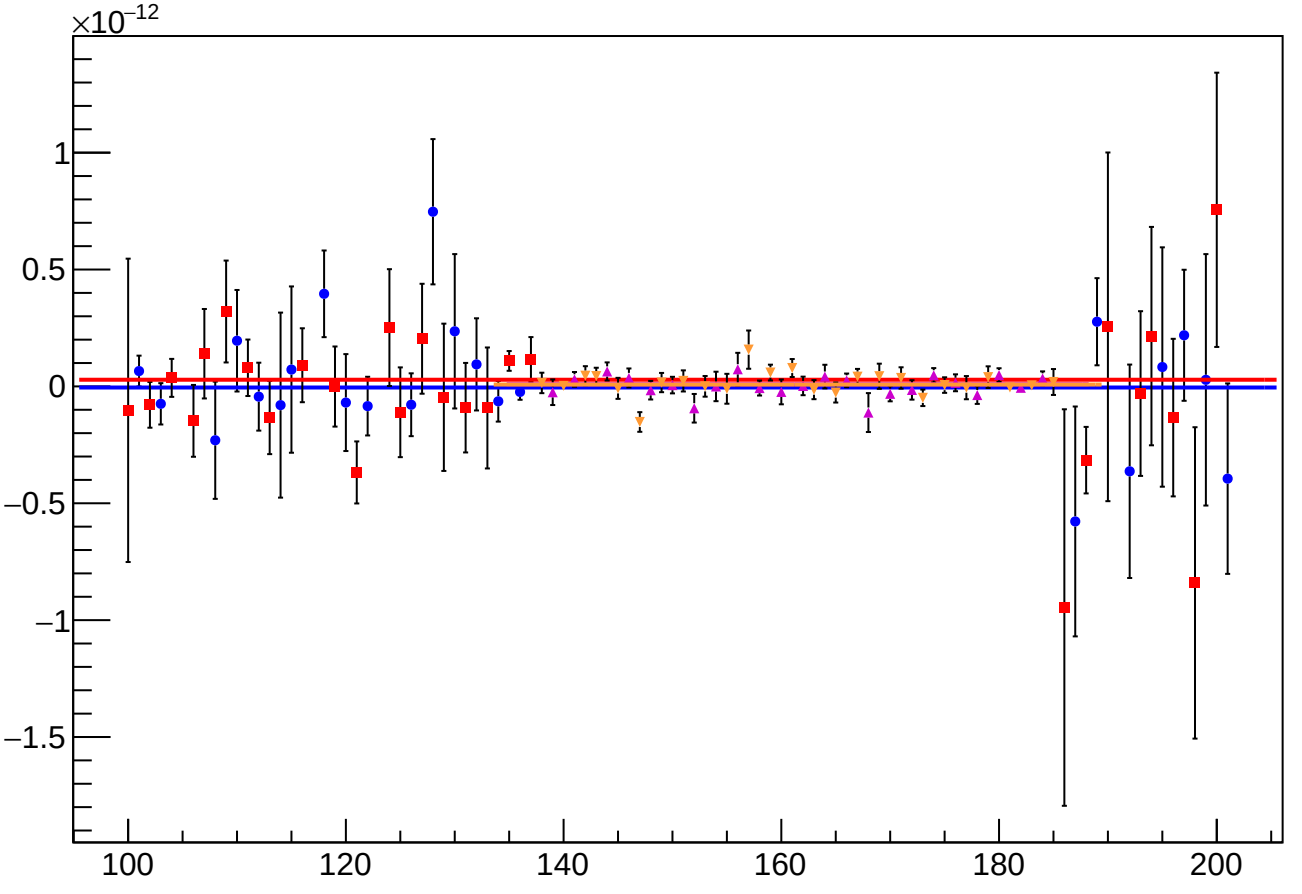
Right Out: 2370.675+/-0.474 χ^2/NDF: 1673276.2/26

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 2003.880+/-0.257 χ^2/NDF: 2459358.2/47

All: 2017.017+/-0.183 χ^2/NDF: 5341255.5/97

- sign 2030.552+/-0.261 χ^2/NDF: 2876609.0/49



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: 32.9/26

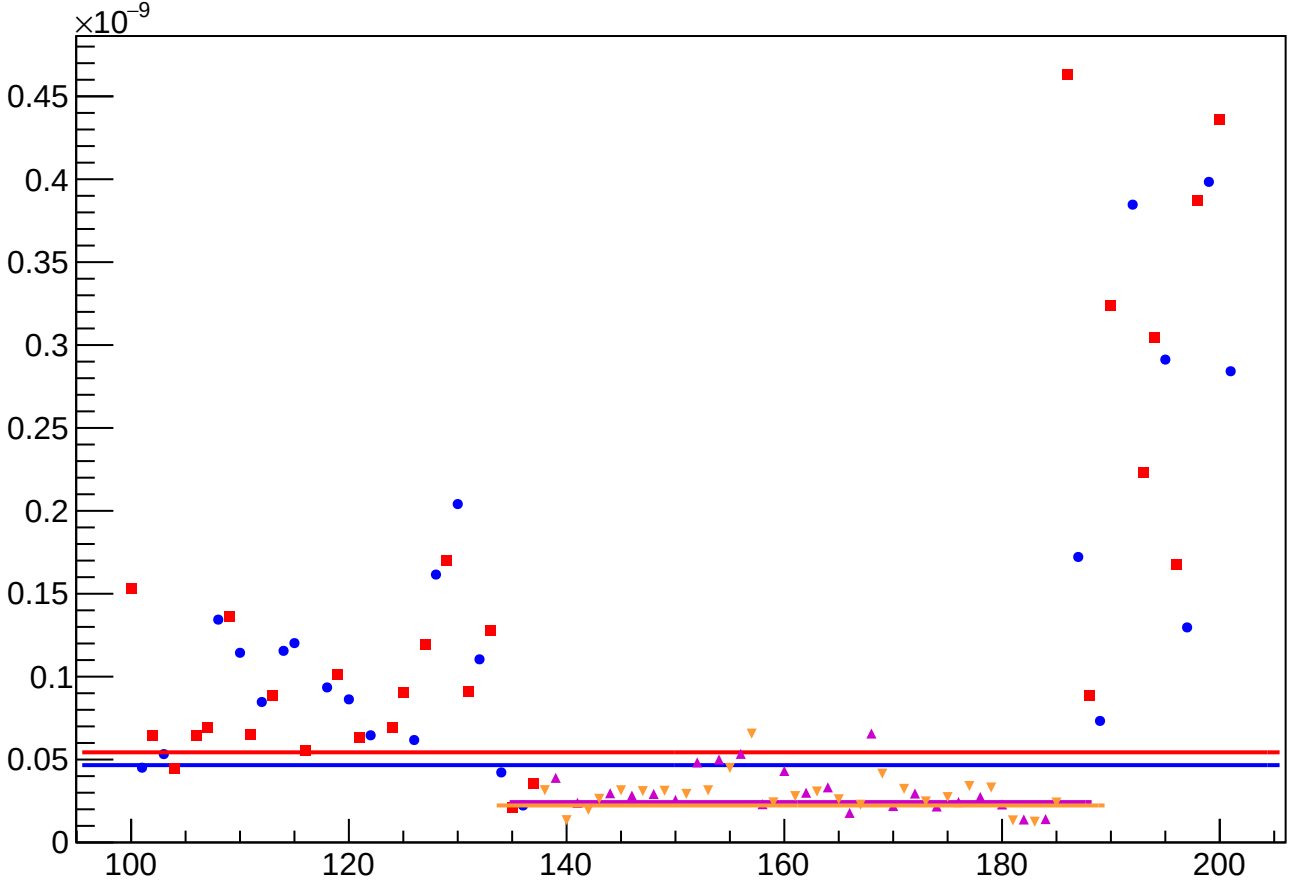
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.9/47

All: 0.000+/-0.000 χ^2/NDF: 107.6/97

- sign 0.000+/-0.000 χ^2/NDF: 52.5/49

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: 6149246.2/26

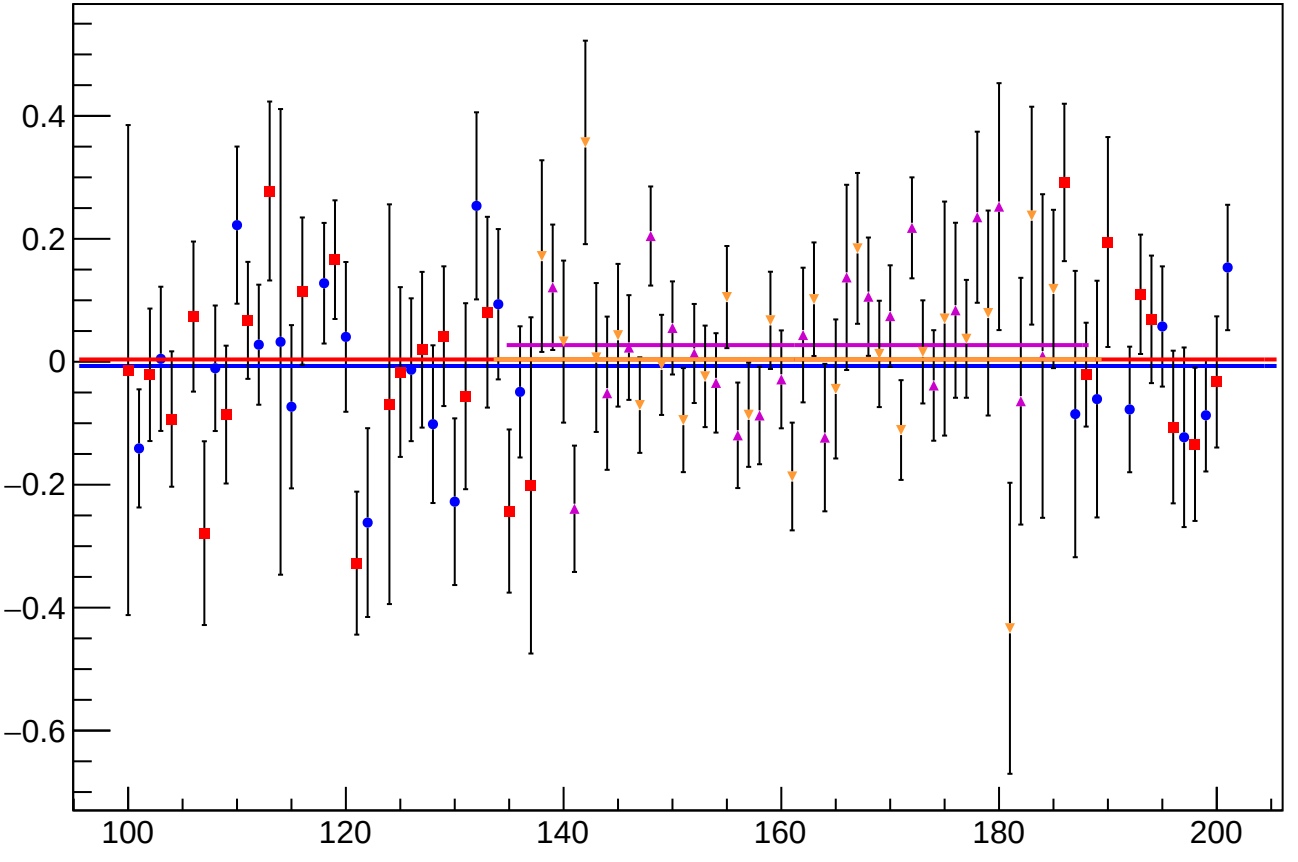
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11986670.4/47

All: 0.000+/-0.000 χ^2/NDF: 23797950.8/97

- sign 0.000+/-0.000 χ^2/NDF: 11687755.1/49

asym_usr_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: 0.004+/-0.024 χ^2/NDF: 35.9/26

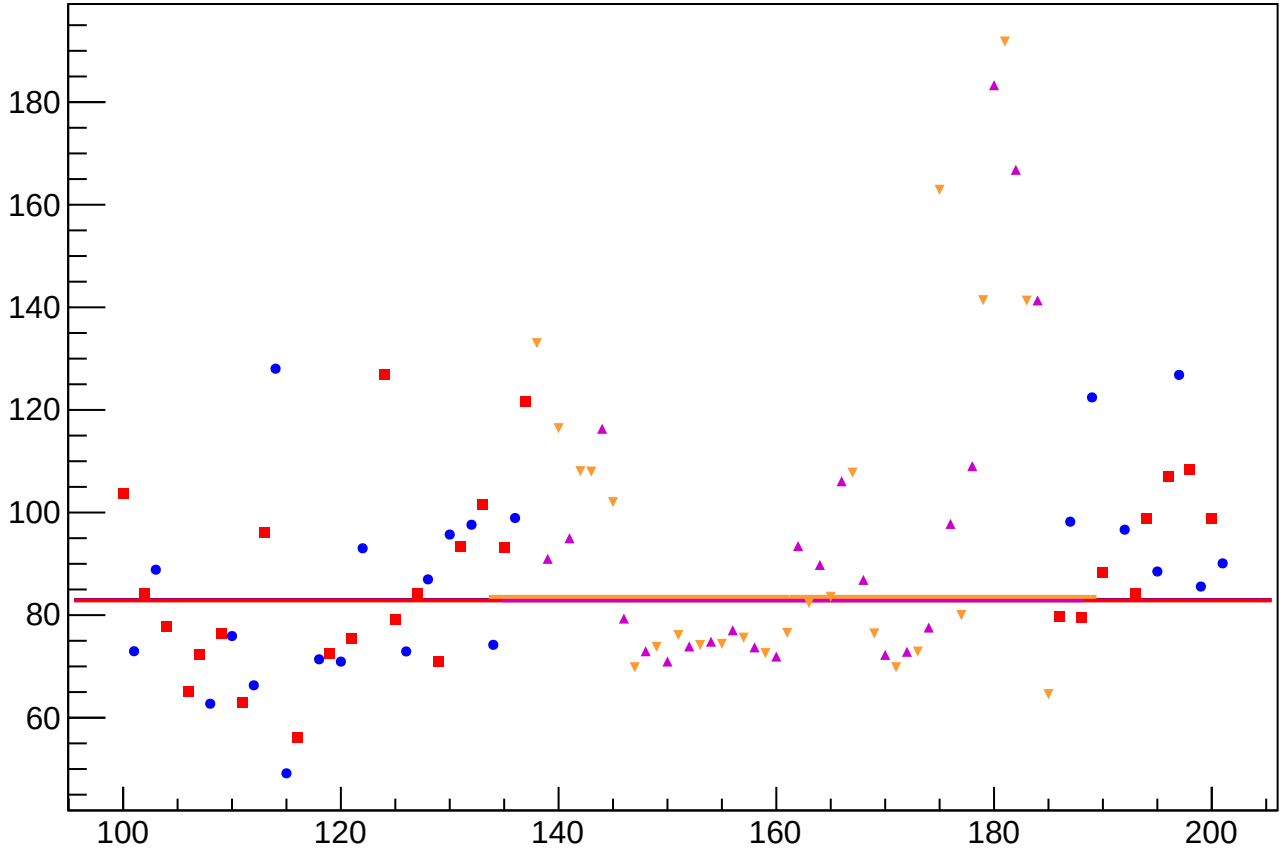
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.000+/-0.016 χ^2/NDF: 50.6/47

All: 0.009+/-0.011 χ^2/NDF: 119.6/97

- sign 0.017+/-0.016 χ^2/NDF: 68.4/49

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

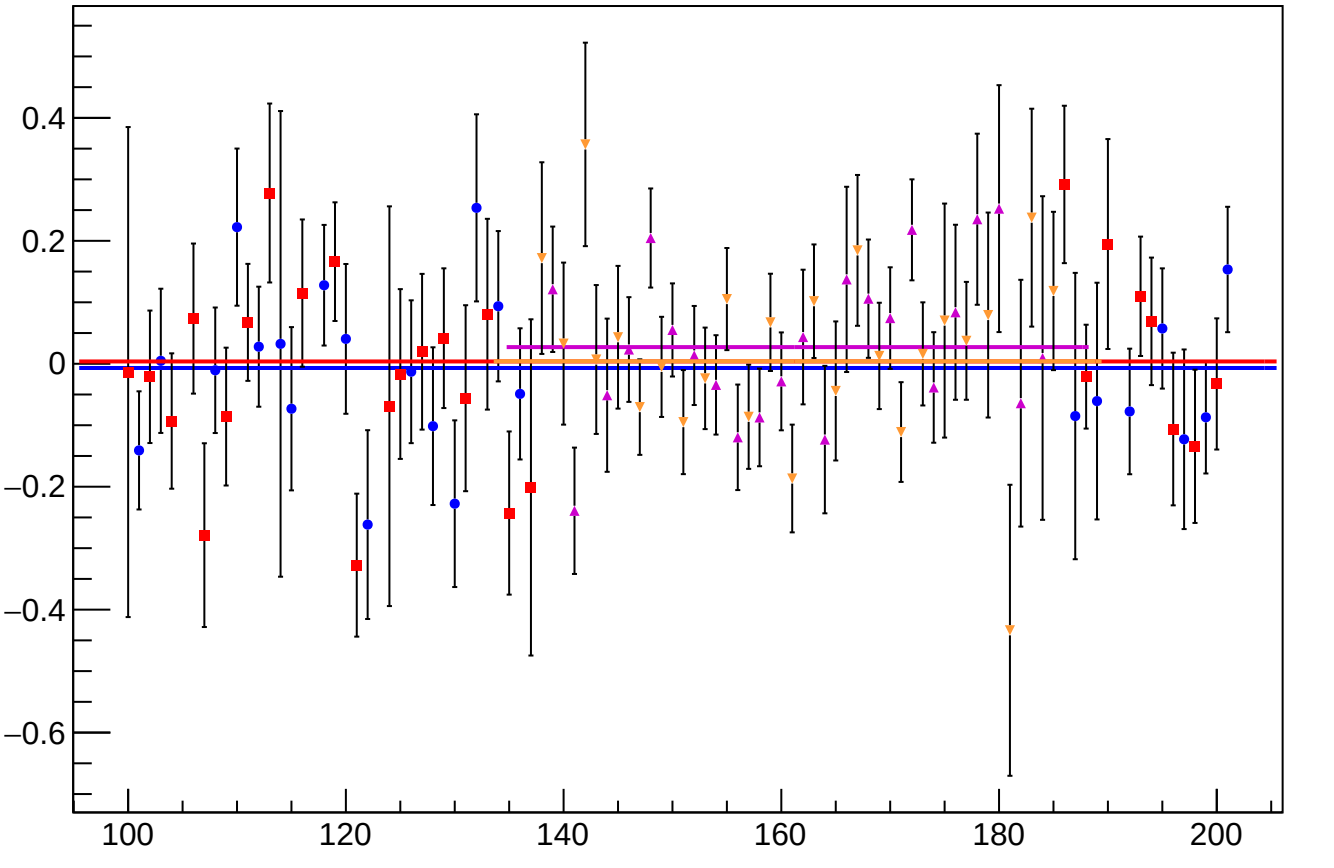
Right Out: 82.877+/-0.017 χ^2/NDF: 711192.1/26

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 83.317+/-0.011 χ^2/NDF: 2991728.1/47

All: 83.098+/-0.008 χ^2/NDF: 5276691.0/97

- sign 82.885+/-0.011 χ^2/NDF: 2284195.6/49



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: 0.004+/-0.024 χ^2/NDF: 35.9/26

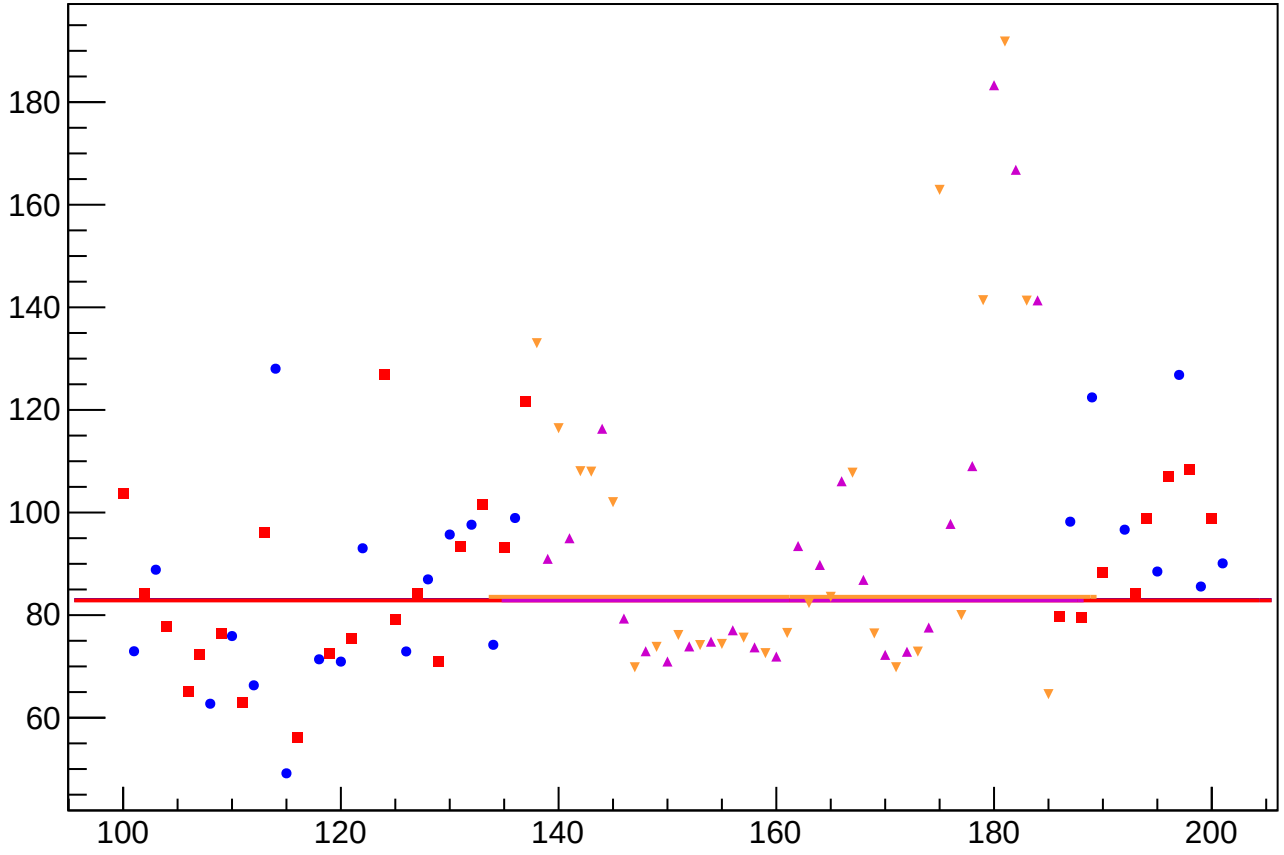
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.000+/-0.016 χ^2/NDF: 50.6/47

All: 0.009+/-0.011 χ^2/NDF: 119.6/97

- sign 0.017+/-0.016 χ^2/NDF: 68.4/49

asym_usr_dit_vs_eigen_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

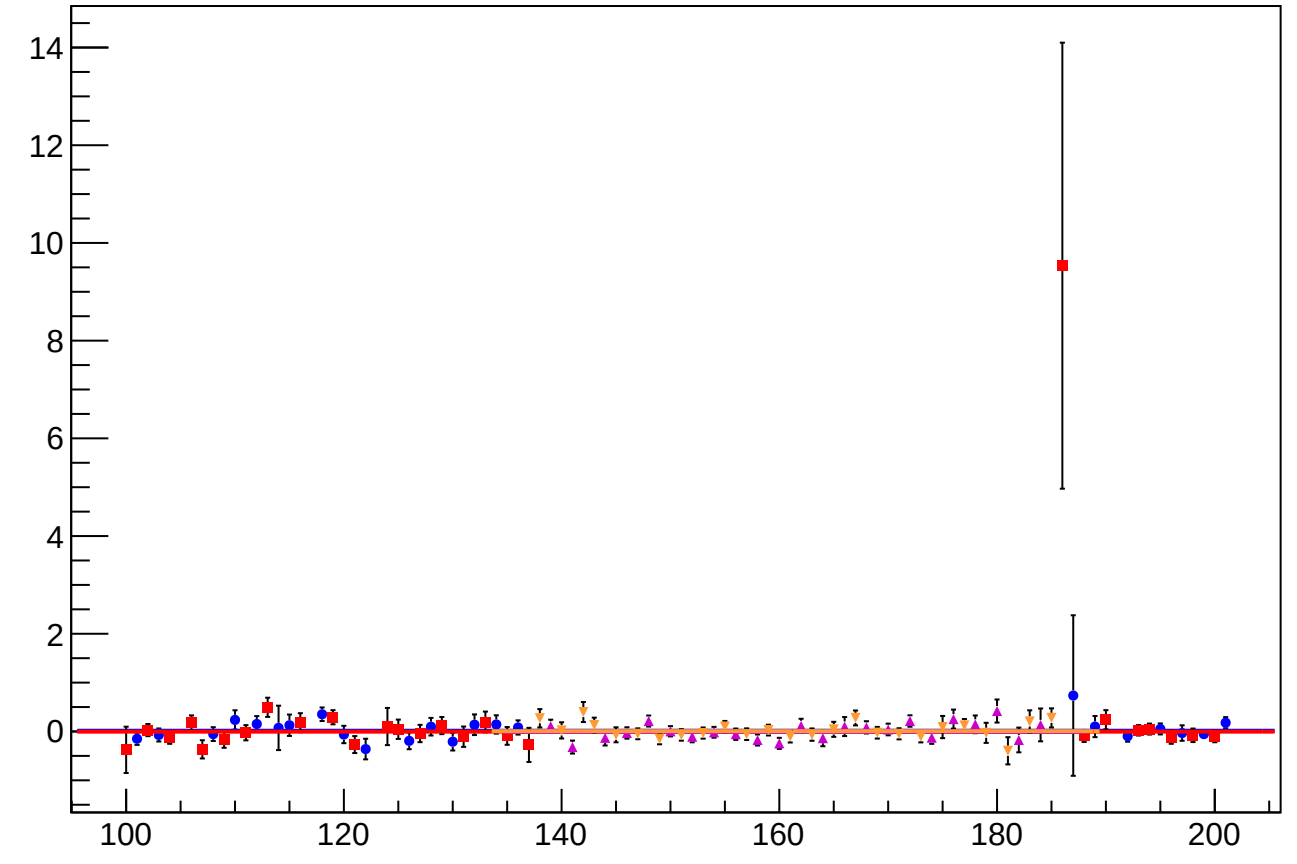
Right Out: 82.877+/-0.017 χ^2/NDF: 711192.1/26

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 83.317+/-0.011 χ^2/NDF: 2991728.1/47

All: 83.098+/-0.008 χ^2/NDF: 5276691.0/97

- sign 82.885+/-0.011 χ^2/NDF: 2284195.6/49



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: -0.004+/-0.031 χ^2/NDF: 32.2/26

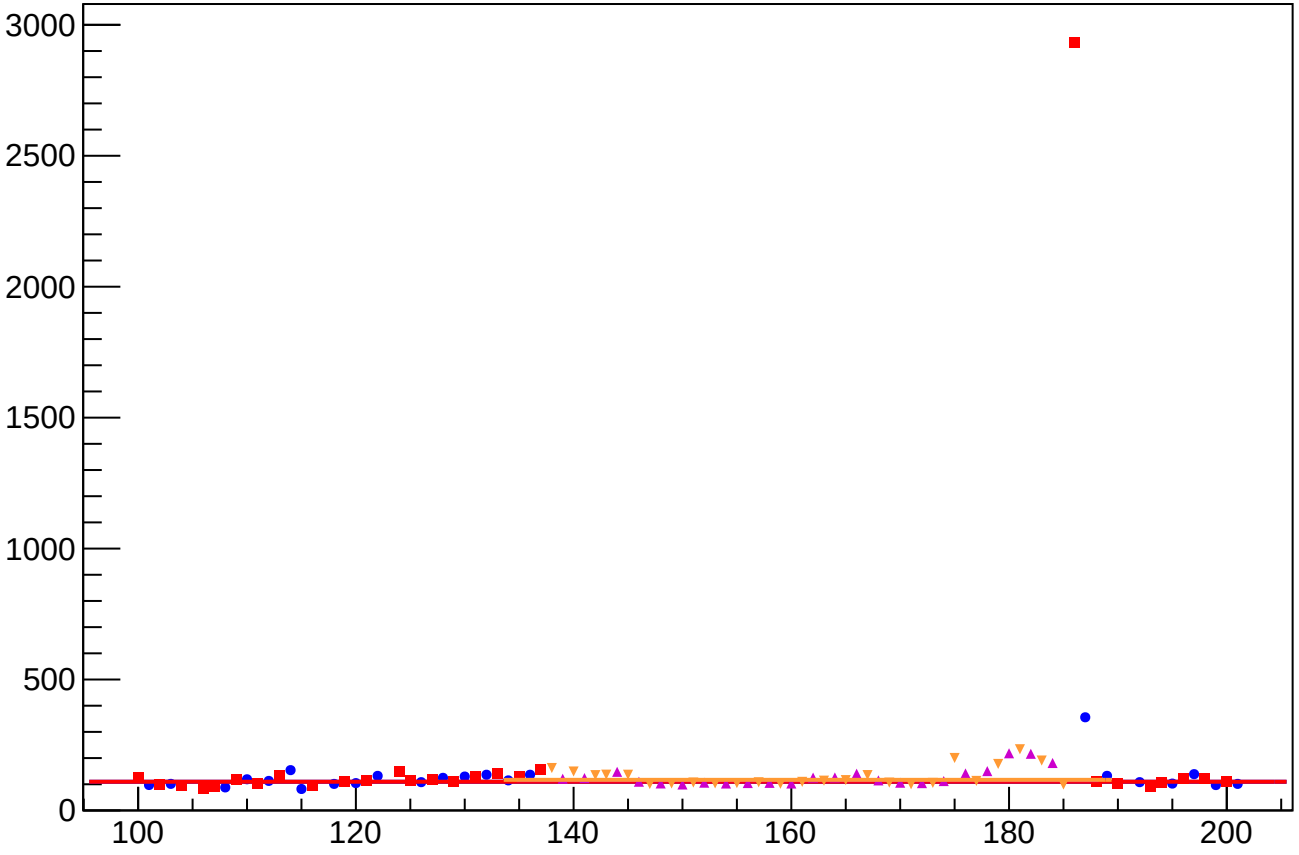
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.010+/-0.021 χ^2/NDF: 43.6/47

All: 0.001+/-0.015 χ^2/NDF: 107.4/97

- sign -0.007+/-0.021 χ^2/NDF: 63.5/49

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

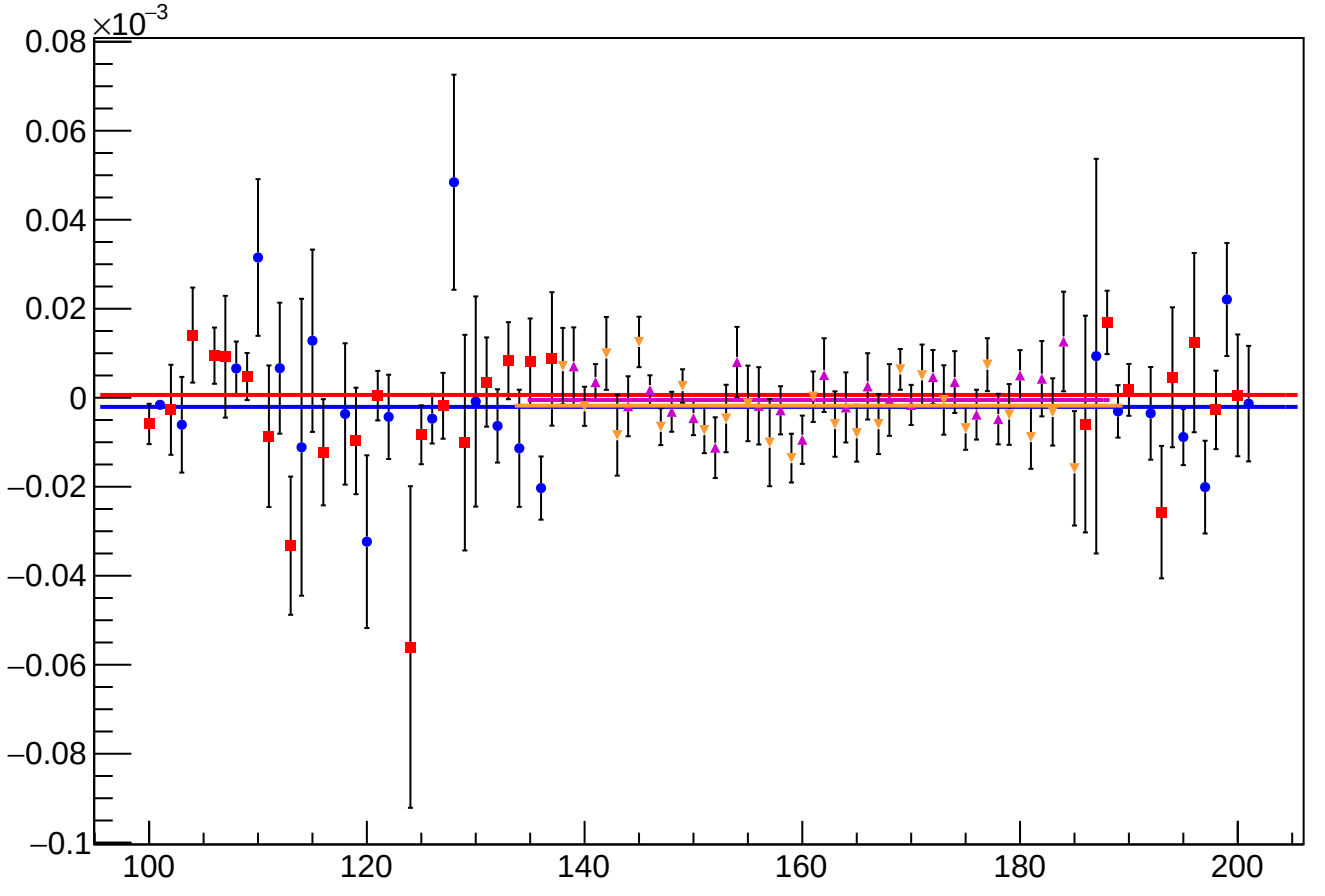
Right Out: 109.688+/-0.022 χ^2/NDF: 1170645.0/26

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 113.750+/-0.015 χ^2/NDF: 2140416.4/47

All: 113.422+/-0.011 χ^2/NDF: 4586328.8/97

- sign 113.098+/-0.015 χ^2/NDF: 2444952.5/49



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: 29.1/26

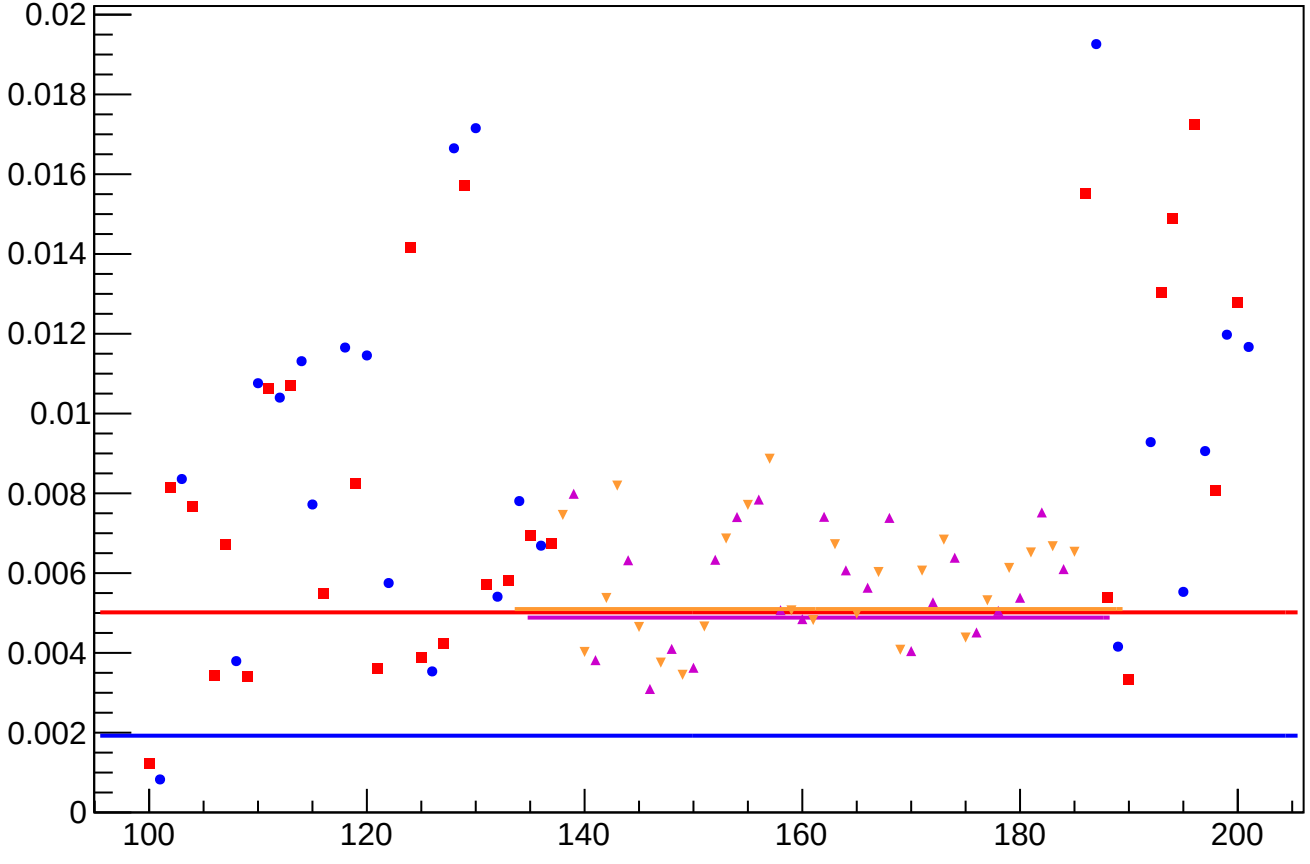
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/47

All: -0.000+/-0.000 χ^2/NDF: 107.6/97

- sign -0.000+/-0.000 χ^2/NDF: 45.0/49

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

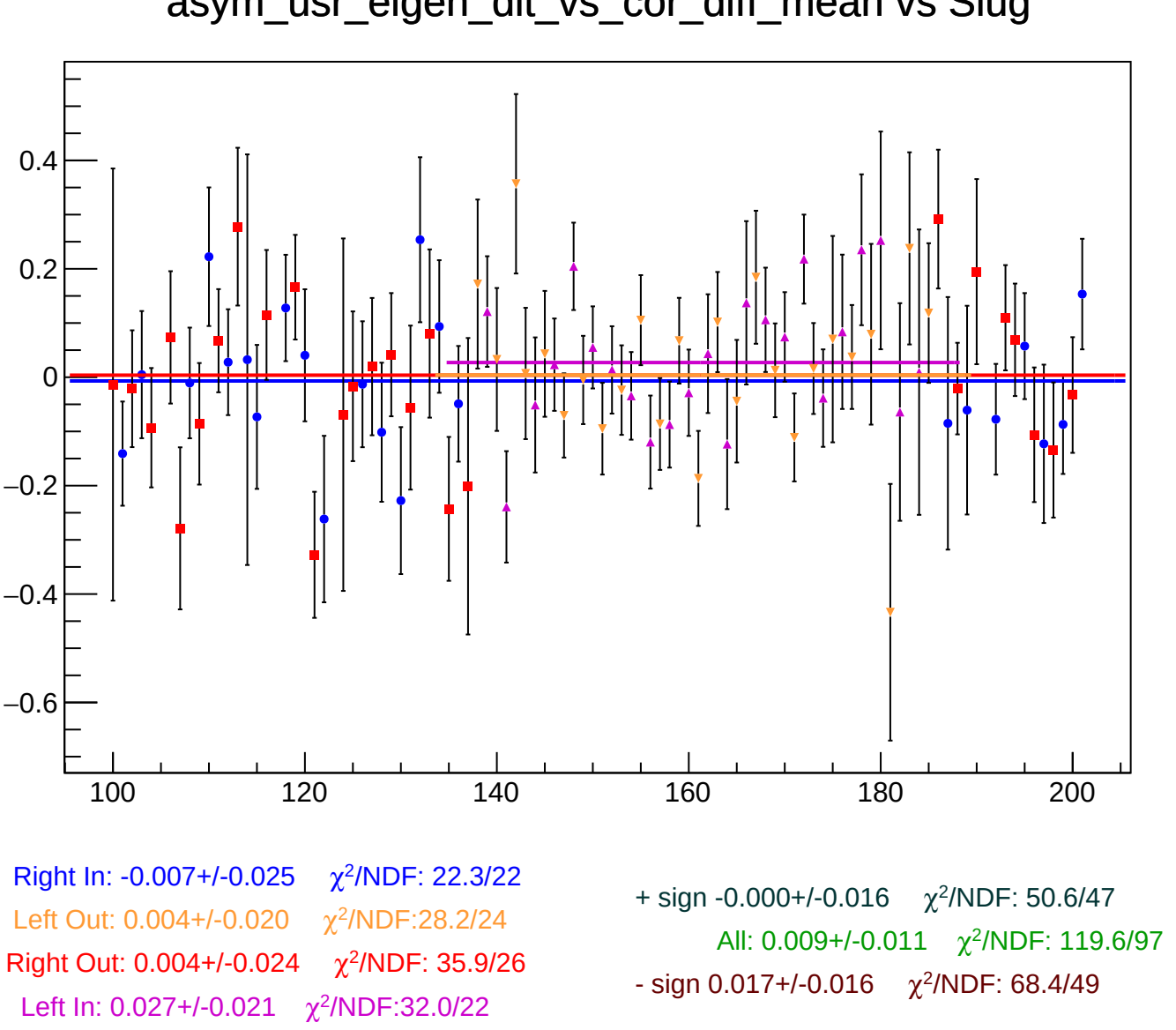
Right Out: 0.005+/-0.000 χ^2/NDF: 7117562.7/26

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

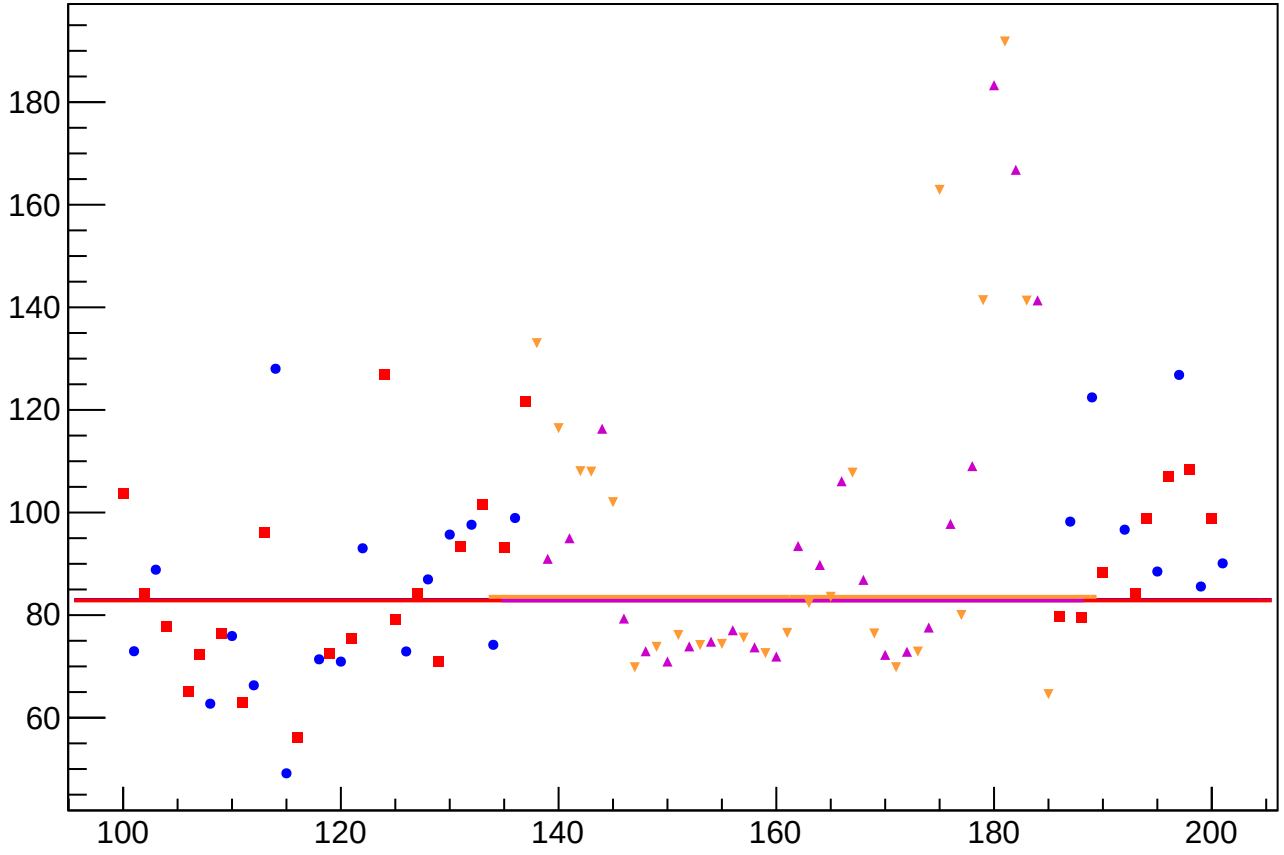
+ sign 0.003+/-0.000 χ^2/NDF: 26088128.9/47

All: 0.004+/-0.000 χ^2/NDF: 40341678.2/97

- sign 0.005+/-0.000 χ^2/NDF: 9851076.2/49


asym_usr_eigen_dit_vs_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: 0.004+/-0.024 χ²/NDF: 35.9/26
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign -0.000+/-0.016 χ²/NDF: 50.6/47
All: 0.009+/-0.011 χ²/NDF: 119.6/97
- sign 0.017+/-0.016 χ²/NDF: 68.4/49

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

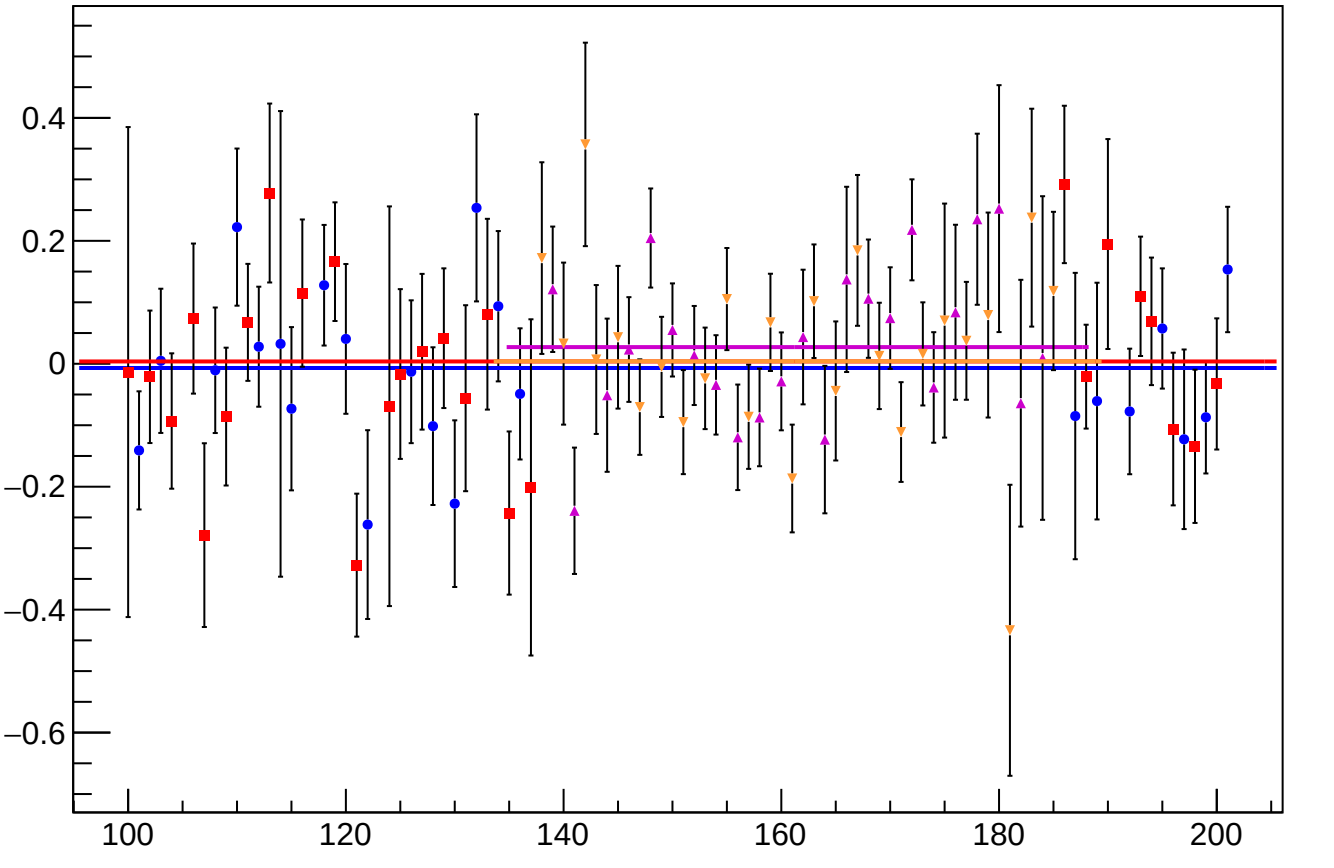
Right Out: 82.875+/-0.017 χ^2/NDF: 711193.1/26

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 83.317+/-0.011 χ^2/NDF: 2991746.9/47

All: 83.098+/-0.008 χ^2/NDF: 5276689.8/97

- sign 82.884+/-0.011 χ^2/NDF: 2284174.7/49



Right In: -0.007+/-0.025 χ^2/NDF: 22.3/22

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

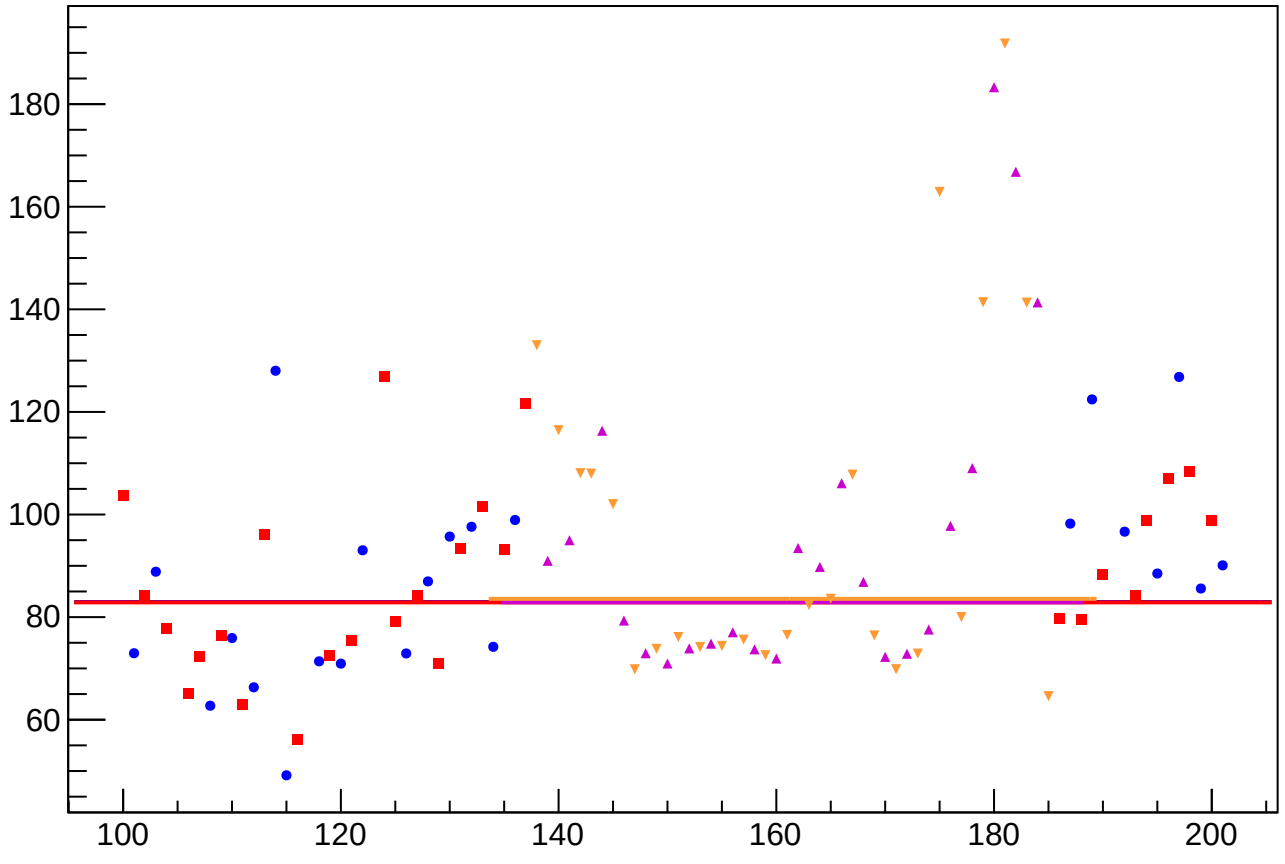
Right Out: 0.004+/-0.024 χ^2/NDF: 35.9/26

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.000+/-0.016 χ^2/NDF: 50.6/47

All: 0.009+/-0.011 χ^2/NDF: 119.6/97

- sign 0.017+/-0.016 χ^2/NDF: 68.4/49



Right In: 82.945+/-0.018 χ^2/NDF: 818081.3/22

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

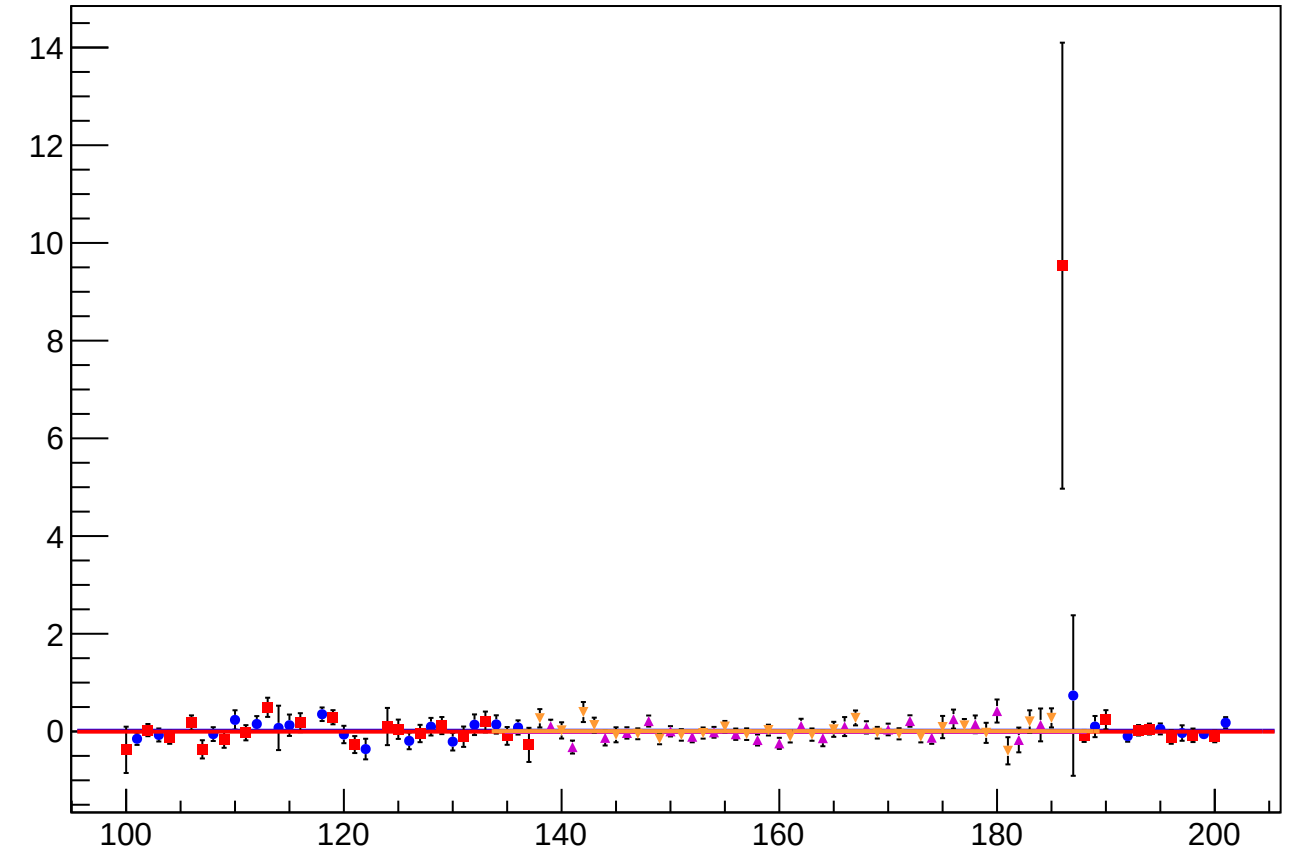
Right Out: 82.875+/-0.017 χ^2/NDF: 711193.1/26

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

\+ sign 83.317+/-0.011 χ^2/NDF: 2991746.9/47

All: 83.098+/-0.008 χ^2/NDF: 5276689.8/97

\- sign 82.884+/-0.011 χ^2/NDF: 2284174.7/49



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: -0.004+/-0.031 χ^2/NDF: 32.2/26

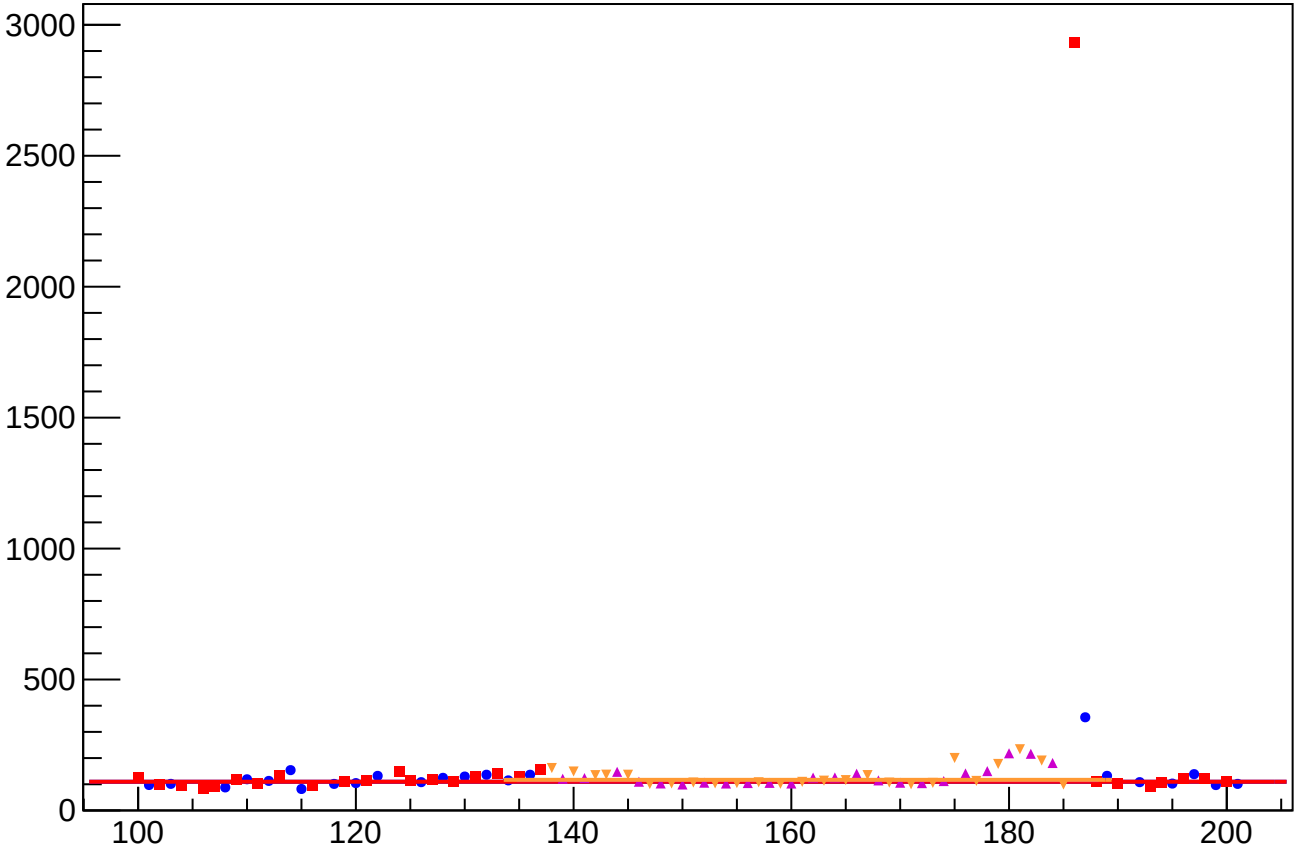
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.010+/-0.021 χ^2/NDF: 43.6/47

All: 0.001+/-0.015 χ^2/NDF: 107.4/97

- sign -0.007+/-0.021 χ^2/NDF: 63.5/49

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



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: 109.687+/-0.022 χ^2/NDF: 1170618.4/26

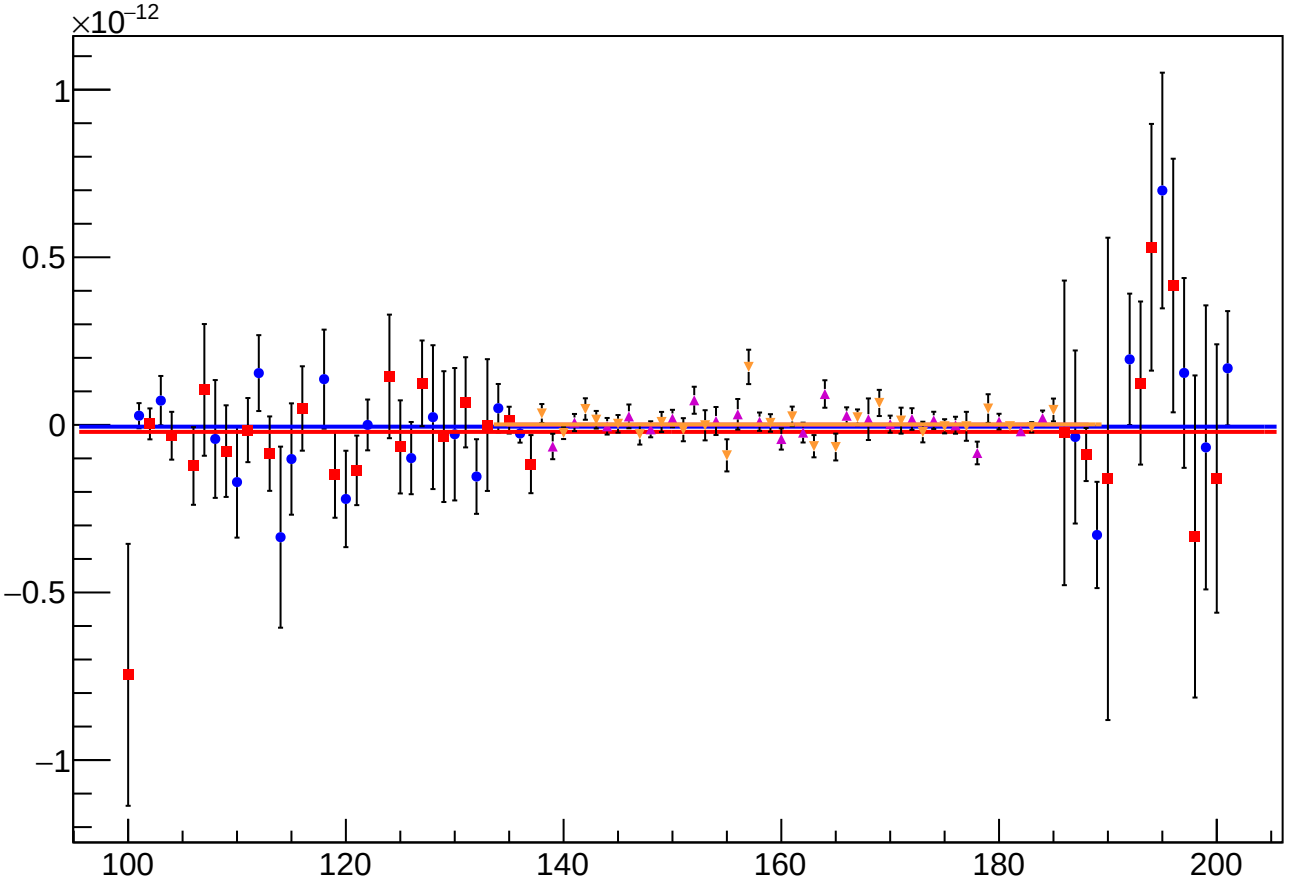
Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 113.750+/-0.015 χ^2/NDF: 2140397.7/47

All: 113.421+/-0.011 χ^2/NDF: 4586291.0/97

- sign 113.098+/-0.015 χ^2/NDF: 2444932.9/49

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

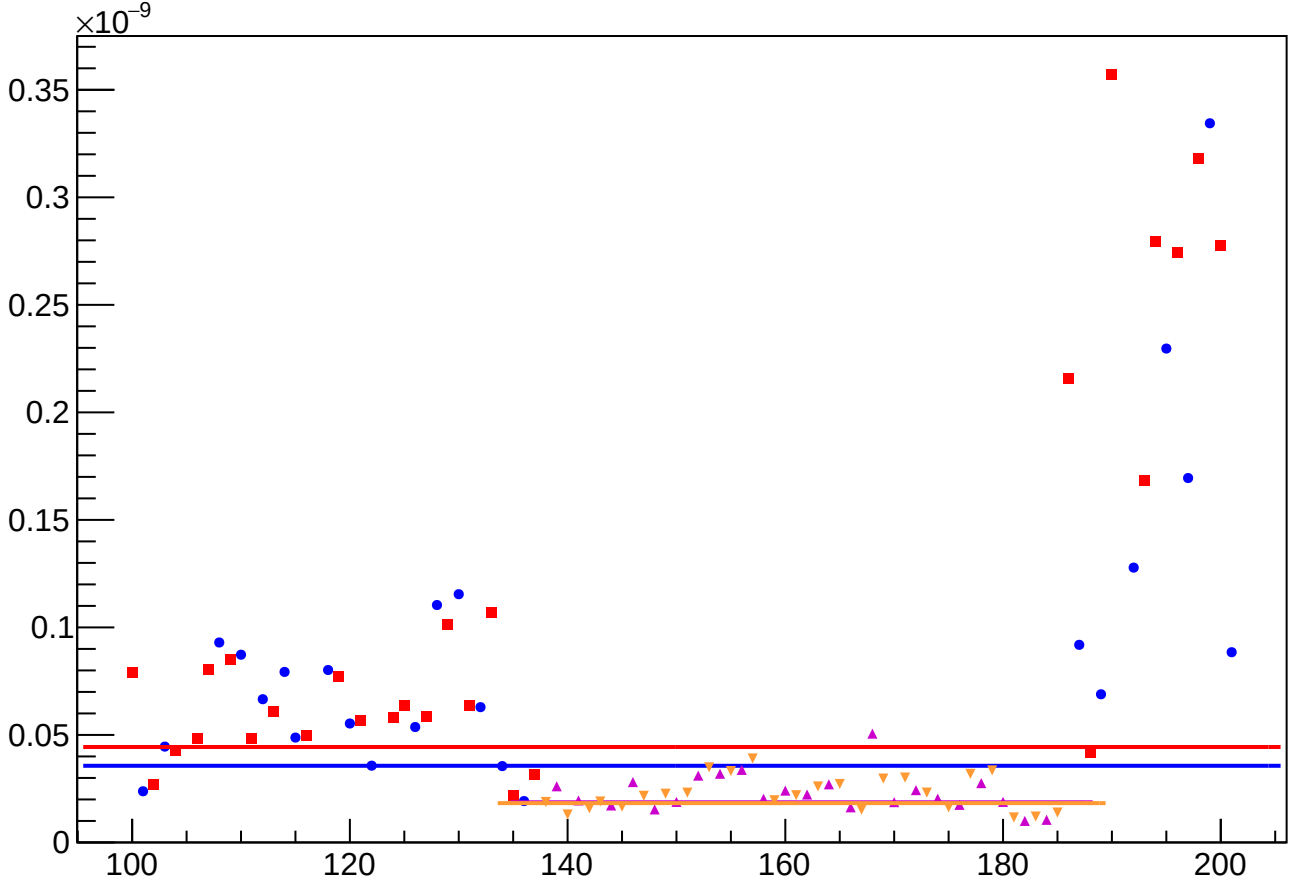
Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/26

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: 106.7/97

- sign -0.000+/-0.000 χ^2/NDF: 45.6/49



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: 6008485.9/26

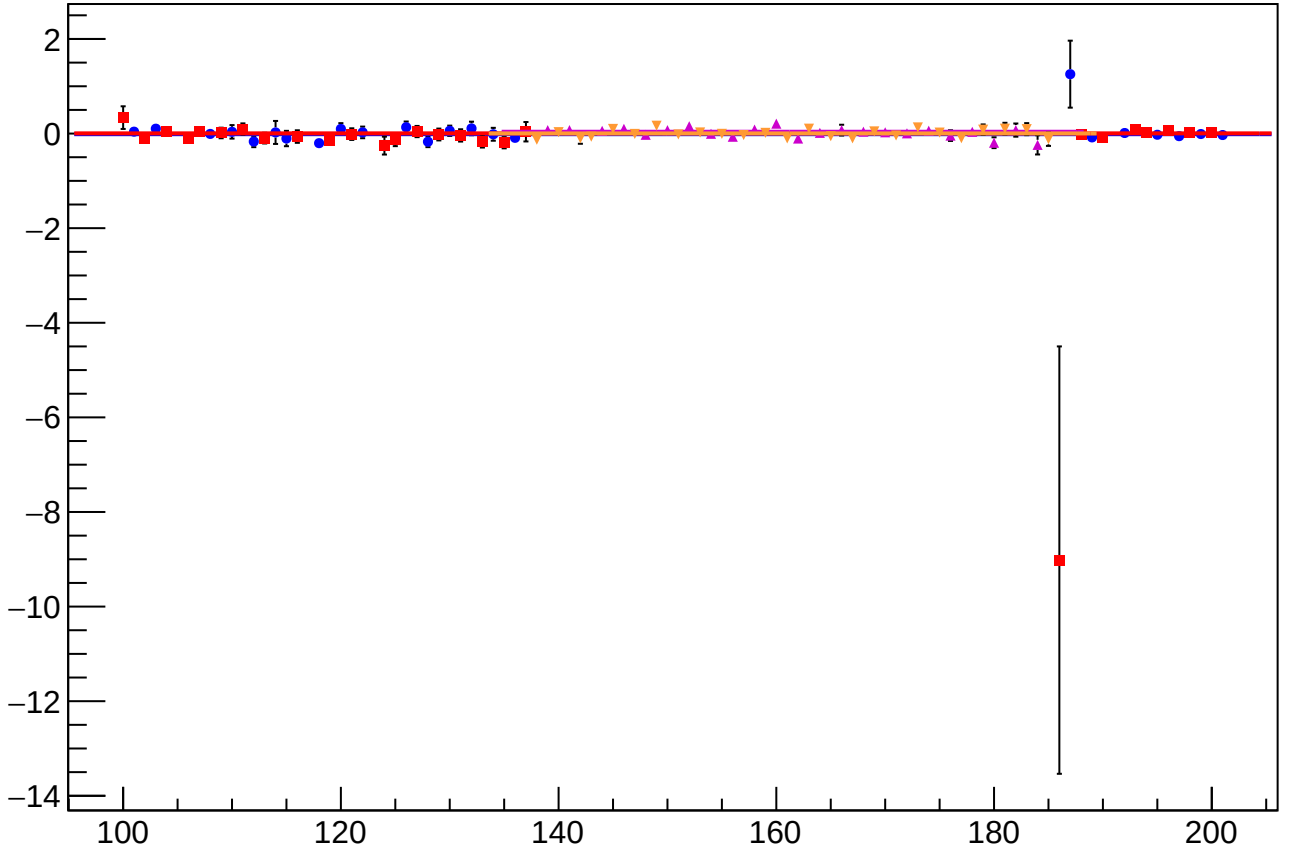
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10229381.6/47

All: 0.000+/-0.000 χ^2/NDF: 22168128.5/97

- sign 0.000+/-0.000 χ^2/NDF: 11919293.6/49

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: 0.004+/-0.014 χ^2/NDF: 33.1/26

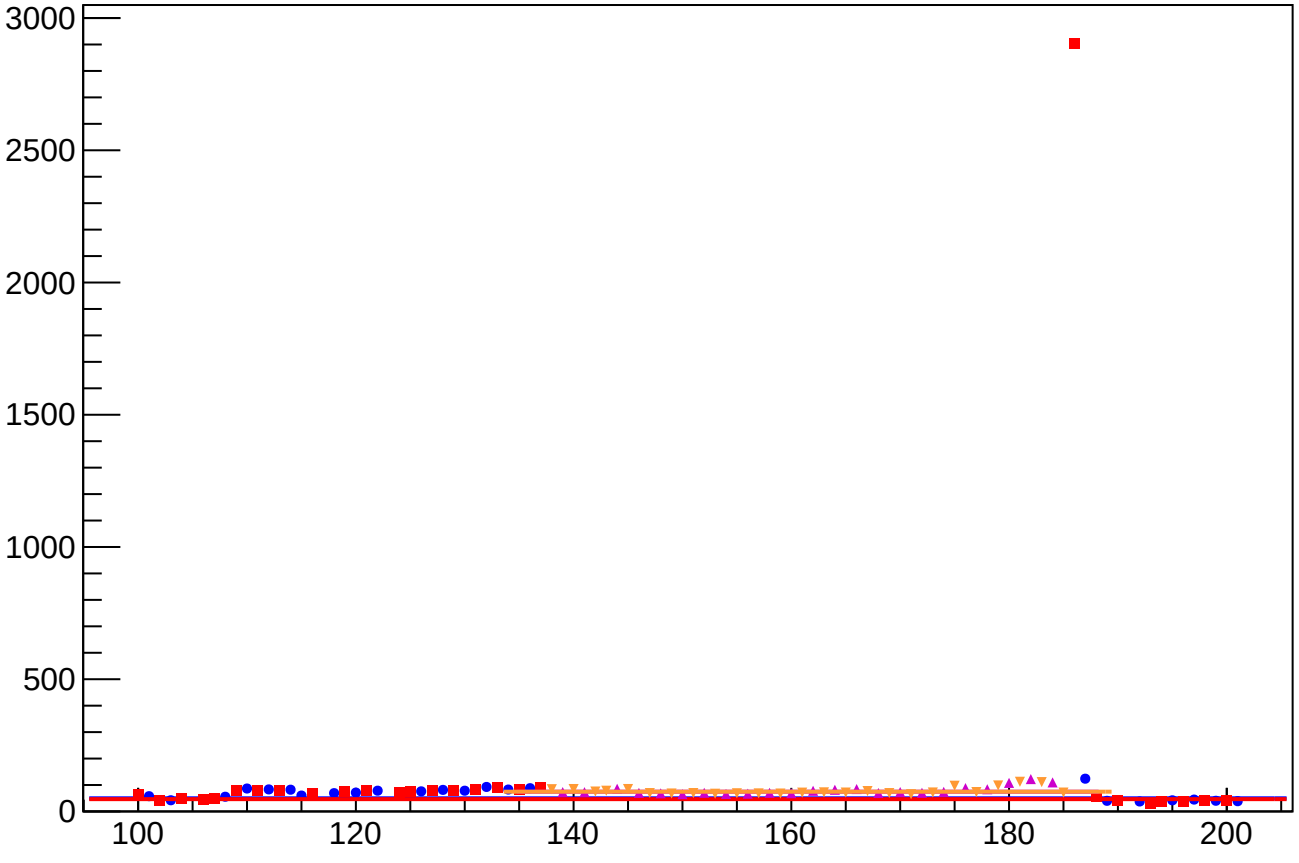
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.006+/-0.012 χ^2/NDF: 44.7/47

All: 0.006+/-0.008 χ^2/NDF: 103.8/97

- sign 0.018+/-0.011 χ^2/NDF: 56.9/49

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

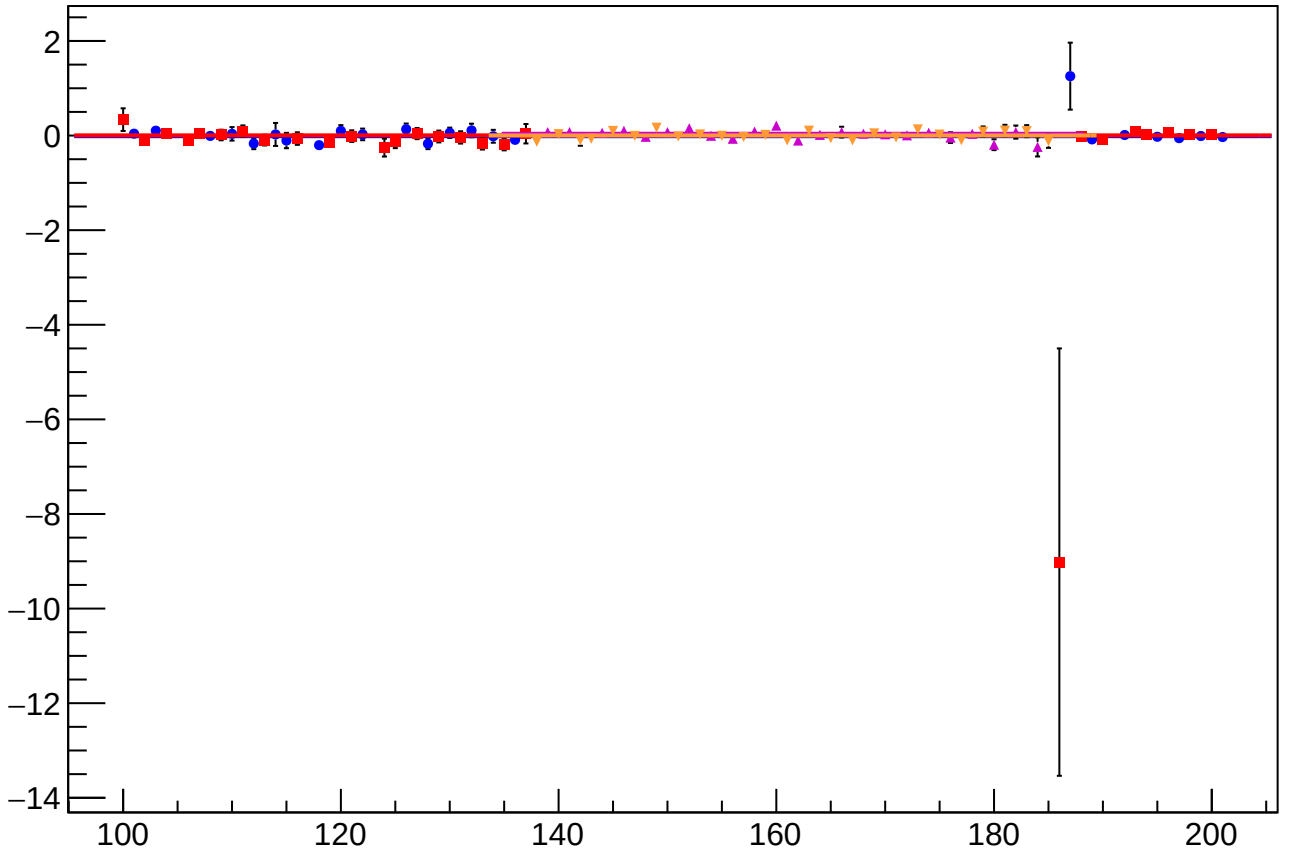
Right Out: 46.569+/-0.010 χ^2/NDF: 3534163.8/26

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 60.610+/-0.008 χ^2/NDF: 5290240.6/47

All: 58.929+/-0.006 χ^2/NDF: 12644212.0/97

- sign 57.367+/-0.008 χ^2/NDF: 7271634.8/49



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: 0.004+/-0.014 χ^2/NDF: 33.1/26

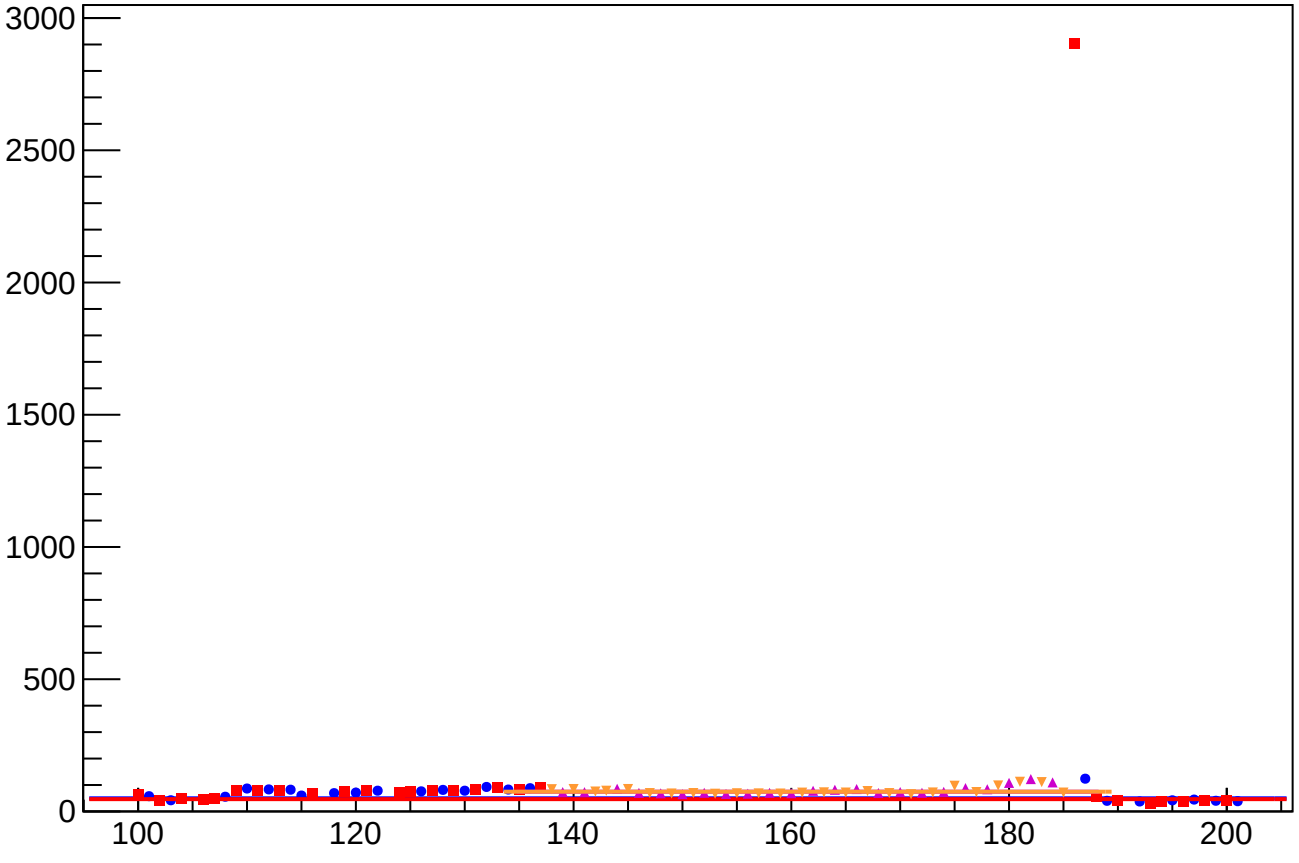
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.006+/-0.012 χ^2/NDF: 44.7/47

All: 0.006+/-0.008 χ^2/NDF: 103.8/97

- sign 0.018+/-0.011 χ^2/NDF: 56.9/49

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: 46.569+/-0.010 χ^2/NDF: 3534163.8/26

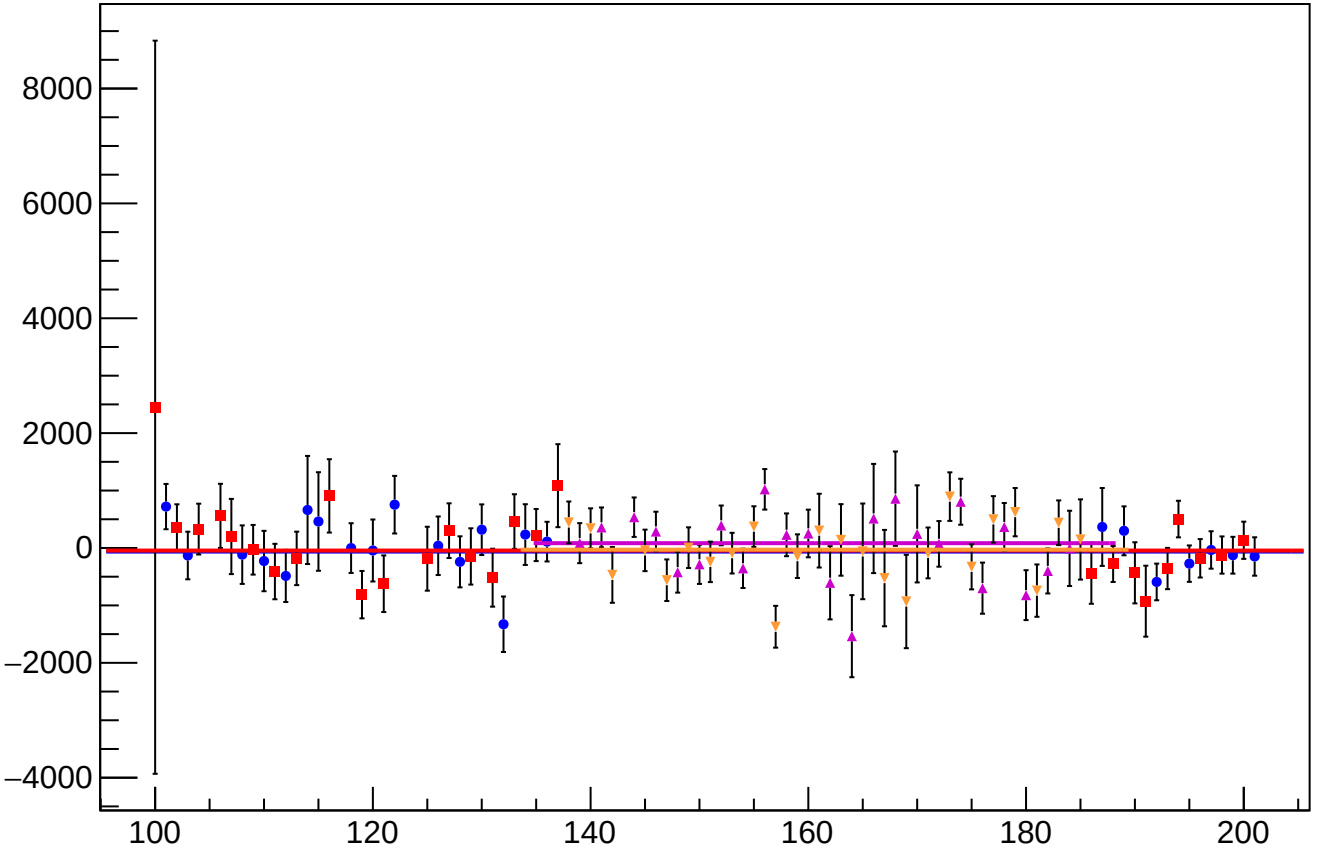
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 60.610+/-0.008 χ^2/NDF: 5290240.6/47

All: 58.929+/-0.006 χ^2/NDF: 12644212.0/97

- sign 57.367+/-0.008 χ^2/NDF: 7271634.8/49

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: -44.971+/-85.797 χ^2/NDF: 24.2/26

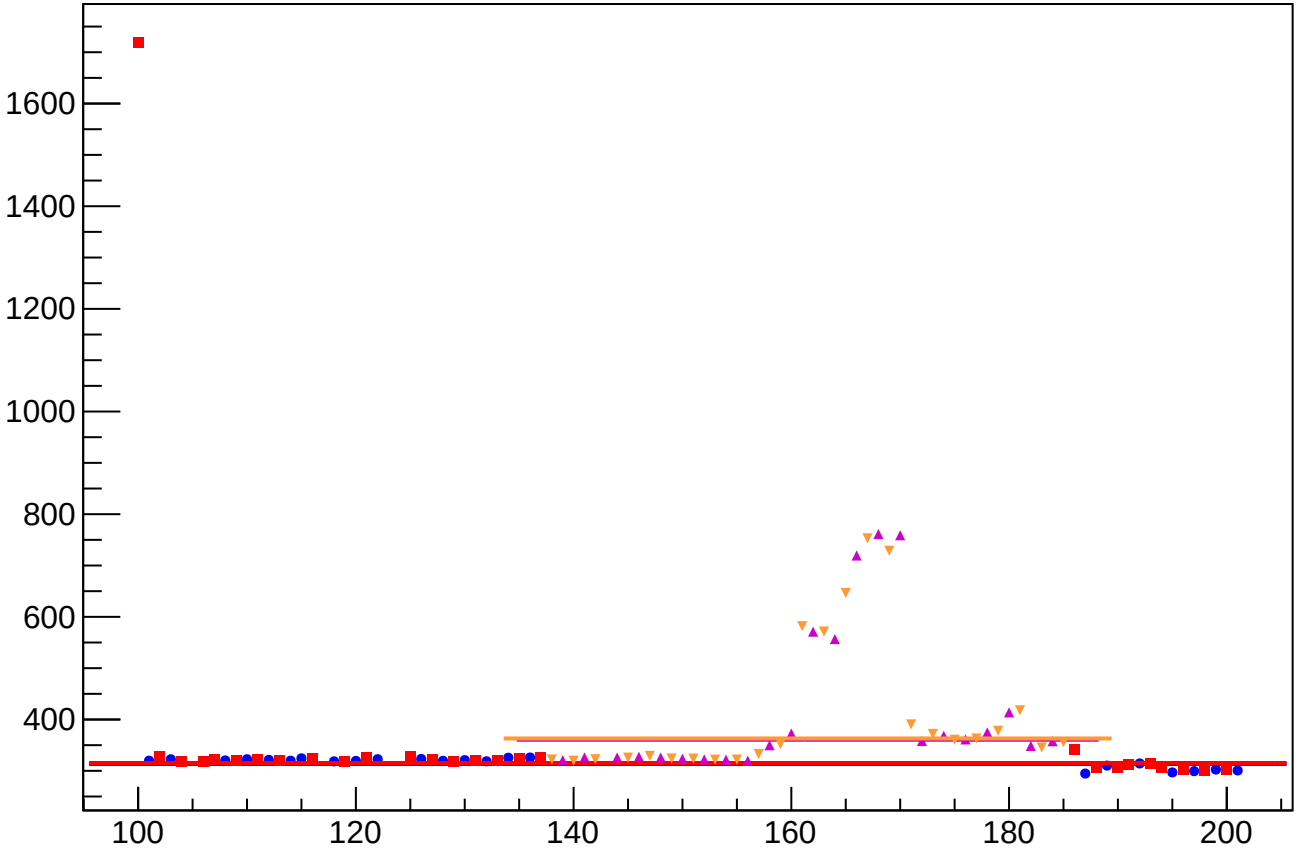
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

\+ sign -45.475+/-62.112 χ^2/NDF: 58.0/46

All: -12.674+/-43.487 χ^2/NDF: 119.7/96

\- sign 18.867+/-60.906 χ^2/NDF: 61.2/49

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

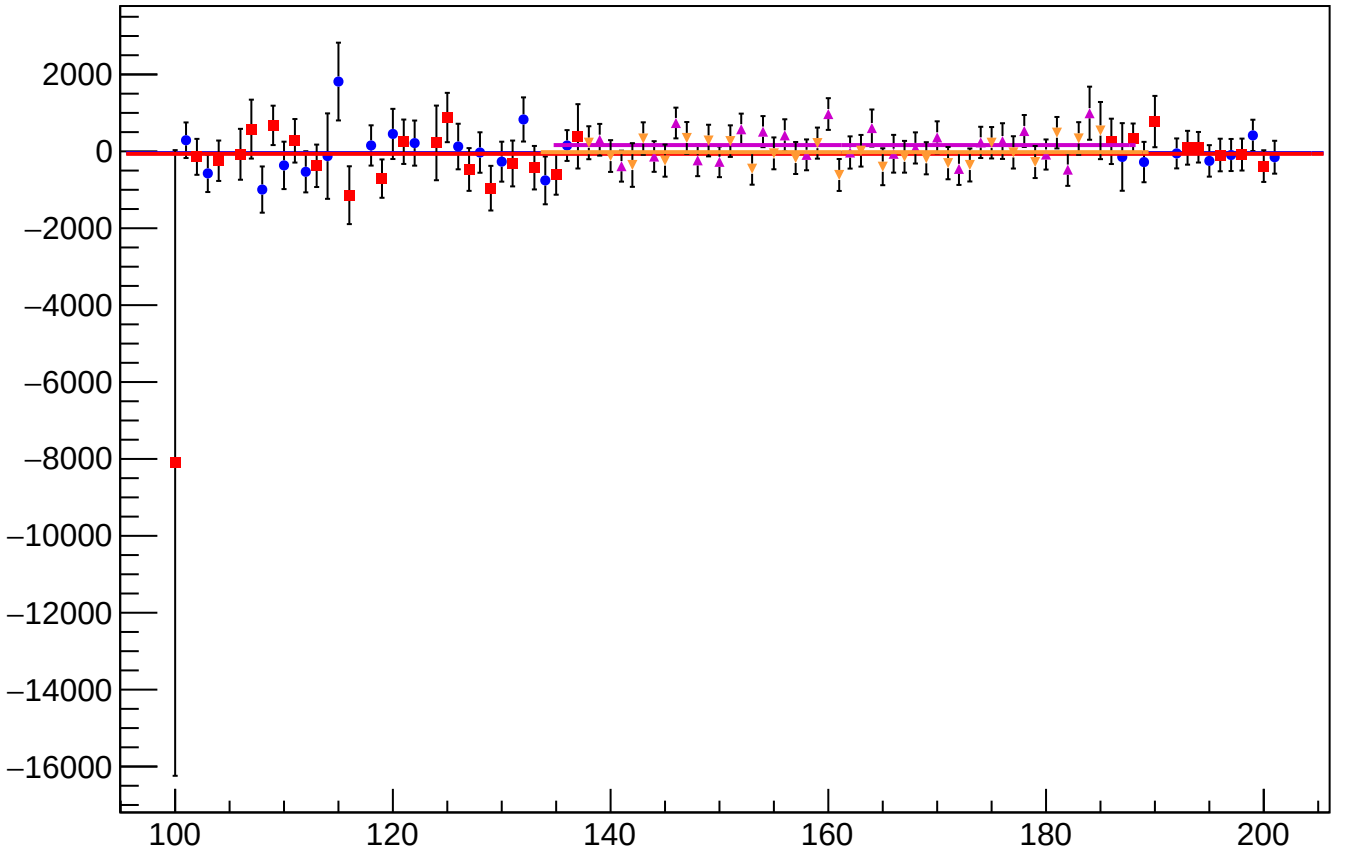
Right Out: 315.283+/-0.061 χ^2/NDF: 123225.0/26

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

\+ sign 339.041+/-0.044 χ^2/NDF: 2140174.0/46

All: 338.386+/-0.031 χ^2/NDF: 4358134.2/96

\- sign 337.756+/-0.043 χ^2/NDF: 2217523.7/49



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: -64.751+/-104.130 χ^2/NDF: 19.5/26

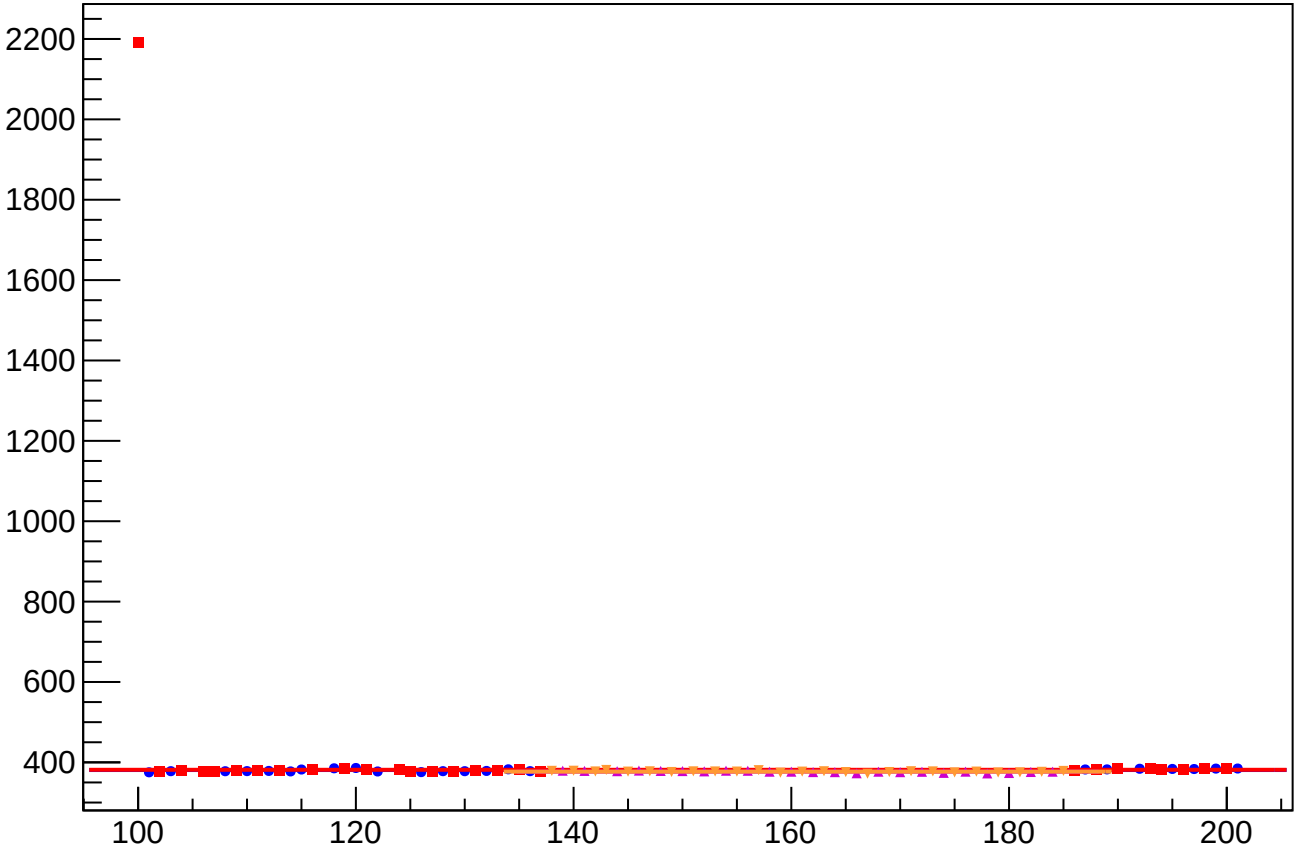
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -30.462+/-67.173 χ^2/NDF: 28.2/47

All: 18.801+/-47.511 χ^2/NDF: 73.3/97

- sign 68.117+/-67.209 χ^2/NDF: 44.0/49

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

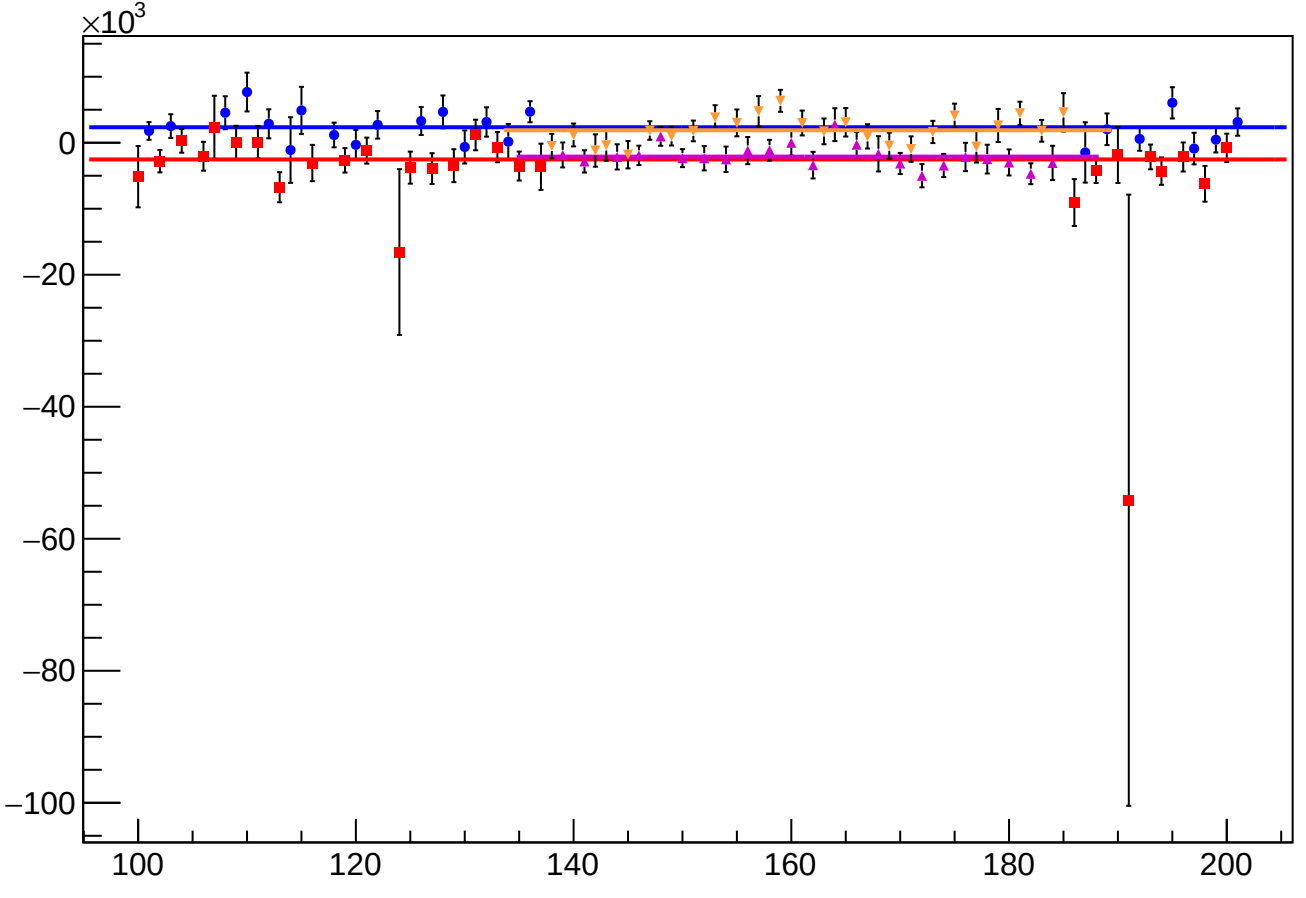
Right Out: 381.474+/-0.074 χ^2/NDF: 100416.0/26

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 378.443+/-0.047 χ^2/NDF: 4604.0/47

All: 378.608+/-0.034 χ^2/NDF: 108423.2/97

- sign 378.774+/-0.048 χ^2/NDF: 103794.9/49



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: -2532.137+/-455.370 χ^2/NDF: 24.2/27

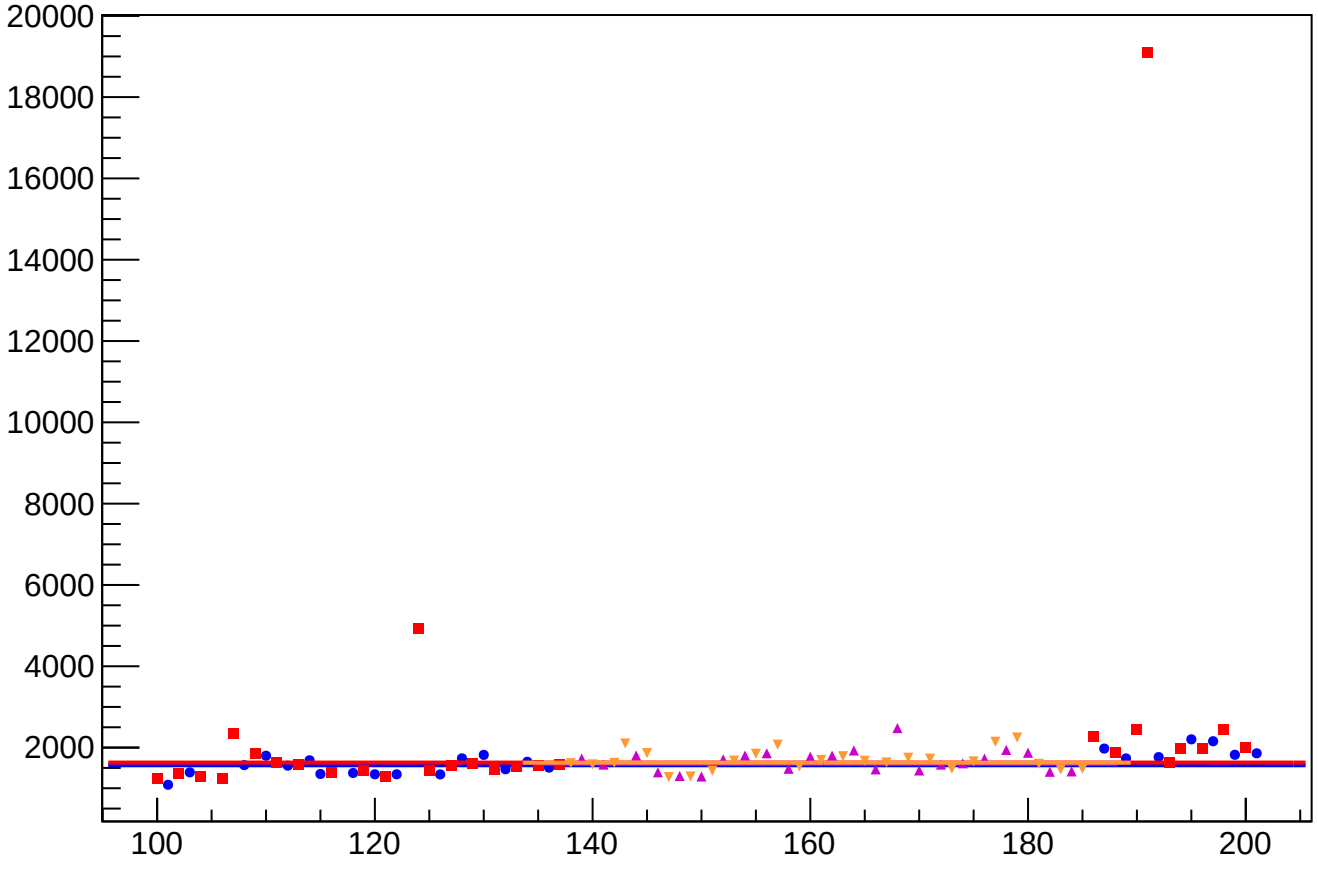
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2074.530+/-289.387 χ^2/NDF: 48.5/47

All: -88.212+/-205.310 χ^2/NDF: 204.3/98

- sign -2280.070+/-291.328 χ^2/NDF: 43.3/50

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: 1631.918+/-0.322 χ^2/NDF: 1335026.3/27

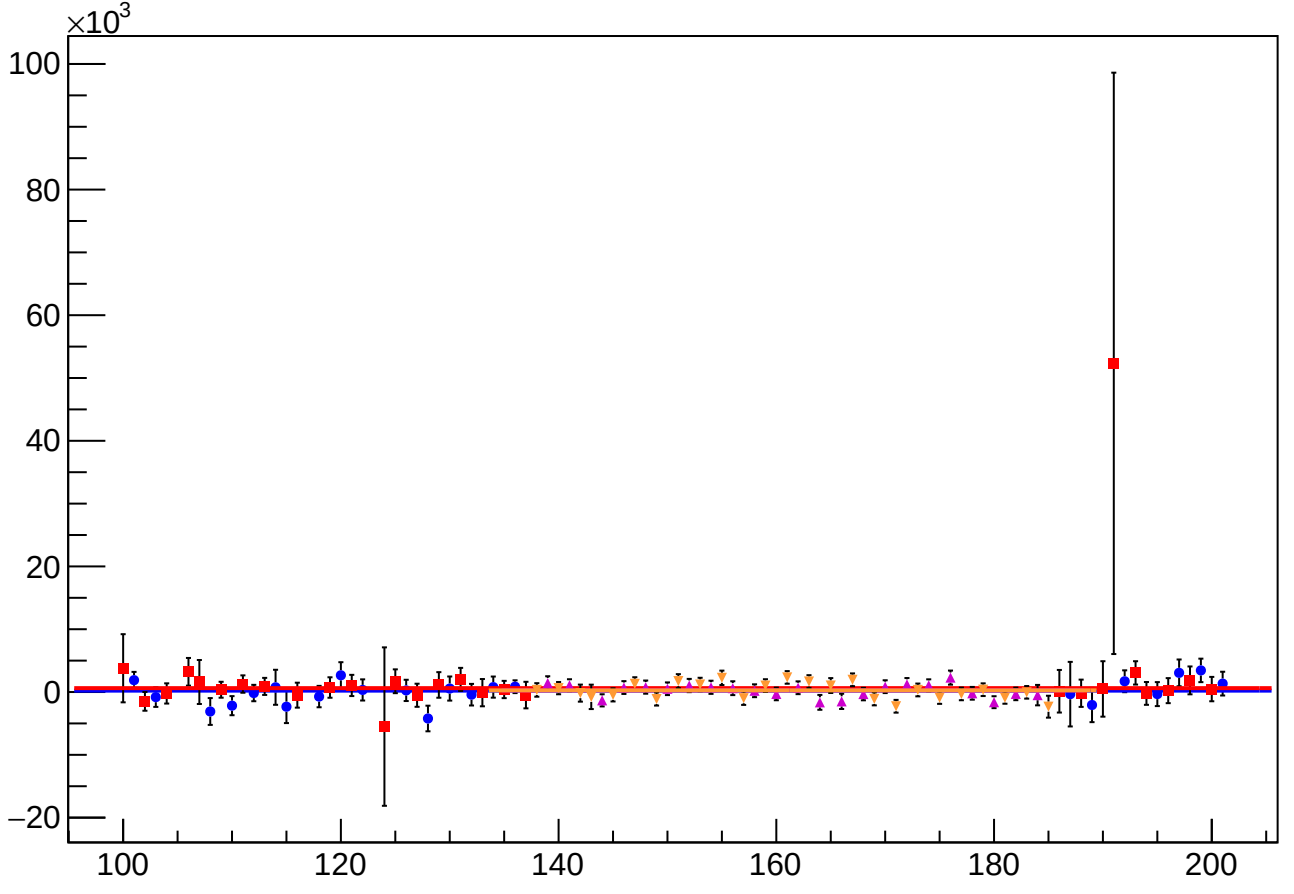
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1602.638+/-0.205 χ^2/NDF: 1616796.3/47

All: 1608.255+/-0.145 χ^2/NDF: 3752335.2/98

- sign 1613.948+/-0.206 χ^2/NDF: 2134021.7/50

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: 617.996+/-363.360 χ^2/NDF: 10.5/27

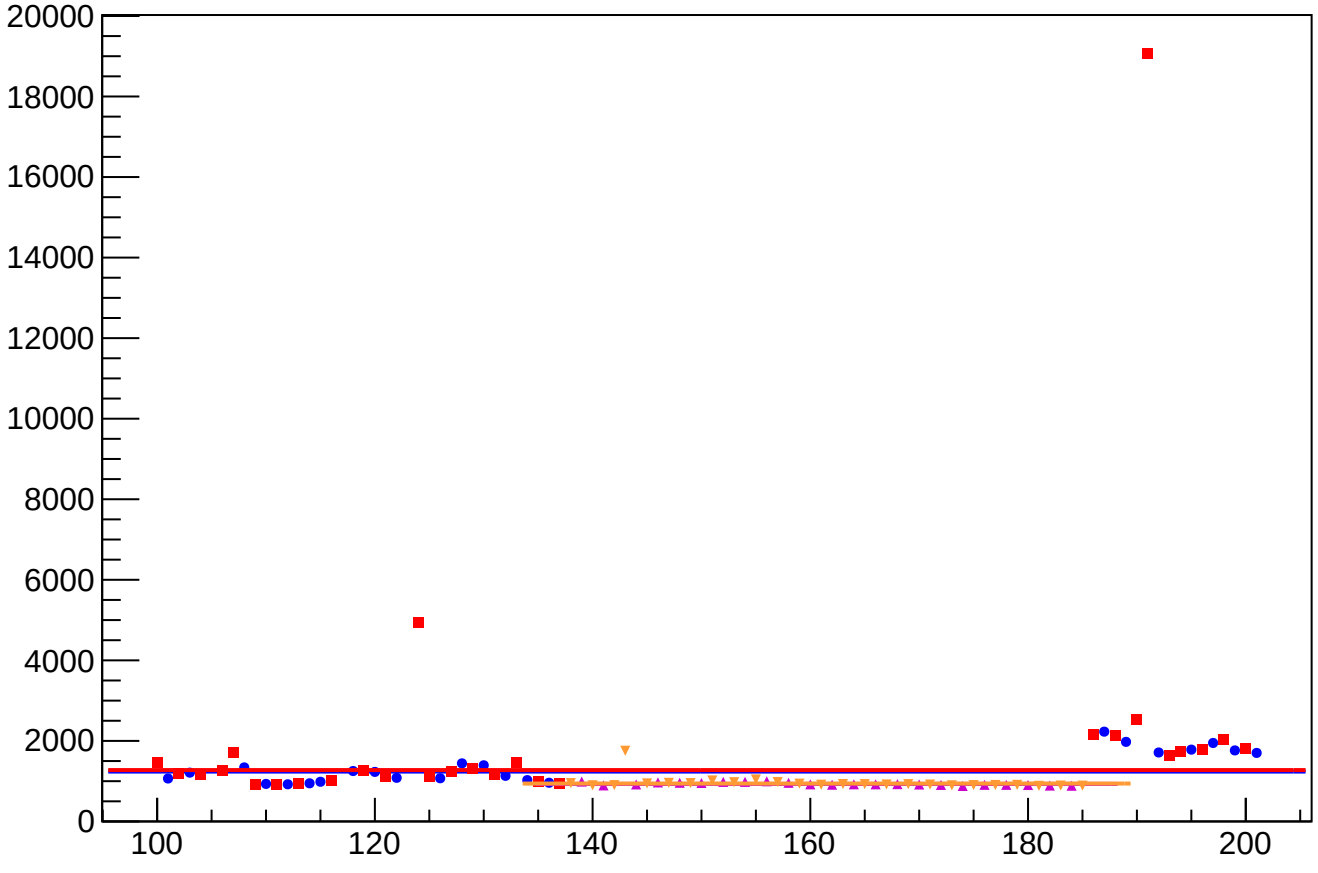
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 252.173+/-185.207 χ^2/NDF: 55.7/47

All: 305.517+/-131.499 χ^2/NDF: 88.3/98

- sign 359.747+/-186.738 χ^2/NDF: 32.5/50

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: 1275.808+/-0.257 χ^2/NDF: 2491531.8/27

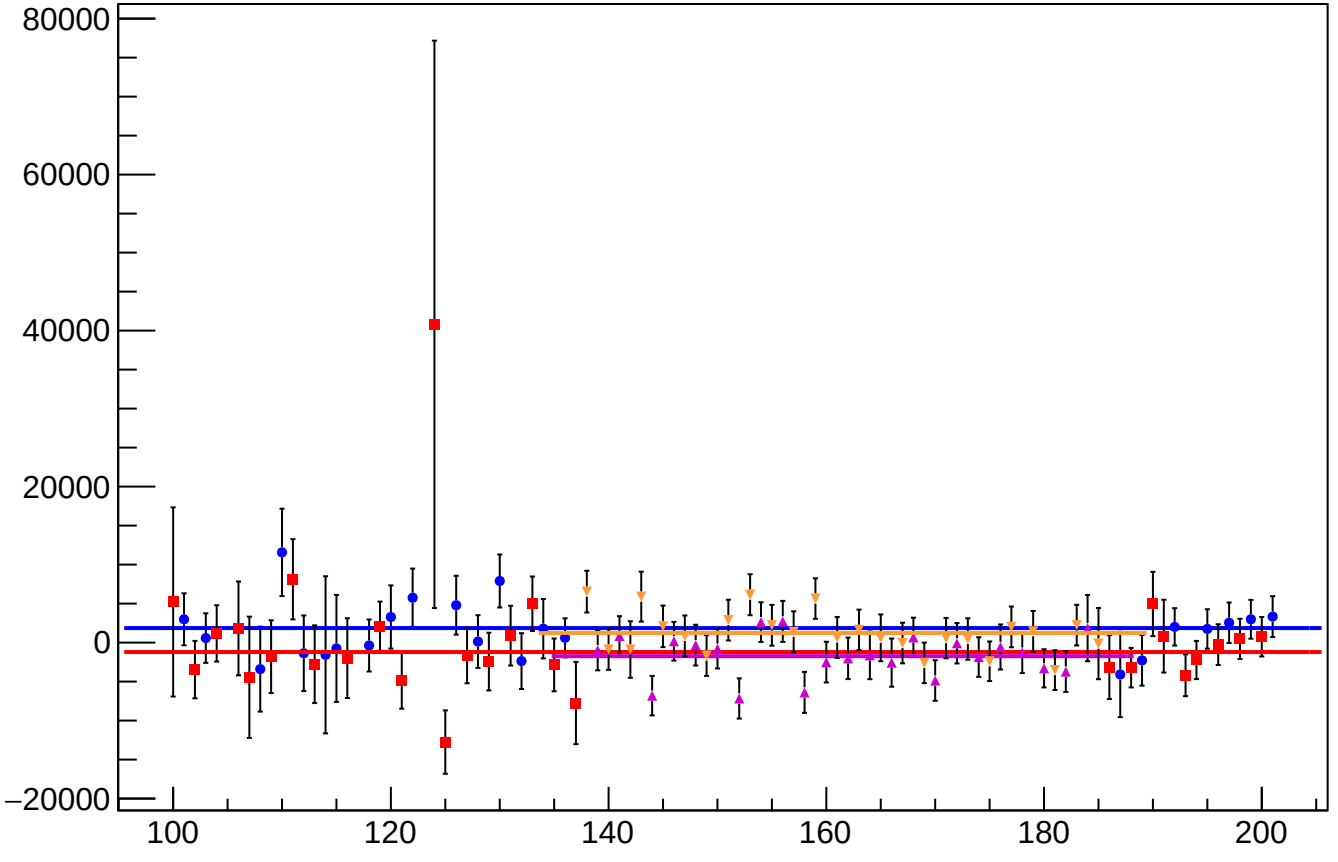
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

\+ sign 1017.711+/-0.131 χ^2/NDF: 2973428.1/47

All: 1020.077+/-0.093 χ^2/NDF: 6835537.0/98

\- sign 1022.483+/-0.132 χ^2/NDF: 3861450.5/50

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: -1210.970+/-688.271 χ^2/NDF: 27.7/27

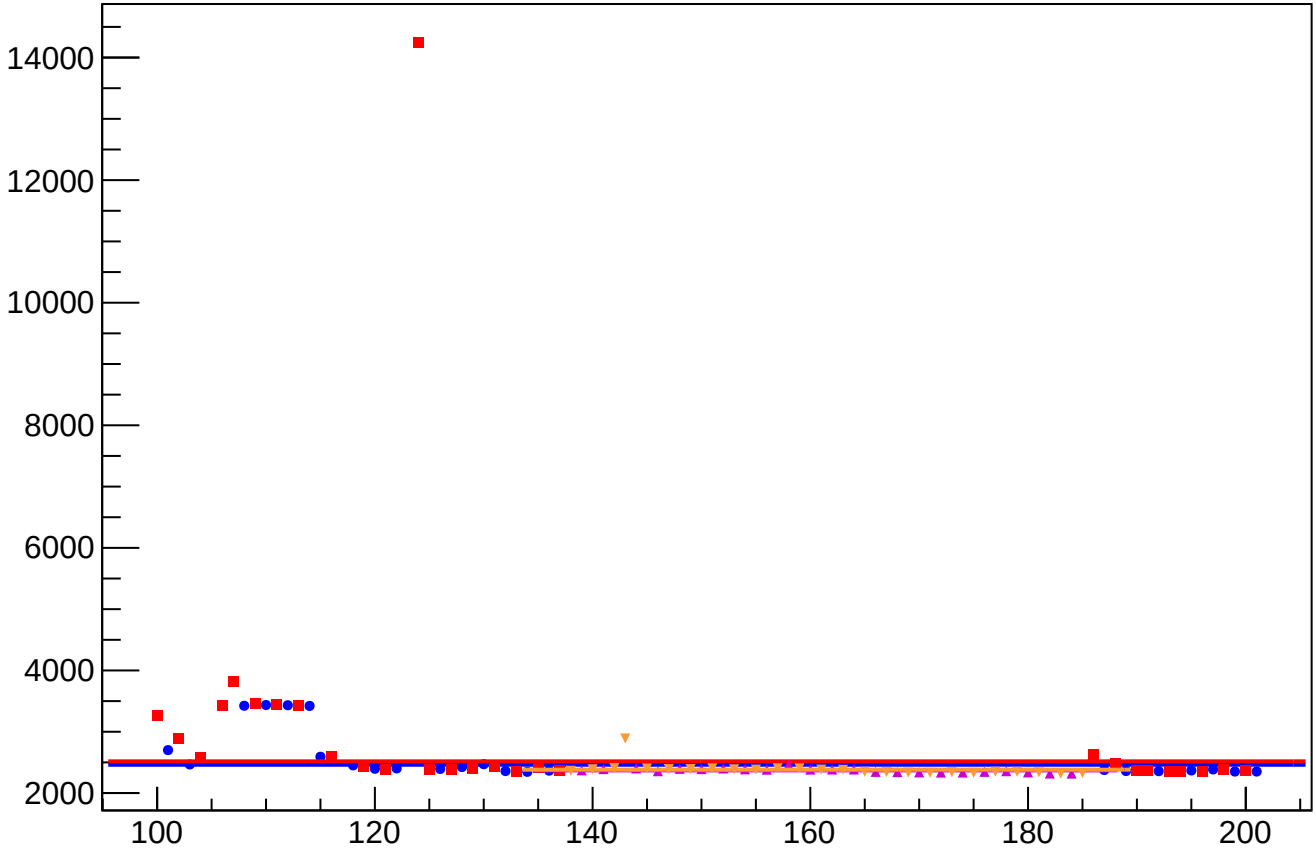
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1467.573+/-429.085 χ^2/NDF: 40.0/47

All: -25.493+/-304.158 χ^2/NDF: 116.8/98

- sign -1533.396+/-431.212 χ^2/NDF: 52.4/50

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: 2517.217+/-0.487 χ^2/NDF: 614599.6/27

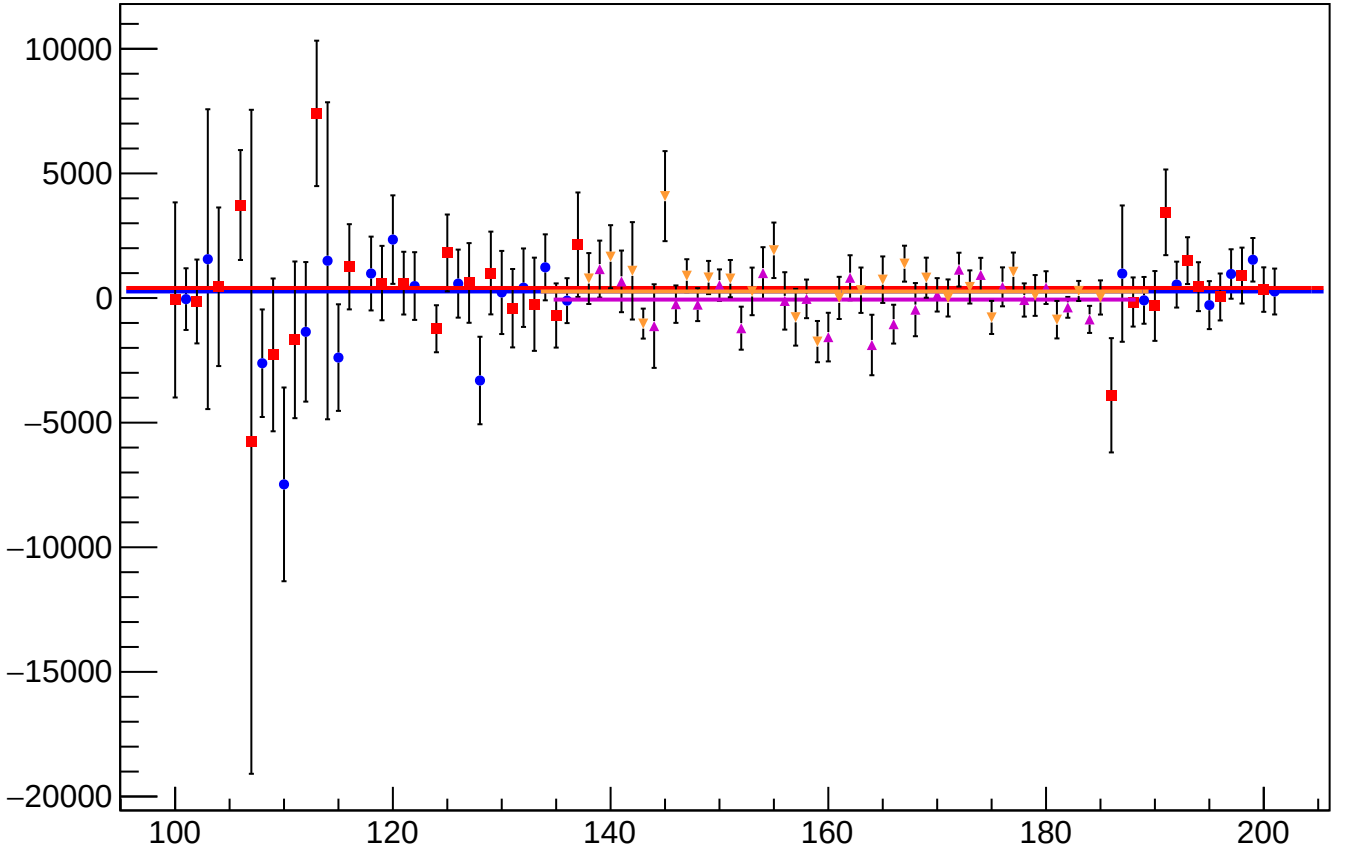
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2411.151+/-0.303 χ^2/NDF: 333140.6/47

All: 2419.241+/-0.215 χ^2/NDF: 1012254.0/98

- sign 2427.411+/-0.305 χ^2/NDF: 677684.5/50

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: 403.338+/-270.047 χ^2/NDF: 24.6/27

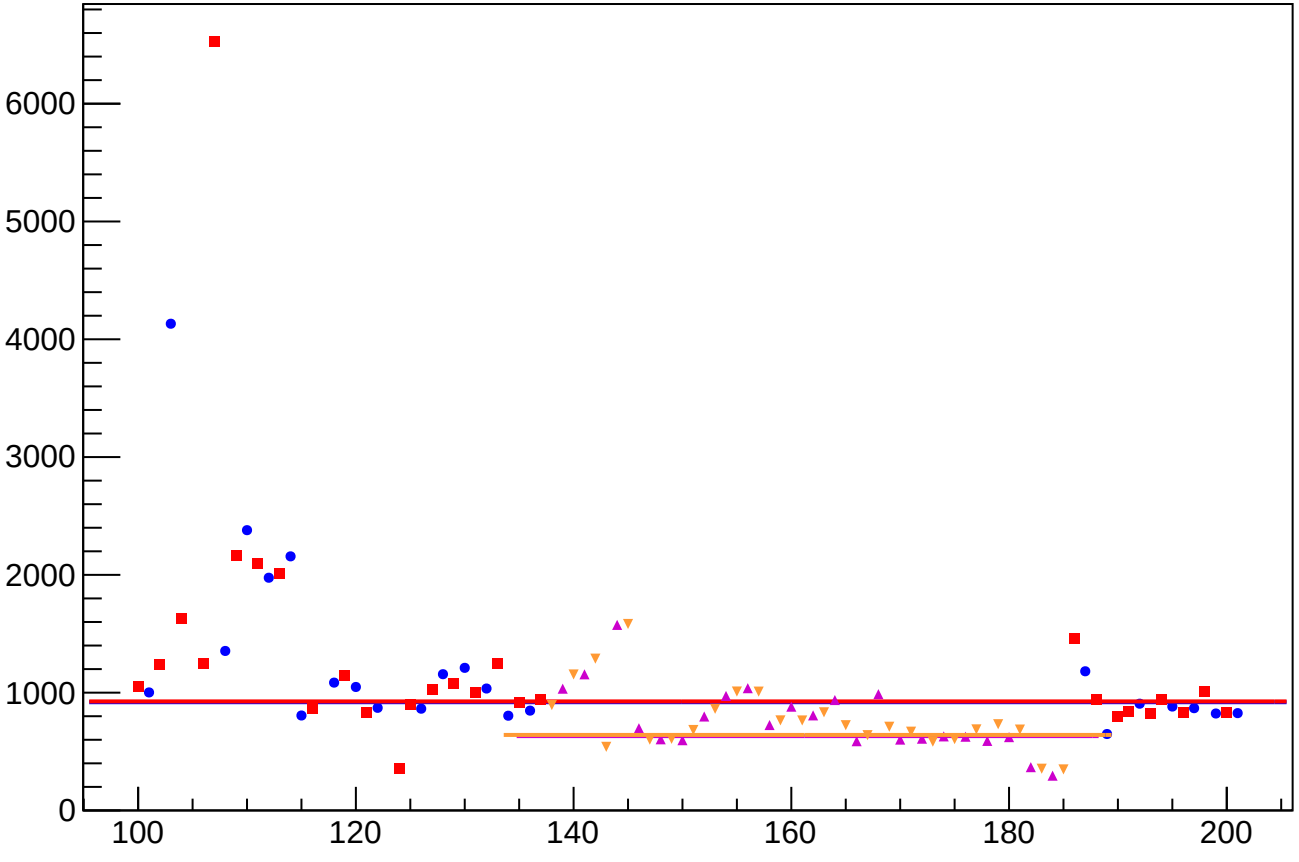
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 262.422+/-134.514 χ^2/NDF: 48.7/47

All: 160.343+/-95.631 χ^2/NDF: 98.7/98

- sign 56.023+/-135.983 χ^2/NDF: 48.8/50

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: 925.793+/-0.191 χ^2/NDF: 2537102.0/27

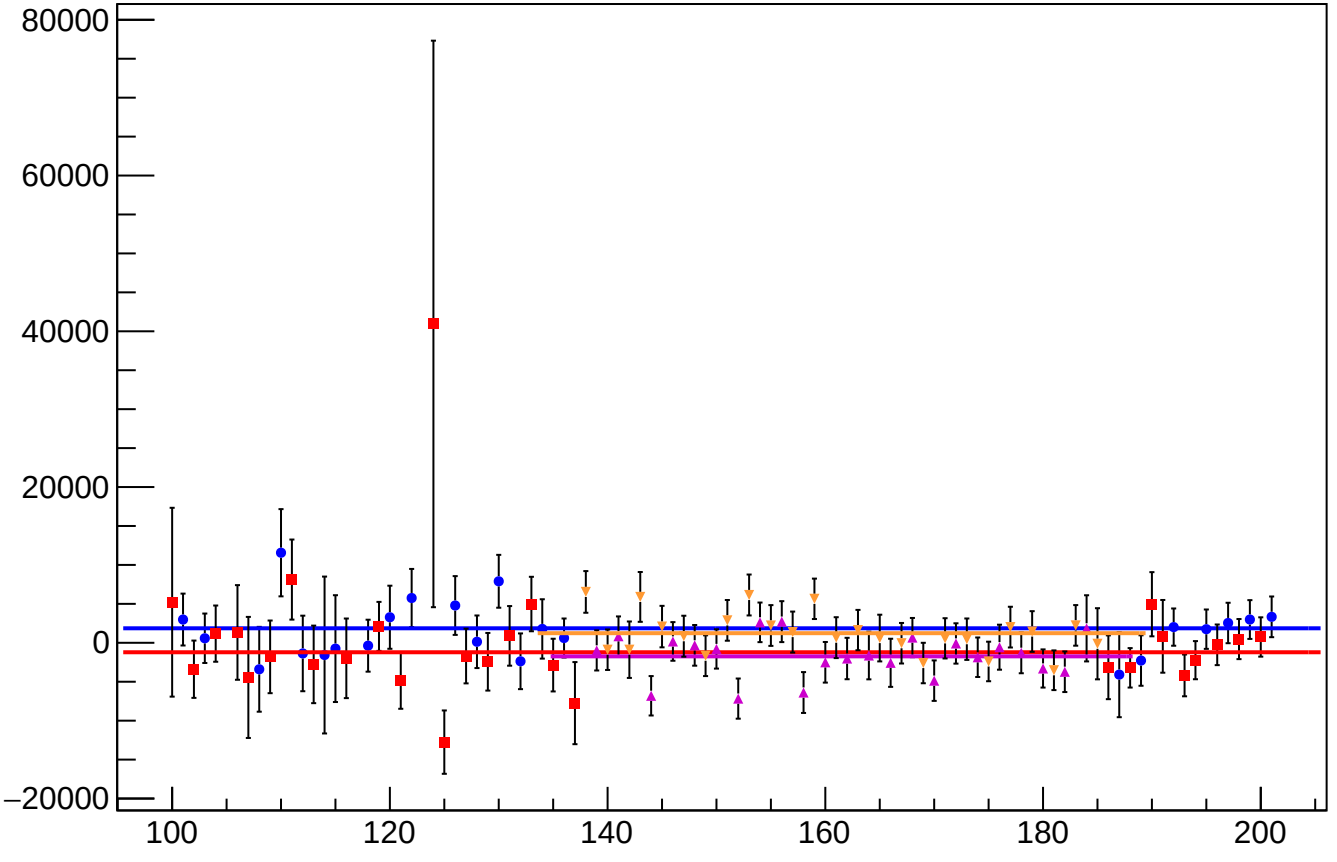
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 707.006+/-0.095 χ^2/NDF: 6741244.7/47

All: 706.458+/-0.068 χ^2/NDF: 15030463.0/98

- sign 705.897+/-0.096 χ^2/NDF: 8289151.0/50

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: -1215.674+/-688.374 χ^2/NDF: 27.6/27

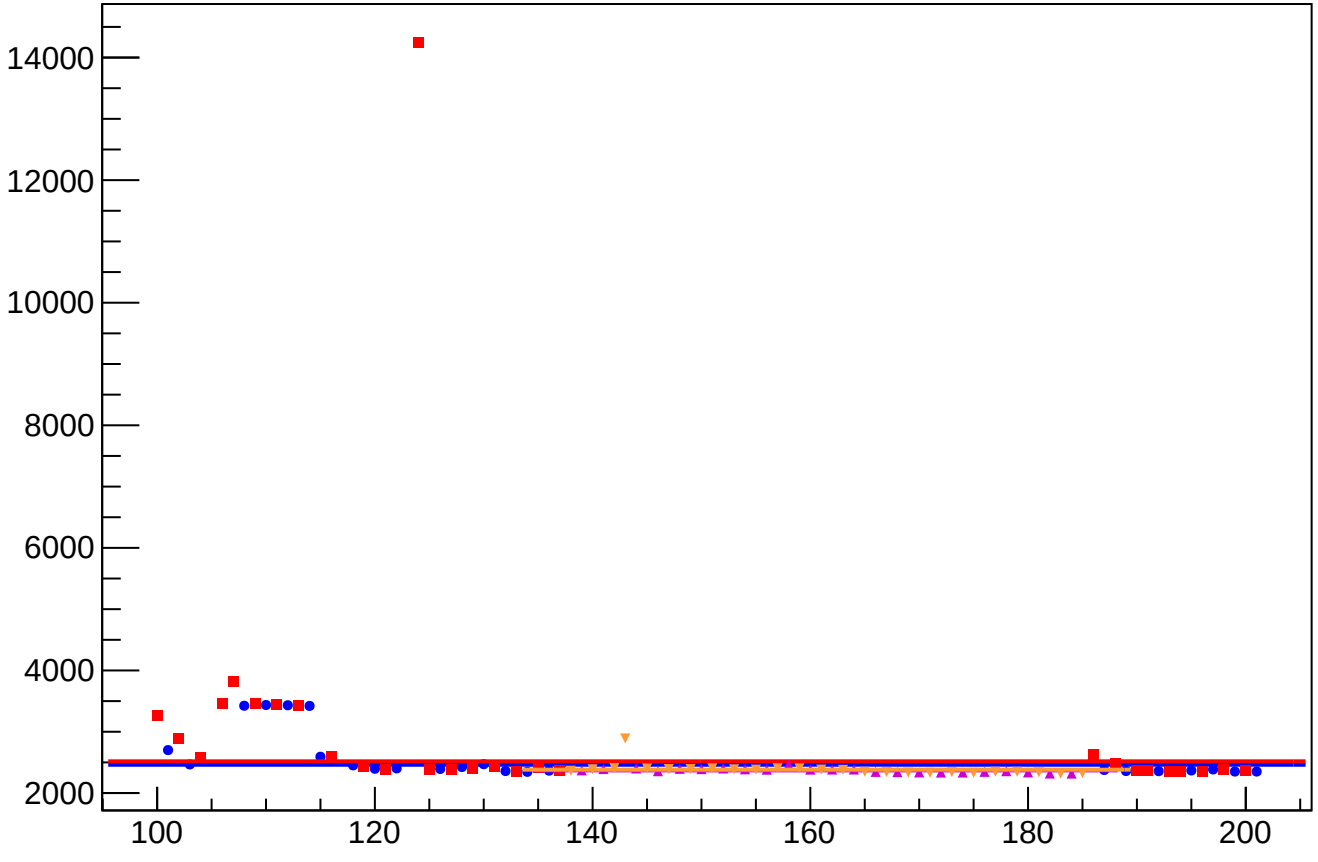
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1467.674+/-429.085 χ^2/NDF: 40.0/47

All: -26.308+/-304.167 χ^2/NDF: 116.7/98

- sign -1535.312+/-431.237 χ^2/NDF: 52.3/50

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: 2517.450+/-0.487 χ^2/NDF: 617455.2/27

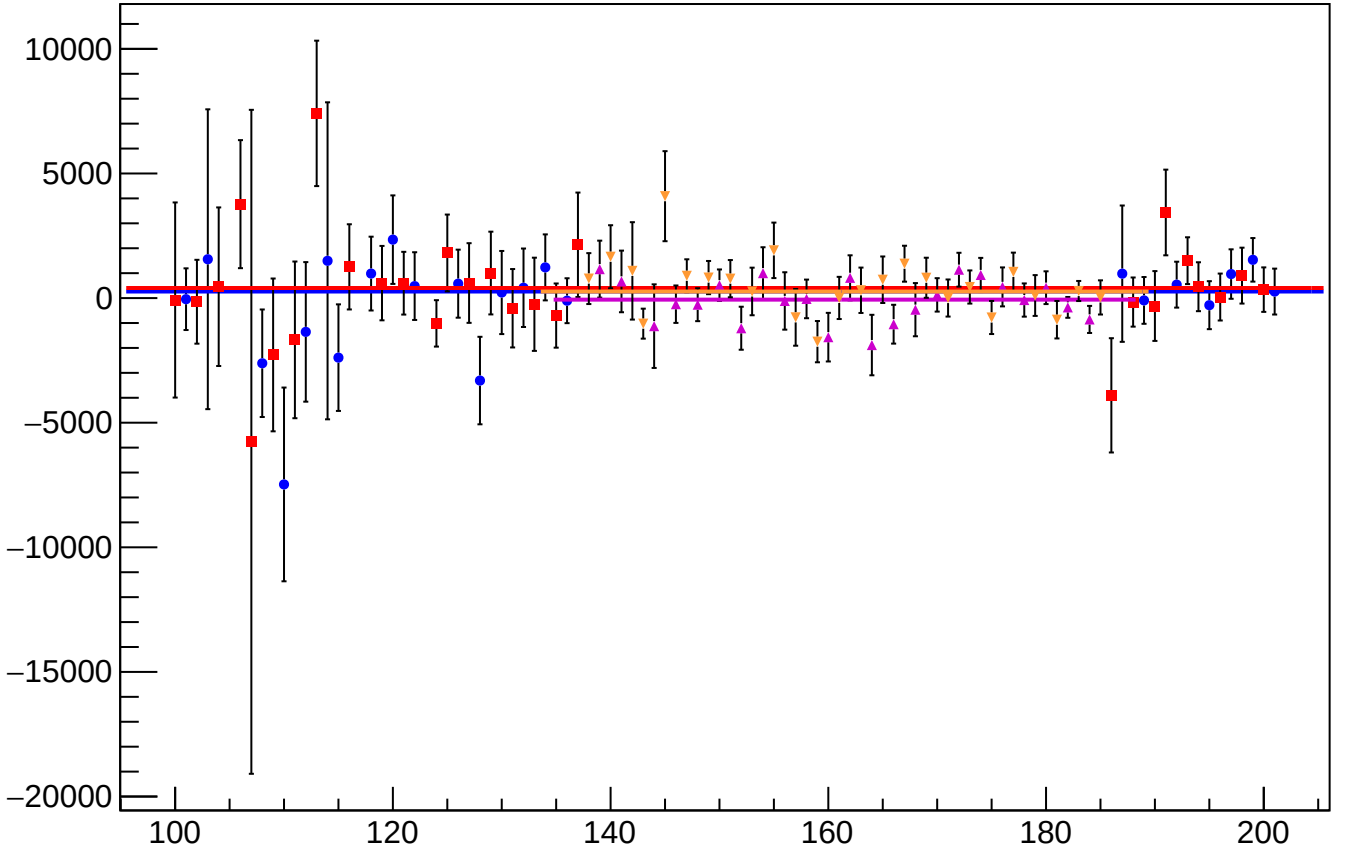
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2411.151+/-0.303 χ^2/NDF: 333140.6/47

All: 2419.281+/-0.215 χ^2/NDF: 1015290.5/98

- sign 2427.493+/-0.305 χ^2/NDF: 680706.8/50

asym_atl1_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: 404.899+/-270.288 χ^2/NDF: 23.4/27

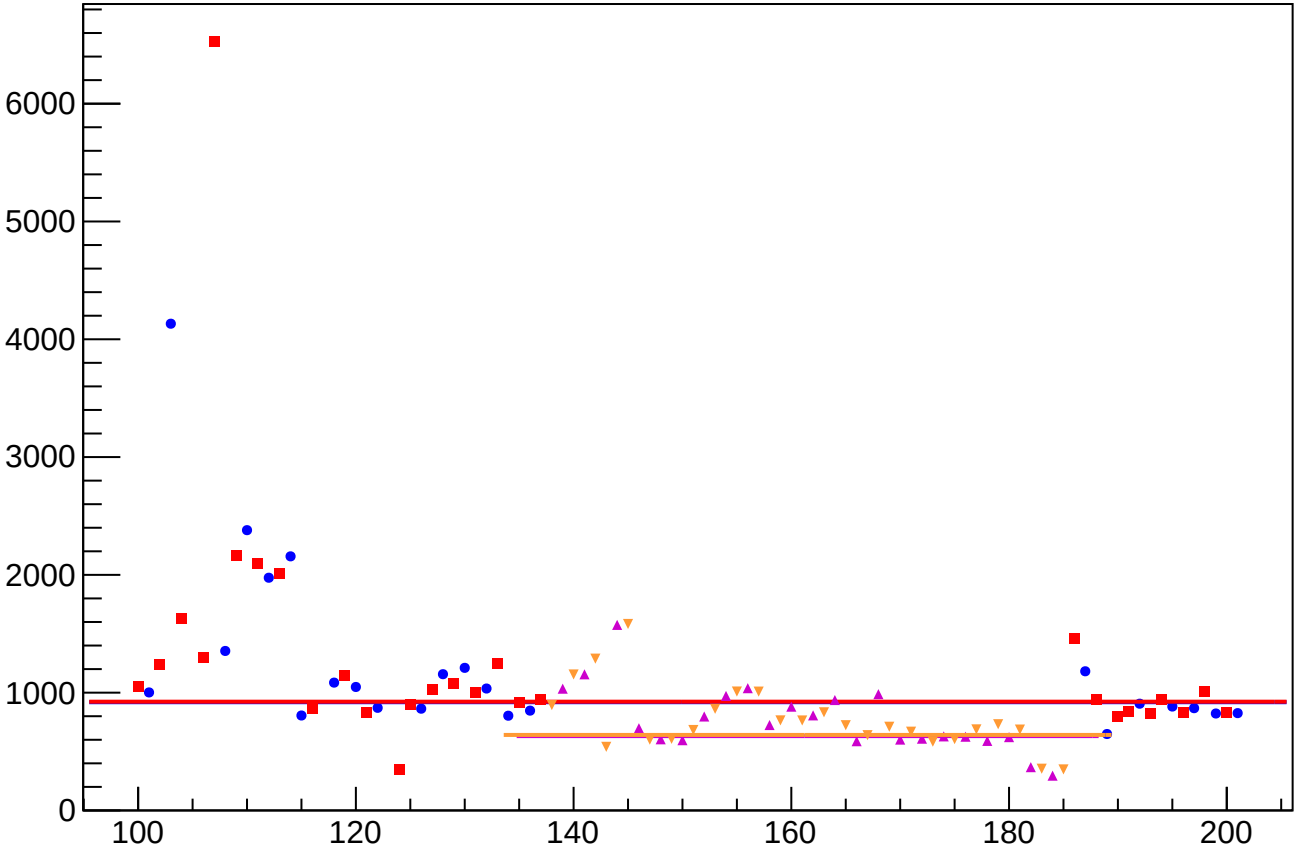
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 262.631+/-134.515 χ^2/NDF: 48.7/47

All: 160.582+/-95.642 χ^2/NDF: 97.4/98

- sign 56.249+/-136.013 χ^2/NDF: 47.6/50

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: 923.426+/-0.191 χ^2/NDF: 2567388.9/27

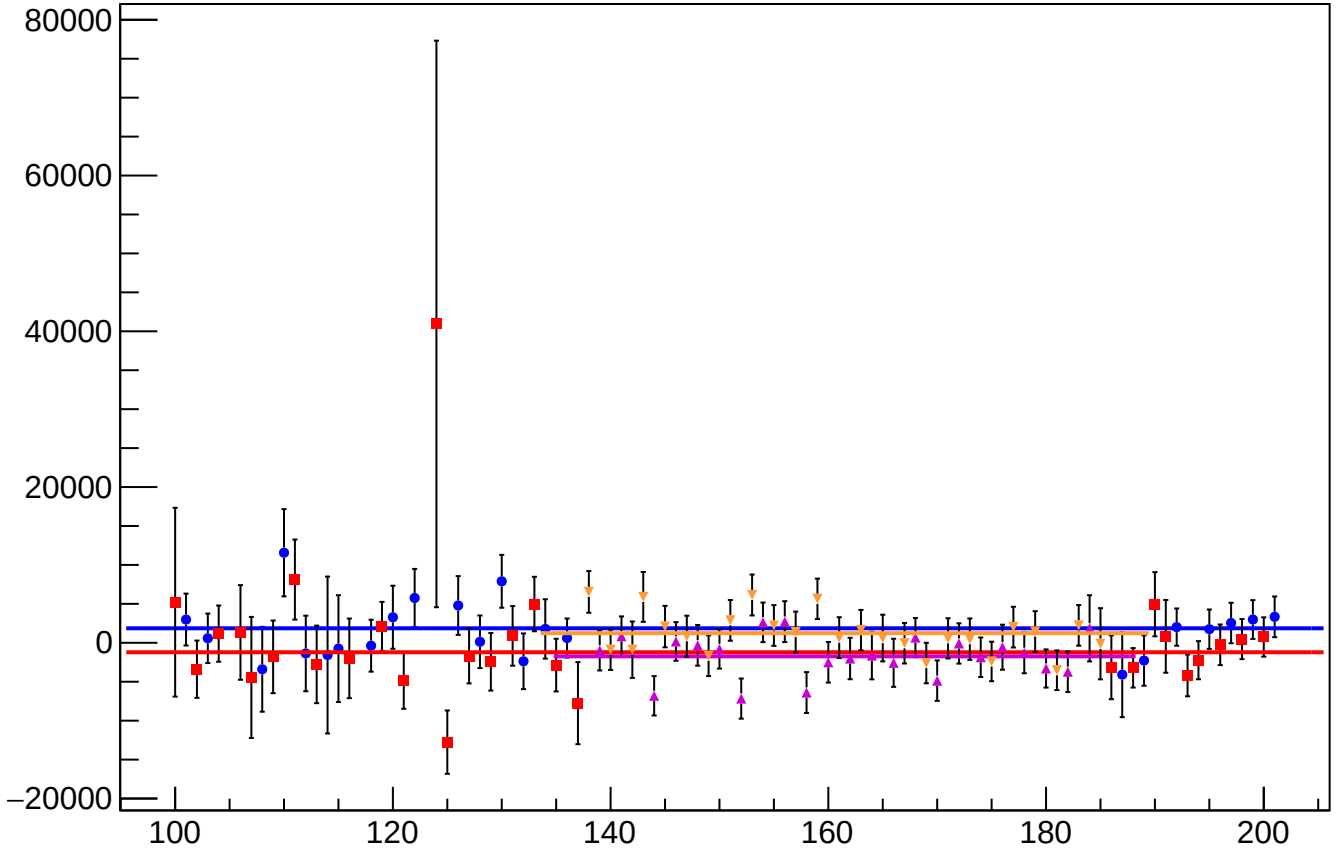
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 707.019+/-0.095 χ^2/NDF: 6740808.6/47

All: 706.118+/-0.068 χ^2/NDF: 15029823.1/98

- sign 705.196+/-0.096 χ^2/NDF: 8288833.0/50

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: -1215.674+/-688.374 χ^2/NDF: 27.6/27

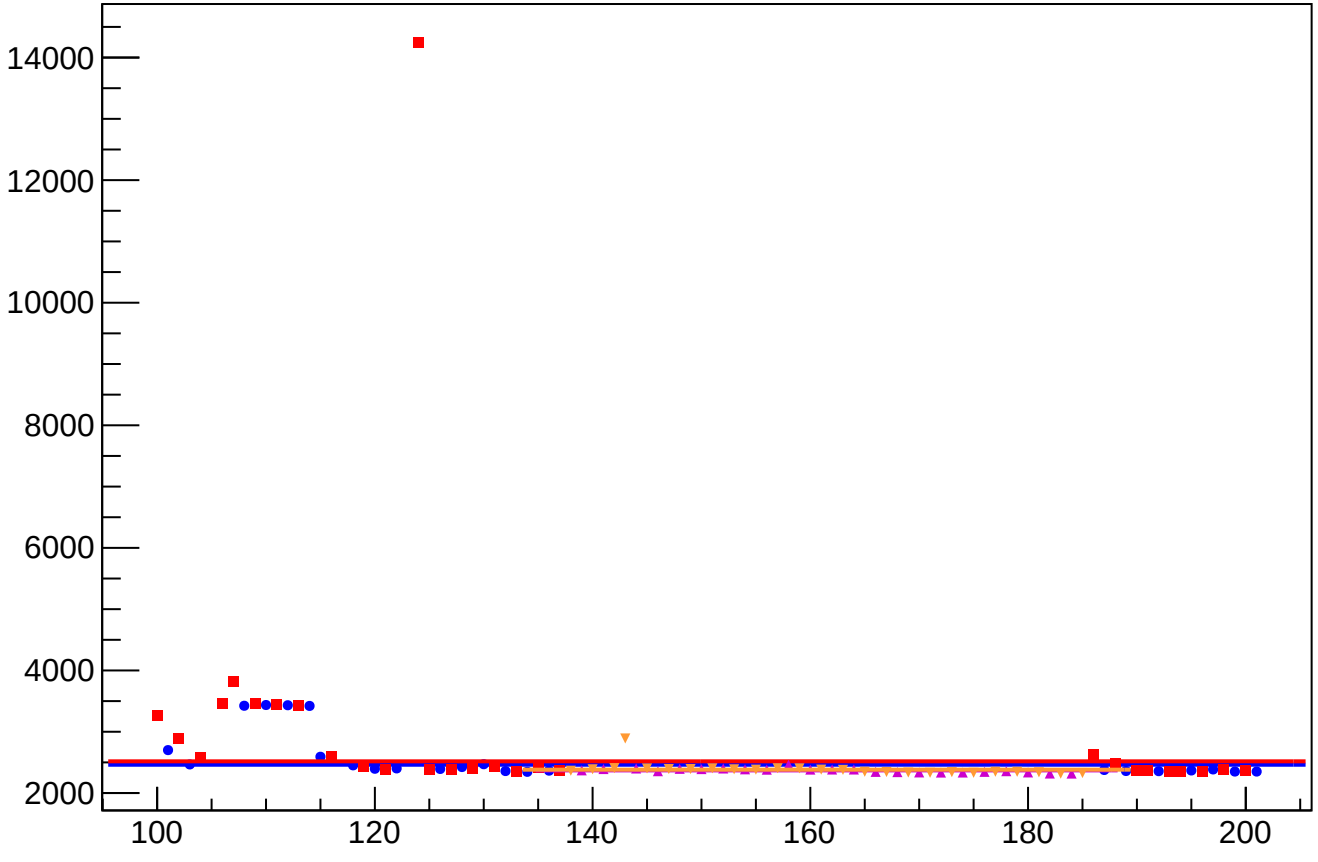
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1467.674+/-429.085 χ^2/NDF: 40.0/47

All: -26.308+/-304.167 χ^2/NDF: 116.7/98

- sign -1535.312+/-431.237 χ^2/NDF: 52.3/50

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: 2517.450+/-0.487 χ^2/NDF: 617455.2/27

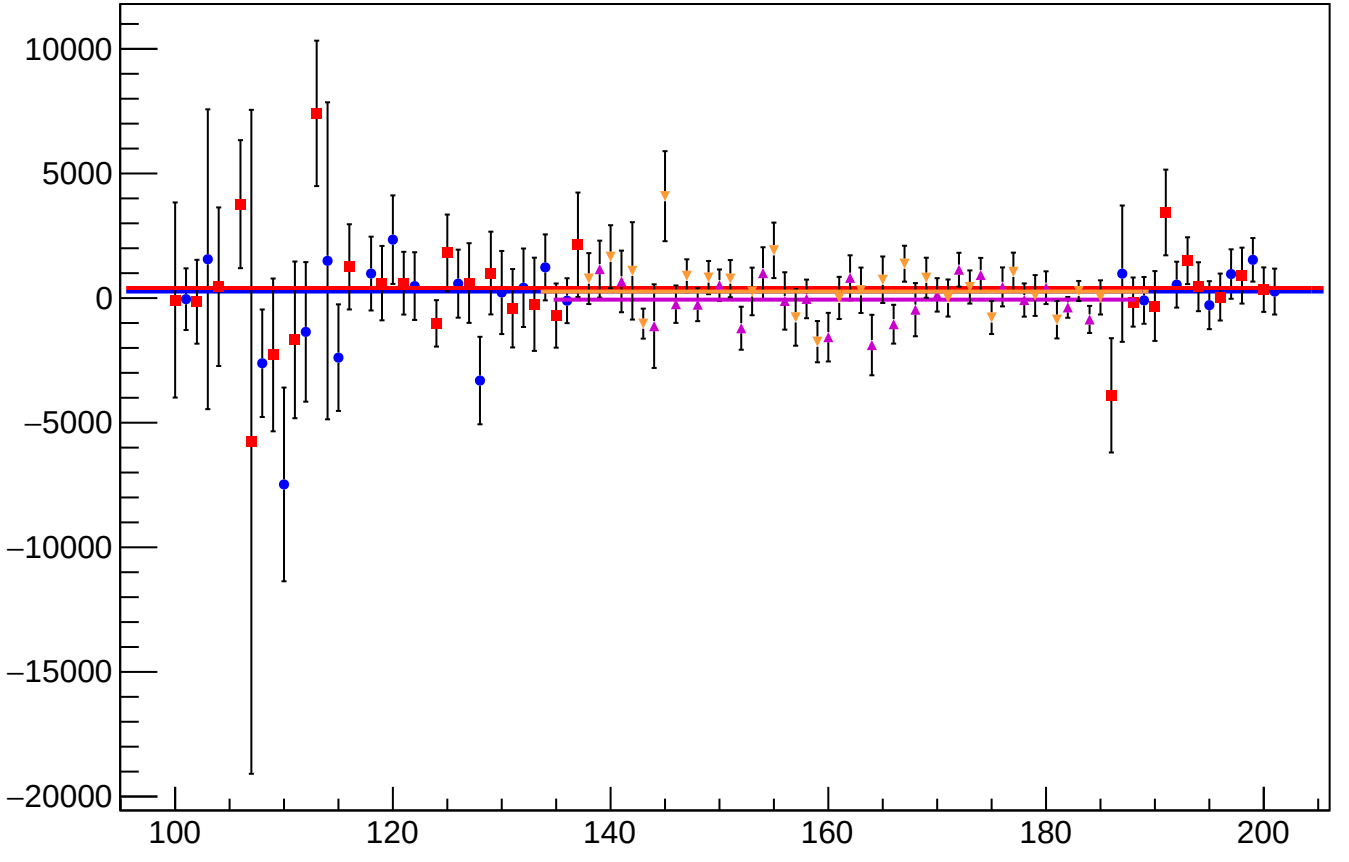
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2411.151+/-0.303 χ^2/NDF: 333140.6/47

All: 2419.281+/-0.215 χ^2/NDF: 1015290.5/98

- sign 2427.493+/-0.305 χ^2/NDF: 680706.8/50

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: 404.899+/-270.288 χ^2/NDF: 23.4/27

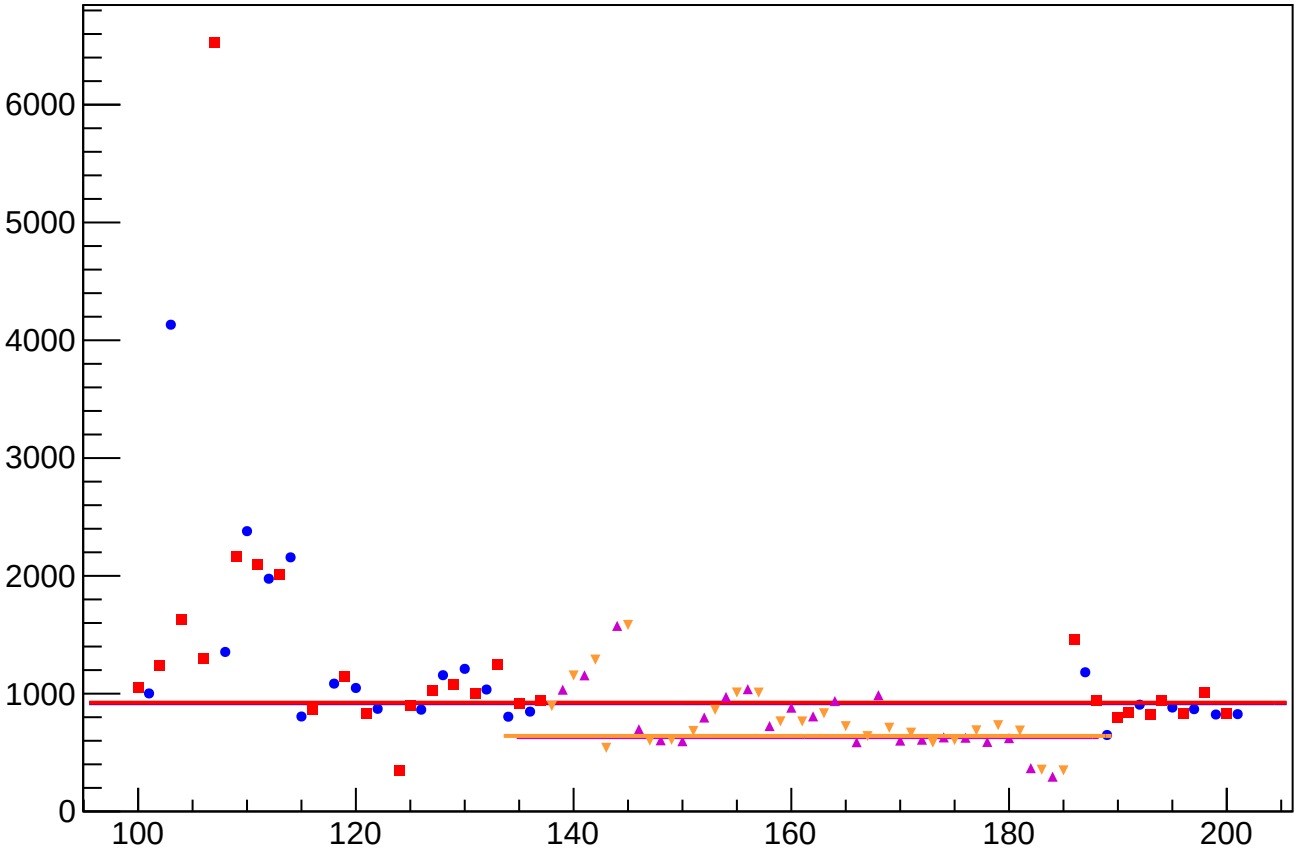
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 262.631+/-134.515 χ^2/NDF: 48.7/47

All: 160.582+/-95.642 χ^2/NDF: 97.4/98

- sign 56.249+/-136.013 χ^2/NDF: 47.6/50

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: 923.426+/-0.191 χ^2/NDF: 2567388.9/27

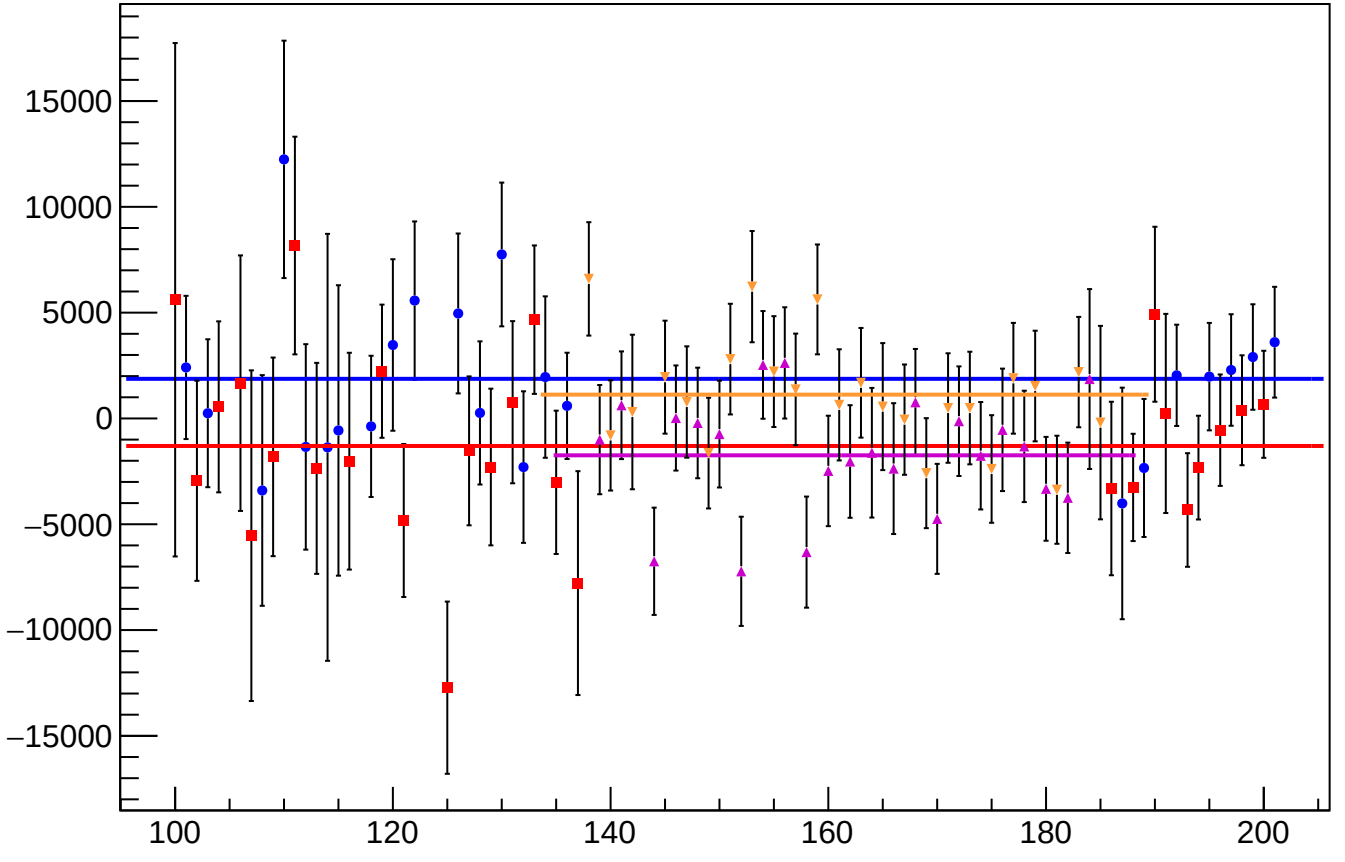
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 707.019+/-0.095 χ^2/NDF: 6740808.6/47

All: 706.118+/-0.068 χ^2/NDF: 15029823.1/98

- sign 705.196+/-0.096 χ^2/NDF: 8288833.0/50

dit_asym_atl1_mean vs Slug



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: -1300.668+/-697.608 χ^2/NDF: 25.5/26

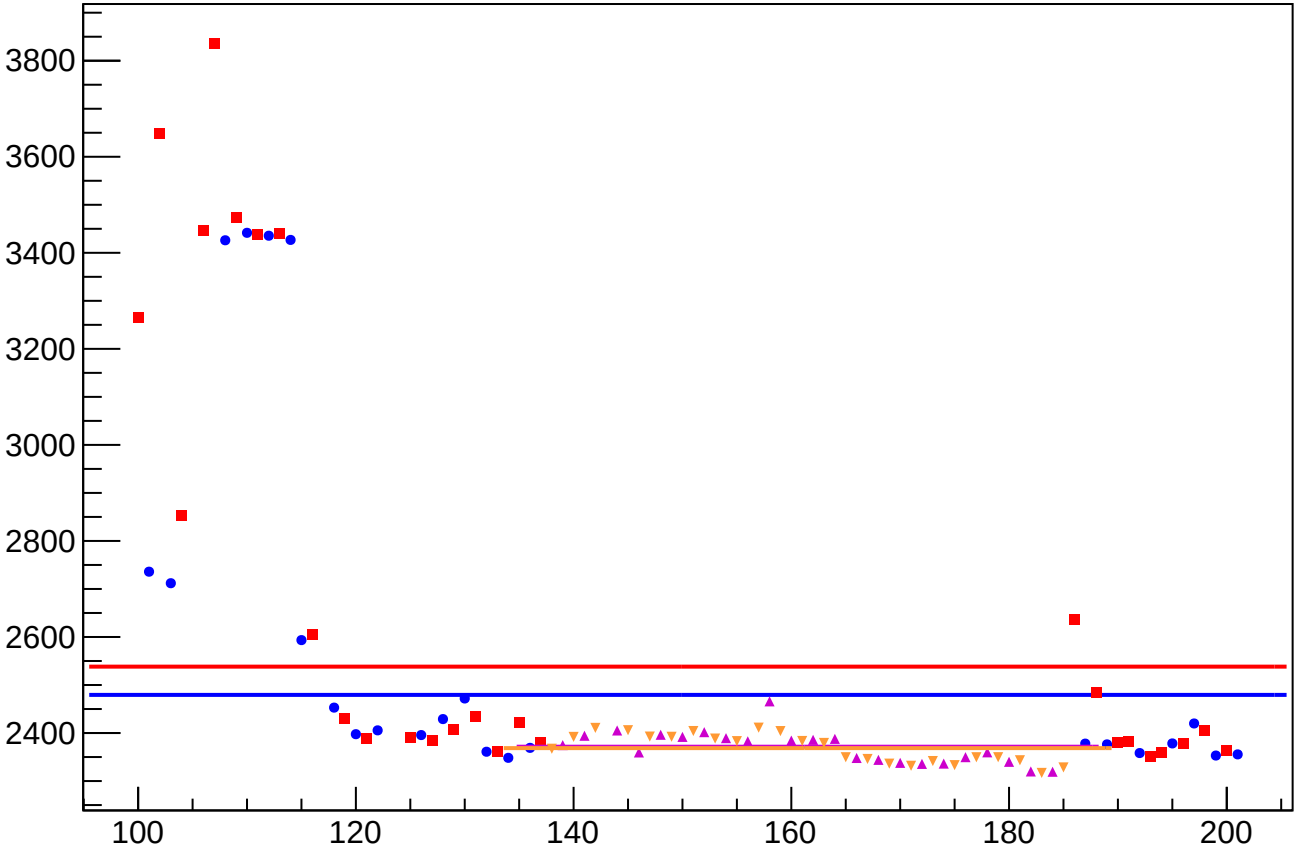
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1405.867+/-434.550 χ^2/NDF: 37.7/46

All: -85.709+/-306.980 χ^2/NDF: 110.8/96

- sign -1571.593+/-433.720 χ^2/NDF: 49.5/49

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

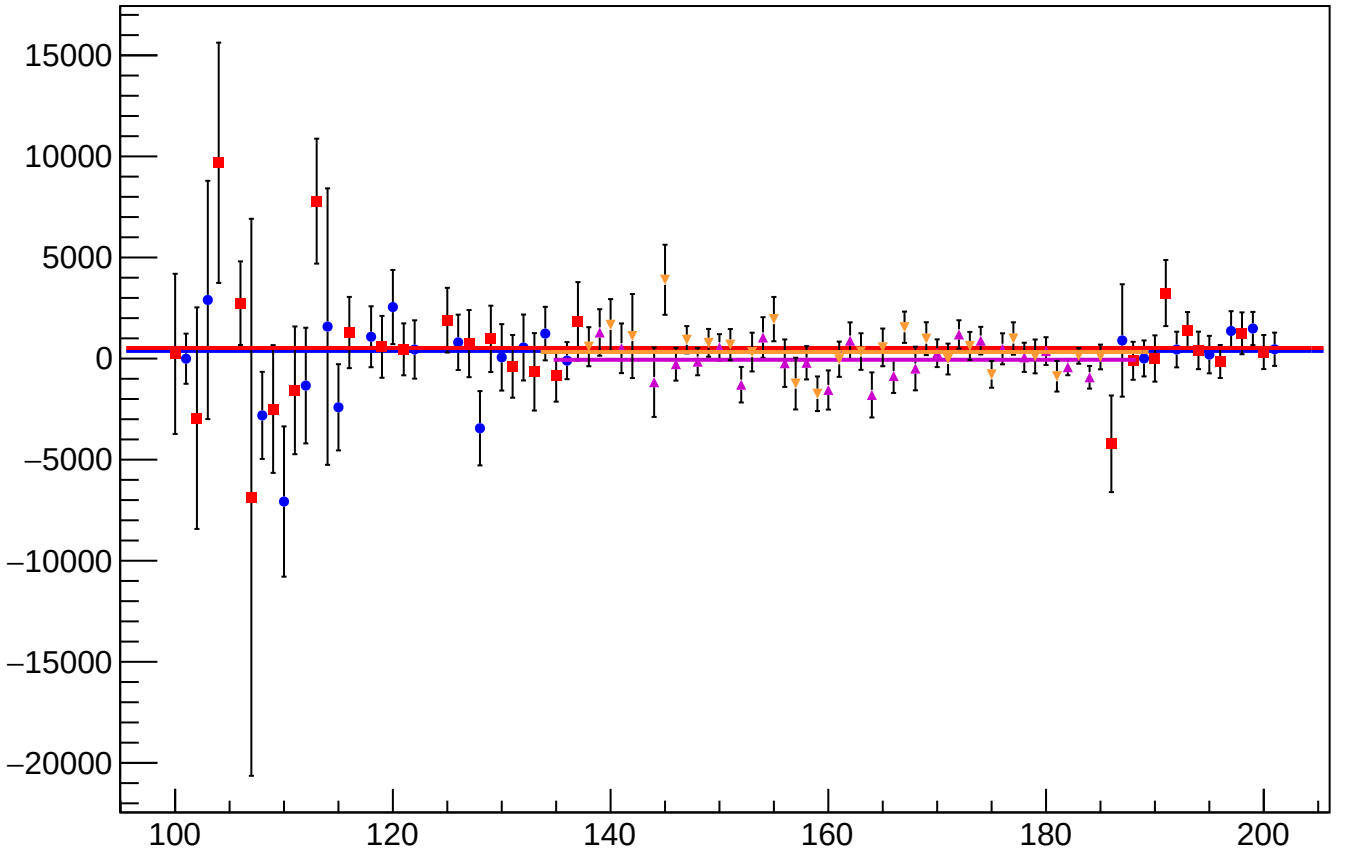
Right Out: 2538.258+/-0.493 χ^2/NDF: 511709.9/26

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

\+ sign 2410.176+/-0.307 χ^2/NDF: 304564.7/46

All: 2423.098+/-0.217 χ^2/NDF: 896950.8/96

\- sign 2435.970+/-0.307 χ^2/NDF: 588856.0/49



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: 524.956+/-273.684 χ^2/NDF: 23.9/26

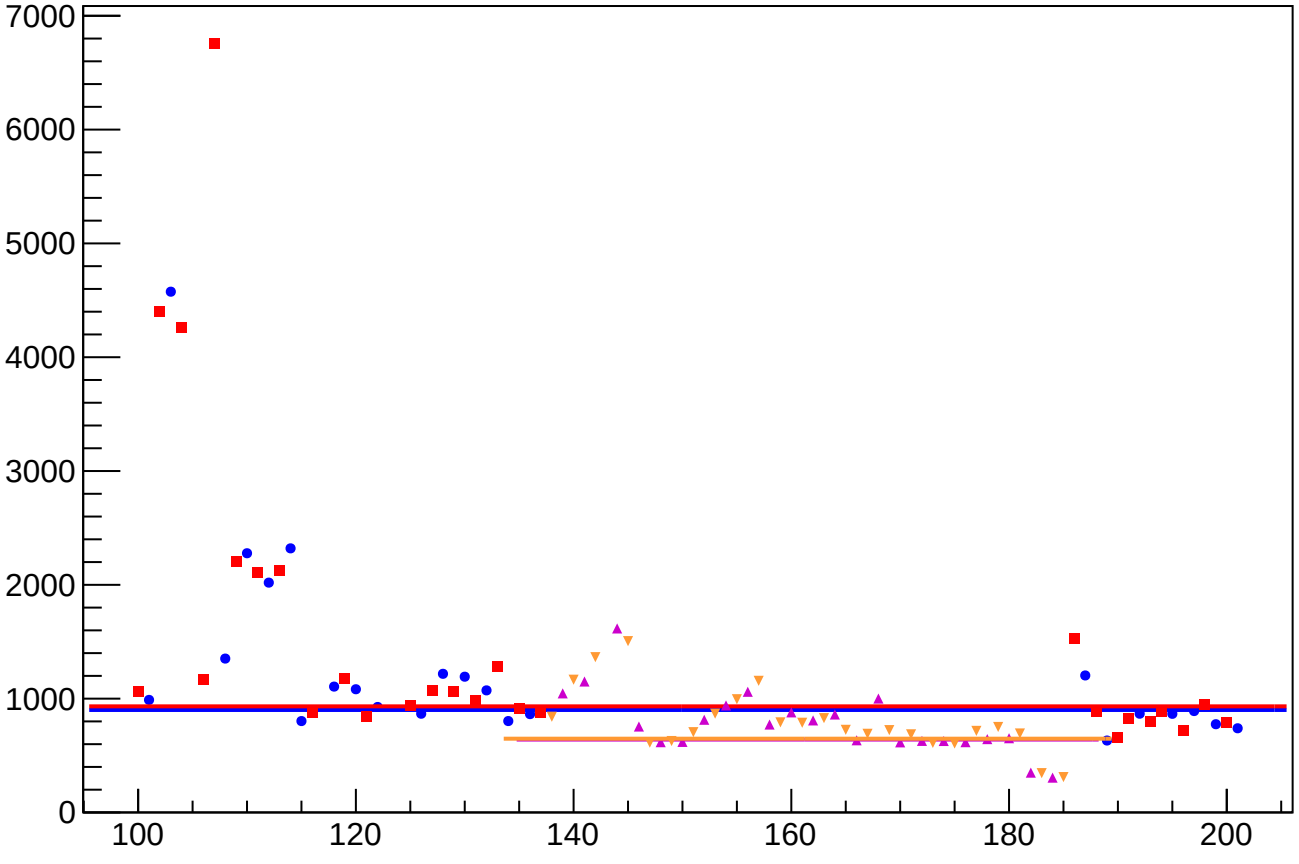
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 339.795+/-137.663 χ^2/NDF: 45.3/46

All: 214.539+/-97.431 χ^2/NDF: 97.0/96

- sign 88.825+/-137.915 χ^2/NDF: 50.0/49

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: 932.271+/-0.194 χ^2/NDF: 3365156.2/26

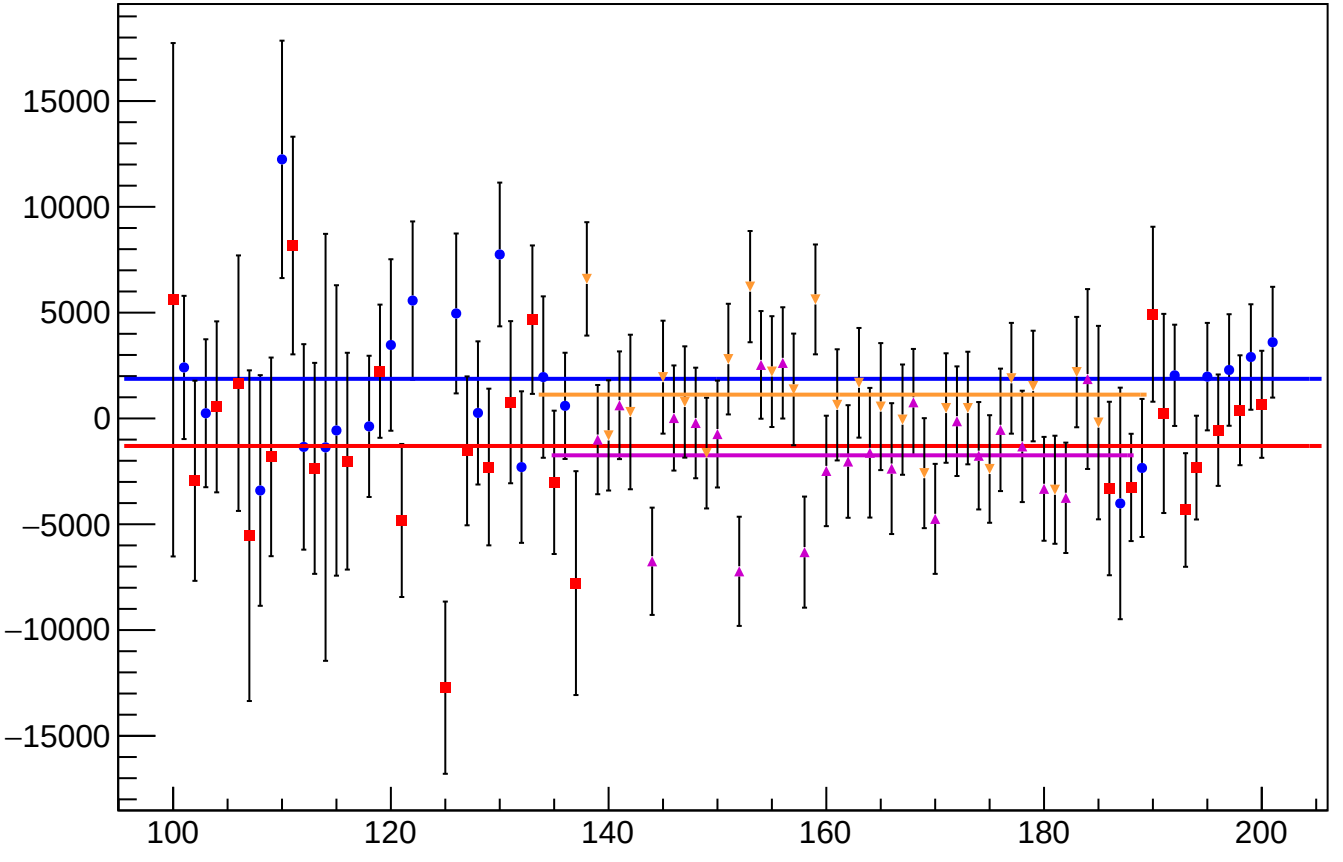
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 713.750+/-0.097 χ^2/NDF: 7279794.7/46

All: 714.140+/-0.069 χ^2/NDF: 16470516.5/96

- sign 714.532+/-0.098 χ^2/NDF: 9190689.5/49

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: -1300.666+/-697.608 χ^2/NDF: 25.5/26

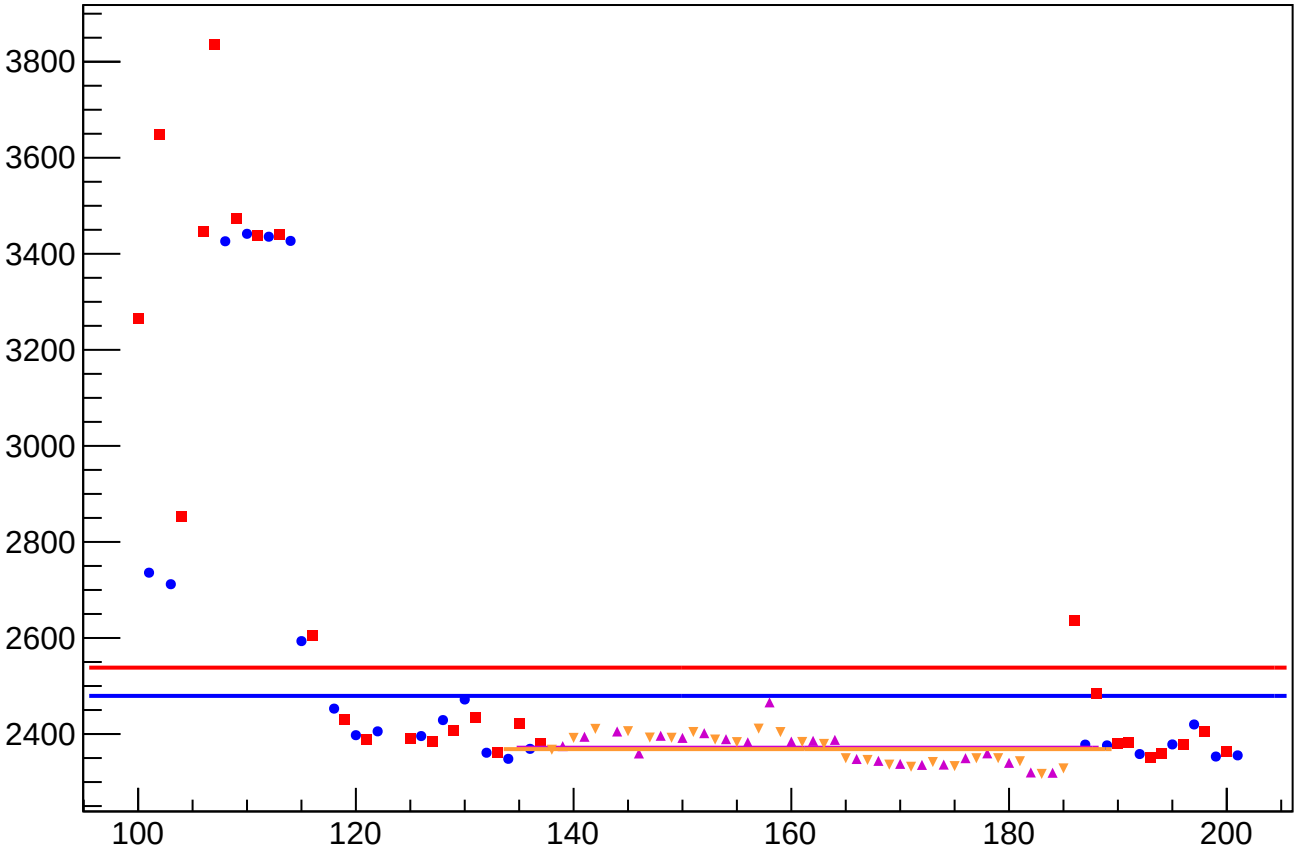
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1405.867+/-434.550 χ^2/NDF: 37.7/46

All: -85.709+/-306.980 χ^2/NDF: 110.8/96

- sign -1571.593+/-433.720 χ^2/NDF: 49.5/49

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: 2538.258+/-0.493 χ^2/NDF: 511709.0/26

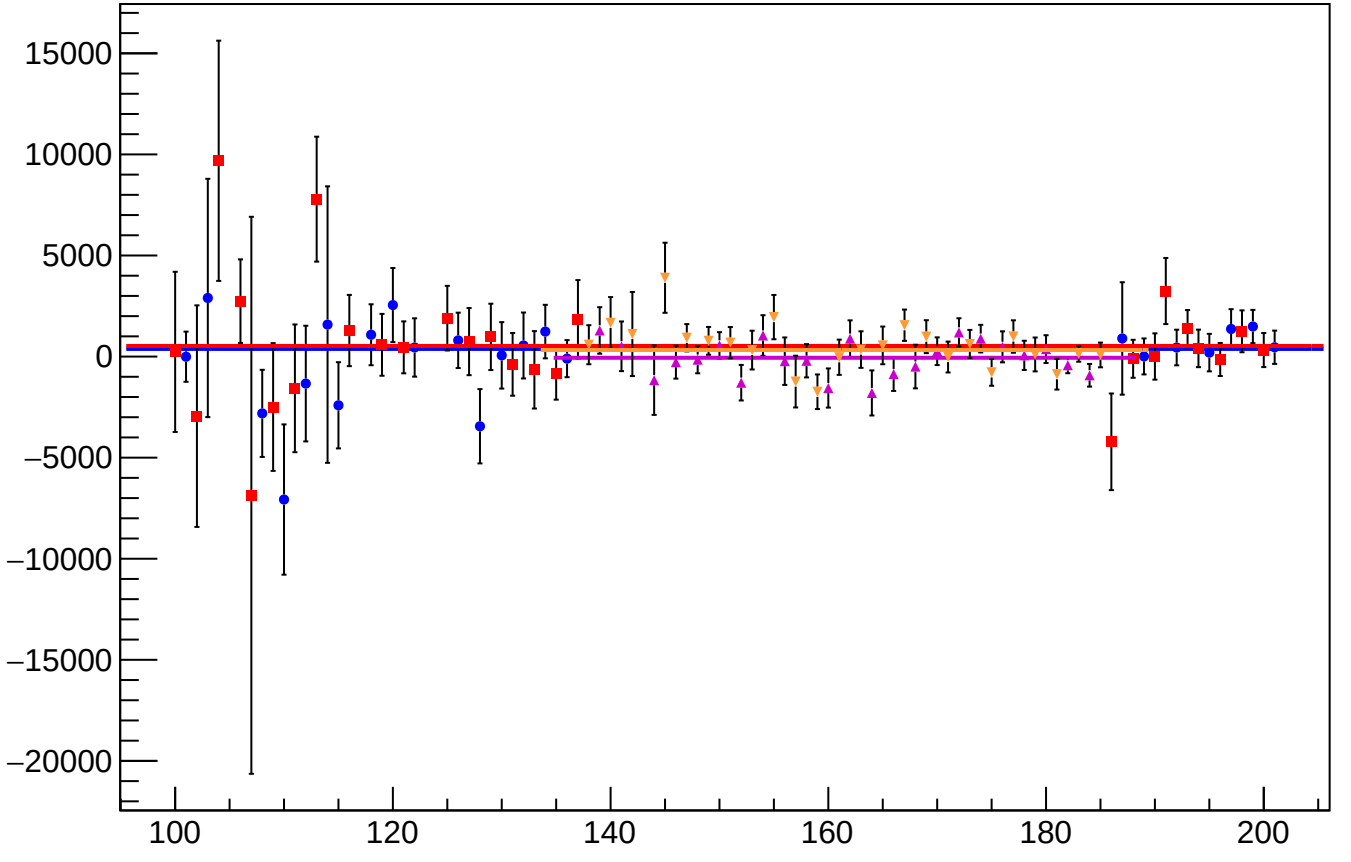
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2410.176+/-0.307 χ^2/NDF: 304564.2/46

All: 2423.098+/-0.217 χ^2/NDF: 896949.4/96

- sign 2435.970+/-0.307 χ^2/NDF: 588855.0/49

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: 524.956+/-273.684 χ^2/NDF: 23.9/26

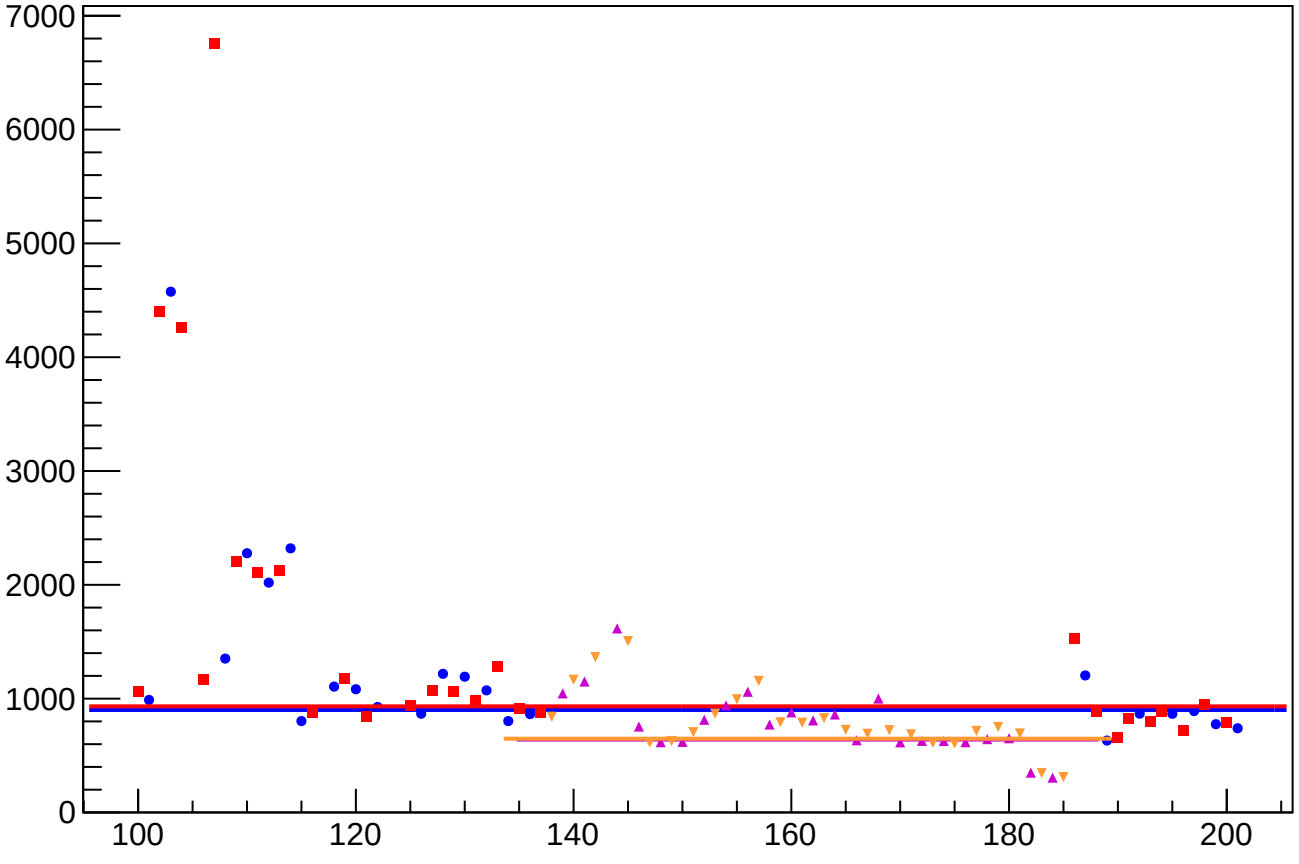
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

\+ sign 339.795+/-137.663 χ^2/NDF: 45.3/46

All: 214.539+/-97.431 χ^2/NDF: 97.0/96

\- sign 88.825+/-137.915 χ^2/NDF: 50.0/49

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: 932.270+/-0.194 χ^2/NDF: 3365154.2/26

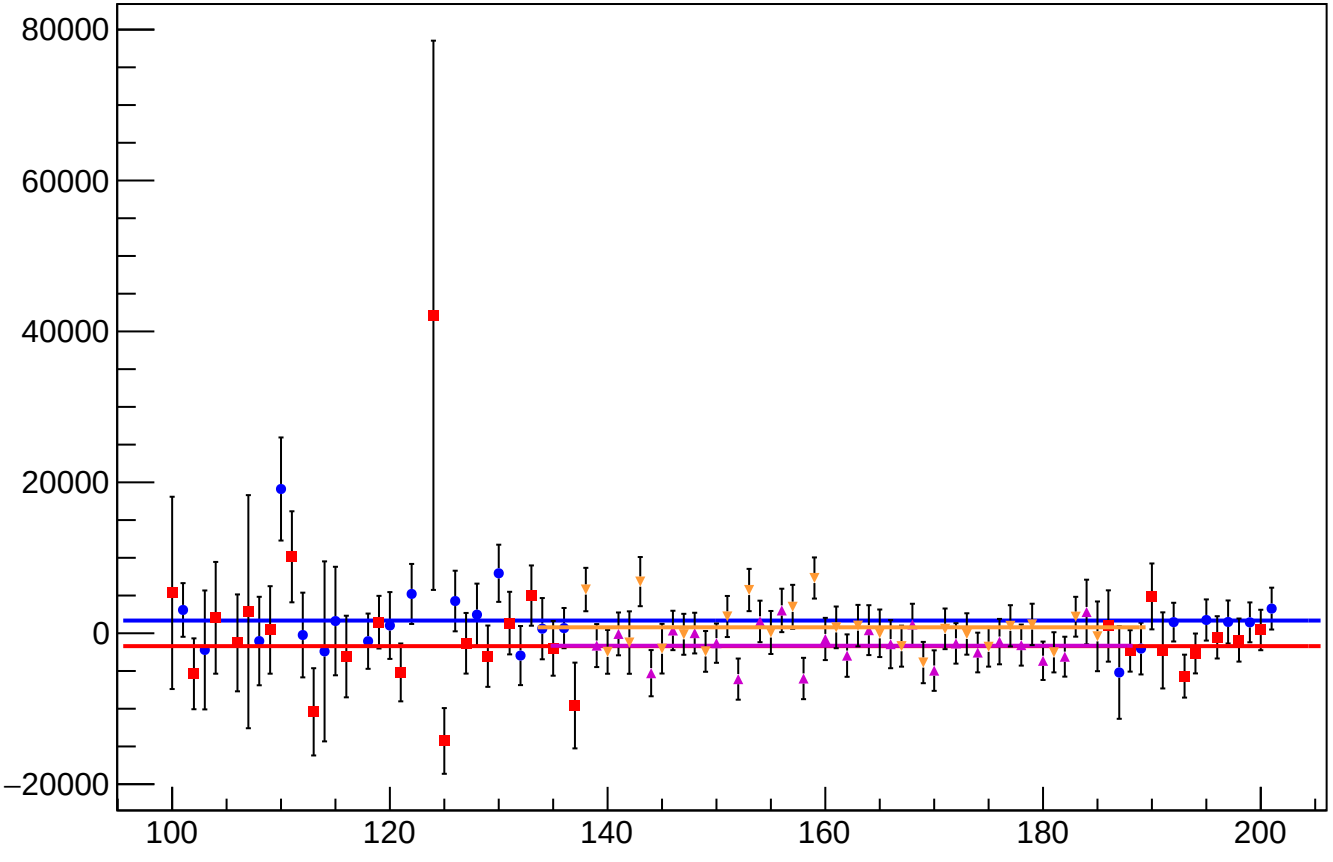
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 713.751+/-0.097 χ^2/NDF: 7279790.8/46

All: 714.141+/-0.069 χ^2/NDF: 16470512.7/96

- sign 714.533+/-0.098 χ^2/NDF: 9190689.7/49

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: -1705.844+/-767.170 χ^2/NDF: 30.1/27

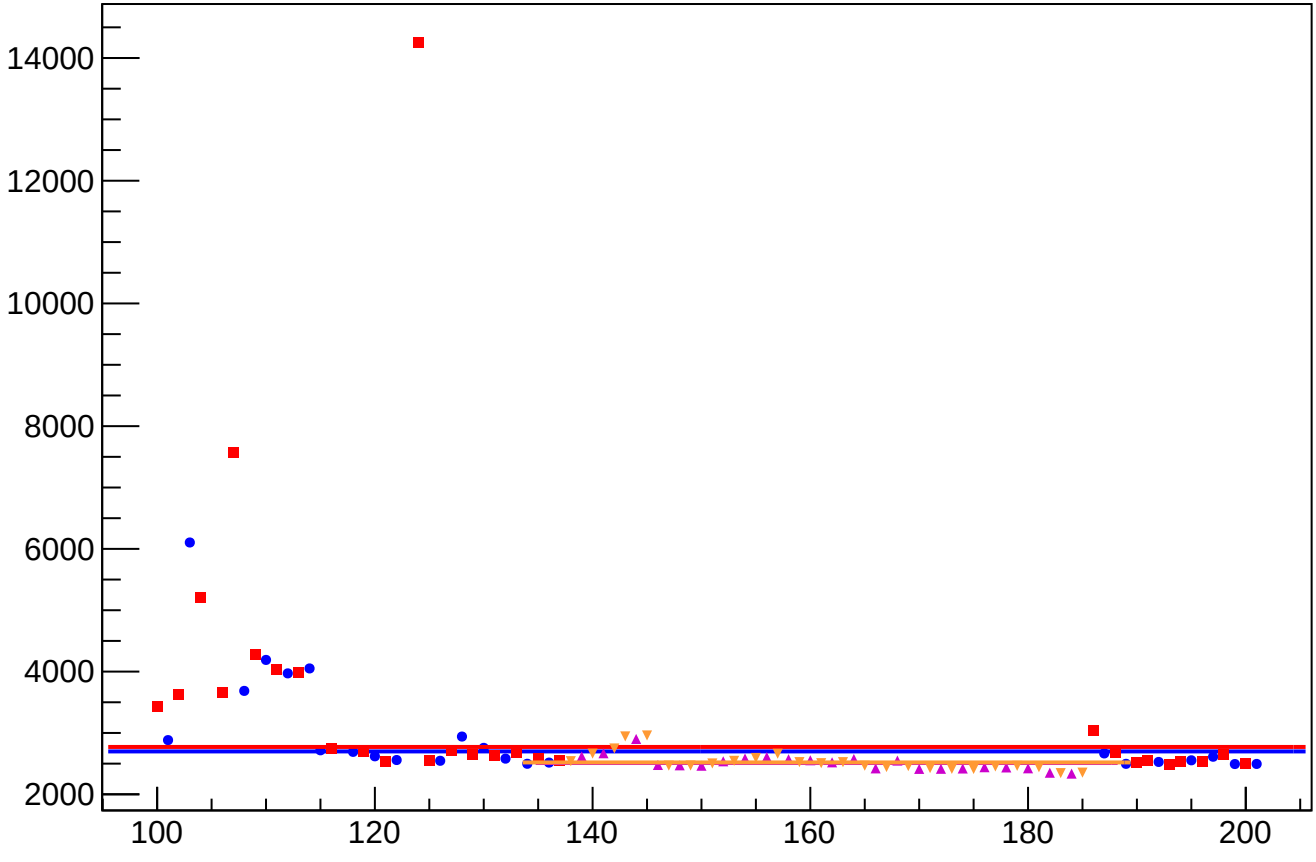
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1104.840+/-461.884 χ^2/NDF: 44.3/47

All: -271.808+/-328.072 χ^2/NDF: 109.6/98

- sign -1673.529+/-466.071 χ^2/NDF: 47.4/50

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: 2771.847+/-0.542 χ^2/NDF: 1149170.7/27

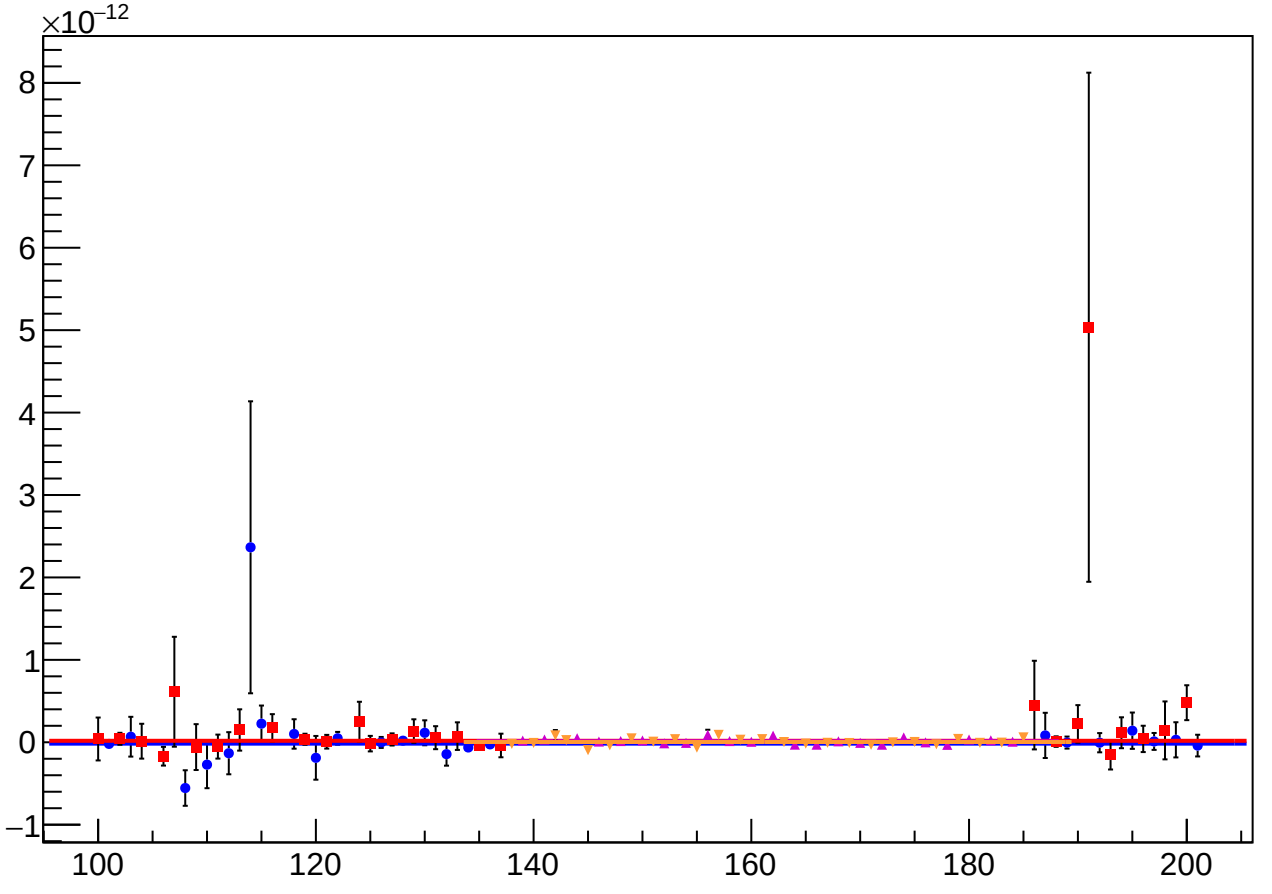
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2582.483+/-0.327 χ^2/NDF: 918952.7/47

All: 2594.502+/-0.232 χ^2/NDF: 2291452.1/98

- sign 2606.741+/-0.330 χ^2/NDF: 1369765.9/50

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: 18.7/27

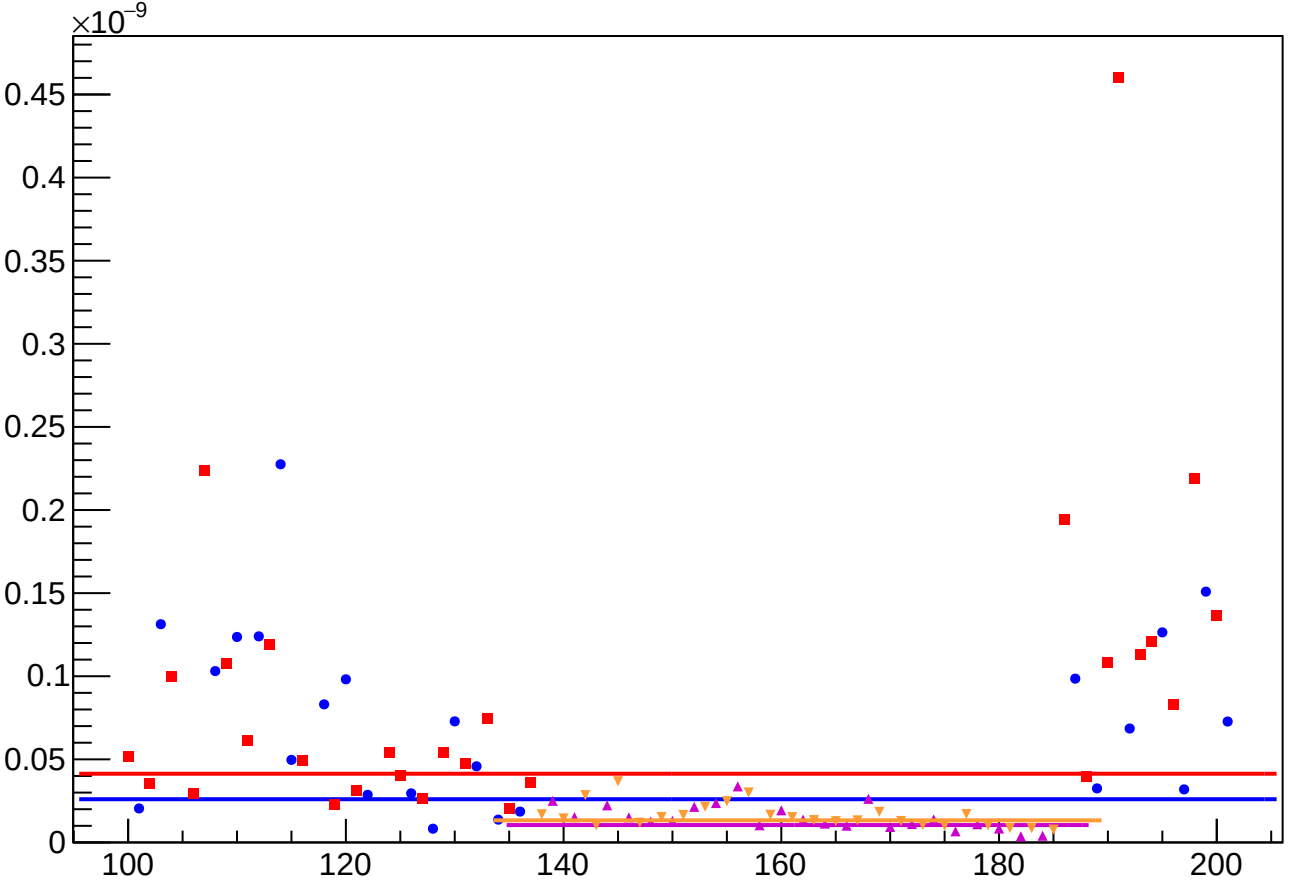
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.4/47

All: 0.000+/-0.000 χ^2/NDF: 100.4/98

- sign 0.000+/-0.000 χ^2/NDF: 51.0/50

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4230255.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3502226.7/27

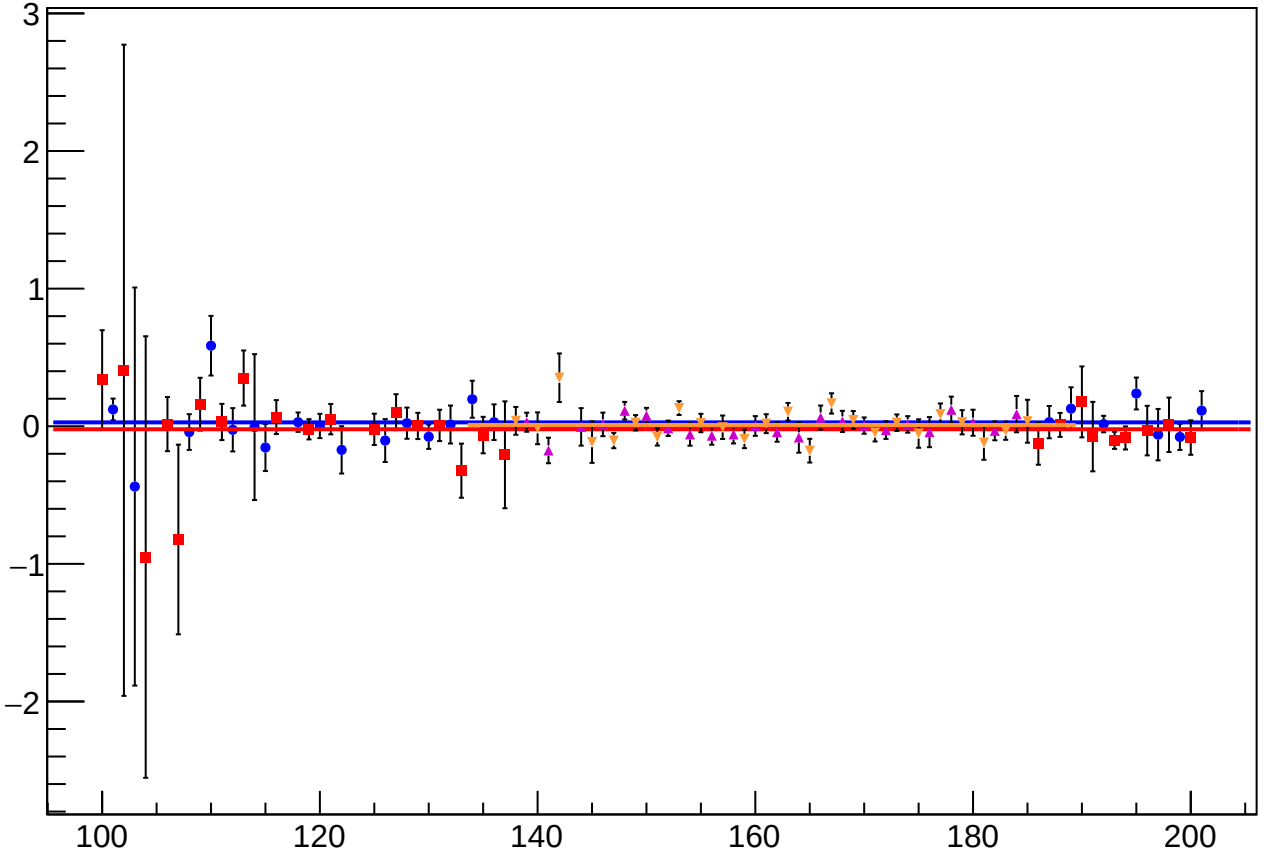
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6832444.6/47

All: 0.000+/-0.000 χ^2/NDF: 17225297.3/98

- sign 0.000+/-0.000 χ^2/NDF: 10092240.9/50

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: -0.022+/-0.025 χ^2/NDF: 15.7/26

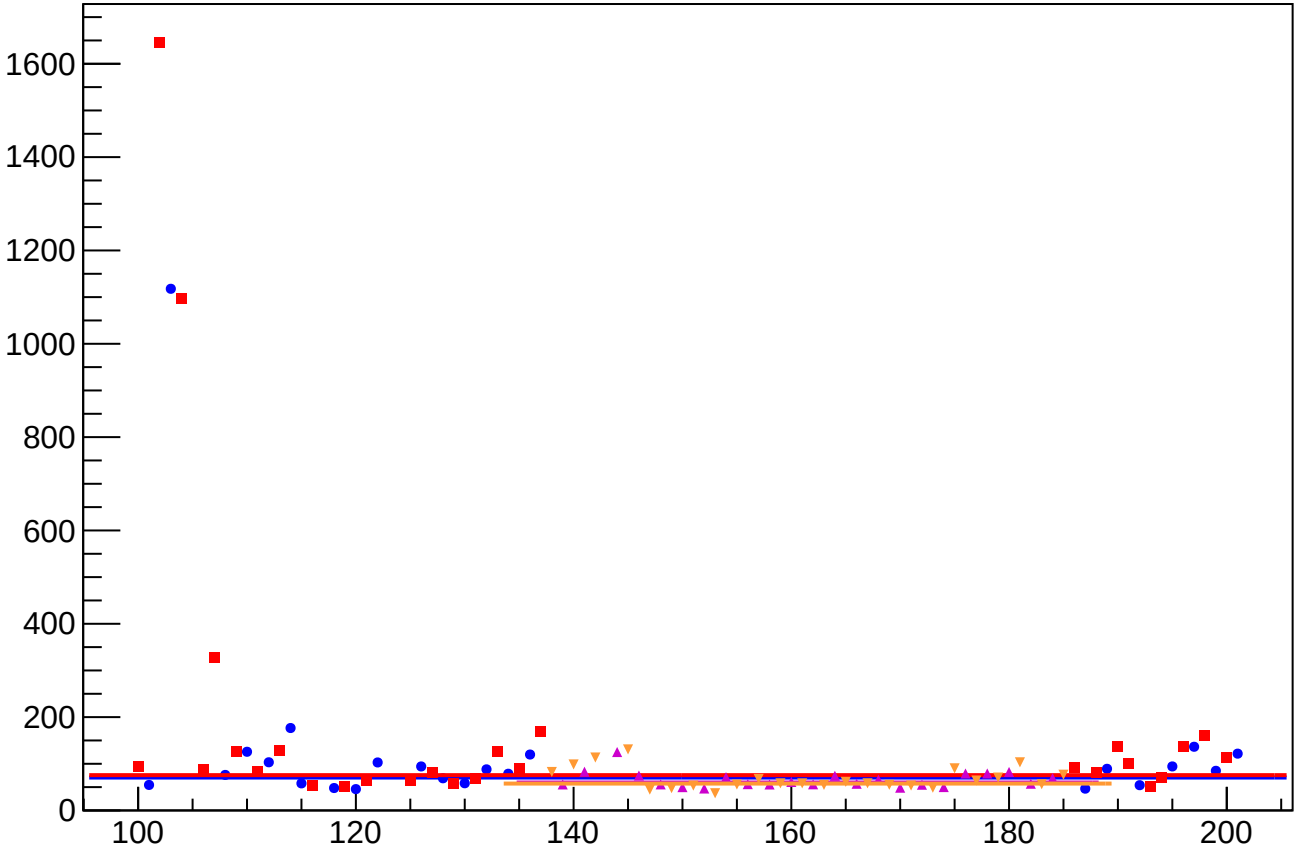
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.015+/-0.013 χ^2/NDF: 55.5/46

All: 0.005+/-0.009 χ^2/NDF: 88.7/96

- sign -0.006+/-0.013 χ^2/NDF: 31.9/49

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: 75.660+/-0.018 χ^2/NDF: 4190924.5/26

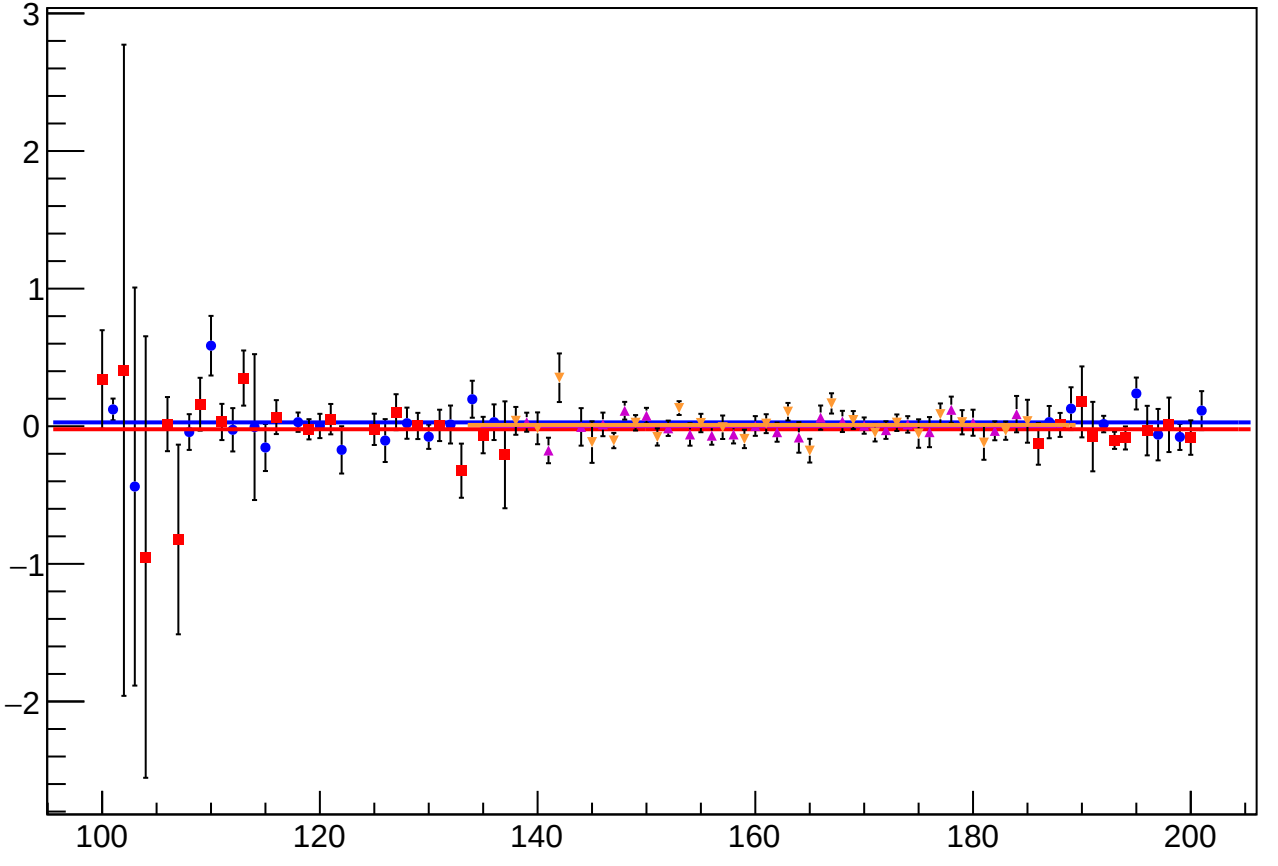
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

\+ sign 61.305+/-0.009 χ^2/NDF: 5822661.8/46

All: 62.737+/-0.006 χ^2/NDF: 11990513.5/96

\- sign 64.257+/-0.009 χ^2/NDF: 6115941.3/49

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: -0.022+/-0.025 χ^2/NDF: 15.7/26

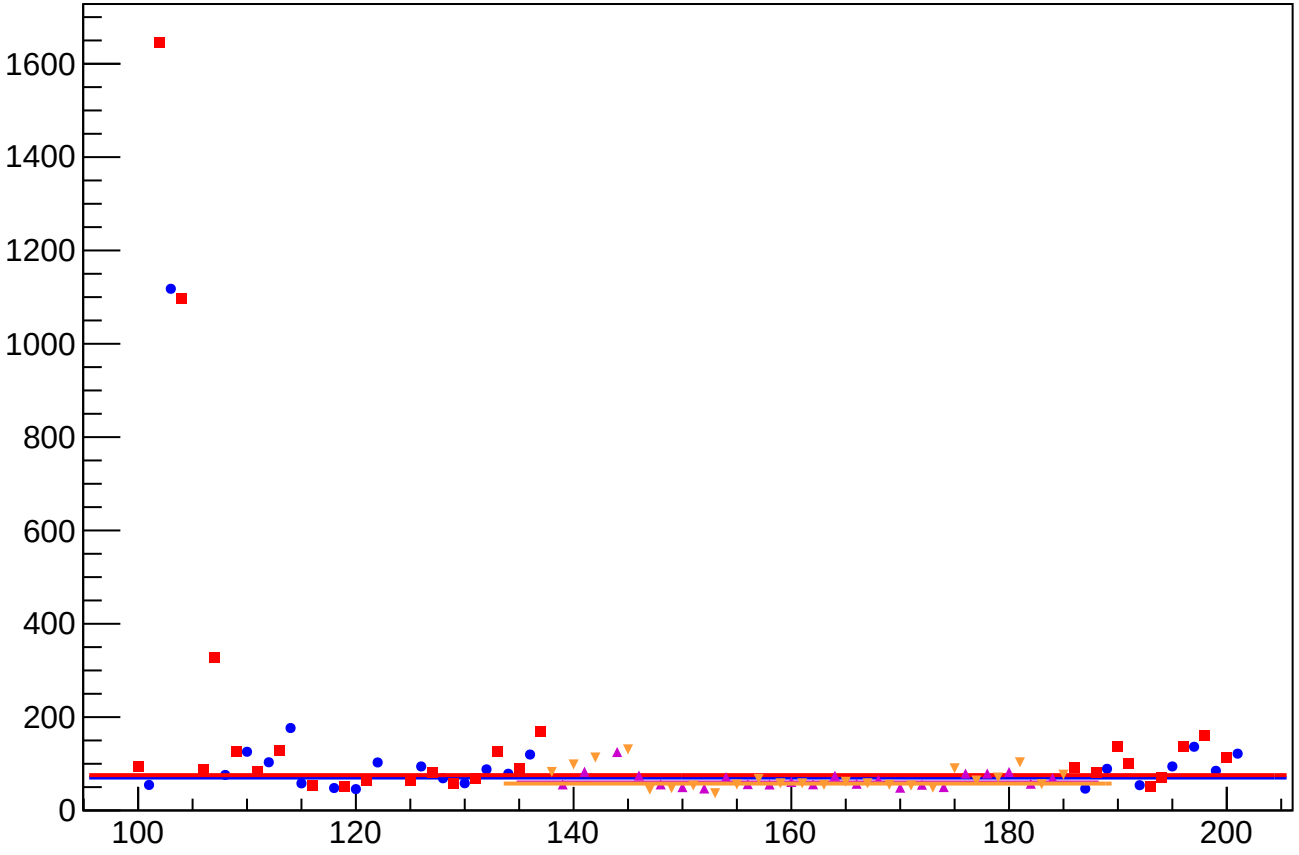
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.015+/-0.013 χ^2/NDF: 55.5/46

All: 0.005+/-0.009 χ^2/NDF: 88.7/96

- sign -0.006+/-0.013 χ^2/NDF: 31.9/49

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: 75.660+/-0.018 χ^2/NDF: 4190924.5/26

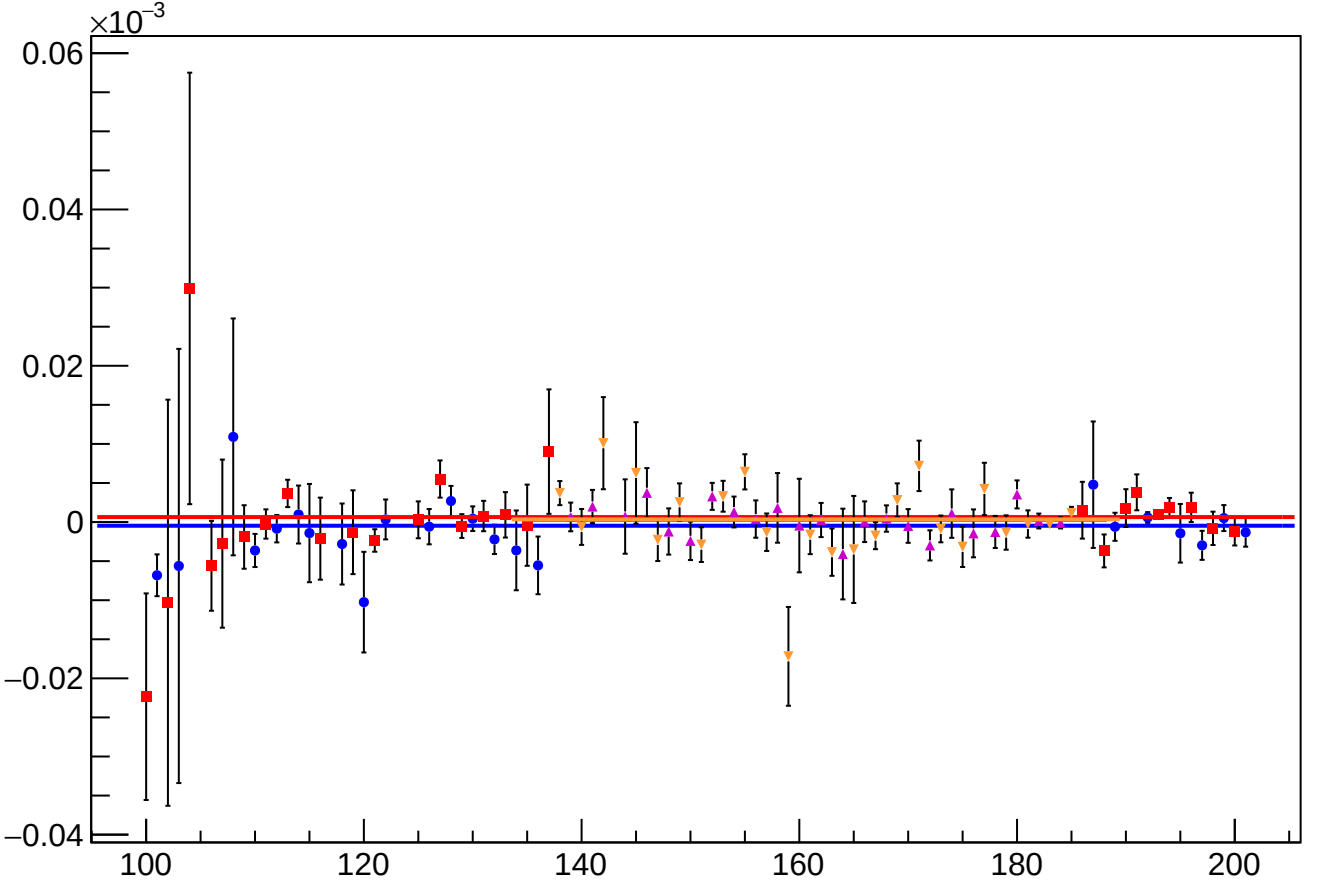
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.305+/-0.009 χ^2/NDF: 5822661.8/46

All: 62.737+/-0.006 χ^2/NDF: 11990513.5/96

- sign 64.257+/-0.009 χ^2/NDF: 6115941.3/49

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: 29.3/26

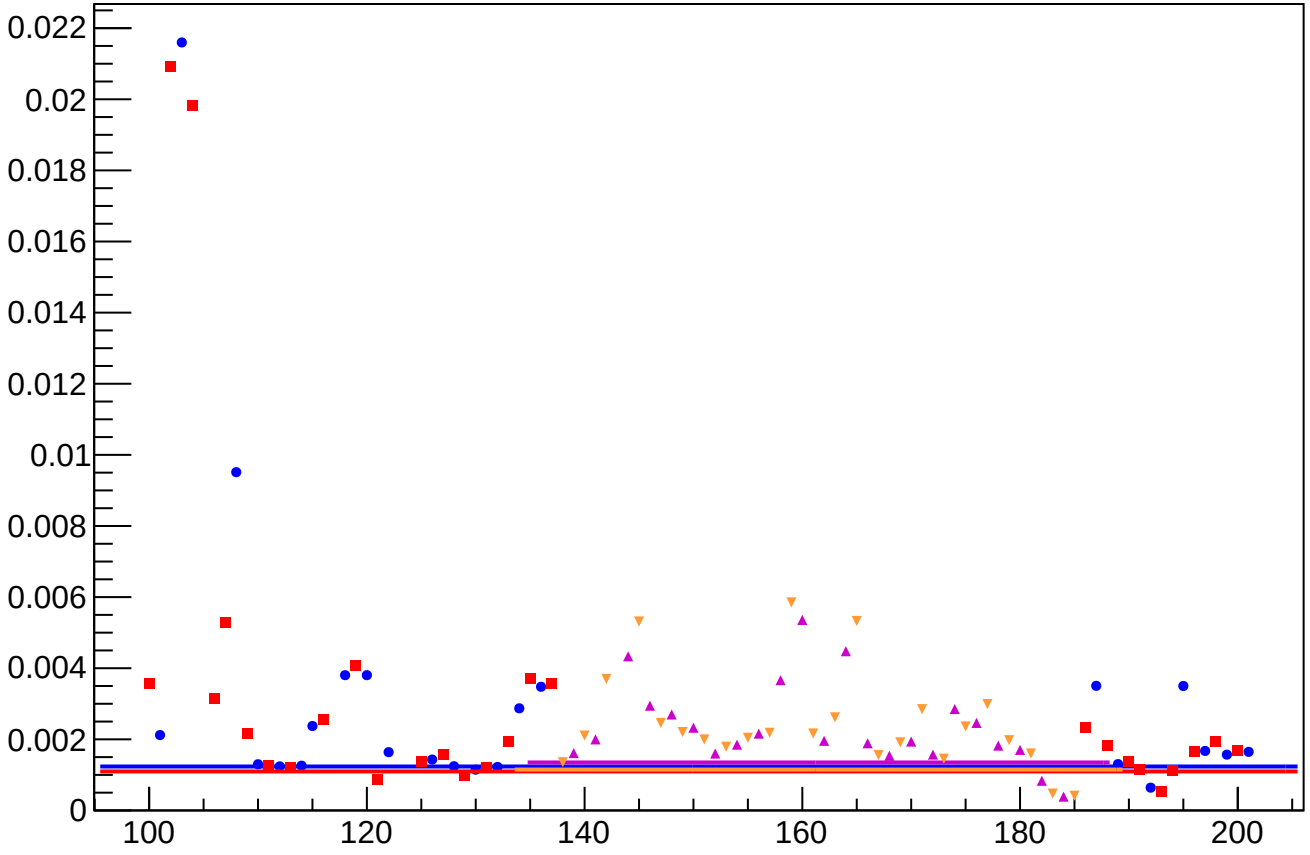
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.7/46

All: 0.000+/-0.000 χ^2/NDF: 117.9/96

- sign 0.000+/-0.000 χ^2/NDF: 44.7/49

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: 7672345.8/26

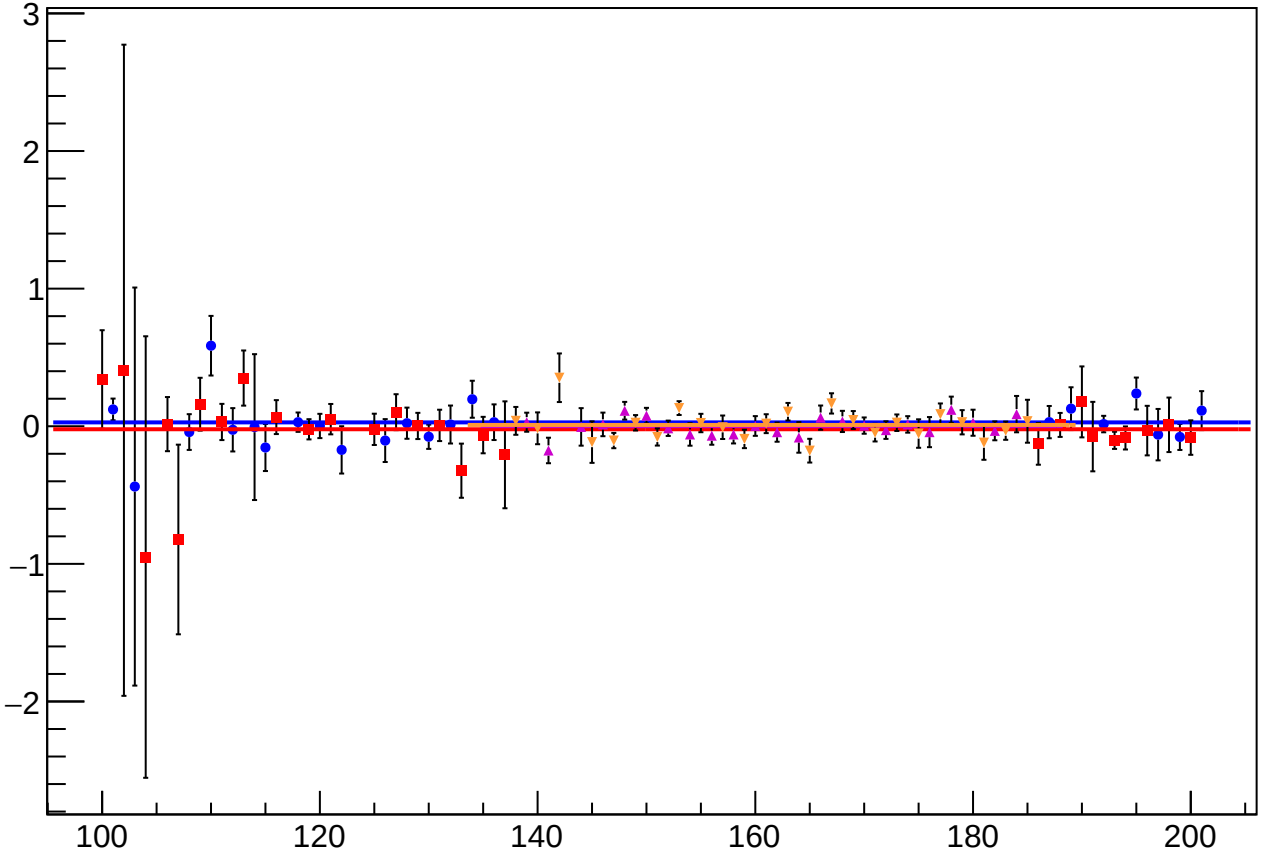
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 19763544.8/46

All: 0.001+/-0.000 χ^2/NDF: 38155103.1/96

- sign 0.001+/-0.000 χ^2/NDF: 18374988.3/49

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: -0.022+/-0.025 χ^2/NDF: 15.7/26

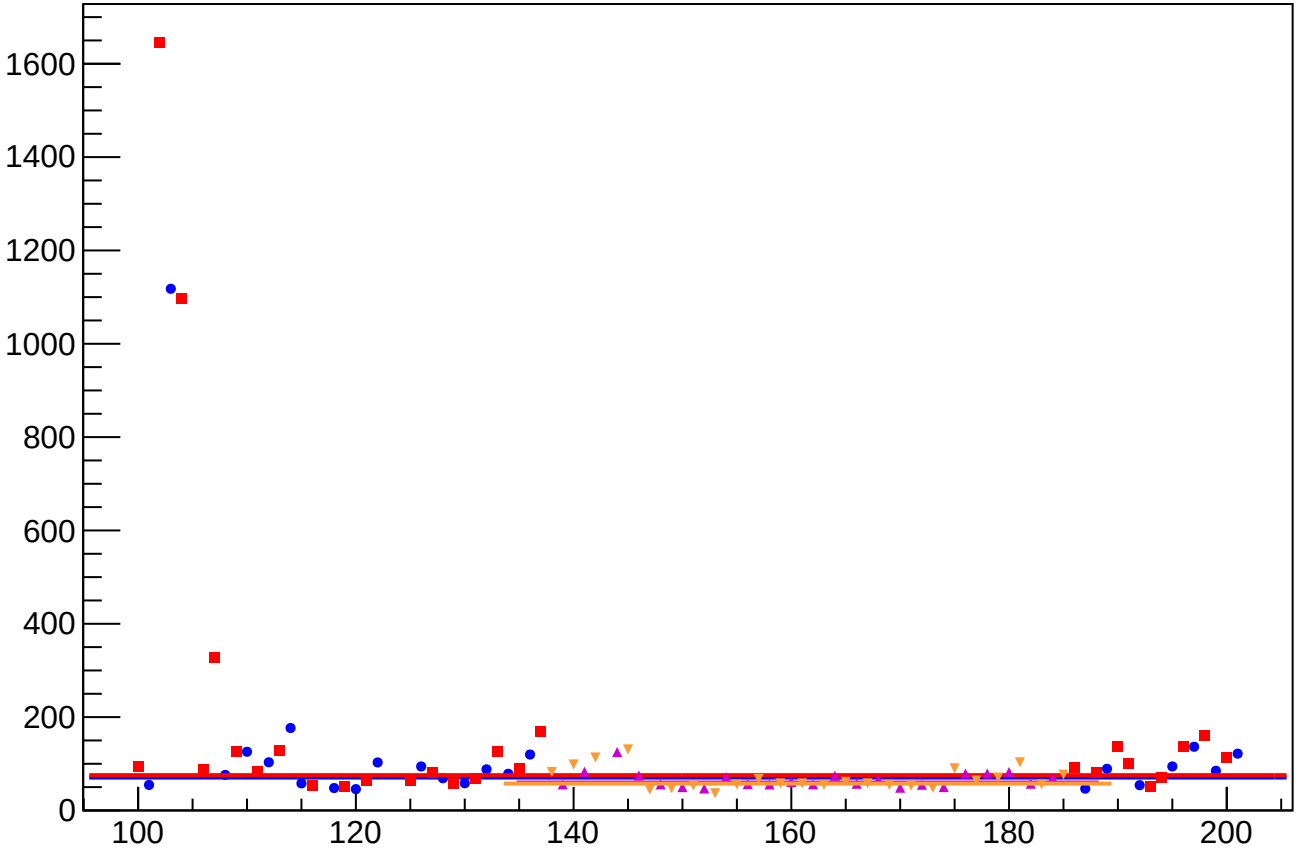
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.015+/-0.013 χ^2/NDF: 55.5/46

All: 0.005+/-0.009 χ^2/NDF: 88.7/96

- sign -0.006+/-0.013 χ^2/NDF: 31.9/49

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: 75.660+/-0.018 χ^2/NDF: 4190946.7/26

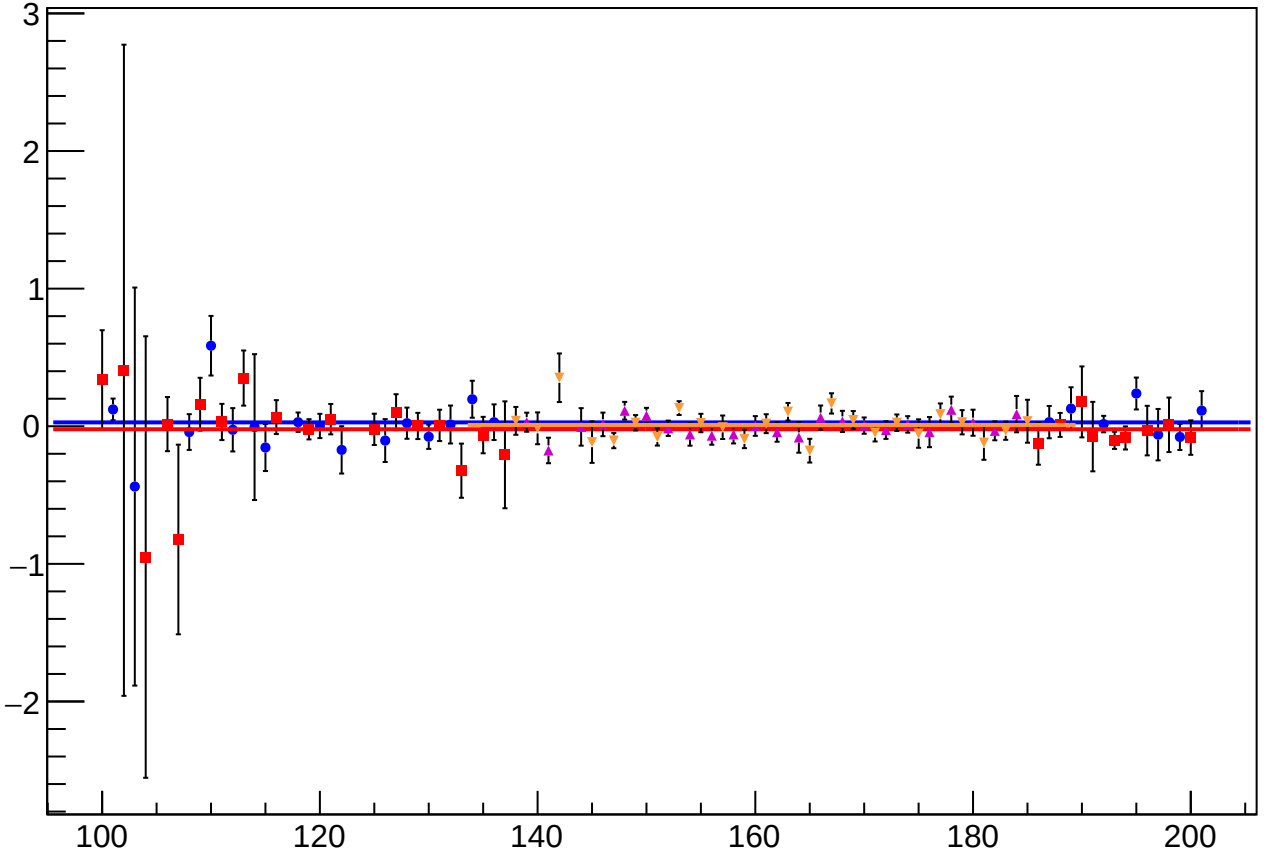
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.305+/-0.009 χ^2/NDF: 5822818.6/46

All: 62.737+/-0.006 χ^2/NDF: 11990644.4/96

- sign 64.257+/-0.009 χ^2/NDF: 6115907.5/49

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

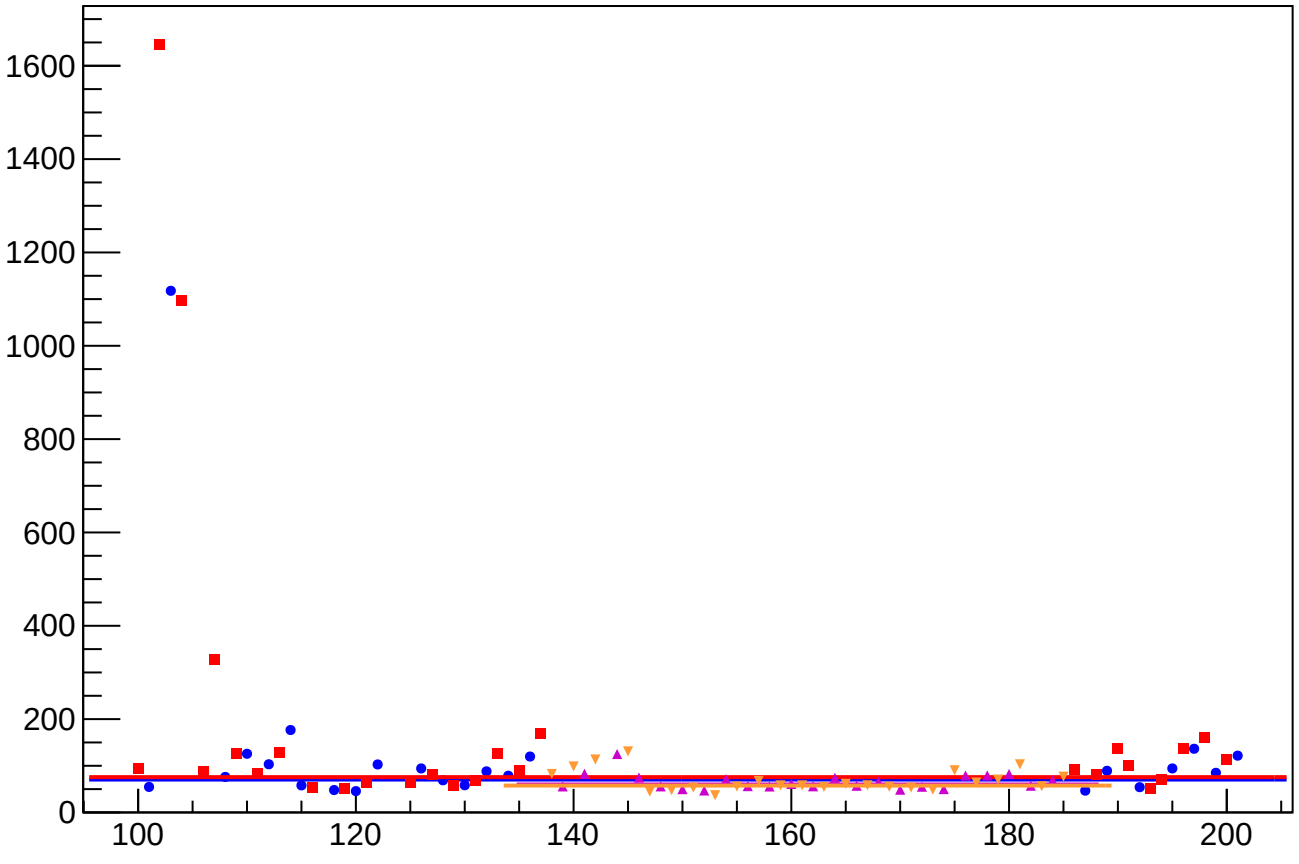
Right Out: -0.022+/-0.025 χ^2/NDF: 15.7/26

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.015+/-0.013 χ^2/NDF: 55.5/46

All: 0.005+/-0.009 χ^2/NDF: 88.7/96

- sign -0.006+/-0.013 χ^2/NDF: 31.9/49



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: 75.660+/-0.018 χ^2/NDF: 4190946.7/26

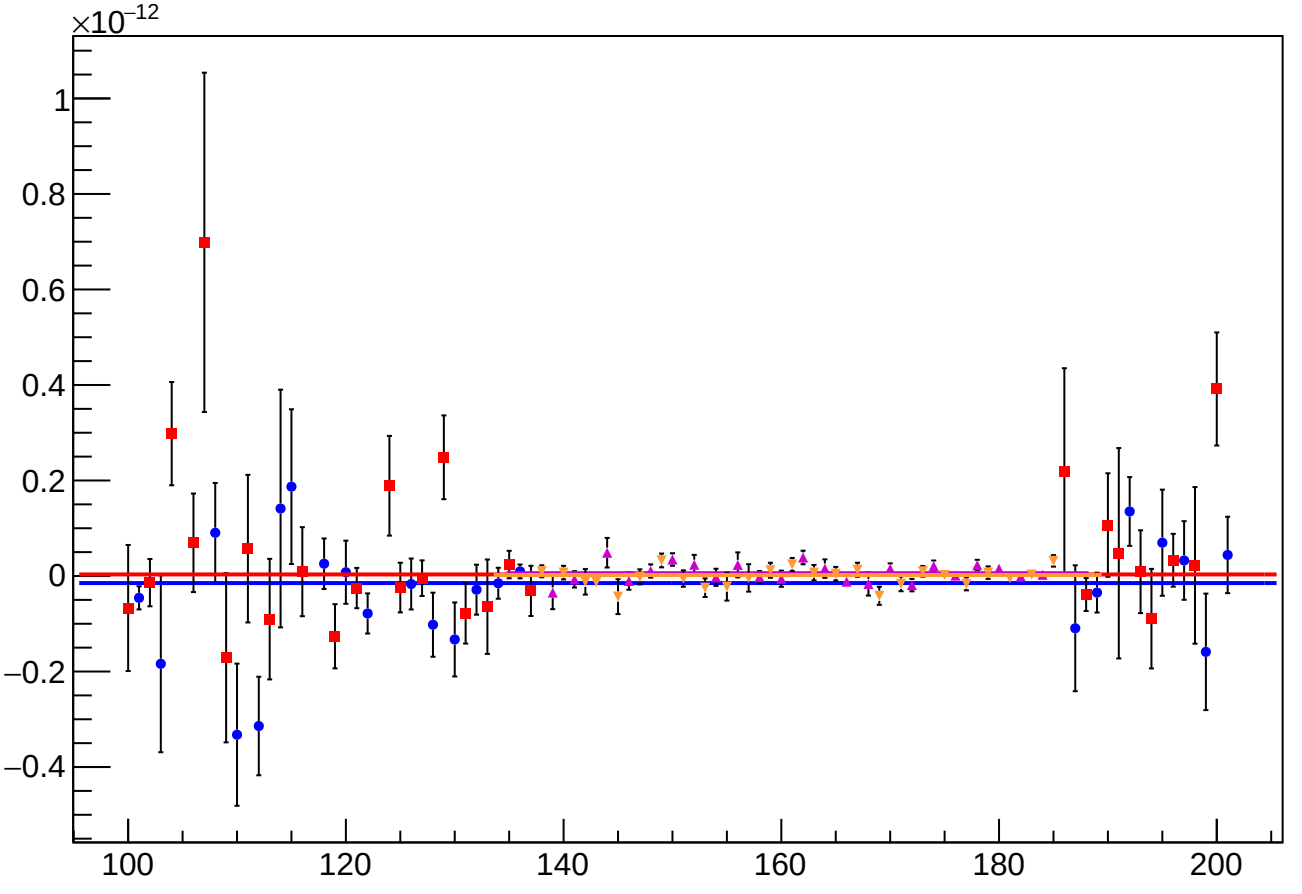
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.305+/-0.009 χ^2/NDF: 5822818.6/46

All: 62.737+/-0.006 χ^2/NDF: 11990644.4/96

- sign 64.257+/-0.009 χ^2/NDF: 6115907.5/49

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

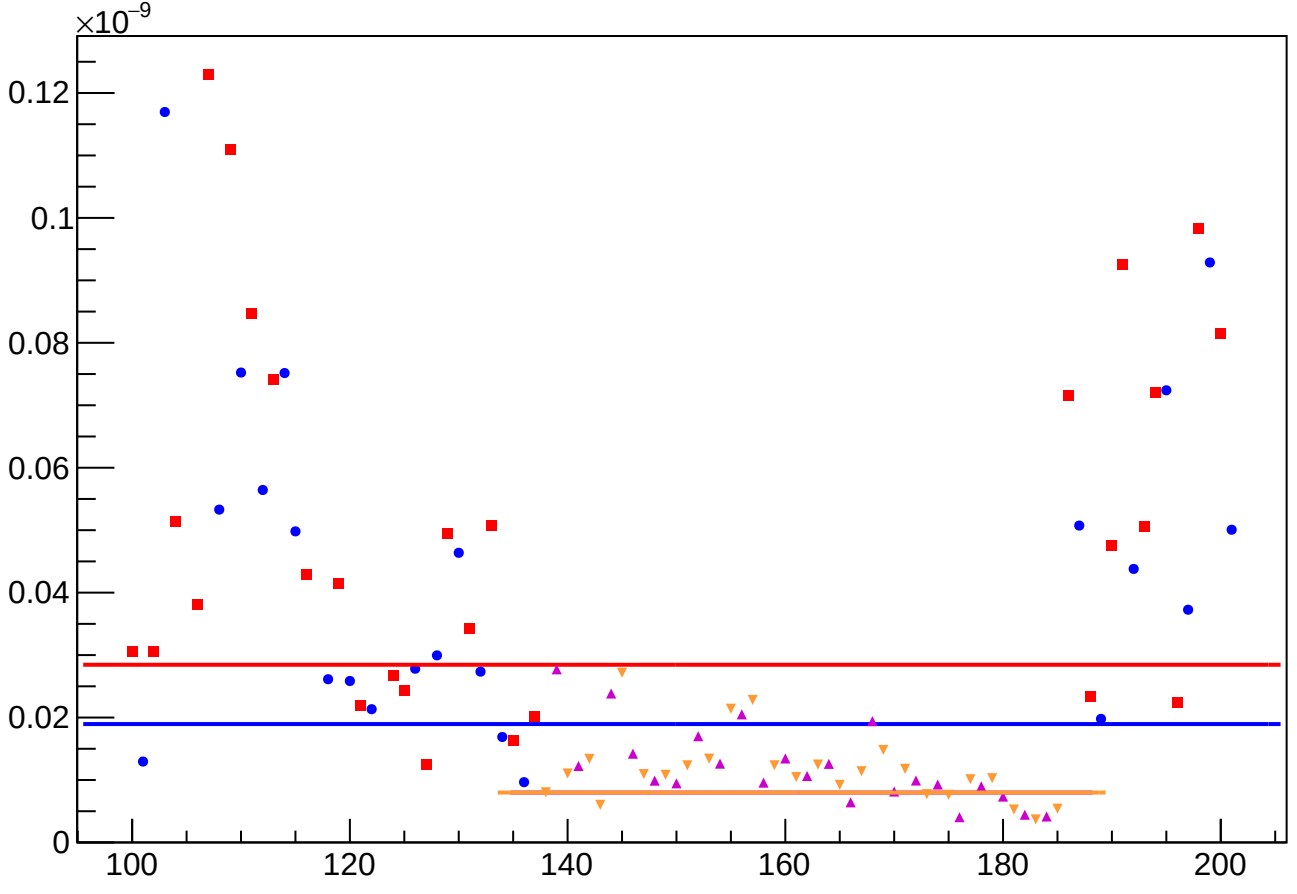
Right Out: 0.000+/-0.000 χ^2/NDF: 47.6/27

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: 153.3/98

- sign 0.000+/-0.000 χ^2/NDF: 80.2/50



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: 4019798.2/27

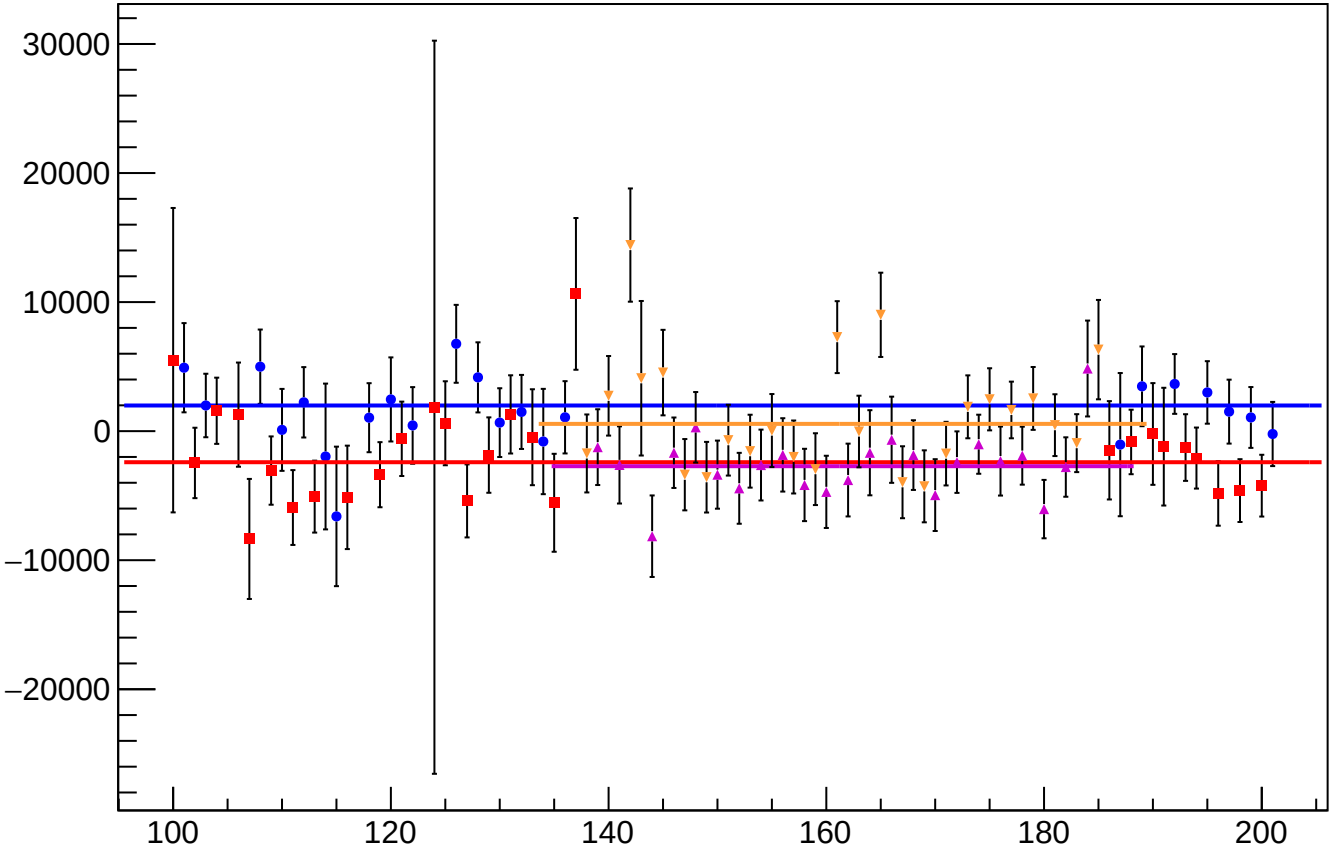
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12322247.4/47

All: 0.000+/-0.000 χ^2/NDF: 26793796.7/98

- sign 0.000+/-0.000 χ^2/NDF: 14468844.1/50

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: -2407.702+/-584.944 χ^2/NDF: 21.6/27

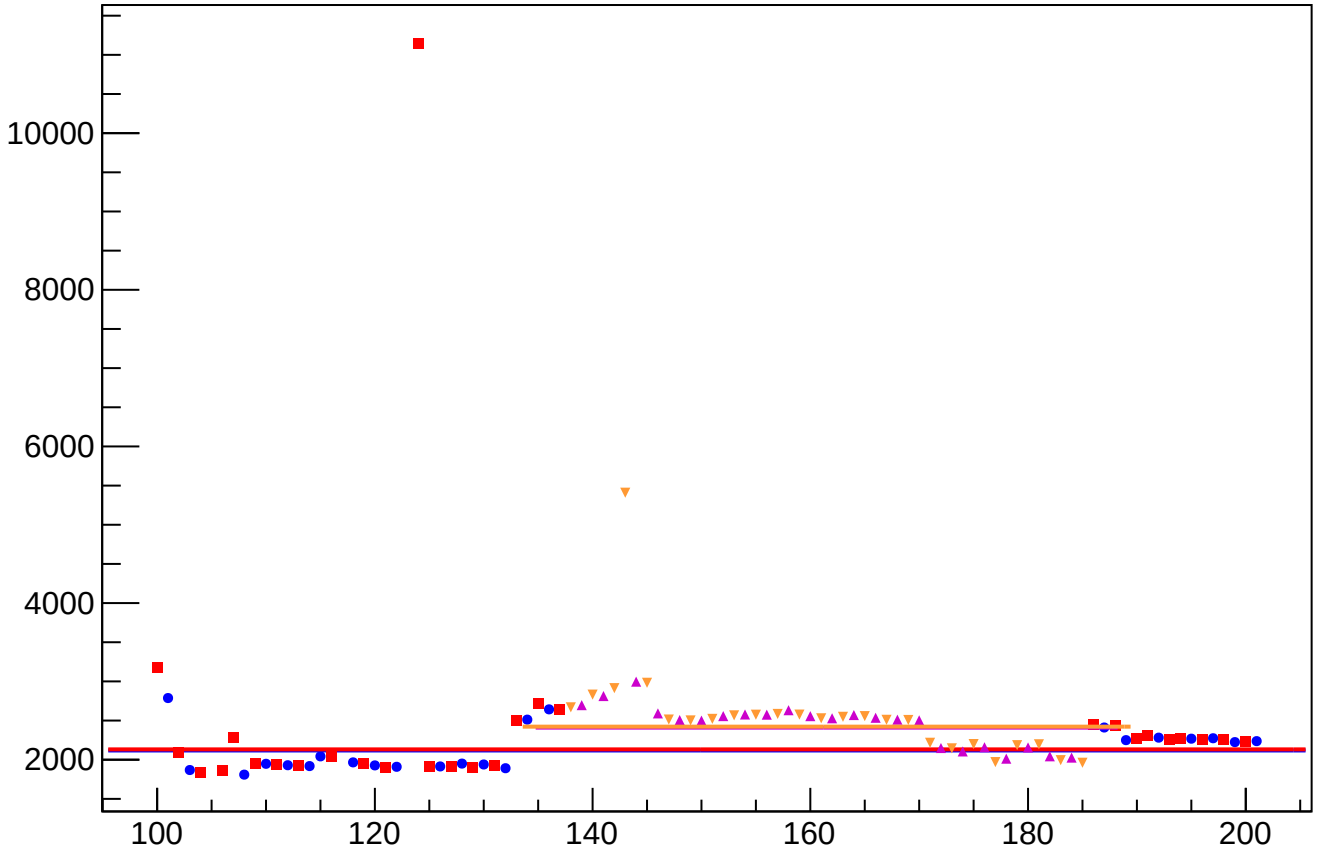
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1213.689+/-410.643 χ^2/NDF: 58.7/47

All: -694.278+/-289.011 χ^2/NDF: 137.5/98

- sign -2566.973+/-406.830 χ^2/NDF: 36.0/50

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: 2131.964+/-0.414 χ^2/NDF: 509472.6/27

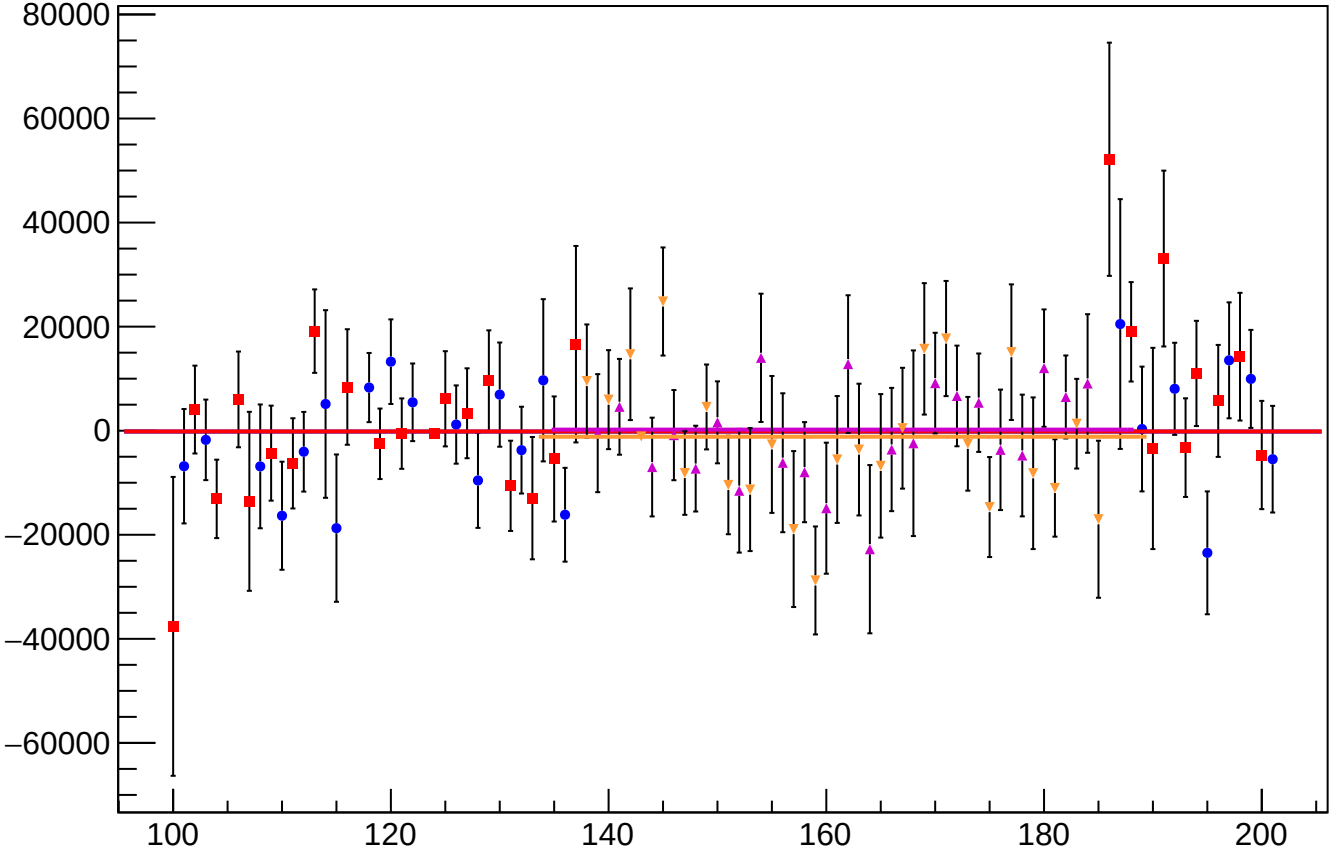
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2283.135+/-0.290 χ^2/NDF: 1555762.8/47

All: 2279.239+/-0.204 χ^2/NDF: 2726938.3/98

- sign 2275.415+/-0.288 χ^2/NDF: 1170818.7/50

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: -143.014+/-754.057 χ^2/NDF: 35.2/27

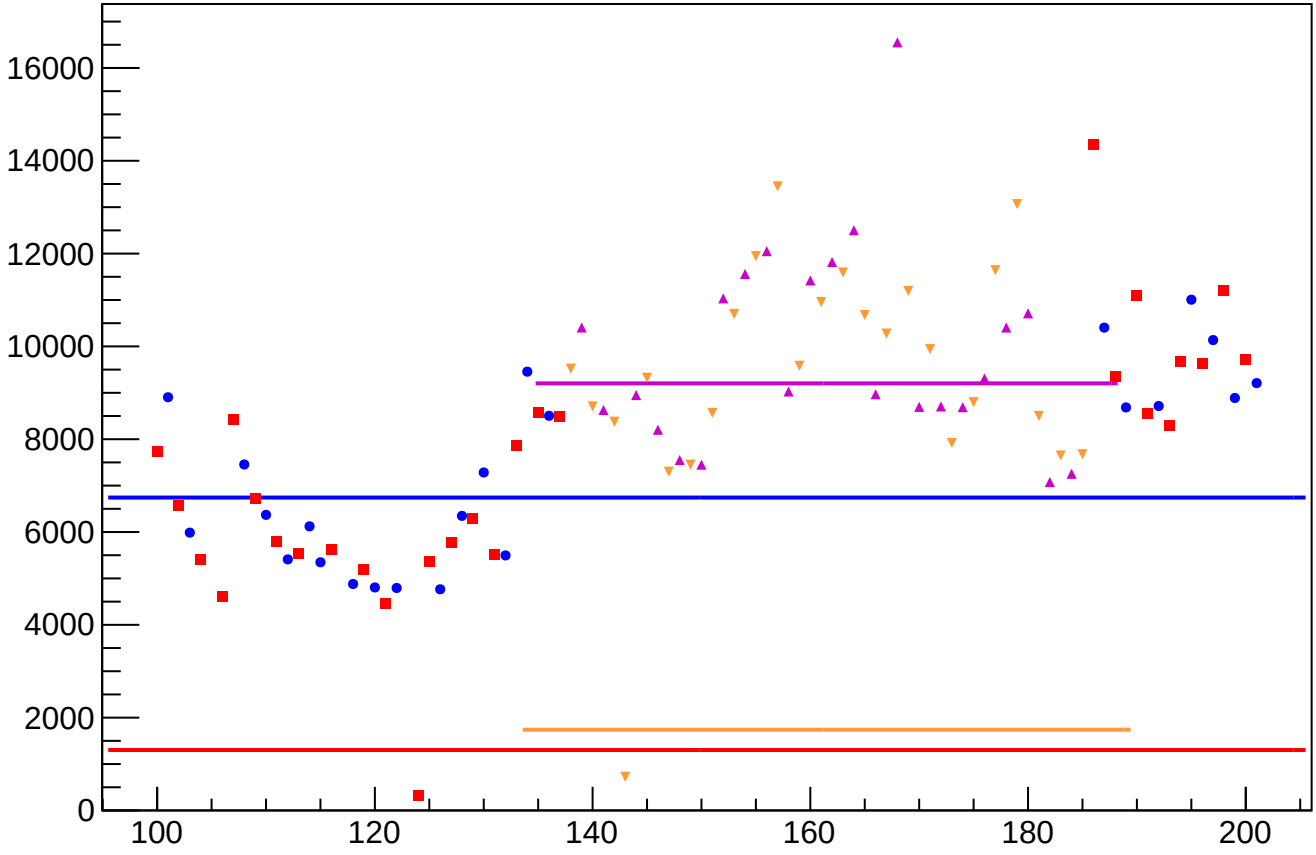
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1033.750+/-708.620 χ^2/NDF: 56.0/47

All: -572.726+/-502.664 χ^2/NDF: 105.5/98

- sign -105.788+/-713.151 χ^2/NDF: 48.6/50

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: 1302.524+/-0.533 χ^2/NDF: 21006129.6/27

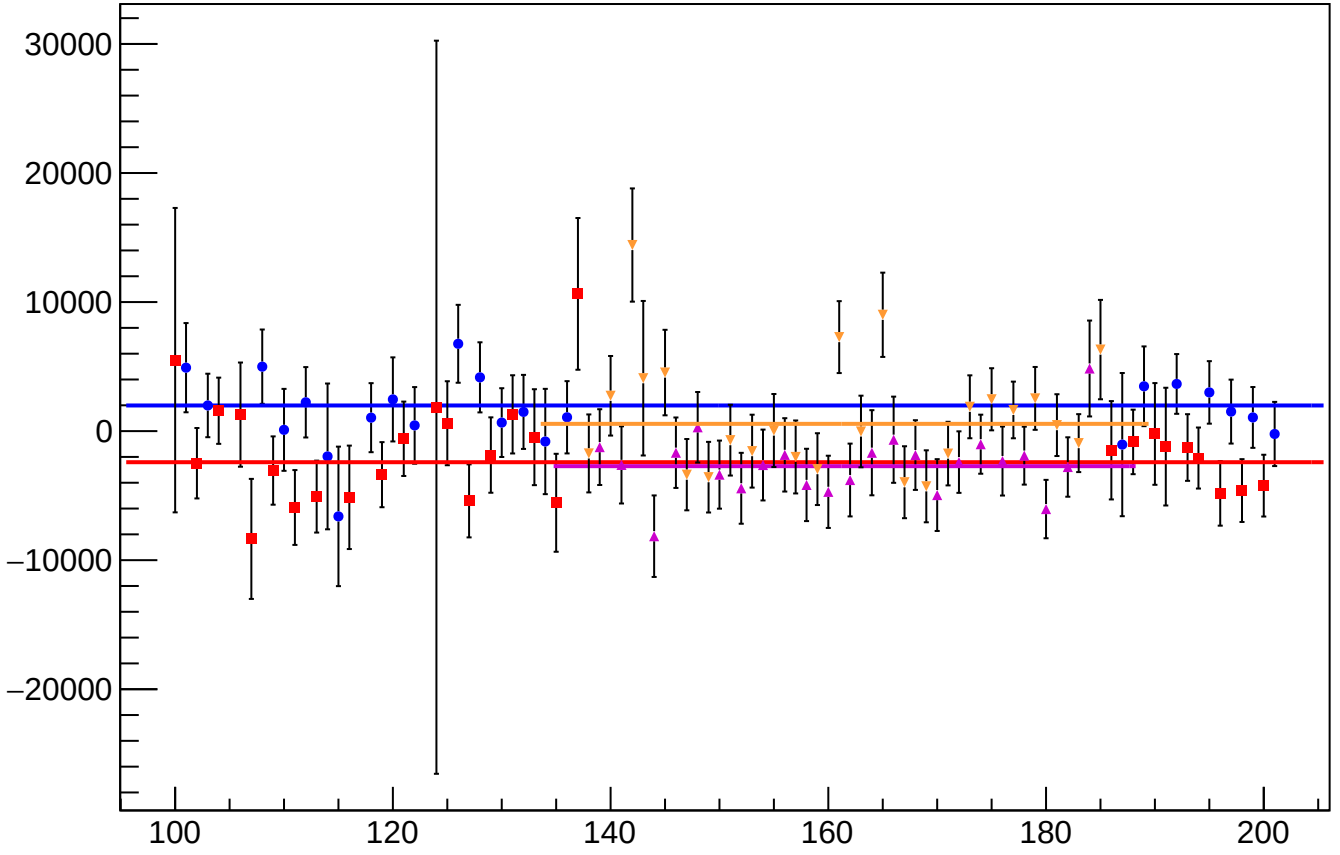
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2367.969+/-0.501 χ^2/NDF: 40470600.4/47

All: 2252.984+/-0.355 χ^2/NDF: 86033138.1/9

- sign 2136.523+/-0.504 χ^2/NDF: 45456539.5/50

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: -2408.813+/-584.948 χ^2/NDF: 21.6/27

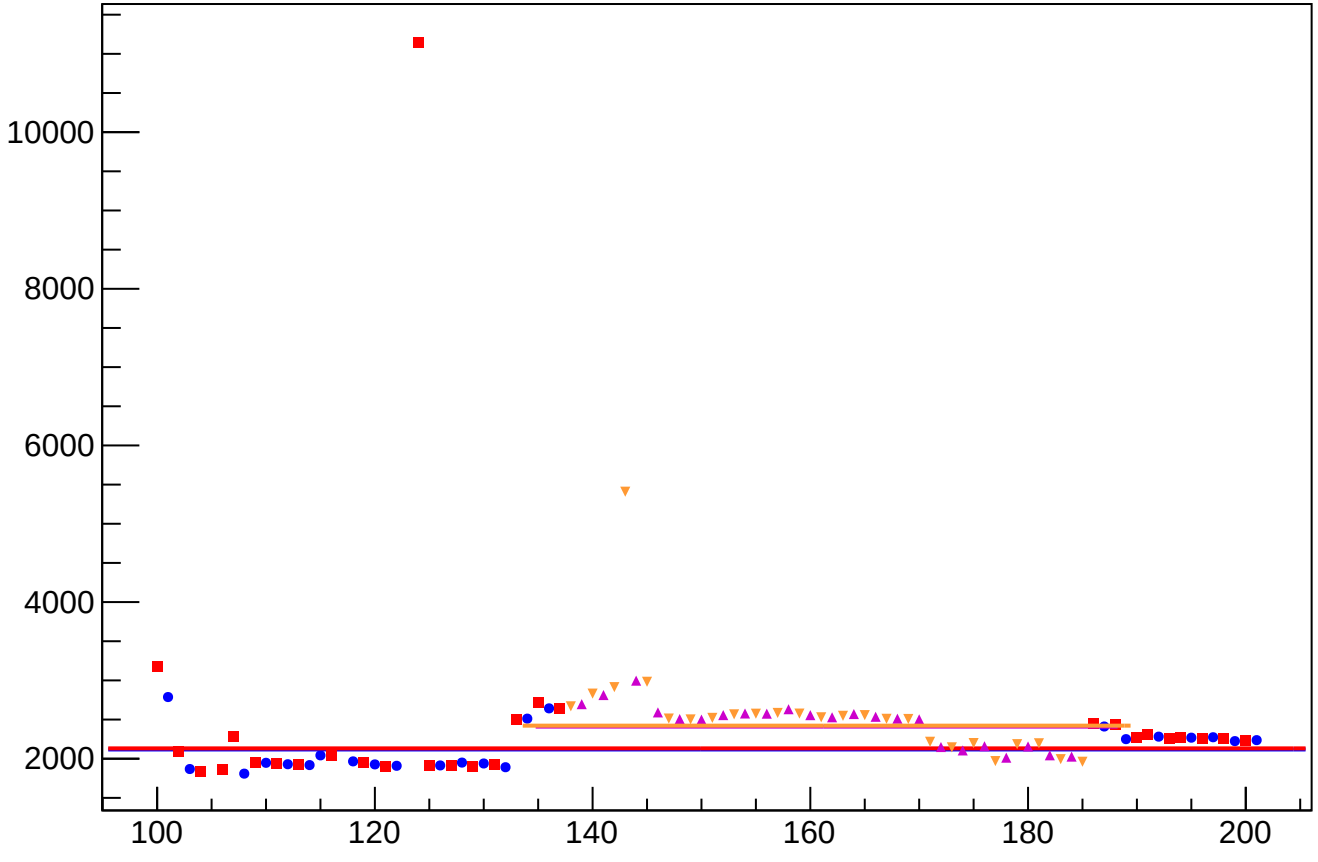
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1213.697+/-410.643 χ^2/NDF: 58.7/47

All: -694.531+/-289.011 χ^2/NDF: 137.5/98

- sign -2567.492+/-406.831 χ^2/NDF: 36.0/50

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: 2131.978+/-0.414 χ^2/NDF: 509466.8/27

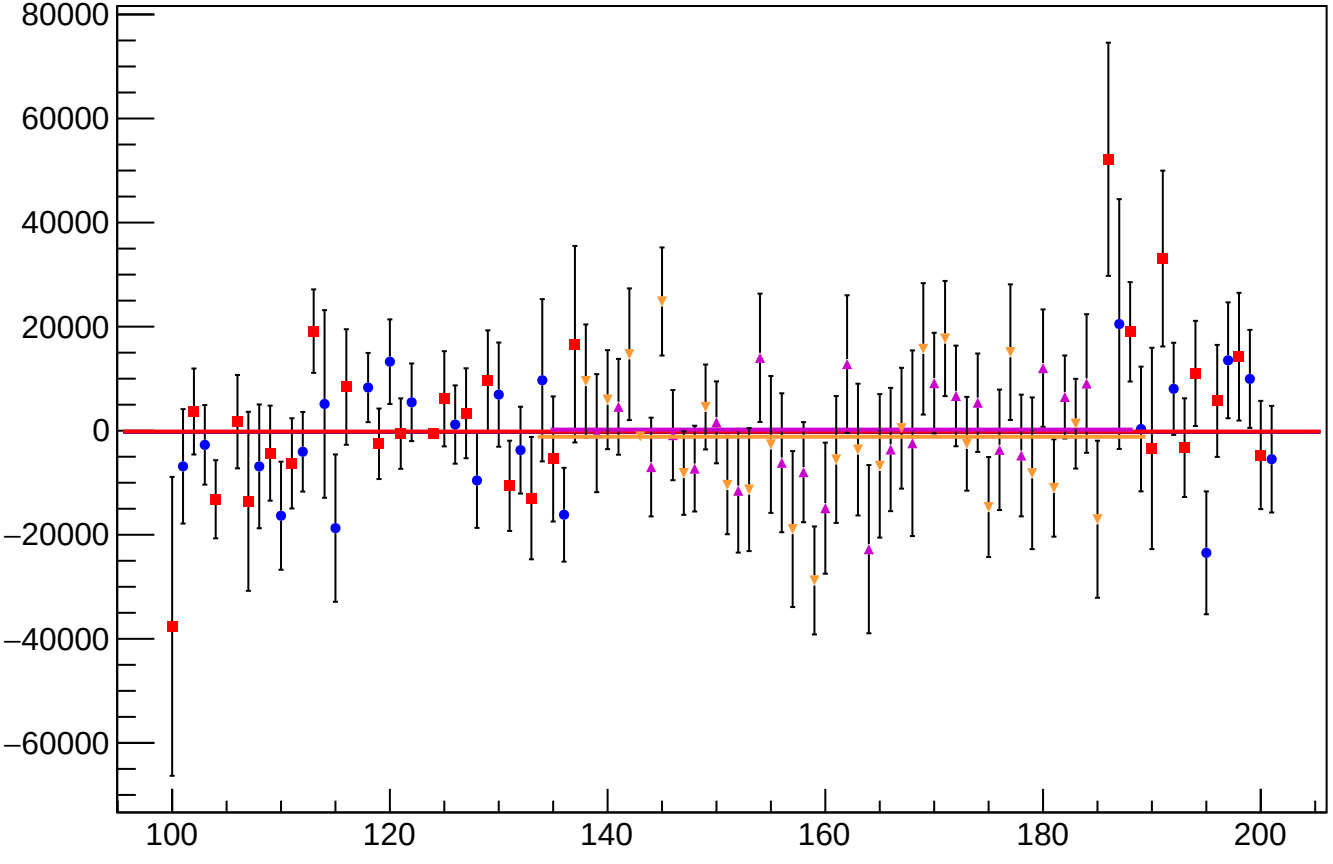
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2283.135+/-0.290 χ^2/NDF: 1555762.9/47

All: 2279.242+/-0.204 χ^2/NDF: 2726906.7/98

- sign 2275.422+/-0.288 χ^2/NDF: 1170787.7/50

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: -175.404+/-753.736 χ^2/NDF: 34.8/27

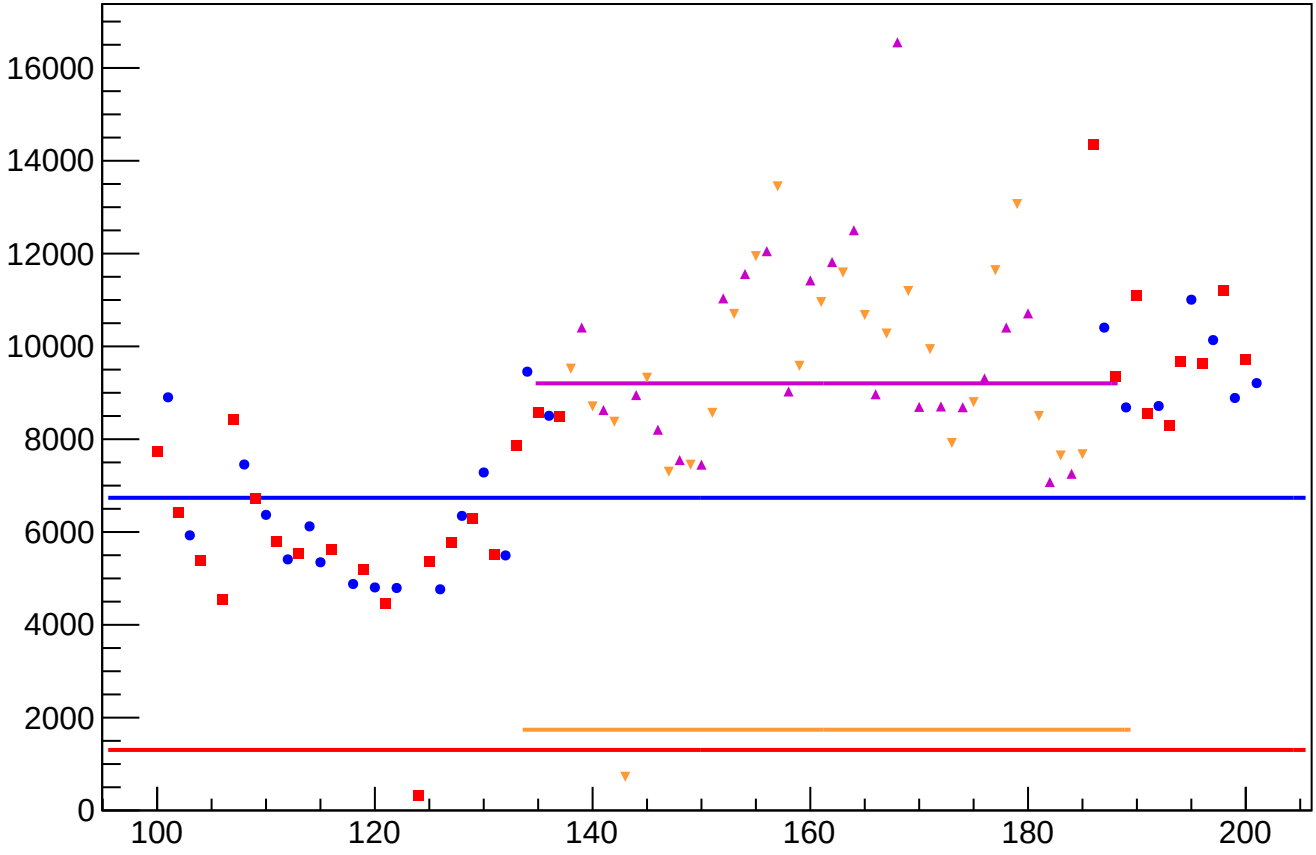
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1042.017+/-708.496 χ^2/NDF: 56.1/47

All: -591.209+/-502.525 χ^2/NDF: 105.2/98

- sign -134.807+/-712.879 χ^2/NDF: 48.3/50

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: 1303.917+/-0.533 χ^2/NDF: 20998853.8/27

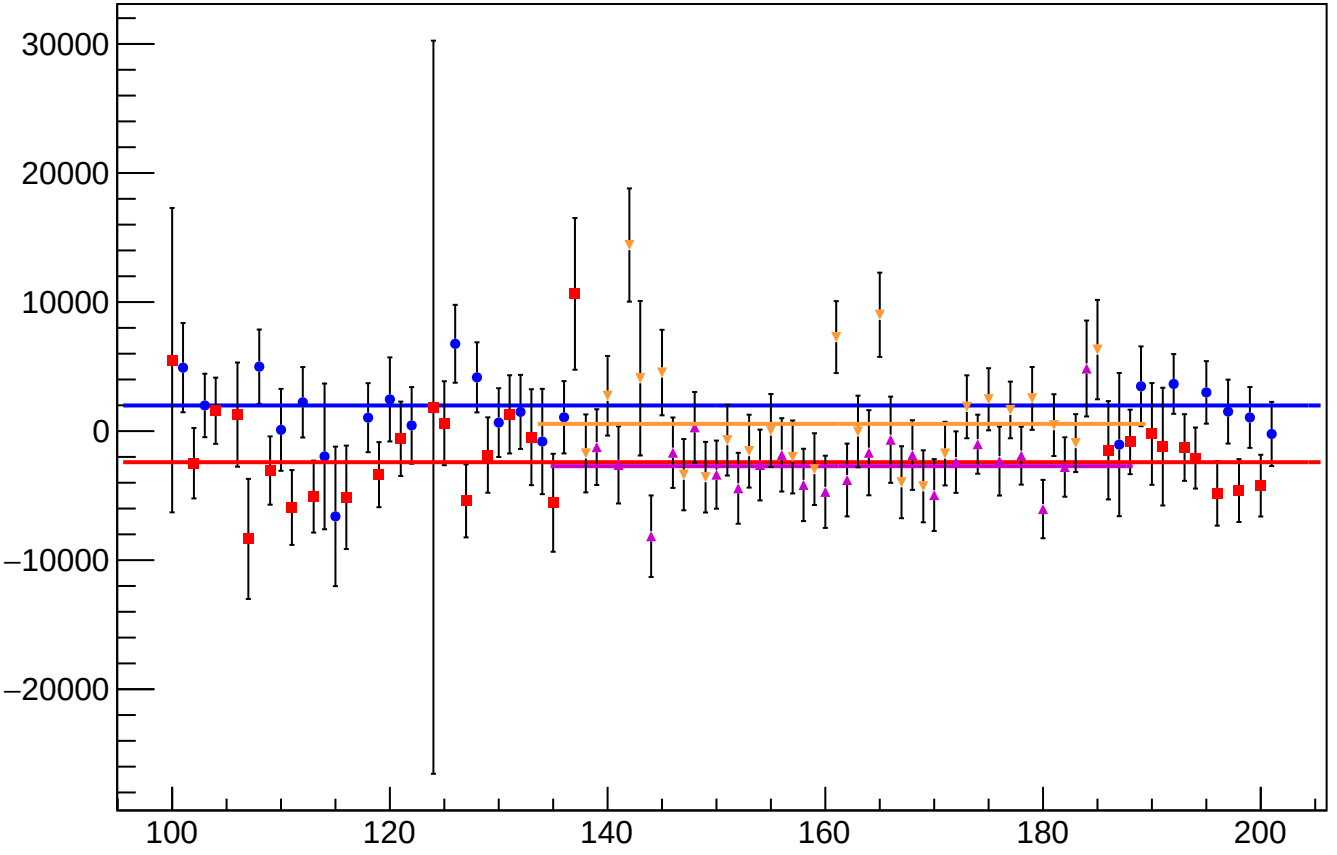
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2367.889+/-0.501 χ^2/NDF: 40468747.1/47

All: 2253.223+/-0.355 χ^2/NDF: 86017328.1/9

- sign 2137.134+/-0.504 χ^2/NDF: 45443157.6/50

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: -2408.813+/-584.948 χ^2/NDF: 21.6/27

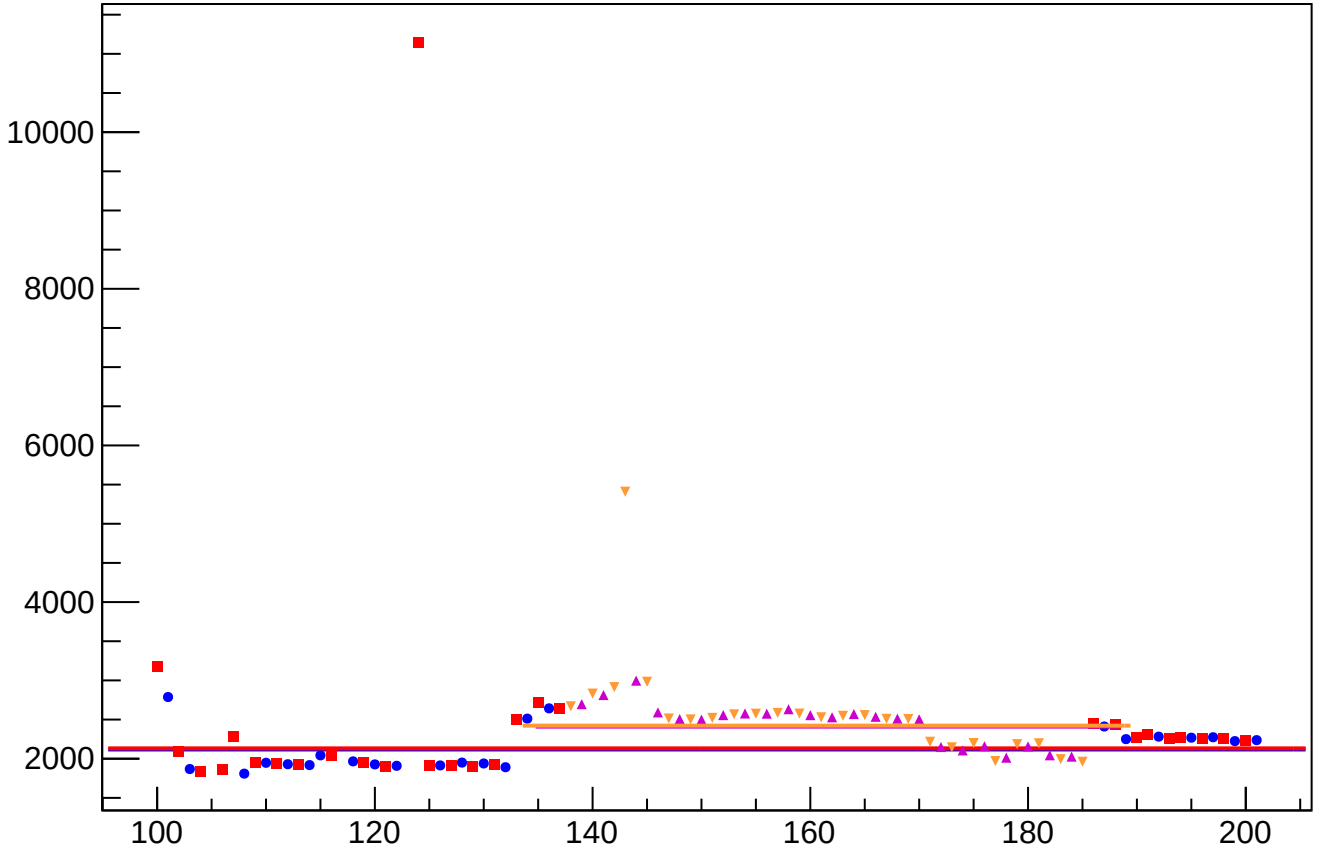
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1213.697+/-410.643 χ^2/NDF: 58.7/47

All: -694.531+/-289.011 χ^2/NDF: 137.5/98

- sign -2567.492+/-406.831 χ^2/NDF: 36.0/50

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: 2131.978+/-0.414 χ^2/NDF: 509466.8/27

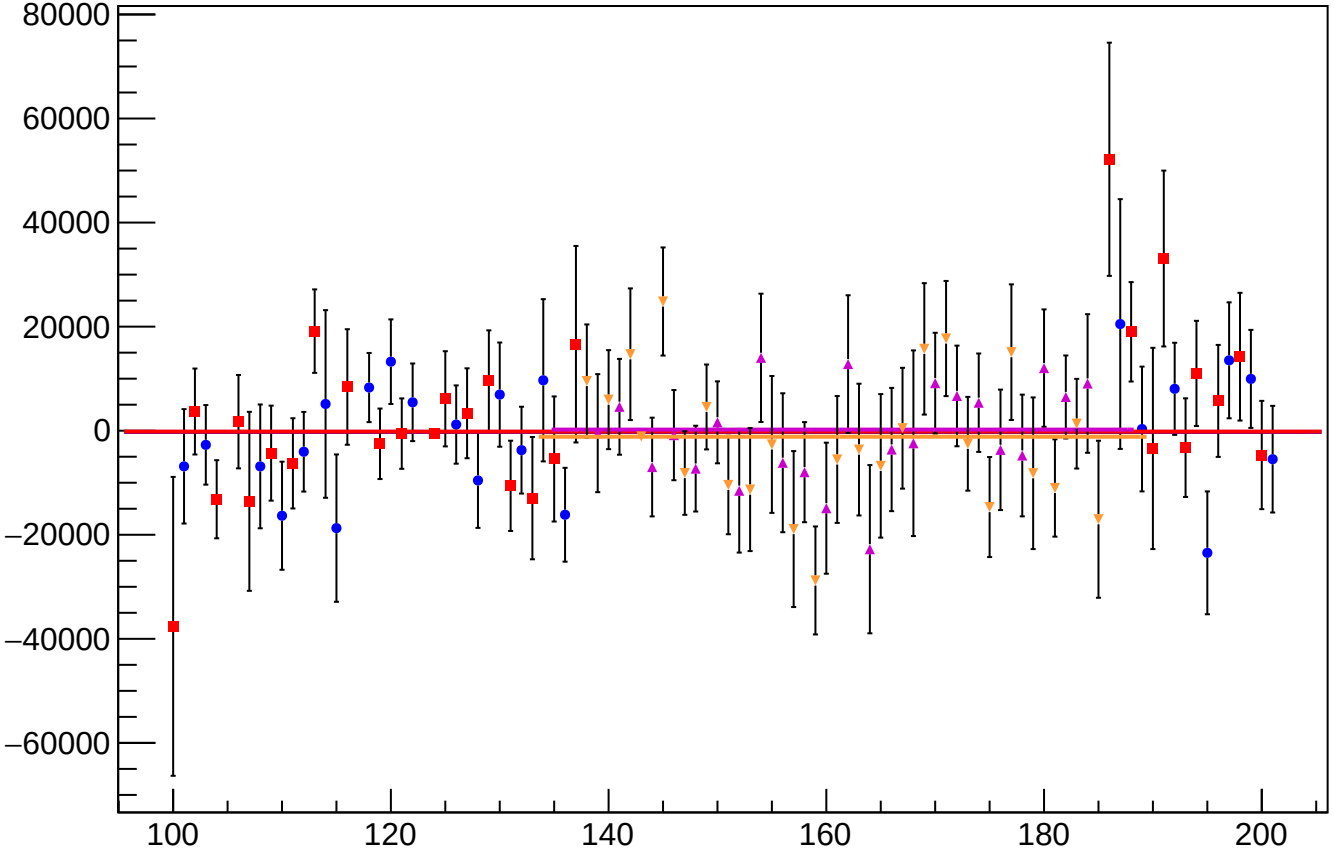
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2283.135+/-0.290 χ^2/NDF: 1555762.9/47

All: 2279.242+/-0.204 χ^2/NDF: 2726906.7/98

- sign 2275.422+/-0.288 χ^2/NDF: 1170787.7/50

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: -175.404+/-753.736 χ^2/NDF: 34.8/27

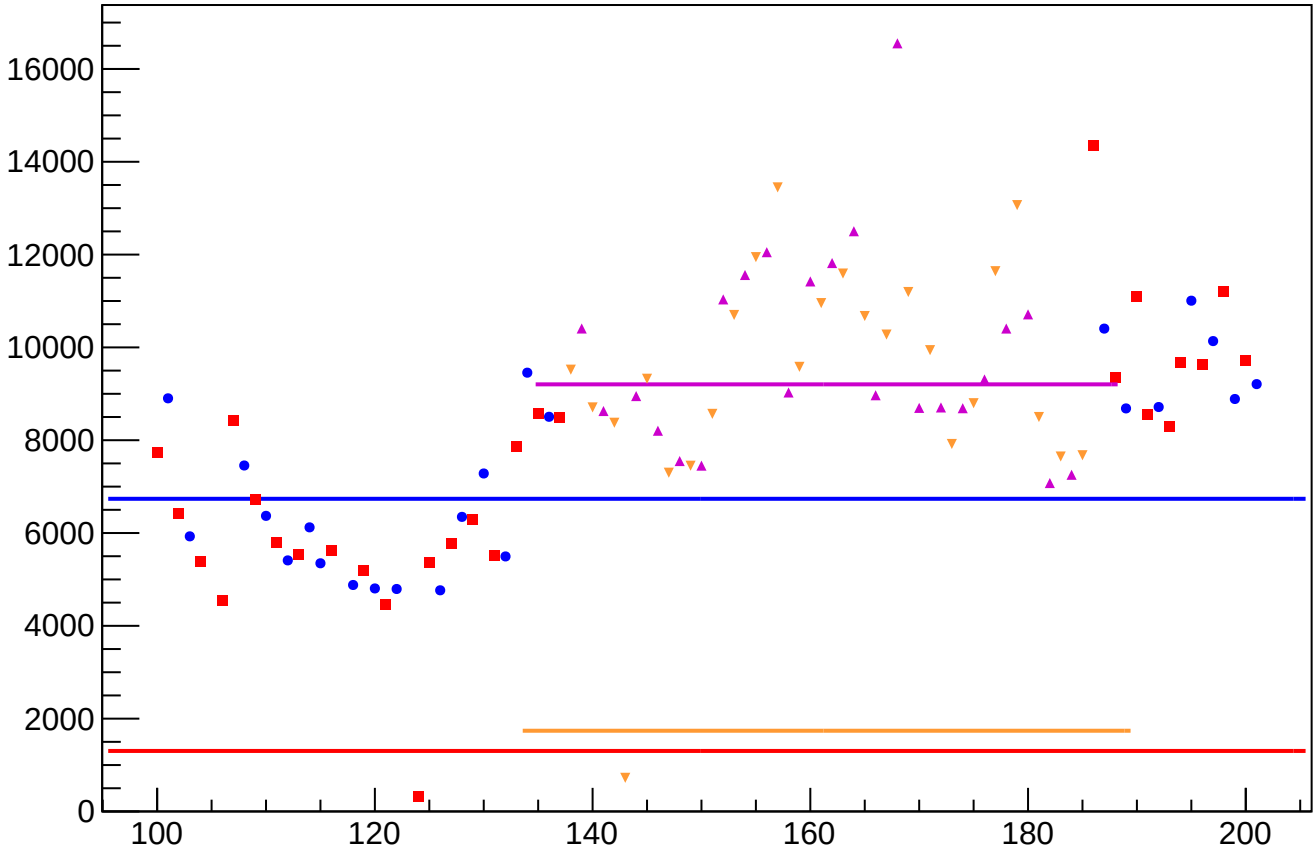
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1042.017+/-708.496 χ^2/NDF: 56.1/47

All: -591.209+/-502.525 χ^2/NDF: 105.2/98

- sign -134.807+/-712.879 χ^2/NDF: 48.3/50

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

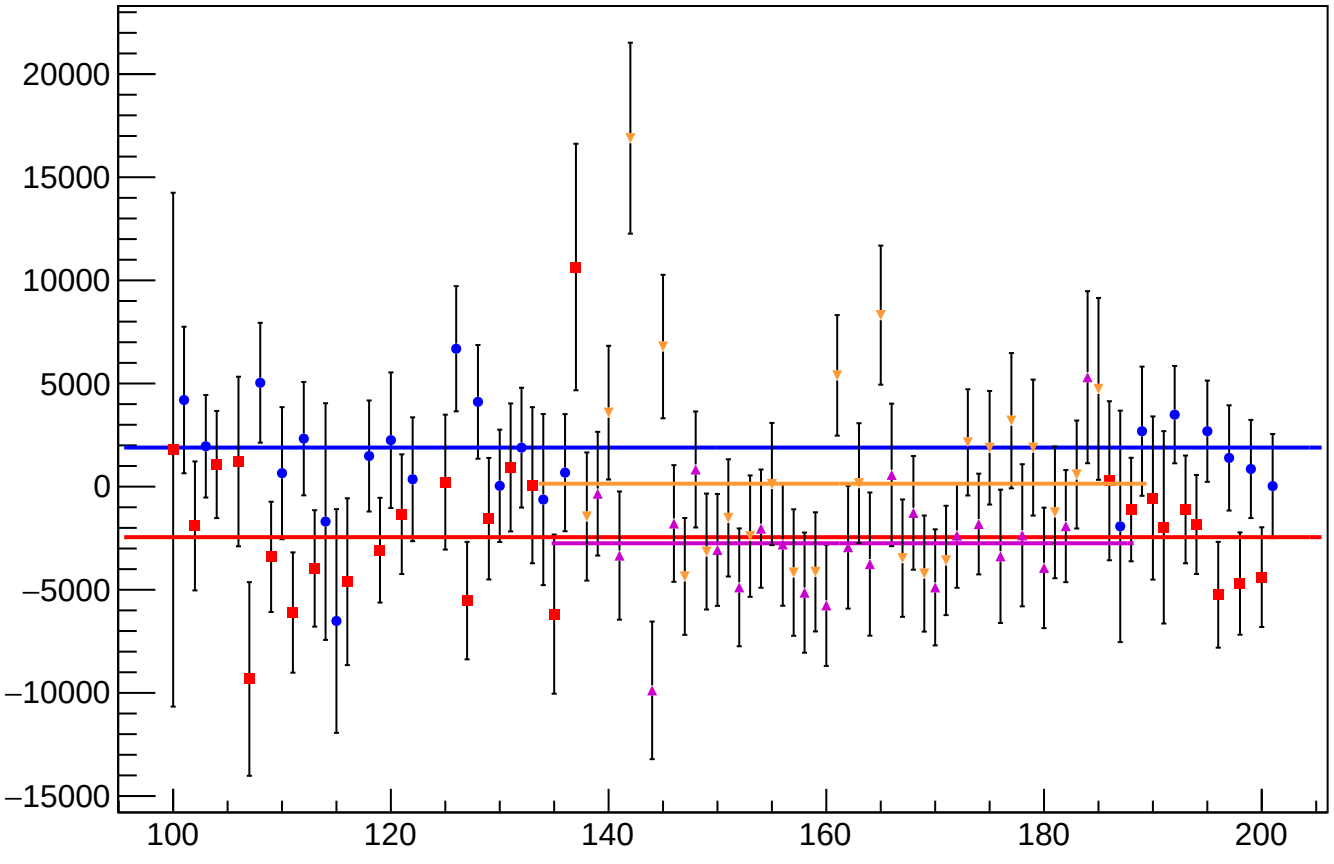
Right Out: 1303.917+/-0.533 χ^2/NDF: 20998853.8/27

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2367.889+/-0.501 χ^2/NDF: 40468747.1/47

All: 2253.223+/-0.355 χ^2/NDF: 86017328.1/9

- sign 2137.134+/-0.504 χ^2/NDF: 45443157.6/50



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: -2450.598+/-595.203 χ^2/NDF: 20.7/26

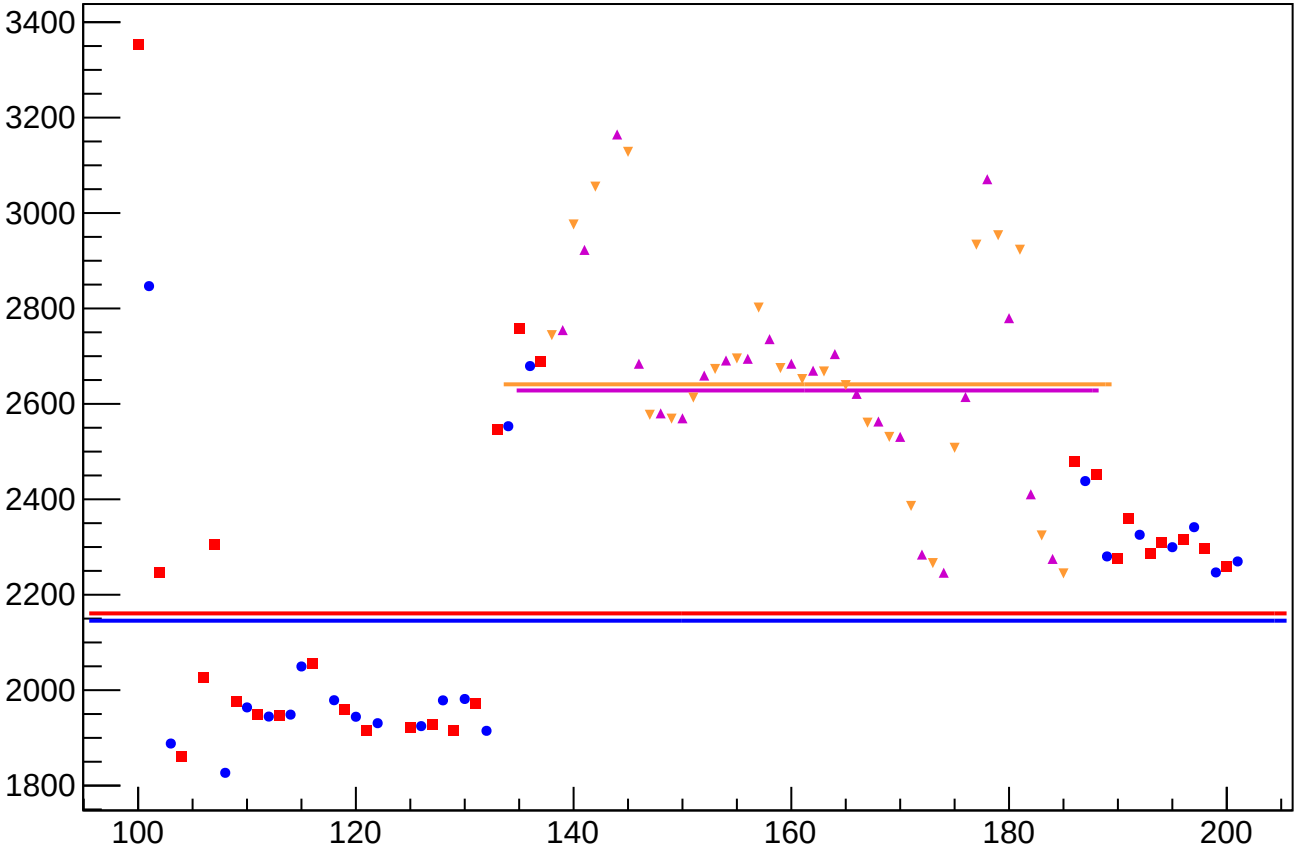
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1018.212+/-435.382 χ^2/NDF: 60.7/46

All: -818.041+/-305.246 χ^2/NDF: 132.0/96

- sign -2593.191+/-428.077 χ^2/NDF: 36.3/49

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: 2160.886+/-0.420 χ^2/NDF: 315097.4/26

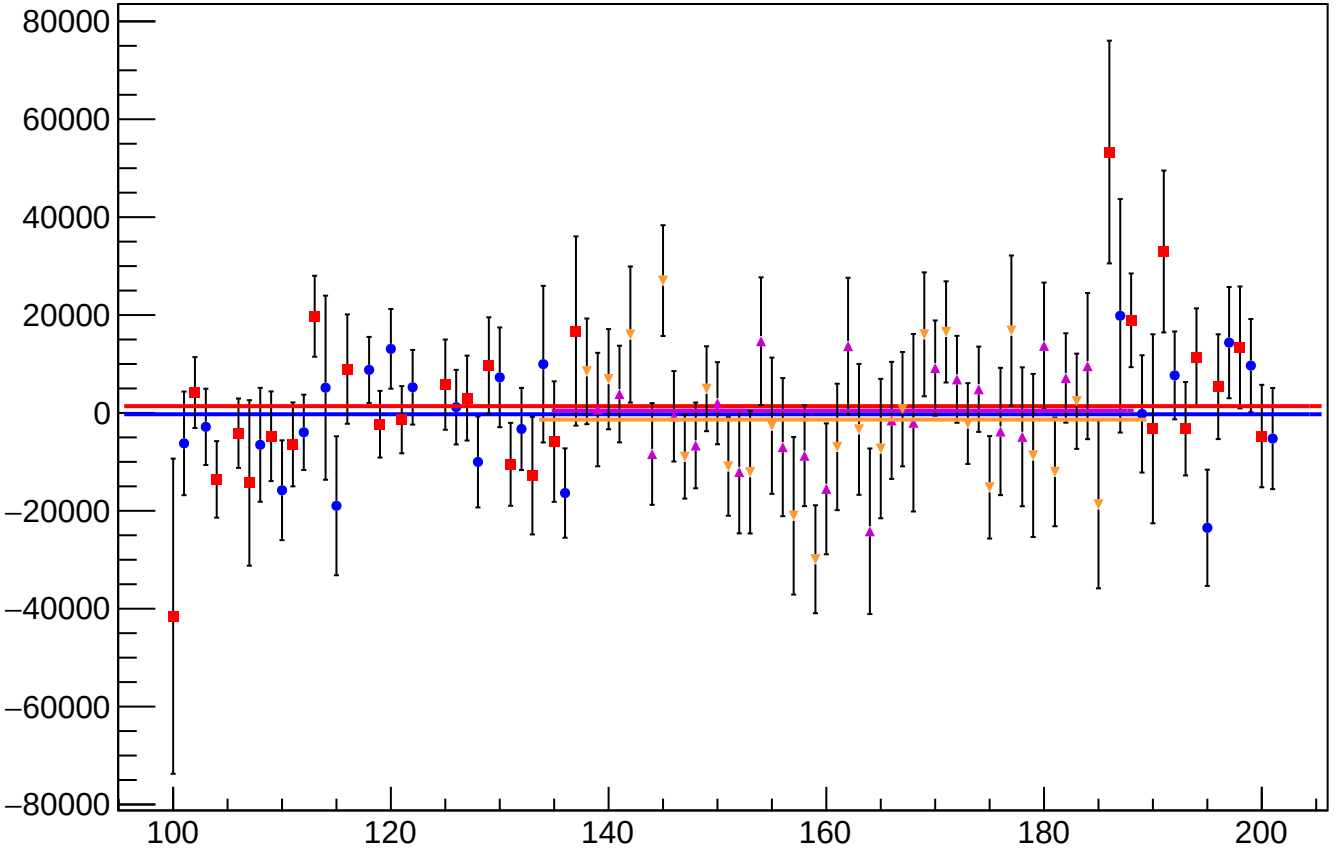
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2393.290+/-0.308 χ^2/NDF: 1246466.8/46

All: 2389.695+/-0.216 χ^2/NDF: 2394785.4/96

- sign 2386.223+/-0.303 χ^2/NDF: 1148050.5/49

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: 1385.728+/-1888.112 χ^2/NDF: 34.4/26

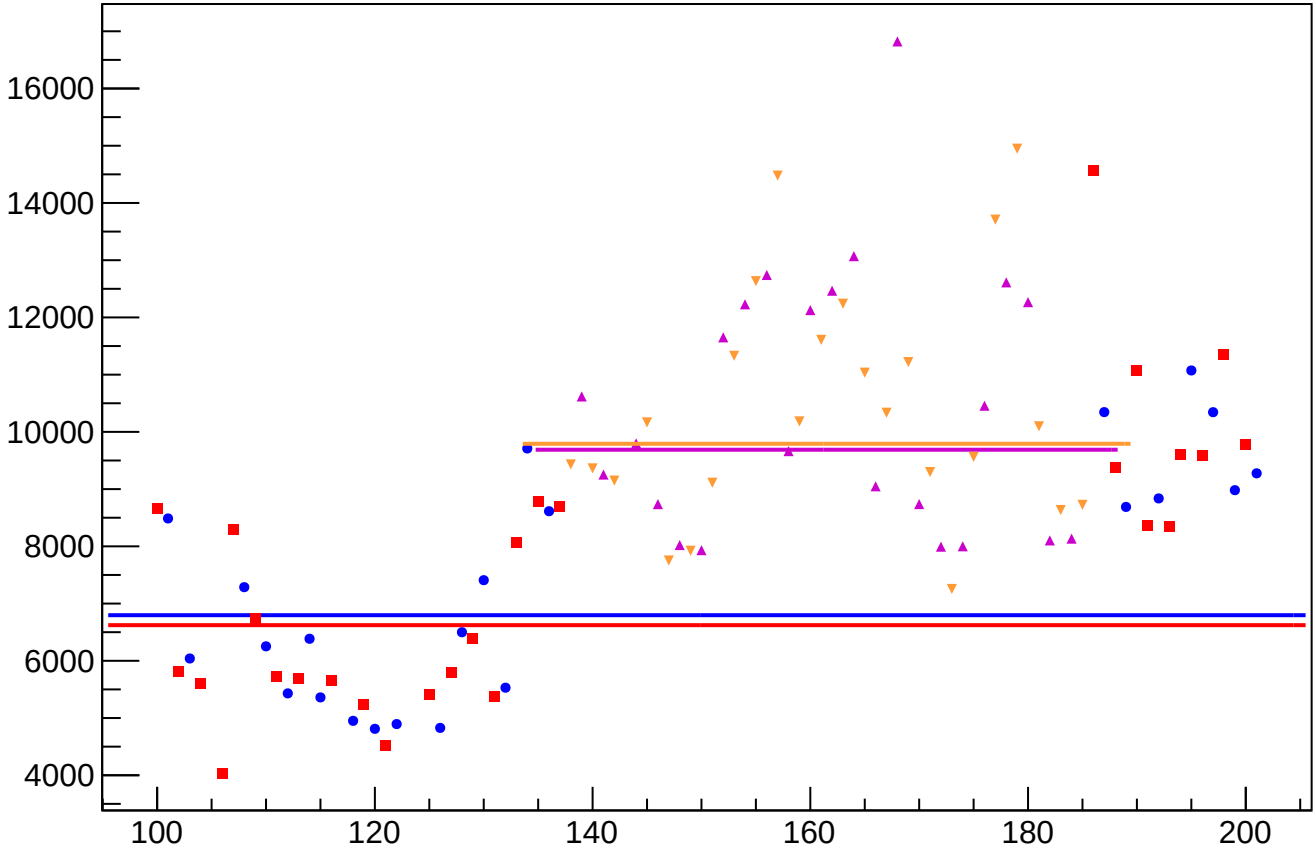
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -741.122+/-1523.039 χ^2/NDF: 55.1/46

All: 173.426+/-1055.098 χ^2/NDF: 103.4/96

- sign 1017.333+/-1463.037 χ^2/NDF: 47.6/49

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

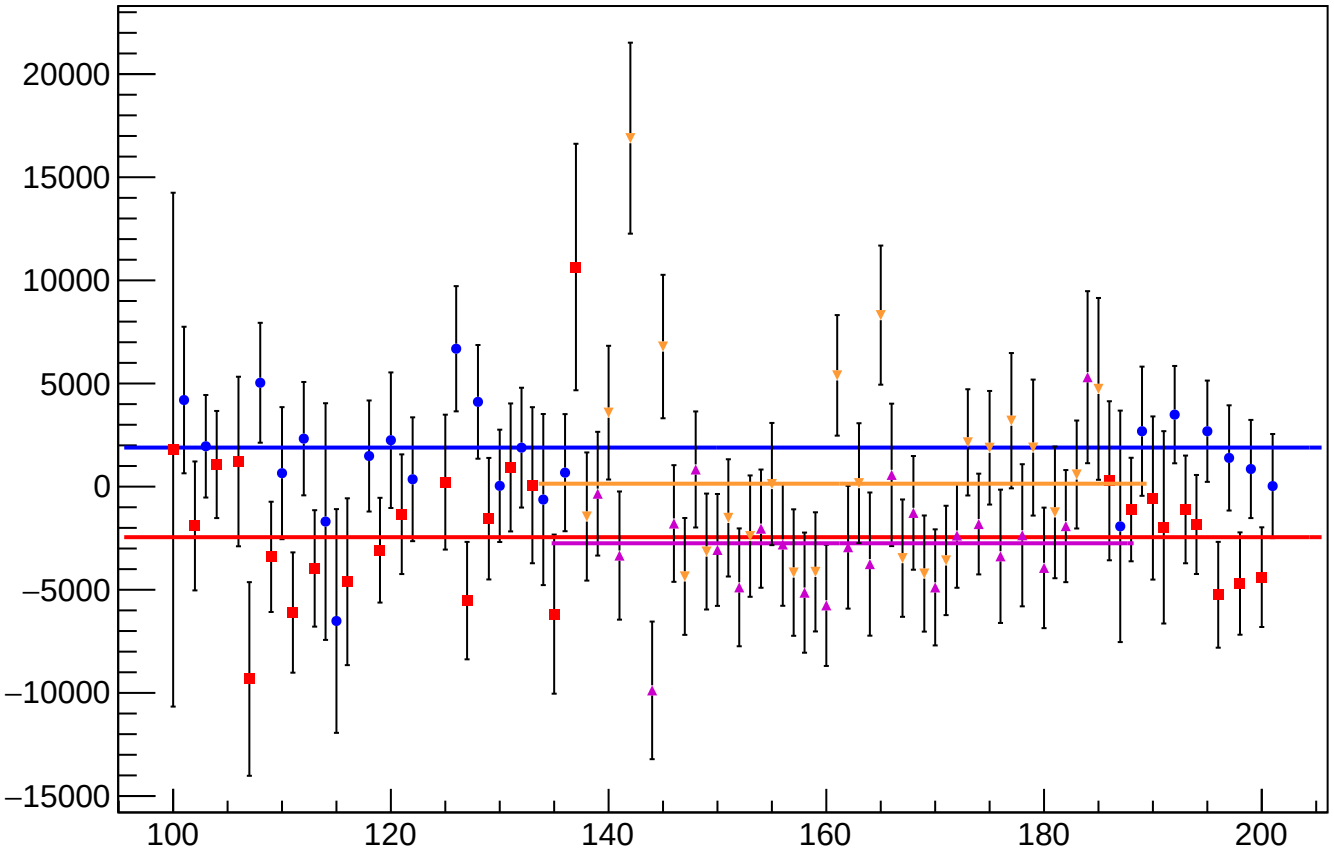
Right Out: 6622.758+/-1.335 χ^2/NDF: 2298696.8/26

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8080.751+/-1.077 χ^2/NDF: 4876975.2/46

All: 7959.514+/-0.746 χ^2/NDF: 10684699.8/9

- sign 7847.641+/-1.035 χ^2/NDF: 5783357.3/49



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: -2450.599+/-595.203 χ^2/NDF: 20.7/26

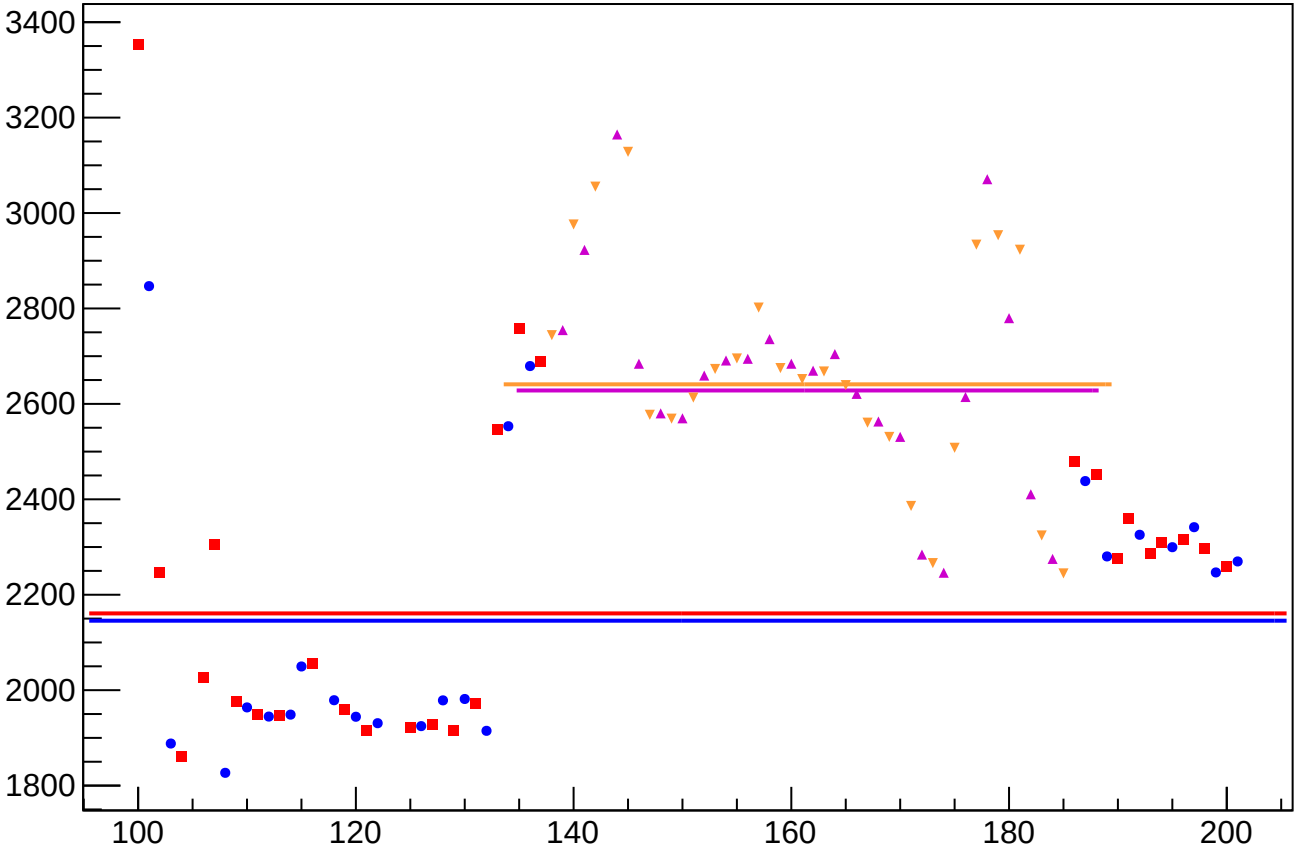
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1018.208+/-435.382 χ^2/NDF: 60.7/46

All: -818.043+/-305.246 χ^2/NDF: 132.0/96

- sign -2593.190+/-428.077 χ^2/NDF: 36.3/49

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

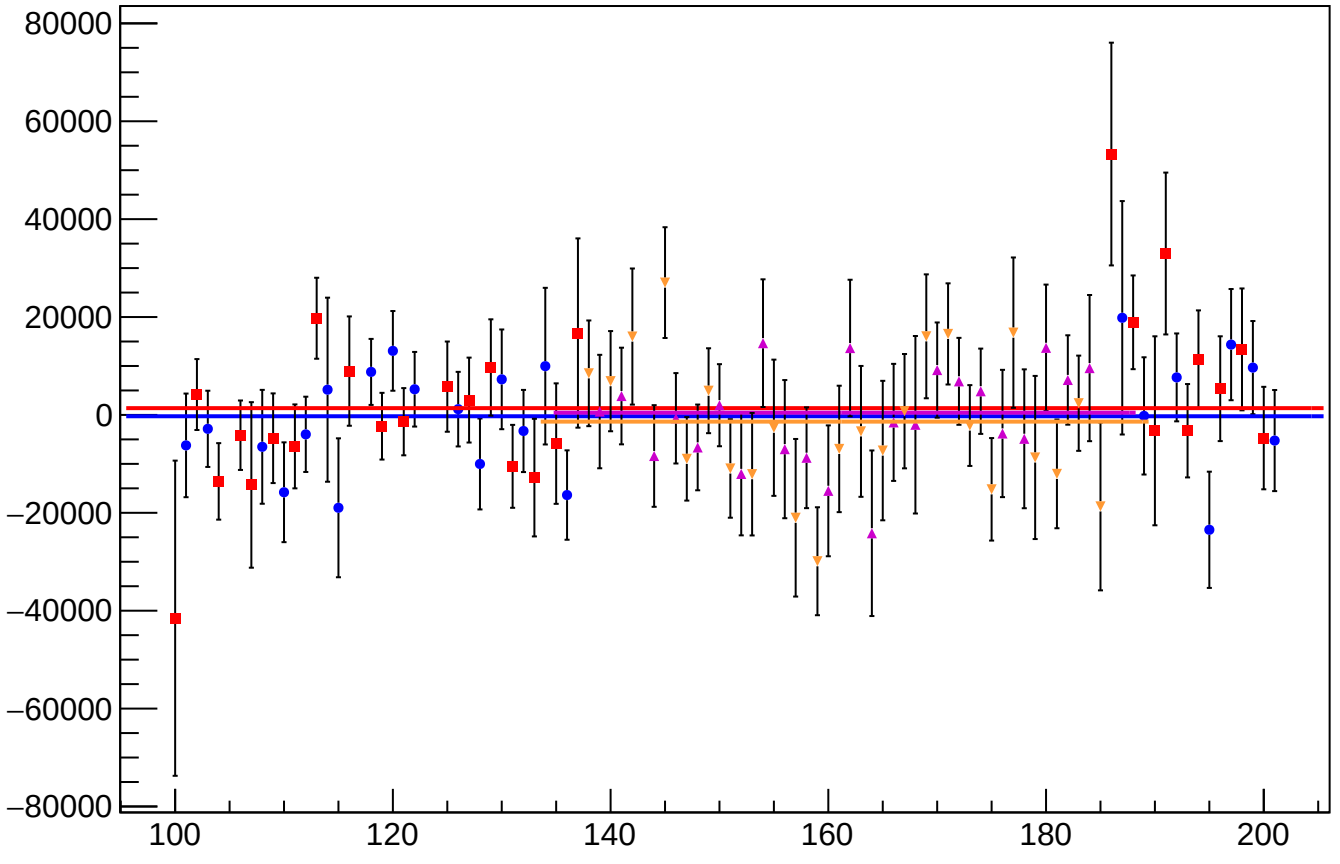
Right Out: 2160.886+/-0.420 χ^2/NDF: 315097.9/26

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2393.291+/-0.308 χ^2/NDF: 1246481.3/46

All: 2389.696+/-0.216 χ^2/NDF: 2394814.4/96

- sign 2386.224+/-0.303 χ^2/NDF: 1148065.1/49



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: 1385.716+/-1888.109 χ^2/NDF: 34.4/26

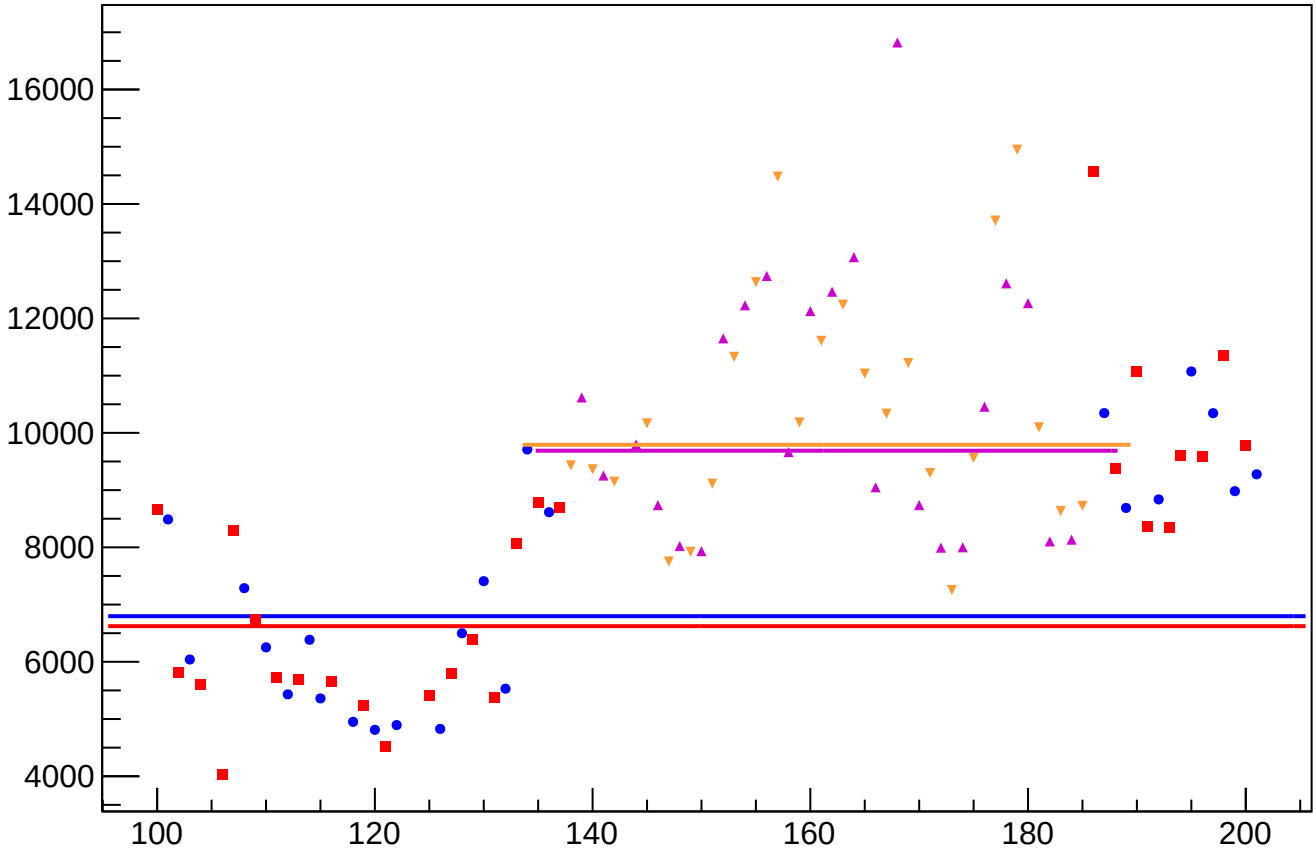
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -741.120+/-1523.038 χ^2/NDF: 55.1/46

All: 173.424+/-1055.097 χ^2/NDF: 103.4/96

- sign 1017.329+/-1463.036 χ^2/NDF: 47.6/49

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: 6622.742+/-1.335 χ^2/NDF: 2298720.3/26

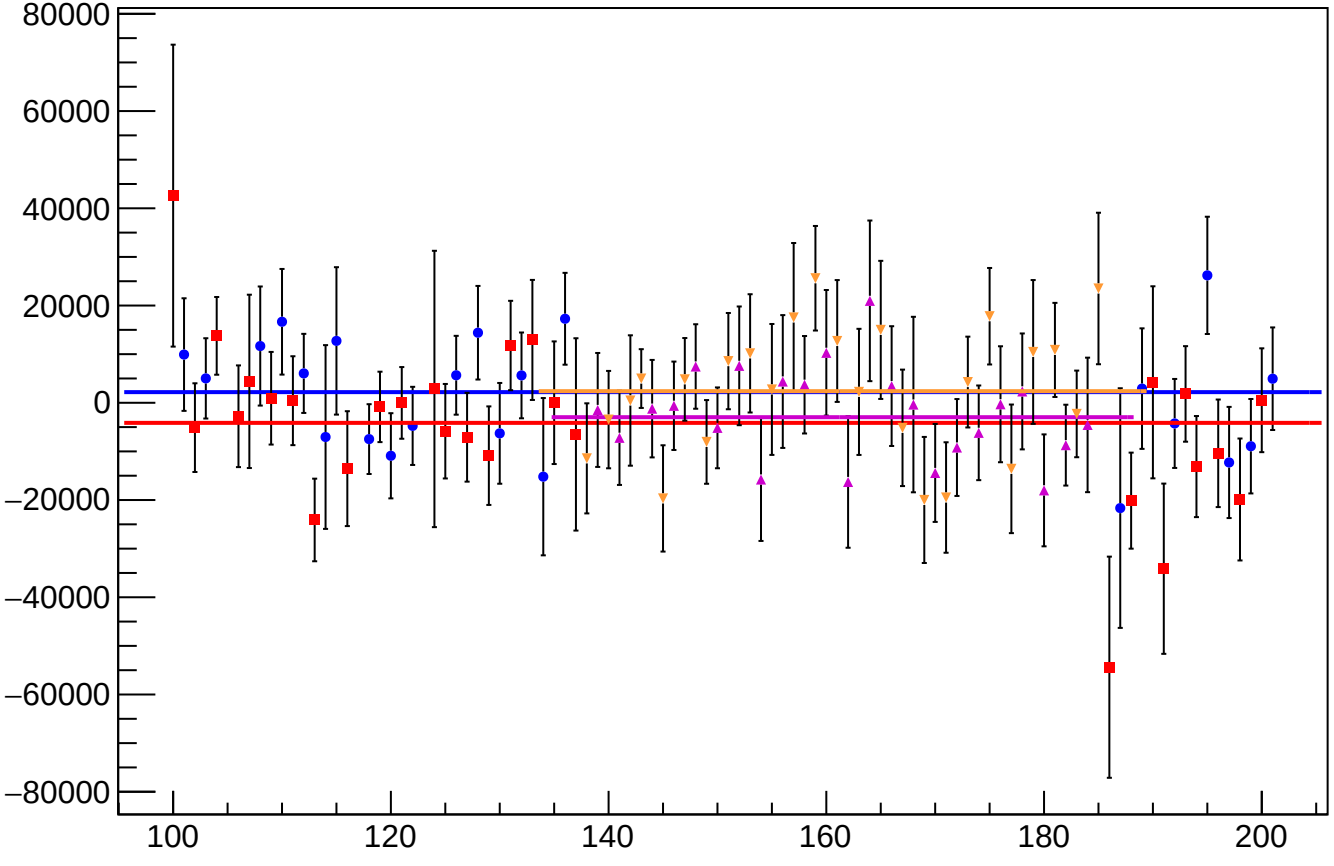
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8080.742+/-1.077 χ^2/NDF: 4877046.3/46

All: 7959.505+/-0.746 χ^2/NDF: 10684838.2/9

- sign 7847.632+/-1.035 χ^2/NDF: 5783424.7/49

asym_atl2_mean vs Slug



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: -4130.378+/-2023.631 χ^2/NDF: 34.2/27

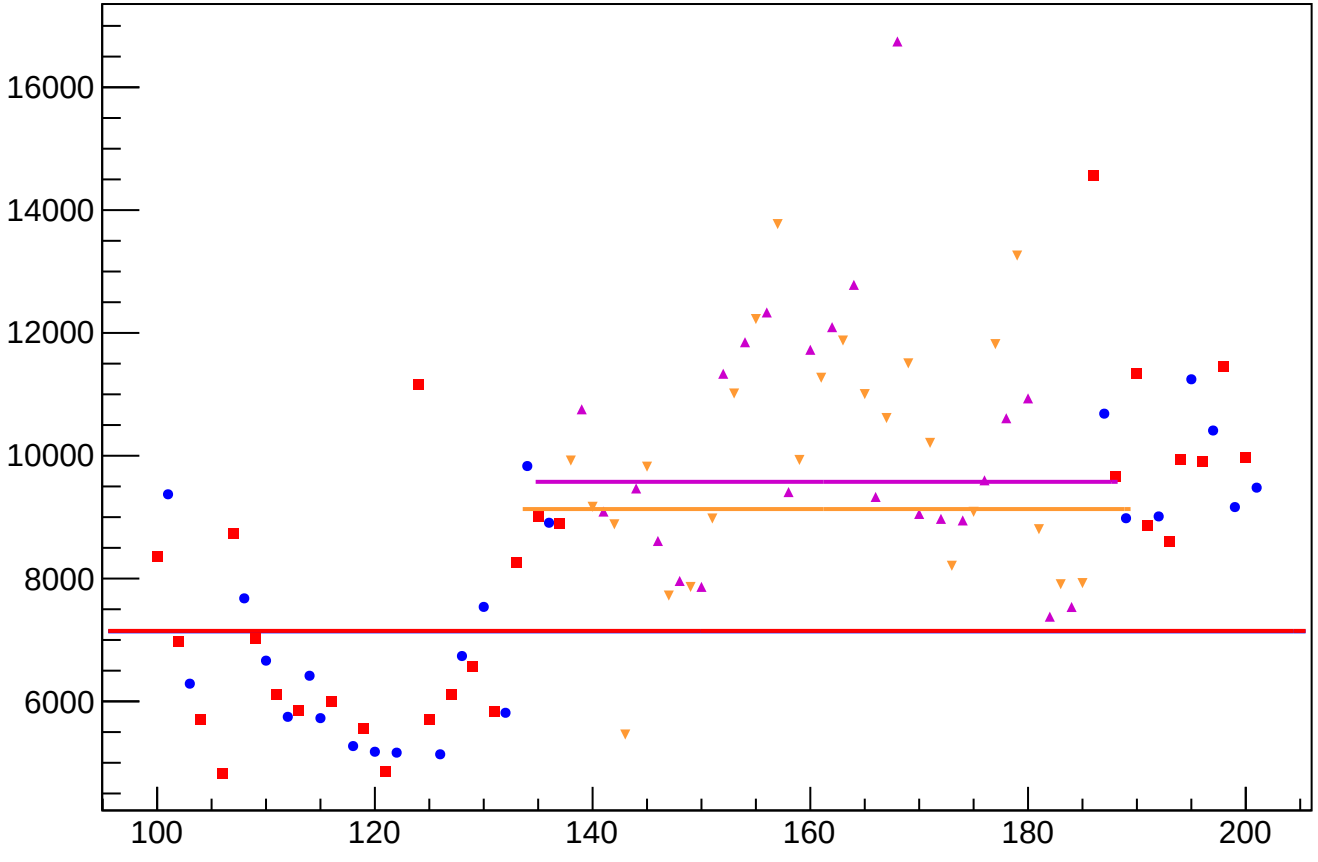
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2287.980+/-1500.872 χ^2/NDF: 53.1/47

All: -639.902+/-1065.597 χ^2/NDF: 108.2/98

- sign -3615.950+/-1513.167 χ^2/NDF: 47.4/50

asym_atl2_rms vs Slug



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: 7147.687+/-1.431 χ^2/NDF: 1937071.2/27

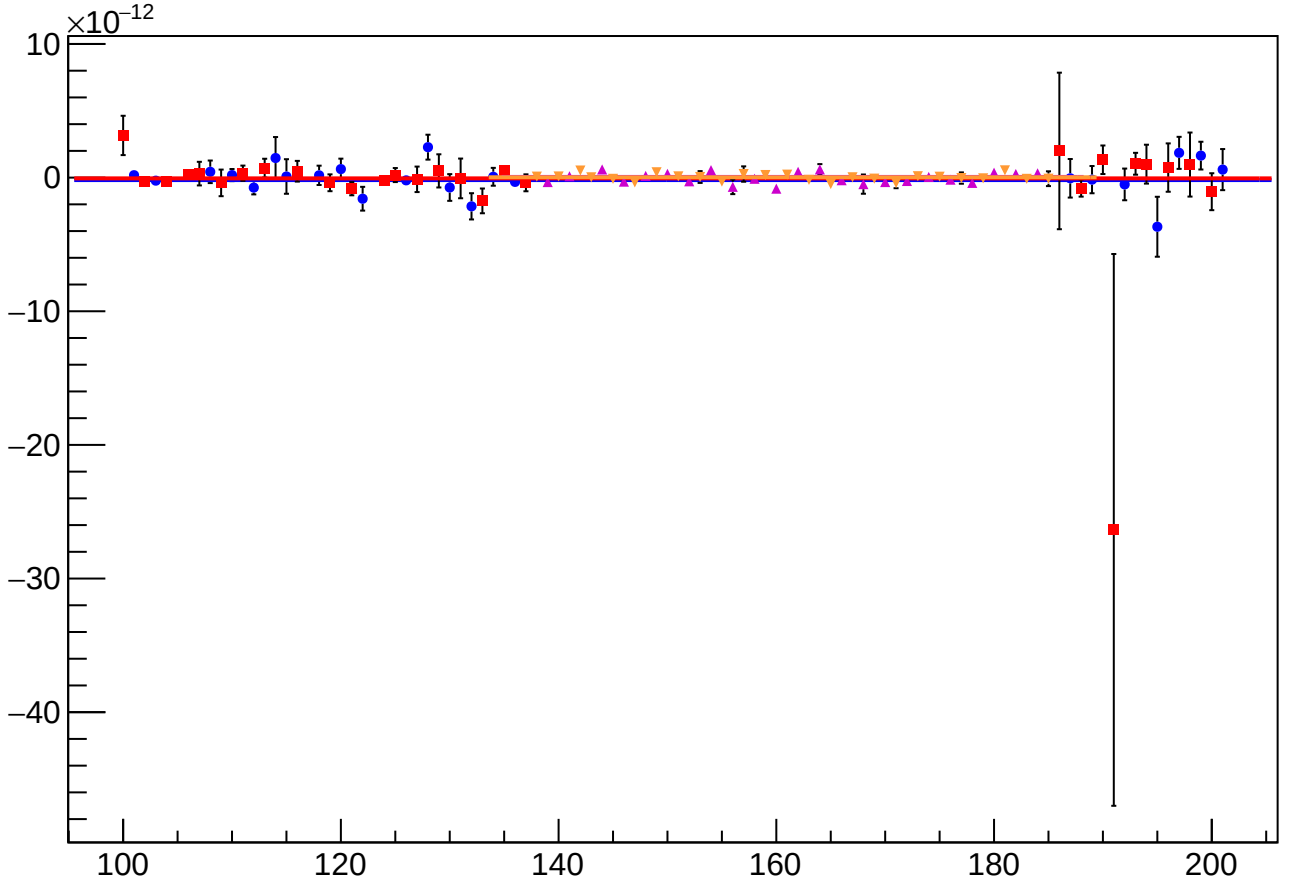
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8122.959+/-1.061 χ^2/NDF: 4279458.4/47

All: 8170.053+/-0.753 χ^2/NDF: 8643169.2/98

- sign 8217.922+/-1.070 χ^2/NDF: 4359740.1/50

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: 28.9/27

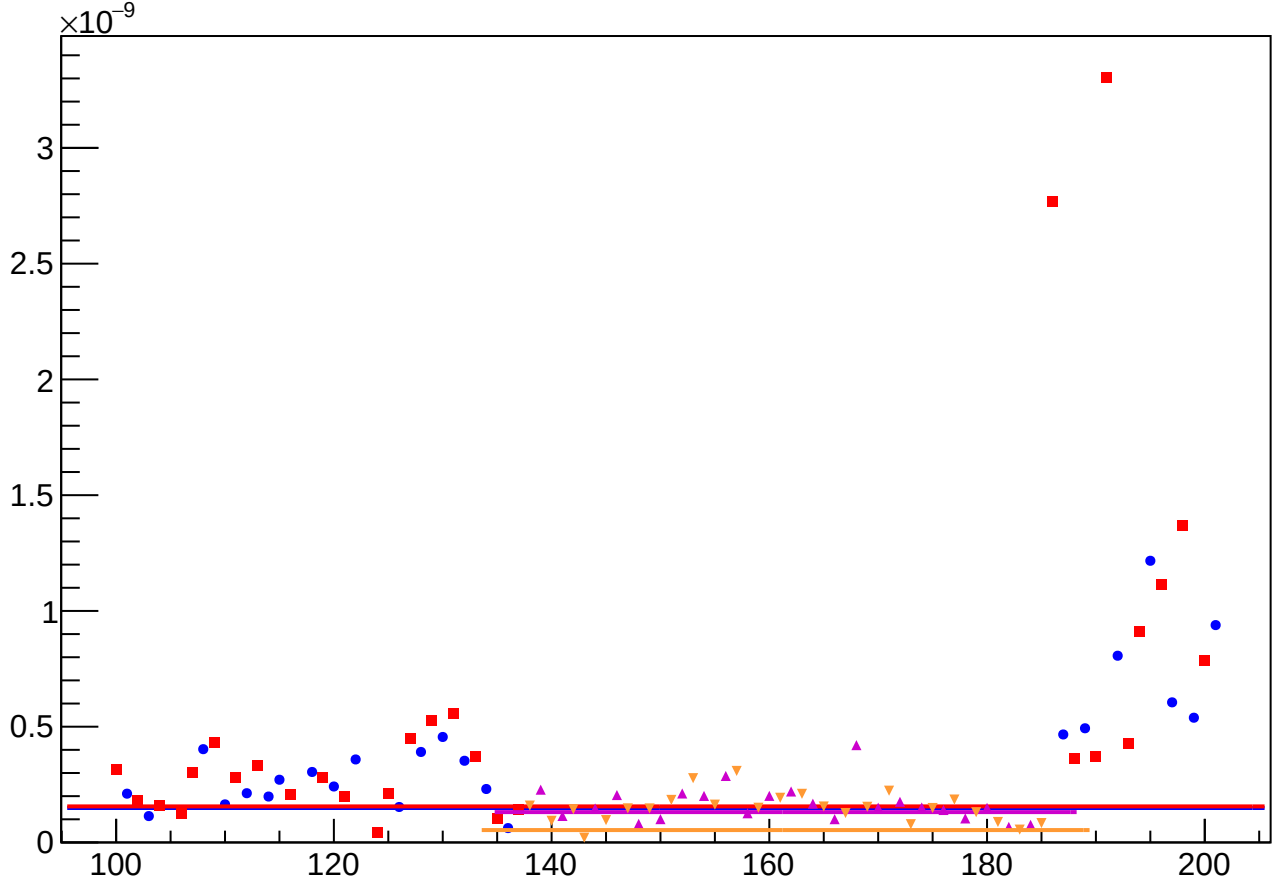
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.2/47

All: 0.000+/-0.000 χ^2/NDF: 118.9/98

- sign 0.000+/-0.000 χ^2/NDF: 66.7/50

asym_atl2_reg_vs_cor_diff_rms vs Slug



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: 5398476.2/27

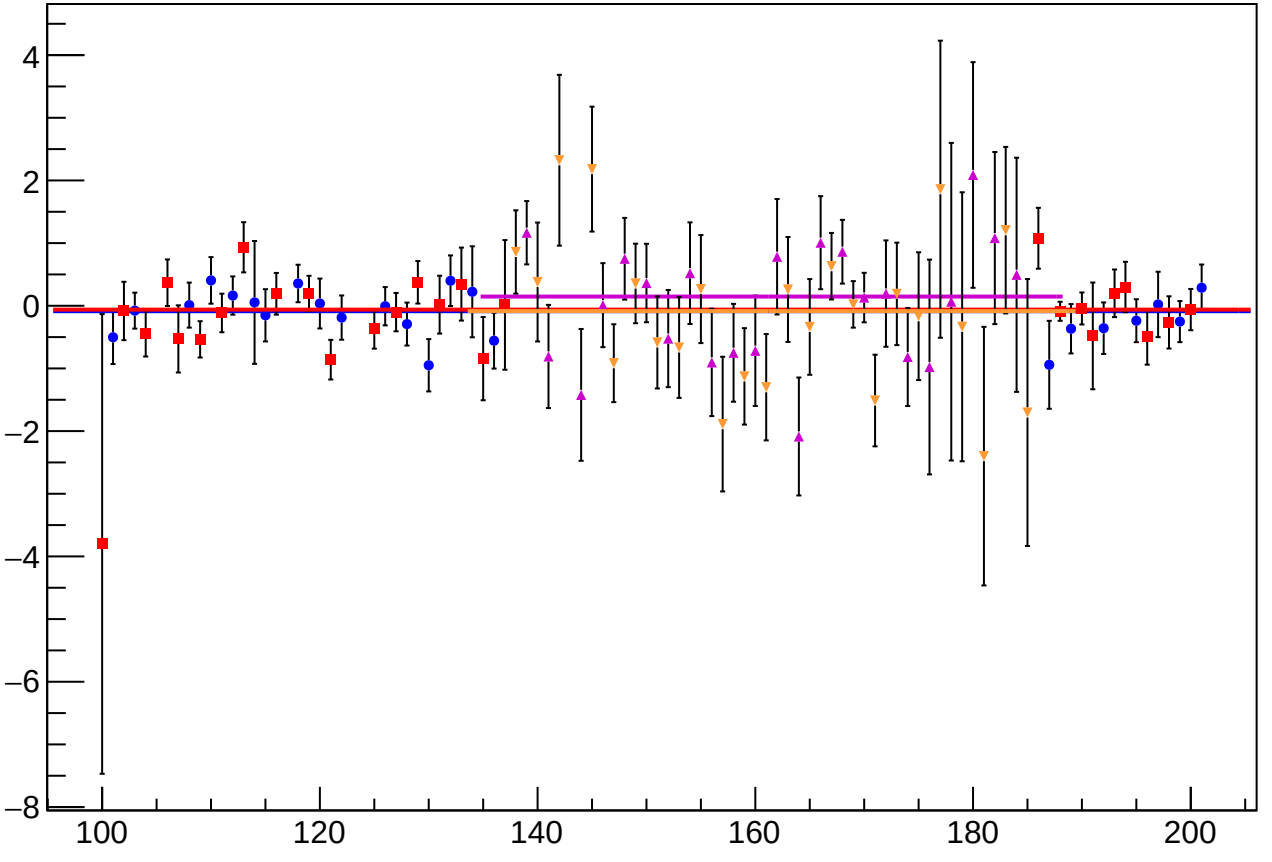
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13437292.2/47

All: 0.000+/-0.000 χ^2/NDF: 24589910.0/98

- sign 0.000+/-0.000 χ^2/NDF: 7406815.4/50

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

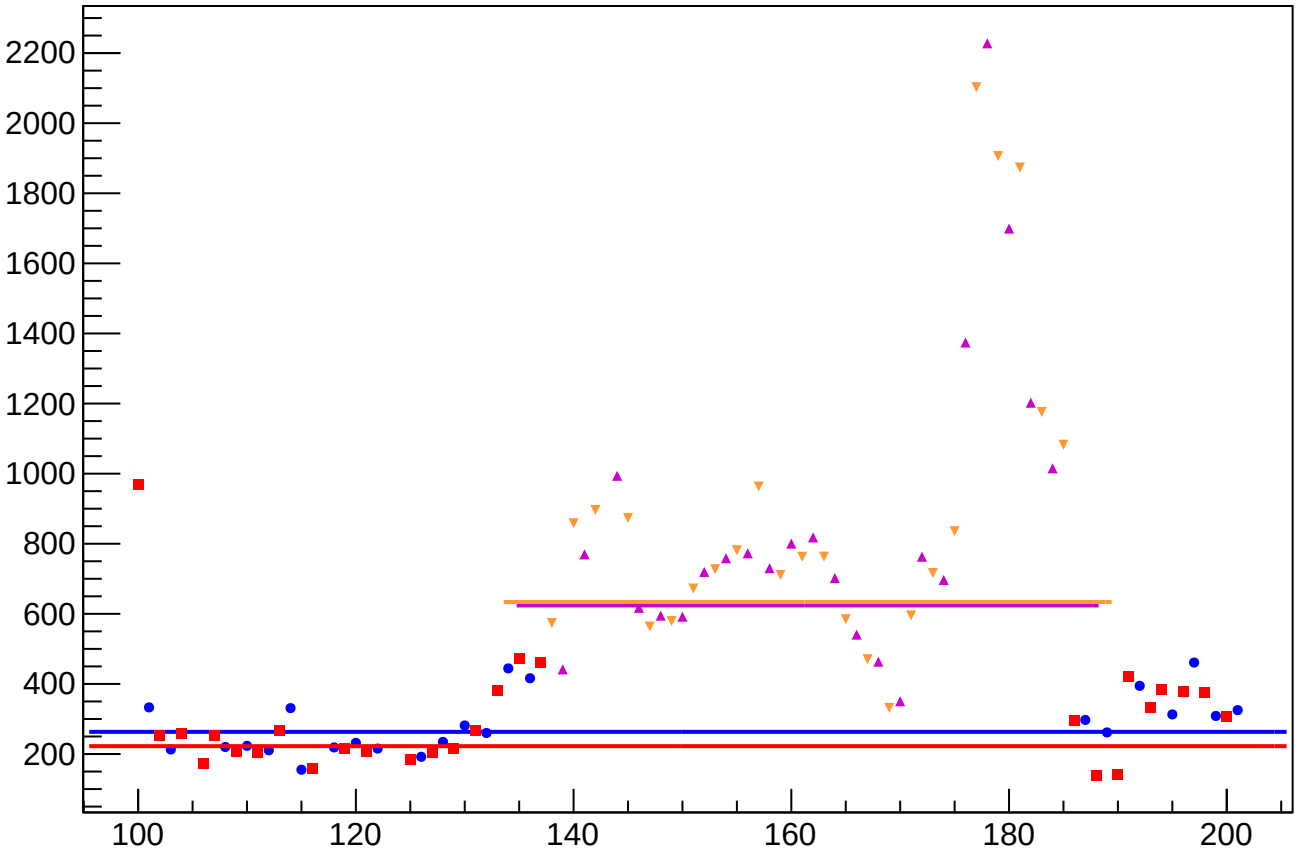
Right Out: -0.062+/-0.067 χ^2/NDF: 33.7/26

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.086+/-0.072 χ^2/NDF: 47.5/46

All: -0.054+/-0.047 χ^2/NDF: 109.4/96

- sign -0.030+/-0.062 χ^2/NDF: 61.6/49



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: 222.463+/-0.048 χ^2/NDF: 2971546.6/26

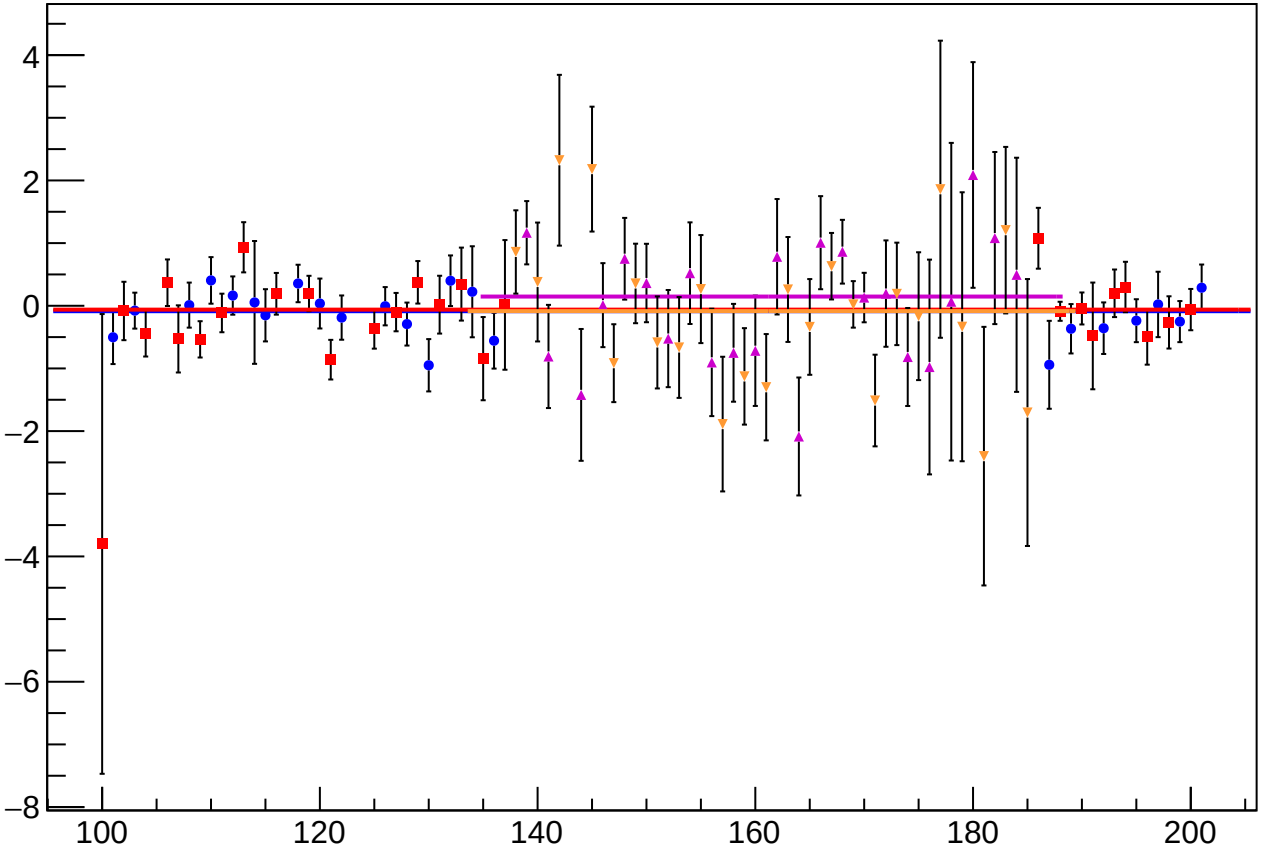
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.107+/-0.051 χ^2/NDF: 15034749.7/46

All: 306.291+/-0.033 χ^2/NDF: 34058871.7/96

- sign 283.971+/-0.044 χ^2/NDF: 18417251.7/49

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: -0.062+/-0.067 χ^2/NDF: 33.7/26

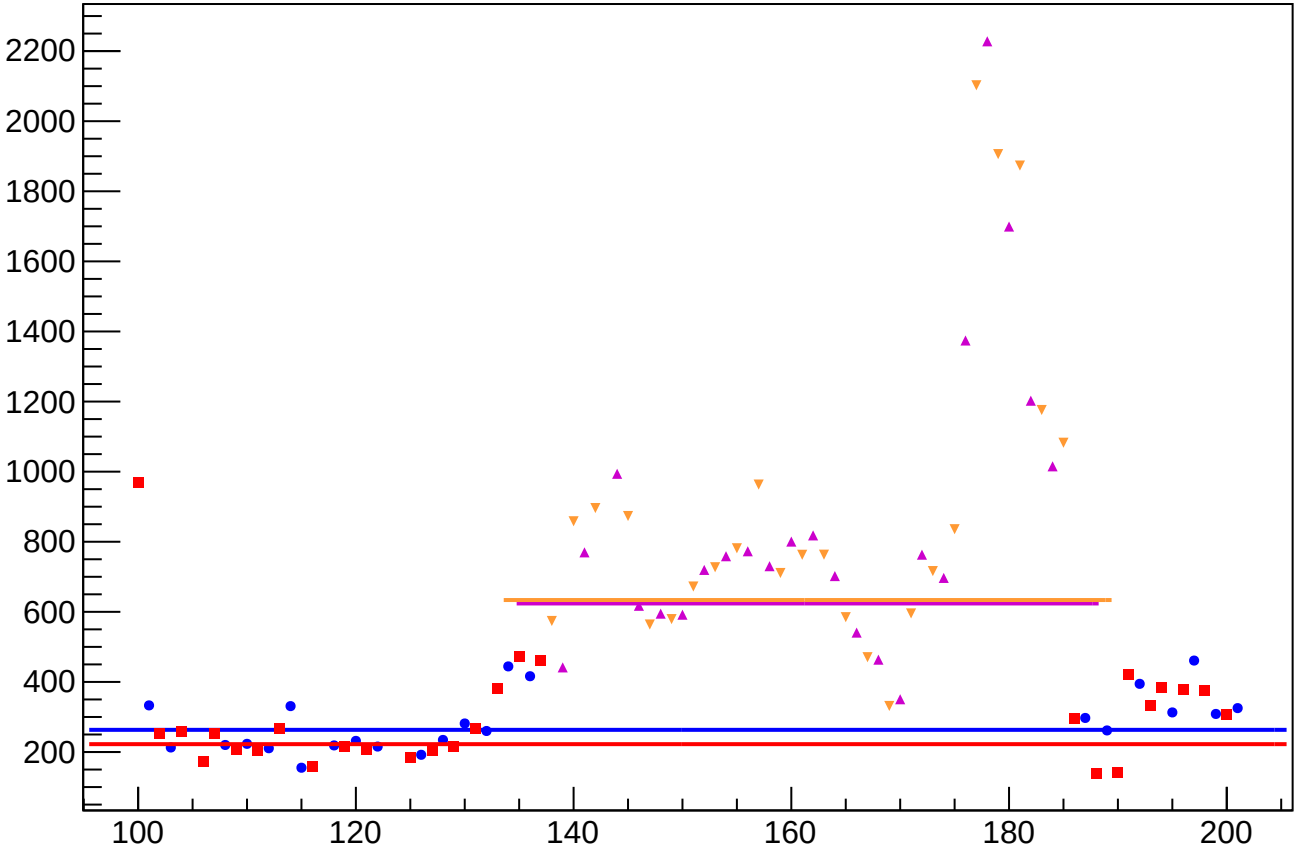
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.086+/-0.072 χ^2/NDF: 47.5/46

All: -0.054+/-0.047 χ^2/NDF: 109.4/96

- sign -0.030+/-0.062 χ^2/NDF: 61.6/49

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

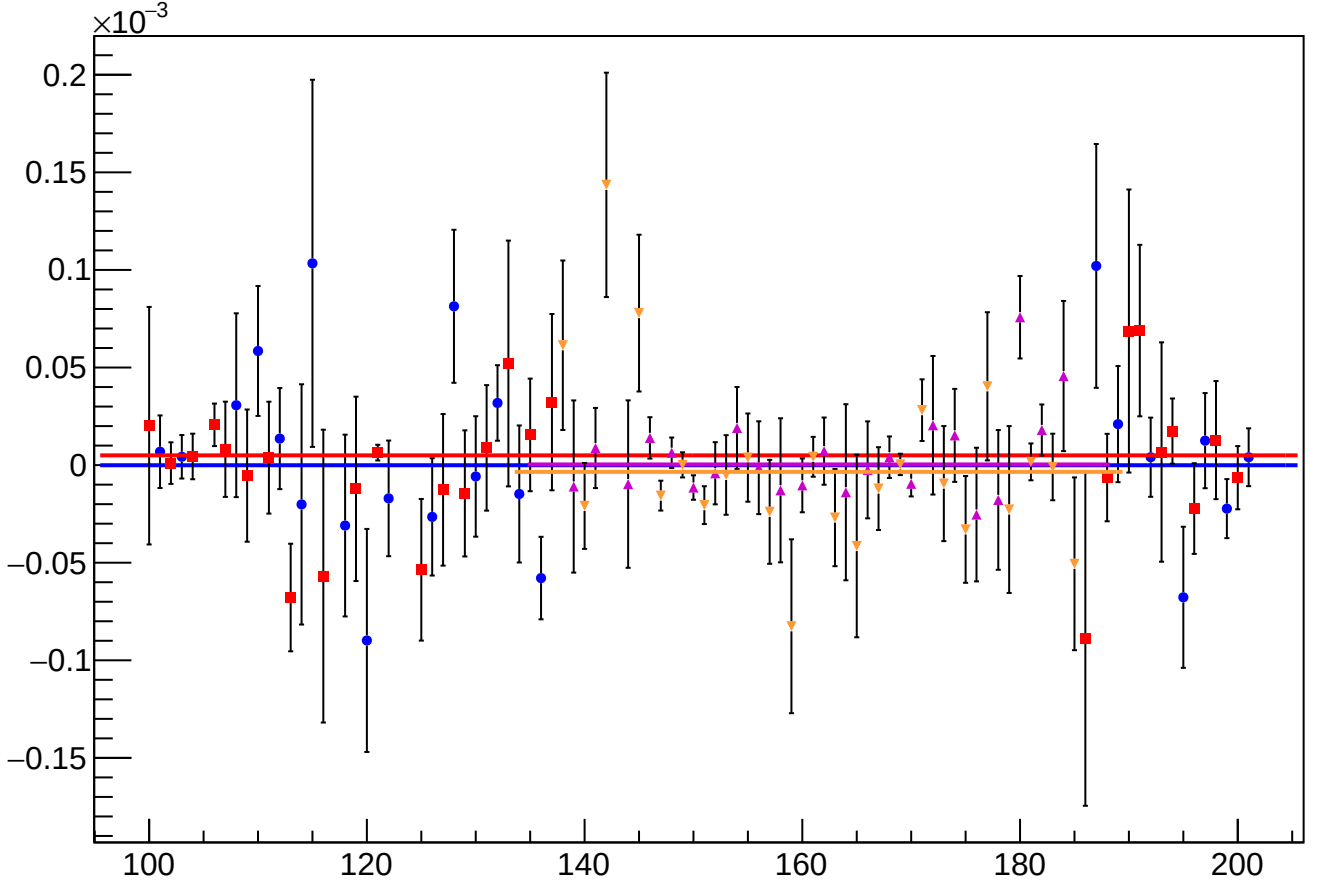
Right Out: 222.463+/-0.048 χ^2/NDF: 2971546.6/26

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.107+/-0.051 χ^2/NDF: 15034749.7/46

All: 306.291+/-0.033 χ^2/NDF: 34058871.7/96

- sign 283.971+/-0.044 χ^2/NDF: 18417251.7/49



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: 21.4/26

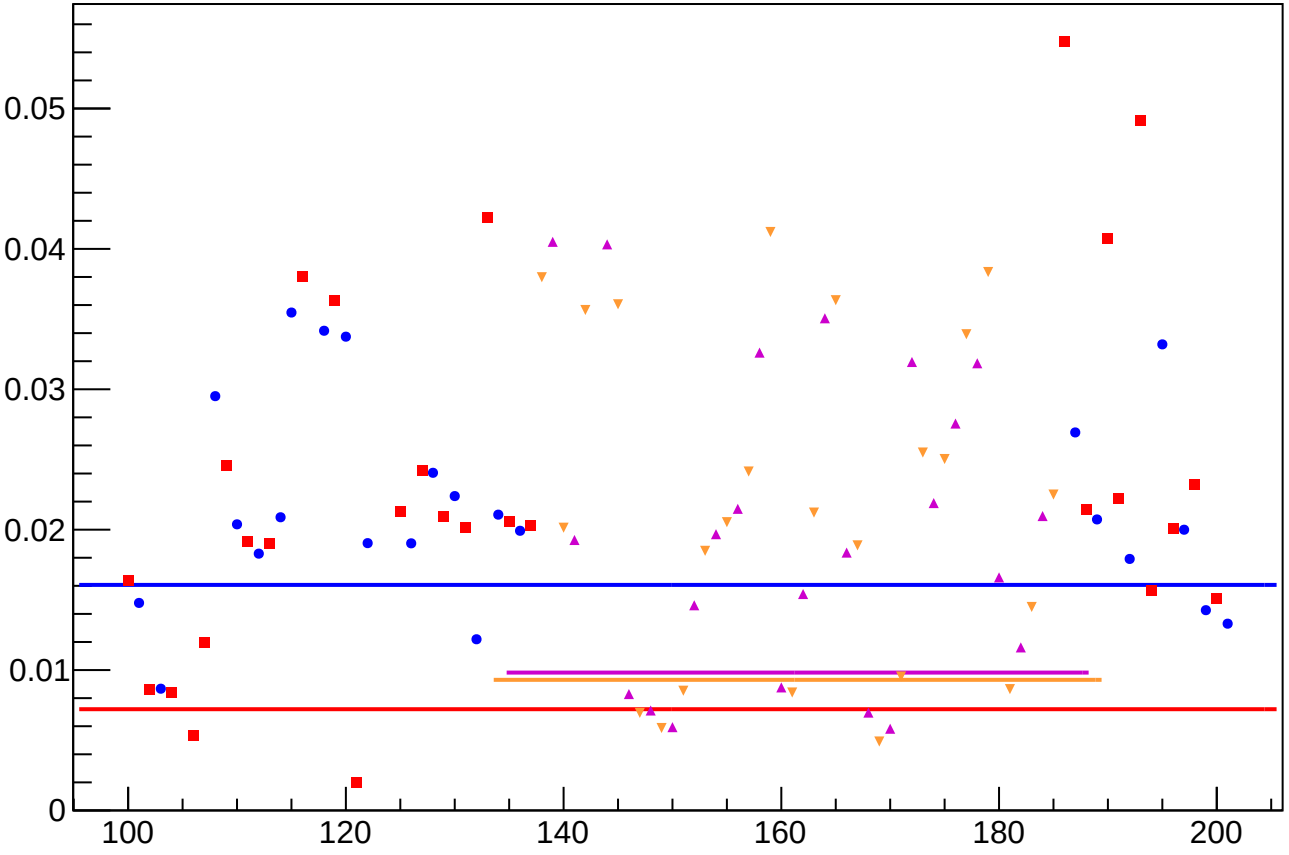
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.0/46

All: 0.000+/-0.000 χ^2/NDF: 121.2/96

- sign 0.000+/-0.000 χ^2/NDF: 50.5/49

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: 13862465.2/26

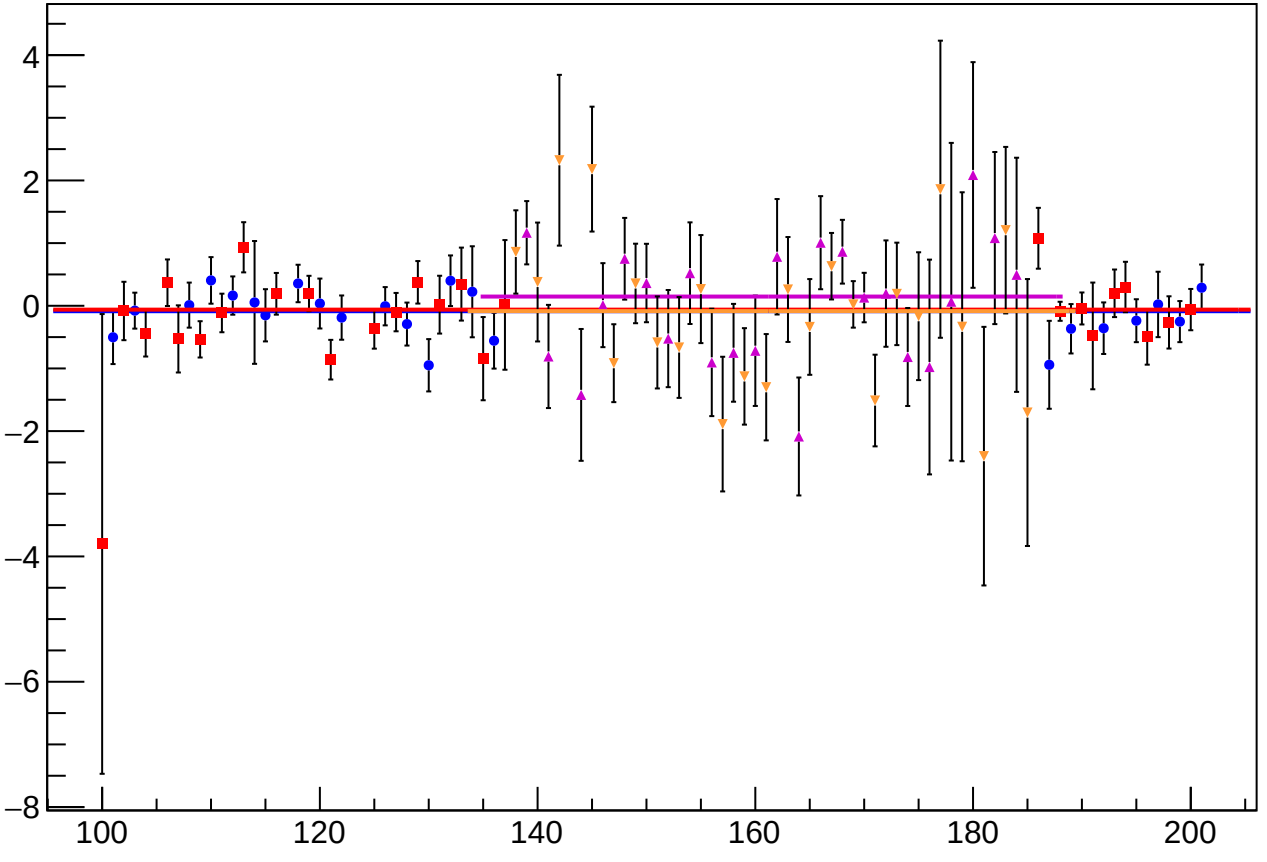
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 17831179.8/46

All: 0.010+/-0.000 χ^2/NDF: 43833663.3/96

- sign 0.009+/-0.000 χ^2/NDF: 24953104.2/49

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: -0.062+/-0.067 χ^2/NDF: 33.7/26

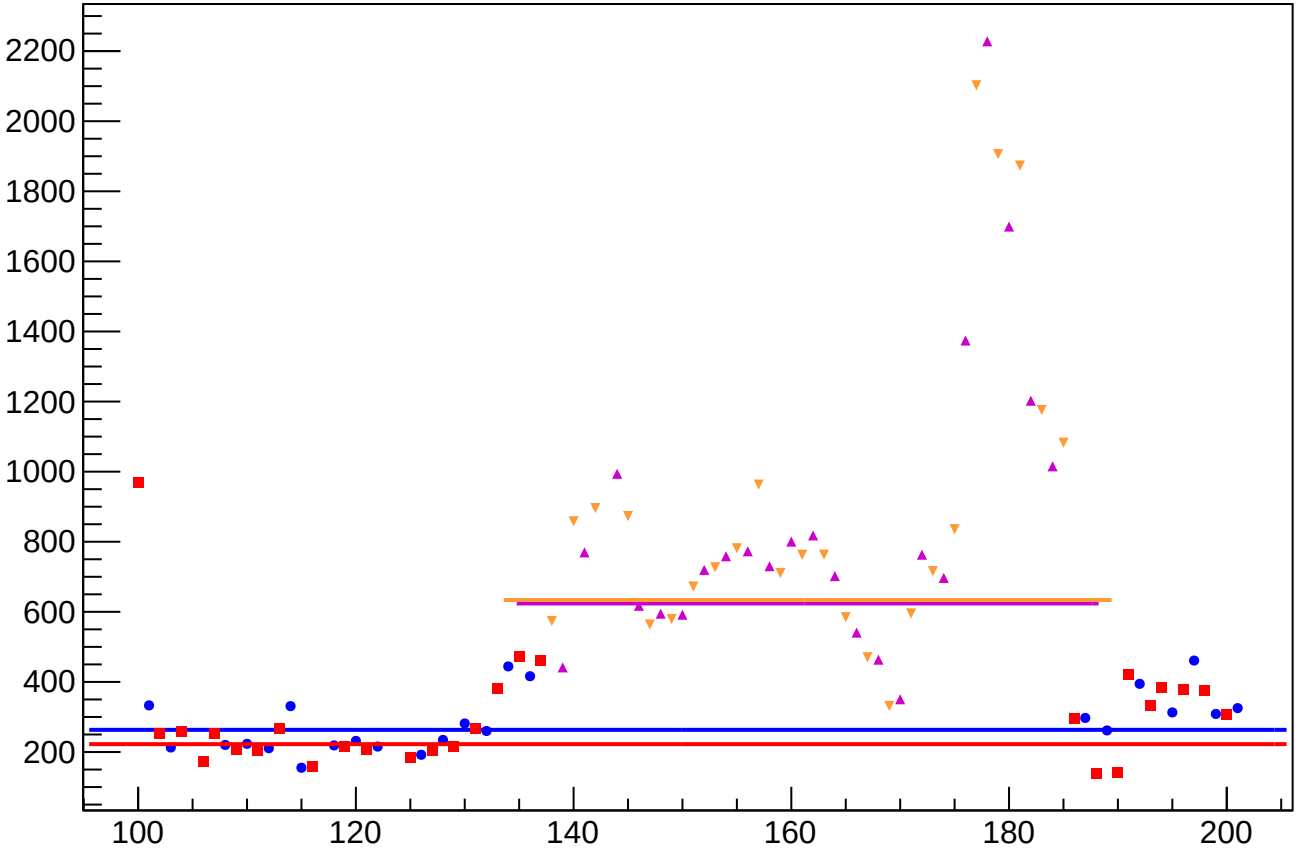
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.086+/-0.072 χ^2/NDF: 47.5/46

All: -0.054+/-0.047 χ^2/NDF: 109.4/96

- sign -0.030+/-0.062 χ^2/NDF: 61.6/49

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

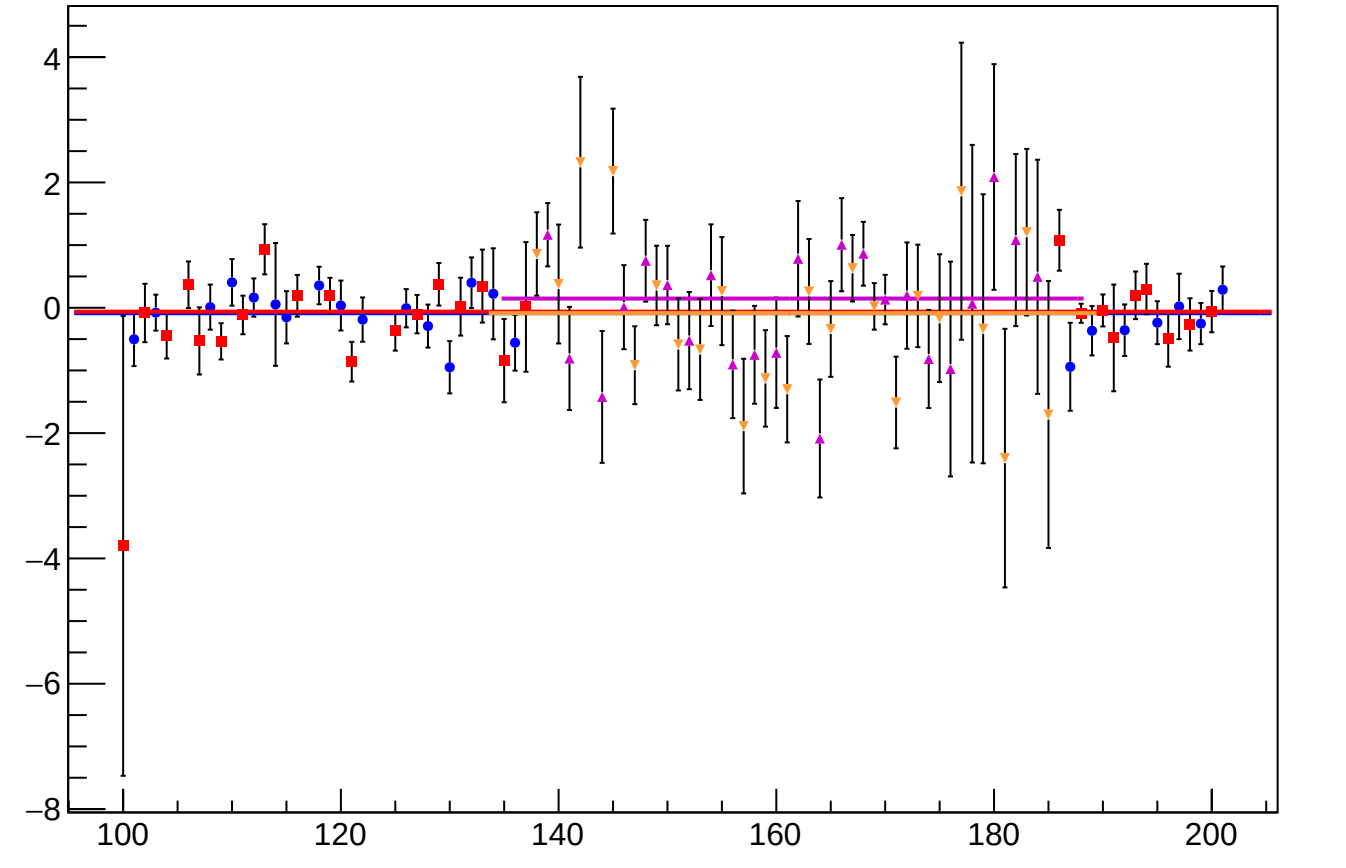
Right Out: 222.461+/-0.048 χ^2/NDF: 2971656.6/26

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.107+/-0.051 χ^2/NDF: 15034807.7/46

All: 306.290+/-0.033 χ^2/NDF: 34059424.7/96

- sign 283.968+/-0.044 χ^2/NDF: 18417658.4/49



Right In: -0.087+/-0.080 χ^2/NDF: 17.2/22

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

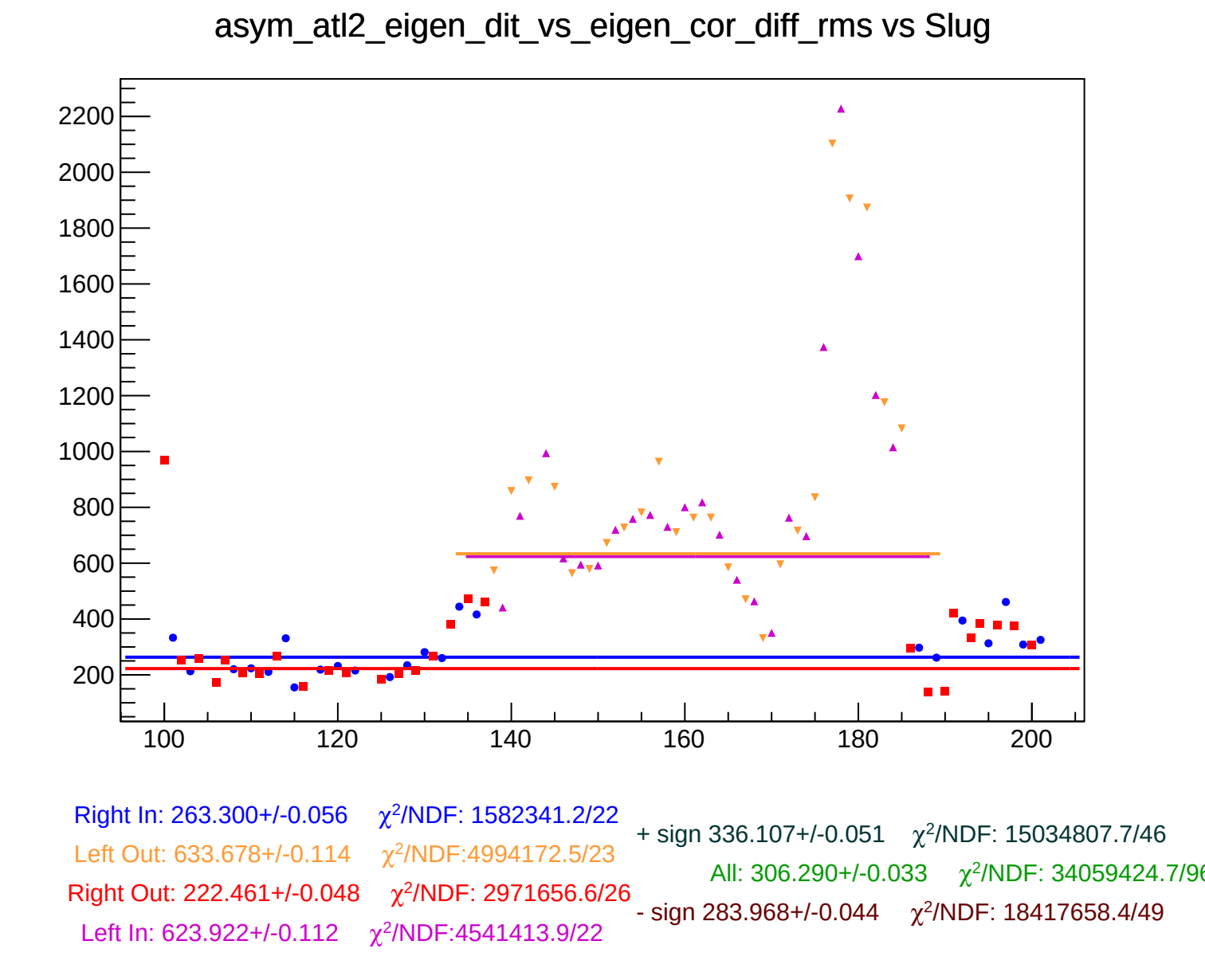
Right Out: -0.062+/-0.067 χ^2/NDF: 33.7/26

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

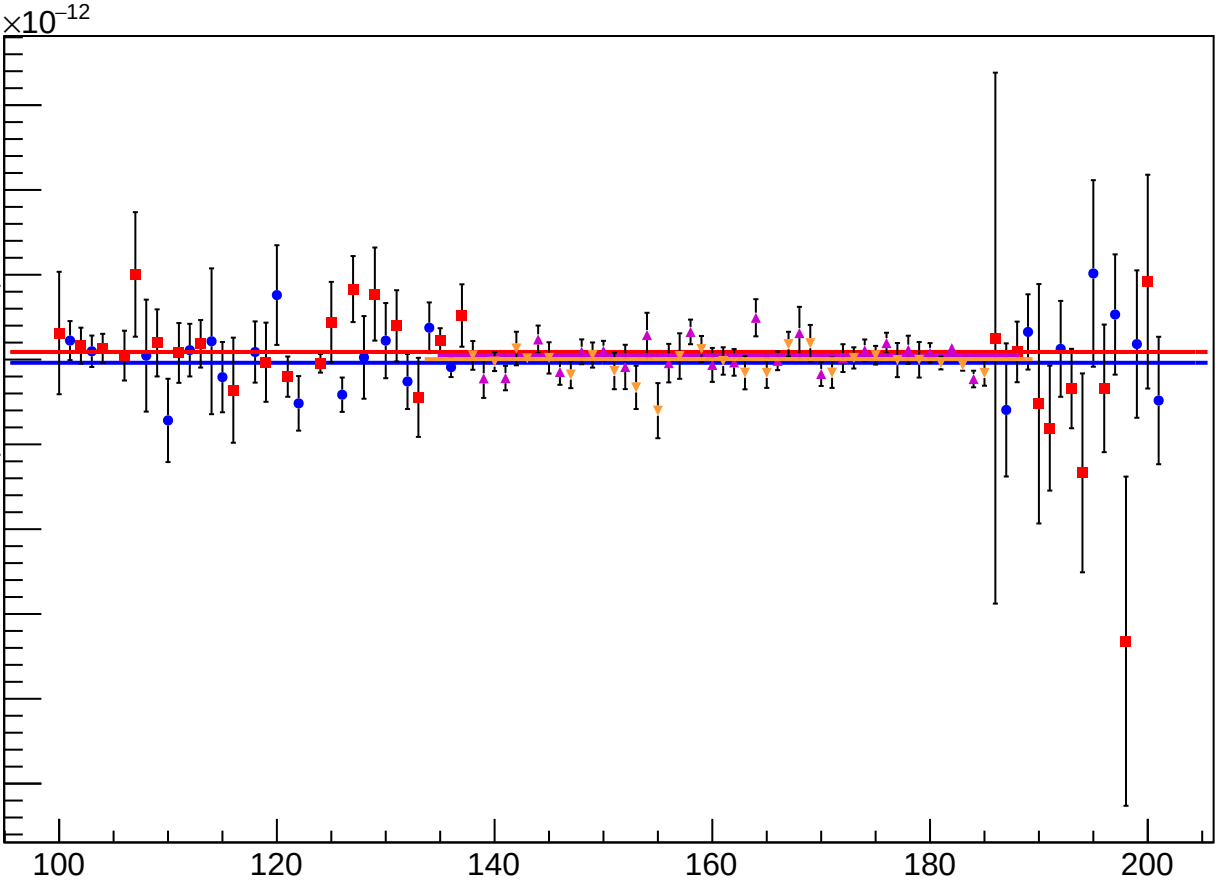
+ sign -0.086+/-0.072 χ^2/NDF: 47.5/46

All: -0.054+/-0.047 χ^2/NDF: 109.4/96

- sign -0.030+/-0.062 χ^2/NDF: 61.6/49


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: 222.461+/-0.048 χ²/NDF: 2971656.6/26
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
+ sign 336.107+/-0.051 χ²/NDF: 15034807.7/46
All: 306.290+/-0.033 χ²/NDF: 34059424.7/96
- sign 283.968+/-0.044 χ²/NDF: 18417658.4/49

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

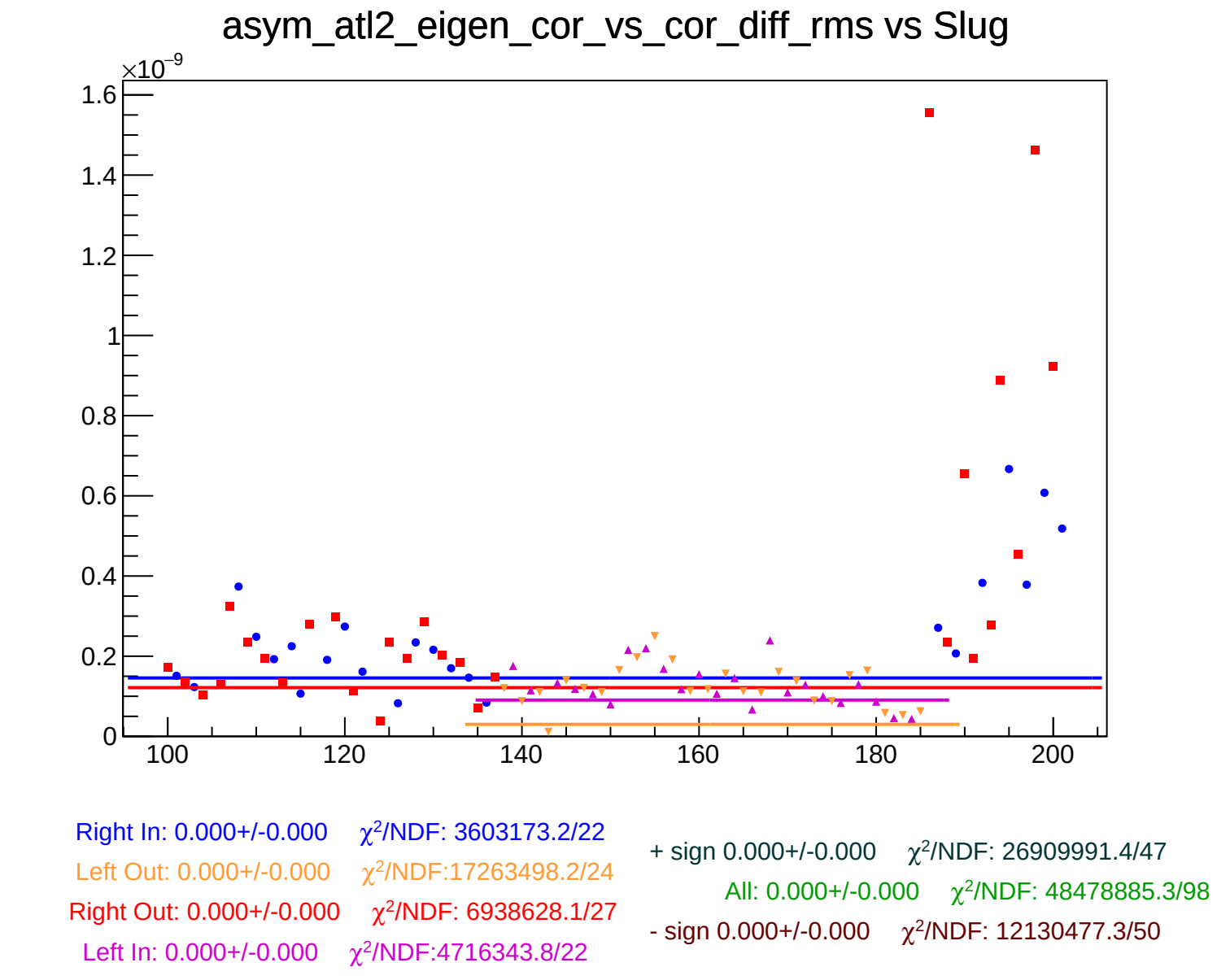
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/27

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

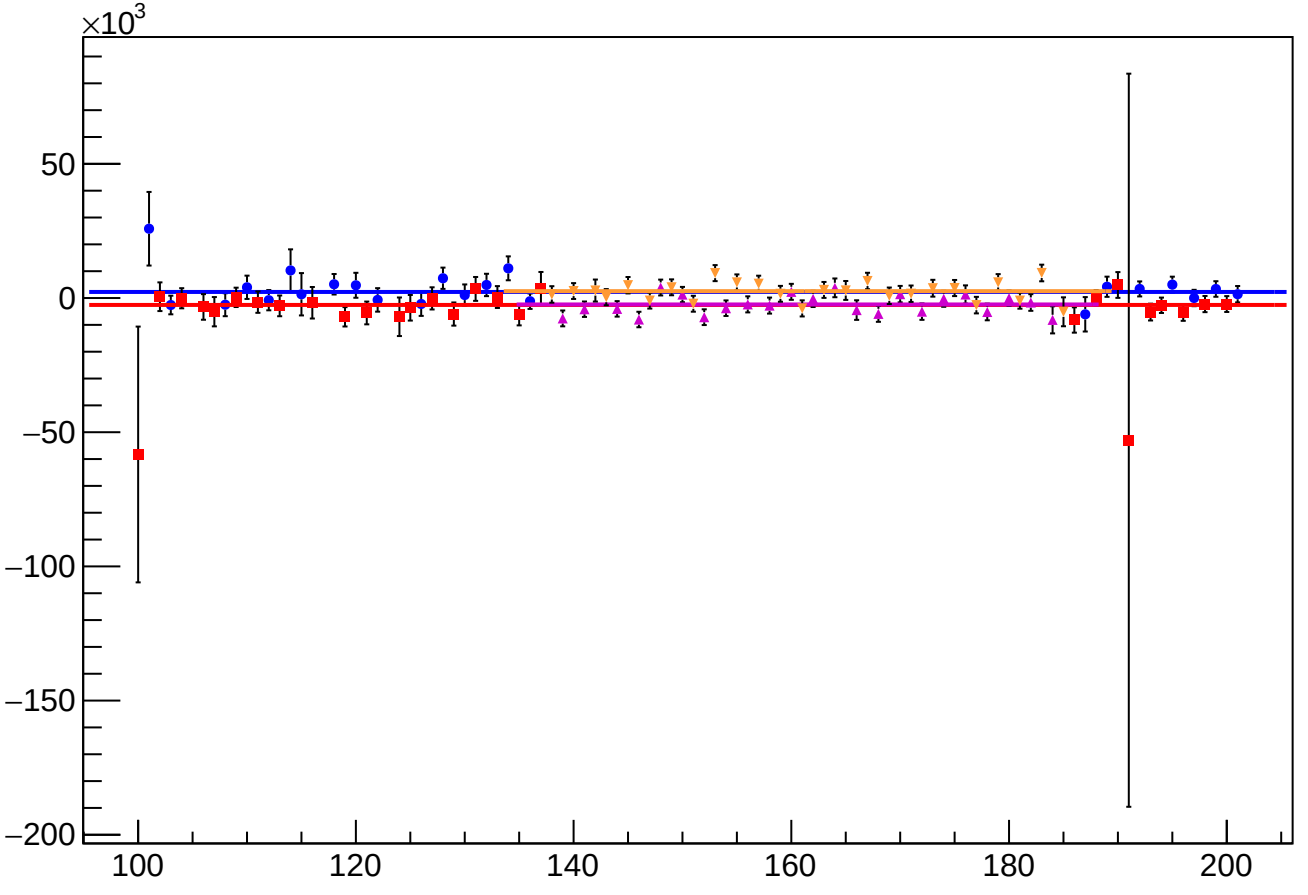
+ sign 0.000+/-0.000 χ^2/NDF: 34.3/47

All: 0.000+/-0.000 χ^2/NDF: 95.1/98

- sign 0.000+/-0.000 χ^2/NDF: 57.0/50


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: 6938628.1/27
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: 48478885.3/98
- sign 0.000+/-0.000 χ²/NDF: 12130477.3/50

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: -2573.561+/-769.111 χ^2/NDF: 17.1/27

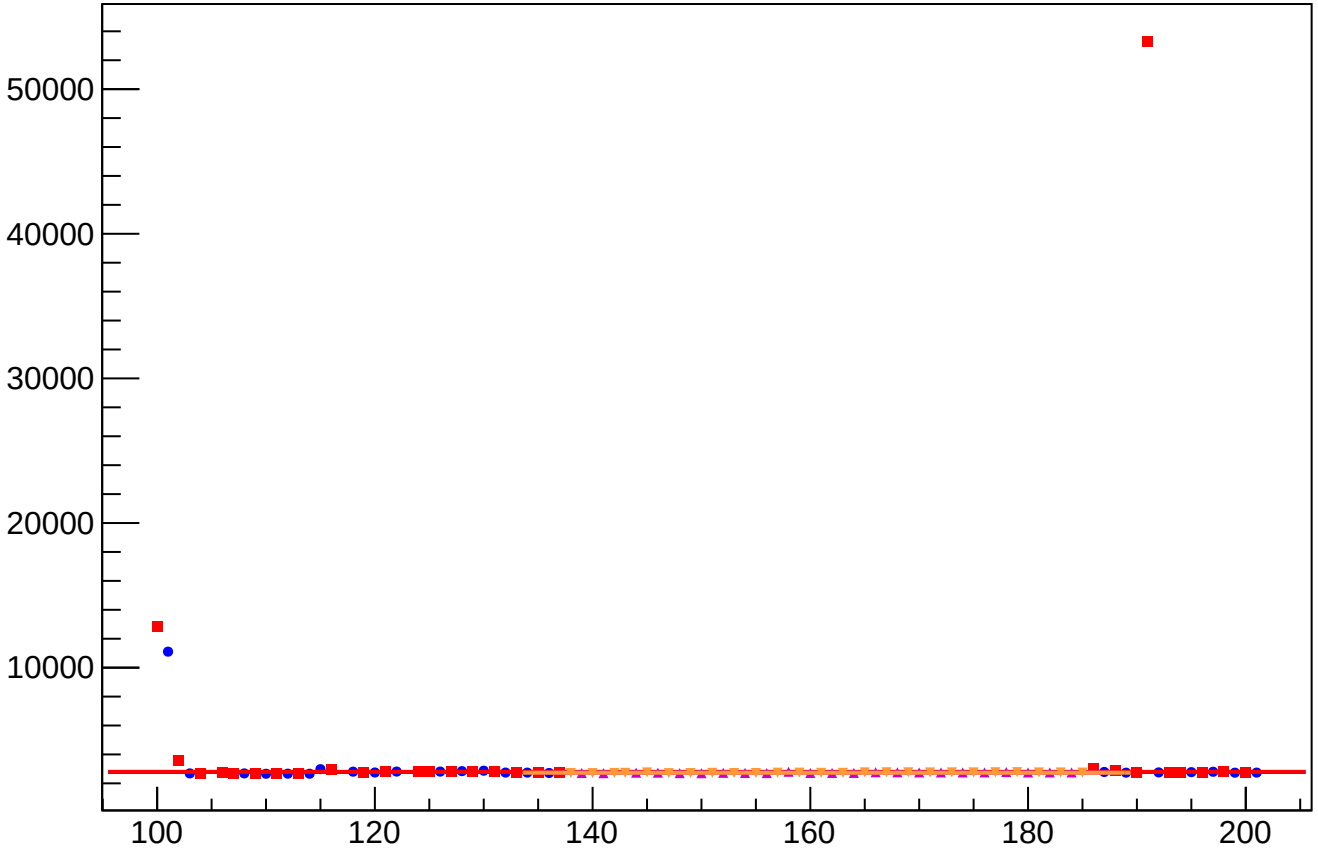
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2447.785+/-492.096 χ^2/NDF: 53.2/47

All: -15.392+/-347.870 χ^2/NDF: 151.8/98

- sign -2475.892+/-491.828 χ^2/NDF: 48.5/50

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: 2795.620+/-0.544 χ^2/NDF: 478875.4/27

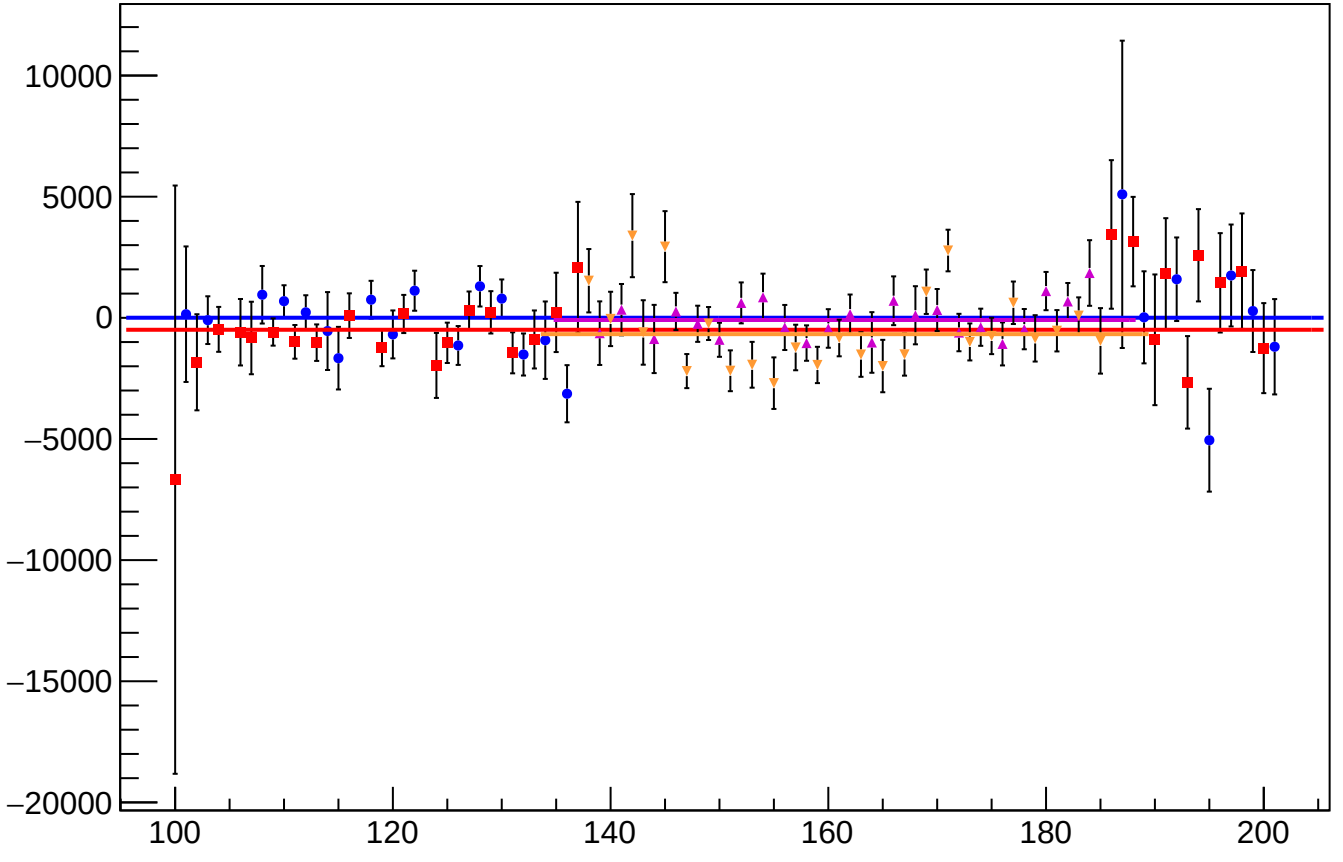
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.726+/-0.348 χ^2/NDF: 755300.6/47

All: 2759.197+/-0.246 χ^2/NDF: 1243949.7/98

- sign 2762.664+/-0.348 χ^2/NDF: 488450.2/50

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: -492.906+/-206.610 χ^2/NDF: 22.2/27

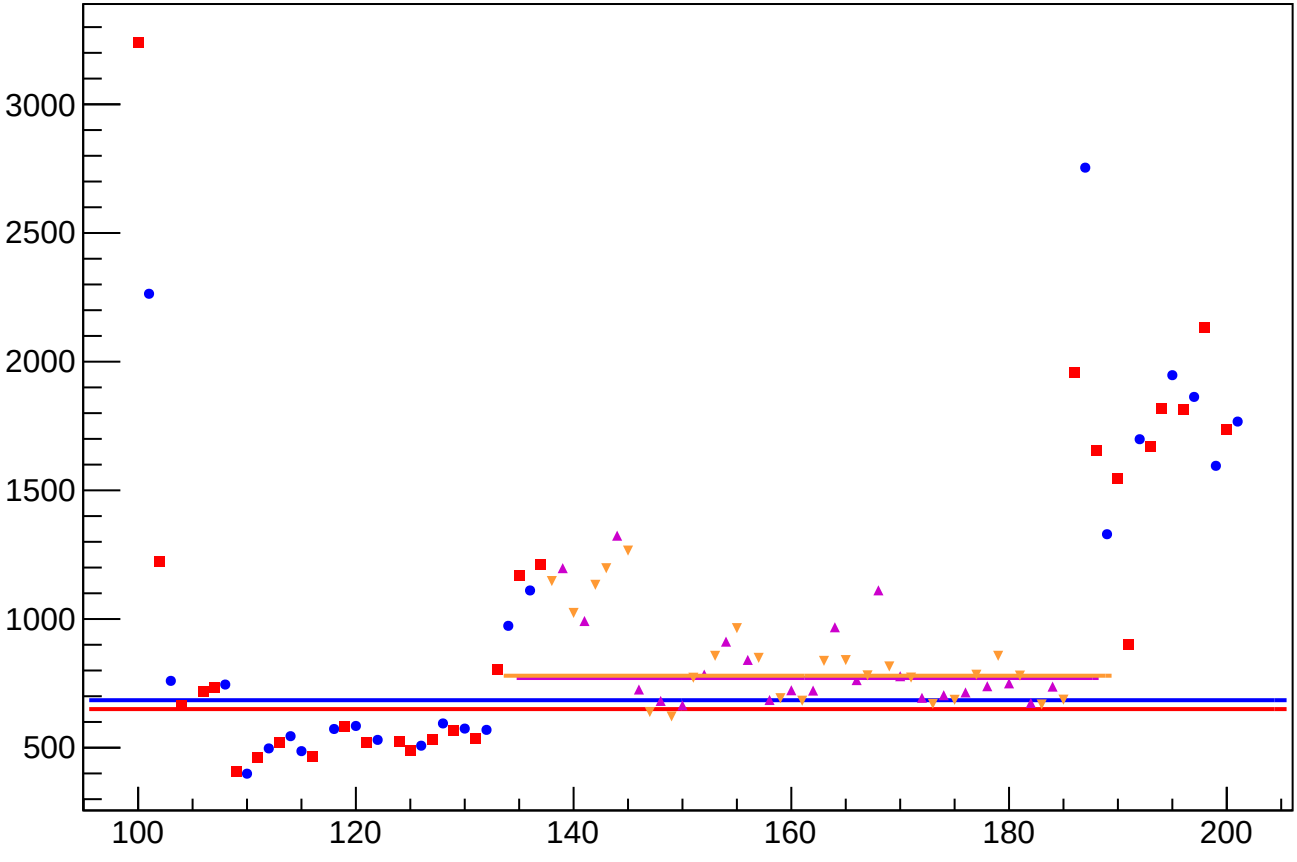
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -404.712+/-140.741 χ^2/NDF: 94.9/47

All: -334.300+/-98.242 χ^2/NDF: 134.5/98

- sign -267.390+/-137.197 χ^2/NDF: 39.1/50

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: 649.999+/-0.146 χ^2/NDF: 6137167.3/27

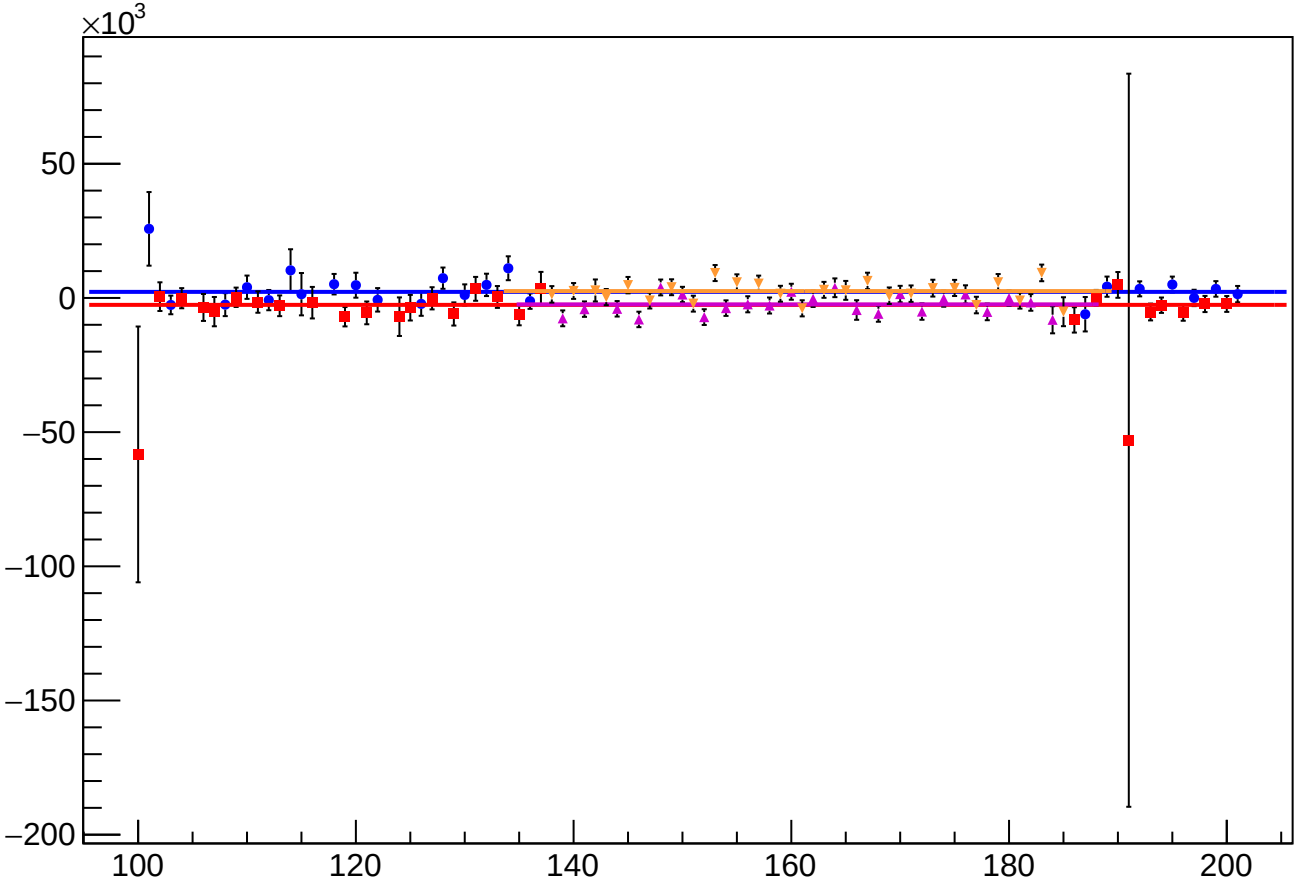
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 741.956+/-0.100 χ^2/NDF: 7007549.2/47

All: 729.432+/-0.069 χ^2/NDF: 14634152.1/98

- sign 717.531+/-0.097 χ^2/NDF: 7595716.1/50

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: -2577.220+/-770.087 χ^2/NDF: 17.1/27

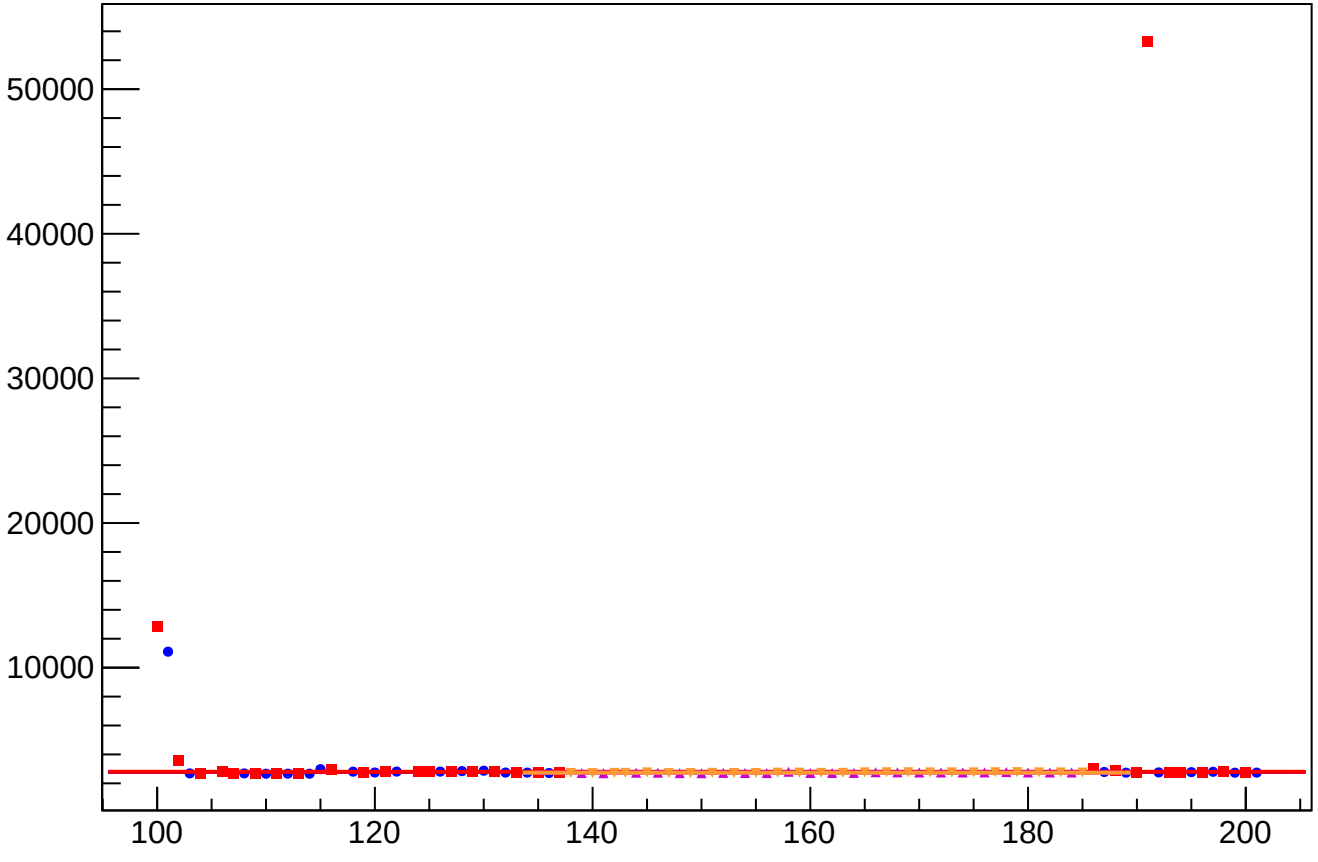
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2447.622+/-492.096 χ^2/NDF: 53.2/47

All: -14.936+/-347.960 χ^2/NDF: 151.8/98

- sign -2477.368+/-492.083 χ^2/NDF: 48.5/50

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: 2798.575+/-0.545 χ^2/NDF: 478509.7/27

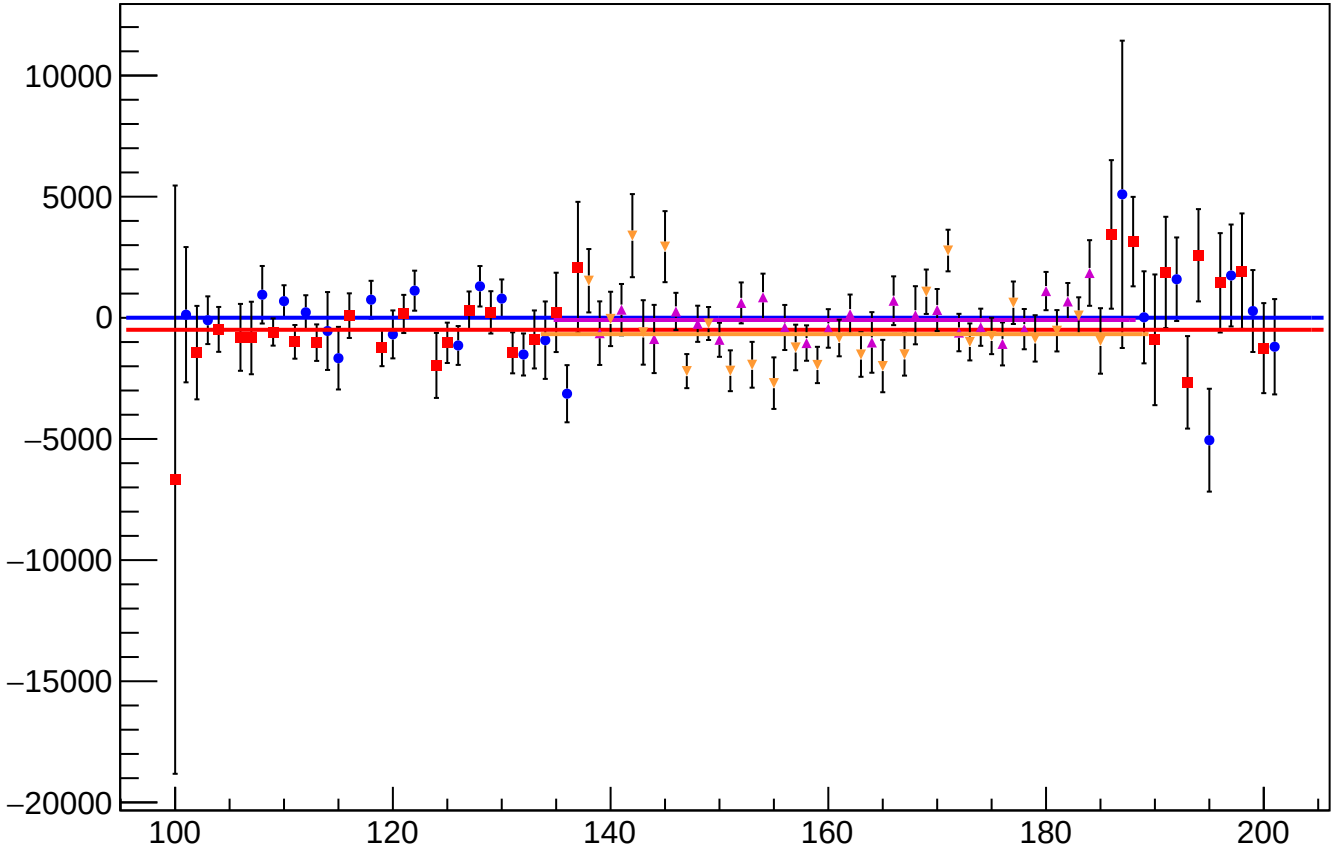
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.726+/-0.348 χ^2/NDF: 755299.7/47

All: 2759.781+/-0.246 χ^2/NDF: 1244321.6/98

- sign 2763.836+/-0.348 χ^2/NDF: 488750.2/50

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: -493.733+/-206.576 χ^2/NDF: 22.1/27

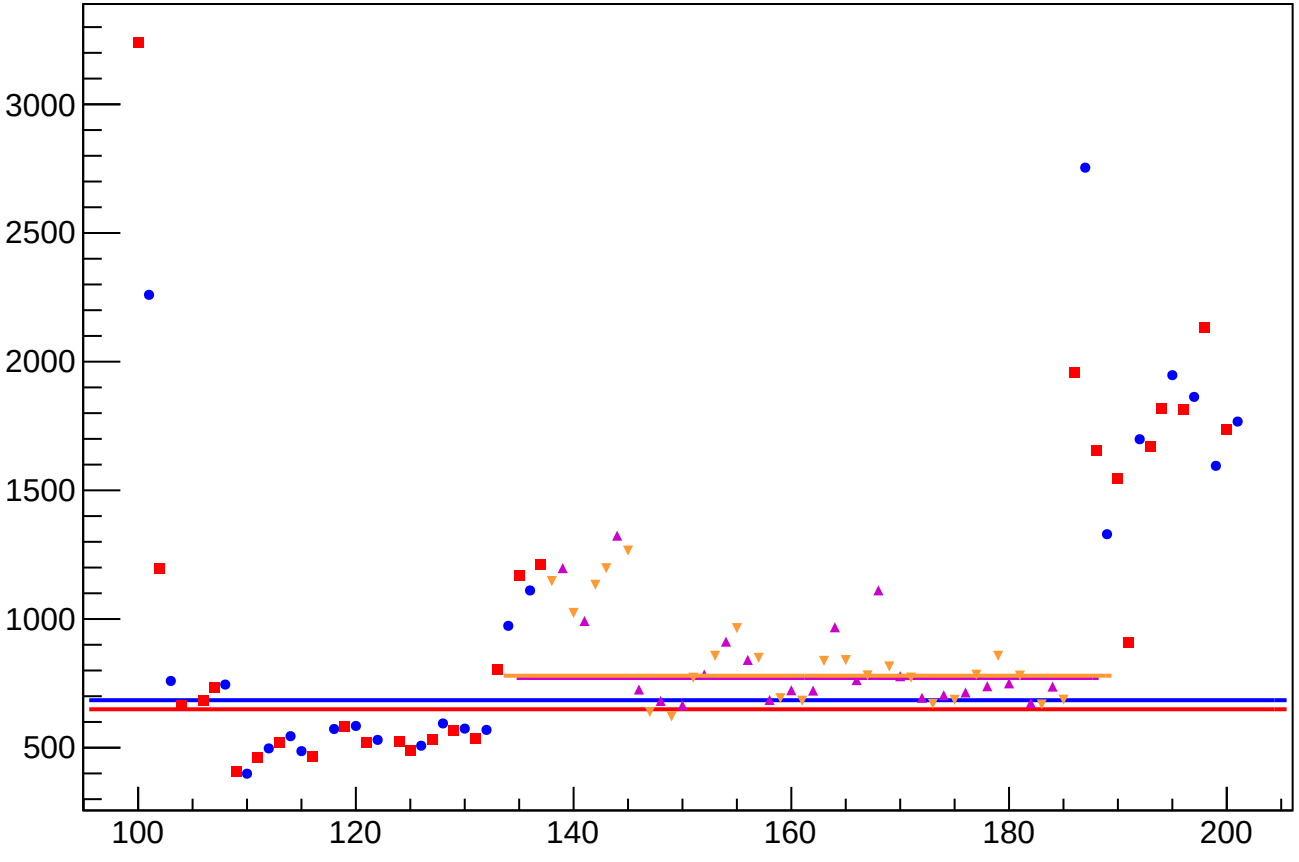
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -404.659+/-140.738 χ^2/NDF: 94.9/47

All: -334.510+/-98.237 χ^2/NDF: 134.4/98

- sign -267.858+/-137.187 χ^2/NDF: 39.0/50

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: 649.318+/-0.146 χ^2/NDF: 6129435.4/27

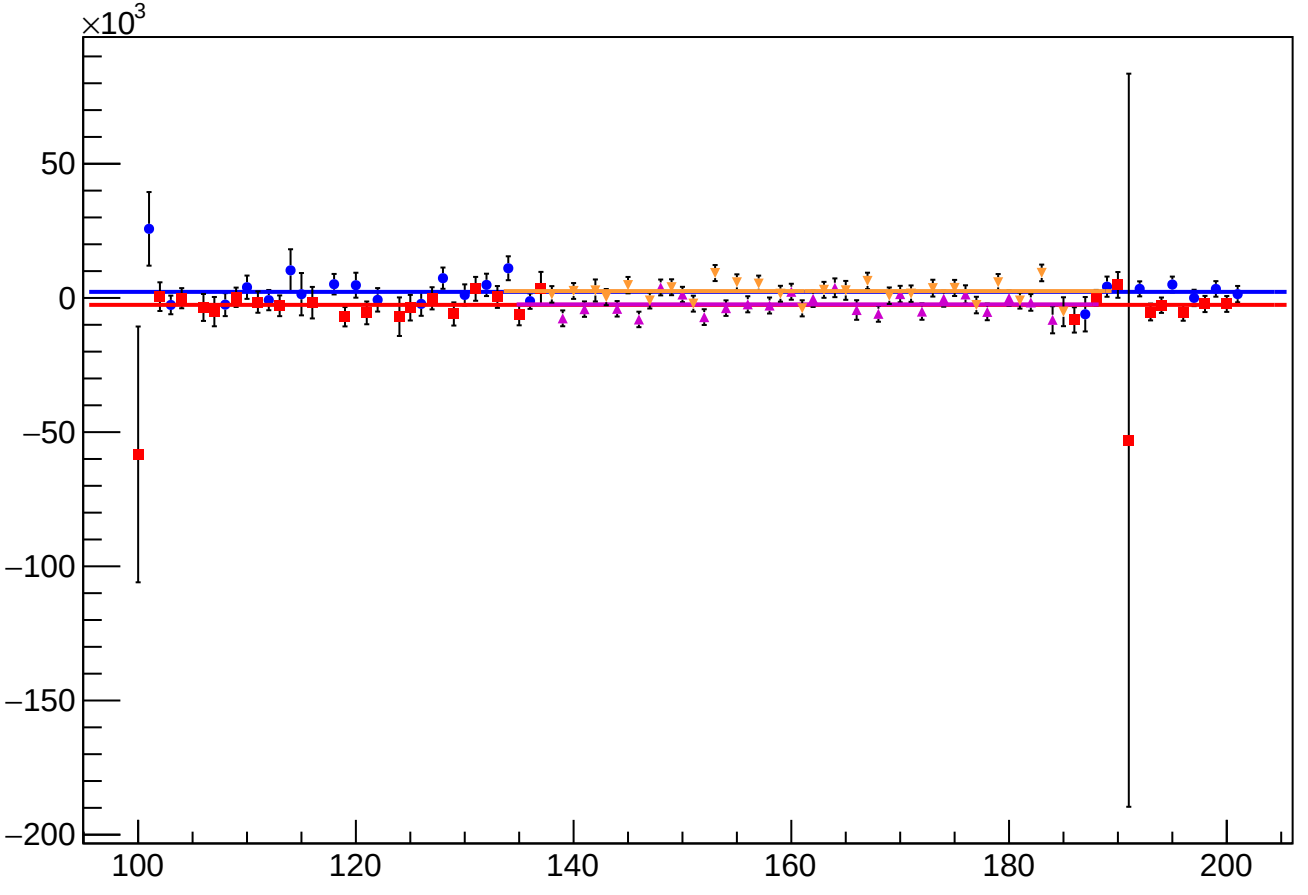
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 741.949+/-0.100 χ^2/NDF: 7006694.3/47

All: 729.270+/-0.069 χ^2/NDF: 14630686.1/98

- sign 717.223+/-0.097 χ^2/NDF: 7592336.5/50

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: -2577.220+/-770.087 χ^2/NDF: 17.1/27

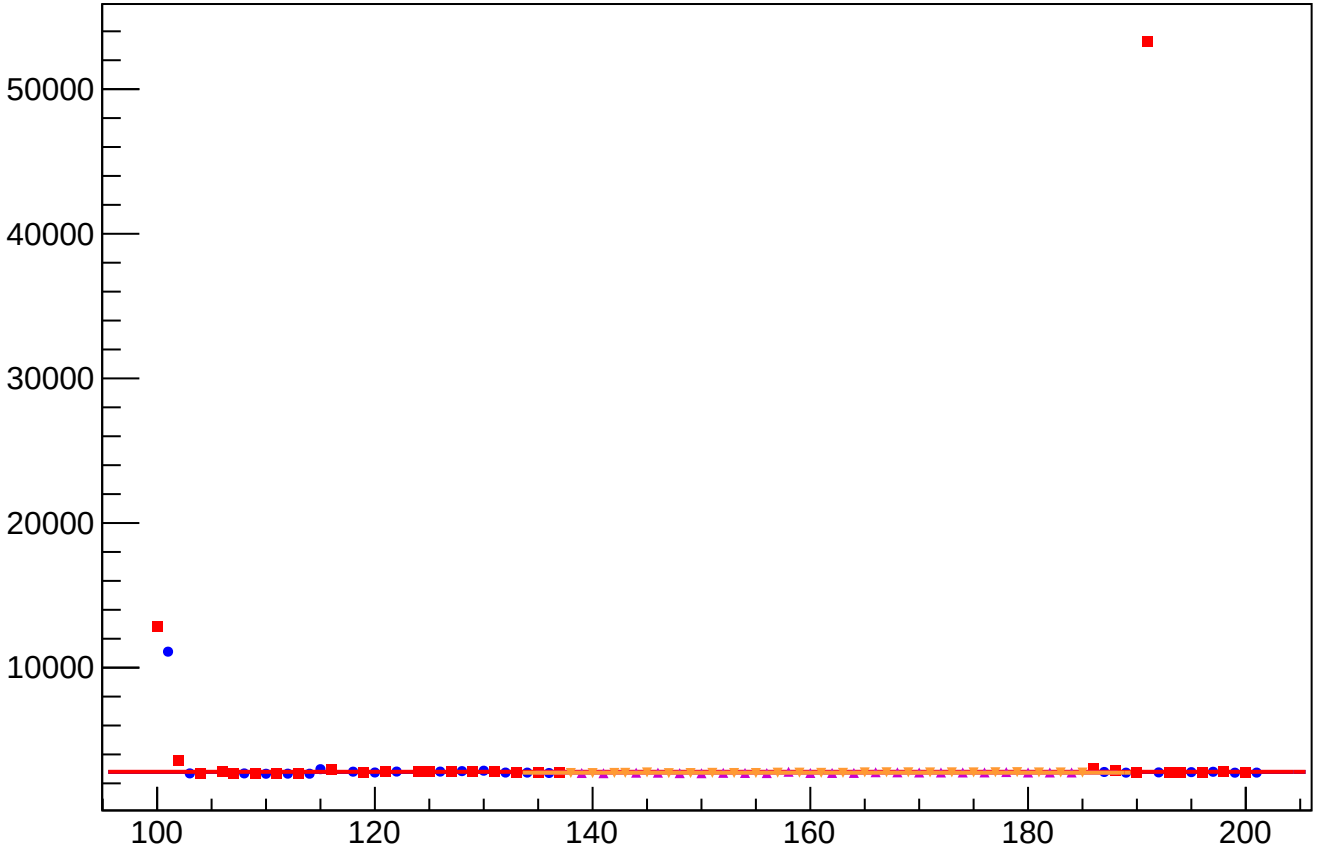
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2447.622+/-492.096 χ^2/NDF: 53.2/47

All: -14.936+/-347.960 χ^2/NDF: 151.8/98

- sign -2477.368+/-492.083 χ^2/NDF: 48.5/50

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: 2798.575+/-0.545 χ^2/NDF: 478509.7/27

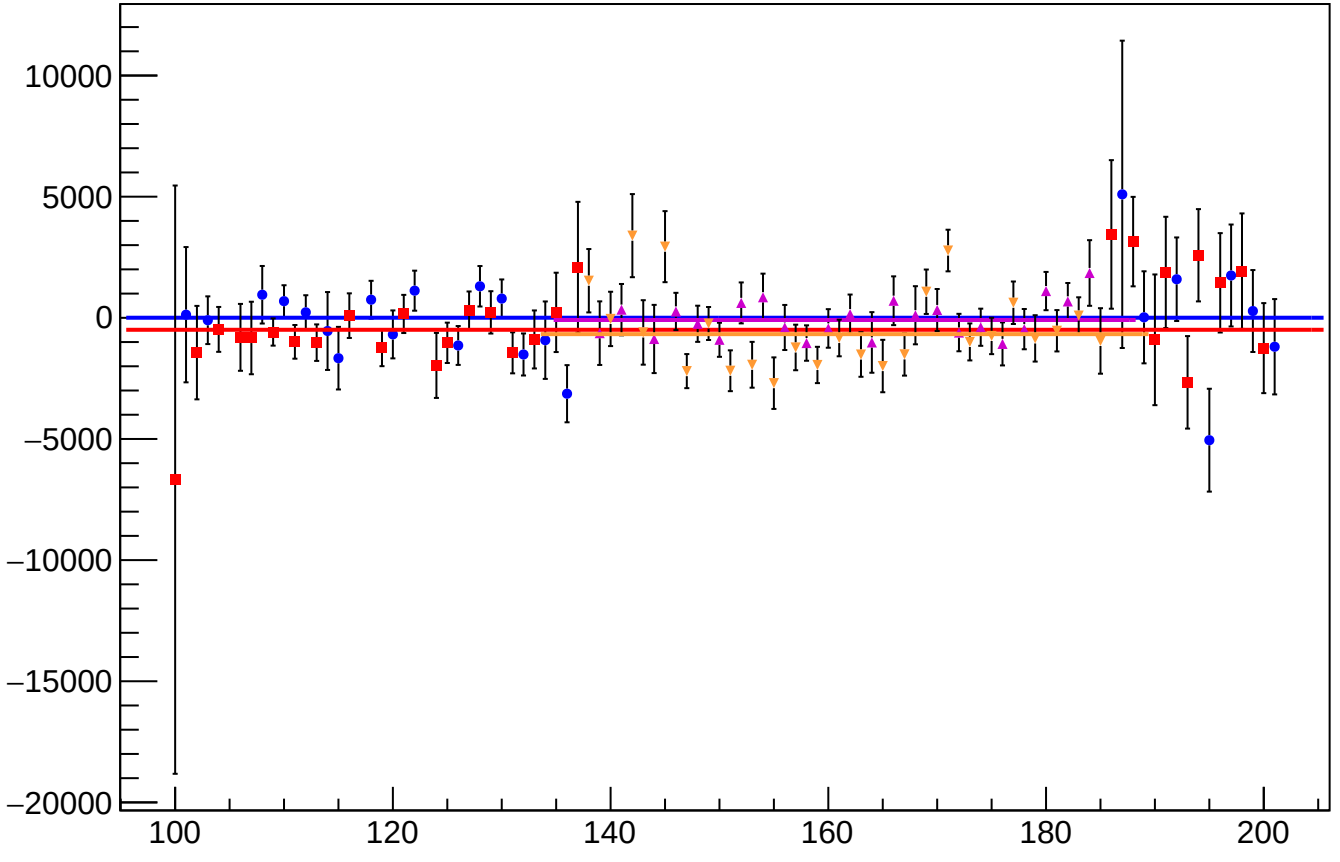
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.726+/-0.348 χ^2/NDF: 755299.7/47

All: 2759.781+/-0.246 χ^2/NDF: 1244321.6/98

- sign 2763.836+/-0.348 χ^2/NDF: 488750.2/50

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: -493.733+/-206.576 χ^2/NDF: 22.1/27

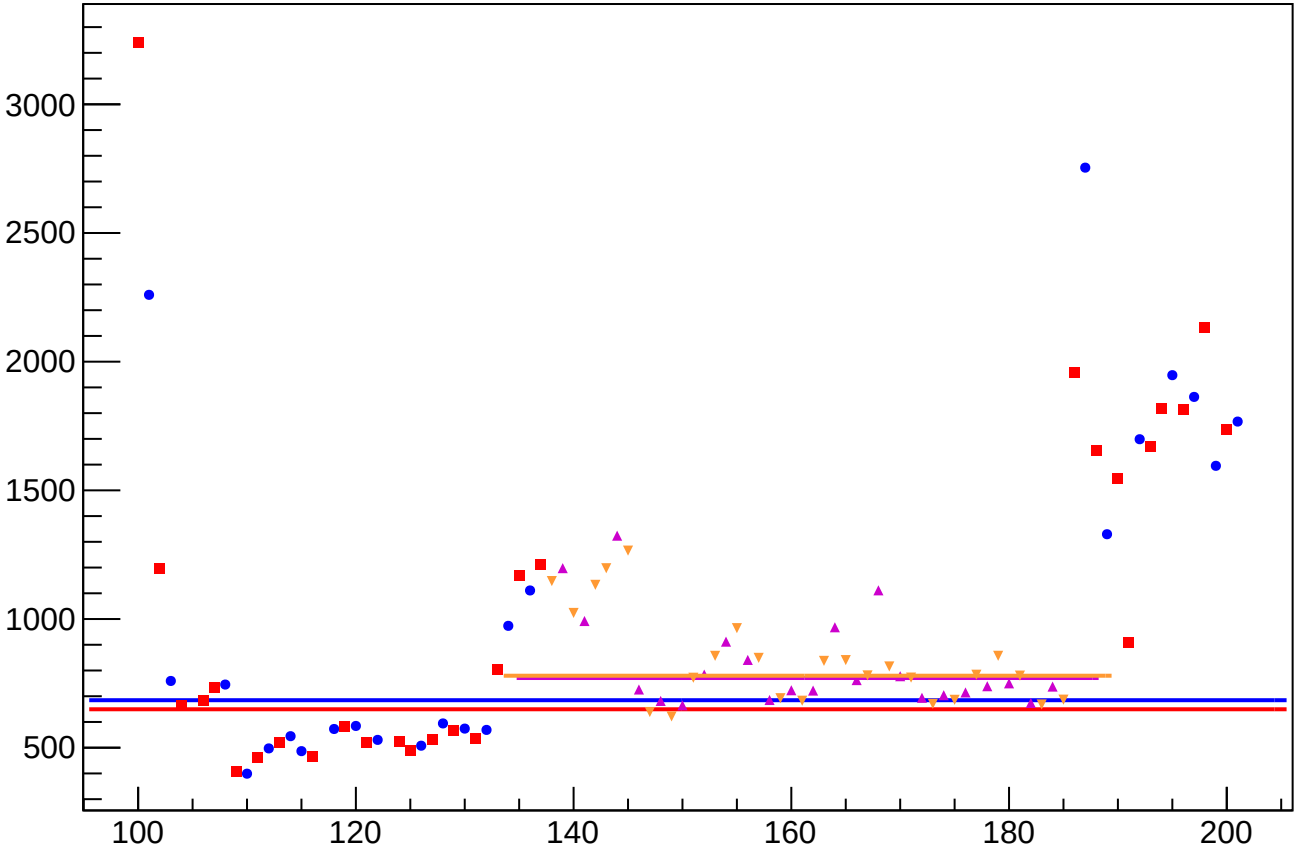
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -404.659+/-140.738 χ^2/NDF: 94.9/47

All: -334.510+/-98.237 χ^2/NDF: 134.4/98

- sign -267.858+/-137.187 χ^2/NDF: 39.0/50

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: 649.318+/-0.146 χ^2/NDF: 6129435.4/27

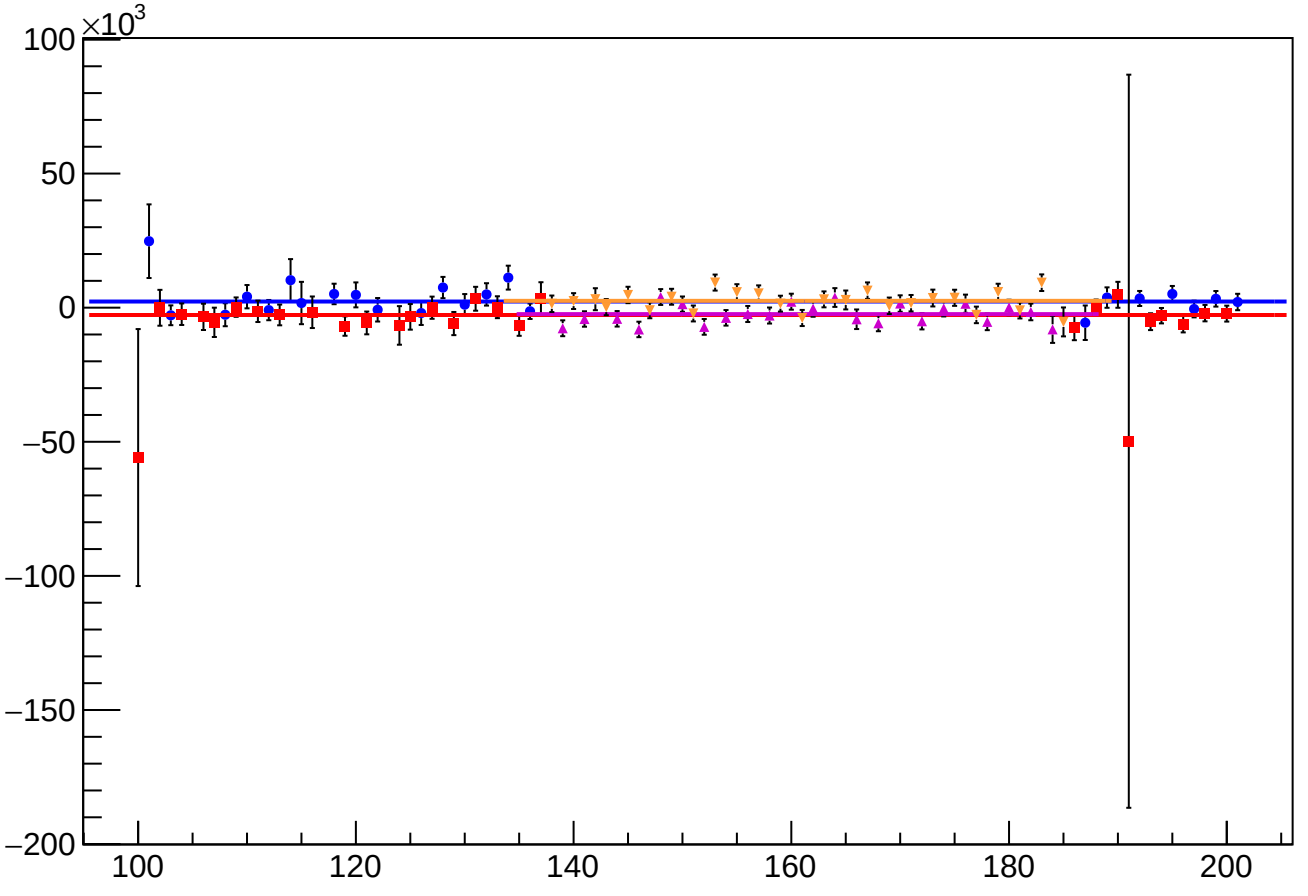
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 741.949+/-0.100 χ^2/NDF: 7006694.3/47

All: 729.270+/-0.069 χ^2/NDF: 14630686.1/98

- sign 717.223+/-0.097 χ^2/NDF: 7592336.5/50

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: -2734.903+/-777.010 χ^2/NDF: 16.3/27

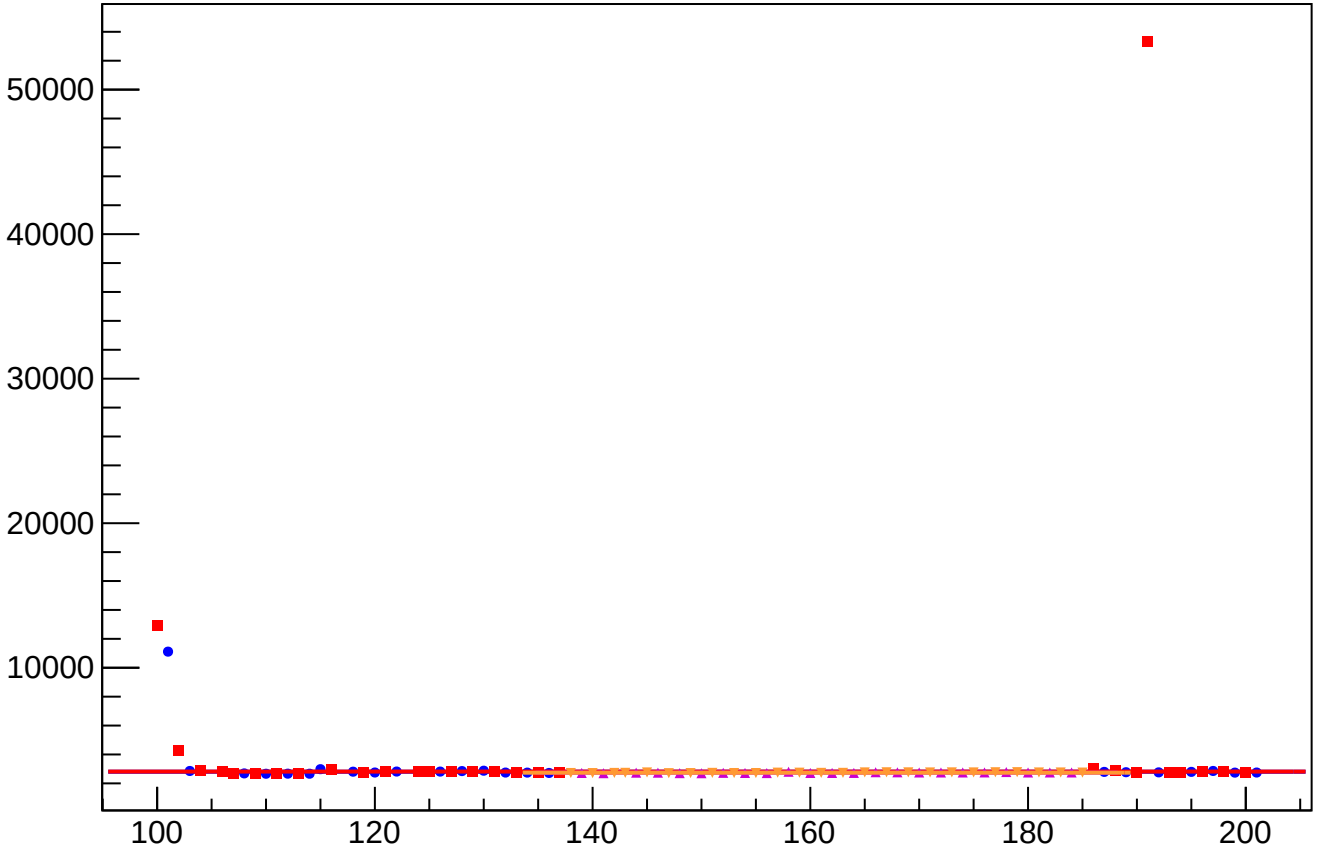
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2450.357+/-493.518 χ^2/NDF: 53.5/47

All: -41.924+/-349.155 χ^2/NDF: 152.8/98

- sign -2539.476+/-494.040 χ^2/NDF: 48.2/50

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: 2816.726+/-0.549 χ^2/NDF: 531778.5/27

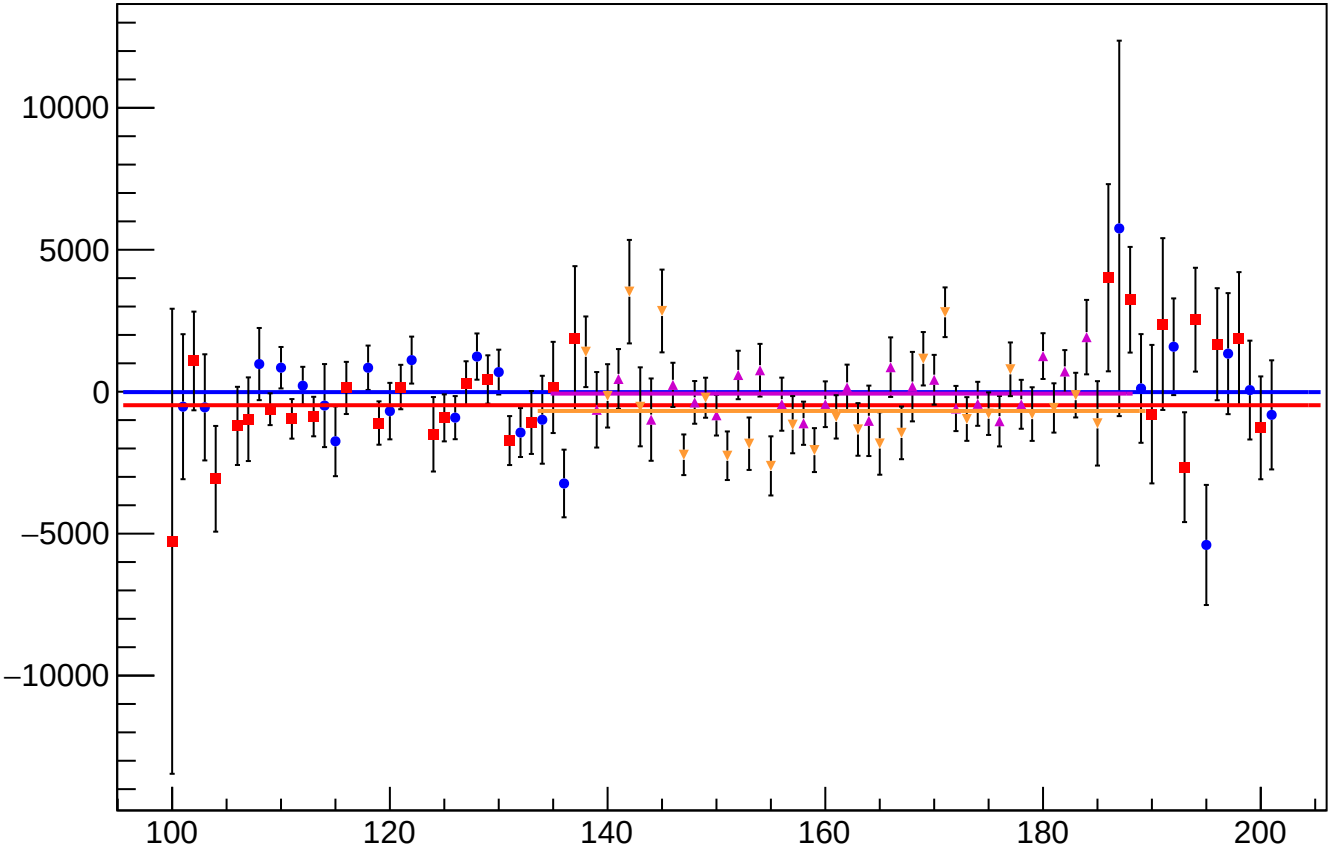
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.552+/-0.349 χ^2/NDF: 757761.5/47

All: 2767.695+/-0.247 χ^2/NDF: 1304392.1/98

- sign 2771.847+/-0.349 χ^2/NDF: 546348.4/50

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: -475.893+/-207.680 χ^2/NDF: 25.6/27

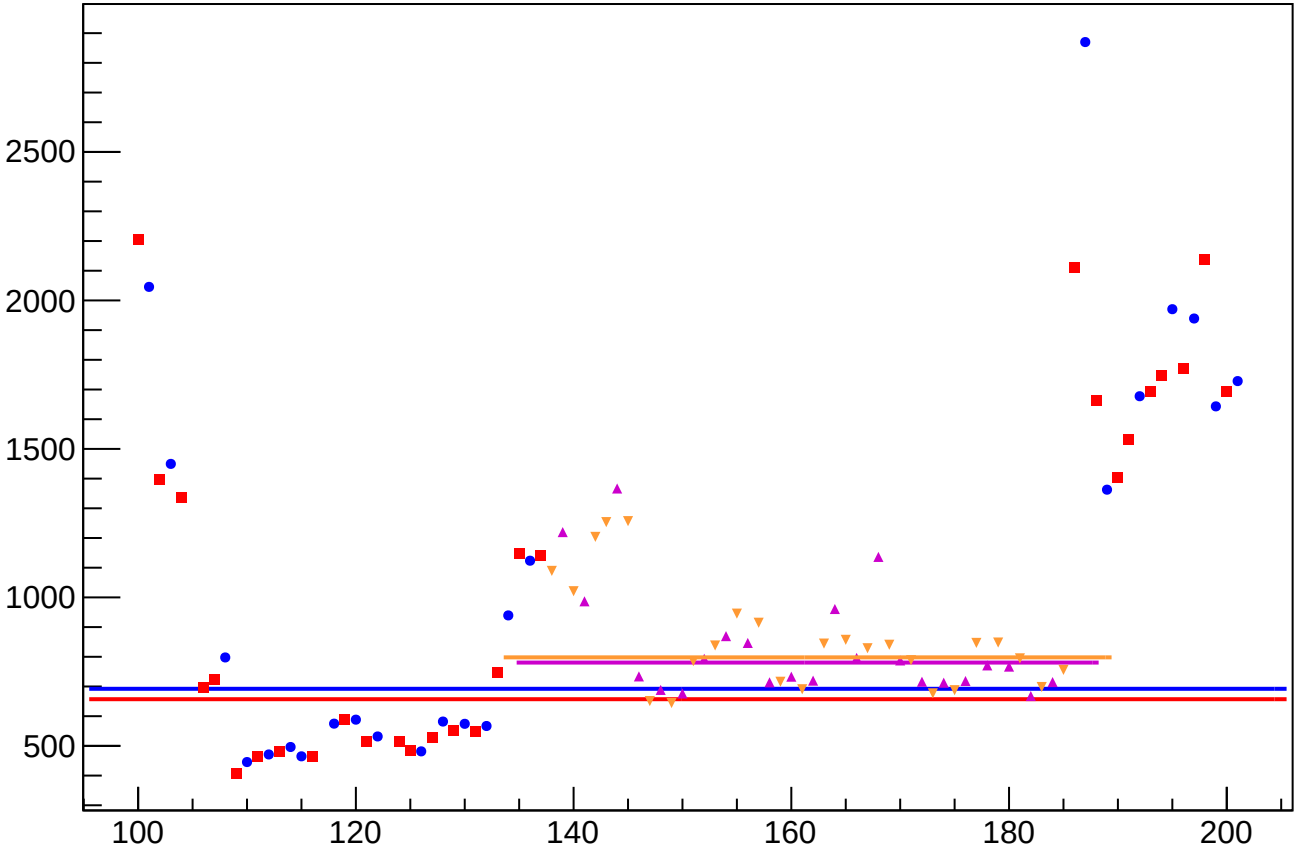
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -413.159+/-143.389 χ^2/NDF: 92.9/47

All: -327.853+/-99.551 χ^2/NDF: 137.2/98

- sign -248.470+/-138.321 χ^2/NDF: 43.6/50

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: 657.181+/-0.147 χ^2/NDF: 6748093.8/27

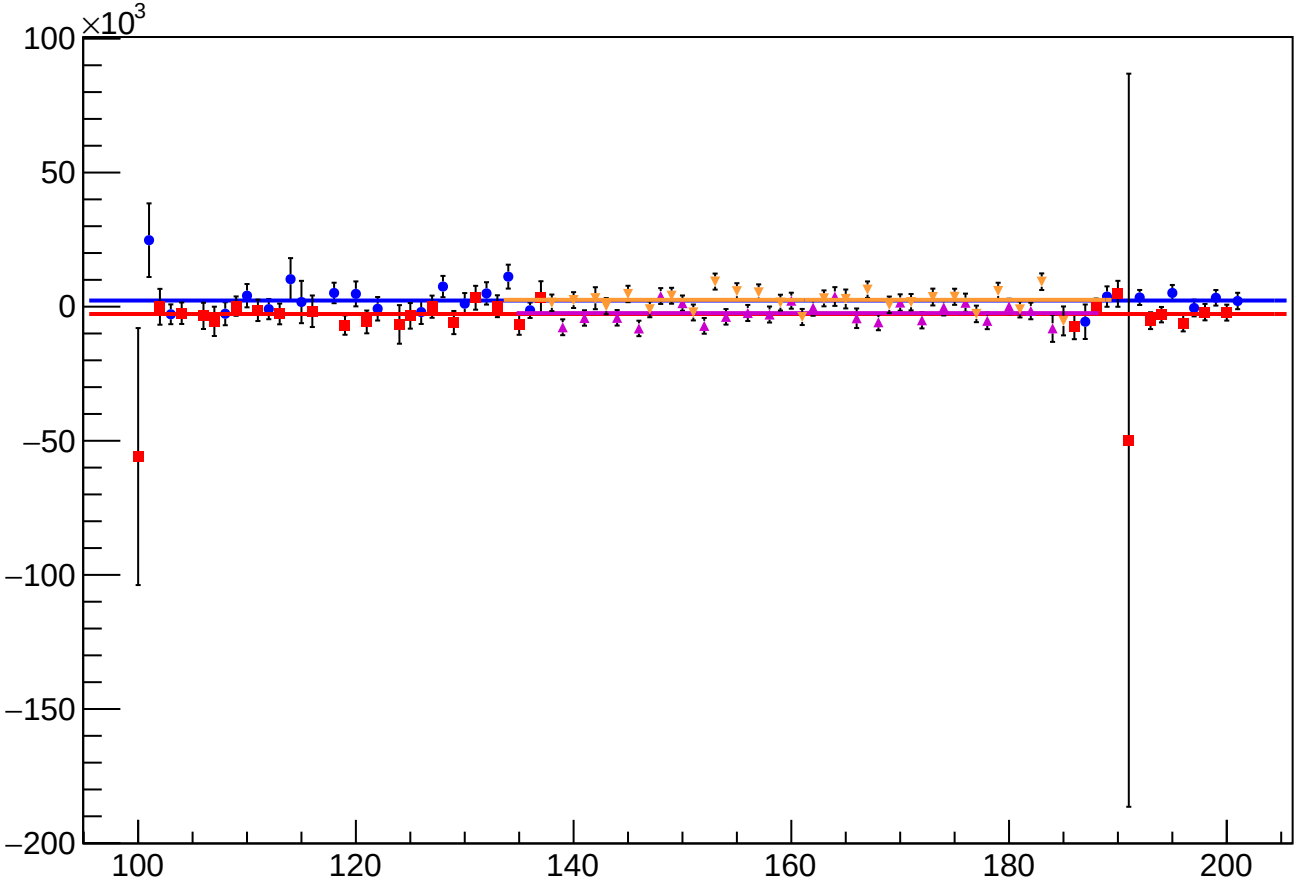
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 755.817+/-0.101 χ^2/NDF: 7342763.5/47

All: 740.274+/-0.070 χ^2/NDF: 15593579.6/98

- sign 725.810+/-0.098 χ^2/NDF: 8205448.7/50

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: -2734.899+/-777.010 χ^2/NDF: 16.3/27

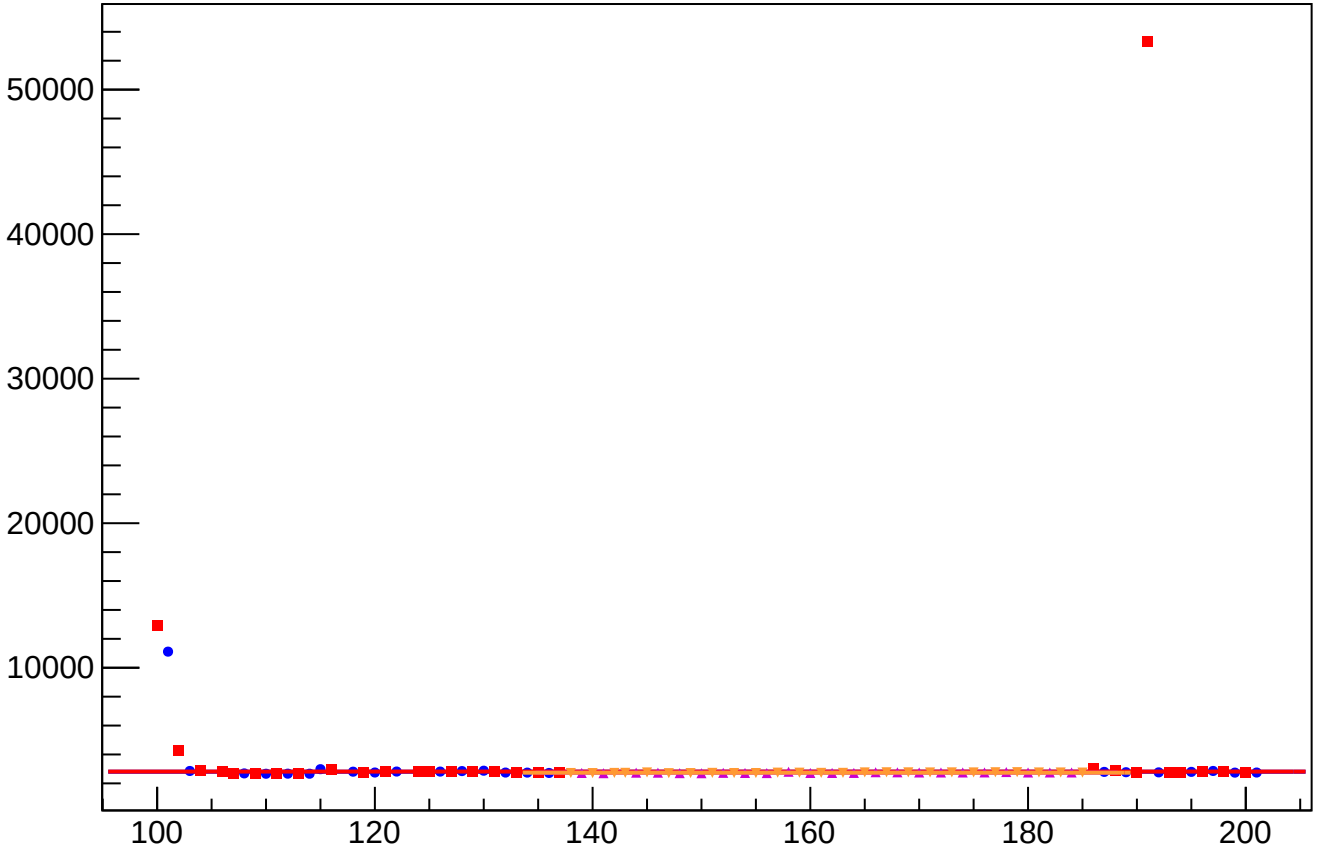
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2450.357+/-493.518 χ^2/NDF: 53.5/47

All: -41.923+/-349.155 χ^2/NDF: 152.8/98

- sign -2539.475+/-494.040 χ^2/NDF: 48.2/50

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: 2816.726+/-0.549 χ^2/NDF: 531778.3/27

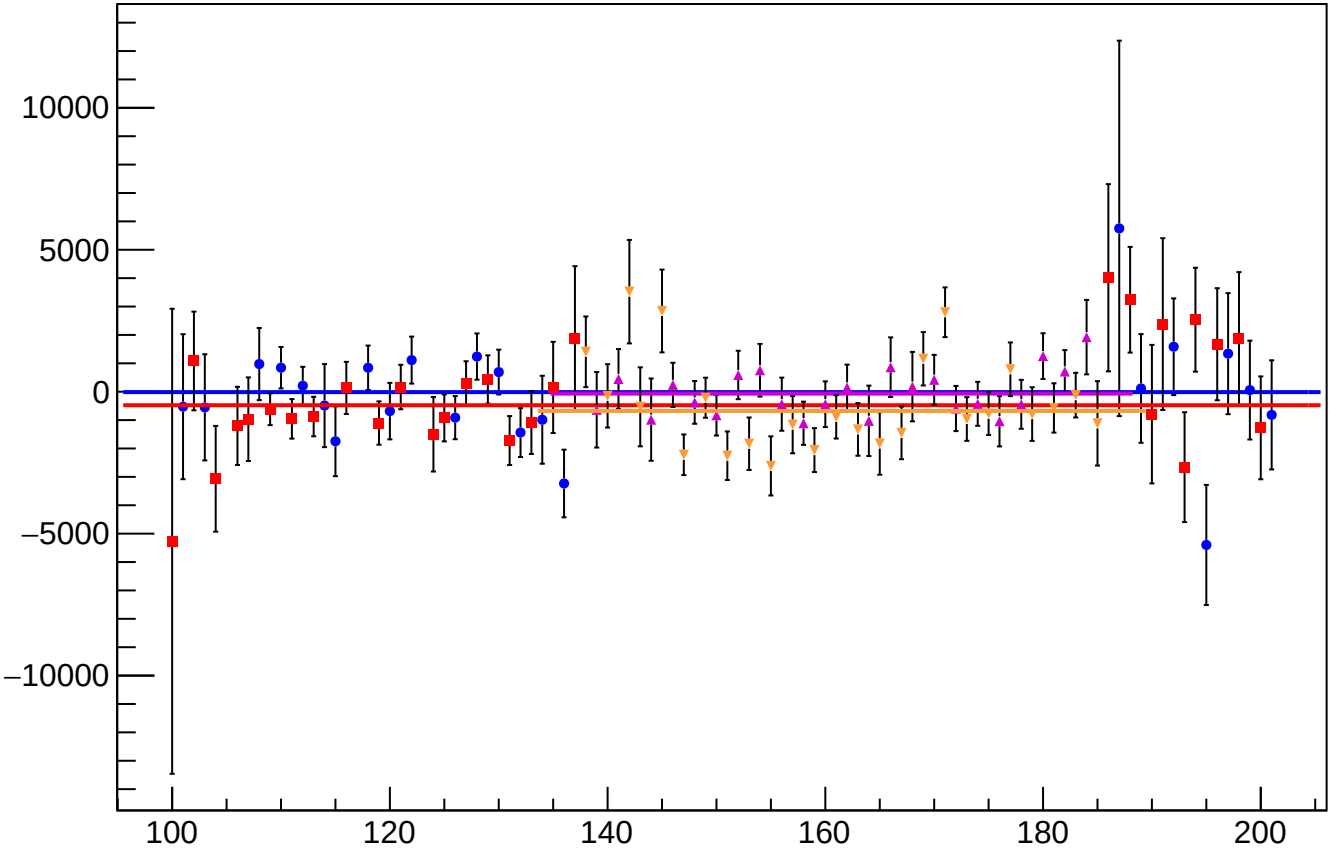
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.552+/-0.349 χ^2/NDF: 757761.5/47

All: 2767.695+/-0.247 χ^2/NDF: 1304391.8/98

- sign 2771.847+/-0.349 χ^2/NDF: 546348.1/50

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: -475.893+/-207.680 χ^2/NDF: 25.6/27

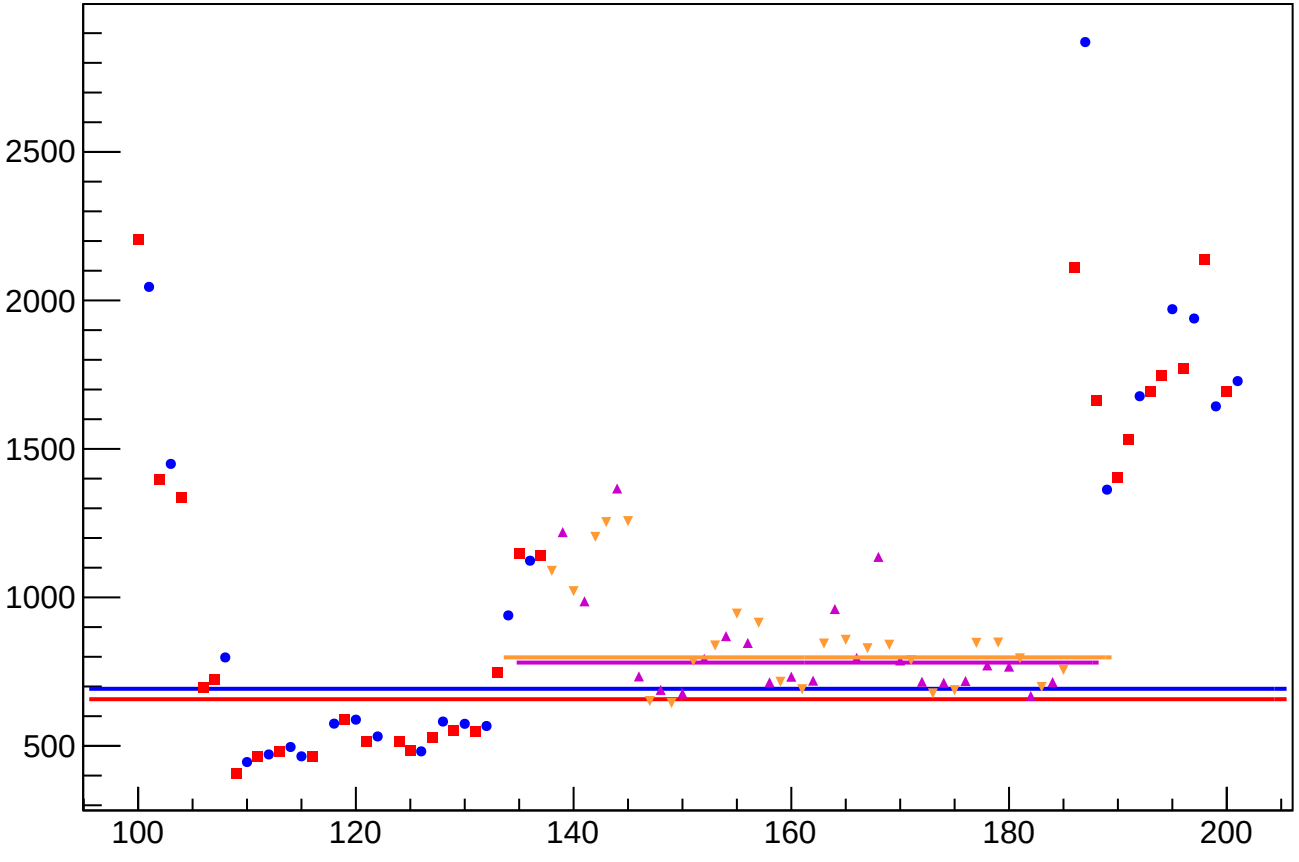
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -413.159+/-143.390 χ^2/NDF: 92.9/47

All: -327.853+/-99.551 χ^2/NDF: 137.2/98

- sign -248.470+/-138.321 χ^2/NDF: 43.6/50

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

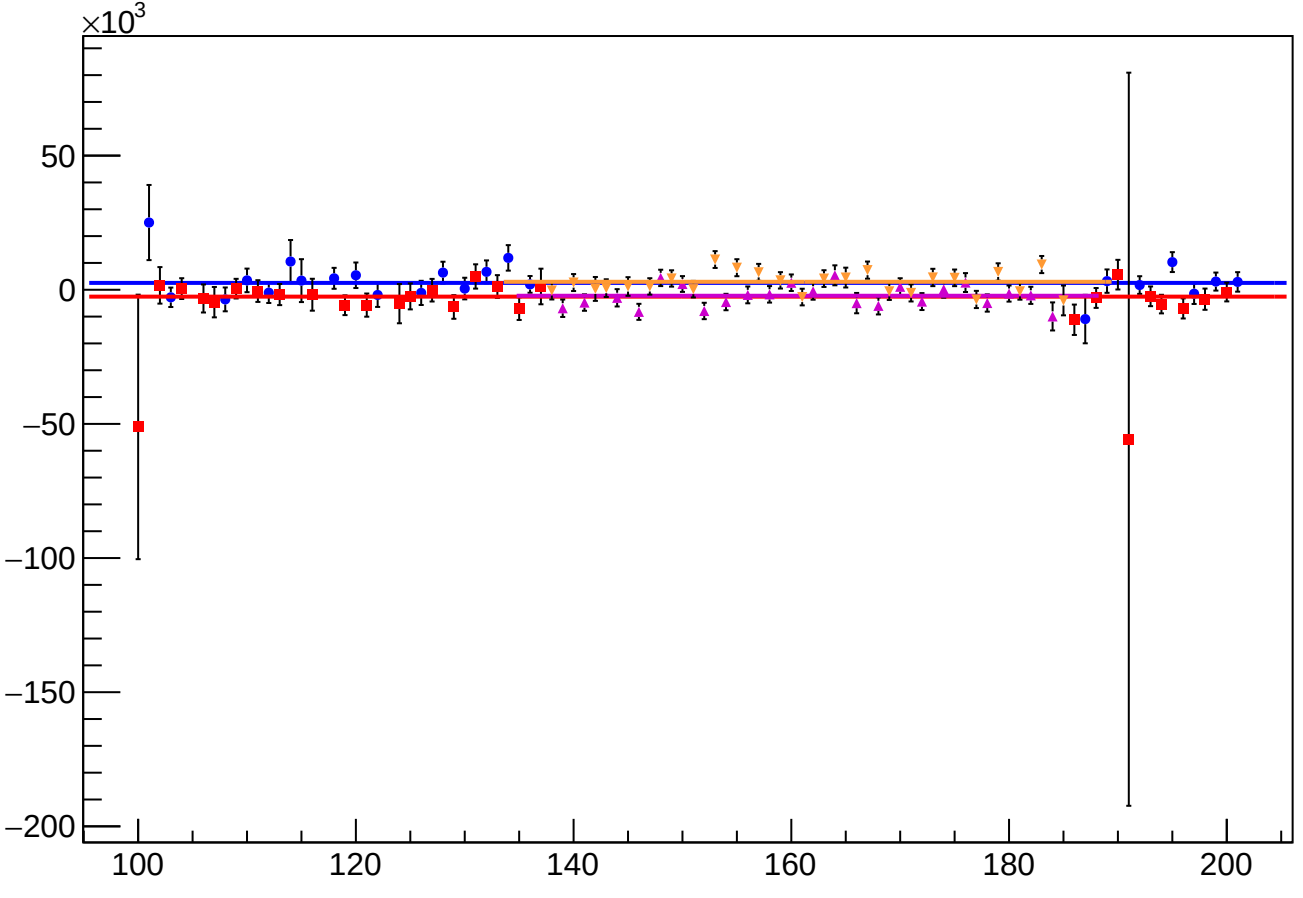
Right Out: 657.181+/-0.147 χ^2/NDF: 6748095.3/27

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 755.817+/-0.101 χ^2/NDF: 7342759.6/47

All: 740.274+/-0.070 χ^2/NDF: 15593579.4/98

- sign 725.810+/-0.098 χ^2/NDF: 8205451.6/50



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: -2561.779+/-852.332 χ^2/NDF: 17.6/27

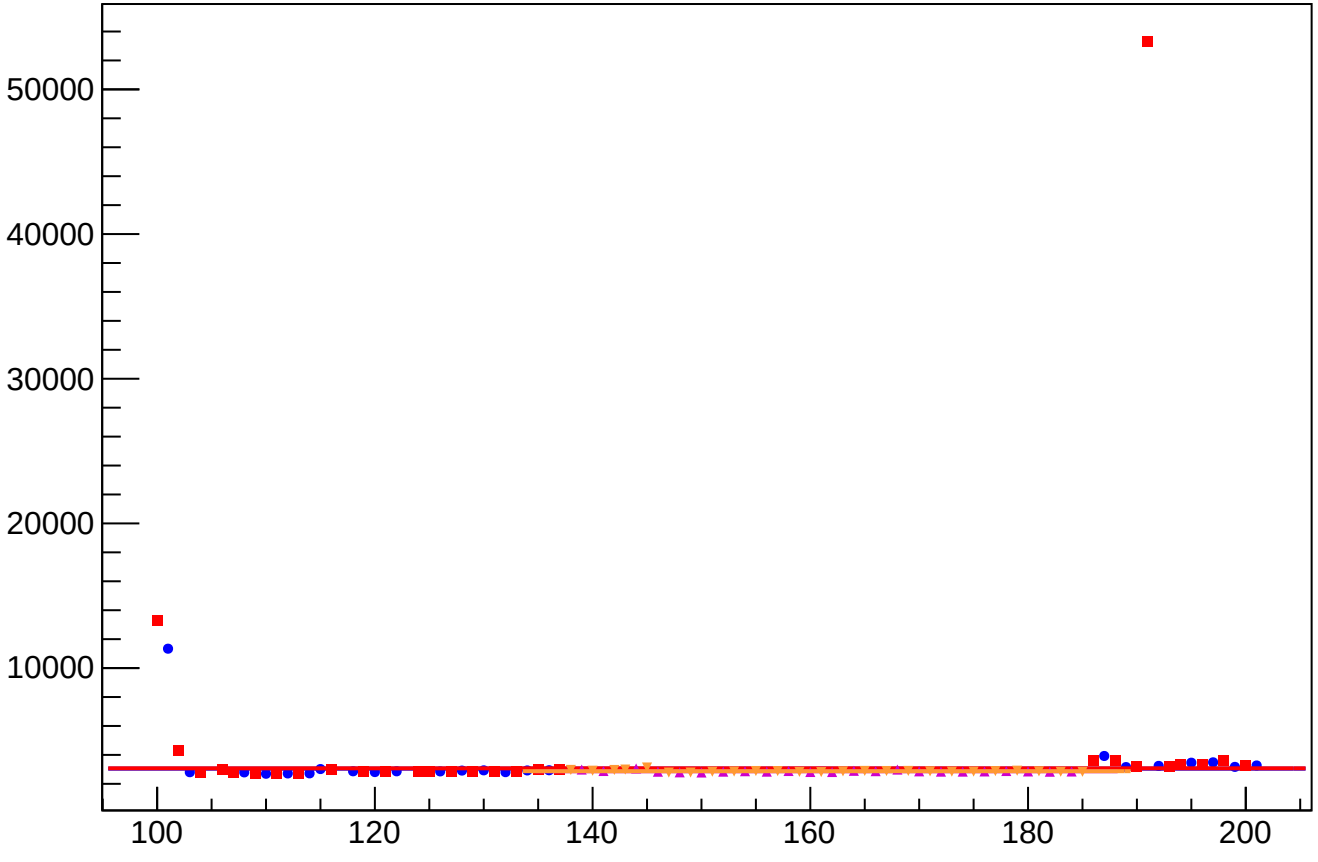
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2823.806+/-525.335 χ^2/NDF: 60.6/47

All: 238.900+/-372.020 χ^2/NDF: 160.6/98

- sign -2361.421+/-526.899 χ^2/NDF: 51.5/50

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

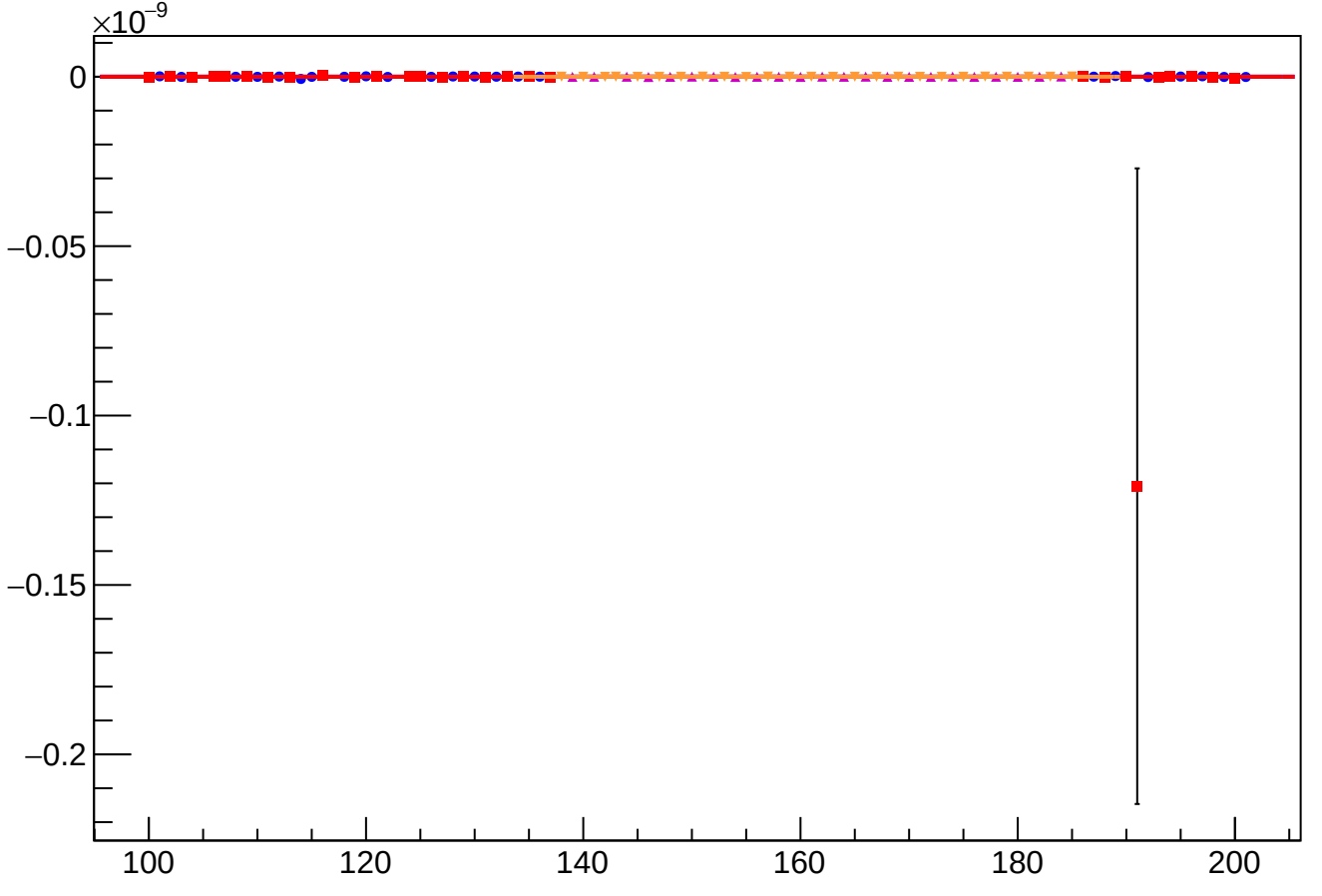
Right Out: 3072.615+/-0.603 χ^2/NDF: 711544.1/27

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2936.394+/-0.371 χ^2/NDF: 937981.7/47

All: 2941.943+/-0.263 χ^2/NDF: 1737385.3/98

- sign 2947.525+/-0.373 χ^2/NDF: 798956.0/50



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: 34.3/27

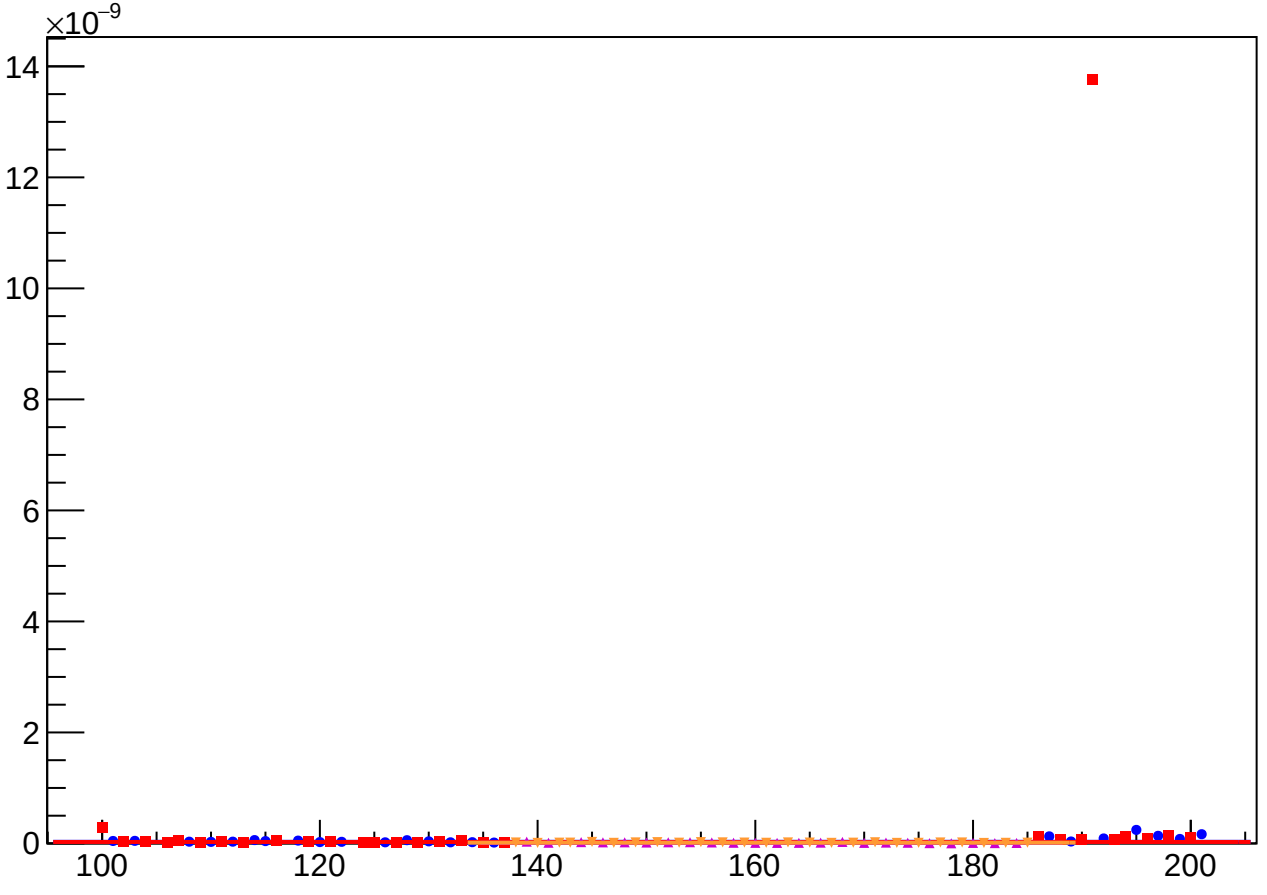
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/47

All: 0.000+/-0.000 χ^2/NDF: 94.2/98

- sign 0.000+/-0.000 χ^2/NDF: 63.3/50

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: 2796807.0/27

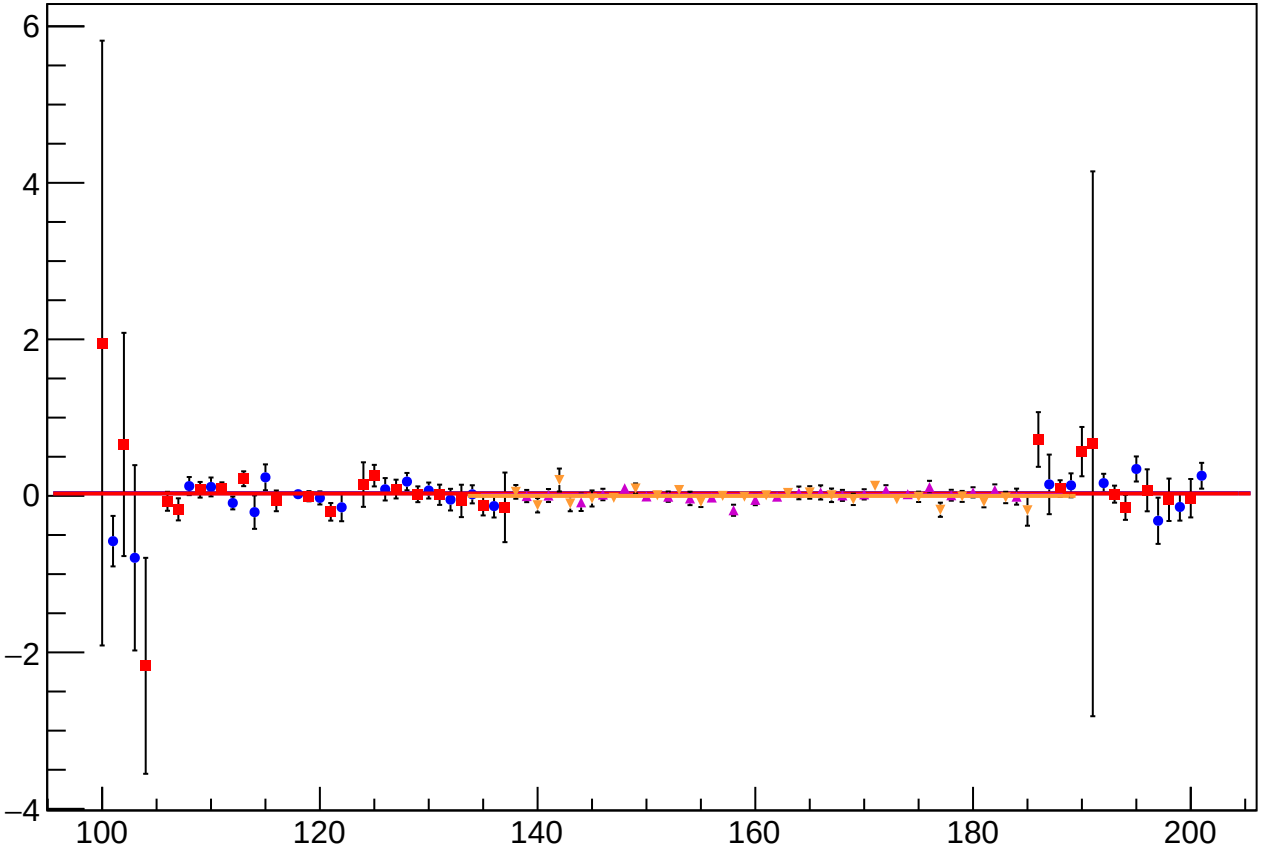
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6086224.8/47

All: 0.000+/-0.000 χ^2/NDF: 14235850.7/98

- sign 0.000+/-0.000 χ^2/NDF: 7868582.5/50

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: 0.030+/-0.025 χ^2/NDF: 29.4/27

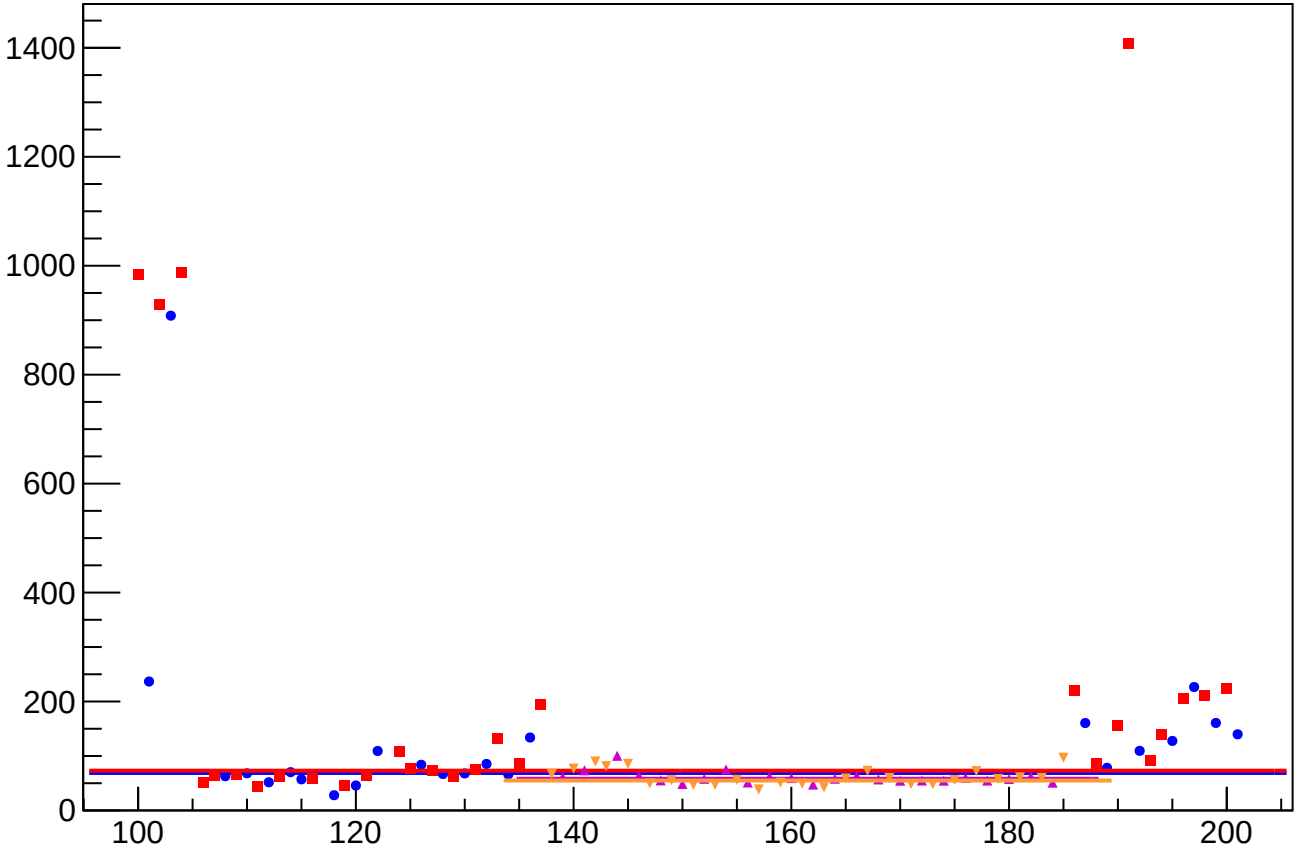
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 49.2/47

All: 0.011+/-0.009 χ^2/NDF: 94.8/98

- sign 0.014+/-0.013 χ^2/NDF: 45.5/50

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: 73.001+/-0.018 χ^2/NDF: 5912168.6/27

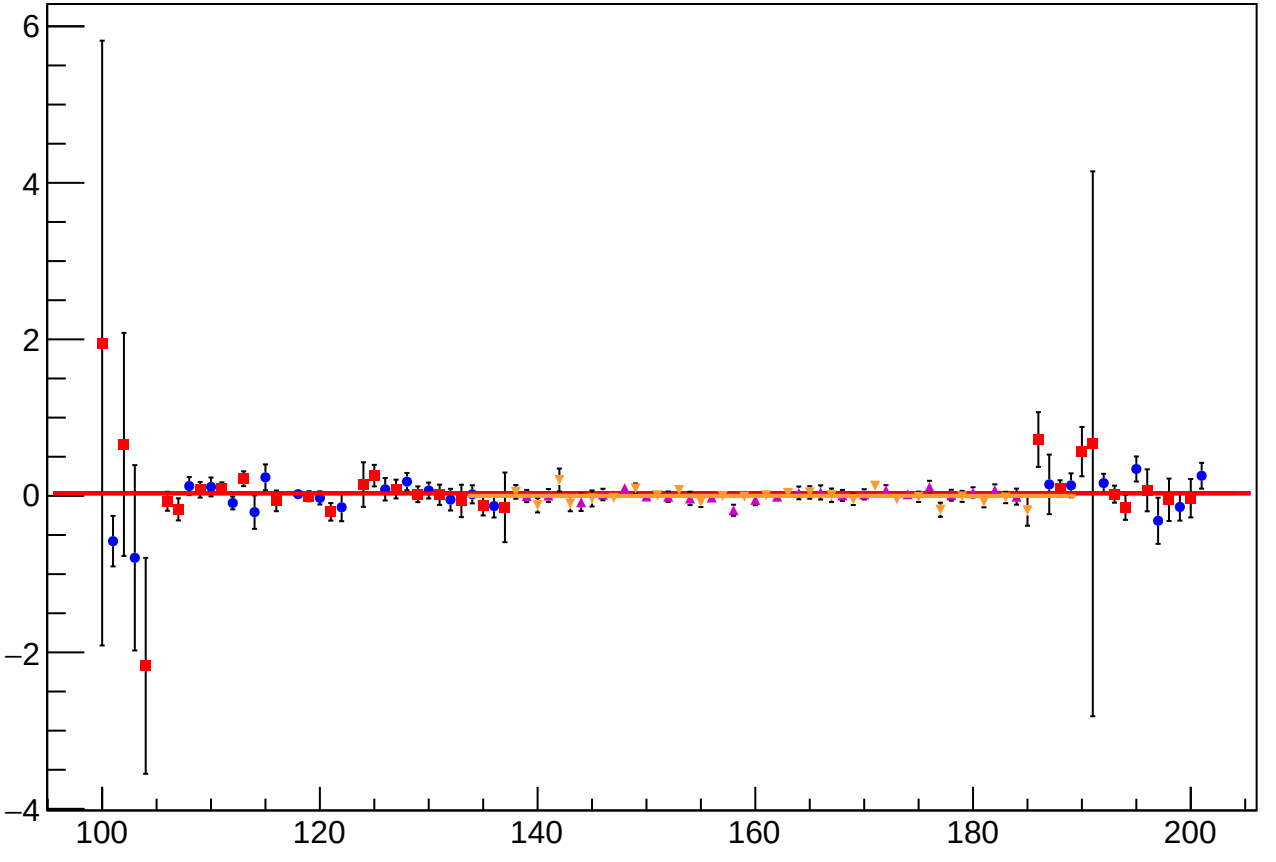
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.180+/-0.009 χ^2/NDF: 7419606.2/47

All: 59.977+/-0.006 χ^2/NDF: 14587172.7/98

- sign 61.913+/-0.009 χ^2/NDF: 7079492.4/50

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: 0.030+/-0.025 χ^2/NDF: 29.4/27

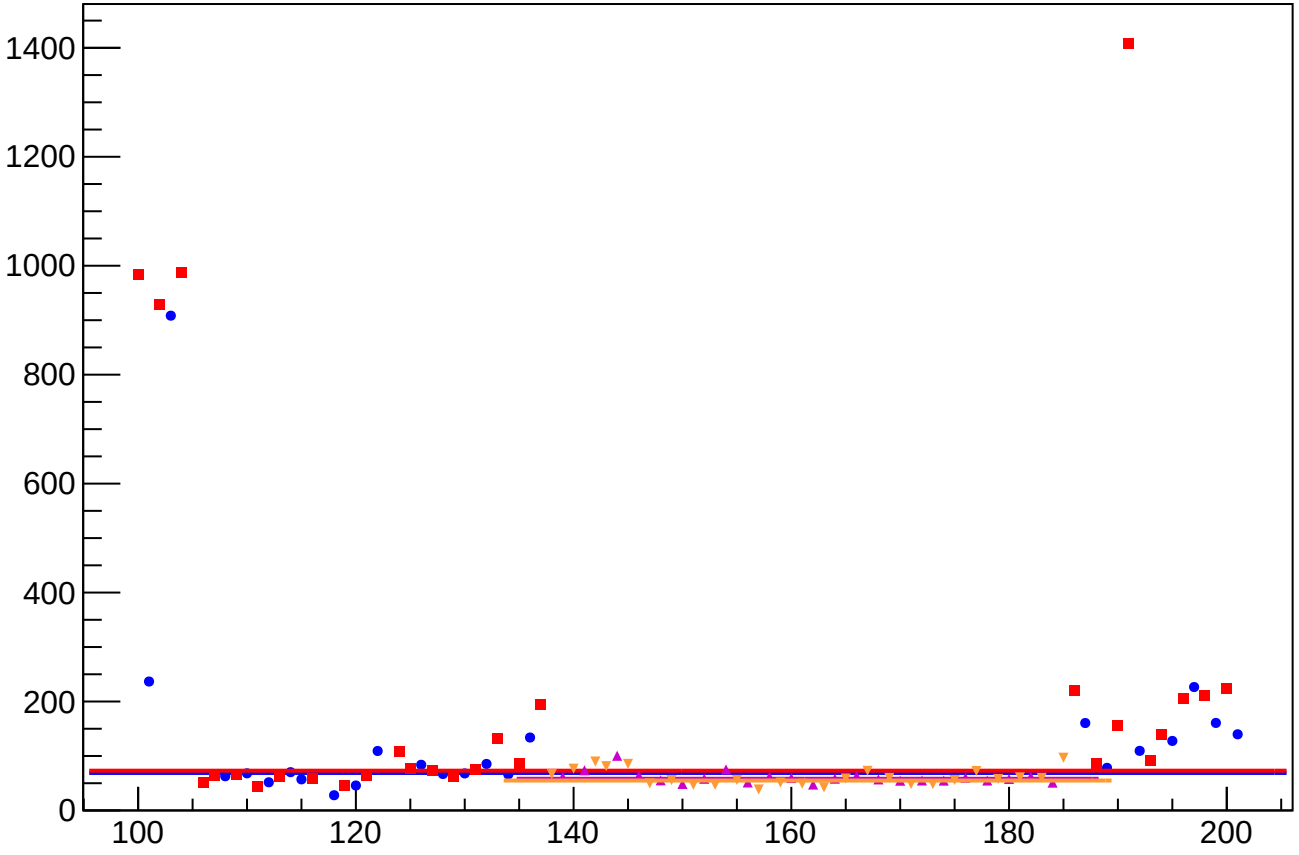
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 49.2/47

All: 0.011+/-0.009 χ^2/NDF: 94.8/98

- sign 0.014+/-0.013 χ^2/NDF: 45.5/50

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: 73.001+/-0.018 χ^2/NDF: 5912168.6/27

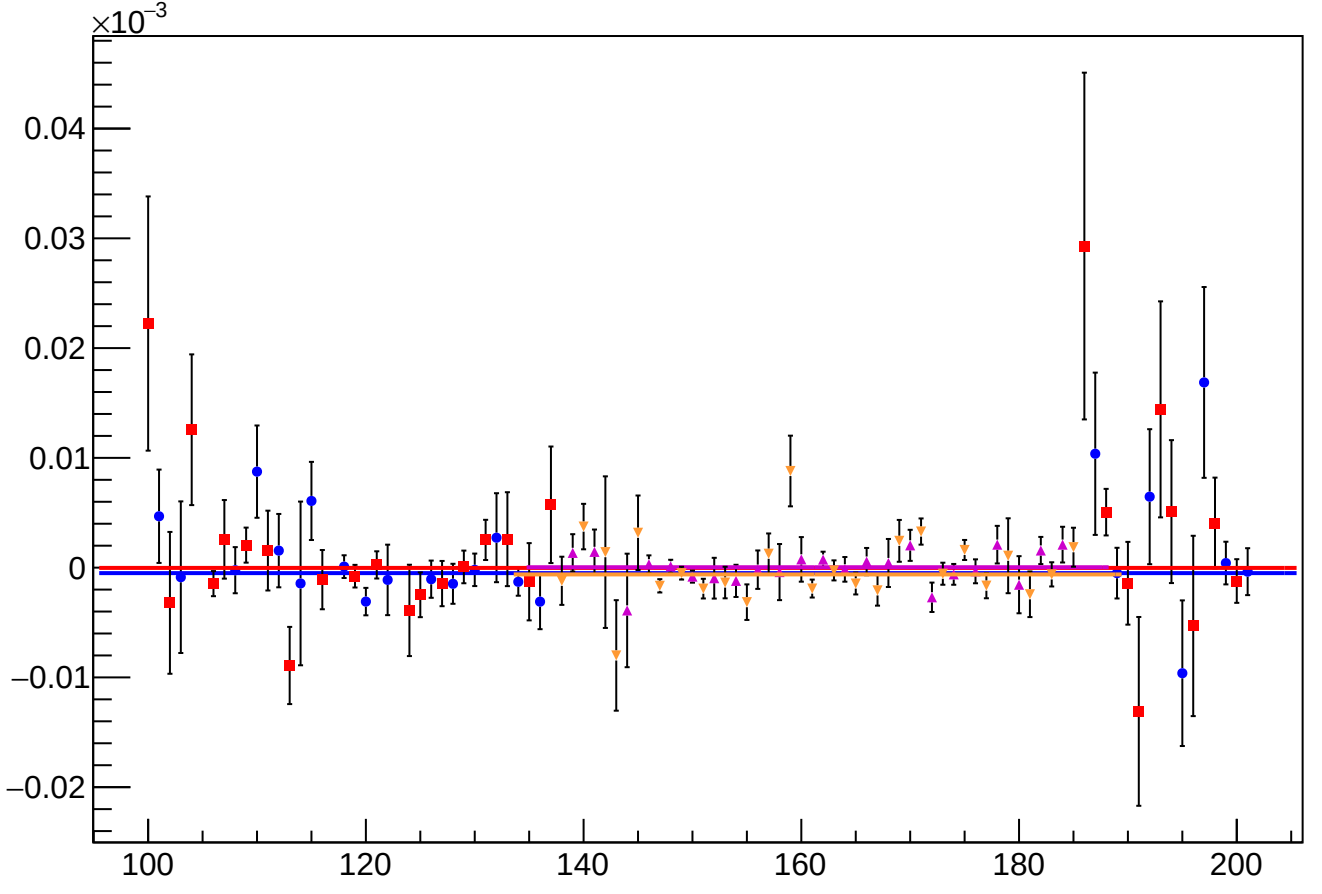
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.180+/-0.009 χ^2/NDF: 7419606.2/47

All: 59.977+/-0.006 χ^2/NDF: 14587172.7/98

- sign 61.913+/-0.009 χ^2/NDF: 7079492.4/50

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



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: 41.0/27

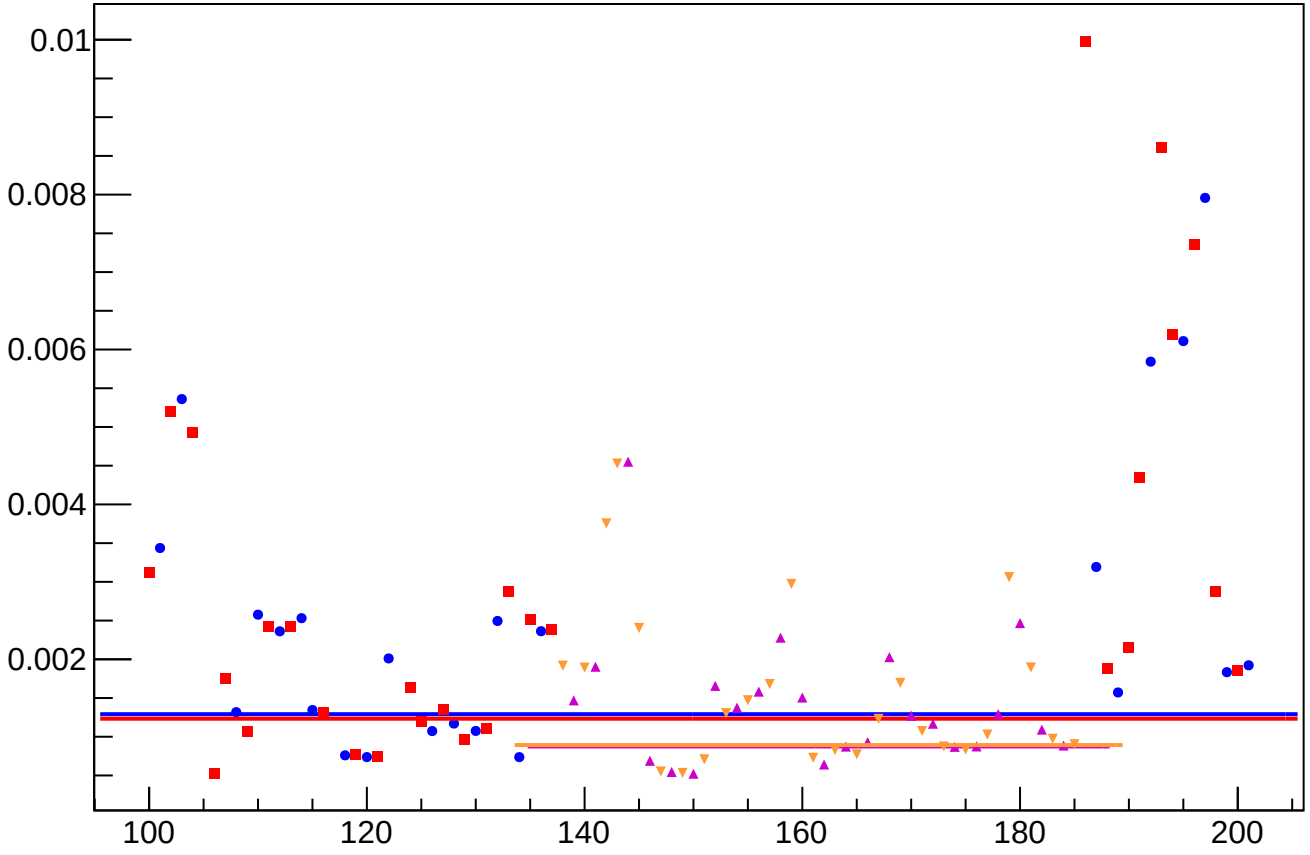
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.7/47

All: -0.000+/-0.000 χ^2/NDF: 143.3/98

- sign 0.000+/-0.000 χ^2/NDF: 59.2/50

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: 9235157.4/27

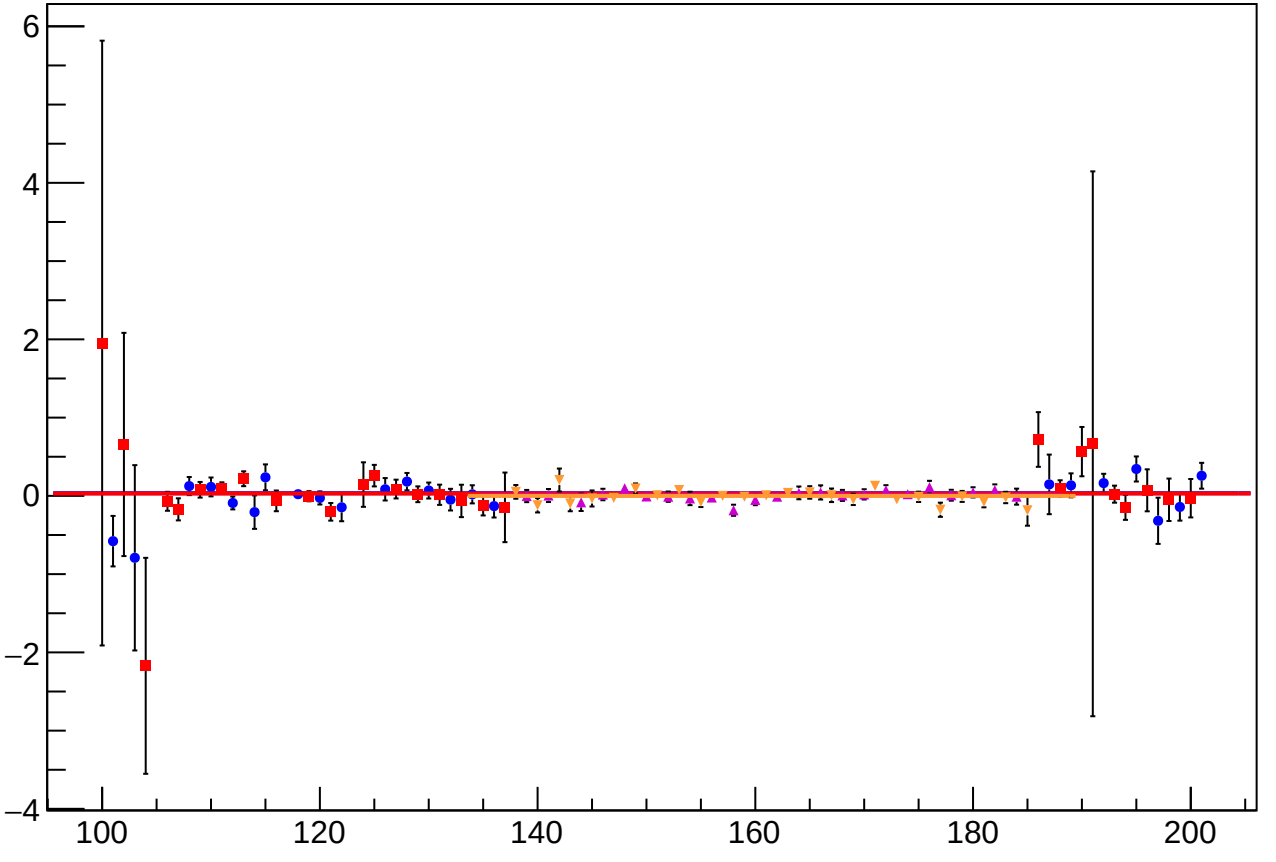
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 16470361.2/47

All: 0.001+/-0.000 χ^2/NDF: 33729721.2/98

- sign 0.001+/-0.000 χ^2/NDF: 17249738.6/50

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: 0.030+/-0.025 χ^2/NDF: 29.4/27

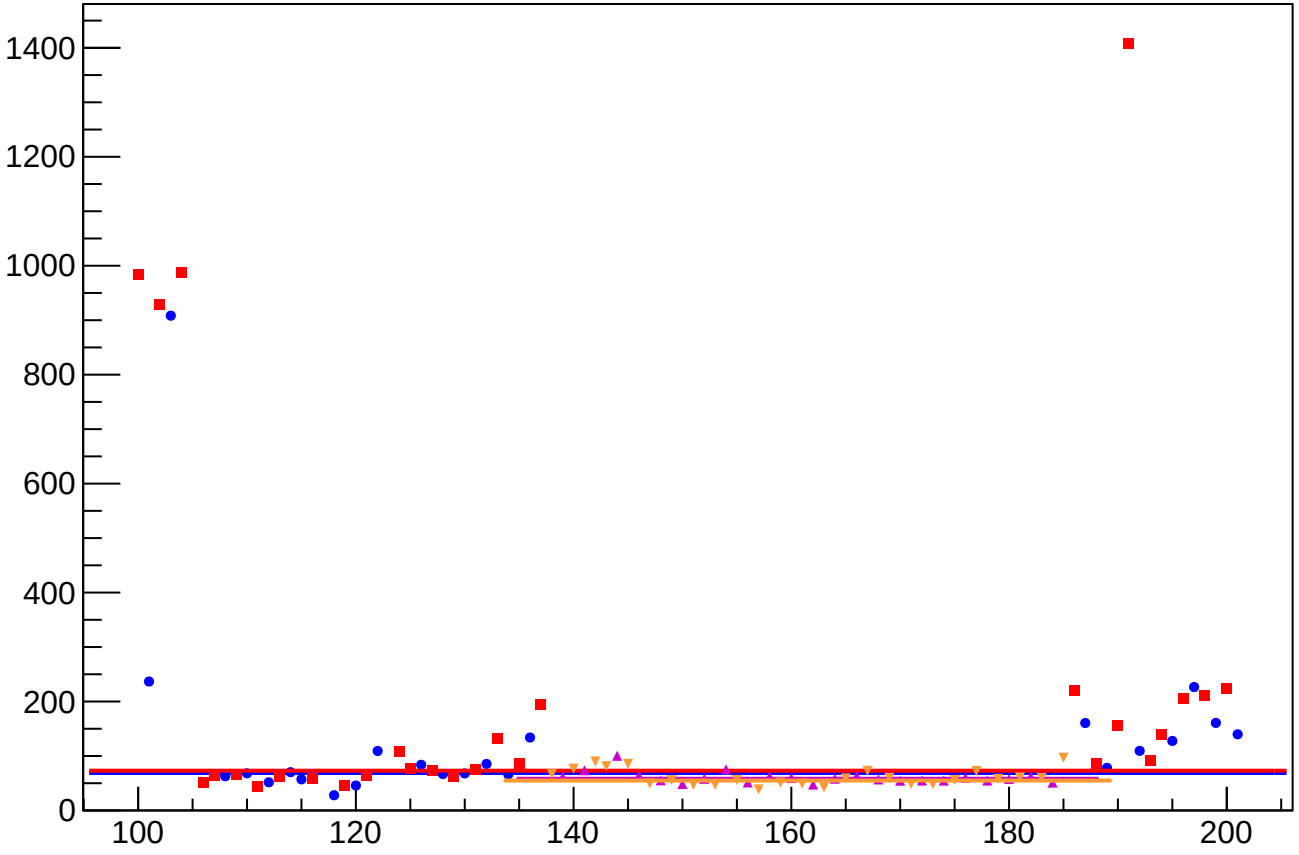
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 49.2/47

All: 0.011+/-0.009 χ^2/NDF: 94.8/98

- sign 0.014+/-0.013 χ^2/NDF: 45.5/50

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: 73.001+/-0.018 χ^2/NDF: 5912189.4/27

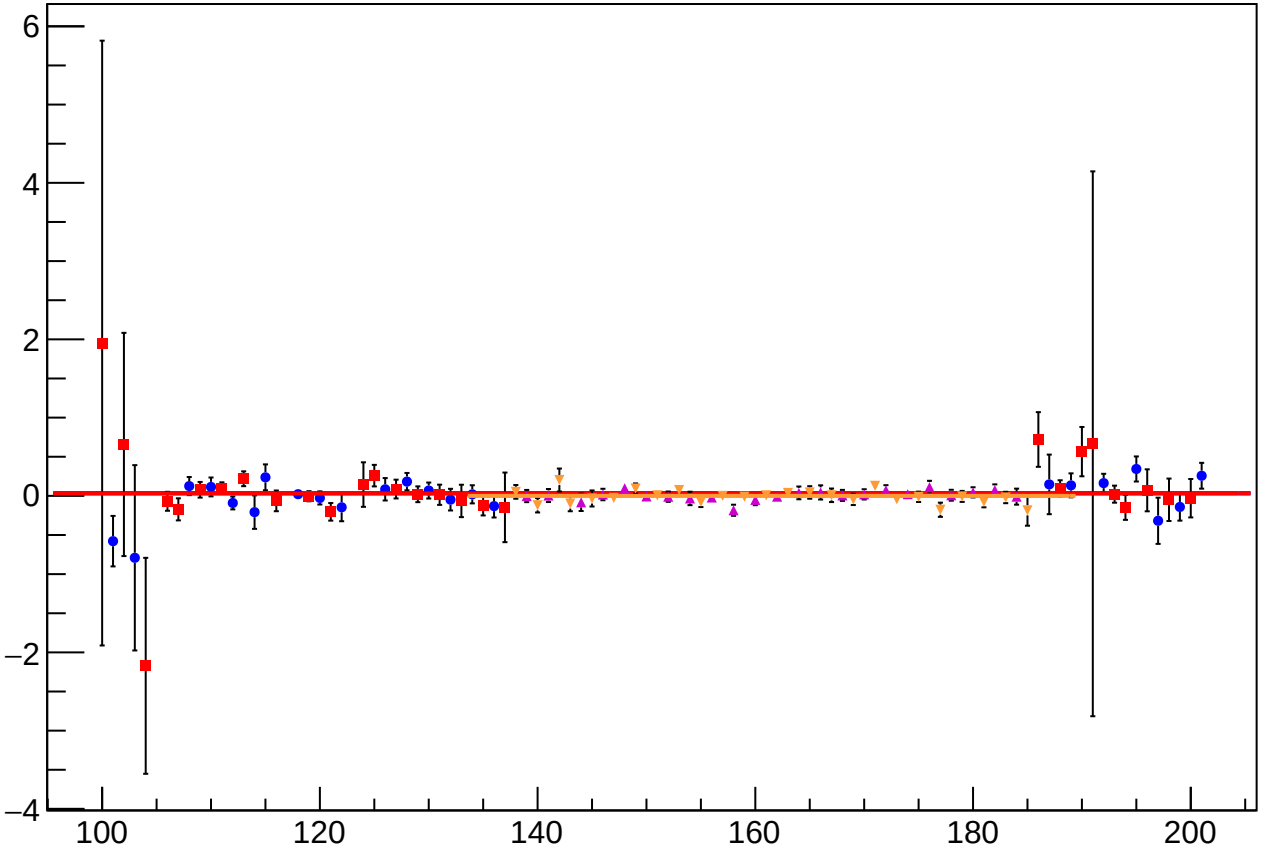
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.179+/-0.009 χ^2/NDF: 7419786.4/47

All: 59.976+/-0.006 χ^2/NDF: 14587399.5/98

- sign 61.913+/-0.009 χ^2/NDF: 7079515.4/50

asym_atr1_eigen_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: 0.030+/-0.025 χ^2/NDF: 29.4/27

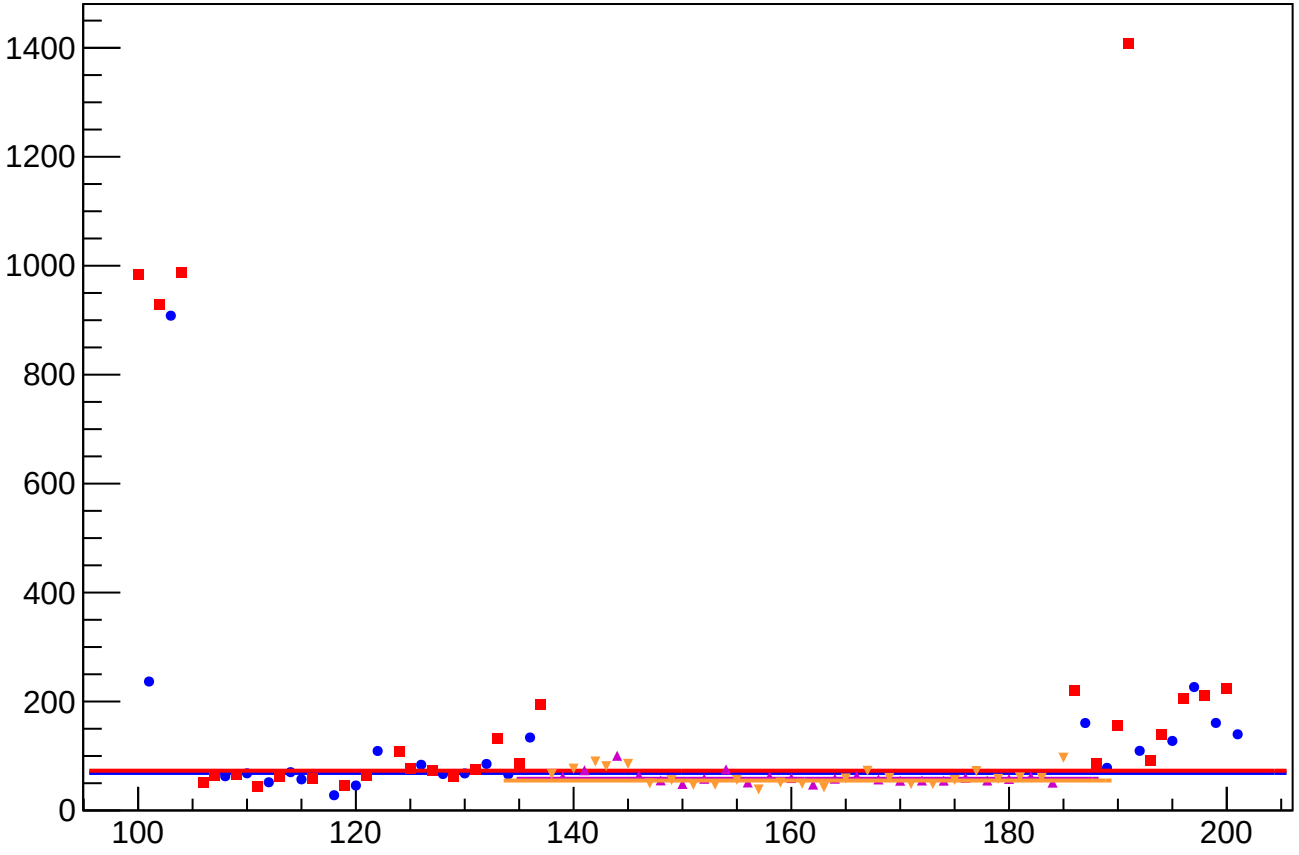
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.012 χ^2/NDF: 49.2/47

All: 0.011+/-0.009 χ^2/NDF: 94.8/98

- sign 0.014+/-0.013 χ^2/NDF: 45.5/50

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

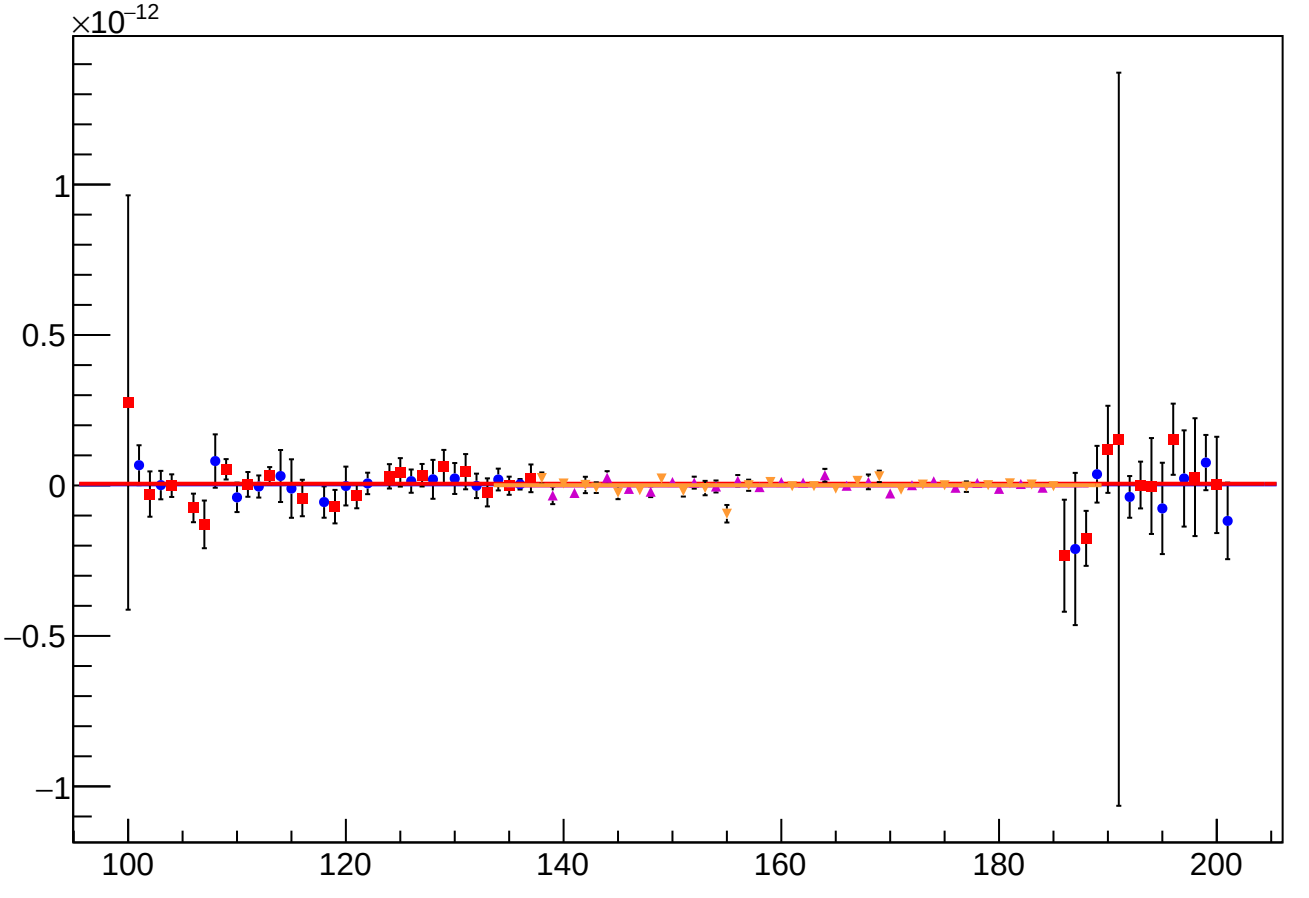
Right Out: 73.001+/-0.018 χ^2/NDF: 5912189.4/27

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.179+/-0.009 χ^2/NDF: 7419786.4/47

All: 59.976+/-0.006 χ^2/NDF: 14587399.5/98

- sign 61.913+/-0.009 χ^2/NDF: 7079515.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 7.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

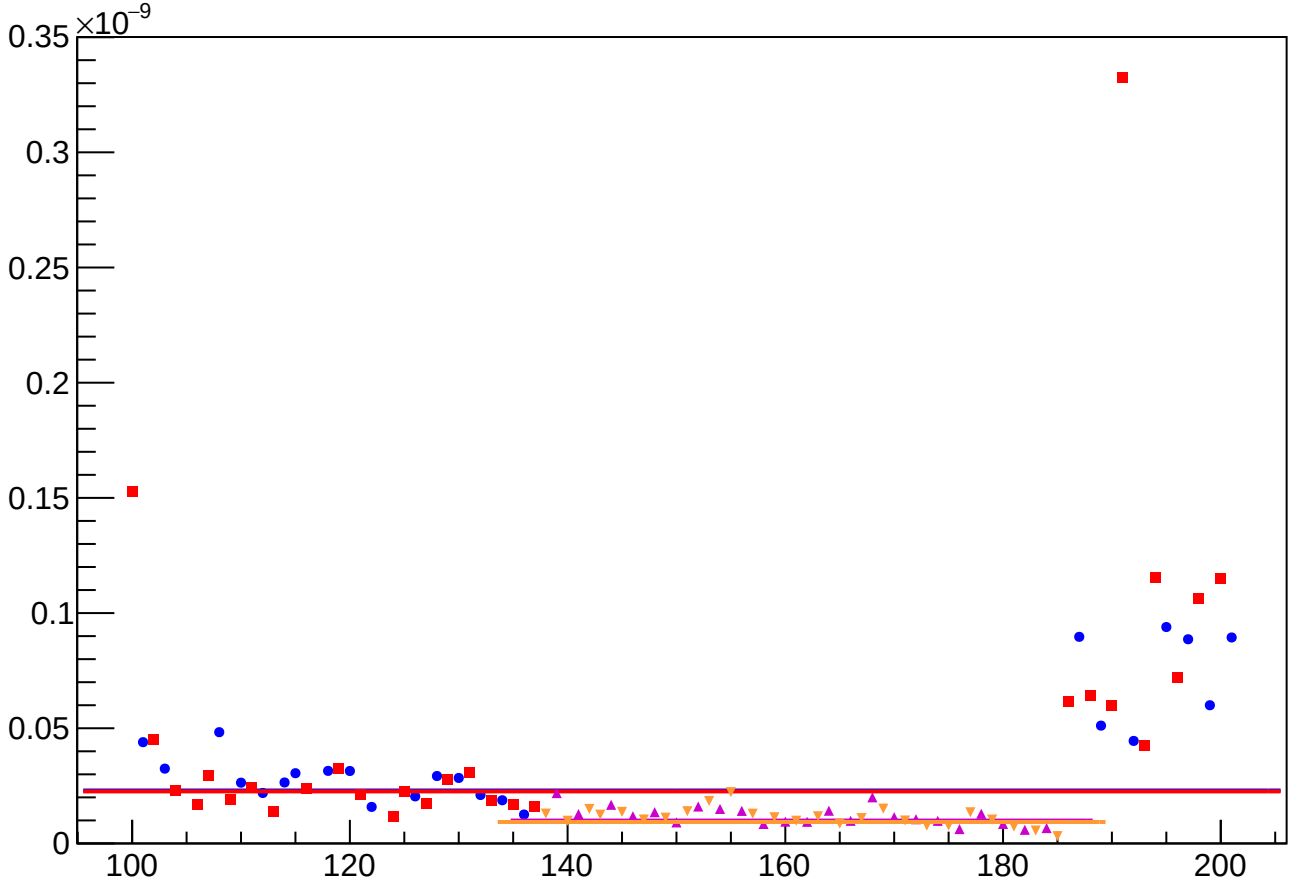
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/27

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: 77.4/98

- sign 0.000+/-0.000 χ^2/NDF: 44.5/50



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: 3893104.4/27

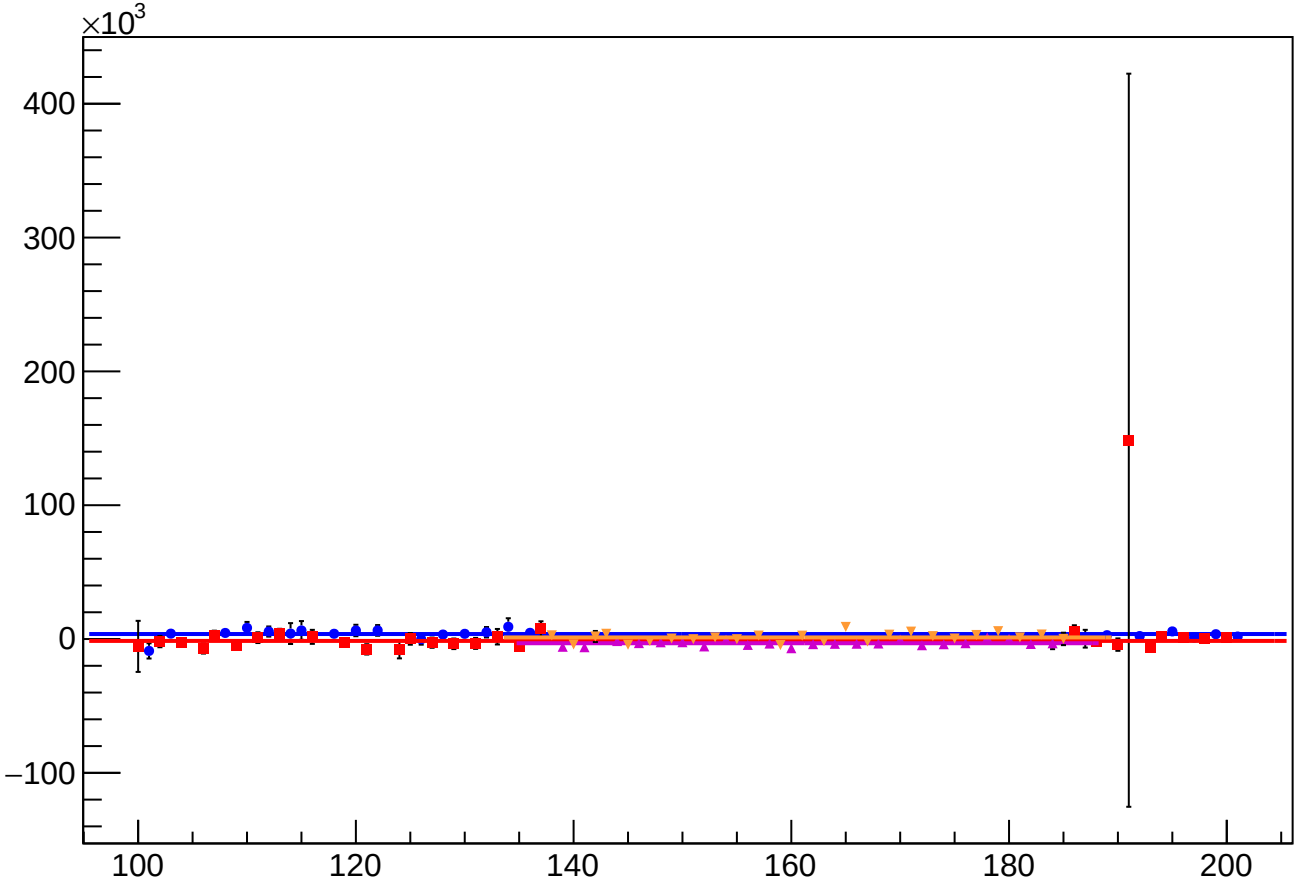
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10158949.6/47

All: 0.000+/-0.000 χ^2/NDF: 19718316.8/98

- sign 0.000+/-0.000 χ^2/NDF: 9497833.5/50

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: -1411.766+/-722.600 χ^2/NDF: 24.1/27

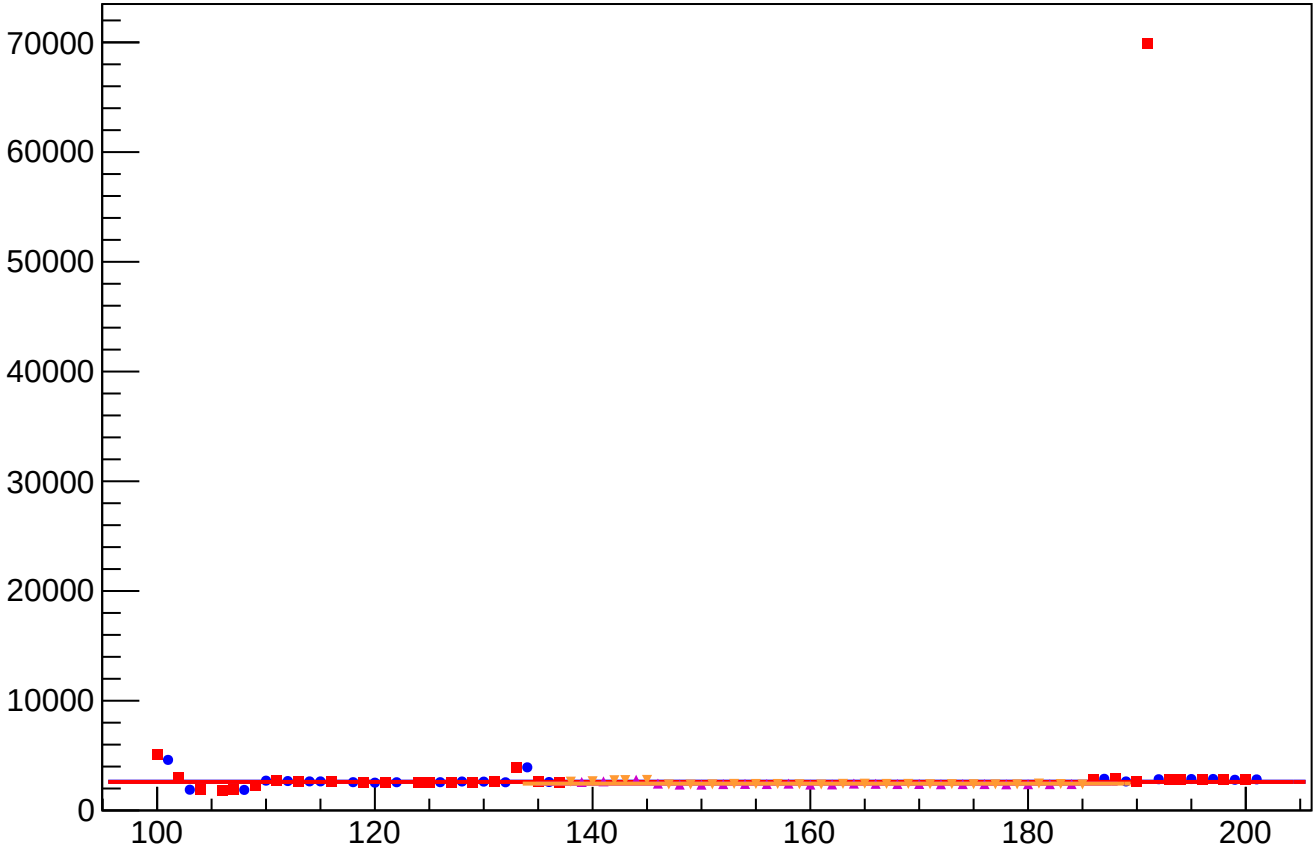
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2083.450+/-448.178 χ^2/NDF: 49.8/47

All: -204.928+/-316.545 χ^2/NDF: 142.1/98

- sign -2482.803+/-447.149 χ^2/NDF: 40.3/50

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: 2598.496+/-0.511 χ^2/NDF: 719958.6/27

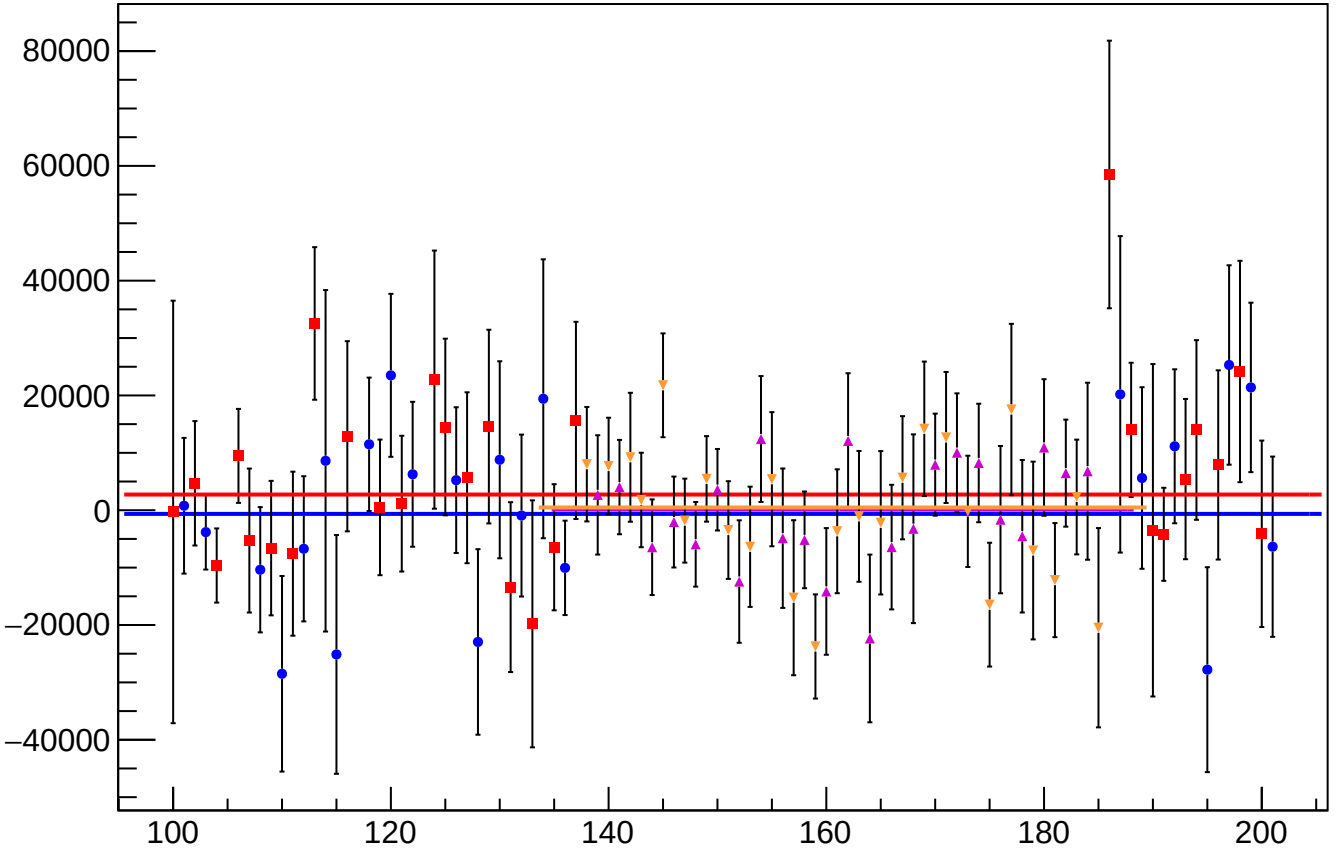
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2507.828+/-0.317 χ^2/NDF: 856587.2/47

All: 2502.999+/-0.224 χ^2/NDF: 1698648.3/98

- sign 2498.192+/-0.316 χ^2/NDF: 841597.8/50

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: 2731.273+/-2441.125 χ^2/NDF: 26.4/27

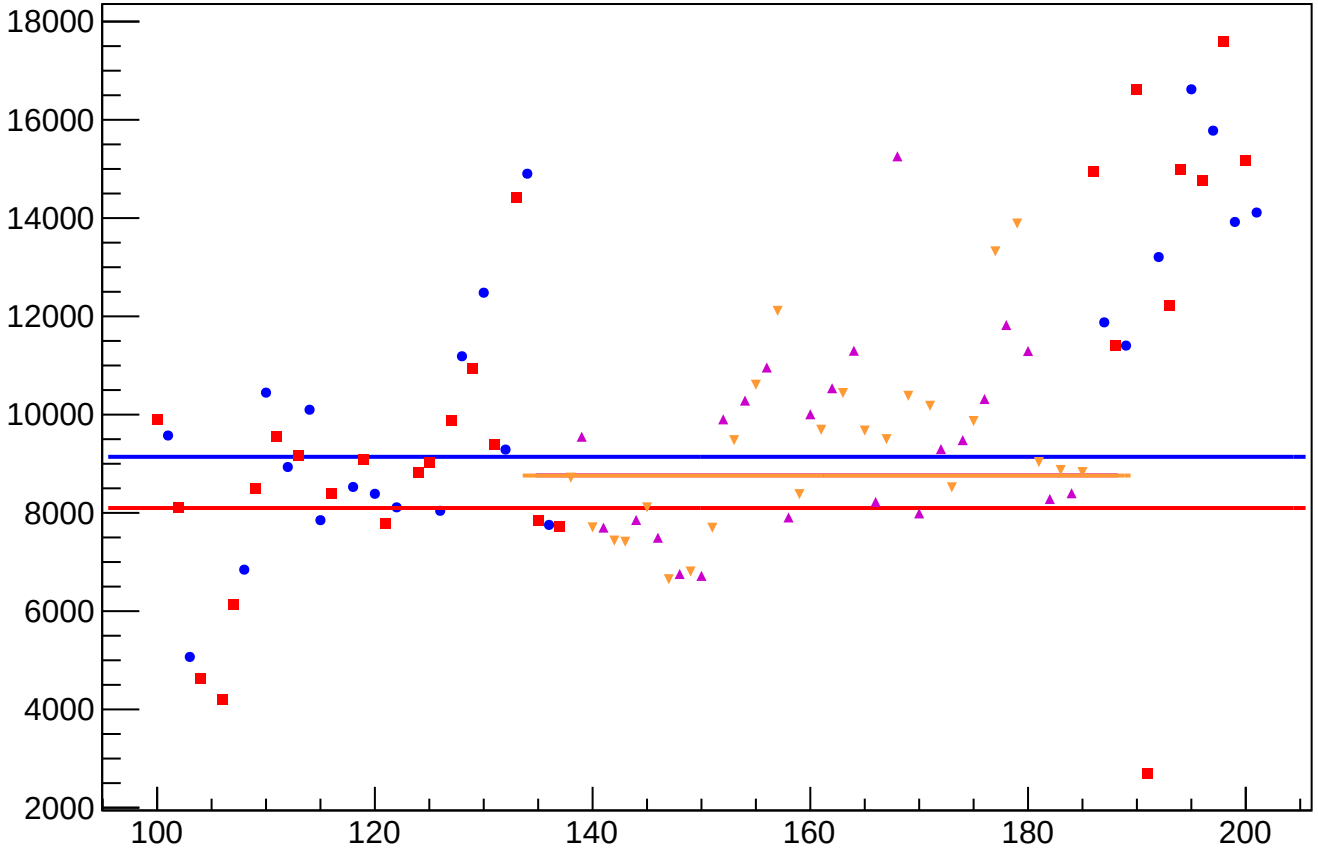
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign 82.592+/-1637.535 χ^2/NDF: 50.0/47

All: 666.881+/-1139.999 χ^2/NDF: 91.8/98

- sign 1216.362+/-1588.009 χ^2/NDF: 41.5/50

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: 8099.216+/-1.726 χ^2/NDF: 4564973.5/27

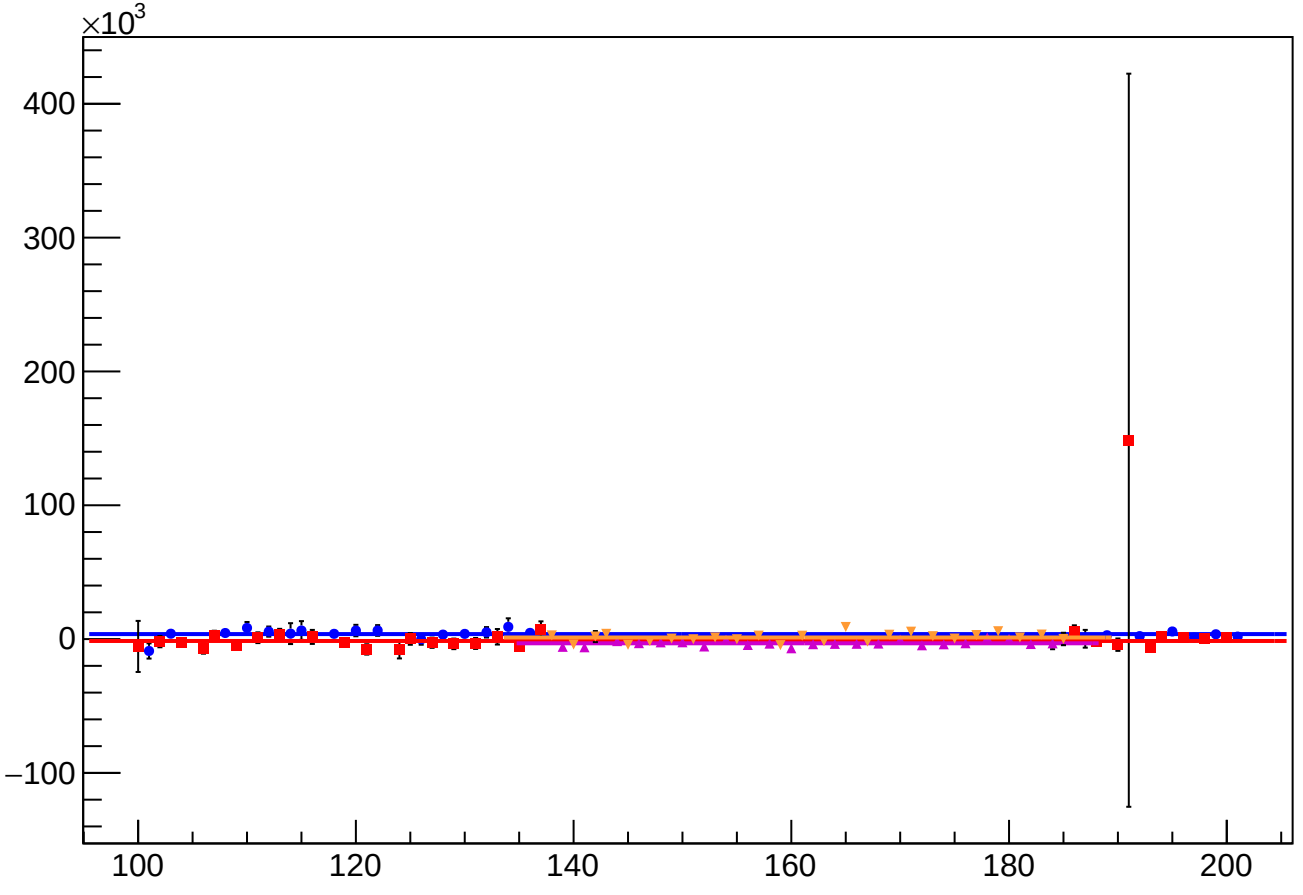
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8894.297+/-1.158 χ^2/NDF: 3752992.1/47

All: 8682.208+/-0.806 χ^2/NDF: 9760356.1/98

- sign 8482.755+/-1.123 χ^2/NDF: 5942264.2/50

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: -1412.162+/-722.604 χ^2/NDF: 24.1/27

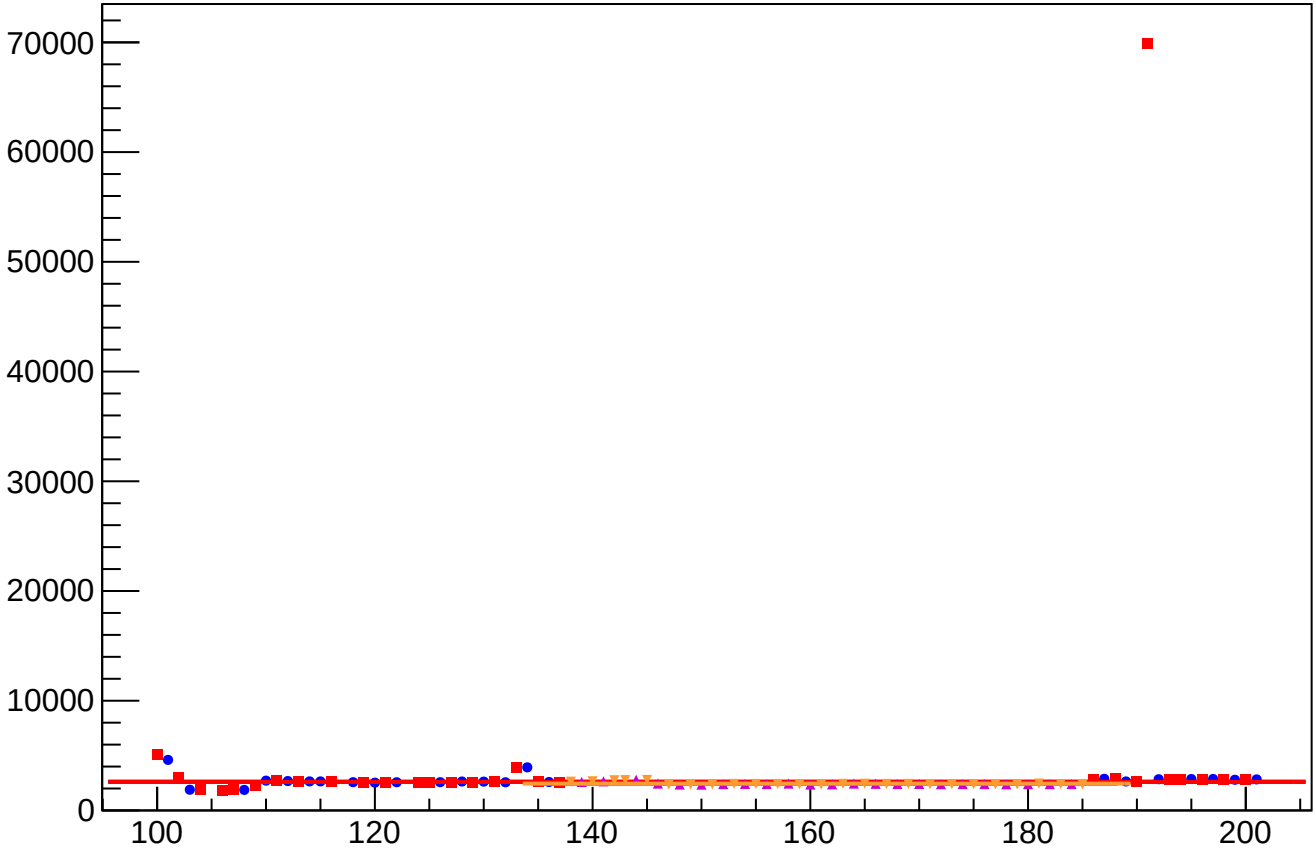
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2083.270+/-448.178 χ^2/NDF: 49.8/47

All: -205.031+/-316.546 χ^2/NDF: 142.1/98

- sign -2482.837+/-447.150 χ^2/NDF: 40.3/50

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: 2598.512+/-0.511 χ^2/NDF: 719886.3/27

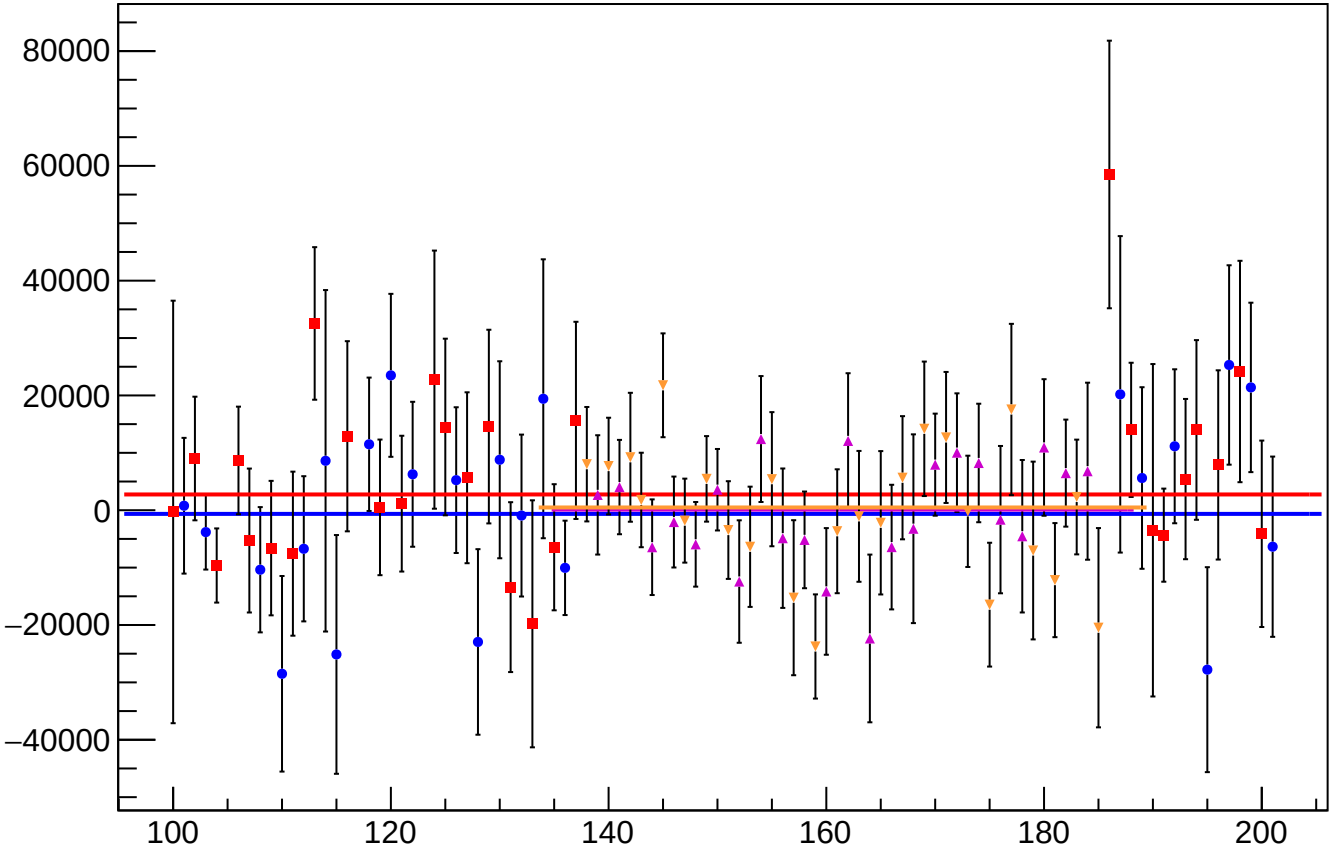
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2507.828+/-0.317 χ^2/NDF: 856584.9/47

All: 2503.002+/-0.224 χ^2/NDF: 1698585.5/98

- sign 2498.198+/-0.316 χ^2/NDF: 841537.8/50

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: 2745.908+/-2466.641 χ^2/NDF: 26.4/27

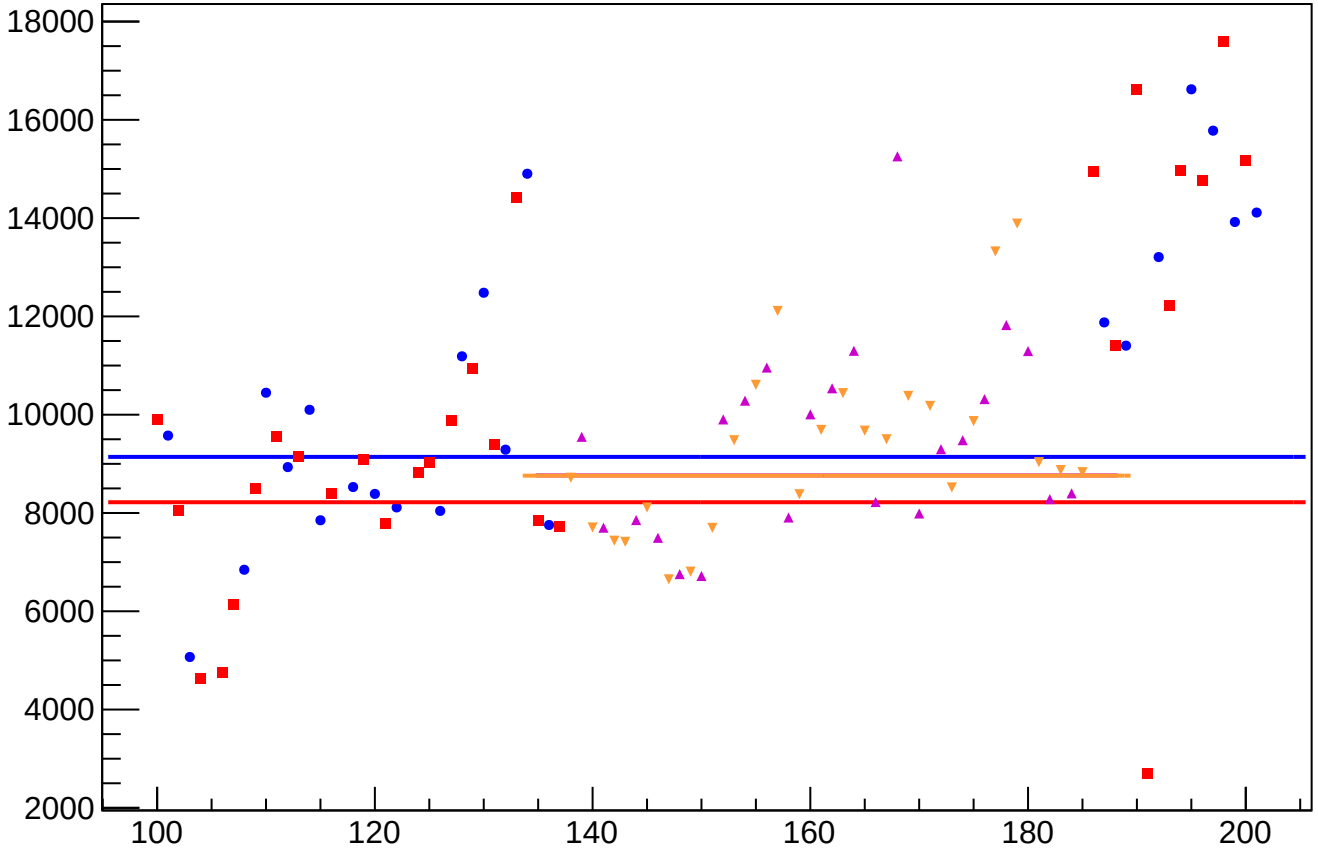
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 82.732+/-1637.548 χ^2/NDF: 50.0/47

All: 660.807+/-1142.570 χ^2/NDF: 91.8/98

- sign 1209.211+/-1594.969 χ^2/NDF: 41.6/50

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: 8218.708+/-1.744 χ^2/NDF: 4358686.6/27

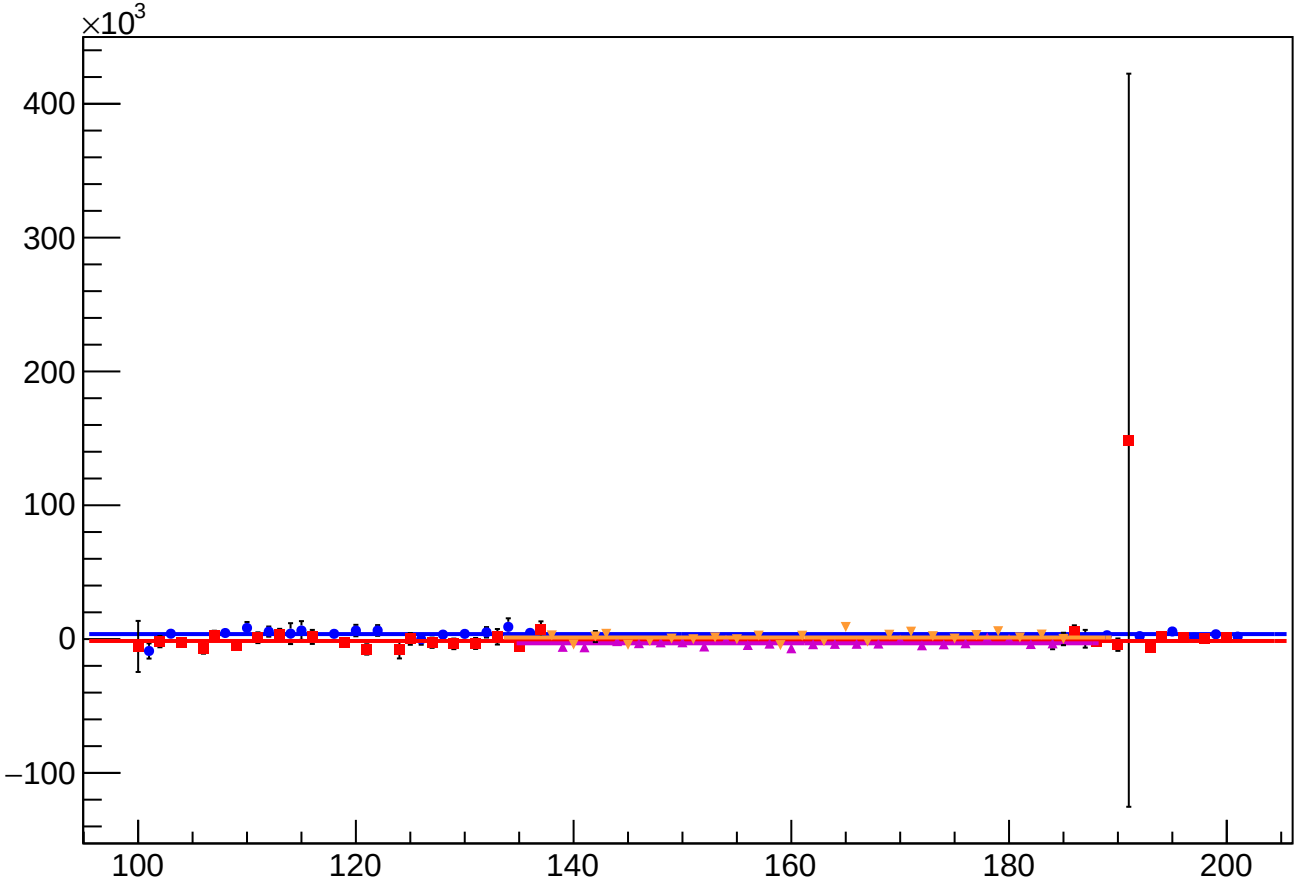
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8894.397+/-1.158 χ^2/NDF: 3752570.9/47

All: 8710.521+/-0.808 χ^2/NDF: 9508999.4/98

- sign 8536.083+/-1.128 χ^2/NDF: 5707289.0/50

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: -1412.162+/-722.604 χ^2/NDF: 24.1/27

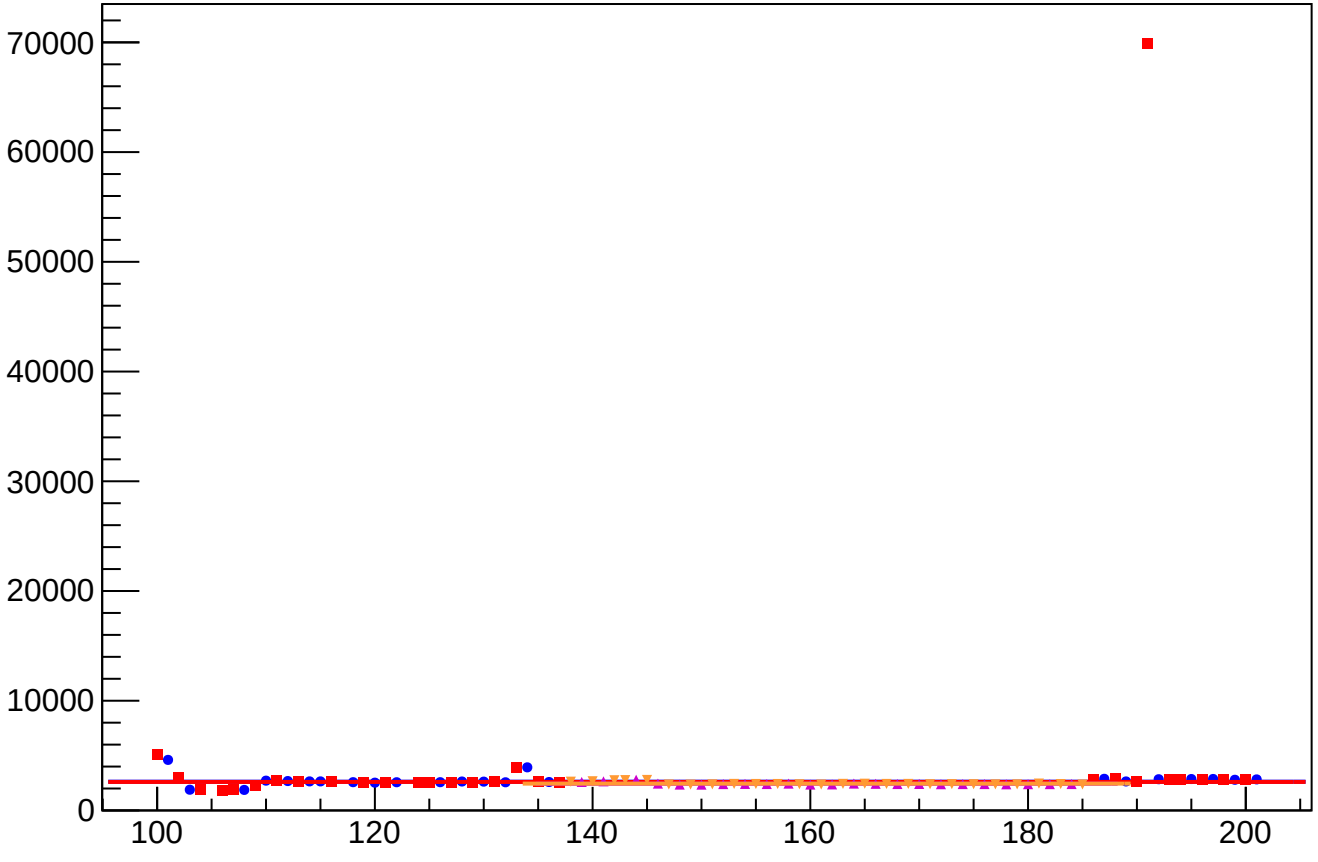
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2083.270+/-448.178 χ^2/NDF: 49.8/47

All: -205.031+/-316.546 χ^2/NDF: 142.1/98

- sign -2482.837+/-447.150 χ^2/NDF: 40.3/50

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: 2598.512+/-0.511 χ^2/NDF: 719886.3/27

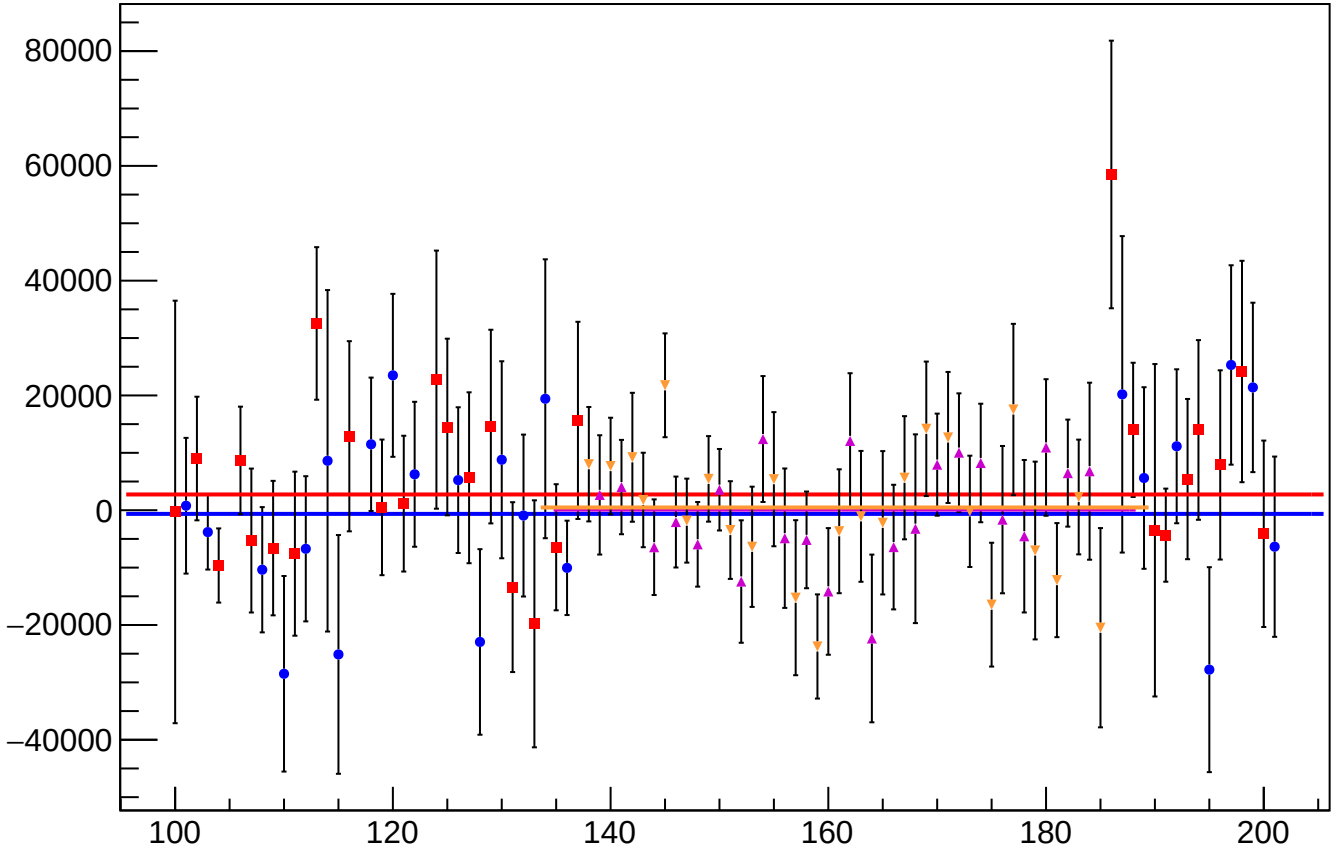
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2507.828+/-0.317 χ^2/NDF: 856584.9/47

All: 2503.002+/-0.224 χ^2/NDF: 1698585.5/98

- sign 2498.198+/-0.316 χ^2/NDF: 841537.8/50

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: 2745.908+/-2466.641 χ^2/NDF: 26.4/27

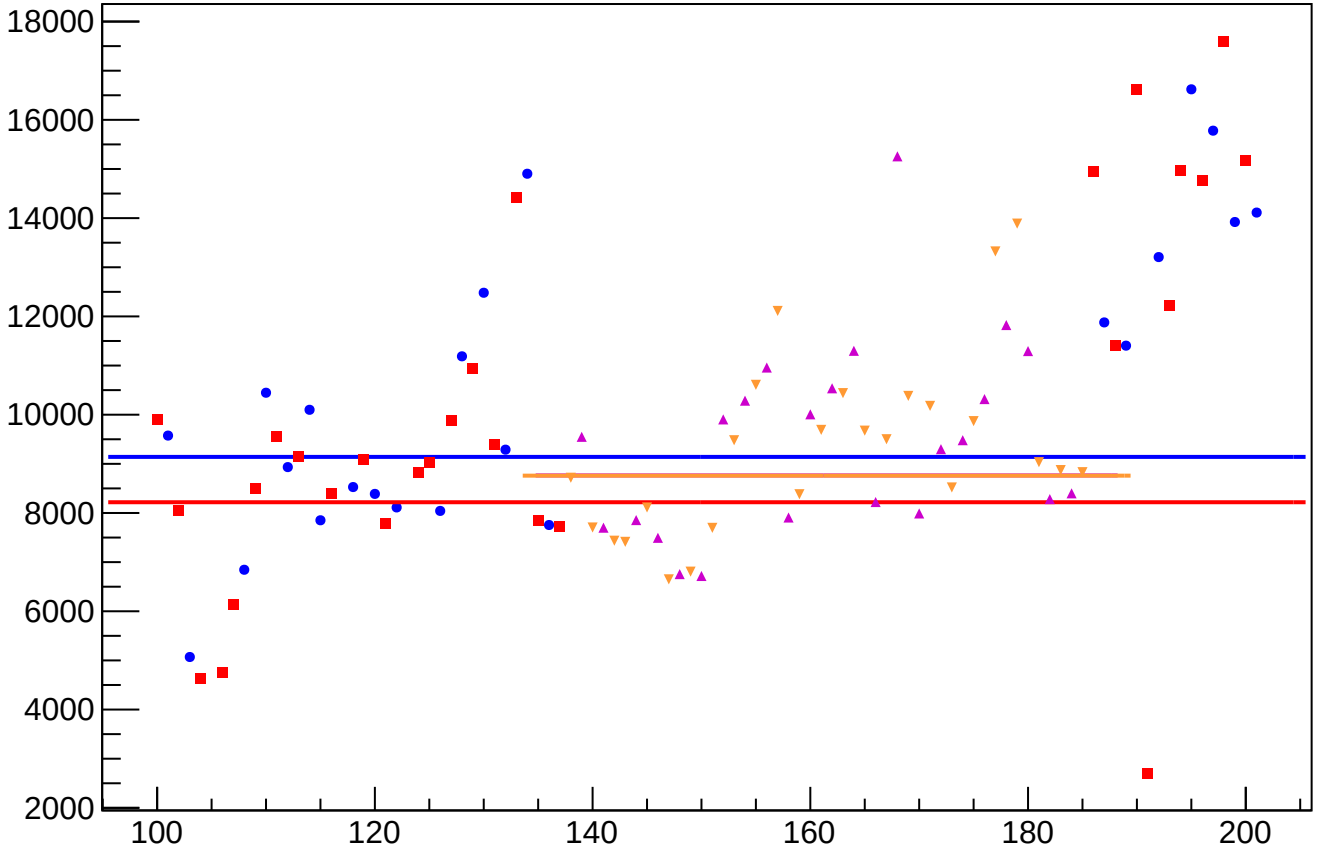
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 82.732+/-1637.548 χ^2/NDF: 50.0/47

All: 660.807+/-1142.570 χ^2/NDF: 91.8/98

- sign 1209.211+/-1594.969 χ^2/NDF: 41.6/50

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: 8218.708+/-1.744 χ^2/NDF: 4358686.6/27

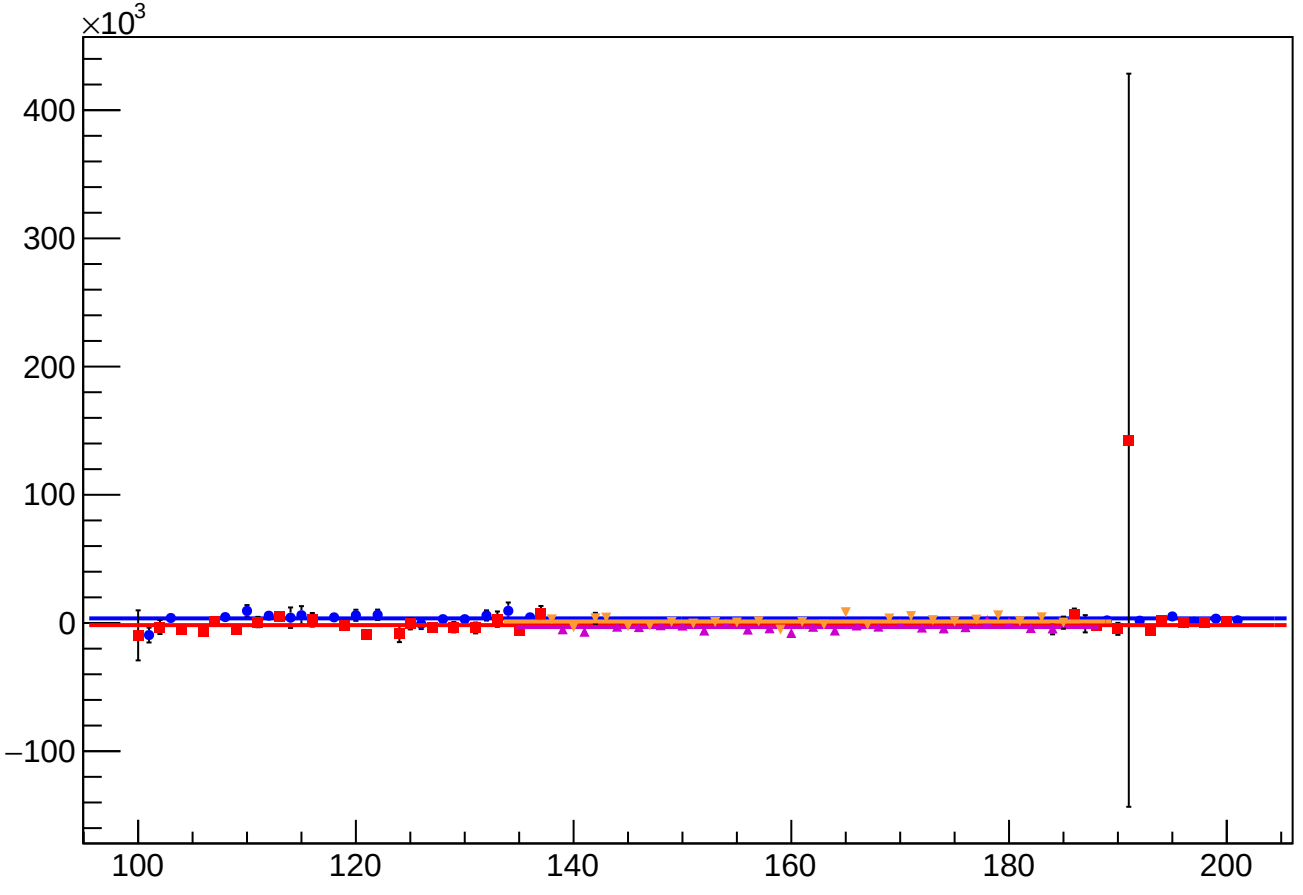
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8894.397+/-1.158 χ^2/NDF: 3752570.9/47

All: 8710.521+/-0.808 χ^2/NDF: 9508999.4/98

- sign 8536.083+/-1.128 χ^2/NDF: 5707289.0/50

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: -1652.285+/-749.170 χ^2/NDF: 27.4/27

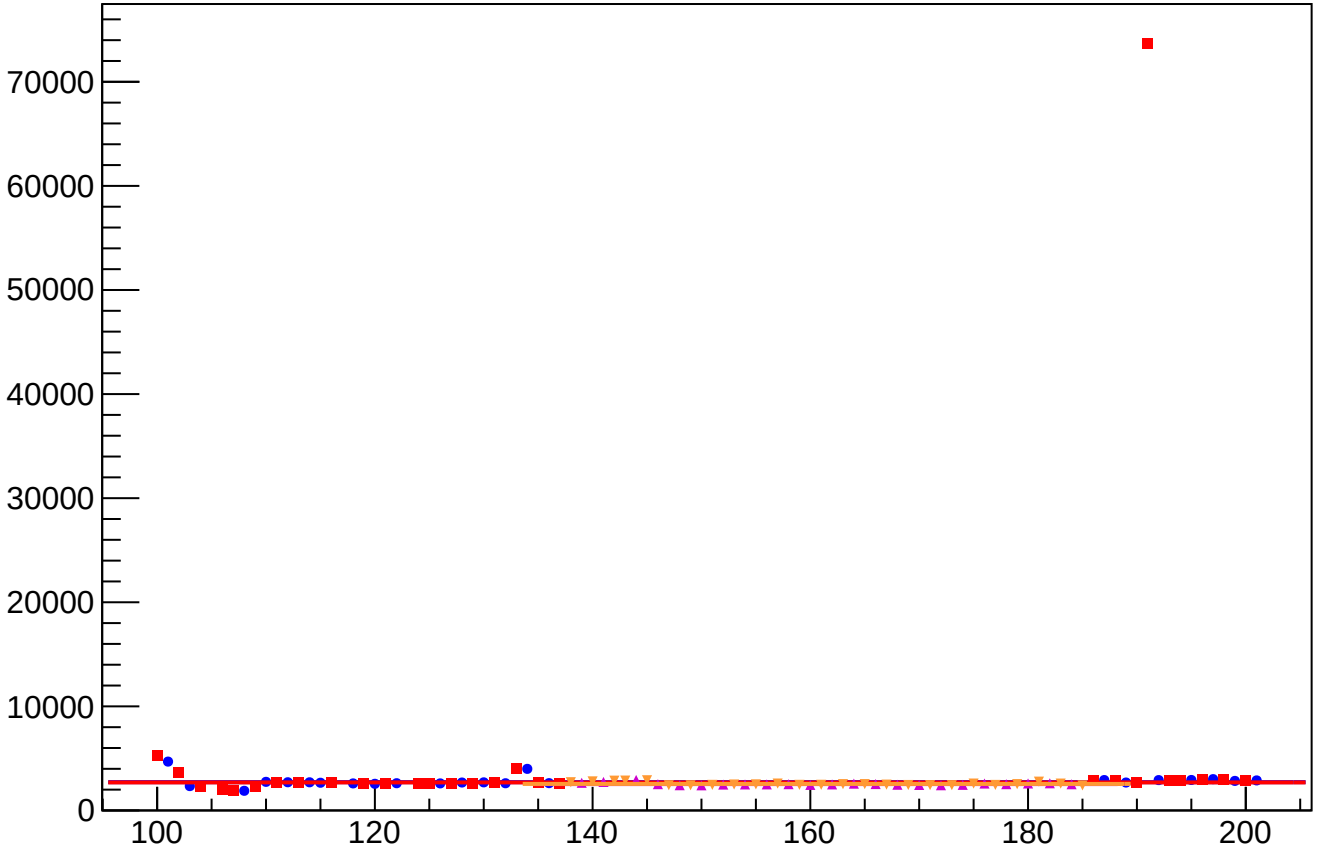
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2059.184+/-465.846 χ^2/NDF: 45.3/47

All: -264.059+/-328.940 χ^2/NDF: 141.2/98

- sign -2574.304+/-464.541 χ^2/NDF: 46.3/50

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: 2693.344+/-0.530 χ^2/NDF: 627000.8/27

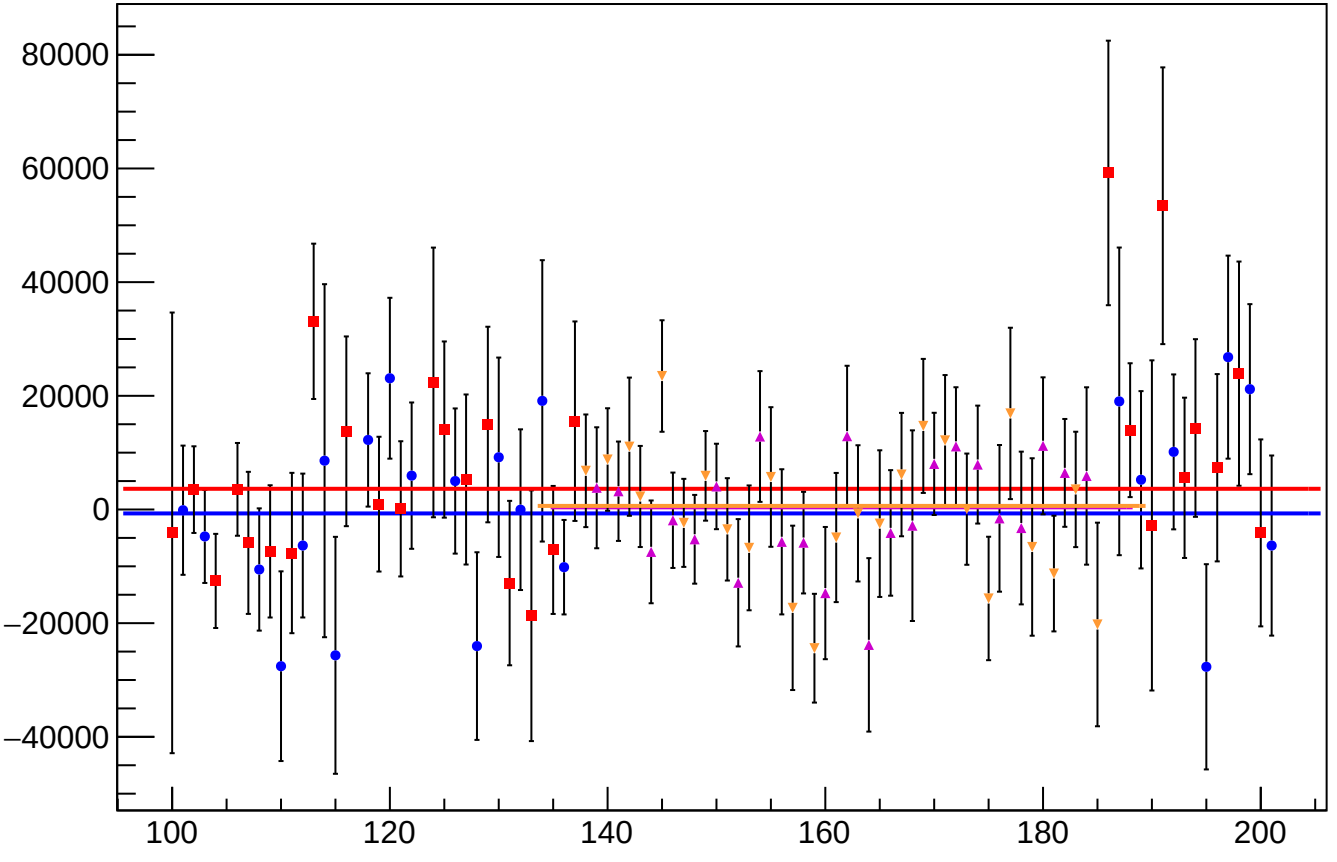
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2608.531+/-0.329 χ^2/NDF: 730167.2/47

All: 2601.514+/-0.233 χ^2/NDF: 1483090.3/98

- sign 2594.538+/-0.328 χ^2/NDF: 752018.1/50

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: 3641.320+/-2563.586 χ^2/NDF: 28.9/27

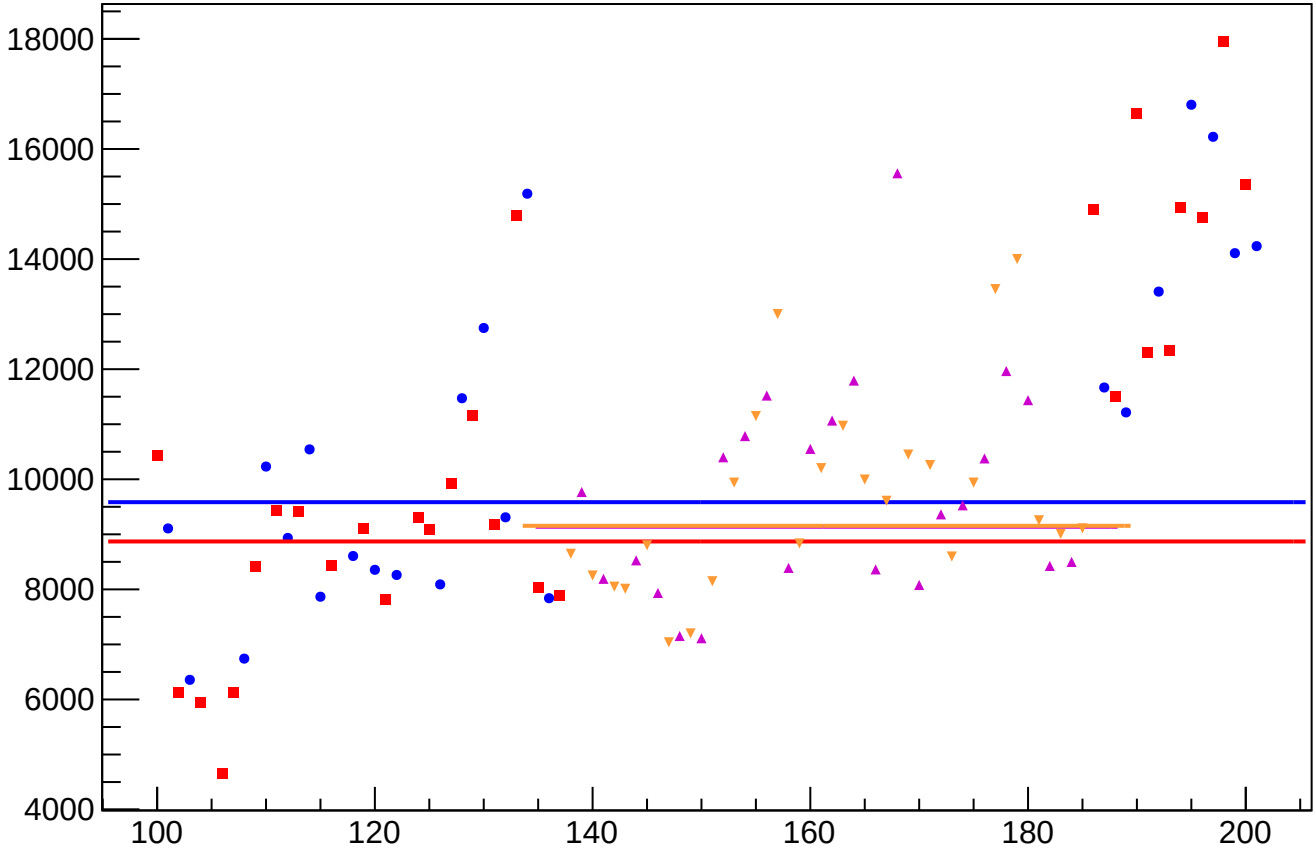
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 160.810+/-1704.191 χ^2/NDF: 49.1/47

All: 974.023+/-1188.785 χ^2/NDF: 93.7/98

- sign 1744.778+/-1659.107 χ^2/NDF: 44.1/50

asym_atr2_dit_correction_rms vs Slug



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: 8870.267+/-1.813 χ^2/NDF: 3209056.6/27

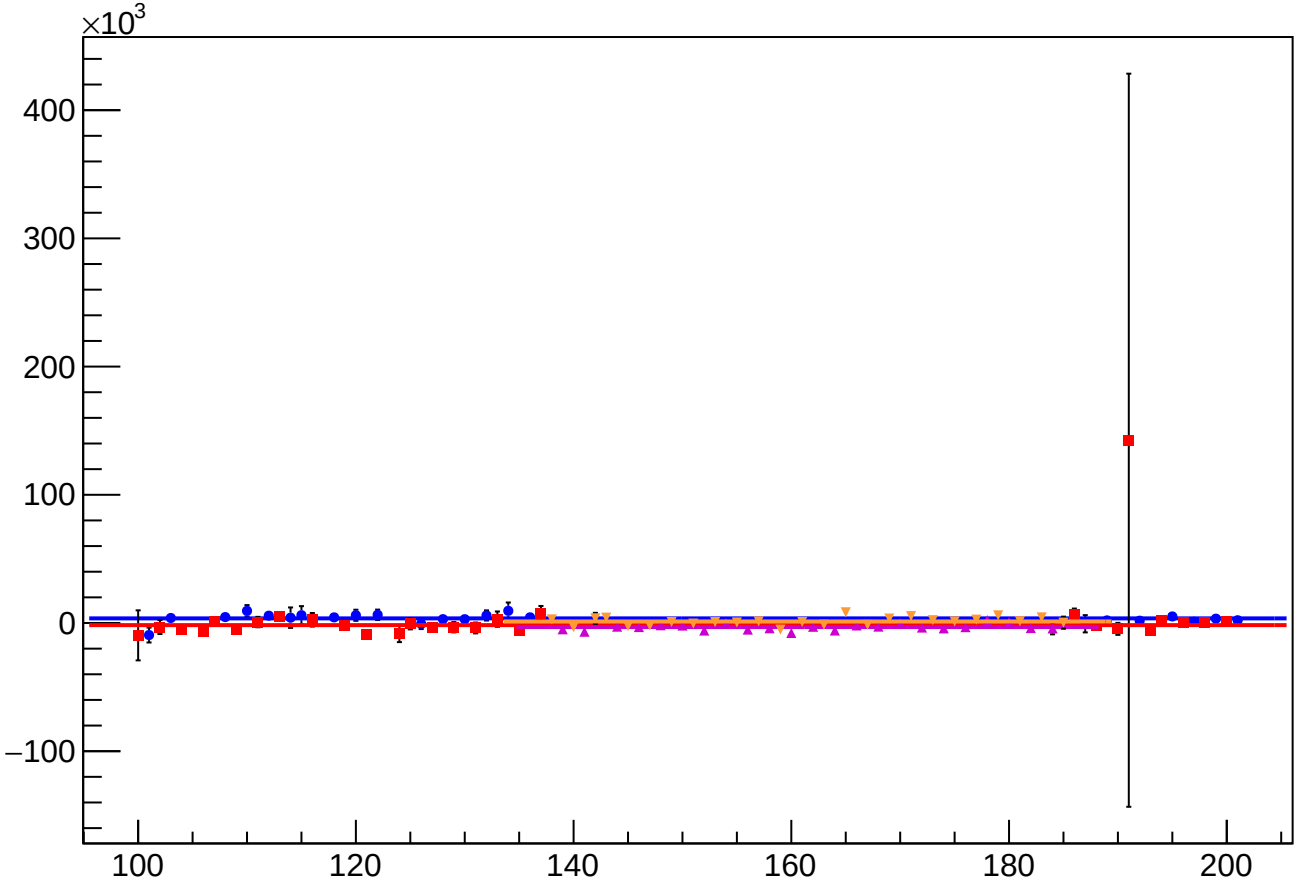
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9307.450+/-1.205 χ^2/NDF: 3081835.0/47

All: 9162.755+/-0.841 χ^2/NDF: 7504403.9/98

- sign 9025.615+/-1.173 χ^2/NDF: 4394486.1/50

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: -1652.291+/-749.170 χ^2/NDF: 27.4/27

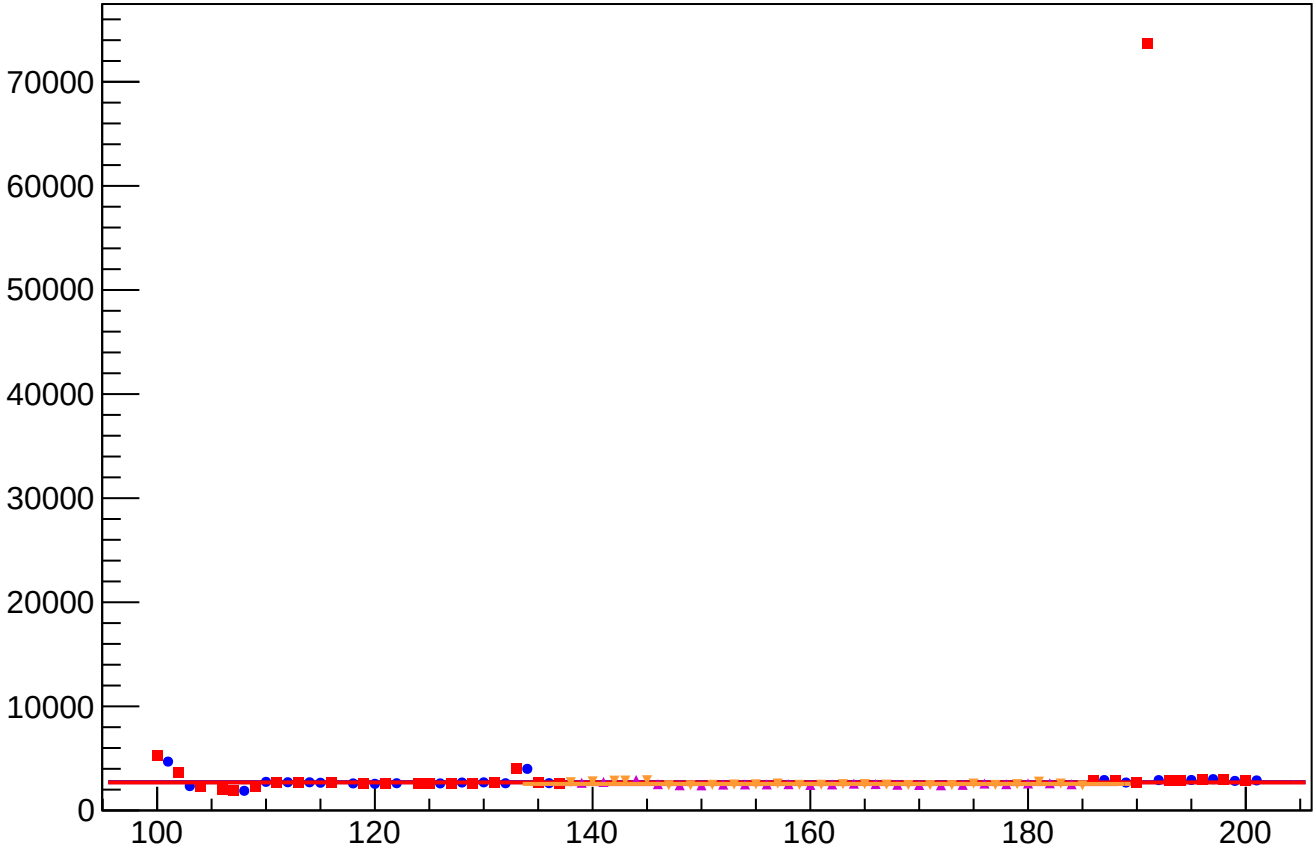
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2059.179+/-465.846 χ^2/NDF: 45.3/47

All: -264.062+/-328.941 χ^2/NDF: 141.2/98

- sign -2574.305+/-464.541 χ^2/NDF: 46.3/50

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: 2693.345+/-0.530 χ^2/NDF: 627000.7/27

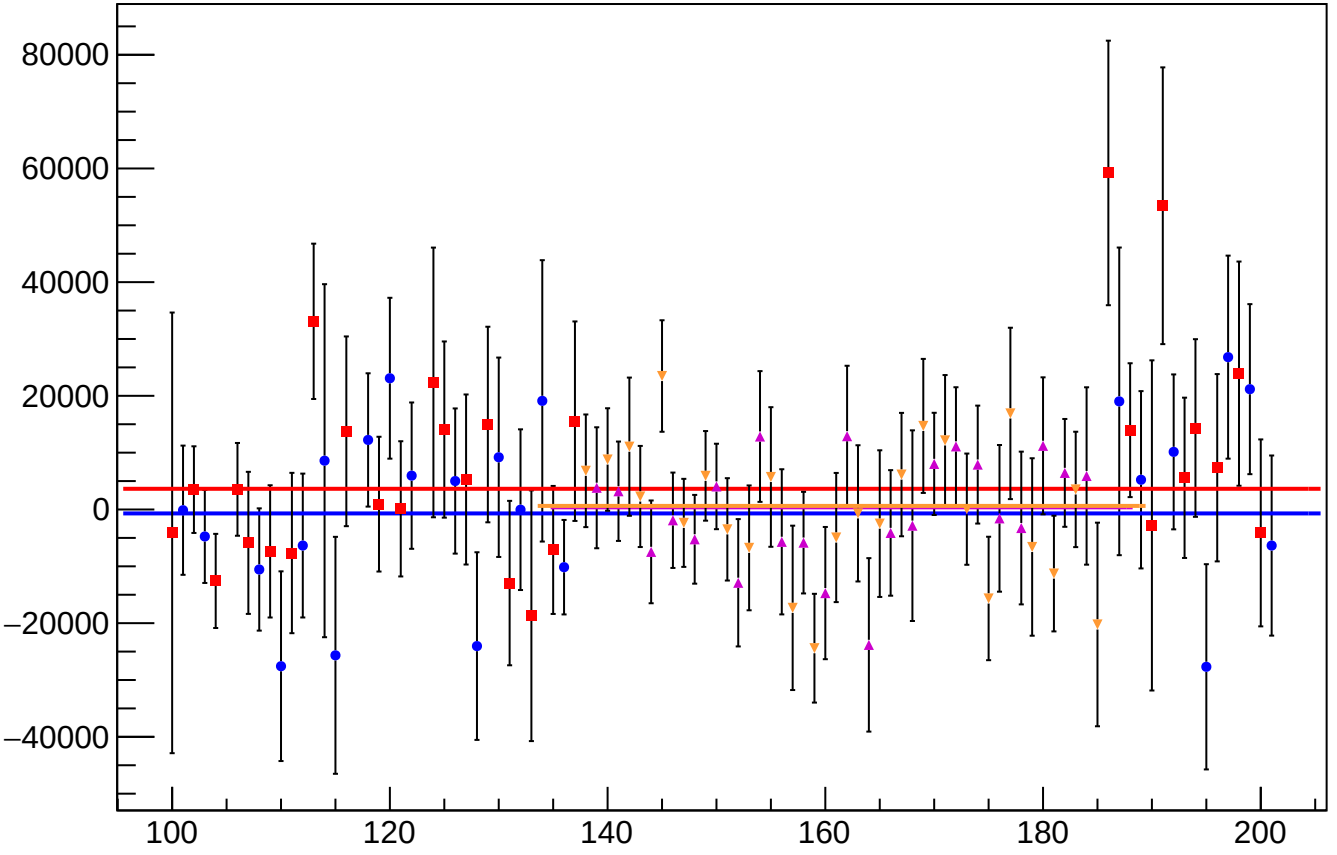
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2608.532+/-0.329 χ^2/NDF: 730166.0/47

All: 2601.515+/-0.233 χ^2/NDF: 1483087.5/98

- sign 2594.539+/-0.328 χ^2/NDF: 752016.5/50

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: 3641.309+/-2563.583 χ^2/NDF: 28.9/27

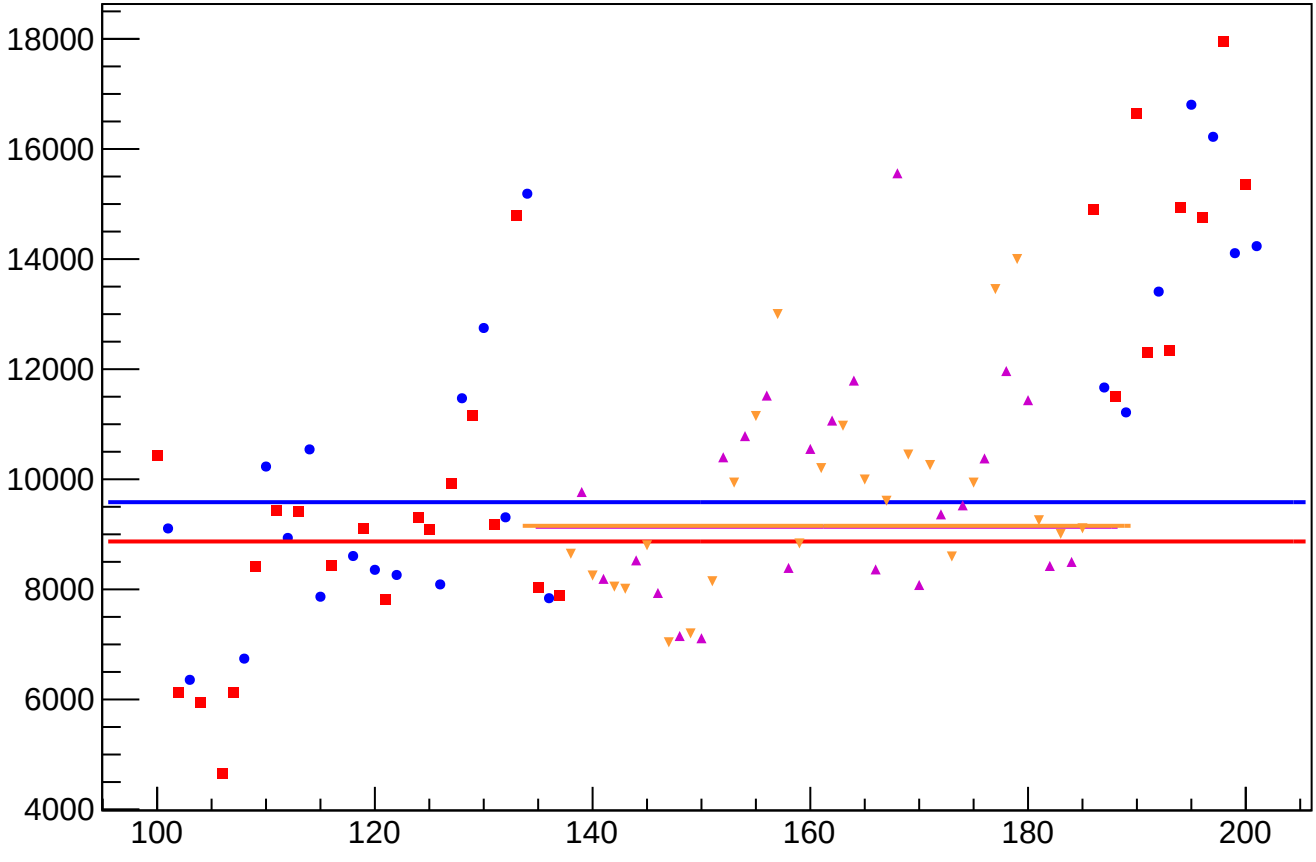
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign 160.814+/-1704.193 χ^2/NDF: 49.1/47

All: 974.027+/-1188.786 χ^2/NDF: 93.7/98

- sign 1744.781+/-1659.107 χ^2/NDF: 44.1/50

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: 8870.255+/-1.813 χ^2/NDF: 3209065.3/27

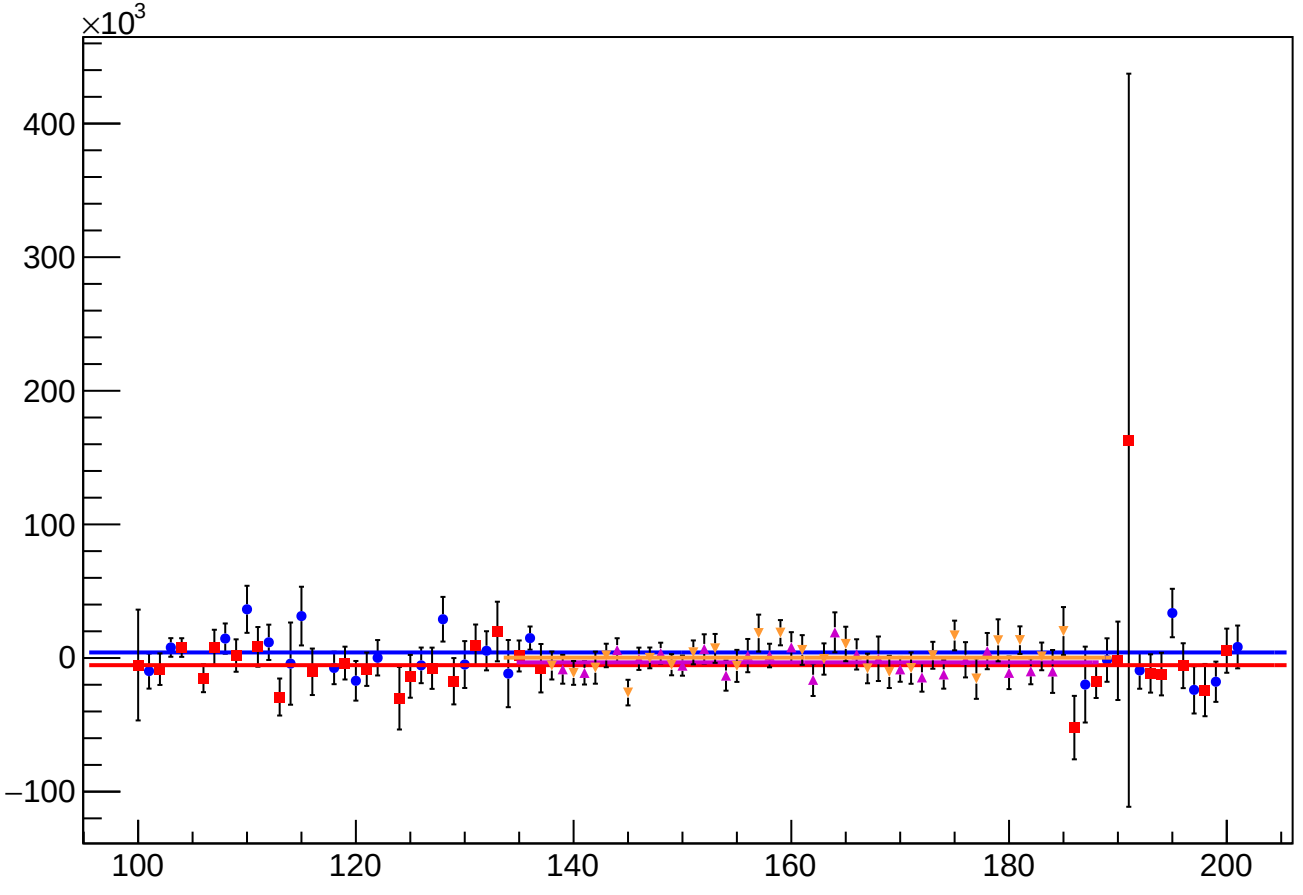
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

\+ sign 9307.457+/-1.205 χ^2/NDF: 3081840.4/47

All: 9162.760+/-0.841 χ^2/NDF: 7504425.1/98

\- sign 9025.618+/-1.173 χ^2/NDF: 4394501.2/50

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: -5346.259+/-2725.636 χ^2/NDF: 21.4/27

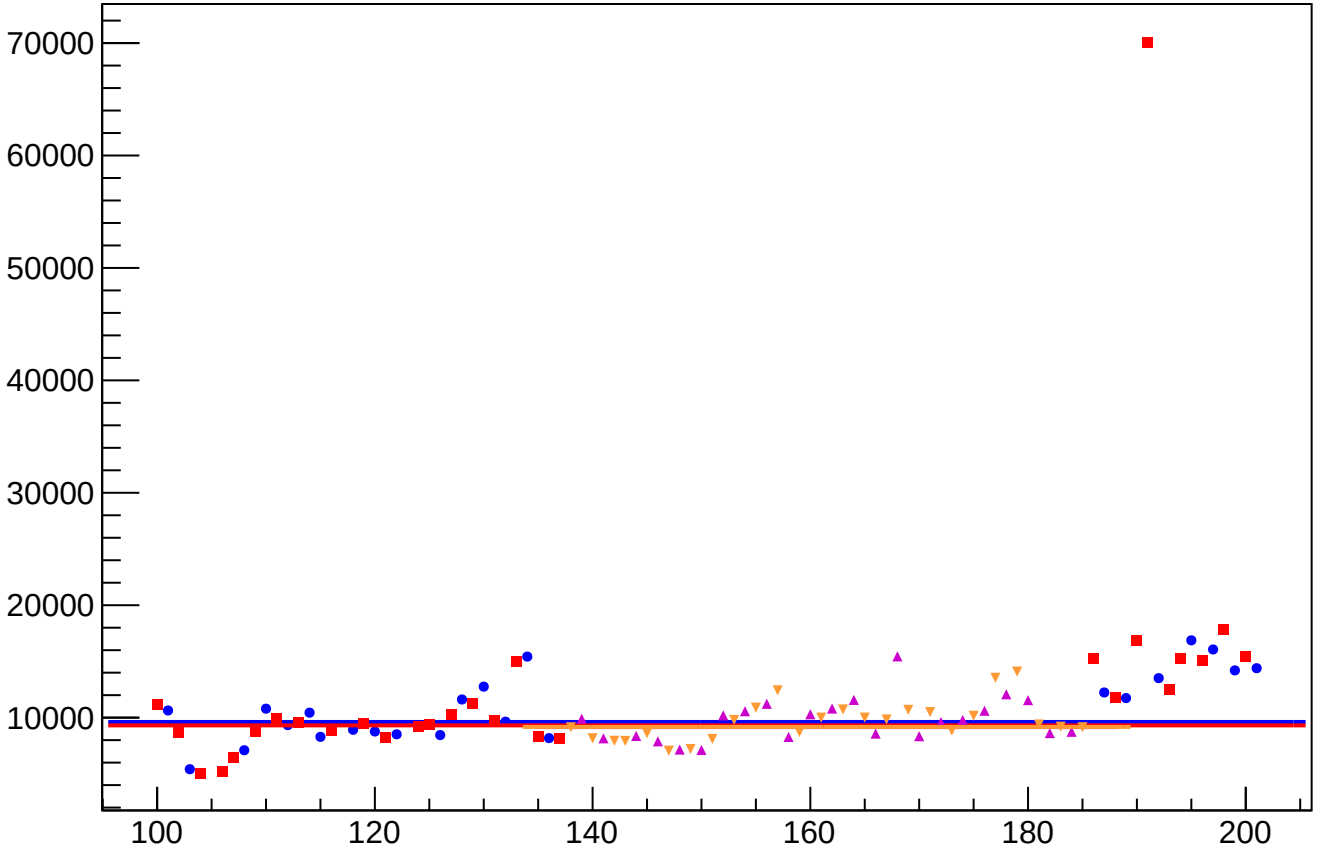
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1659.560+/-1711.144 χ^2/NDF: 52.2/47

All: -1213.800+/-1206.849 χ^2/NDF: 93.1/98

- sign -4057.787+/-1702.375 χ^2/NDF: 35.3/50

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: 9311.209+/-1.927 χ^2/NDF: 3121062.7/27

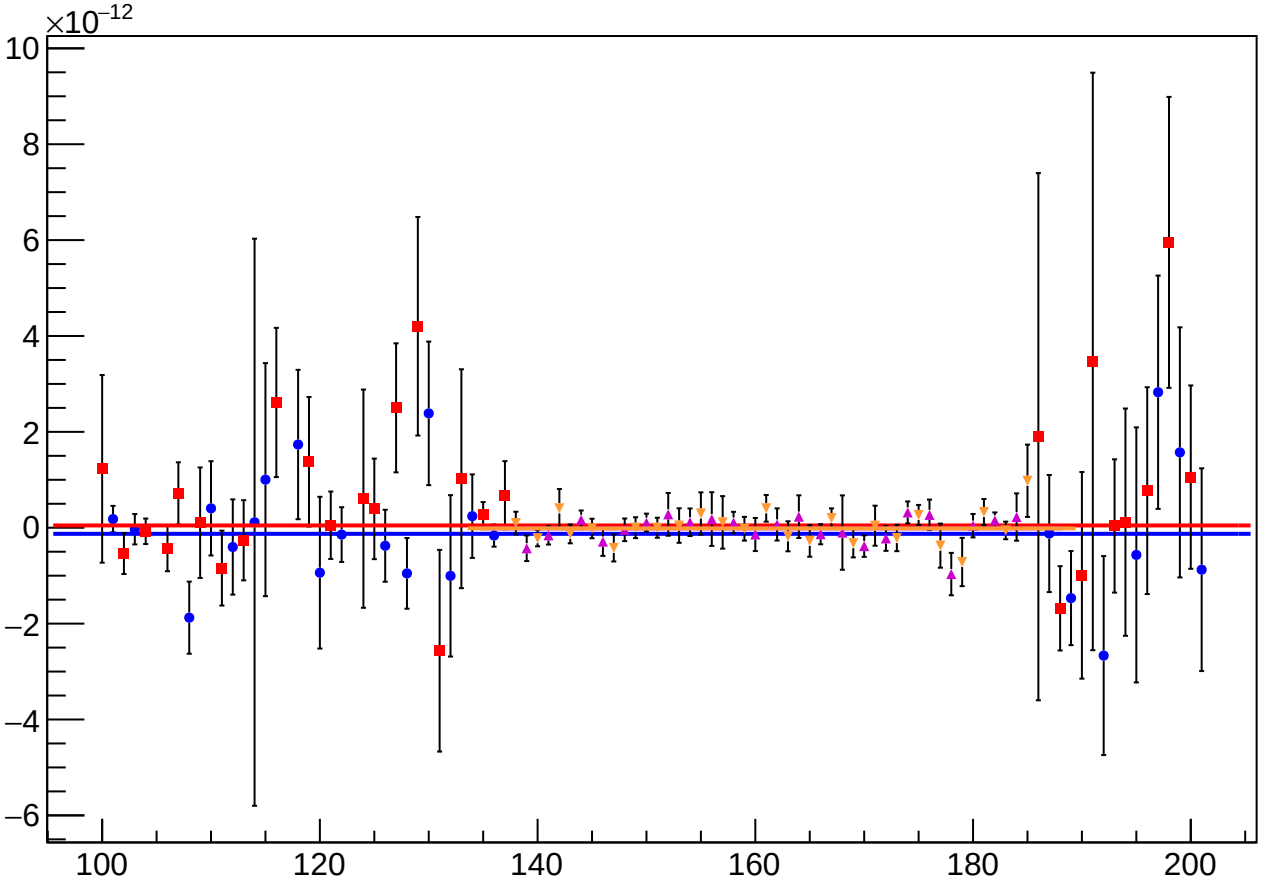
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9328.377+/-1.210 χ^2/NDF: 3403911.3/47

All: 9274.099+/-0.853 χ^2/NDF: 7660153.7/98

- sign 9220.377+/-1.204 χ^2/NDF: 4252238.2/50

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

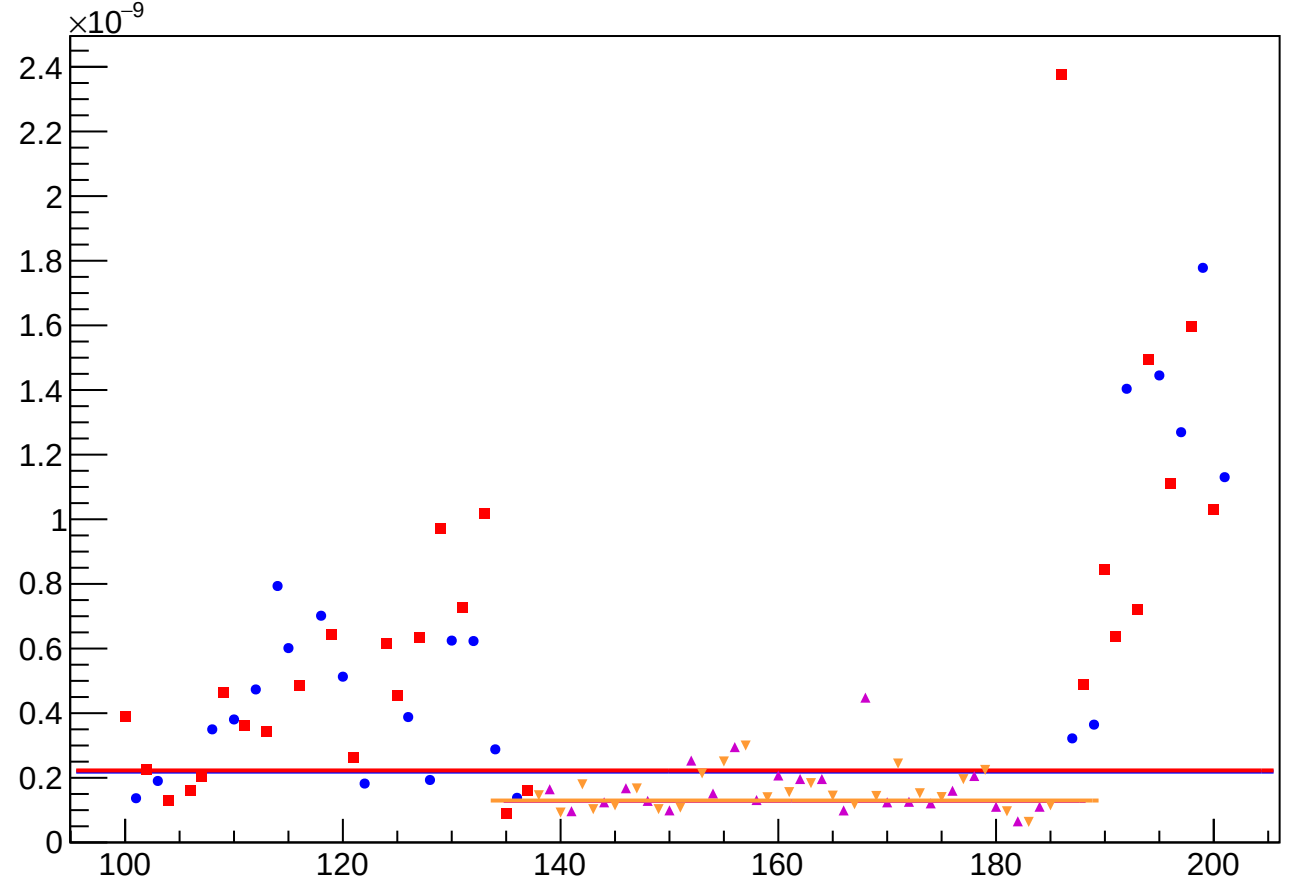
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/27

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: 86.9/98

- sign -0.000+/-0.000 χ^2/NDF: 47.7/50



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: 4767577.7/27

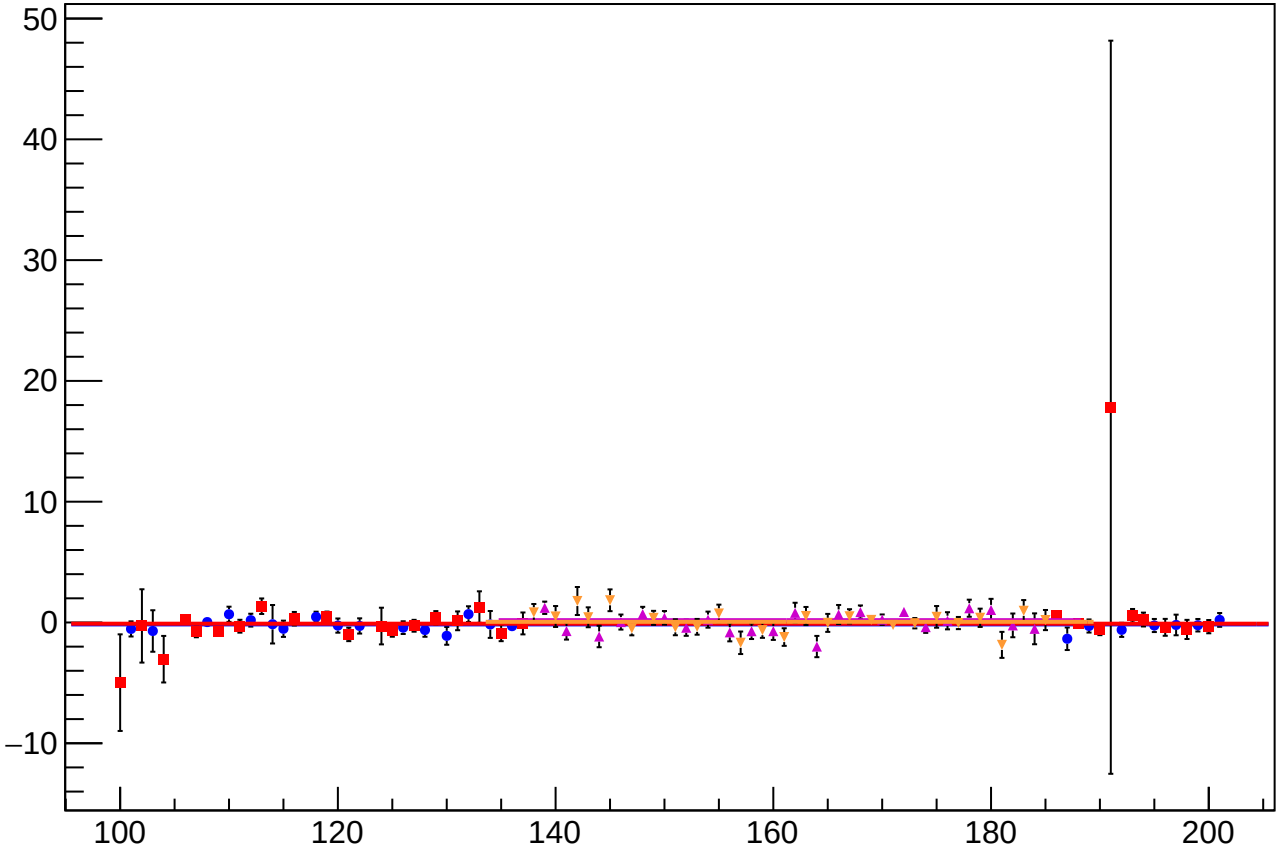
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6184873.7/47

All: 0.000+/-0.000 χ^2/NDF: 13306150.1/98

- sign 0.000+/-0.000 χ^2/NDF: 7121083.7/50

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: -0.101+/-0.100 χ^2/NDF: 31.6/27

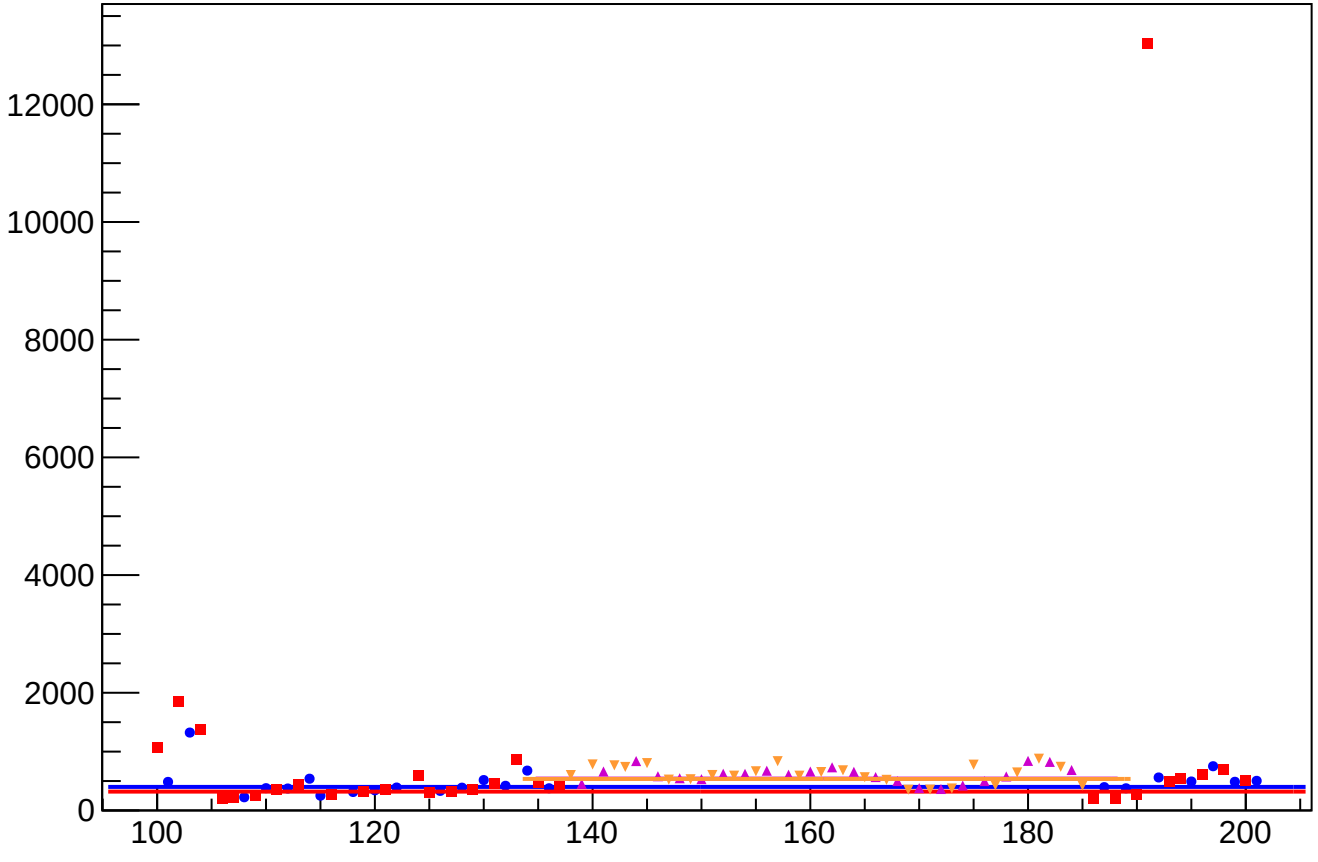
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.089 χ^2/NDF: 38.7/47

All: -0.024+/-0.060 χ^2/NDF: 104.8/98

- sign 0.005+/-0.080 χ^2/NDF: 65.8/50

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: 320.382+/-0.071 χ^2/NDF: 4978021.2/27

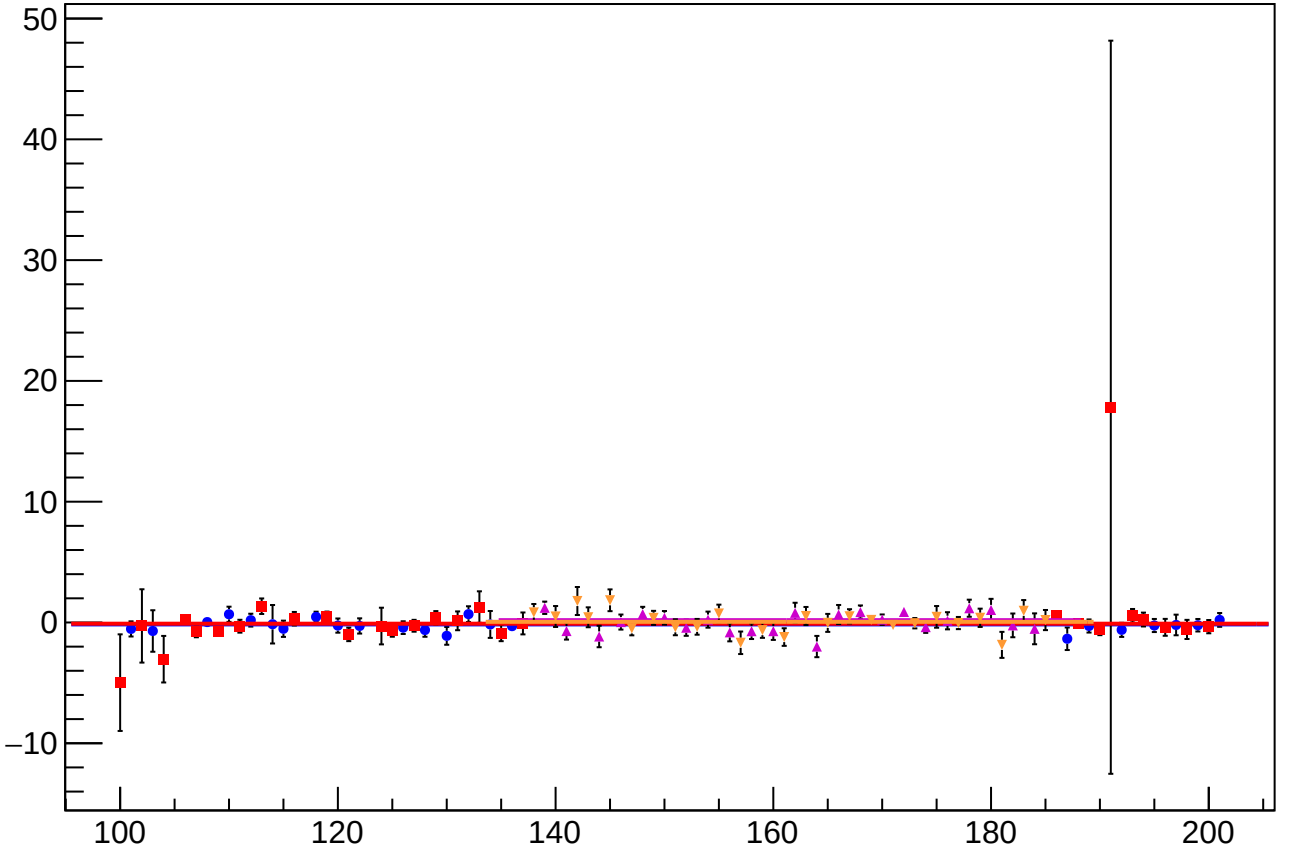
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 464.189+/-0.063 χ^2/NDF: 6100326.8/47

All: 428.876+/-0.042 χ^2/NDF: 17051552.8/98

- sign 400.210+/-0.057 χ^2/NDF: 10379815.9/50

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: -0.101+/-0.100 χ^2/NDF: 31.6/27

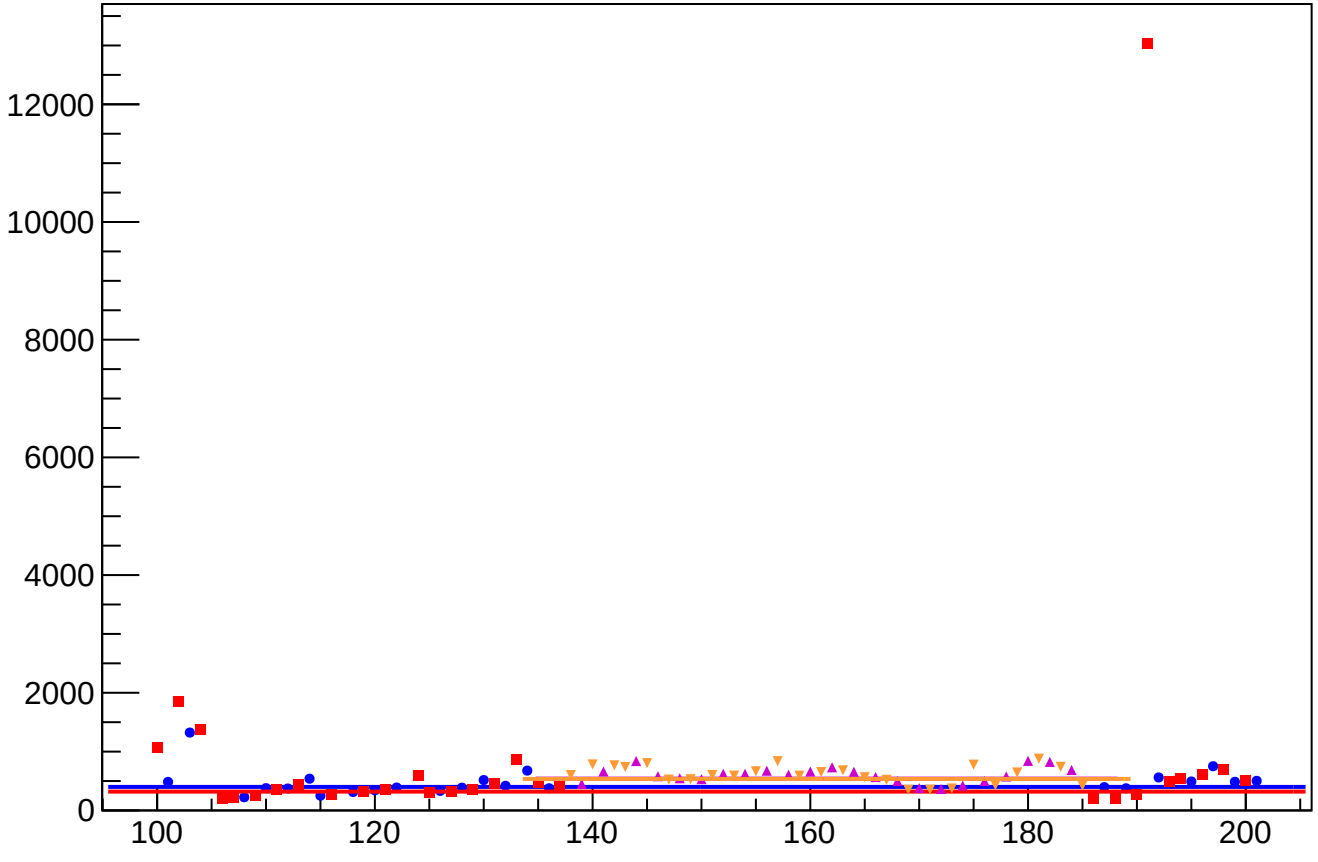
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.089 χ^2/NDF: 38.7/47

All: -0.024+/-0.060 χ^2/NDF: 104.8/98

- sign 0.005+/-0.080 χ^2/NDF: 65.8/50

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: 320.382+/-0.071 χ^2/NDF: 4978021.2/27

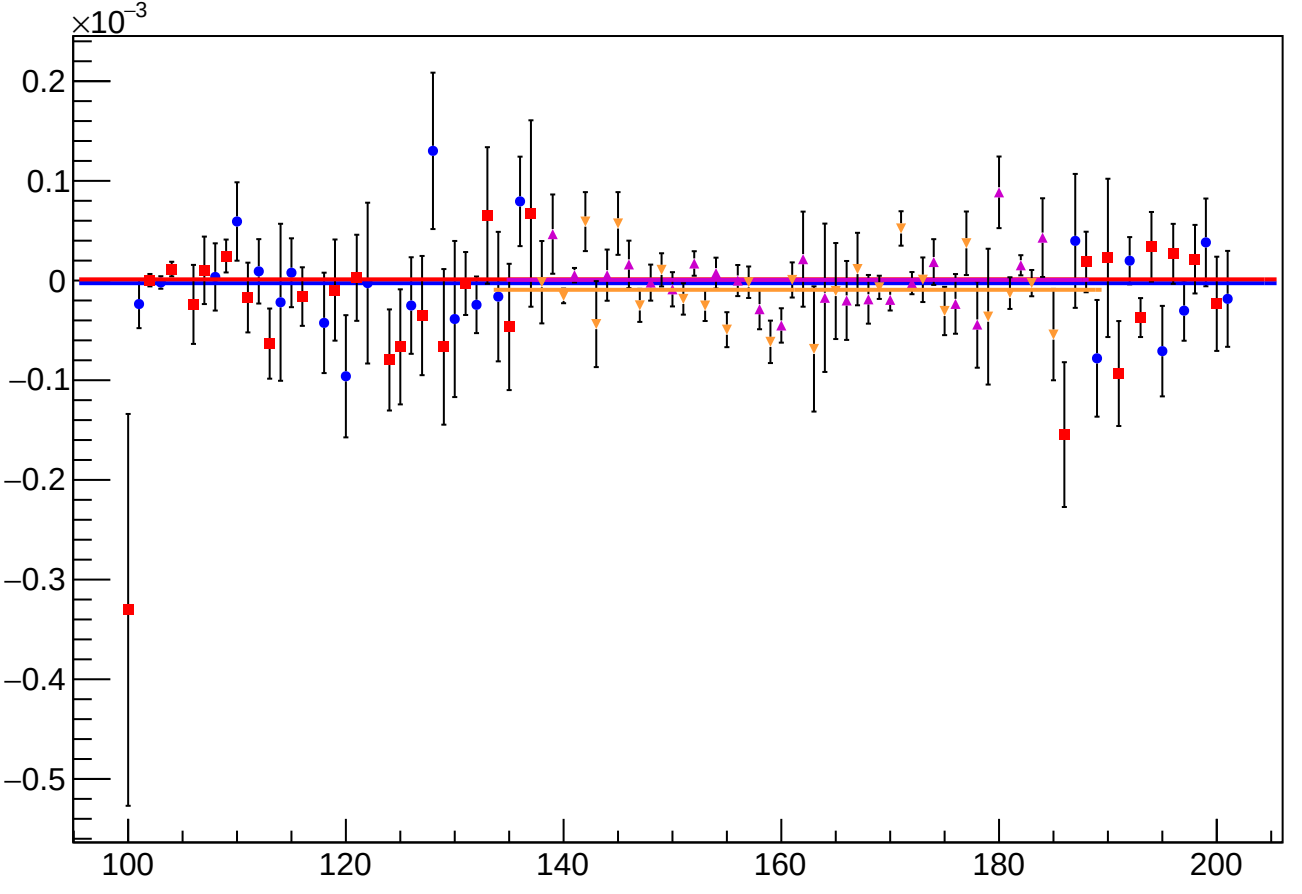
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 464.189+/-0.063 χ^2/NDF: 6100326.8/47

All: 428.876+/-0.042 χ^2/NDF: 17051552.8/98

- sign 400.210+/-0.057 χ^2/NDF: 10379815.9/50

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: 32.6/27

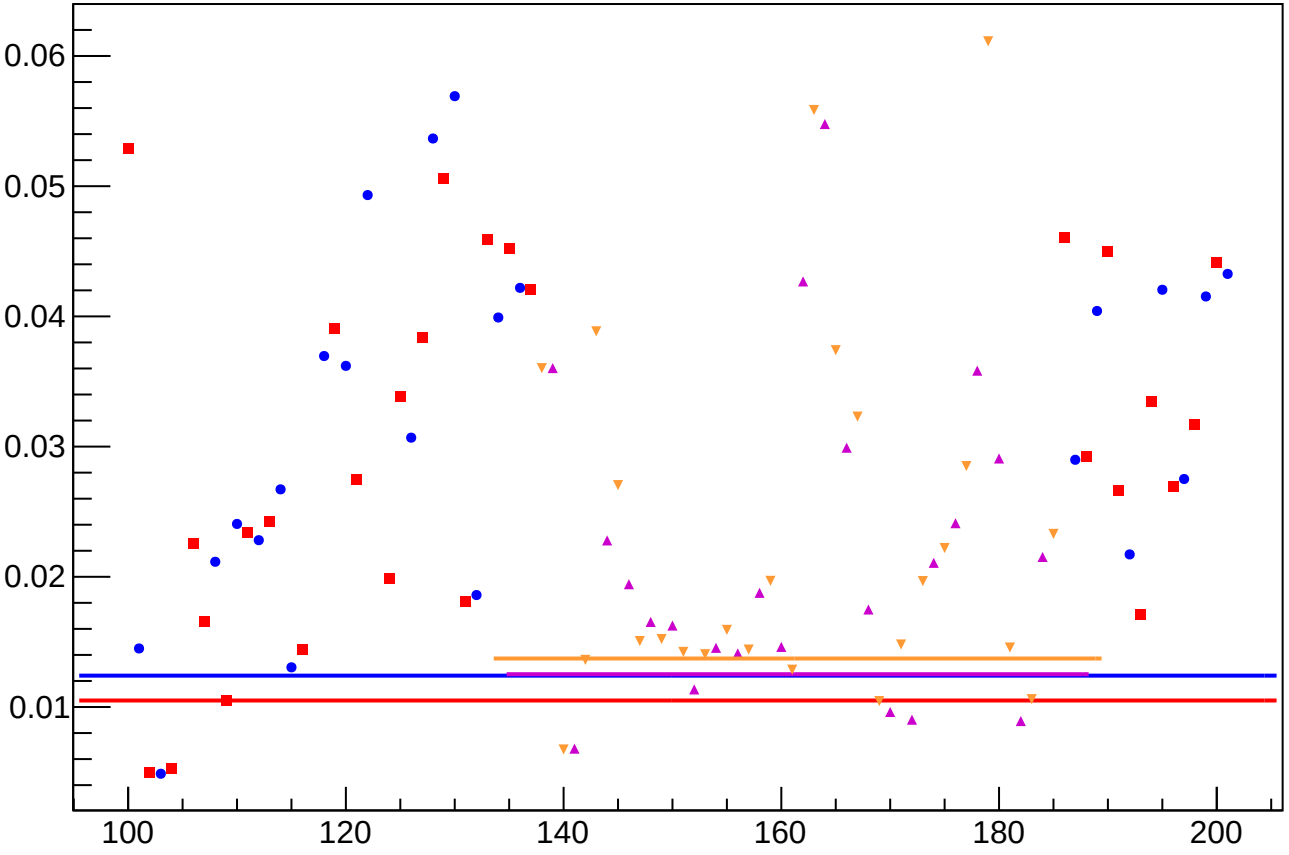
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.1/47

All: -0.000+/-0.000 χ^2/NDF: 133.8/98

- sign 0.000+/-0.000 χ^2/NDF: 62.6/50

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: 0.010+/-0.000 χ^2/NDF: 12577706.5/27

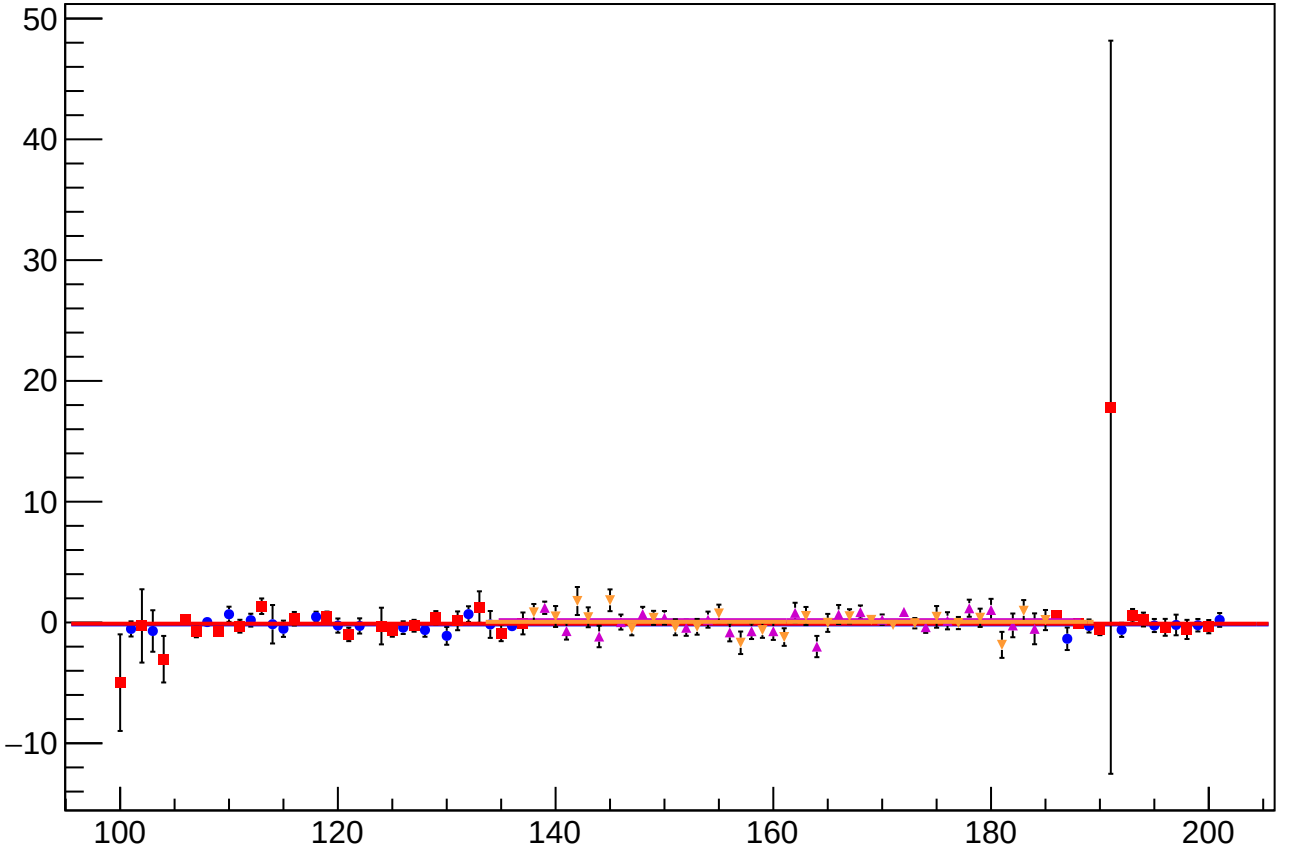
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 19249881.1/47

All: 0.012+/-0.000 χ^2/NDF: 39591612.8/98

- sign 0.012+/-0.000 χ^2/NDF: 19995537.4/50

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: -0.101+/-0.100 χ^2/NDF: 31.6/27

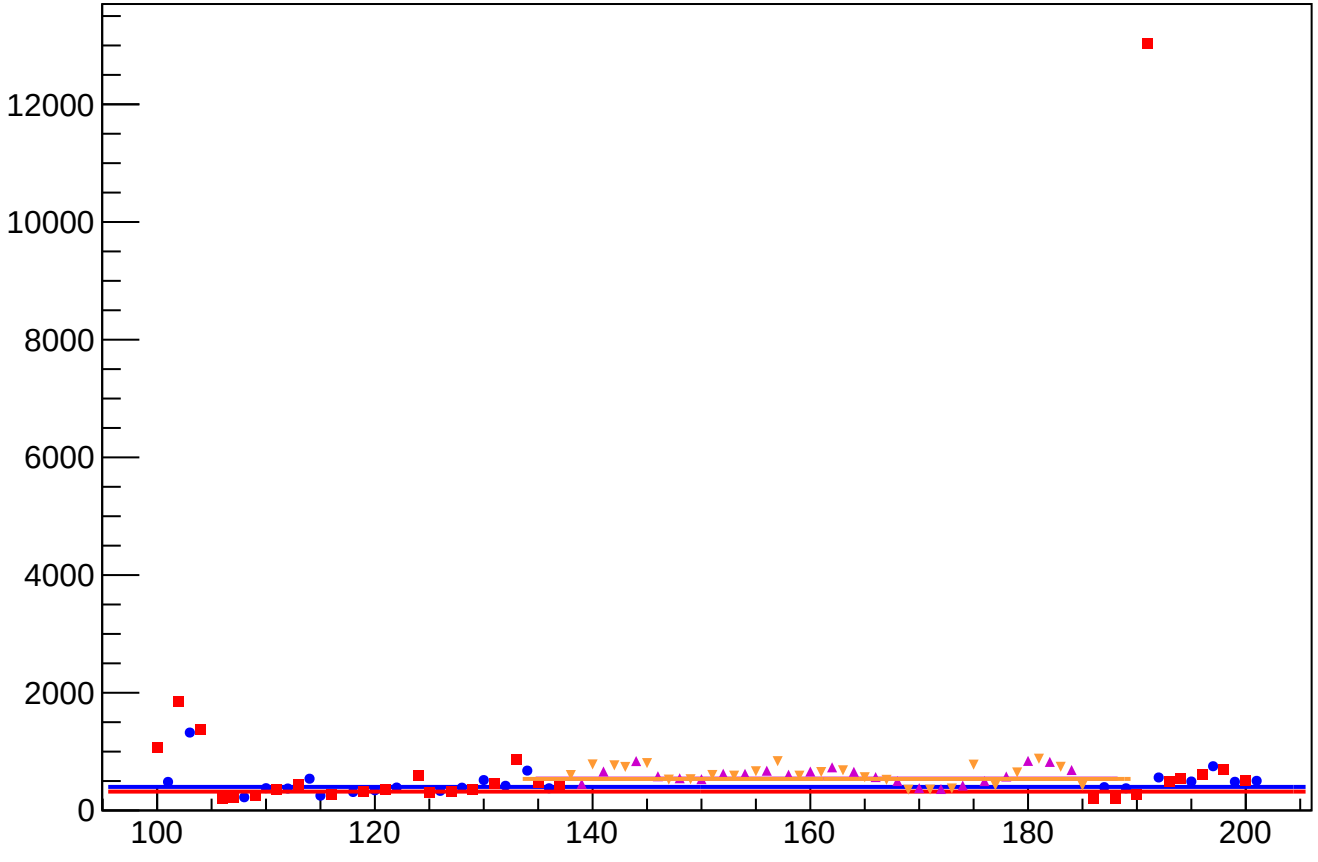
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.089 χ^2/NDF: 38.7/47

All: -0.024+/-0.060 χ^2/NDF: 104.8/98

- sign 0.005+/-0.080 χ^2/NDF: 65.8/50

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: 320.382+/-0.071 χ^2/NDF: 4977991.4/27

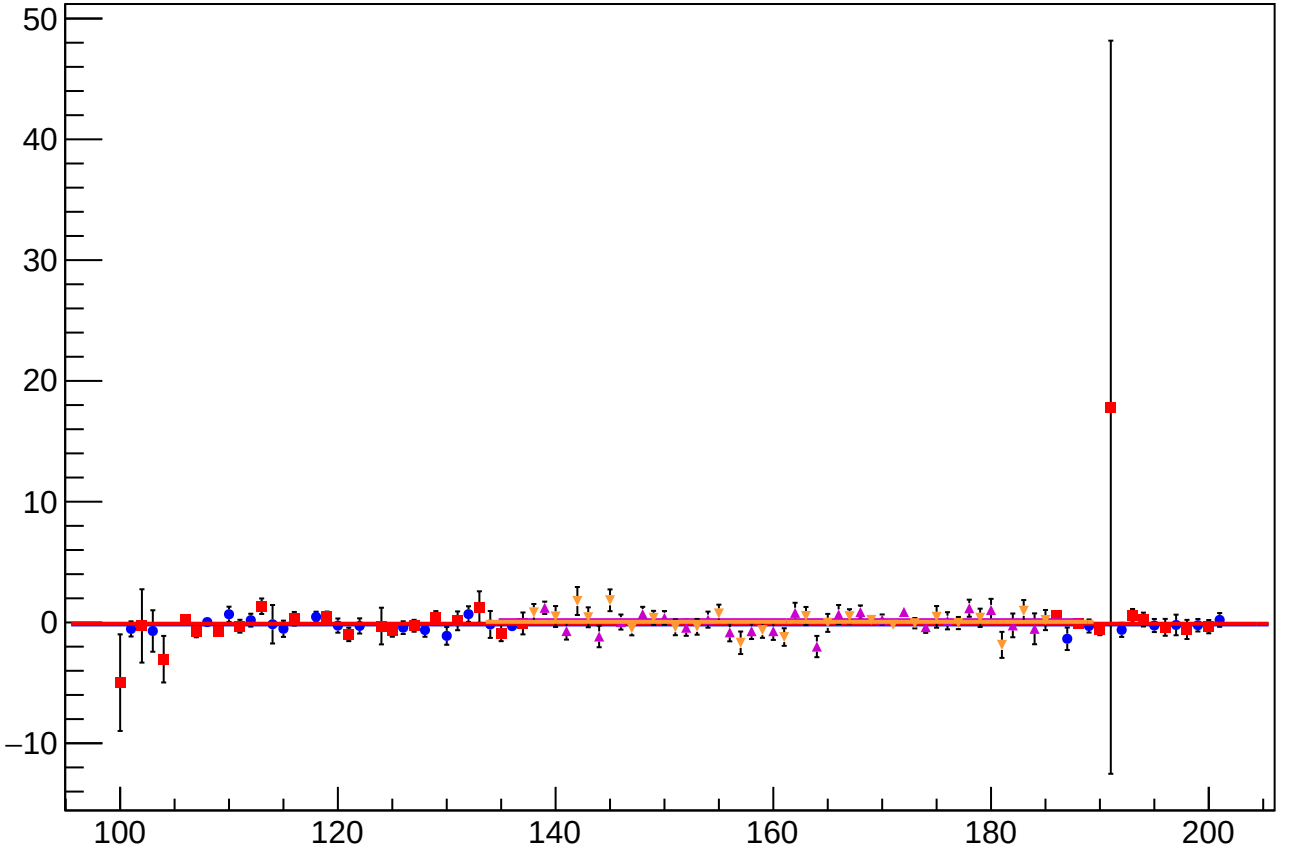
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 464.188+/-0.063 χ^2/NDF: 6100565.5/47

All: 428.876+/-0.042 χ^2/NDF: 17051884.0/98

- sign 400.211+/-0.057 χ^2/NDF: 10379939.4/50

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: -0.101+/-0.100 χ^2/NDF: 31.6/27

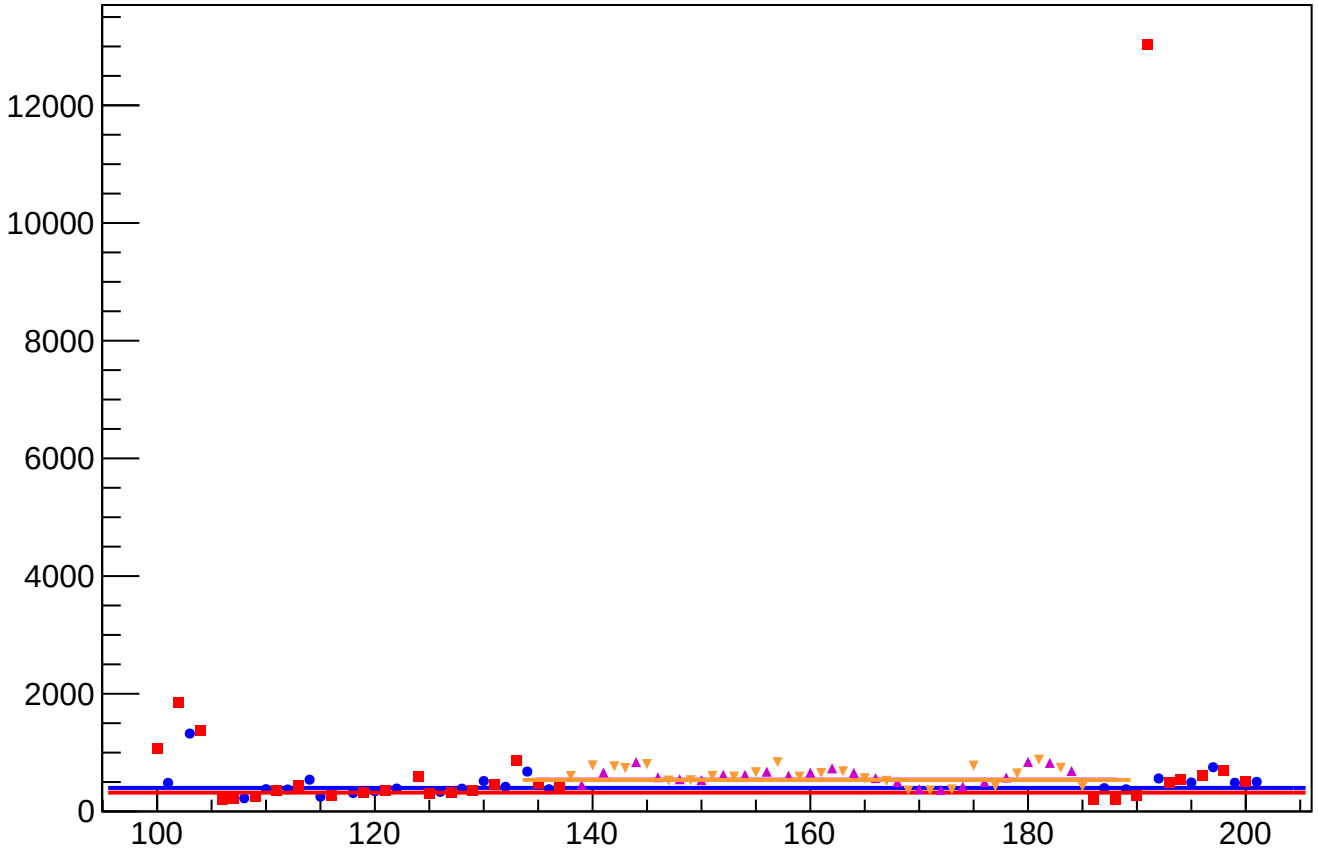
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.059+/-0.089 χ^2/NDF: 38.7/47

All: -0.024+/-0.060 χ^2/NDF: 104.8/98

- sign 0.005+/-0.080 χ^2/NDF: 65.8/50

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: 320.382+/-0.071 χ^2/NDF: 4977991.4/27

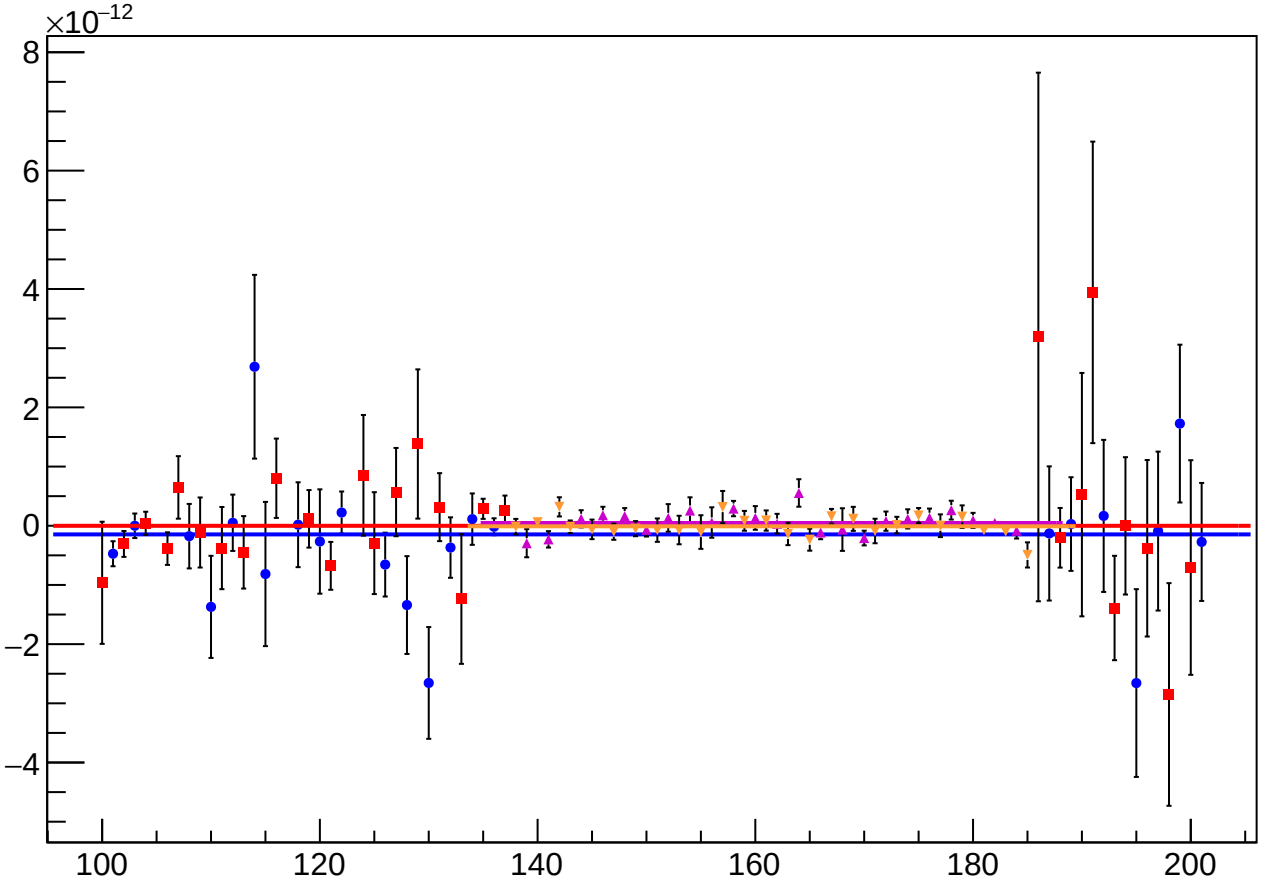
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 464.188+/-0.063 χ^2/NDF: 6100565.5/47

All: 428.876+/-0.042 χ^2/NDF: 17051884.0/98

- sign 400.211+/-0.057 χ^2/NDF: 10379939.4/50

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

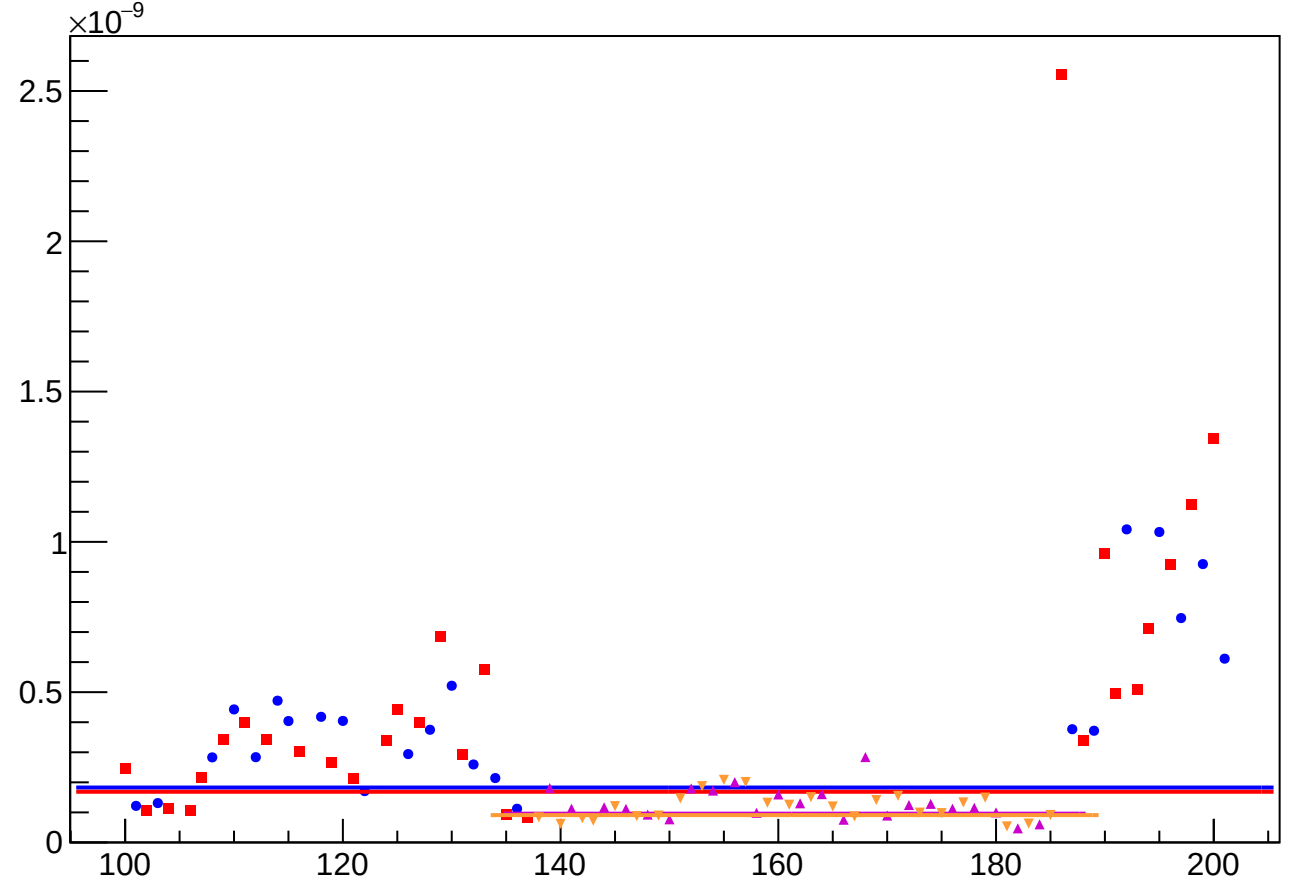
Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/27

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: 109.1/98

- sign 0.000+/-0.000 χ^2/NDF: 56.1/50



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: 6692770.8/27

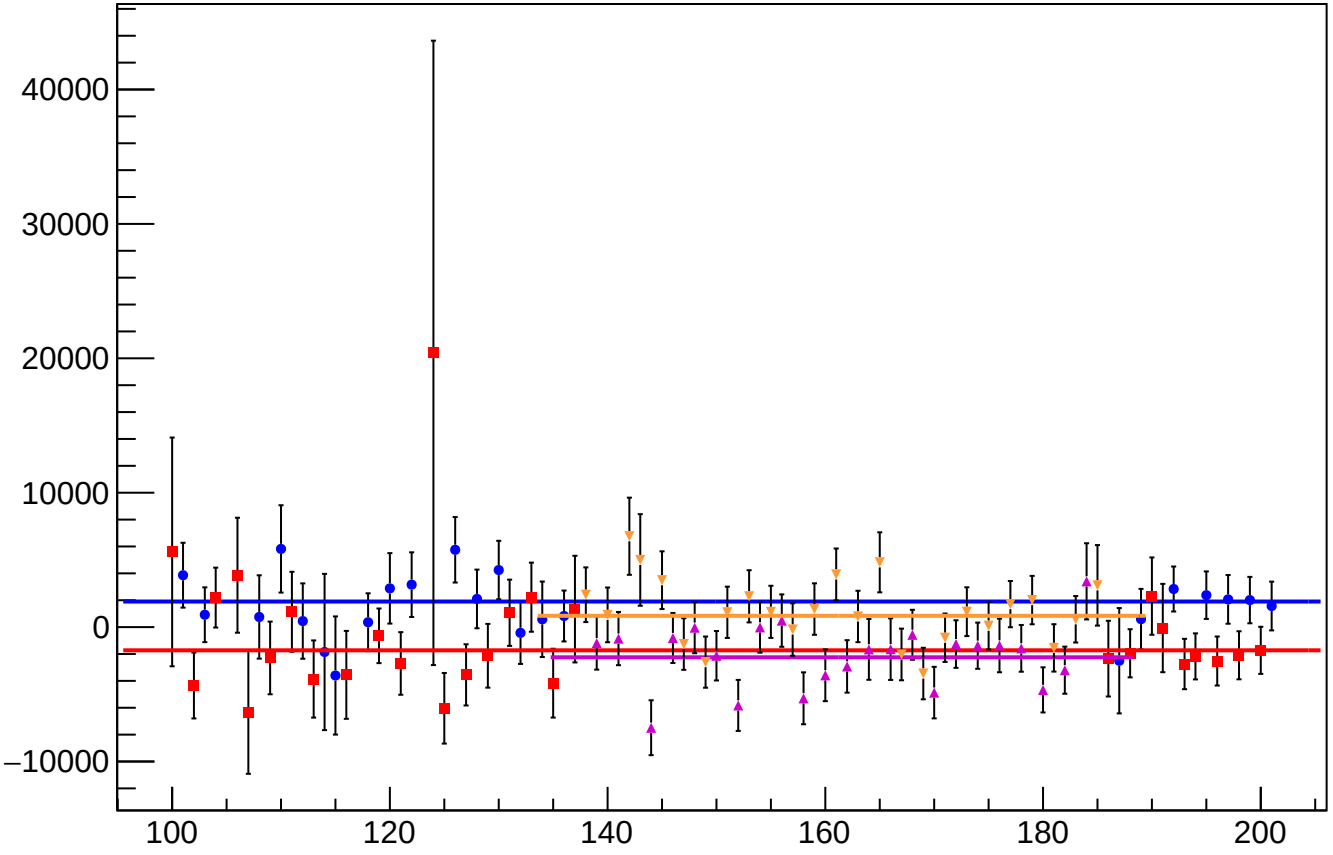
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10543649.4/47

All: 0.000+/-0.000 χ^2/NDF: 22588649.4/98

- sign 0.000+/-0.000 χ^2/NDF: 12017791.5/50

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: -1725.379+/-464.197 χ^2/NDF: 22.3/27

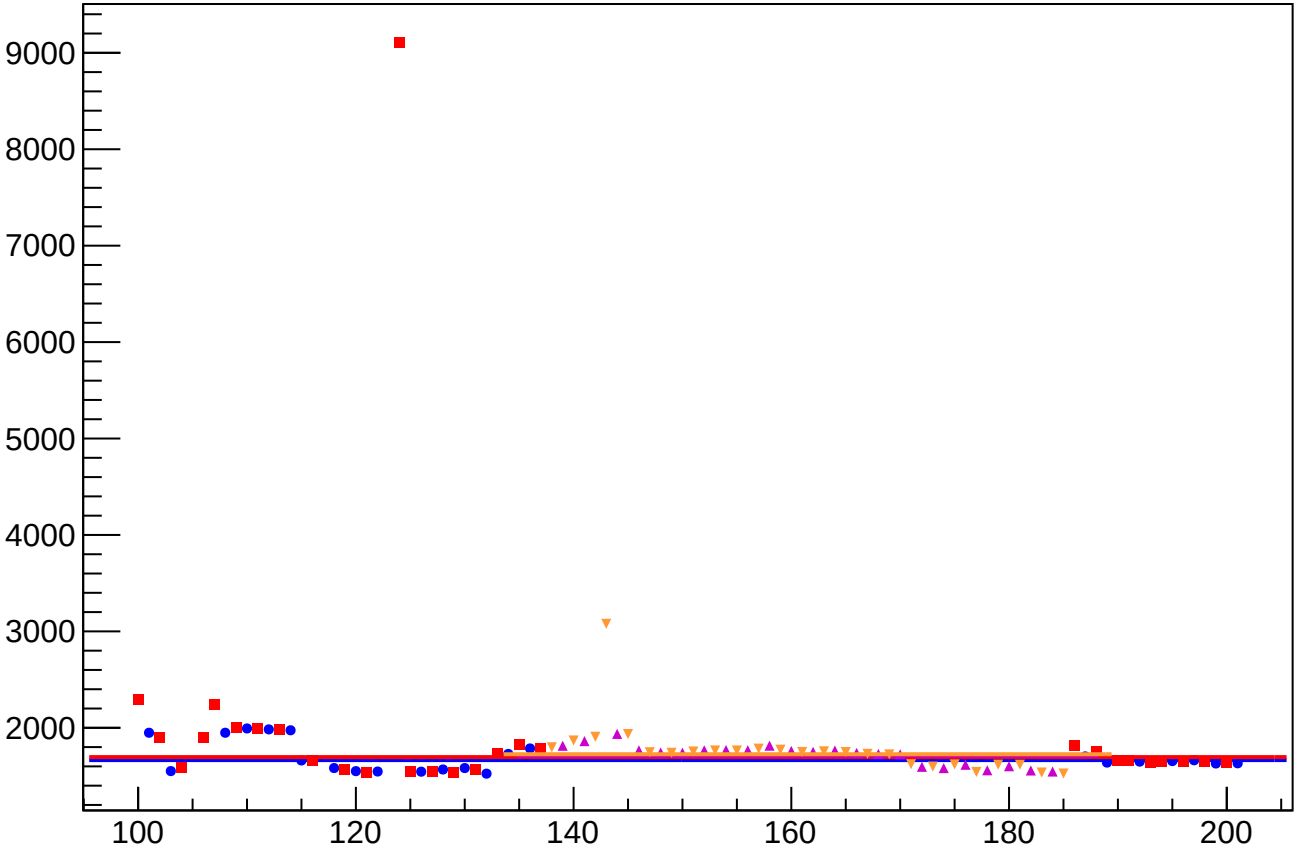
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1274.484+/-303.615 χ^2/NDF: 46.3/47

All: -375.784+/-214.593 χ^2/NDF: 157.7/98

- sign -2023.123+/-303.346 χ^2/NDF: 52.5/50

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: 1696.204+/-0.327 χ^2/NDF: 399603.0/27

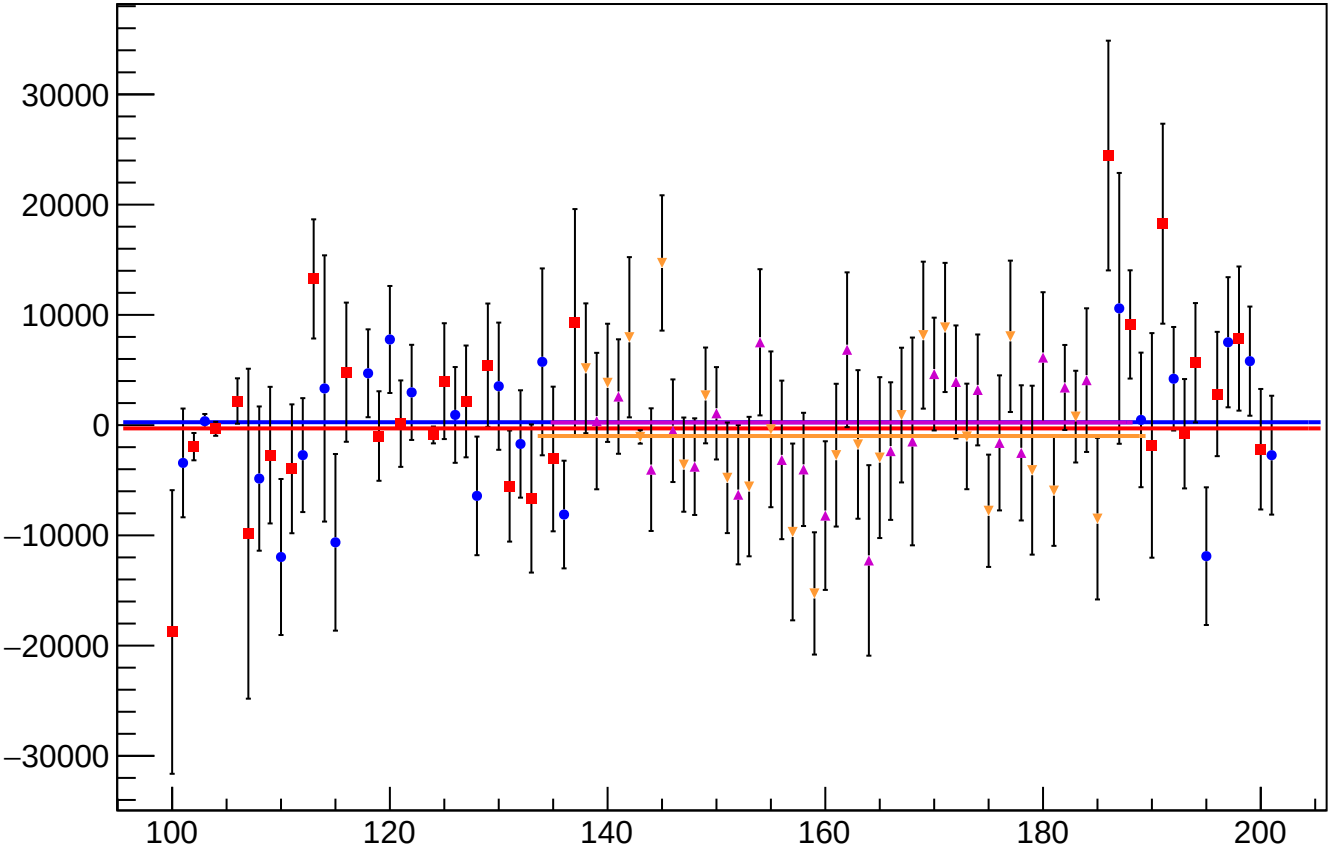
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1701.247+/-0.215 χ^2/NDF: 618936.0/47

All: 1703.576+/-0.152 χ^2/NDF: 1149597.0/98

- sign 1705.896+/-0.214 χ^2/NDF: 530426.1/50

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: -297.552+/-416.034 χ^2/NDF: 35.6/27

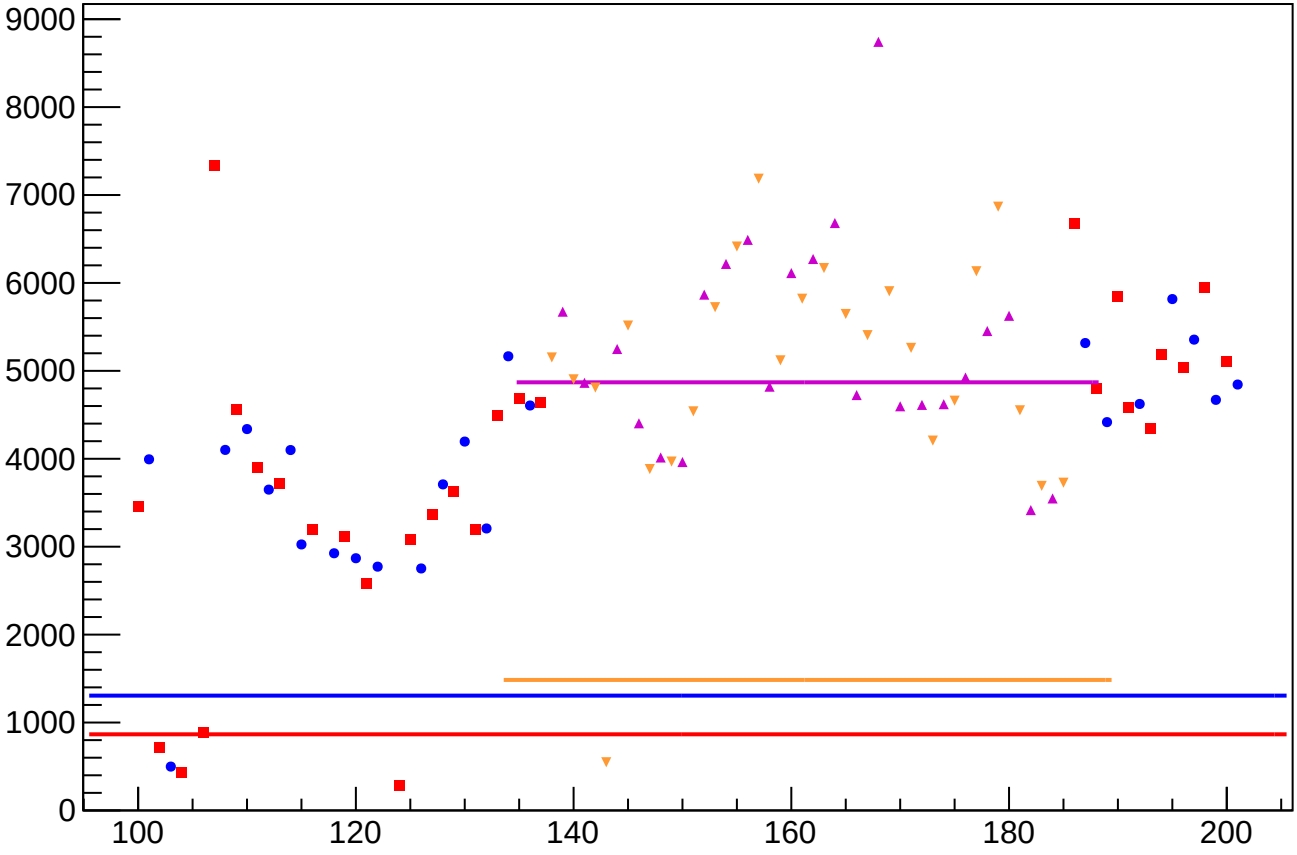
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -395.560+/-392.866 χ^2/NDF: 57.5/47

All: -315.967+/-277.421 χ^2/NDF: 106.8/98

- sign -236.804+/-391.803 χ^2/NDF: 49.3/50

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: 866.054+/-0.294 χ^2/NDF: 17467763.4/27

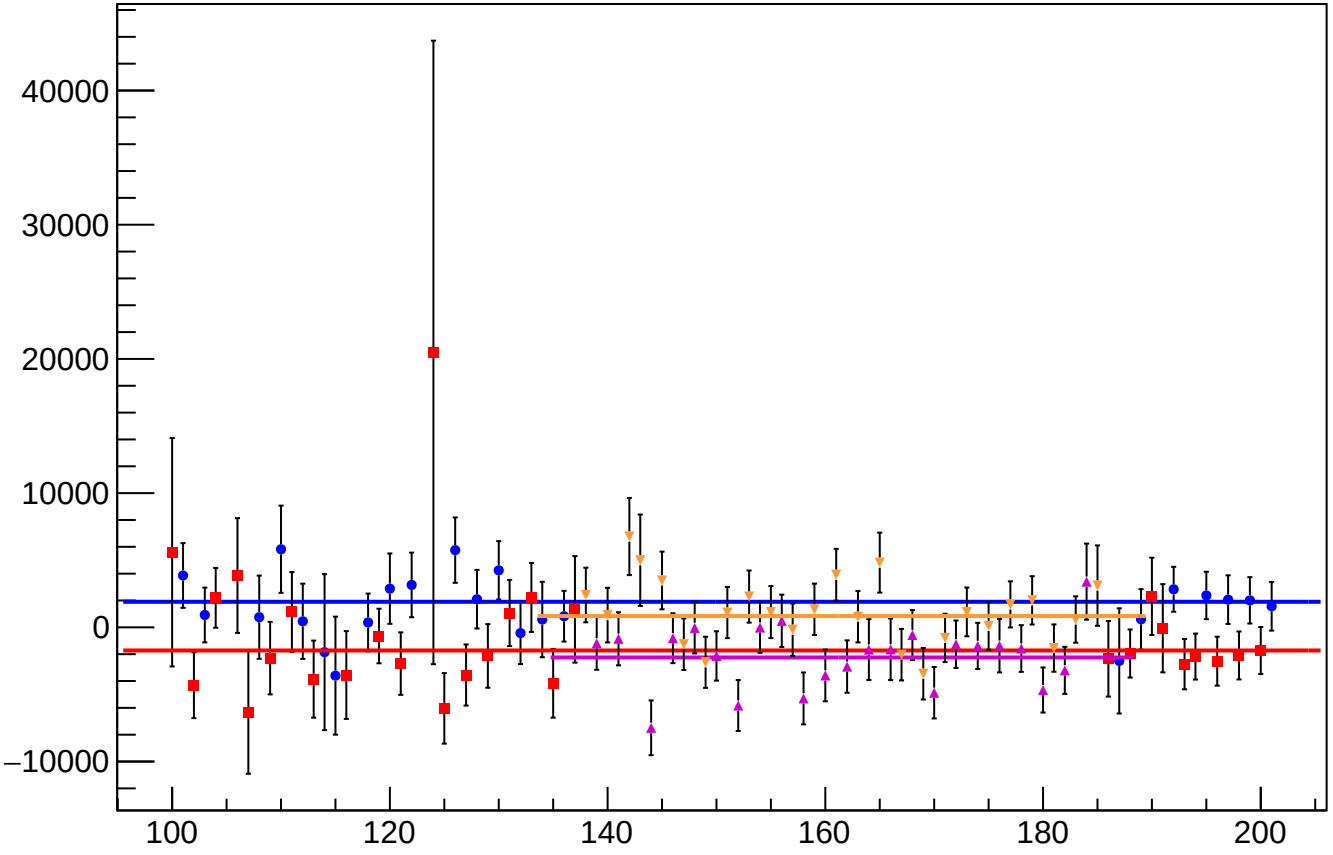
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1400.125+/-0.278 χ^2/NDF: 37335271.4/47

All: 1359.379+/-0.196 χ^2/NDF: 77267699.6/9

- sign 1318.853+/-0.277 χ^2/NDF: 39889517.4/50

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: -1724.123+/-464.199 χ^2/NDF: 22.3/27

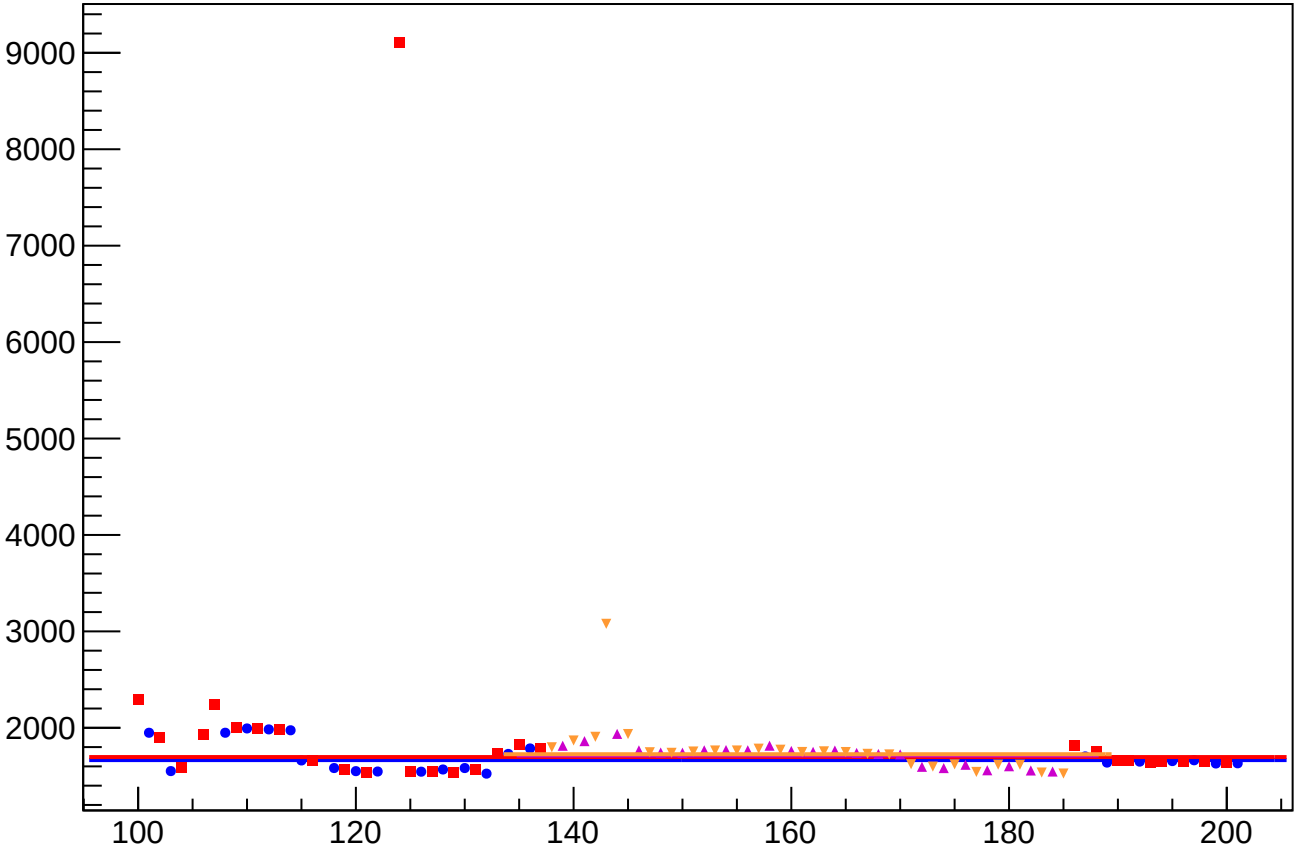
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1274.514+/-303.615 χ^2/NDF: 46.3/47

All: -375.503+/-214.593 χ^2/NDF: 157.7/98

- sign -2022.599+/-303.347 χ^2/NDF: 52.4/50

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: 1696.630+/-0.328 χ^2/NDF: 401525.8/27

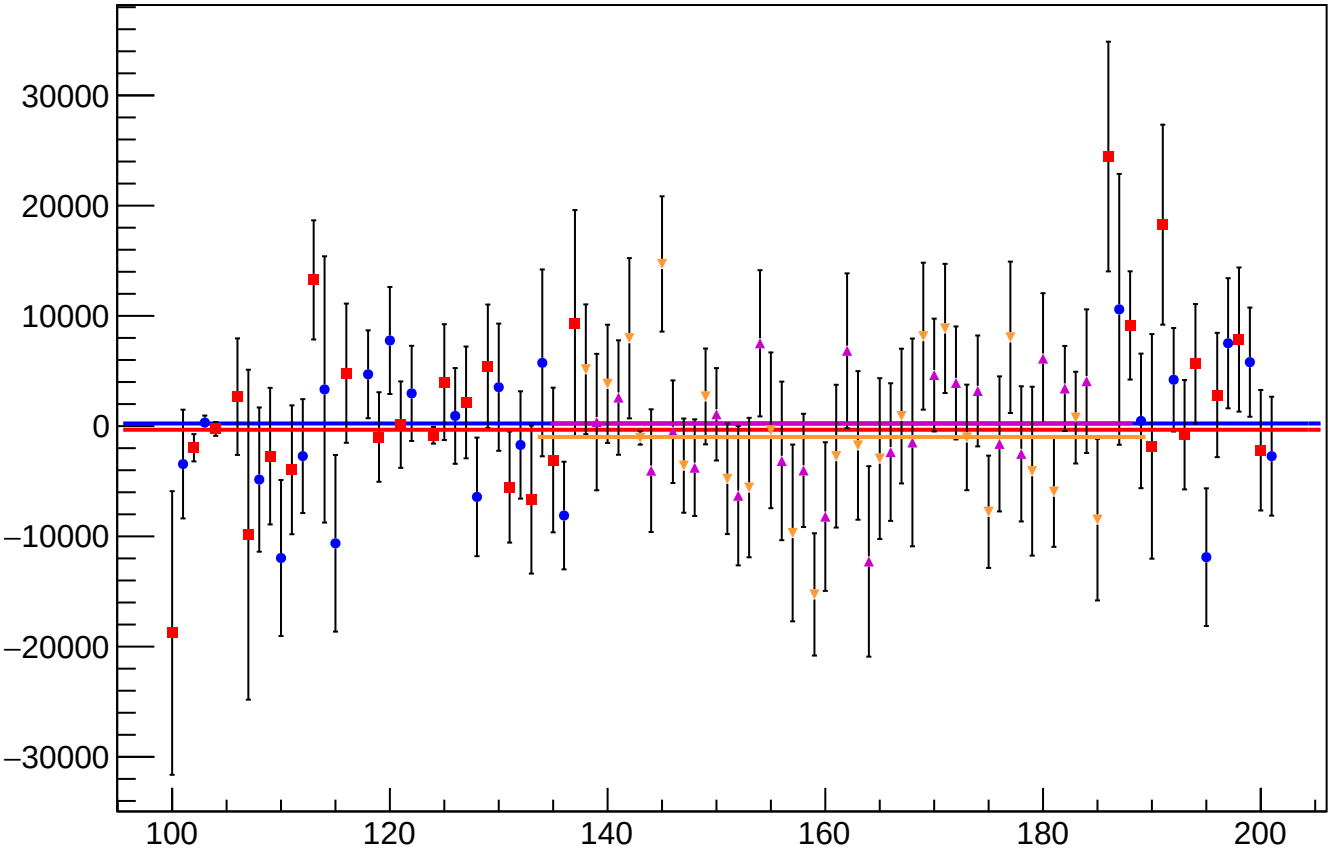
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1701.247+/-0.215 χ^2/NDF: 618936.1/47

All: 1703.668+/-0.152 χ^2/NDF: 1151462.3/98

- sign 1706.081+/-0.214 χ^2/NDF: 532272.3/50

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: -330.305+/-421.515 χ^2/NDF: 34.3/27

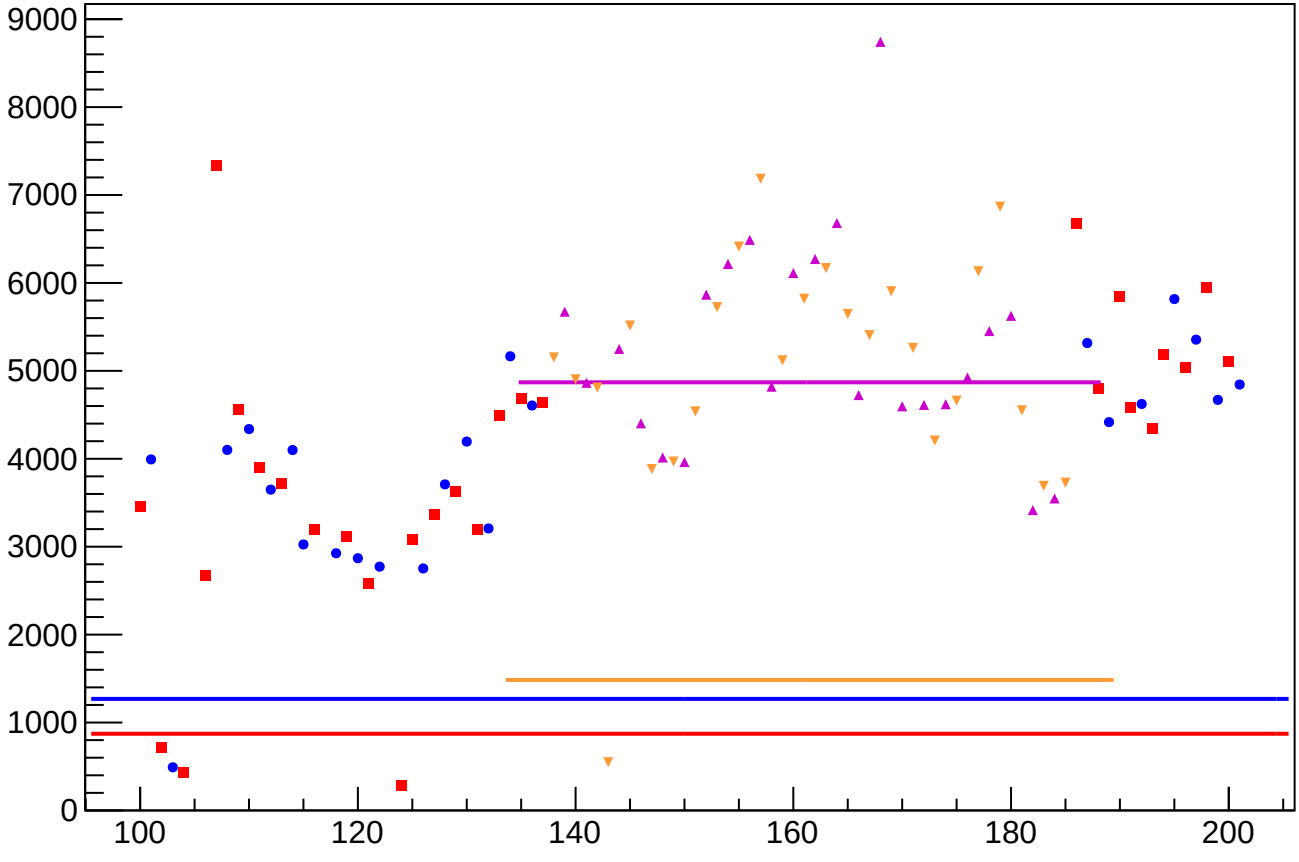
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -394.786+/-389.209 χ^2/NDF: 57.4/47

All: -330.758+/-277.709 χ^2/NDF: 105.5/98

- sign -264.353+/-396.370 χ^2/NDF: 48.1/50

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: 872.447+/-0.298 χ^2/NDF: 17729994.5/27

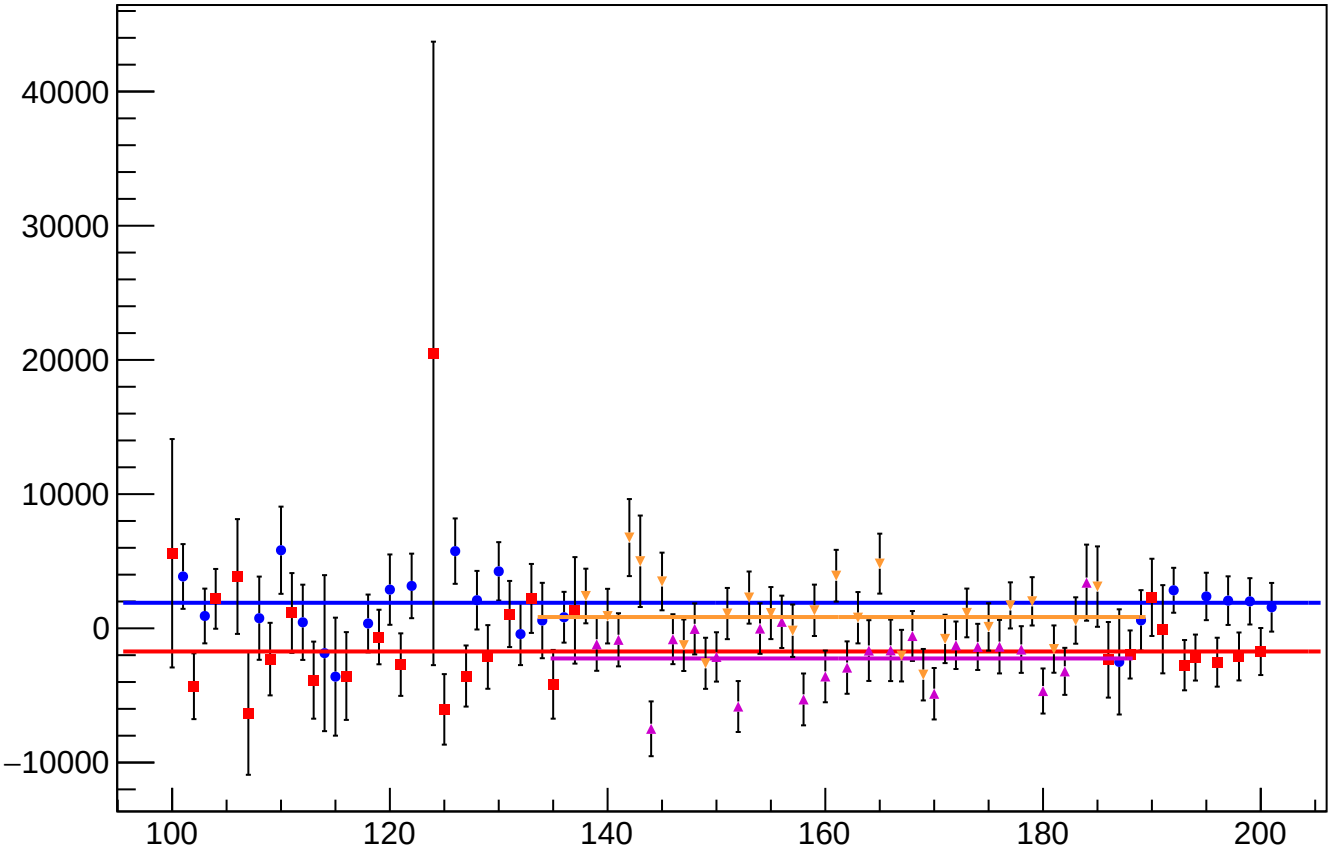
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1380.385+/-0.275 χ^2/NDF: 37601405.1/47

All: 1358.167+/-0.196 χ^2/NDF: 77637138.1/9

- sign 1335.124+/-0.280 χ^2/NDF: 40022456.2/50

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: -1724.123+/-464.199 χ^2/NDF: 22.3/27

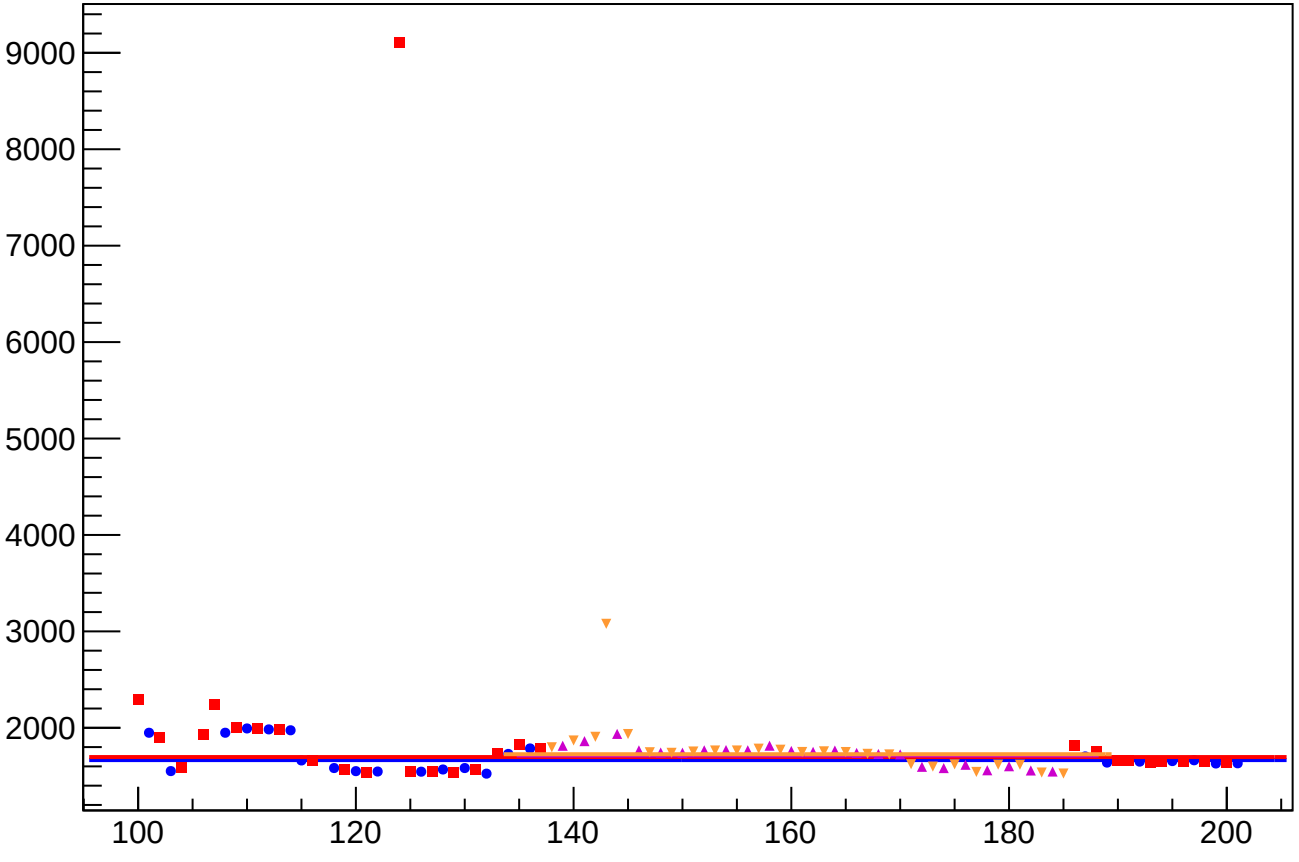
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1274.514+/-303.615 χ^2/NDF: 46.3/47

All: -375.503+/-214.593 χ^2/NDF: 157.7/98

- sign -2022.599+/-303.347 χ^2/NDF: 52.4/50

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

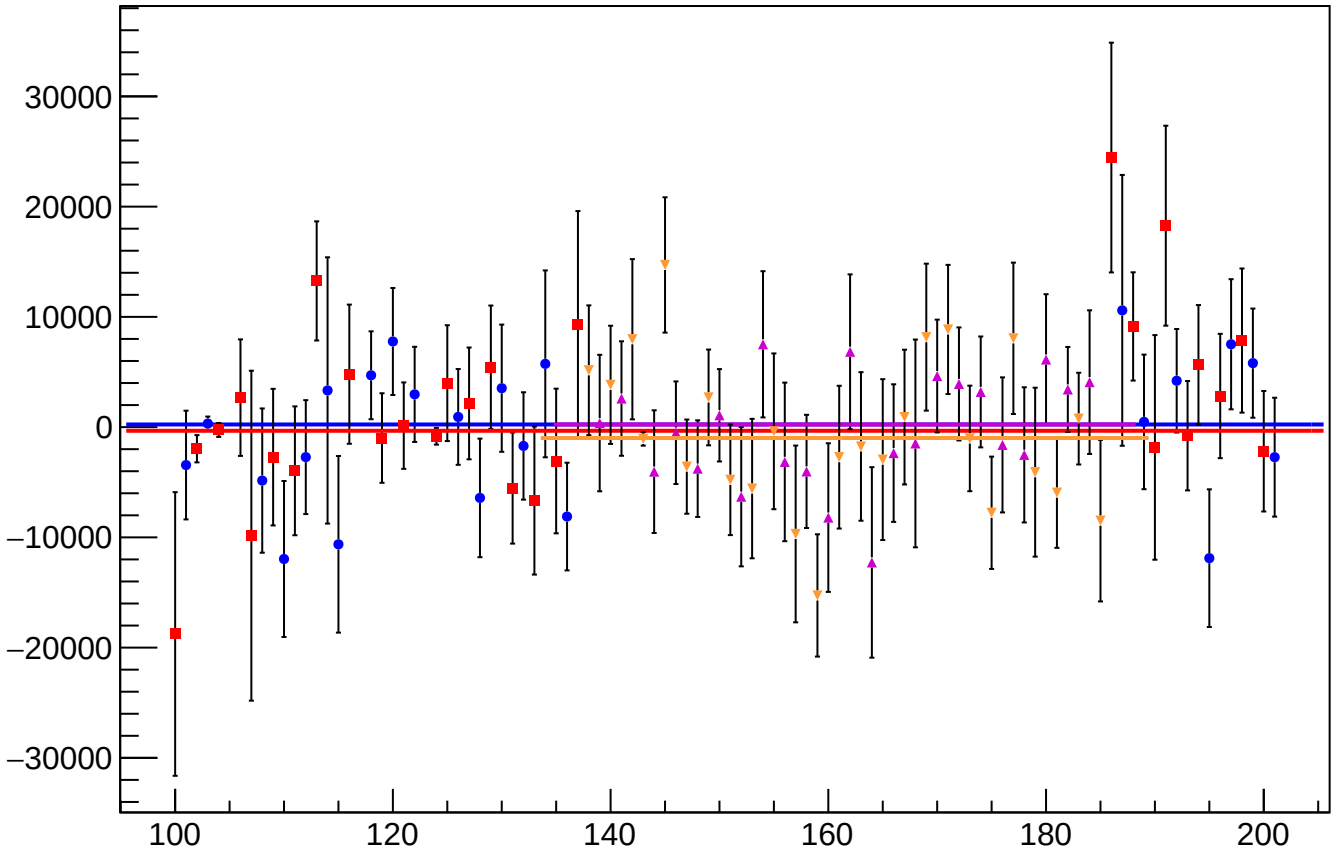
Right Out: 1696.630+/-0.328 χ^2/NDF: 401525.8/27

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1701.247+/-0.215 χ^2/NDF: 618936.1/47

All: 1703.668+/-0.152 χ^2/NDF: 1151462.3/98

- sign 1706.081+/-0.214 χ^2/NDF: 532272.3/50



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: -330.305+/-421.515 χ^2/NDF: 34.3/27

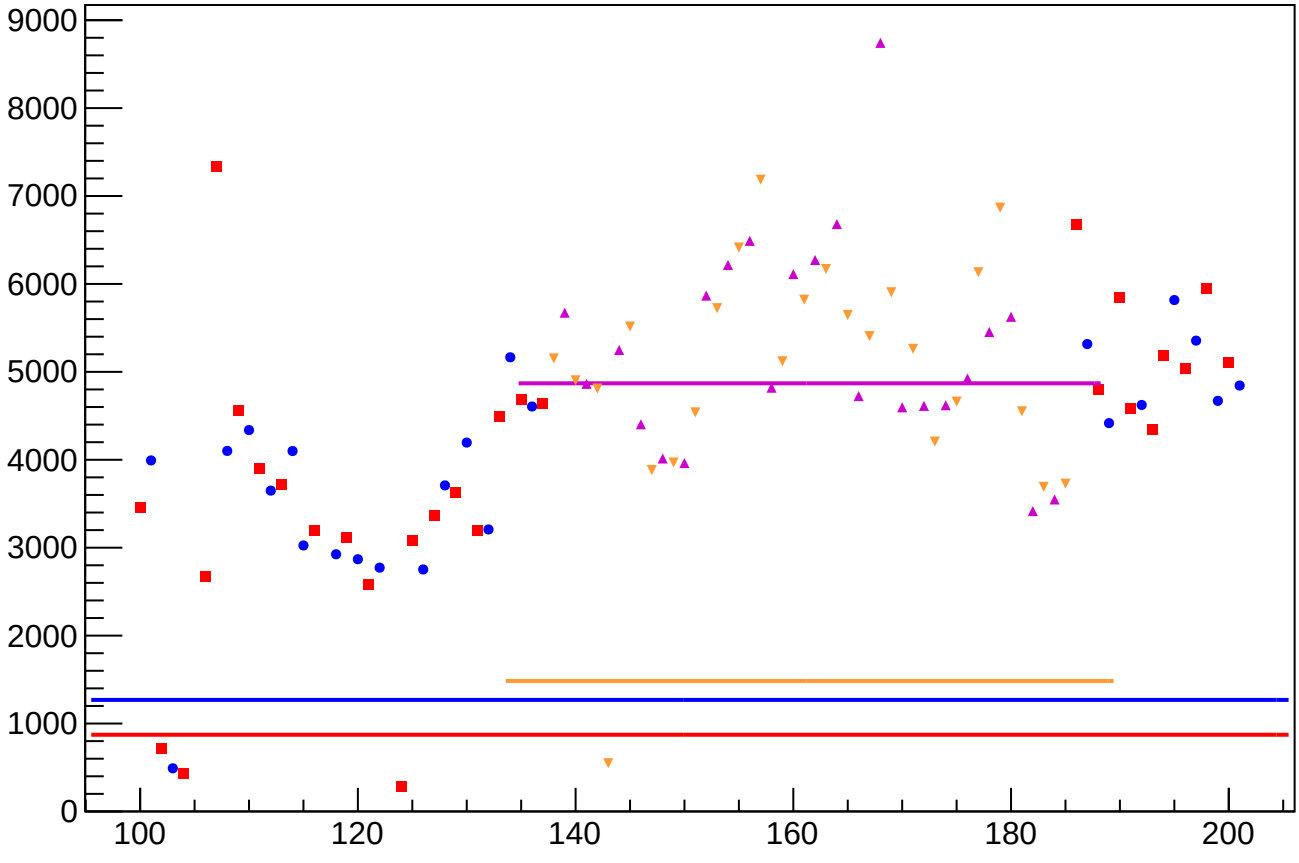
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -394.786+/-389.209 χ^2/NDF: 57.4/47

All: -330.758+/-277.709 χ^2/NDF: 105.5/98

- sign -264.353+/-396.370 χ^2/NDF: 48.1/50

asym_atl_avg_eigen_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

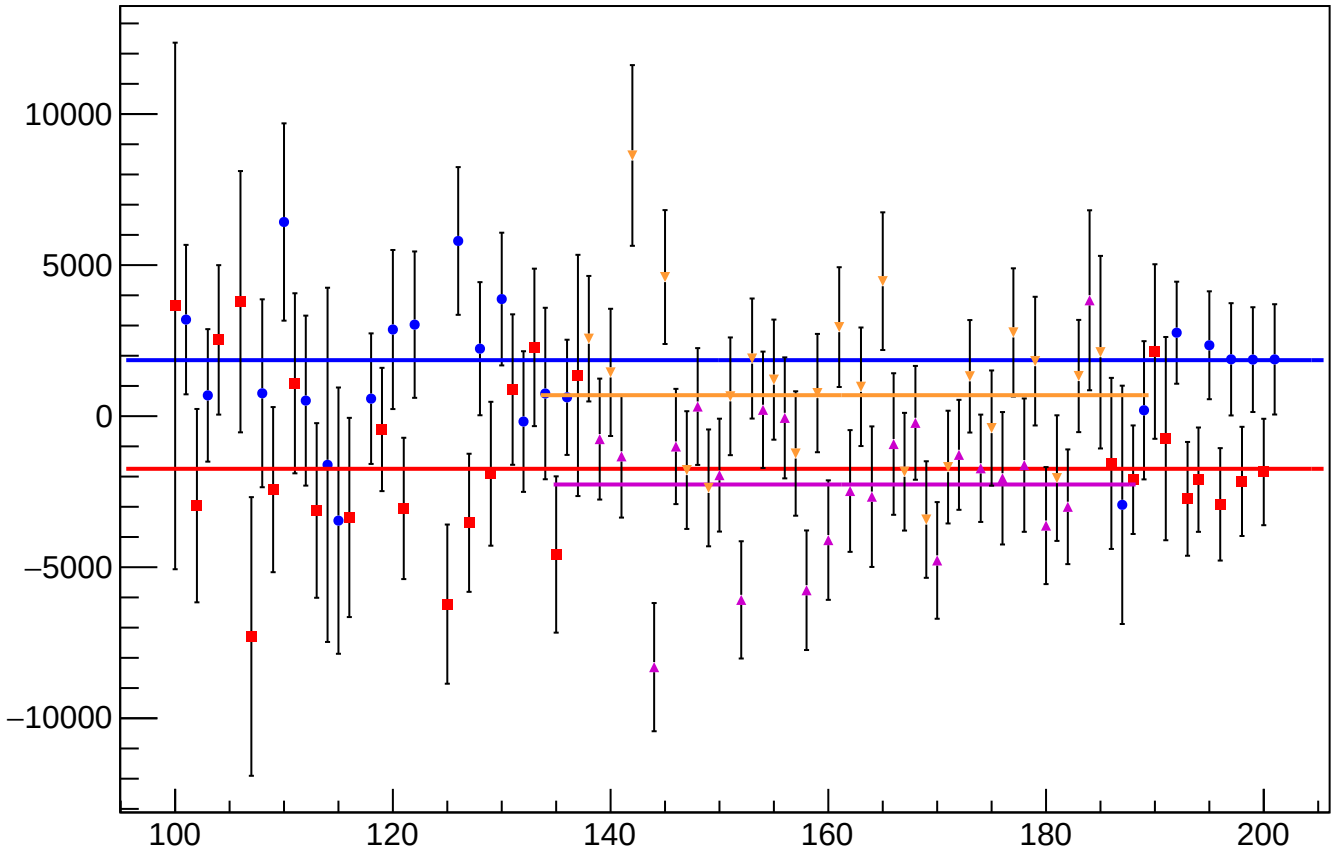
Right Out: 872.447+/-0.298 χ^2/NDF: 17729994.5/27

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1380.385+/-0.275 χ^2/NDF: 37601405.1/47

All: 1358.167+/-0.196 χ^2/NDF: 77637138.1/9

- sign 1335.124+/-0.280 χ^2/NDF: 40022456.2/50



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: -1742.588+/-473.206 χ^2/NDF: 20.3/26

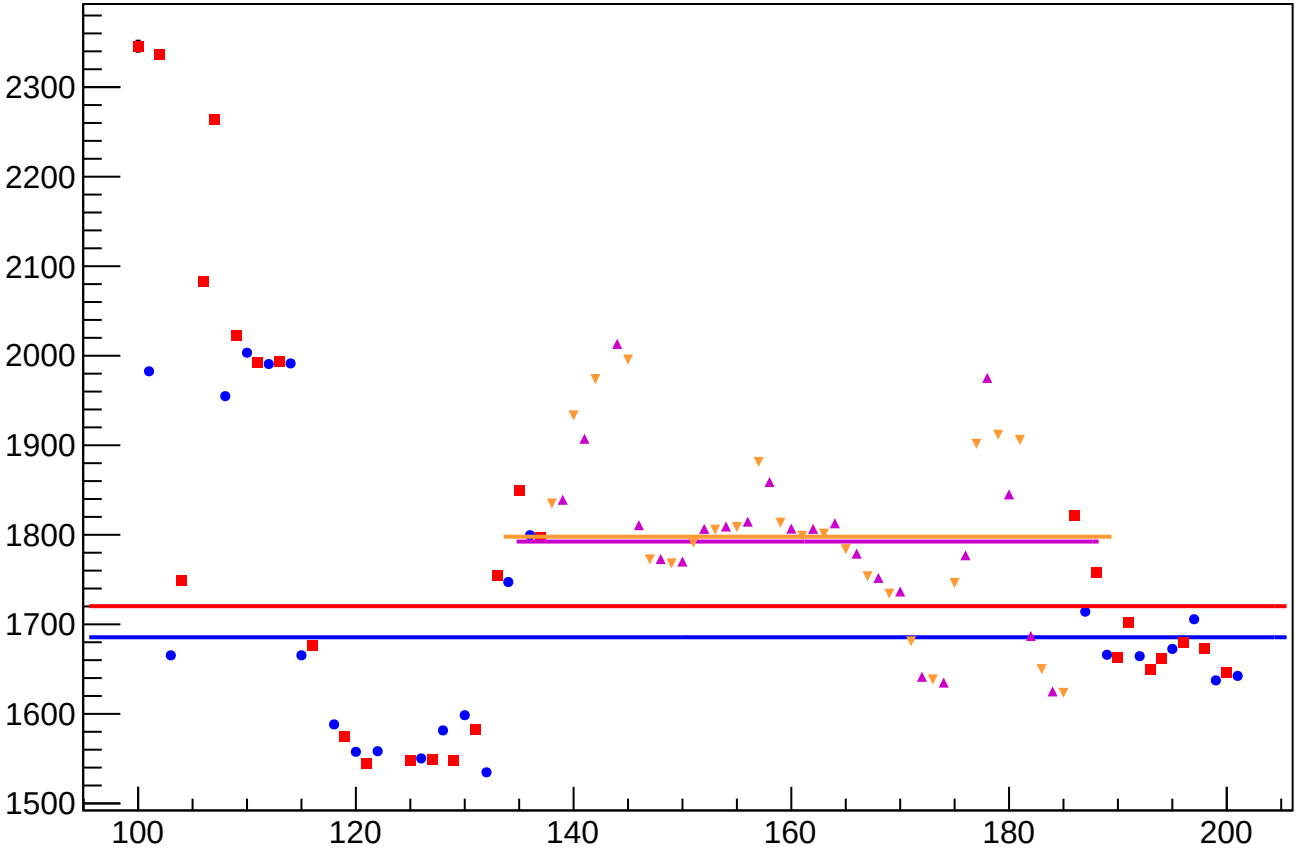
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1192.437+/-315.716 χ^2/NDF: 48.1/46

All: -430.482+/-222.555 χ^2/NDF: 152.0/96

- sign -2033.496+/-313.774 χ^2/NDF: 51.3/49

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

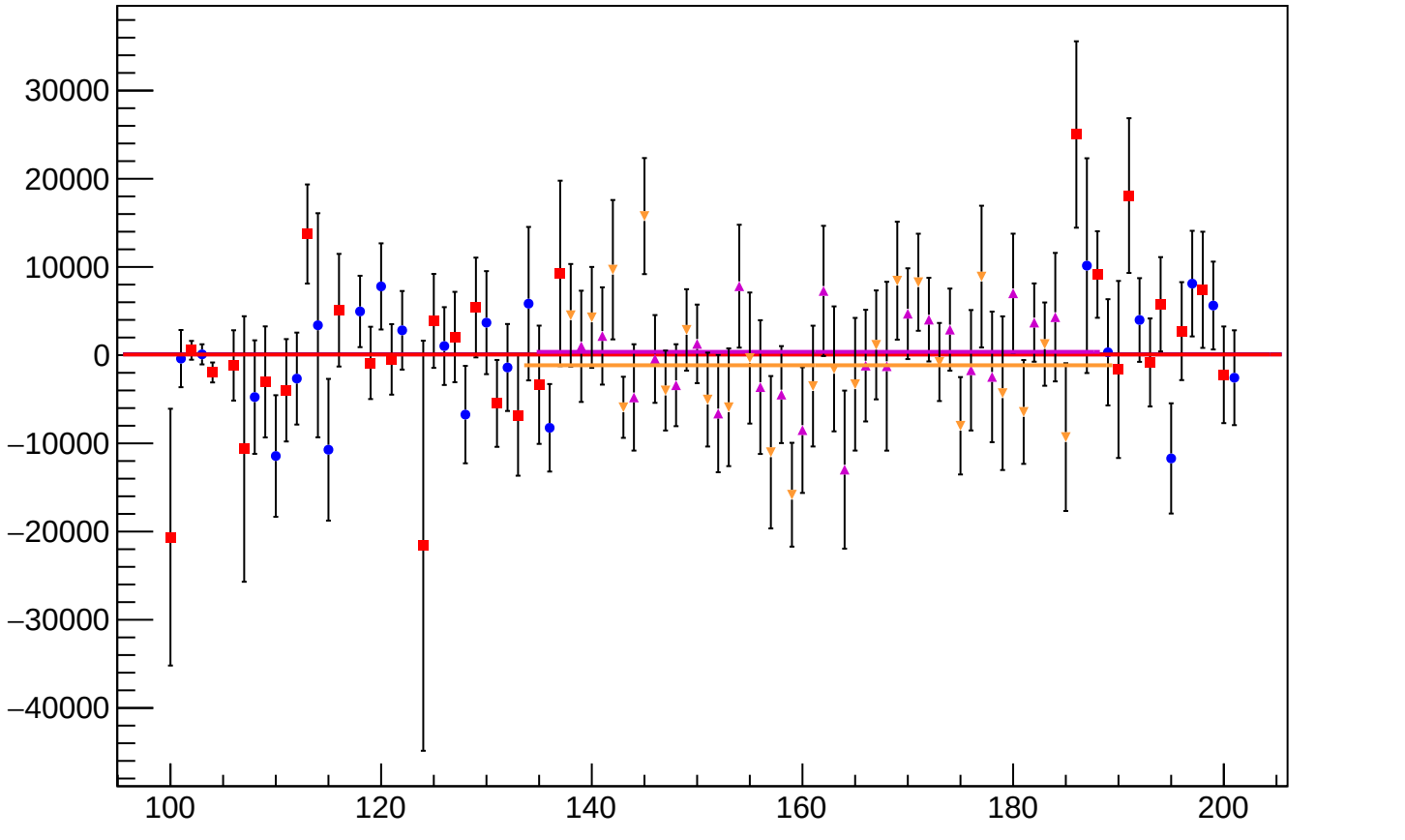
Right Out: 1720.293+/-0.334 χ^2/NDF: 267870.9/26

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1749.642+/-0.223 χ^2/NDF: 300115.7/46

All: 1755.199+/-0.157 χ^2/NDF: 688184.2/96

- sign 1760.683+/-0.222 χ^2/NDF: 386837.3/49



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: 75.088+/-644.777 χ^2/NDF: 35.2/27

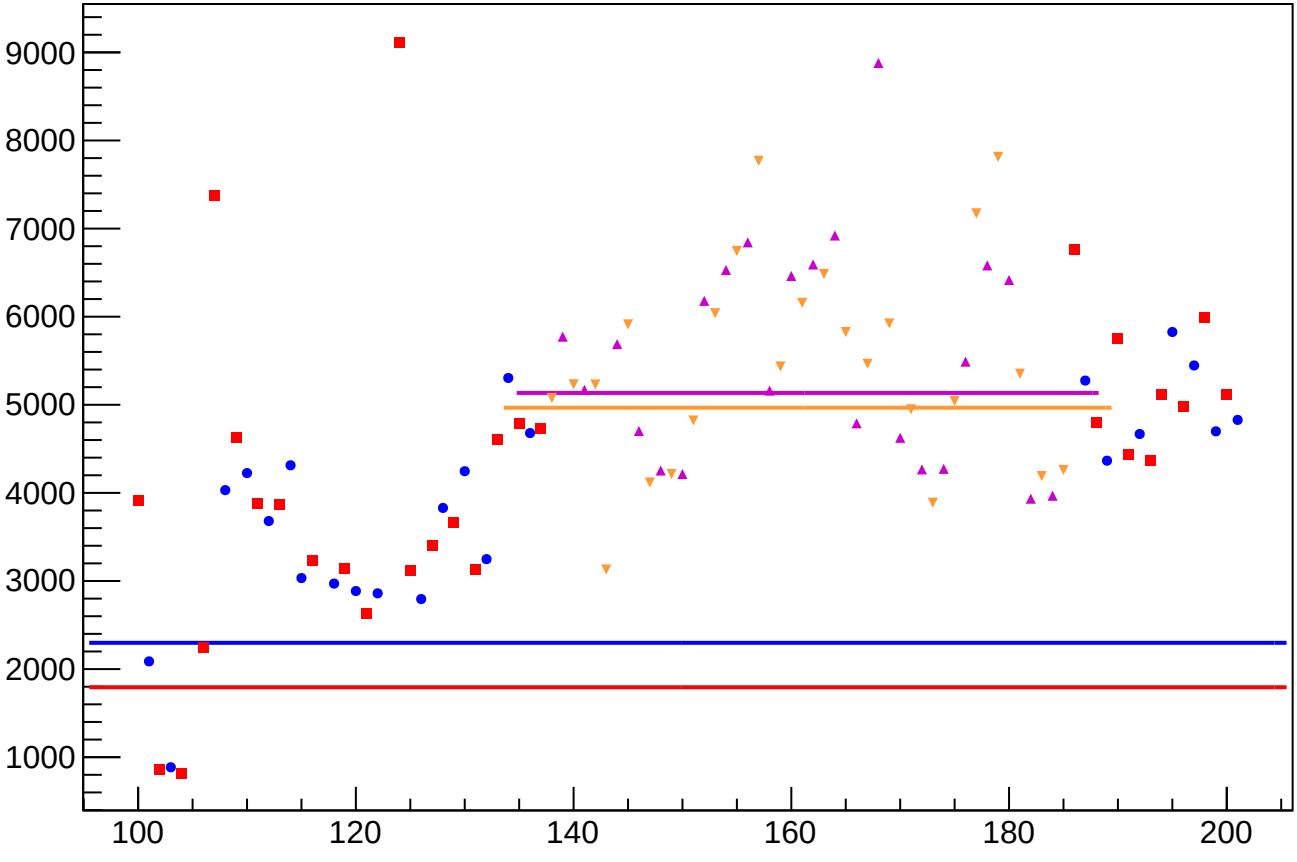
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign -304.039+/-663.276 χ^2/NDF: 56.7/47

All: -49.082+/-432.710 χ^2/NDF: 105.4/98

\- sign 139.829+/-570.940 χ^2/NDF: 48.5/50

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: 1793.843+/-0.456 χ^2/NDF: 11713294.1/27

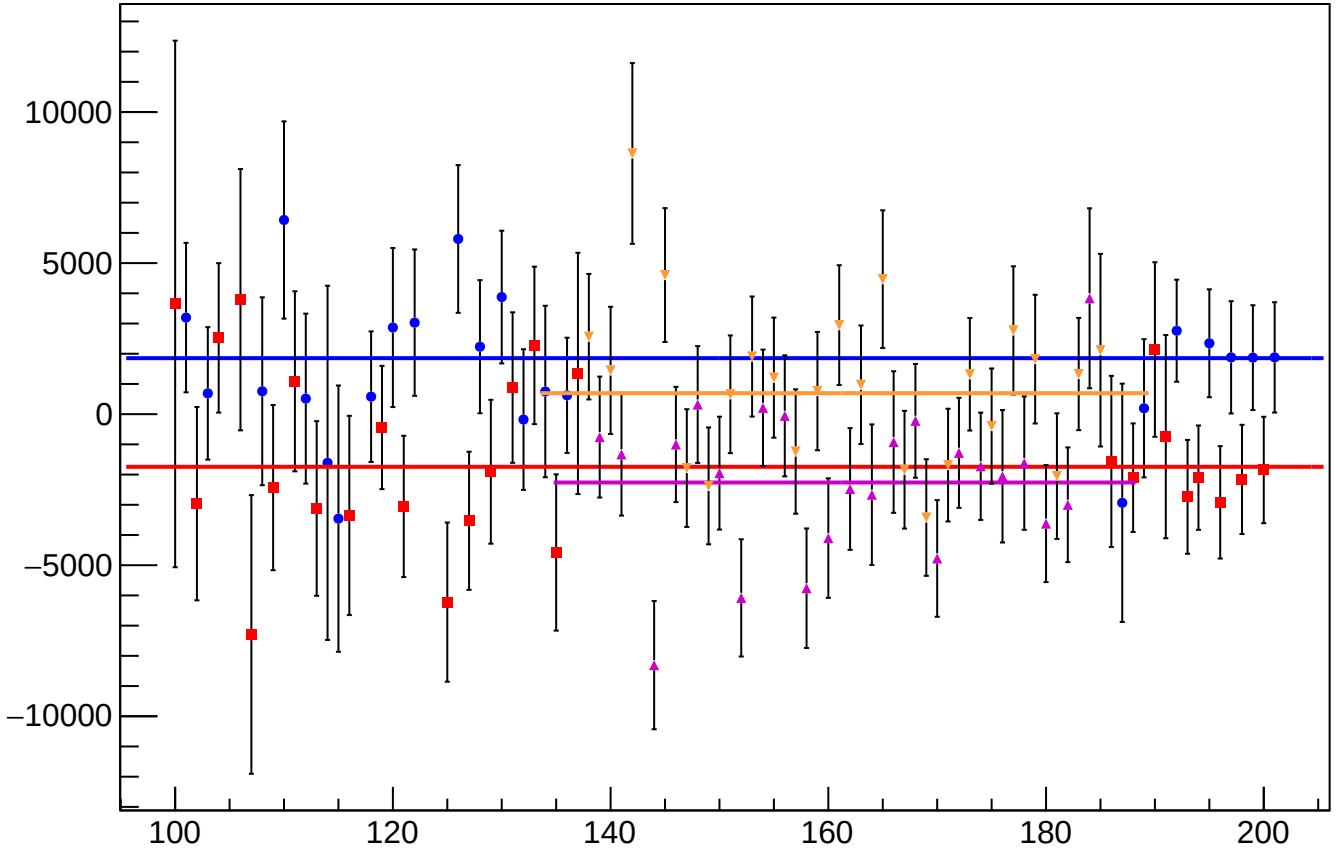
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3164.092+/-0.469 χ^2/NDF: 16839839.1/47

All: 2791.335+/-0.306 χ^2/NDF: 42731690.9/9

- sign 2515.139+/-0.404 χ^2/NDF: 24792136.8/50

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: -1742.586+/-473.206 χ^2/NDF: 20.3/26

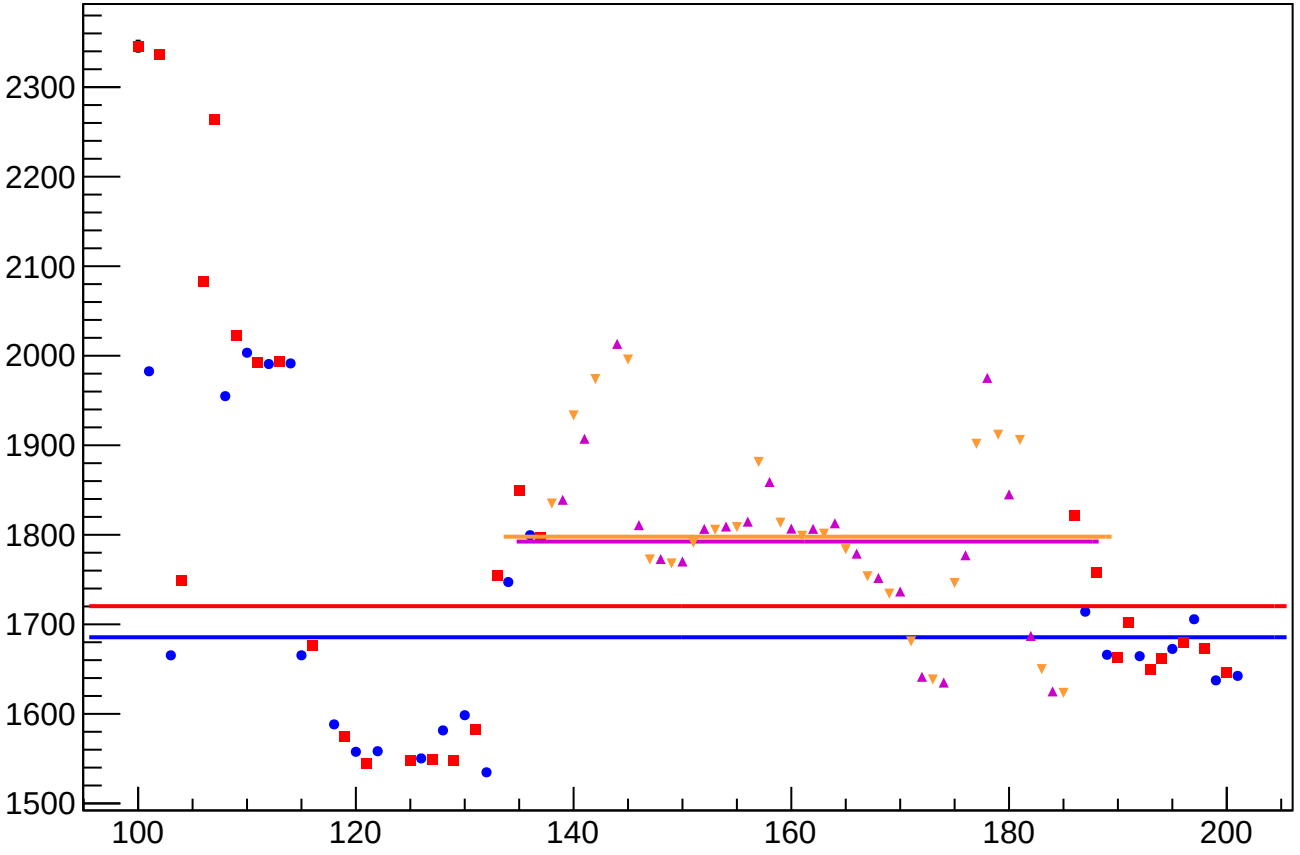
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1192.433+/-315.716 χ^2/NDF: 48.1/46

All: -430.483+/-222.555 χ^2/NDF: 152.0/96

- sign -2033.495+/-313.774 χ^2/NDF: 51.3/49

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

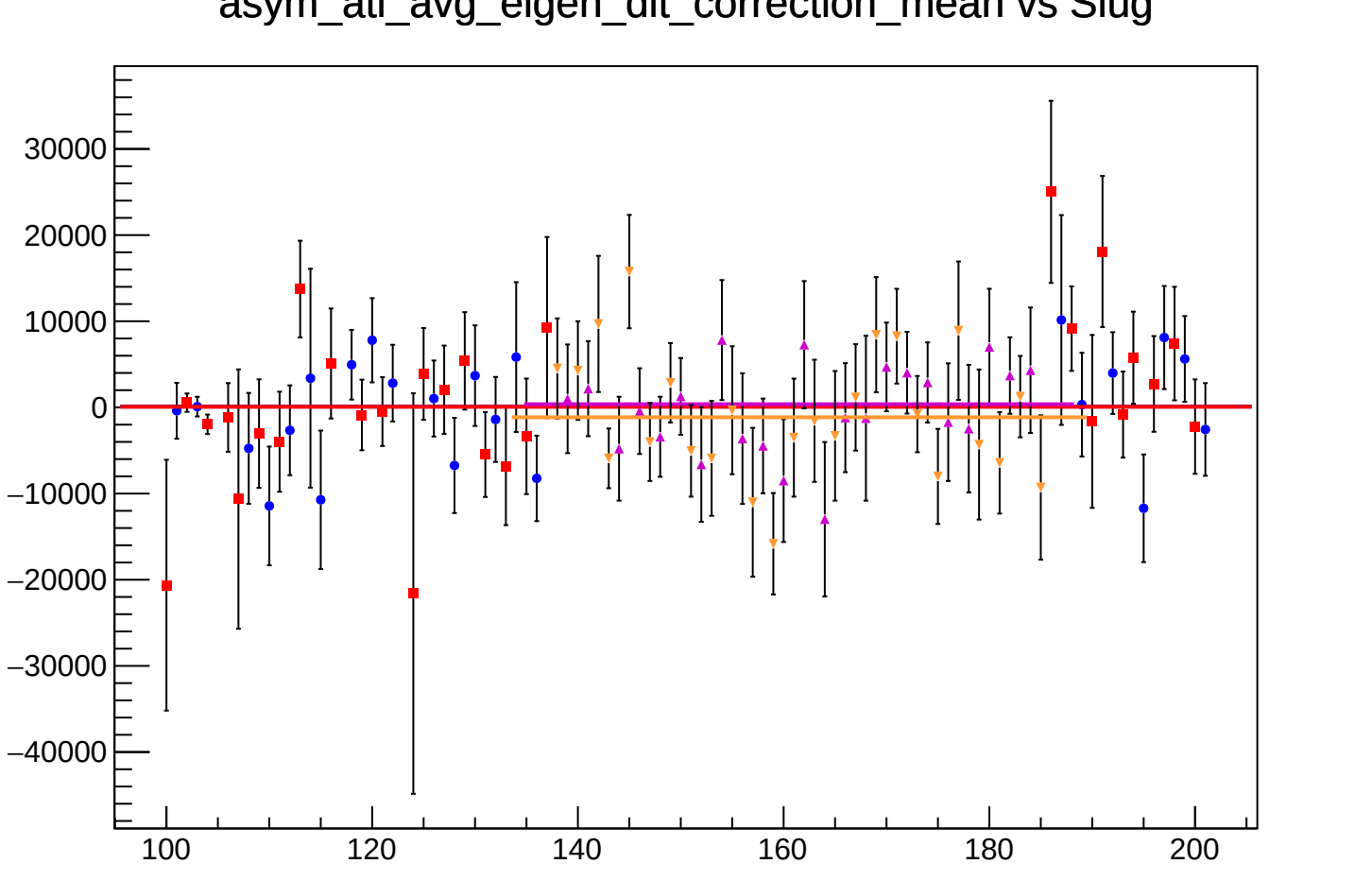
Right Out: 1720.293+/-0.334 χ^2/NDF: 267870.1/26

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1749.642+/-0.223 χ^2/NDF: 300120.9/46

All: 1755.200+/-0.157 χ^2/NDF: 688193.0/96

- sign 1760.684+/-0.222 χ^2/NDF: 386840.8/49



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: 75.082+/-644.773 χ^2/NDF: 35.2/27

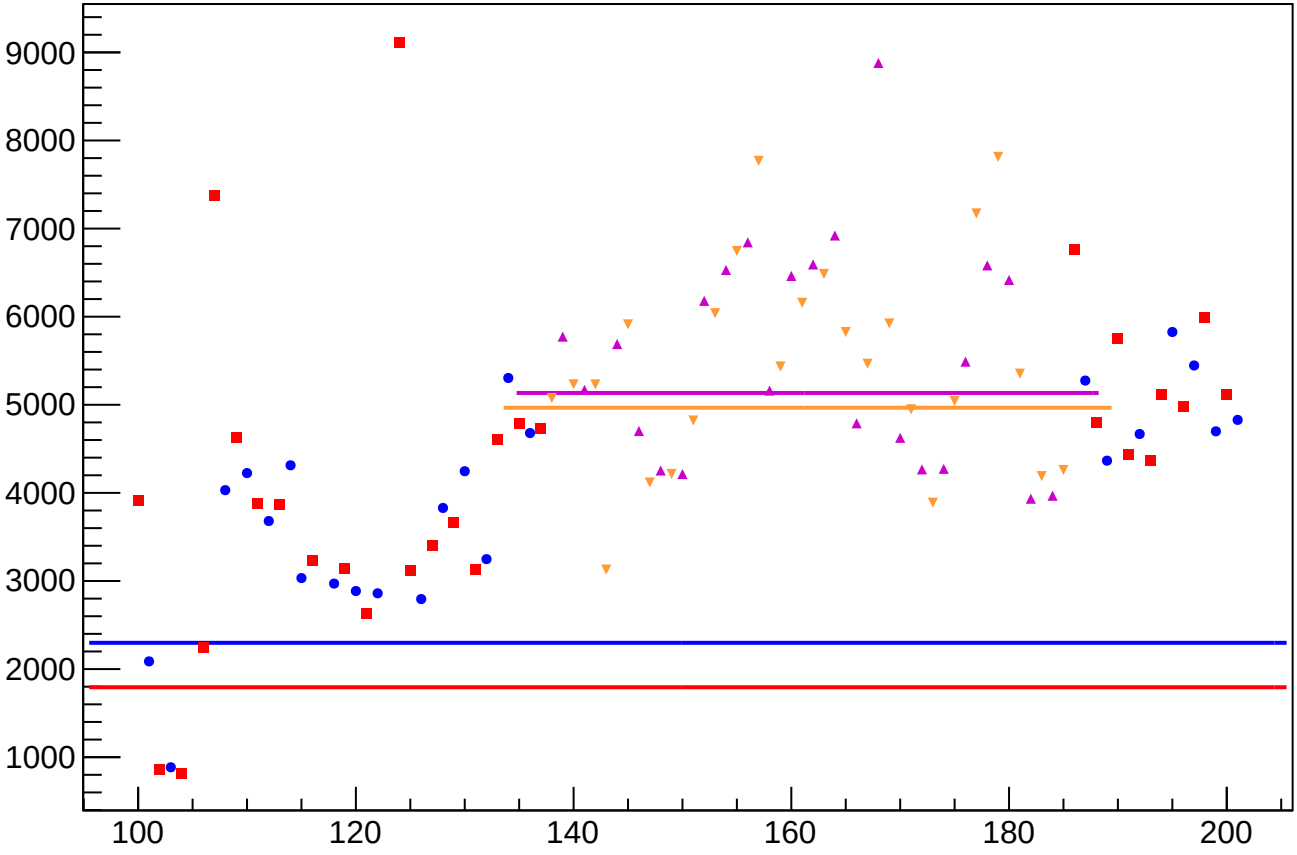
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -304.036+/-663.274 χ^2/NDF: 56.7/47

All: -49.084+/-432.708 χ^2/NDF: 105.4/98

\- sign 139.824+/-570.937 χ^2/NDF: 48.5/50

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: 1793.826+/-0.456 χ^2/NDF: 11713383.9/27

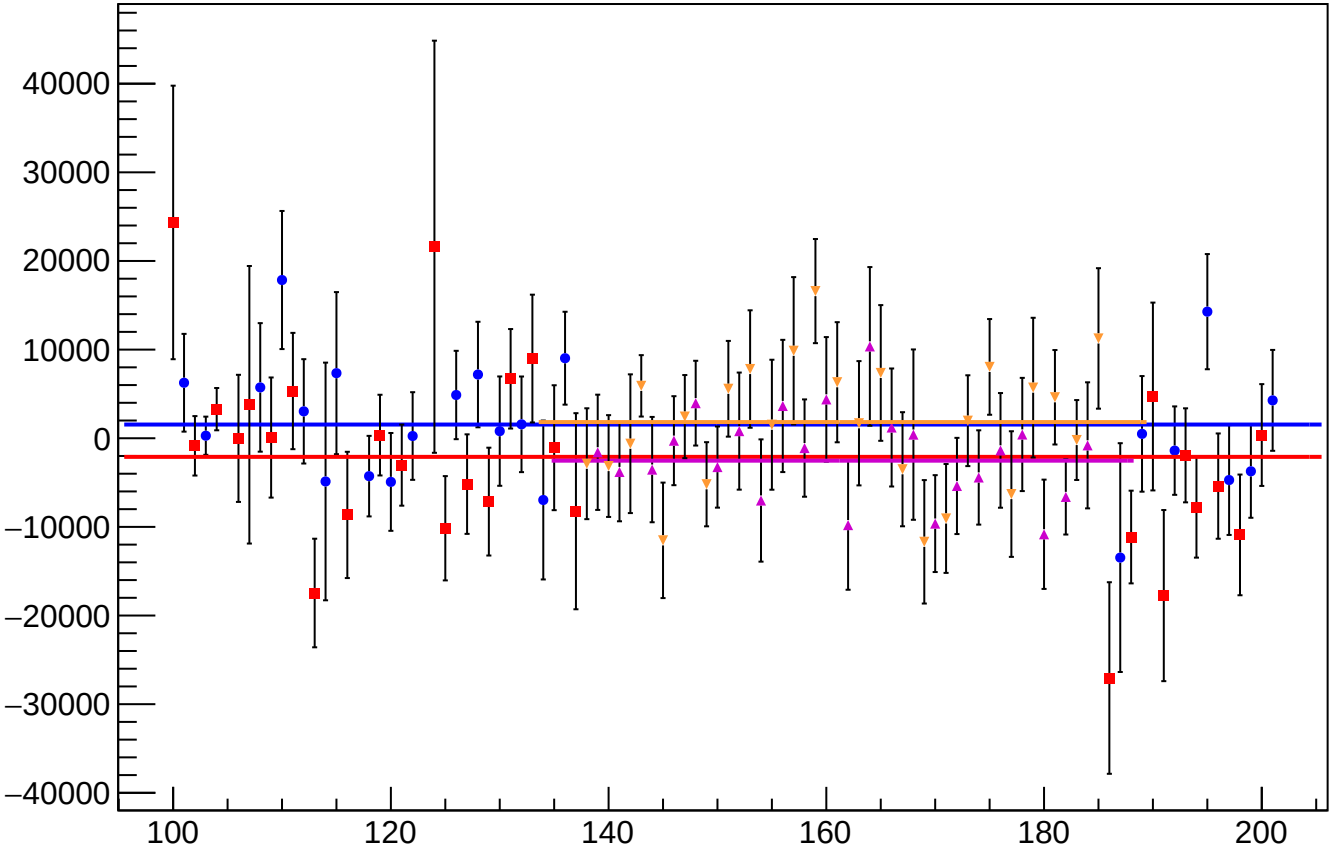
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3164.074+/-0.469 χ^2/NDF: 16840079.9/47

All: 2791.315+/-0.306 χ^2/NDF: 42732219.8/9

- sign 2515.118+/-0.404 χ^2/NDF: 24792408.6/50

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: -2099.568+/-1078.183 χ^2/NDF: 40.8/27

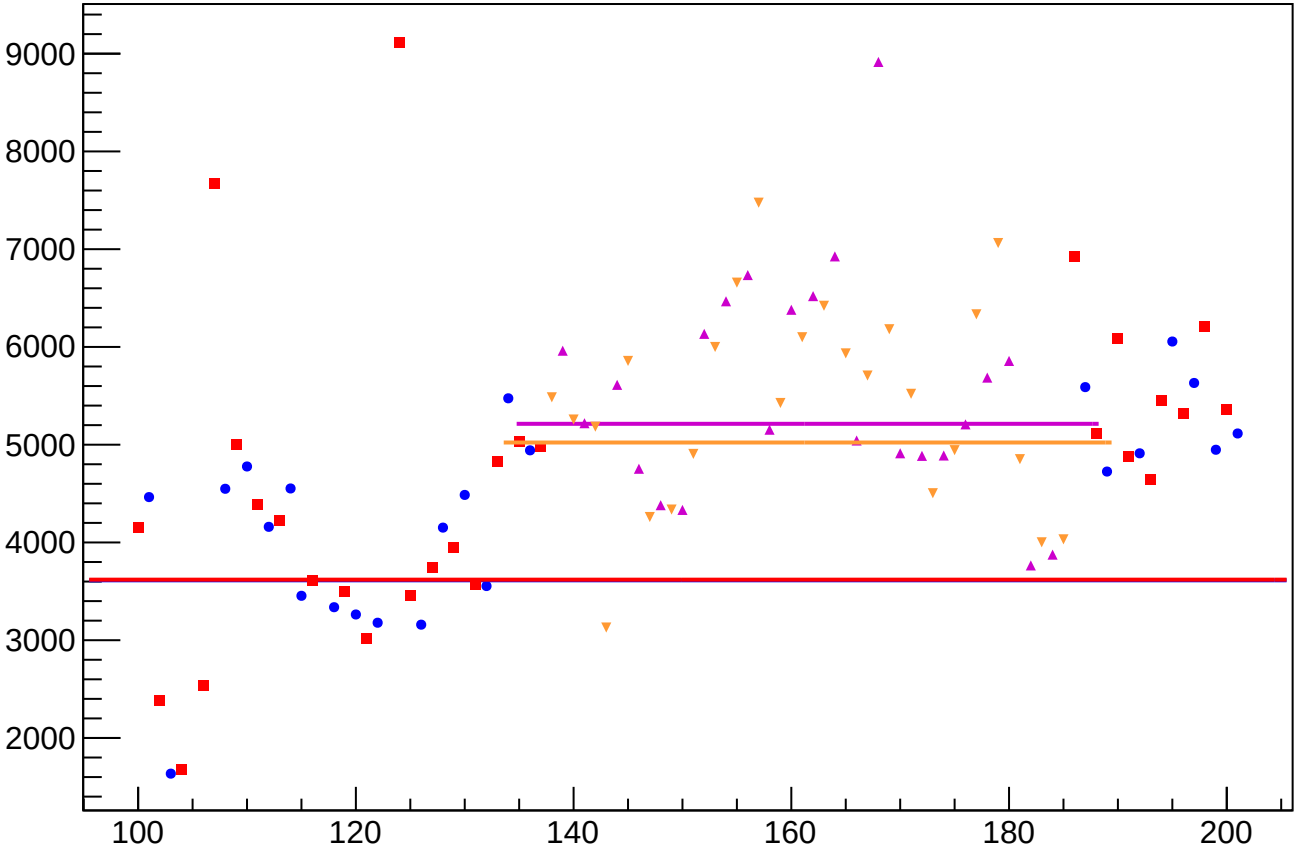
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1678.182+/-804.568 χ^2/NDF: 52.8/47

All: -279.485+/-572.292 χ^2/NDF: 118.9/98

- sign -2284.323+/-814.204 χ^2/NDF: 54.1/50

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

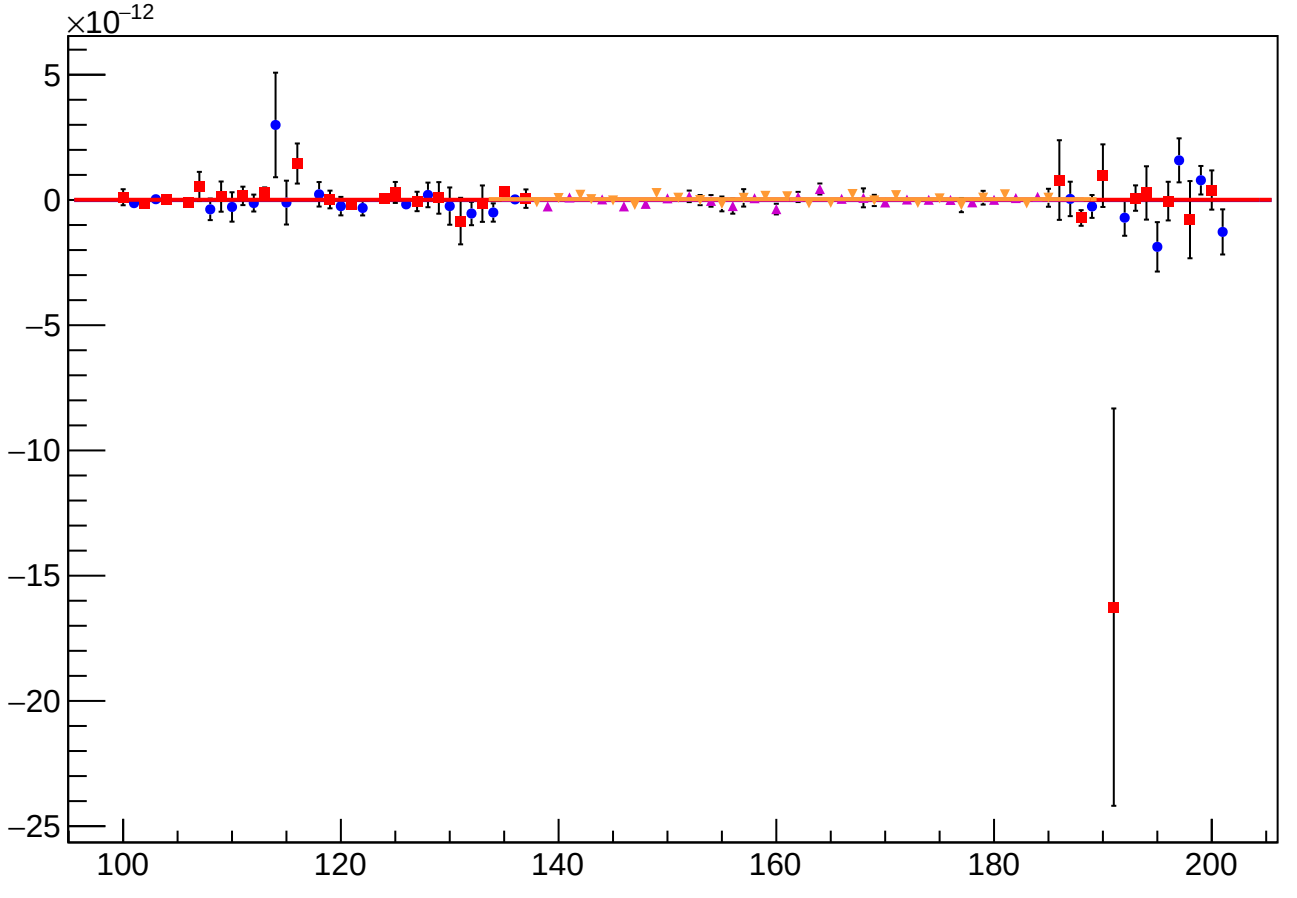
Right Out: 3619.372+/-0.753 χ^2/NDF: 3699965.6/27

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4276.587+/-0.569 χ^2/NDF: 6371043.6/47

All: 4285.844+/-0.403 χ^2/NDF: 13193021.3/9

- sign 4295.195+/-0.572 χ^2/NDF: 6821445.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

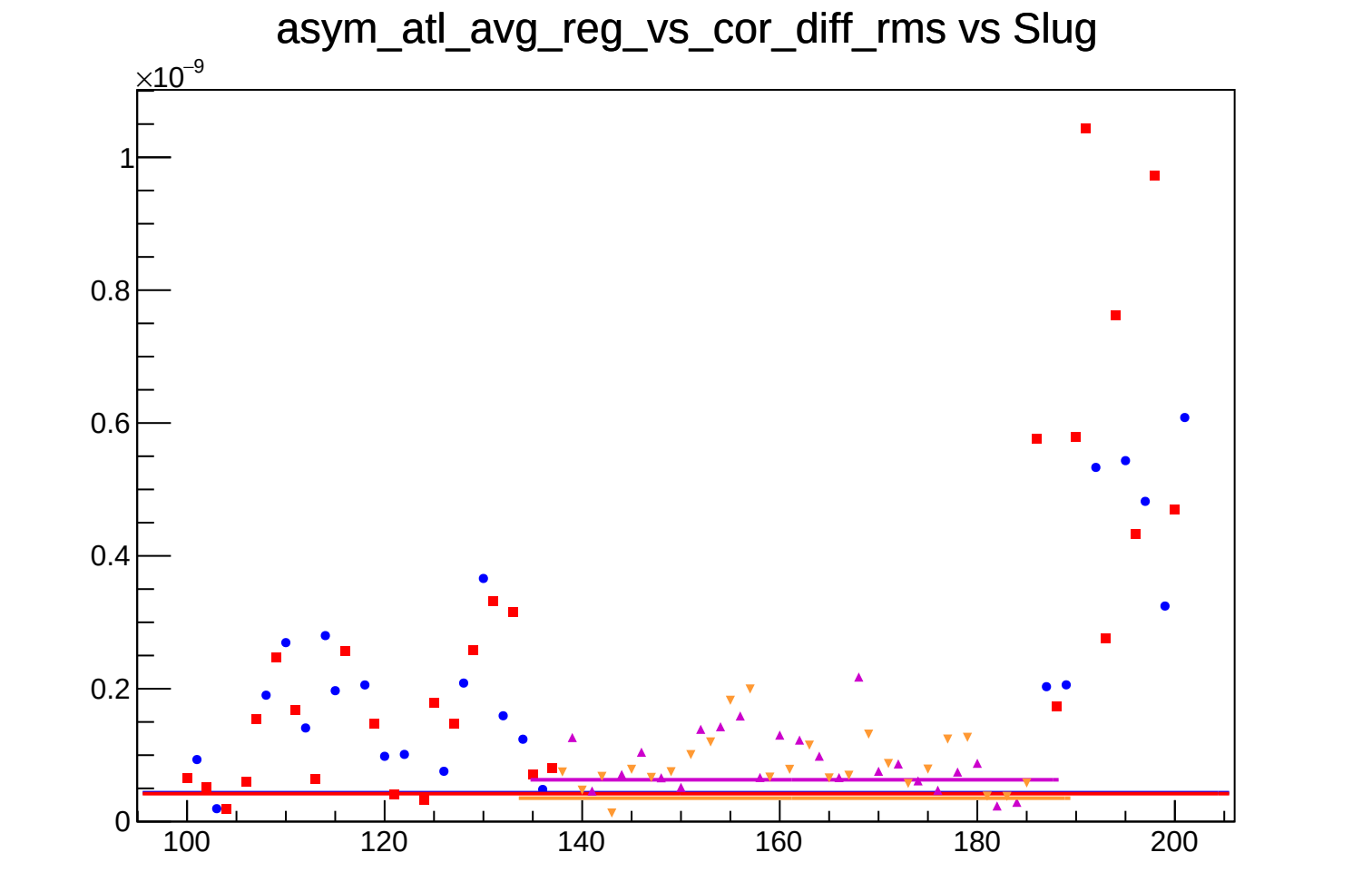
Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/27

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

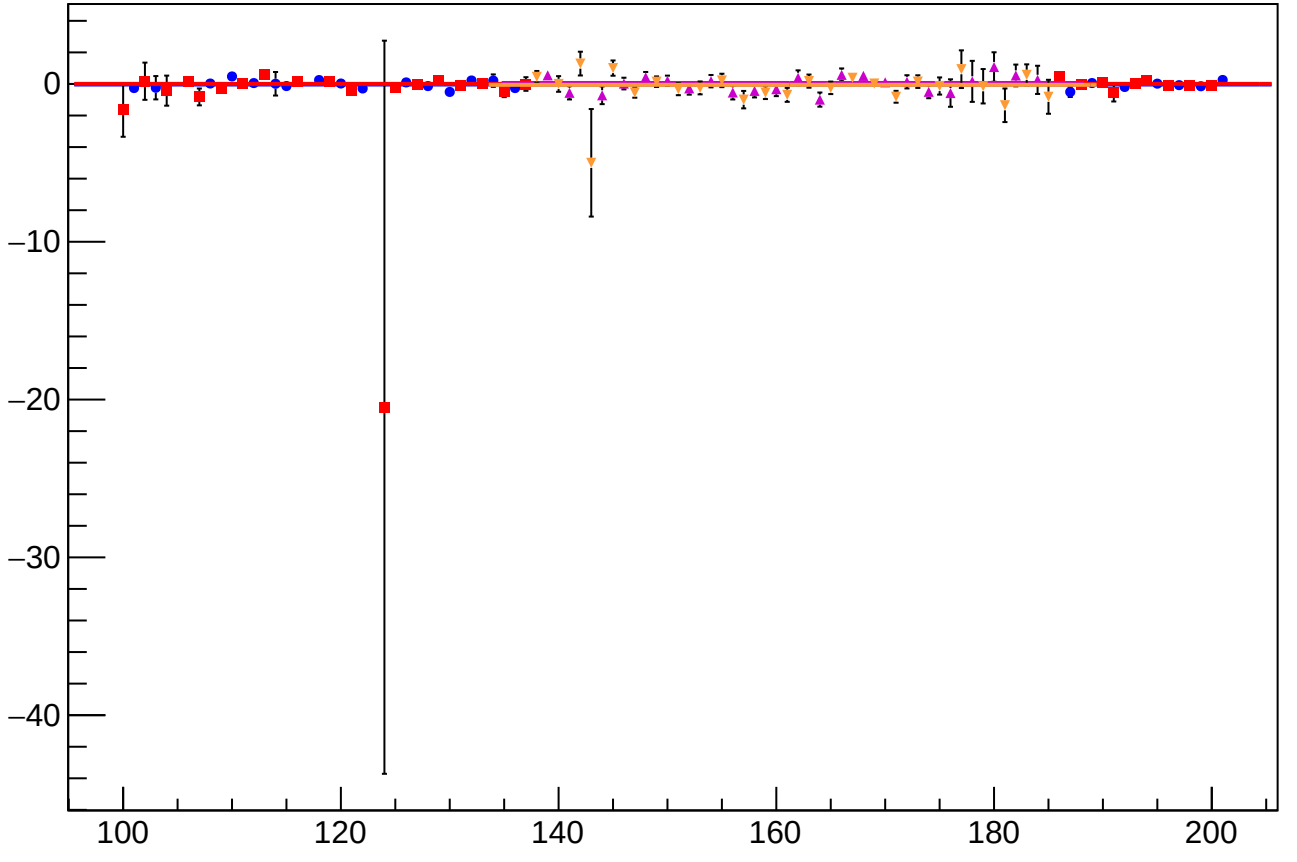
+ sign 0.000+/-0.000 χ^2/NDF: 48.6/47

All: 0.000+/-0.000 χ^2/NDF: 94.0/98

- sign 0.000+/-0.000 χ^2/NDF: 45.2/50


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6506239.2/22
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 6904858.6/27
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
+ sign 0.000+/-0.000 χ²/NDF: 13109605.5/47
All: 0.000+/-0.000 χ²/NDF: 24255105.9/98
- sign 0.000+/-0.000 χ²/NDF: 10324523.0/50

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: 0.005+/-0.040 χ^2/NDF: 29.4/27

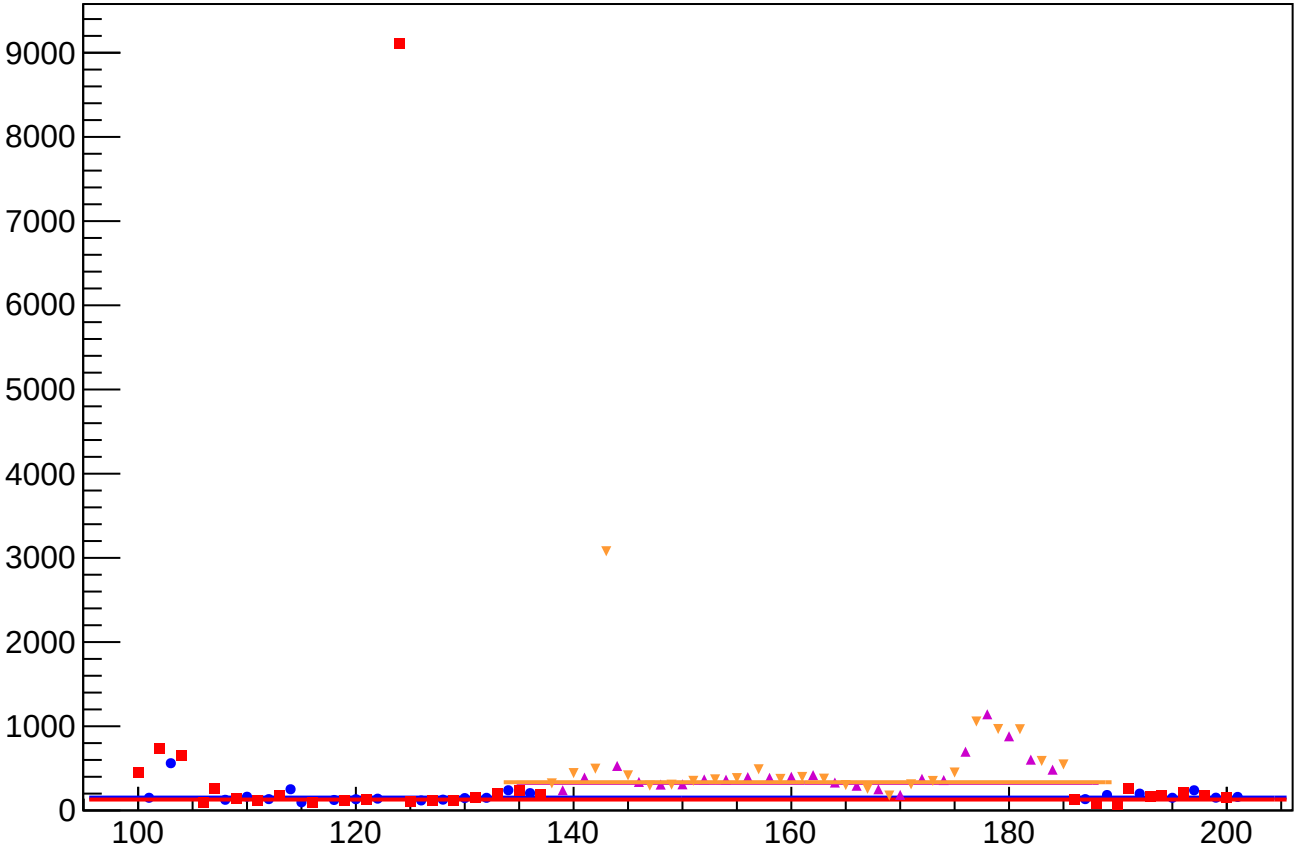
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.038+/-0.041 χ^2/NDF: 56.3/47

All: -0.008+/-0.027 χ^2/NDF: 115.1/98

- sign 0.016+/-0.036 χ^2/NDF: 57.8/50

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

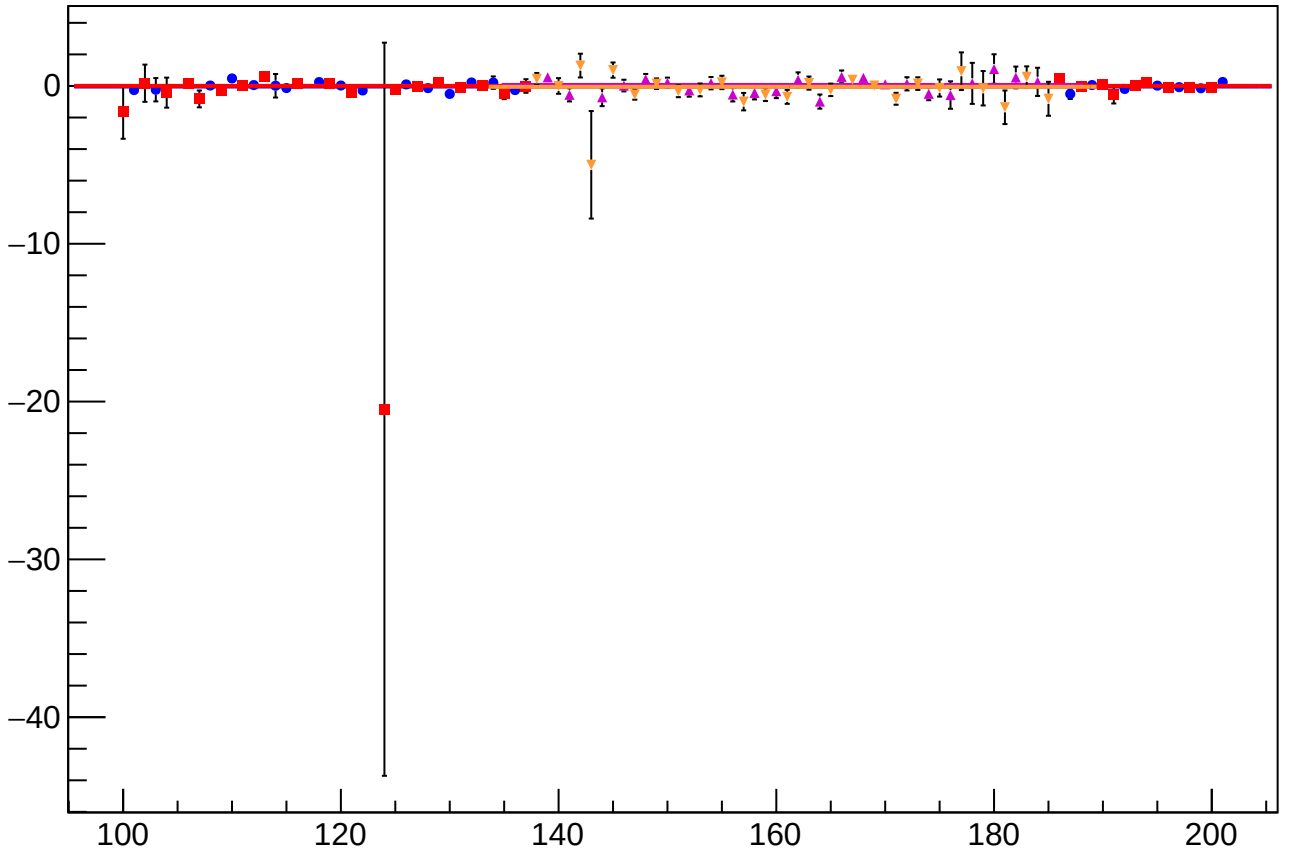
Right Out: 129.688+/-0.028 χ^2/NDF: 3674336.4/27

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 195.283+/-0.029 χ^2/NDF: 14477011.7/47

All: 179.552+/-0.019 χ^2/NDF: 32098037.9/98

- sign 167.293+/-0.026 χ^2/NDF: 17093504.9/50



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: 0.005+/-0.040 χ^2/NDF: 29.4/27

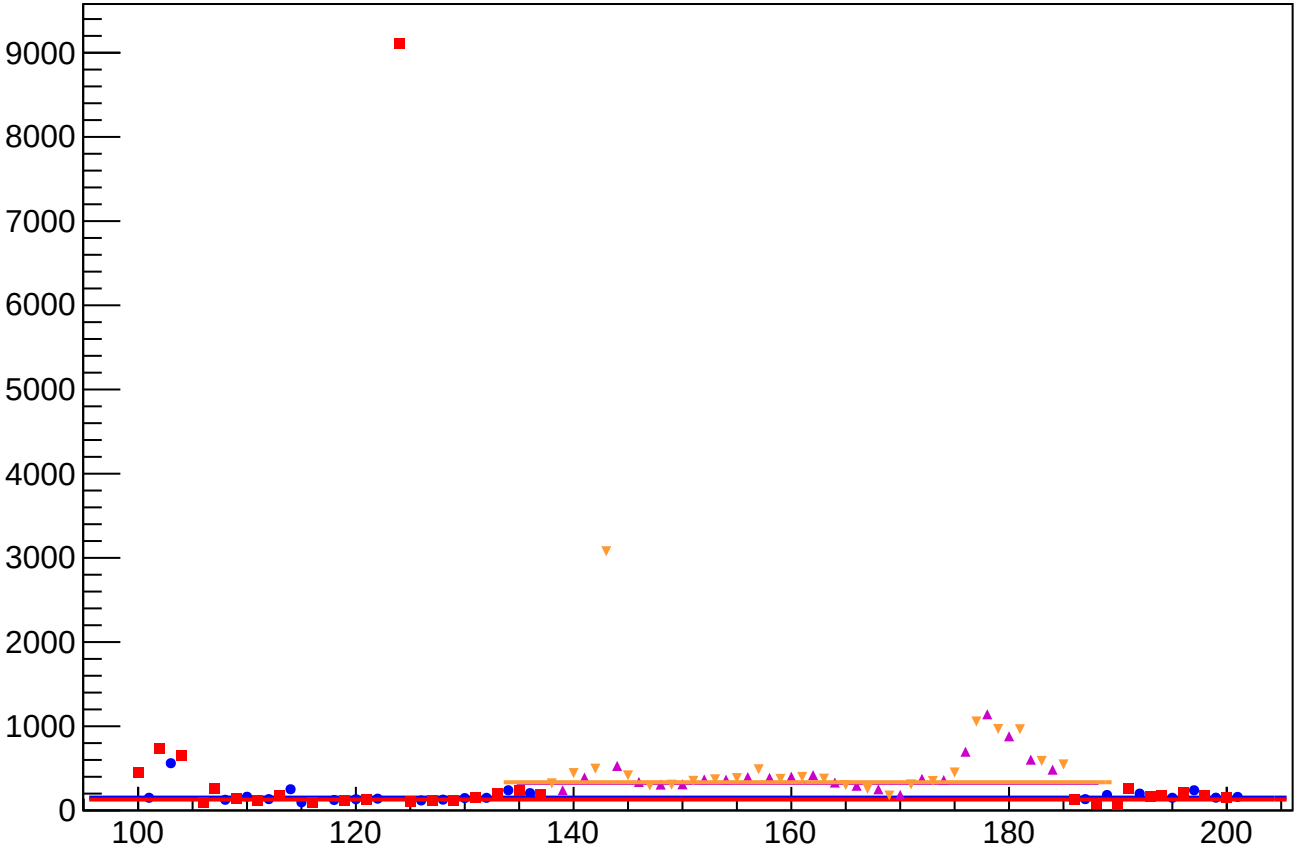
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

\+ sign -0.038+/-0.041 χ^2/NDF: 56.3/47

All: -0.008+/-0.027 χ^2/NDF: 115.1/98

\- sign 0.016+/-0.036 χ^2/NDF: 57.8/50

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

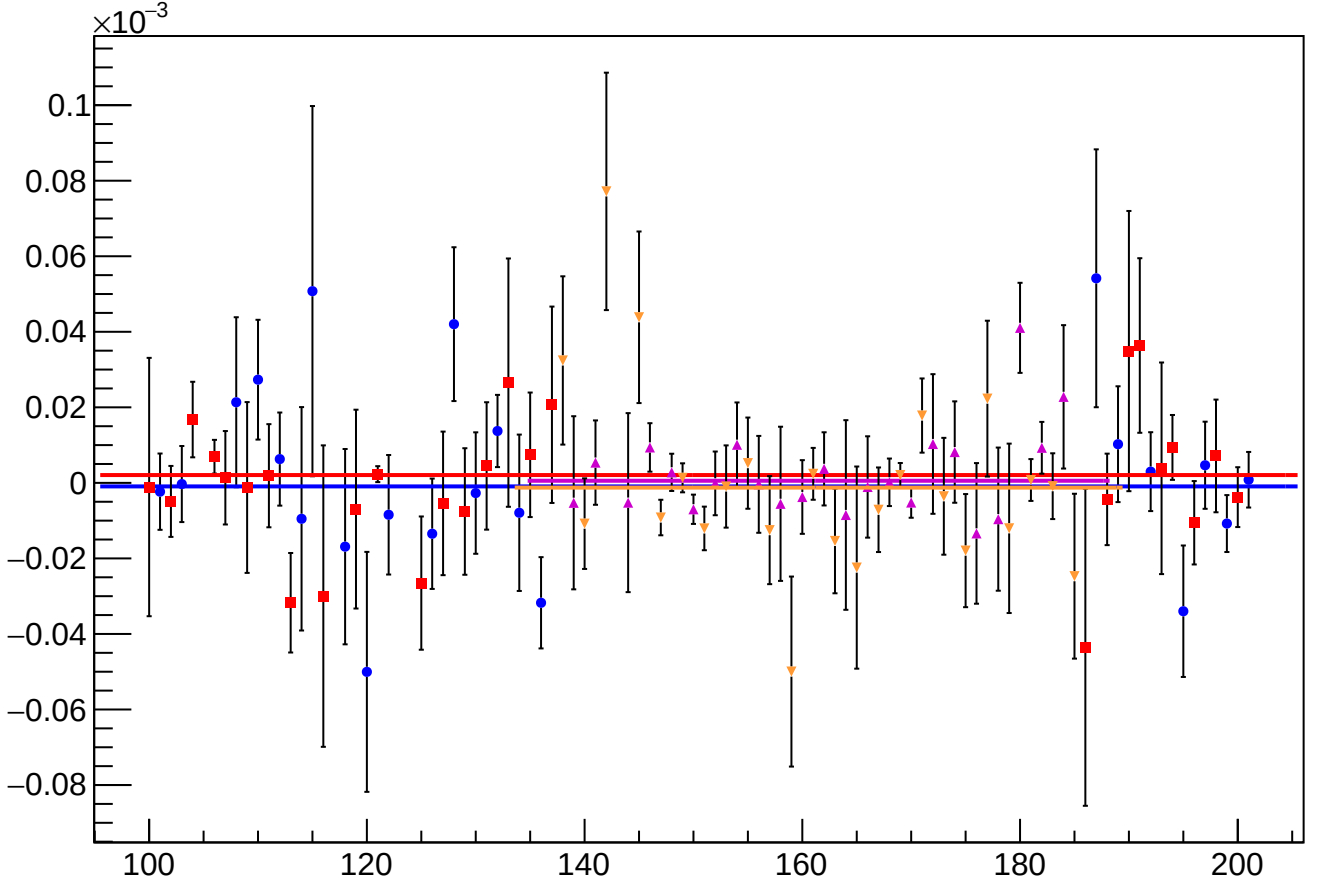
Right Out: 129.688+/-0.028 χ^2/NDF: 3674336.4/27

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 195.283+/-0.029 χ^2/NDF: 14477011.7/47

All: 179.552+/-0.019 χ^2/NDF: 32098037.9/98

- sign 167.293+/-0.026 χ^2/NDF: 17093504.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 31.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

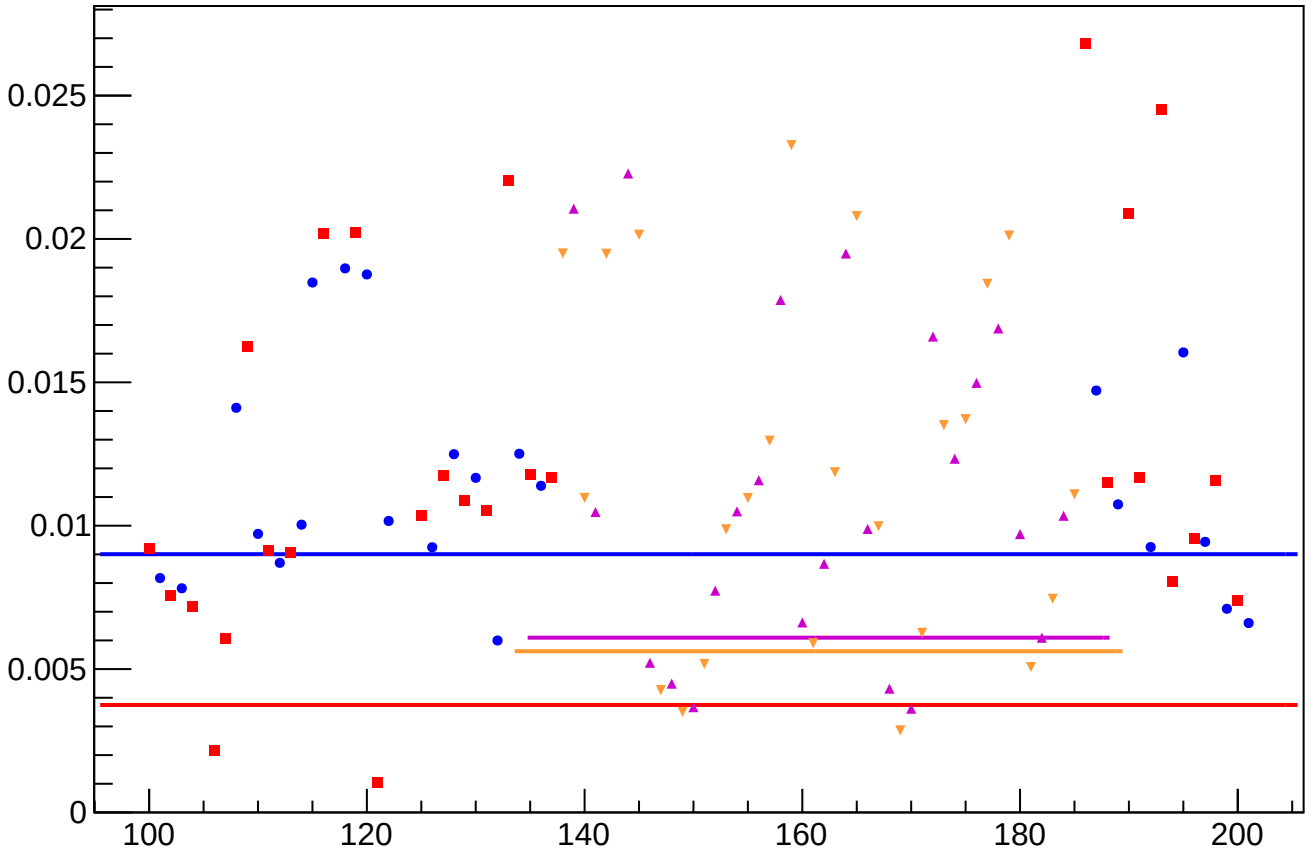
Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/26

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: 118.1/96

- sign 0.000+/-0.000 χ^2/NDF: 48.6/49



Right In: 0.009+/-0.000 χ^2/NDF: 1923689.1/22

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

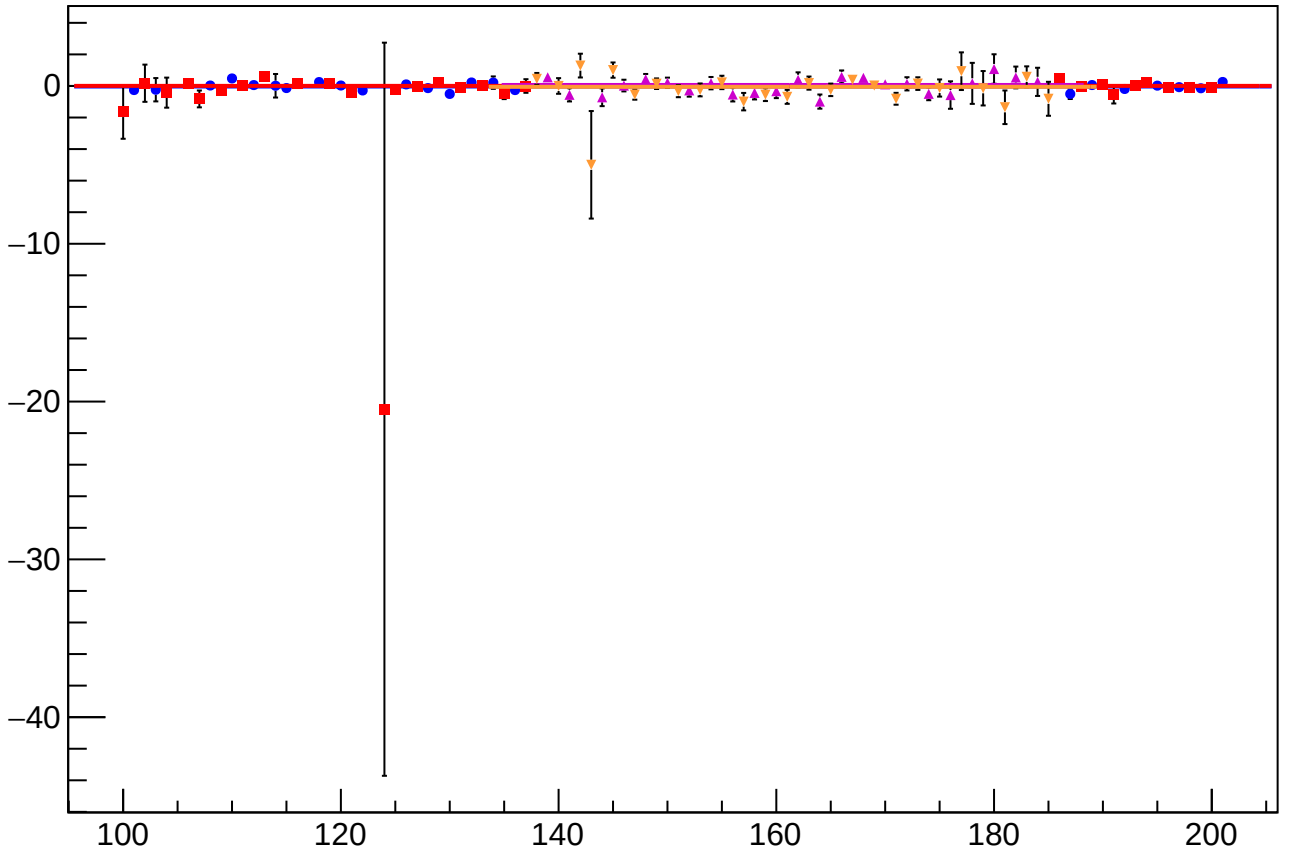
Right Out: 0.004+/-0.000 χ^2/NDF: 14389294.1/26

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: 42207537.0/96

- sign 0.005+/-0.000 χ^2/NDF: 25178069.4/49



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: 0.005+/-0.040 χ^2/NDF: 29.4/27

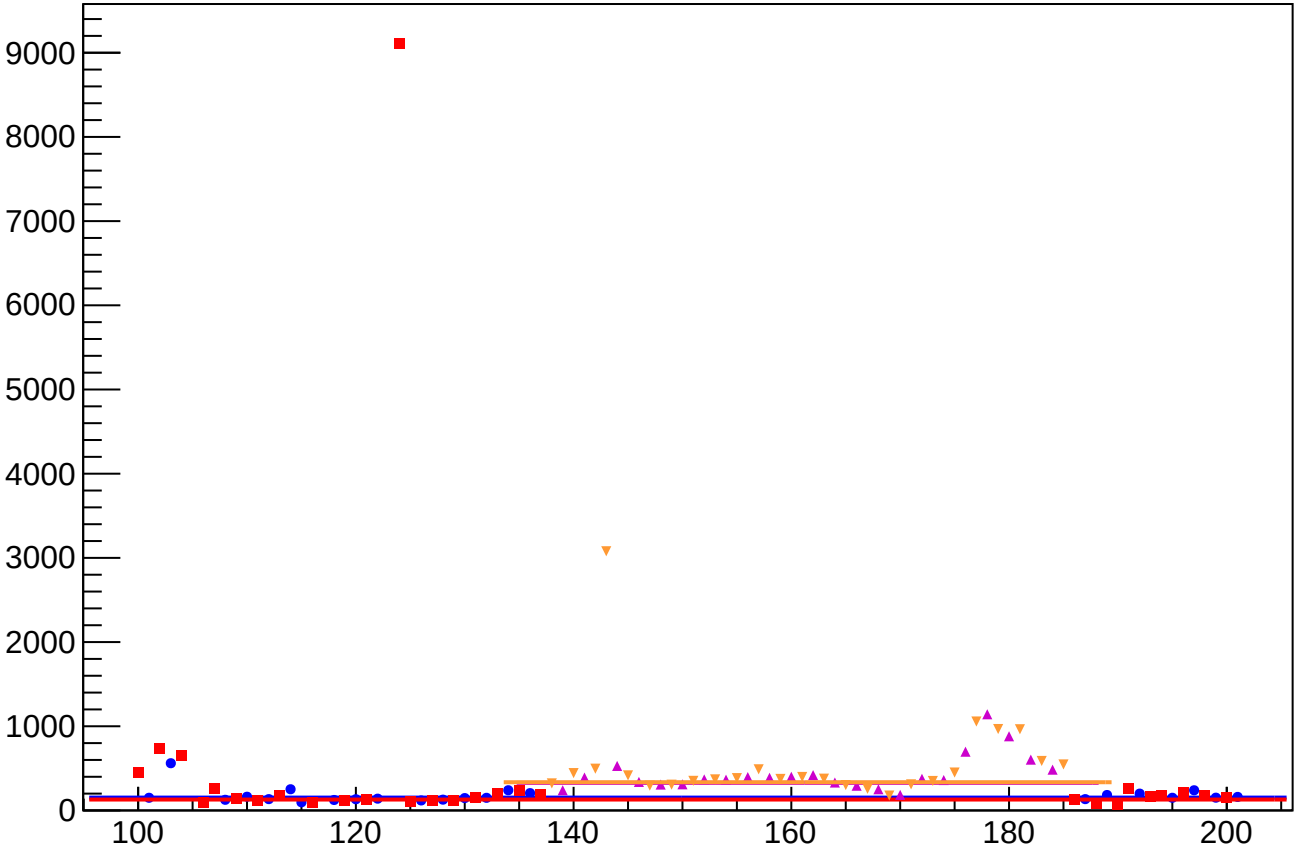
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.038+/-0.041 χ^2/NDF: 56.3/47

All: -0.008+/-0.027 χ^2/NDF: 115.1/98

- sign 0.016+/-0.036 χ^2/NDF: 57.8/50

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

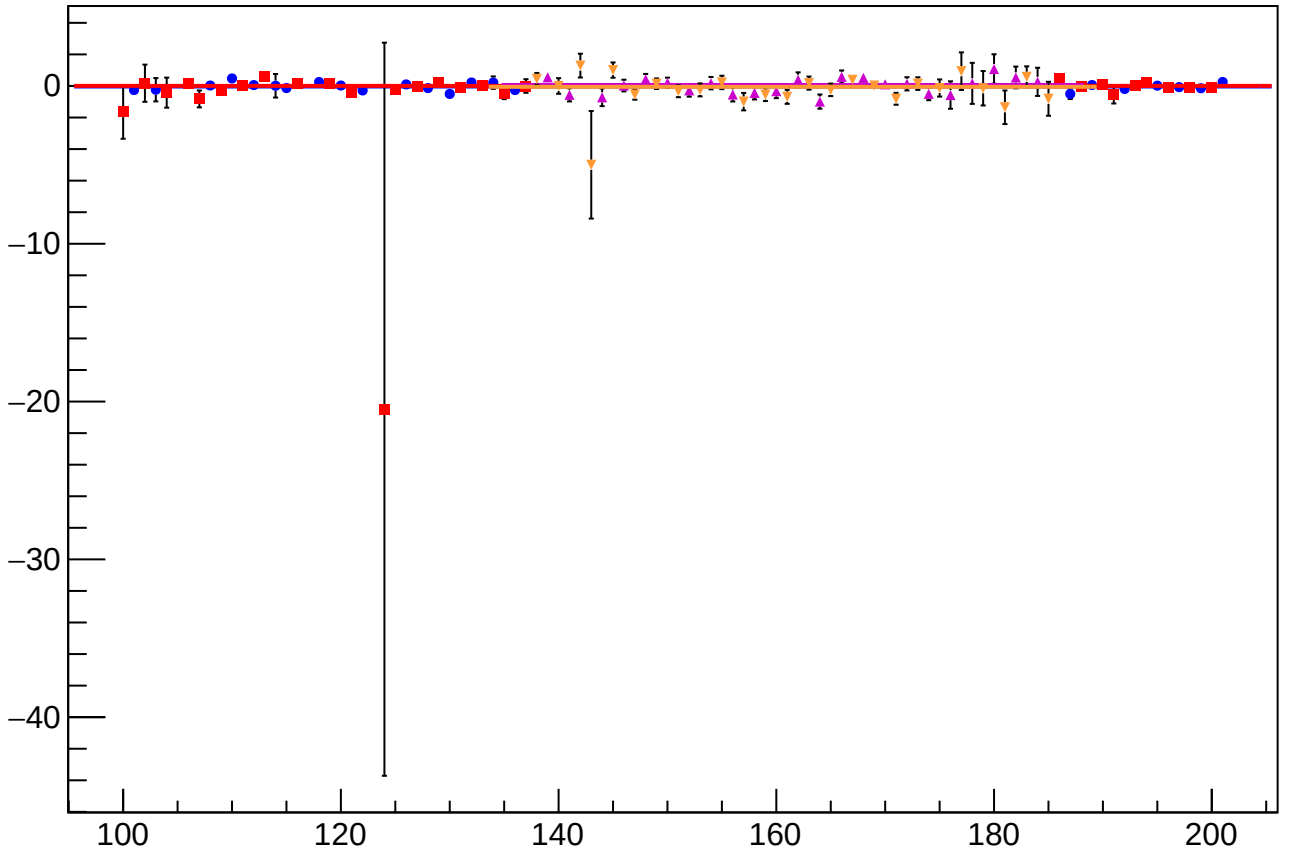
Right Out: 129.686+/-0.028 χ^2/NDF: 3674370.1/27

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 195.282+/-0.029 χ^2/NDF: 14477283.7/47

All: 179.551+/-0.019 χ^2/NDF: 32098749.7/98

- sign 167.291+/-0.026 χ^2/NDF: 17093895.8/50



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: 0.005+/-0.040 χ^2/NDF: 29.4/27

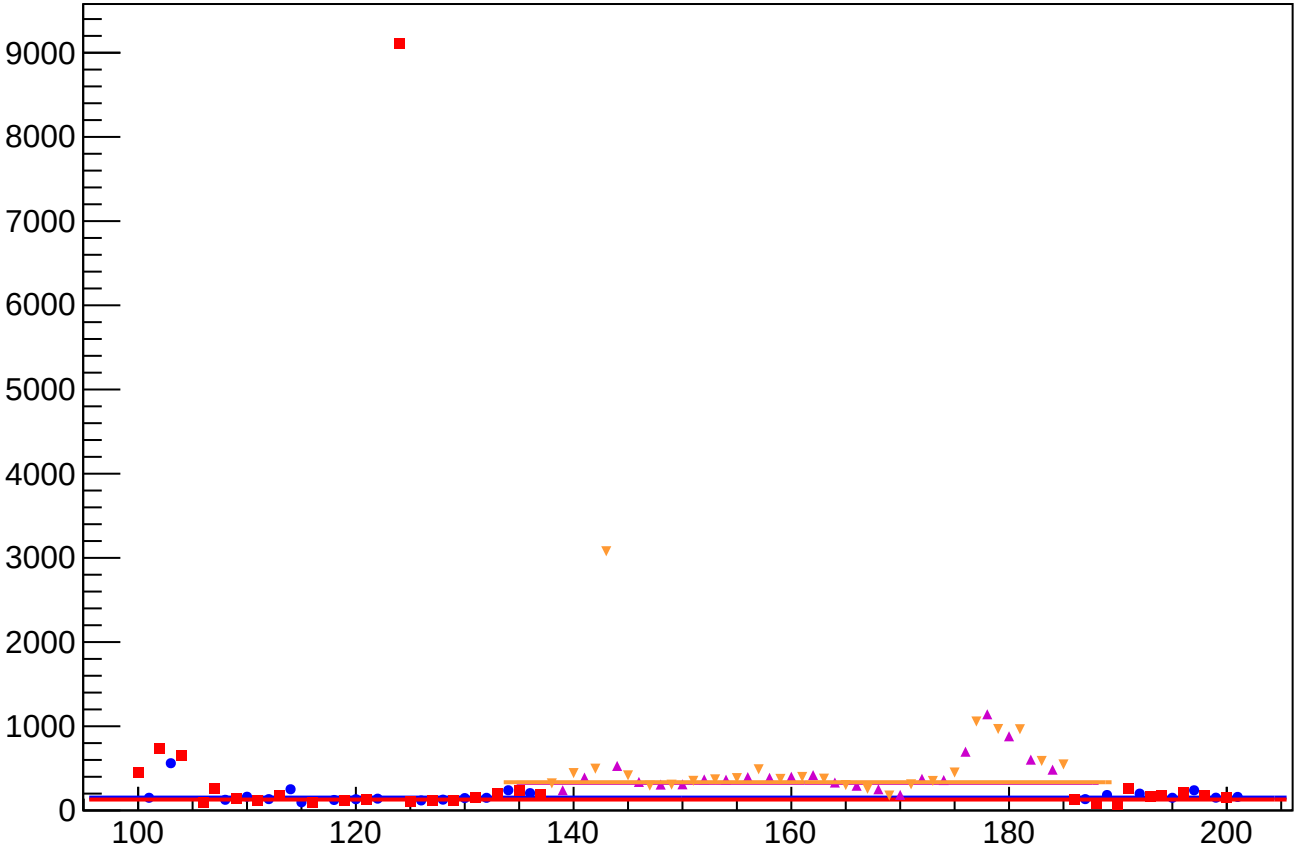
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.038+/-0.041 χ^2/NDF: 56.3/47

All: -0.008+/-0.027 χ^2/NDF: 115.1/98

- sign 0.016+/-0.036 χ^2/NDF: 57.8/50

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

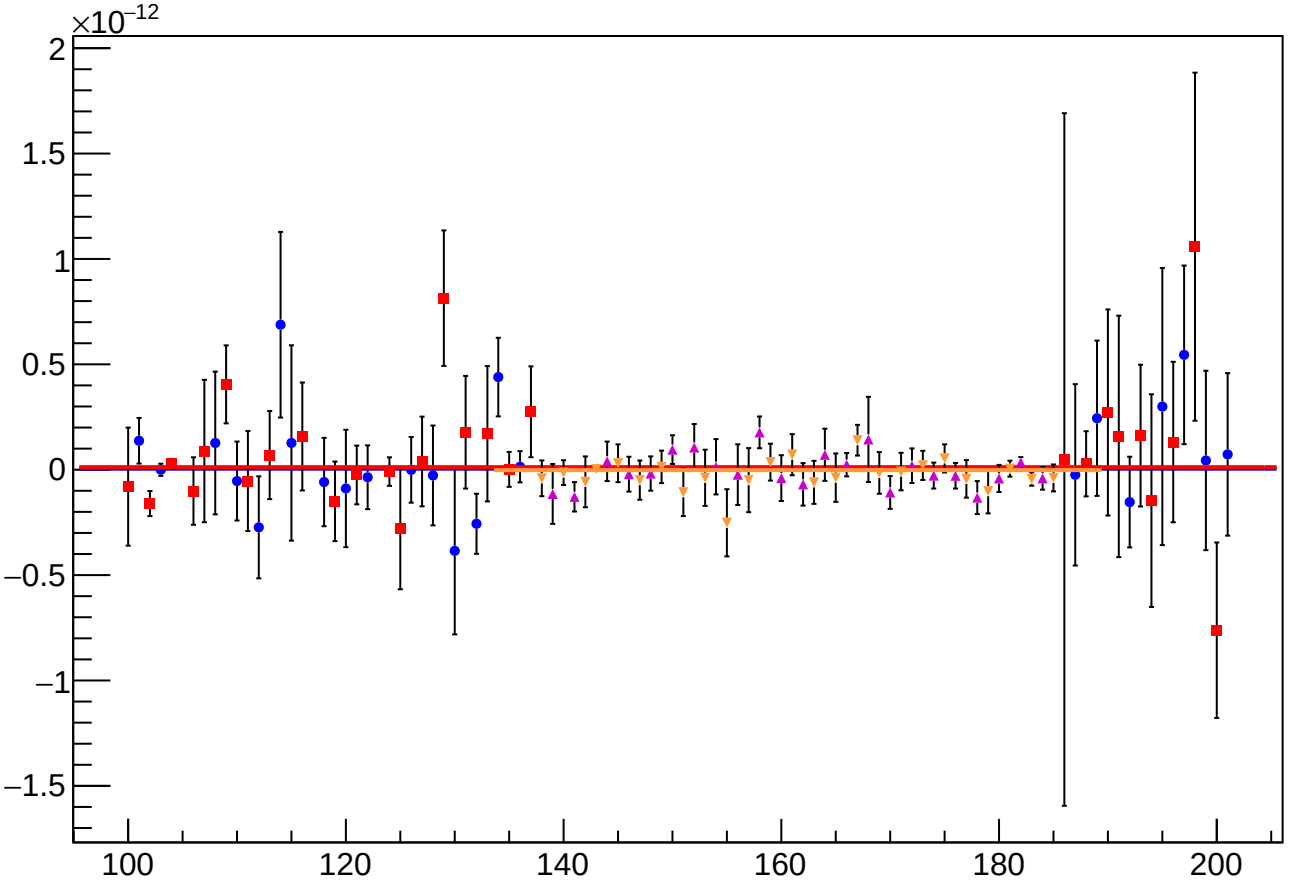
Right Out: 129.686+/-0.028 χ^2/NDF: 3674370.1/27

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 195.282+/-0.029 χ^2/NDF: 14477283.7/47

All: 179.551+/-0.019 χ^2/NDF: 32098749.7/98

- sign 167.291+/-0.026 χ^2/NDF: 17093895.8/50



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: 30.9/27

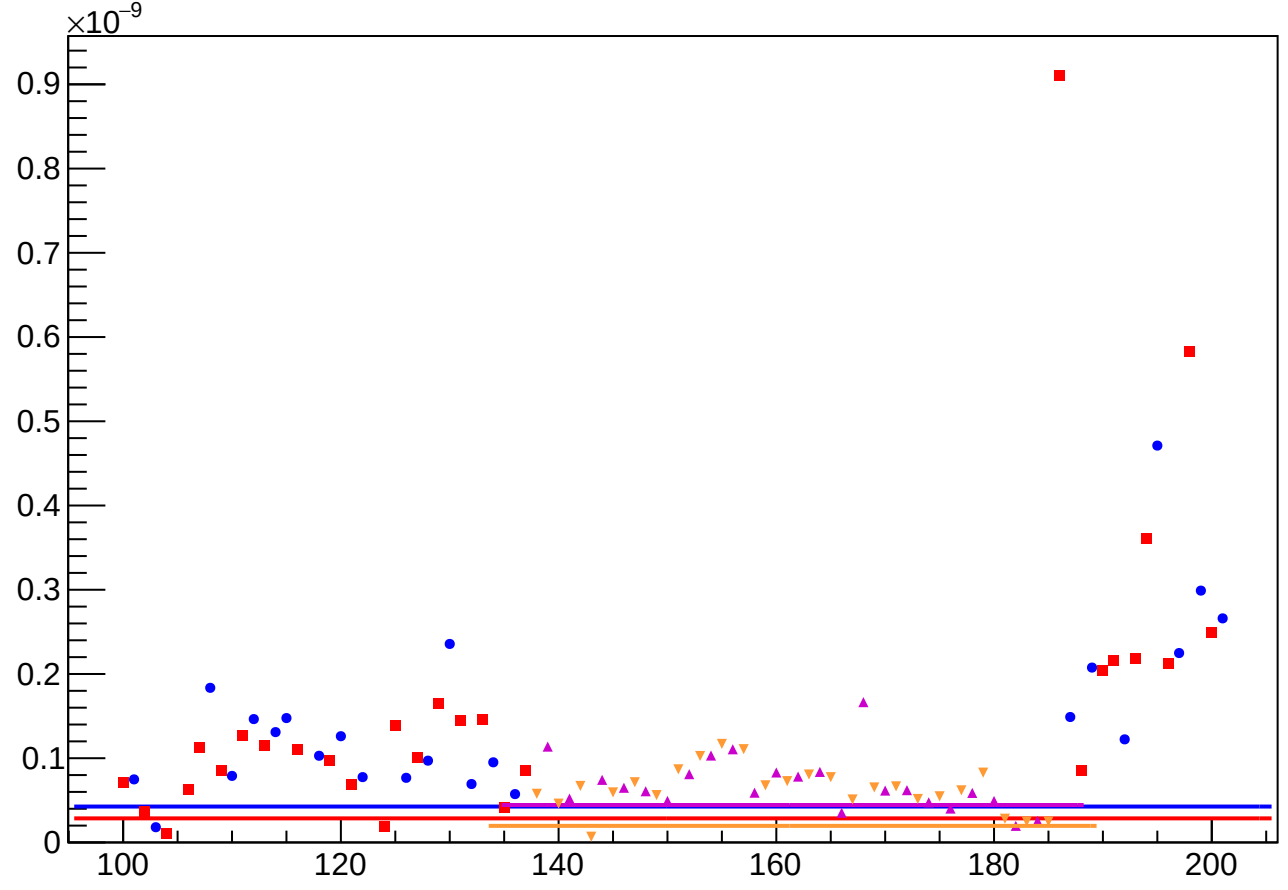
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.2/47

All: 0.000+/-0.000 χ^2/NDF: 86.0/98

- sign 0.000+/-0.000 χ^2/NDF: 53.6/50

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: 9523412.1/27

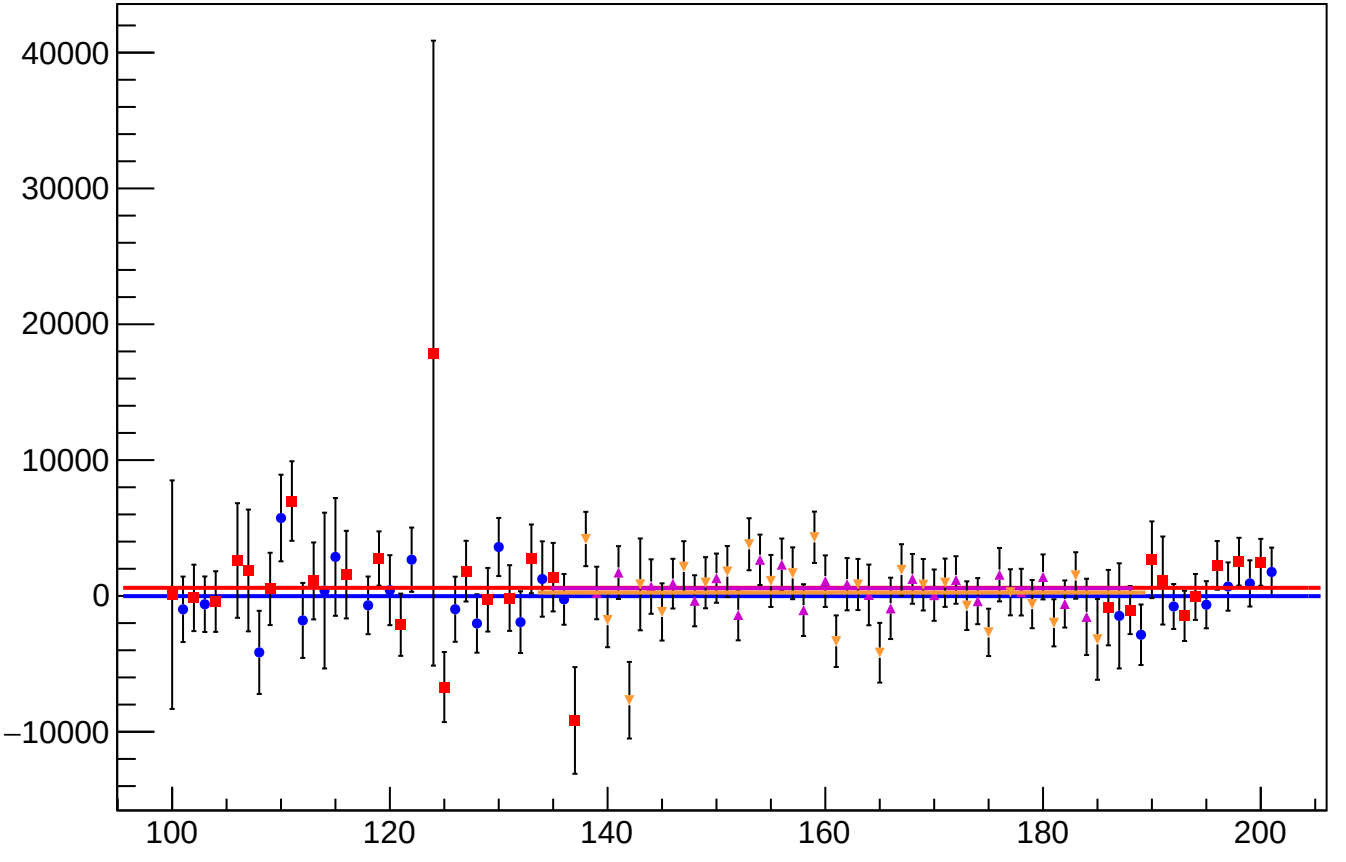
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 24013411.9/47

All: 0.000+/-0.000 χ^2/NDF: 43237156.8/98

- sign 0.000+/-0.000 χ^2/NDF: 16384510.0/50

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: 597.383+/-457.724 χ^2/NDF: 30.5/27

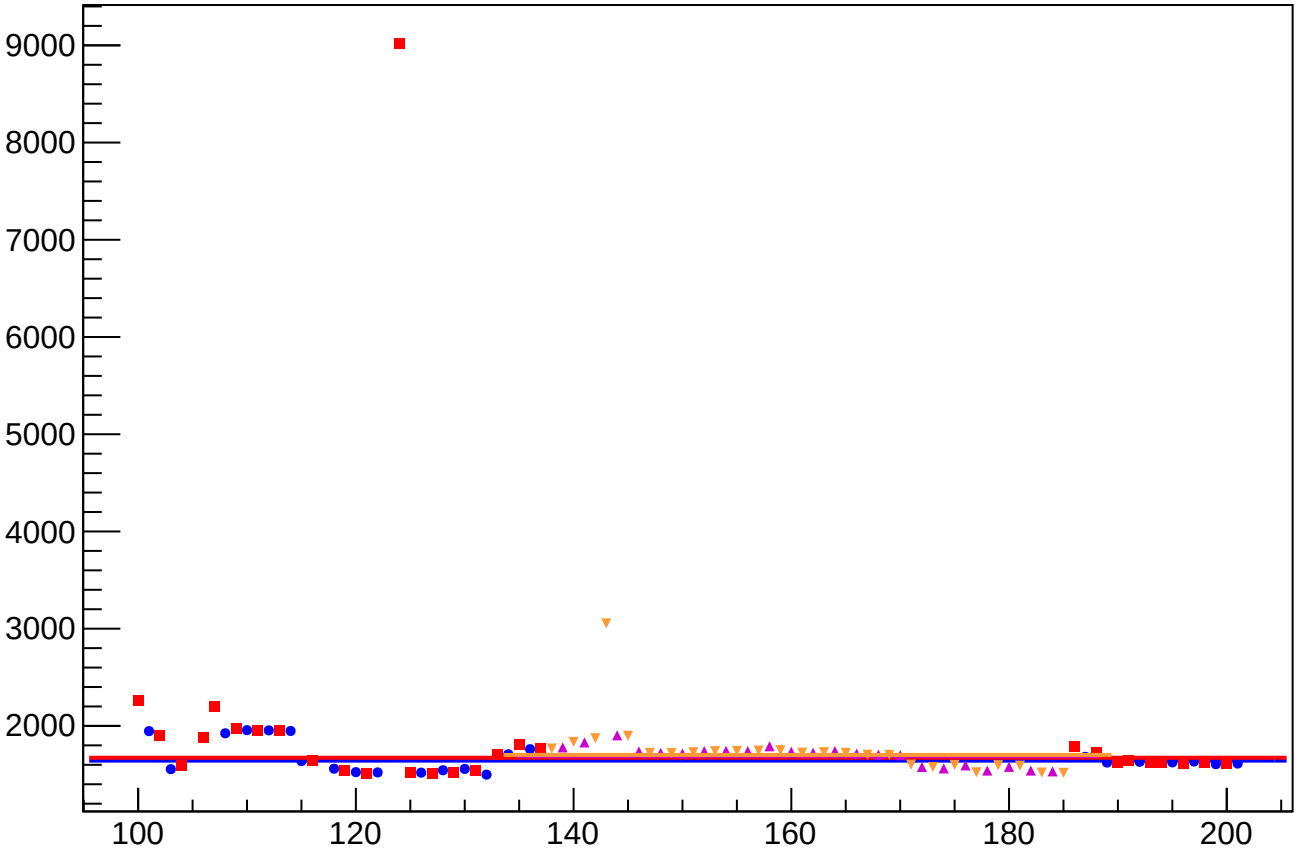
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 140.271+/-299.411 χ^2/NDF: 55.8/47

All: 358.346+/-211.603 χ^2/NDF: 94.9/98

- sign 575.959+/-299.093 χ^2/NDF: 38.0/50

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: 1672.621+/-0.323 χ^2/NDF: 403759.2/27

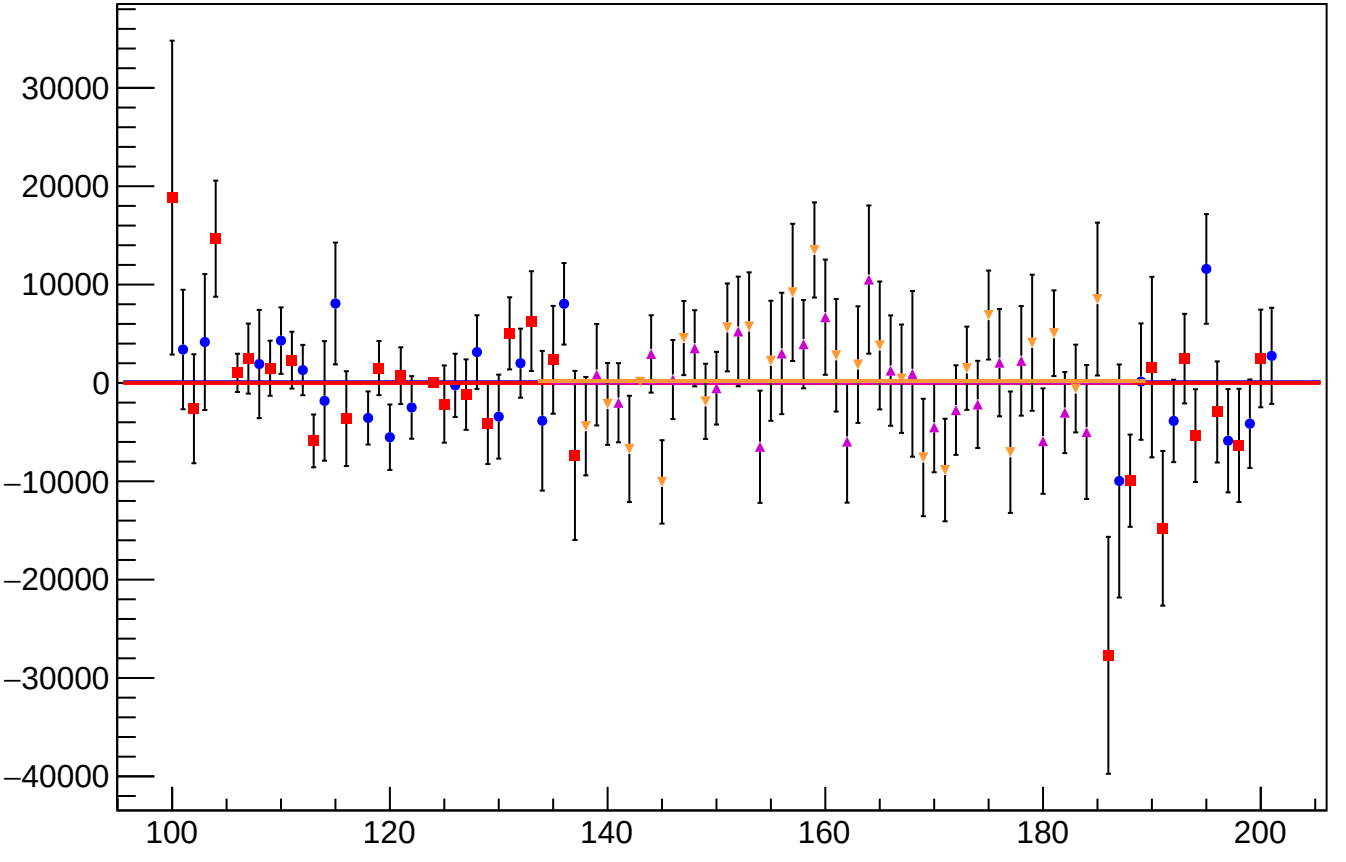
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1677.741+/-0.212 χ^2/NDF: 618089.1/47

All: 1679.943+/-0.150 χ^2/NDF: 1145900.5/98

- sign 1682.135+/-0.211 χ^2/NDF: 527595.6/50

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: 1.192+/-319.034 χ^2/NDF: 37.7/27

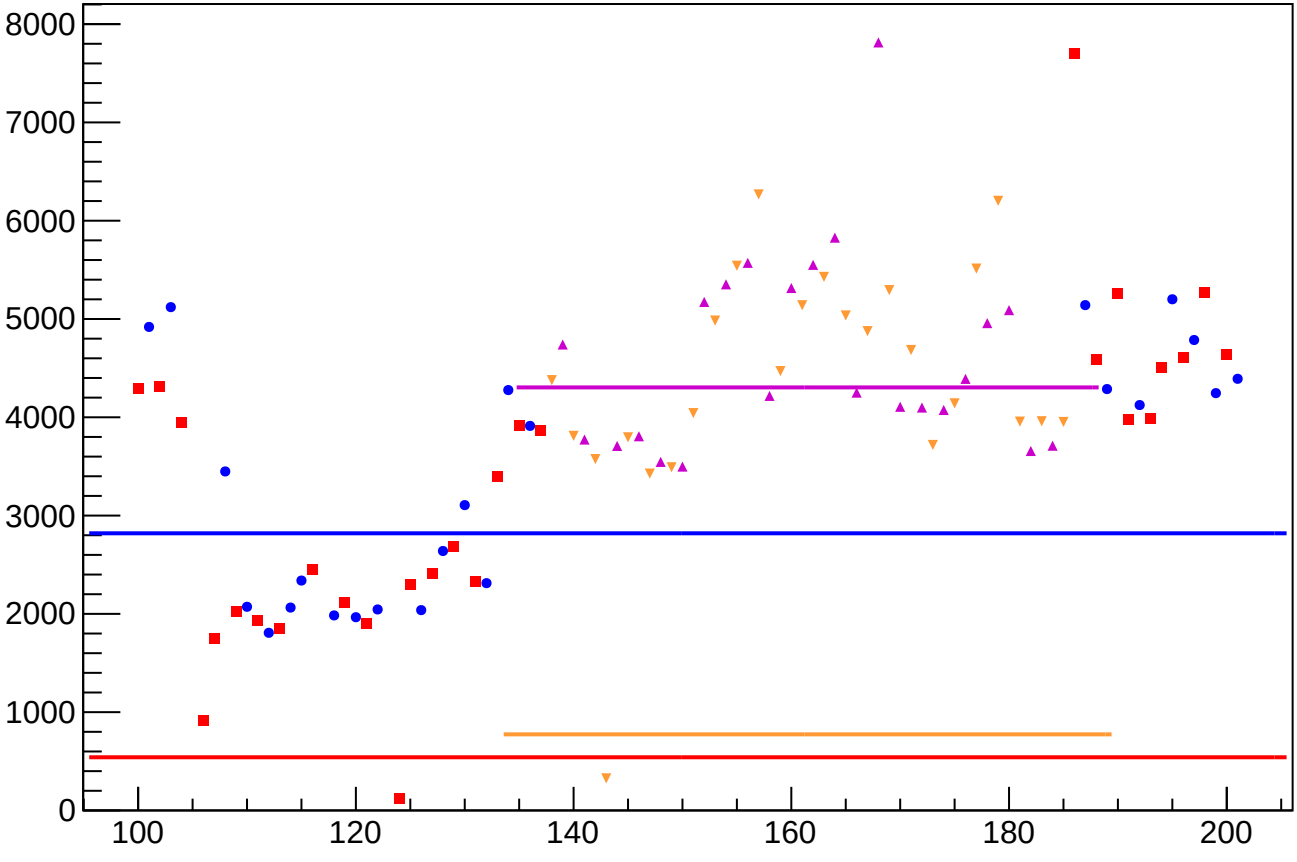
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 176.957+/-318.977 χ^2/NDF: 57.5/47

All: 86.305+/-220.304 χ^2/NDF: 108.7/98

- sign 3.622+/-304.632 χ^2/NDF: 51.0/50

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: 541.027+/-0.226 χ^2/NDF: 20973027.4/27

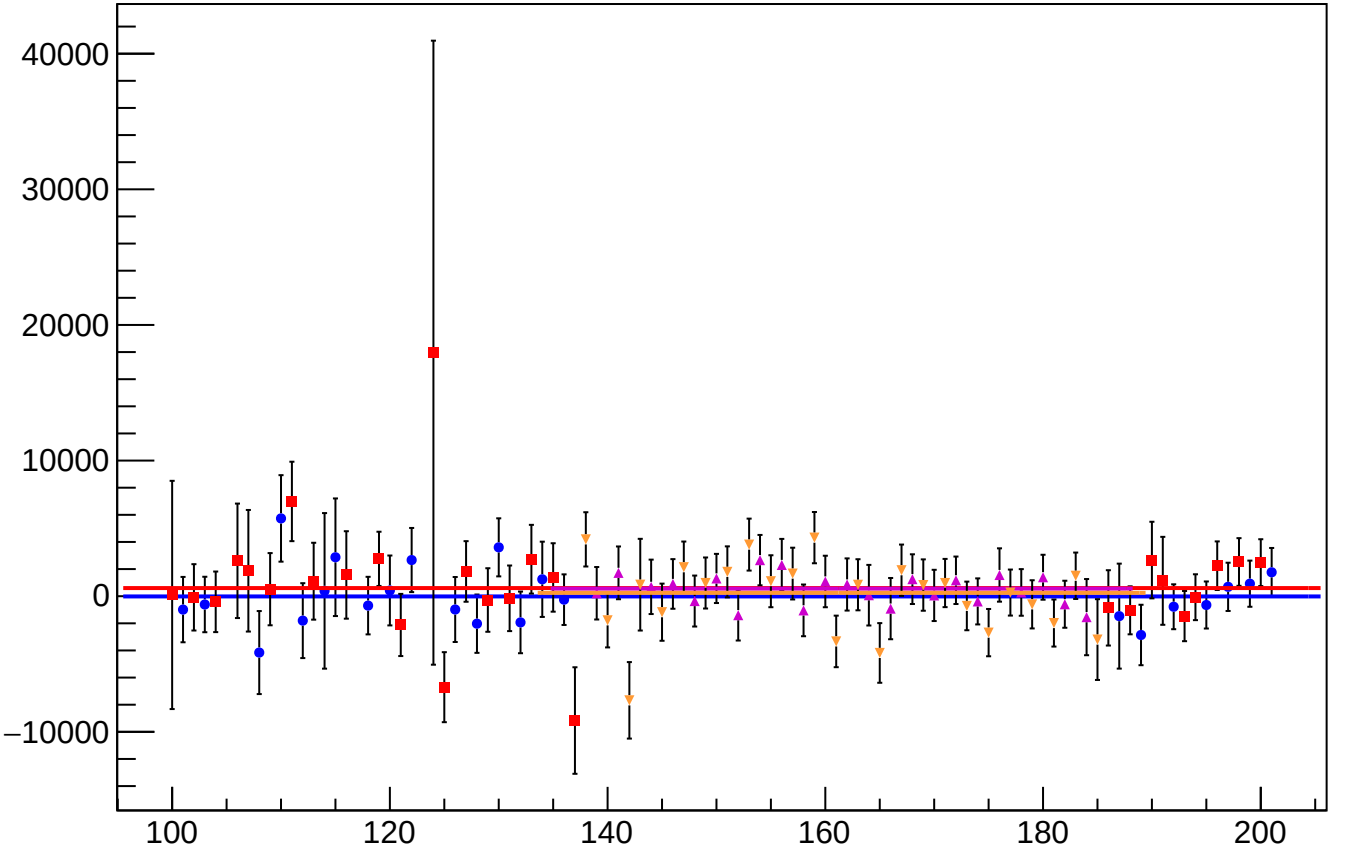
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1052.081+/-0.226 χ^2/NDF: 40965591.9/47

All: 958.473+/-0.156 χ^2/NDF: 88038189.4/98

- sign 873.095+/-0.215 χ^2/NDF: 46743257.6/50

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: 599.619+/-457.727 χ^2/NDF: 30.5/27

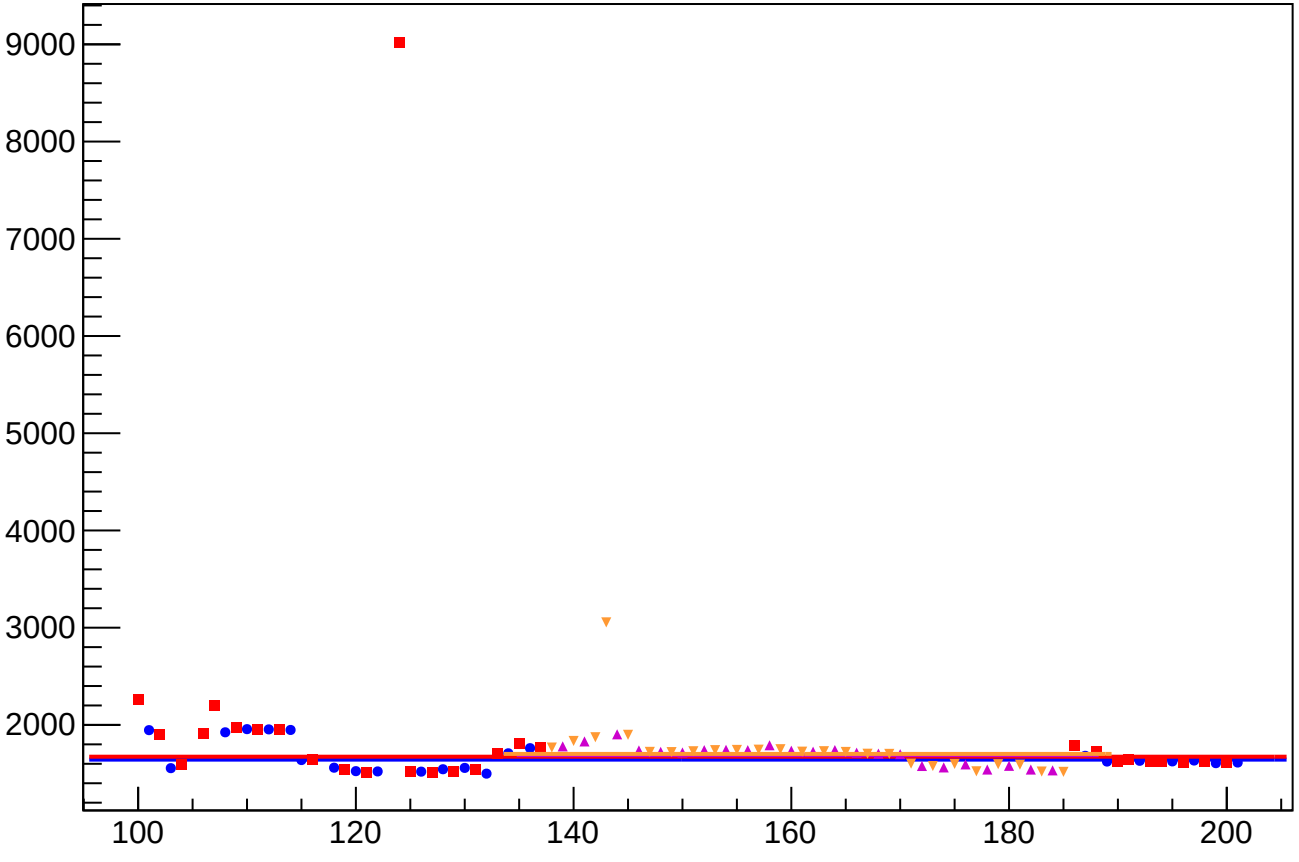
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

\+ sign 140.280+/-299.411 χ^2/NDF: 55.8/47

All: 358.818+/-211.603 χ^2/NDF: 94.9/98

\- sign 576.893+/-299.094 χ^2/NDF: 38.0/50

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

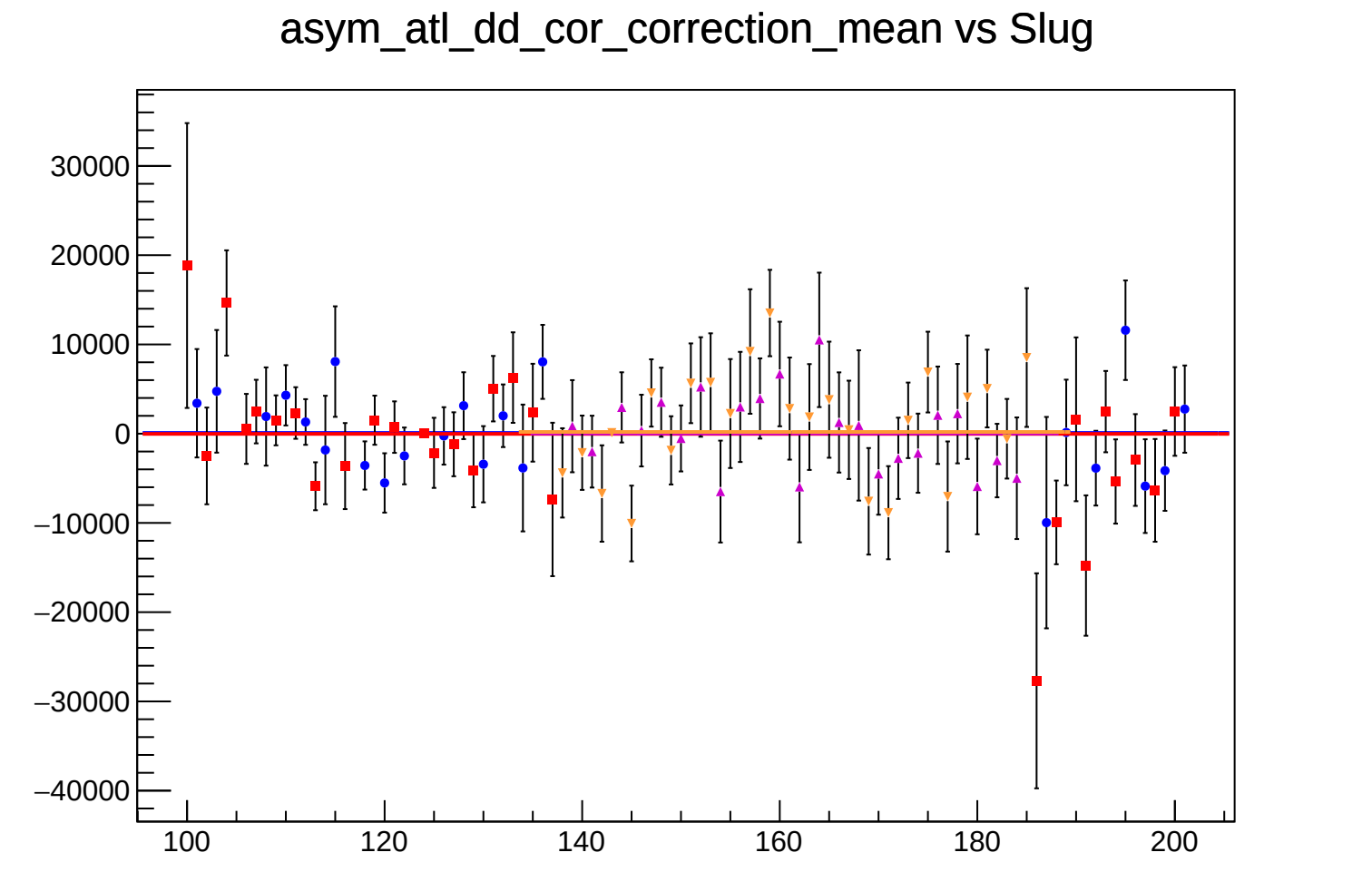
Right Out: 1673.025+/-0.323 χ^2/NDF: 405700.0/27

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1677.741+/-0.212 χ^2/NDF: 618089.2/47

All: 1680.030+/-0.150 χ^2/NDF: 1147785.6/98

- sign 1682.310+/-0.211 χ^2/NDF: 529463.1/50



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: -25.364+/-311.408 χ^2/NDF: 37.4/27

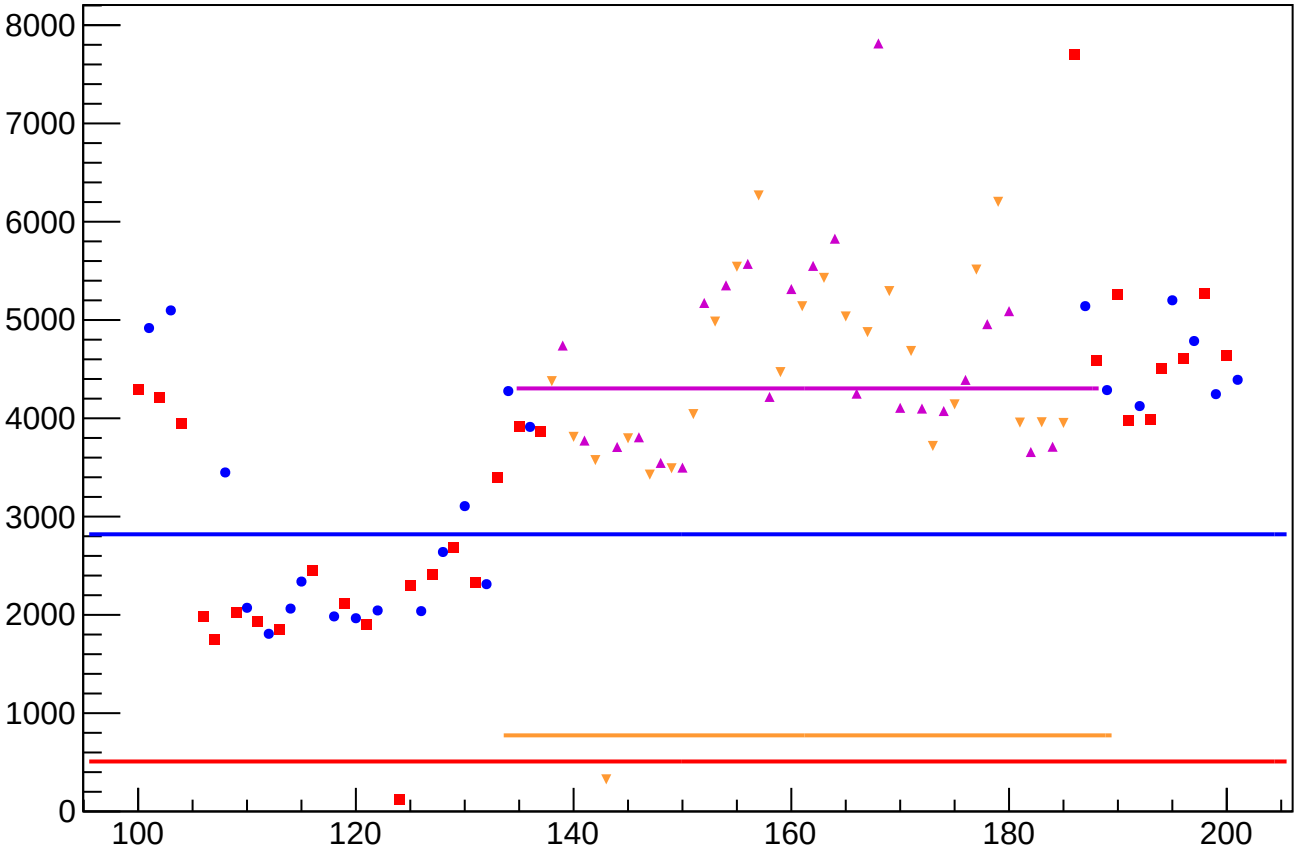
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 178.712+/-318.953 χ^2/NDF: 57.6/47

All: 72.182+/-217.738 χ^2/NDF: 108.6/98

- sign -20.794+/-297.972 χ^2/NDF: 50.7/50

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: 508.454+/-0.220 χ^2/NDF: 21458503.5/27

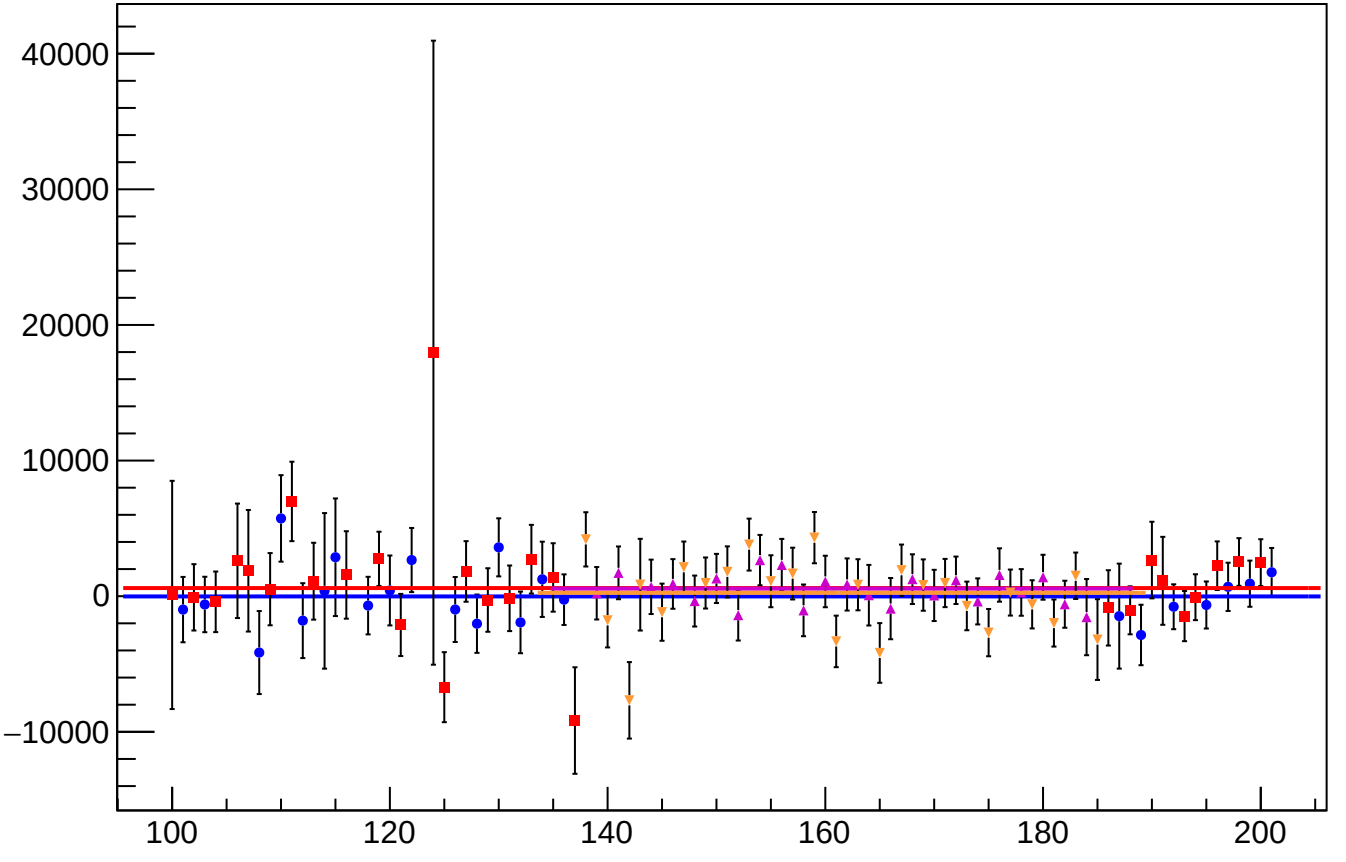
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1052.026+/-0.226 χ^2/NDF: 40967798.5/47

All: 932.891+/-0.154 χ^2/NDF: 89250558.7/98

- sign 828.913+/-0.211 χ^2/NDF: 47760190.8/50

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: 599.619+/-457.727 χ^2/NDF: 30.5/27

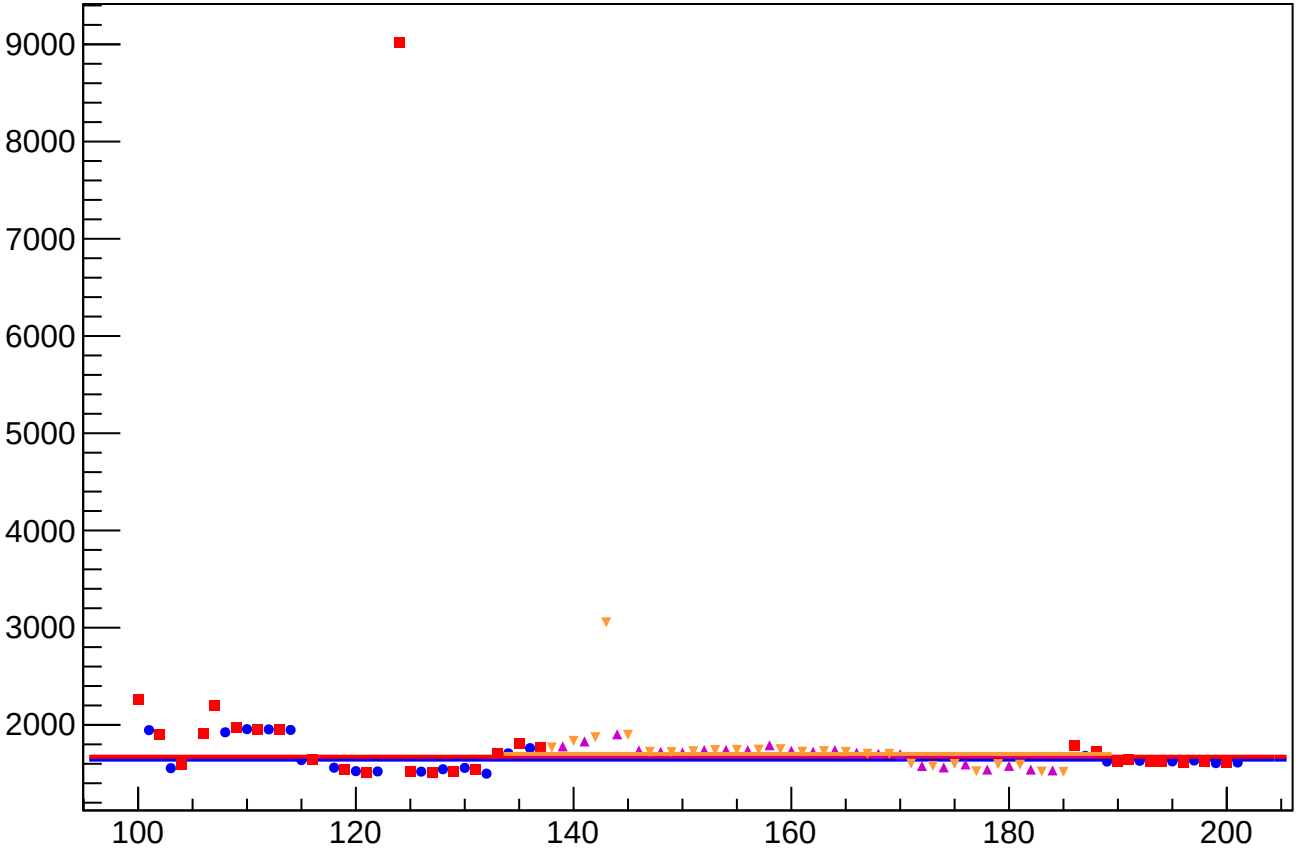
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 140.280+/-299.411 χ^2/NDF: 55.8/47

All: 358.818+/-211.603 χ^2/NDF: 94.9/98

- sign 576.893+/-299.094 χ^2/NDF: 38.0/50

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

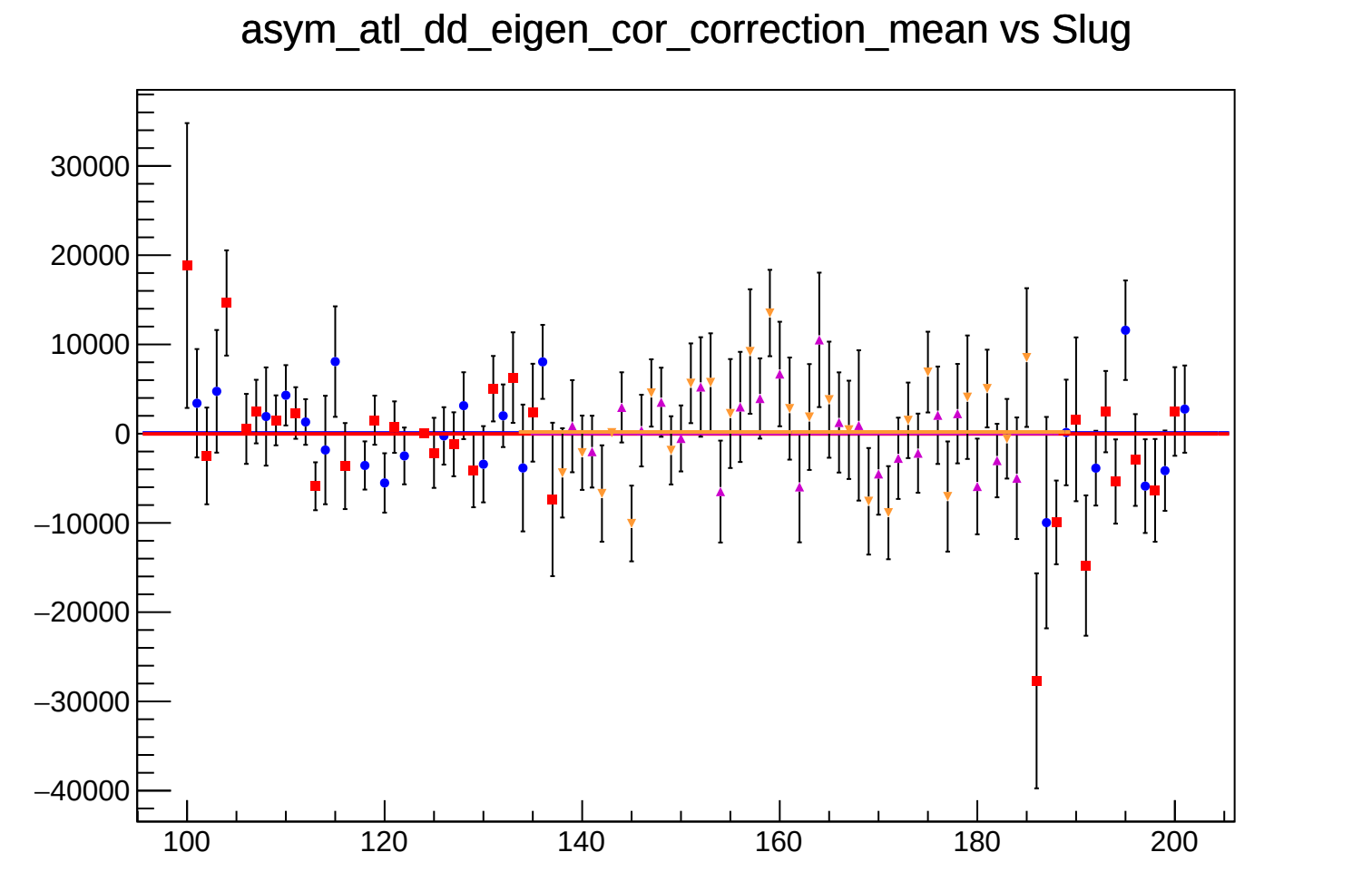
Right Out: 1673.025+/-0.323 χ^2/NDF: 405700.0/27

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1677.741+/-0.212 χ^2/NDF: 618089.2/47

All: 1680.030+/-0.150 χ^2/NDF: 1147785.6/98

- sign 1682.310+/-0.211 χ^2/NDF: 529463.1/50



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: -25.364+/-311.408 χ^2/NDF: 37.4/27

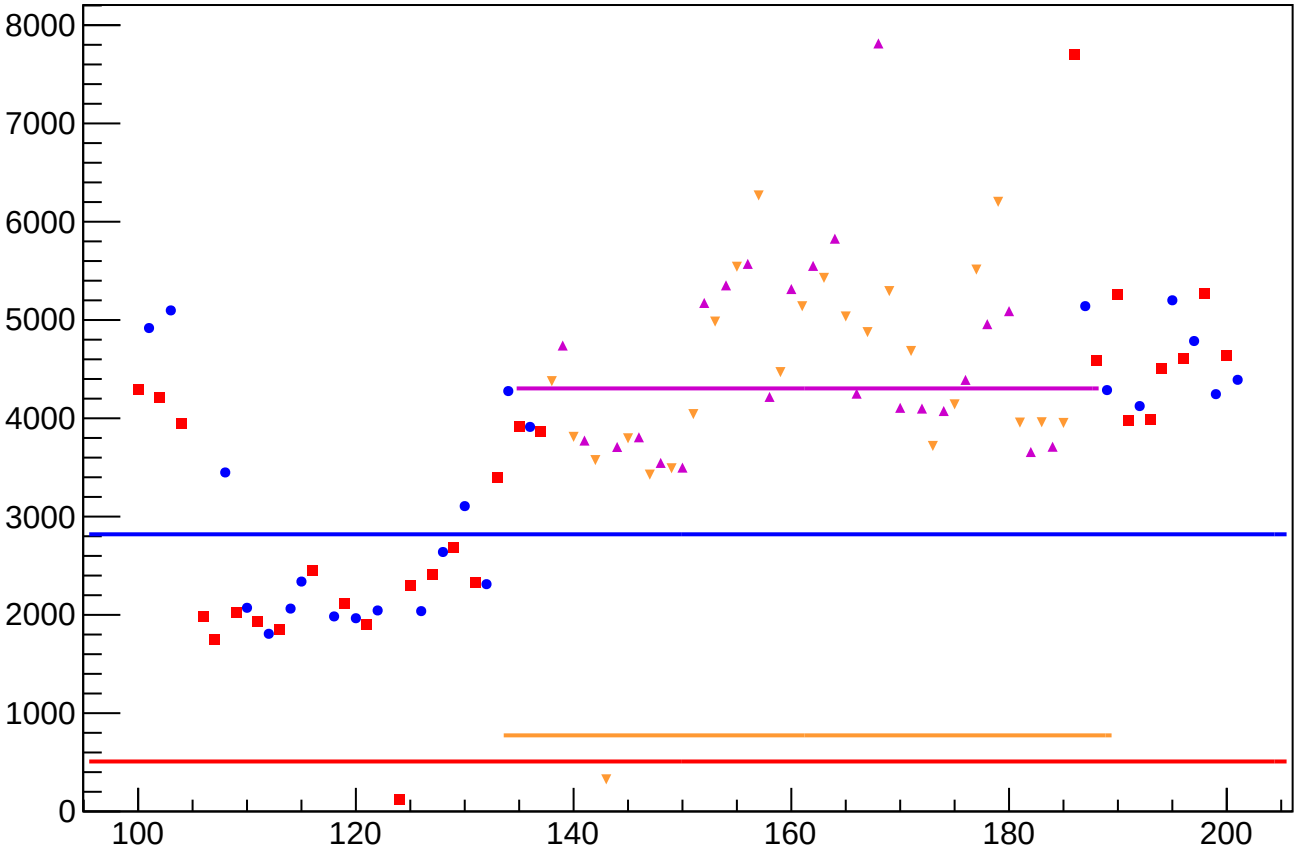
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 178.712+/-318.953 χ^2/NDF: 57.6/47

All: 72.182+/-217.738 χ^2/NDF: 108.6/98

- sign -20.794+/-297.972 χ^2/NDF: 50.7/50

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

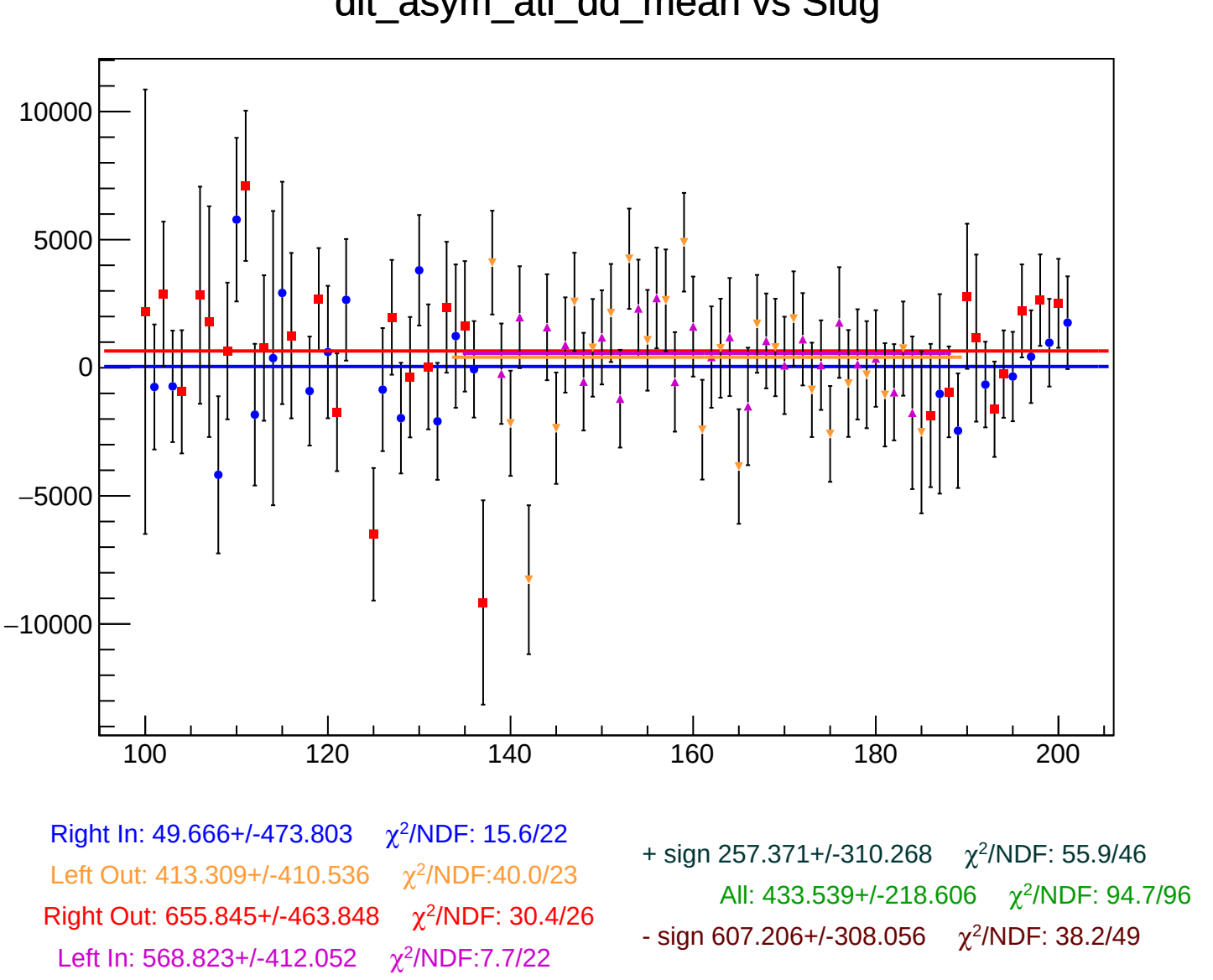
Right Out: 508.454+/-0.220 χ^2/NDF: 21458503.5/27

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

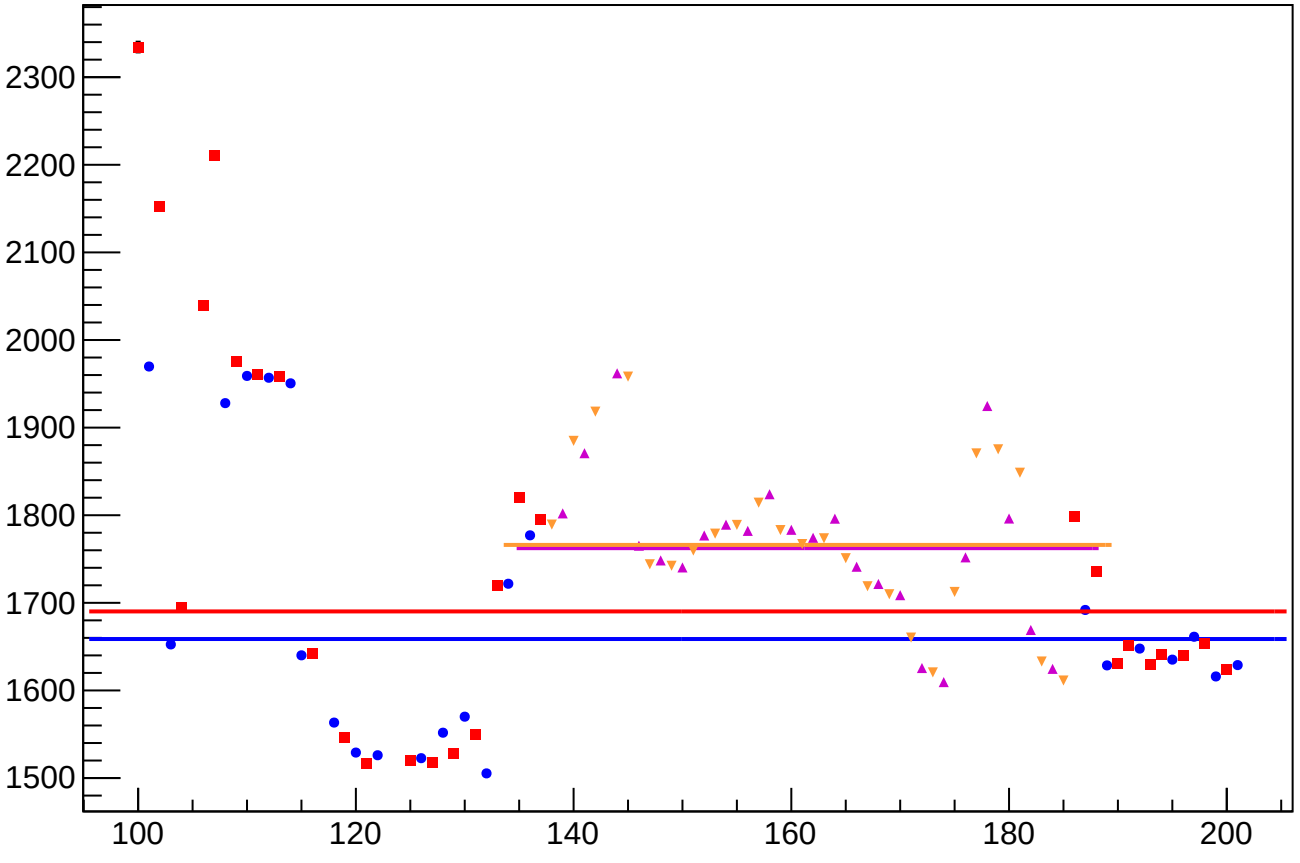
+ sign 1052.026+/-0.226 χ^2/NDF: 40967798.5/47

All: 932.891+/-0.154 χ^2/NDF: 89250558.7/98

- sign 828.913+/-0.211 χ^2/NDF: 47760190.8/50


dit_asym_atl_dd_mean vs Slug
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 49.666+/-473.803 χ²/NDF: 15.6/22
Left Out: 413.309+/-410.536 χ²/NDF:40.0/23
Right Out: 655.845+/-463.848 χ²/NDF: 30.4/26
Left In: 568.823+/-412.052 χ²/NDF:7.7/22
+ sign 257.371+/-310.268 χ²/NDF: 55.9/46
All: 433.539+/-218.606 χ²/NDF: 94.7/96
- sign 607.206+/-308.056 χ²/NDF: 38.2/49

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: 1690.197+/-0.328 χ^2/NDF: 245924.7/26

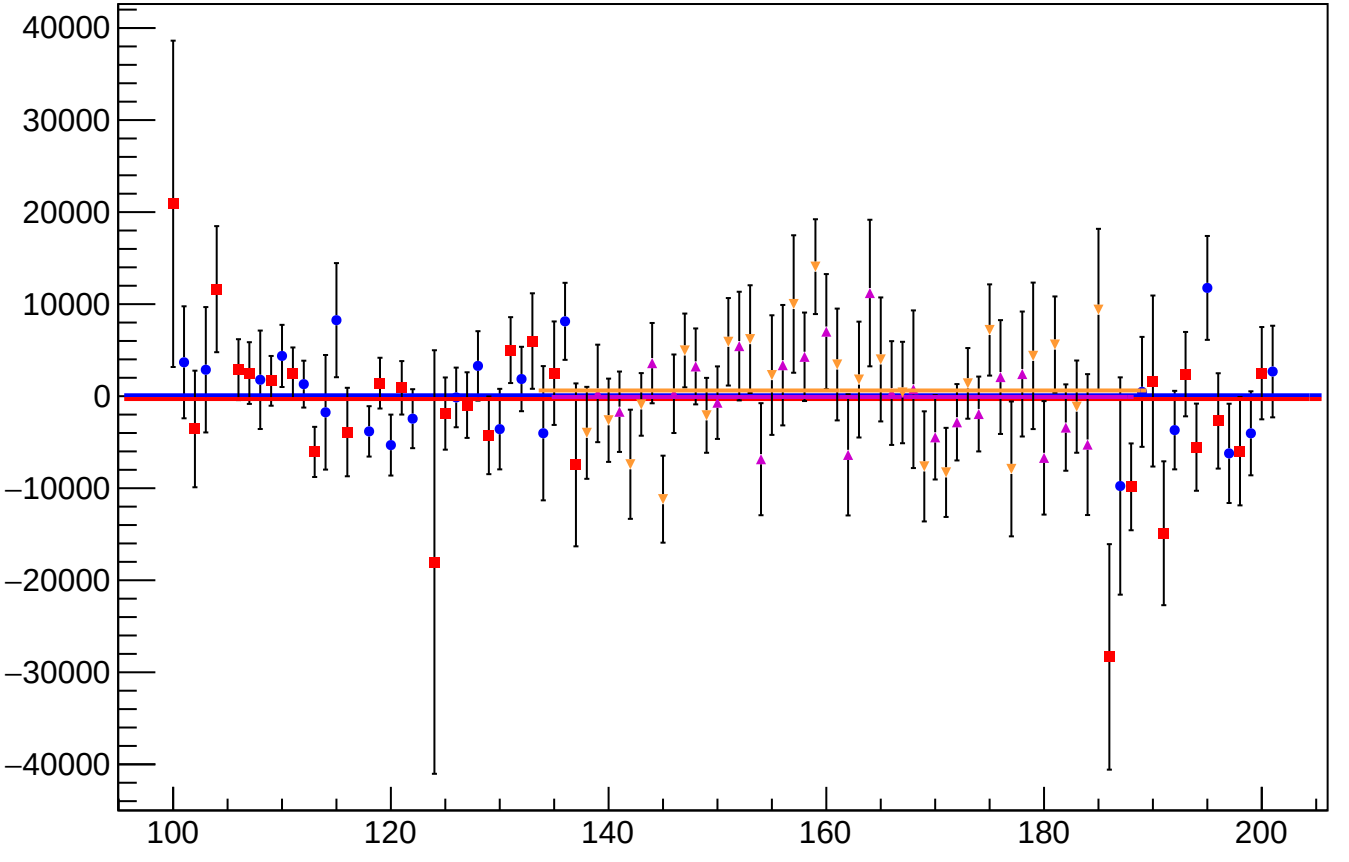
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1720.053+/-0.219 χ^2/NDF: 286737.2/46

All: 1725.324+/-0.155 χ^2/NDF: 641023.8/96

- sign 1730.514+/-0.218 χ^2/NDF: 353141.2/49

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: -310.041+/-801.309 χ^2/NDF: 35.5/27

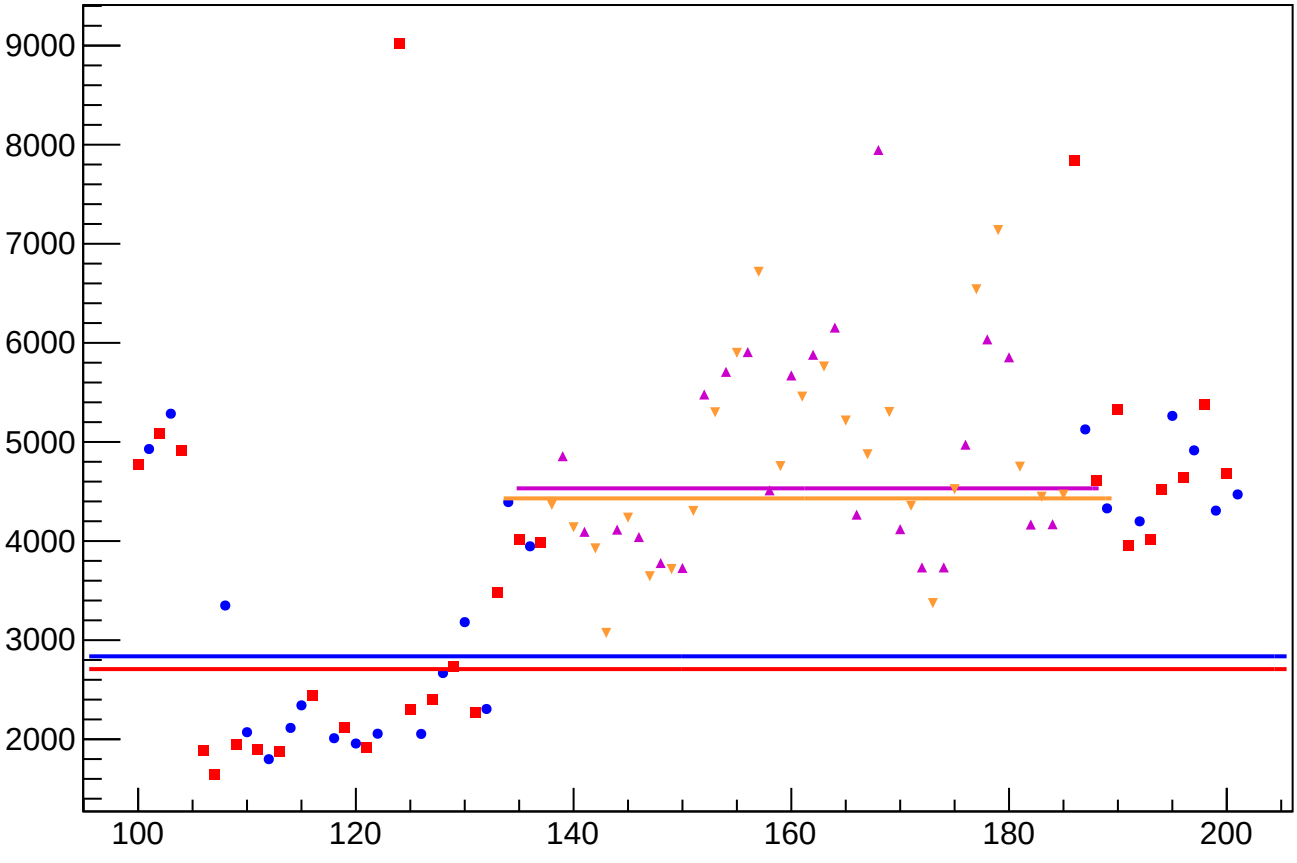
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 314.331+/-666.223 χ^2/NDF: 56.7/47

All: 32.668+/-463.054 χ^2/NDF: 105.5/98

- sign -230.561+/-644.054 χ^2/NDF: 48.5/50

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

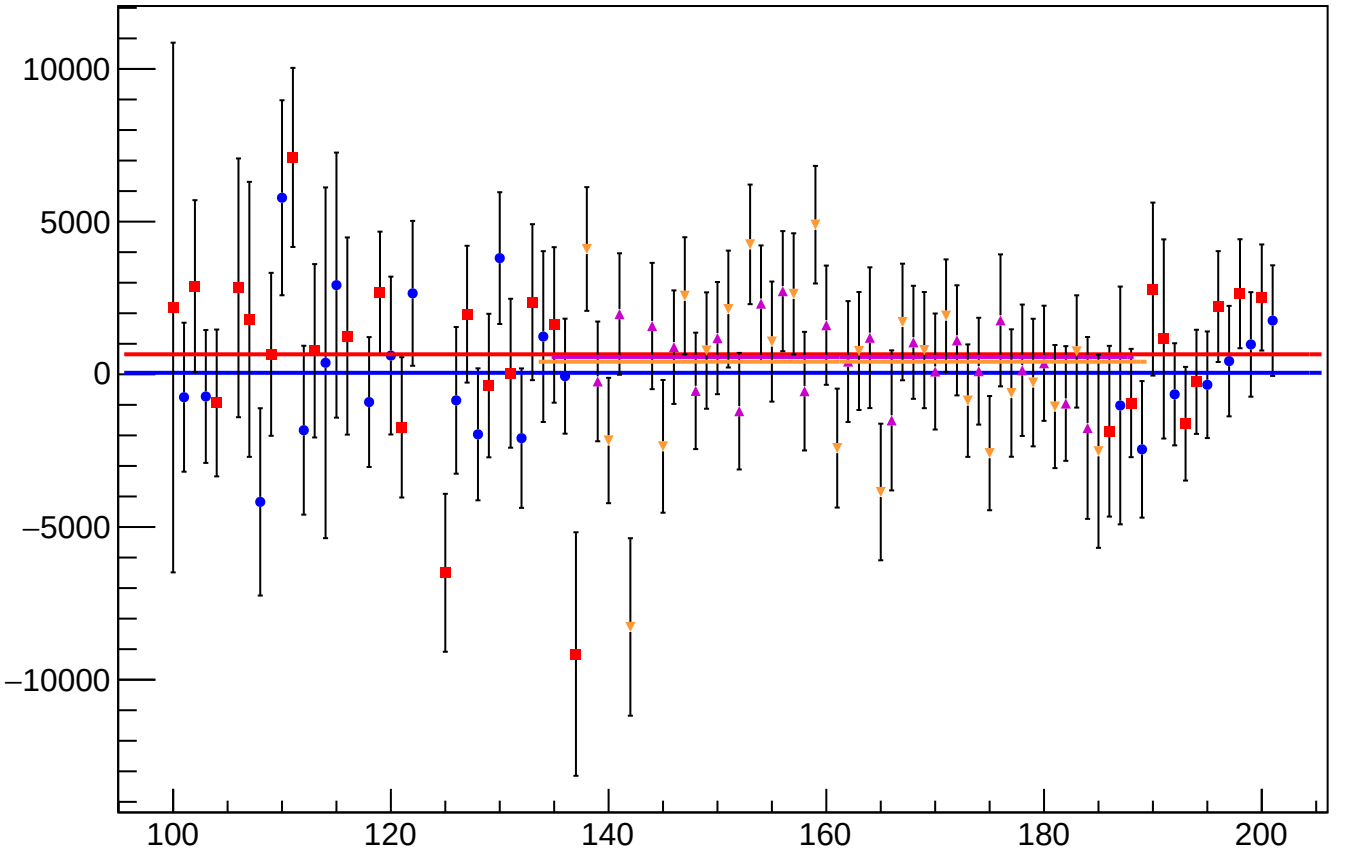
Right Out: 2707.903+/-0.567 χ^2/NDF: 4348084.3/27

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3497.765+/-0.471 χ^2/NDF: 7727069.0/47

All: 3423.235+/-0.327 χ^2/NDF: 17168485.8/9

- sign 3353.582+/-0.455 χ^2/NDF: 9392995.0/50



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: 655.845+/-463.848 χ^2/NDF: 30.4/26

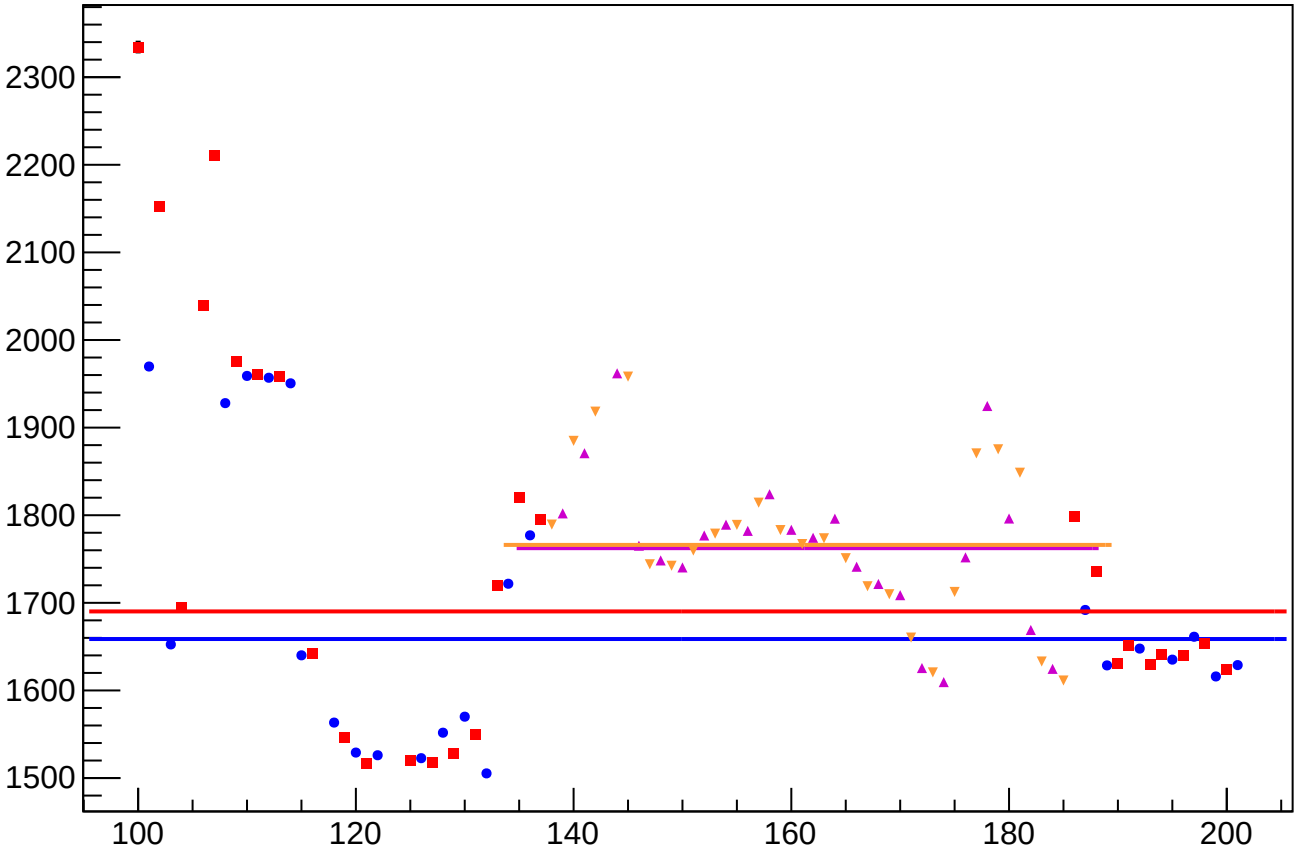
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 257.372+/-310.268 χ^2/NDF: 55.9/46

All: 433.540+/-218.606 χ^2/NDF: 94.7/96

- sign 607.205+/-308.057 χ^2/NDF: 38.2/49

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: 1690.197+/-0.328 χ^2/NDF: 245923.7/26

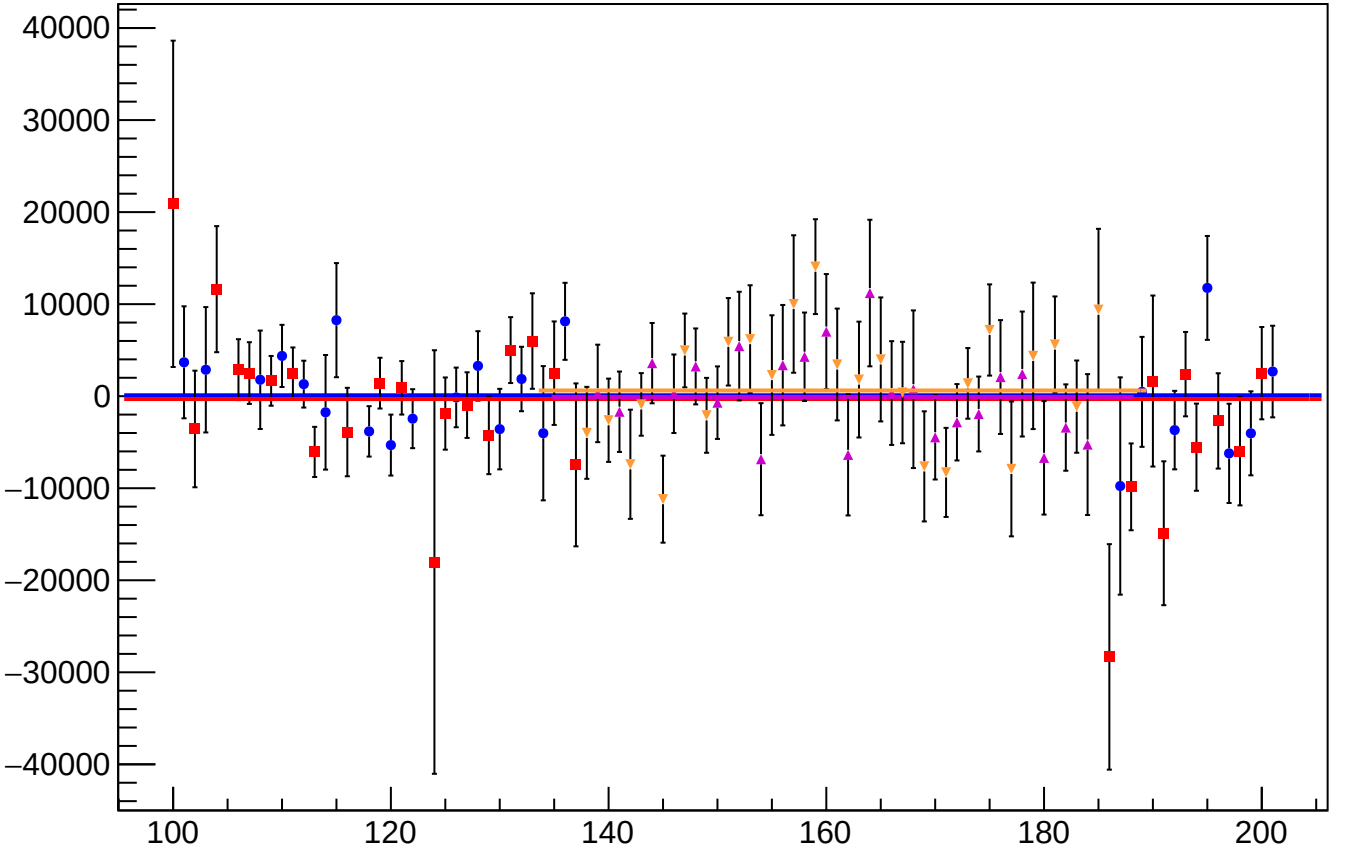
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1720.054+/-0.219 χ^2/NDF: 286741.4/46

All: 1725.324+/-0.155 χ^2/NDF: 641030.5/96

- sign 1730.514+/-0.218 χ^2/NDF: 353143.7/49

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: -310.035+/-801.307 χ^2/NDF: 35.5/27

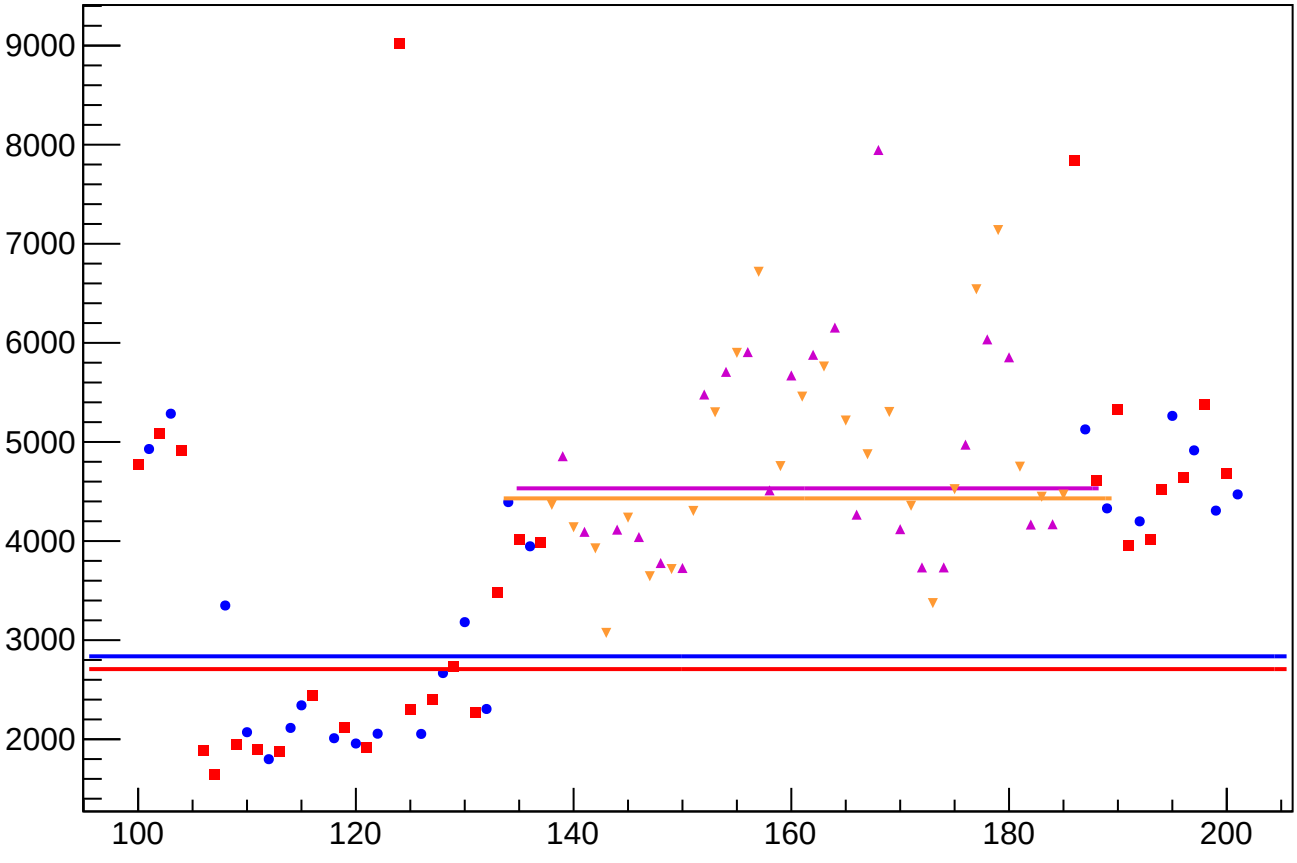
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 314.329+/-666.222 χ^2/NDF: 56.7/47

All: 32.669+/-463.053 χ^2/NDF: 105.5/98

- sign -230.558+/-644.053 χ^2/NDF: 48.5/50

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: 2707.893+/-0.567 χ^2/NDF: 4348120.1/27

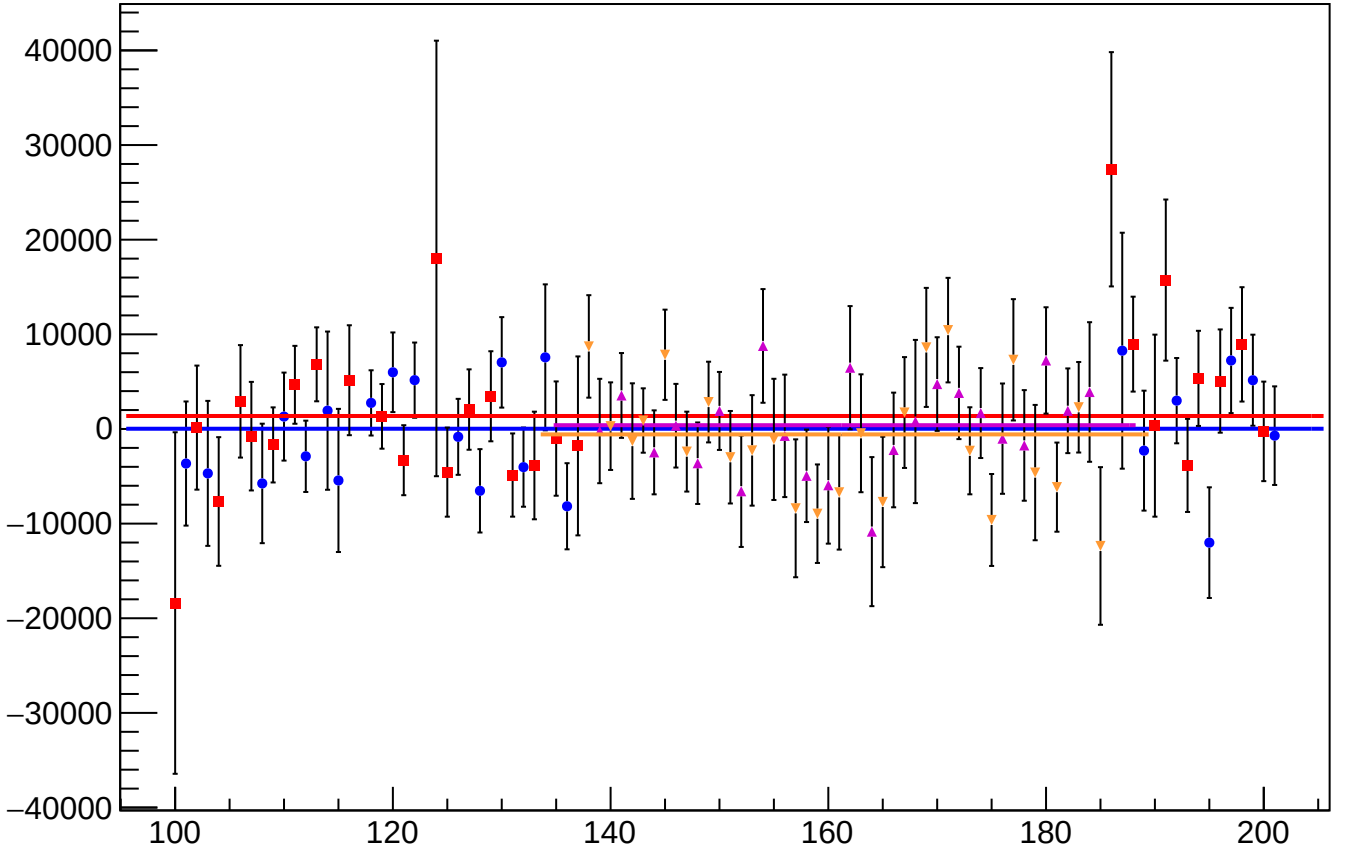
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3497.758+/-0.471 χ^2/NDF: 7727175.3/47

All: 3423.228+/-0.327 χ^2/NDF: 17168694.2/9

- sign 3353.575+/-0.455 χ^2/NDF: 9393097.1/50

asym_atl_dd_mean vs Slug



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: 1371.748+/-999.870 χ^2/NDF: 27.3/27

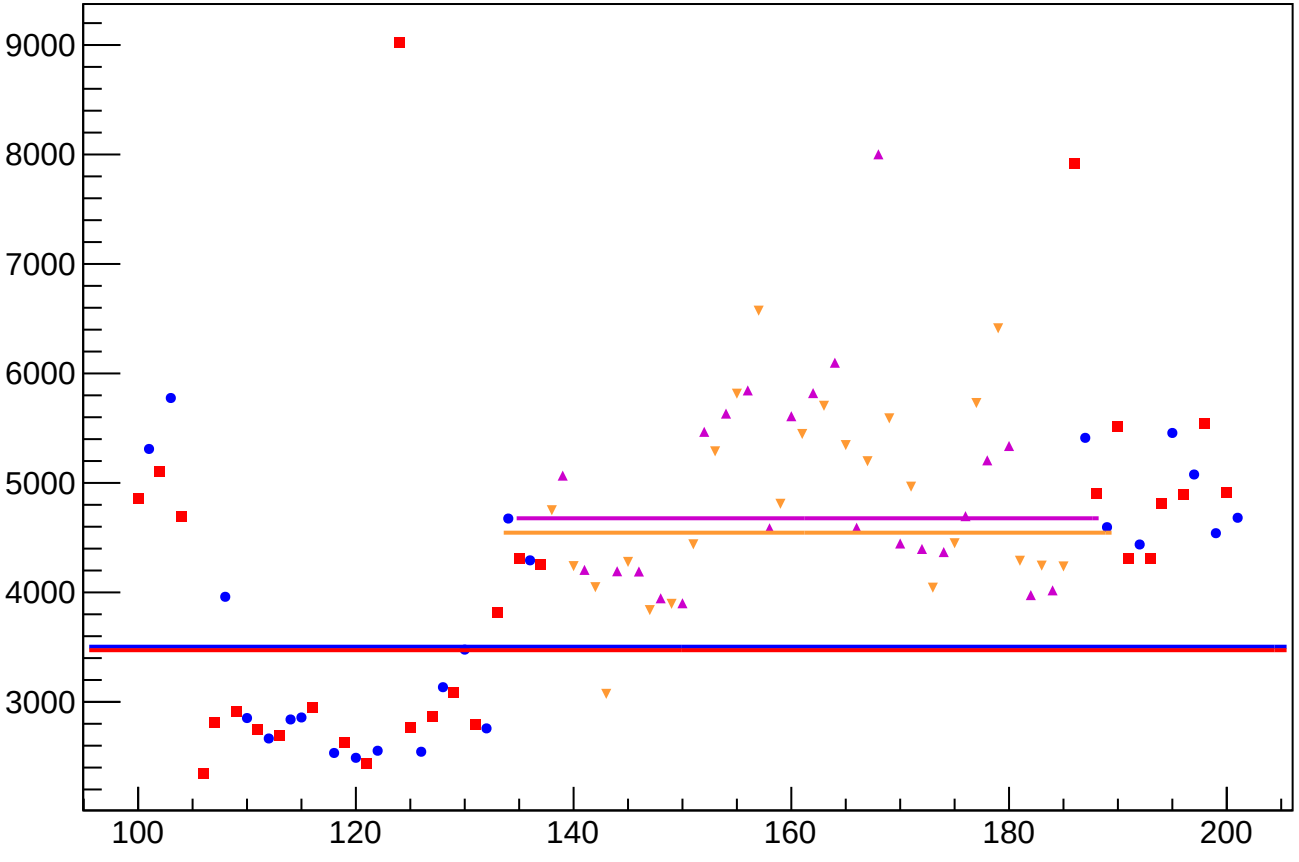
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -270.952+/-741.554 χ^2/NDF: 53.7/47

All: 331.309+/-524.782 χ^2/NDF: 96.7/98

- sign 935.523+/-742.755 χ^2/NDF: 41.8/50

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

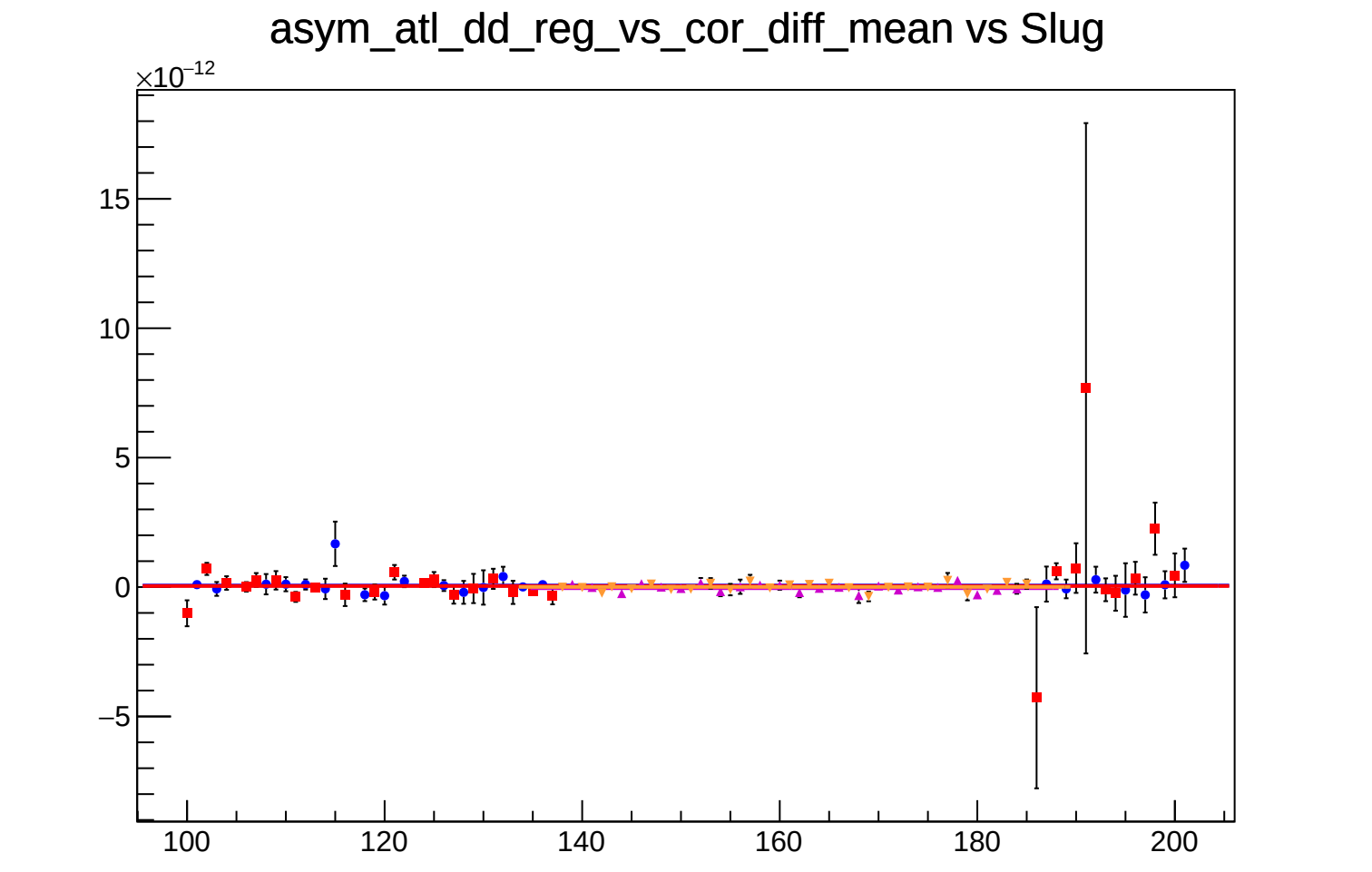
Right Out: 3472.050+/-0.700 χ^2/NDF: 2401659.4/27

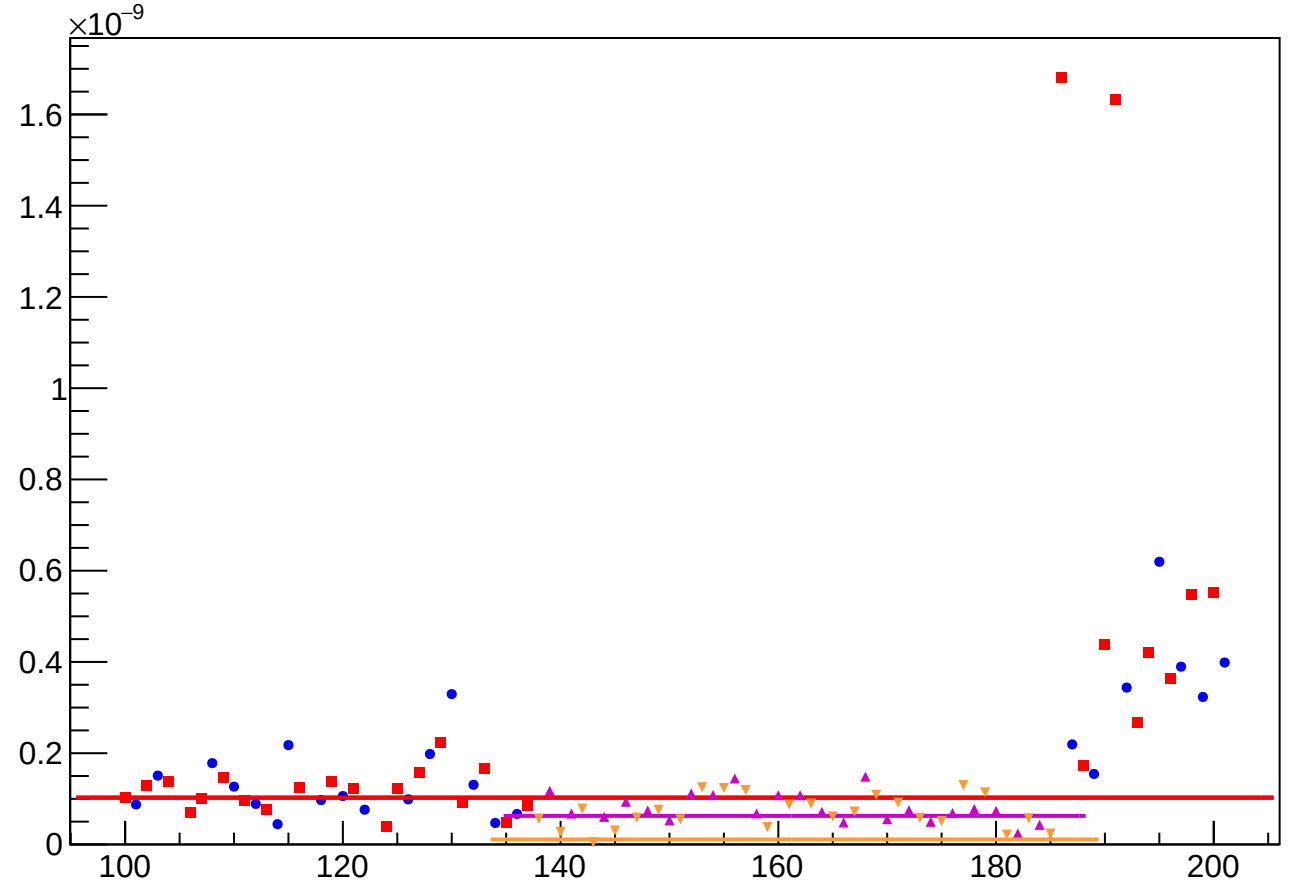
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 4018.680+/-0.524 χ^2/NDF: 4206323.3/47

All: 4012.314+/-0.370 χ^2/NDF: 8881950.4/98

- sign 4005.999+/-0.522 χ^2/NDF: 4675333.4/50


asym_atl_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
15
10
5
0
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 11.5/22
Left Out: 0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.8/27
Left In: -0.000+/-0.000 χ²/NDF:20.6/22
+ sign 0.000+/-0.000 χ²/NDF: 30.6/47
All: 0.000+/-0.000 χ²/NDF: 96.8/98
- sign -0.000+/-0.000 χ²/NDF: 64.4/50



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: 3957635.9/27

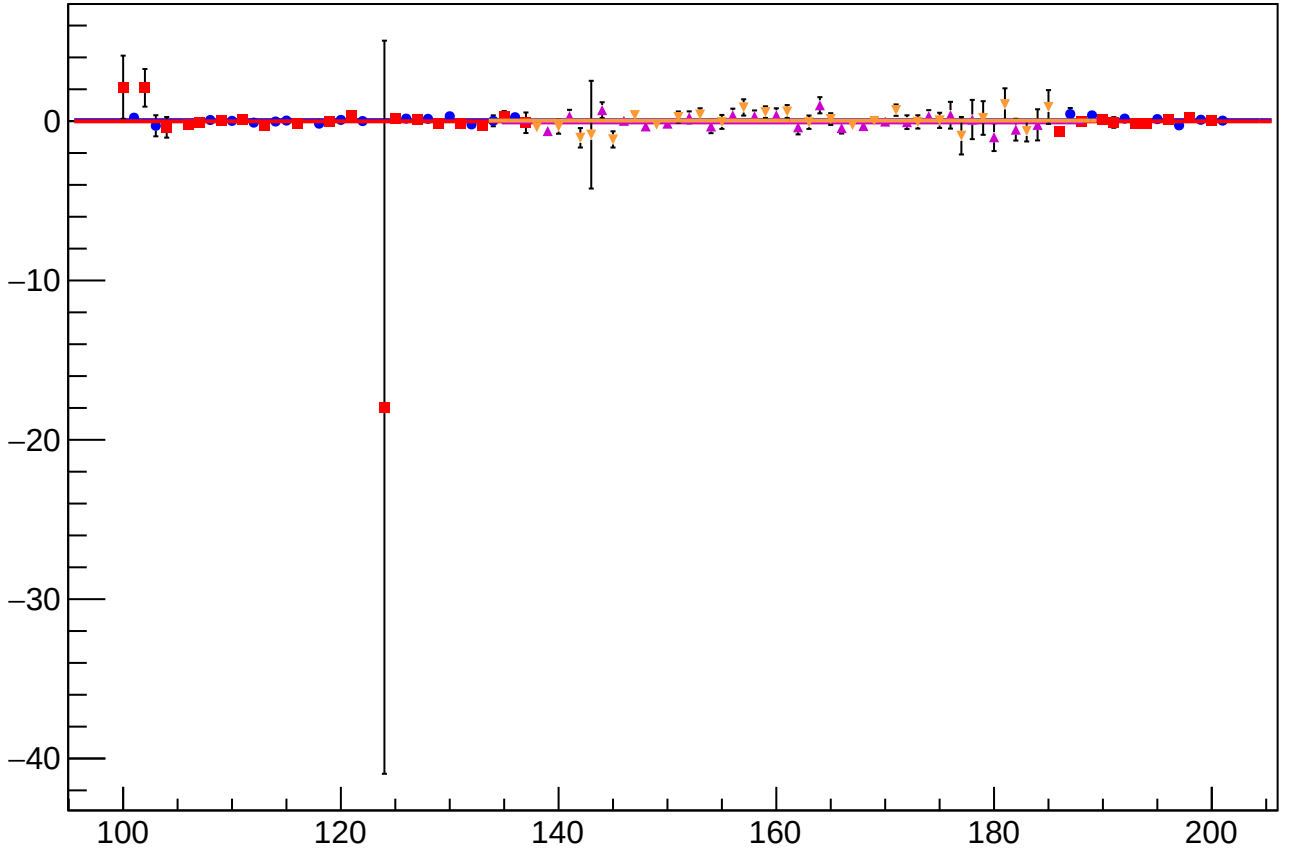
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18514525.4/47

All: 0.000+/-0.000 χ^2/NDF: 36043858.7/98

- sign 0.000+/-0.000 χ^2/NDF: 6931244.6/50

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: -0.012+/-0.035 χ^2/NDF: 30.6/27

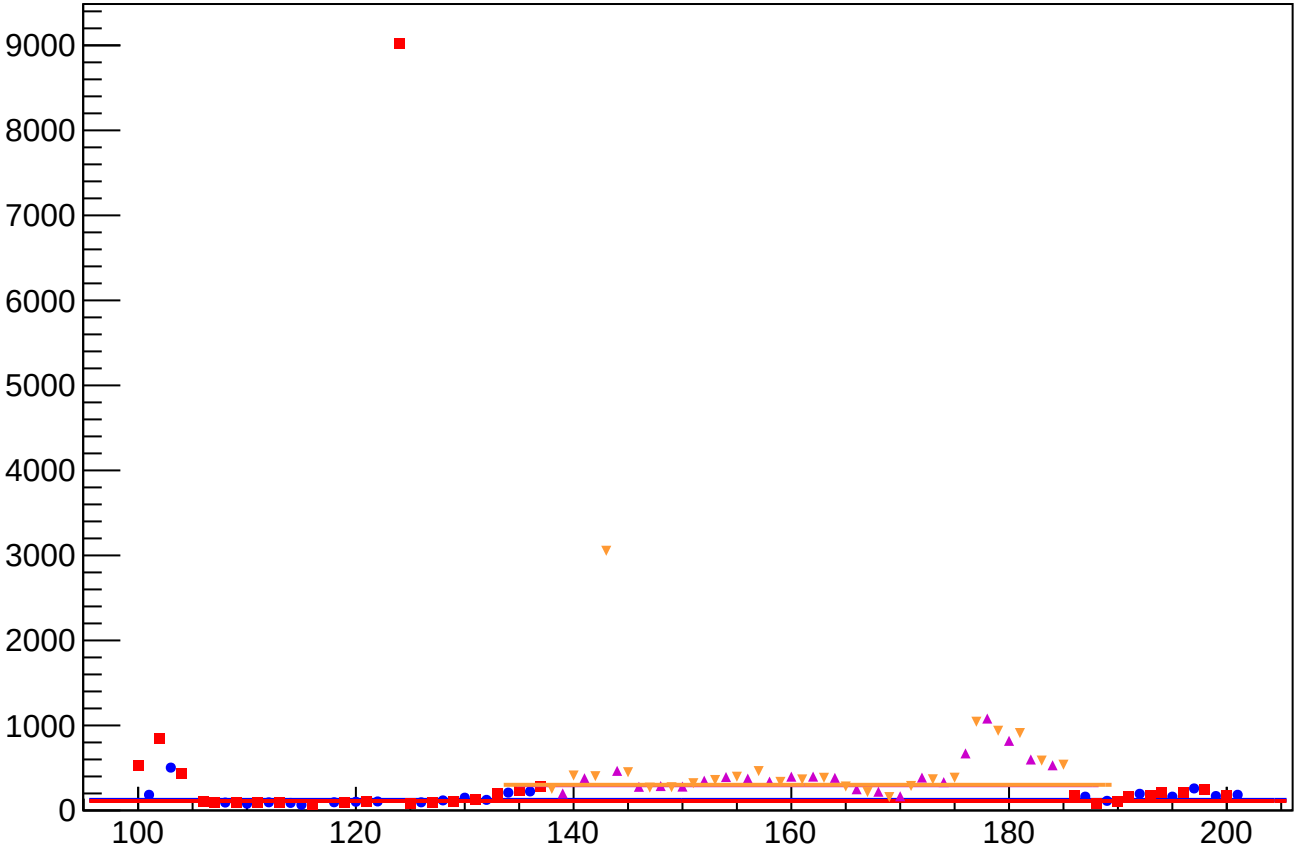
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/47

All: 0.012+/-0.023 χ^2/NDF: 103.4/98

- sign -0.023+/-0.032 χ^2/NDF: 55.3/50

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: 111.284+/-0.025 χ^2/NDF: 4781740.8/27

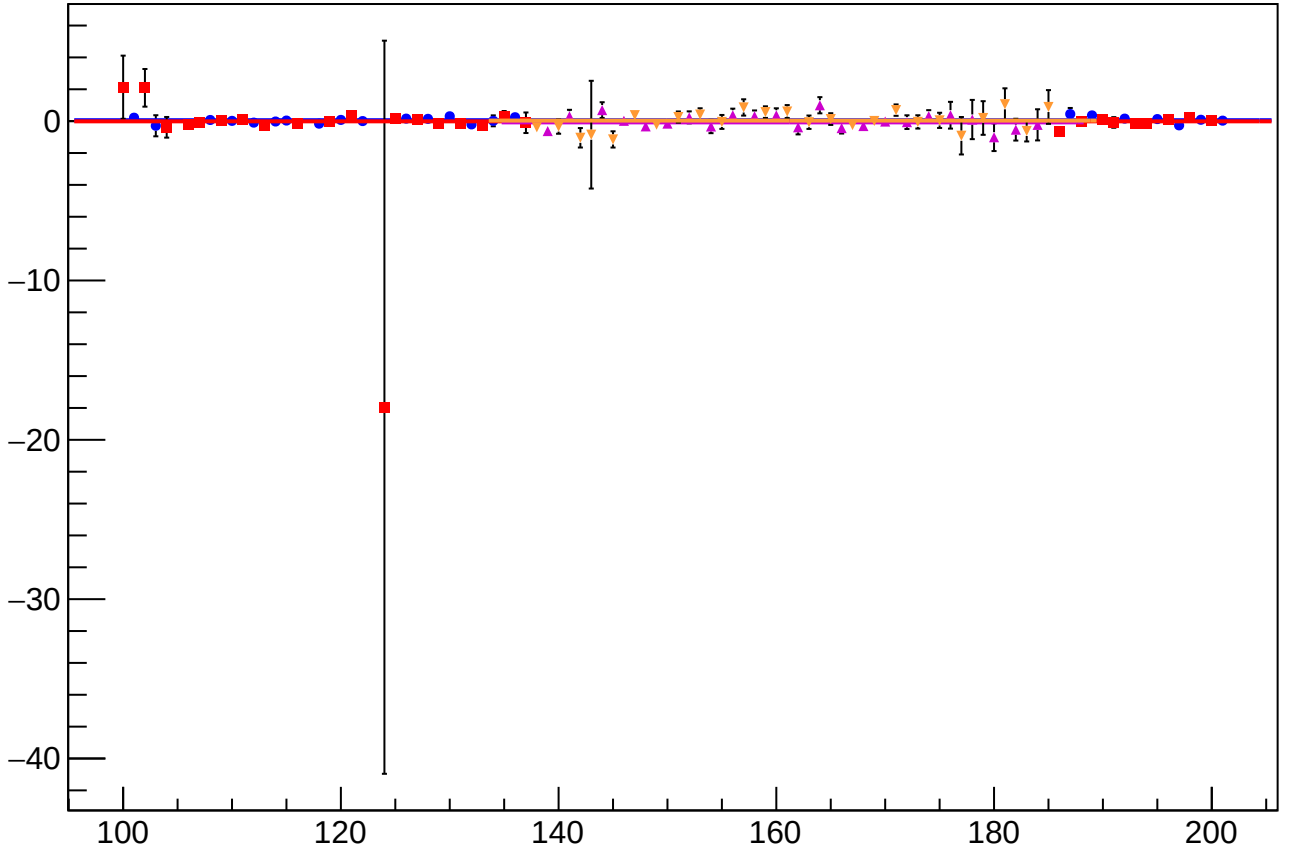
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 160.831+/-0.025 χ^2/NDF: 18343564.3/47

All: 151.240+/-0.017 χ^2/NDF: 38248084.4/98

- sign 143.412+/-0.022 χ^2/NDF: 19629905.8/50

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: -0.012+/-0.035 χ^2/NDF: 30.6/27

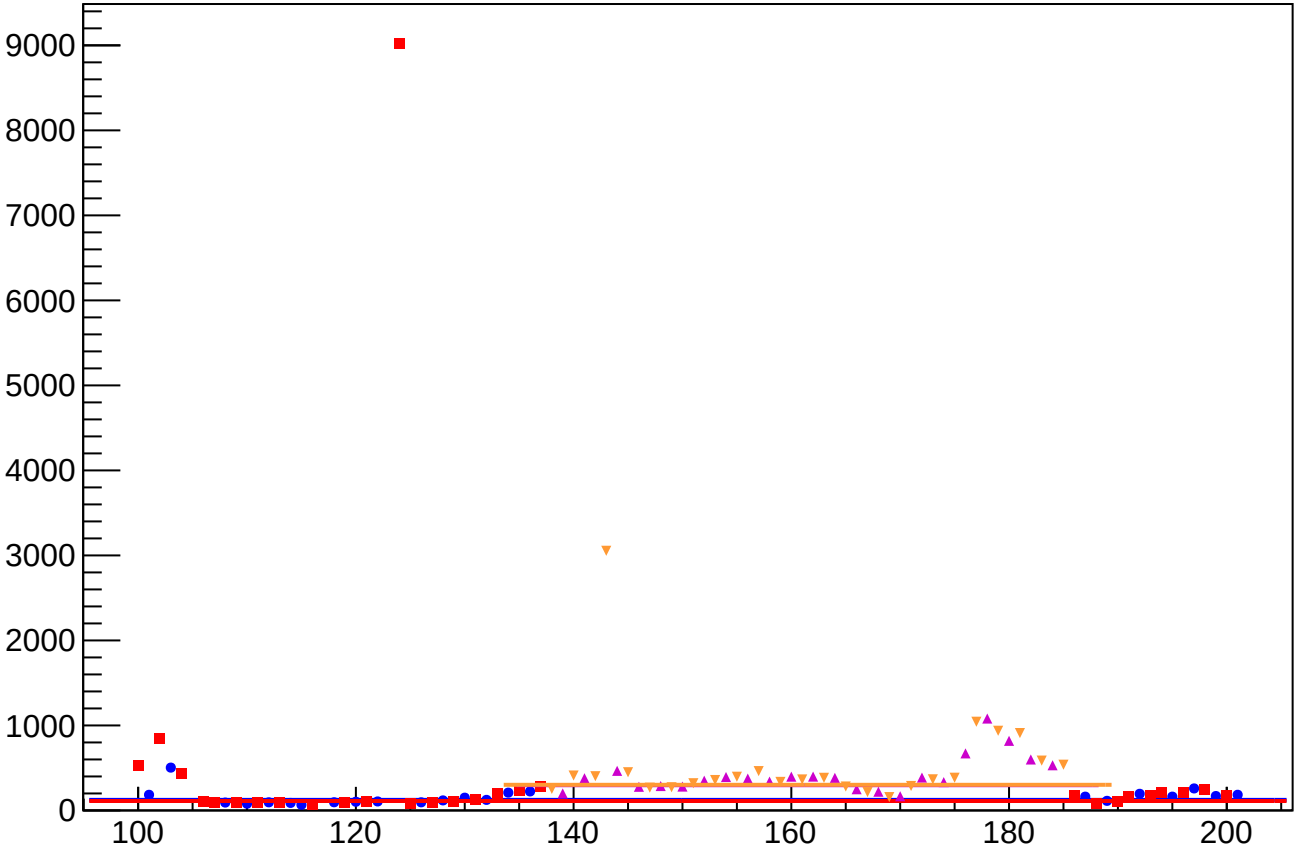
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/47

All: 0.012+/-0.023 χ^2/NDF: 103.4/98

- sign -0.023+/-0.032 χ^2/NDF: 55.3/50

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

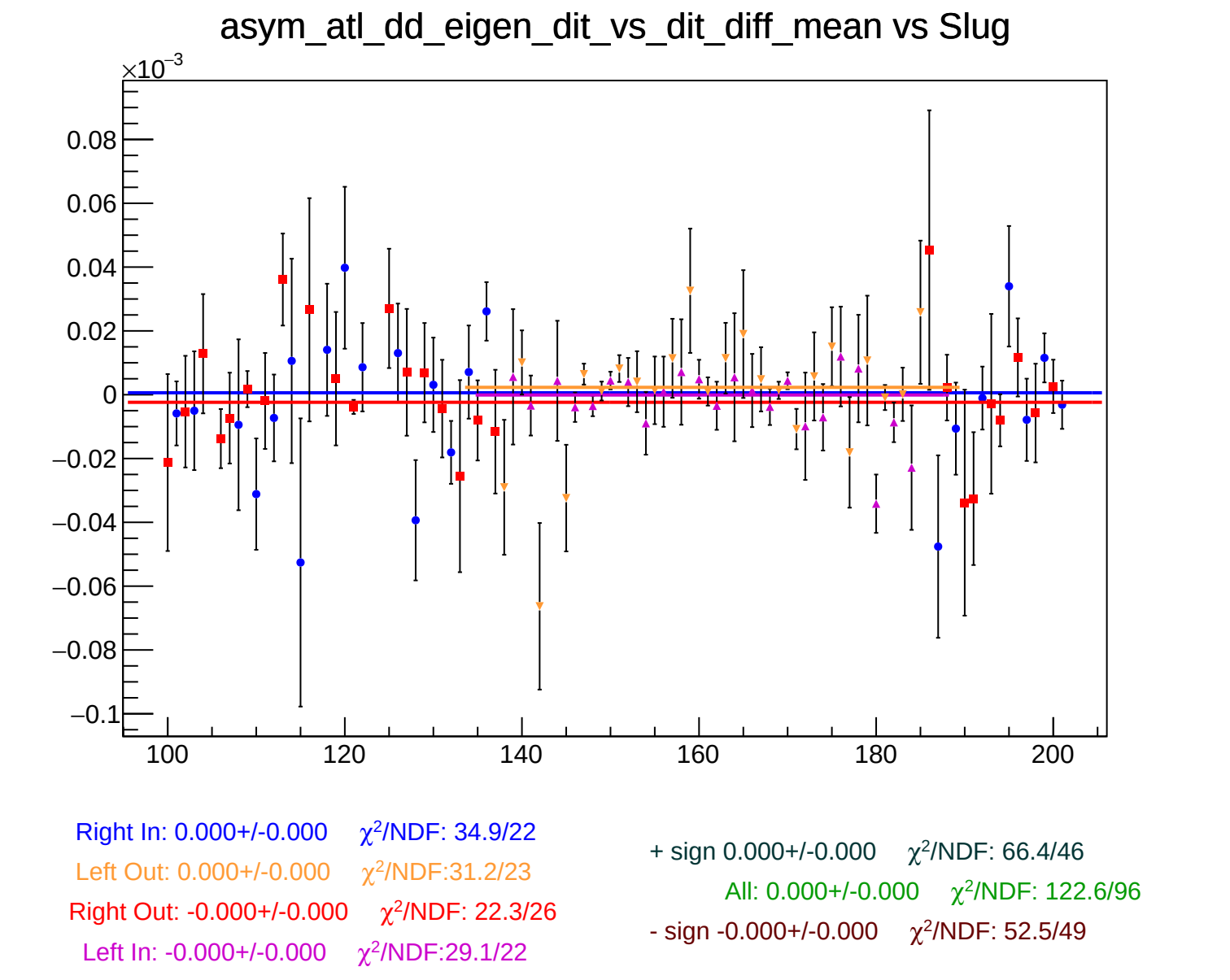
Right Out: 111.284+/-0.025 χ^2/NDF: 4781740.8/27

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

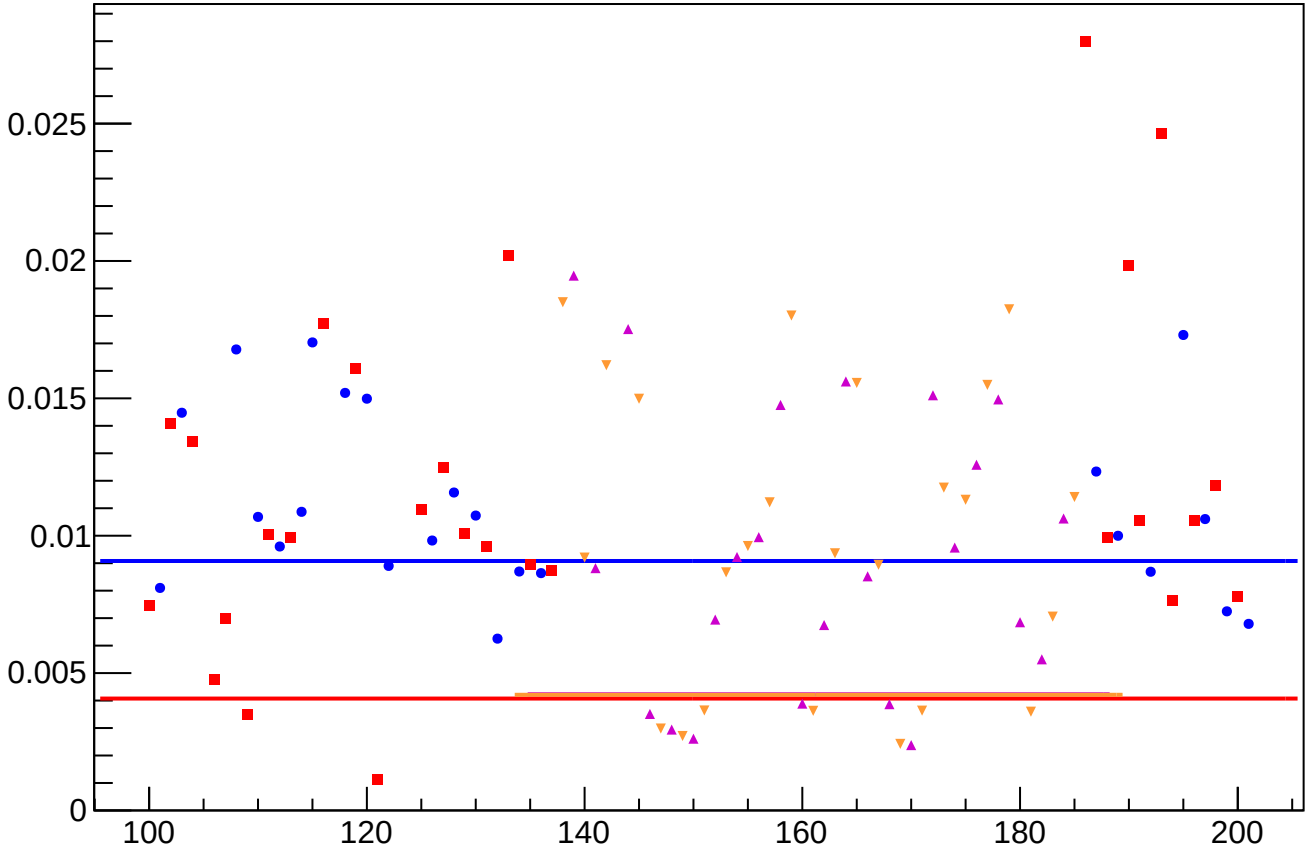
+ sign 160.831+/-0.025 χ^2/NDF: 18343564.3/47

All: 151.240+/-0.017 χ^2/NDF: 38248084.4/98

- sign 143.412+/-0.022 χ^2/NDF: 19629905.8/50


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 34.9/22
Left Out: 0.000+/-0.000 χ²/NDF:31.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/26
Left In: -0.000+/-0.000 χ²/NDF:29.1/22
+ sign 0.000+/-0.000 χ²/NDF: 66.4/46
All: 0.000+/-0.000 χ²/NDF: 122.6/96
- sign -0.000+/-0.000 χ²/NDF: 52.5/49

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1700094.3/22

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13475443.1/26

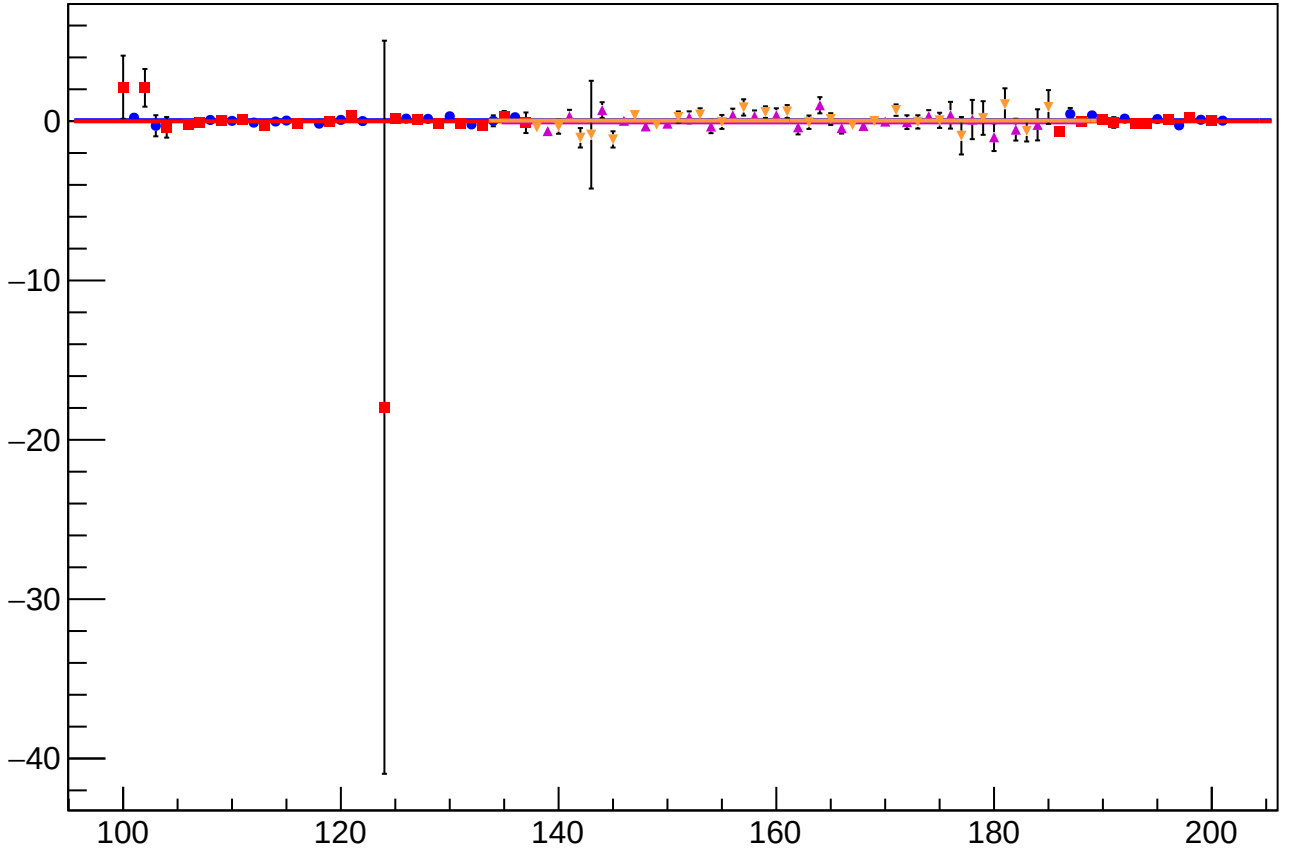
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 18950735.9/46

All: 0.005+/-0.000 χ^2/NDF: 44116327.8/96

- sign 0.004+/-0.000 χ^2/NDF: 24520672.8/49

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: -0.012+/-0.035 χ^2/NDF: 30.6/27

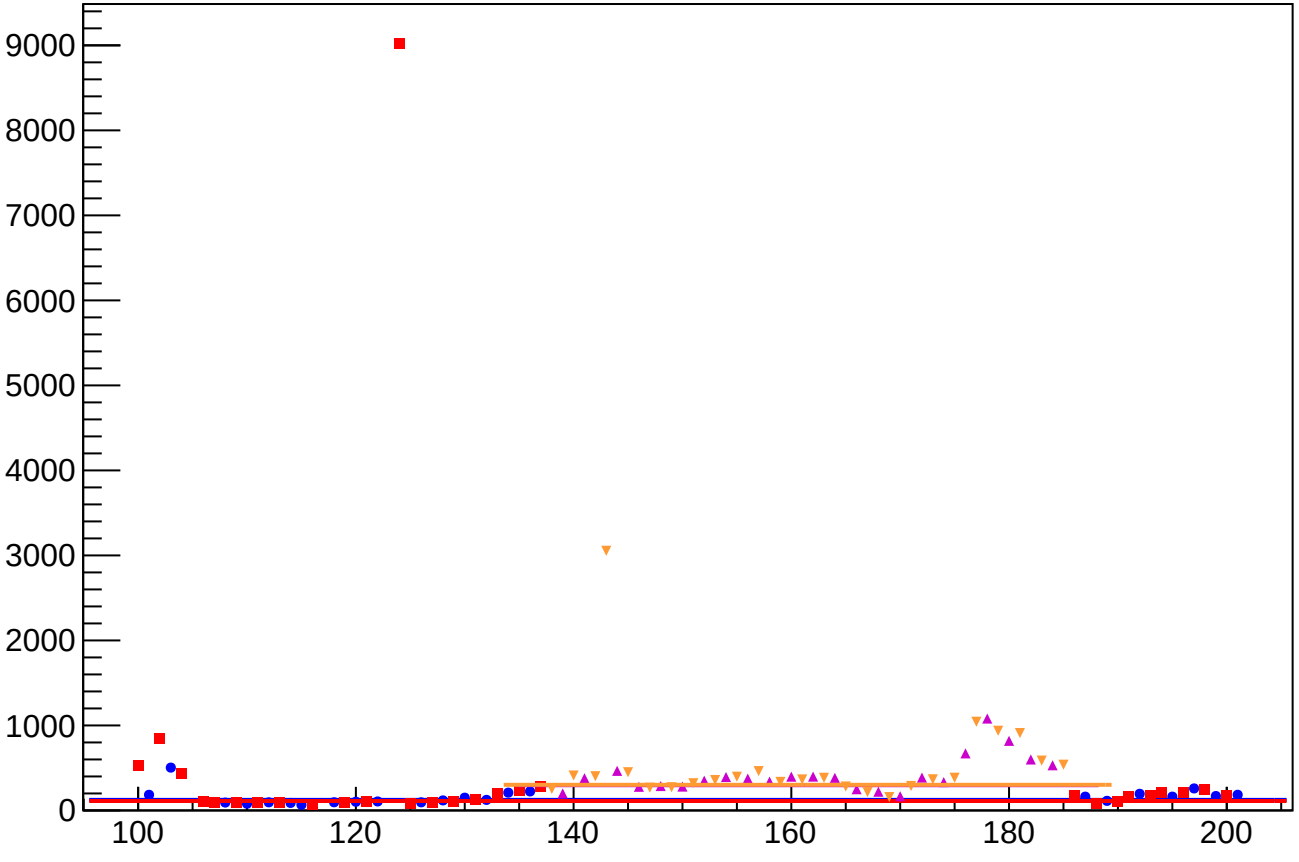
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/47

All: 0.012+/-0.023 χ^2/NDF: 103.4/98

- sign -0.023+/-0.032 χ^2/NDF: 55.3/50

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

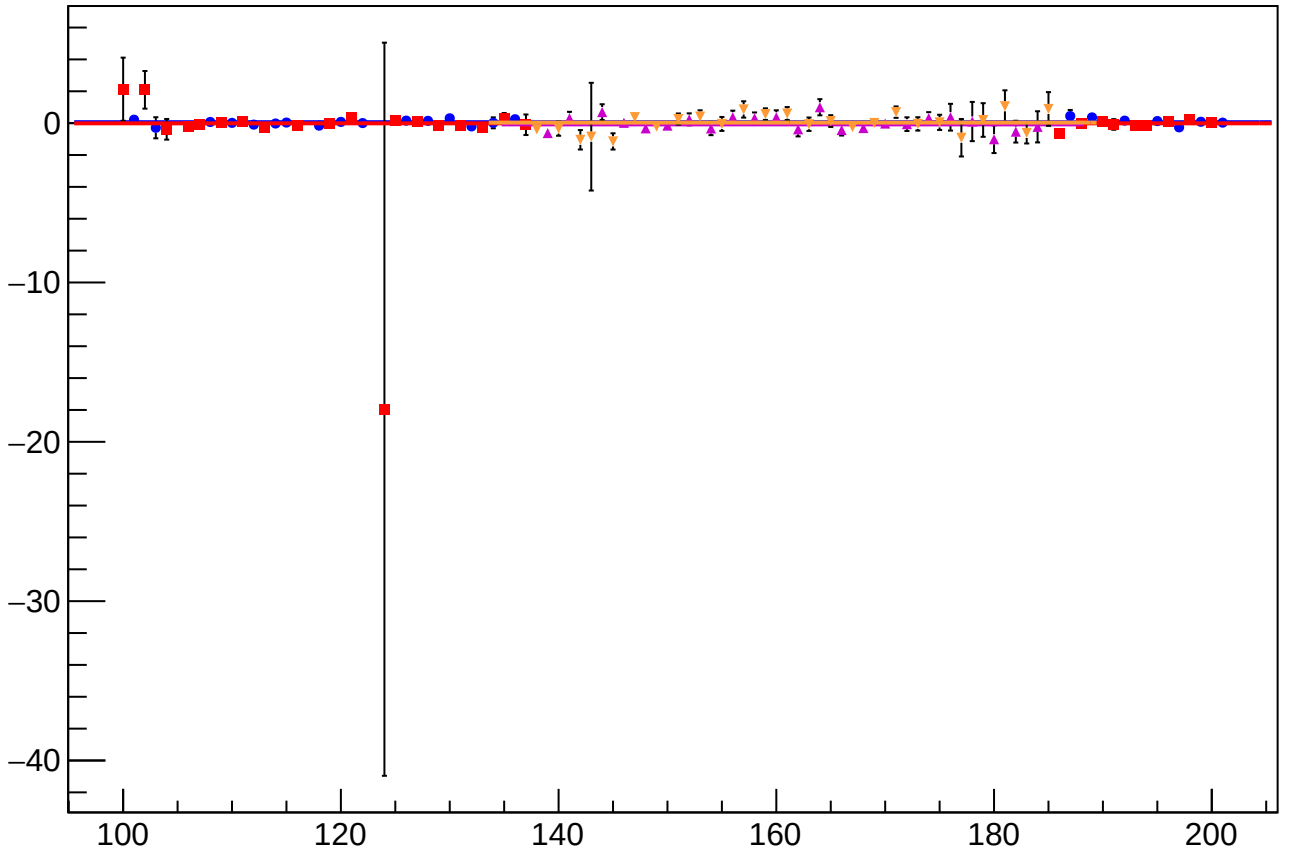
Right Out: 111.285+/-0.025 χ^2/NDF: 4781585.8/27

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 160.831+/-0.025 χ^2/NDF: 18343614.1/47

All: 151.240+/-0.017 χ^2/NDF: 38248026.8/98

- sign 143.413+/-0.022 χ^2/NDF: 19629814.3/50



Right In: 0.060+/-0.039 χ^2/NDF: 15.6/22

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

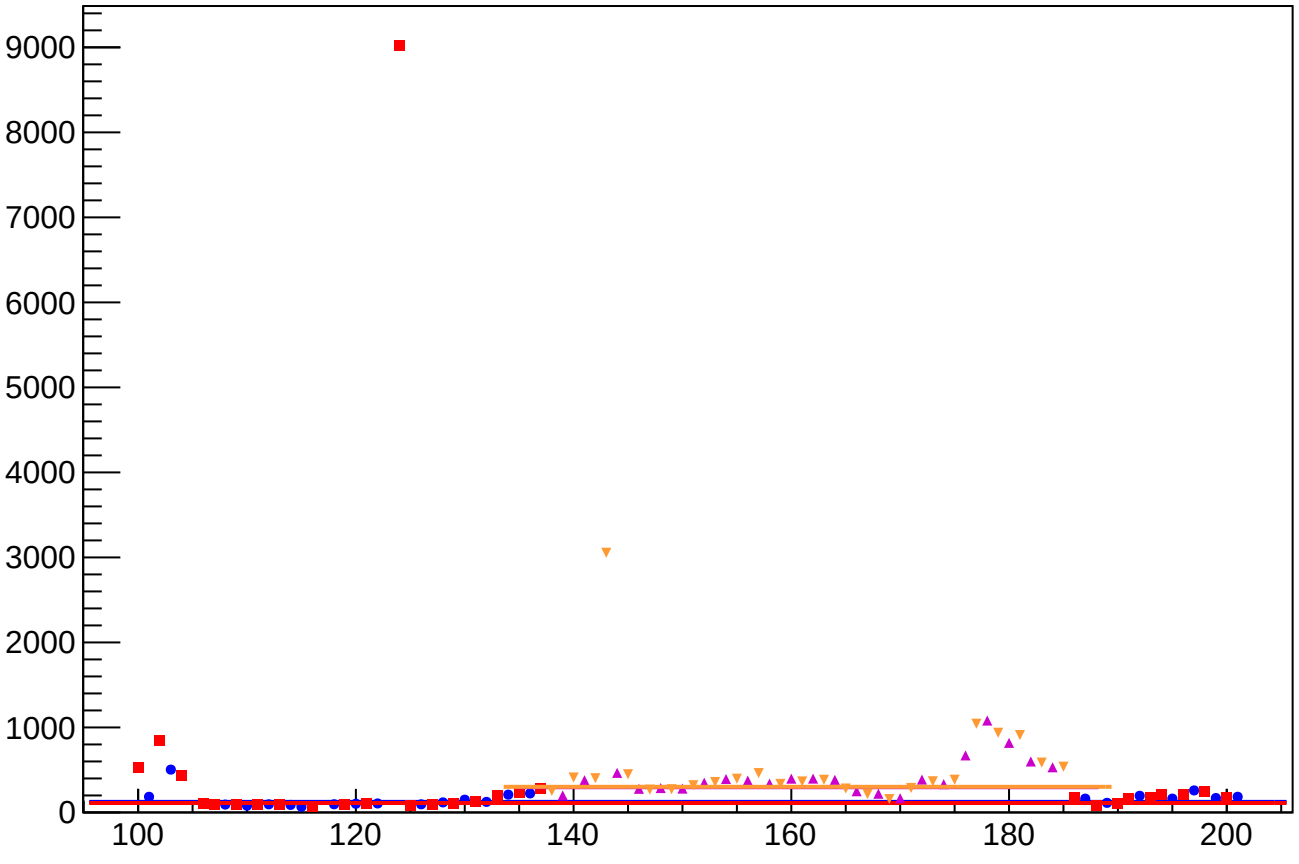
Right Out: -0.012+/-0.035 χ^2/NDF: 30.6/27

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.055+/-0.035 χ^2/NDF: 45.3/47

All: 0.012+/-0.023 χ^2/NDF: 103.4/98

- sign -0.023+/-0.032 χ^2/NDF: 55.3/50



Right In: 124.370+/-0.028 χ^2/NDF: 3204934.3/22

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

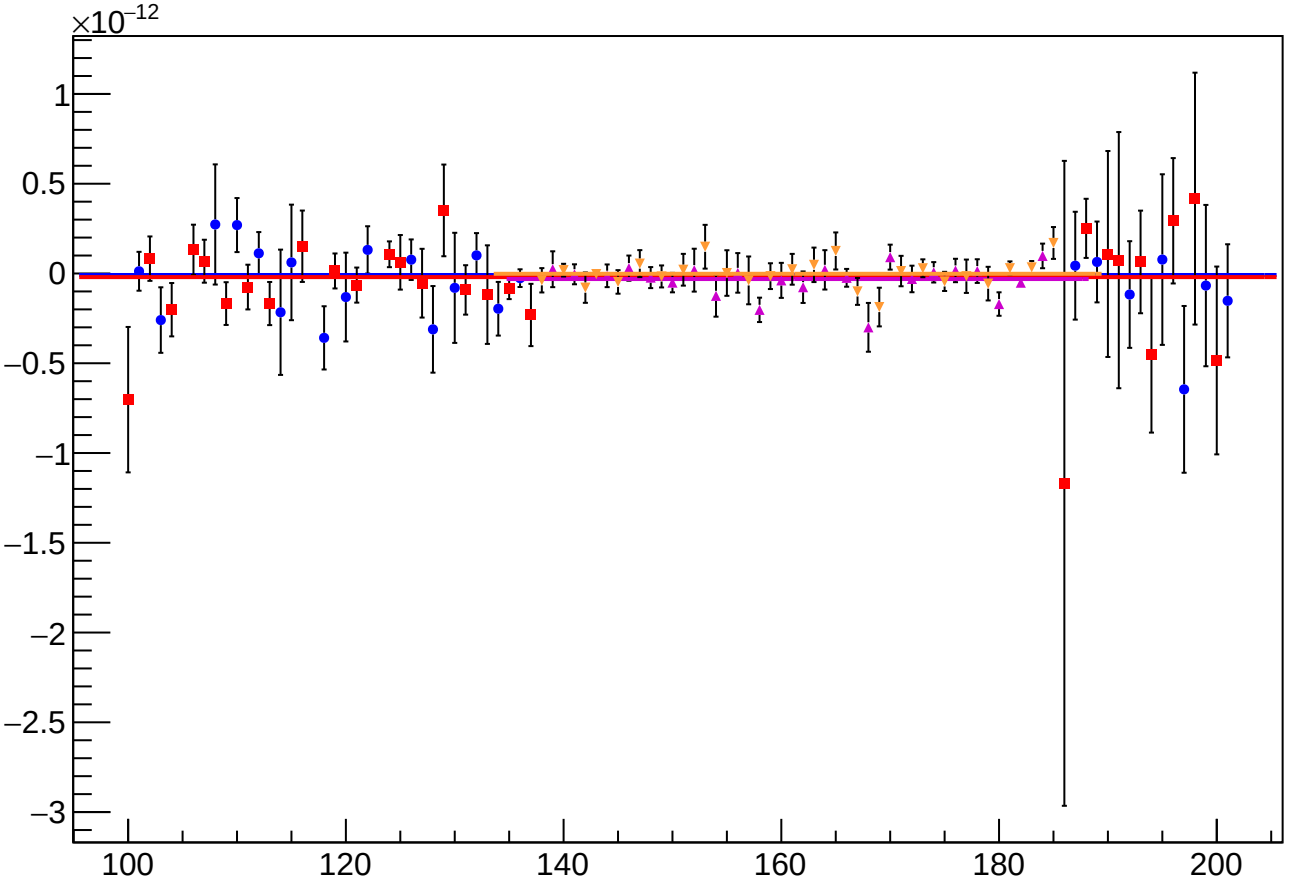
Right Out: 111.285+/-0.025 χ^2/NDF: 4781585.8/27

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 160.831+/-0.025 χ^2/NDF: 18343614.1/47

All: 151.240+/-0.017 χ^2/NDF: 38248026.8/98

- sign 143.413+/-0.022 χ^2/NDF: 19629814.3/50



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: 26.0/27

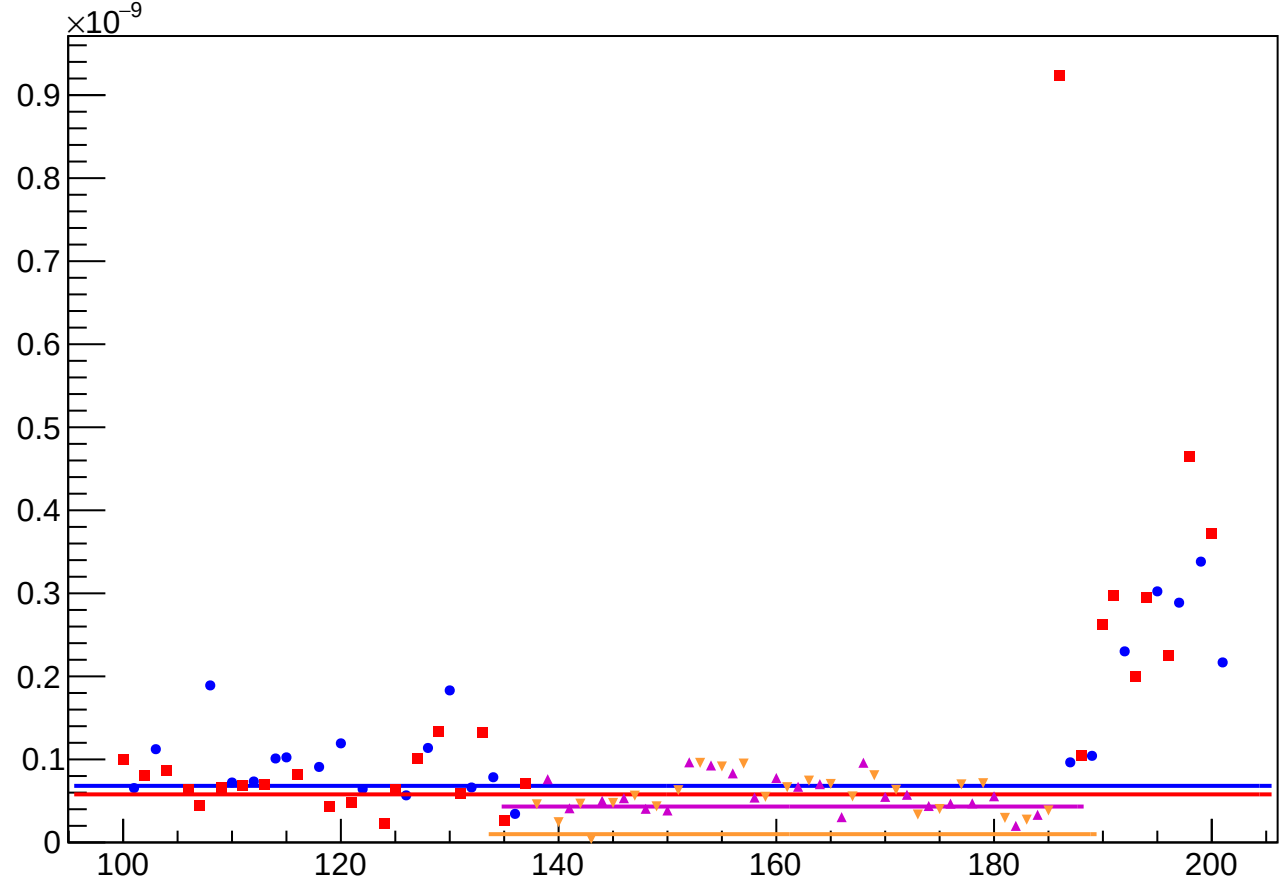
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.7/47

All: -0.000+/-0.000 χ^2/NDF: 94.5/98

- sign -0.000+/-0.000 χ^2/NDF: 52.5/50

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4636431.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5846584.6/27

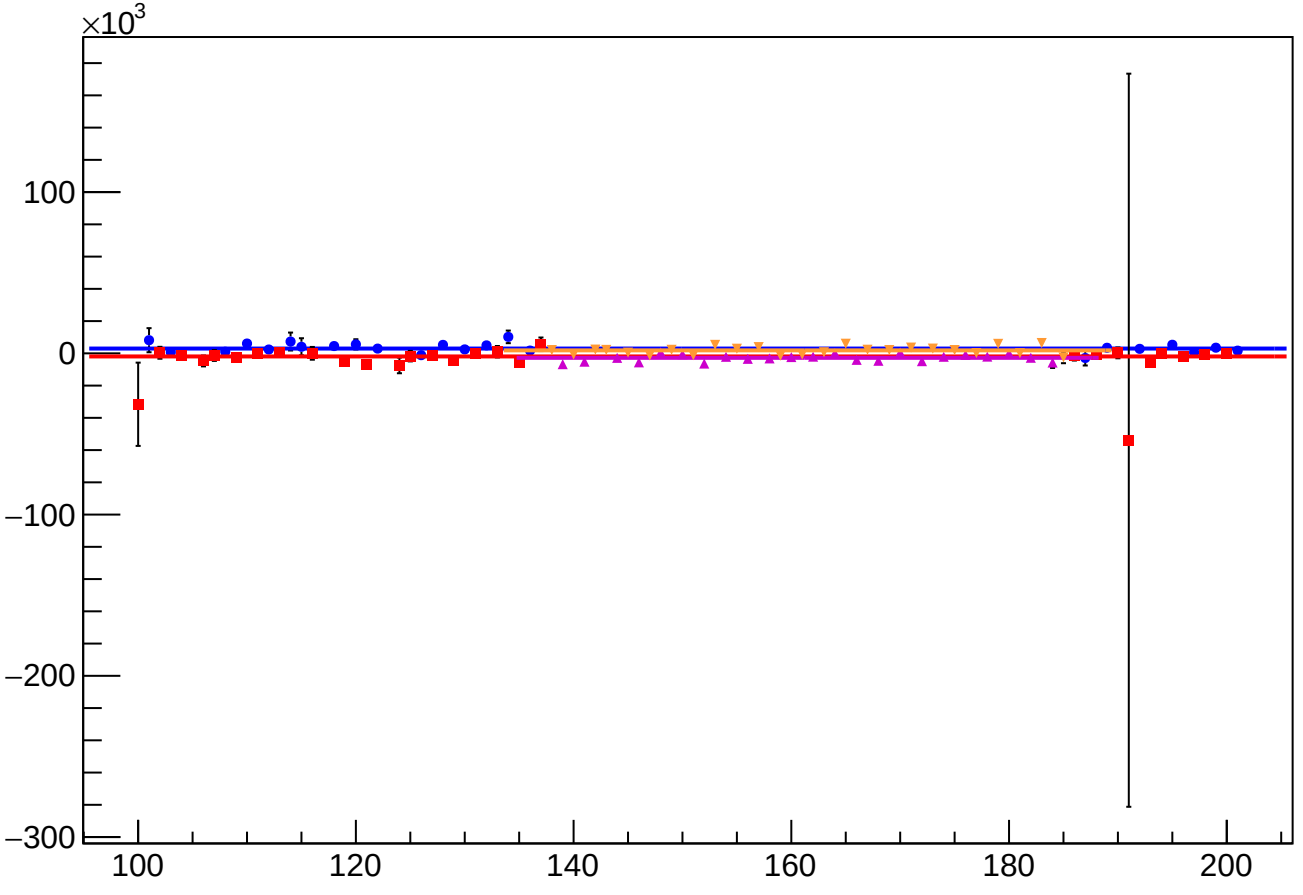
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 30122153.2/47

All: 0.000+/-0.000 χ^2/NDF: 54885571.6/98

- sign 0.000+/-0.000 χ^2/NDF: 10385010.1/50

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: -1919.761+/-537.815 χ^2/NDF: 21.6/27

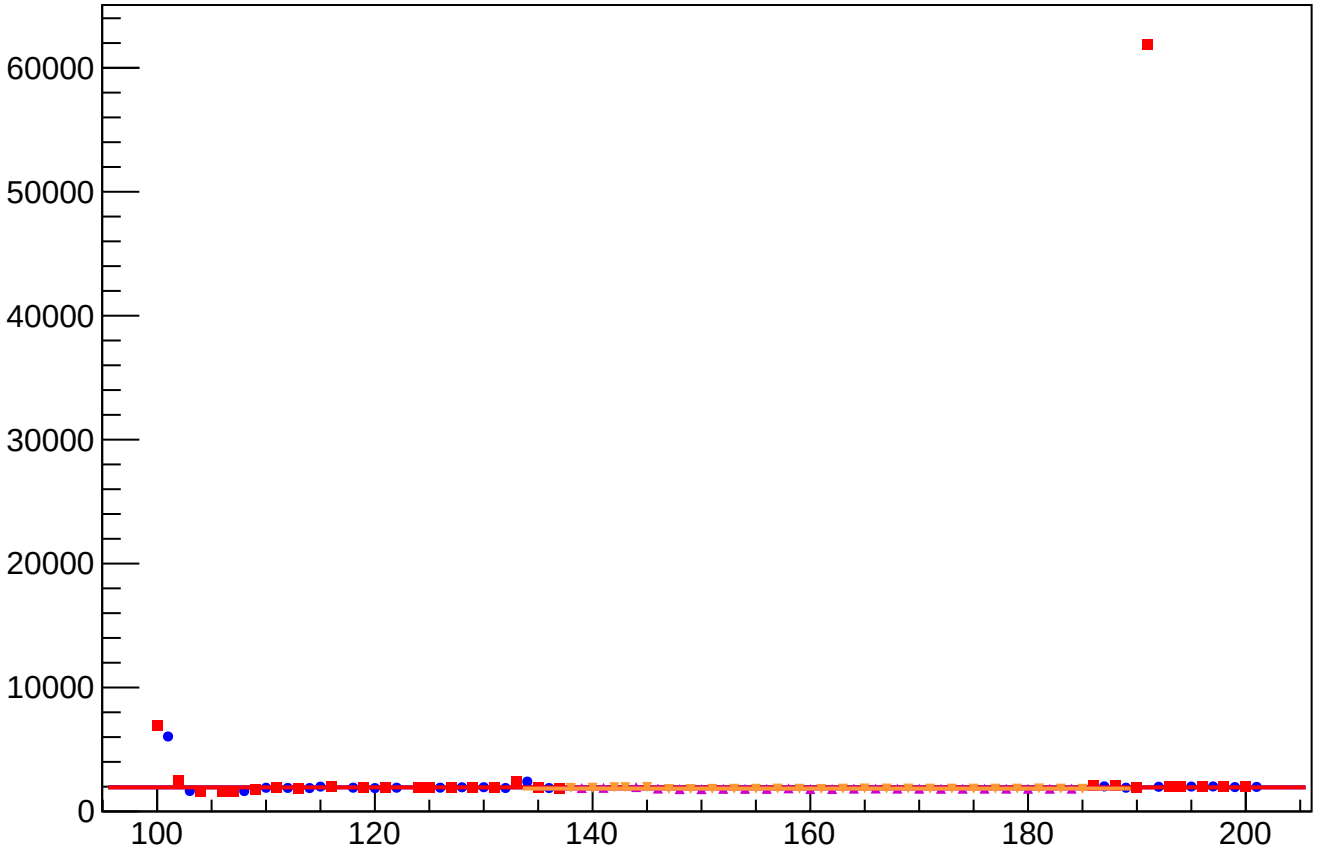
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2254.642+/-336.411 χ^2/NDF: 50.4/47

All: -94.273+/-237.827 χ^2/NDF: 196.4/98

- sign -2441.132+/-336.264 χ^2/NDF: 48.6/50

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: 1942.053+/-0.380 χ^2/NDF: 403431.5/27

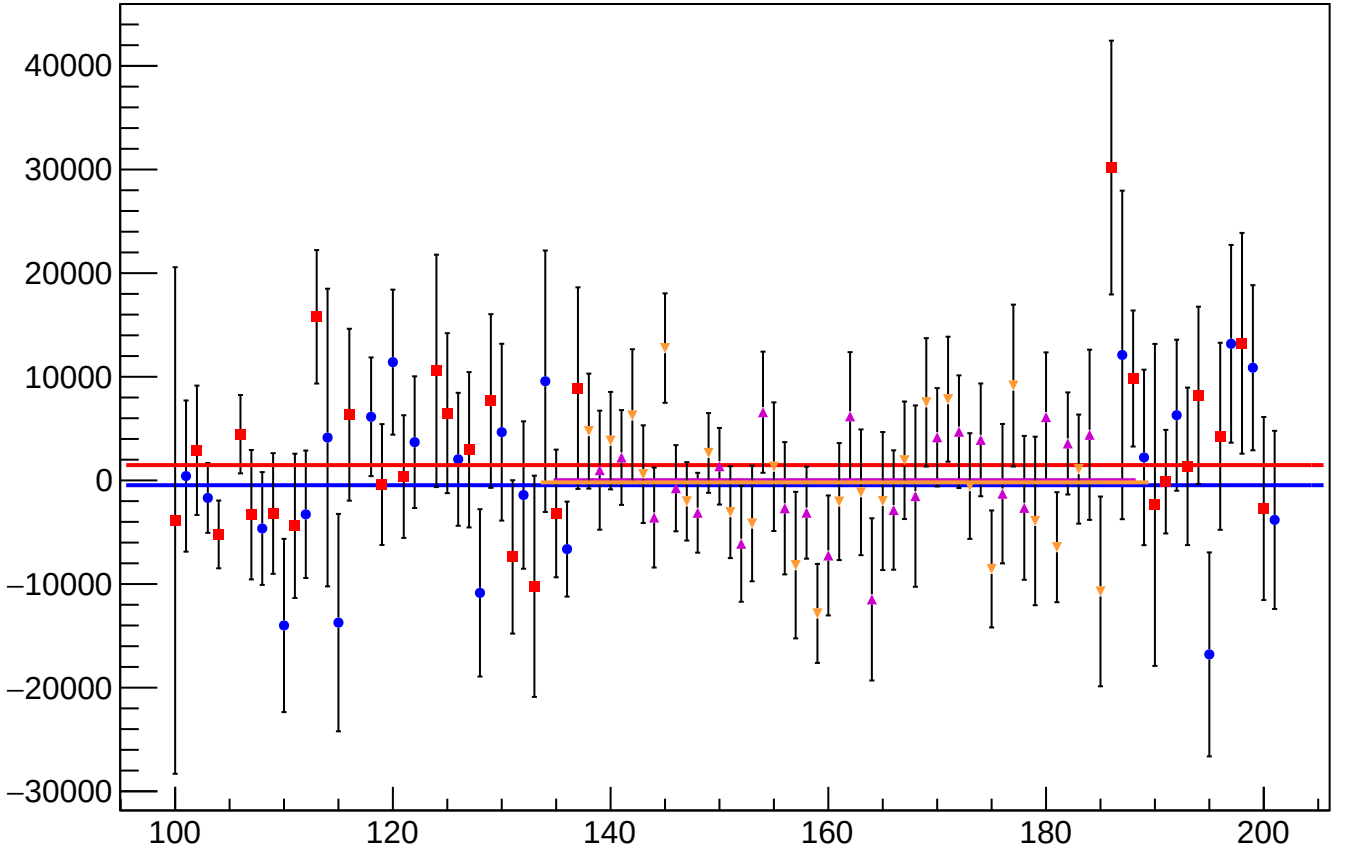
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1883.696+/-0.238 χ^2/NDF: 766326.1/47

All: 1883.382+/-0.168 χ^2/NDF: 1223502.7/98

- sign 1883.070+/-0.238 χ^2/NDF: 457173.2/50

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: 1476.211+/-1267.031 χ^2/NDF: 27.2/27

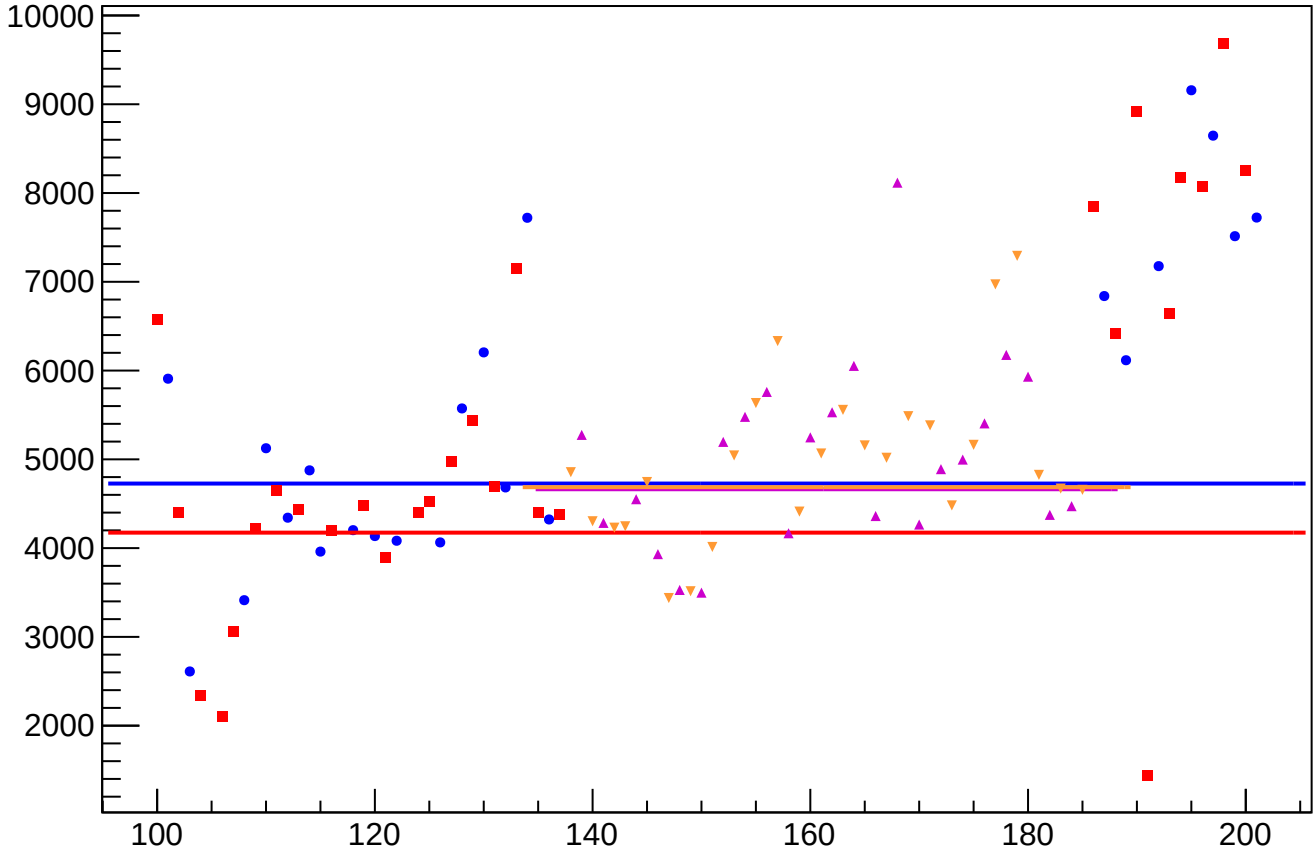
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -289.330+/-867.439 χ^2/NDF: 52.0/47

All: 199.544+/-601.954 χ^2/NDF: 94.3/98

- sign 653.638+/-836.013 χ^2/NDF: 41.7/50

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: 4174.367+/-0.896 χ^2/NDF: 4763999.1/27

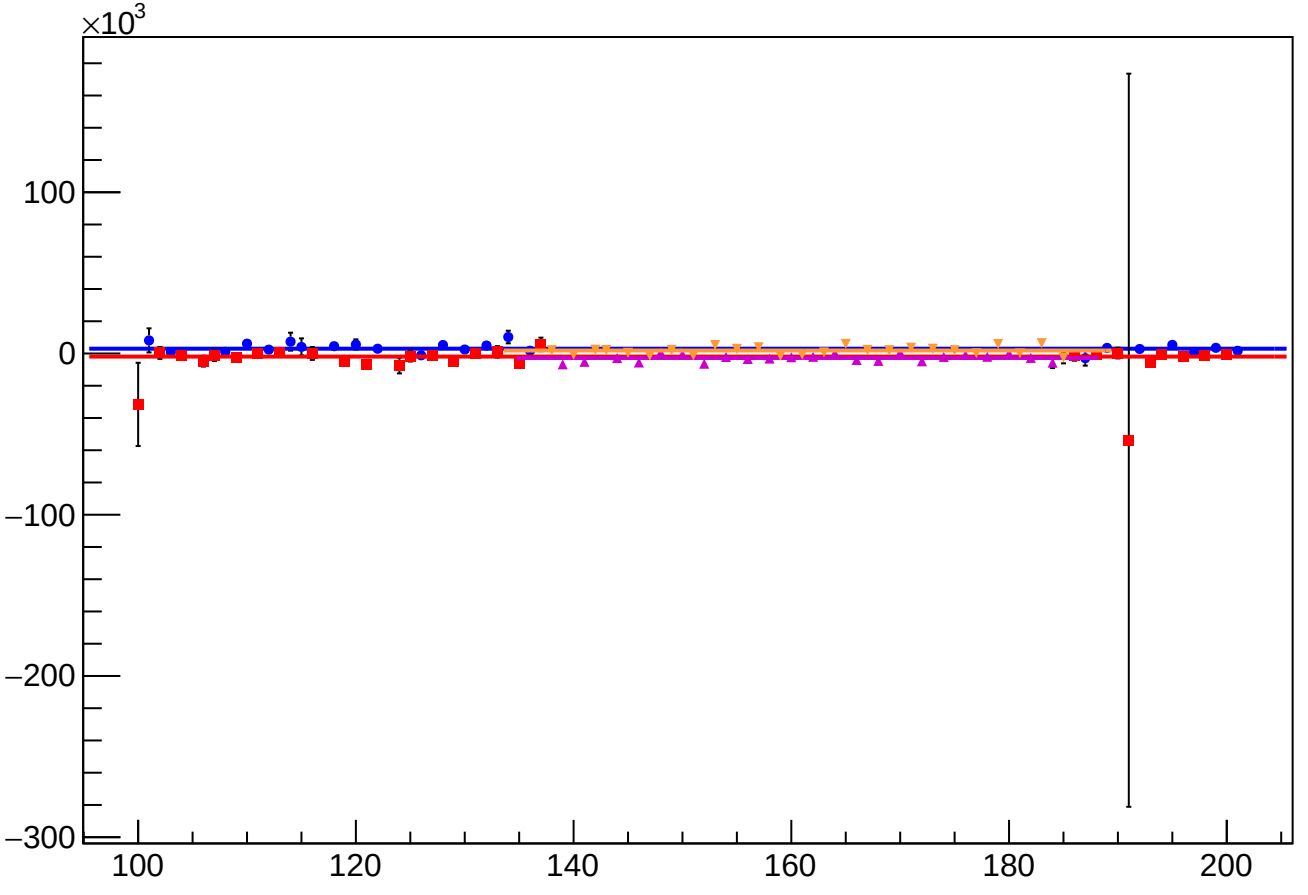
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4701.275+/-0.613 χ^2/NDF: 3994476.6/47

All: 4571.221+/-0.426 χ^2/NDF: 10300059.5/9

- sign 4450.420+/-0.591 χ^2/NDF: 6218866.9/50

cor_asym_atr_avg_mean vs Slug



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: -1920.380+/-537.816 χ^2/NDF: 21.6/27

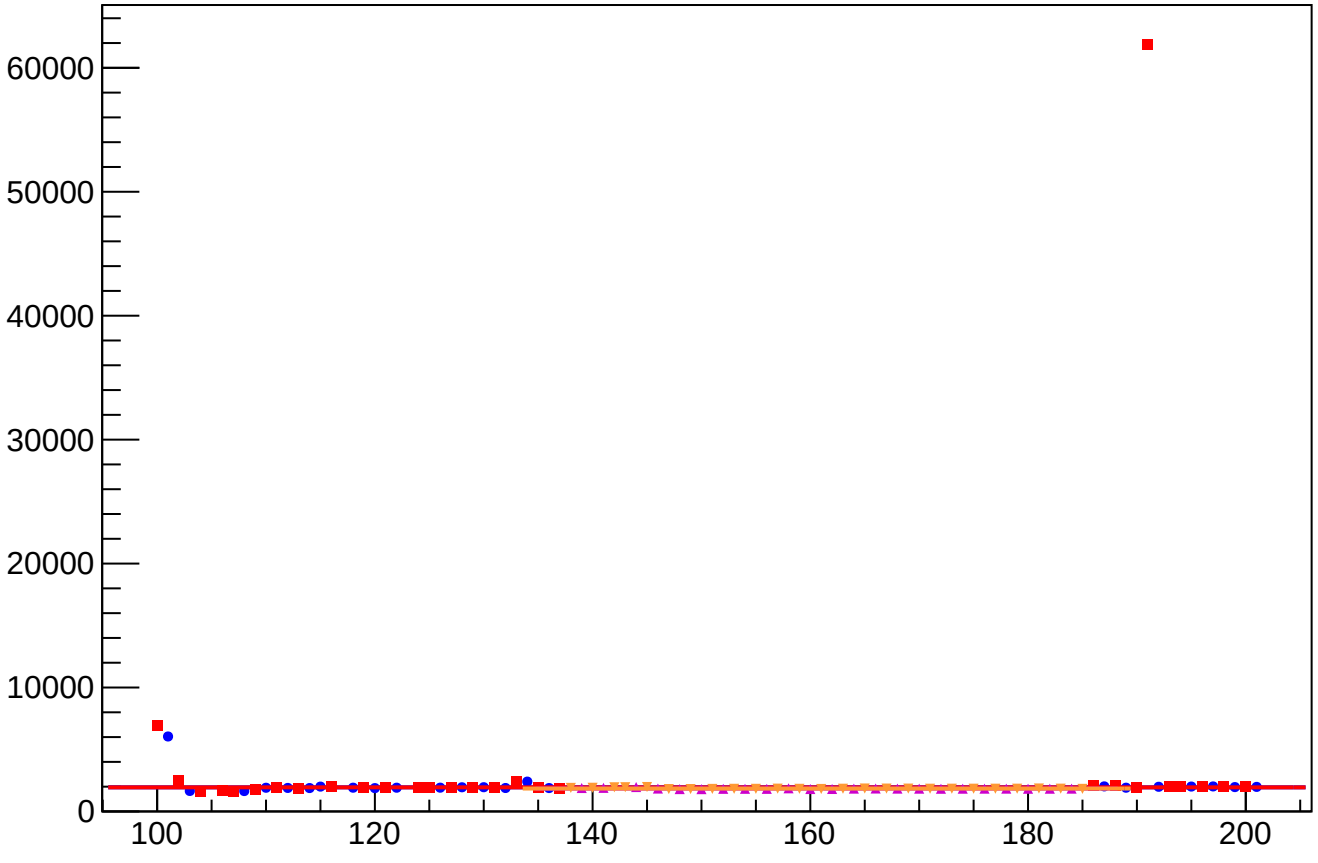
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2254.453+/-336.412 χ^2/NDF: 50.3/47

All: -94.479+/-237.827 χ^2/NDF: 196.4/98

- sign -2441.361+/-336.265 χ^2/NDF: 48.6/50

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: 1944.448+/-0.380 χ^2/NDF: 395319.0/27

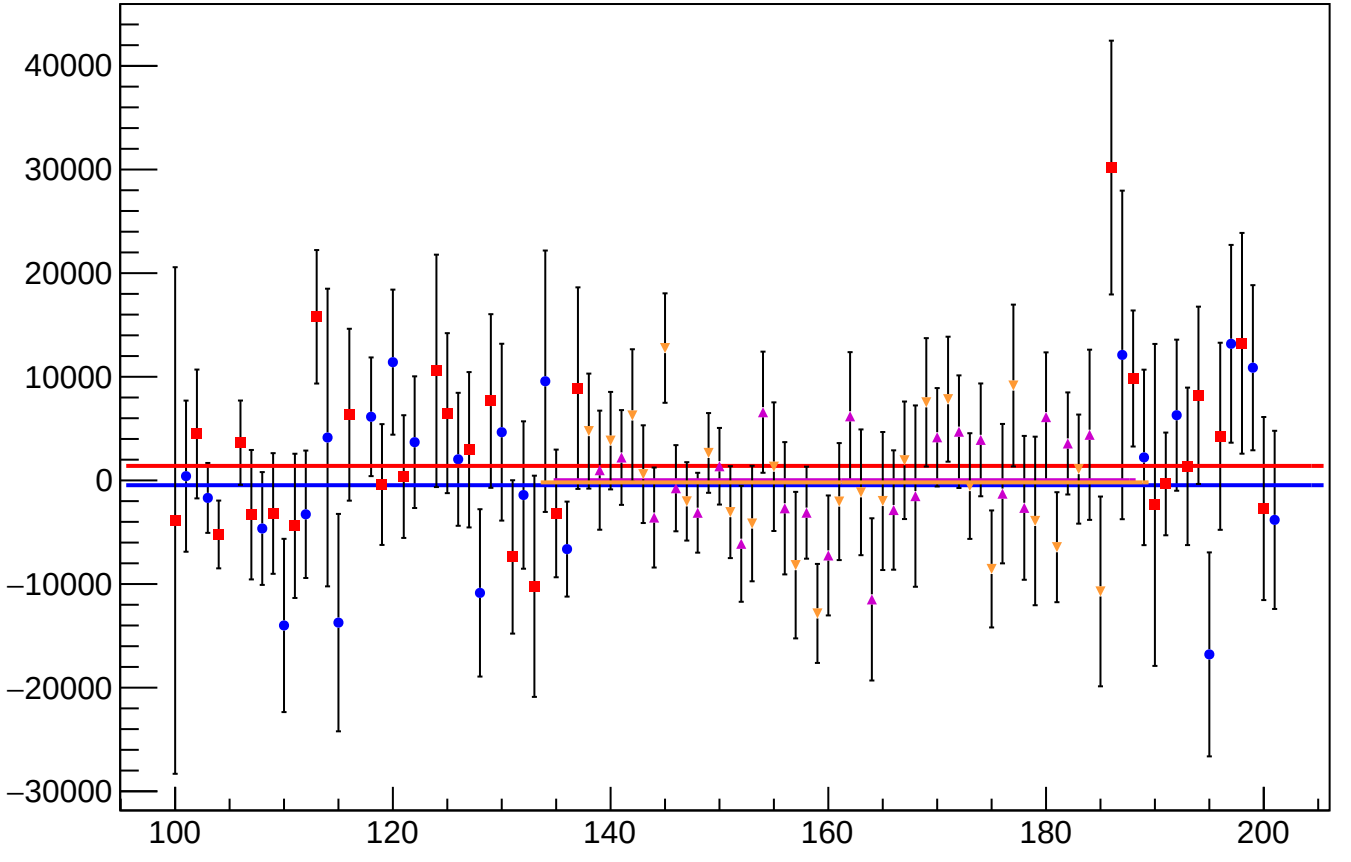
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1883.696+/-0.238 χ^2/NDF: 766325.3/47

All: 1883.827+/-0.168 χ^2/NDF: 1217317.2/98

- sign 1883.957+/-0.238 χ^2/NDF: 450991.3/50

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: 1399.692+/-1275.940 χ^2/NDF: 27.0/27

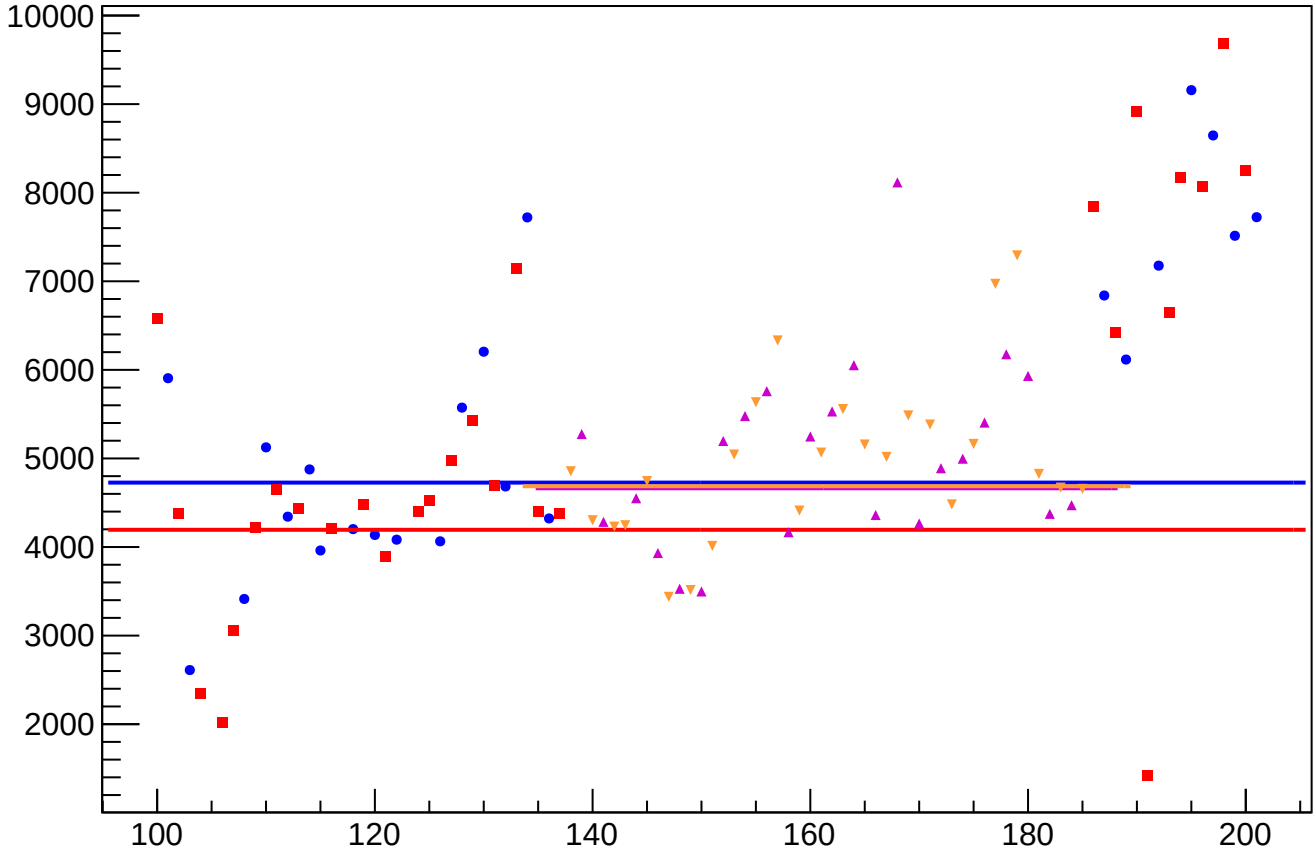
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -289.439+/-867.439 χ^2/NDF: 52.0/47

All: 178.396+/-602.902 χ^2/NDF: 94.0/98

- sign 615.596+/-838.557 χ^2/NDF: 41.4/50

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: 4194.474+/-0.902 χ^2/NDF: 4736045.7/27

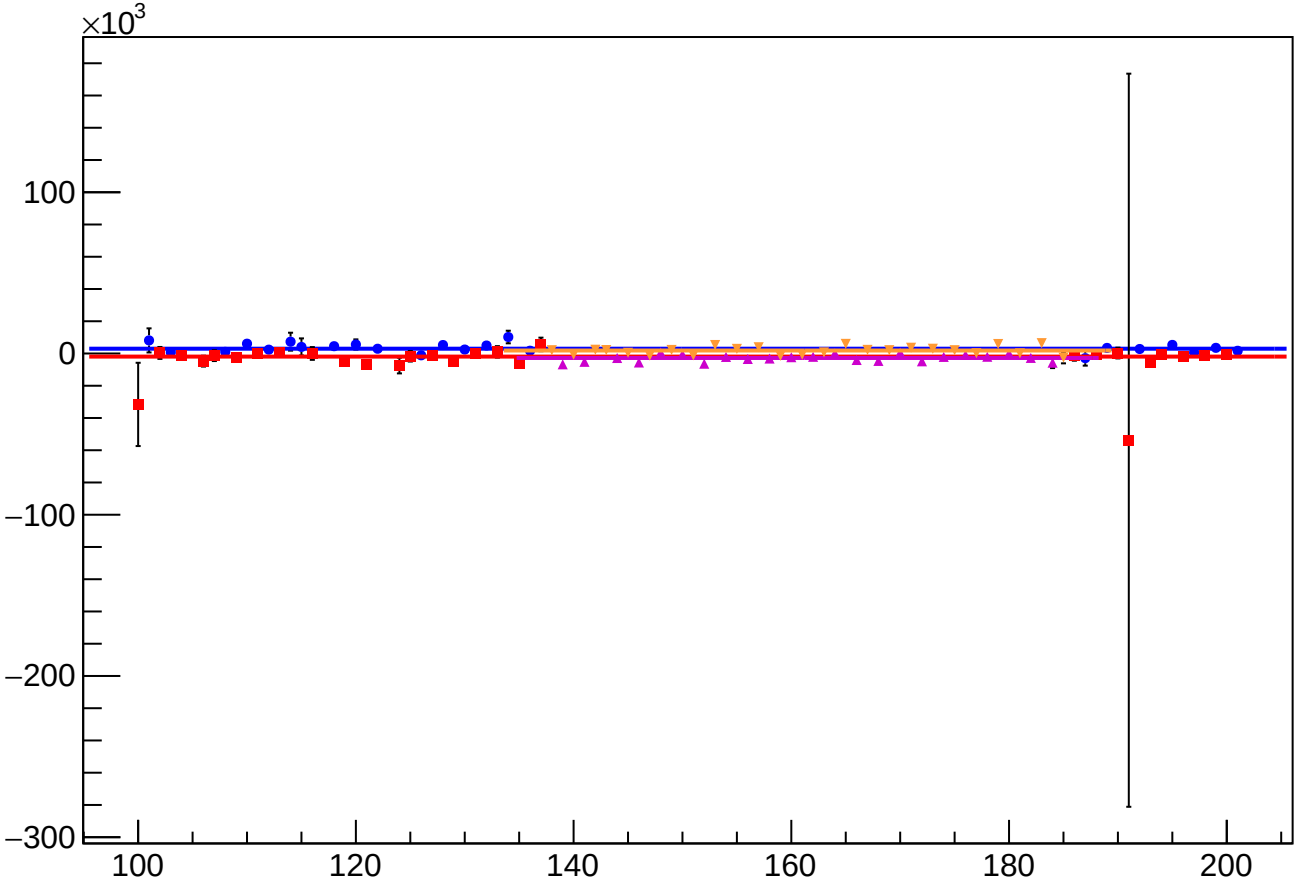
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4701.299+/-0.613 χ^2/NDF: 3993918.7/47

All: 4576.972+/-0.426 χ^2/NDF: 10249540.7/9

- sign 4460.788+/-0.593 χ^2/NDF: 6176143.4/50

eigen_cor_asym_atr_avg_mean vs Slug



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: -1920.380+/-537.816 χ^2/NDF: 21.6/27

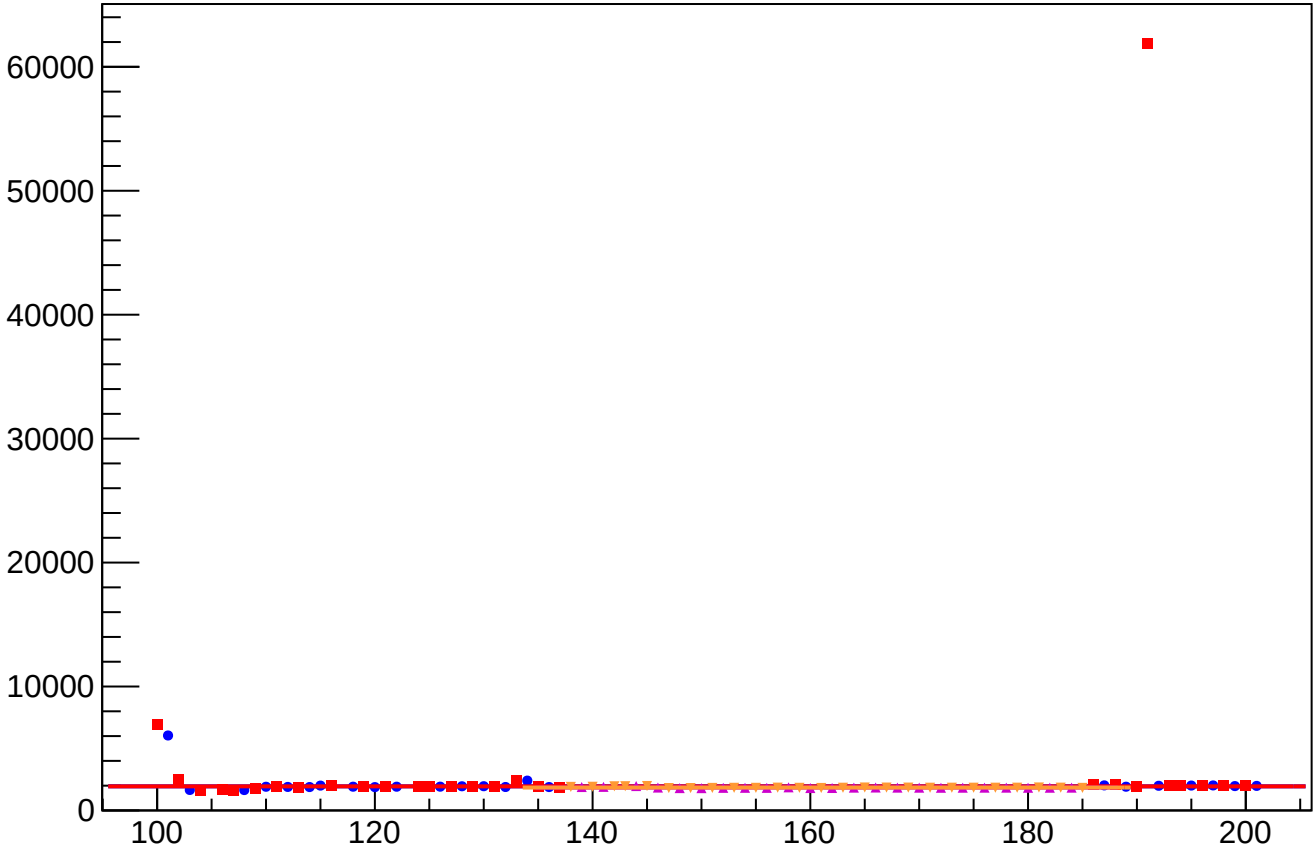
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2254.453+/-336.412 χ^2/NDF: 50.3/47

All: -94.479+/-237.827 χ^2/NDF: 196.4/98

- sign -2441.361+/-336.265 χ^2/NDF: 48.6/50

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

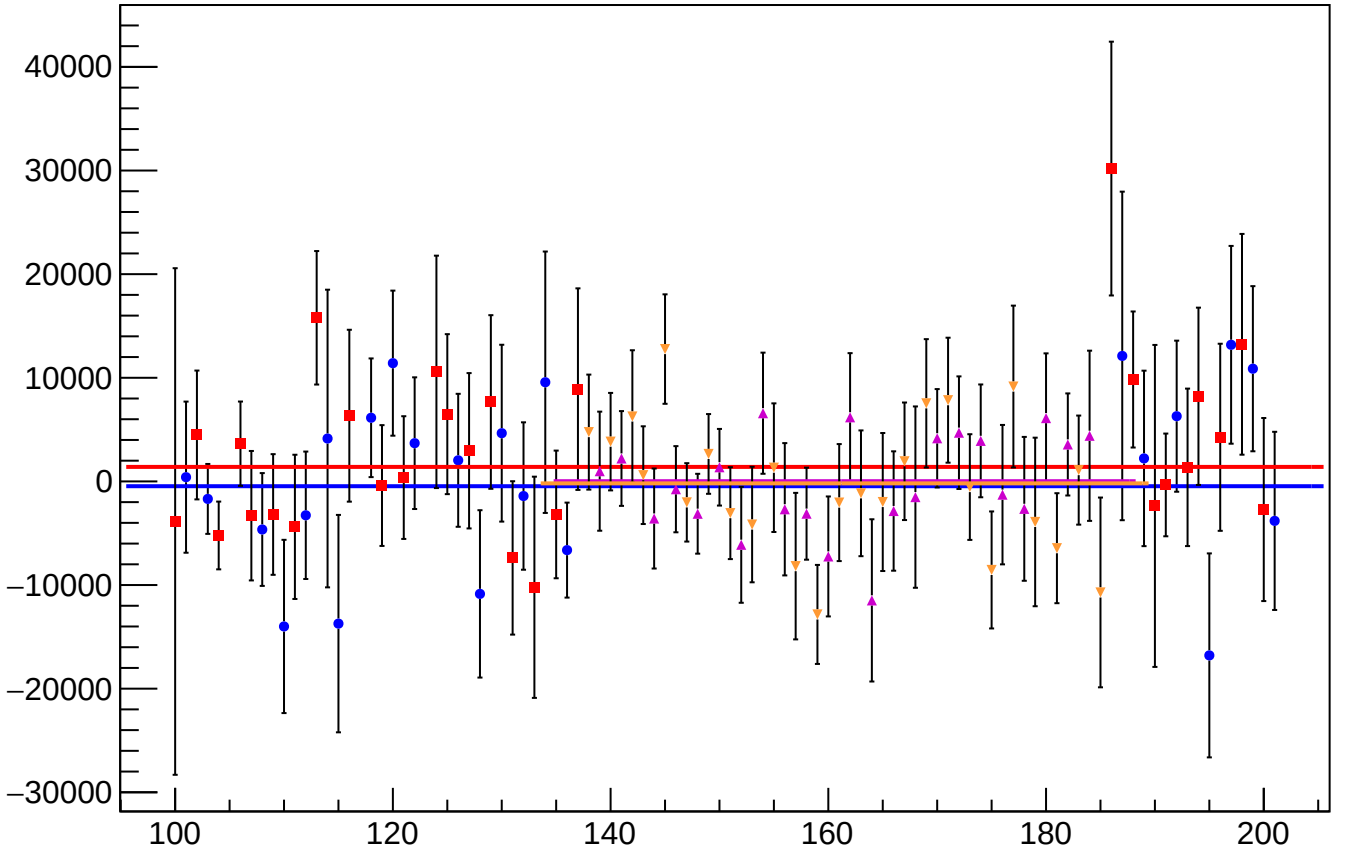
Right Out: 1944.448+/-0.380 χ^2/NDF: 395319.0/27

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1883.696+/-0.238 χ^2/NDF: 766325.3/47

All: 1883.827+/-0.168 χ^2/NDF: 1217317.2/98

- sign 1883.957+/-0.238 χ^2/NDF: 450991.3/50



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: 1399.692+/-1275.940 χ^2/NDF: 27.0/27

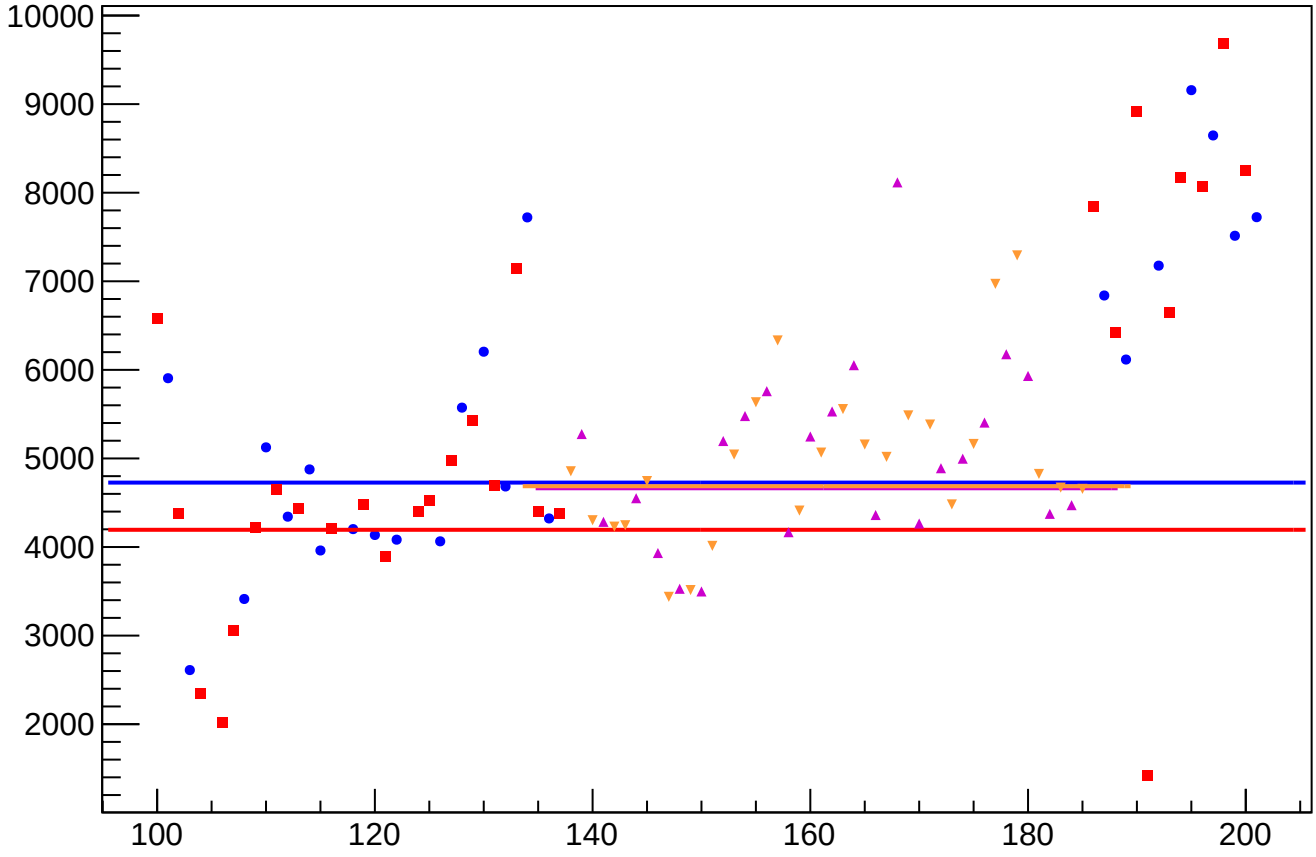
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -289.439+/-867.439 χ^2/NDF: 52.0/47

All: 178.396+/-602.902 χ^2/NDF: 94.0/98

- sign 615.596+/-838.557 χ^2/NDF: 41.4/50

asym_atr_avg_eigen_cor_correction_rms vs Slug



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Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4194.474+/-0.902 χ^2/NDF: 4736045.7/27

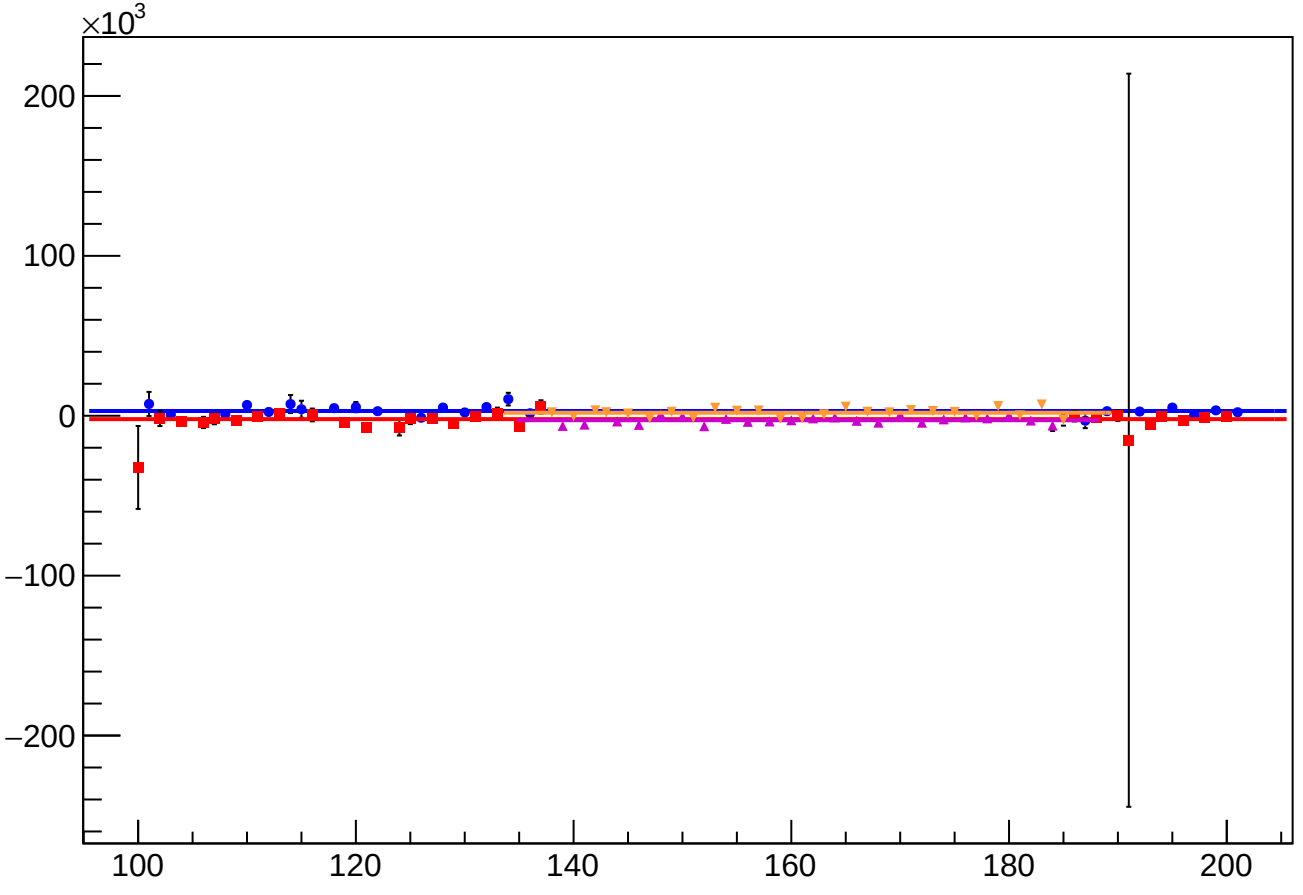
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4701.299+/-0.613 χ^2/NDF: 3993918.7/47

All: 4576.972+/-0.426 χ^2/NDF: 10249540.7/9

- sign 4460.788+/-0.593 χ^2/NDF: 6176143.4/50

dit_asym_atr_avg_mean vs Slug



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: -2119.693+/-551.151 χ^2/NDF: 22.0/27

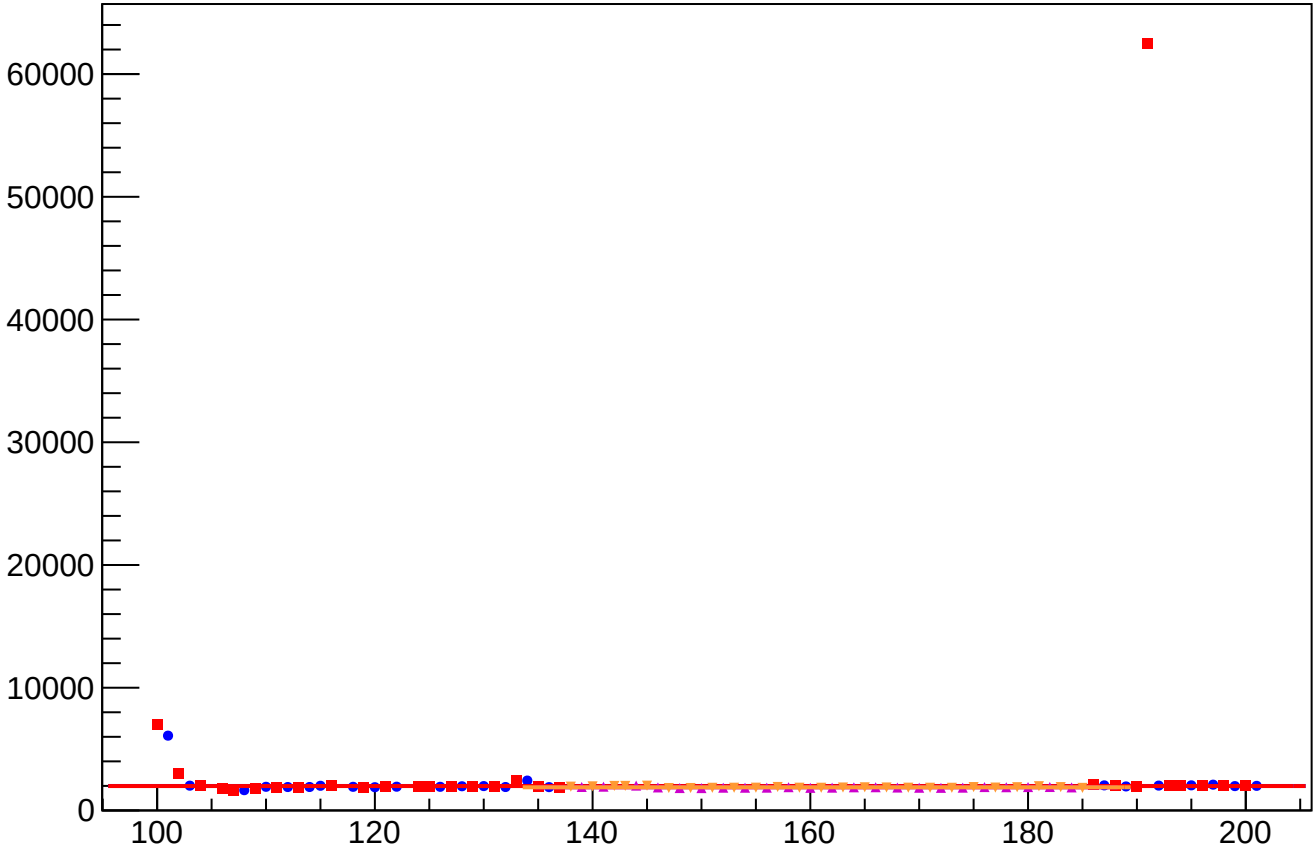
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2271.128+/-343.888 χ^2/NDF: 51.8/47

All: -134.569+/-243.027 χ^2/NDF: 198.0/98

- sign -2534.797+/-343.497 χ^2/NDF: 48.4/50

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: 1987.995+/-0.390 χ^2/NDF: 417104.5/27

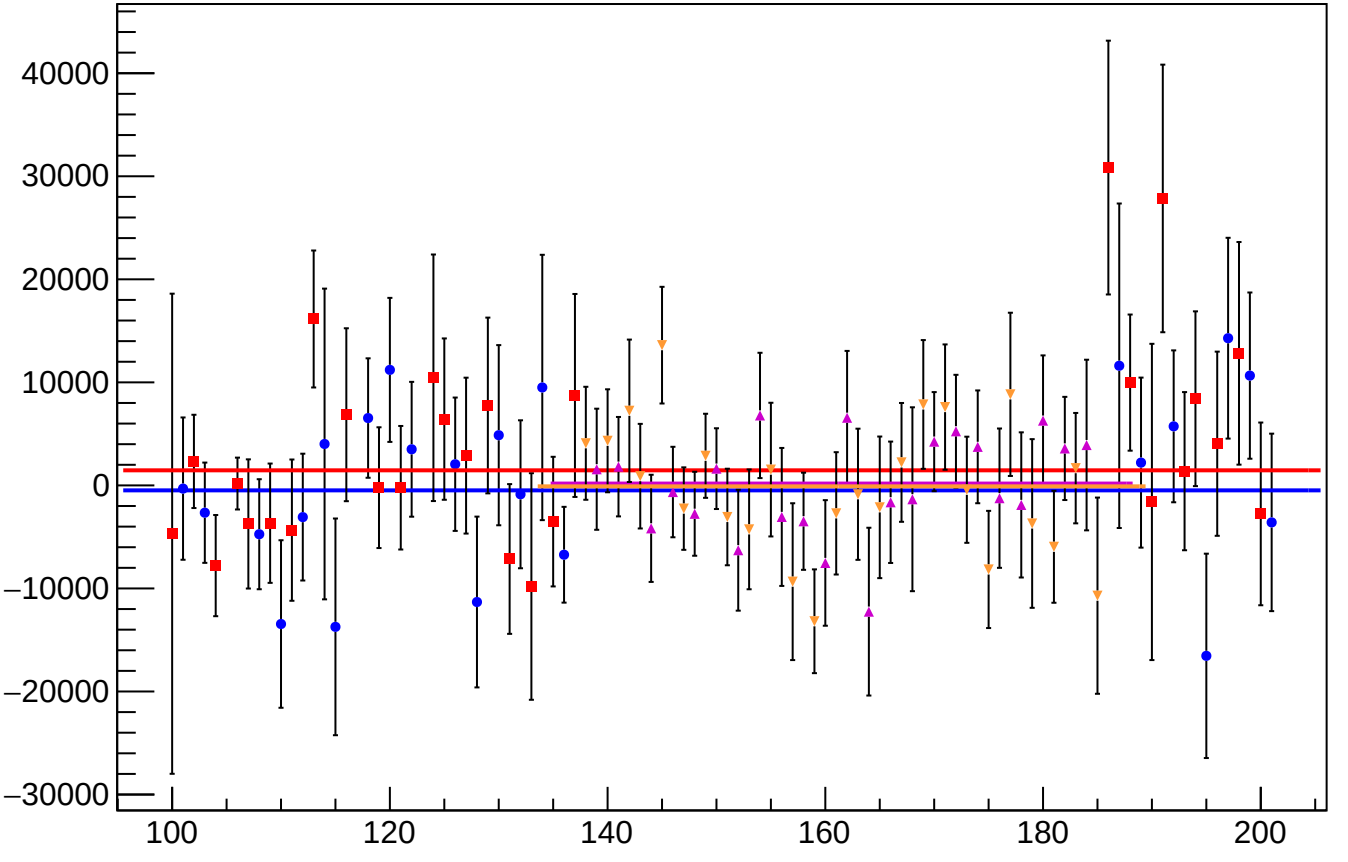
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1925.592+/-0.243 χ^2/NDF: 749243.5/47

All: 1923.956+/-0.172 χ^2/NDF: 1231967.6/98

- sign 1922.325+/-0.243 χ^2/NDF: 482633.8/50

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: 1463.067+/-1247.899 χ^2/NDF: 30.3/27

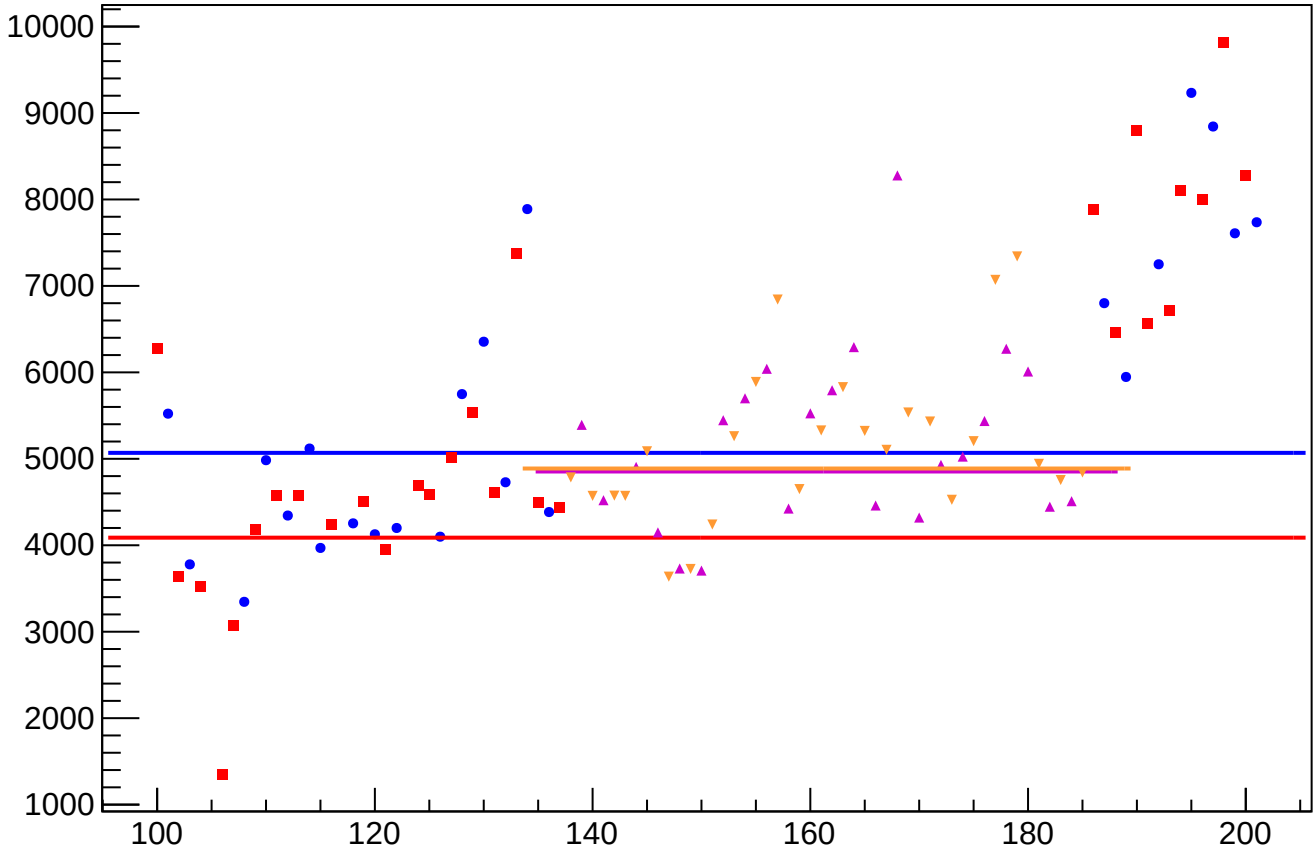
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -231.887+/-907.029 χ^2/NDF: 51.0/47

All: 303.235+/-619.471 χ^2/NDF: 96.1/98

- sign 771.047+/-848.069 χ^2/NDF: 44.5/50

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: 4087.939+/-0.882 χ^2/NDF: 5611388.1/27

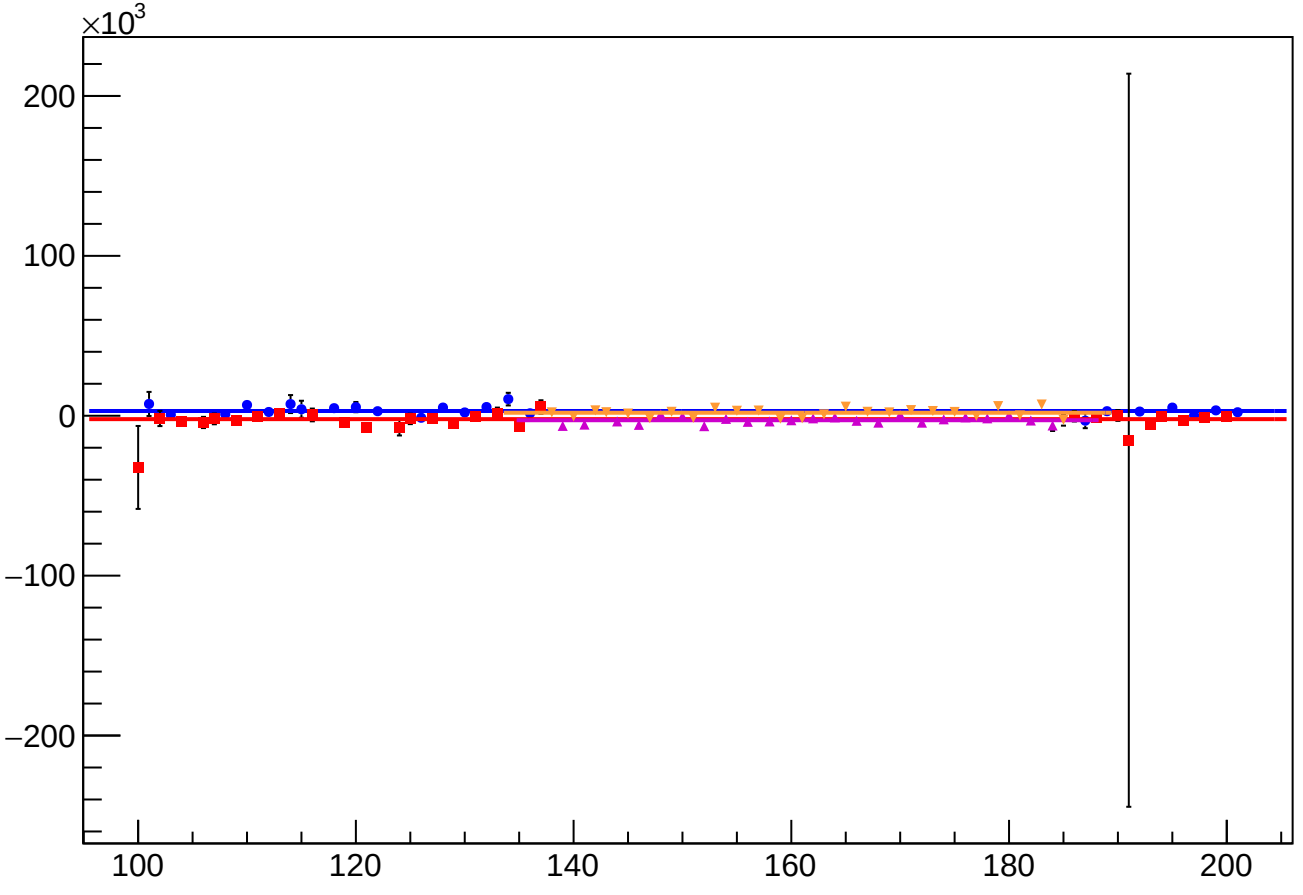
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4952.900+/-0.641 χ^2/NDF: 3110670.9/47

All: 4711.173+/-0.438 χ^2/NDF: 10571855.1/9

- sign 4499.850+/-0.600 χ^2/NDF: 7194952.1/50

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: -2119.695+/-551.151 χ^2/NDF: 22.0/27

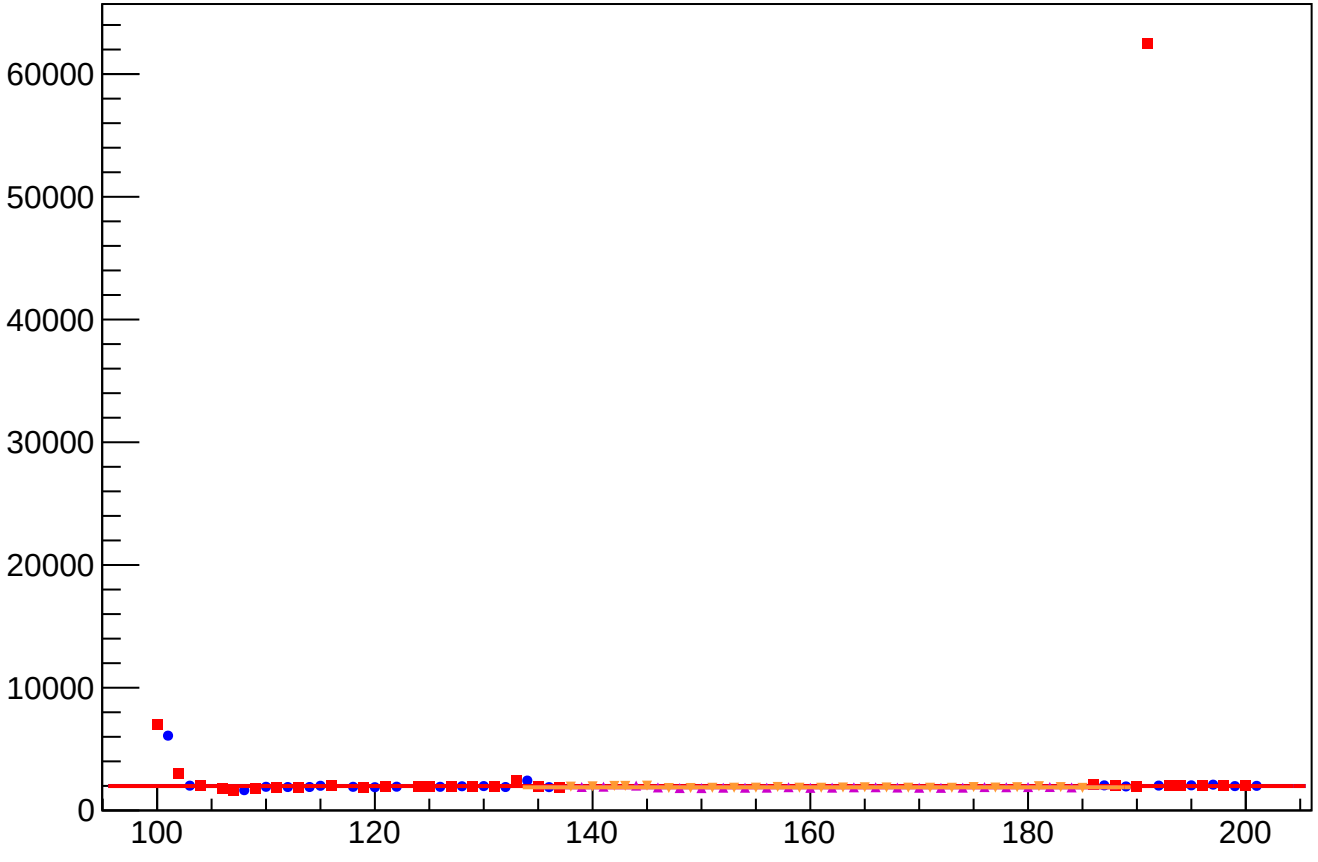
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2271.125+/-343.888 χ^2/NDF: 51.8/47

All: -134.570+/-243.027 χ^2/NDF: 198.0/98

- sign -2534.798+/-343.497 χ^2/NDF: 48.4/50

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

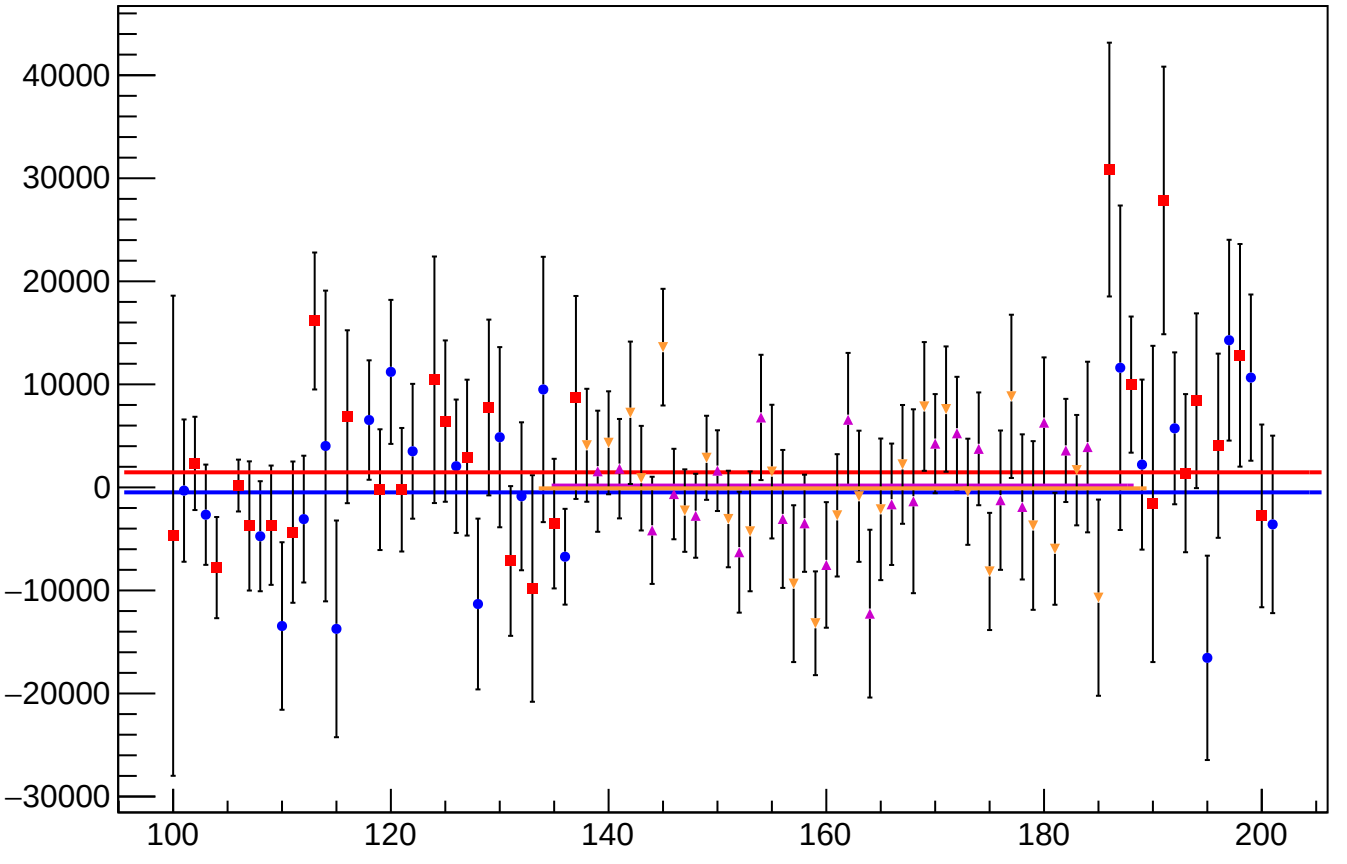
Right Out: 1987.995+/-0.390 χ^2/NDF: 417104.0/27

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1925.592+/-0.243 χ^2/NDF: 749242.8/47

All: 1923.956+/-0.172 χ^2/NDF: 1231965.8/98

- sign 1922.325+/-0.243 χ^2/NDF: 482632.6/50



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: 1463.062+/-1247.897 χ^2/NDF: 30.3/27

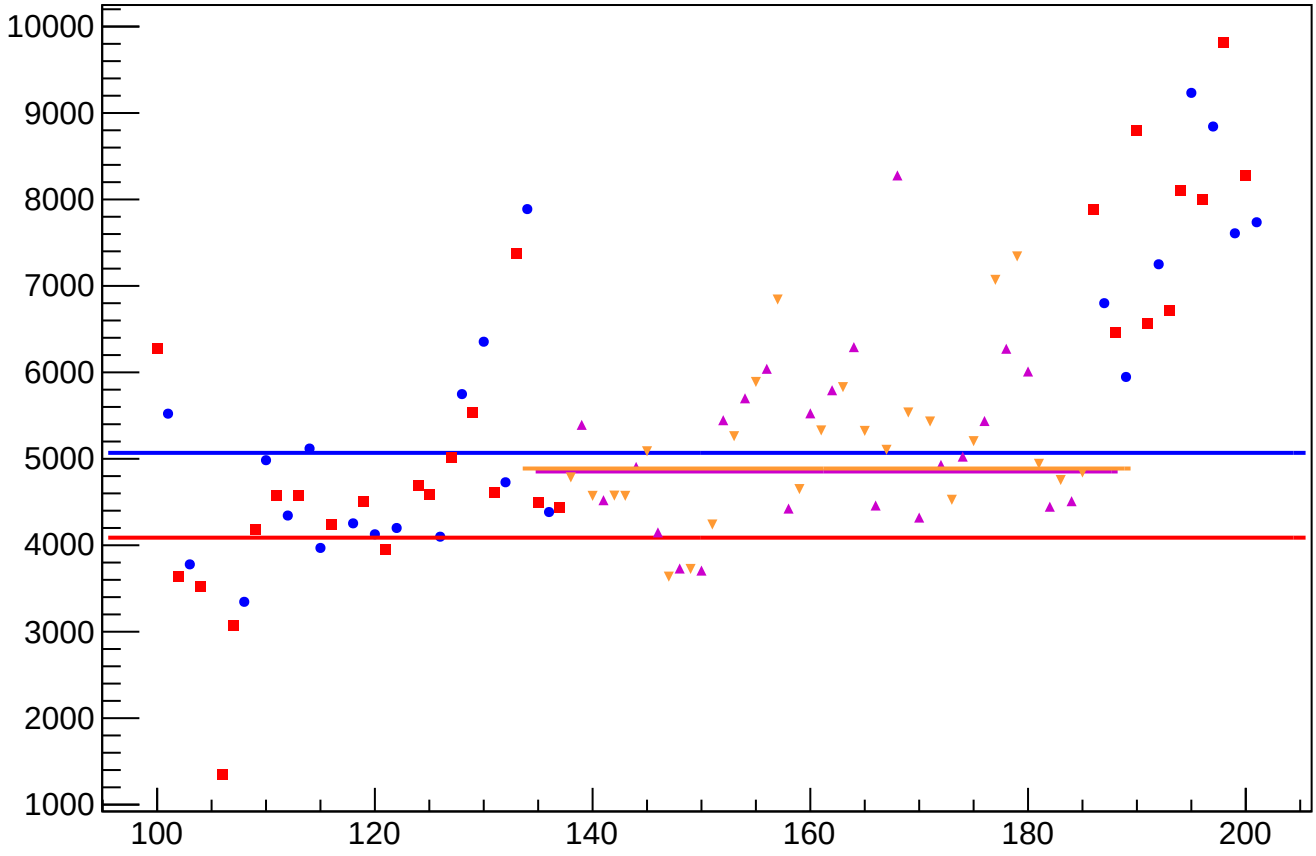
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -231.885+/-907.030 χ^2/NDF: 51.0/47

All: 303.236+/-619.471 χ^2/NDF: 96.1/98

- sign 771.048+/-848.069 χ^2/NDF: 44.5/50

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: 4087.929+/-0.882 χ^2/NDF: 5611411.6/27

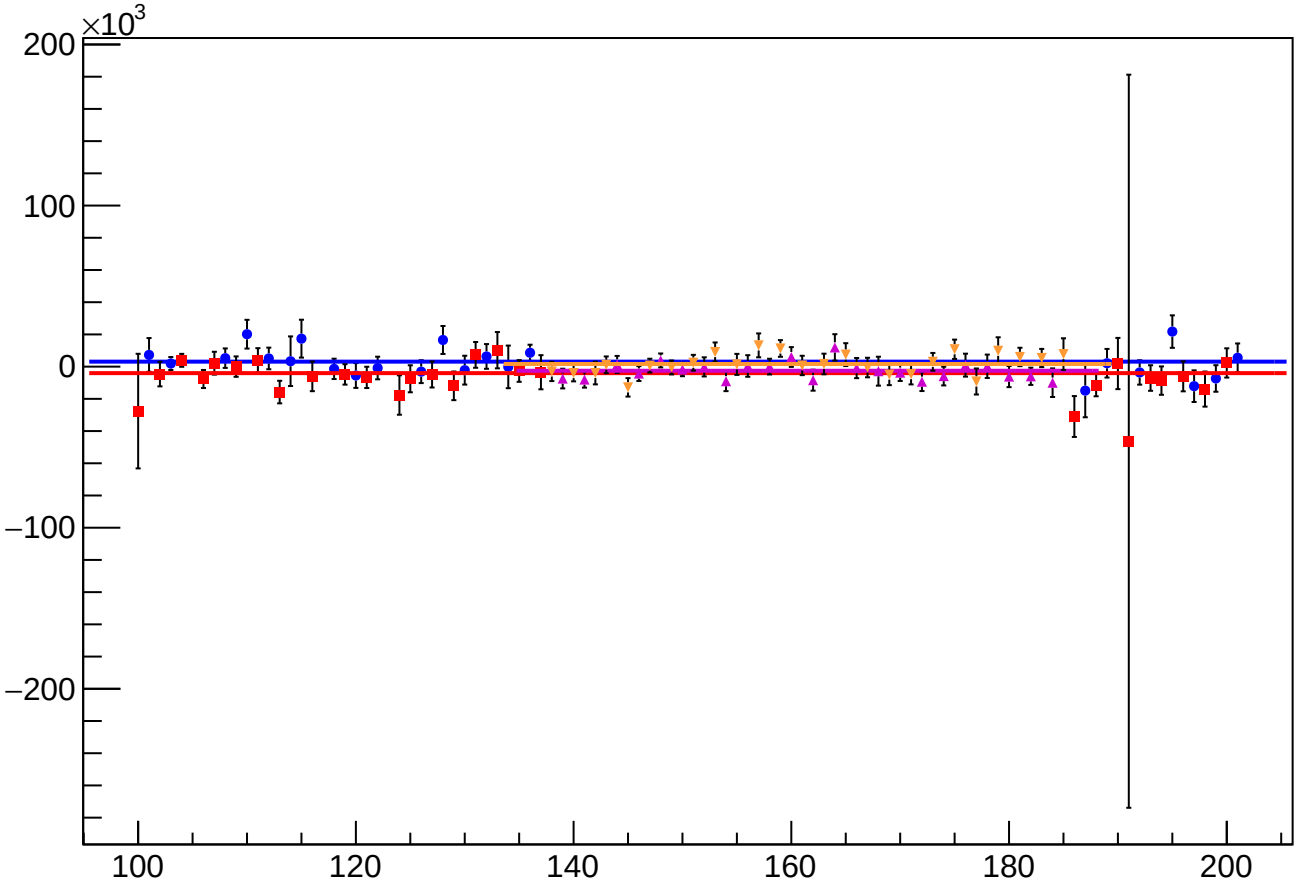
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4952.903+/-0.641 χ^2/NDF: 3110681.7/47

All: 4711.173+/-0.438 χ^2/NDF: 10571914.5/9

- sign 4499.848+/-0.600 χ^2/NDF: 7194995.9/50

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: -4028.409+/-1491.056 χ^2/NDF: 23.6/27

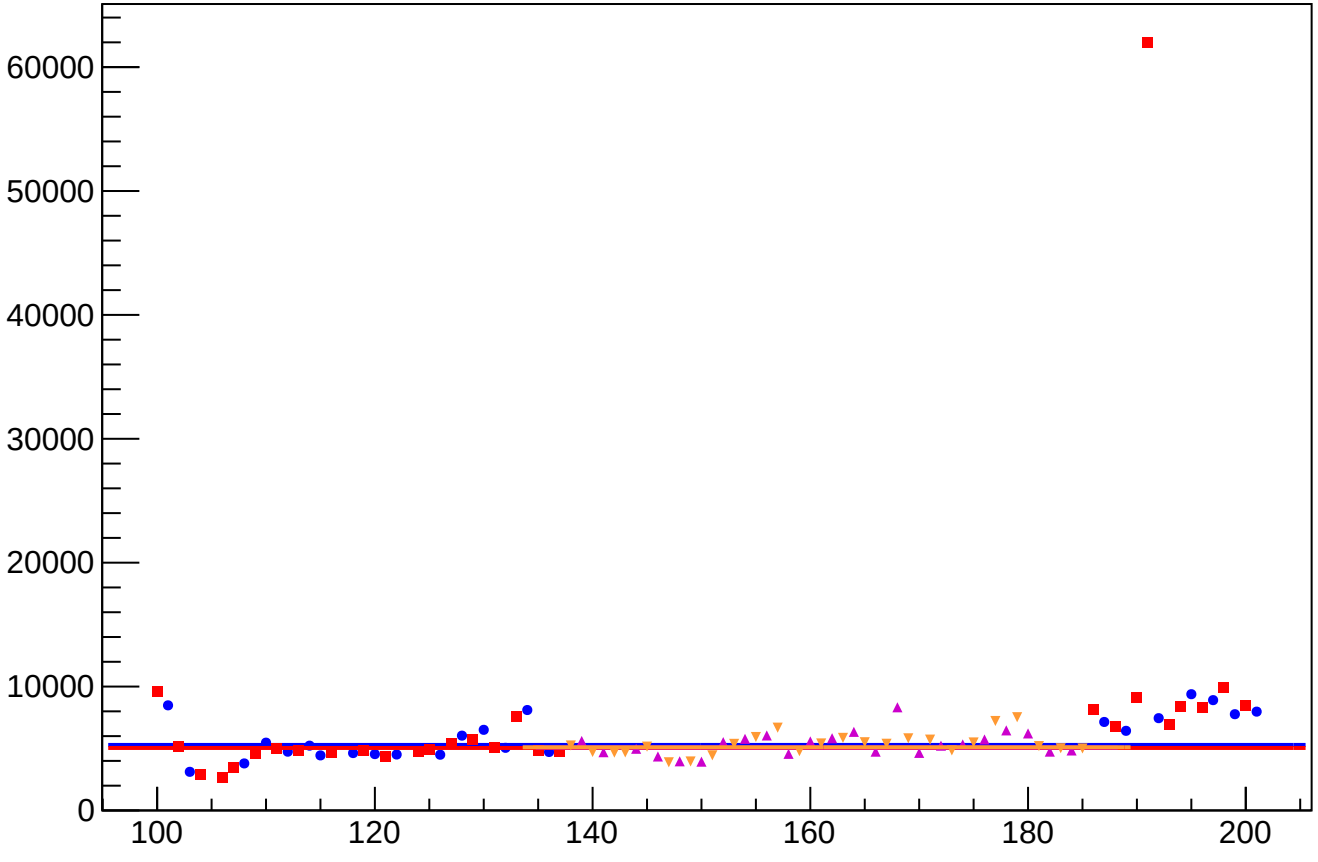
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2168.957+/-946.541 χ^2/NDF: 48.6/47

All: -513.565+/-665.888 χ^2/NDF: 104.7/98

- sign -3141.999+/-936.949 χ^2/NDF: 40.1/50

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: 5044.256+/-1.047 χ^2/NDF: 3156134.3/27

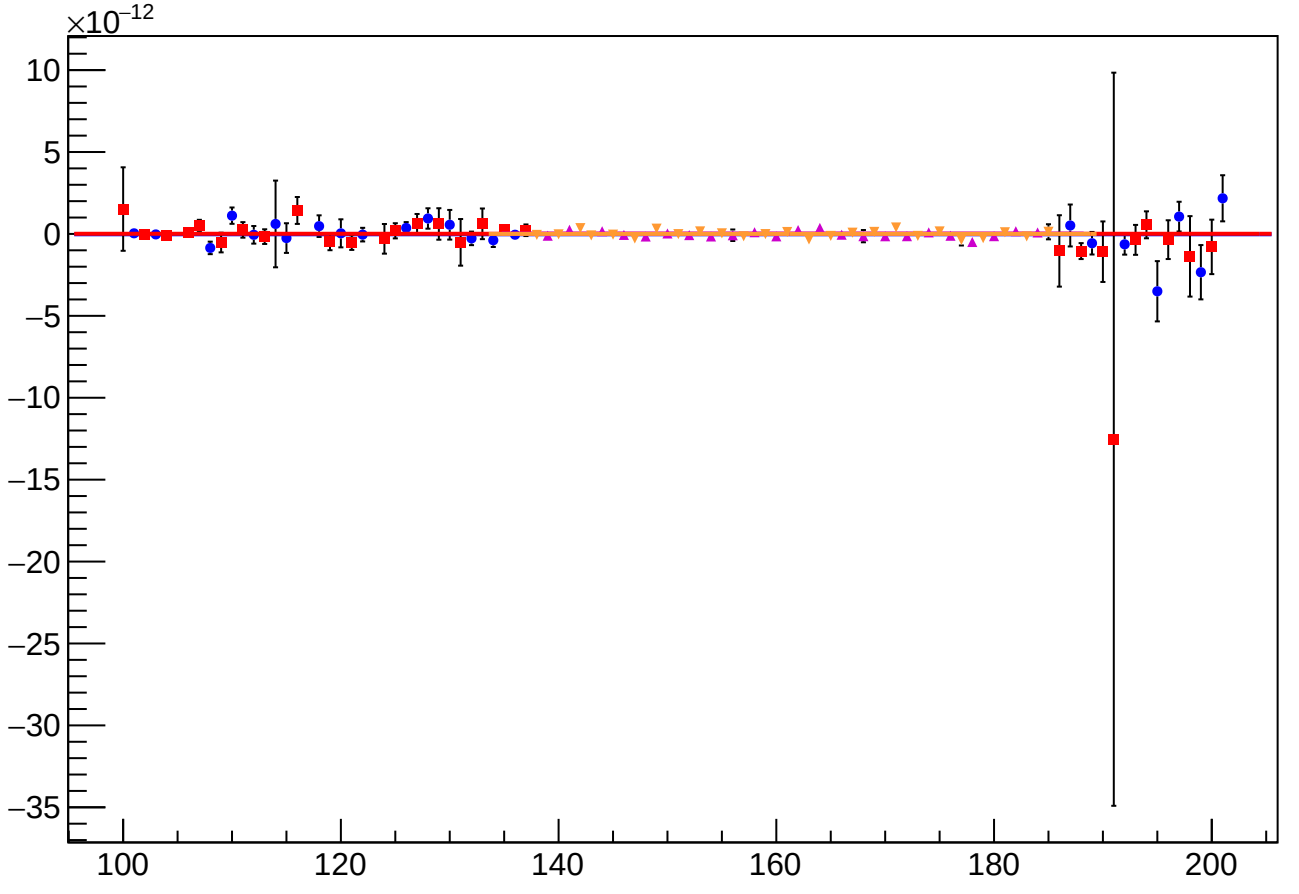
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5167.430+/-0.669 χ^2/NDF: 3288502.2/47

All: 5113.973+/-0.470 χ^2/NDF: 7449617.9/98

- sign 5061.882+/-0.661 χ^2/NDF: 4148520.6/50

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

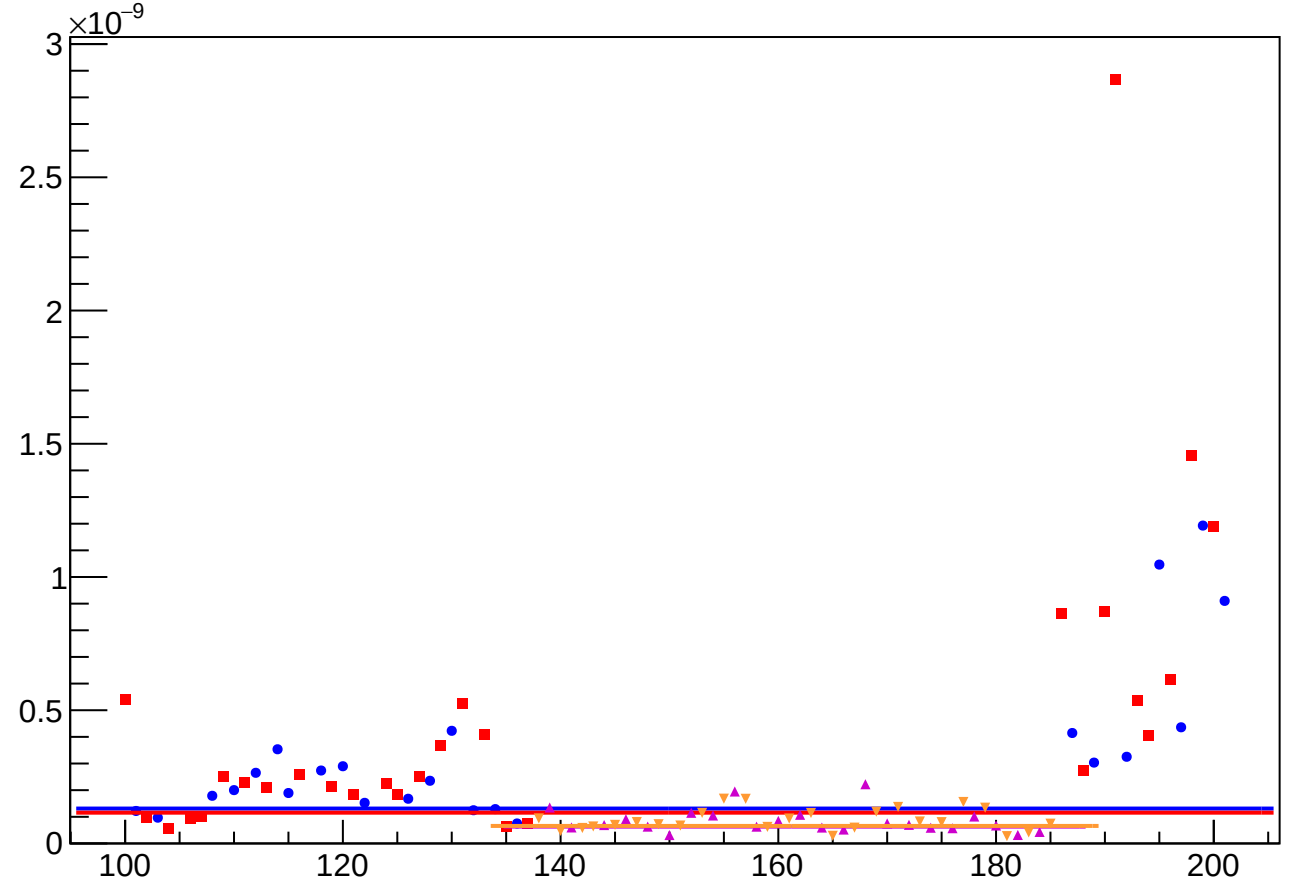
Right Out: 0.000+/-0.000 χ^2/NDF: 22.0/27

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: 115.1/98

- sign 0.000+/-0.000 χ^2/NDF: 54.4/50



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: 5204653.8/27

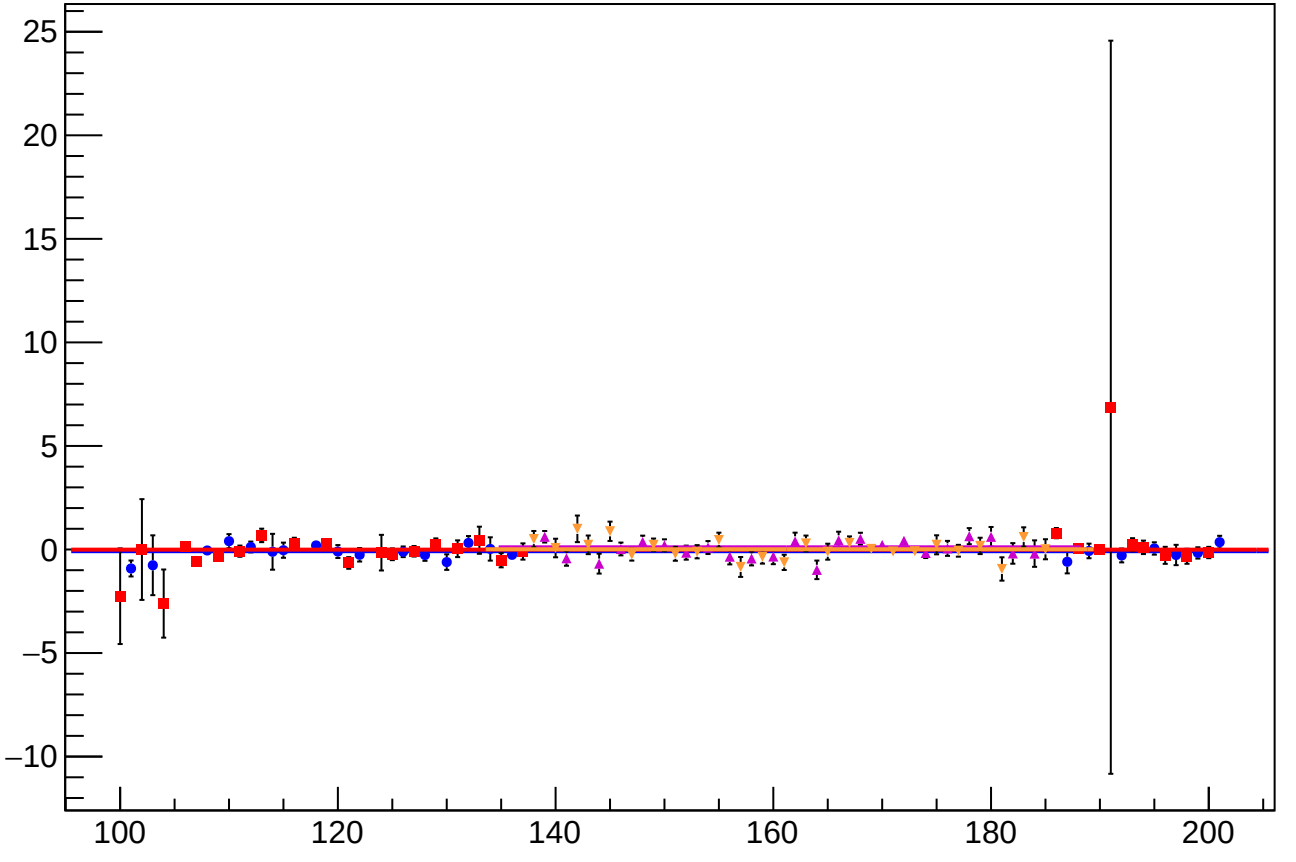
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7580338.4/47

All: 0.000+/-0.000 χ^2/NDF: 15945515.7/98

- sign 0.000+/-0.000 χ^2/NDF: 8344570.0/50

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: -0.008+/-0.054 χ^2/NDF: 42.3/27

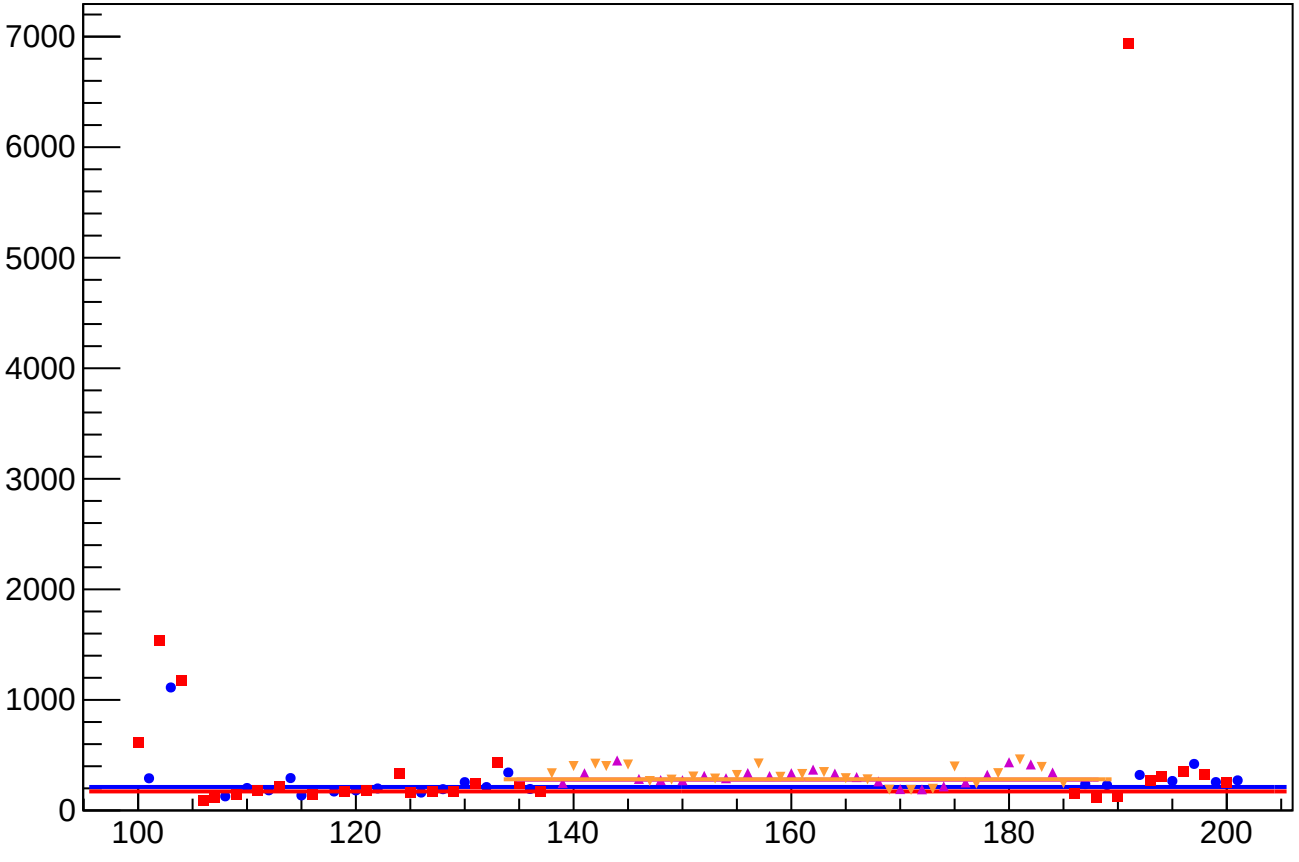
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.047 χ^2/NDF: 43.7/47

All: 0.003+/-0.032 χ^2/NDF: 120.4/98

- sign 0.036+/-0.043 χ^2/NDF: 75.4/50

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: 172.117+/-0.038 χ^2/NDF: 4829338.1/27

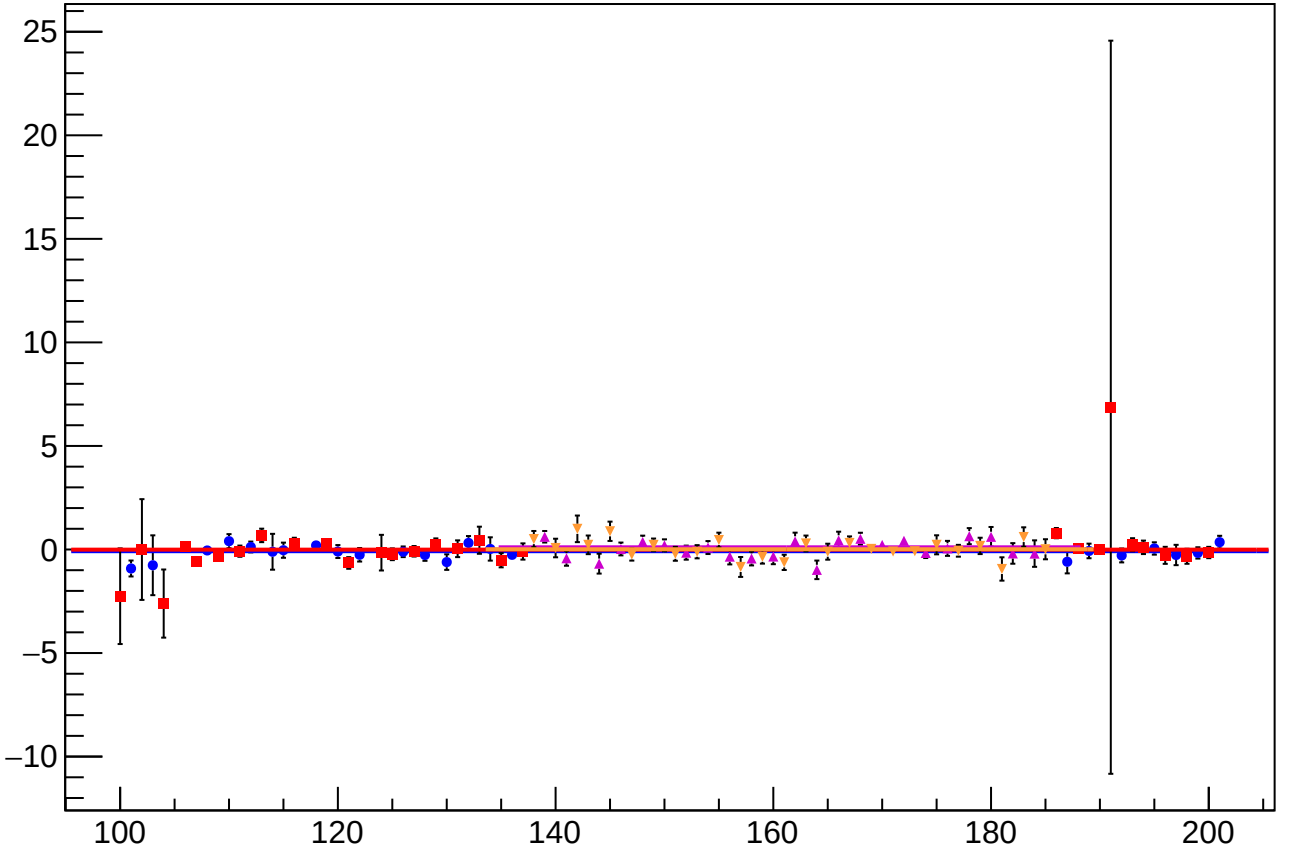
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 246.131+/-0.034 χ^2/NDF: 6005090.4/47

All: 227.735+/-0.022 χ^2/NDF: 16135669.0/98

- sign 212.937+/-0.030 χ^2/NDF: 9586915.2/50

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: -0.008+/-0.054 χ^2/NDF: 42.3/27

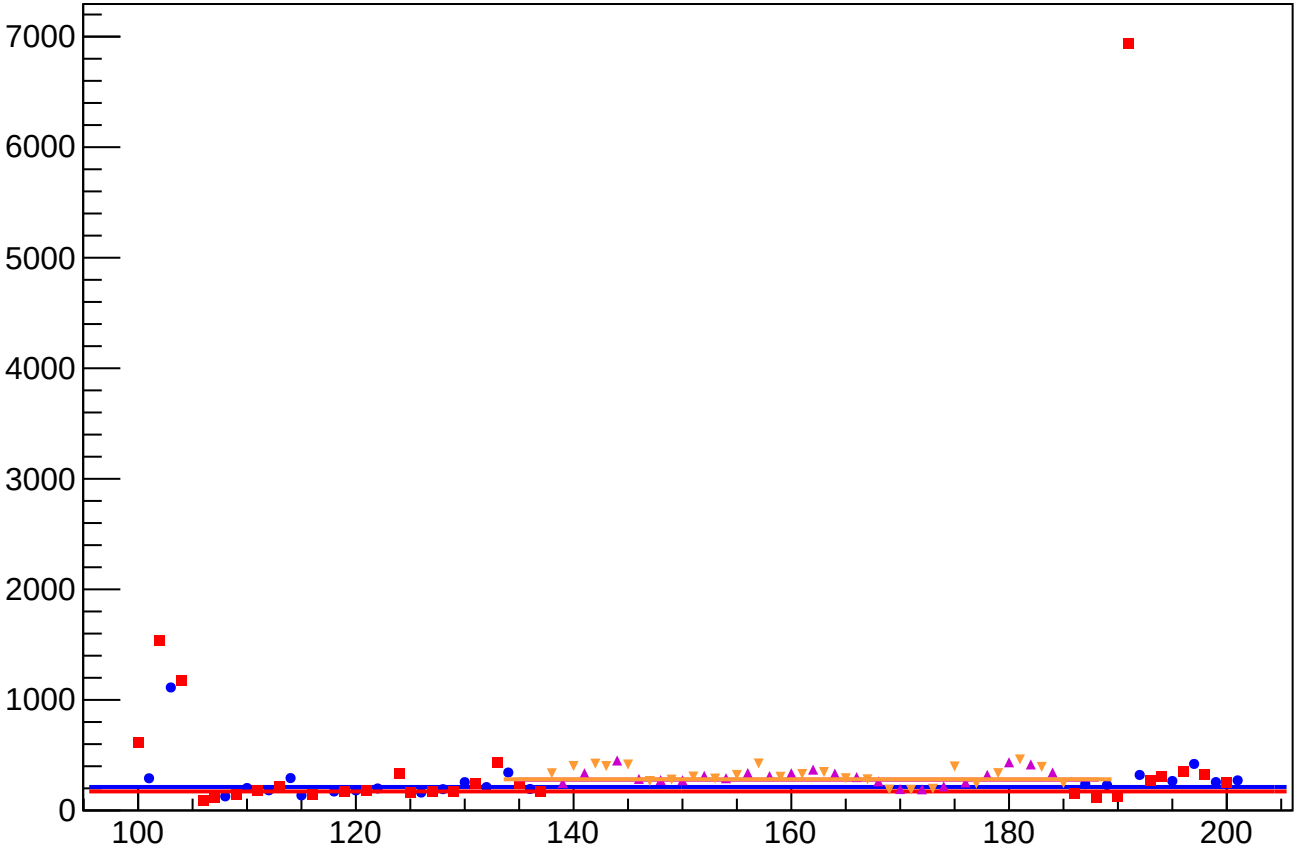
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.047 χ^2/NDF: 43.7/47

All: 0.003+/-0.032 χ^2/NDF: 120.4/98

- sign 0.036+/-0.043 χ^2/NDF: 75.4/50

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

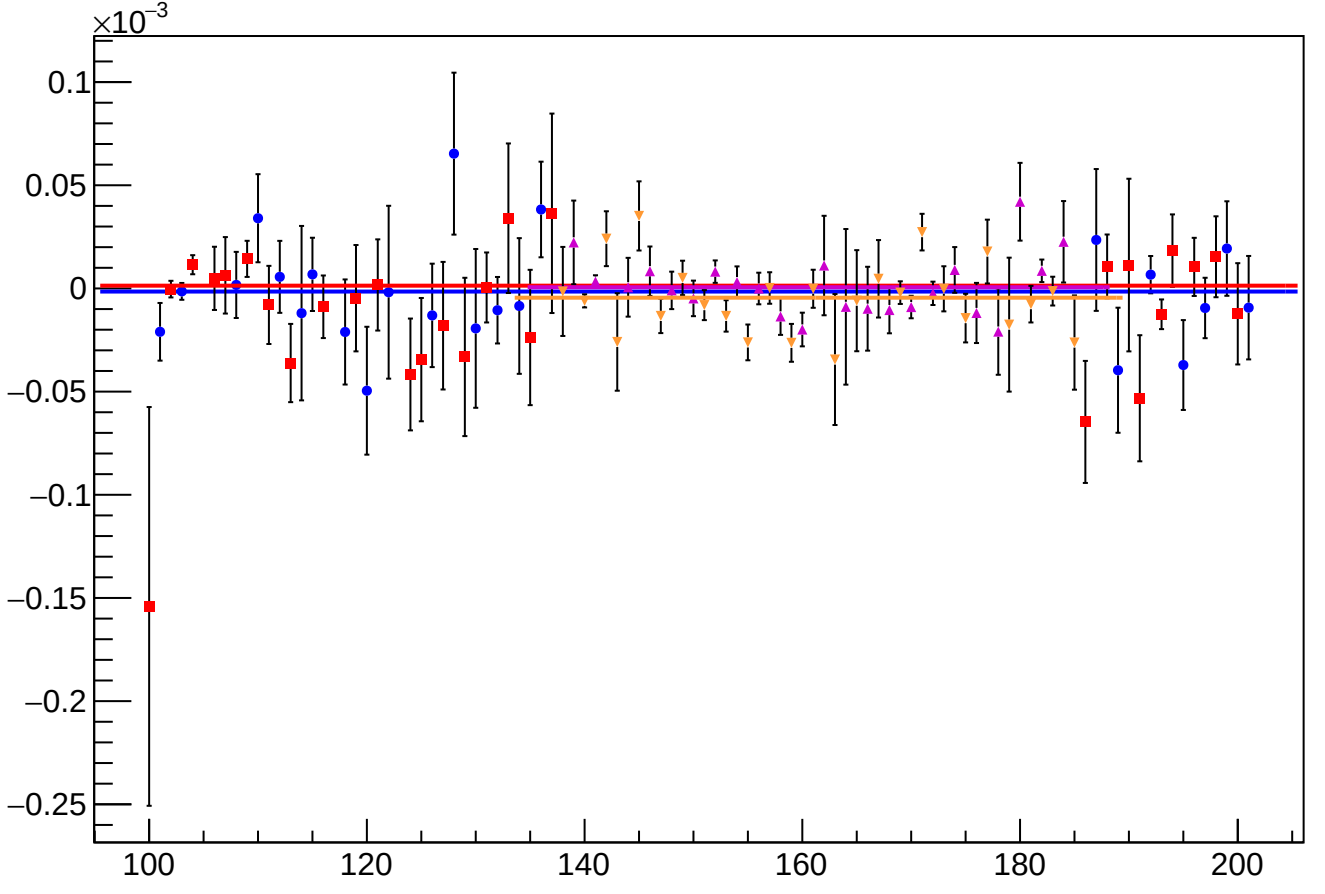
Right Out: 172.117+/-0.038 χ^2/NDF: 4829338.1/27

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 246.131+/-0.034 χ^2/NDF: 6005090.4/47

All: 227.735+/-0.022 χ^2/NDF: 16135669.0/98

- sign 212.937+/-0.030 χ^2/NDF: 9586915.2/50



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: 36.2/27

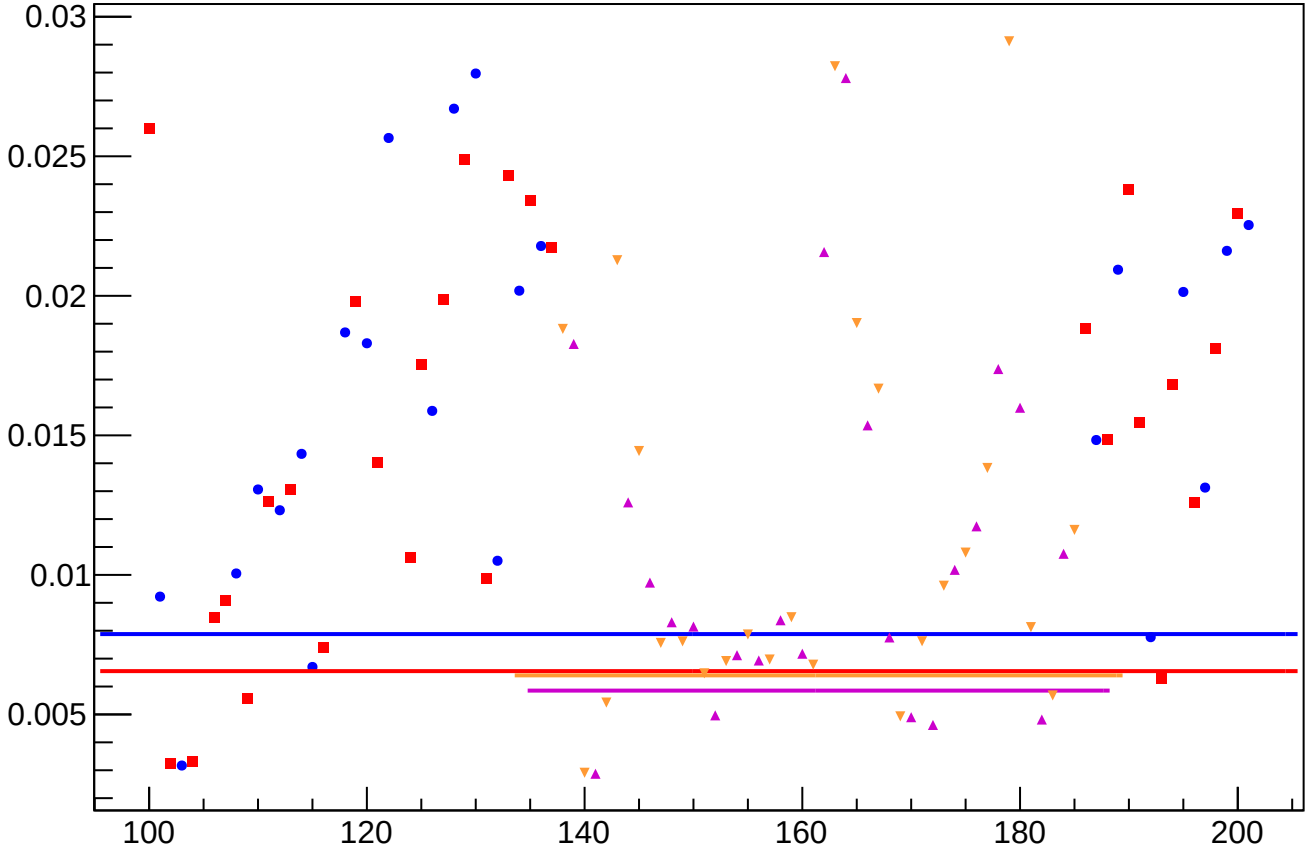
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.8/47

All: -0.000+/-0.000 χ^2/NDF: 139.4/98

- sign 0.000+/-0.000 χ^2/NDF: 65.3/50

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: 10209743.6/27

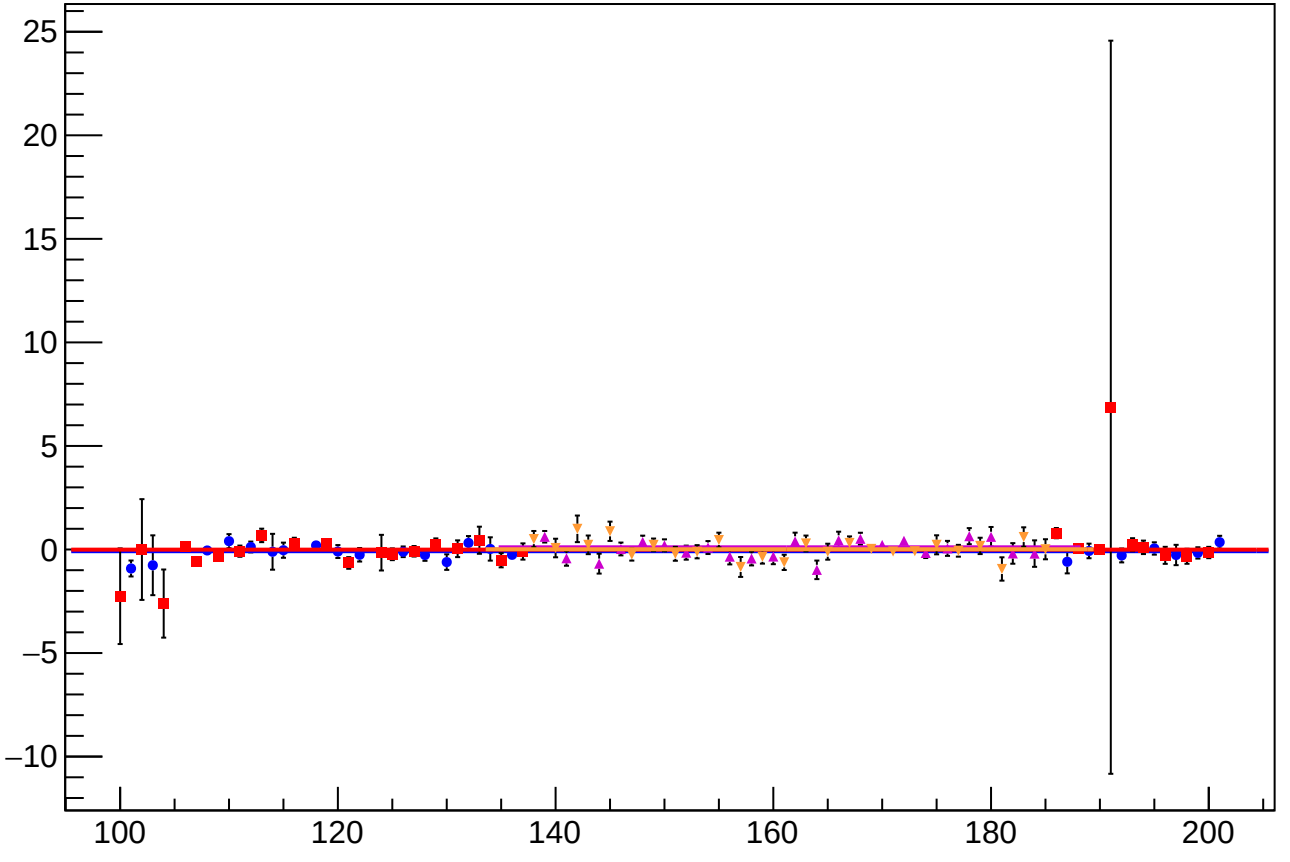
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 18325731.5/47

All: 0.006+/-0.000 χ^2/NDF: 37040257.8/98

- sign 0.006+/-0.000 χ^2/NDF: 18477269.0/50

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: -0.008+/-0.054 χ^2/NDF: 42.3/27

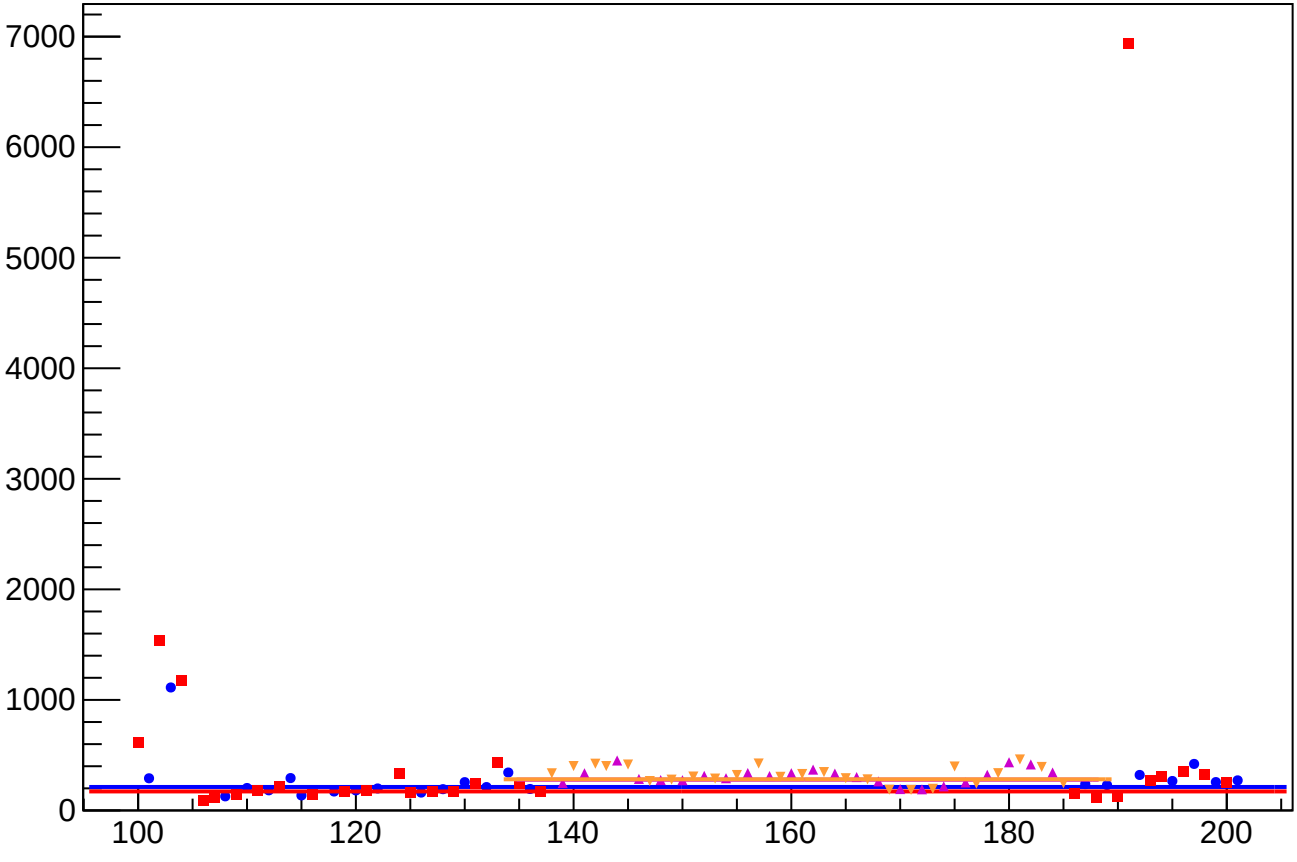
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.047 χ^2/NDF: 43.7/47

All: 0.003+/-0.032 χ^2/NDF: 120.4/98

- sign 0.036+/-0.043 χ^2/NDF: 75.4/50

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: 172.114+/-0.038 χ^2/NDF: 4829466.0/27

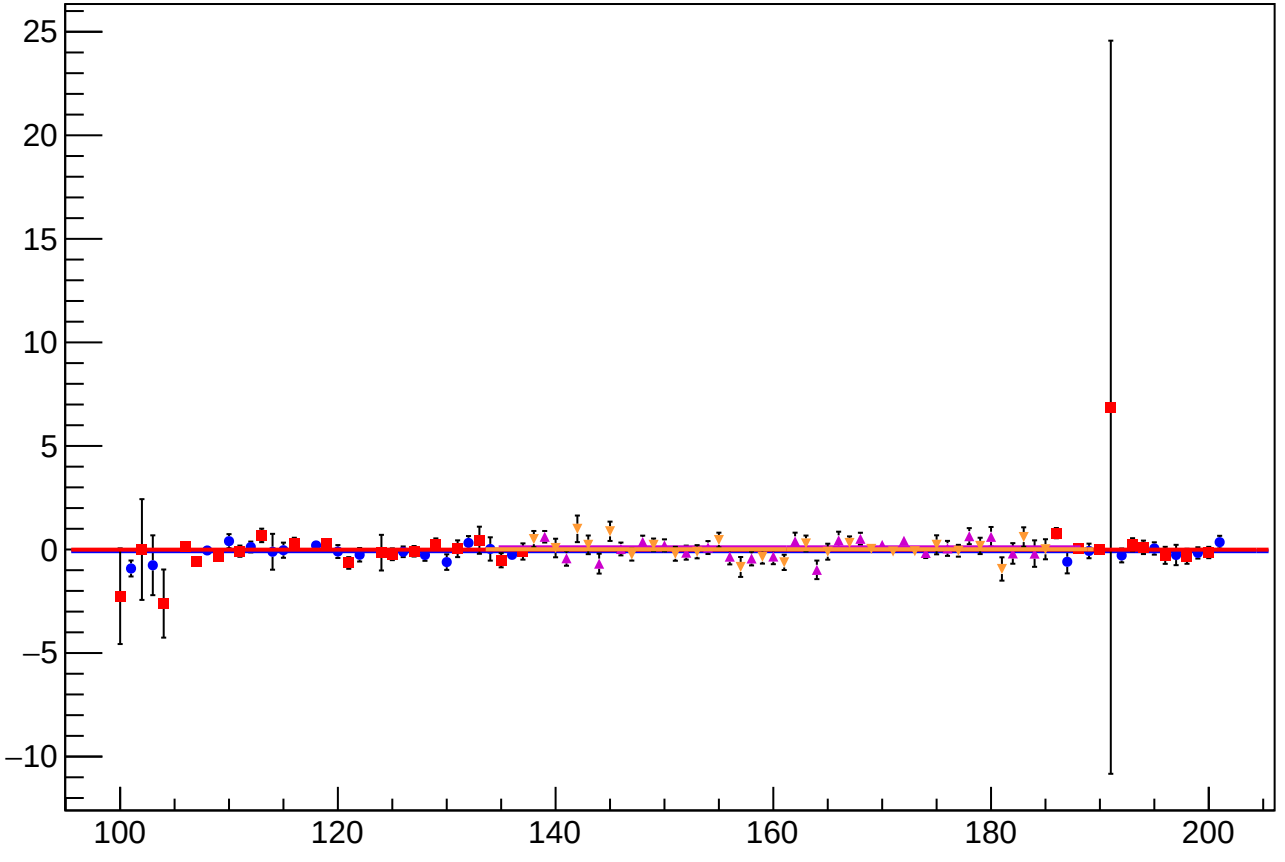
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 246.132+/-0.034 χ^2/NDF: 6005233.4/47

All: 227.734+/-0.022 χ^2/NDF: 16136389.5/98

- sign 212.934+/-0.030 χ^2/NDF: 9587397.9/50

asym_atr_avg_eigen_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: -0.008+/-0.054 χ^2/NDF: 42.3/27

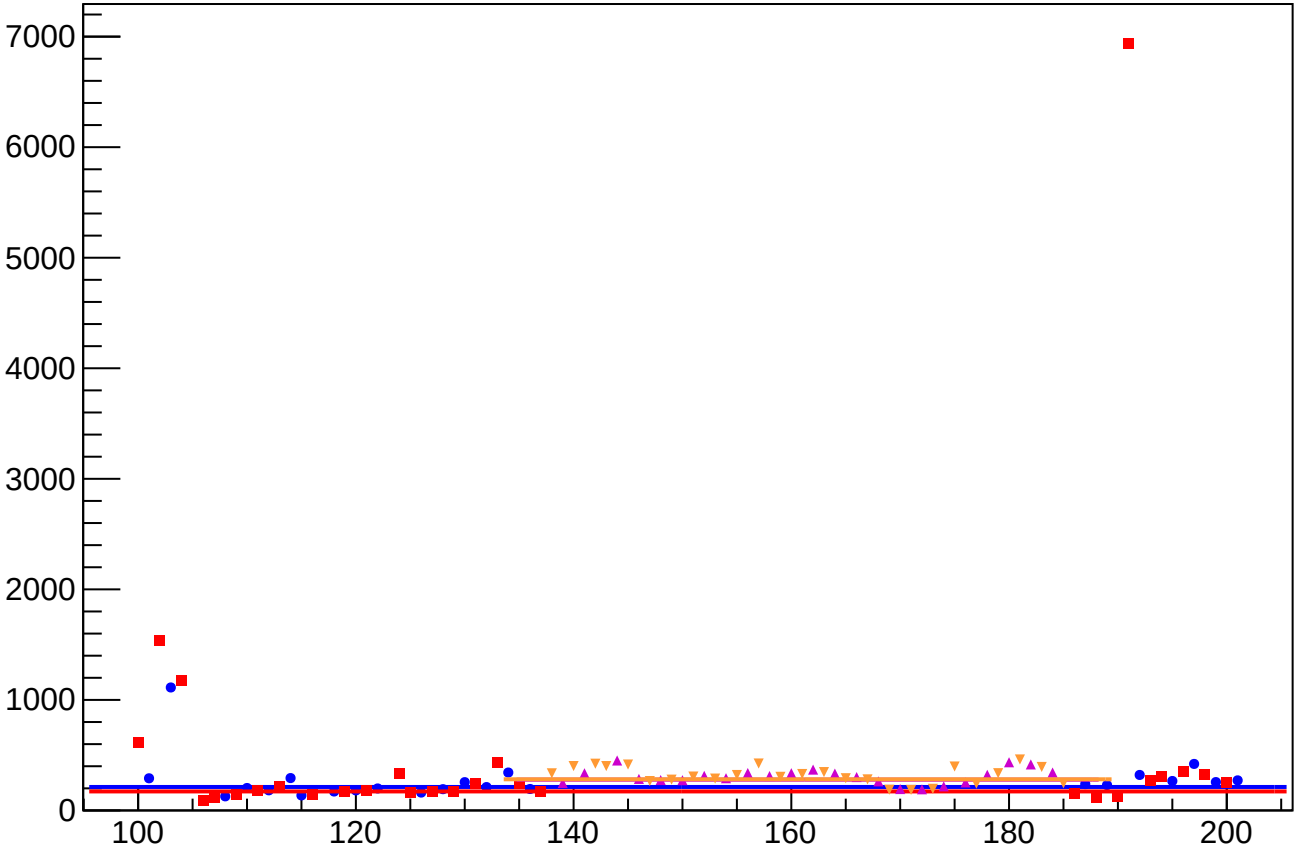
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.047 χ^2/NDF: 43.7/47

All: 0.003+/-0.032 χ^2/NDF: 120.4/98

- sign 0.036+/-0.043 χ^2/NDF: 75.4/50

asym_atr_avg_eigen_dit_vs_eigen_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: 172.114+/-0.038 χ^2/NDF: 4829466.0/27

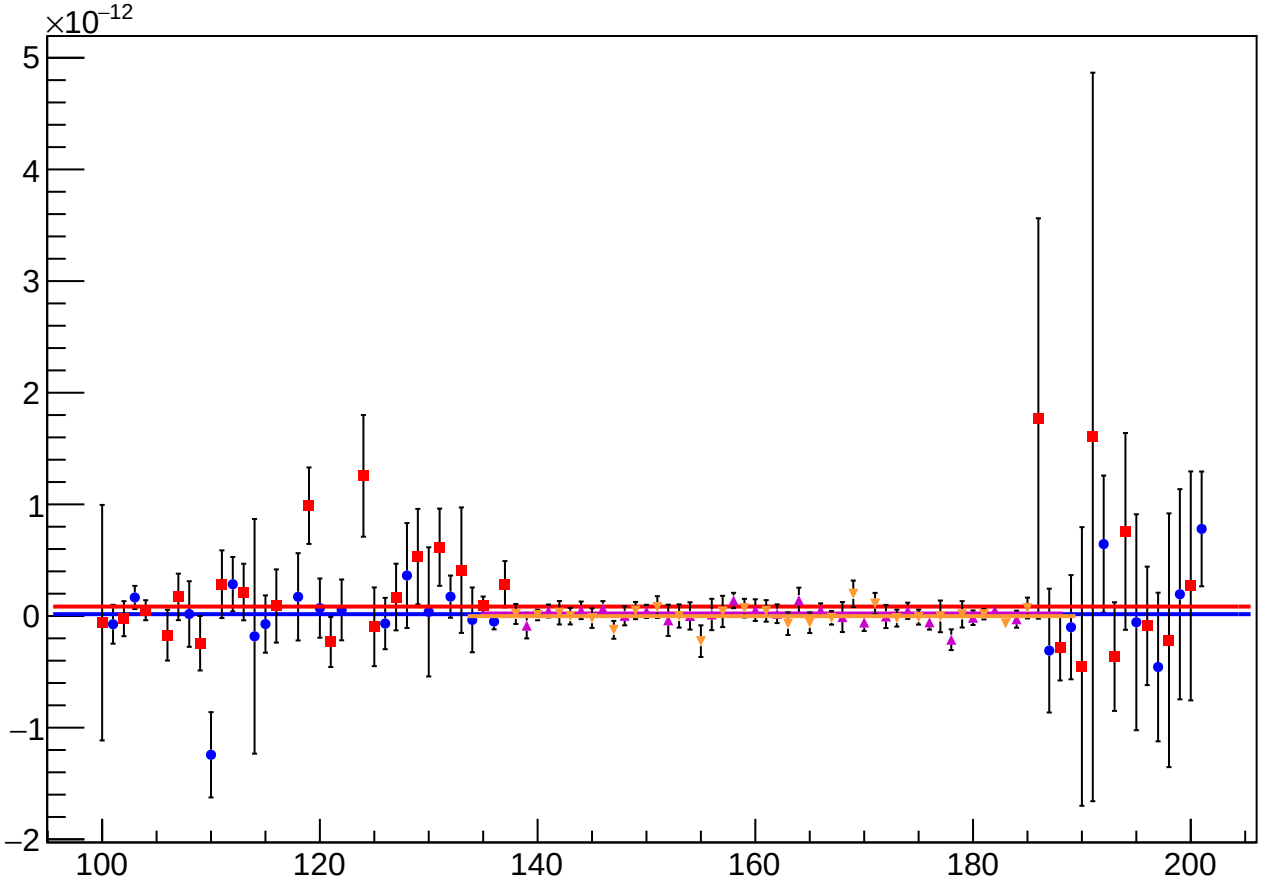
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 246.132+/-0.034 χ^2/NDF: 6005233.4/47

All: 227.734+/-0.022 χ^2/NDF: 16136389.5/98

- sign 212.934+/-0.030 χ^2/NDF: 9587397.9/50

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: 27.8/27

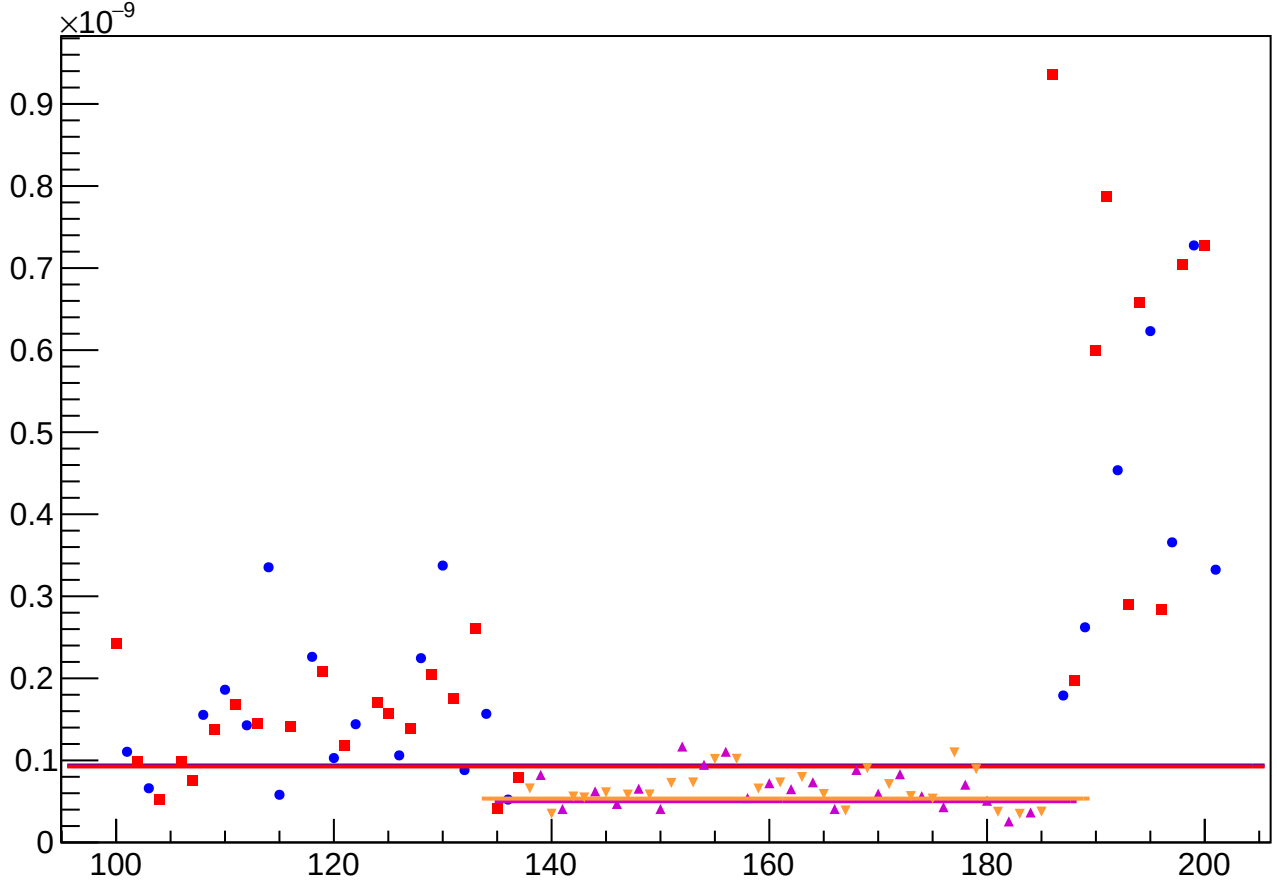
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/47

All: 0.000+/-0.000 χ^2/NDF: 85.1/98

- sign 0.000+/-0.000 χ^2/NDF: 46.4/50

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5472238.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6258435.7/27

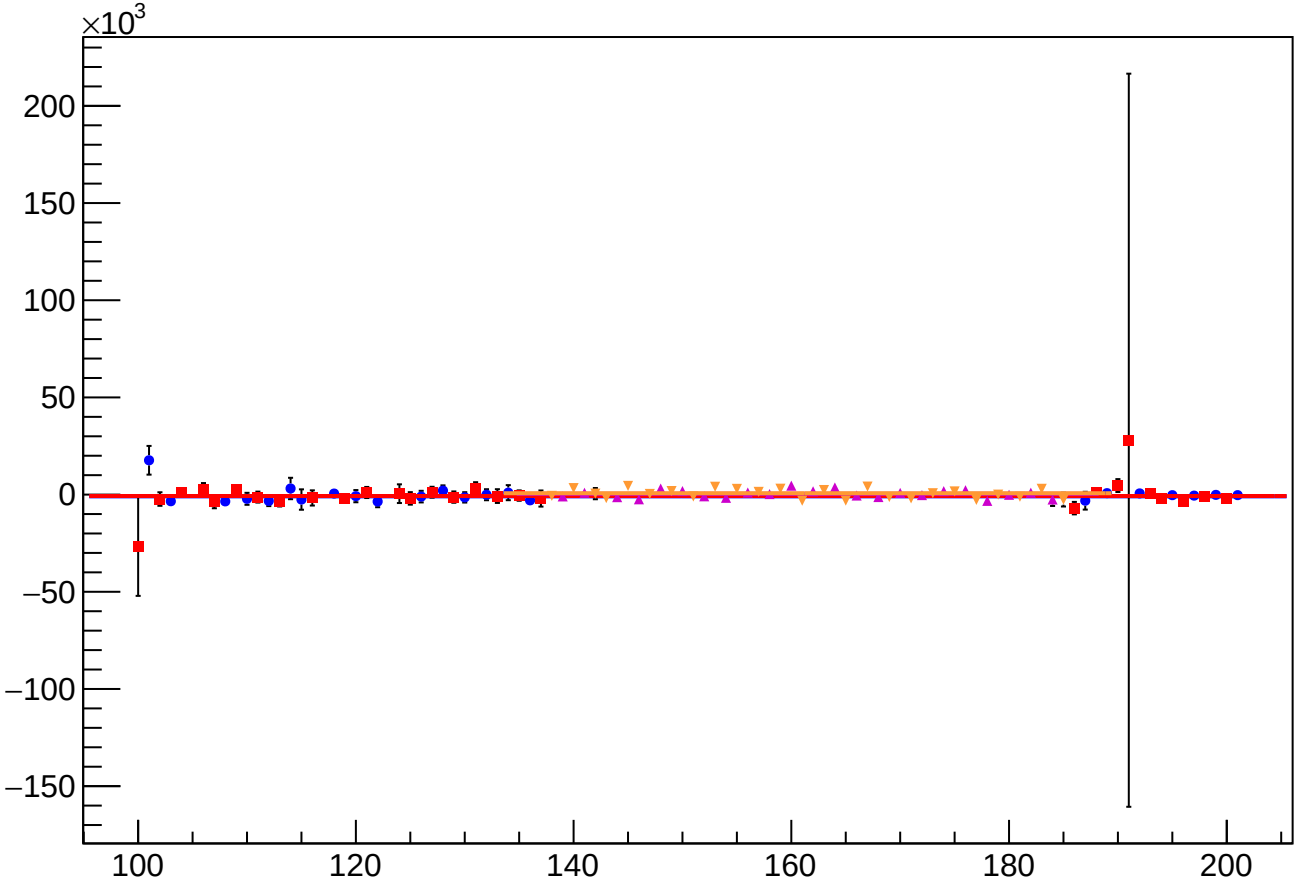
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9700063.3/47

All: 0.000+/-0.000 χ^2/NDF: 21041186.1/98

- sign 0.000+/-0.000 χ^2/NDF: 11299648.7/50

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: -725.423+/-531.679 χ^2/NDF: 19.9/27

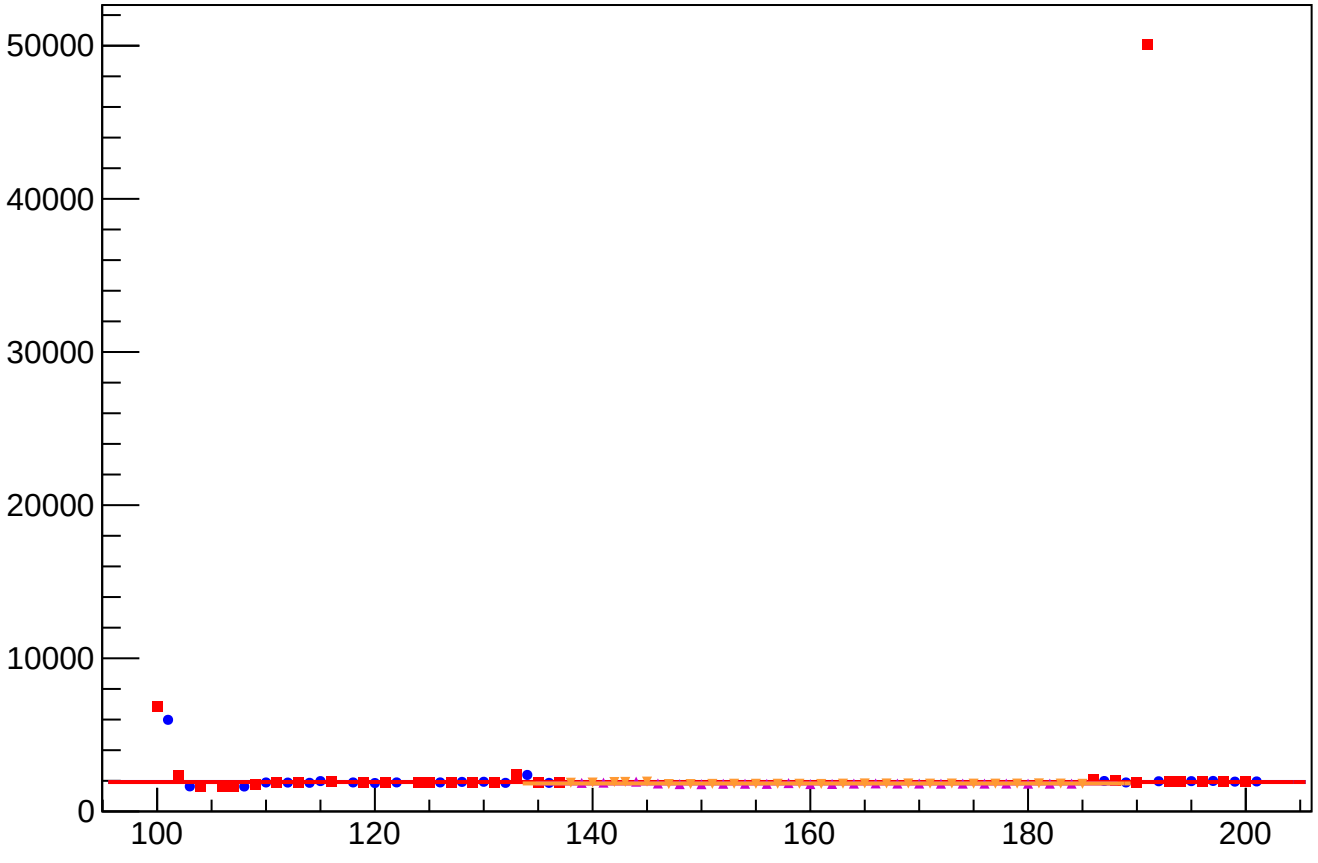
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 129.625+/-332.670 χ^2/NDF: 52.9/47

All: 45.597+/-235.191 χ^2/NDF: 96.4/98

- sign -38.372+/-332.552 χ^2/NDF: 43.4/50

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

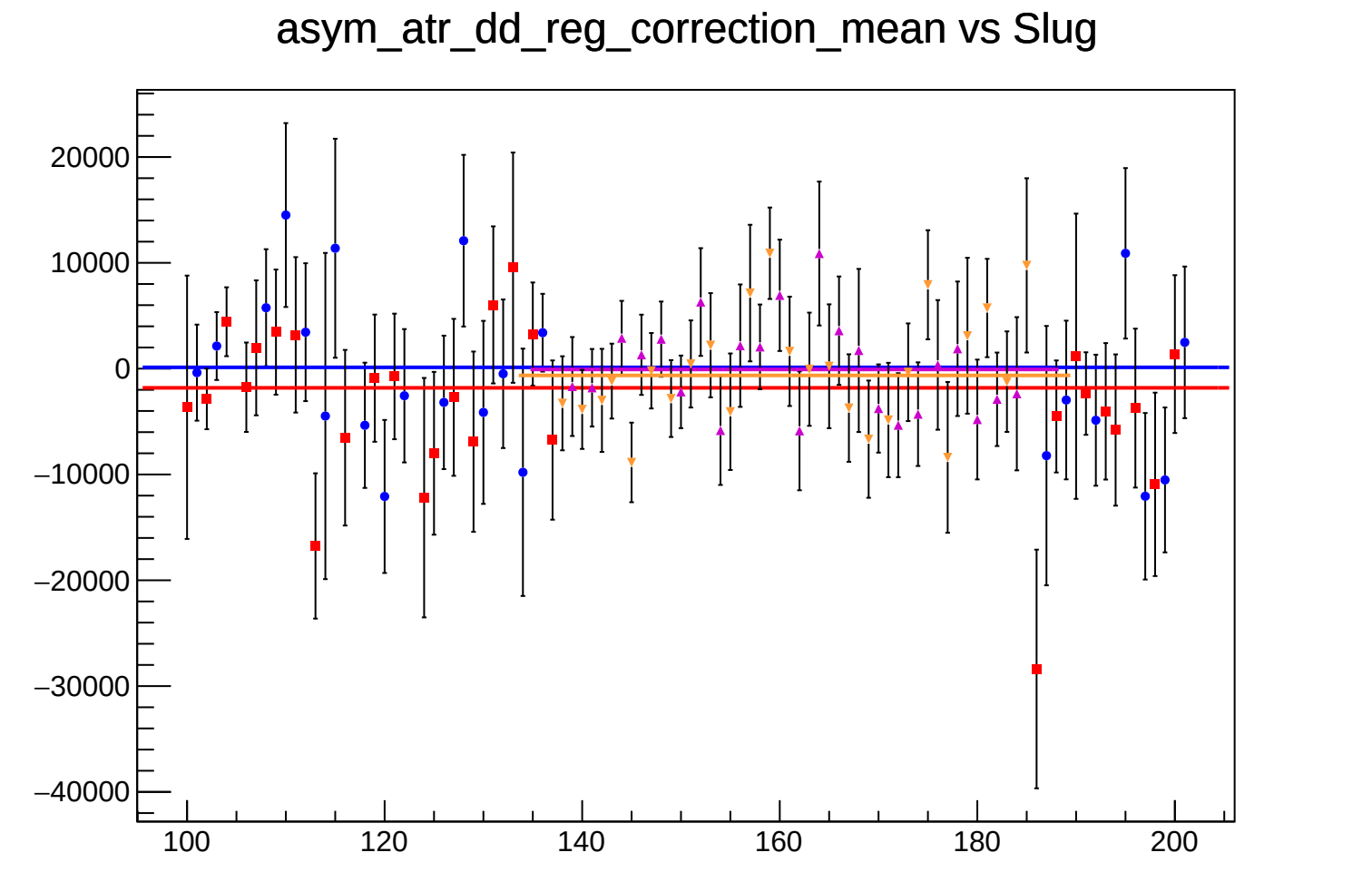
Right Out: 1920.555+/-0.375 χ^2/NDF: 374063.4/27

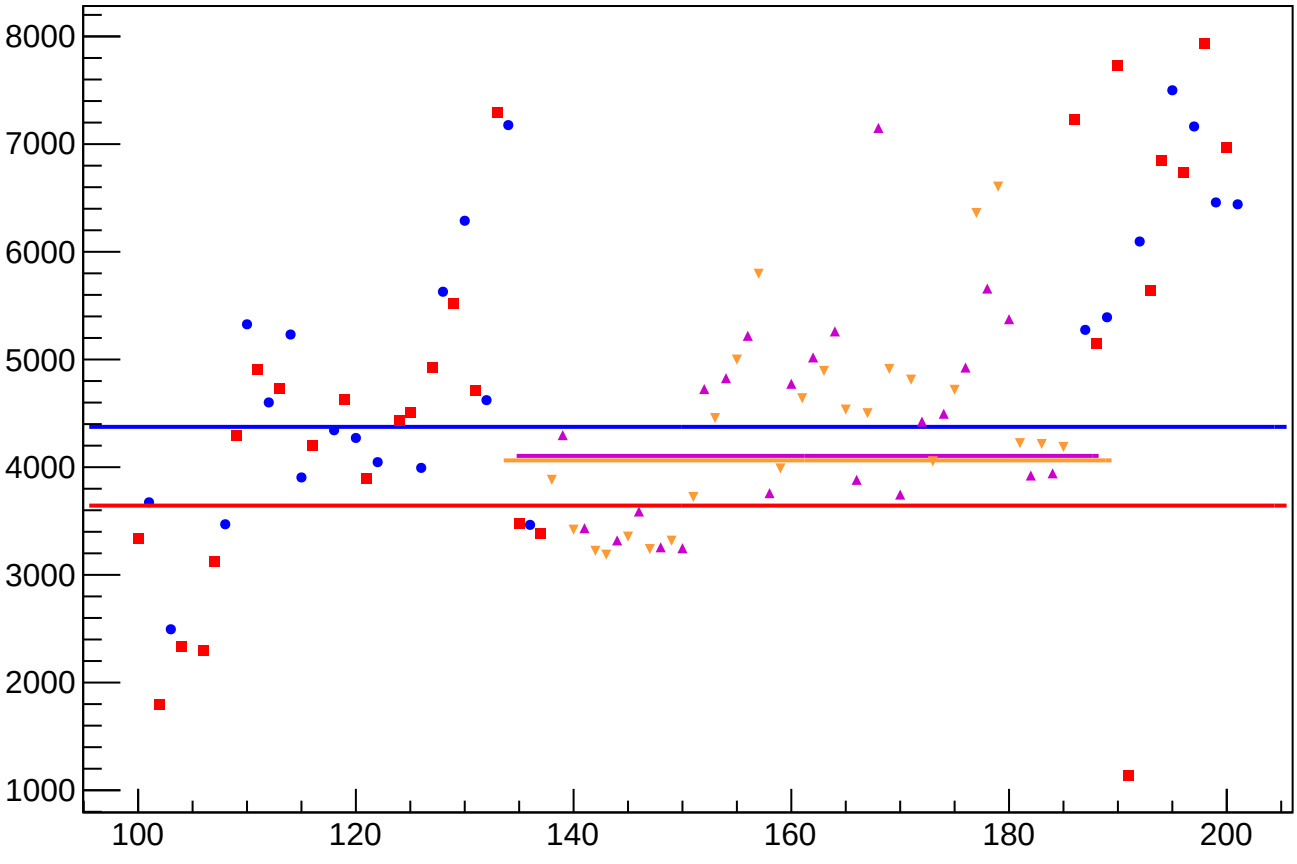
Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1862.819+/-0.235 χ^2/NDF: 763827.0/47

All: 1862.695+/-0.166 χ^2/NDF: 1190536.3/98

- sign 1862.571+/-0.235 χ^2/NDF: 426708.8/50


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: -1813.643+/-1123.176 χ²/NDF: 23.8/27
Left In: -75.764+/-980.243 χ²/NDF:15.4/22
+ sign -377.545+/-768.035 χ²/NDF: 48.0/47
All: -611.150+/-532.346 χ²/NDF: 88.8/98
- sign -827.153+/-738.534 χ²/NDF: 40.6/50



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: 3643.371+/-0.794 χ^2/NDF: 5226898.8/27

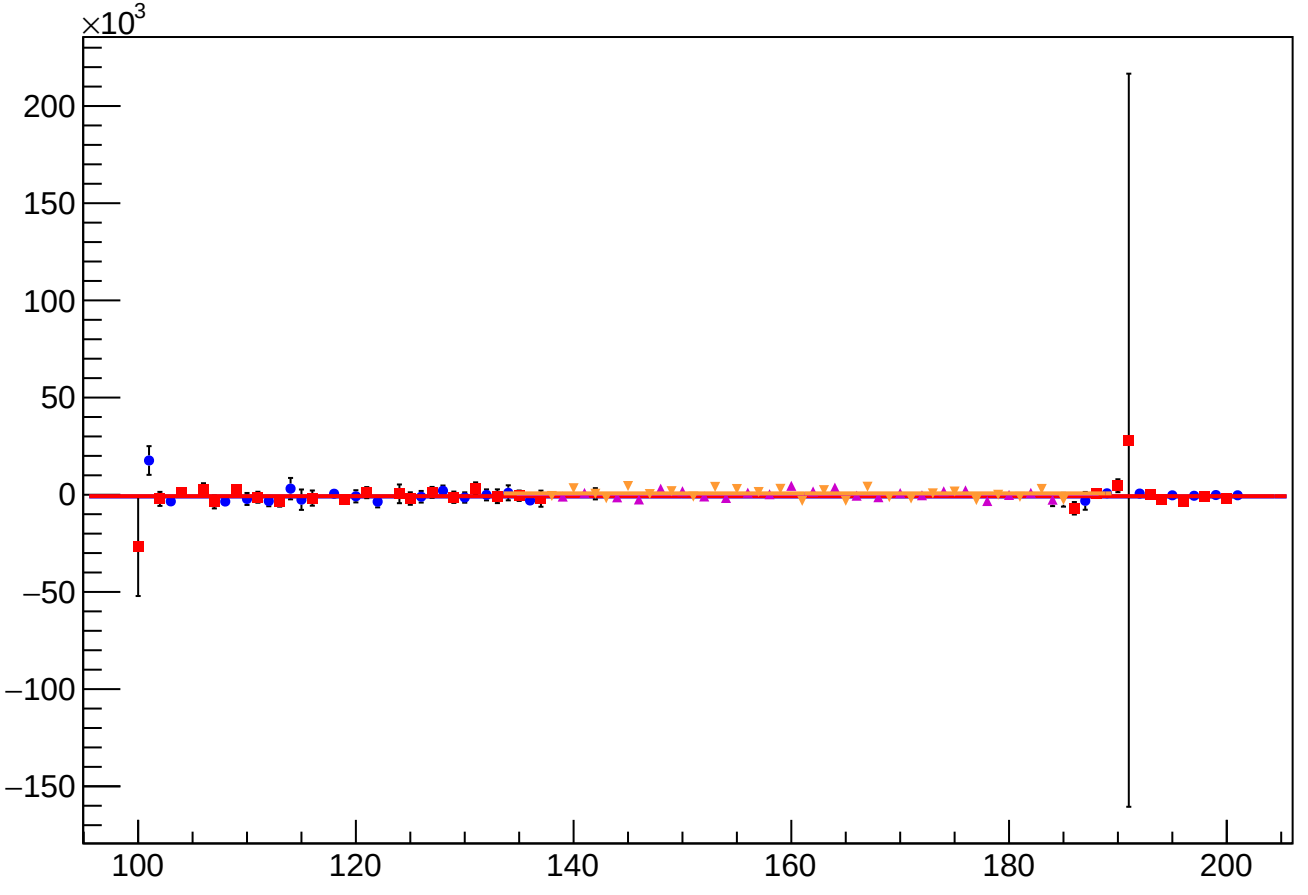
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

\+ sign 4169.613+/-0.543 χ^2/NDF: 3808887.7/47

All: 4032.357+/-0.376 χ^2/NDF: 10710040.4/9

\- sign 3905.443+/-0.522 χ^2/NDF: 6778215.6/50

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: -720.016+/-532.089 χ^2/NDF: 19.9/27

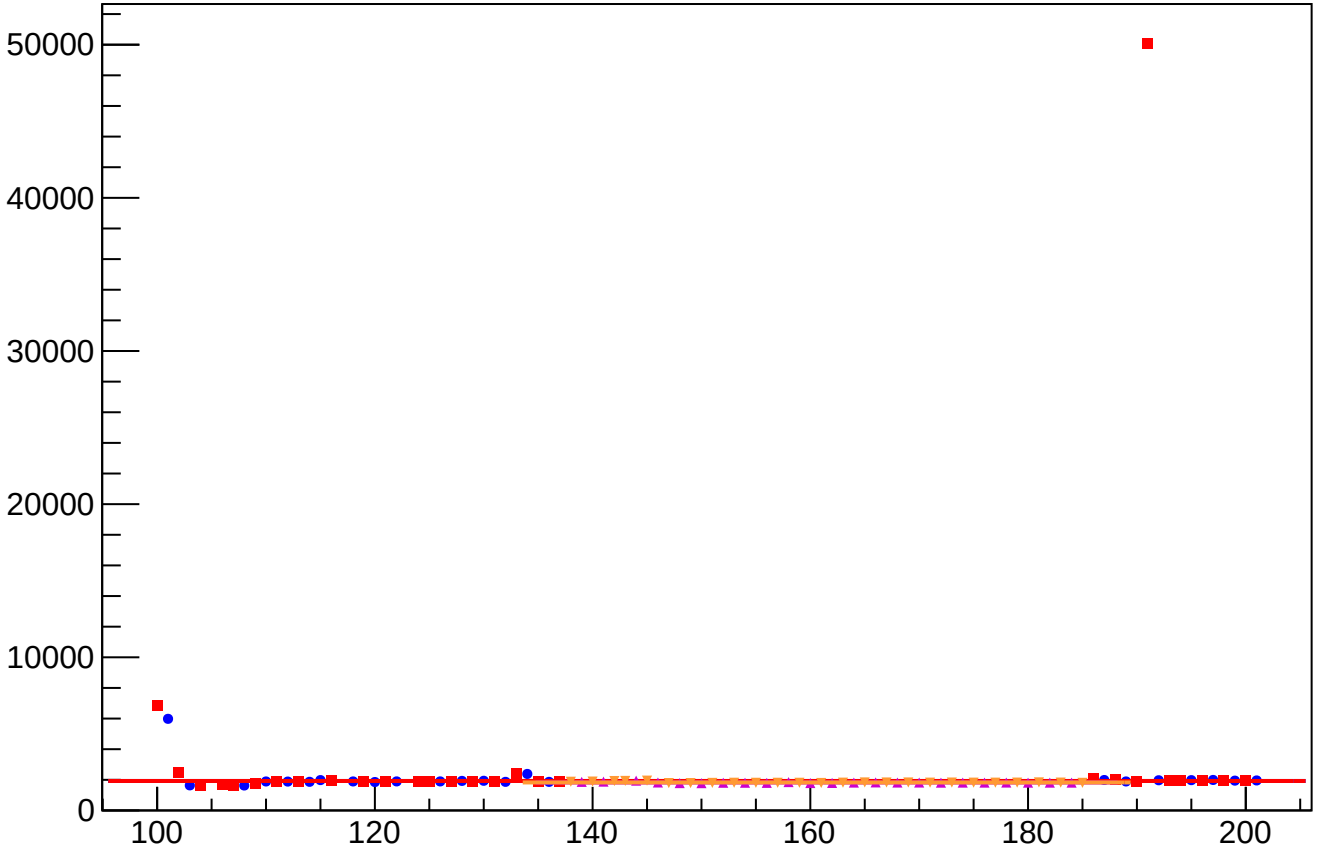
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 129.574+/-332.670 χ^2/NDF: 52.9/47

All: 46.811+/-235.227 χ^2/NDF: 96.3/98

- sign -35.944+/-332.652 χ^2/NDF: 43.3/50

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

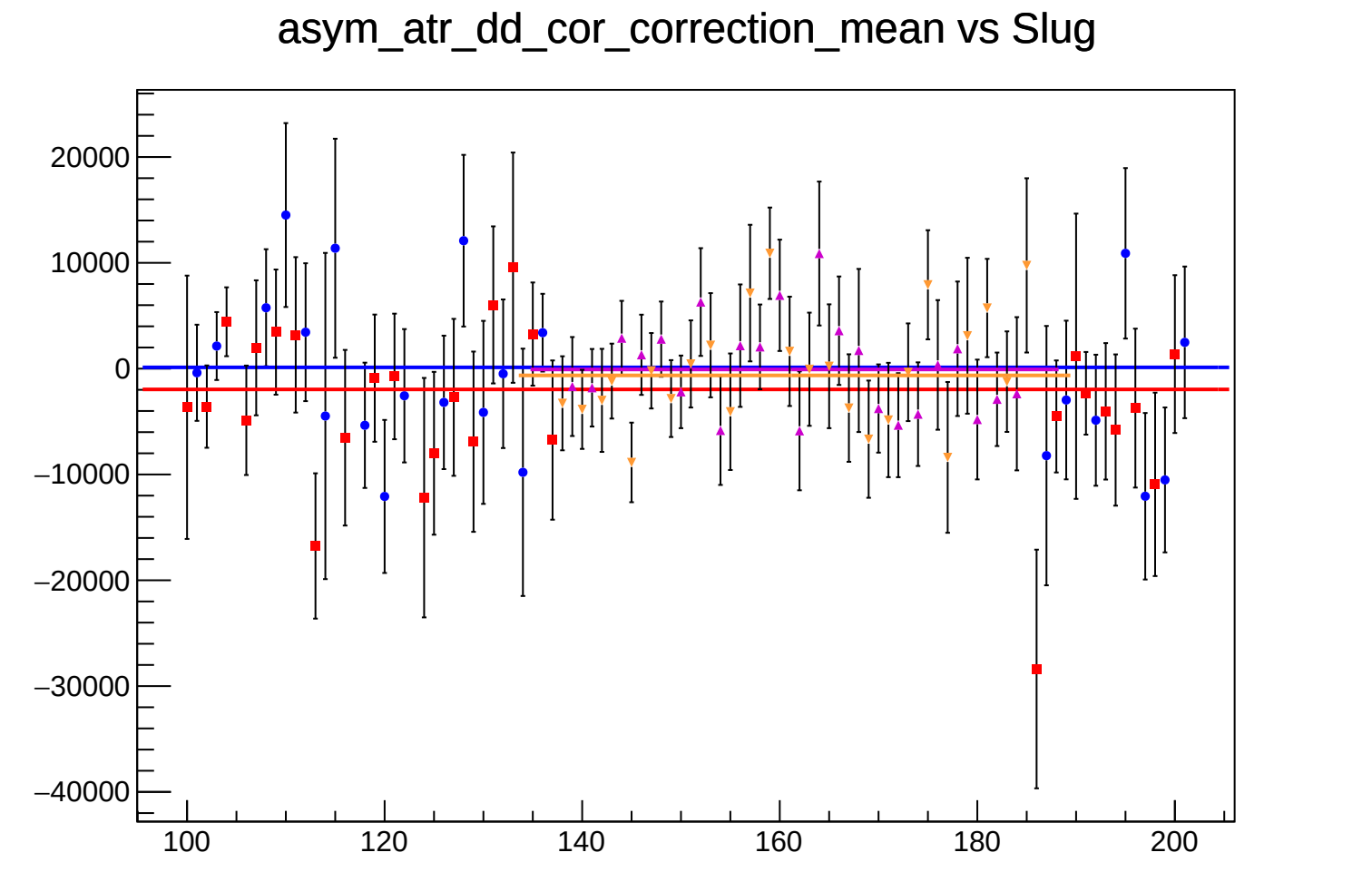
Right Out: 1924.593+/-0.376 χ^2/NDF: 380448.6/27

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1862.819+/-0.235 χ^2/NDF: 763827.1/47

All: 1863.444+/-0.166 χ^2/NDF: 1200237.0/98

- sign 1864.068+/-0.235 χ^2/NDF: 436395.8/50



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: -1961.600+/-1179.966 χ^2/NDF: 24.2/27

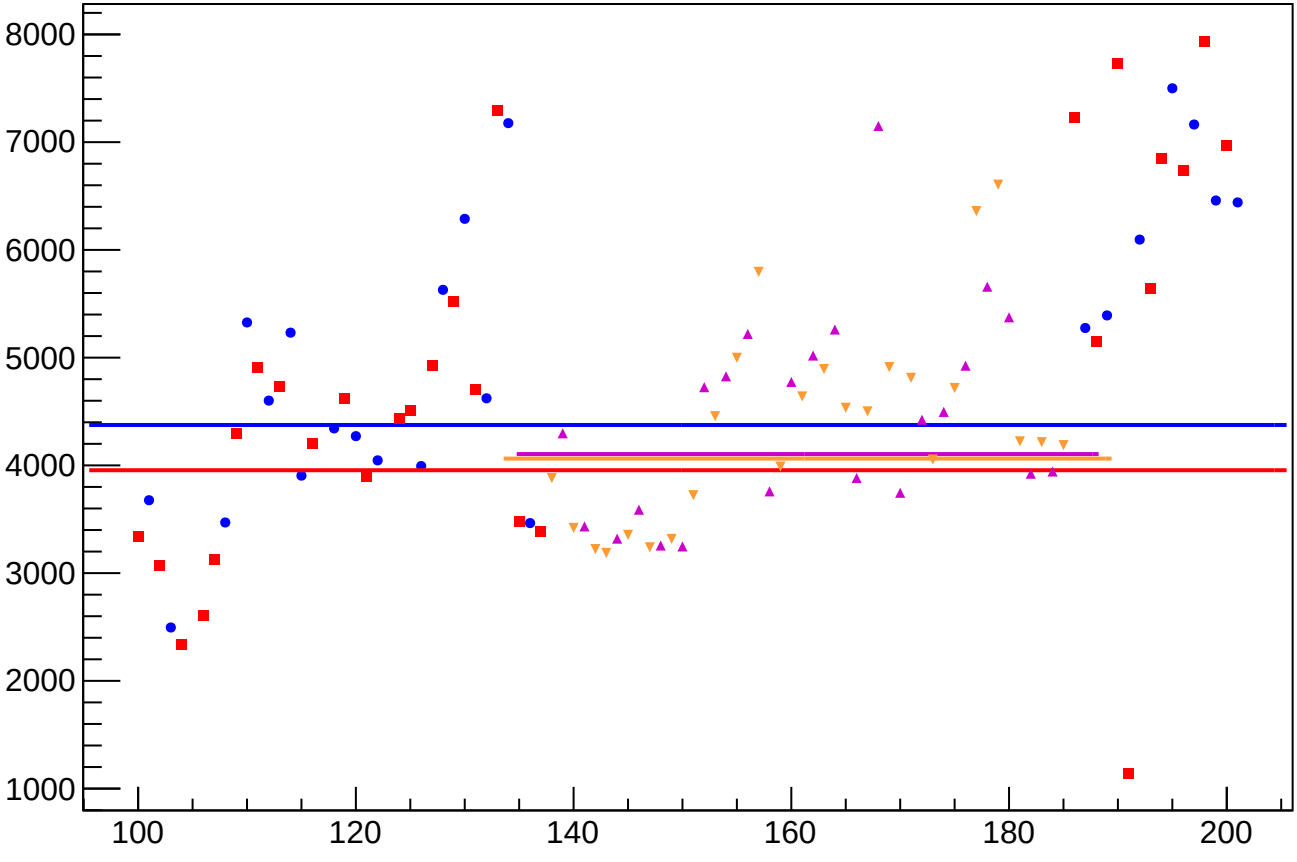
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -377.973+/-768.058 χ^2/NDF: 48.0/47

All: -616.215+/-538.062 χ^2/NDF: 89.4/98

- sign -845.818+/-754.004 χ^2/NDF: 41.2/50

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: 3955.048+/-0.834 χ^2/NDF: 4175086.1/27

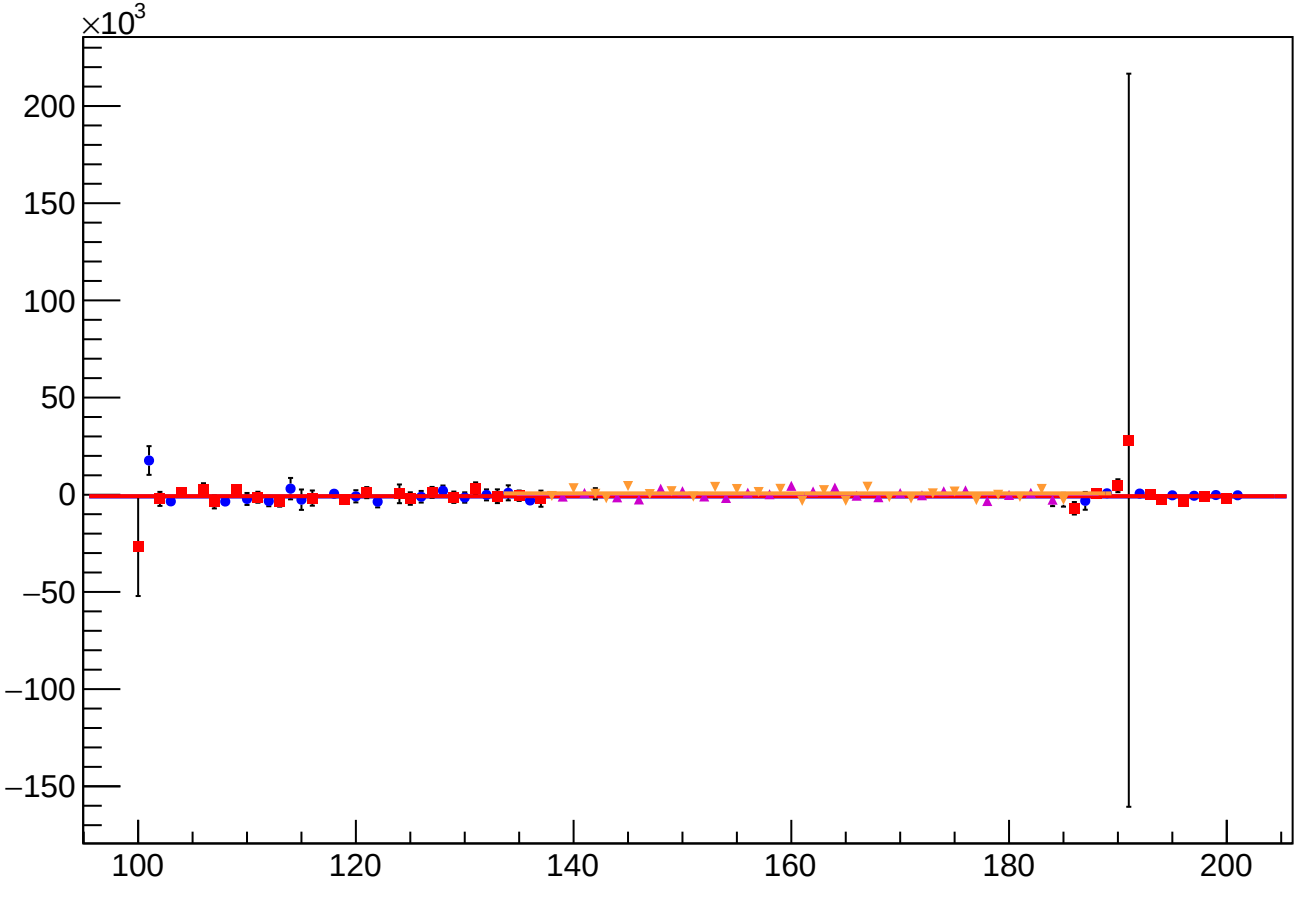
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4169.774+/-0.543 χ^2/NDF: 3808070.8/47

All: 4105.624+/-0.380 χ^2/NDF: 9389180.4/98

- sign 4043.800+/-0.533 χ^2/NDF: 5553711.5/50

eigen_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: -720.016+/-532.089 χ^2/NDF: 19.9/27

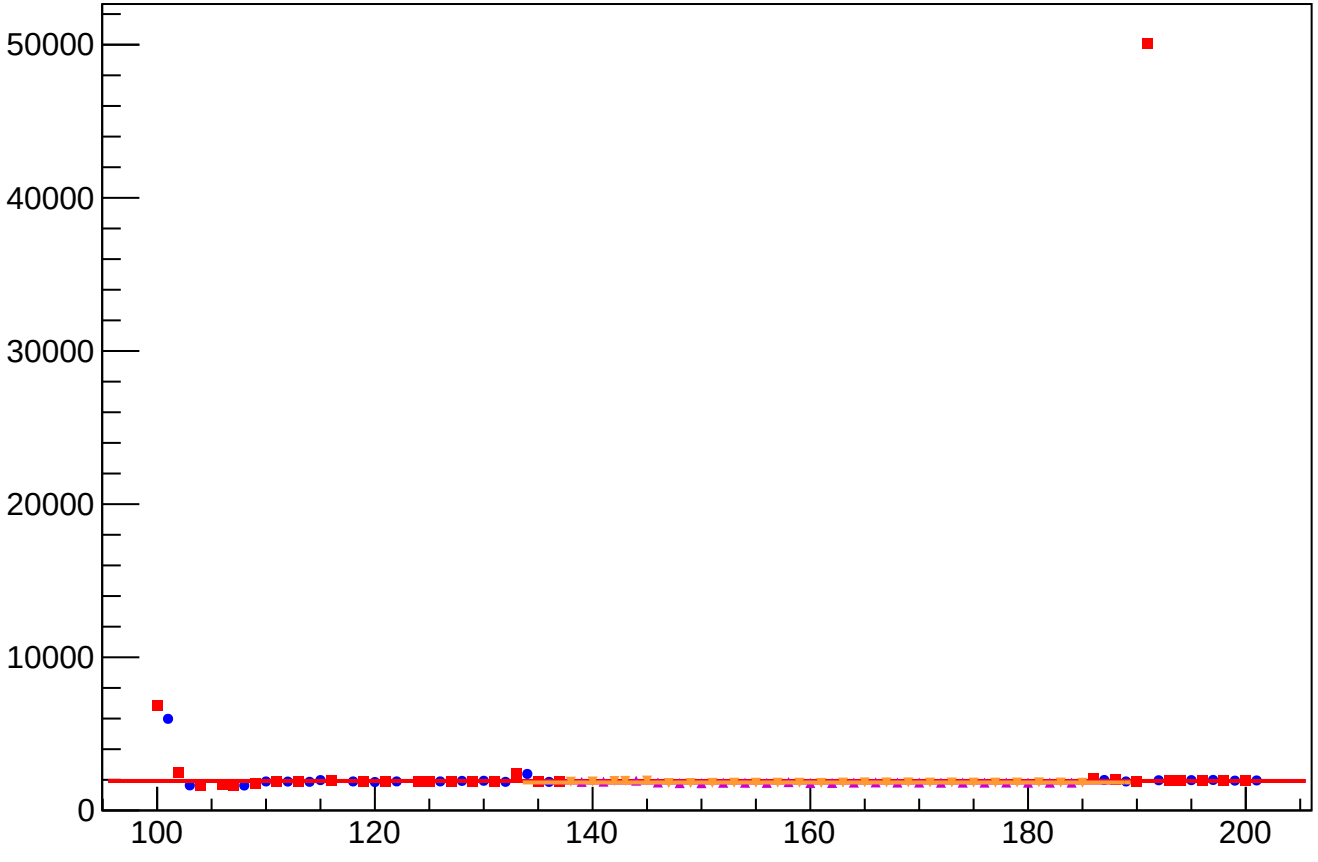
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 129.574+/-332.670 χ^2/NDF: 52.9/47

All: 46.811+/-235.227 χ^2/NDF: 96.3/98

- sign -35.944+/-332.652 χ^2/NDF: 43.3/50

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

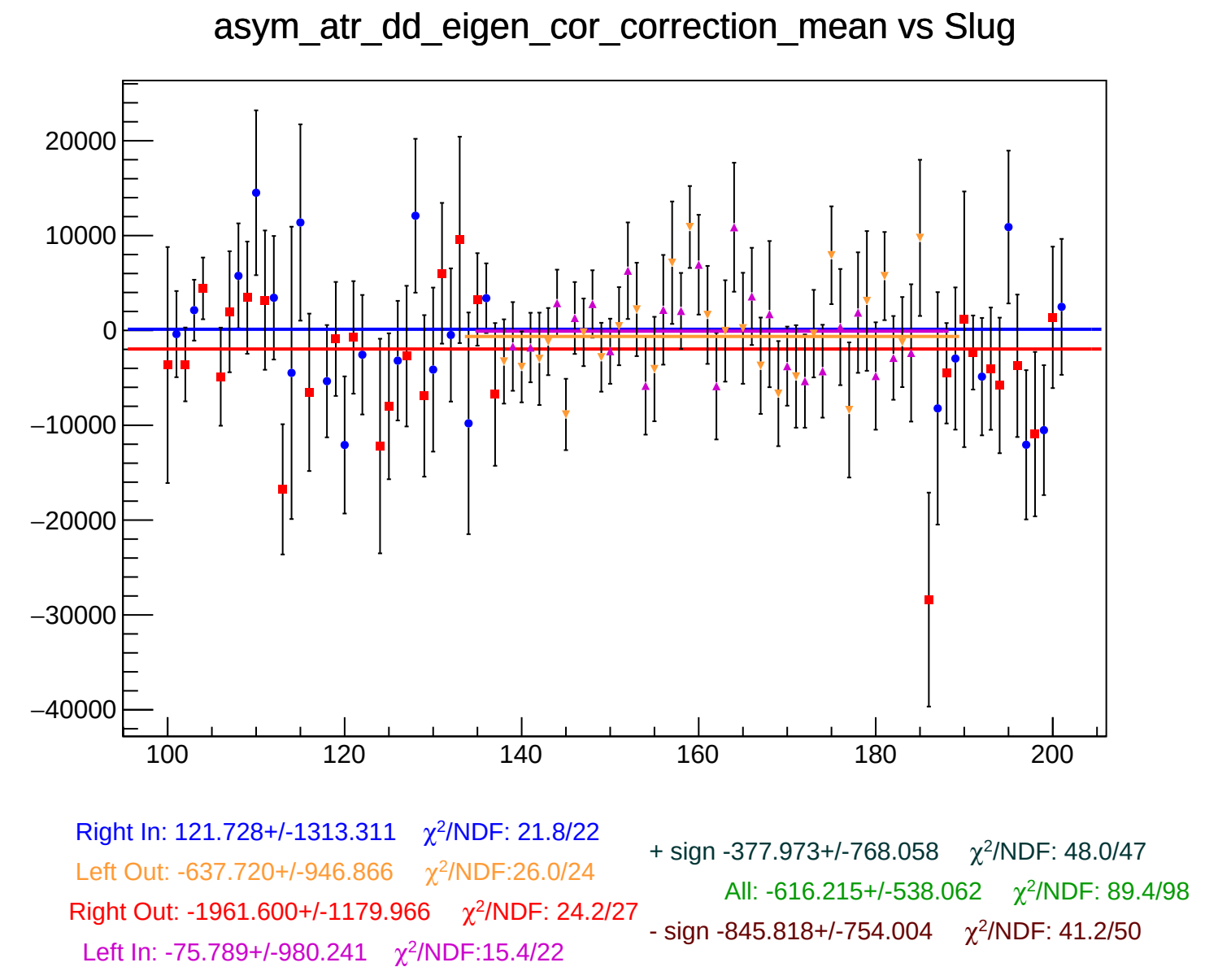
Right Out: 1924.593+/-0.376 χ^2/NDF: 380448.6/27

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

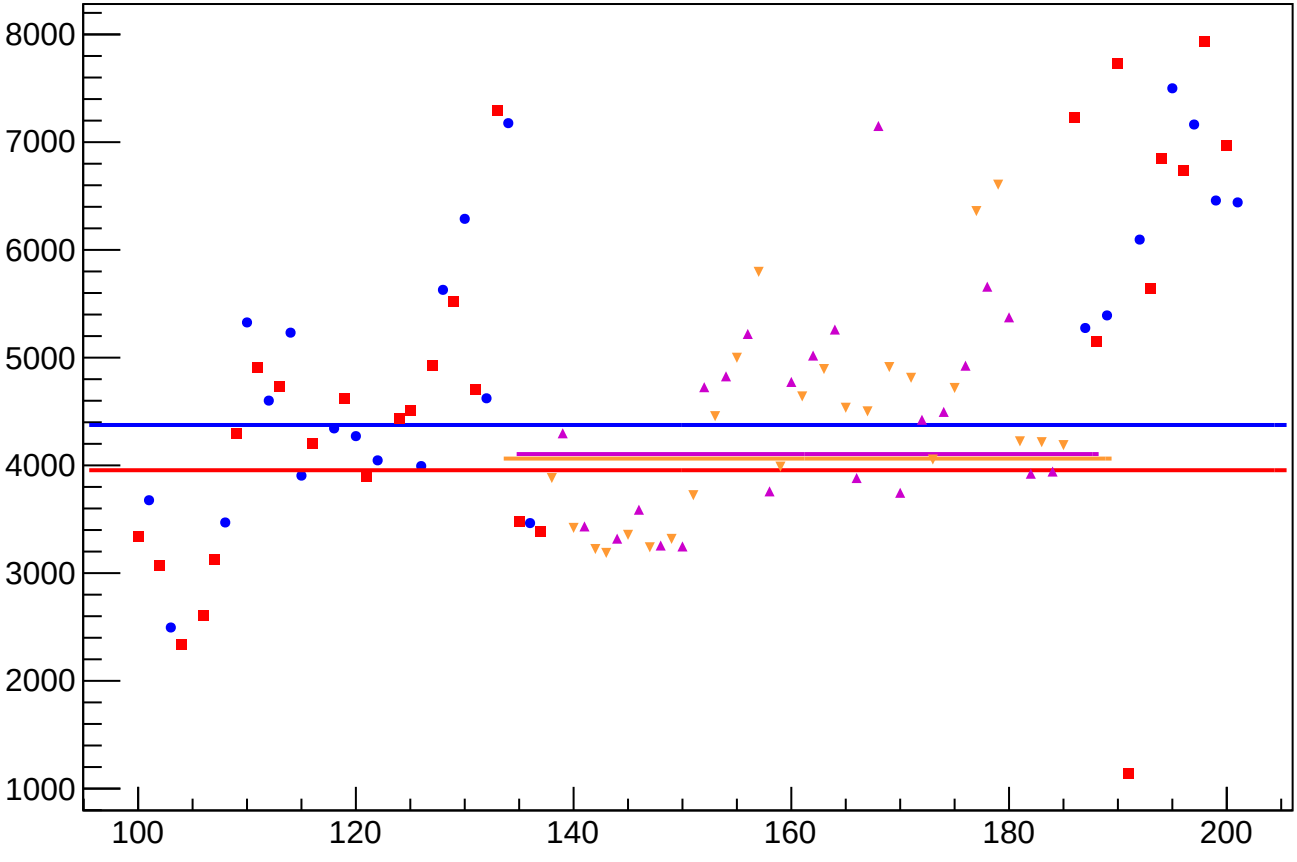
+ sign 1862.819+/-0.235 χ^2/NDF: 763827.1/47

All: 1863.444+/-0.166 χ^2/NDF: 1200237.0/98

- sign 1864.068+/-0.235 χ^2/NDF: 436395.8/50


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: -1961.600+/-1179.966 χ²/NDF: 24.2/27
Left In: -75.789+/-980.241 χ²/NDF:15.4/22
+ sign -377.973+/-768.058 χ²/NDF: 48.0/47
All: -616.215+/-538.062 χ²/NDF: 89.4/98
- sign -845.818+/-754.004 χ²/NDF: 41.2/50

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: 3955.048+/-0.834 χ^2/NDF: 4175086.1/27

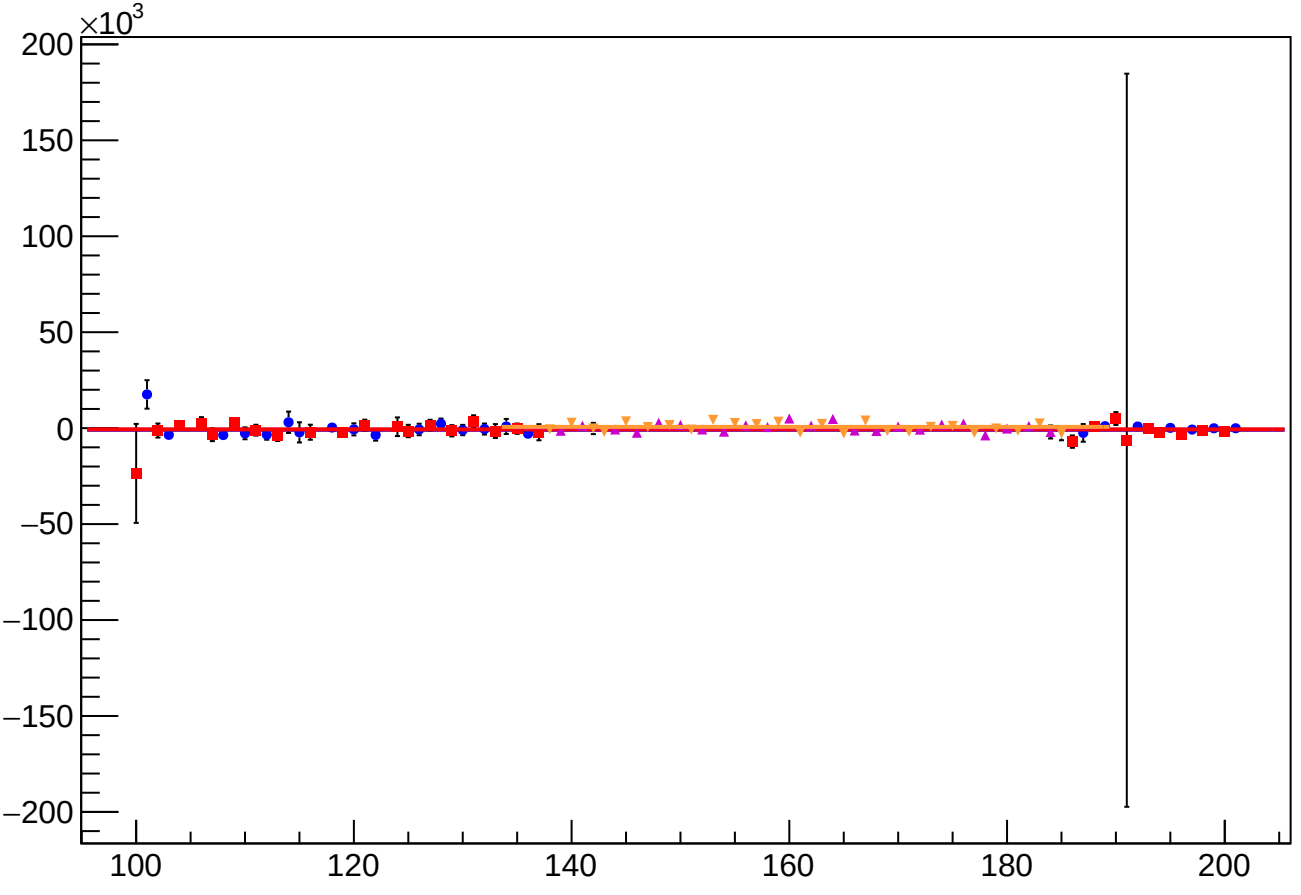
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4169.774+/-0.543 χ^2/NDF: 3808070.8/47

All: 4105.624+/-0.380 χ^2/NDF: 9389180.4/98

- sign 4043.800+/-0.533 χ^2/NDF: 5553711.5/50

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: -657.609+/-537.306 χ^2/NDF: 21.3/27

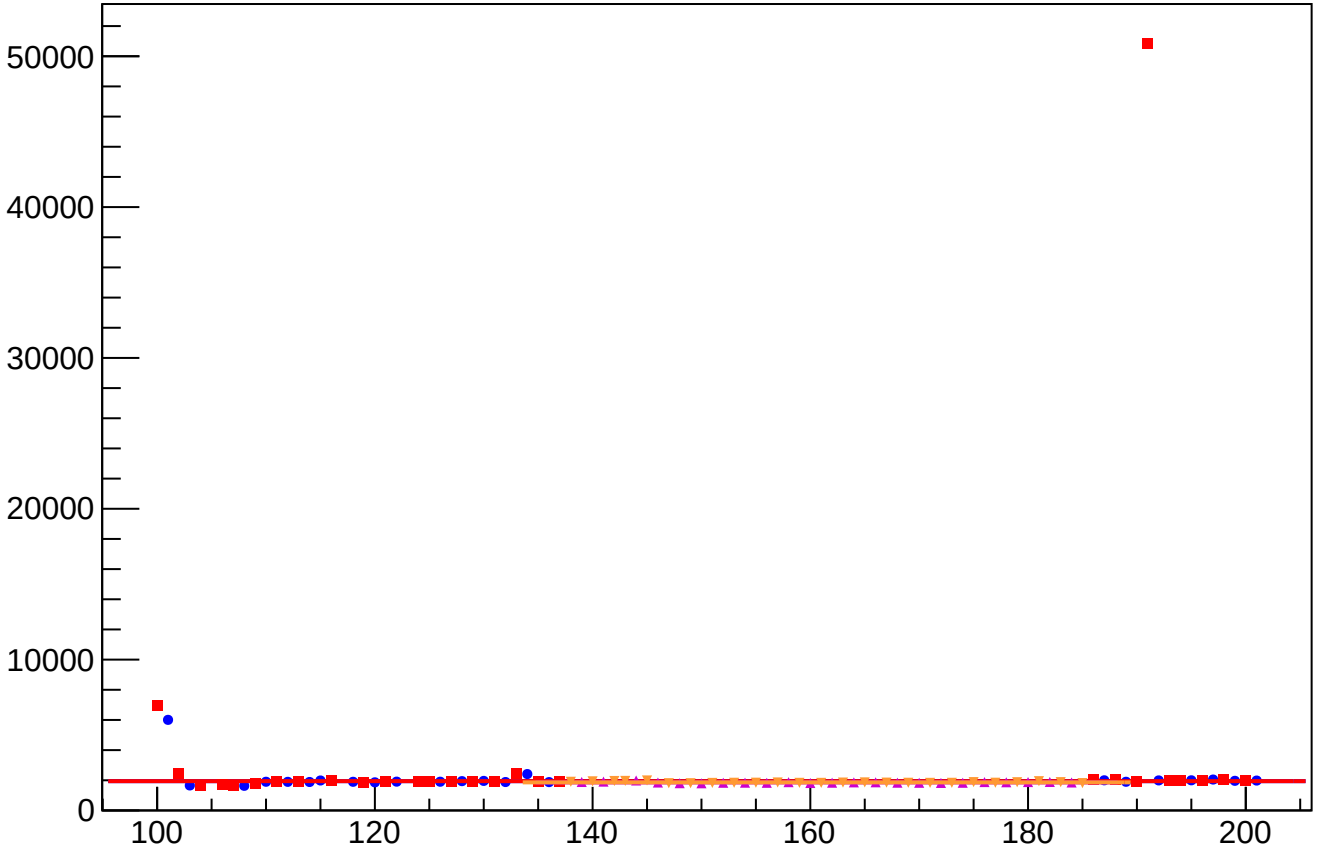
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 115.596+/-337.706 χ^2/NDF: 47.7/47

All: 52.354+/-238.740 χ^2/NDF: 95.1/98

- sign -10.831+/-337.552 χ^2/NDF: 47.3/50

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

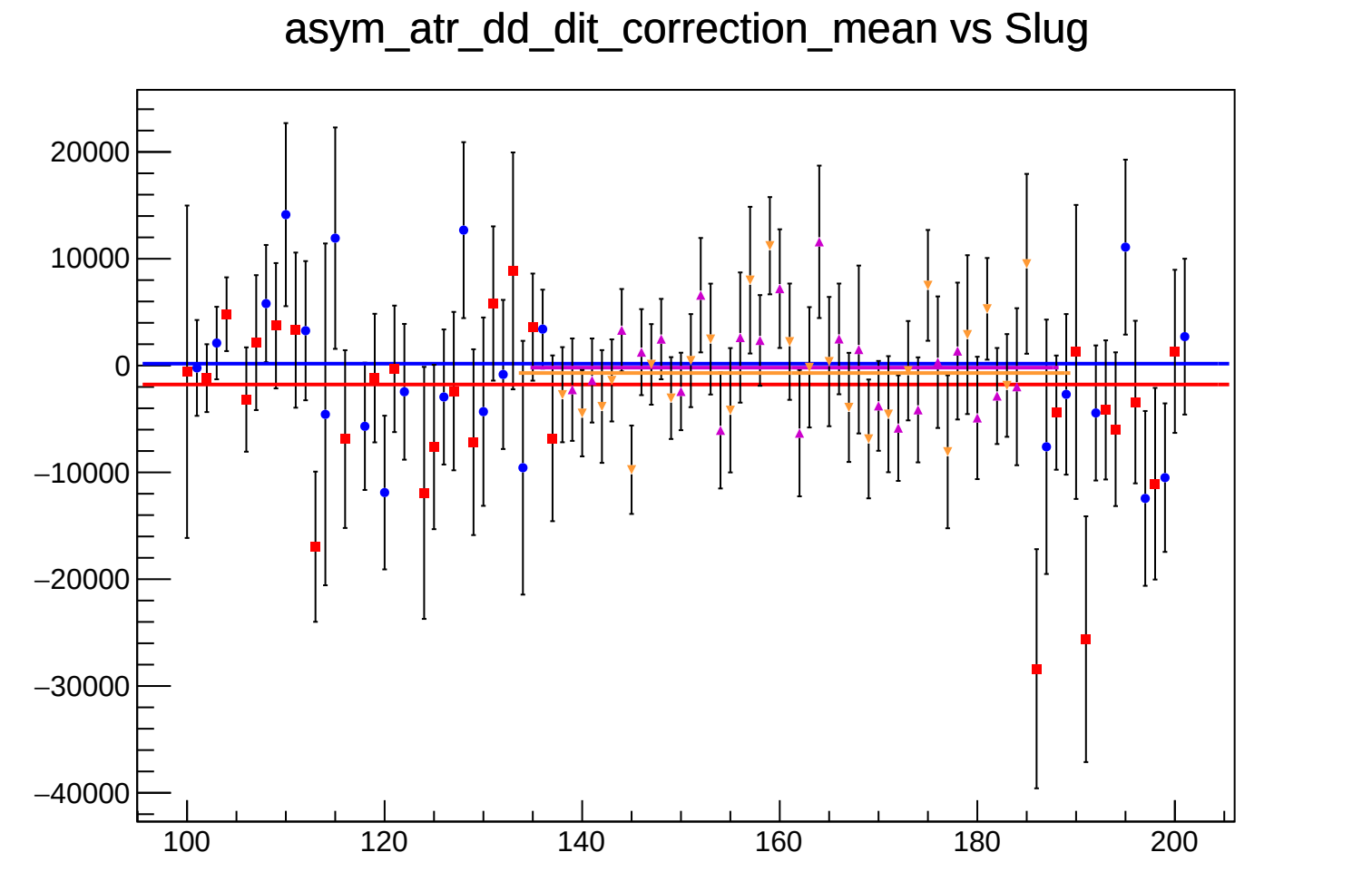
Right Out: 1943.102+/-0.380 χ^2/NDF: 388881.2/27

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1890.938+/-0.239 χ^2/NDF: 760770.2/47

All: 1891.173+/-0.169 χ^2/NDF: 1196670.6/98

- sign 1891.407+/-0.239 χ^2/NDF: 435898.4/50



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: -1772.246+/-1214.757 χ^2/NDF: 27.9/27

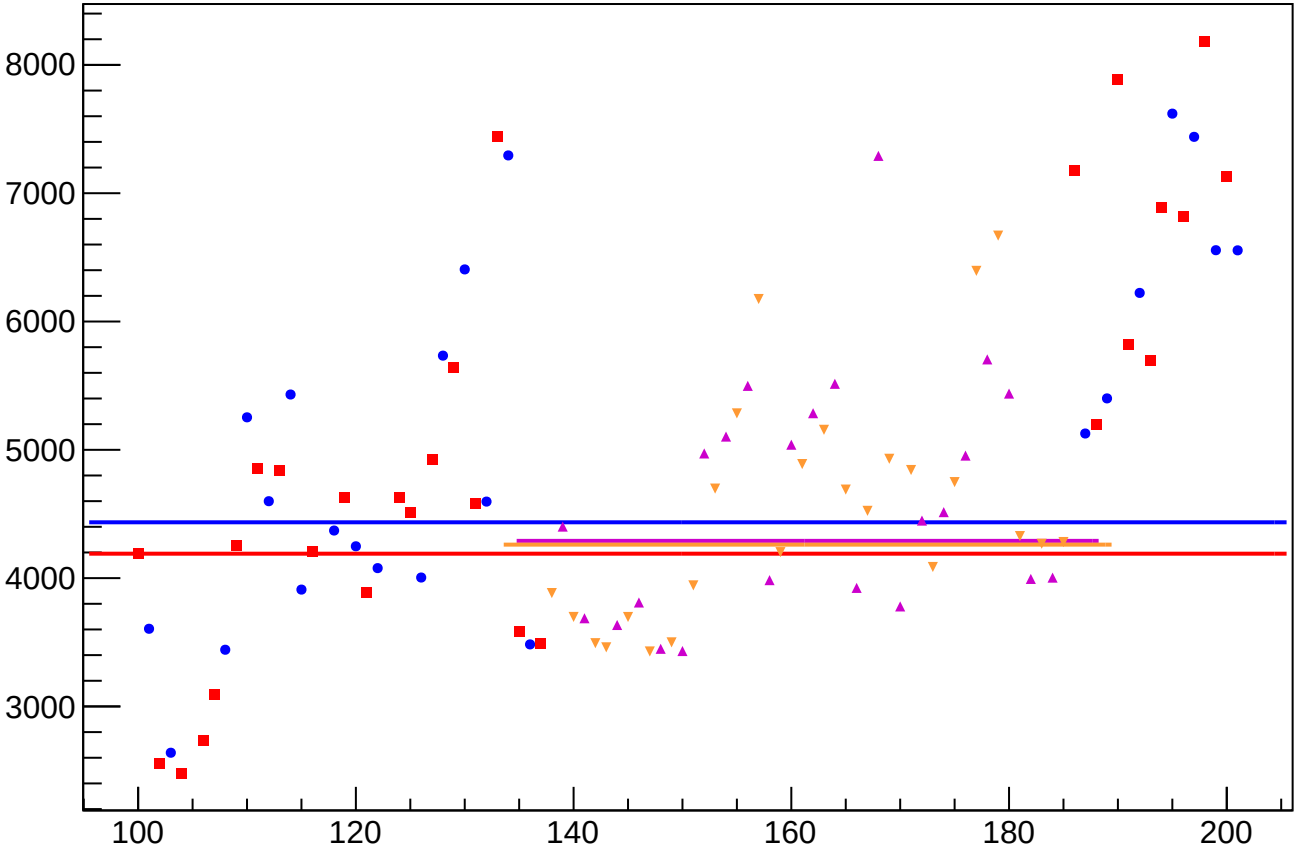
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -386.075+/-794.268 χ^2/NDF: 47.2/47

All: -620.346+/-557.335 χ^2/NDF: 91.4/98

- sign -847.583+/-782.252 χ^2/NDF: 44.1/50

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: 4190.536+/-0.859 χ^2/NDF: 3333319.5/27

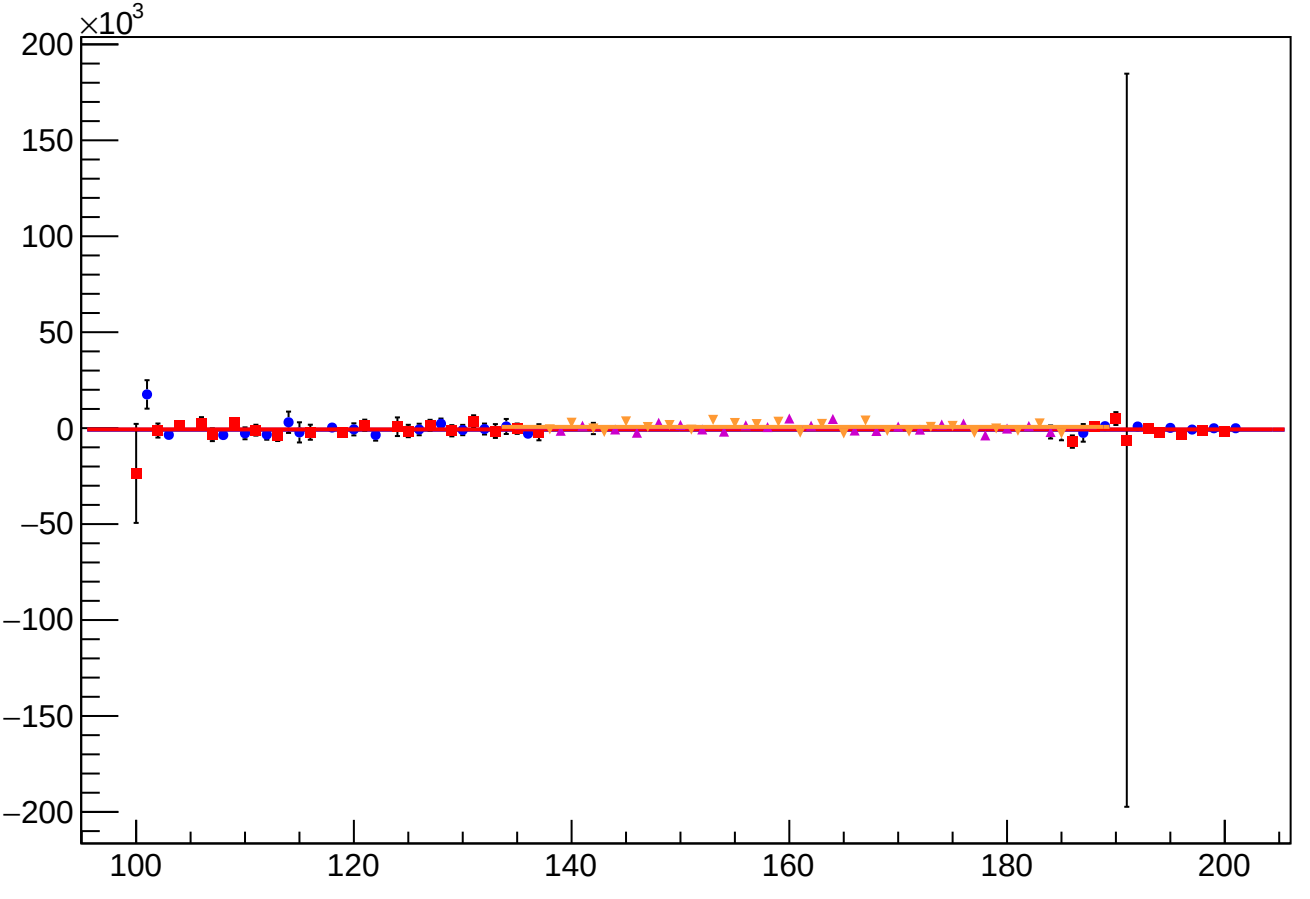
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4323.147+/-0.562 χ^2/NDF: 3481954.1/47

All: 4285.502+/-0.394 χ^2/NDF: 8046000.1/98

- sign 4248.987+/-0.553 χ^2/NDF: 4555195.4/50

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: -657.605+/-537.306 χ^2/NDF: 21.3/27

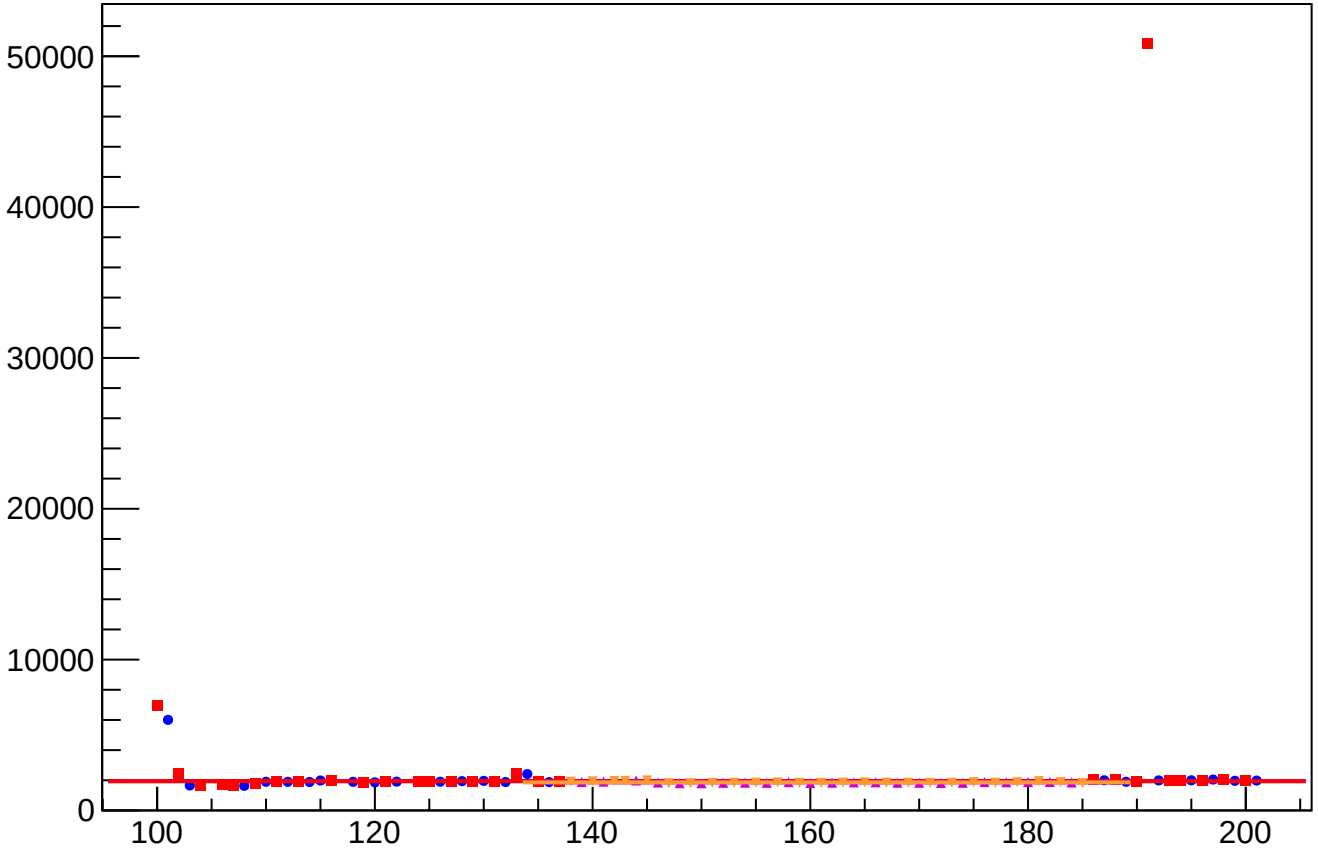
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 115.598+/-337.706 χ^2/NDF: 47.7/47

All: 52.355+/-238.740 χ^2/NDF: 95.1/98

- sign -10.830+/-337.552 χ^2/NDF: 47.3/50

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

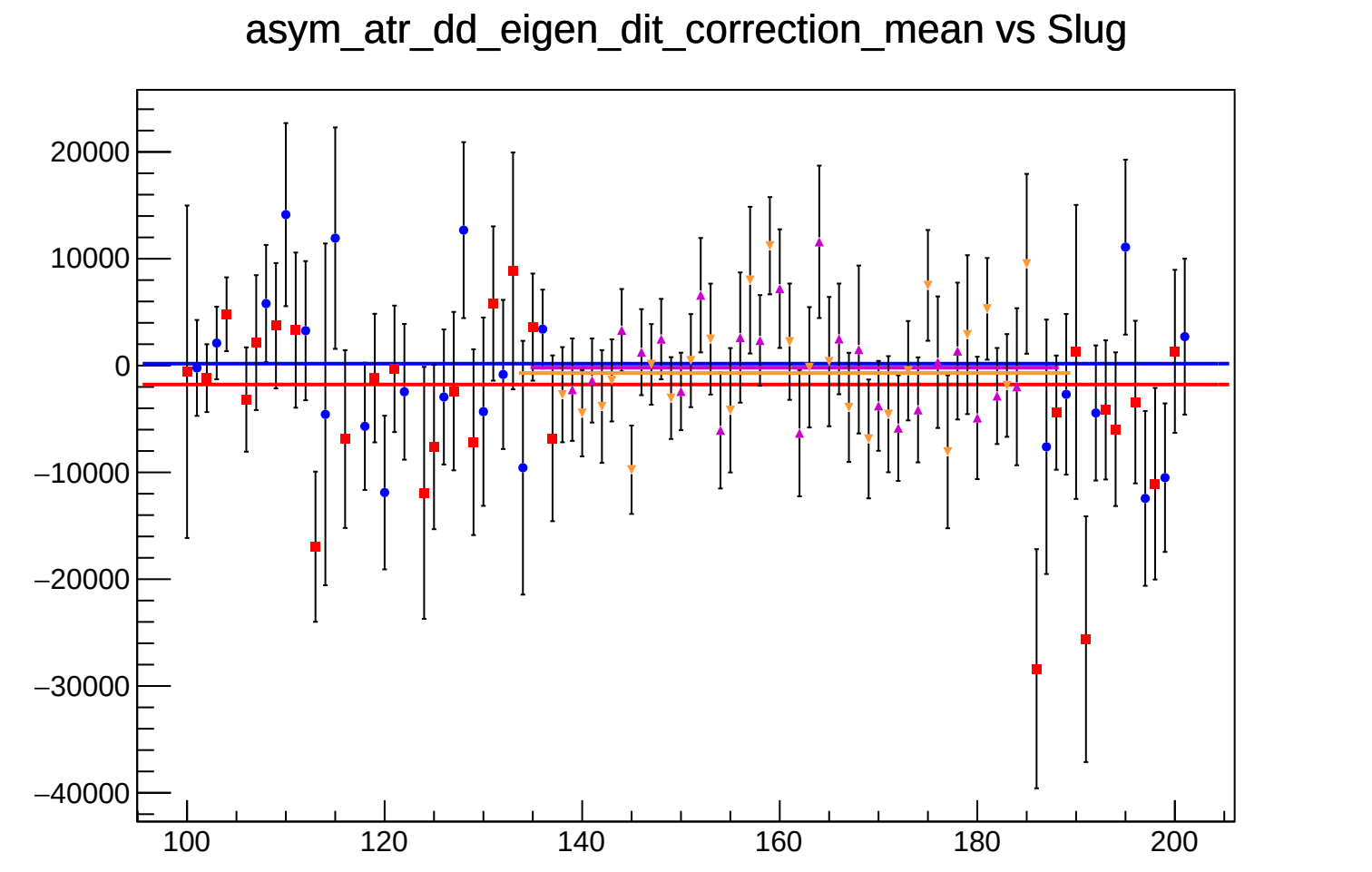
Right Out: 1943.102+/-0.380 χ^2/NDF: 388881.3/27

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1890.938+/-0.239 χ^2/NDF: 760769.7/47

All: 1891.173+/-0.169 χ^2/NDF: 1196669.7/98

- sign 1891.408+/-0.239 χ^2/NDF: 435898.1/50



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: -1772.244+/-1214.756 χ^2/NDF: 27.9/27

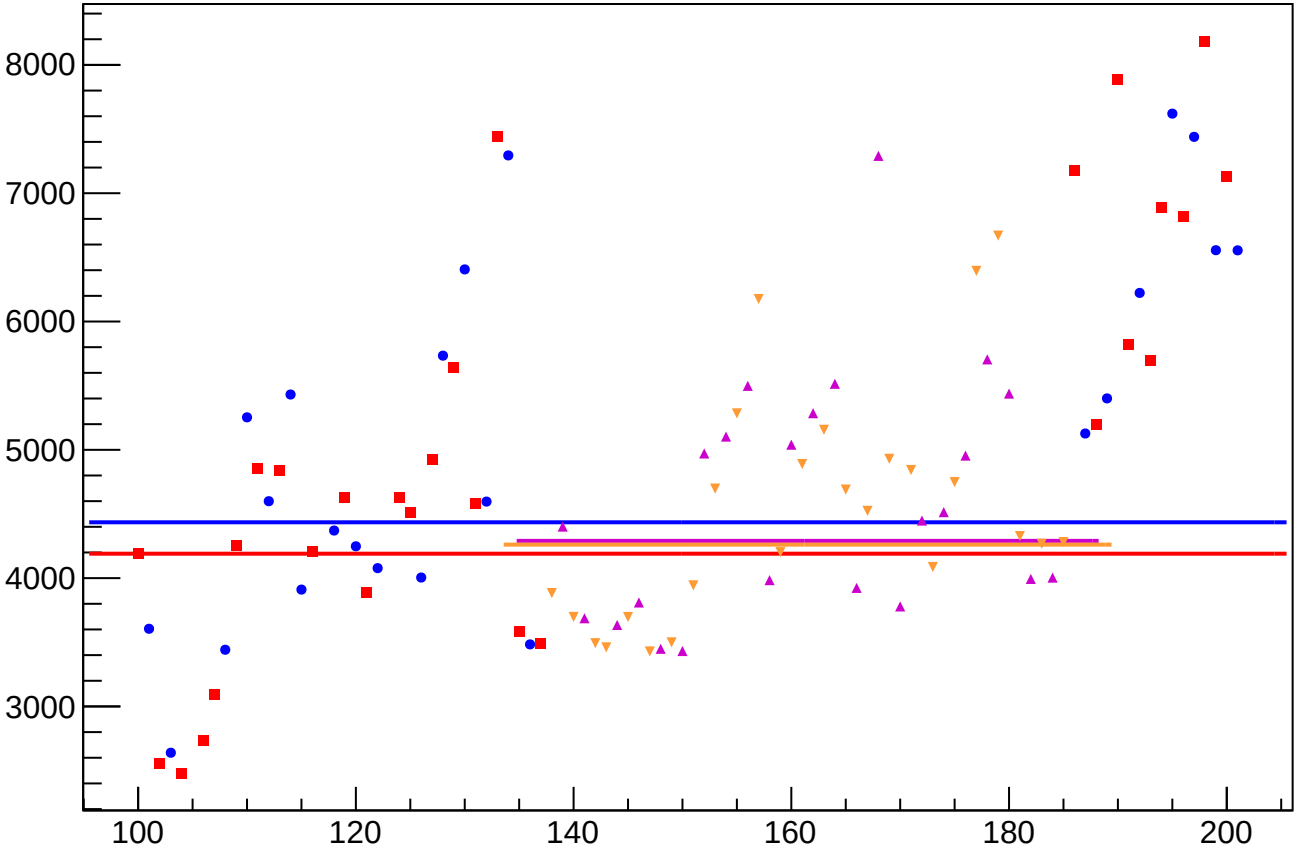
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -386.077+/-794.269 χ^2/NDF: 47.2/47

All: -620.348+/-557.336 χ^2/NDF: 91.4/98

- sign -847.585+/-782.252 χ^2/NDF: 44.1/50

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: 4190.533+/-0.859 χ^2/NDF: 3333317.9/27

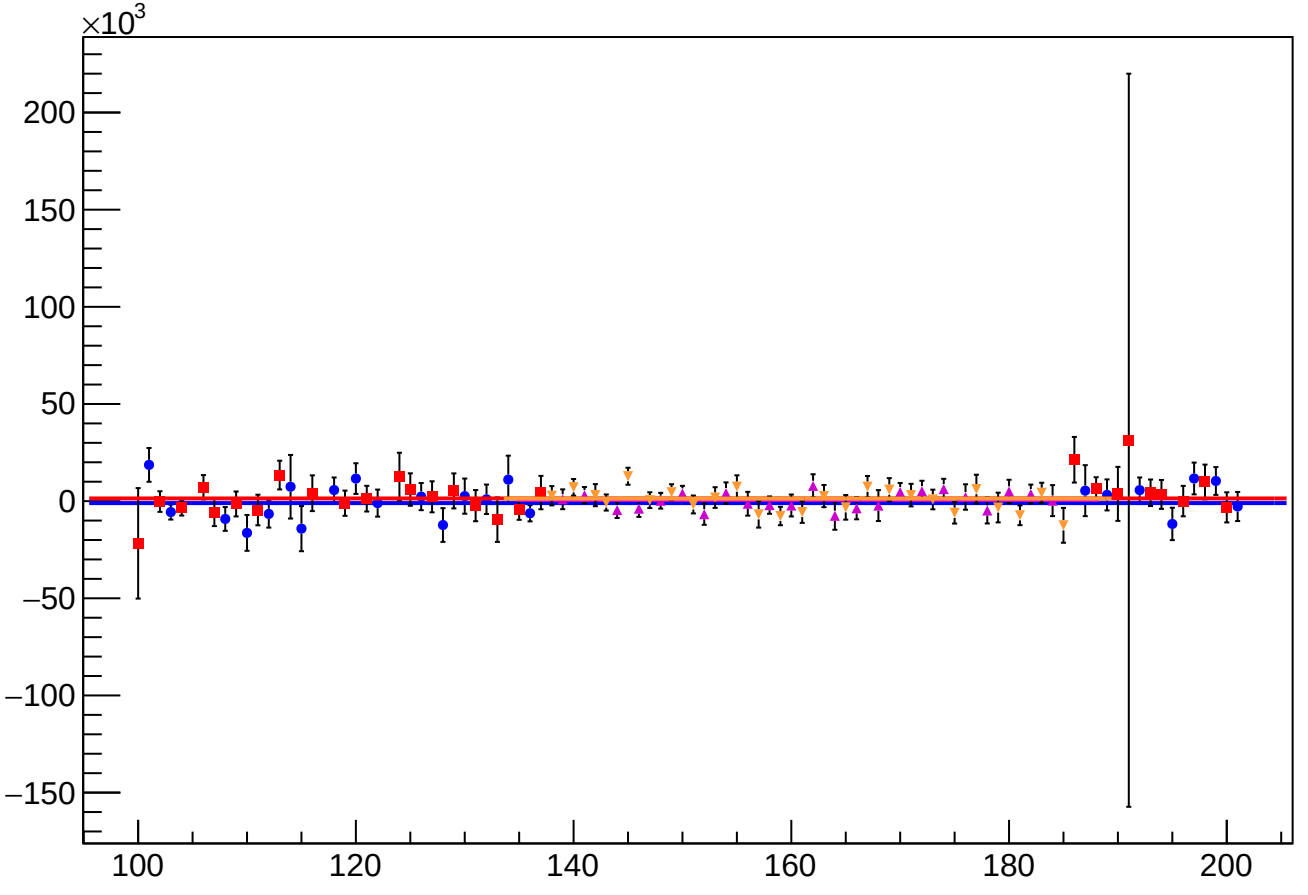
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4323.151+/-0.562 χ^2/NDF: 3481955.0/47

All: 4285.505+/-0.394 χ^2/NDF: 8046007.1/98

- sign 4248.989+/-0.553 χ^2/NDF: 4555201.2/50

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: 1381.788+/-1403.400 χ^2/NDF: 16.5/27

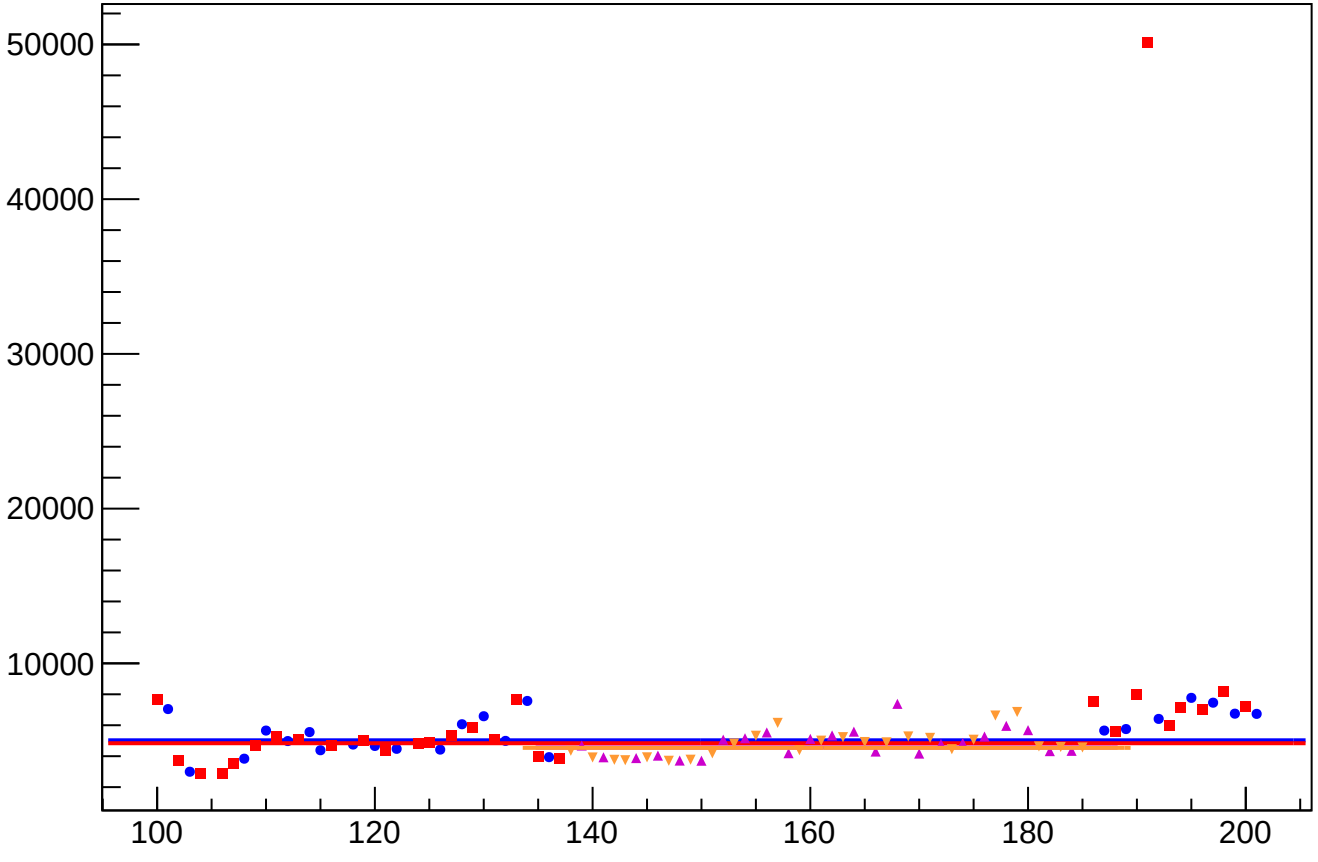
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 534.252+/-858.209 χ^2/NDF: 59.8/47

All: 705.741+/-606.402 χ^2/NDF: 91.0/98

- sign 876.729+/-856.955 χ^2/NDF: 31.1/50

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

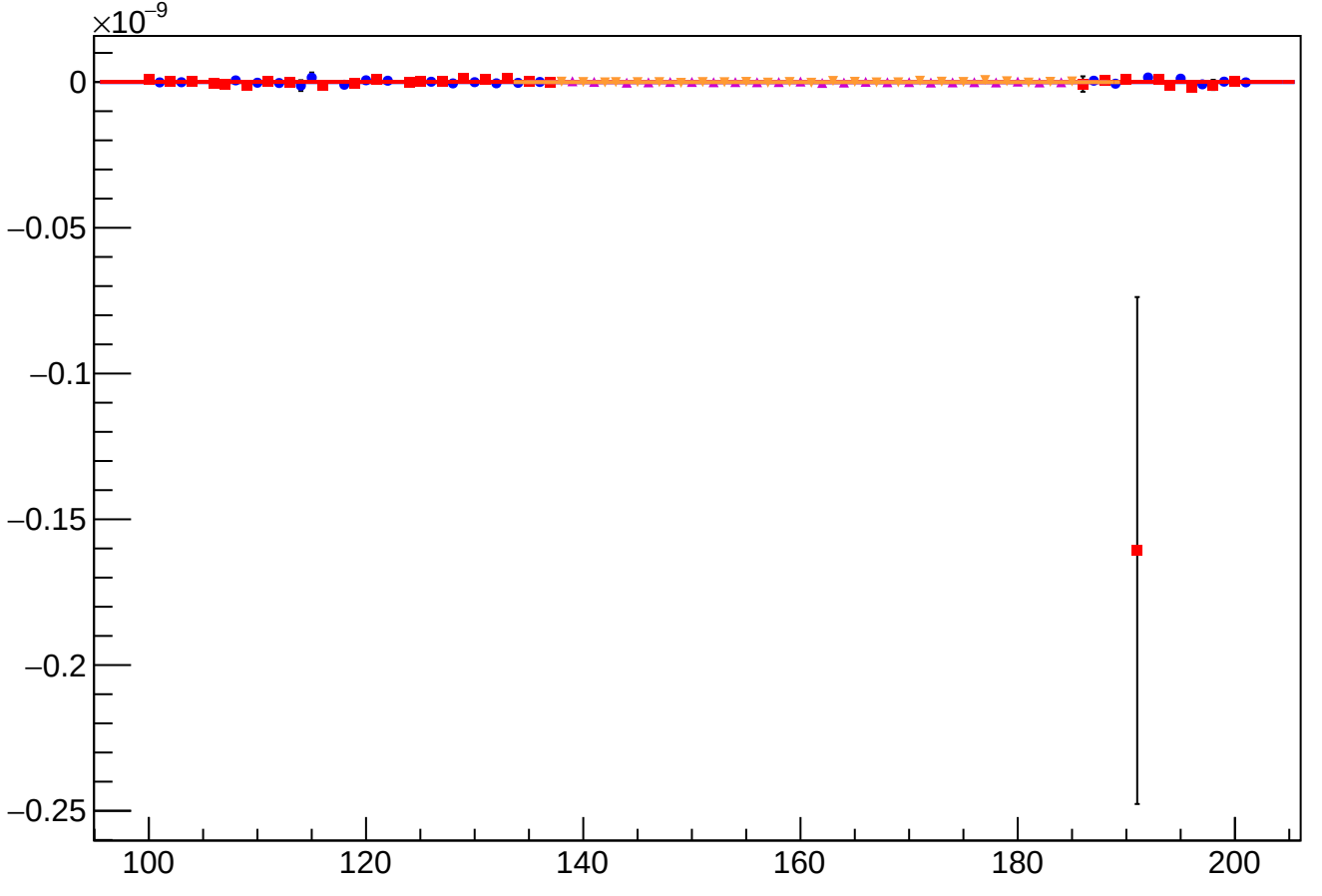
Right Out: 4837.526+/-0.986 χ^2/NDF: 2397261.6/27

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4699.876+/-0.607 χ^2/NDF: 2960762.6/47

All: 4682.169+/-0.428 χ^2/NDF: 6389169.6/98

- sign 4664.595+/-0.605 χ^2/NDF: 3426710.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

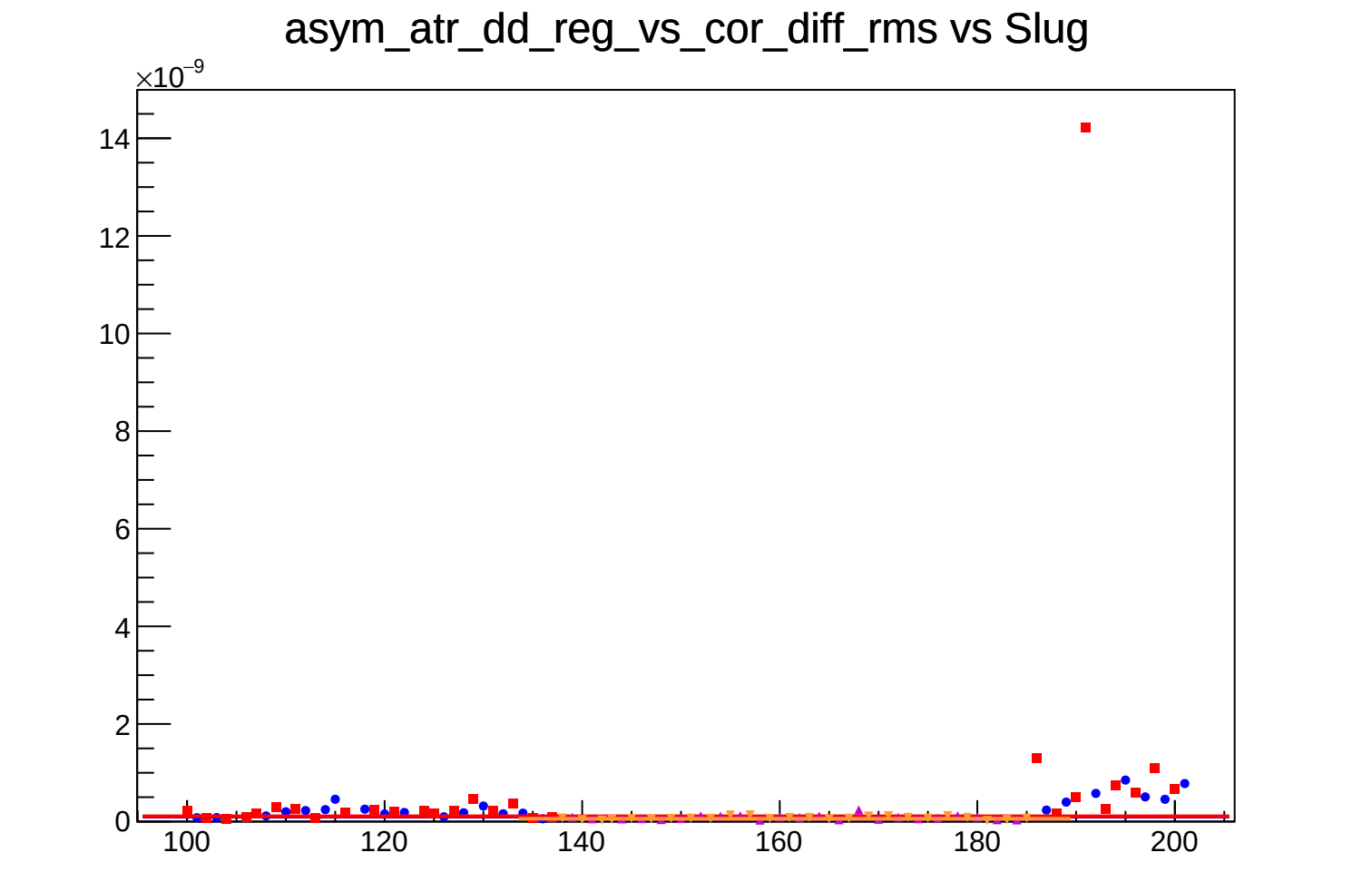
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/27

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: 112.3/98

- sign -0.000+/-0.000 χ^2/NDF: 55.8/50



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: 4795145.2/27

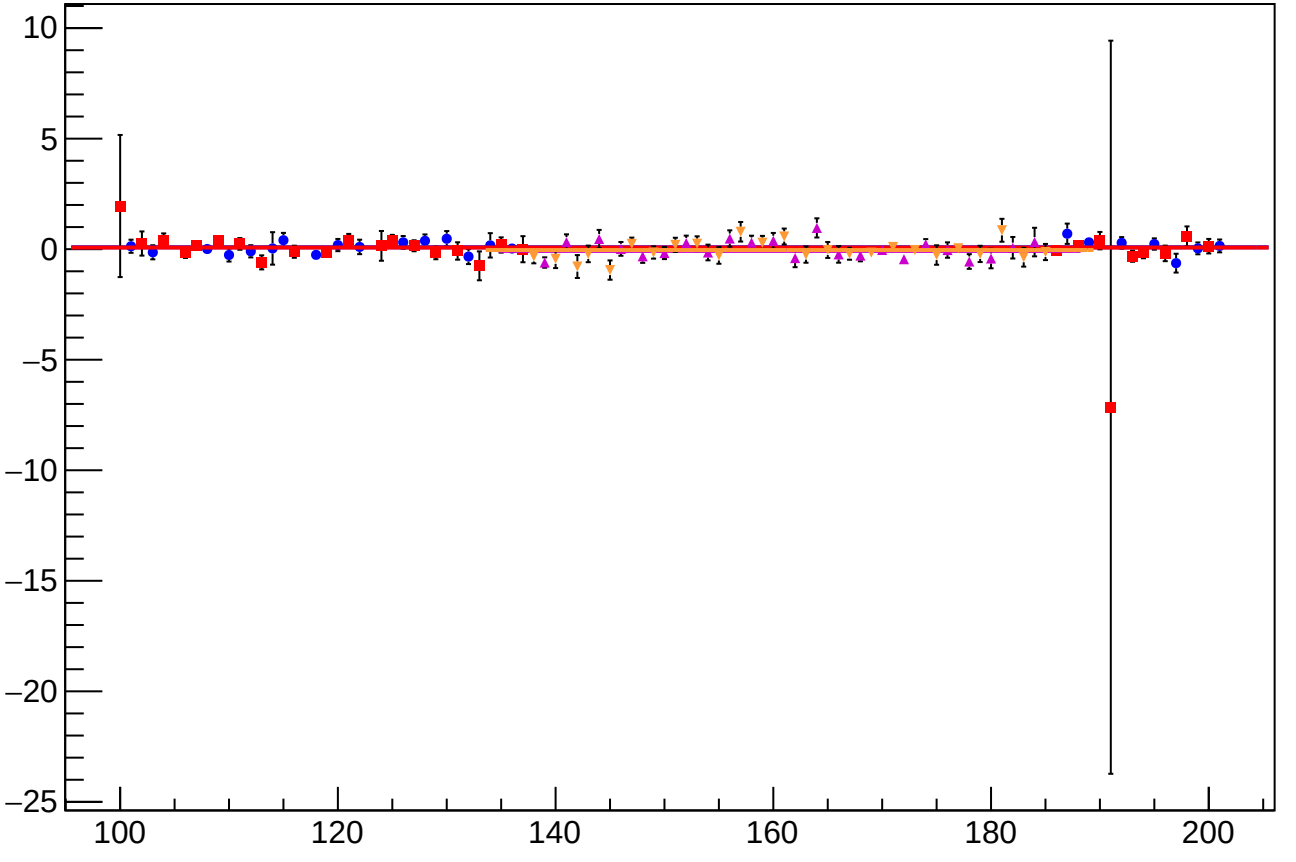
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6892786.9/47

All: 0.000+/-0.000 χ^2/NDF: 14802411.8/98

- sign 0.000+/-0.000 χ^2/NDF: 7905838.8/50

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: 0.075+/-0.053 χ^2/NDF: 24.8/27

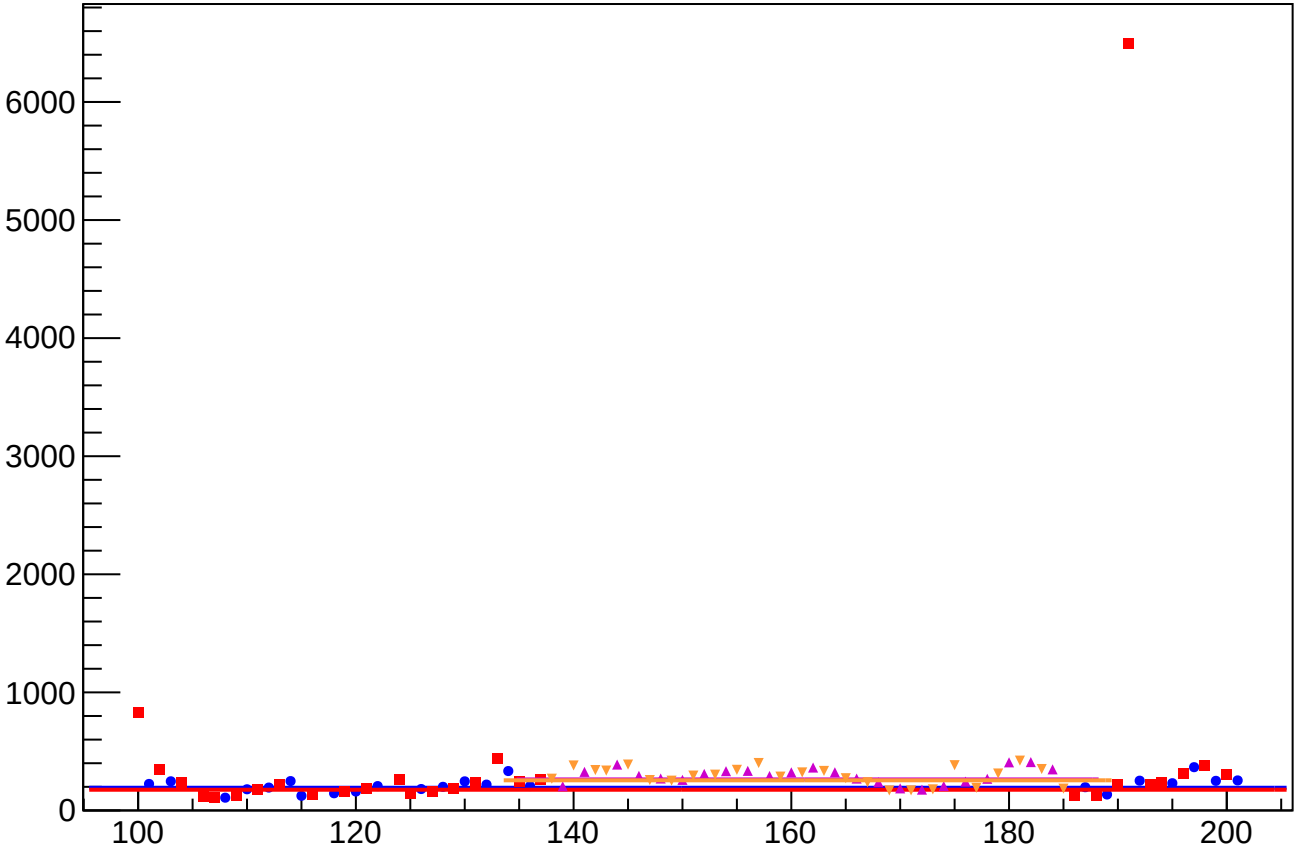
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.027+/-0.043 χ^2/NDF: 44.5/47

All: 0.020+/-0.030 χ^2/NDF: 103.7/98

- sign 0.014+/-0.041 χ^2/NDF: 59.1/50

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: 175.437+/-0.037 χ^2/NDF: 3315814.1/27

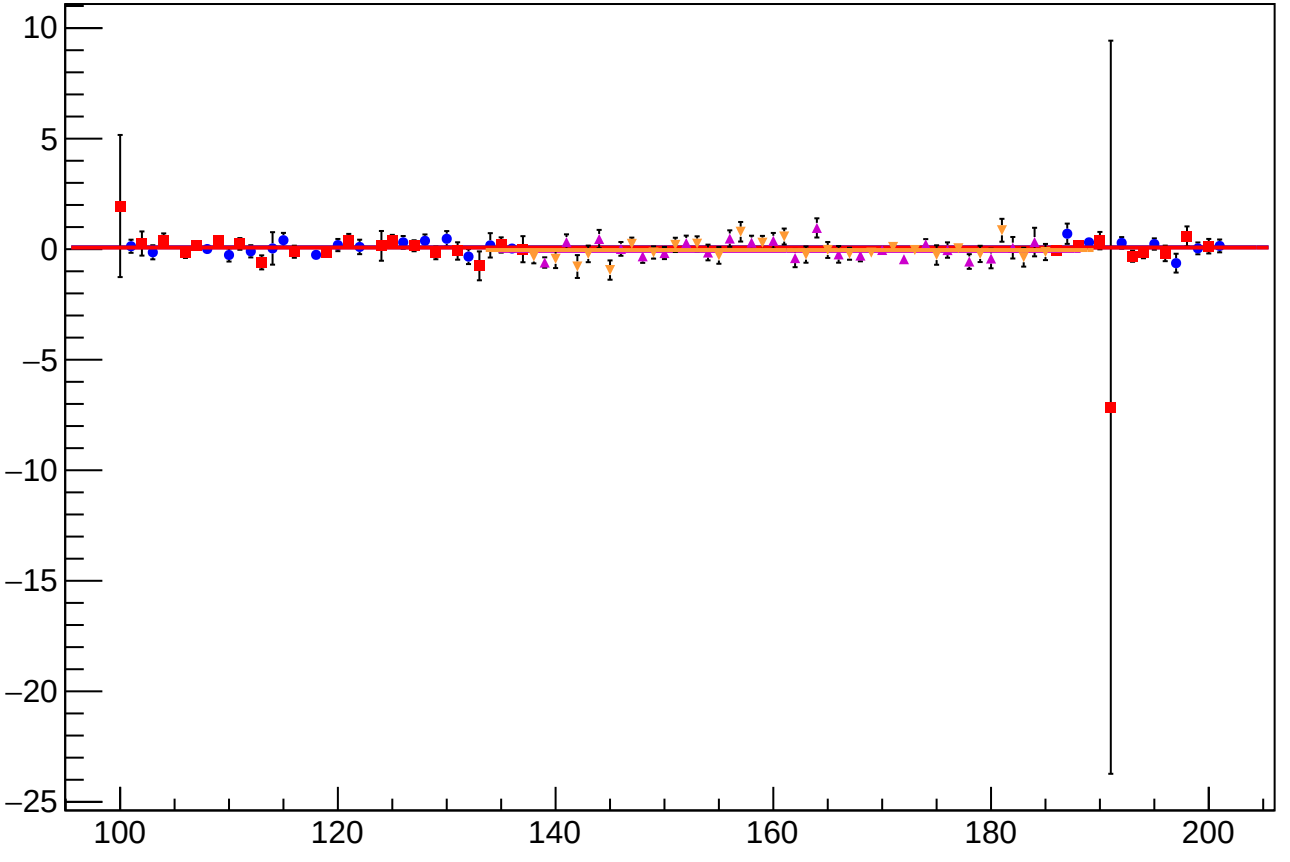
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 221.969+/-0.030 χ^2/NDF: 5858505.7/47

All: 215.984+/-0.021 χ^2/NDF: 13450148.1/98

- sign 210.401+/-0.029 χ^2/NDF: 7514994.9/50

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: 0.075+/-0.053 χ^2/NDF: 24.8/27

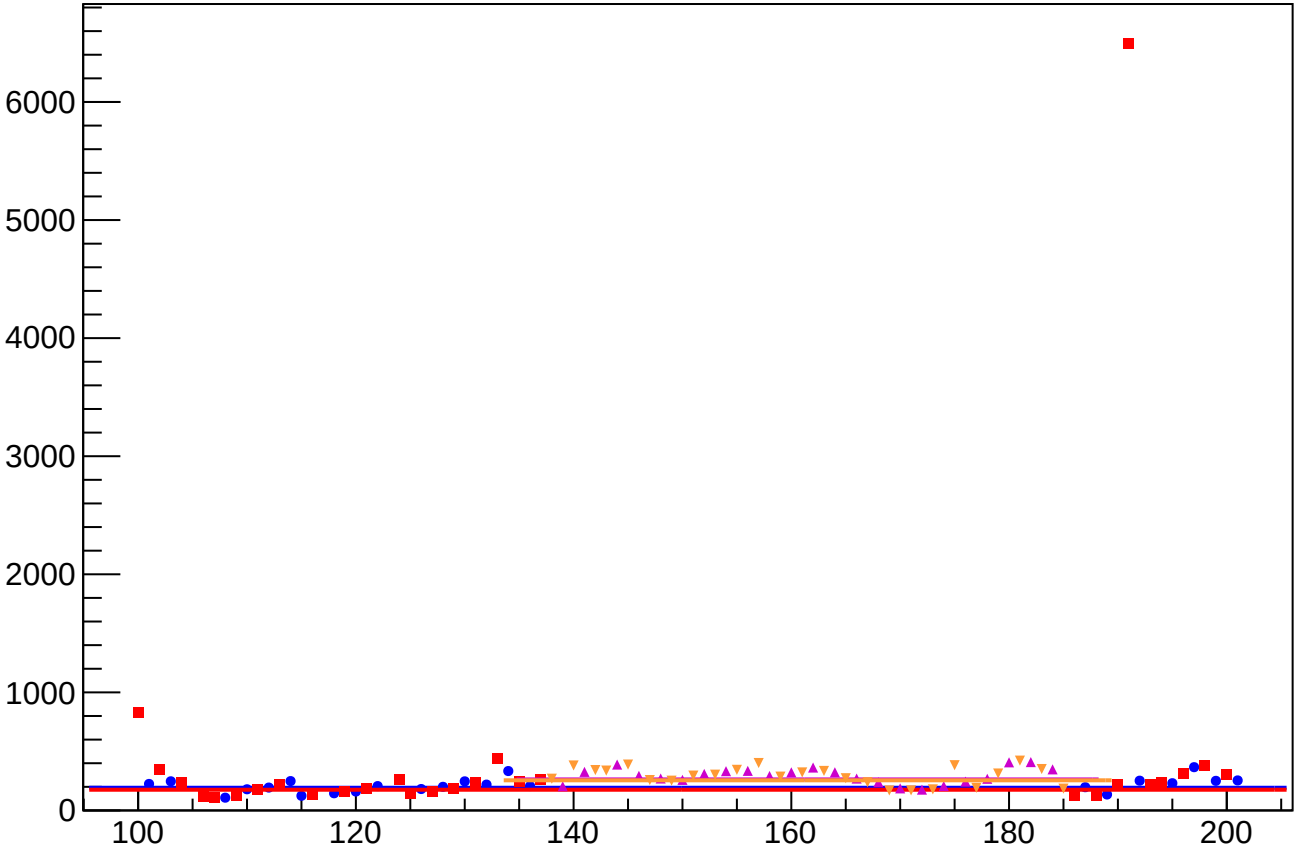
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.027+/-0.043 χ^2/NDF: 44.5/47

All: 0.020+/-0.030 χ^2/NDF: 103.7/98

- sign 0.014+/-0.041 χ^2/NDF: 59.1/50

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

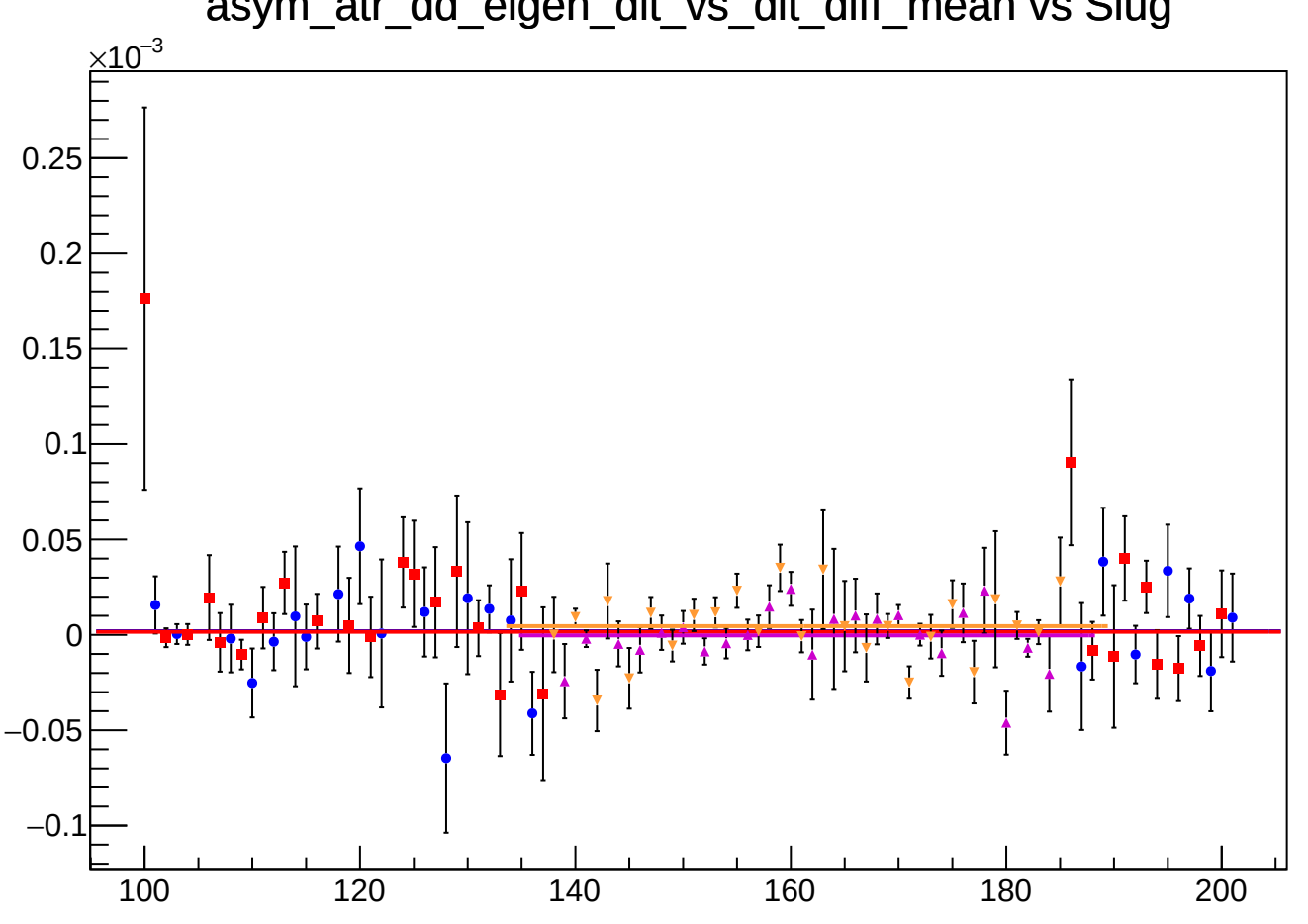
Right Out: 175.437+/-0.037 χ^2/NDF: 3315814.1/27

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 221.969+/-0.030 χ^2/NDF: 5858505.7/47

All: 215.984+/-0.021 χ^2/NDF: 13450148.1/98

- sign 210.401+/-0.029 χ^2/NDF: 7514994.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

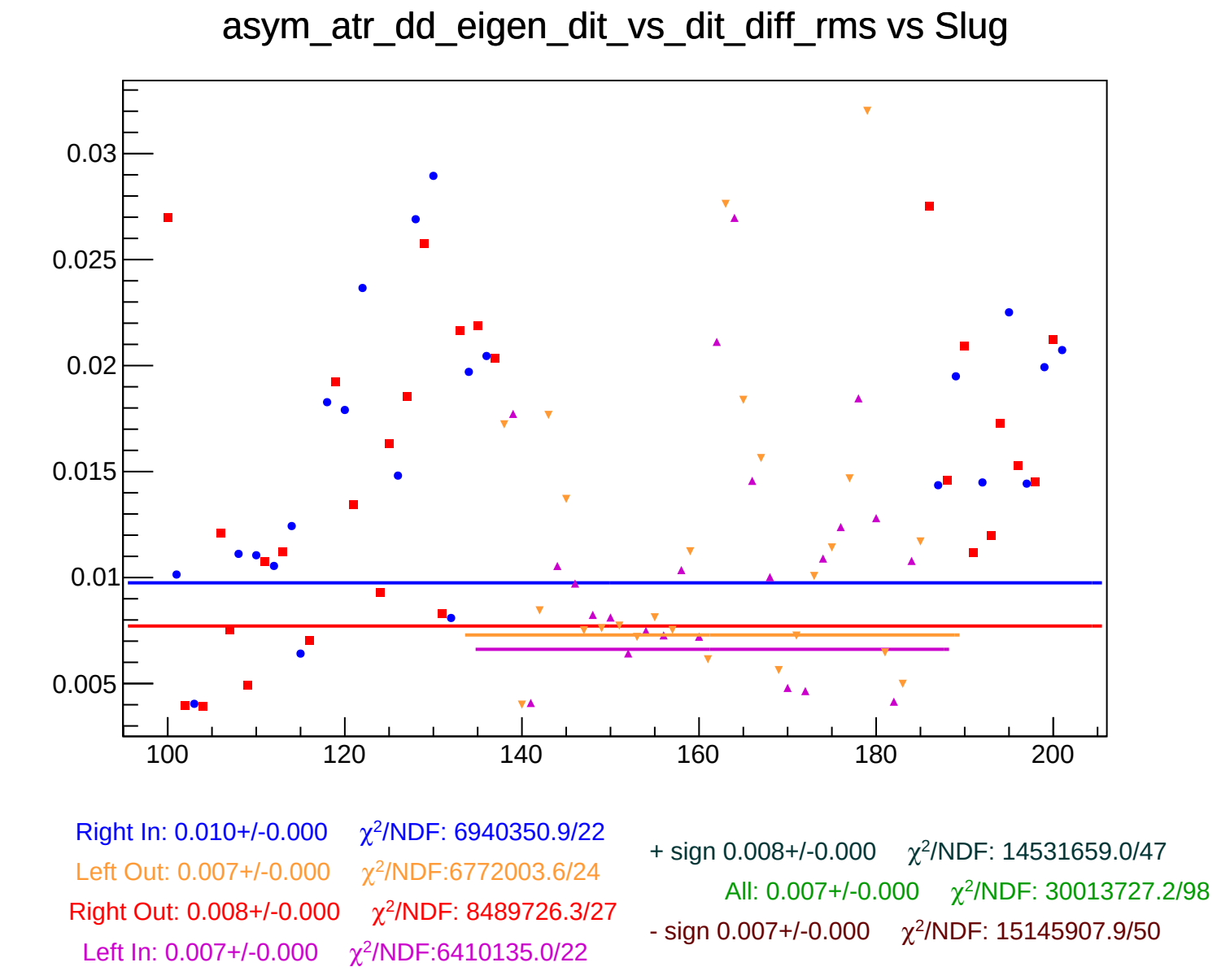
Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/27

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

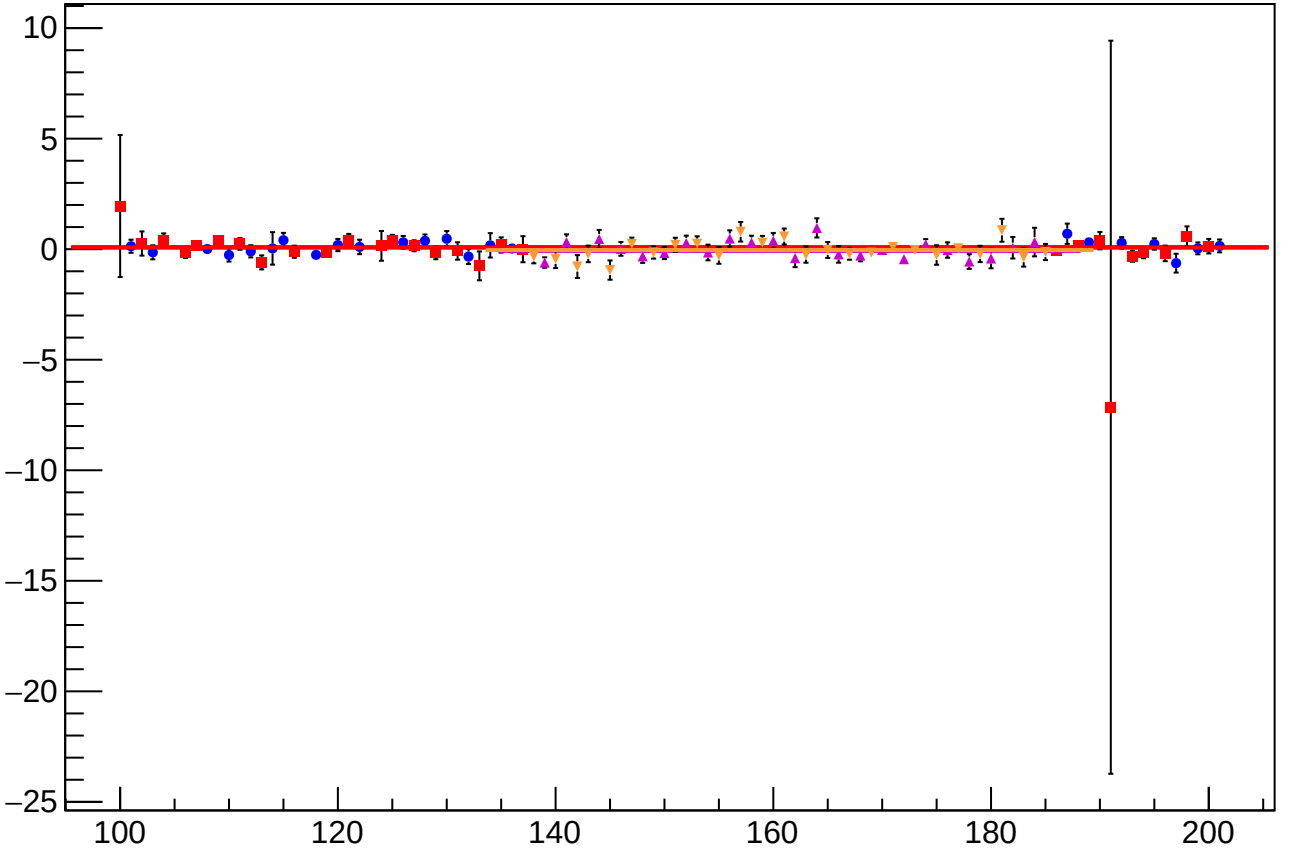
+ sign 0.000+/-0.000 χ^2/NDF: 64.8/47

All: 0.000+/-0.000 χ^2/NDF: 128.4/98

- sign 0.000+/-0.000 χ^2/NDF: 60.9/50


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: 8489726.3/27
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: 30013727.2/98
- sign 0.007+/-0.000 χ²/NDF: 15145907.9/50

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: 0.075+/-0.053 χ^2/NDF: 24.7/27

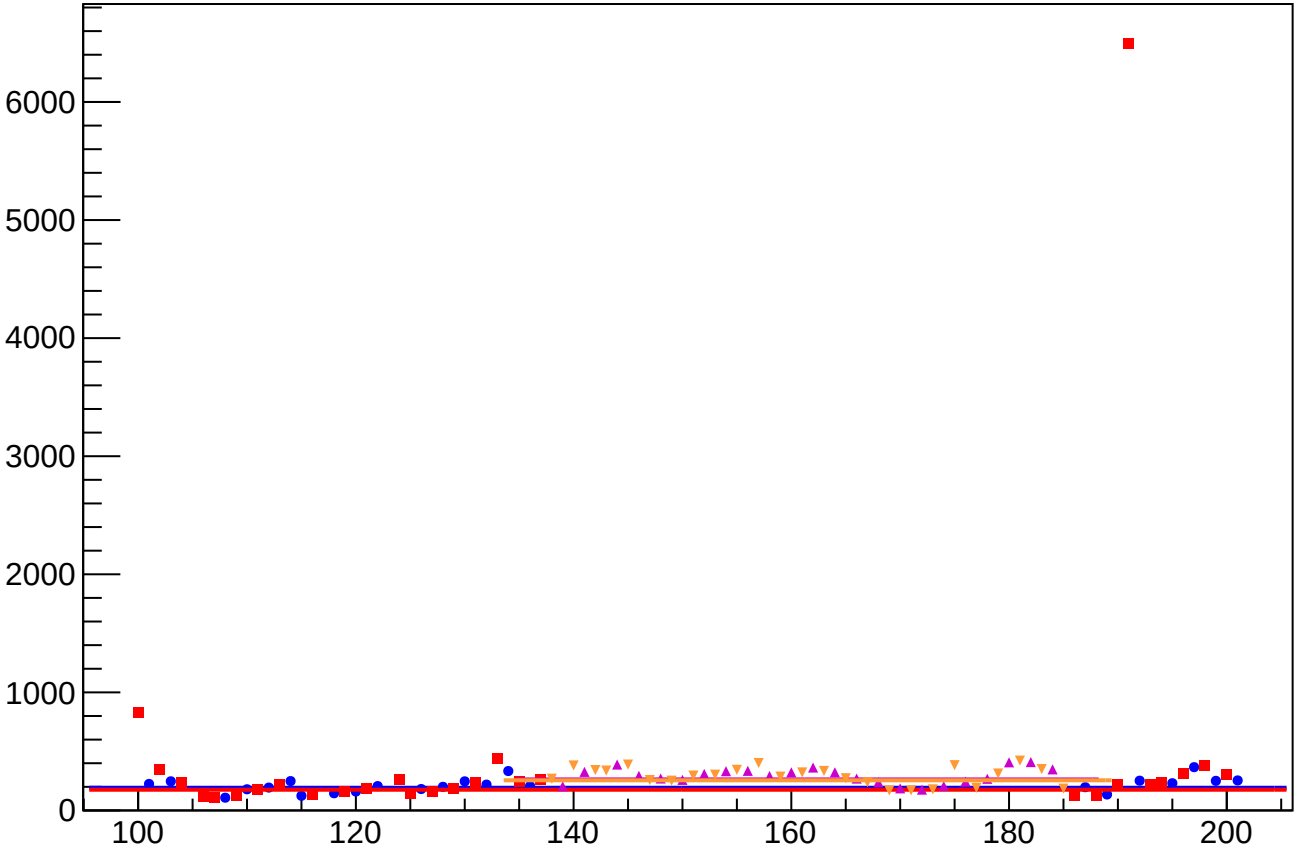
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.027+/-0.043 χ^2/NDF: 44.5/47

All: 0.020+/-0.030 χ^2/NDF: 103.7/98

- sign 0.014+/-0.041 χ^2/NDF: 59.1/50

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

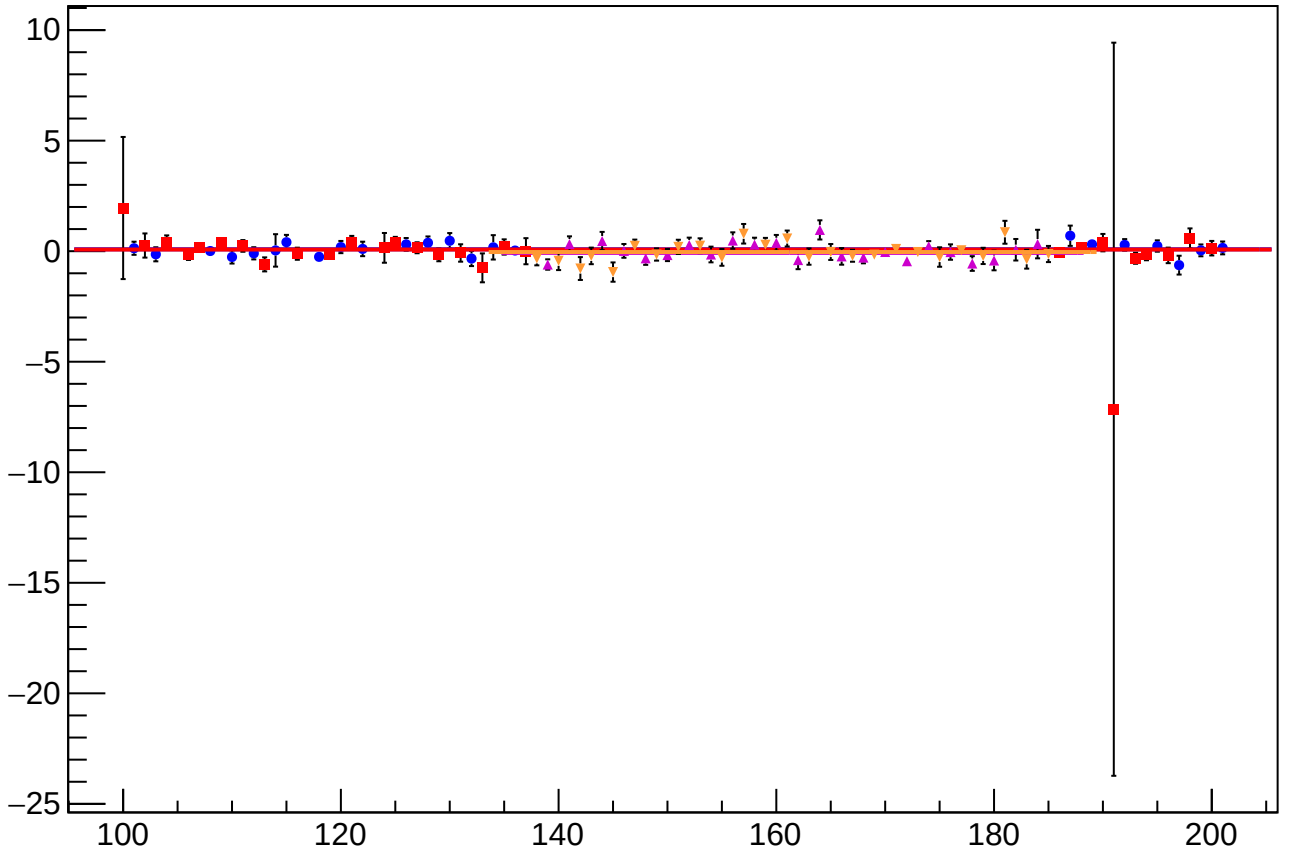
Right Out: 175.438+/-0.037 χ^2/NDF: 3315768.2/27

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 221.969+/-0.030 χ^2/NDF: 5858676.3/47

All: 215.985+/-0.021 χ^2/NDF: 13450313.5/98

- sign 210.403+/-0.029 χ^2/NDF: 7515006.8/50



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: 0.075+/-0.053 χ^2/NDF: 24.7/27

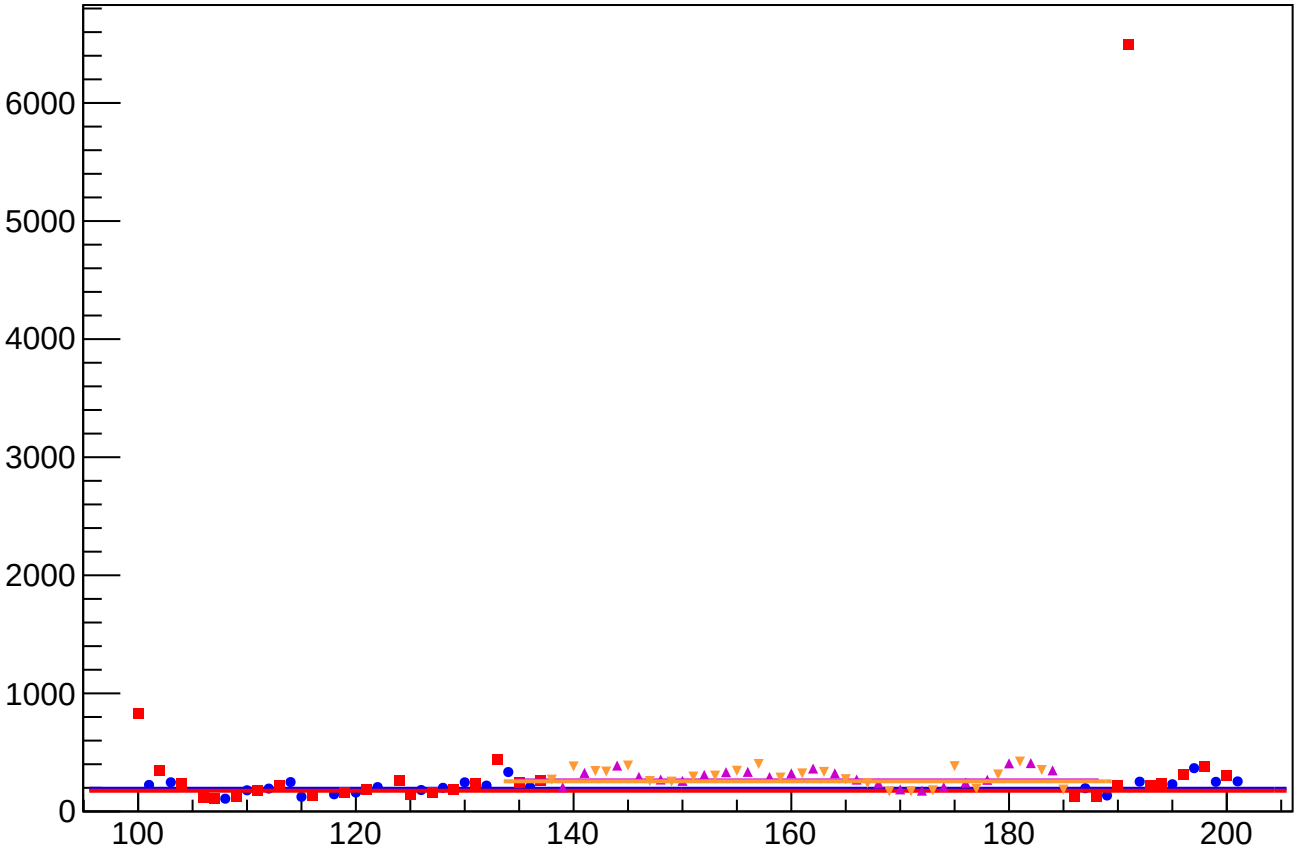
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.027+/-0.043 χ^2/NDF: 44.5/47

All: 0.020+/-0.030 χ^2/NDF: 103.7/98

- sign 0.014+/-0.041 χ^2/NDF: 59.1/50

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

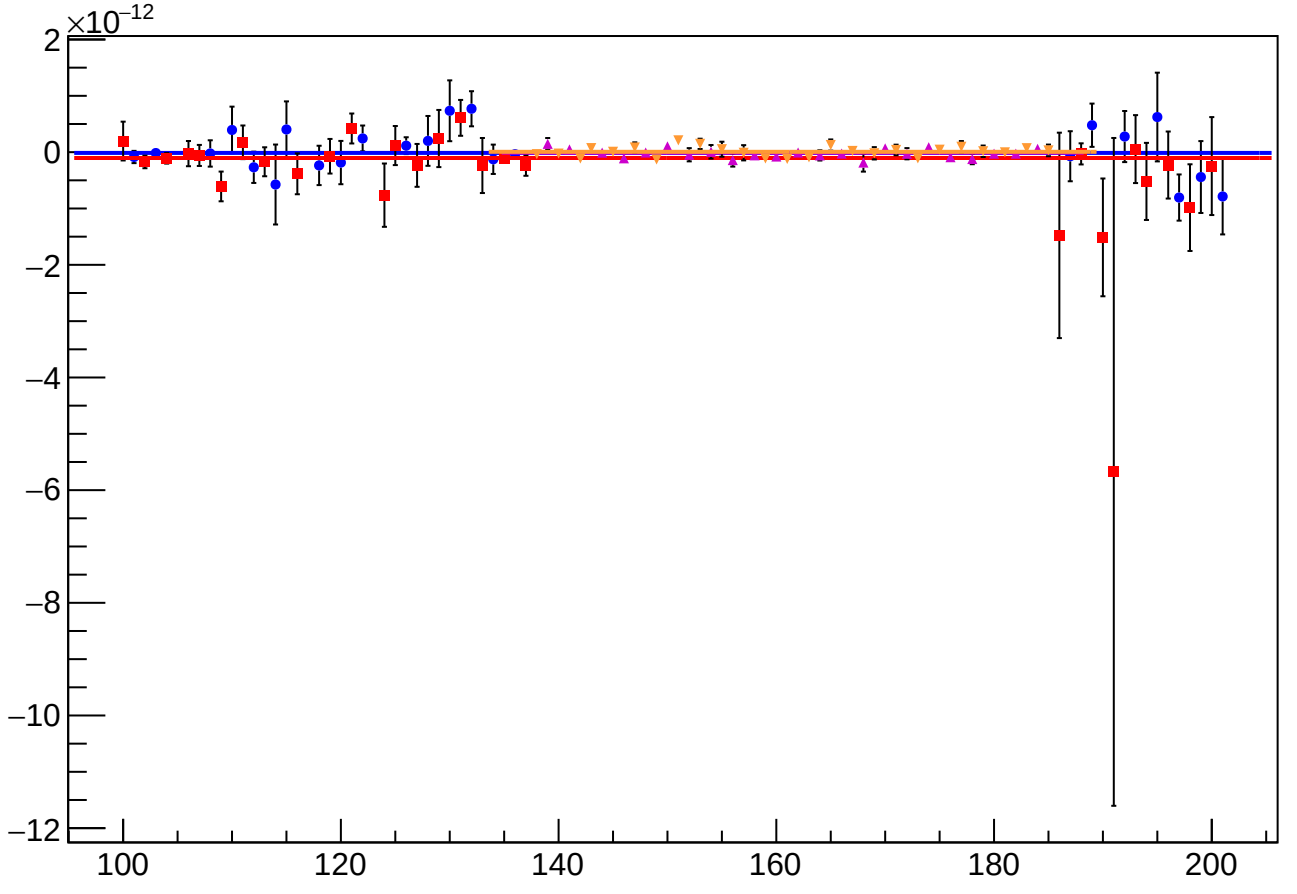
Right Out: 175.438+/-0.037 χ^2/NDF: 3315768.2/27

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 221.969+/-0.030 χ^2/NDF: 5858676.3/47

All: 215.985+/-0.021 χ^2/NDF: 13450313.5/98

- sign 210.403+/-0.029 χ^2/NDF: 7515006.8/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

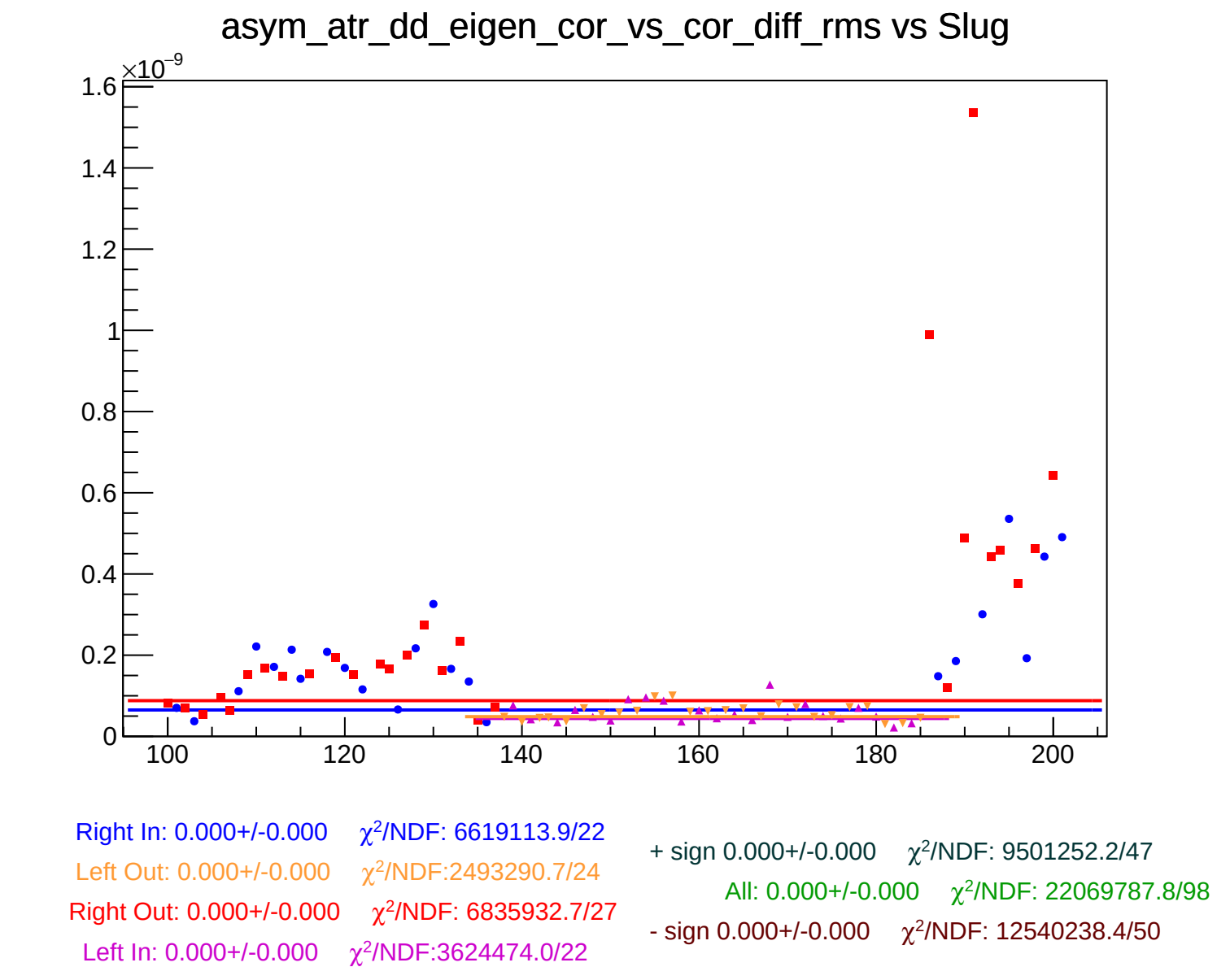
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/27

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

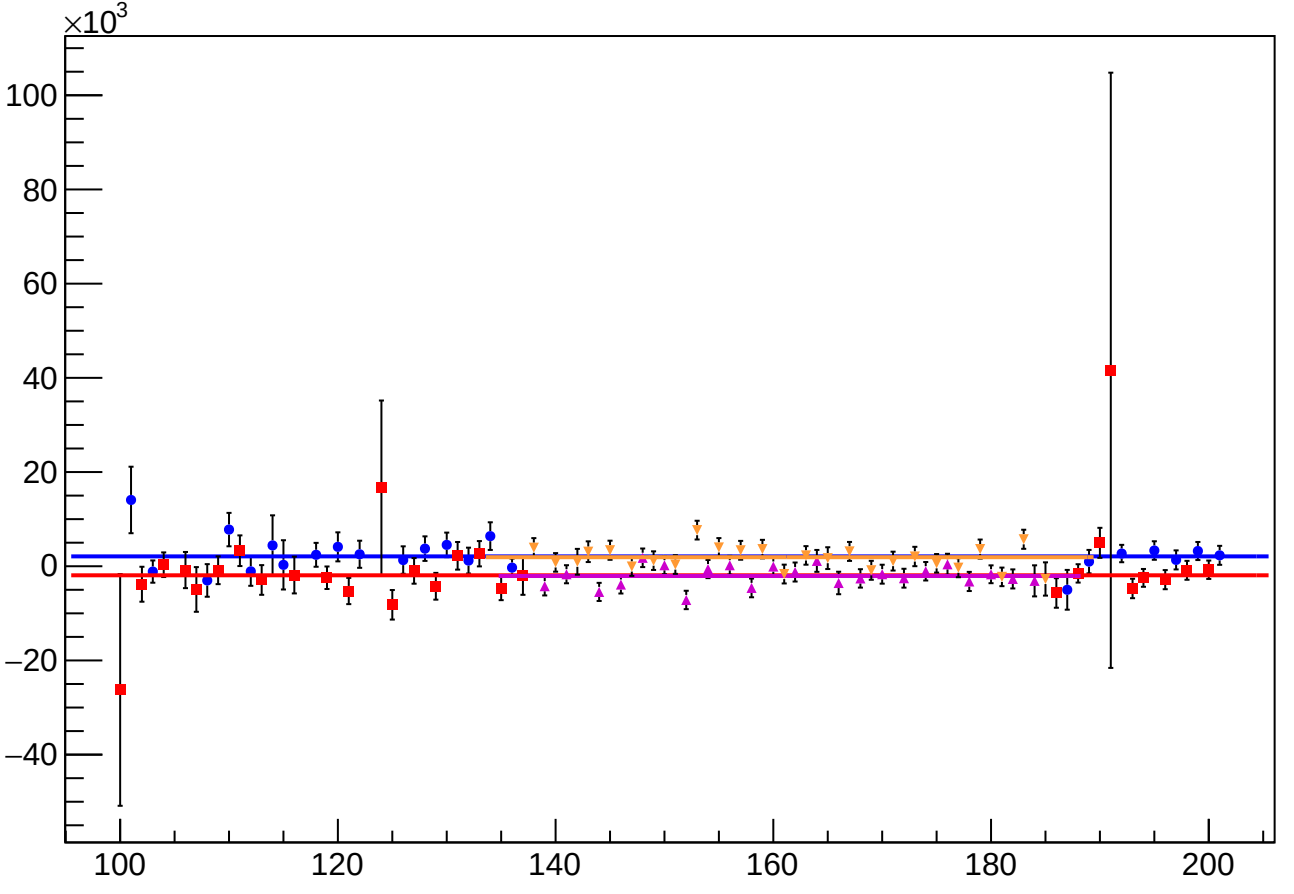
+ sign 0.000+/-0.000 χ^2/NDF: 54.0/47

All: -0.000+/-0.000 χ^2/NDF: 105.2/98

- sign -0.000+/-0.000 χ^2/NDF: 49.8/50


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: 6835932.7/27
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: 22069787.8/98
- sign 0.000+/-0.000 χ²/NDF: 12540238.4/50

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: -1922.208+/-529.047 χ^2/NDF: 27.9/27

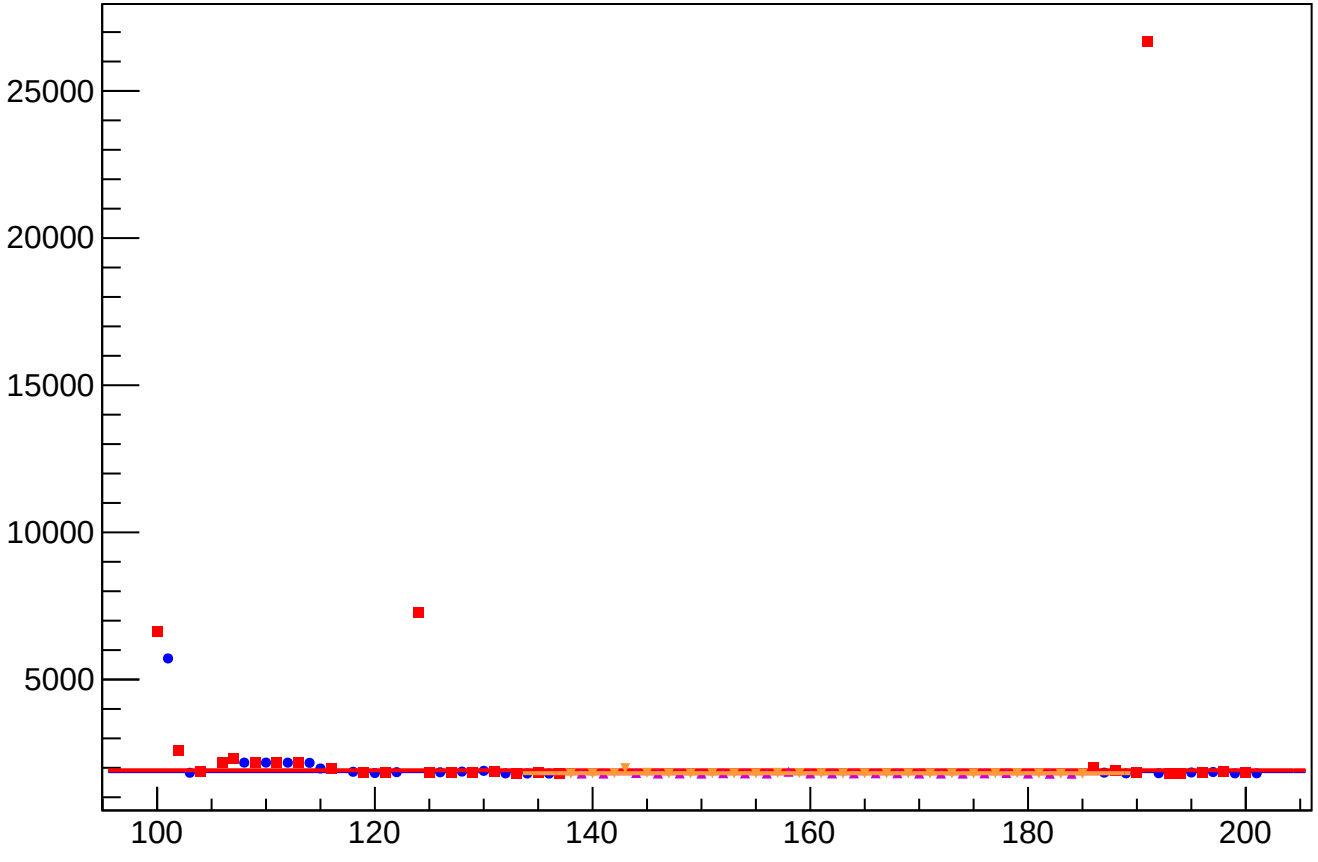
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1984.275+/-328.916 χ^2/NDF: 53.1/47

All: -5.849+/-233.129 χ^2/NDF: 181.1/98

- sign -2014.895+/-330.476 χ^2/NDF: 54.5/50

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: 1916.410+/-0.374 χ^2/NDF: 722464.6/27

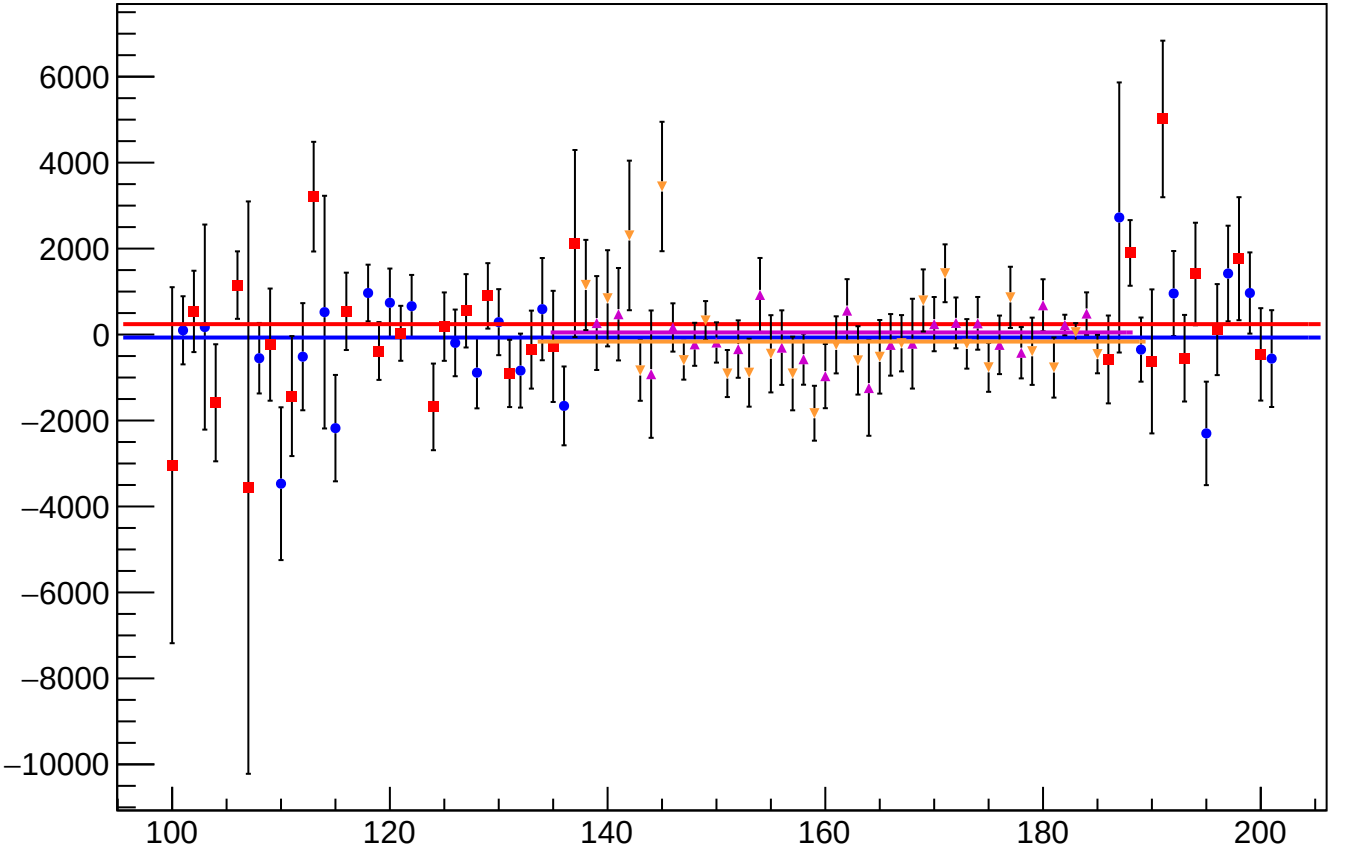
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.832+/-0.233 χ^2/NDF: 693225.6/47

All: 1847.929+/-0.165 χ^2/NDF: 1465675.3/98

- sign 1853.074+/-0.234 χ^2/NDF: 771484.9/50

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: 242.258+/-190.521 χ^2/NDF: 35.9/27

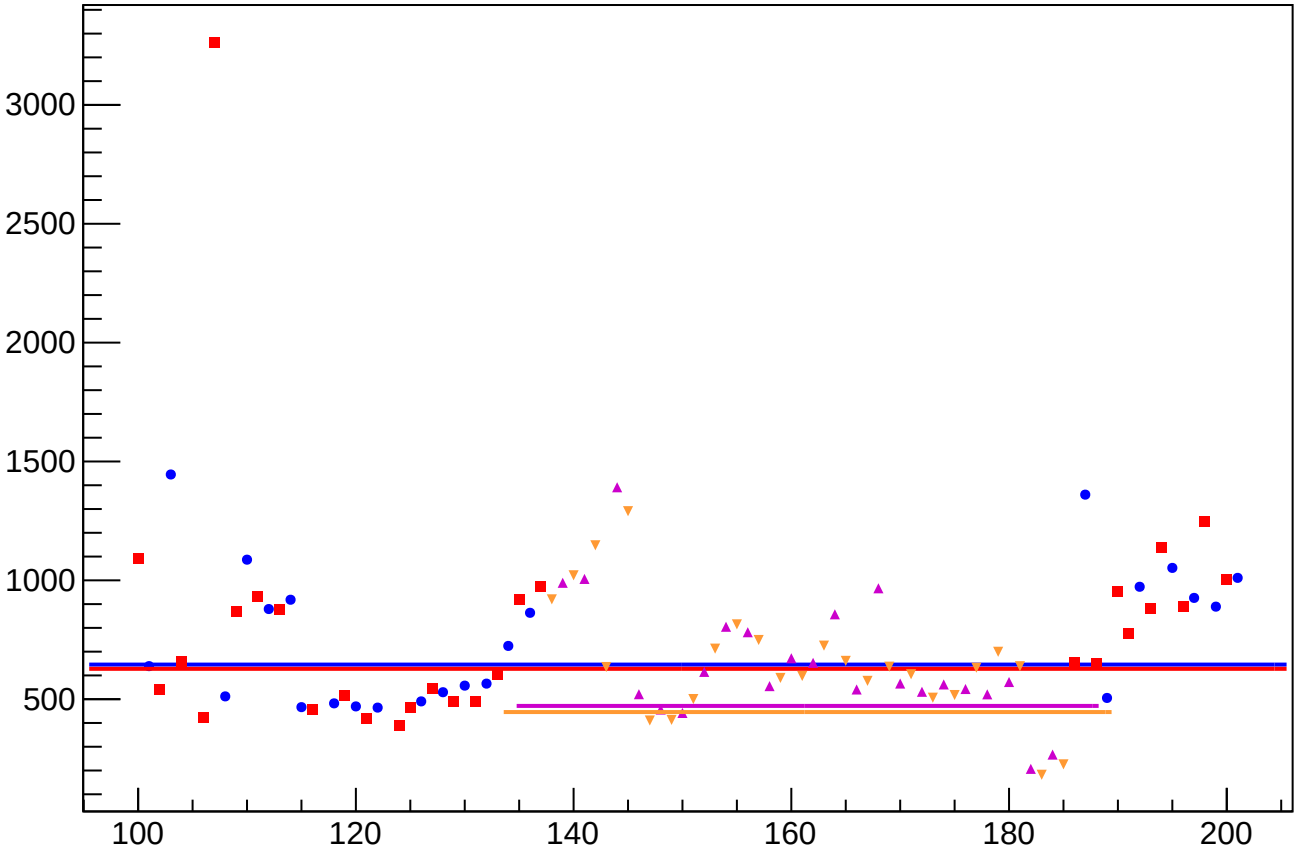
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -139.527+/-99.807 χ^2/NDF: 62.6/47

All: -20.879+/-71.728 χ^2/NDF: 113.5/98

- sign 105.856+/-103.153 χ^2/NDF: 48.0/50

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: 627.749+/-0.135 χ^2/NDF: 2887311.7/27

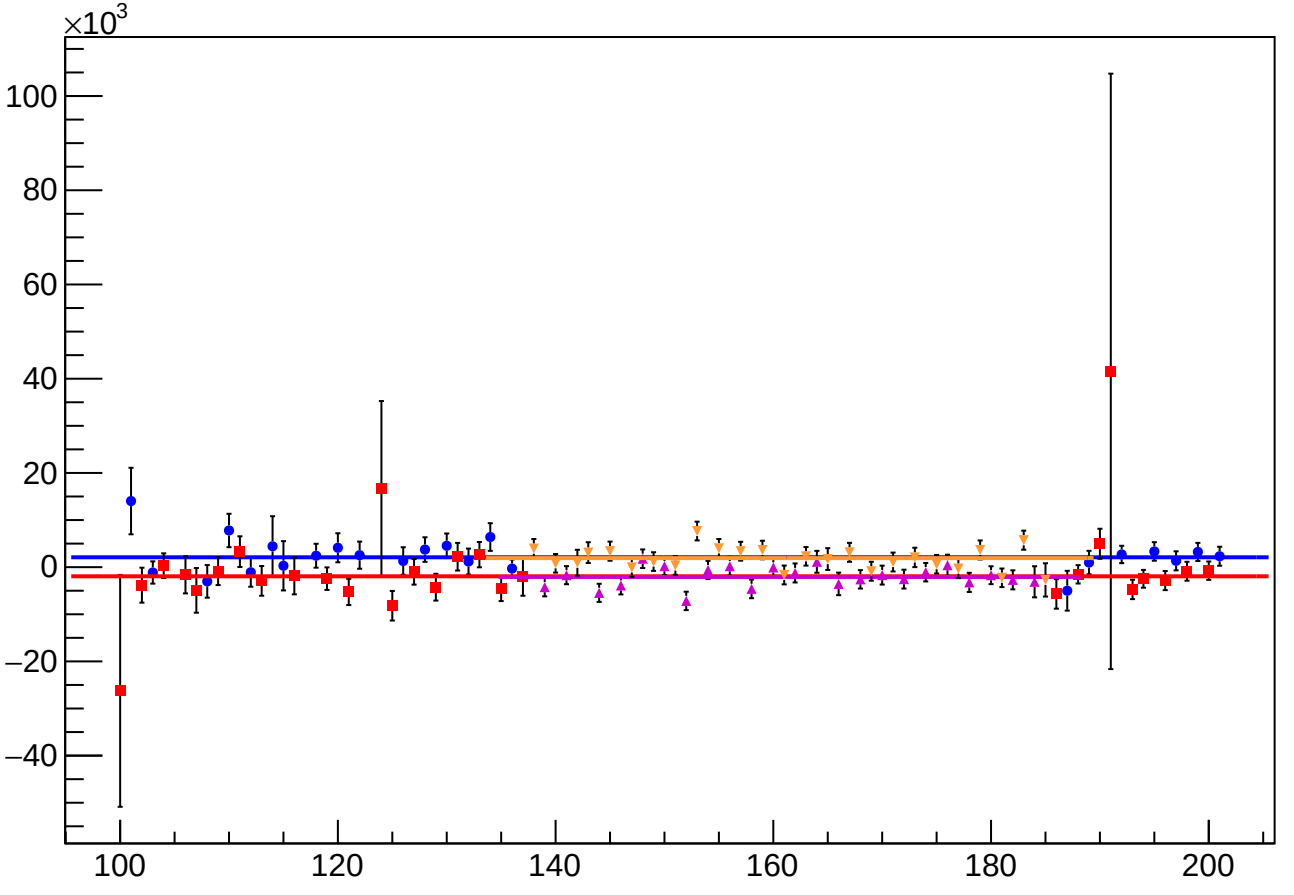
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 495.943+/-0.071 χ^2/NDF: 11740900.9/47

All: 506.355+/-0.051 χ^2/NDF: 22034990.9/98

- sign 517.476+/-0.073 χ^2/NDF: 10249077.2/50

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: -1938.211+/-529.287 χ^2/NDF: 27.8/27

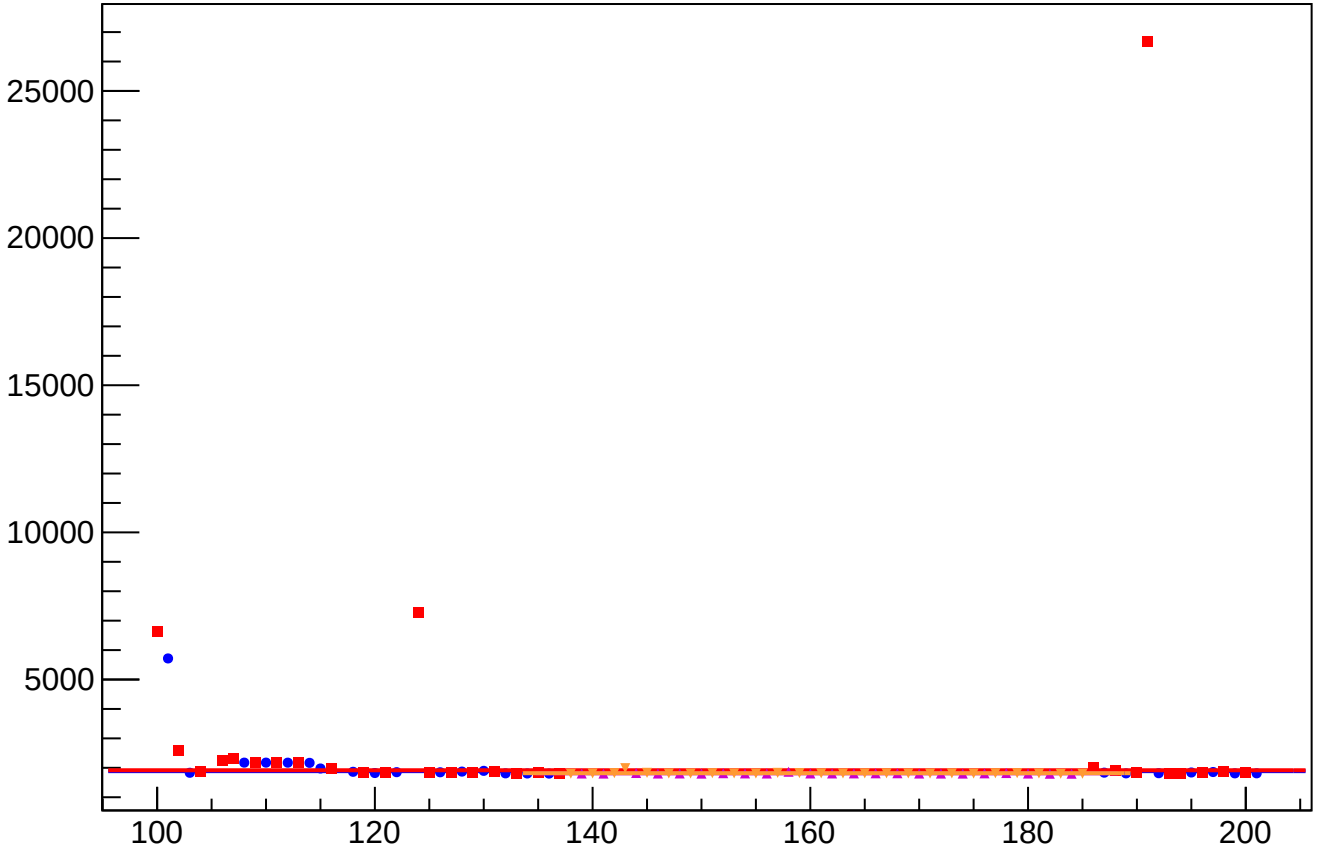
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1984.218+/-328.916 χ^2/NDF: 53.1/47

All: -8.676+/-233.149 χ^2/NDF: 181.2/98

- sign -2021.231+/-330.535 χ^2/NDF: 54.4/50

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: 1917.077+/-0.374 χ^2/NDF: 725919.8/27

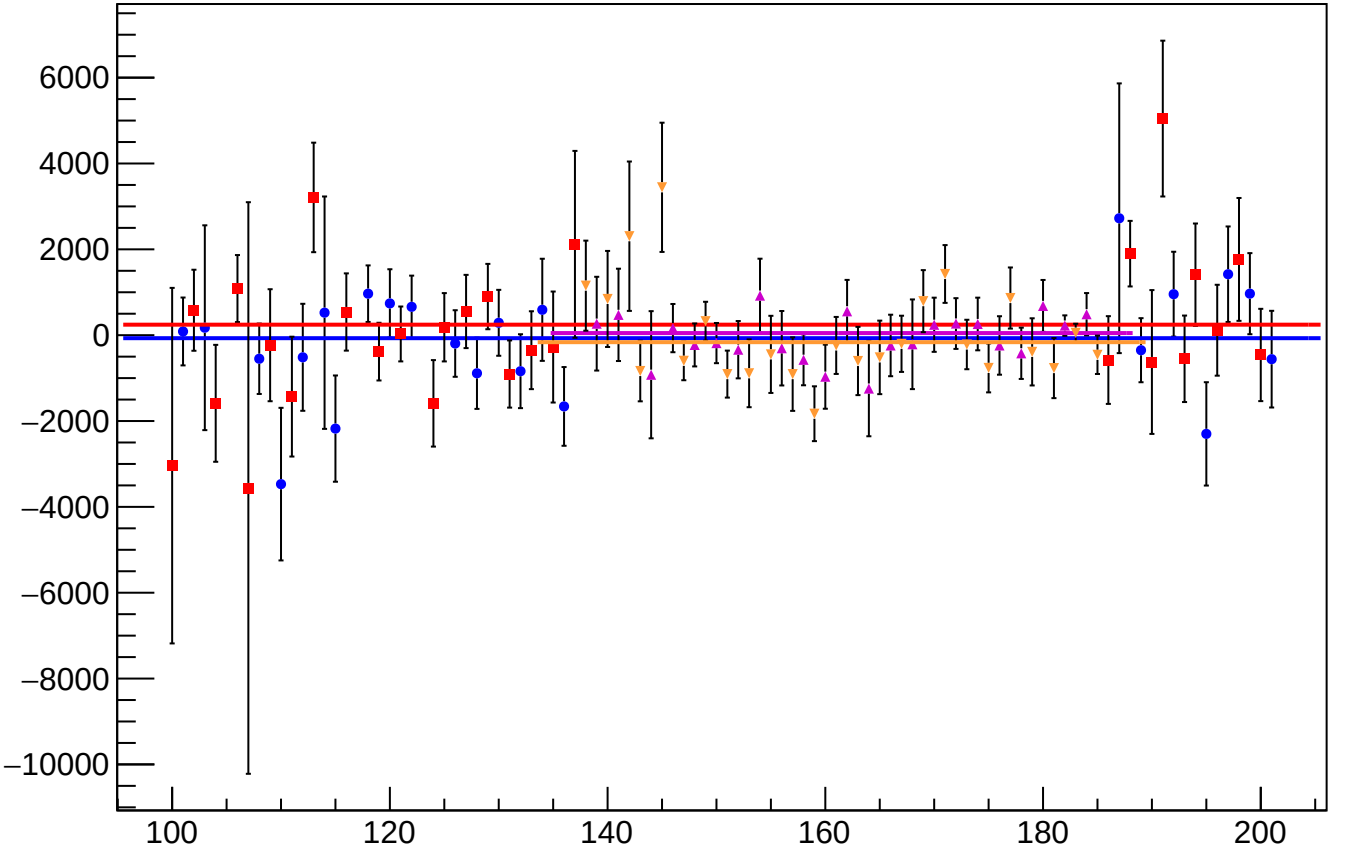
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.832+/-0.233 χ^2/NDF: 693225.5/47

All: 1848.046+/-0.165 χ^2/NDF: 1469755.2/98

- sign 1853.311+/-0.234 χ^2/NDF: 775519.6/50

asym_at1_avg_cor_correction_mean vs Slug



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: 244.772+/-190.426 χ^2/NDF: 35.6/27

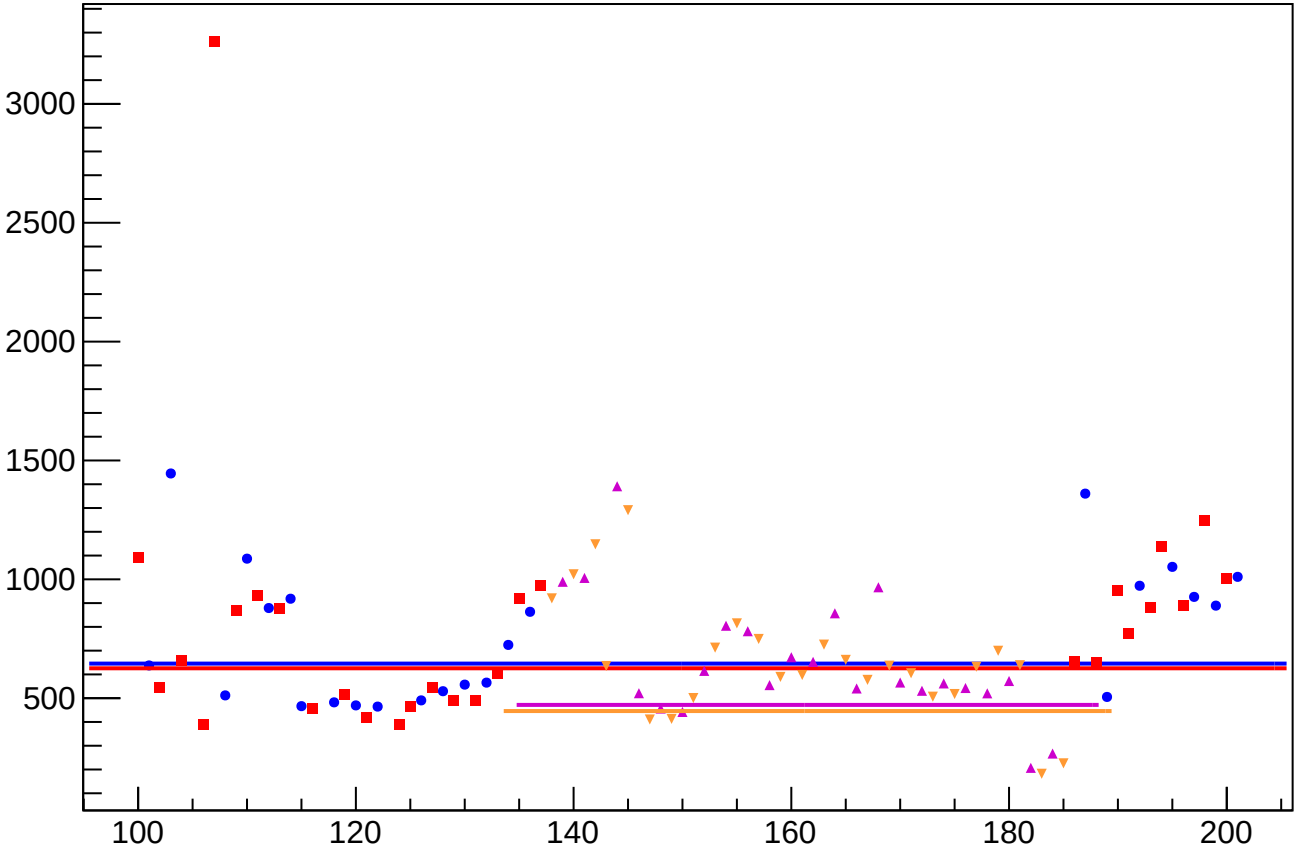
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -139.611+/-99.801 χ^2/NDF: 62.6/47

All: -20.531+/-71.721 χ^2/NDF: 113.2/98

- sign 106.649+/-103.139 χ^2/NDF: 47.6/50

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: 625.743+/-0.135 χ^2/NDF: 2936056.5/27

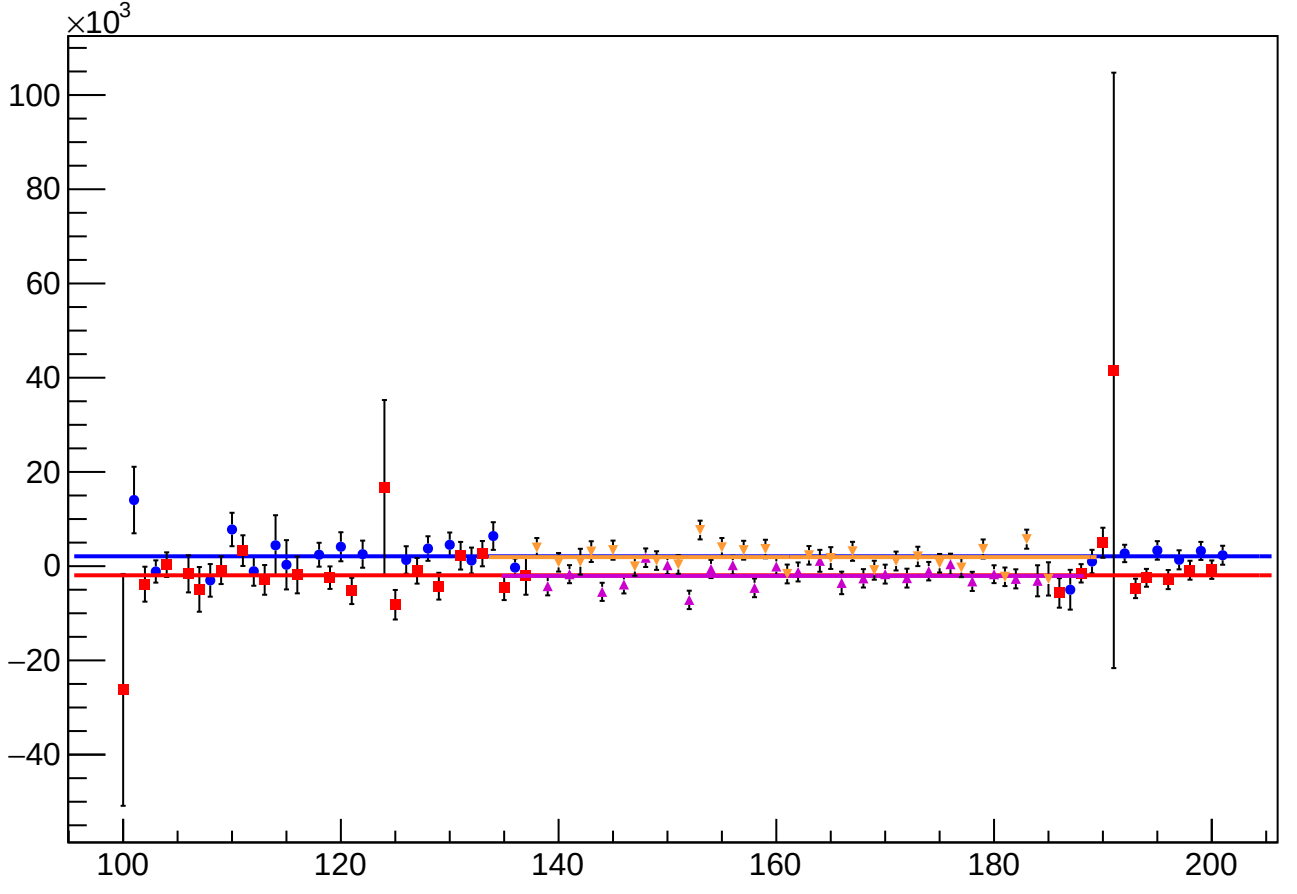
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 495.911+/-0.071 χ^2/NDF: 11741896.1/47

All: 506.074+/-0.051 χ^2/NDF: 22058673.3/98

- sign 516.929+/-0.073 χ^2/NDF: 10273881.2/50

eigen_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: -1938.211+/-529.287 χ^2/NDF: 27.8/27

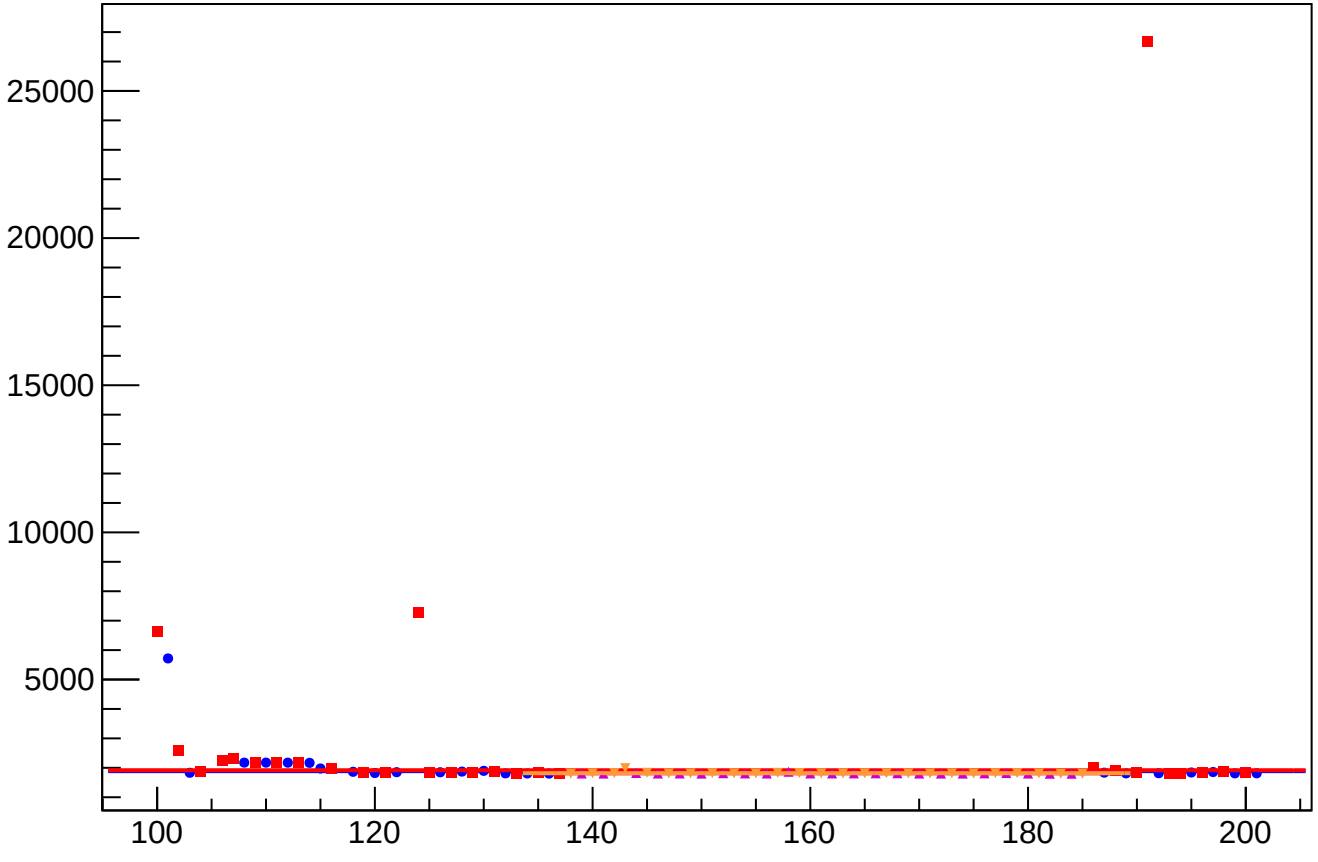
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1984.218+/-328.916 χ^2/NDF: 53.1/47

All: -8.676+/-233.149 χ^2/NDF: 181.2/98

- sign -2021.231+/-330.535 χ^2/NDF: 54.4/50

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

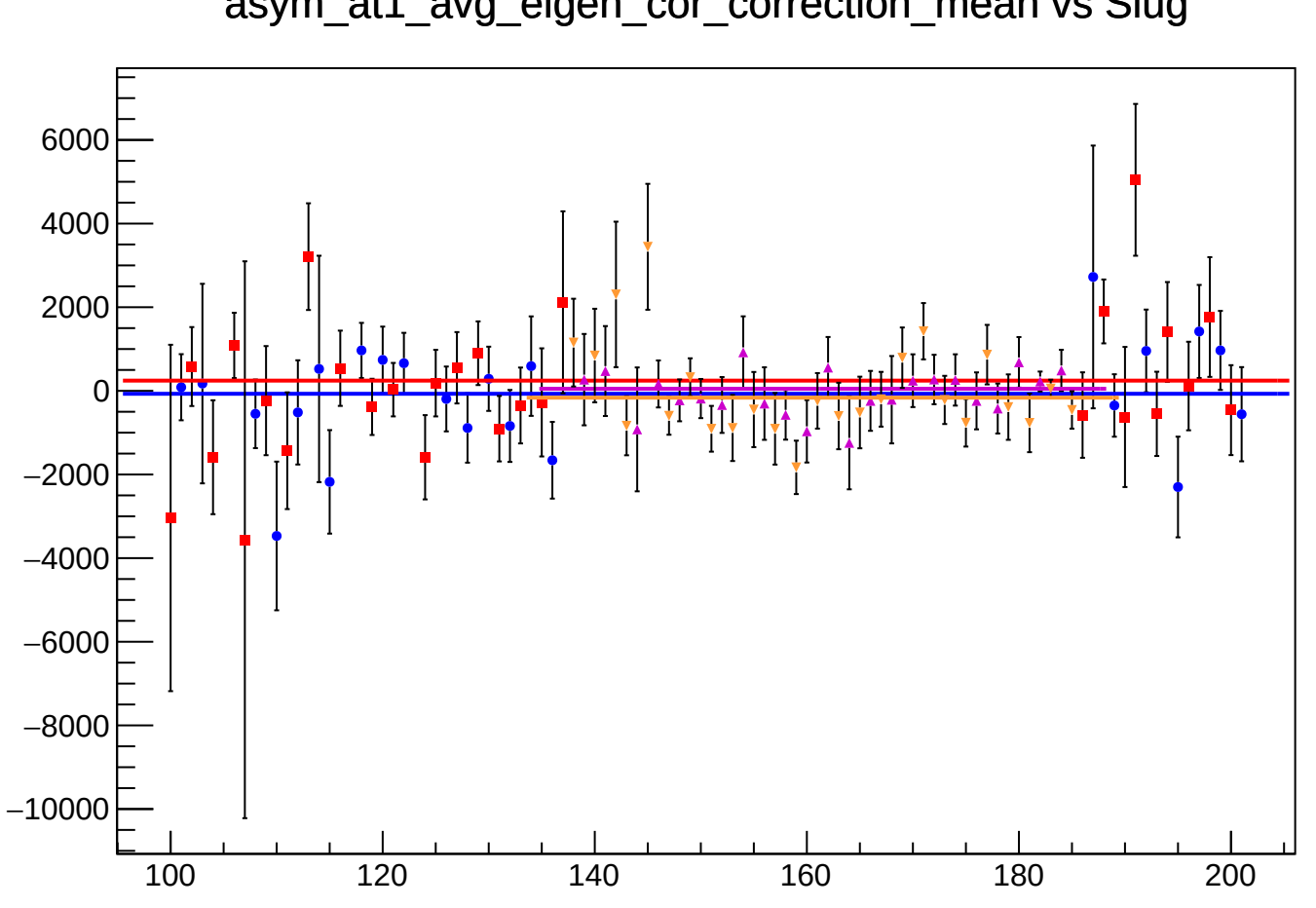
Right Out: 1917.077+/-0.374 χ^2/NDF: 725919.8/27

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.832+/-0.233 χ^2/NDF: 693225.5/47

All: 1848.046+/-0.165 χ^2/NDF: 1469755.2/98

- sign 1853.311+/-0.234 χ^2/NDF: 775519.6/50



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: 244.772+/-190.426 χ^2/NDF: 35.6/27

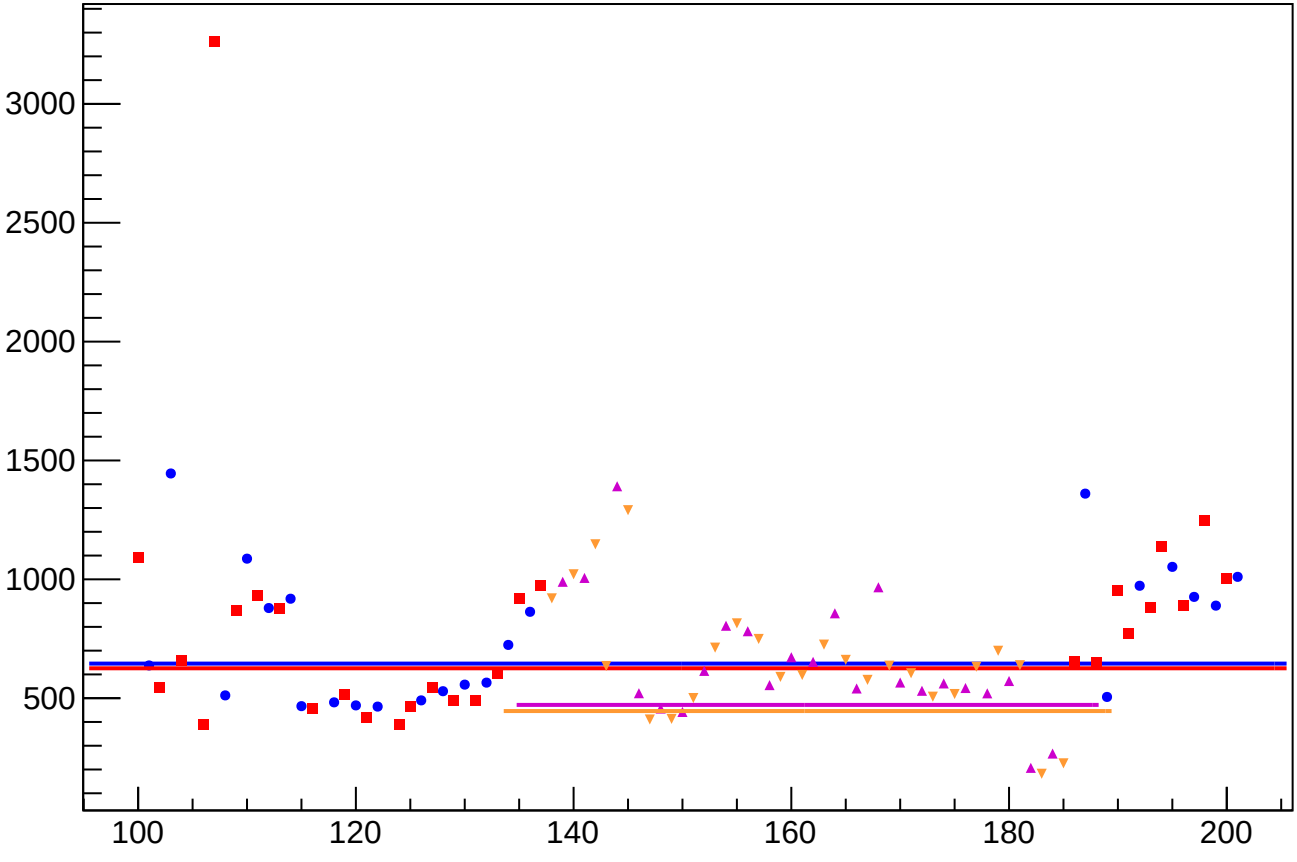
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

\+ sign -139.611+/-99.801 χ^2/NDF: 62.6/47

All: -20.531+/-71.721 χ^2/NDF: 113.2/98

\- sign 106.649+/-103.139 χ^2/NDF: 47.6/50

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: 625.743+/-0.135 χ^2/NDF: 2936056.5/27

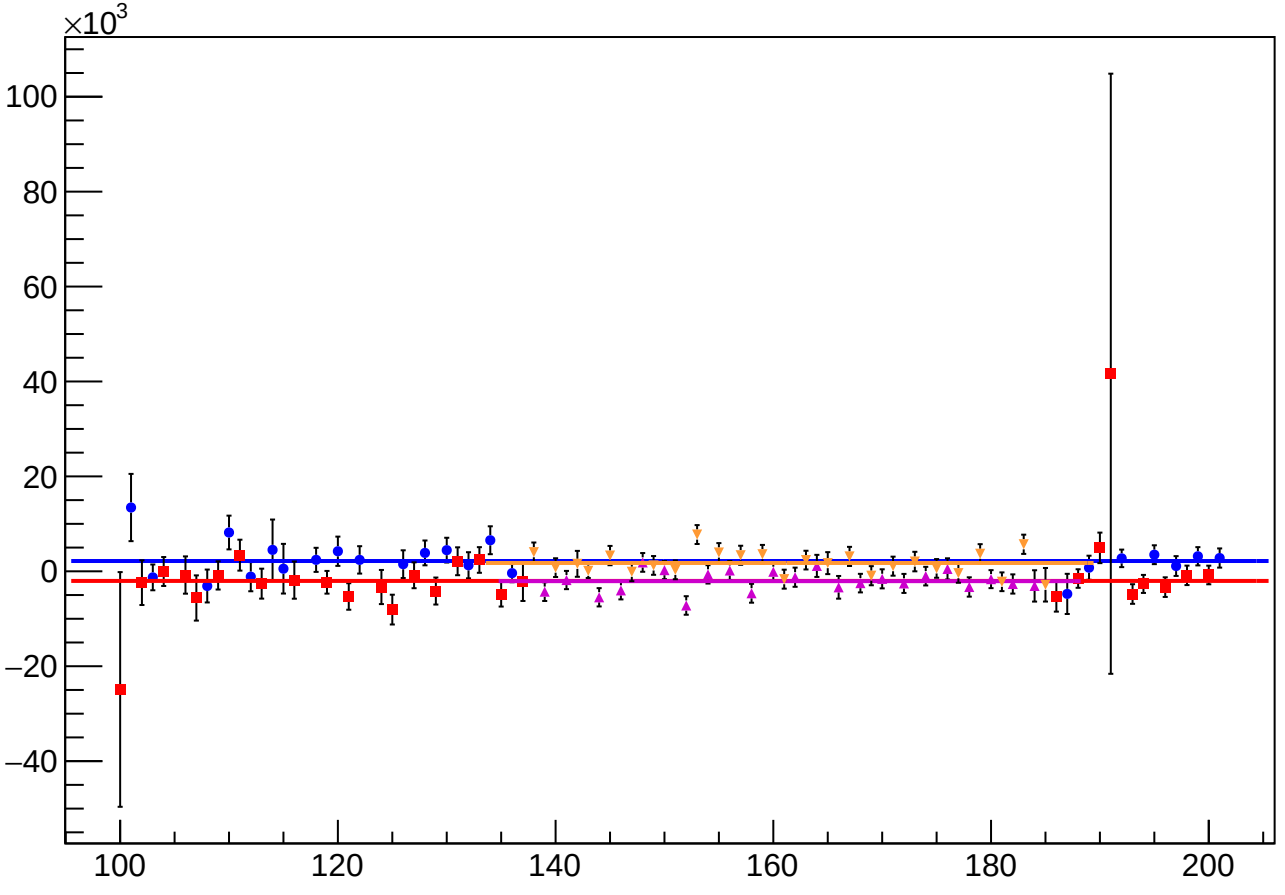
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 495.911+/-0.071 χ^2/NDF: 11741896.1/47

All: 506.074+/-0.051 χ^2/NDF: 22058673.3/98

- sign 516.929+/-0.073 χ^2/NDF: 10273881.2/50

dit_asym_at1_avg_mean vs Slug



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: -2026.118+/-531.248 χ^2/NDF: 26.1/27

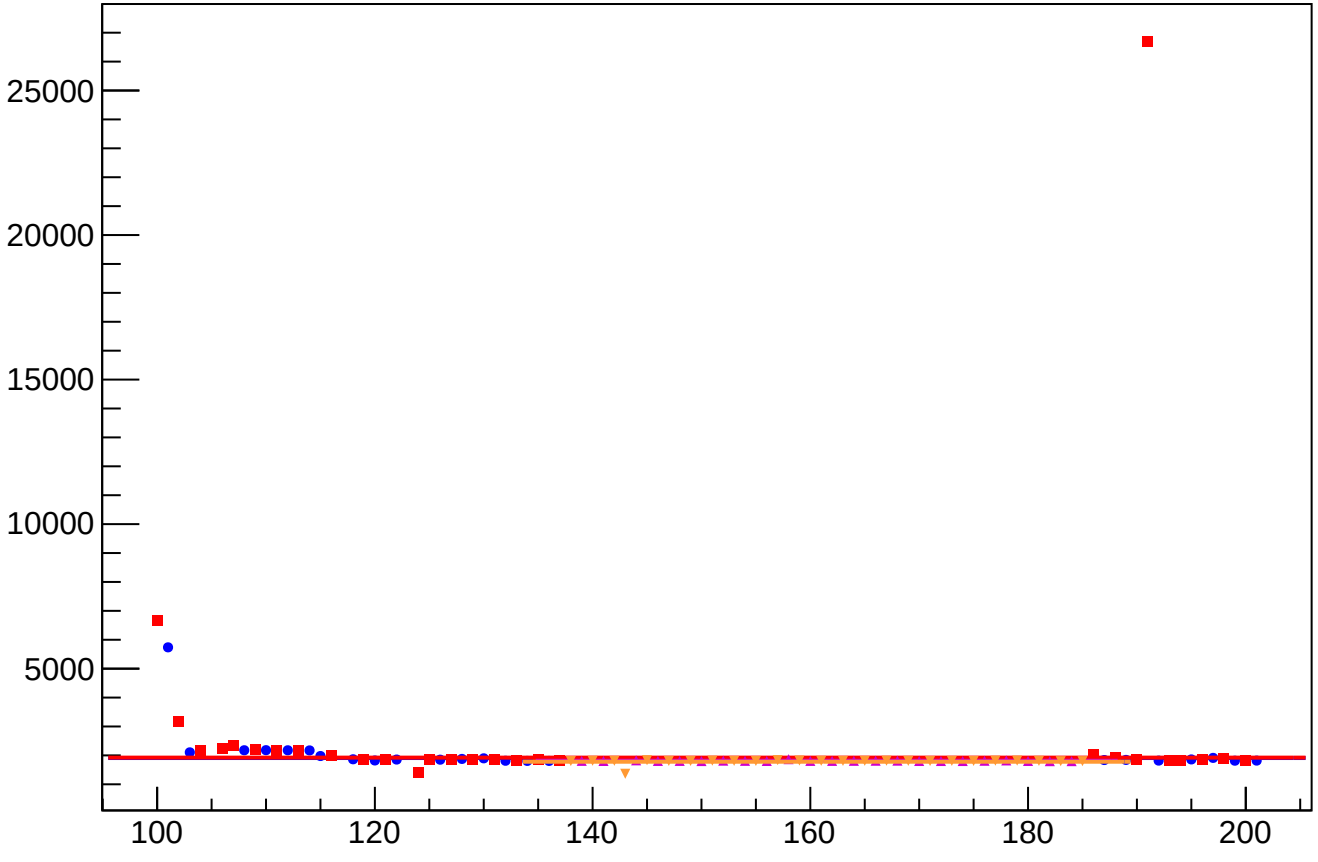
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1901.087+/-326.456 χ^2/NDF: 54.8/47

All: -48.301+/-232.507 χ^2/NDF: 180.3/98

- sign -2055.045+/-331.224 χ^2/NDF: 53.1/50

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: 1922.672+/-0.376 χ^2/NDF: 683054.1/27

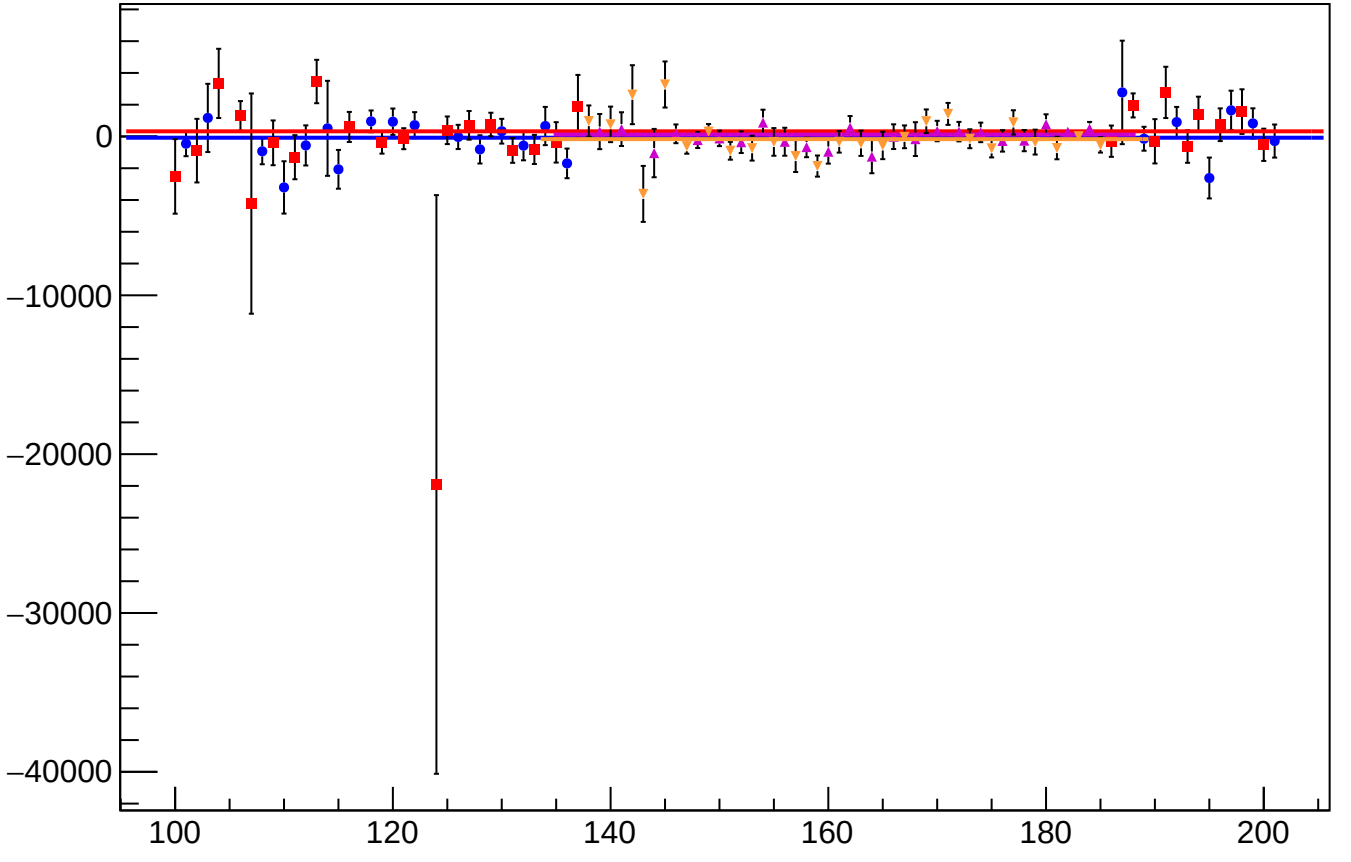
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1825.871+/-0.231 χ^2/NDF: 902049.9/47

All: 1840.968+/-0.164 χ^2/NDF: 1646628.2/98

- sign 1856.510+/-0.234 χ^2/NDF: 735897.6/50

asym_at1_avg_dit_correction_mean vs Slug



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: 323.957+/-200.712 χ^2/NDF: 31.6/27

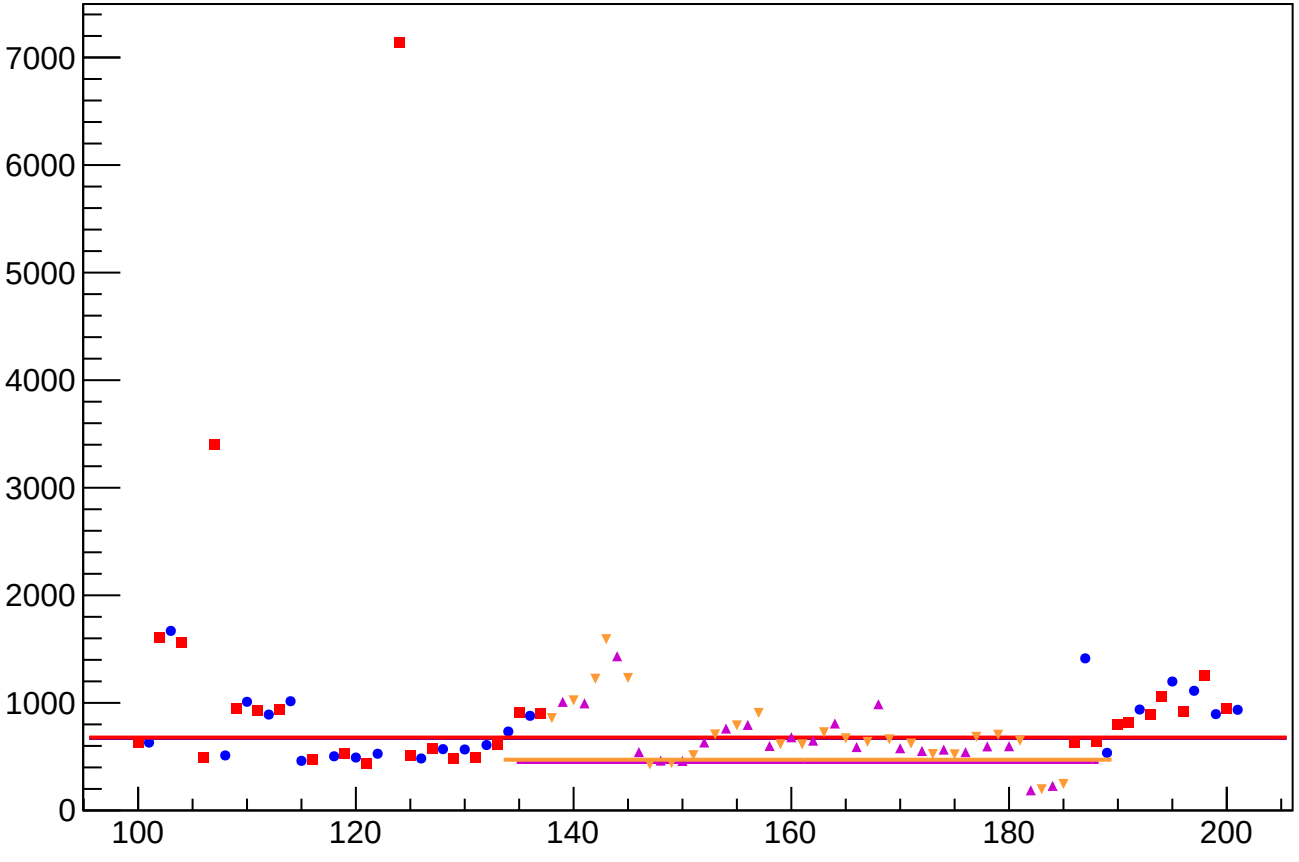
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -144.479+/-104.451 χ^2/NDF: 64.5/47

All: 15.949+/-73.286 χ^2/NDF: 113.8/98

- sign 171.499+/-102.851 χ^2/NDF: 44.7/50

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: 677.709+/-0.142 χ^2/NDF: 3486762.0/27

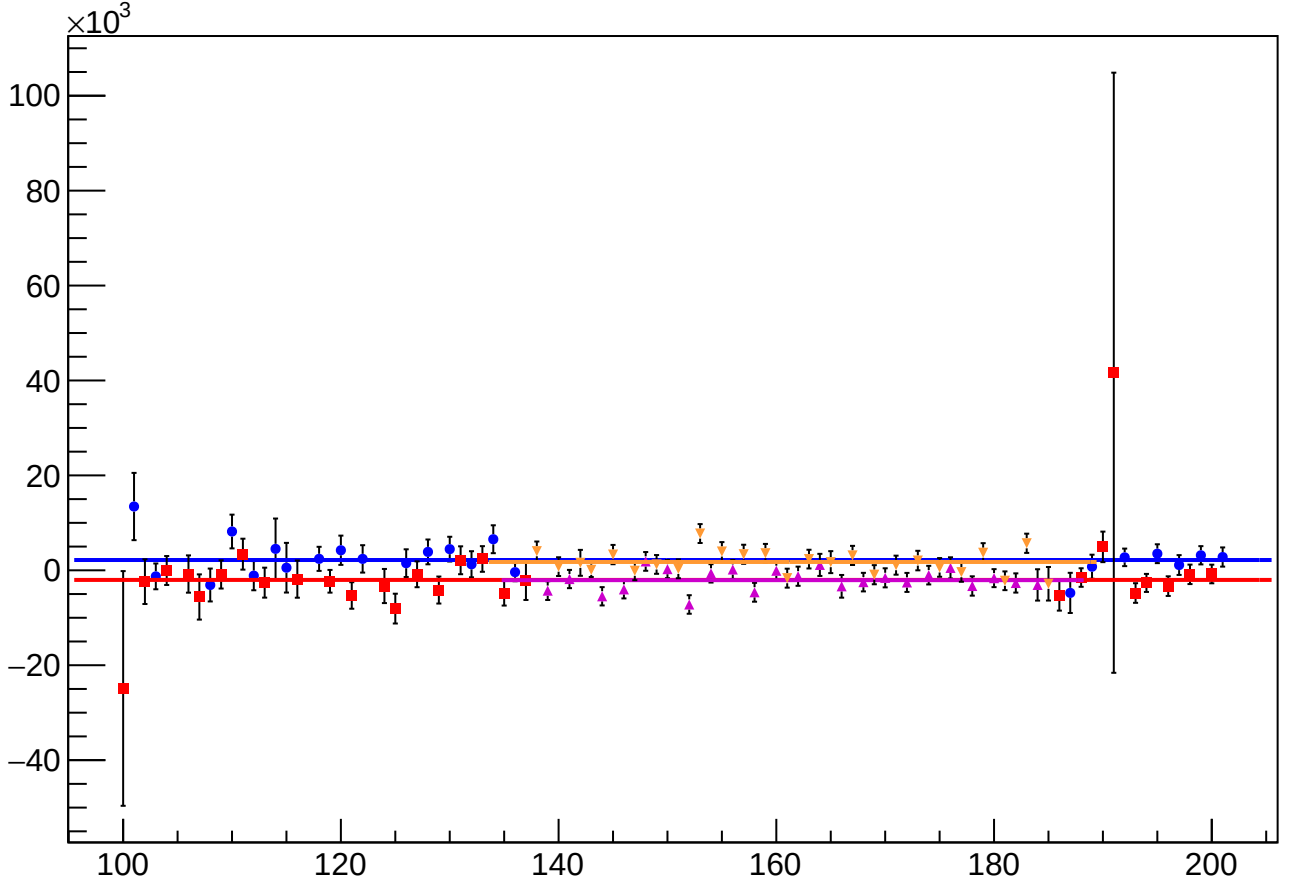
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 524.706+/-0.074 χ^2/NDF: 12029500.9/47

All: 517.379+/-0.052 χ^2/NDF: 25351379.7/98

- sign 510.274+/-0.073 χ^2/NDF: 13302493.4/50

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: -2026.115+/-531.248 χ^2/NDF: 26.1/27

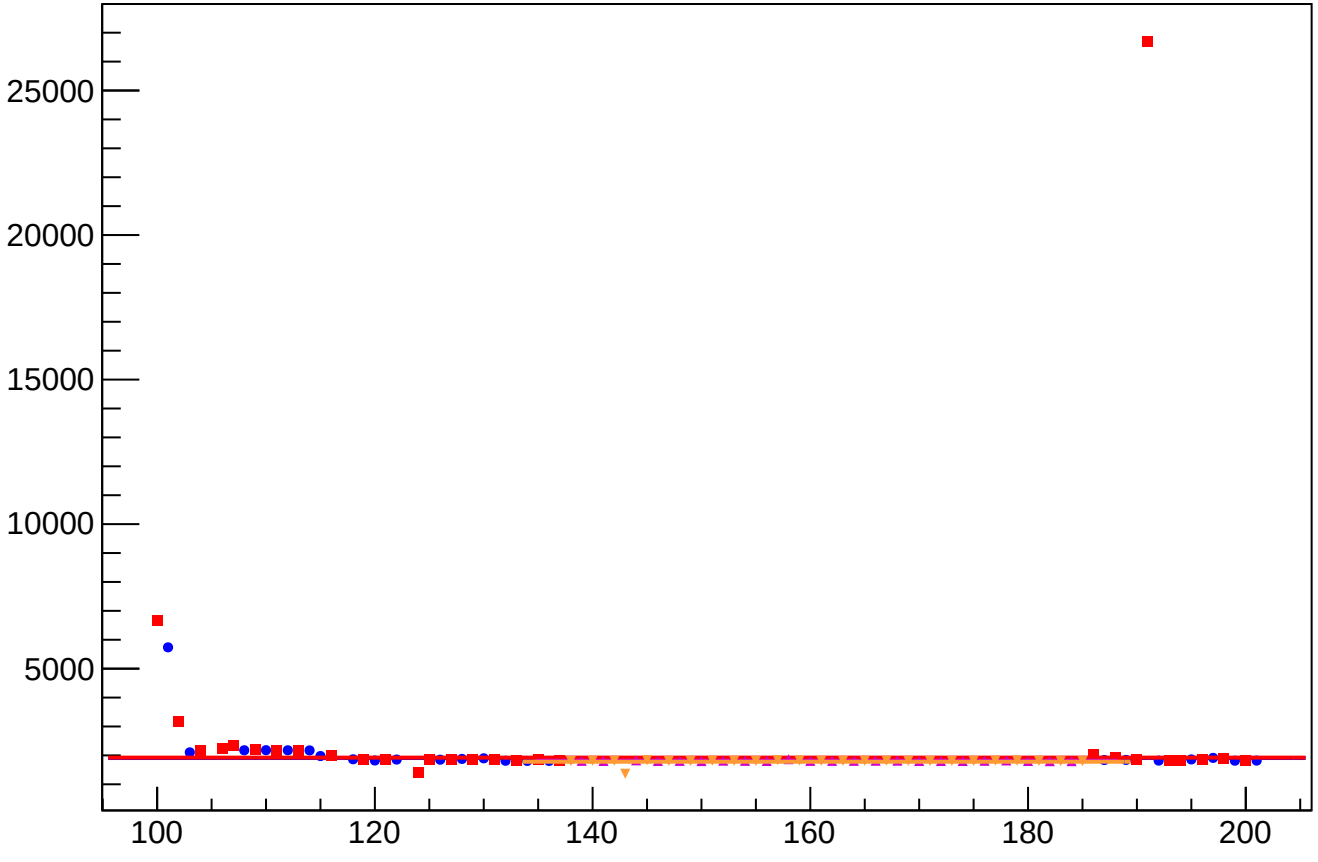
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1901.087+/-326.456 χ^2/NDF: 54.8/47

All: -48.301+/-232.507 χ^2/NDF: 180.3/98

- sign -2055.044+/-331.224 χ^2/NDF: 53.1/50

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: 1922.672+/-0.376 χ^2/NDF: 683052.7/27

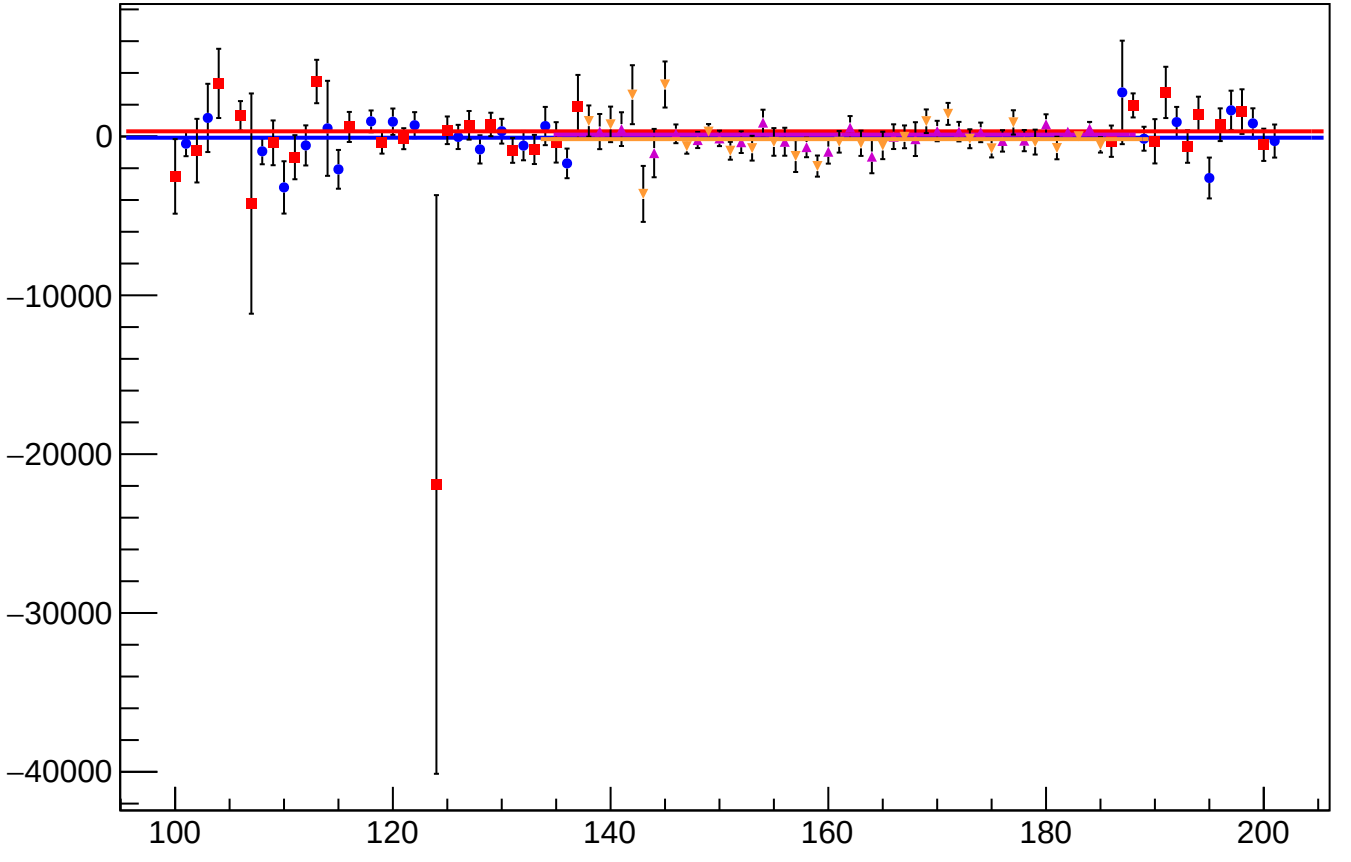
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1825.871+/-0.231 χ^2/NDF: 902049.4/47

All: 1840.968+/-0.164 χ^2/NDF: 1646626.1/98

- sign 1856.510+/-0.234 χ^2/NDF: 735896.1/50

asym_at1_avg_eigen_dit_correction_mean vs Slug



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: 323.957+/-200.712 χ^2/NDF: 31.6/27

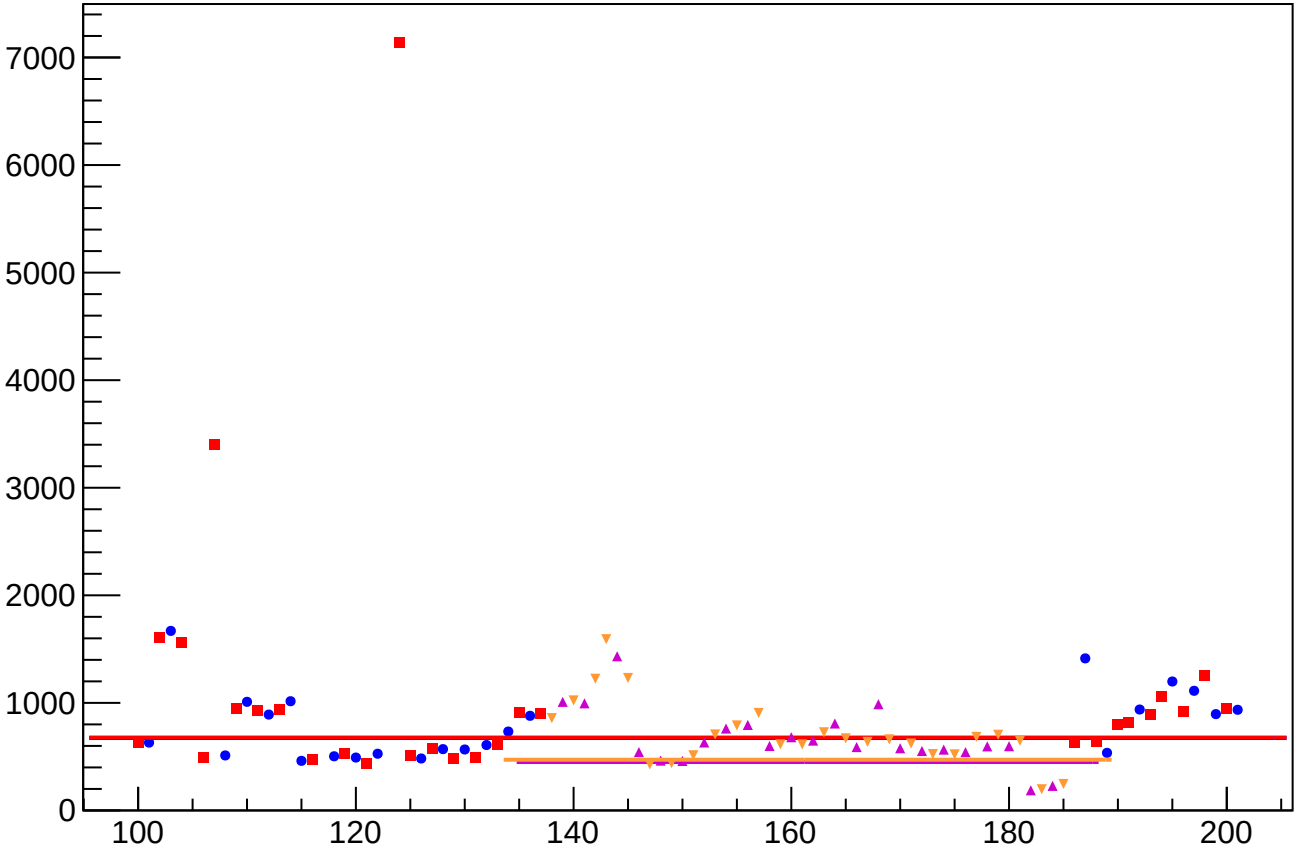
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -144.479+/-104.451 χ^2/NDF: 64.5/47

All: 15.949+/-73.286 χ^2/NDF: 113.8/98

- sign 171.500+/-102.851 χ^2/NDF: 44.7/50

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: 677.709+/-0.142 χ^2/NDF: 3486780.3/27

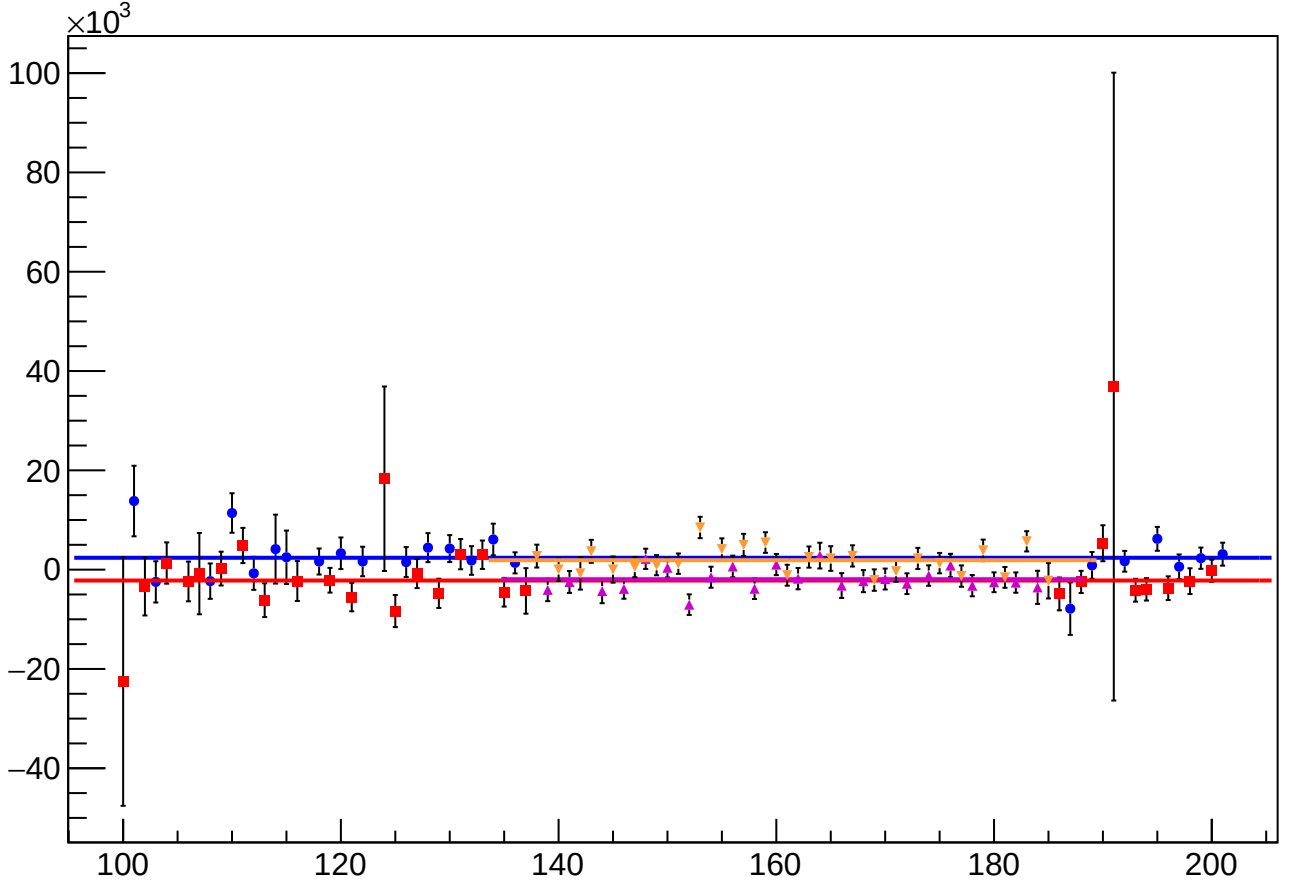
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 524.706+/-0.074 χ^2/NDF: 12029497.7/47

All: 517.379+/-0.052 χ^2/NDF: 25351353.7/98

- sign 510.275+/-0.073 χ^2/NDF: 13302471.3/50

asym_at1_avg_mean vs Slug



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: -2192.011+/-600.792 χ^2/NDF: 29.5/27

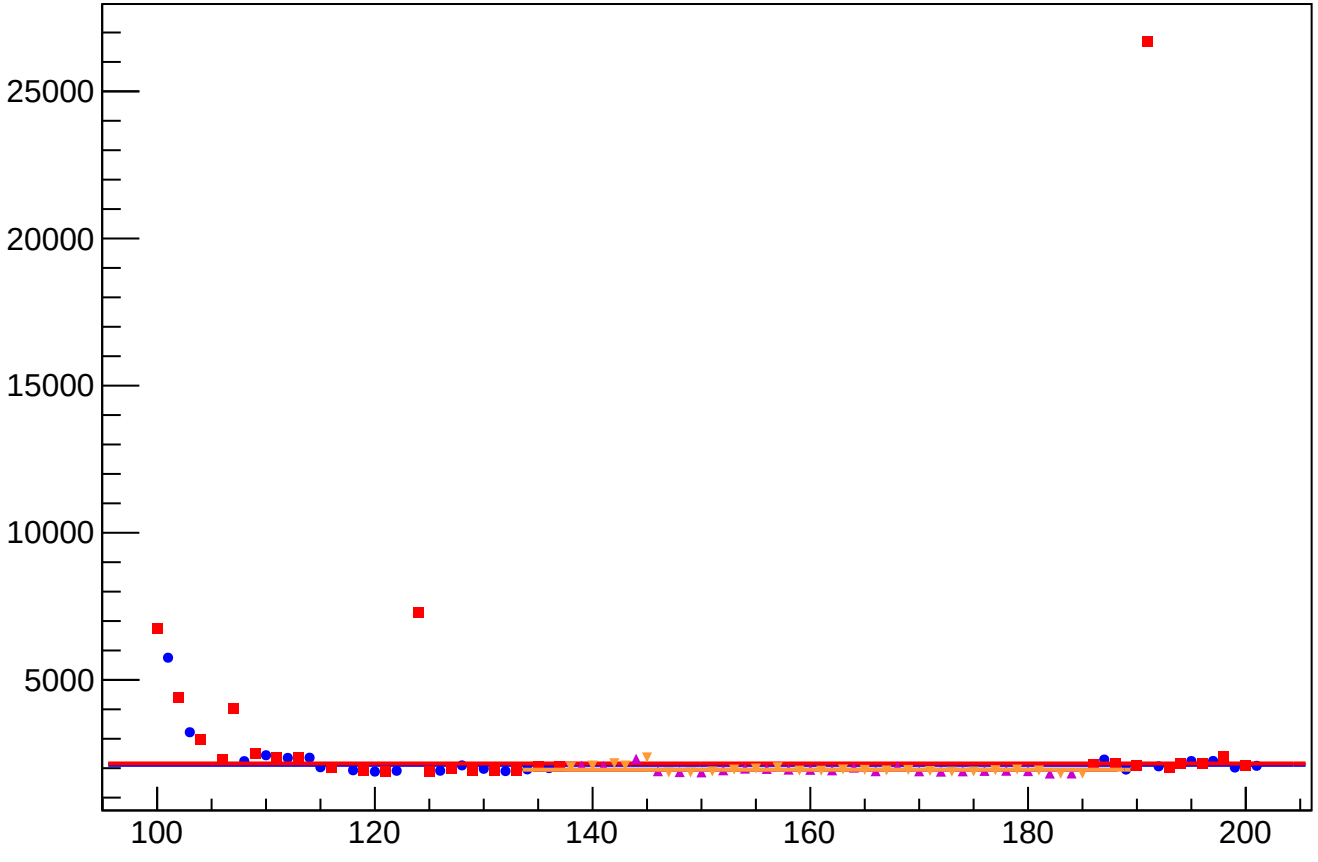
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2074.062+/-359.128 χ^2/NDF: 58.7/47

All: 45.423+/-255.181 χ^2/NDF: 177.6/98

- sign -2023.290+/-362.658 χ^2/NDF: 54.4/50

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

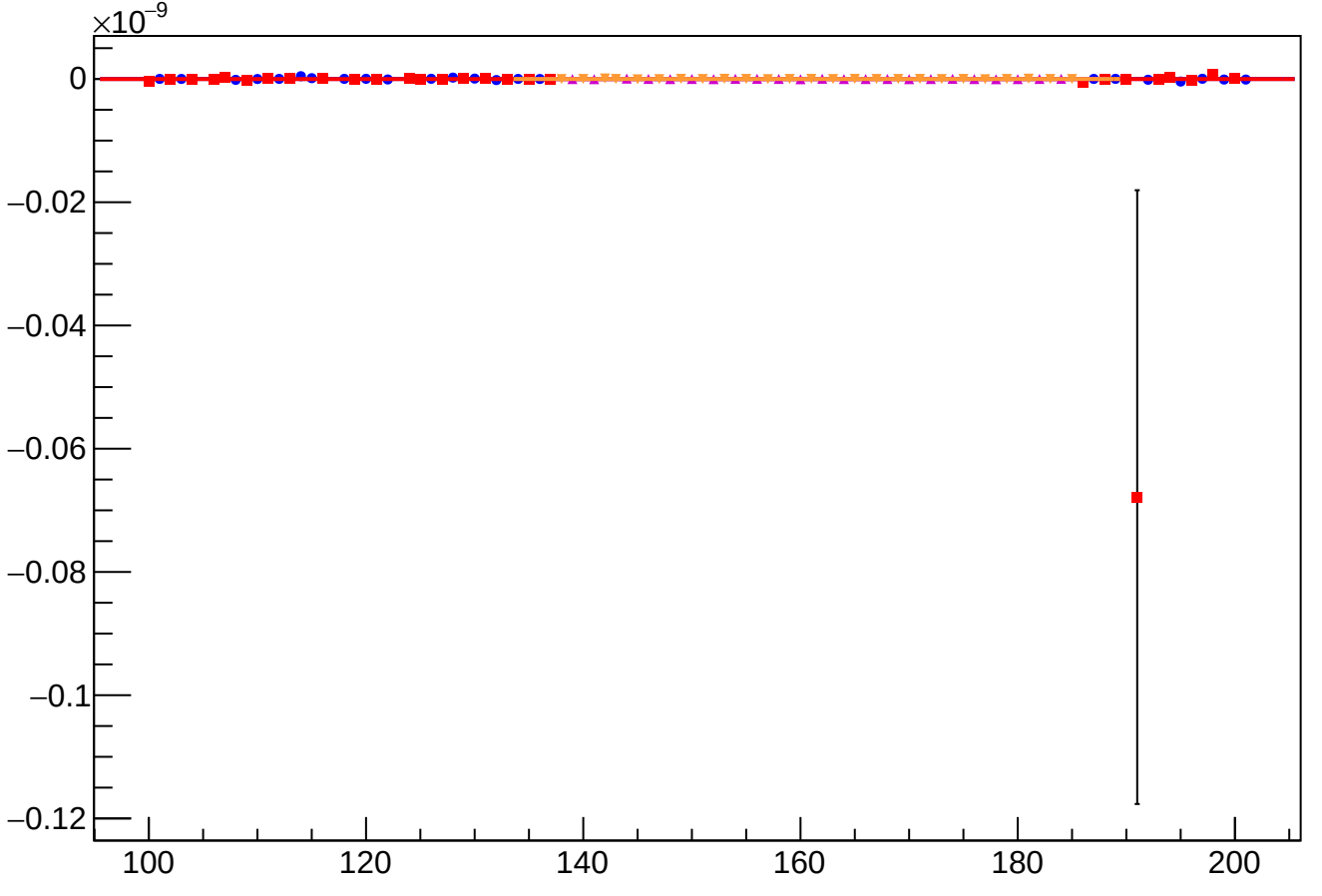
Right Out: 2160.374+/-0.425 χ^2/NDF: 1154154.4/27

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2005.907+/-0.254 χ^2/NDF: 990316.7/47

All: 2014.648+/-0.180 χ^2/NDF: 2405988.3/98

- sign 2023.561+/-0.256 χ^2/NDF: 1413278.8/50



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: 29.2/27

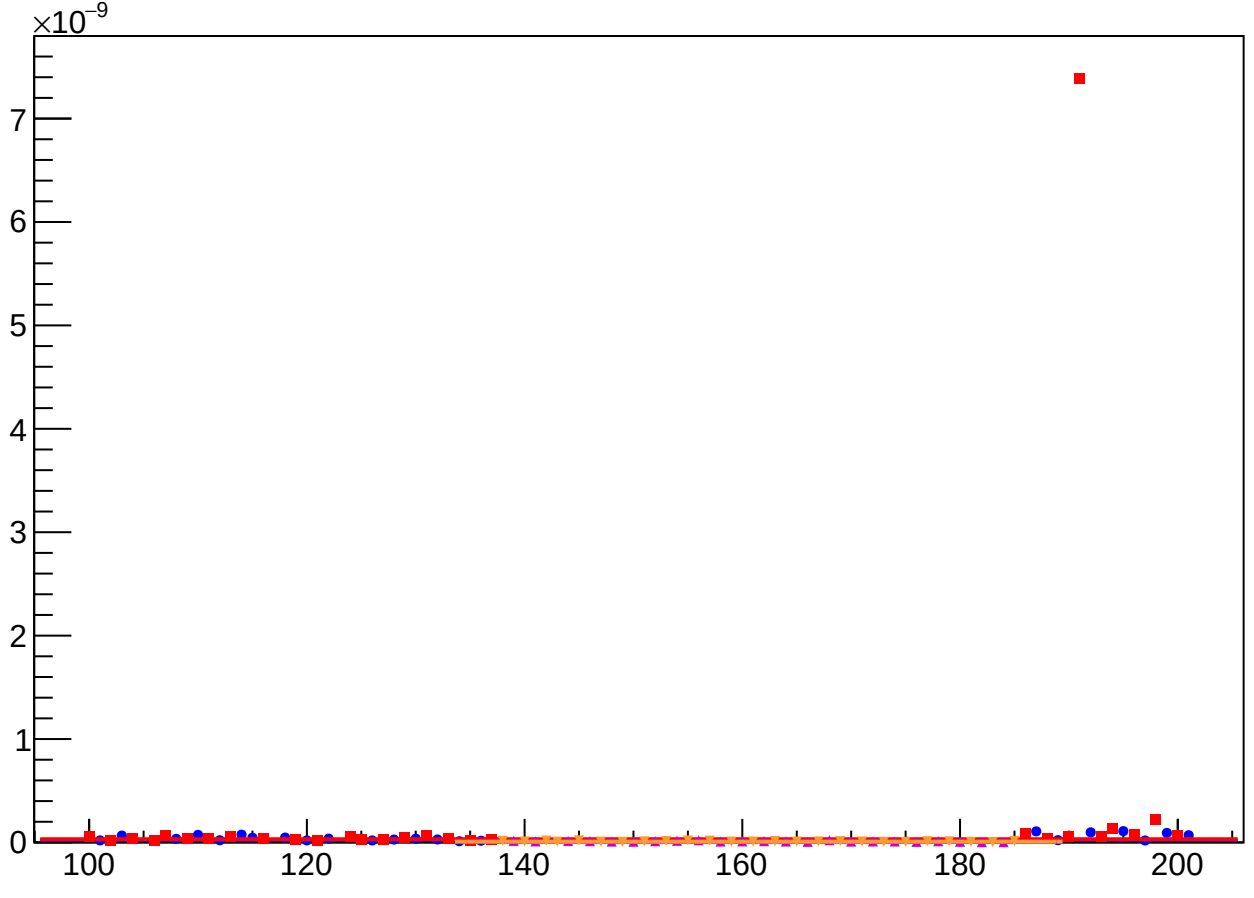
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.8/47

All: 0.000+/-0.000 χ^2/NDF: 114.3/98

- sign 0.000+/-0.000 χ^2/NDF: 61.2/50

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: 2593848.2/27

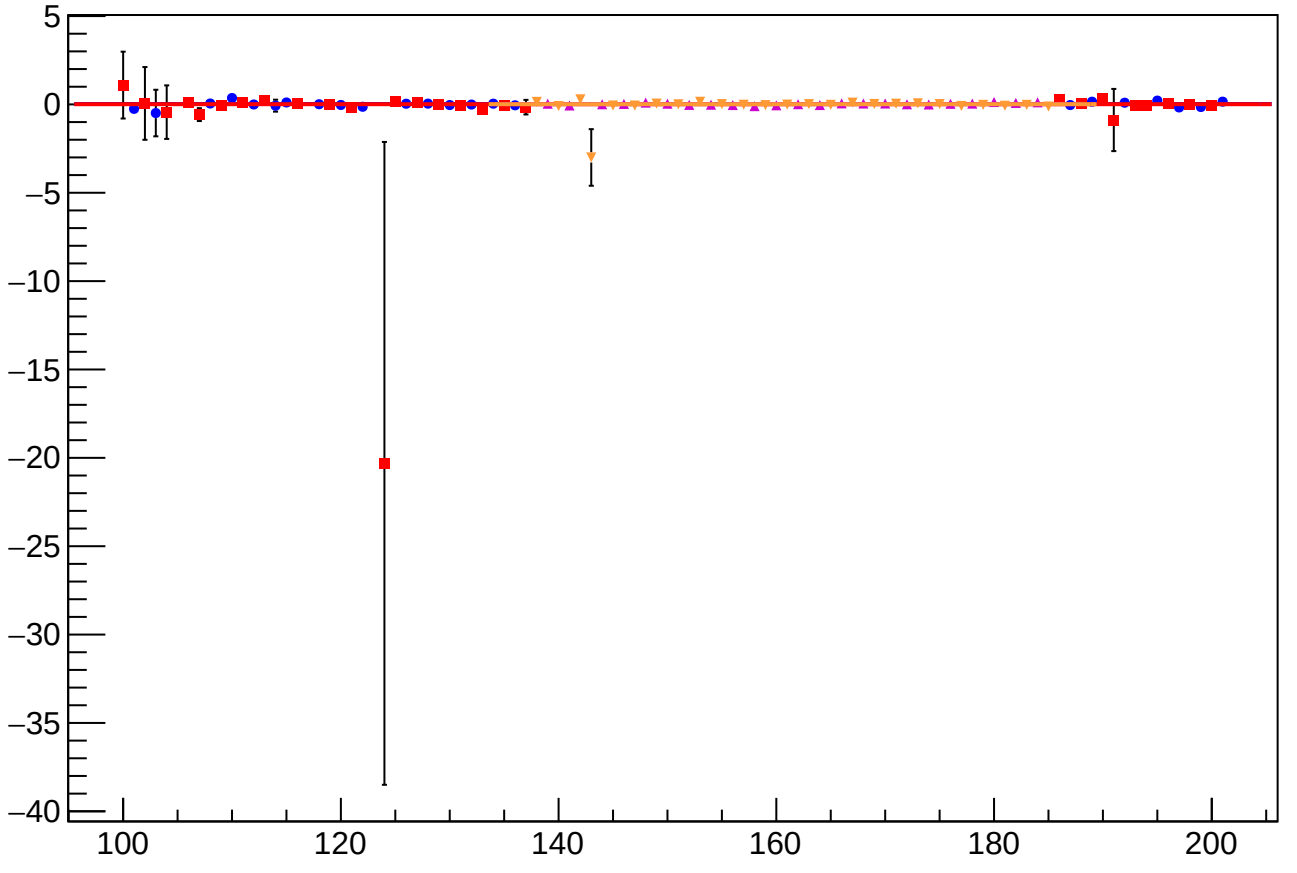
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7660274.3/47

All: 0.000+/-0.000 χ^2/NDF: 16593957.4/98

- sign 0.000+/-0.000 χ^2/NDF: 8932573.3/50

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: 0.012+/-0.022 χ^2/NDF: 24.0/27

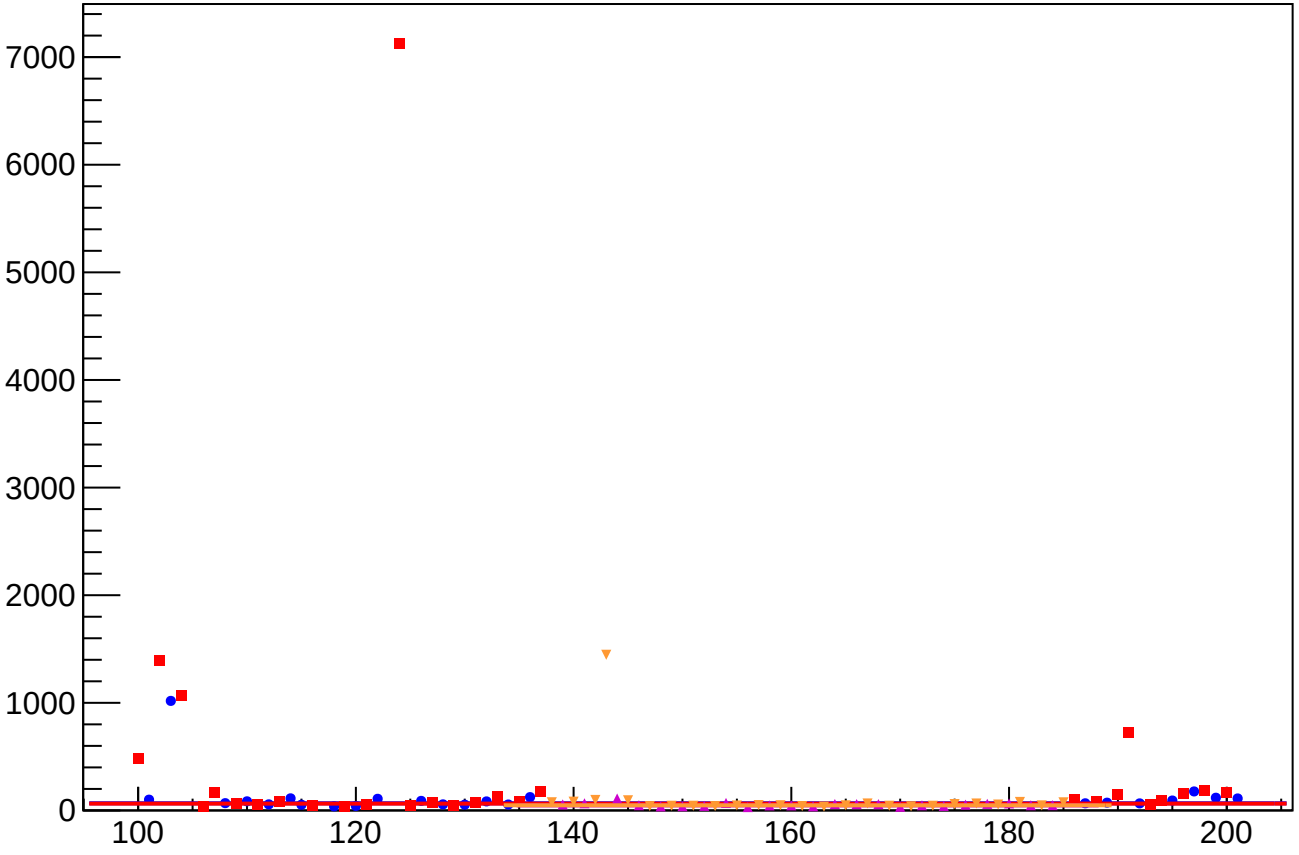
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 49.7/47

All: 0.015+/-0.008 χ^2/NDF: 94.1/98

- sign 0.017+/-0.011 χ^2/NDF: 44.4/50

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

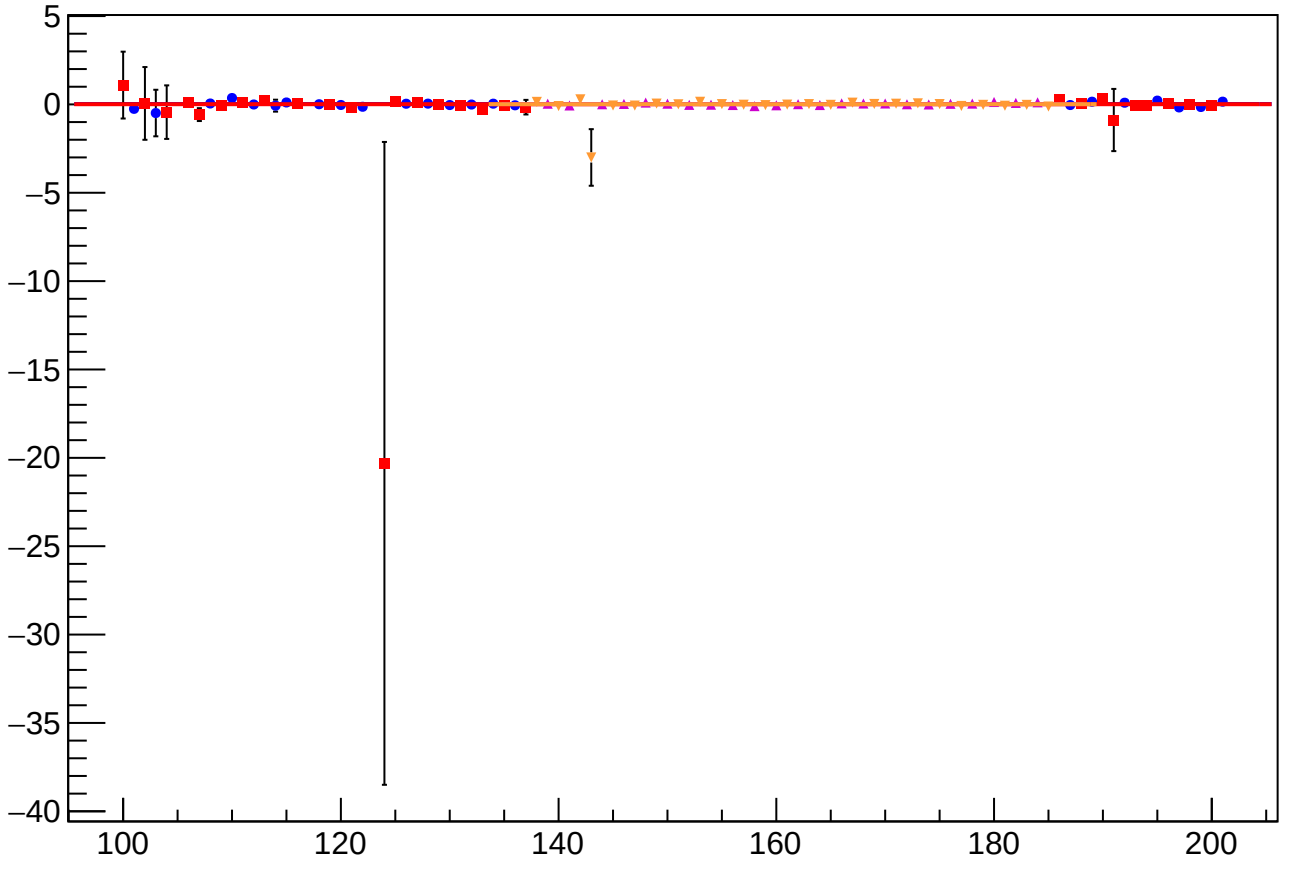
Right Out: 63.457+/-0.016 χ^2/NDF: 6118138.6/27

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 52.152+/-0.008 χ^2/NDF: 8291492.9/47

All: 51.403+/-0.005 χ^2/NDF: 17242757.2/98

- sign 50.683+/-0.008 χ^2/NDF: 8932879.0/50



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: 0.012+/-0.022 χ^2/NDF: 24.0/27

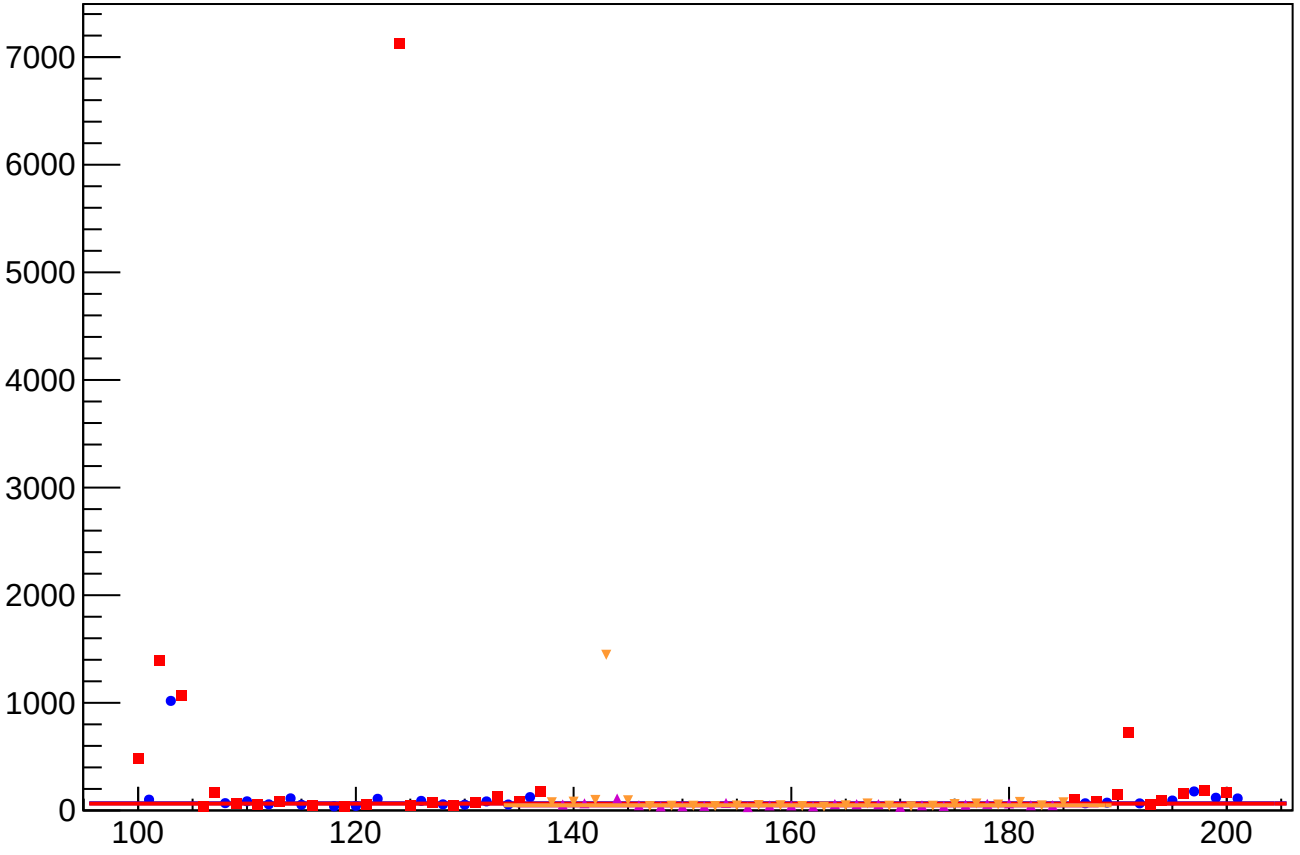
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 49.7/47

All: 0.015+/-0.008 χ^2/NDF: 94.1/98

- sign 0.017+/-0.011 χ^2/NDF: 44.4/50

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

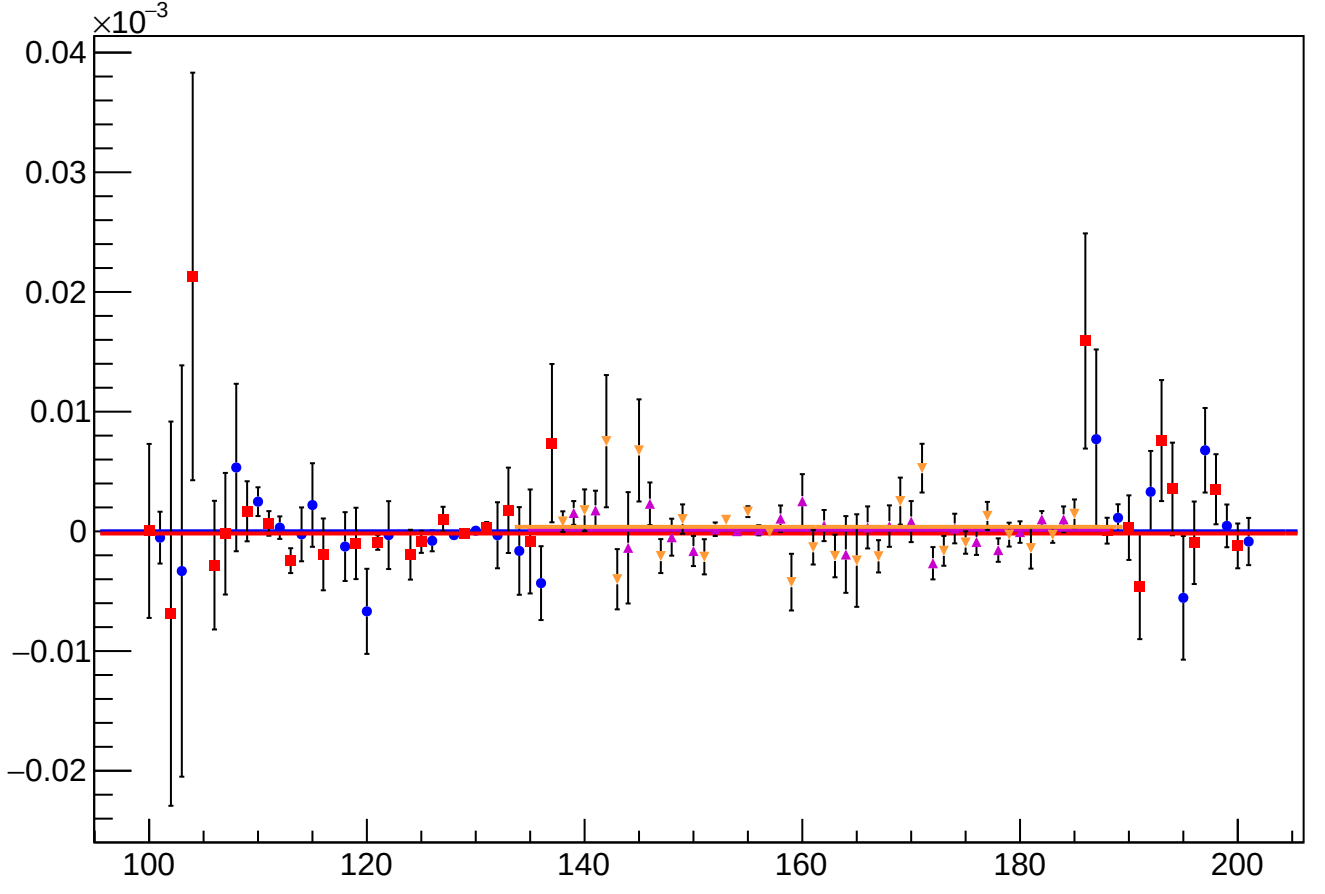
Right Out: 63.457+/-0.016 χ^2/NDF: 6118138.6/27

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 52.152+/-0.008 χ^2/NDF: 8291492.9/47

All: 51.403+/-0.005 χ^2/NDF: 17242757.2/98

- sign 50.683+/-0.008 χ^2/NDF: 8932879.0/50



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: 25.2/27

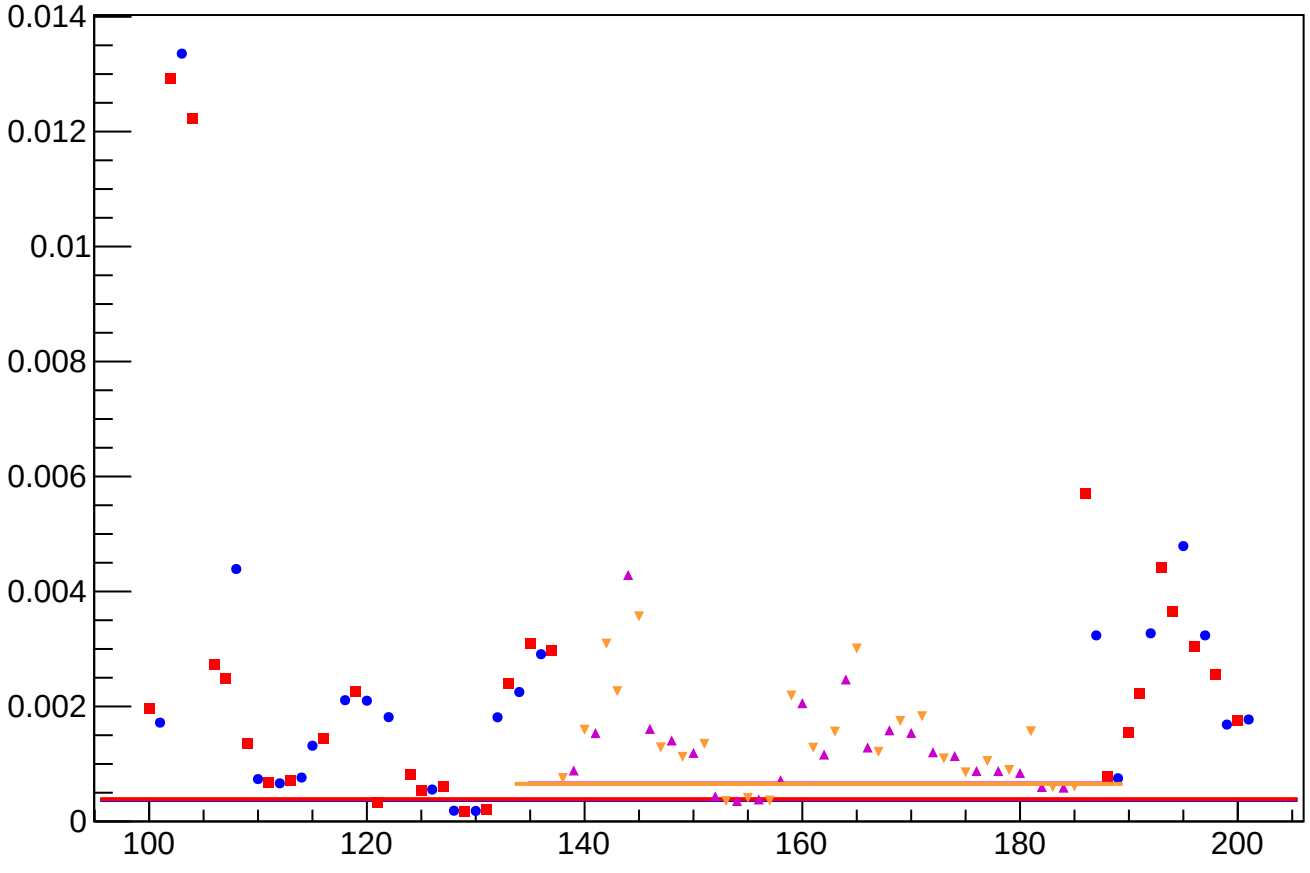
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.7/47

All: 0.000+/-0.000 χ^2/NDF: 122.5/98

- sign -0.000+/-0.000 χ^2/NDF: 46.5/50

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

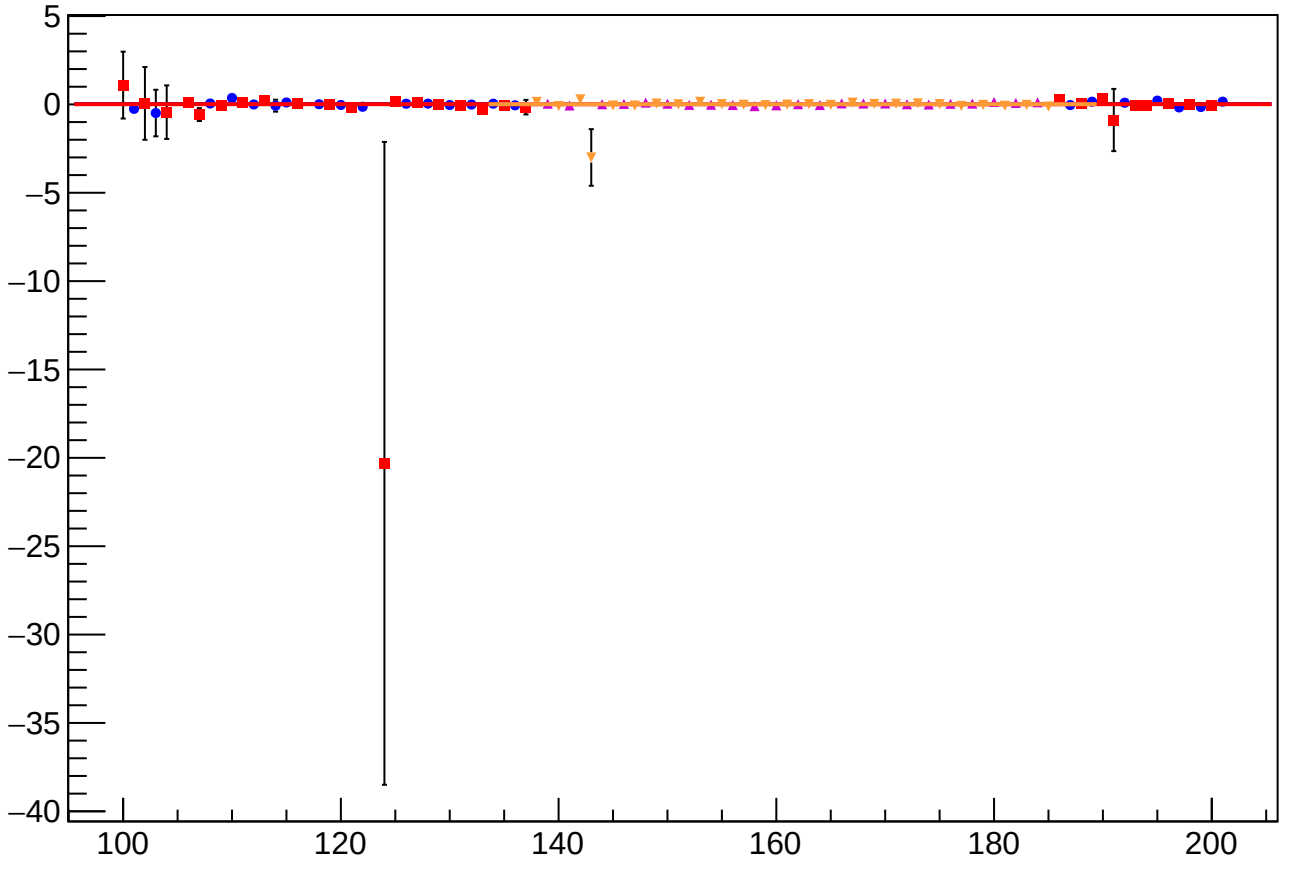
Right Out: 0.000+/-0.000 χ^2/NDF: 15995753.2/27

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: 57971712.6/98

- sign 0.001+/-0.000 χ^2/NDF: 27810415.2/50



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: 0.012+/-0.022 χ^2/NDF: 24.0/27

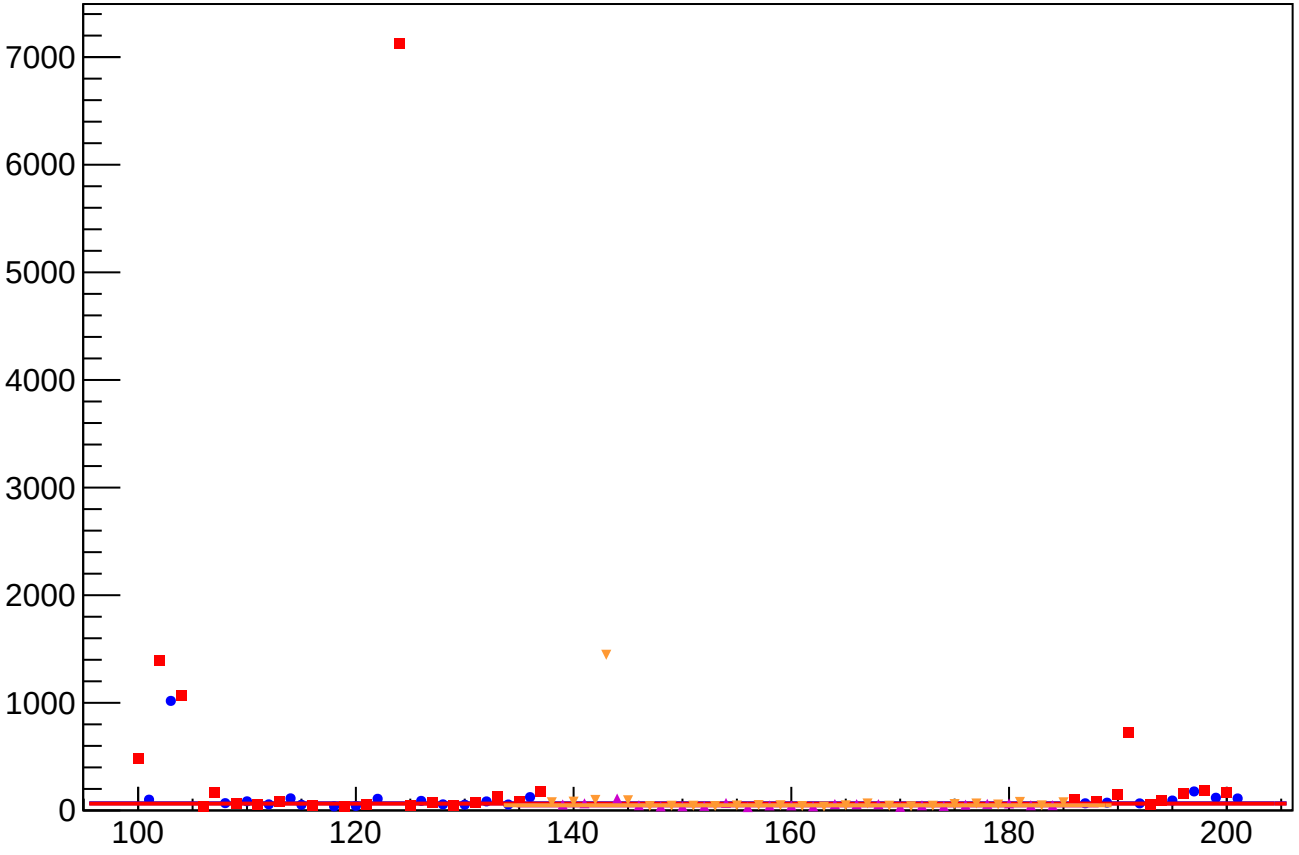
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 49.7/47

All: 0.015+/-0.008 χ^2/NDF: 94.1/98

- sign 0.017+/-0.011 χ^2/NDF: 44.4/50

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

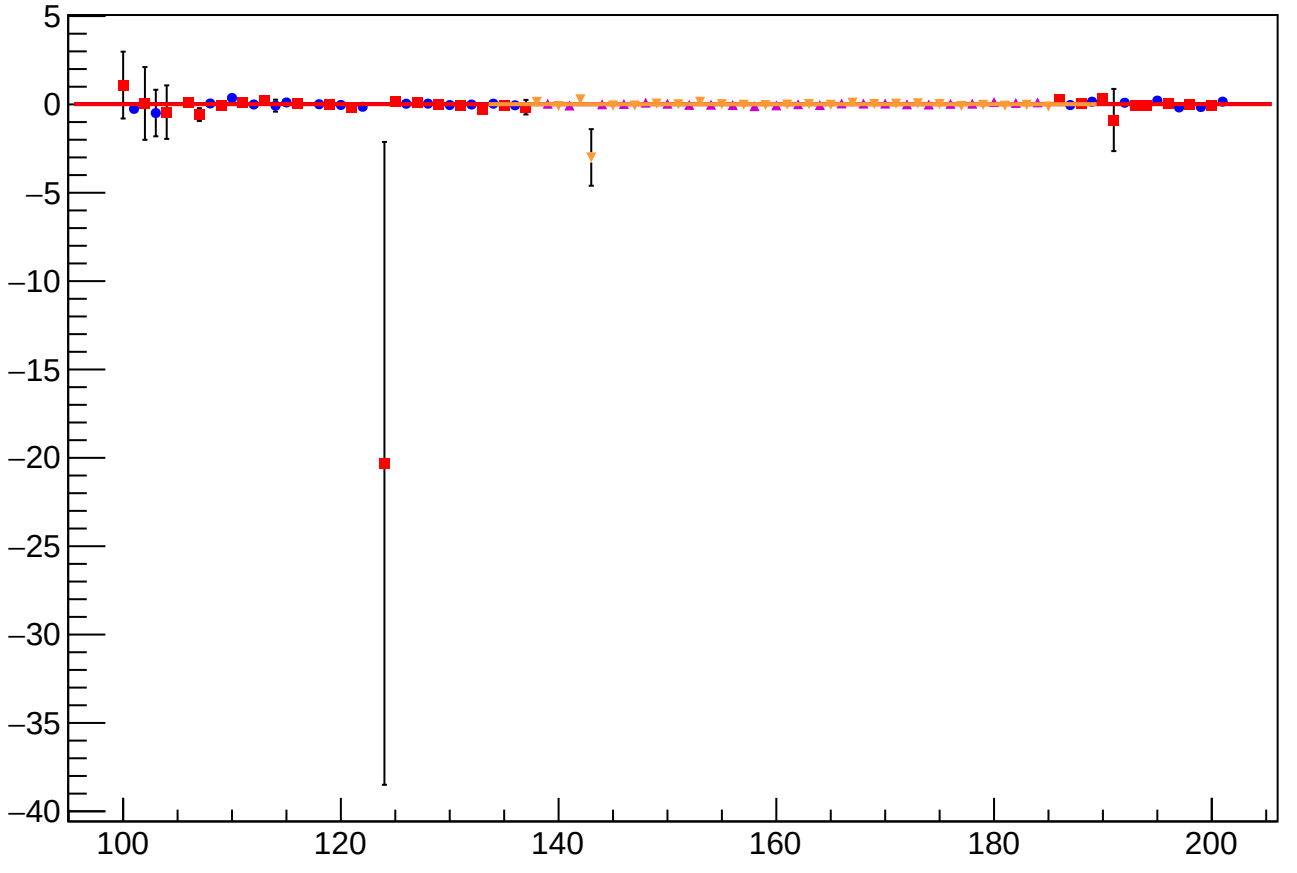
Right Out: 63.456+/-0.016 χ^2/NDF: 6118292.6/27

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 52.152+/-0.008 χ^2/NDF: 8291479.1/47

All: 51.403+/-0.005 χ^2/NDF: 17242803.6/98

- sign 50.683+/-0.008 χ^2/NDF: 8932929.6/50



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: 0.012+/-0.022 χ^2/NDF: 24.0/27

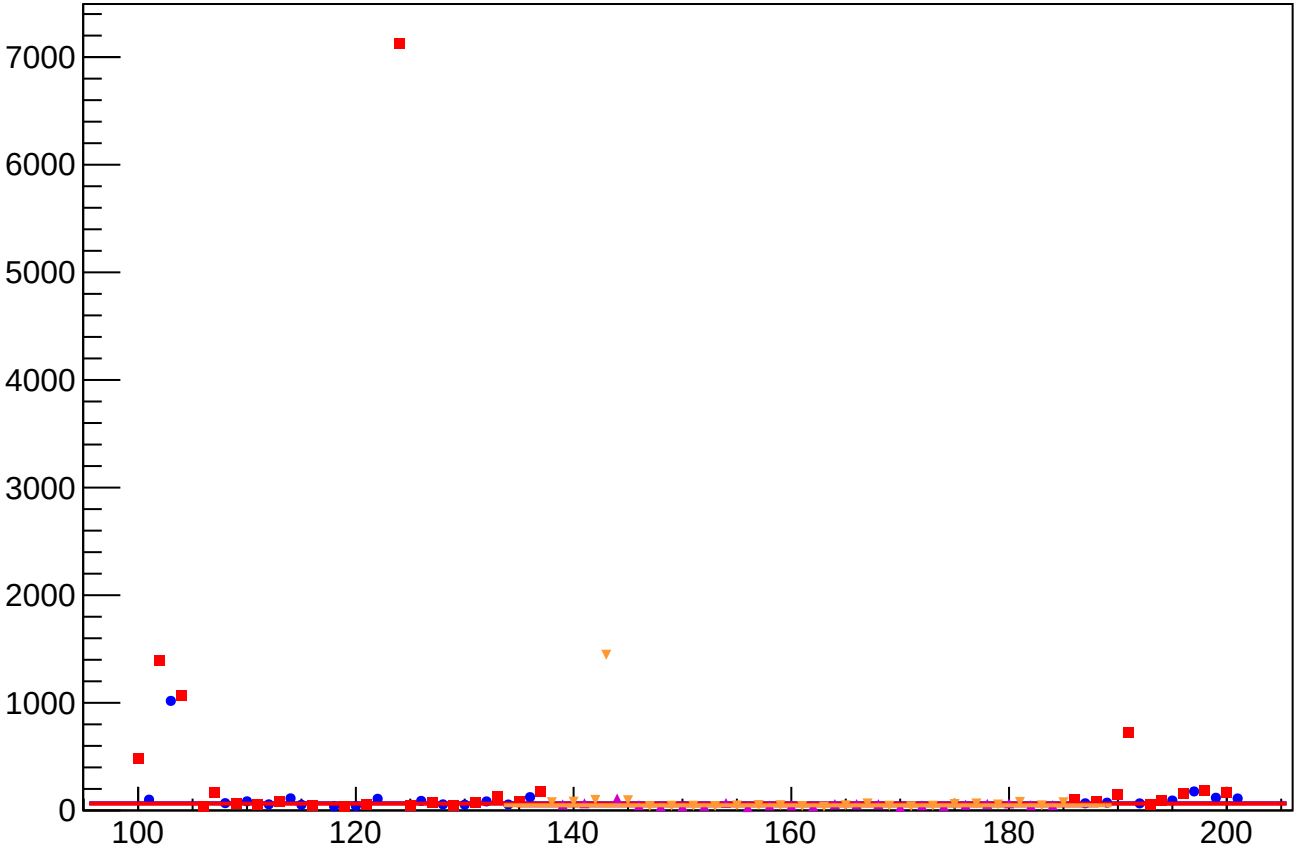
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 49.7/47

All: 0.015+/-0.008 χ^2/NDF: 94.1/98

- sign 0.017+/-0.011 χ^2/NDF: 44.4/50

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

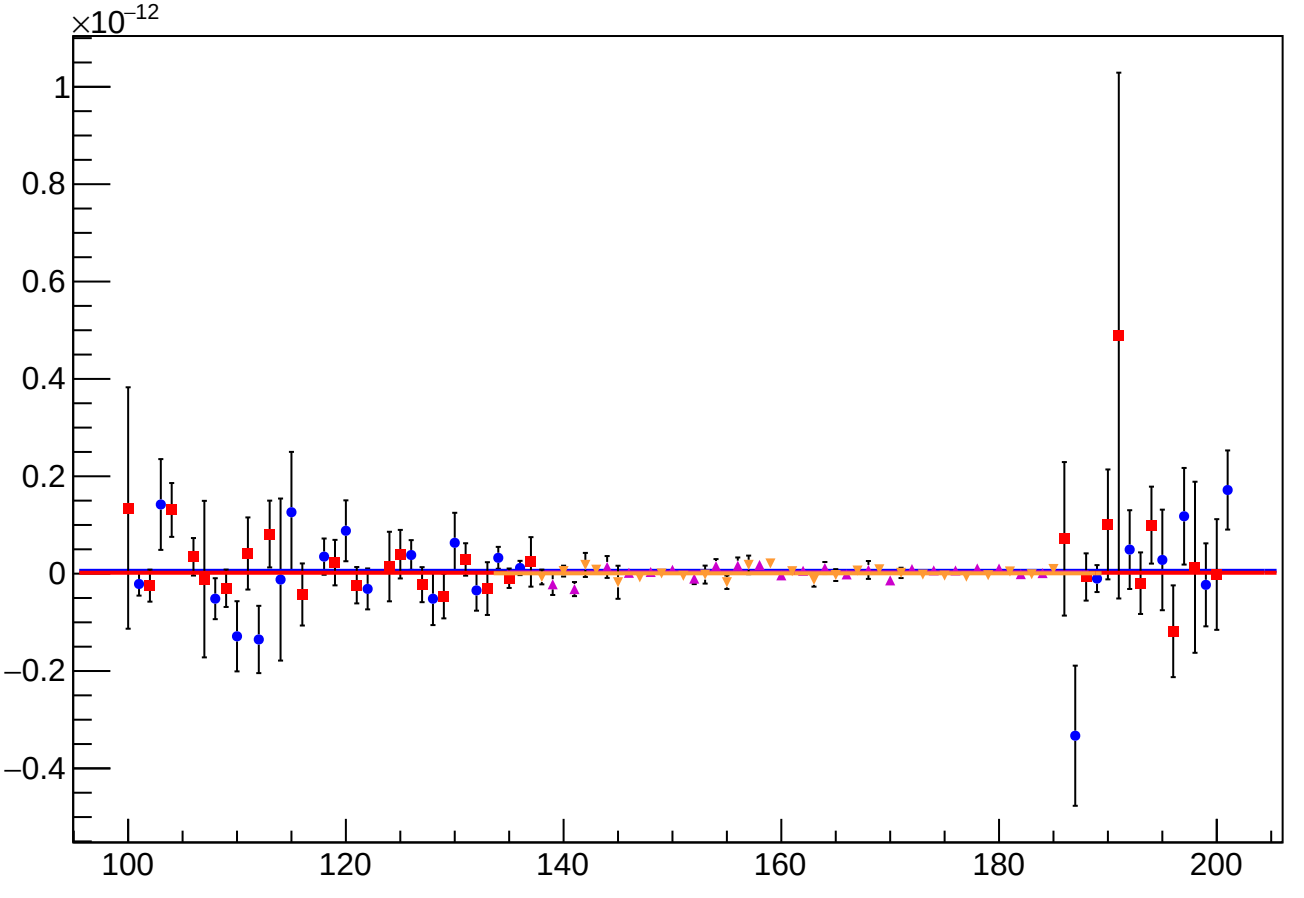
Right Out: 63.456+/-0.016 χ^2/NDF: 6118292.6/27

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 52.152+/-0.008 χ^2/NDF: 8291479.1/47

All: 51.403+/-0.005 χ^2/NDF: 17242803.6/98

- sign 50.683+/-0.008 χ^2/NDF: 8932929.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

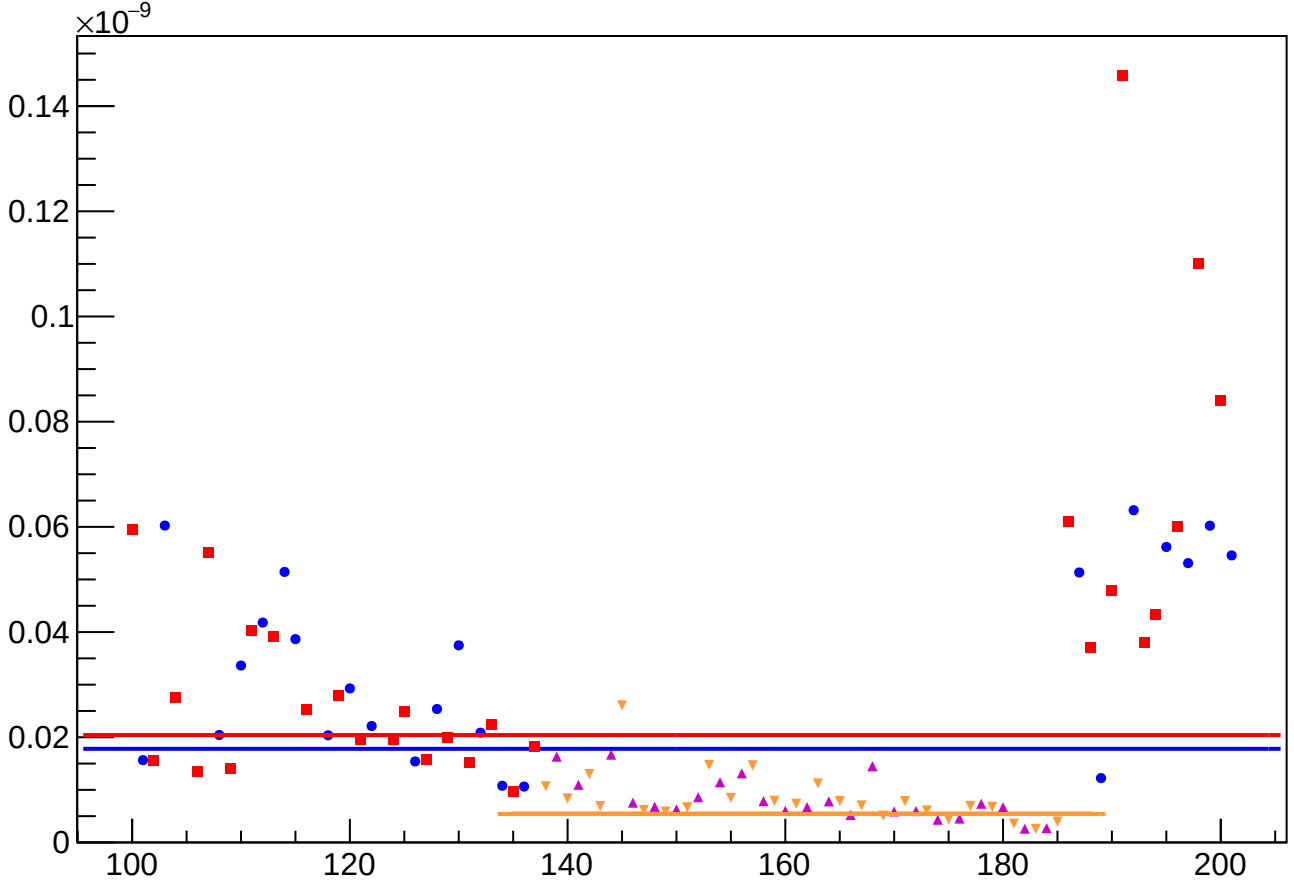
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/27

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: 91.5/98

- sign 0.000+/-0.000 χ^2/NDF: 41.2/50



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: 3802148.4/27

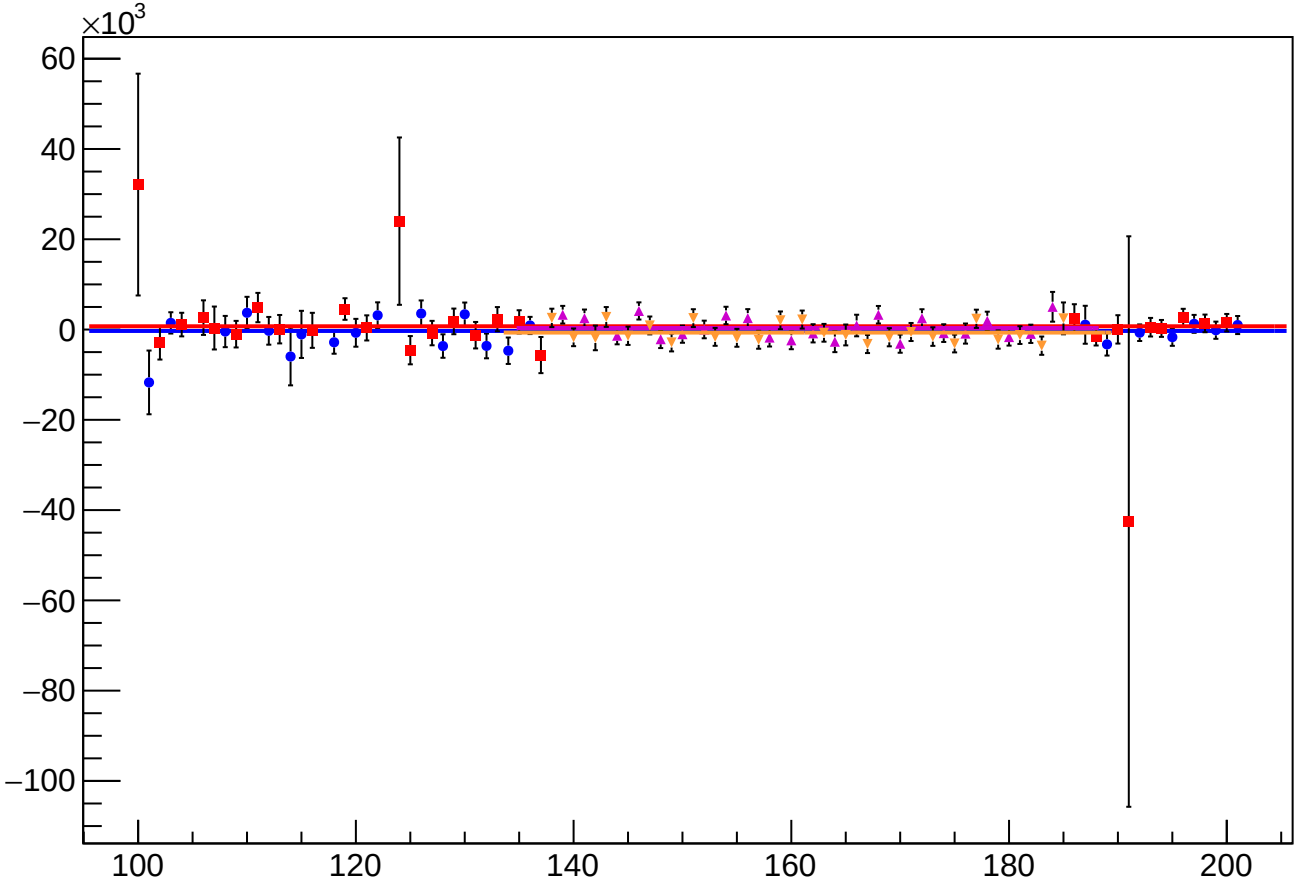
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13861550.1/47

All: 0.000+/-0.000 χ^2/NDF: 27601347.2/98

- sign 0.000+/-0.000 χ^2/NDF: 13738844.6/50

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: 722.125+/-525.671 χ^2/NDF: 19.4/27

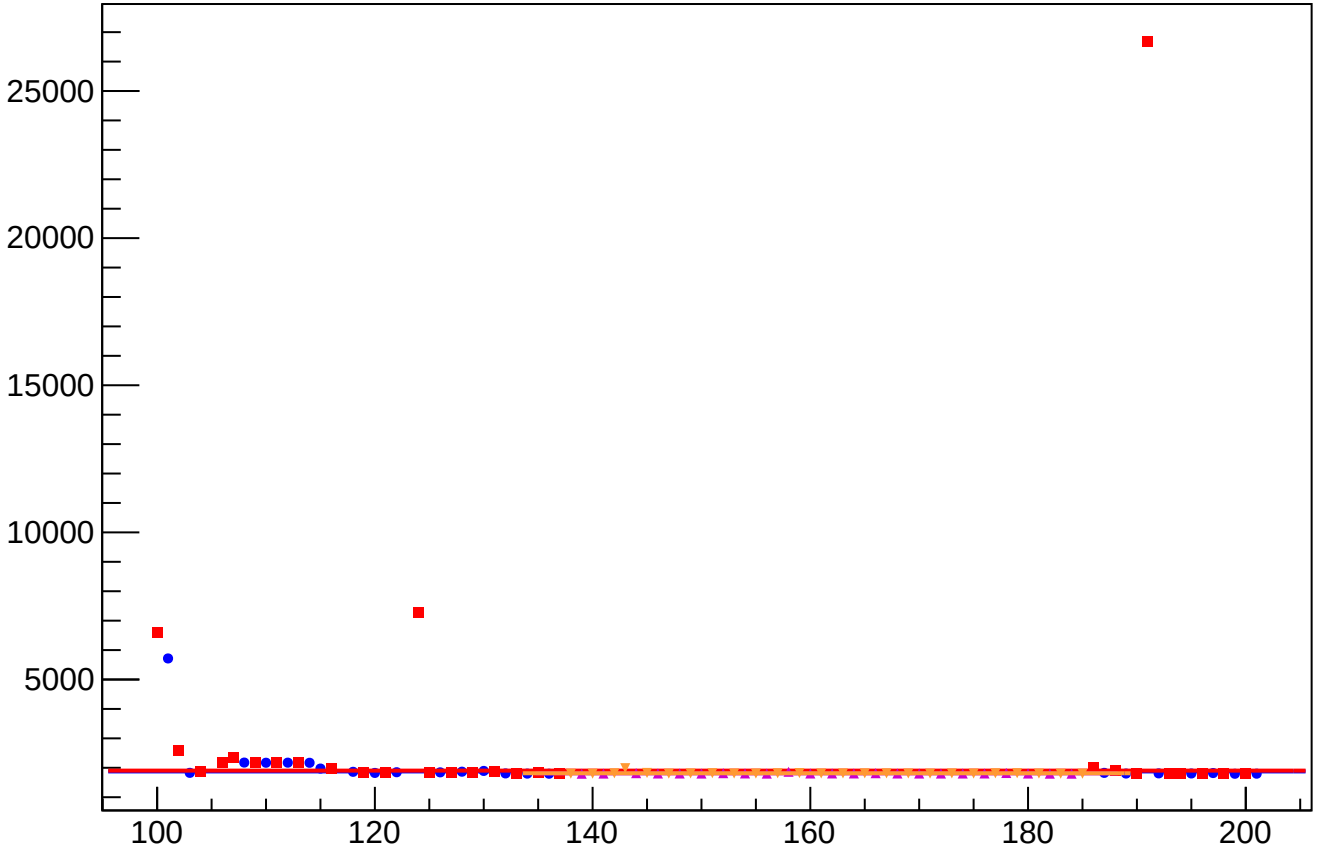
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -539.241+/-327.898 χ^2/NDF: 45.4/47

All: -26.077+/-232.394 χ^2/NDF: 100.2/98

- sign 491.850+/-329.417 χ^2/NDF: 49.8/50

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: 1903.817+/-0.372 χ^2/NDF: 733348.3/27

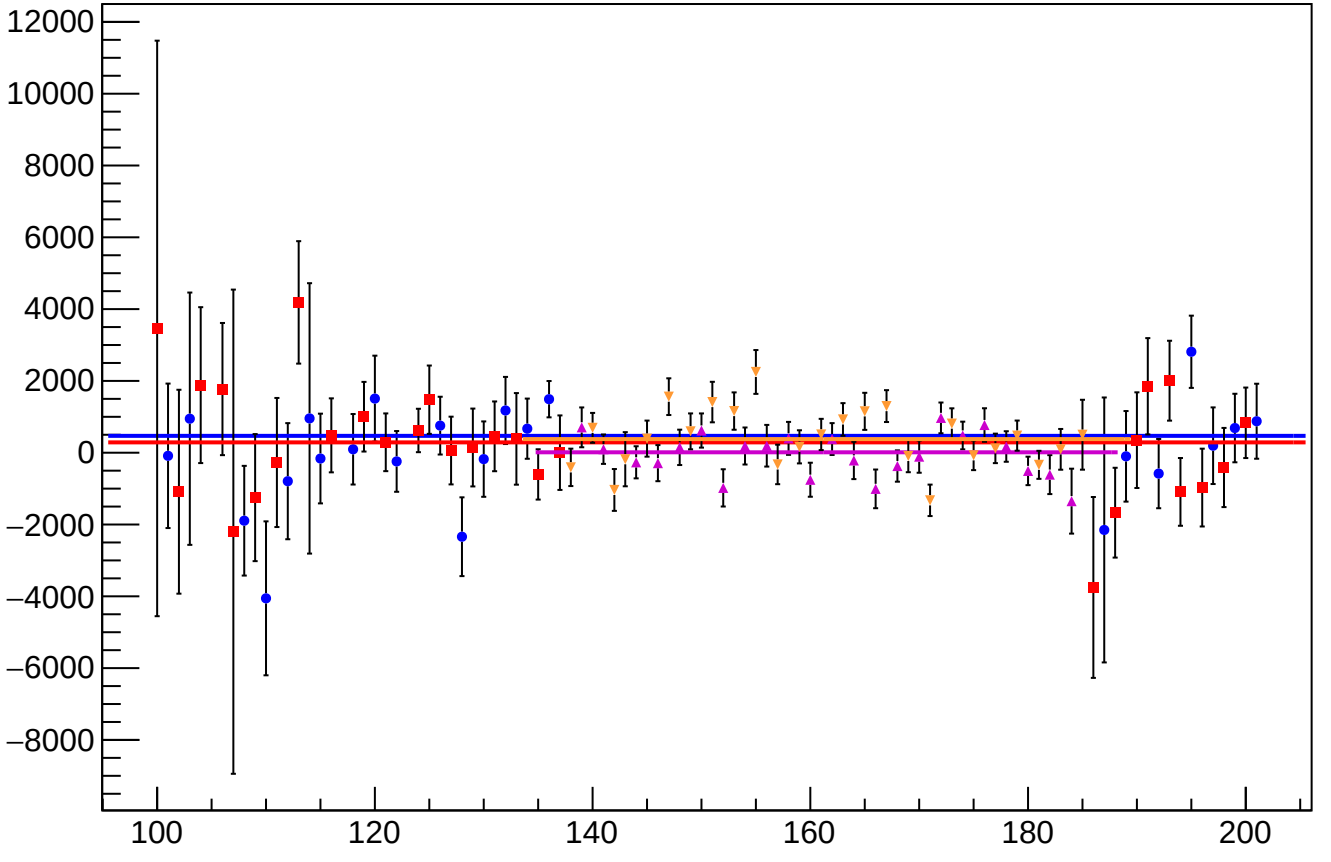
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1837.109+/-0.232 χ^2/NDF: 696947.7/47

All: 1842.091+/-0.164 χ^2/NDF: 1471501.6/98

- sign 1847.120+/-0.233 χ^2/NDF: 773626.1/50

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: 287.783+/-212.227 χ^2/NDF: 25.0/27

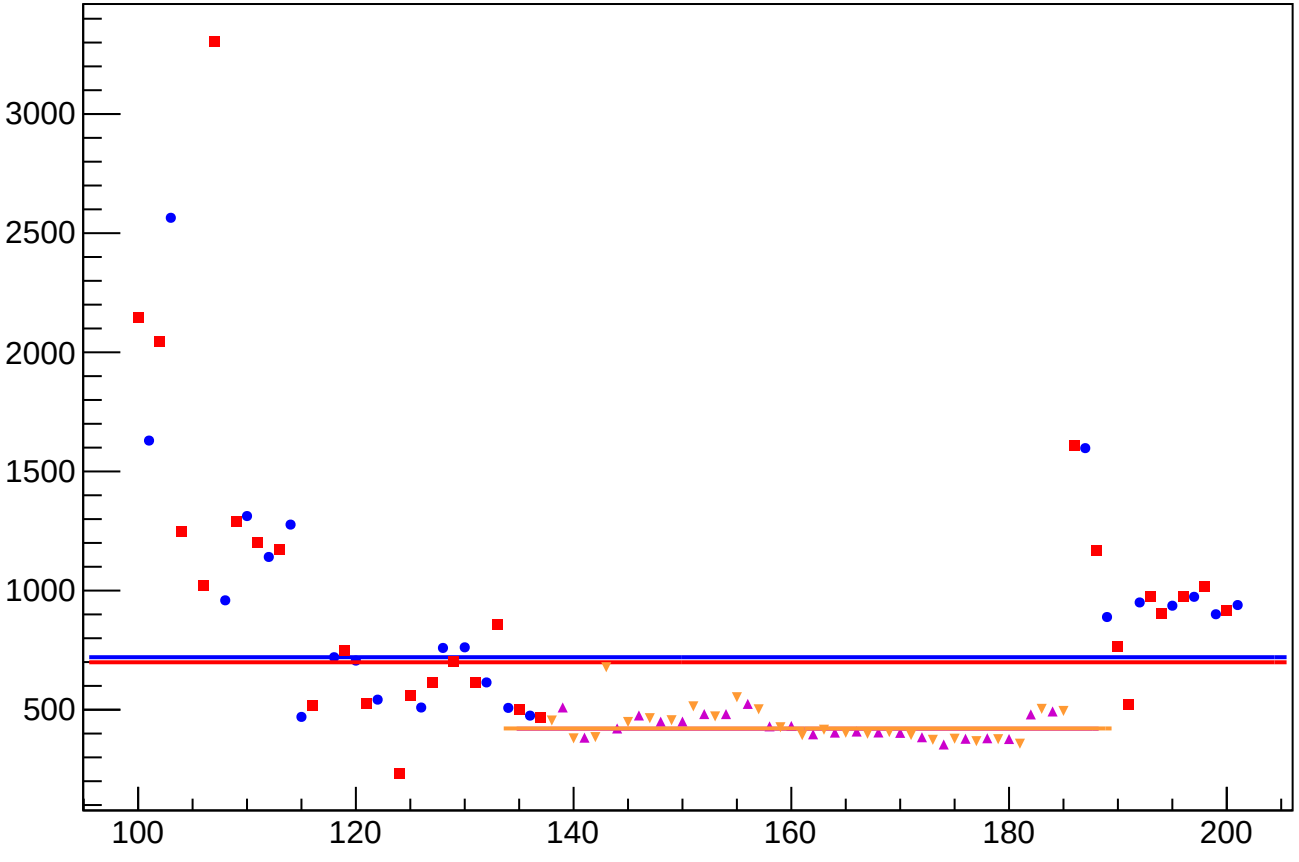
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 394.040+/-88.783 χ^2/NDF: 91.2/47

All: 229.173+/-63.101 χ^2/NDF: 155.7/98

- sign 60.879+/-89.701 χ^2/NDF: 57.5/50

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: 699.134+/-0.150 χ^2/NDF: 4446457.7/27

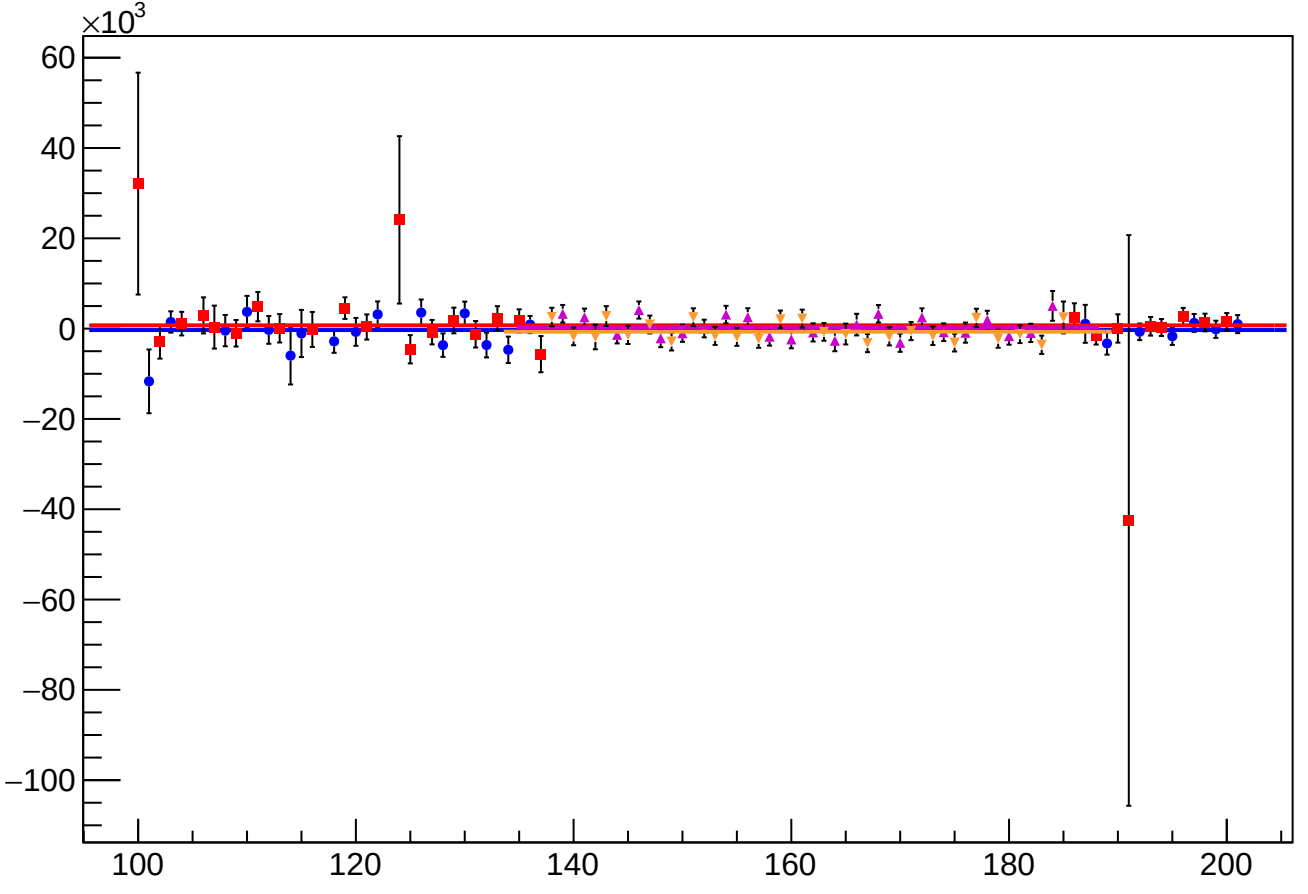
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 469.996+/-0.063 χ^2/NDF: 6732797.1/47

All: 470.022+/-0.045 χ^2/NDF: 14429599.5/98

- sign 470.048+/-0.063 χ^2/NDF: 7696802.0/50

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: 724.610+/-526.062 χ^2/NDF: 19.5/27

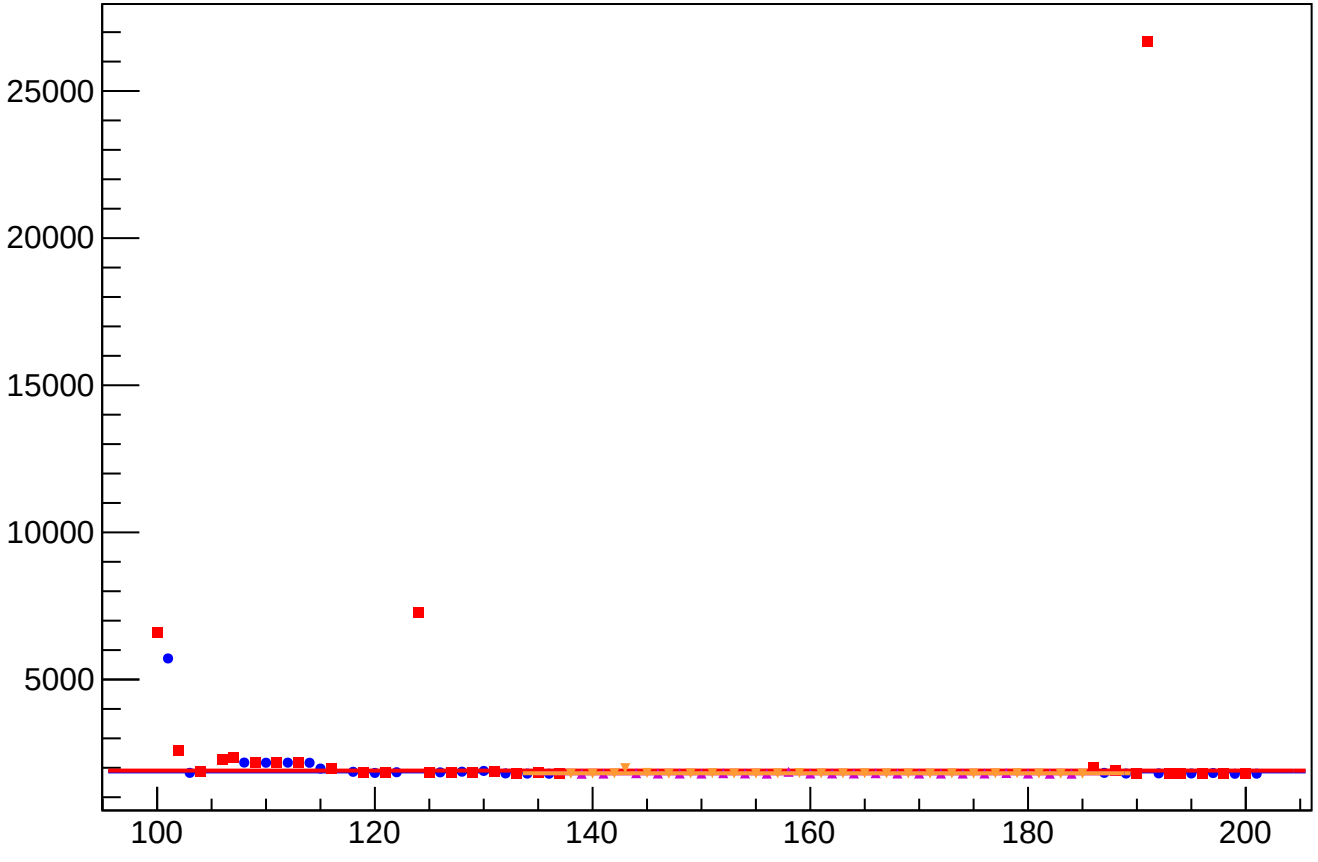
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -539.070+/-327.898 χ^2/NDF: 45.4/47

All: -25.710+/-232.428 χ^2/NDF: 100.2/98

\- sign 492.717+/-329.513 χ^2/NDF: 49.9/50

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: 1904.817+/-0.372 χ^2/NDF: 739147.8/27

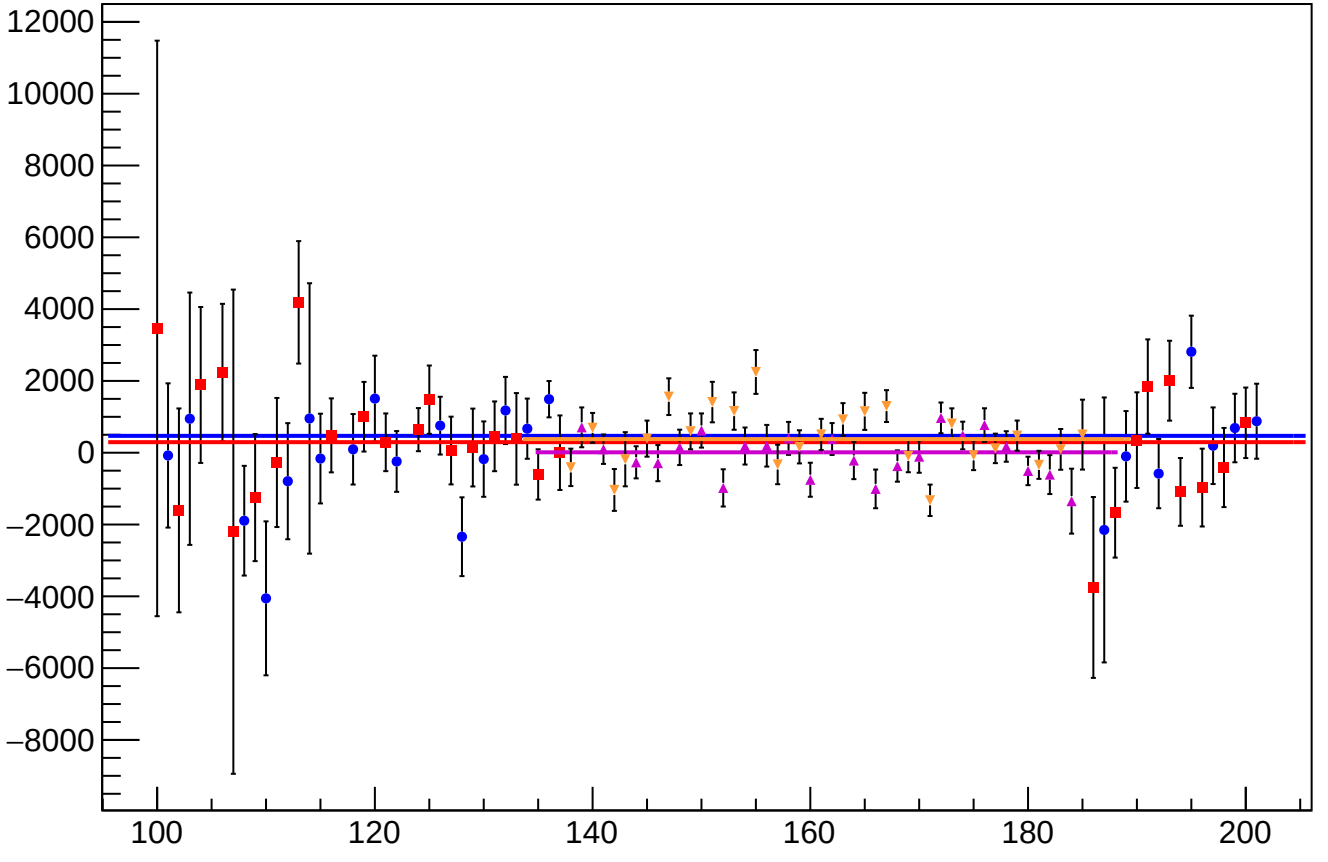
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1837.109+/-0.232 χ^2/NDF: 696947.6/47

All: 1842.269+/-0.164 χ^2/NDF: 1478159.0/98

- sign 1847.479+/-0.233 χ^2/NDF: 780216.1/50

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: 294.023+/-212.026 χ^2/NDF: 25.7/27

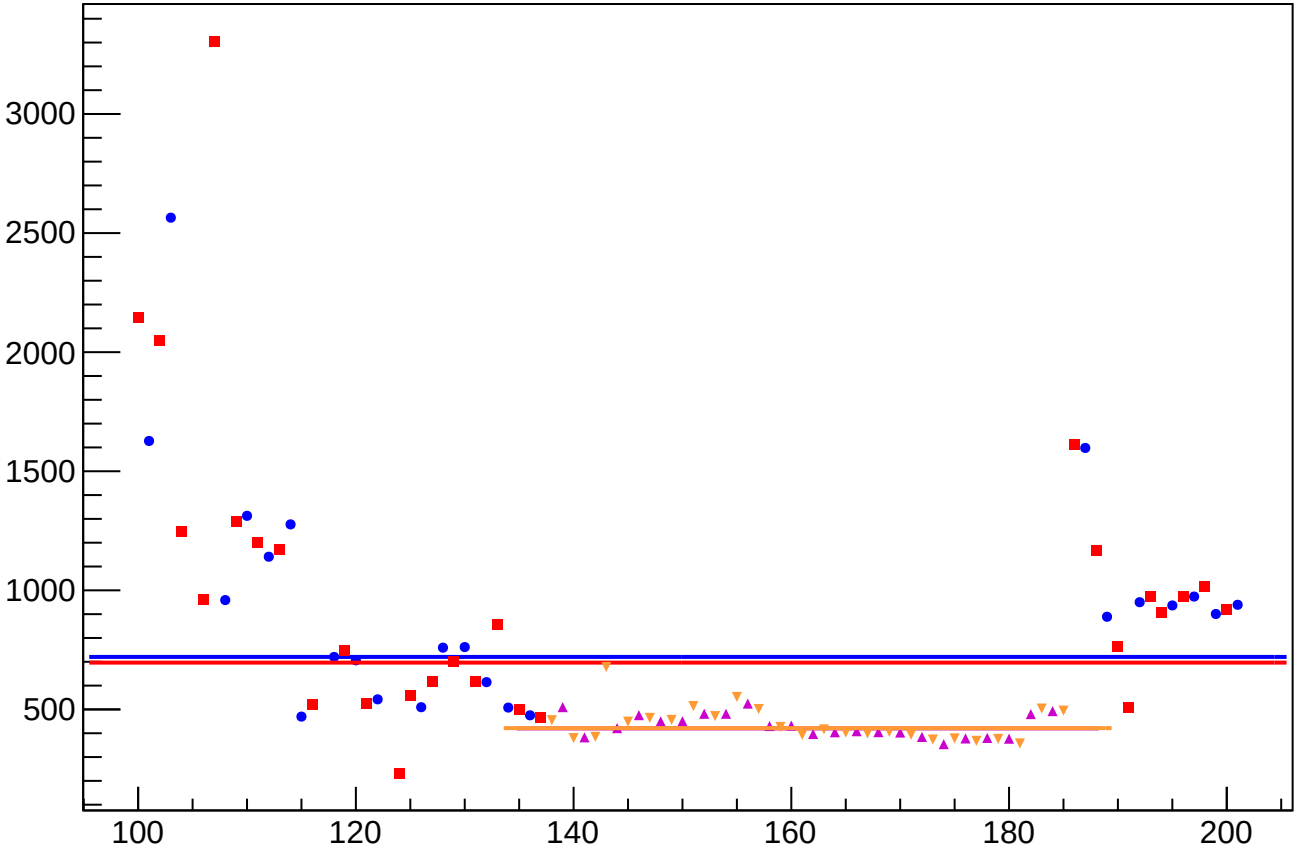
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 394.040+/-88.783 χ^2/NDF: 91.2/47

All: 229.738+/-63.095 χ^2/NDF: 156.5/98

- sign 62.081+/-89.685 χ^2/NDF: 58.3/50

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: 696.530+/-0.150 χ^2/NDF: 4458193.2/27

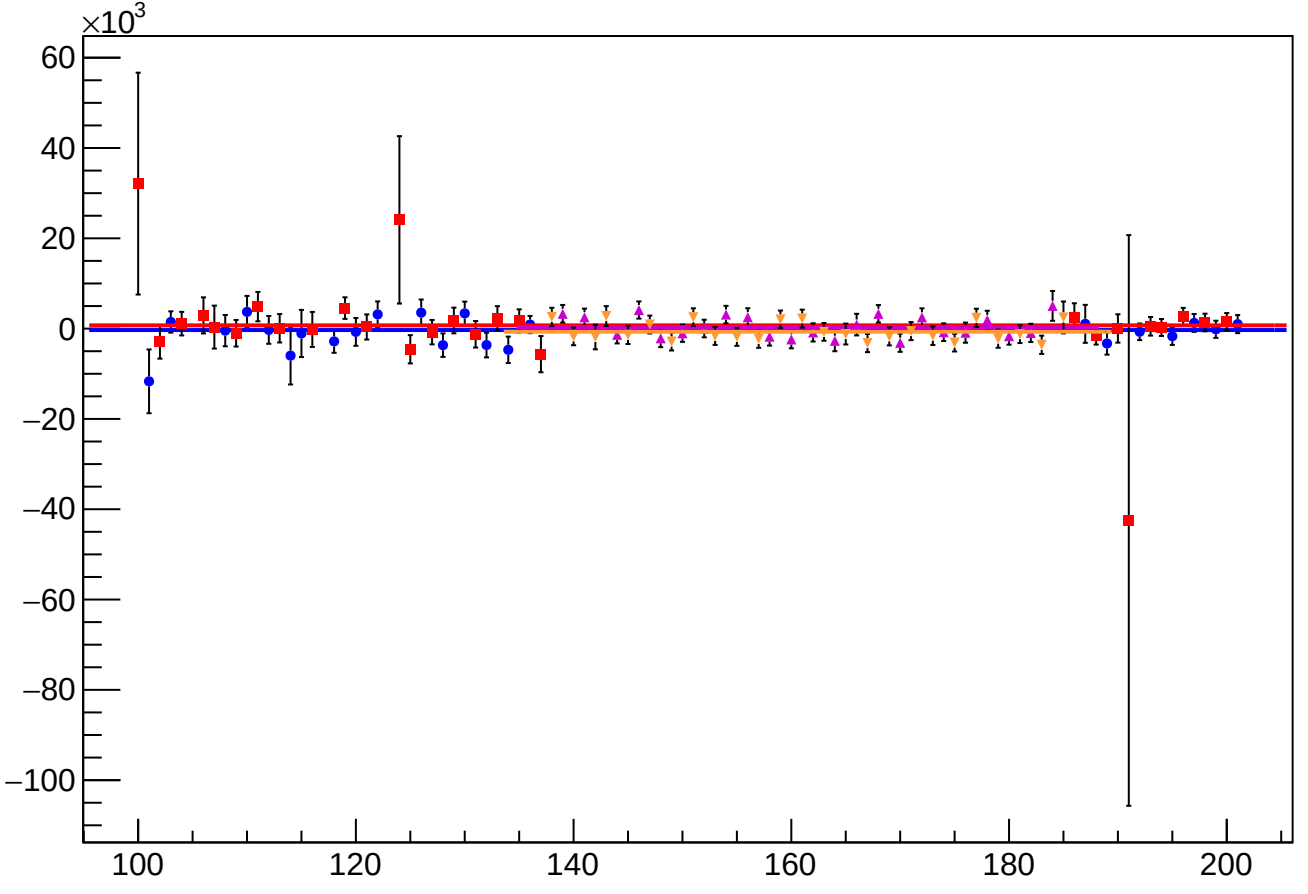
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

\+ sign 470.001+/-0.063 χ^2/NDF: 6731887.7/47

All: 469.830+/-0.045 χ^2/NDF: 14392169.8/98

\- sign 469.656+/-0.063 χ^2/NDF: 7660267.2/50

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: 724.610+/-526.062 χ^2/NDF: 19.5/27

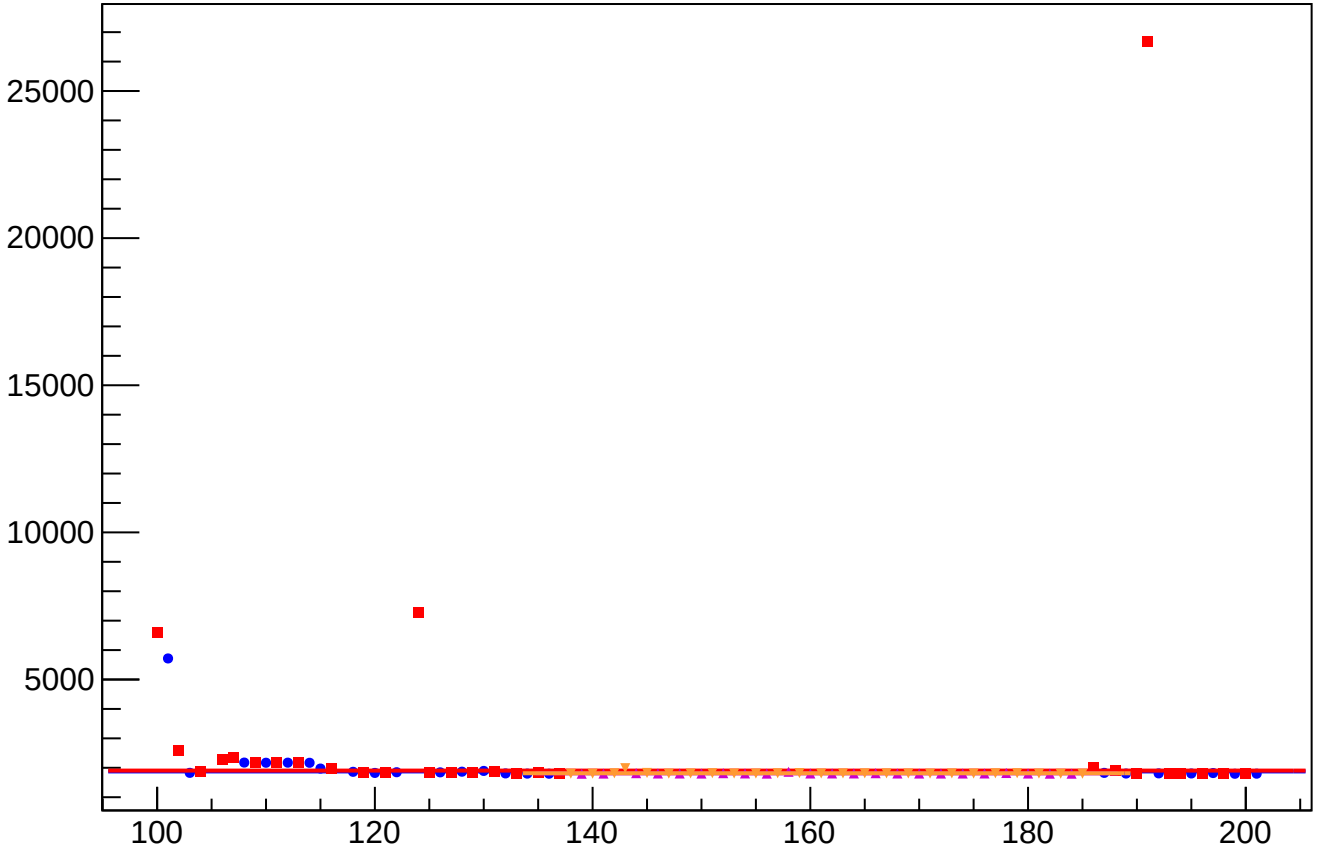
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -539.070+/-327.898 χ^2/NDF: 45.4/47

All: -25.710+/-232.428 χ^2/NDF: 100.2/98

- sign 492.717+/-329.513 χ^2/NDF: 49.9/50

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: 1904.817+/-0.372 χ^2/NDF: 739147.8/27

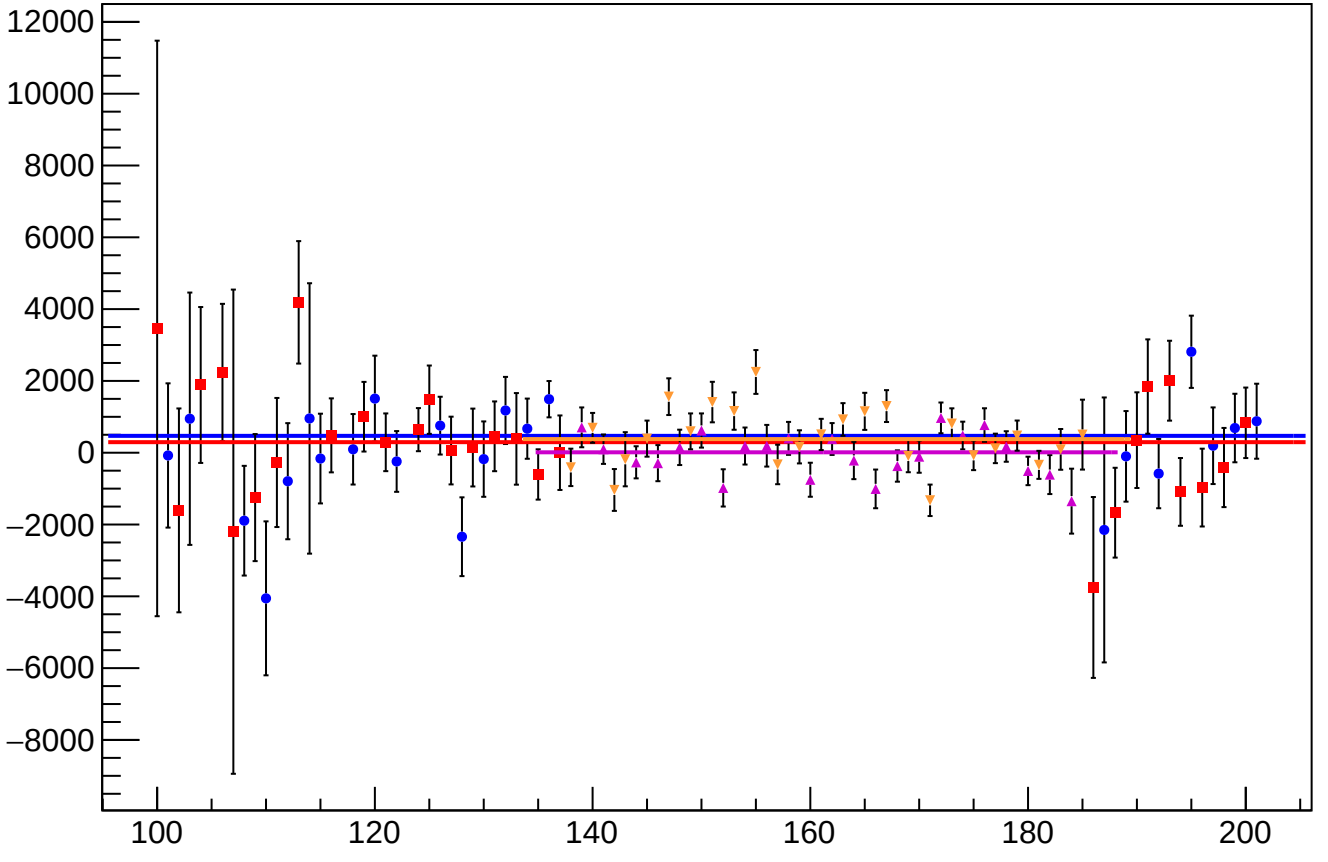
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1837.109+/-0.232 χ^2/NDF: 696947.6/47

All: 1842.269+/-0.164 χ^2/NDF: 1478159.0/98

- sign 1847.479+/-0.233 χ^2/NDF: 780216.1/50

asym_at1_dd_eigen_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: 294.023+/-212.026 χ^2/NDF: 25.7/27

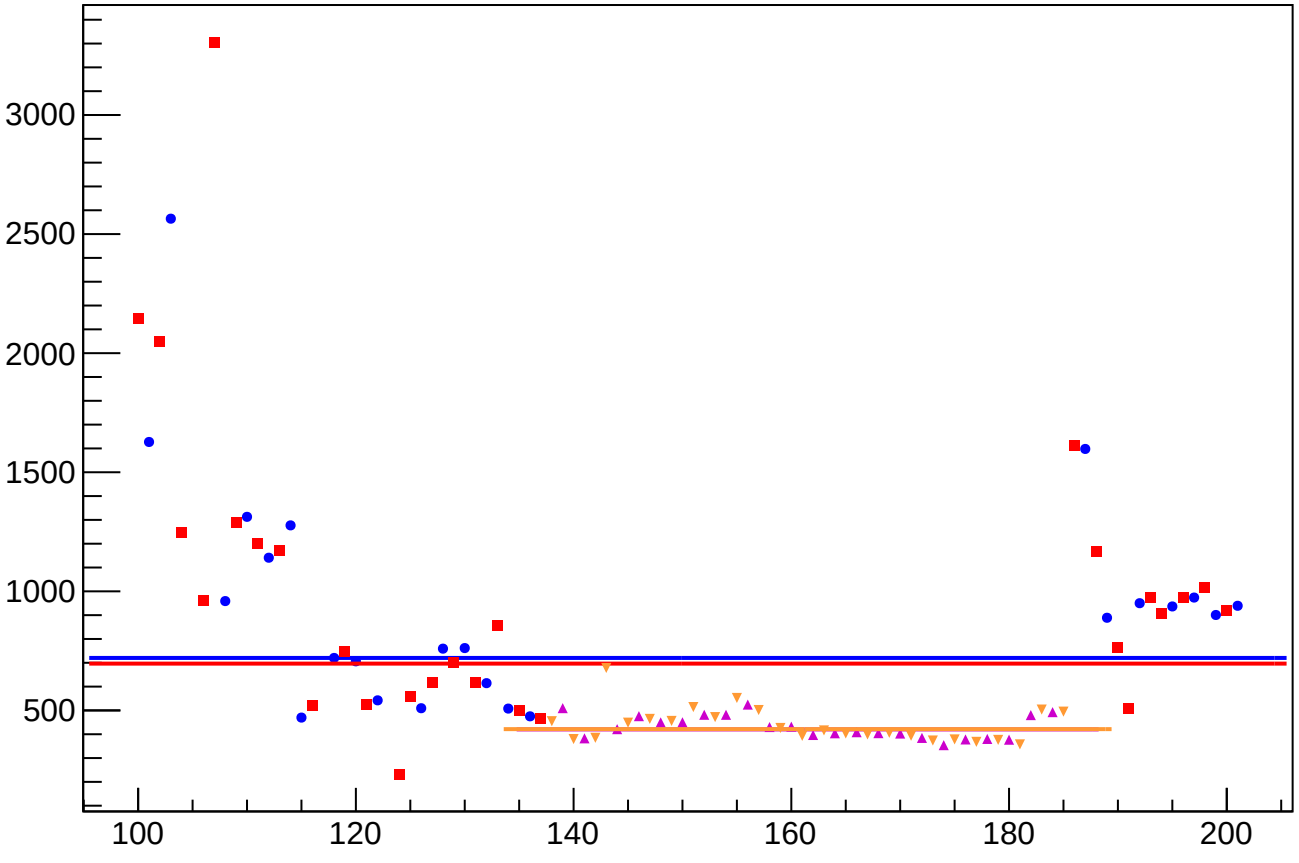
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 394.040+/-88.783 χ^2/NDF: 91.2/47

All: 229.738+/-63.095 χ^2/NDF: 156.5/98

- sign 62.081+/-89.685 χ^2/NDF: 58.3/50

asym_at1_dd_eigen_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

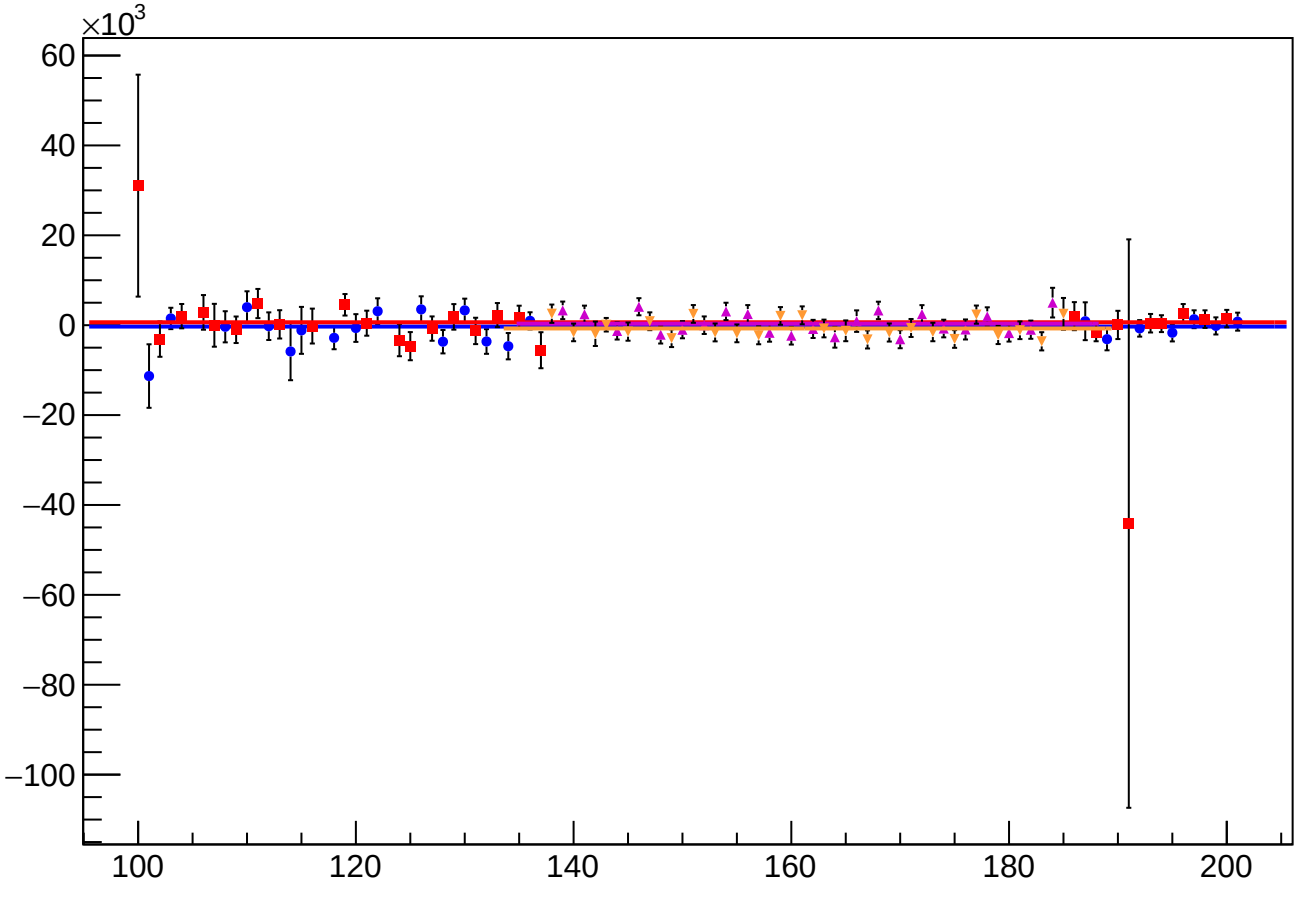
Right Out: 696.530+/-0.150 χ^2/NDF: 4458193.2/27

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 470.001+/-0.063 χ^2/NDF: 6731887.7/47

All: 469.830+/-0.045 χ^2/NDF: 14392169.8/98

- sign 469.656+/-0.063 χ^2/NDF: 7660267.2/50



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: 650.424+/-522.102 χ^2/NDF: 19.1/27

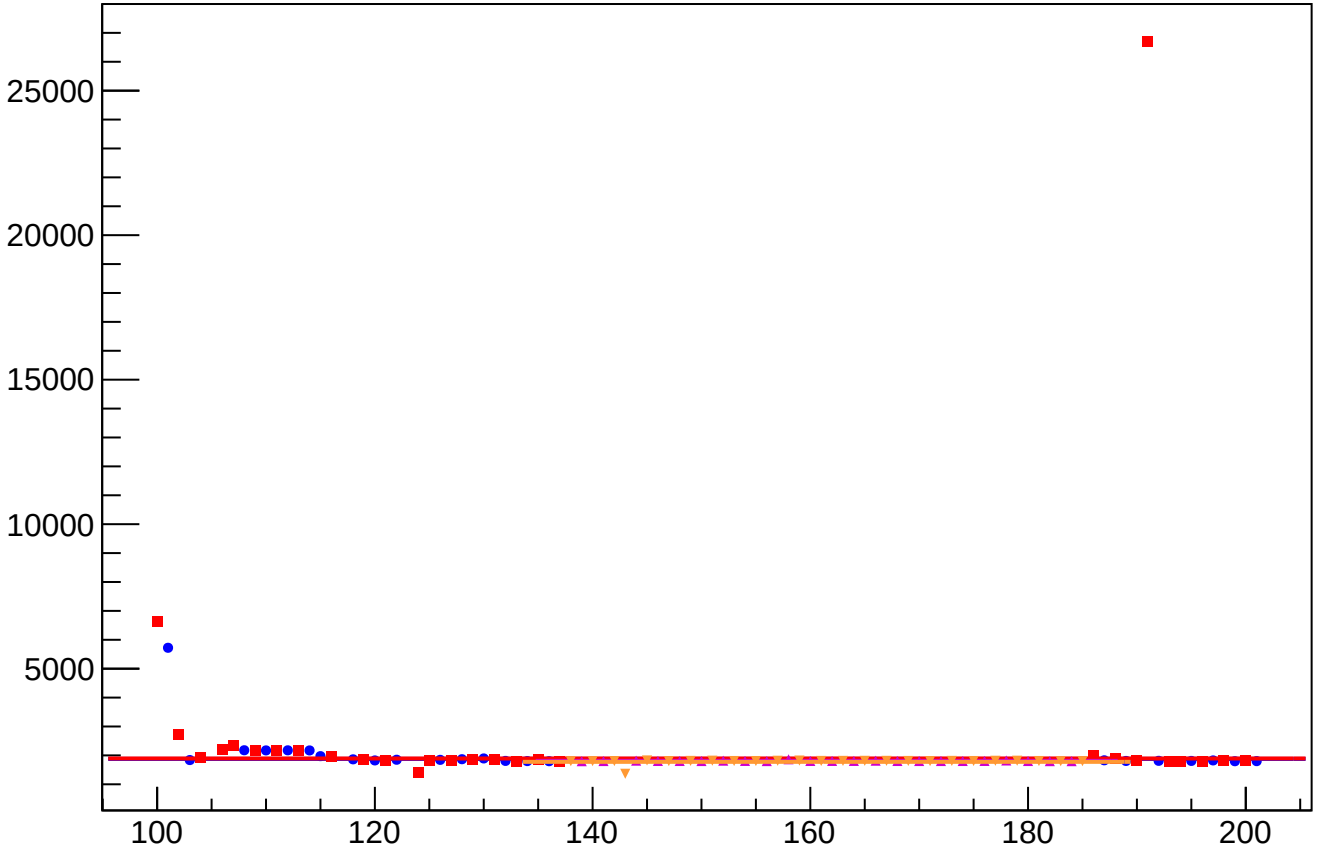
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -573.874+/-324.071 χ^2/NDF: 42.6/47

All: -62.286+/-230.738 χ^2/NDF: 96.6/98

- sign 463.704+/-328.601 χ^2/NDF: 49.0/50

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: 1893.107+/-0.369 χ^2/NDF: 619890.3/27

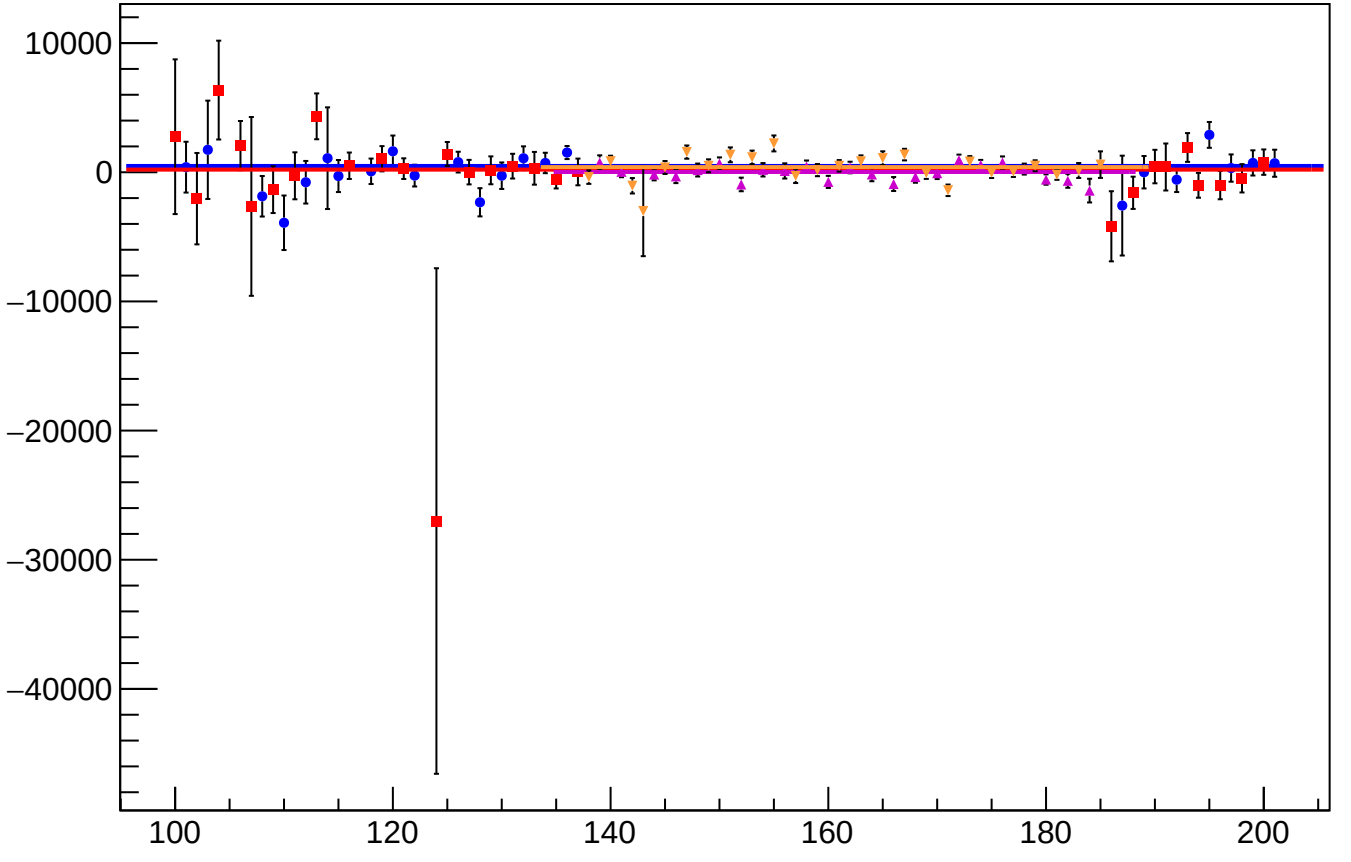
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.038+/-0.229 χ^2/NDF: 873371.7/47

All: 1828.095+/-0.163 χ^2/NDF: 1533792.3/98

- sign 1843.575+/-0.232 χ^2/NDF: 651664.7/50

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: 203.304+/-229.050 χ^2/NDF: 26.9/27

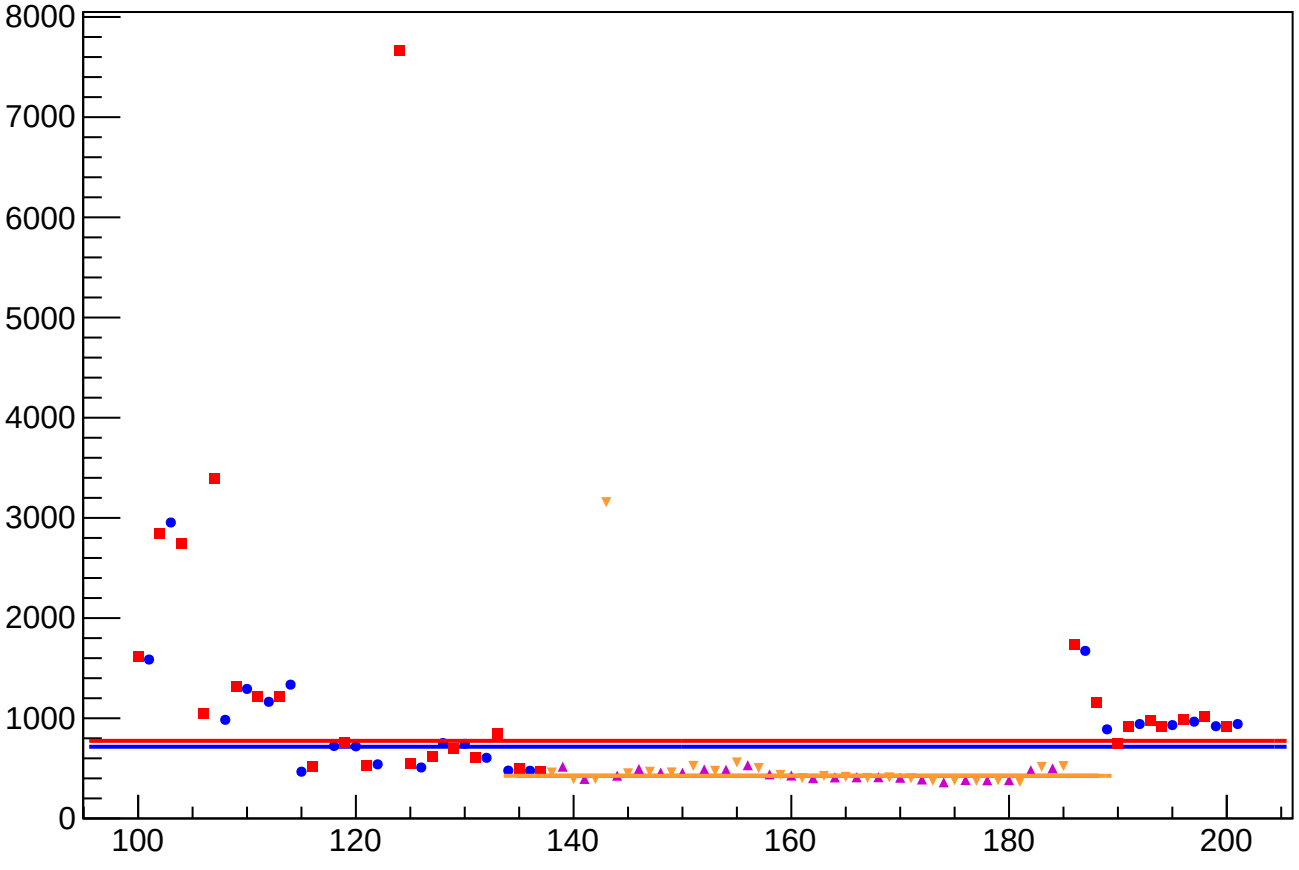
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 413.563+/-90.345 χ^2/NDF: 90.1/47

All: 235.125+/-64.409 χ^2/NDF: 156.4/98

- sign 50.695+/-91.850 χ^2/NDF: 58.3/50

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

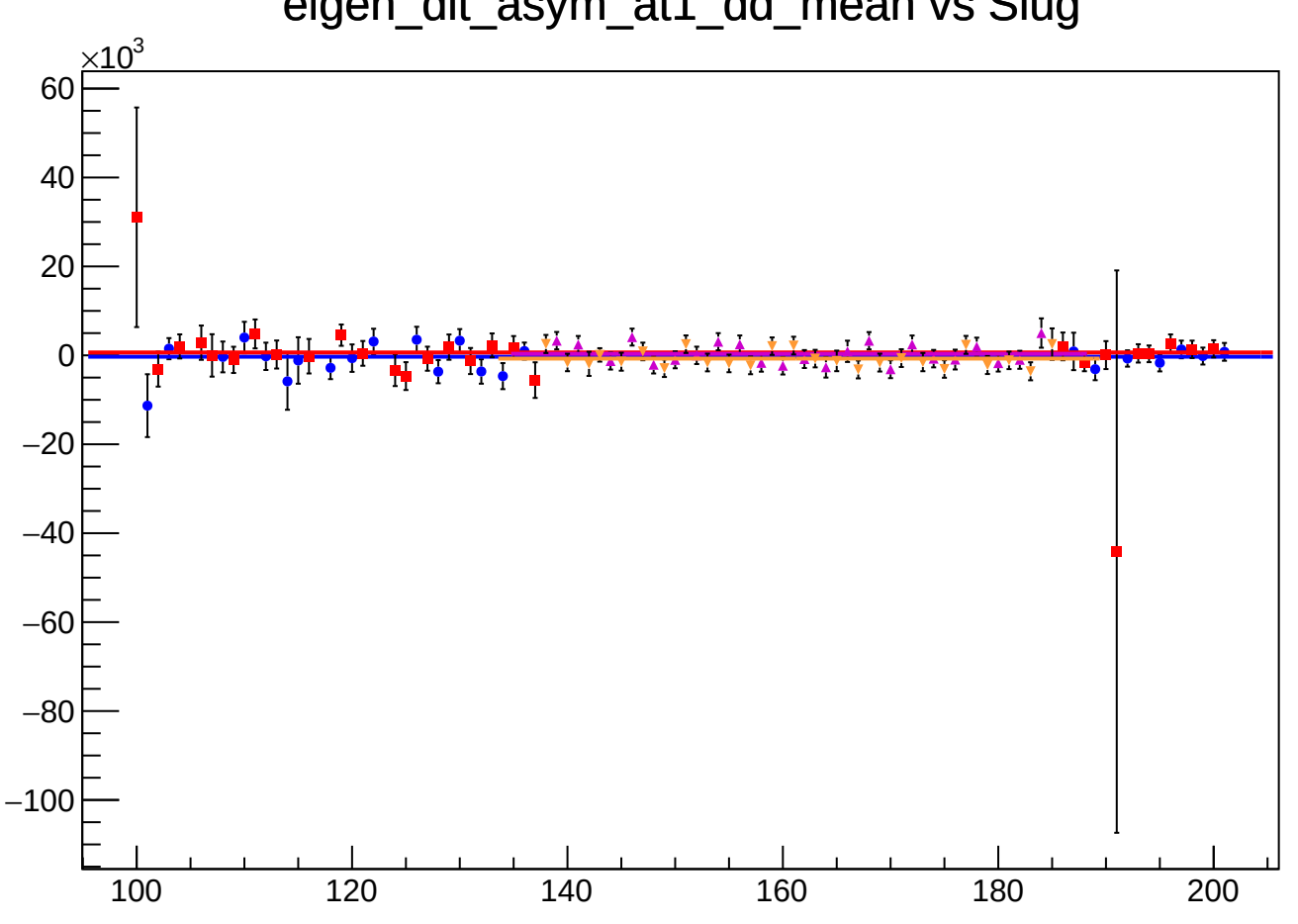
Right Out: 774.706+/-0.162 χ^2/NDF: 4095809.1/27

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 475.004+/-0.064 χ^2/NDF: 7739671.1/47

All: 478.539+/-0.046 χ^2/NDF: 16143929.8/98

- sign 482.194+/-0.065 χ^2/NDF: 8398028.9/50



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: 650.423+/-522.102 χ^2/NDF: 19.1/27

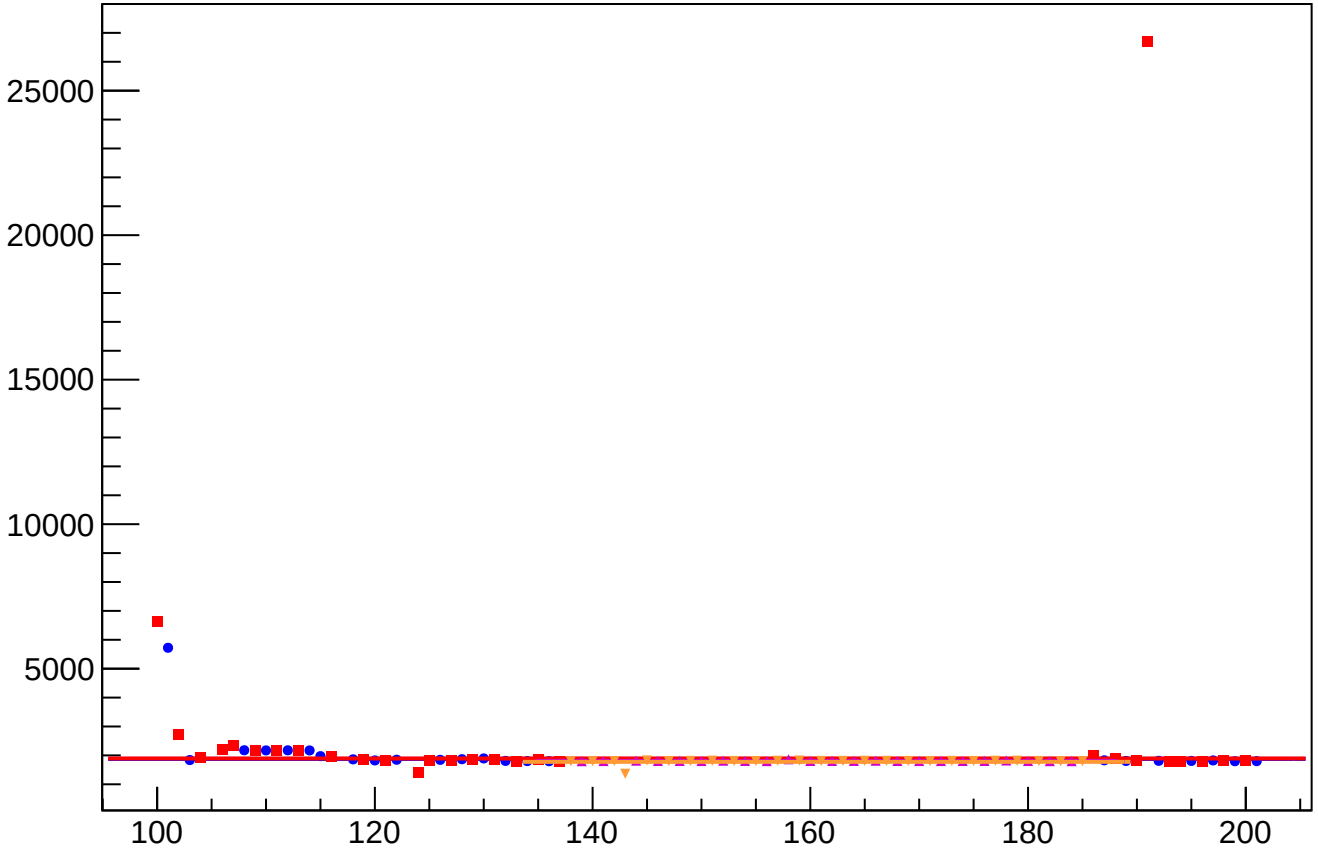
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

\+ sign -573.875+/-324.071 χ^2/NDF: 42.6/47

All: -62.287+/-230.738 χ^2/NDF: 96.6/98

\- sign 463.703+/-328.601 χ^2/NDF: 49.0/50

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: 1893.107+/-0.369 χ^2/NDF: 619890.1/27

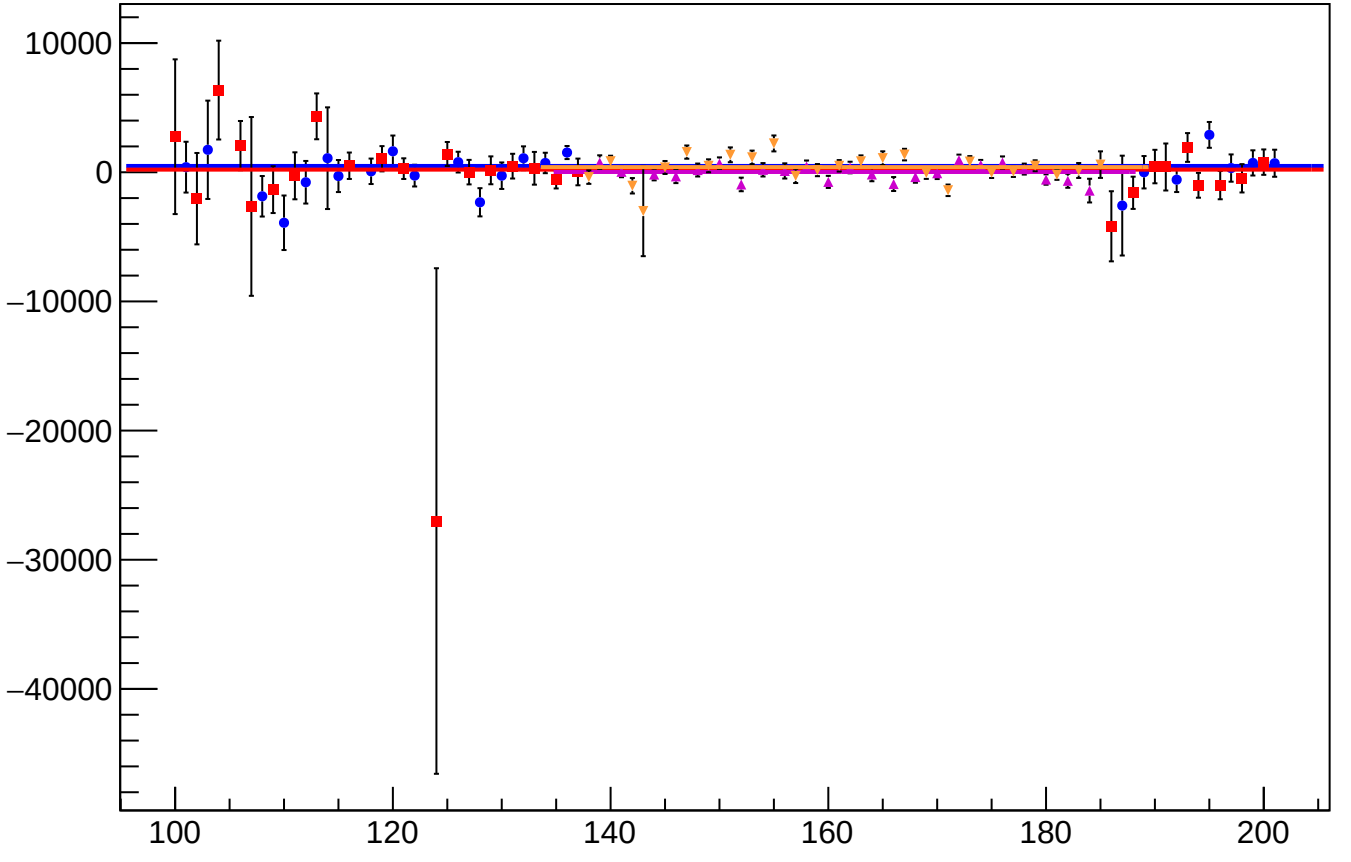
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.038+/-0.229 χ^2/NDF: 873371.7/47

All: 1828.095+/-0.163 χ^2/NDF: 1533792.1/98

- sign 1843.575+/-0.232 χ^2/NDF: 651664.5/50

asym_at1_dd_eigen_dit_correction_mean vs Slug



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: 203.305+/-229.050 χ^2/NDF: 26.9/27

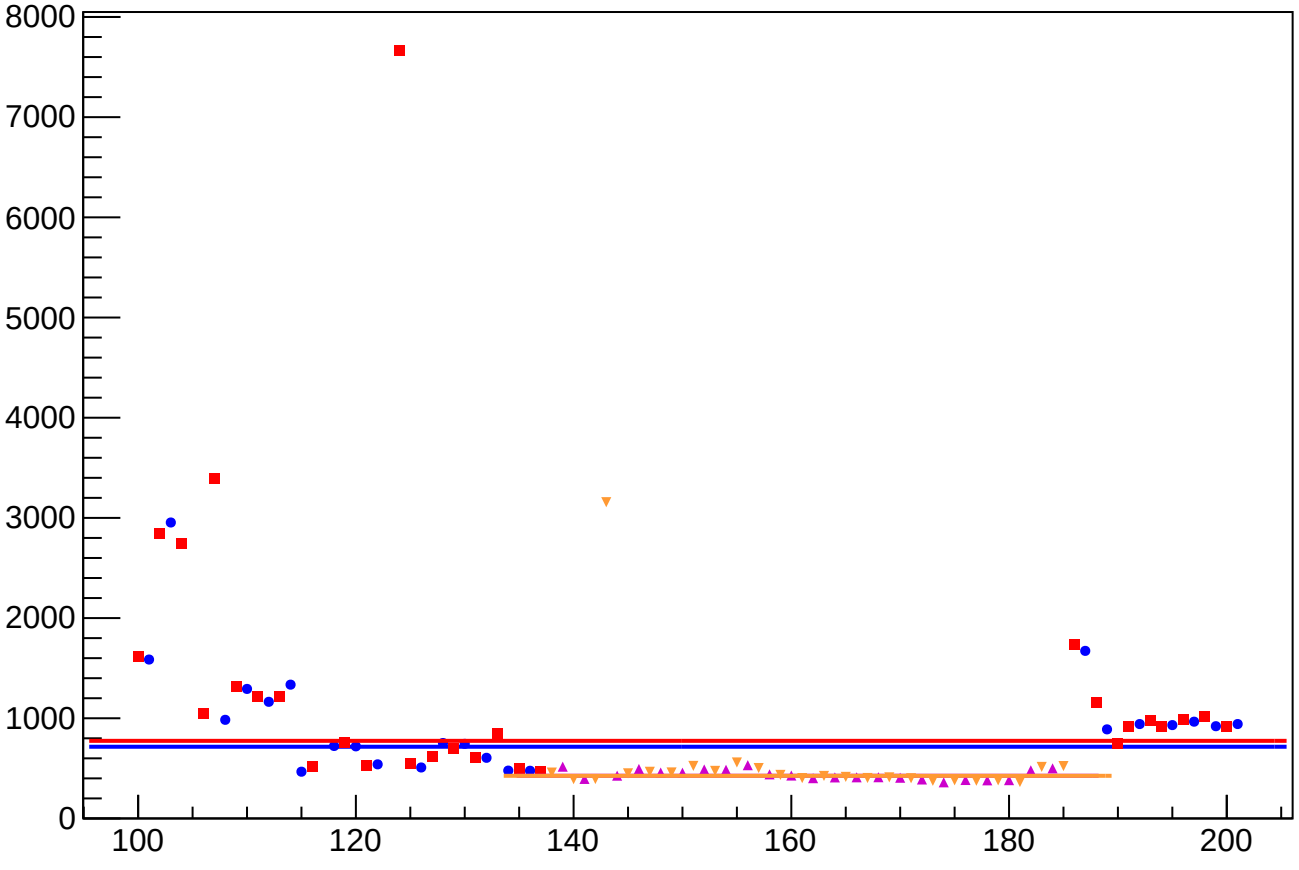
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 413.562+/-90.345 χ^2/NDF: 90.1/47

All: 235.125+/-64.409 χ^2/NDF: 156.4/98

- sign 50.695+/-91.850 χ^2/NDF: 58.3/50

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: 774.706+/-0.162 χ^2/NDF: 4095812.7/27

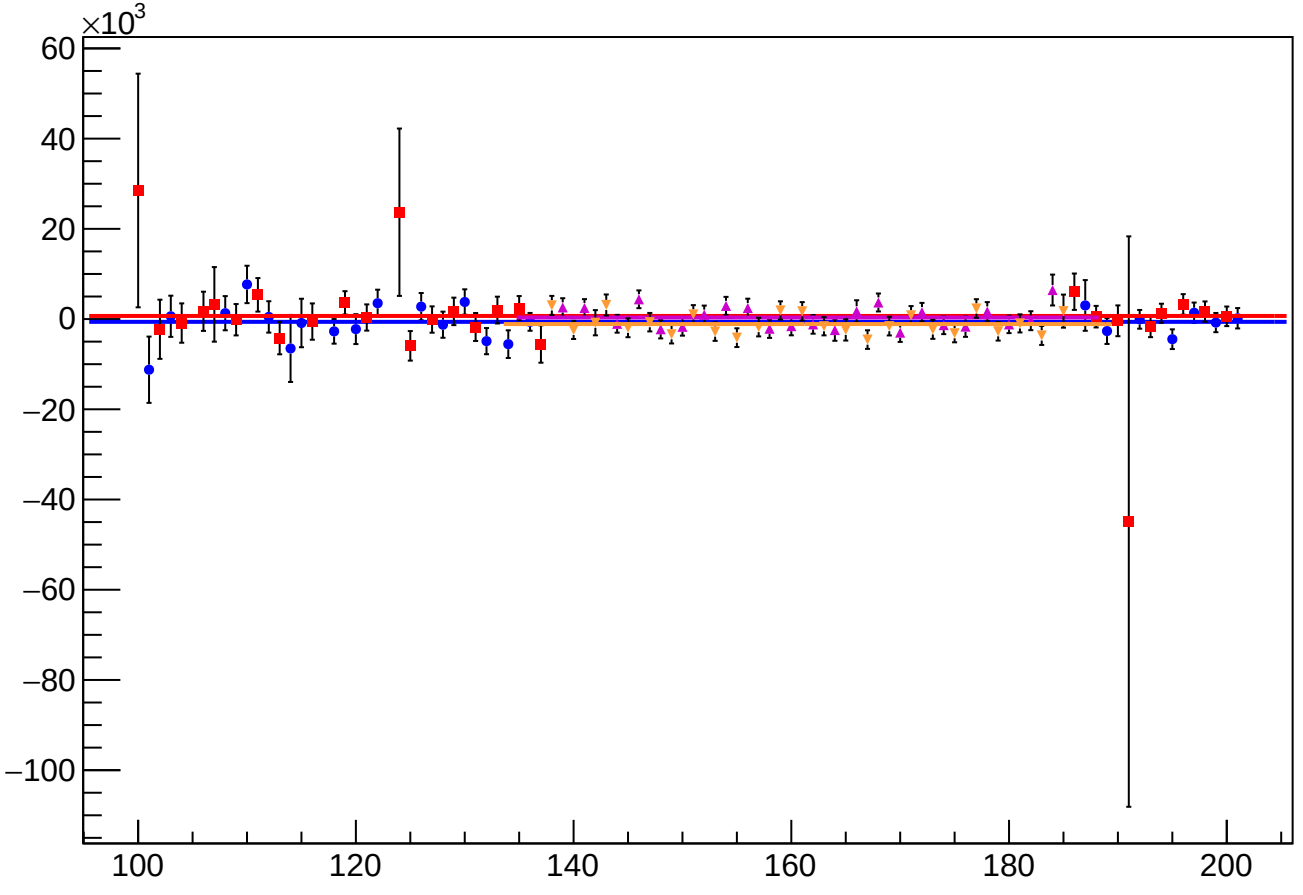
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 475.003+/-0.064 χ^2/NDF: 7739679.0/47

All: 478.539+/-0.046 χ^2/NDF: 16143946.7/98

- sign 482.194+/-0.065 χ^2/NDF: 8398037.8/50

asym_at1_dd_mean vs Slug



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: 691.311+/-599.804 χ^2/NDF: 20.8/27

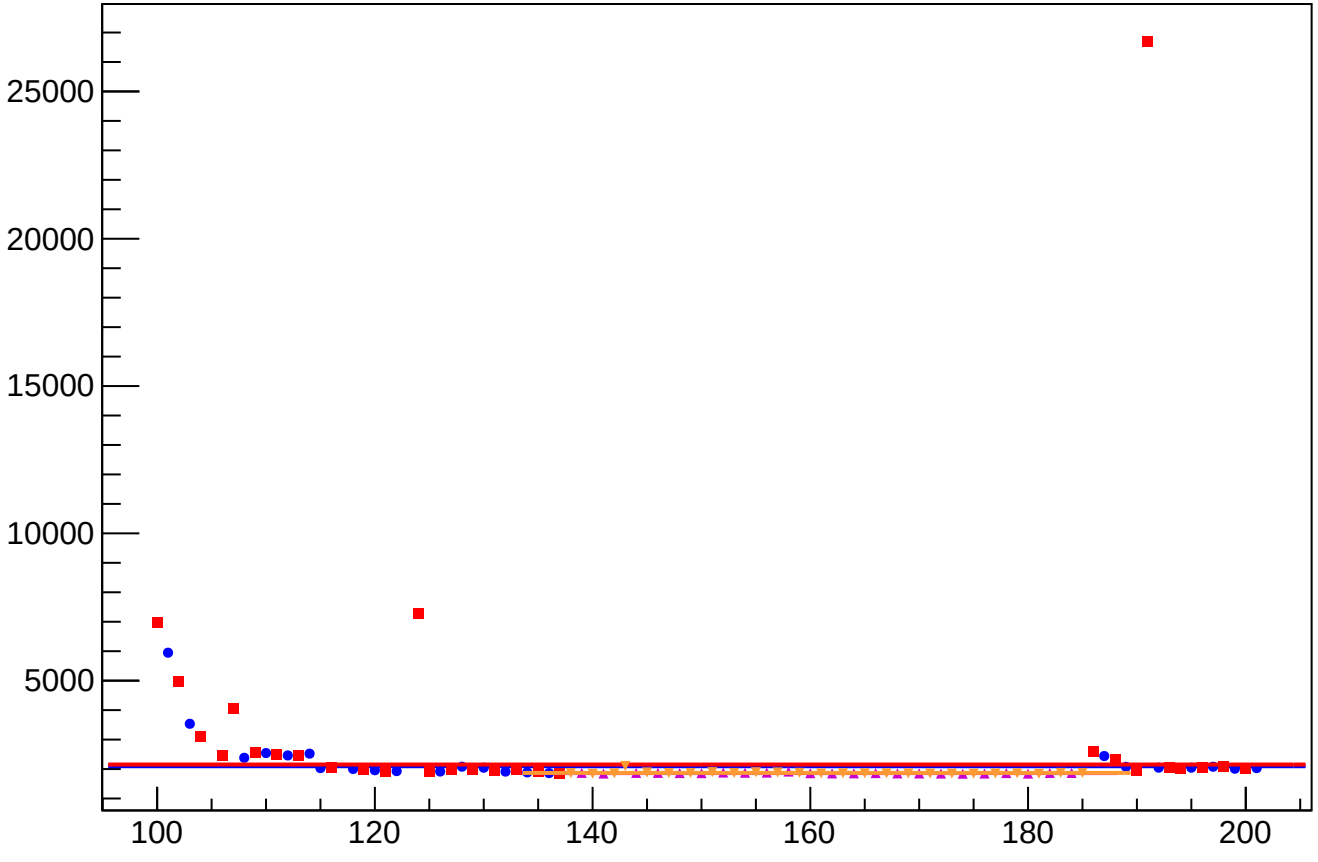
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -944.669+/-348.014 χ^2/NDF: 51.9/47

All: -247.783+/-247.519 χ^2/NDF: 109.8/98

- sign 465.616+/-352.113 χ^2/NDF: 49.8/50

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: 2152.925+/-0.424 χ^2/NDF: 1315187.1/27

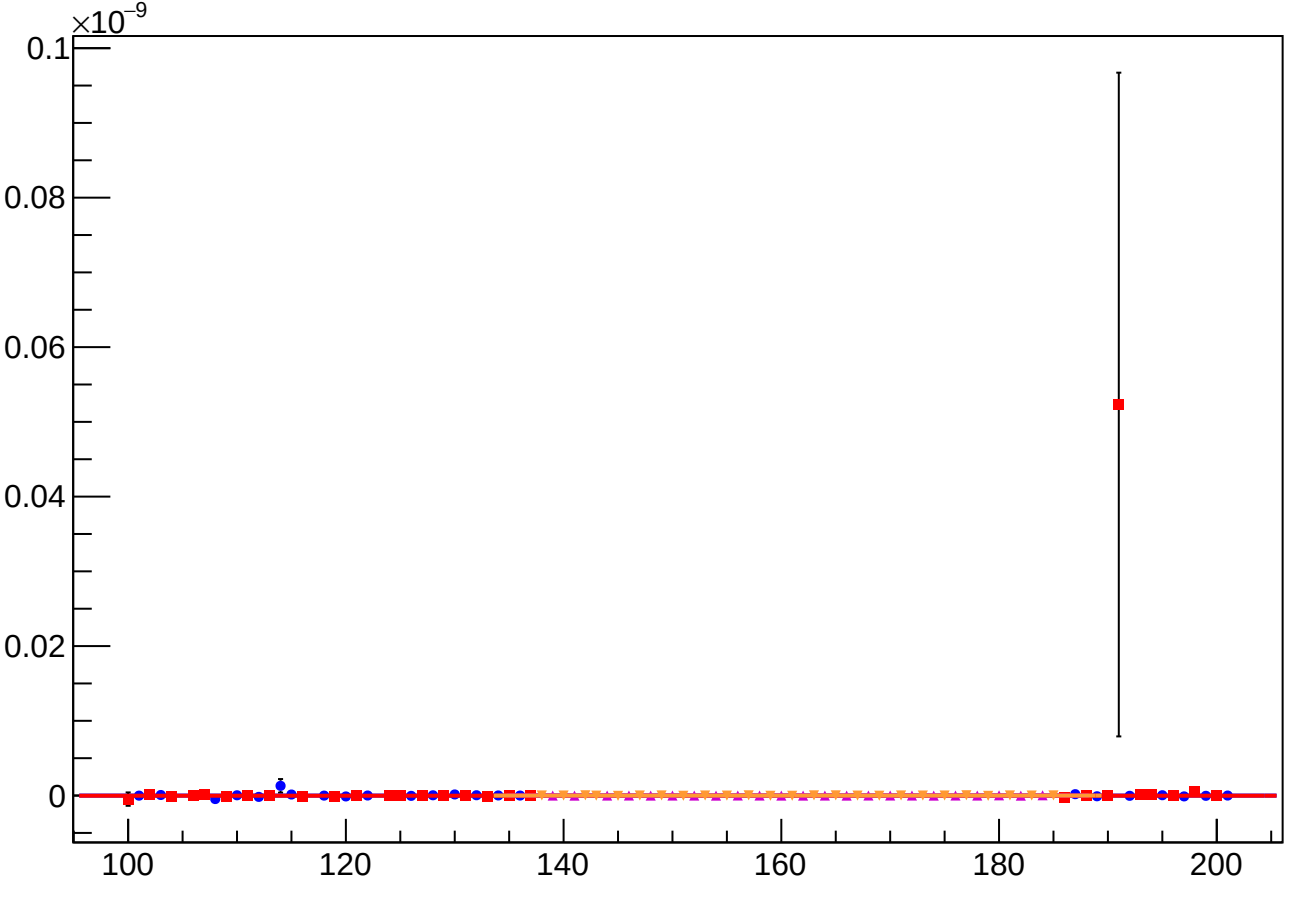
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1943.267+/-0.246 χ^2/NDF: 1102704.3/47

All: 1952.920+/-0.175 χ^2/NDF: 2730332.3/98

- sign 1962.803+/-0.249 χ^2/NDF: 1624513.8/50

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: 25.2/27

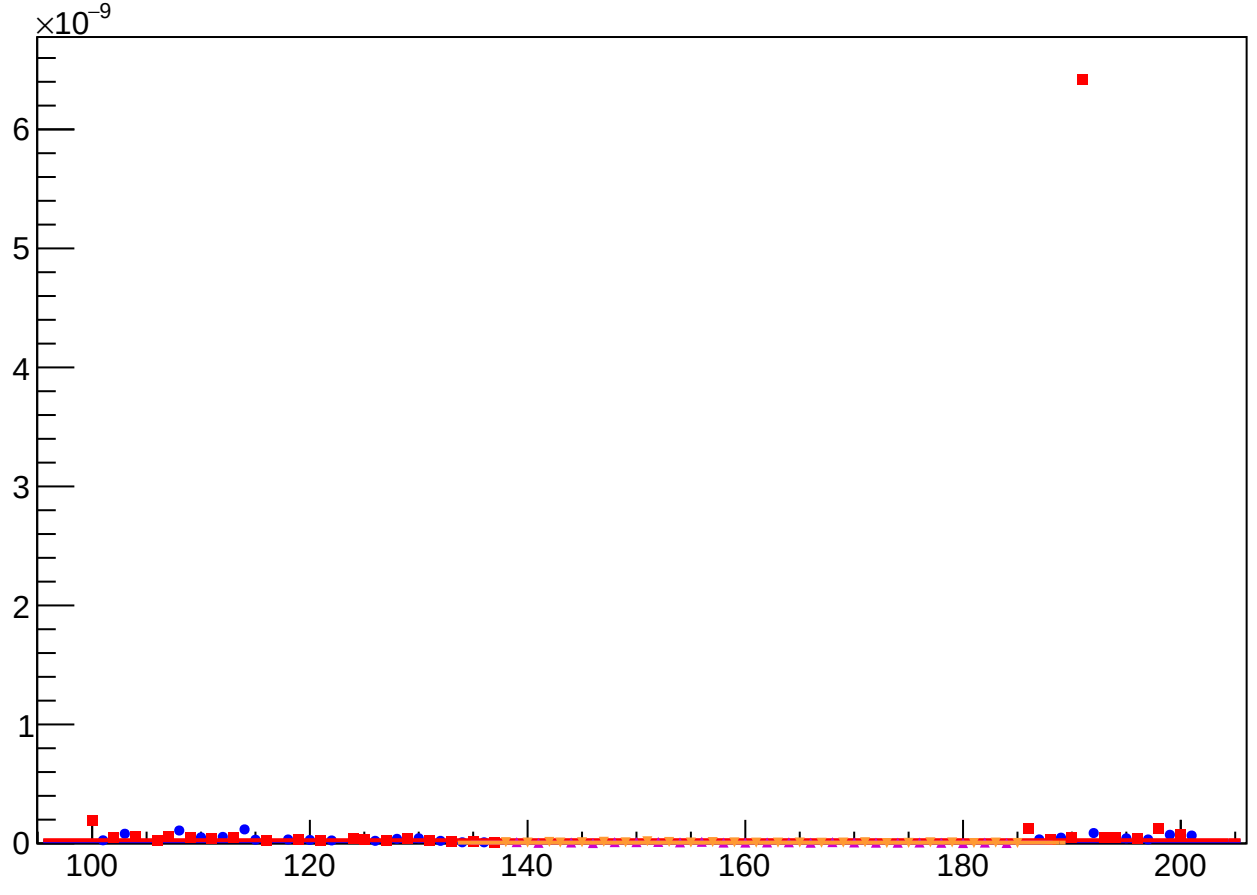
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.3/47

All: 0.000+/-0.000 χ^2/NDF: 110.8/98

- sign 0.000+/-0.000 χ^2/NDF: 45.8/50

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: 2943070.0/27

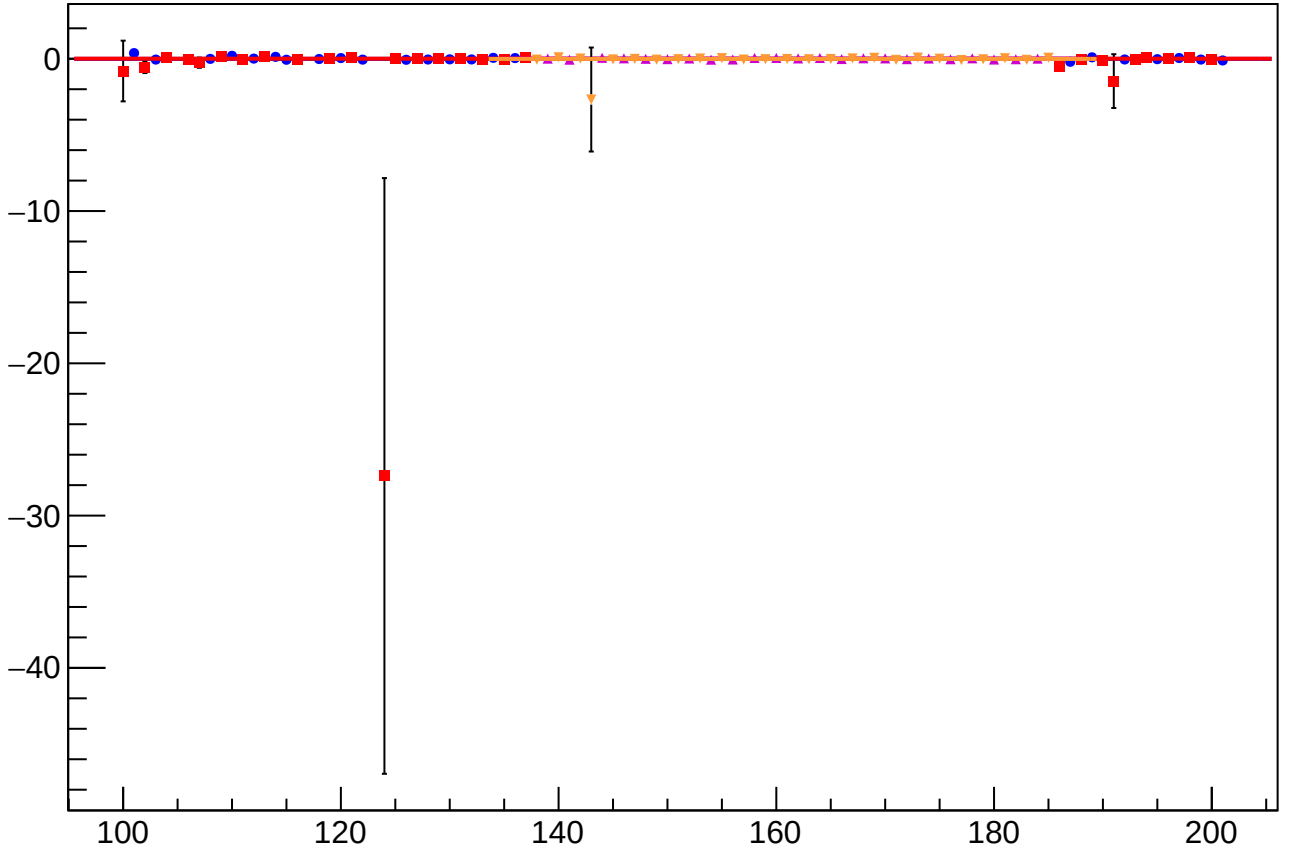
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8165391.0/47

All: 0.000+/-0.000 χ^2/NDF: 16416887.5/98

- sign 0.000+/-0.000 χ^2/NDF: 8249188.4/50

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: 25.5/27

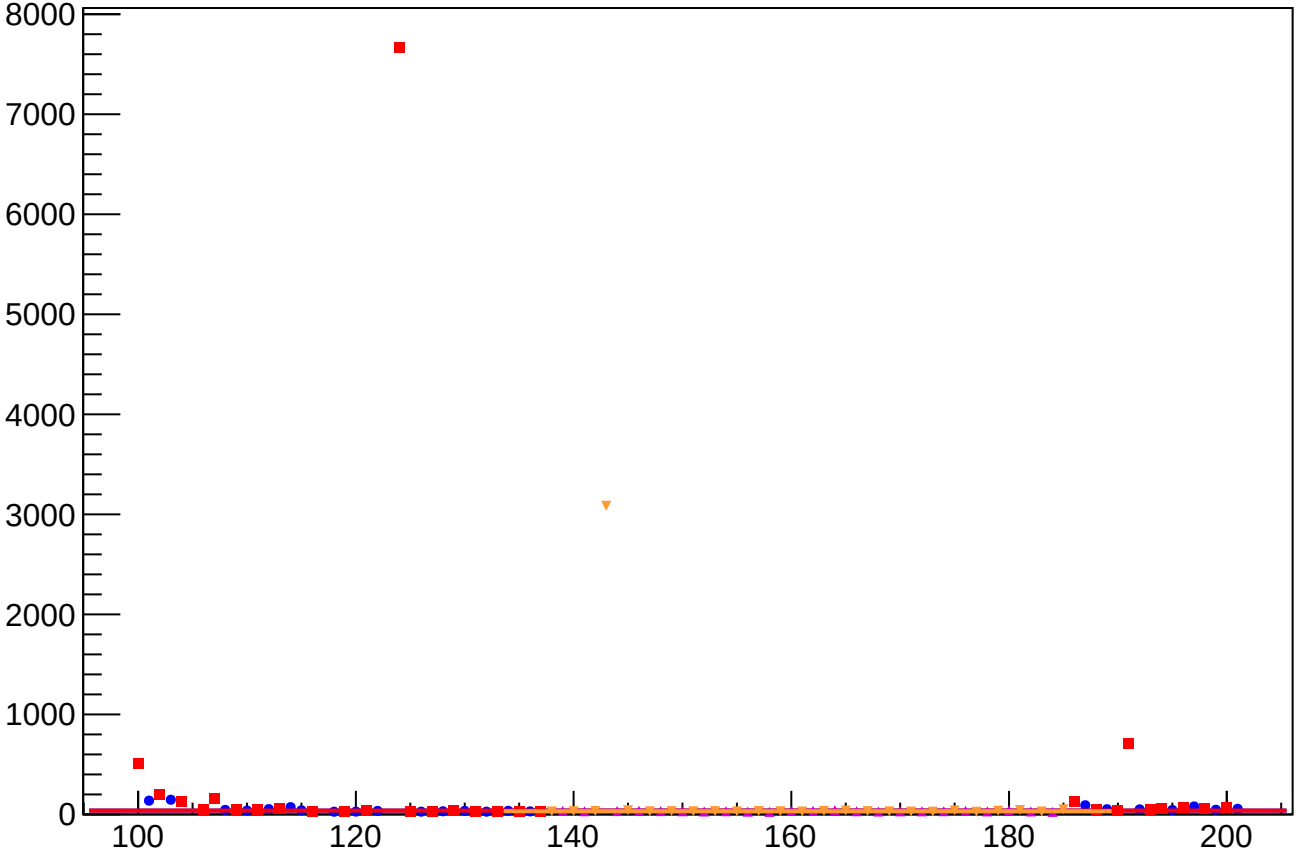
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.3/47

All: -0.002+/-0.005 χ^2/NDF: 115.5/98

- sign 0.004+/-0.007 χ^2/NDF: 46.3/50

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

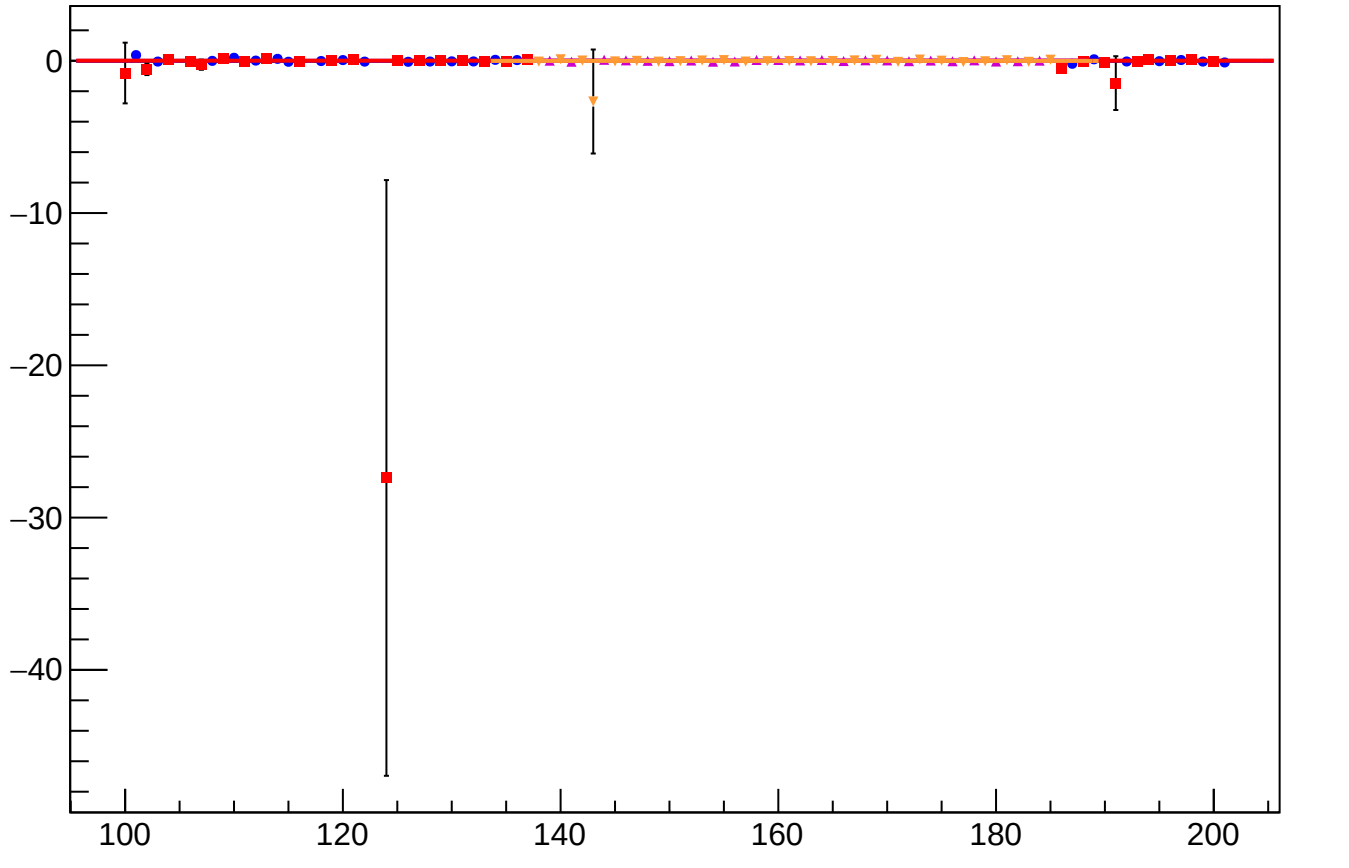
Right Out: 39.014+/-0.009 χ^2/NDF: 4133907.1/27

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 34.114+/-0.005 χ^2/NDF: 5250334.5/47

All: 34.237+/-0.003 χ^2/NDF: 10183992.6/98

- sign 34.361+/-0.005 χ^2/NDF: 4932394.7/50



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: 25.5/27

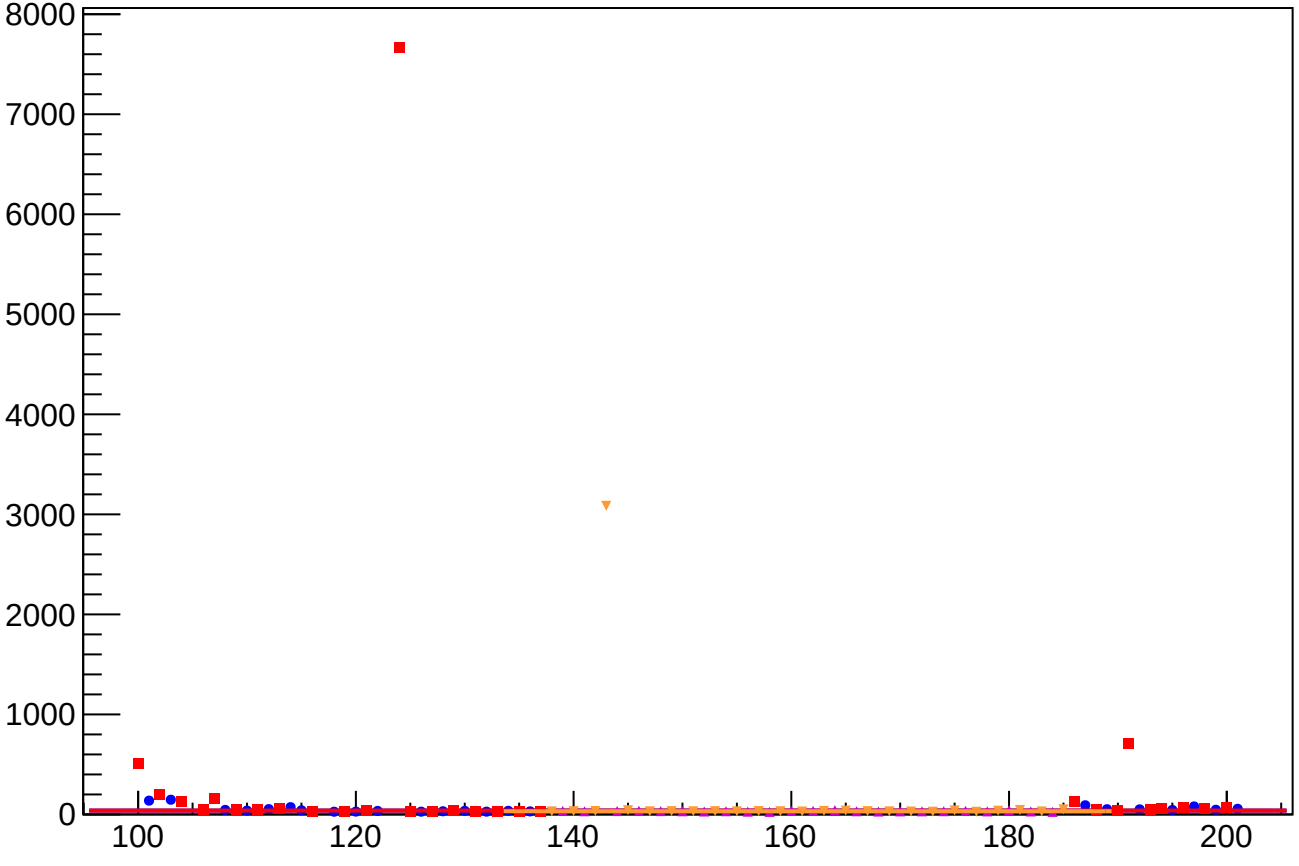
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.3/47

All: -0.002+/-0.005 χ^2/NDF: 115.5/98

- sign 0.004+/-0.007 χ^2/NDF: 46.3/50

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

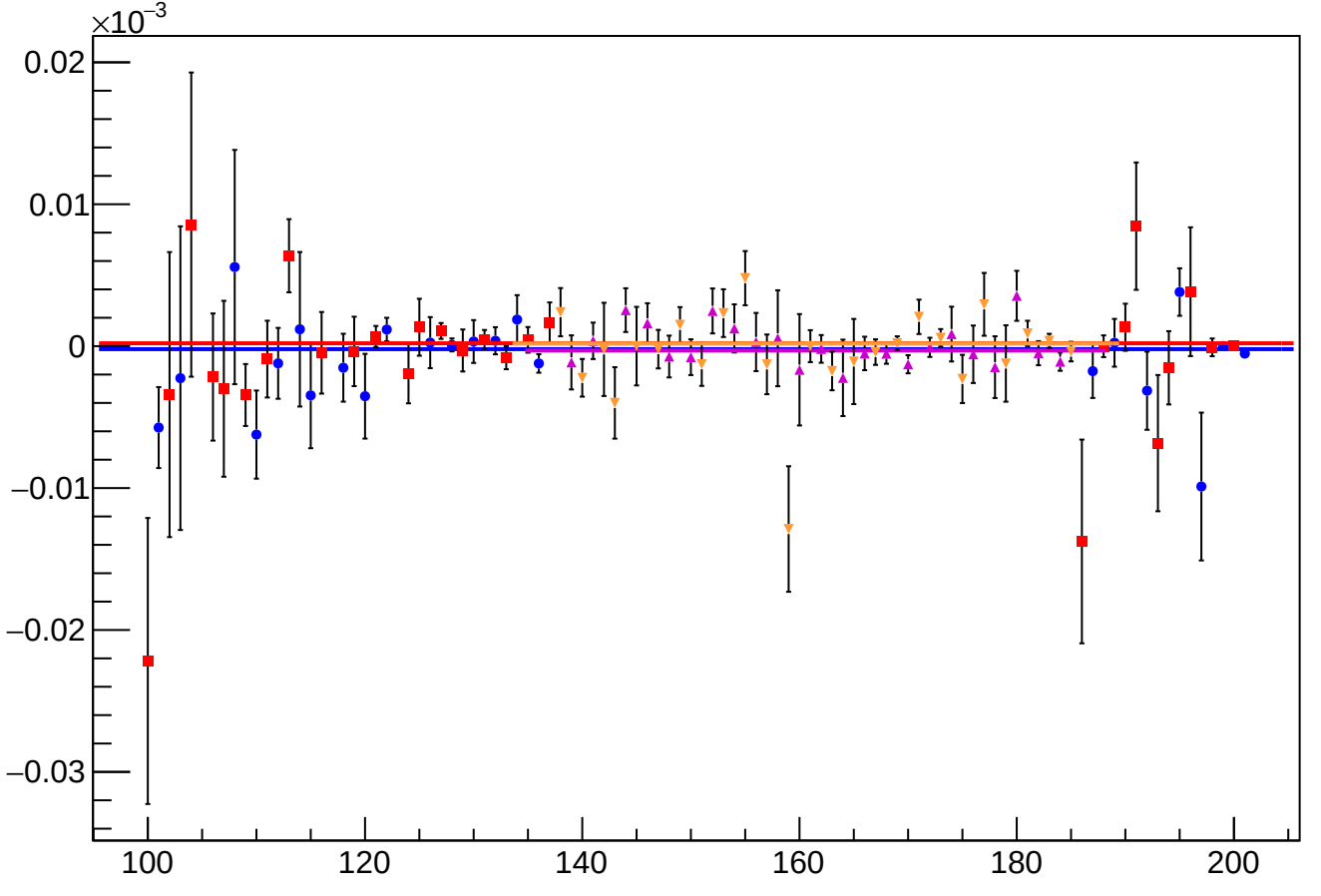
Right Out: 39.014+/-0.009 χ^2/NDF: 4133907.1/27

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 34.114+/-0.005 χ^2/NDF: 5250334.5/47

All: 34.237+/-0.003 χ^2/NDF: 10183992.6/98

- sign 34.361+/-0.005 χ^2/NDF: 4932394.7/50



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: 33.6/27

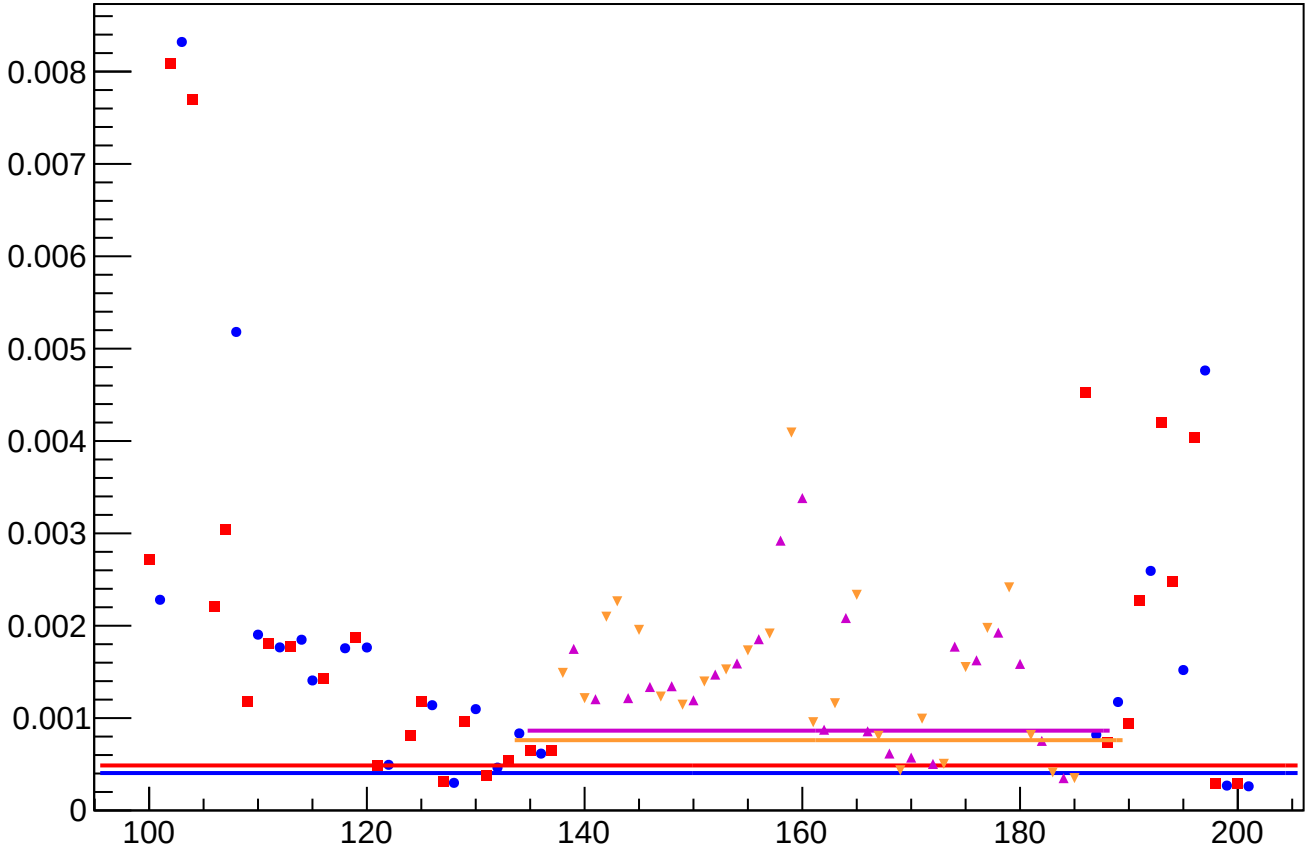
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.7/47

All: -0.000+/-0.000 χ^2/NDF: 127.4/98

- sign 0.000+/-0.000 χ^2/NDF: 56.6/50

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

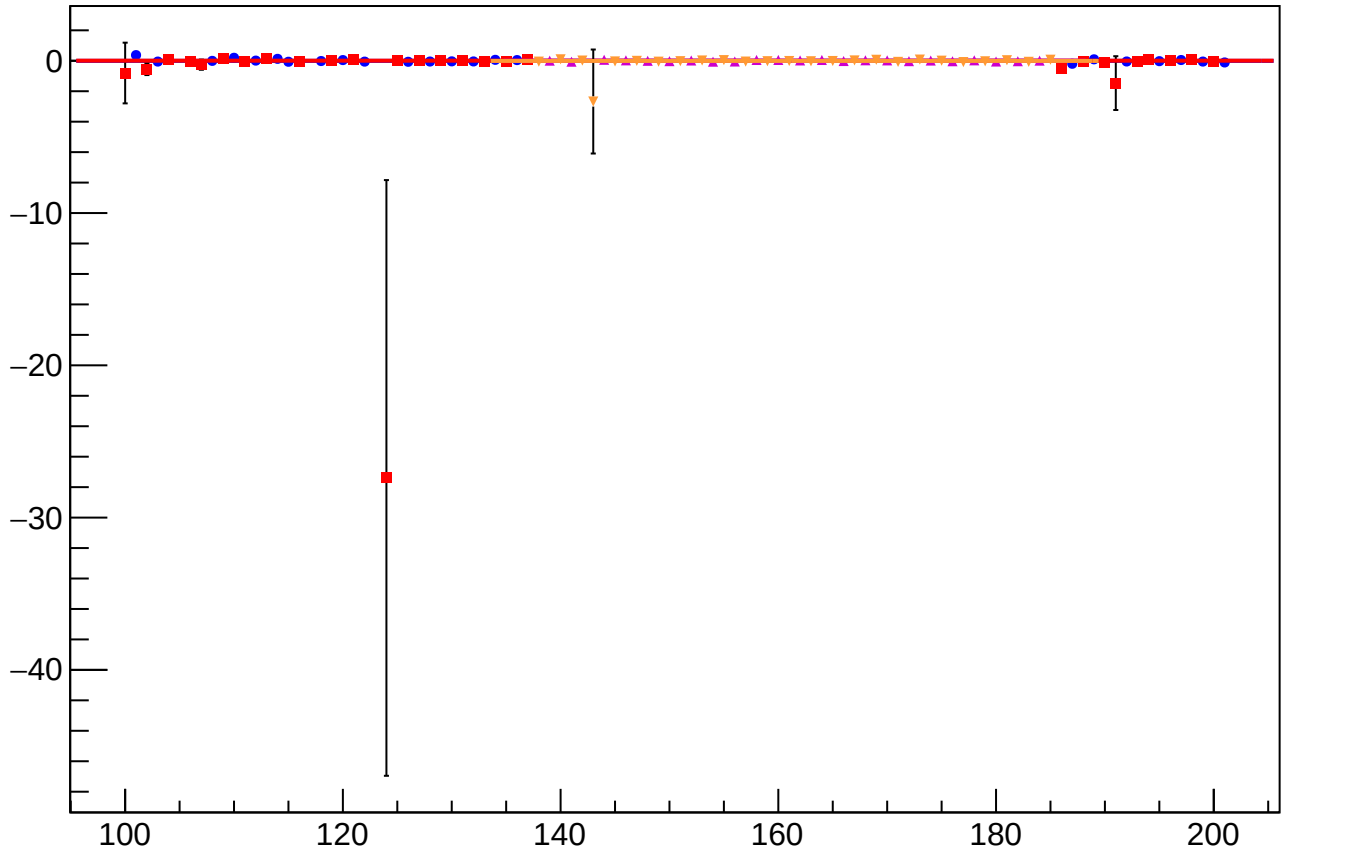
Right Out: 0.000+/-0.000 χ^2/NDF: 11596938.4/27

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: 49361887.1/98

- sign 0.001+/-0.000 χ^2/NDF: 23076305.2/50



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: 25.5/27

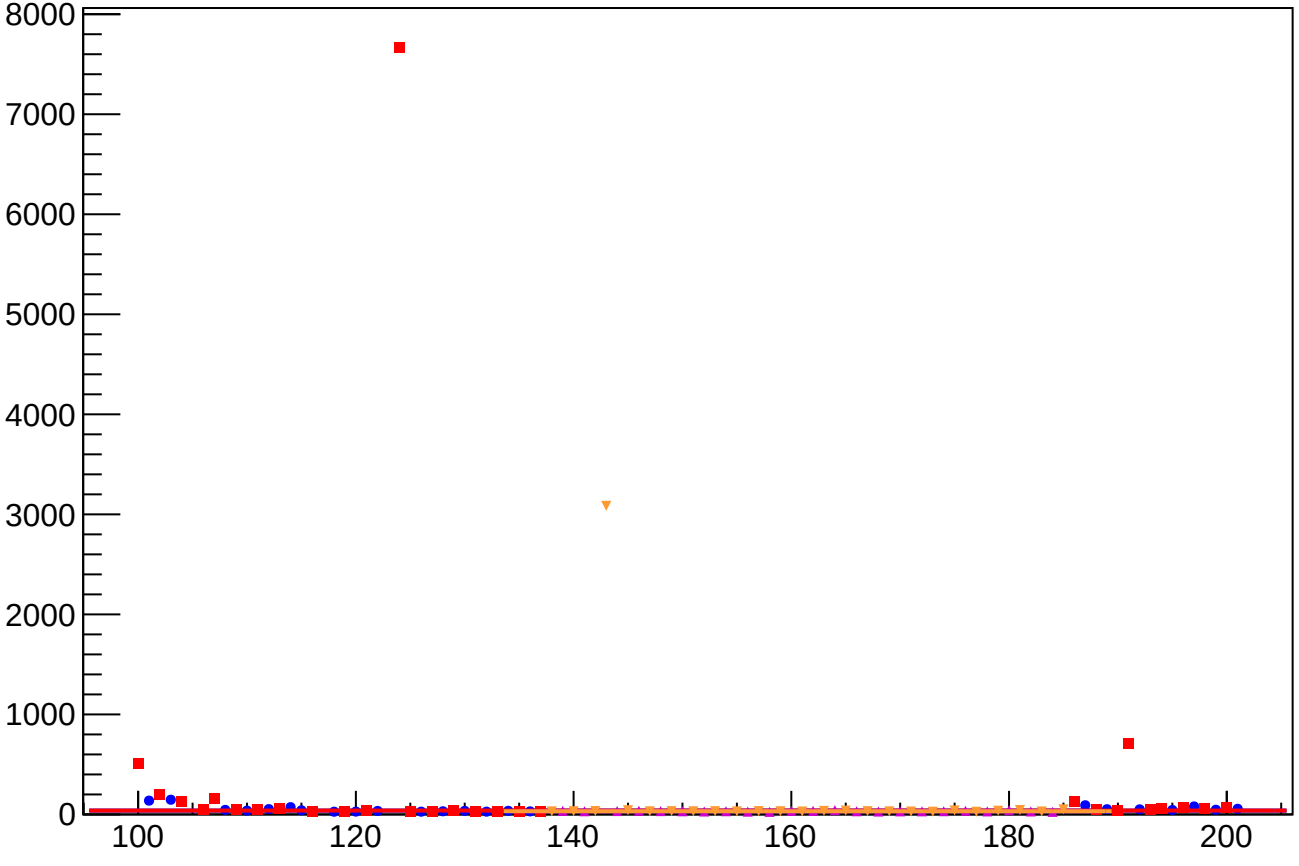
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.3/47

All: -0.002+/-0.005 χ^2/NDF: 115.5/98

- sign 0.004+/-0.007 χ^2/NDF: 46.3/50

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

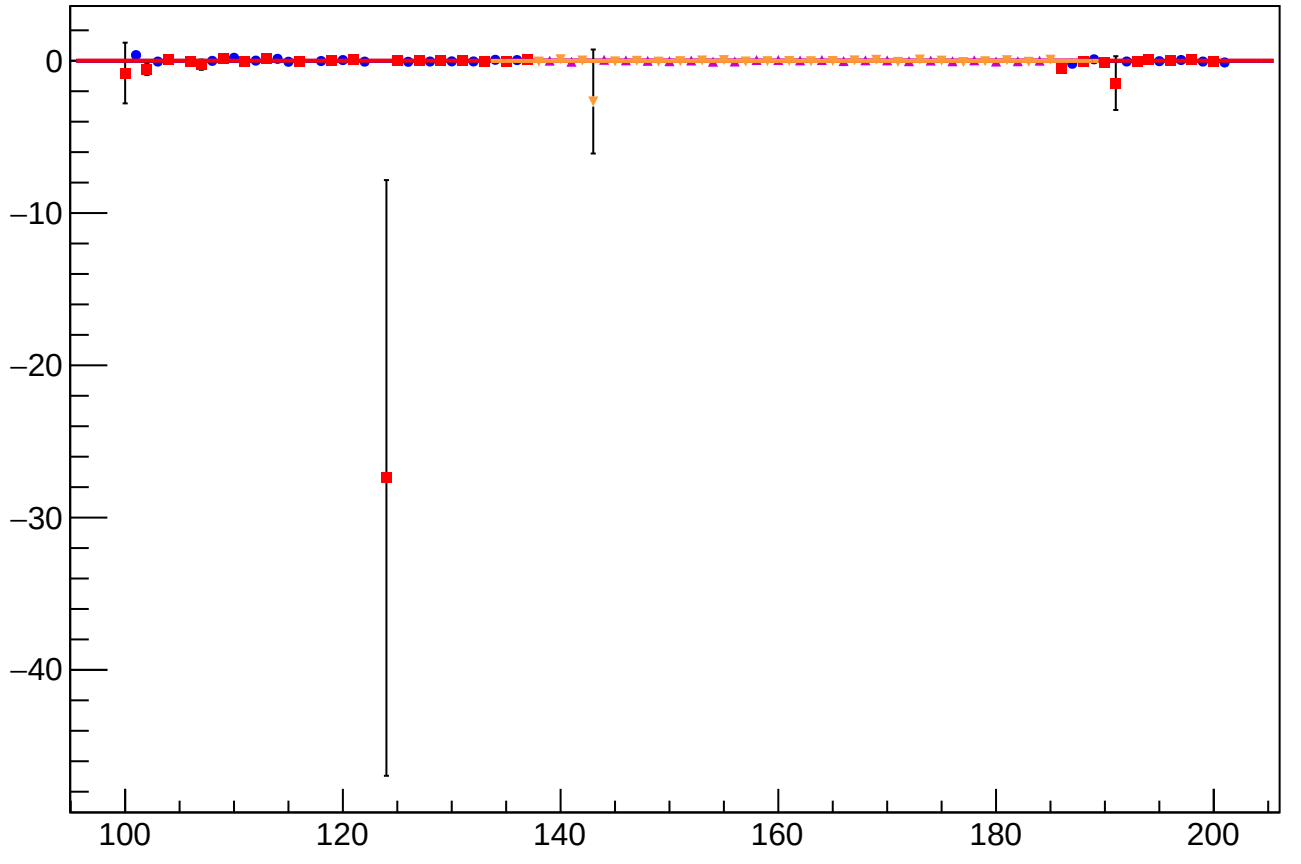
Right Out: 39.014+/-0.009 χ^2/NDF: 4133899.1/27

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 34.114+/-0.005 χ^2/NDF: 5250349.8/47

All: 34.237+/-0.003 χ^2/NDF: 10183878.9/98

- sign 34.361+/-0.005 χ^2/NDF: 4932263.2/50



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: 25.5/27

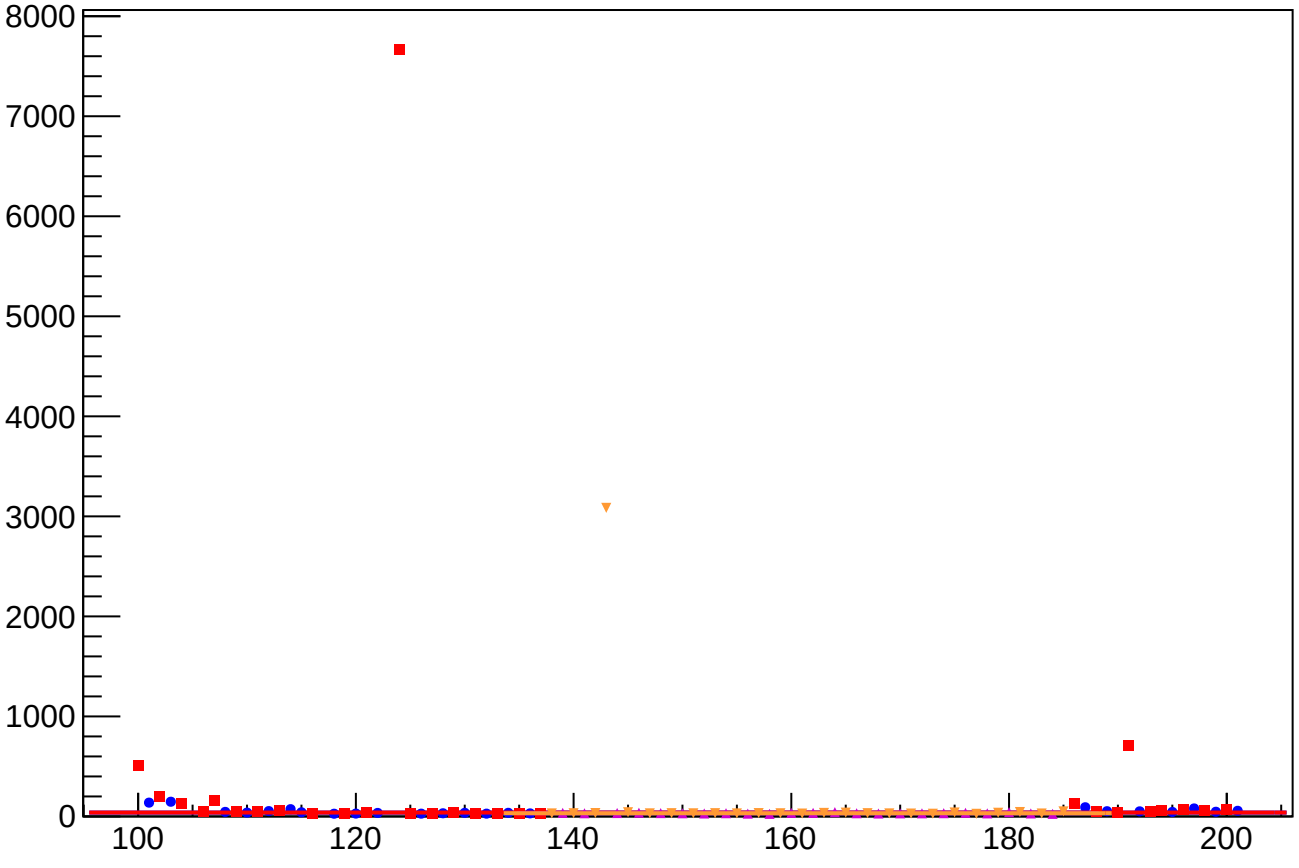
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.3/47

All: -0.002+/-0.005 χ^2/NDF: 115.5/98

- sign 0.004+/-0.007 χ^2/NDF: 46.3/50

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: 39.014+/-0.009 χ^2/NDF: 4133899.1/27

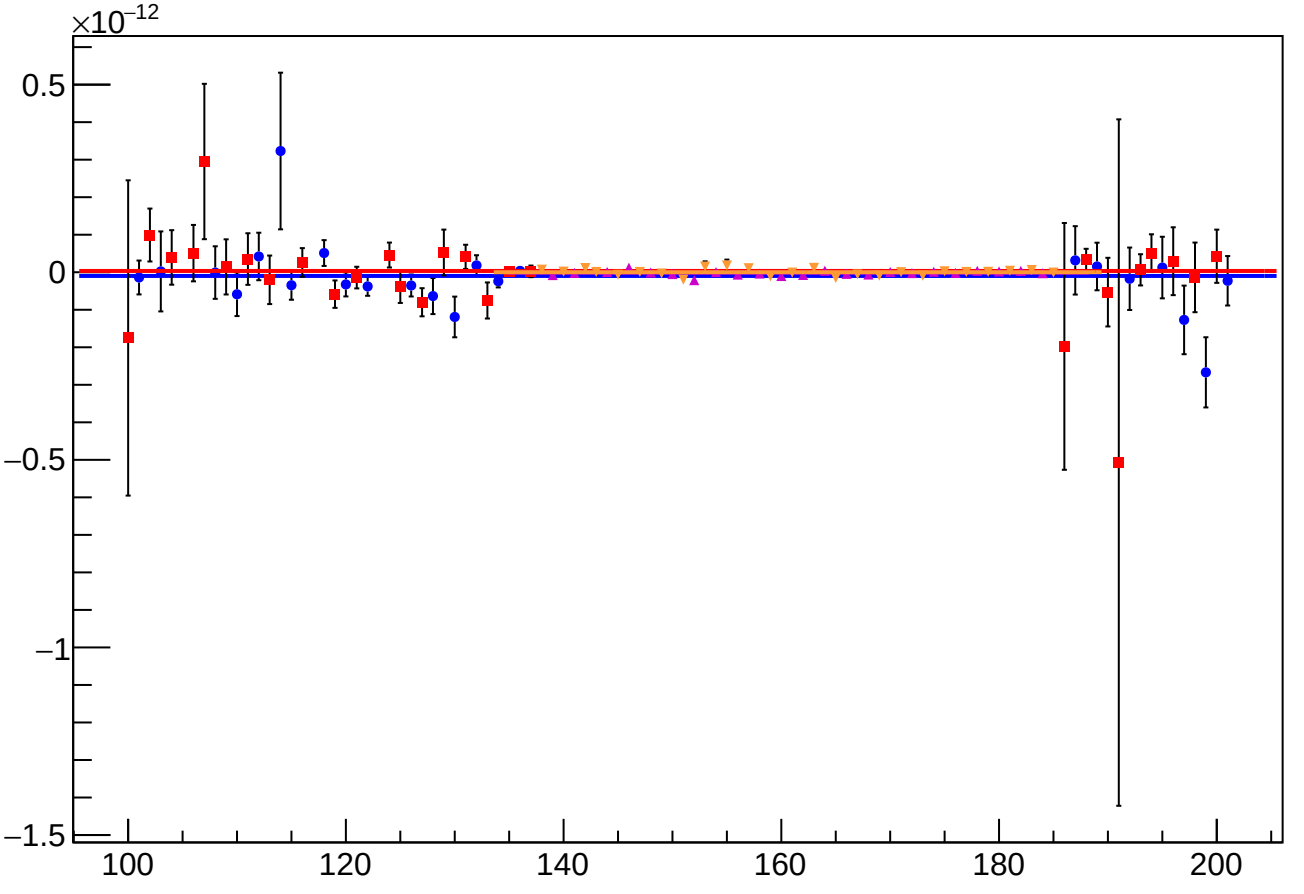
Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 34.114+/-0.005 χ^2/NDF: 5250349.8/47

All: 34.237+/-0.003 χ^2/NDF: 10183878.9/98

- sign 34.361+/-0.005 χ^2/NDF: 4932263.2/50

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

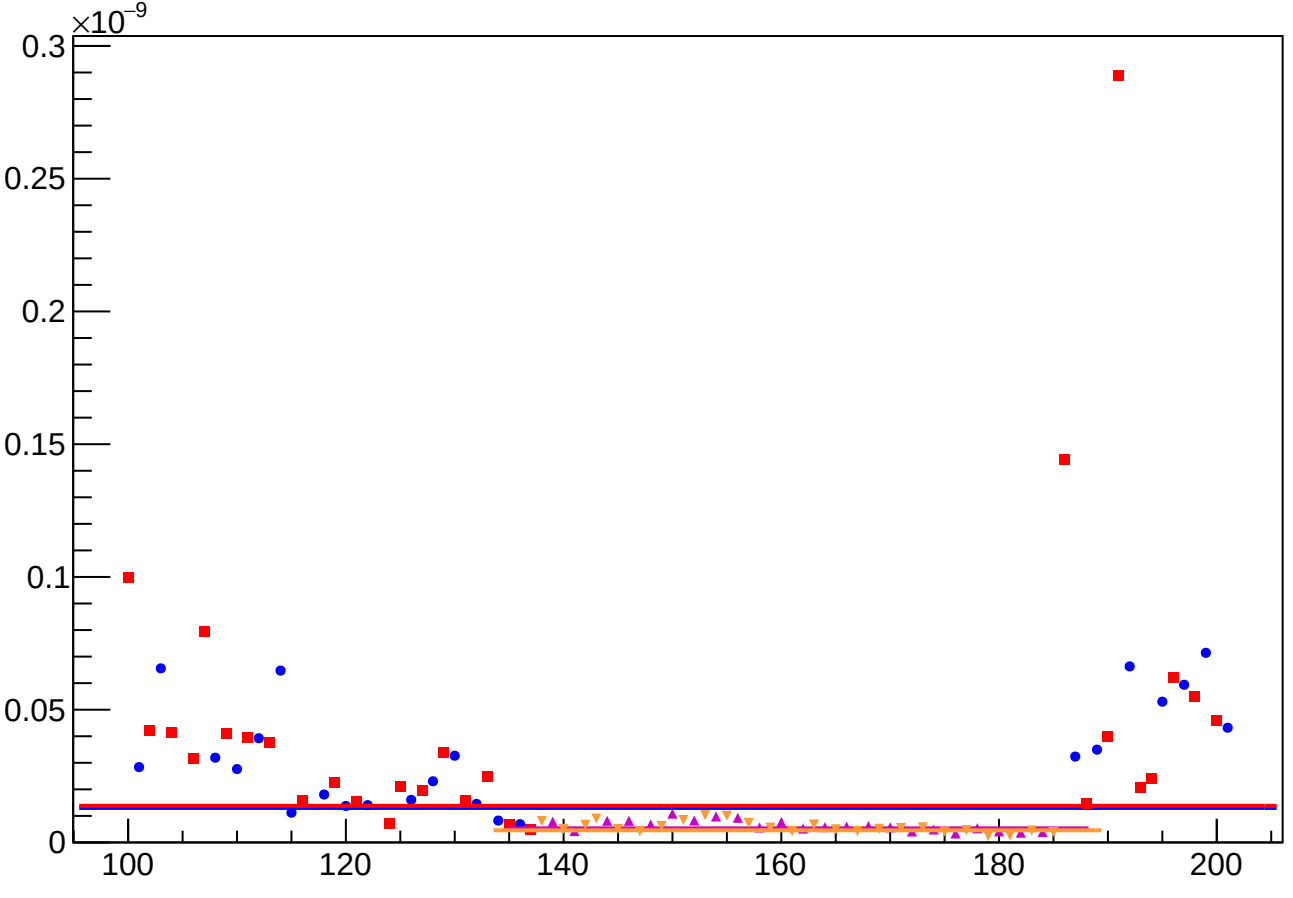
Right Out: 0.000+/-0.000 χ^2/NDF: 24.3/27

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: 86.4/98

- sign -0.000+/-0.000 χ^2/NDF: 33.9/50



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: 6031842.6/27

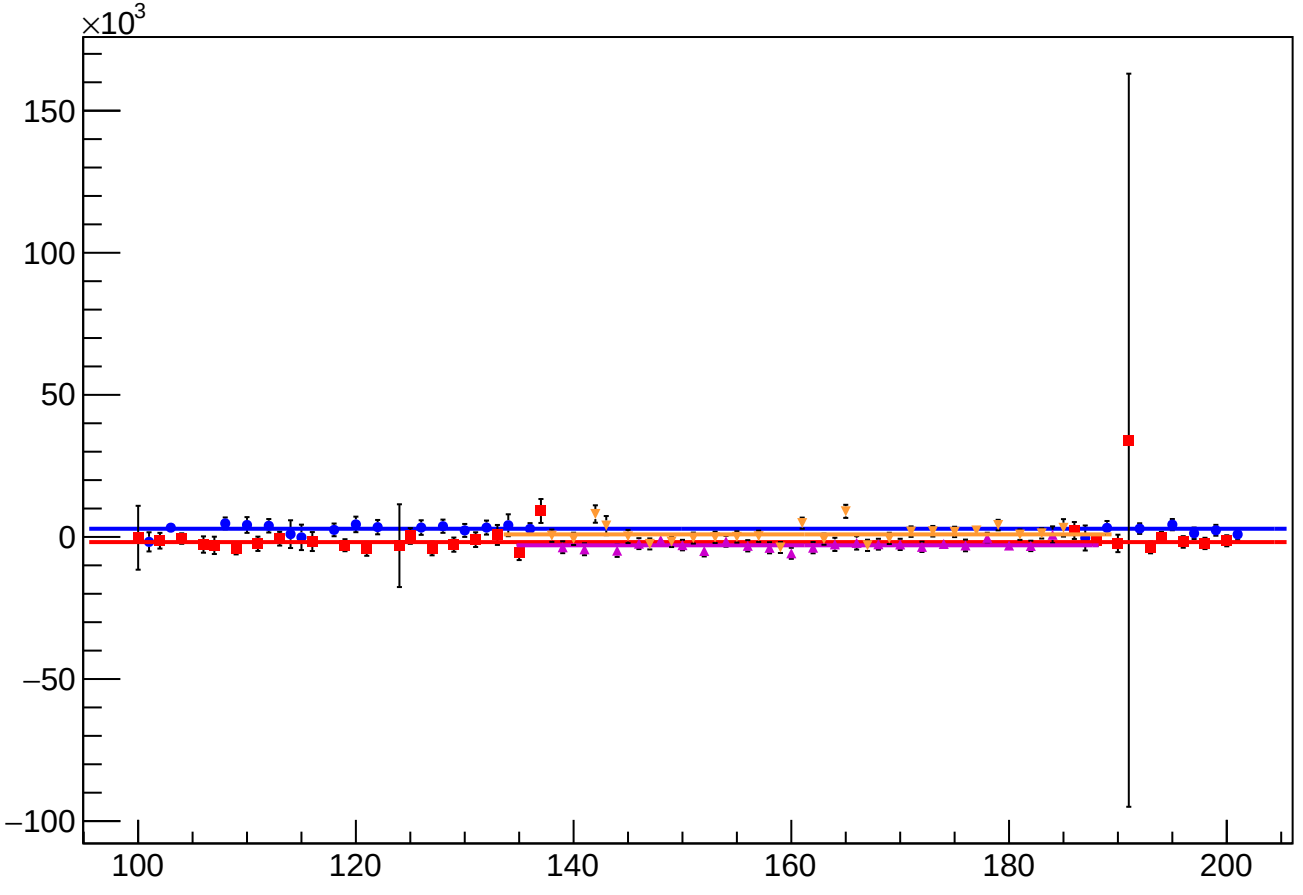
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12526882.4/47

All: 0.000+/-0.000 χ^2/NDF: 23991499.0/98

- sign 0.000+/-0.000 χ^2/NDF: 11218274.0/50

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: -1811.071+/-480.560 χ^2/NDF: 18.0/27

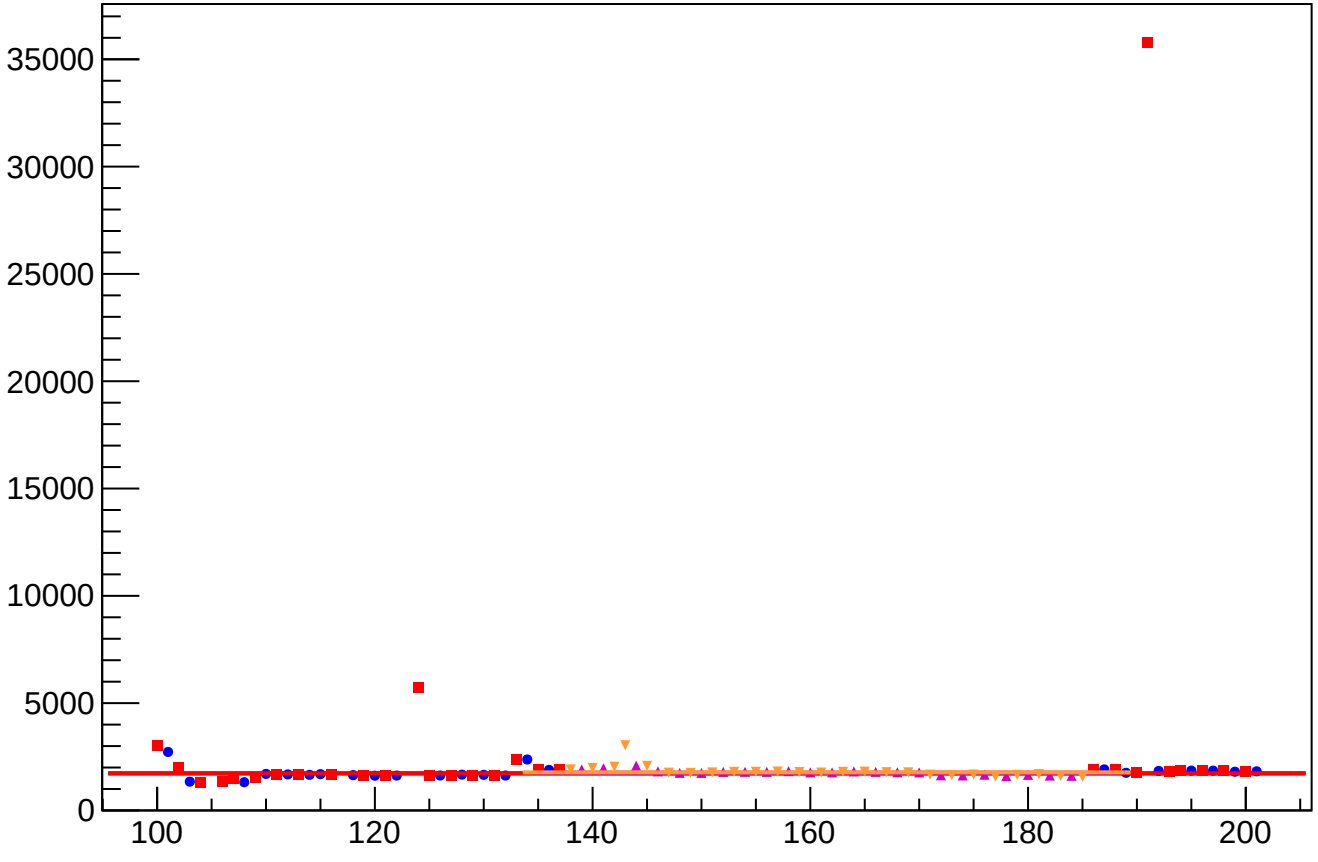
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1693.214+/-313.971 χ^2/NDF: 62.1/47

All: -392.836+/-221.601 χ^2/NDF: 181.8/98

- sign -2463.544+/-312.815 χ^2/NDF: 31.7/50

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: 1730.171+/-0.340 χ^2/NDF: 664798.6/27

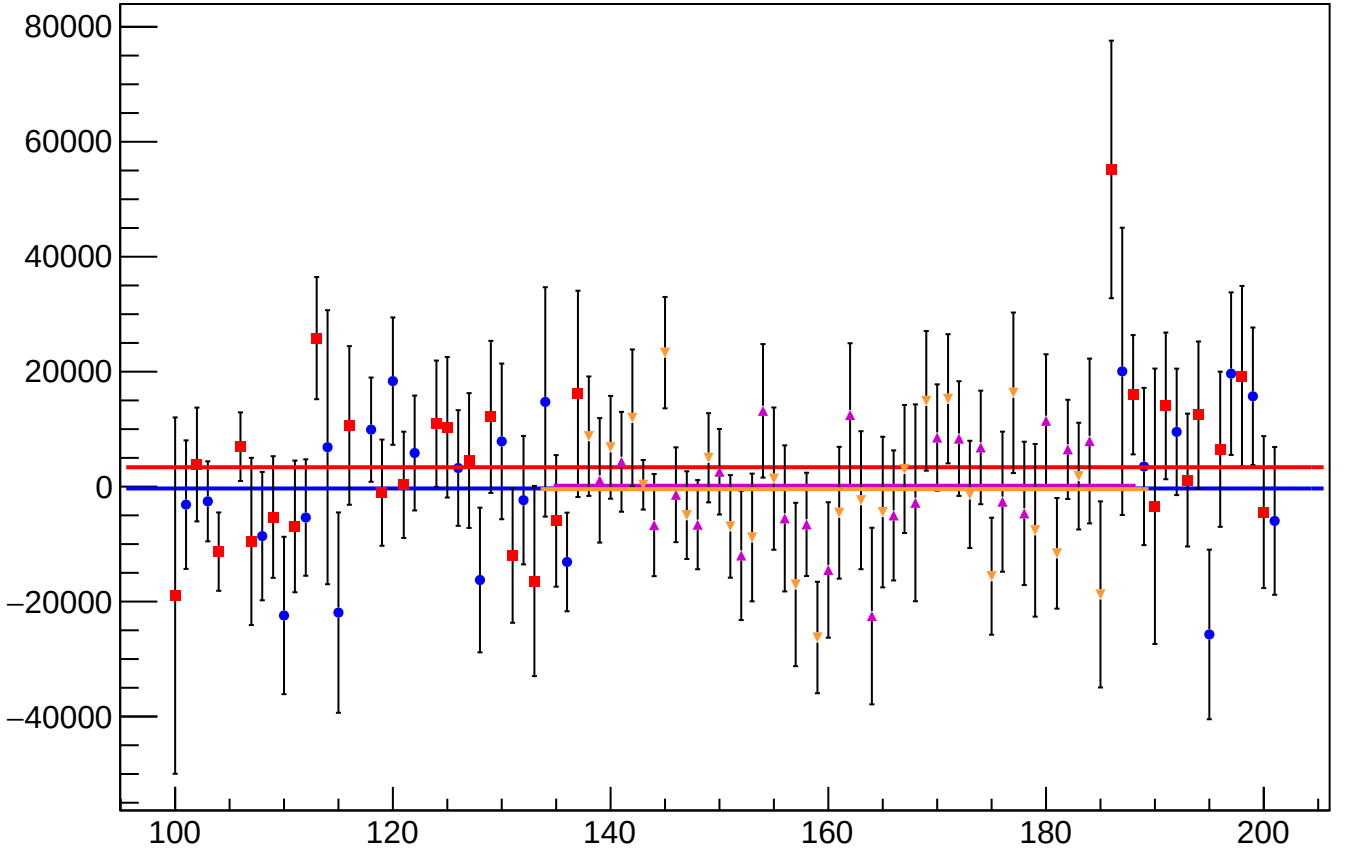
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1754.858+/-0.222 χ^2/NDF: 930477.7/47

All: 1751.410+/-0.157 χ^2/NDF: 1746794.1/98

- sign 1747.988+/-0.221 χ^2/NDF: 815835.9/50

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: 3373.660+/-2144.796 χ^2/NDF: 28.0/27

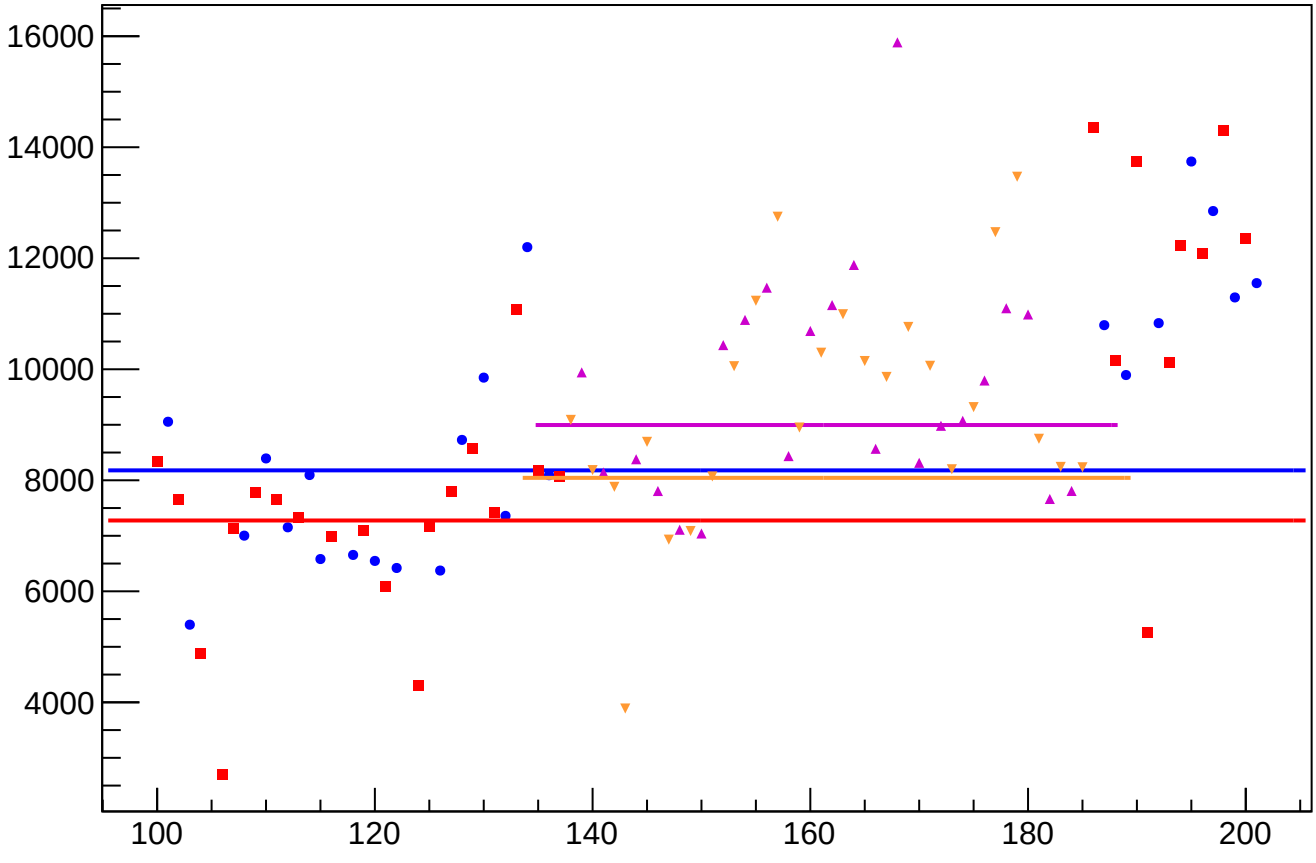
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -395.934+/-1506.930 χ^2/NDF: 52.6/47

All: 677.198+/-1068.801 χ^2/NDF: 96.5/98

- sign 1763.483+/-1516.137 χ^2/NDF: 43.0/50

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: 7275.840+/-1.517 χ^2/NDF: 3681646.1/27

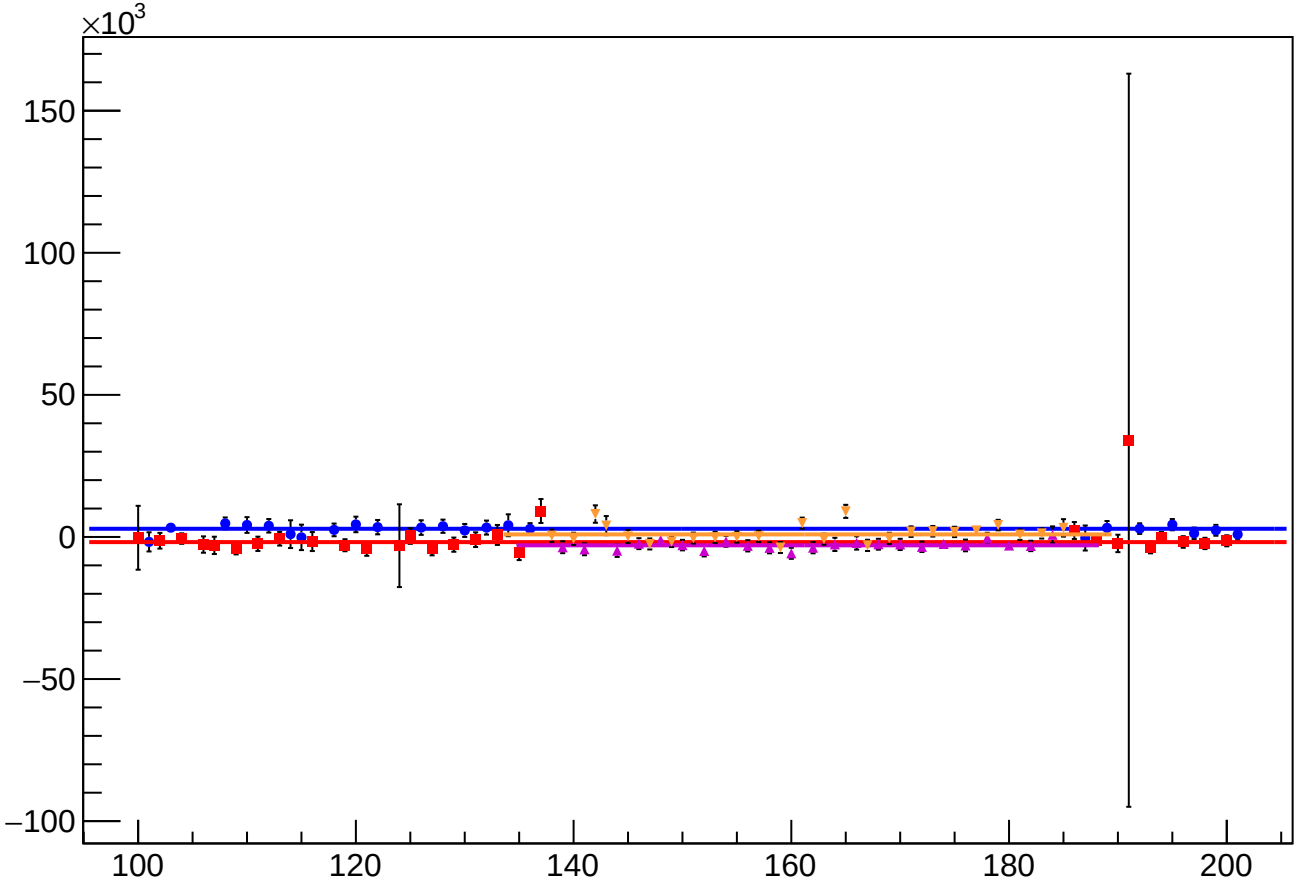
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8096.097+/-1.066 χ^2/NDF: 5055821.3/47

All: 8116.054+/-0.756 χ^2/NDF: 10588649.4/9

- sign 8136.255+/-1.072 χ^2/NDF: 5532122.3/50

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: -1810.978+/-480.560 χ^2/NDF: 18.0/27

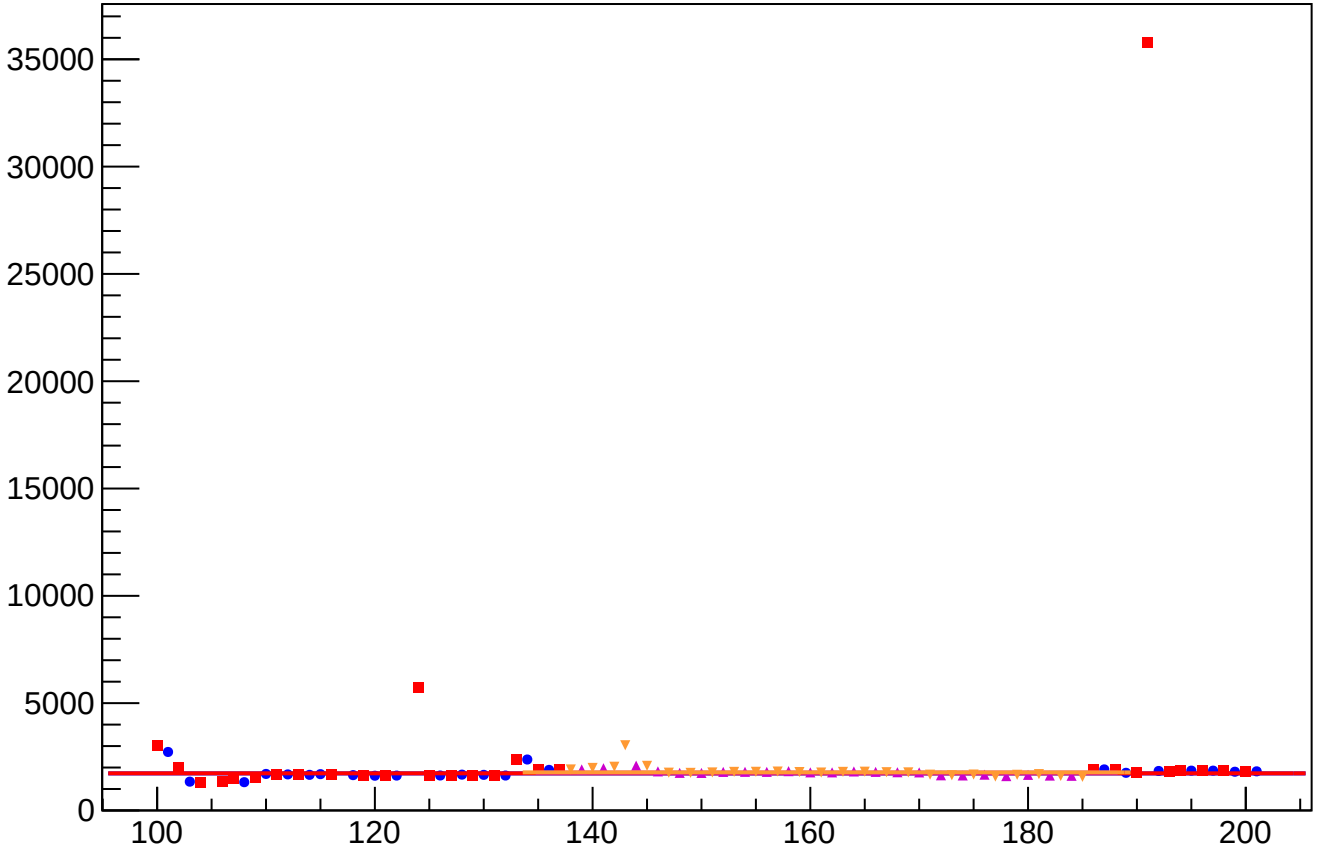
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1693.198+/-313.971 χ^2/NDF: 62.1/47

All: -392.791+/-221.601 χ^2/NDF: 181.8/98

- sign -2463.439+/-312.815 χ^2/NDF: 31.7/50

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: 1730.171+/-0.340 χ^2/NDF: 664798.9/27

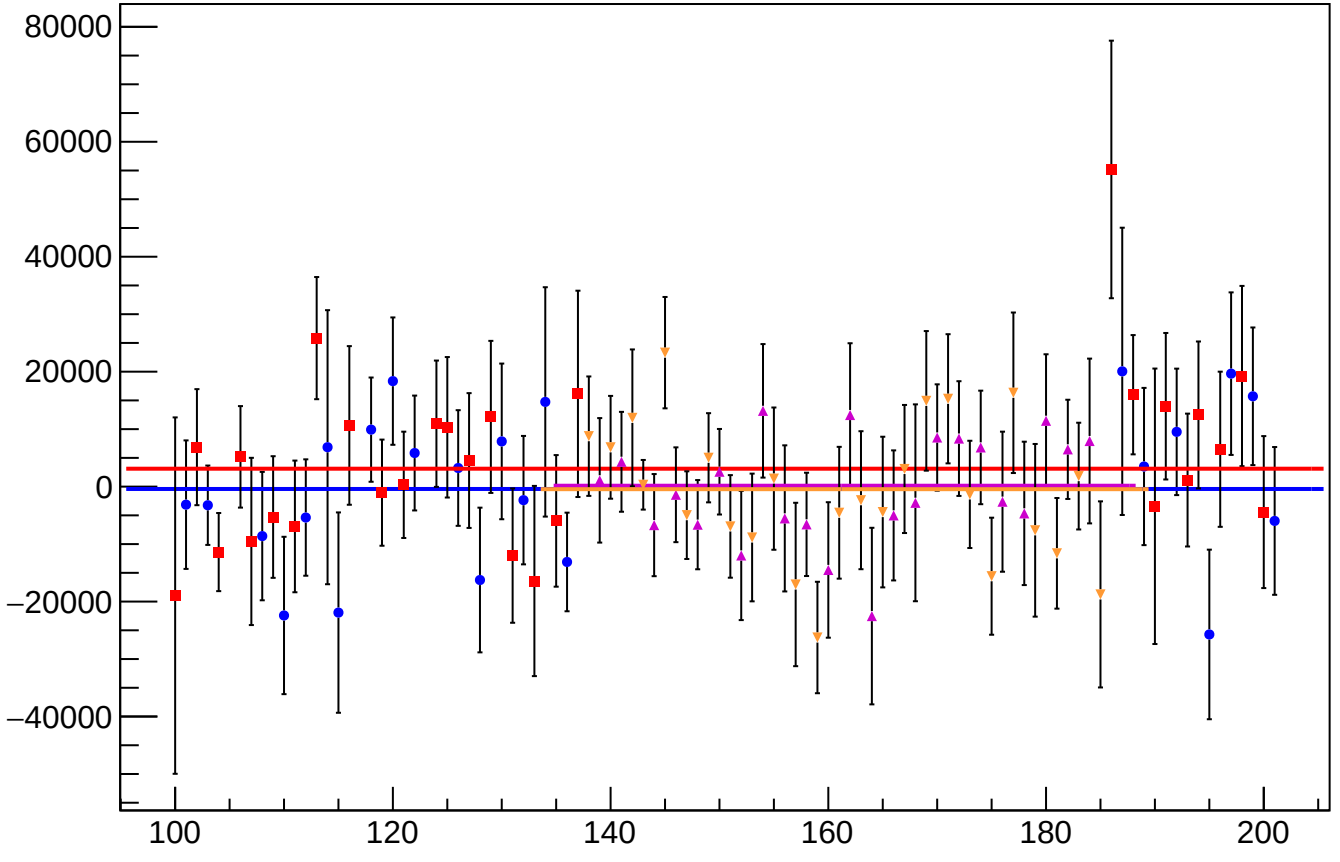
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1754.858+/-0.222 χ^2/NDF: 930478.1/47

All: 1751.410+/-0.157 χ^2/NDF: 1746794.8/98

- sign 1747.988+/-0.221 χ^2/NDF: 815836.1/50

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: 3117.613+/-2225.786 χ^2/NDF: 27.9/27

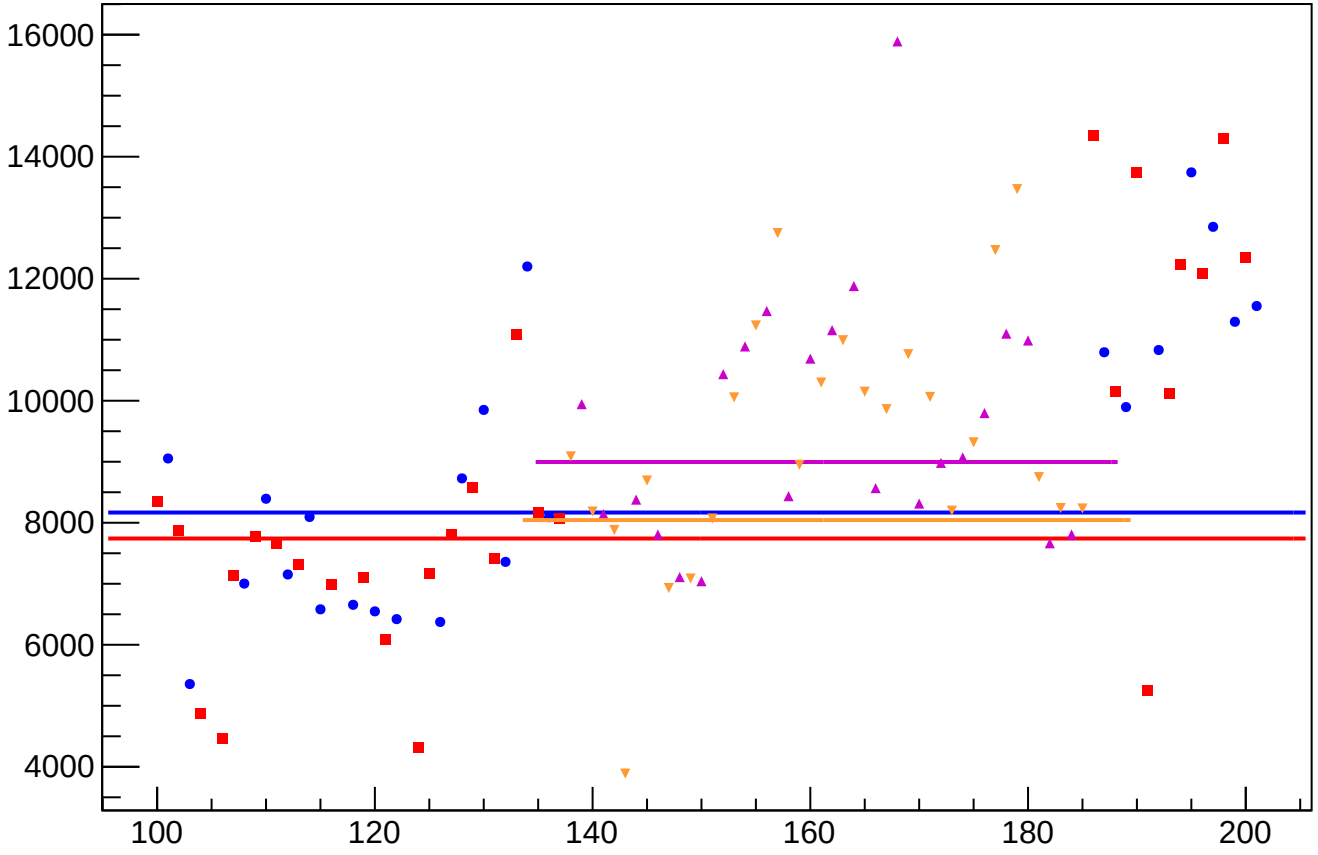
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -430.047+/-1506.320 χ^2/NDF: 52.7/47

All: 550.499+/-1078.187 χ^2/NDF: 96.1/98

- sign 1580.647+/-1543.949 χ^2/NDF: 42.6/50

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

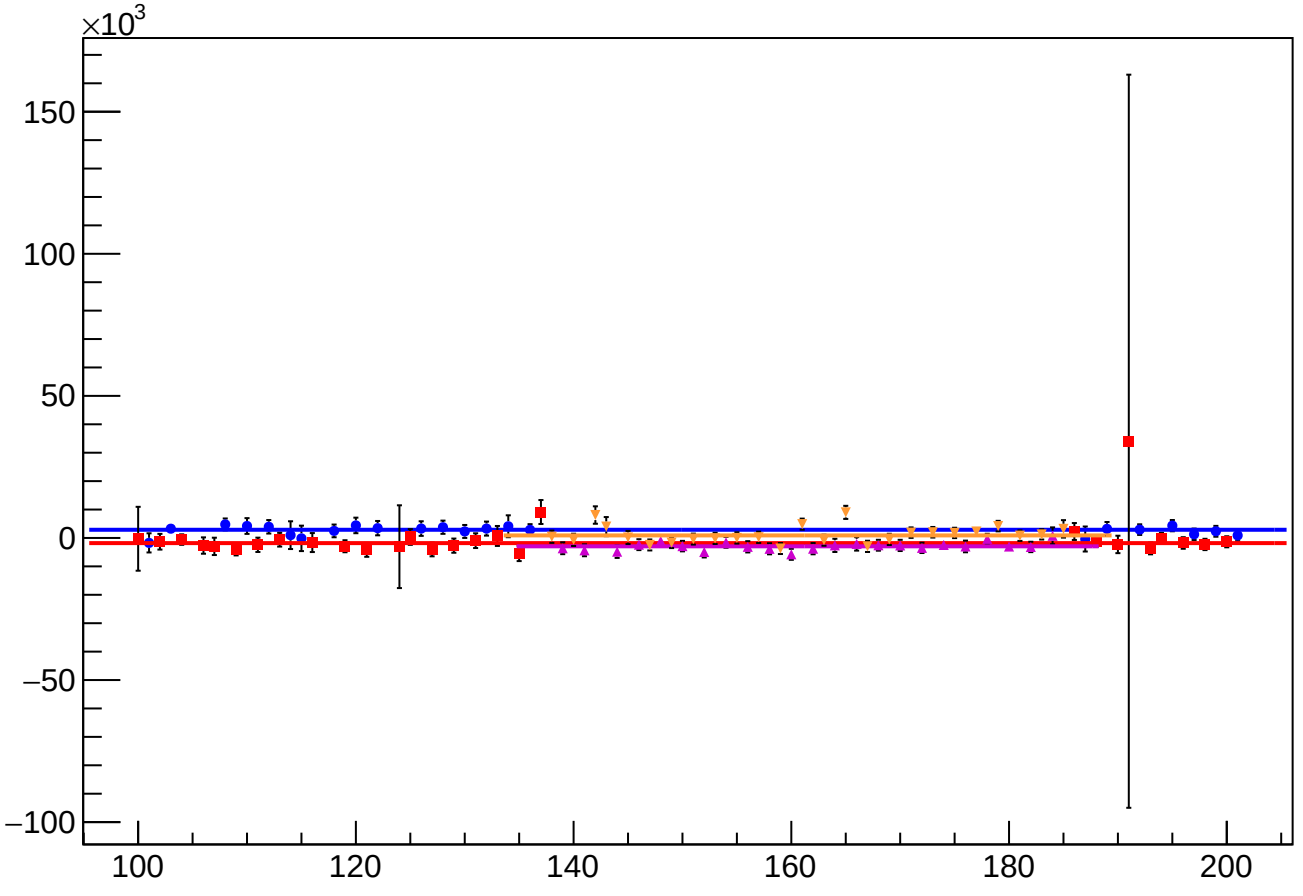
Right Out: 7741.572+/-1.574 χ^2/NDF: 2627159.7/27

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8091.887+/-1.065 χ^2/NDF: 5070671.6/47

All: 8238.342+/-0.762 χ^2/NDF: 9273132.3/98

- sign 8392.205+/-1.092 χ^2/NDF: 4163691.9/50



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: -1810.978+/-480.560 χ^2/NDF: 18.0/27

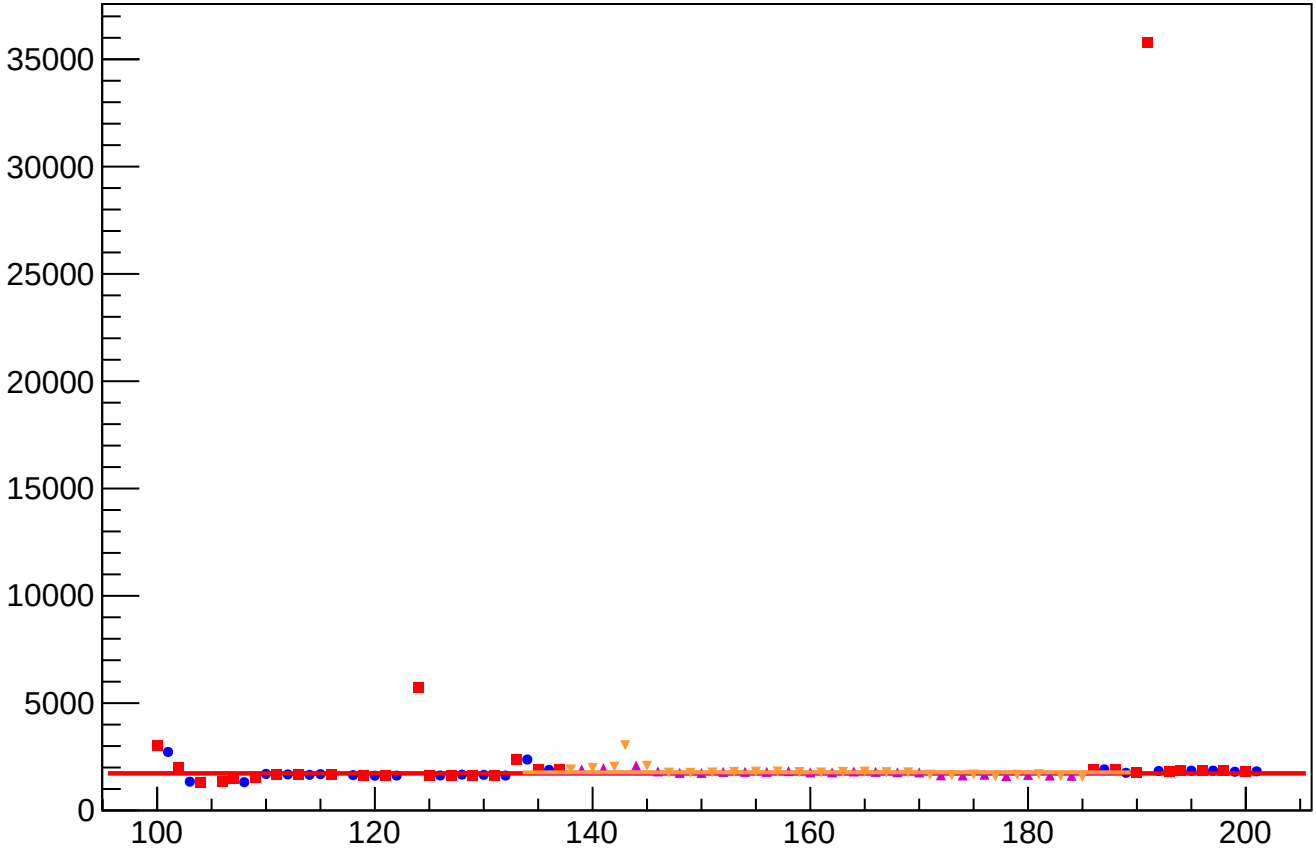
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1693.198+/-313.971 χ^2/NDF: 62.1/47

All: -392.791+/-221.601 χ^2/NDF: 181.8/98

- sign -2463.439+/-312.815 χ^2/NDF: 31.7/50

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: 1730.171+/-0.340 χ^2/NDF: 664798.9/27

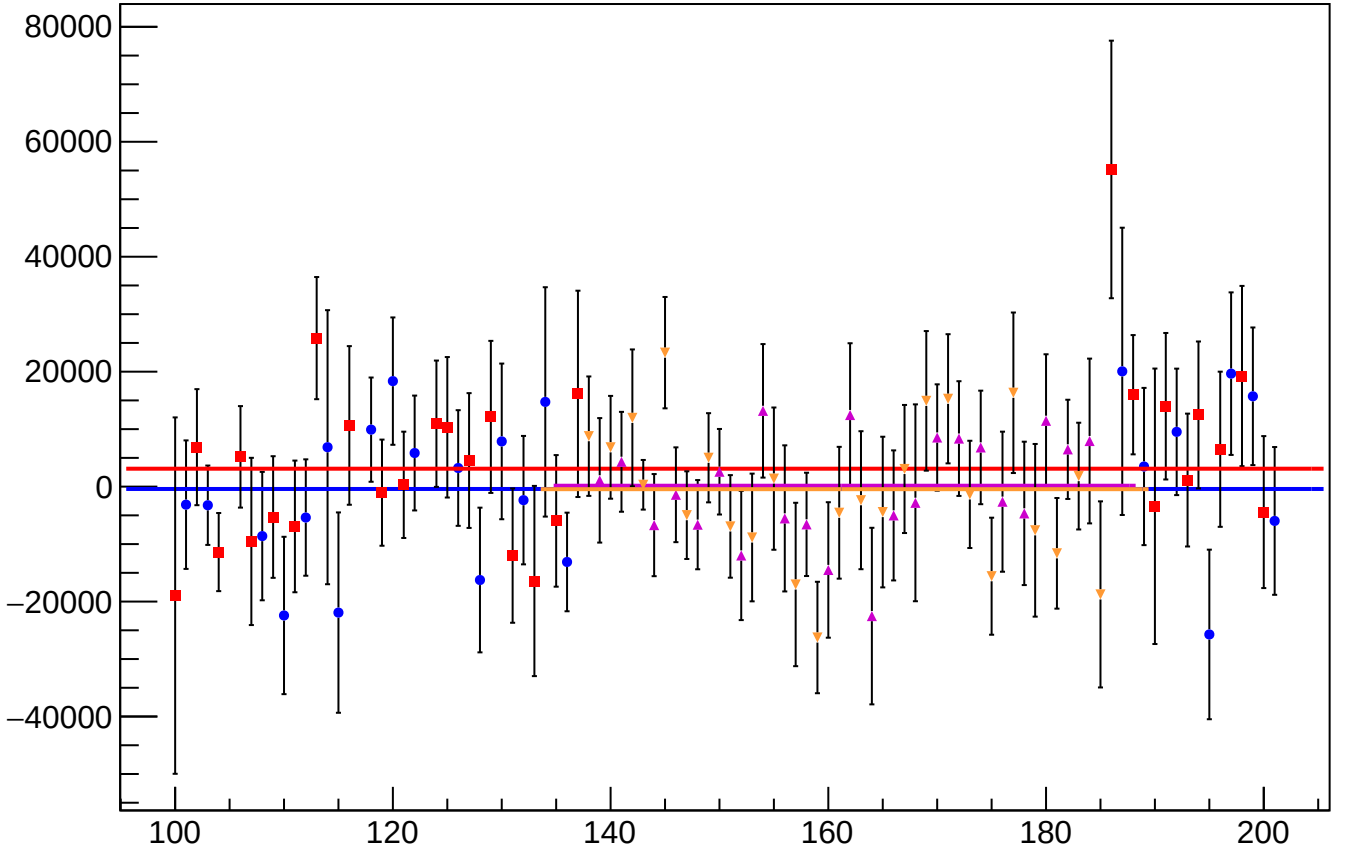
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1754.858+/-0.222 χ^2/NDF: 930478.1/47

All: 1751.410+/-0.157 χ^2/NDF: 1746794.8/98

- sign 1747.988+/-0.221 χ^2/NDF: 815836.1/50

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: 3117.613+/-2225.786 χ^2/NDF: 27.9/27

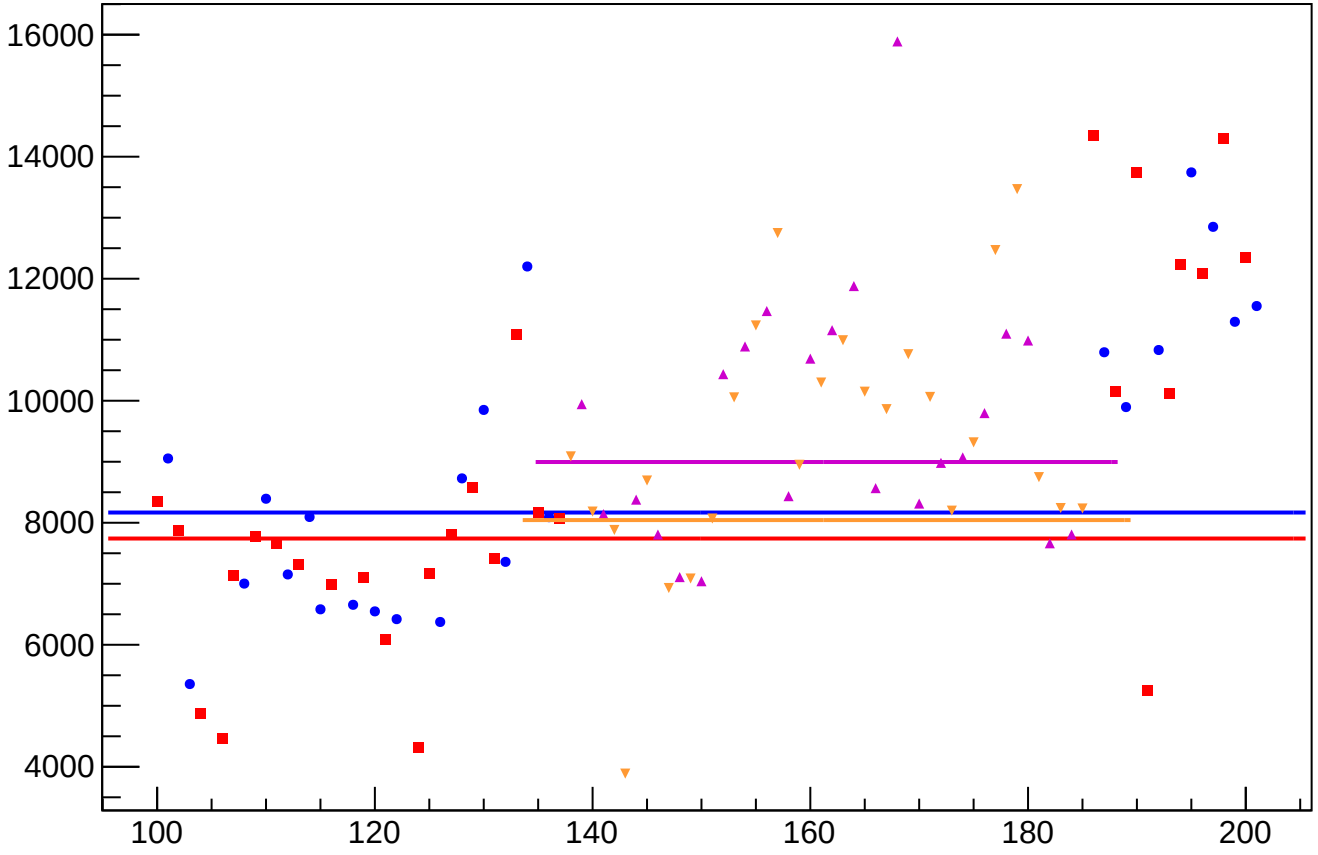
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -430.047+/-1506.320 χ^2/NDF: 52.7/47

All: 550.499+/-1078.187 χ^2/NDF: 96.1/98

- sign 1580.647+/-1543.949 χ^2/NDF: 42.6/50

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: 7741.572+/-1.574 χ^2/NDF: 2627159.7/27

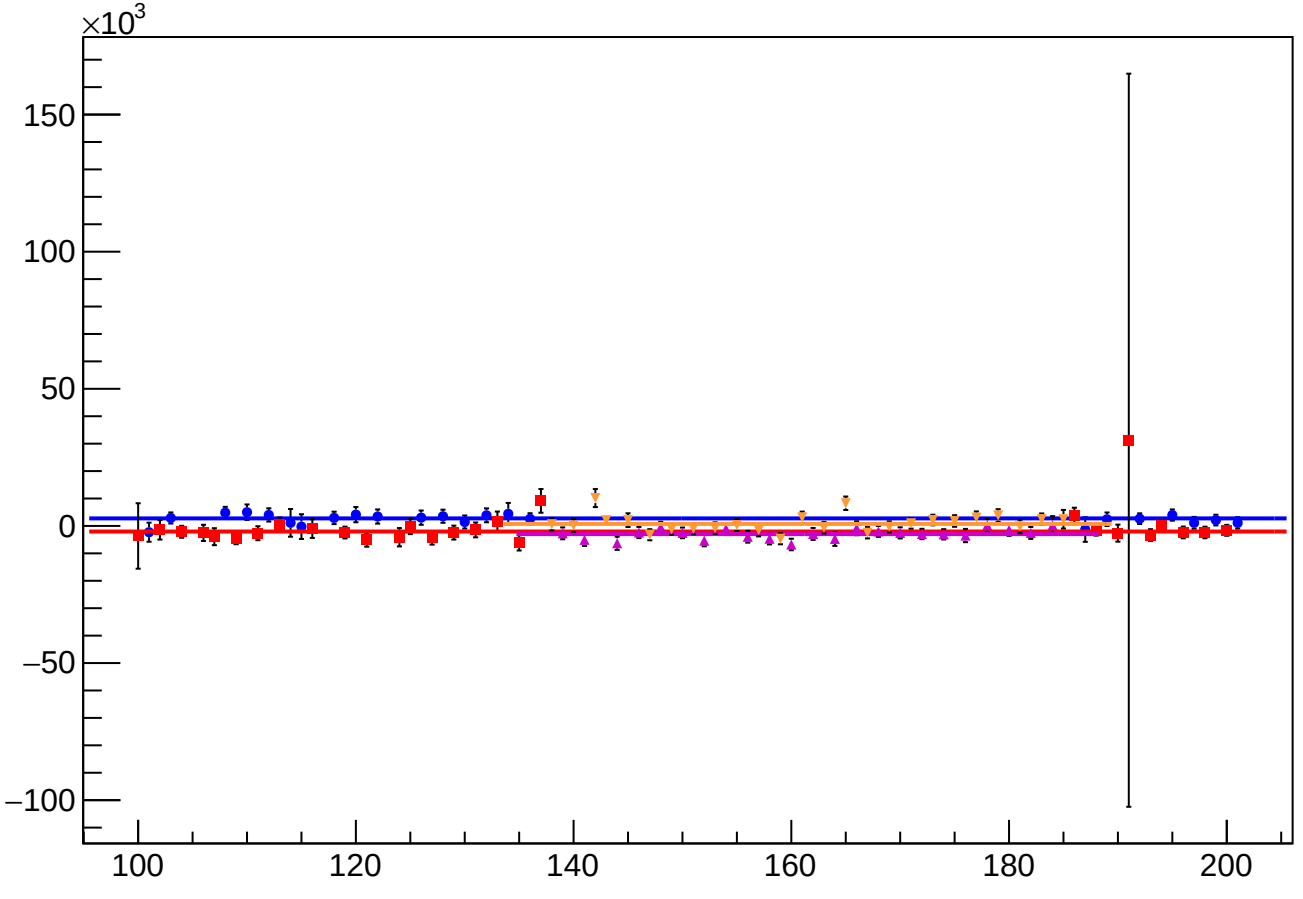
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8091.887+/-1.065 χ^2/NDF: 5070671.6/47

All: 8238.342+/-0.762 χ^2/NDF: 9273132.3/98

- sign 8392.205+/-1.092 χ^2/NDF: 4163691.9/50

dit_asym_at2_avg_mean vs Slug



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: -2039.319+/-494.572 χ^2/NDF: 21.7/27

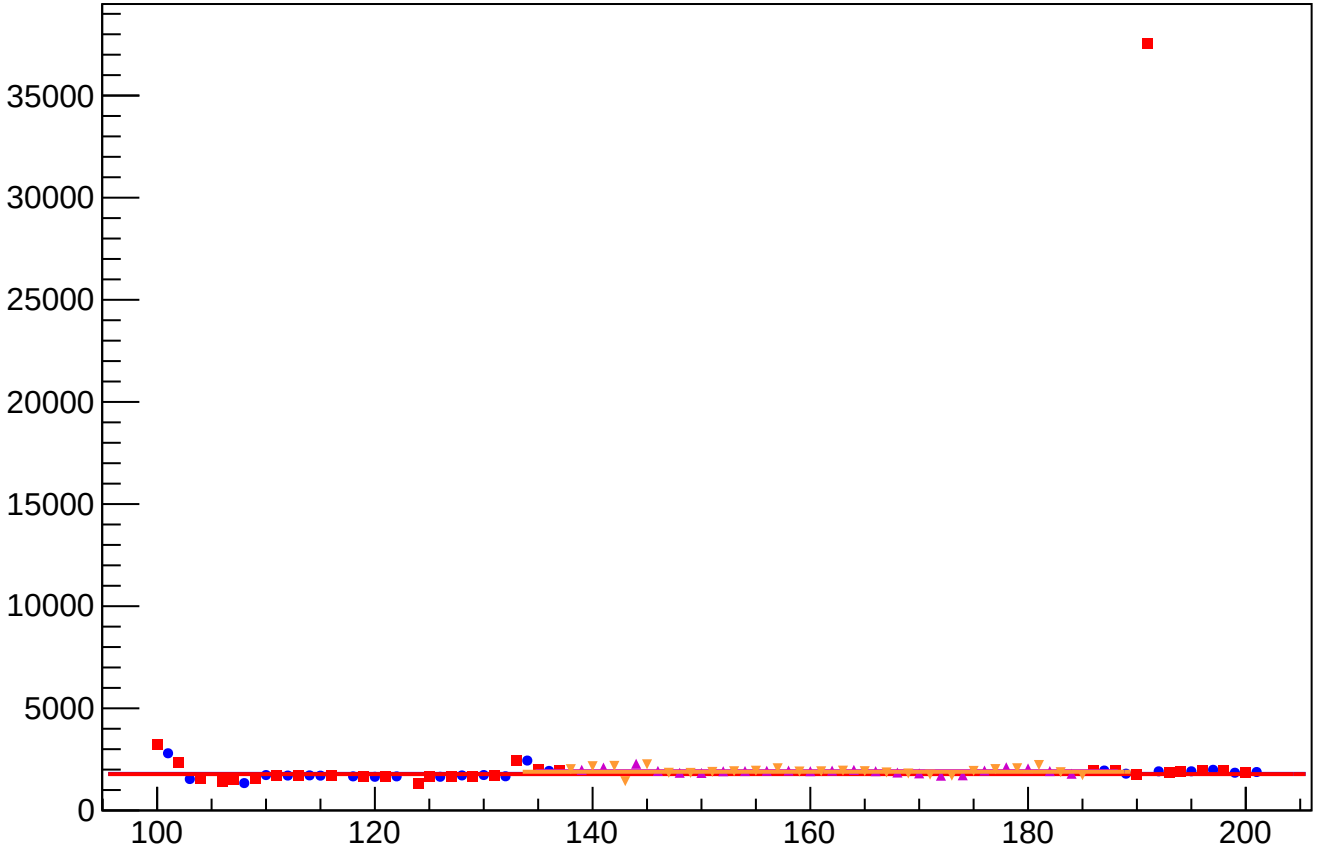
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1571.890+/-331.239 χ^2/NDF: 58.6/47

All: -479.847+/-234.834 χ^2/NDF: 175.0/98

- sign -2553.179+/-332.978 χ^2/NDF: 39.3/50

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: 1778.923+/-0.350 χ^2/NDF: 529599.9/27

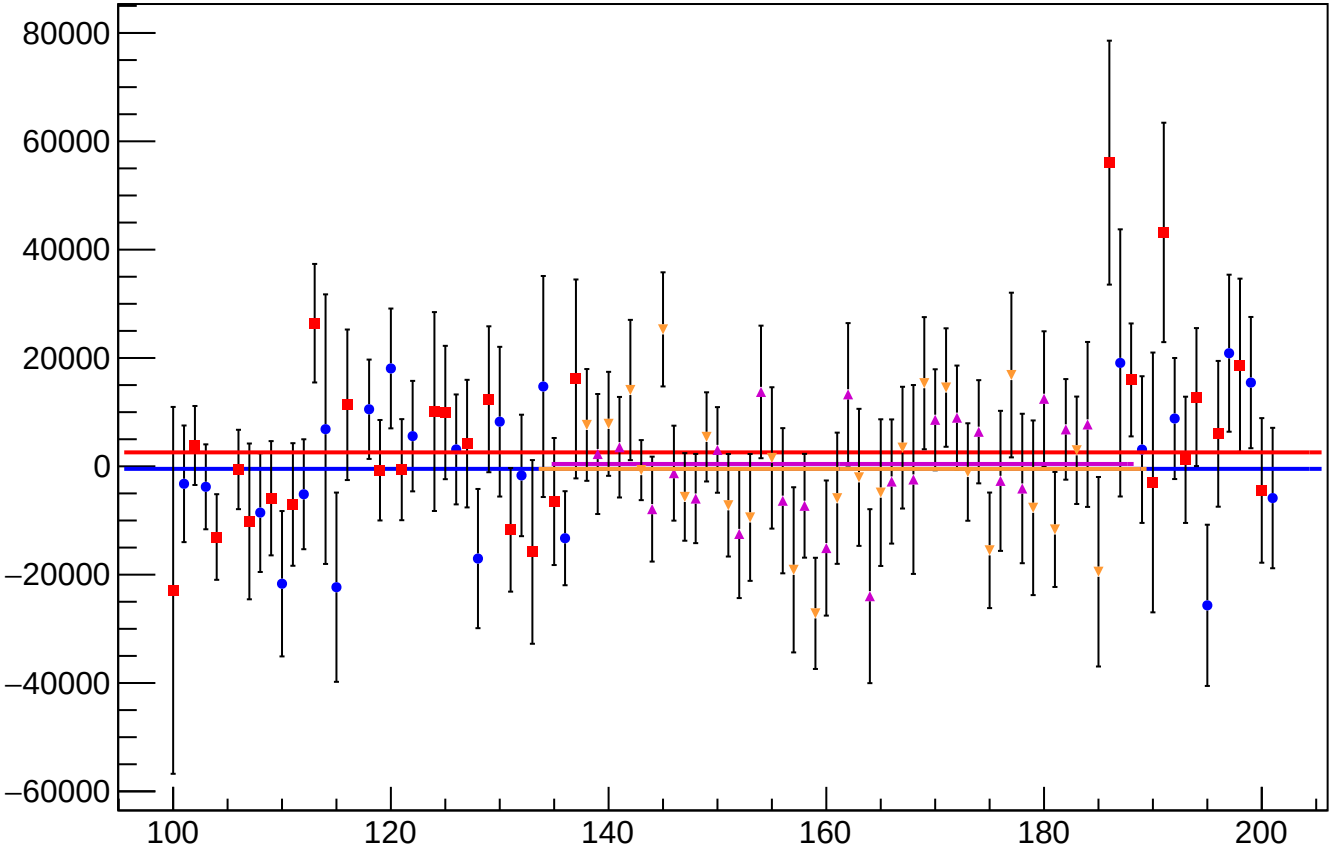
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1851.336+/-0.234 χ^2/NDF: 843113.4/47

All: 1854.500+/-0.166 χ^2/NDF: 1616923.6/98

- sign 1857.697+/-0.235 χ^2/NDF: 773443.2/50

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: 2575.749+/-2234.857 χ^2/NDF: 30.6/27

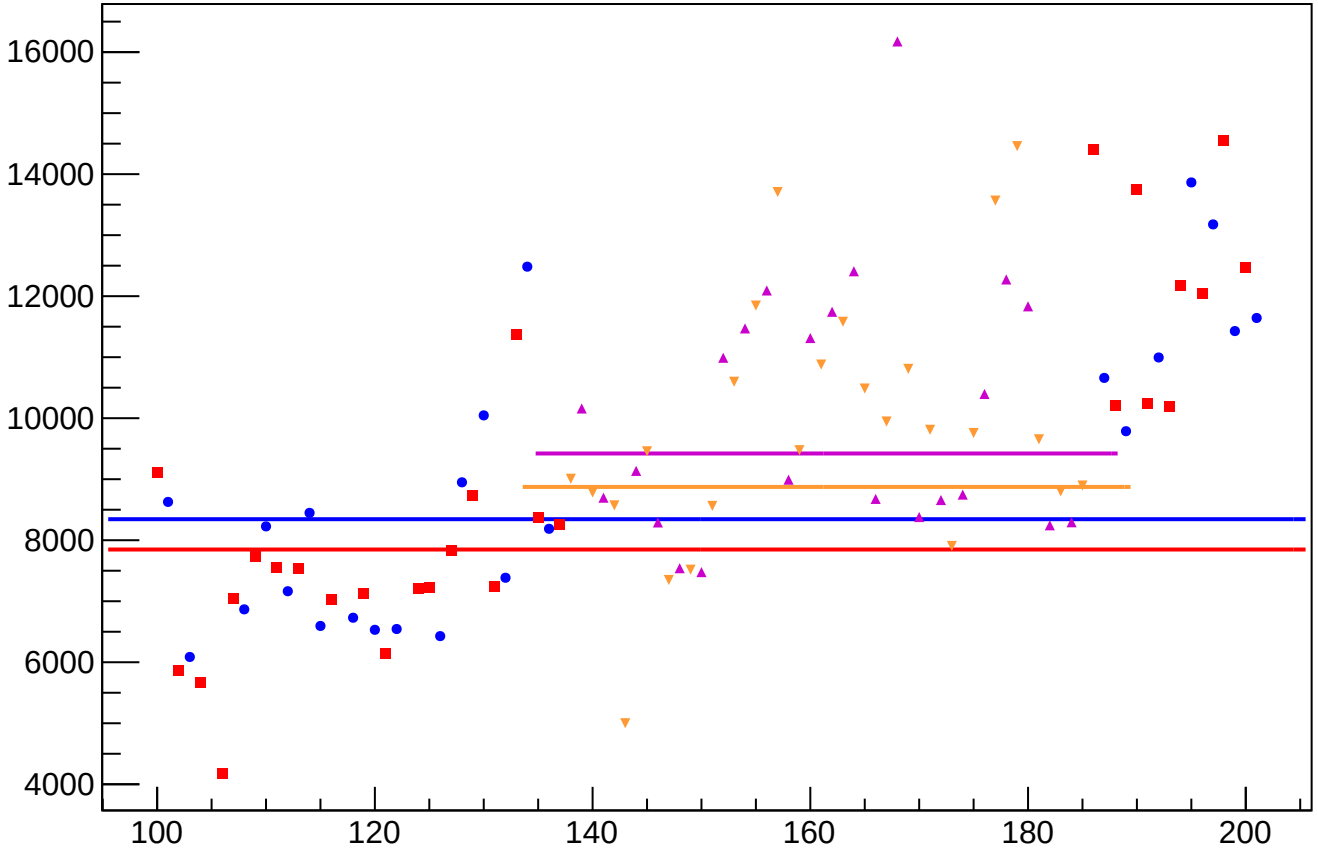
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -474.653+/-1593.229 χ^2/NDF: 51.8/47

All: 524.073+/-1123.277 χ^2/NDF: 97.2/98

- sign 1511.161+/-1583.920 χ^2/NDF: 44.6/50

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: 7847.777+/-1.580 χ^2/NDF: 2533939.4/27

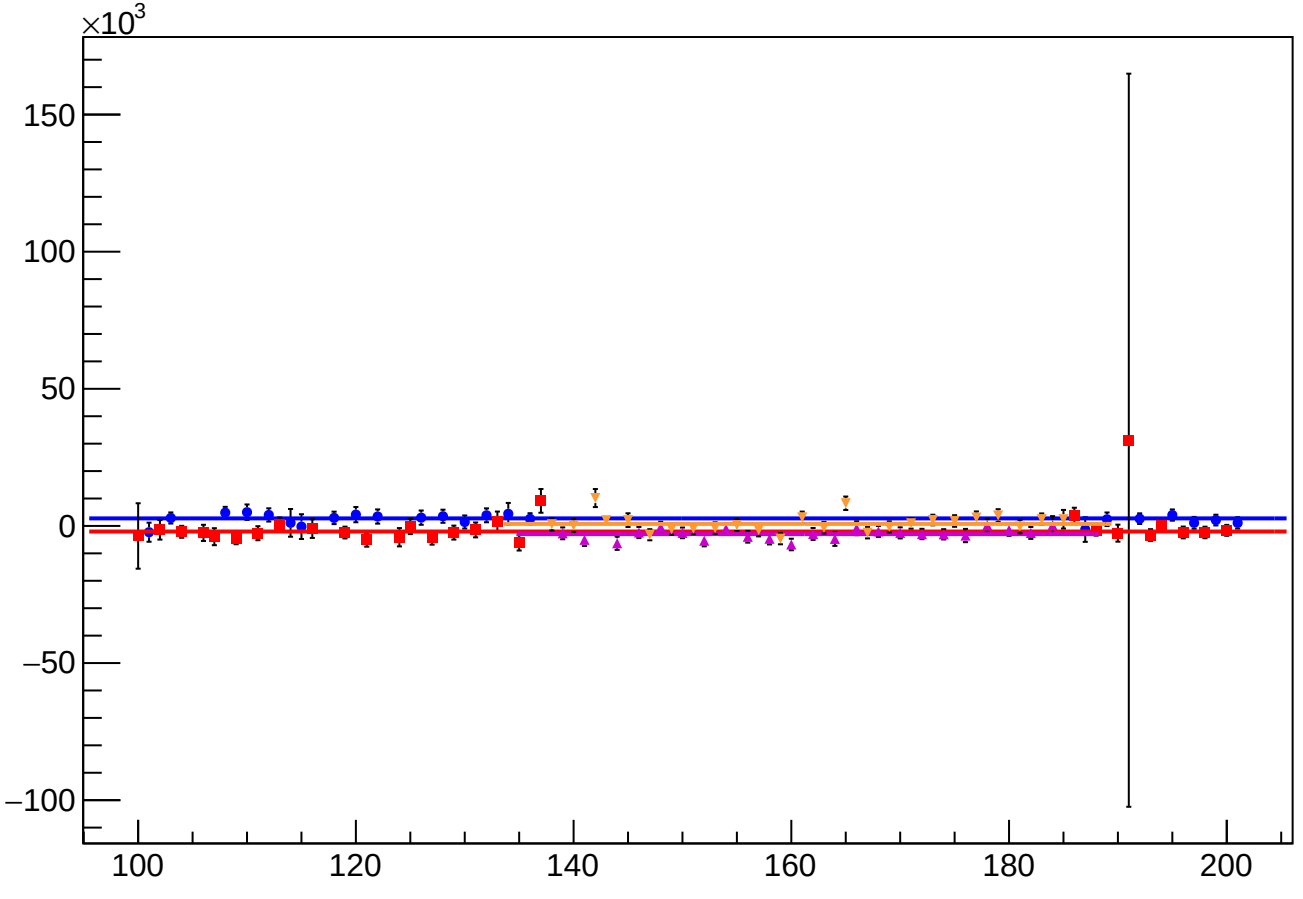
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

\+ sign 8652.281+/-1.127 χ^2/NDF: 3799007.7/47

All: 8641.636+/-0.794 χ^2/NDF: 8031675.3/98

\- sign 8631.116+/-1.120 χ^2/NDF: 4232490.1/50

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: -2039.323+/-494.572 χ^2/NDF: 21.7/27

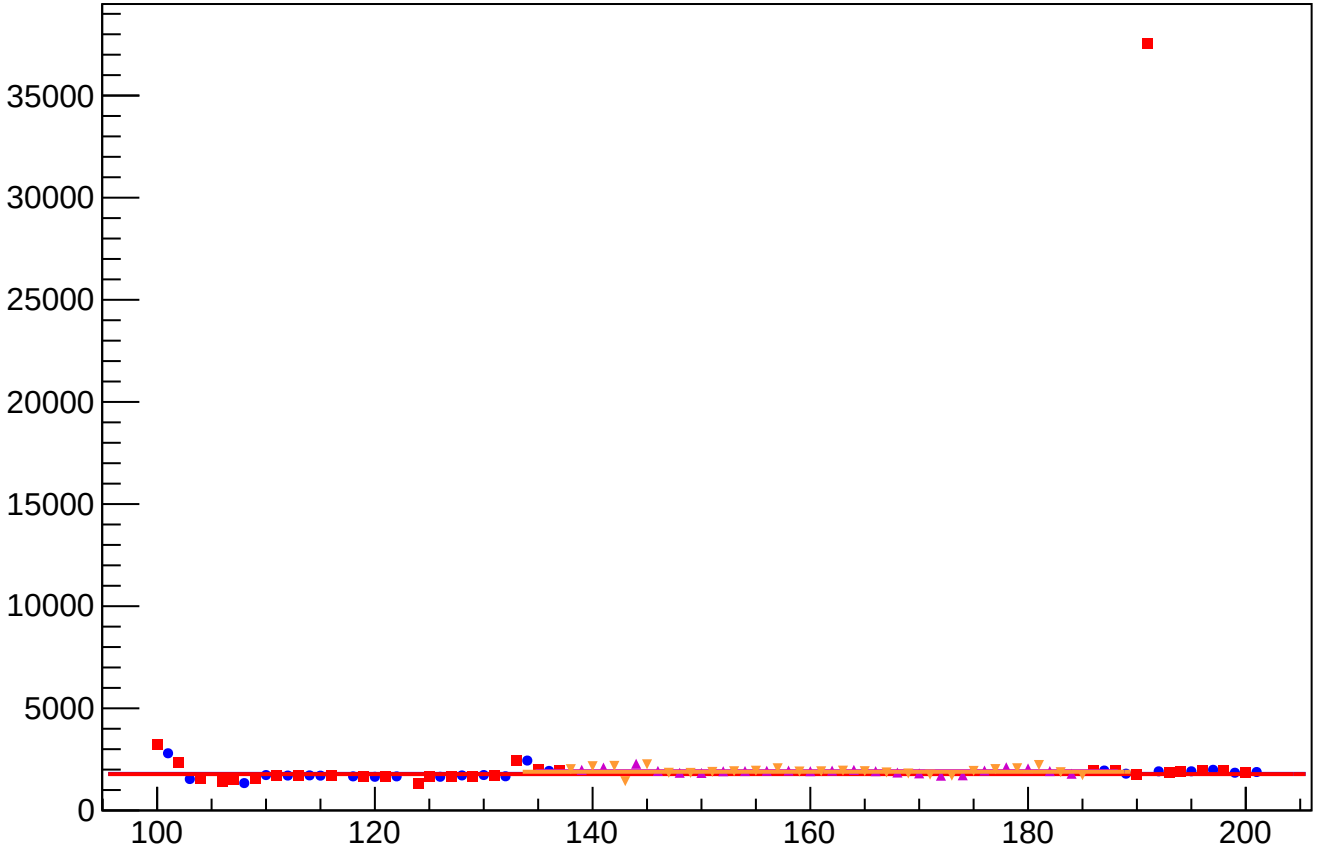
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1571.886+/-331.240 χ^2/NDF: 58.6/47

All: -479.850+/-234.834 χ^2/NDF: 175.0/98

- sign -2553.181+/-332.978 χ^2/NDF: 39.3/50

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: 1778.923+/-0.350 χ^2/NDF: 529601.2/27

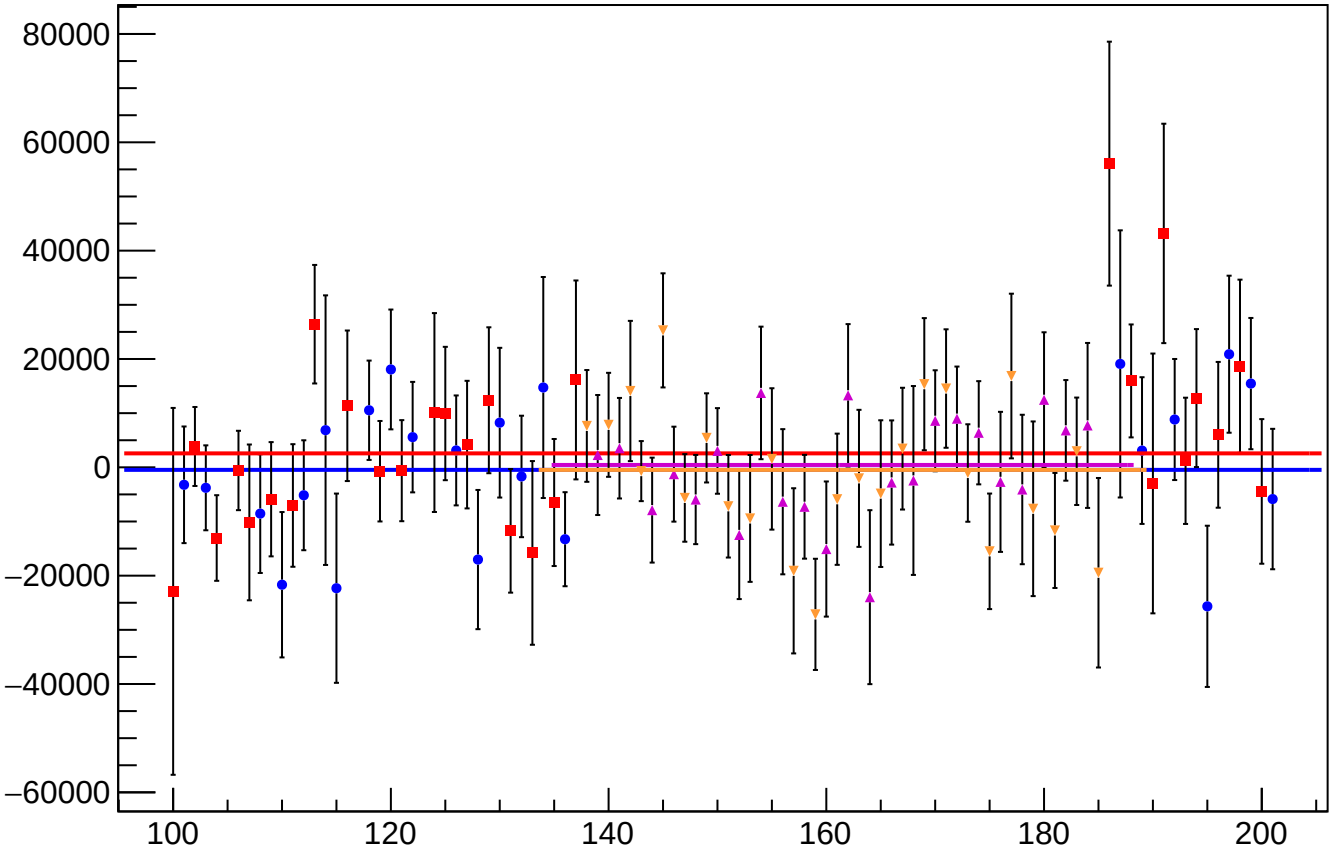
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1851.337+/-0.234 χ^2/NDF: 843124.6/47

All: 1854.502+/-0.166 χ^2/NDF: 1616947.7/98

- sign 1857.699+/-0.235 χ^2/NDF: 773456.1/50

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: 2575.734+/-2234.854 χ^2/NDF: 30.6/27

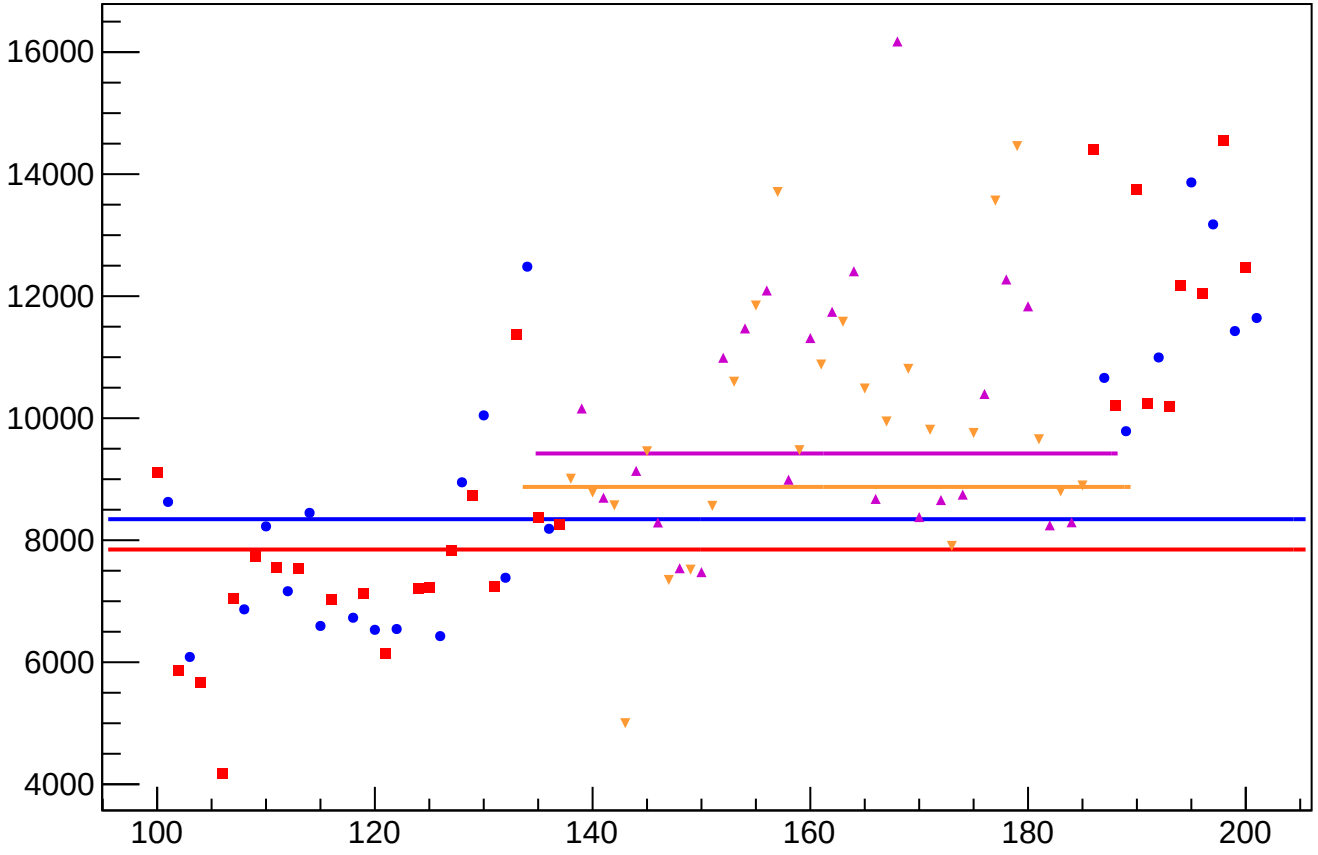
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -474.652+/-1593.230 χ^2/NDF: 51.8/47

All: 524.072+/-1123.277 χ^2/NDF: 97.2/98

- sign 1511.159+/-1583.920 χ^2/NDF: 44.6/50

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: 7847.764+/-1.580 χ^2/NDF: 2533953.9/27

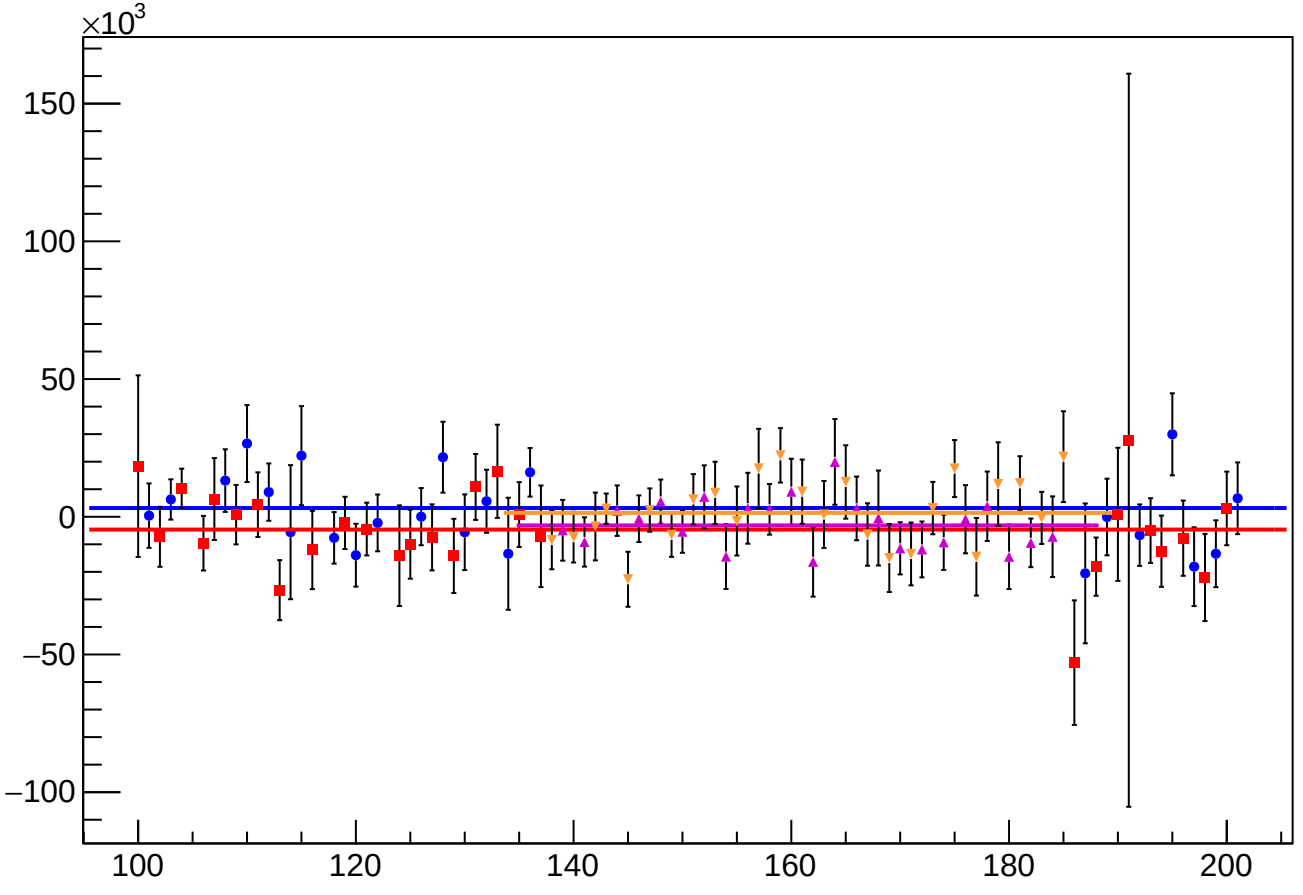
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8652.282+/-1.127 χ^2/NDF: 3799033.5/47

All: 8641.636+/-0.794 χ^2/NDF: 8031737.0/98

- sign 8631.114+/-1.120 χ^2/NDF: 4232526.0/50

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: -4650.056+/-2366.966 χ^2/NDF: 23.8/27

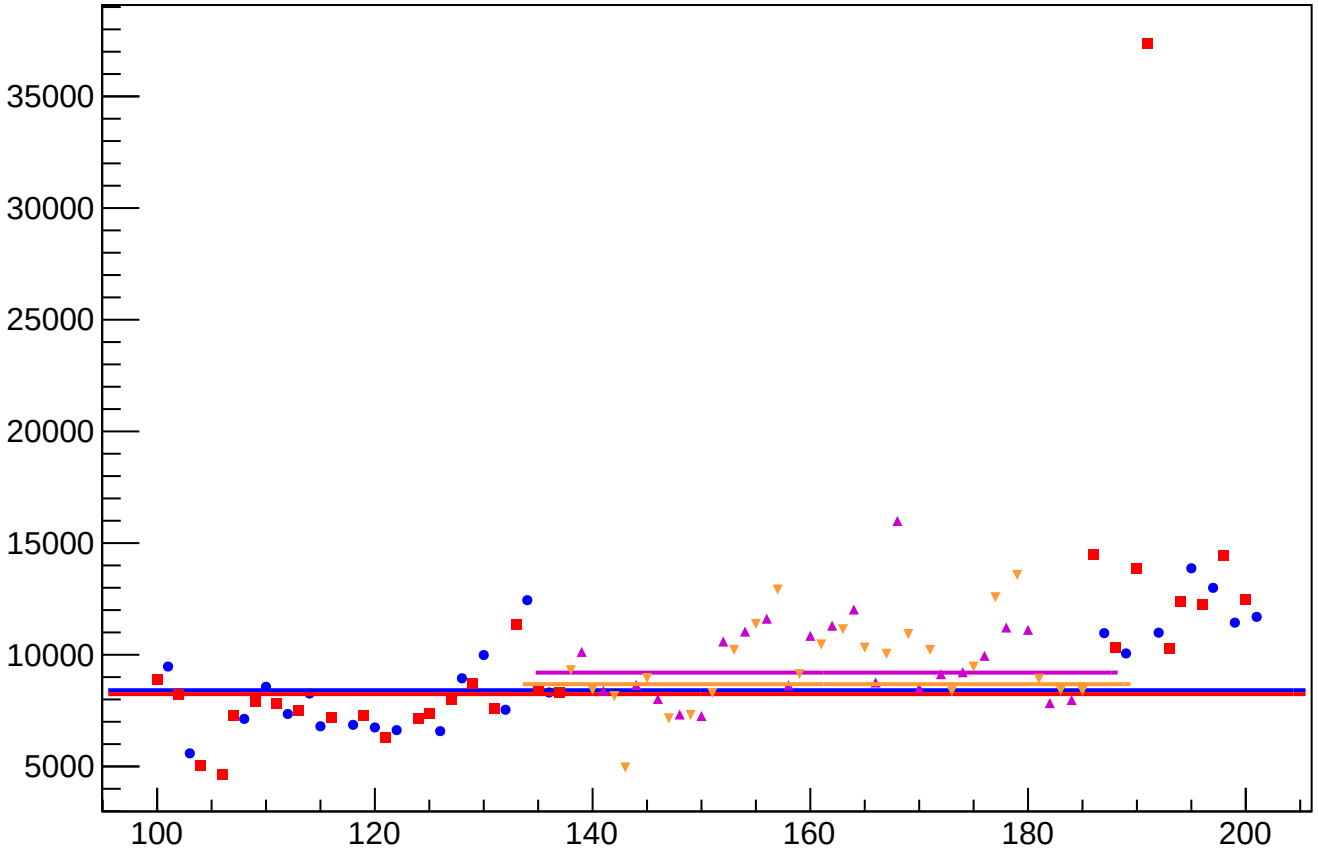
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2118.230+/-1576.941 χ^2/NDF: 51.5/47

All: -802.111+/-1125.638 χ^2/NDF: 95.5/98

- sign -3835.894+/-1607.278 χ^2/NDF: 37.0/50

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: 8237.128+/-1.674 χ^2/NDF: 2280281.9/27

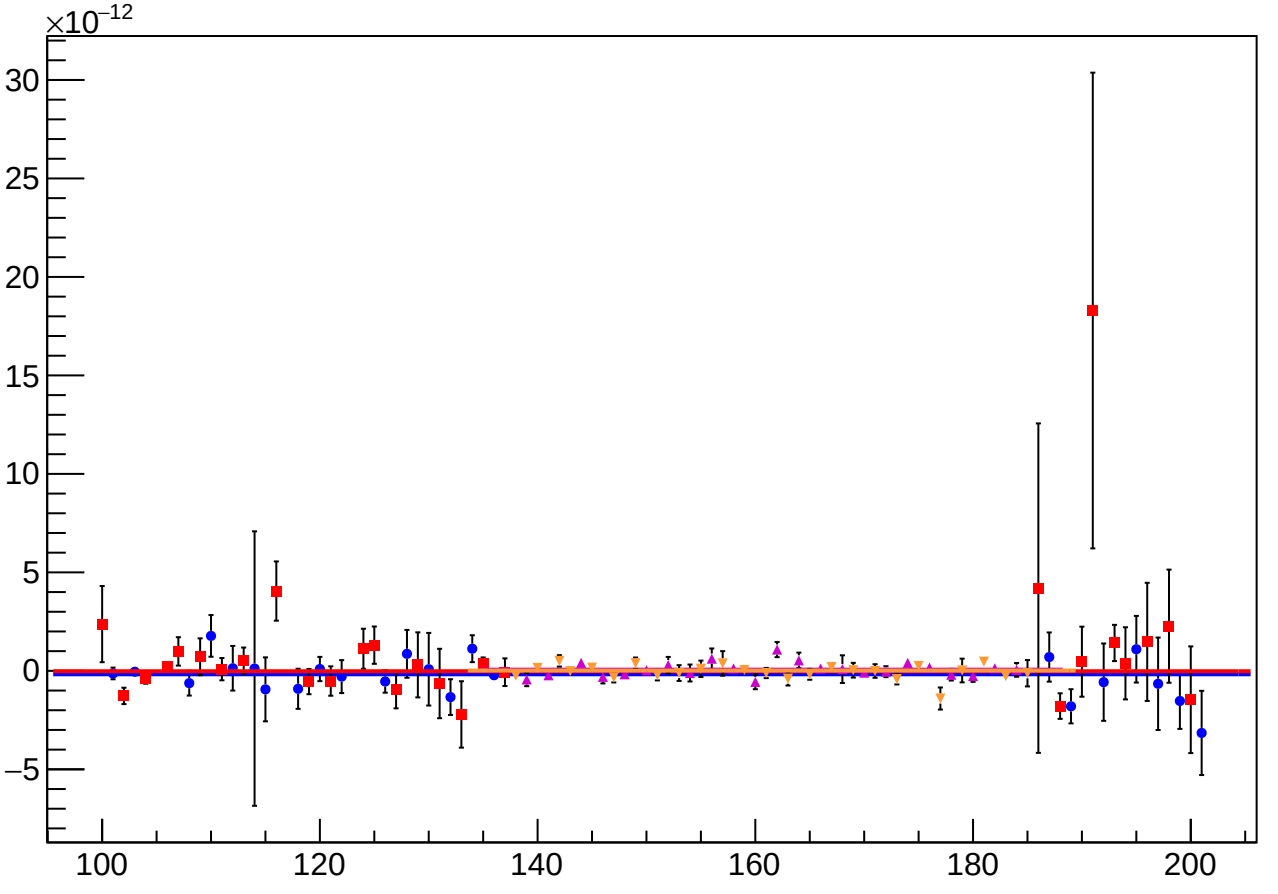
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8574.861+/-1.115 χ^2/NDF: 3665214.1/47

All: 8663.911+/-0.796 χ^2/NDF: 7266584.2/98

- sign 8756.415+/-1.136 χ^2/NDF: 3588367.1/50

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: 46.5/27

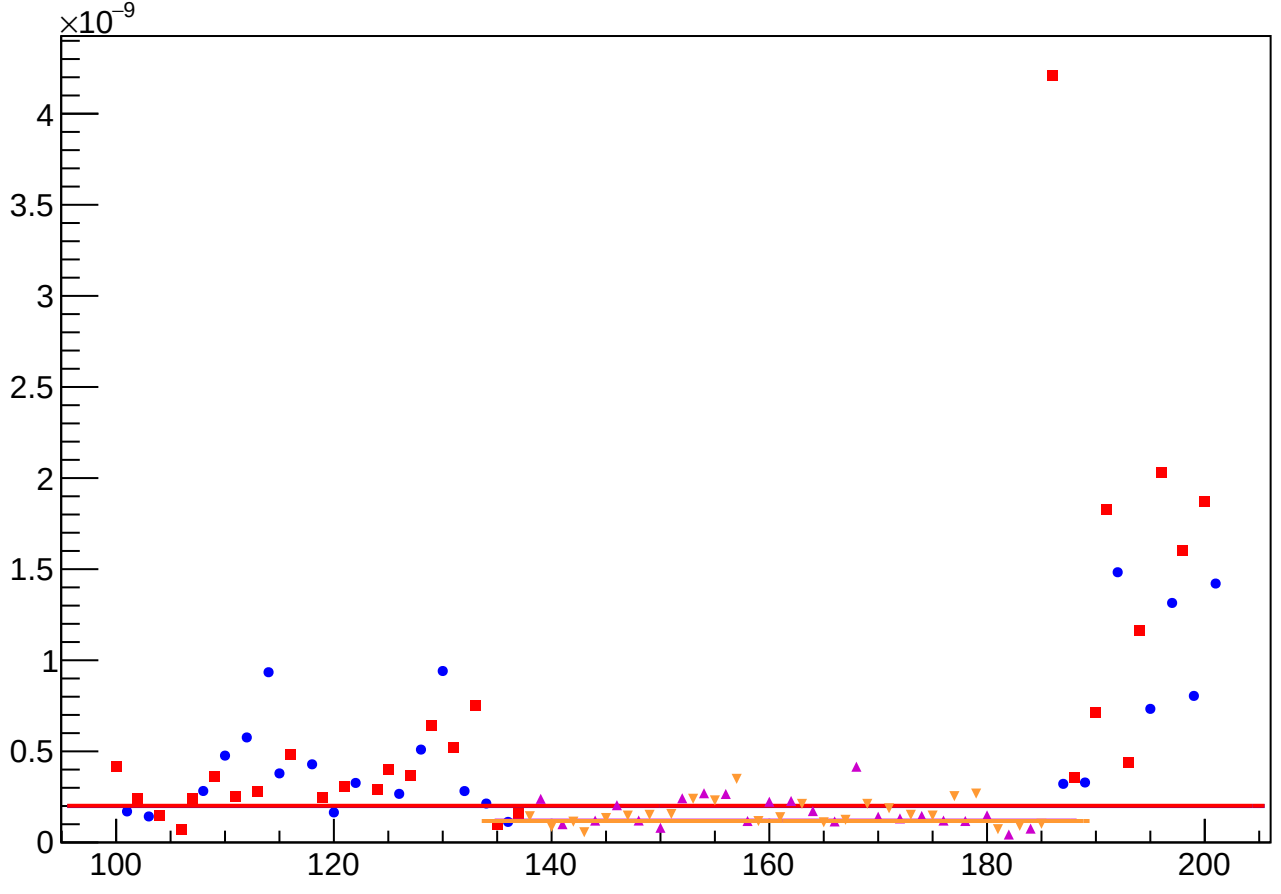
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.3/47

All: 0.000+/-0.000 χ^2/NDF: 125.8/98

- sign 0.000+/-0.000 χ^2/NDF: 74.7/50

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: 5180381.7/27

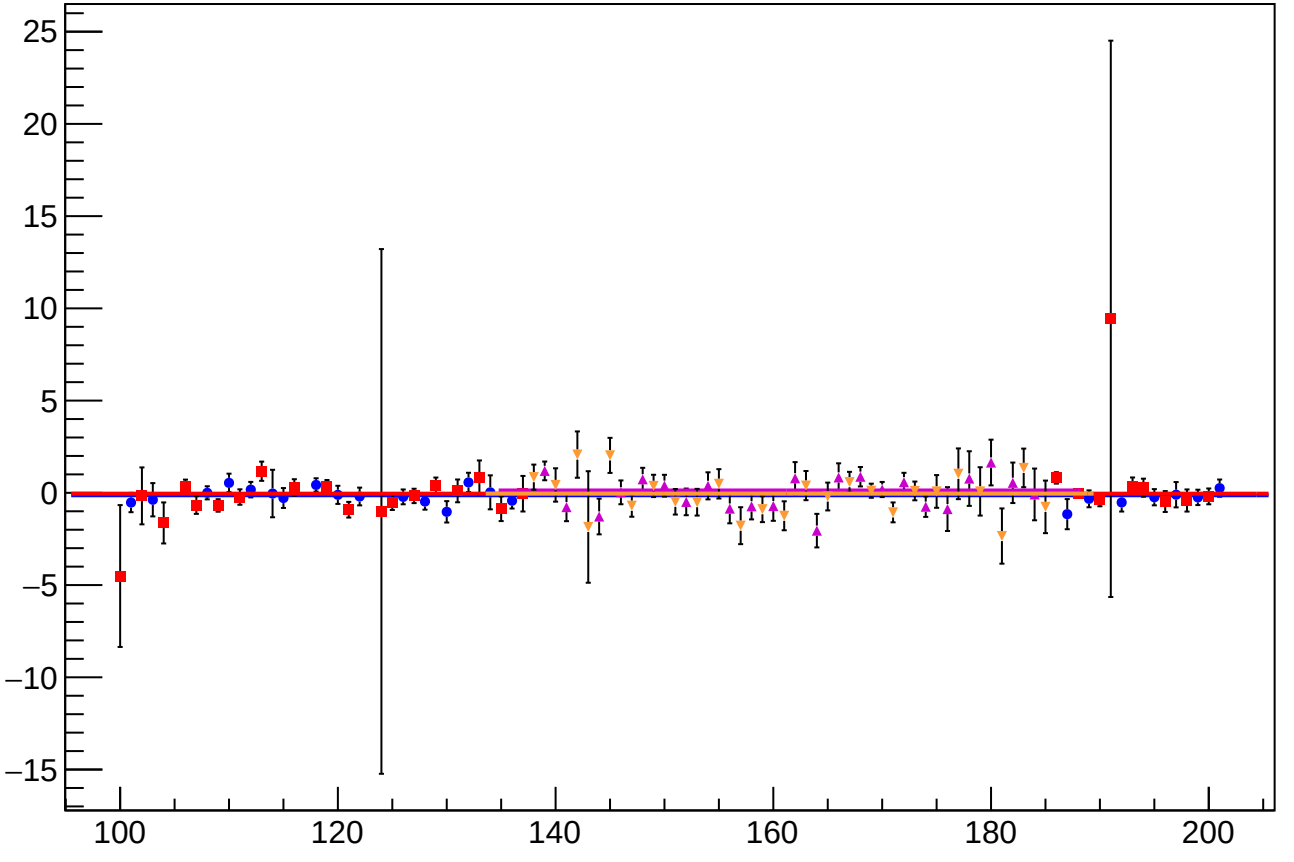
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7356814.1/47

All: 0.000+/-0.000 χ^2/NDF: 15988114.0/98

- sign 0.000+/-0.000 χ^2/NDF: 8627159.5/50

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: -0.045+/-0.084 χ^2/NDF: 37.1/27

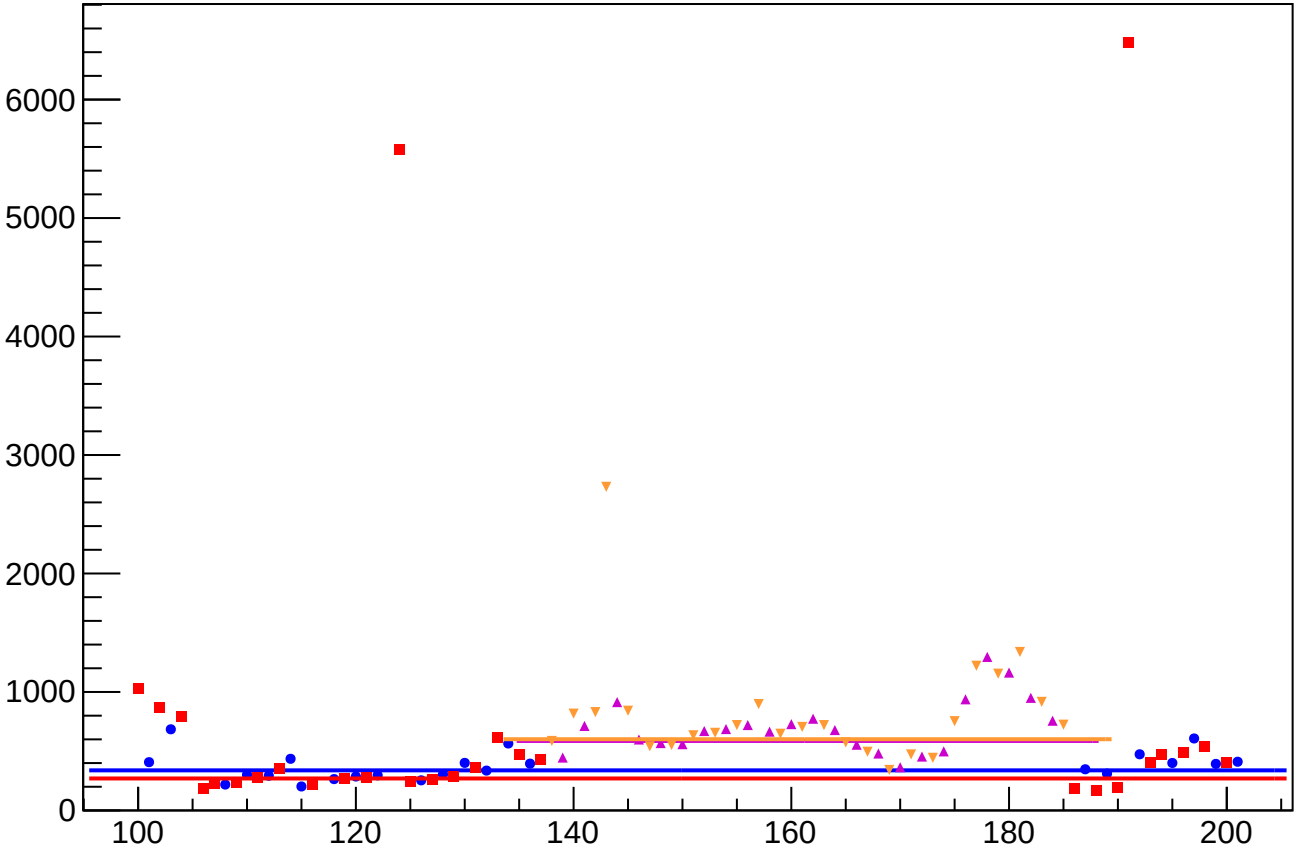
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.102+/-0.084 χ^2/NDF: 44.5/47

All: -0.045+/-0.055 χ^2/NDF: 112.5/98

- sign -0.002+/-0.073 χ^2/NDF: 67.2/50

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: 269.949+/-0.059 χ^2/NDF: 4516672.5/27

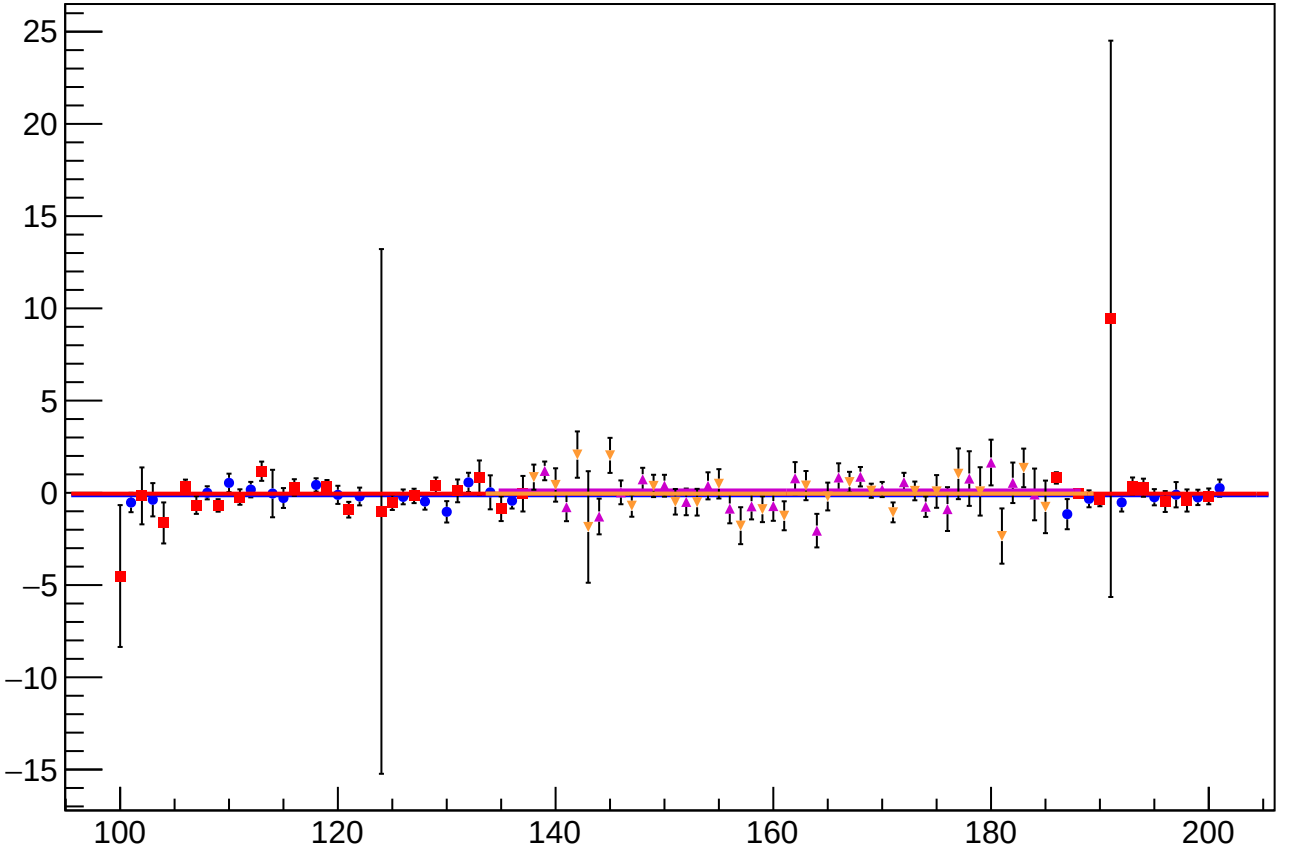
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 423.942+/-0.059 χ^2/NDF: 10460623.1/47

All: 381.081+/-0.039 χ^2/NDF: 25961530.7/98

- sign 349.160+/-0.051 χ^2/NDF: 14595038.0/50

asym_at2_avg_dit_vs_eigen_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: -0.045+/-0.084 χ^2/NDF: 37.1/27

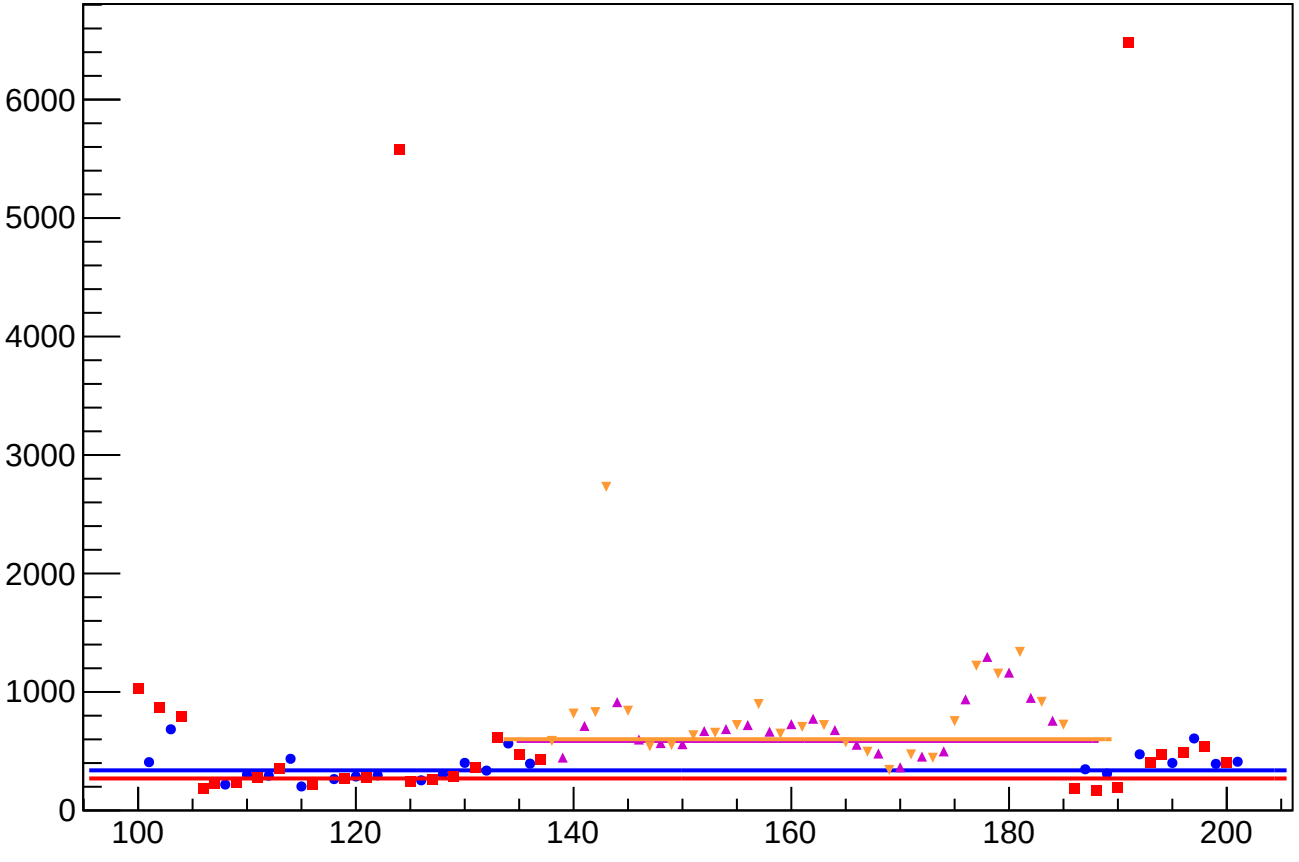
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.102+/-0.084 χ^2/NDF: 44.5/47

All: -0.045+/-0.055 χ^2/NDF: 112.5/98

- sign -0.002+/-0.073 χ^2/NDF: 67.2/50

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

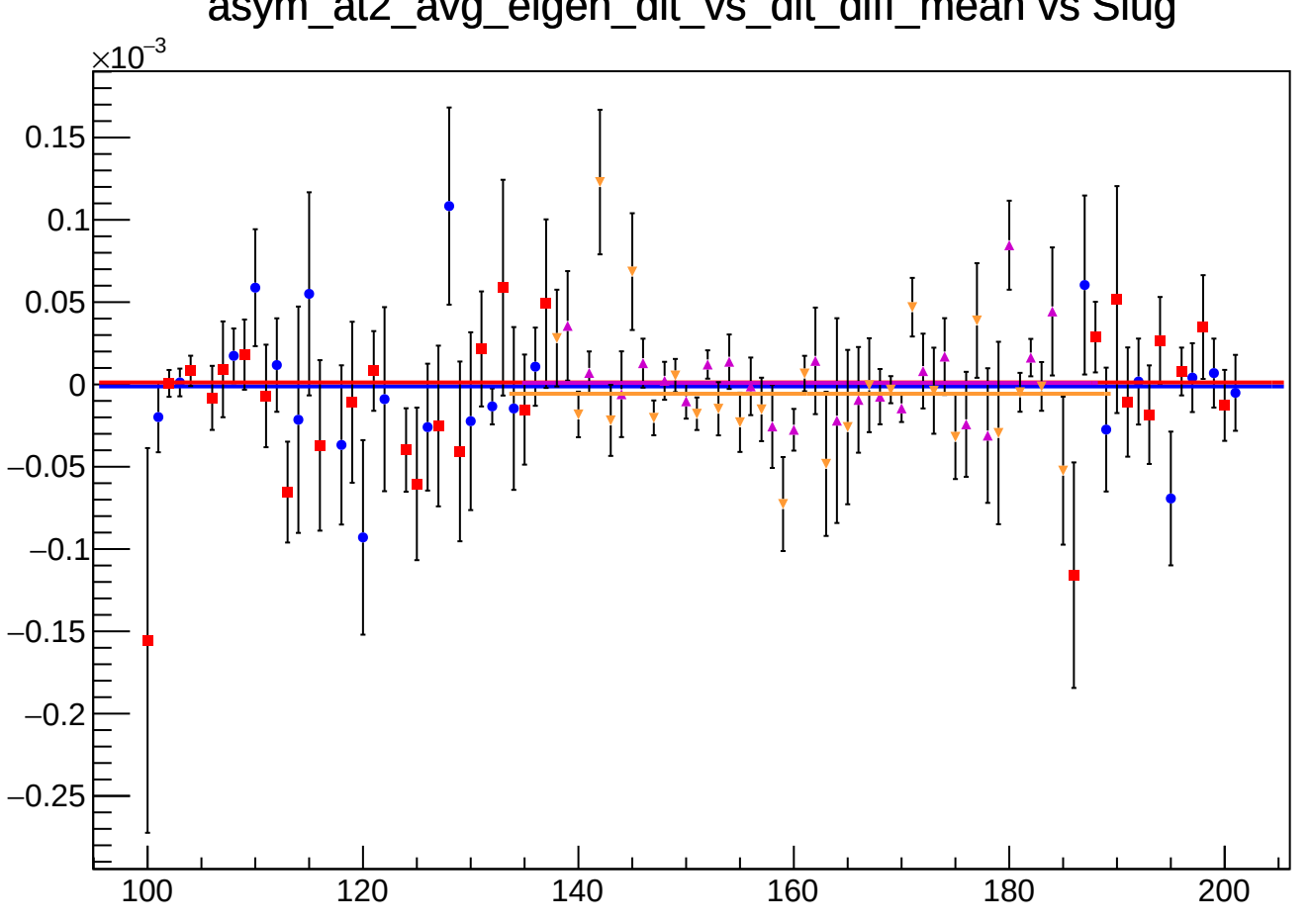
Right Out: 269.949+/-0.059 χ^2/NDF: 4516672.5/27

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 423.942+/-0.059 χ^2/NDF: 10460623.1/47

All: 381.081+/-0.039 χ^2/NDF: 25961530.7/98

- sign 349.160+/-0.051 χ^2/NDF: 14595038.0/50



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: 24.7/27

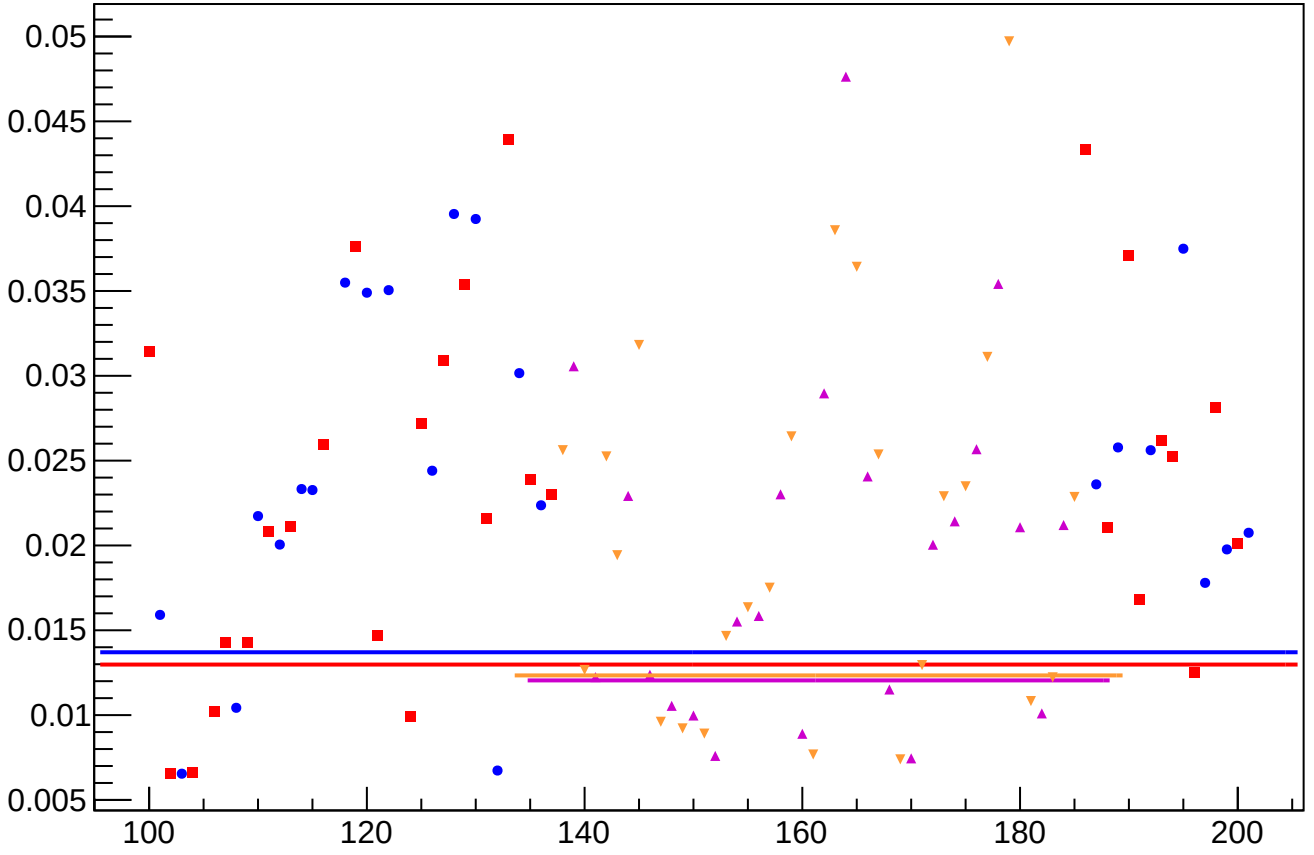
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.6/47

All: -0.000+/-0.000 χ^2/NDF: 119.4/98

- sign 0.000+/-0.000 χ^2/NDF: 54.9/50

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: 7339168.1/27

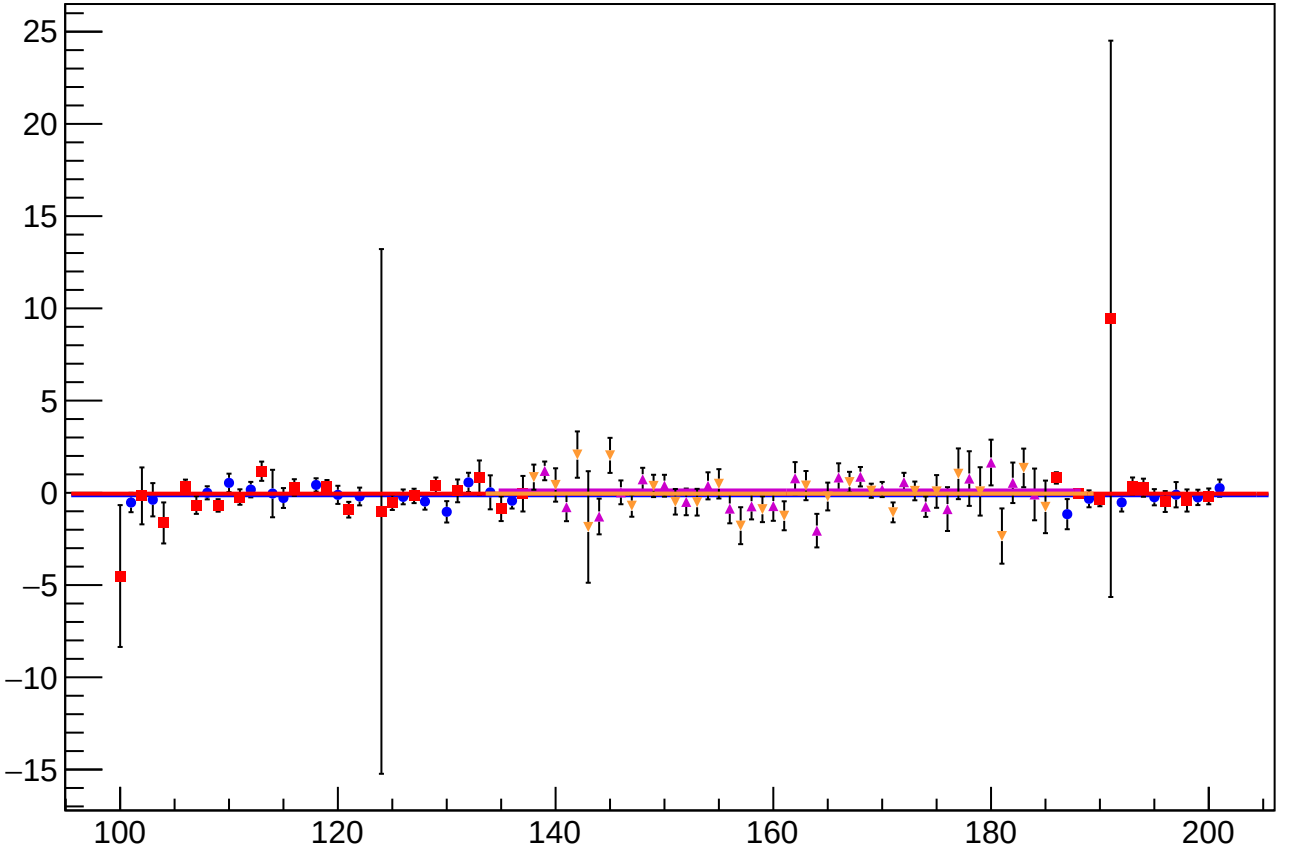
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 14820992.1/47

All: 0.013+/-0.000 χ^2/NDF: 28621766.1/98

- sign 0.012+/-0.000 χ^2/NDF: 13779959.1/50

asym_at2_avg_eigen_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: -0.045+/-0.084 χ^2/NDF: 37.1/27

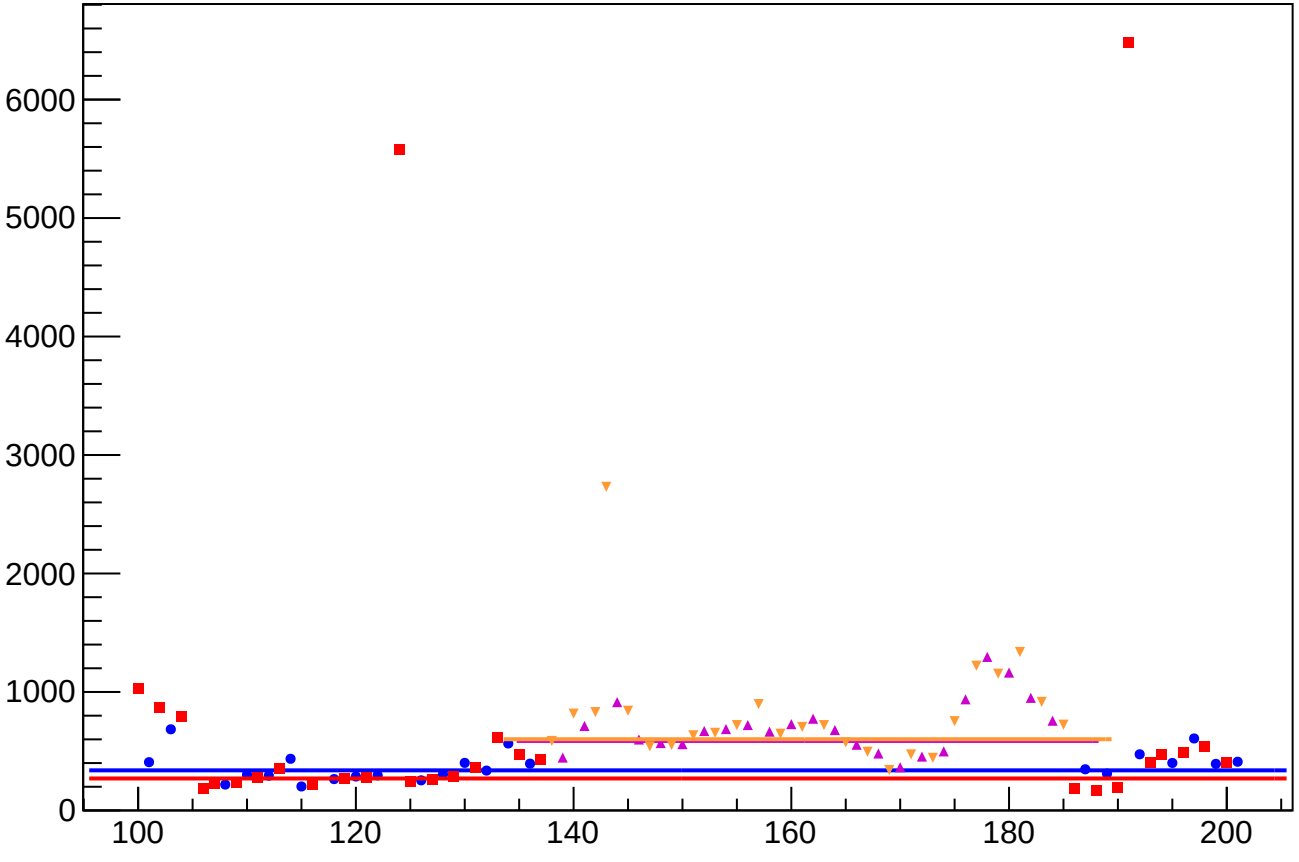
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.102+/-0.084 χ^2/NDF: 44.5/47

All: -0.045+/-0.055 χ^2/NDF: 112.5/98

- sign -0.002+/-0.073 χ^2/NDF: 67.2/50

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

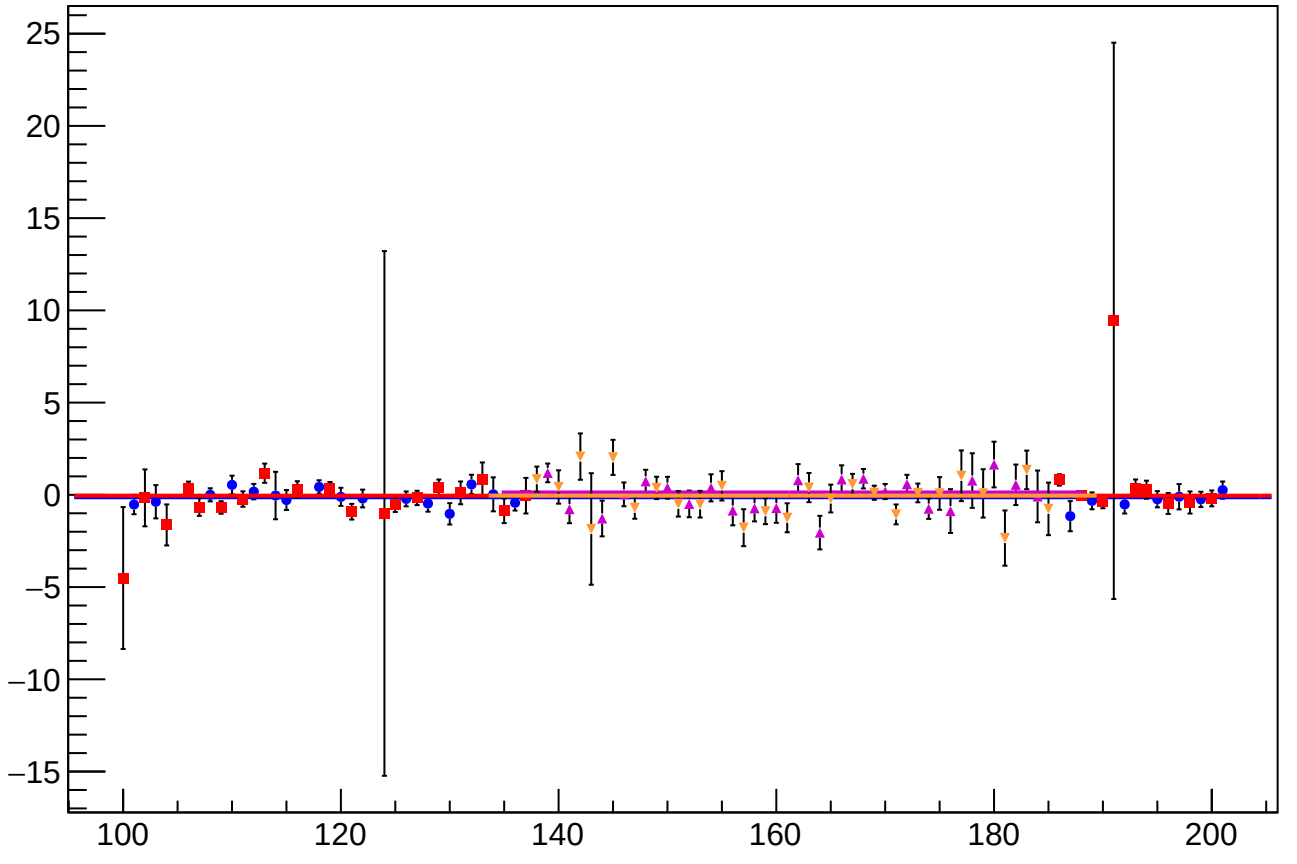
Right Out: 269.942+/-0.059 χ^2/NDF: 4516943.2/27

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 423.940+/-0.059 χ^2/NDF: 10460851.8/47

All: 381.076+/-0.039 χ^2/NDF: 25962739.1/98

- sign 349.153+/-0.051 χ^2/NDF: 14595867.5/50



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: -0.045+/-0.084 χ^2/NDF: 37.1/27

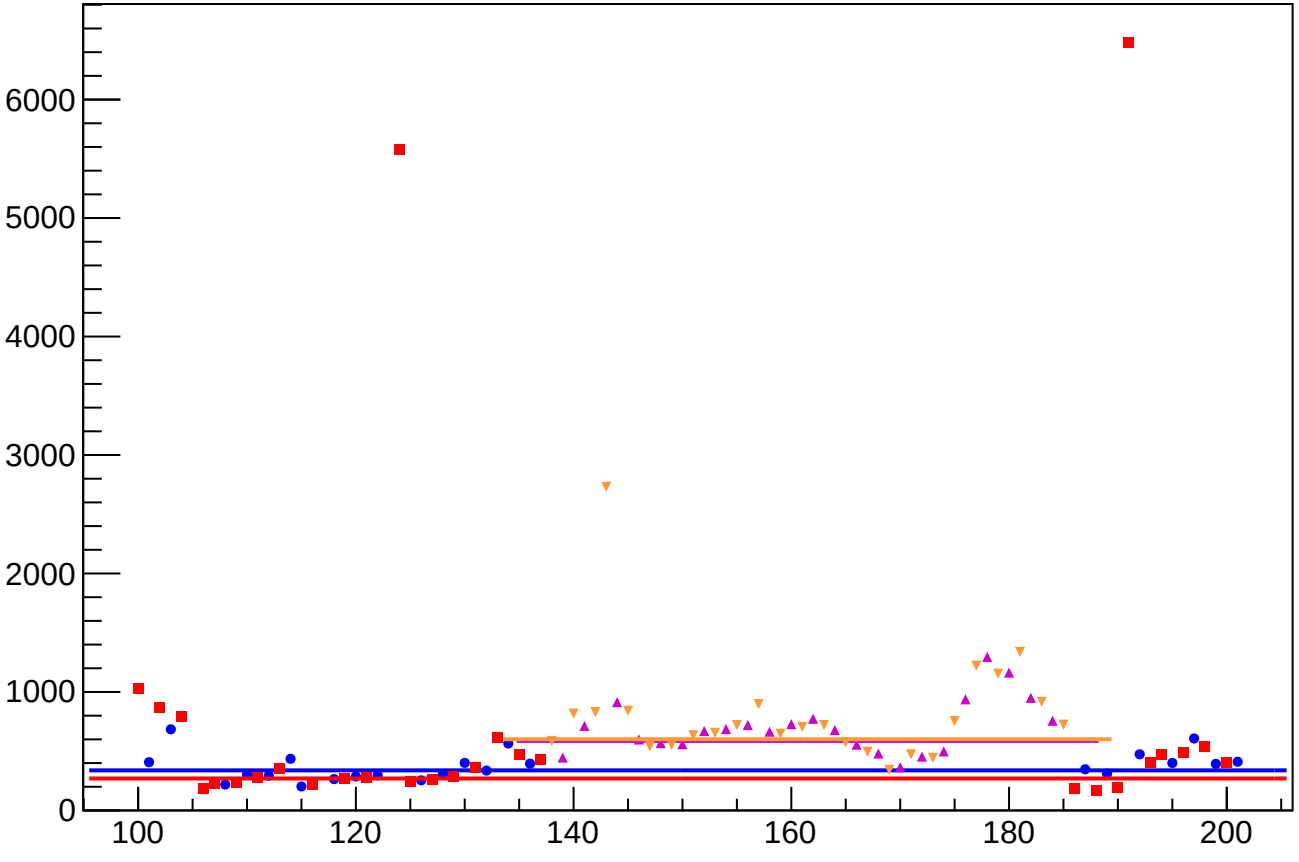
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.102+/-0.084 χ^2/NDF: 44.5/47

All: -0.045+/-0.055 χ^2/NDF: 112.5/98

- sign -0.002+/-0.073 χ^2/NDF: 67.2/50

asym_at2_avg_eigen_dit_vs_eigen_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

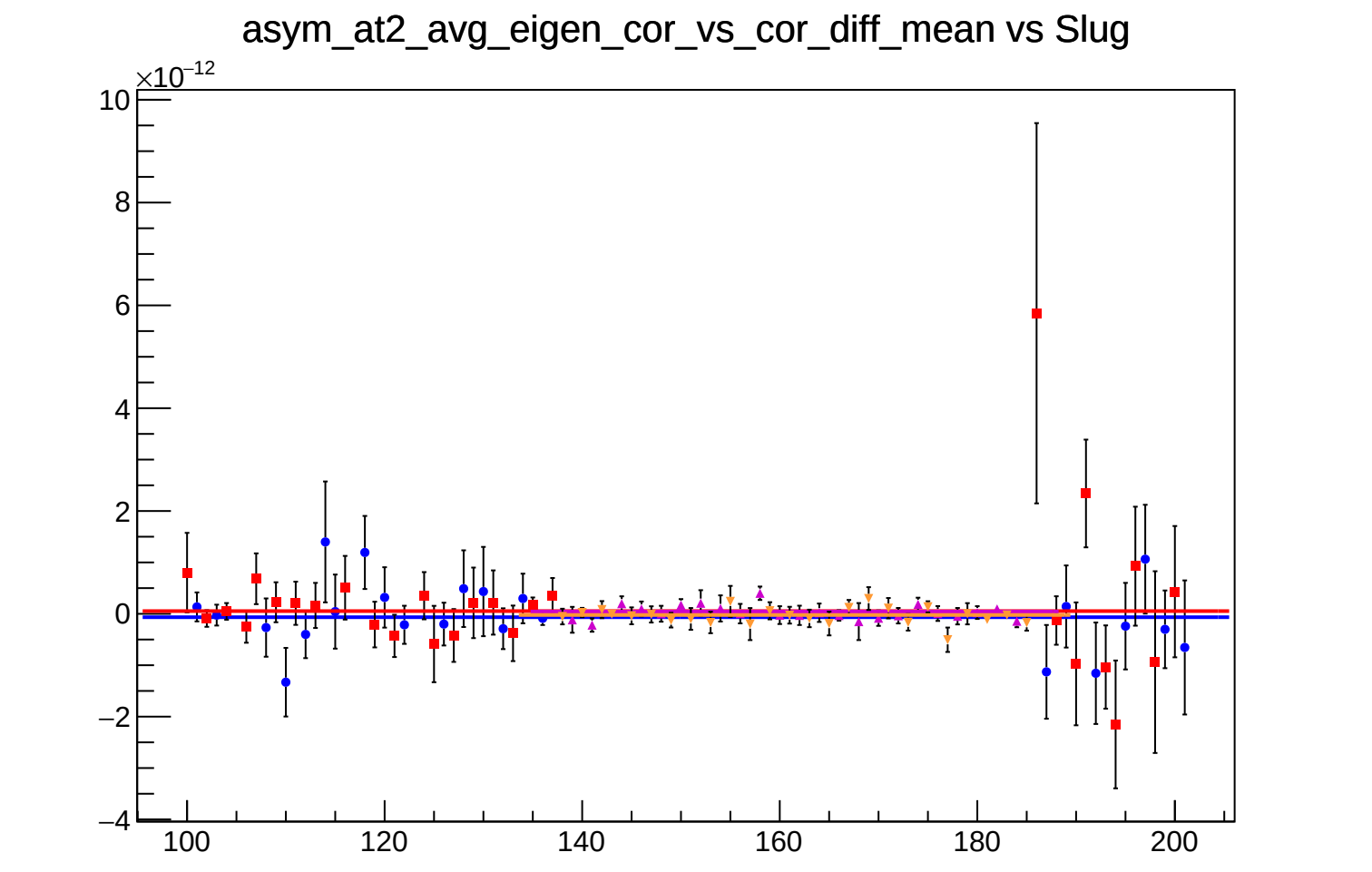
Right Out: 269.942+/-0.059 χ^2/NDF: 4516943.2/27

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 423.940+/-0.059 χ^2/NDF: 10460851.8/47

All: 381.076+/-0.039 χ^2/NDF: 25962739.1/98

- sign 349.153+/-0.051 χ^2/NDF: 14595867.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

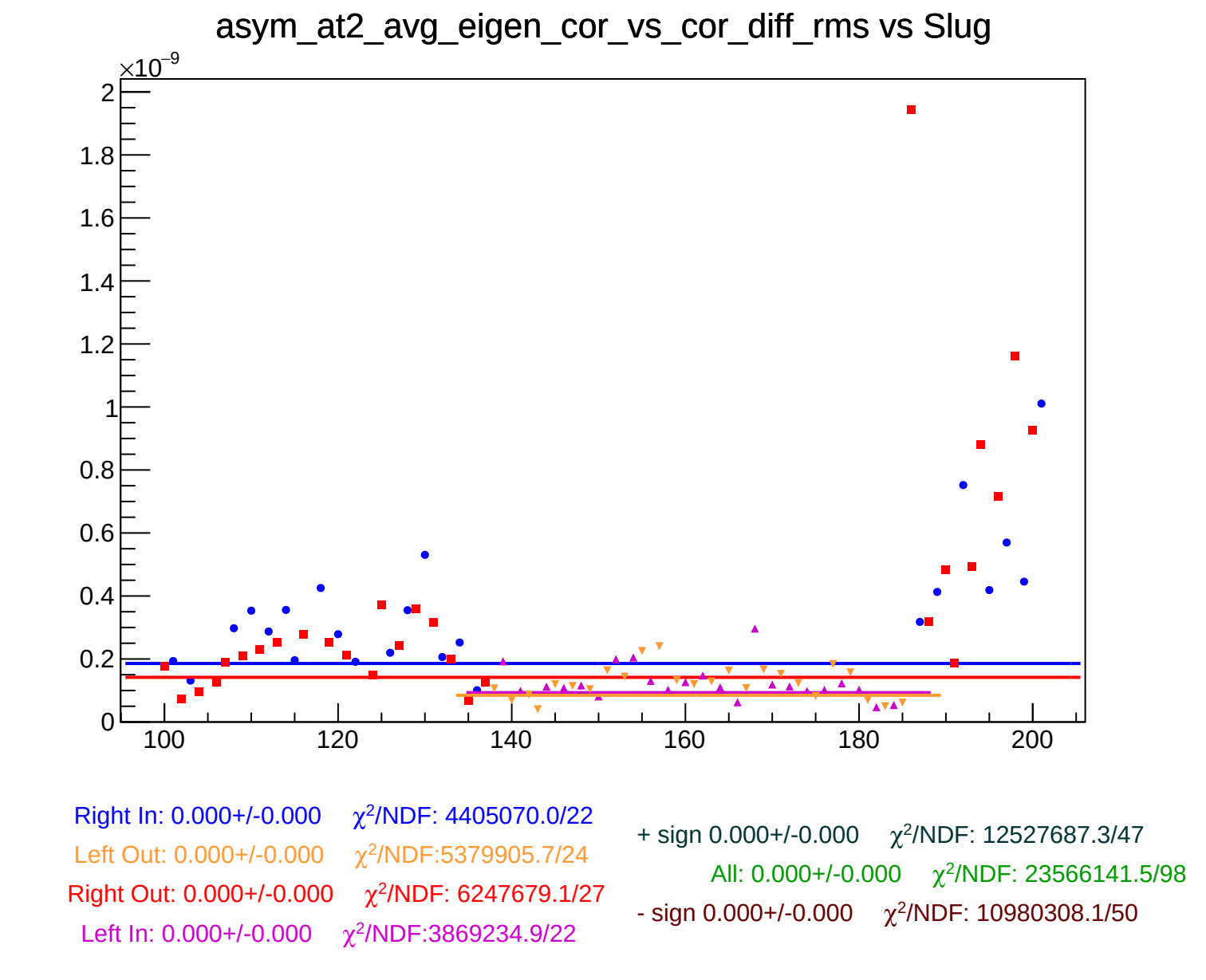
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/27

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

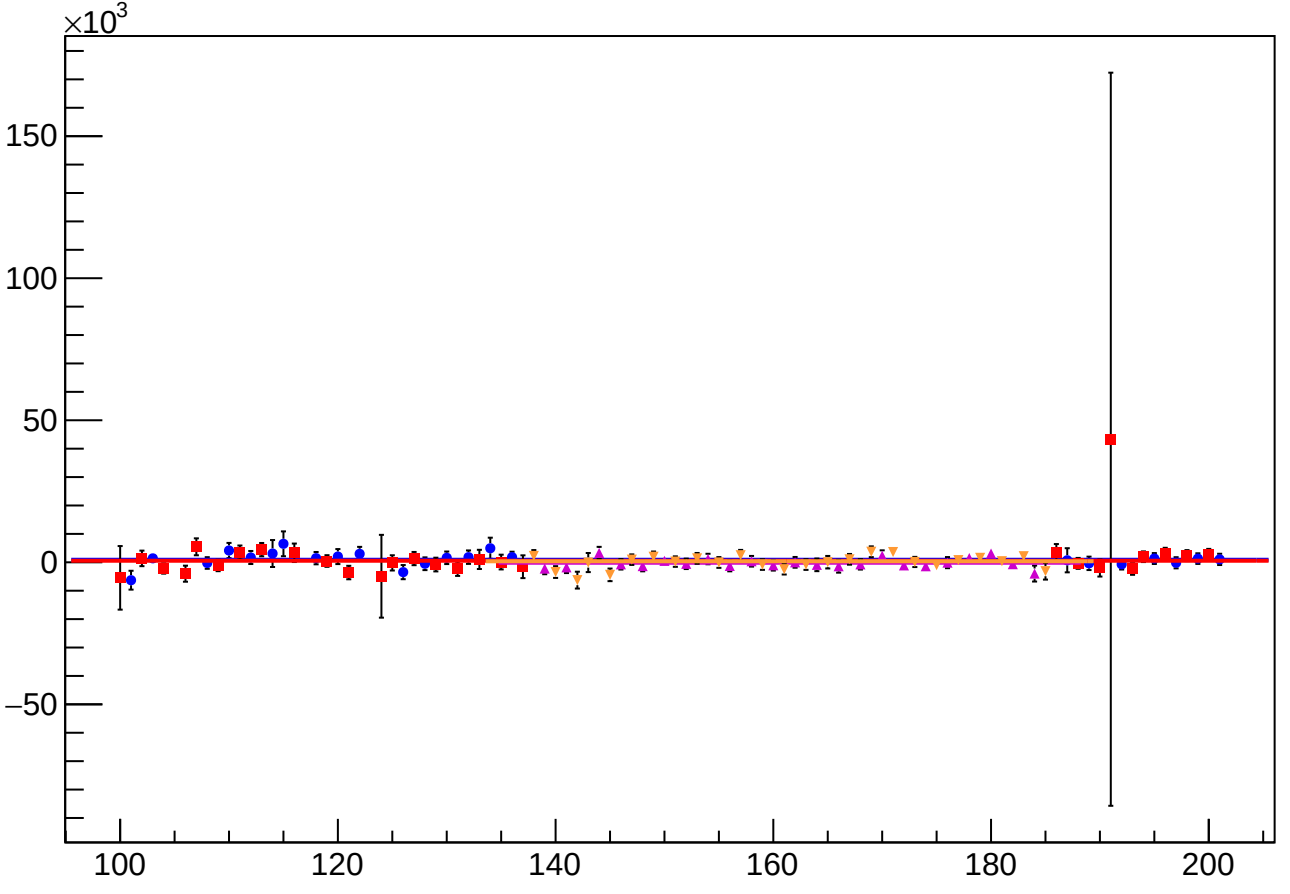
+ sign -0.000+/-0.000 χ^2/NDF: 32.7/47

All: 0.000+/-0.000 χ^2/NDF: 84.3/98

- sign 0.000+/-0.000 χ^2/NDF: 47.5/50


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: 6247679.1/27
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: 23566141.5/98
- sign 0.000+/-0.000 χ²/NDF: 10980308.1/50

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: 550.560+/-467.555 χ^2/NDF: 27.7/27

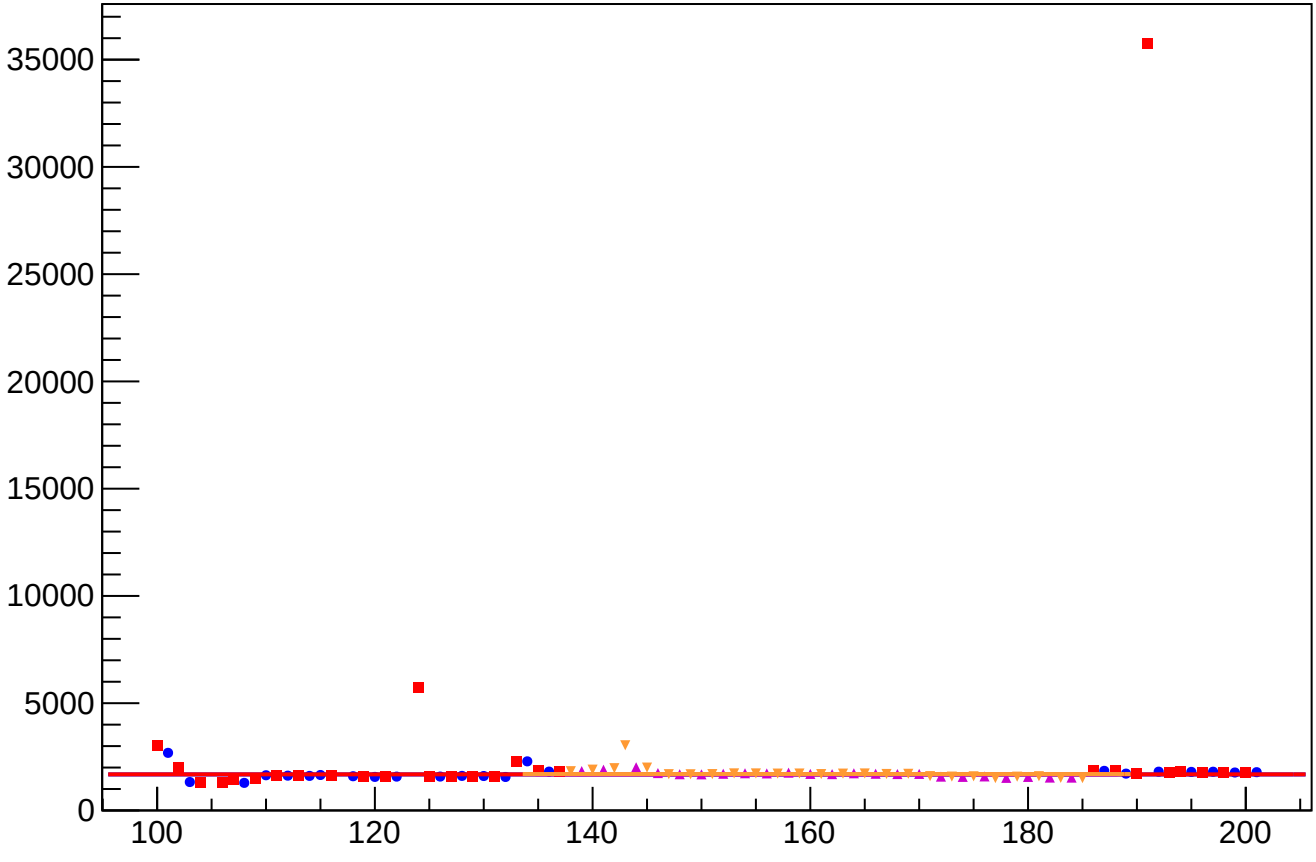
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 572.173+/-302.411 χ^2/NDF: 46.4/47

All: 353.870+/-213.480 χ^2/NDF: 92.5/98

- sign 137.018+/-301.404 χ^2/NDF: 45.0/50

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

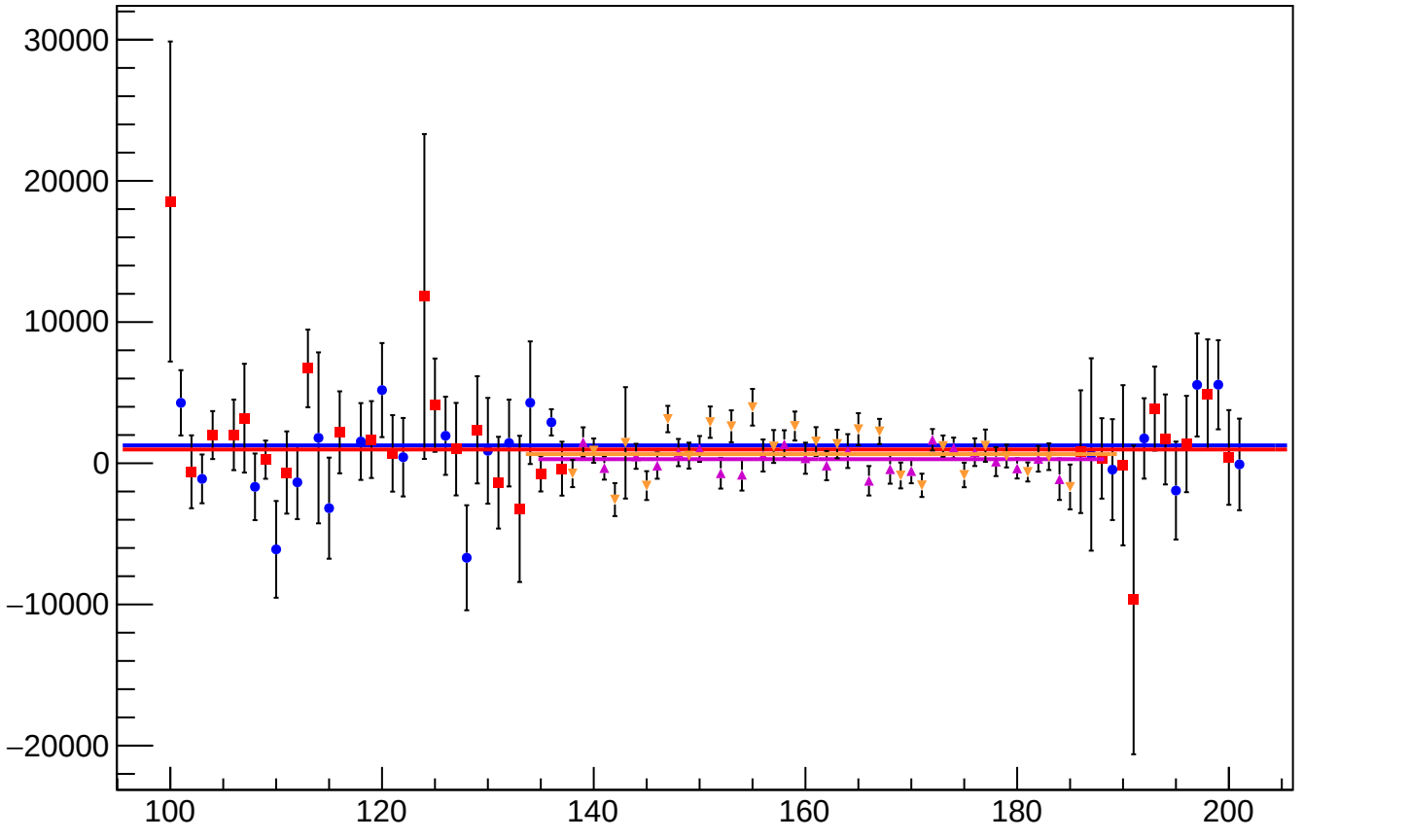
Right Out: 1683.429+/-0.331 χ^2/NDF: 665828.3/27

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1689.817+/-0.214 χ^2/NDF: 964632.4/47

All: 1686.949+/-0.151 χ^2/NDF: 1796182.0/98

- sign 1684.100+/-0.213 χ^2/NDF: 831191.0/50



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: 975.702+/-507.323 χ^2/NDF: 17.4/27

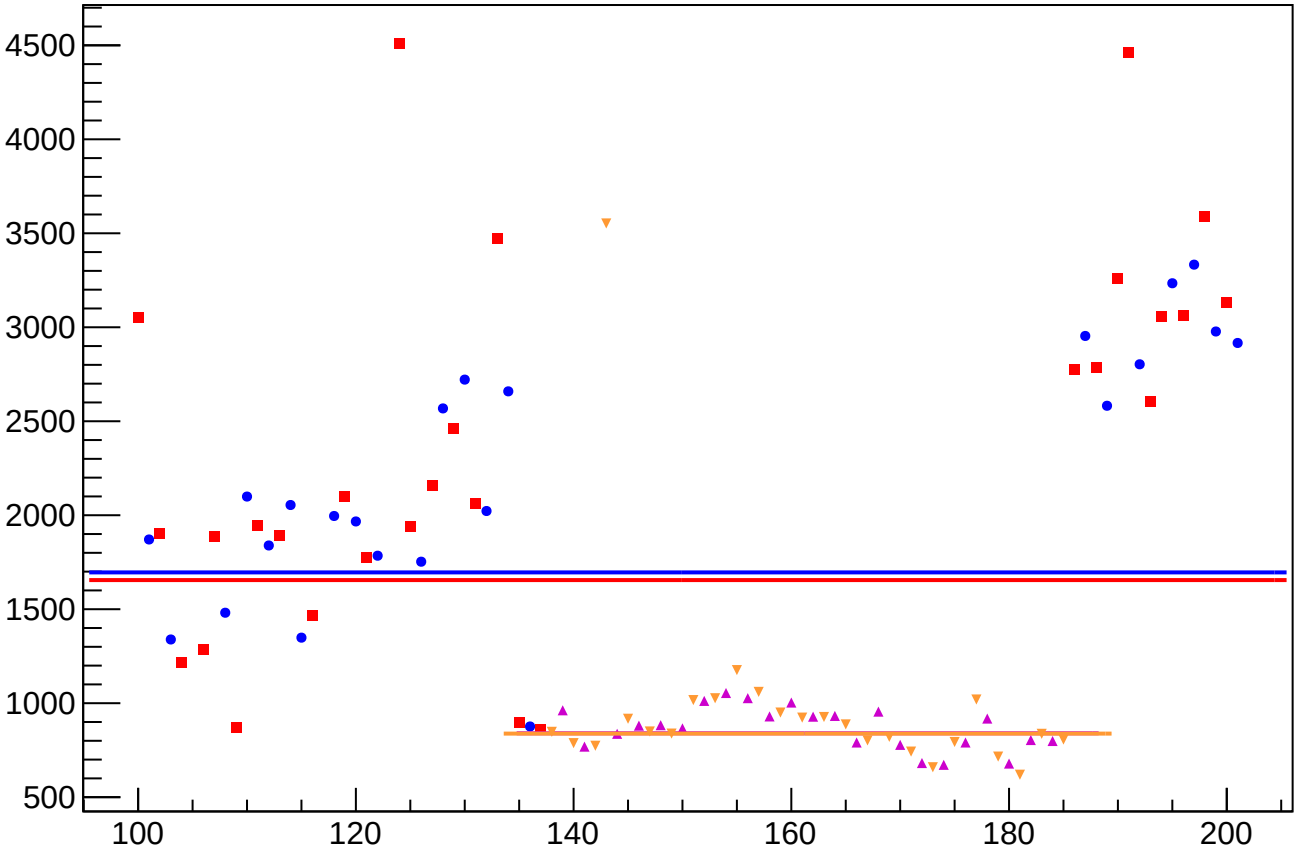
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 723.132+/-183.563 χ^2/NDF: 93.2/47

All: 552.681+/-130.251 χ^2/NDF: 130.5/98

- sign 379.833+/-184.849 χ^2/NDF: 35.5/50

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

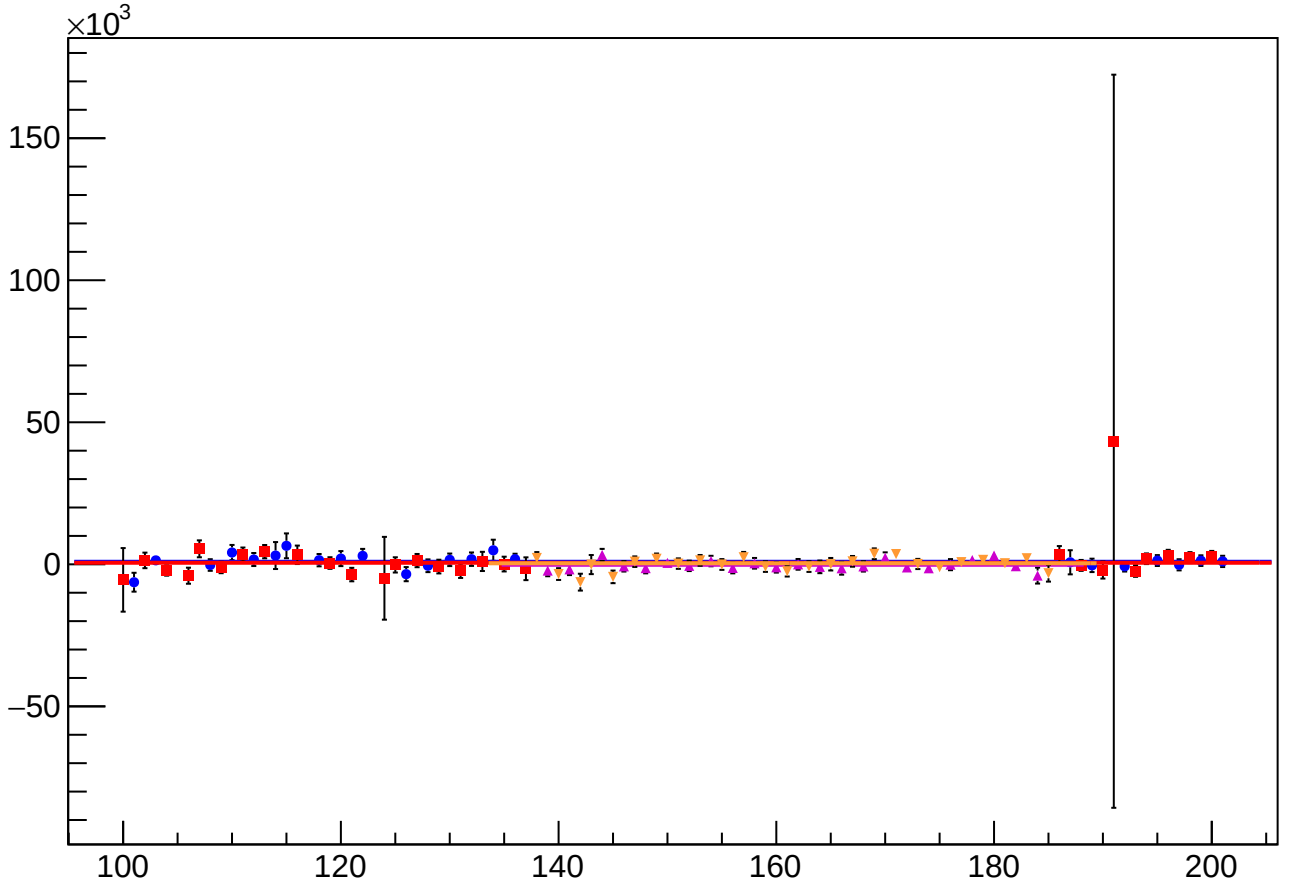
Right Out: 1654.993+/-0.359 χ^2/NDF: 5181828.4/27

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 941.094+/-0.130 χ^2/NDF: 10456646.2/47

All: 944.611+/-0.092 χ^2/NDF: 20785751.5/98

- sign 948.177+/-0.131 χ^2/NDF: 10327626.8/50



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: 550.753+/-467.555 χ^2/NDF: 27.7/27

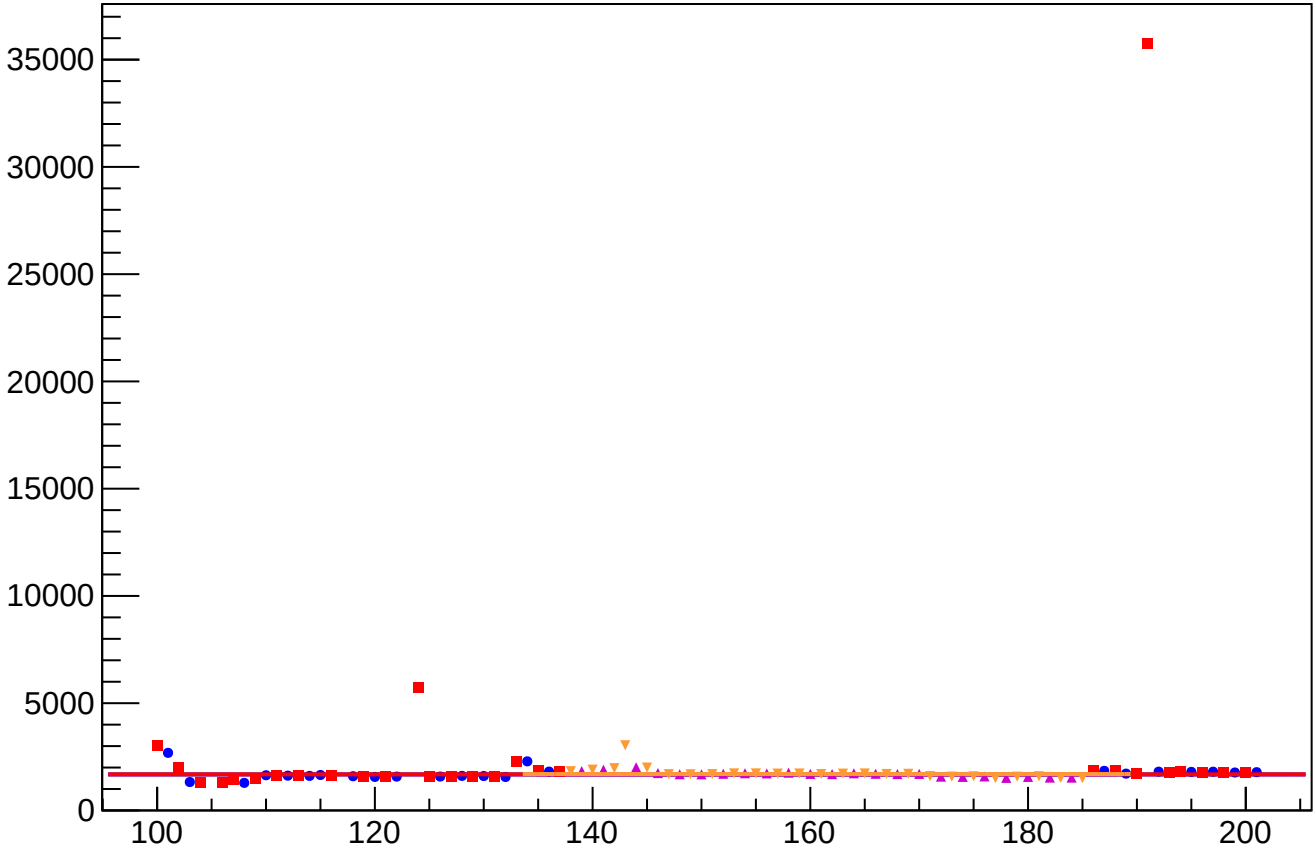
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 572.133+/-302.411 χ^2/NDF: 46.4/47

All: 353.918+/-213.480 χ^2/NDF: 92.5/98

- sign 137.153+/-301.404 χ^2/NDF: 45.0/50

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: 1683.429+/-0.331 χ^2/NDF: 665828.4/27

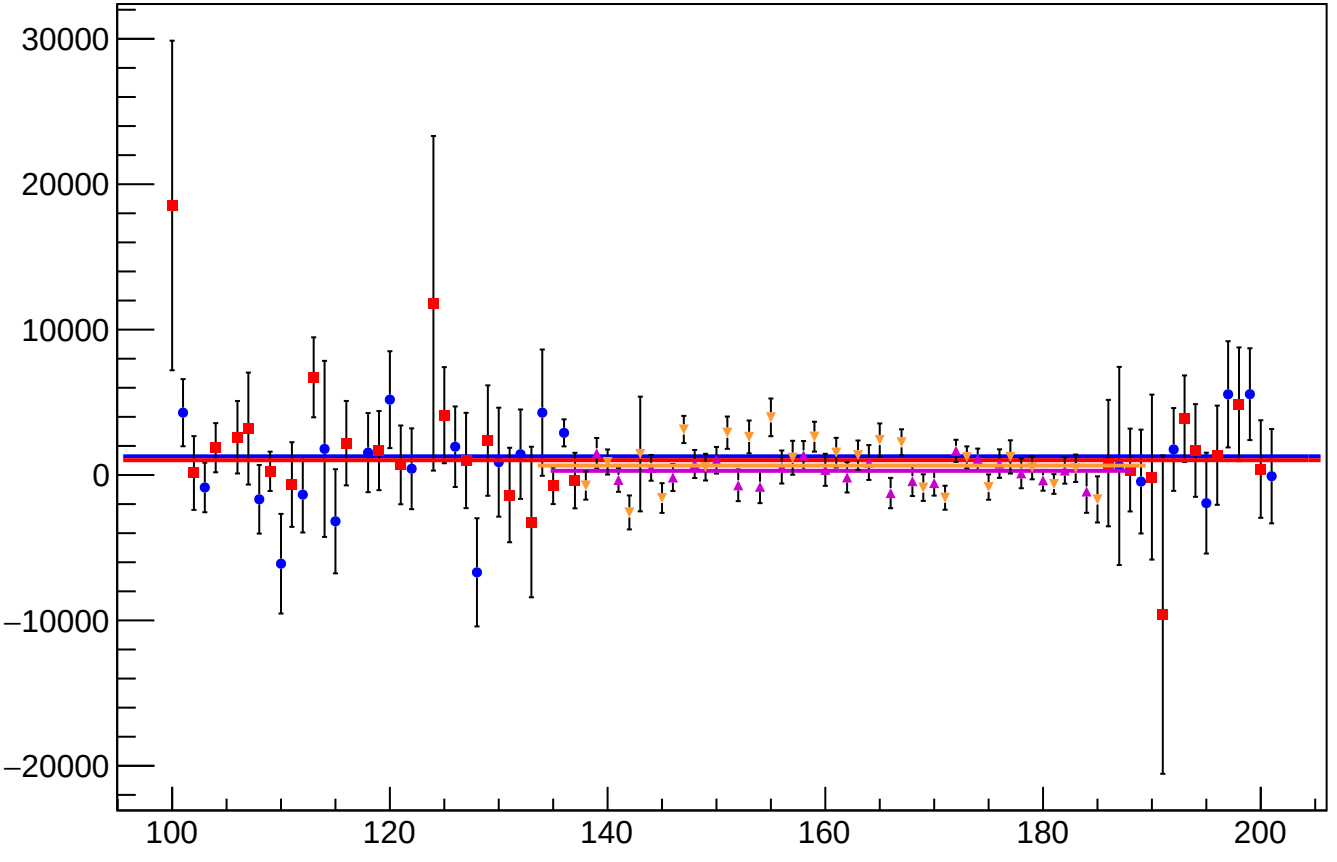
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1689.817+/-0.214 χ^2/NDF: 964632.8/47

All: 1686.949+/-0.151 χ^2/NDF: 1796182.5/98

- sign 1684.100+/-0.213 χ^2/NDF: 831191.2/50

asym_at2_dd_cor_correction_mean vs Slug



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: 1018.368+/-506.741 χ^2/NDF: 17.3/27

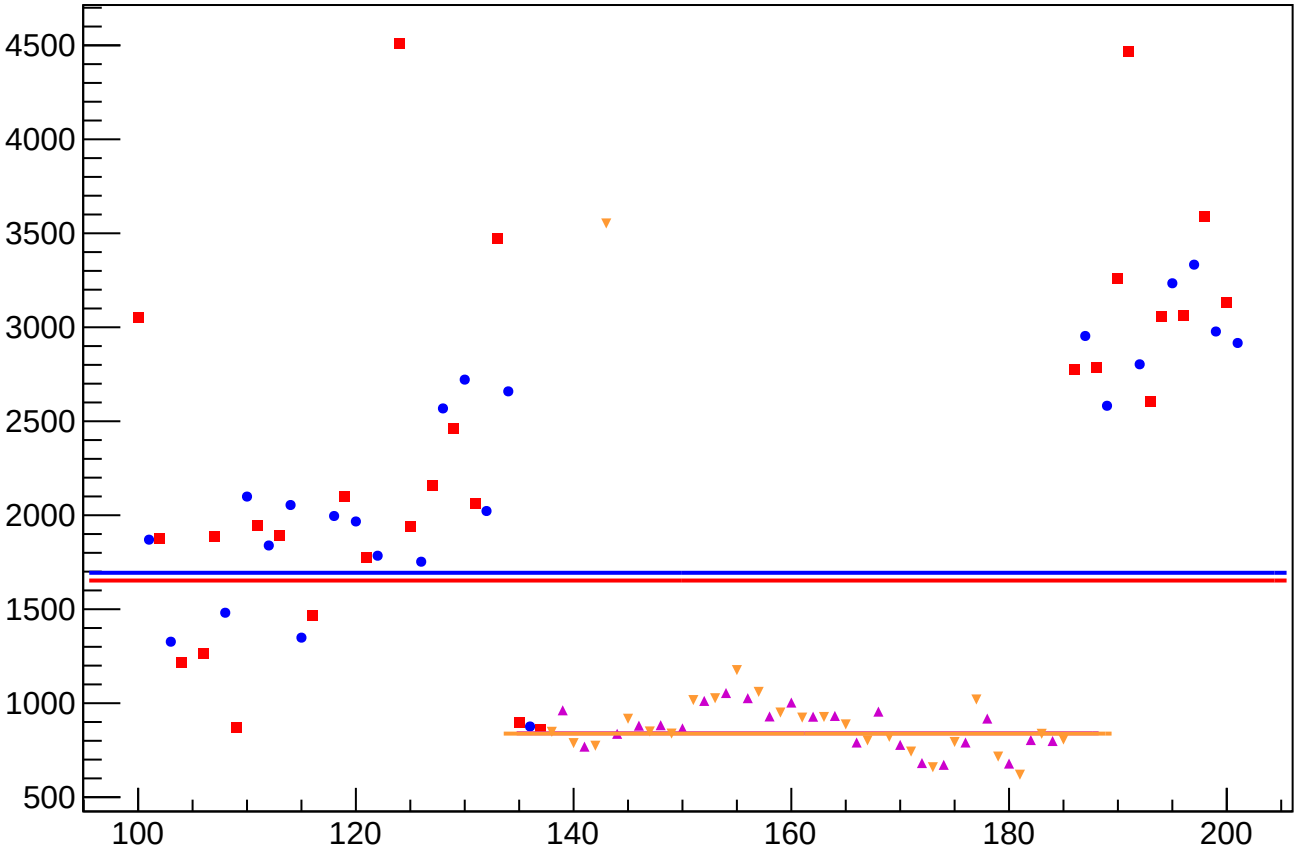
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

\+ sign 725.569+/-183.539 χ^2/NDF: 93.0/47

All: 556.807+/-130.233 χ^2/NDF: 130.3/98

\- sign 385.678+/-184.821 χ^2/NDF: 35.6/50

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: 1652.669+/-0.358 χ^2/NDF: 5186384.2/27

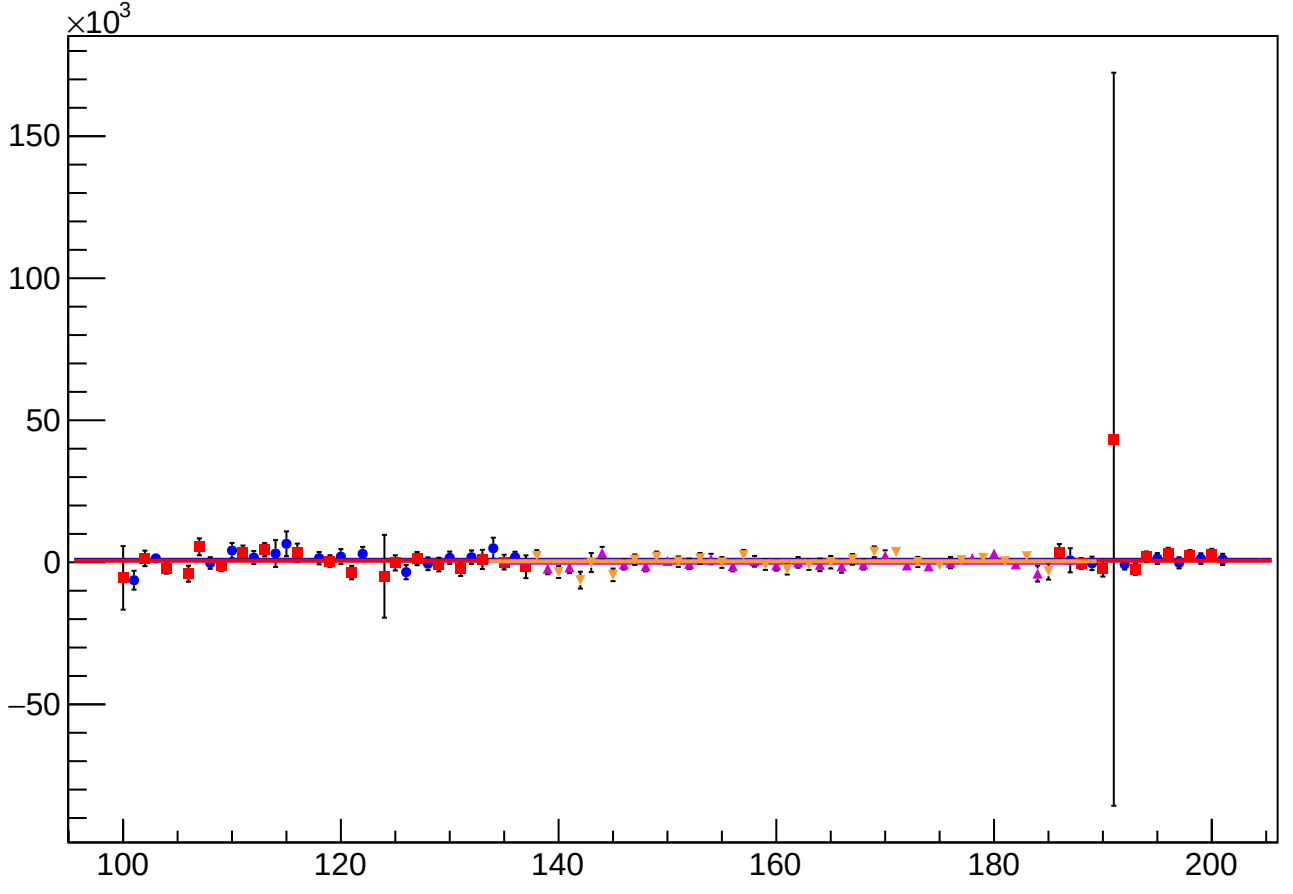
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 941.082+/-0.130 χ^2/NDF: 10452339.0/47

All: 944.559+/-0.092 χ^2/NDF: 20769300.6/98

- sign 948.086+/-0.131 χ^2/NDF: 10315515.4/50

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: 550.753+/-467.555 χ^2/NDF: 27.7/27

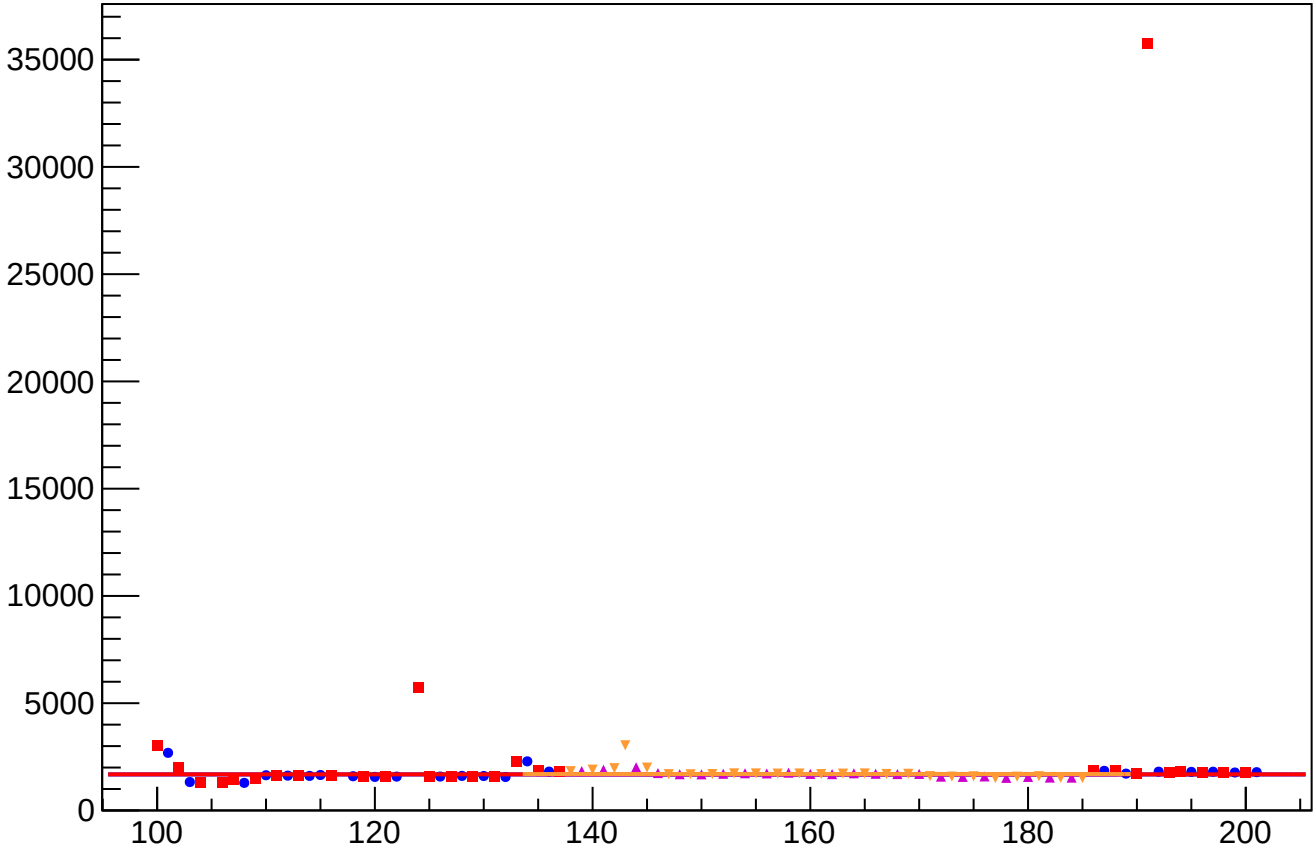
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 572.133+/-302.411 χ^2/NDF: 46.4/47

All: 353.918+/-213.480 χ^2/NDF: 92.5/98

- sign 137.153+/-301.404 χ^2/NDF: 45.0/50

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

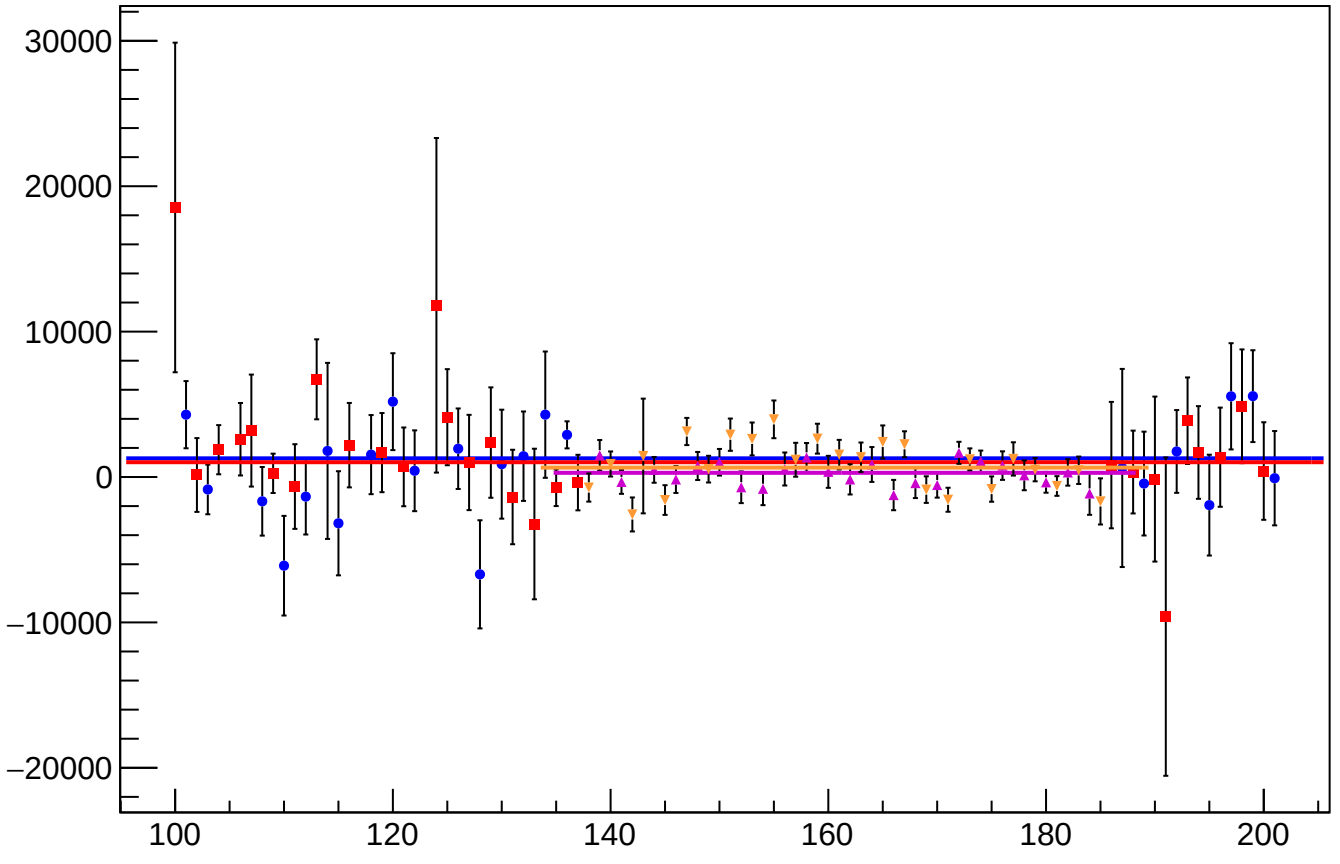
Right Out: 1683.429+/-0.331 χ^2/NDF: 665828.4/27

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1689.817+/-0.214 χ^2/NDF: 964632.8/47

All: 1686.949+/-0.151 χ^2/NDF: 1796182.5/98

- sign 1684.100+/-0.213 χ^2/NDF: 831191.2/50



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: 1018.368+/-506.741 χ^2/NDF: 17.3/27

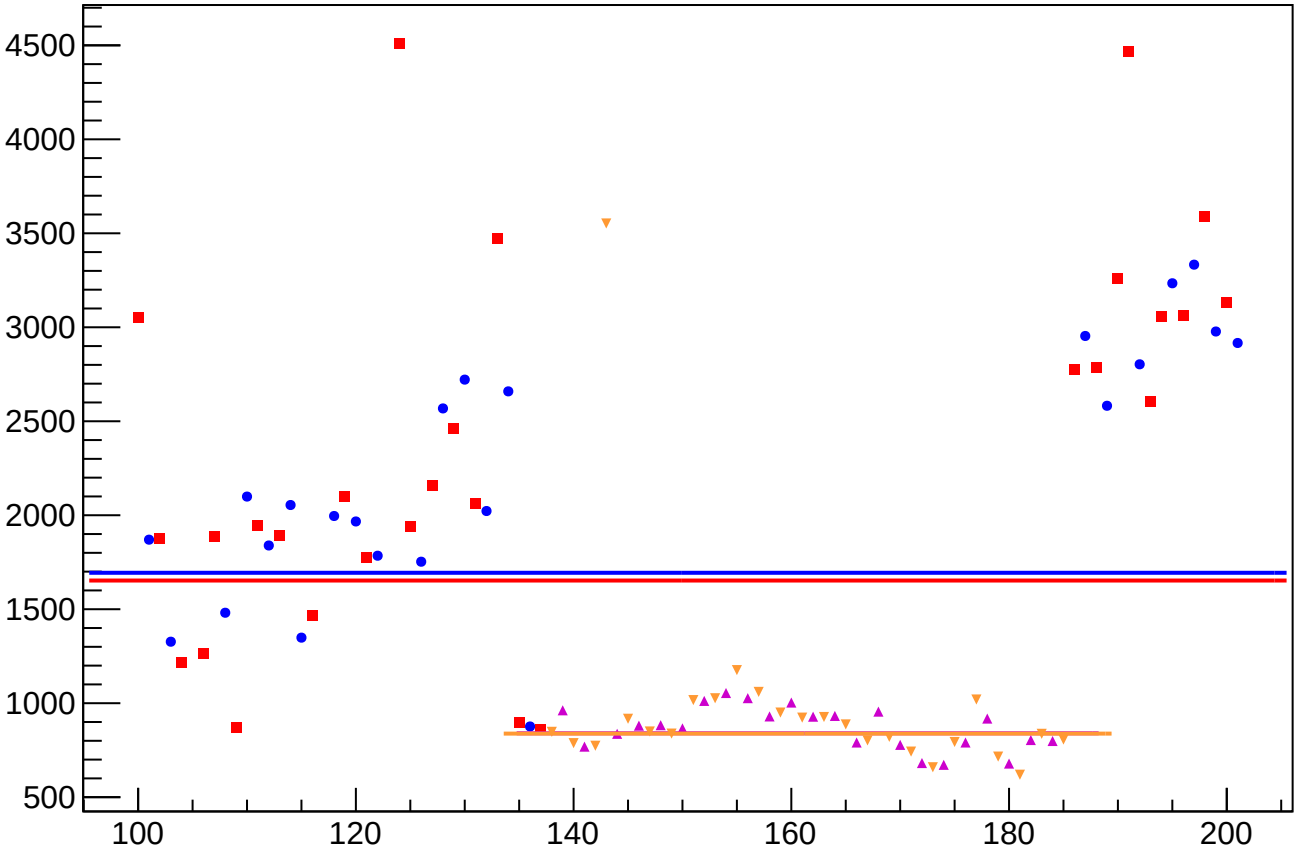
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

\+ sign 725.569+/-183.539 χ^2/NDF: 93.0/47

All: 556.807+/-130.233 χ^2/NDF: 130.3/98

\- sign 385.678+/-184.821 χ^2/NDF: 35.6/50

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: 1652.669+/-0.358 χ^2/NDF: 5186384.2/27

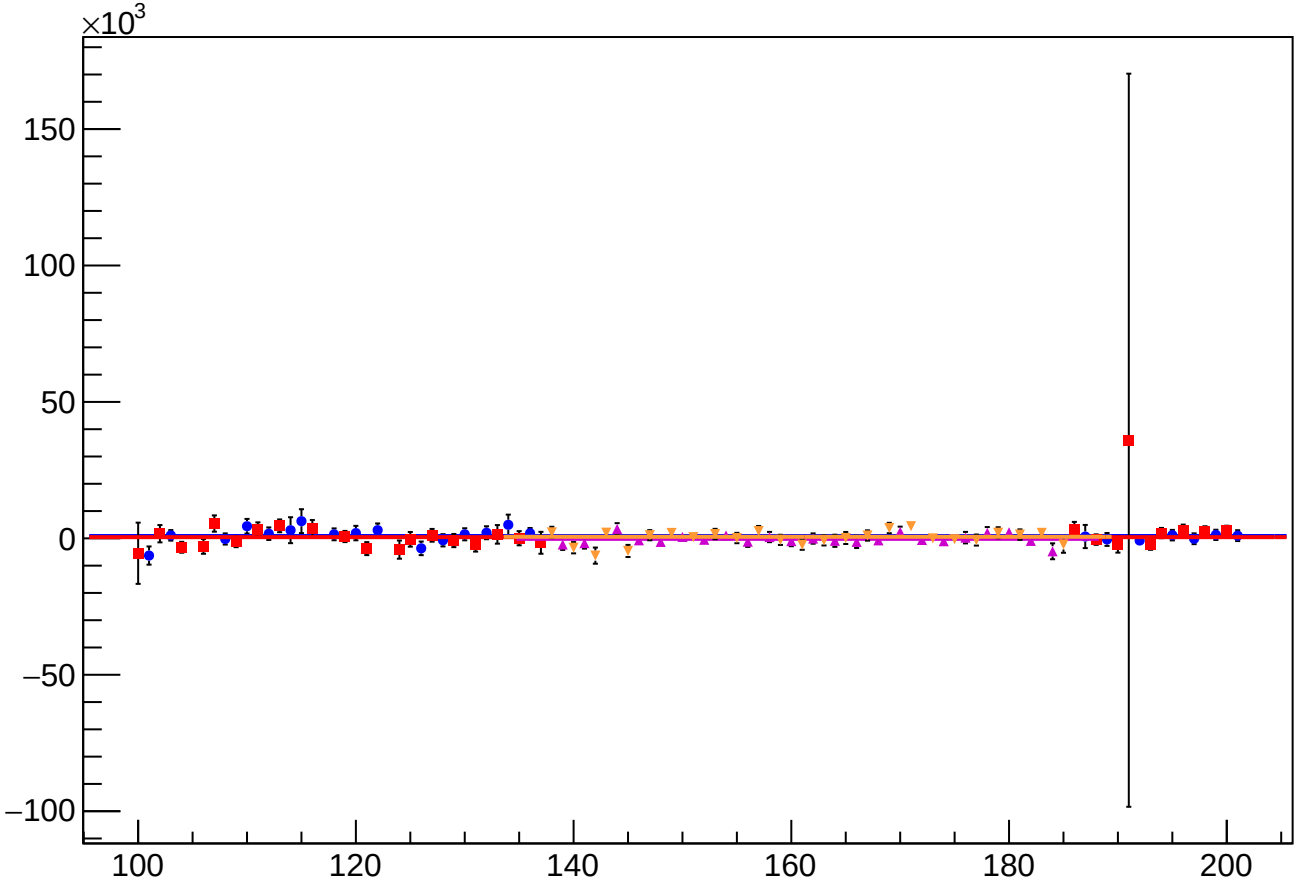
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 941.082+/-0.130 χ^2/NDF: 10452339.0/47

All: 944.559+/-0.092 χ^2/NDF: 20769300.6/98

- sign 948.086+/-0.131 χ^2/NDF: 10315515.4/50

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: 435.121+/-468.052 χ^2/NDF: 29.9/27

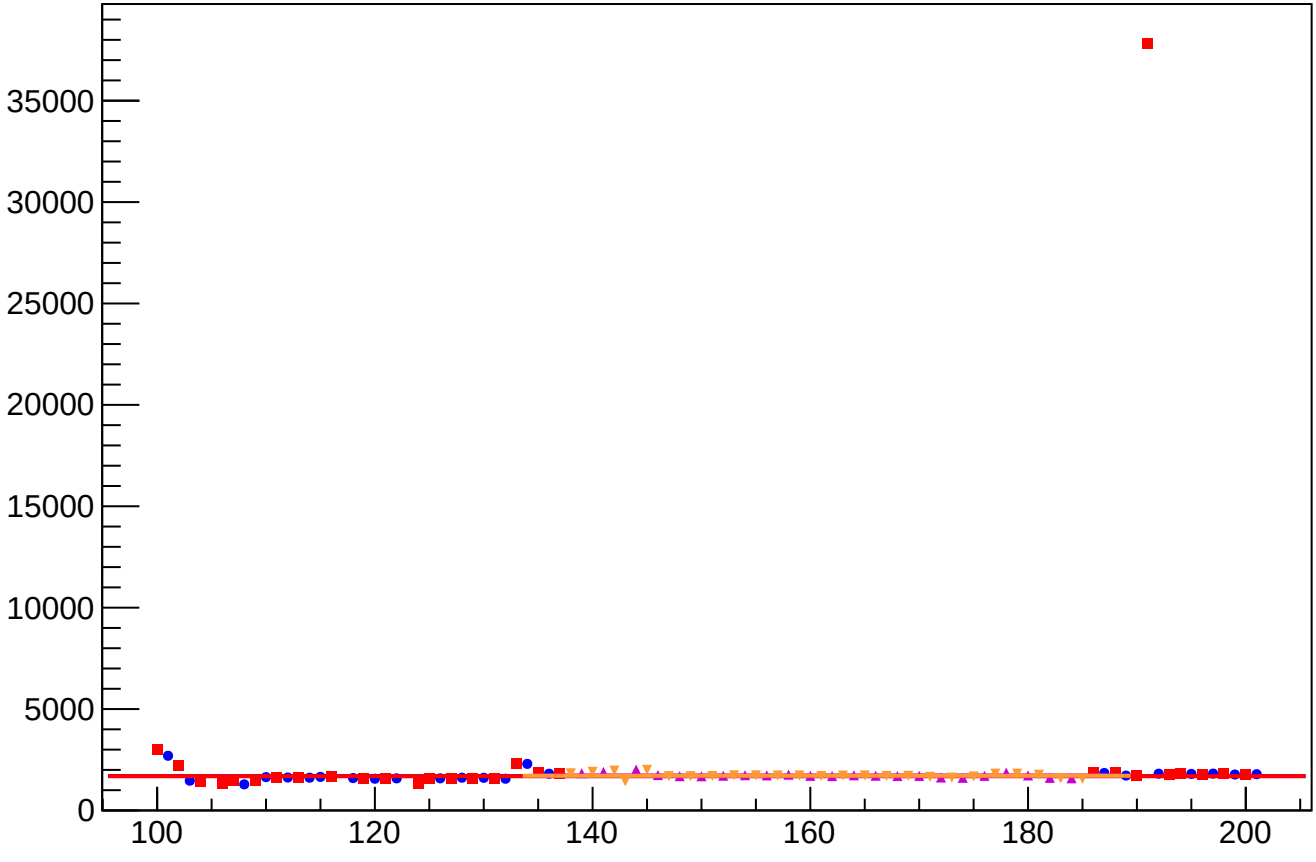
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 686.567+/-304.300 χ^2/NDF: 48.7/47

All: 384.521+/-215.726 χ^2/NDF: 96.1/98

- sign 79.349+/-305.870 χ^2/NDF: 45.4/50

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: 1689.459+/-0.331 χ^2/NDF: 526096.2/27

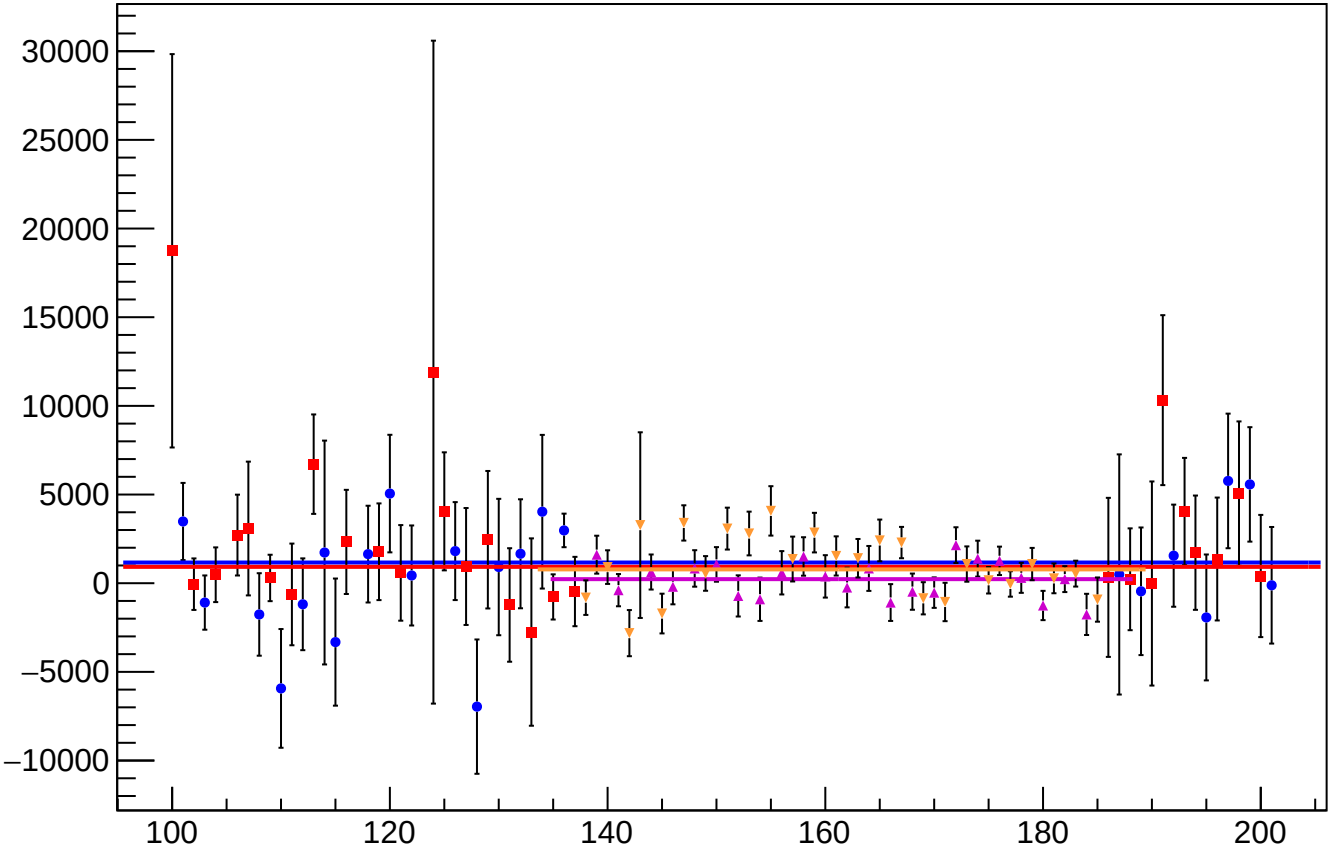
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1705.458+/-0.215 χ^2/NDF: 580840.8/47

All: 1708.459+/-0.153 χ^2/NDF: 1215289.1/98

- sign 1711.491+/-0.216 χ^2/NDF: 634057.3/50

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: 921.952+/-480.707 χ^2/NDF: 19.9/27

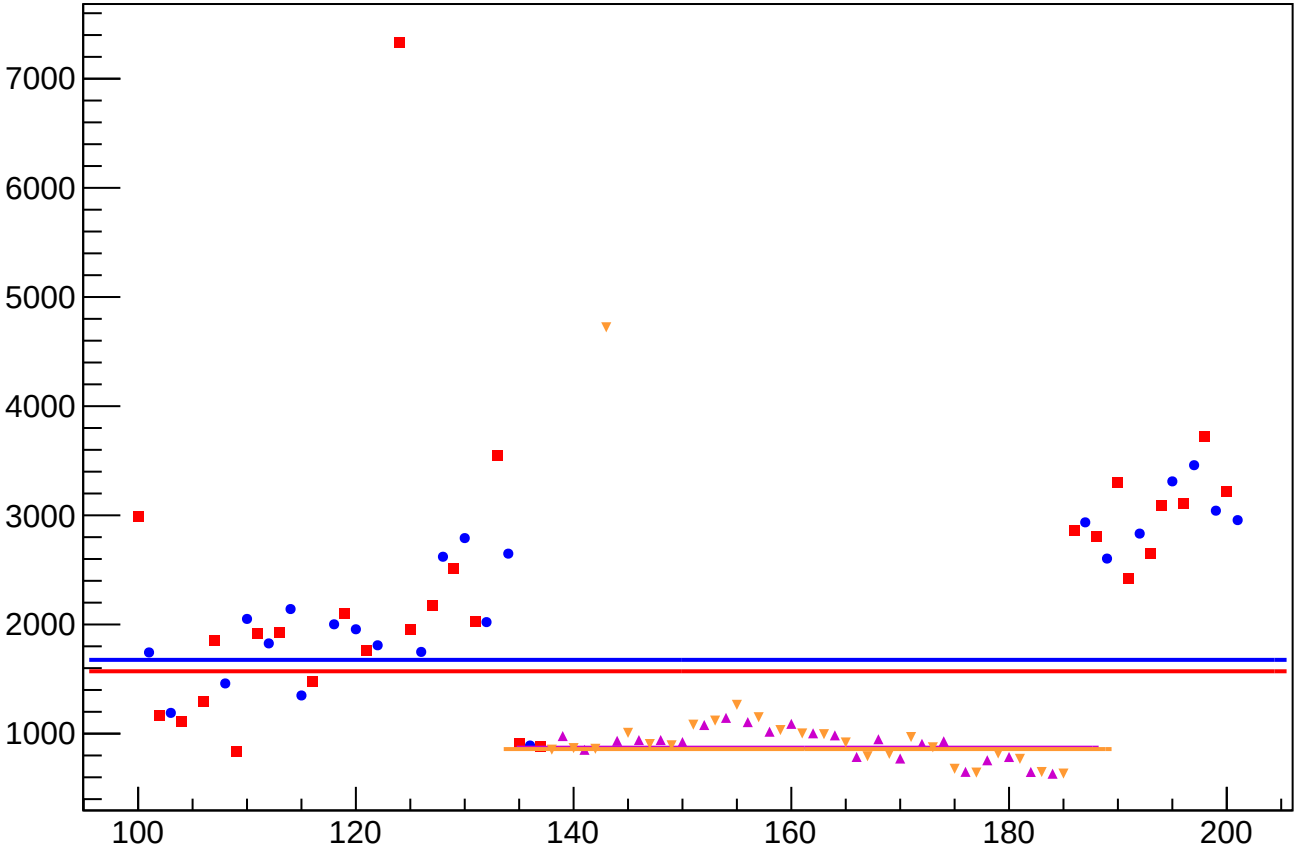
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 828.674+/-188.270 χ^2/NDF: 81.5/47

All: 584.961+/-133.697 χ^2/NDF: 129.2/98

- sign 337.030+/-189.892 χ^2/NDF: 44.3/50

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: 1571.248+/-0.340 χ^2/NDF: 5585882.1/27

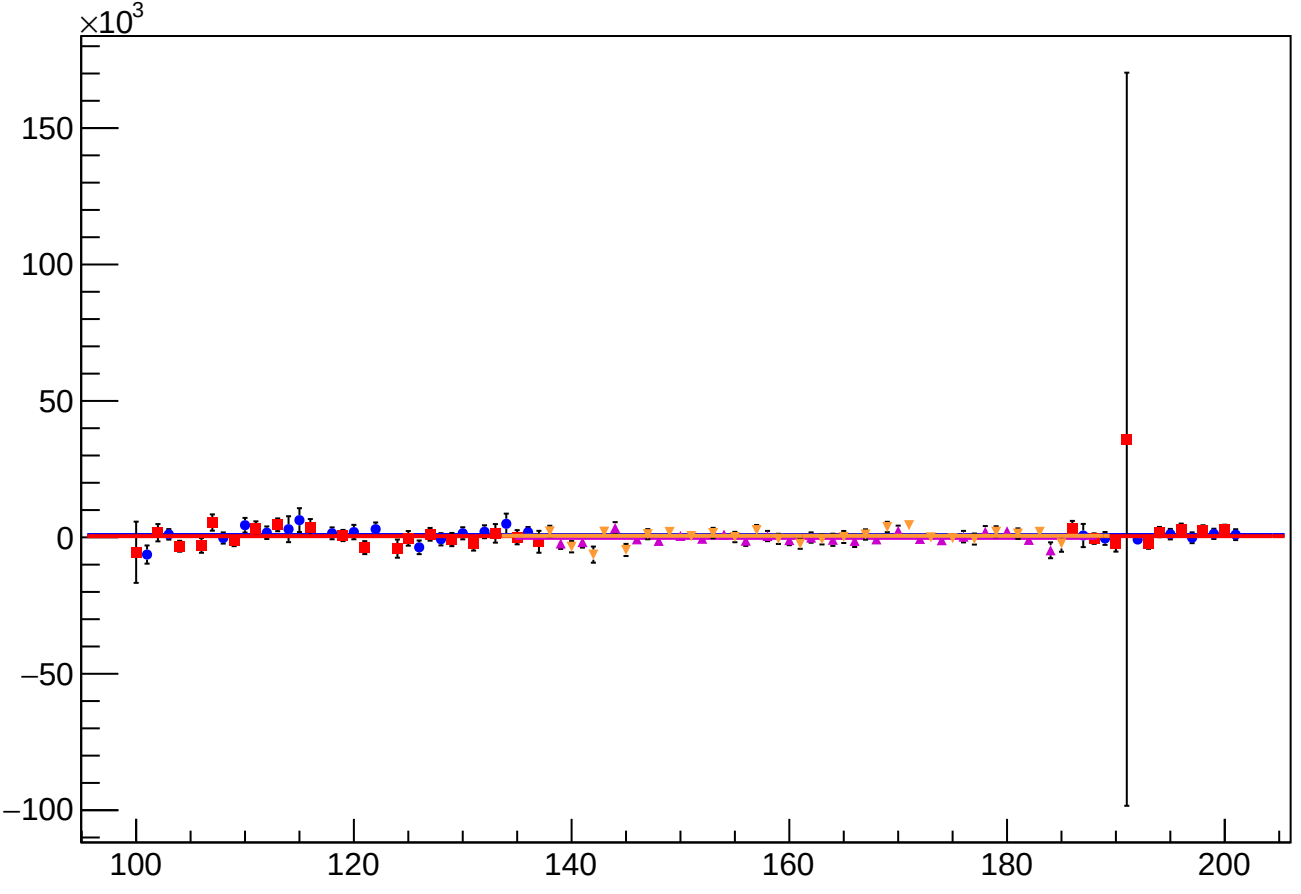
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 963.393+/-0.133 χ^2/NDF: 10669268.1/47

All: 971.980+/-0.095 χ^2/NDF: 20819234.6/98

- sign 980.715+/-0.134 χ^2/NDF: 10141573.3/50

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: 435.118+/-468.052 χ^2/NDF: 29.9/27

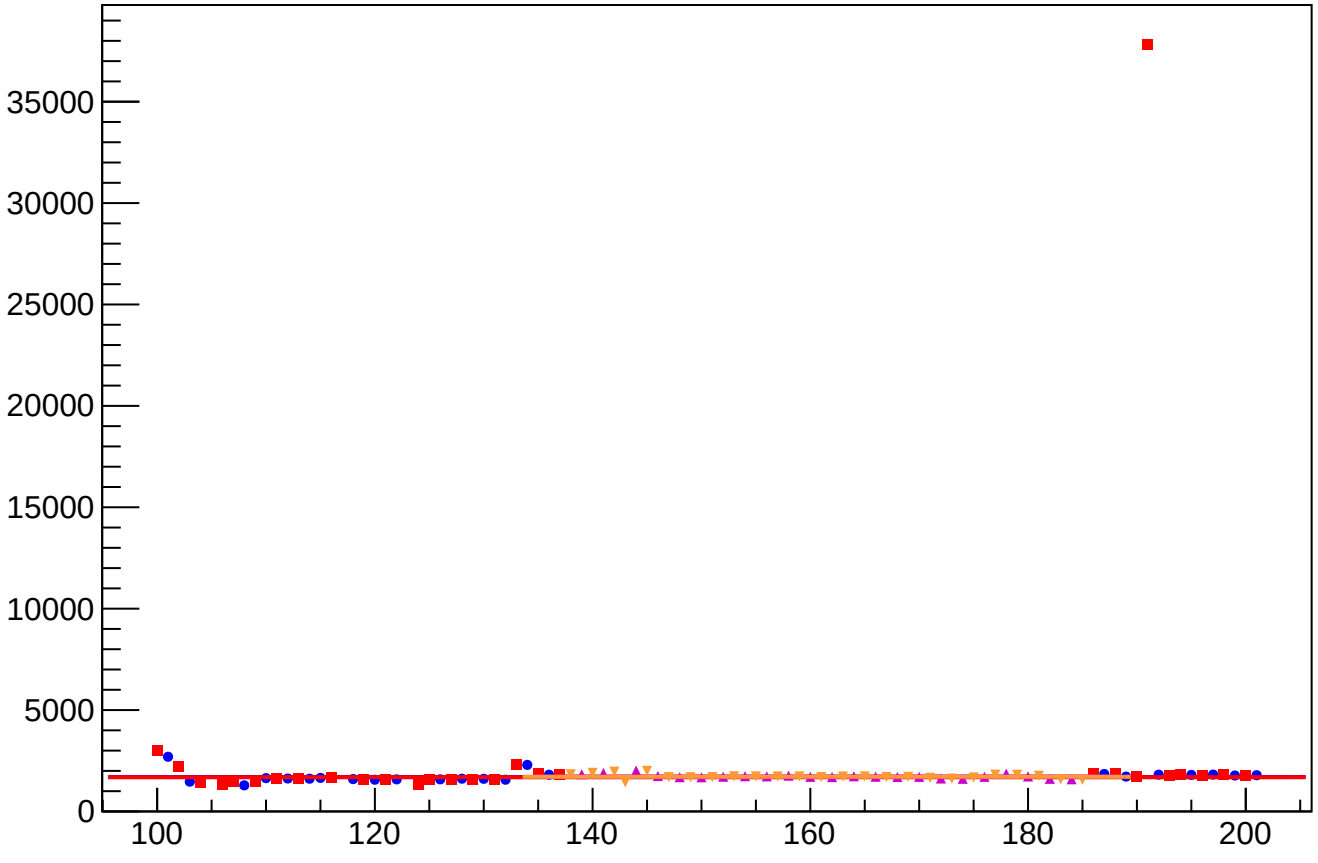
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 686.565+/-304.300 χ^2/NDF: 48.7/47

All: 384.519+/-215.726 χ^2/NDF: 96.1/98

- sign 79.347+/-305.870 χ^2/NDF: 45.4/50

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: 1689.459+/-0.331 χ^2/NDF: 526096.4/27

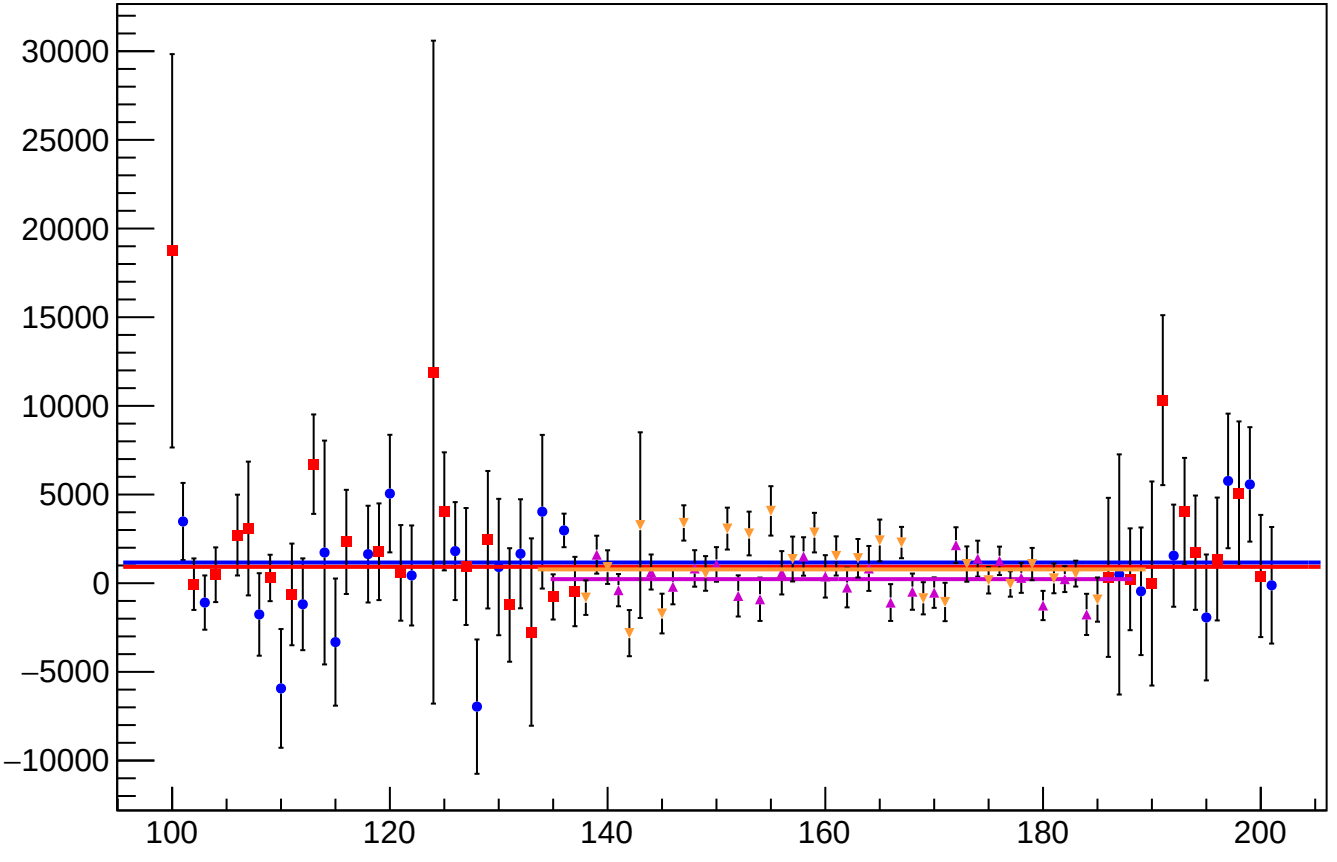
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1705.458+/-0.215 χ^2/NDF: 580839.3/47

All: 1708.459+/-0.153 χ^2/NDF: 1215287.6/98

- sign 1711.490+/-0.216 χ^2/NDF: 634057.4/50

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: 921.967+/-480.710 χ^2/NDF: 19.9/27

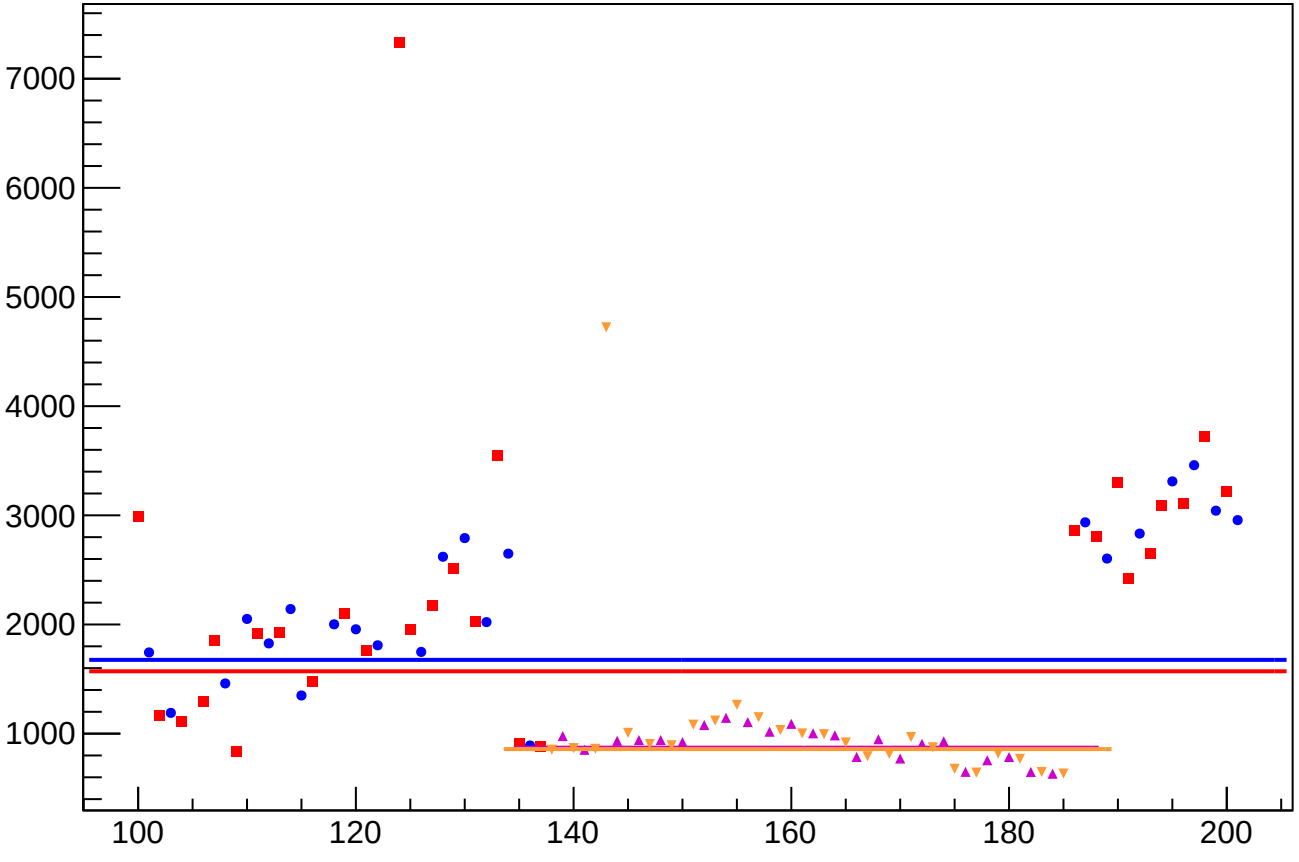
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 828.675+/-188.270 χ^2/NDF: 81.5/47

All: 584.961+/-133.697 χ^2/NDF: 129.2/98

- sign 337.029+/-189.892 χ^2/NDF: 44.3/50

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: 1571.262+/-0.340 χ^2/NDF: 5585756.4/27

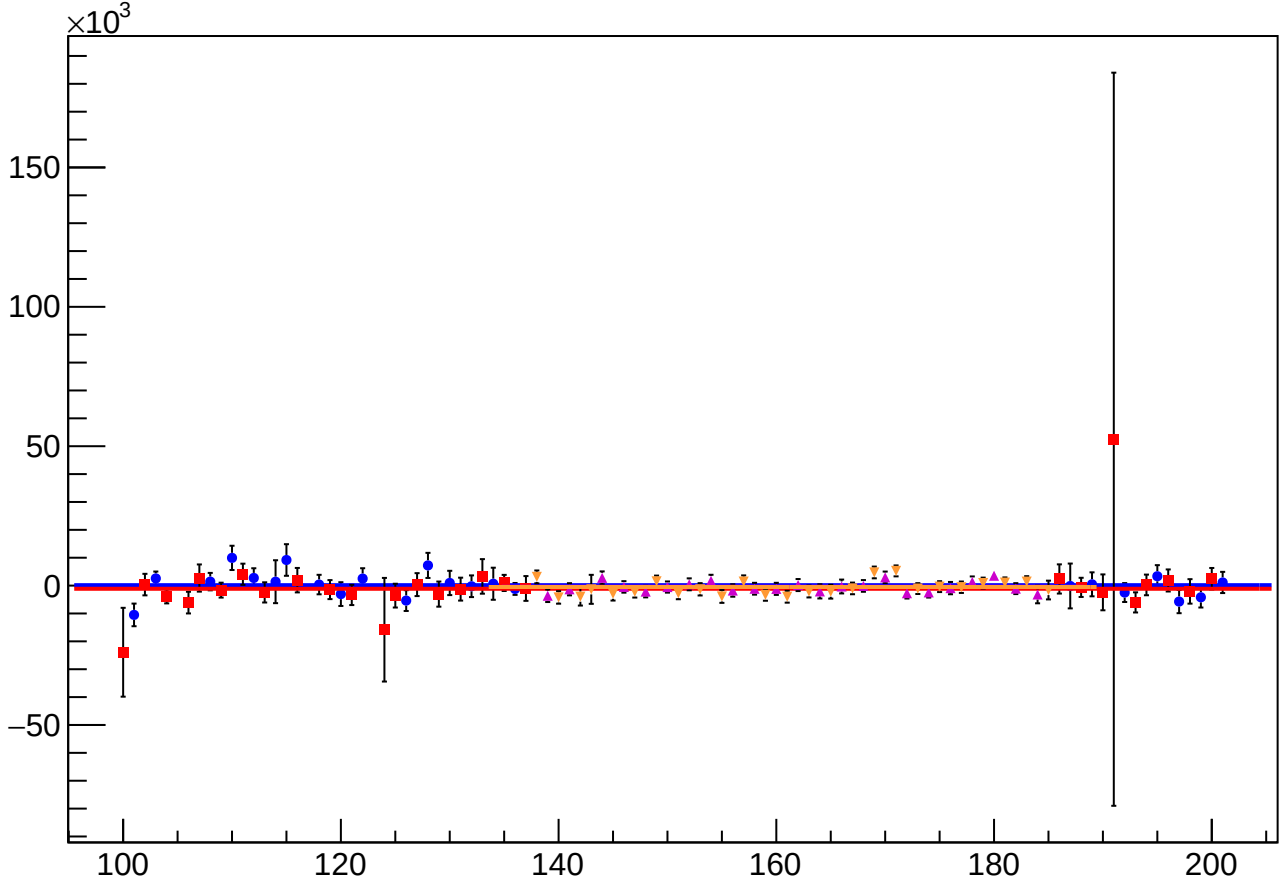
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 963.394+/-0.133 χ^2/NDF: 10669238.8/47

All: 971.980+/-0.095 χ^2/NDF: 20819204.0/98

- sign 980.715+/-0.134 χ^2/NDF: 10141572.9/50

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: -1141.171+/-758.418 χ^2/NDF: 15.0/27

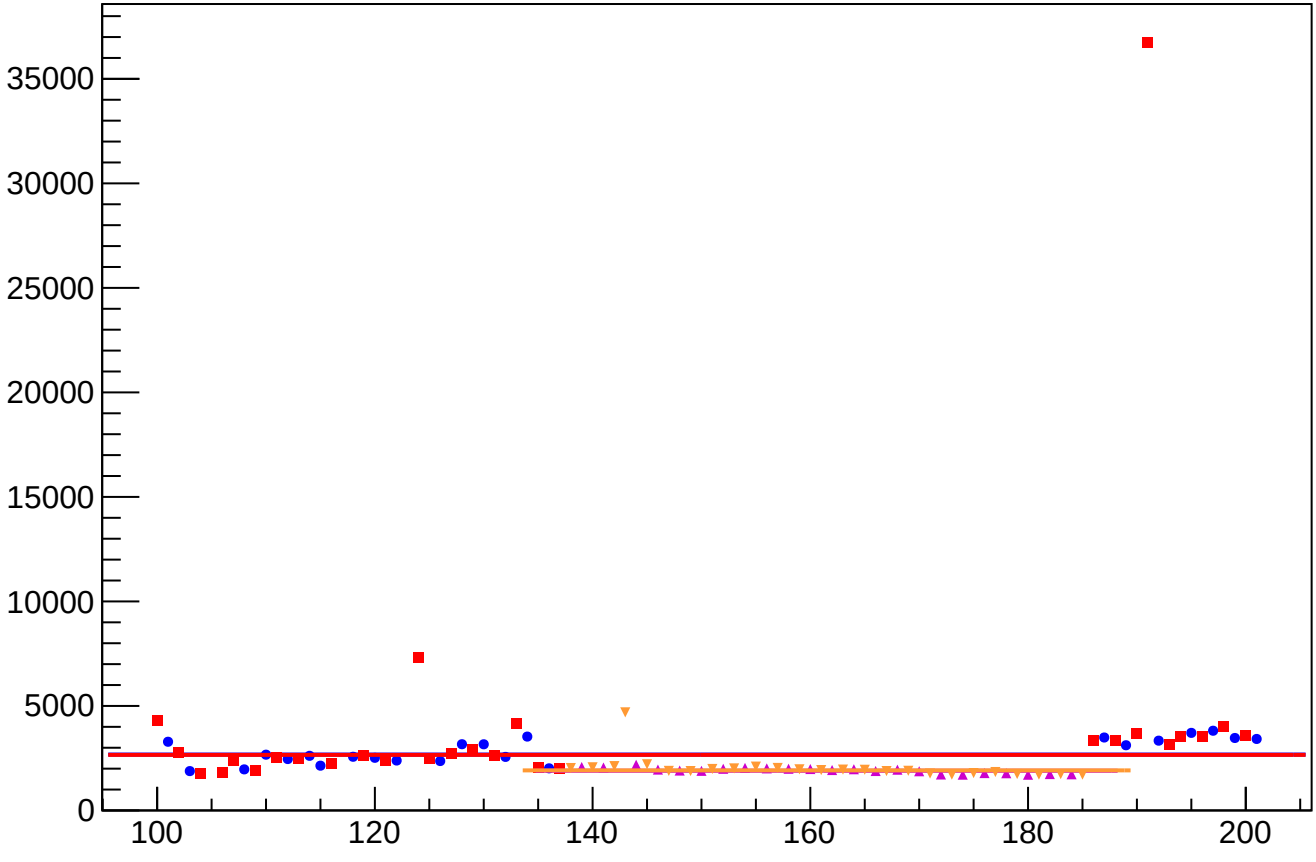
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -343.947+/-383.579 χ^2/NDF: 63.5/47

All: -470.974+/-271.216 χ^2/NDF: 98.2/98

- sign -597.973+/-383.536 χ^2/NDF: 34.6/50

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: 2659.118+/-0.536 χ^2/NDF: 1840589.7/27

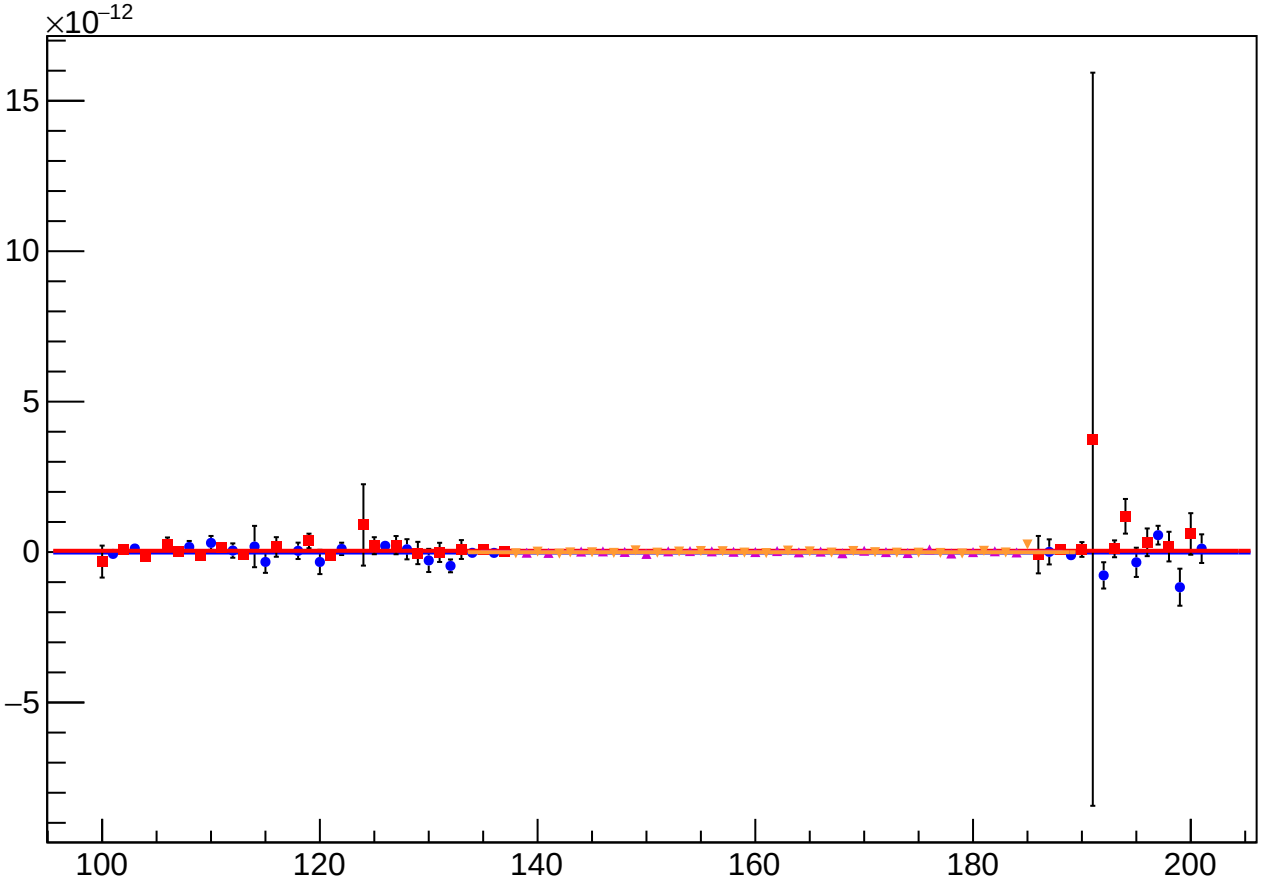
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2098.676+/-0.271 χ^2/NDF: 3446423.0/47

All: 2096.125+/-0.192 χ^2/NDF: 6954819.3/98

- sign 2093.575+/-0.271 χ^2/NDF: 3508219.4/50

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: 20.8/27

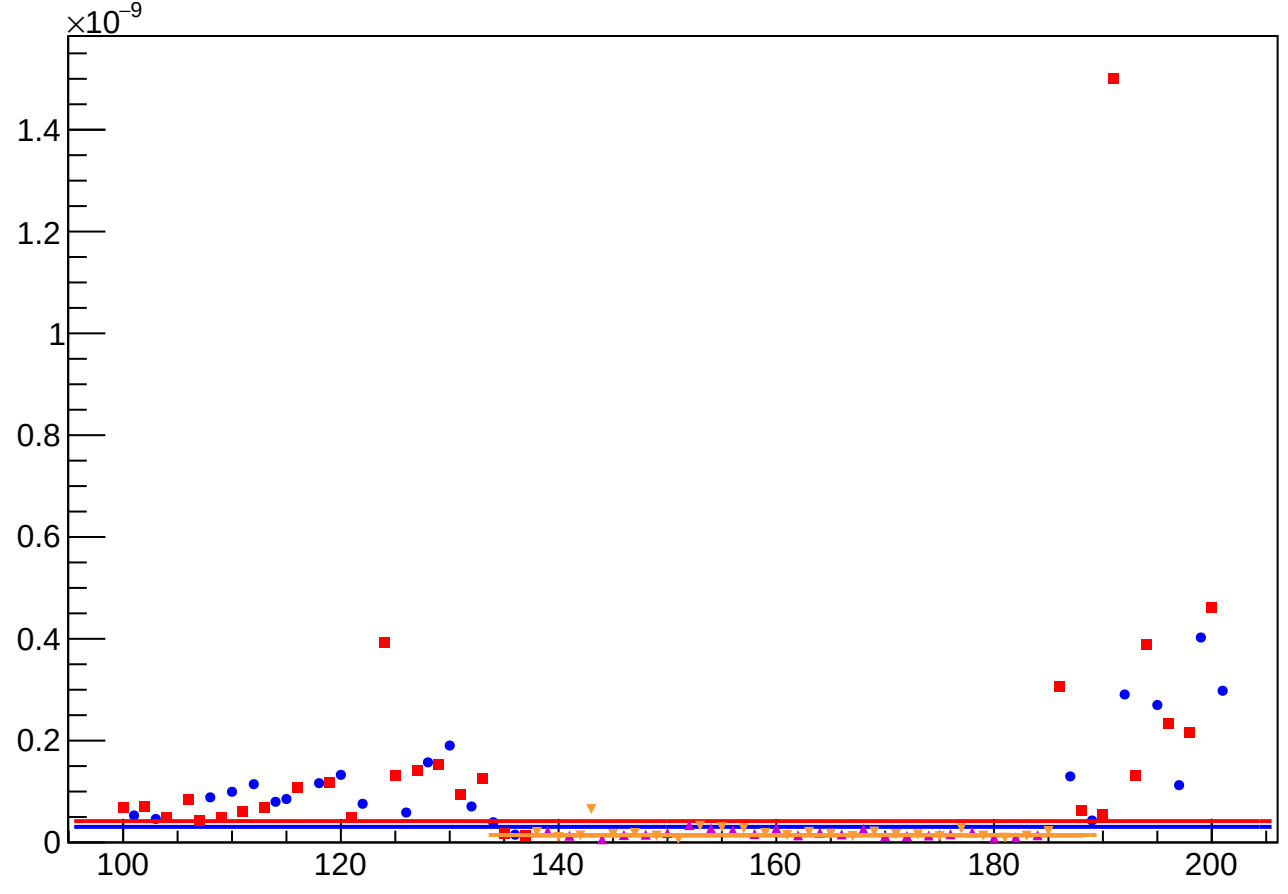
Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/47

All: 0.000+/-0.000 χ^2/NDF: 105.5/98

- sign 0.000+/-0.000 χ^2/NDF: 47.5/50

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



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: 5237189.8/27

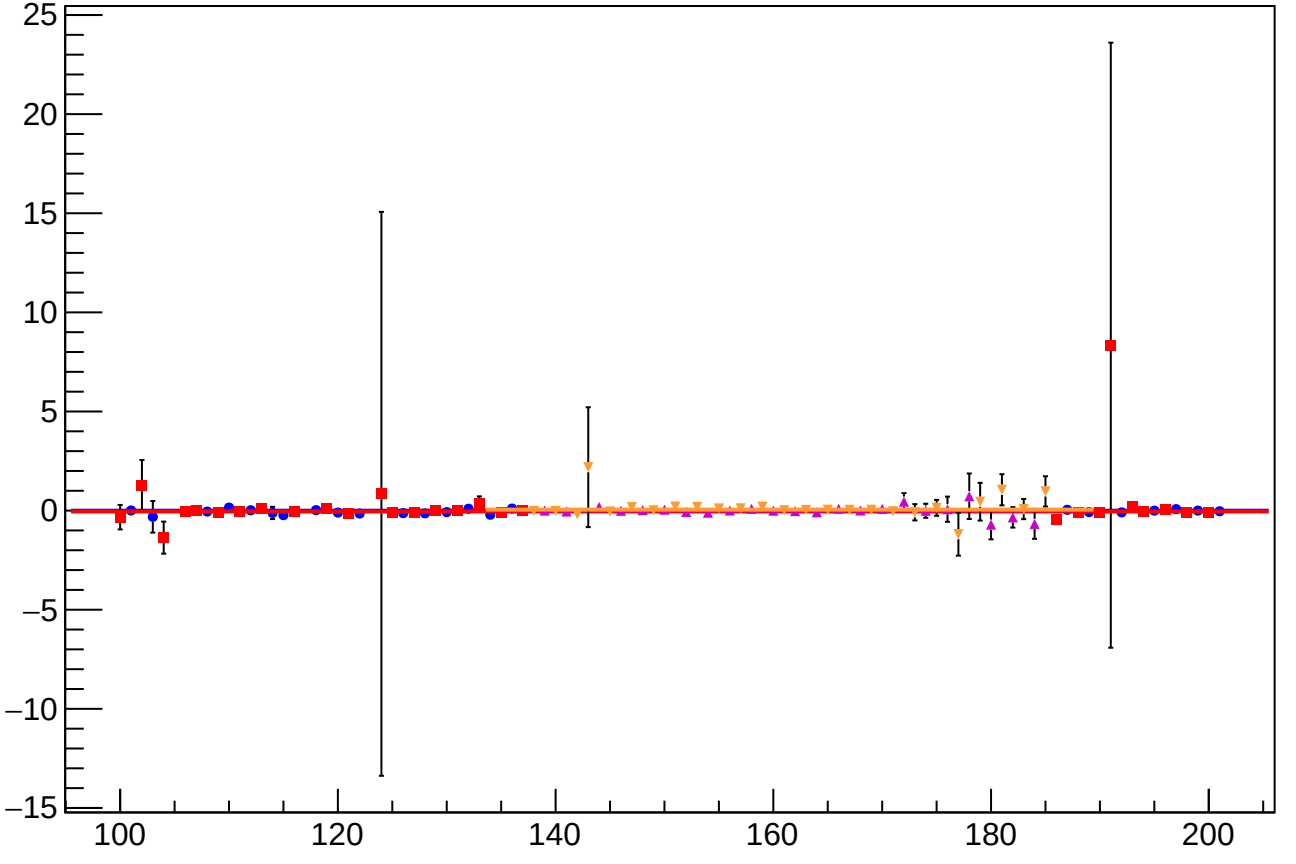
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8477552.7/47

All: 0.000+/-0.000 χ^2/NDF: 17731271.5/98

- sign 0.000+/-0.000 χ^2/NDF: 9247496.8/50

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: -0.042+/-0.021 χ^2/NDF: 22.9/27

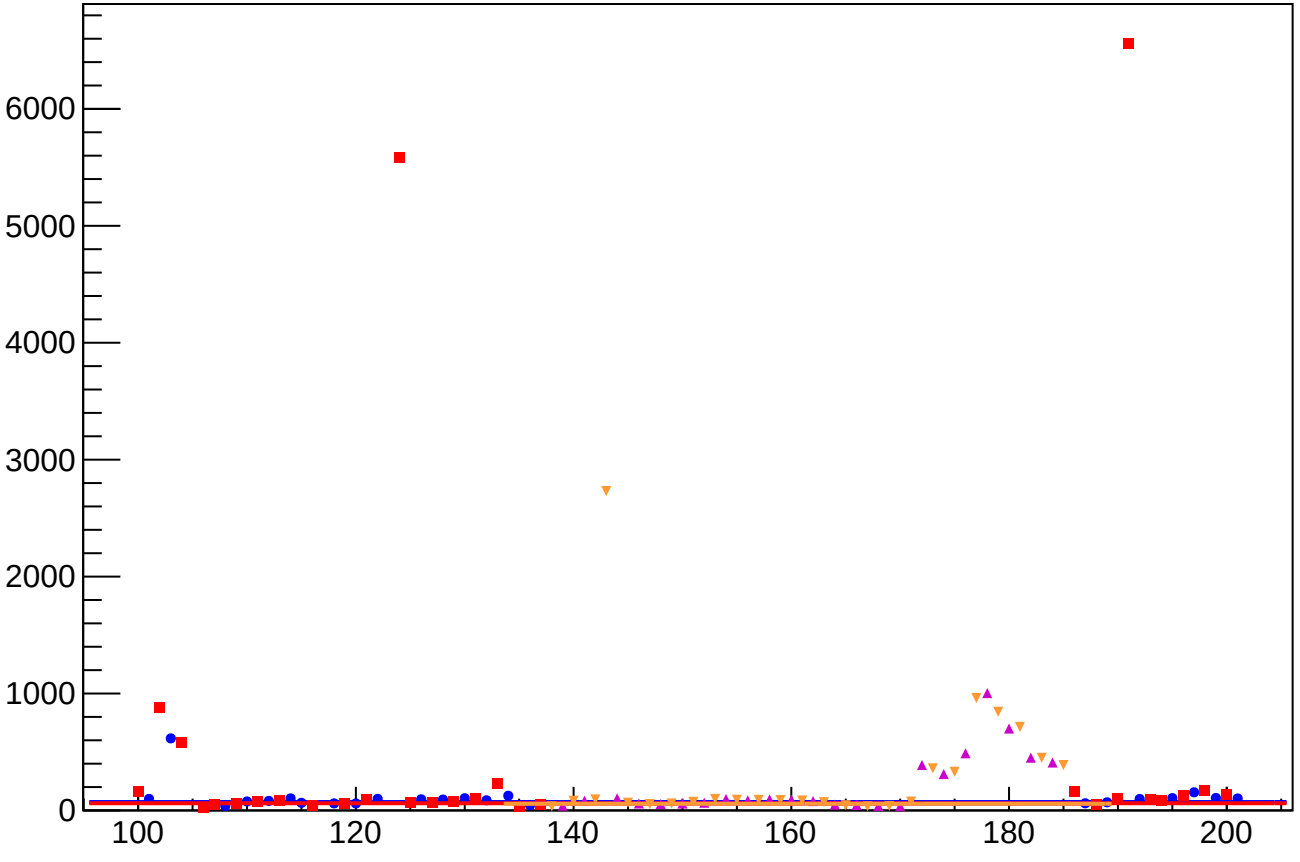
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.031+/-0.014 χ^2/NDF: 42.9/47

All: 0.012+/-0.010 χ^2/NDF: 89.9/98

- sign -0.006+/-0.013 χ^2/NDF: 43.4/50

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: 61.619+/-0.015 χ^2/NDF: 6764263.0/27

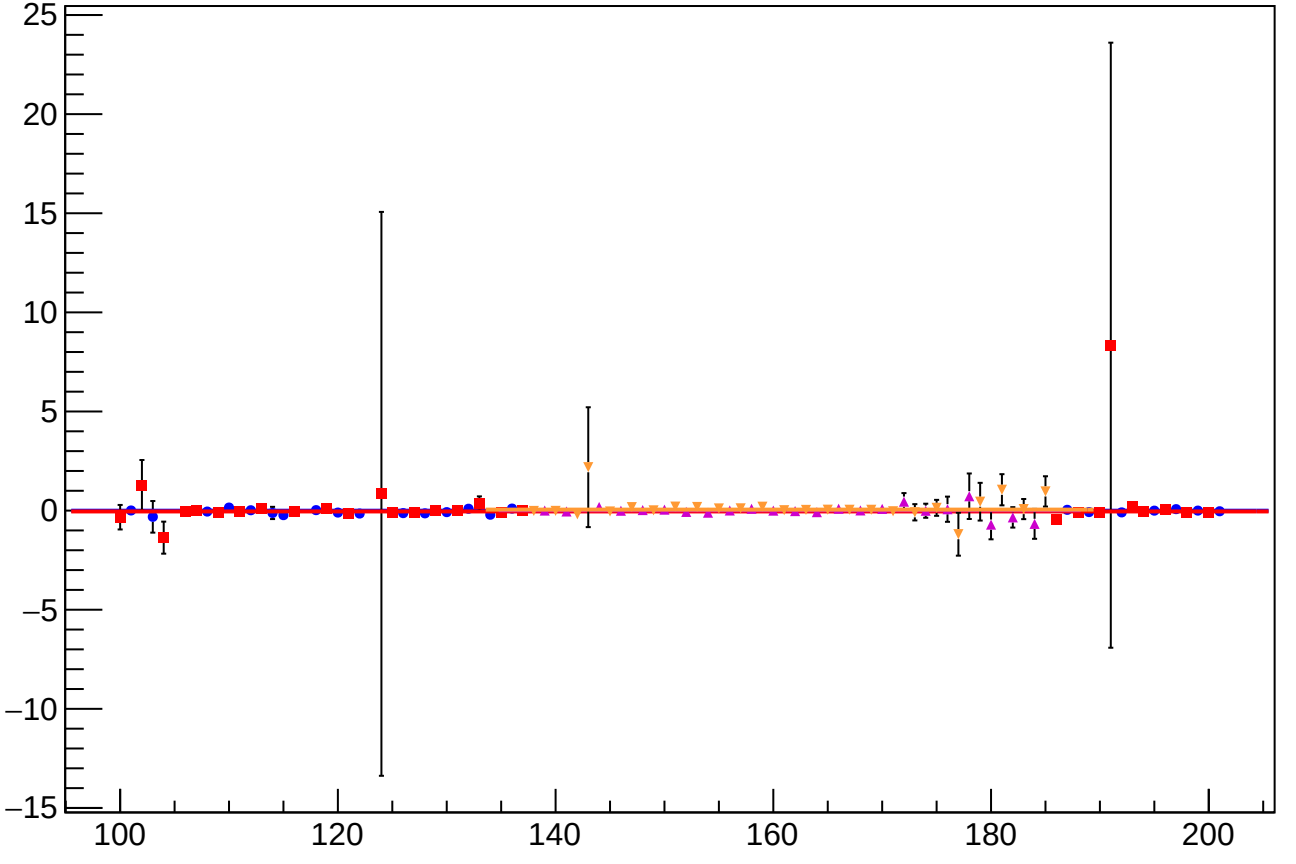
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 62.345+/-0.010 χ^2/NDF: 16513286.2/47

All: 61.026+/-0.007 χ^2/NDF: 33586001.9/98

- sign 59.807+/-0.009 χ^2/NDF: 17037342.7/50

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: -0.042+/-0.021 χ^2/NDF: 22.9/27

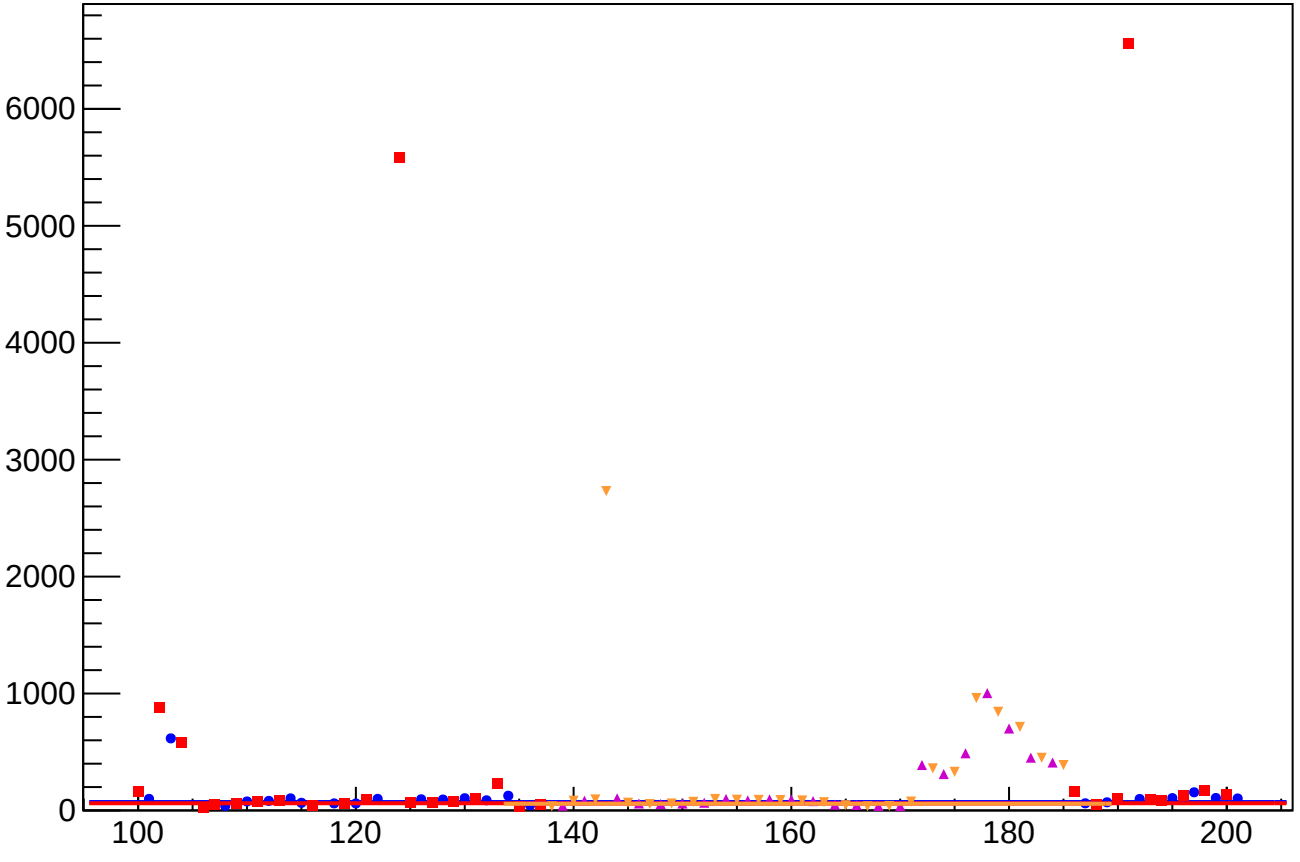
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.031+/-0.014 χ^2/NDF: 42.9/47

All: 0.012+/-0.010 χ^2/NDF: 89.9/98

- sign -0.006+/-0.013 χ^2/NDF: 43.4/50

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

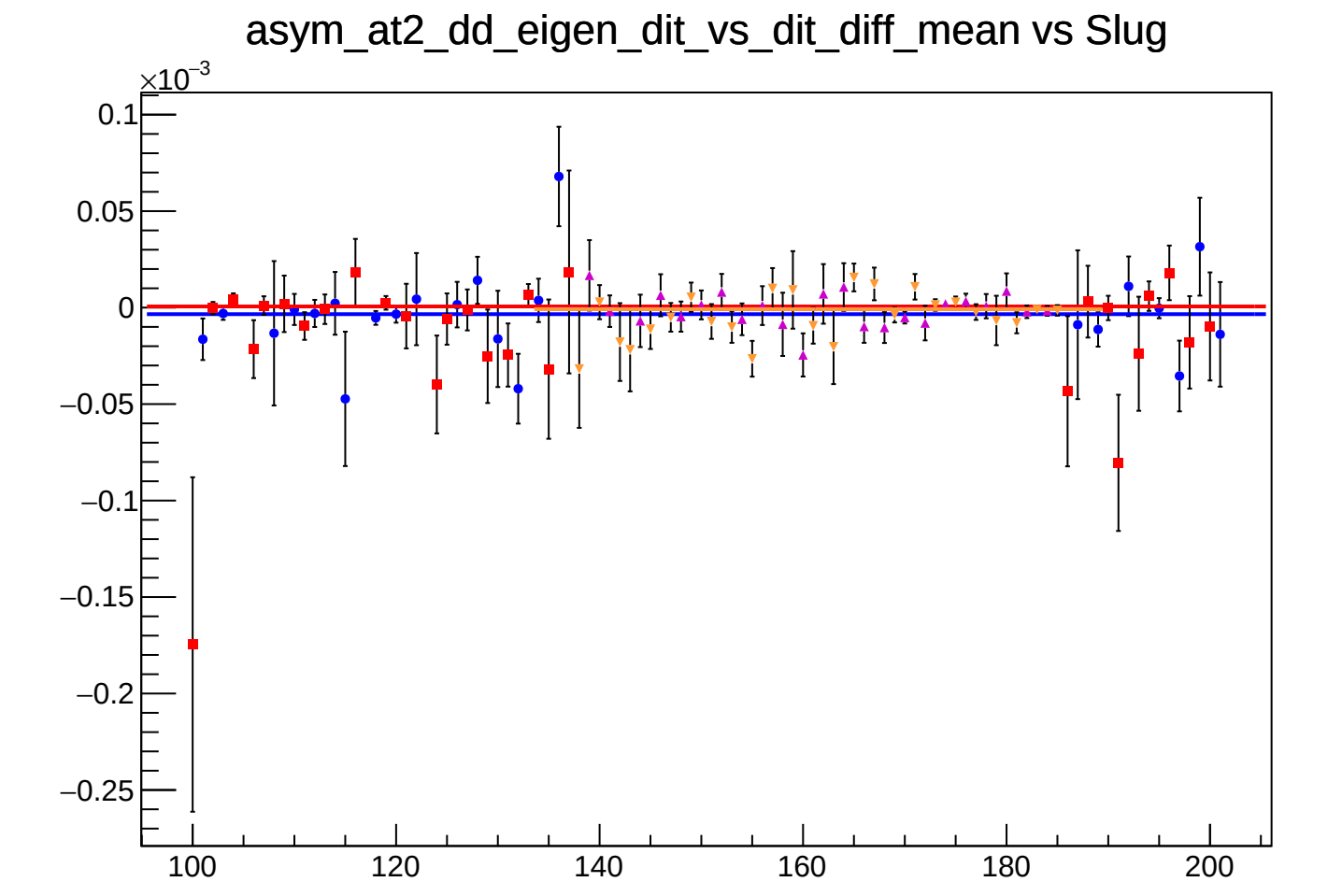
Right Out: 61.619+/-0.015 χ^2/NDF: 6764263.0/27

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 62.345+/-0.010 χ^2/NDF: 16513286.2/47

All: 61.026+/-0.007 χ^2/NDF: 33586001.9/98

- sign 59.807+/-0.009 χ^2/NDF: 17037342.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

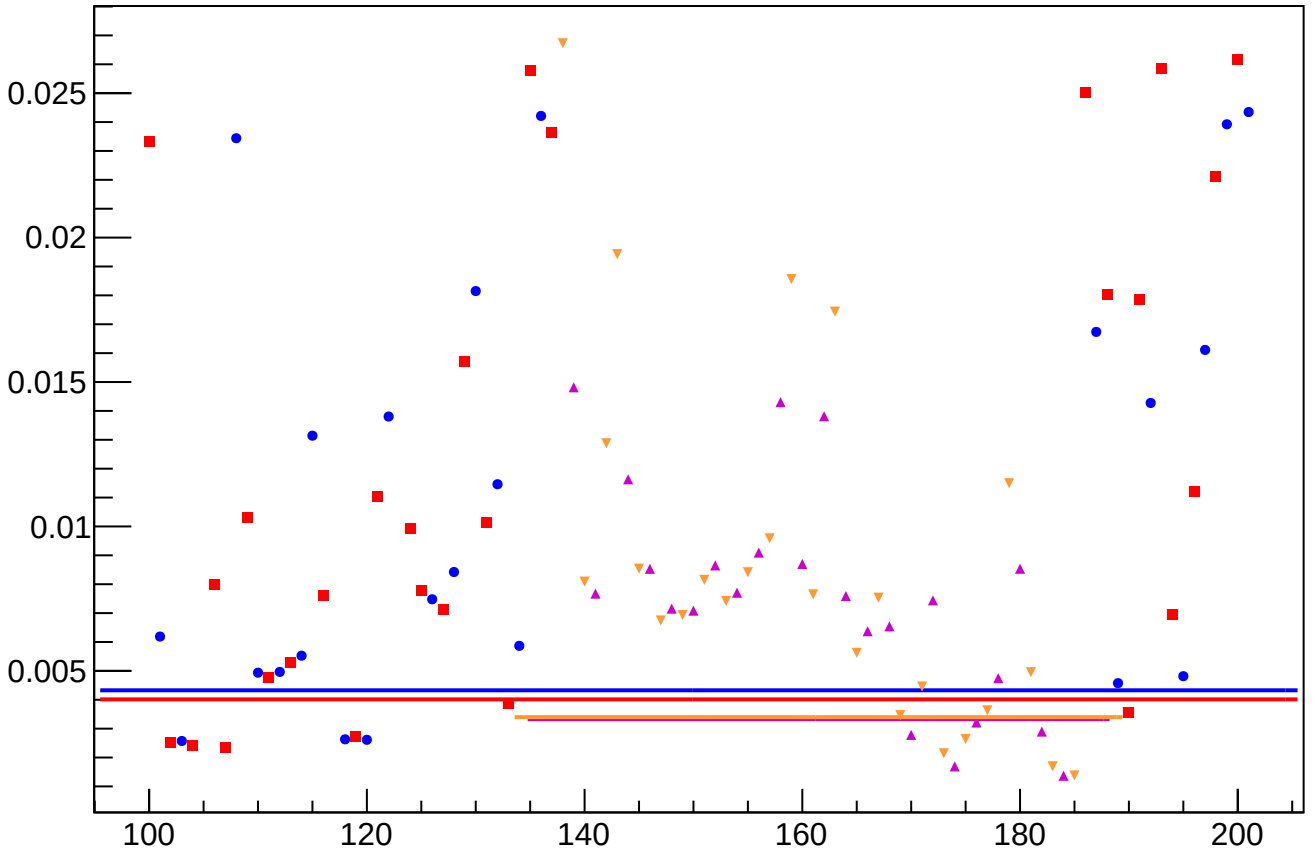
Right Out: 0.000+/-0.000 χ^2/NDF: 29.2/27

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.6/47

All: -0.000+/-0.000 χ^2/NDF: 110.2/98

- sign -0.000+/-0.000 χ^2/NDF: 48.5/50



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: 11072855.4/27

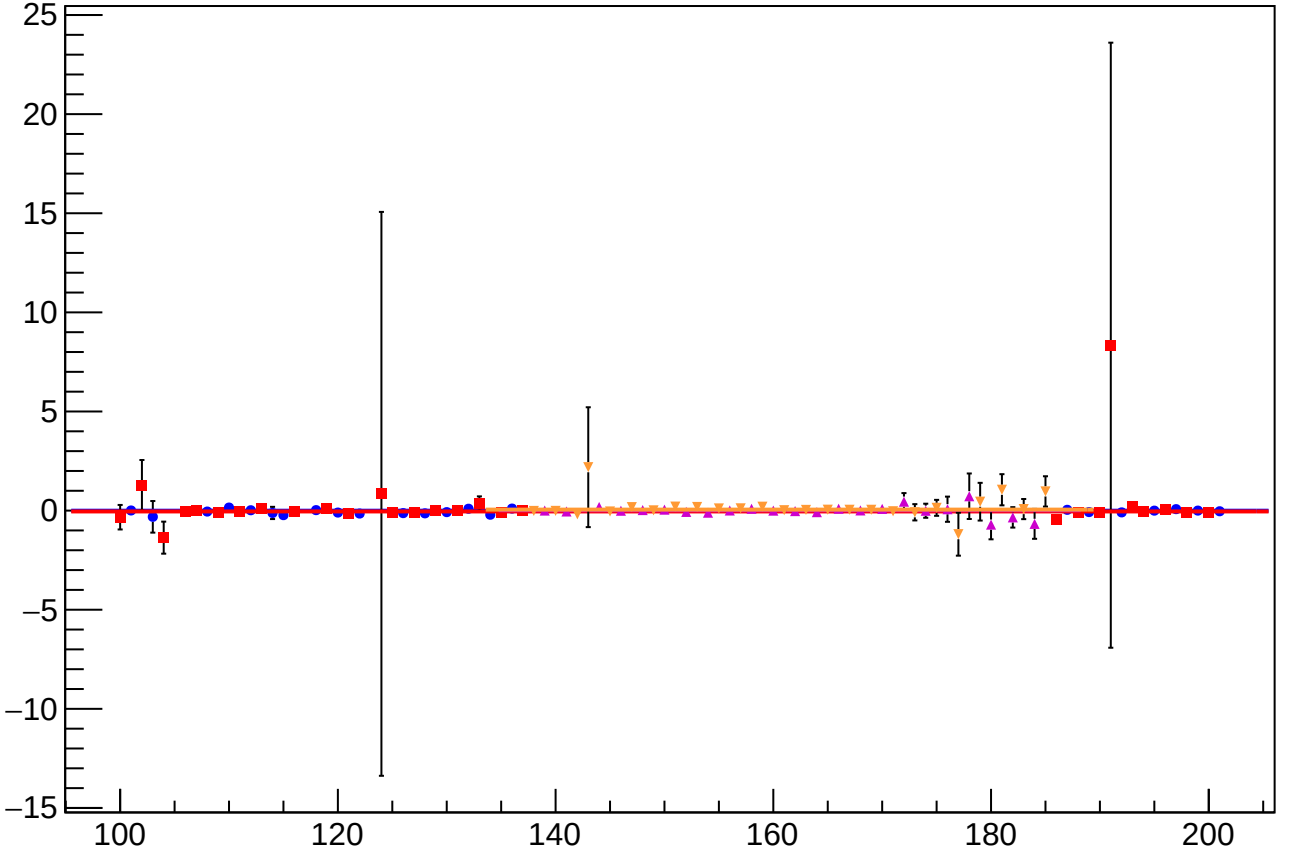
Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 23766093.4/47

All: 0.004+/-0.000 χ^2/NDF: 47710359.9/98

- sign 0.004+/-0.000 χ^2/NDF: 23933150.5/50

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: -0.042+/-0.021 χ^2/NDF: 22.9/27

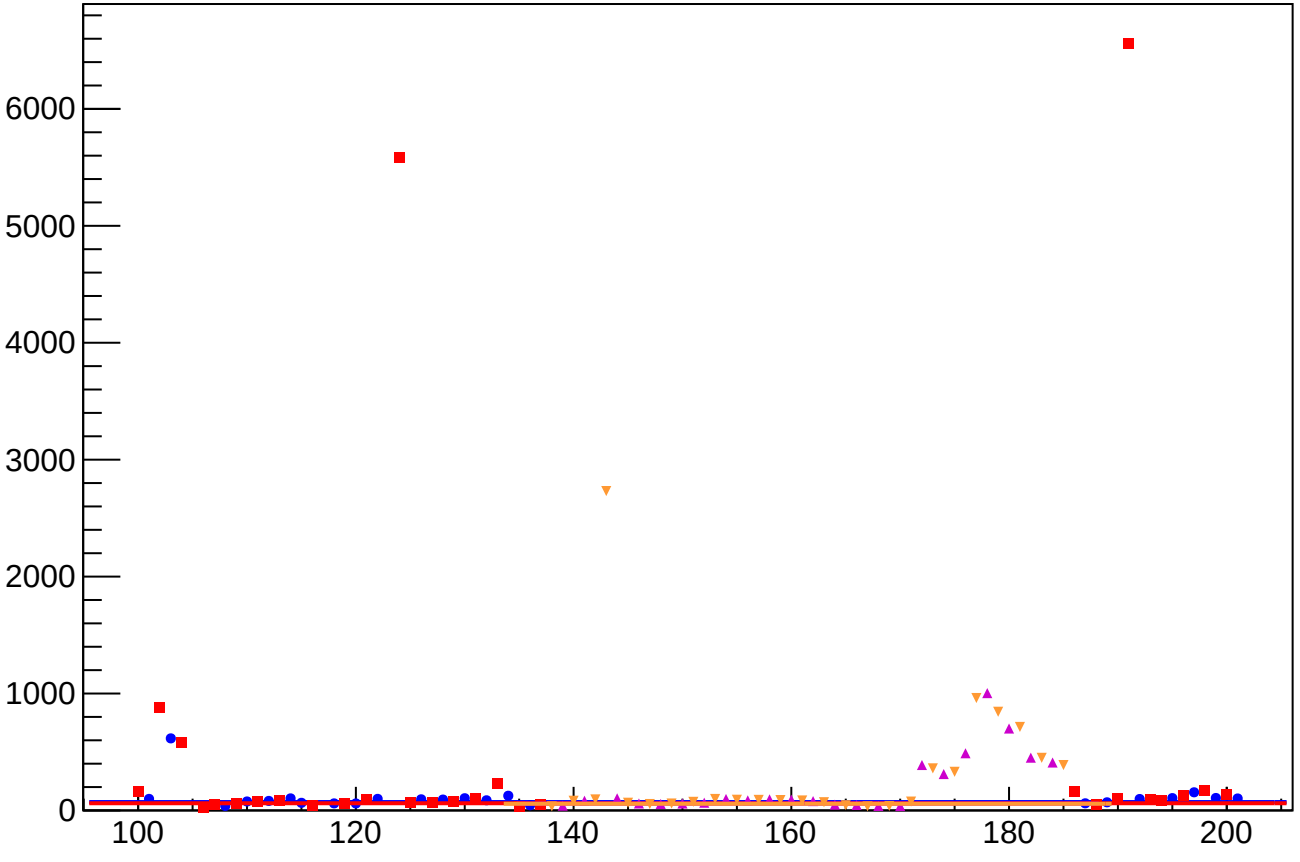
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.031+/-0.014 χ^2/NDF: 42.9/47

All: 0.012+/-0.010 χ^2/NDF: 89.9/98

- sign -0.006+/-0.013 χ^2/NDF: 43.4/50

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: 61.614+/-0.015 χ^2/NDF: 6765263.2/27

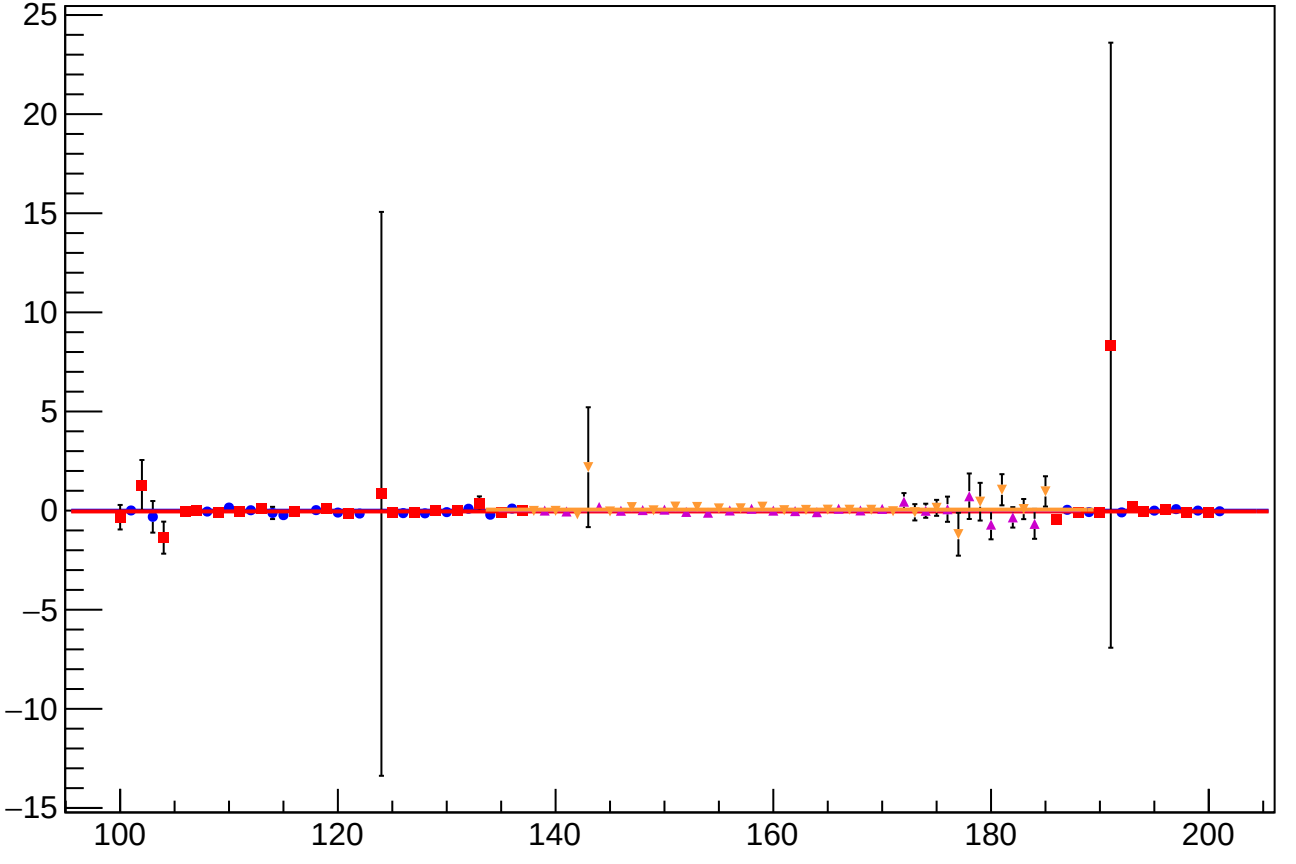
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 62.346+/-0.010 χ^2/NDF: 16512251.3/47

All: 61.027+/-0.007 χ^2/NDF: 33585389.0/98

- sign 59.807+/-0.009 χ^2/NDF: 17037713.5/50

asym_at2_dd_eigen_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: -0.042+/-0.021 χ^2/NDF: 22.9/27

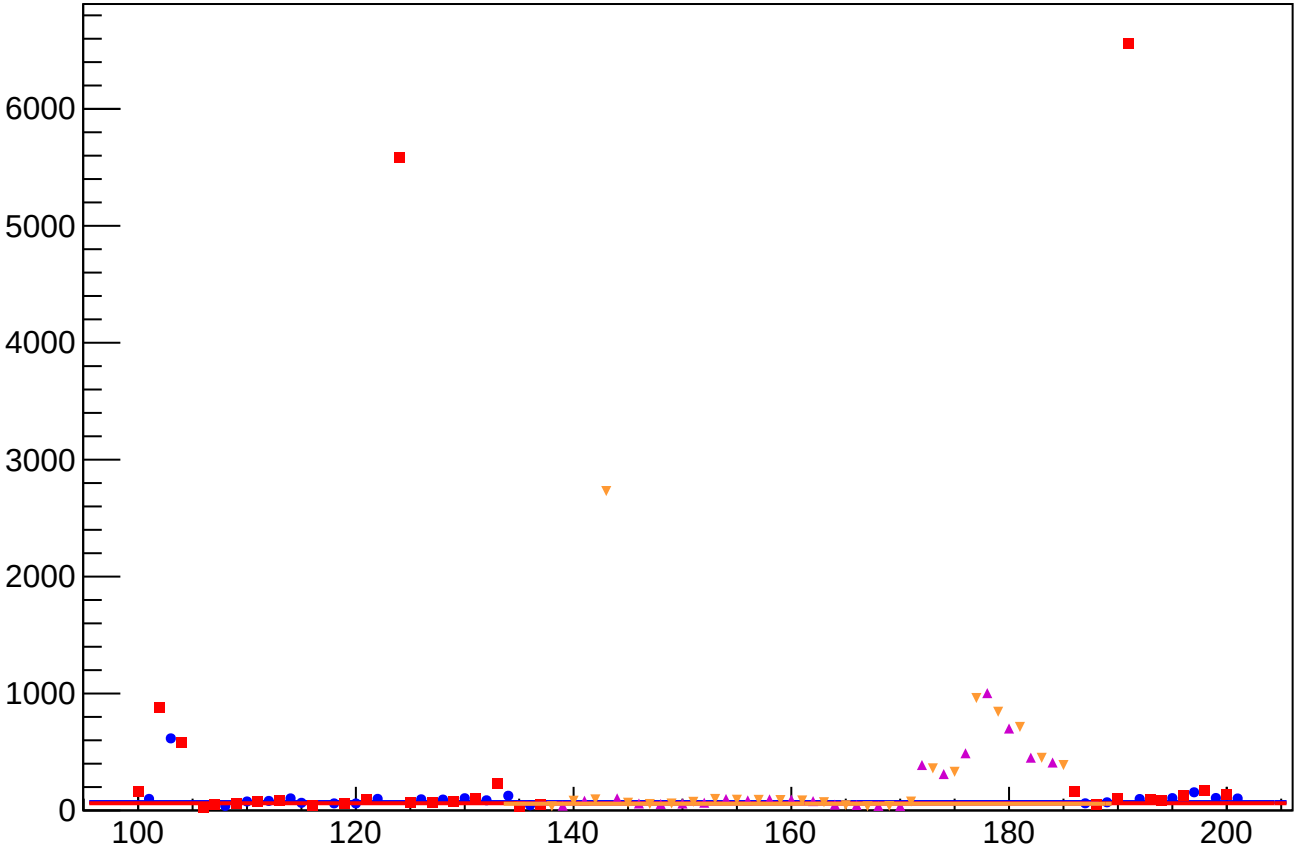
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.031+/-0.014 χ^2/NDF: 42.9/47

All: 0.012+/-0.010 χ^2/NDF: 89.9/98

- sign -0.006+/-0.013 χ^2/NDF: 43.4/50

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: 61.614+/-0.015 χ^2/NDF: 6765263.2/27

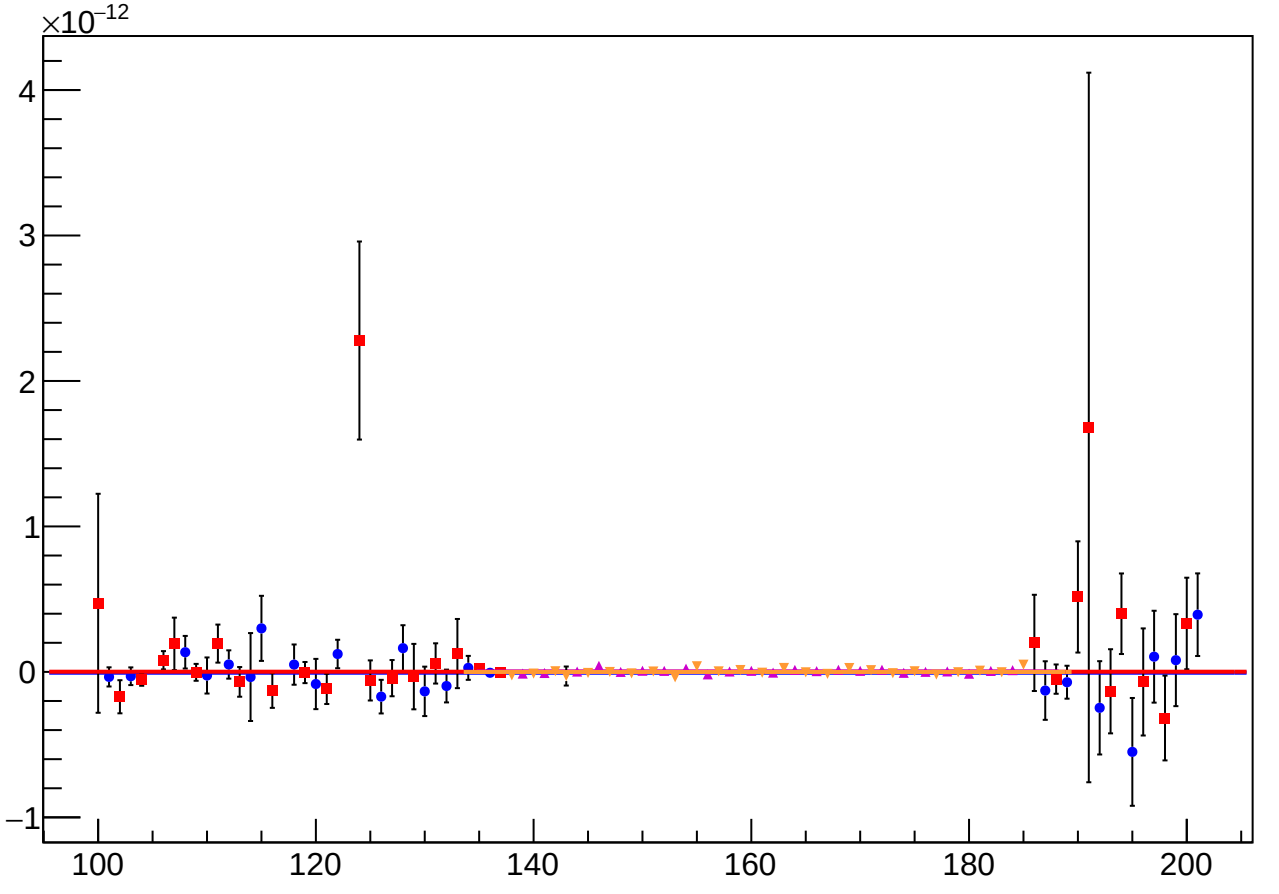
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 62.346+/-0.010 χ^2/NDF: 16512251.3/47

All: 61.027+/-0.007 χ^2/NDF: 33585389.0/98

- sign 59.807+/-0.009 χ^2/NDF: 17037713.5/50

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: 32.6/27

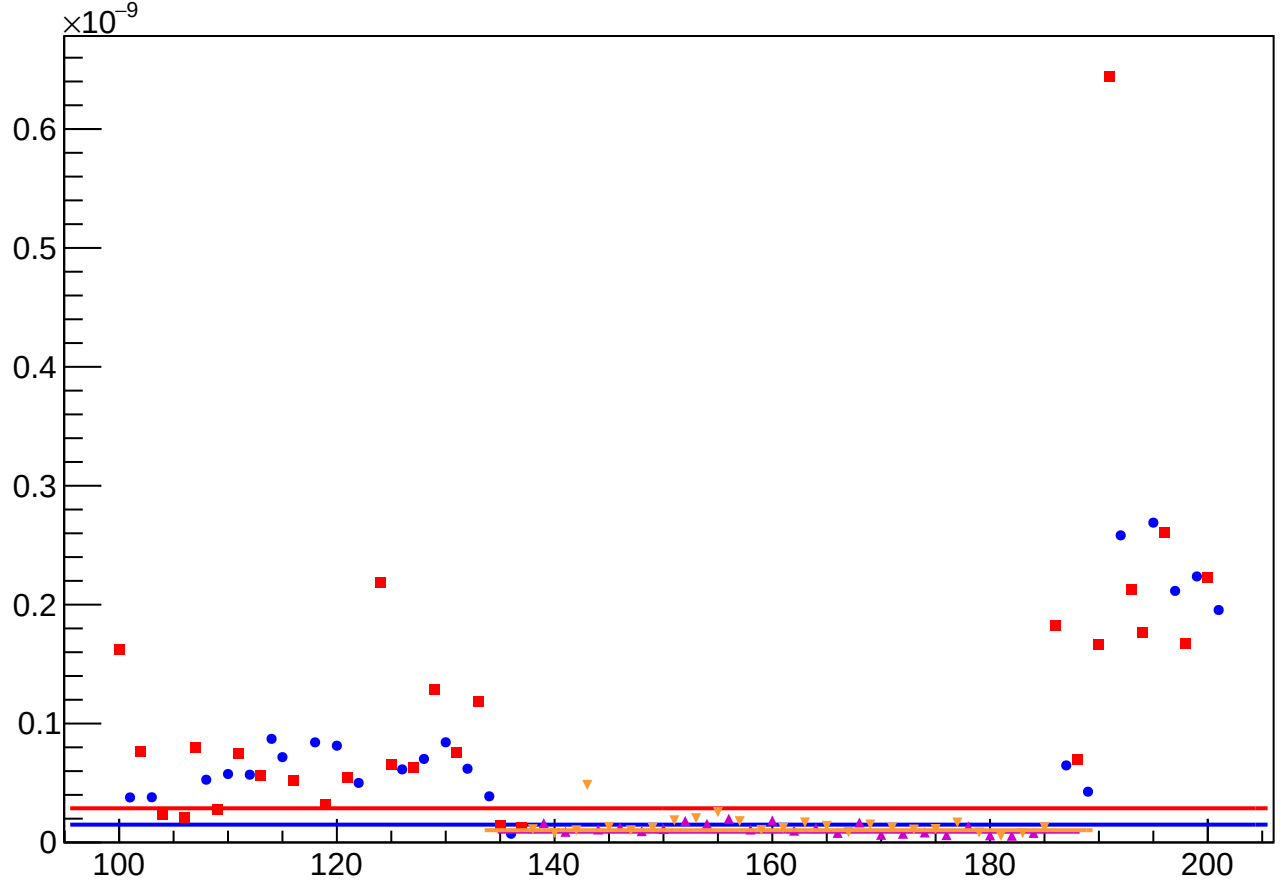
Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/47

All: 0.000+/-0.000 χ^2/NDF: 84.4/98

- sign 0.000+/-0.000 χ^2/NDF: 48.0/50

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9821791.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8233879.1/27

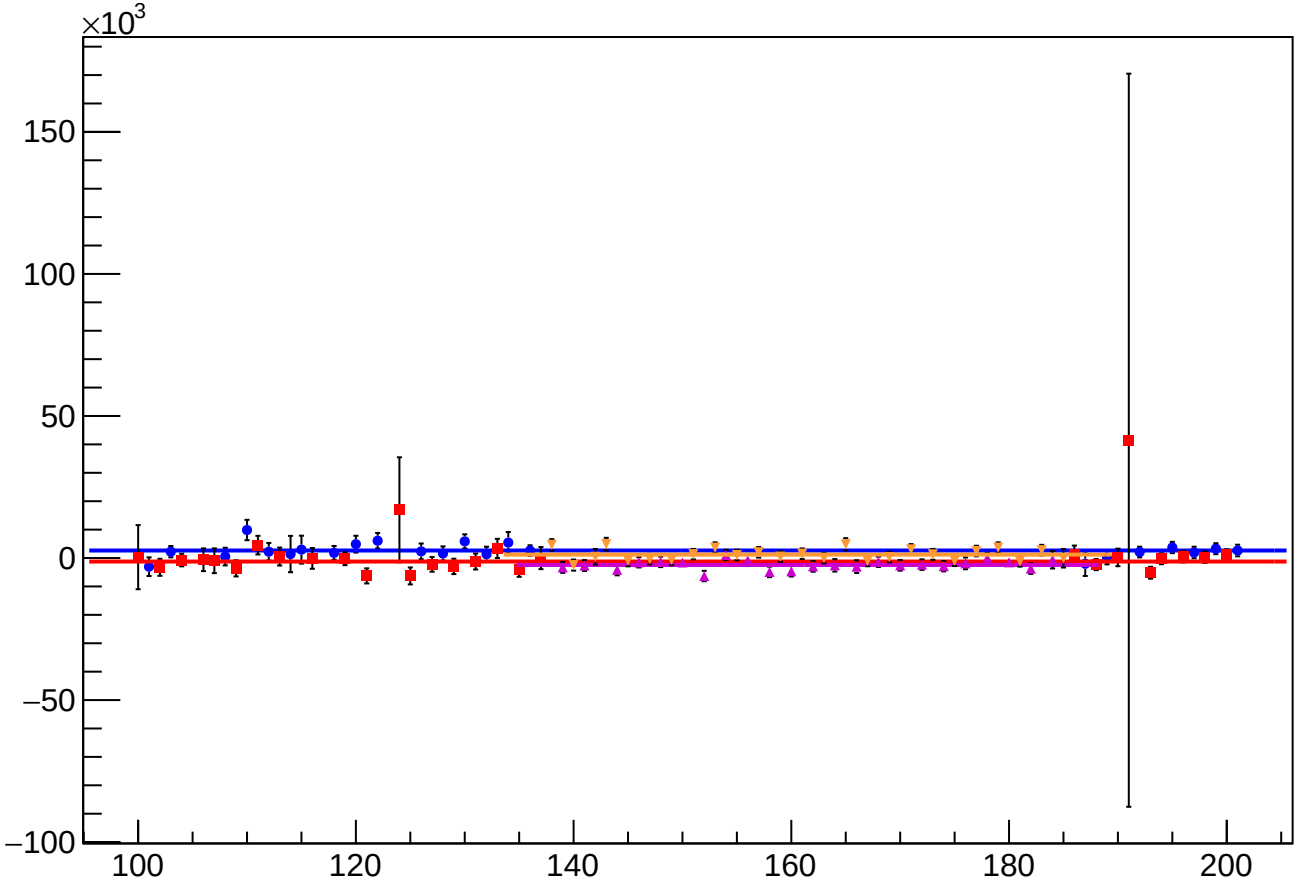
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13850563.3/47

All: 0.000+/-0.000 χ^2/NDF: 28675945.2/98

- sign 0.000+/-0.000 χ^2/NDF: 14713322.6/50

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: -1237.515+/-518.087 χ^2/NDF: 24.2/27

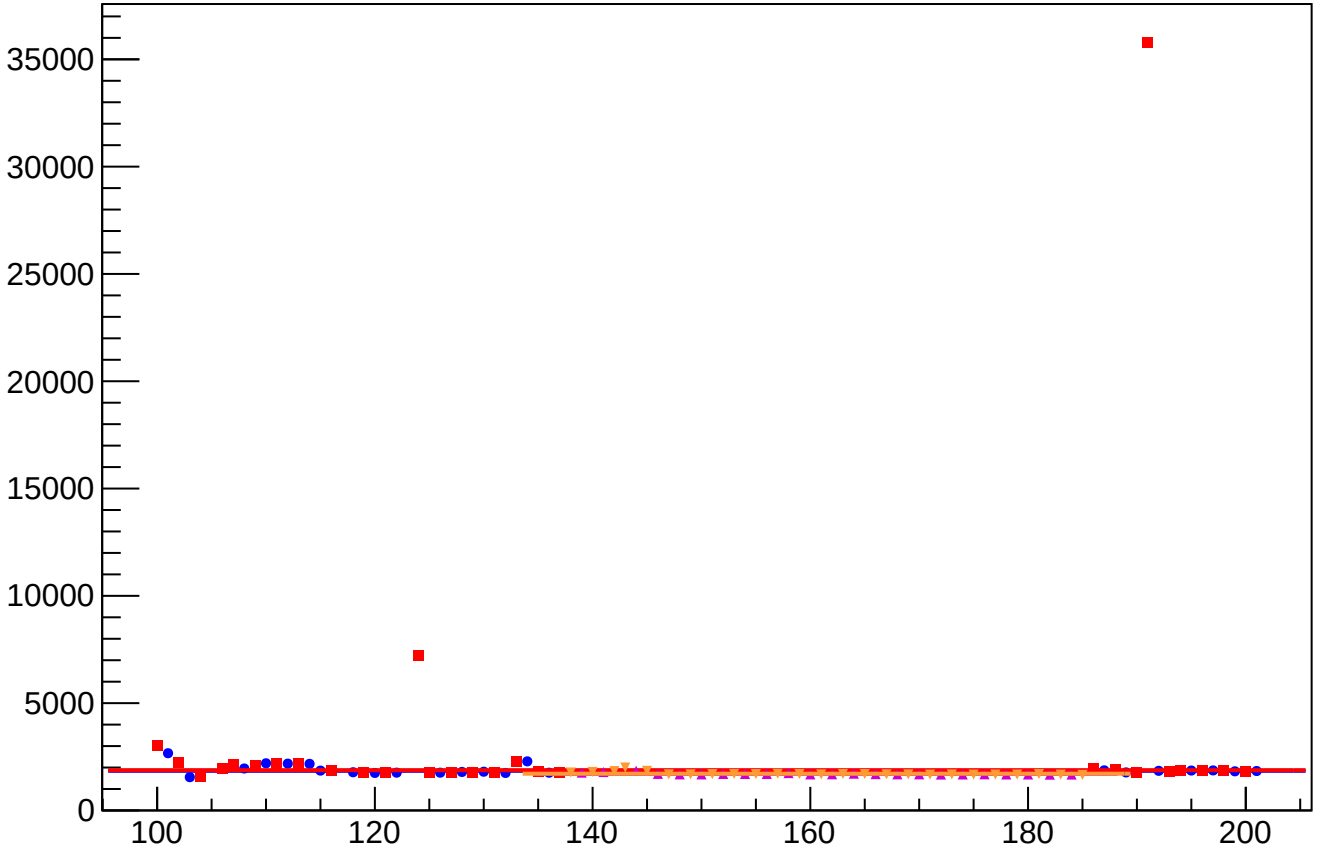
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1710.692+/-313.346 χ^2/NDF: 46.5/47

All: -127.929+/-222.363 χ^2/NDF: 160.9/98

- sign -1993.145+/-315.604 χ^2/NDF: 45.0/50

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: 1875.672+/-0.366 χ^2/NDF: 518063.5/27

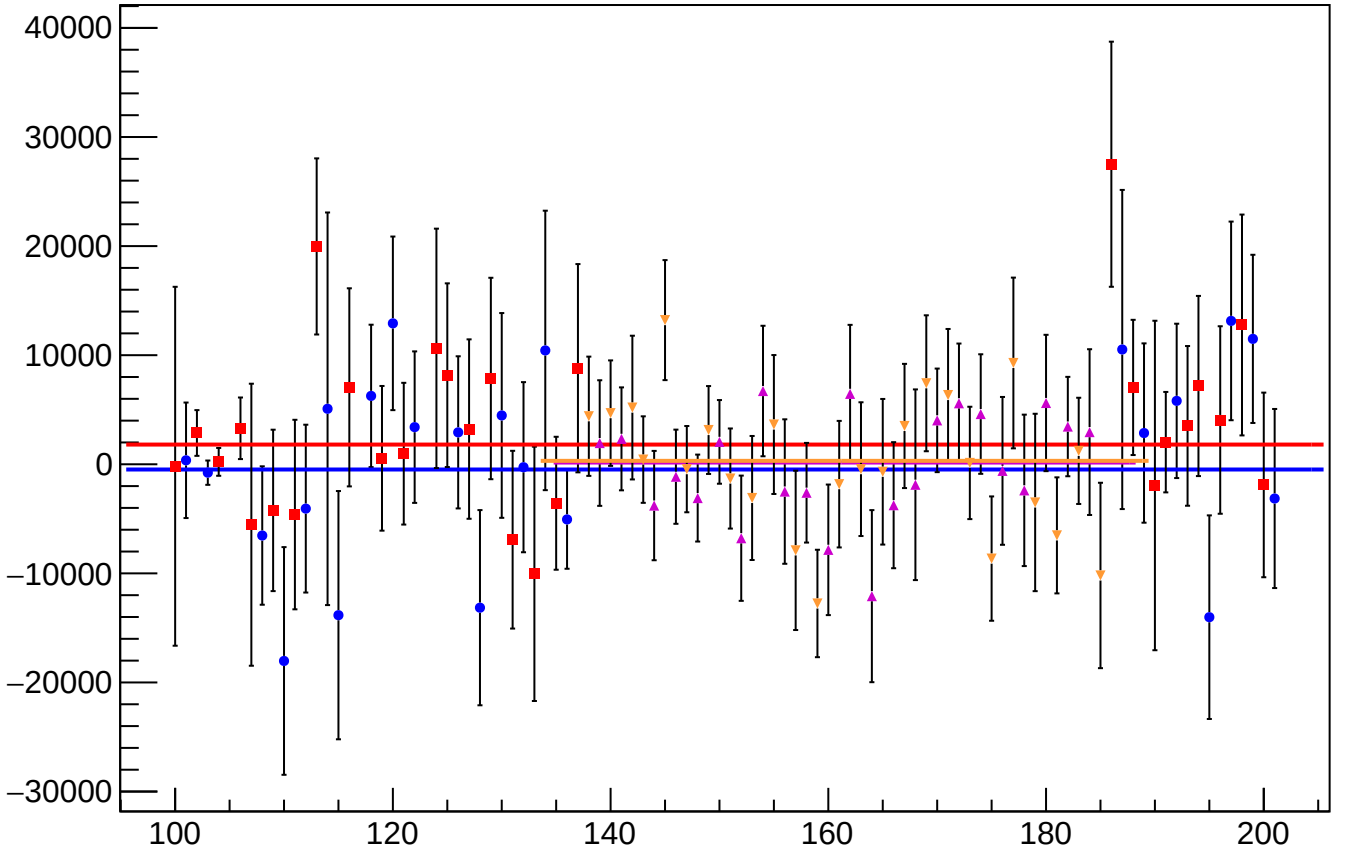
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1759.638+/-0.222 χ^2/NDF: 412161.5/47

All: 1763.685+/-0.157 χ^2/NDF: 1091838.0/98

- sign 1767.787+/-0.223 χ^2/NDF: 679004.8/50

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: 1806.516+/-861.261 χ^2/NDF: 22.2/27

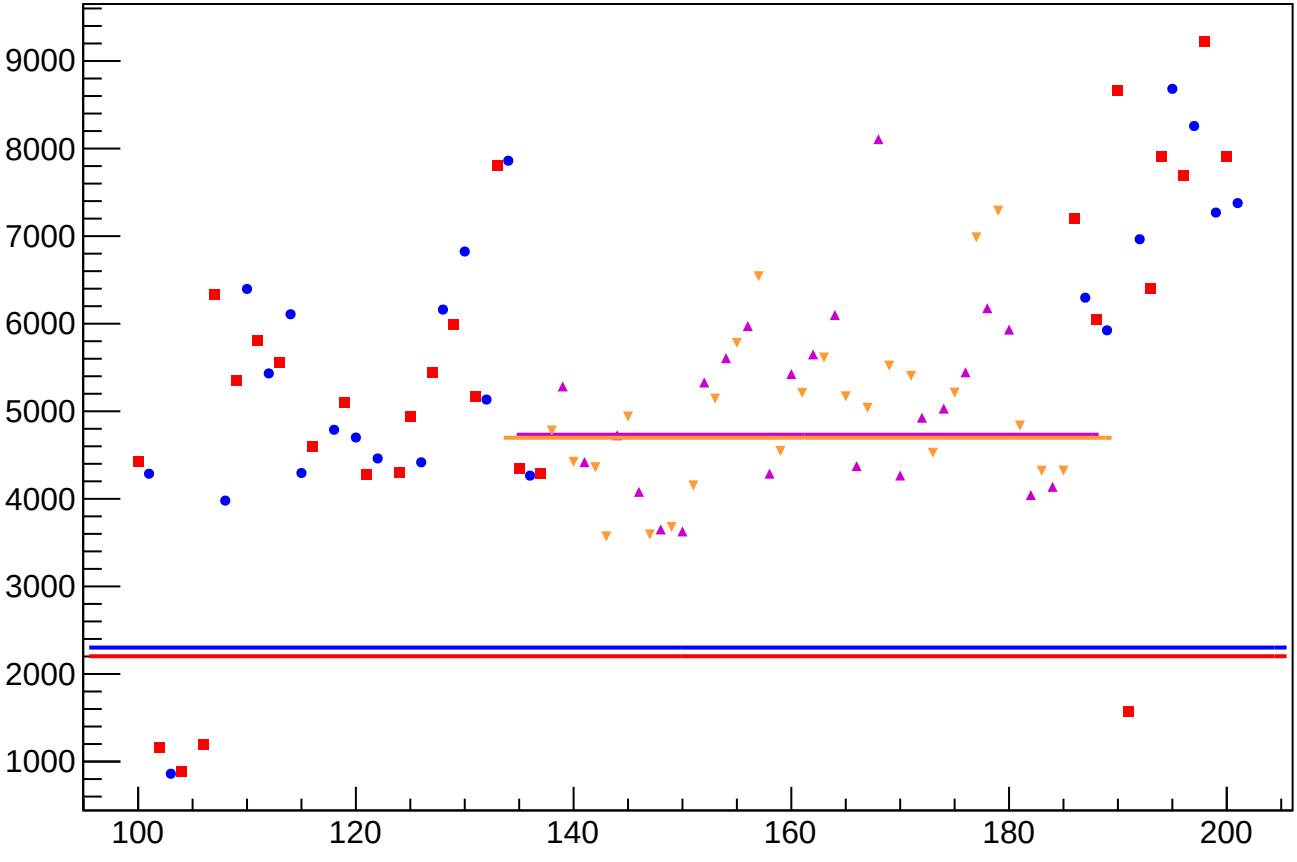
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -148.622+/-705.028 χ^2/NDF: 49.7/47

All: 545.315+/-491.162 χ^2/NDF: 89.8/98

- sign 1199.692+/-684.637 χ^2/NDF: 38.2/50

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: 2202.608+/-0.609 χ^2/NDF: 12761377.2/27

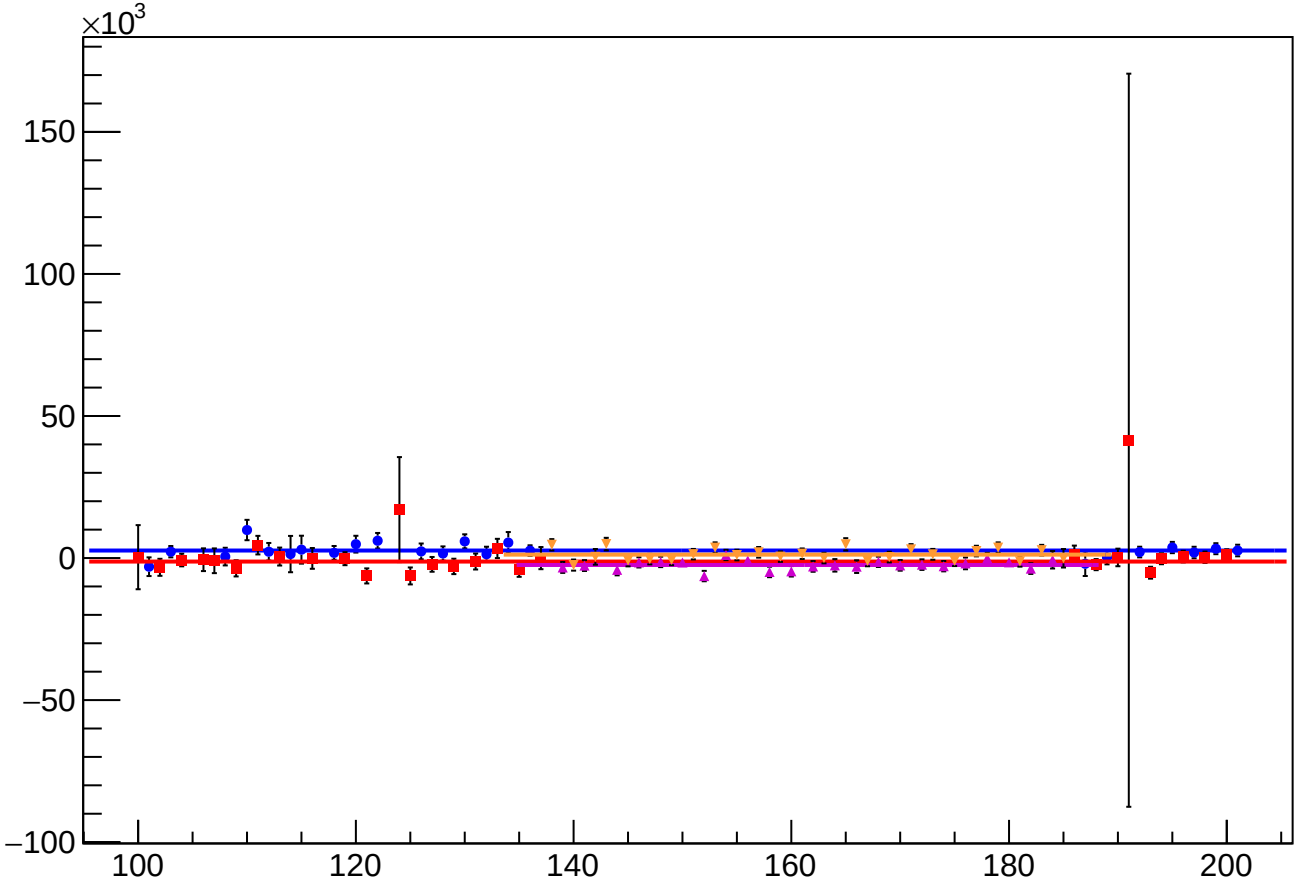
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3300.480+/-0.499 χ^2/NDF: 18904941.2/47

All: 3214.707+/-0.347 χ^2/NDF: 39318469.3/9

- sign 3133.823+/-0.484 χ^2/NDF: 20356011.4/50

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: -1236.820+/-518.088 χ^2/NDF: 24.2/27

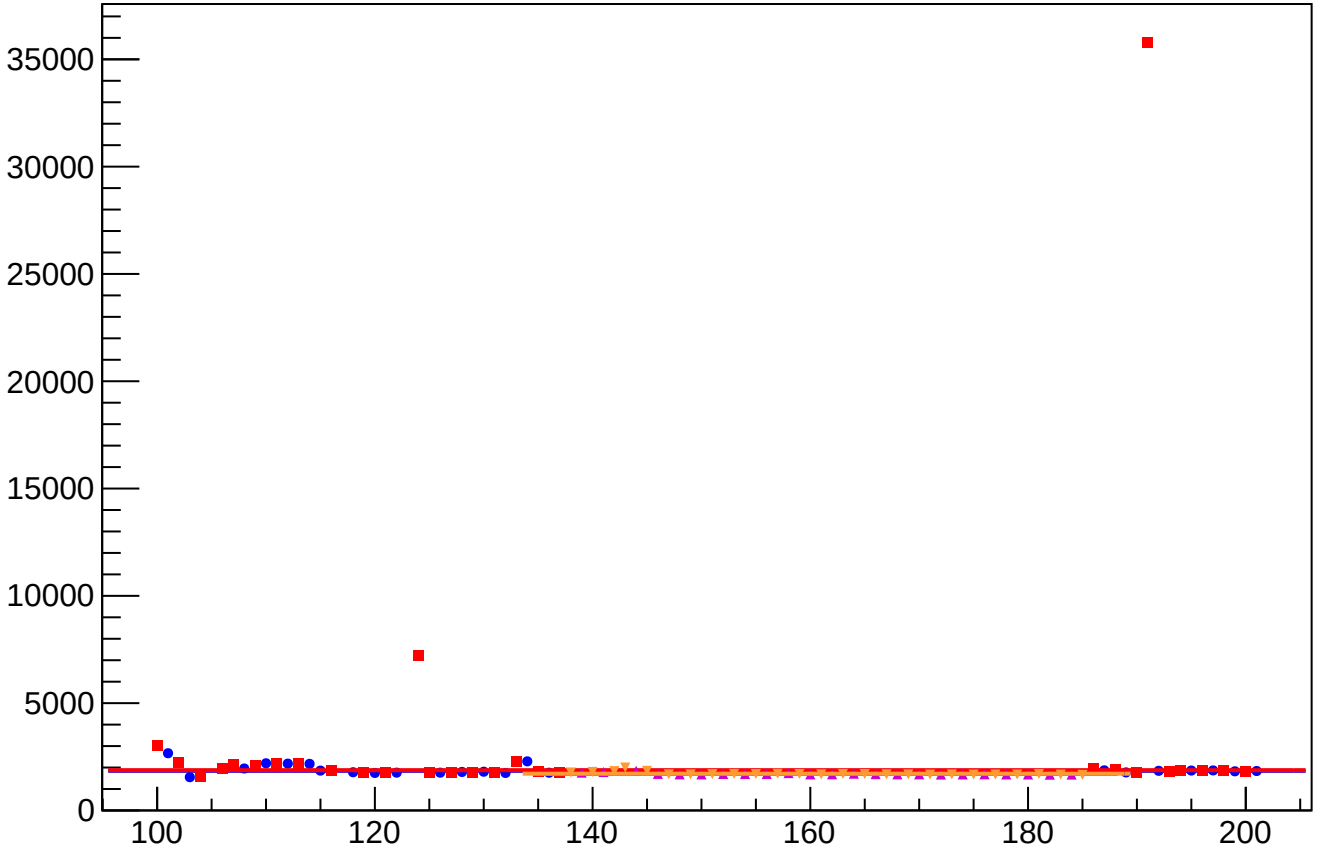
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1710.691+/-313.346 χ^2/NDF: 46.5/47

All: -127.780+/-222.363 χ^2/NDF: 160.9/98

- sign -1992.844+/-315.605 χ^2/NDF: 45.0/50

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: 1875.915+/-0.366 χ^2/NDF: 518363.2/27

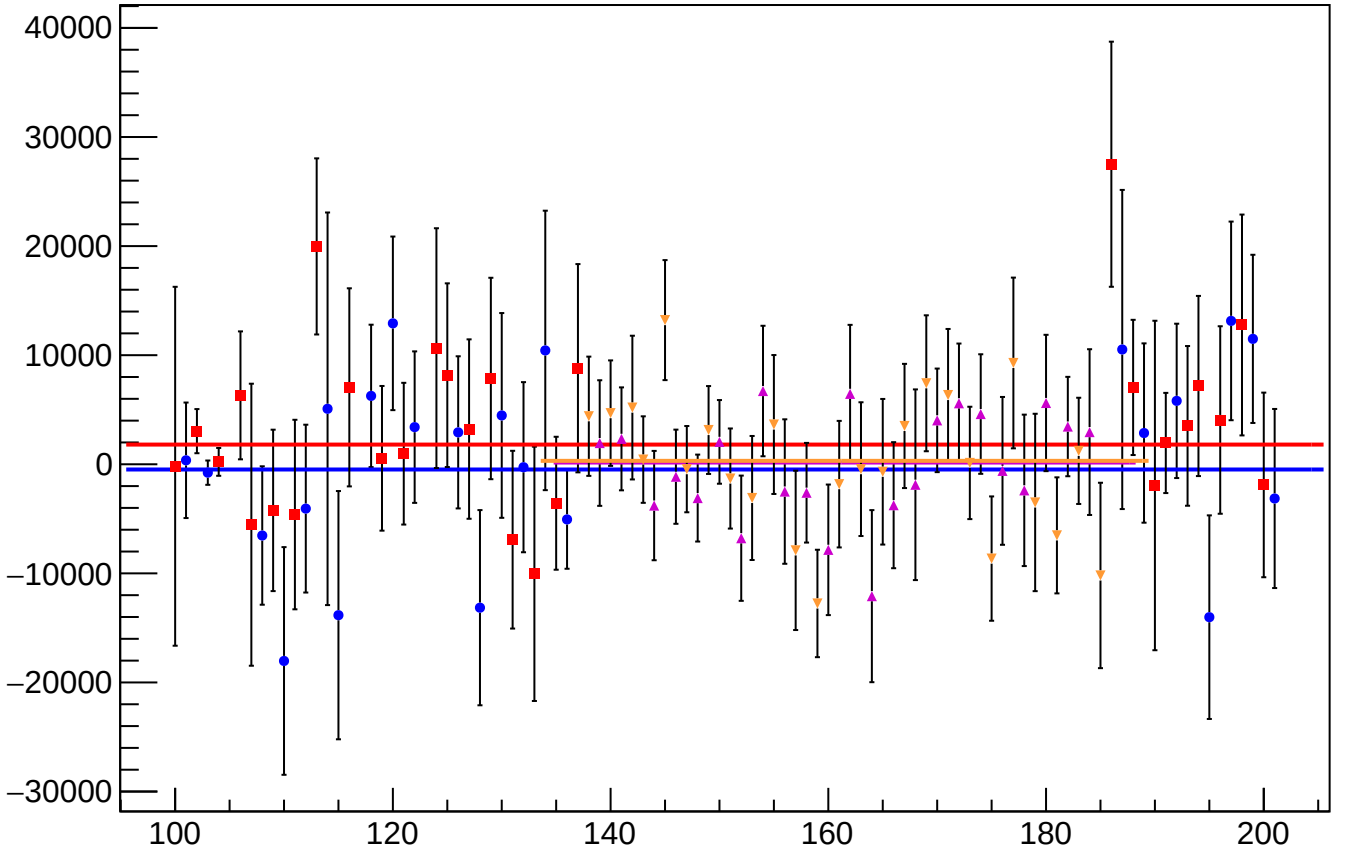
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1759.639+/-0.222 χ^2/NDF: 412161.4/47

All: 1763.725+/-0.157 χ^2/NDF: 1092521.3/98

- sign 1767.867+/-0.223 χ^2/NDF: 679674.9/50

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: 1805.264+/-887.815 χ^2/NDF: 22.6/27

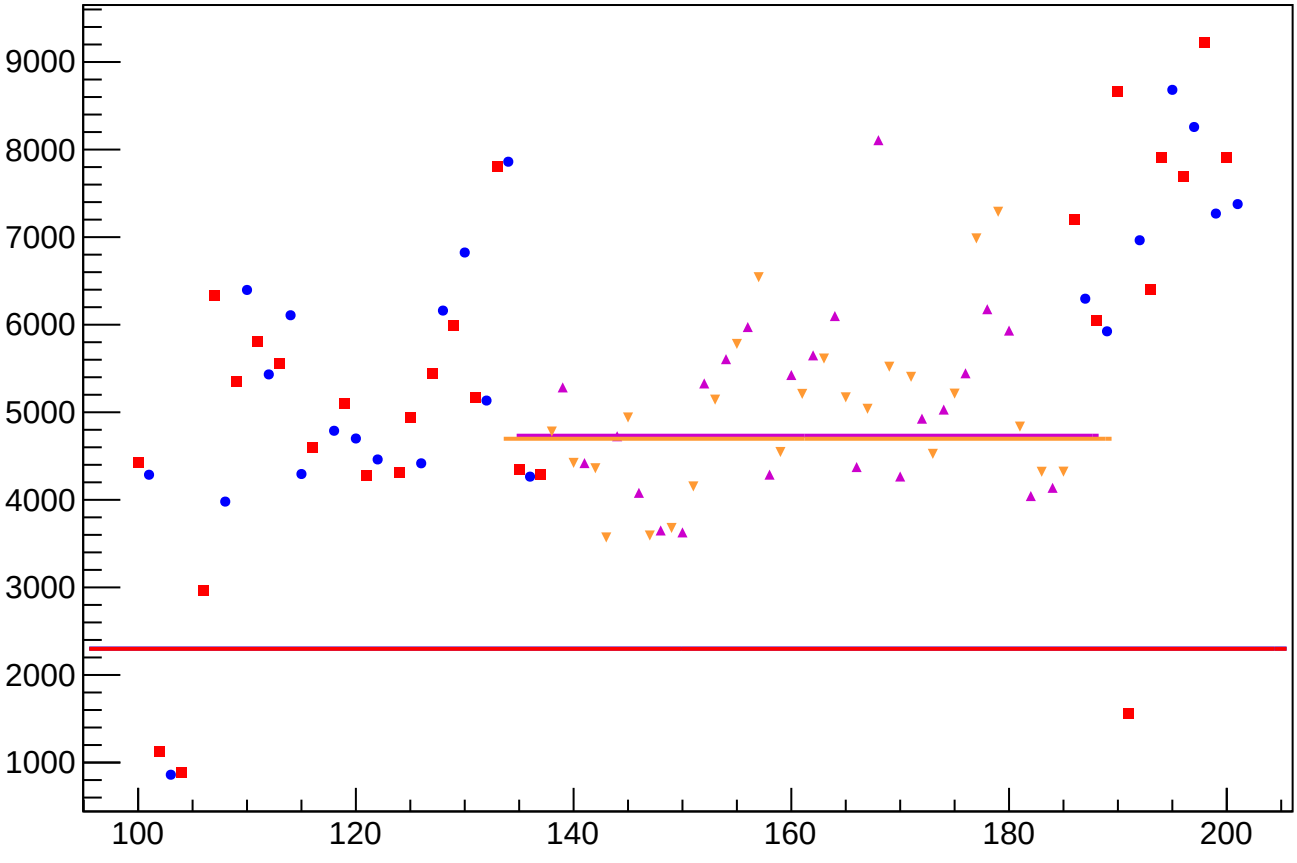
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -148.381+/-705.007 χ^2/NDF: 49.7/47

All: 520.385+/-495.930 χ^2/NDF: 90.1/98

- sign 1175.454+/-697.750 χ^2/NDF: 38.6/50

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: 2298.731+/-0.628 χ^2/NDF: 12592261.0/27

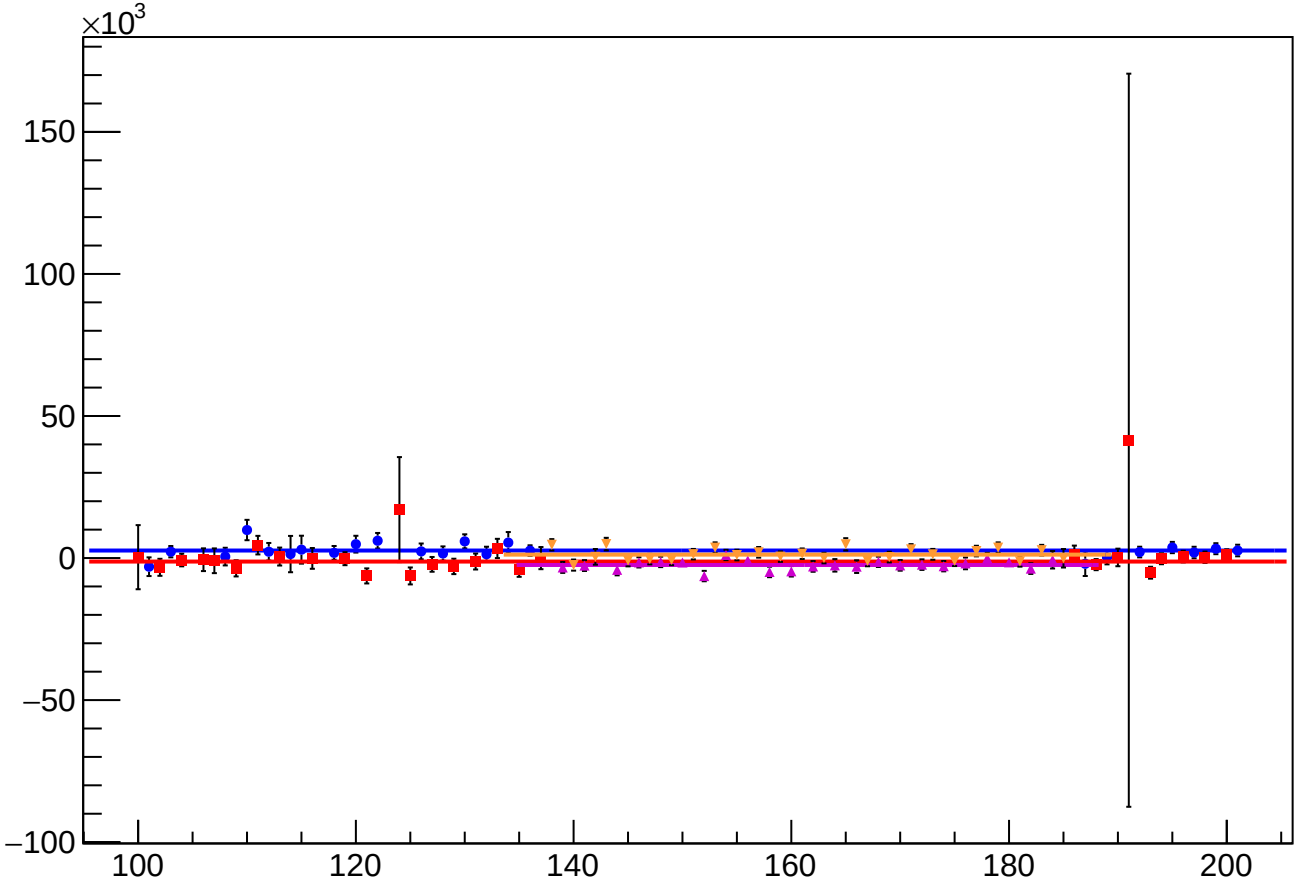
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3300.312+/-0.499 χ^2/NDF: 18906805.6/47

All: 3264.392+/-0.351 χ^2/NDF: 38498034.5/9

- sign 3229.208+/-0.493 χ^2/NDF: 19580951.8/50

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: -1236.820+/-518.088 χ^2/NDF: 24.2/27

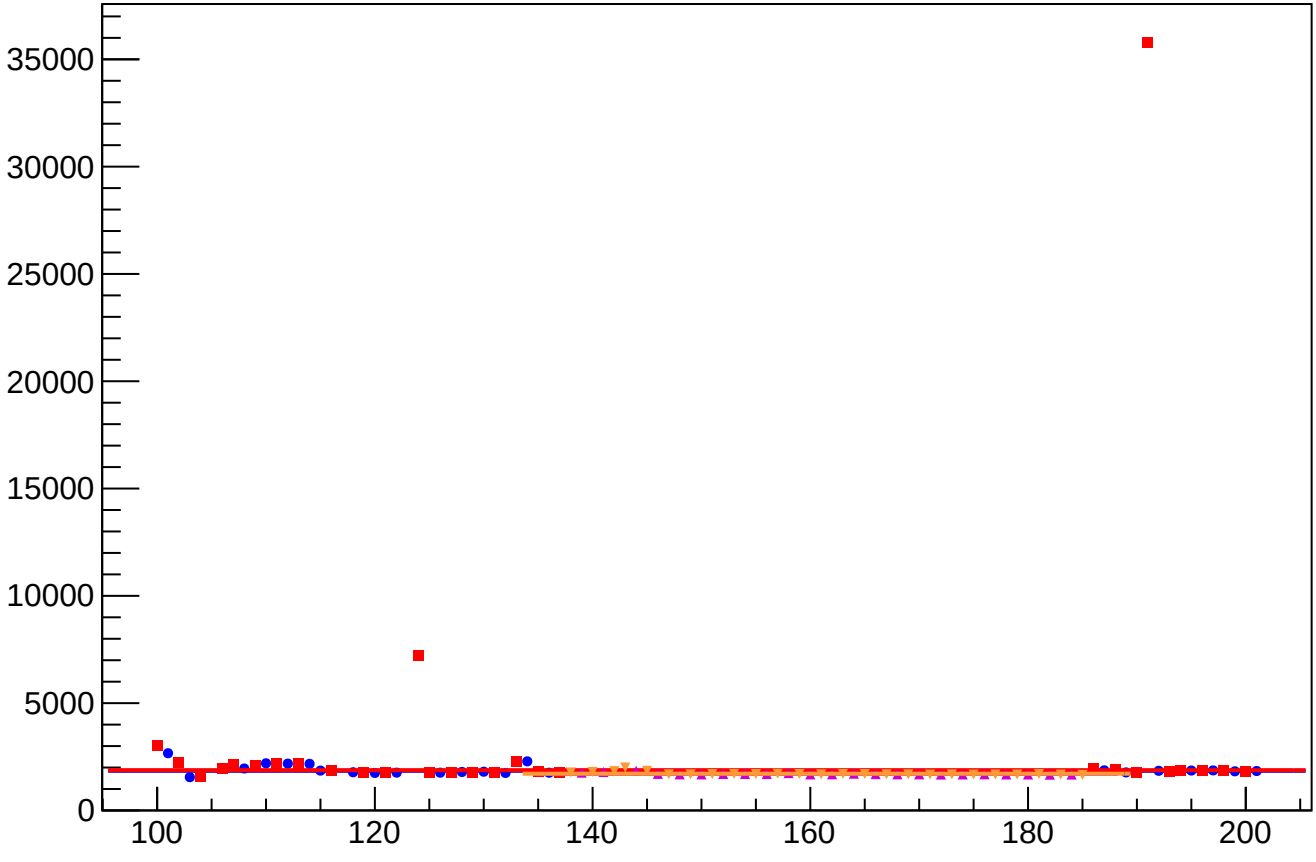
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1710.691+/-313.346 χ^2/NDF: 46.5/47

All: -127.780+/-222.363 χ^2/NDF: 160.9/98

- sign -1992.844+/-315.605 χ^2/NDF: 45.0/50

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: 1875.915+/-0.366 χ^2/NDF: 518363.2/27

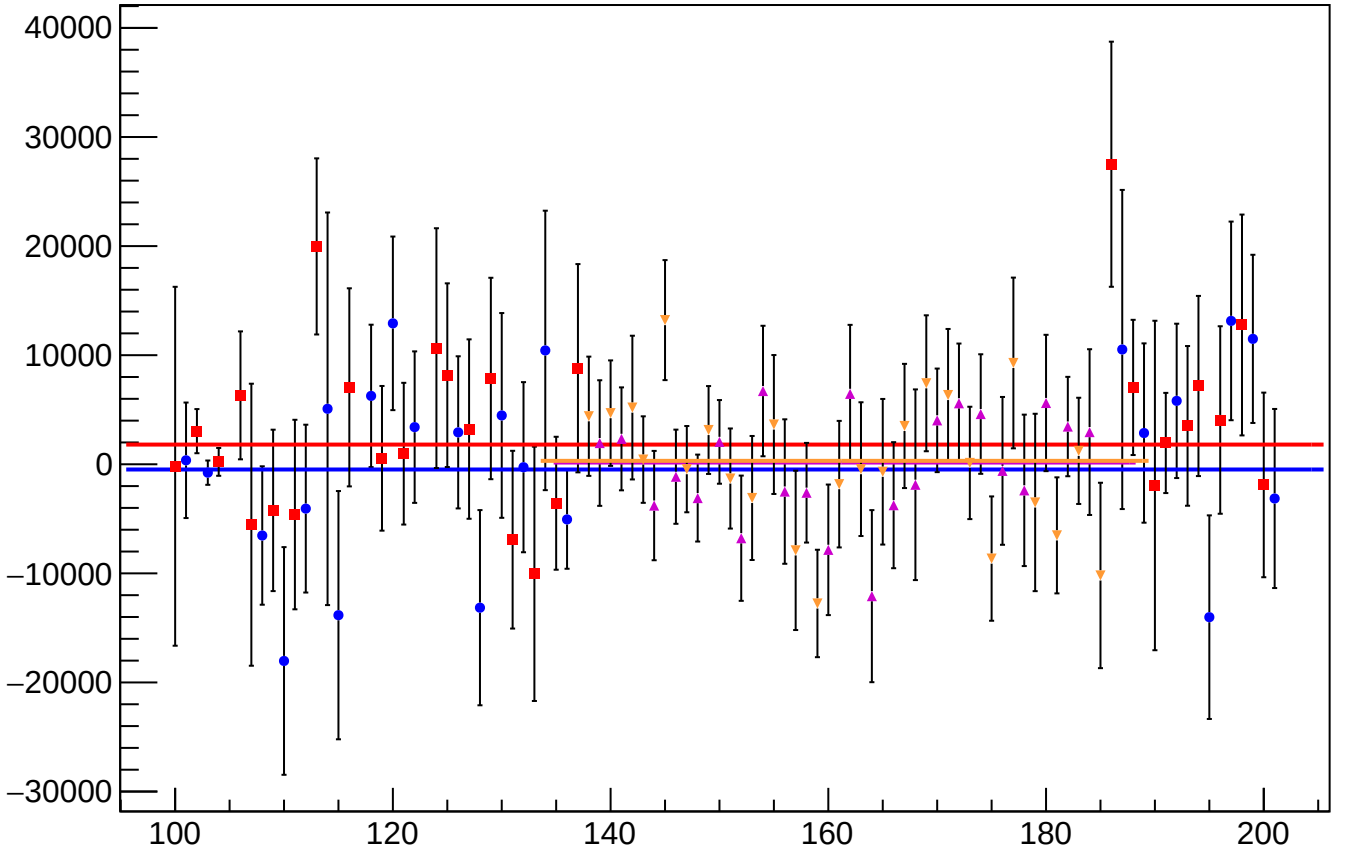
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1759.639+/-0.222 χ^2/NDF: 412161.4/47

All: 1763.725+/-0.157 χ^2/NDF: 1092521.3/98

- sign 1767.867+/-0.223 χ^2/NDF: 679674.9/50

asym_atl1r2_avg_eigen_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

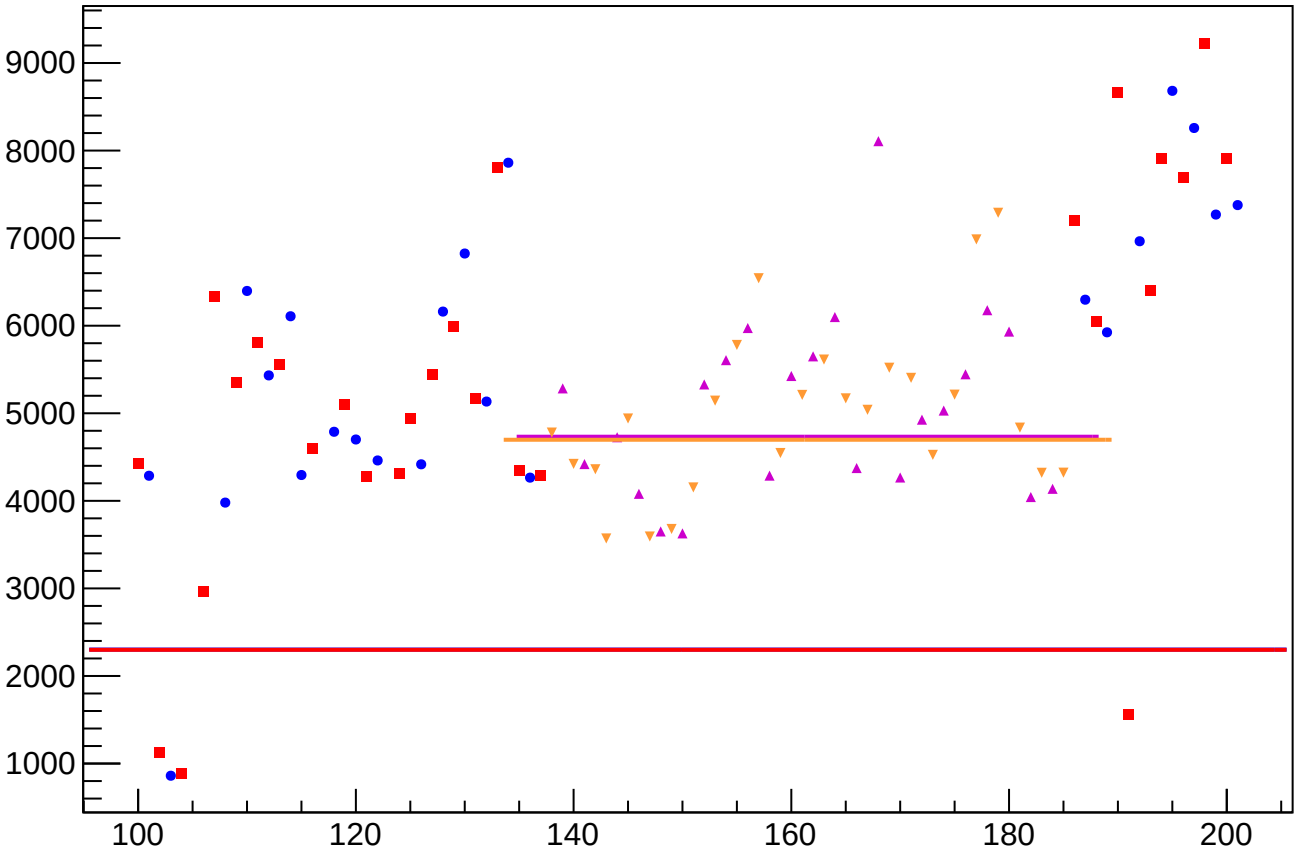
Right Out: 1805.264+/-887.815 χ^2/NDF: 22.6/27

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

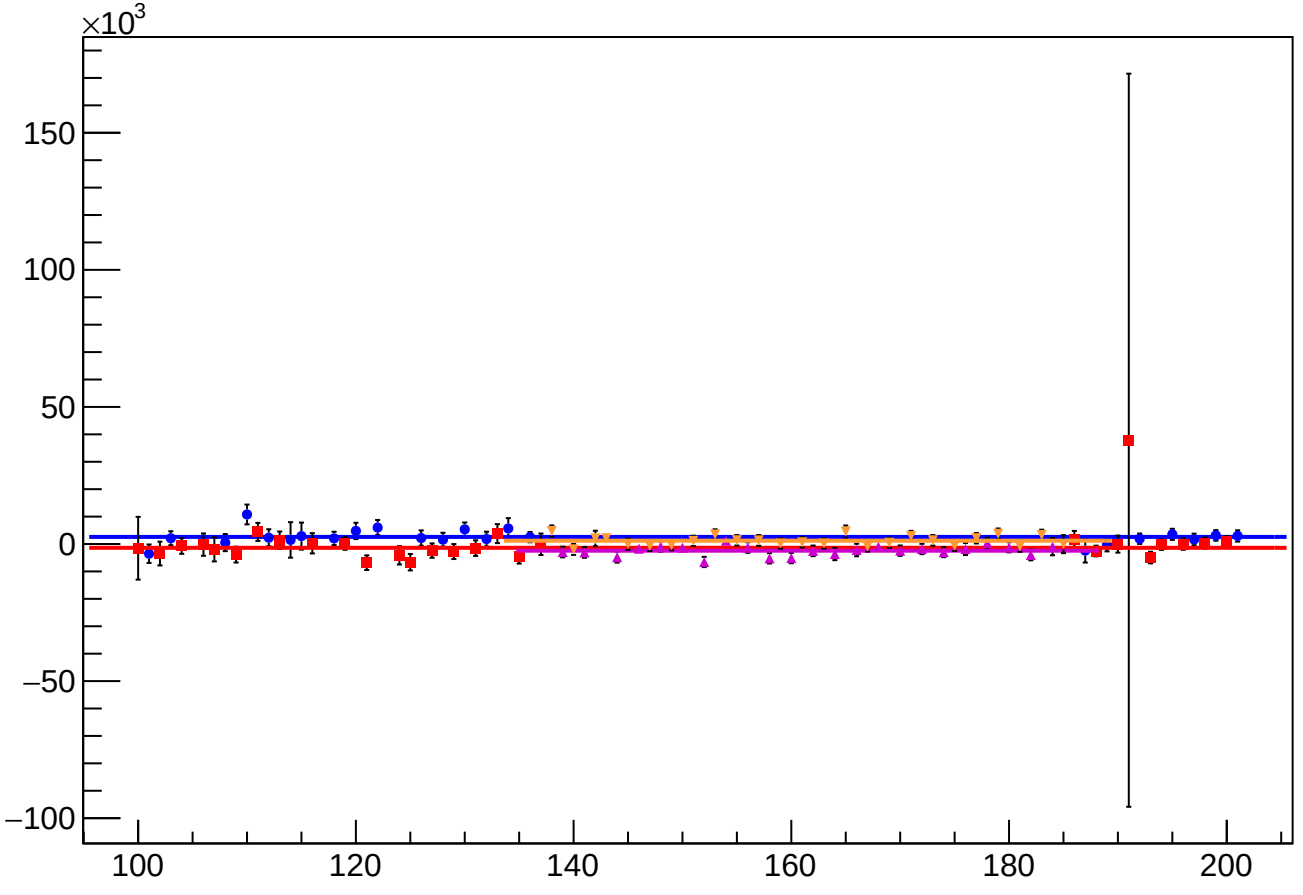
+ sign -148.381+/-705.007 χ^2/NDF: 49.7/47

All: 520.385+/-495.930 χ^2/NDF: 90.1/98

- sign 1175.454+/-697.750 χ^2/NDF: 38.6/50


asym_atl1r2_avg_eigen_cor_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2301.554+/-0.653 χ²/NDF: 12051841.6/22
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2298.731+/-0.628 χ²/NDF: 12592261.0/27
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
+ sign 3300.312+/-0.499 χ²/NDF: 18906805.6/47
All: 3264.392+/-0.351 χ²/NDF: 38498034.5/9
- sign 3229.208+/-0.493 χ²/NDF: 19580951.8/50

dit_asym_atl1r2_avg_mean vs Slug



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: -1380.408+/-526.893 χ^2/NDF: 25.3/27

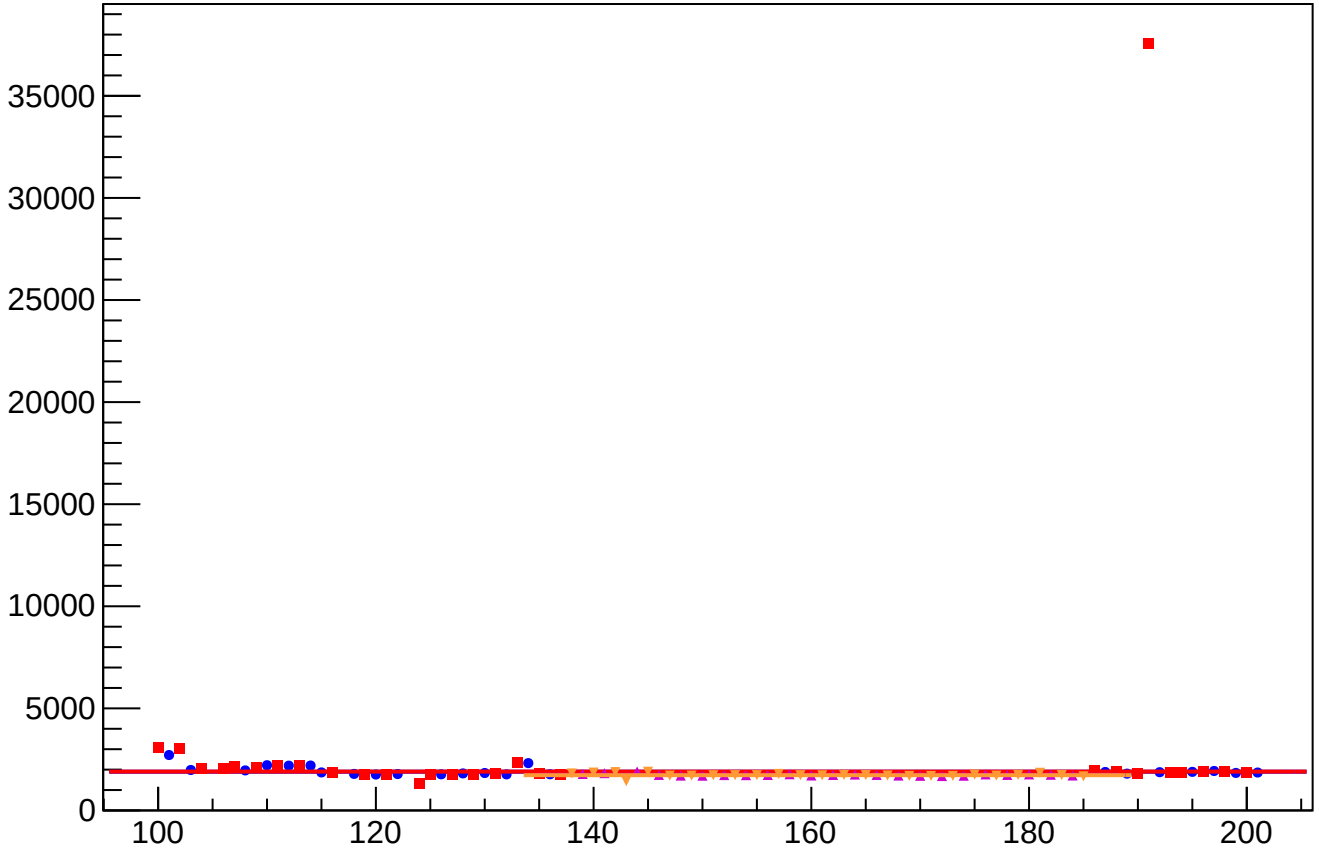
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1677.664+/-318.215 χ^2/NDF: 40.3/47

All: -158.119+/-226.466 χ^2/NDF: 156.1/98

- sign -2042.144+/-322.369 χ^2/NDF: 48.4/50

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: 1903.853+/-0.372 χ^2/NDF: 499764.9/27

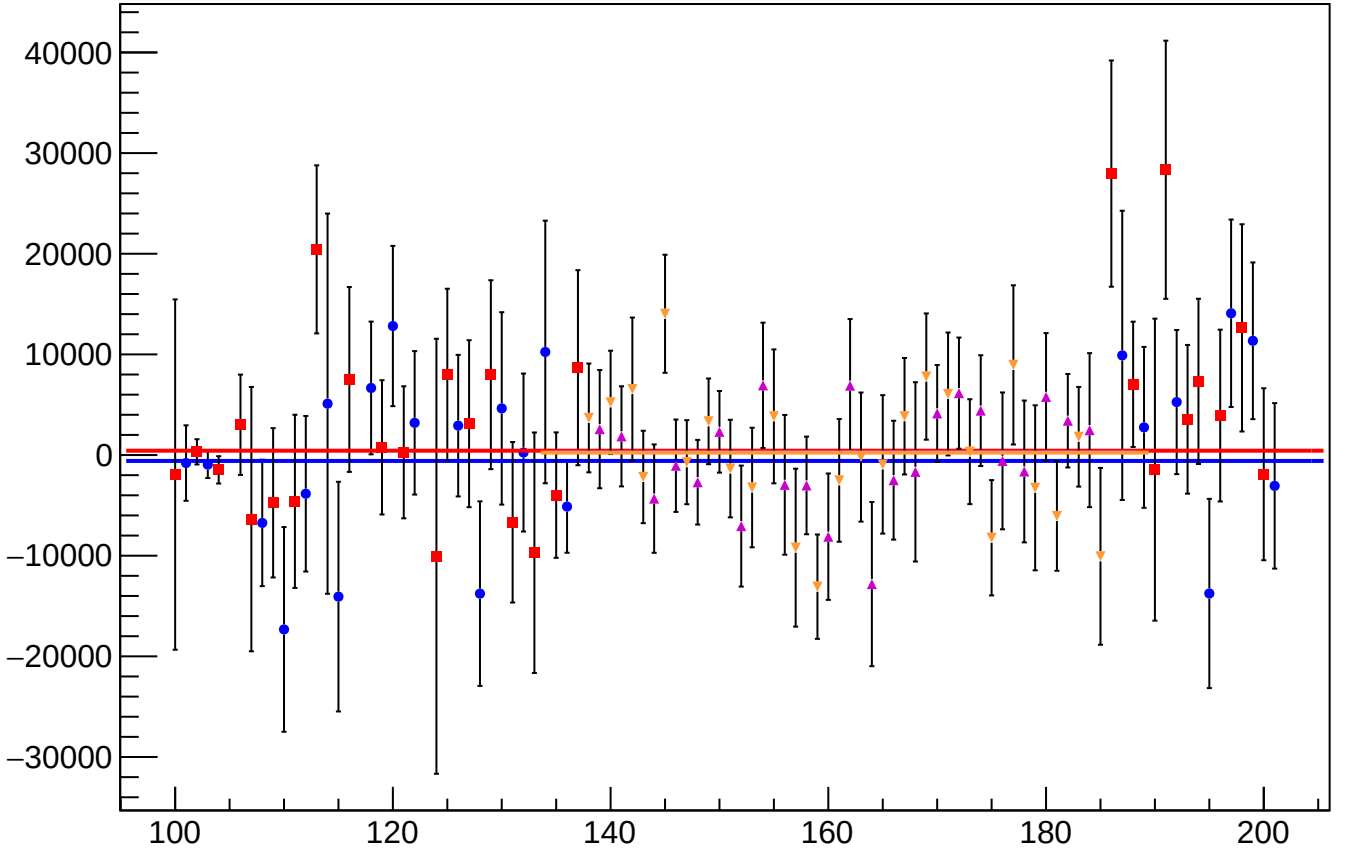
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1785.770+/-0.225 χ^2/NDF: 462852.8/47

All: 1794.900+/-0.160 χ^2/NDF: 1107081.0/98

- sign 1804.267+/-0.228 χ^2/NDF: 640892.5/50

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: 432.681+/-804.191 χ^2/NDF: 28.6/27

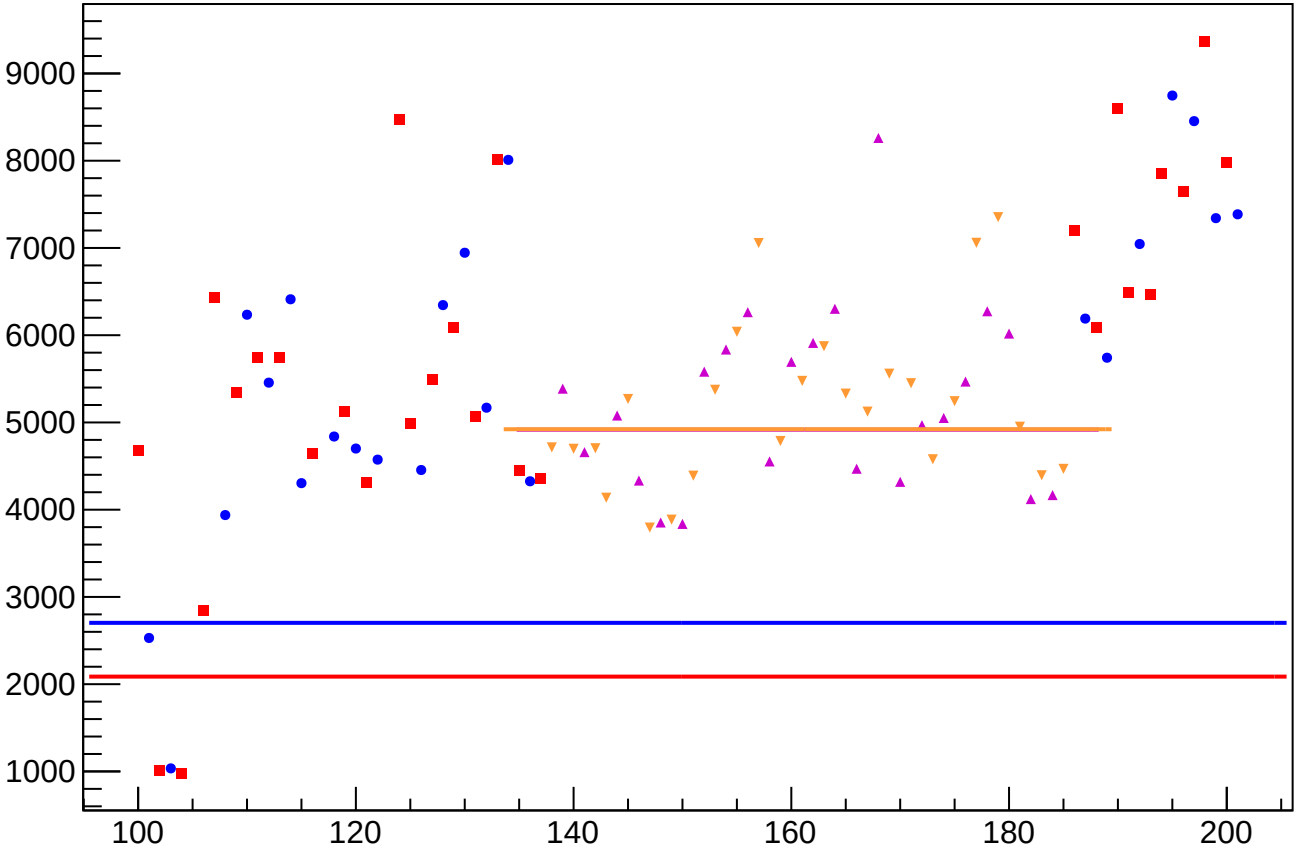
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -218.478+/-759.882 χ^2/NDF: 49.3/47

All: 128.238+/-499.542 χ^2/NDF: 92.8/98

- sign 392.117+/-662.921 χ^2/NDF: 43.1/50

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: 2086.709+/-0.569 χ^2/NDF: 13680907.8/27

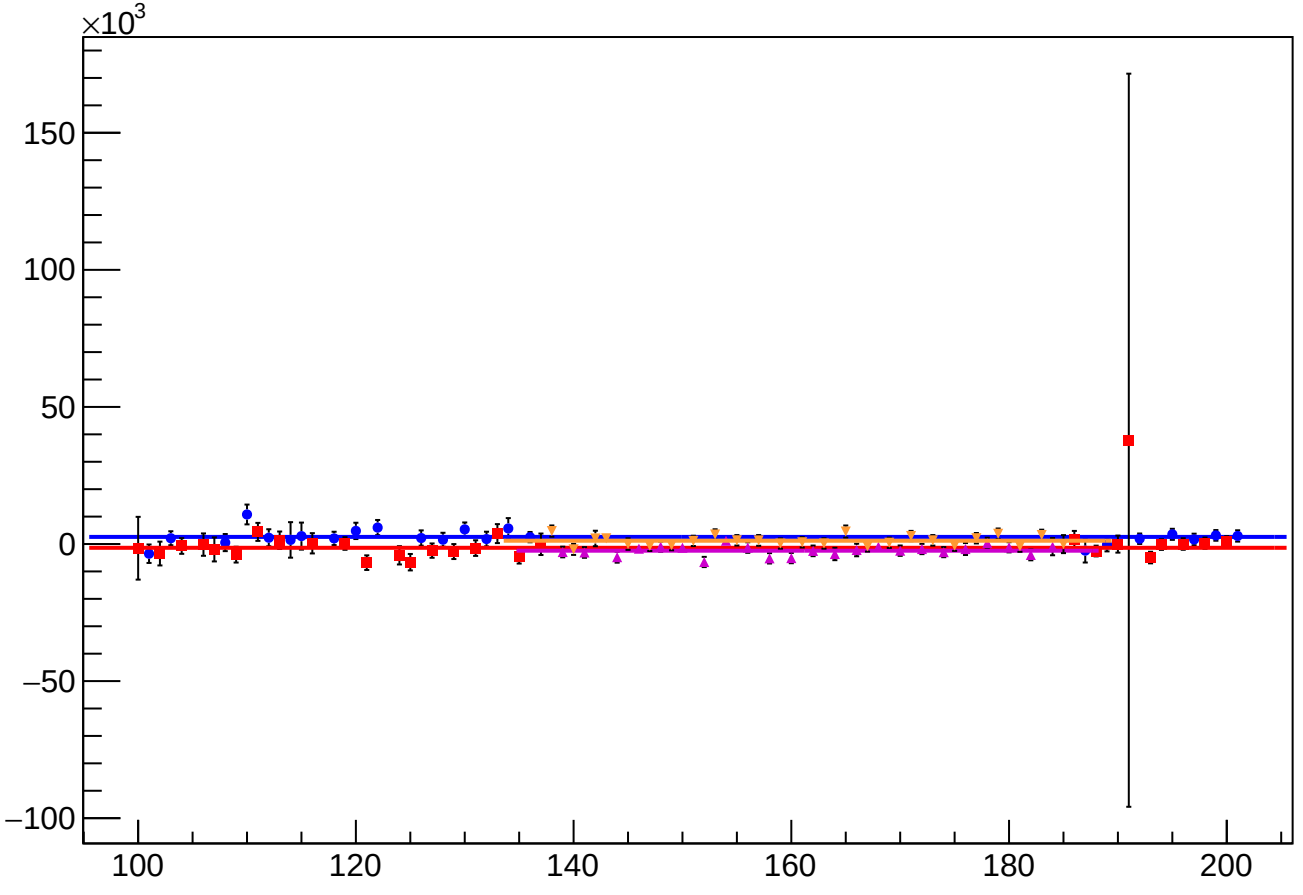
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3687.462+/-0.537 χ^2/NDF: 15275508.6/47

All: 3293.542+/-0.353 χ^2/NDF: 39003449.6/9

- sign 2993.737+/-0.469 χ^2/NDF: 22781415.9/50

eigen_dit_asym_atl1r2_avg_mean vs Slug



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: -1380.410+/-526.893 χ^2/NDF: 25.3/27

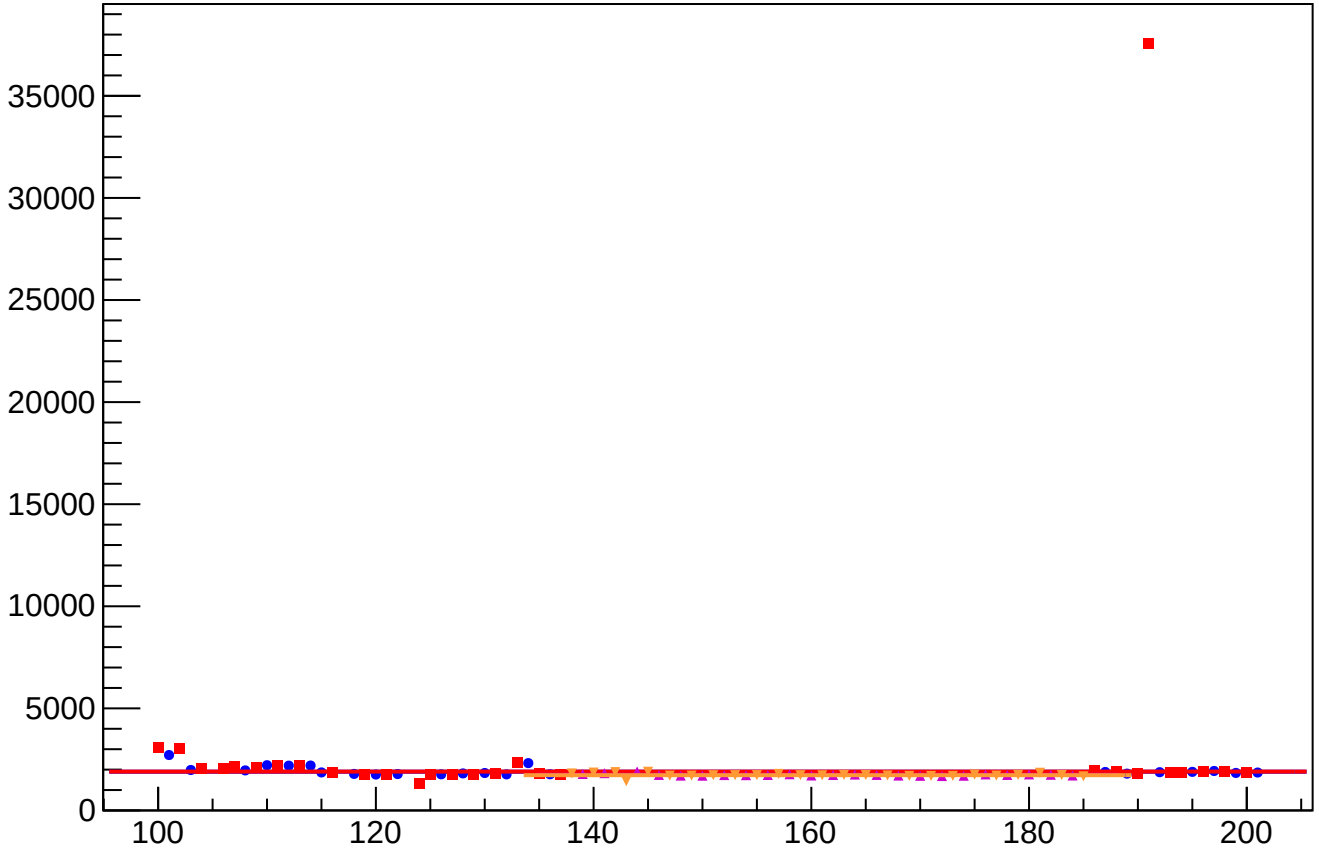
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1677.661+/-318.215 χ^2/NDF: 40.3/47

All: -158.122+/-226.466 χ^2/NDF: 156.1/98

- sign -2042.145+/-322.369 χ^2/NDF: 48.4/50

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

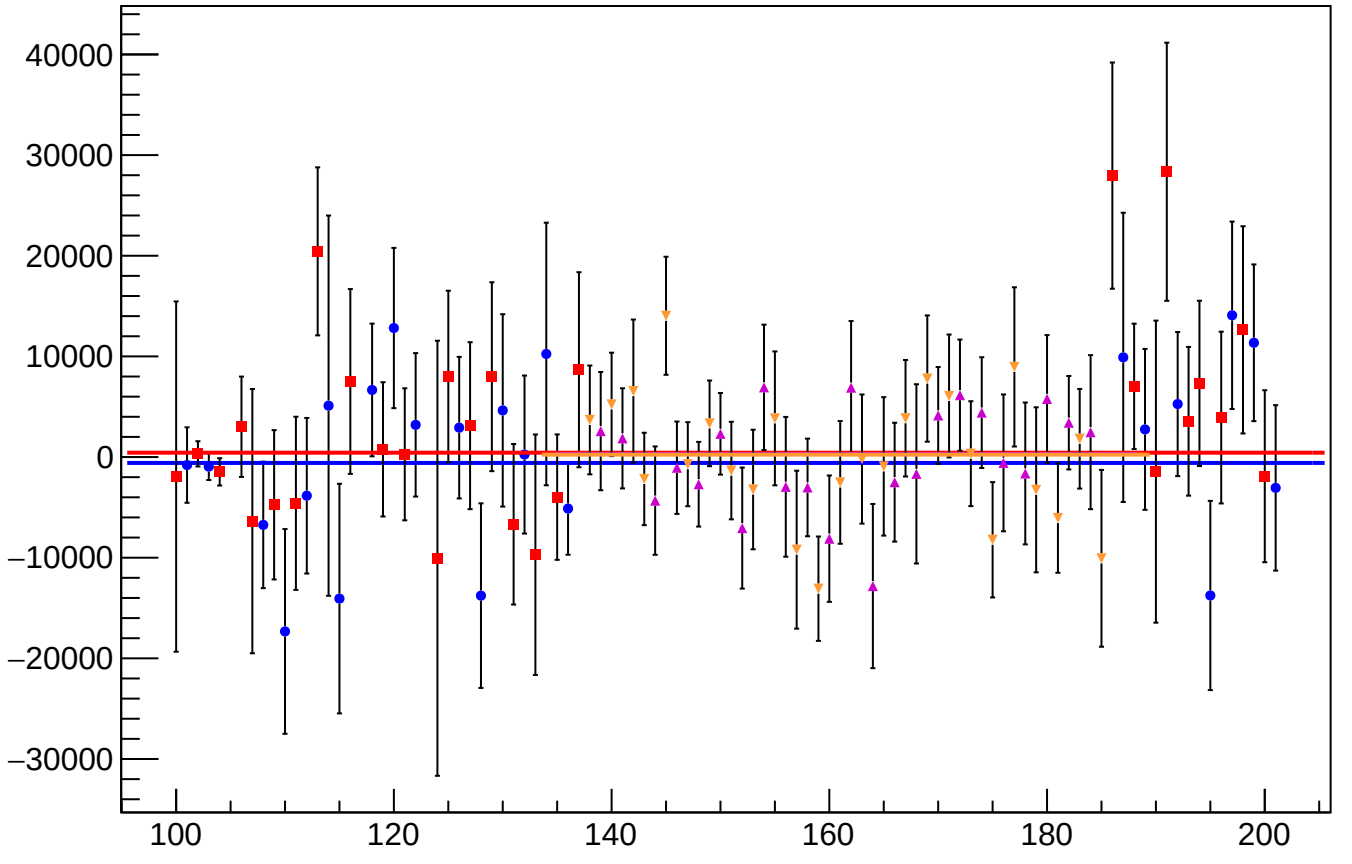
Right Out: 1903.852+/-0.372 χ^2/NDF: 499763.7/27

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1785.770+/-0.225 χ^2/NDF: 462849.9/47

All: 1794.900+/-0.160 χ^2/NDF: 1107075.6/98

- sign 1804.267+/-0.228 χ^2/NDF: 640890.0/50



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: 432.685+/-804.190 χ^2/NDF: 28.6/27

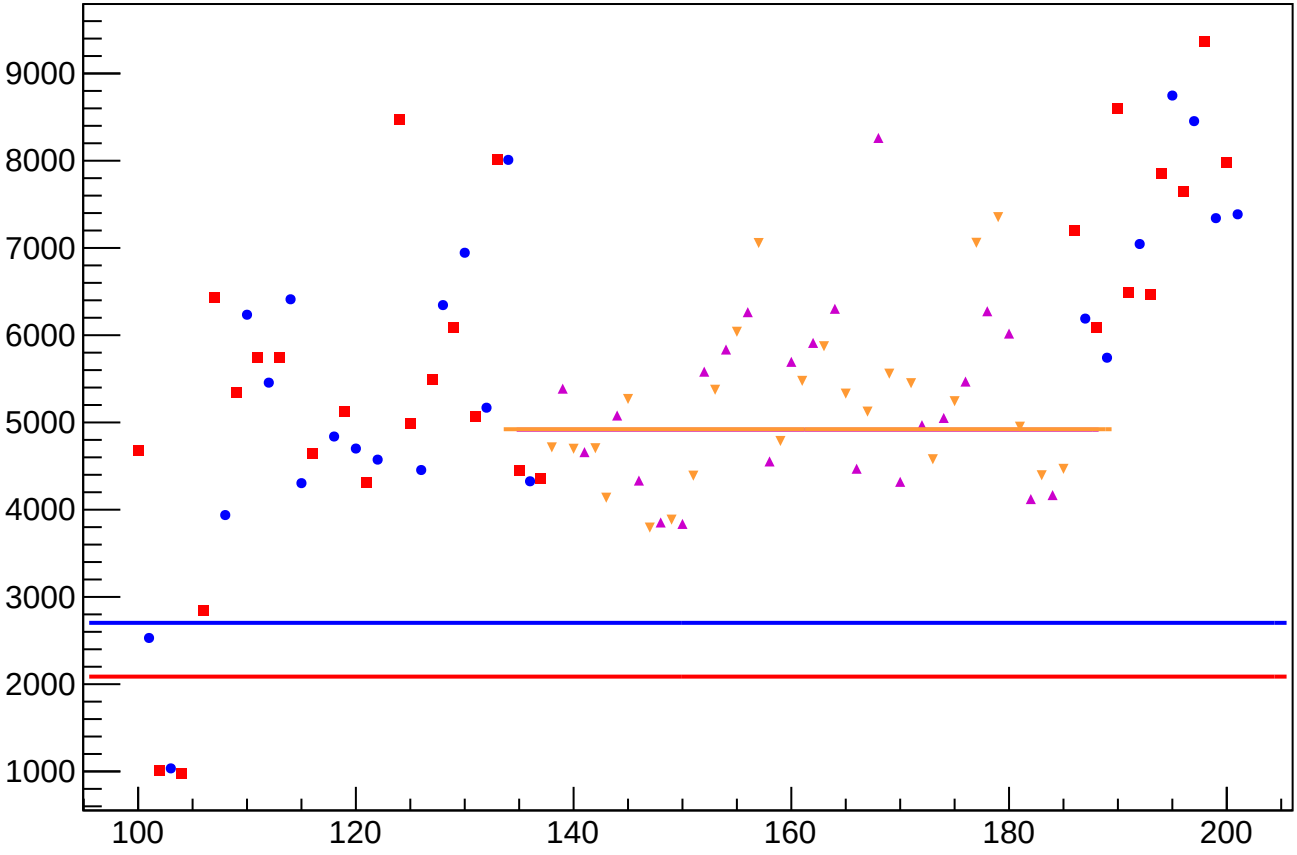
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -218.479+/-759.883 χ^2/NDF: 49.3/47

All: 128.240+/-499.542 χ^2/NDF: 92.8/98

- sign 392.121+/-662.921 χ^2/NDF: 43.1/50

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: 2086.708+/-0.569 χ^2/NDF: 13680904.2/27

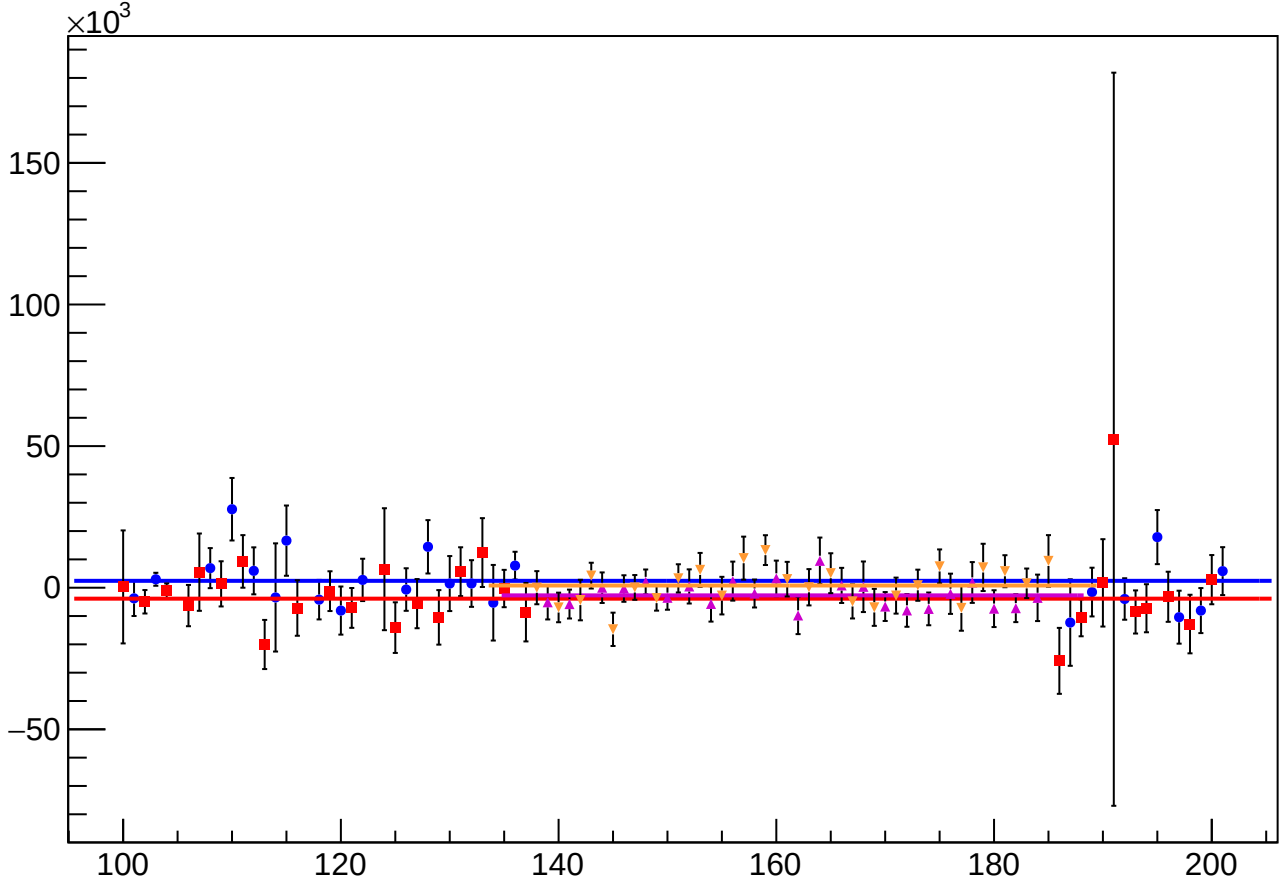
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3687.462+/-0.537 χ^2/NDF: 15275543.2/47

All: 3293.541+/-0.353 χ^2/NDF: 39003519.2/9

- sign 2993.736+/-0.469 χ^2/NDF: 22781448.6/50

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: -3867.849+/-1391.047 χ^2/NDF: 20.6/27

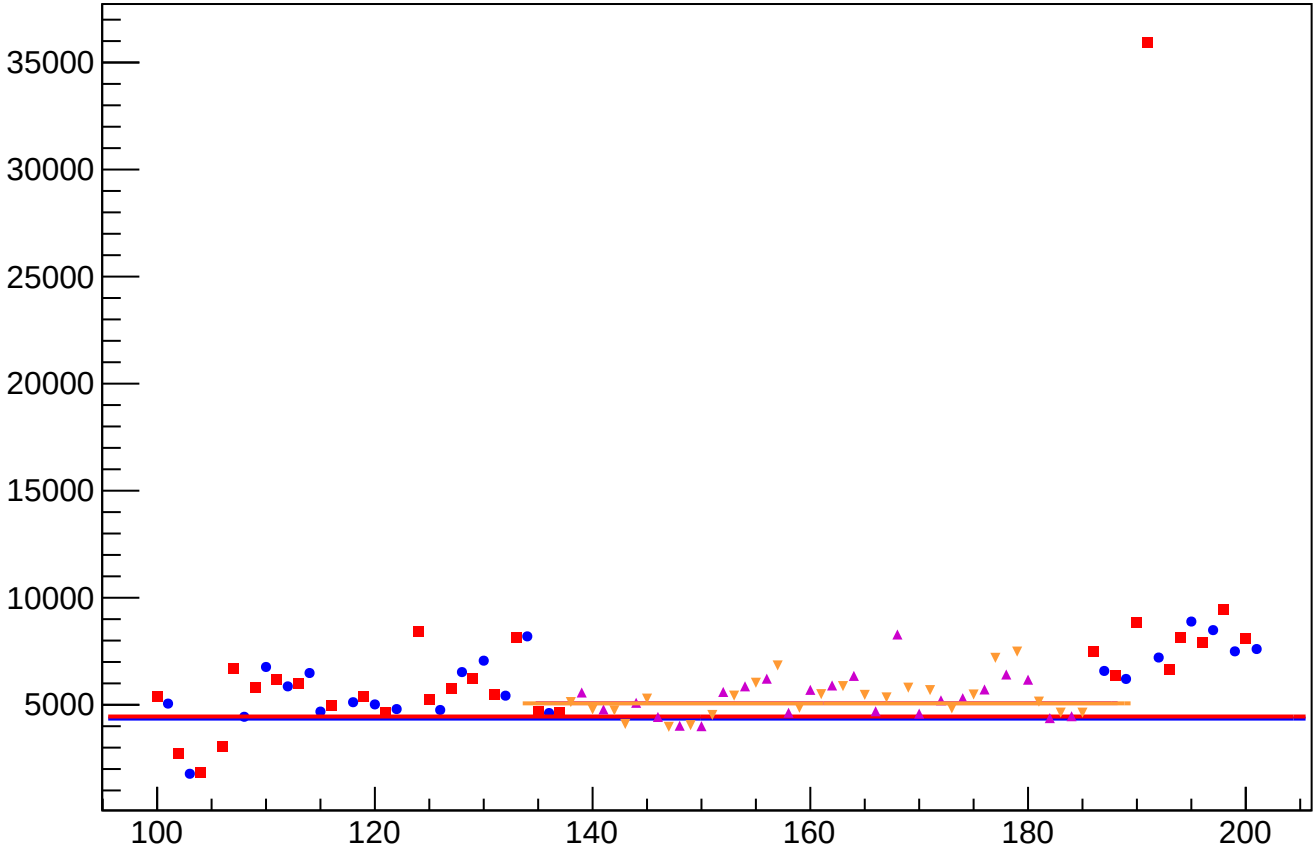
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1464.320+/-898.462 χ^2/NDF: 50.8/47

All: -836.821+/-639.814 χ^2/NDF: 97.0/98

- sign -3204.423+/-911.344 χ^2/NDF: 32.9/50

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: 4452.958+/-0.976 χ^2/NDF: 5422464.8/27

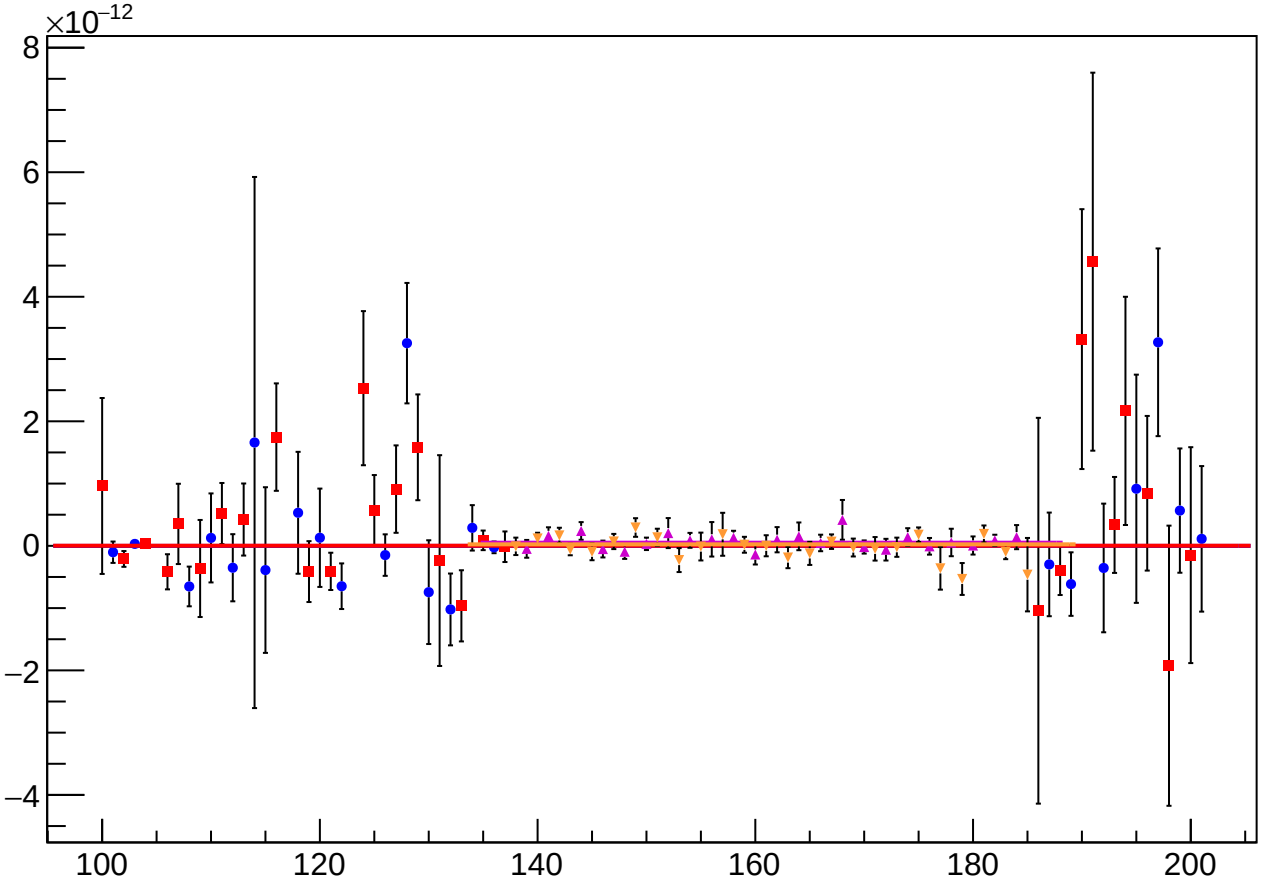
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4774.375+/-0.635 χ^2/NDF: 6402761.2/47

All: 4791.113+/-0.452 χ^2/NDF: 13061756.1/9

- sign 4808.214+/-0.642 χ^2/NDF: 6657591.7/50

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

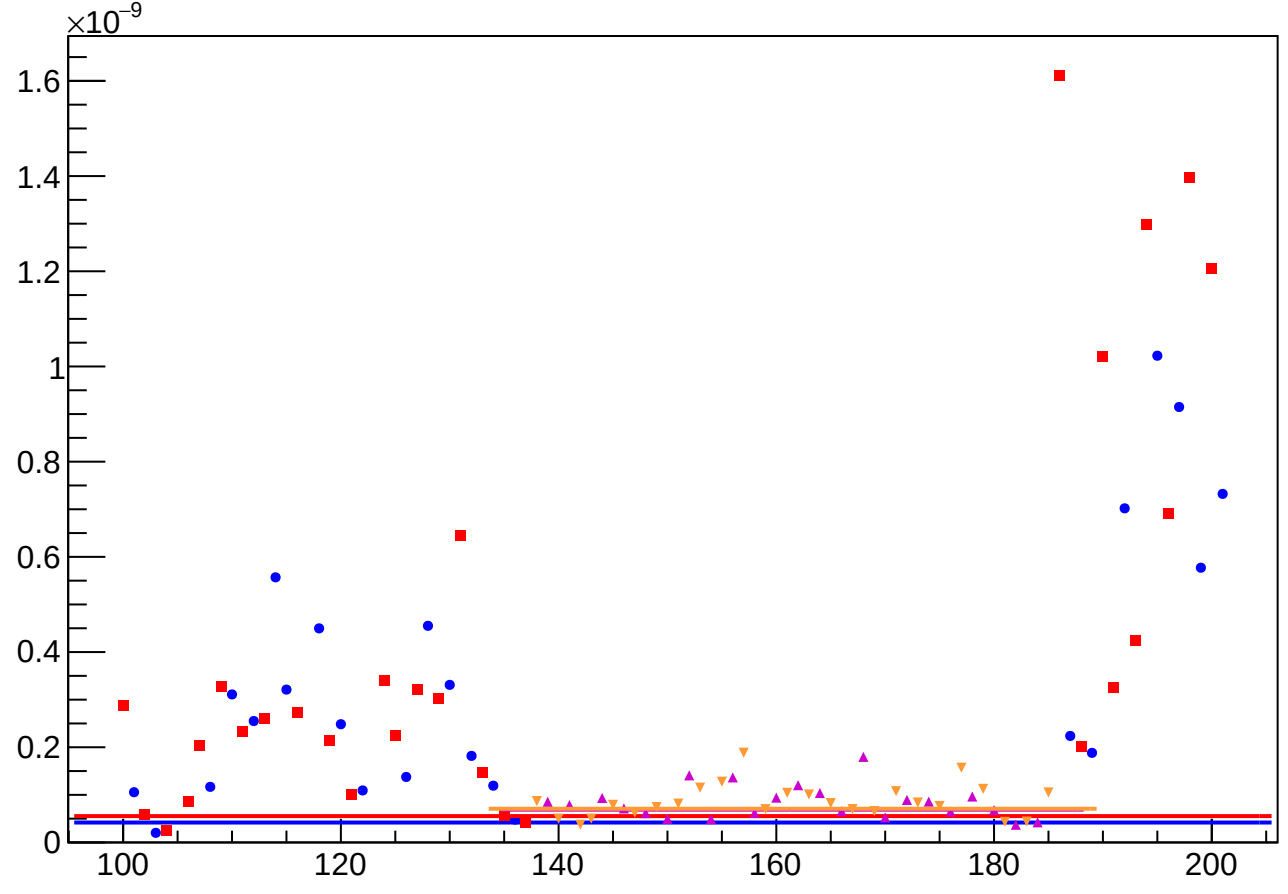
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/27

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: 105.5/98

- sign 0.000+/-0.000 χ^2/NDF: 48.8/50



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: 7662226.8/27

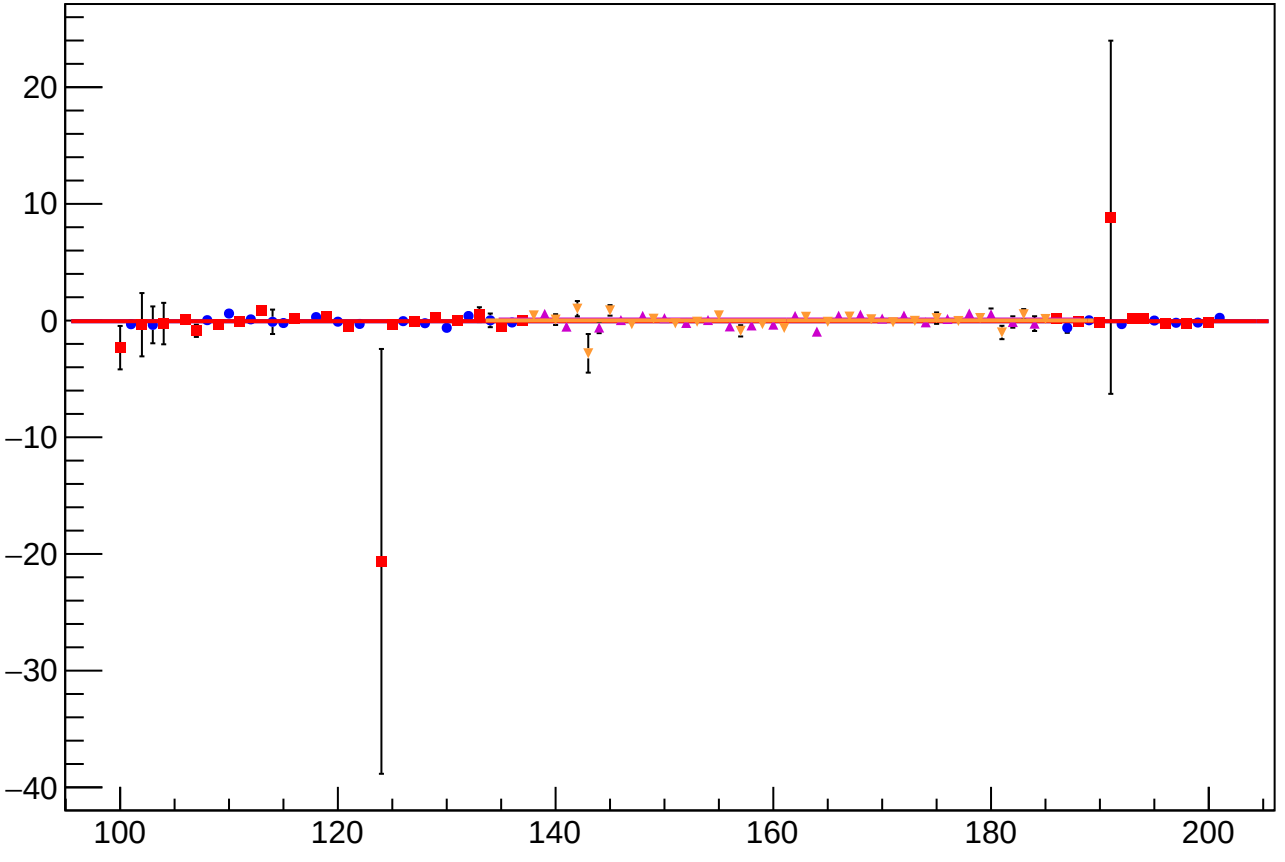
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9034323.3/47

All: 0.000+/-0.000 χ^2/NDF: 18306326.2/98

- sign 0.000+/-0.000 χ^2/NDF: 9223049.2/50

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: -0.054+/-0.054 χ^2/NDF: 27.8/27

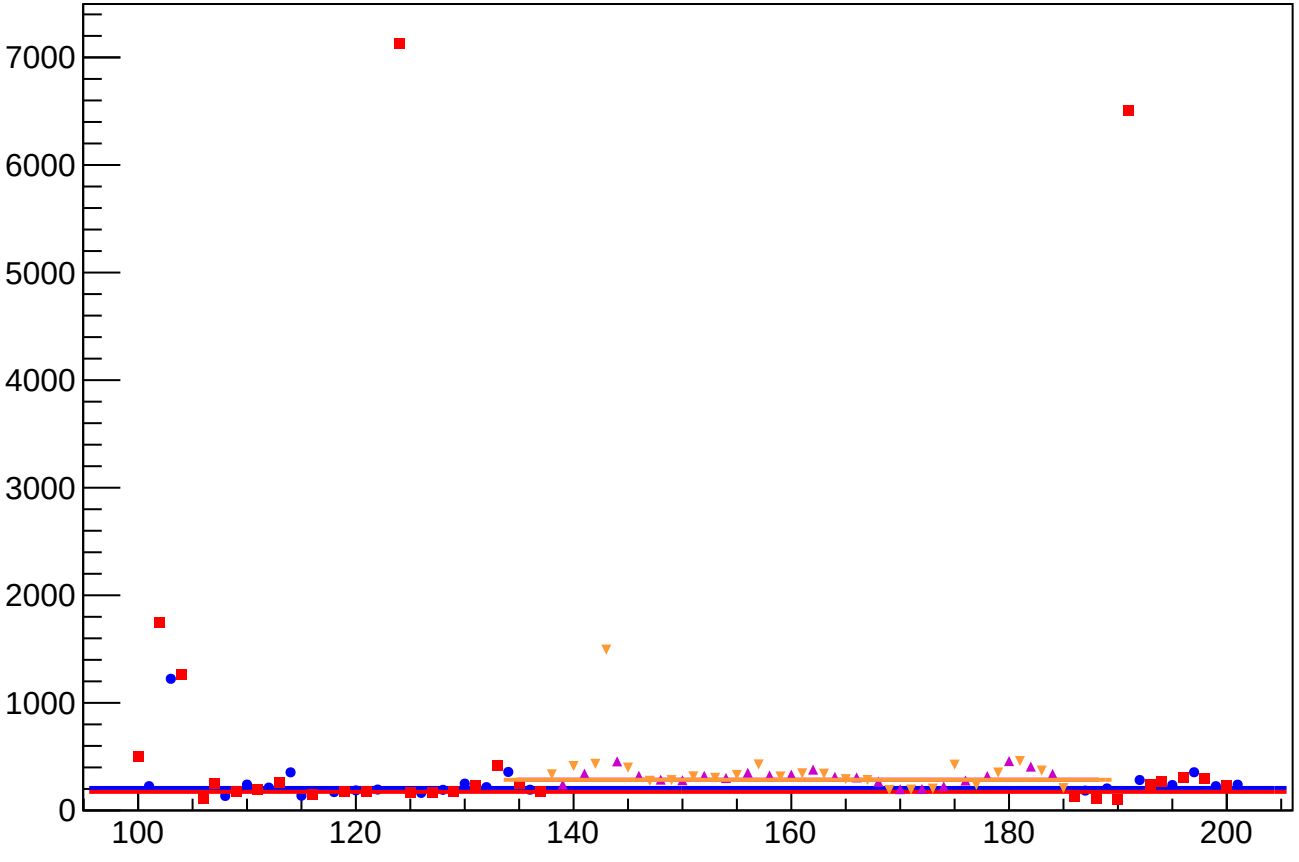
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.047 χ^2/NDF: 44.5/47

All: -0.011+/-0.032 χ^2/NDF: 106.0/98

- sign 0.000+/-0.043 χ^2/NDF: 61.4/50

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: 172.866+/-0.038 χ^2/NDF: 4807873.7/27

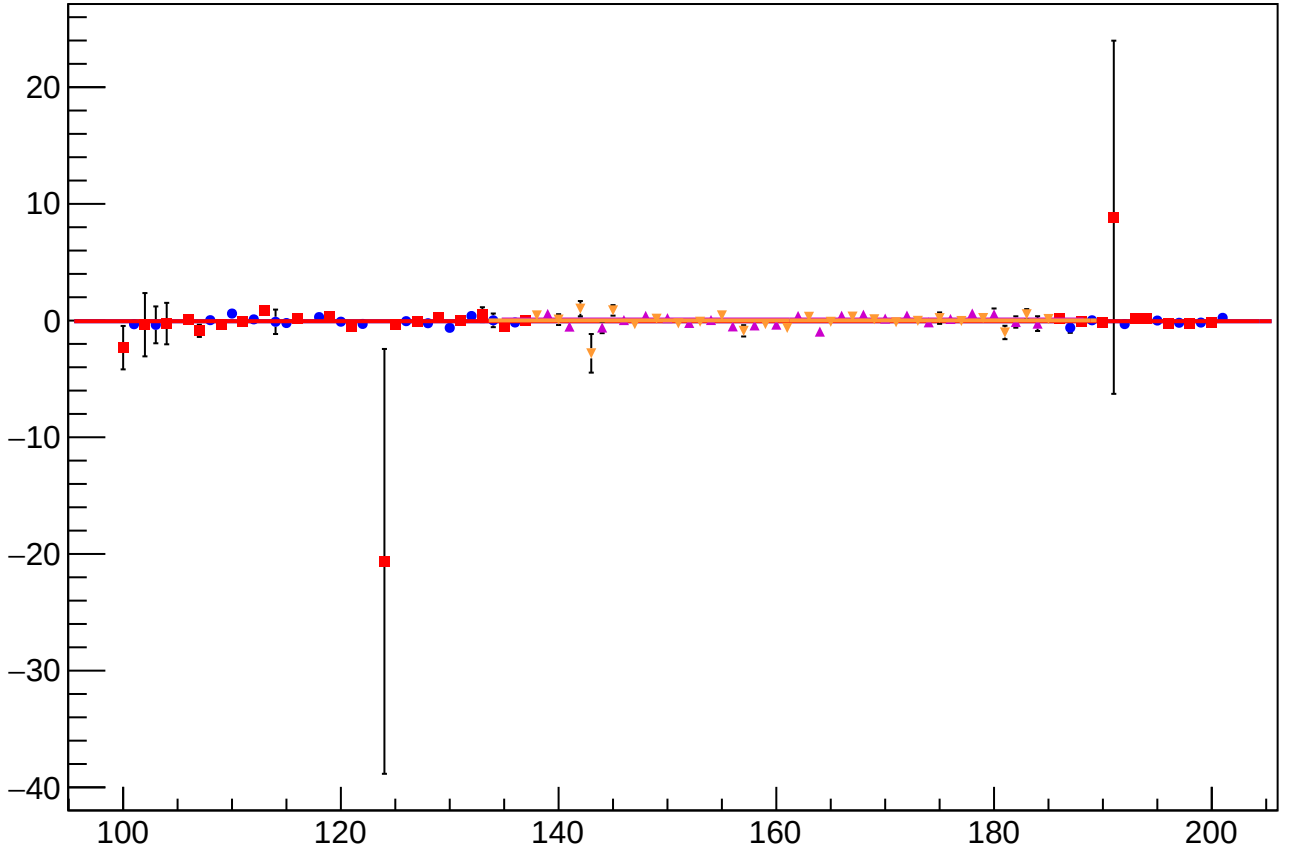
Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.815+/-0.033 χ^2/NDF: 6618453.4/47

All: 227.983+/-0.022 χ^2/NDF: 16817876.3/98

- sign 214.880+/-0.030 χ^2/NDF: 9788127.2/50

asym_atl1r2_avg_dit_vs_eigen_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: -0.054+/-0.054 χ^2/NDF: 27.8/27

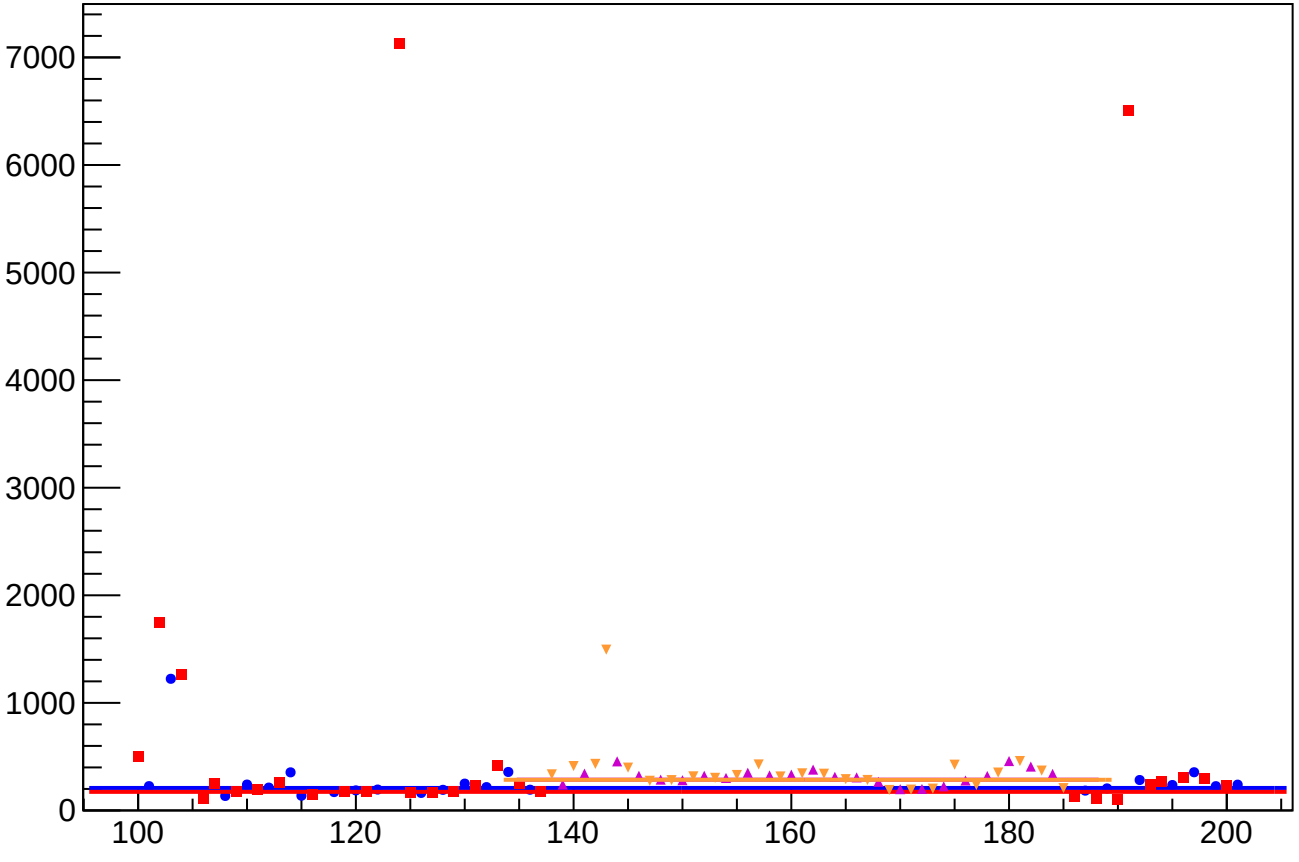
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.047 χ^2/NDF: 44.5/47

All: -0.011+/-0.032 χ^2/NDF: 106.0/98

- sign 0.000+/-0.043 χ^2/NDF: 61.4/50

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

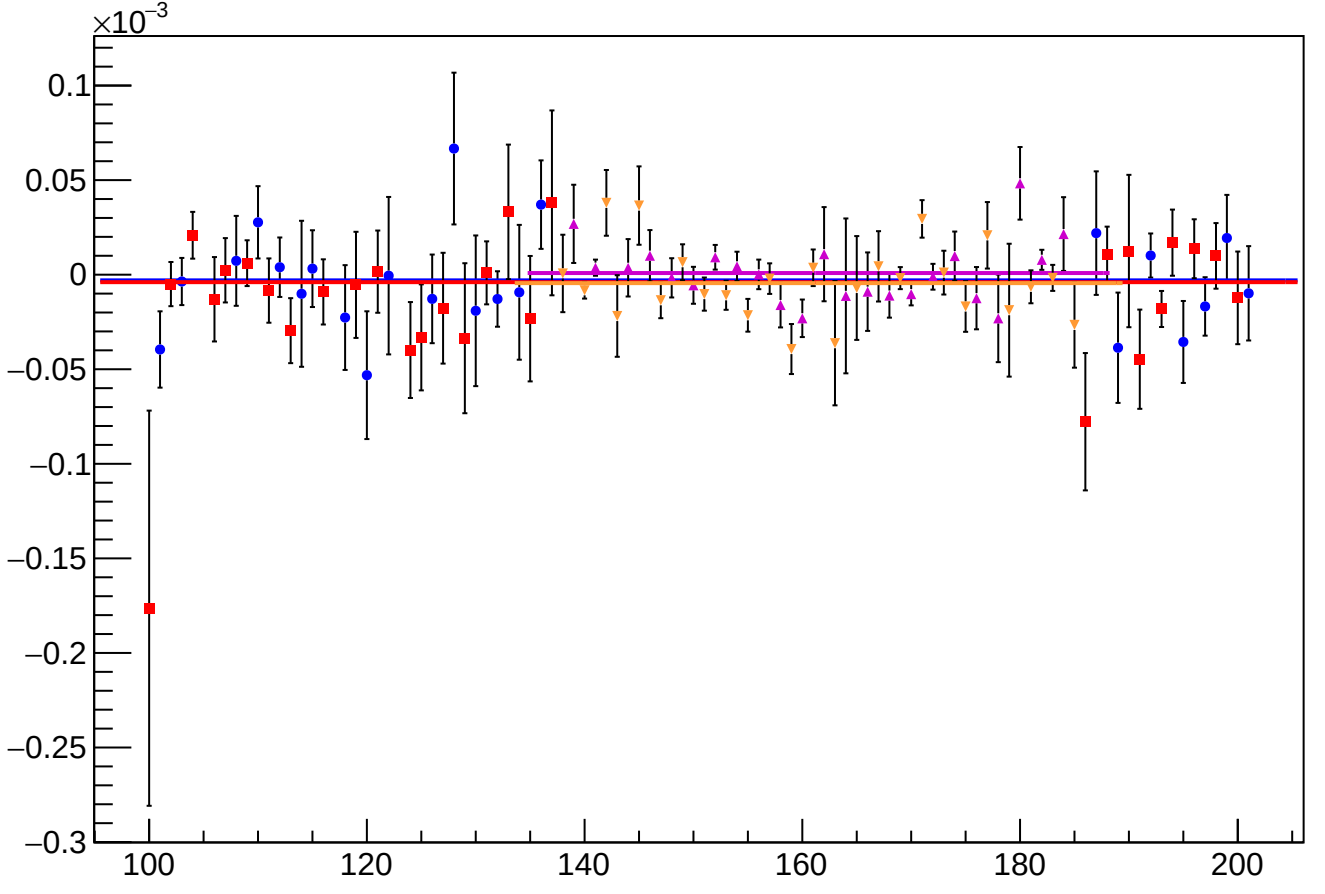
Right Out: 172.866+/-0.038 χ^2/NDF: 4807873.7/27

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.815+/-0.033 χ^2/NDF: 6618453.4/47

All: 227.983+/-0.022 χ^2/NDF: 16817876.3/98

- sign 214.880+/-0.030 χ^2/NDF: 9788127.2/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

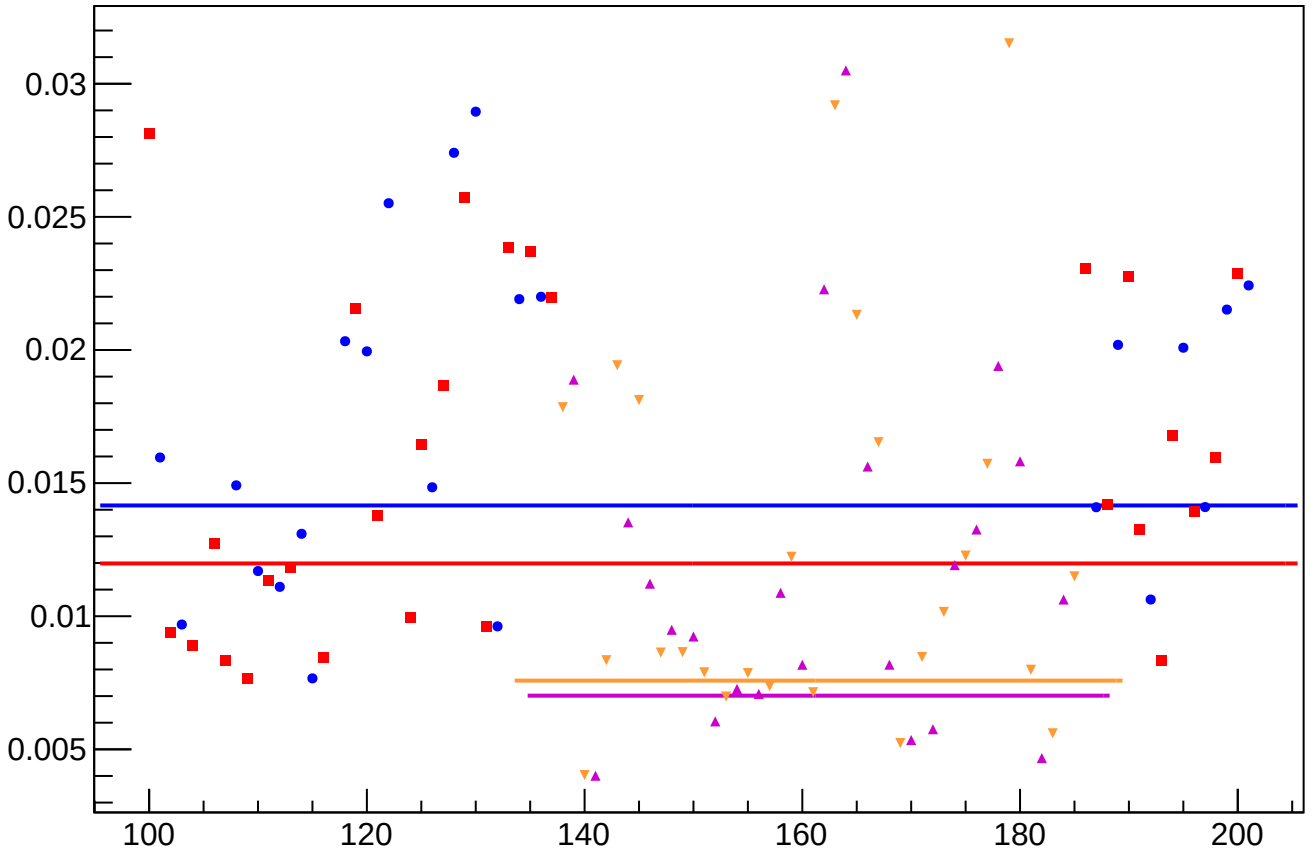
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/27

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: 130.0/98

- sign -0.000+/-0.000 χ^2/NDF: 60.1/50



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: 3313772.2/27

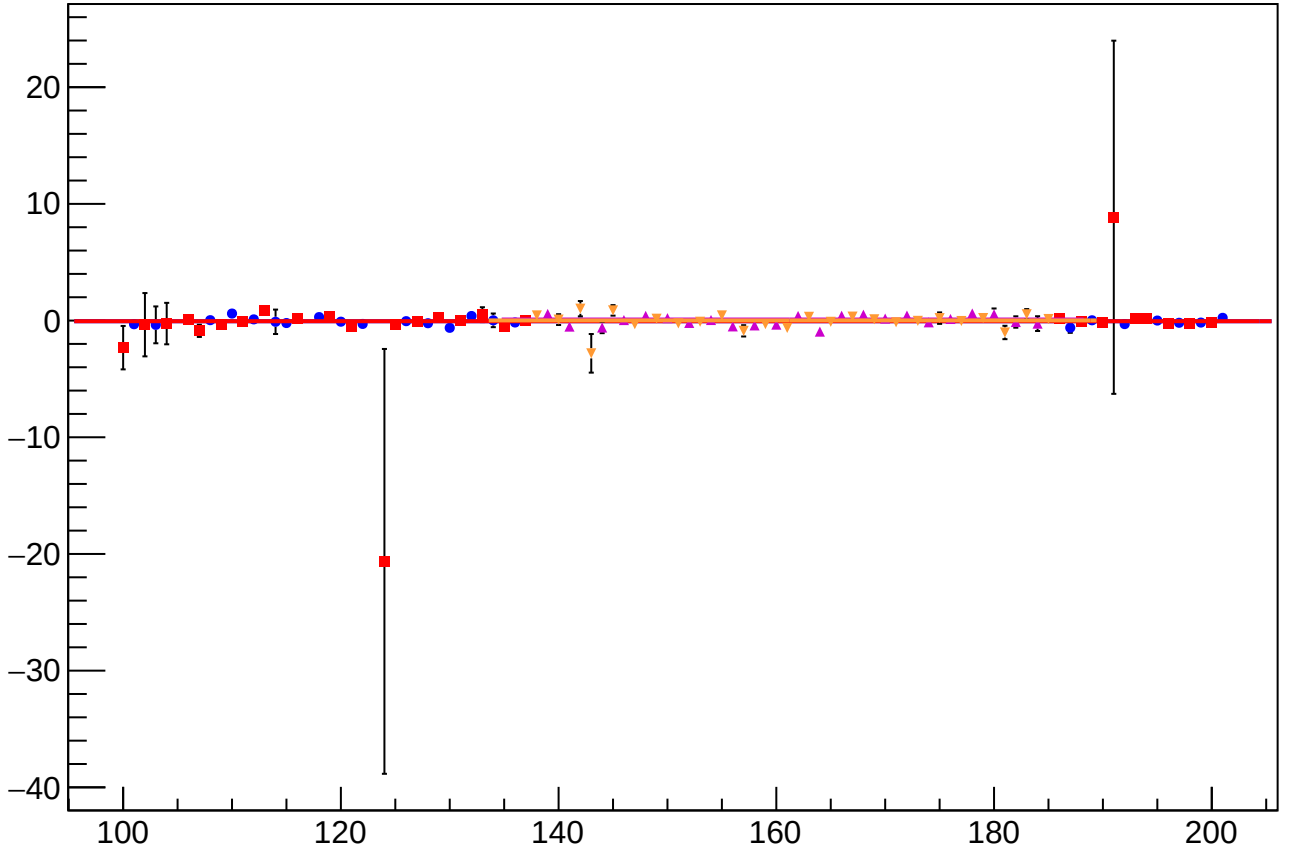
Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 13902701.6/47

All: 0.008+/-0.000 χ^2/NDF: 27145543.4/98

- sign 0.008+/-0.000 χ^2/NDF: 13139718.6/50

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: -0.054+/-0.054 χ^2/NDF: 27.8/27

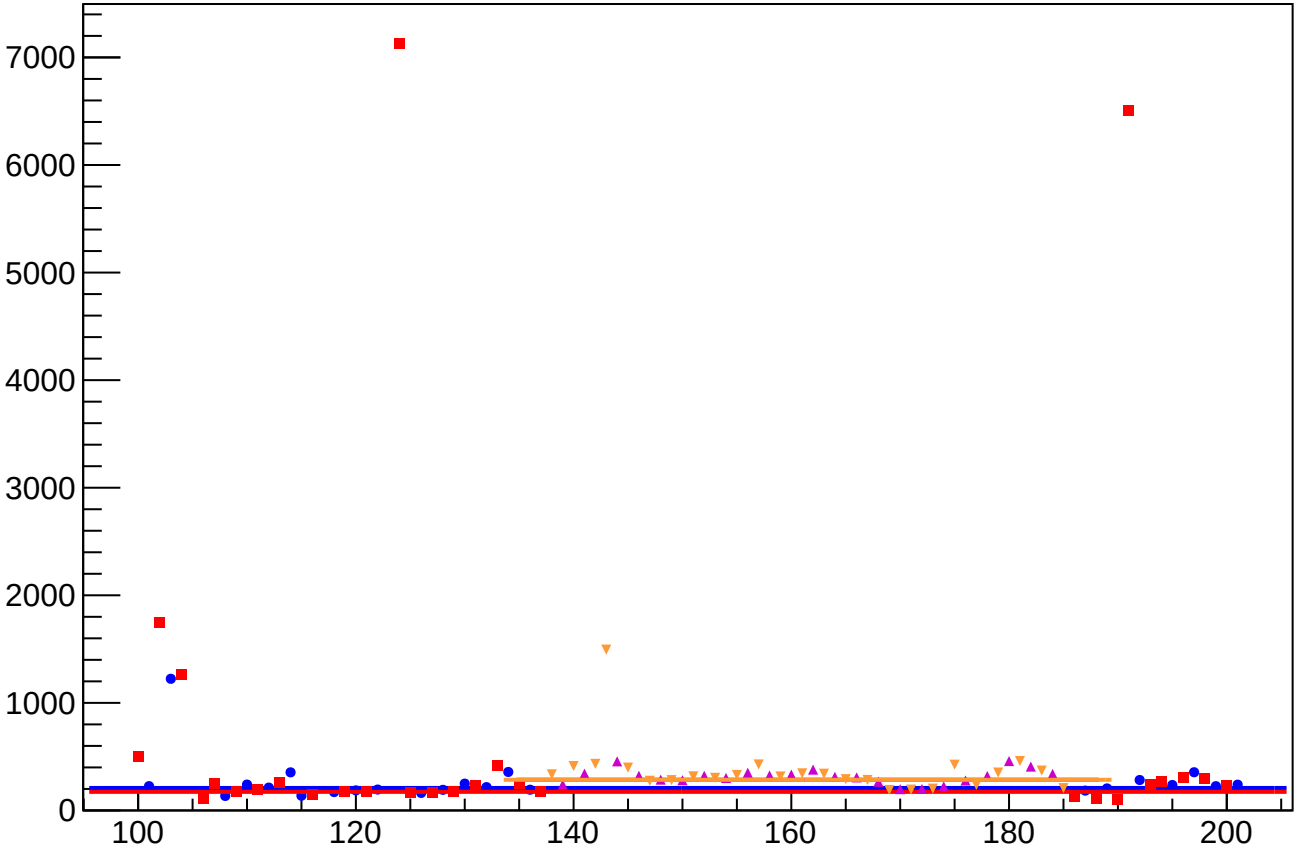
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.025+/-0.047 χ^2/NDF: 44.5/47

All: -0.011+/-0.032 χ^2/NDF: 106.0/98

- sign 0.000+/-0.043 χ^2/NDF: 61.4/50

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

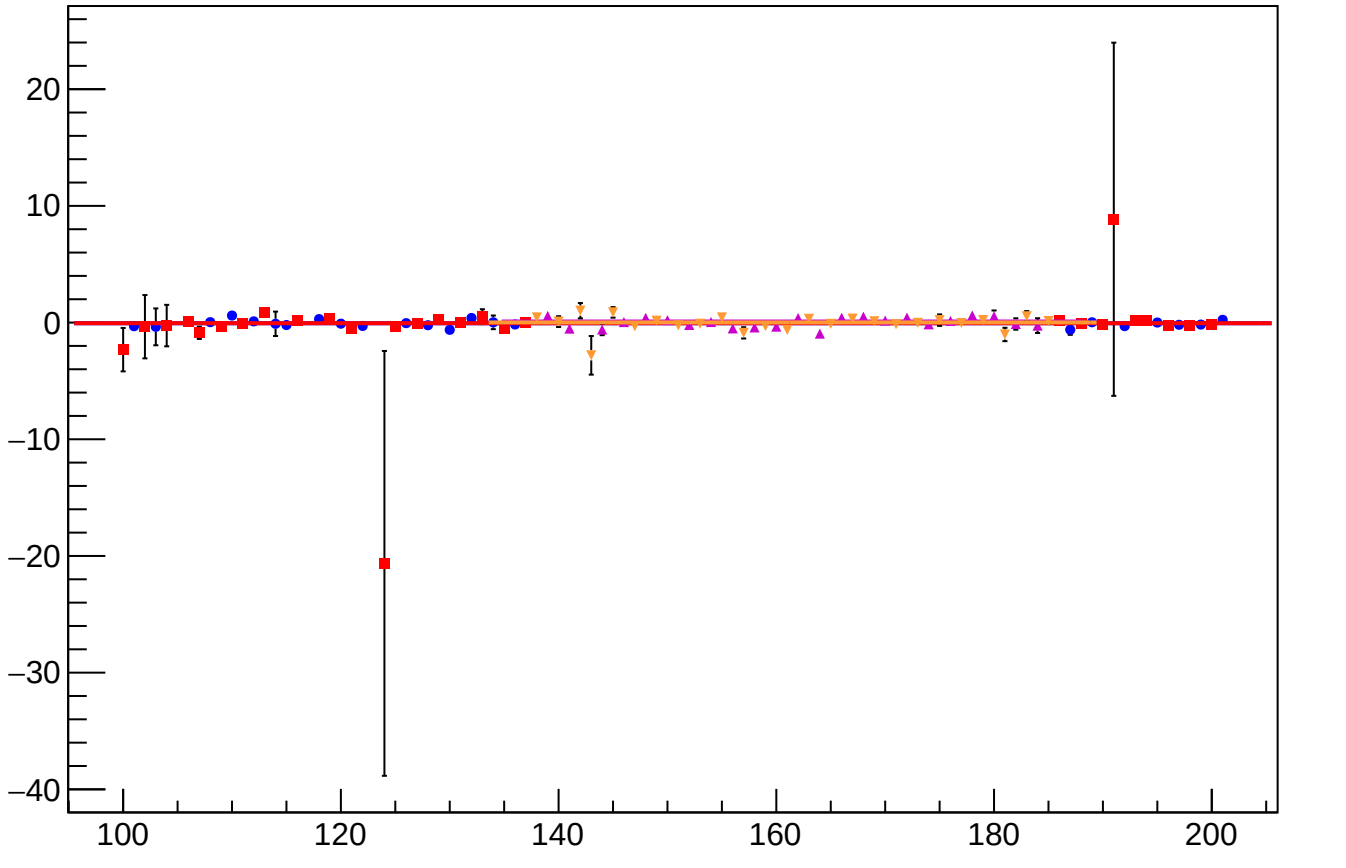
Right Out: 172.864+/-0.038 χ^2/NDF: 4808017.7/27

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.815+/-0.033 χ^2/NDF: 6618608.0/47

All: 227.982+/-0.022 χ^2/NDF: 16818552.5/98

- sign 214.878+/-0.030 χ^2/NDF: 9788595.7/50



Right In: -0.058+/-0.064 χ^2/NDF: 15.7/22

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

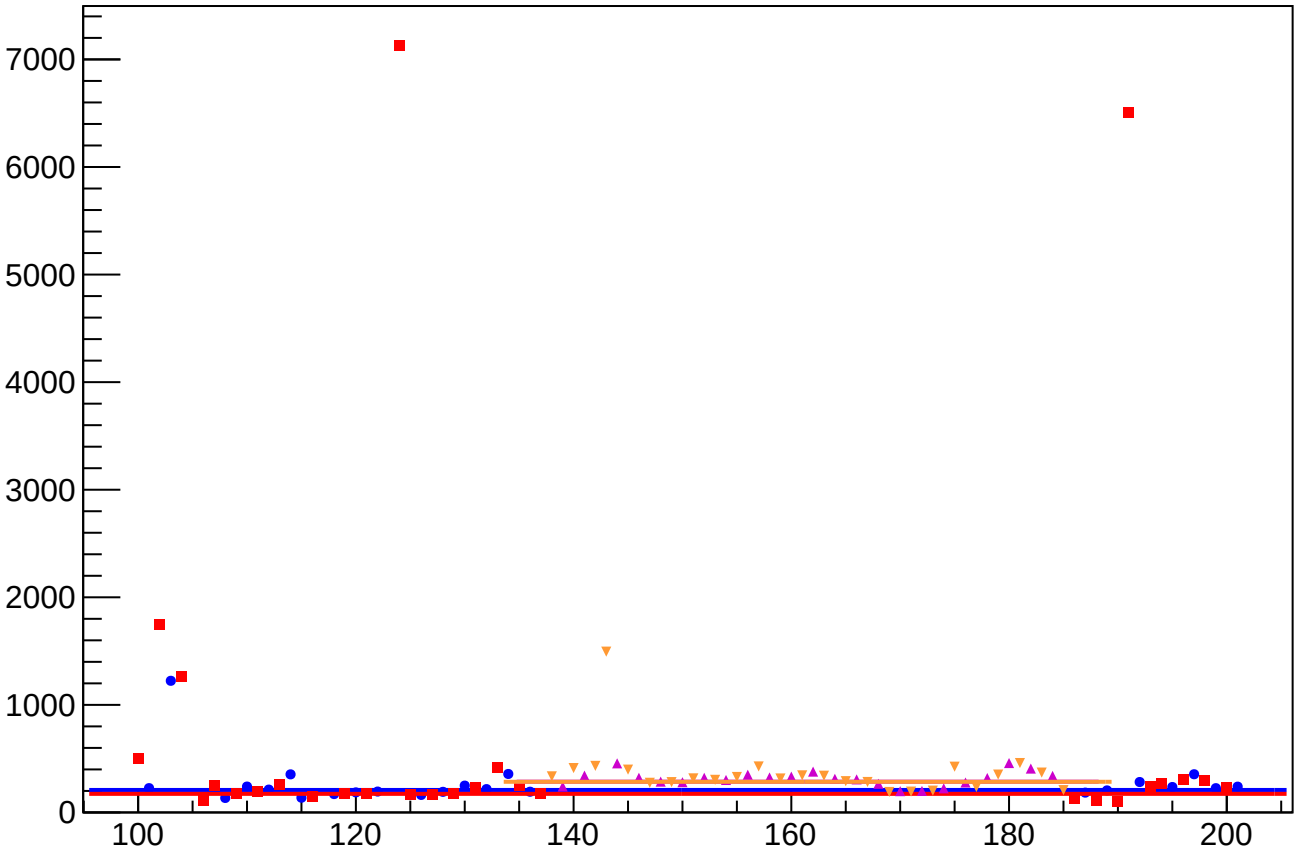
Right Out: -0.054+/-0.054 χ^2/NDF: 27.8/27

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

\+ sign -0.025+/-0.047 χ^2/NDF: 44.5/47

All: -0.011+/-0.032 χ^2/NDF: 106.0/98

\- sign 0.000+/-0.043 χ^2/NDF: 61.4/50



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: 172.864+/-0.038 χ^2/NDF: 4808017.7/27

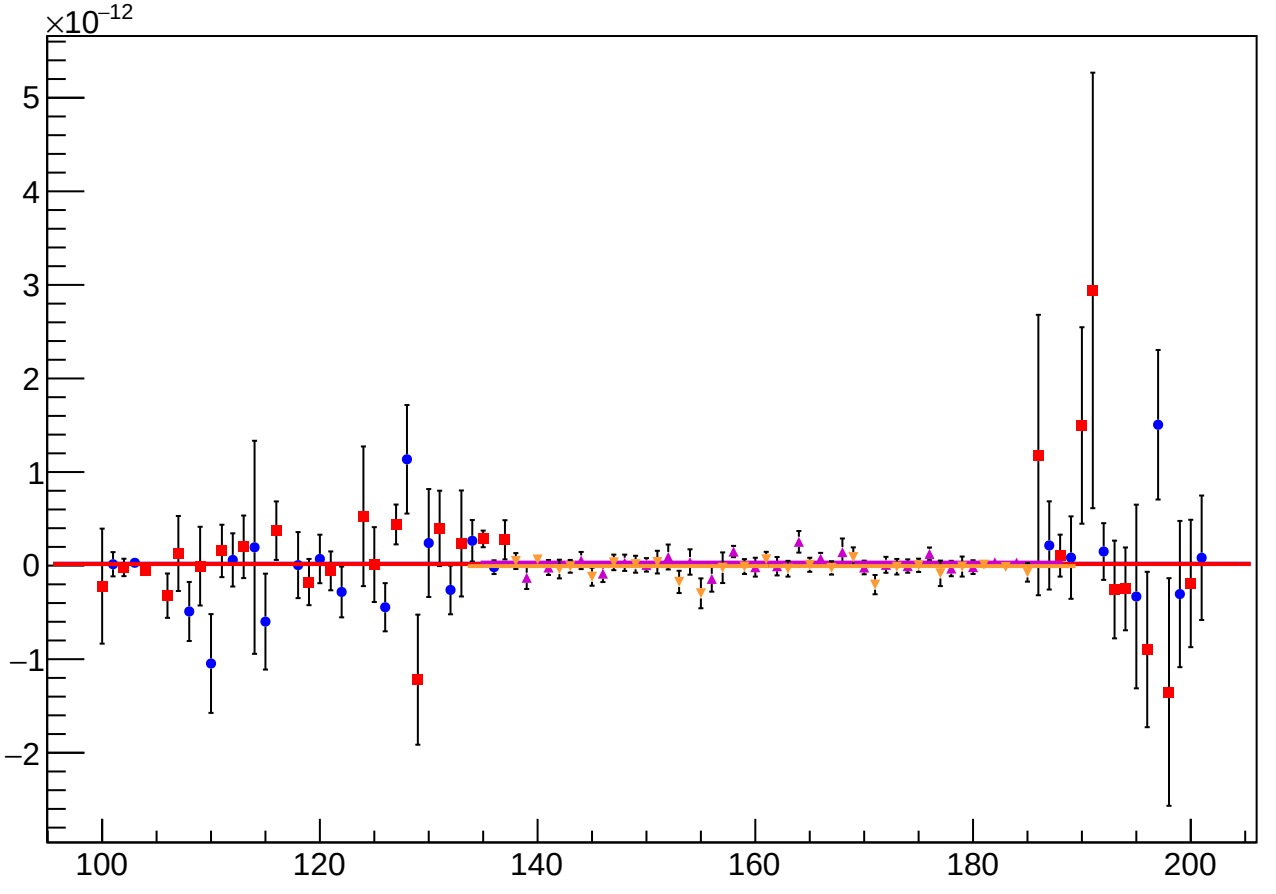
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.815+/-0.033 χ^2/NDF: 6618608.0/47

All: 227.982+/-0.022 χ^2/NDF: 16818552.5/98

- sign 214.878+/-0.030 χ^2/NDF: 9788595.7/50

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: 34.7/27

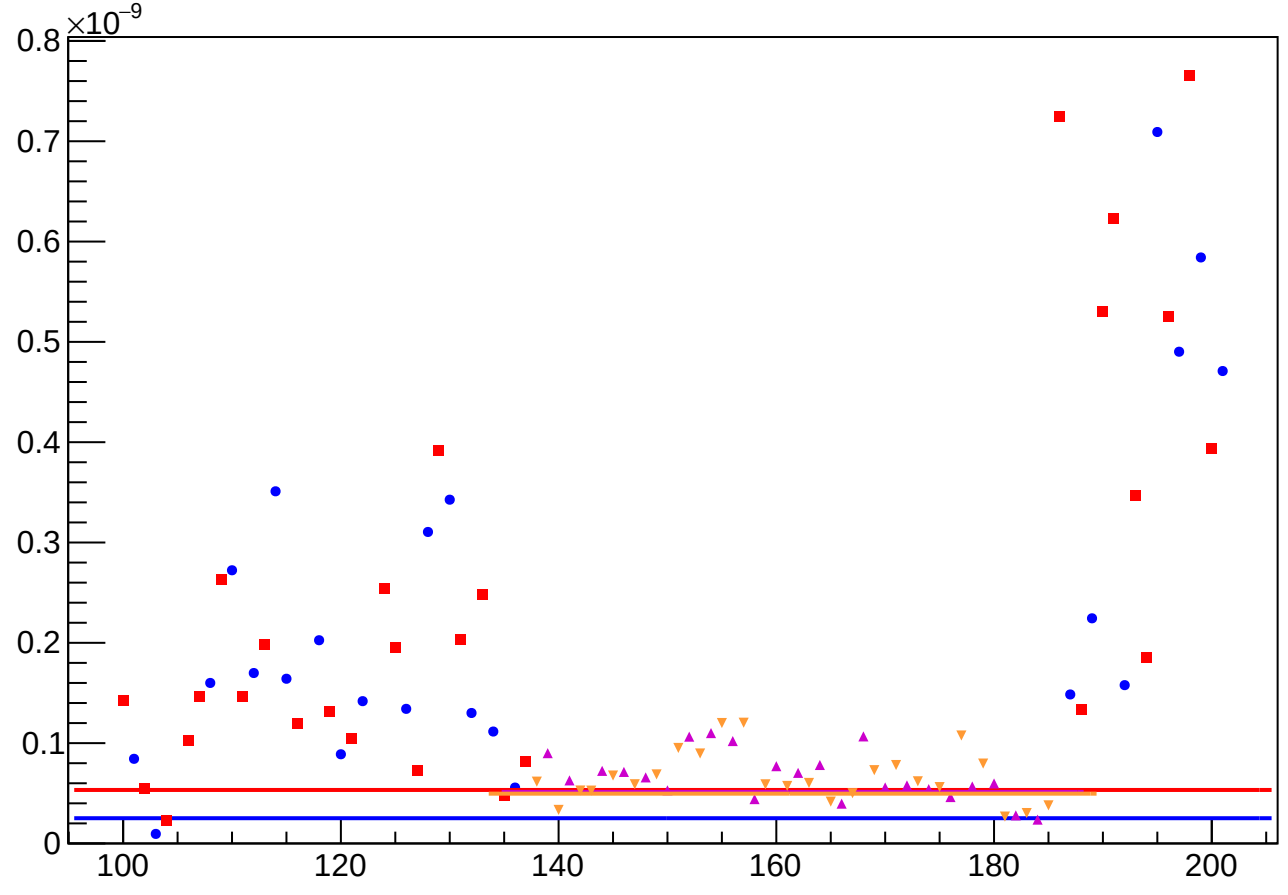
Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/47

All: 0.000+/-0.000 χ^2/NDF: 96.5/98

- sign 0.000+/-0.000 χ^2/NDF: 53.6/50

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10945244.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8140328.7/27

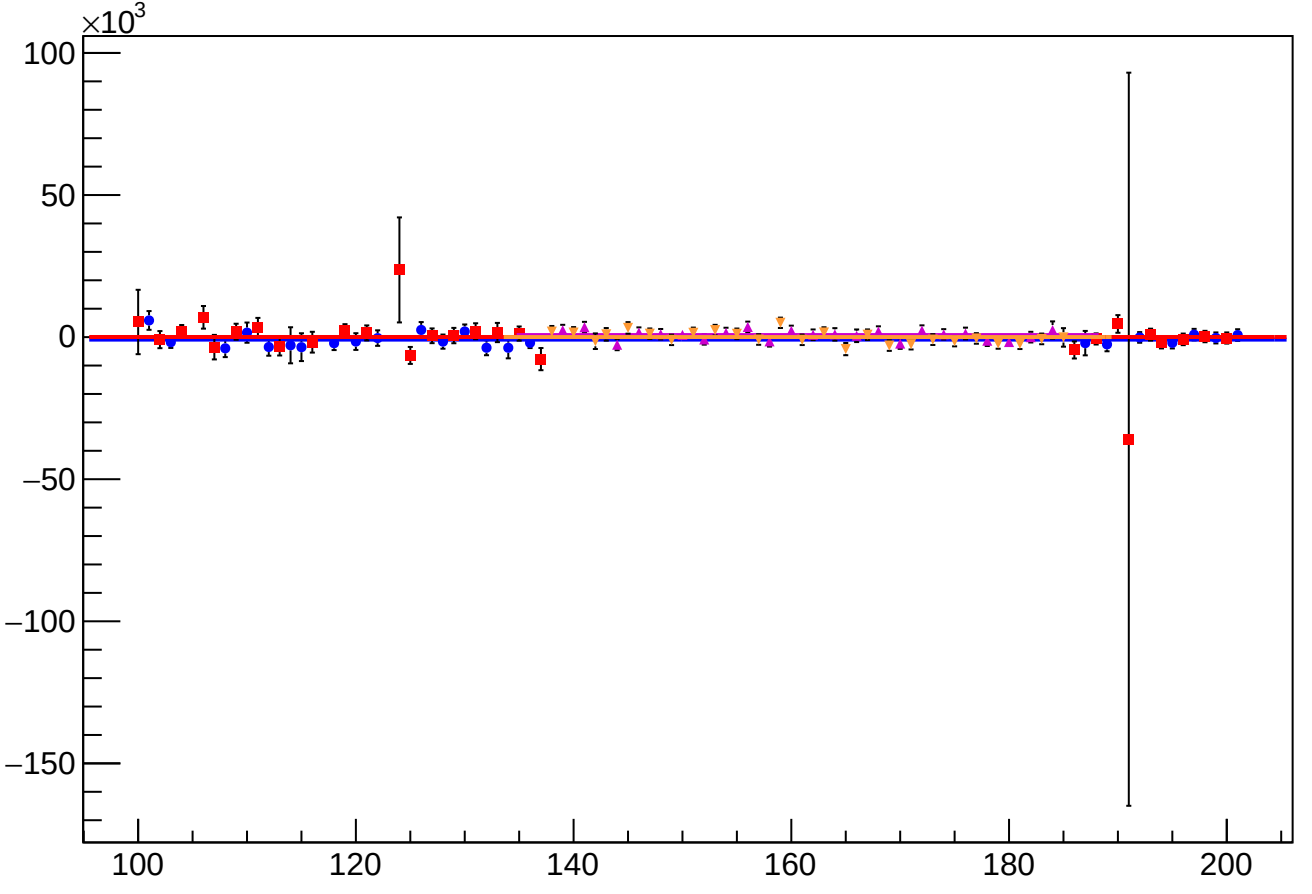
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 16679931.3/47

All: 0.000+/-0.000 χ^2/NDF: 29161344.1/98

- sign 0.000+/-0.000 χ^2/NDF: 11806172.9/50

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: 46.519+/-518.005 χ^2/NDF: 26.6/27

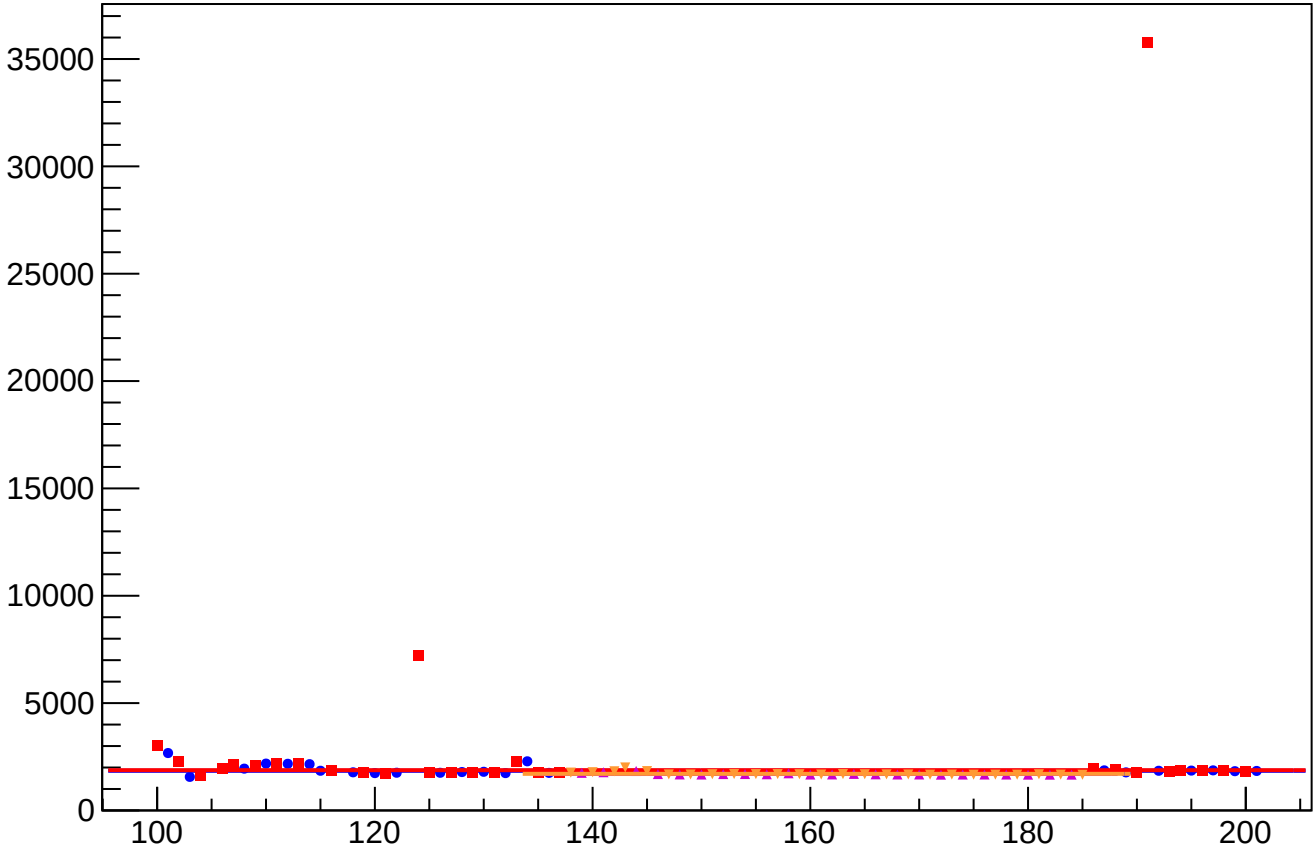
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -290.475+/-312.528 χ^2/NDF: 46.2/47

All: 87.431+/-221.799 χ^2/NDF: 95.9/98

- sign 470.916+/-314.826 χ^2/NDF: 46.7/50

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: 1875.767+/-0.366 χ^2/NDF: 511818.0/27

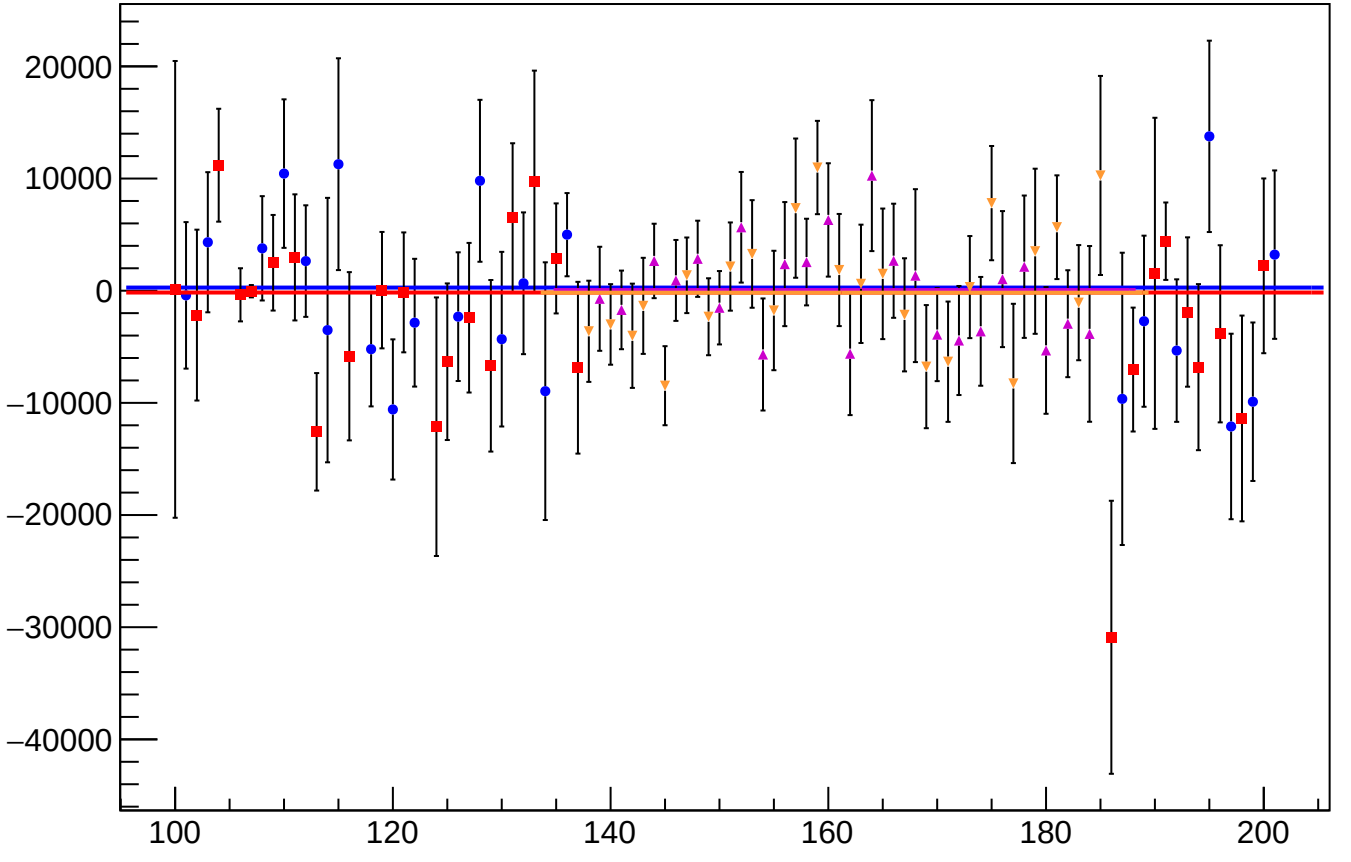
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1755.041+/-0.221 χ^2/NDF: 414978.7/47

All: 1759.222+/-0.157 χ^2/NDF: 1098249.0/98

- sign 1763.461+/-0.223 χ^2/NDF: 682549.4/50

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: -163.020+/-492.406 χ^2/NDF: 30.3/27

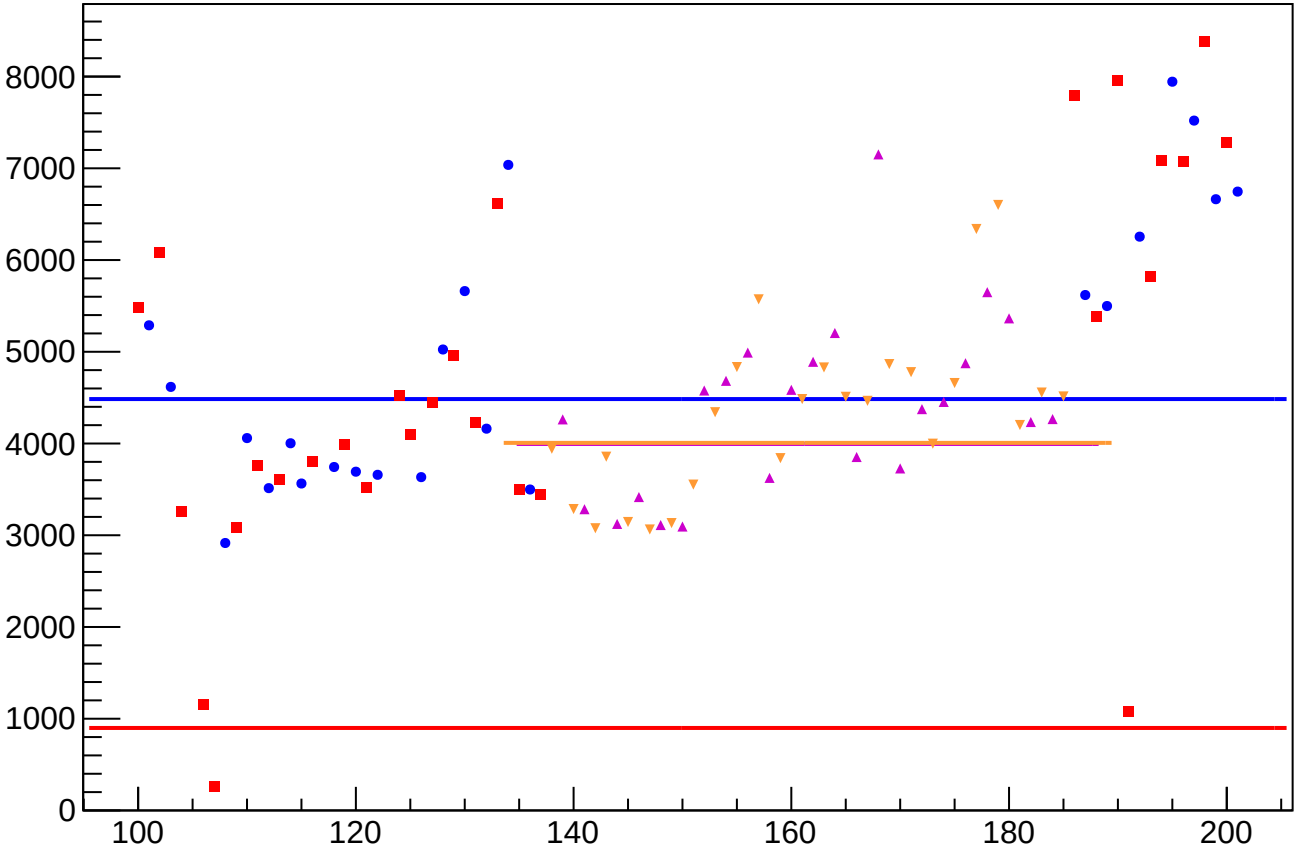
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign -26.523+/-766.805 χ^2/NDF: 50.6/47

All: -94.784+/-380.189 χ^2/NDF: 95.3/98

- sign -117.034+/-437.788 χ^2/NDF: 44.7/50

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: 899.250+/-0.348 χ^2/NDF: 19783719.0/27

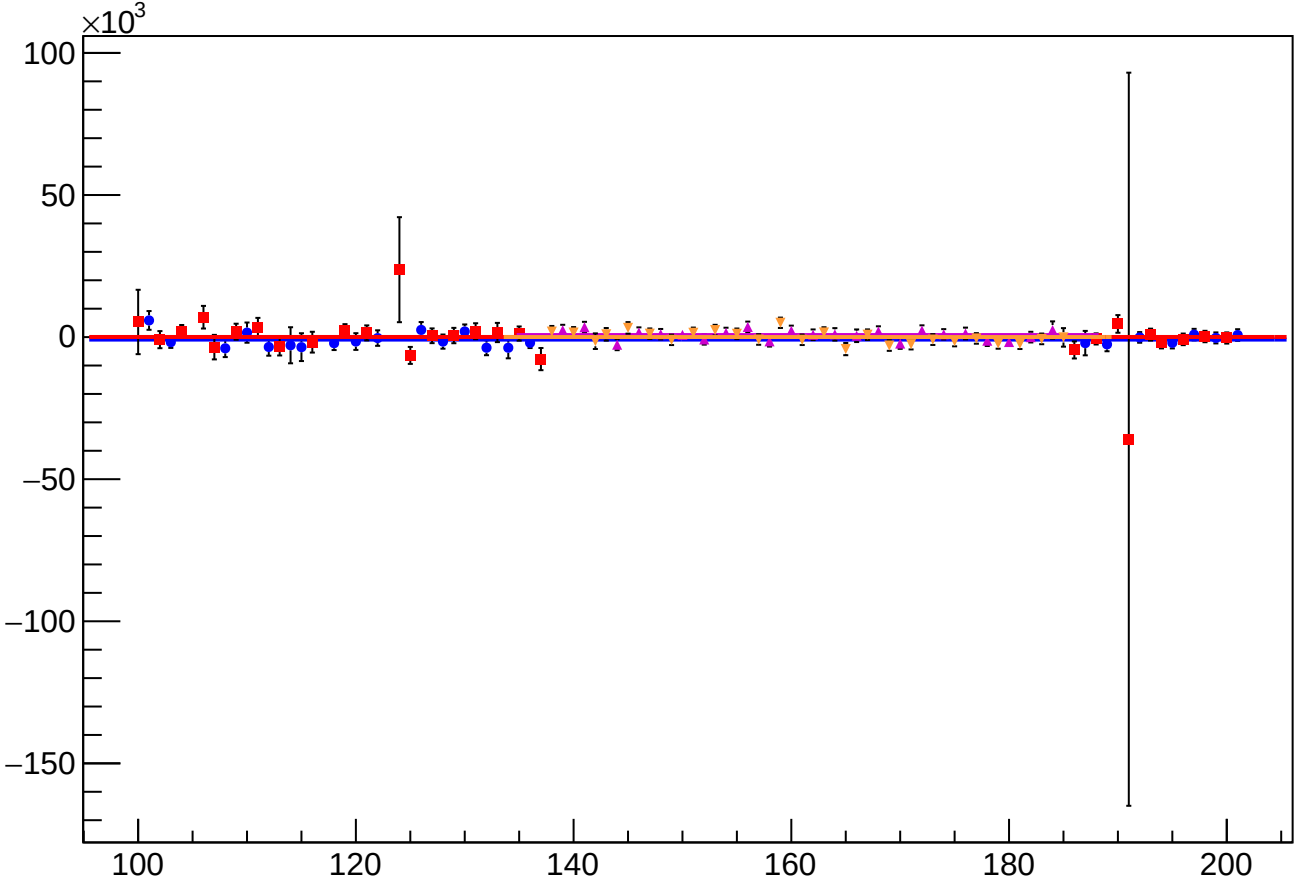
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4163.453+/-0.542 χ^2/NDF: 3678537.9/47

All: 2190.886+/-0.269 χ^2/NDF: 59113483.3/9

- sign 1547.917+/-0.310 χ^2/NDF: 37885926.0/50

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: 46.697+/-518.005 χ^2/NDF: 26.6/27

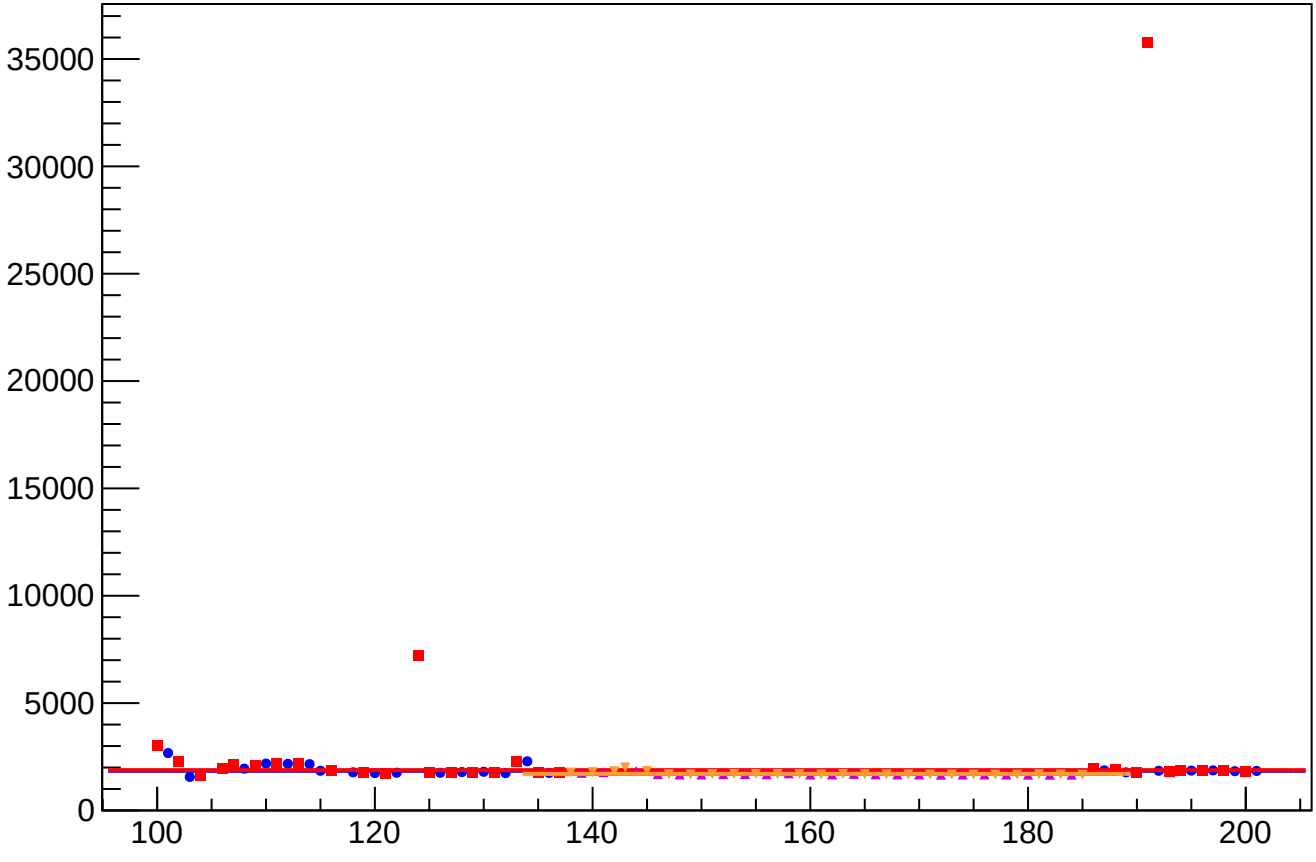
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -290.345+/-312.528 χ^2/NDF: 46.2/47

All: 87.491+/-221.799 χ^2/NDF: 95.9/98

- sign 470.904+/-314.826 χ^2/NDF: 46.8/50

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: 1876.011+/-0.366 χ^2/NDF: 512088.5/27

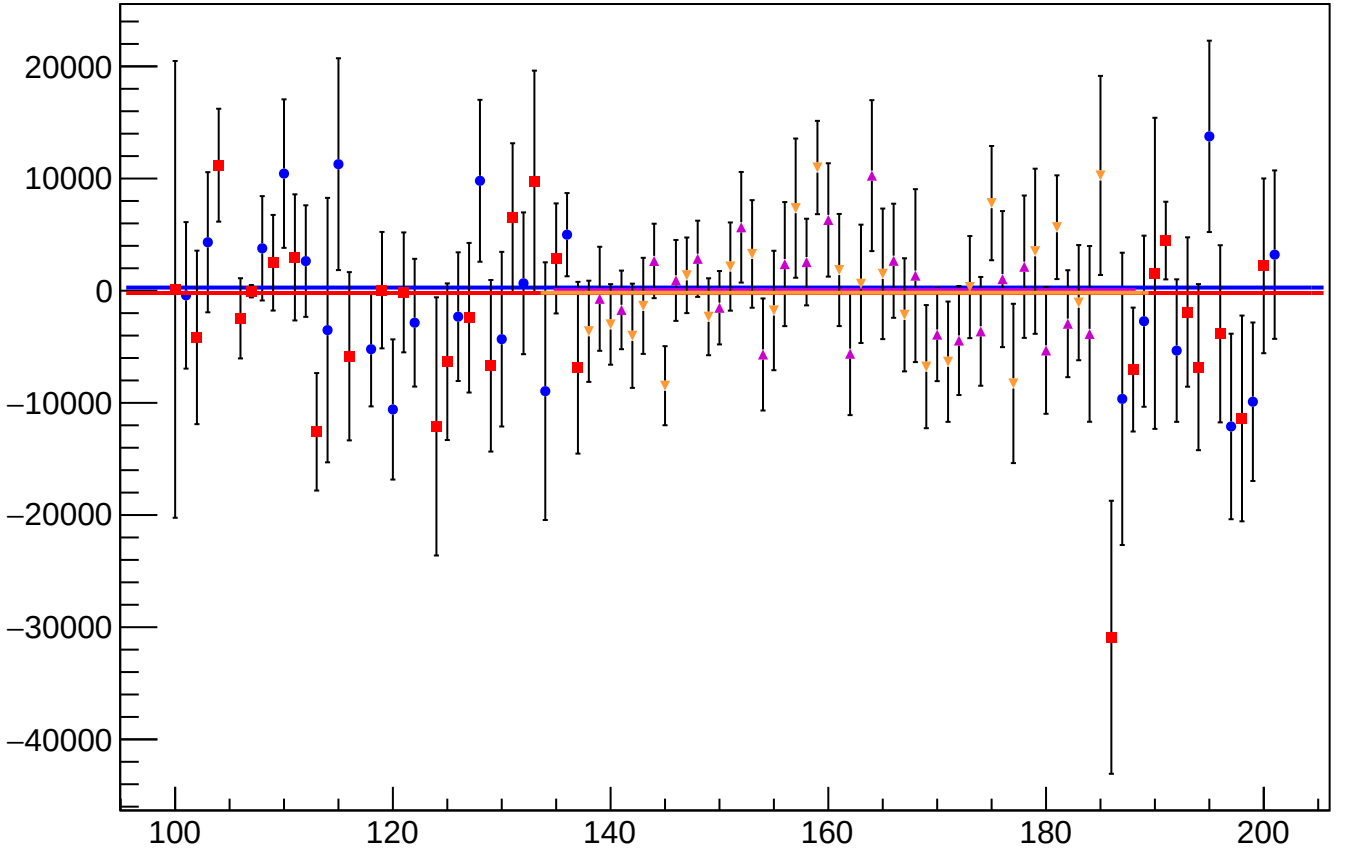
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1755.041+/-0.221 χ^2/NDF: 414978.1/47

All: 1759.262+/-0.157 χ^2/NDF: 1098919.2/98

- sign 1763.541+/-0.223 χ^2/NDF: 683206.4/50

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: -205.623+/-498.521 χ^2/NDF: 31.0/27

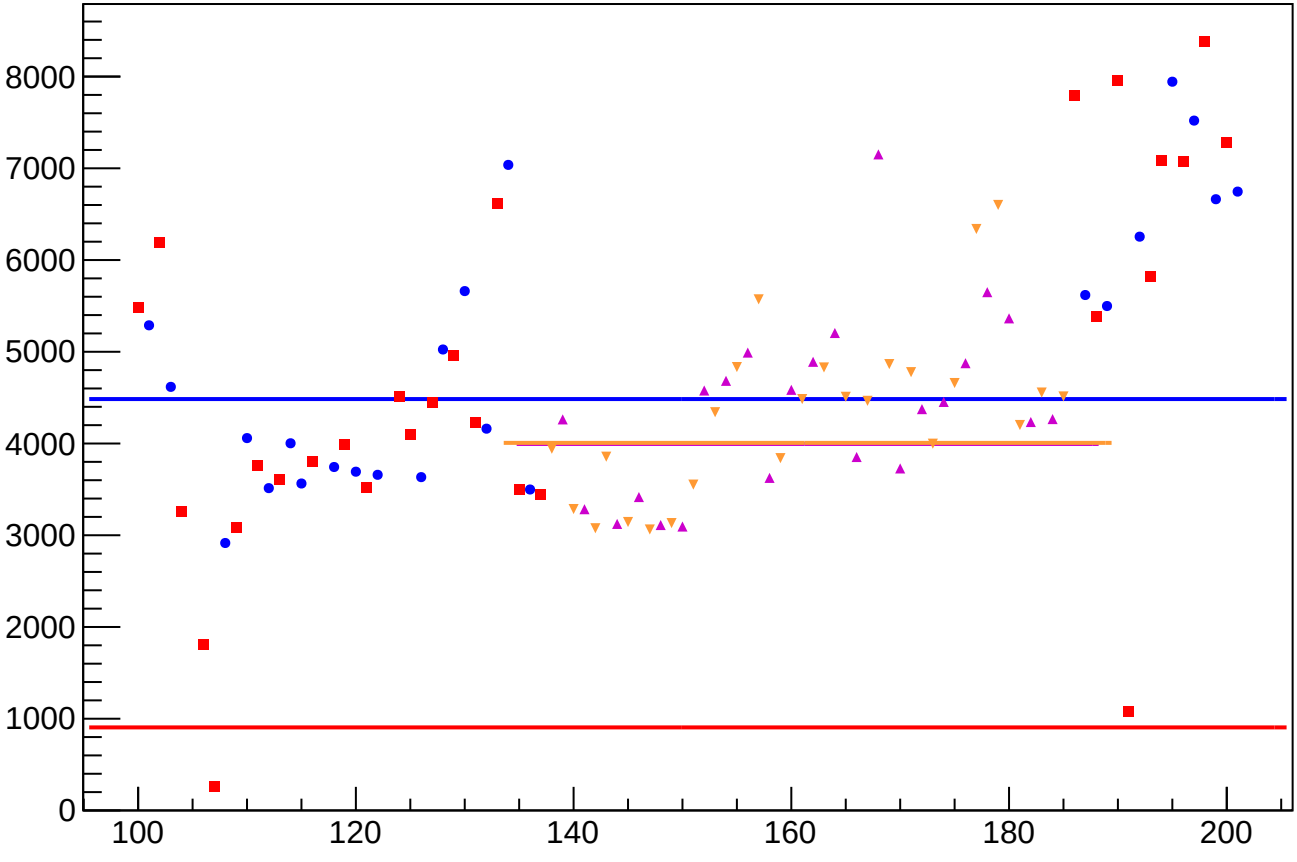
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -26.519+/-766.805 χ^2/NDF: 50.6/47

All: -118.931+/-382.983 χ^2/NDF: 95.9/98

- sign -149.646+/-442.069 χ^2/NDF: 45.3/50

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: 905.332+/-0.353 χ^2/NDF: 19900952.7/27

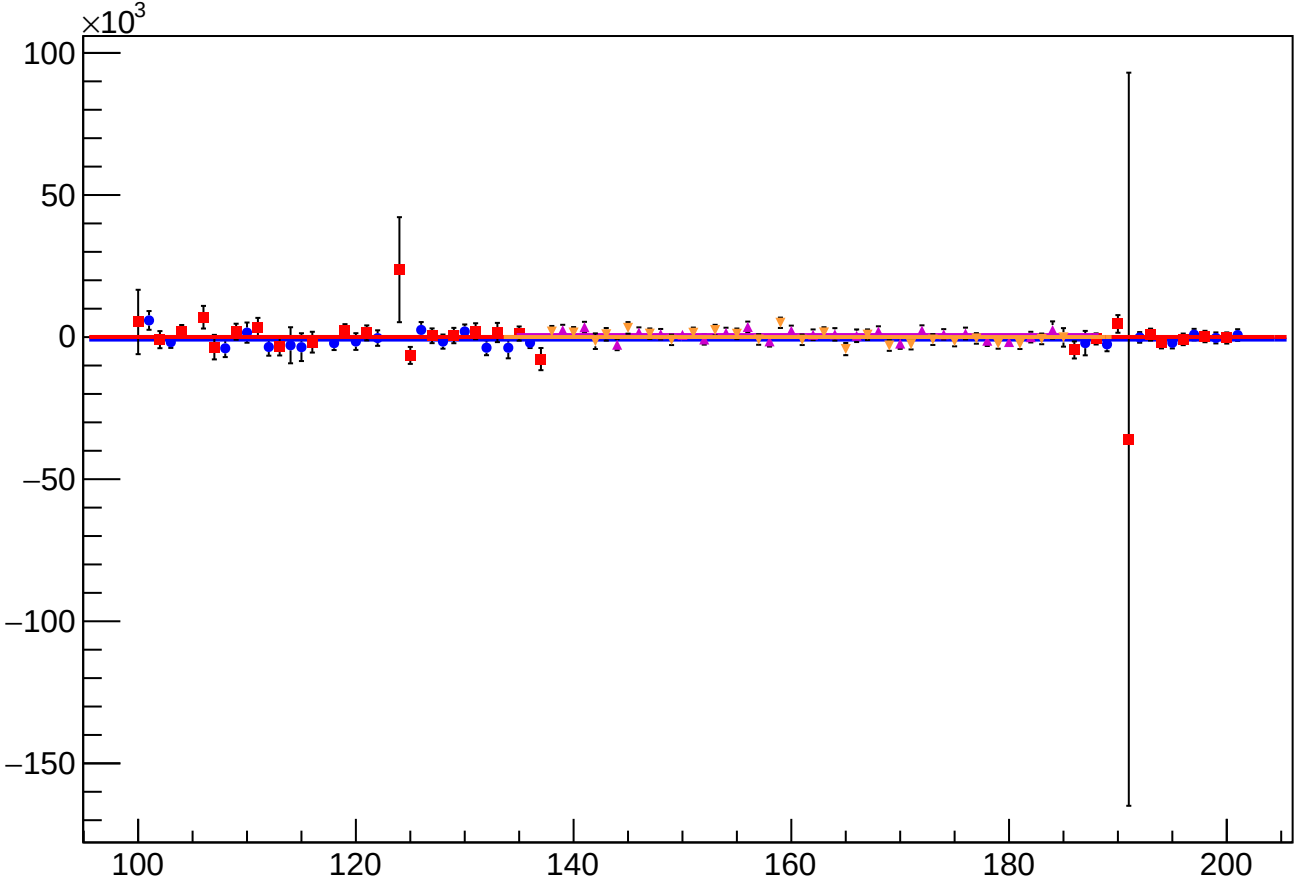
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4163.451+/-0.542 χ^2/NDF: 3678585.1/47

All: 2213.526+/-0.271 χ^2/NDF: 58762050.8/9

- sign 1565.447+/-0.313 χ^2/NDF: 37852171.7/50

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: 46.697+/-518.005 χ^2/NDF: 26.6/27

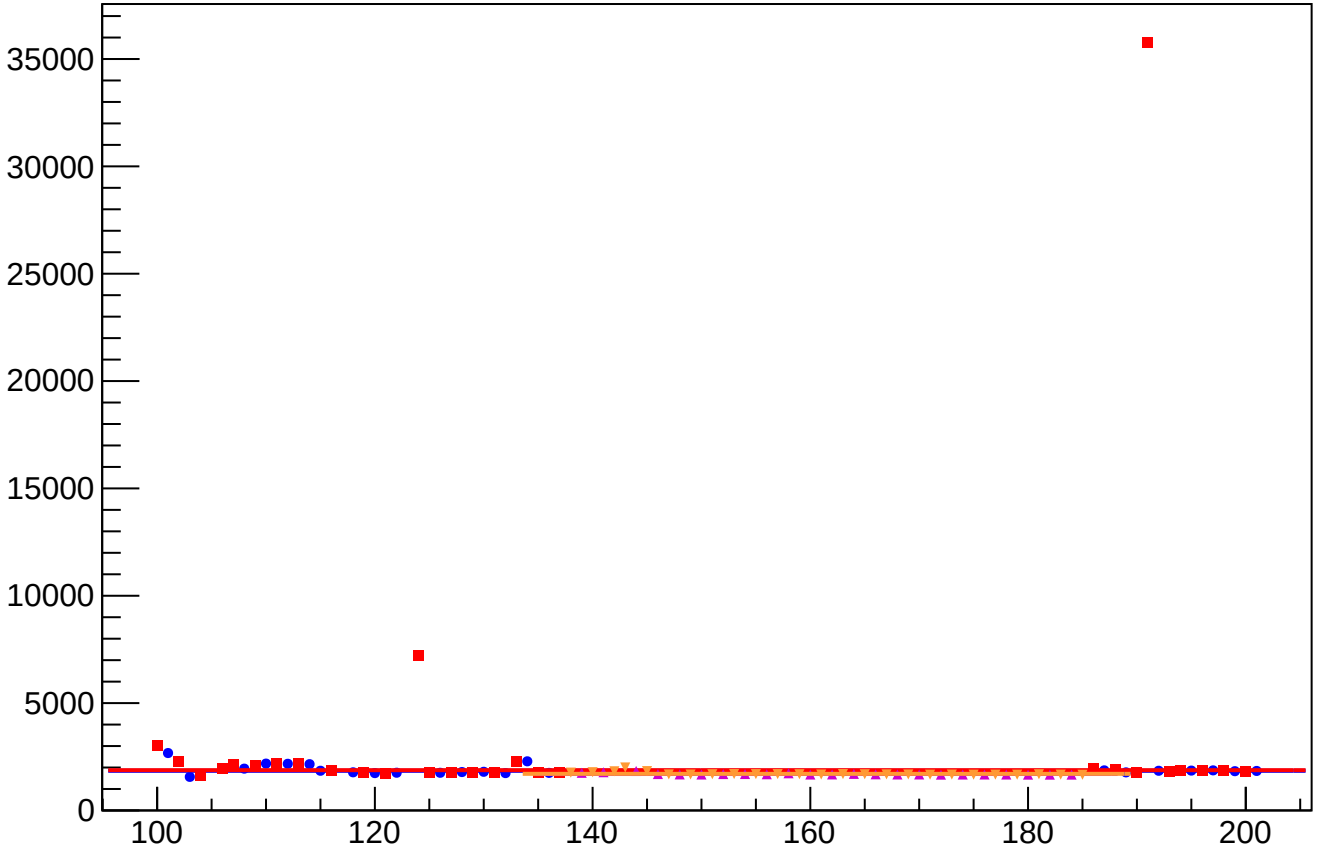
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -290.345+/-312.528 χ^2/NDF: 46.2/47

All: 87.491+/-221.799 χ^2/NDF: 95.9/98

- sign 470.904+/-314.826 χ^2/NDF: 46.8/50

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

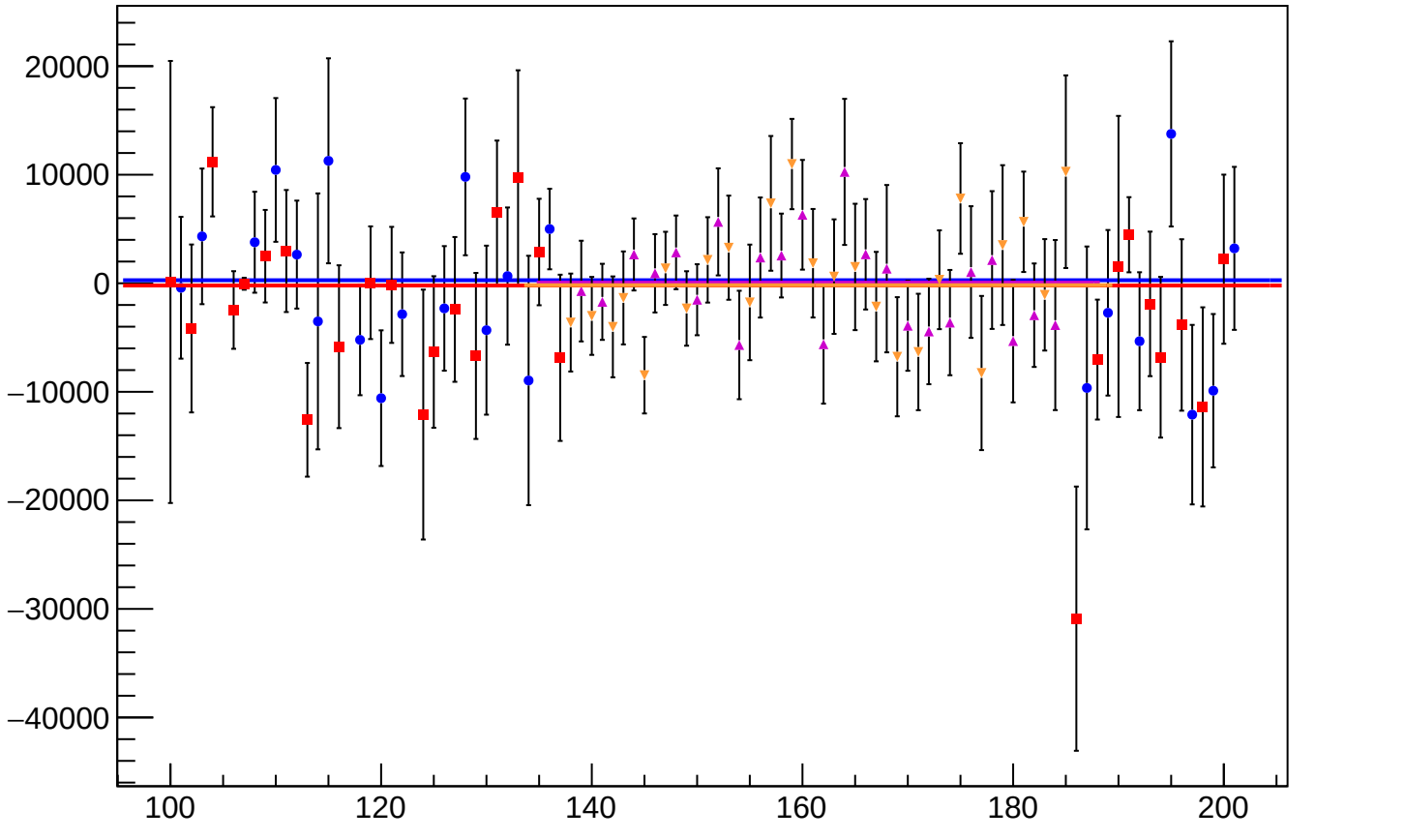
Right Out: 1876.011+/-0.366 χ^2/NDF: 512088.5/27

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1755.041+/-0.221 χ^2/NDF: 414978.1/47

All: 1759.262+/-0.157 χ^2/NDF: 1098919.2/98

- sign 1763.541+/-0.223 χ^2/NDF: 683206.4/50



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: -205.623+/-498.521 χ^2/NDF: 31.0/27

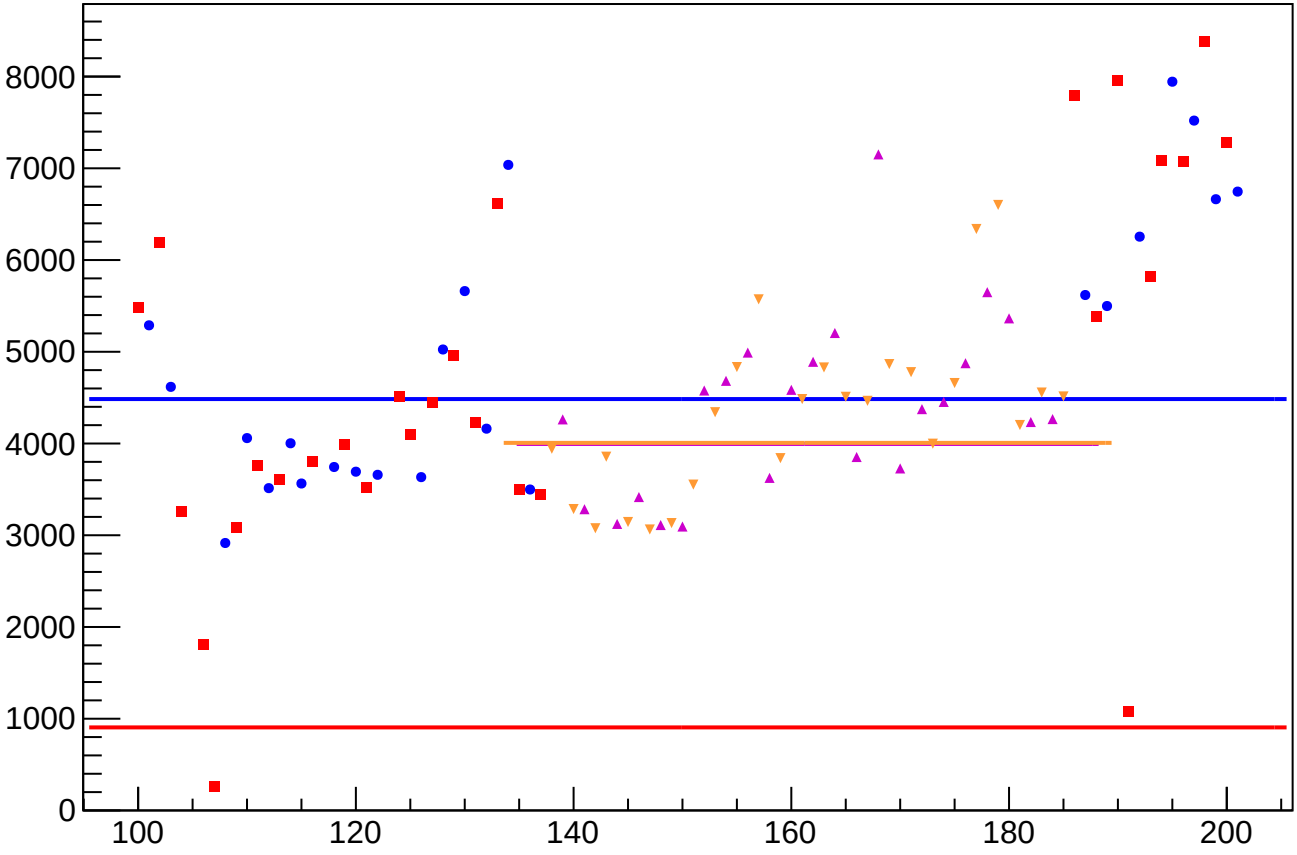
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -26.519+/-766.805 χ^2/NDF: 50.6/47

All: -118.931+/-382.983 χ^2/NDF: 95.9/98

- sign -149.646+/-442.069 χ^2/NDF: 45.3/50

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: 905.332+/-0.353 χ^2/NDF: 19900952.7/27

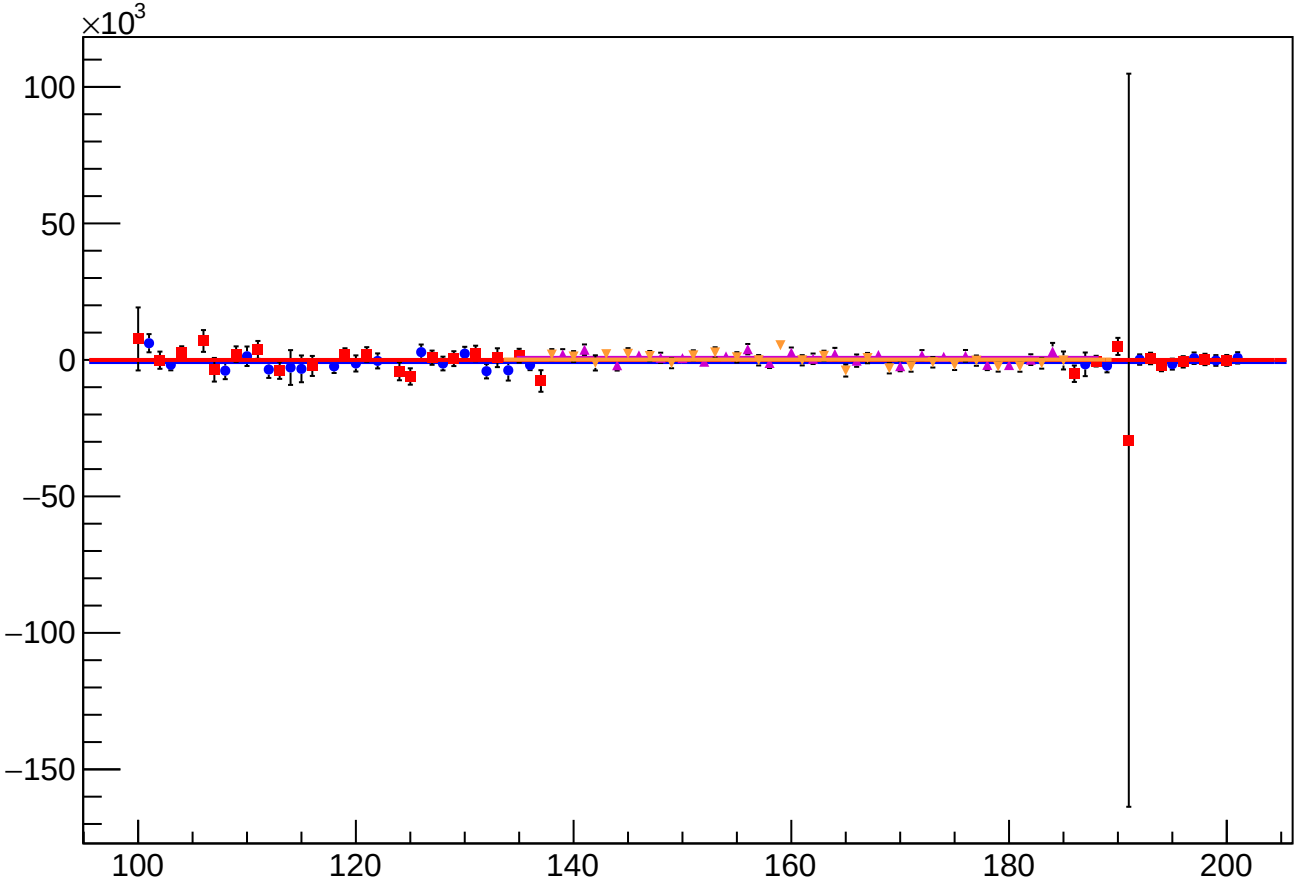
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4163.451+/-0.542 χ^2/NDF: 3678585.1/47

All: 2213.526+/-0.271 χ^2/NDF: 58762050.8/9

- sign 1565.447+/-0.313 χ^2/NDF: 37852171.7/50

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: -19.574+/-518.915 χ^2/NDF: 28.0/27

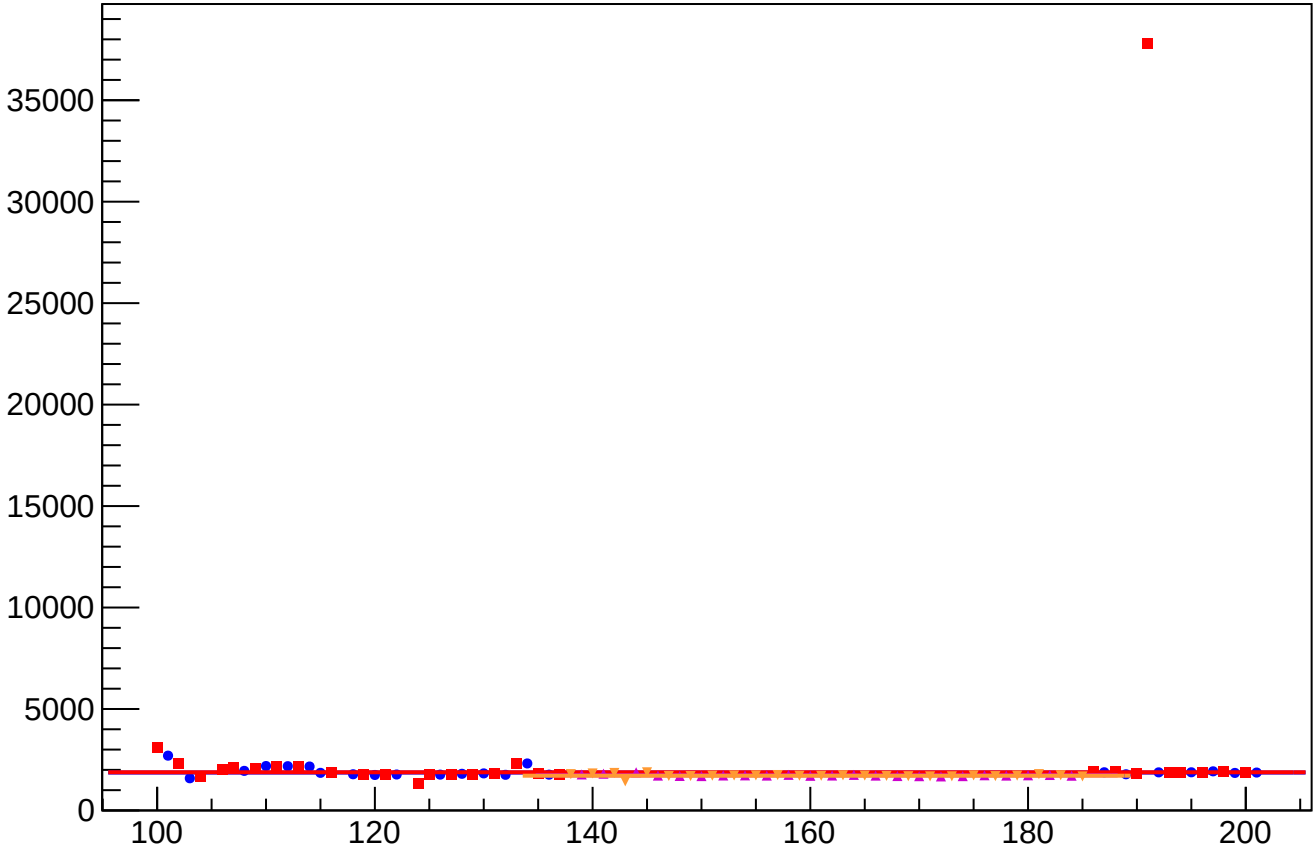
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -194.172+/-314.667 χ^2/NDF: 46.7/47

All: 125.599+/-223.970 χ^2/NDF: 97.1/98

- sign 453.945+/-318.858 χ^2/NDF: 48.3/50

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: 1881.735+/-0.367 χ^2/NDF: 409310.1/27

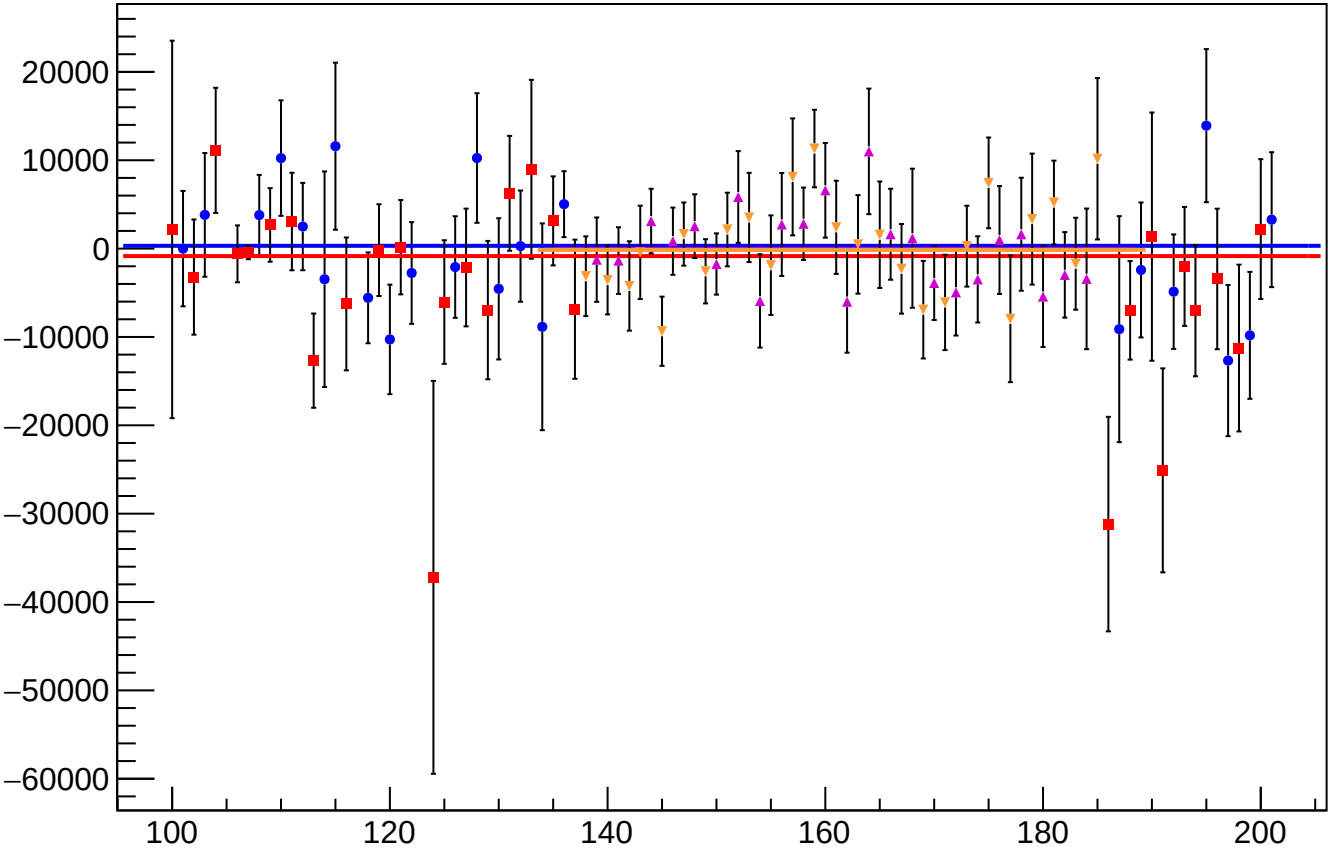
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1766.156+/-0.223 χ^2/NDF: 465140.8/47

All: 1776.707+/-0.158 χ^2/NDF: 1008101.5/98

- sign 1787.536+/-0.225 χ^2/NDF: 538404.4/50

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: -848.695+/-640.080 χ^2/NDF: 31.3/27

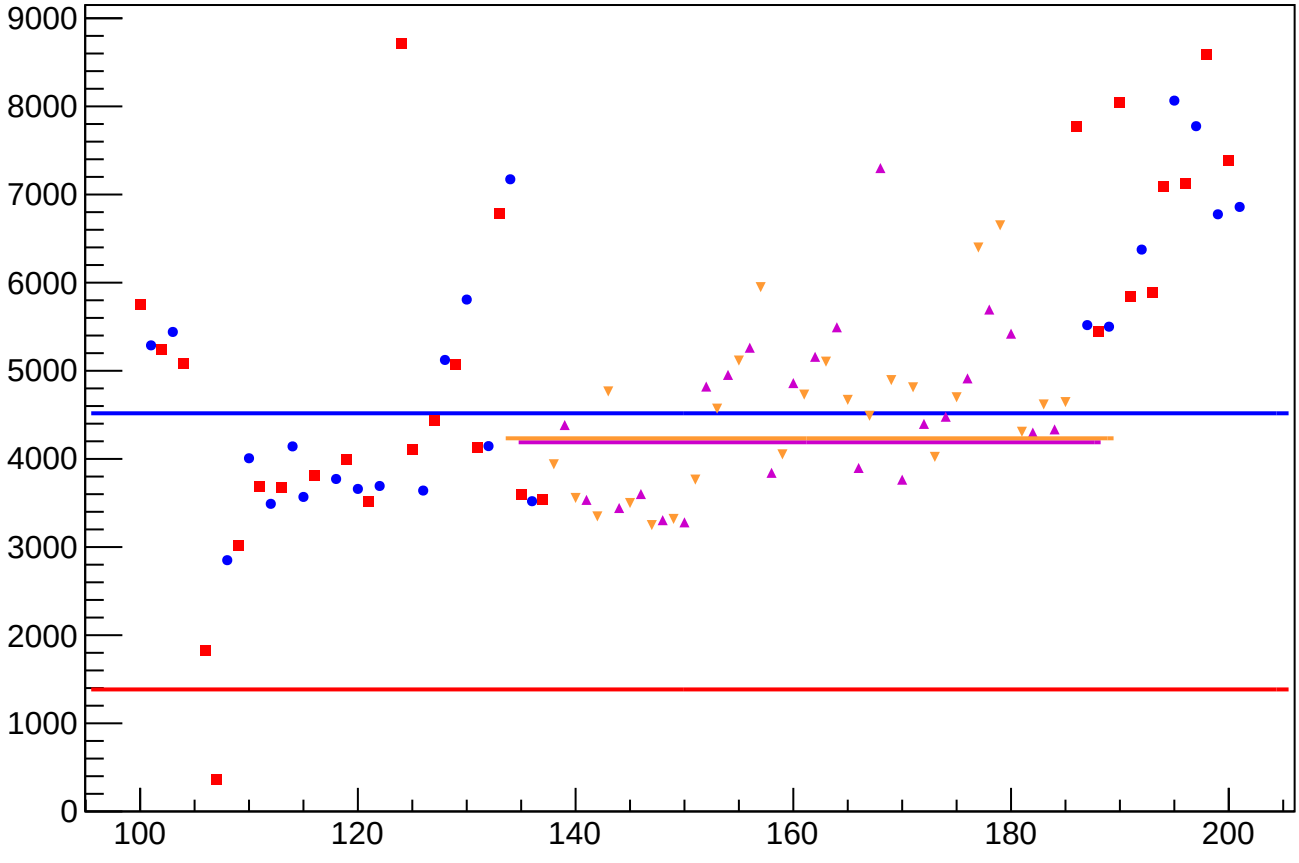
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 11.373+/-795.914 χ^2/NDF: 49.1/47

All: -422.121+/-446.359 χ^2/NDF: 95.3/98

- sign -621.013+/-539.118 χ^2/NDF: 45.8/50

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: 1384.492+/-0.453 χ^2/NDF: 17795097.0/27

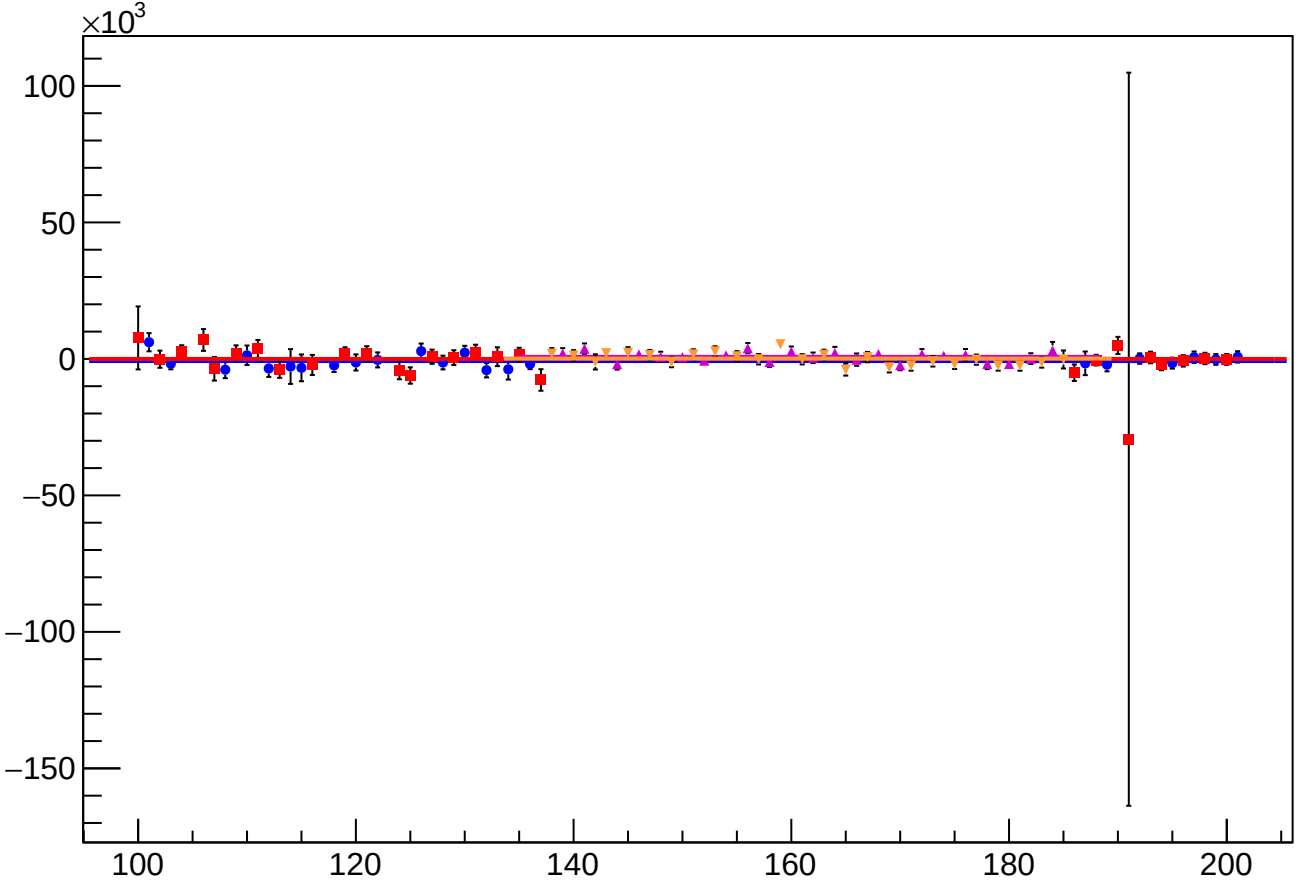
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4332.410+/-0.563 χ^2/NDF: 3500997.2/47

All: 2870.259+/-0.316 χ^2/NDF: 43643246.2/9

- sign 2199.407+/-0.381 χ^2/NDF: 30295775.6/50

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: -19.571+/-518.915 χ^2/NDF: 28.0/27

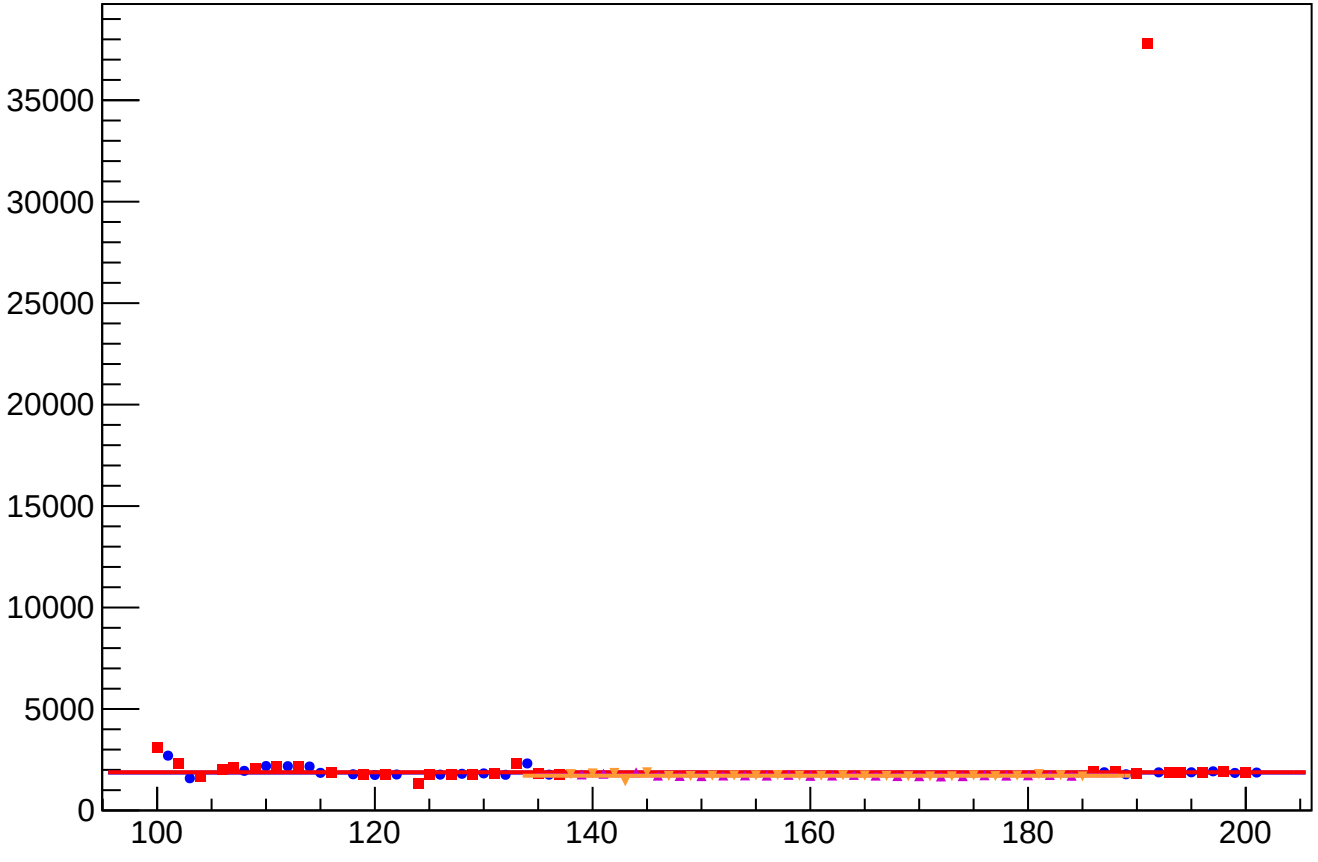
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -194.171+/-314.667 χ^2/NDF: 46.7/47

All: 125.600+/-223.970 χ^2/NDF: 97.1/98

- sign 453.945+/-318.858 χ^2/NDF: 48.3/50

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

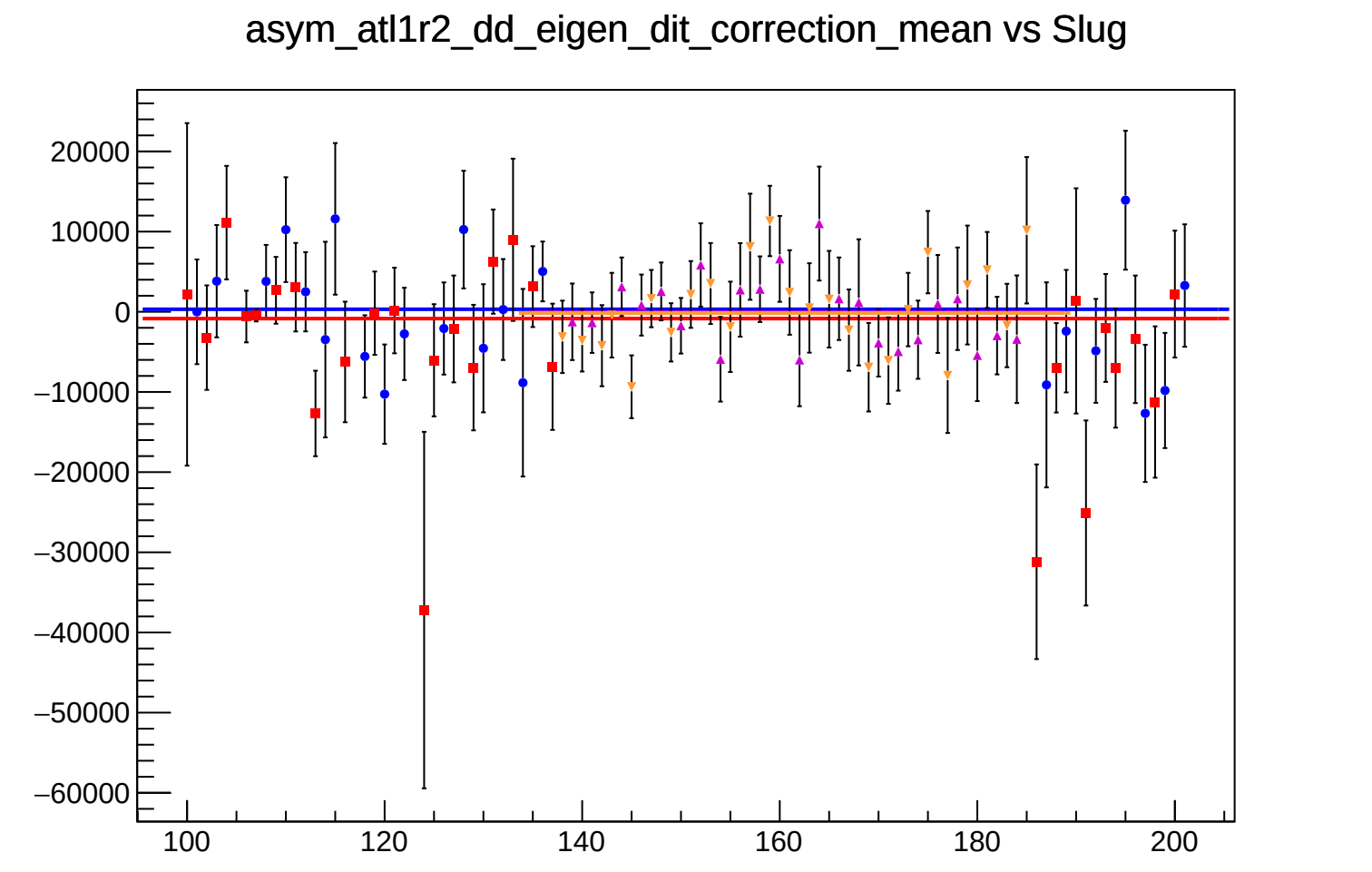
Right Out: 1881.735+/-0.367 χ^2/NDF: 409310.5/27

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1766.156+/-0.223 χ^2/NDF: 465138.8/47

All: 1776.707+/-0.158 χ^2/NDF: 1008099.2/98

- sign 1787.537+/-0.225 χ^2/NDF: 538404.1/50



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: -848.713+/-640.090 χ^2/NDF: 31.3/27

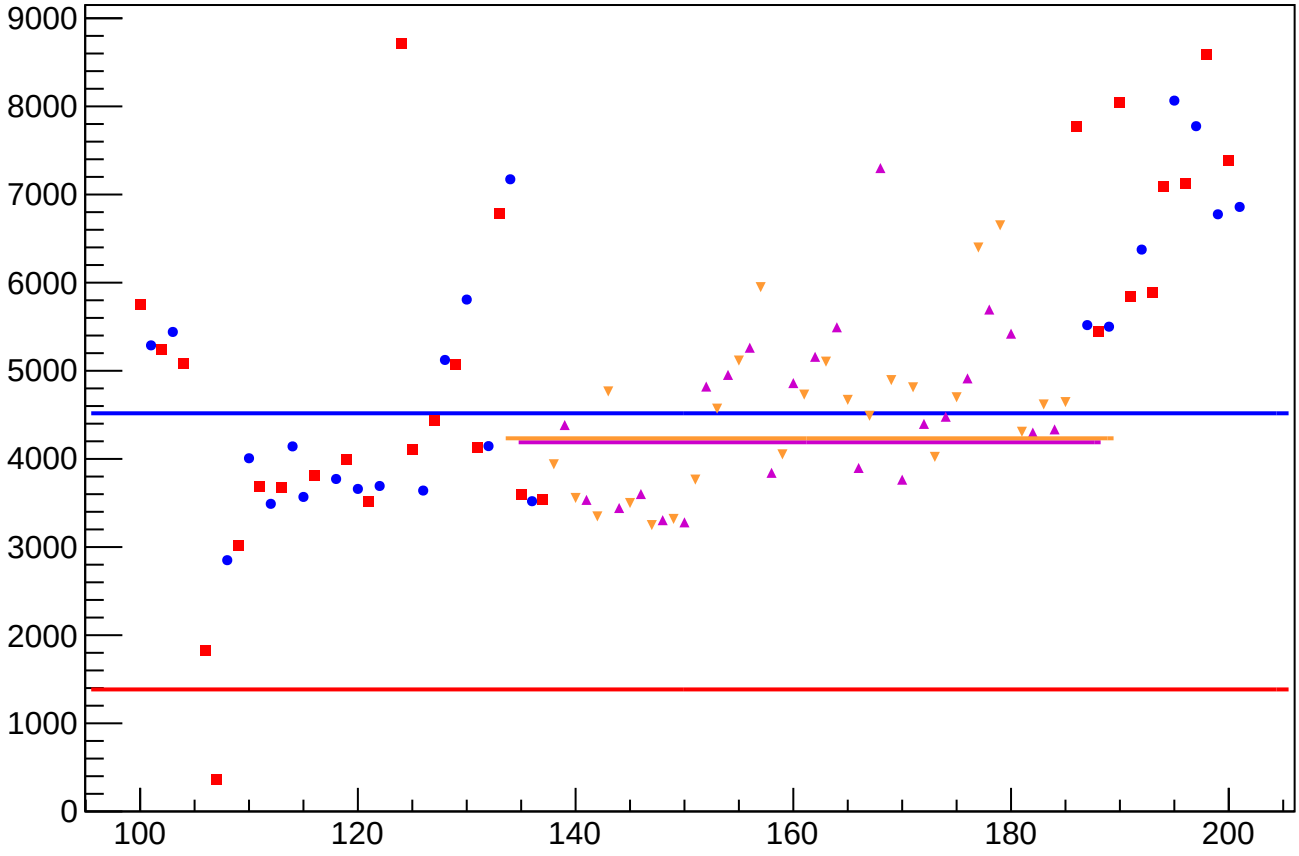
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 11.369+/-795.915 χ^2/NDF: 49.1/47

All: -422.125+/-446.362 χ^2/NDF: 95.3/98

- sign -621.022+/-539.124 χ^2/NDF: 45.8/50

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: 1384.530+/-0.453 χ^2/NDF: 17794868.7/27

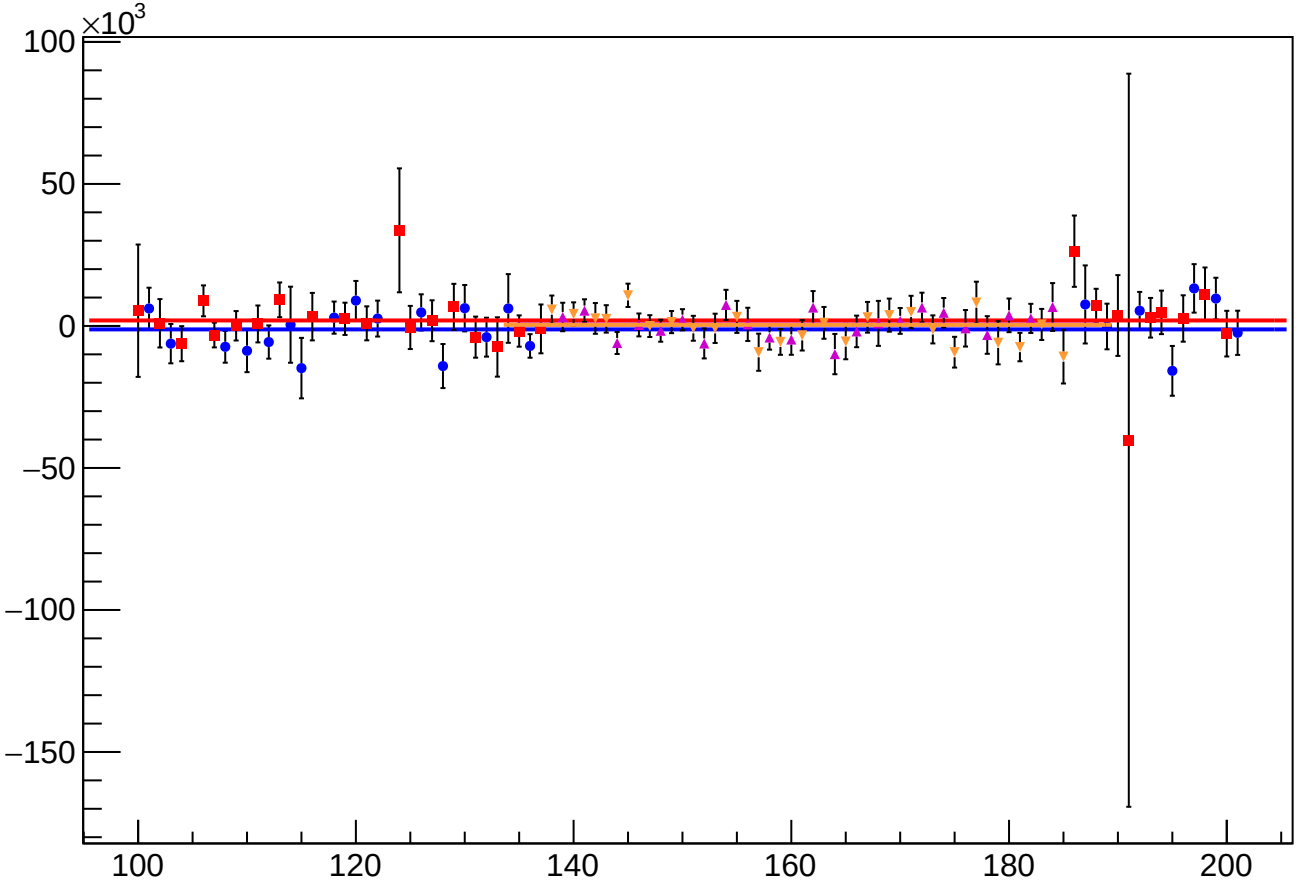
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4332.412+/-0.563 χ^2/NDF: 3501006.3/47

All: 2870.301+/-0.316 χ^2/NDF: 43642172.2/9

- sign 2199.452+/-0.381 χ^2/NDF: 30295169.4/50

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: 1937.966+/-1364.008 χ^2/NDF: 17.2/27

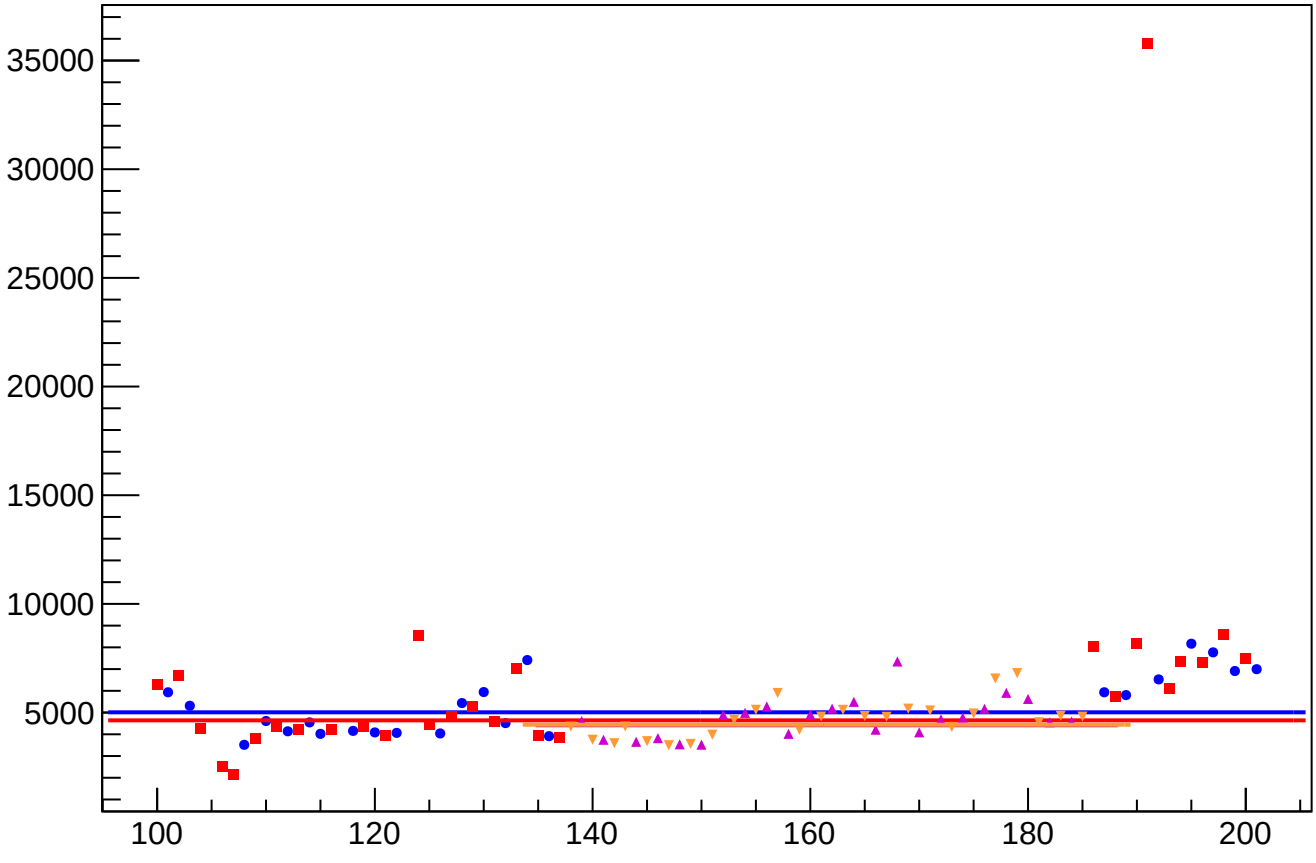
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -127.011+/-844.192 χ^2/NDF: 50.8/47

All: 463.412+/-592.530 χ^2/NDF: 87.0/98

- sign 1036.728+/-831.872 χ^2/NDF: 35.2/50

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: 4640.940+/-0.957 χ^2/NDF: 3131284.4/27

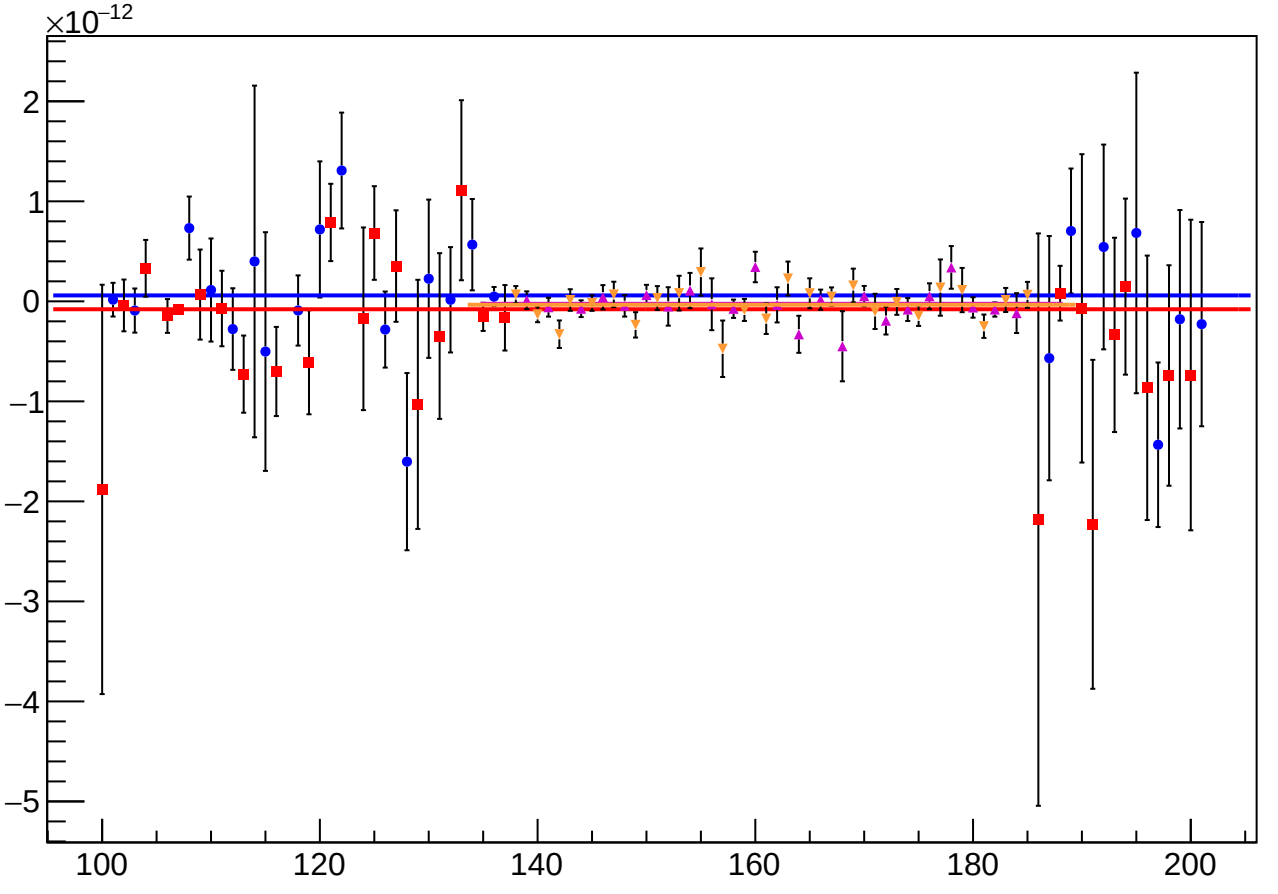
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4626.942+/-0.597 χ^2/NDF: 2821738.7/47

All: 4562.398+/-0.418 χ^2/NDF: 7122101.3/98

- sign 4500.087+/-0.587 χ^2/NDF: 4277384.7/50

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: 23.7/27

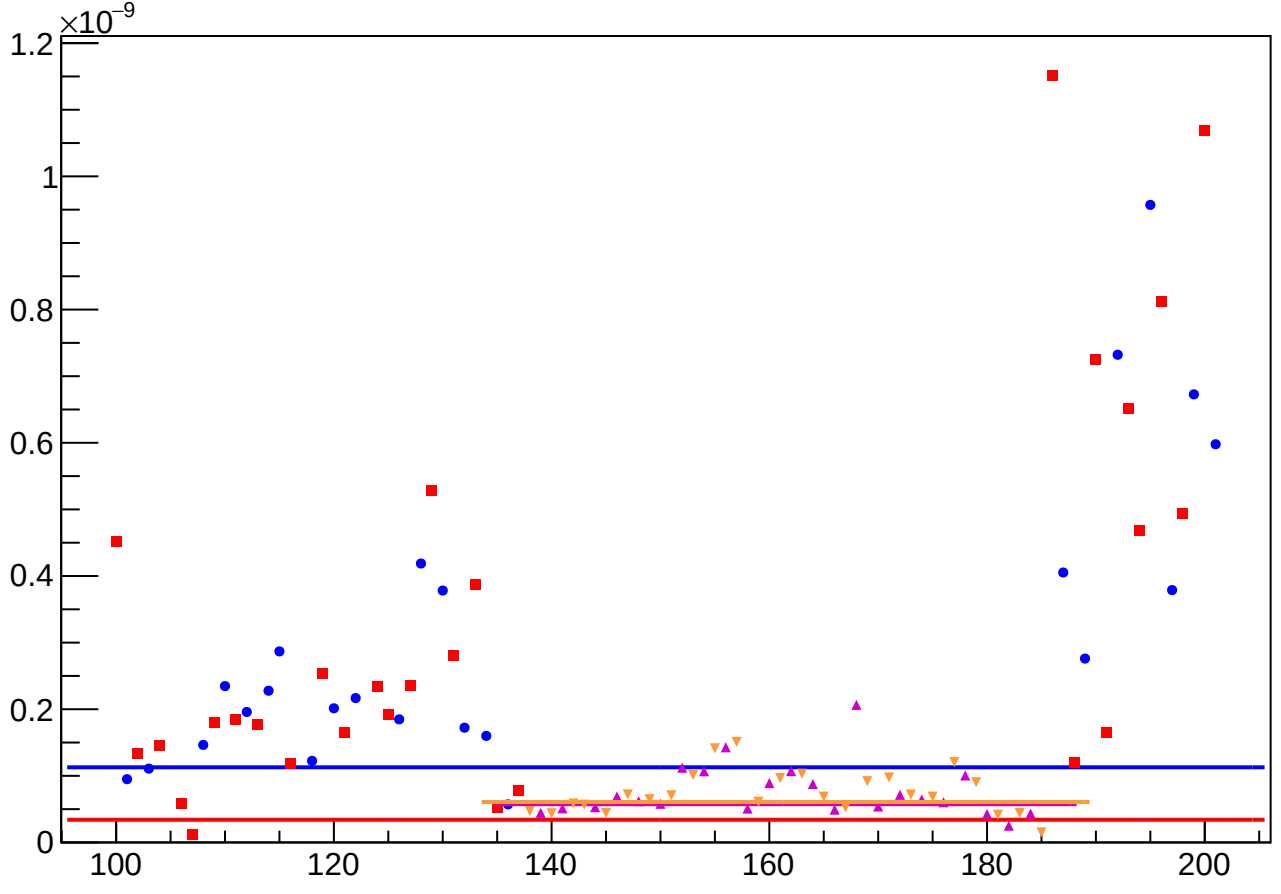
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/47

All: -0.000+/-0.000 χ^2/NDF: 97.9/98

- sign -0.000+/-0.000 χ^2/NDF: 44.7/50

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: 8540733.3/27

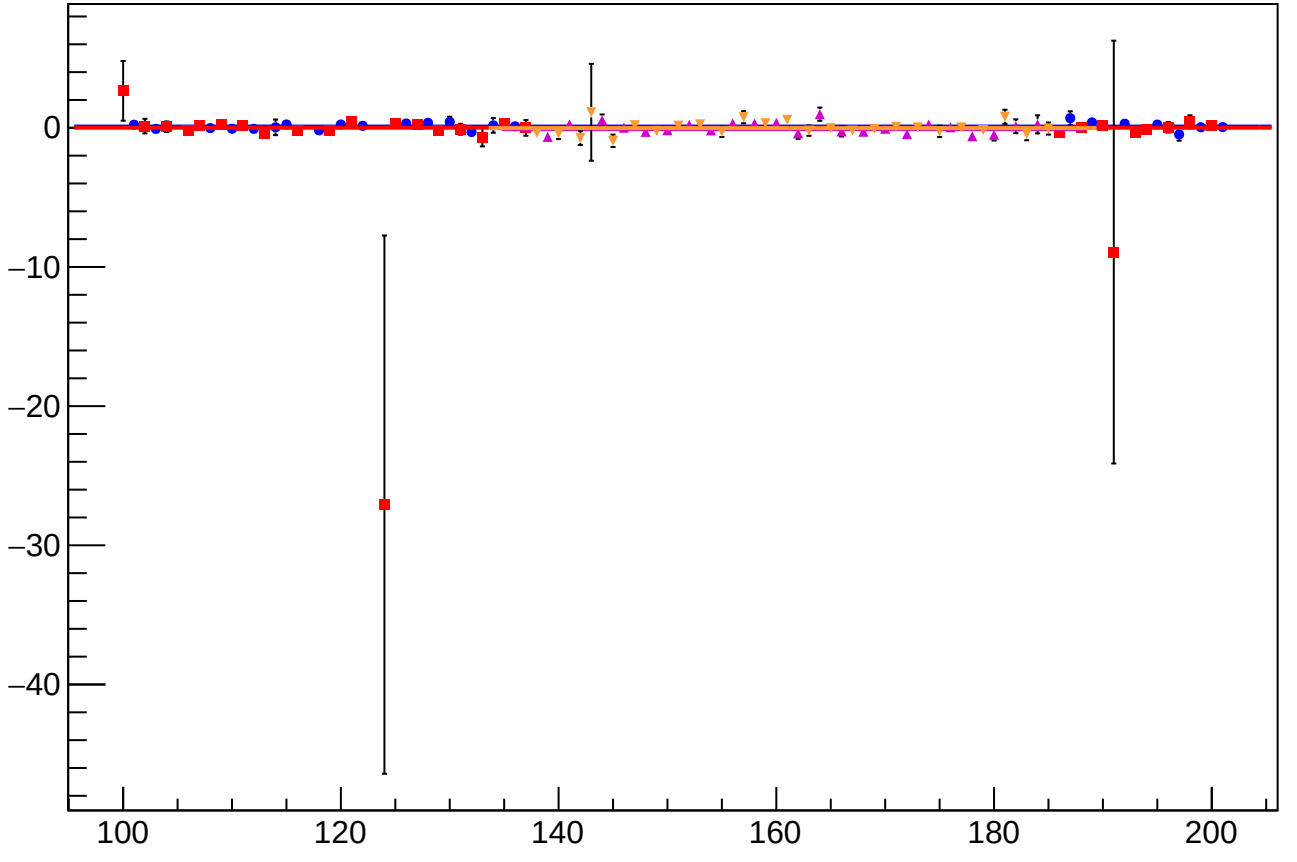
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7153310.2/47

All: 0.000+/-0.000 χ^2/NDF: 18913090.4/98

- sign 0.000+/-0.000 χ^2/NDF: 11066217.6/50

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: 0.006+/-0.050 χ^2/NDF: 27.7/27

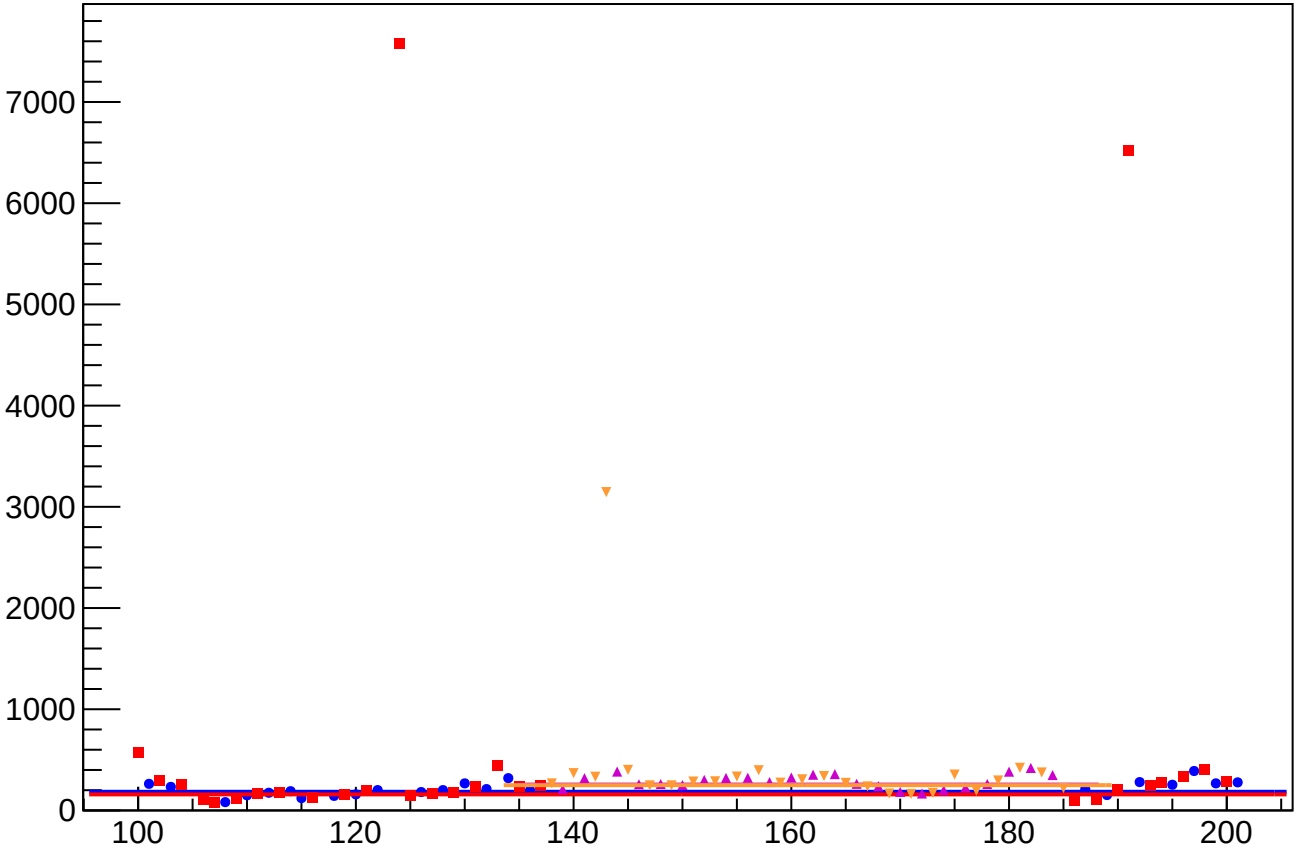
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.037+/-0.042 χ^2/NDF: 39.2/47

All: -0.001+/-0.029 χ^2/NDF: 101.4/98

- sign -0.033+/-0.039 χ^2/NDF: 60.7/50

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

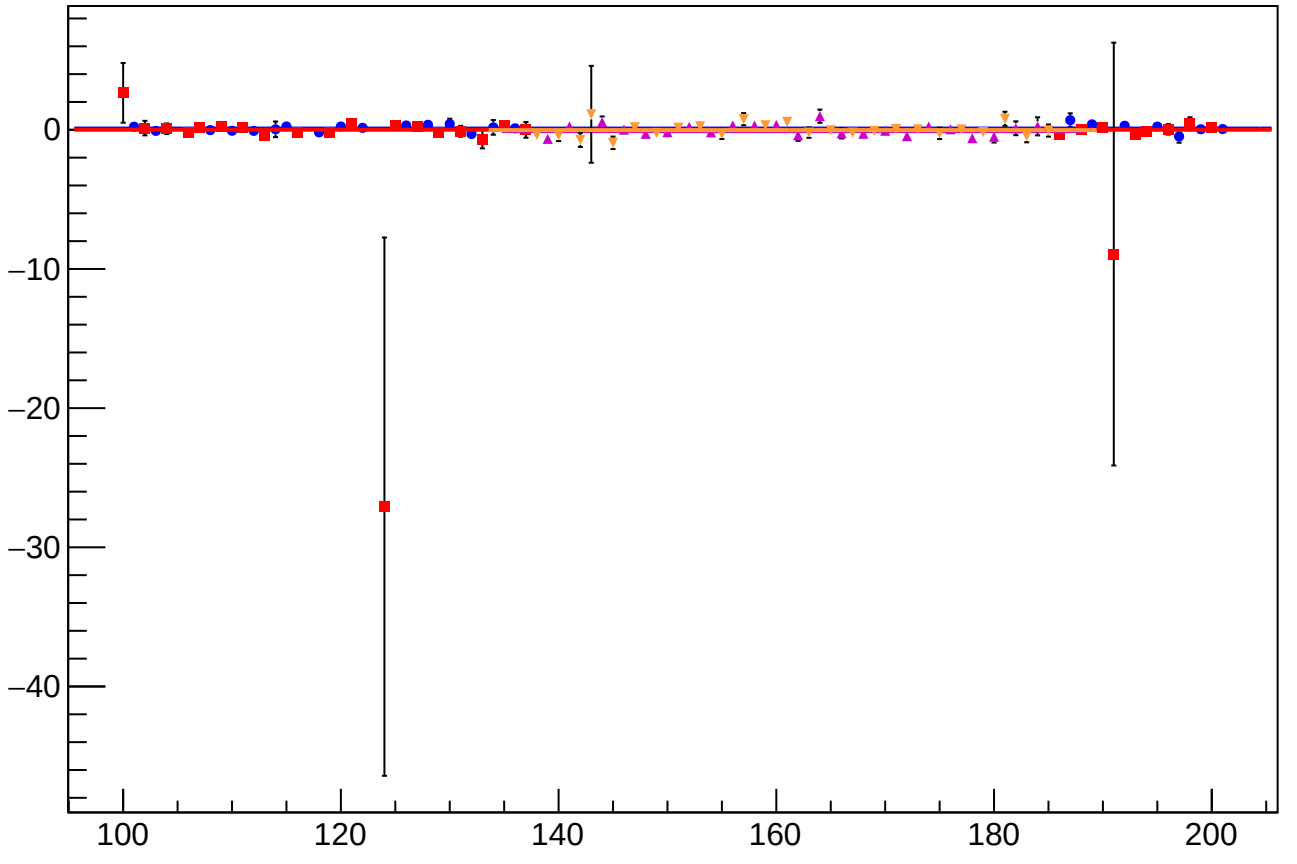
Right Out: 158.842+/-0.035 χ^2/NDF: 4776035.7/27

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 214.751+/-0.030 χ^2/NDF: 8245740.6/47

All: 204.765+/-0.020 χ^2/NDF: 18222827.7/98

- sign 196.085+/-0.028 χ^2/NDF: 9765625.3/50



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: 0.006+/-0.050 χ^2/NDF: 27.7/27

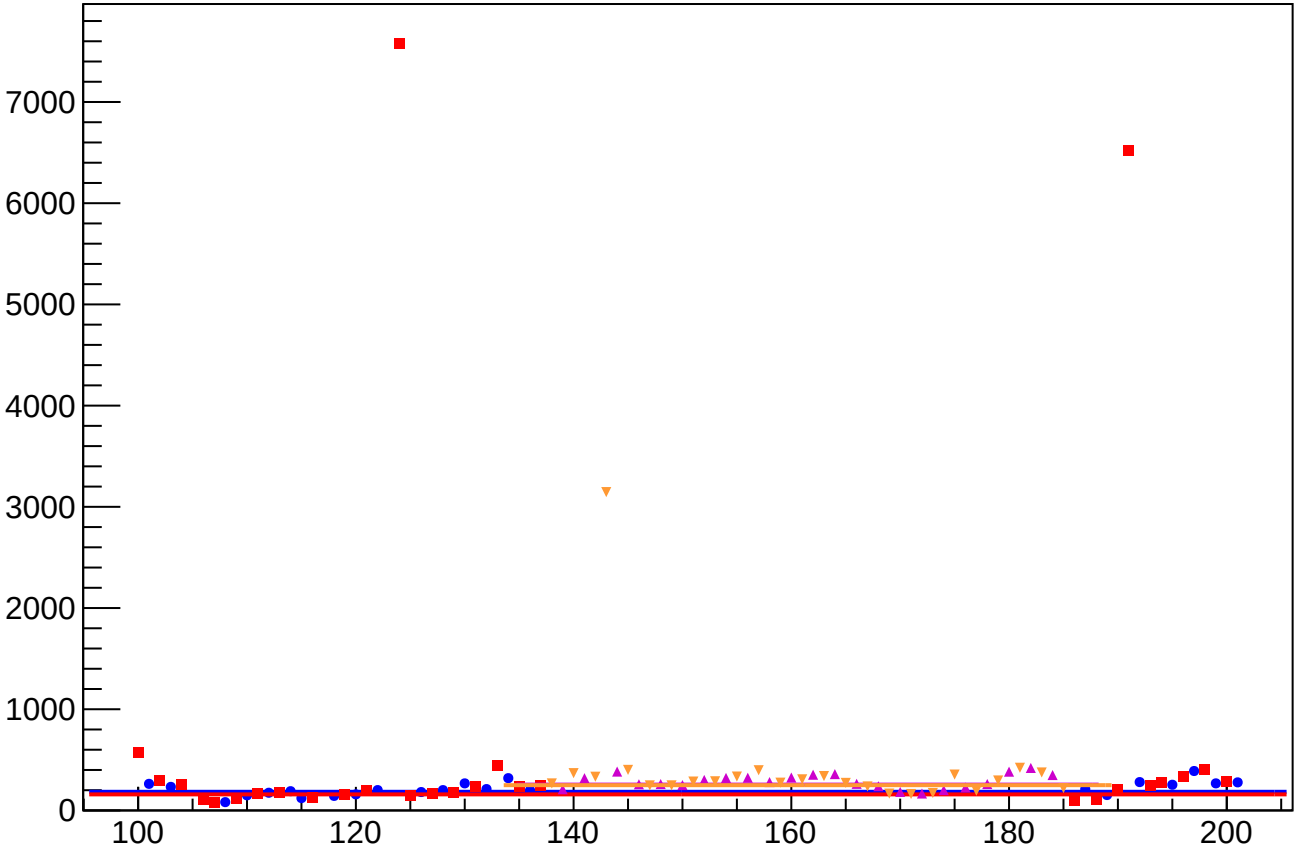
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.037+/-0.042 χ^2/NDF: 39.2/47

All: -0.001+/-0.029 χ^2/NDF: 101.4/98

- sign -0.033+/-0.039 χ^2/NDF: 60.7/50

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

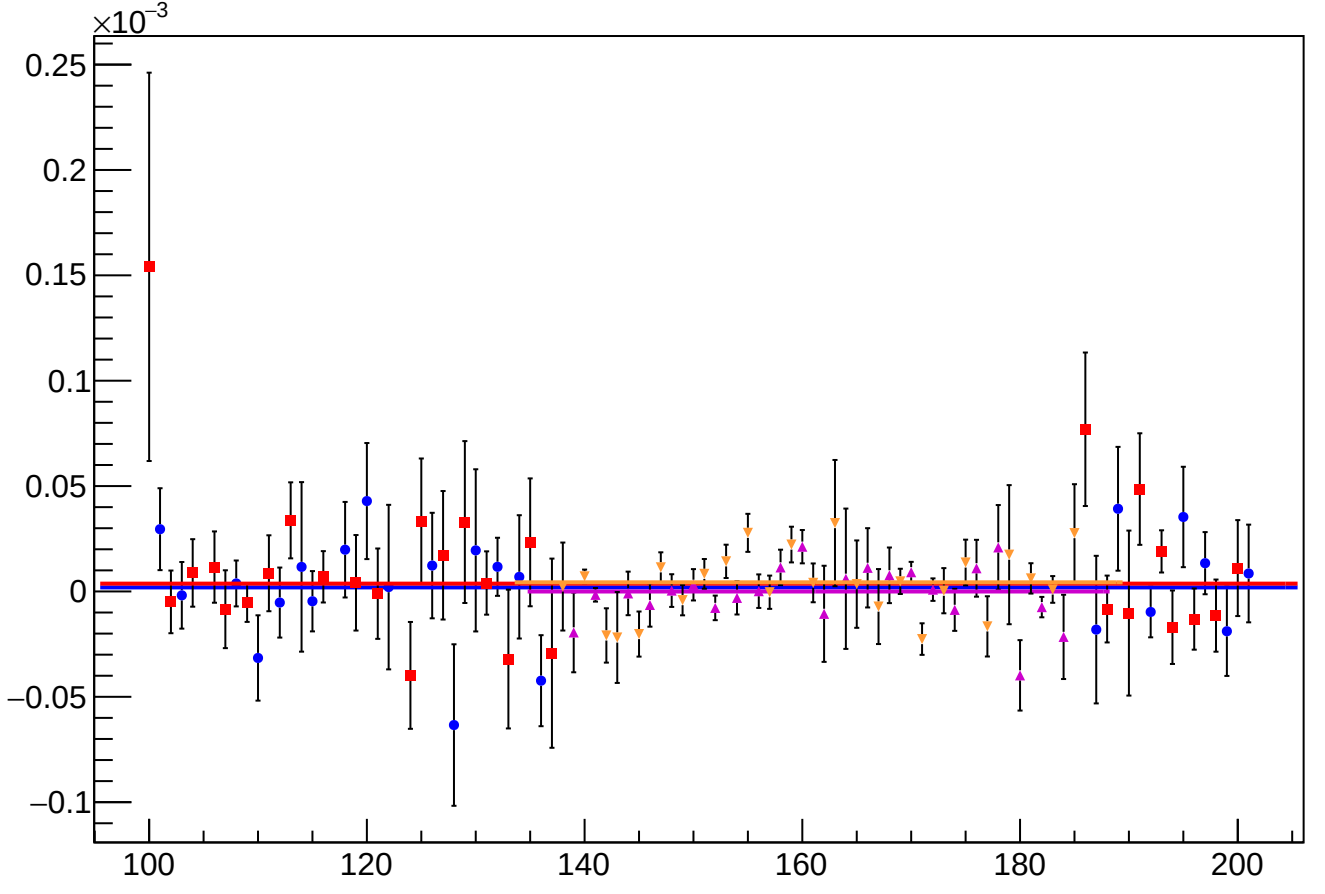
Right Out: 158.842+/-0.035 χ^2/NDF: 4776035.7/27

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 214.751+/-0.030 χ^2/NDF: 8245740.6/47

All: 204.765+/-0.020 χ^2/NDF: 18222827.7/98

- sign 196.085+/-0.028 χ^2/NDF: 9765625.3/50



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: 28.2/27

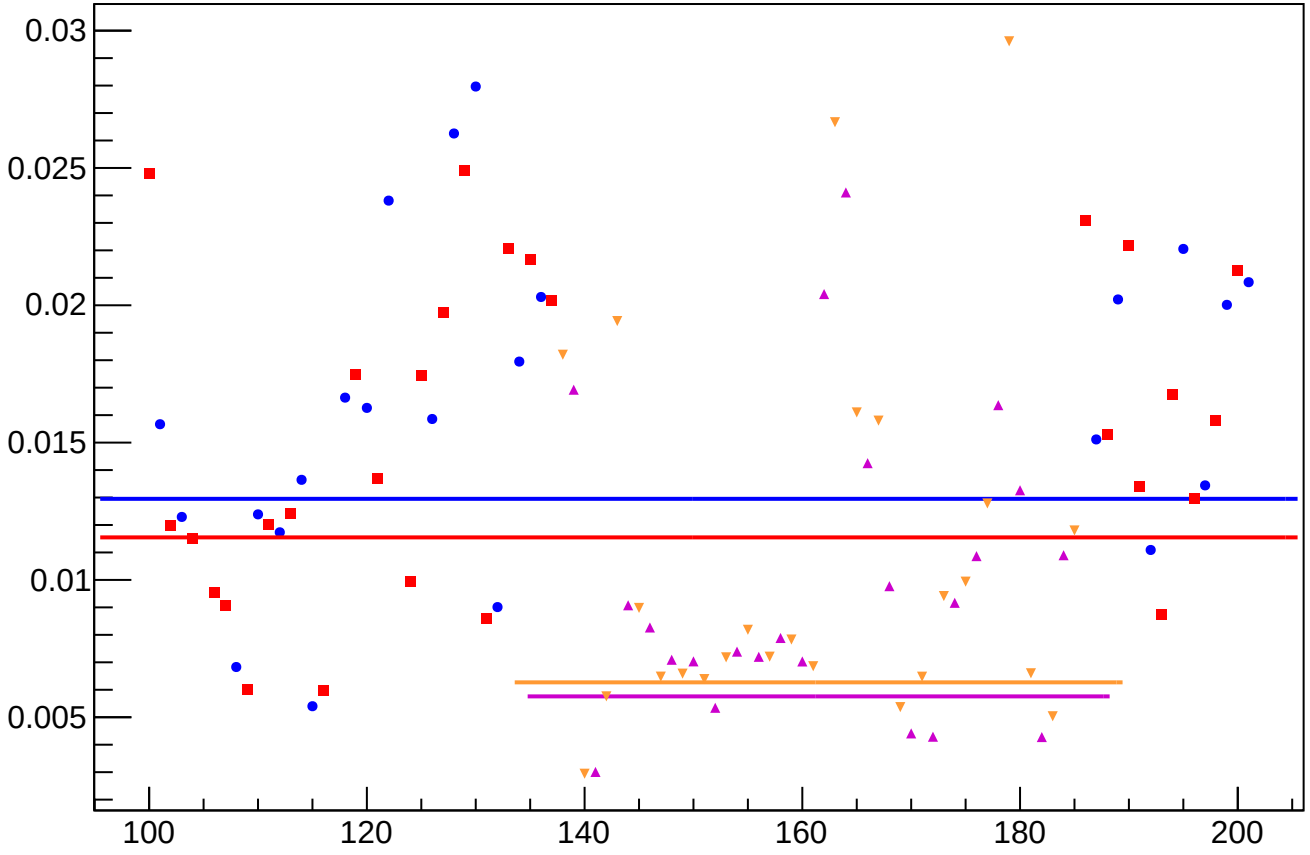
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.0/47

All: 0.000+/-0.000 χ^2/NDF: 129.8/98

- sign 0.000+/-0.000 χ^2/NDF: 58.2/50

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 3432717.4/22

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3805220.3/27

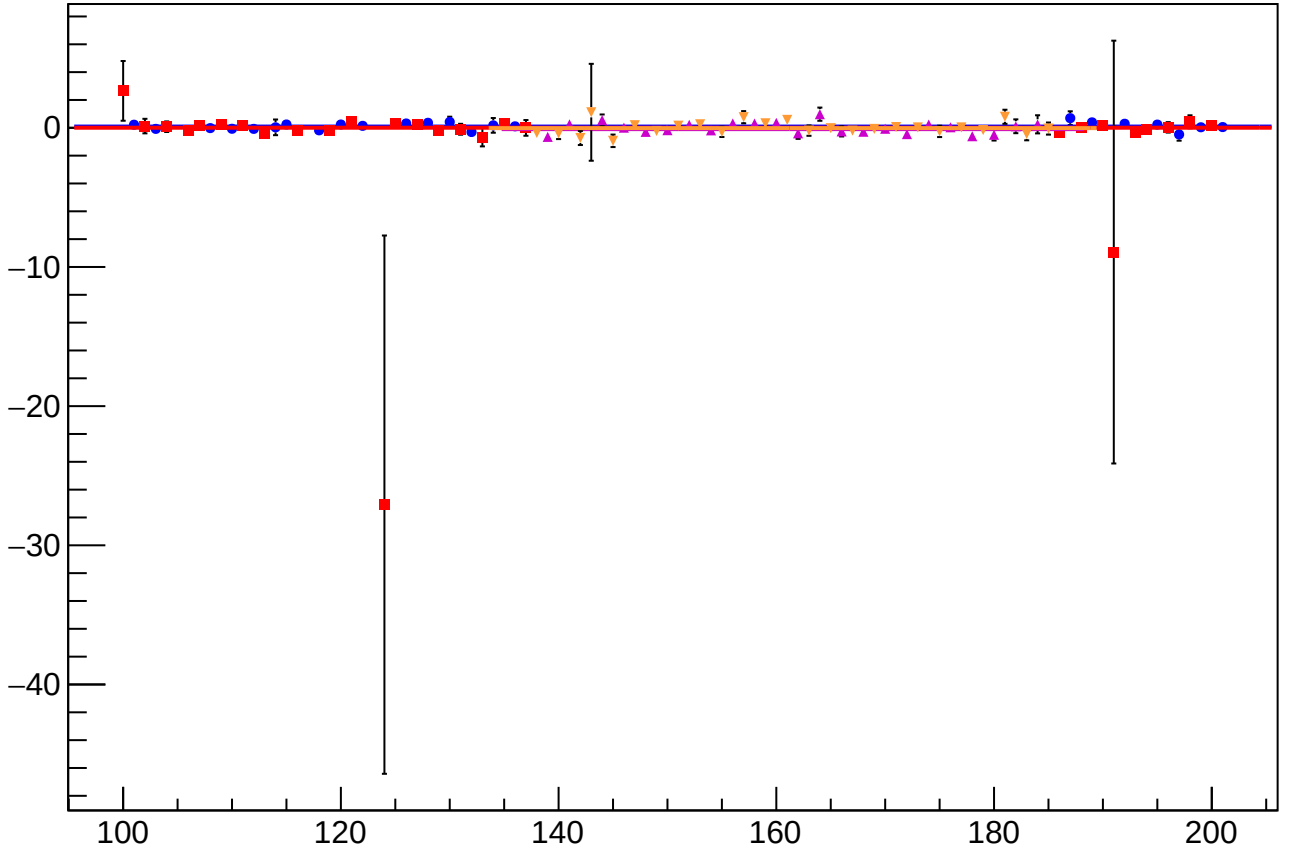
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 16040983.0/47

All: 0.007+/-0.000 χ^2/NDF: 31756374.5/98

- sign 0.007+/-0.000 χ^2/NDF: 15624612.7/50

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: 0.006+/-0.050 χ^2/NDF: 27.7/27

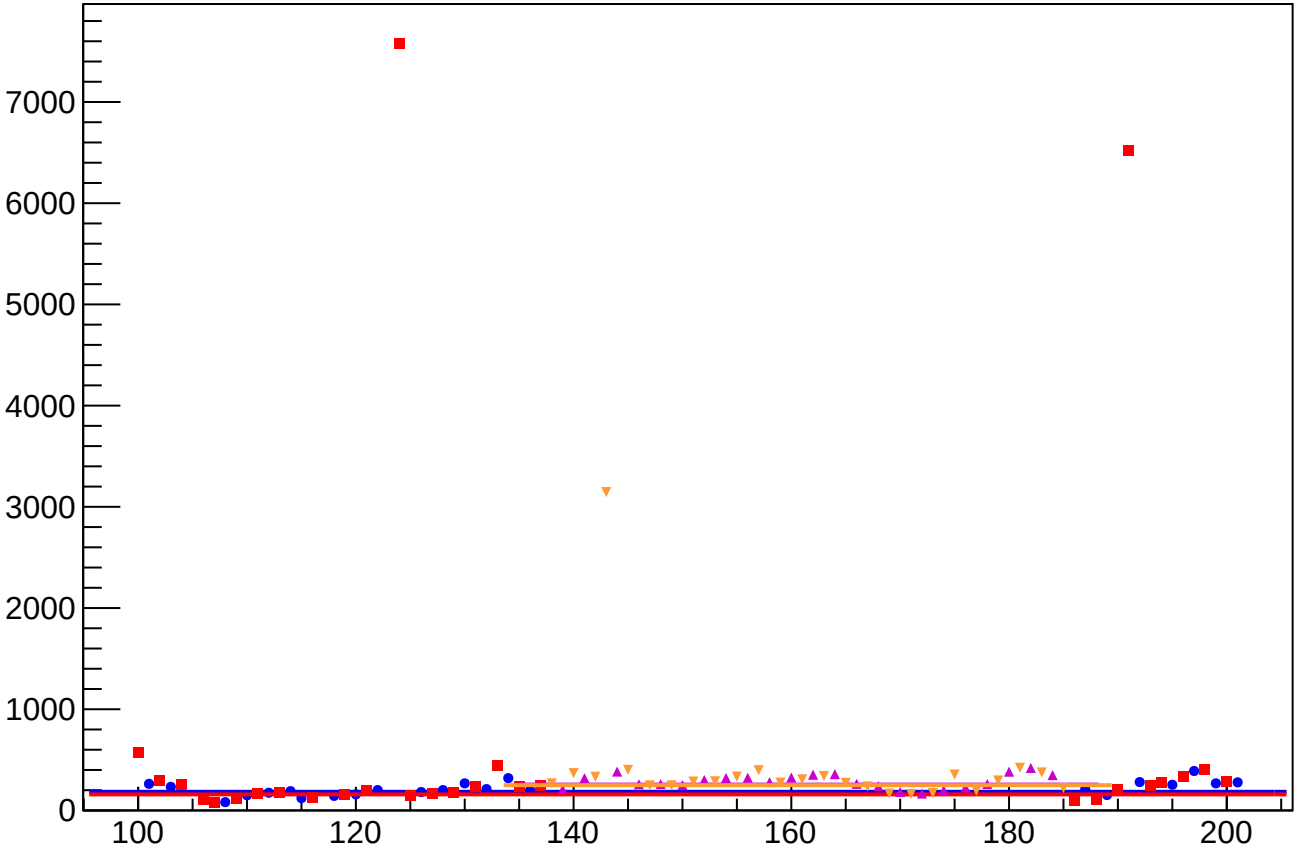
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.037+/-0.042 χ^2/NDF: 39.2/47

All: -0.001+/-0.029 χ^2/NDF: 101.4/98

- sign -0.033+/-0.039 χ^2/NDF: 60.7/50

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

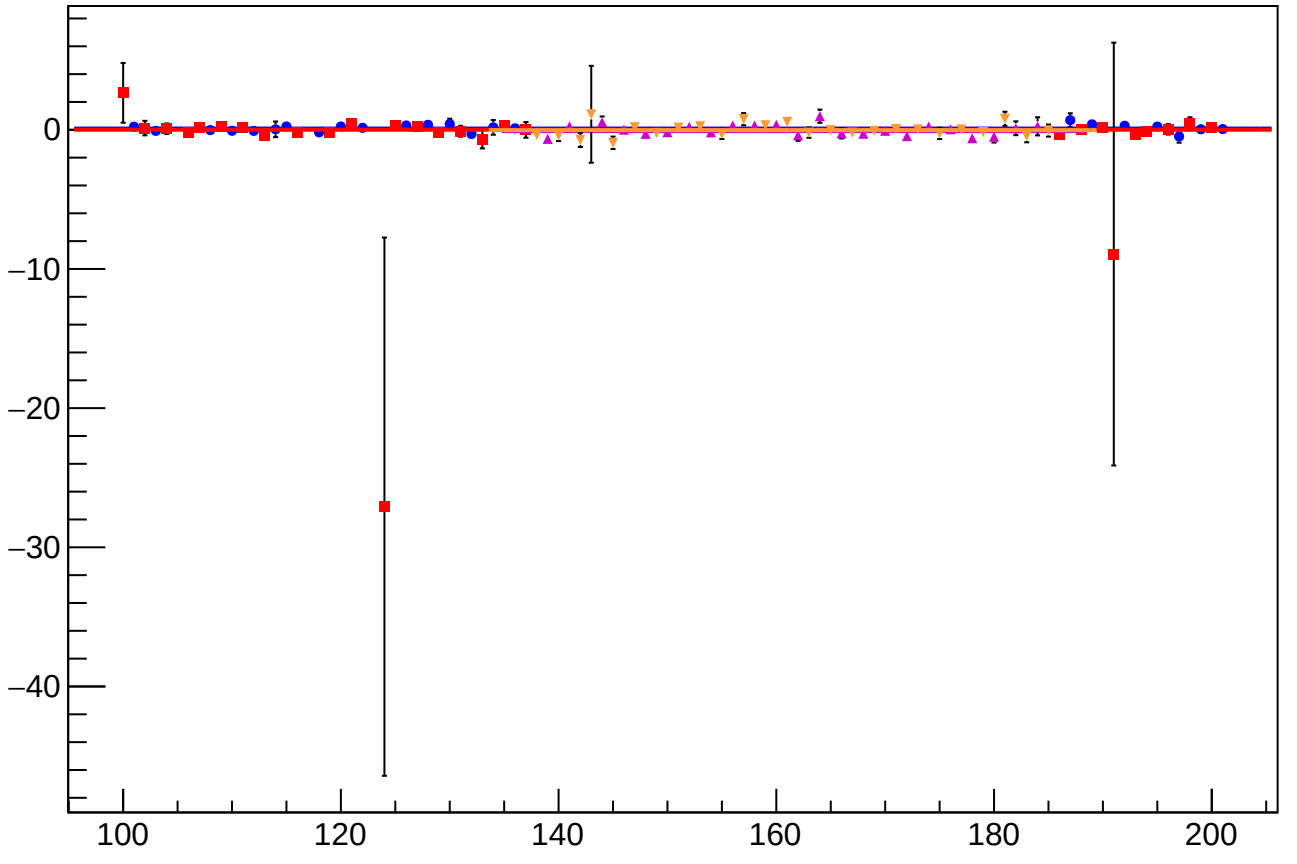
Right Out: 158.844+/-0.035 χ^2/NDF: 4775913.6/27

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 214.751+/-0.030 χ^2/NDF: 8246022.2/47

All: 204.766+/-0.020 χ^2/NDF: 18222892.7/98

- sign 196.087+/-0.028 χ^2/NDF: 9765483.0/50



Right In: 0.089+/-0.057 χ^2/NDF: 13.8/22

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

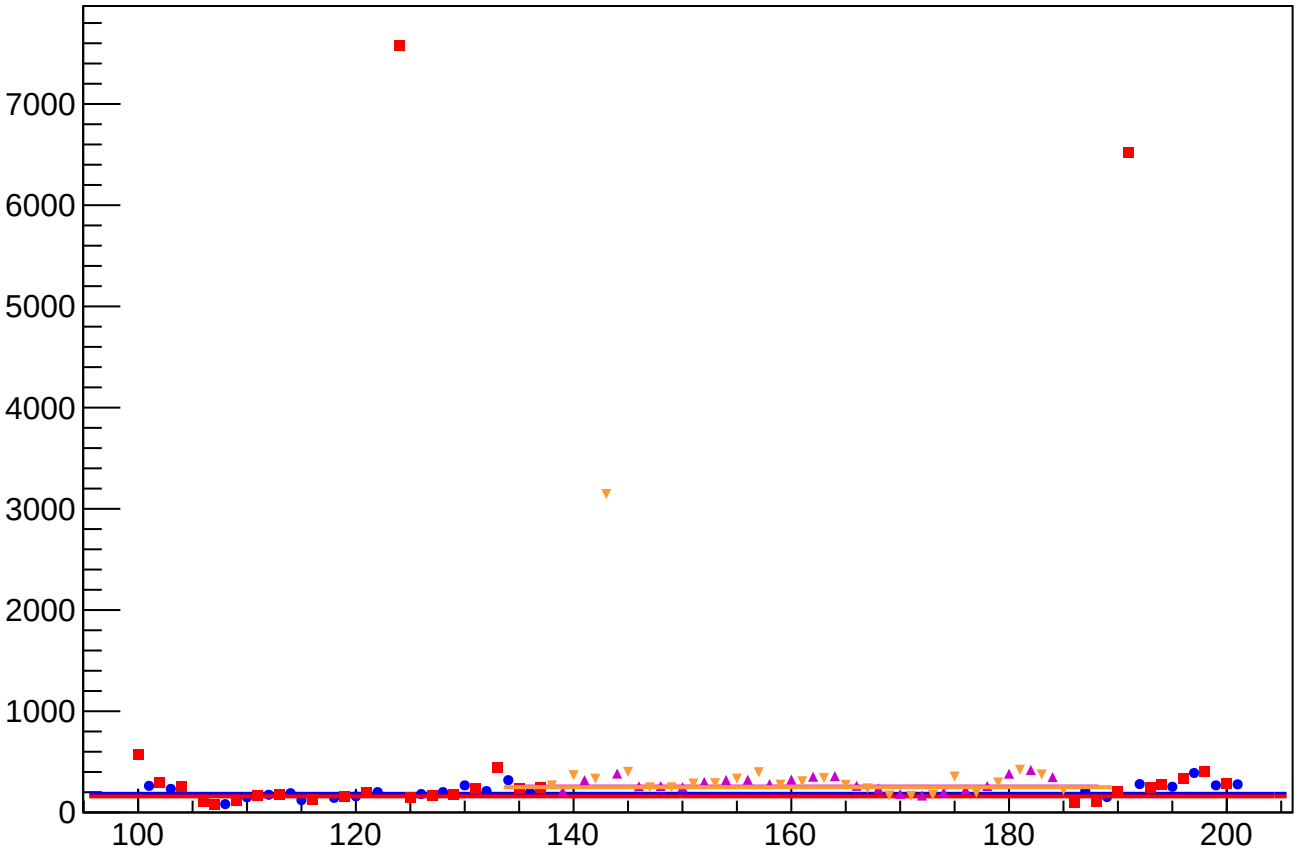
Right Out: 0.006+/-0.050 χ^2/NDF: 27.7/27

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: 101.4/98

\- sign -0.033+/-0.039 χ^2/NDF: 60.7/50



Right In: 184.323+/-0.041 χ^2/NDF: 2799940.1/22

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

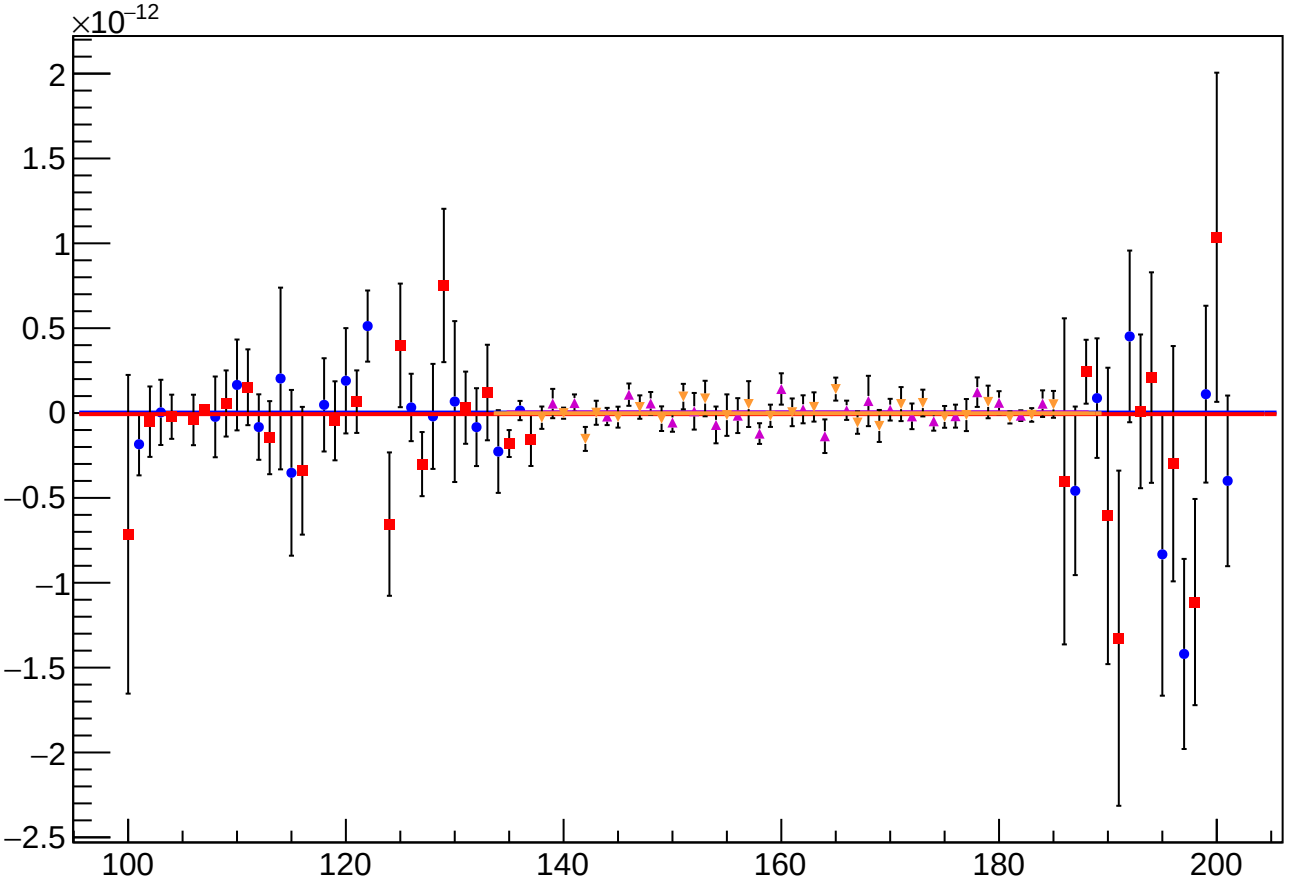
Right Out: 158.844+/-0.035 χ^2/NDF: 4775913.6/27

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 214.751+/-0.030 χ^2/NDF: 8246022.2/47

All: 204.766+/-0.020 χ^2/NDF: 18222892.7/98

- sign 196.087+/-0.028 χ^2/NDF: 9765483.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

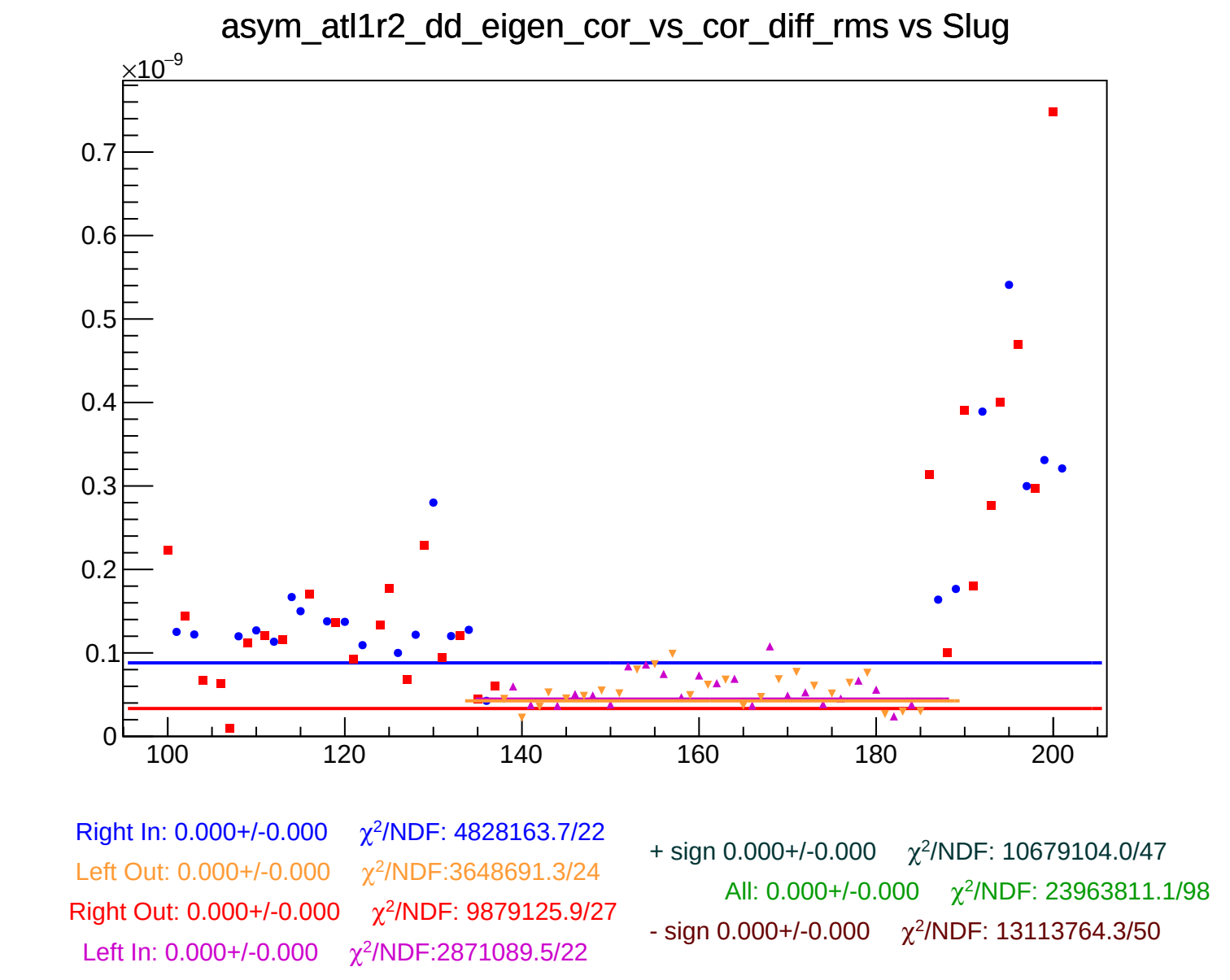
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/27

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

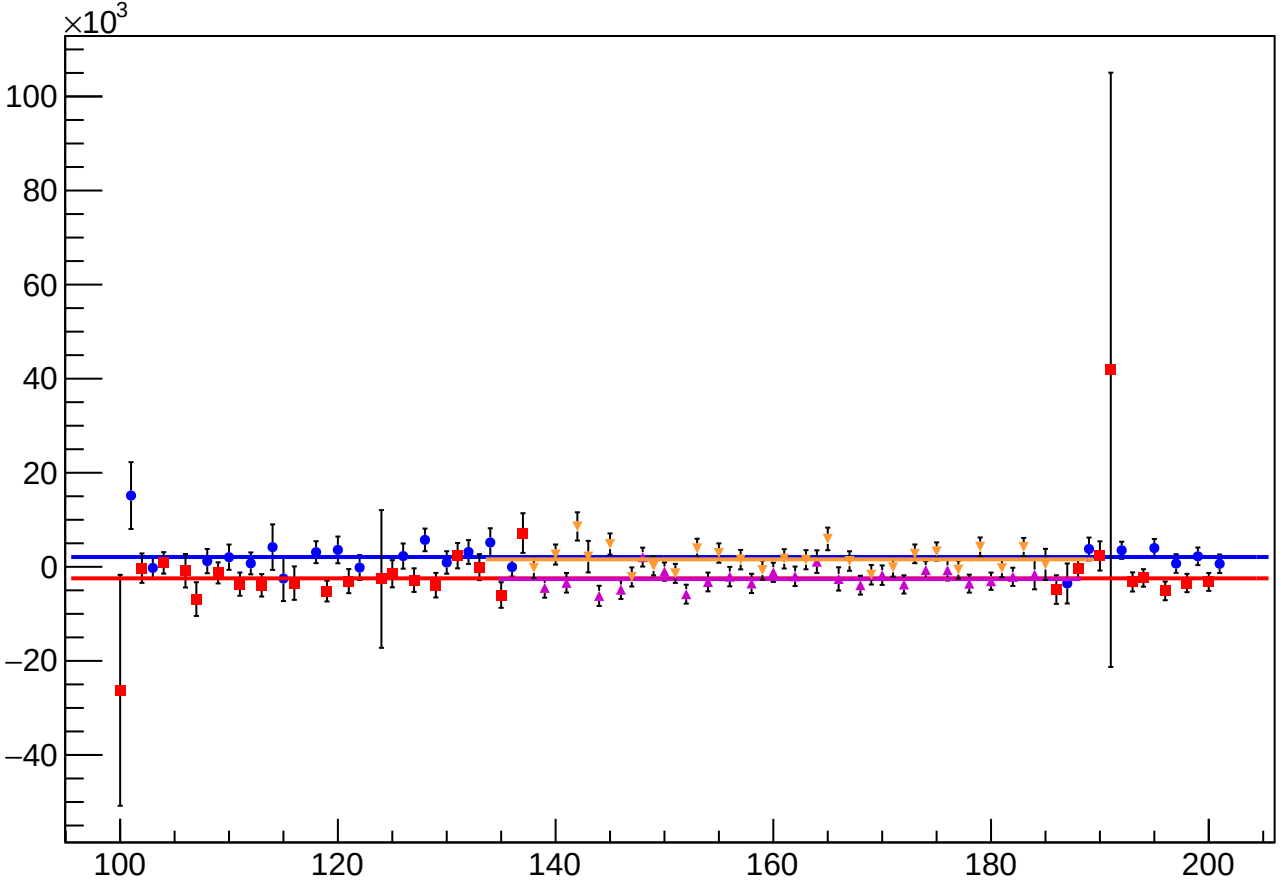
+ sign -0.000+/-0.000 χ^2/NDF: 35.9/47

All: 0.000+/-0.000 χ^2/NDF: 83.3/98

- sign 0.000+/-0.000 χ^2/NDF: 47.3/50


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 4828163.7/22
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 9879125.9/27
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
+ sign 0.000+/-0.000 χ²/NDF: 10679104.0/47
All: 0.000+/-0.000 χ²/NDF: 23963811.1/98
- sign 0.000+/-0.000 χ²/NDF: 13113764.3/50

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: -2448.878+/-492.547 χ^2/NDF: 26.0/27

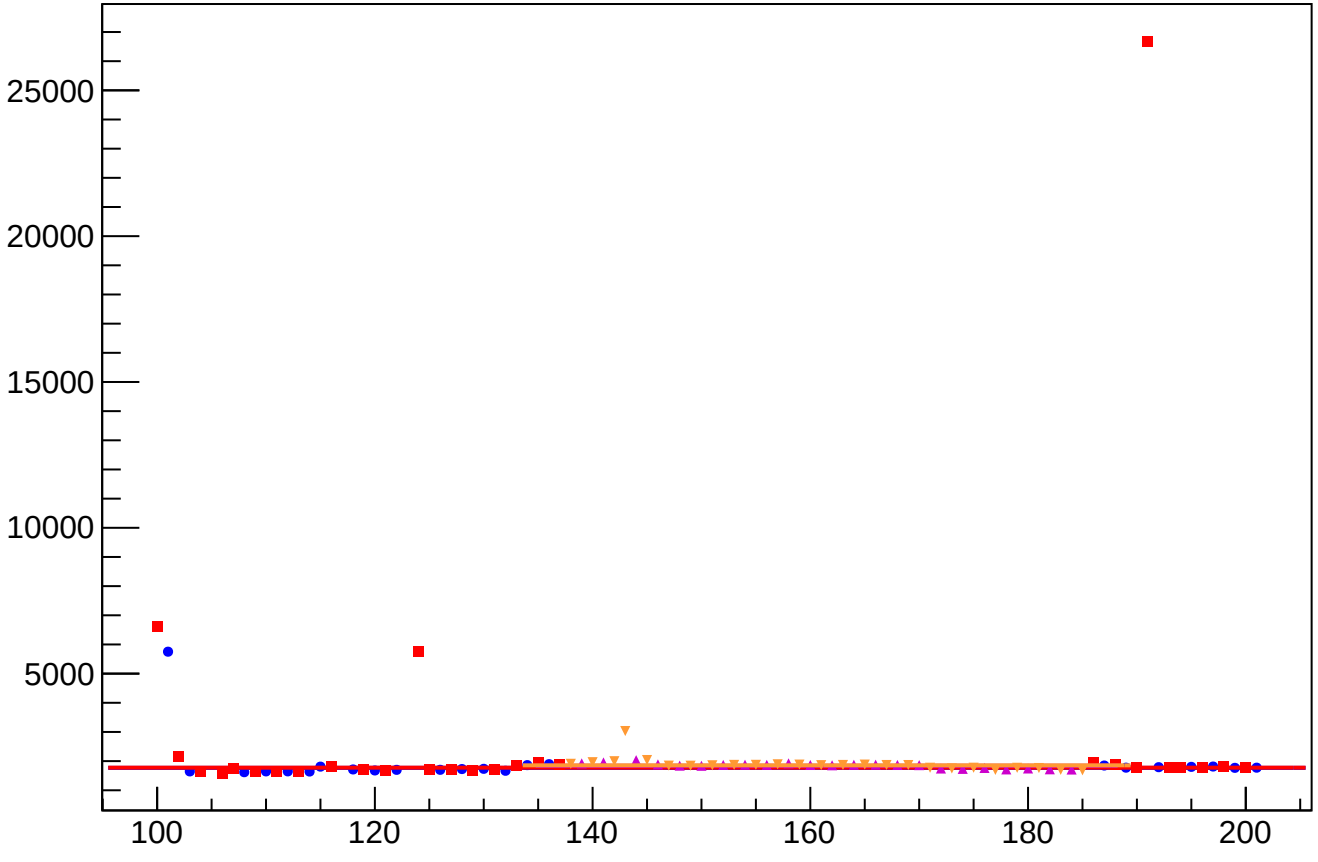
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1792.919+/-325.858 χ^2/NDF: 48.8/47

All: -382.211+/-229.775 χ^2/NDF: 183.6/98

- sign -2533.306+/-324.052 χ^2/NDF: 46.2/50

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: 1775.144+/-0.347 χ^2/NDF: 639270.1/27

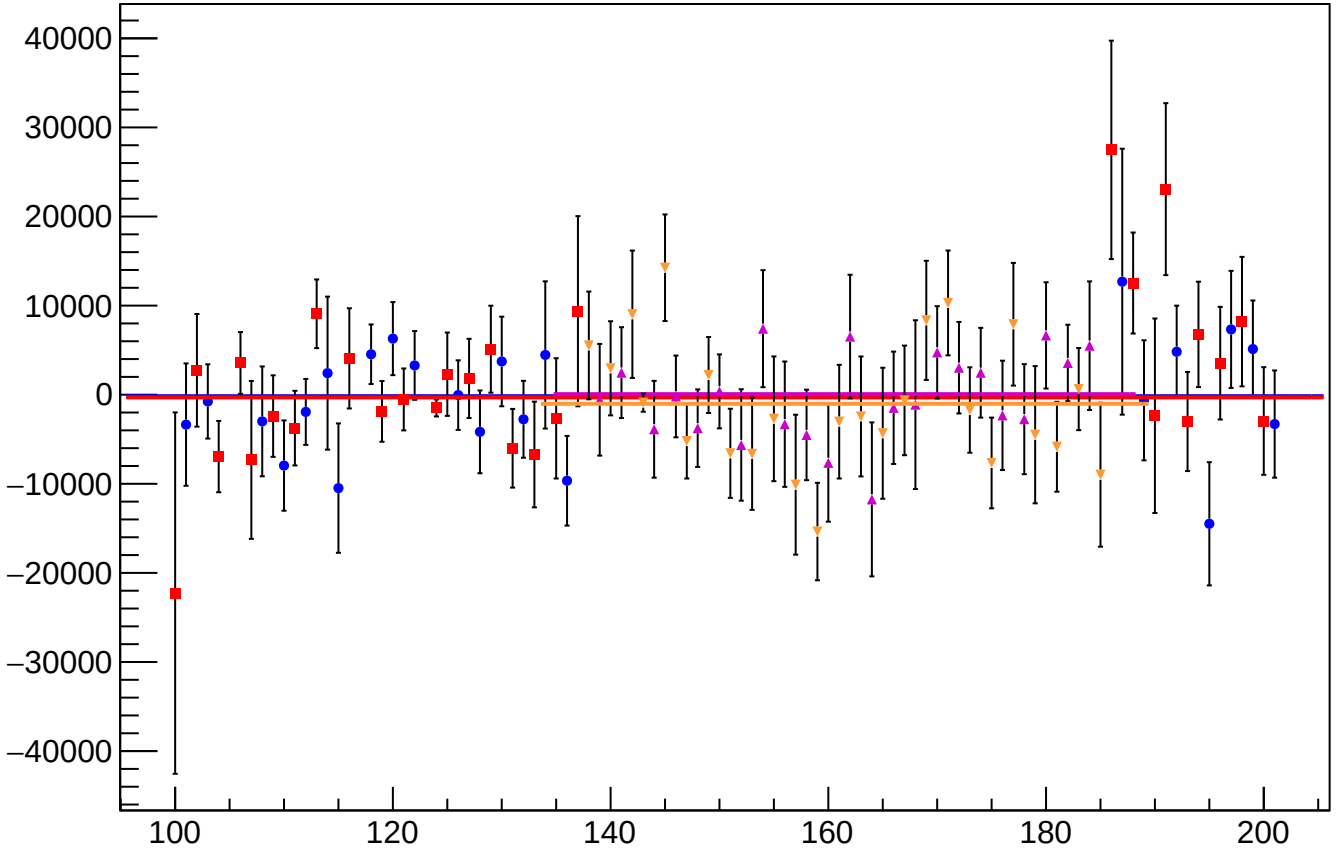
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1819.859+/-0.230 χ^2/NDF: 1033906.3/47

All: 1816.076+/-0.162 χ^2/NDF: 1765059.6/98

- sign 1812.349+/-0.229 χ^2/NDF: 730618.2/50

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: -303.326+/-692.071 χ^2/NDF: 40.5/27

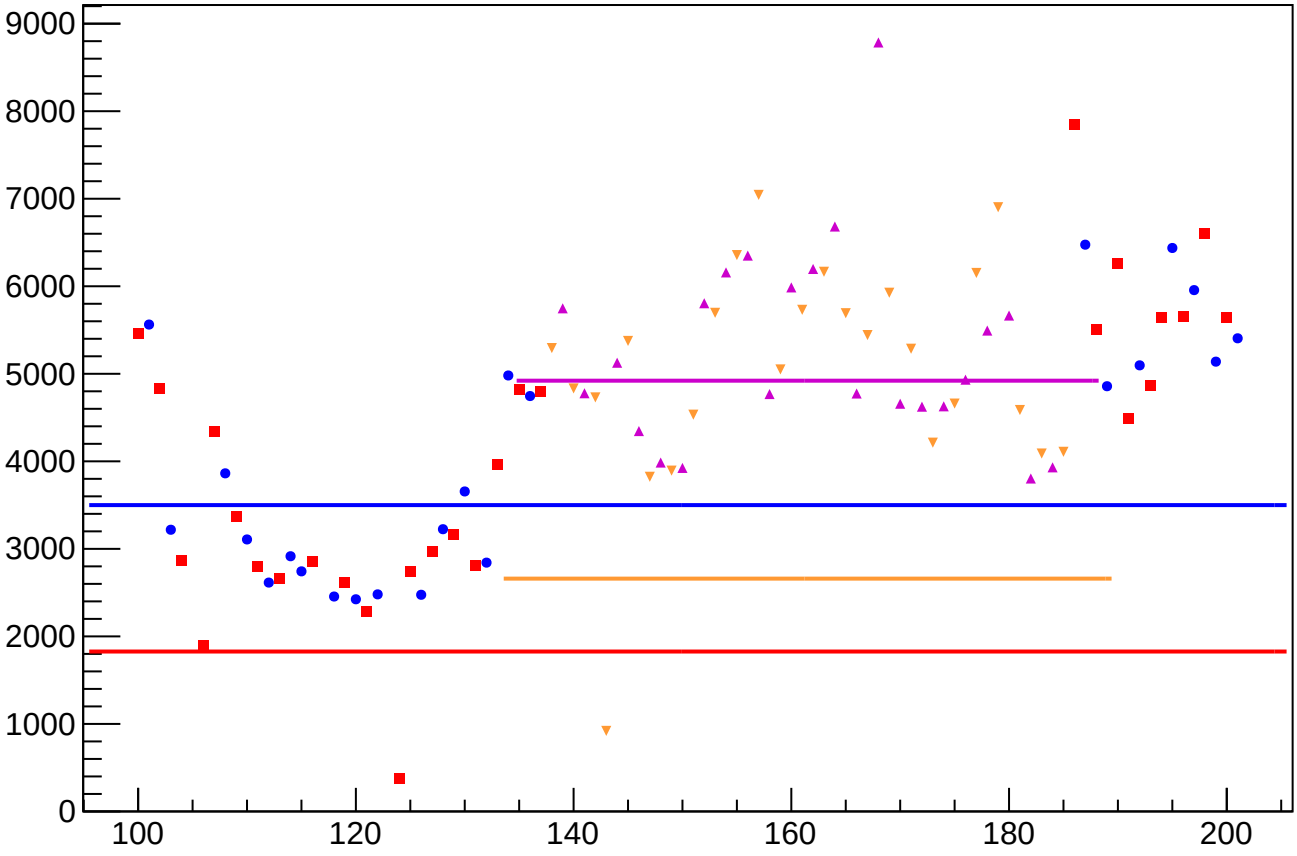
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -723.183+/-623.426 χ^2/NDF: 58.6/47

All: -454.556+/-430.849 χ^2/NDF: 112.6/98

- sign -208.949+/-596.115 χ^2/NDF: 53.6/50

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: 1827.108+/-0.489 χ^2/NDF: 12967195.3/27

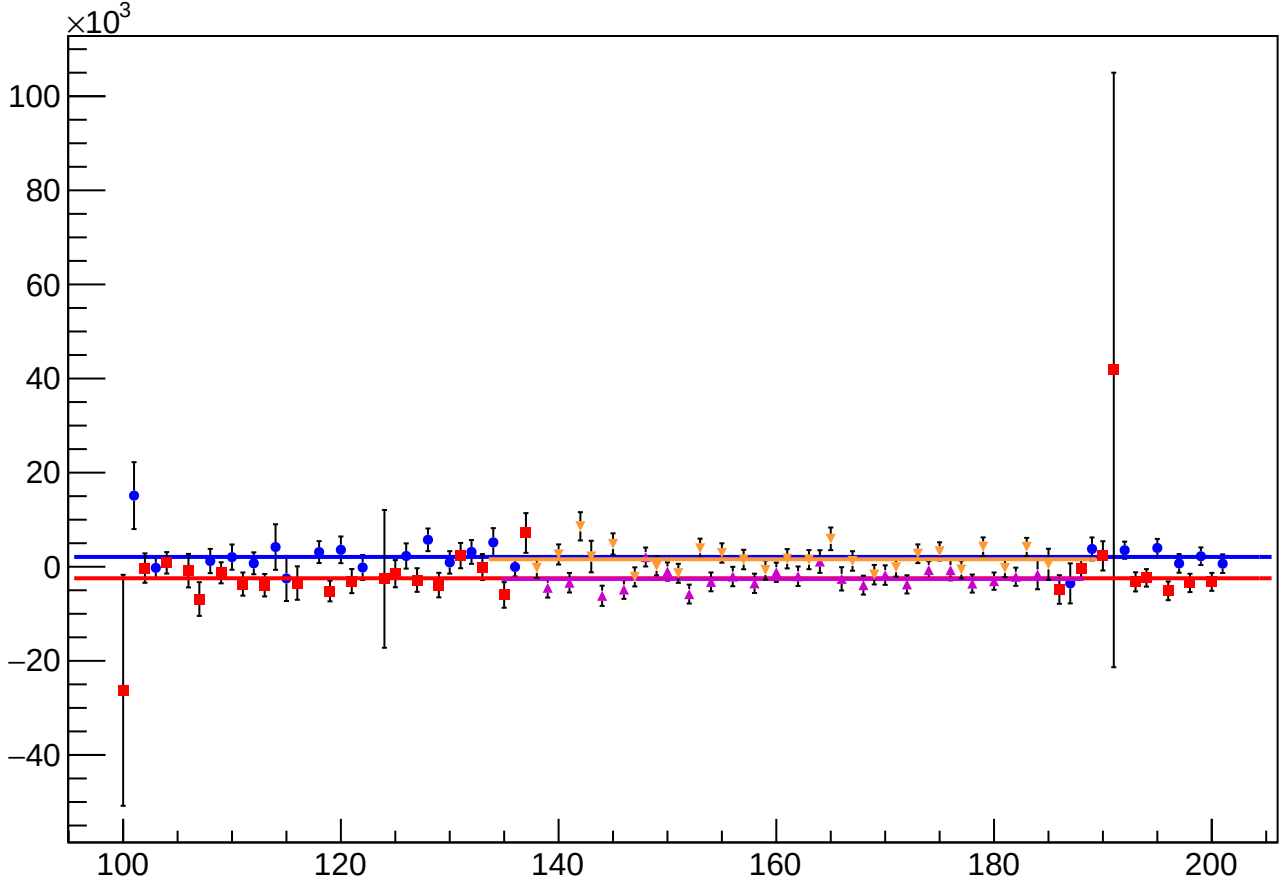
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2951.912+/-0.441 χ^2/NDF: 17938725.5/47

All: 2781.477+/-0.305 χ^2/NDF: 42760718.4/9

- sign 2625.648+/-0.422 χ^2/NDF: 24535846.6/50

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: -2448.909+/-492.547 χ^2/NDF: 26.0/27

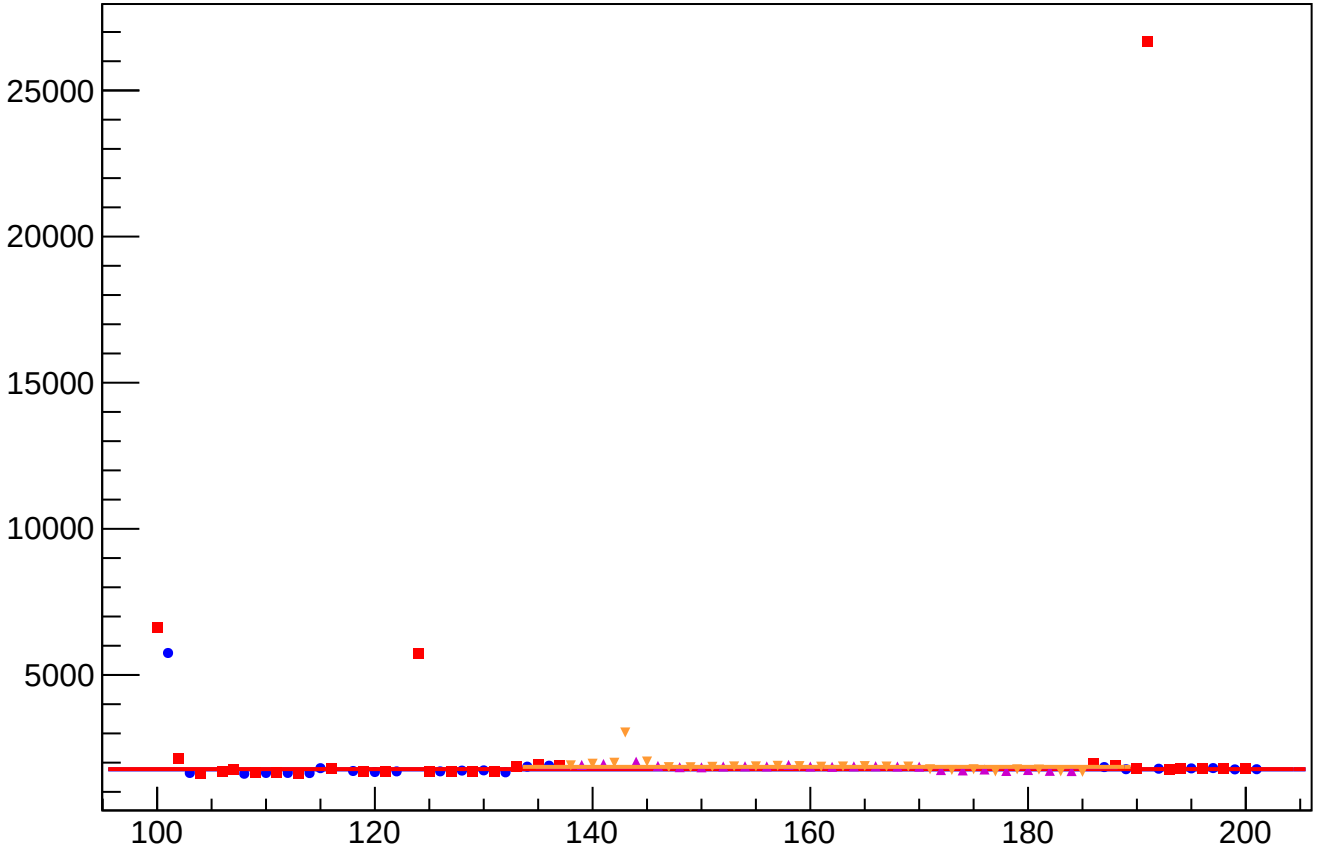
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1792.818+/-325.858 χ^2/NDF: 48.8/47

All: -382.289+/-229.775 χ^2/NDF: 183.6/98

- sign -2533.360+/-324.052 χ^2/NDF: 46.2/50

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: 1779.090+/-0.348 χ^2/NDF: 630428.1/27

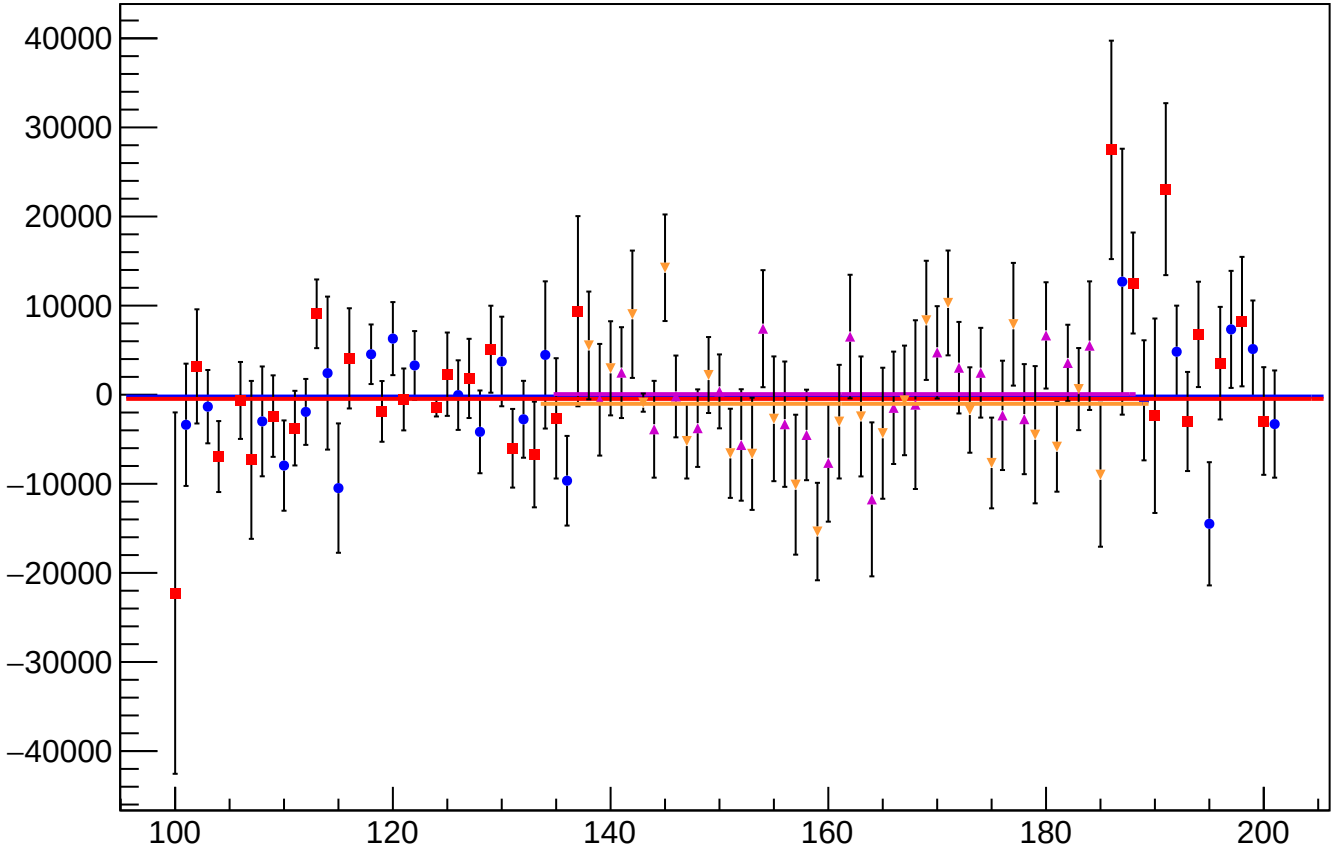
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1819.859+/-0.230 χ^2/NDF: 1033906.7/47

All: 1816.975+/-0.162 χ^2/NDF: 1753584.9/98

- sign 1814.127+/-0.229 χ^2/NDF: 719366.8/50

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: -466.174+/-697.027 χ^2/NDF: 39.3/27

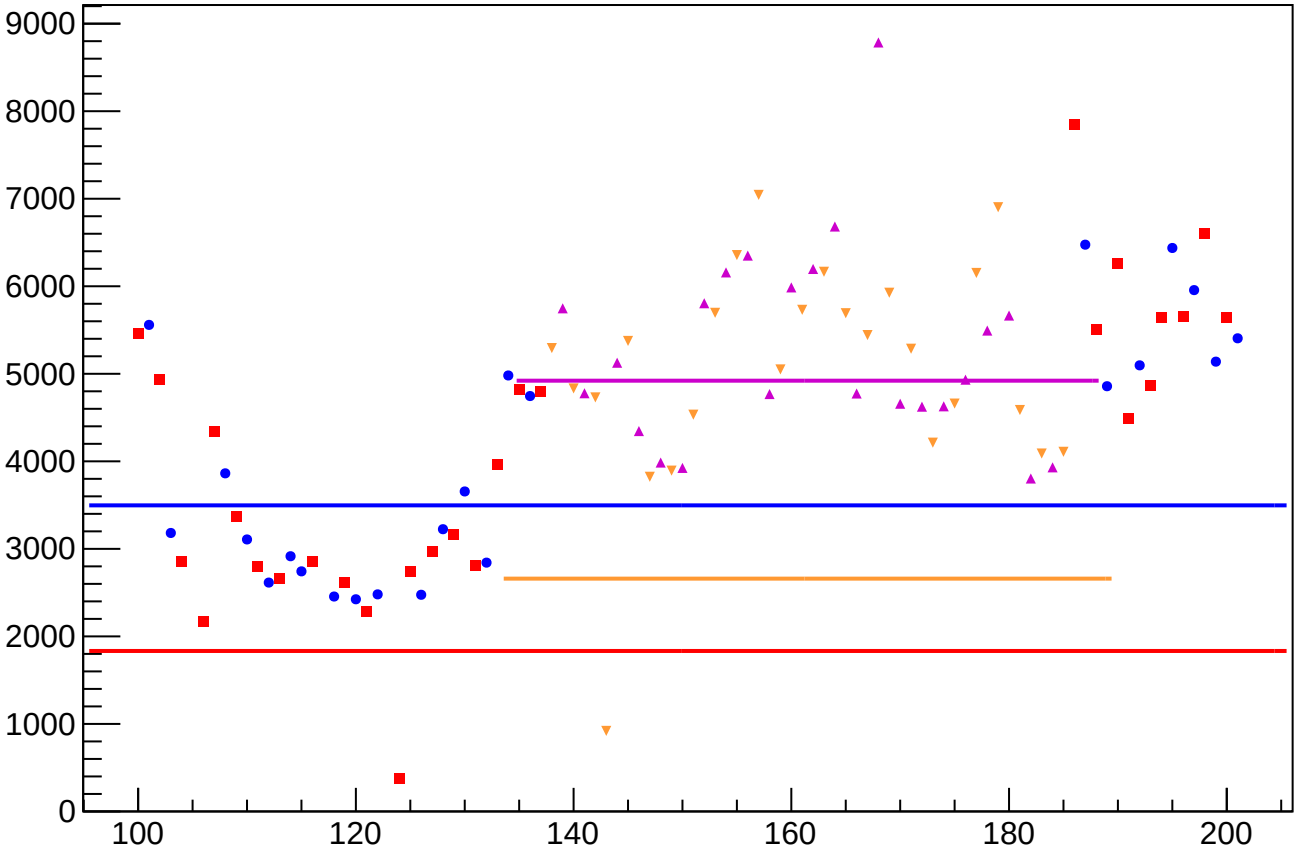
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -736.660+/-623.235 χ^2/NDF: 58.7/47

All: -524.501+/-431.973 χ^2/NDF: 111.4/98

- sign -328.342+/-599.274 χ^2/NDF: 52.5/50

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: 1833.457+/-0.493 χ^2/NDF: 12994564.9/27

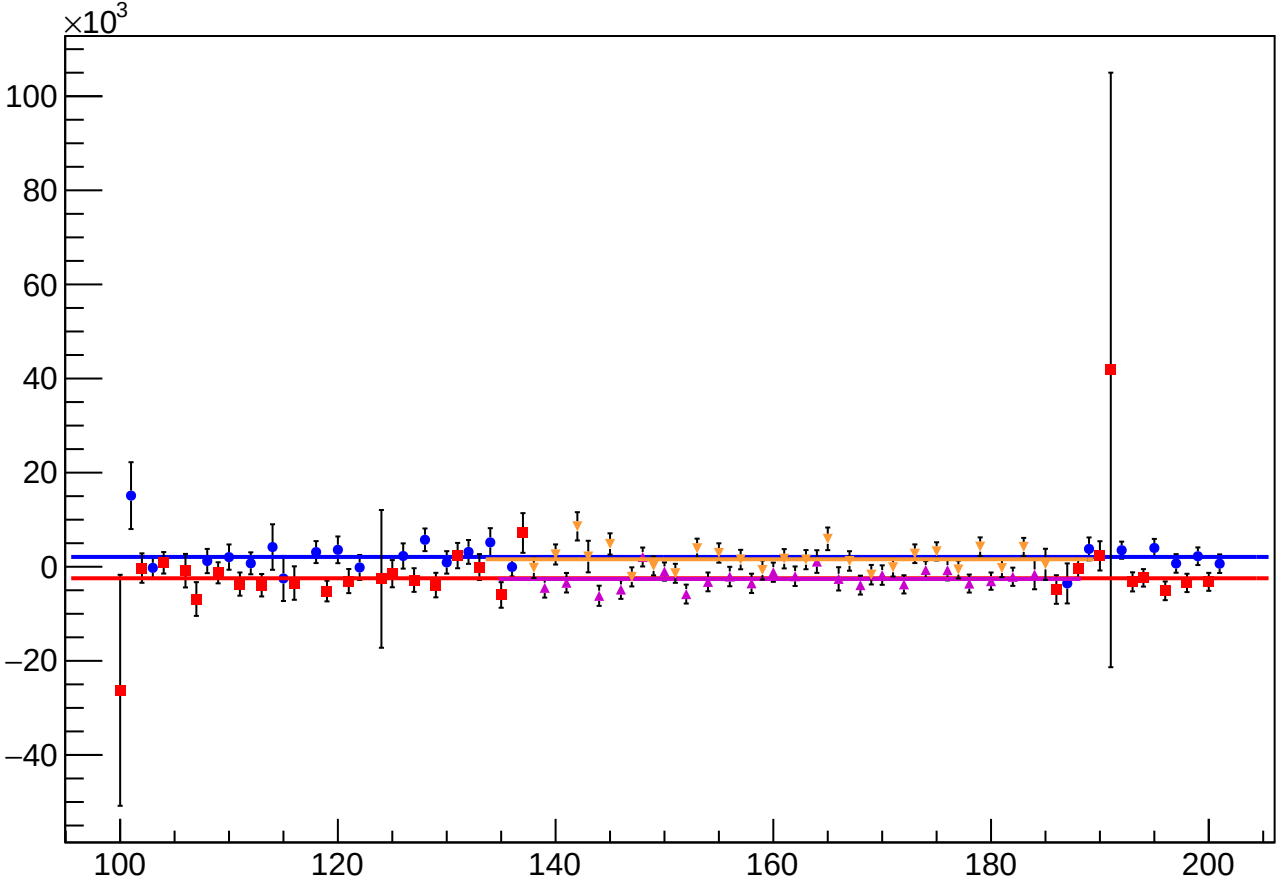
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2951.144+/-0.441 χ^2/NDF: 17937268.1/47

All: 2788.865+/-0.305 χ^2/NDF: 42681176.1/9

- sign 2638.824+/-0.424 χ^2/NDF: 24482940.3/50

eigen_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: -2448.909+/-492.547 χ^2/NDF: 26.0/27

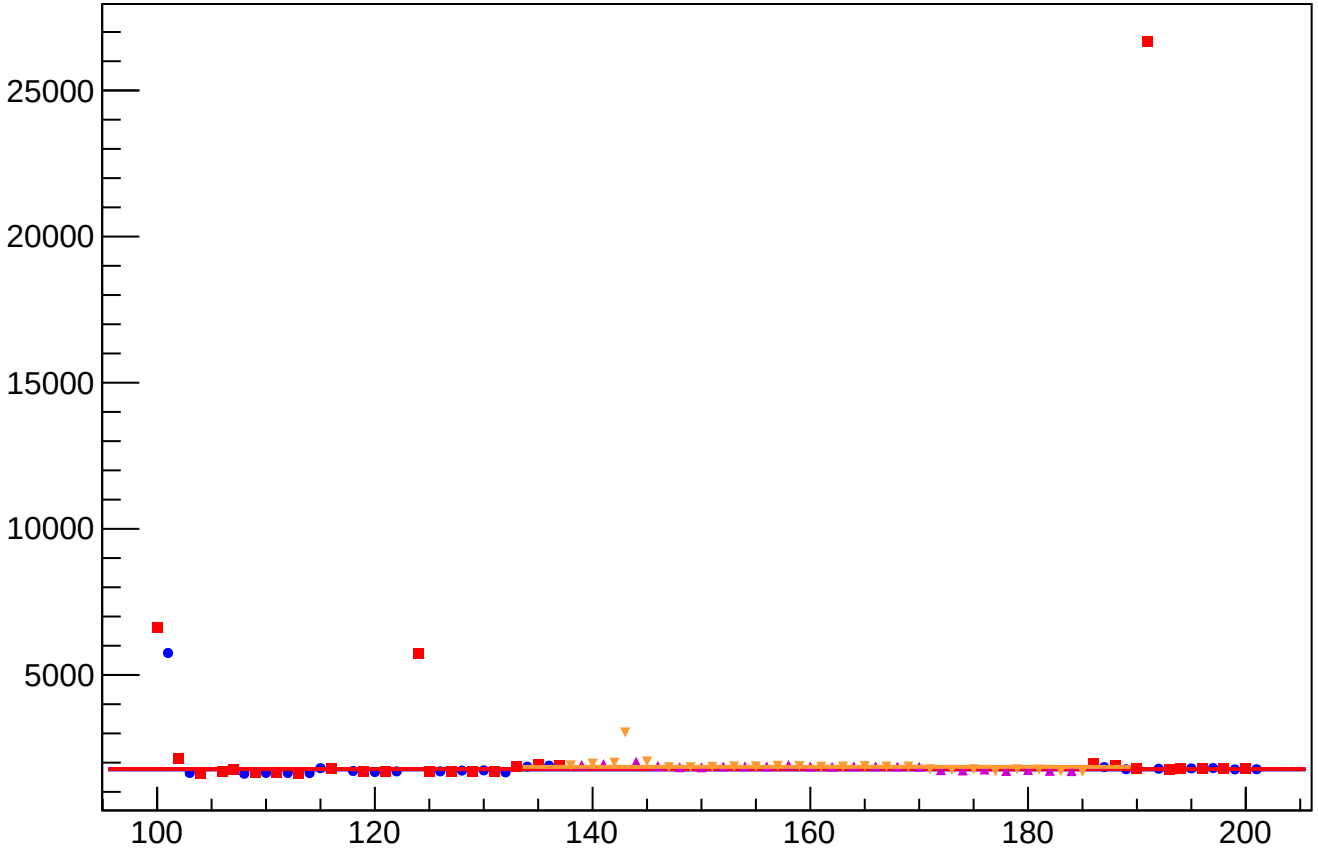
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1792.818+/-325.858 χ^2/NDF: 48.8/47

All: -382.289+/-229.775 χ^2/NDF: 183.6/98

- sign -2533.360+/-324.052 χ^2/NDF: 46.2/50

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

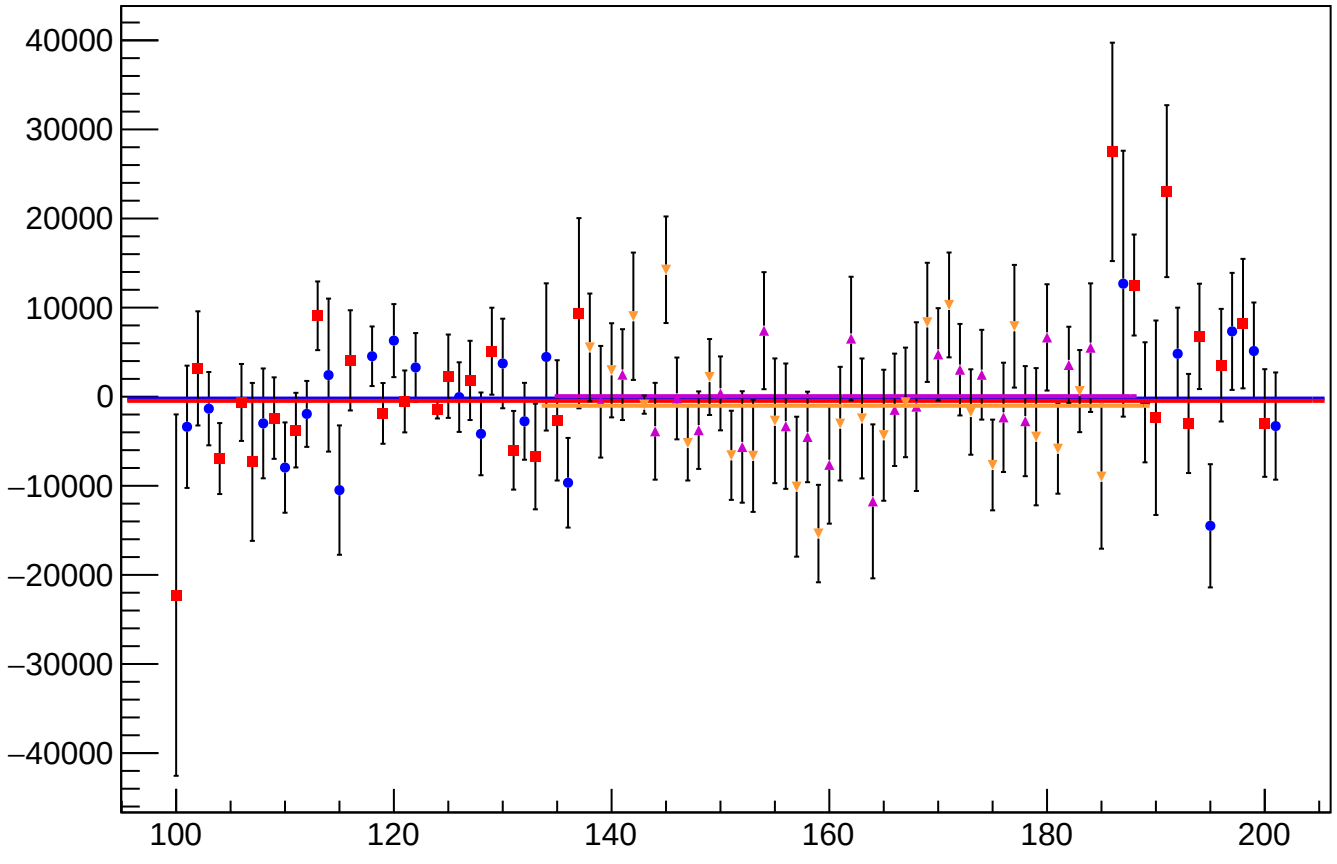
Right Out: 1779.090+/-0.348 χ^2/NDF: 630428.1/27

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1819.859+/-0.230 χ^2/NDF: 1033906.7/47

All: 1816.975+/-0.162 χ^2/NDF: 1753584.9/98

- sign 1814.127+/-0.229 χ^2/NDF: 719366.8/50



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: -466.174+/-697.027 χ^2/NDF: 39.3/27

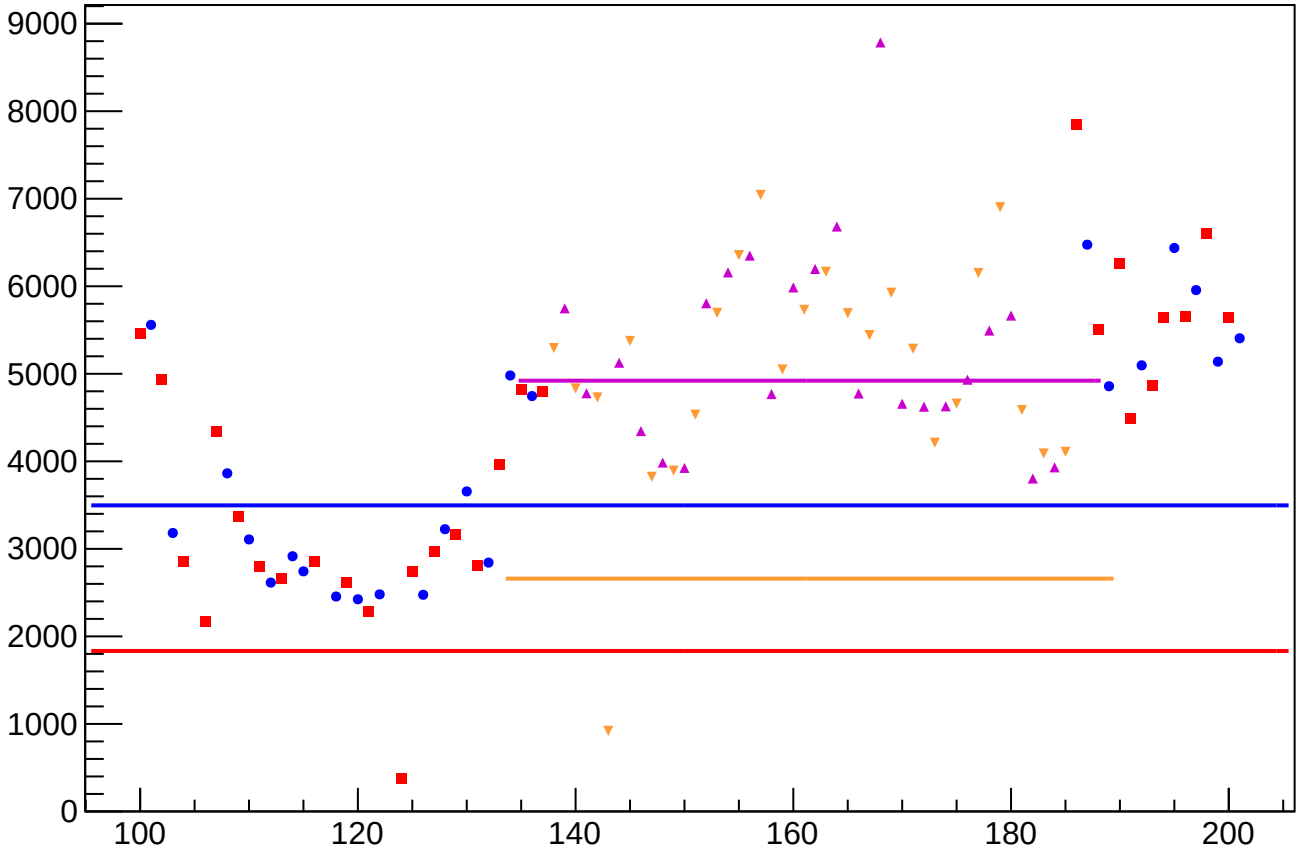
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -736.660+/-623.235 χ^2/NDF: 58.7/47

All: -524.501+/-431.973 χ^2/NDF: 111.4/98

- sign -328.342+/-599.274 χ^2/NDF: 52.5/50

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: 1833.457+/-0.493 χ^2/NDF: 12994564.9/27

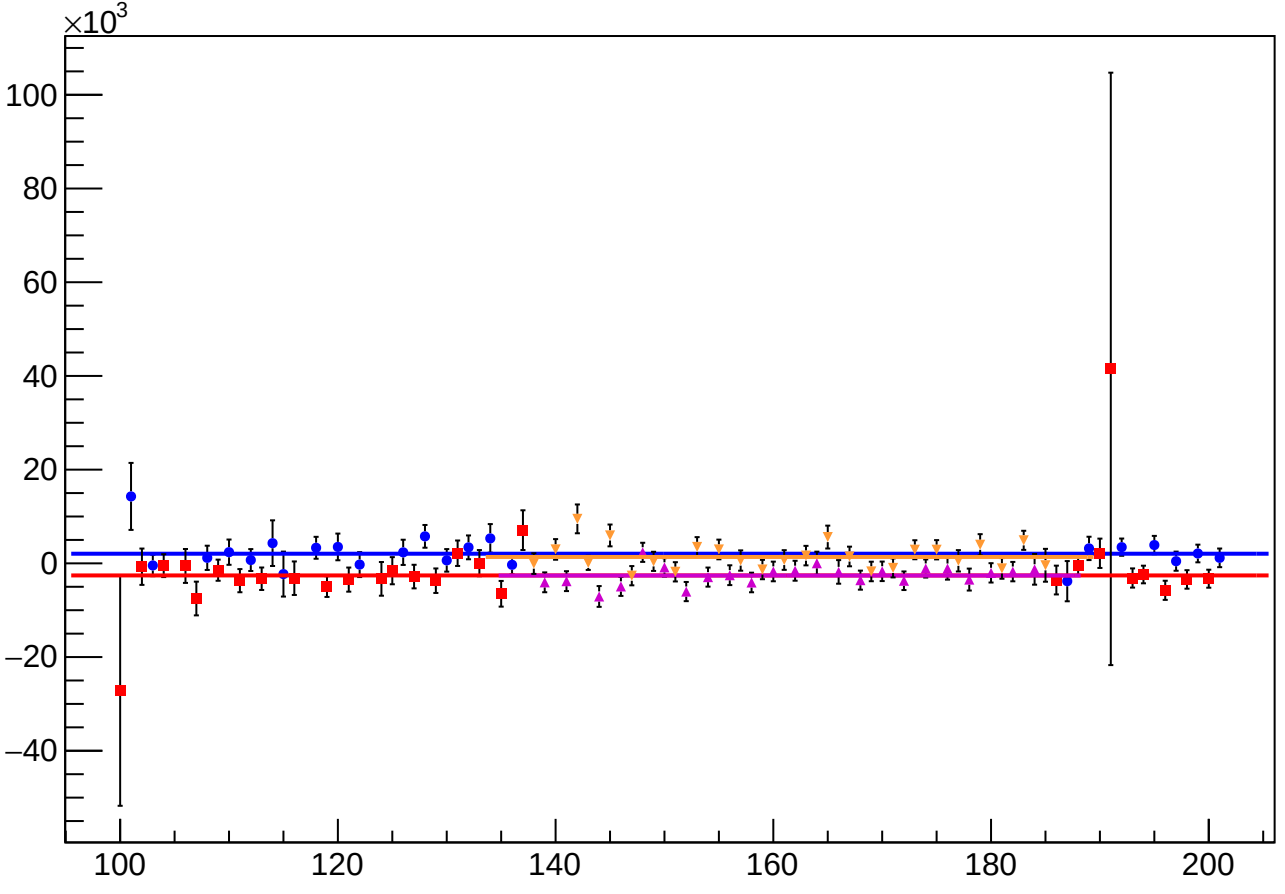
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2951.144+/-0.441 χ^2/NDF: 17937268.1/47

All: 2788.865+/-0.305 χ^2/NDF: 42681176.1/9

- sign 2638.824+/-0.424 χ^2/NDF: 24482940.3/50

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: -2577.761+/-495.553 χ^2/NDF: 24.3/27

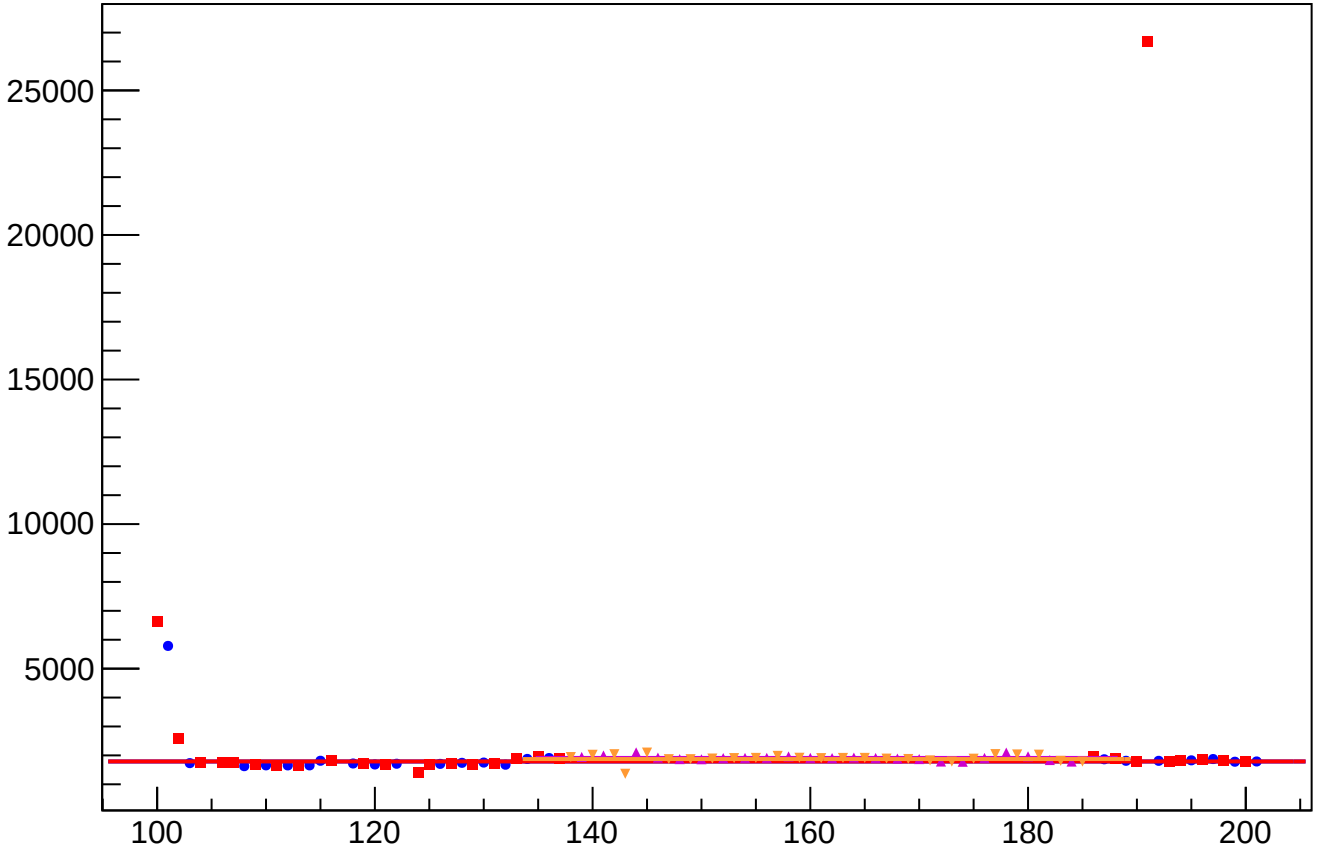
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1644.872+/-329.260 χ^2/NDF: 54.0/47

All: -457.003+/-233.719 χ^2/NDF: 180.5/98

- sign -2591.594+/-331.812 χ^2/NDF: 44.4/50

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: 1790.828+/-0.350 χ^2/NDF: 554933.2/27

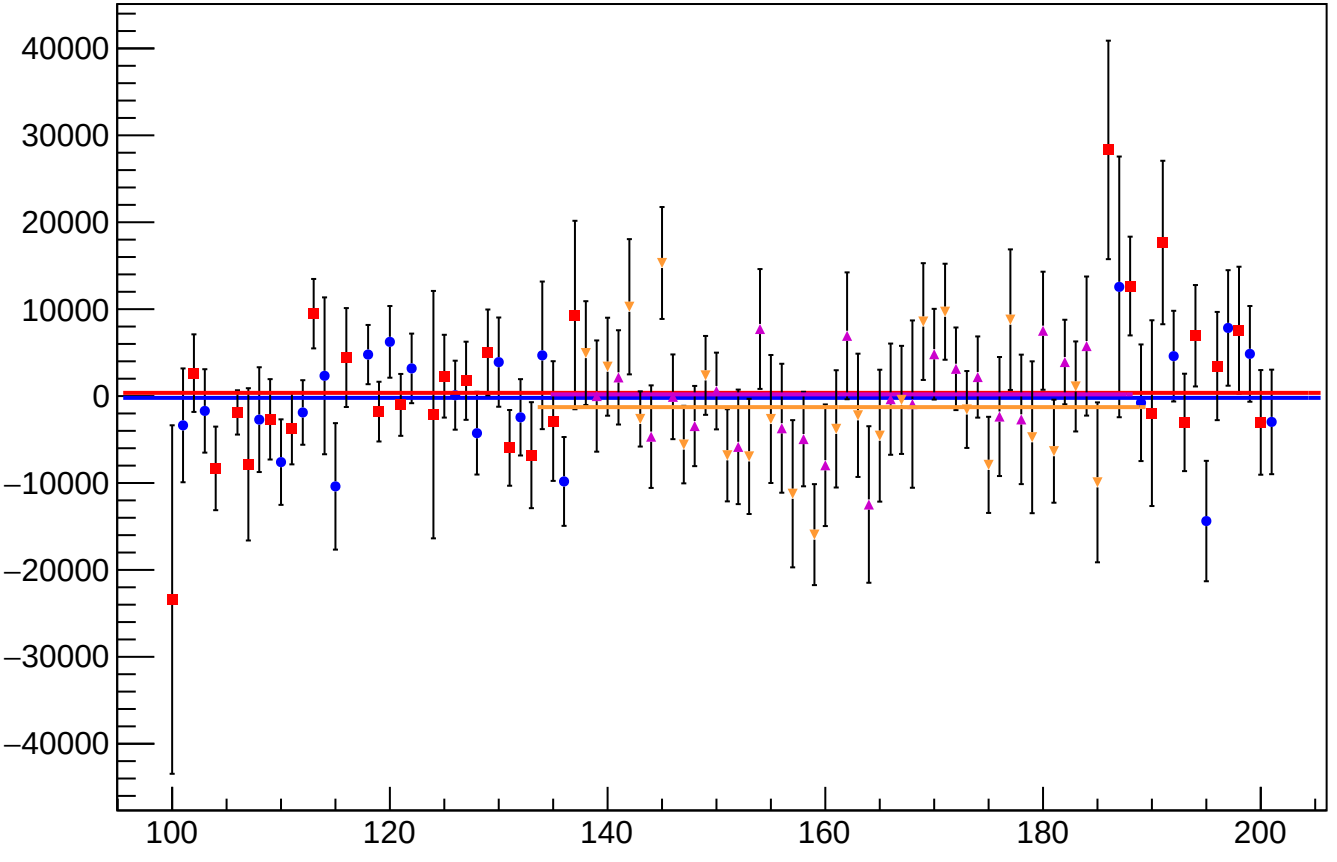
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1838.783+/-0.233 χ^2/NDF: 1016274.9/47

All: 1847.959+/-0.165 χ^2/NDF: 1698926.7/98

- sign 1857.266+/-0.234 χ^2/NDF: 679522.7/50

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: 370.359+/-968.985 χ^2/NDF: 36.1/27

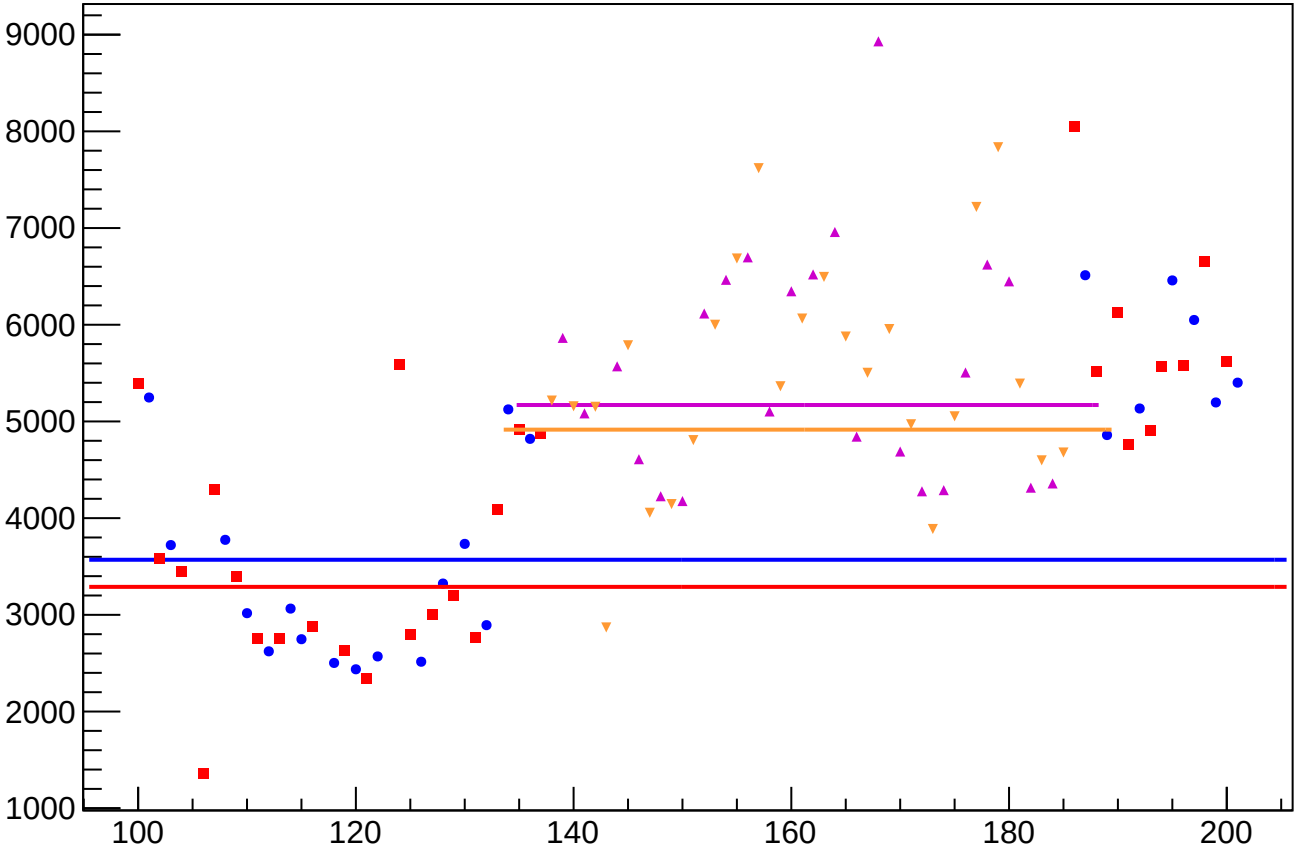
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -698.805+/-787.657 χ^2/NDF: 58.0/47

All: -180.833+/-547.748 χ^2/NDF: 107.6/98

- sign 304.241+/-762.233 χ^2/NDF: 48.8/50

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: 3289.276+/-0.685 χ^2/NDF: 4053771.9/27

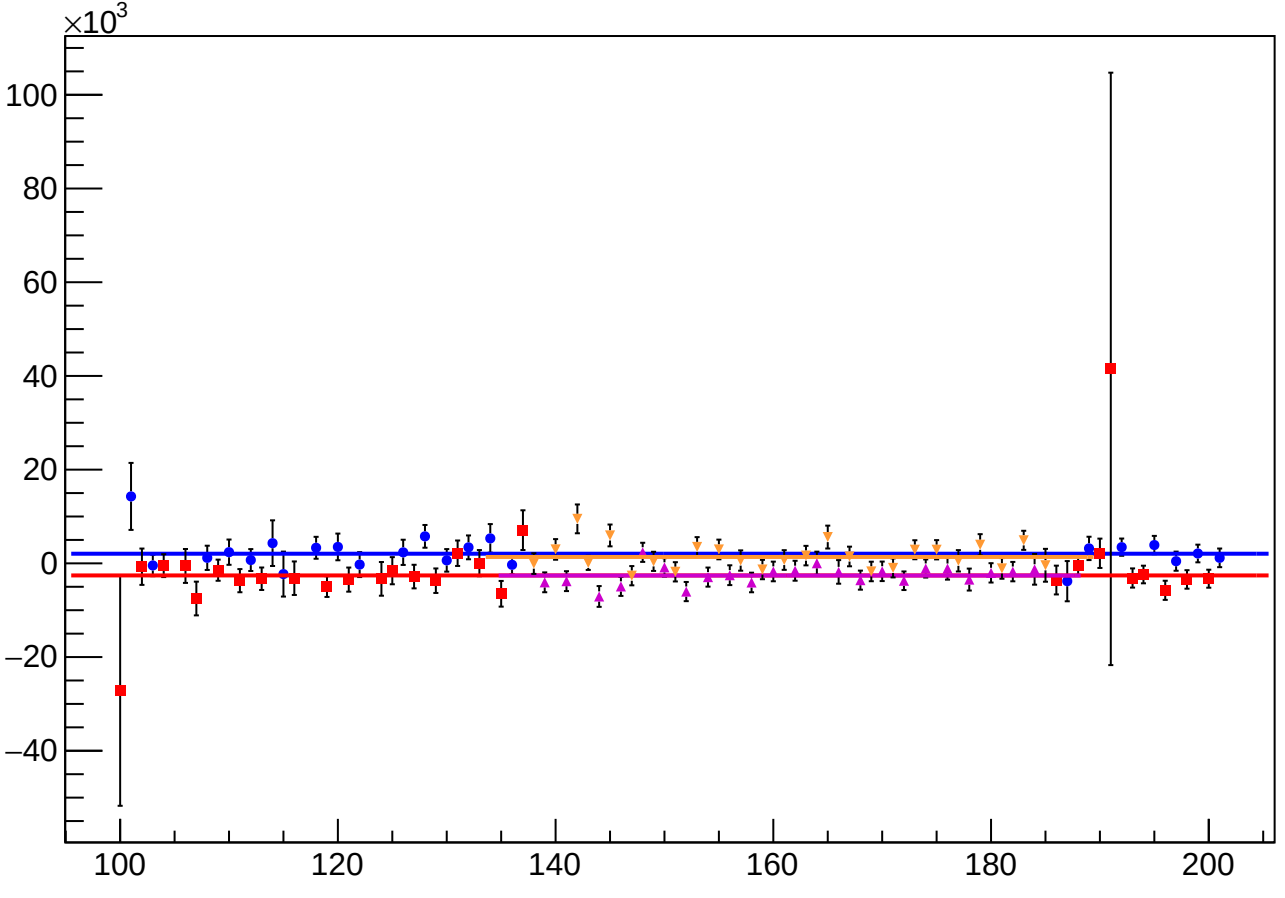
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4194.195+/-0.557 χ^2/NDF: 6112447.7/47

All: 4097.136+/-0.387 χ^2/NDF: 14446010.4/9

- sign 4006.242+/-0.539 χ^2/NDF: 8274754.1/50

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: -2577.761+/-495.553 χ^2/NDF: 24.3/27

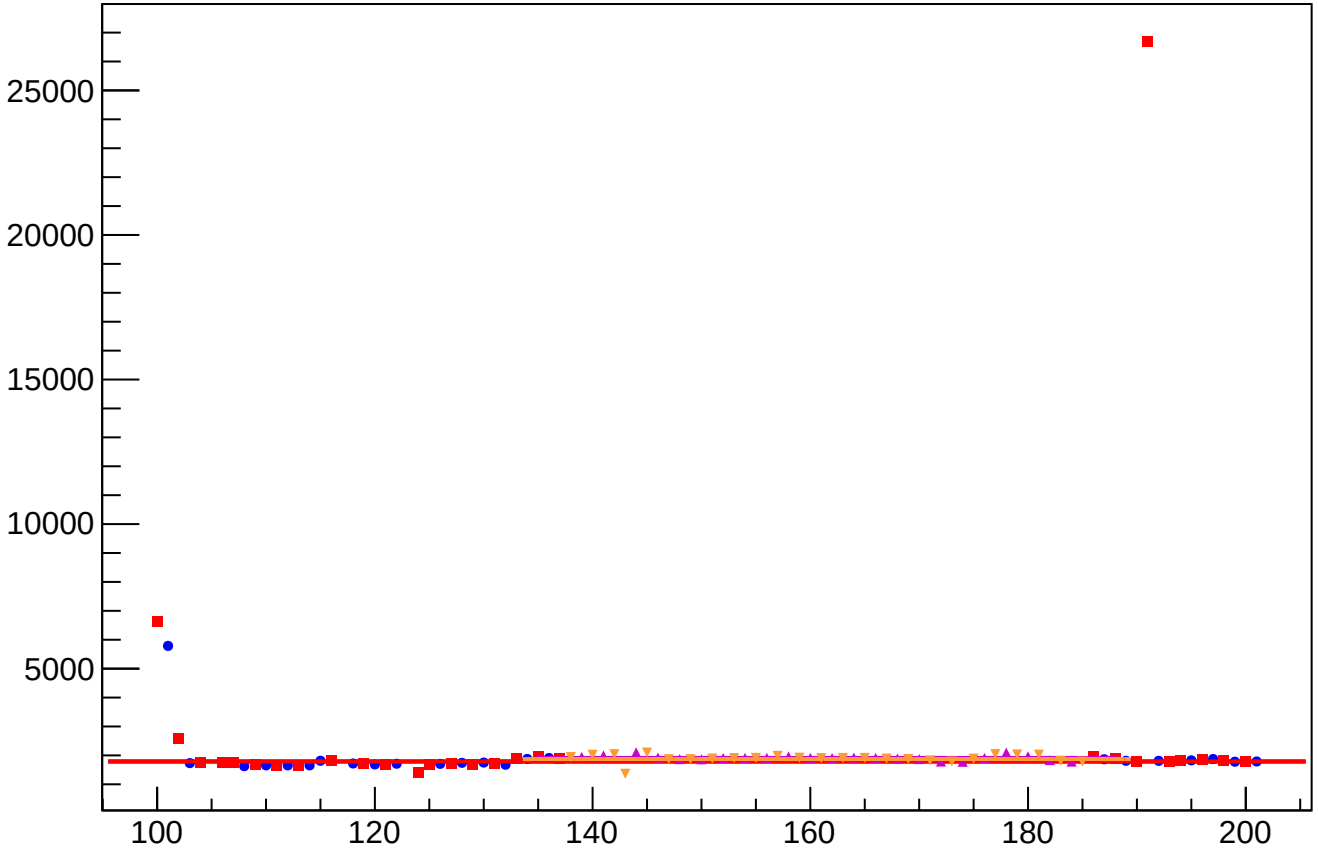
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1644.870+/-329.260 χ^2/NDF: 54.0/47

All: -457.003+/-233.719 χ^2/NDF: 180.5/98

- sign -2591.593+/-331.813 χ^2/NDF: 44.4/50

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

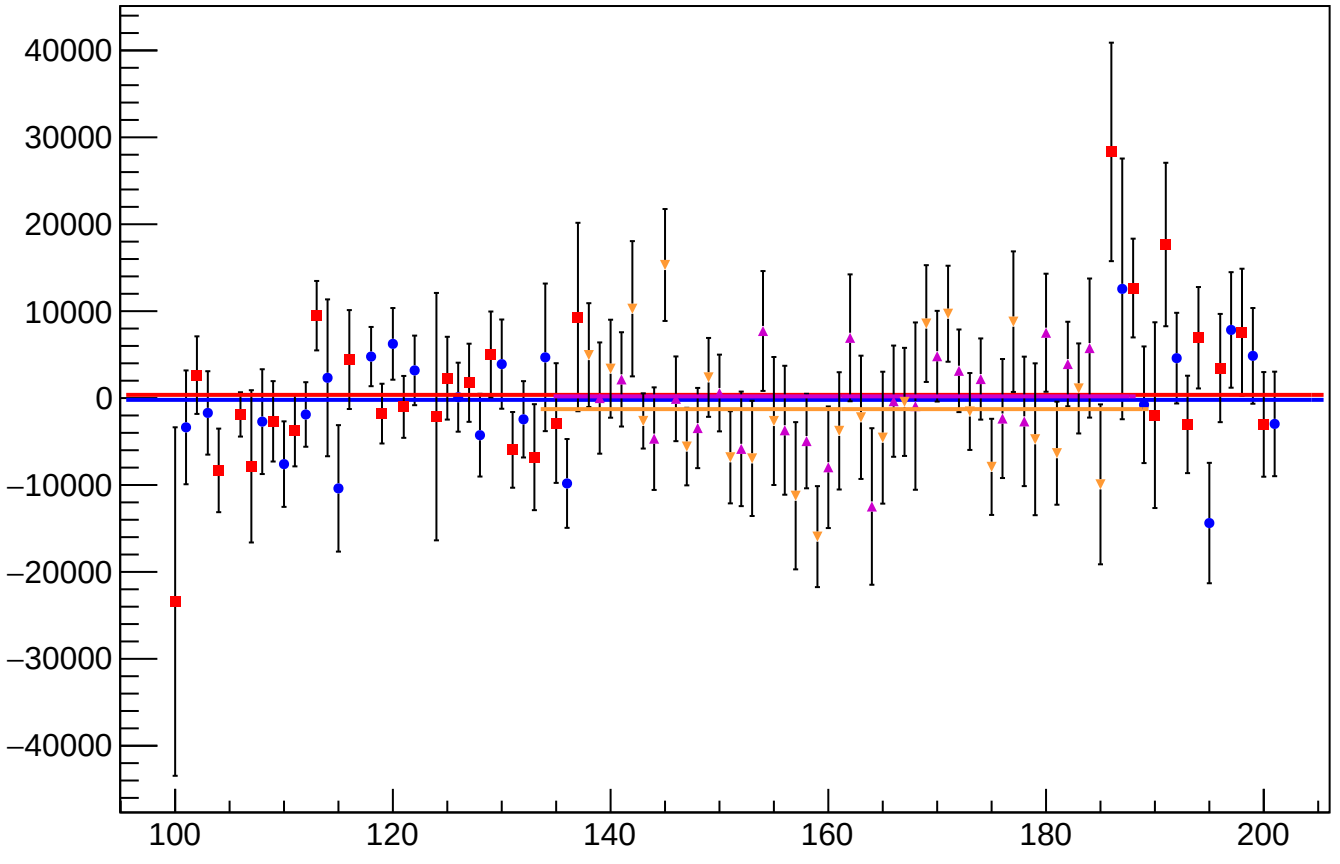
Right Out: 1790.828+/-0.350 χ^2/NDF: 554933.2/27

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1838.783+/-0.233 χ^2/NDF: 1016279.2/47

All: 1847.960+/-0.165 χ^2/NDF: 1698934.3/98

- sign 1857.266+/-0.234 χ^2/NDF: 679526.2/50



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: 370.352+/-968.982 χ^2/NDF: 36.1/27

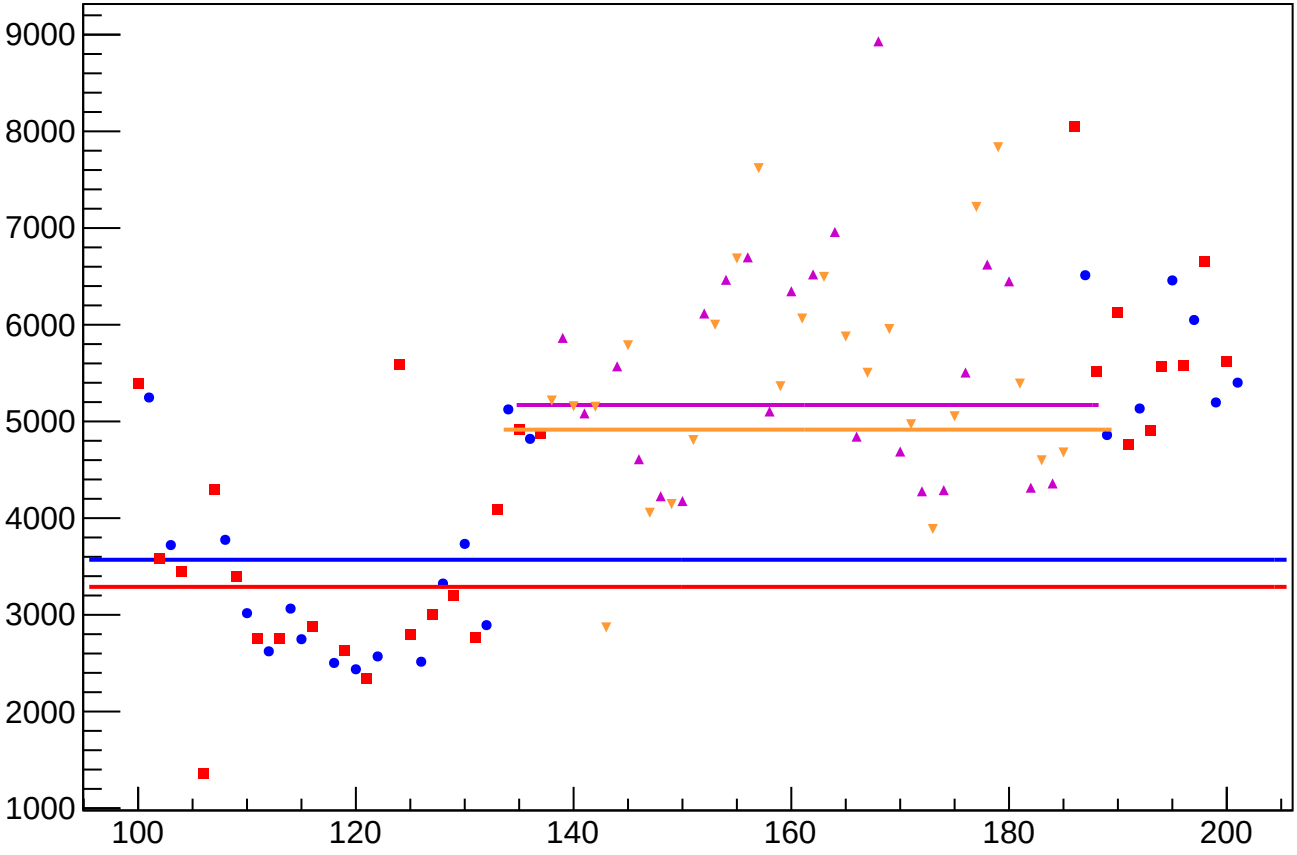
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

\+ sign -698.804+/-787.656 χ^2/NDF: 58.0/47

All: -180.834+/-547.747 χ^2/NDF: 107.6/98

\- sign 304.237+/-762.232 χ^2/NDF: 48.8/50

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: 3289.263+/-0.685 χ^2/NDF: 4053823.0/27

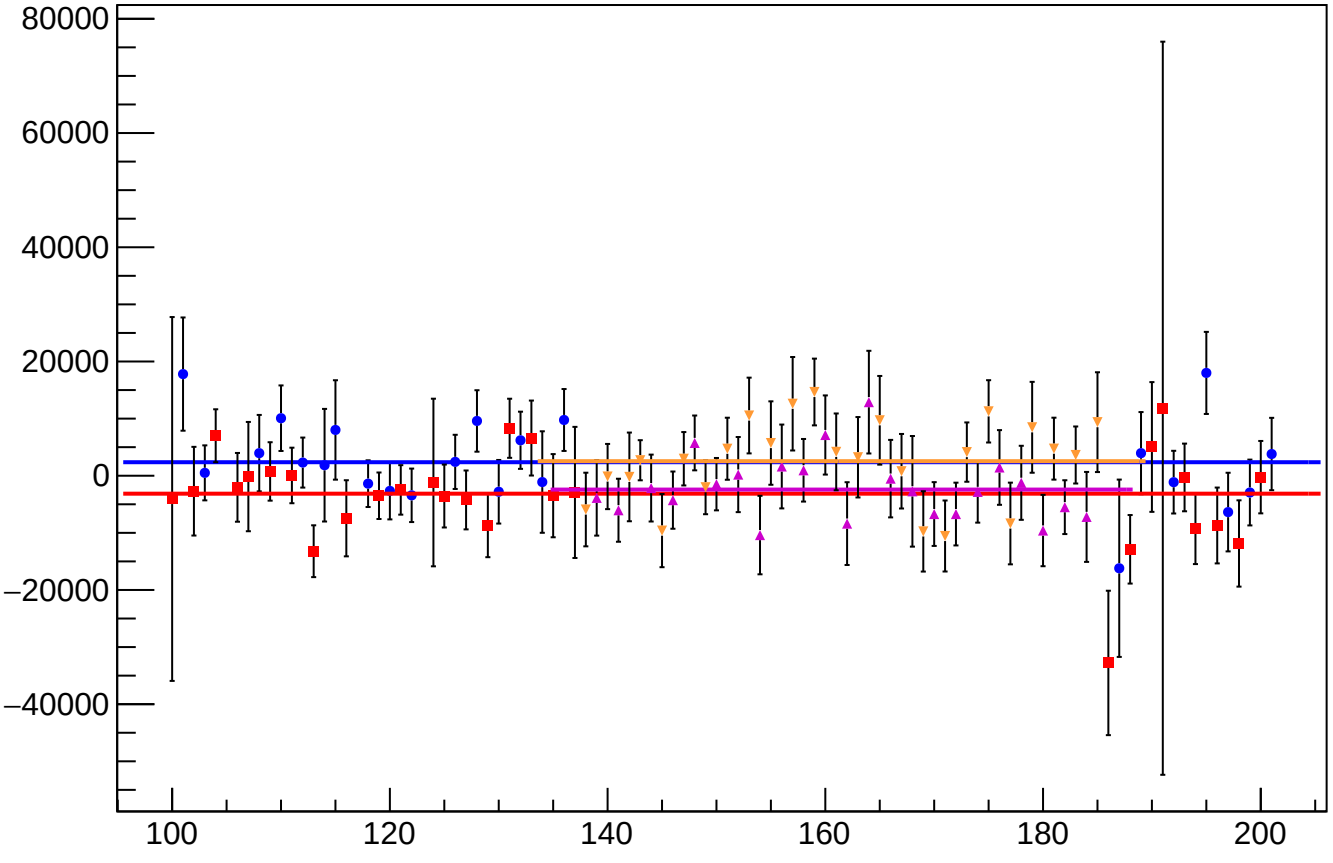
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4194.190+/-0.557 χ^2/NDF: 6112525.9/47

All: 4097.129+/-0.387 χ^2/NDF: 14446210.2/9

- sign 4006.233+/-0.539 χ^2/NDF: 8274873.2/50

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: -3142.331+/-1174.984 χ^2/NDF: 31.6/27

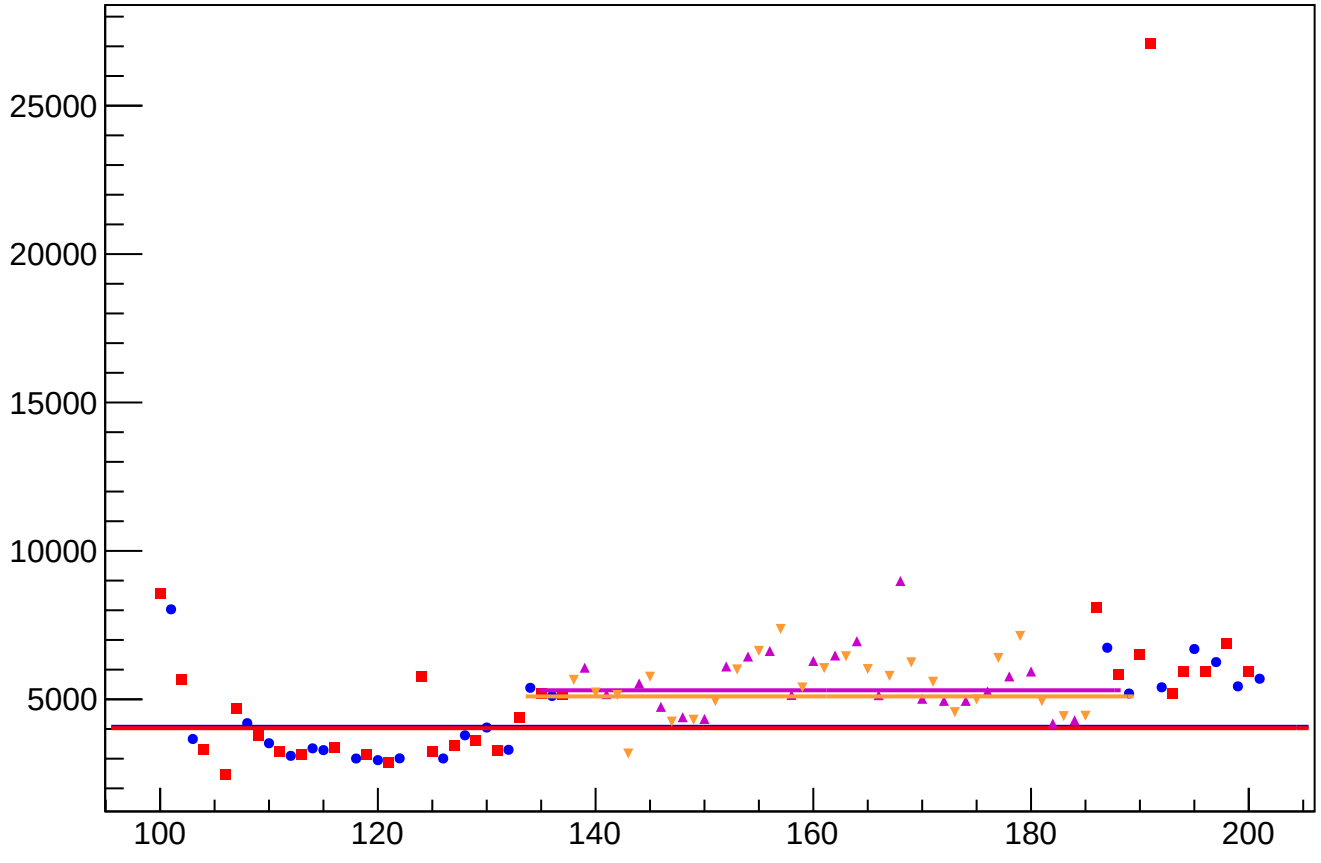
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2458.585+/-849.318 χ^2/NDF: 51.7/47

All: -144.036+/-604.027 χ^2/NDF: 117.5/98

- sign -2807.659+/-859.214 χ^2/NDF: 46.8/50

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

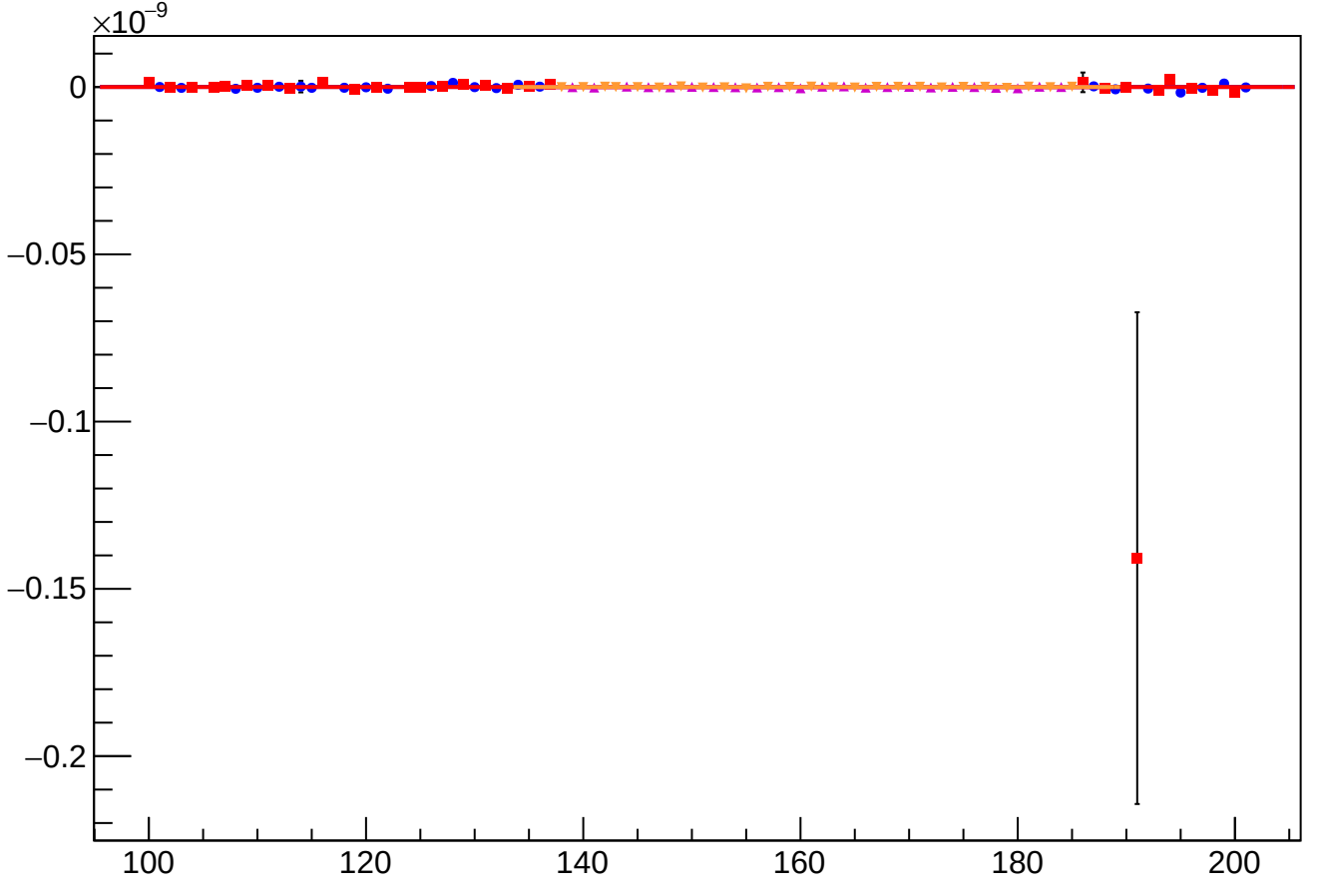
Right Out: 4026.988+/-0.821 χ^2/NDF: 2673541.9/27

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4597.668+/-0.601 χ^2/NDF: 4297558.0/47

All: 4605.613+/-0.426 χ^2/NDF: 9101065.8/98

- sign 4613.640+/-0.604 χ^2/NDF: 4803155.9/50



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: 38.0/27

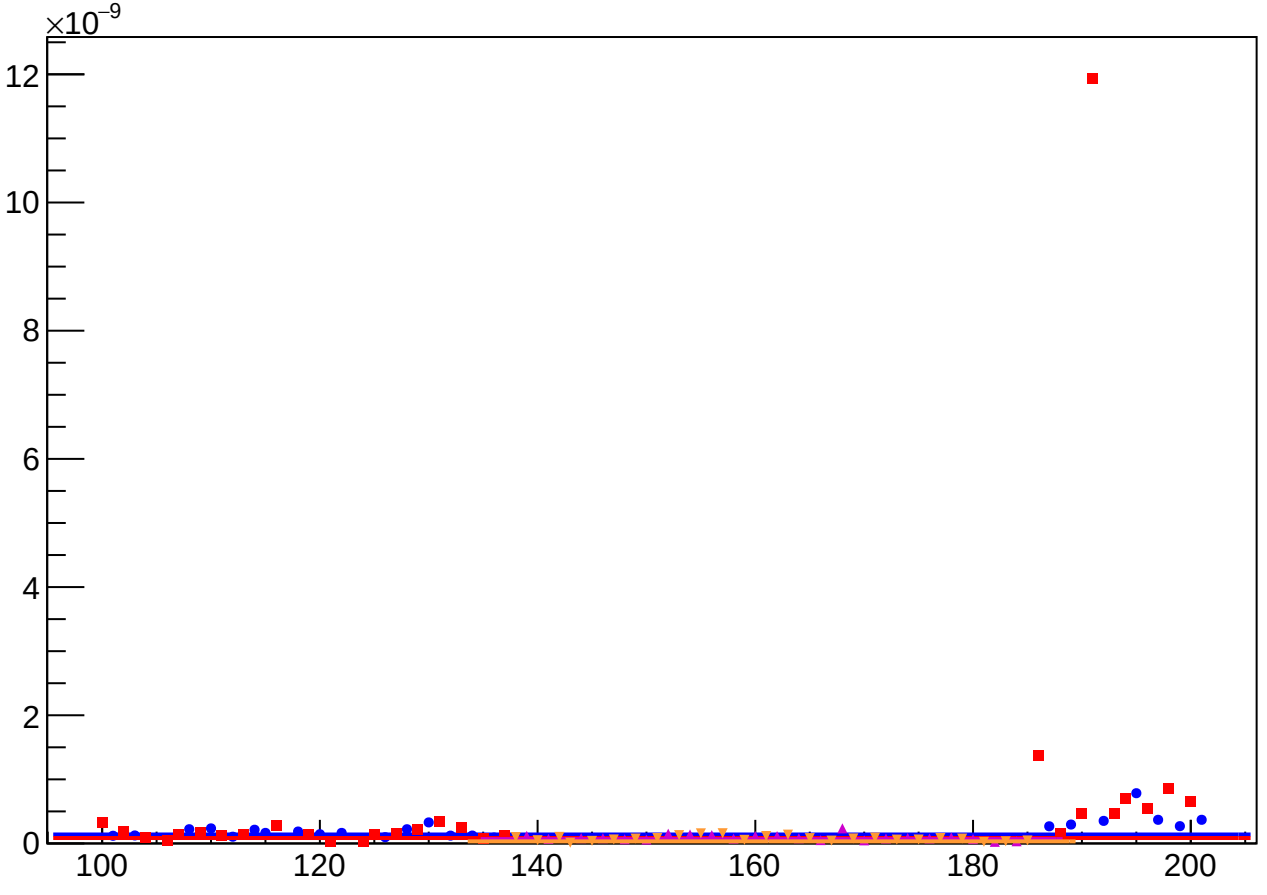
Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/47

All: 0.000+/-0.000 χ^2/NDF: 101.8/98

- sign 0.000+/-0.000 χ^2/NDF: 60.9/50

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2256661.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6120087.5/27

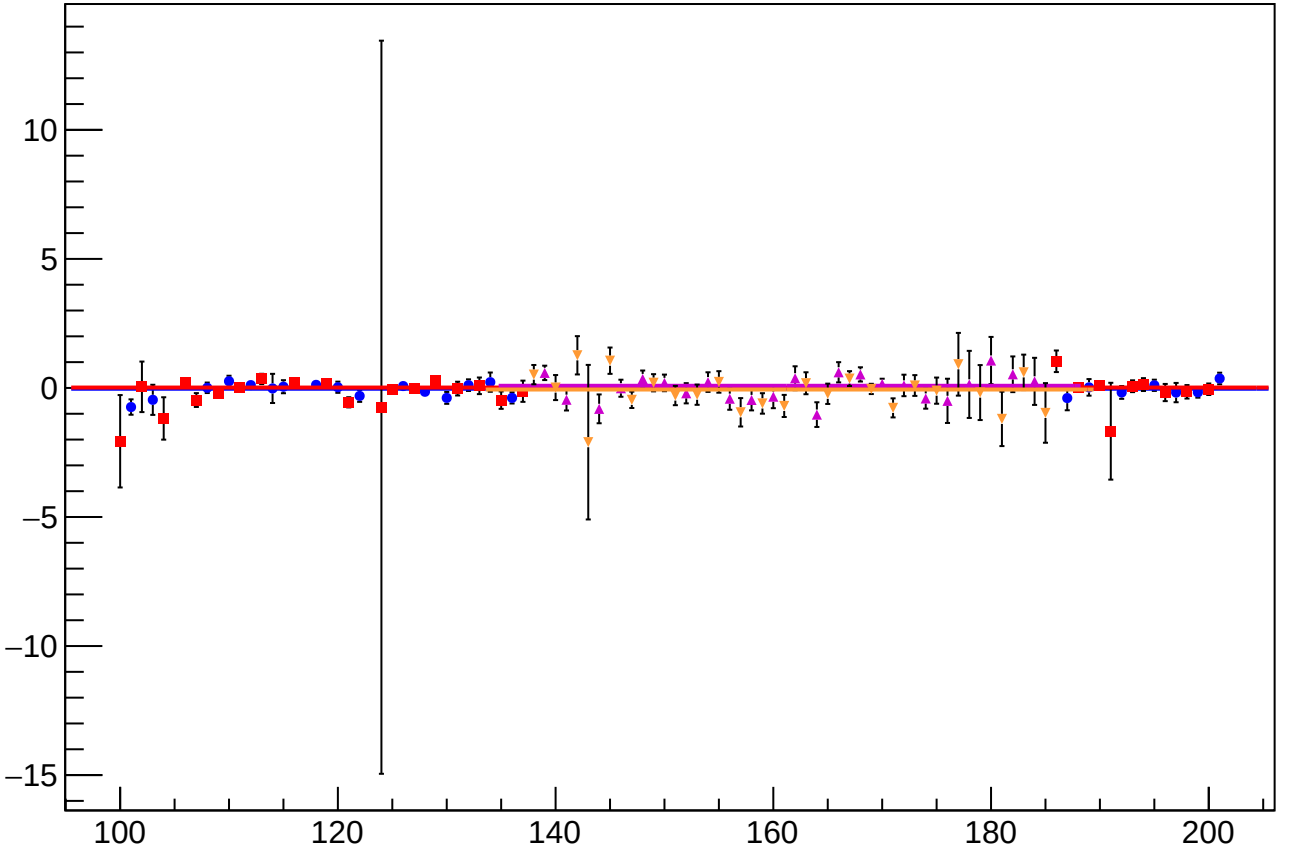
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12765010.3/47

All: 0.000+/-0.000 χ^2/NDF: 23885323.3/98

- sign 0.000+/-0.000 χ^2/NDF: 8736729.1/50

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: 0.016+/-0.042 χ^2/NDF: 36.8/27

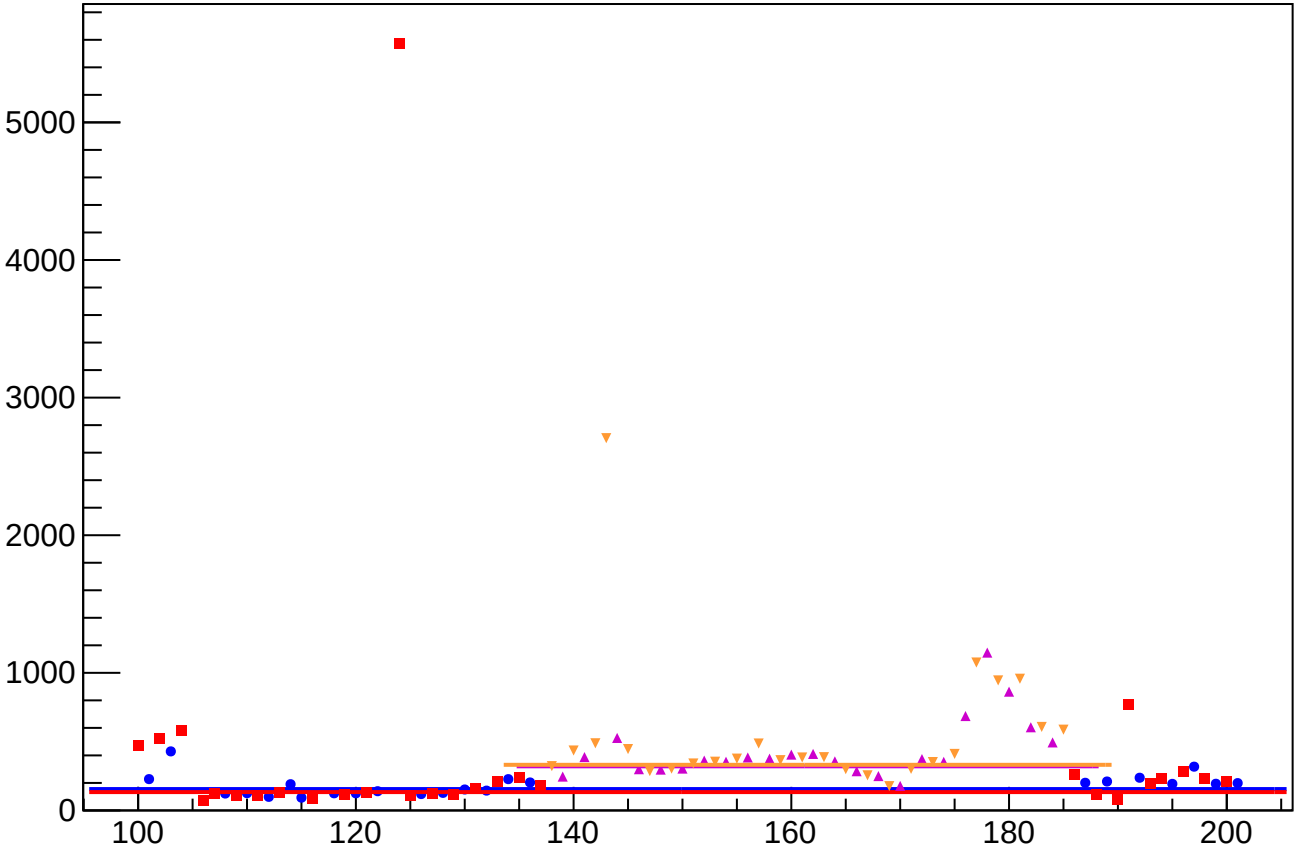
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.038+/-0.042 χ^2/NDF: 53.8/47

All: -0.000+/-0.028 χ^2/NDF: 119.7/98

- sign 0.030+/-0.037 χ^2/NDF: 64.4/50

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: 133.455+/-0.030 χ^2/NDF: 4314995.0/27

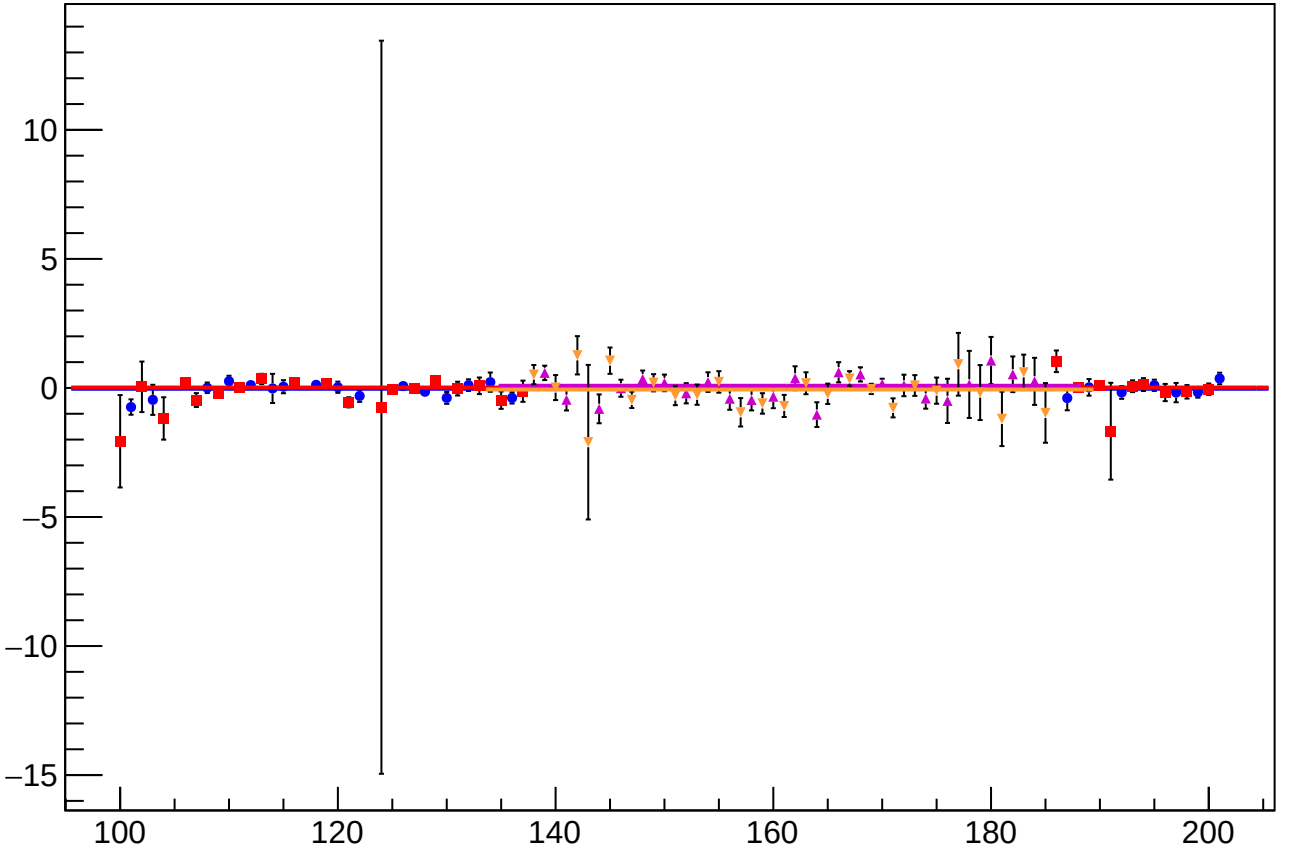
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 199.933+/-0.030 χ^2/NDF: 14822611.8/47

All: 184.890+/-0.020 χ^2/NDF: 32244879.8/98

- sign 173.051+/-0.026 χ^2/NDF: 16965035.1/50

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: 0.016+/-0.042 χ^2/NDF: 36.8/27

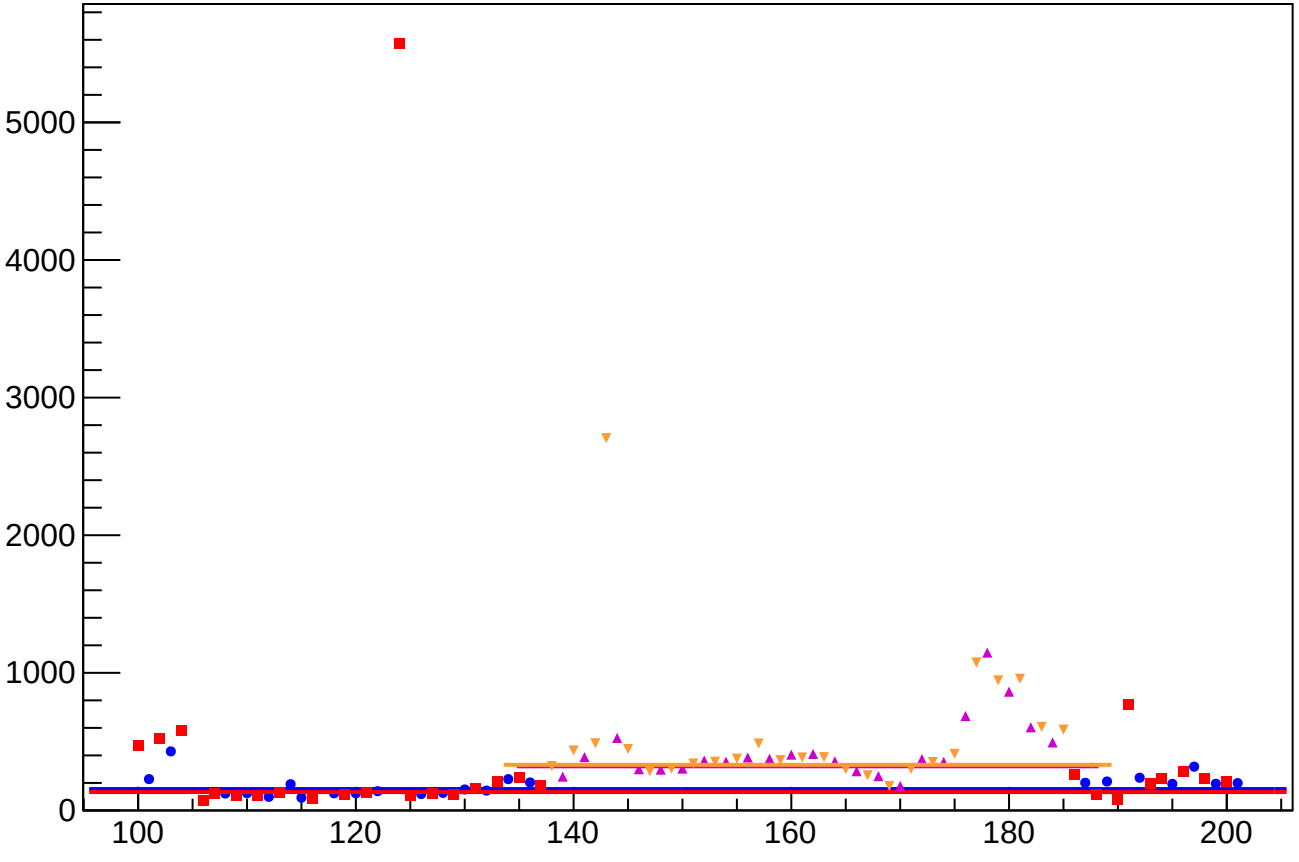
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.038+/-0.042 χ^2/NDF: 53.8/47

All: -0.000+/-0.028 χ^2/NDF: 119.7/98

- sign 0.030+/-0.037 χ^2/NDF: 64.4/50

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

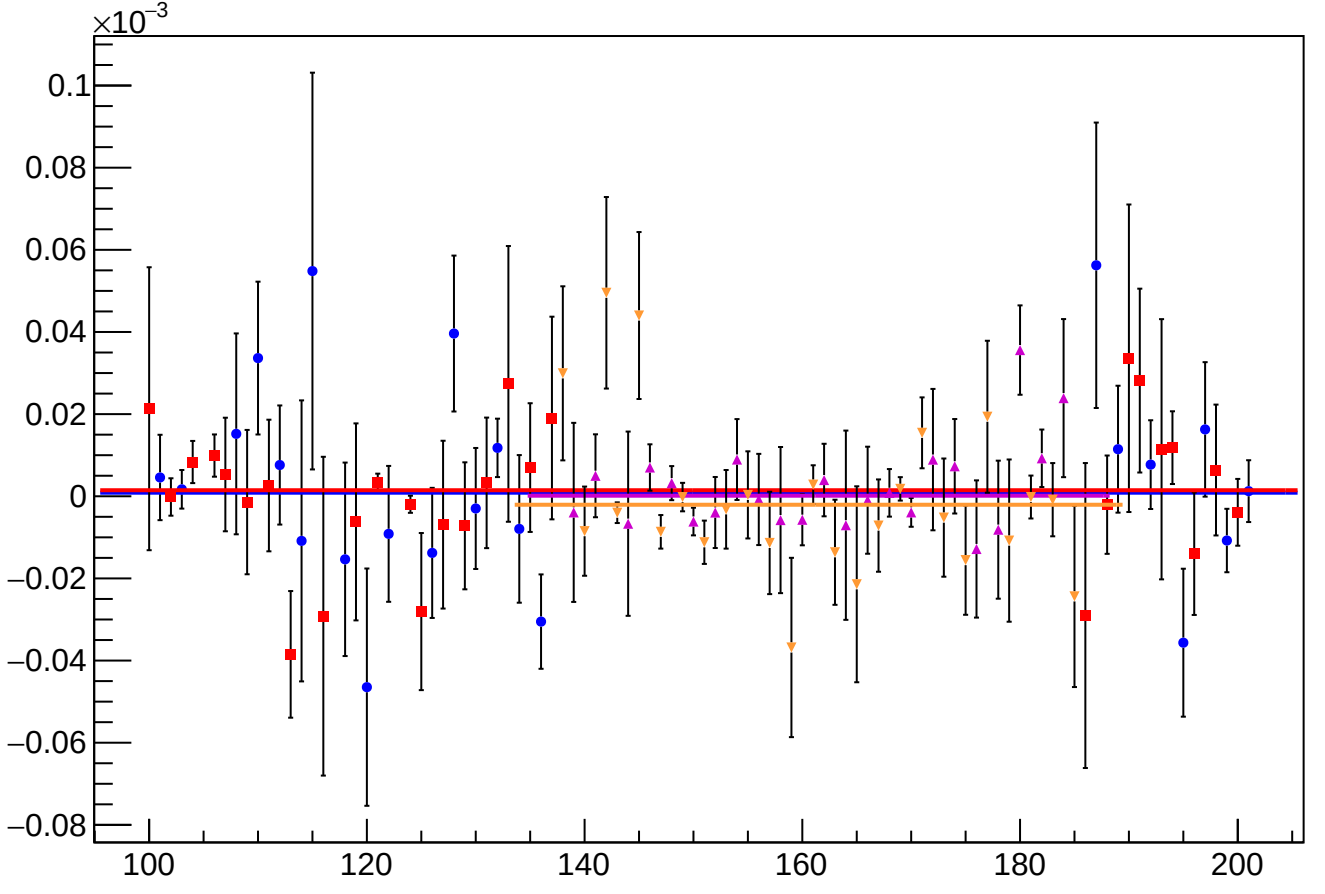
Right Out: 133.455+/-0.030 χ^2/NDF: 4314995.0/27

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 199.933+/-0.030 χ^2/NDF: 14822611.8/47

All: 184.890+/-0.020 χ^2/NDF: 32244879.8/98

- sign 173.051+/-0.026 χ^2/NDF: 16965035.1/50



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: 26.3/27

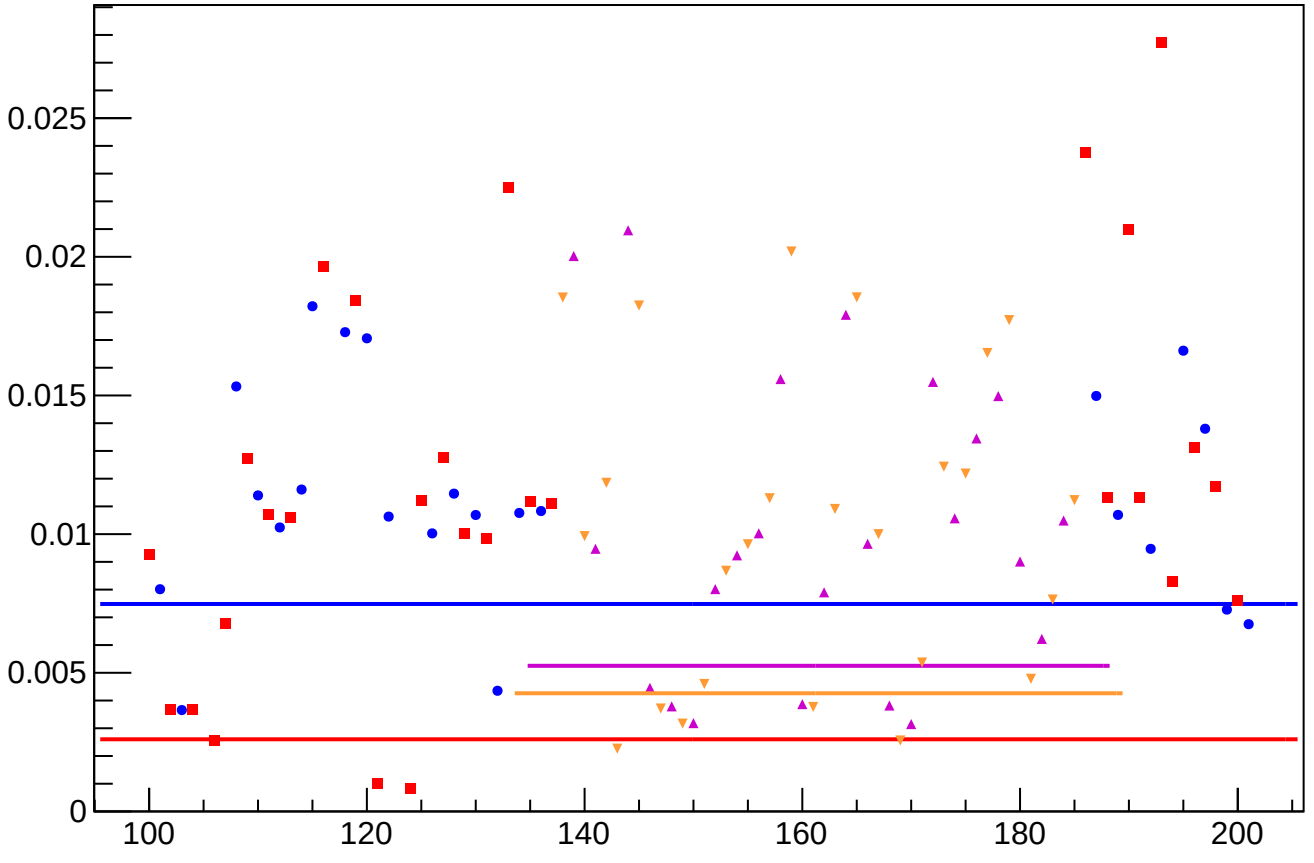
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.5/47

All: -0.000+/-0.000 χ^2/NDF: 124.8/98

- sign 0.000+/-0.000 χ^2/NDF: 51.6/50

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4401625.9/22

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 16409308.8/27

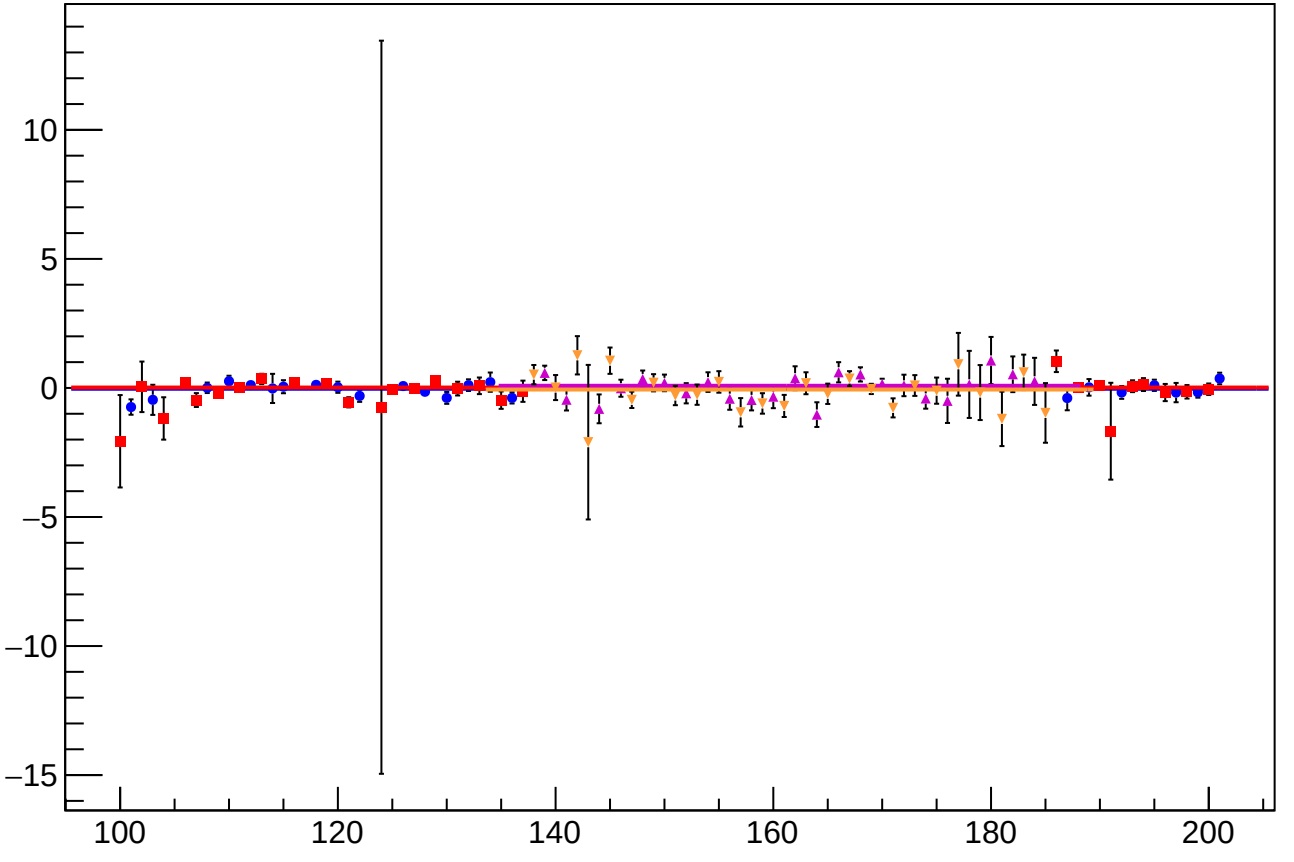
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 20138095.4/47

All: 0.004+/-0.000 χ^2/NDF: 51378643.6/98

- sign 0.004+/-0.000 χ^2/NDF: 29661491.5/50

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: 0.016+/-0.042 χ^2/NDF: 36.8/27

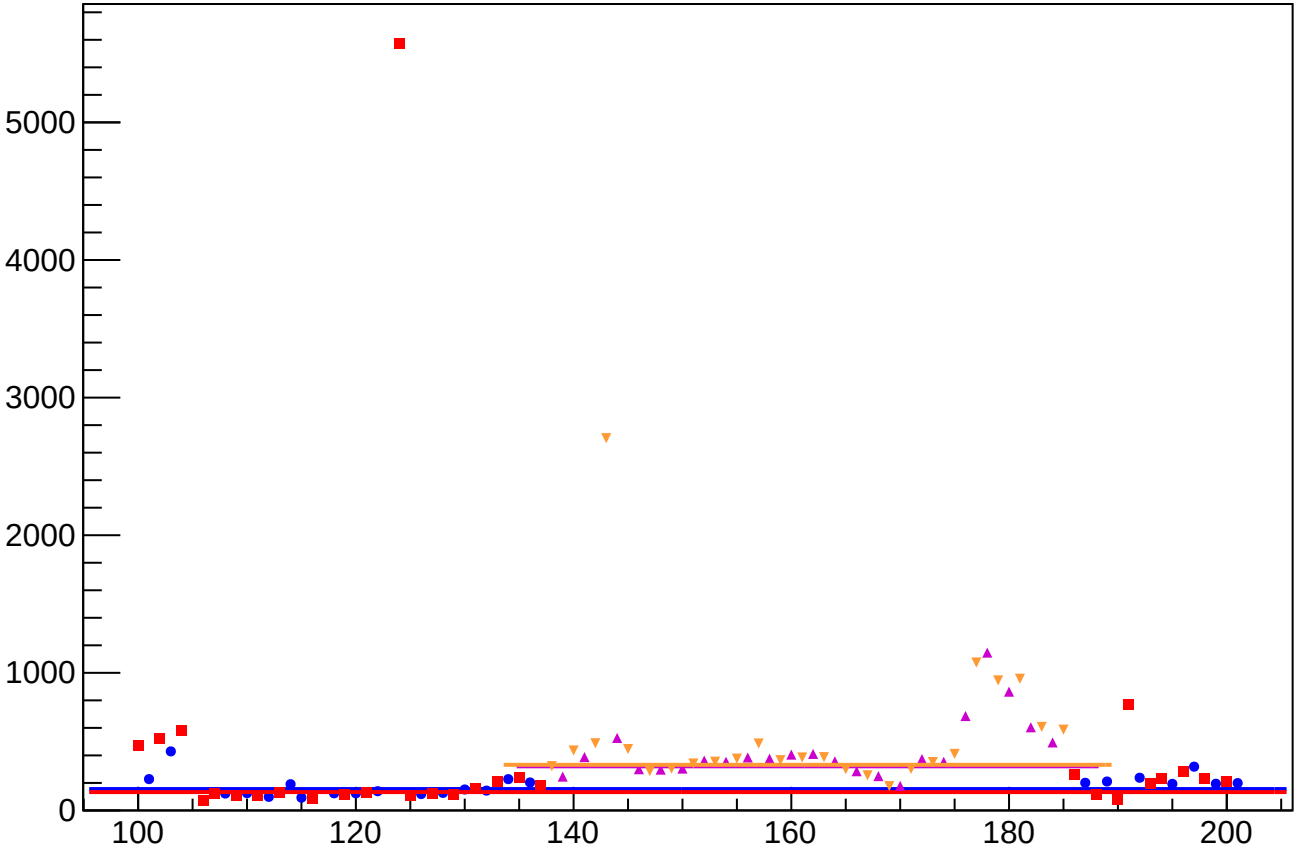
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.038+/-0.042 χ^2/NDF: 53.8/47

All: -0.000+/-0.028 χ^2/NDF: 119.7/98

- sign 0.030+/-0.037 χ^2/NDF: 64.4/50

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

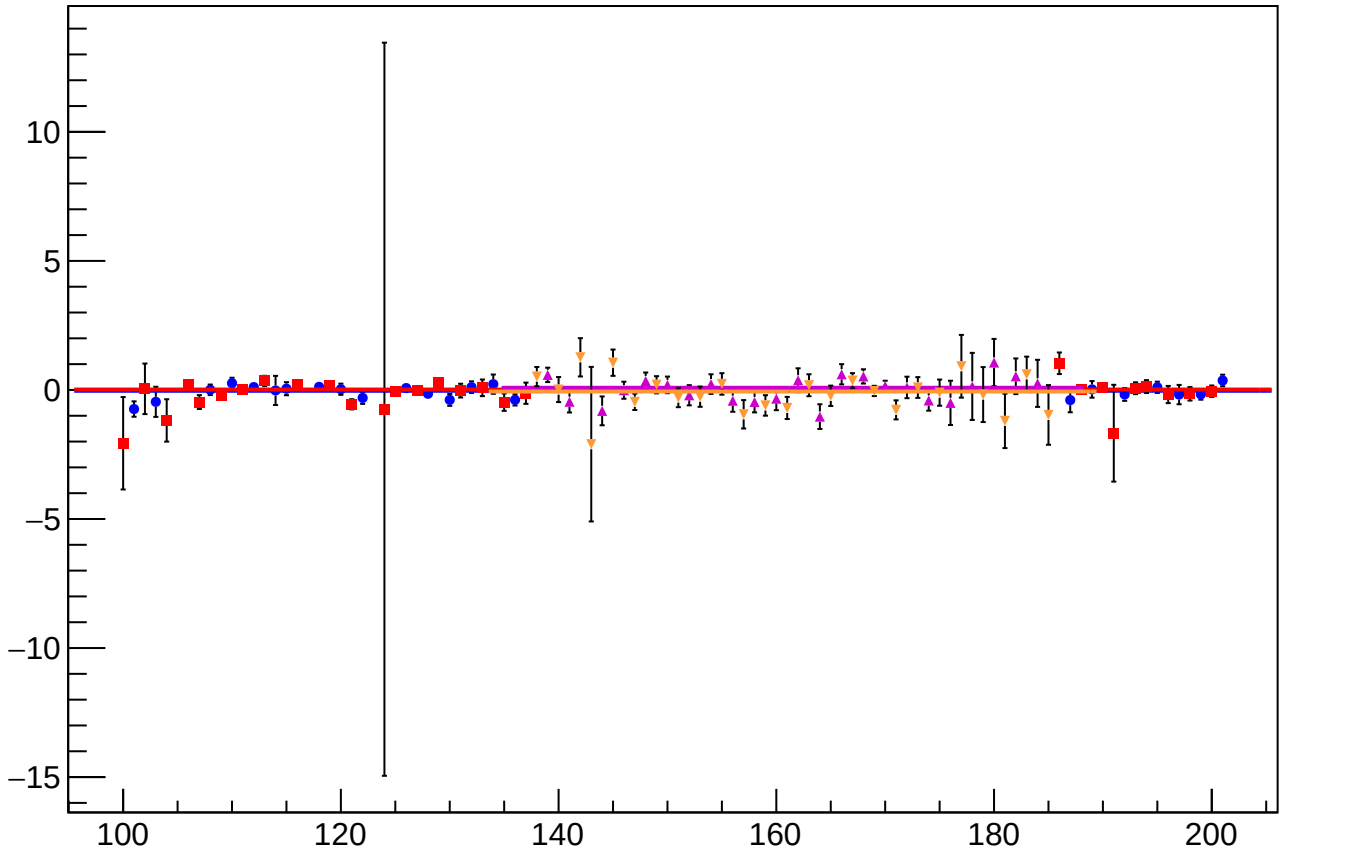
Right Out: 133.454+/-0.030 χ^2/NDF: 4314972.8/27

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 199.934+/-0.030 χ^2/NDF: 14822586.4/47

All: 184.890+/-0.020 χ^2/NDF: 32245061.2/98

- sign 173.051+/-0.026 χ^2/NDF: 16965195.4/50



Right In: -0.031+/-0.049 χ^2/NDF: 23.0/22

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

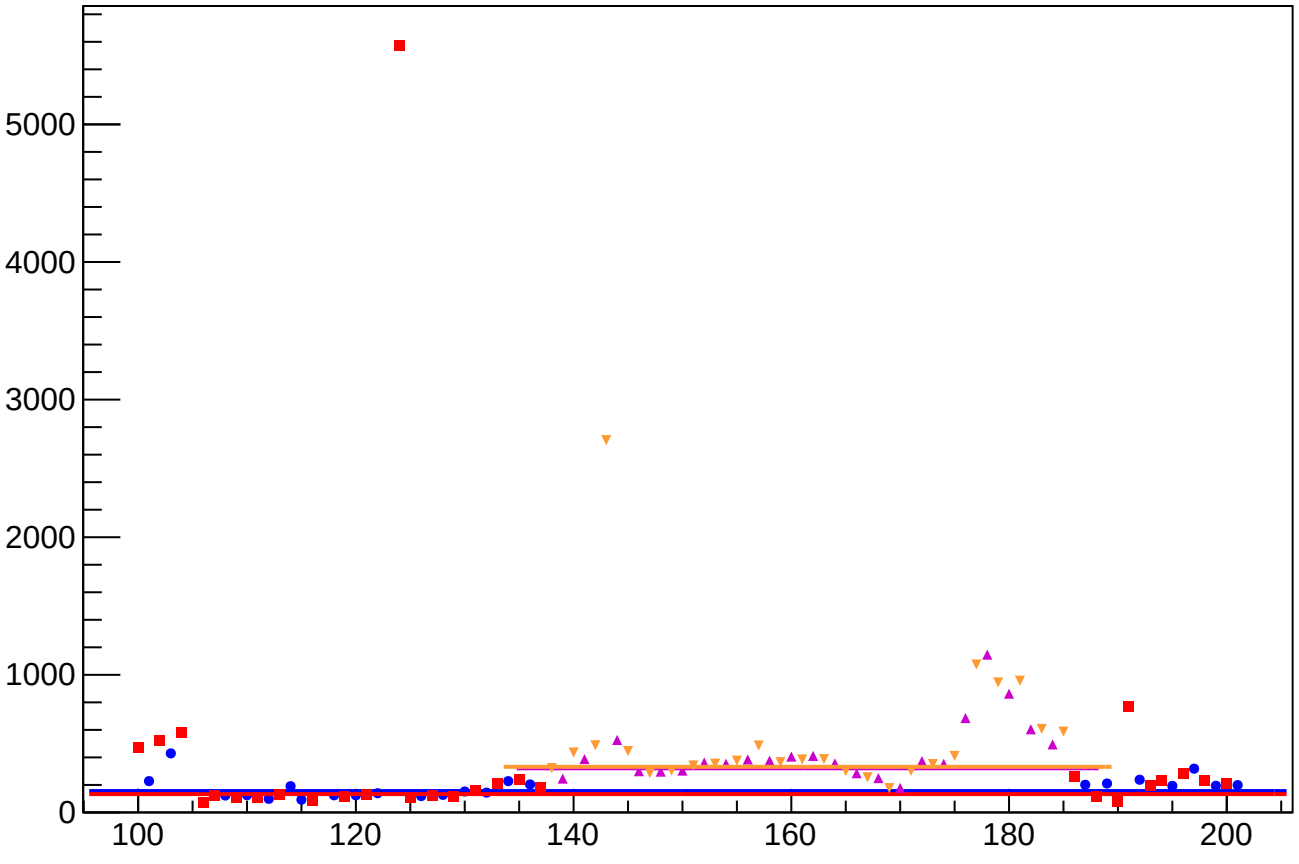
Right Out: 0.016+/-0.042 χ^2/NDF: 36.8/27

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.038+/-0.042 χ^2/NDF: 53.8/47

All: -0.000+/-0.028 χ^2/NDF: 119.7/98

- sign 0.030+/-0.037 χ^2/NDF: 64.4/50



Right In: 155.437+/-0.034 χ^2/NDF: 2356925.7/22

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

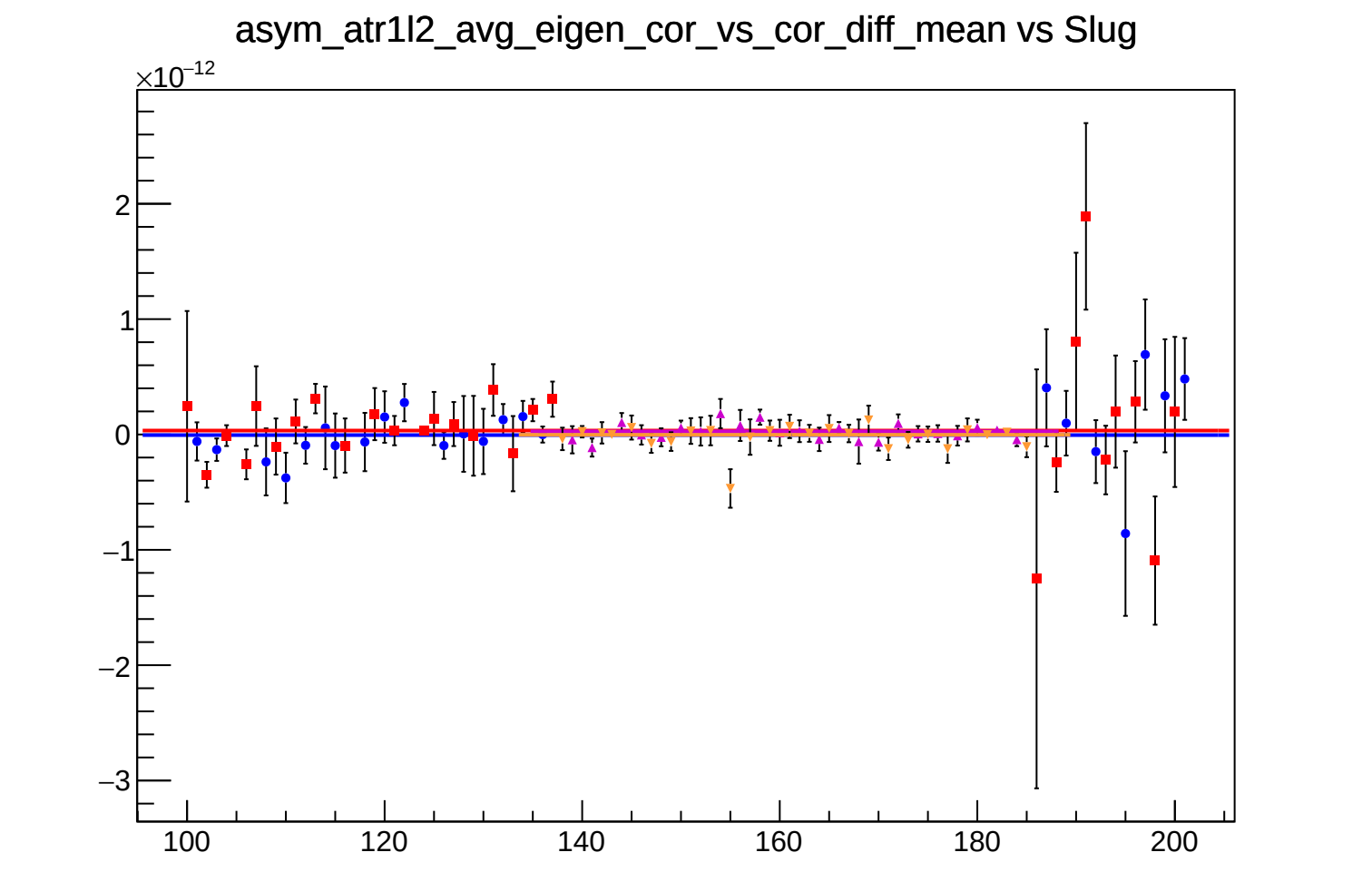
Right Out: 133.454+/-0.030 χ^2/NDF: 4314972.8/27

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 199.934+/-0.030 χ^2/NDF: 14822586.4/47

All: 184.890+/-0.020 χ^2/NDF: 32245061.2/98

- sign 173.051+/-0.026 χ^2/NDF: 16965195.4/50



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: 46.6/27

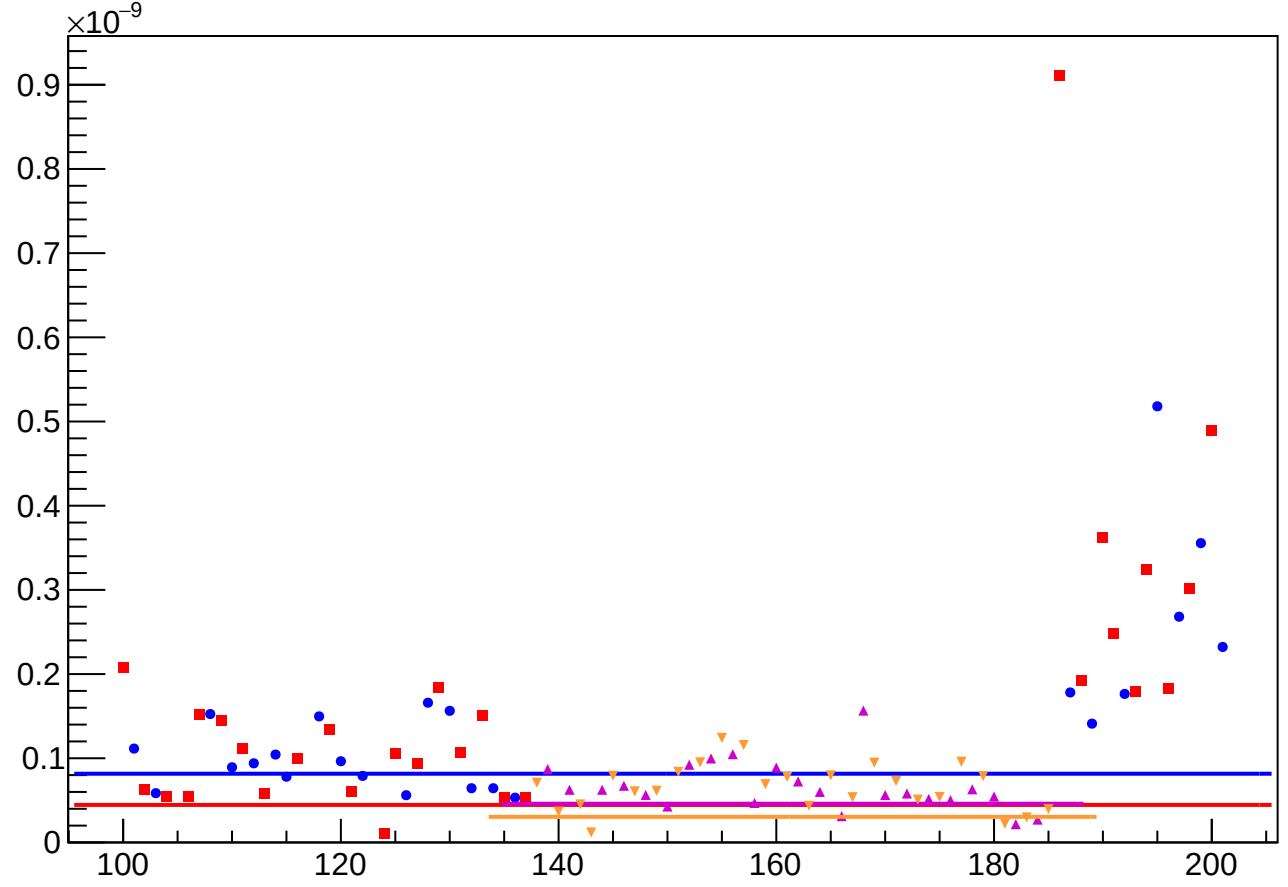
Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.3/47

All: 0.000+/-0.000 χ^2/NDF: 102.9/98

- sign 0.000+/-0.000 χ^2/NDF: 62.7/50

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



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: 8697109.3/27

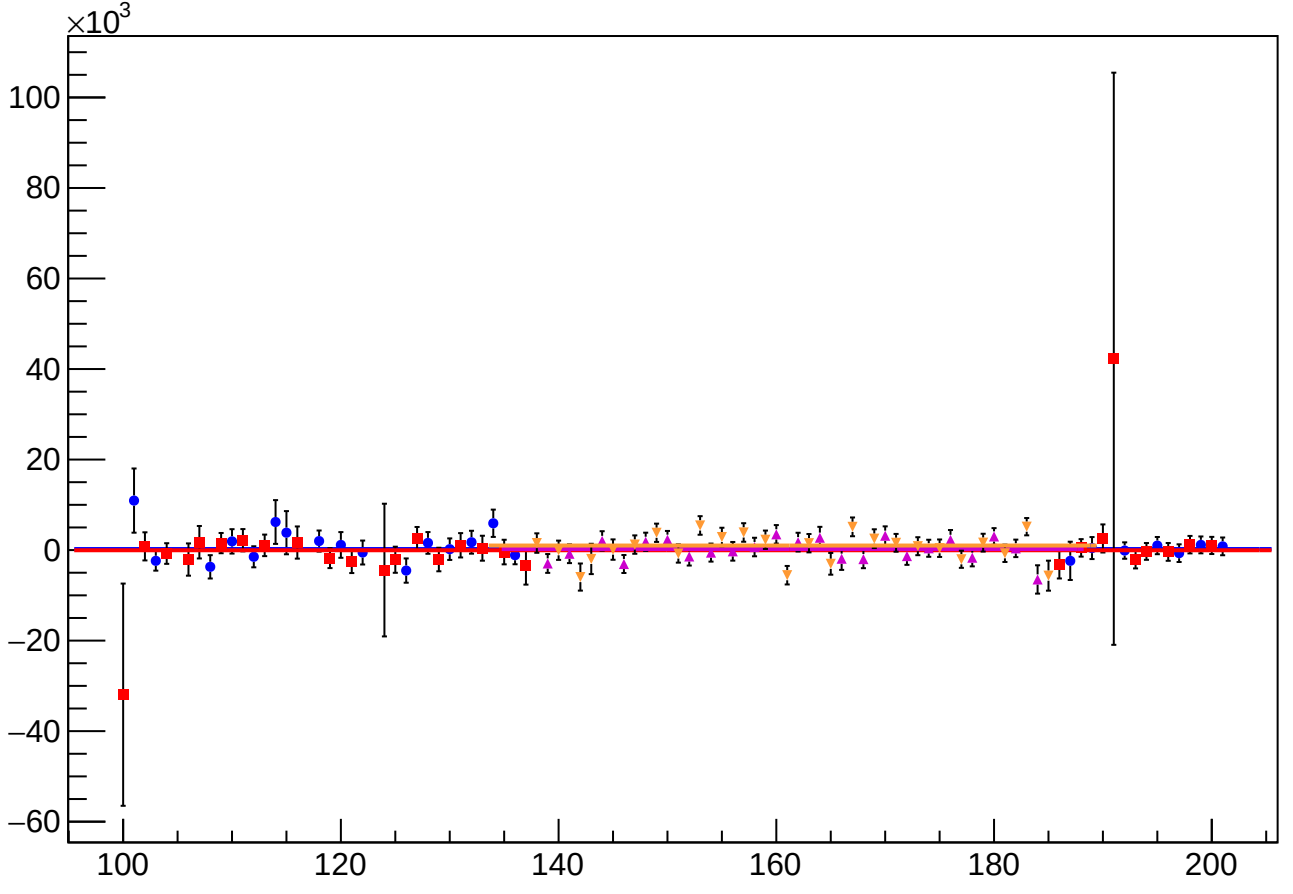
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 17909417.8/47

All: 0.000+/-0.000 χ^2/NDF: 32435022.2/98

- sign 0.000+/-0.000 χ^2/NDF: 13601827.8/50

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: -35.746+/-490.821 χ^2/NDF: 13.1/27

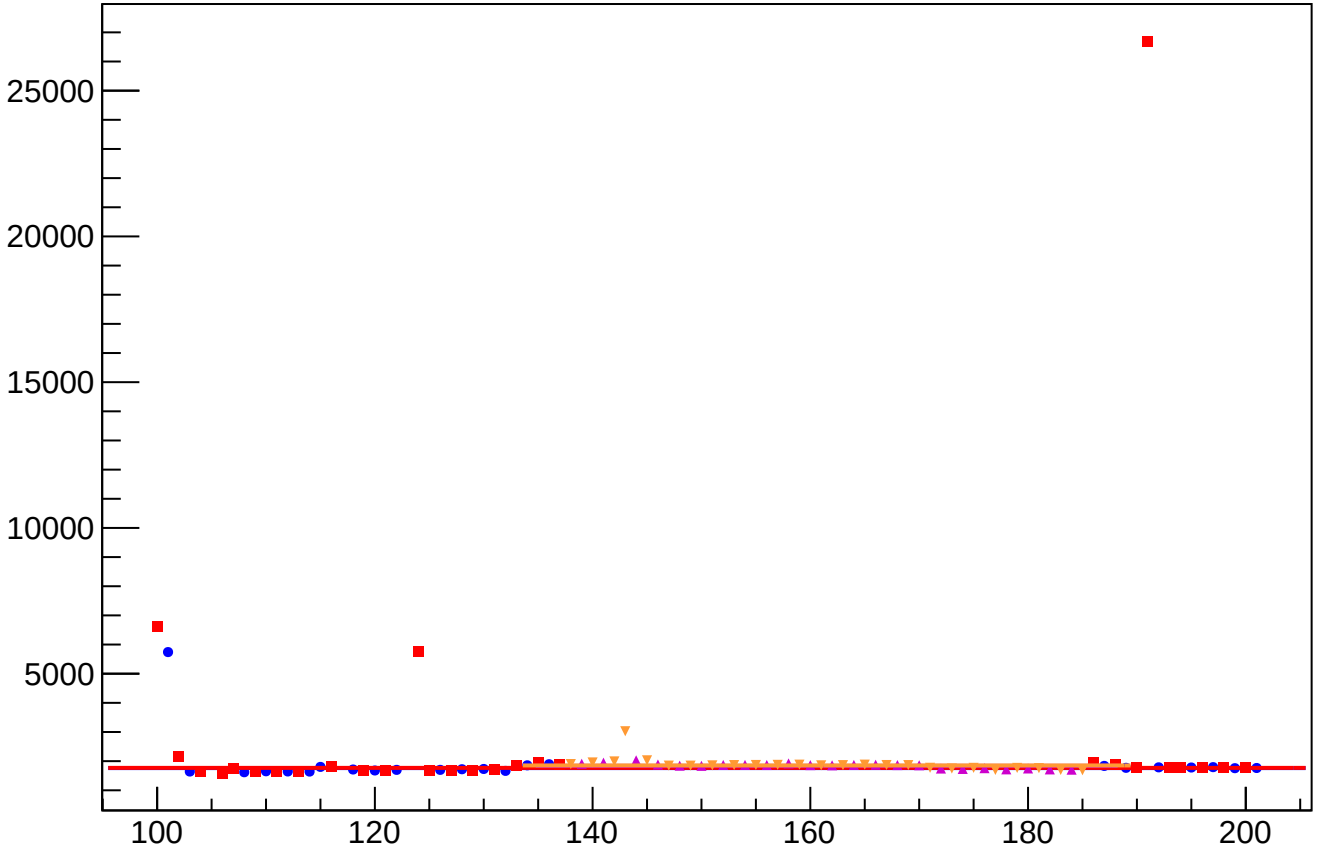
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 688.390+/-325.079 χ^2/NDF: 67.5/47

All: 399.781+/-229.236 χ^2/NDF: 108.7/98

- sign 114.311+/-323.306 χ^2/NDF: 39.6/50

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: 1769.122+/-0.346 χ^2/NDF: 637968.3/27

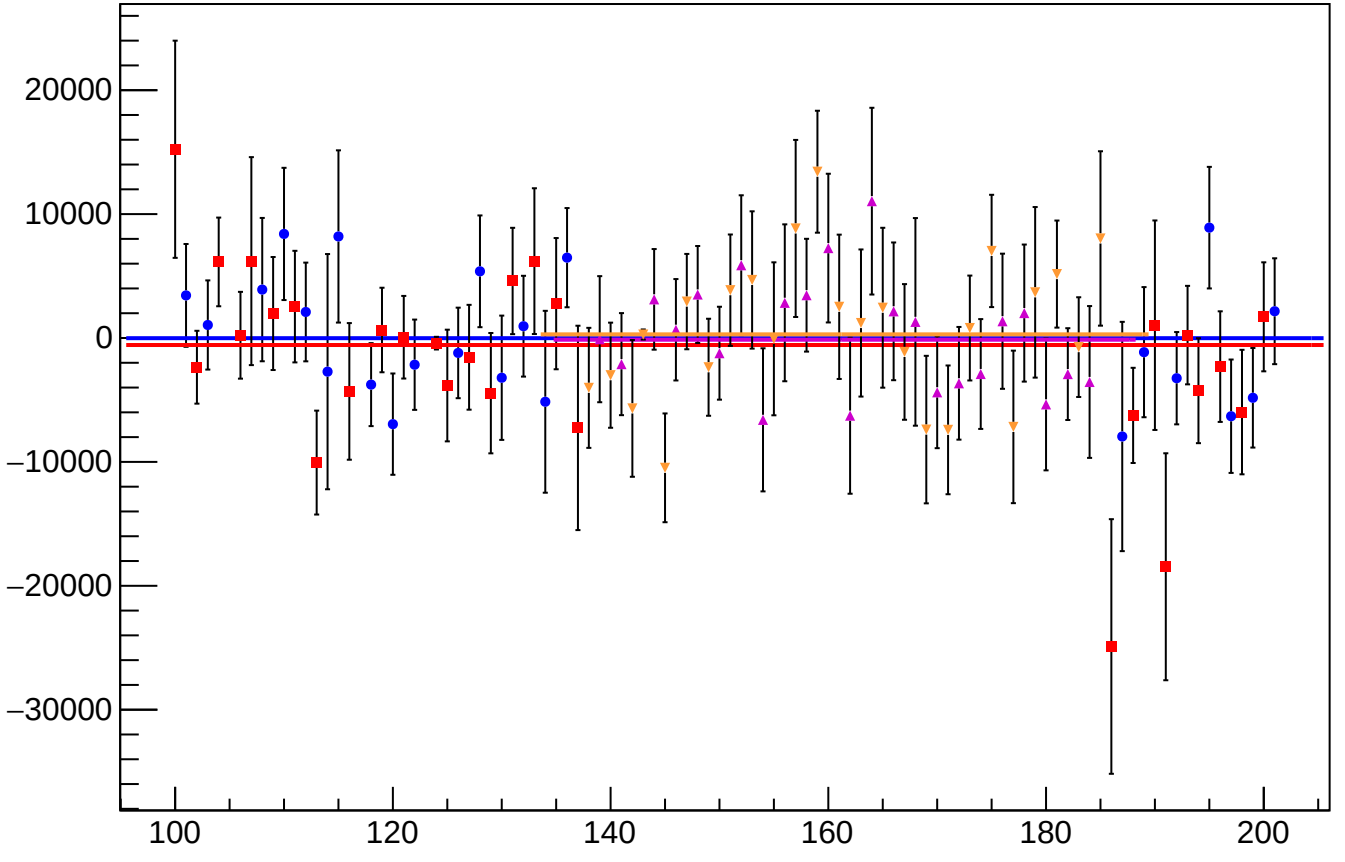
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1815.586+/-0.230 χ^2/NDF: 1030556.3/47

All: 1811.902+/-0.162 χ^2/NDF: 1760258.5/98

- sign 1808.272+/-0.228 χ^2/NDF: 729192.4/50

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: -565.842+/-441.424 χ^2/NDF: 33.5/27

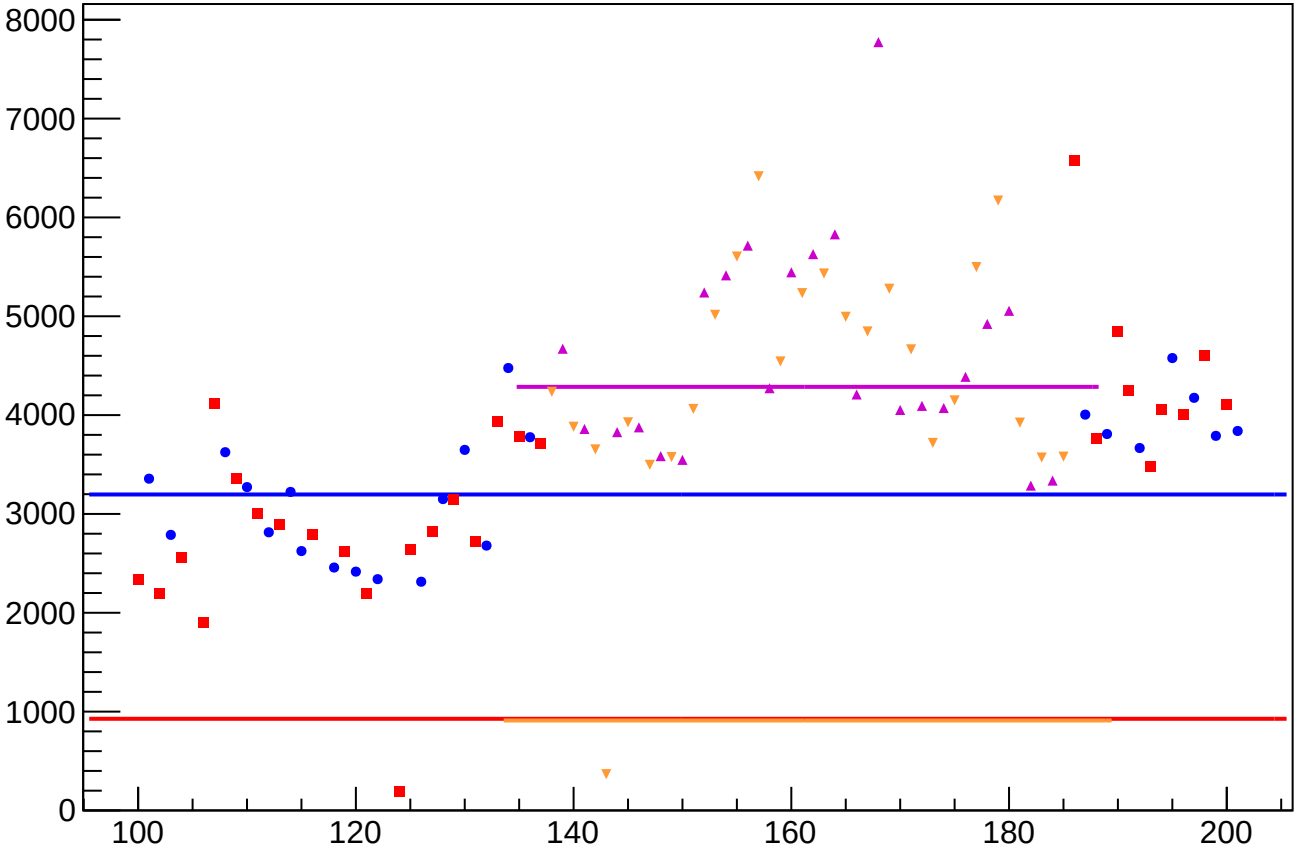
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

\+ sign 250.425+/-351.824 χ^2/NDF: 53.6/47

All: -71.506+/-265.686 χ^2/NDF: 103.2/98

\- sign -498.734+/-405.298 χ^2/NDF: 47.6/50

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: 927.483+/-0.312 χ^2/NDF: 18062974.9/27

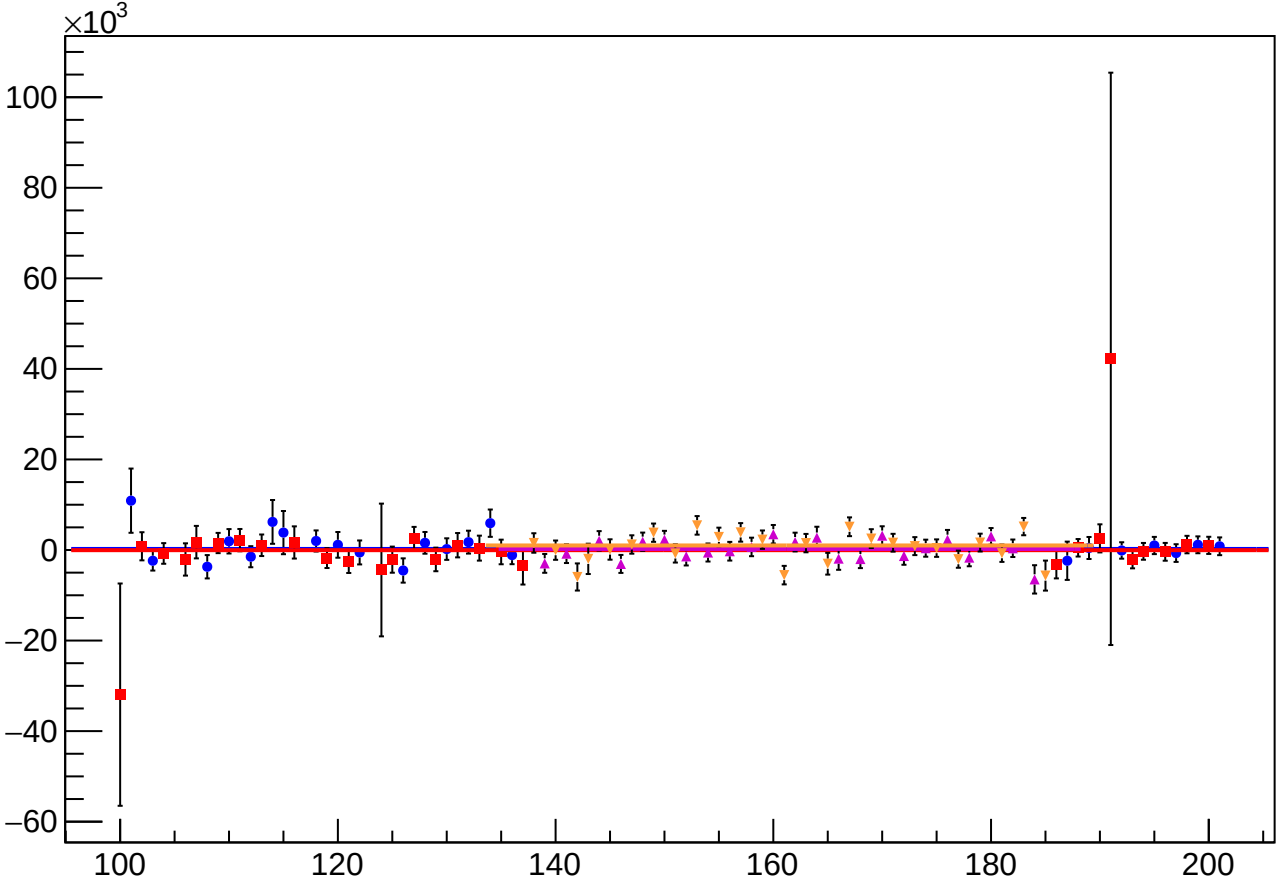
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1235.867+/-0.249 χ^2/NDF: 38129139.0/47

All: 1329.896+/-0.188 χ^2/NDF: 76025145.1/9

- sign 1454.680+/-0.287 χ^2/NDF: 37563565.9/50

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: -35.726+/-490.821 χ^2/NDF: 13.1/27

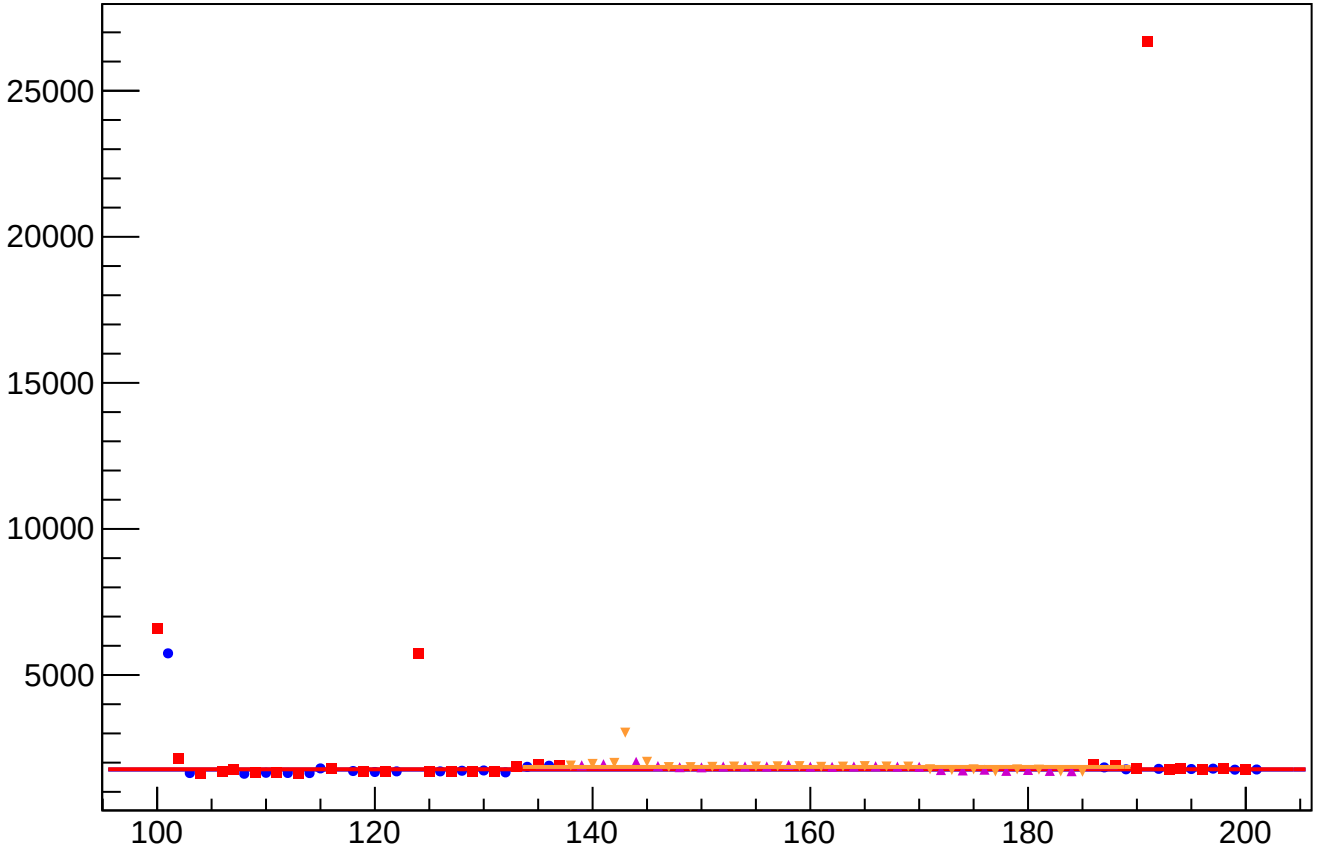
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 688.287+/-325.079 χ^2/NDF: 67.5/47

All: 399.710+/-229.236 χ^2/NDF: 108.7/98

- sign 114.272+/-323.306 χ^2/NDF: 39.6/50

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: 1773.016+/-0.346 χ^2/NDF: 629581.3/27

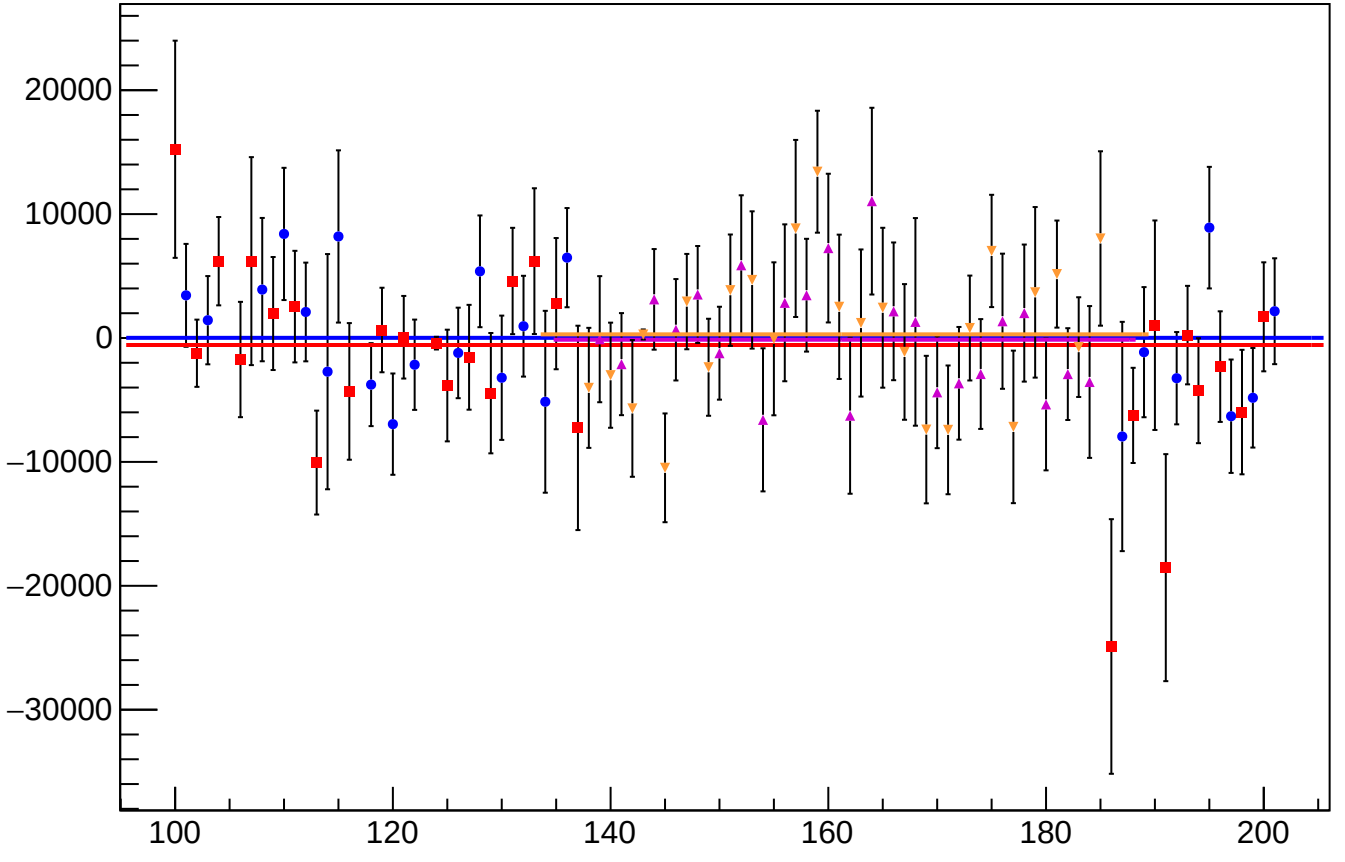
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1815.586+/-0.230 χ^2/NDF: 1030556.7/47

All: 1812.793+/-0.162 χ^2/NDF: 1749128.2/98

- sign 1810.035+/-0.228 χ^2/NDF: 718278.1/50

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: -564.646+/-442.242 χ^2/NDF: 33.3/27

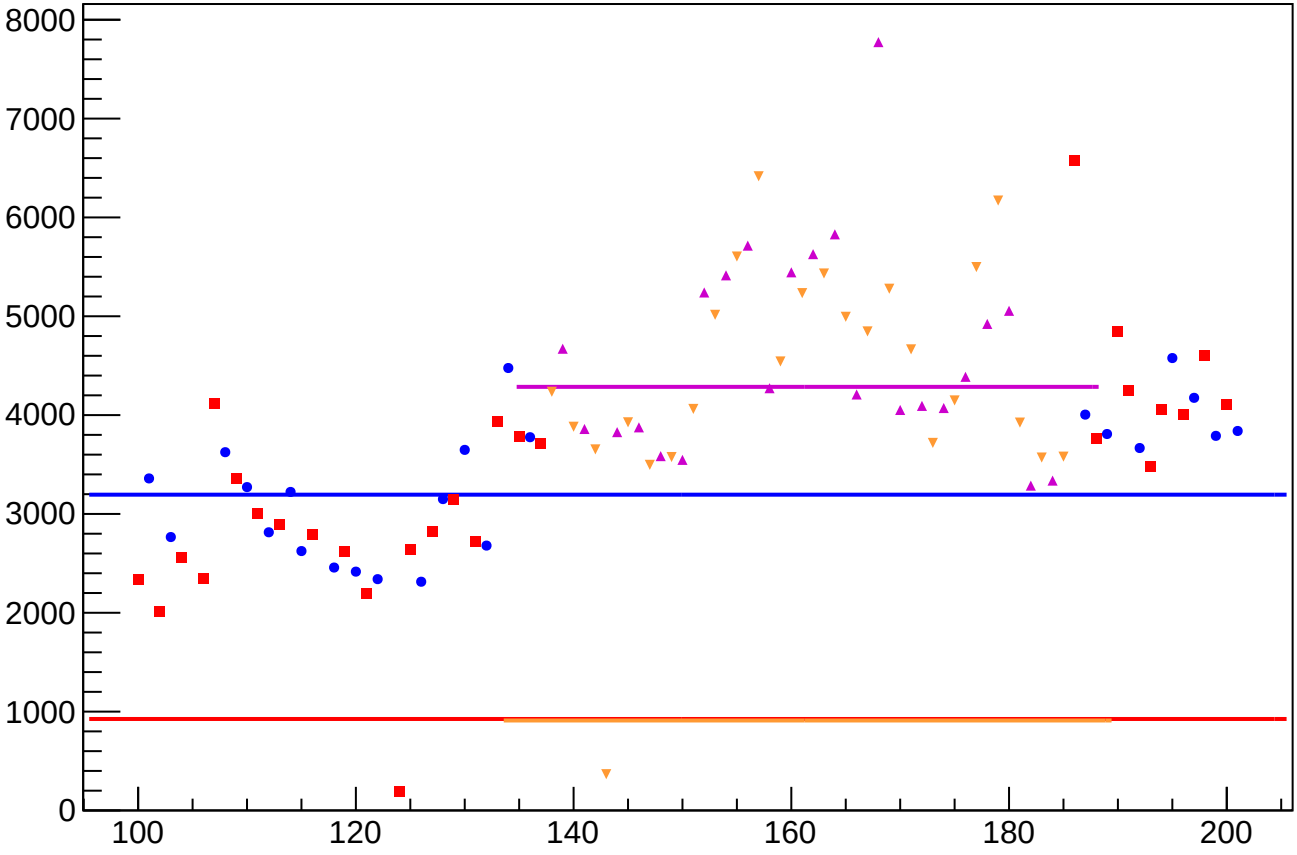
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 255.131+/-351.814 χ^2/NDF: 53.7/47

All: -67.707+/-265.860 χ^2/NDF: 103.1/98

- sign -497.504+/-405.931 χ^2/NDF: 47.4/50

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: 925.526+/-0.313 χ^2/NDF: 18031681.1/27

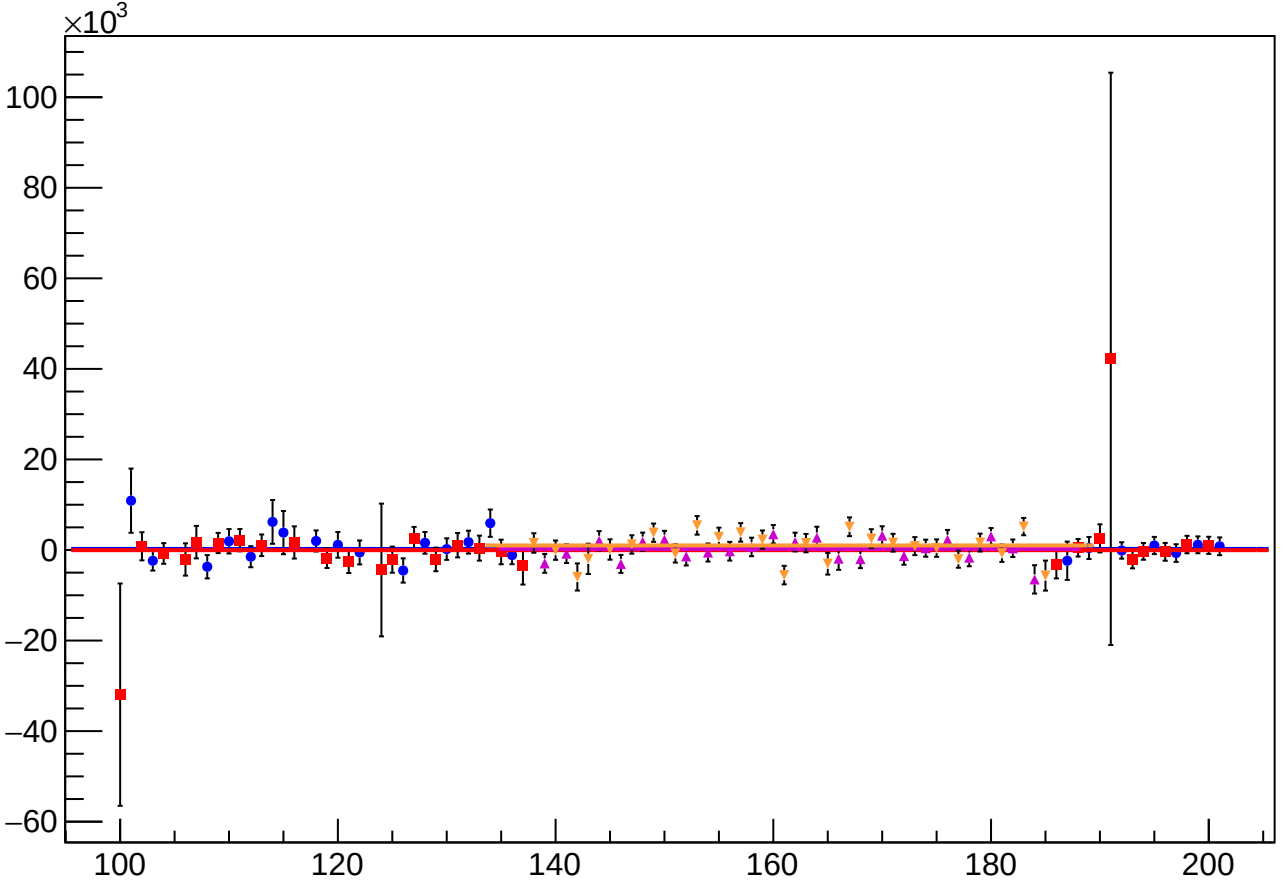
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1236.108+/-0.249 χ^2/NDF: 38124392.0/47

All: 1329.863+/-0.188 χ^2/NDF: 75998353.9/9

- sign 1454.680+/-0.287 χ^2/NDF: 37542834.3/50

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: -35.726+/-490.821 χ^2/NDF: 13.1/27

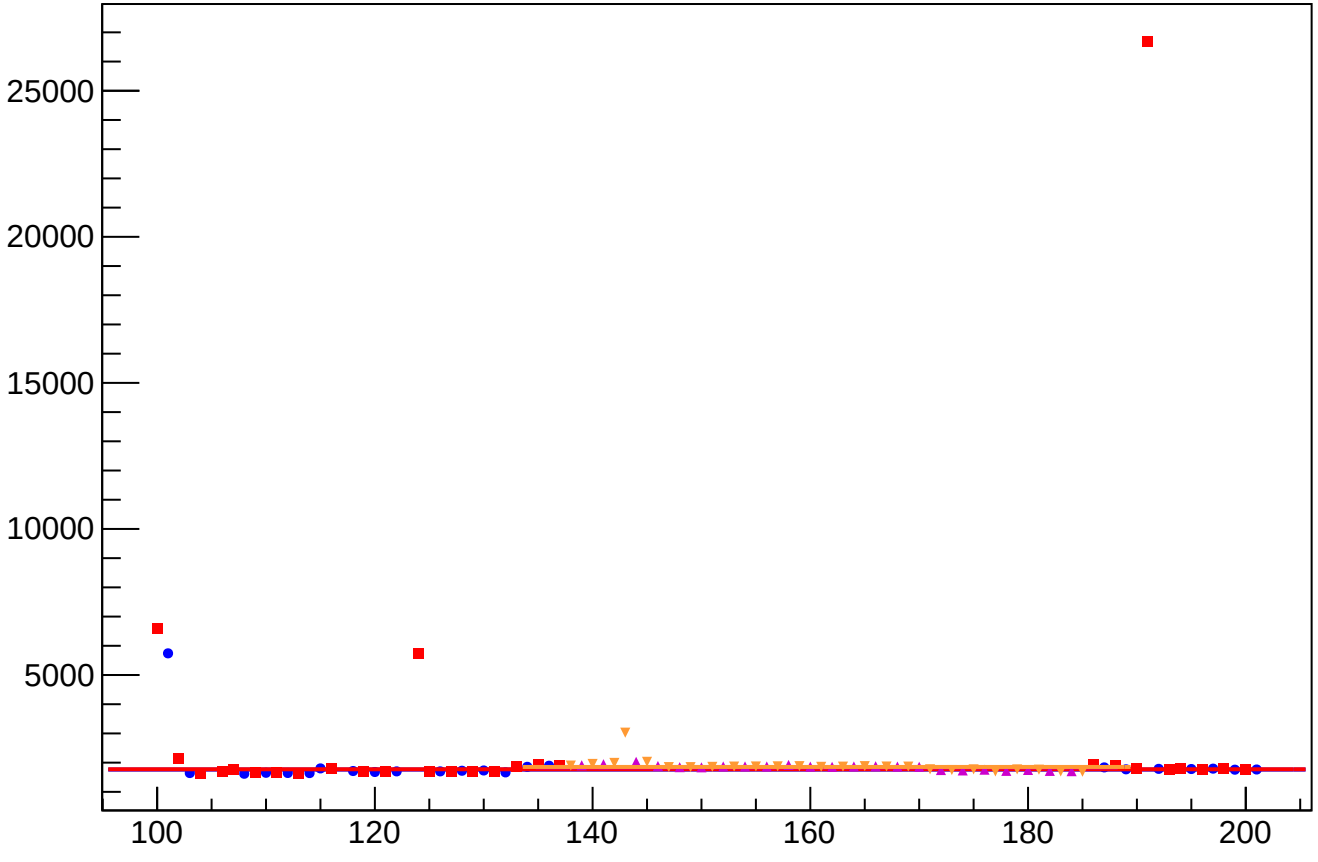
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 688.287+/-325.079 χ^2/NDF: 67.5/47

All: 399.710+/-229.236 χ^2/NDF: 108.7/98

- sign 114.272+/-323.306 χ^2/NDF: 39.6/50

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

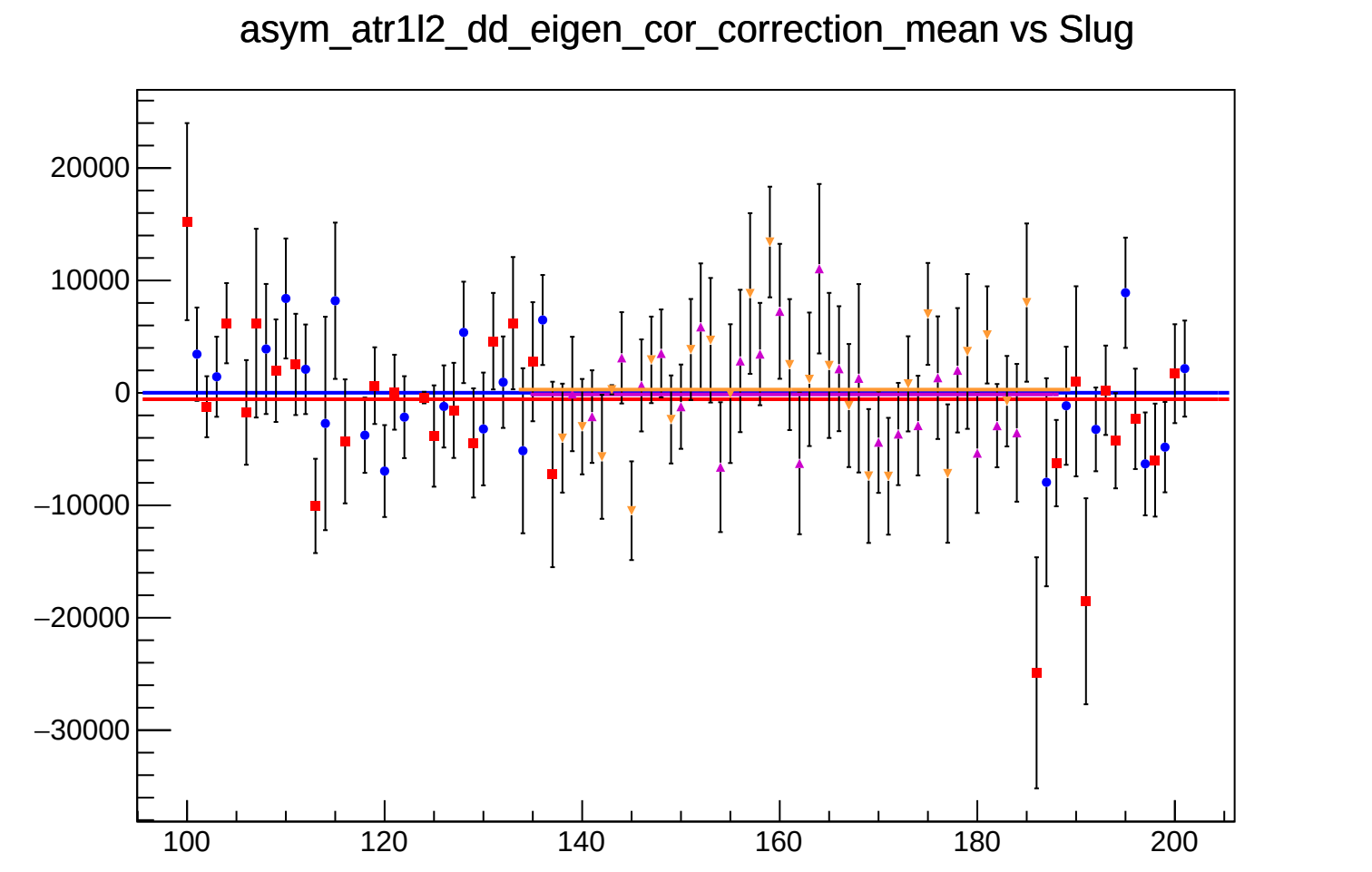
Right Out: 1773.016+/-0.346 χ^2/NDF: 629581.3/27

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1815.586+/-0.230 χ^2/NDF: 1030556.7/47

All: 1812.793+/-0.162 χ^2/NDF: 1749128.2/98

- sign 1810.035+/-0.228 χ^2/NDF: 718278.1/50



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: -564.646+/-442.242 χ^2/NDF: 33.3/27

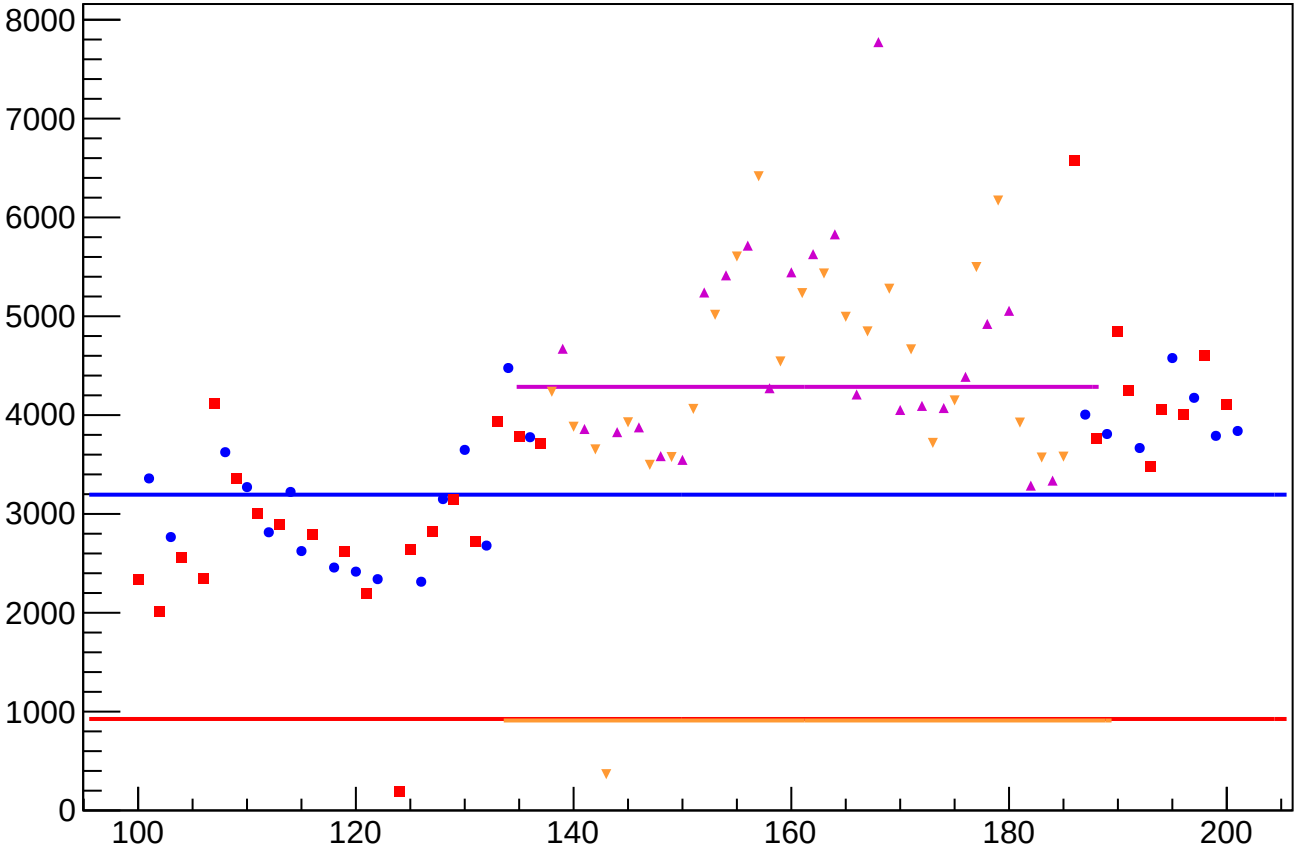
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 255.131+/-351.814 χ^2/NDF: 53.7/47

All: -67.707+/-265.860 χ^2/NDF: 103.1/98

- sign -497.504+/-405.931 χ^2/NDF: 47.4/50

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: 925.526+/-0.313 χ^2/NDF: 18031681.1/27

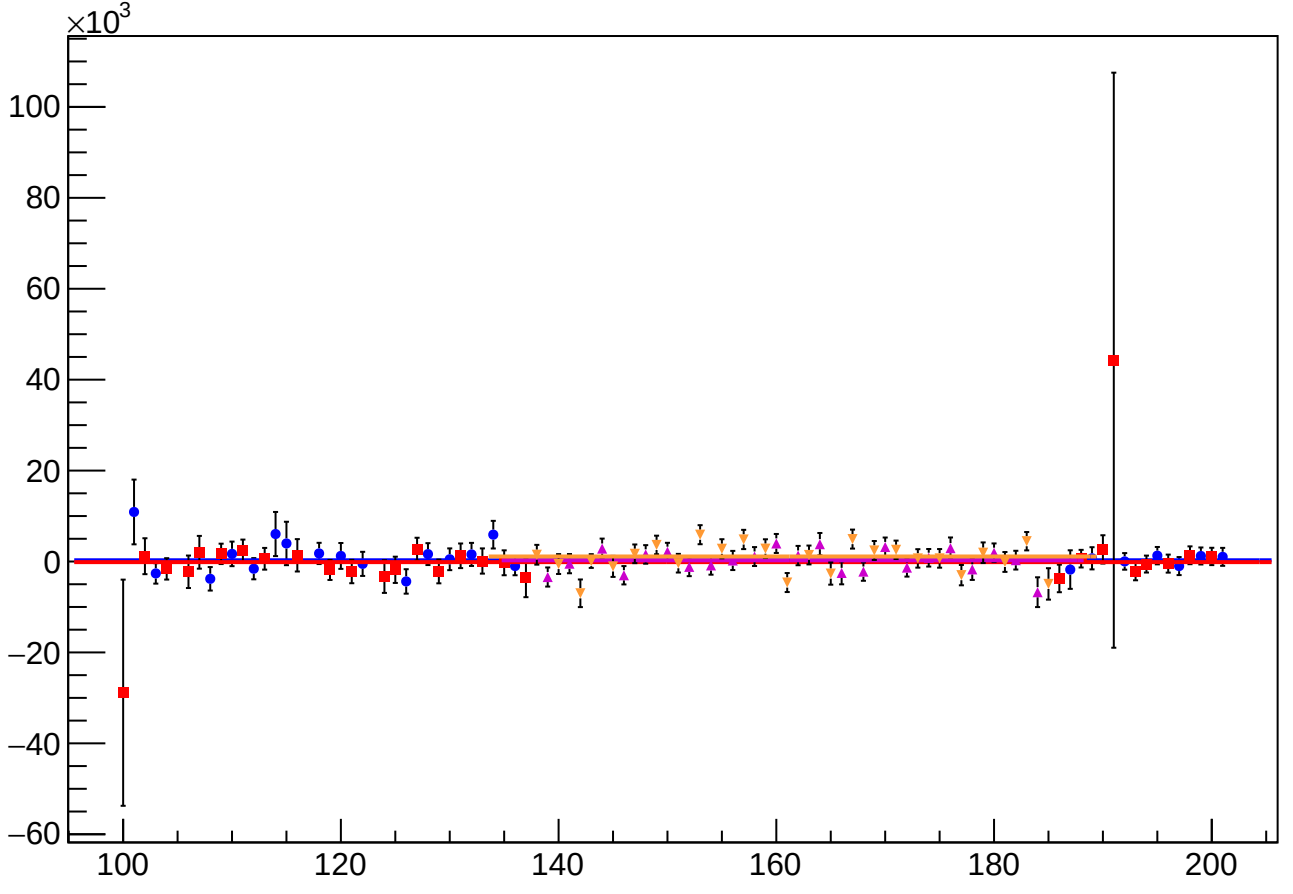
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1236.108+/-0.249 χ^2/NDF: 38124392.0/47

All: 1329.863+/-0.188 χ^2/NDF: 75998353.9/9

- sign 1454.680+/-0.287 χ^2/NDF: 37542834.3/50

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: -135.213+/-491.845 χ^2/NDF: 14.6/27

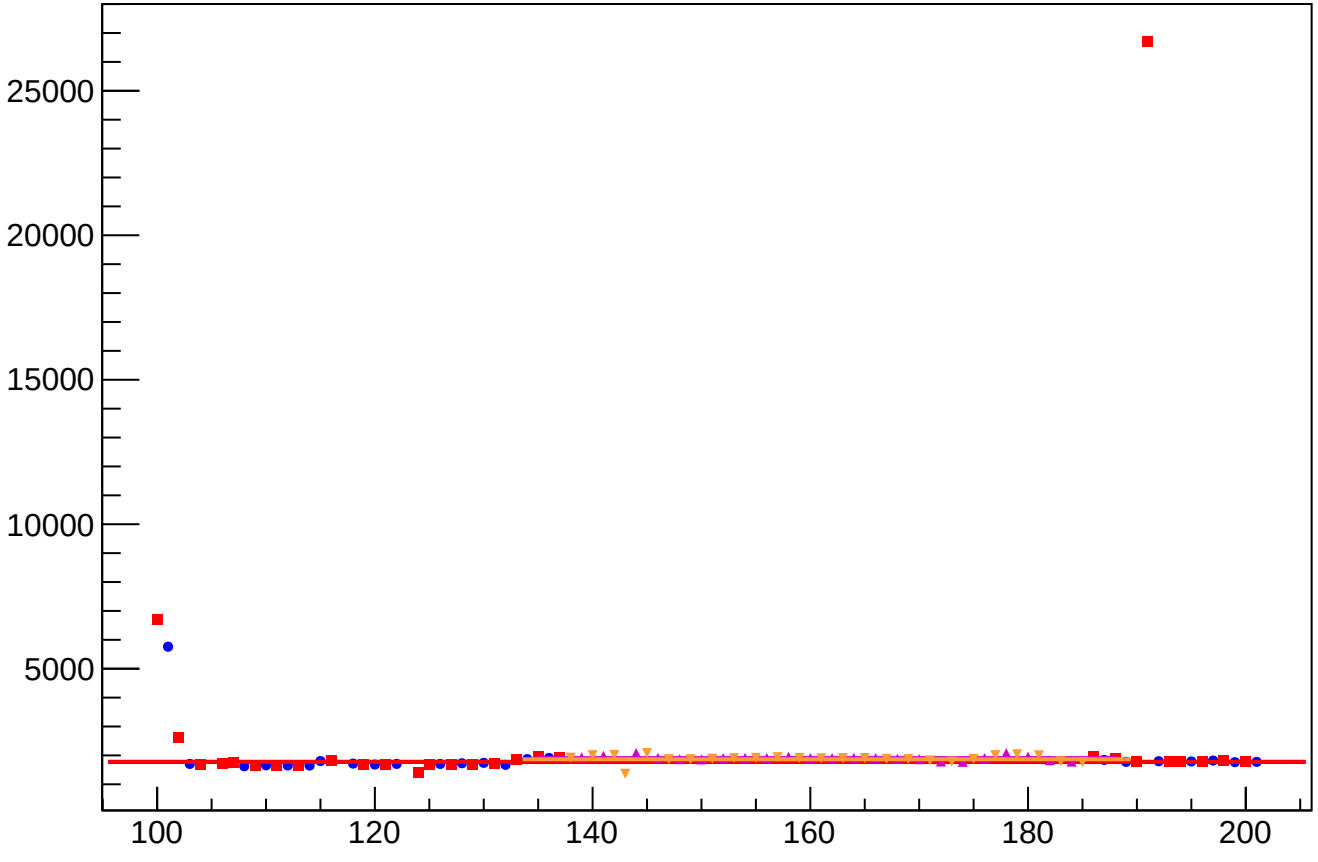
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 763.601+/-327.231 χ^2/NDF: 65.0/47

All: 427.035+/-232.405 χ^2/NDF: 109.8/98

- sign 84.484+/-330.128 χ^2/NDF: 42.7/50

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: 1777.033+/-0.347 χ^2/NDF: 561615.8/27

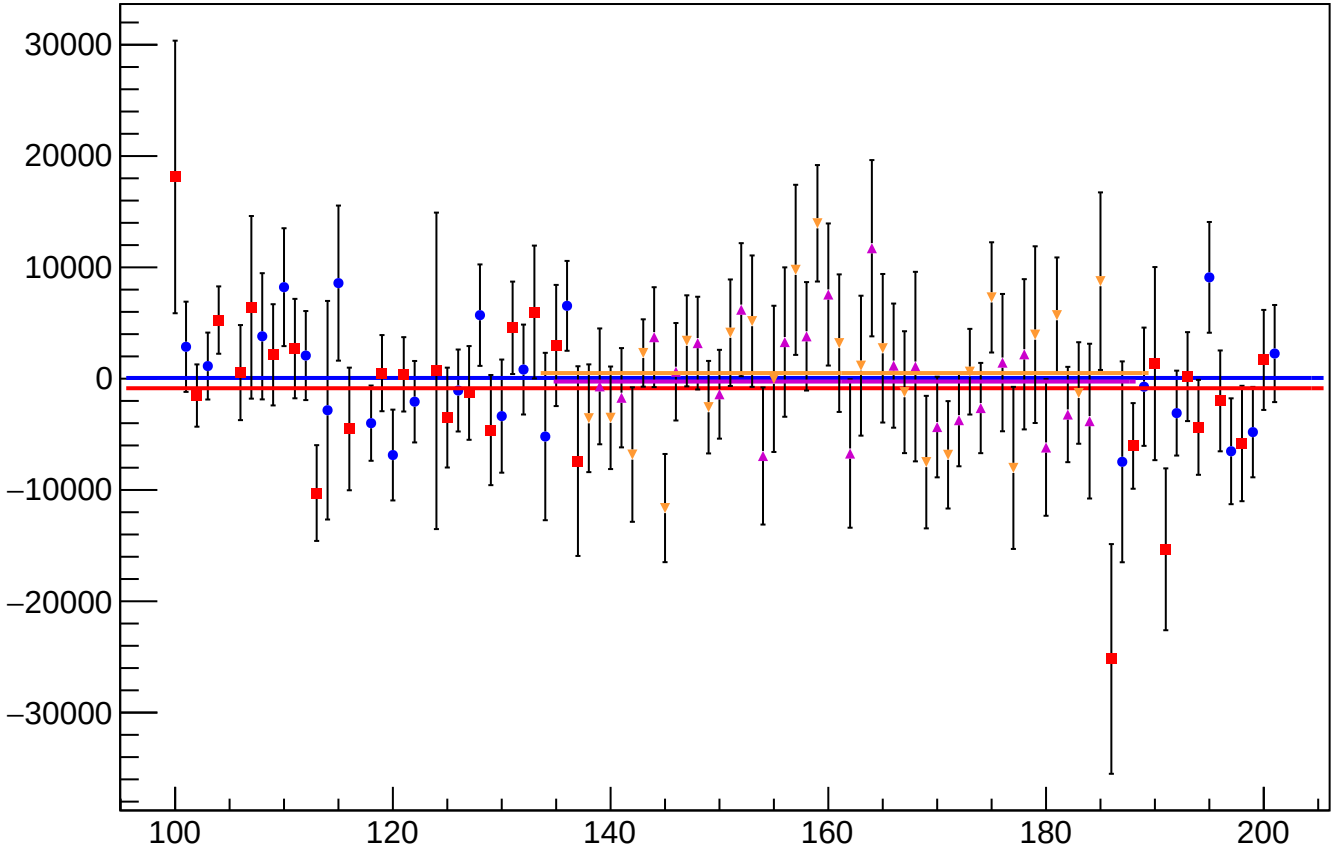
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1827.804+/-0.231 χ^2/NDF: 1002465.9/47

All: 1837.617+/-0.164 χ^2/NDF: 1695747.9/98

- sign 1847.590+/-0.233 χ^2/NDF: 689655.5/50

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: -859.684+/-869.903 χ^2/NDF: 32.5/27

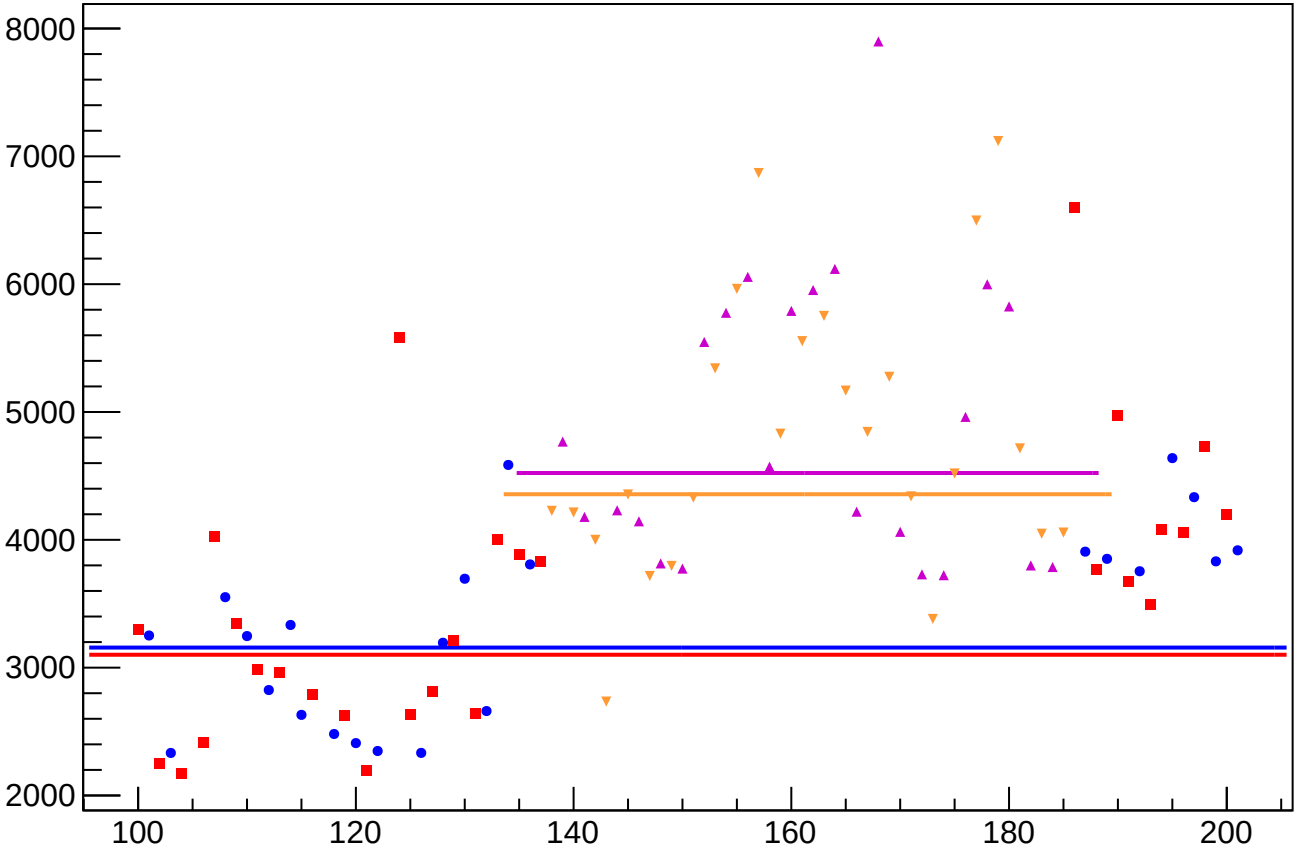
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 262.125+/-685.635 χ^2/NDF: 53.6/47

All: -186.271+/-482.029 χ^2/NDF: 100.7/98

- sign -624.499+/-677.816 χ^2/NDF: 46.3/50

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

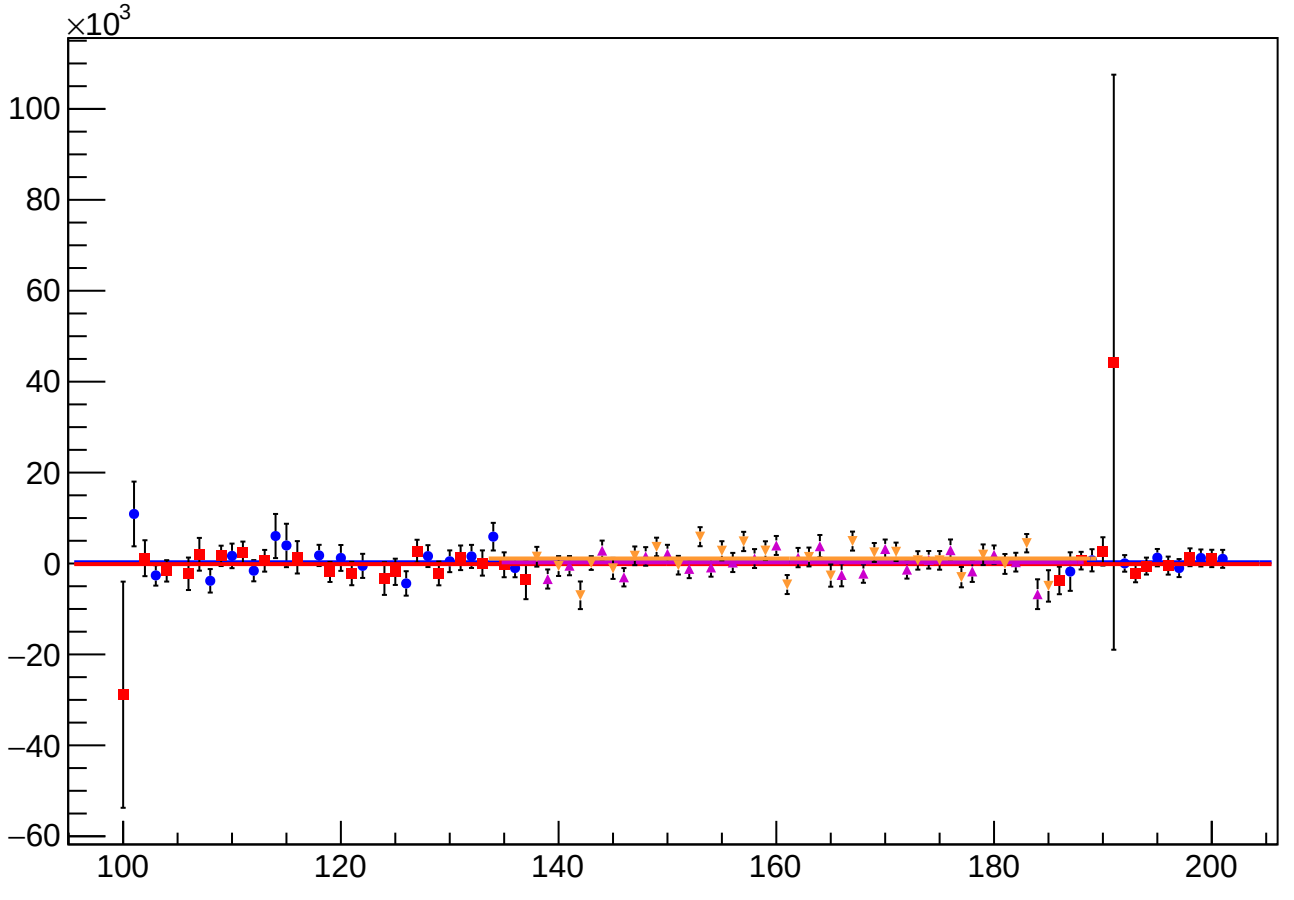
Right Out: 3100.938+/-0.615 χ^2/NDF: 1799405.1/27

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3697.343+/-0.485 χ^2/NDF: 4649939.9/47

All: 3678.225+/-0.341 χ^2/NDF: 9985582.4/98

- sign 3659.540+/-0.479 χ^2/NDF: 5332567.7/50



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: -135.210+/-491.845 χ^2/NDF: 14.6/27

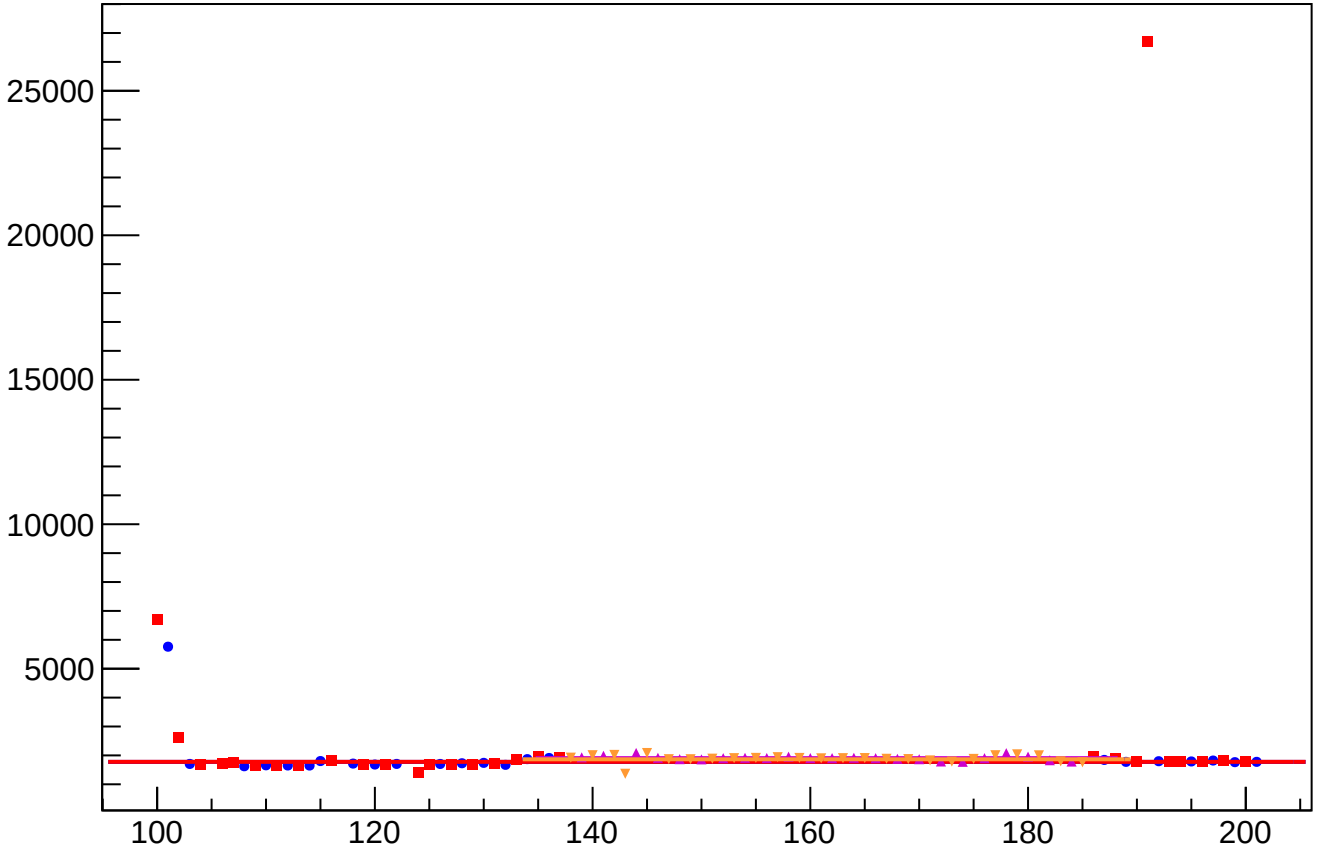
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 763.603+/-327.231 χ^2/NDF: 65.0/47

All: 427.037+/-232.405 χ^2/NDF: 109.8/98

- sign 84.485+/-330.128 χ^2/NDF: 42.7/50

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

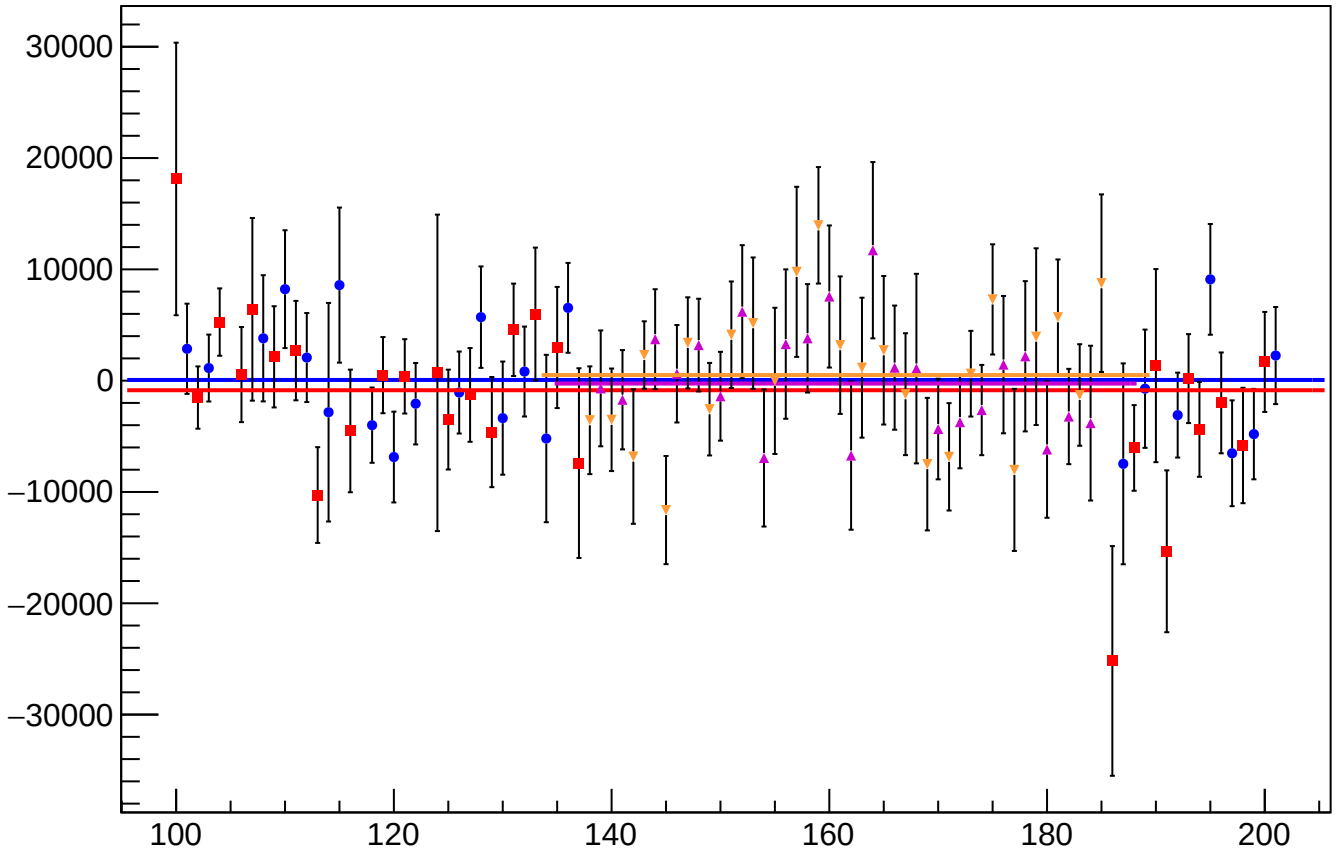
Right Out: 1777.033+/-0.347 χ^2/NDF: 561615.8/27

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1827.805+/-0.231 χ^2/NDF: 1002470.1/47

All: 1837.618+/-0.164 χ^2/NDF: 1695755.5/98

- sign 1847.591+/-0.233 χ^2/NDF: 689659.0/50



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: -859.680+/-869.902 χ^2/NDF: 32.5/27

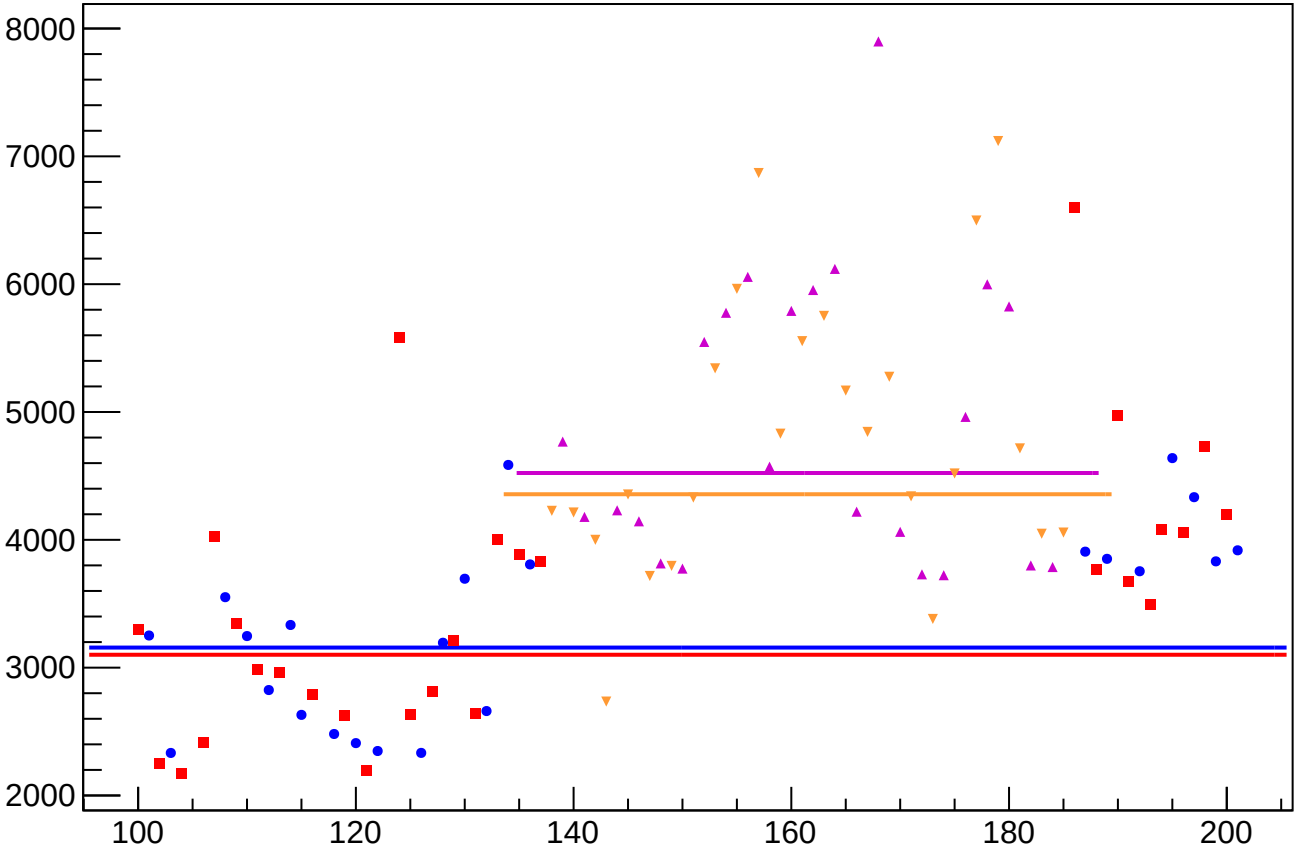
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 262.124+/-685.635 χ^2/NDF: 53.6/47

All: -186.271+/-482.029 χ^2/NDF: 100.7/98

- sign -624.498+/-677.816 χ^2/NDF: 46.3/50

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



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: 3100.934+/-0.615 χ^2/NDF: 1799413.6/27

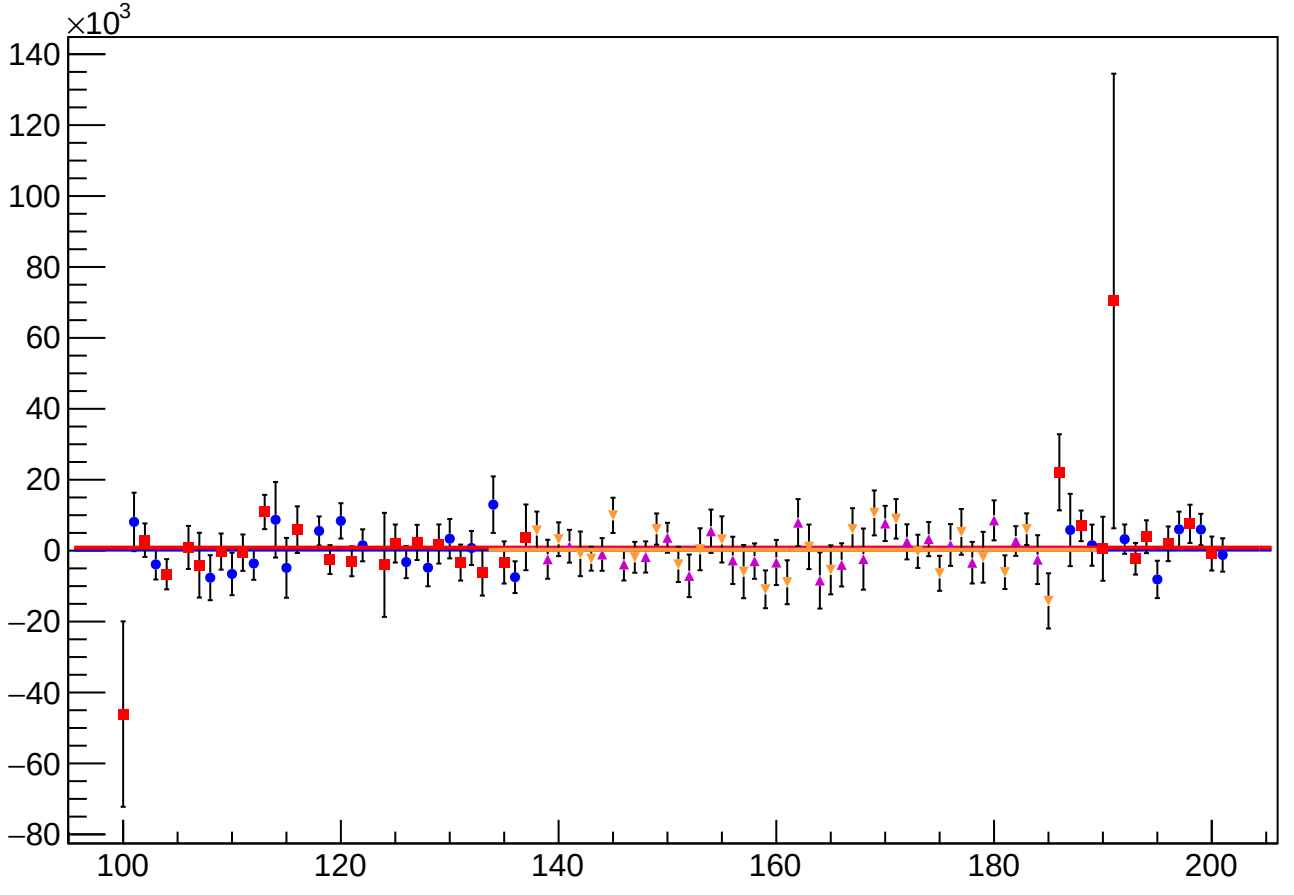
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3697.340+/-0.485 χ^2/NDF: 4649994.2/47

All: 3678.223+/-0.341 χ^2/NDF: 9985679.3/98

- sign 3659.539+/-0.479 χ^2/NDF: 5332610.4/50

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: 855.332+/-1050.784 χ^2/NDF: 25.9/27

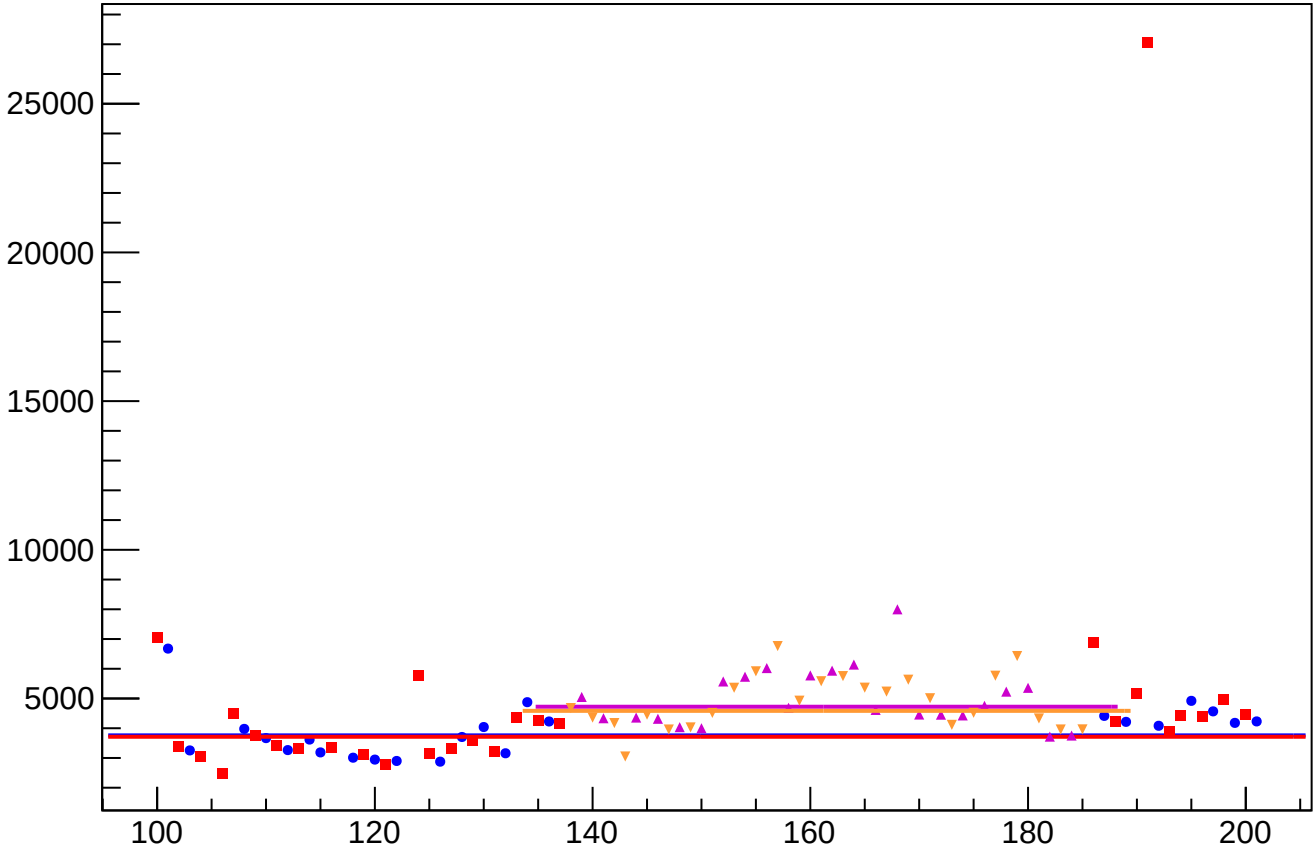
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 267.524+/-762.579 χ^2/NDF: 56.8/47

All: 453.467+/-540.691 χ^2/NDF: 97.1/98

- sign 641.447+/-766.742 χ^2/NDF: 40.2/50

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

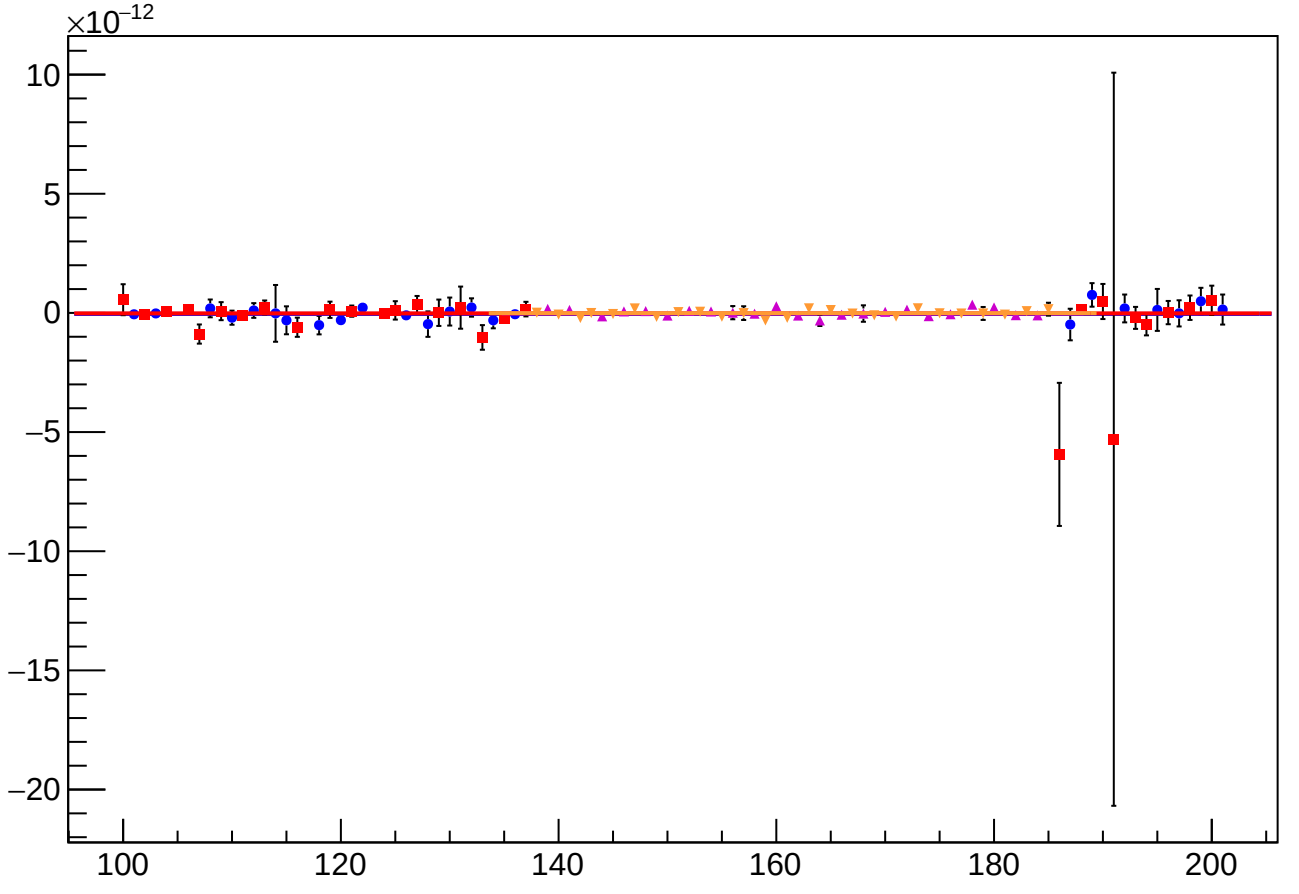
Right Out: 3713.824+/-0.736 χ^2/NDF: 1312984.3/27

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4183.040+/-0.539 χ^2/NDF: 2796978.2/47

All: 4181.958+/-0.381 χ^2/NDF: 5996850.3/98

- sign 4180.875+/-0.539 χ^2/NDF: 3199864.0/50



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: 25.8/27

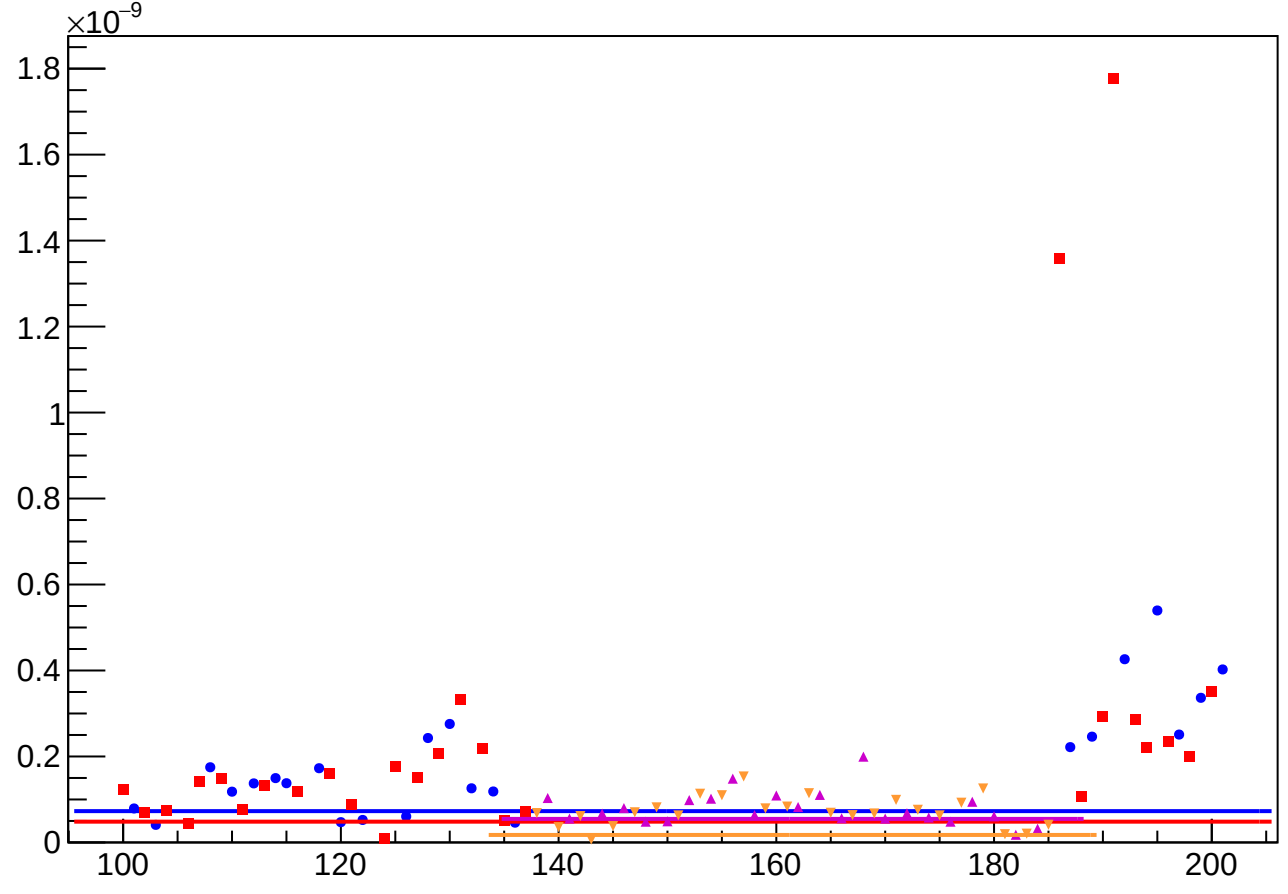
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.2/47

All: -0.000+/-0.000 χ^2/NDF: 88.2/98

- sign -0.000+/-0.000 χ^2/NDF: 51.9/50

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: 5824932.3/27

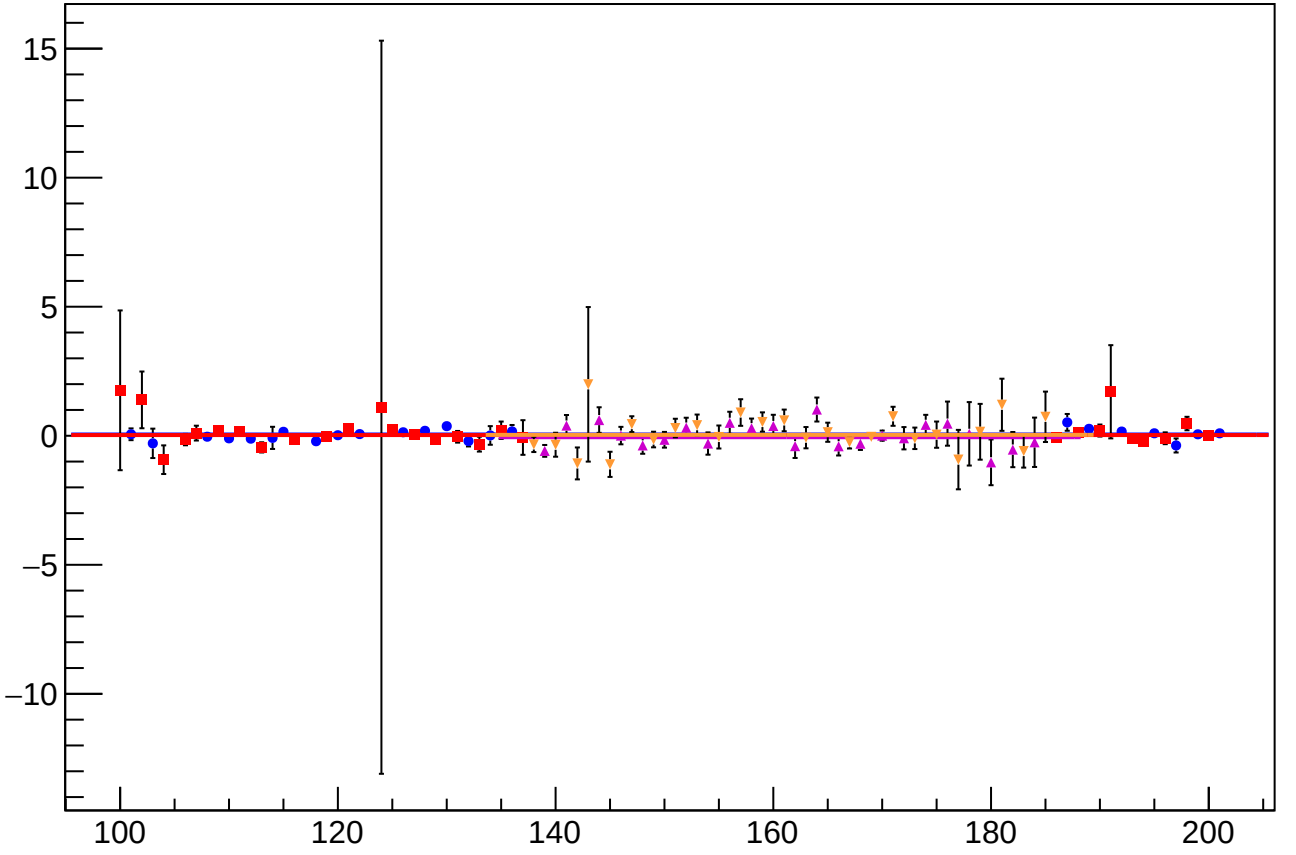
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 16256120.5/47

All: 0.000+/-0.000 χ^2/NDF: 28901741.2/98

- sign 0.000+/-0.000 χ^2/NDF: 8670122.2/50

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: 0.027+/-0.035 χ^2/NDF: 31.3/27

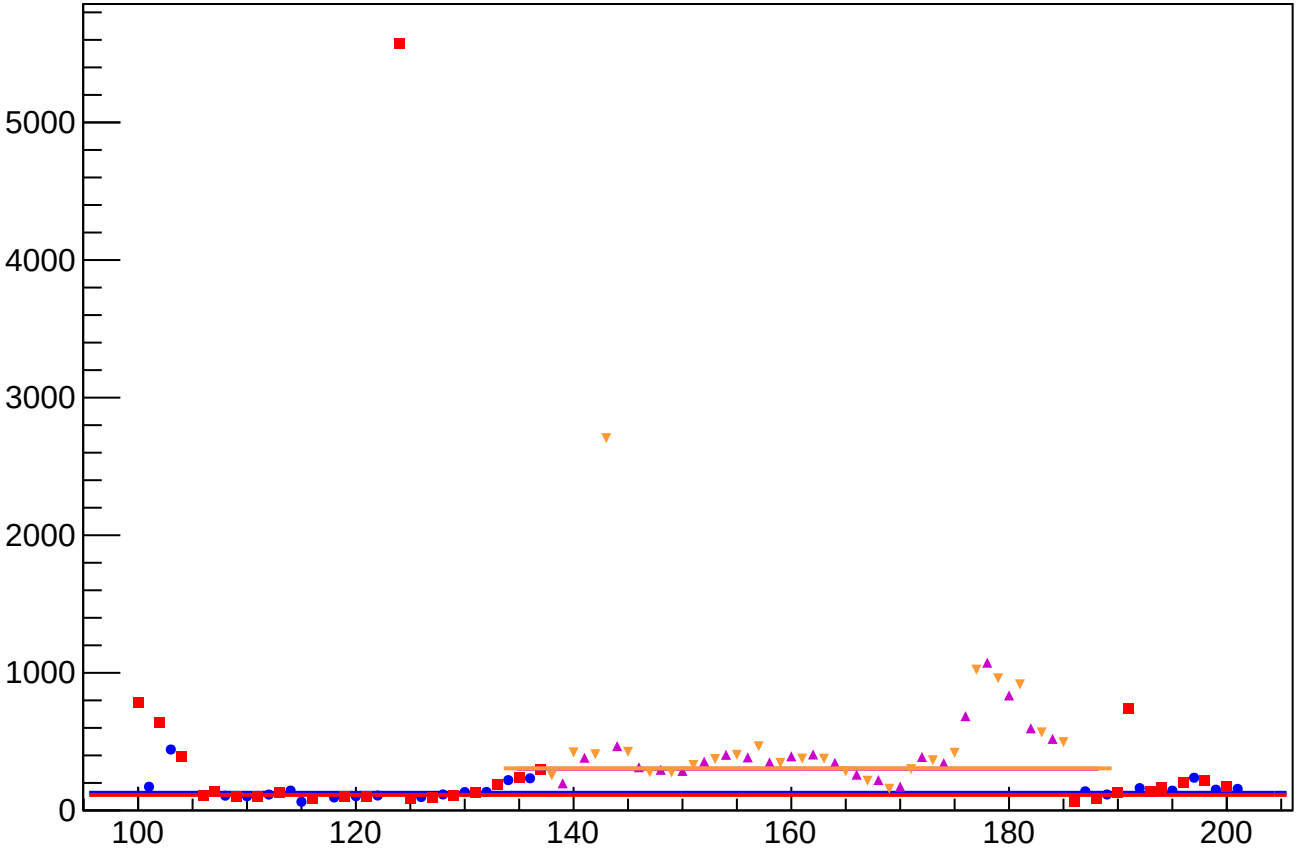
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.045+/-0.035 χ^2/NDF: 49.7/47

All: 0.027+/-0.024 χ^2/NDF: 108.5/98

- sign 0.013+/-0.032 χ^2/NDF: 58.3/50

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: 113.111+/-0.025 χ^2/NDF: 4140750.5/27

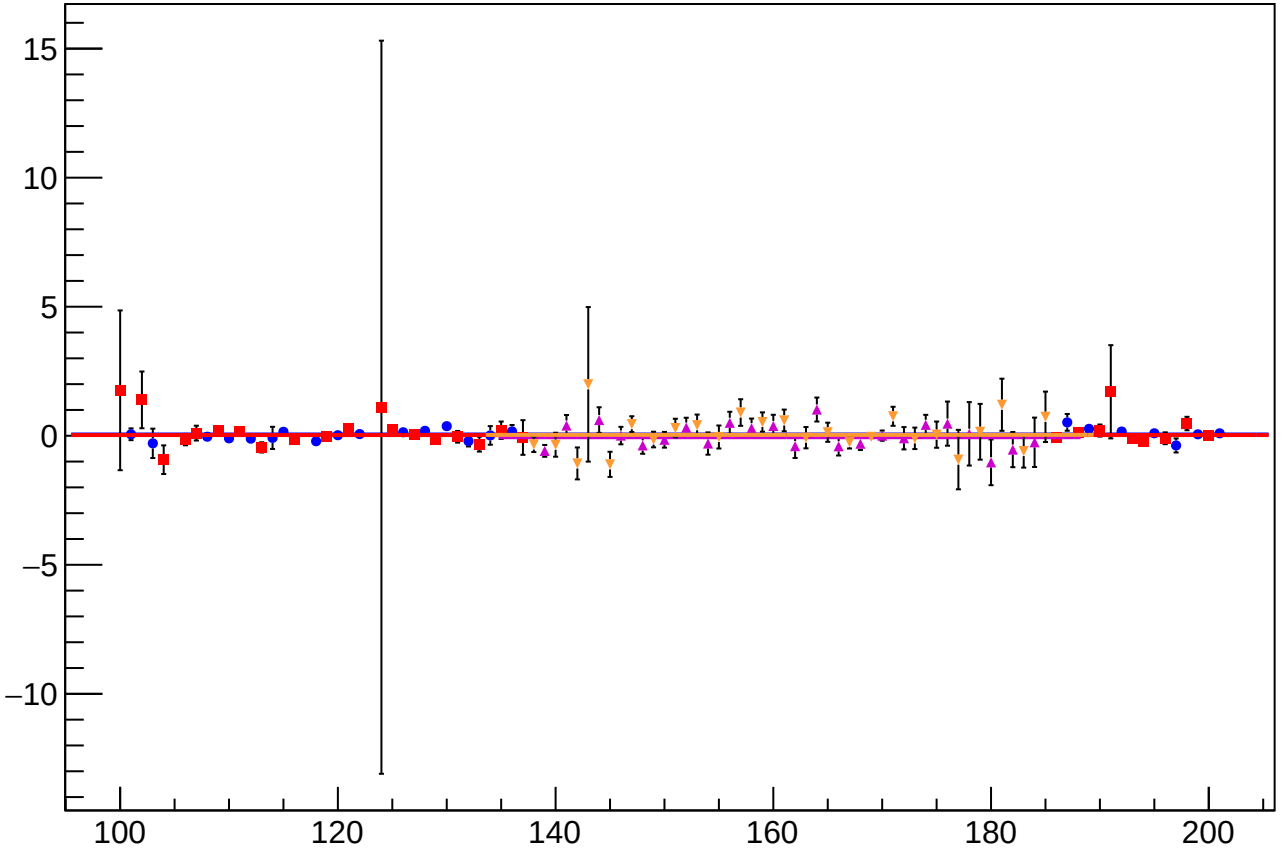
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 164.739+/-0.025 χ^2/NDF: 17240300.4/47

All: 154.274+/-0.017 χ^2/NDF: 36544352.1/98

- sign 145.680+/-0.023 χ^2/NDF: 18983965.1/50

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: 0.027+/-0.035 χ^2/NDF: 31.3/27

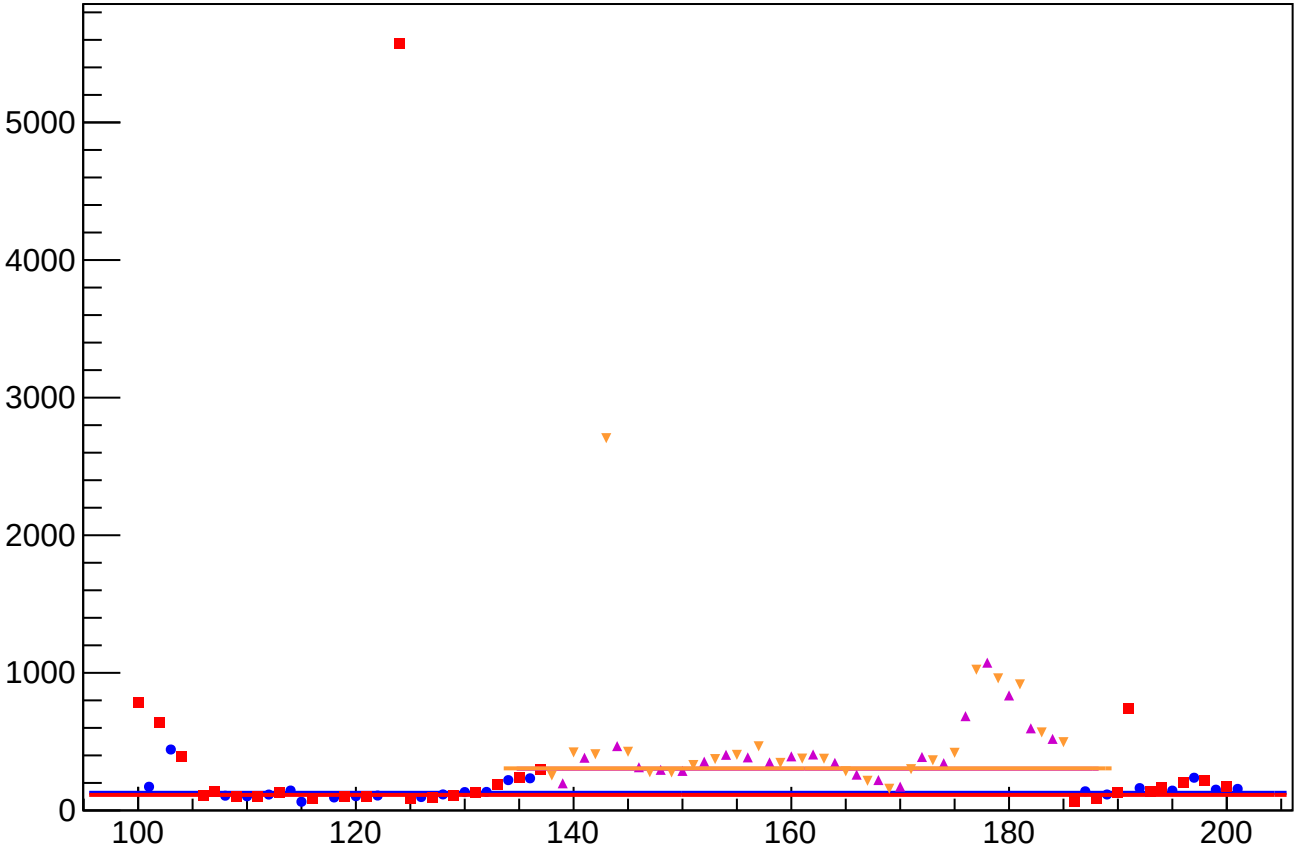
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.045+/-0.035 χ^2/NDF: 49.7/47

All: 0.027+/-0.024 χ^2/NDF: 108.5/98

- sign 0.013+/-0.032 χ^2/NDF: 58.3/50

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

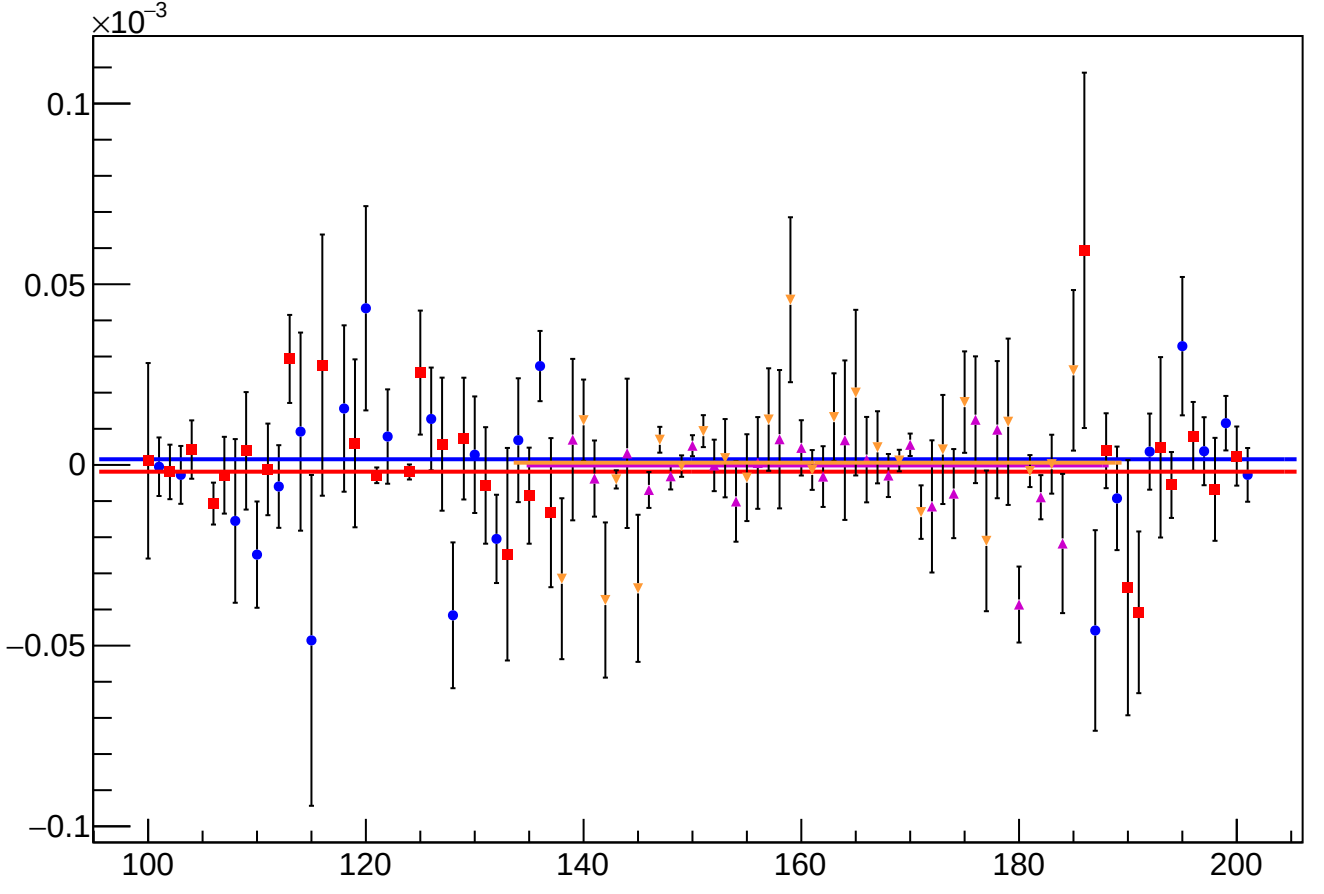
Right Out: 113.111+/-0.025 χ^2/NDF: 4140750.5/27

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 164.739+/-0.025 χ^2/NDF: 17240300.4/47

All: 154.274+/-0.017 χ^2/NDF: 36544352.1/98

- sign 145.680+/-0.023 χ^2/NDF: 18983965.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

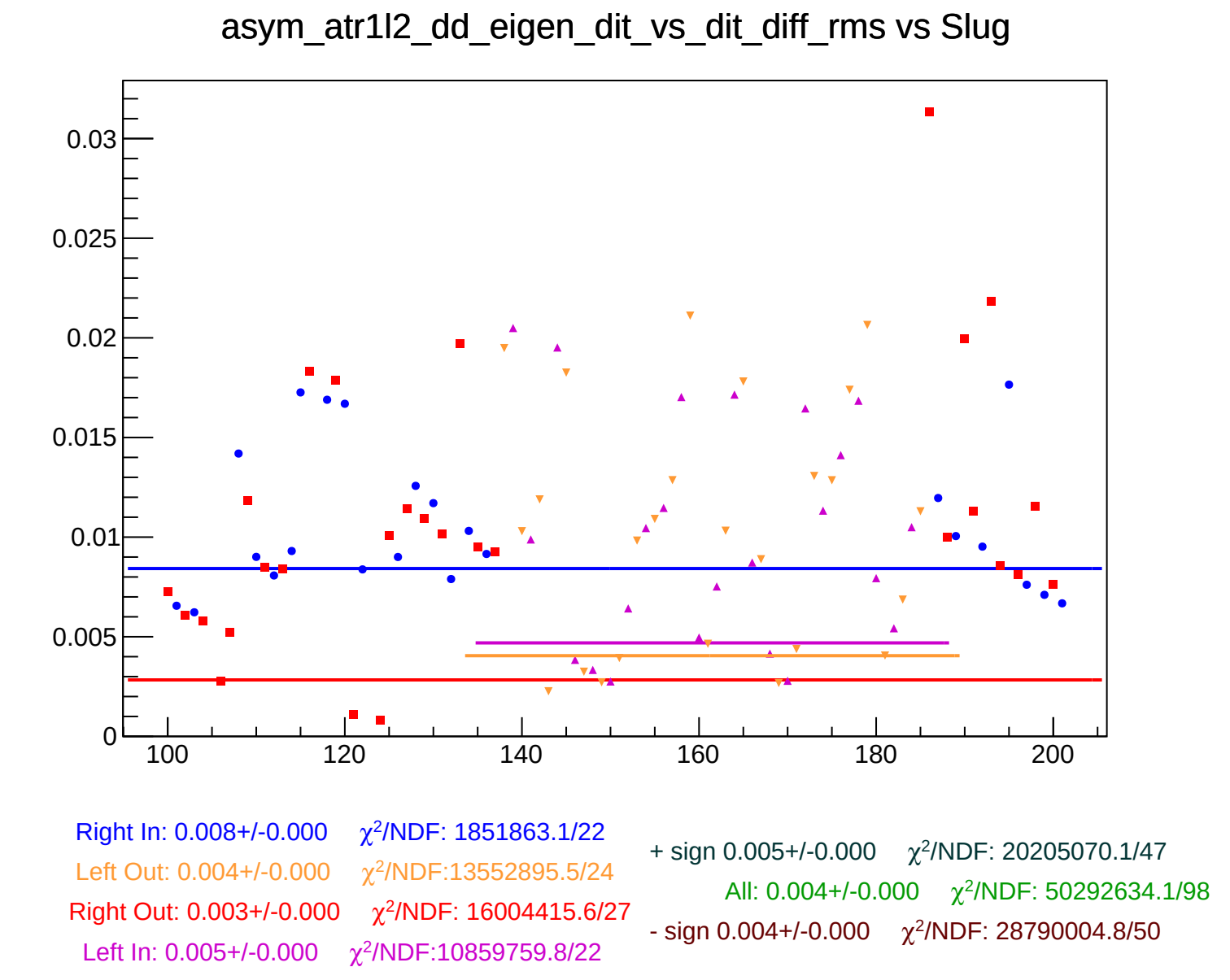
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/27

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

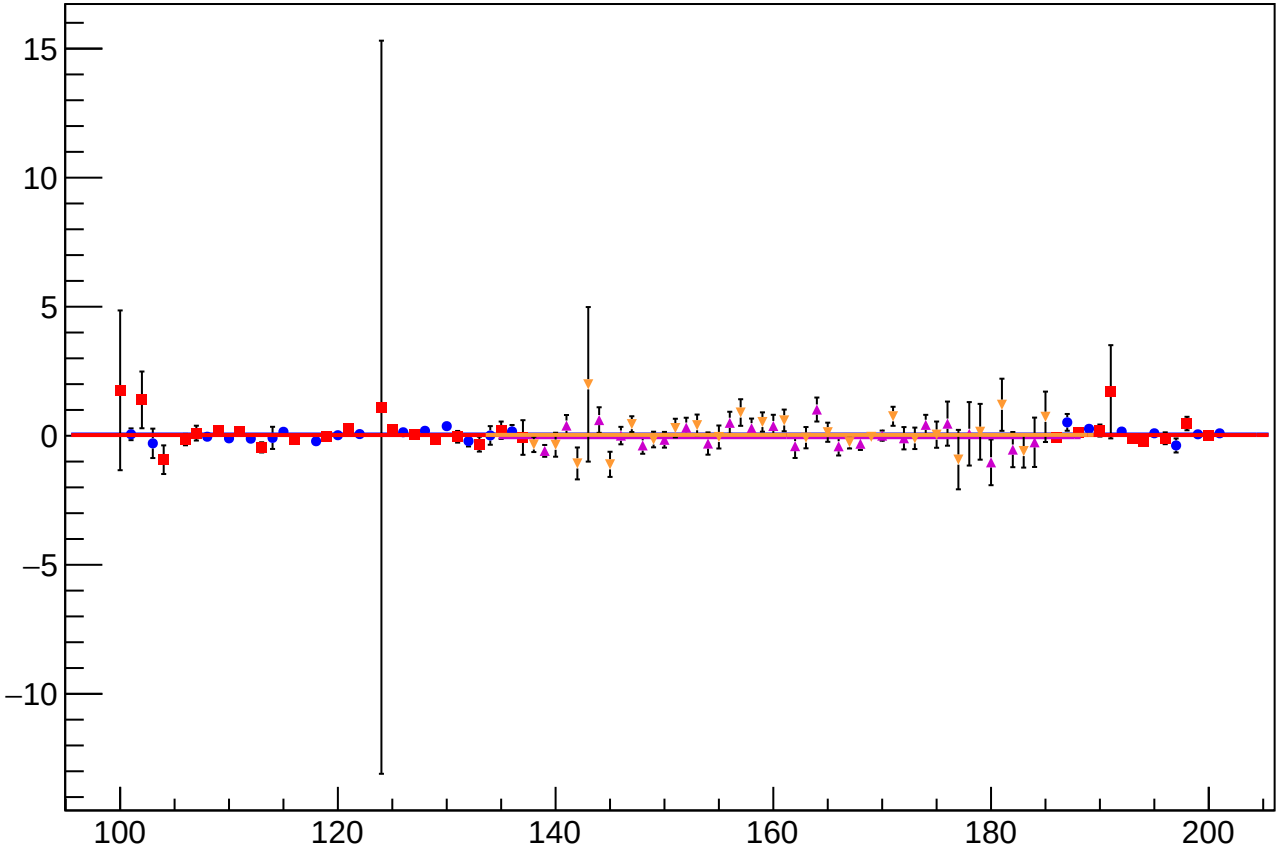
+ sign 0.000+/-0.000 χ^2/NDF: 67.3/47

All: -0.000+/-0.000 χ^2/NDF: 121.9/98

- sign -0.000+/-0.000 χ^2/NDF: 52.9/50


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.008+/-0.000 χ²/NDF: 1851863.1/22
Left Out: 0.004+/-0.000 χ²/NDF:13552895.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 16004415.6/27
Left In: 0.005+/-0.000 χ²/NDF:10859759.8/22
+ sign 0.005+/-0.000 χ²/NDF: 20205070.1/47
All: 0.004+/-0.000 χ²/NDF: 50292634.1/98
- sign 0.004+/-0.000 χ²/NDF: 28790004.8/50

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: 0.027+/-0.035 χ^2/NDF: 31.3/27

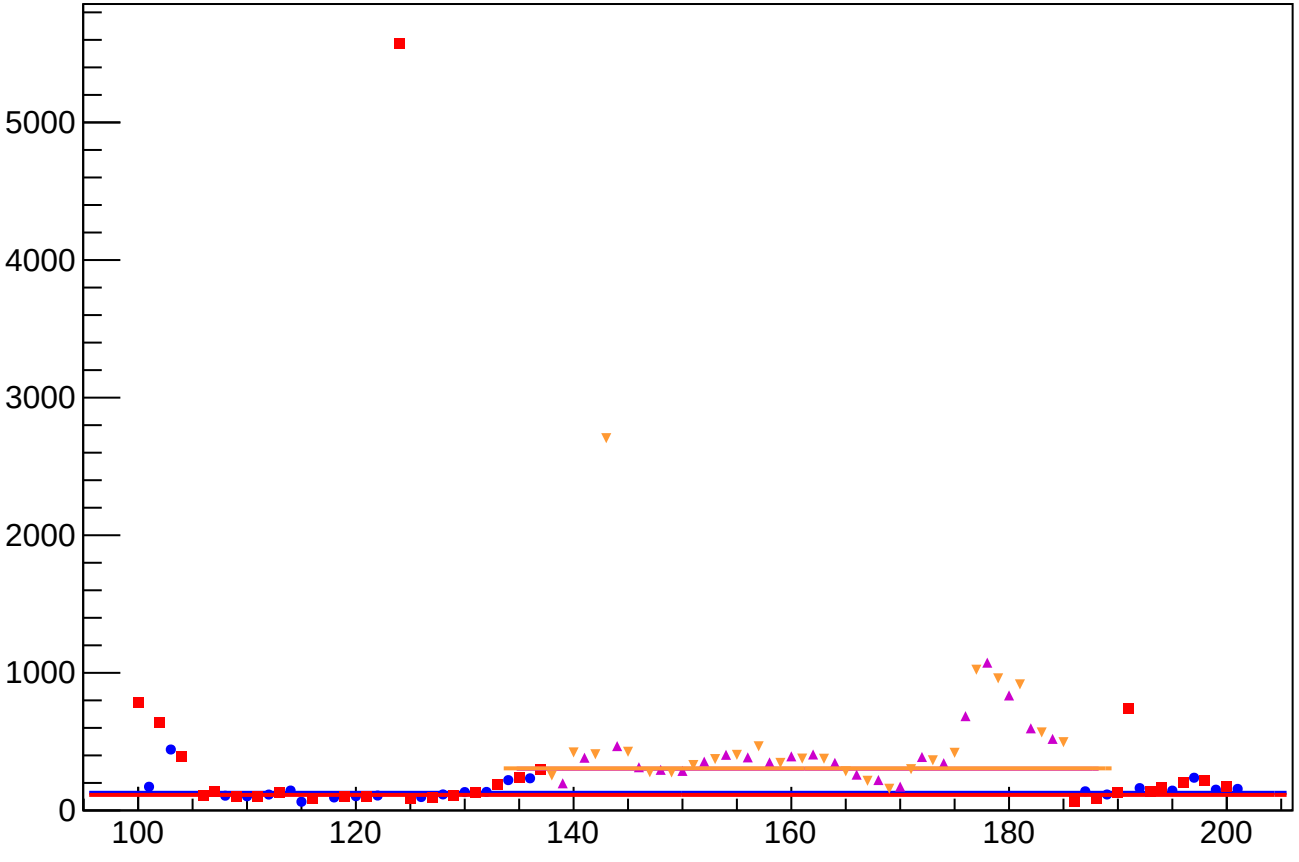
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.045+/-0.035 χ^2/NDF: 49.7/47

All: 0.027+/-0.024 χ^2/NDF: 108.5/98

- sign 0.013+/-0.032 χ^2/NDF: 58.3/50

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

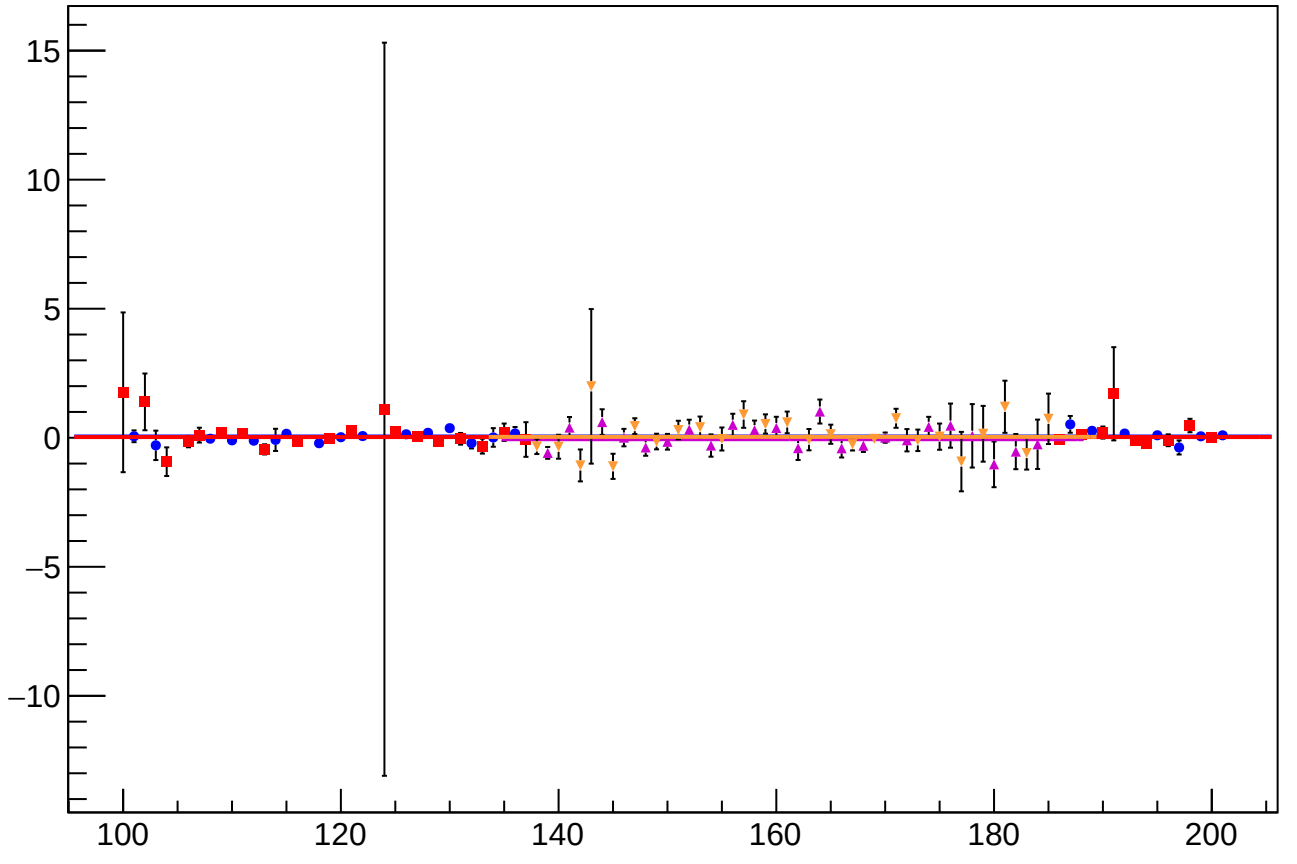
Right Out: 113.112+/-0.025 χ^2/NDF: 4140547.3/27

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 164.740+/-0.025 χ^2/NDF: 17240378.7/47

All: 154.274+/-0.017 χ^2/NDF: 36544241.8/98

- sign 145.680+/-0.023 χ^2/NDF: 18983795.1/50



Right In: 0.048+/-0.040 χ^2/NDF: 19.2/22

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

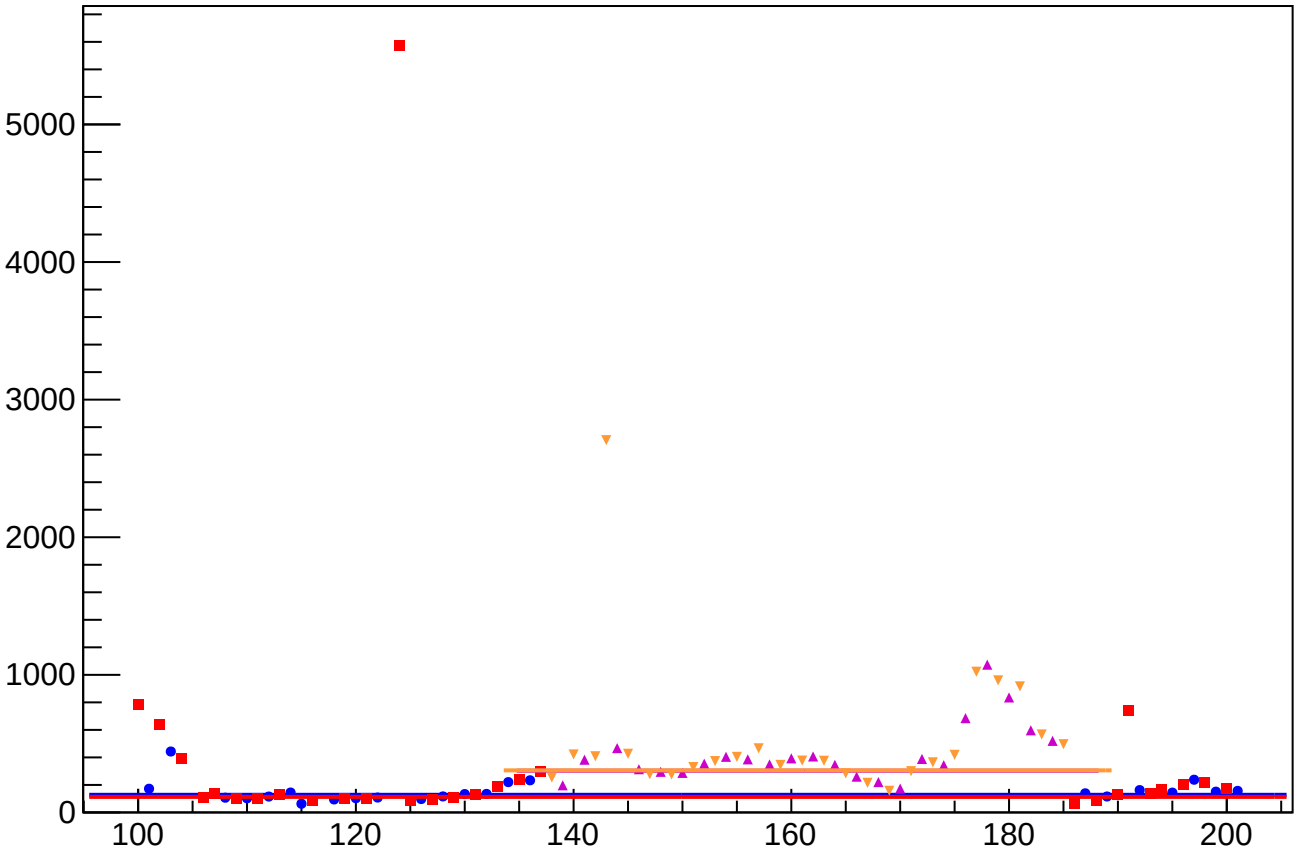
Right Out: 0.027+/-0.035 χ^2/NDF: 31.3/27

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.045+/-0.035 χ^2/NDF: 49.7/47

All: 0.027+/-0.024 χ^2/NDF: 108.5/98

- sign 0.013+/-0.032 χ^2/NDF: 58.3/50



Right In: 128.284+/-0.028 χ^2/NDF: 2344674.4/22

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

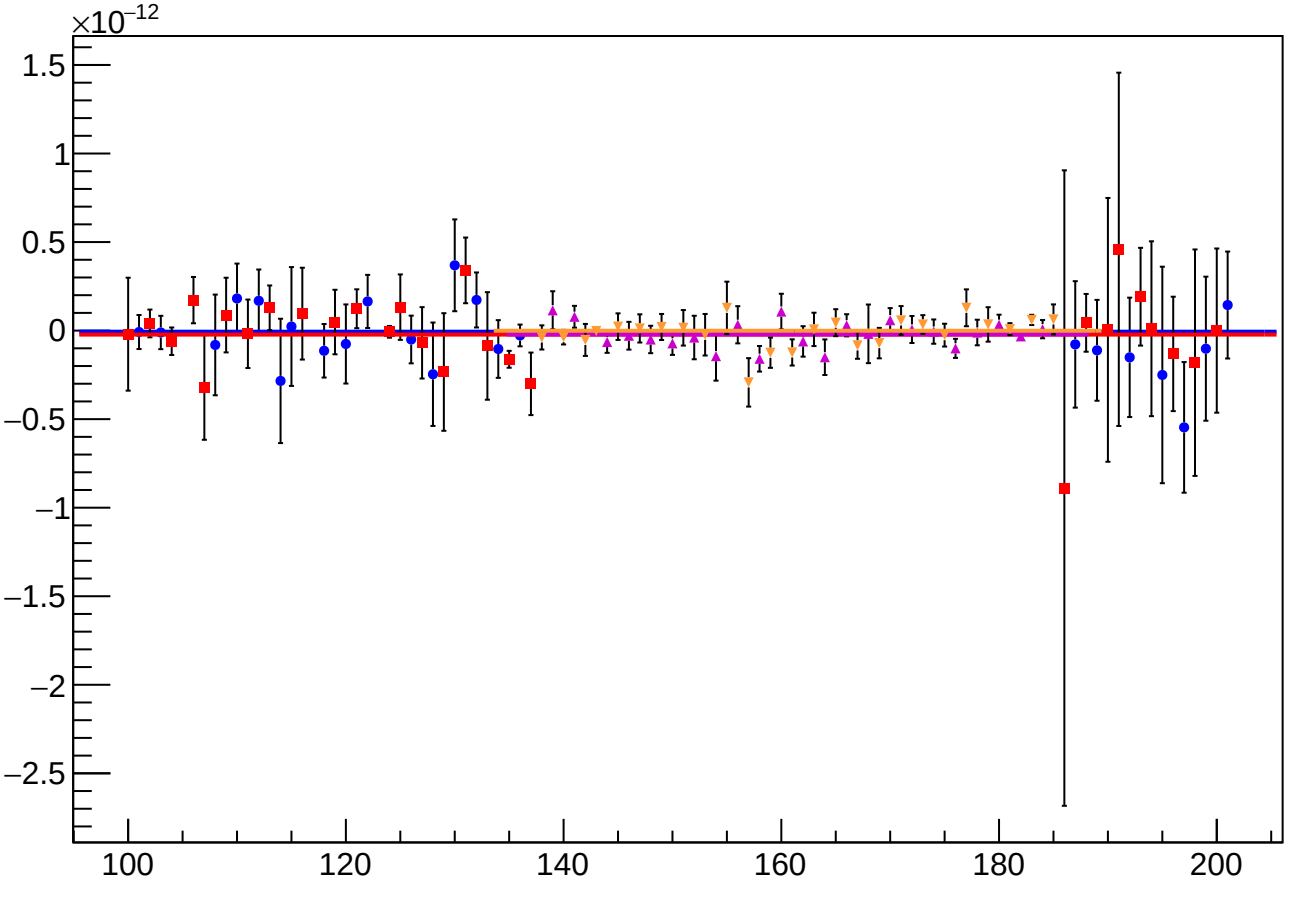
Right Out: 113.112+/-0.025 χ^2/NDF: 4140547.3/27

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 164.740+/-0.025 χ^2/NDF: 17240378.7/47

All: 154.274+/-0.017 χ^2/NDF: 36544241.8/98

- sign 145.680+/-0.023 χ^2/NDF: 18983795.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

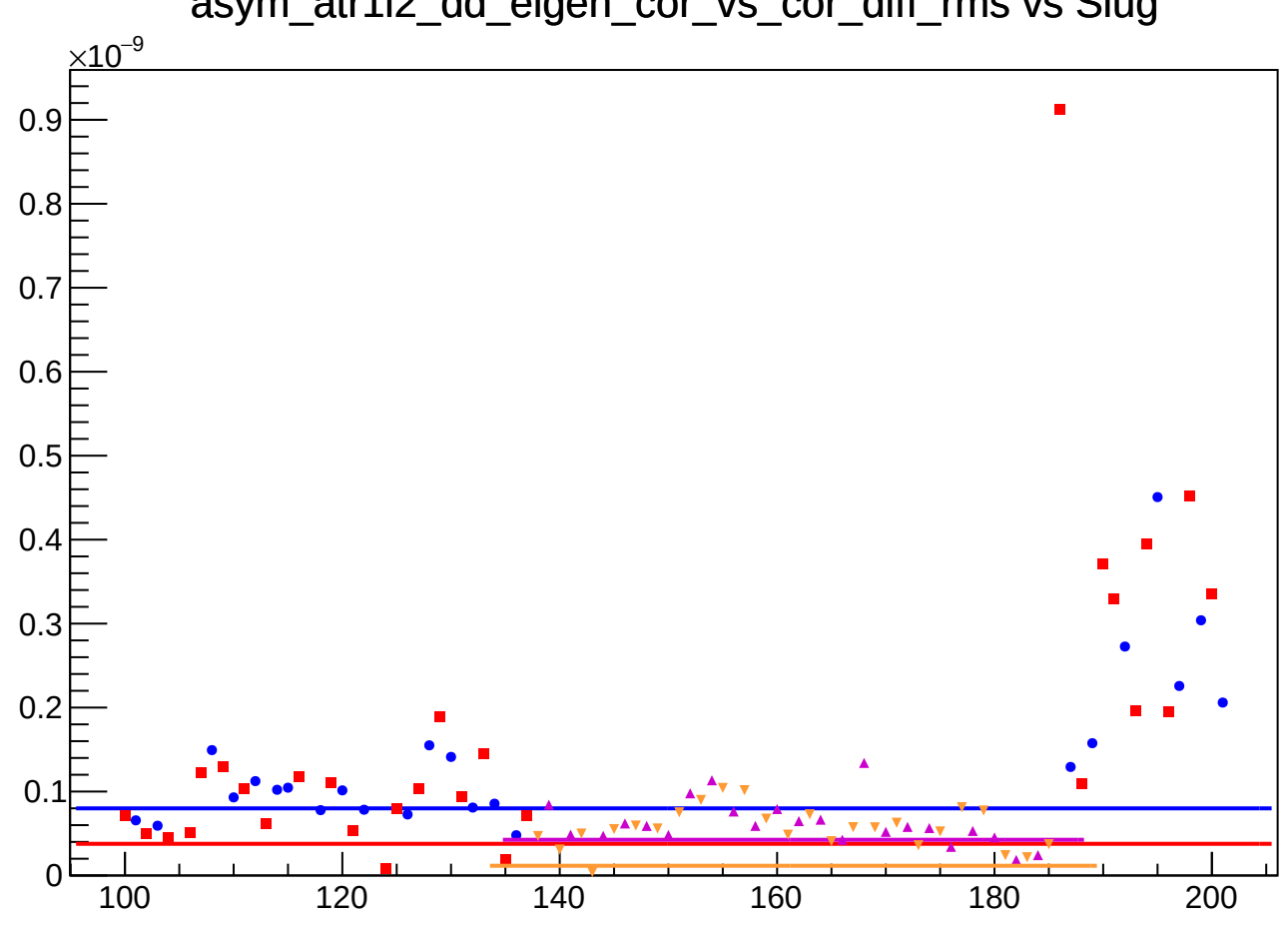
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/27

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: 82.2/98

- sign -0.000+/-0.000 χ^2/NDF: 45.2/50



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: 9847191.7/27

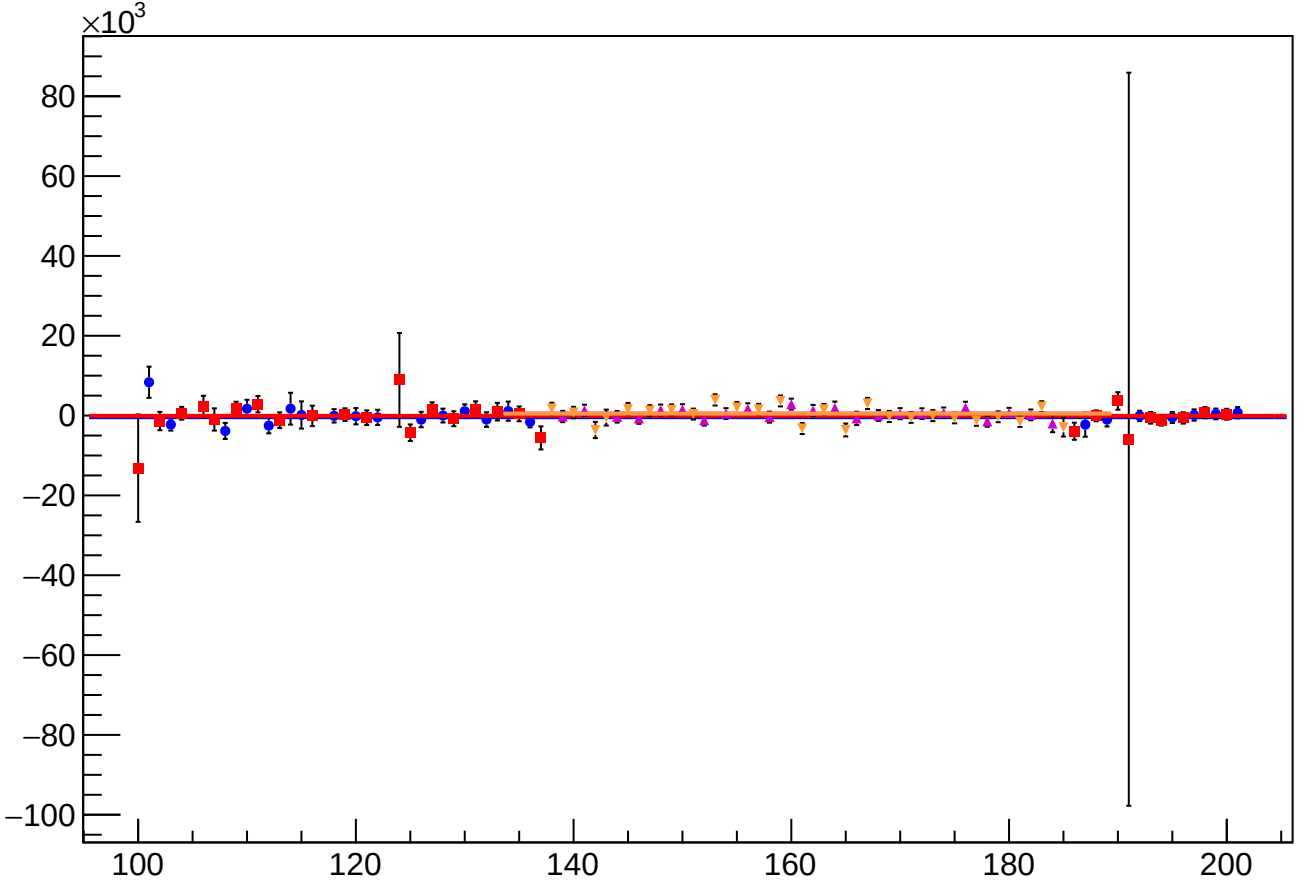
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30022980.2/47

All: 0.000+/-0.000 χ^2/NDF: 54830231.1/98

- sign 0.000+/-0.000 χ^2/NDF: 15340913.4/50

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: -65.376+/-359.817 χ^2/NDF: 23.4/27

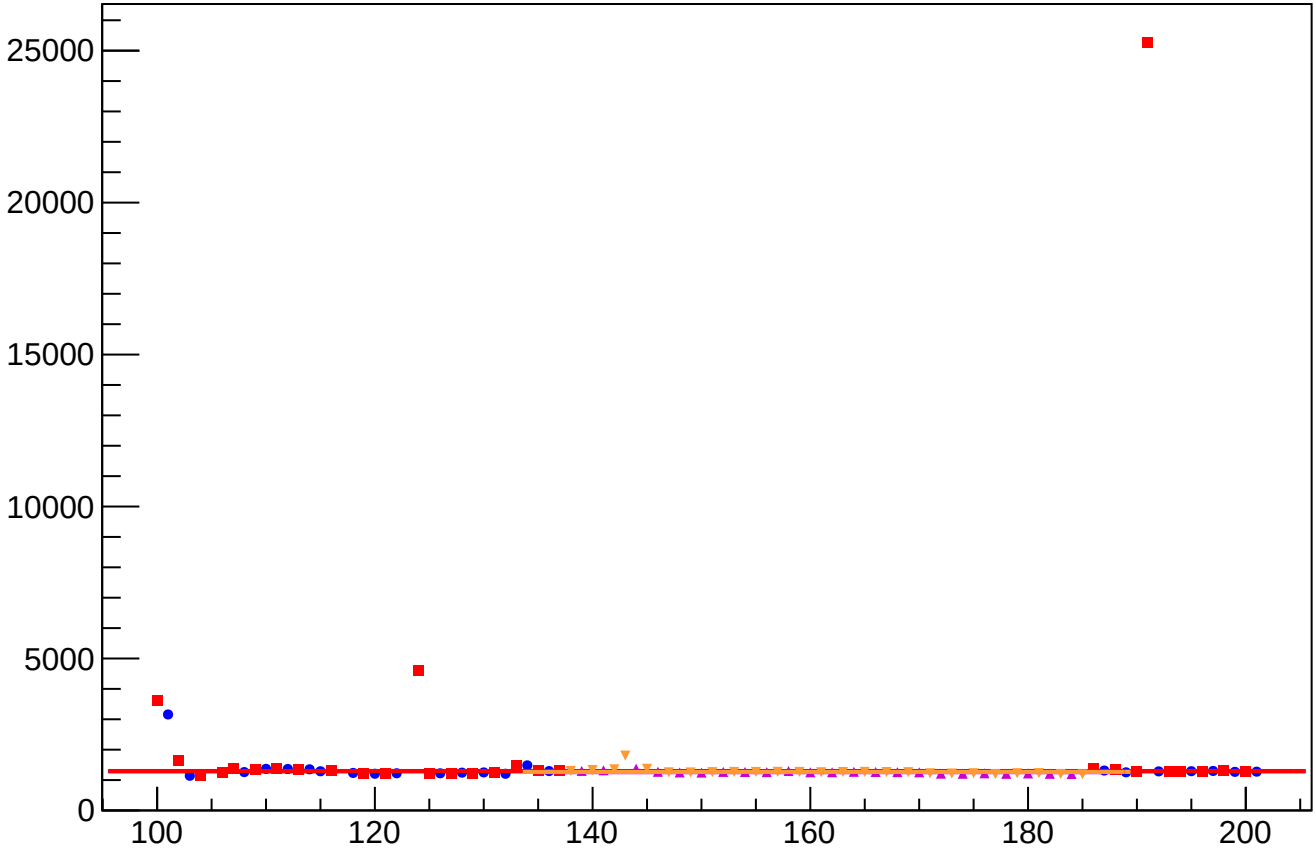
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 157.067+/-227.565 χ^2/NDF: 66.3/47

All: 211.515+/-160.911 χ^2/NDF: 105.6/98

- sign 265.961+/-227.559 χ^2/NDF: 39.2/50

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

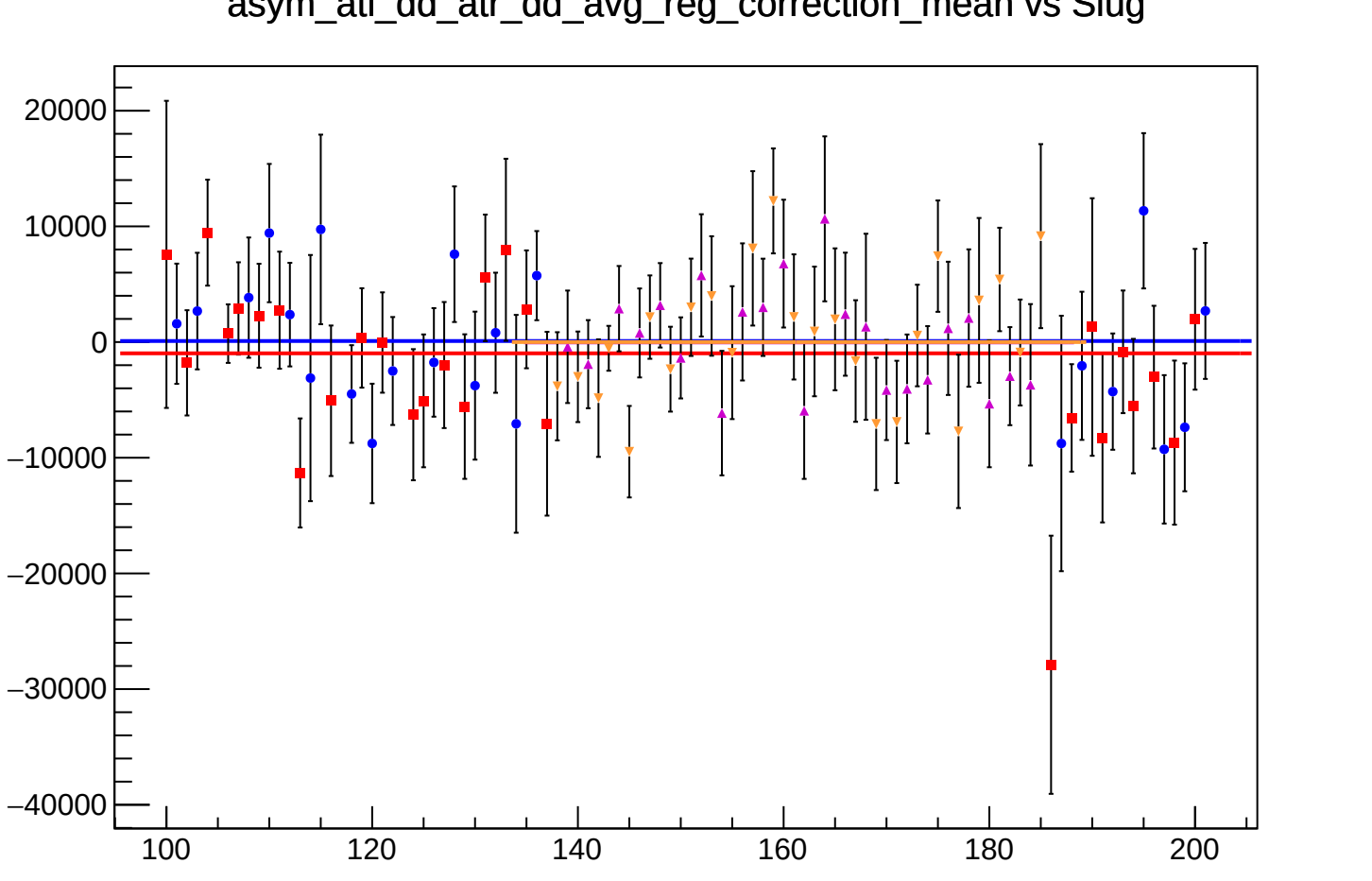
Right Out: 1299.123+/-0.254 χ^2/NDF: 466310.2/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707228.5/47

All: 1274.283+/-0.114 χ^2/NDF: 1226402.2/98

- sign 1274.207+/-0.161 χ^2/NDF: 519173.2/50



Right In: 89.768+/-1154.948 χ^2/NDF: 22.8/22

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

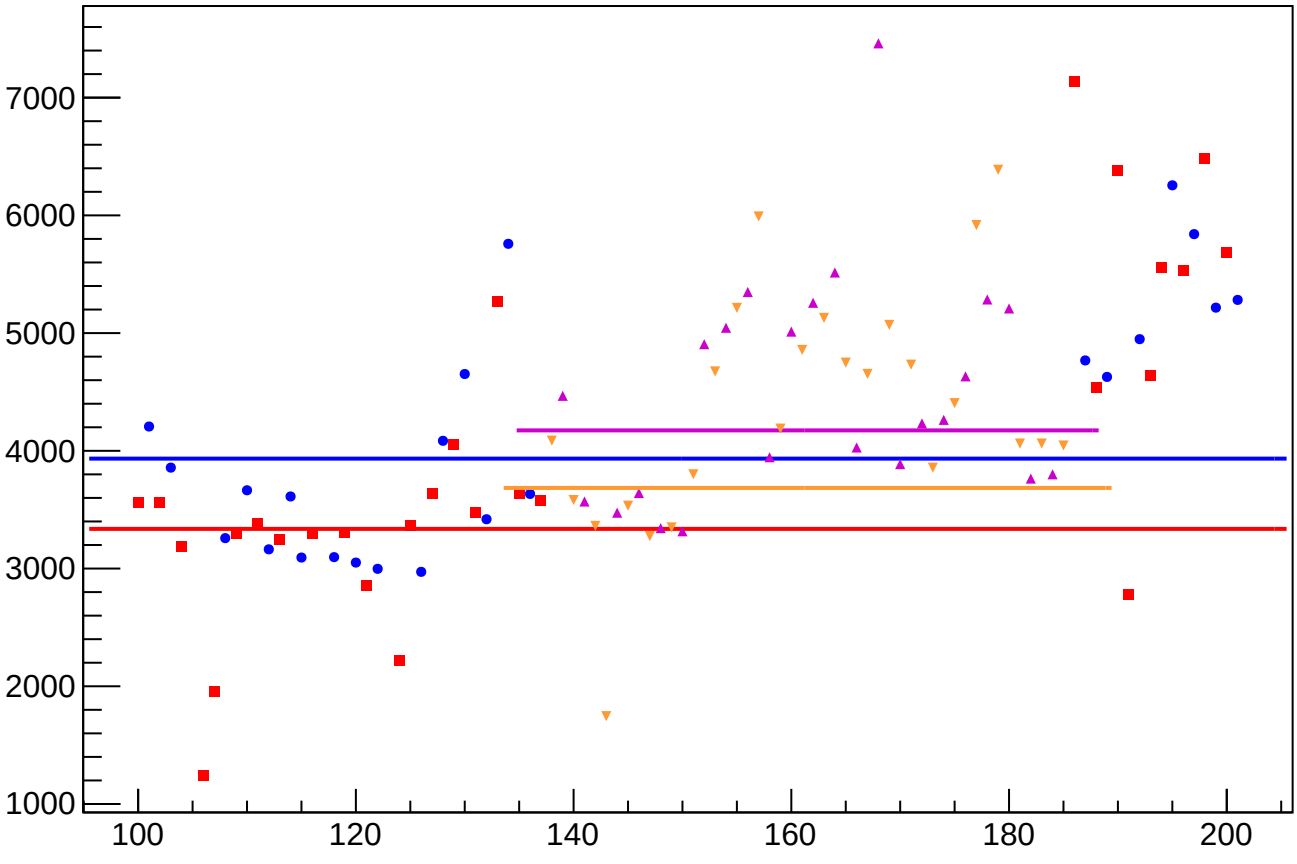
Right Out: -975.027+/-985.492 χ^2/NDF: 29.7/27

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 32.900+/-703.220 χ^2/NDF: 51.9/47

All: -238.675+/-496.218 χ^2/NDF: 96.4/98

- sign -508.004+/-700.307 χ^2/NDF: 44.2/50



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: 3336.965+/-0.697 χ^2/NDF: 3772243.5/27

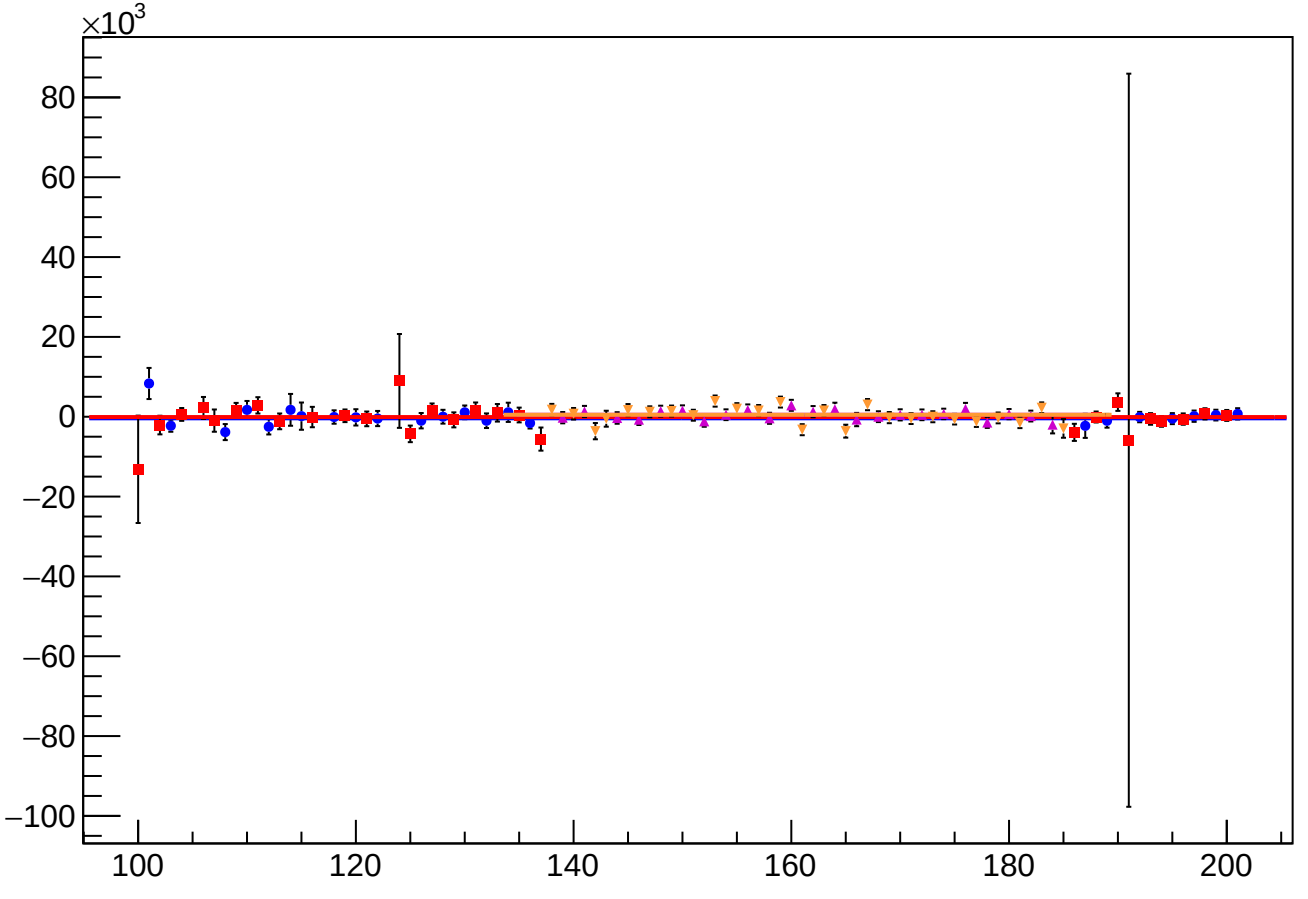
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3777.091+/-0.497 χ^2/NDF: 5058406.3/47

All: 3764.040+/-0.351 χ^2/NDF: 10820463.4/9

- sign 3751.098+/-0.495 χ^2/NDF: 5760685.2/50

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: -81.239+/-359.947 χ^2/NDF: 23.8/27

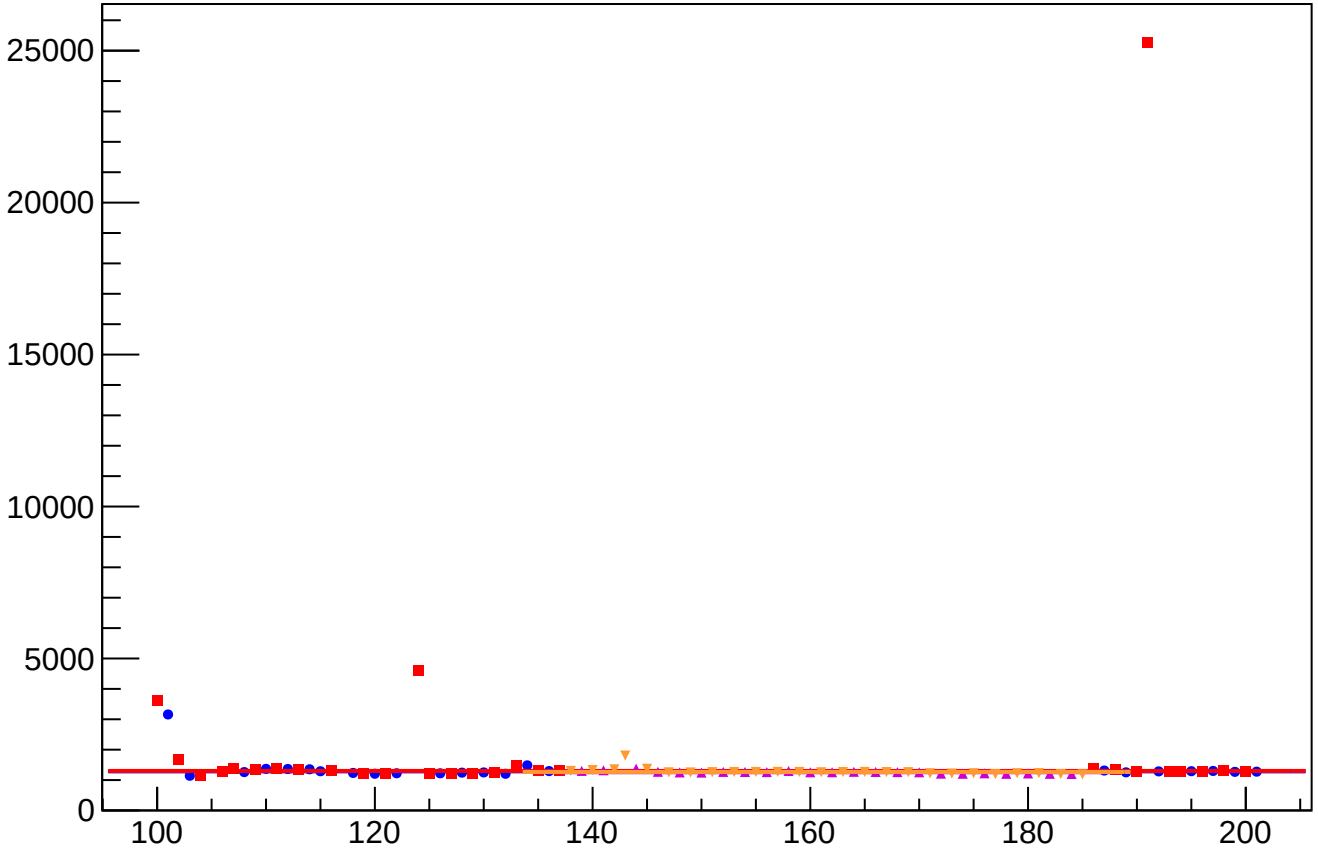
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 157.007+/-227.565 χ^2/NDF: 66.3/47

All: 208.325+/-160.922 χ^2/NDF: 106.1/98

- sign 259.654+/-227.592 χ^2/NDF: 39.7/50

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

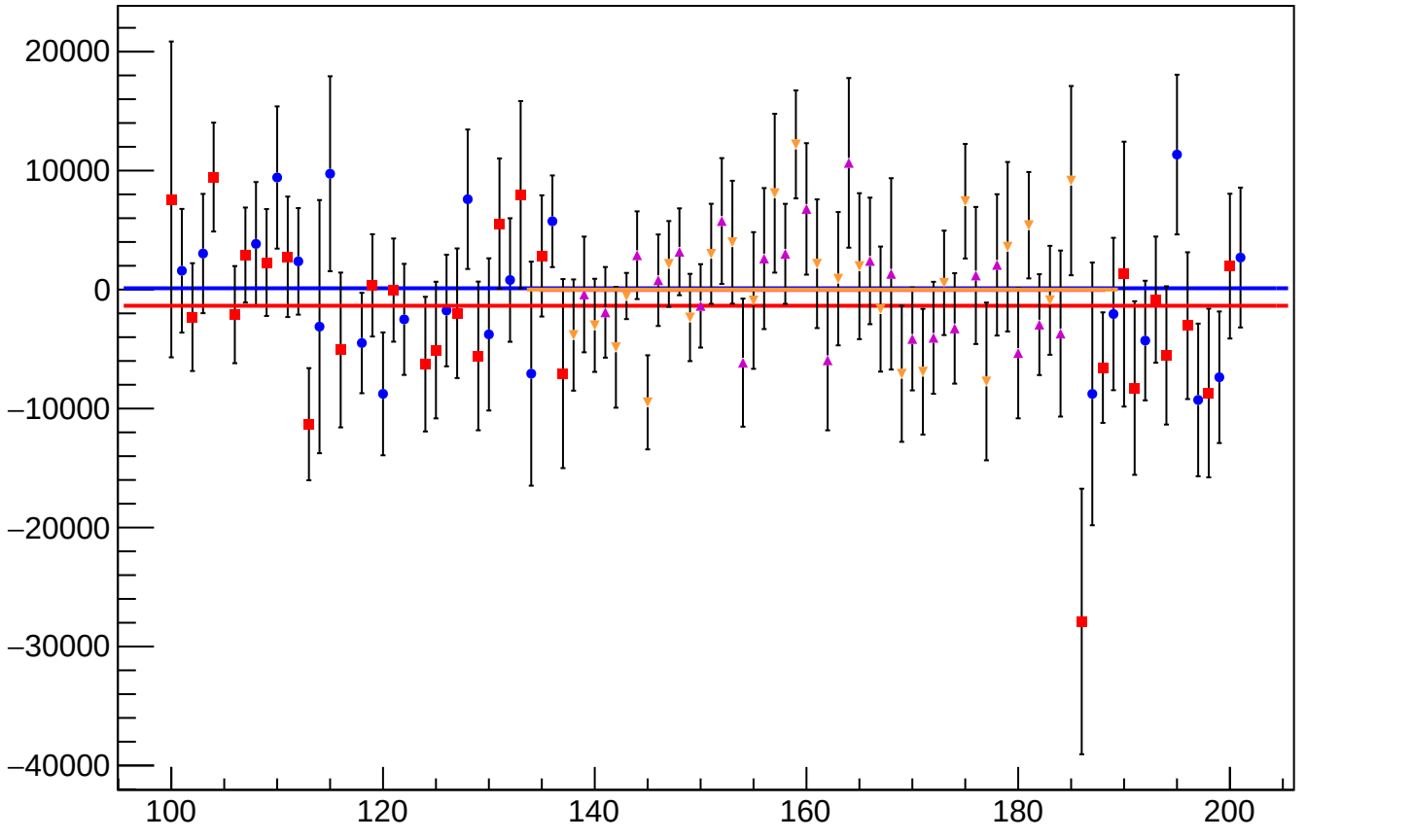
Right Out: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707229.9/47

All: 1274.497+/-0.114 χ^2/NDF: 1233786.3/98

- sign 1274.634+/-0.161 χ^2/NDF: 526554.9/50



Right In: 109.730+/-1154.647 χ^2/NDF: 22.9/22

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

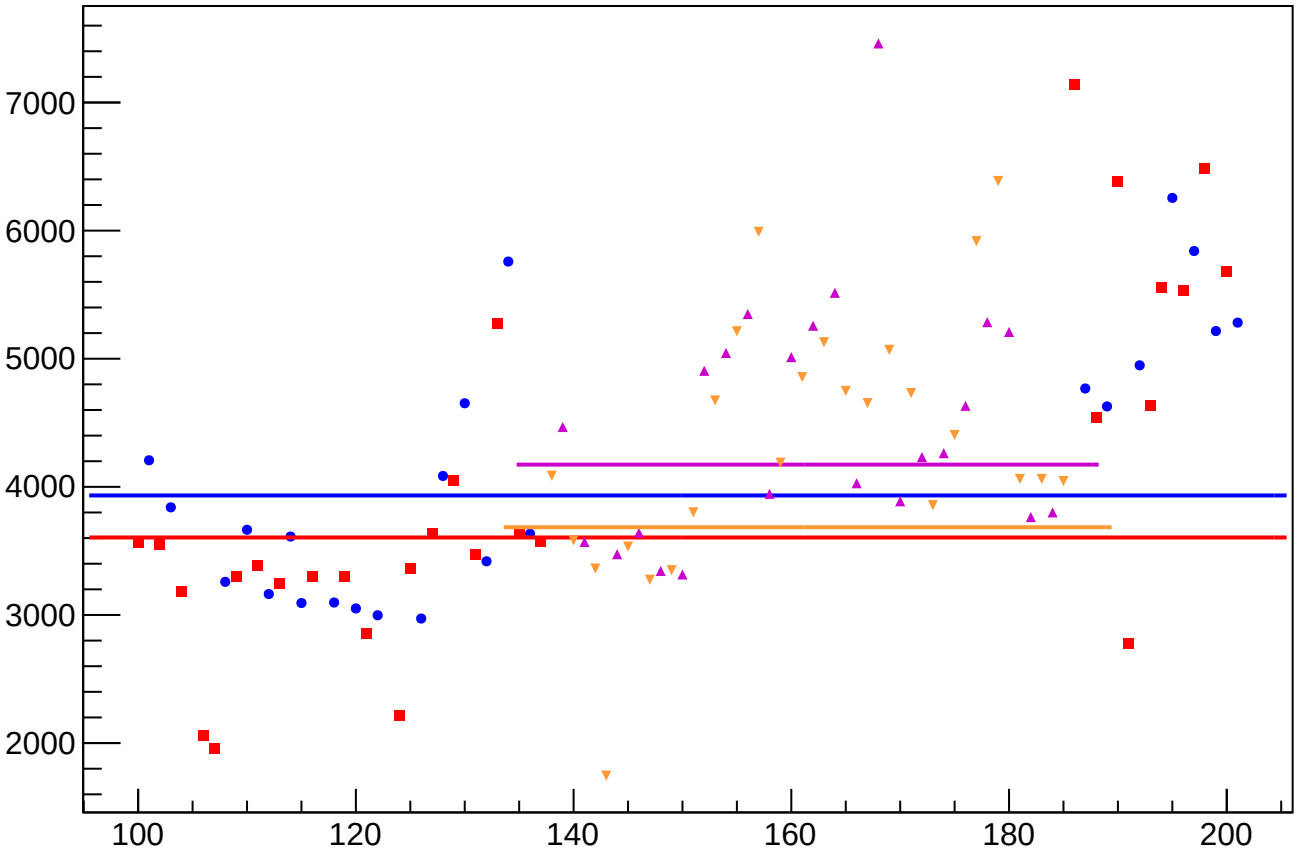
Right Out: -1358.984+/-1034.749 χ^2/NDF: 29.3/27

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 40.353+/-703.152 χ^2/NDF: 52.0/47

All: -307.501+/-502.145 χ^2/NDF: 96.7/98

- sign -669.537+/-717.342 χ^2/NDF: 44.2/50



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: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

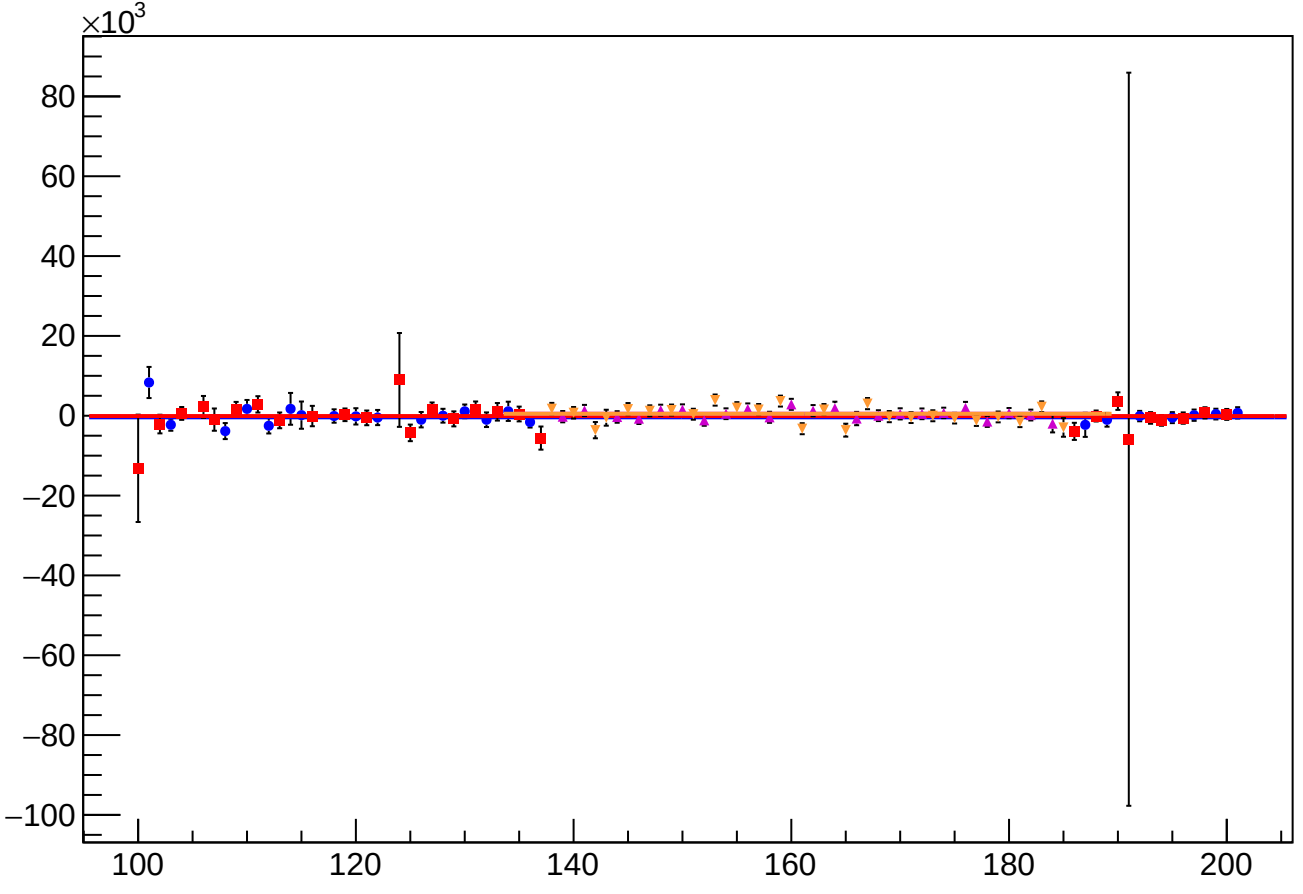
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3776.777+/-0.497 χ^2/NDF: 5058325.1/47

All: 3837.268+/-0.355 χ^2/NDF: 9137917.0/98

- sign 3900.225+/-0.507 χ^2/NDF: 4049384.9/50

eigen_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: -81.239+/-359.947 χ^2/NDF: 23.8/27

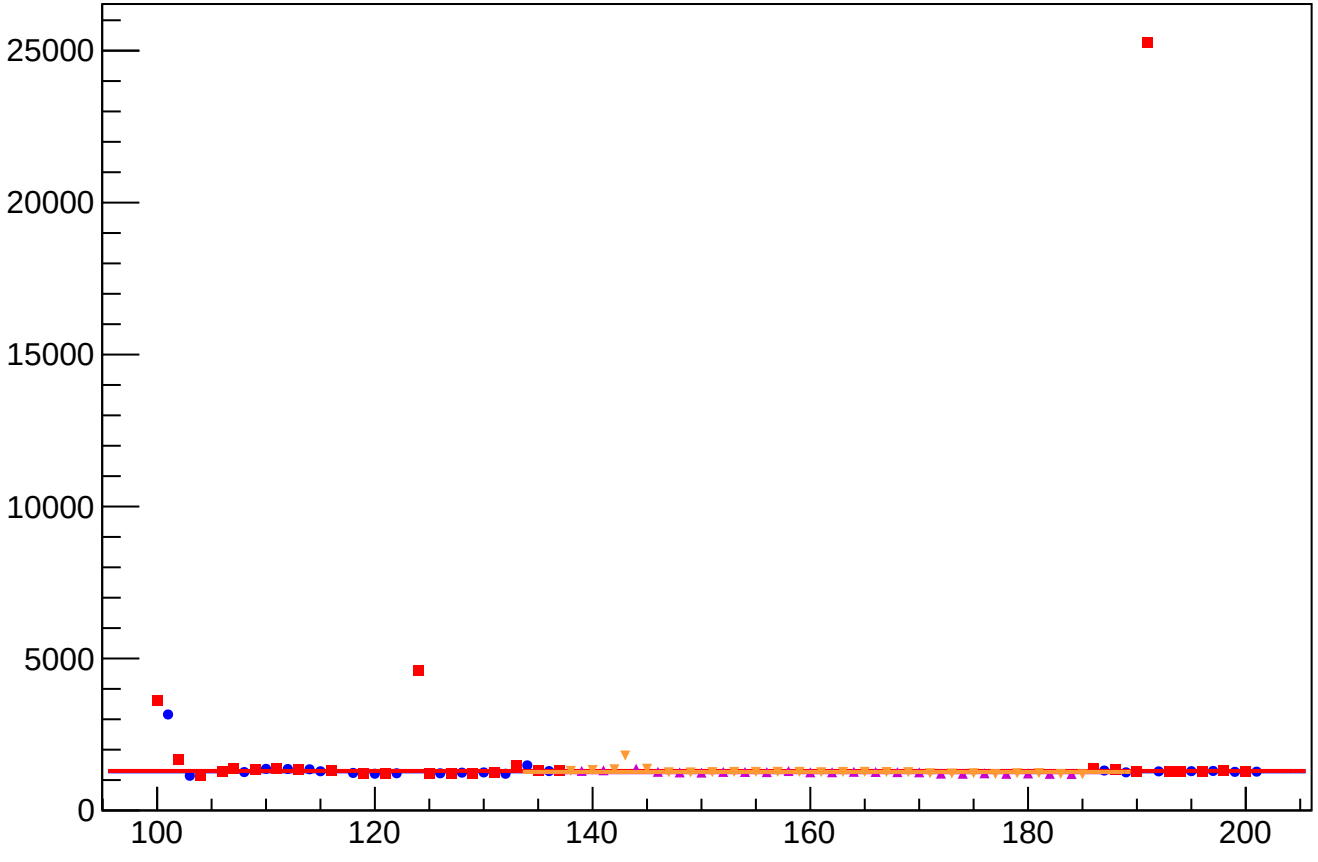
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 157.007+/-227.565 χ^2/NDF: 66.3/47

All: 208.325+/-160.922 χ^2/NDF: 106.1/98

- sign 259.654+/-227.592 χ^2/NDF: 39.7/50

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

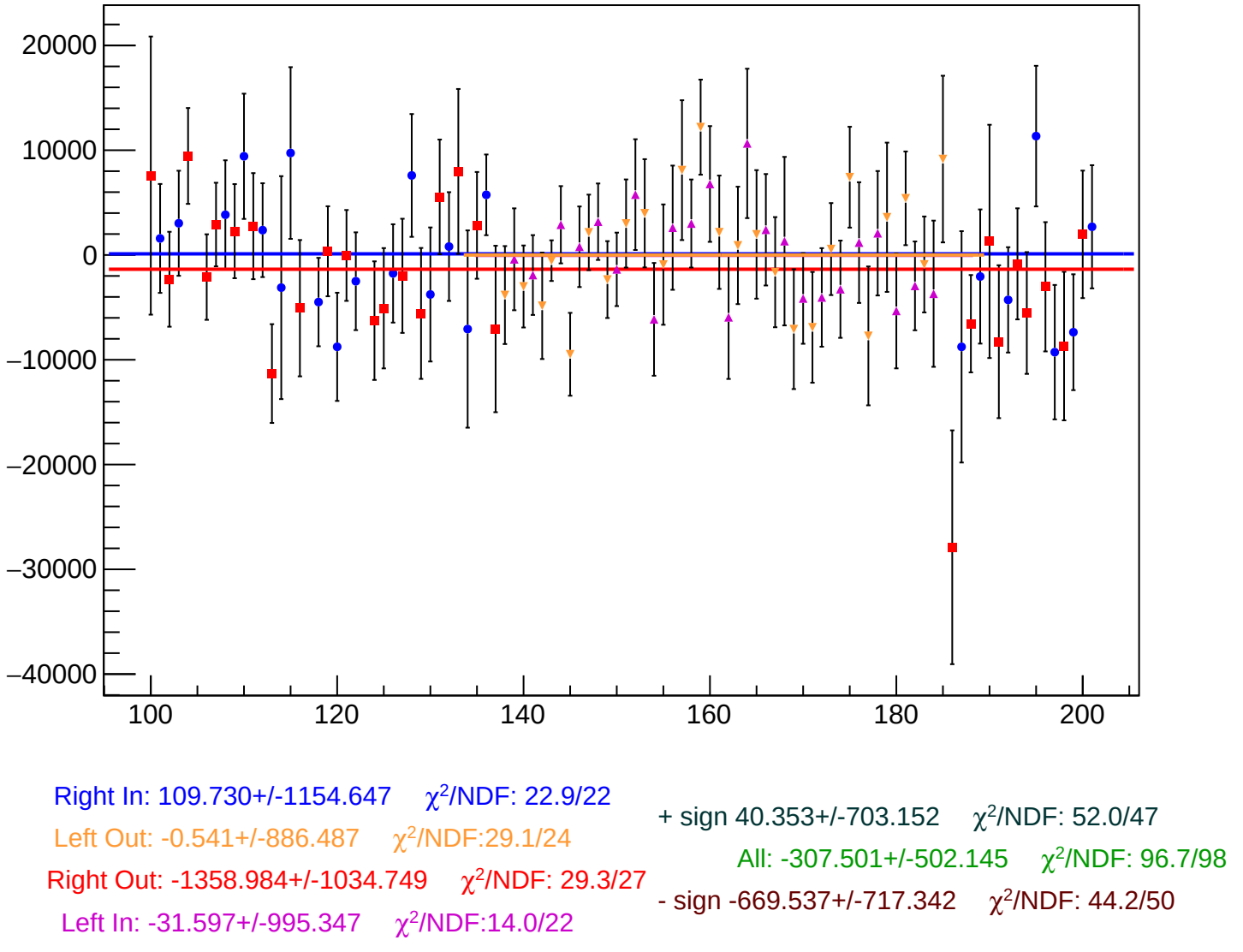
Right Out: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

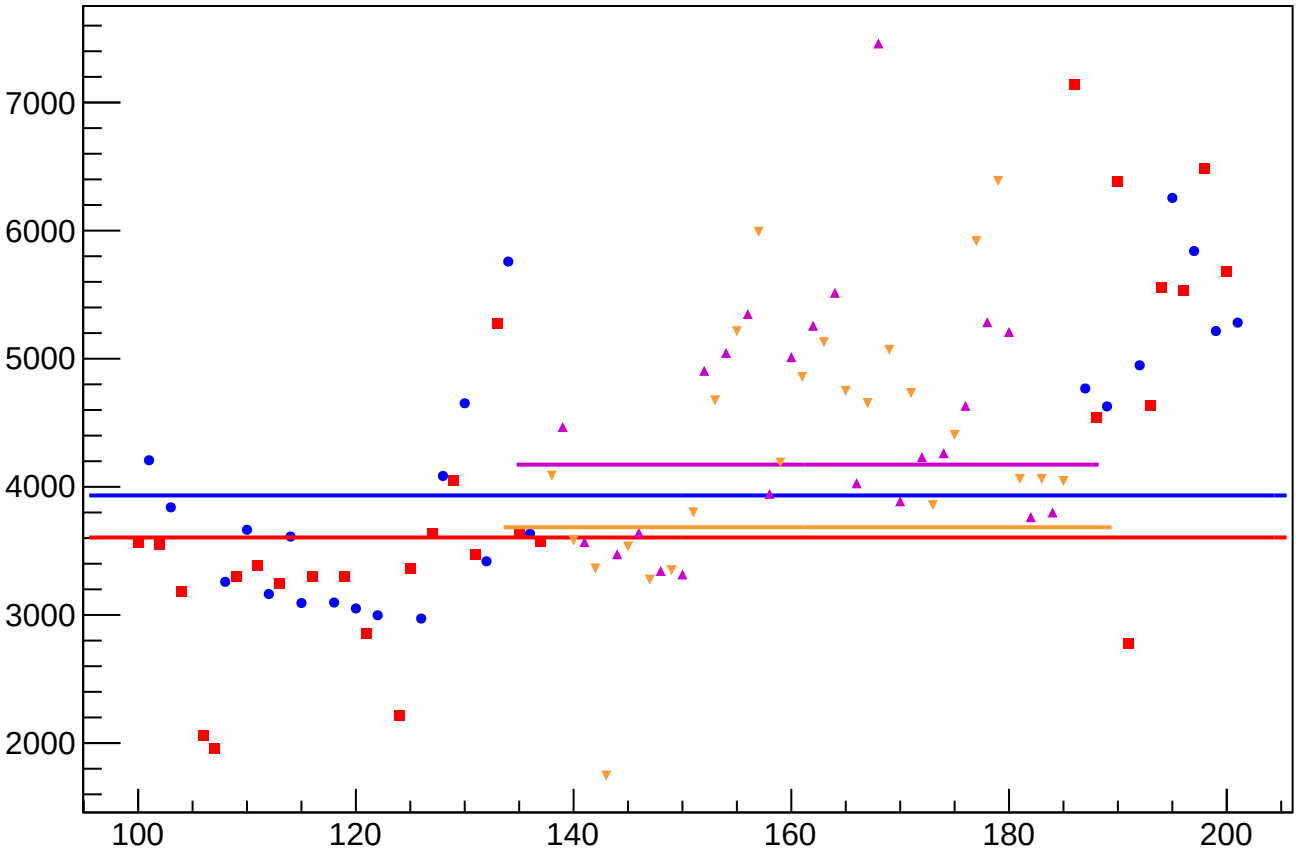
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707229.9/47

All: 1274.497+/-0.114 χ^2/NDF: 1233786.3/98

- sign 1274.634+/-0.161 χ^2/NDF: 526554.9/50


asym_atl_dd_atr_dd_avg_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: -1358.984+/-1034.749 χ²/NDF: 29.3/27
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 40.353+/-703.152 χ²/NDF: 52.0/47
All: -307.501+/-502.145 χ²/NDF: 96.7/98
- sign -669.537+/-717.342 χ²/NDF: 44.2/50



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: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

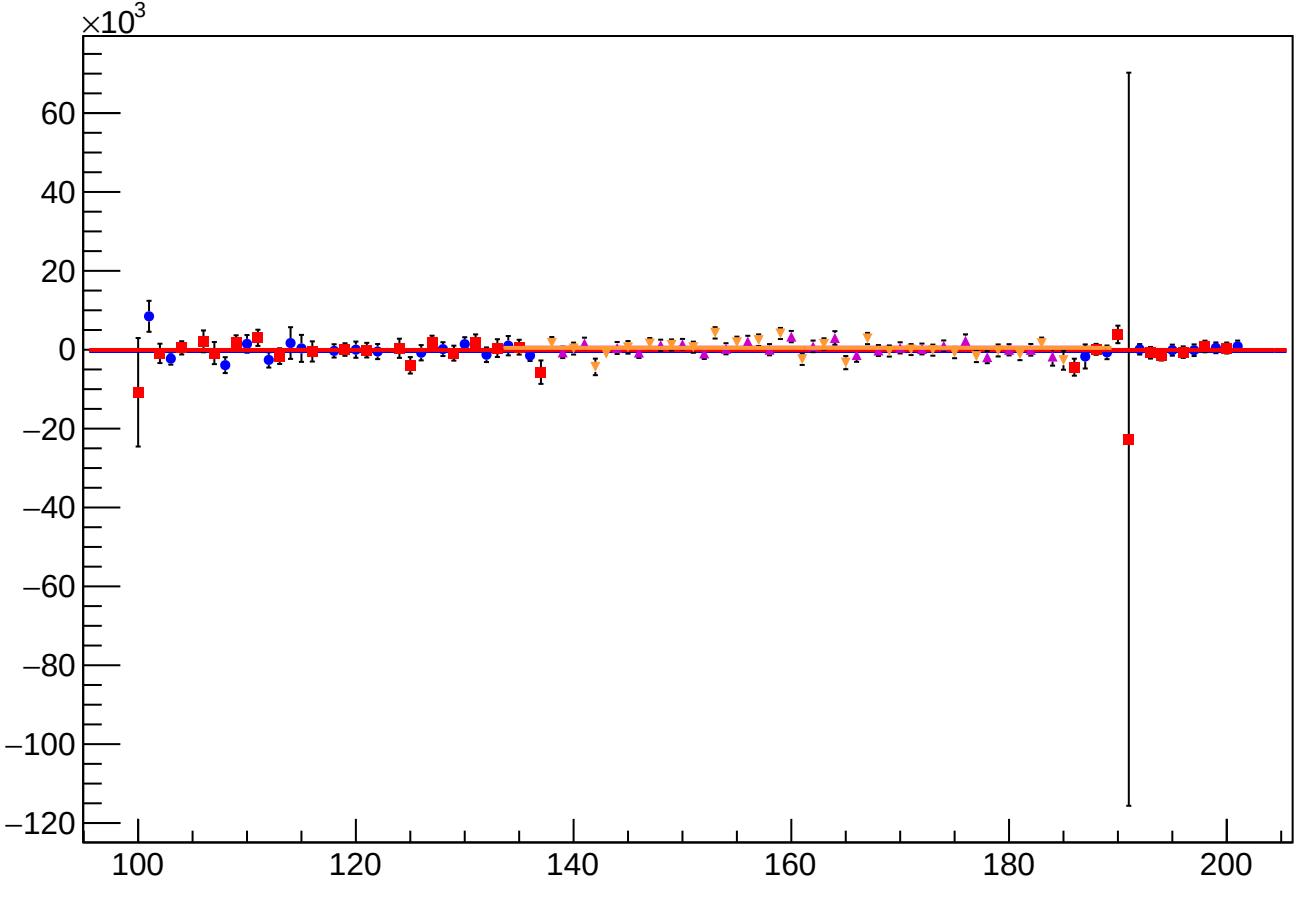
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3776.777+/-0.497 χ^2/NDF: 5058325.1/47

All: 3837.268+/-0.355 χ^2/NDF: 9137917.0/98

- sign 3900.225+/-0.507 χ^2/NDF: 4049384.9/50

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



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: -57.926+/-361.960 χ^2/NDF: 24.1/27

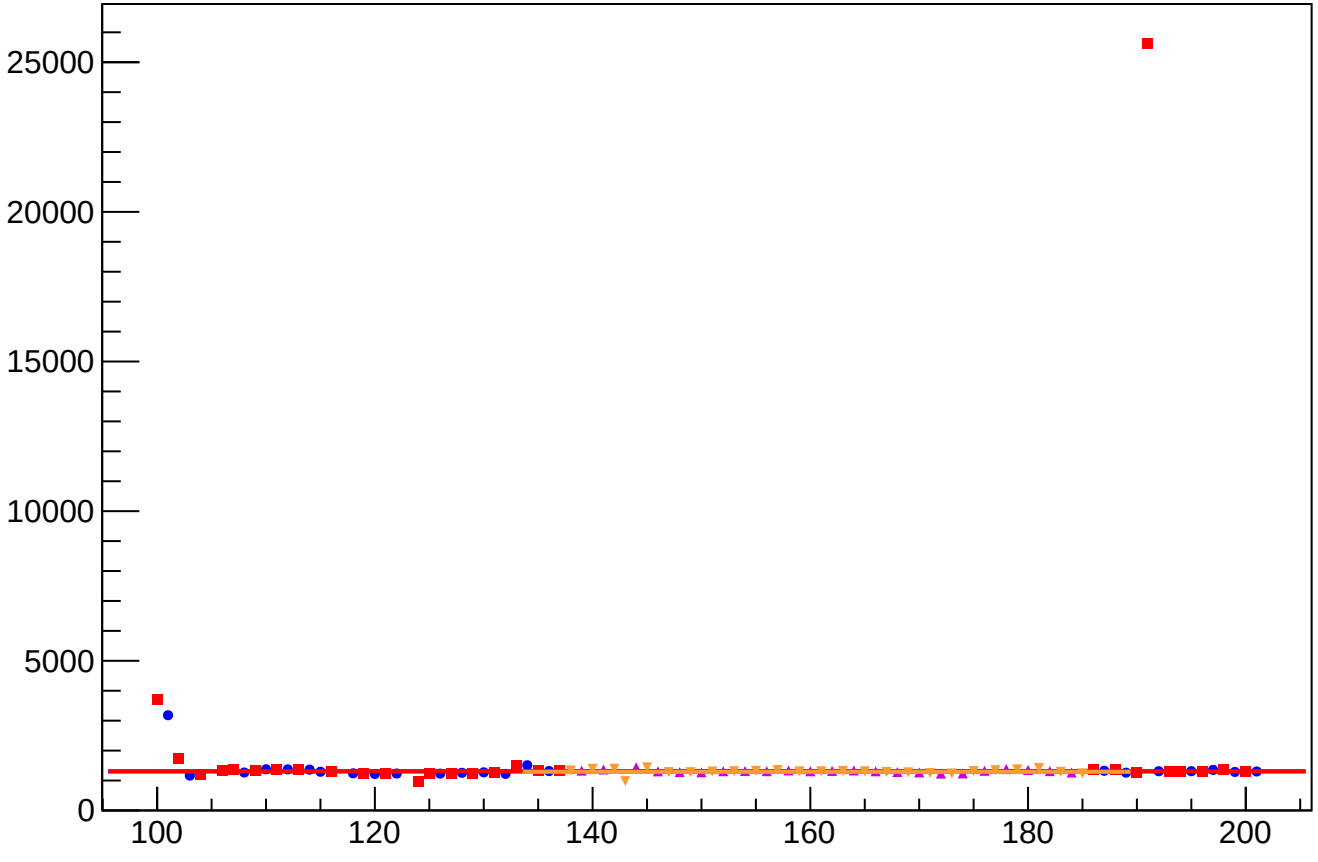
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 168.026+/-231.668 χ^2/NDF: 62.7/47

All: 217.770+/-164.685 χ^2/NDF: 105.7/98

- sign 268.588+/-234.152 χ^2/NDF: 42.9/50

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

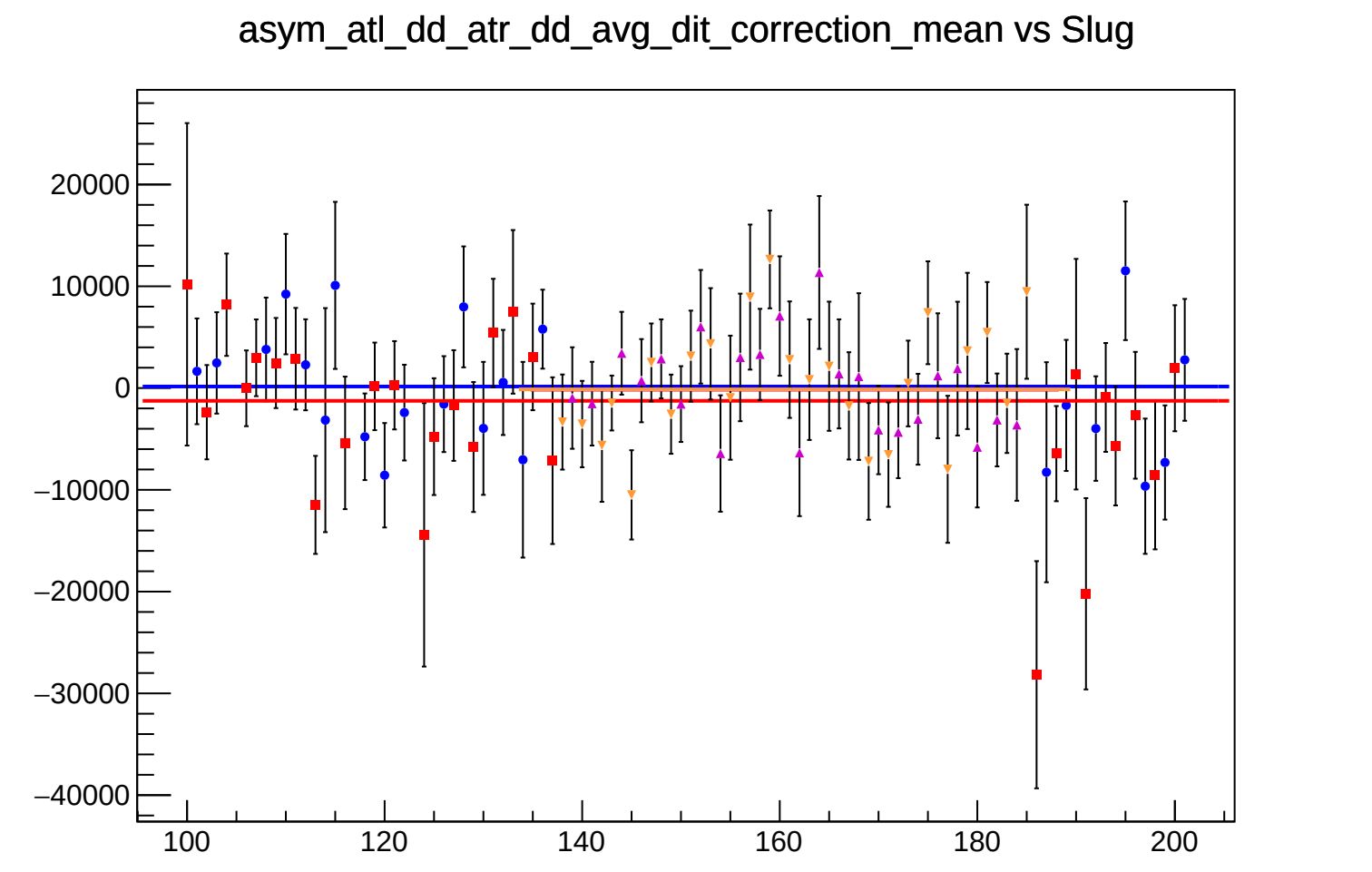
Right Out: 1309.511+/-0.256 χ^2/NDF: 363196.3/27

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.655+/-0.164 χ^2/NDF: 747148.7/47

All: 1304.308+/-0.116 χ^2/NDF: 1157980.8/98

- sign 1312.124+/-0.166 χ^2/NDF: 406420.4/50



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: -1253.721+/-1052.769 χ^2/NDF: 30.9/27

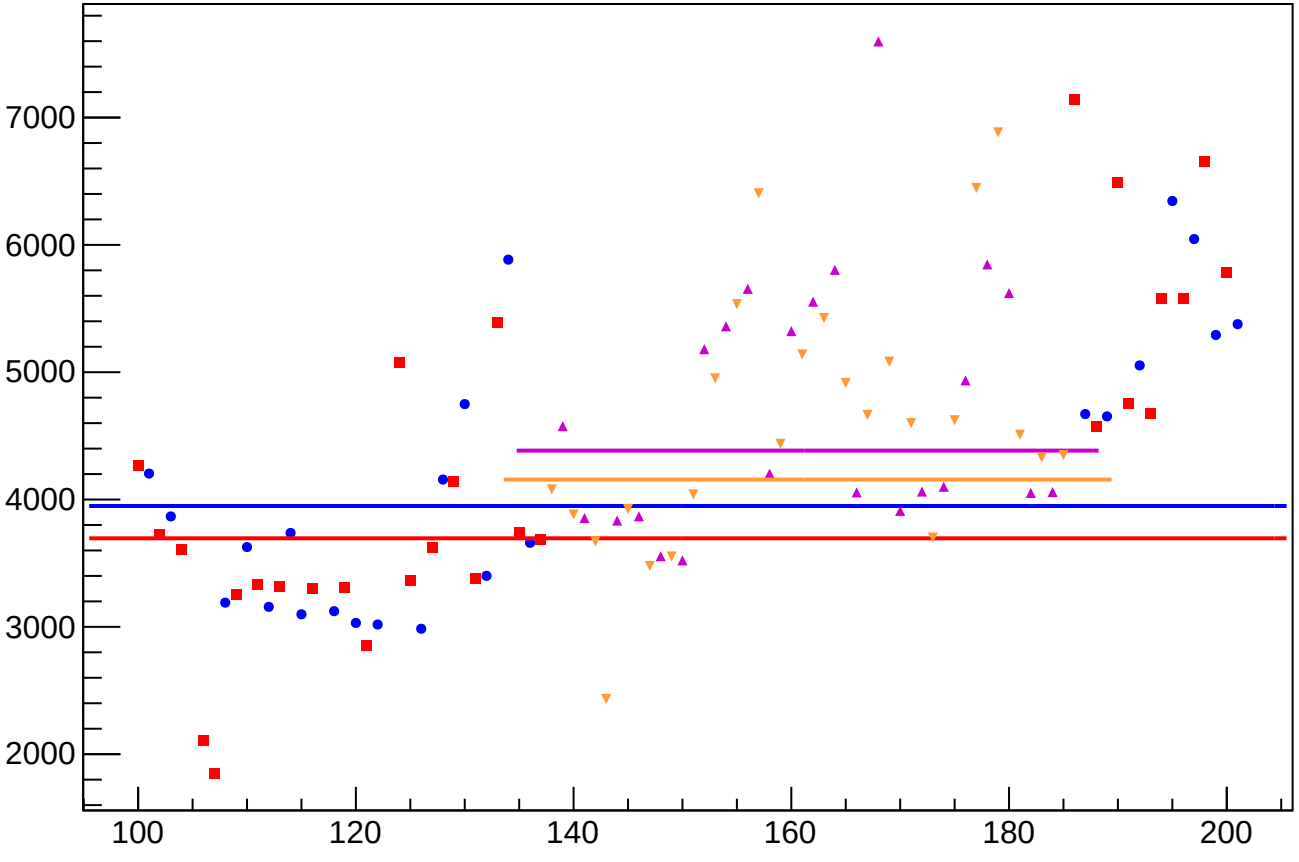
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -10.681+/-747.619 χ^2/NDF: 51.3/47

All: -359.426+/-526.592 χ^2/NDF: 97.0/98

- sign -702.801+/-741.840 χ^2/NDF: 45.3/50

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

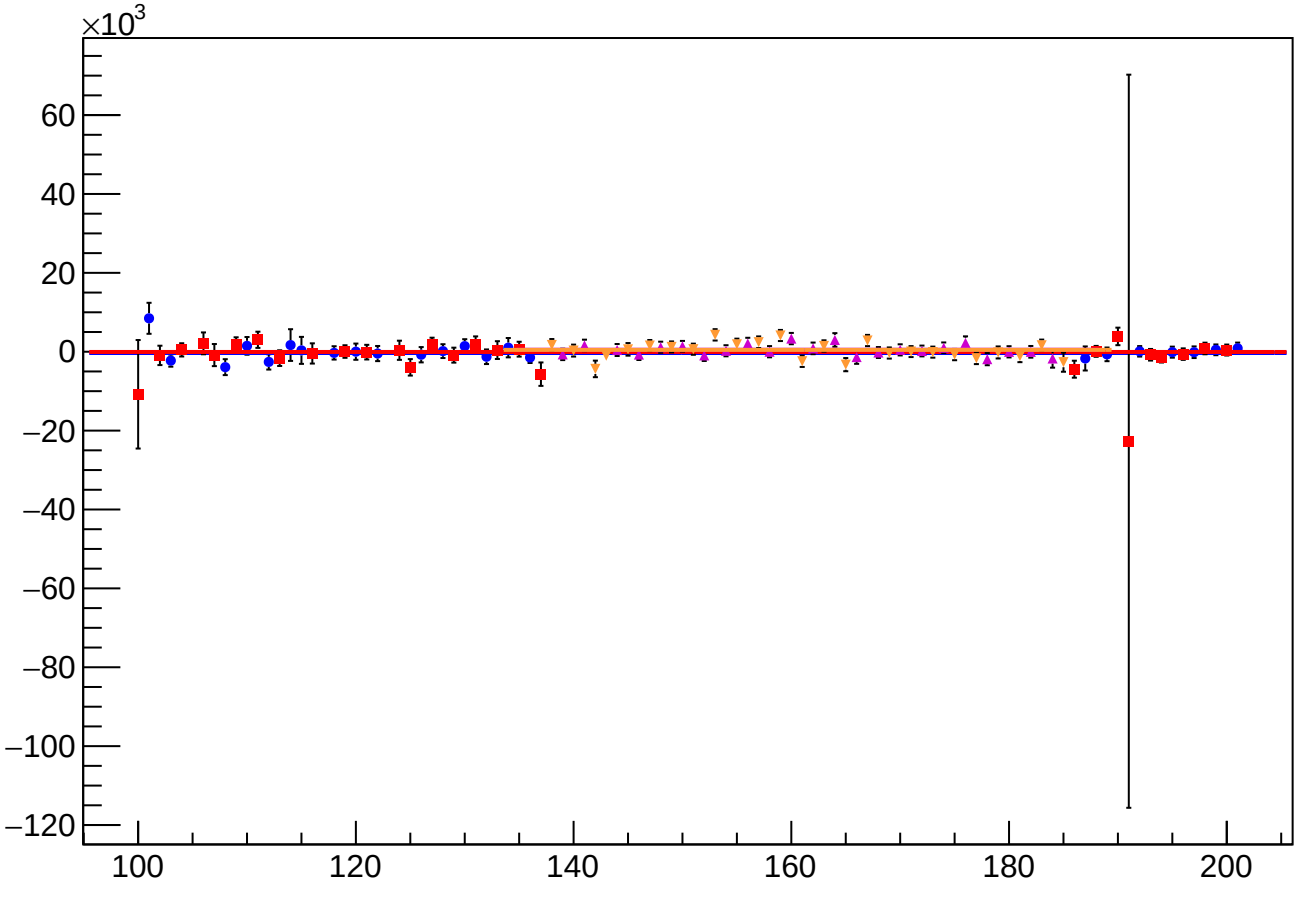
Right Out: 3695.492+/-0.744 χ^2/NDF: 2545738.6/27

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4070.608+/-0.529 χ^2/NDF: 3507511.8/47

All: 4056.339+/-0.372 χ^2/NDF: 7741242.2/98

- sign 4042.291+/-0.525 χ^2/NDF: 4232284.6/50



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: -57.922+/-361.960 χ^2/NDF: 24.1/27

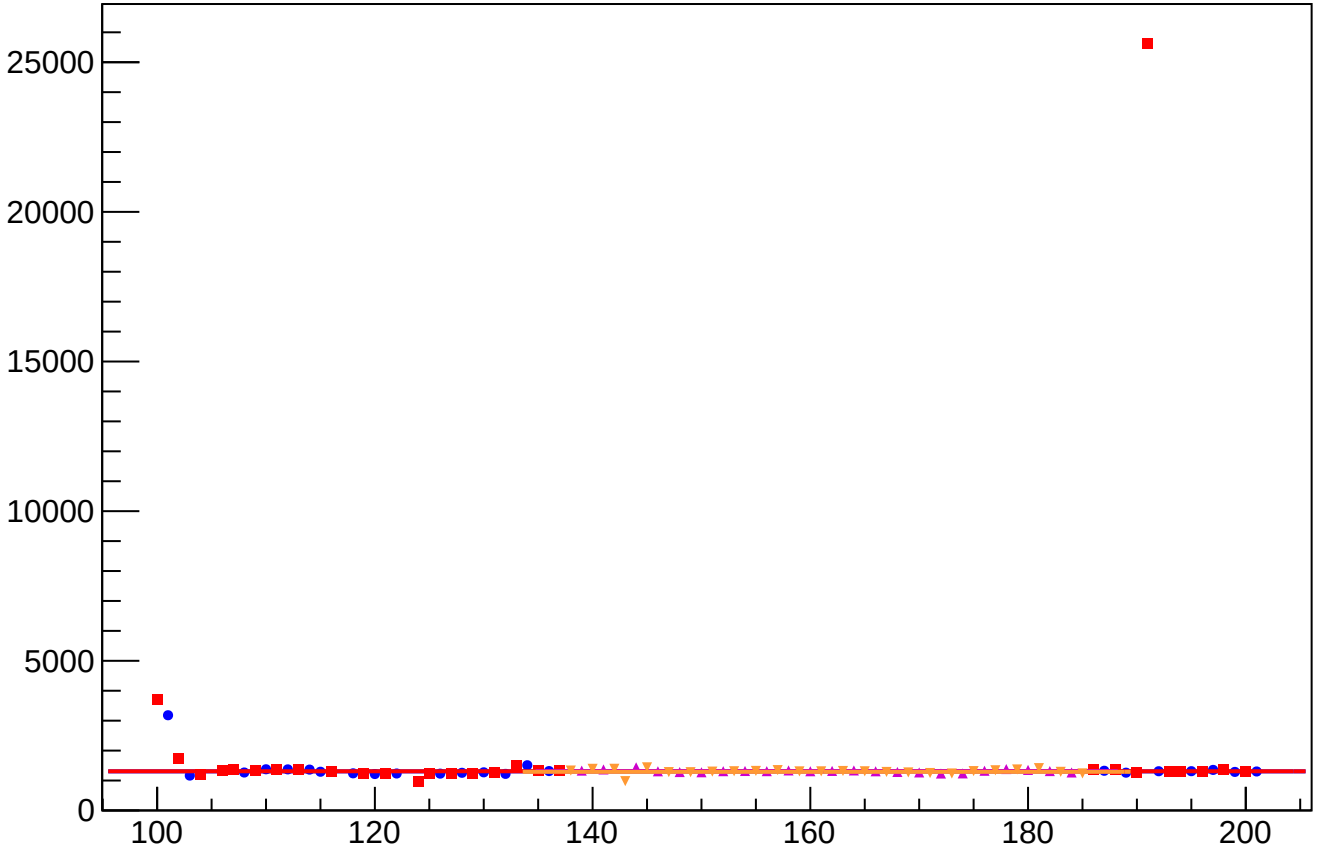
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 168.027+/-231.668 χ^2/NDF: 62.7/47

All: 217.772+/-164.685 χ^2/NDF: 105.7/98

- sign 268.589+/-234.153 χ^2/NDF: 42.9/50

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

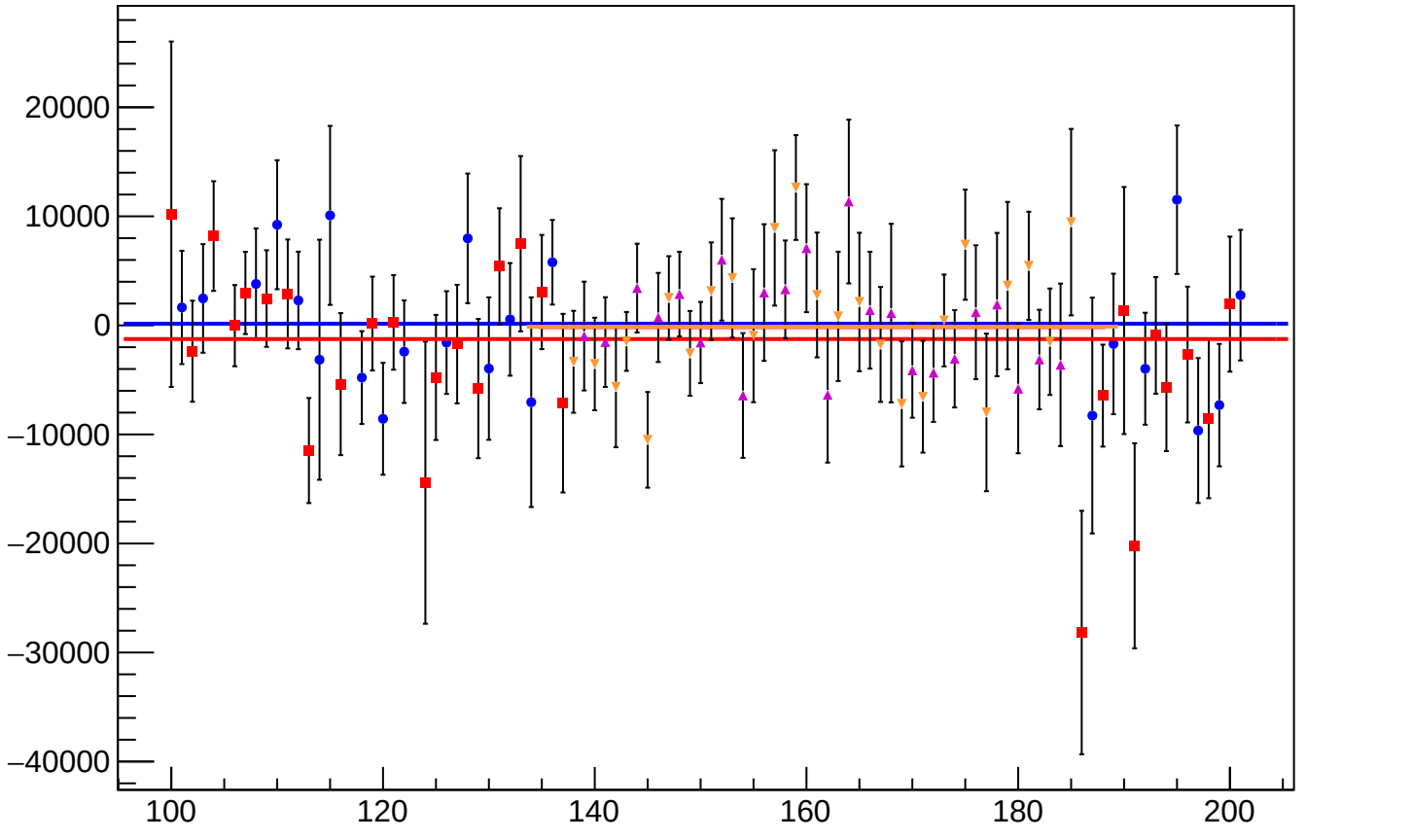
Right Out: 1309.511+/-0.256 χ^2/NDF: 363196.7/27

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.656+/-0.164 χ^2/NDF: 747151.1/47

All: 1304.309+/-0.116 χ^2/NDF: 1157985.7/98

- sign 1312.125+/-0.166 χ^2/NDF: 406423.0/50



Right In: 153.858+/-1160.926 χ^2/NDF: 22.7/22

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

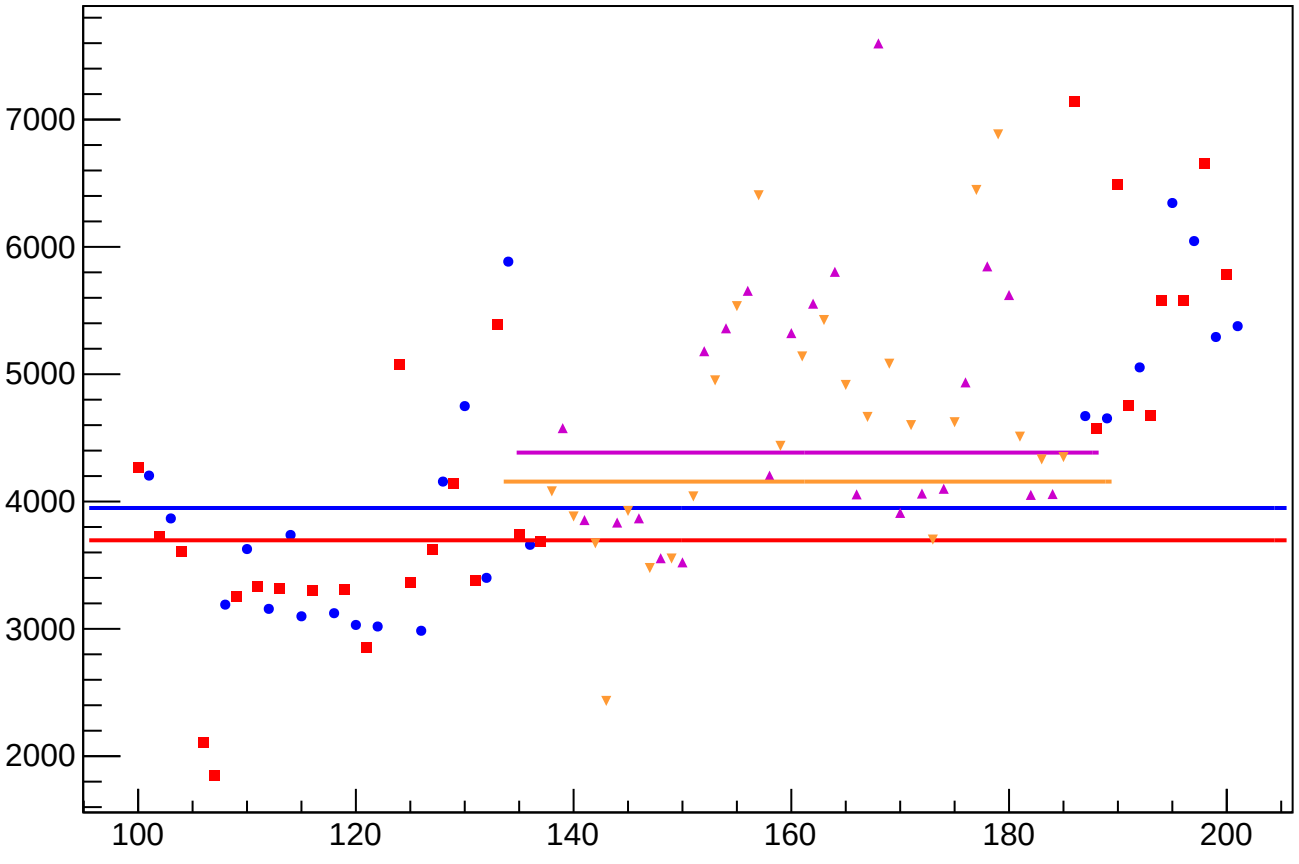
Right Out: -1253.713+/-1052.768 χ^2/NDF: 30.9/27

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -10.682+/-747.619 χ^2/NDF: 51.3/47

All: -359.426+/-526.592 χ^2/NDF: 97.0/98

- sign -702.799+/-741.840 χ^2/NDF: 45.3/50



Right In: 3949.266+/-0.821 χ^2/NDF: 1389439.6/22

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

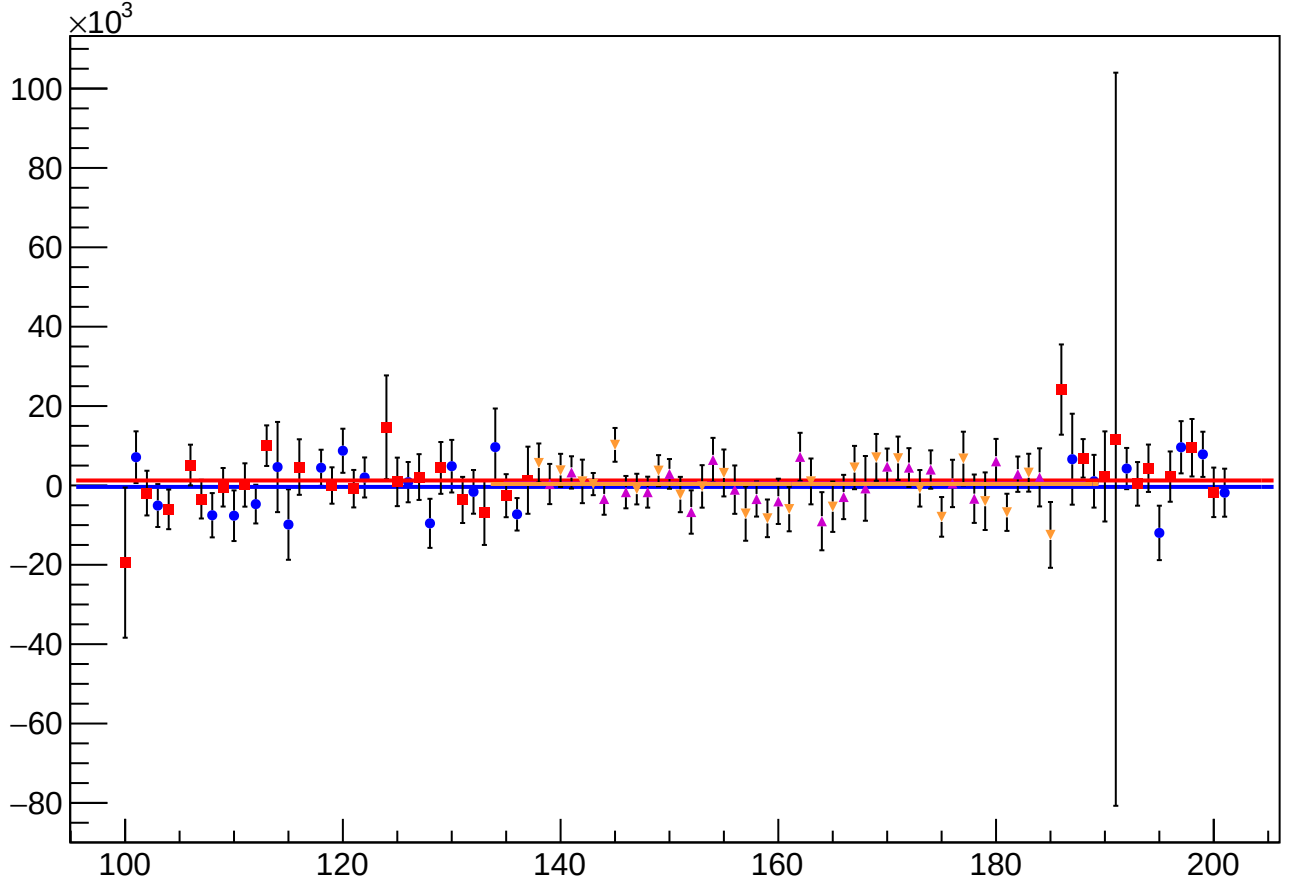
Right Out: 3695.485+/-0.744 χ^2/NDF: 2545757.0/27

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4070.608+/-0.529 χ^2/NDF: 3507540.2/47

All: 4056.339+/-0.372 χ^2/NDF: 7741310.9/98

- sign 4042.289+/-0.525 χ^2/NDF: 4232324.8/50



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: 1246.727+/-1155.430 χ^2/NDF: 19.5/27

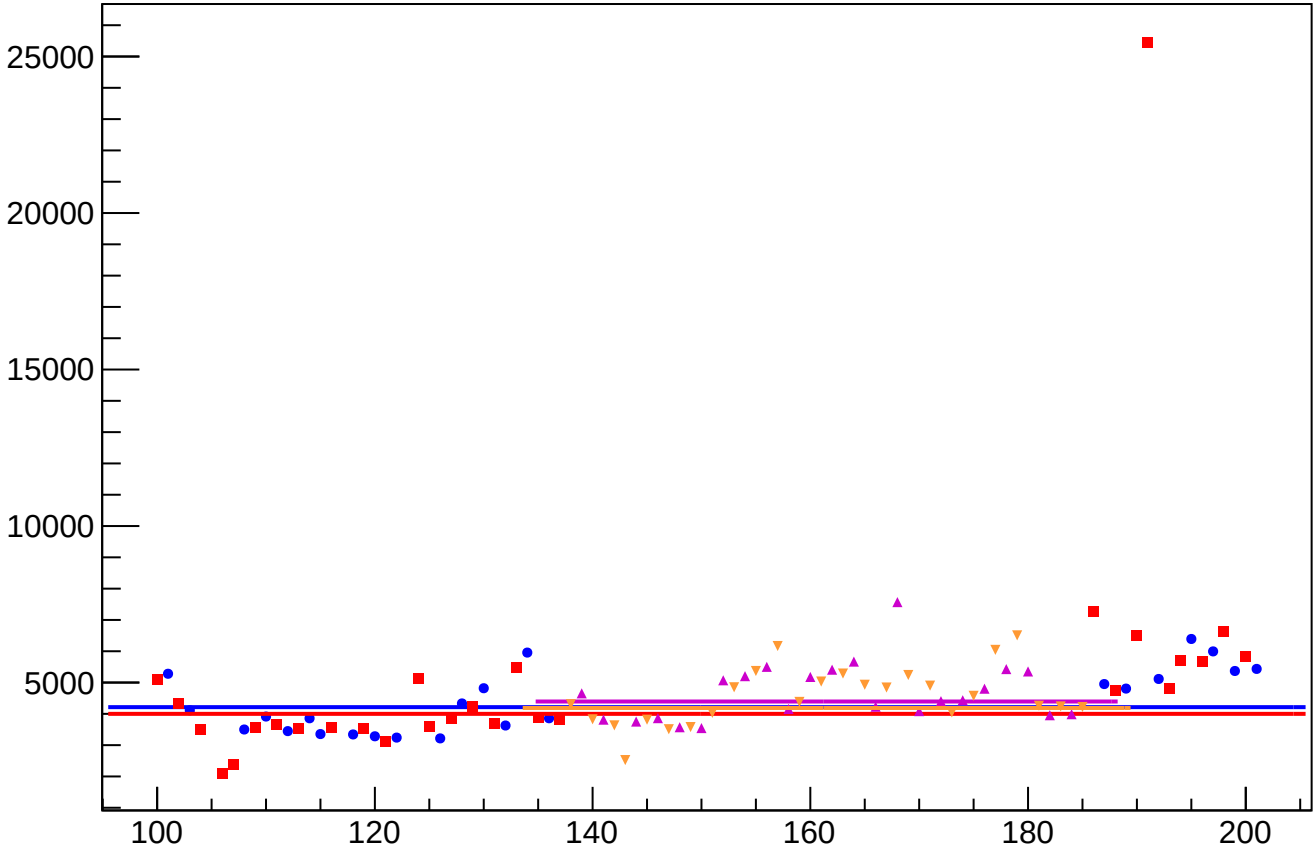
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 76.436+/-767.113 χ^2/NDF: 54.4/47

All: 451.641+/-545.168 χ^2/NDF: 88.5/98

- sign 834.516+/-774.915 χ^2/NDF: 33.6/50

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

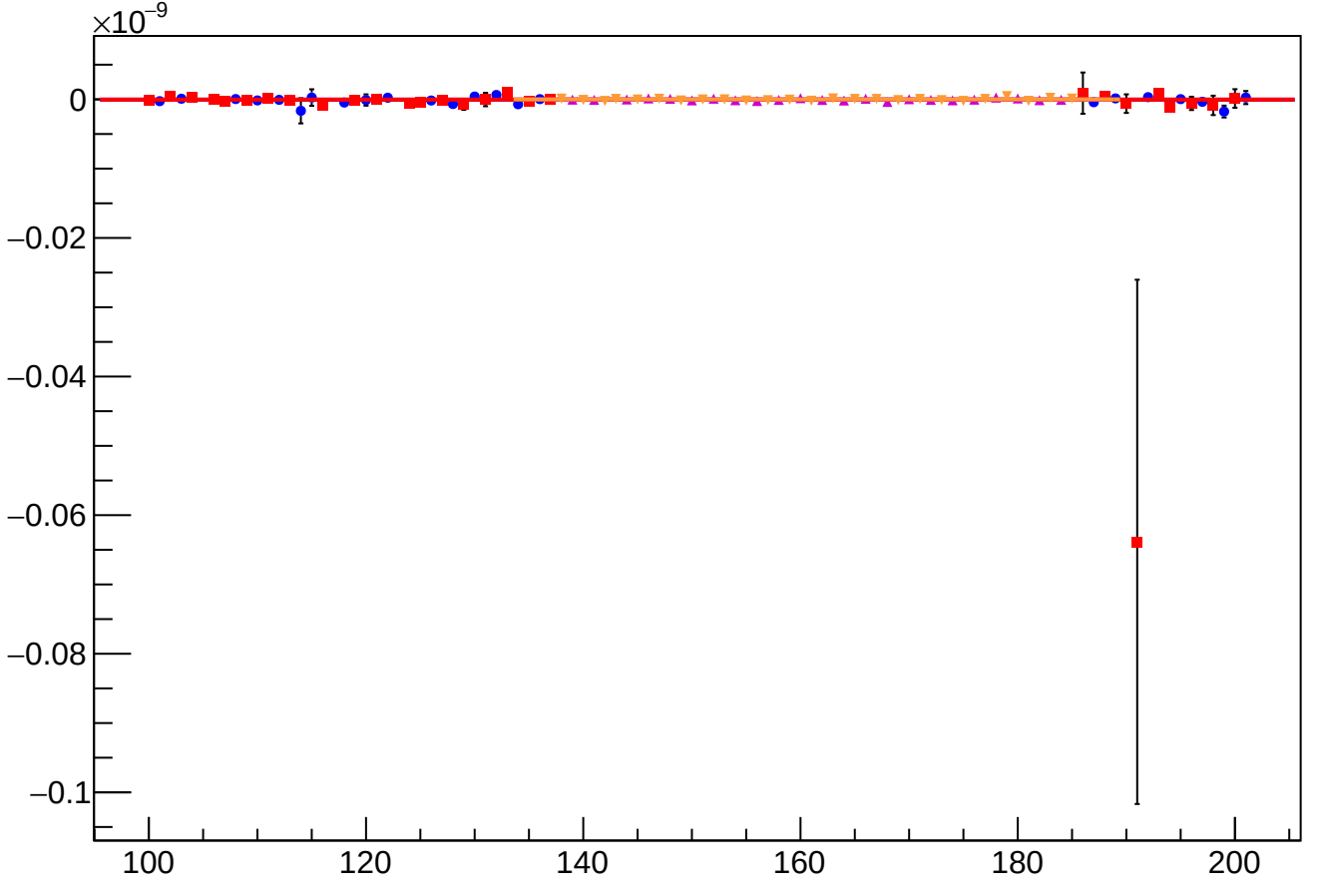
Right Out: 3999.814+/-0.809 χ^2/NDF: 2092827.0/27

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4197.991+/-0.542 χ^2/NDF: 2955675.7/47

All: 4206.379+/-0.385 χ^2/NDF: 6267119.9/98

- sign 4214.859+/-0.545 χ^2/NDF: 3310963.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

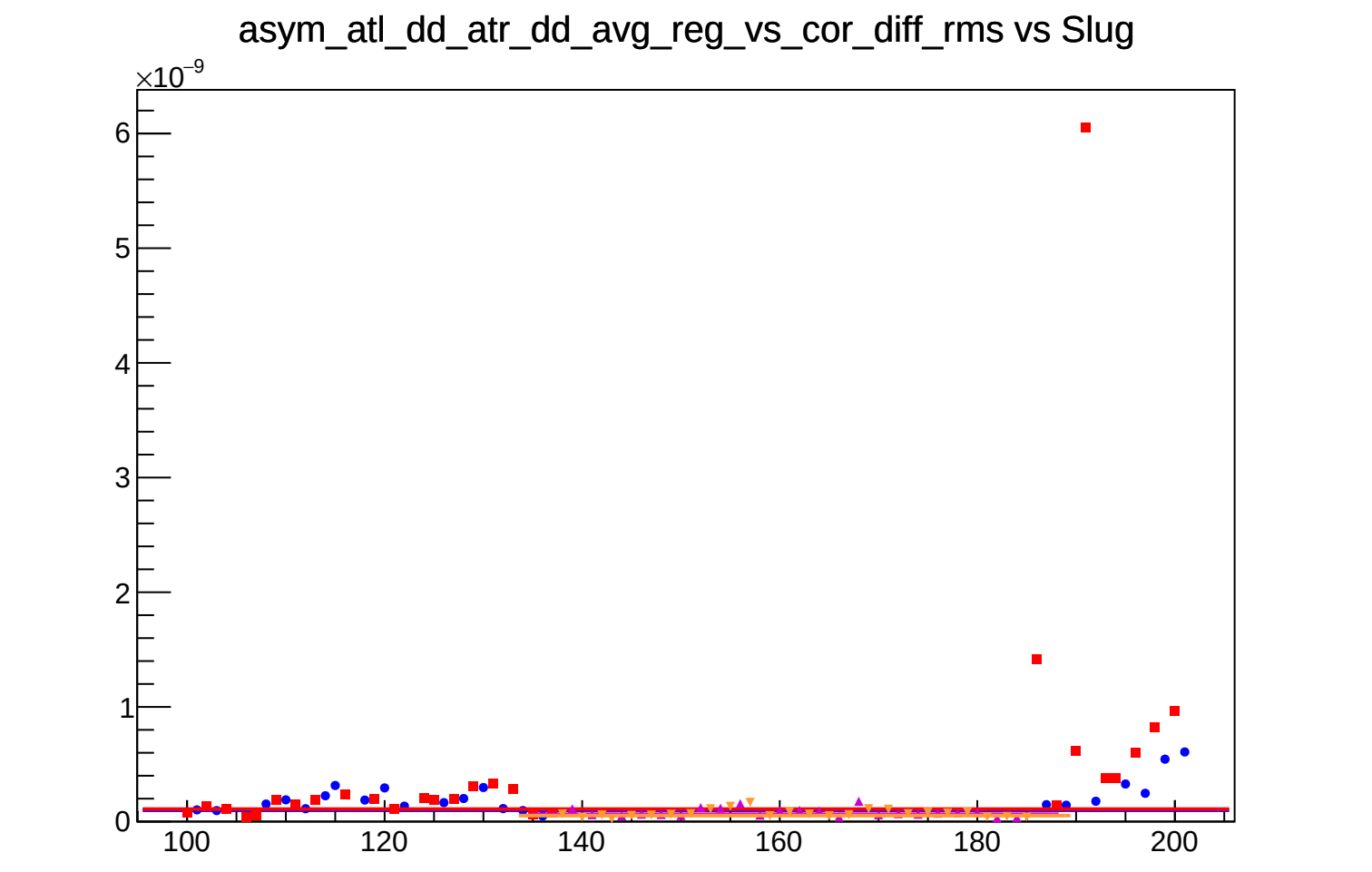
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/27

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

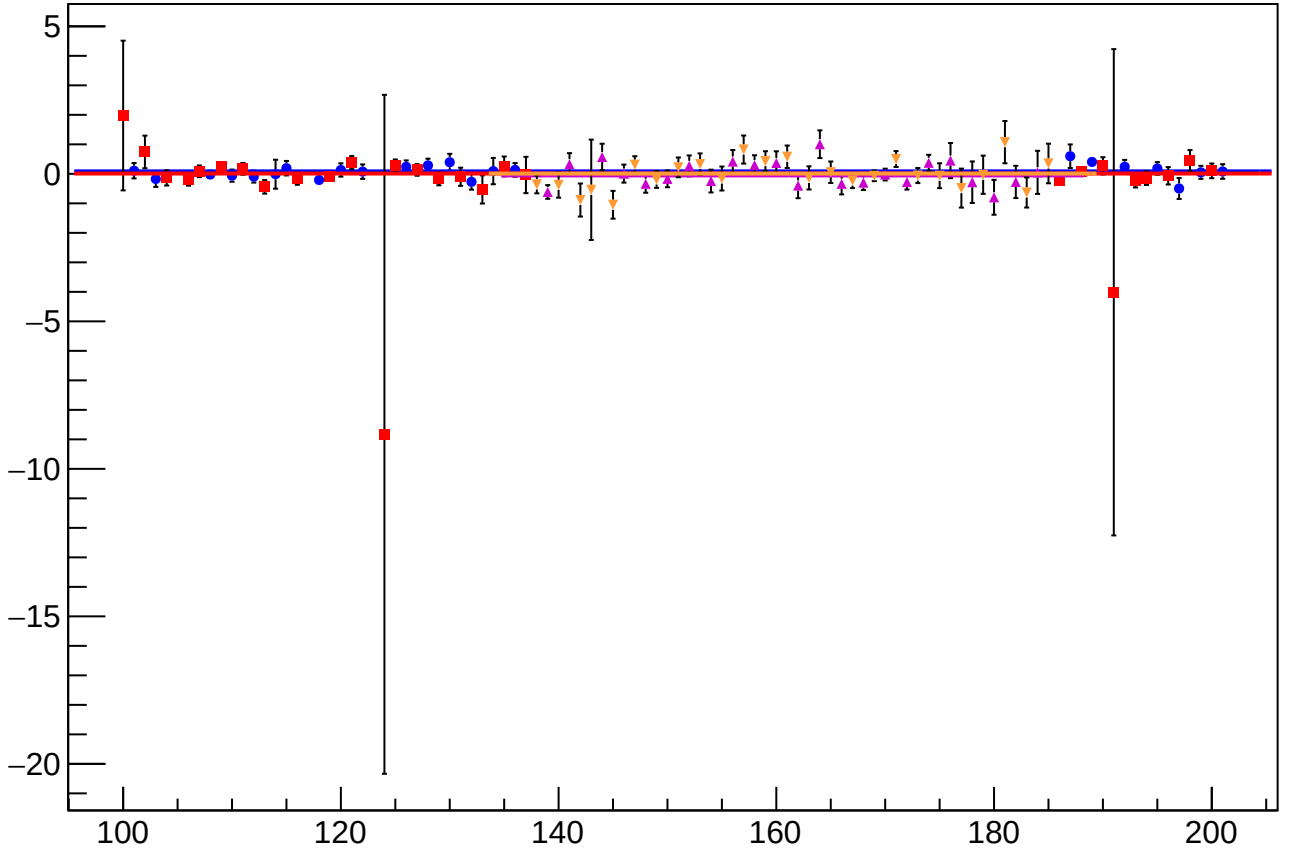
+ sign -0.000+/-0.000 χ^2/NDF: 53.4/47

All: -0.000+/-0.000 χ^2/NDF: 97.2/98

- sign -0.000+/-0.000 χ^2/NDF: 43.5/50


asym_atl_dd_atr_dd_avg_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: 5105723.8/27
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: 14998140.8/98
- sign 0.000+/-0.000 χ²/NDF: 7822444.8/50

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

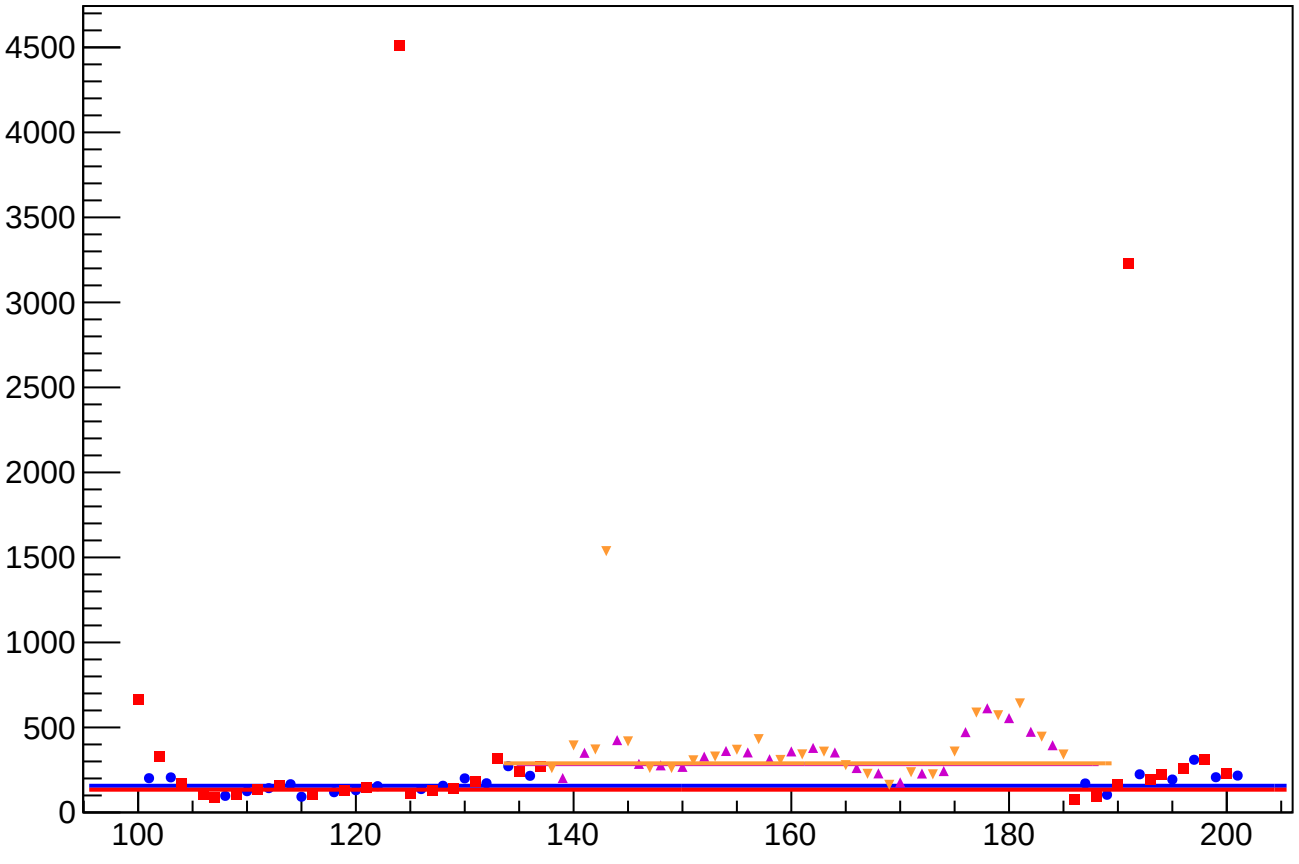
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.024+/-0.027 χ^2/NDF: 108.5/98

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

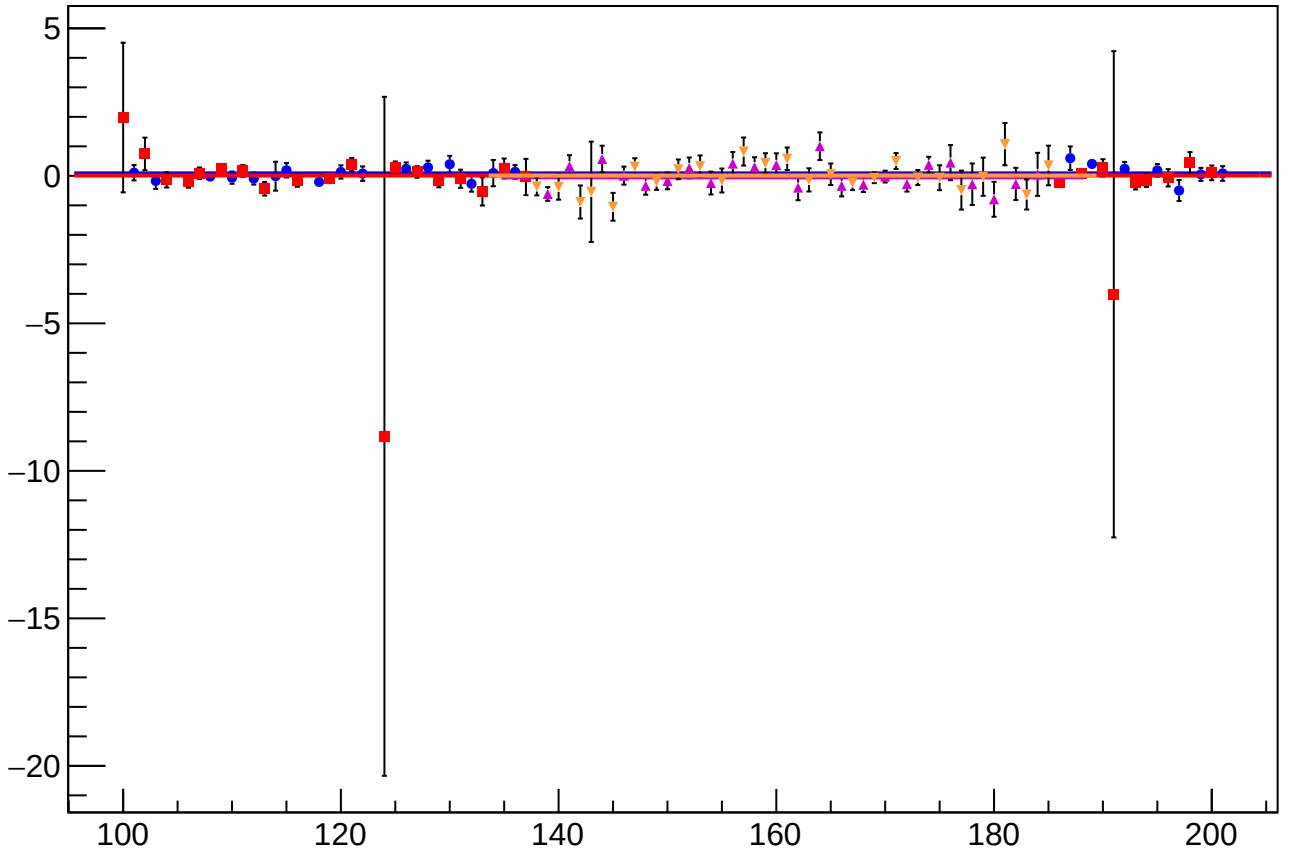
Right Out: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.268+/-0.028 χ^2/NDF: 11517156.9/47

All: 184.017+/-0.019 χ^2/NDF: 26100436.7/98

- sign 172.519+/-0.025 χ^2/NDF: 14118584.0/50



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

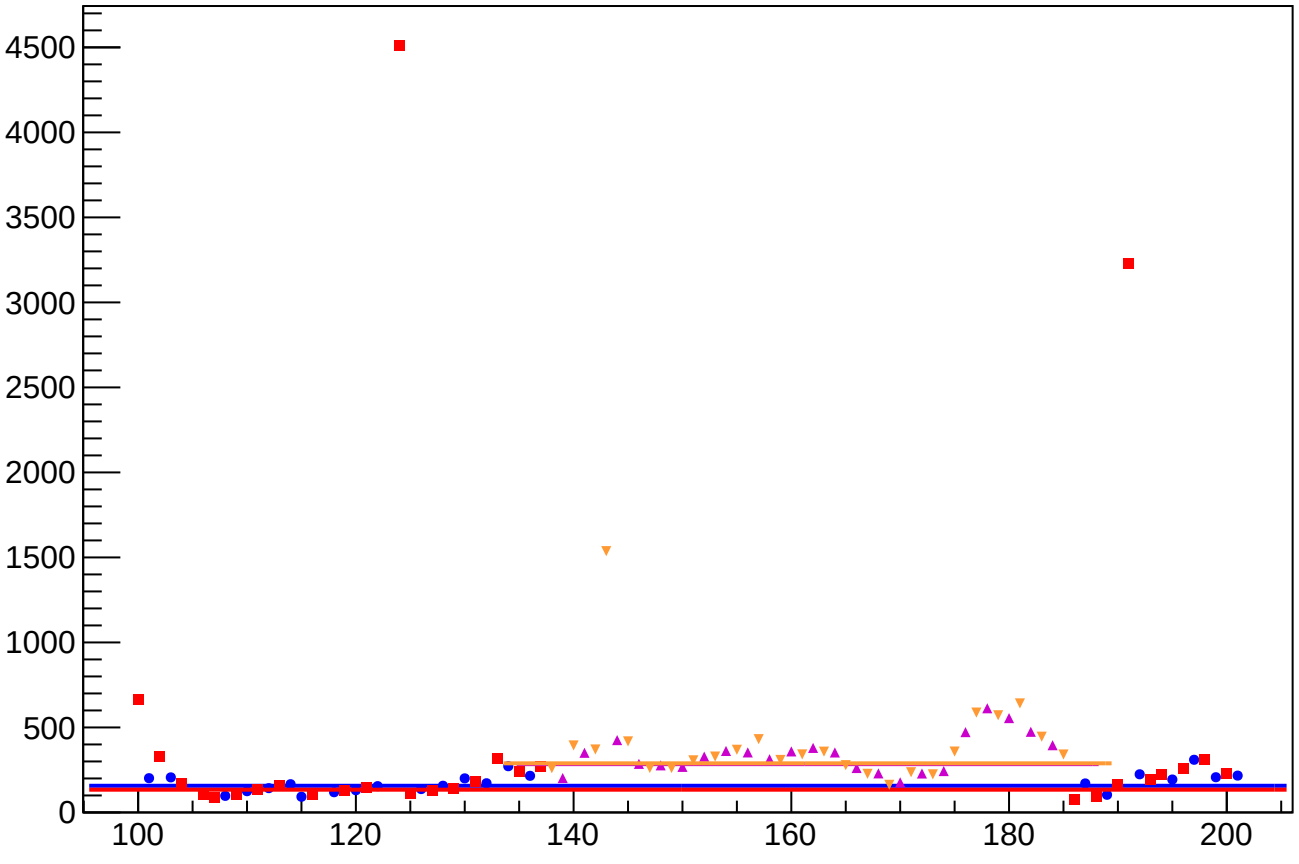
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.024+/-0.027 χ^2/NDF: 108.5/98

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

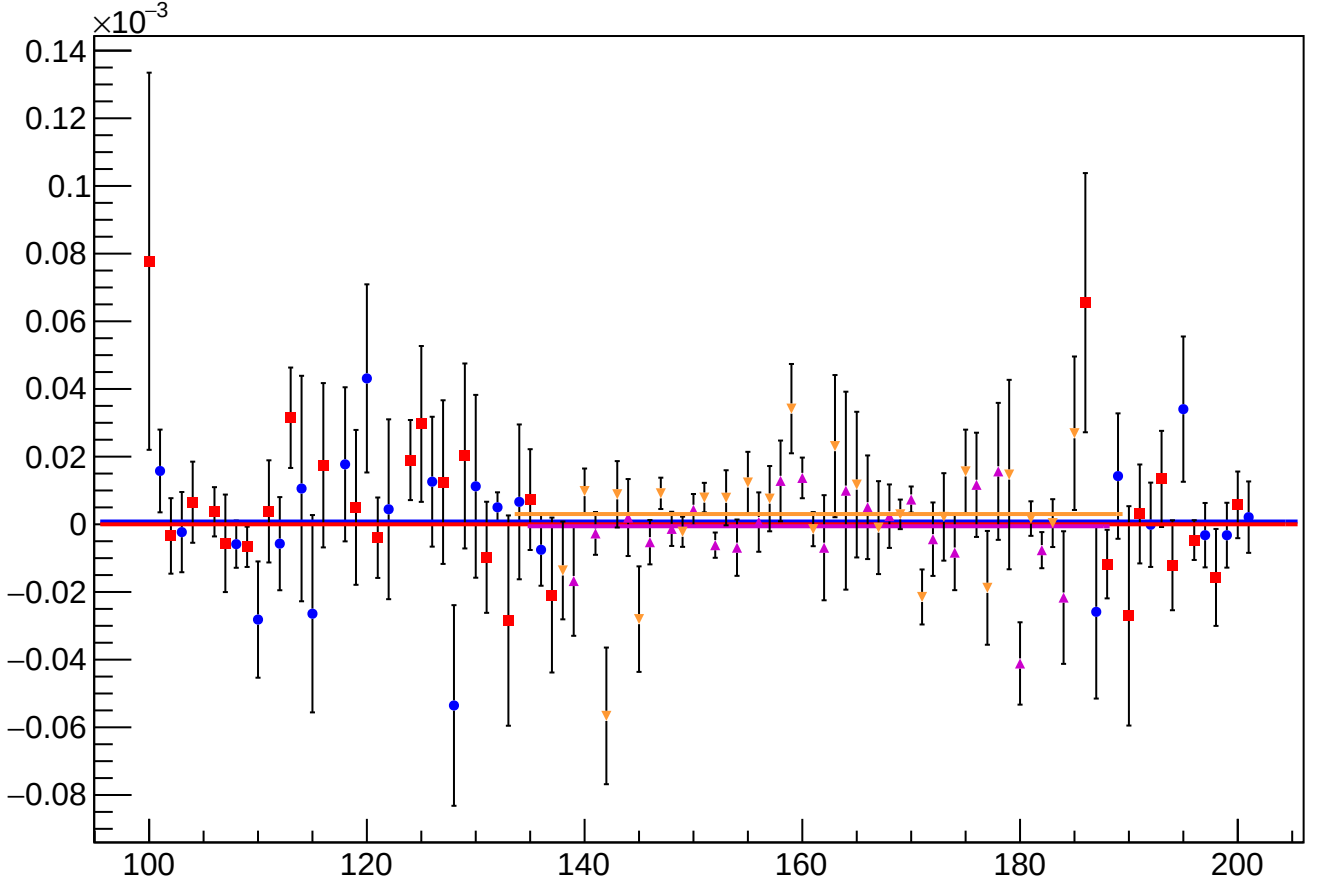
Right Out: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.268+/-0.028 χ^2/NDF: 11517156.9/47

All: 184.017+/-0.019 χ^2/NDF: 26100436.7/98

- sign 172.519+/-0.025 χ^2/NDF: 14118584.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

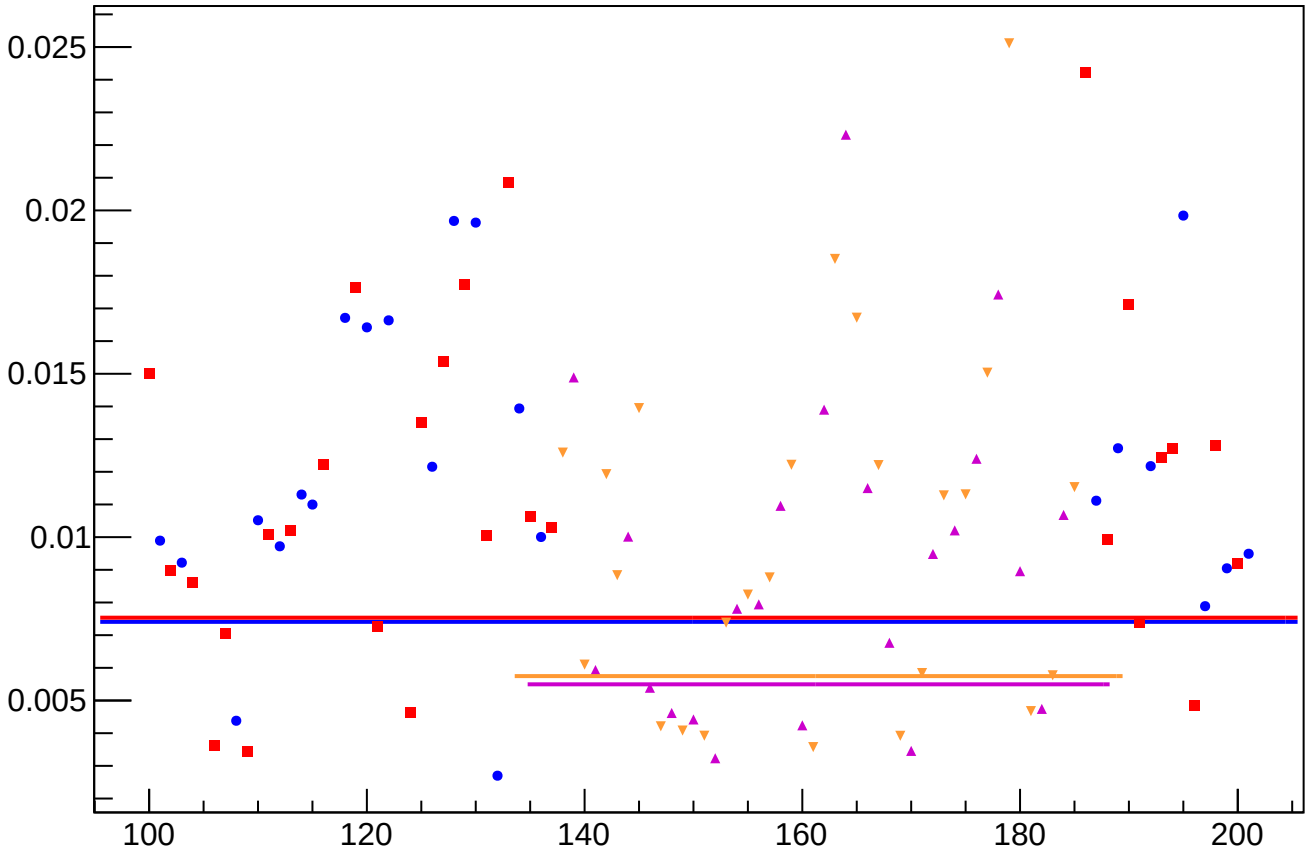
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/27

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: 123.2/98

- sign -0.000+/-0.000 χ^2/NDF: 58.7/50



Right In: 0.007+/-0.000 χ^2/NDF: 6200078.3/22

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

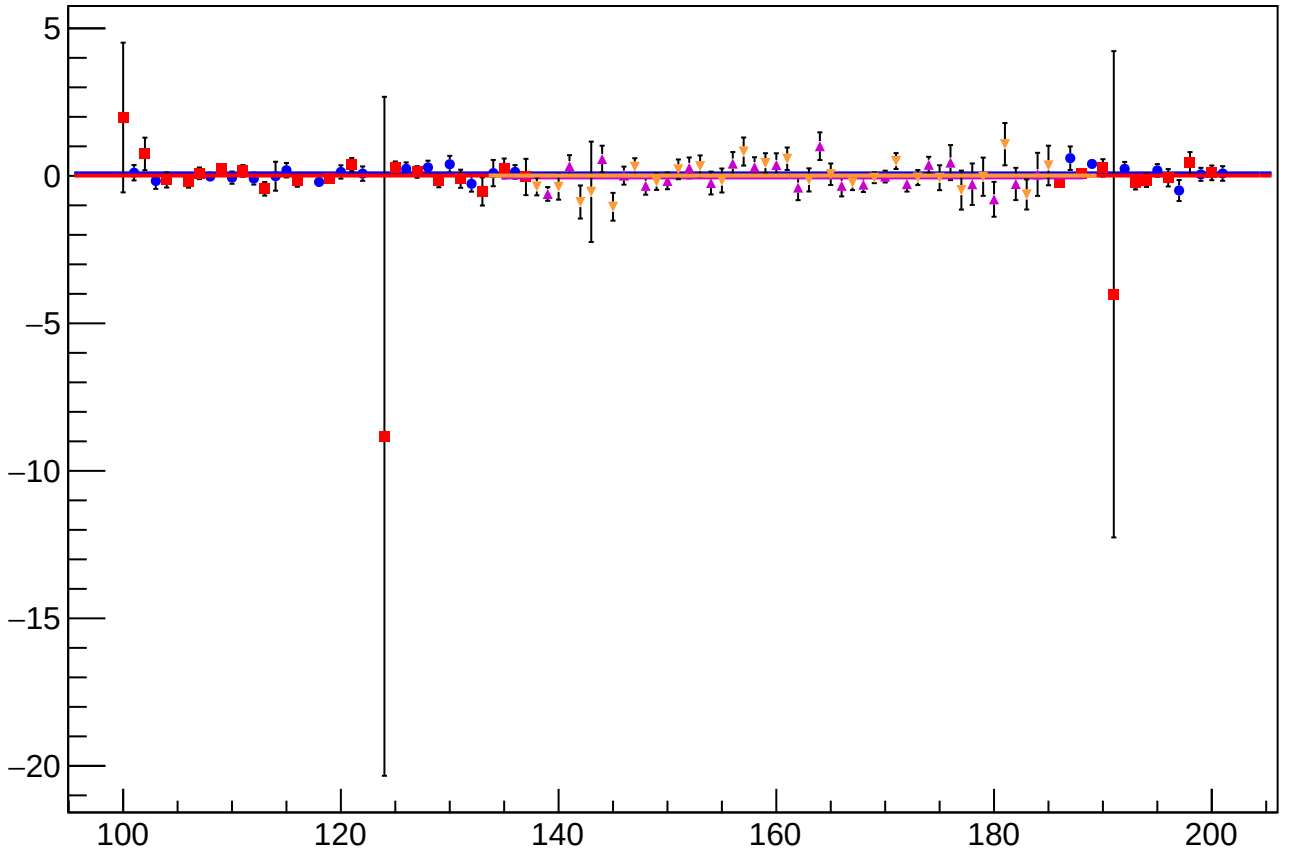
Right Out: 0.008+/-0.000 χ^2/NDF: 5435339.6/27

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: 28416040.9/98

- sign 0.006+/-0.000 χ^2/NDF: 13435395.8/50



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

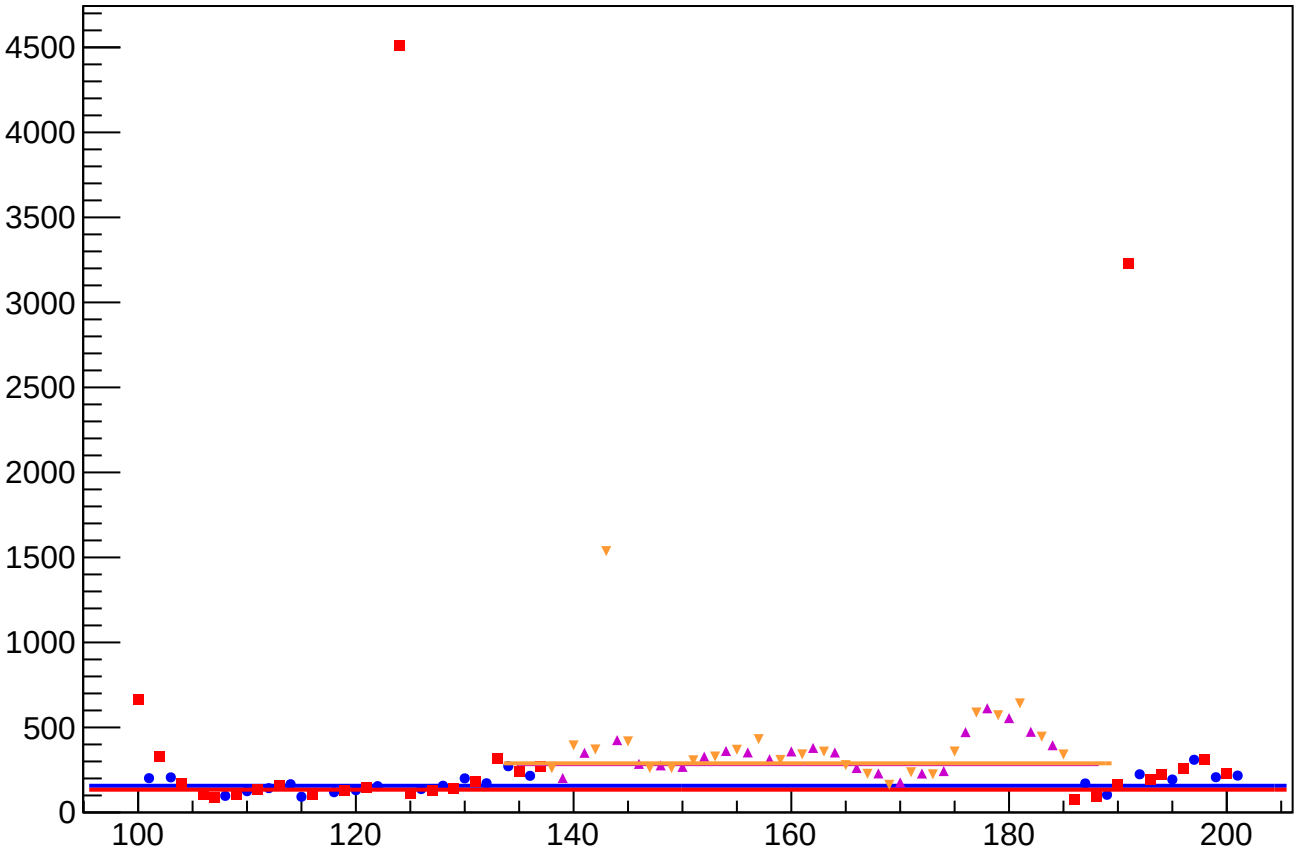
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.024+/-0.027 χ^2/NDF: 108.5/98

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



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: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

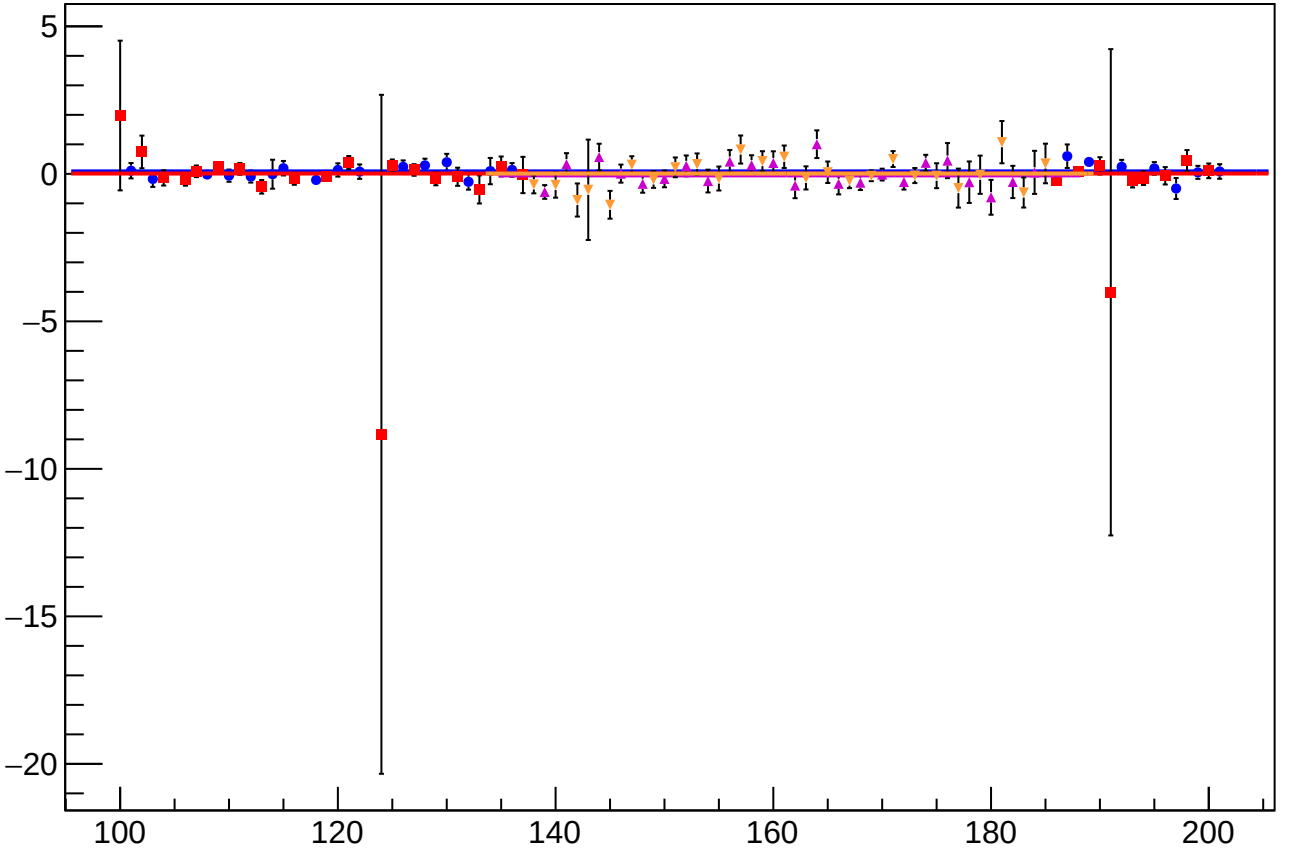
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.267+/-0.028 χ^2/NDF: 11517375.6/47

All: 184.018+/-0.019 χ^2/NDF: 26100369.7/98

- sign 172.521+/-0.025 χ^2/NDF: 14118391.2/50

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_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

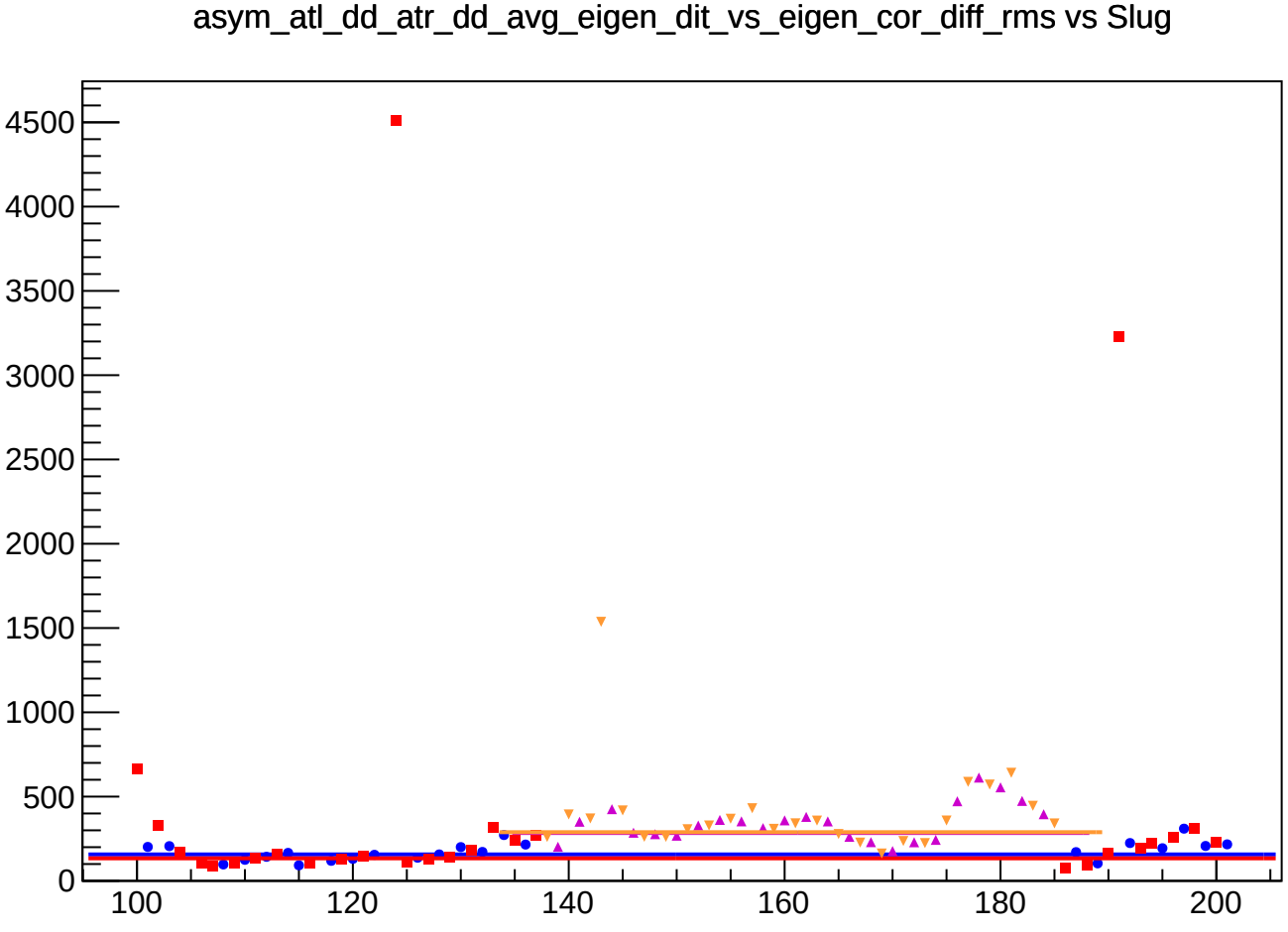
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

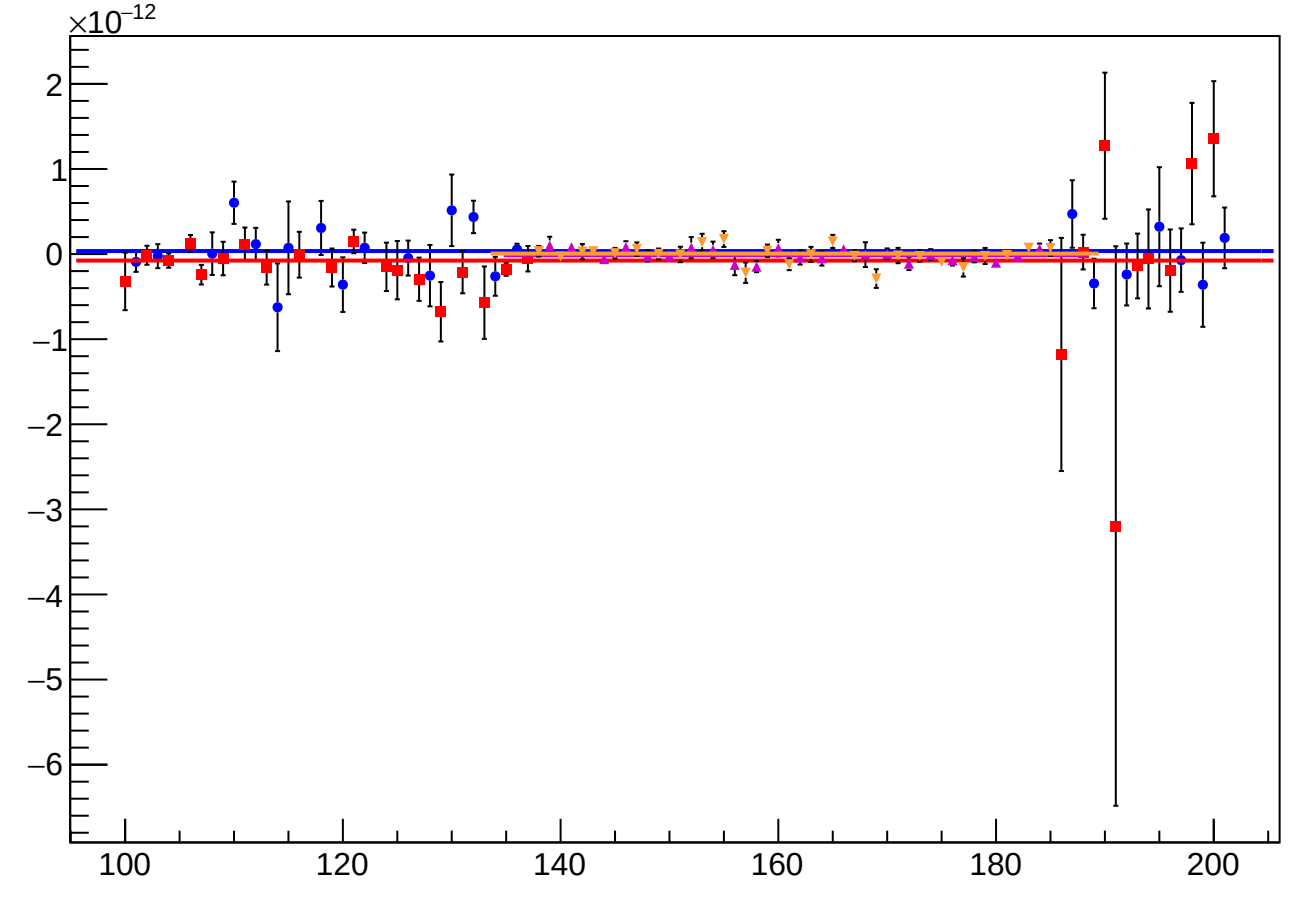
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.024+/-0.027 χ^2/NDF: 108.5/98

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50


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: 133.893+/-0.029 χ²/NDF: 4271141.2/27
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 198.267+/-0.028 χ²/NDF: 11517375.6/47
All: 184.018+/-0.019 χ²/NDF: 26100369.7/98
- sign 172.521+/-0.025 χ²/NDF: 14118391.2/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

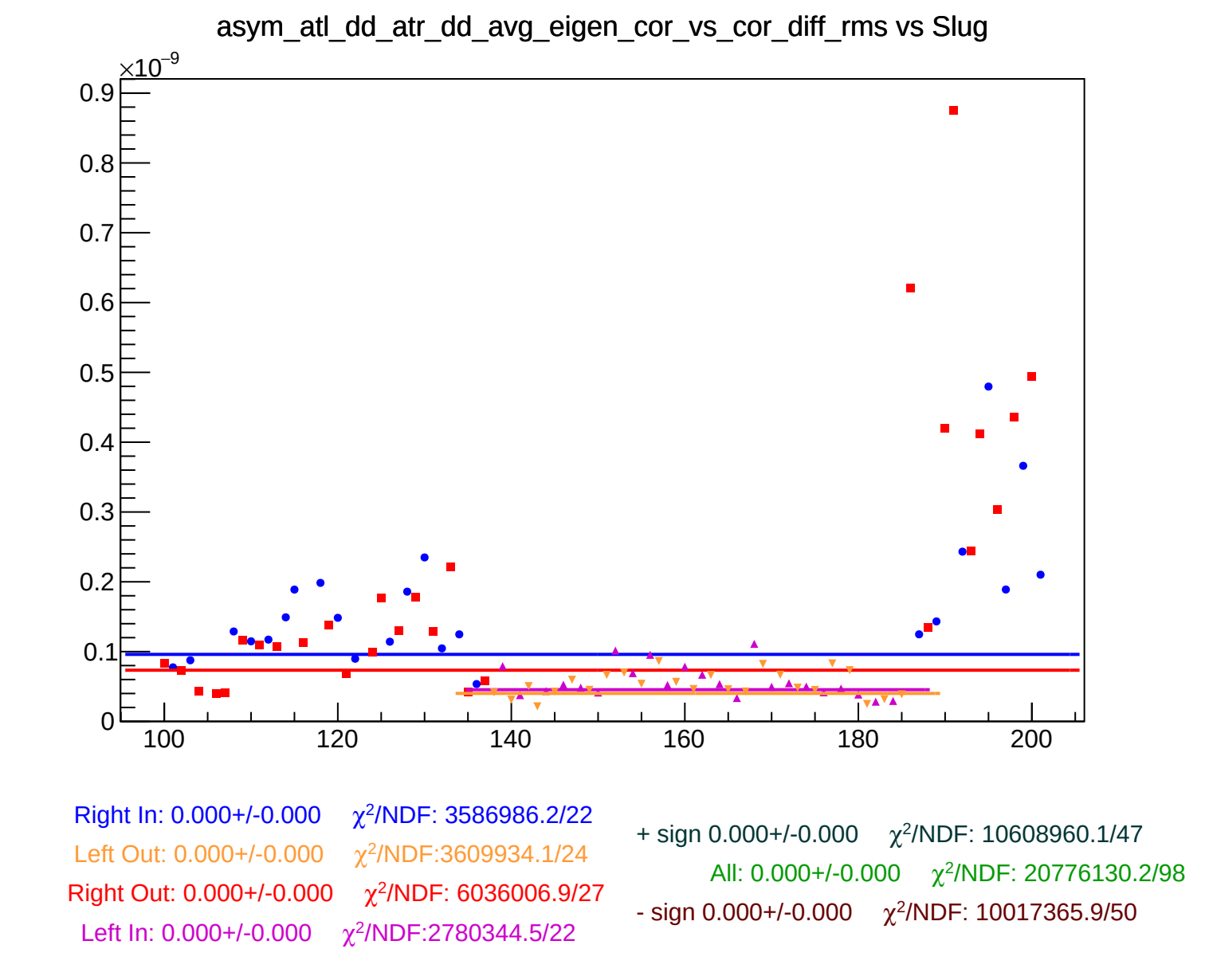
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/27

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

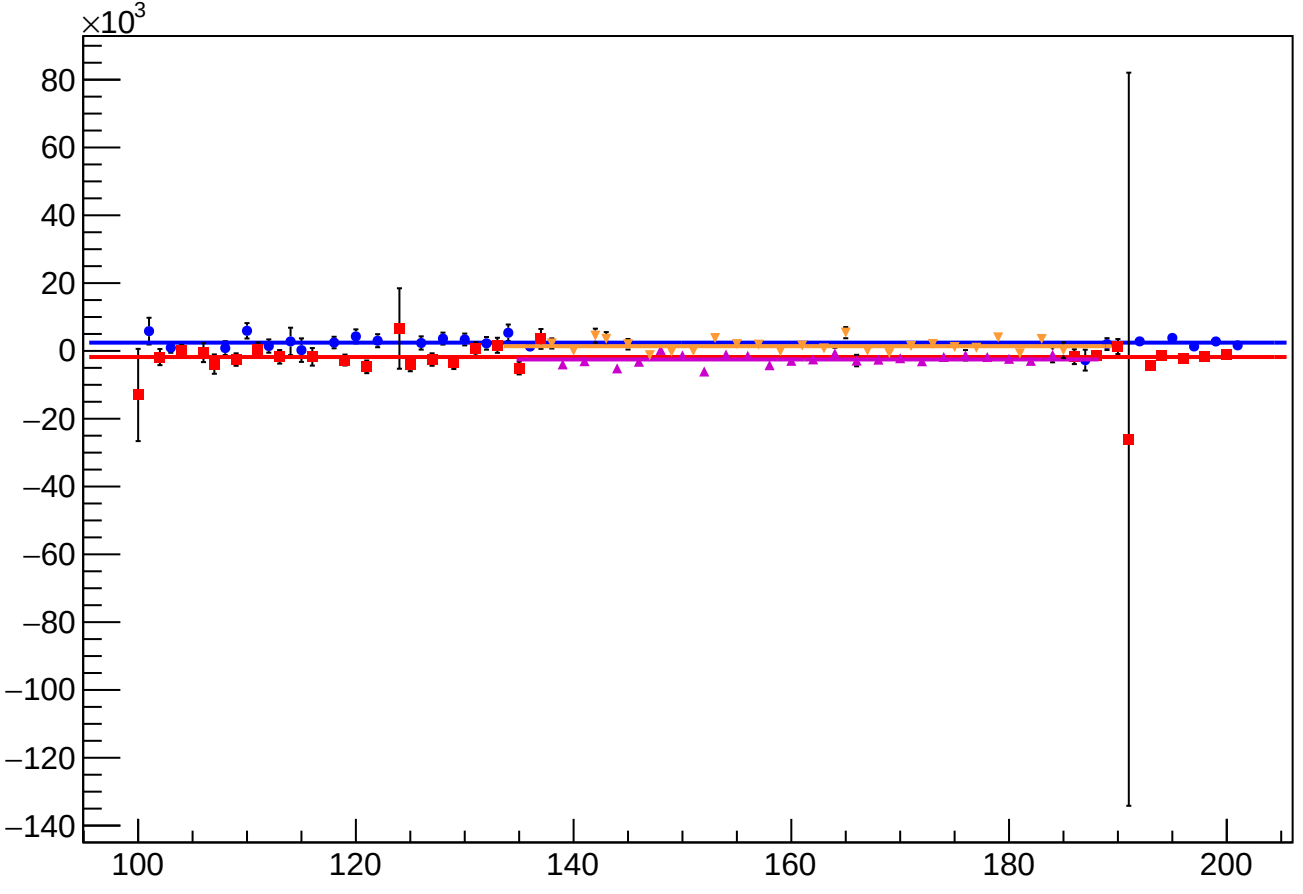
+ sign 0.000+/-0.000 χ^2/NDF: 58.2/47

All: -0.000+/-0.000 χ^2/NDF: 117.3/98

- sign -0.000+/-0.000 χ^2/NDF: 55.8/50


asym_atl_dd_atr_dd_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: 3586986.2/22
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6036006.9/27
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: 20776130.2/98
- sign 0.000+/-0.000 χ²/NDF: 10017365.9/50

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: -1802.359+/-365.004 χ^2/NDF: 24.9/27

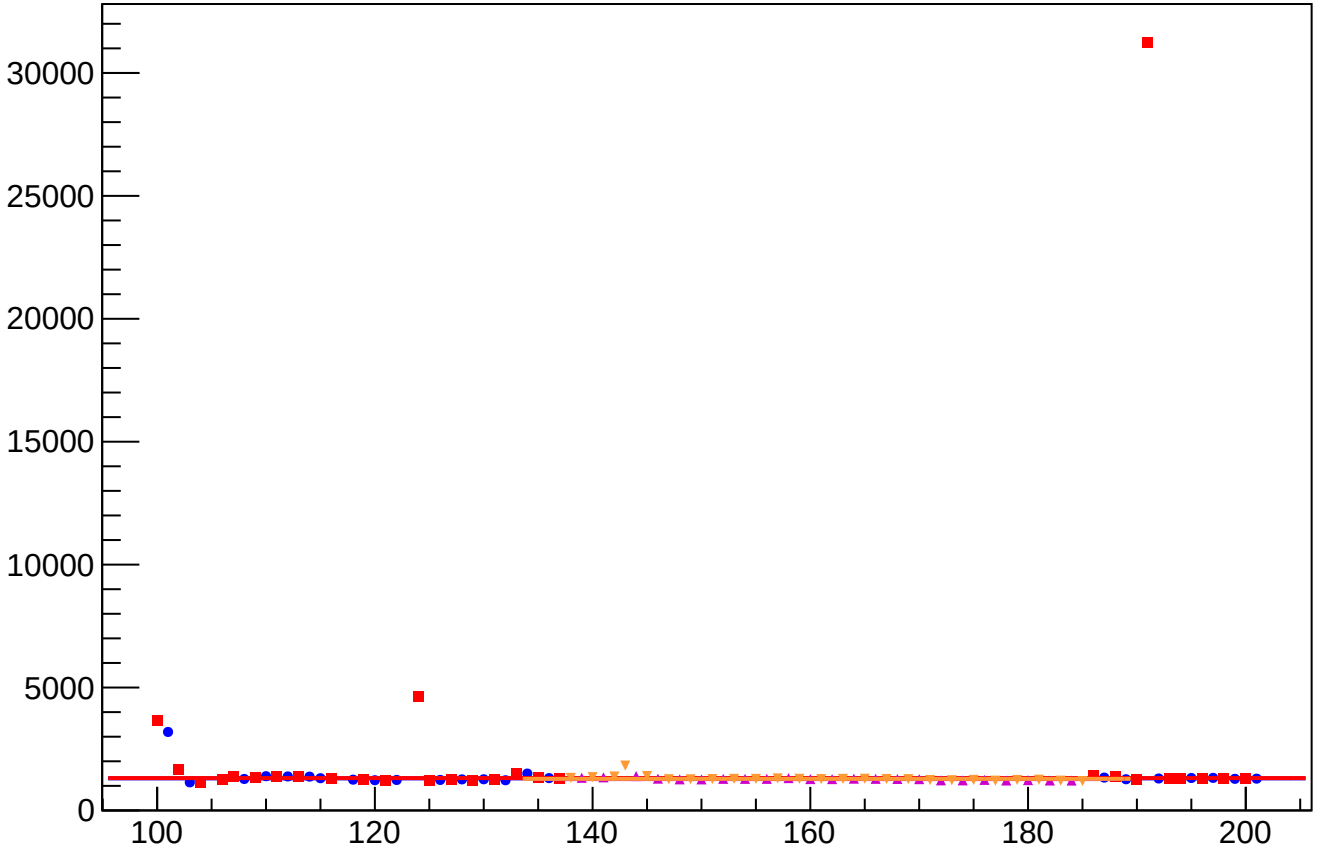
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1783.106+/-230.906 χ^2/NDF: 51.8/47

All: -224.900+/-163.267 χ^2/NDF: 252.7/98

- sign -2232.481+/-230.882 χ^2/NDF: 49.7/50

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

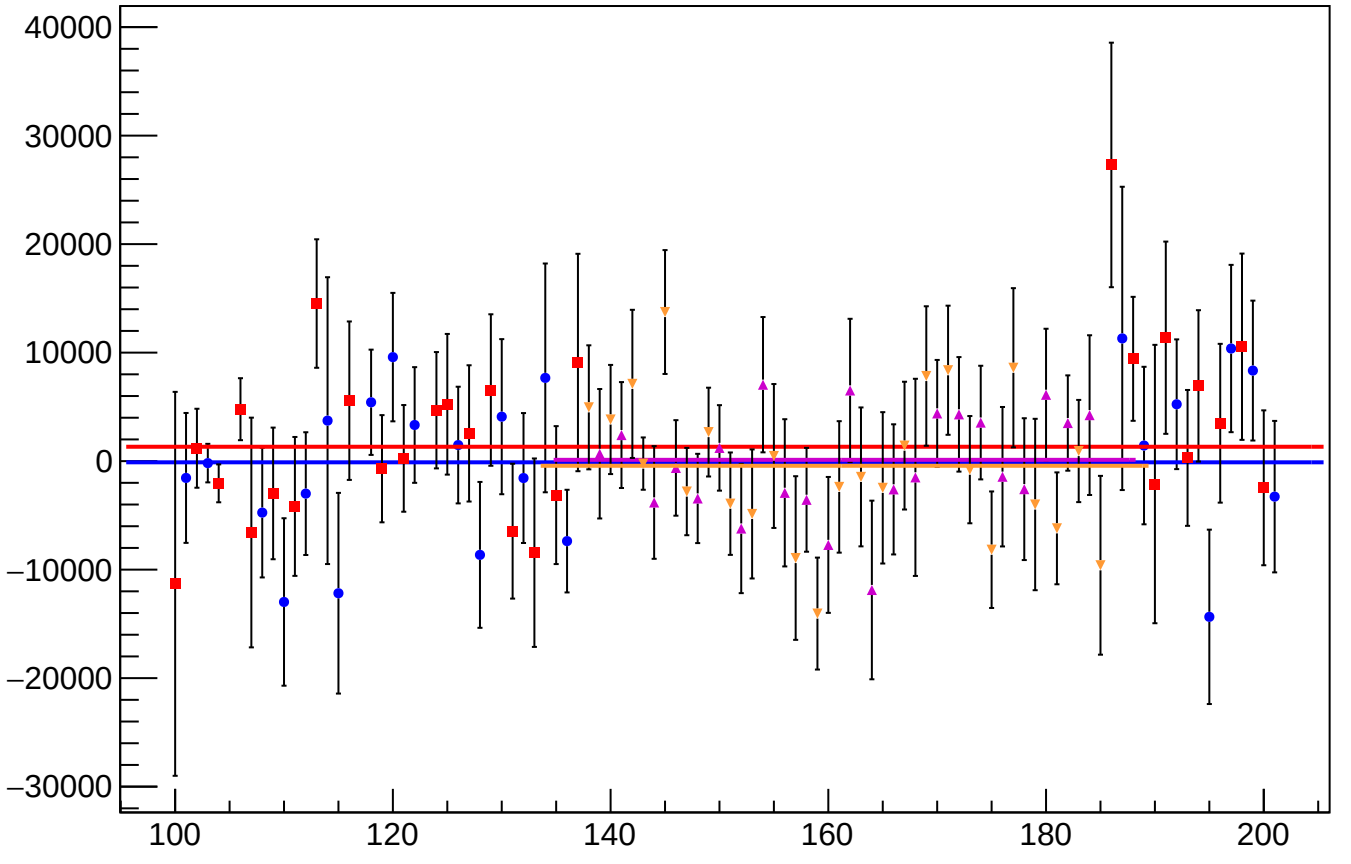
Right Out: 1317.051+/-0.258 χ^2/NDF: 488853.7/27

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.944+/-0.163 χ^2/NDF: 712824.6/47

All: 1292.681+/-0.115 χ^2/NDF: 1258328.8/98

- sign 1292.418+/-0.163 χ^2/NDF: 545499.0/50



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: 1324.905+/-974.516 χ^2/NDF: 29.2/27

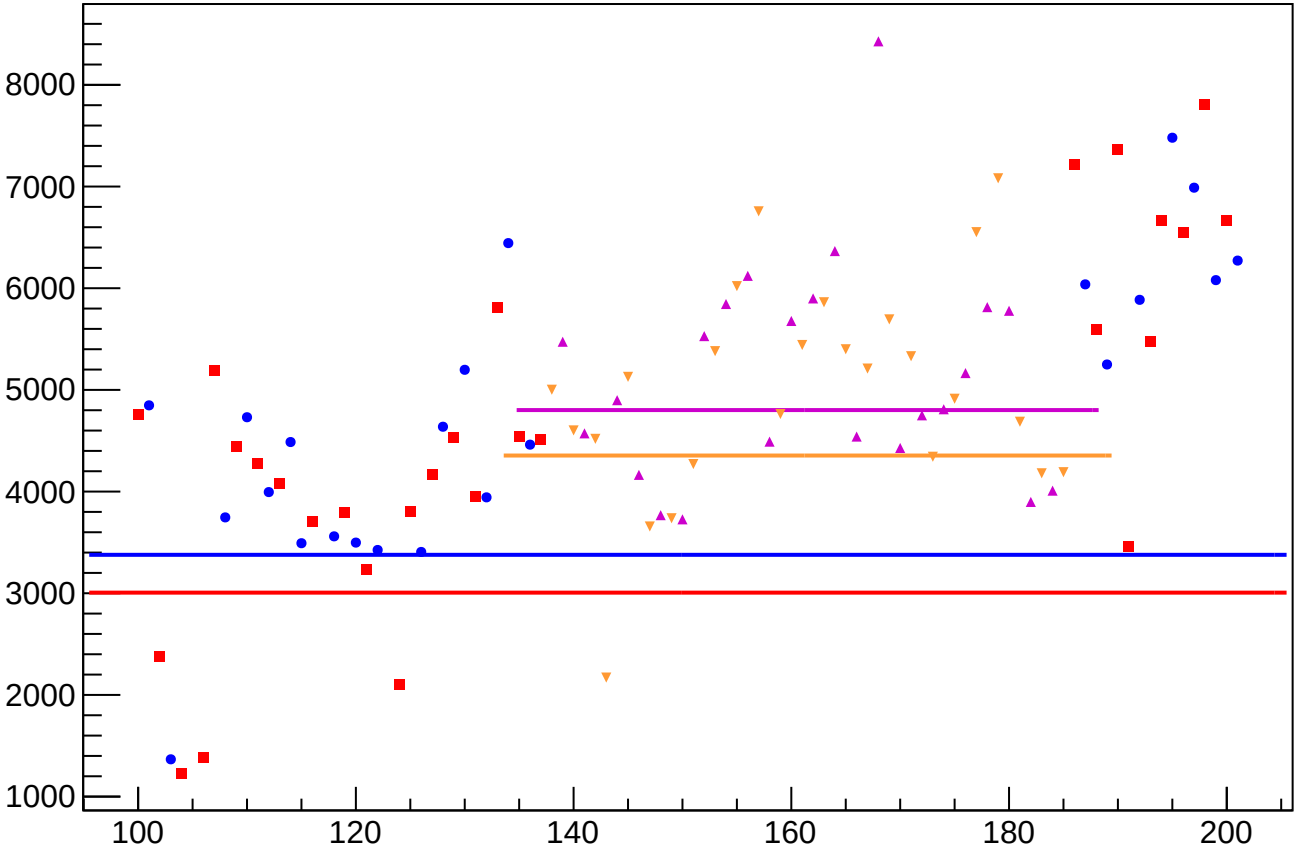
Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -277.727+/-753.818 χ^2/NDF: 53.2/47

All: 278.926+/-528.814 χ^2/NDF: 97.7/98

- sign 818.311+/-742.034 χ^2/NDF: 43.4/50

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



Right In: 3377.949+/-0.775 χ^2/NDF: 5502691.9/22

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

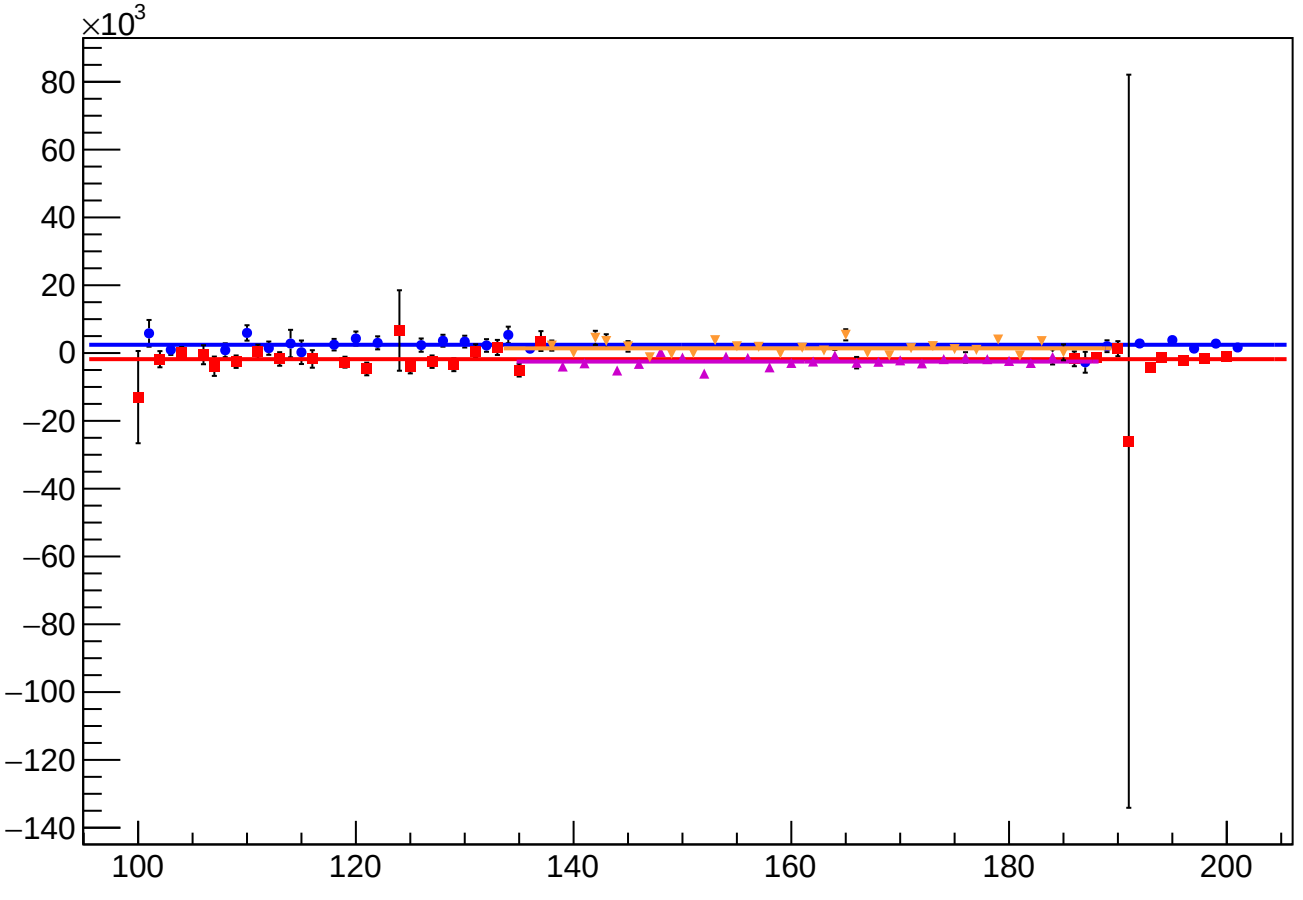
Right Out: 3006.056+/-0.689 χ^2/NDF: 7289927.9/27

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3892.956+/-0.533 χ^2/NDF: 9410786.5/47

All: 3825.711+/-0.374 χ^2/NDF: 20816915.5/9

- sign 3760.553+/-0.525 χ^2/NDF: 11374792.3/50



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: -1802.228+/-365.004 χ^2/NDF: 24.9/27

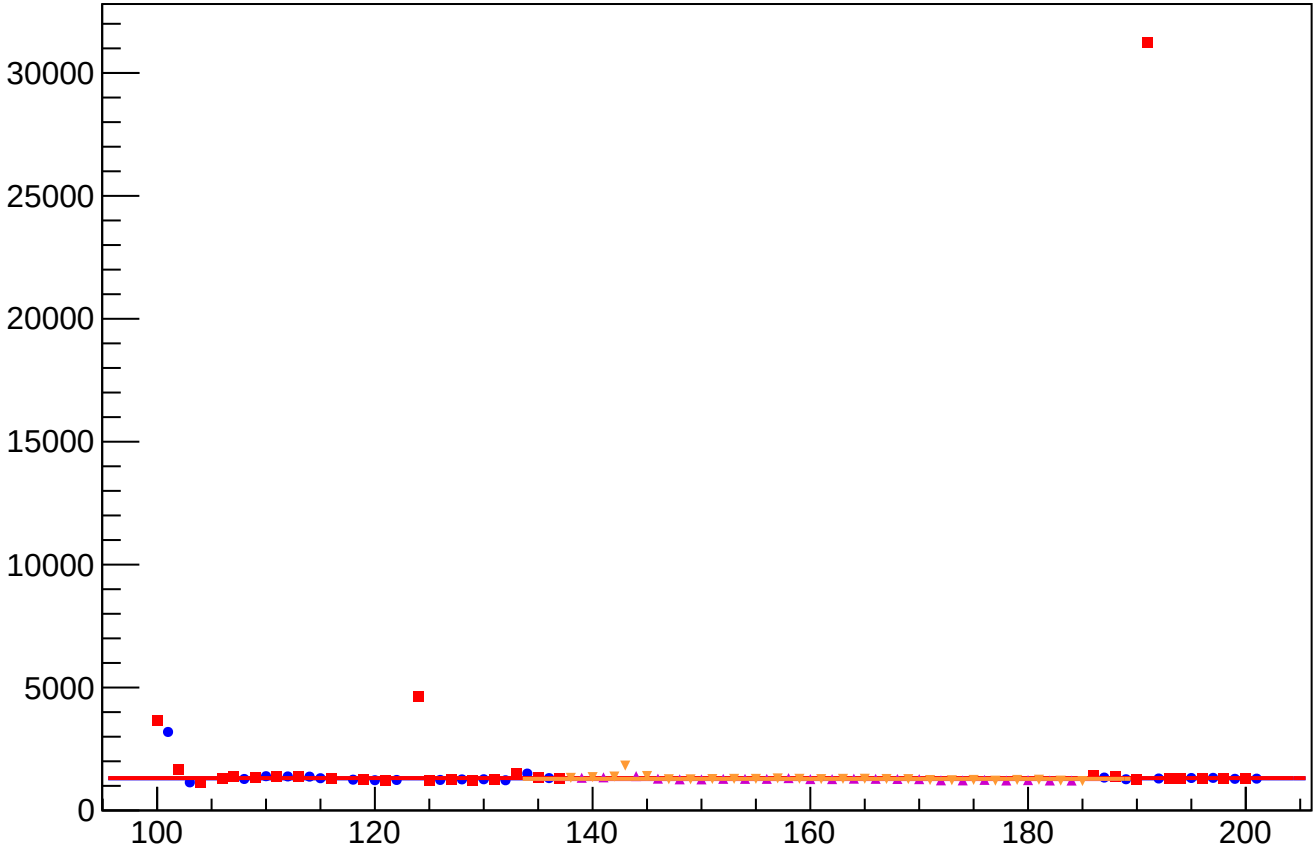
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1783.029+/-230.906 χ^2/NDF: 51.8/47

All: -224.913+/-163.267 χ^2/NDF: 252.7/98

- sign -2232.429+/-230.882 χ^2/NDF: 49.7/50

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

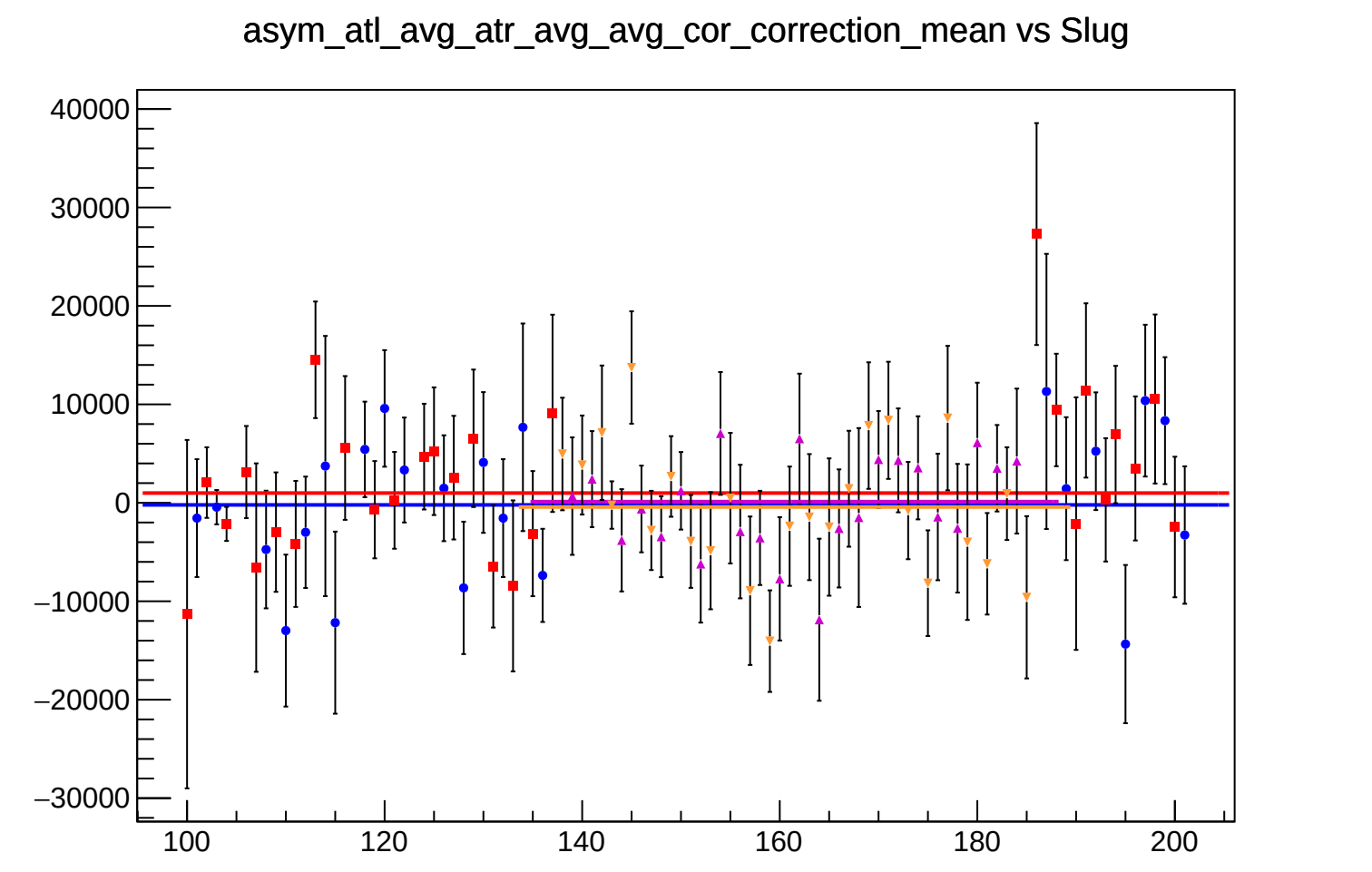
Right Out: 1317.667+/-0.258 χ^2/NDF: 488345.7/27

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.943+/-0.163 χ^2/NDF: 712826.1/47

All: 1292.800+/-0.115 χ^2/NDF: 1258271.3/98

- sign 1292.657+/-0.163 χ^2/NDF: 545443.7/50



Right In: -212.528+/-1088.364 χ^2/NDF: 23.4/22

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

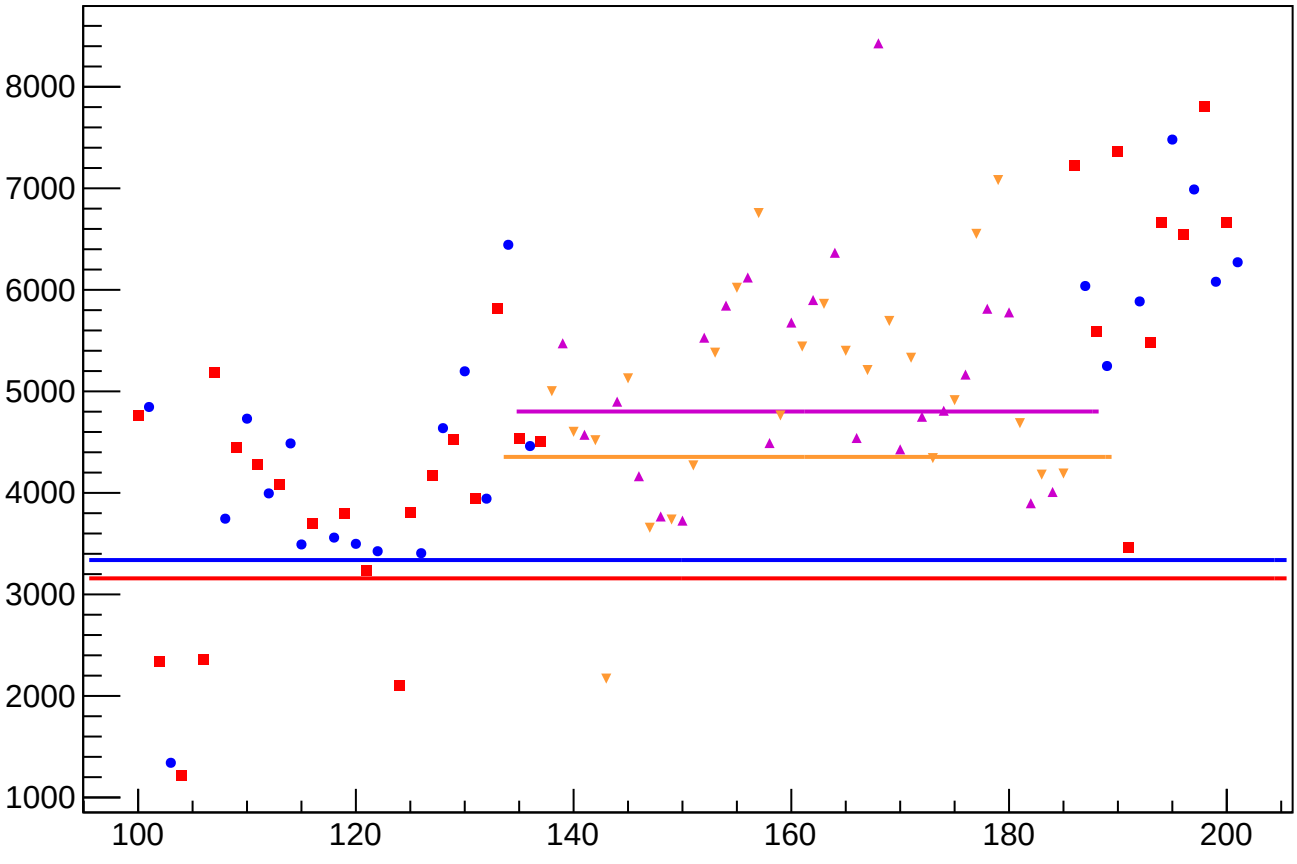
Right Out: 992.265+/-1007.873 χ^2/NDF: 28.1/27

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -325.636+/-751.164 χ^2/NDF: 53.2/47

All: 139.425+/-533.011 χ^2/NDF: 96.0/98

- sign 611.050+/-756.446 χ^2/NDF: 42.0/50



Right In: 3338.441+/-0.770 χ^2/NDF: 5667852.6/22

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

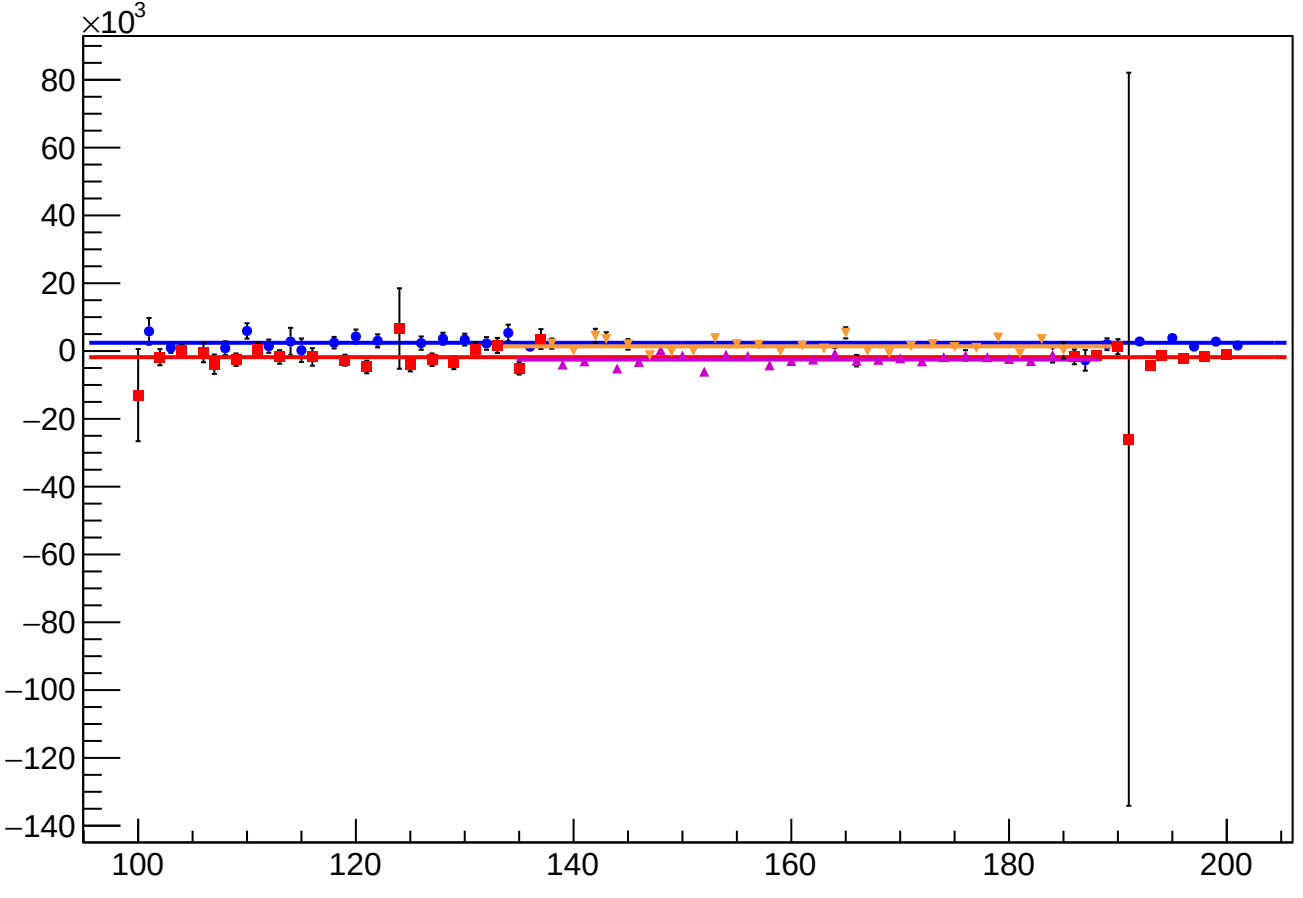
Right Out: 3158.221+/-0.713 χ^2/NDF: 6715425.6/27

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3870.511+/-0.531 χ^2/NDF: 9652177.8/47

All: 3873.167+/-0.377 χ^2/NDF: 19921511.7/9

- sign 3875.860+/-0.535 χ^2/NDF: 10269283.5/50



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: -1802.228+/-365.004 χ^2/NDF: 24.9/27

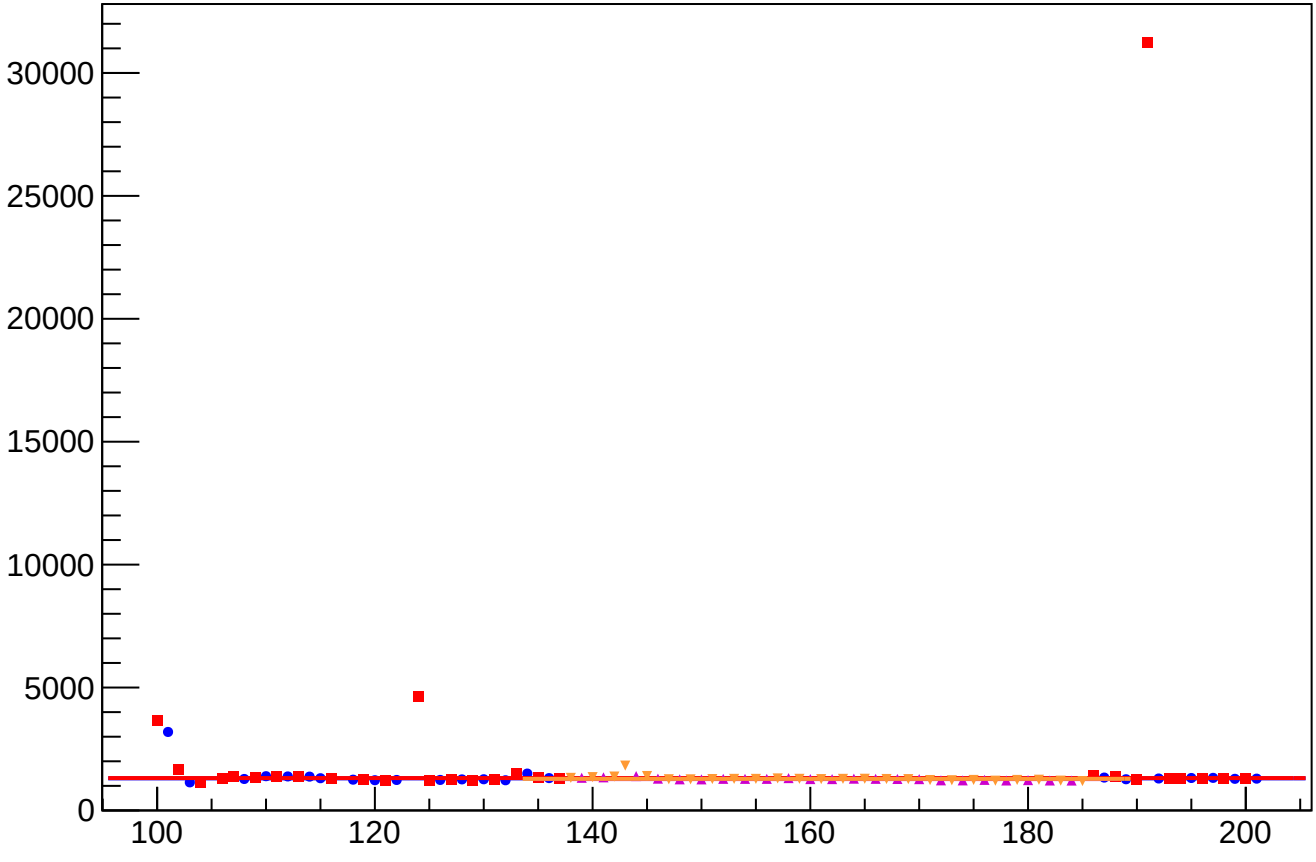
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1783.029+/-230.906 χ^2/NDF: 51.8/47

All: -224.913+/-163.267 χ^2/NDF: 252.7/98

- sign -2232.429+/-230.882 χ^2/NDF: 49.7/50

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

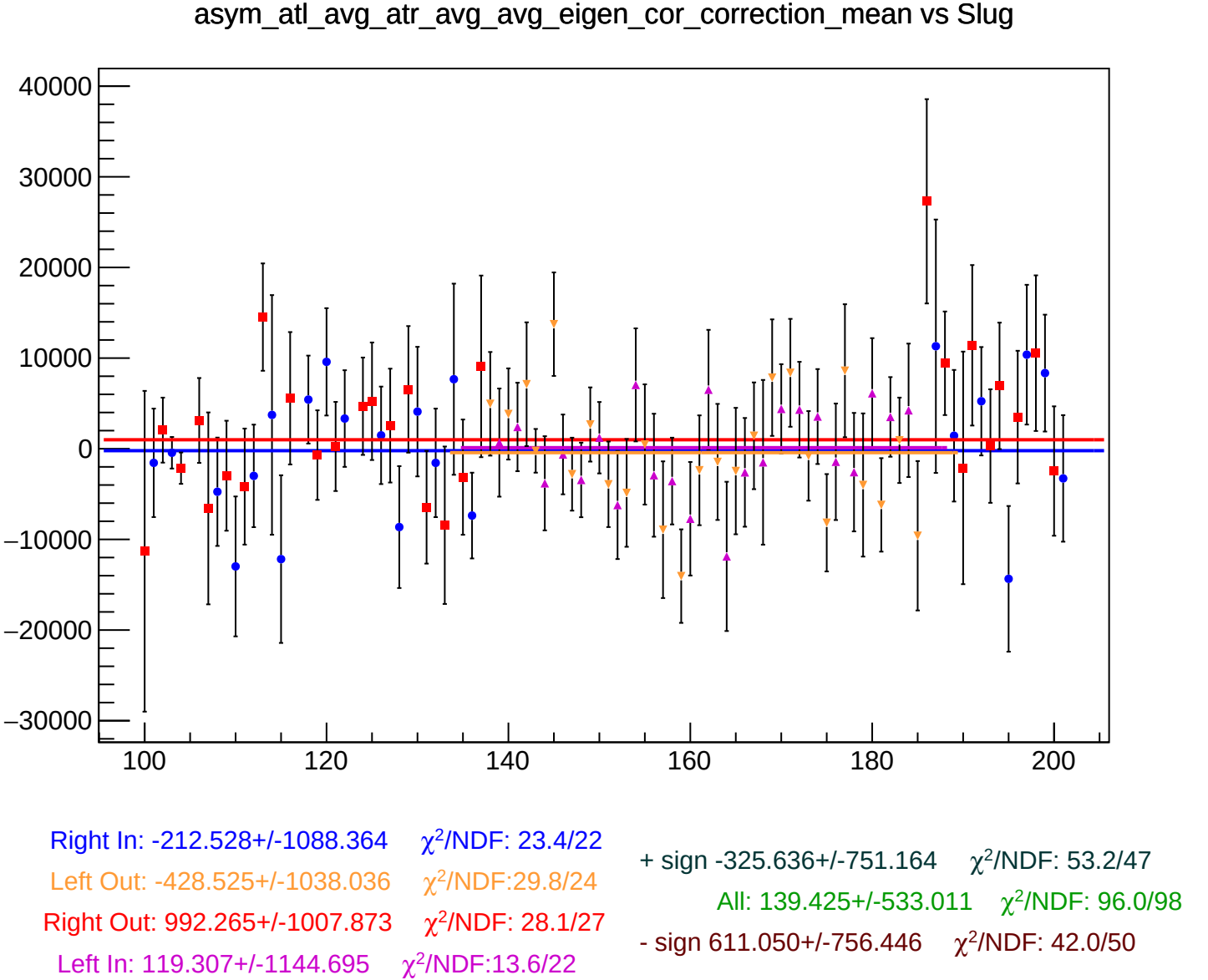
Right Out: 1317.667+/-0.258 χ^2/NDF: 488345.7/27

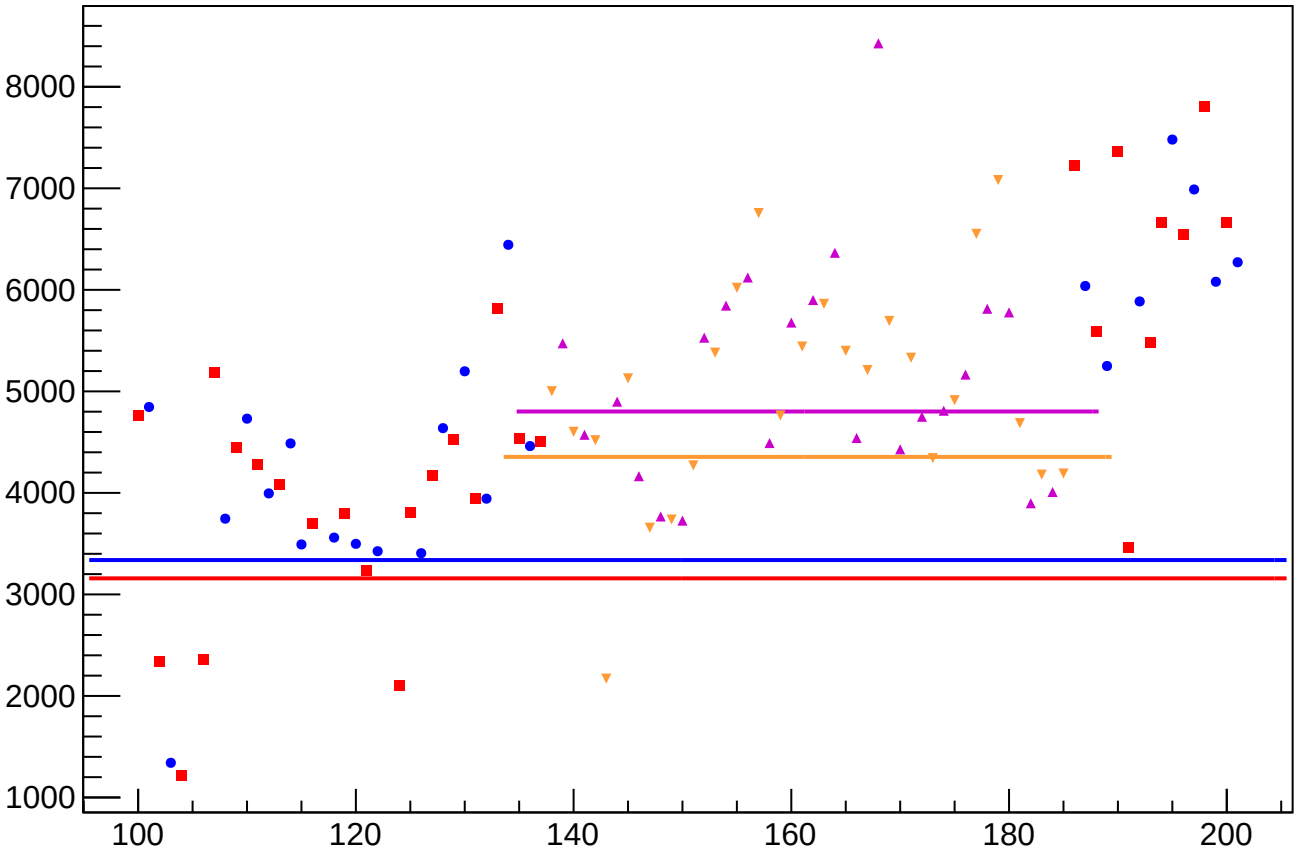
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.943+/-0.163 χ^2/NDF: 712826.1/47

All: 1292.800+/-0.115 χ^2/NDF: 1258271.3/98

- sign 1292.657+/-0.163 χ^2/NDF: 545443.7/50


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -212.528+/-1088.364 χ²/NDF: 23.4/22
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: 992.265+/-1007.873 χ²/NDF: 28.1/27
Left In: 119.307+/-1144.695 χ²/NDF:13.6/22
+ sign -325.636+/-751.164 χ²/NDF: 53.2/47
All: 139.425+/-533.011 χ²/NDF: 96.0/98
- sign 611.050+/-756.446 χ²/NDF: 42.0/50



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: 3158.221+/-0.713 χ^2/NDF: 6715425.6/27

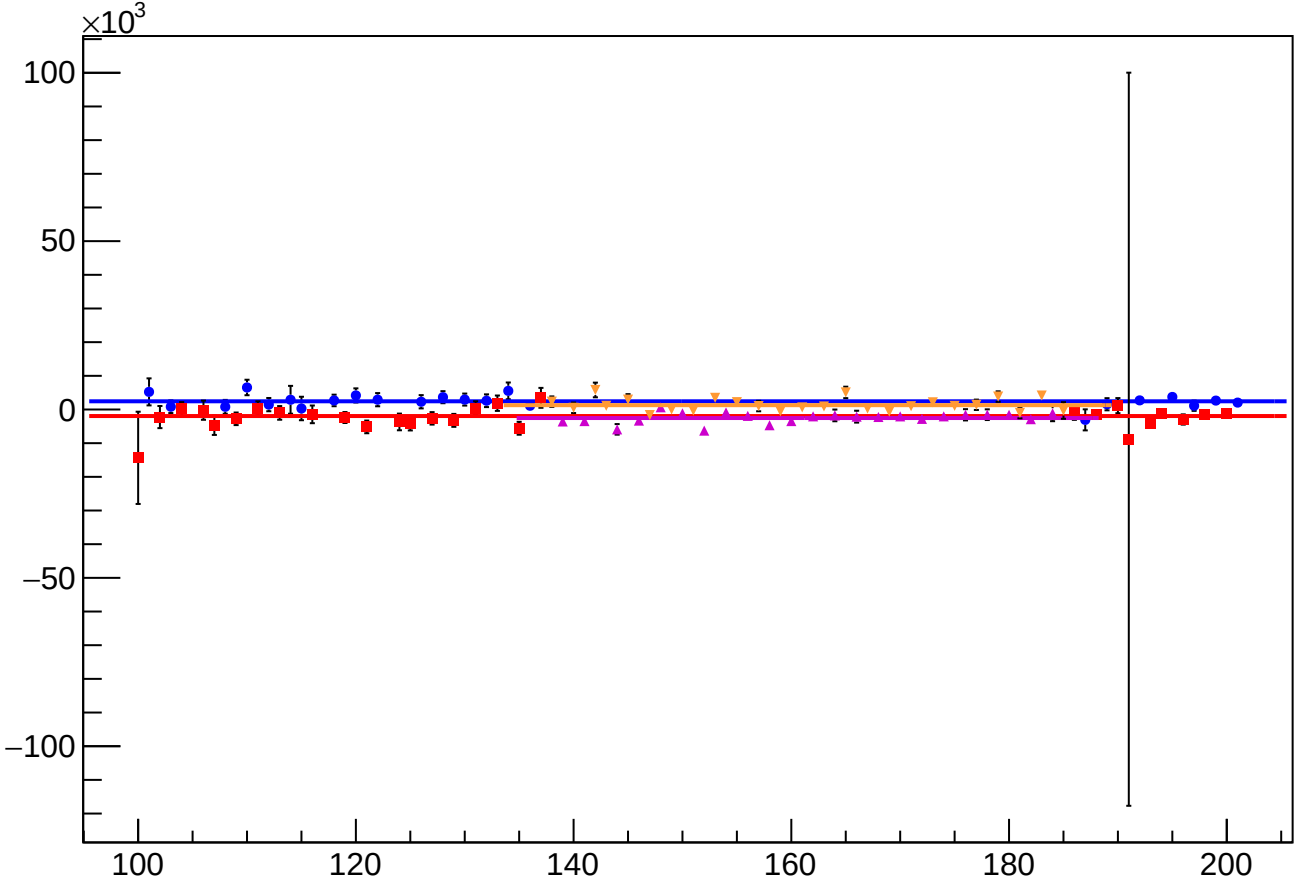
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

\+ sign 3870.511+/-0.531 χ^2/NDF: 9652177.8/47

All: 3873.167+/-0.377 χ^2/NDF: 19921511.7/9

\- sign 3875.860+/-0.535 χ^2/NDF: 10269283.5/50

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: -1941.913+/-372.334 χ^2/NDF: 26.3/27

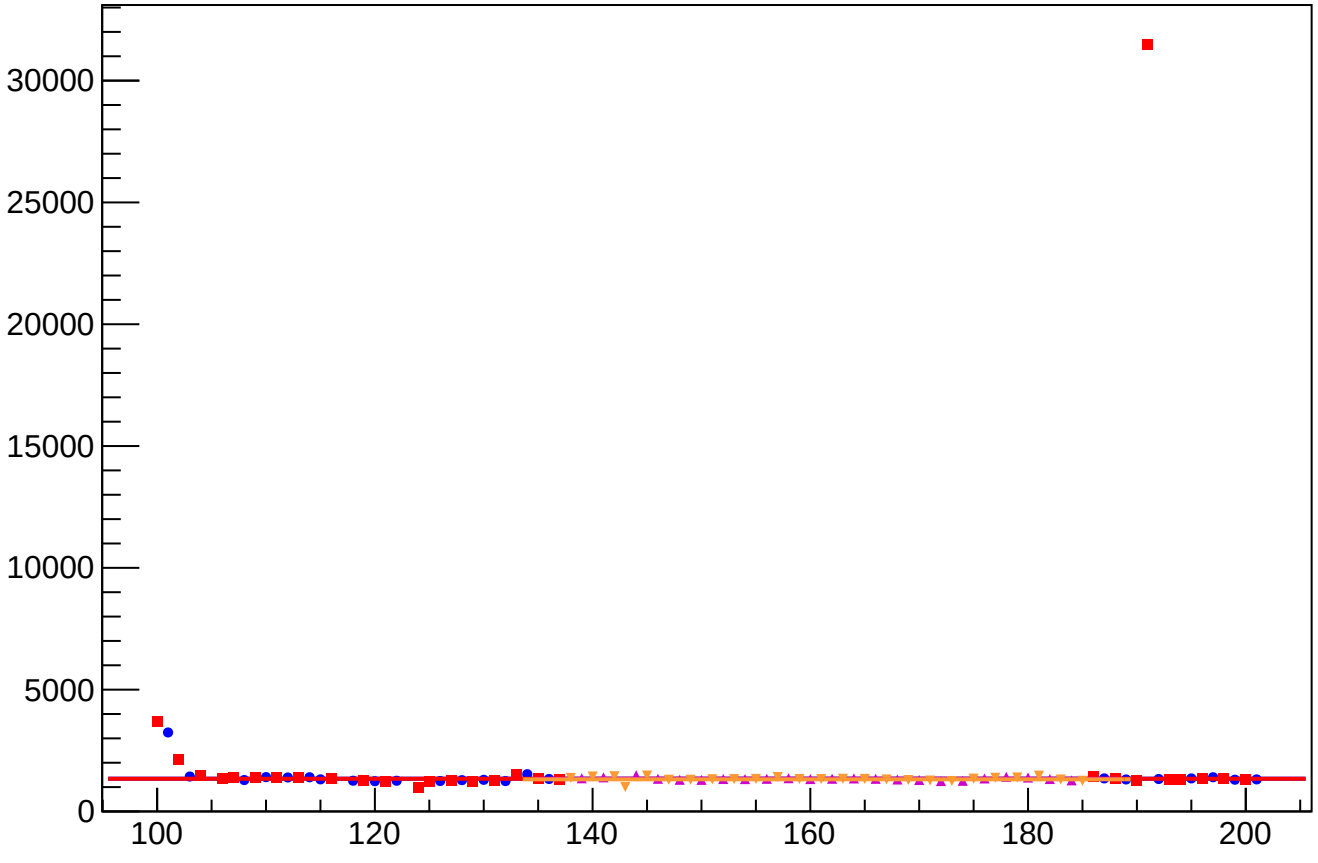
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1718.215+/-237.381 χ^2/NDF: 53.4/47

All: -266.594+/-168.612 χ^2/NDF: 247.2/98

- sign -2287.646+/-239.539 χ^2/NDF: 52.8/50

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

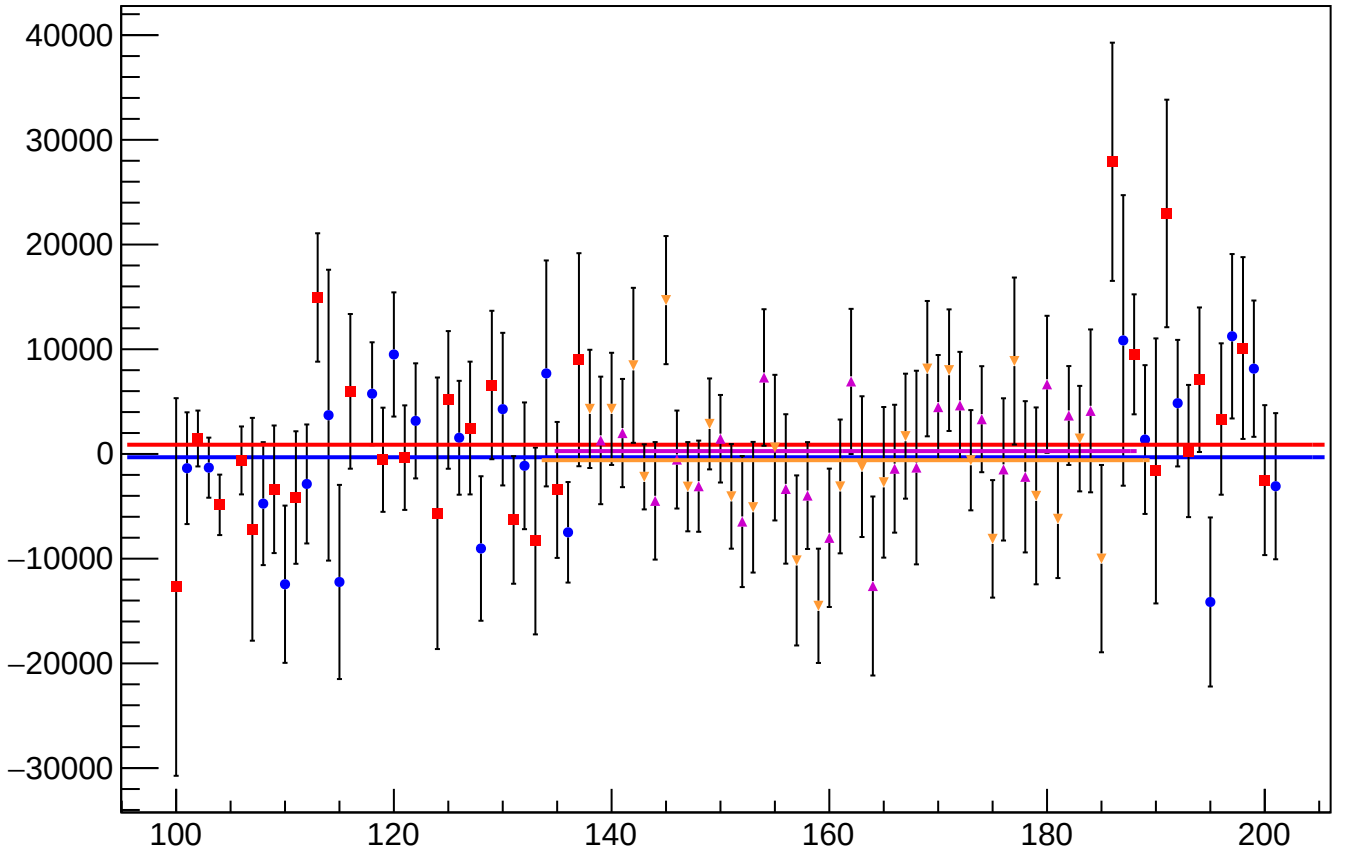
Right Out: 1341.998+/-0.263 χ^2/NDF: 435005.6/27

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1328.245+/-0.168 χ^2/NDF: 755407.1/47

All: 1334.074+/-0.119 χ^2/NDF: 1247192.7/98

- sign 1340.008+/-0.169 χ^2/NDF: 489351.6/50



Right In: -314.126+/-1254.849 χ^2/NDF: 23.2/22

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

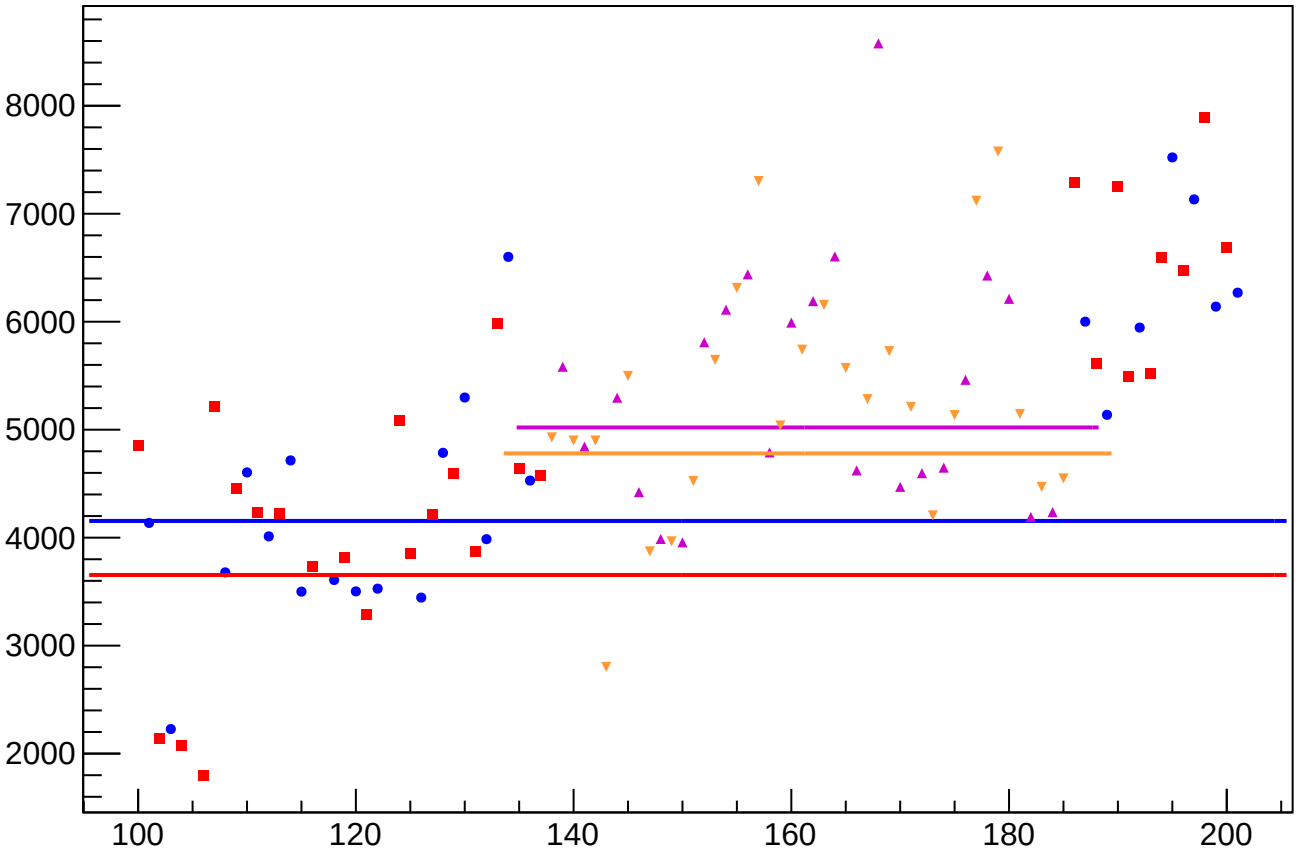
Right Out: 881.861+/-1089.499 χ^2/NDF: 31.7/27

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -470.131+/-836.531 χ^2/NDF: 52.8/47

All: 88.106+/-580.295 χ^2/NDF: 98.8/98

- sign 605.905+/-805.663 χ^2/NDF: 45.2/50



Right In: 4154.806+/-0.887 χ^2/NDF: 2483437.2/22

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

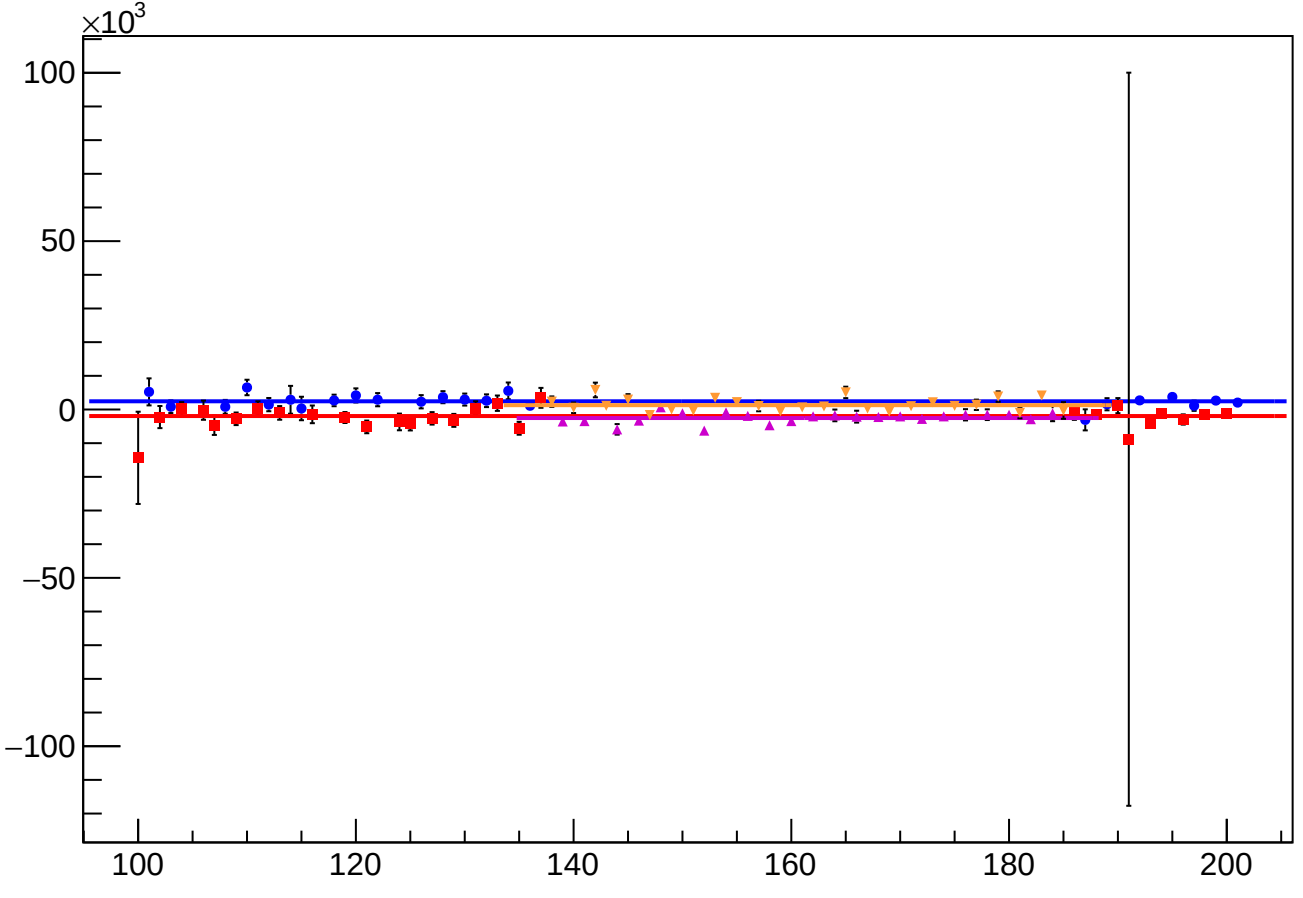
Right Out: 3654.354+/-0.770 χ^2/NDF: 4645885.0/27

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4502.379+/-0.592 χ^2/NDF: 4765856.9/47

All: 4383.626+/-0.410 χ^2/NDF: 12139700.9/9

- sign 4273.476+/-0.570 χ^2/NDF: 7296154.9/50



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: -1941.913+/-372.334 χ^2/NDF: 26.3/27

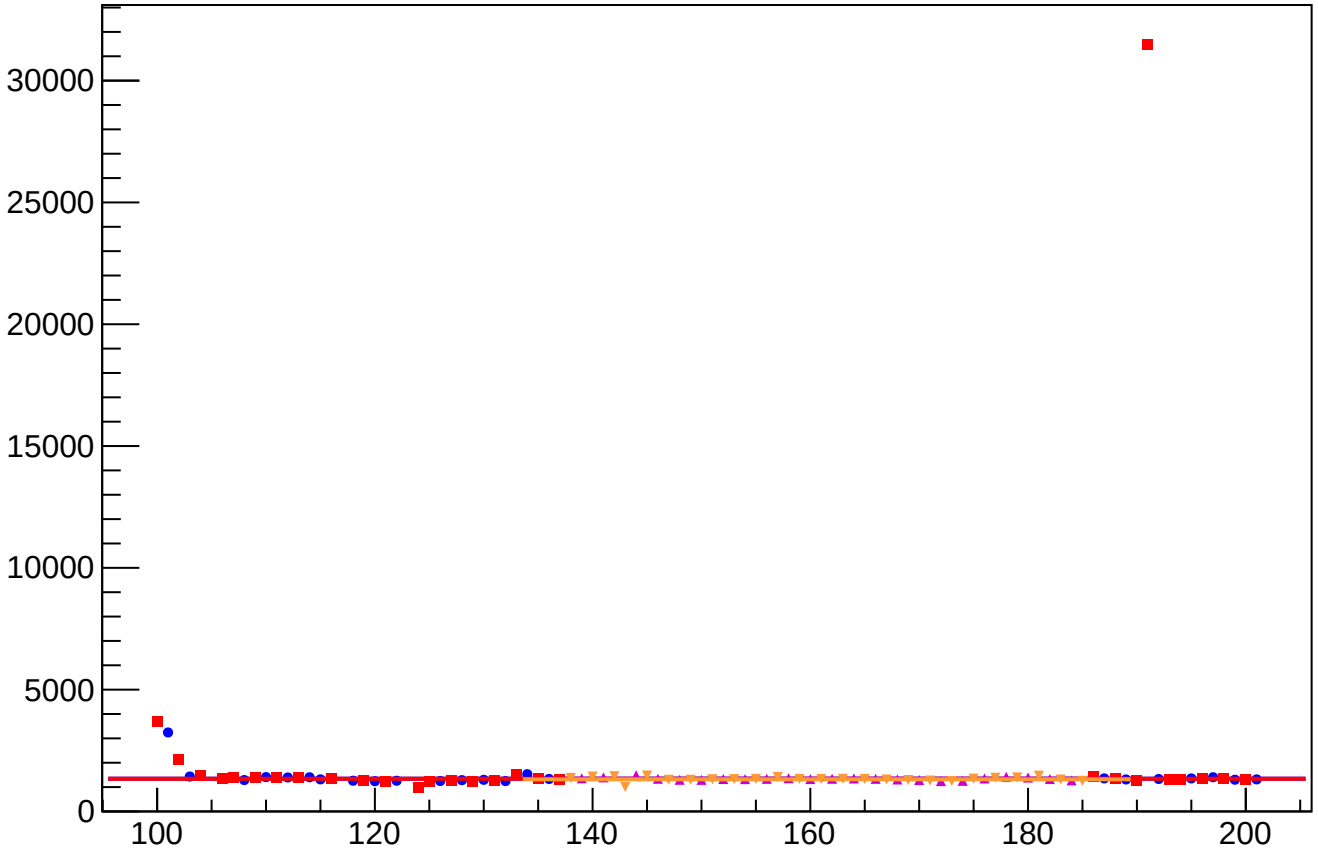
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1718.212+/-237.382 χ^2/NDF: 53.4/47

All: -266.596+/-168.612 χ^2/NDF: 247.2/98

- sign -2287.646+/-239.539 χ^2/NDF: 52.8/50

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

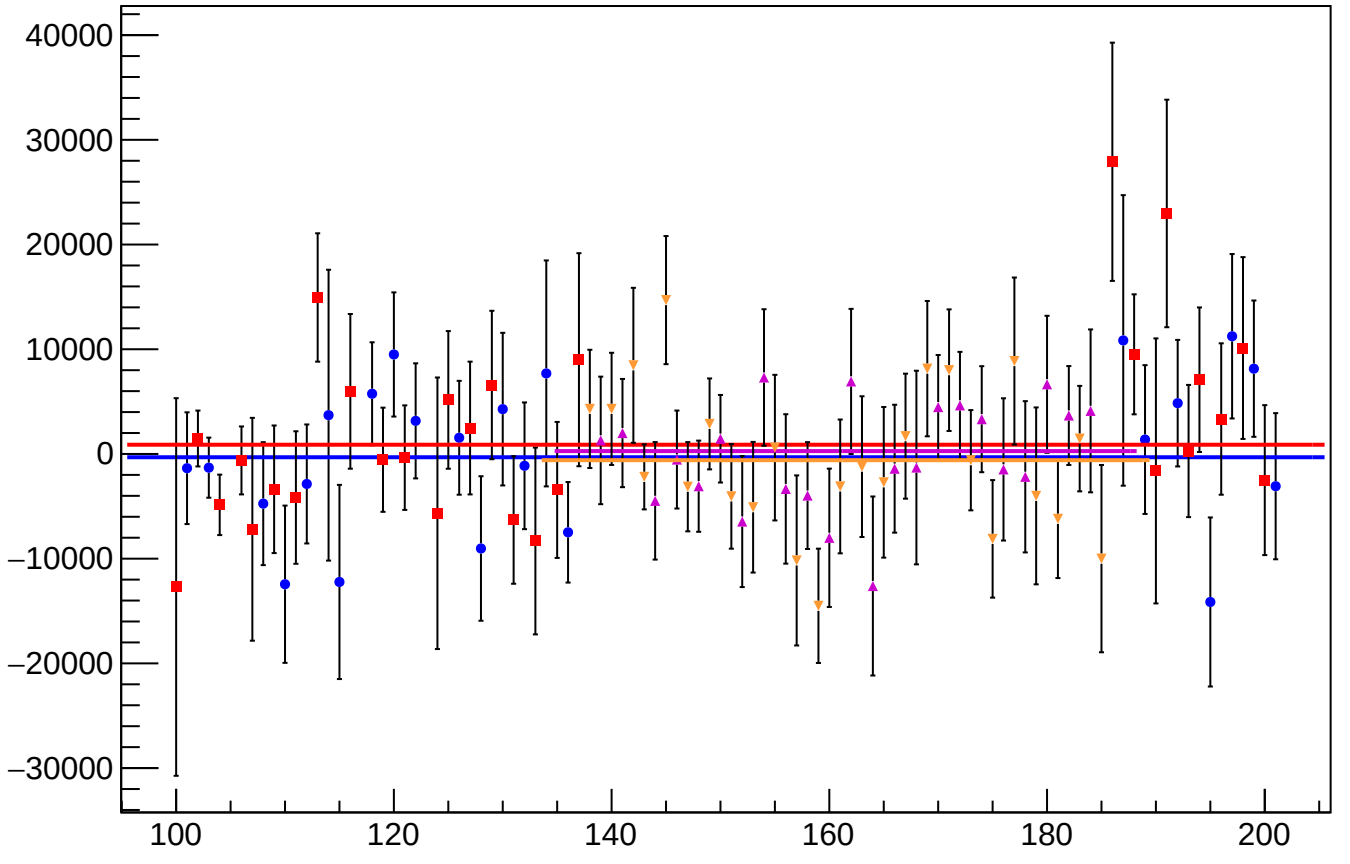
Right Out: 1341.998+/-0.263 χ^2/NDF: 435004.5/27

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1328.245+/-0.168 χ^2/NDF: 755409.1/47

All: 1334.075+/-0.119 χ^2/NDF: 1247196.0/98

- sign 1340.009+/-0.169 χ^2/NDF: 489353.0/50



Right In: -314.122+/-1254.847 χ^2/NDF: 23.2/22

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

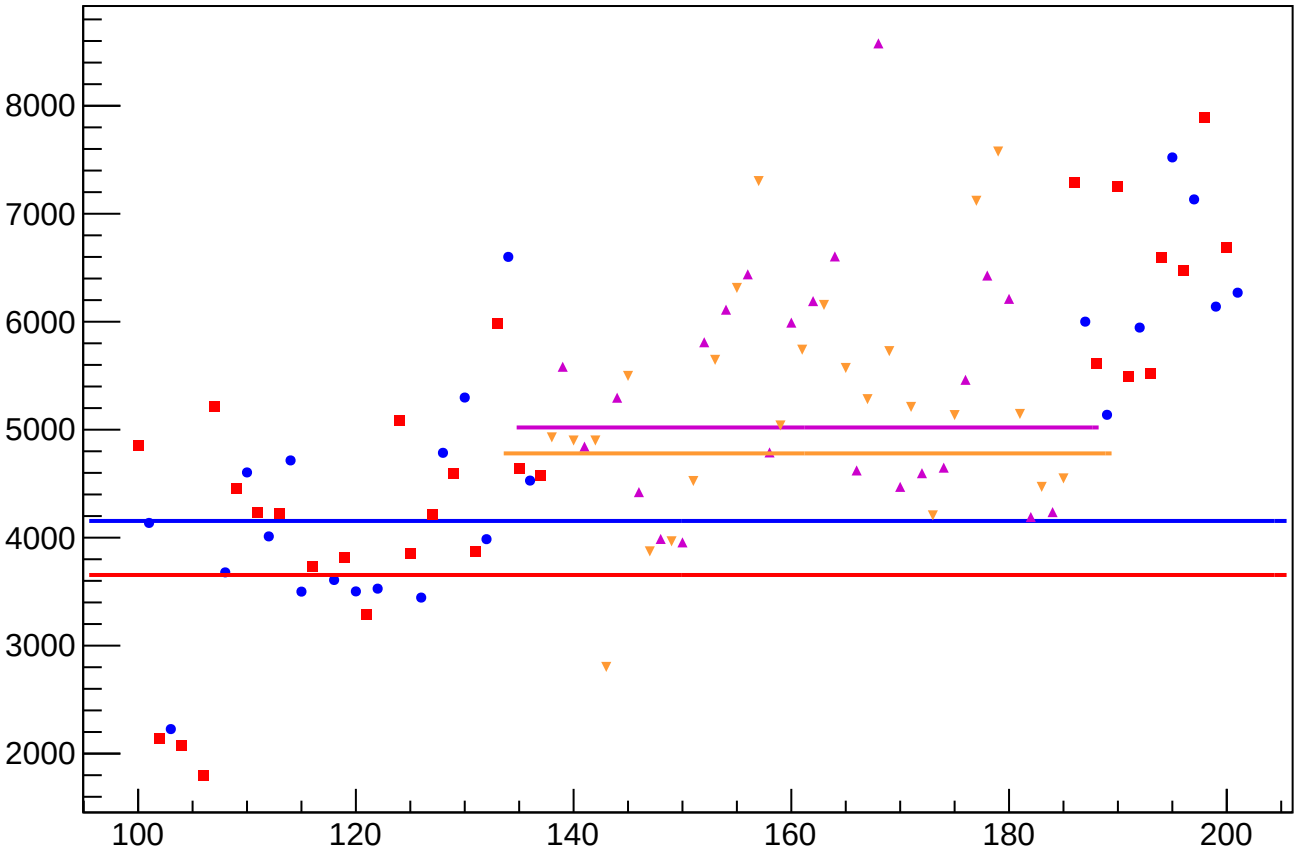
Right Out: 881.854+/-1089.497 χ^2/NDF: 31.7/27

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -470.131+/-836.531 χ^2/NDF: 52.8/47

All: 88.106+/-580.295 χ^2/NDF: 98.8/98

- sign 605.903+/-805.662 χ^2/NDF: 45.2/50



Right In: 4154.797+/-0.887 χ^2/NDF: 2483457.4/22

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

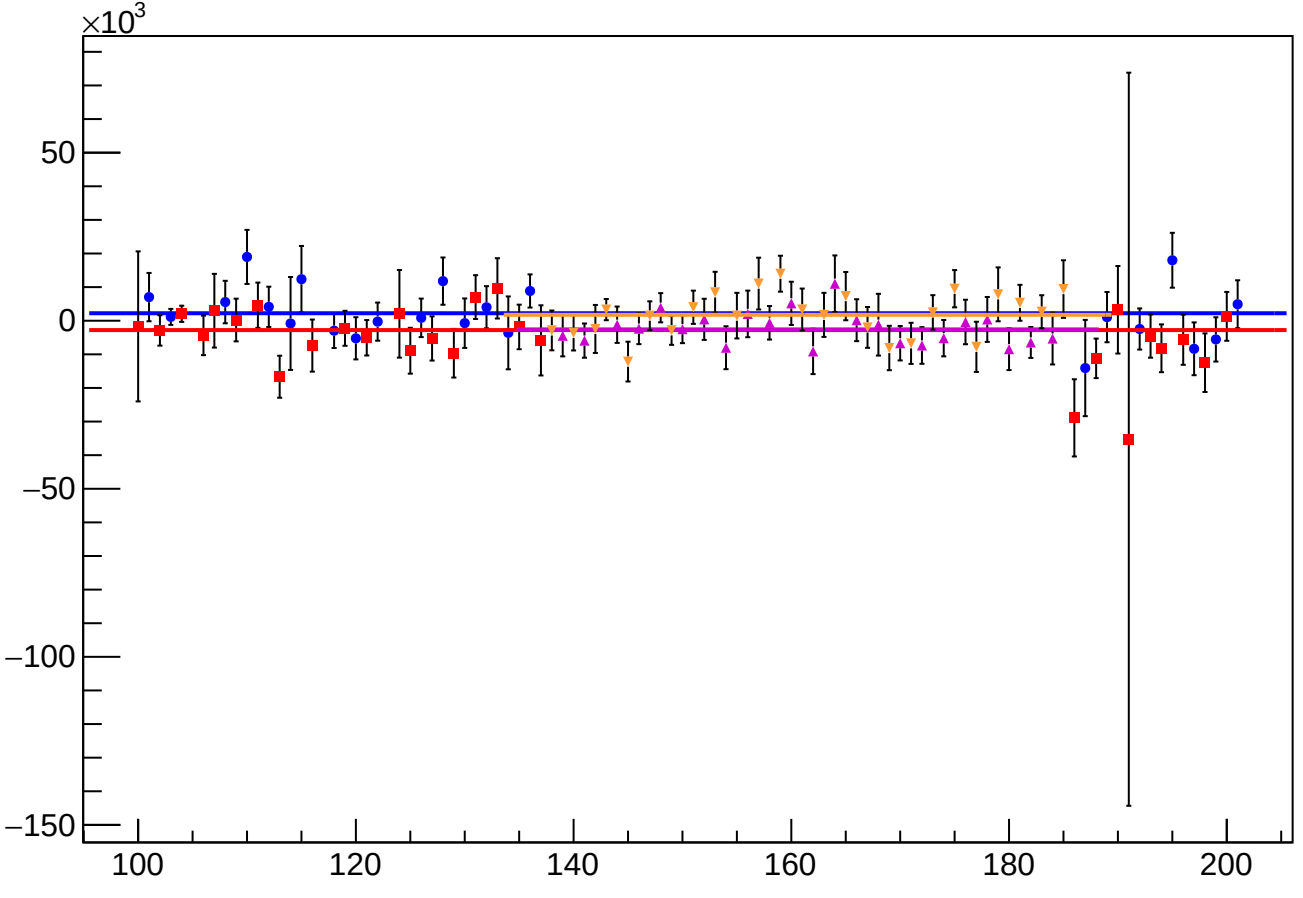
Right Out: 3654.345+/-0.770 χ^2/NDF: 4645909.7/27

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4502.378+/-0.592 χ^2/NDF: 4765893.2/47

All: 4383.624+/-0.410 χ^2/NDF: 12139803.1/9

- sign 4273.472+/-0.570 χ^2/NDF: 7296218.5/50



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: -2783.090+/-1198.827 χ^2/NDF: 27.5/27

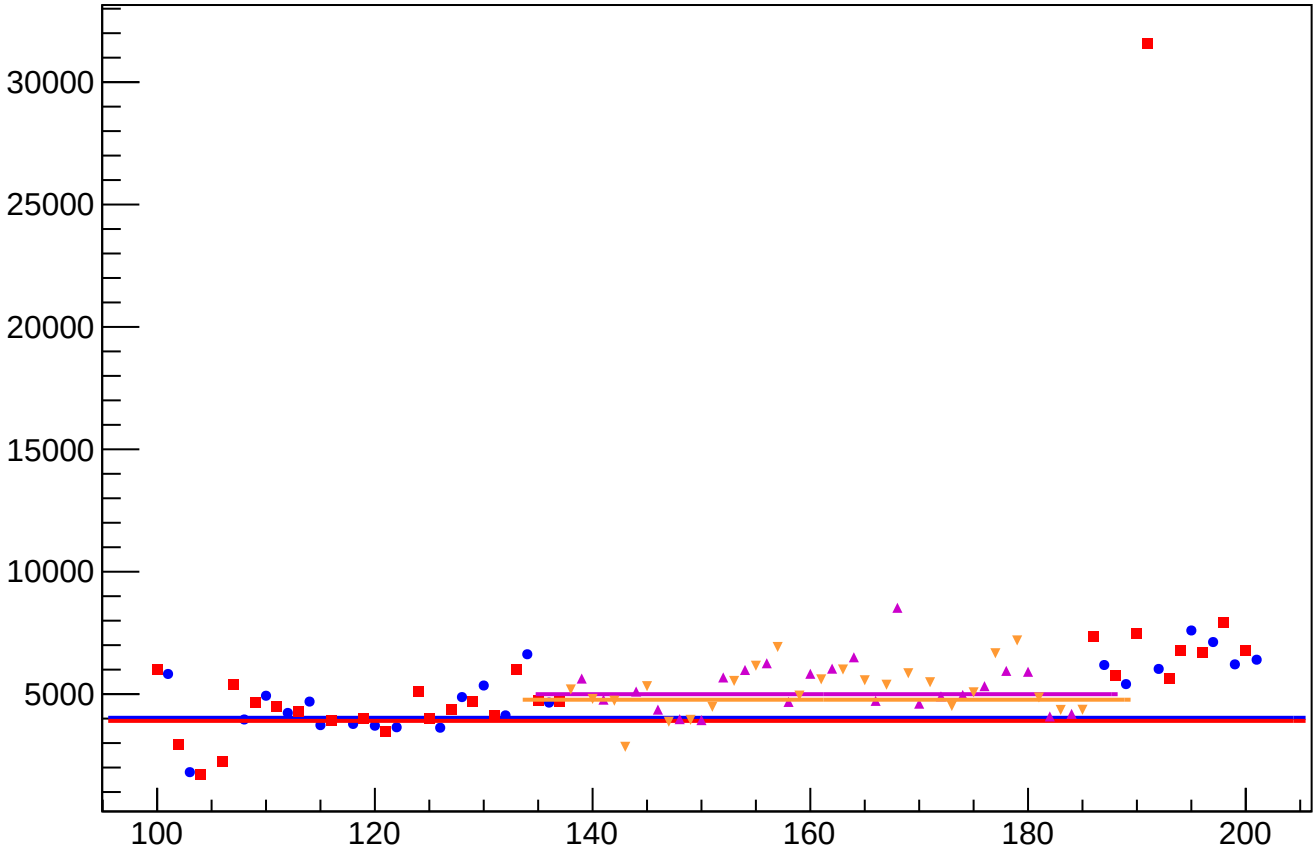
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1968.612+/-832.194 χ^2/NDF: 50.1/47

All: -323.256+/-592.582 χ^2/NDF: 106.2/98

- sign -2680.642+/-844.005 χ^2/NDF: 40.7/50

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: 3906.401+/-0.838 χ^2/NDF: 4478082.9/27

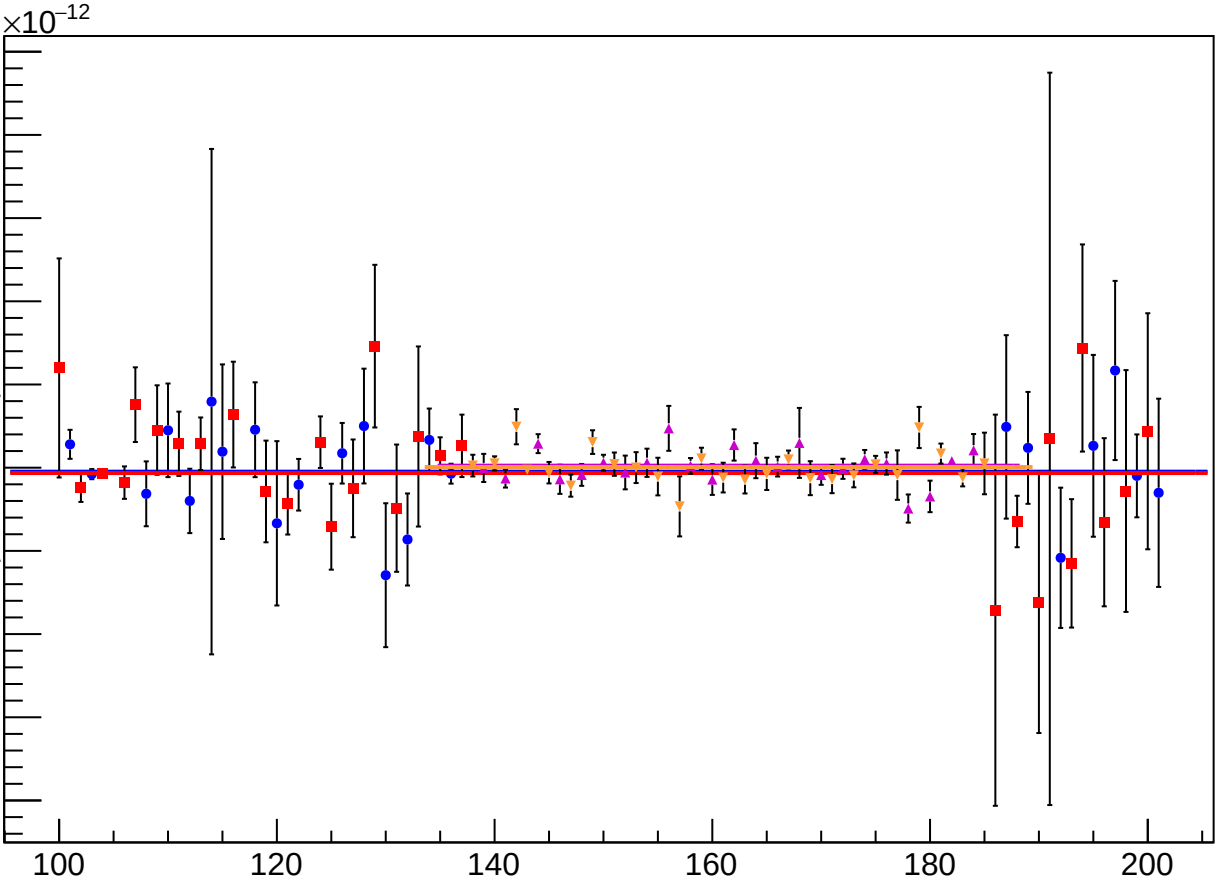
Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4442.879+/-0.588 χ^2/NDF: 5803102.9/47

All: 4446.535+/-0.418 χ^2/NDF: 12220838.9/9

- sign 4450.253+/-0.594 χ^2/NDF: 6417658.1/50

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

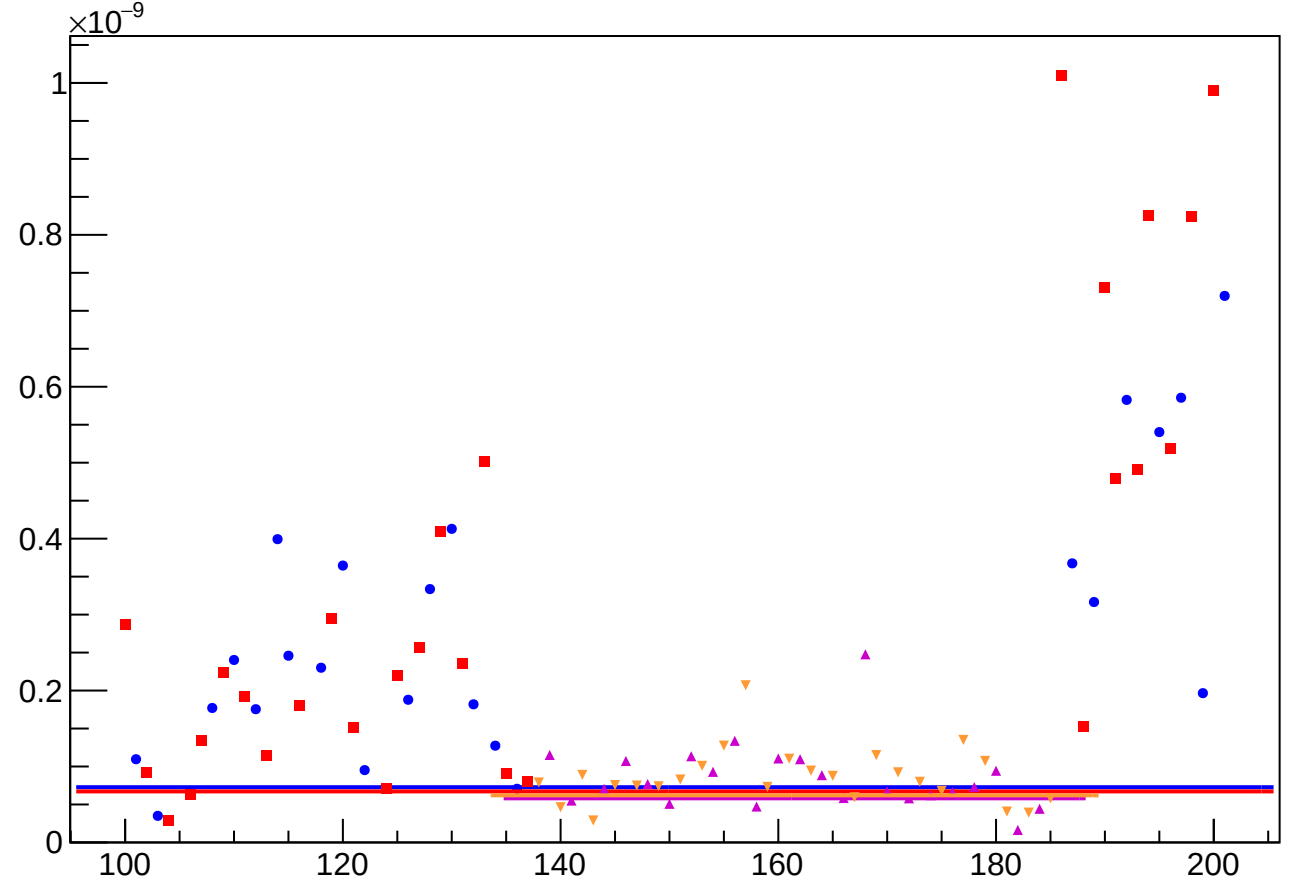
Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/27

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: 107.3/98

- sign 0.000+/-0.000 χ^2/NDF: 62.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 5380188.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

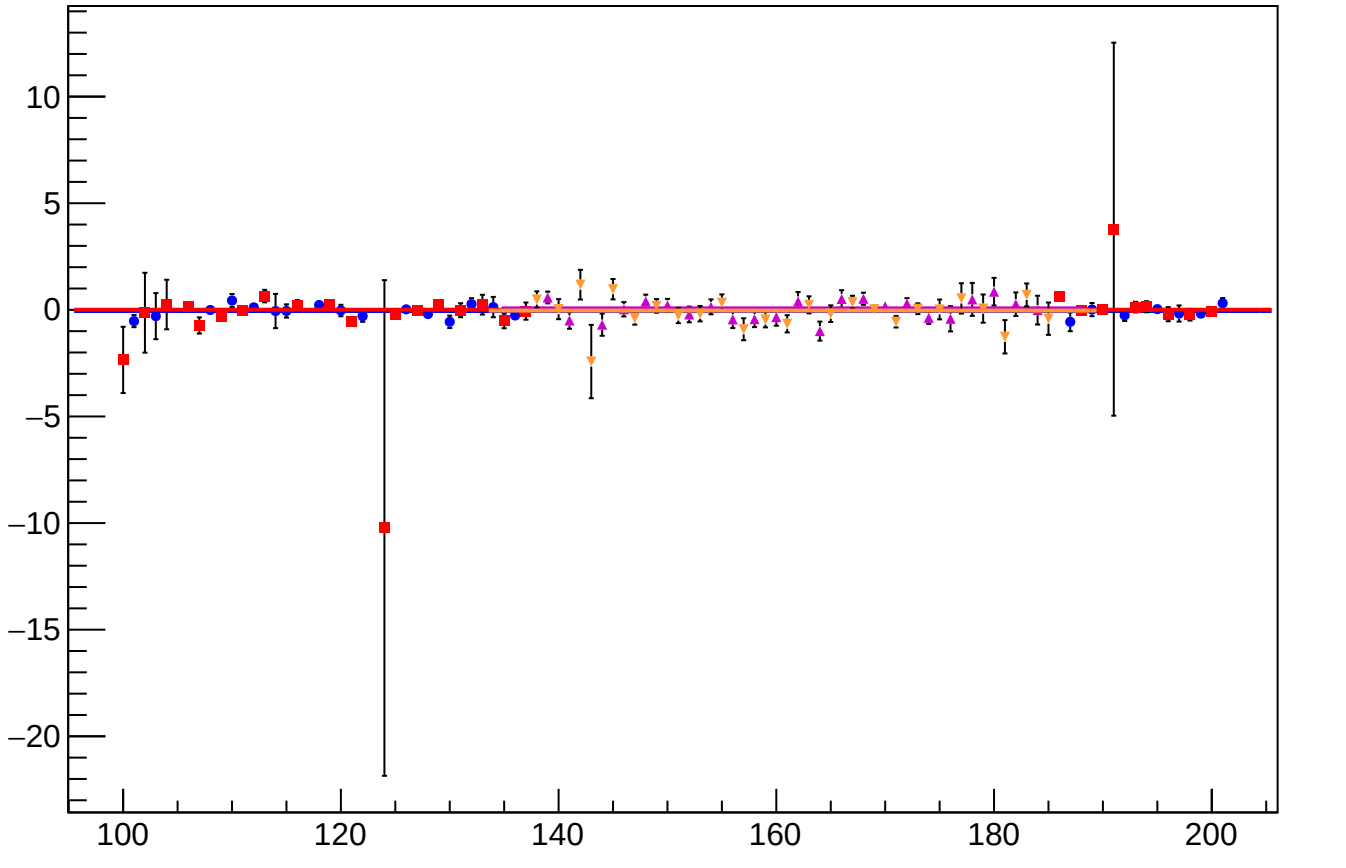
Right Out: 0.000+/-0.000 χ^2/NDF: 6904563.6/27

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: 17863032.2/98

- sign 0.000+/-0.000 χ^2/NDF: 9928735.9/50



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: 0.006+/-0.047 χ^2/NDF: 37.3/27

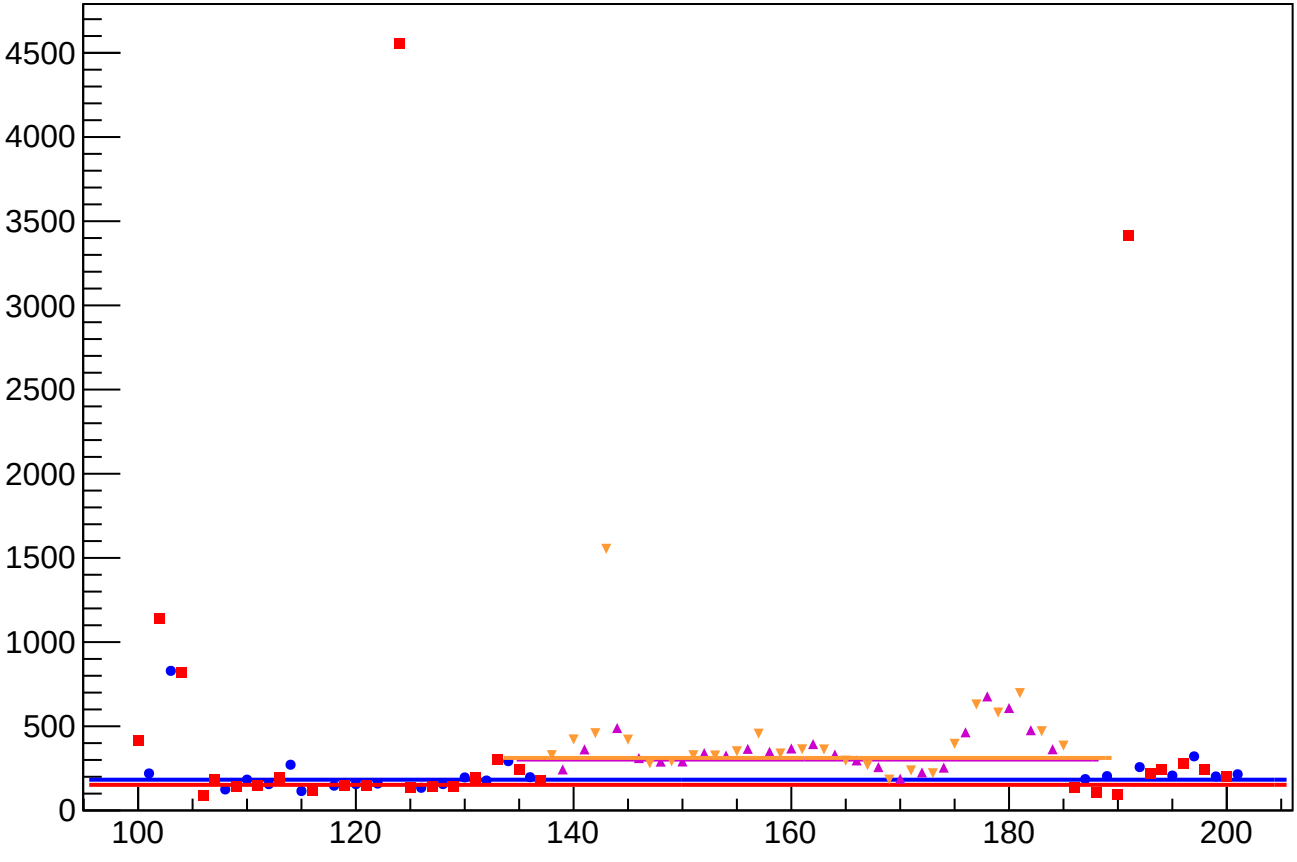
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

\+ sign -0.047+/-0.045 χ^2/NDF: 52.2/47

All: -0.007+/-0.030 χ^2/NDF: 121.3/98

\- sign 0.024+/-0.040 χ^2/NDF: 67.7/50

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 182.700+/-0.040 χ^2/NDF: 1909246.8/22

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

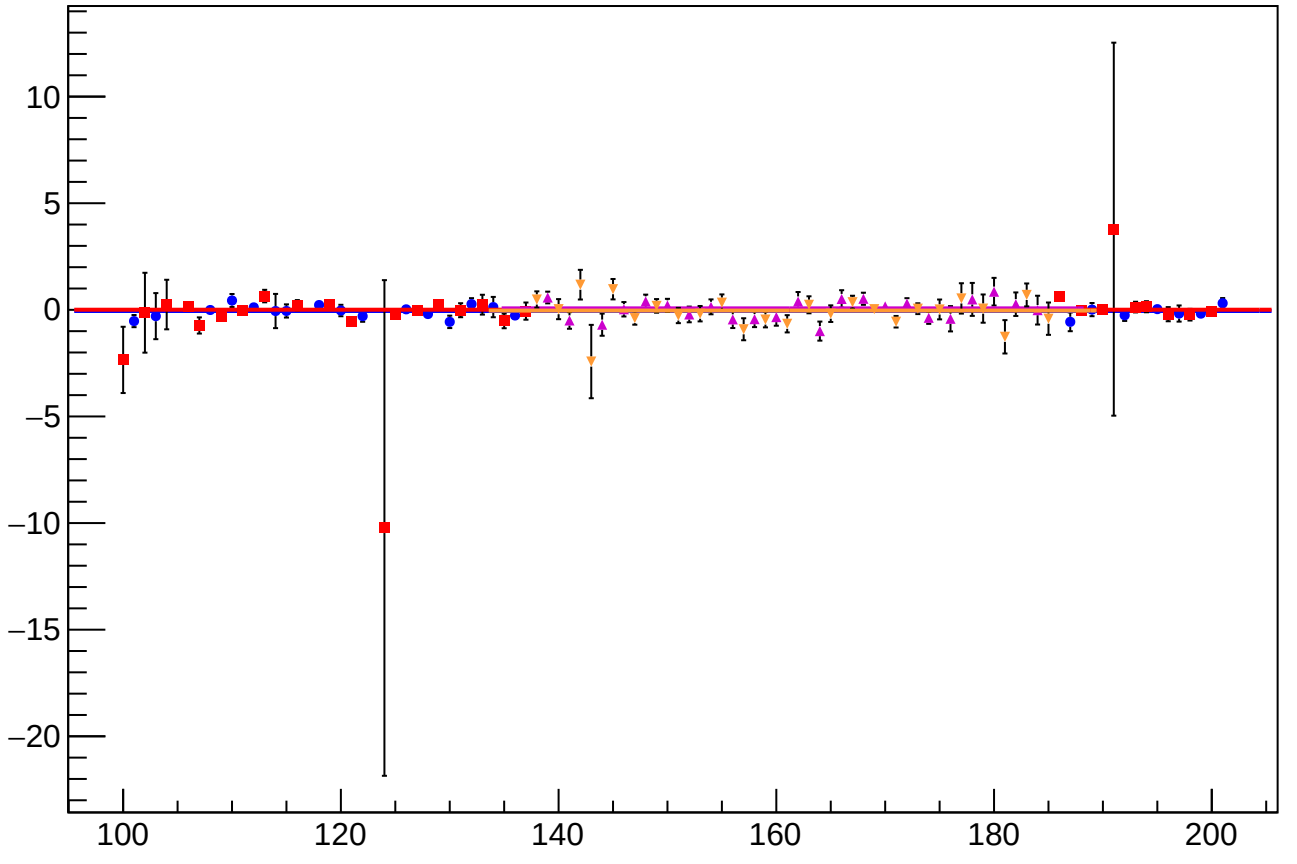
Right Out: 152.205+/-0.033 χ^2/NDF: 4202585.1/27

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.715+/-0.032 χ^2/NDF: 9964084.6/47

All: 209.364+/-0.021 χ^2/NDF: 23309188.5/98

- sign 195.026+/-0.028 χ^2/NDF: 12759083.7/50



Right In: -0.054+/-0.056 χ^2/NDF: 19.6/22

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

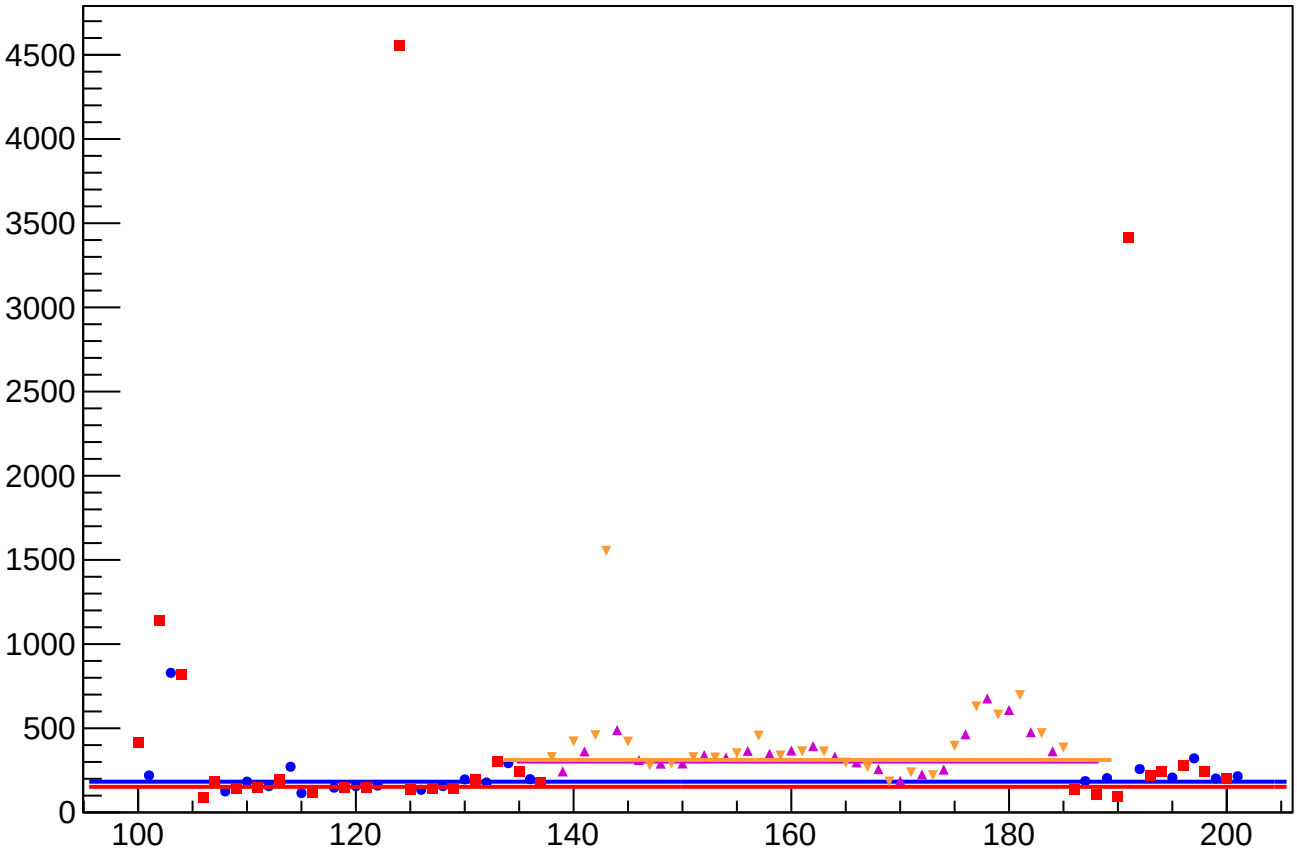
Right Out: 0.006+/-0.047 χ^2/NDF: 37.3/27

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.047+/-0.045 χ^2/NDF: 52.2/47

All: -0.007+/-0.030 χ^2/NDF: 121.3/98

- sign 0.024+/-0.040 χ^2/NDF: 67.7/50



Right In: 182.700+/-0.040 χ^2/NDF: 1909246.8/22

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

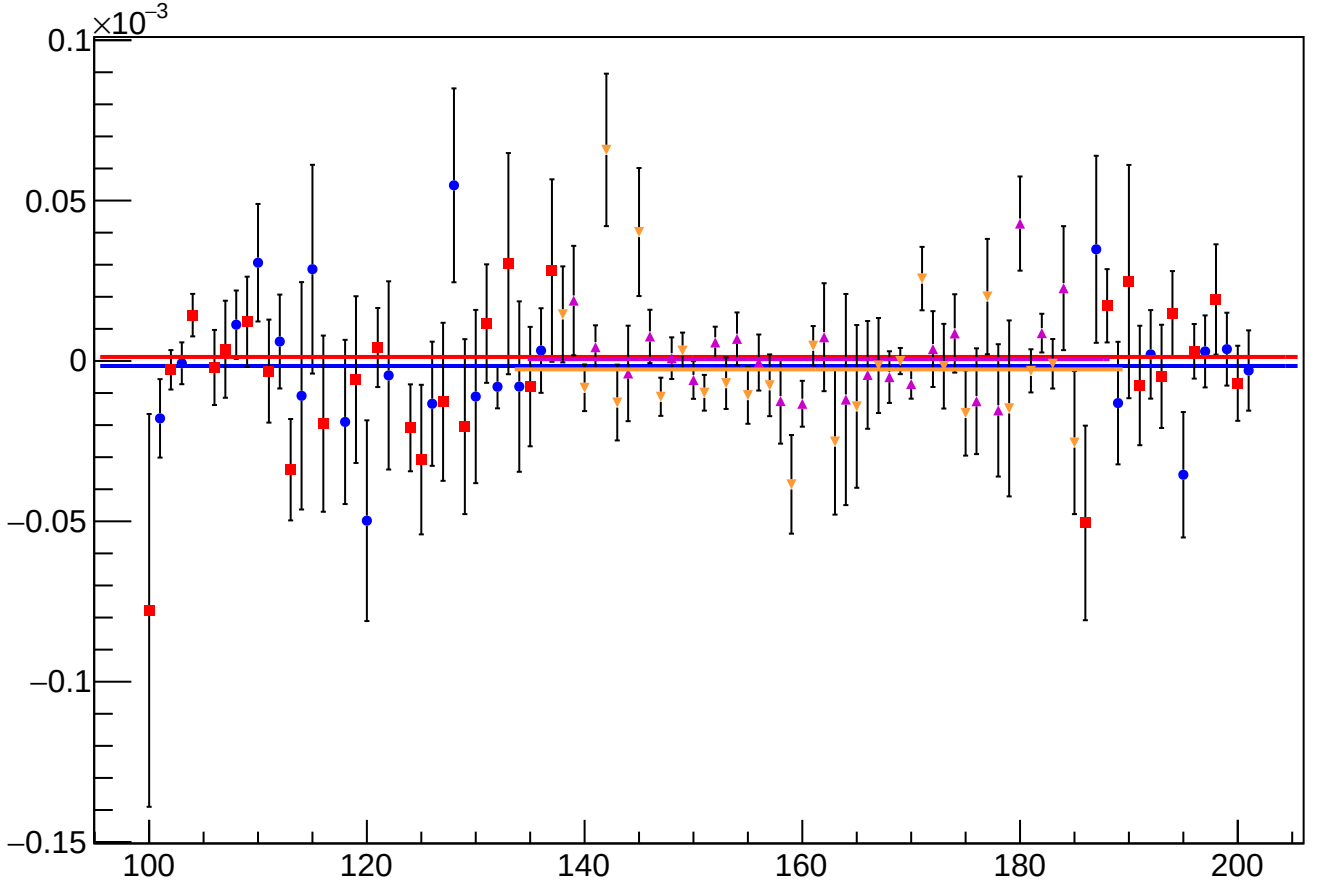
Right Out: 152.205+/-0.033 χ^2/NDF: 4202585.1/27

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 227.715+/-0.032 χ^2/NDF: 9964084.6/47

All: 209.364+/-0.021 χ^2/NDF: 23309188.5/98

- sign 195.026+/-0.028 χ^2/NDF: 12759083.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

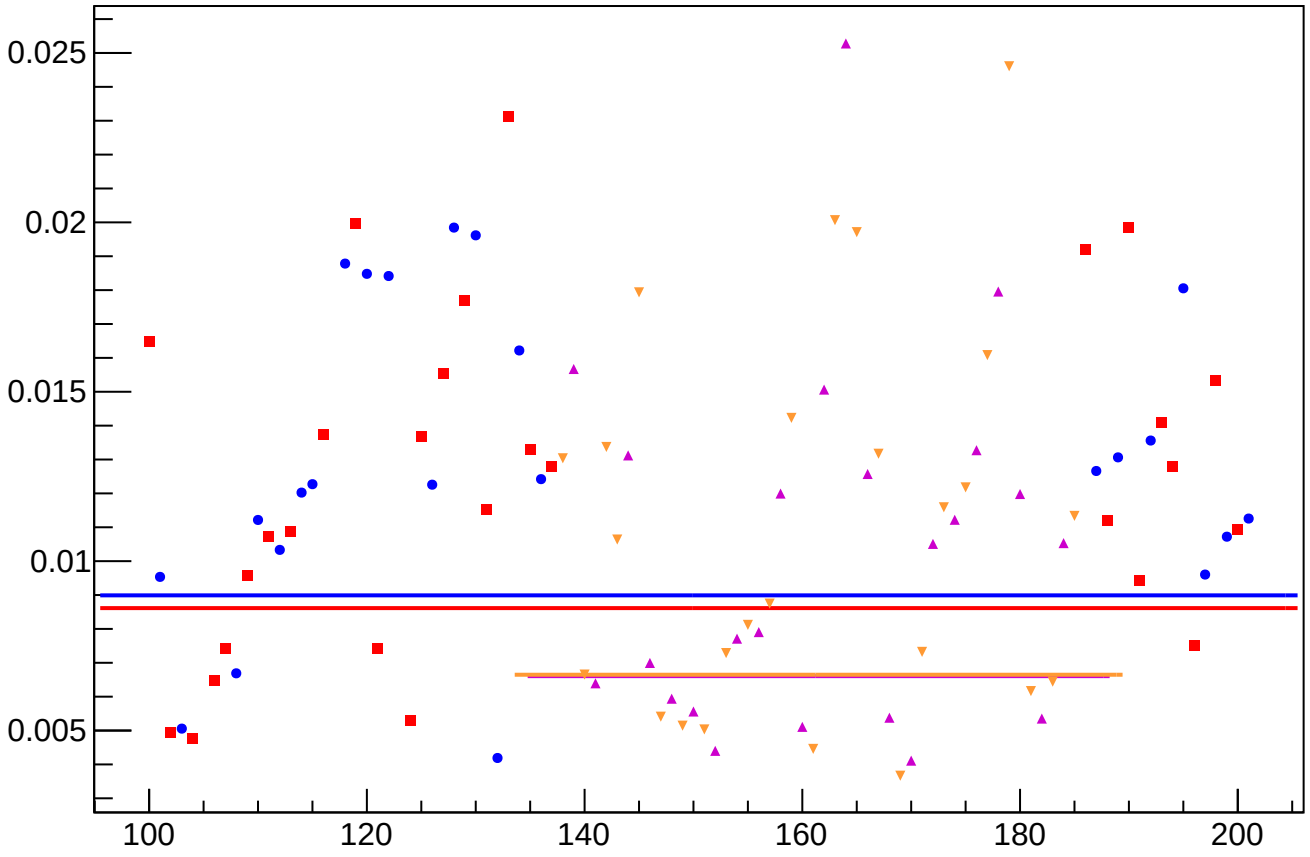
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/27

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: 120.9/98

- sign 0.000+/-0.000 χ^2/NDF: 55.3/50



Right In: 0.009+/-0.000 χ^2/NDF: 4404217.1/22

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

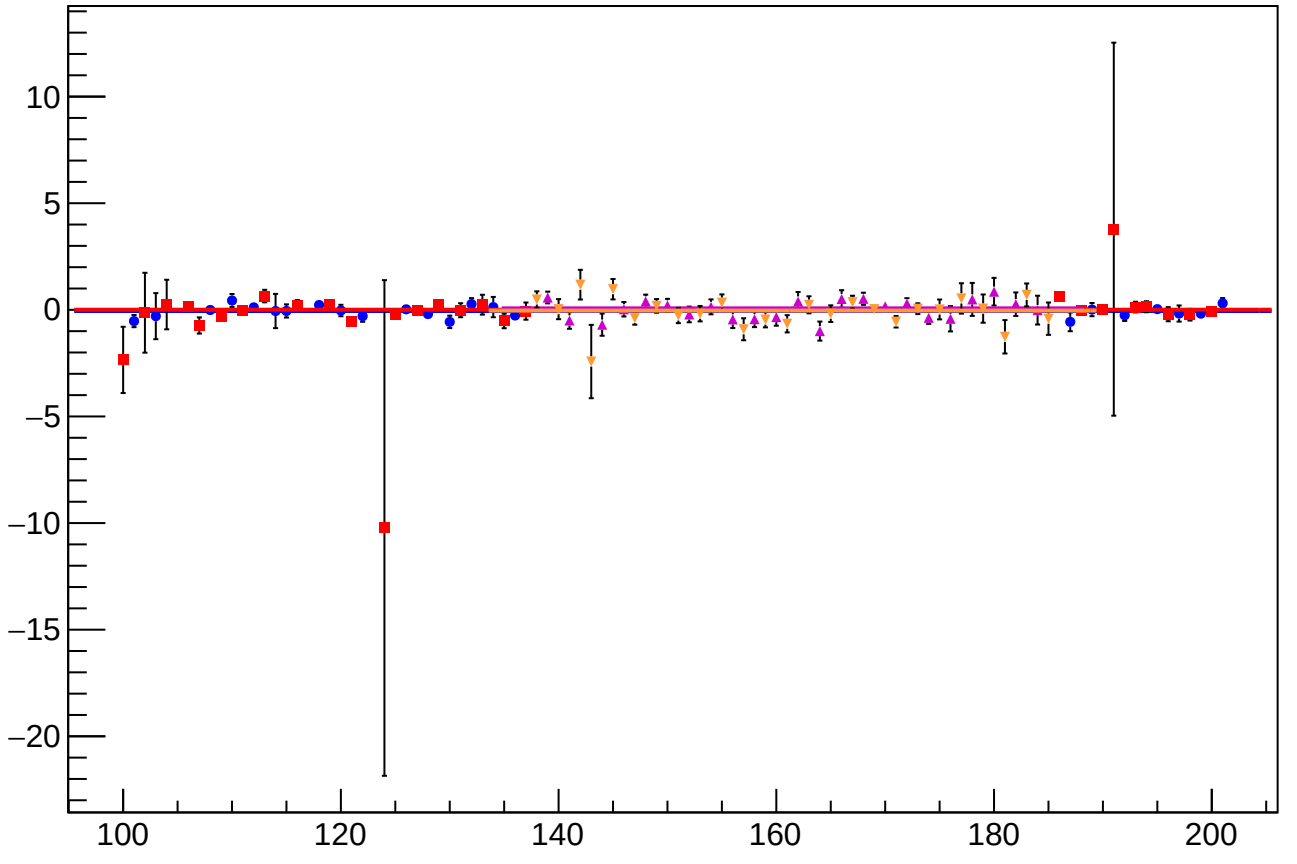
Right Out: 0.009+/-0.000 χ^2/NDF: 4604980.2/27

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: 24162577.8/98

- sign 0.007+/-0.000 χ^2/NDF: 11274708.2/50



Right In: -0.054+/-0.056 χ^2/NDF: 19.6/22

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

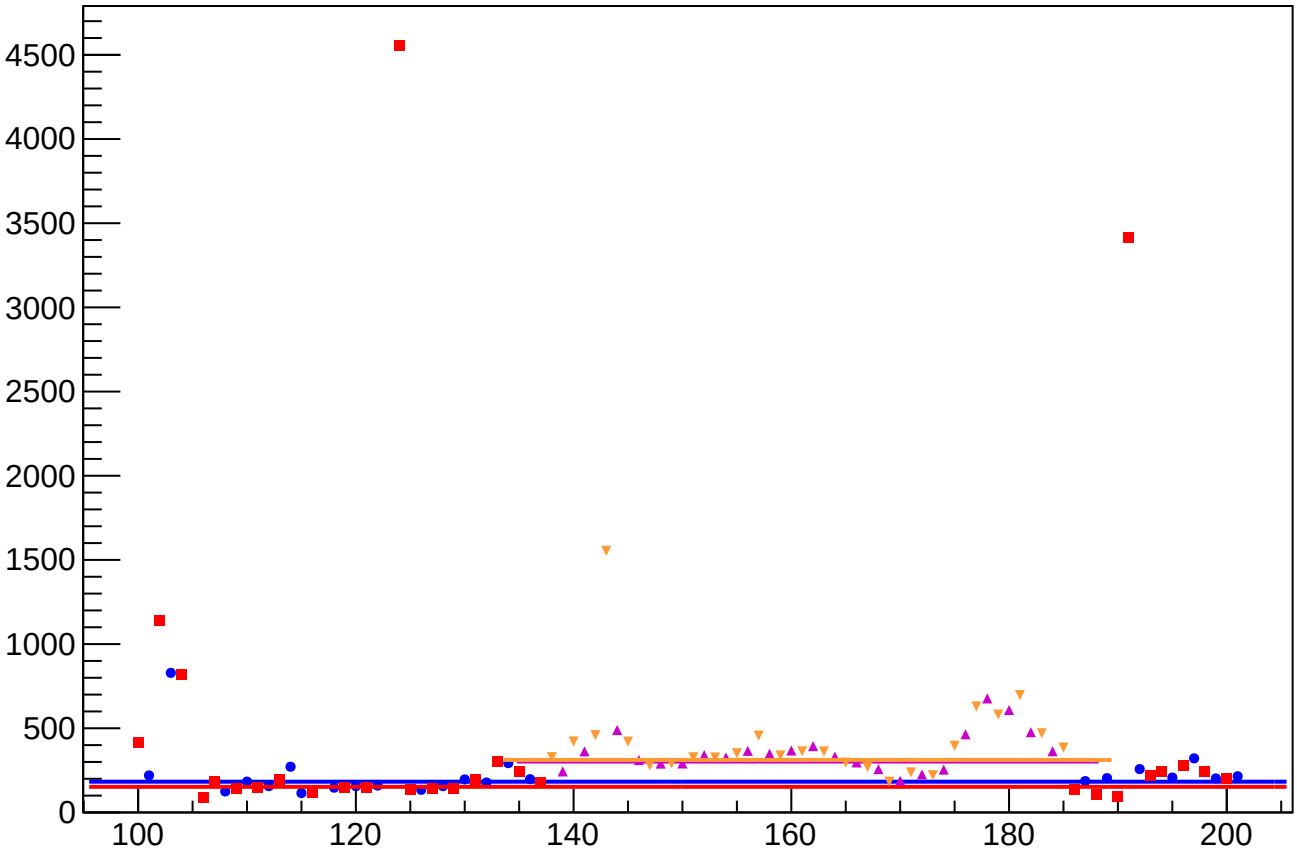
Right Out: 0.006+/-0.047 χ^2/NDF: 37.3/27

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

\+ sign -0.047+/-0.045 χ^2/NDF: 52.2/47

All: -0.007+/-0.030 χ^2/NDF: 121.3/98

\- sign 0.024+/-0.040 χ^2/NDF: 67.7/50



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: 152.202+/-0.033 χ^2/NDF: 4202764.6/27

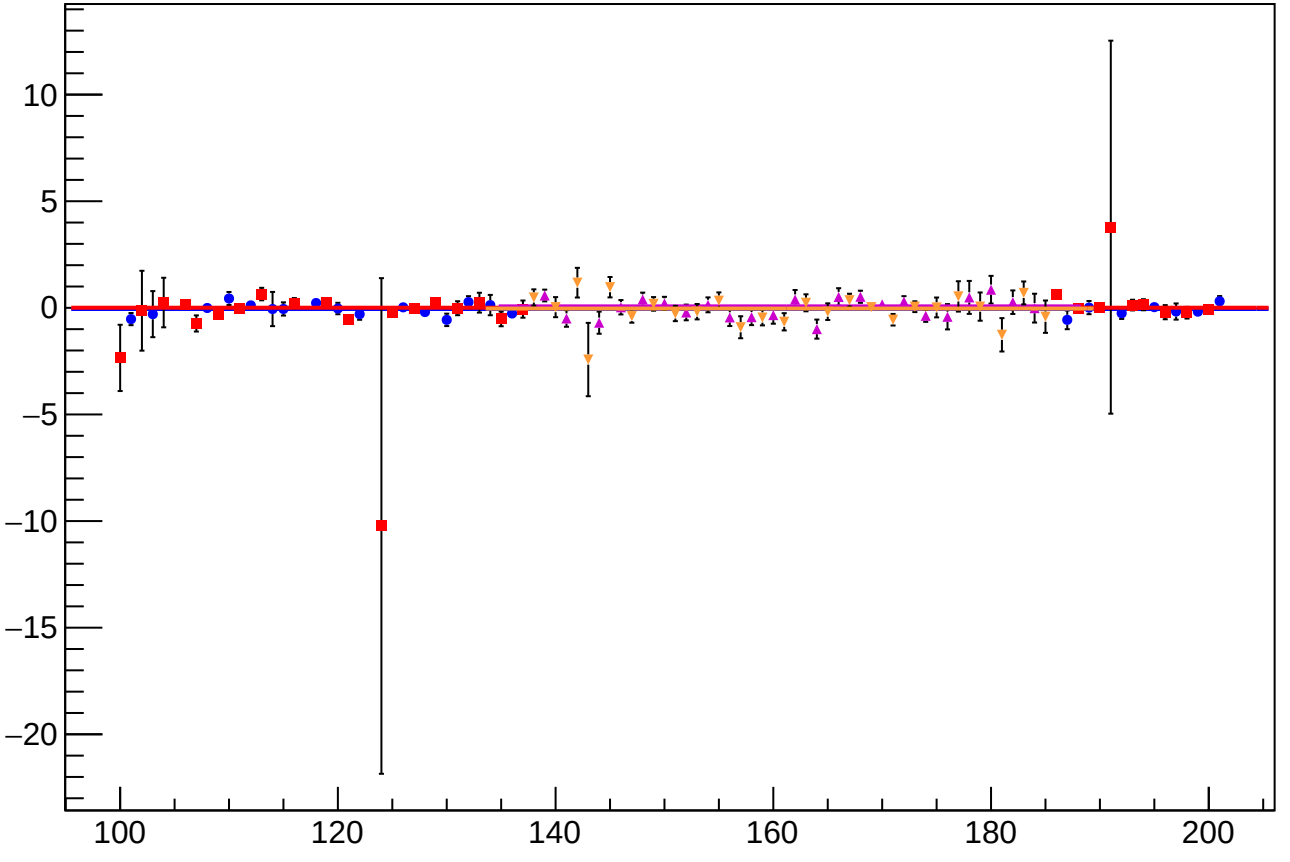
Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 227.714+/-0.032 χ^2/NDF: 9964317.5/47

All: 209.361+/-0.021 χ^2/NDF: 23310206.3/98

- sign 195.023+/-0.028 χ^2/NDF: 12759761.9/50

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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: 0.006+/-0.047 χ^2/NDF: 37.3/27

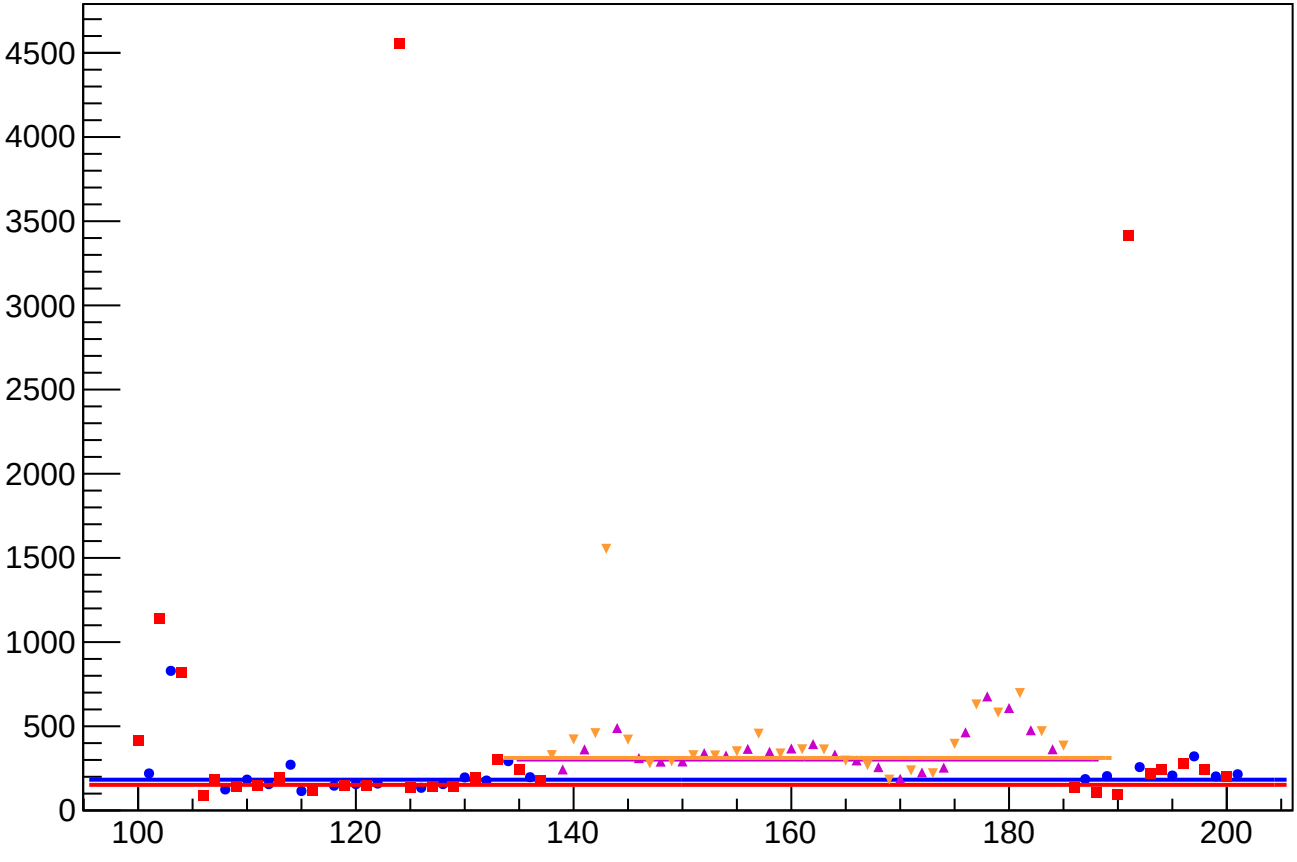
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.047+/-0.045 χ^2/NDF: 52.2/47

All: -0.007+/-0.030 χ^2/NDF: 121.3/98

- sign 0.024+/-0.040 χ^2/NDF: 67.7/50

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 182.699+/-0.040 χ^2/NDF: 1909245.0/22

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

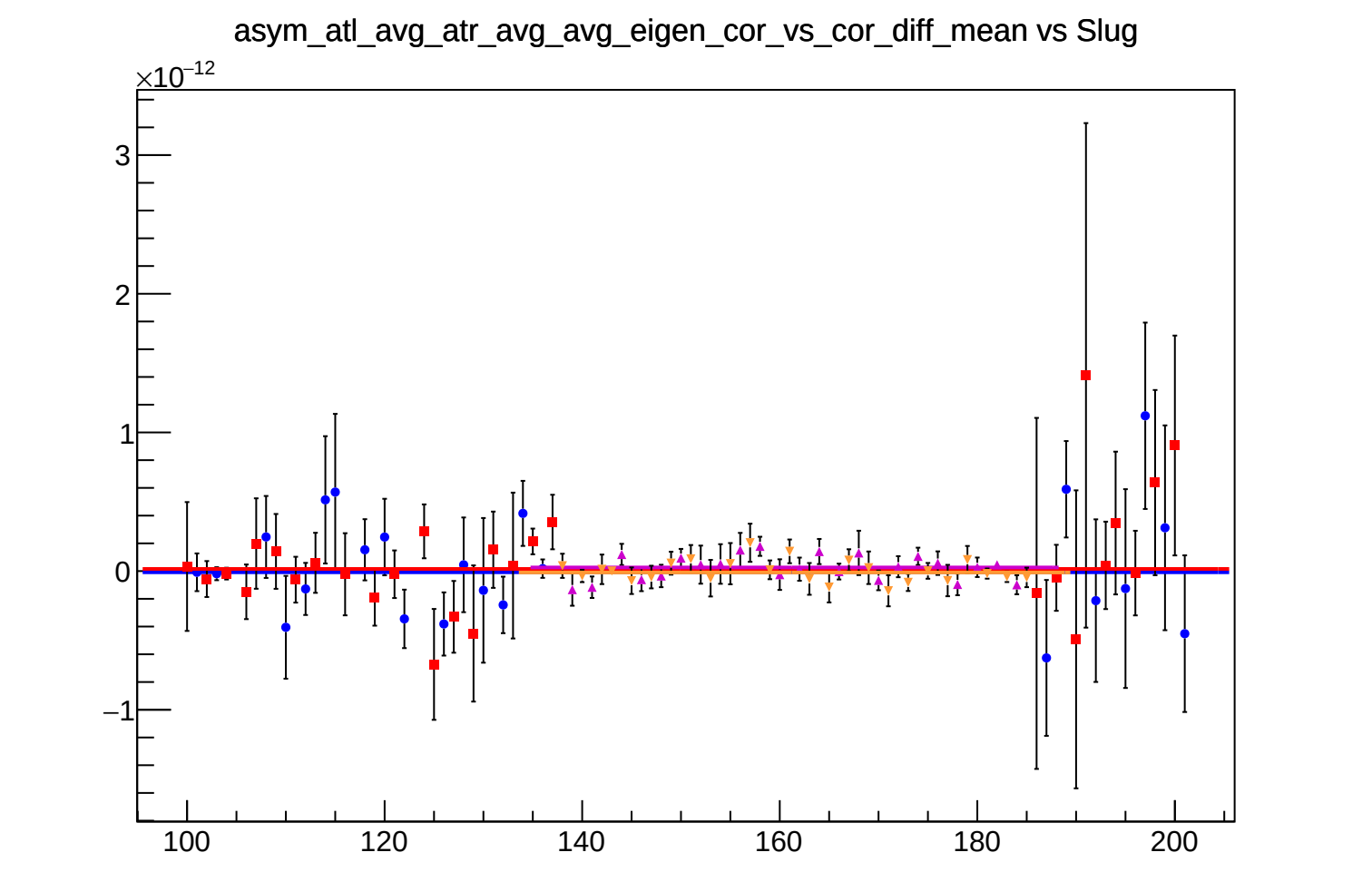
Right Out: 152.202+/-0.033 χ^2/NDF: 4202764.6/27

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 227.714+/-0.032 χ^2/NDF: 9964317.5/47

All: 209.361+/-0.021 χ^2/NDF: 23310206.3/98

- sign 195.023+/-0.028 χ^2/NDF: 12759761.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

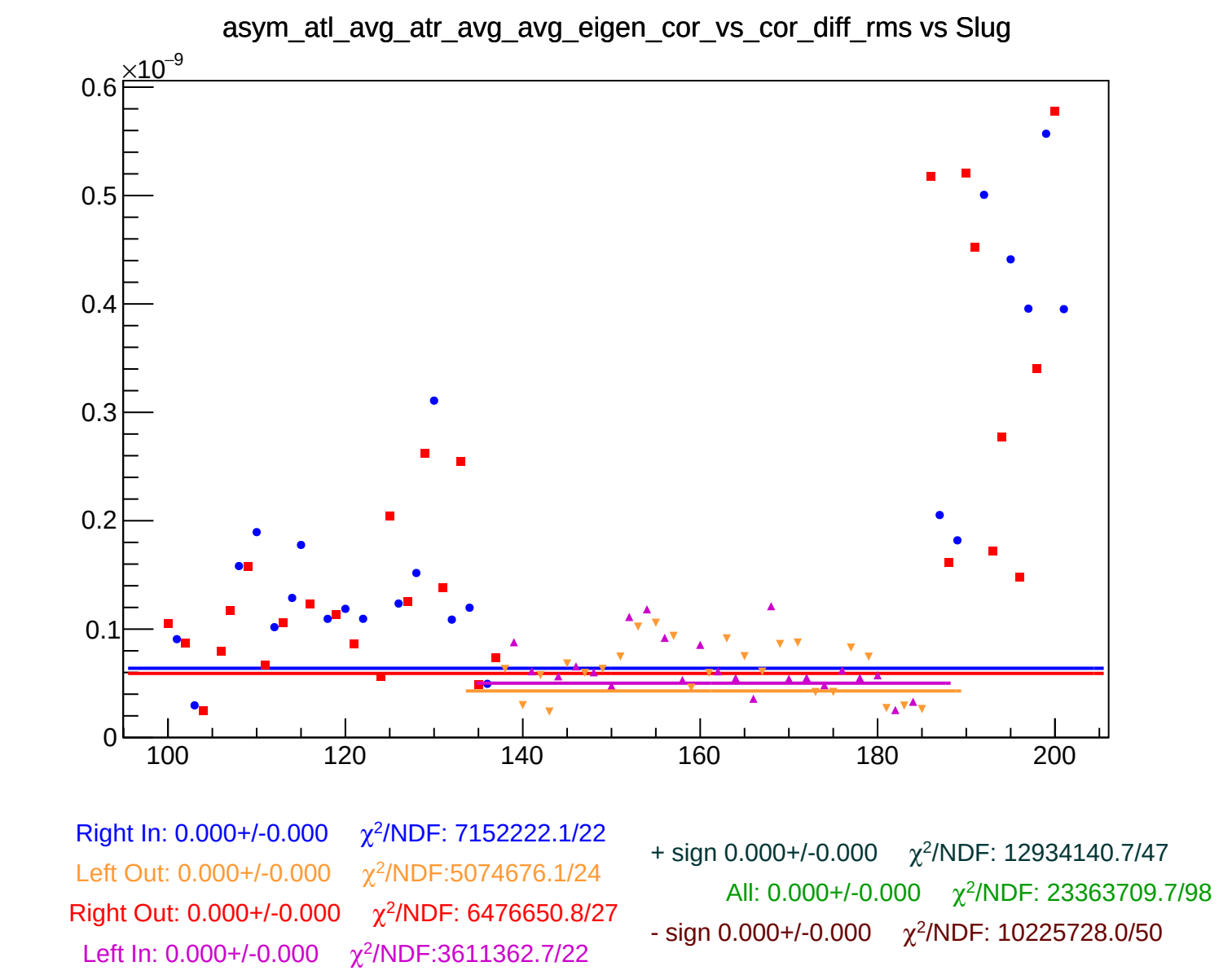
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/27

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

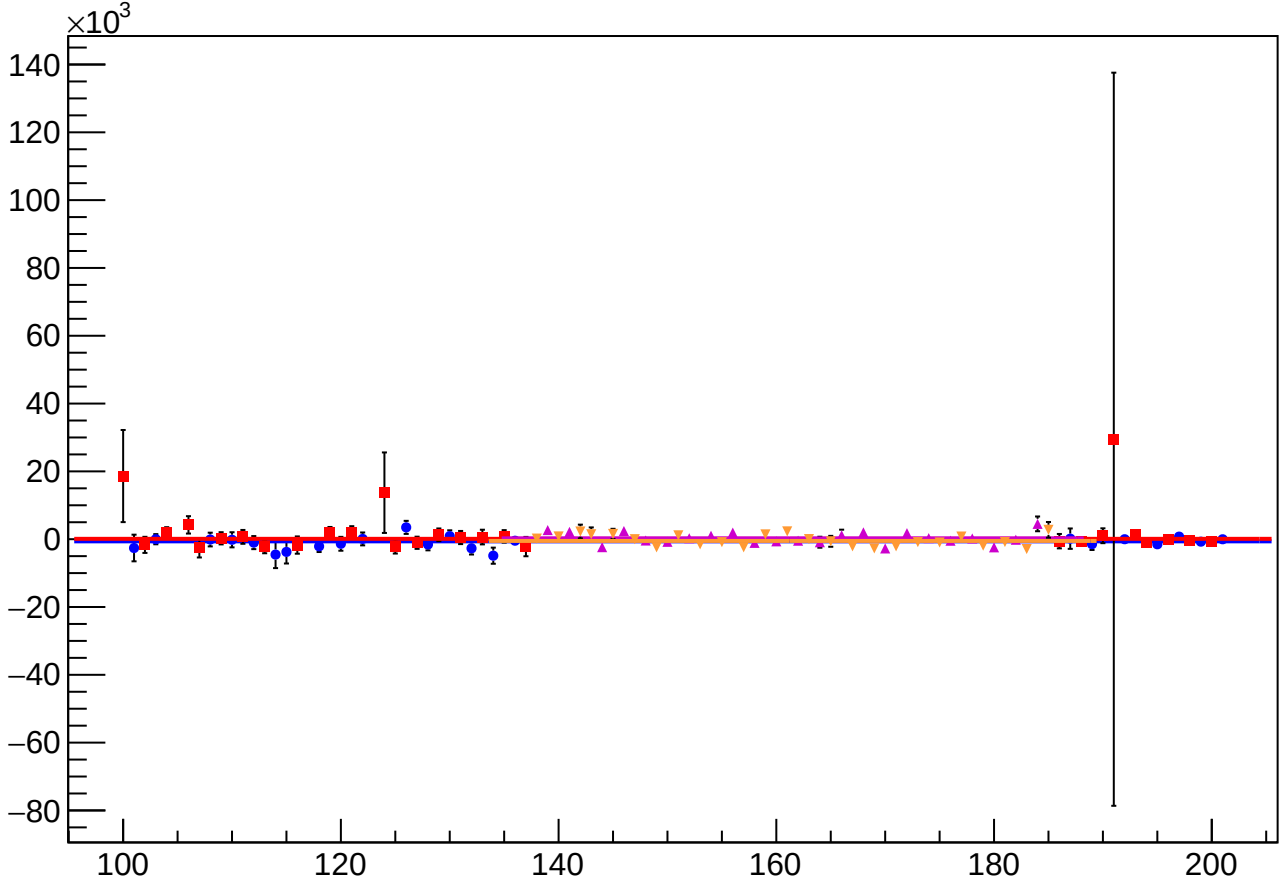
+ sign -0.000+/-0.000 χ^2/NDF: 40.3/47

All: 0.000+/-0.000 χ^2/NDF: 93.7/98

- sign 0.000+/-0.000 χ^2/NDF: 50.0/50


asym_atl_avg_atr_avg_avg_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: 7152222.1/22
Left Out: 0.000+/-0.000 χ²/NDF:5074676.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6476650.8/27
Left In: 0.000+/-0.000 χ²/NDF:3611362.7/22
+ sign 0.000+/-0.000 χ²/NDF: 12934140.7/47
All: 0.000+/-0.000 χ²/NDF: 23363709.7/98
- sign 0.000+/-0.000 χ²/NDF: 10225728.0/50

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: 104.047+/-358.219 χ^2/NDF: 18.5/27

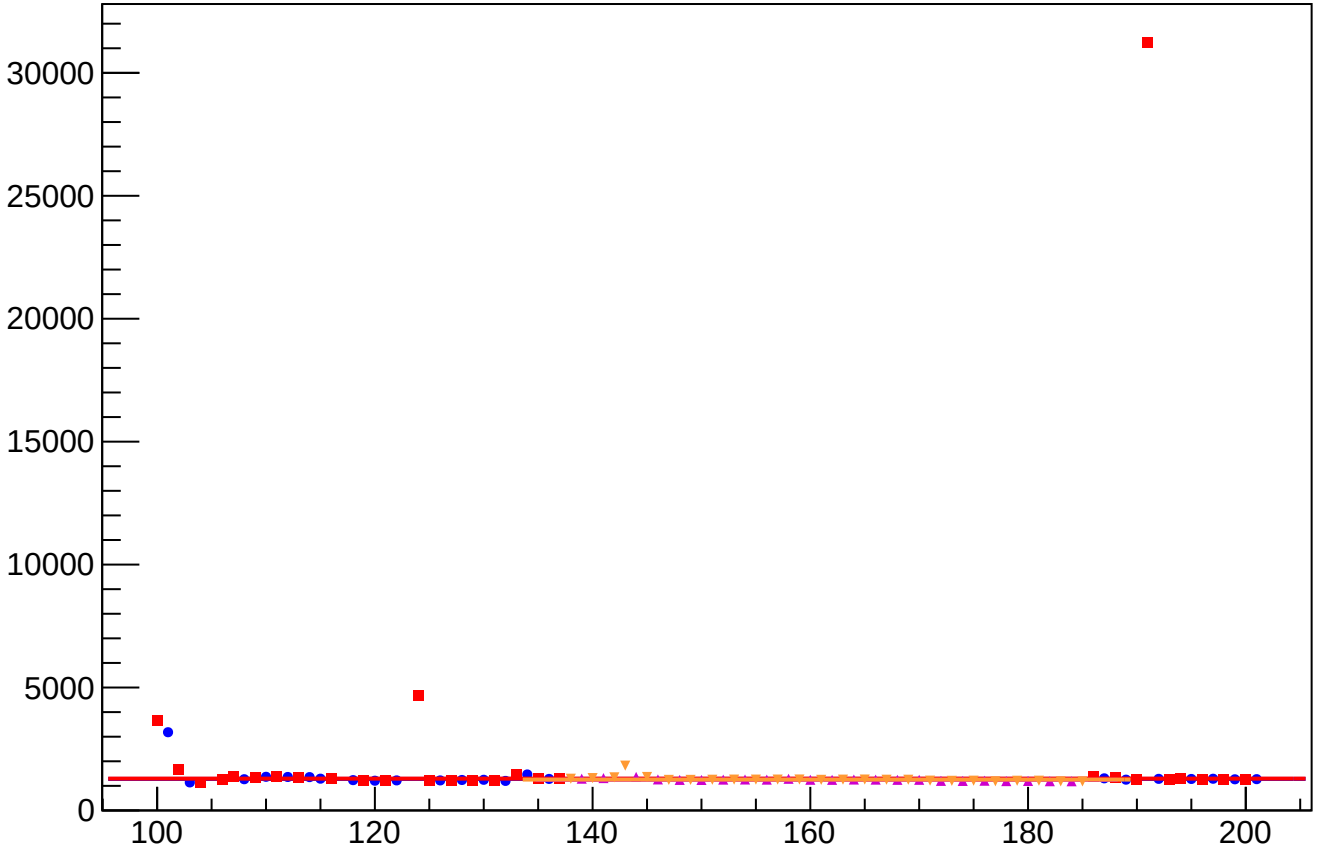
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -560.246+/-226.039 χ^2/NDF: 46.6/47

All: -186.199+/-159.800 χ^2/NDF: 102.7/98

- sign 187.530+/-225.943 χ^2/NDF: 50.6/50

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

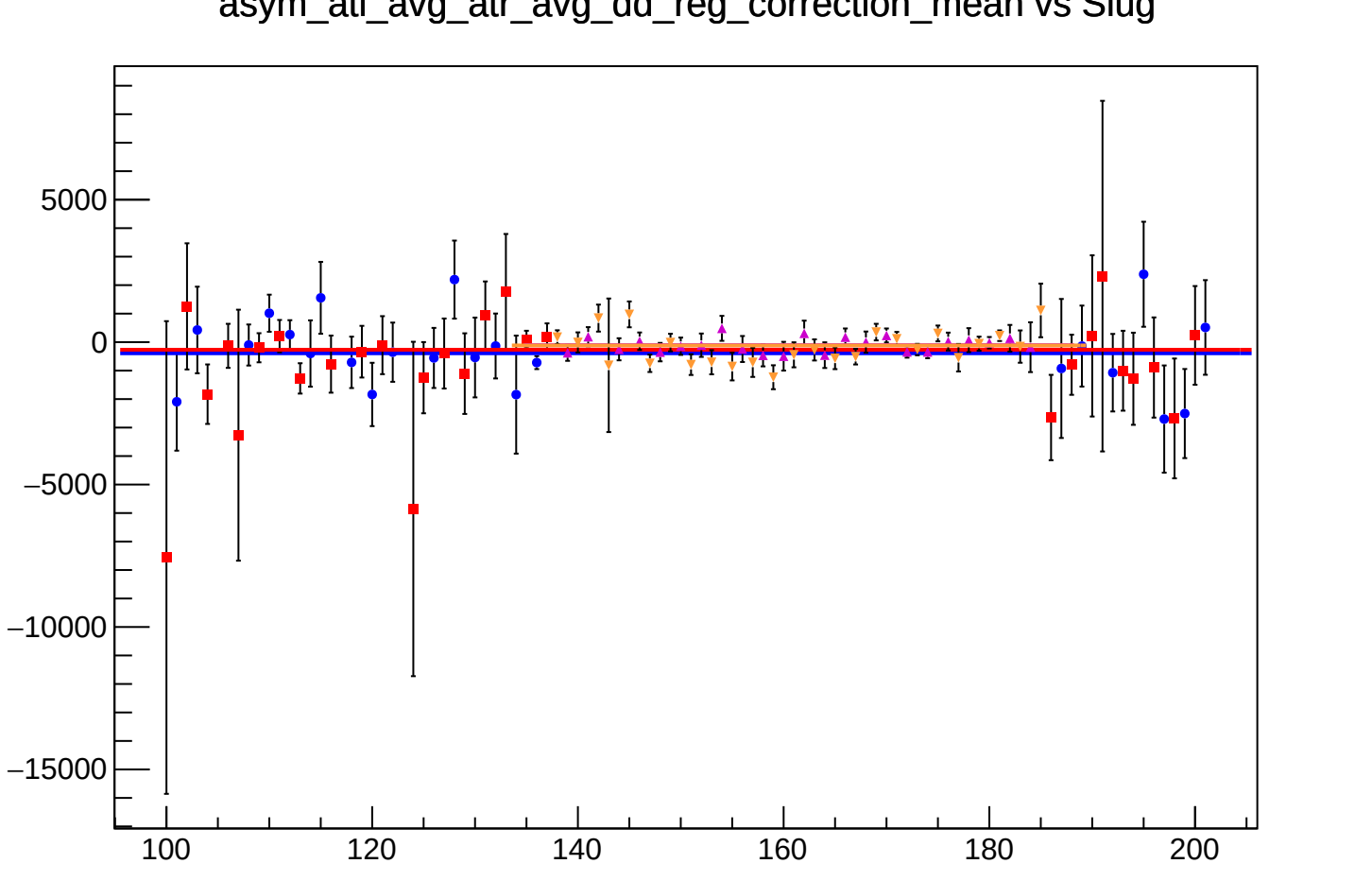
Right Out: 1294.658+/-0.253 χ^2/NDF: 490544.4/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

\+ sign 1265.591+/-0.160 χ^2/NDF: 729127.1/47

All: 1265.581+/-0.113 χ^2/NDF: 1281426.4/98

\- sign 1265.571+/-0.160 χ^2/NDF: 552299.3/50



Right In: -392.238+/-162.445 χ^2/NDF: 24.4/22

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

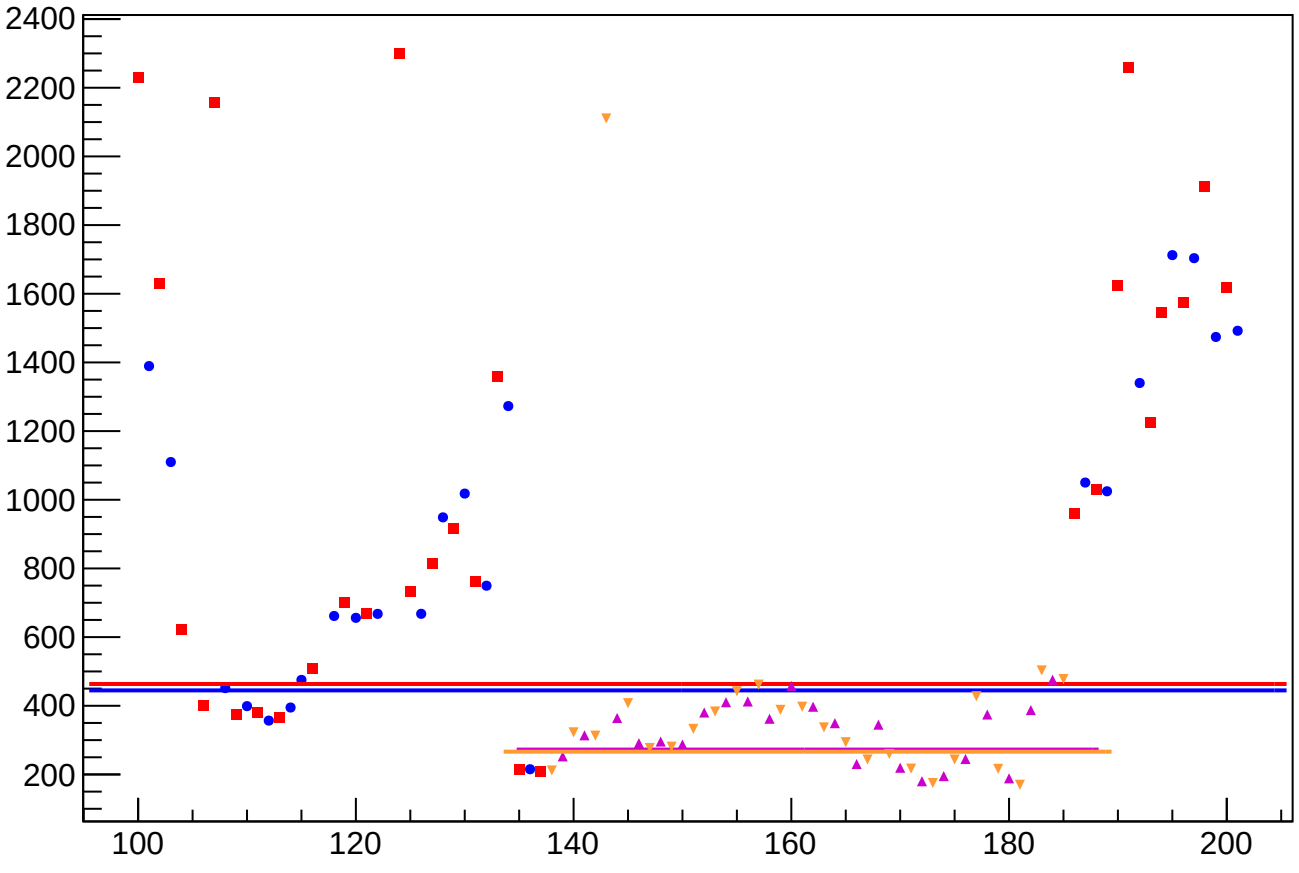
Right Out: -267.969+/-162.126 χ^2/NDF: 20.0/27

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -155.070+/-60.395 χ^2/NDF: 75.3/47

All: -143.225+/-43.235 χ^2/NDF: 110.0/98

\- sign -130.773+/-61.921 χ^2/NDF: 34.6/50



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: 463.469+/-0.115 χ^2/NDF: 9928945.9/27

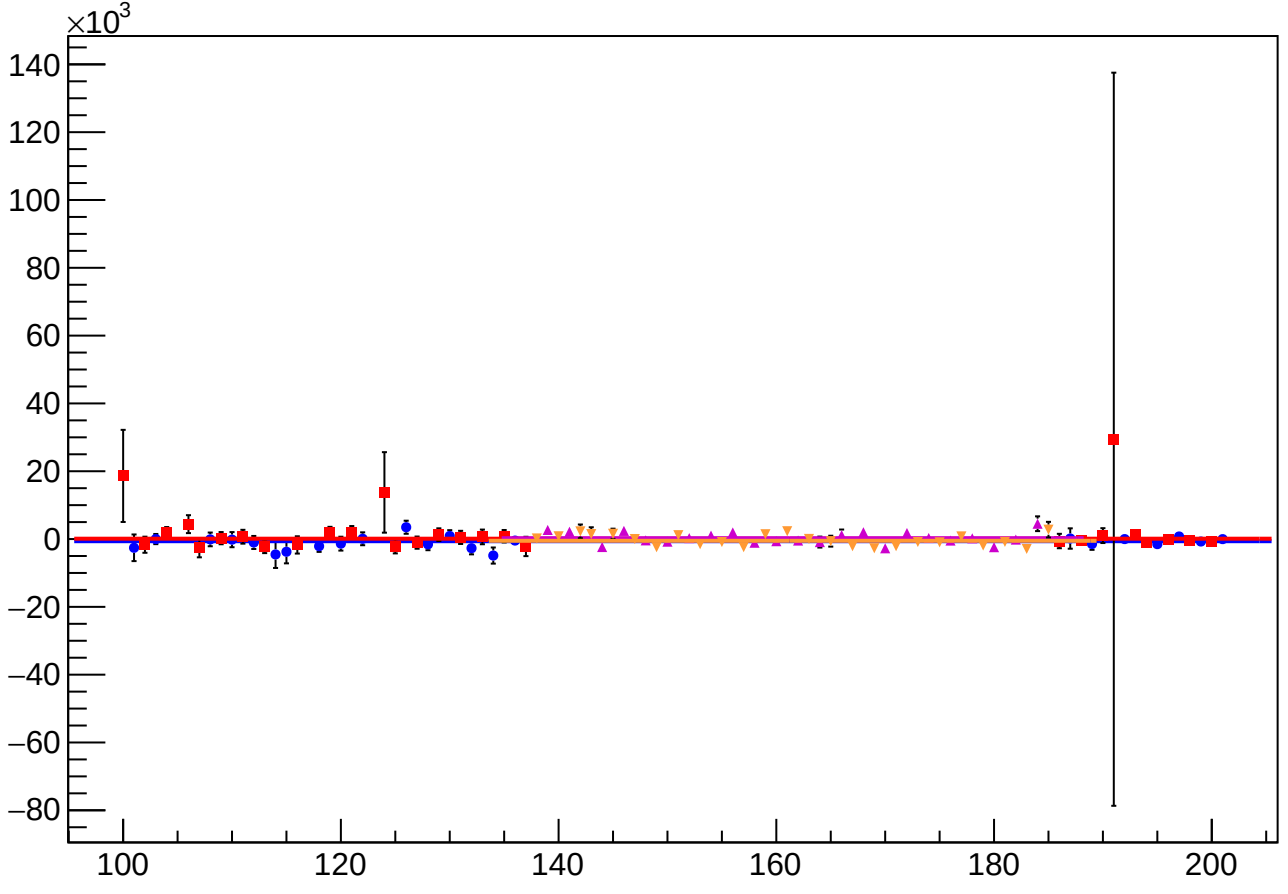
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 290.994+/-0.043 χ^2/NDF: 16050848.0/47

All: 295.504+/-0.031 χ^2/NDF: 31263913.6/98

- sign 300.245+/-0.044 χ^2/NDF: 15190190.5/50

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: 102.318+/-358.428 χ^2/NDF: 18.6/27

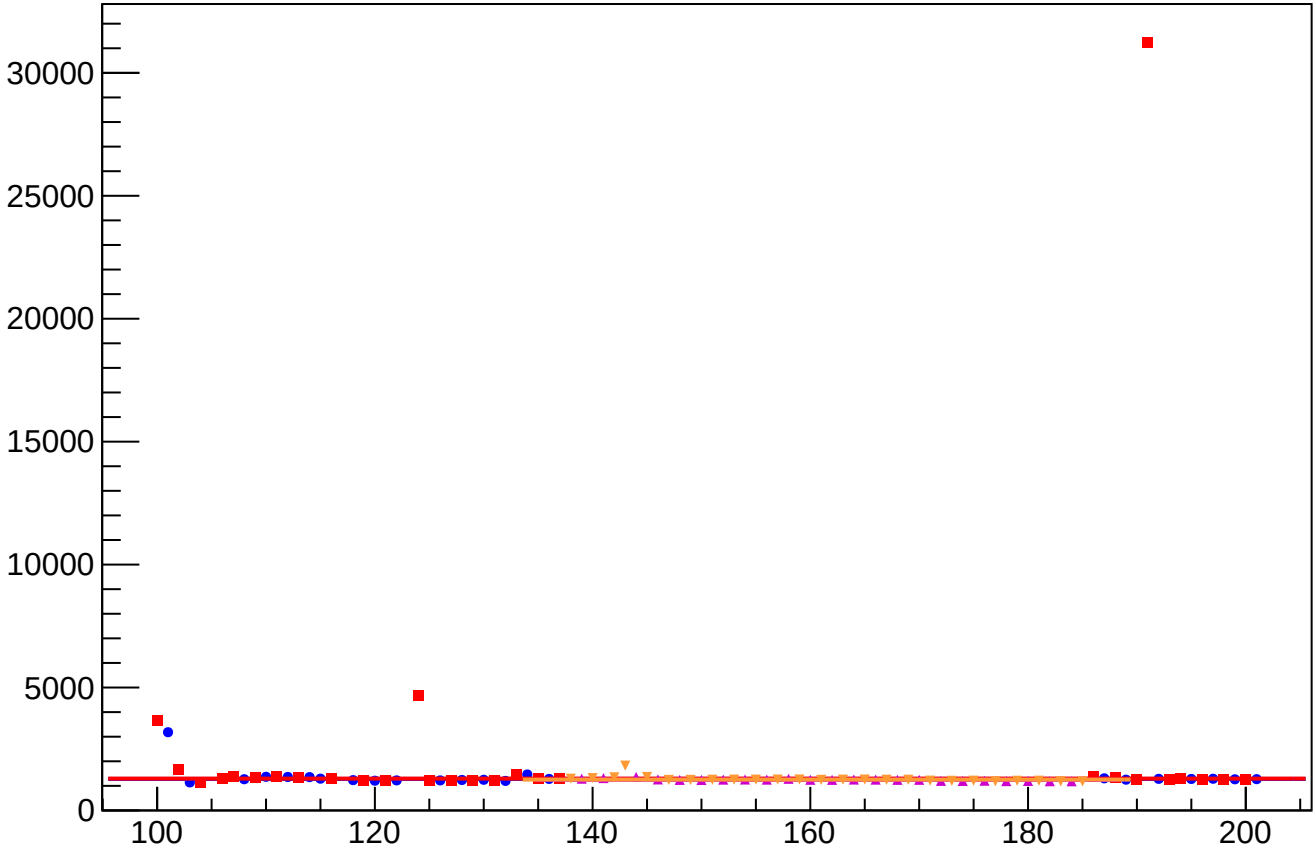
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -560.142+/-226.039 χ^2/NDF: 46.6/47

All: -186.565+/-159.819 χ^2/NDF: 102.8/98

- sign 186.868+/-225.996 χ^2/NDF: 50.7/50

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

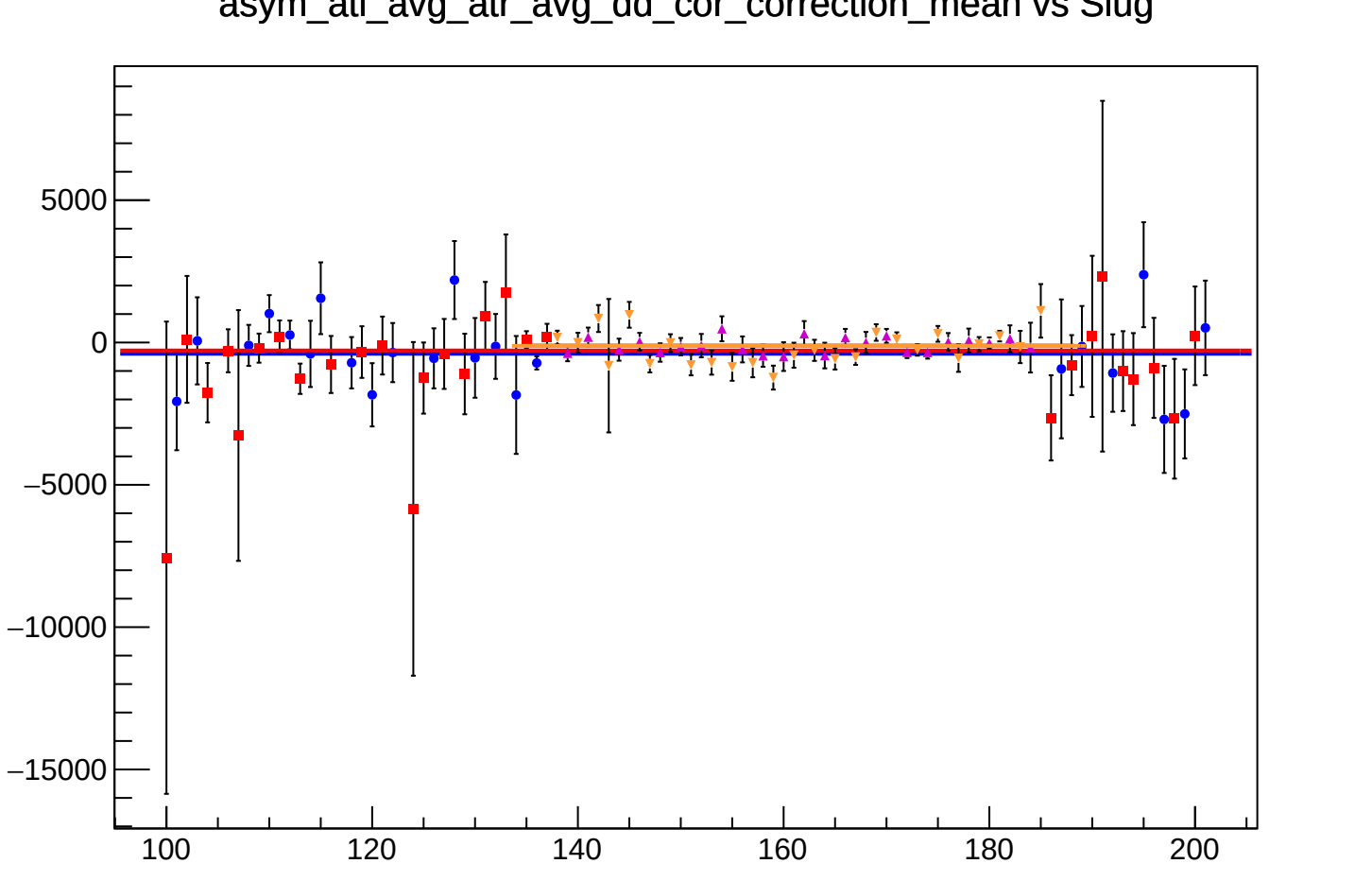
Right Out: 1295.444+/-0.253 χ^2/NDF: 490255.8/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.590+/-0.160 χ^2/NDF: 729128.4/47

All: 1265.730+/-0.113 χ^2/NDF: 1281843.9/98

- sign 1265.870+/-0.160 χ^2/NDF: 552713.9/50



Right In: -396.395+/-162.462 χ^2/NDF: 24.2/22

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

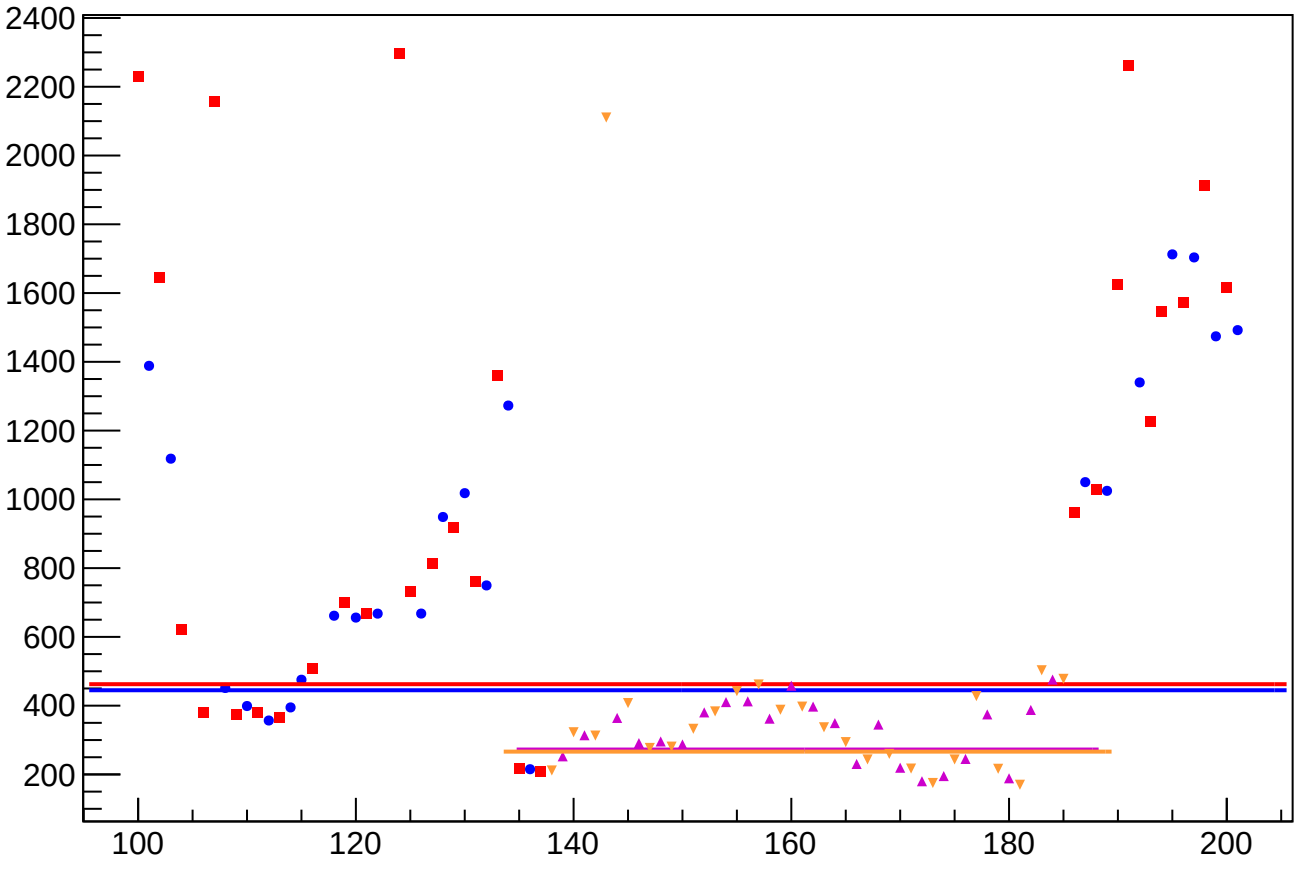
Right Out: -279.869+/-161.953 χ^2/NDF: 19.4/27

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -155.616+/-60.397 χ^2/NDF: 75.2/47

All: -144.421+/-43.233 χ^2/NDF: 109.3/98

- sign -132.656+/-61.913 χ^2/NDF: 34.1/50



Right In: 444.824+/-0.115 χ^2/NDF: 9342865.2/22

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

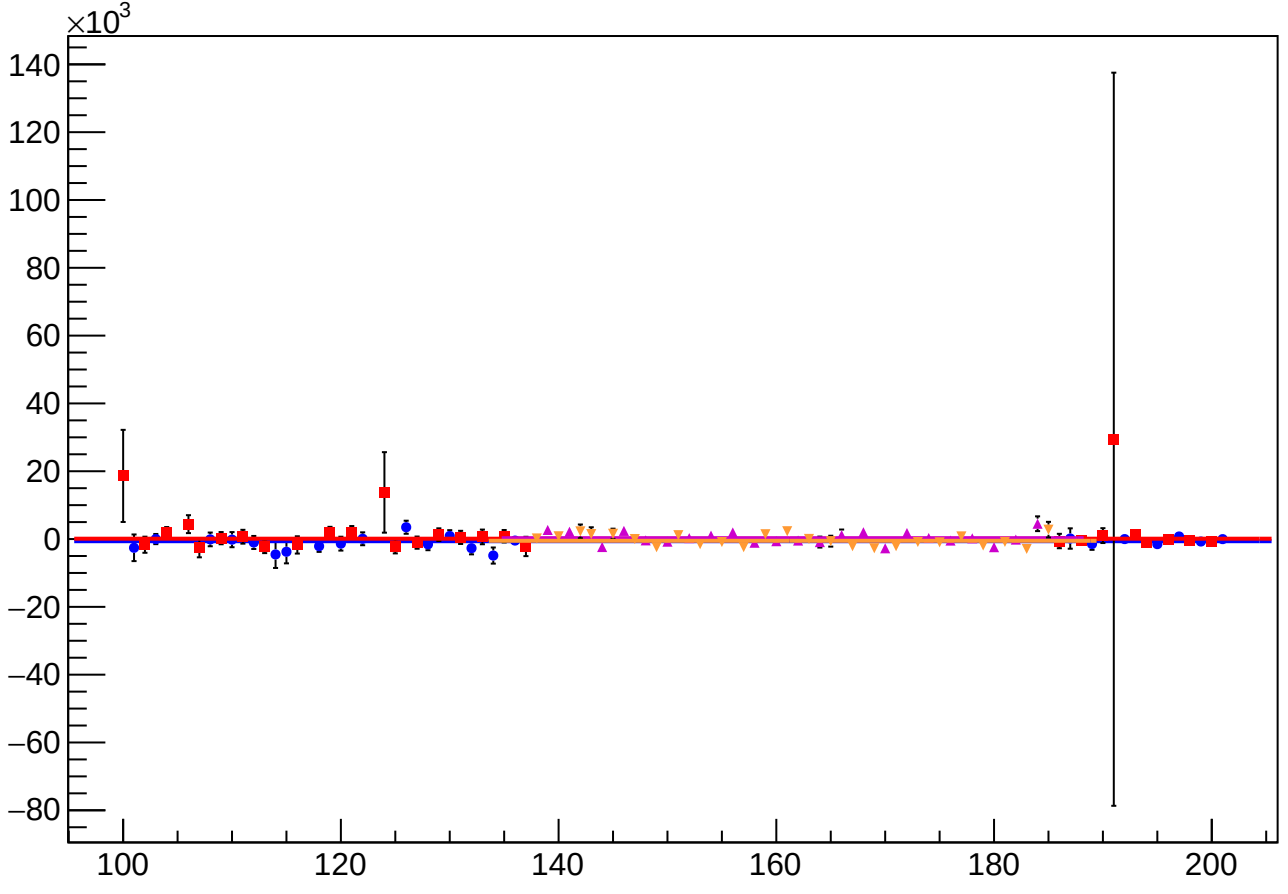
Right Out: 462.439+/-0.115 χ^2/NDF: 9946092.5/27

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 290.996+/-0.043 χ^2/NDF: 16053661.2/47

All: 295.462+/-0.031 χ^2/NDF: 31261708.7/98

- sign 300.155+/-0.044 χ^2/NDF: 15185622.9/50



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: 102.318+/-358.428 χ^2/NDF: 18.6/27

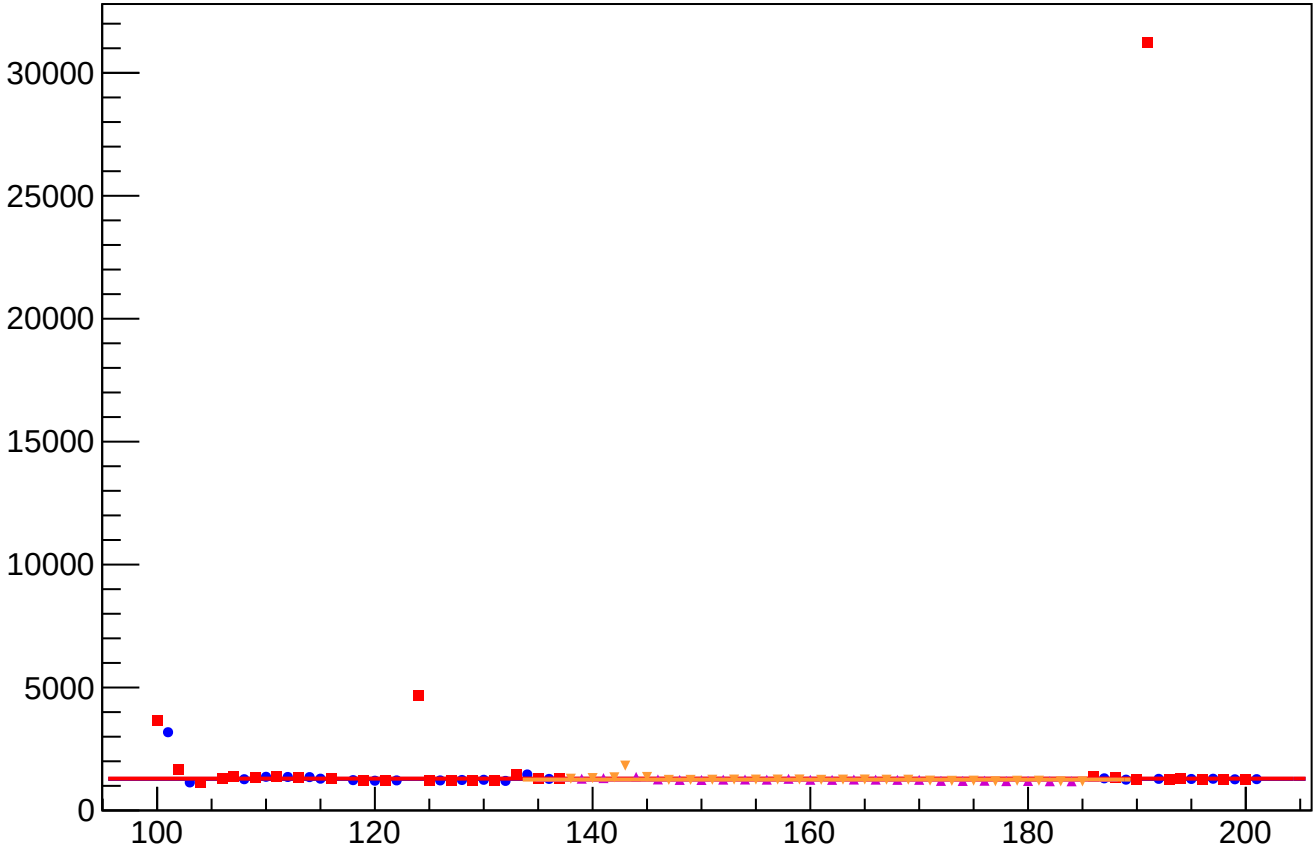
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -560.142+/-226.039 χ^2/NDF: 46.6/47

All: -186.565+/-159.819 χ^2/NDF: 102.8/98

- sign 186.868+/-225.996 χ^2/NDF: 50.7/50

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

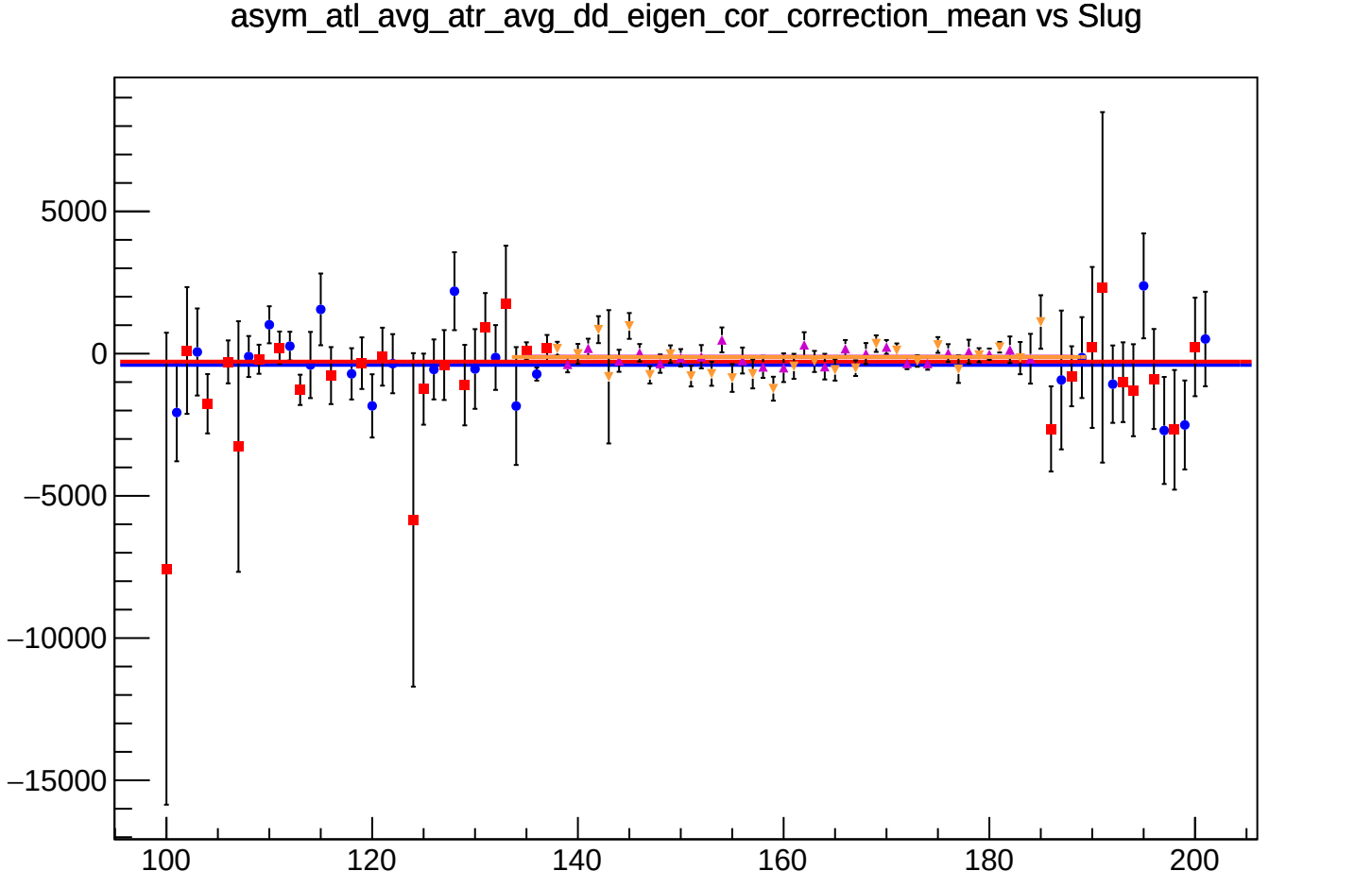
Right Out: 1295.444+/-0.253 χ^2/NDF: 490255.8/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.590+/-0.160 χ^2/NDF: 729128.4/47

All: 1265.730+/-0.113 χ^2/NDF: 1281843.9/98

- sign 1265.870+/-0.160 χ^2/NDF: 552713.9/50



Right In: -396.395+/-162.462 χ^2/NDF: 24.2/22

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

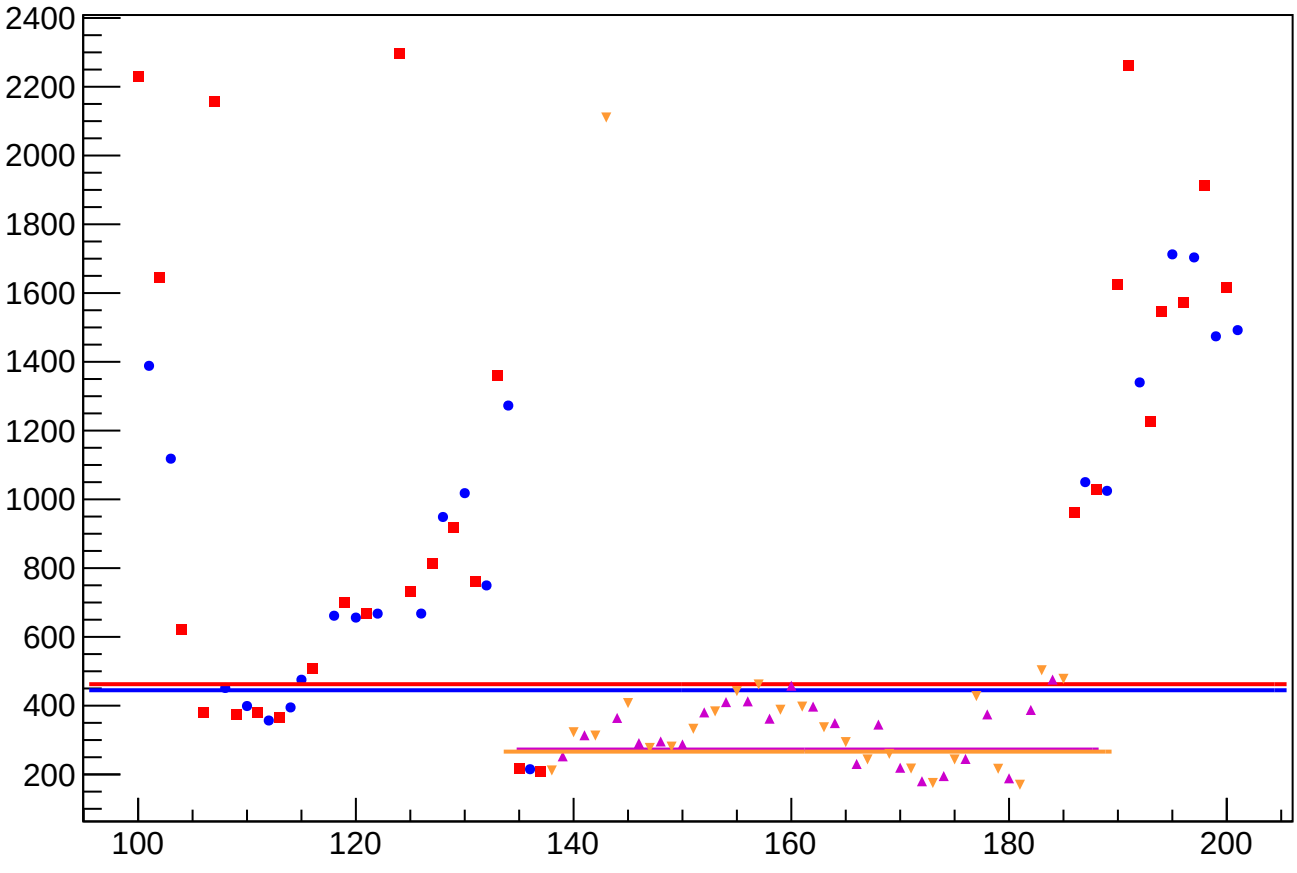
Right Out: -279.869+/-161.953 χ^2/NDF: 19.4/27

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -155.616+/-60.397 χ^2/NDF: 75.2/47

All: -144.421+/-43.233 χ^2/NDF: 109.3/98

- sign -132.656+/-61.913 χ^2/NDF: 34.1/50



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: 462.439+/-0.115 χ^2/NDF: 9946092.5/27

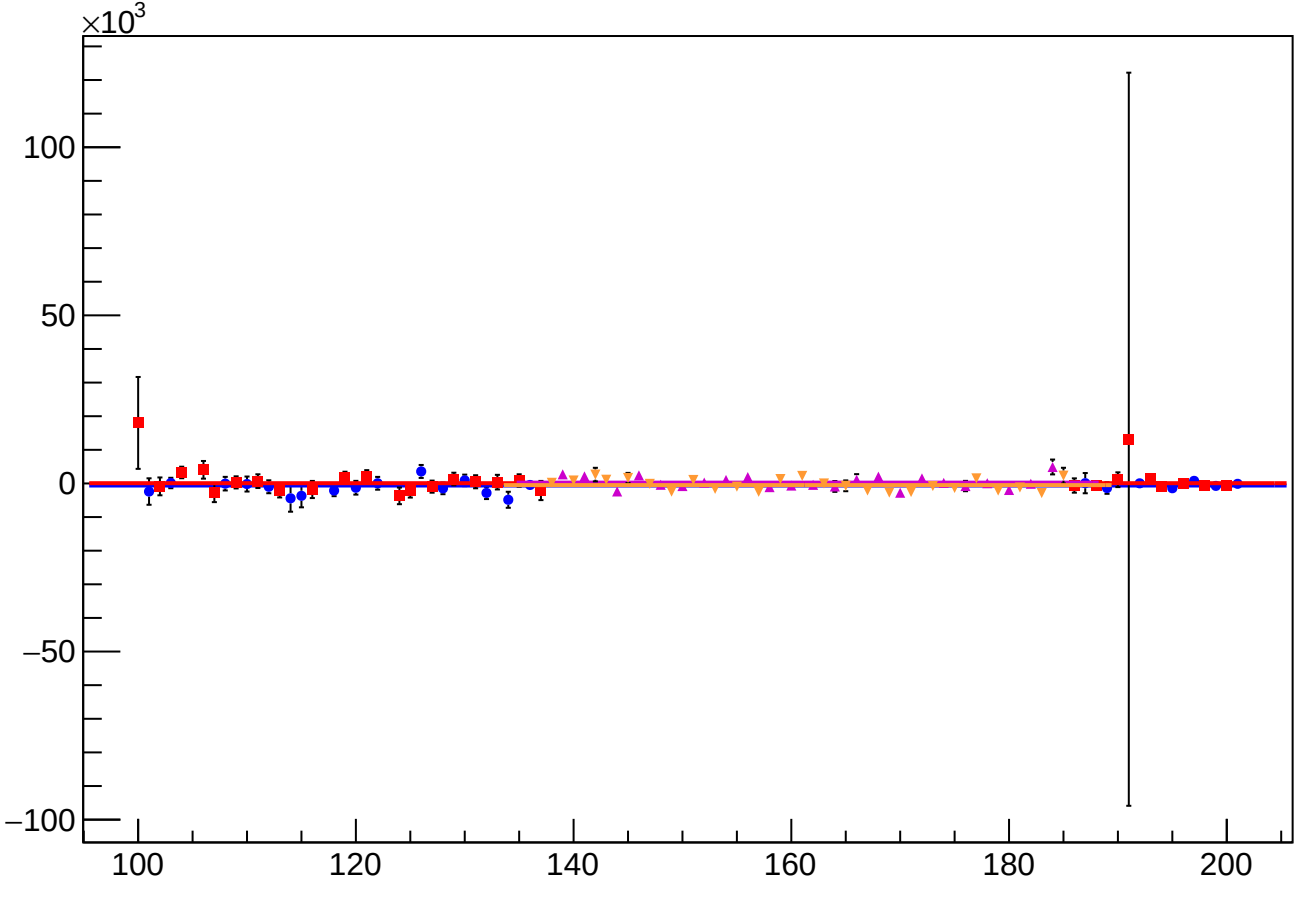
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 290.996+/-0.043 χ^2/NDF: 16053661.2/47

All: 295.462+/-0.031 χ^2/NDF: 31261708.7/98

- sign 300.155+/-0.044 χ^2/NDF: 15185622.9/50

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: 77.206+/-357.247 χ^2/NDF: 20.4/27

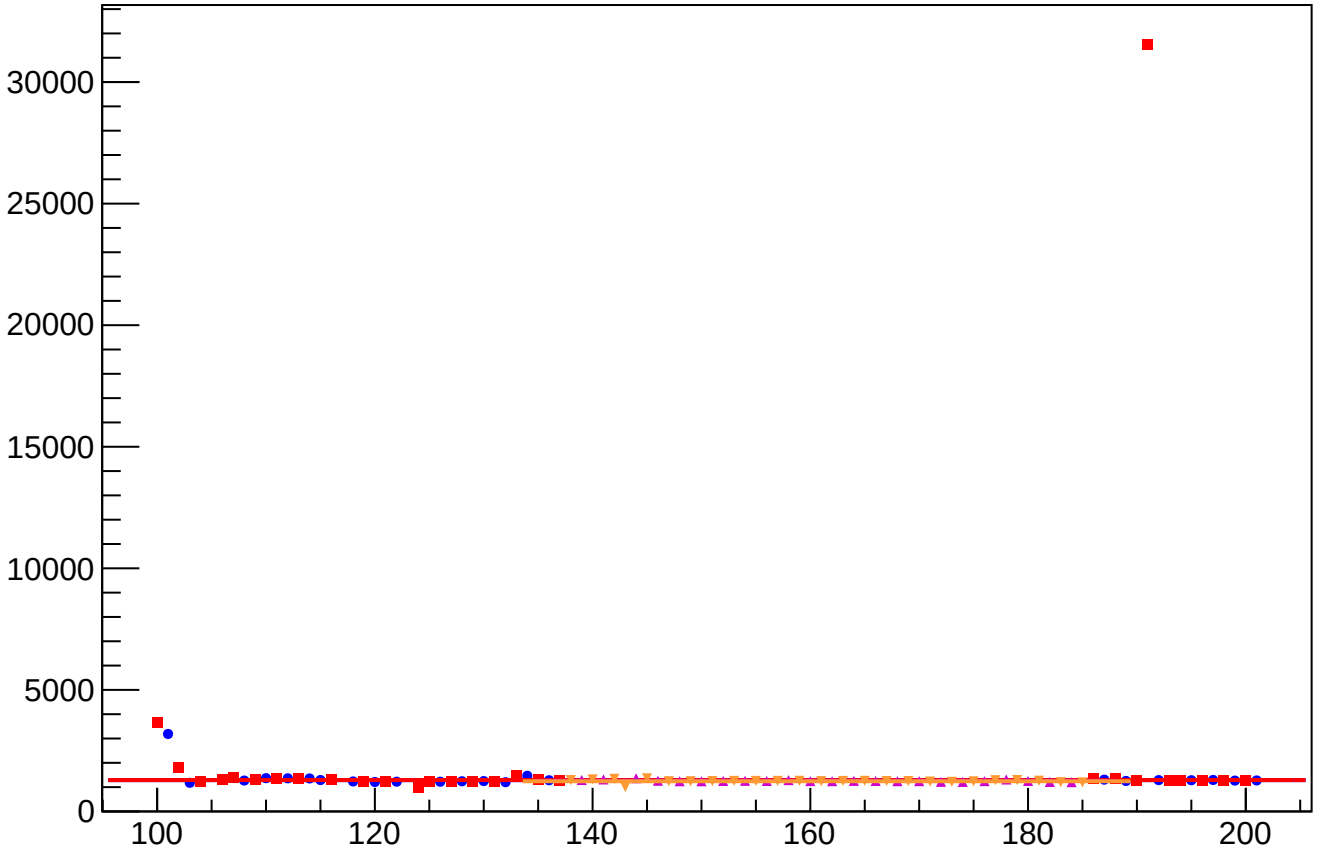
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -537.707+/-224.741 χ^2/NDF: 49.9/47

All: -184.997+/-159.767 χ^2/NDF: 106.1/98

- sign 175.368+/-227.167 χ^2/NDF: 51.2/50

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

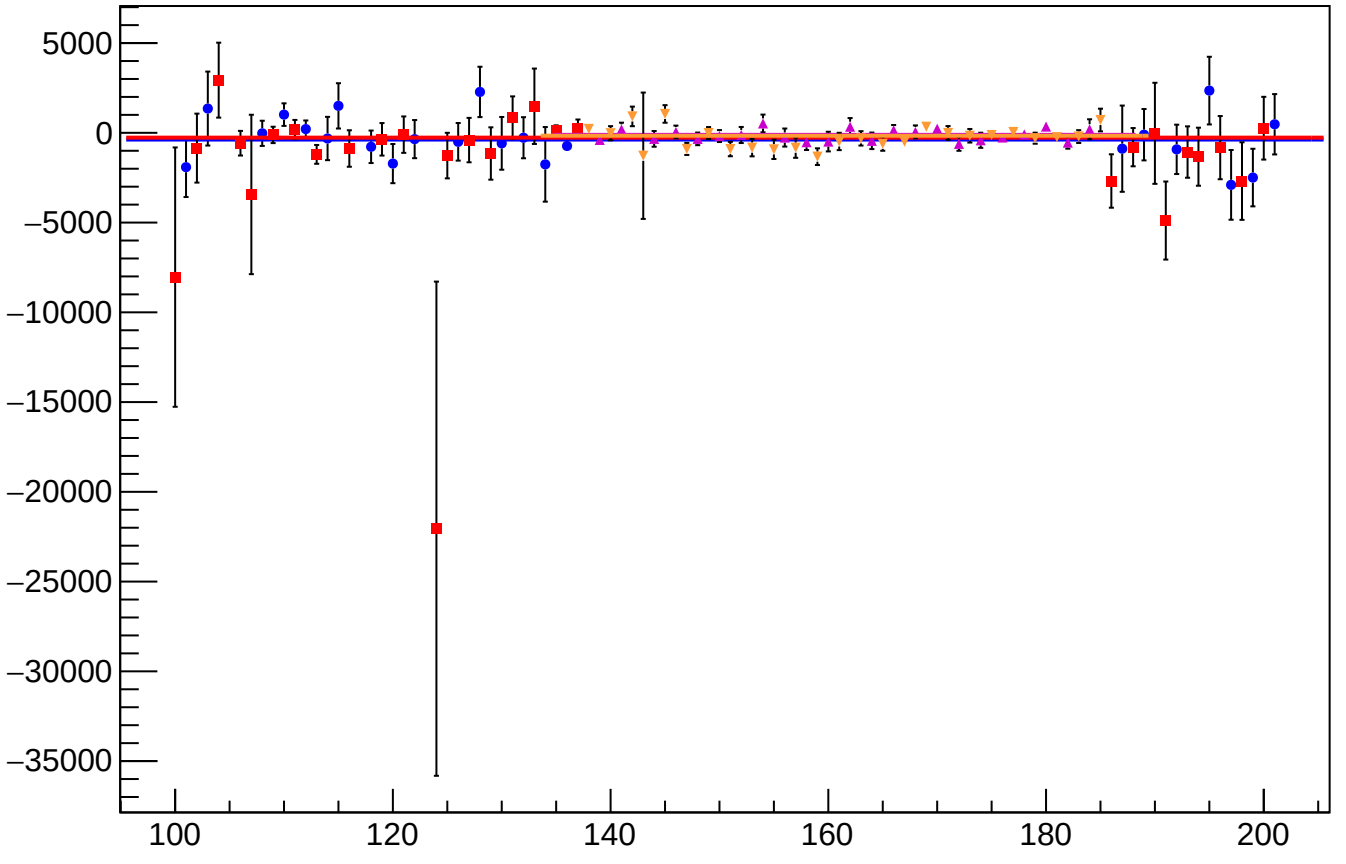
Right Out: 1291.441+/-0.253 χ^2/NDF: 372510.5/27

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.960+/-0.159 χ^2/NDF: 659345.3/47

All: 1265.790+/-0.113 χ^2/NDF: 1072695.6/98

- sign 1272.769+/-0.161 χ^2/NDF: 409615.3/50



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: -268.182+/-161.913 χ^2/NDF: 25.9/27

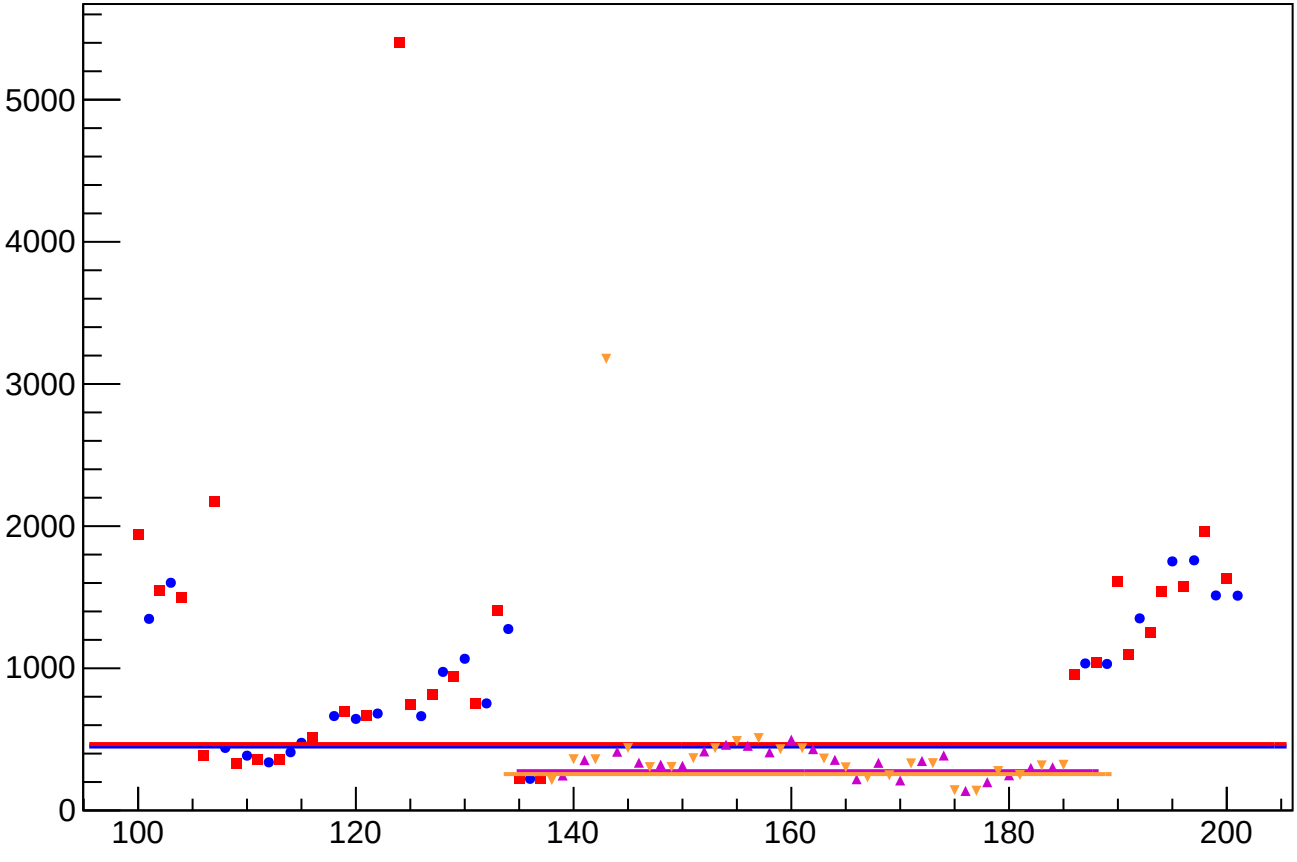
Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -189.206+/-59.737 χ^2/NDF: 69.7/47

All: -164.808+/-43.463 χ^2/NDF: 114.9/98

\- sign -137.369+/-63.352 χ^2/NDF: 44.8/50

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: 466.954+/-0.114 χ^2/NDF: 10455349.3/27

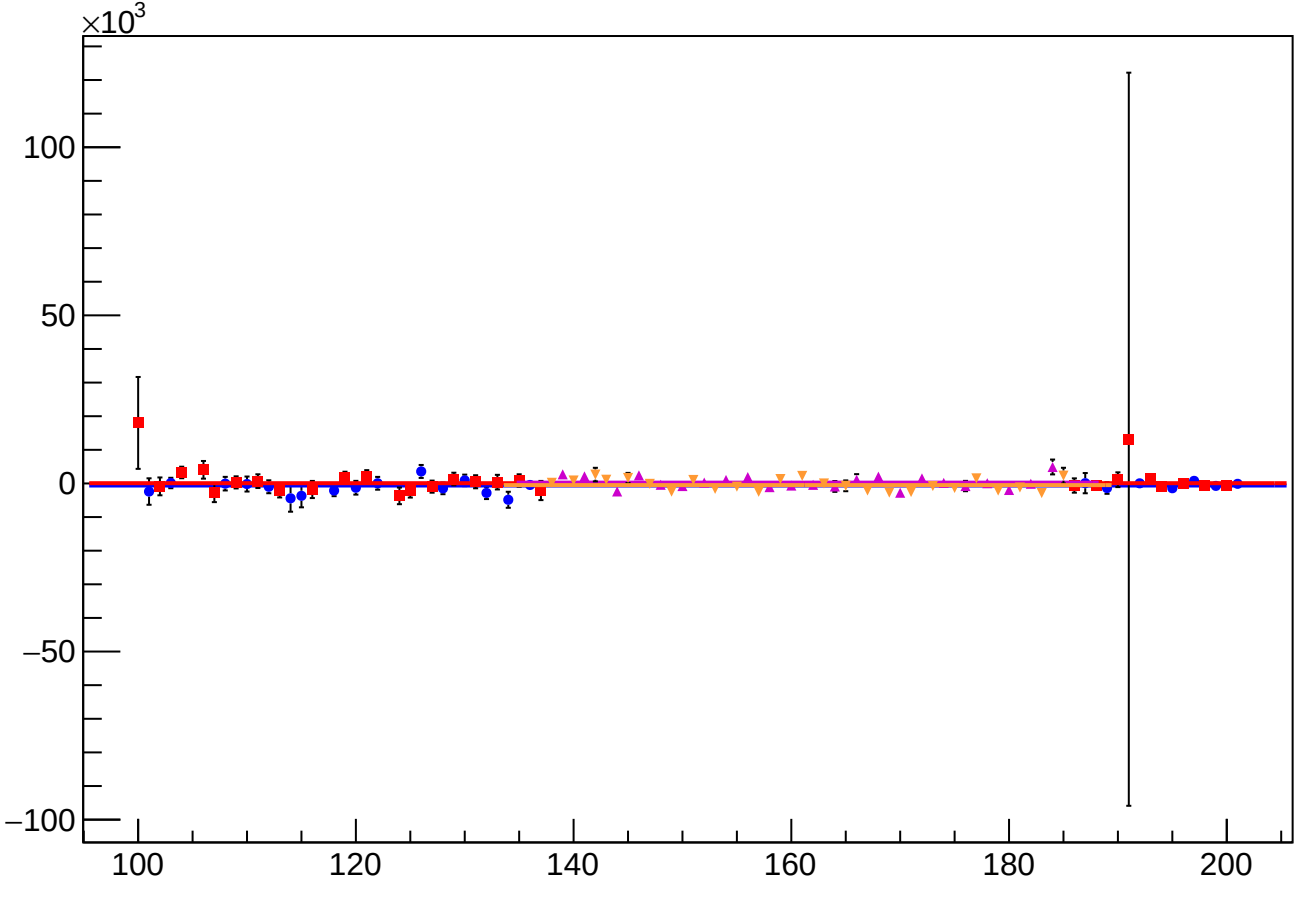
Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 281.431+/-0.042 χ^2/NDF: 18280827.2/47

All: 292.753+/-0.031 χ^2/NDF: 35264776.8/98

- sign 305.487+/-0.045 χ^2/NDF: 16831306.7/50

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



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: 77.206+/-357.247 χ^2/NDF: 20.4/27

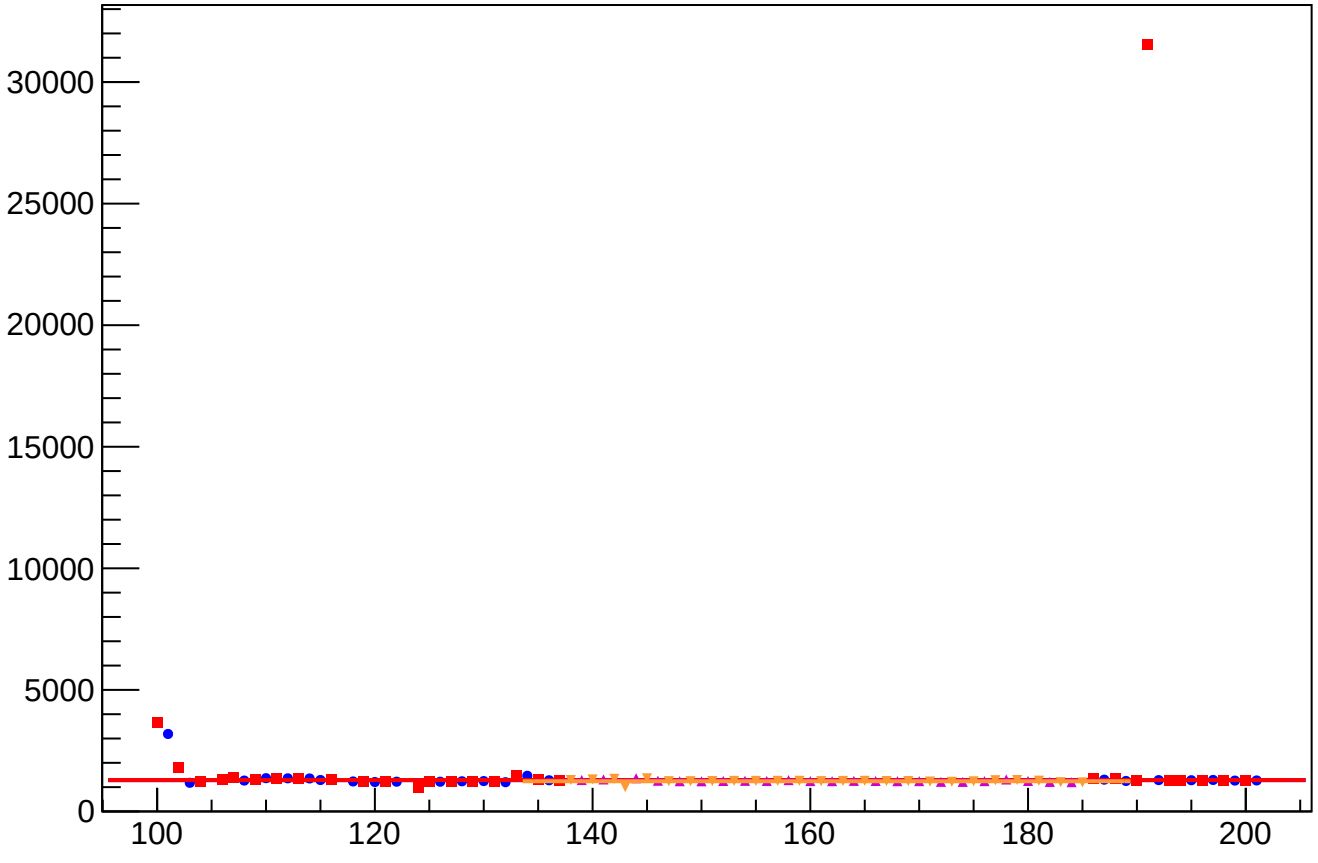
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -537.708+/-224.741 χ^2/NDF: 49.9/47

All: -184.997+/-159.767 χ^2/NDF: 106.1/98

- sign 175.368+/-227.167 χ^2/NDF: 51.2/50

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

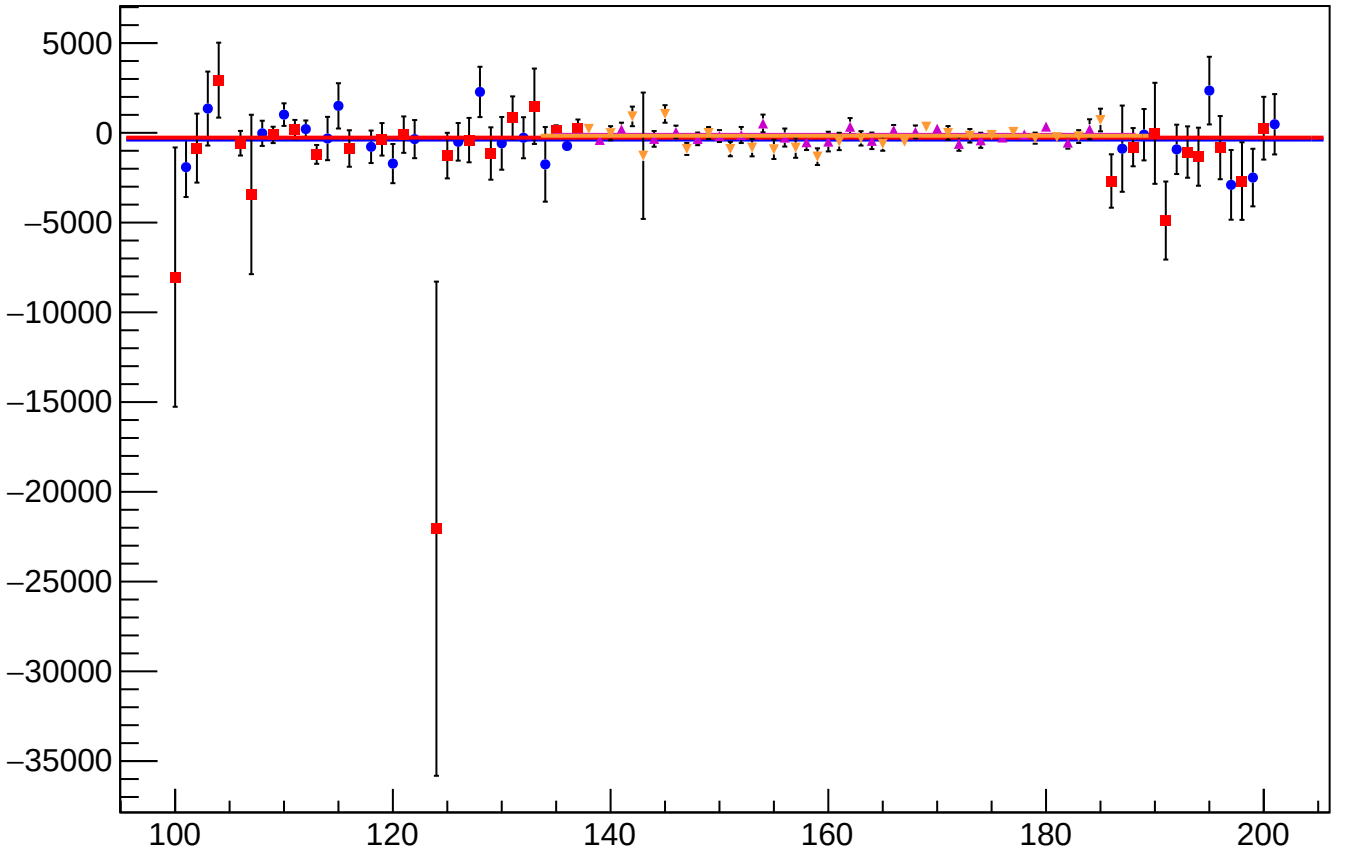
Right Out: 1291.441+/-0.253 χ^2/NDF: 372510.8/27

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.960+/-0.159 χ^2/NDF: 659344.4/47

All: 1265.790+/-0.113 χ^2/NDF: 1072695.1/98

- sign 1272.769+/-0.161 χ^2/NDF: 409615.6/50



Right In: -374.546+/-164.195 χ^2/NDF: 24.5/22

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

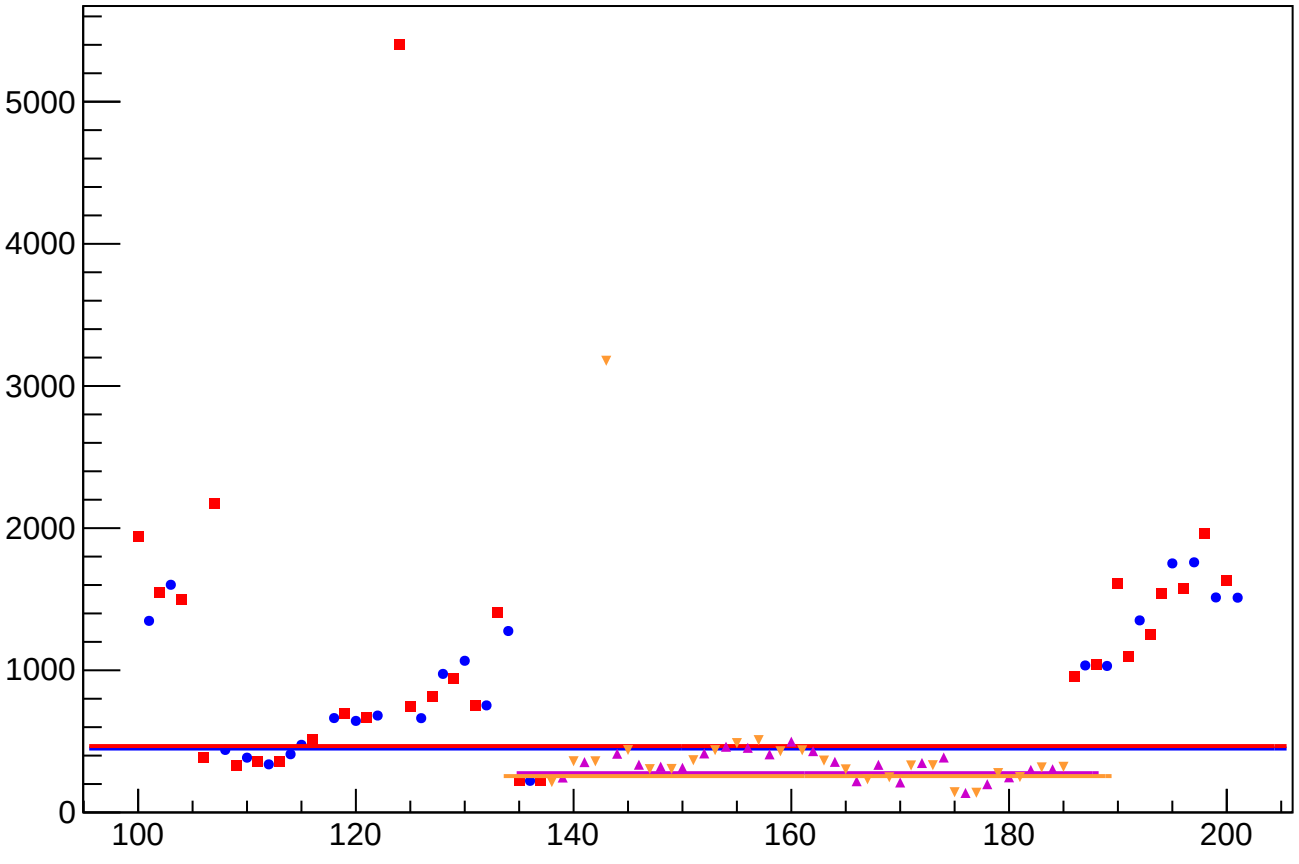
Right Out: -268.191+/-161.915 χ^2/NDF: 25.9/27

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

\+ sign -189.208+/-59.738 χ^2/NDF: 69.7/47

All: -164.809+/-43.463 χ^2/NDF: 114.9/98

\- sign -137.368+/-63.352 χ^2/NDF: 44.8/50



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: 466.963+/-0.114 χ^2/NDF: 10455111.4/27

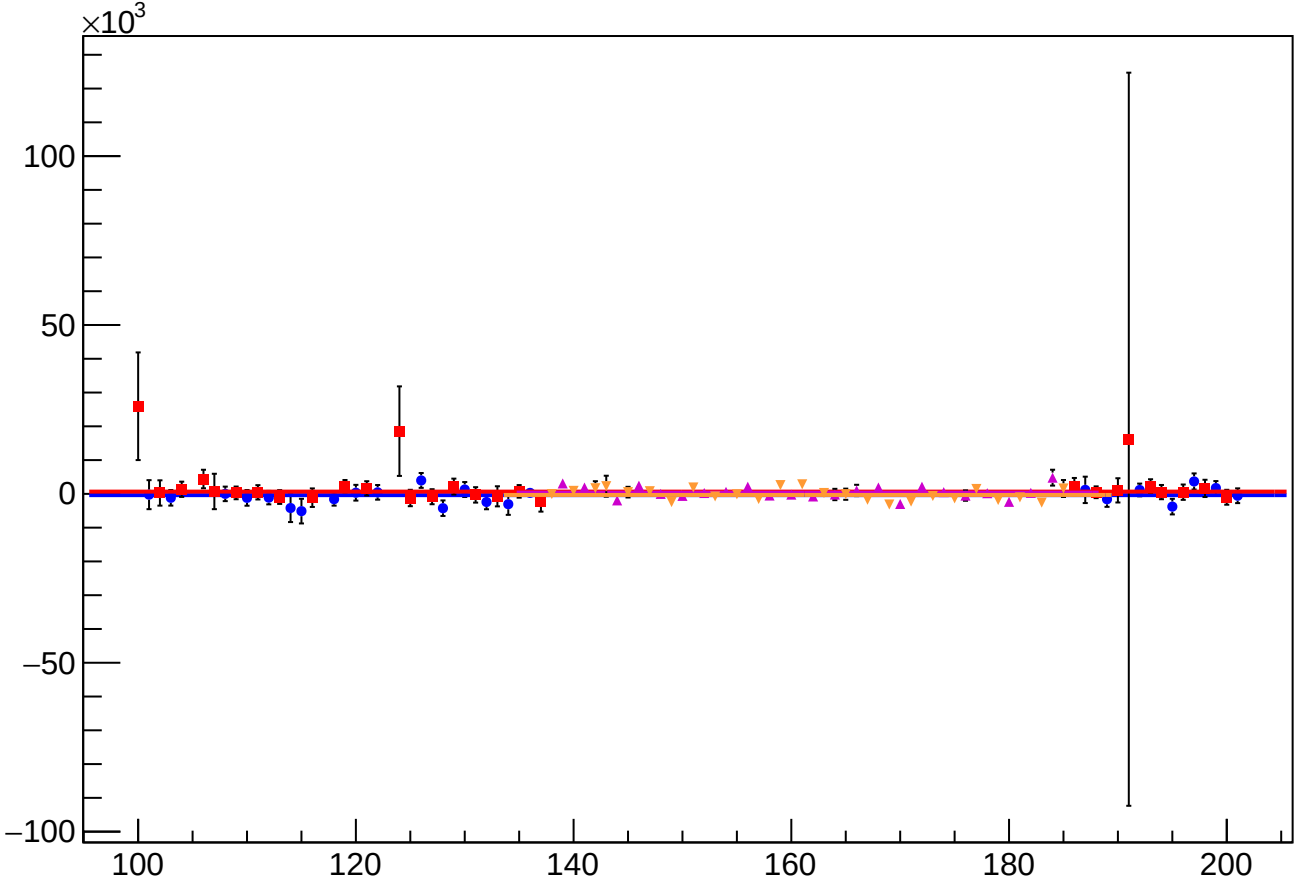
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 281.433+/-0.042 χ^2/NDF: 18280630.7/47

All: 292.755+/-0.031 χ^2/NDF: 35264455.1/98

- sign 305.488+/-0.045 χ^2/NDF: 16831193.2/50

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: 668.451+/-461.866 χ^2/NDF: 13.1/27

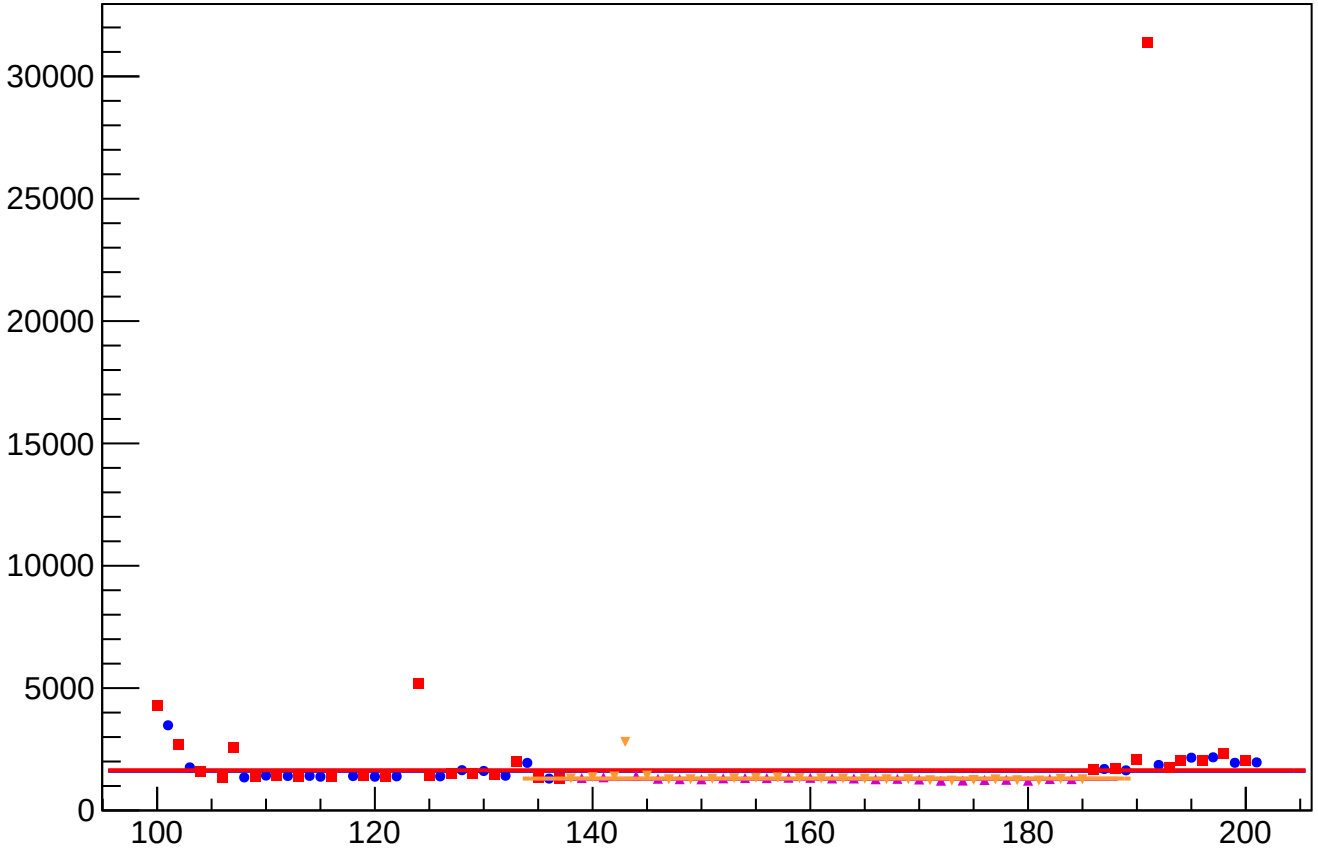
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -335.692+/-252.132 χ^2/NDF: 51.5/47

All: 56.166+/-178.486 χ^2/NDF: 99.4/98

- sign 449.807+/-252.705 χ^2/NDF: 43.1/50

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

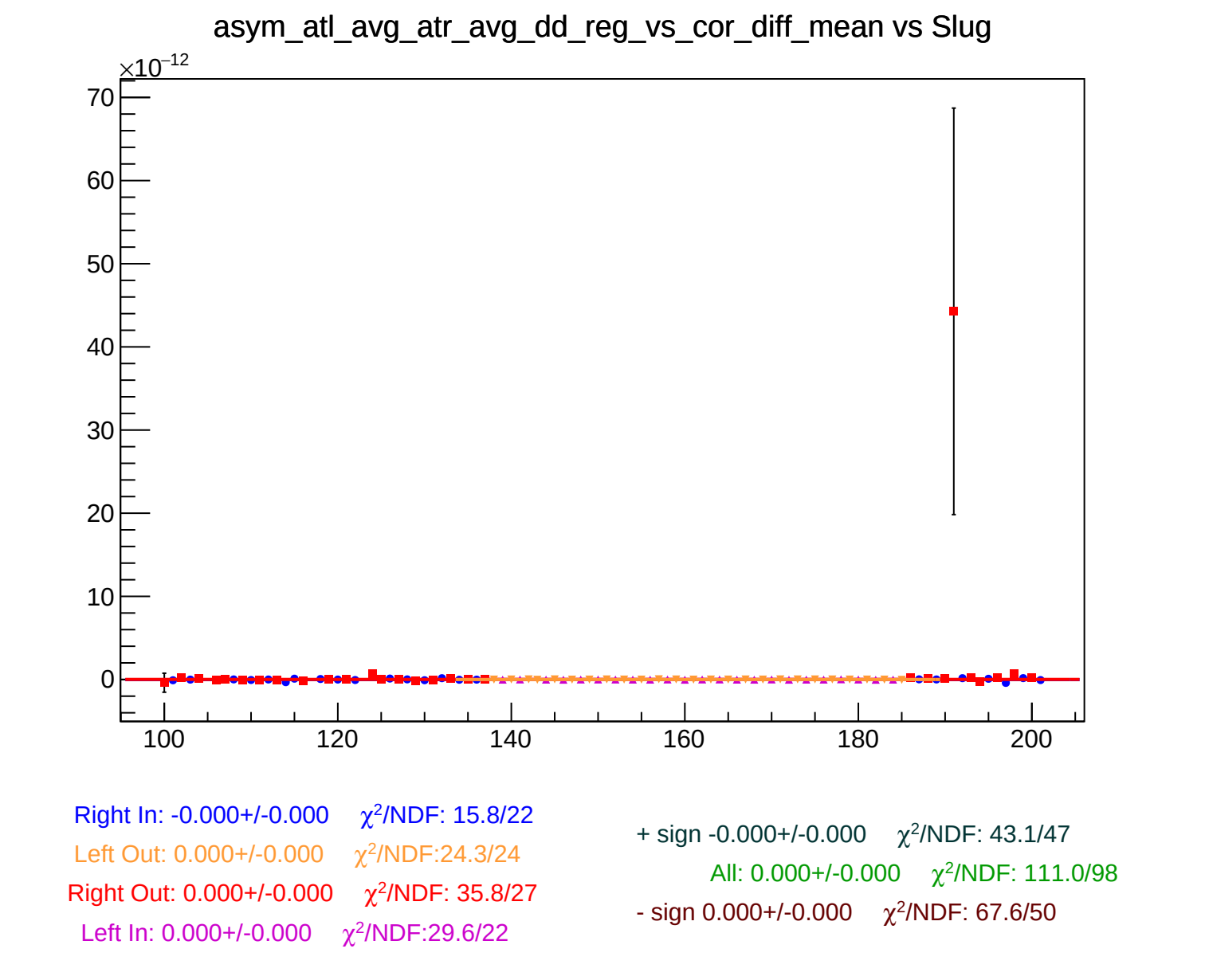
Right Out: 1641.914+/-0.327 χ^2/NDF: 1298102.9/27

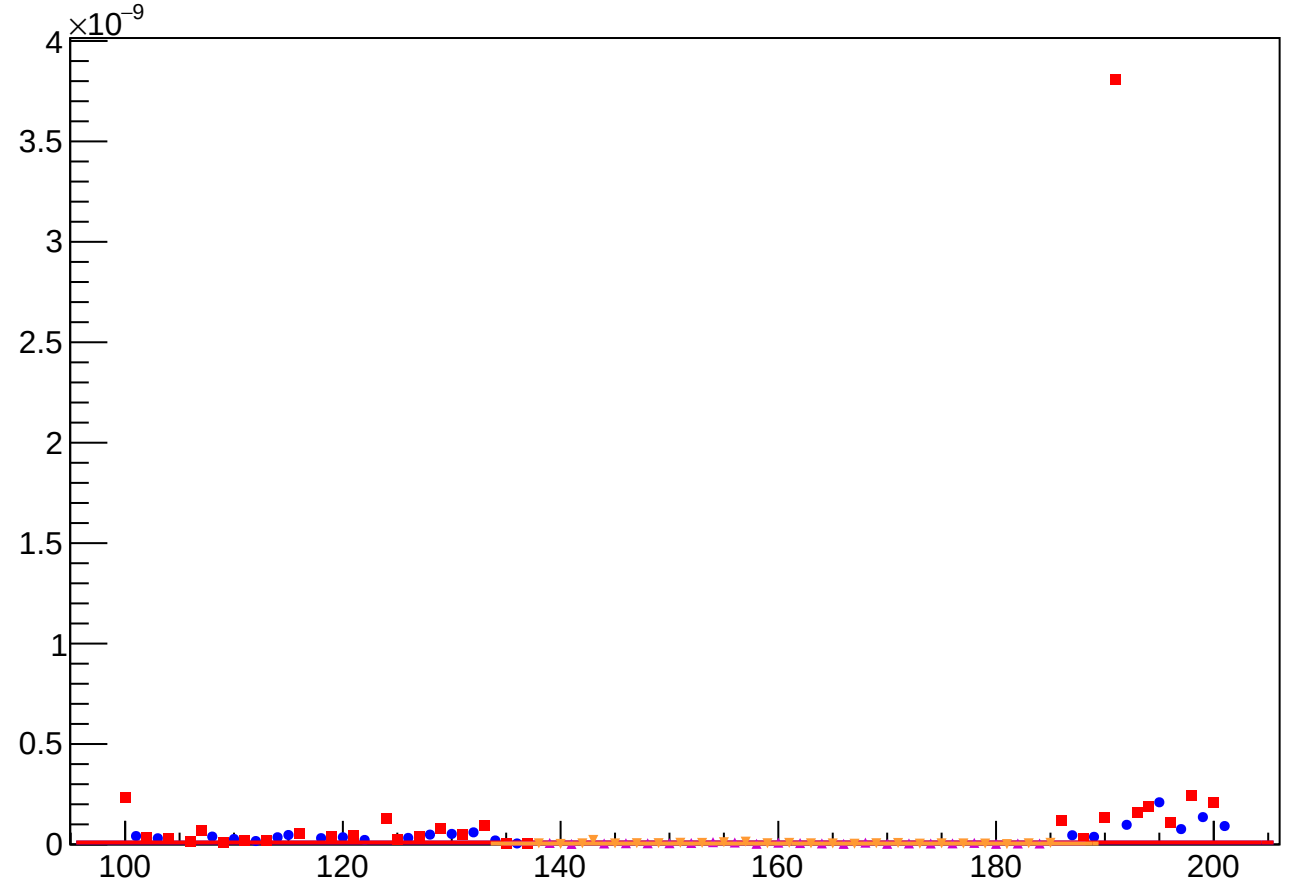
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1394.326+/-0.178 χ^2/NDF: 2207093.6/47

All: 1395.579+/-0.126 χ^2/NDF: 4357369.5/98

- sign 1396.837+/-0.179 χ^2/NDF: 2150176.9/50


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: 35.8/27
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: 111.0/98
- sign 0.000+/-0.000 χ²/NDF: 67.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 5761631.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

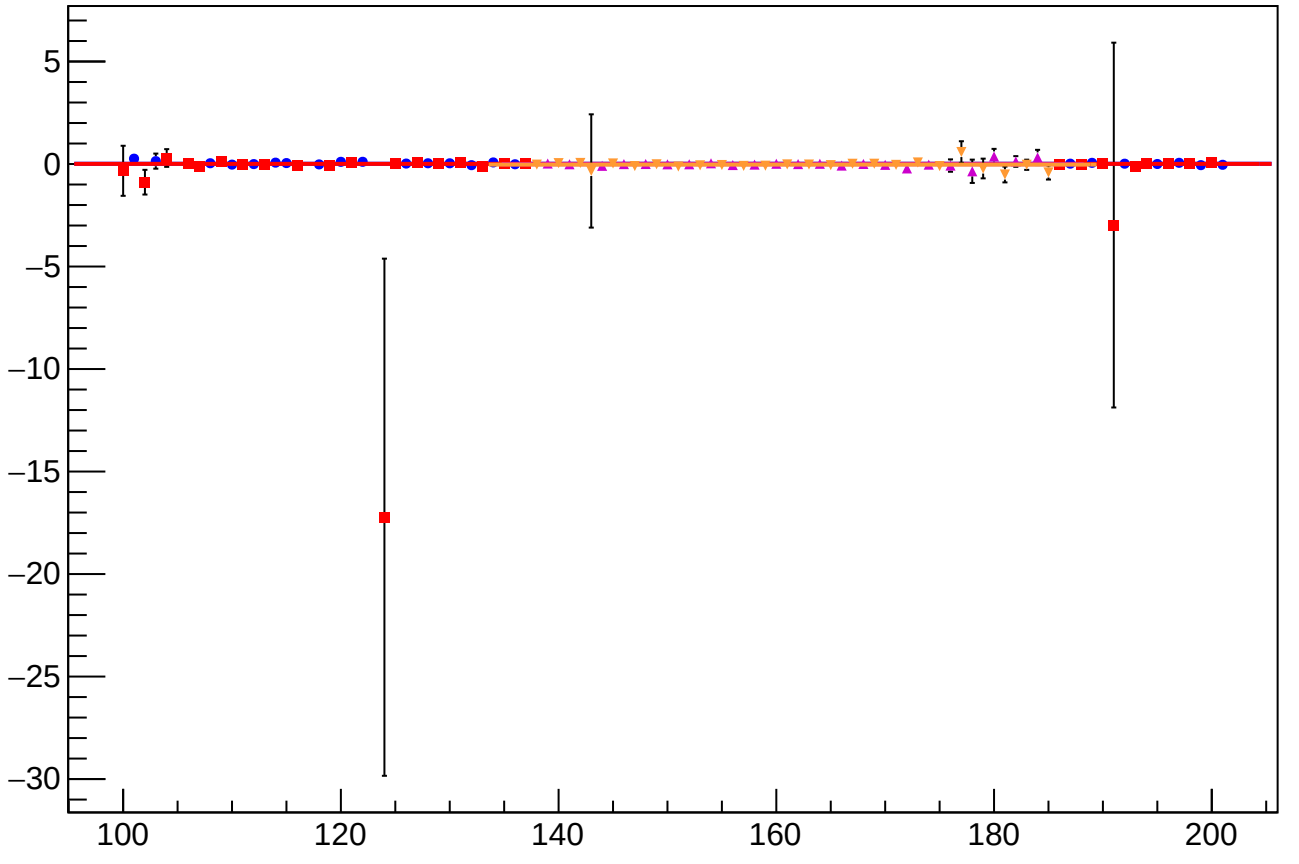
Right Out: 0.000+/-0.000 χ^2/NDF: 7795004.5/27

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: 19681629.8/98

- sign 0.000+/-0.000 χ^2/NDF: 10410803.4/50



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: 0.007+/-0.013 χ^2/NDF: 20.7/27

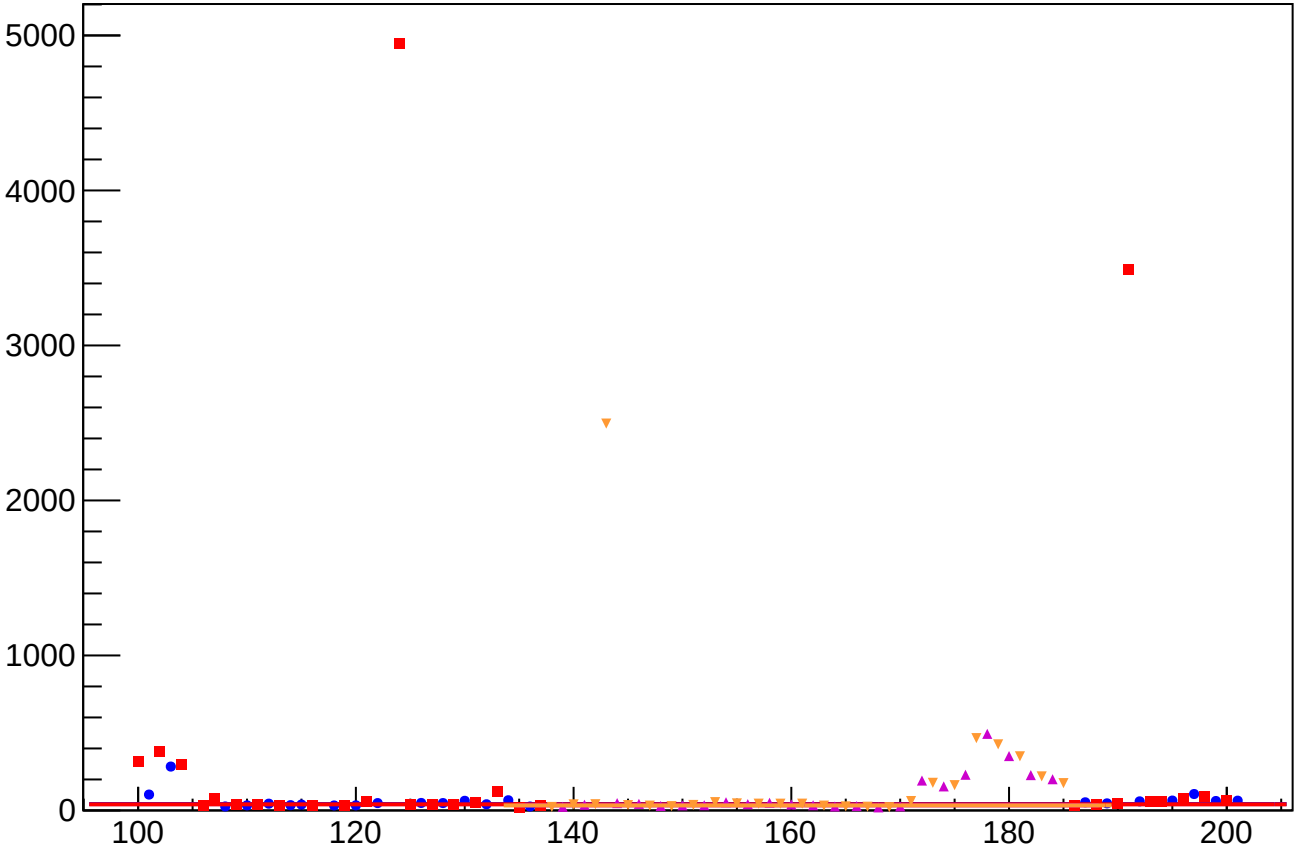
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/47

All: -0.009+/-0.005 χ^2/NDF: 83.9/98

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50

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

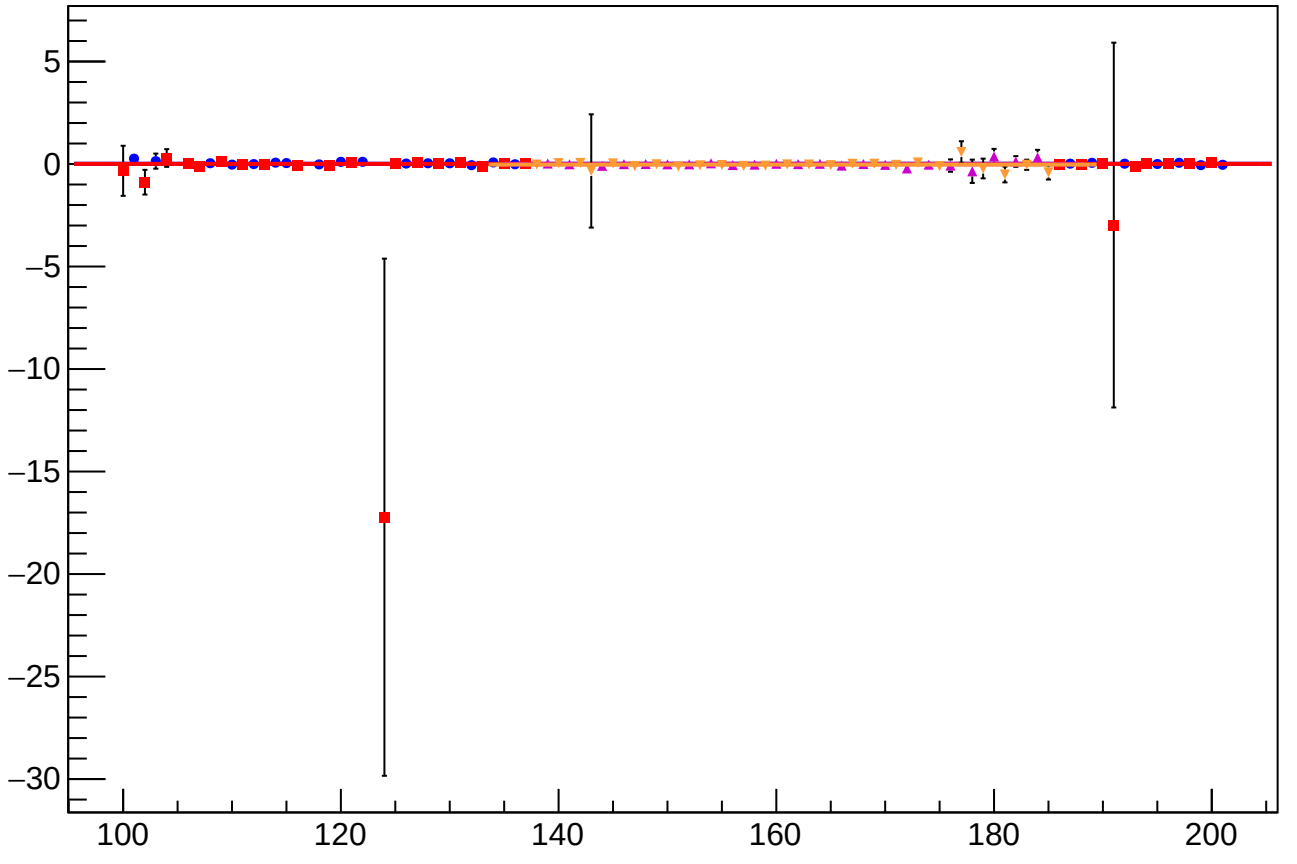
Right Out: 39.456+/-0.009 χ^2/NDF: 4950740.0/27

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235266.4/47

All: 35.248+/-0.004 χ^2/NDF: 29504635.2/98

- sign 35.117+/-0.005 χ^2/NDF: 14268177.0/50



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: 0.007+/-0.013 χ^2/NDF: 20.7/27

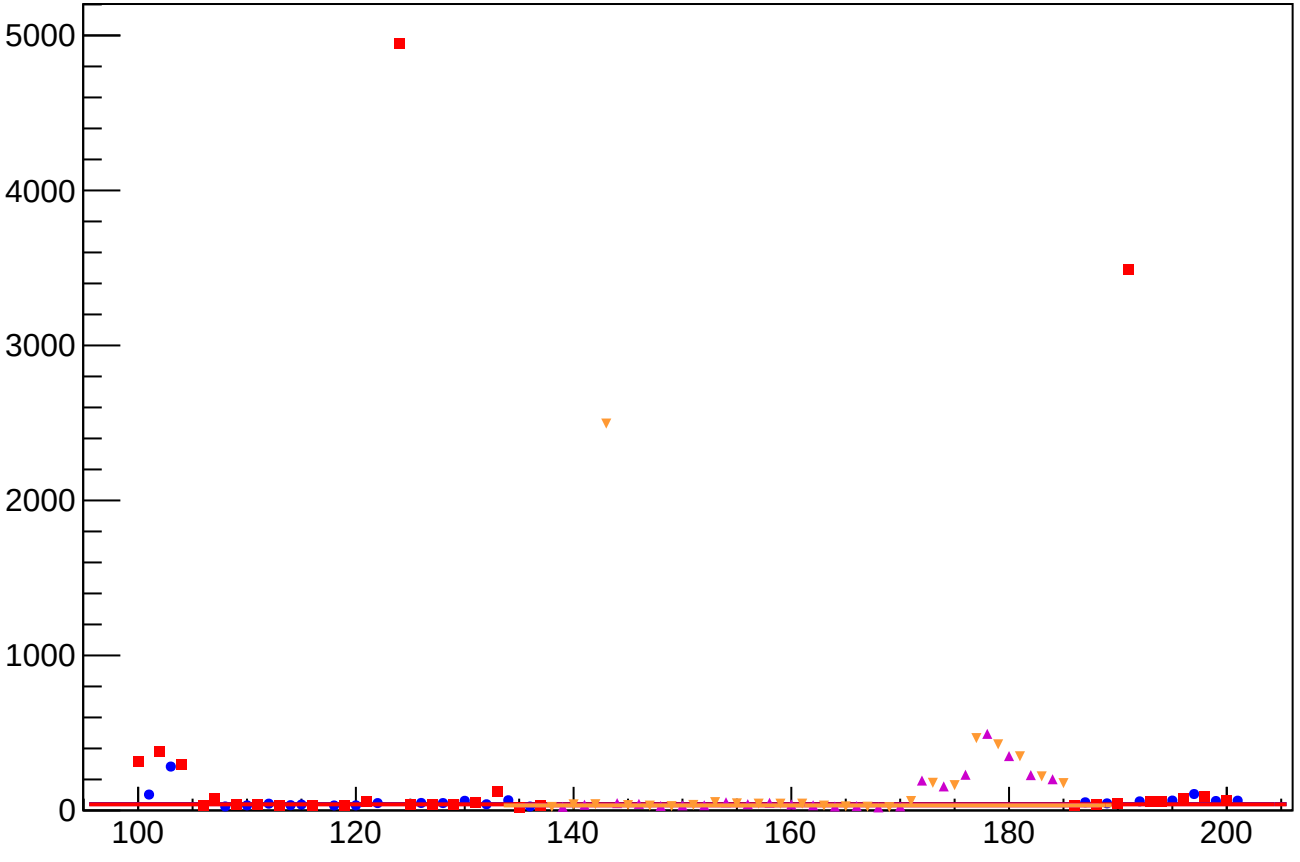
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/47

All: -0.009+/-0.005 χ^2/NDF: 83.9/98

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50

asym_atl_avg_atr_avg_dd_dit_vs_eigen_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

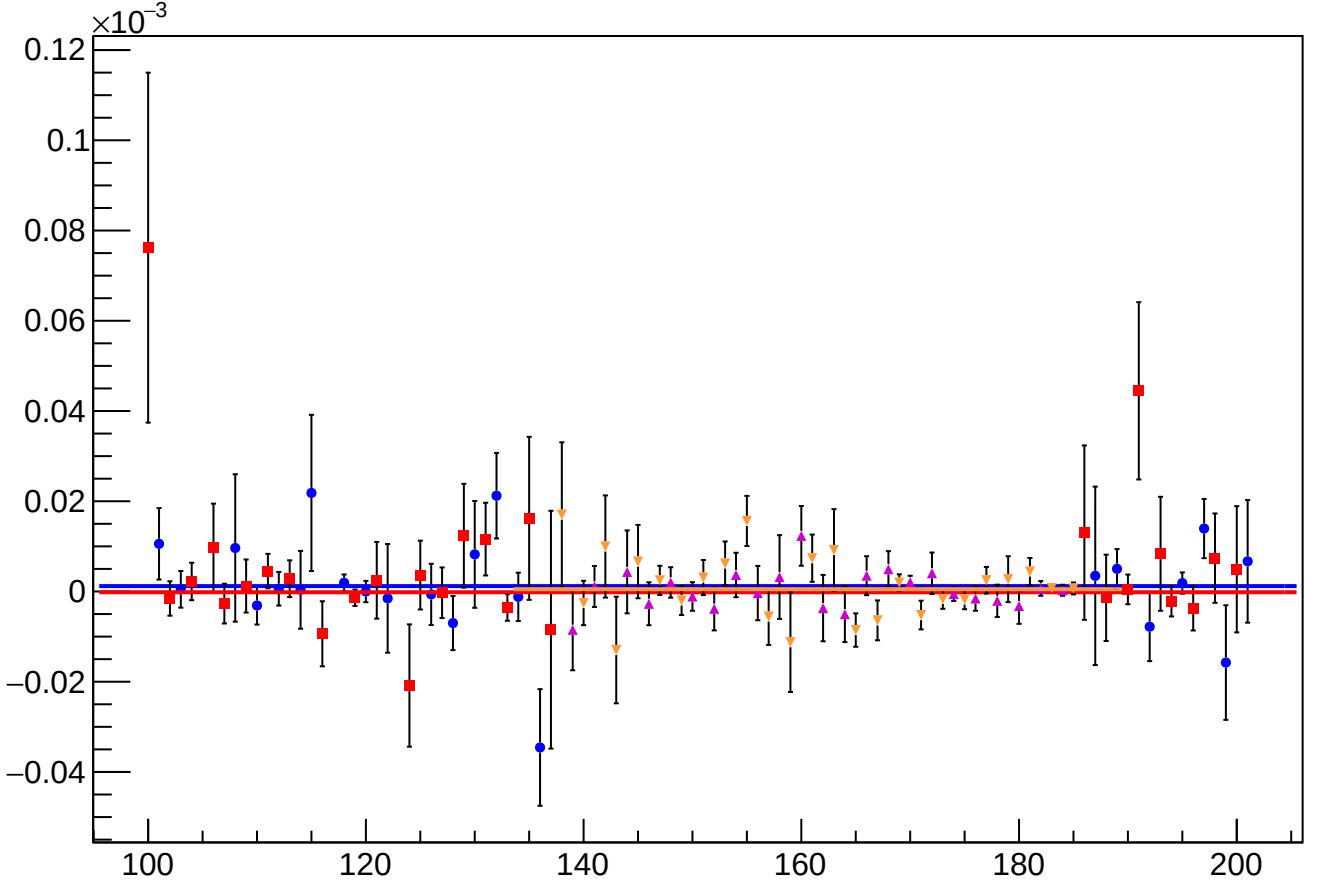
Right Out: 39.456+/-0.009 χ^2/NDF: 4950740.0/27

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235266.4/47

All: 35.248+/-0.004 χ^2/NDF: 29504635.2/98

- sign 35.117+/-0.005 χ^2/NDF: 14268177.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 27.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

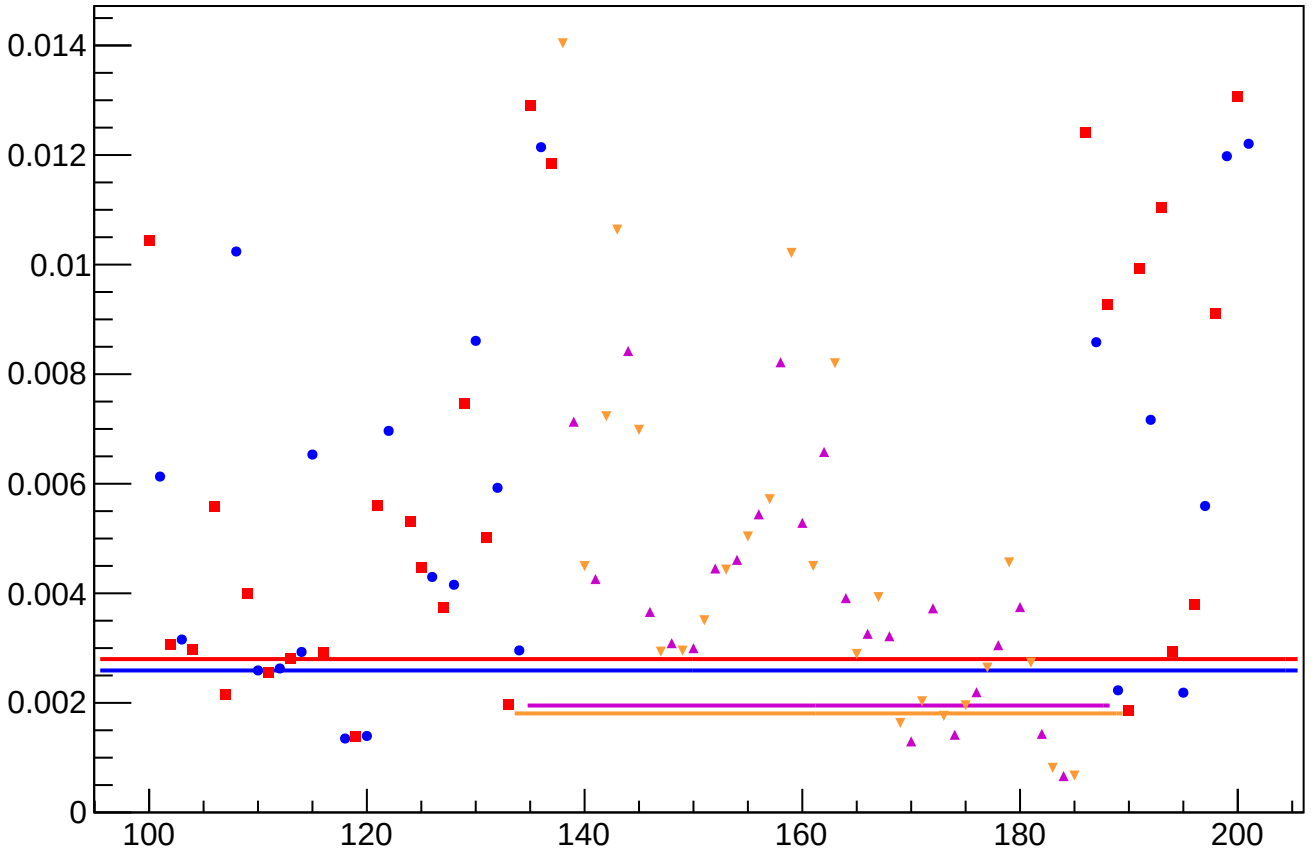
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/27

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.4/47

All: 0.000+/-0.000 χ^2/NDF: 103.5/98

- sign 0.000+/-0.000 χ^2/NDF: 39.8/50



Right In: 0.003+/-0.000 χ^2/NDF: 8292286.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

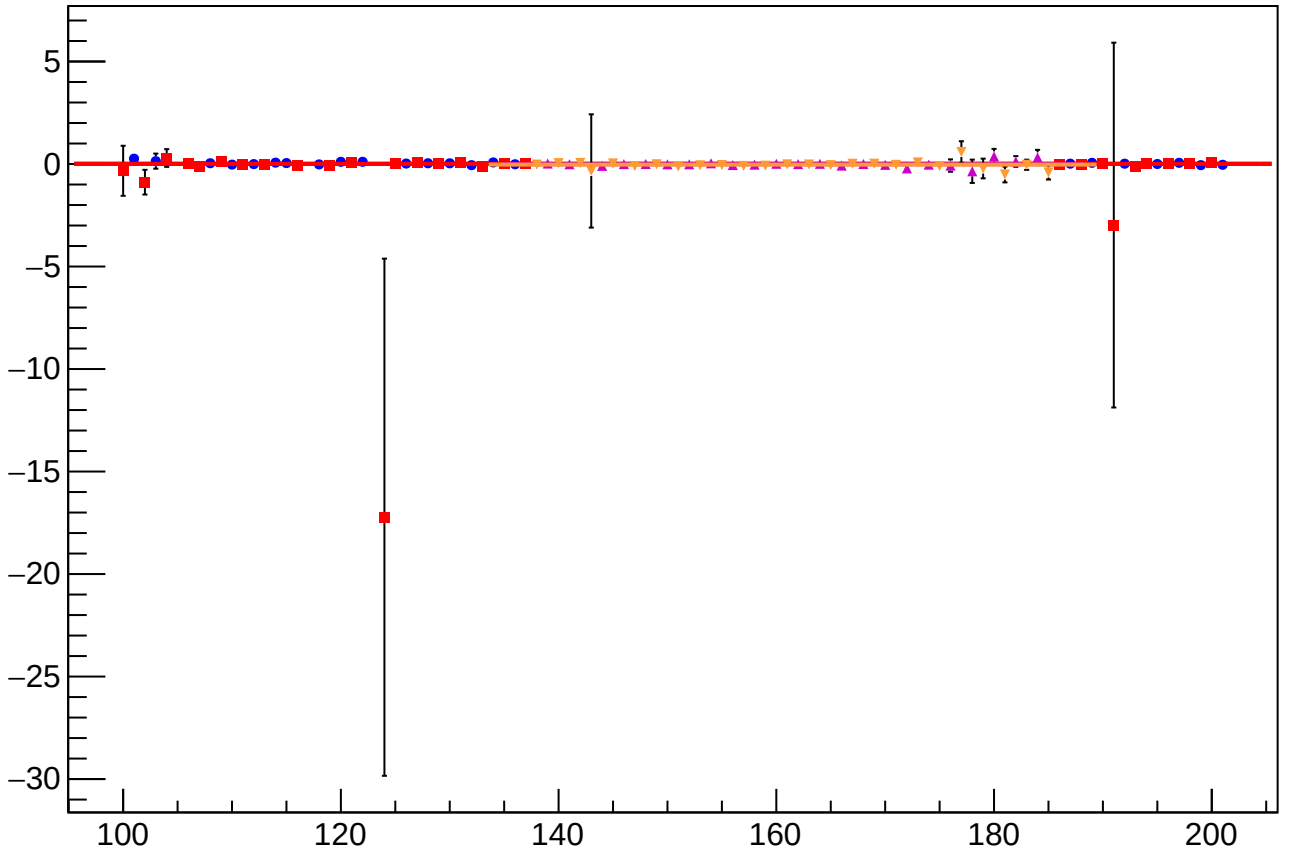
Right Out: 0.003+/-0.000 χ^2/NDF: 8199659.4/27

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: 45261350.9/98

- sign 0.002+/-0.000 χ^2/NDF: 20855060.3/50



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

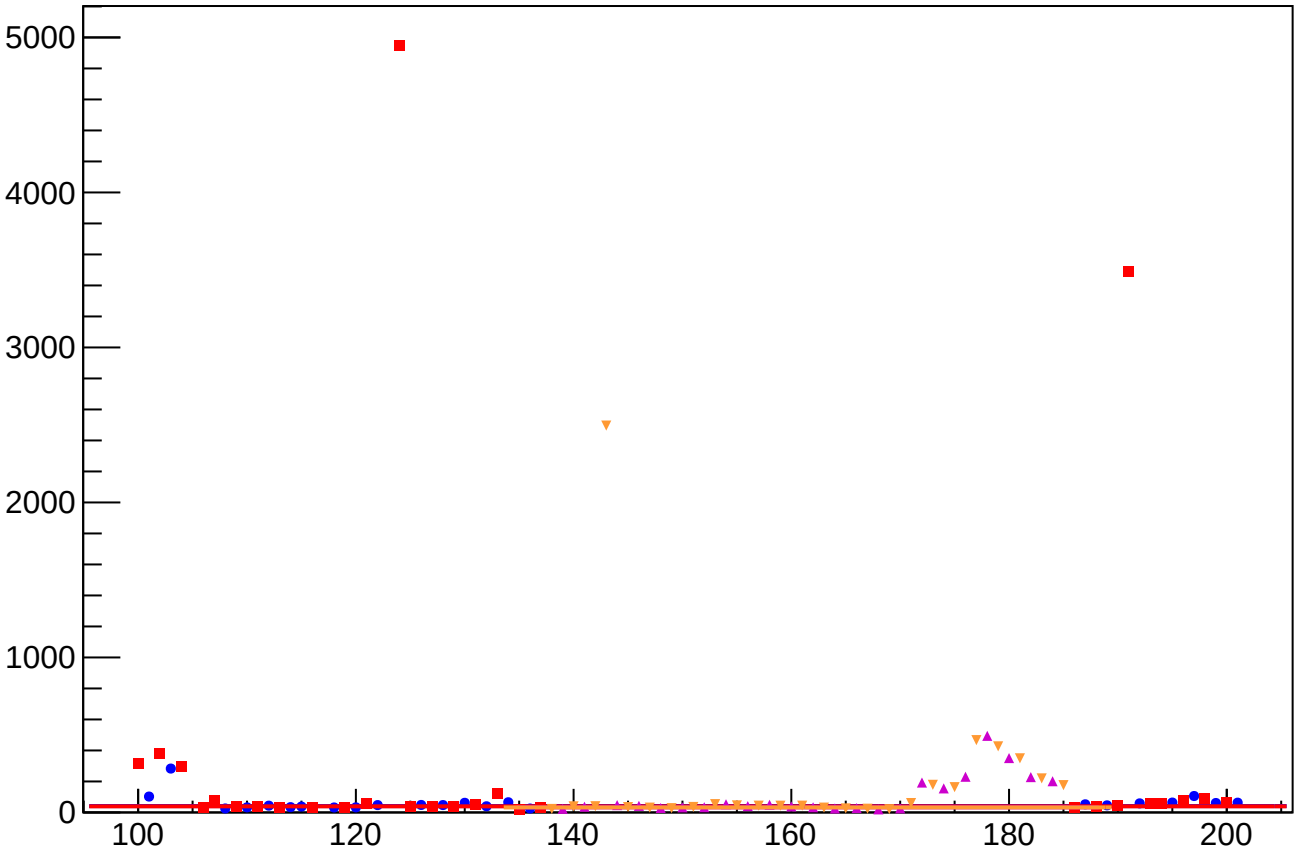
Right Out: 0.007+/-0.013 χ^2/NDF: 20.7/27

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: 83.9/98

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50



Right In: 41.225+/-0.010 χ^2/NDF: 3820445.9/22

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

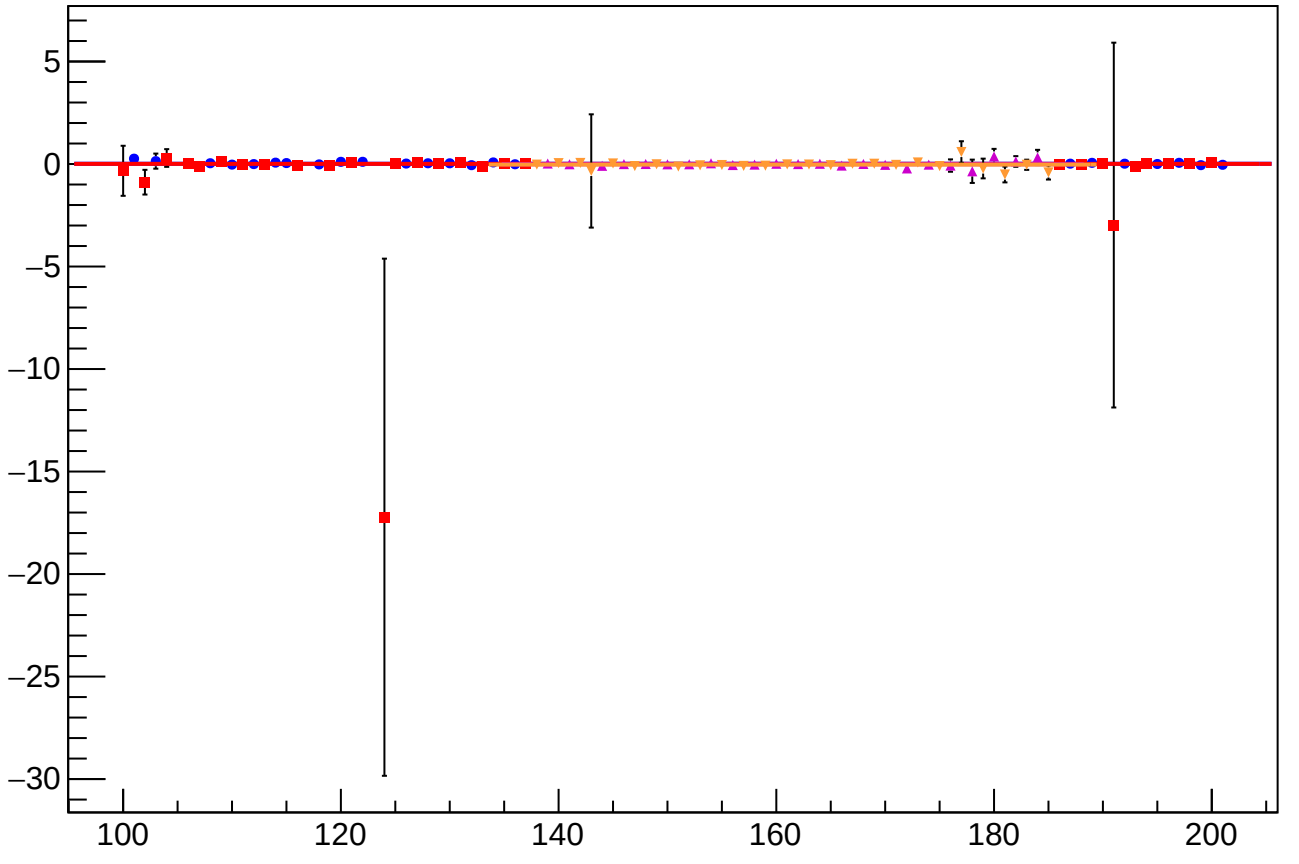
Right Out: 39.456+/-0.009 χ^2/NDF: 4950525.0/27

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235265.3/47

All: 35.247+/-0.004 χ^2/NDF: 29505231.1/98

- sign 35.117+/-0.005 χ^2/NDF: 14268764.5/50



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

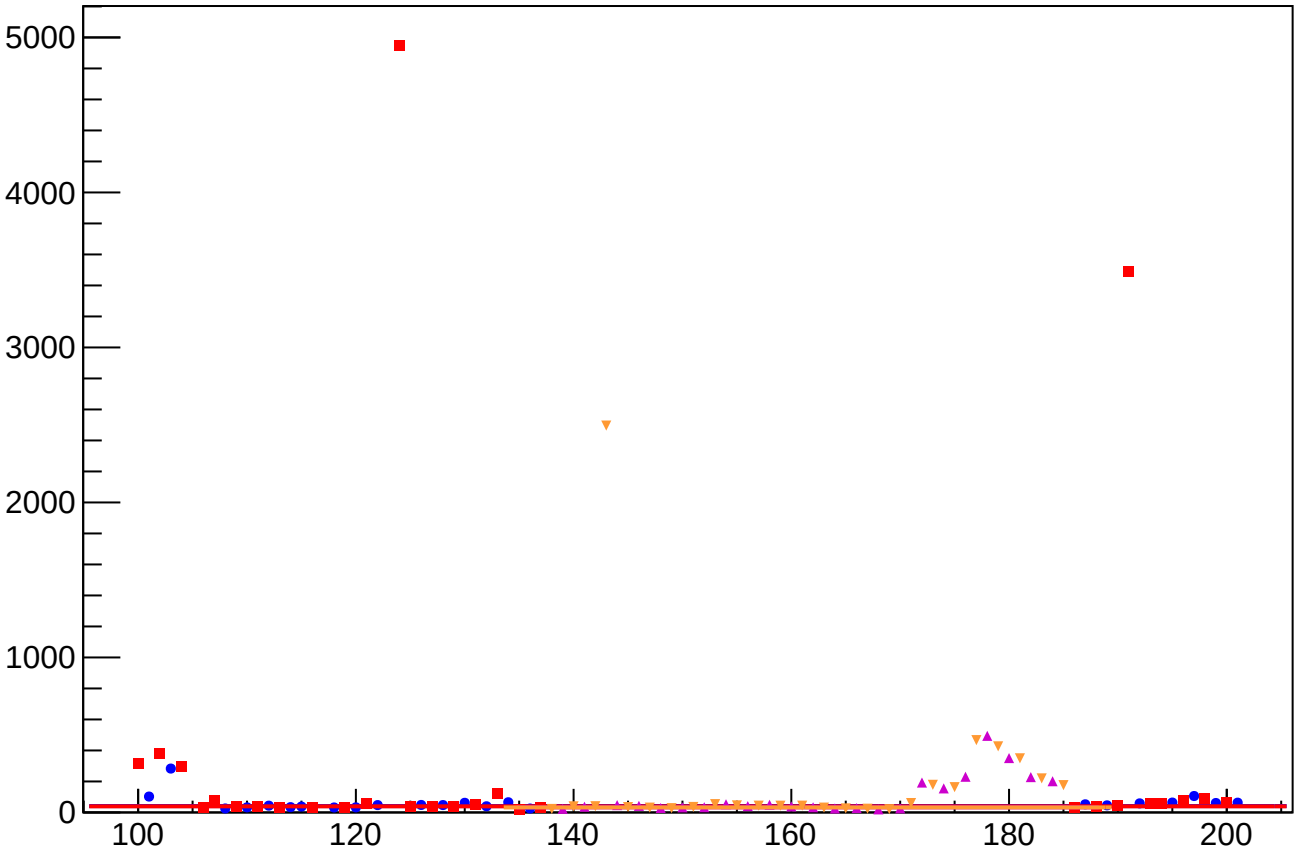
Right Out: 0.007+/-0.013 χ^2/NDF: 20.7/27

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: 83.9/98

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50



Right In: 41.225+/-0.010 χ^2/NDF: 3820445.9/22

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

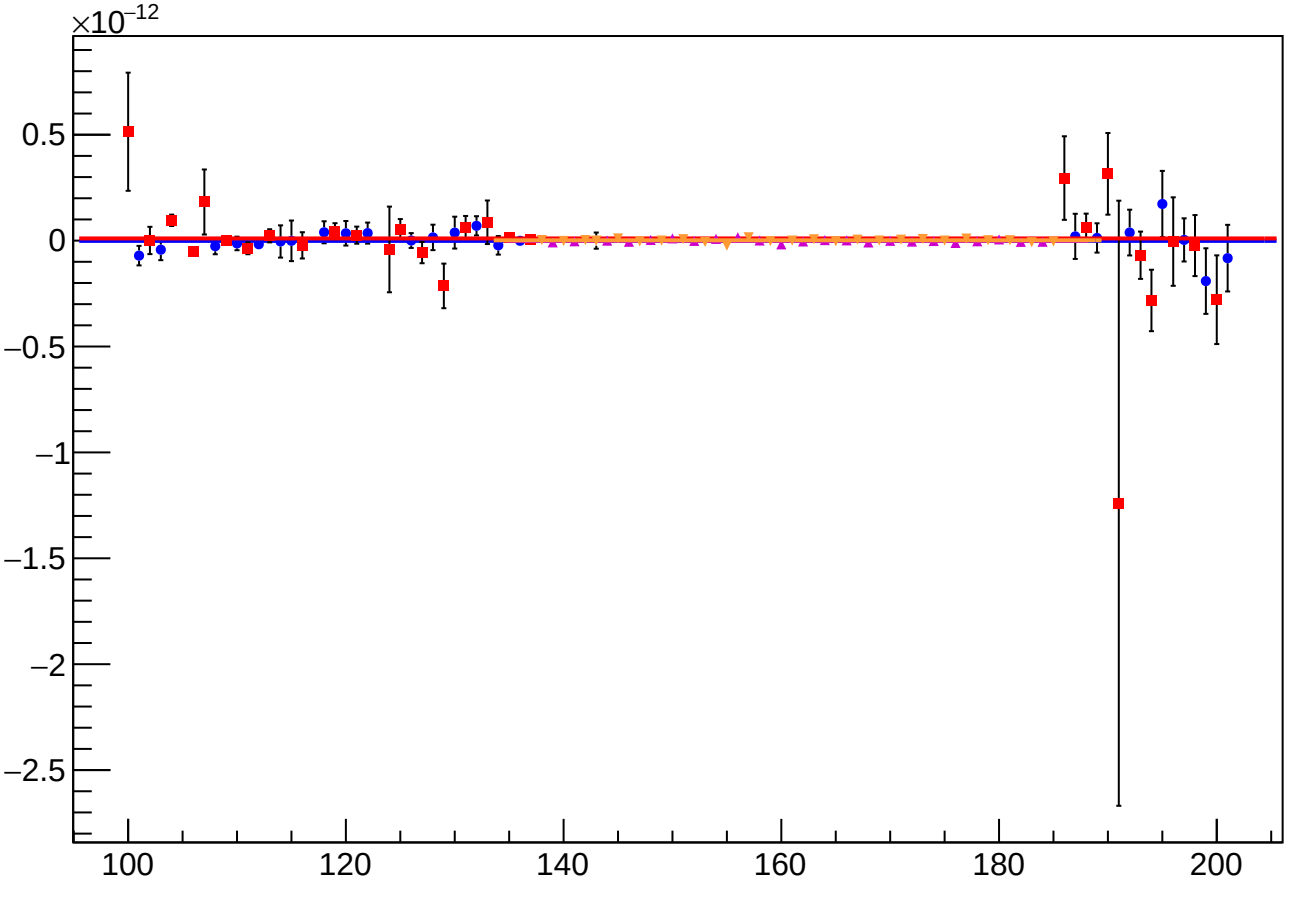
Right Out: 39.456+/-0.009 χ^2/NDF: 4950525.0/27

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235265.3/47

All: 35.247+/-0.004 χ^2/NDF: 29505231.1/98

- sign 35.117+/-0.005 χ^2/NDF: 14268764.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

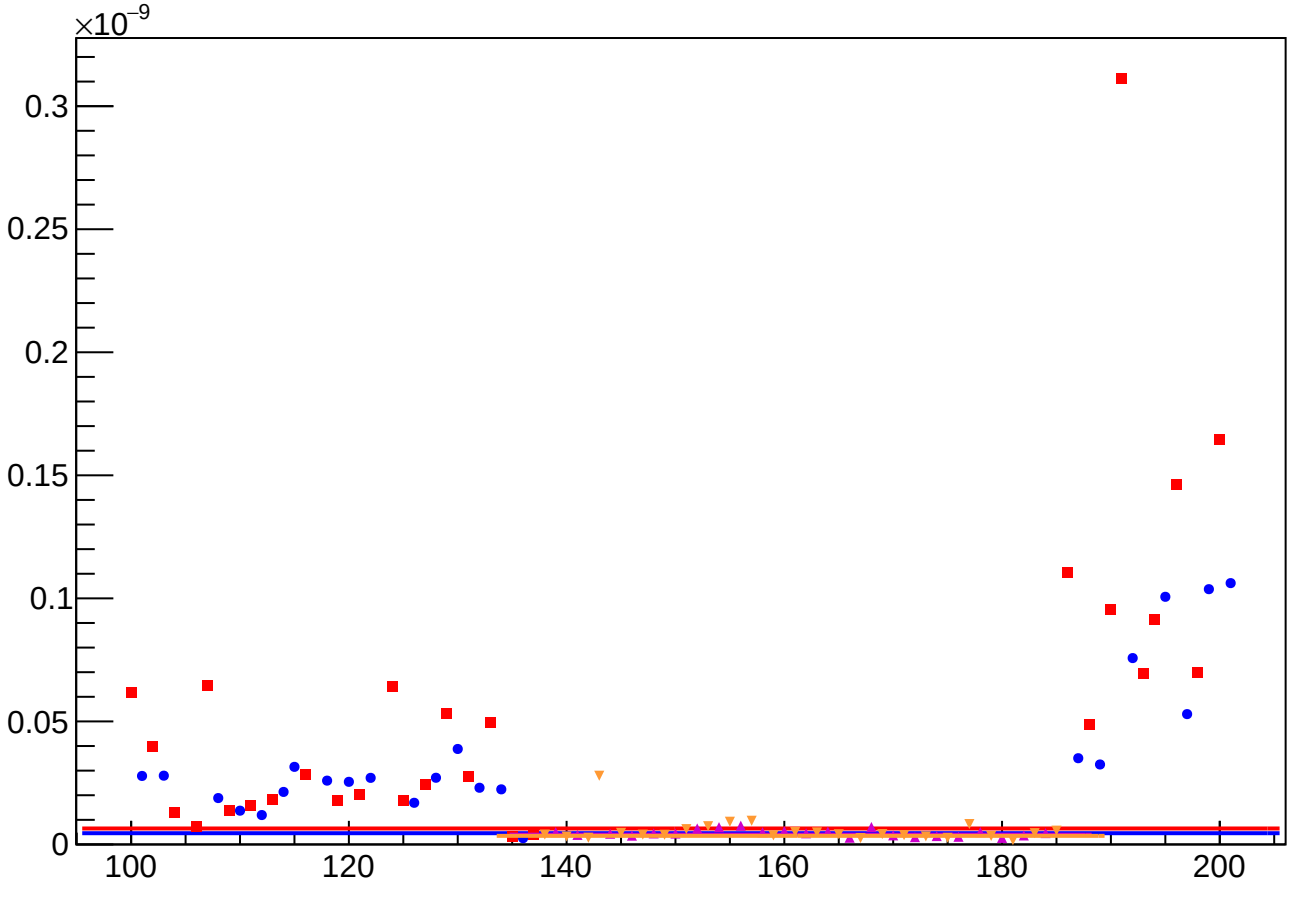
Right Out: 0.000+/-0.000 χ^2/NDF: 52.4/27

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: 120.0/98

- sign -0.000+/-0.000 χ^2/NDF: 88.2/50



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: 10571256.4/27

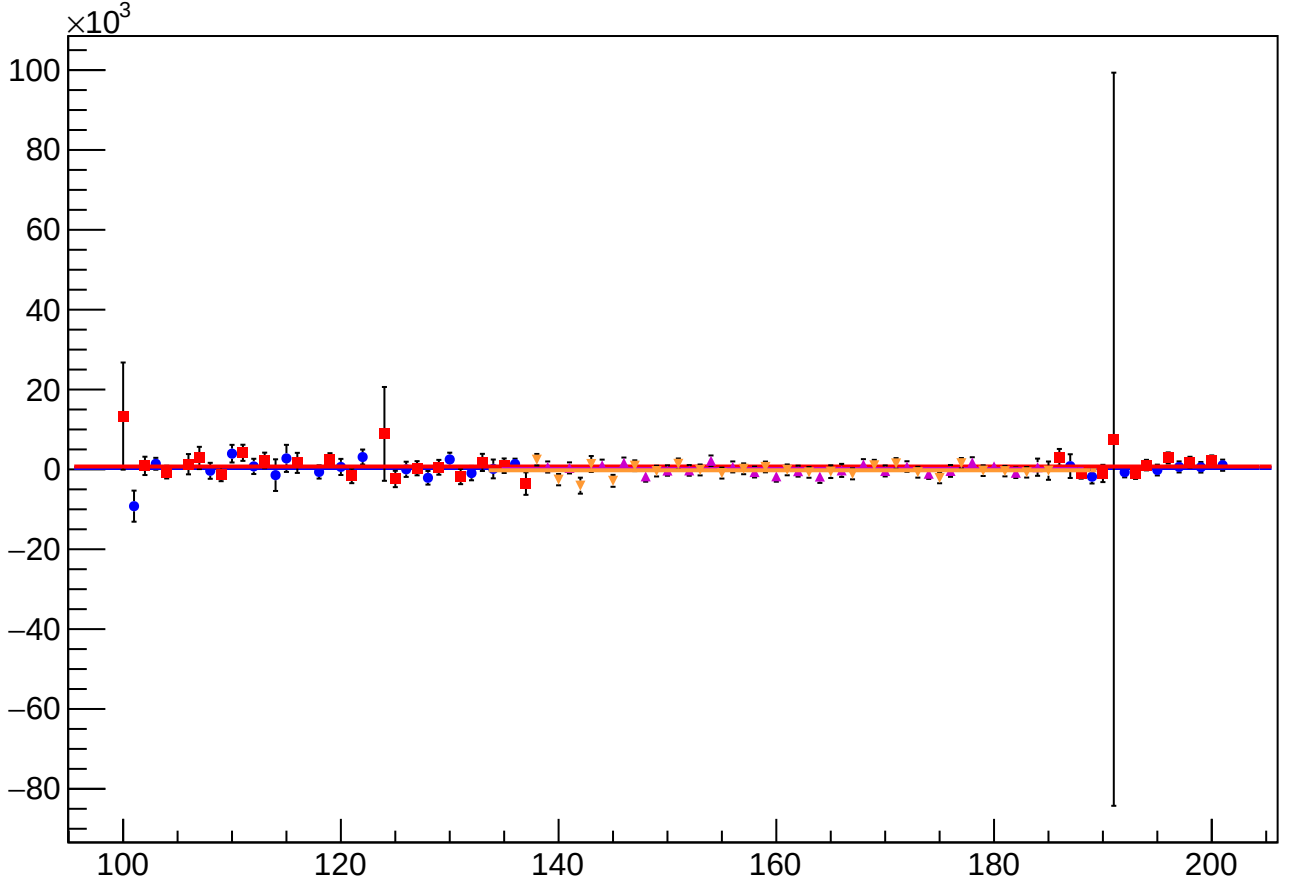
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14193871.0/47

All: 0.000+/-0.000 χ^2/NDF: 27800318.9/98

- sign 0.000+/-0.000 χ^2/NDF: 13324065.8/50

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

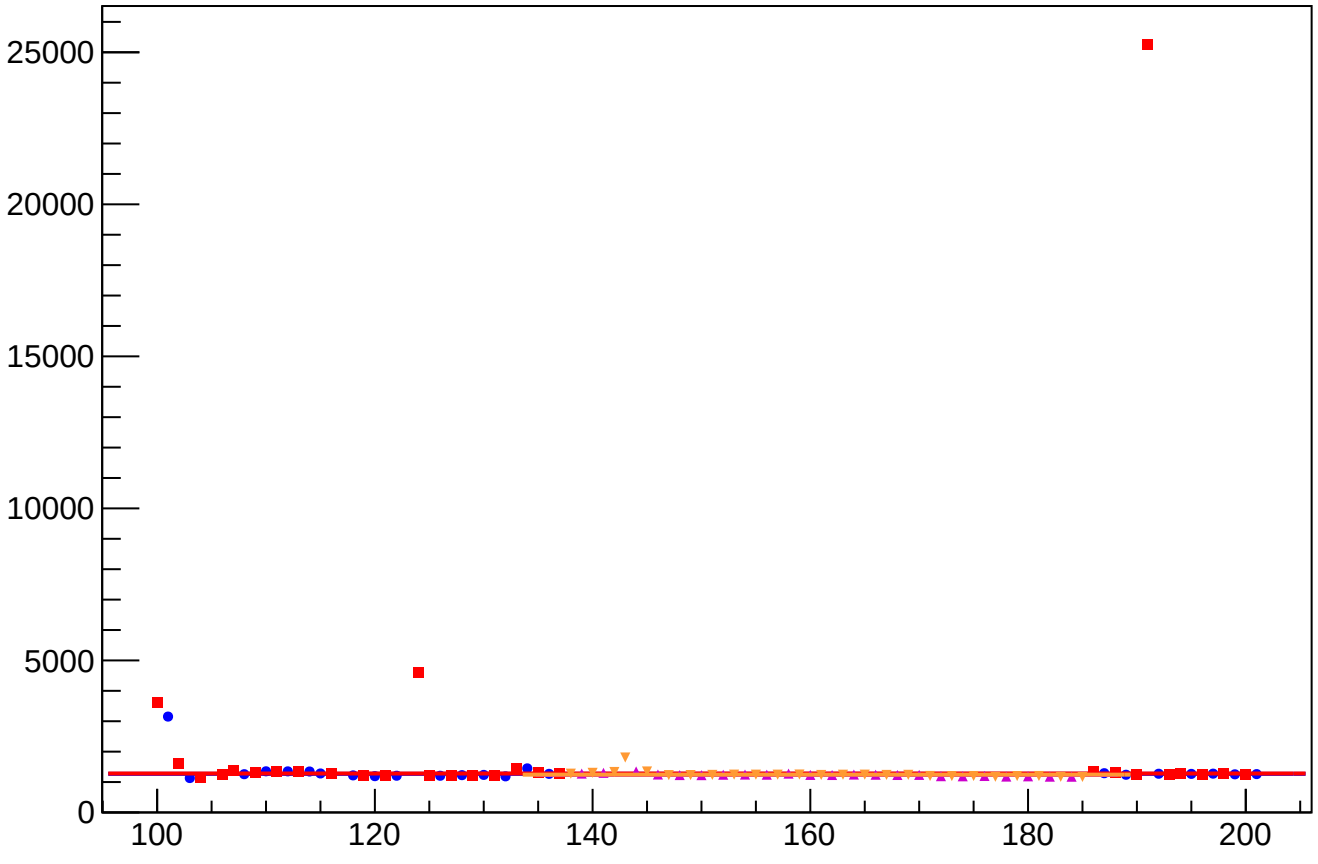
Right Out: 721.763+/-354.369 χ^2/NDF: 26.0/27

Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -6.633+/-223.746 χ^2/NDF: 45.5/47

All: 168.285+/-158.160 χ^2/NDF: 89.3/98

- sign 342.971+/-223.599 χ^2/NDF: 42.6/50



Right In: 1269.262+/-0.258 χ^2/NDF: 520503.7/22

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

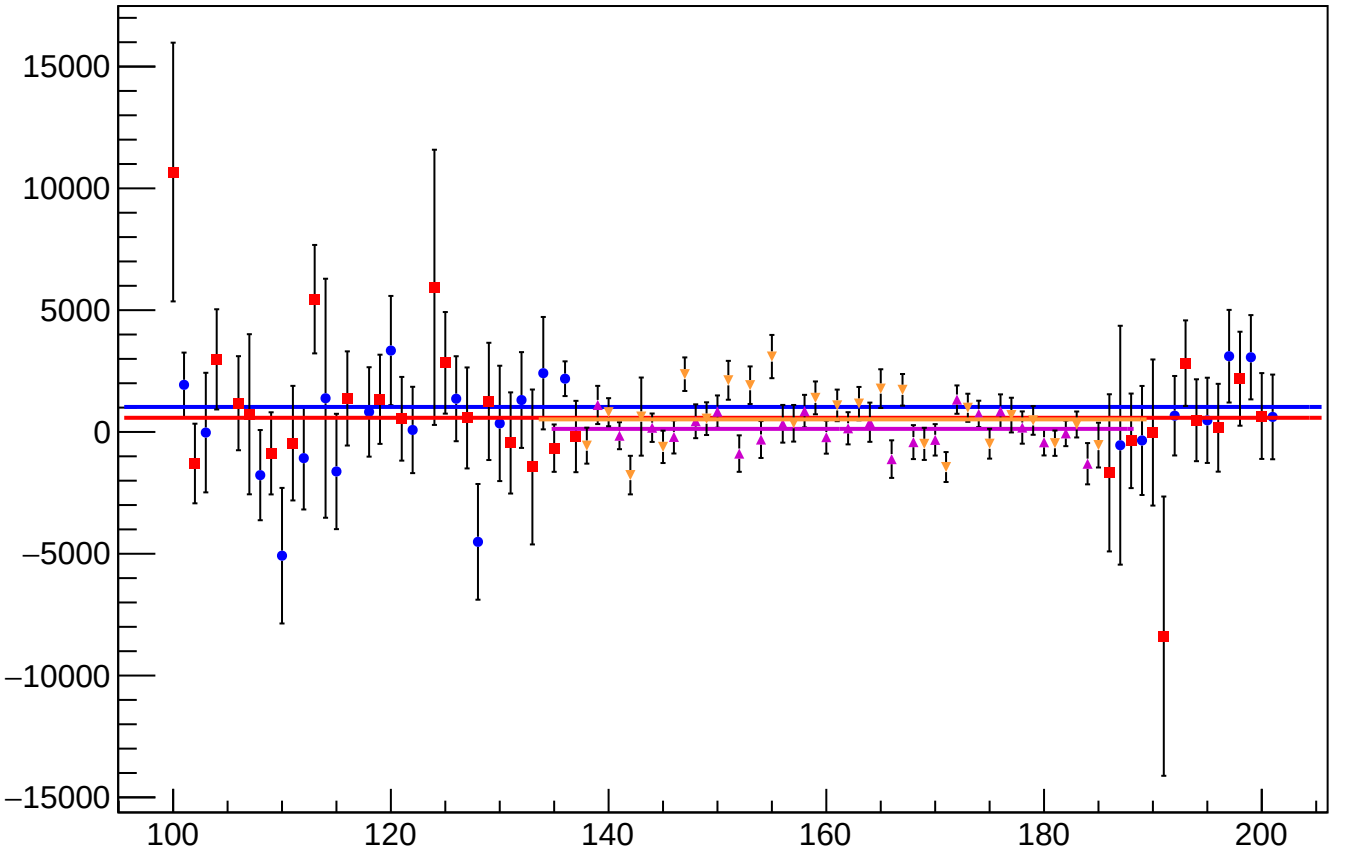
Right Out: 1281.095+/-0.251 χ^2/NDF: 469089.6/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.743+/-0.158 χ^2/NDF: 730348.4/47

All: 1252.672+/-0.112 χ^2/NDF: 1260205.1/98

- sign 1252.601+/-0.158 χ^2/NDF: 529856.3/50



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: 581.728+/-371.456 χ^2/NDF: 22.8/27

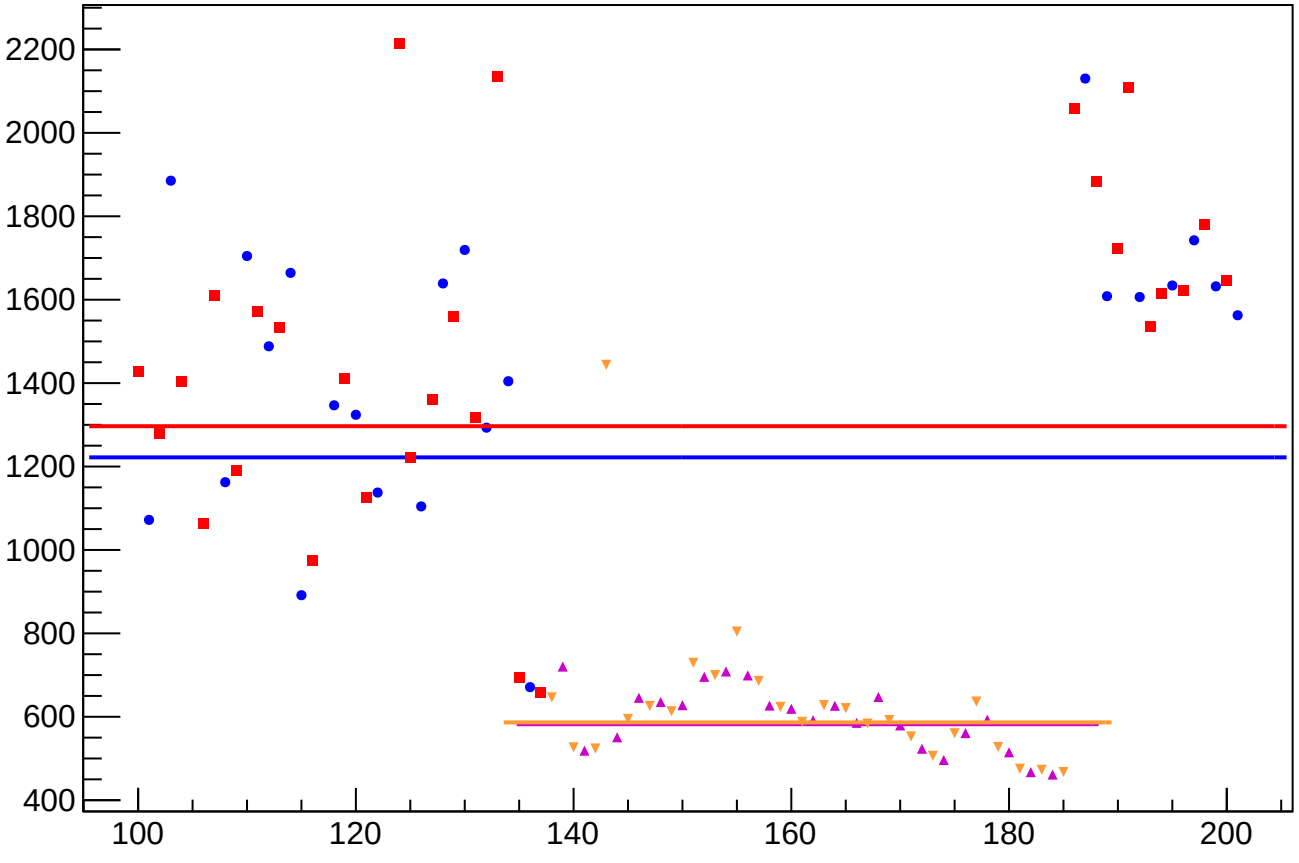
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 577.972+/-127.341 χ^2/NDF: 91.9/47

All: 381.806+/-90.540 χ^2/NDF: 142.4/98

\- sign 181.256+/-128.756 χ^2/NDF: 45.6/50

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1221.964+/-0.260 χ^2/NDF: 2396614.3/22

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

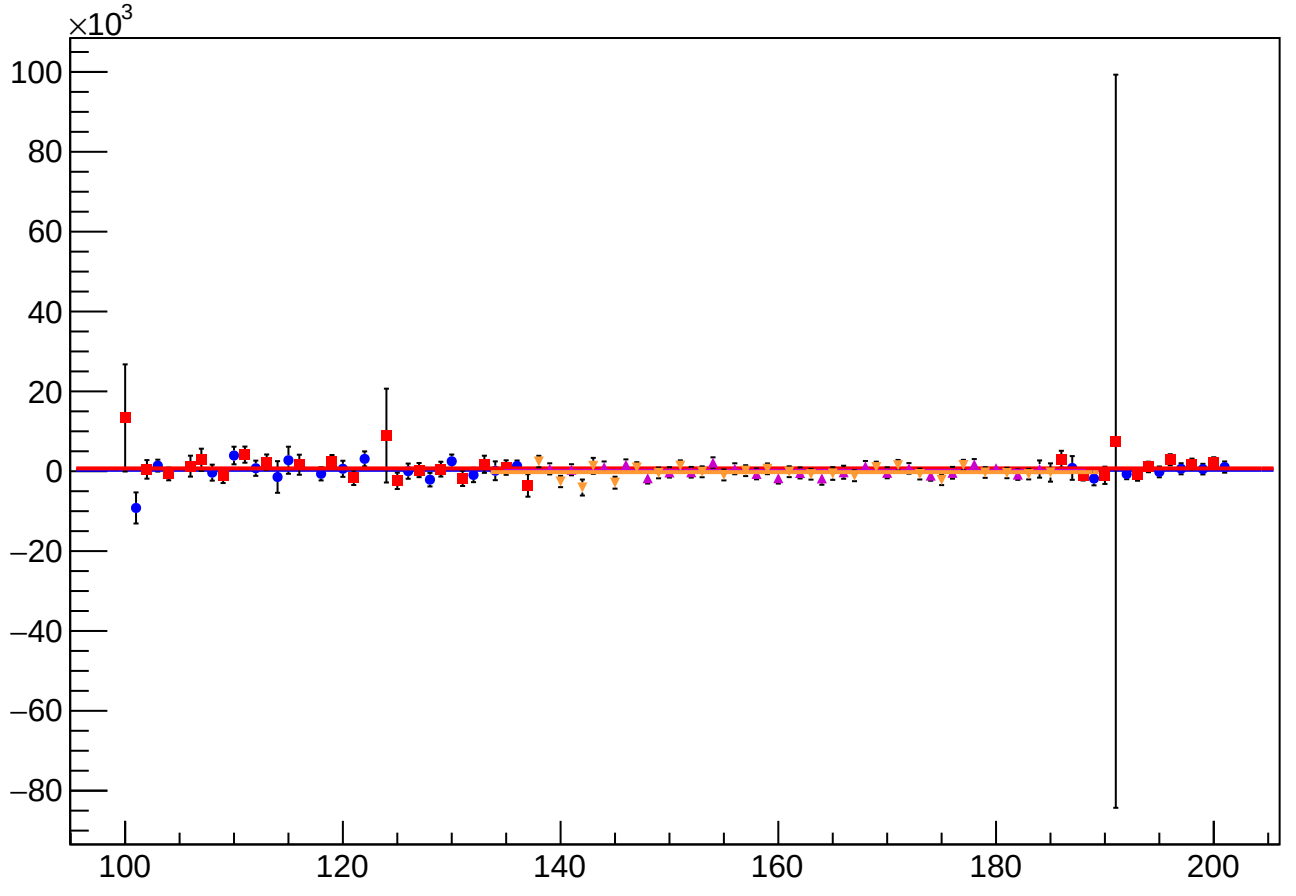
Right Out: 1296.664+/-0.263 χ^2/NDF: 2316797.2/27

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 662.803+/-0.090 χ^2/NDF: 8857797.8/47

All: 665.390+/-0.064 χ^2/NDF: 18245767.4/98

- sign 668.034+/-0.091 χ^2/NDF: 9386300.9/50



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: 711.006+/-354.696 χ^2/NDF: 26.0/27

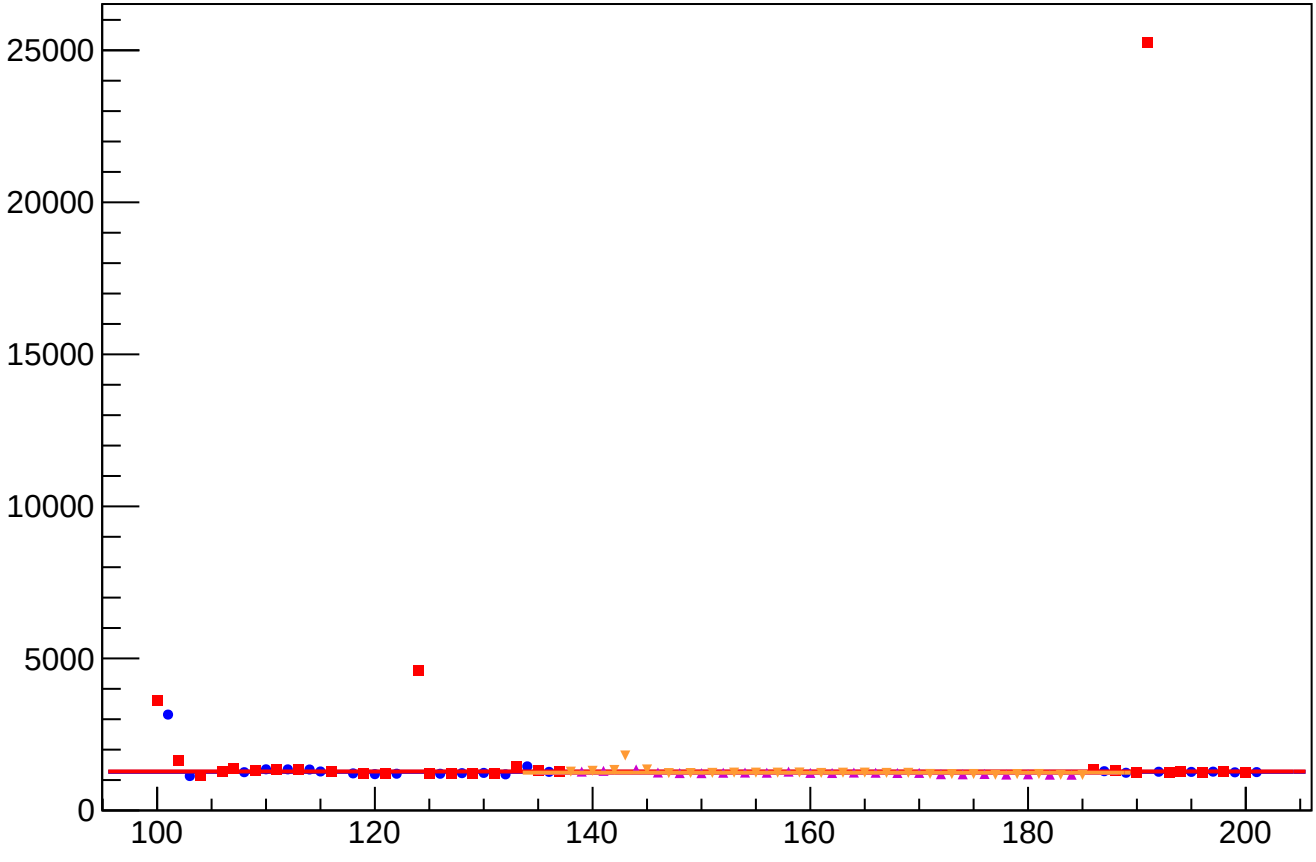
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -6.565+/-223.746 χ^2/NDF: 45.5/47

All: 165.997+/-158.189 χ^2/NDF: 89.2/98

- sign 338.457+/-223.681 χ^2/NDF: 42.5/50

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

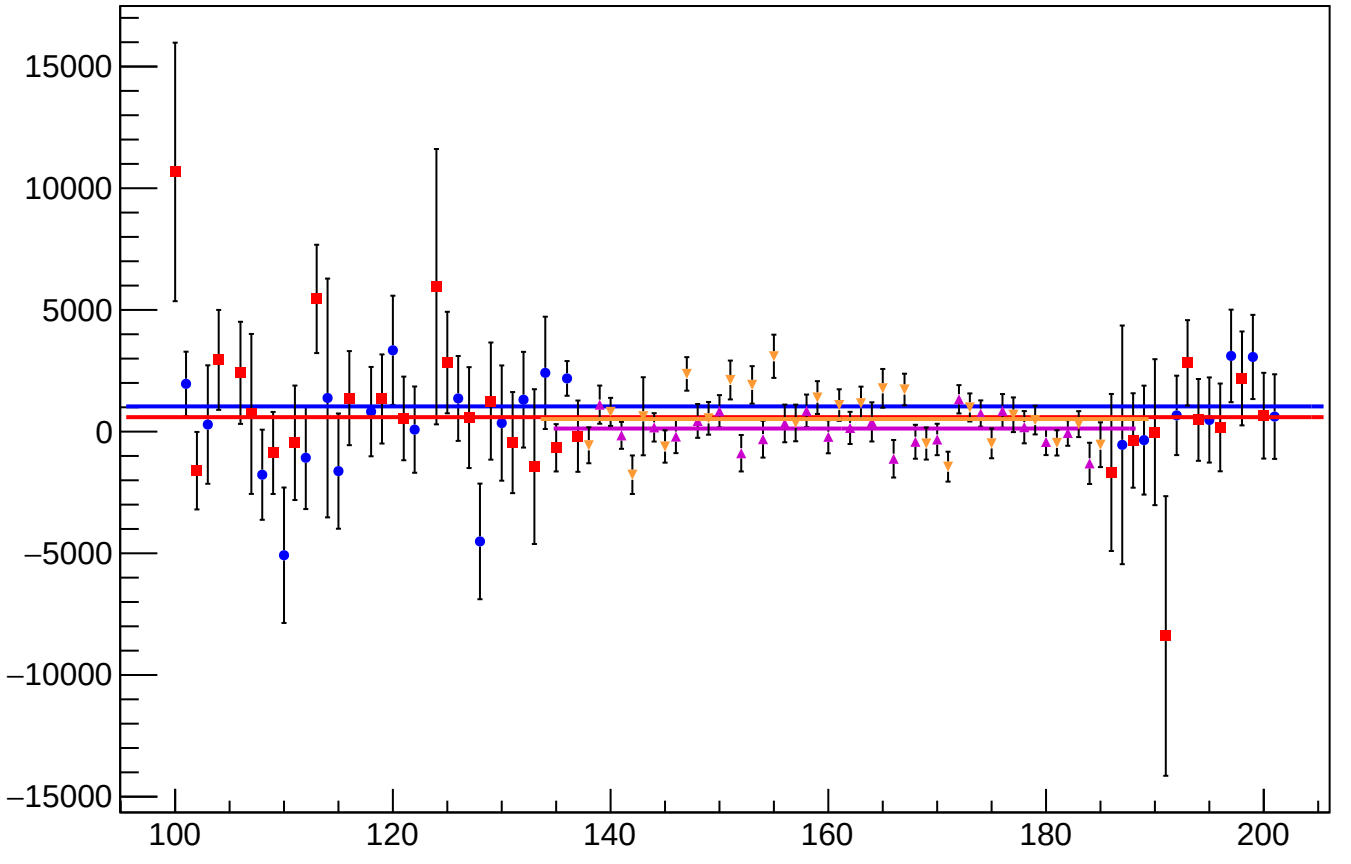
Right Out: 1282.336+/-0.251 χ^2/NDF: 475816.8/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.743+/-0.158 χ^2/NDF: 730349.8/47

All: 1252.908+/-0.112 χ^2/NDF: 1268051.2/98

- sign 1253.074+/-0.158 χ^2/NDF: 537699.2/50



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: 594.256+/-371.972 χ^2/NDF: 24.0/27

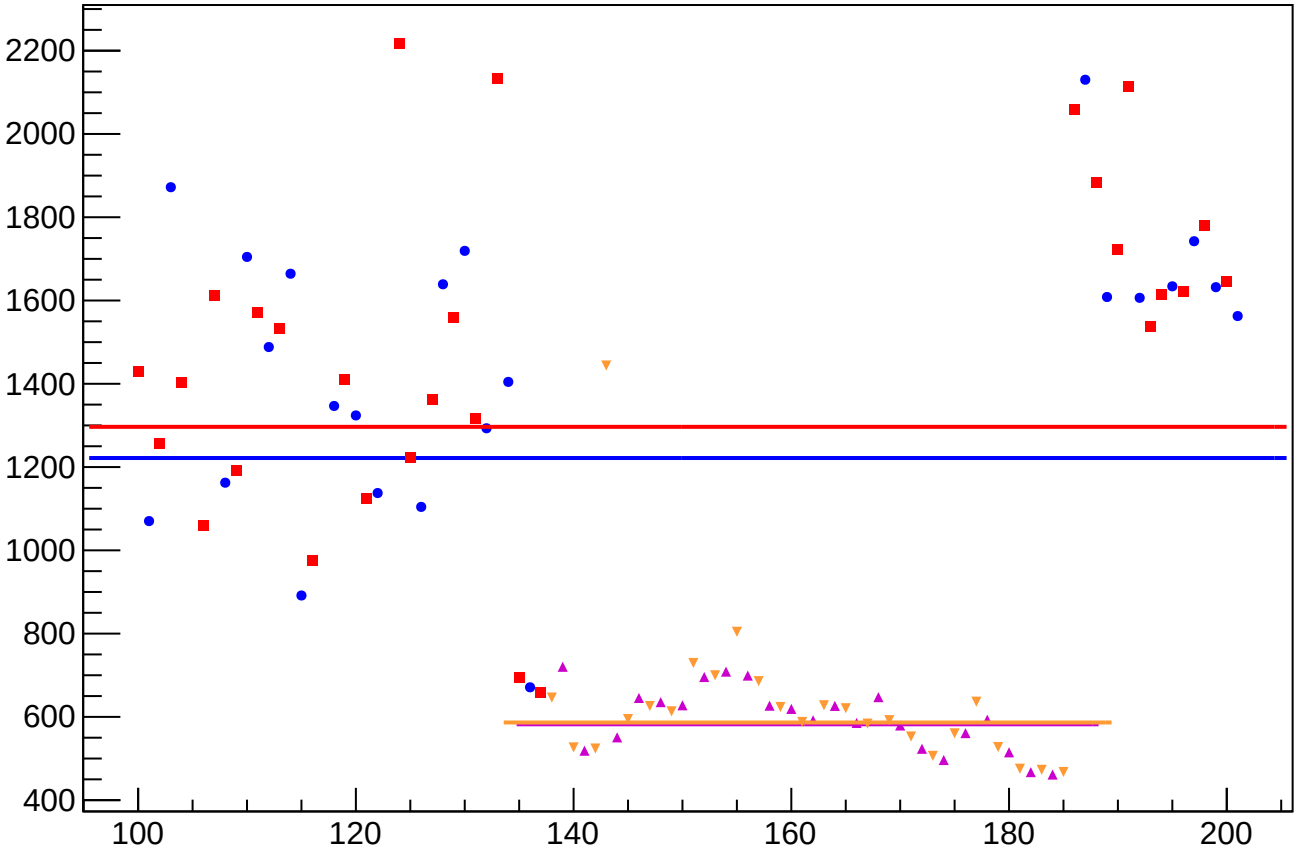
Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 579.126+/-127.337 χ^2/NDF: 91.9/47

All: 383.095+/-90.546 χ^2/NDF: 143.7/98

- sign 182.607+/-128.777 χ^2/NDF: 46.9/50

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1221.736+/-0.260 χ^2/NDF: 2393881.7/22

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

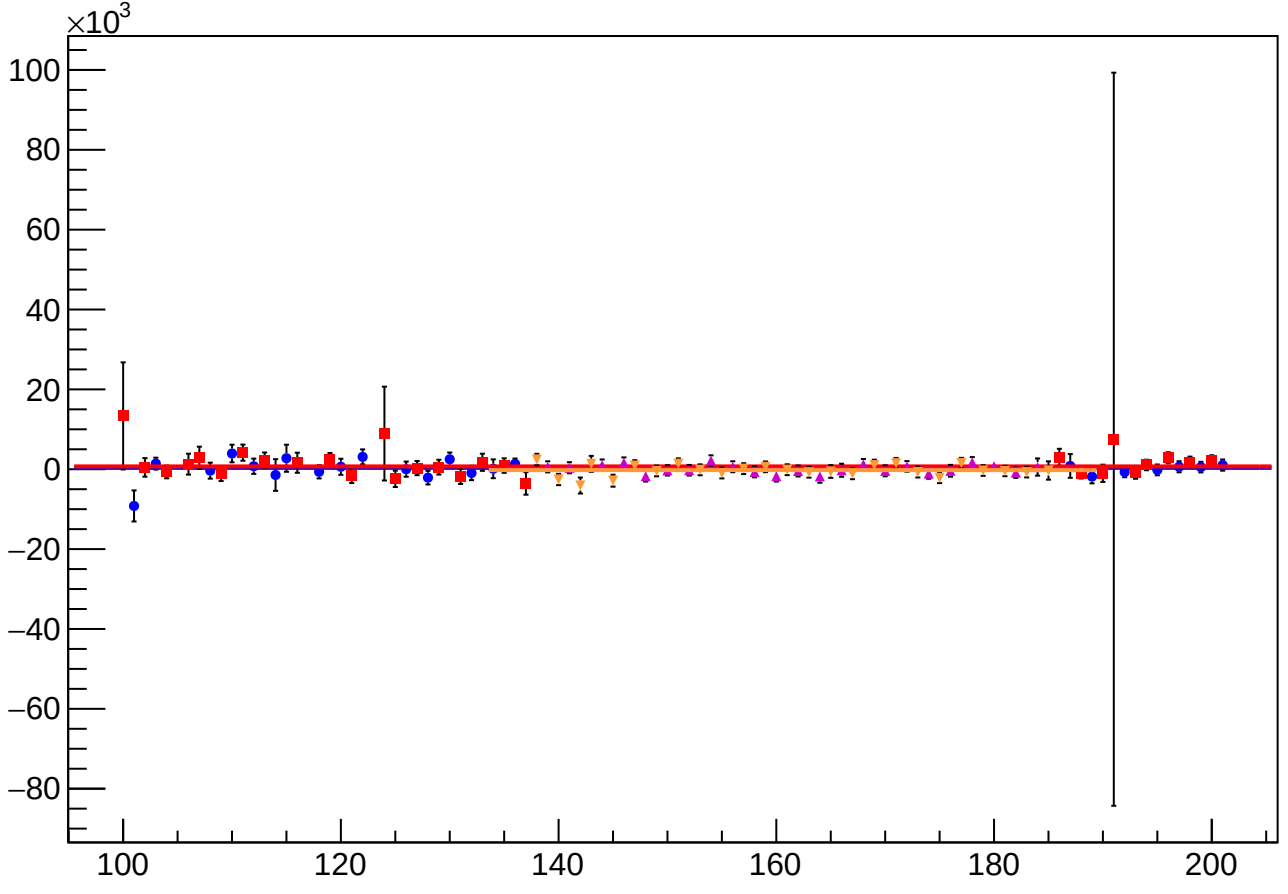
Right Out: 1296.599+/-0.263 χ^2/NDF: 2314425.1/27

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 662.822+/-0.090 χ^2/NDF: 8853967.9/47

All: 665.290+/-0.064 χ^2/NDF: 18222362.3/98

- sign 667.814+/-0.091 χ^2/NDF: 9366874.5/50



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: 711.006+/-354.696 χ^2/NDF: 26.0/27

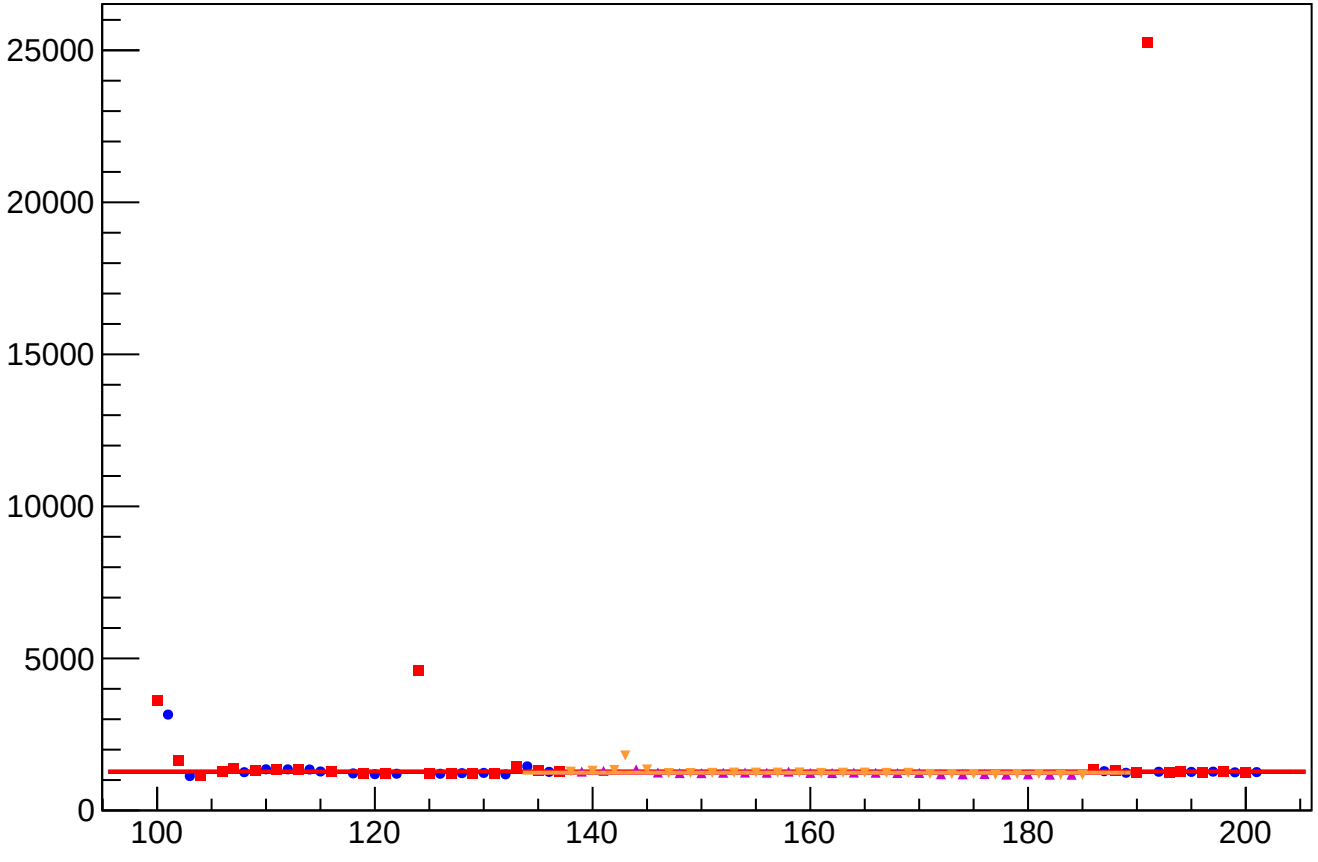
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -6.565+/-223.746 χ^2/NDF: 45.5/47

All: 165.997+/-158.189 χ^2/NDF: 89.2/98

- sign 338.457+/-223.681 χ^2/NDF: 42.5/50

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

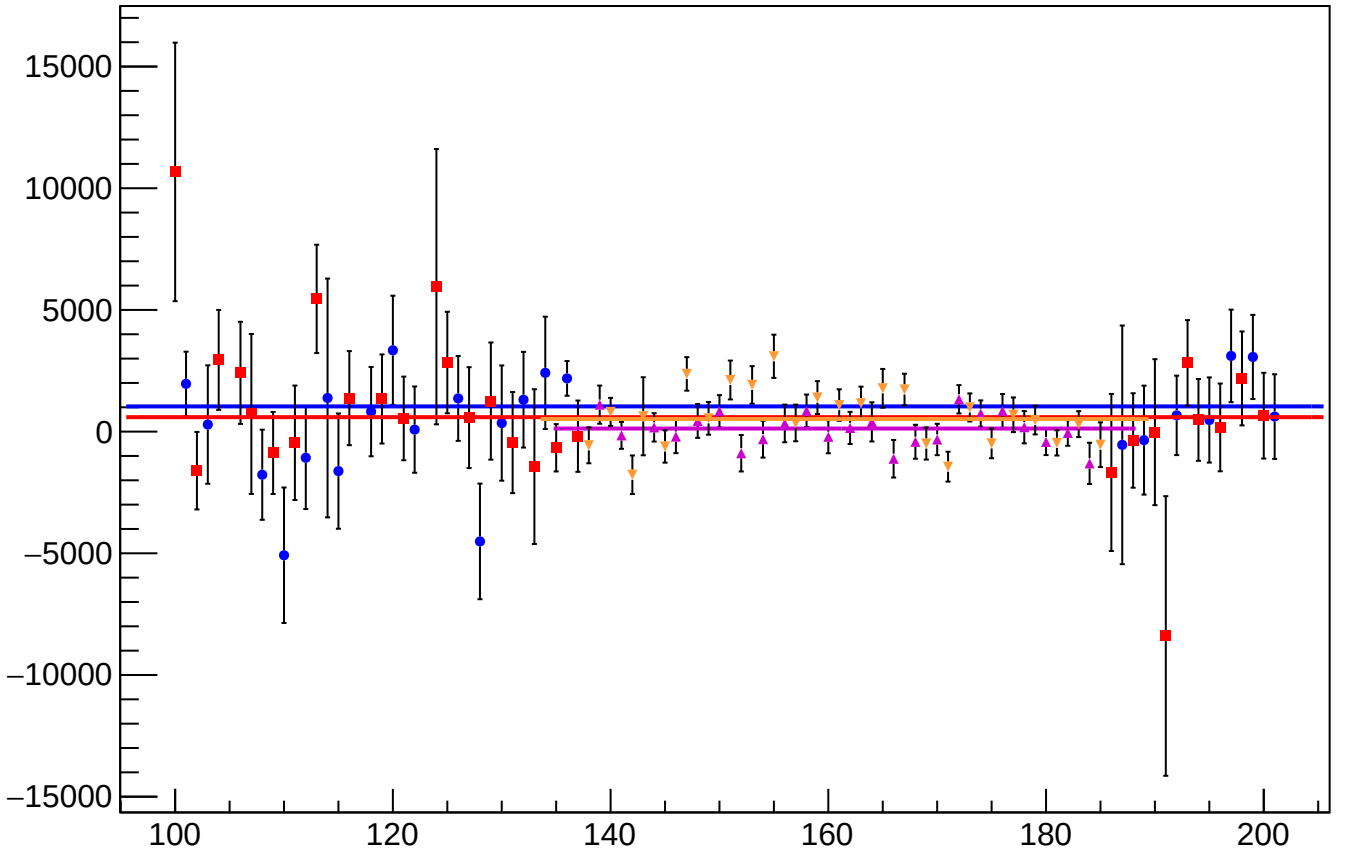
Right Out: 1282.336+/-0.251 χ^2/NDF: 475816.8/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.743+/-0.158 χ^2/NDF: 730349.8/47

All: 1252.908+/-0.112 χ^2/NDF: 1268051.2/98

- sign 1253.074+/-0.158 χ^2/NDF: 537699.2/50



Right In: 1035.835+/-367.497 χ^2/NDF: 23.2/22

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

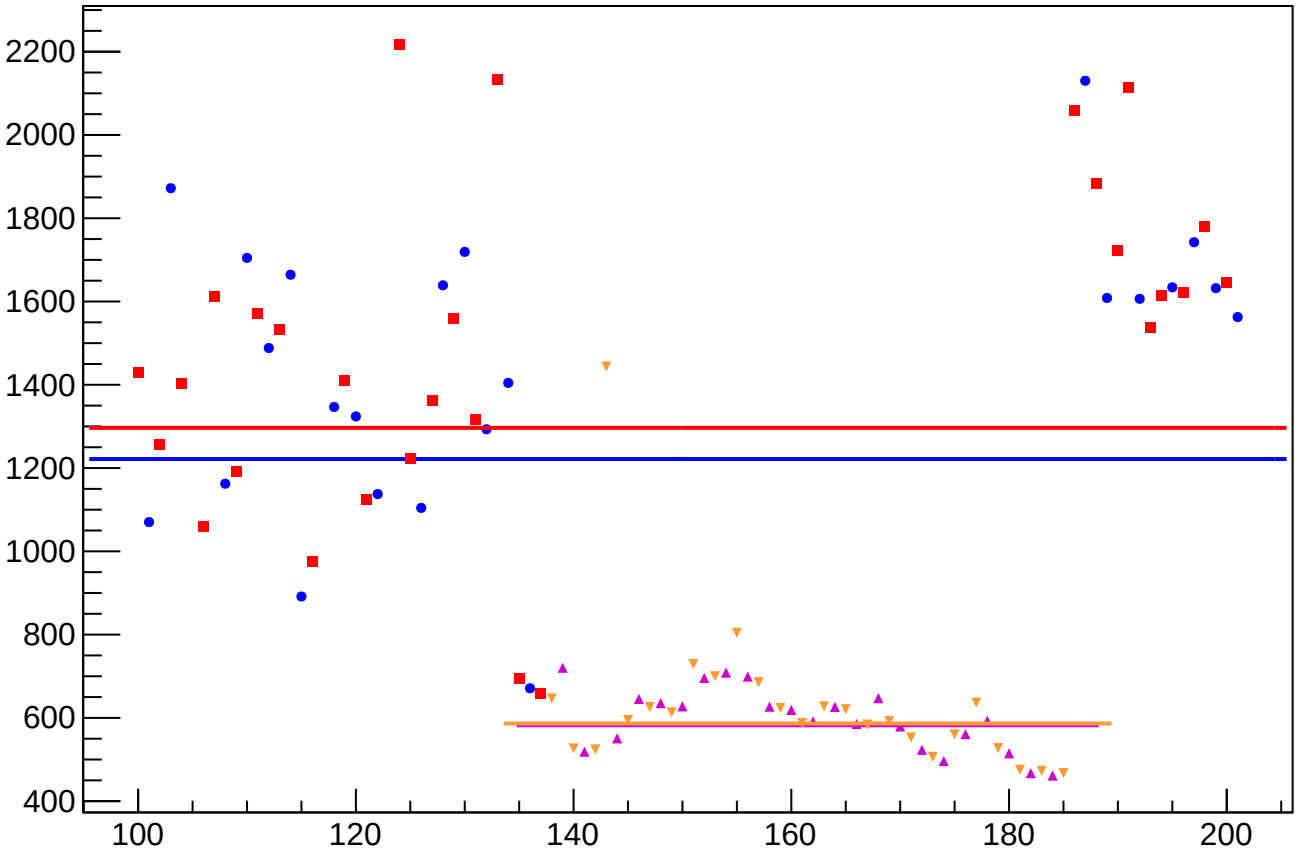
Right Out: 594.256+/-371.972 χ^2/NDF: 24.0/27

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 579.126+/-127.337 χ^2/NDF: 91.9/47

All: 383.095+/-90.546 χ^2/NDF: 143.7/98

\- sign 182.607+/-128.777 χ^2/NDF: 46.9/50



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: 1296.599+/-0.263 χ^2/NDF: 2314425.1/27

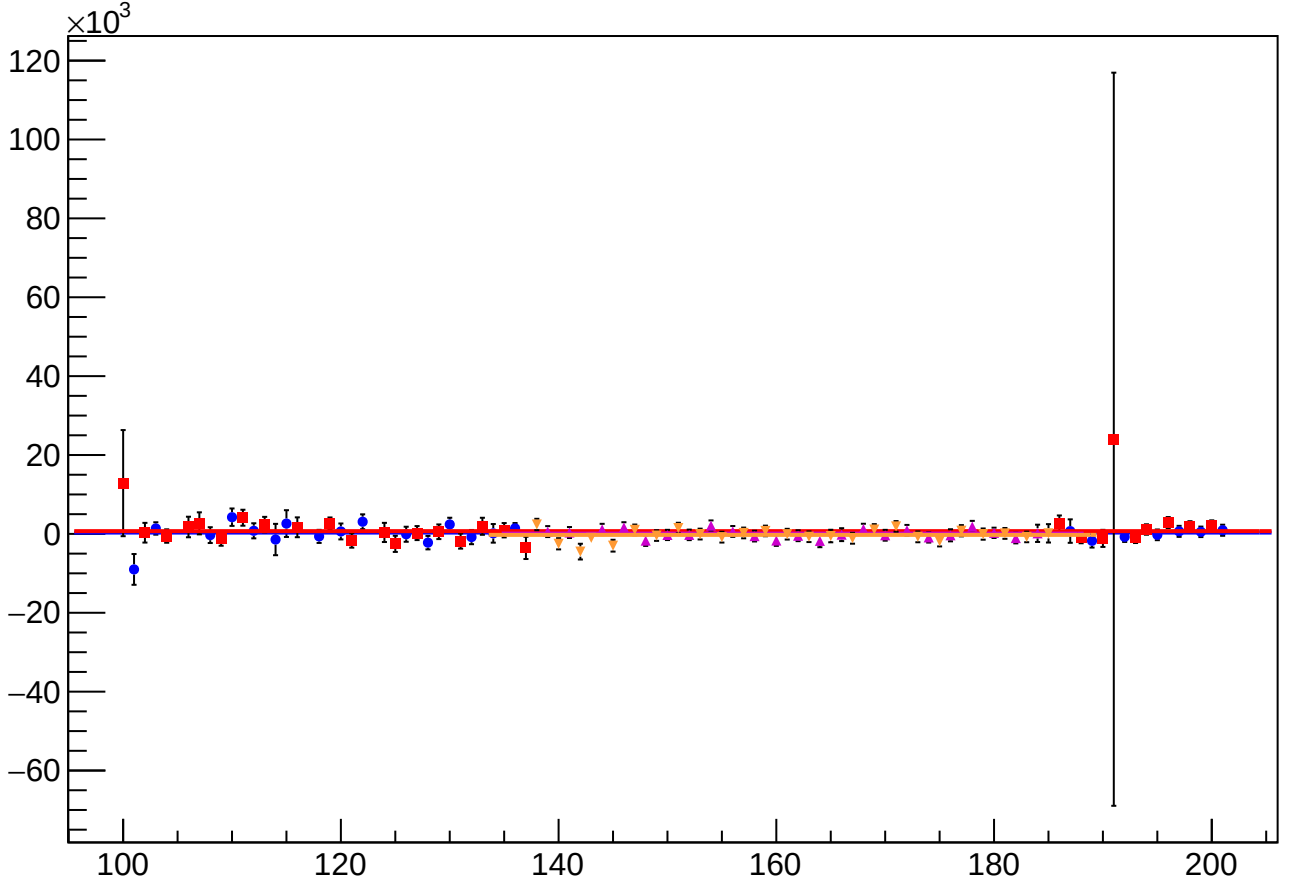
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 662.822+/-0.090 χ^2/NDF: 8853967.9/47

All: 665.290+/-0.064 χ^2/NDF: 18222362.3/98

- sign 667.814+/-0.091 χ^2/NDF: 9366874.5/50

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: 699.637+/-353.287 χ^2/NDF: 25.5/27

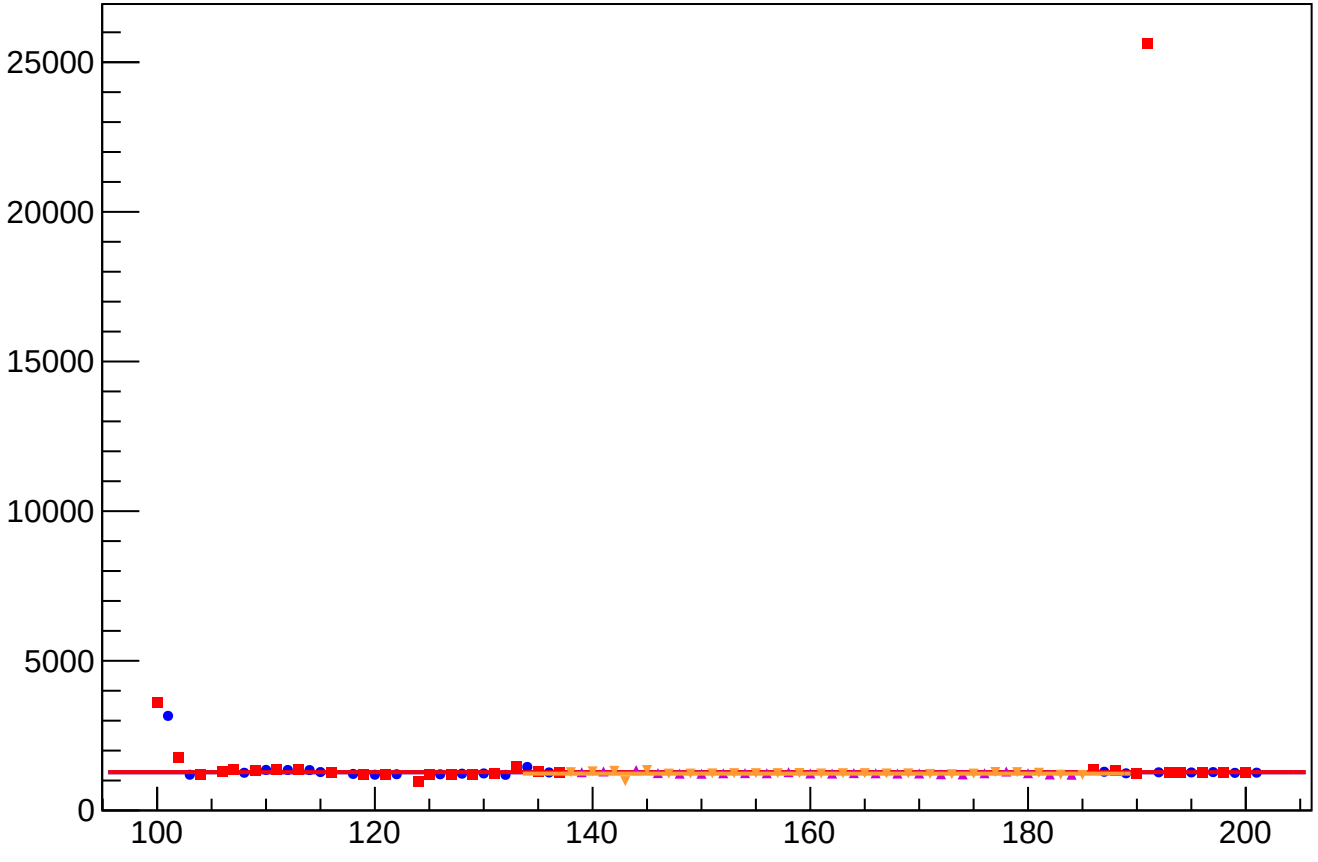
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -34.878+/-222.547 χ^2/NDF: 45.7/47

All: 144.661+/-158.163 χ^2/NDF: 88.4/98

- sign 327.893+/-224.824 χ^2/NDF: 41.4/50

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

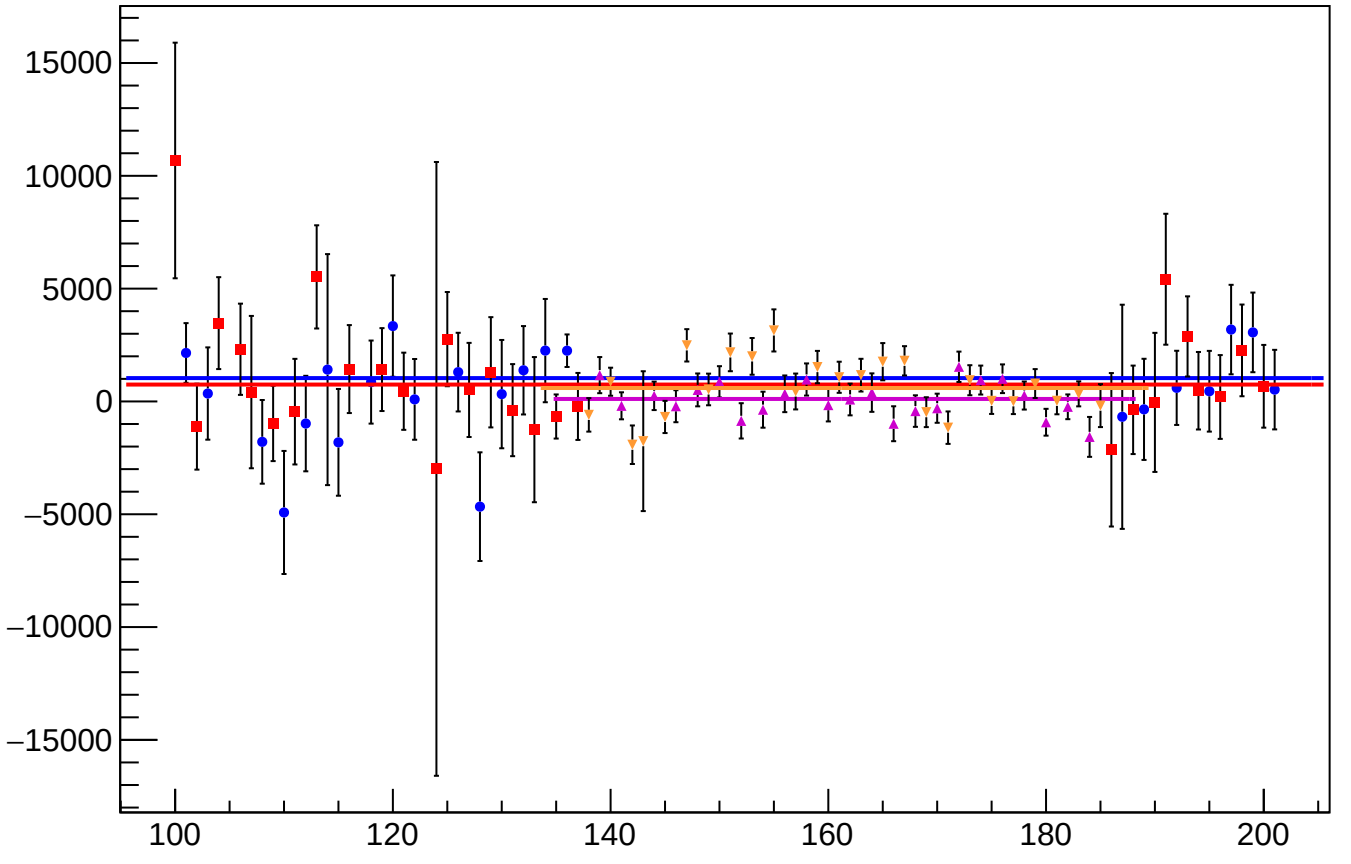
Right Out: 1279.595+/-0.250 χ^2/NDF: 368924.4/27

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.576+/-0.157 χ^2/NDF: 669617.8/47

All: 1253.550+/-0.112 χ^2/NDF: 1079499.4/98

- sign 1260.667+/-0.159 χ^2/NDF: 405913.0/50



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: 748.259+/-376.775 χ^2/NDF: 23.0/27

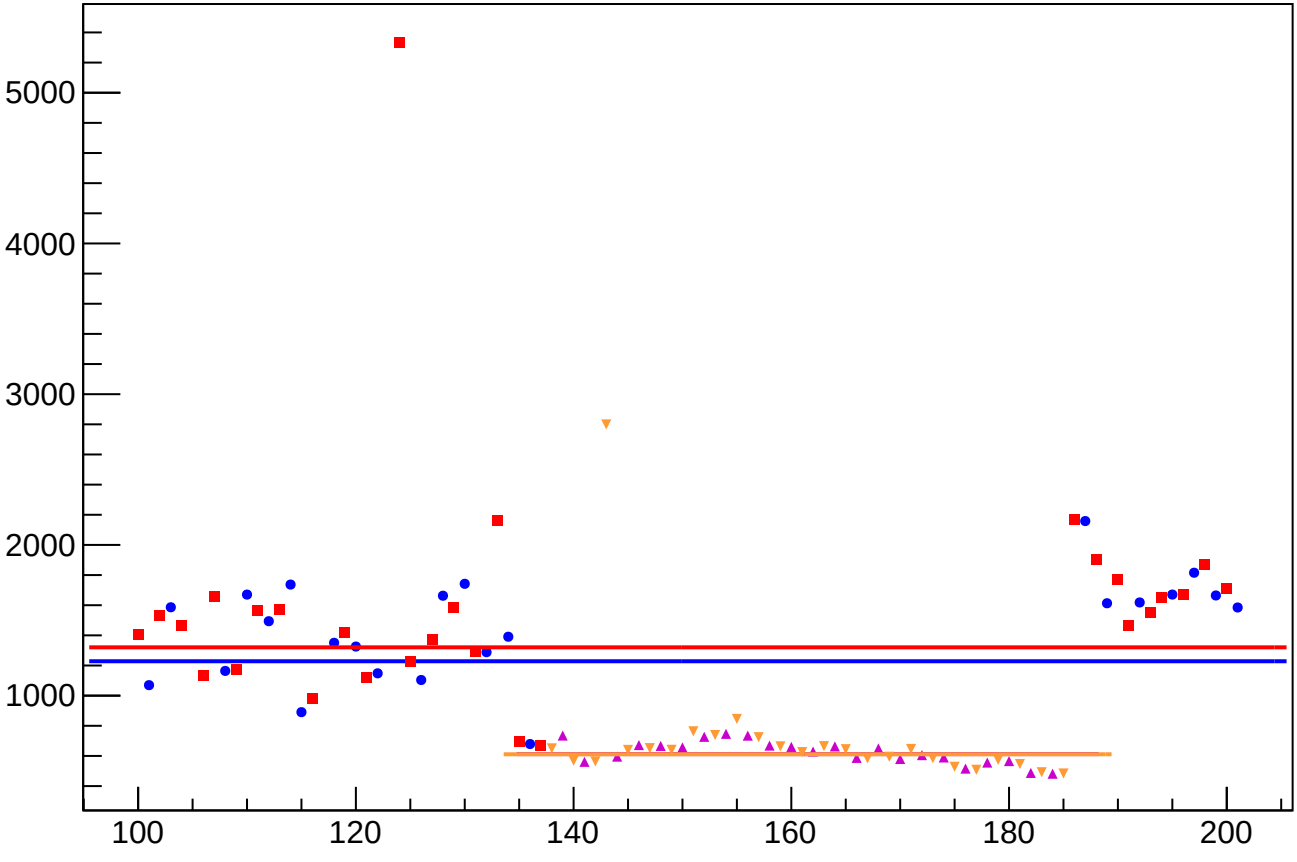
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 651.849+/-132.625 χ^2/NDF: 82.3/47

All: 425.393+/-94.505 χ^2/NDF: 139.5/98

- sign 191.797+/-134.700 χ^2/NDF: 51.3/50

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

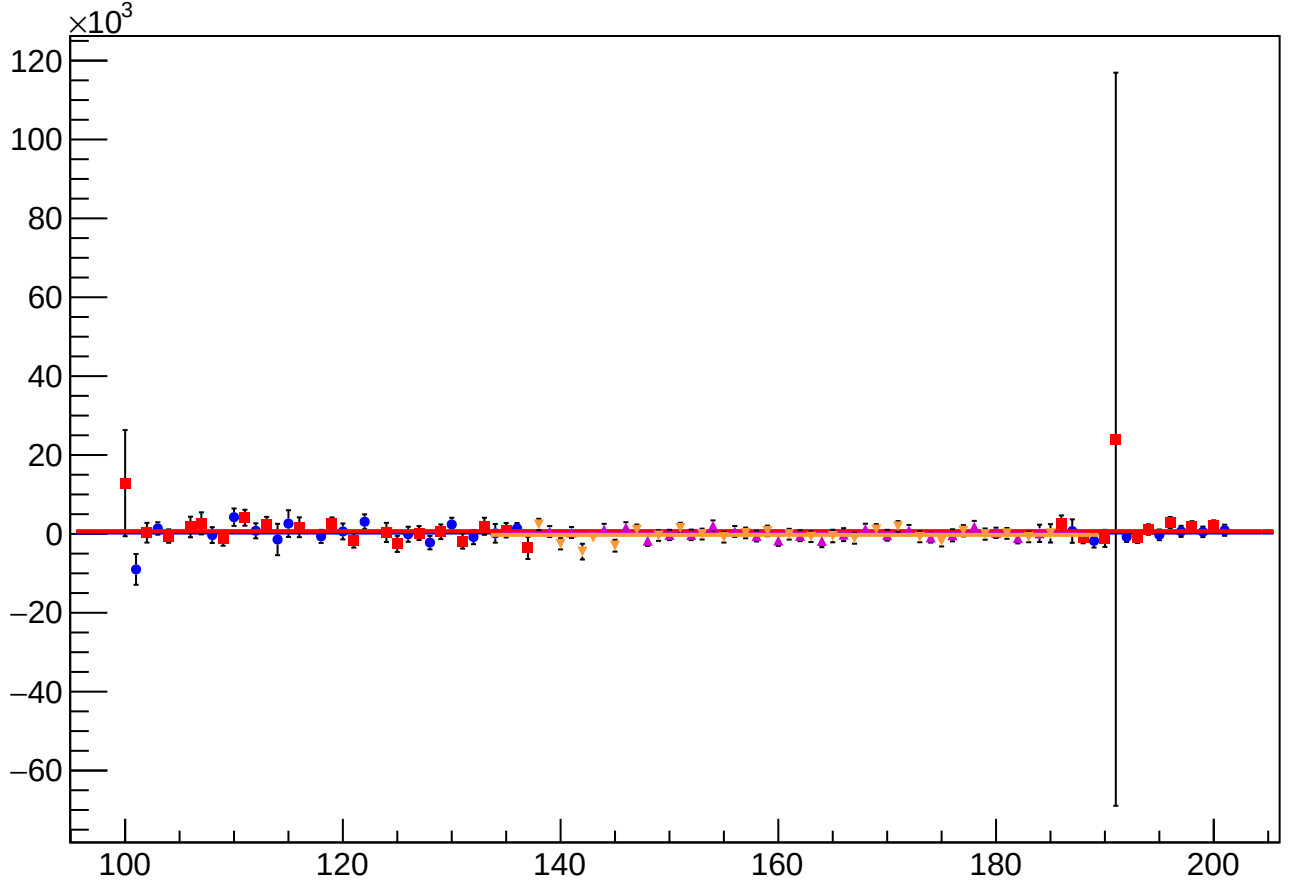
Right Out: 1320.550+/-0.266 χ^2/NDF: 2529348.7/27

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 690.864+/-0.094 χ^2/NDF: 8829268.4/47

All: 696.793+/-0.067 χ^2/NDF: 18037405.8/98

- sign 702.909+/-0.095 χ^2/NDF: 9200017.9/50



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: 699.636+/-353.287 χ^2/NDF: 25.5/27

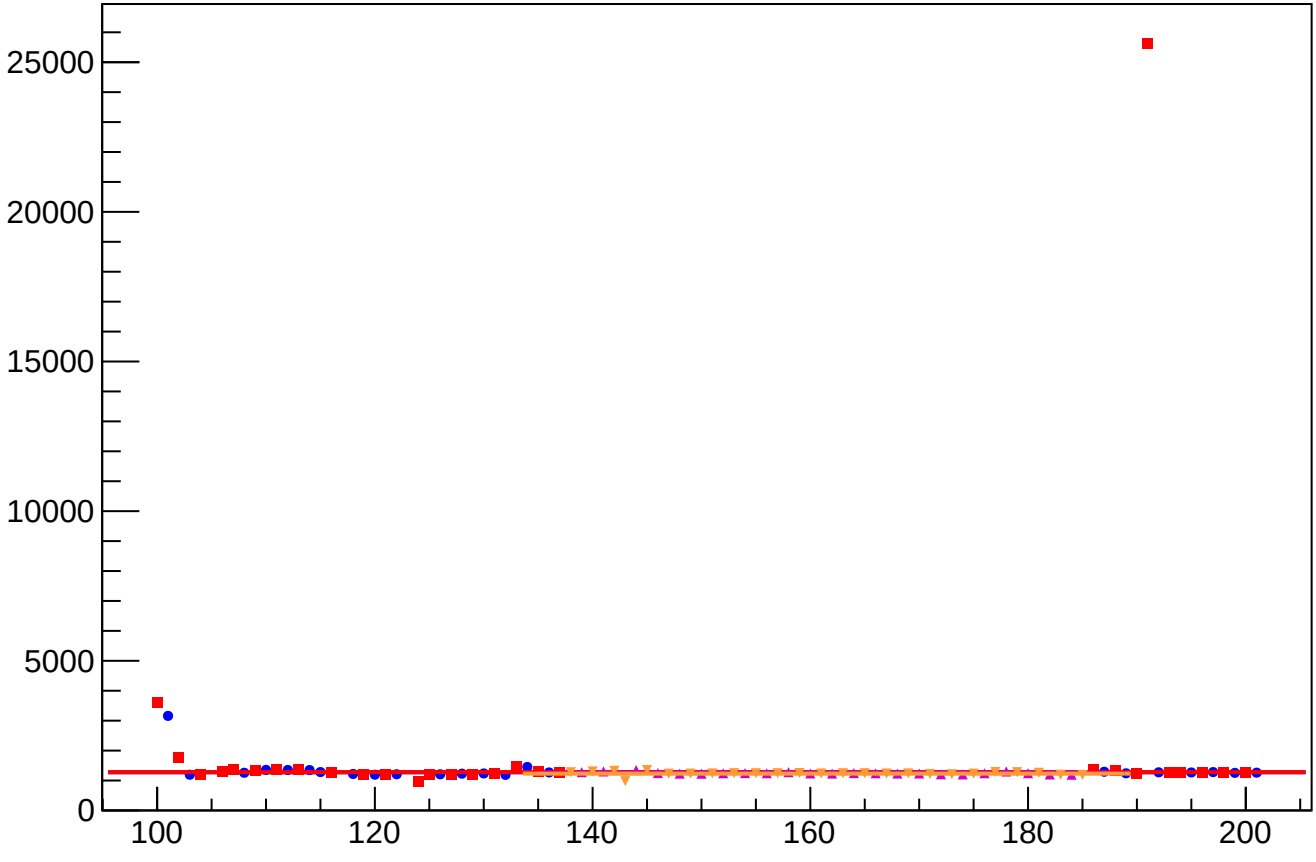
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign -34.879+/-222.547 χ^2/NDF: 45.7/47

All: 144.660+/-158.163 χ^2/NDF: 88.4/98

\- sign 327.893+/-224.824 χ^2/NDF: 41.4/50

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

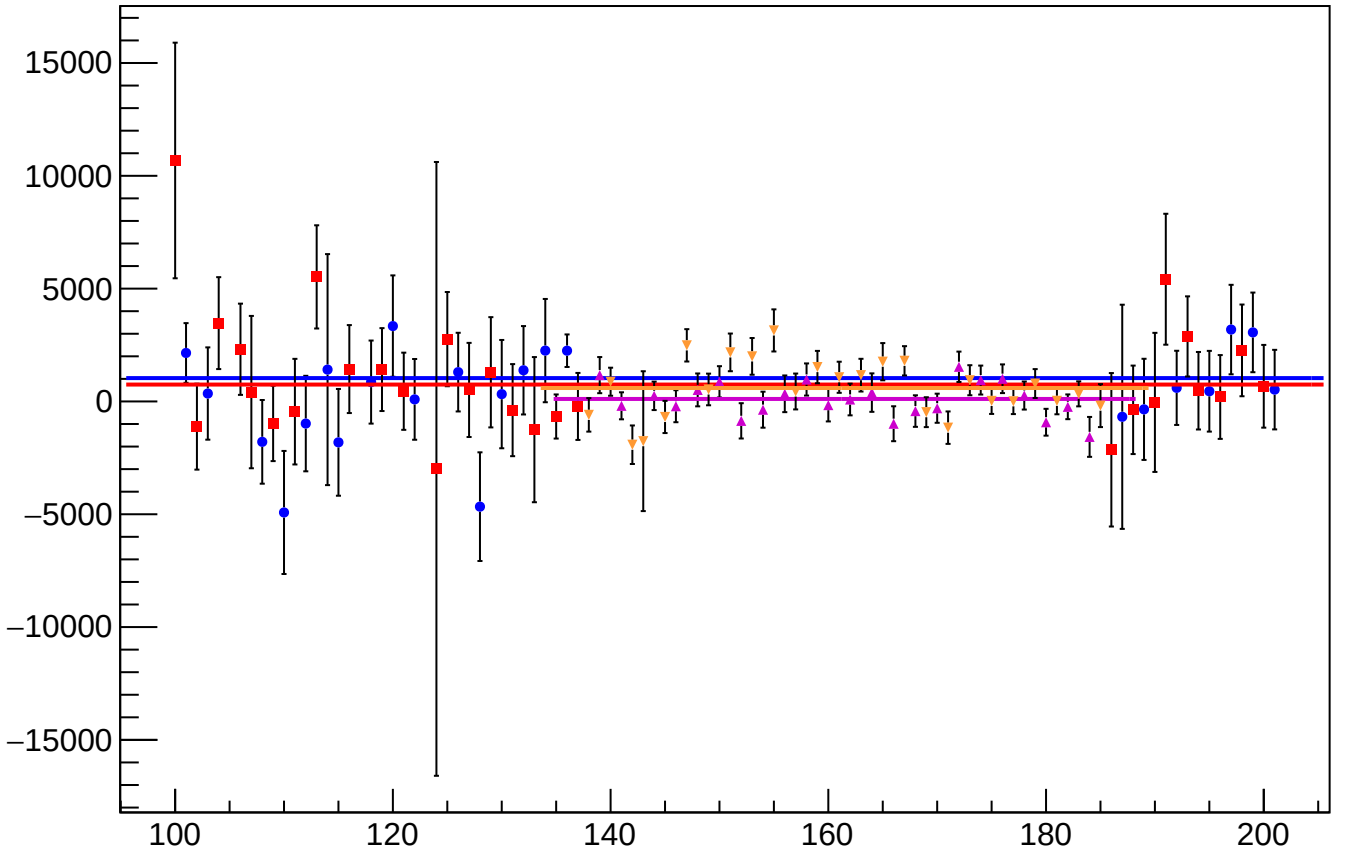
Right Out: 1279.595+/-0.250 χ^2/NDF: 368924.3/27

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.576+/-0.157 χ^2/NDF: 669616.9/47

All: 1253.550+/-0.112 χ^2/NDF: 1079498.4/98

- sign 1260.667+/-0.159 χ^2/NDF: 405912.9/50



Right In: 1034.736+/-368.862 χ^2/NDF: 23.7/22

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

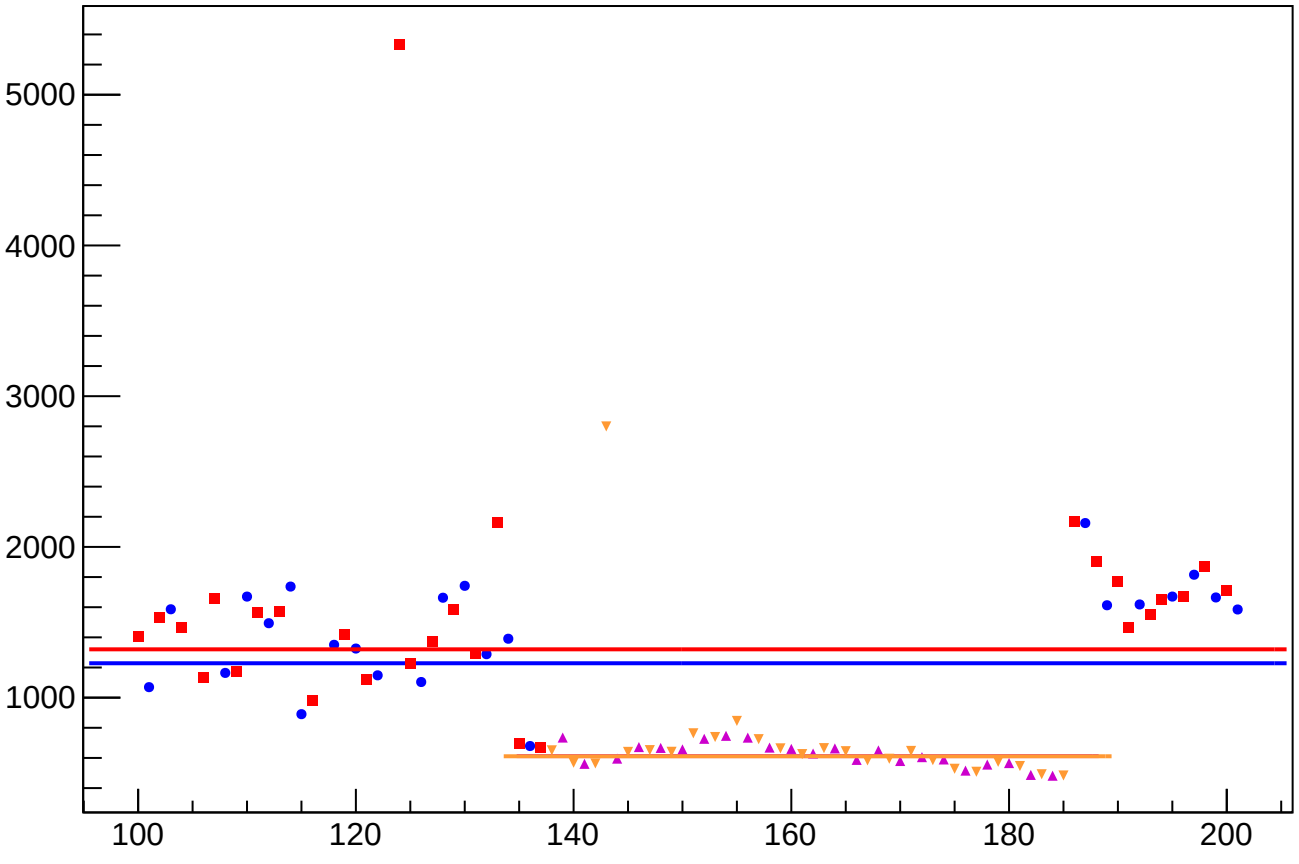
Right Out: 748.269+/-376.776 χ^2/NDF: 23.0/27

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 651.848+/-132.625 χ^2/NDF: 82.3/47

All: 425.392+/-94.505 χ^2/NDF: 139.5/98

- sign 191.797+/-134.700 χ^2/NDF: 51.3/50



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: 1320.556+/-0.266 χ^2/NDF: 2529270.4/27

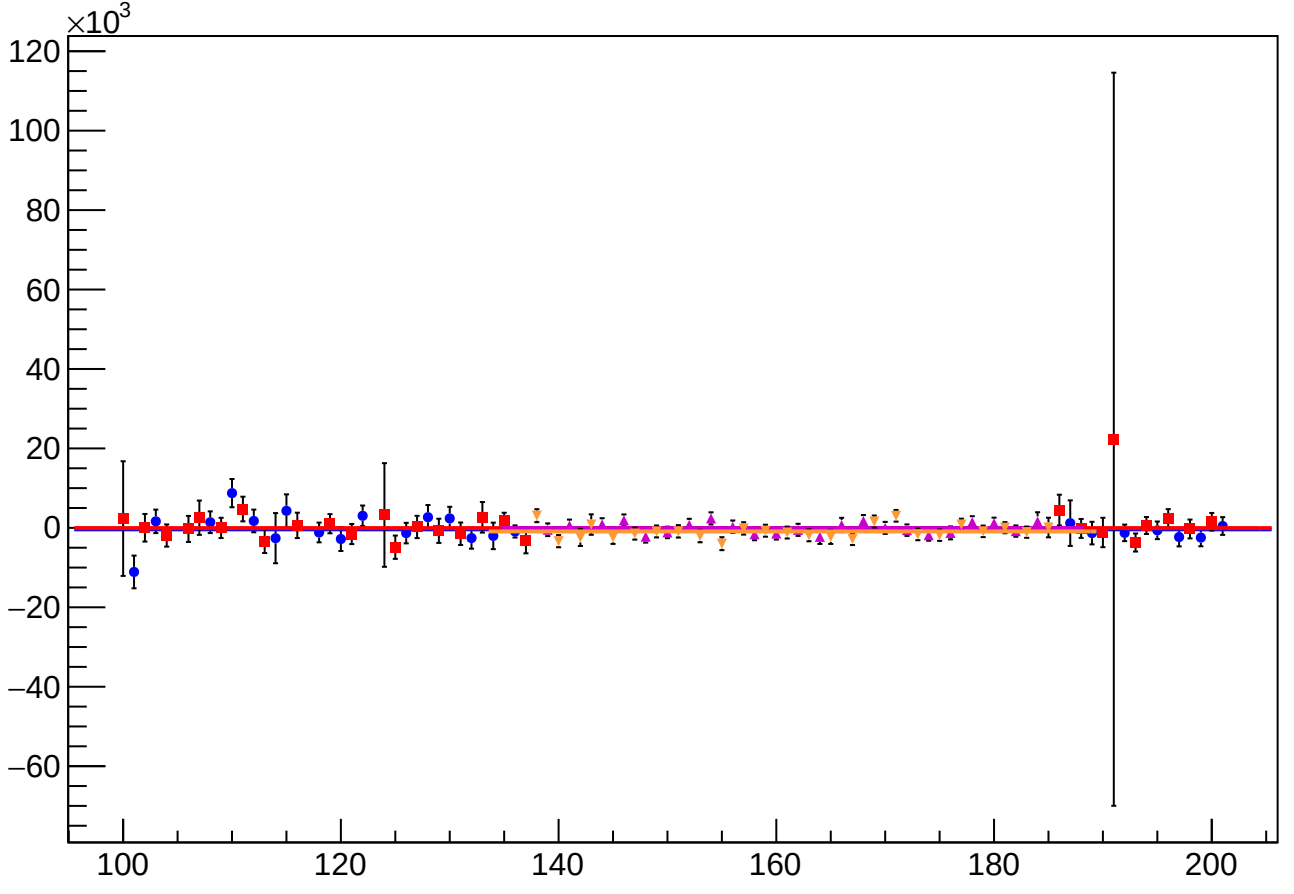
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 690.864+/-0.094 χ^2/NDF: 8829257.5/47

All: 696.793+/-0.067 χ^2/NDF: 18037405.0/98

- sign 702.908+/-0.095 χ^2/NDF: 9200028.7/50

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: -61.700+/-547.034 χ^2/NDF: 16.3/27

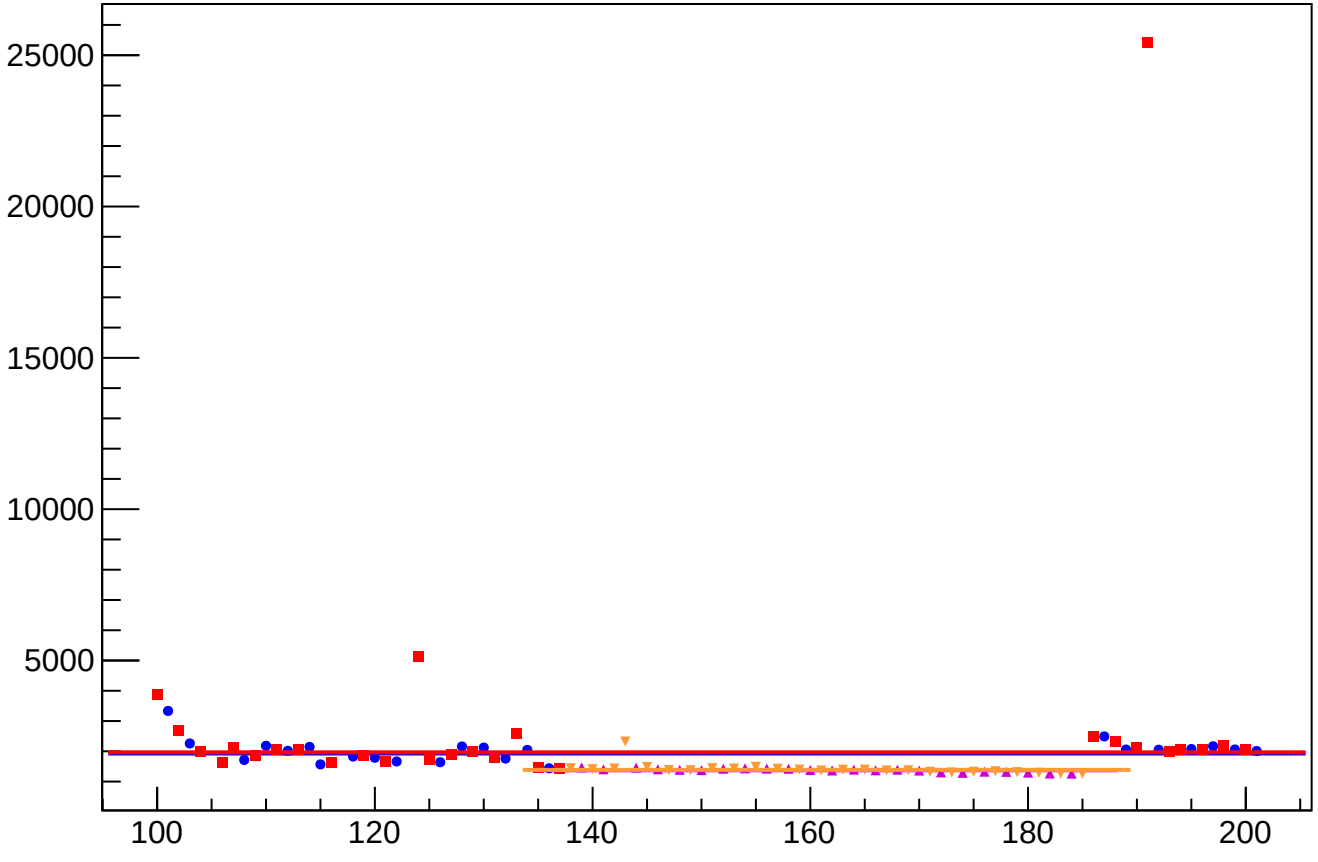
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -769.104+/-275.136 χ^2/NDF: 54.4/47

All: -412.546+/-195.139 χ^2/NDF: 91.9/98

- sign -51.640+/-276.809 χ^2/NDF: 34.2/50

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

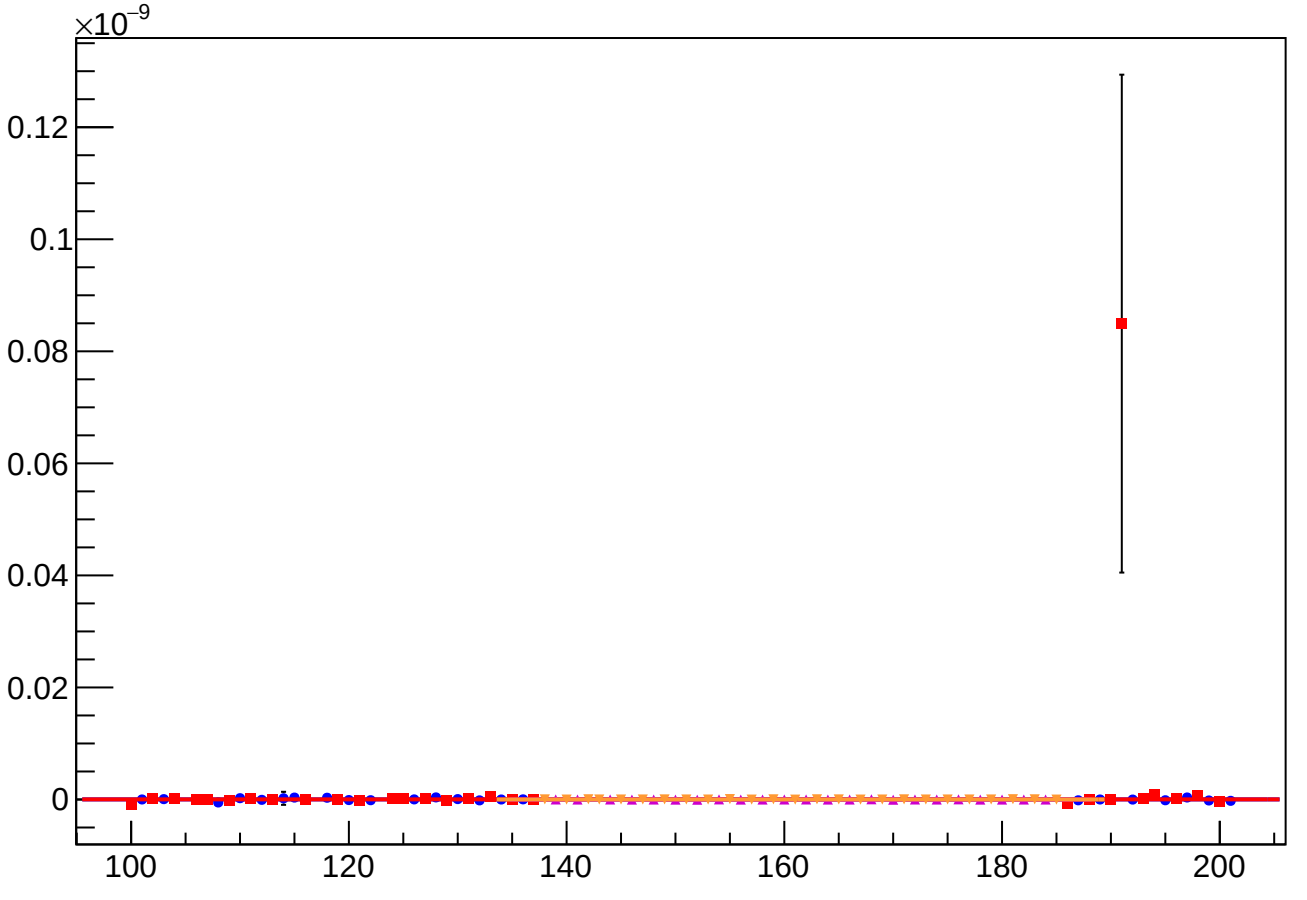
Right Out: 1966.810+/-0.387 χ^2/NDF: 814321.2/27

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1518.680+/-0.195 χ^2/NDF: 2421046.2/47

All: 1521.925+/-0.138 χ^2/NDF: 5052365.1/98

- sign 1525.210+/-0.196 χ^2/NDF: 2630758.9/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

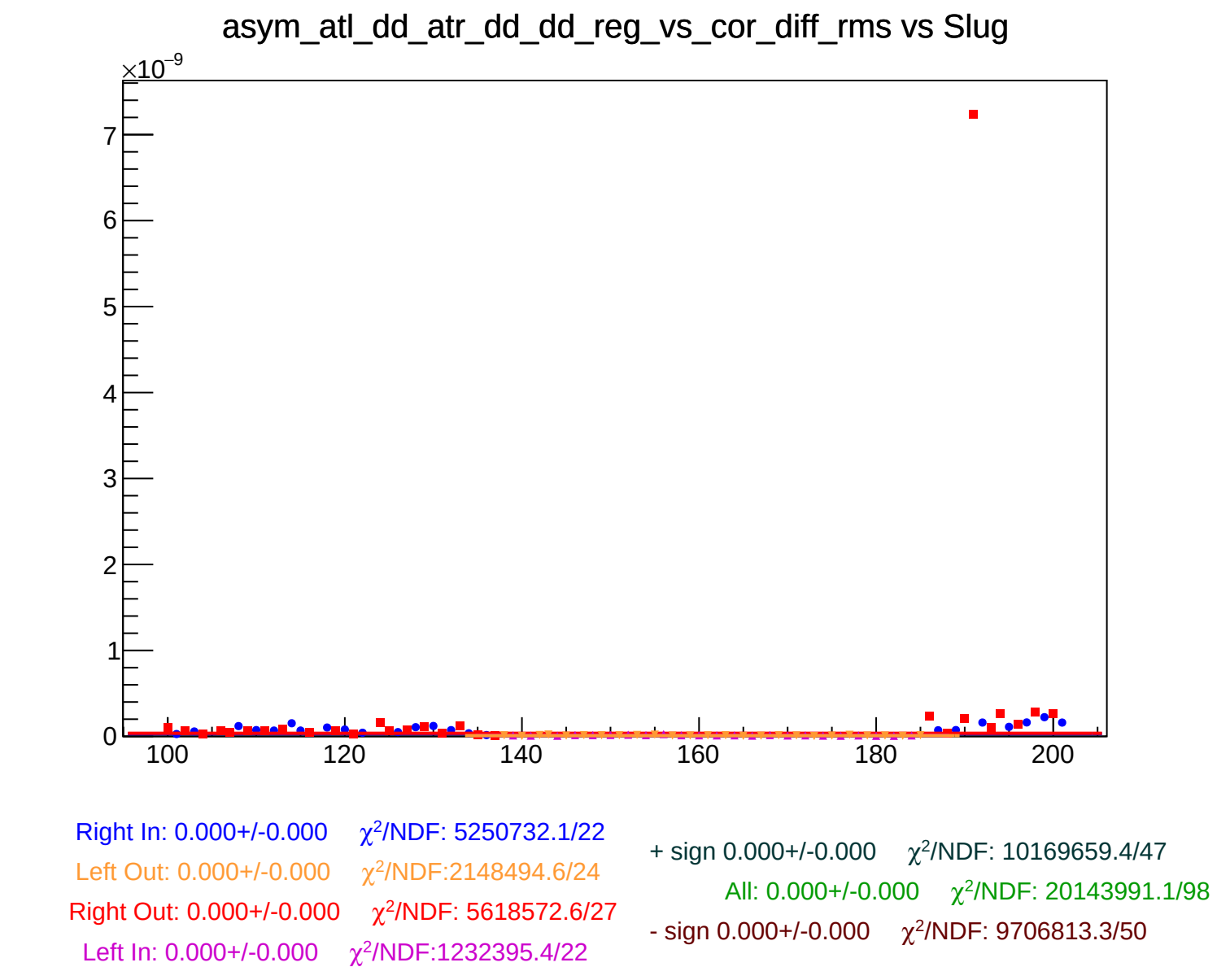
Right Out: 0.000+/-0.000 χ^2/NDF: 43.2/27

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

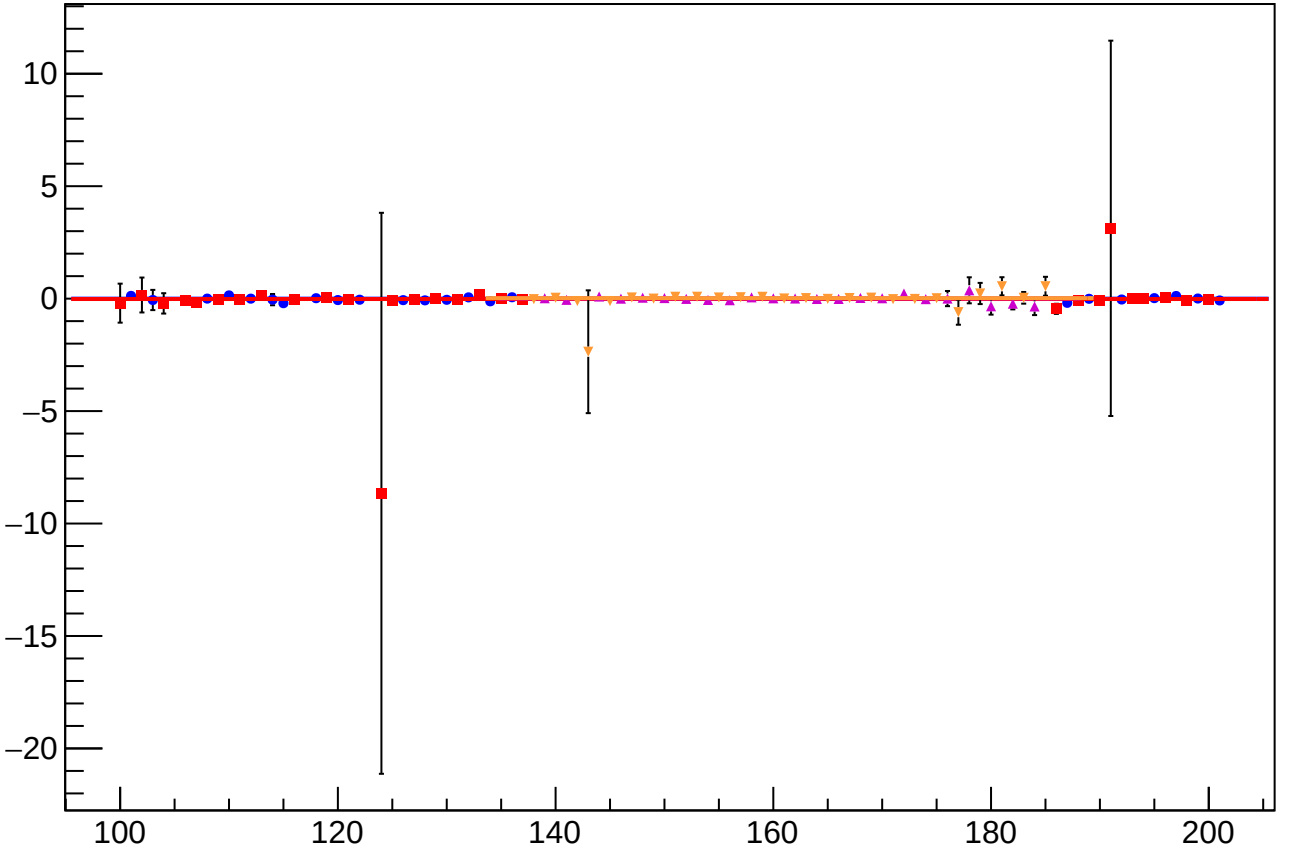
+ sign 0.000+/-0.000 χ^2/NDF: 45.5/47

All: 0.000+/-0.000 χ^2/NDF: 104.2/98

- sign -0.000+/-0.000 χ^2/NDF: 57.9/50


asym_atl_dd_atr_dd_dd_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: 5618572.6/27
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: 20143991.1/98
- sign 0.000+/-0.000 χ²/NDF: 9706813.3/50

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: -0.017+/-0.013 χ^2/NDF: 21.4/27

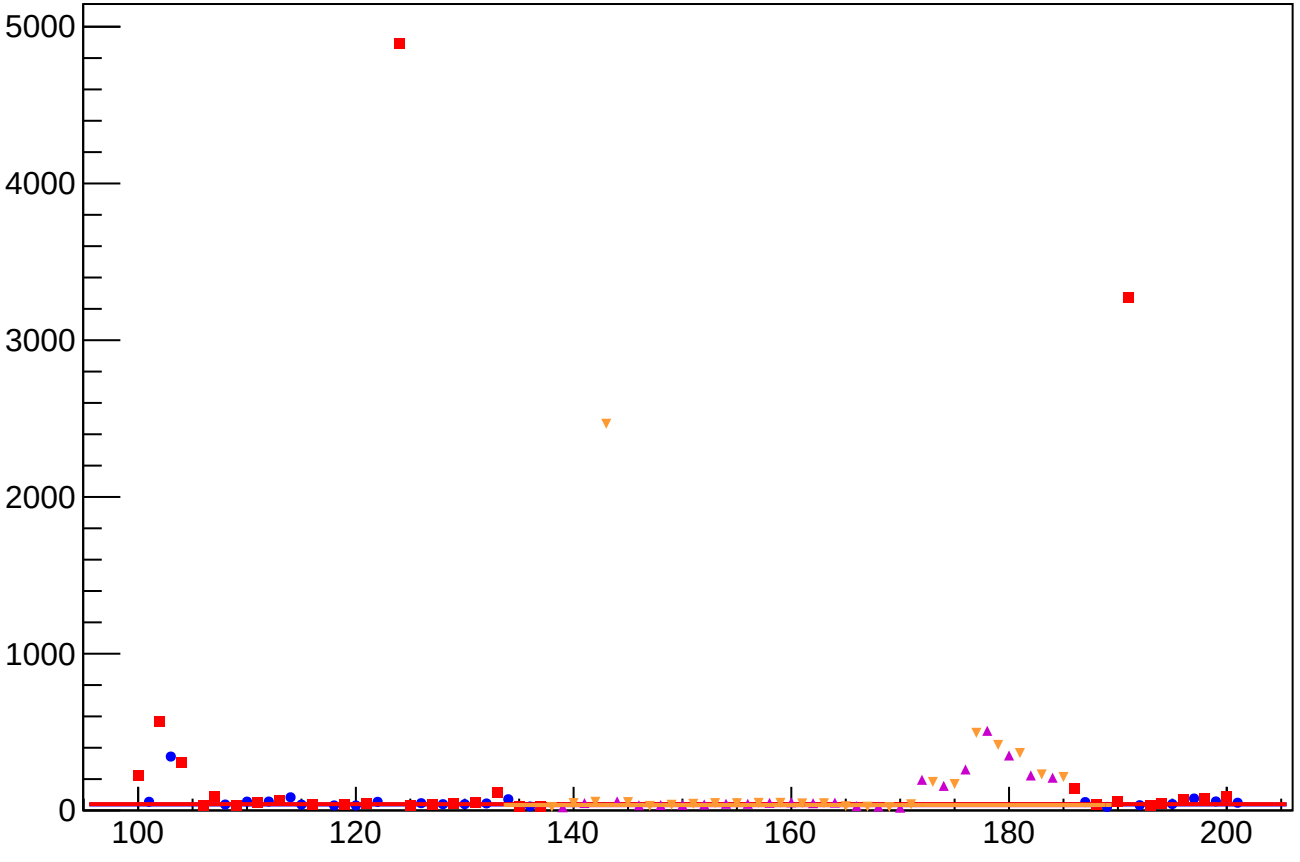
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.008 χ^2/NDF: 51.8/47

All: 0.007+/-0.006 χ^2/NDF: 92.0/98

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50

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

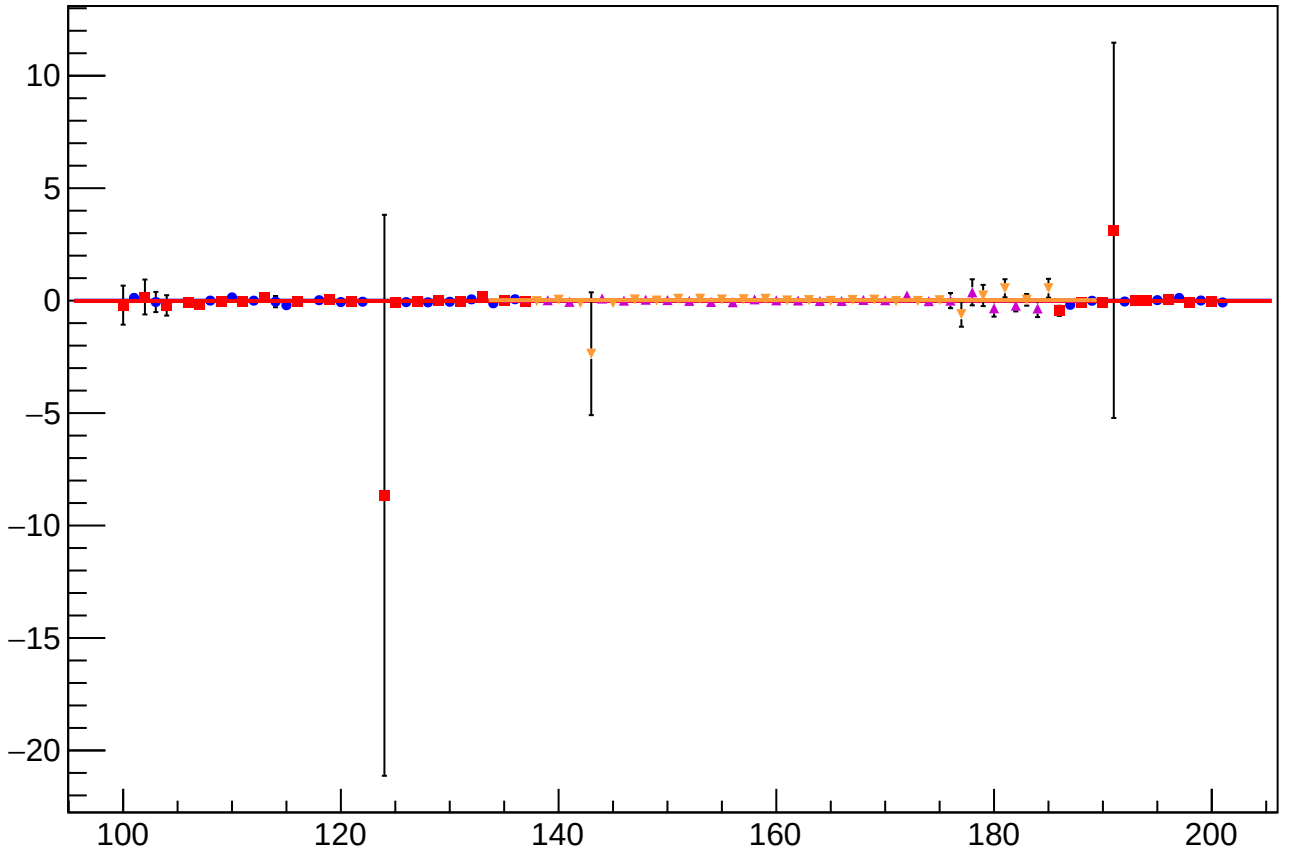
Right Out: 40.388+/-0.009 χ^2/NDF: 5206356.5/27

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 36.024+/-0.006 χ^2/NDF: 14457079.7/47

All: 36.030+/-0.004 χ^2/NDF: 30067191.5/98

- sign 36.037+/-0.006 χ^2/NDF: 15610109.0/50



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

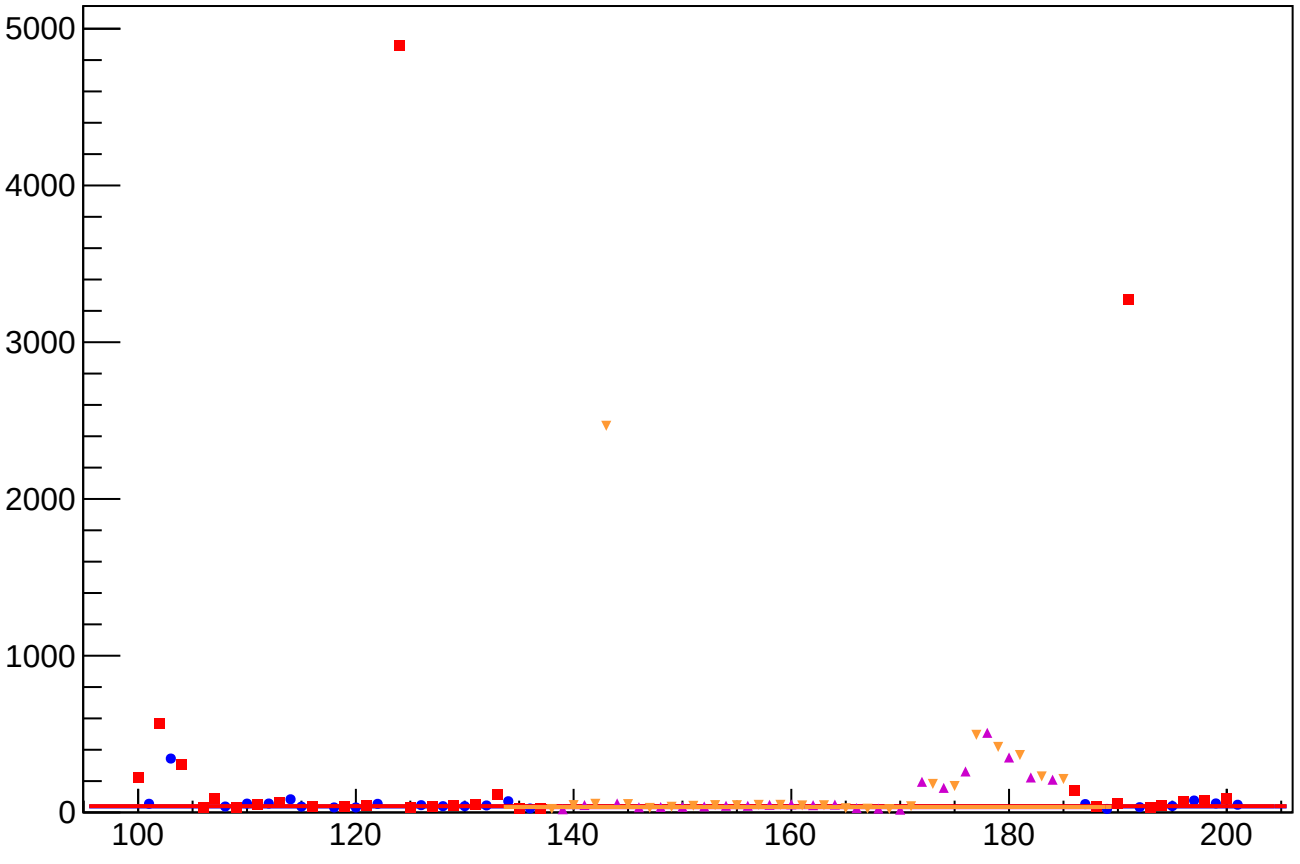
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

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: 92.0/98

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50



Right In: 38.152+/-0.009 χ^2/NDF: 2959741.5/22

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

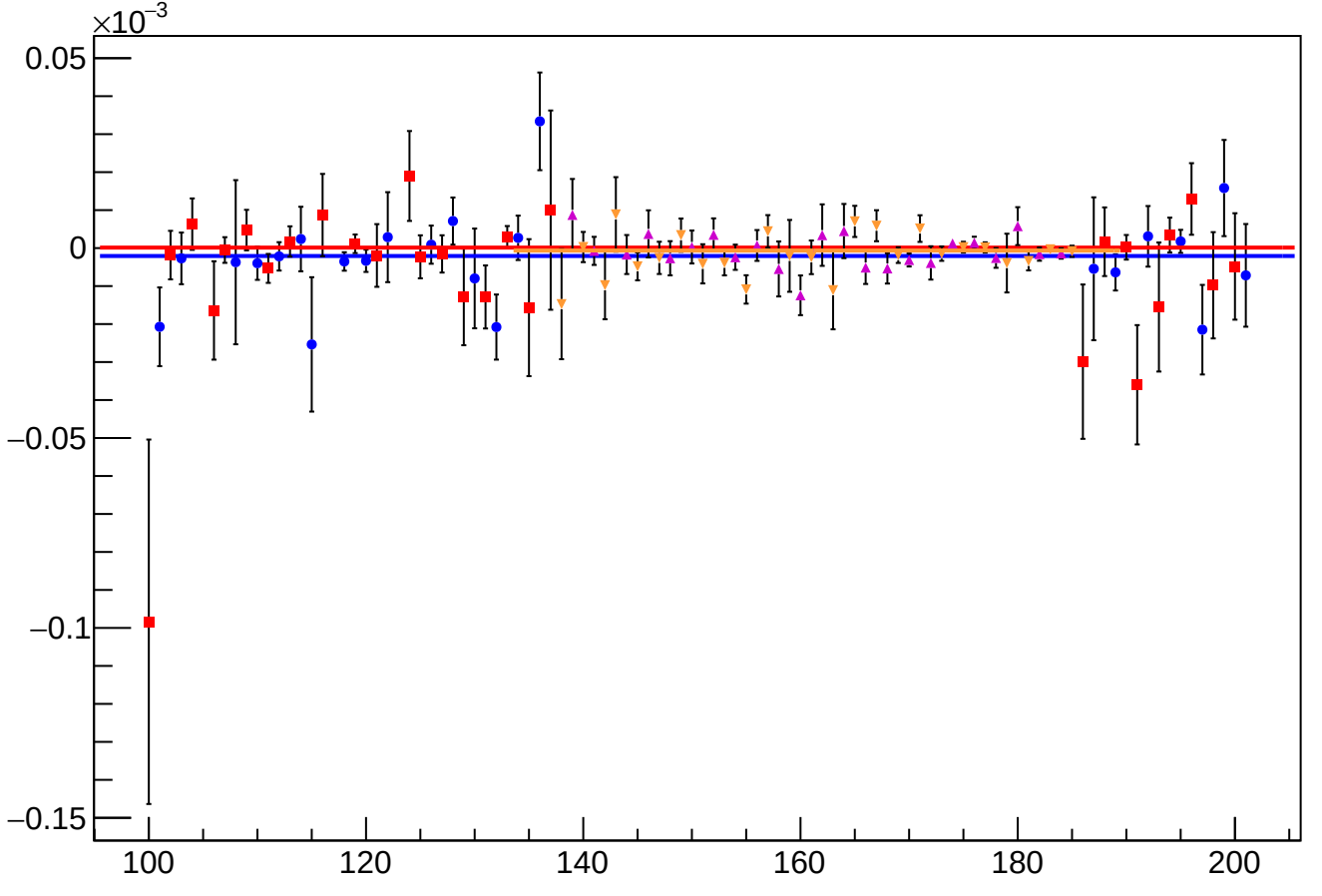
Right Out: 40.388+/-0.009 χ^2/NDF: 5206356.5/27

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 36.024+/-0.006 χ^2/NDF: 14457079.7/47

All: 36.030+/-0.004 χ^2/NDF: 30067191.5/98

- sign 36.037+/-0.006 χ^2/NDF: 15610109.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

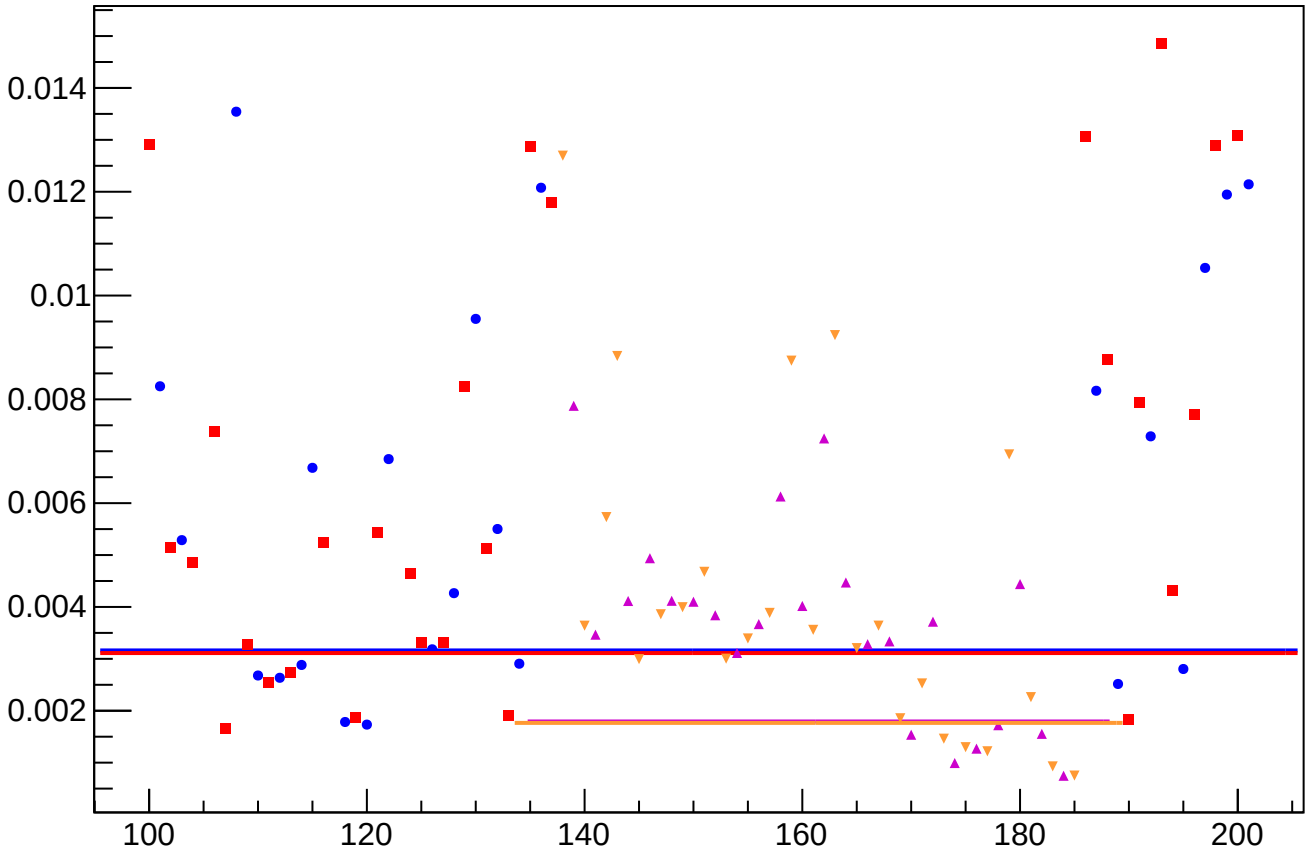
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/27

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: 112.3/98

- sign -0.000+/-0.000 χ^2/NDF: 52.6/50



Right In: 0.003+/-0.000 χ^2/NDF: 7615520.0/22

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

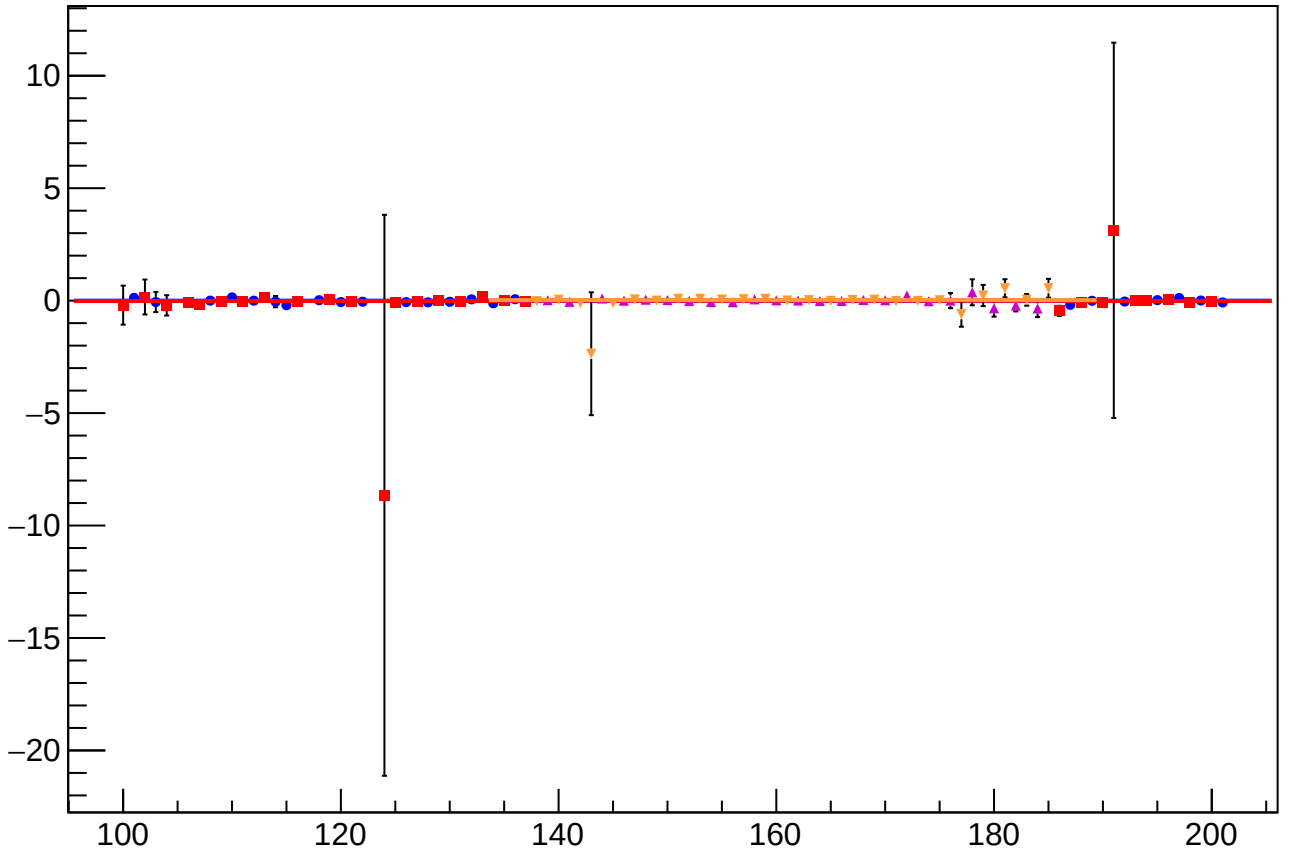
Right Out: 0.003+/-0.000 χ^2/NDF: 8800178.3/27

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: 45139303.4/98

\- sign 0.002+/-0.000 χ^2/NDF: 22062245.7/50



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

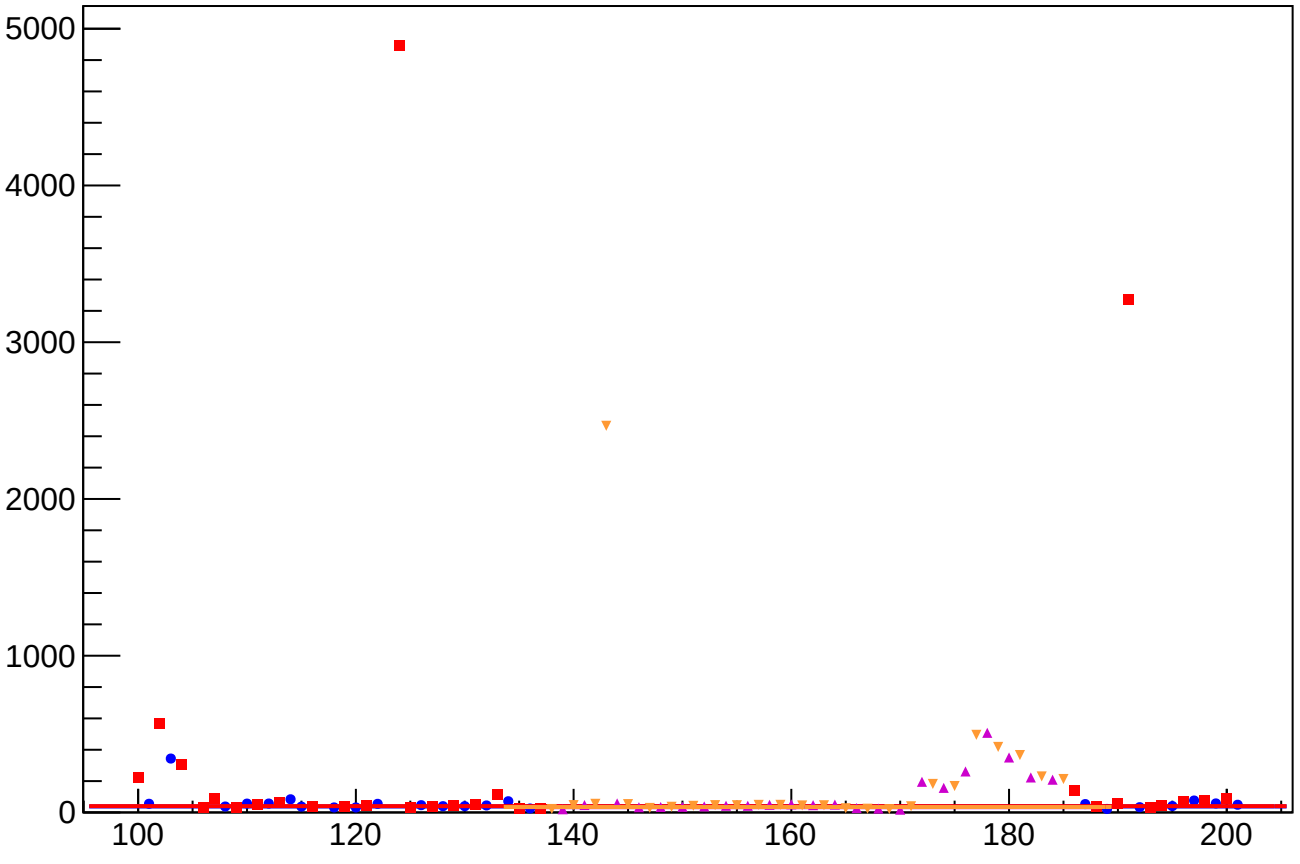
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

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: 92.0/98

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50



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: 40.388+/-0.009 χ^2/NDF: 5206167.5/27

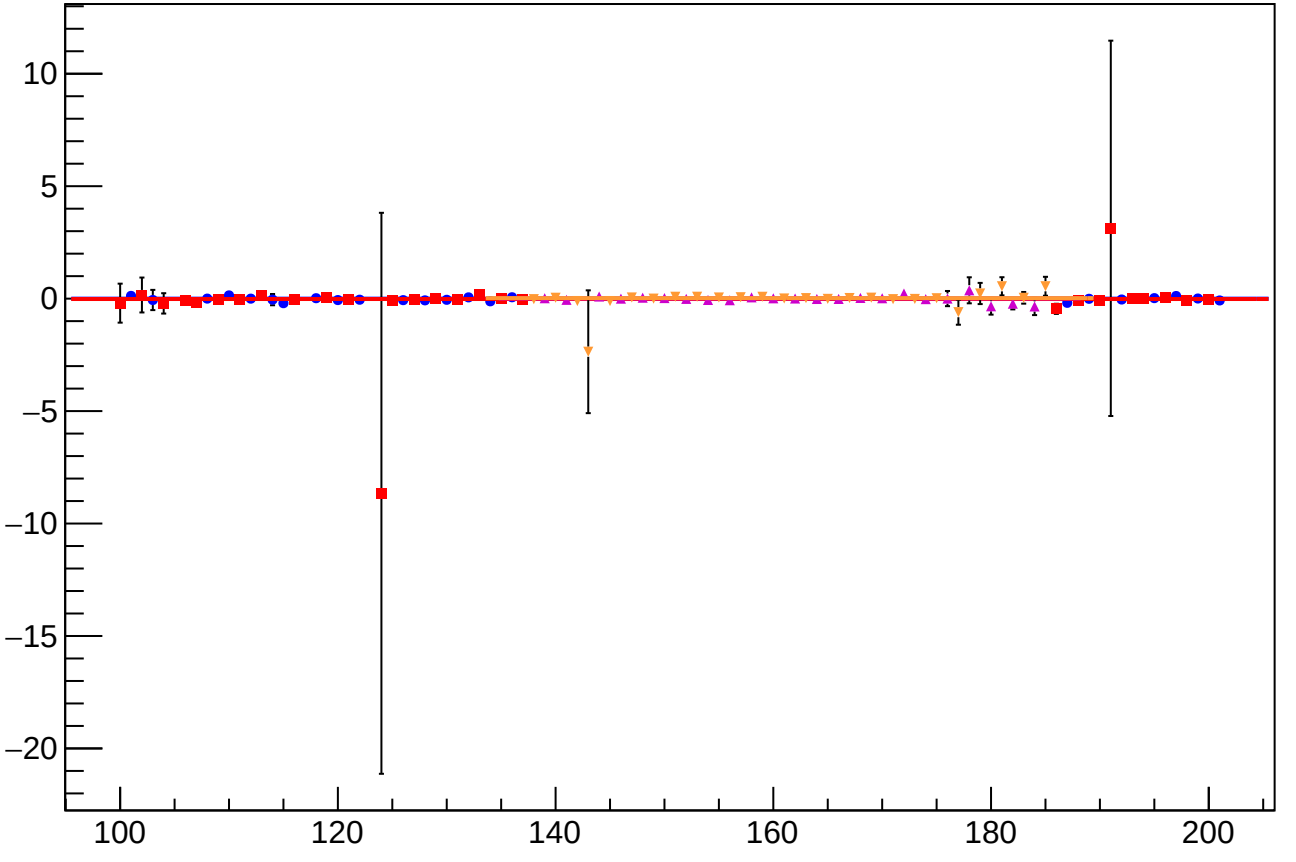
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 36.024+/-0.006 χ^2/NDF: 14456525.0/47

All: 36.031+/-0.004 χ^2/NDF: 30065005.7/98

- sign 36.039+/-0.006 χ^2/NDF: 15608477.3/50

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_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

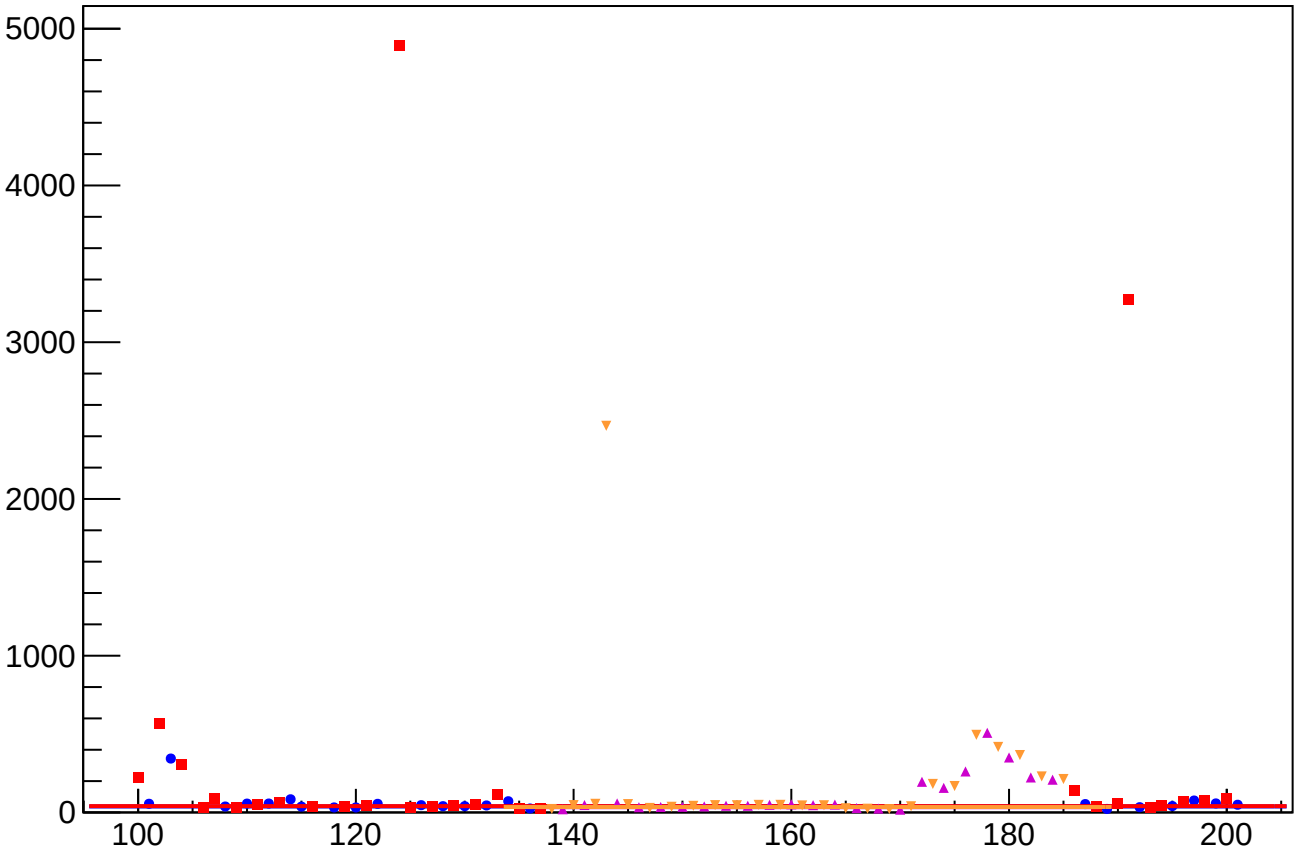
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

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: 92.0/98

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50



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: 40.388+/-0.009 χ^2/NDF: 5206167.5/27

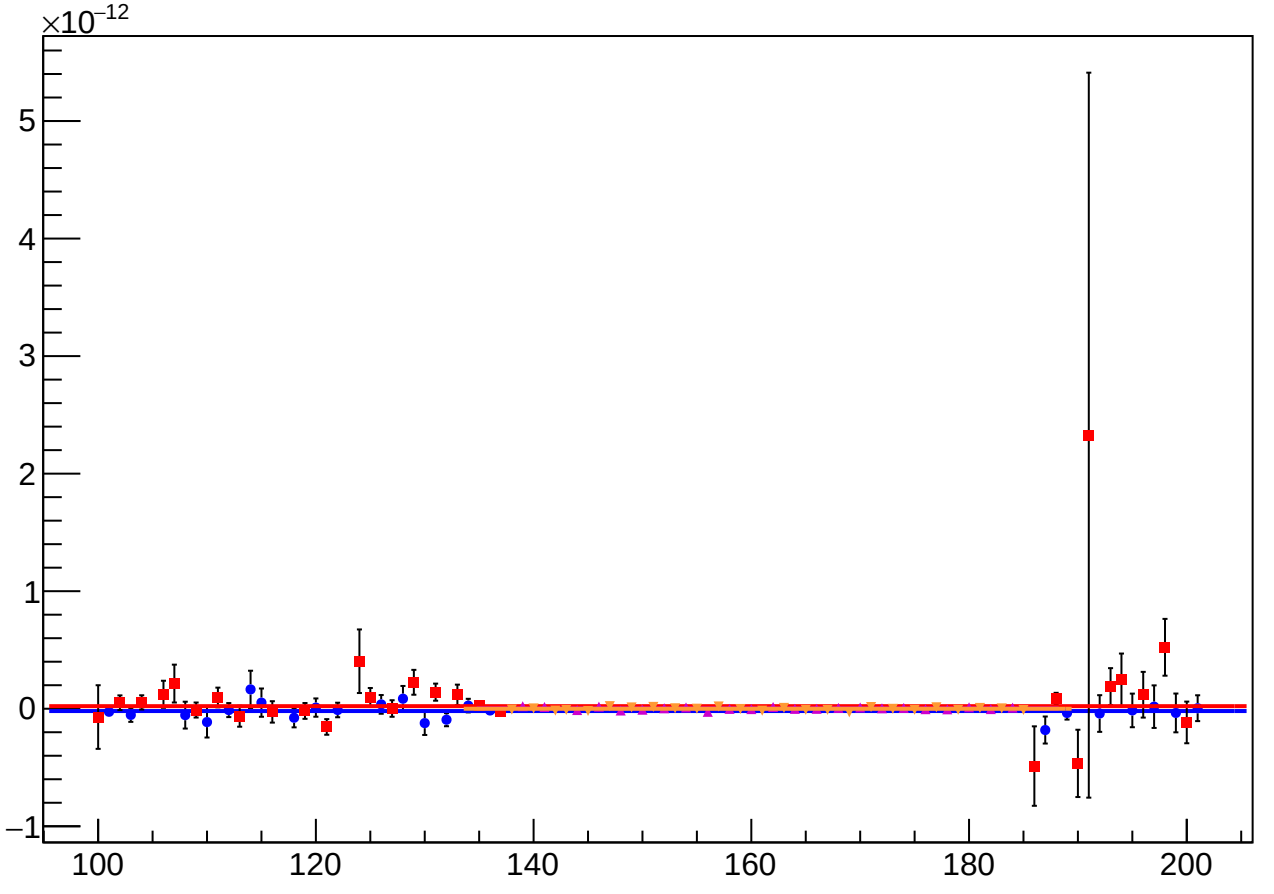
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 36.024+/-0.006 χ^2/NDF: 14456525.0/47

All: 36.031+/-0.004 χ^2/NDF: 30065005.7/98

- sign 36.039+/-0.006 χ^2/NDF: 15608477.3/50

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

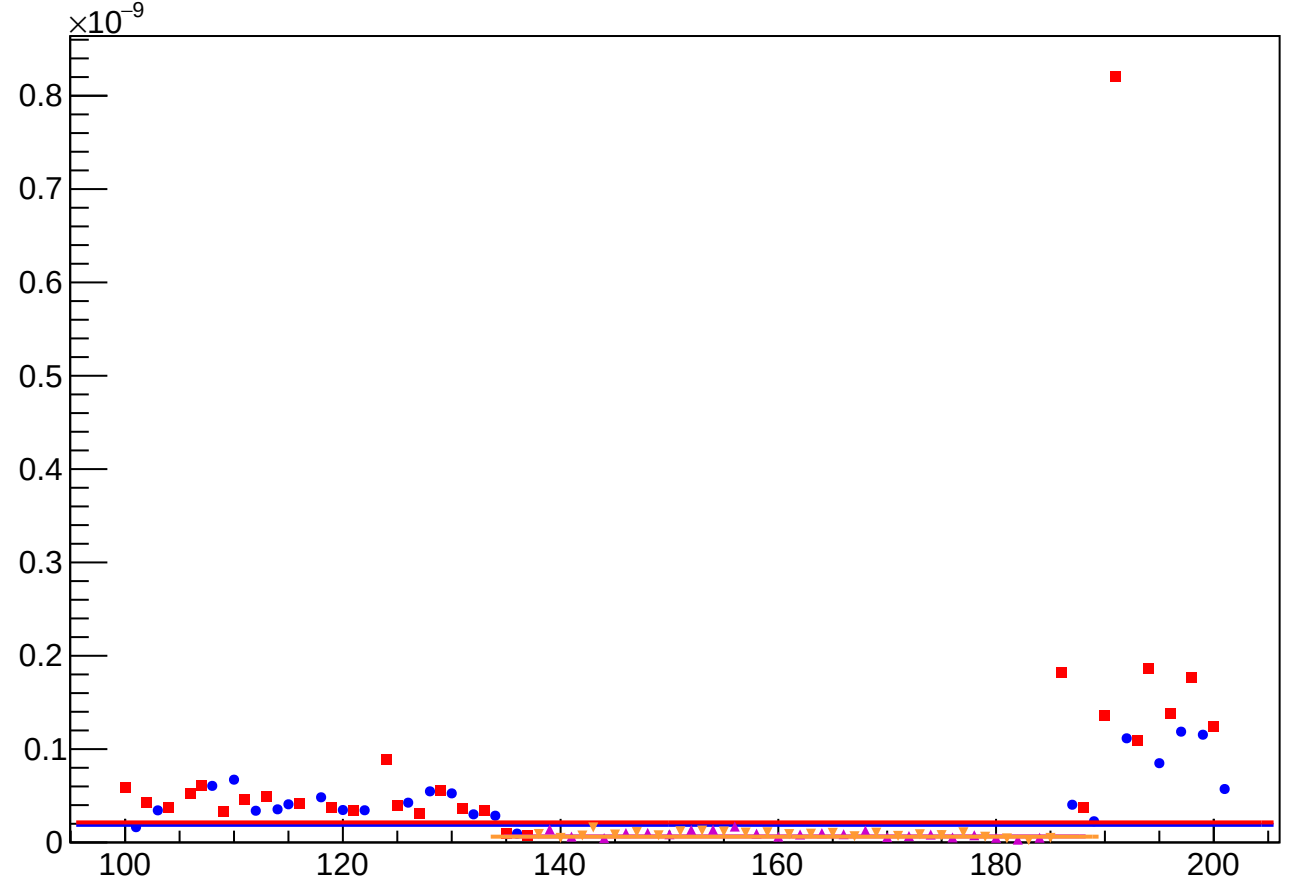
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/27

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: 107.6/98

- sign 0.000+/-0.000 χ^2/NDF: 65.2/50



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: 8875405.8/27

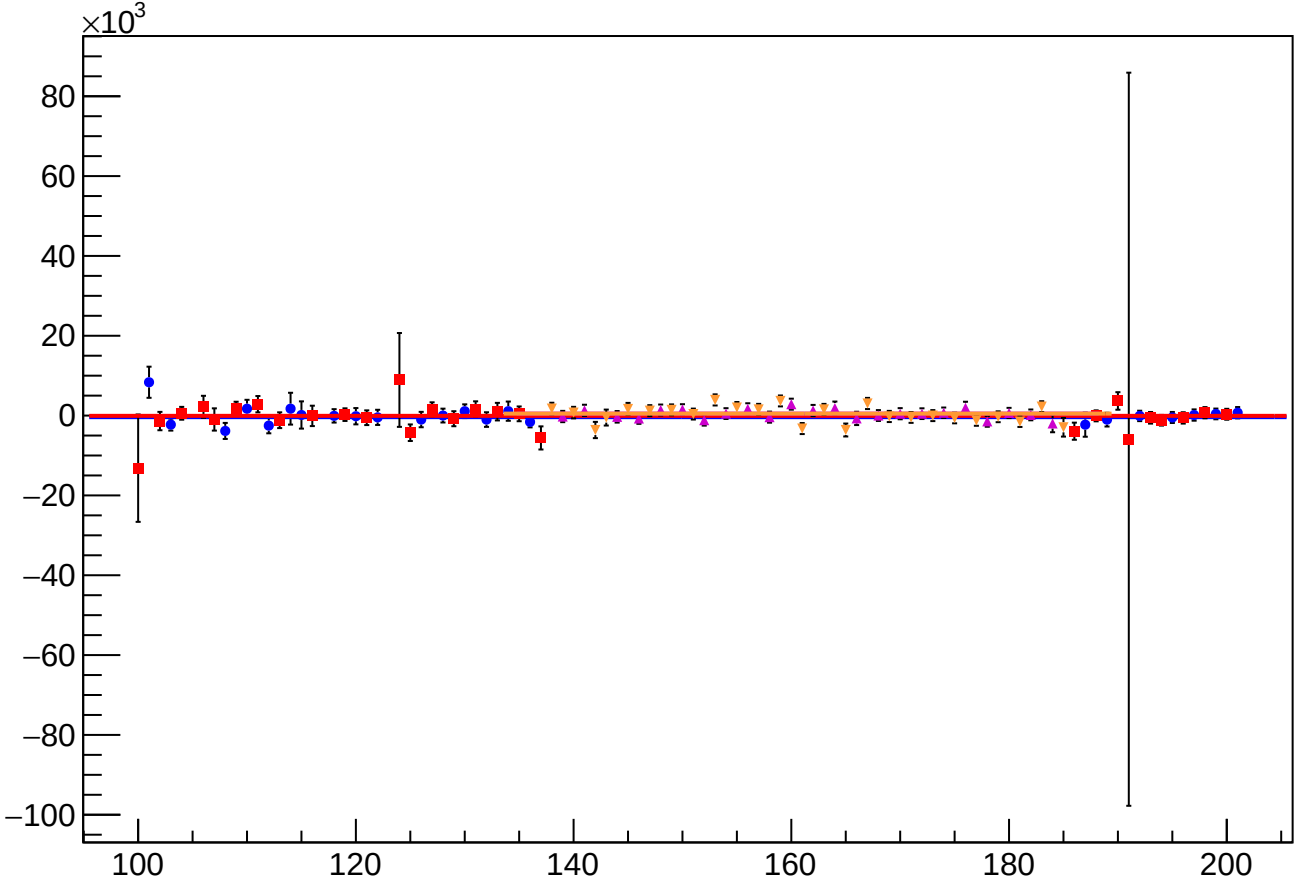
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14438689.6/47

All: 0.000+/-0.000 χ^2/NDF: 31121356.8/98

- sign 0.000+/-0.000 χ^2/NDF: 16657617.8/50

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: -65.376+/-359.817 χ^2/NDF: 23.4/27

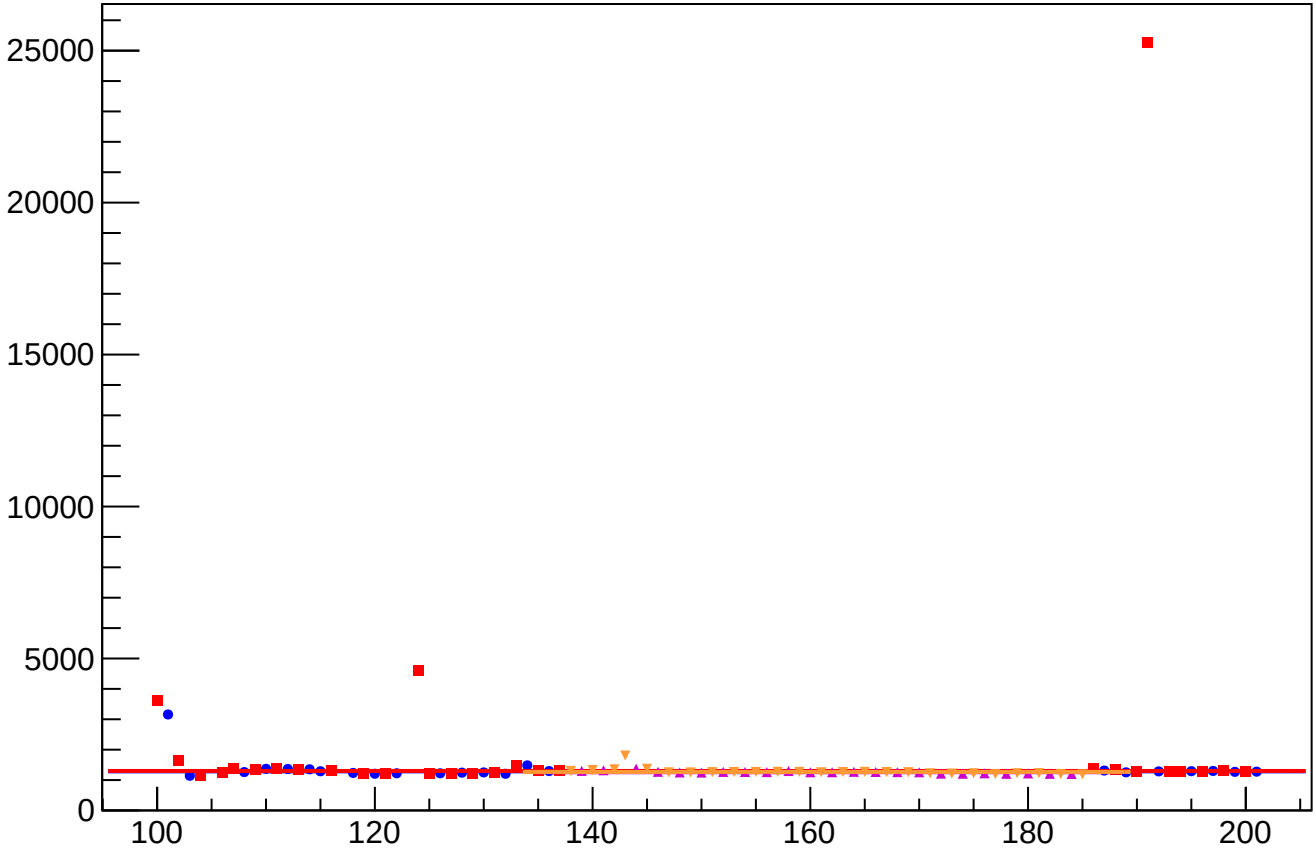
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 157.067+/-227.565 χ^2/NDF: 66.3/47

All: 211.515+/-160.911 χ^2/NDF: 105.6/98

- sign 265.961+/-227.559 χ^2/NDF: 39.2/50

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

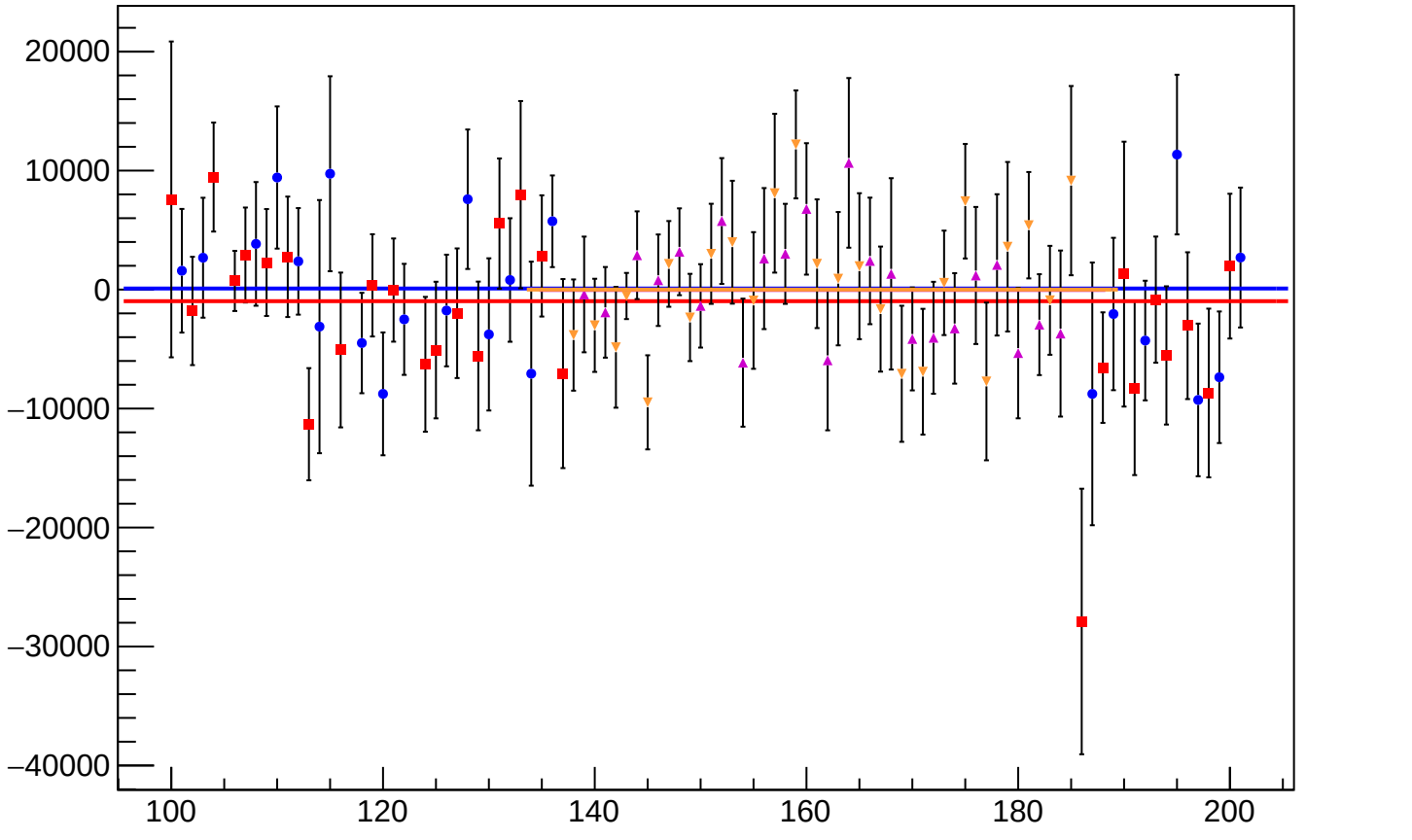
Right Out: 1299.123+/-0.254 χ^2/NDF: 466310.2/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707228.5/47

All: 1274.283+/-0.114 χ^2/NDF: 1226402.2/98

- sign 1274.207+/-0.161 χ^2/NDF: 519173.2/50



Right In: 89.768+/-1154.948 χ^2/NDF: 22.8/22

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

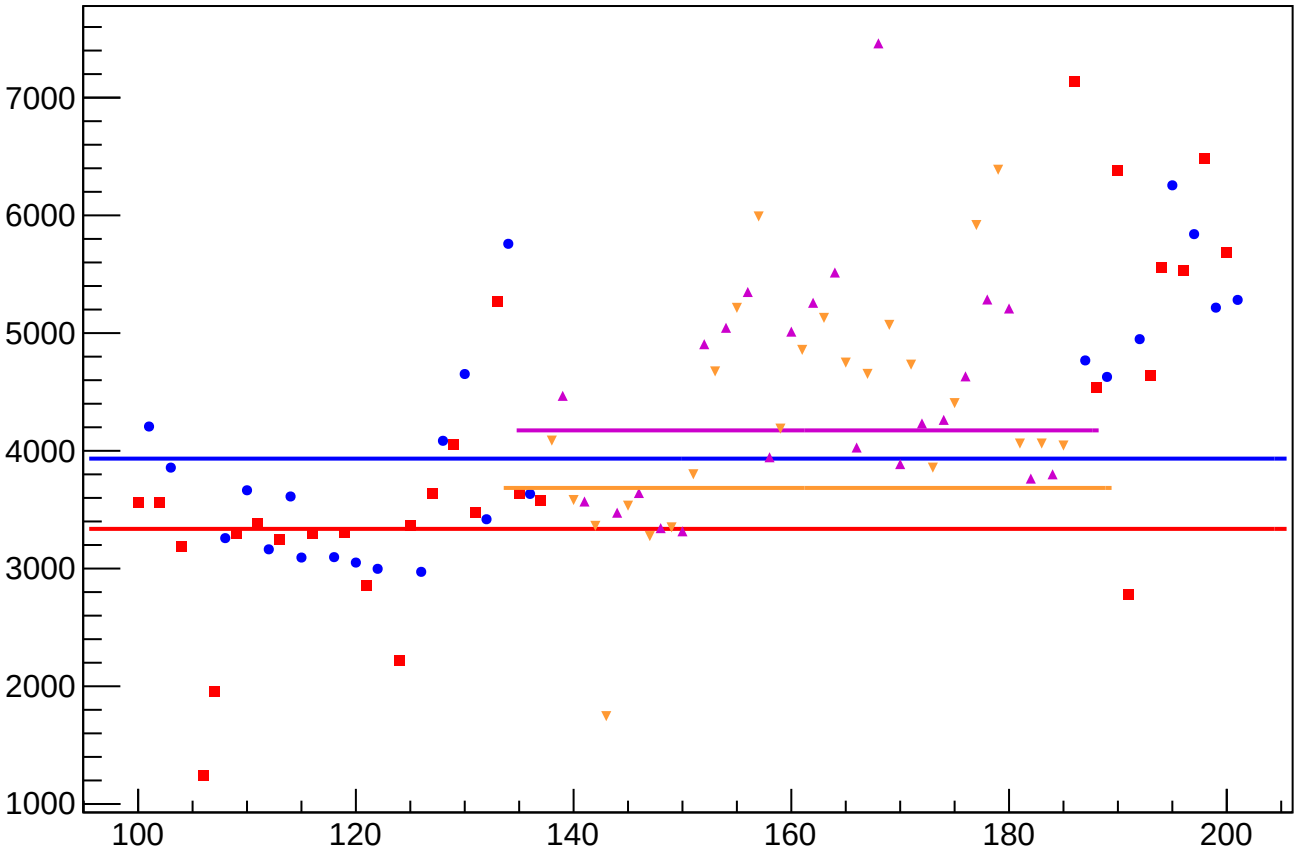
Right Out: -975.027+/-985.492 χ^2/NDF: 29.7/27

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 32.900+/-703.220 χ^2/NDF: 51.9/47

All: -238.675+/-496.218 χ^2/NDF: 96.4/98

- sign -508.004+/-700.307 χ^2/NDF: 44.2/50



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: 3336.965+/-0.697 χ^2/NDF: 3772243.5/27

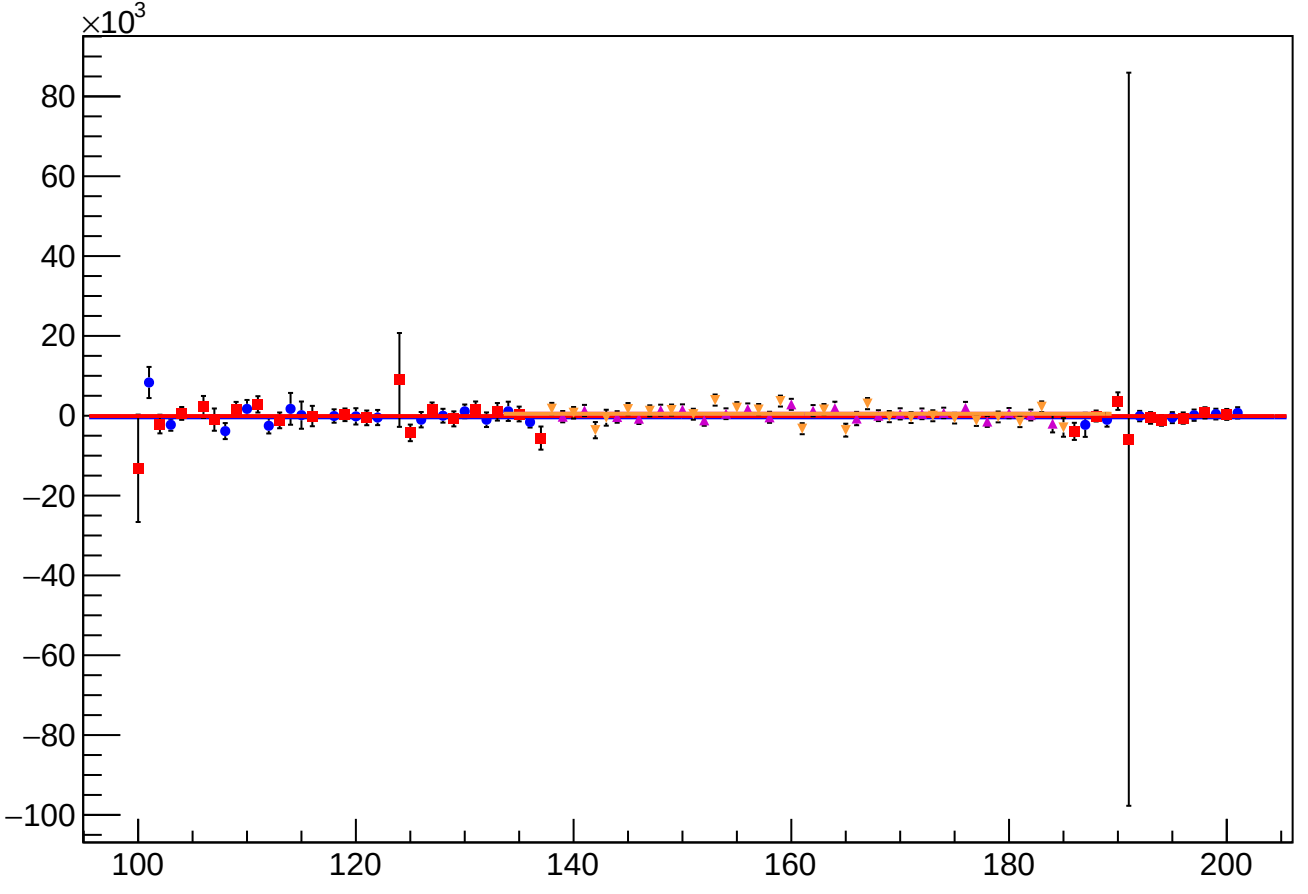
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3777.091+/-0.497 χ^2/NDF: 5058406.3/47

All: 3764.040+/-0.351 χ^2/NDF: 10820463.4/9

\- sign 3751.098+/-0.495 χ^2/NDF: 5760685.2/50

cor_asym_at1_avg_at2_avg_dd_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: -81.239+/-359.947 χ^2/NDF: 23.8/27

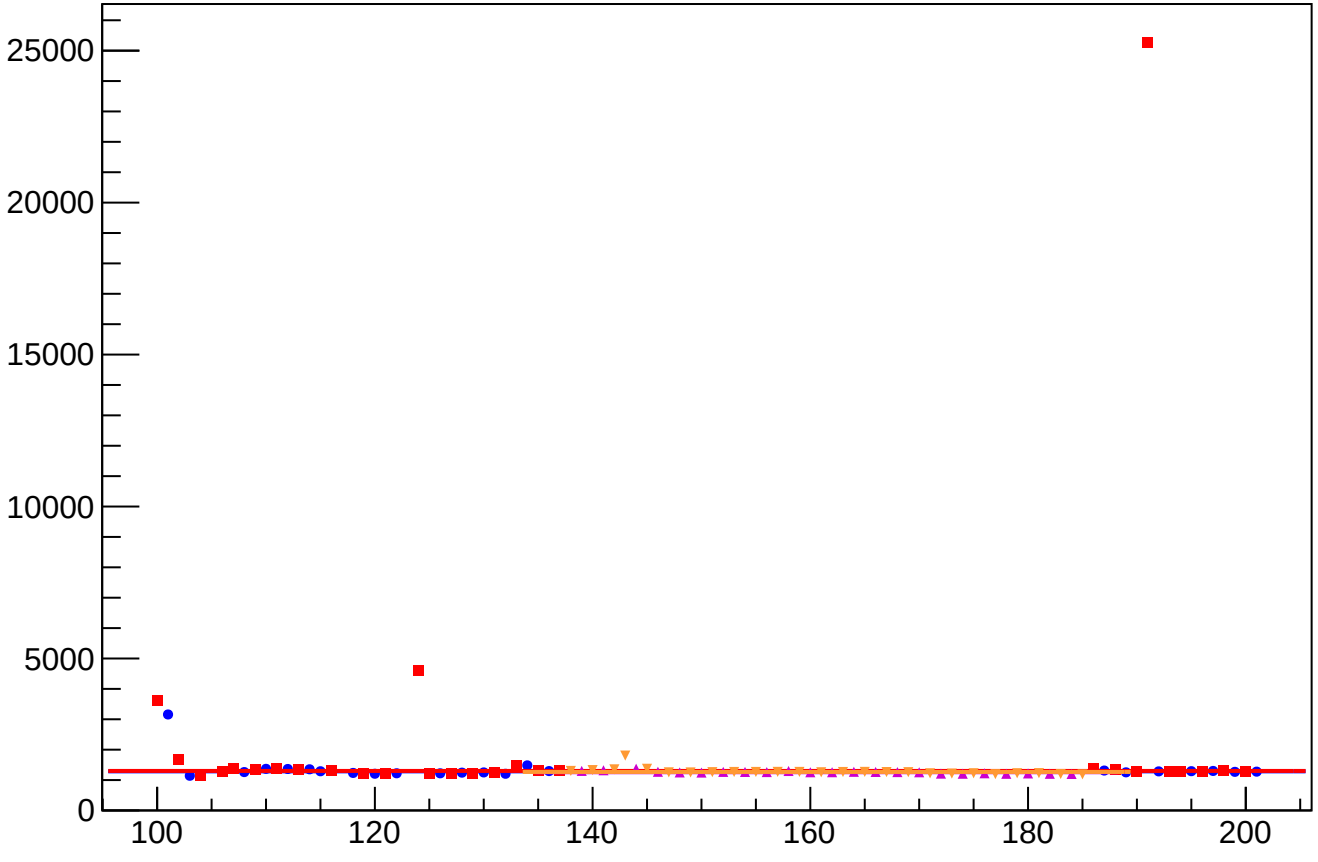
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 157.007+/-227.565 χ^2/NDF: 66.3/47

All: 208.325+/-160.922 χ^2/NDF: 106.1/98

- sign 259.654+/-227.592 χ^2/NDF: 39.7/50

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

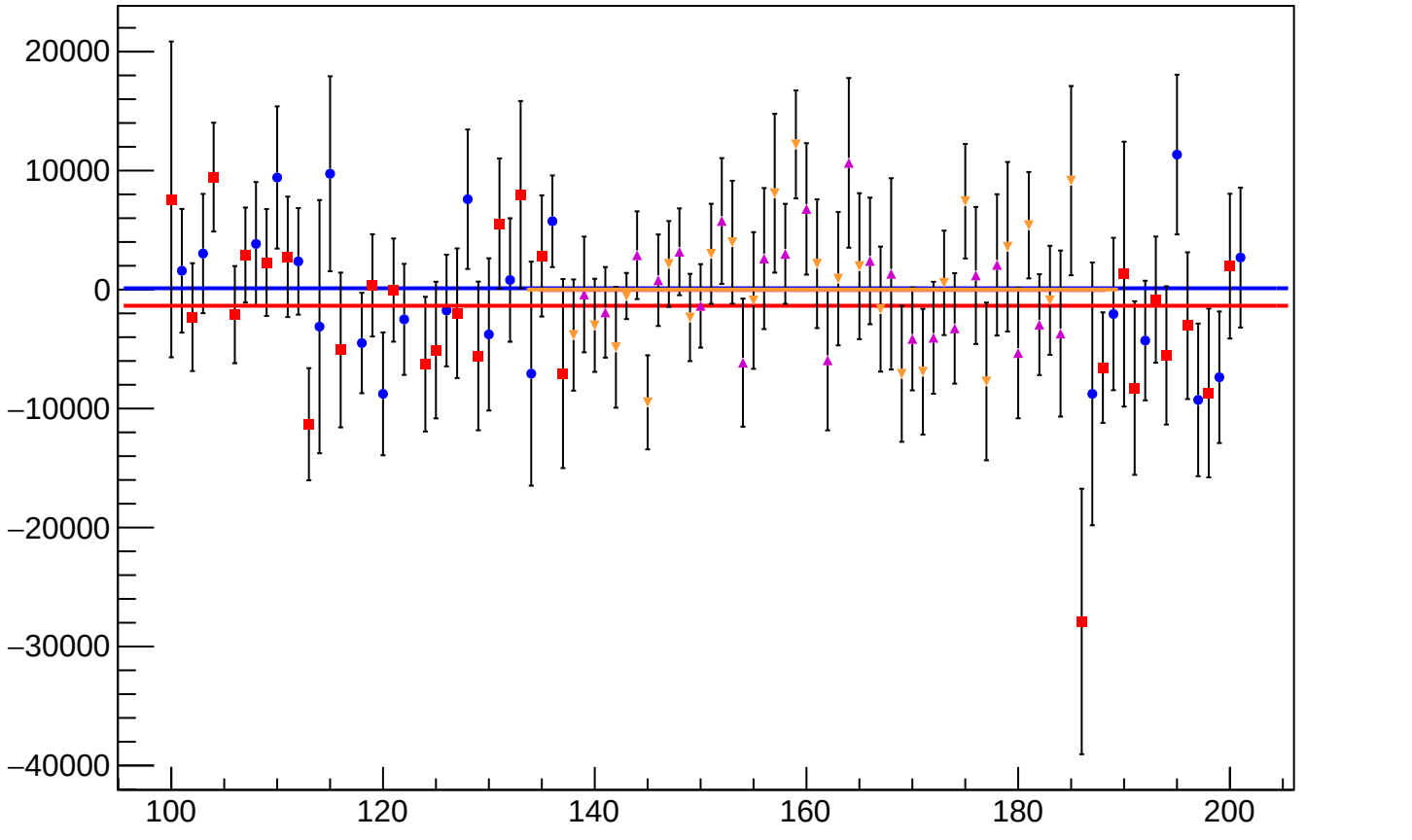
Right Out: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707229.9/47

All: 1274.497+/-0.114 χ^2/NDF: 1233786.3/98

- sign 1274.634+/-0.161 χ^2/NDF: 526554.9/50



Right In: 109.730+/-1154.647 χ^2/NDF: 22.9/22

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

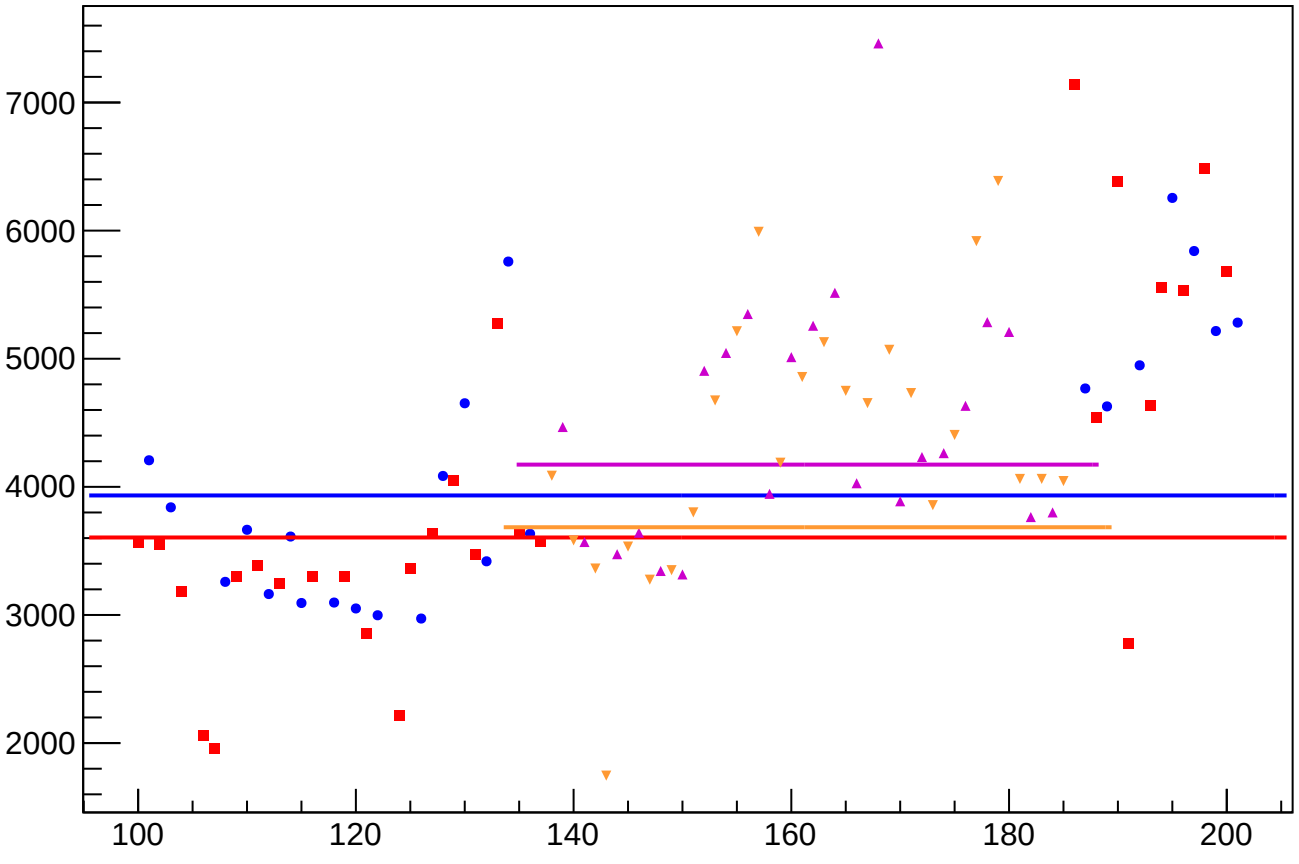
Right Out: -1358.984+/-1034.749 χ^2/NDF: 29.3/27

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 40.353+/-703.152 χ^2/NDF: 52.0/47

All: -307.501+/-502.145 χ^2/NDF: 96.7/98

- sign -669.537+/-717.342 χ^2/NDF: 44.2/50



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

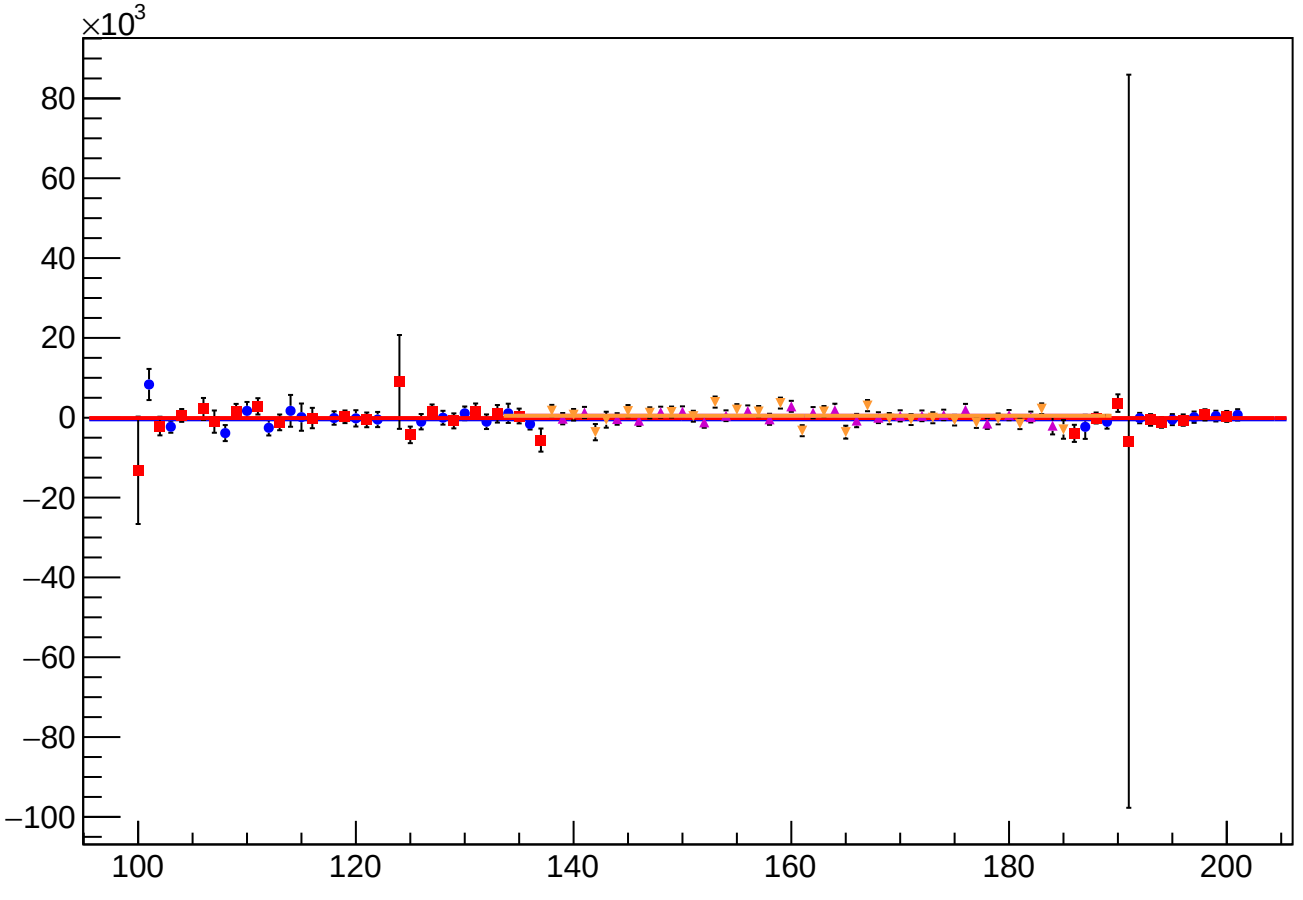
Right Out: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3776.777+/-0.497 χ^2/NDF: 5058325.1/47

All: 3837.268+/-0.355 χ^2/NDF: 9137917.0/98

- sign 3900.225+/-0.507 χ^2/NDF: 4049384.9/50



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: -81.239+/-359.947 χ^2/NDF: 23.8/27

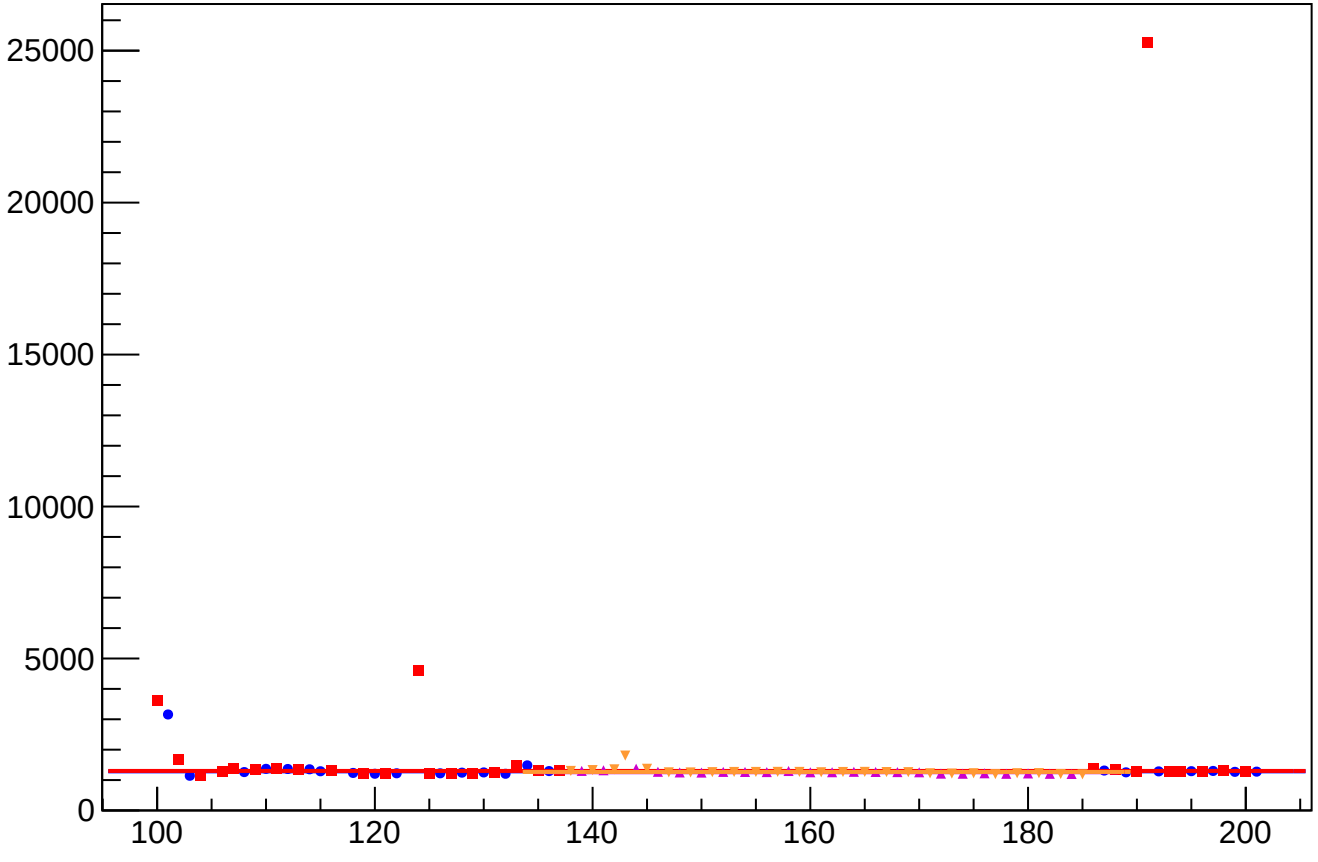
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 157.007+/-227.565 χ^2/NDF: 66.3/47

All: 208.325+/-160.922 χ^2/NDF: 106.1/98

- sign 259.654+/-227.592 χ^2/NDF: 39.7/50

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

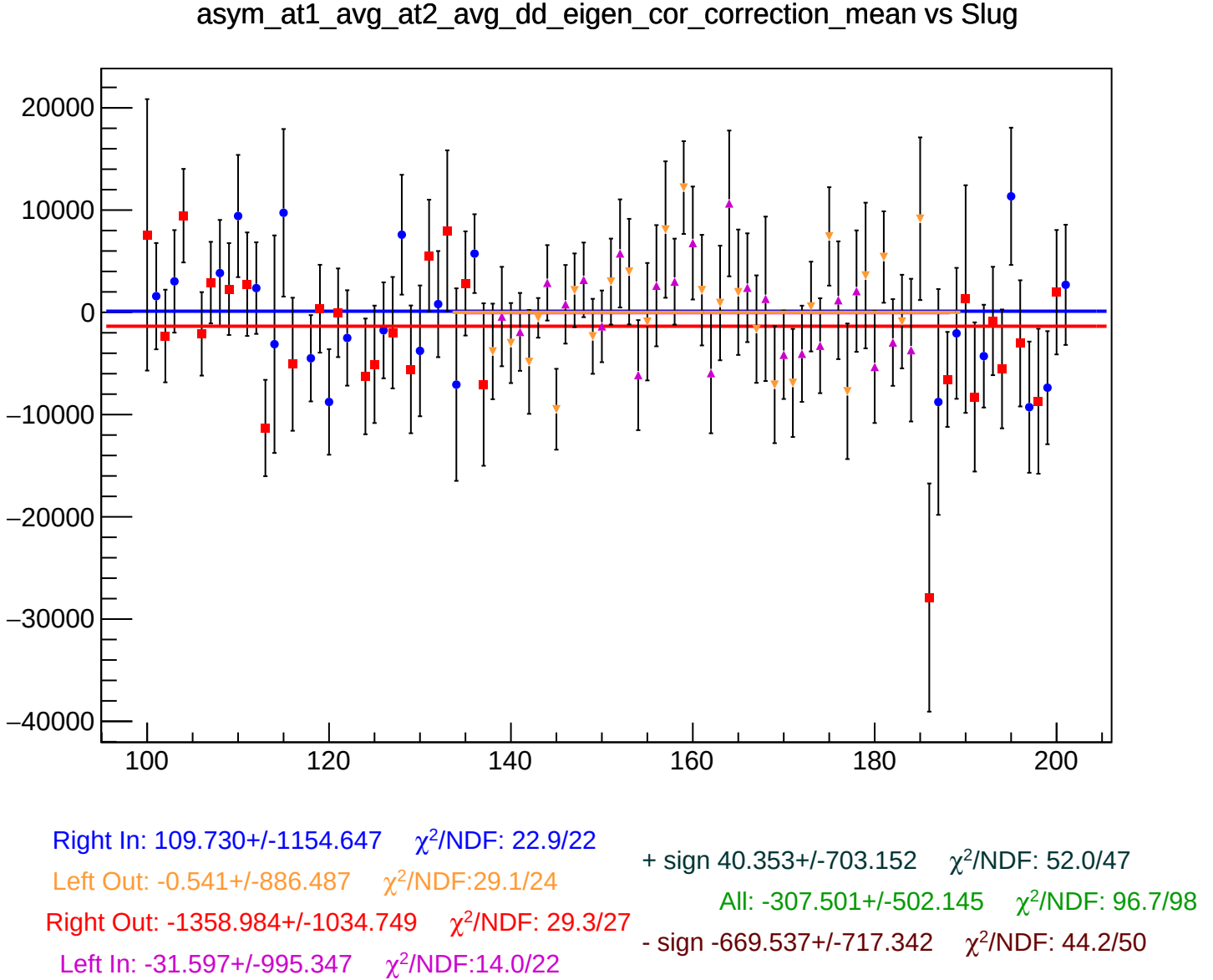
Right Out: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

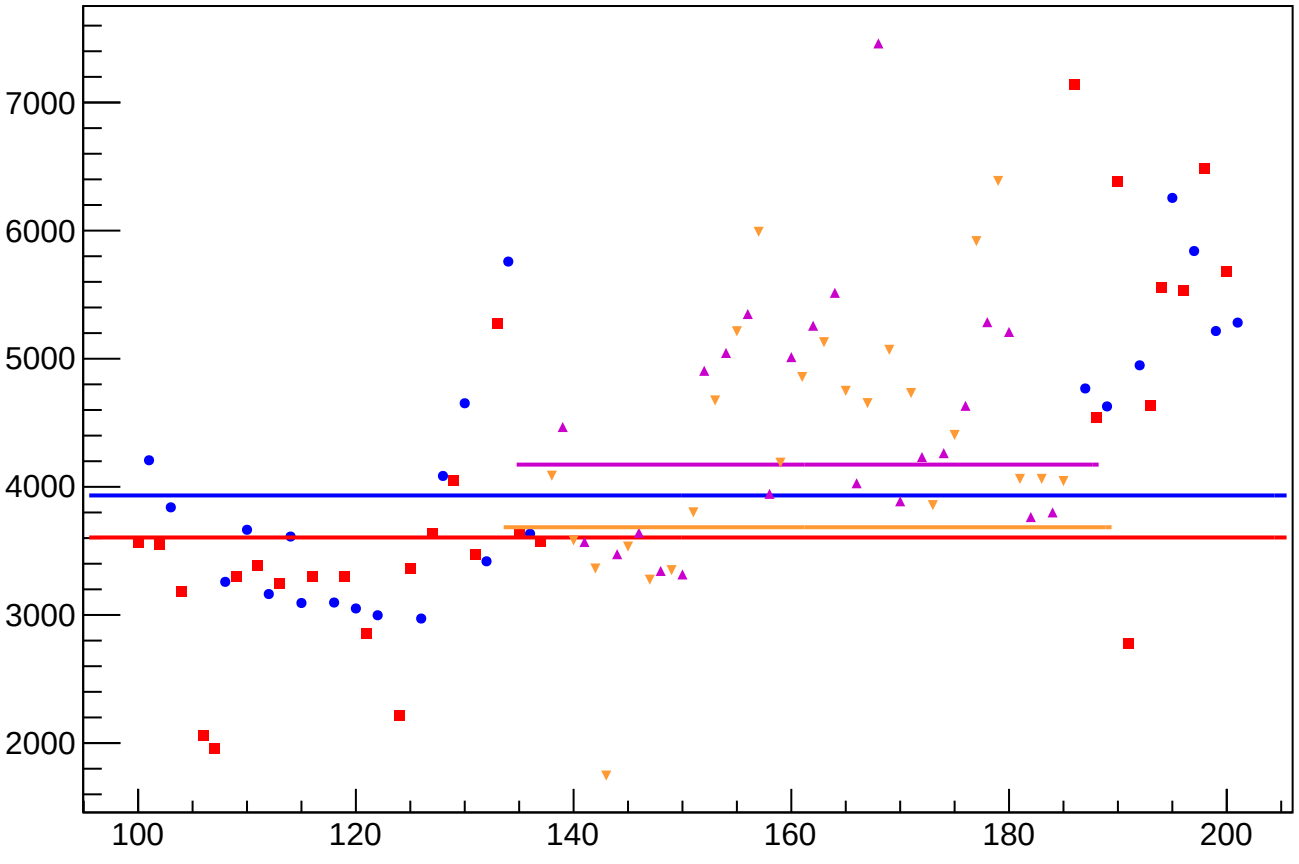
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707229.9/47

All: 1274.497+/-0.114 χ^2/NDF: 1233786.3/98

- sign 1274.634+/-0.161 χ^2/NDF: 526554.9/50


asym_at1_avg_at2_avg_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: -1358.984+/-1034.749 χ²/NDF: 29.3/27
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 40.353+/-703.152 χ²/NDF: 52.0/47
All: -307.501+/-502.145 χ²/NDF: 96.7/98
- sign -669.537+/-717.342 χ²/NDF: 44.2/50



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

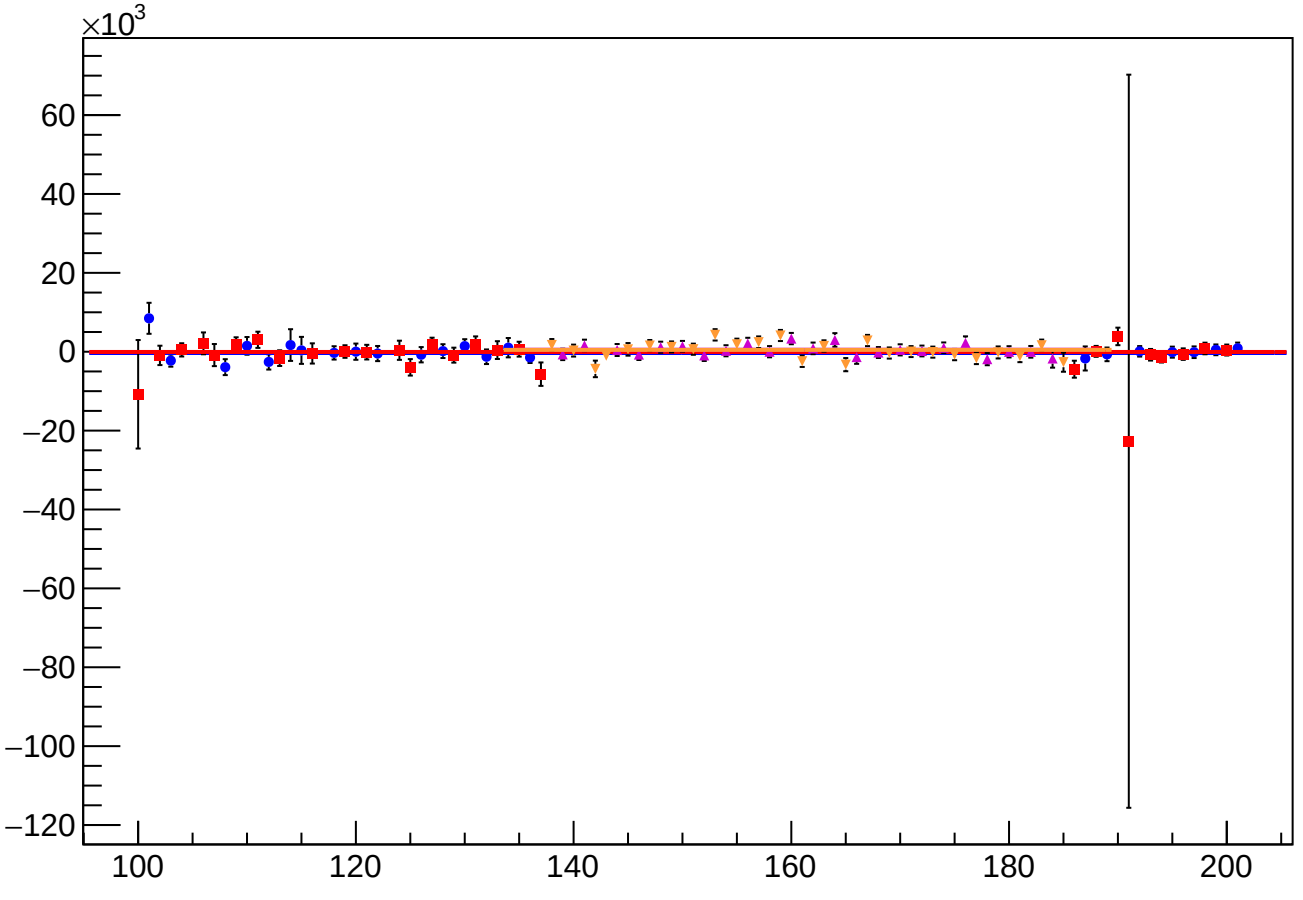
Right Out: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3776.777+/-0.497 χ^2/NDF: 5058325.1/47

All: 3837.268+/-0.355 χ^2/NDF: 9137917.0/98

- sign 3900.225+/-0.507 χ^2/NDF: 4049384.9/50



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: -57.926+/-361.960 χ^2/NDF: 24.1/27

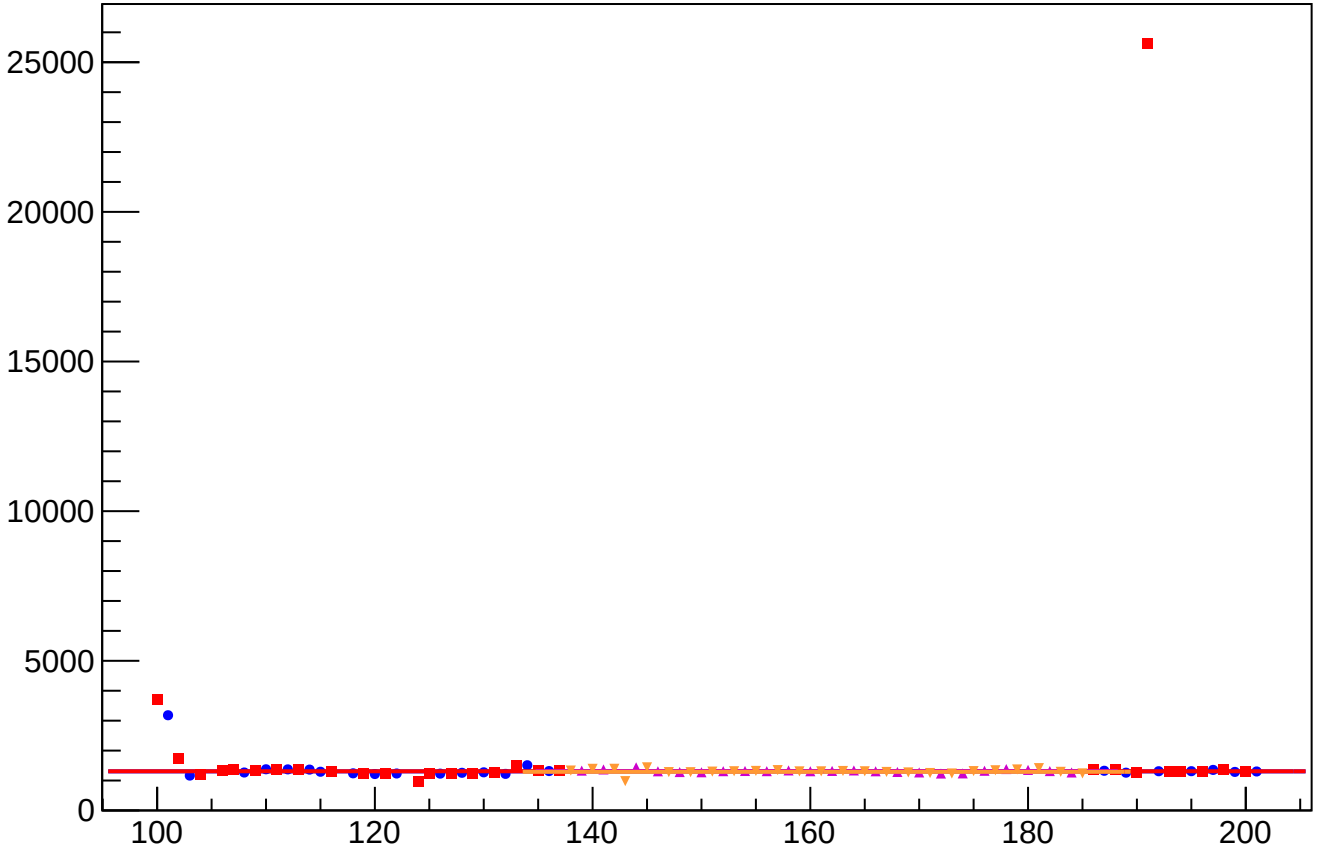
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 168.026+/-231.668 χ^2/NDF: 62.7/47

All: 217.770+/-164.685 χ^2/NDF: 105.7/98

- sign 268.588+/-234.152 χ^2/NDF: 42.9/50

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

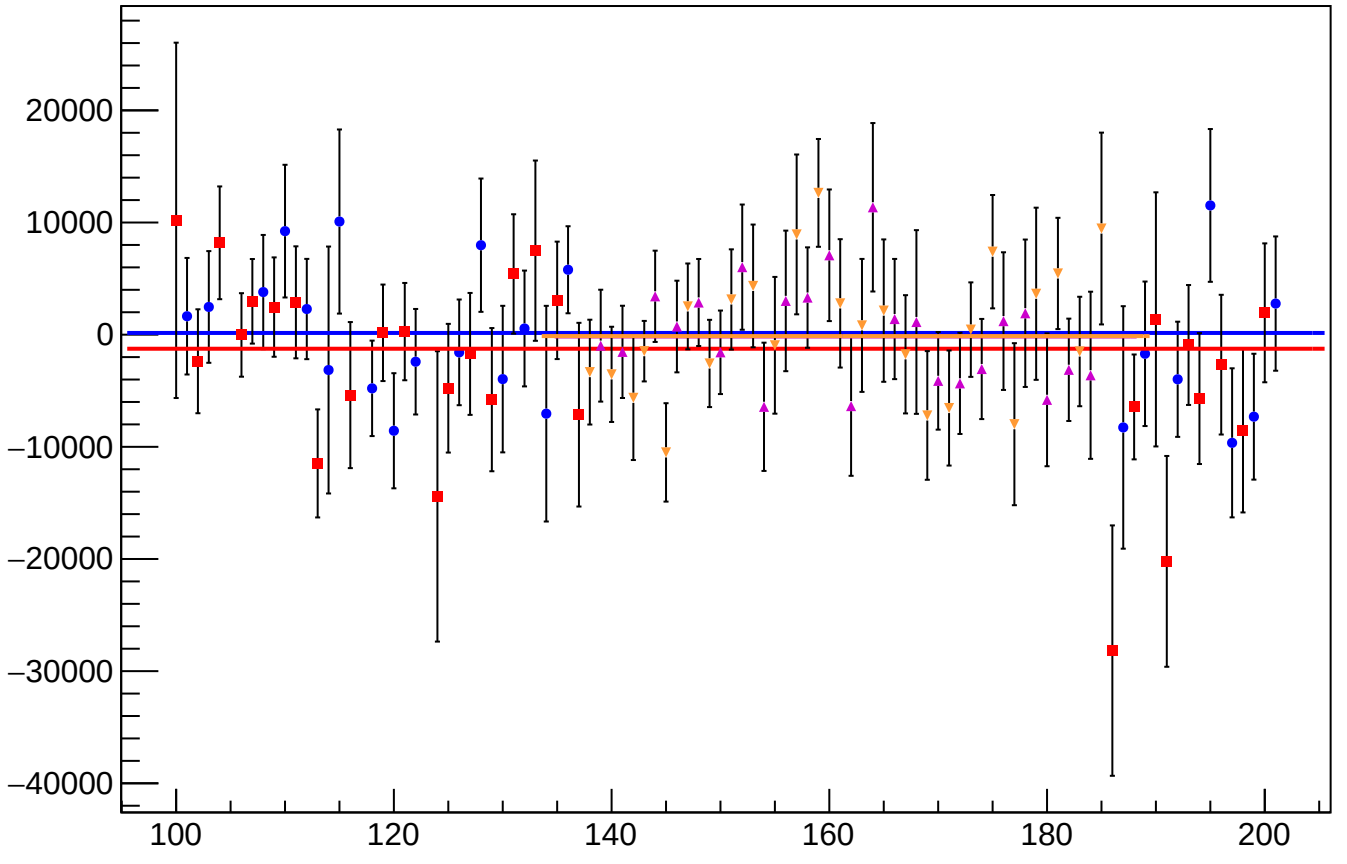
Right Out: 1309.511+/-0.256 χ^2/NDF: 363196.3/27

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.655+/-0.164 χ^2/NDF: 747148.7/47

All: 1304.308+/-0.116 χ^2/NDF: 1157980.8/98

- sign 1312.124+/-0.166 χ^2/NDF: 406420.4/50



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: -1253.721+/-1052.769 χ^2/NDF: 30.9/27

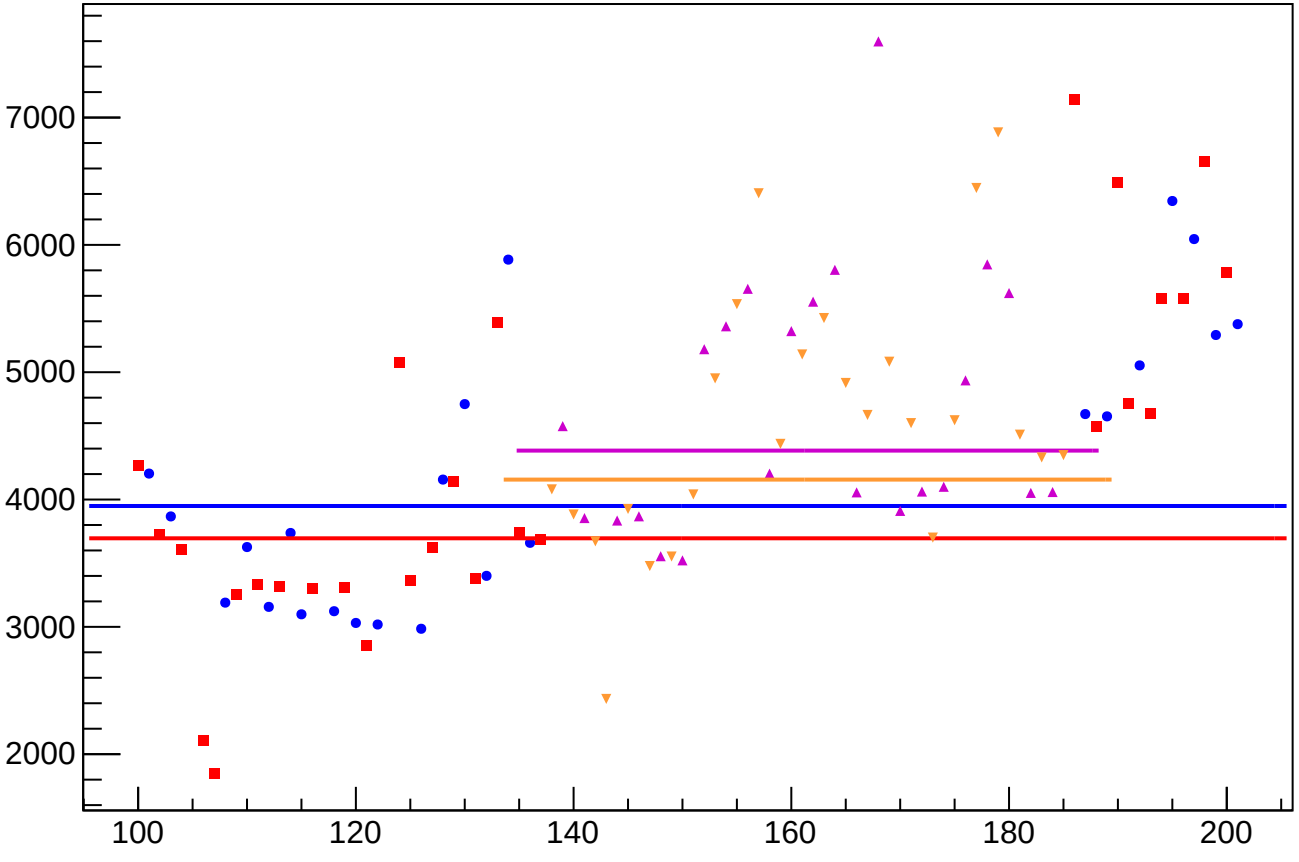
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -10.681+/-747.619 χ^2/NDF: 51.3/47

All: -359.426+/-526.592 χ^2/NDF: 97.0/98

- sign -702.801+/-741.840 χ^2/NDF: 45.3/50

asym_at1_avg_at2_avg_dd_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

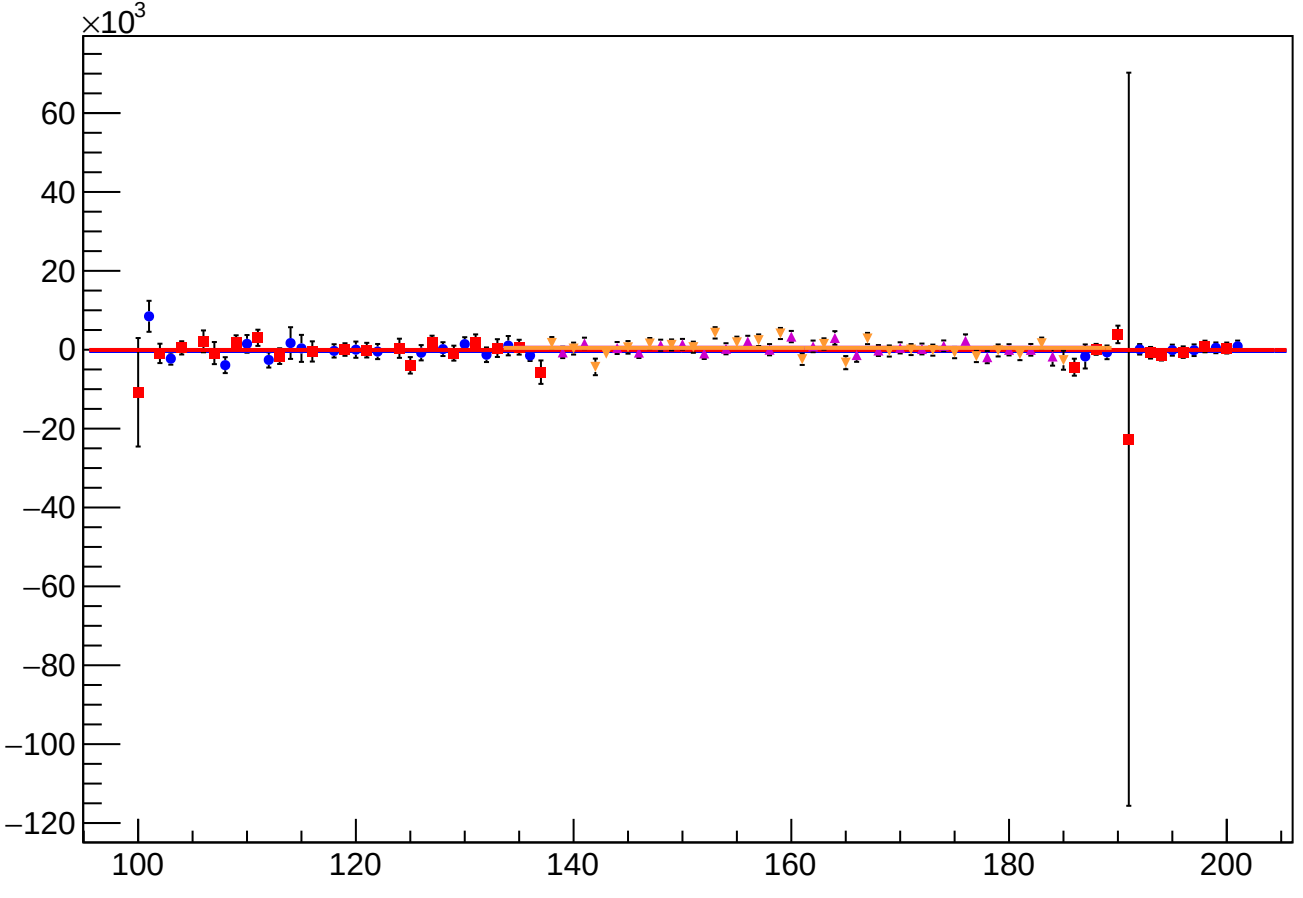
Right Out: 3695.492+/-0.744 χ^2/NDF: 2545738.6/27

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4070.608+/-0.529 χ^2/NDF: 3507511.8/47

All: 4056.339+/-0.372 χ^2/NDF: 7741242.2/98

- sign 4042.291+/-0.525 χ^2/NDF: 4232284.6/50



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: -57.922+/-361.960 χ^2/NDF: 24.1/27

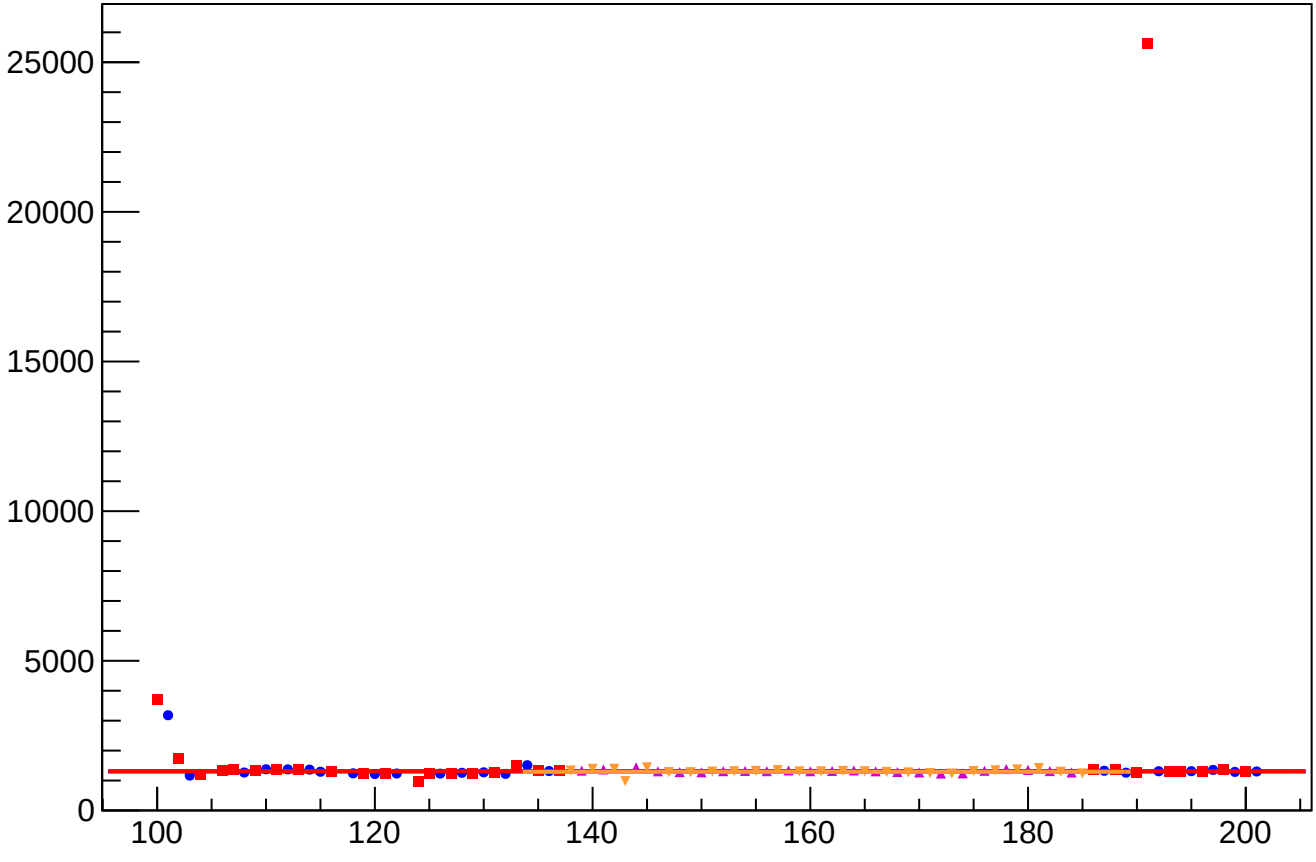
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 168.027+/-231.668 χ^2/NDF: 62.7/47

All: 217.772+/-164.685 χ^2/NDF: 105.7/98

- sign 268.589+/-234.153 χ^2/NDF: 42.9/50

eigen_dit_asym_at1_avg_at2_avg_dd_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

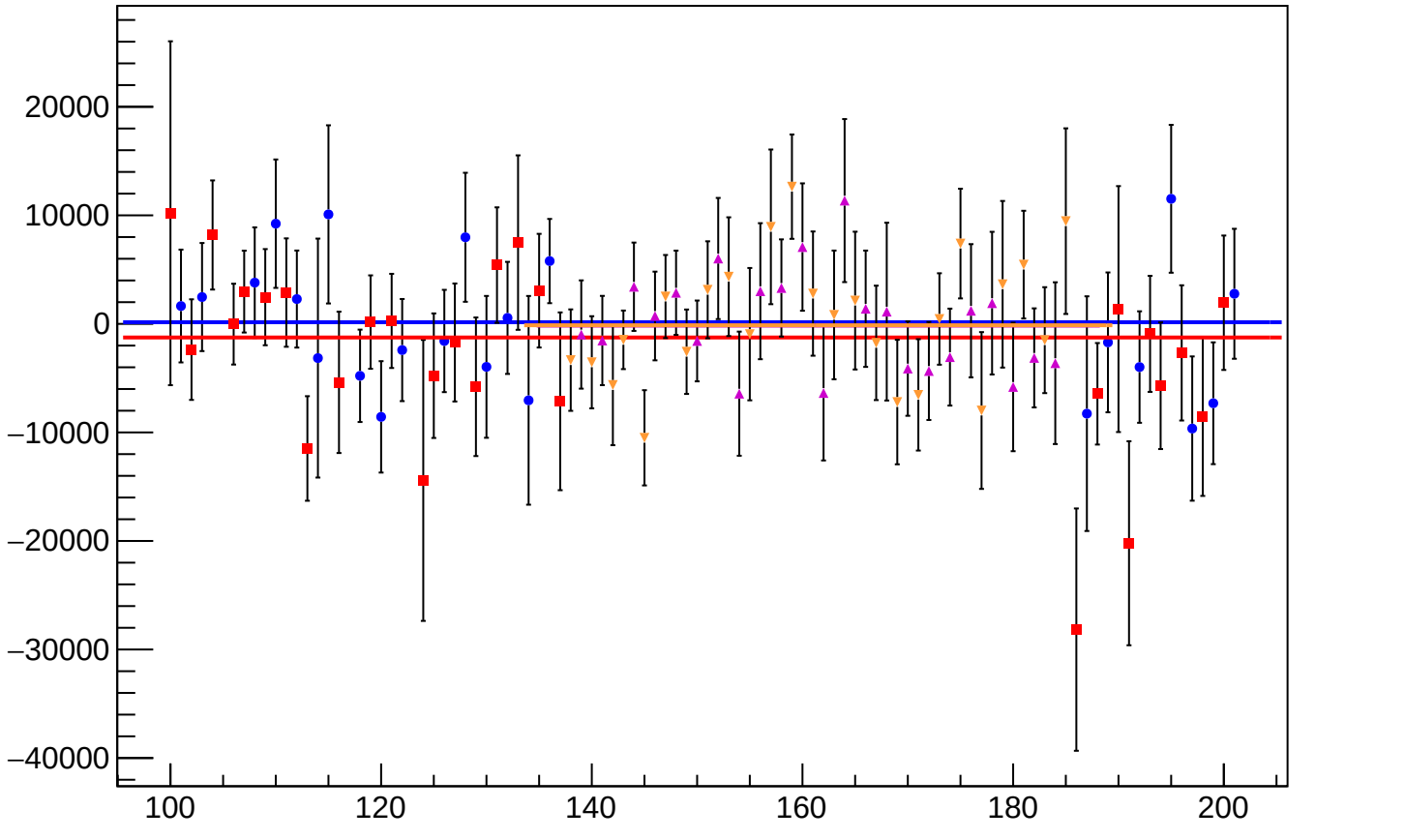
Right Out: 1309.511+/-0.256 χ^2/NDF: 363196.7/27

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.656+/-0.164 χ^2/NDF: 747151.1/47

All: 1304.309+/-0.116 χ^2/NDF: 1157985.7/98

- sign 1312.125+/-0.166 χ^2/NDF: 406423.0/50



Right In: 153.858+/-1160.926 χ^2/NDF: 22.7/22

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

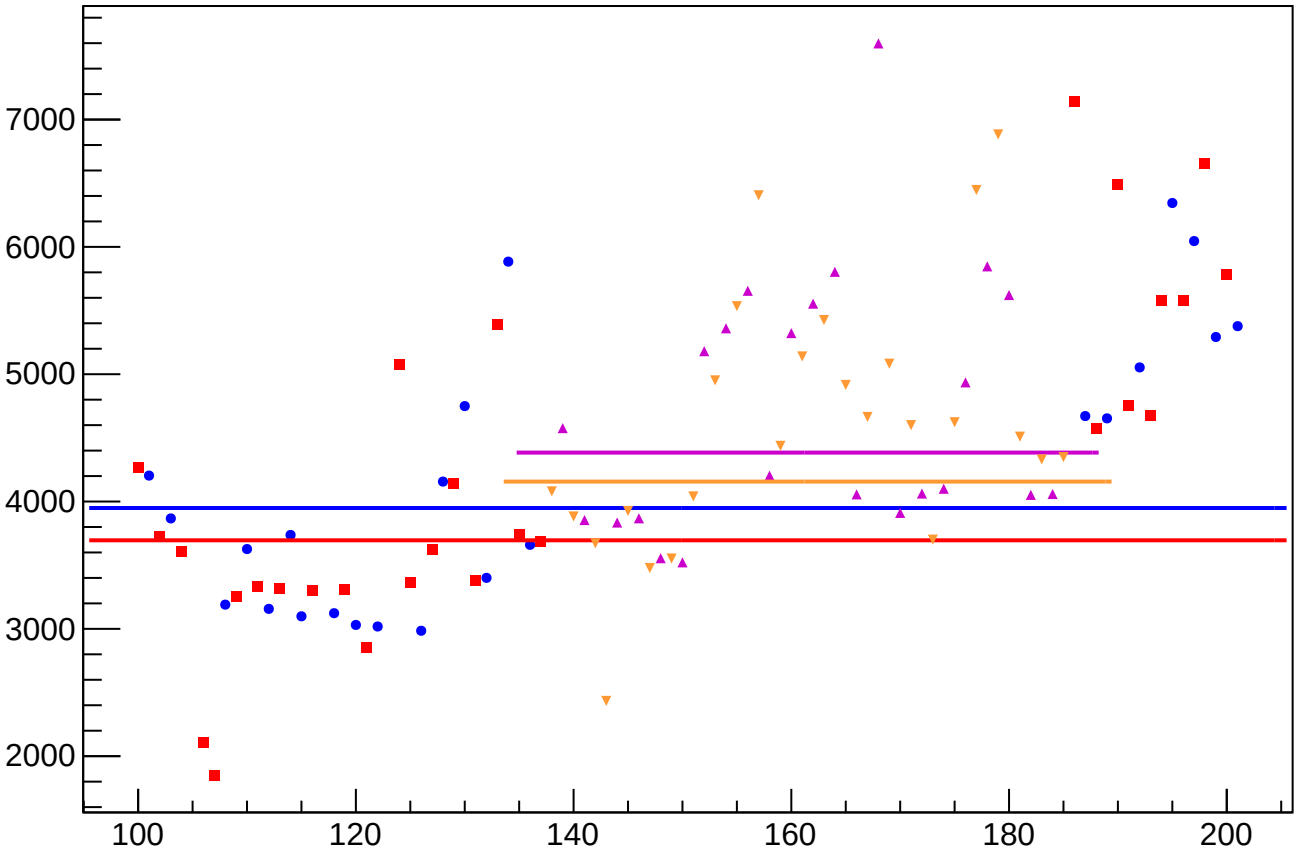
Right Out: -1253.713+/-1052.768 χ^2/NDF: 30.9/27

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -10.682+/-747.619 χ^2/NDF: 51.3/47

All: -359.426+/-526.592 χ^2/NDF: 97.0/98

- sign -702.799+/-741.840 χ^2/NDF: 45.3/50



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: 3695.485+/-0.744 χ^2/NDF: 2545757.0/27

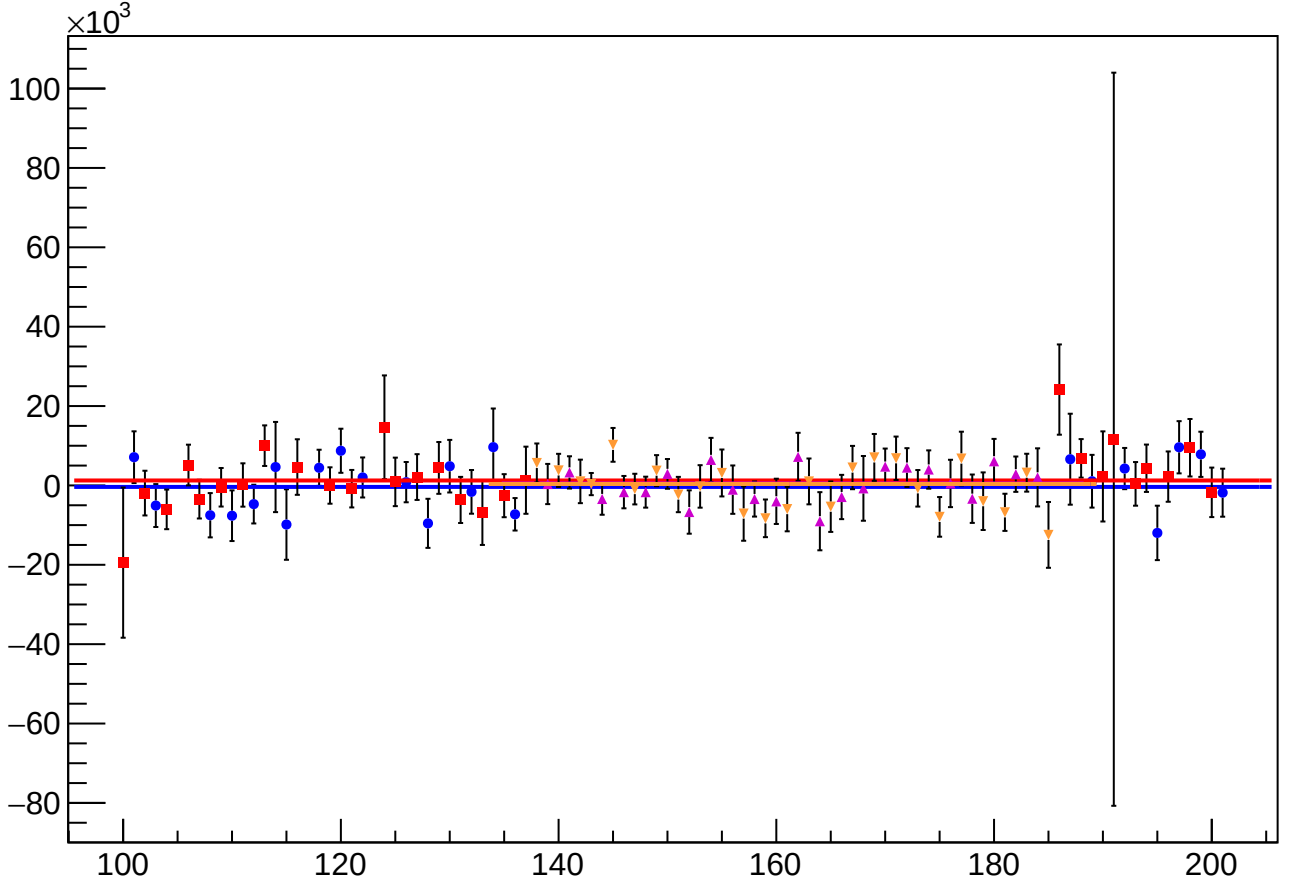
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4070.608+/-0.529 χ^2/NDF: 3507540.2/47

All: 4056.339+/-0.372 χ^2/NDF: 7741310.9/98

- sign 4042.289+/-0.525 χ^2/NDF: 4232324.8/50

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: 1246.727+/-1155.430 χ^2/NDF: 19.5/27

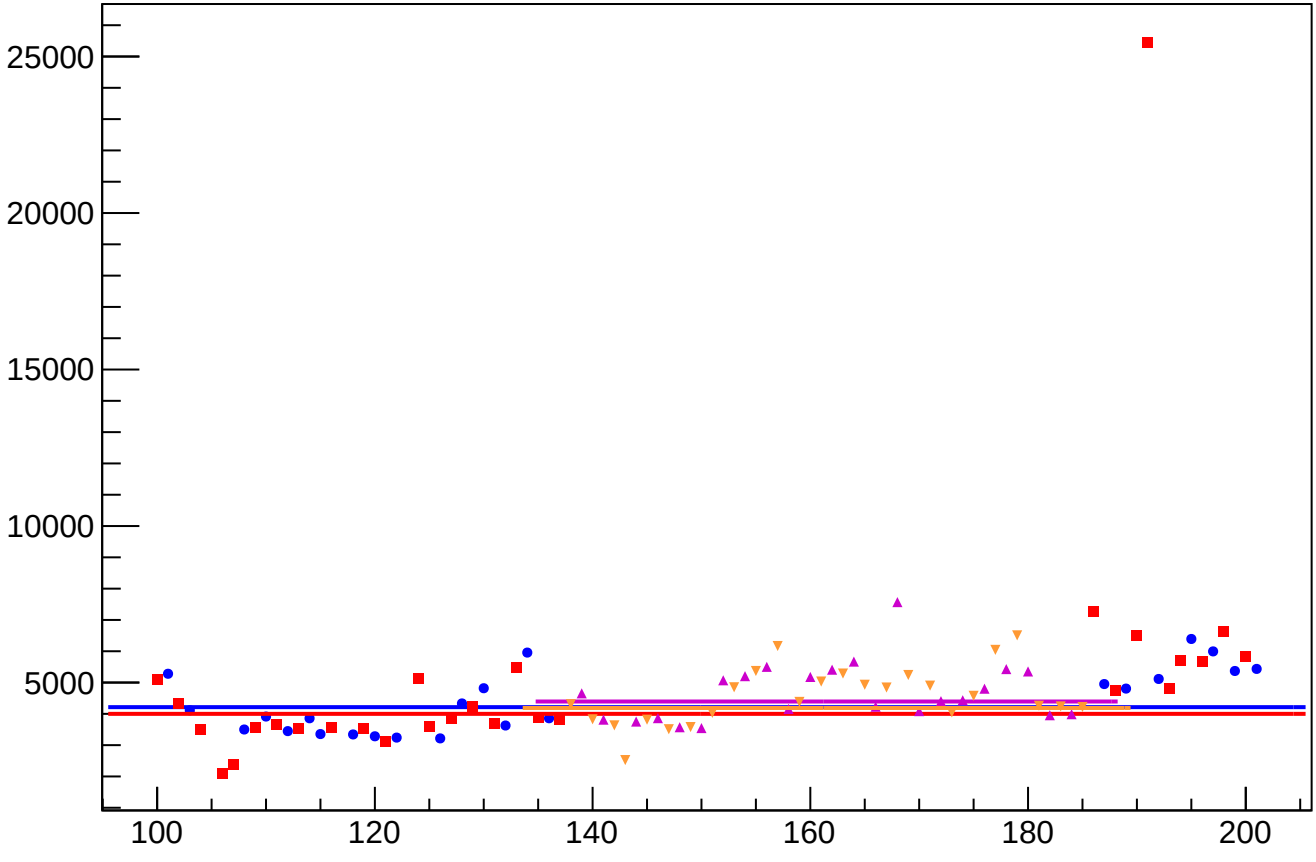
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 76.436+/-767.113 χ^2/NDF: 54.4/47

All: 451.641+/-545.168 χ^2/NDF: 88.5/98

- sign 834.516+/-774.915 χ^2/NDF: 33.6/50

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

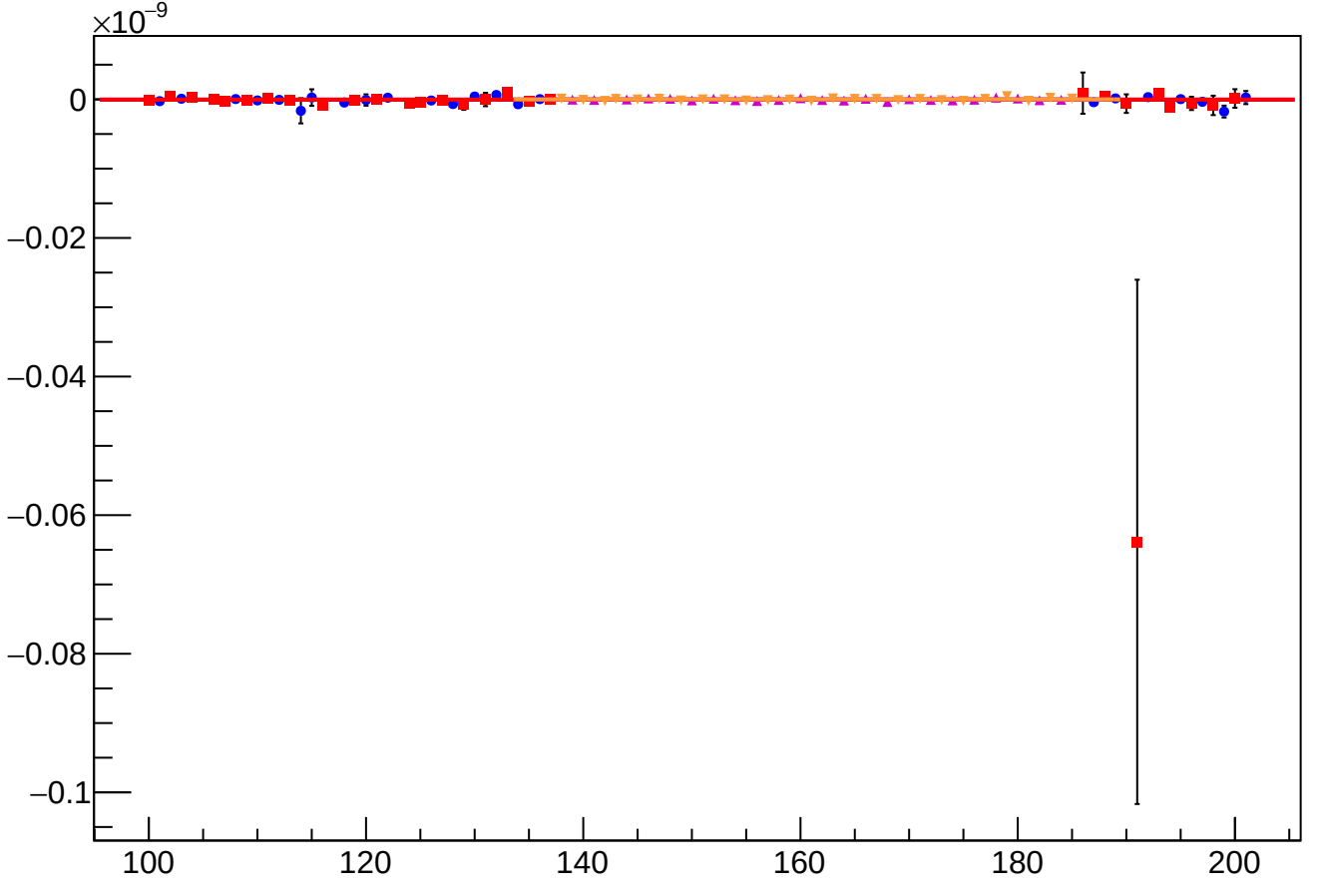
Right Out: 3999.814+/-0.809 χ^2/NDF: 2092827.0/27

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4197.991+/-0.542 χ^2/NDF: 2955675.7/47

All: 4206.379+/-0.385 χ^2/NDF: 6267119.9/98

- sign 4214.859+/-0.545 χ^2/NDF: 3310963.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

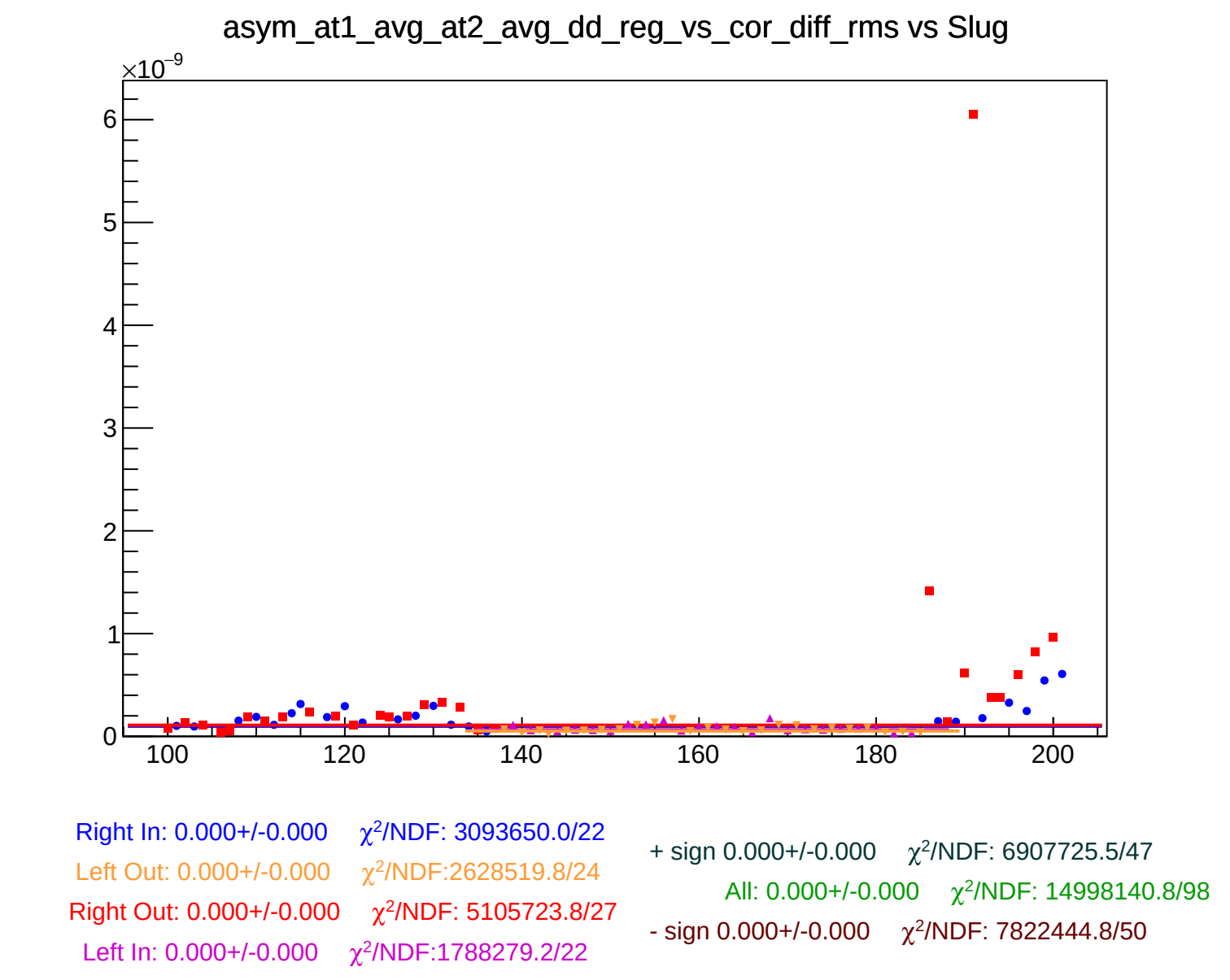
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/27

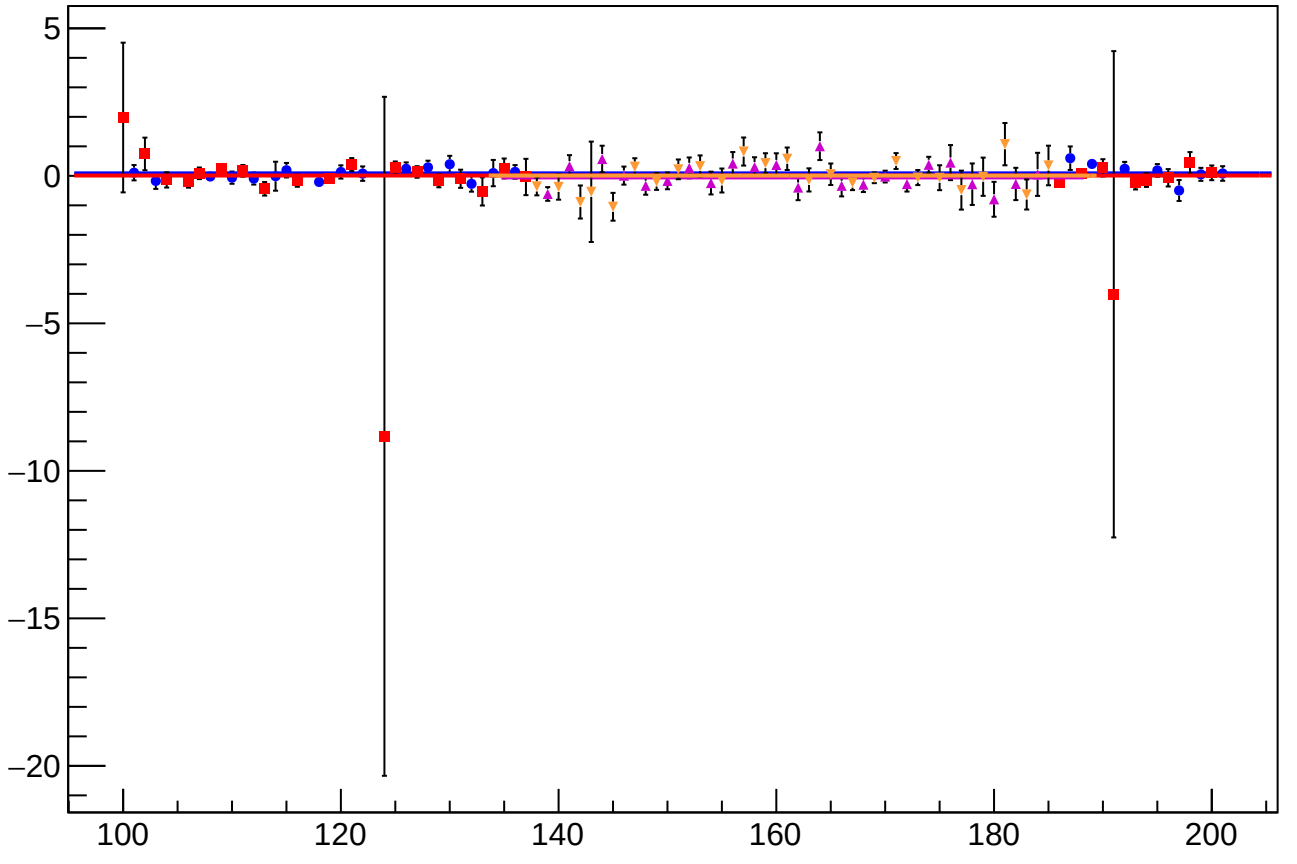
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.4/47

All: -0.000+/-0.000 χ^2/NDF: 97.2/98

- sign -0.000+/-0.000 χ^2/NDF: 43.5/50


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: 5105723.8/27
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: 14998140.8/98
- sign 0.000+/-0.000 χ²/NDF: 7822444.8/50



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

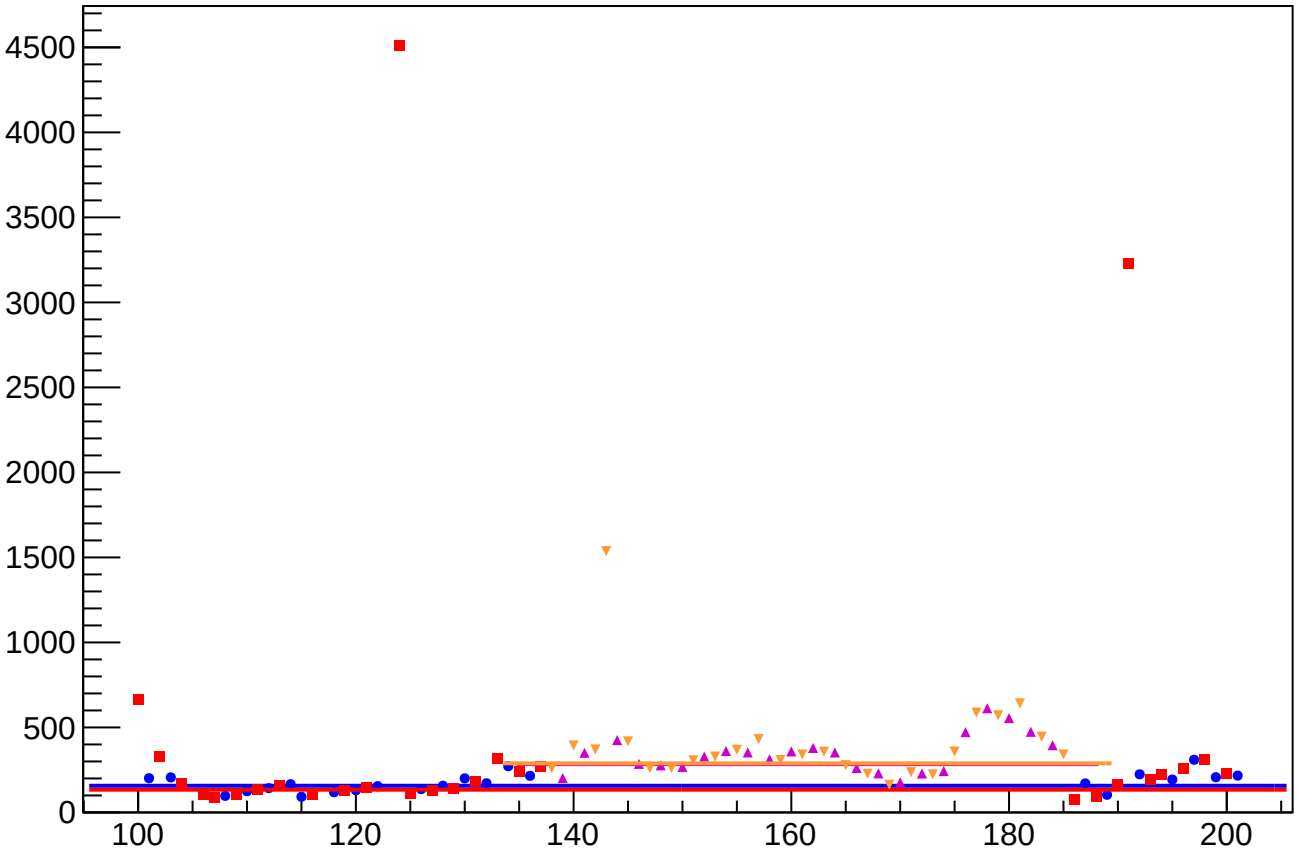
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.024+/-0.027 χ^2/NDF: 108.5/98

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 156.943+/-0.034 χ^2/NDF: 2124556.3/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

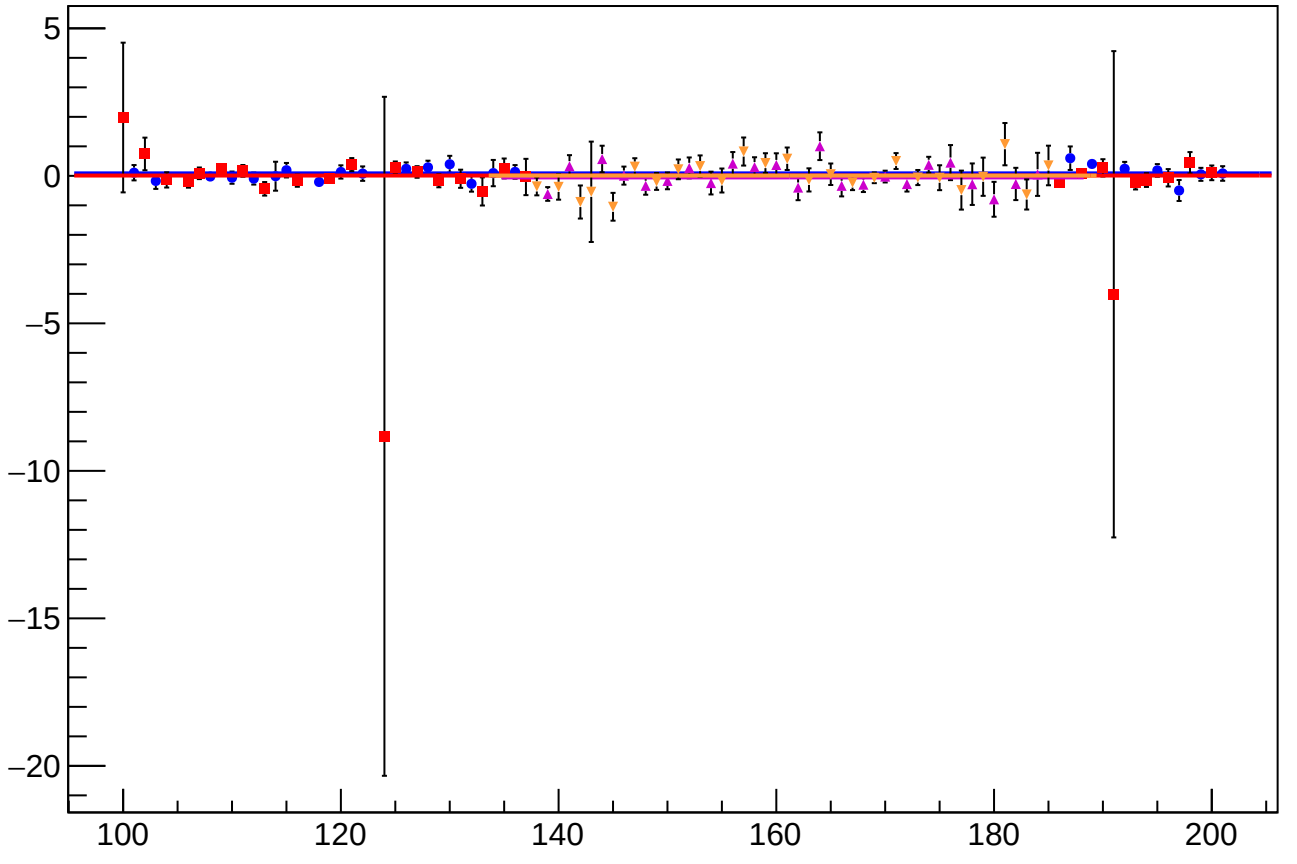
Right Out: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.268+/-0.028 χ^2/NDF: 11517156.9/47

All: 184.017+/-0.019 χ^2/NDF: 26100436.7/98

- sign 172.519+/-0.025 χ^2/NDF: 14118584.0/50



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: 0.011+/-0.041 χ^2/NDF: 29.1/27

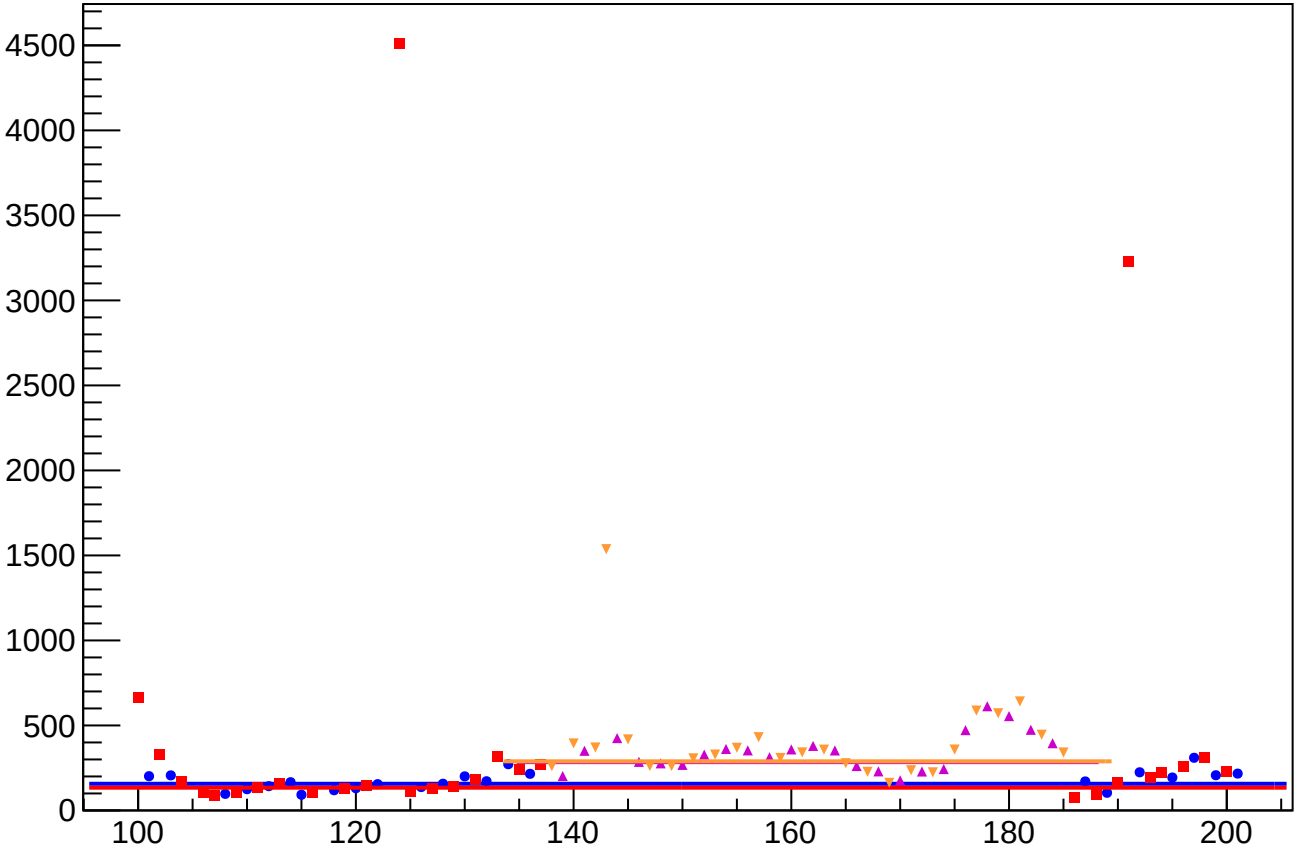
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.024+/-0.027 χ^2/NDF: 108.5/98

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50

asym_at1_avg_at2_avg_dd_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

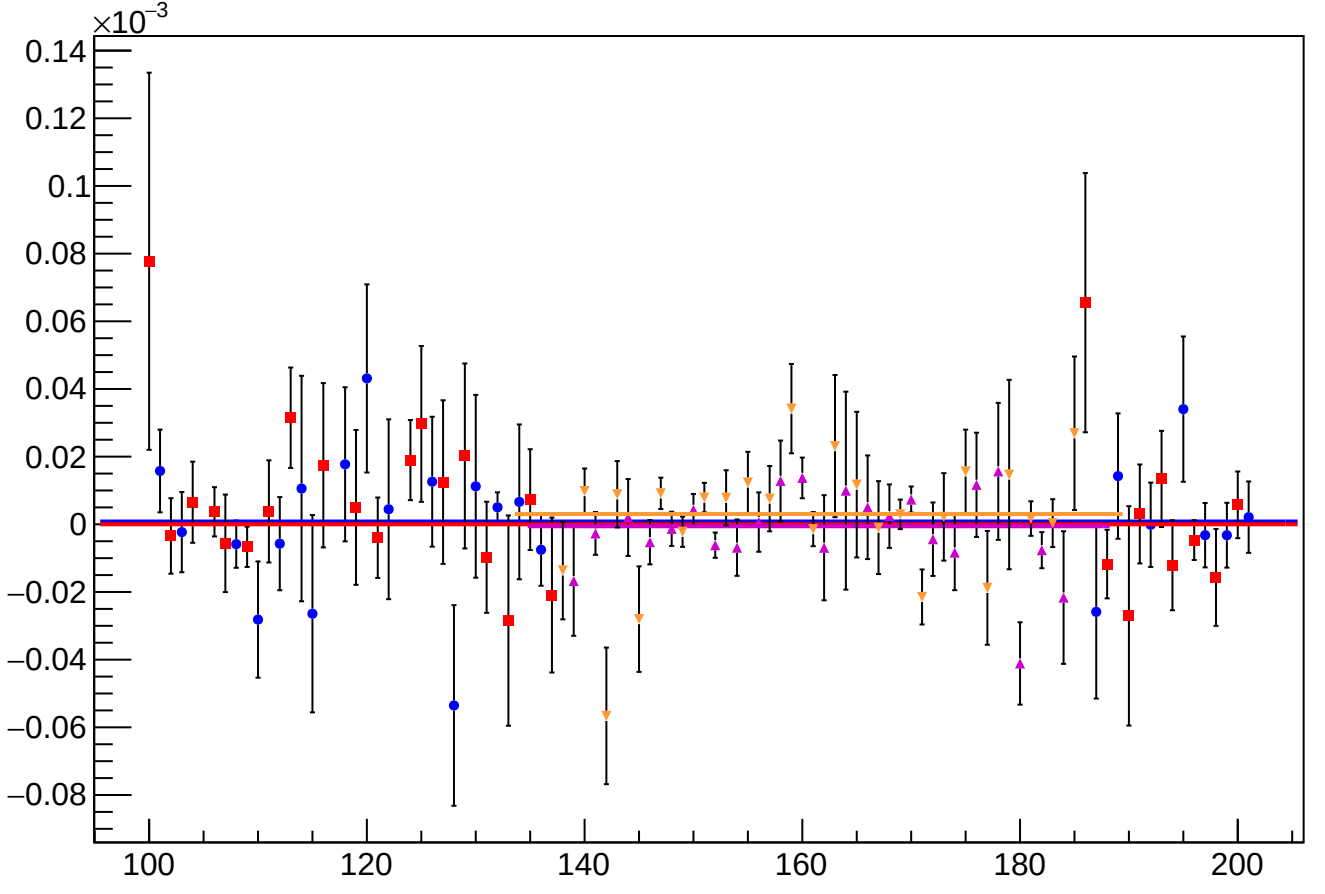
Right Out: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.268+/-0.028 χ^2/NDF: 11517156.9/47

All: 184.017+/-0.019 χ^2/NDF: 26100436.7/98

- sign 172.519+/-0.025 χ^2/NDF: 14118584.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

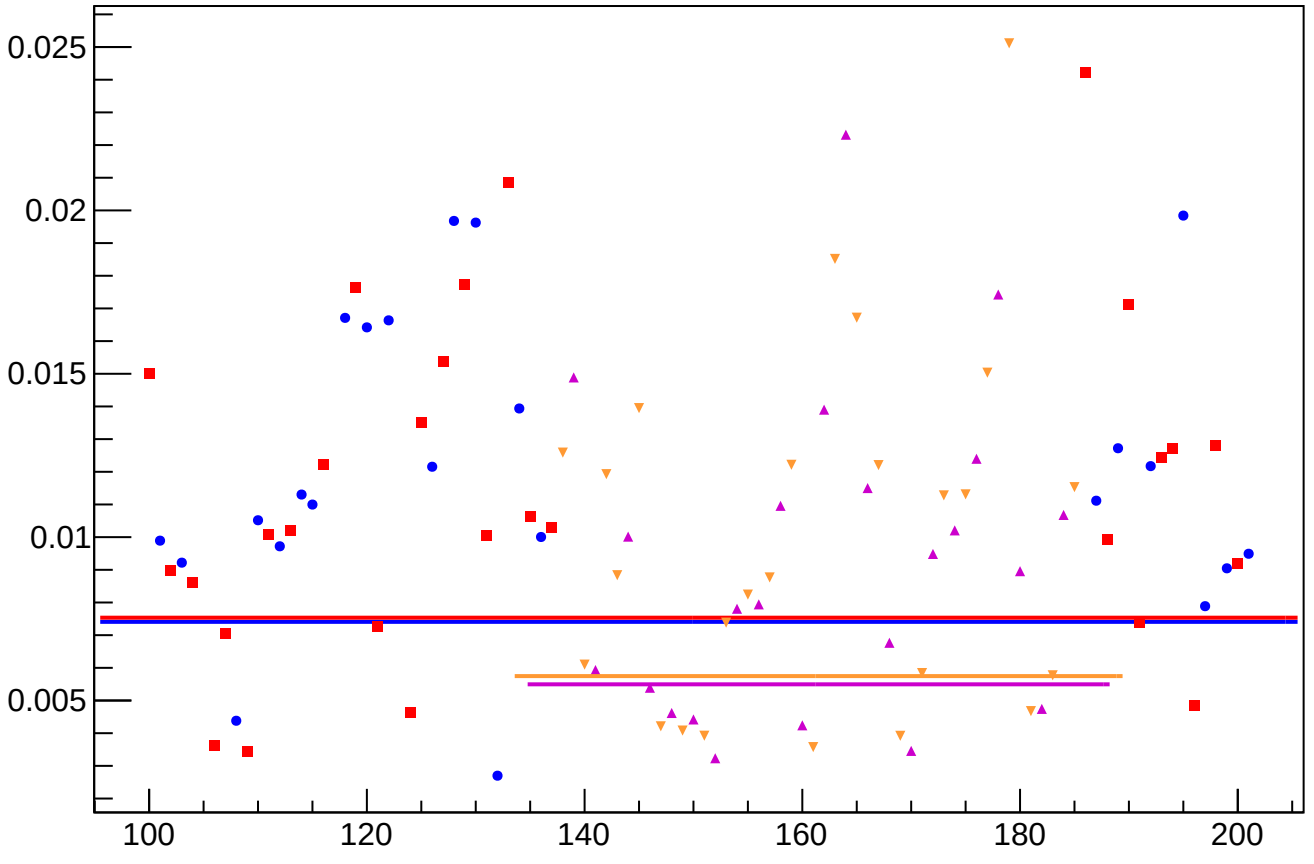
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/27

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: 123.2/98

- sign -0.000+/-0.000 χ^2/NDF: 58.7/50



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: 5435339.6/27

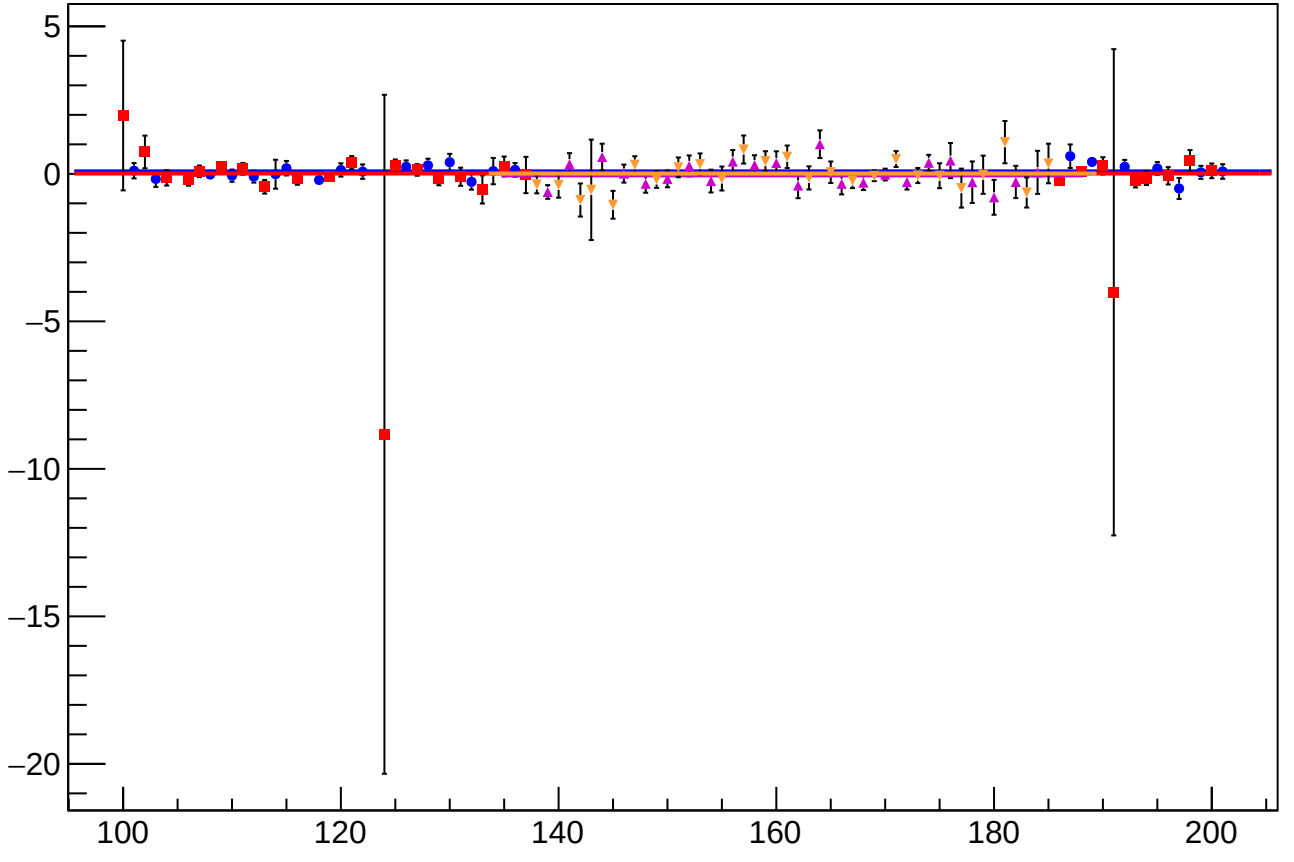
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14974230.6/47

All: 0.006+/-0.000 χ^2/NDF: 28416040.9/98

\- sign 0.006+/-0.000 χ^2/NDF: 13435395.8/50

asym_at1_avg_at2_avg_dd_eigen_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

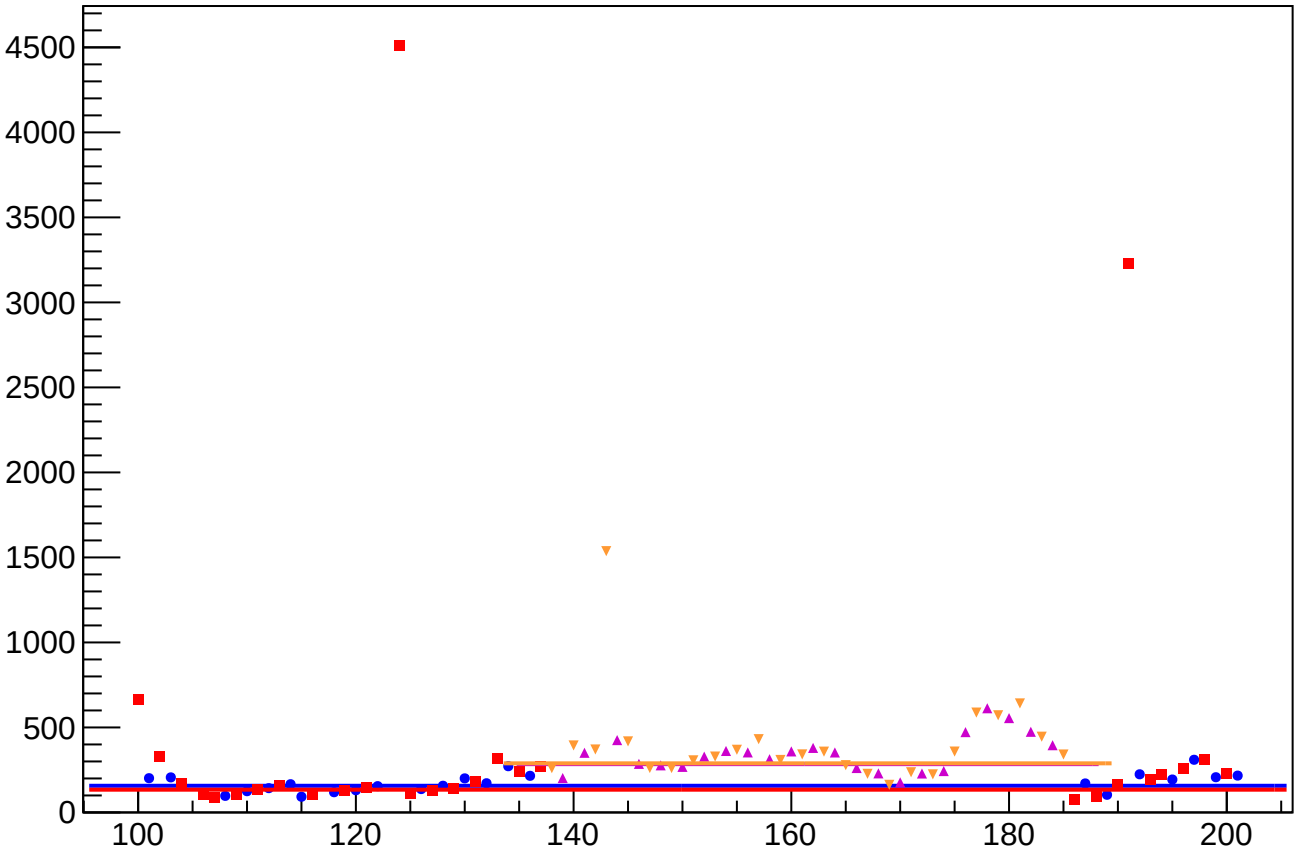
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.024+/-0.027 χ^2/NDF: 108.5/98

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

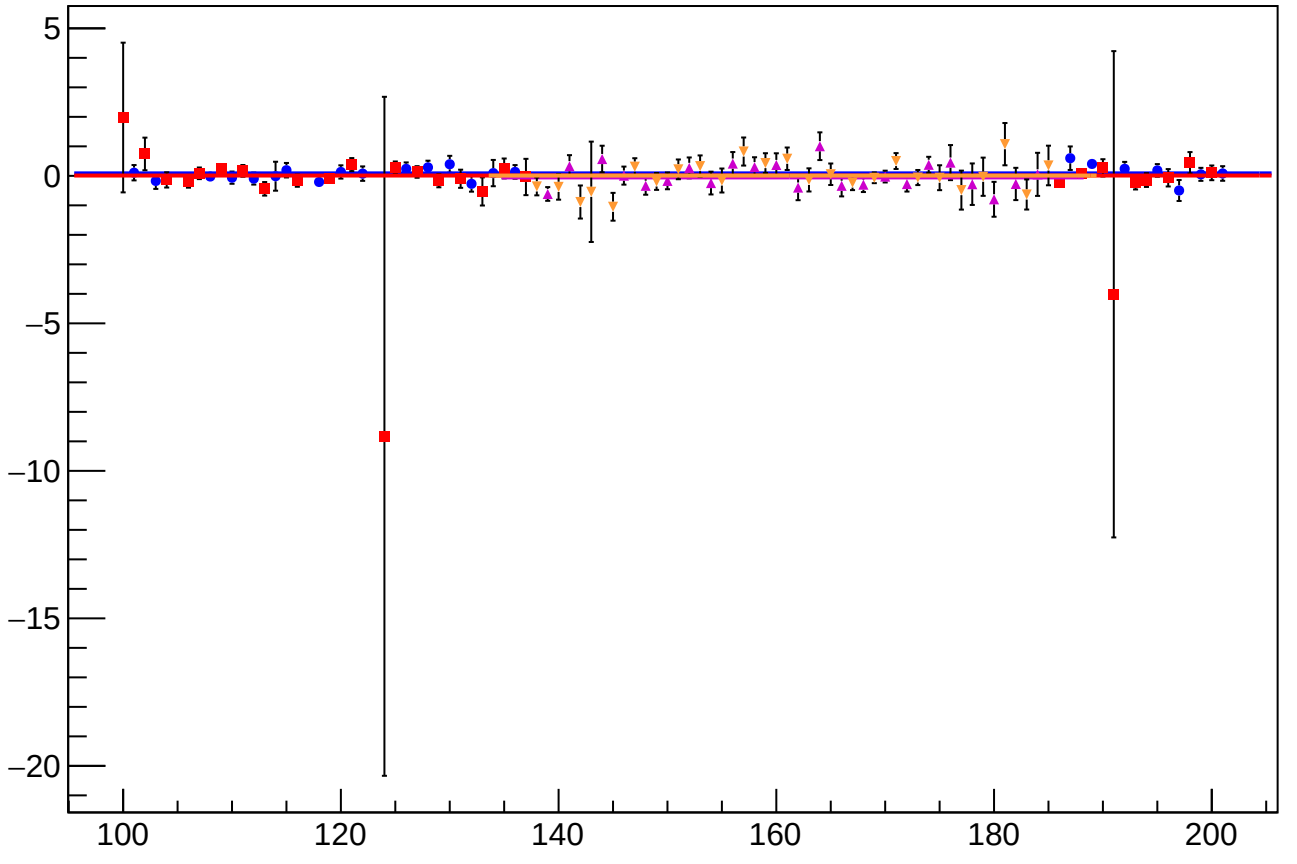
Right Out: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.267+/-0.028 χ^2/NDF: 11517375.6/47

All: 184.018+/-0.019 χ^2/NDF: 26100369.7/98

- sign 172.521+/-0.025 χ^2/NDF: 14118391.2/50



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

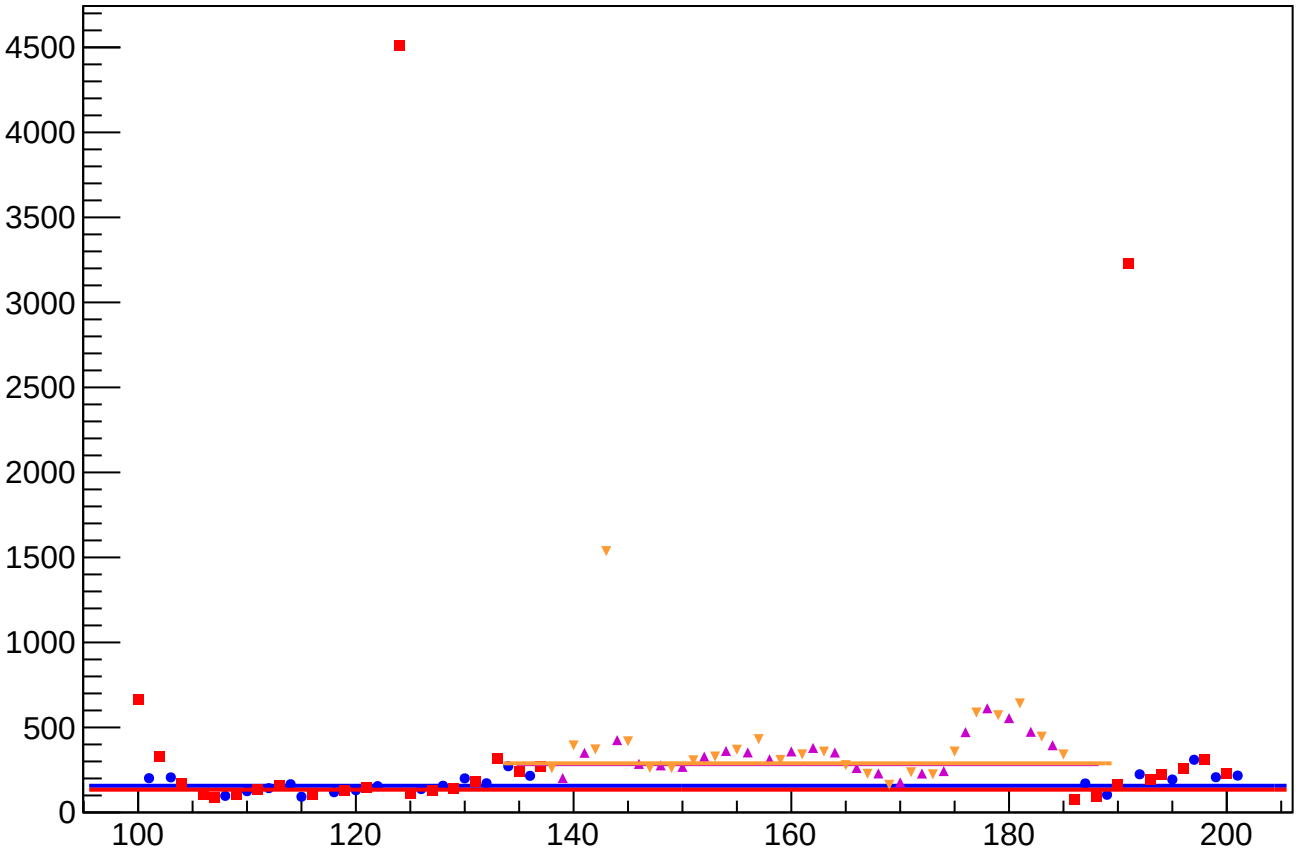
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.024+/-0.027 χ^2/NDF: 108.5/98

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

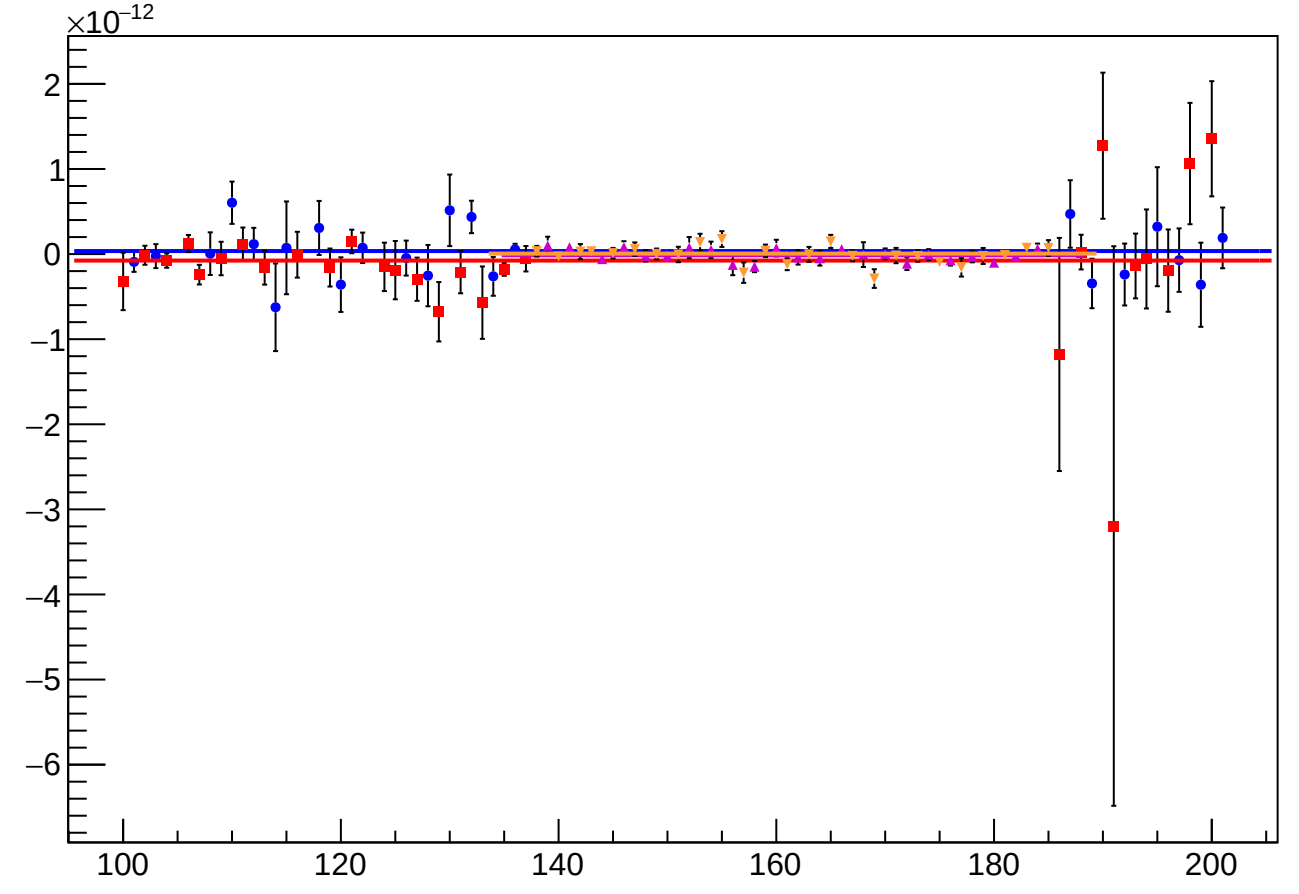
Right Out: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.267+/-0.028 χ^2/NDF: 11517375.6/47

All: 184.018+/-0.019 χ^2/NDF: 26100369.7/98

- sign 172.521+/-0.025 χ^2/NDF: 14118391.2/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

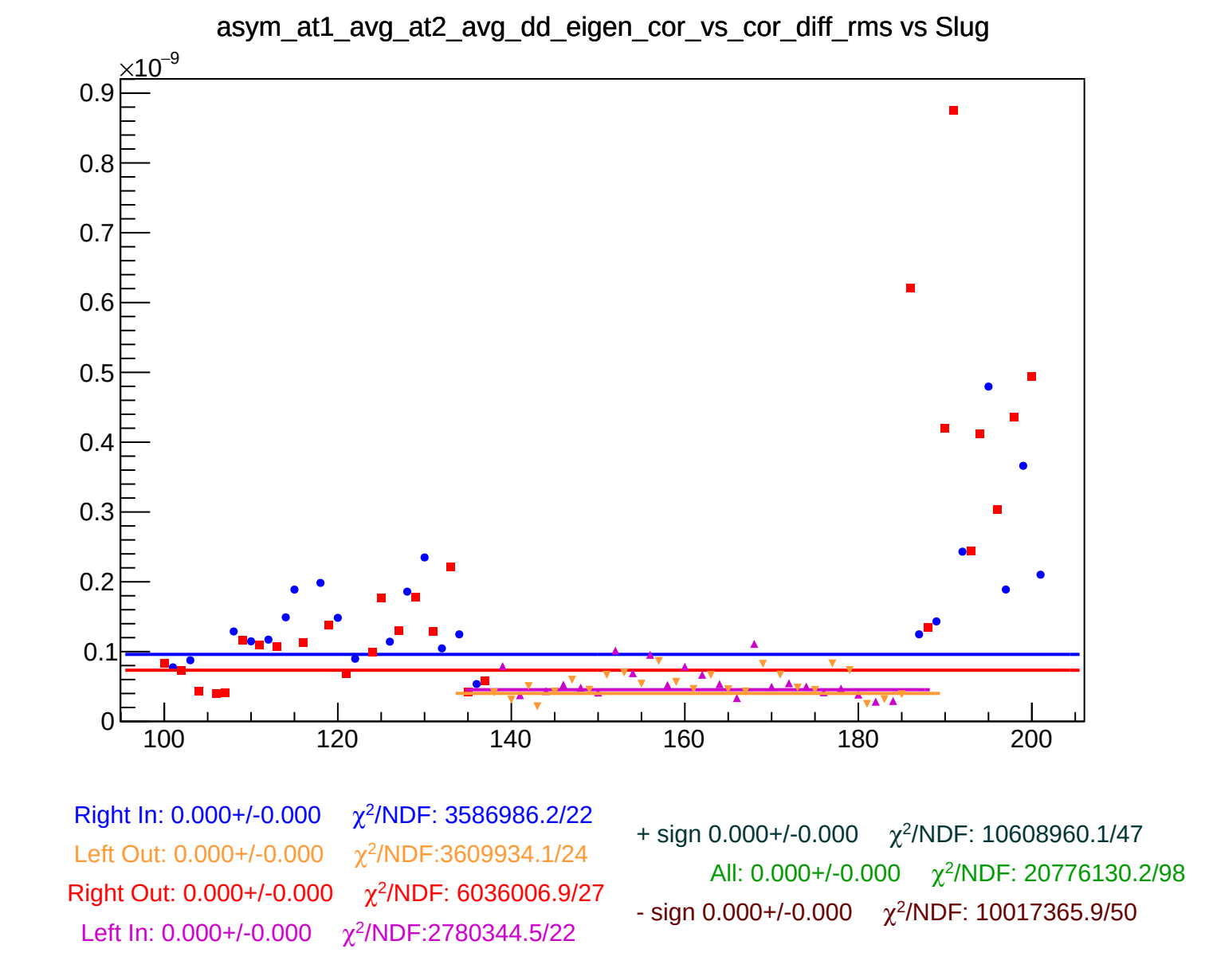
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/27

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

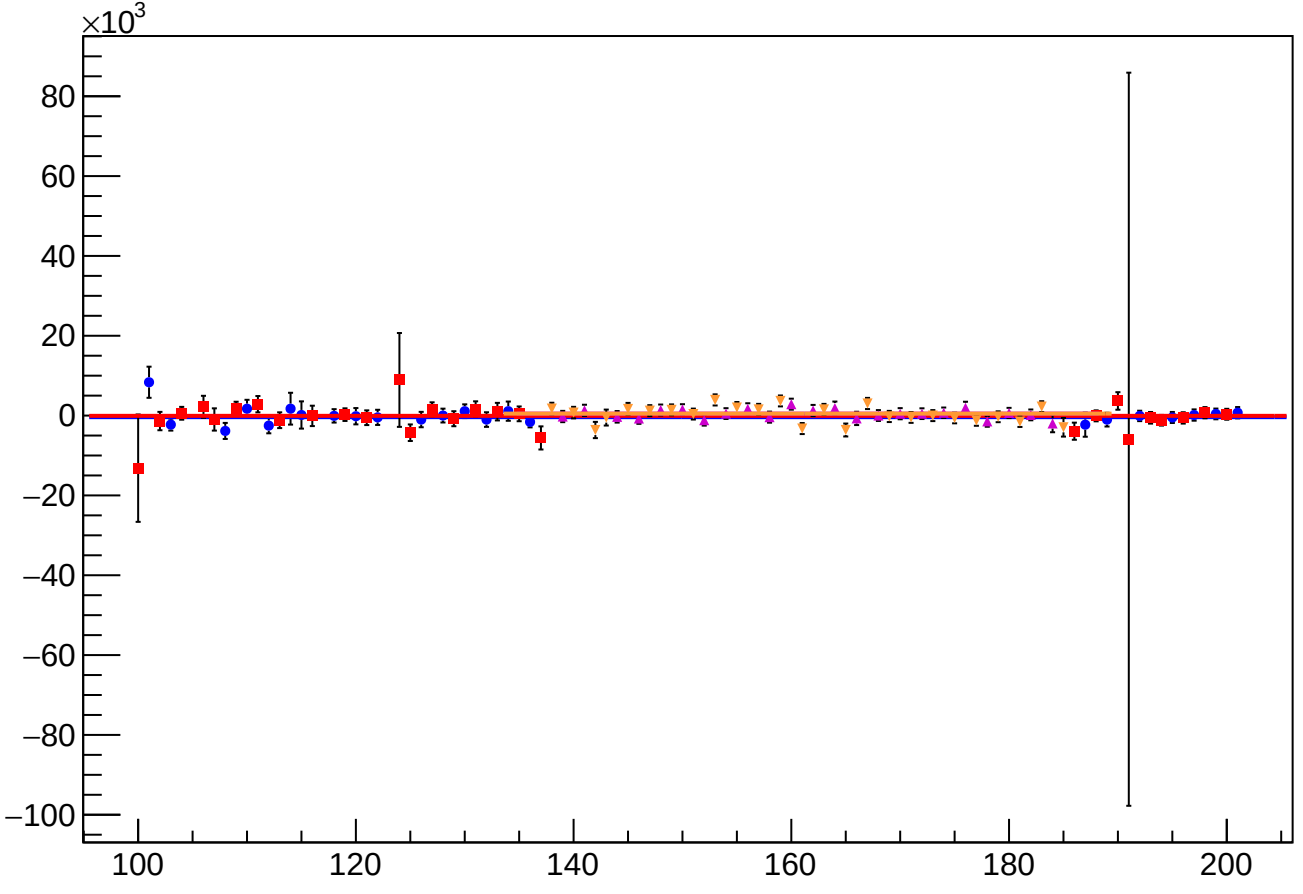
+ sign 0.000+/-0.000 χ^2/NDF: 58.2/47

All: -0.000+/-0.000 χ^2/NDF: 117.3/98

- sign -0.000+/-0.000 χ^2/NDF: 55.8/50


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: 6036006.9/27
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: 20776130.2/98
- sign 0.000+/-0.000 χ²/NDF: 10017365.9/50

reg_asym_atl1r2_dd_atl2r1_dd_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: -65.376+/-359.817 χ^2/NDF: 23.4/27

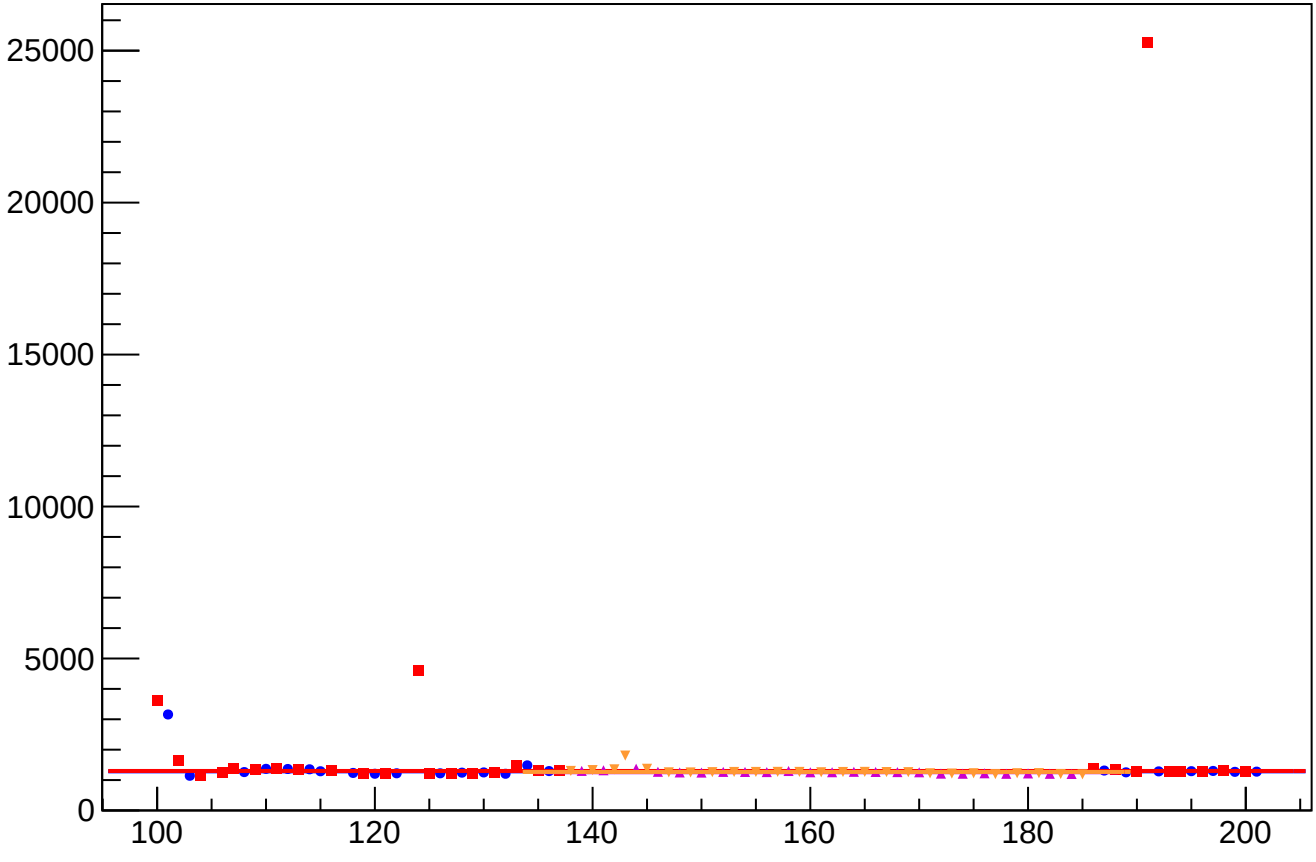
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 157.067+/-227.565 χ^2/NDF: 66.3/47

All: 211.515+/-160.911 χ^2/NDF: 105.6/98

- sign 265.961+/-227.559 χ^2/NDF: 39.2/50

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

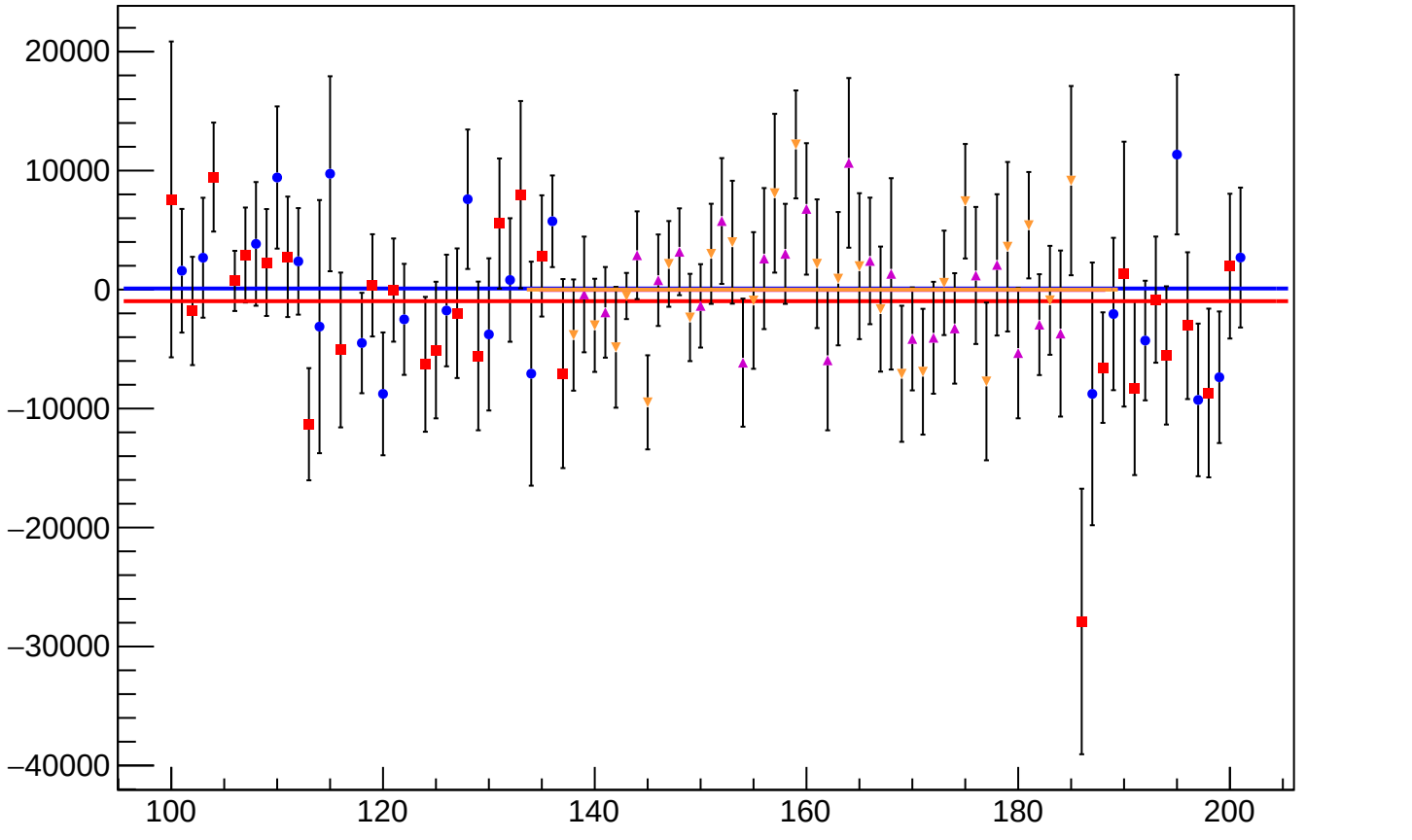
Right Out: 1299.123+/-0.254 χ^2/NDF: 466310.2/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707228.5/47

All: 1274.283+/-0.114 χ^2/NDF: 1226402.2/98

- sign 1274.207+/-0.161 χ^2/NDF: 519173.2/50



Right In: 89.768+/-1154.948 χ^2/NDF: 22.8/22

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

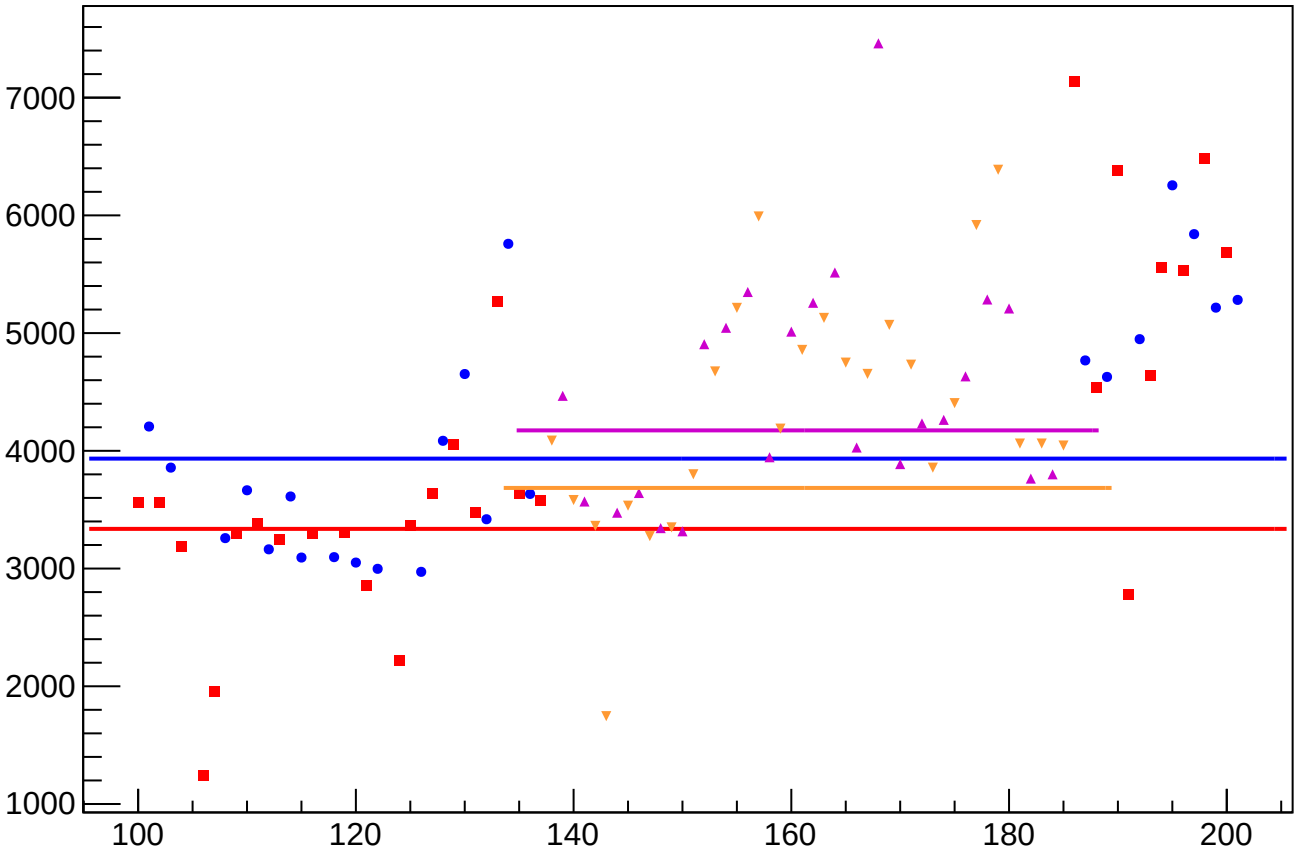
Right Out: -975.027+/-985.492 χ^2/NDF: 29.7/27

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 32.900+/-703.220 χ^2/NDF: 51.9/47

All: -238.675+/-496.218 χ^2/NDF: 96.4/98

- sign -508.004+/-700.307 χ^2/NDF: 44.2/50



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: 3336.965+/-0.697 χ^2/NDF: 3772243.5/27

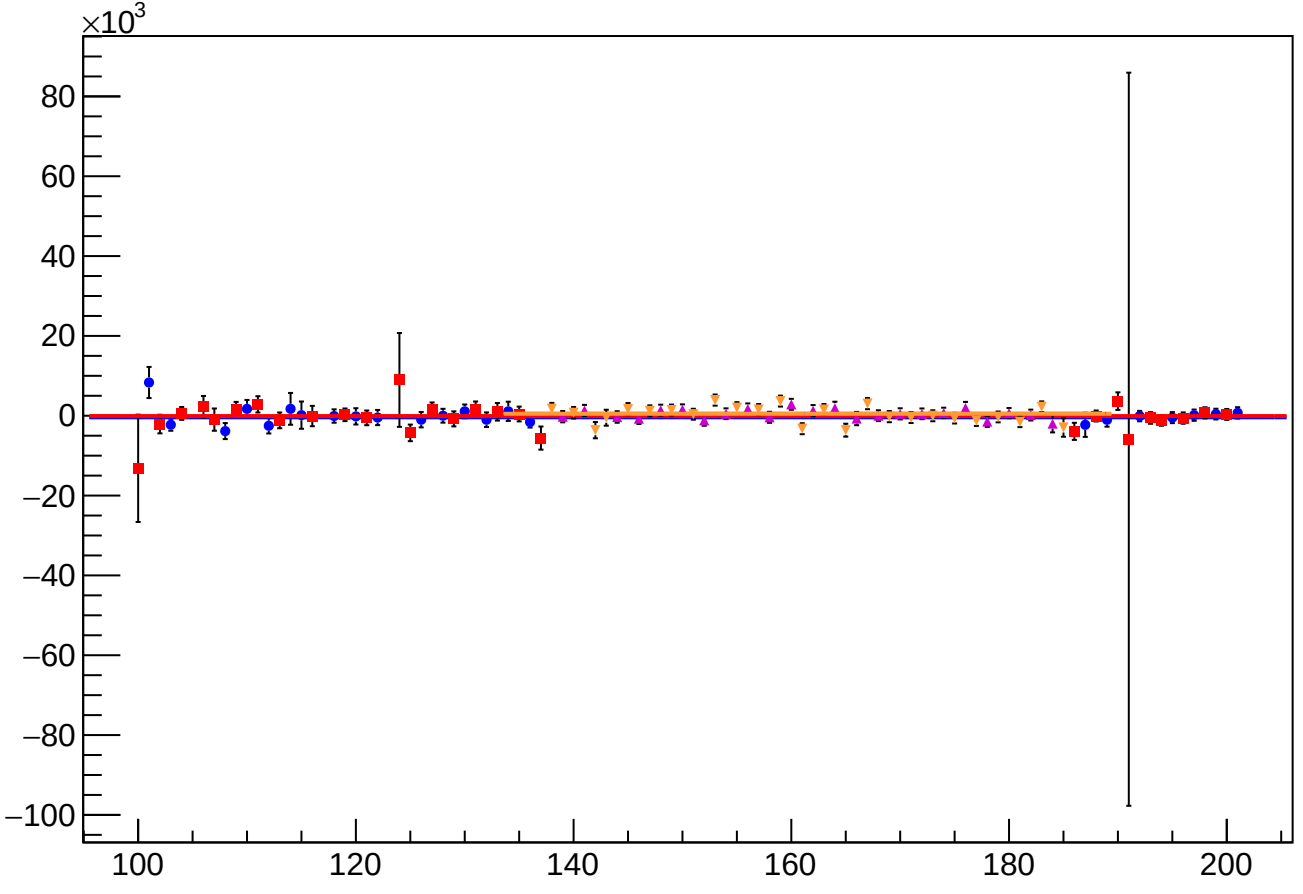
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3777.091+/-0.497 χ^2/NDF: 5058406.3/47

All: 3764.040+/-0.351 χ^2/NDF: 10820463.4/9

\- sign 3751.098+/-0.495 χ^2/NDF: 5760685.2/50

cor_asym_atl1r2_dd_atl2r1_dd_dd_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: -81.239+/-359.947 χ^2/NDF: 23.8/27

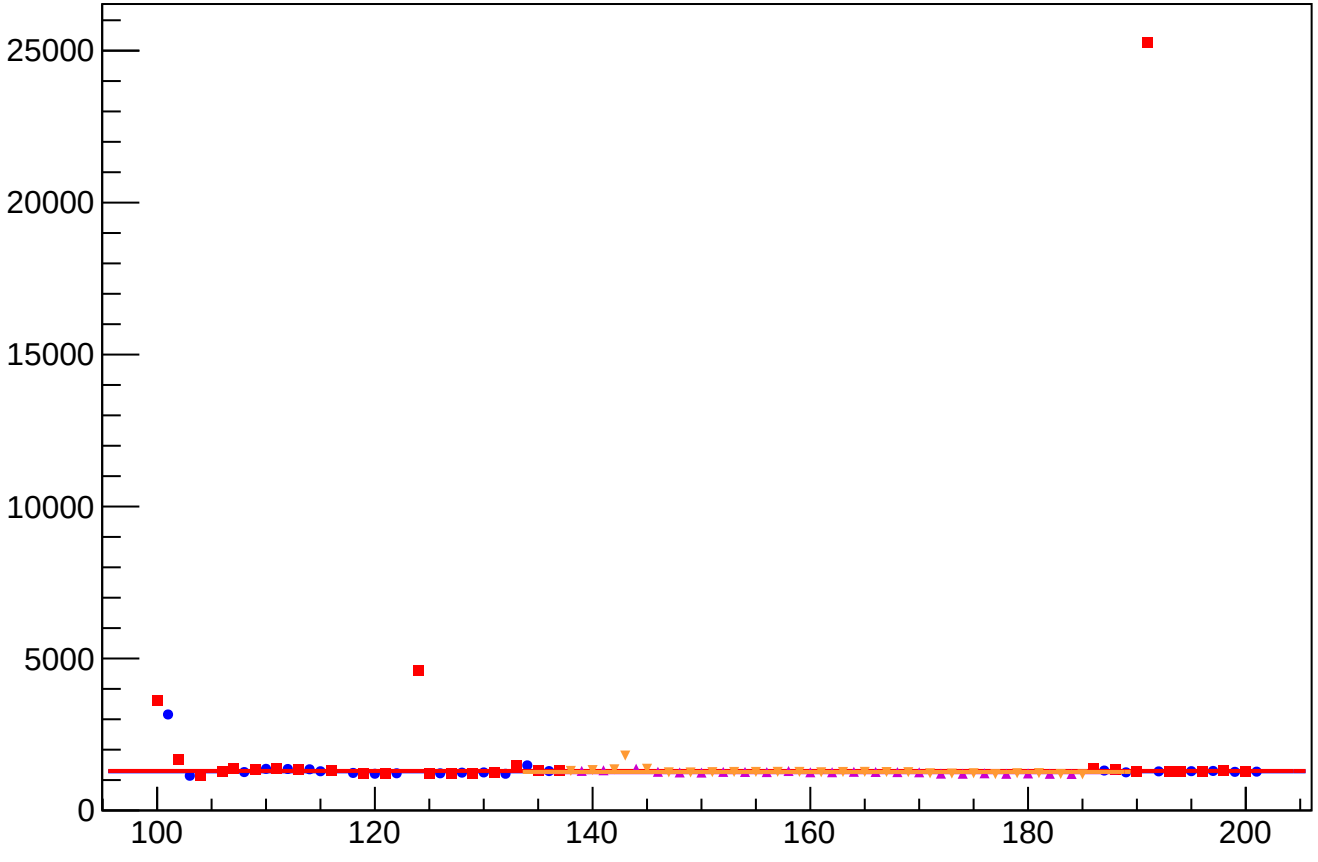
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 157.007+/-227.565 χ^2/NDF: 66.3/47

All: 208.325+/-160.922 χ^2/NDF: 106.1/98

- sign 259.654+/-227.592 χ^2/NDF: 39.7/50

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

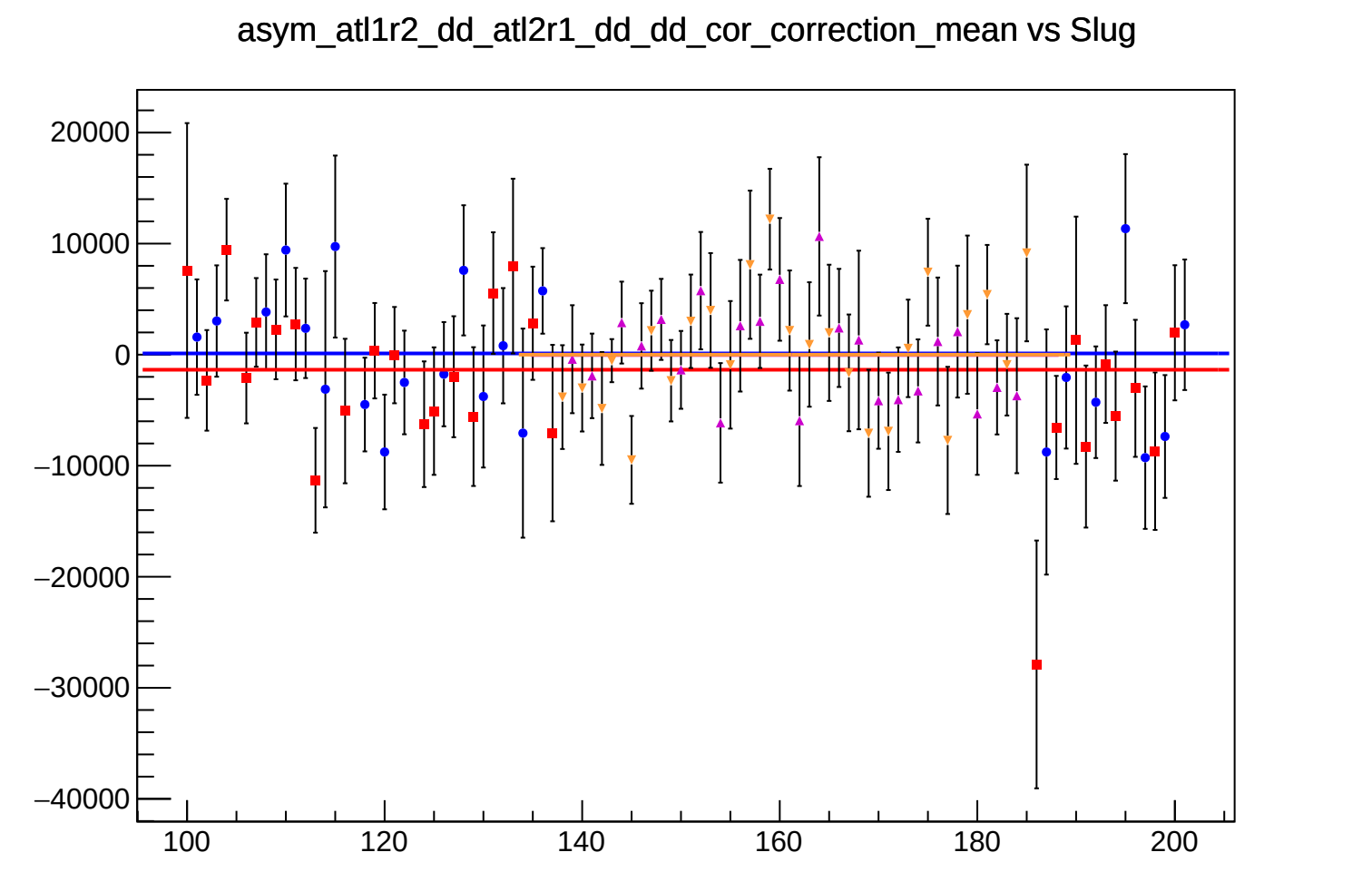
Right Out: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707229.9/47

All: 1274.497+/-0.114 χ^2/NDF: 1233786.3/98

- sign 1274.634+/-0.161 χ^2/NDF: 526554.9/50



Right In: 109.730+/-1154.647 χ^2/NDF: 22.9/22

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

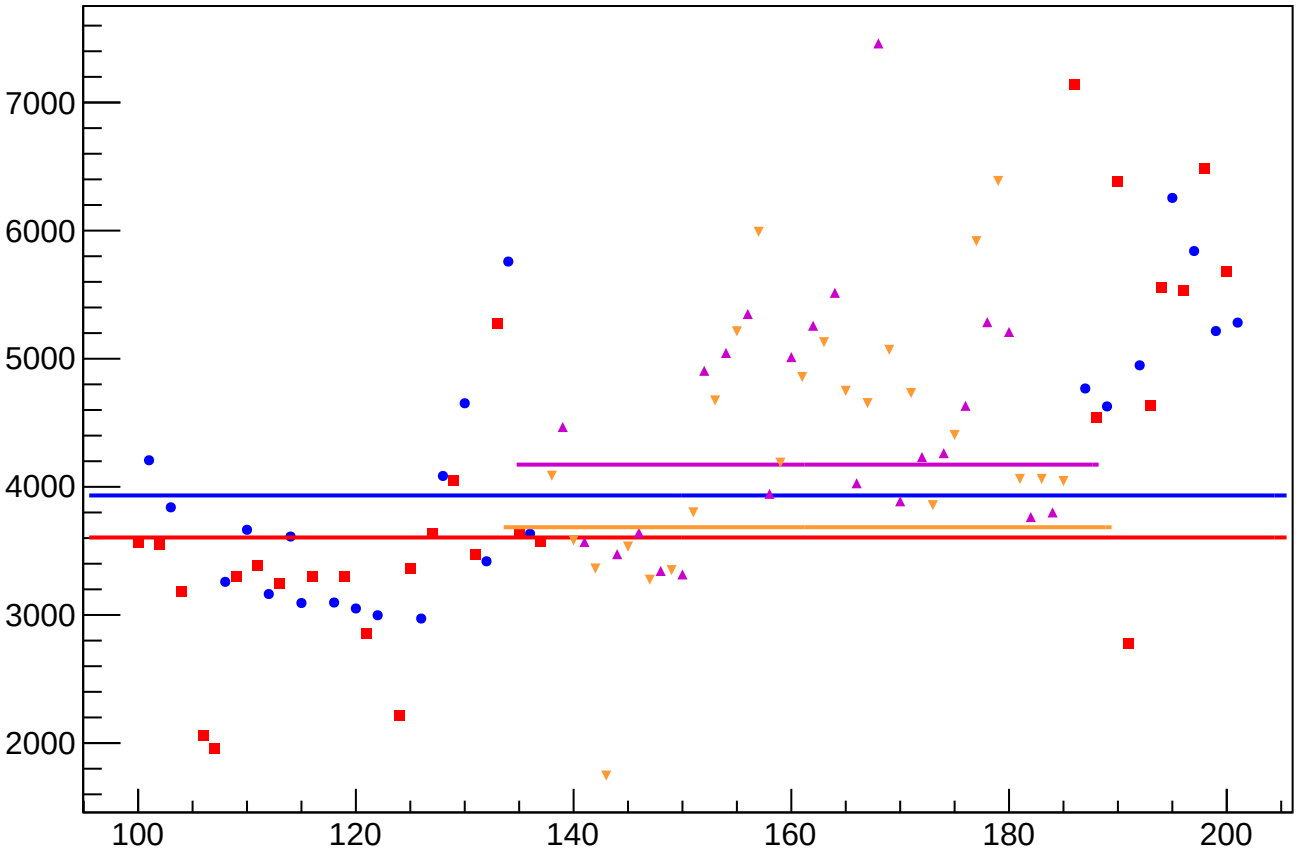
Right Out: -1358.984+/-1034.749 χ^2/NDF: 29.3/27

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 40.353+/-703.152 χ^2/NDF: 52.0/47

All: -307.501+/-502.145 χ^2/NDF: 96.7/98

- sign -669.537+/-717.342 χ^2/NDF: 44.2/50



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

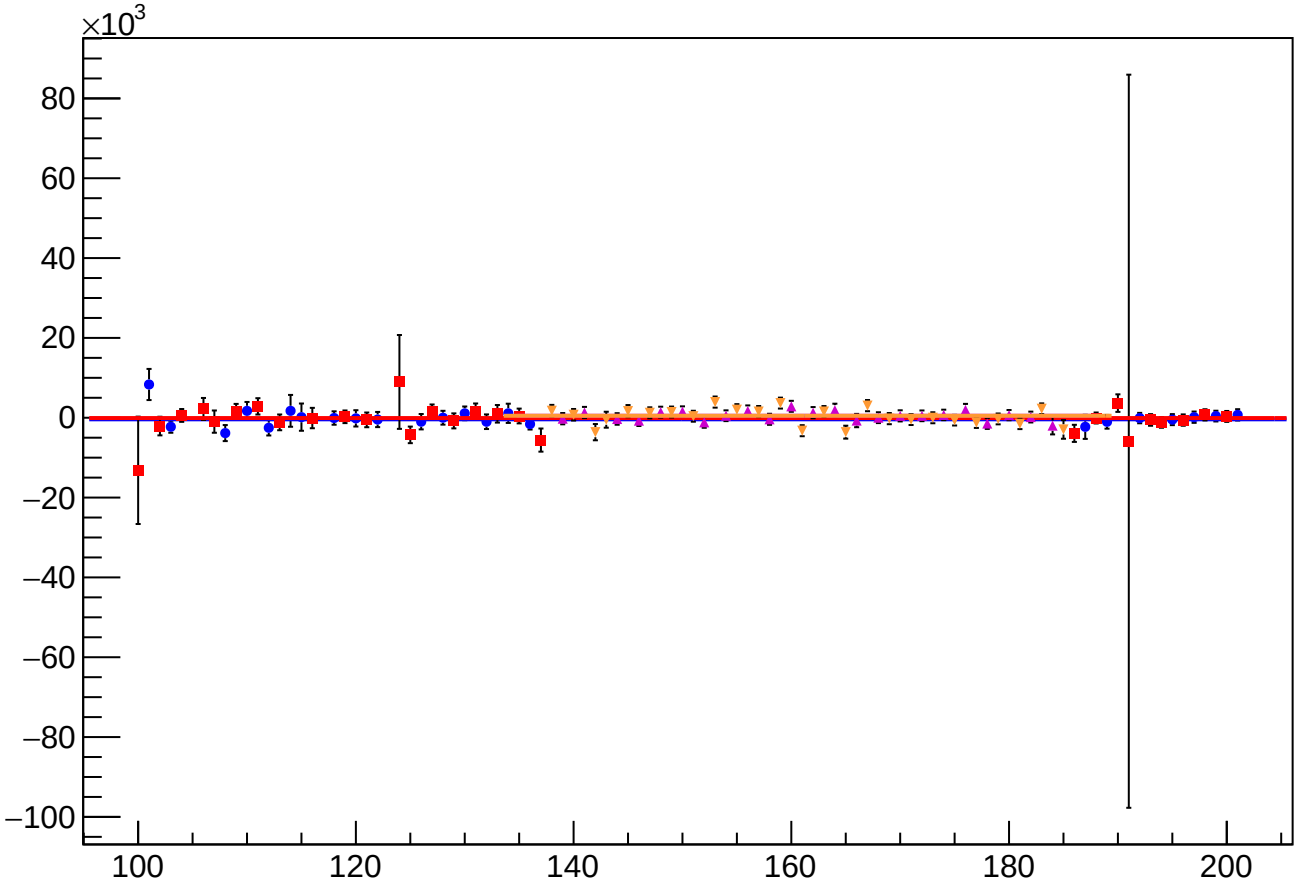
Right Out: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3776.777+/-0.497 χ^2/NDF: 5058325.1/47

All: 3837.268+/-0.355 χ^2/NDF: 9137917.0/98

- sign 3900.225+/-0.507 χ^2/NDF: 4049384.9/50



Right In: -394.841+/-370.237 χ^2/NDF: 15.8/22

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

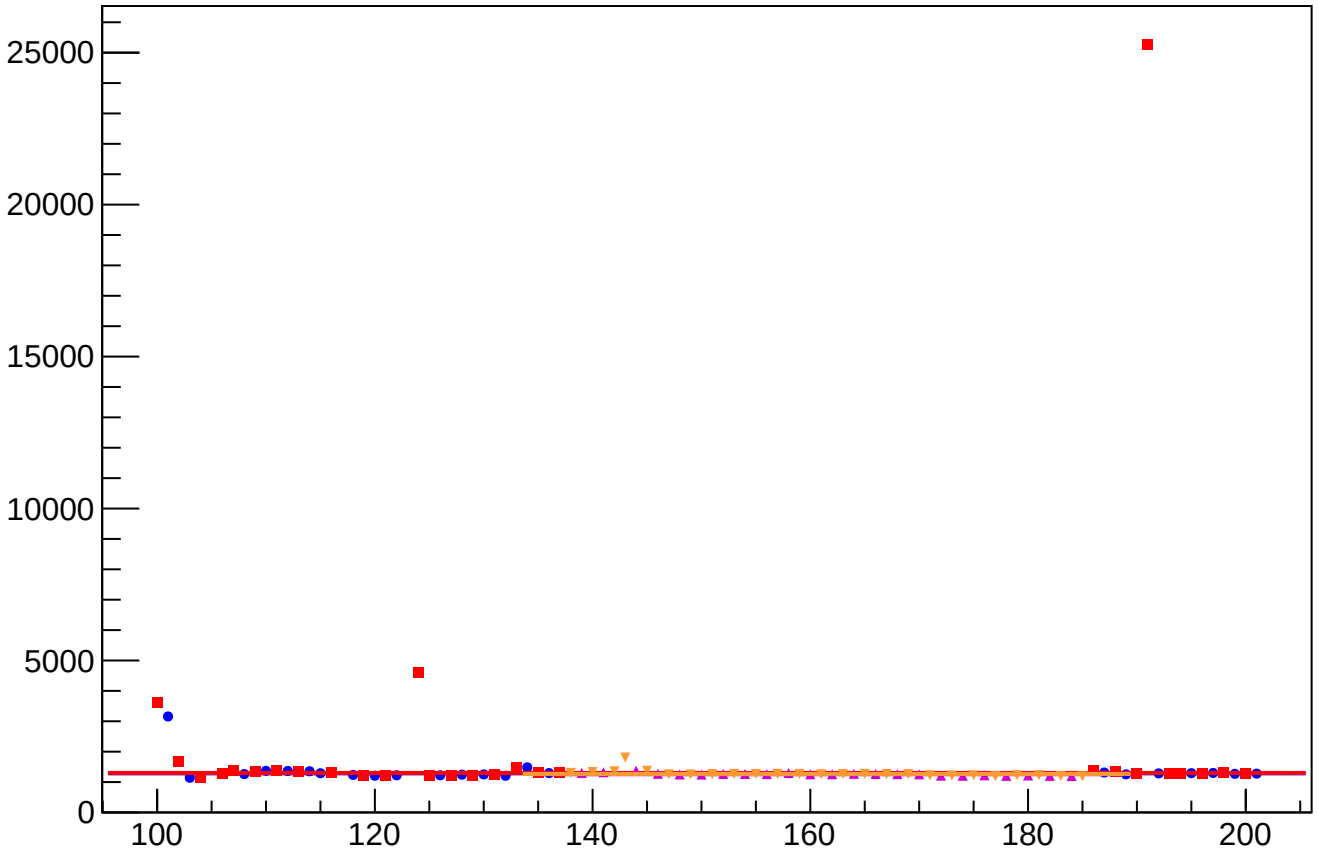
Right Out: -81.239+/-359.947 χ^2/NDF: 23.8/27

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 157.007+/-227.565 χ^2/NDF: 66.3/47

All: 208.325+/-160.922 χ^2/NDF: 106.1/98

- sign 259.654+/-227.592 χ^2/NDF: 39.7/50



Right In: 1286.533+/-0.262 χ^2/NDF: 516209.1/22

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

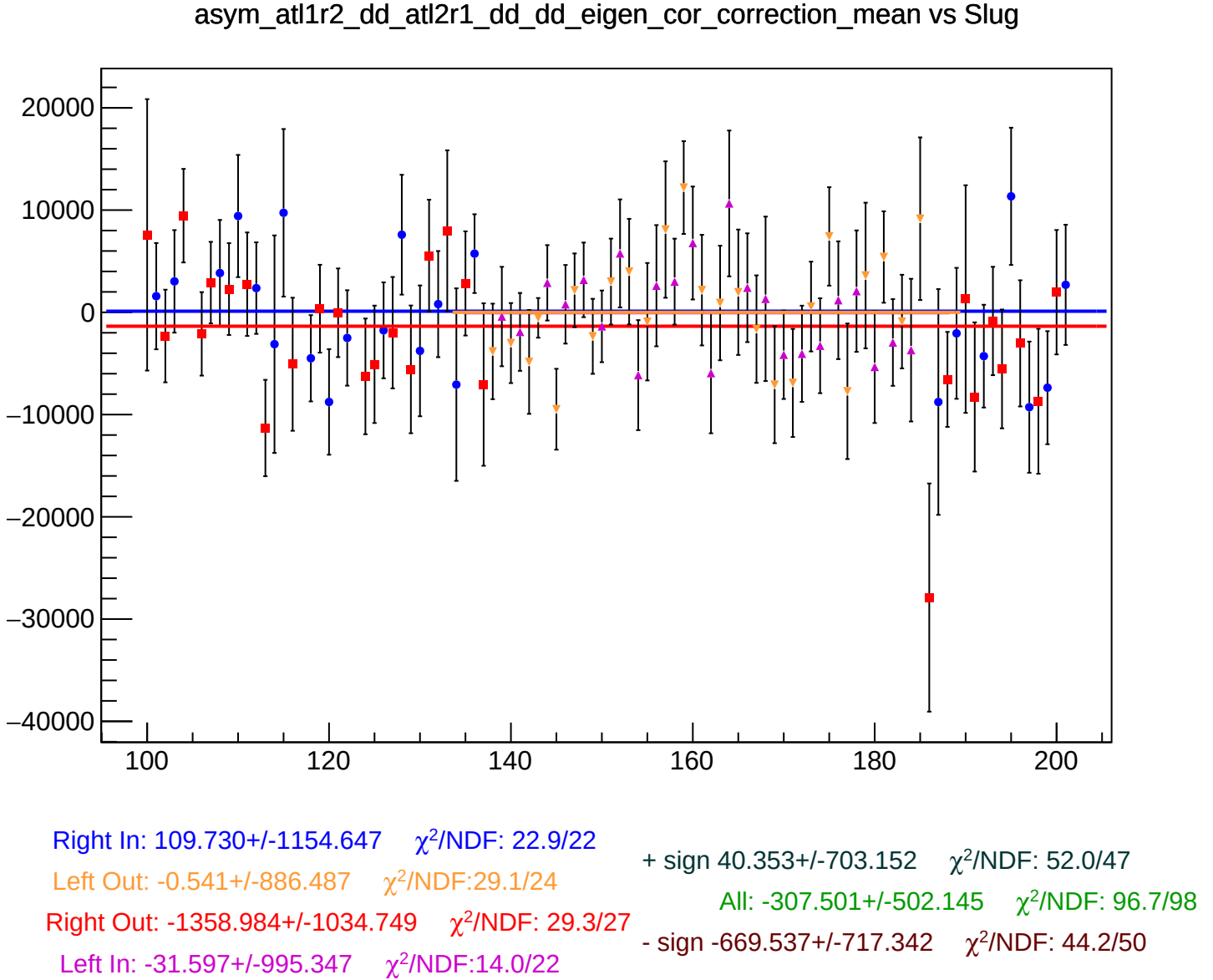
Right Out: 1300.229+/-0.254 χ^2/NDF: 472842.8/27

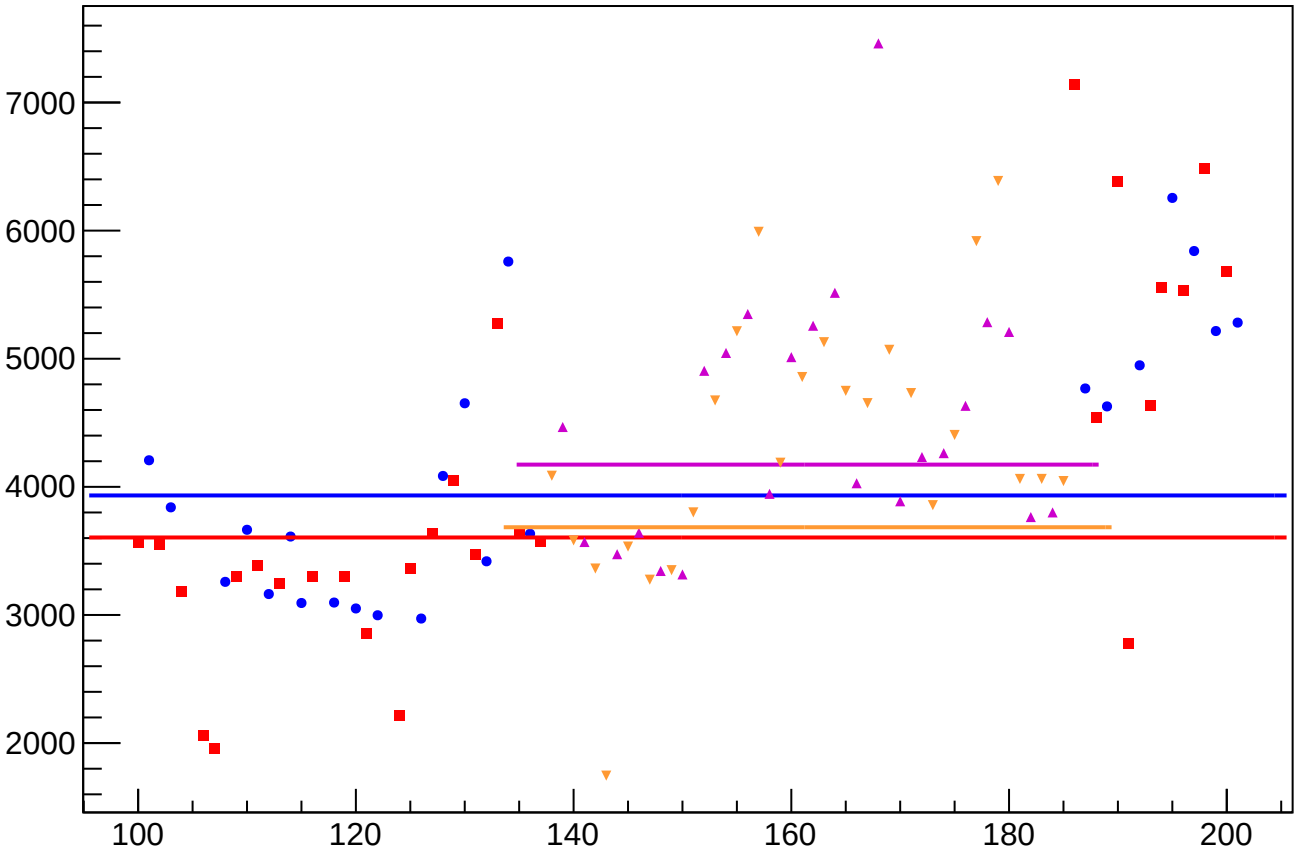
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.359+/-0.161 χ^2/NDF: 707229.9/47

All: 1274.497+/-0.114 χ^2/NDF: 1233786.3/98

- sign 1274.634+/-0.161 χ^2/NDF: 526554.9/50


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: -1358.984+/-1034.749 χ²/NDF: 29.3/27
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 40.353+/-703.152 χ²/NDF: 52.0/47
All: -307.501+/-502.145 χ²/NDF: 96.7/98
- sign -669.537+/-717.342 χ²/NDF: 44.2/50



Right In: 3932.880+/-0.816 χ^2/NDF: 1306534.3/22

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

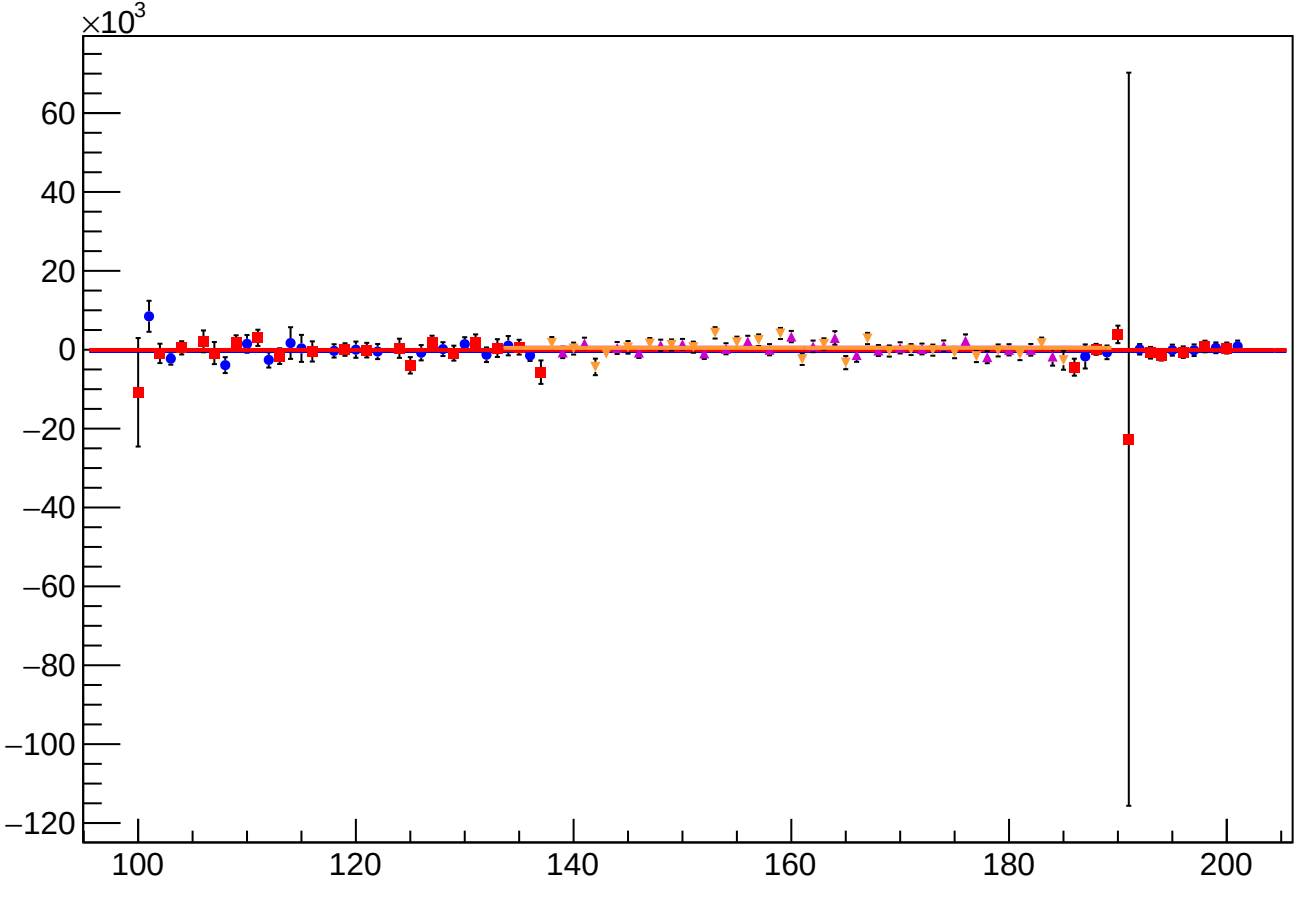
Right Out: 3604.832+/-0.732 χ^2/NDF: 2460614.3/27

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3776.777+/-0.497 χ^2/NDF: 5058325.1/47

All: 3837.268+/-0.355 χ^2/NDF: 9137917.0/98

- sign 3900.225+/-0.507 χ^2/NDF: 4049384.9/50



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: -57.926+/-361.960 χ^2/NDF: 24.1/27

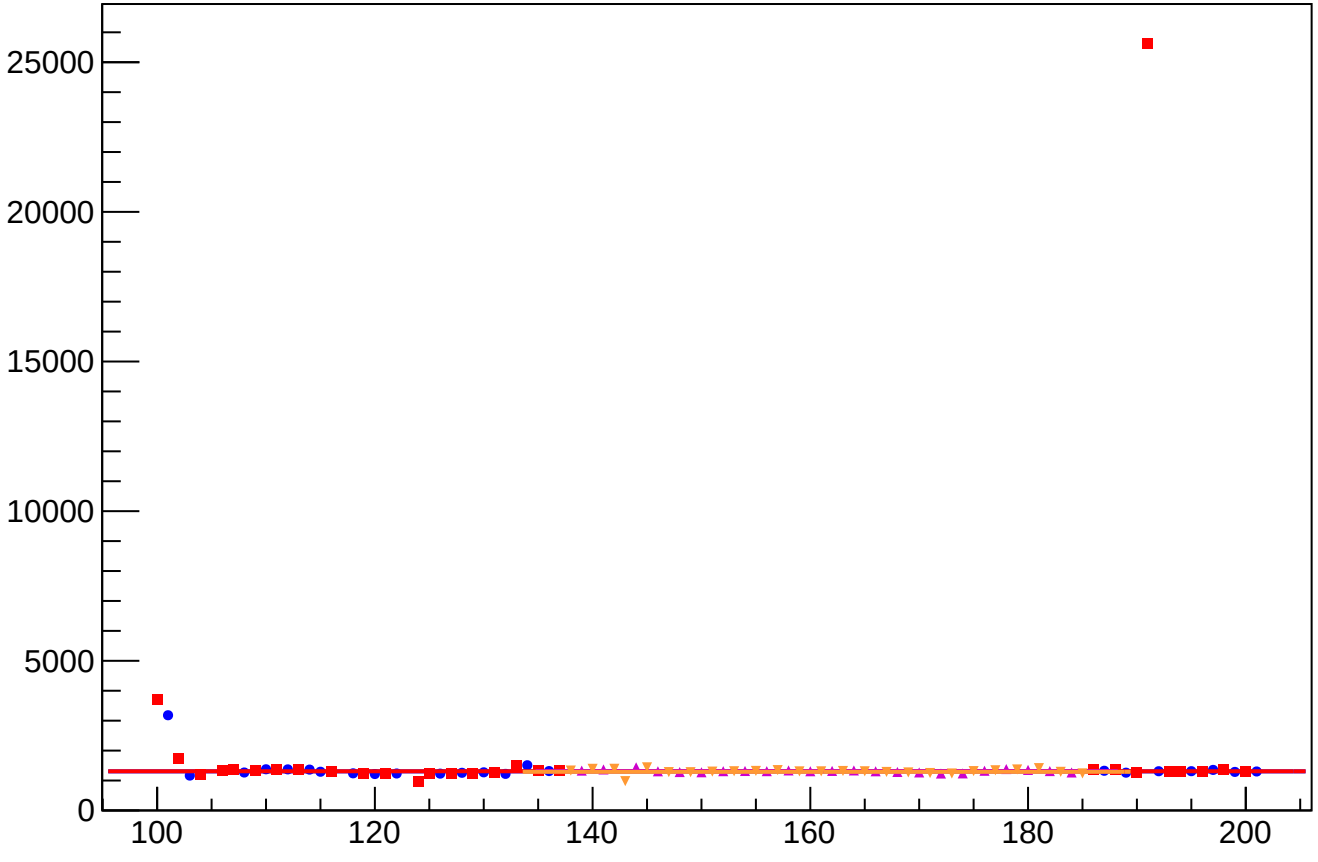
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 168.026+/-231.668 χ^2/NDF: 62.7/47

All: 217.770+/-164.685 χ^2/NDF: 105.7/98

- sign 268.588+/-234.152 χ^2/NDF: 42.9/50

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

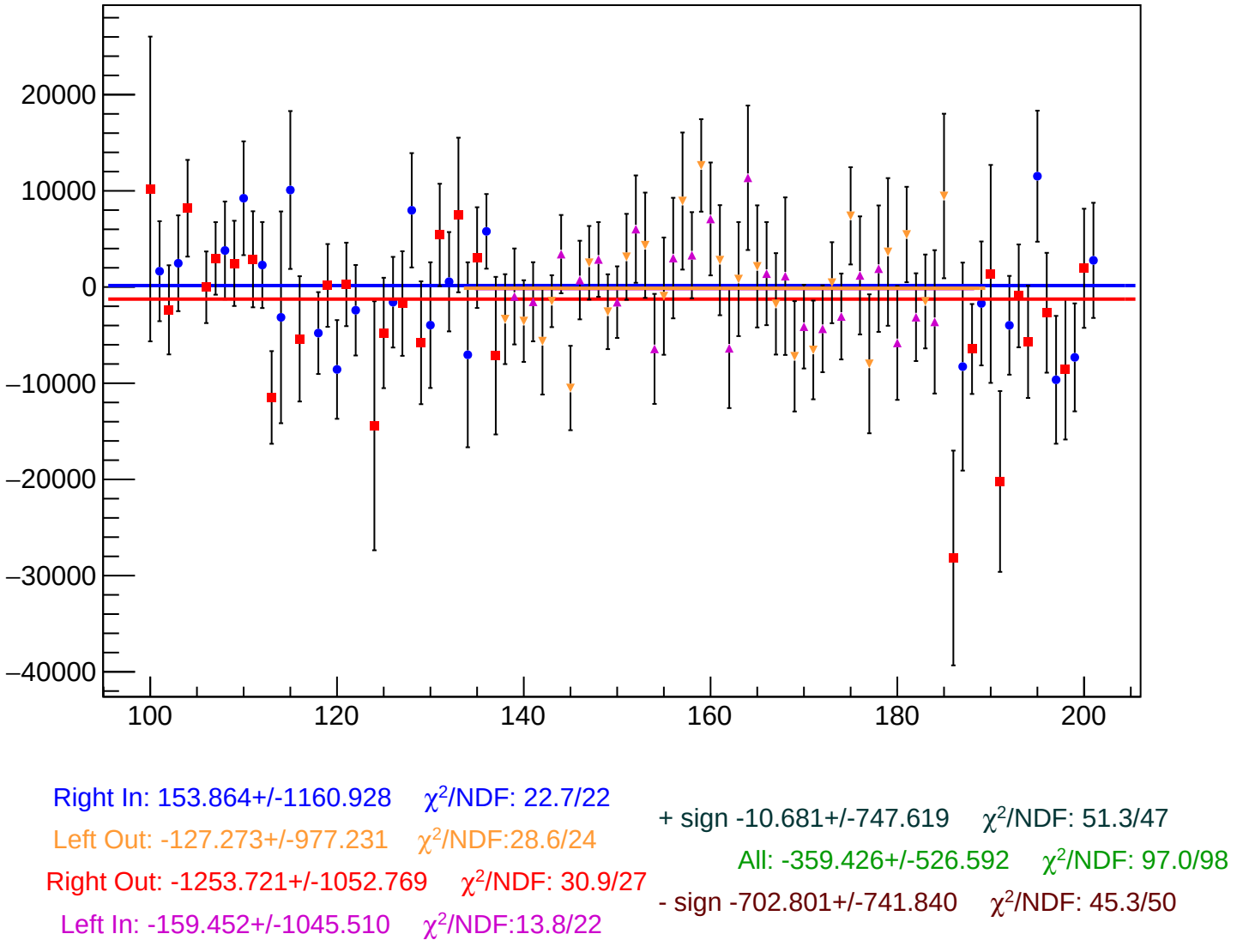
Right Out: 1309.511+/-0.256 χ^2/NDF: 363196.3/27

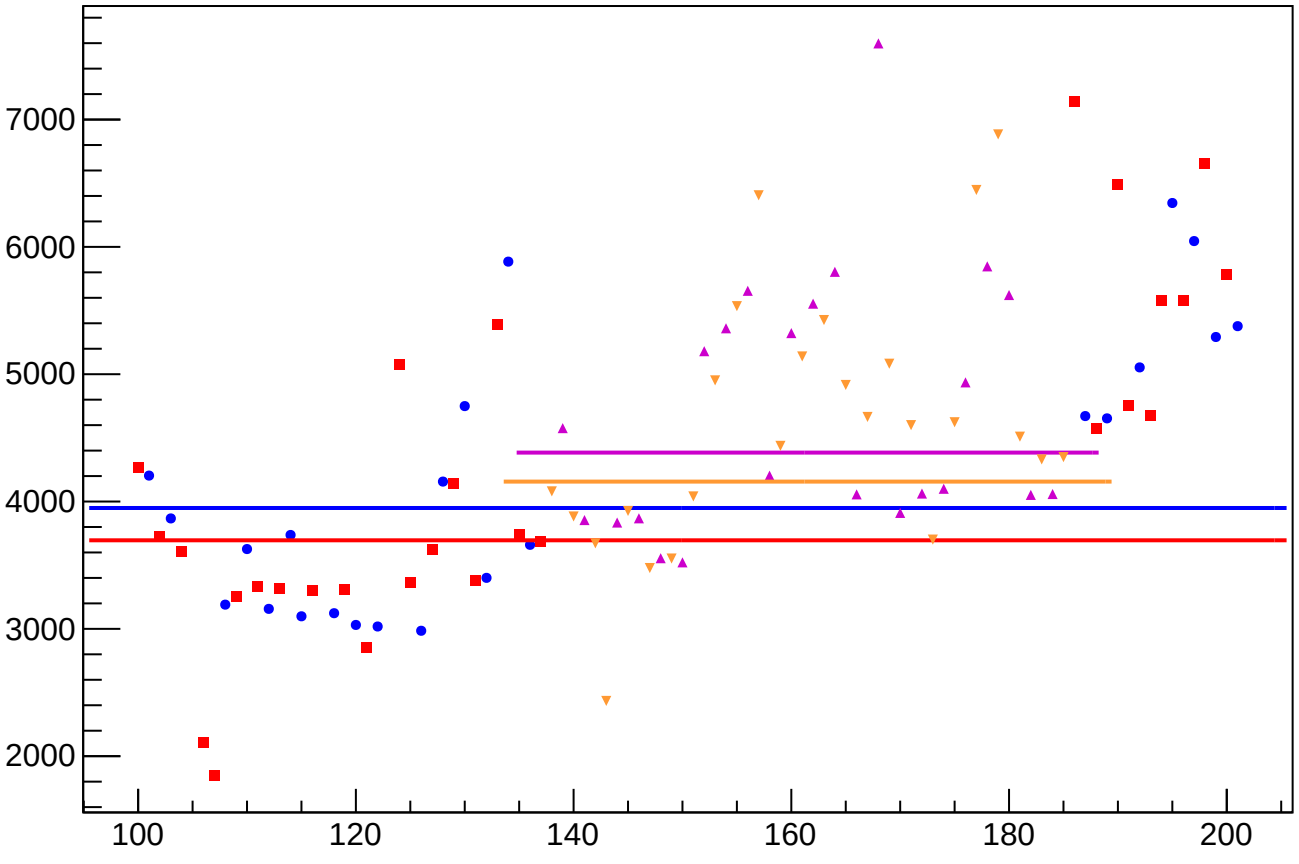
Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.655+/-0.164 χ^2/NDF: 747148.7/47

All: 1304.308+/-0.116 χ^2/NDF: 1157980.8/98

- sign 1312.124+/-0.166 χ^2/NDF: 406420.4/50


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 153.864+/-1160.928 χ²/NDF: 22.7/22
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: -1253.721+/-1052.769 χ²/NDF: 30.9/27
Left In: -159.452+/-1045.510 χ²/NDF:13.8/22
+ sign -10.681+/-747.619 χ²/NDF: 51.3/47
All: -359.426+/-526.592 χ²/NDF: 97.0/98
- sign -702.801+/-741.840 χ²/NDF: 45.3/50



Right In: 3949.274+/-0.821 χ^2/NDF: 1389419.1/22

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

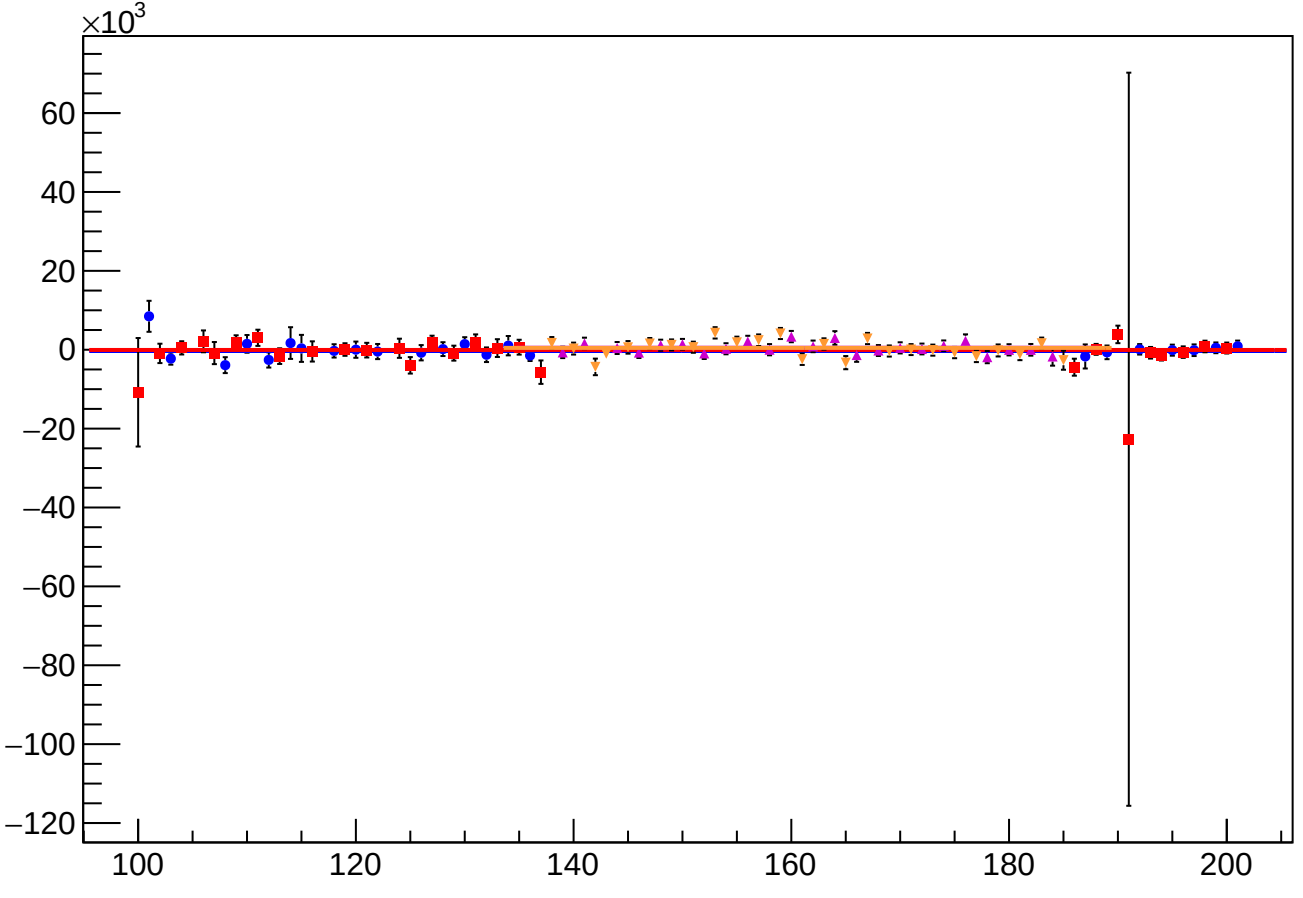
Right Out: 3695.492+/-0.744 χ^2/NDF: 2545738.6/27

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4070.608+/-0.529 χ^2/NDF: 3507511.8/47

All: 4056.339+/-0.372 χ^2/NDF: 7741242.2/98

- sign 4042.291+/-0.525 χ^2/NDF: 4232284.6/50



Right In: -320.951+/-375.734 χ^2/NDF: 15.9/22

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

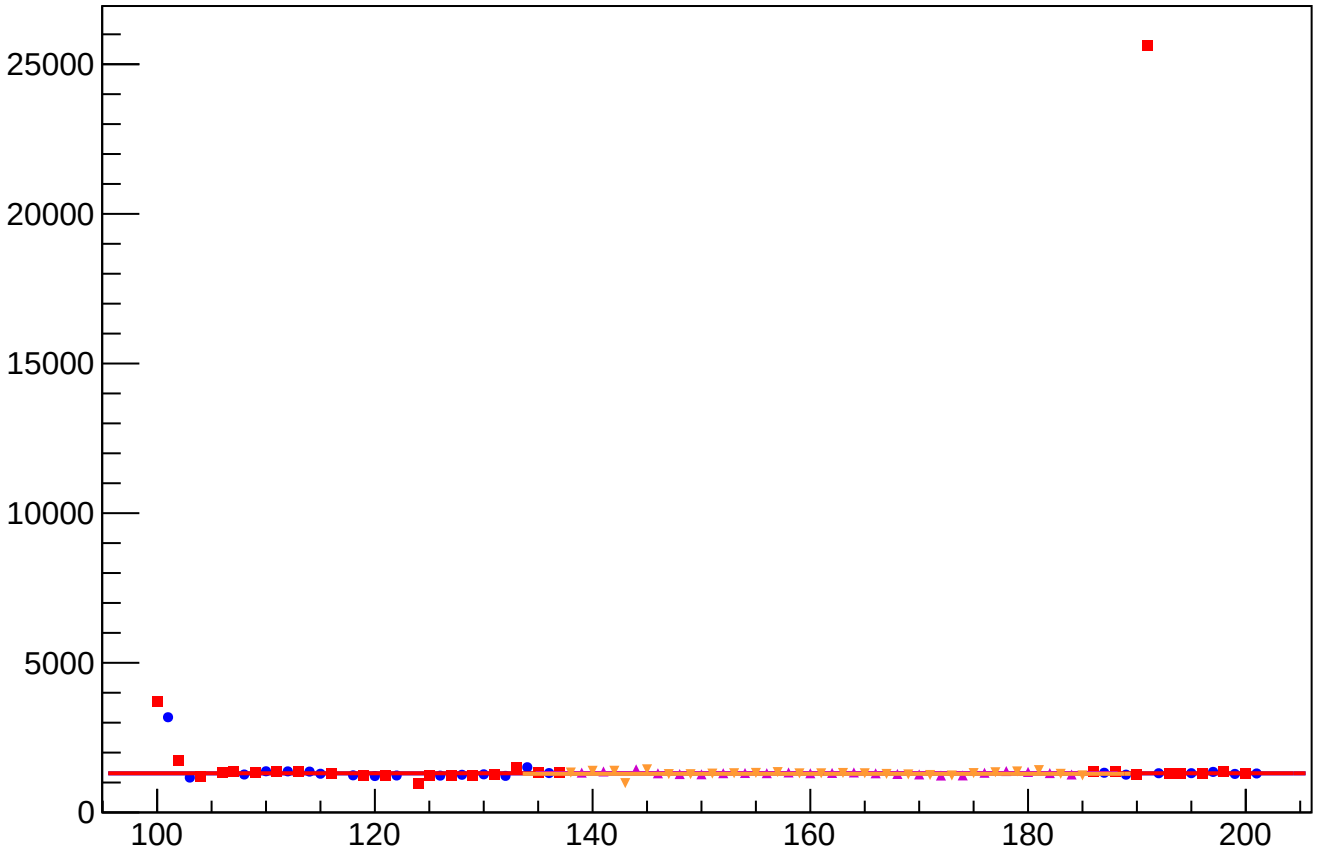
Right Out: -57.922+/-361.960 χ^2/NDF: 24.1/27

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 168.027+/-231.668 χ^2/NDF: 62.7/47

All: 217.772+/-164.685 χ^2/NDF: 105.7/98

- sign 268.589+/-234.153 χ^2/NDF: 42.9/50



Right In: 1305.532+/-0.266 χ^2/NDF: 514612.7/22

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

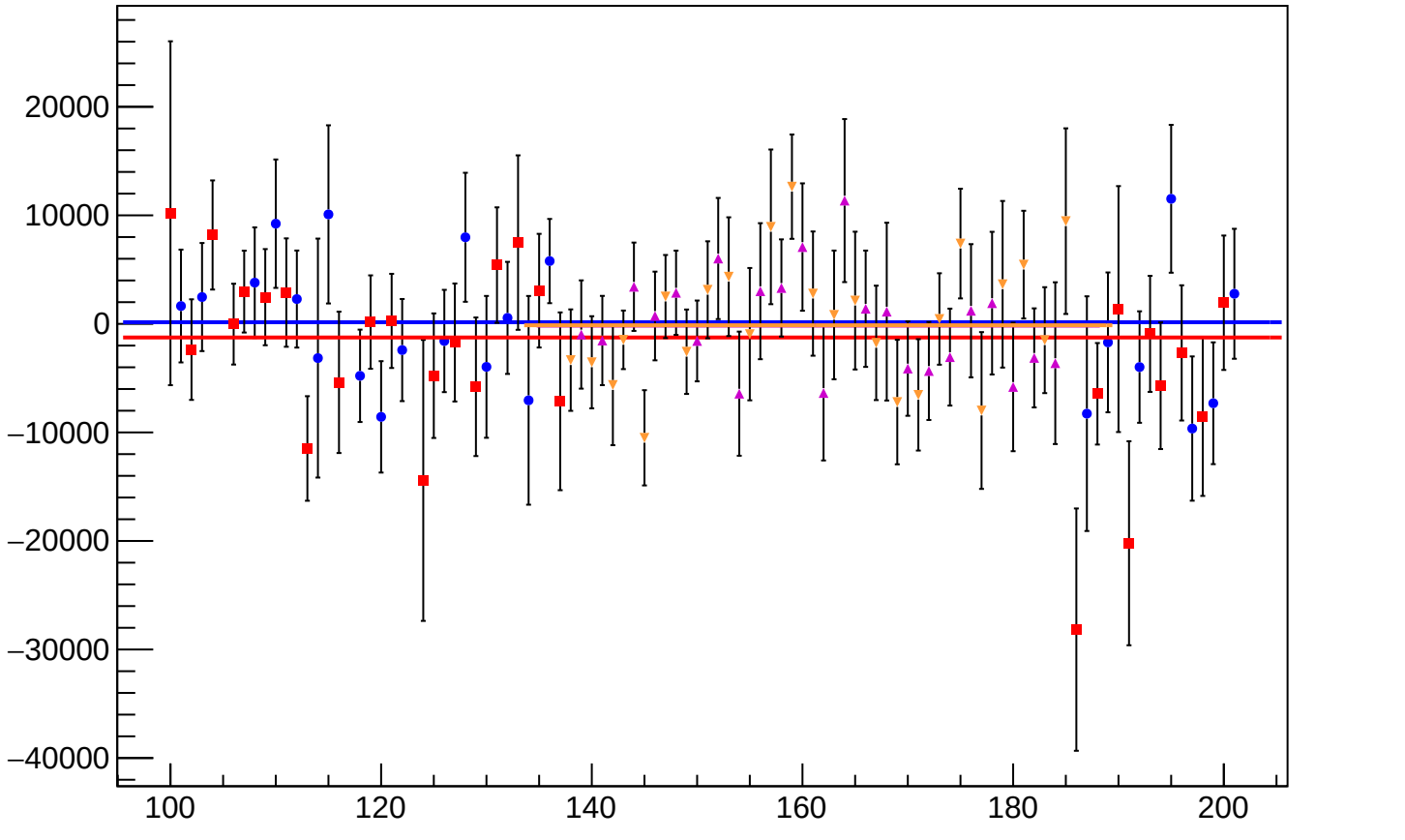
Right Out: 1309.511+/-0.256 χ^2/NDF: 363196.7/27

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.656+/-0.164 χ^2/NDF: 747151.1/47

All: 1304.309+/-0.116 χ^2/NDF: 1157985.7/98

- sign 1312.125+/-0.166 χ^2/NDF: 406423.0/50



Right In: 153.858+/-1160.926 χ^2/NDF: 22.7/22

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

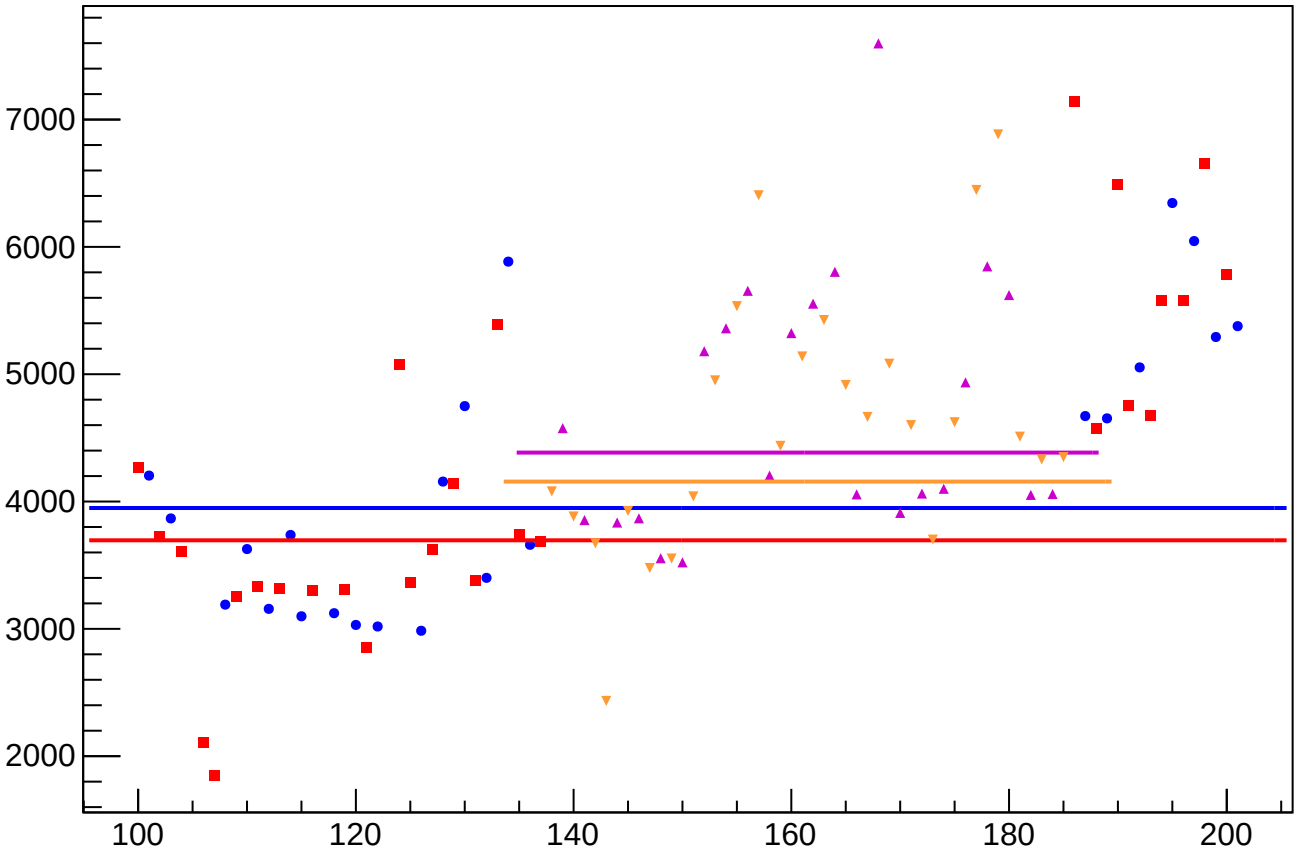
Right Out: -1253.713+/-1052.768 χ^2/NDF: 30.9/27

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -10.682+/-747.619 χ^2/NDF: 51.3/47

All: -359.426+/-526.592 χ^2/NDF: 97.0/98

- sign -702.799+/-741.840 χ^2/NDF: 45.3/50



Right In: 3949.266+/-0.821 χ^2/NDF: 1389439.6/22

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

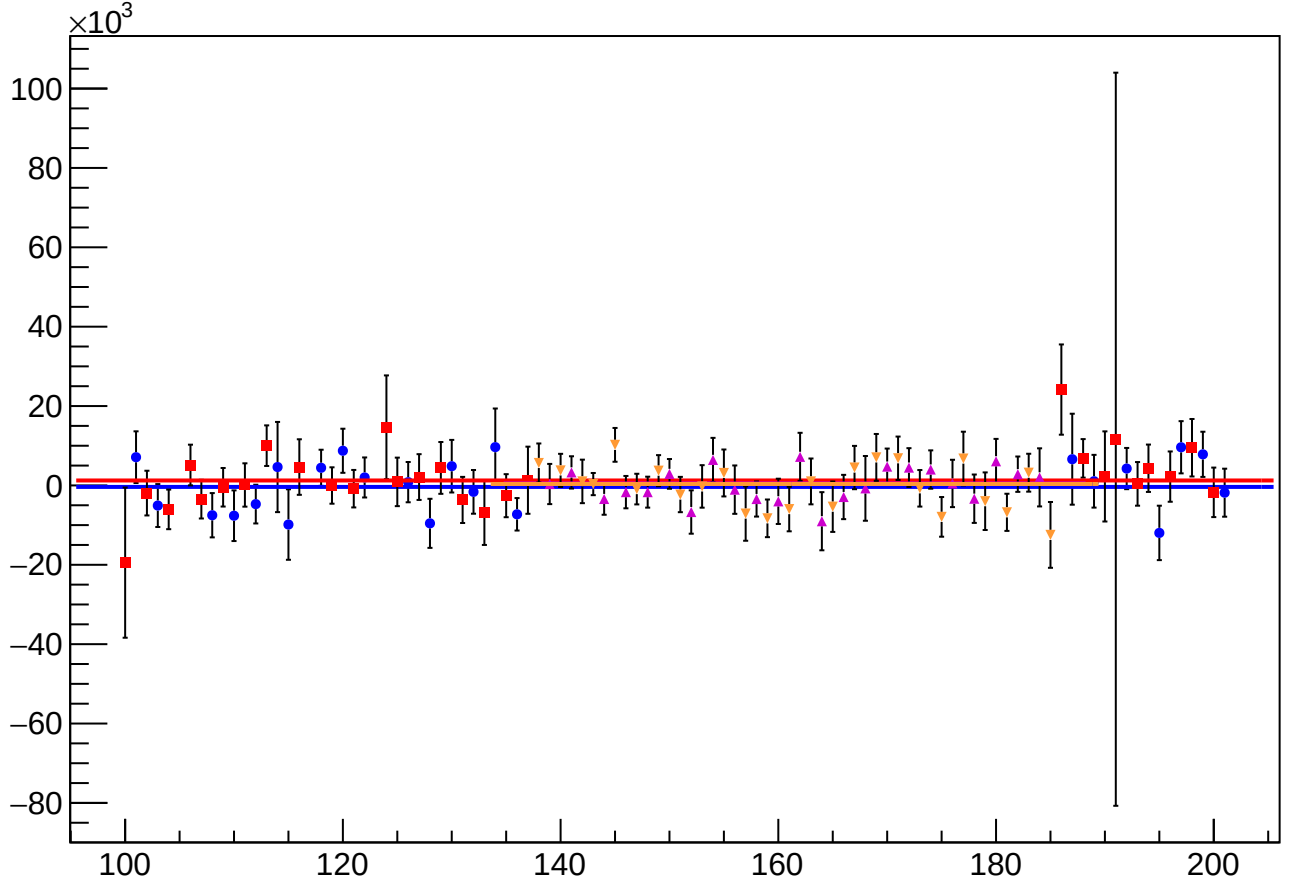
Right Out: 3695.485+/-0.744 χ^2/NDF: 2545757.0/27

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4070.608+/-0.529 χ^2/NDF: 3507540.2/47

All: 4056.339+/-0.372 χ^2/NDF: 7741310.9/98

- sign 4042.289+/-0.525 χ^2/NDF: 4232324.8/50



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: 1246.727+/-1155.430 χ^2/NDF: 19.5/27

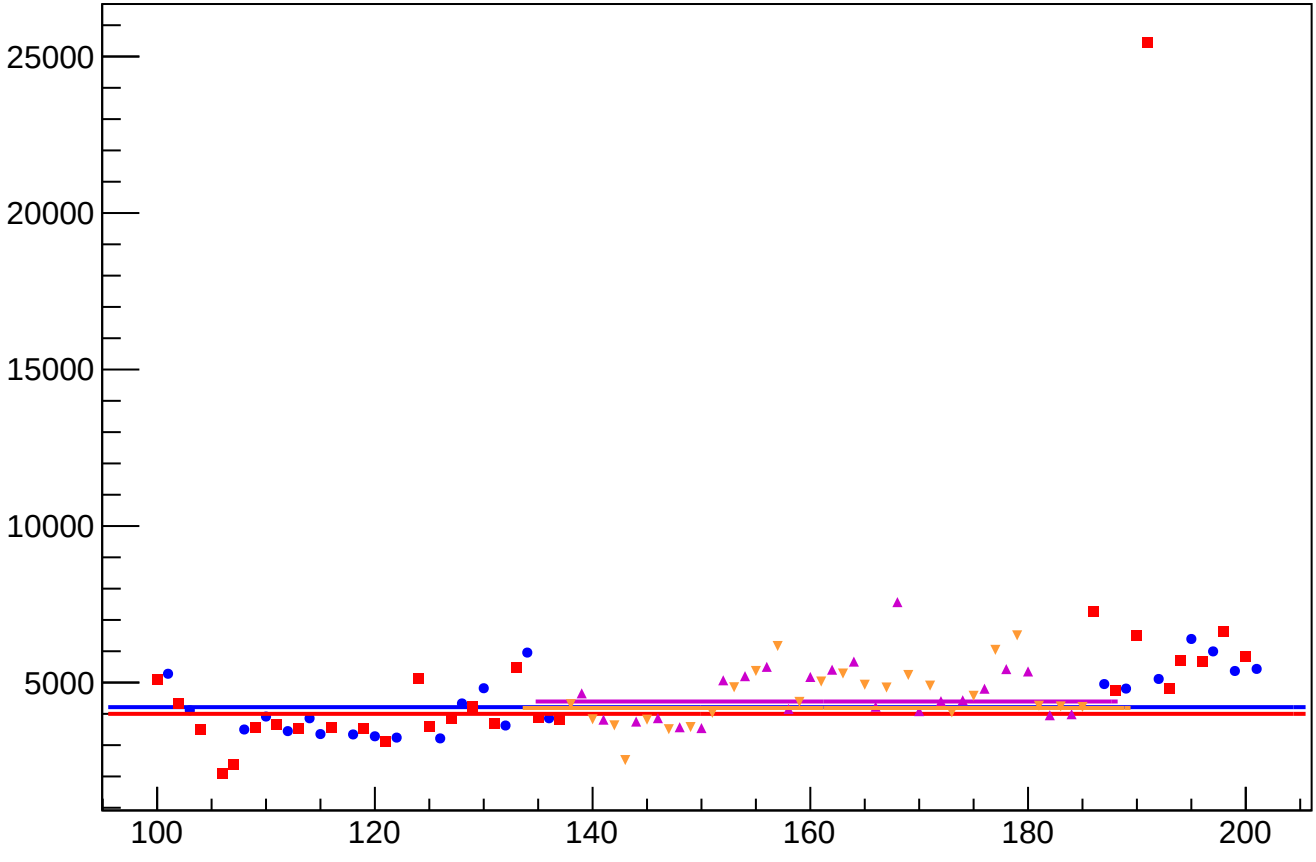
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 76.436+/-767.113 χ^2/NDF: 54.4/47

All: 451.641+/-545.168 χ^2/NDF: 88.5/98

- sign 834.516+/-774.915 χ^2/NDF: 33.6/50

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

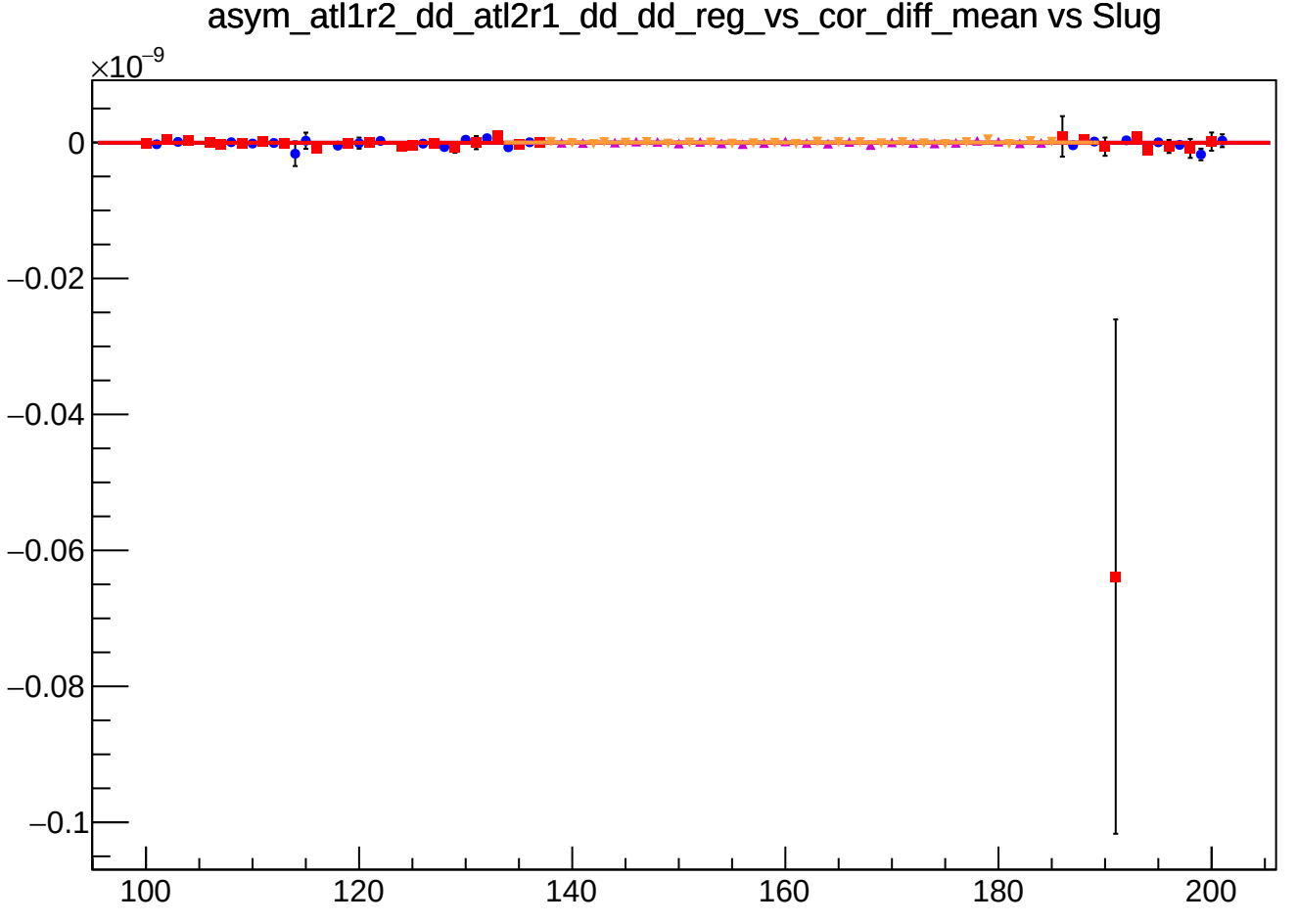
Right Out: 3999.814+/-0.809 χ^2/NDF: 2092827.0/27

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4197.991+/-0.542 χ^2/NDF: 2955675.7/47

All: 4206.379+/-0.385 χ^2/NDF: 6267119.9/98

- sign 4214.859+/-0.545 χ^2/NDF: 3310963.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

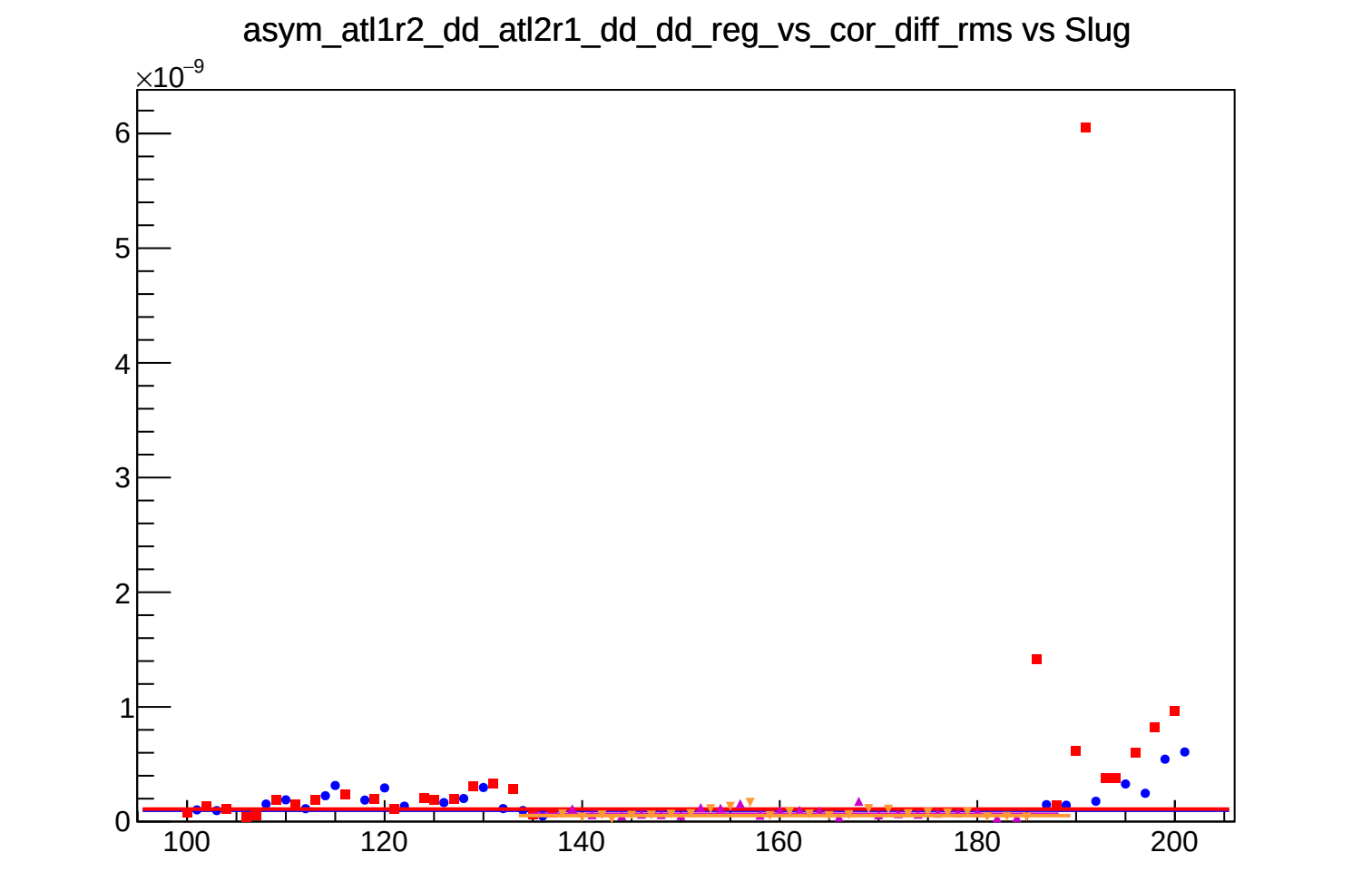
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/27

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: 97.2/98

- sign -0.000+/-0.000 χ^2/NDF: 43.5/50



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: 5105723.8/27

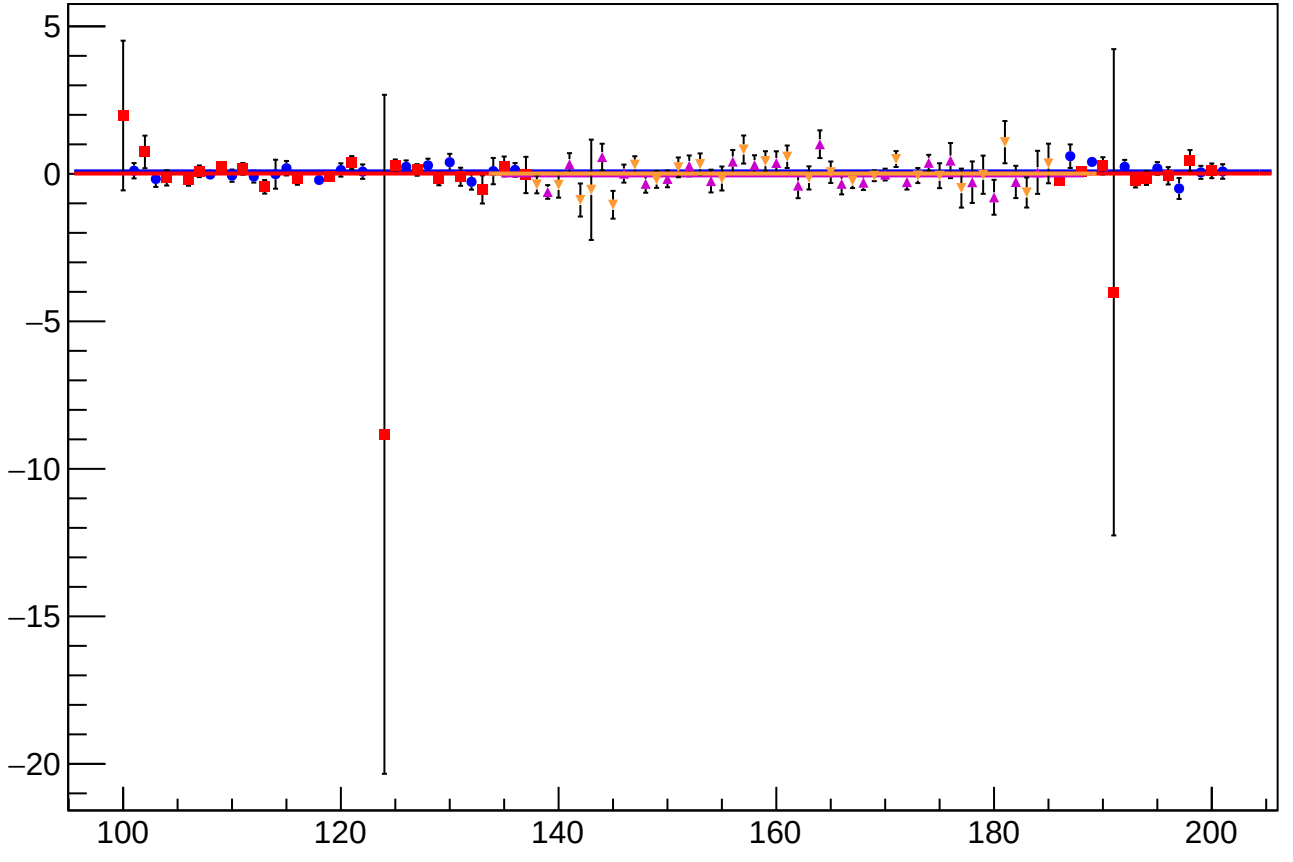
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6907725.5/47

All: 0.000+/-0.000 χ^2/NDF: 14998140.8/98

- sign 0.000+/-0.000 χ^2/NDF: 7822444.8/50

asym_atl1r2_dd_atl2r1_dd_dd_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

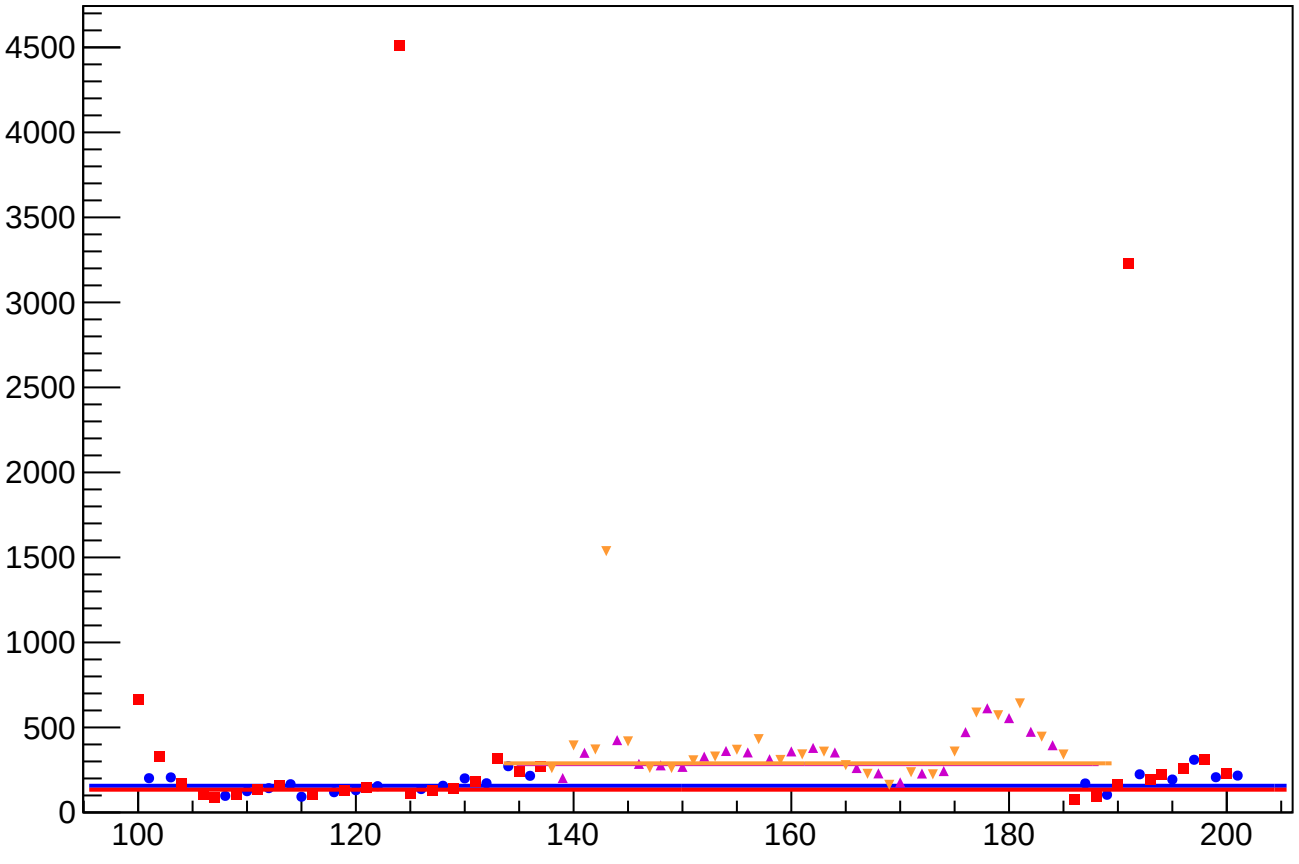
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.024+/-0.027 χ^2/NDF: 108.5/98

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



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: 133.892+/-0.029 χ^2/NDF: 4271318.9/27

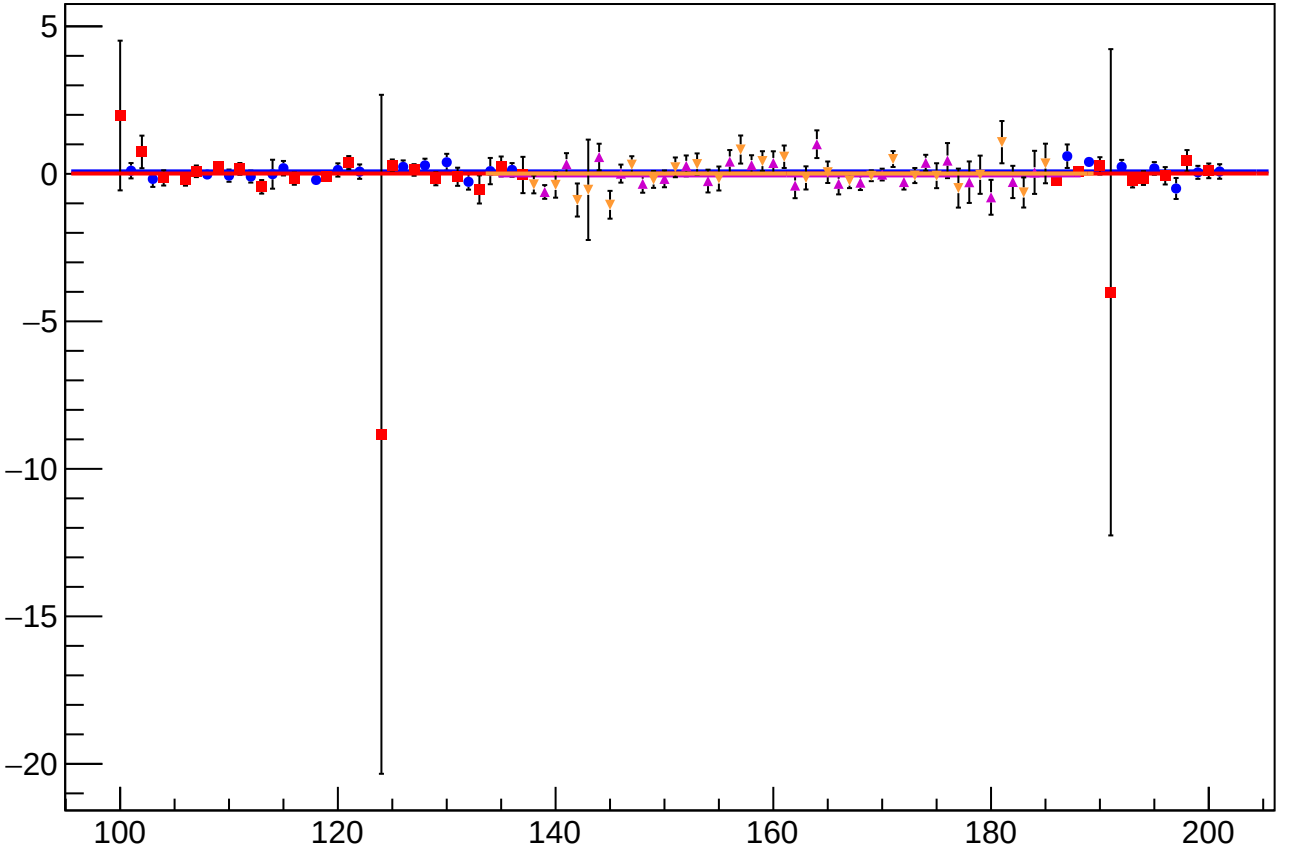
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 198.268+/-0.028 χ^2/NDF: 11517156.9/47

All: 184.017+/-0.019 χ^2/NDF: 26100436.7/98

- sign 172.519+/-0.025 χ^2/NDF: 14118584.0/50

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_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

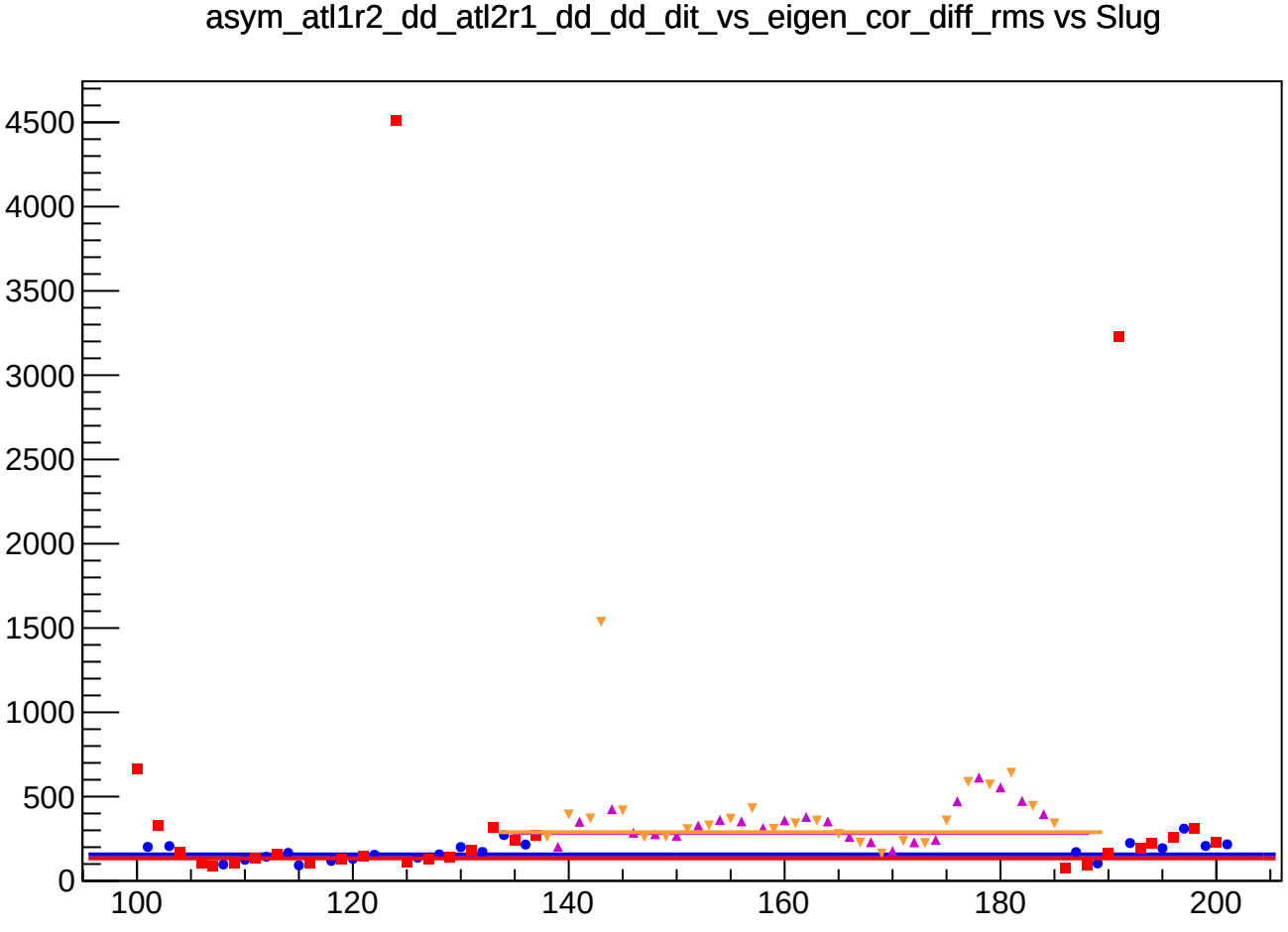
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

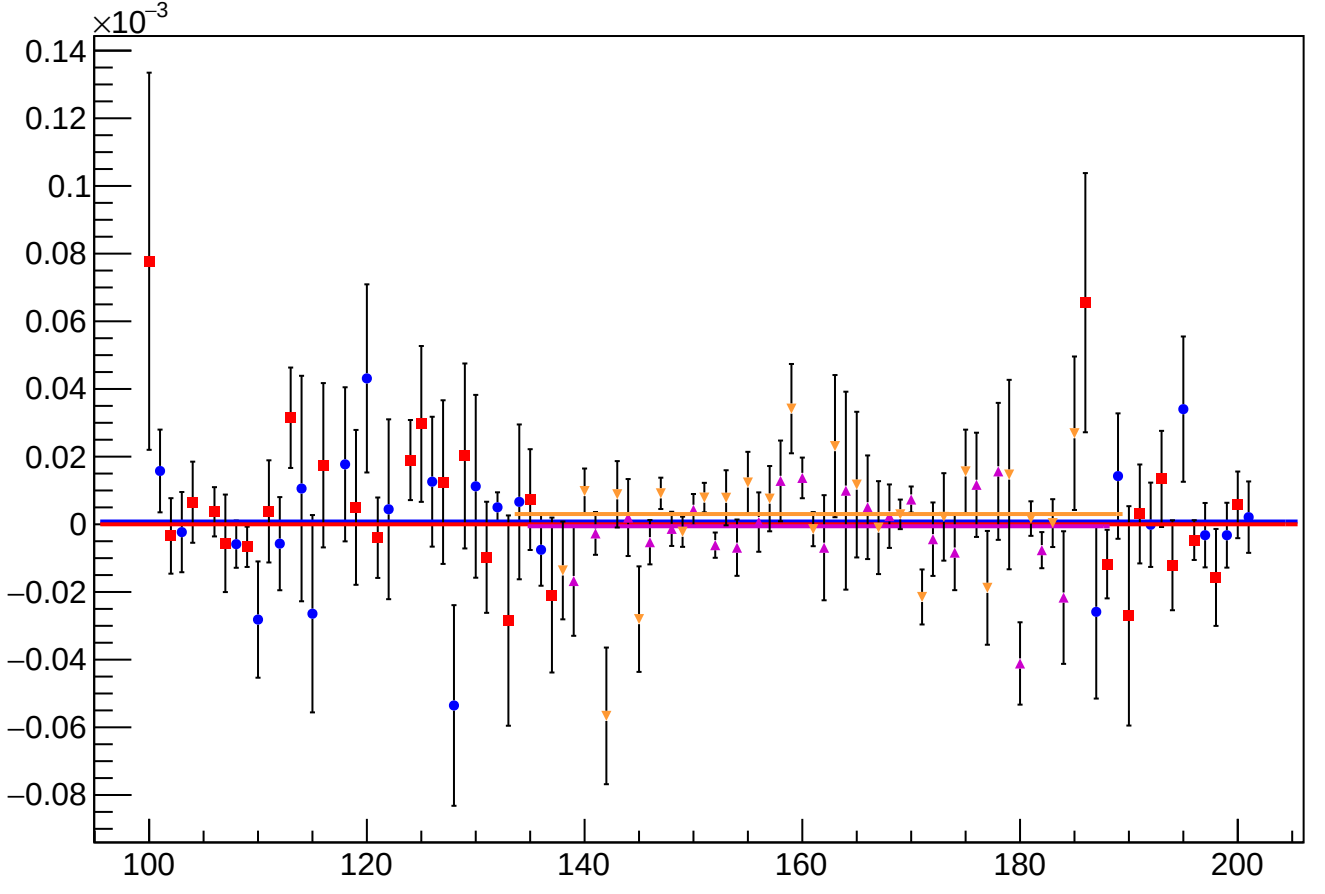
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.024+/-0.027 χ^2/NDF: 108.5/98

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50


asym_atl1r2_dd_atl2r1_dd_dd_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: 156.943+/-0.034 χ²/NDF: 2124556.3/22
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 133.892+/-0.029 χ²/NDF: 4271318.9/27
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 198.268+/-0.028 χ²/NDF: 11517156.9/47
All: 184.017+/-0.019 χ²/NDF: 26100436.7/98
- sign 172.519+/-0.025 χ²/NDF: 14118584.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

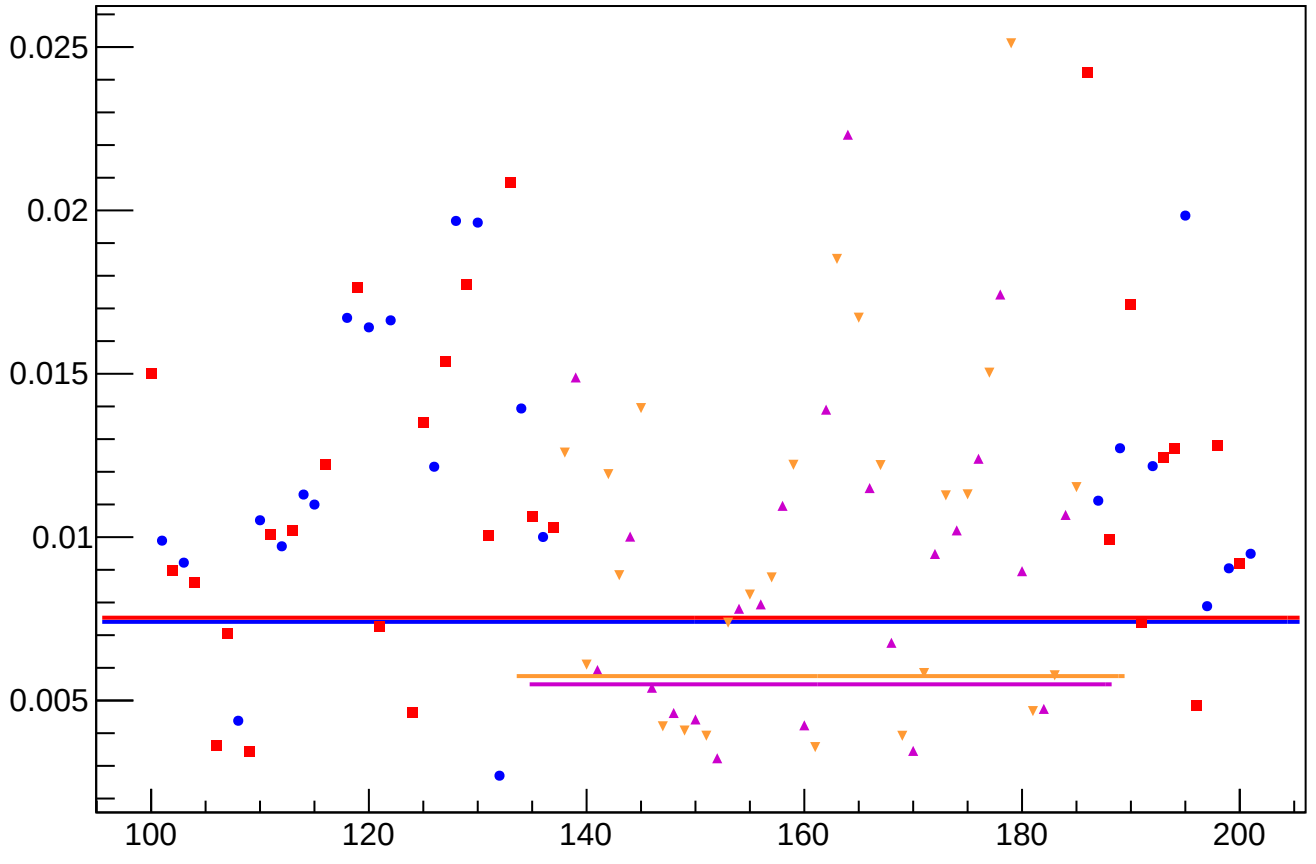
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/27

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: 123.2/98

- sign -0.000+/-0.000 χ^2/NDF: 58.7/50



Right In: 0.007+/-0.000 χ^2/NDF: 6200078.3/22

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

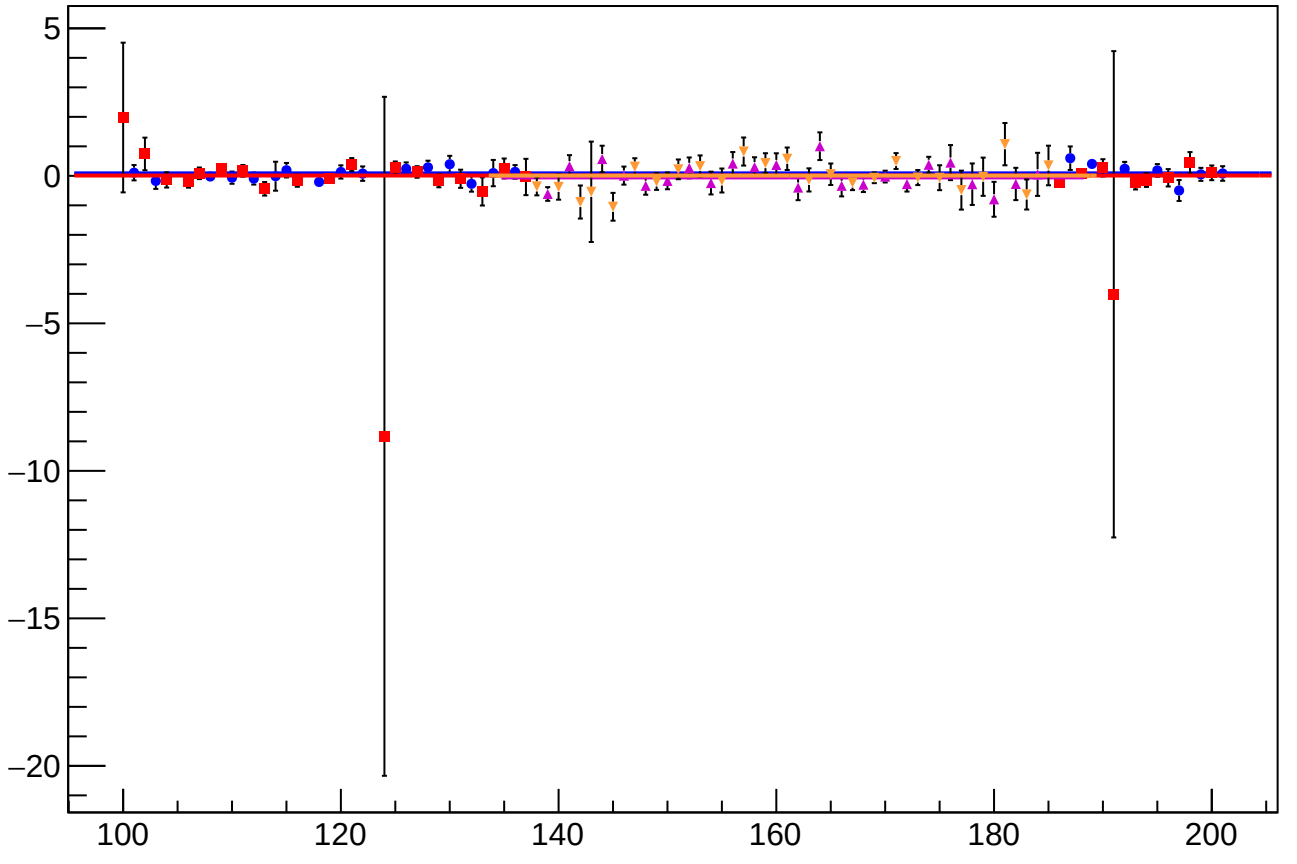
Right Out: 0.008+/-0.000 χ^2/NDF: 5435339.6/27

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: 28416040.9/98

\- sign 0.006+/-0.000 χ^2/NDF: 13435395.8/50



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

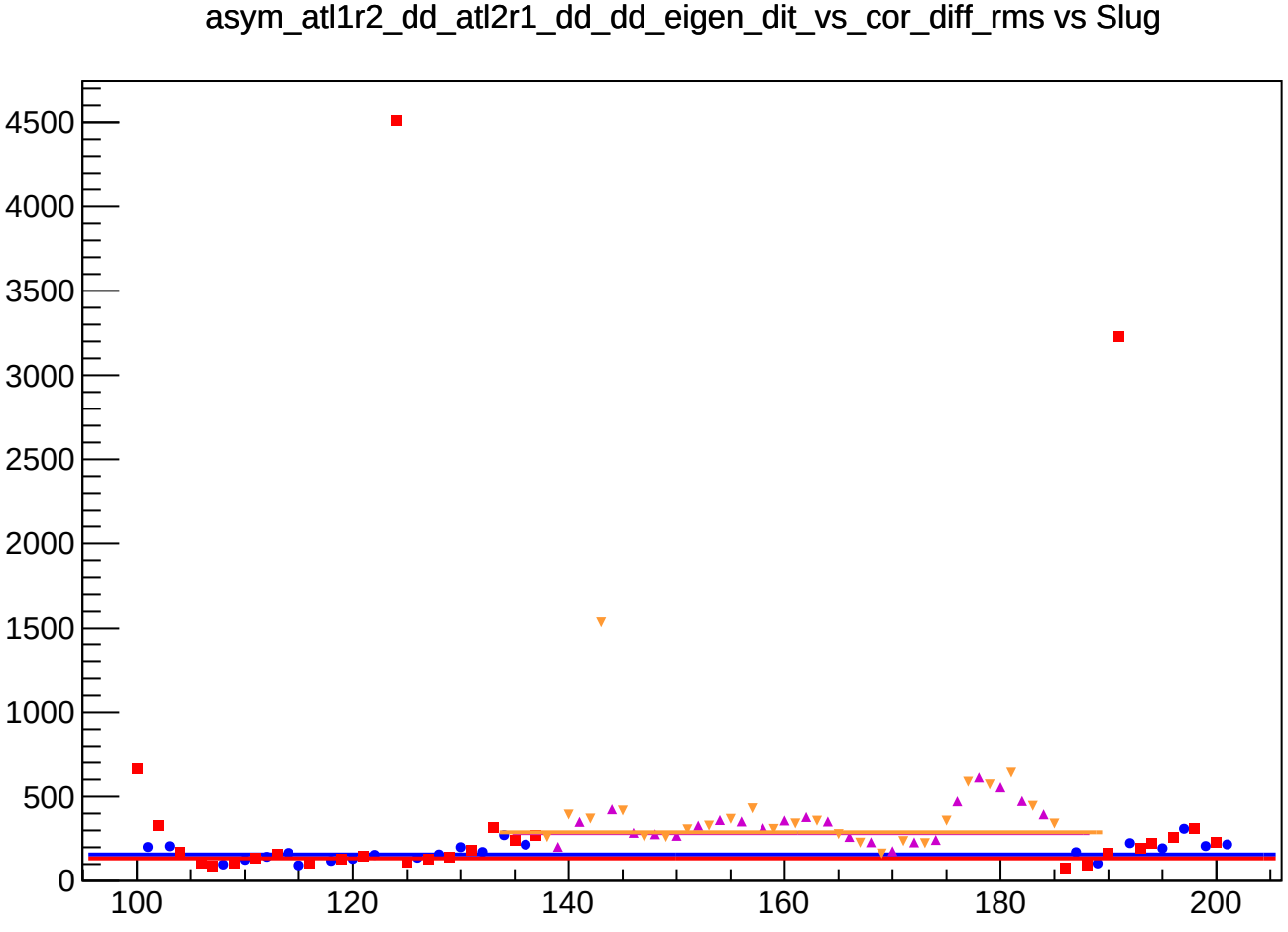
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.024+/-0.027 χ^2/NDF: 108.5/98

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

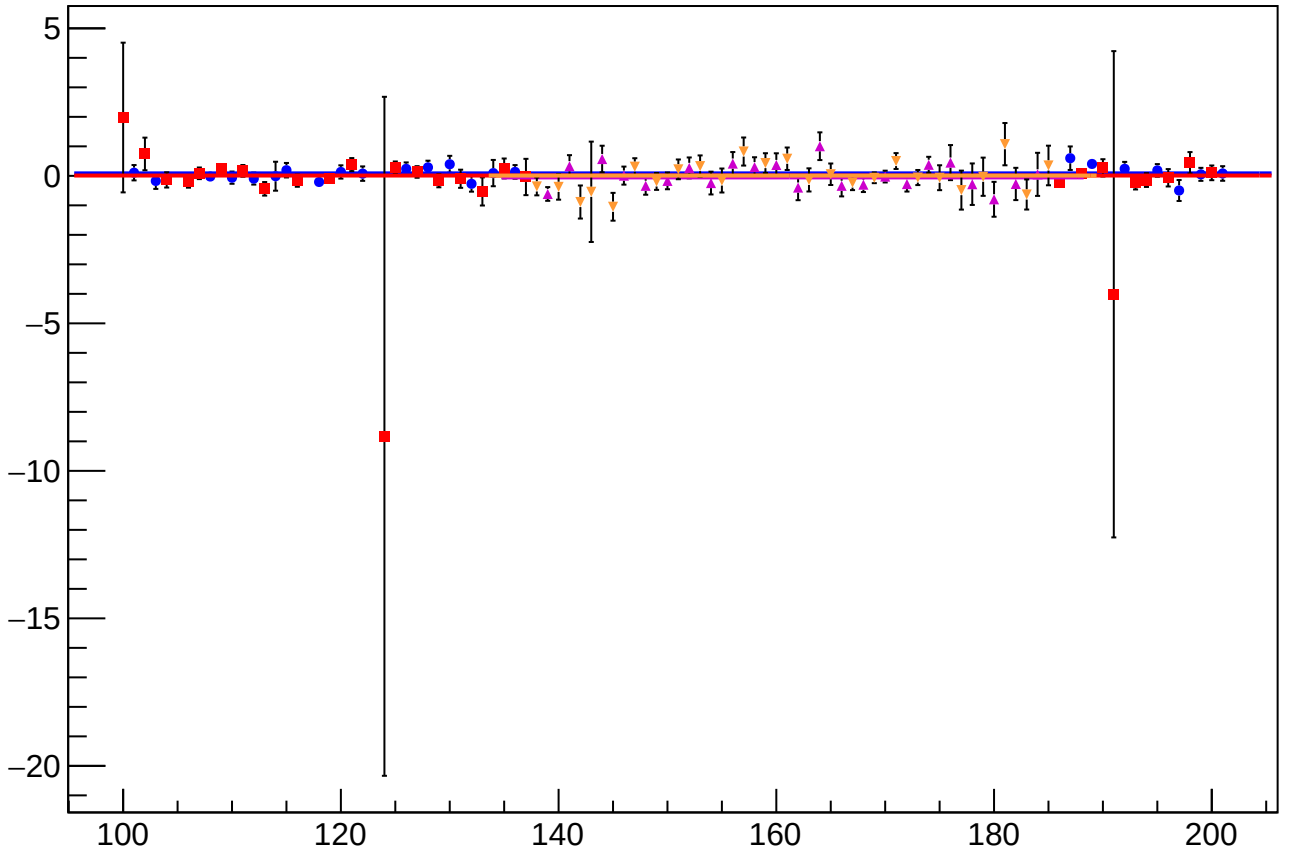
Right Out: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.267+/-0.028 χ^2/NDF: 11517375.6/47

All: 184.018+/-0.019 χ^2/NDF: 26100369.7/98

- sign 172.521+/-0.025 χ^2/NDF: 14118391.2/50



Right In: 0.084+/-0.048 χ^2/NDF: 19.8/22

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

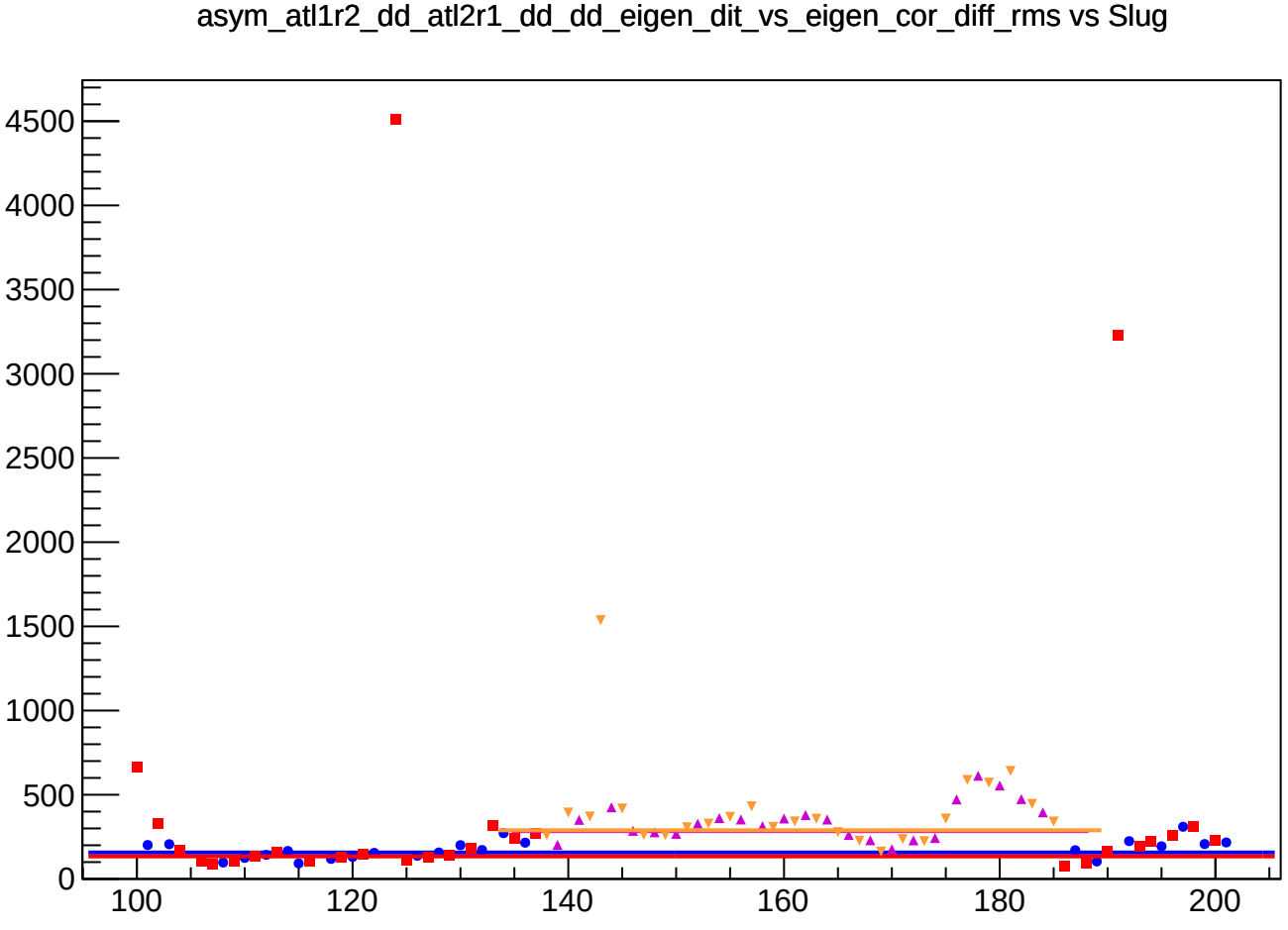
Right Out: 0.011+/-0.041 χ^2/NDF: 29.1/27

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.061+/-0.040 χ^2/NDF: 49.5/47

All: 0.024+/-0.027 χ^2/NDF: 108.5/98

- sign -0.006+/-0.036 χ^2/NDF: 57.5/50



Right In: 156.942+/-0.034 χ^2/NDF: 2124541.8/22

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

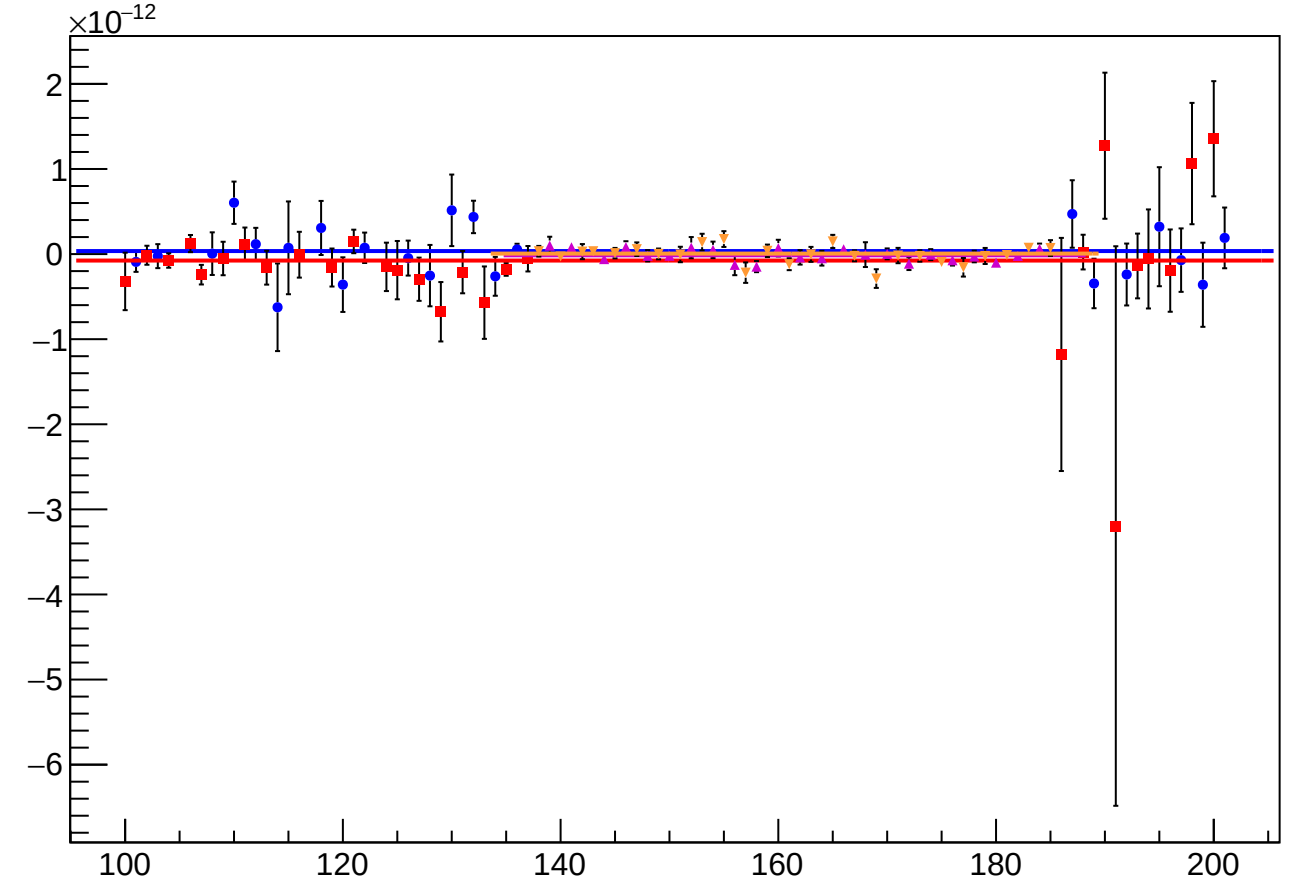
Right Out: 133.893+/-0.029 χ^2/NDF: 4271141.2/27

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 198.267+/-0.028 χ^2/NDF: 11517375.6/47

All: 184.018+/-0.019 χ^2/NDF: 26100369.7/98

- sign 172.521+/-0.025 χ^2/NDF: 14118391.2/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

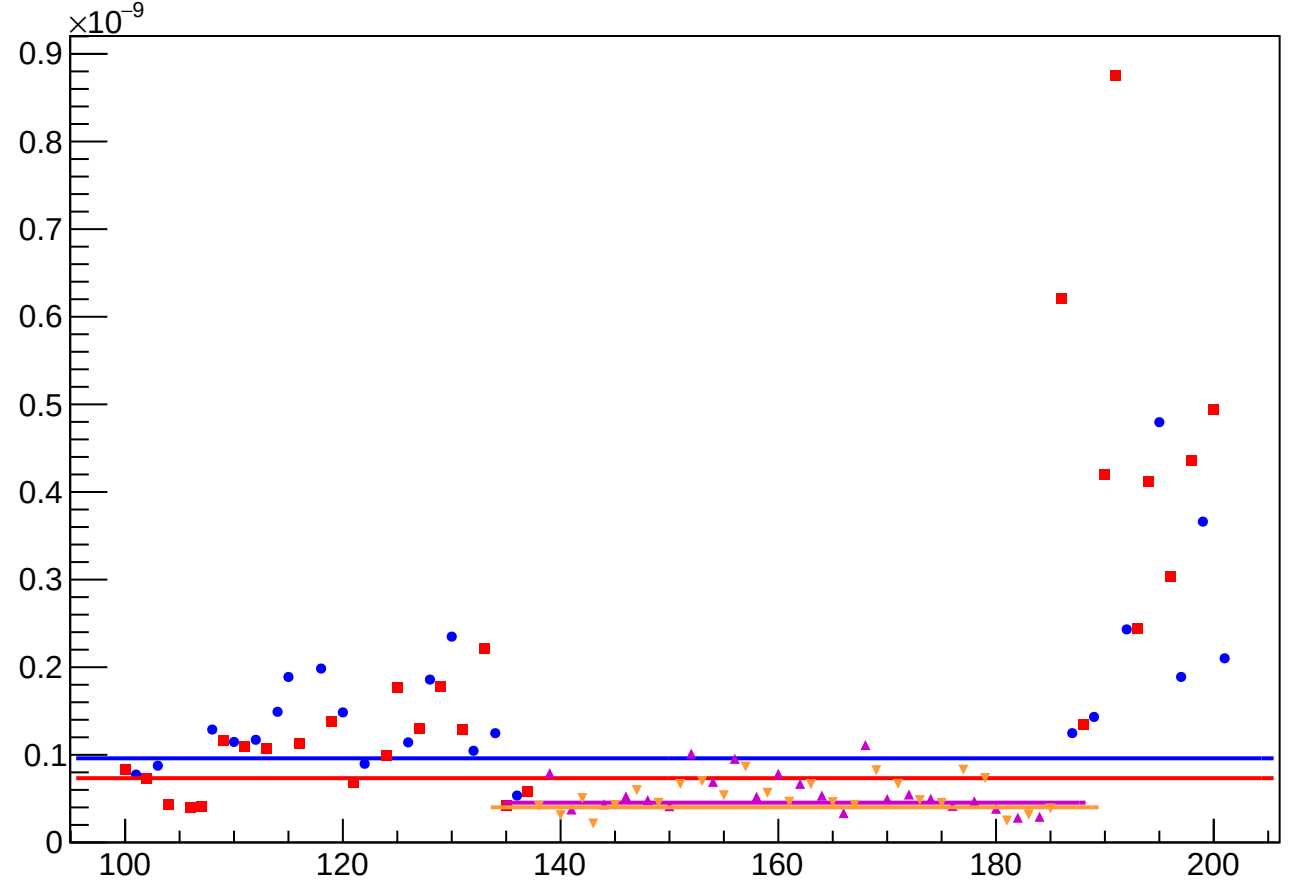
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/27

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: 117.3/98

- sign -0.000+/-0.000 χ^2/NDF: 55.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 3586986.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

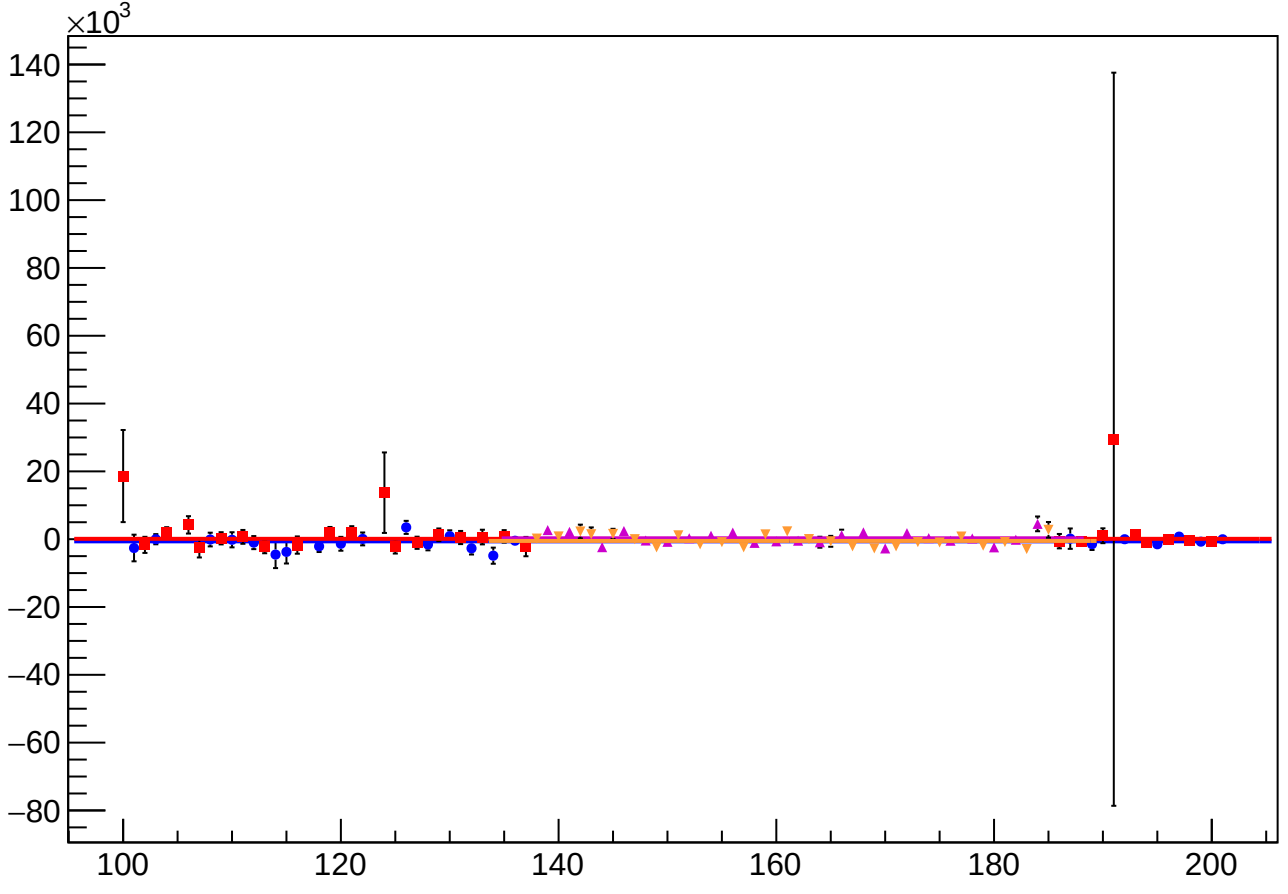
Right Out: 0.000+/-0.000 χ^2/NDF: 6036006.9/27

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: 20776130.2/98

- sign 0.000+/-0.000 χ^2/NDF: 10017365.9/50



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: 104.047+/-358.219 χ^2/NDF: 18.5/27

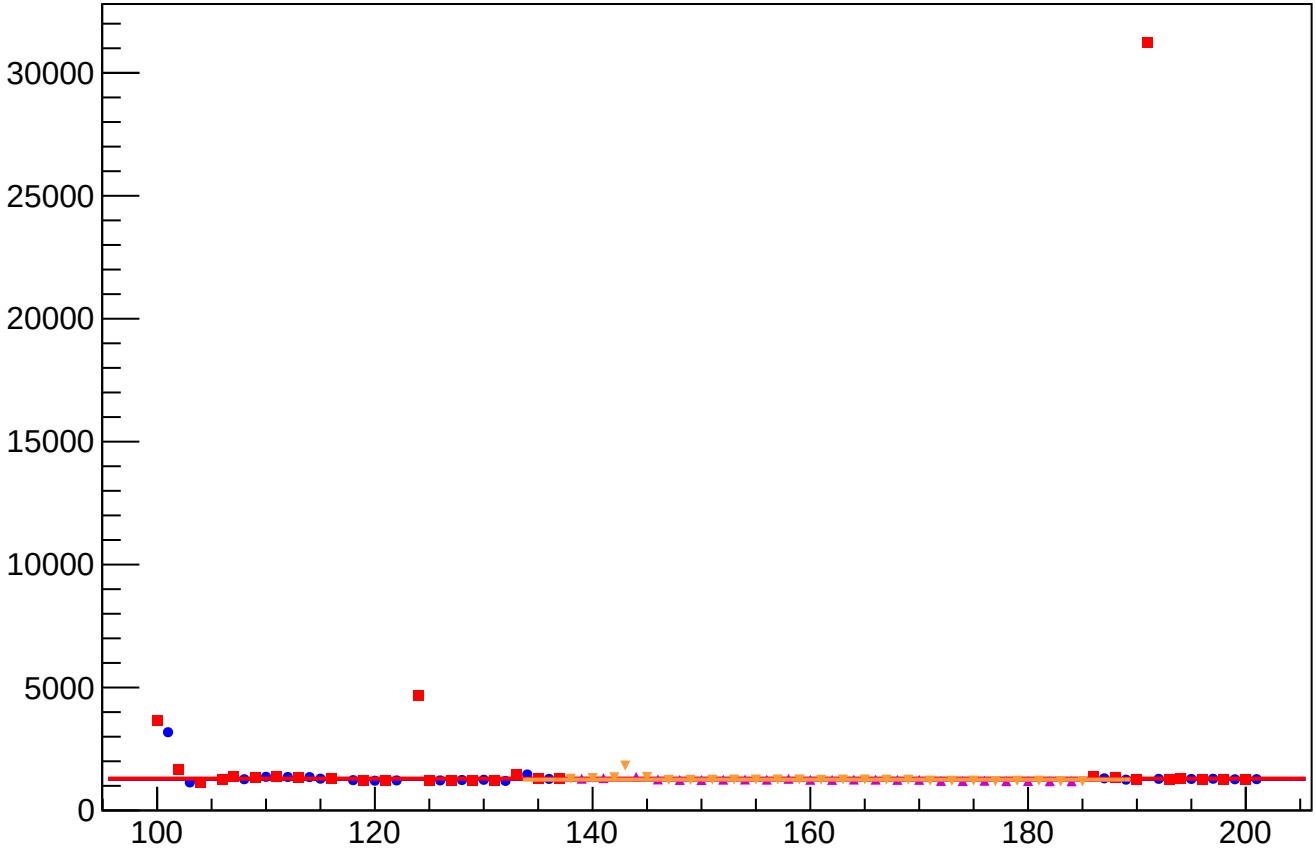
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -560.246+/-226.039 χ^2/NDF: 46.6/47

All: -186.199+/-159.800 χ^2/NDF: 102.7/98

- sign 187.530+/-225.943 χ^2/NDF: 50.6/50

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

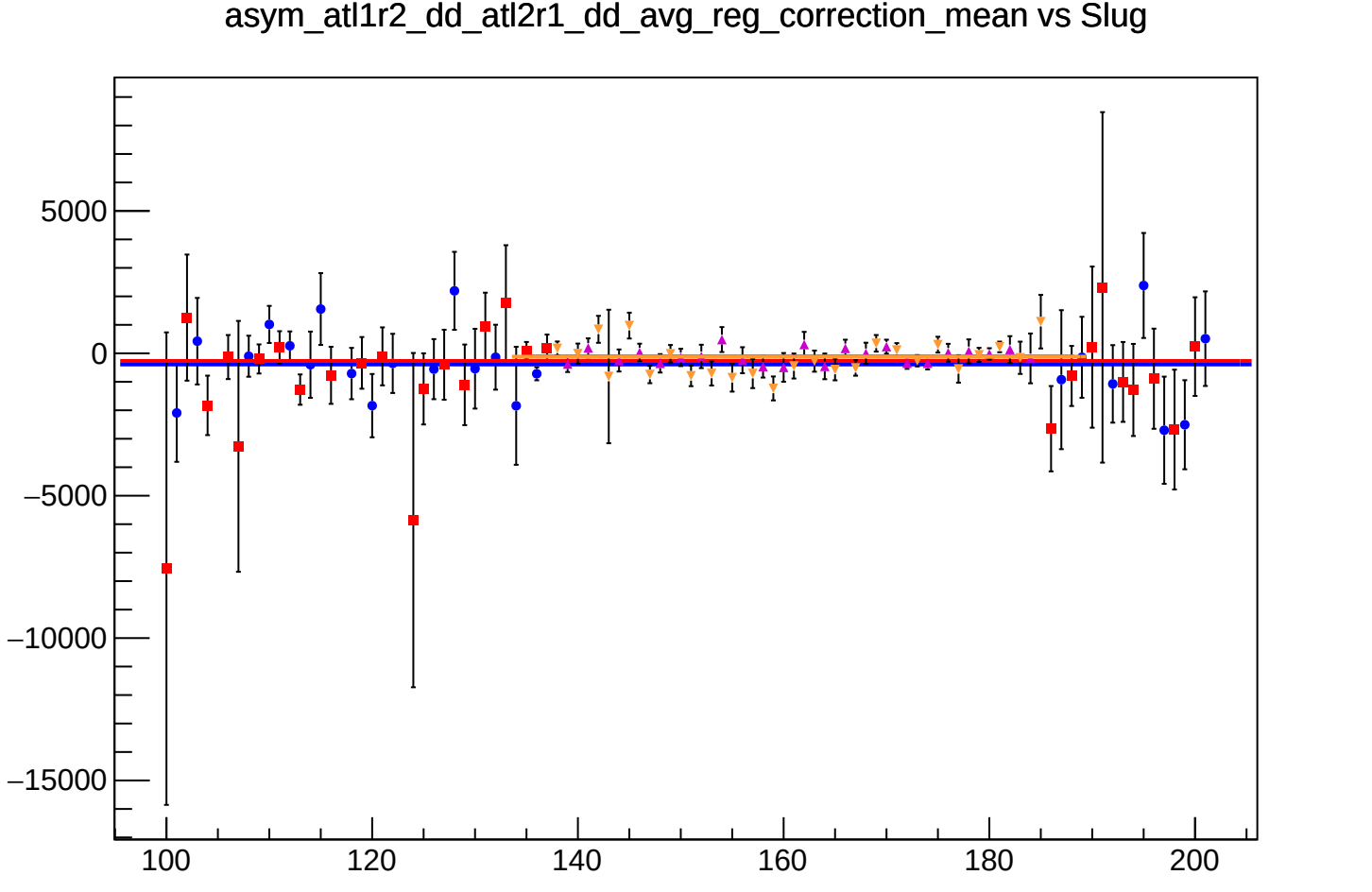
Right Out: 1294.658+/-0.253 χ^2/NDF: 490544.4/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.591+/-0.160 χ^2/NDF: 729127.1/47

All: 1265.581+/-0.113 χ^2/NDF: 1281426.4/98

- sign 1265.571+/-0.160 χ^2/NDF: 552299.3/50



Right In: -392.238+/-162.445 χ^2/NDF: 24.4/22

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

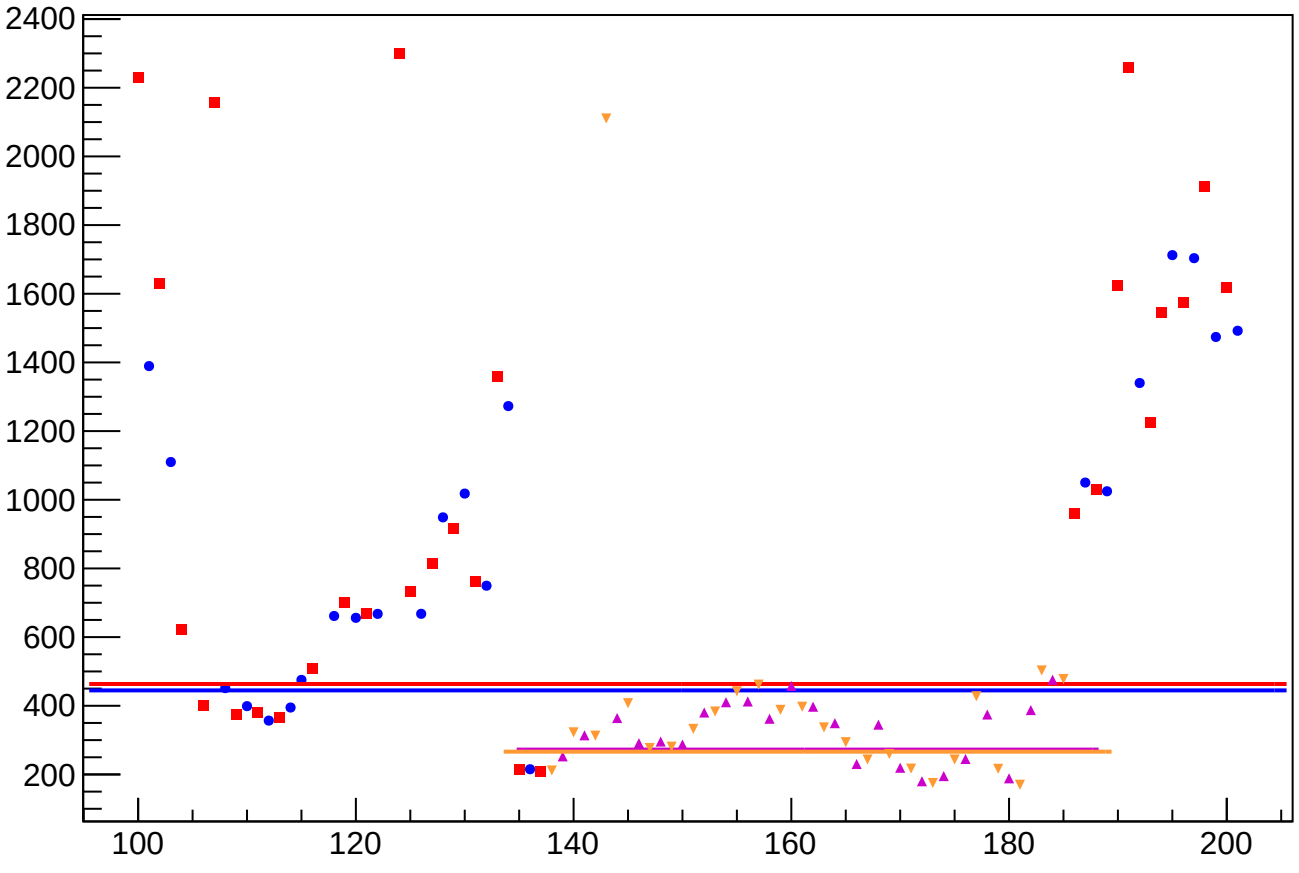
Right Out: -267.969+/-162.126 χ^2/NDF: 20.0/27

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -155.070+/-60.395 χ^2/NDF: 75.3/47

All: -143.225+/-43.235 χ^2/NDF: 110.0/98

- sign -130.773+/-61.921 χ^2/NDF: 34.6/50



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: 463.469+/-0.115 χ^2/NDF: 9928945.9/27

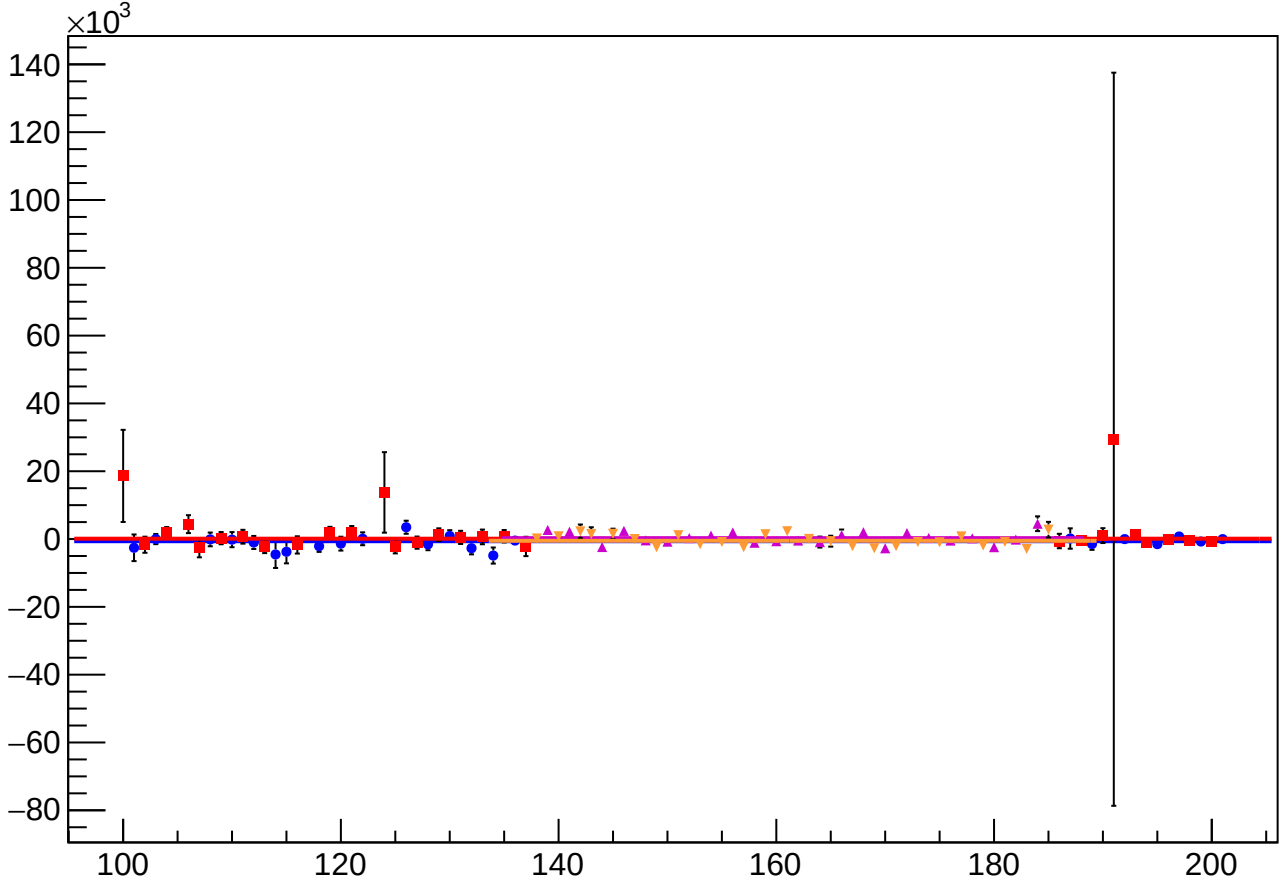
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 290.994+/-0.043 χ^2/NDF: 16050848.0/47

All: 295.504+/-0.031 χ^2/NDF: 31263913.6/98

- sign 300.245+/-0.044 χ^2/NDF: 15190190.5/50

cor_asym_atl1r2_dd_atl2r1_dd_avg_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: 102.318+/-358.428 χ^2/NDF: 18.6/27

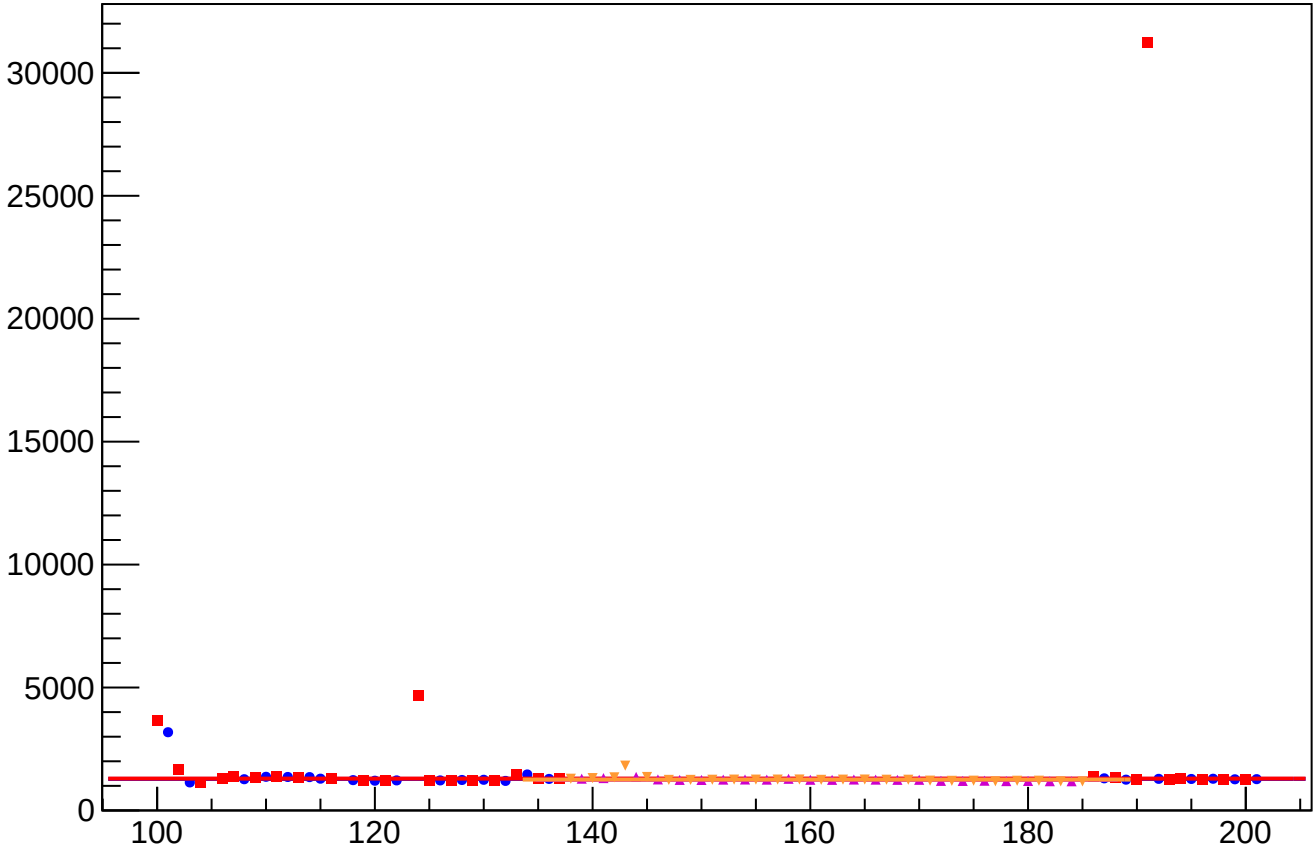
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -560.142+/-226.039 χ^2/NDF: 46.6/47

All: -186.565+/-159.819 χ^2/NDF: 102.8/98

- sign 186.868+/-225.996 χ^2/NDF: 50.7/50

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

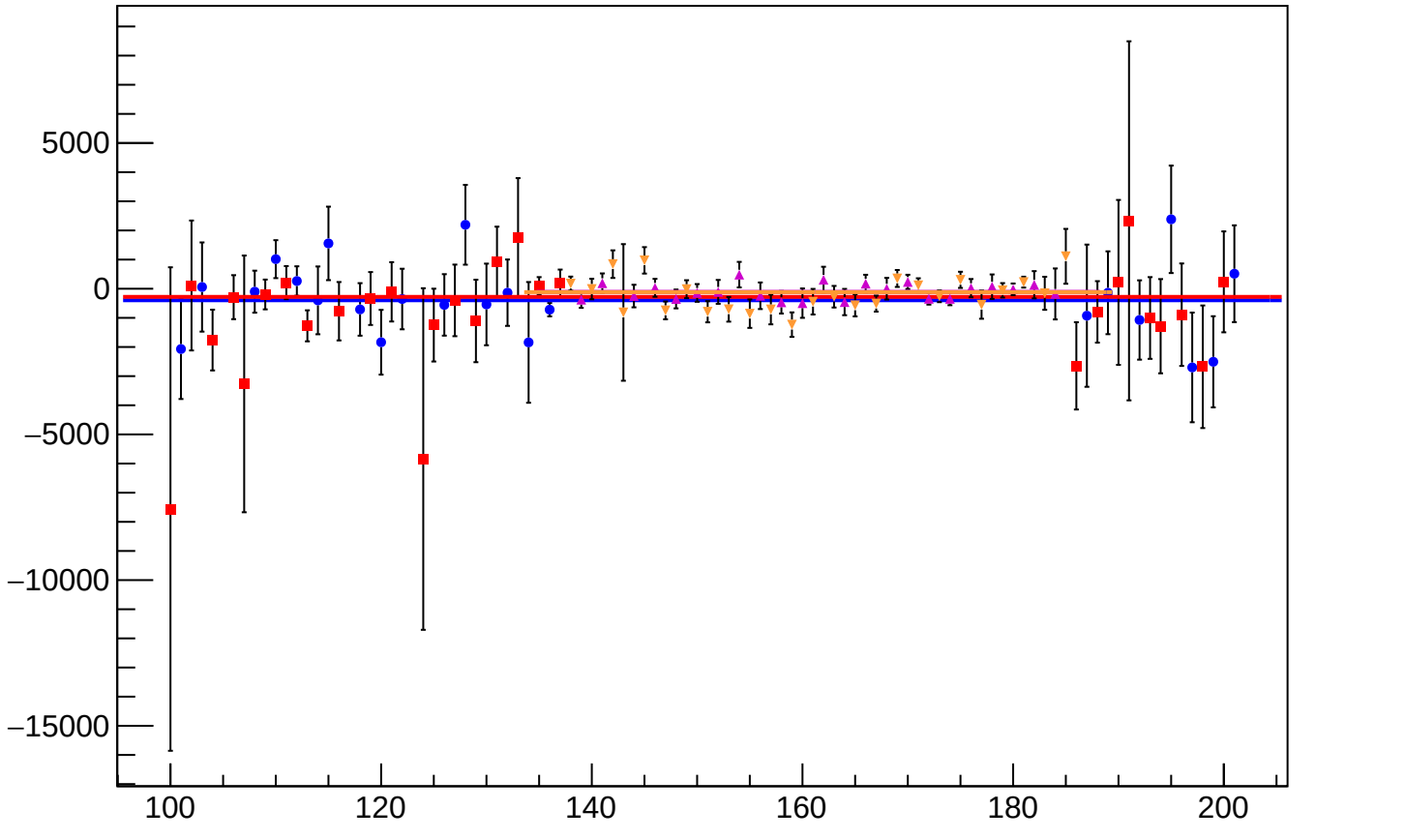
Right Out: 1295.444+/-0.253 χ^2/NDF: 490255.8/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.590+/-0.160 χ^2/NDF: 729128.4/47

All: 1265.730+/-0.113 χ^2/NDF: 1281843.9/98

- sign 1265.870+/-0.160 χ^2/NDF: 552713.9/50



Right In: -396.395+/-162.462 χ^2/NDF: 24.2/22

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

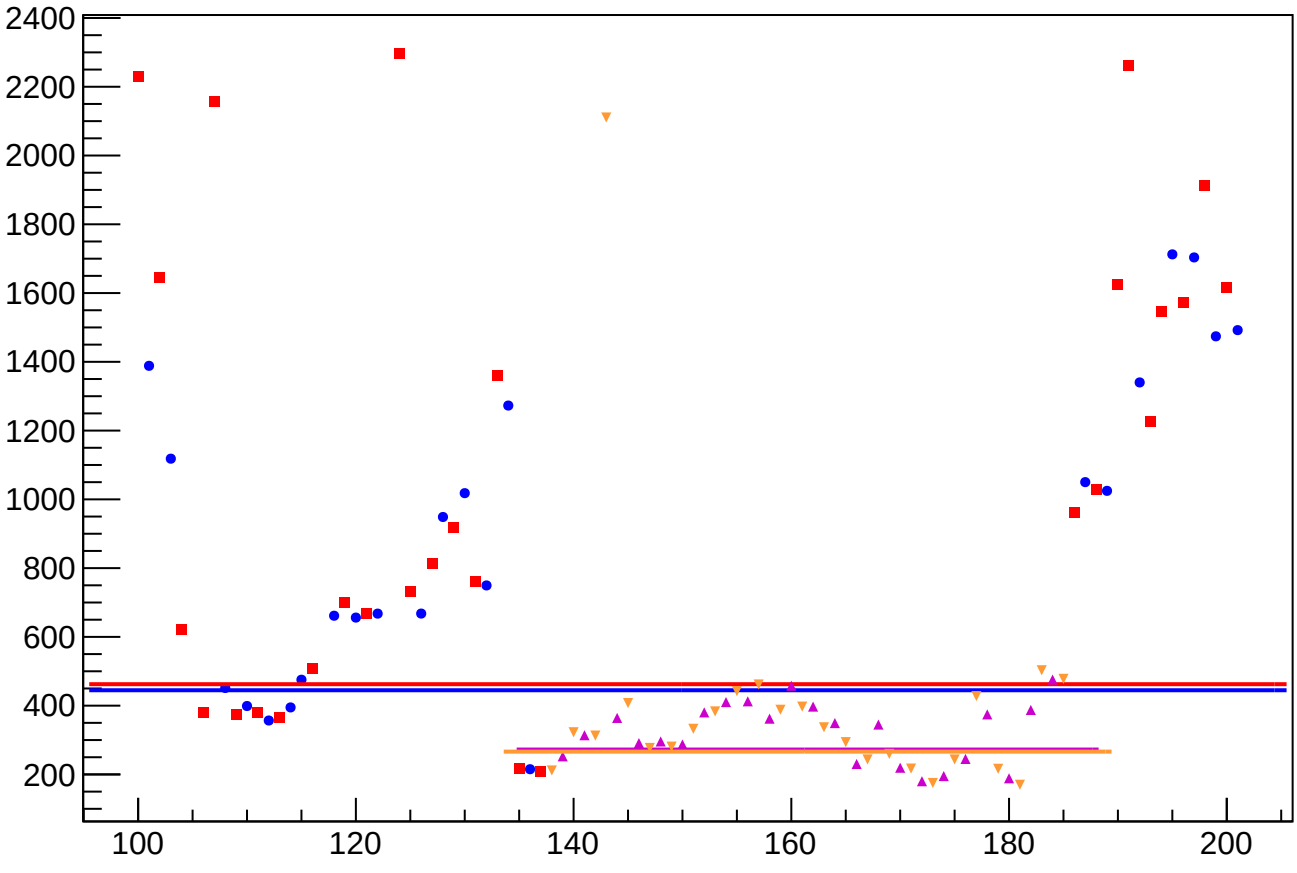
Right Out: -279.869+/-161.953 χ^2/NDF: 19.4/27

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -155.616+/-60.397 χ^2/NDF: 75.2/47

All: -144.421+/-43.233 χ^2/NDF: 109.3/98

- sign -132.656+/-61.913 χ^2/NDF: 34.1/50



Right In: 444.824+/-0.115 χ^2/NDF: 9342865.2/22

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

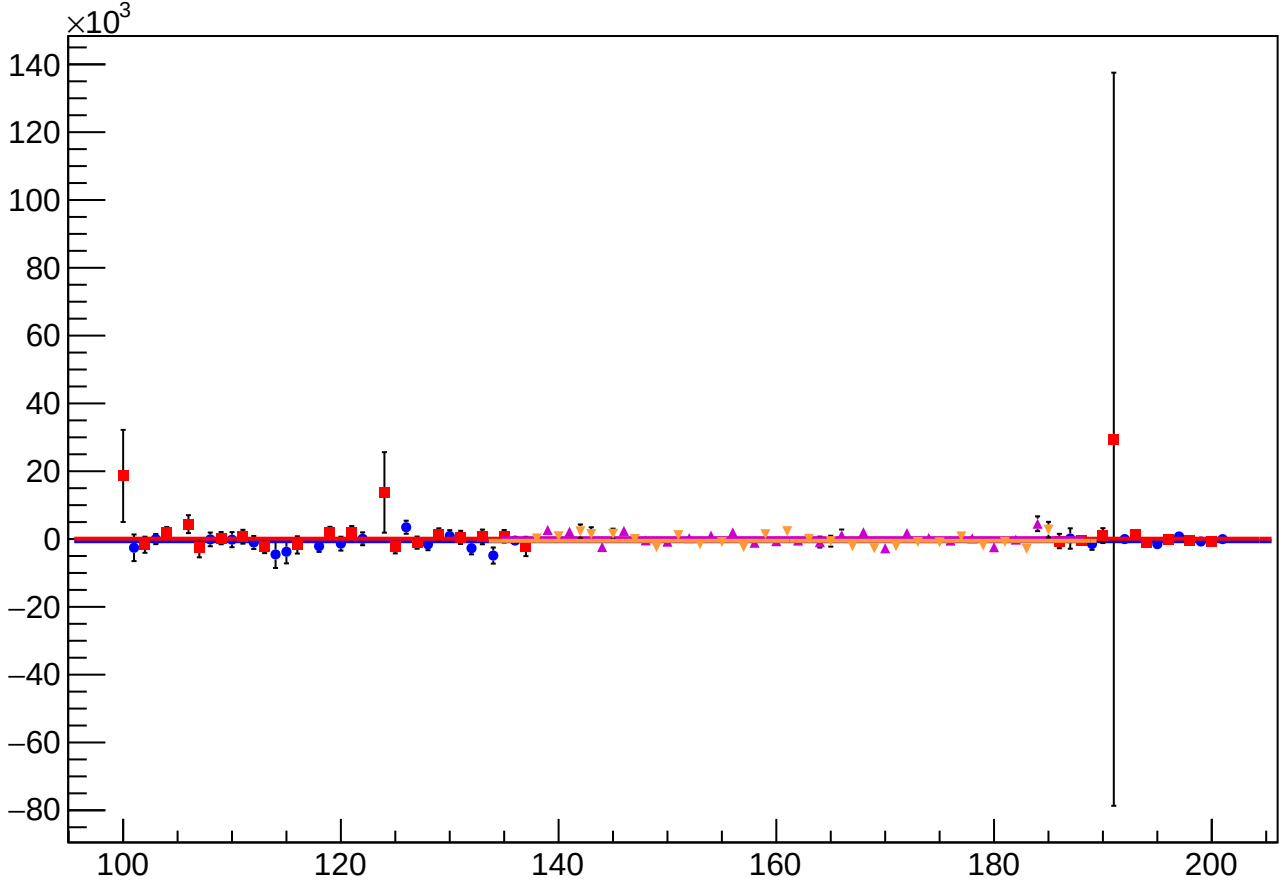
Right Out: 462.439+/-0.115 χ^2/NDF: 9946092.5/27

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 290.996+/-0.043 χ^2/NDF: 16053661.2/47

All: 295.462+/-0.031 χ^2/NDF: 31261708.7/98

- sign 300.155+/-0.044 χ^2/NDF: 15185622.9/50



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: 102.318+/-358.428 χ^2/NDF: 18.6/27

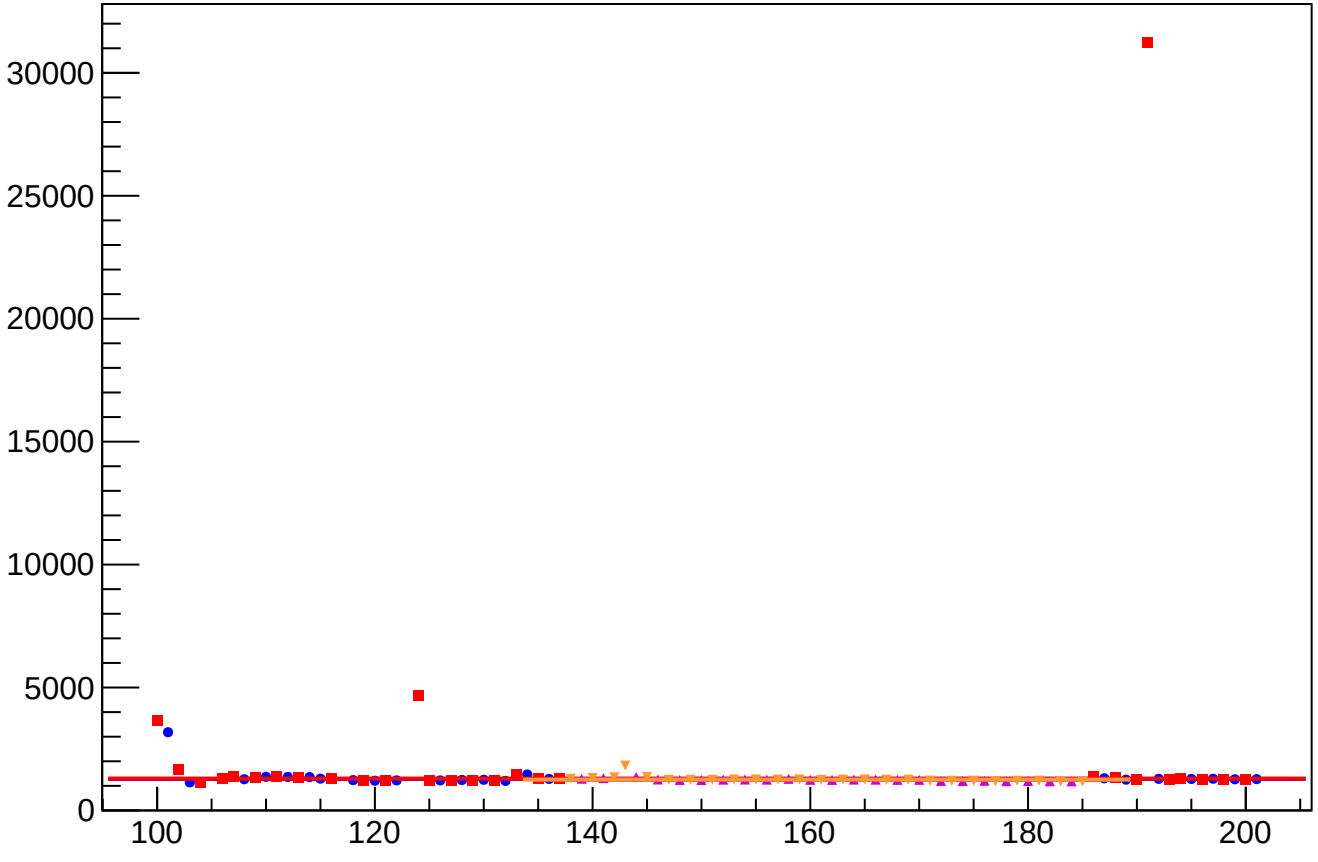
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -560.142+/-226.039 χ^2/NDF: 46.6/47

All: -186.565+/-159.819 χ^2/NDF: 102.8/98

- sign 186.868+/-225.996 χ^2/NDF: 50.7/50

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

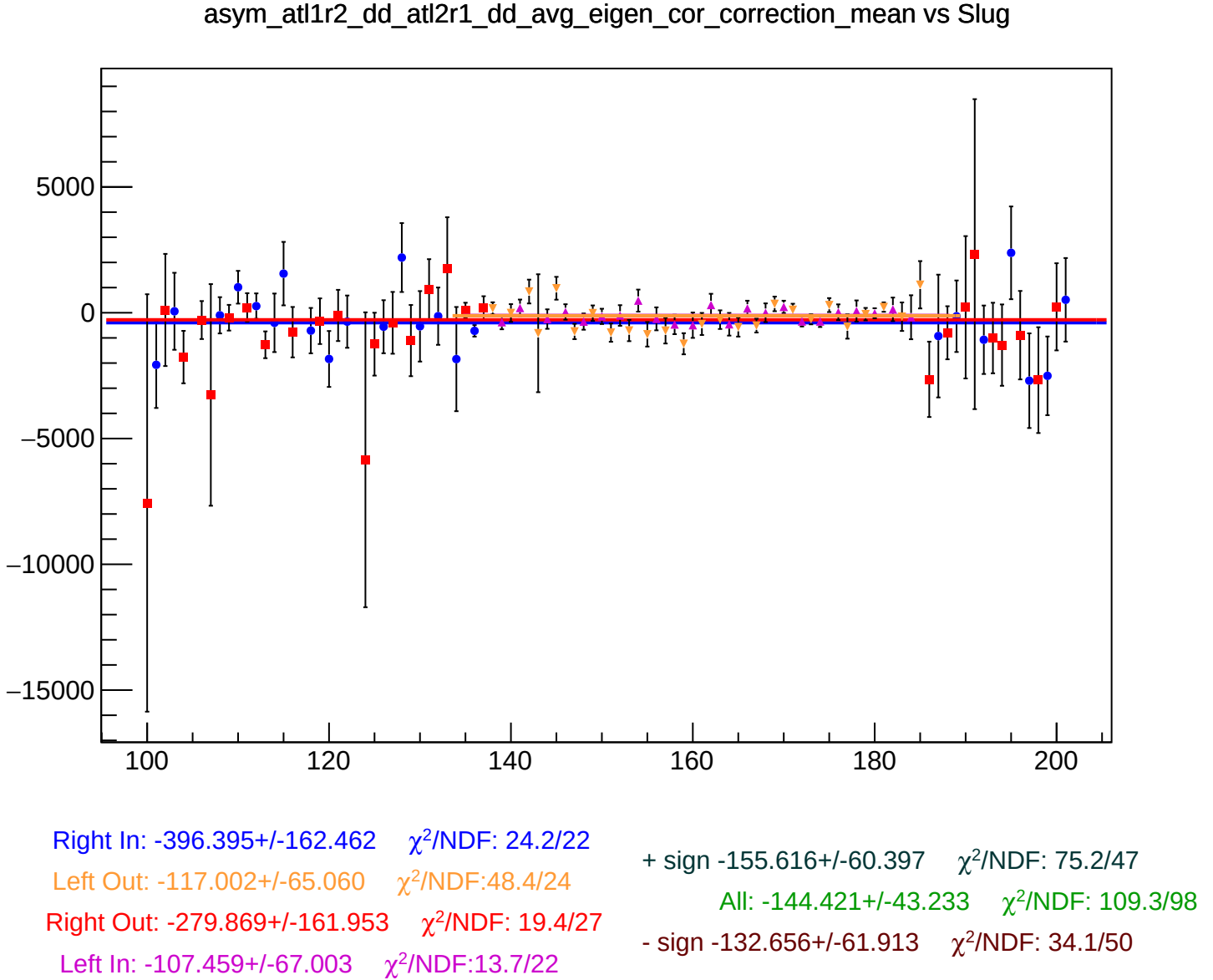
Right Out: 1295.444+/-0.253 χ^2/NDF: 490255.8/27

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

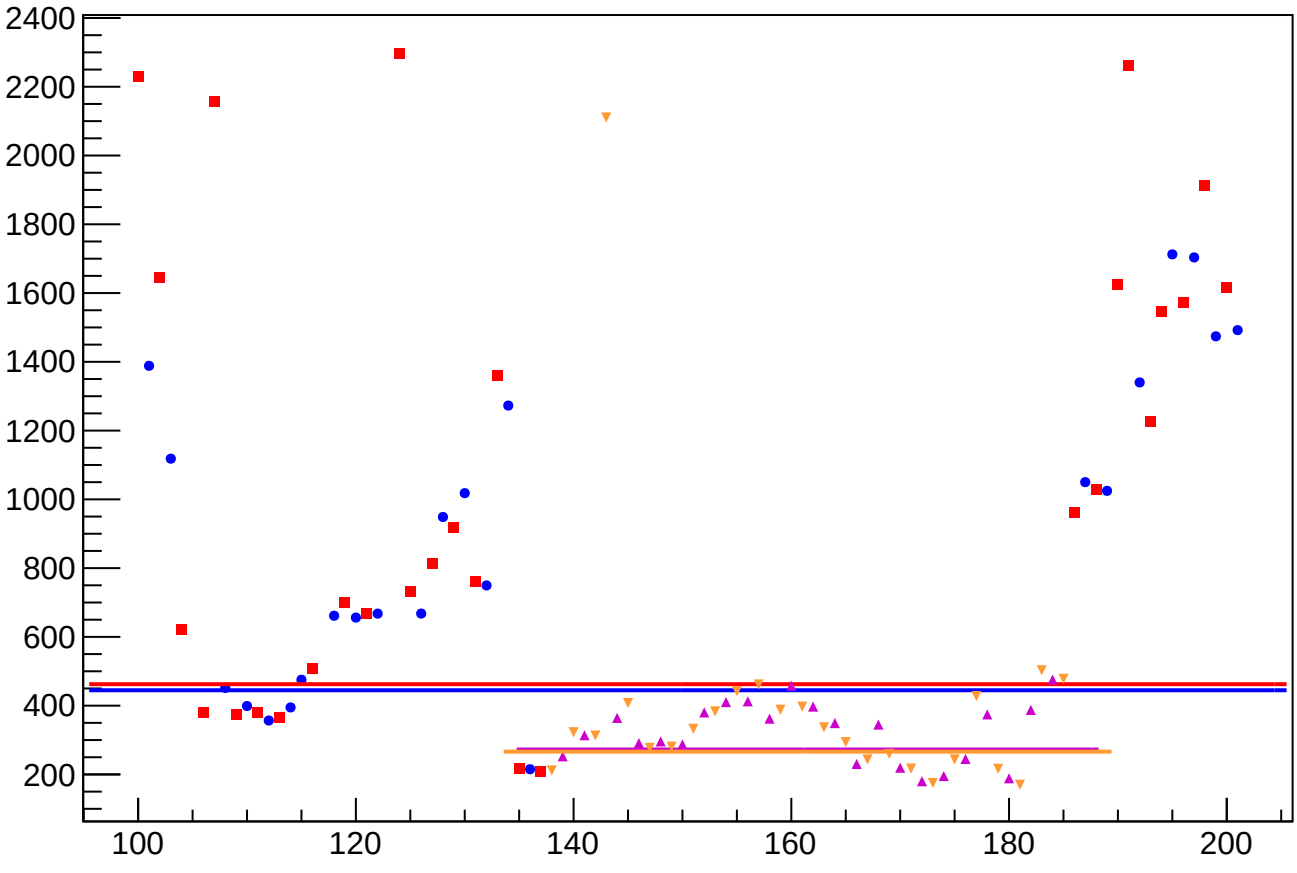
+ sign 1265.590+/-0.160 χ^2/NDF: 729128.4/47

All: 1265.730+/-0.113 χ^2/NDF: 1281843.9/98

- sign 1265.870+/-0.160 χ^2/NDF: 552713.9/50


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -396.395+/-162.462 χ²/NDF: 24.2/22
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -279.869+/-161.953 χ²/NDF: 19.4/27
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -155.616+/-60.397 χ²/NDF: 75.2/47
All: -144.421+/-43.233 χ²/NDF: 109.3/98
- sign -132.656+/-61.913 χ²/NDF: 34.1/50

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



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: 462.439+/-0.115 χ^2/NDF: 9946092.5/27

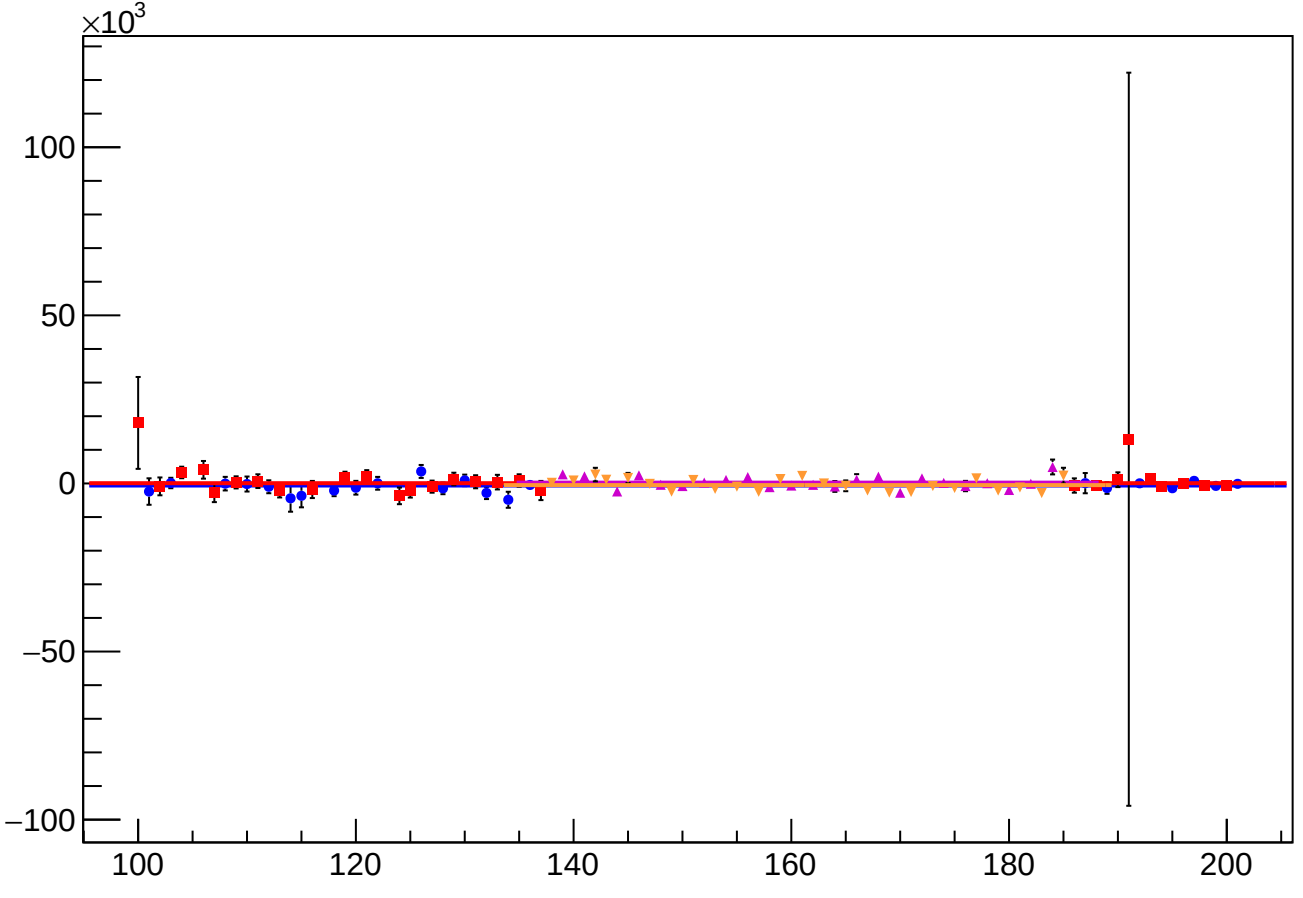
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 290.996+/-0.043 χ^2/NDF: 16053661.2/47

All: 295.462+/-0.031 χ^2/NDF: 31261708.7/98

- sign 300.155+/-0.044 χ^2/NDF: 15185622.9/50

dit_asym_atl1r2_dd_atl2r1_dd_avg_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: 77.206+/-357.247 χ^2/NDF: 20.4/27

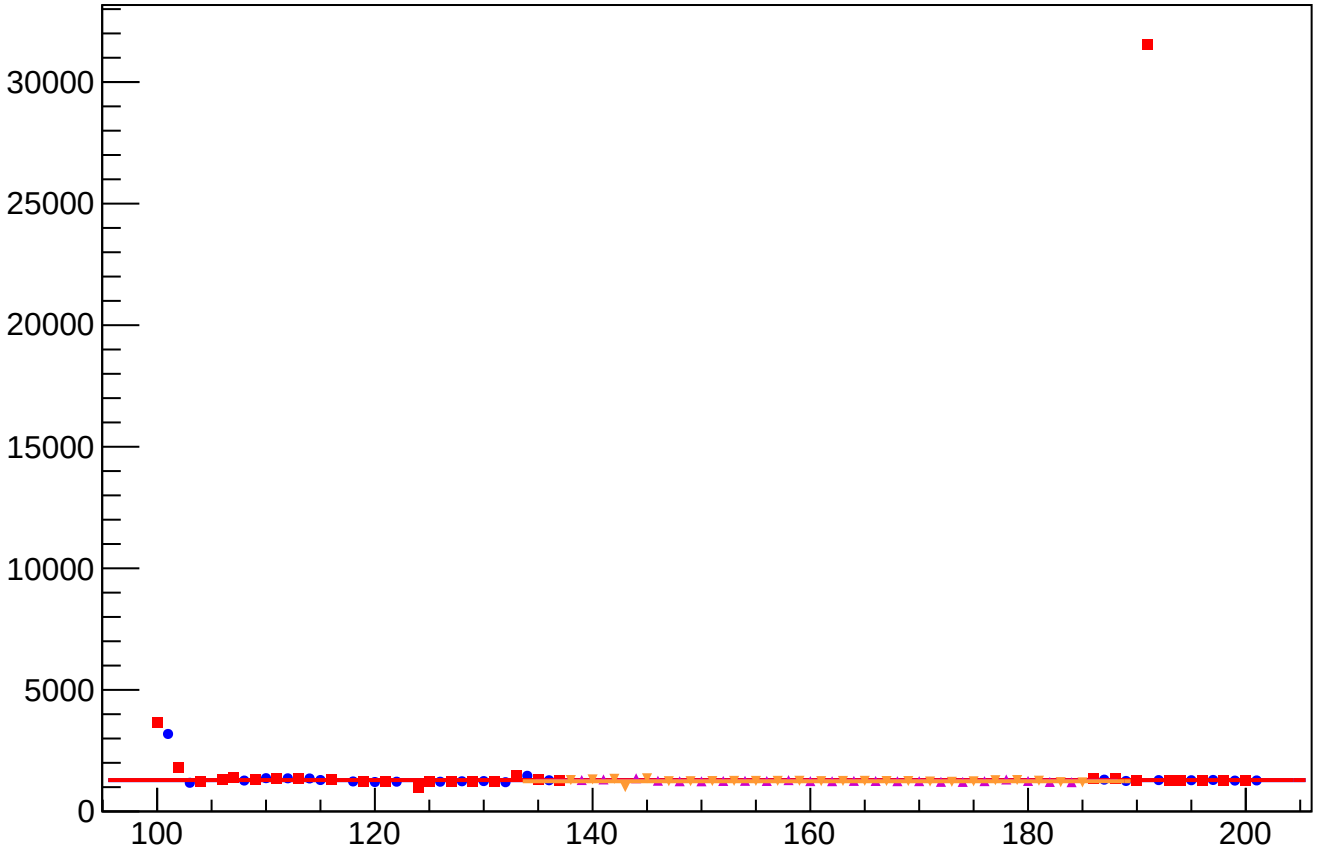
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -537.707+/-224.741 χ^2/NDF: 49.9/47

All: -184.997+/-159.767 χ^2/NDF: 106.1/98

- sign 175.368+/-227.167 χ^2/NDF: 51.2/50

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

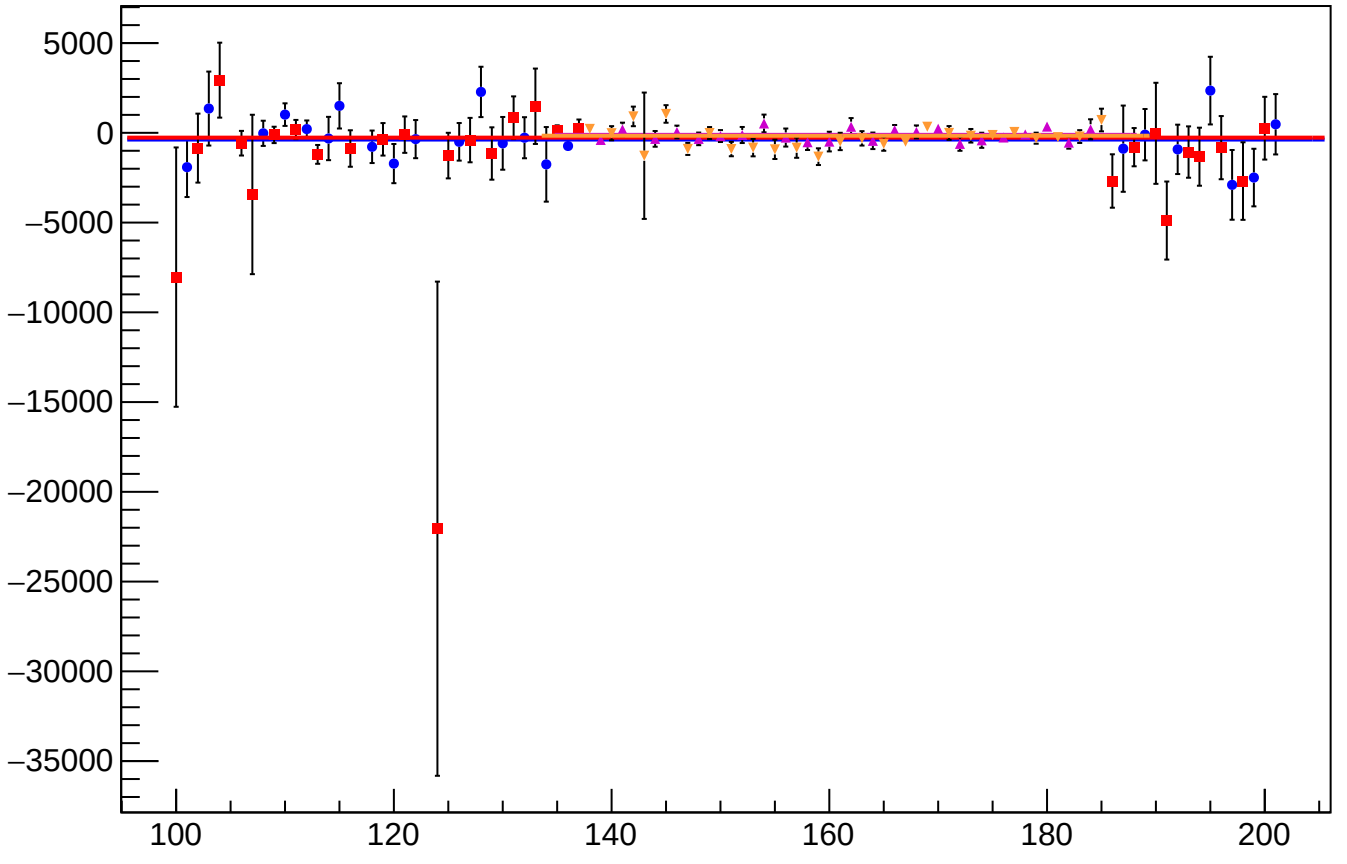
Right Out: 1291.441+/-0.253 χ^2/NDF: 372510.5/27

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.960+/-0.159 χ^2/NDF: 659345.3/47

All: 1265.790+/-0.113 χ^2/NDF: 1072695.6/98

- sign 1272.769+/-0.161 χ^2/NDF: 409615.3/50



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: -268.182+/-161.913 χ^2/NDF: 25.9/27

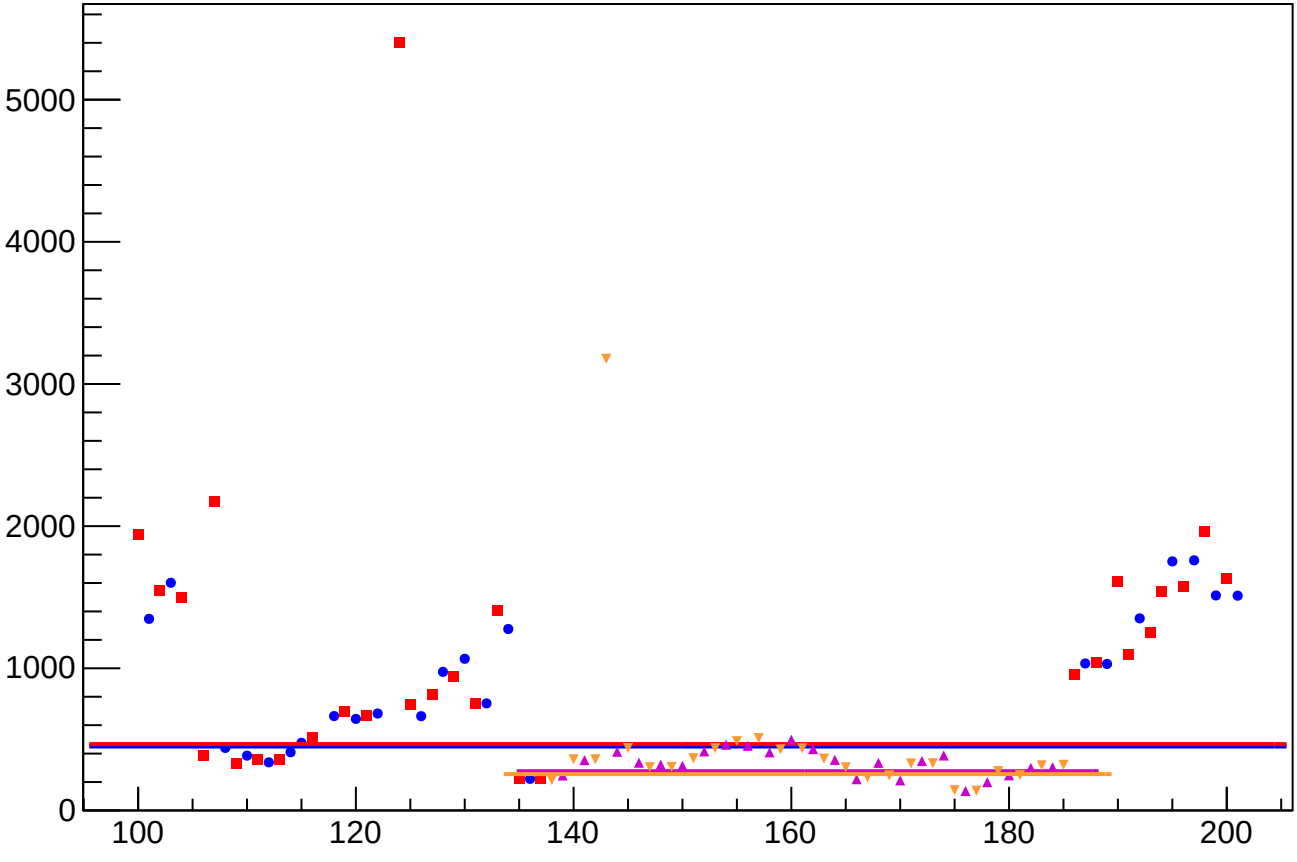
Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -189.206+/-59.737 χ^2/NDF: 69.7/47

All: -164.808+/-43.463 χ^2/NDF: 114.9/98

\- sign -137.369+/-63.352 χ^2/NDF: 44.8/50

asym_atl1r2_dd_atl2r1_dd_avg_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

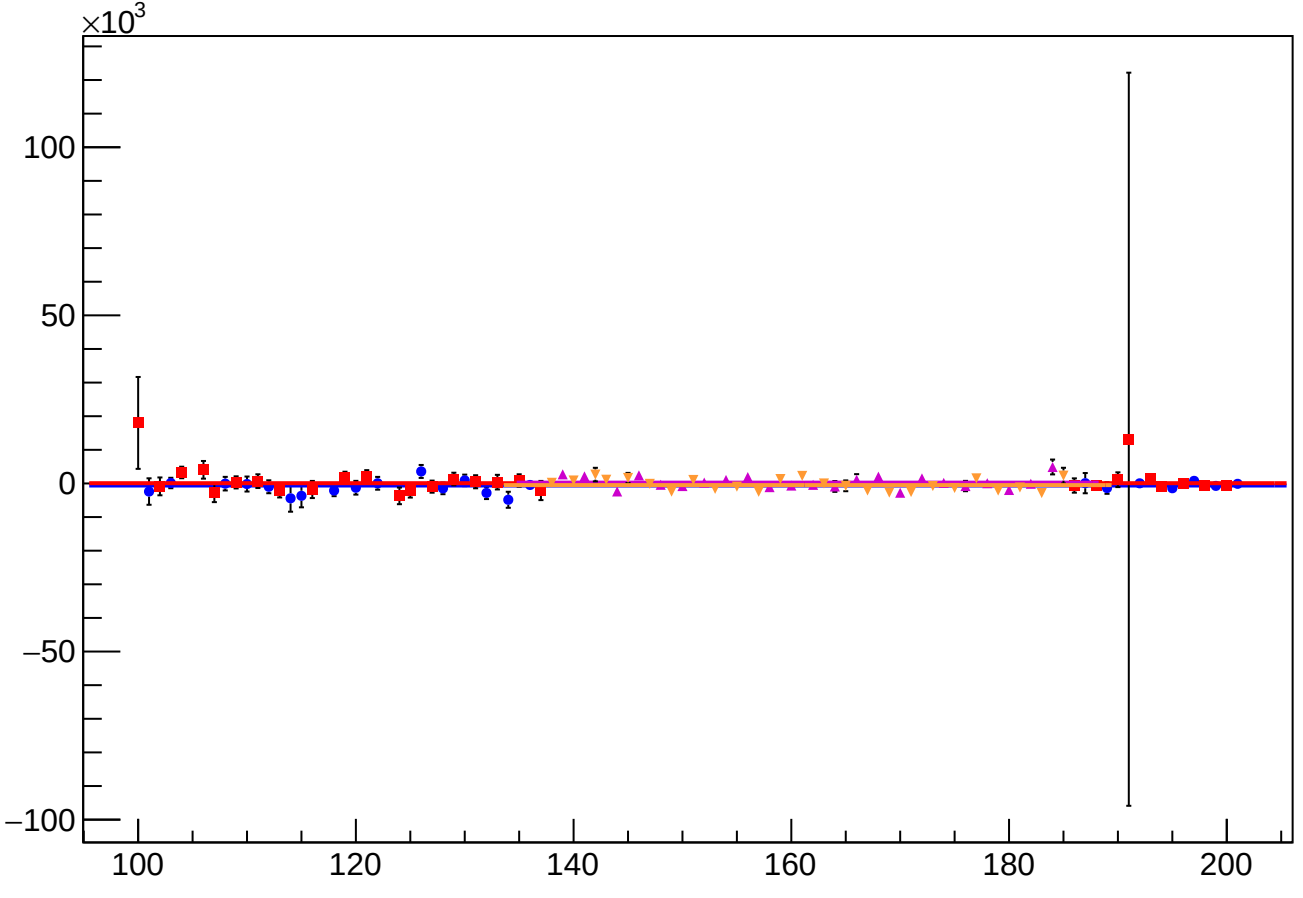
Right Out: 466.954+/-0.114 χ^2/NDF: 10455349.3/27

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 281.431+/-0.042 χ^2/NDF: 18280827.2/47

All: 292.753+/-0.031 χ^2/NDF: 35264776.8/98

- sign 305.487+/-0.045 χ^2/NDF: 16831306.7/50



Right In: -613.689+/-370.396 χ^2/NDF: 15.6/22

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

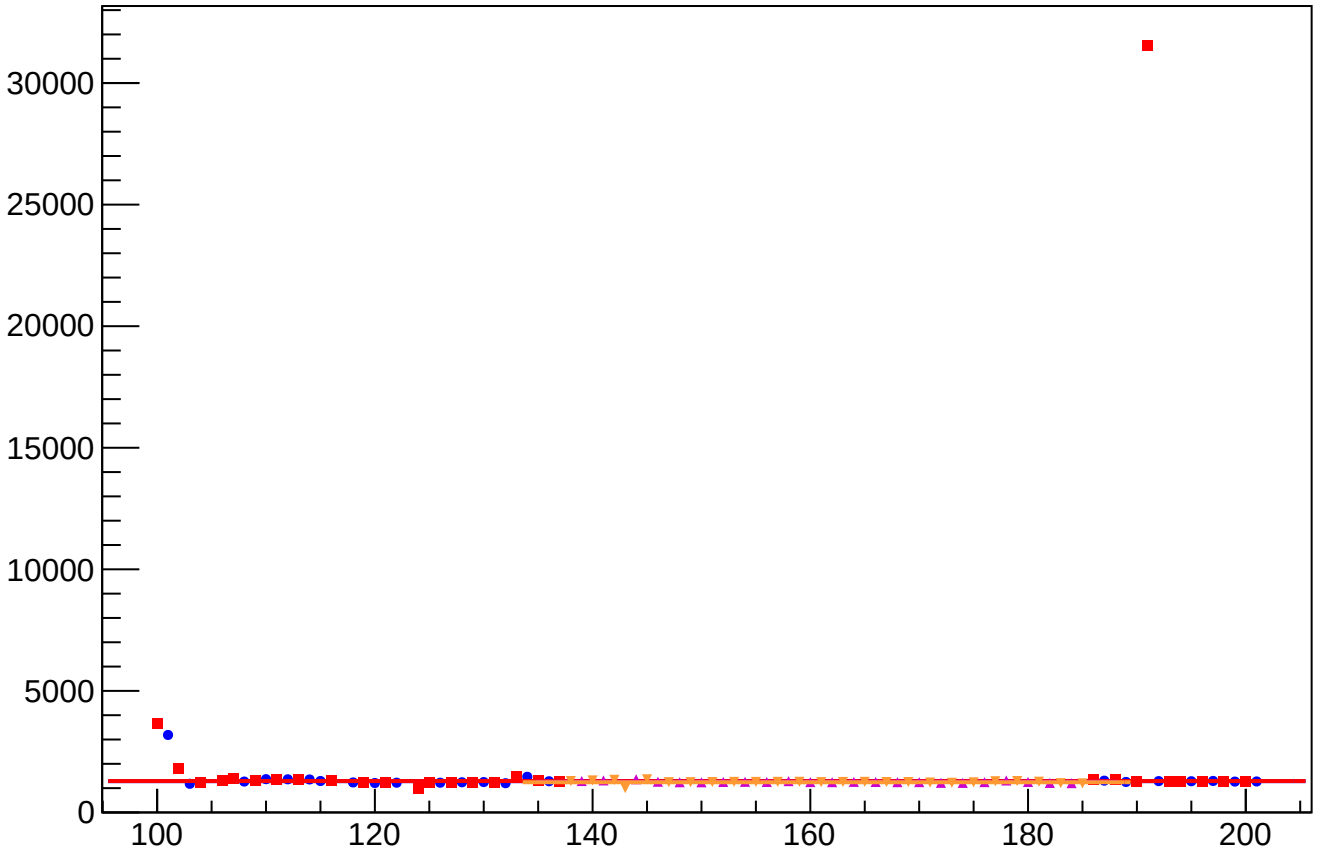
Right Out: 77.206+/-357.247 χ^2/NDF: 20.4/27

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -537.708+/-224.741 χ^2/NDF: 49.9/47

All: -184.997+/-159.767 χ^2/NDF: 106.1/98

- sign 175.368+/-227.167 χ^2/NDF: 51.2/50



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: 1291.441+/-0.253 χ^2/NDF: 372510.8/27

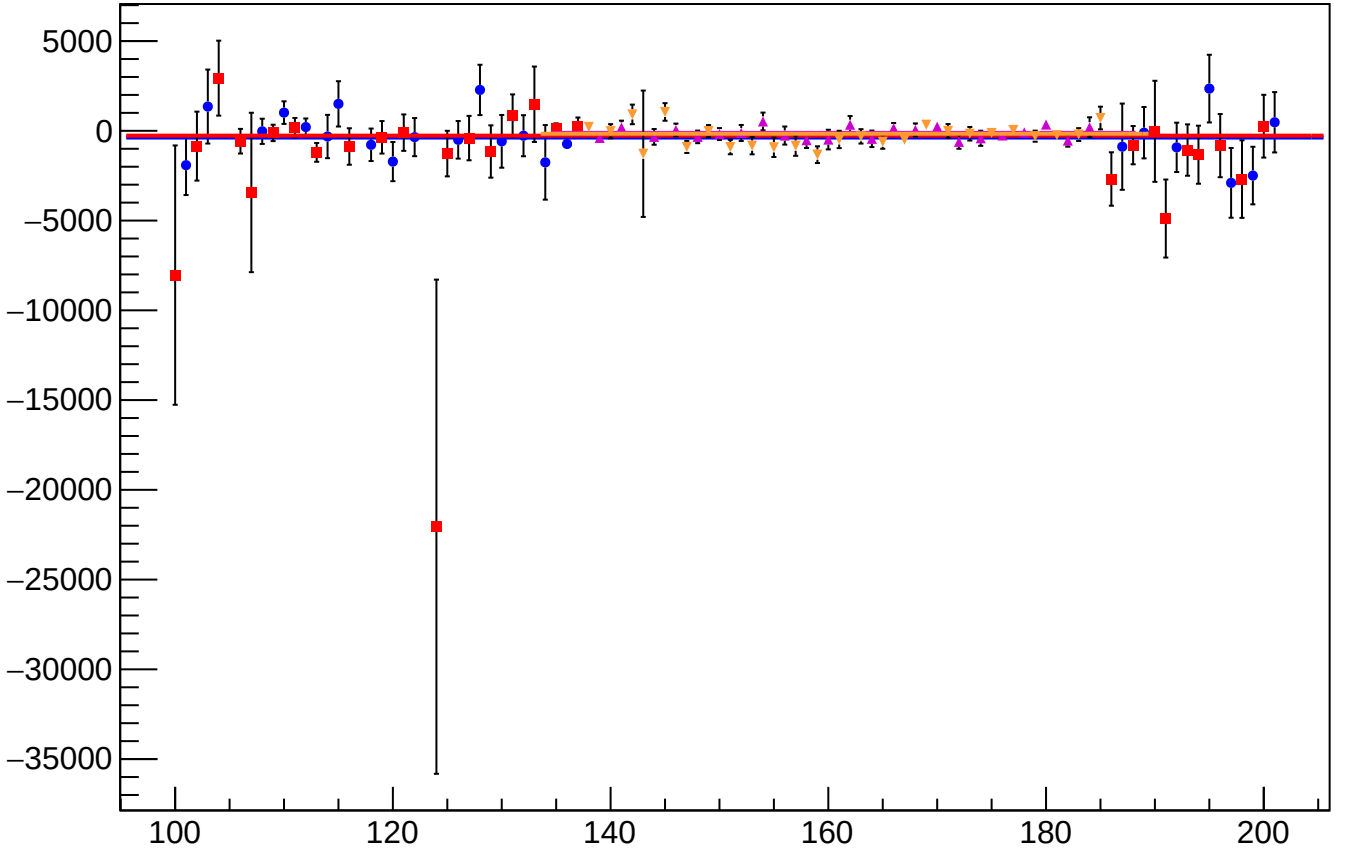
Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.960+/-0.159 χ^2/NDF: 659344.4/47

All: 1265.790+/-0.113 χ^2/NDF: 1072695.1/98

- sign 1272.769+/-0.161 χ^2/NDF: 409615.6/50

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

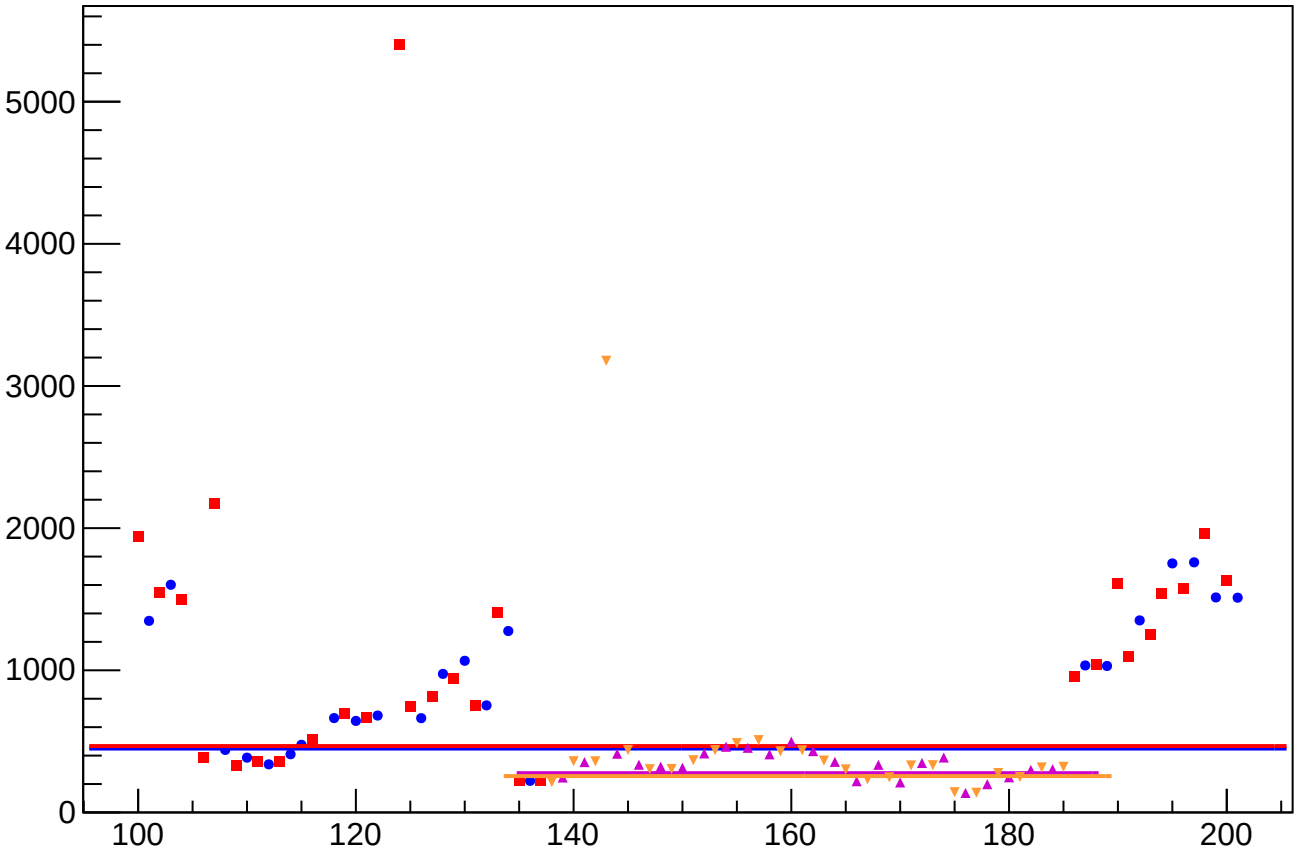
Right Out: -268.191+/-161.915 χ^2/NDF: 25.9/27

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -189.208+/-59.738 χ^2/NDF: 69.7/47

All: -164.809+/-43.463 χ^2/NDF: 114.9/98

- sign -137.368+/-63.352 χ^2/NDF: 44.8/50



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: 466.963+/-0.114 χ^2/NDF: 10455111.4/27

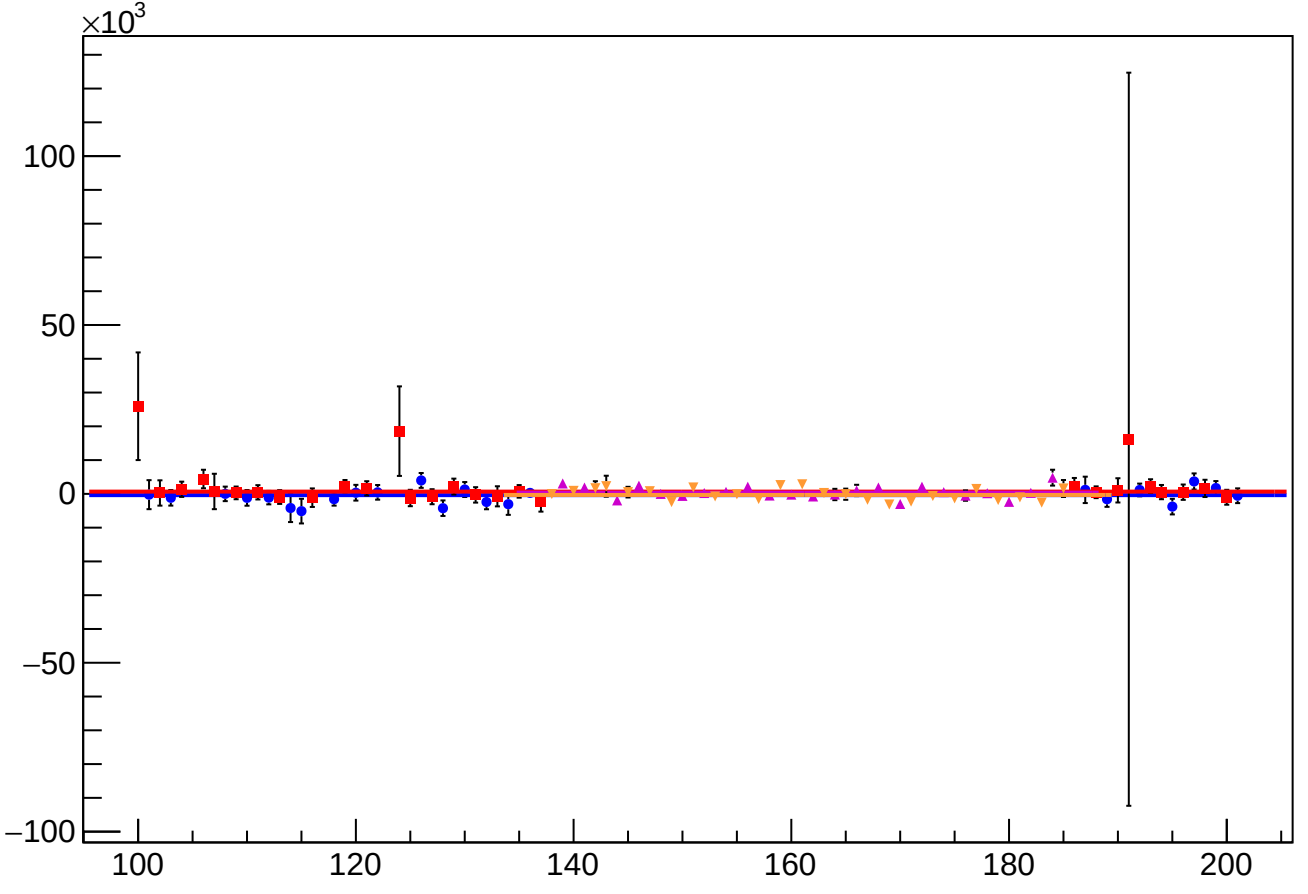
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 281.433+/-0.042 χ^2/NDF: 18280630.7/47

All: 292.755+/-0.031 χ^2/NDF: 35264455.1/98

- sign 305.488+/-0.045 χ^2/NDF: 16831193.2/50

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: 668.451+/-461.866 χ^2/NDF: 13.1/27

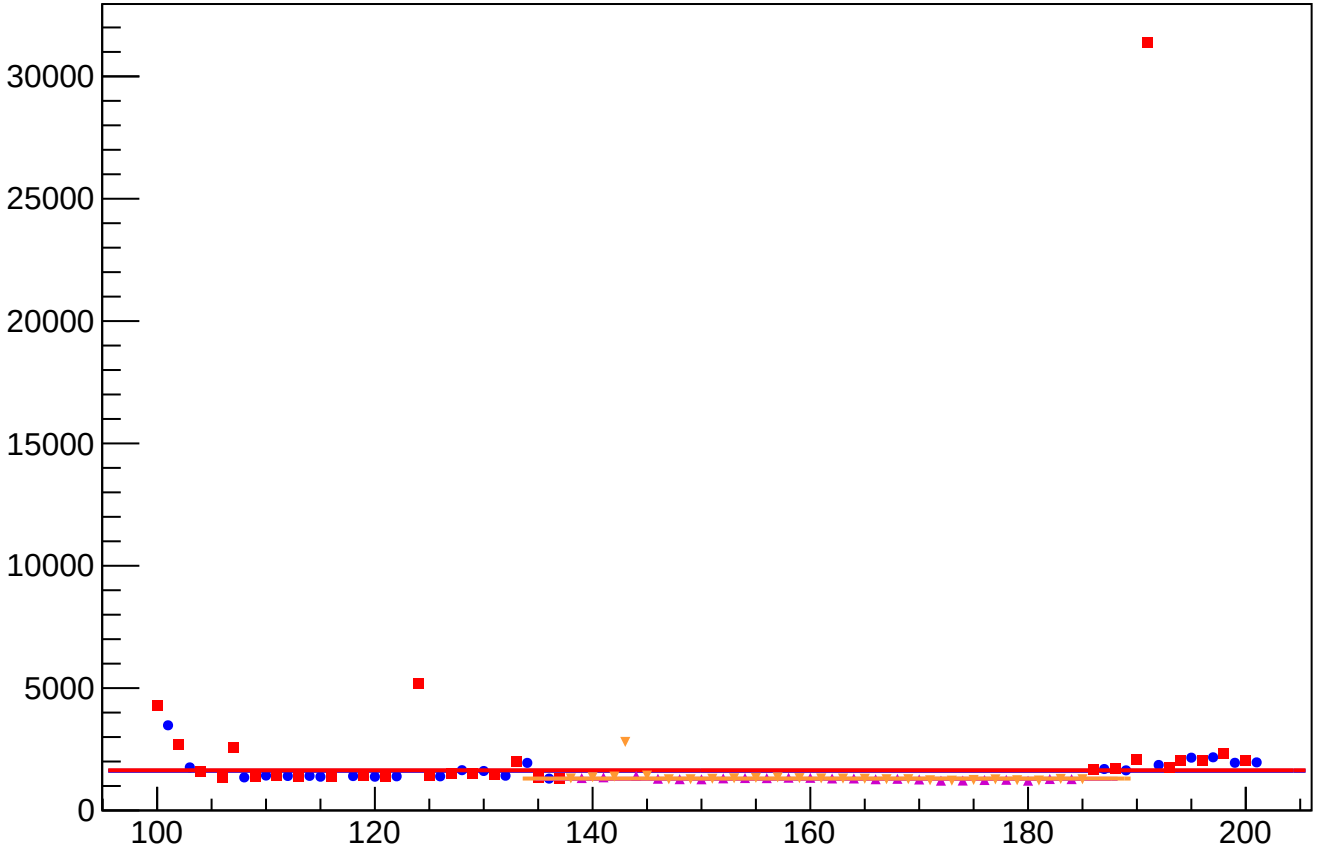
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -335.692+/-252.132 χ^2/NDF: 51.5/47

All: 56.166+/-178.486 χ^2/NDF: 99.4/98

- sign 449.807+/-252.705 χ^2/NDF: 43.1/50

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

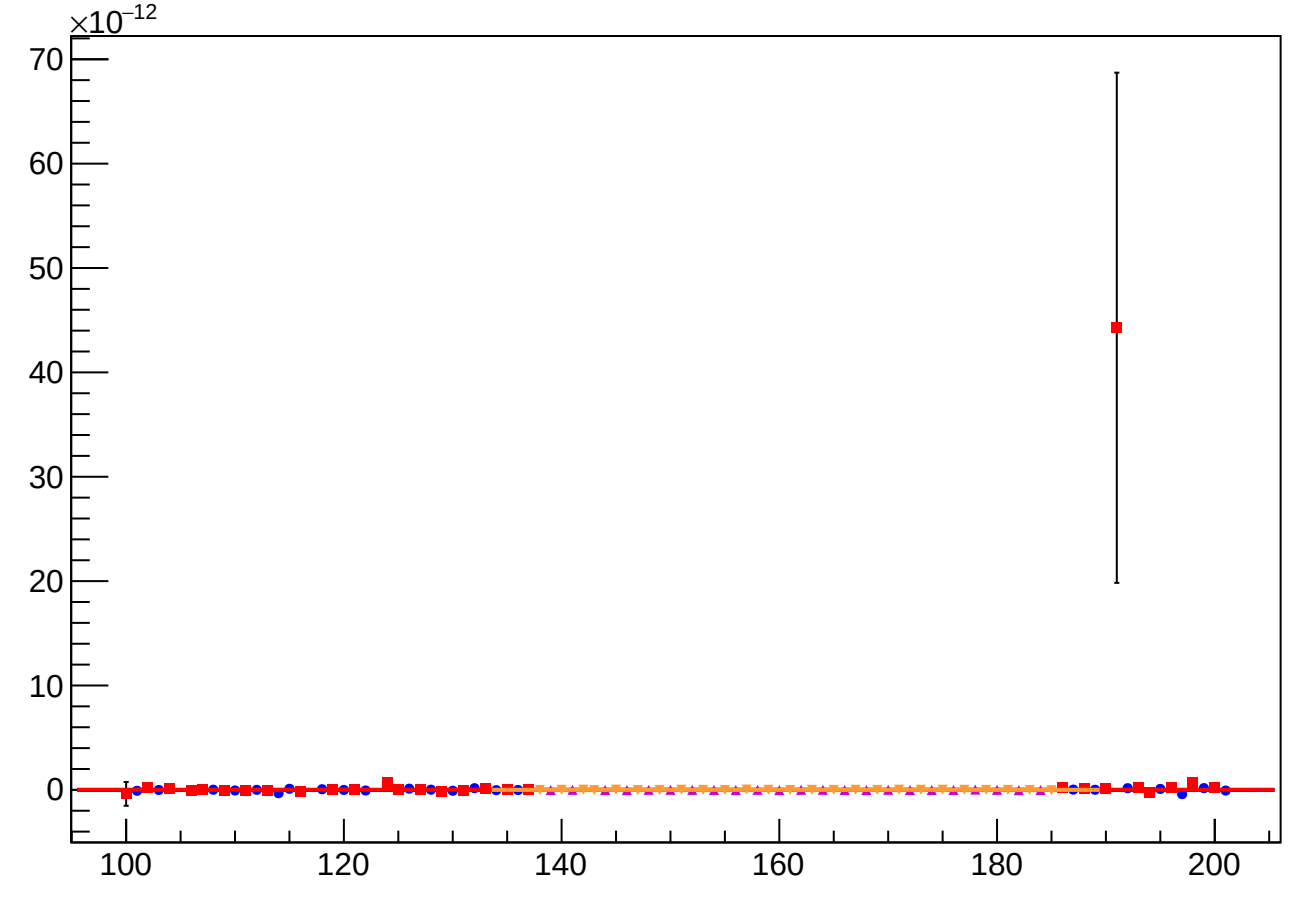
Right Out: 1641.914+/-0.327 χ^2/NDF: 1298102.9/27

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1394.326+/-0.178 χ^2/NDF: 2207093.6/47

All: 1395.579+/-0.126 χ^2/NDF: 4357369.5/98

- sign 1396.837+/-0.179 χ^2/NDF: 2150176.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

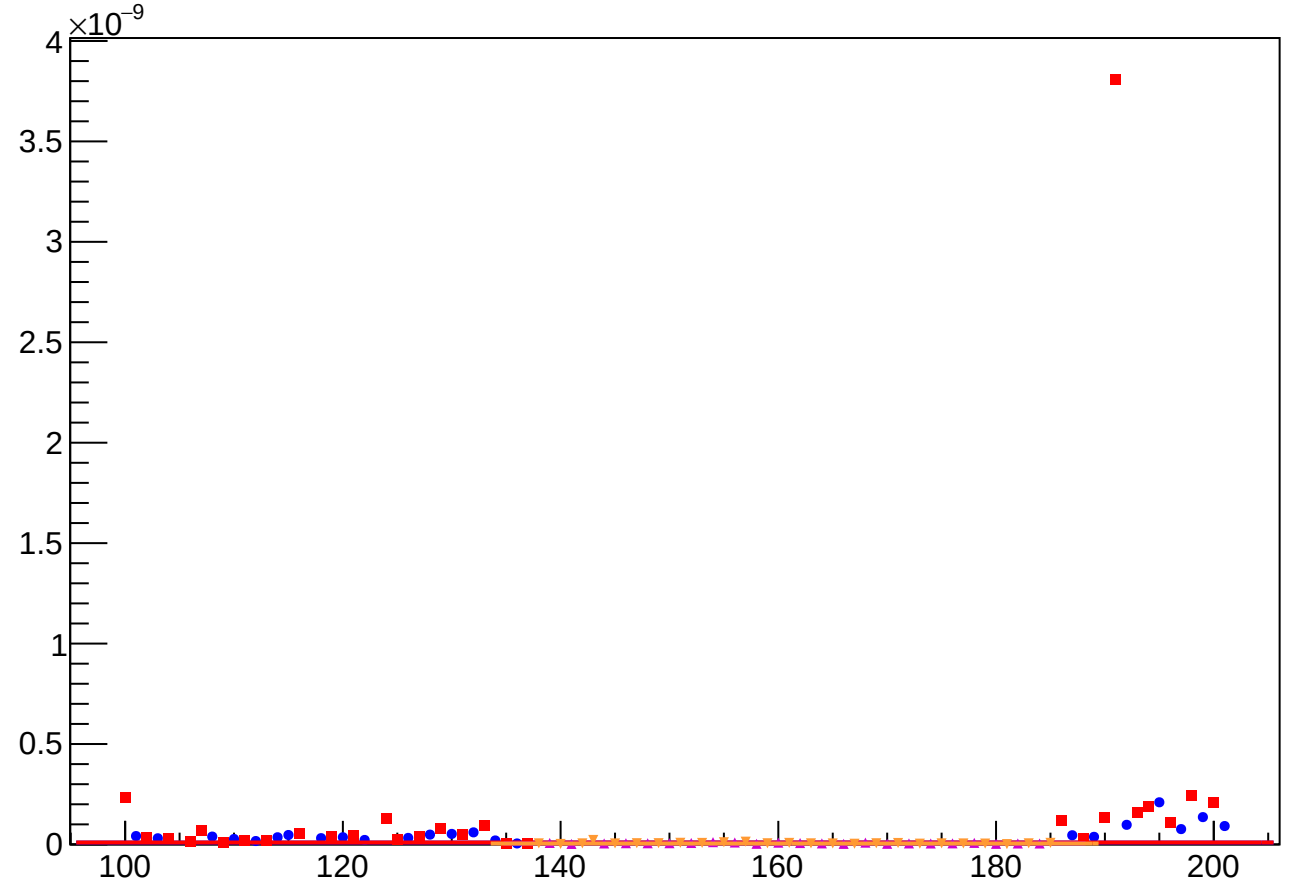
Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/27

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: 111.0/98

- sign 0.000+/-0.000 χ^2/NDF: 67.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 5761631.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

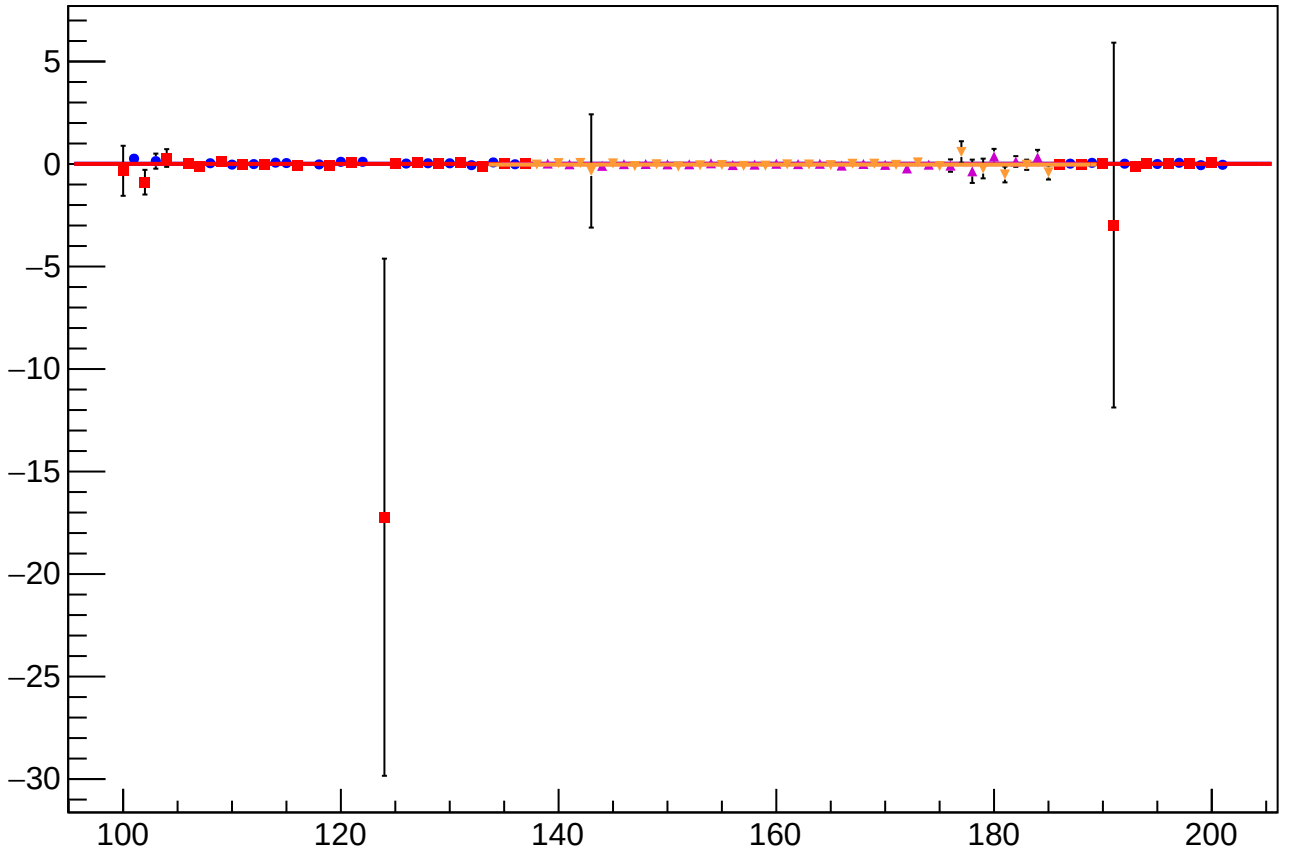
Right Out: 0.000+/-0.000 χ^2/NDF: 7795004.5/27

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: 19681629.8/98

- sign 0.000+/-0.000 χ^2/NDF: 10410803.4/50



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: 0.007+/-0.013 χ^2/NDF: 20.7/27

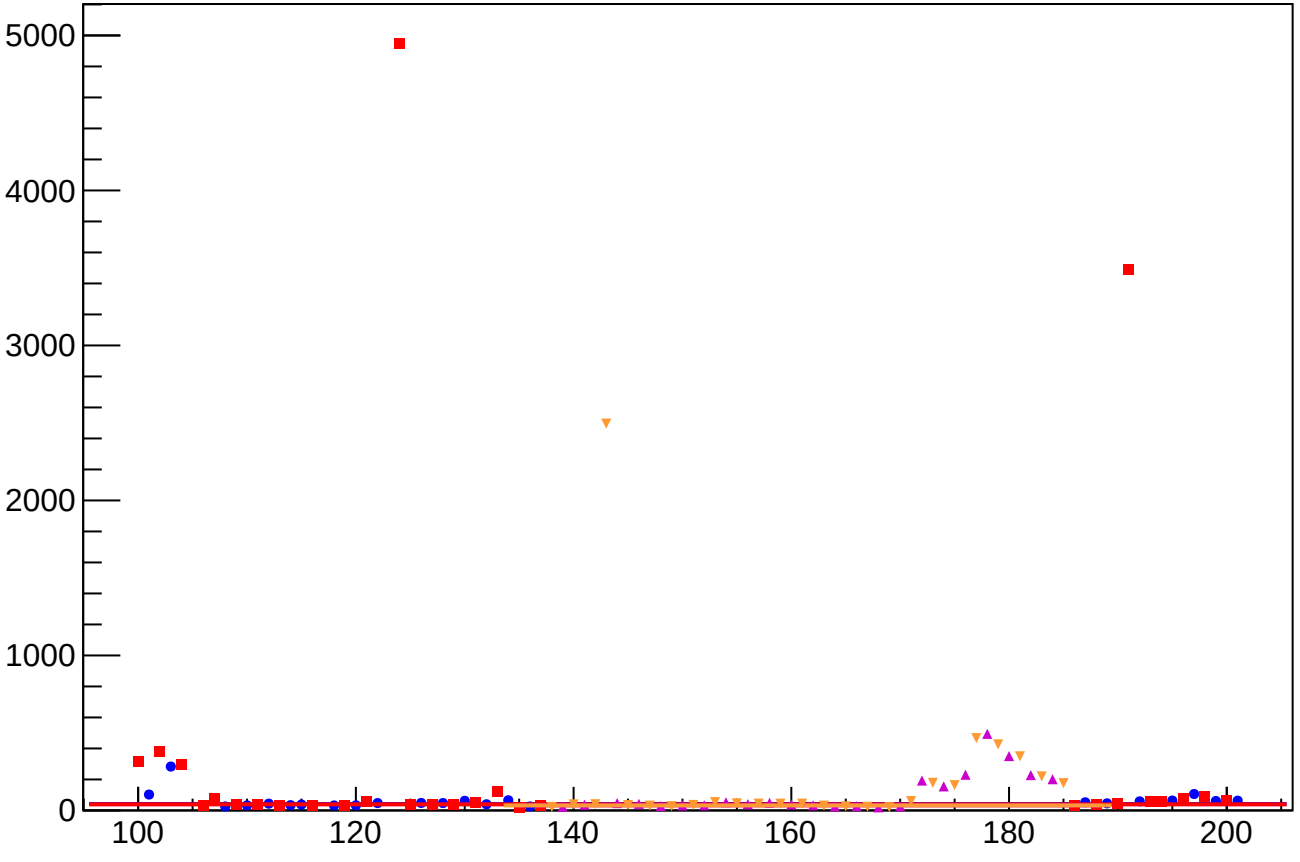
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/47

All: -0.009+/-0.005 χ^2/NDF: 83.9/98

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50

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

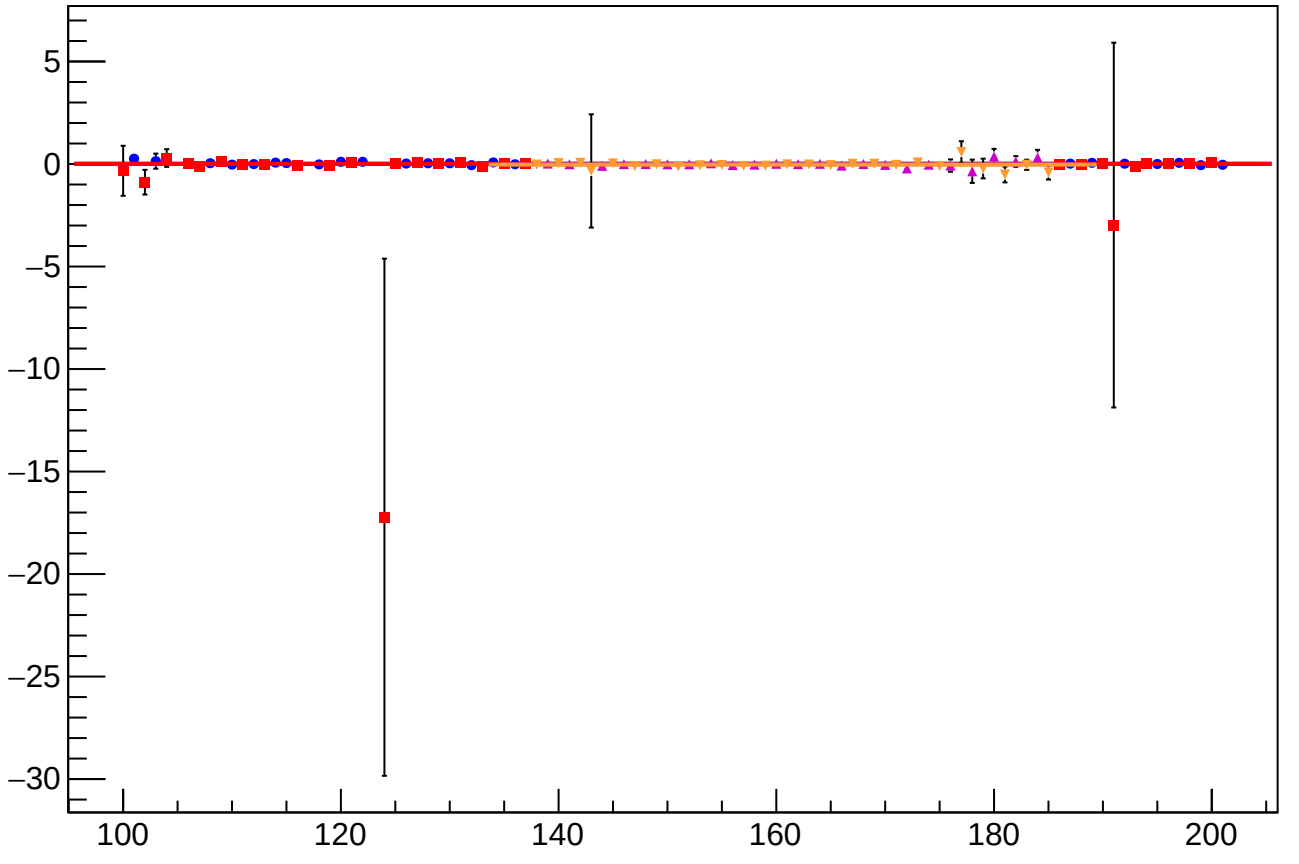
Right Out: 39.456+/-0.009 χ^2/NDF: 4950740.0/27

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235266.4/47

All: 35.248+/-0.004 χ^2/NDF: 29504635.2/98

- sign 35.117+/-0.005 χ^2/NDF: 14268177.0/50



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

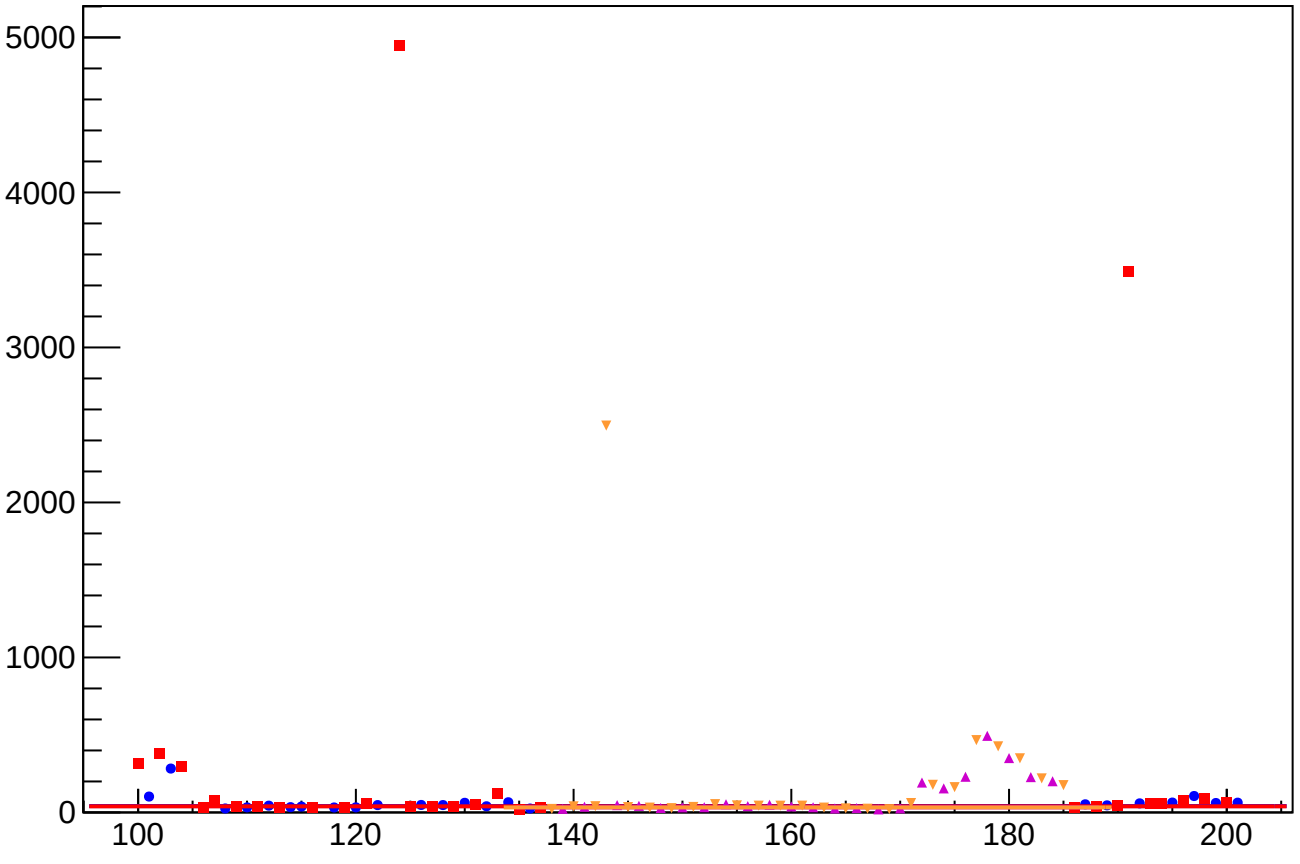
Right Out: 0.007+/-0.013 χ^2/NDF: 20.7/27

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: 83.9/98

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50



Right In: 41.224+/-0.010 χ^2/NDF: 3820893.4/22

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

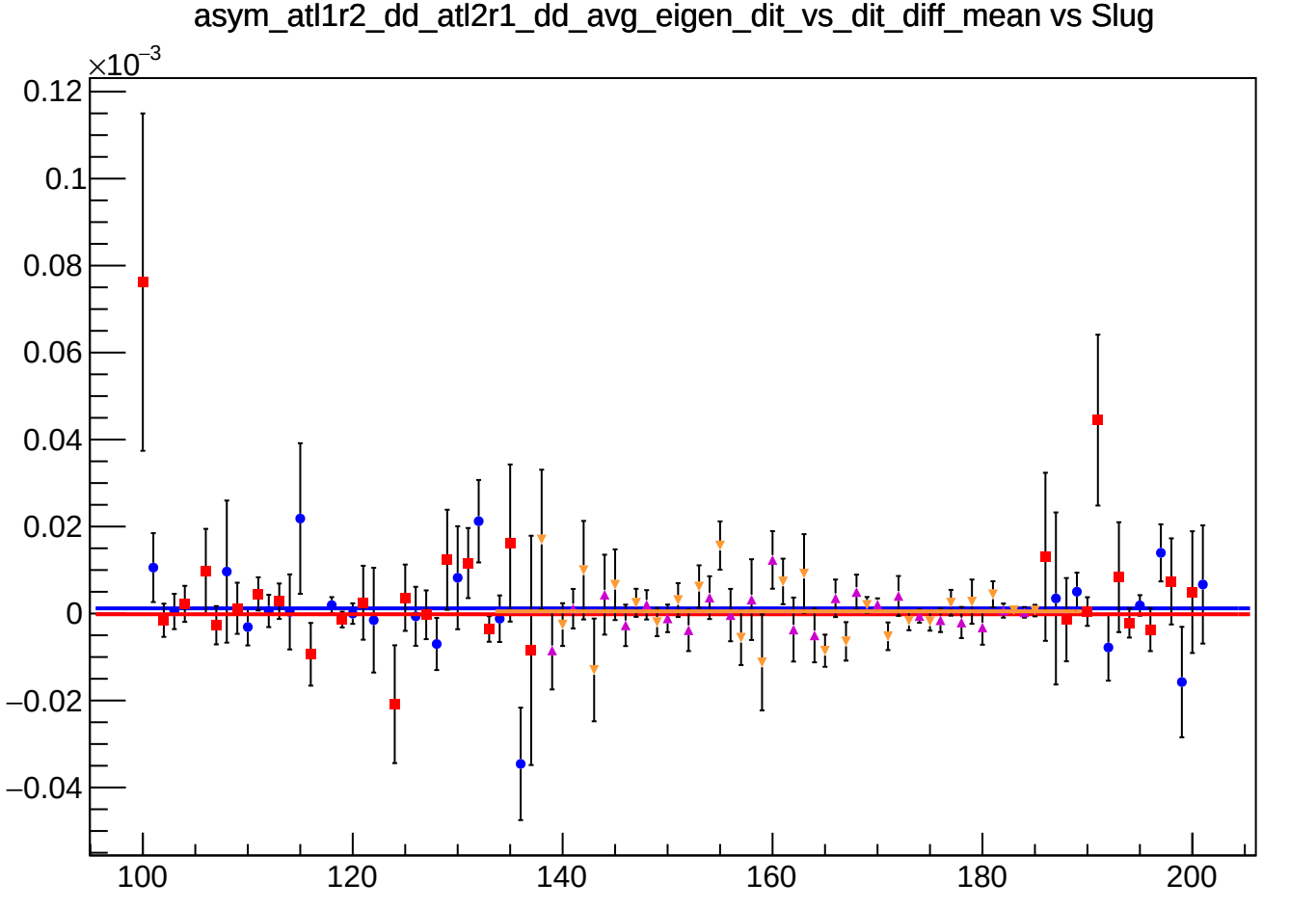
Right Out: 39.456+/-0.009 χ^2/NDF: 4950740.0/27

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235266.4/47

All: 35.248+/-0.004 χ^2/NDF: 29504635.2/98

- sign 35.117+/-0.005 χ^2/NDF: 14268177.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 27.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

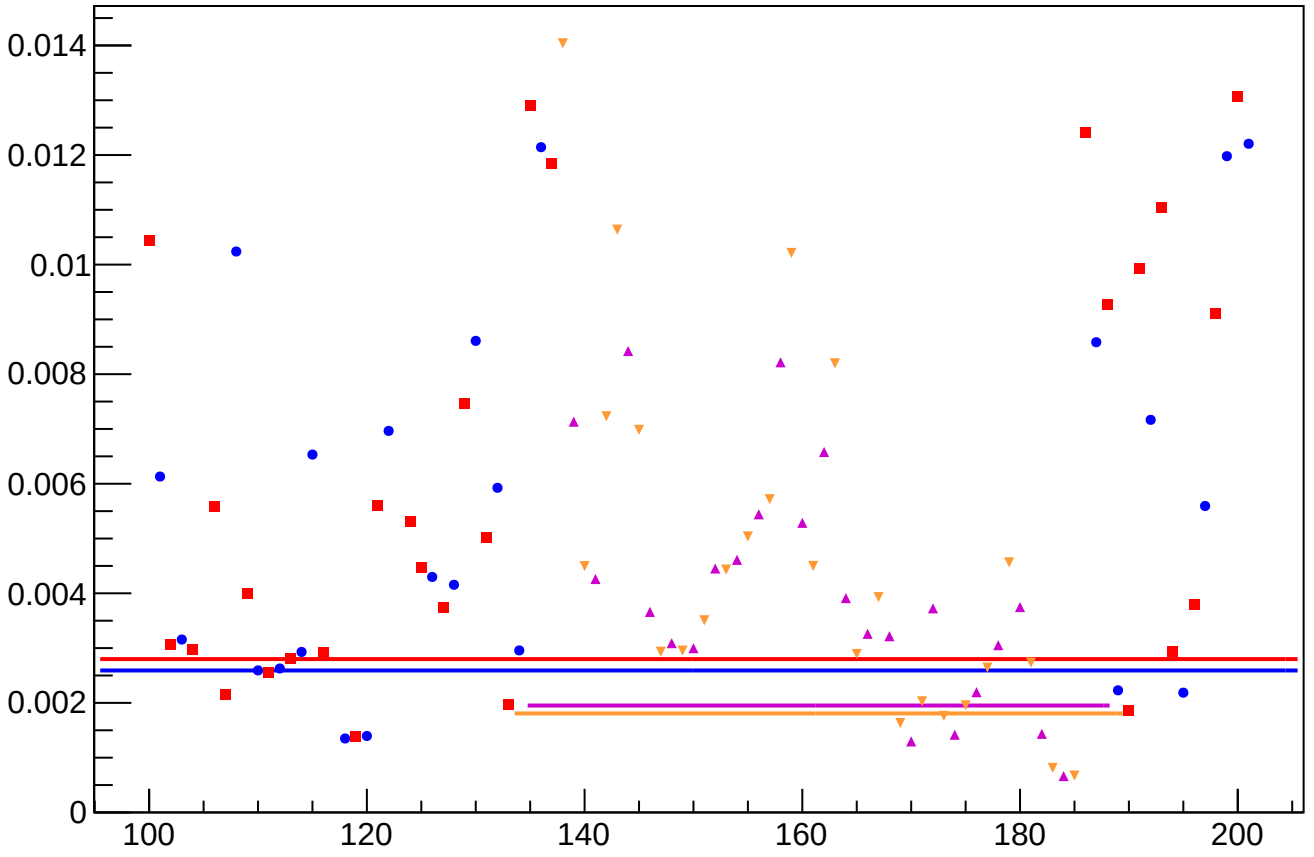
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/27

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.4/47

All: 0.000+/-0.000 χ^2/NDF: 103.5/98

- sign 0.000+/-0.000 χ^2/NDF: 39.8/50



Right In: 0.003+/-0.000 χ^2/NDF: 8292286.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

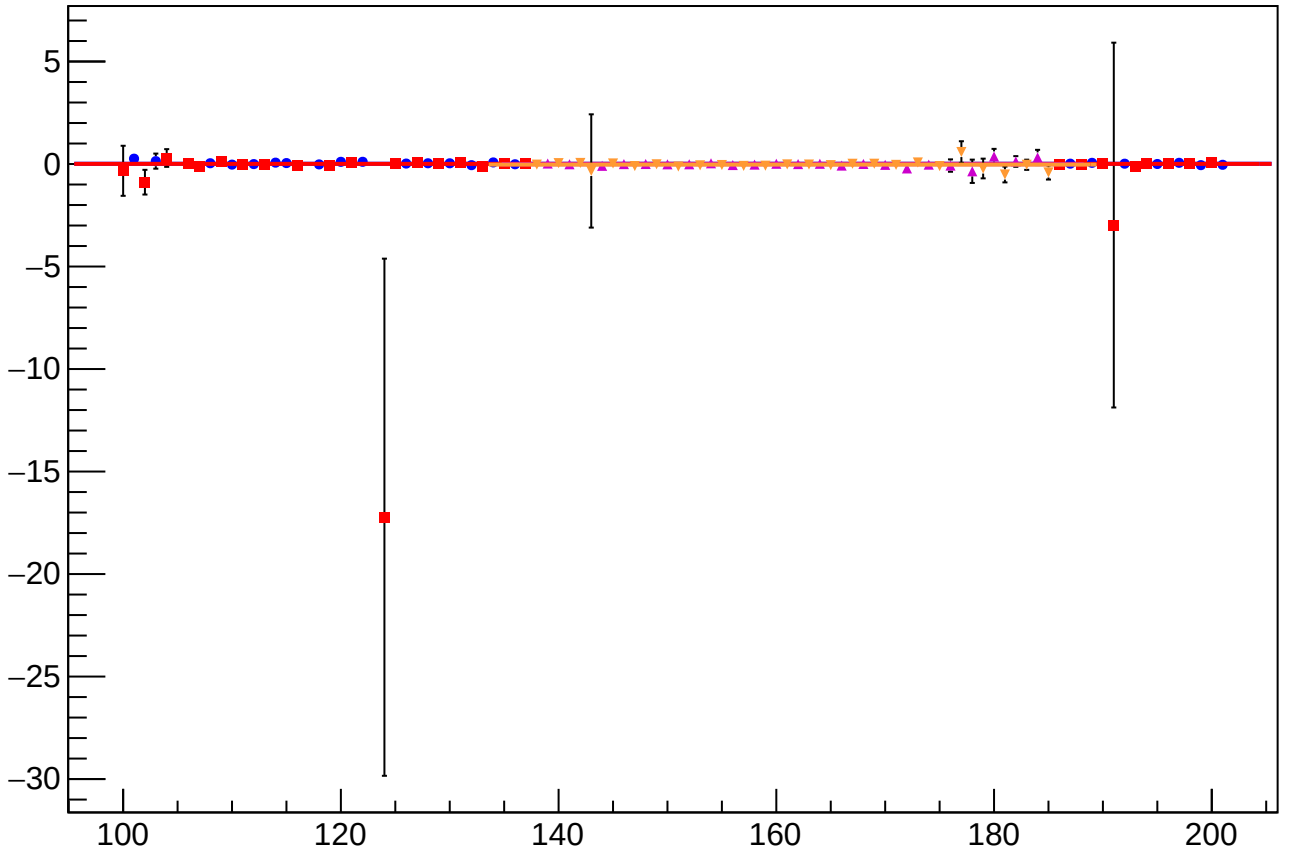
Right Out: 0.003+/-0.000 χ^2/NDF: 8199659.4/27

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: 45261350.9/98

- sign 0.002+/-0.000 χ^2/NDF: 20855060.3/50



Right In: 0.013+/-0.014 χ^2/NDF: 13.6/22

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

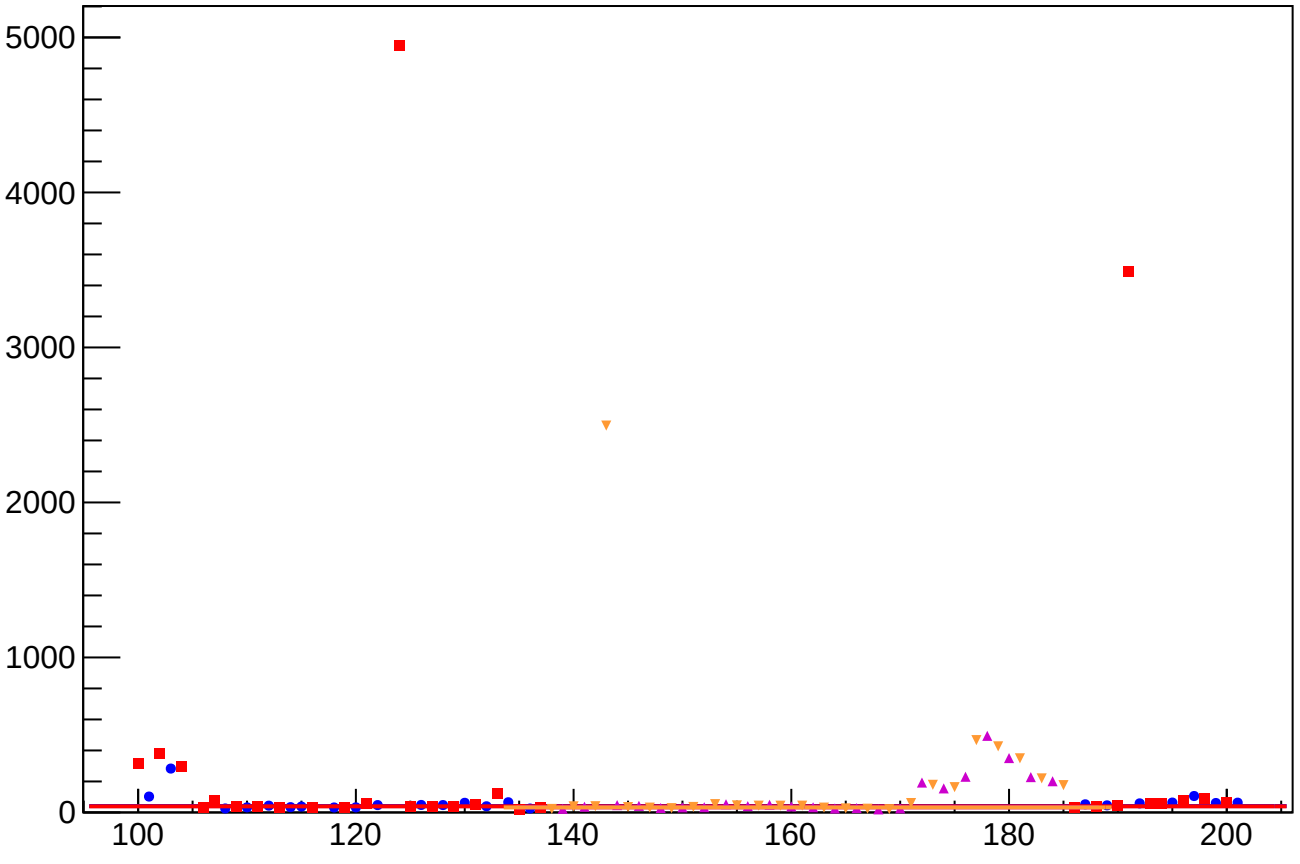
Right Out: 0.007+/-0.013 χ^2/NDF: 20.7/27

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: 83.9/98

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50



Right In: 41.225+/-0.010 χ^2/NDF: 3820445.9/22

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

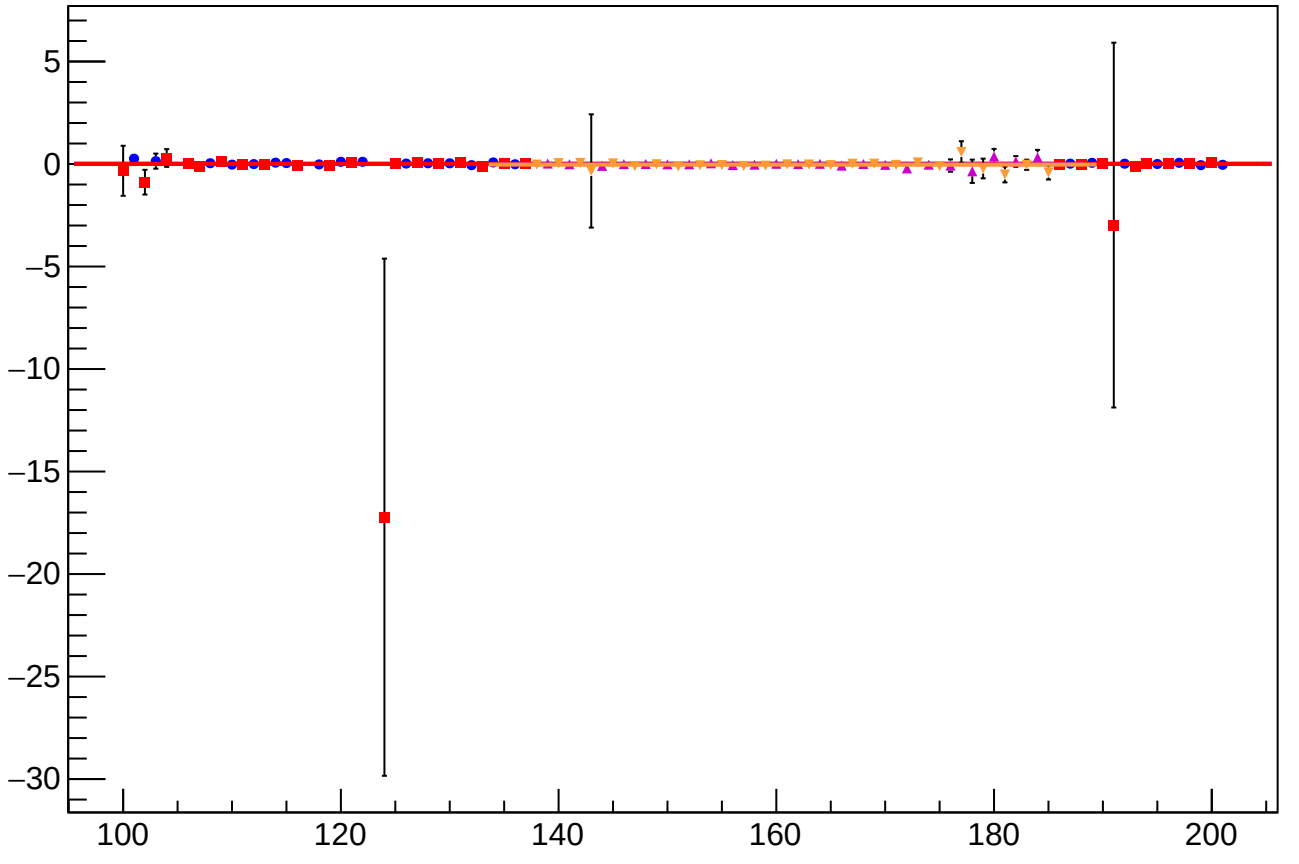
Right Out: 39.456+/-0.009 χ^2/NDF: 4950525.0/27

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235265.3/47

All: 35.247+/-0.004 χ^2/NDF: 29505231.1/98

- sign 35.117+/-0.005 χ^2/NDF: 14268764.5/50



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: 0.007+/-0.013 χ^2/NDF: 20.7/27

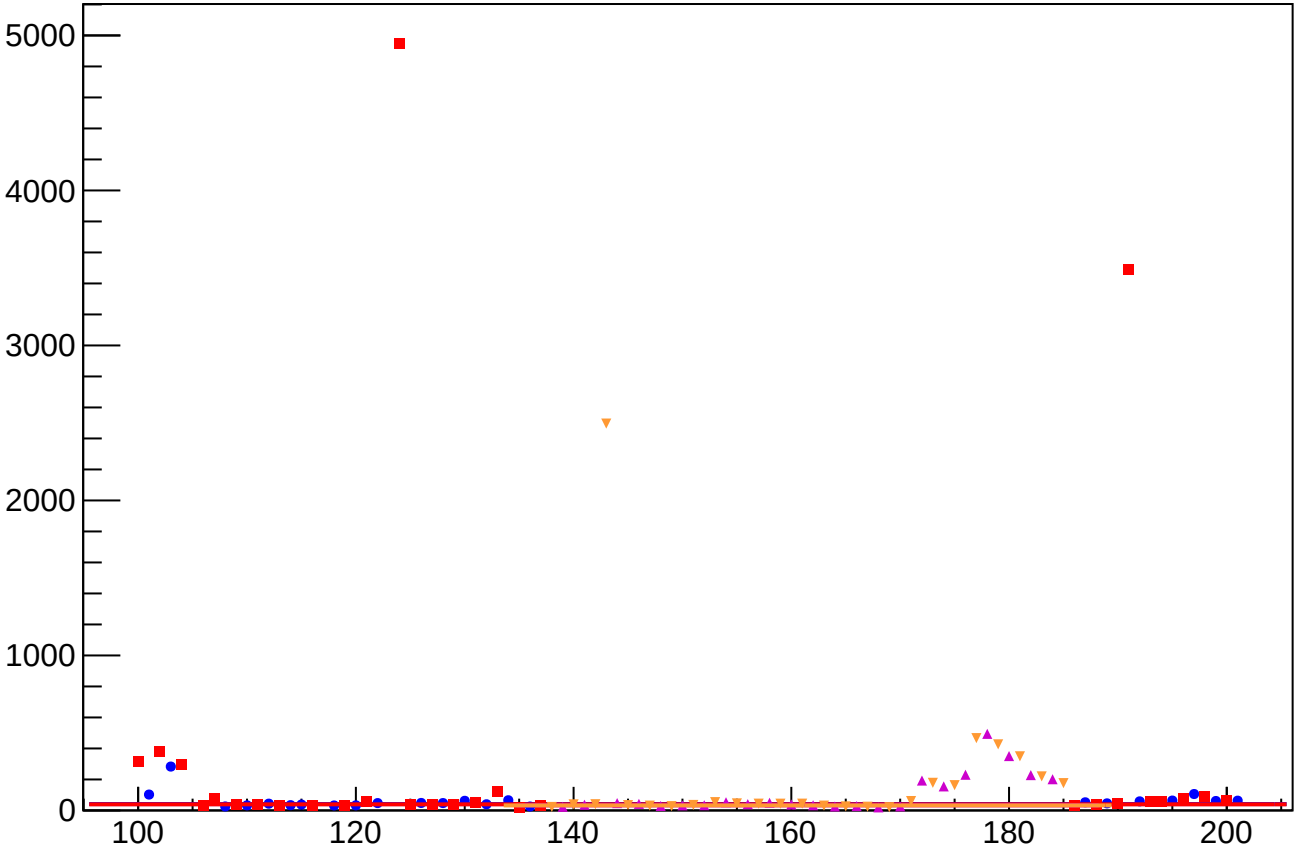
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.9/47

All: -0.009+/-0.005 χ^2/NDF: 83.9/98

- sign -0.004+/-0.008 χ^2/NDF: 35.2/50

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

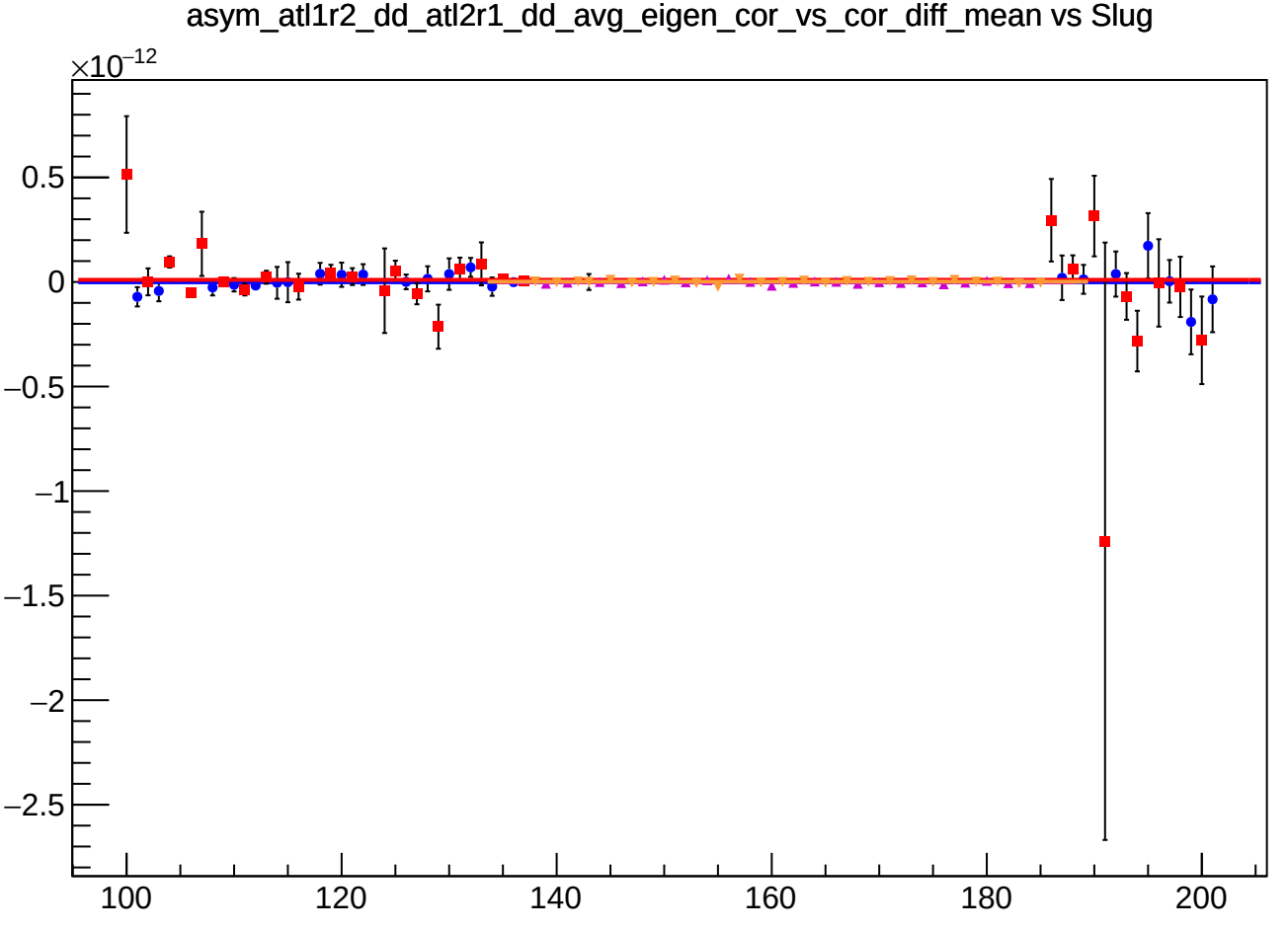
Right Out: 39.456+/-0.009 χ^2/NDF: 4950525.0/27

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.384+/-0.006 χ^2/NDF: 15235265.3/47

All: 35.247+/-0.004 χ^2/NDF: 29505231.1/98

- sign 35.117+/-0.005 χ^2/NDF: 14268764.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

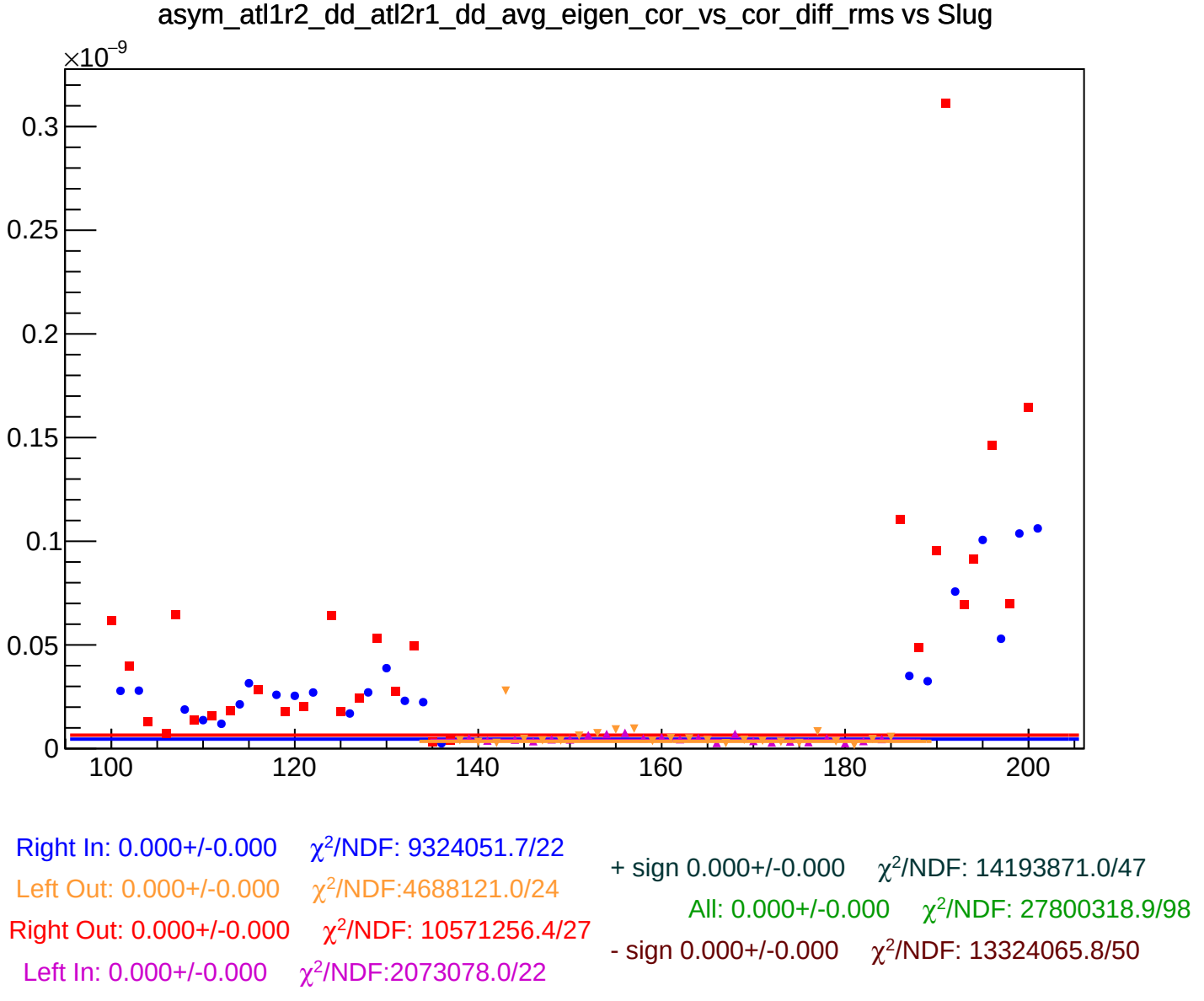
Right Out: 0.000+/-0.000 χ^2/NDF: 52.4/27

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

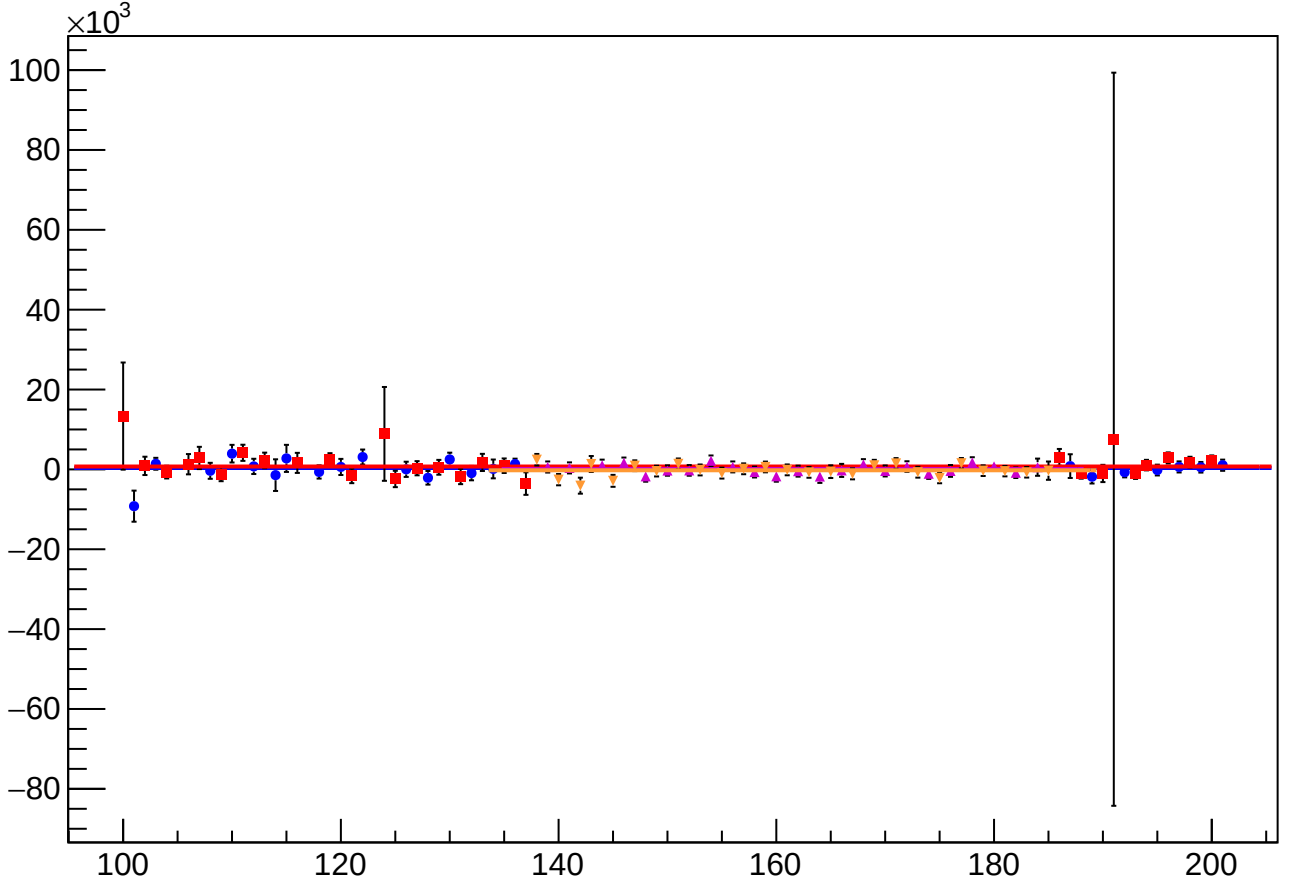
+ sign 0.000+/-0.000 χ^2/NDF: 30.5/47

All: 0.000+/-0.000 χ^2/NDF: 120.0/98

- sign -0.000+/-0.000 χ^2/NDF: 88.2/50


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: 10571256.4/27
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: 27800318.9/98
- sign 0.000+/-0.000 χ²/NDF: 13324065.8/50

reg_asym_at1_dd_at2_dd_avg_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: 721.763+/-354.369 χ^2/NDF: 26.0/27

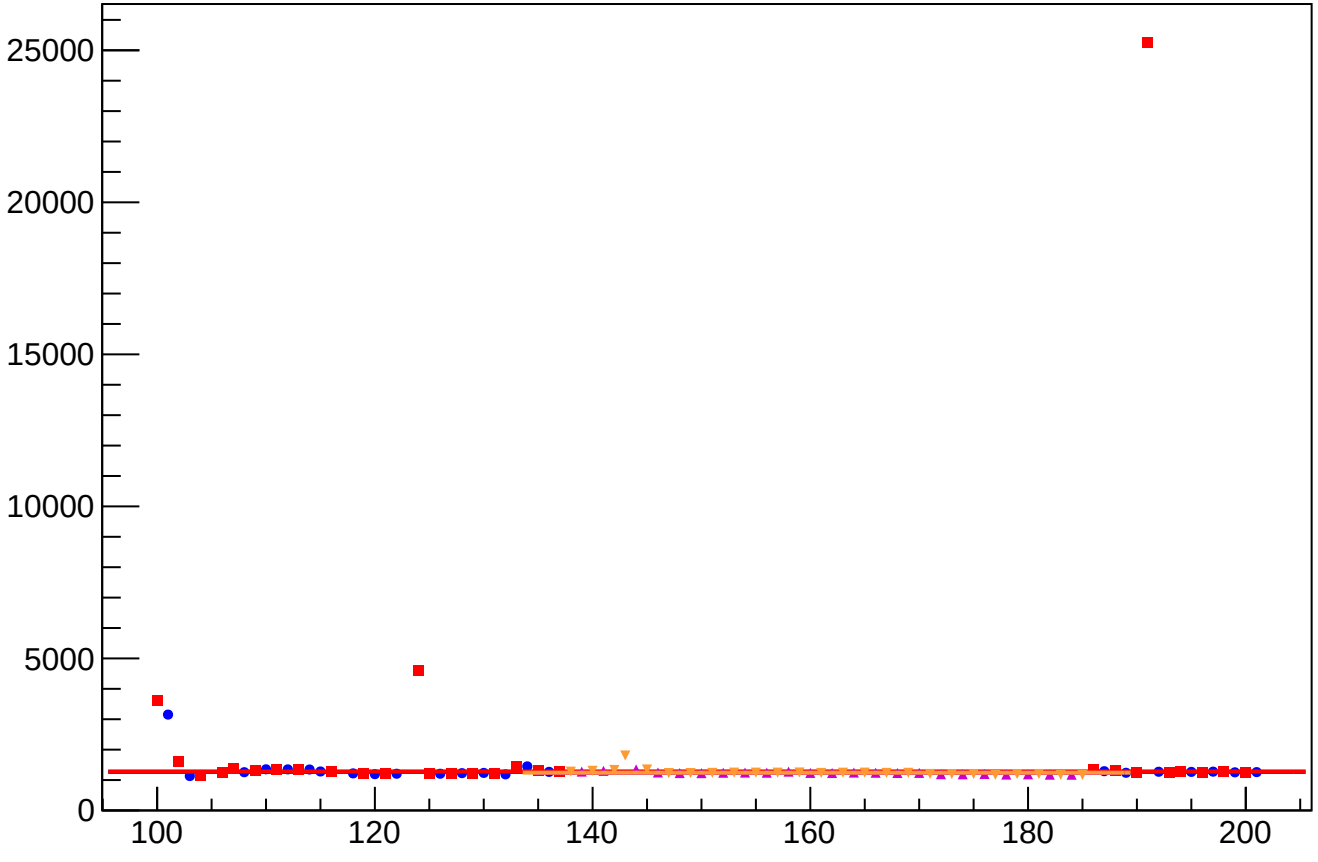
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -6.633+/-223.746 χ^2/NDF: 45.5/47

All: 168.285+/-158.160 χ^2/NDF: 89.3/98

- sign 342.971+/-223.599 χ^2/NDF: 42.6/50

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

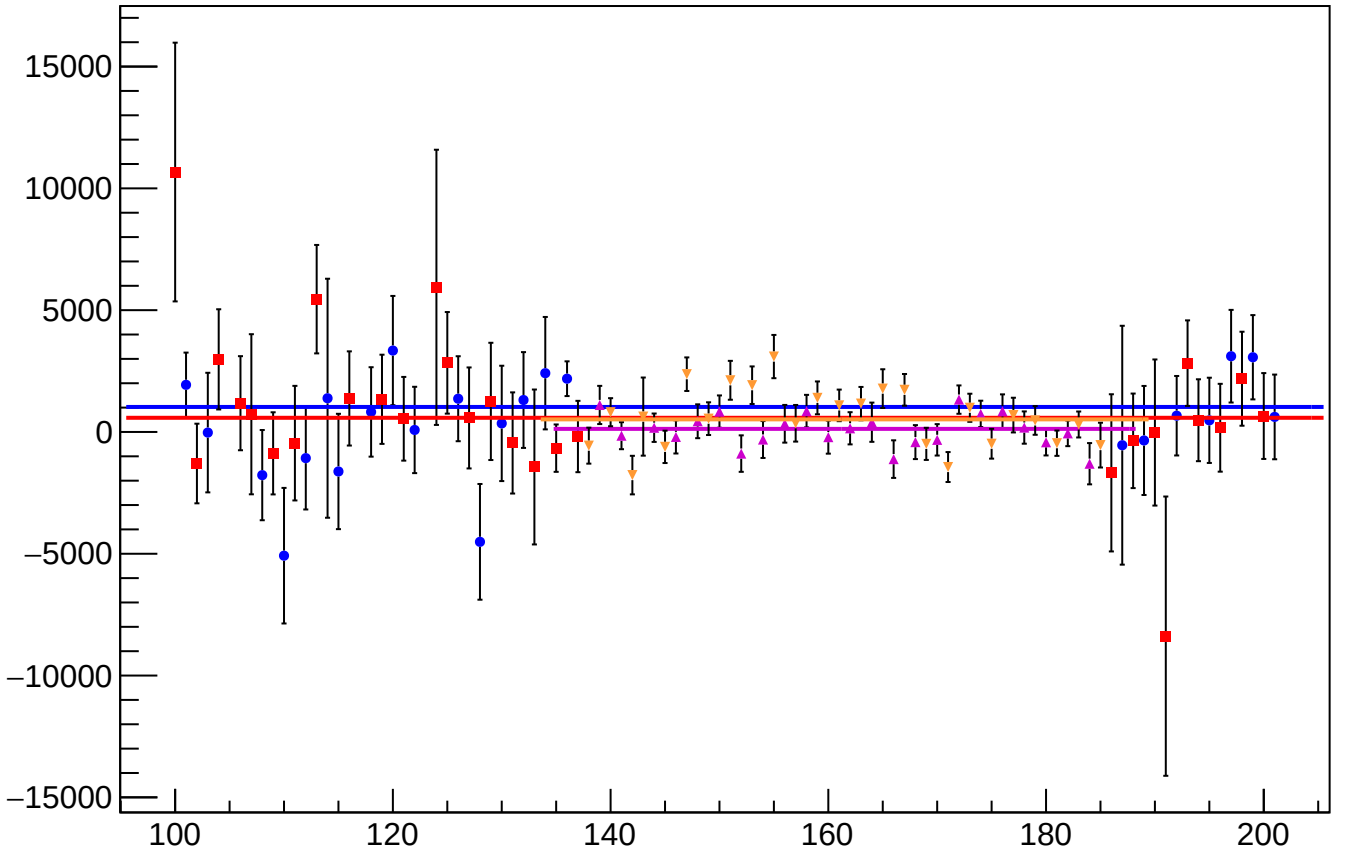
Right Out: 1281.095+/-0.251 χ^2/NDF: 469089.6/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.743+/-0.158 χ^2/NDF: 730348.4/47

All: 1252.672+/-0.112 χ^2/NDF: 1260205.1/98

- sign 1252.601+/-0.158 χ^2/NDF: 529856.3/50



Right In: 1026.648+/-367.611 χ^2/NDF: 23.2/22

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

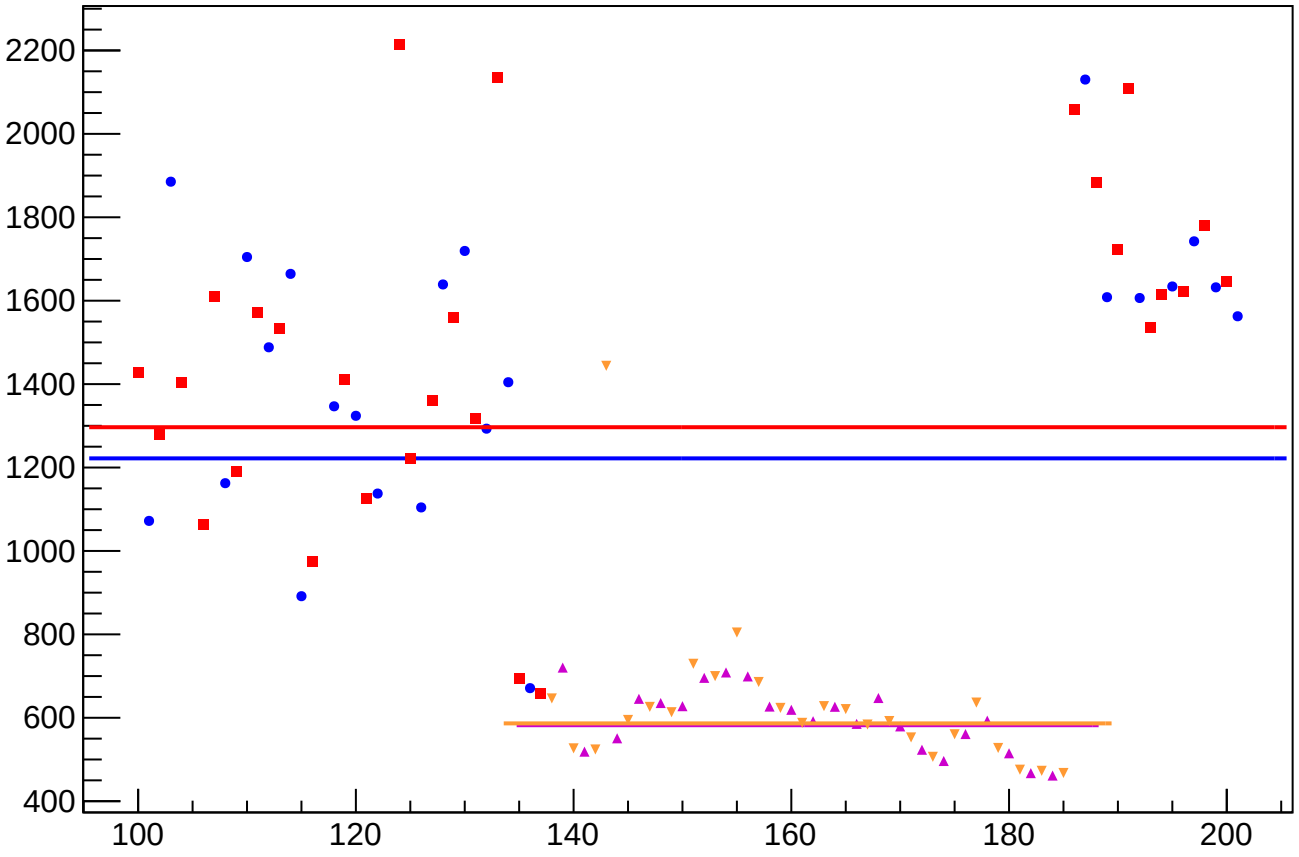
Right Out: 581.728+/-371.456 χ^2/NDF: 22.8/27

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 577.972+/-127.341 χ^2/NDF: 91.9/47

All: 381.806+/-90.540 χ^2/NDF: 142.4/98

\- sign 181.256+/-128.756 χ^2/NDF: 45.6/50



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: 1296.664+/-0.263 χ^2/NDF: 2316797.2/27

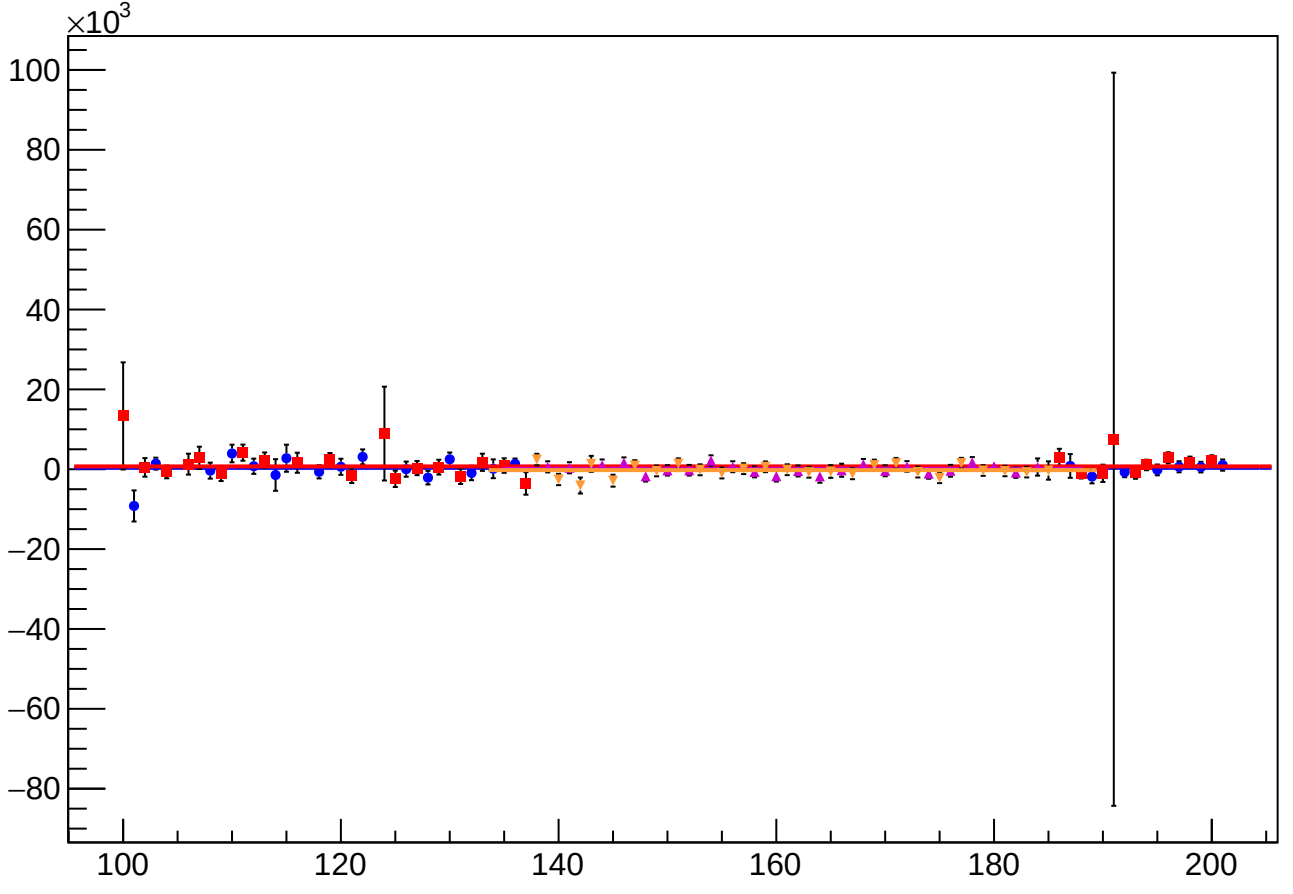
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 662.803+/-0.090 χ^2/NDF: 8857797.8/47

All: 665.390+/-0.064 χ^2/NDF: 18245767.4/98

- sign 668.034+/-0.091 χ^2/NDF: 9386300.9/50

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



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: 711.006+/-354.696 χ^2/NDF: 26.0/27

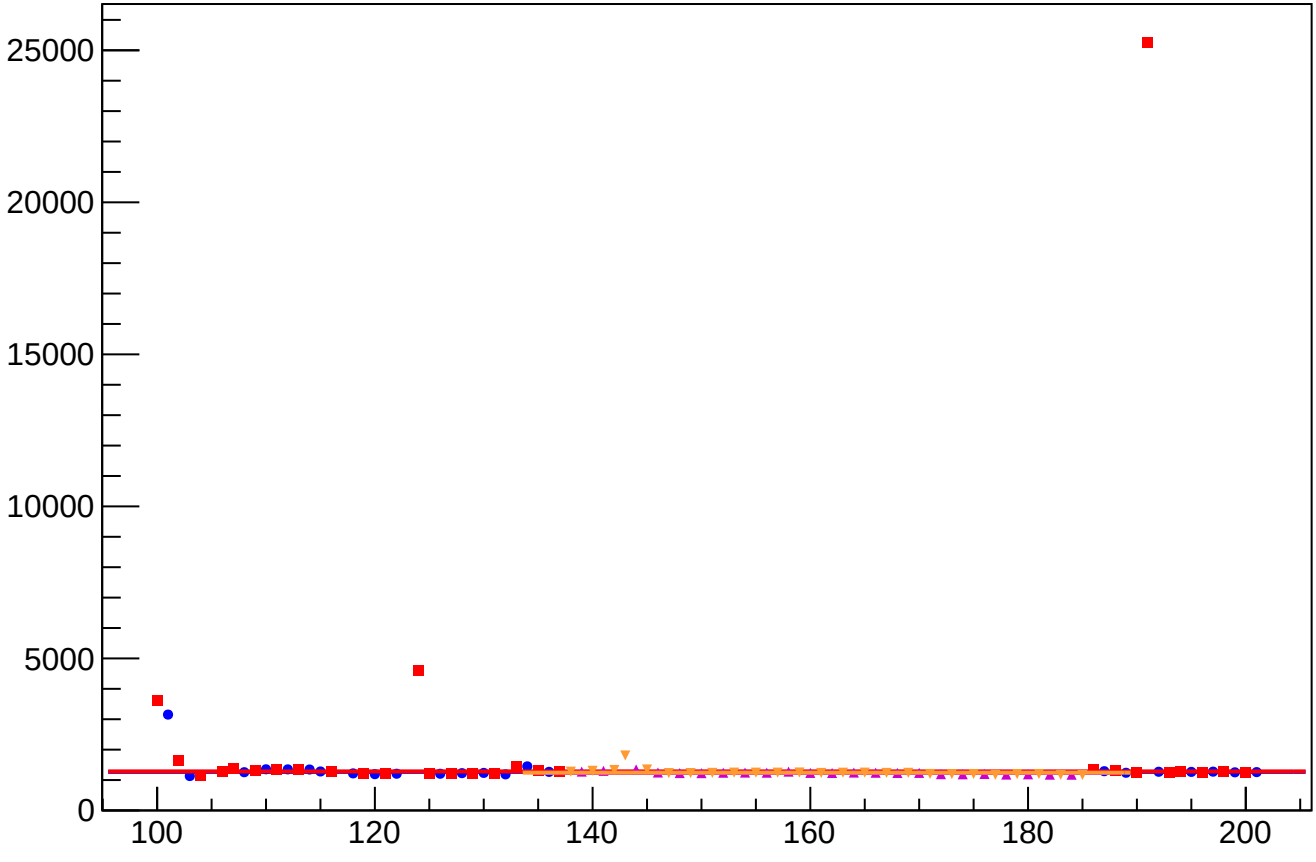
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -6.565+/-223.746 χ^2/NDF: 45.5/47

All: 165.997+/-158.189 χ^2/NDF: 89.2/98

- sign 338.457+/-223.681 χ^2/NDF: 42.5/50

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

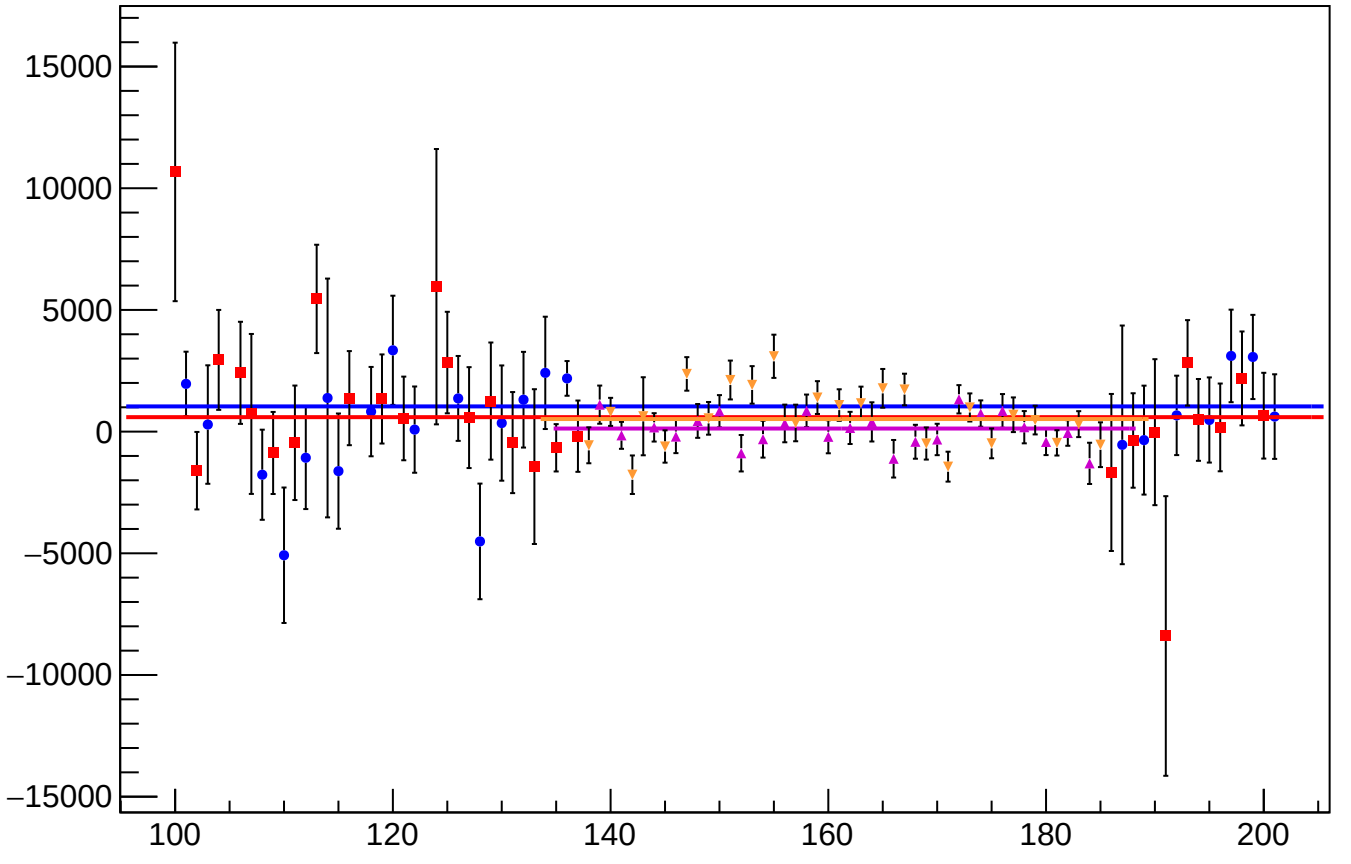
Right Out: 1282.336+/-0.251 χ^2/NDF: 475816.8/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.743+/-0.158 χ^2/NDF: 730349.8/47

All: 1252.908+/-0.112 χ^2/NDF: 1268051.2/98

- sign 1253.074+/-0.158 χ^2/NDF: 537699.2/50



Right In: 1035.835+/-367.497 χ^2/NDF: 23.2/22

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

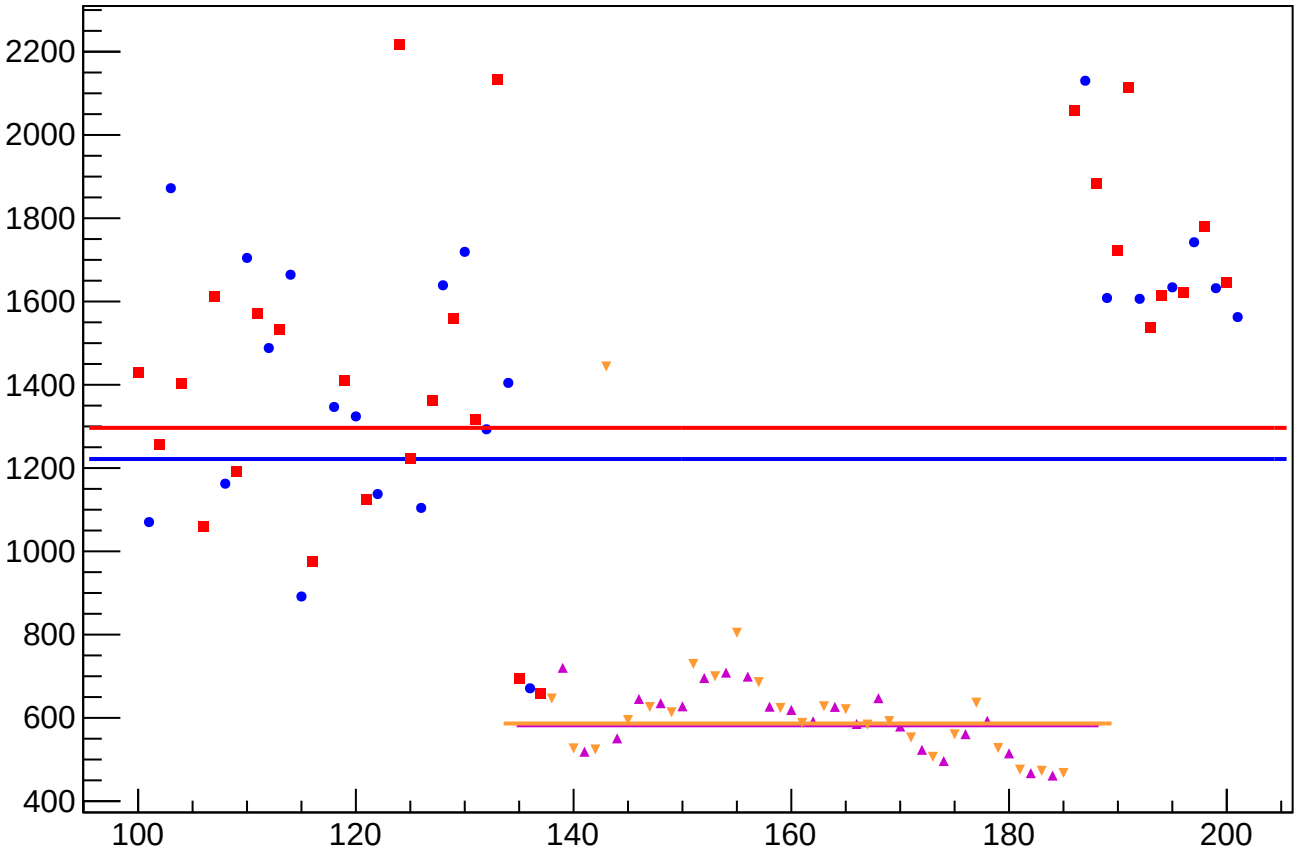
Right Out: 594.256+/-371.972 χ^2/NDF: 24.0/27

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 579.126+/-127.337 χ^2/NDF: 91.9/47

All: 383.095+/-90.546 χ^2/NDF: 143.7/98

\- sign 182.607+/-128.777 χ^2/NDF: 46.9/50



Right In: 1221.736+/-0.260 χ^2/NDF: 2393881.7/22

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

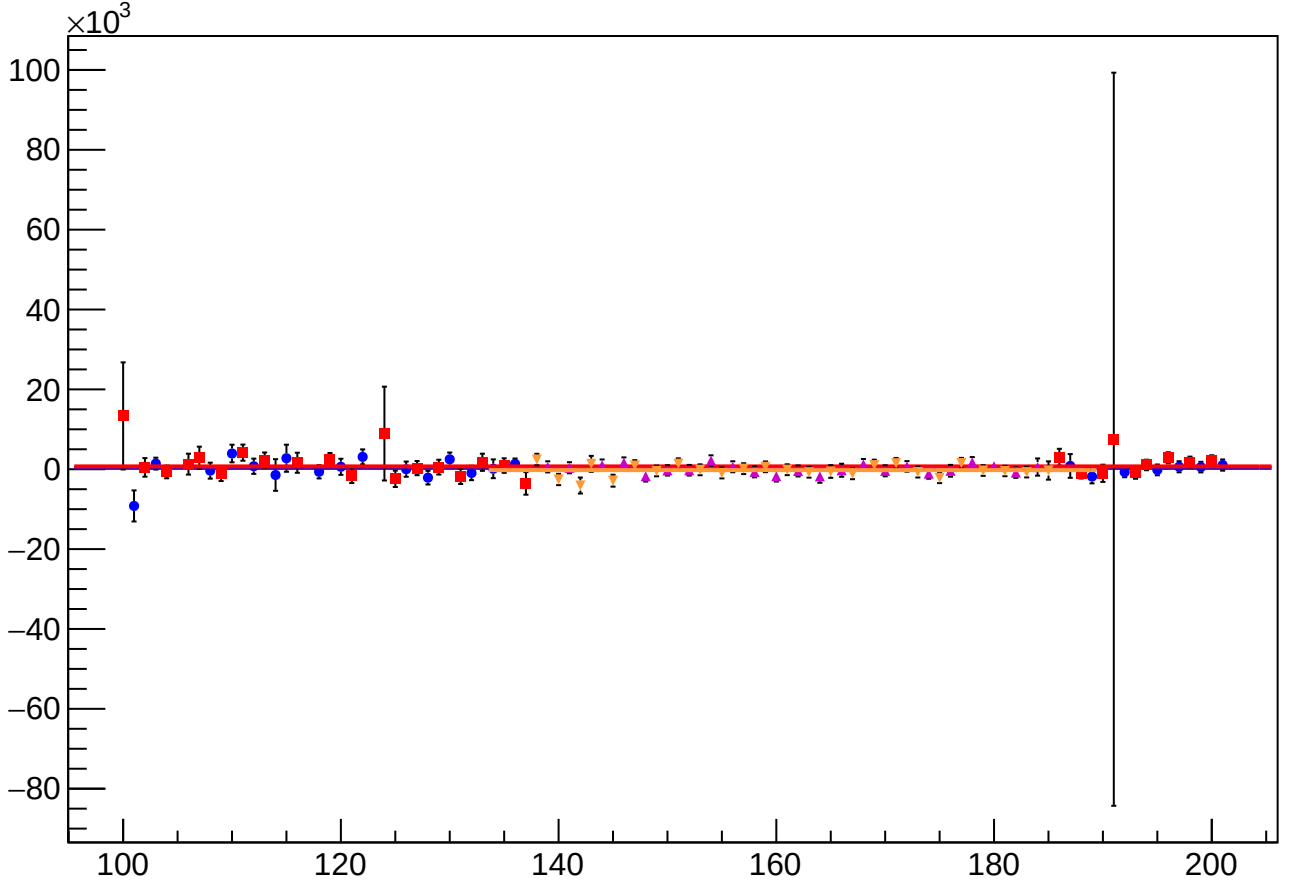
Right Out: 1296.599+/-0.263 χ^2/NDF: 2314425.1/27

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 662.822+/-0.090 χ^2/NDF: 8853967.9/47

All: 665.290+/-0.064 χ^2/NDF: 18222362.3/98

- sign 667.814+/-0.091 χ^2/NDF: 9366874.5/50



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: 711.006+/-354.696 χ^2/NDF: 26.0/27

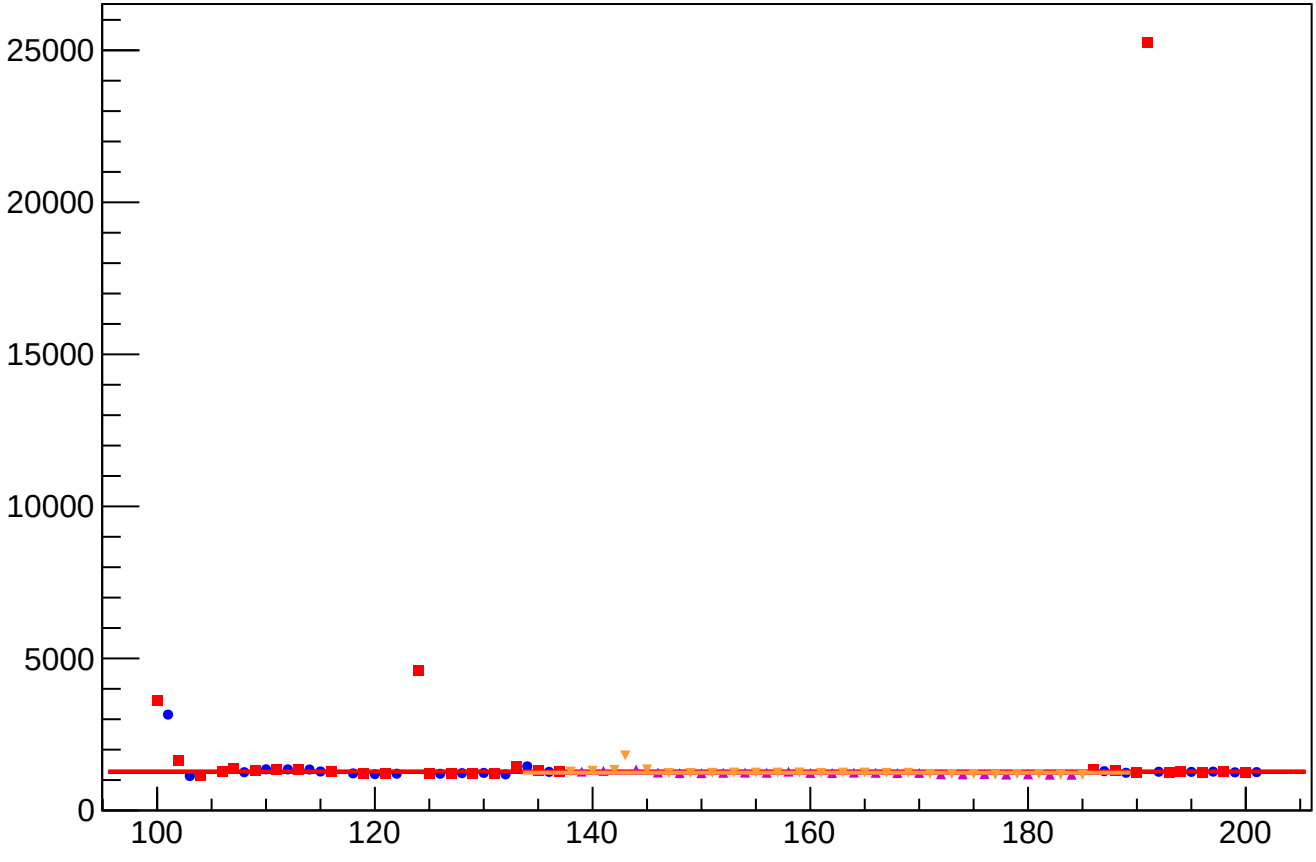
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -6.565+/-223.746 χ^2/NDF: 45.5/47

All: 165.997+/-158.189 χ^2/NDF: 89.2/98

- sign 338.457+/-223.681 χ^2/NDF: 42.5/50

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

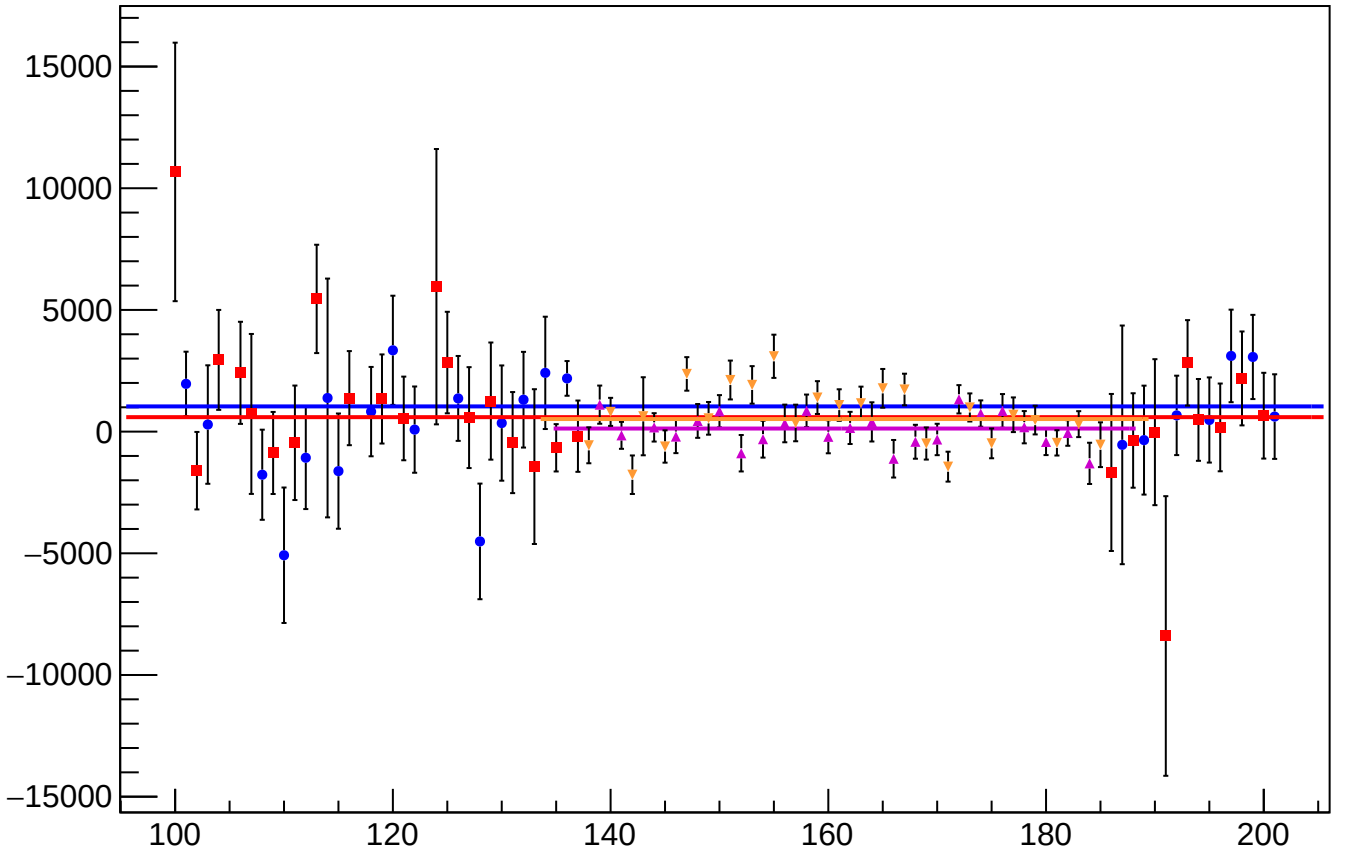
Right Out: 1282.336+/-0.251 χ^2/NDF: 475816.8/27

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.743+/-0.158 χ^2/NDF: 730349.8/47

All: 1252.908+/-0.112 χ^2/NDF: 1268051.2/98

- sign 1253.074+/-0.158 χ^2/NDF: 537699.2/50



Right In: 1035.835+/-367.497 χ^2/NDF: 23.2/22

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

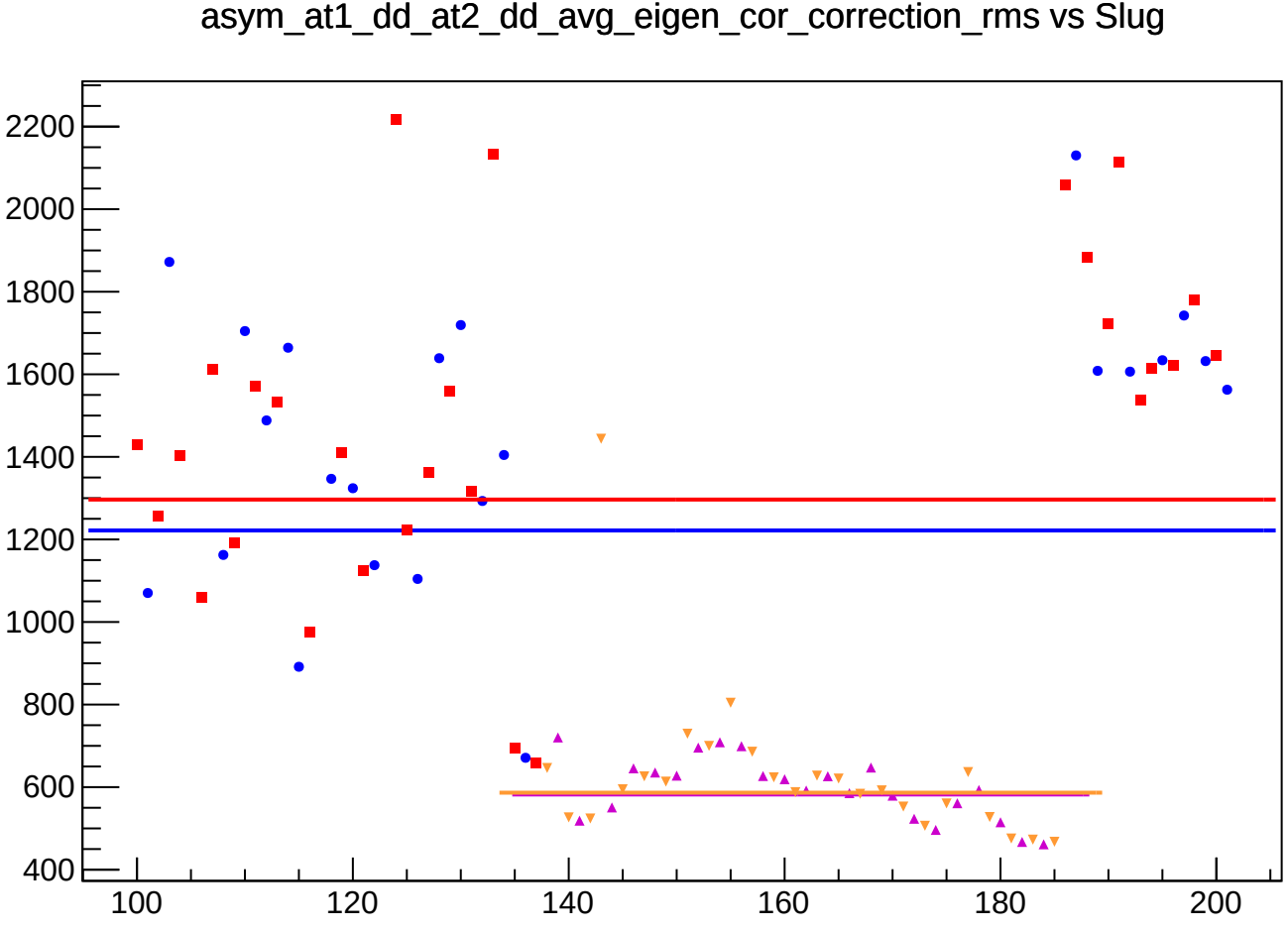
Right Out: 594.256+/-371.972 χ^2/NDF: 24.0/27

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 579.126+/-127.337 χ^2/NDF: 91.9/47

All: 383.095+/-90.546 χ^2/NDF: 143.7/98

- sign 182.607+/-128.777 χ^2/NDF: 46.9/50



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: 1296.599+/-0.263 χ^2/NDF: 2314425.1/27

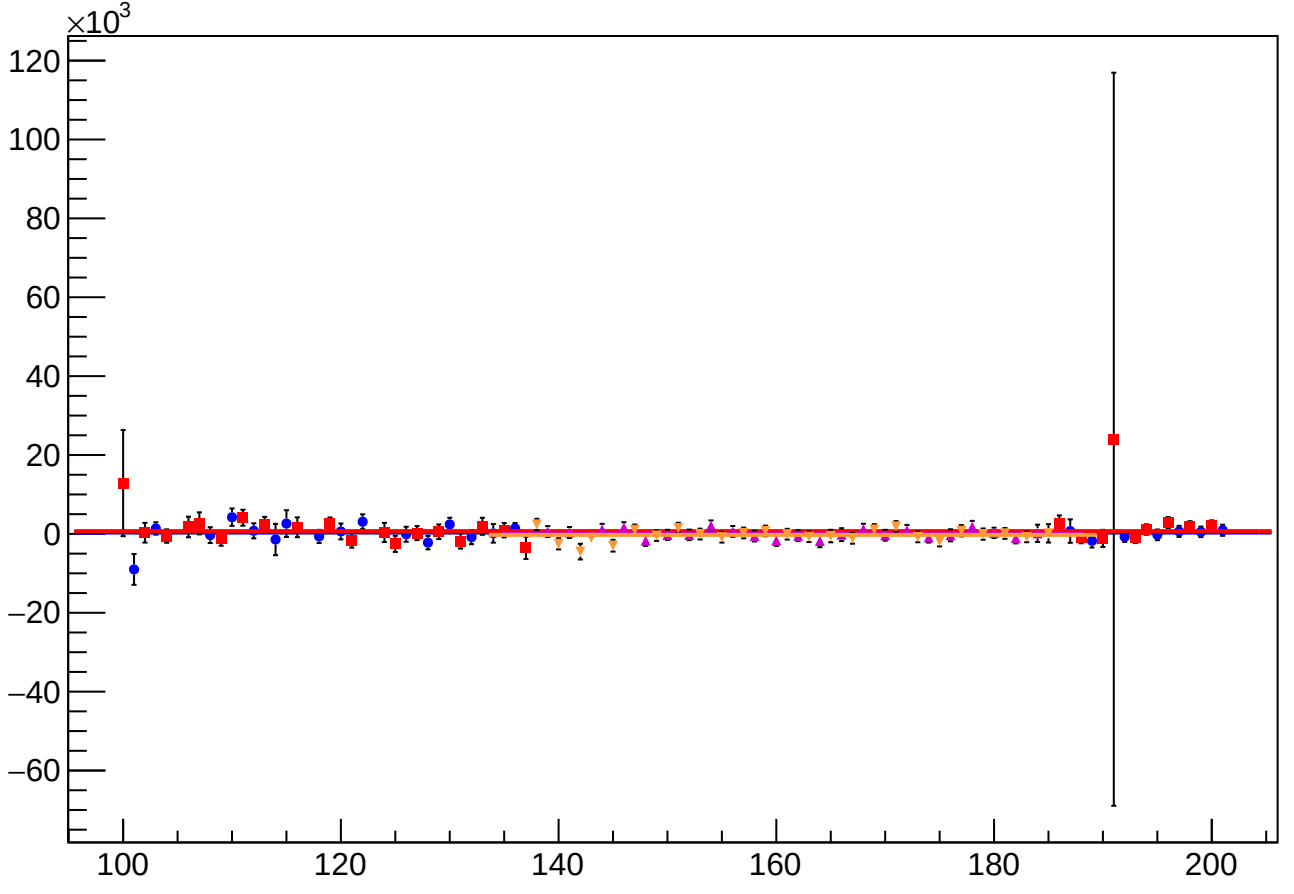
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 662.822+/-0.090 χ^2/NDF: 8853967.9/47

All: 665.290+/-0.064 χ^2/NDF: 18222362.3/98

- sign 667.814+/-0.091 χ^2/NDF: 9366874.5/50

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: 699.637+/-353.287 χ^2/NDF: 25.5/27

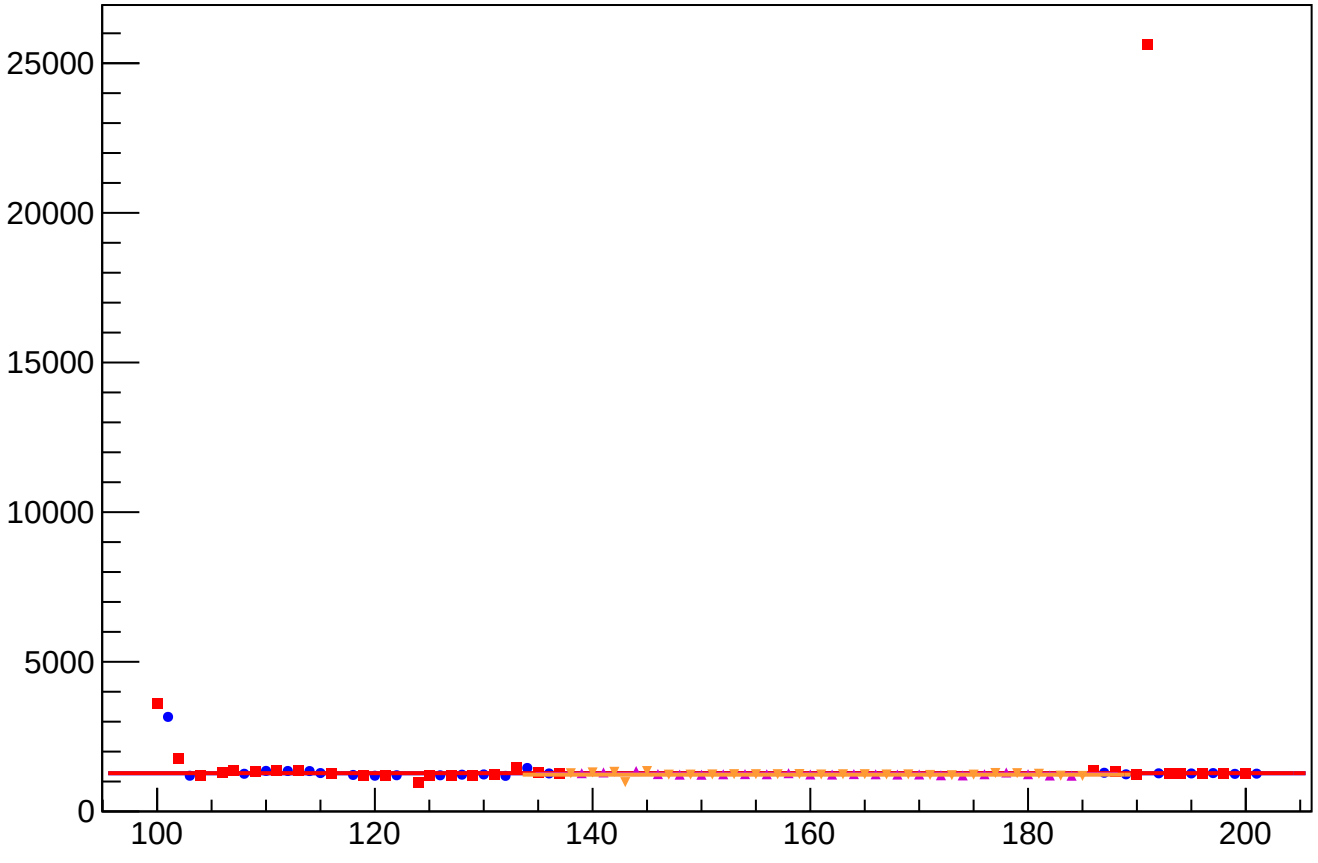
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -34.878+/-222.547 χ^2/NDF: 45.7/47

All: 144.661+/-158.163 χ^2/NDF: 88.4/98

- sign 327.893+/-224.824 χ^2/NDF: 41.4/50

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

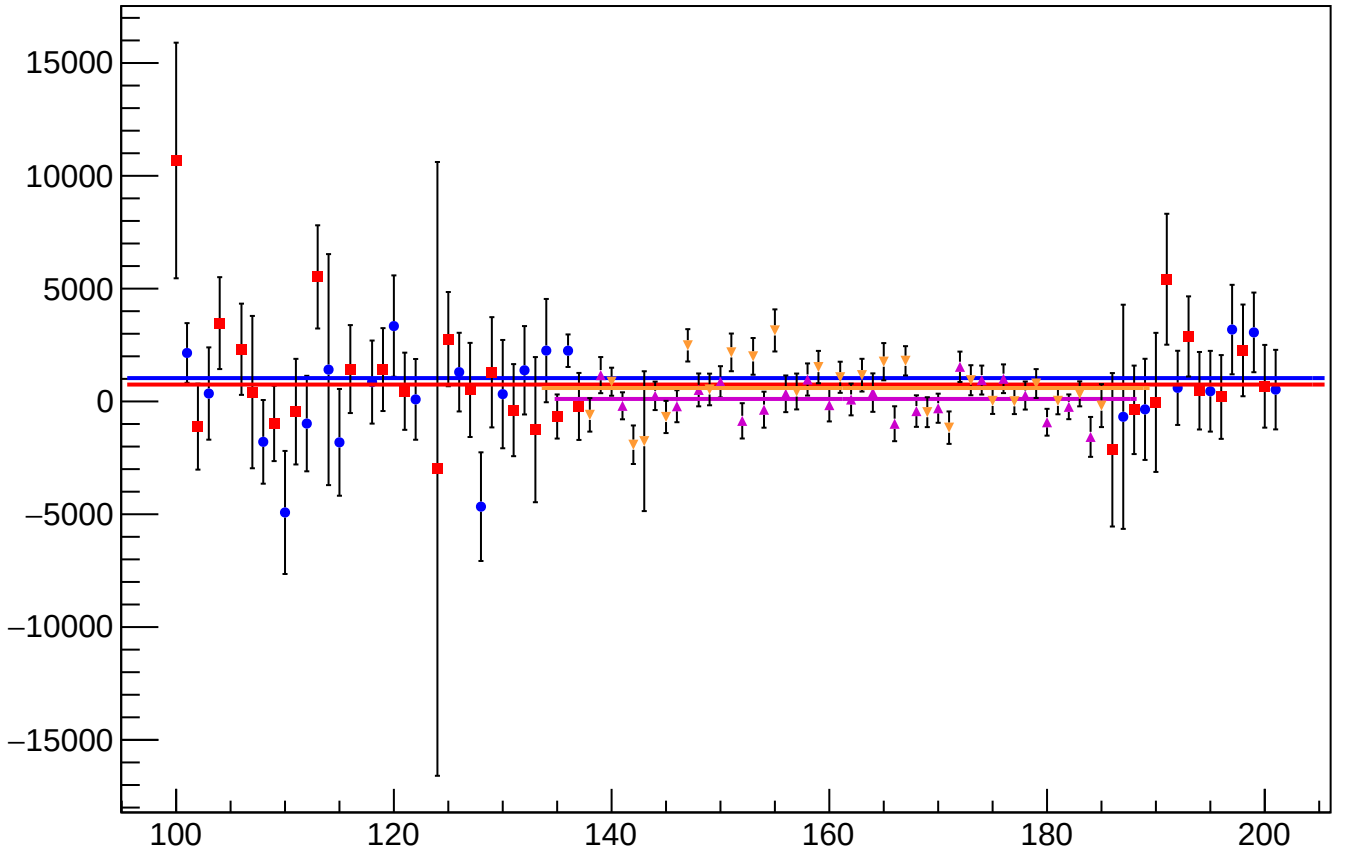
Right Out: 1279.595+/-0.250 χ^2/NDF: 368924.4/27

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.576+/-0.157 χ^2/NDF: 669617.8/47

All: 1253.550+/-0.112 χ^2/NDF: 1079499.4/98

- sign 1260.667+/-0.159 χ^2/NDF: 405913.0/50



Right In: 1034.739+/-368.861 χ^2/NDF: 23.7/22

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

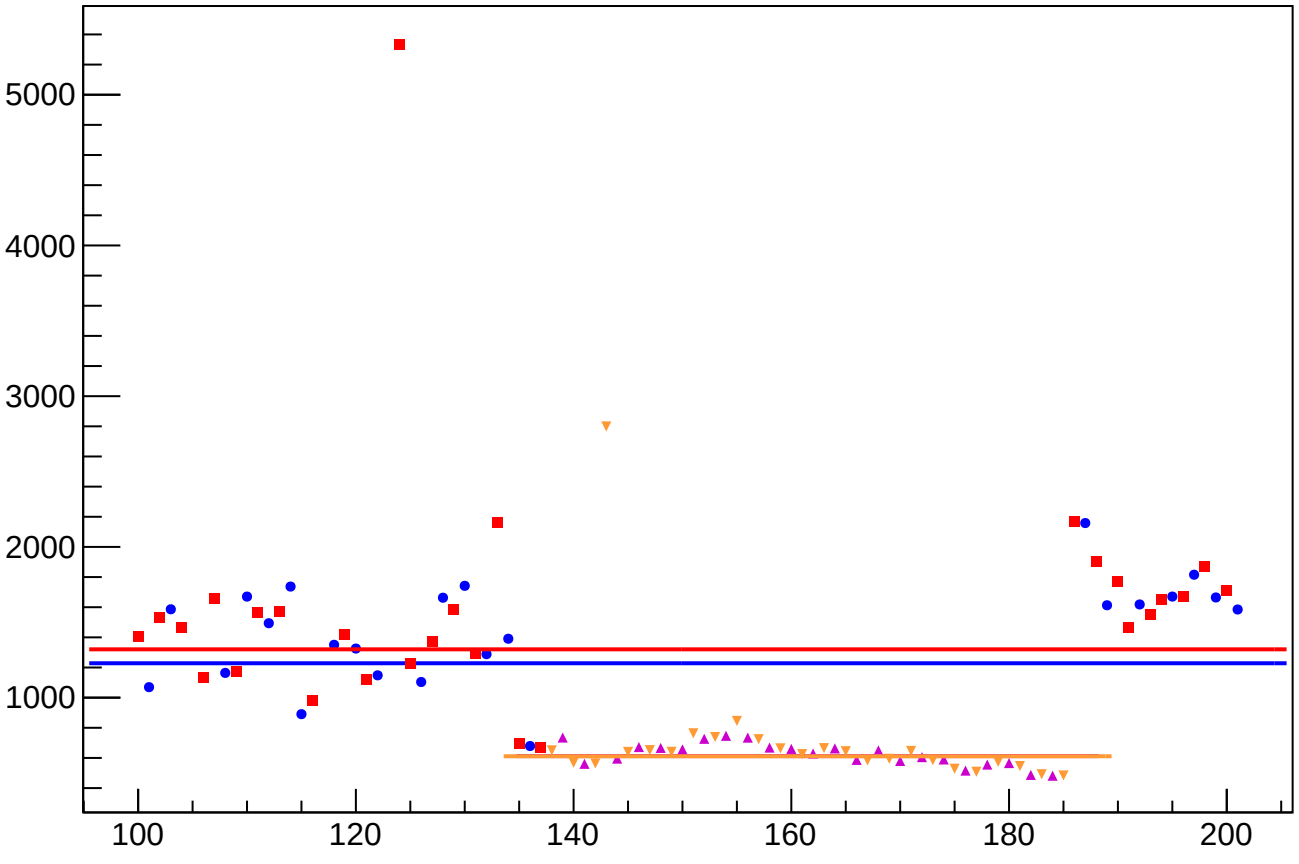
Right Out: 748.259+/-376.775 χ^2/NDF: 23.0/27

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 651.849+/-132.625 χ^2/NDF: 82.3/47

All: 425.393+/-94.505 χ^2/NDF: 139.5/98

- sign 191.797+/-134.700 χ^2/NDF: 51.3/50



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: 1320.550+/-0.266 χ^2/NDF: 2529348.7/27

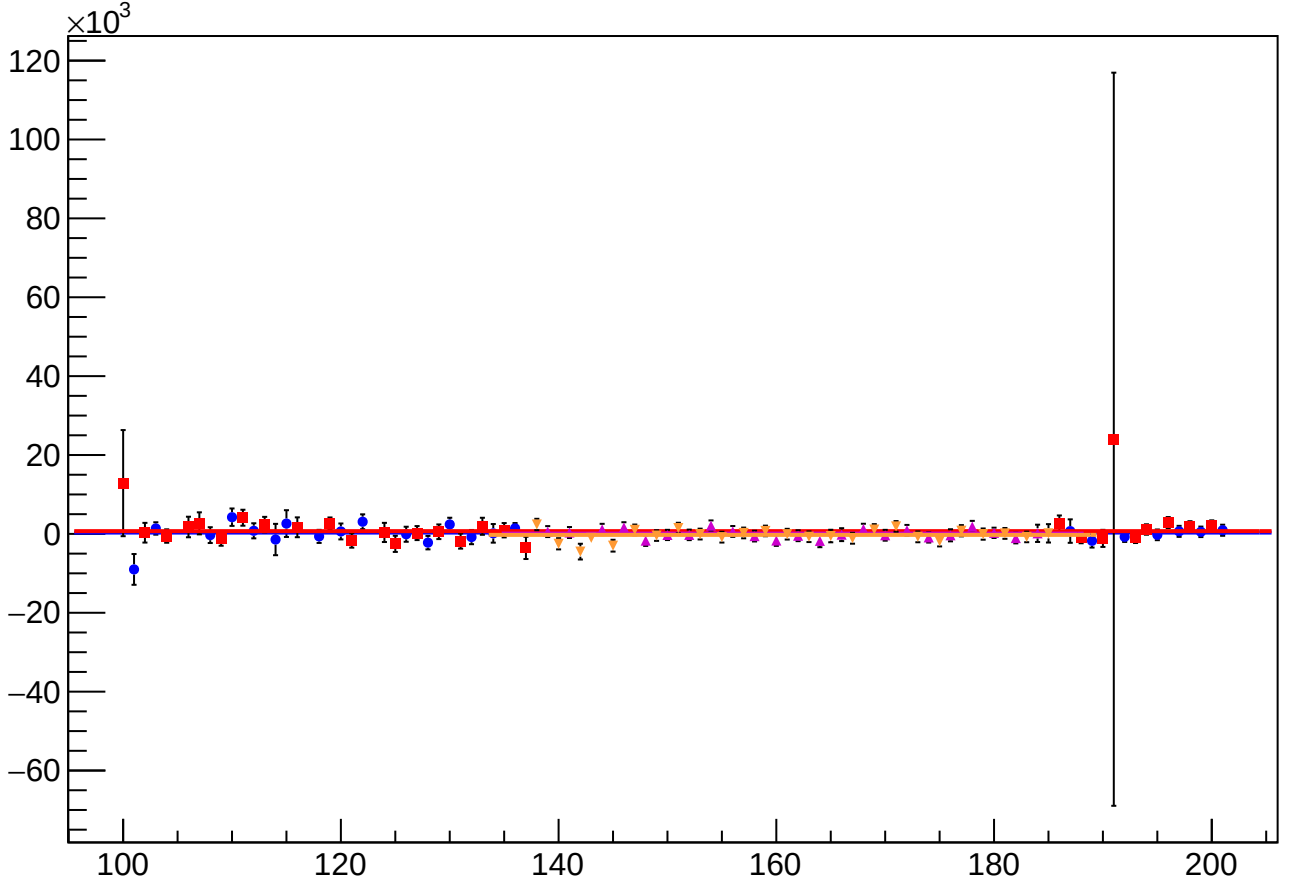
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 690.864+/-0.094 χ^2/NDF: 8829268.4/47

All: 696.793+/-0.067 χ^2/NDF: 18037405.8/98

- sign 702.909+/-0.095 χ^2/NDF: 9200017.9/50

eigen_dit_asym_at1_dd_at2_dd_avg_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: 699.636+/-353.287 χ^2/NDF: 25.5/27

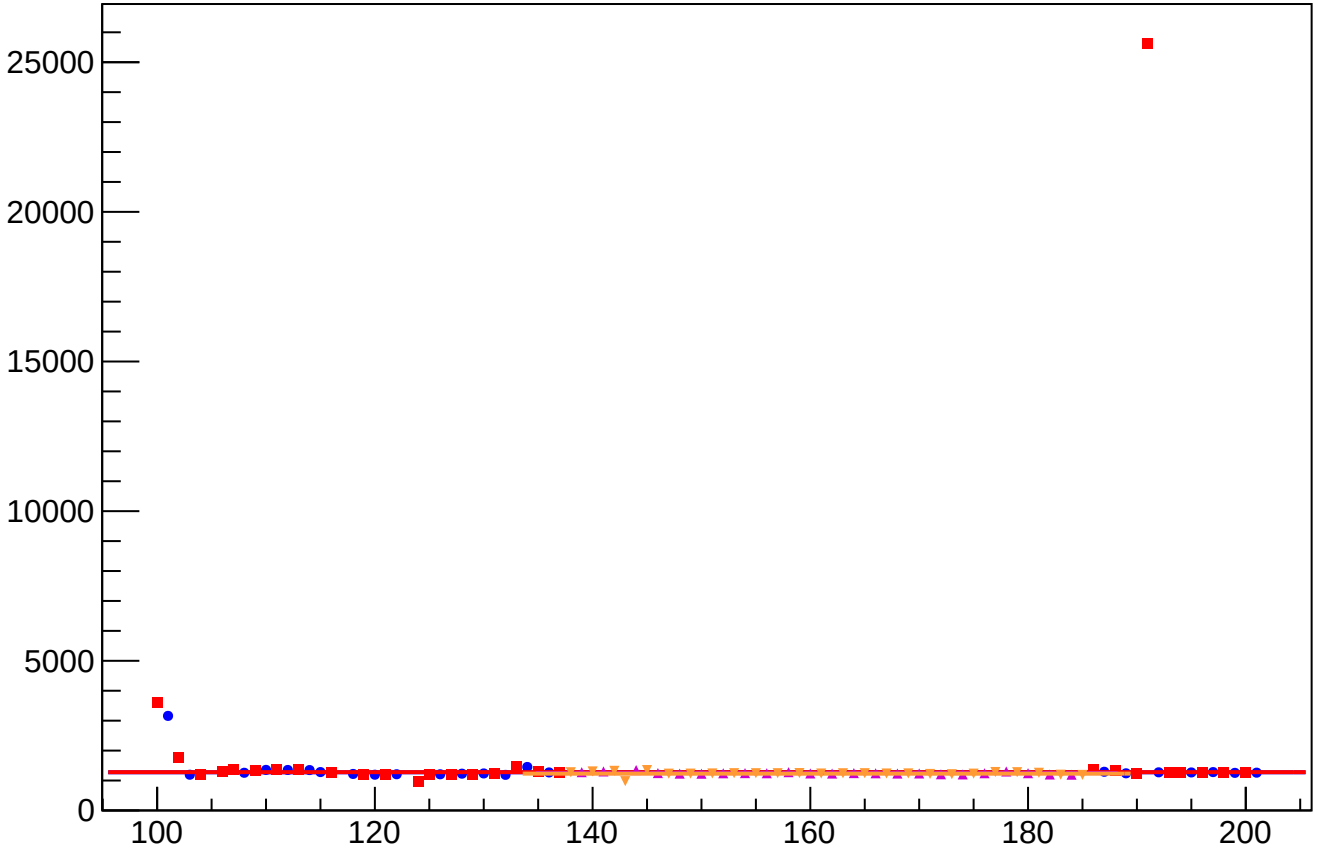
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -34.879+/-222.547 χ^2/NDF: 45.7/47

All: 144.660+/-158.163 χ^2/NDF: 88.4/98

- sign 327.893+/-224.824 χ^2/NDF: 41.4/50

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

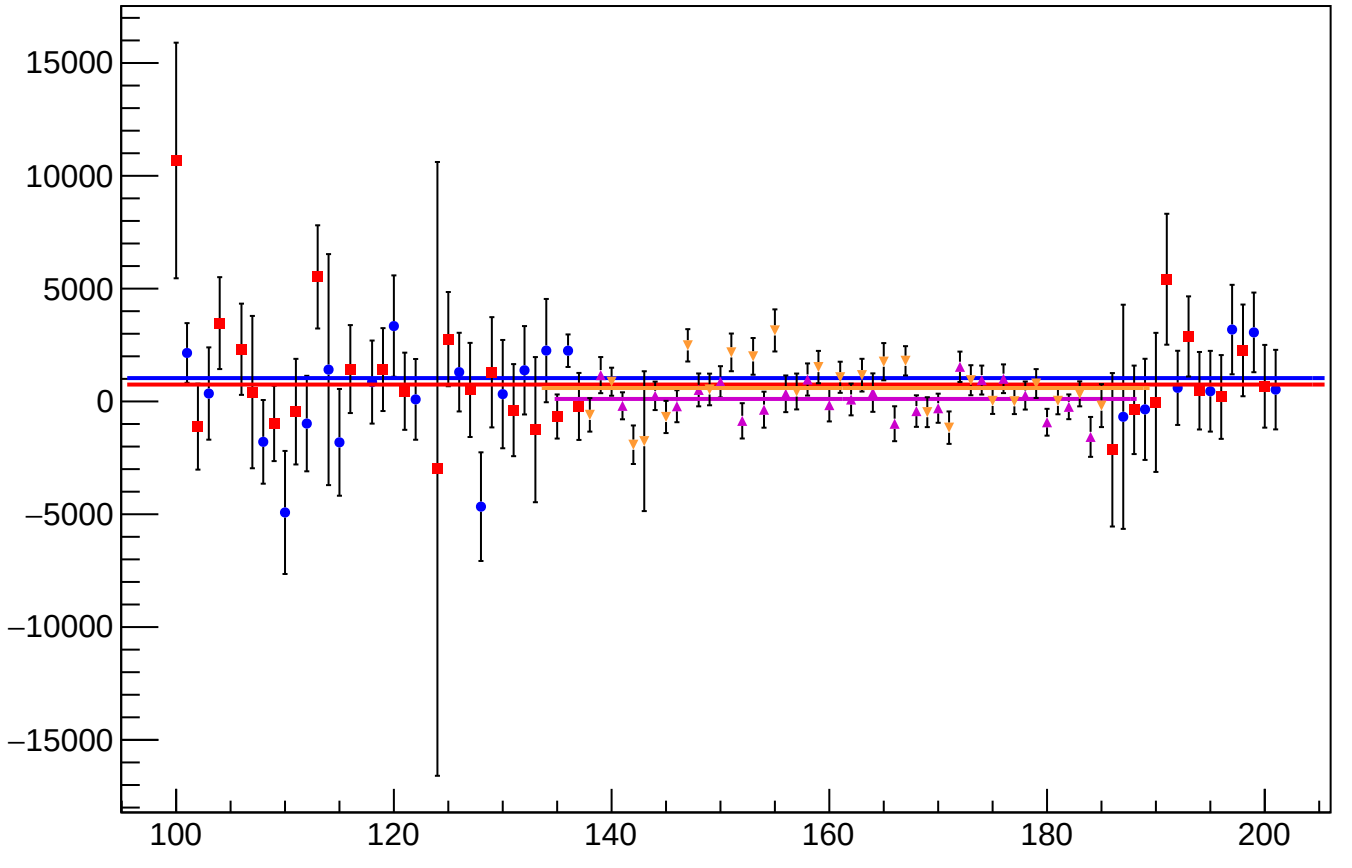
Right Out: 1279.595+/-0.250 χ^2/NDF: 368924.3/27

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.576+/-0.157 χ^2/NDF: 669616.9/47

All: 1253.550+/-0.112 χ^2/NDF: 1079498.4/98

- sign 1260.667+/-0.159 χ^2/NDF: 405912.9/50



Right In: 1034.736+/-368.862 χ^2/NDF: 23.7/22

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

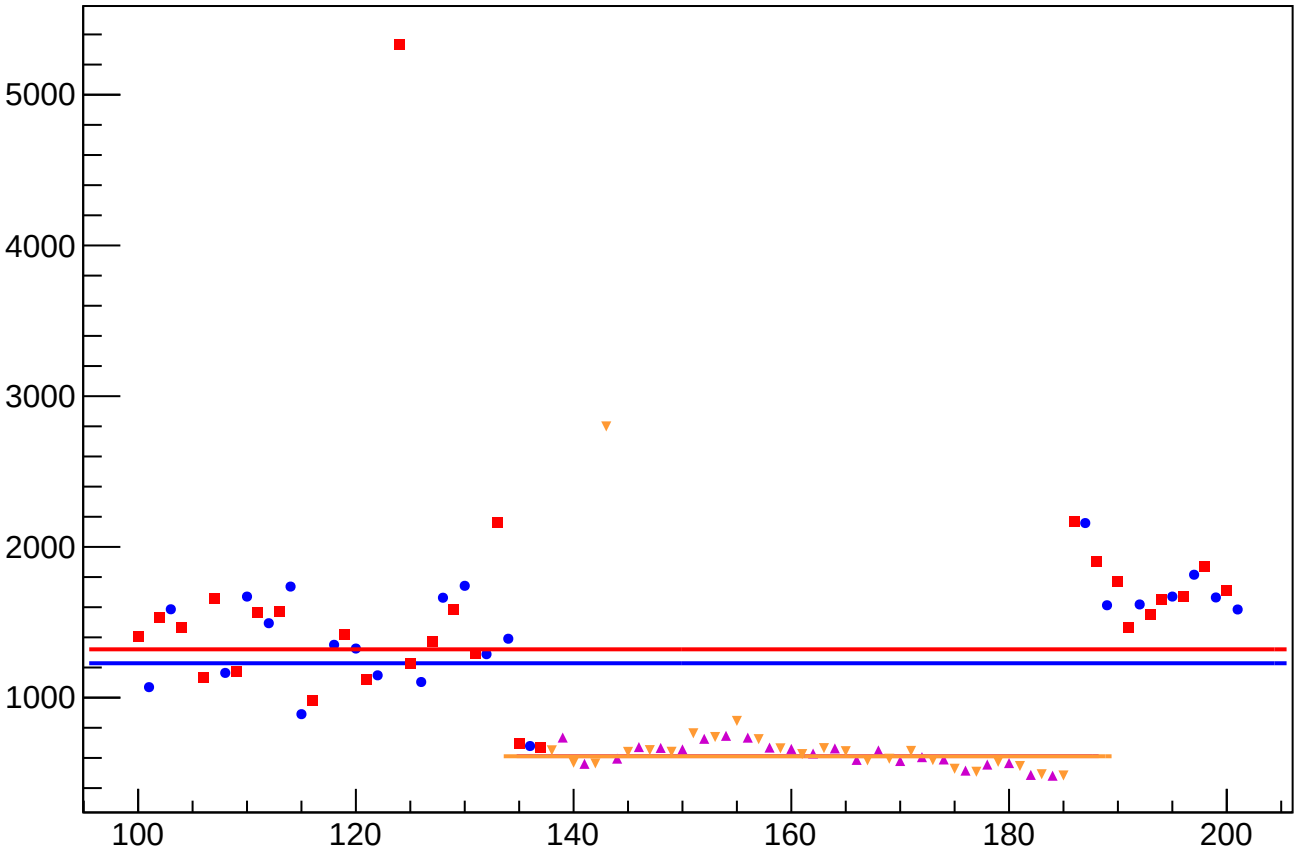
Right Out: 748.269+/-376.776 χ^2/NDF: 23.0/27

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 651.848+/-132.625 χ^2/NDF: 82.3/47

All: 425.392+/-94.505 χ^2/NDF: 139.5/98

- sign 191.797+/-134.700 χ^2/NDF: 51.3/50



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: 1320.556+/-0.266 χ^2/NDF: 2529270.4/27

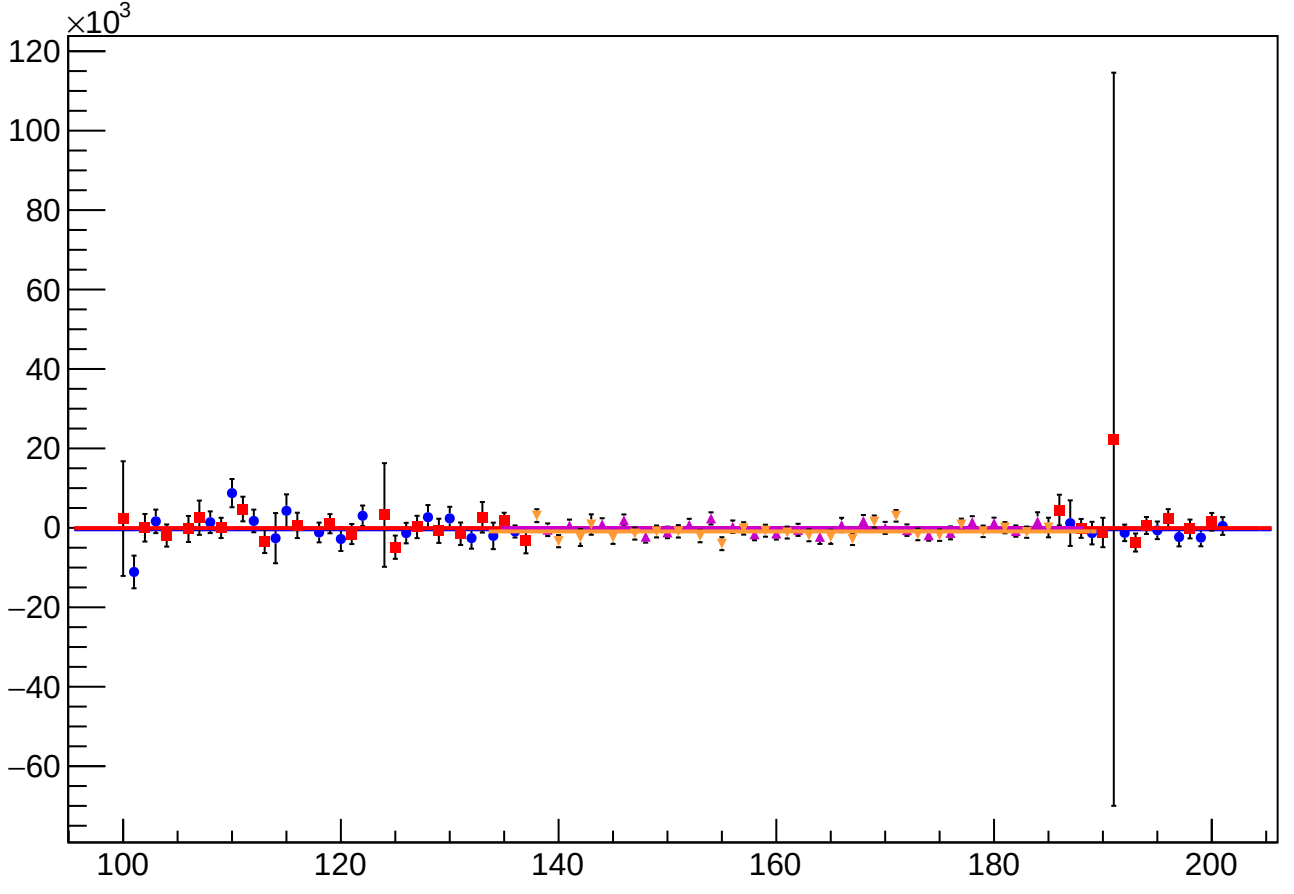
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 690.864+/-0.094 χ^2/NDF: 8829257.5/47

All: 696.793+/-0.067 χ^2/NDF: 18037405.0/98

- sign 702.908+/-0.095 χ^2/NDF: 9200028.7/50

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: -61.700+/-547.034 χ^2/NDF: 16.3/27

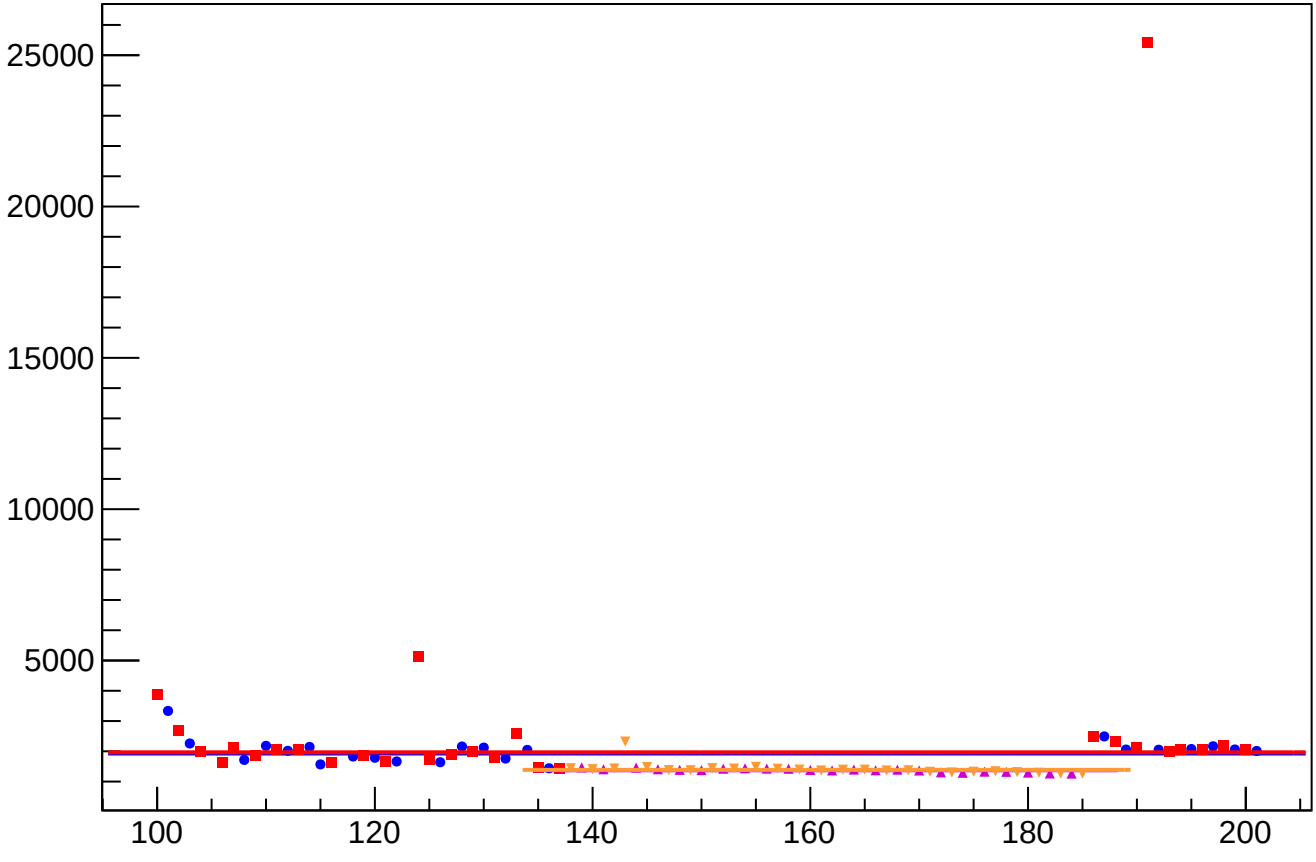
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -769.104+/-275.136 χ^2/NDF: 54.4/47

All: -412.546+/-195.139 χ^2/NDF: 91.9/98

- sign -51.640+/-276.809 χ^2/NDF: 34.2/50

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

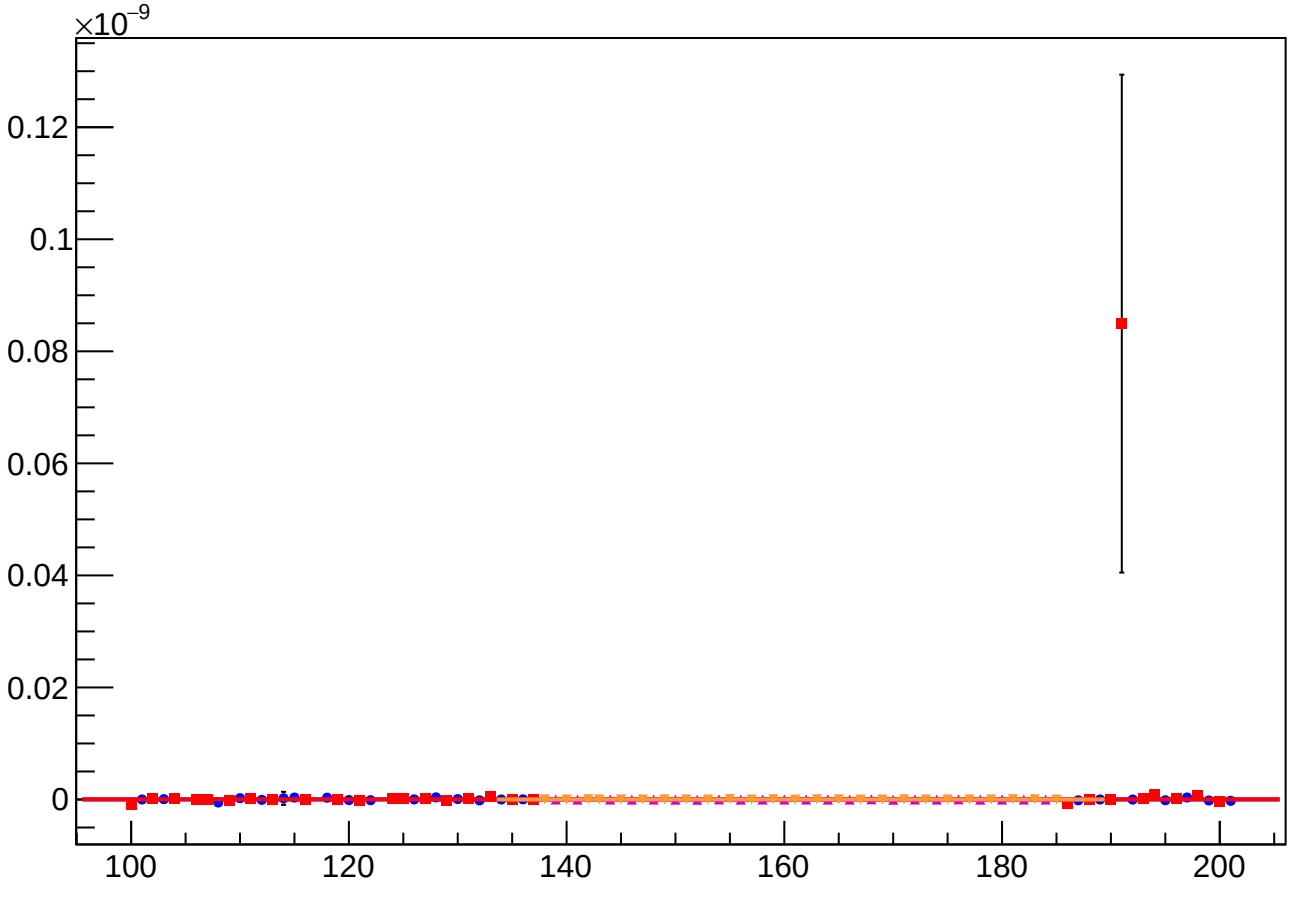
Right Out: 1966.810+/-0.387 χ^2/NDF: 814321.2/27

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1518.680+/-0.195 χ^2/NDF: 2421046.2/47

All: 1521.925+/-0.138 χ^2/NDF: 5052365.1/98

- sign 1525.210+/-0.196 χ^2/NDF: 2630758.9/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

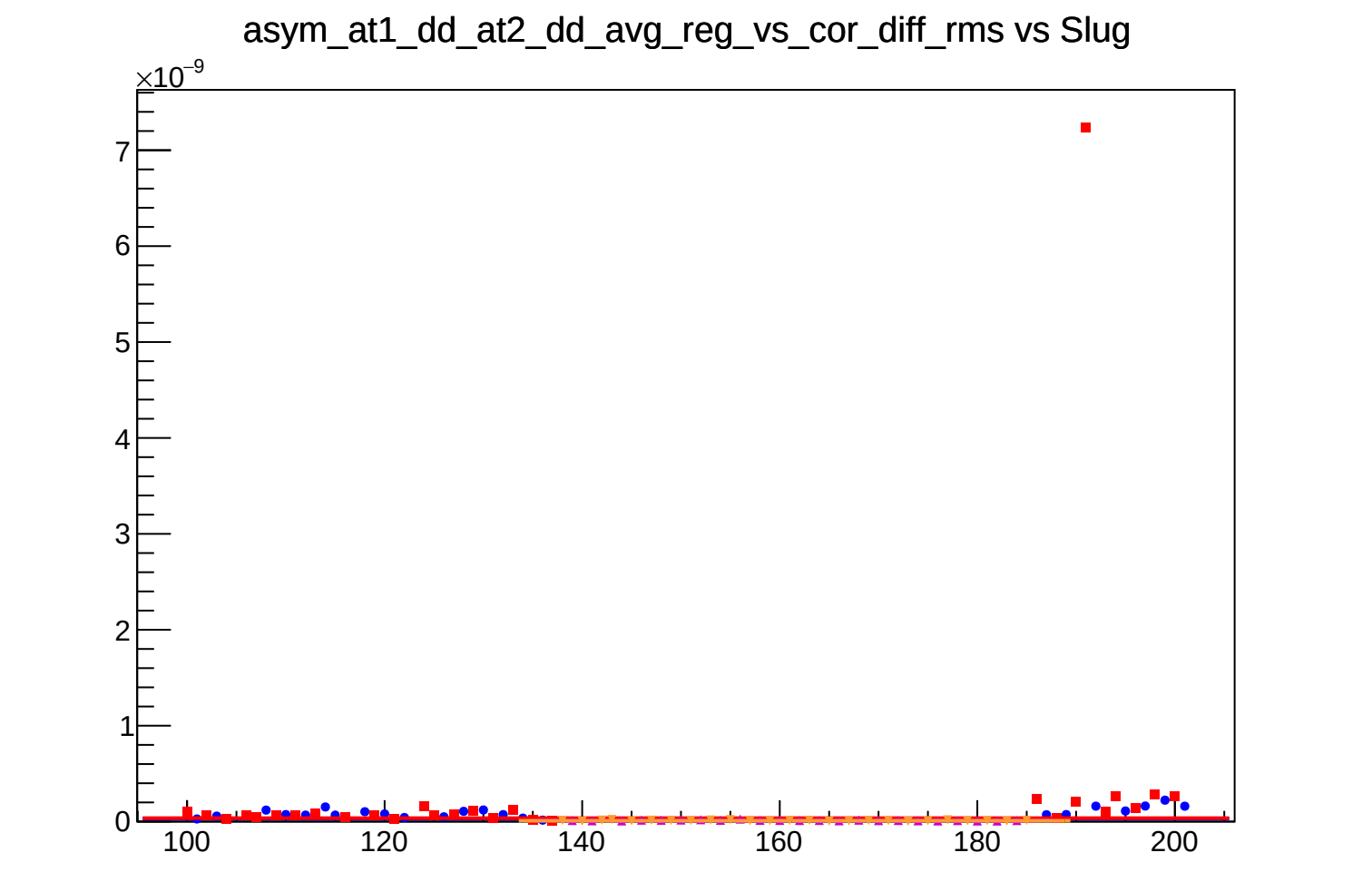
Right Out: 0.000+/-0.000 χ^2/NDF: 43.2/27

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: 104.2/98

- sign -0.000+/-0.000 χ^2/NDF: 57.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 5250732.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

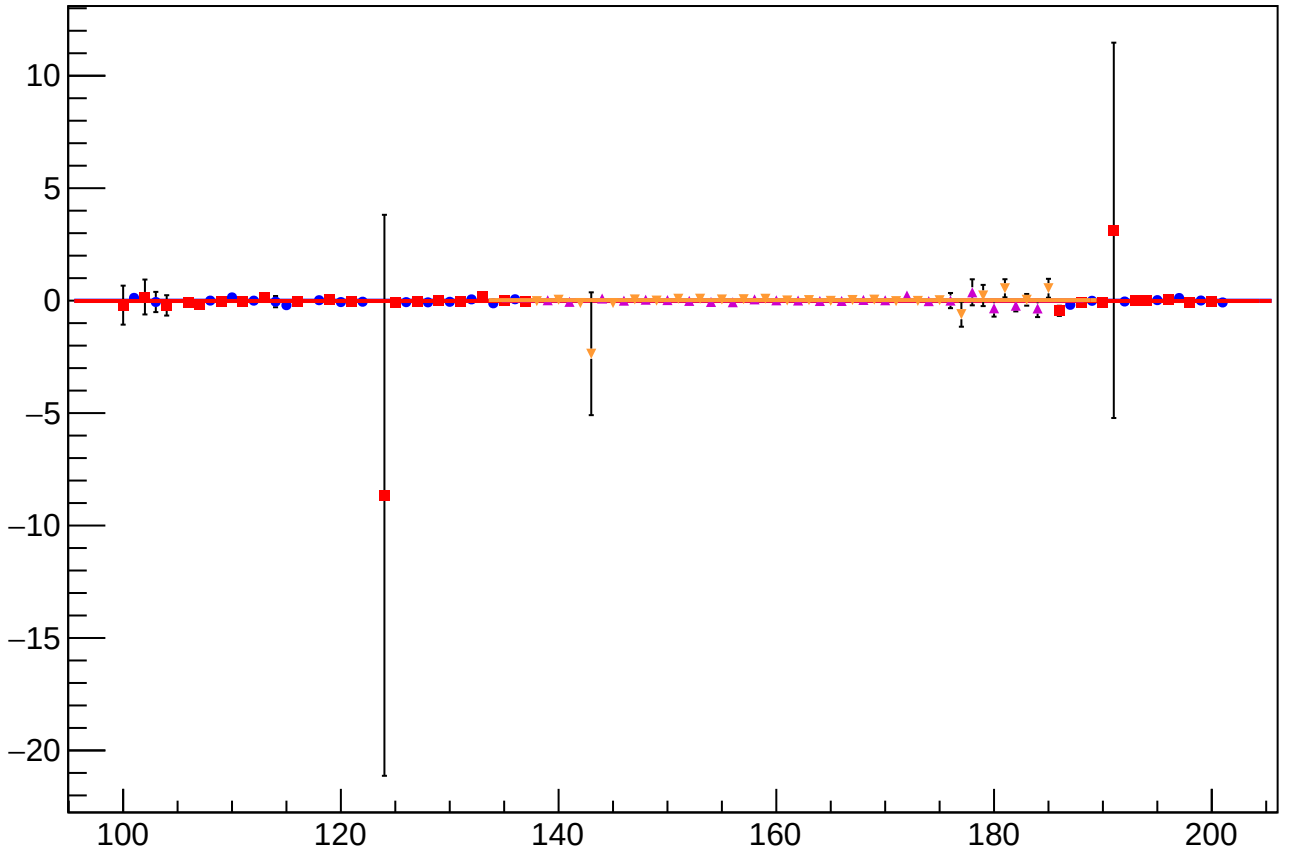
Right Out: 0.000+/-0.000 χ^2/NDF: 5618572.6/27

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: 20143991.1/98

- sign 0.000+/-0.000 χ^2/NDF: 9706813.3/50



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: -0.017+/-0.013 χ^2/NDF: 21.4/27

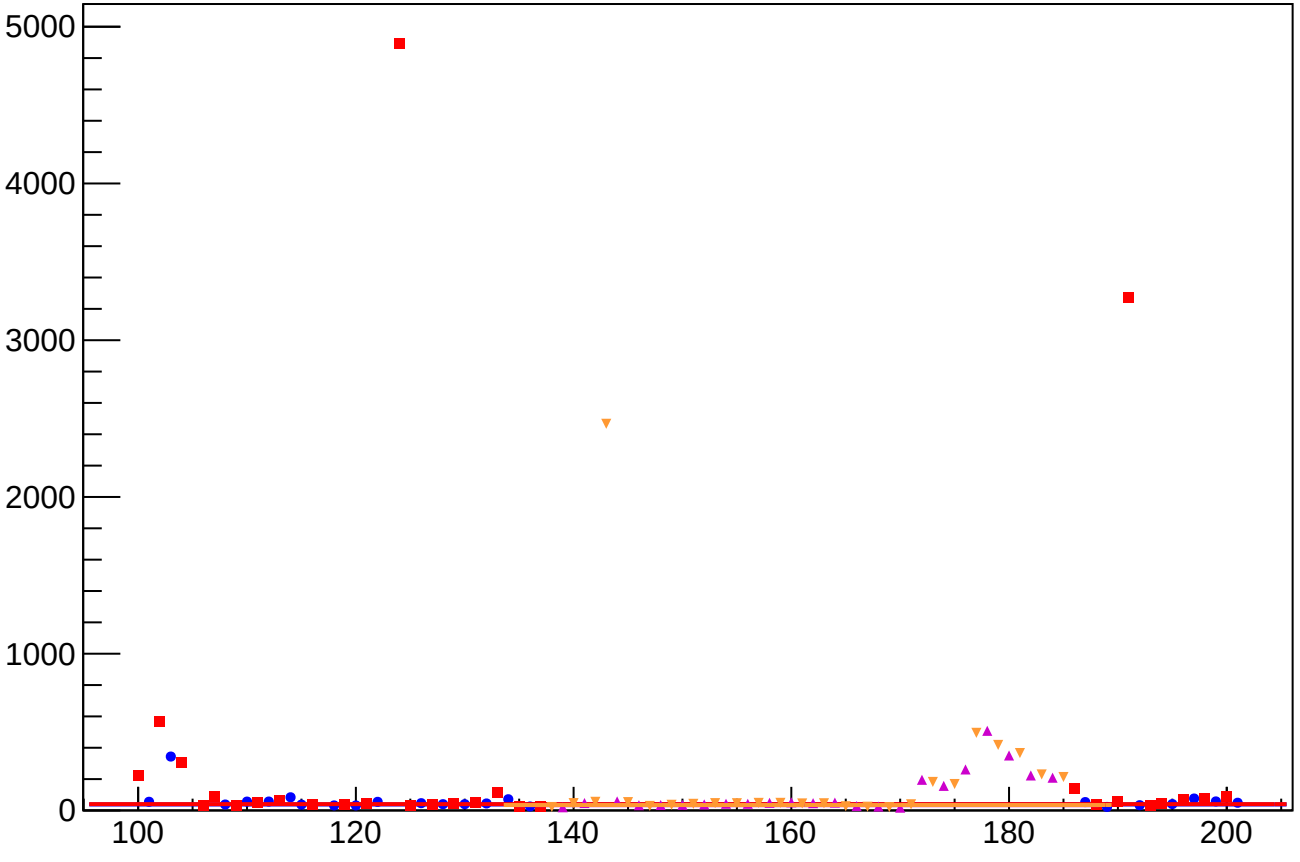
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.008 χ^2/NDF: 51.8/47

All: 0.007+/-0.006 χ^2/NDF: 92.0/98

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50

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

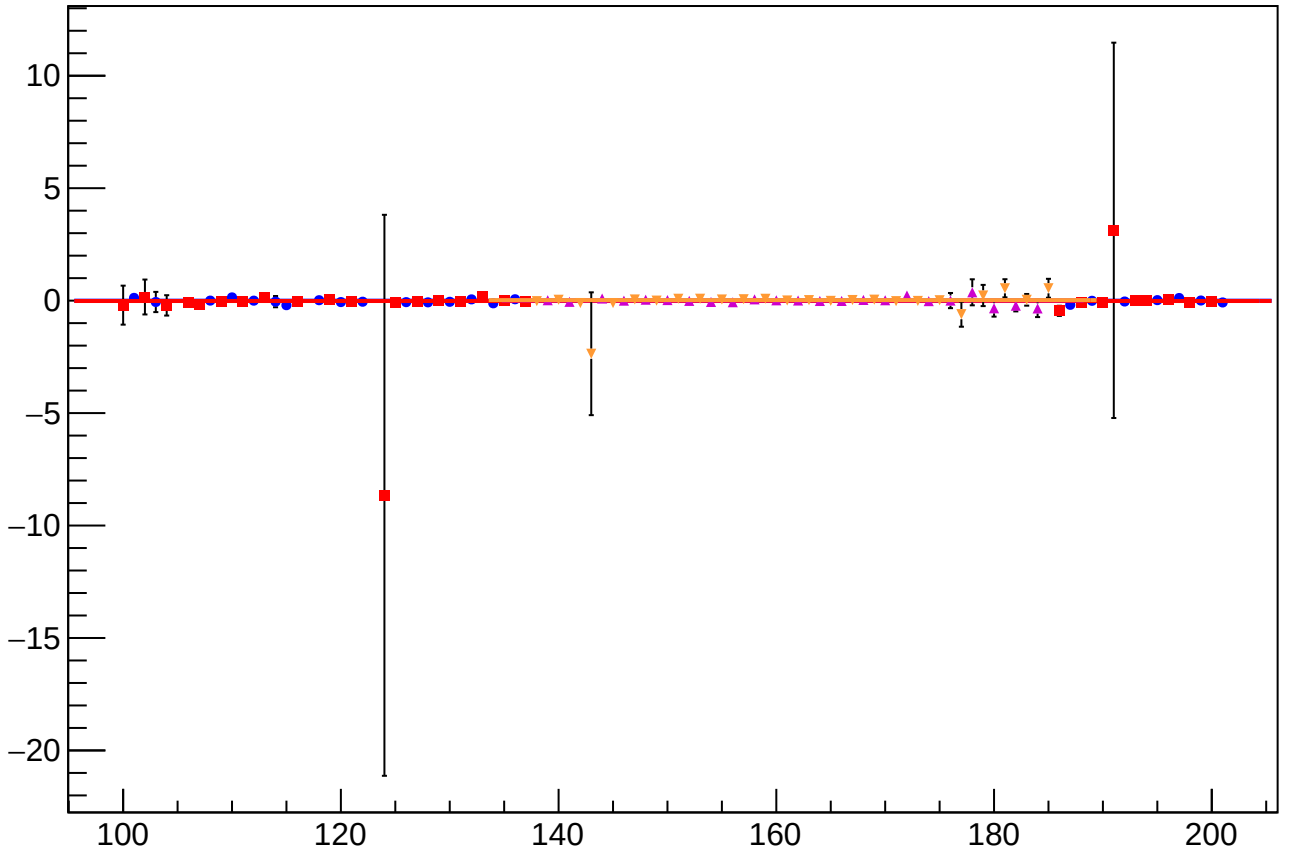
Right Out: 40.388+/-0.009 χ^2/NDF: 5206356.5/27

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 36.024+/-0.006 χ^2/NDF: 14457079.7/47

All: 36.030+/-0.004 χ^2/NDF: 30067191.5/98

\- sign 36.037+/-0.006 χ^2/NDF: 15610109.0/50



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

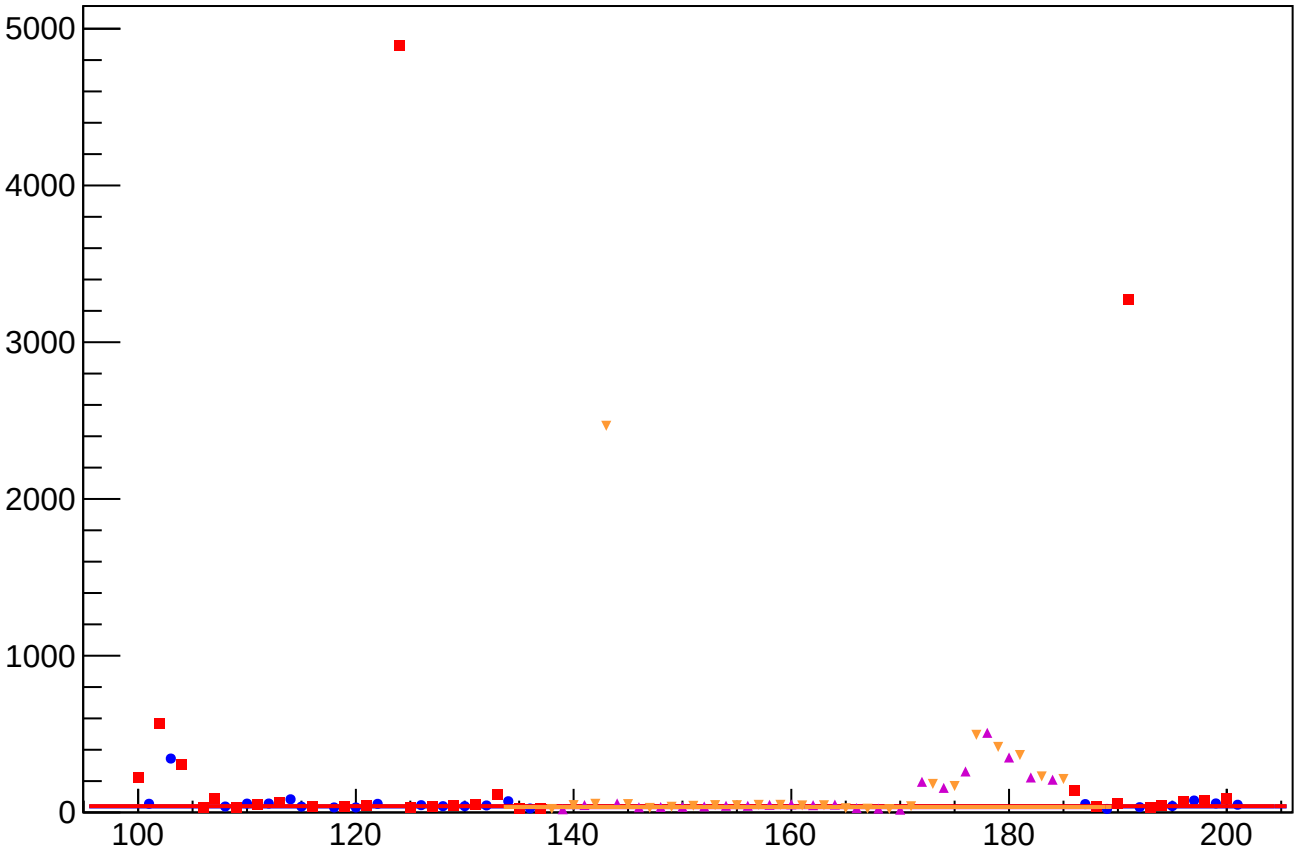
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

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: 92.0/98

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50



Right In: 38.152+/-0.009 χ^2/NDF: 2959741.5/22

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

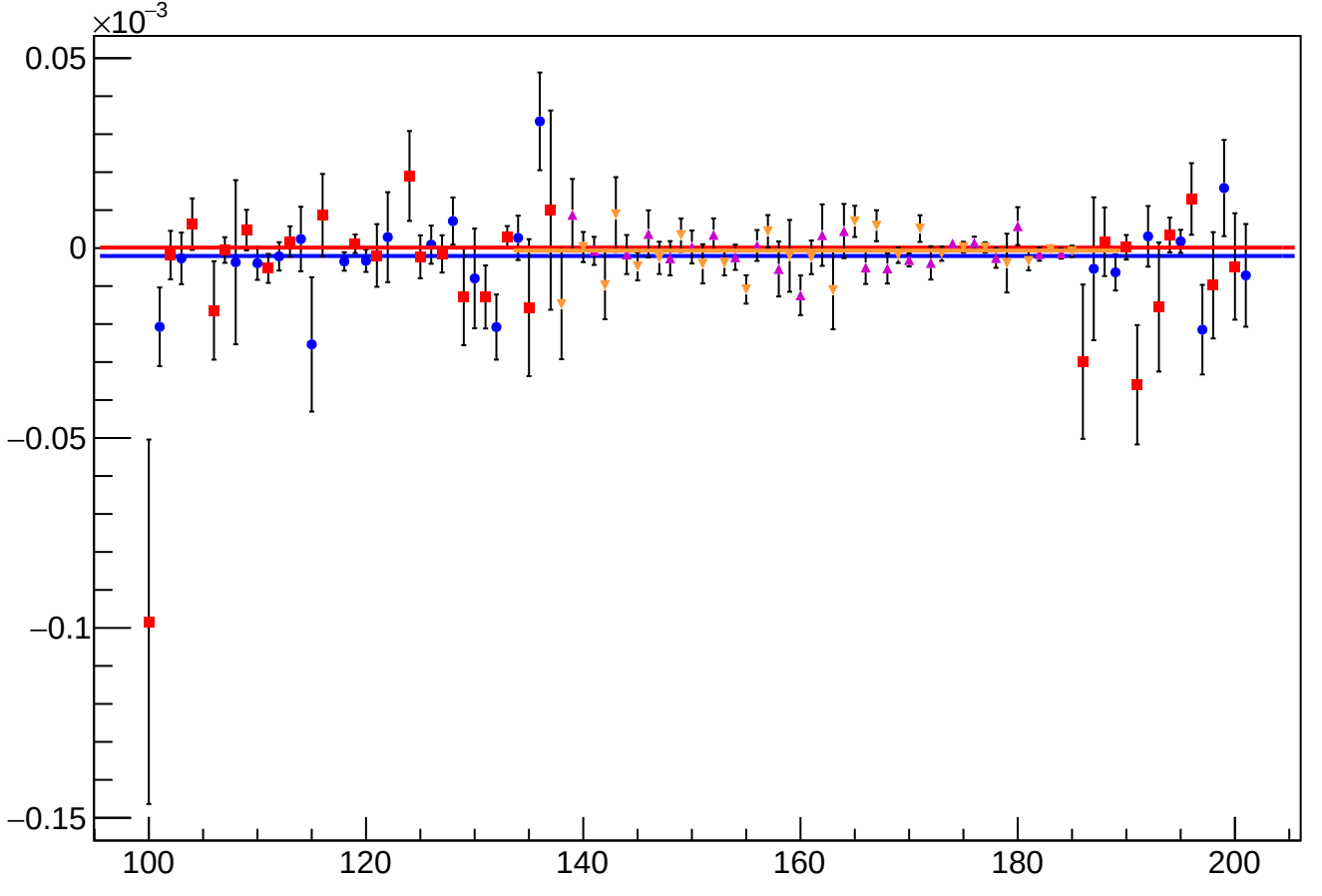
Right Out: 40.388+/-0.009 χ^2/NDF: 5206356.5/27

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 36.024+/-0.006 χ^2/NDF: 14457079.7/47

All: 36.030+/-0.004 χ^2/NDF: 30067191.5/98

- sign 36.037+/-0.006 χ^2/NDF: 15610109.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

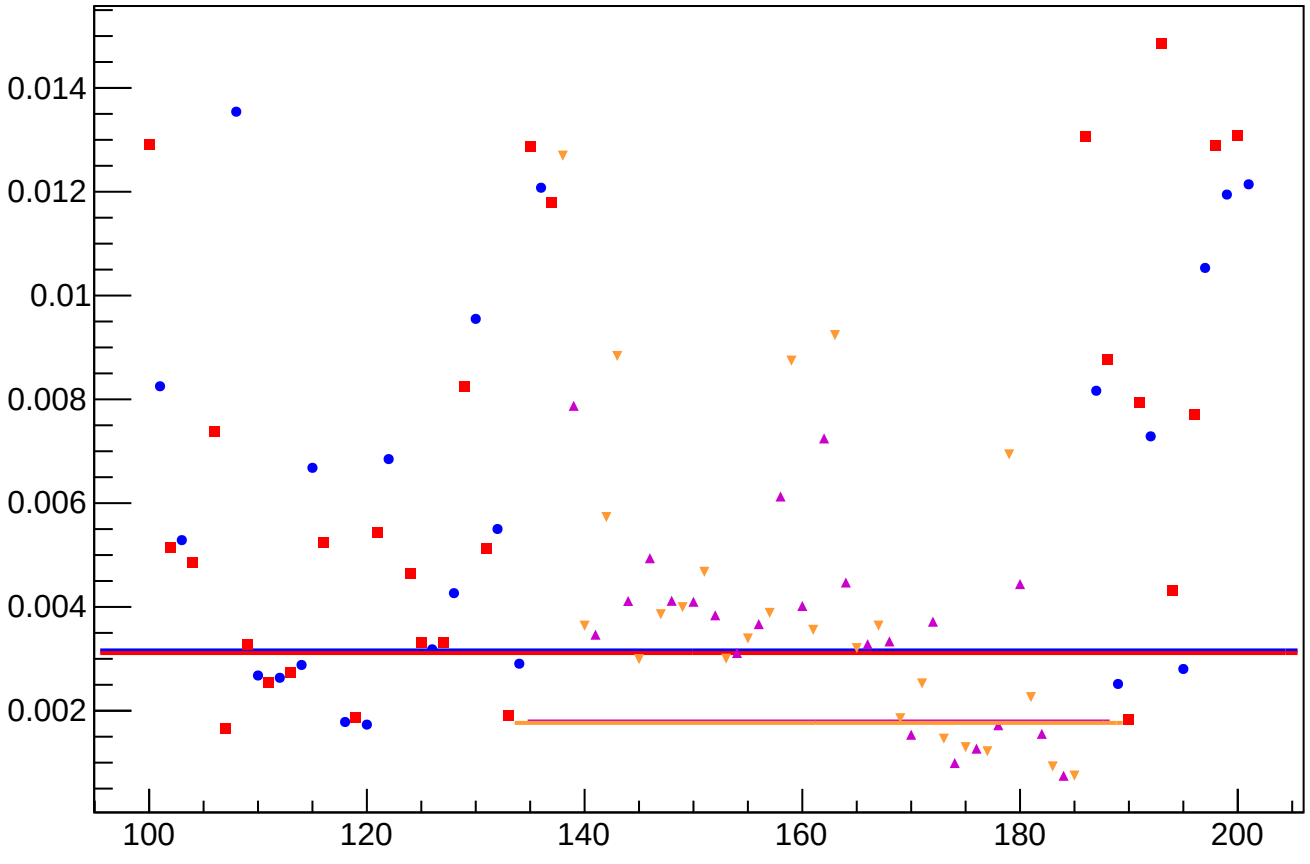
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/27

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: 112.3/98

- sign -0.000+/-0.000 χ^2/NDF: 52.6/50



Right In: 0.003+/-0.000 χ^2/NDF: 7615520.0/22

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

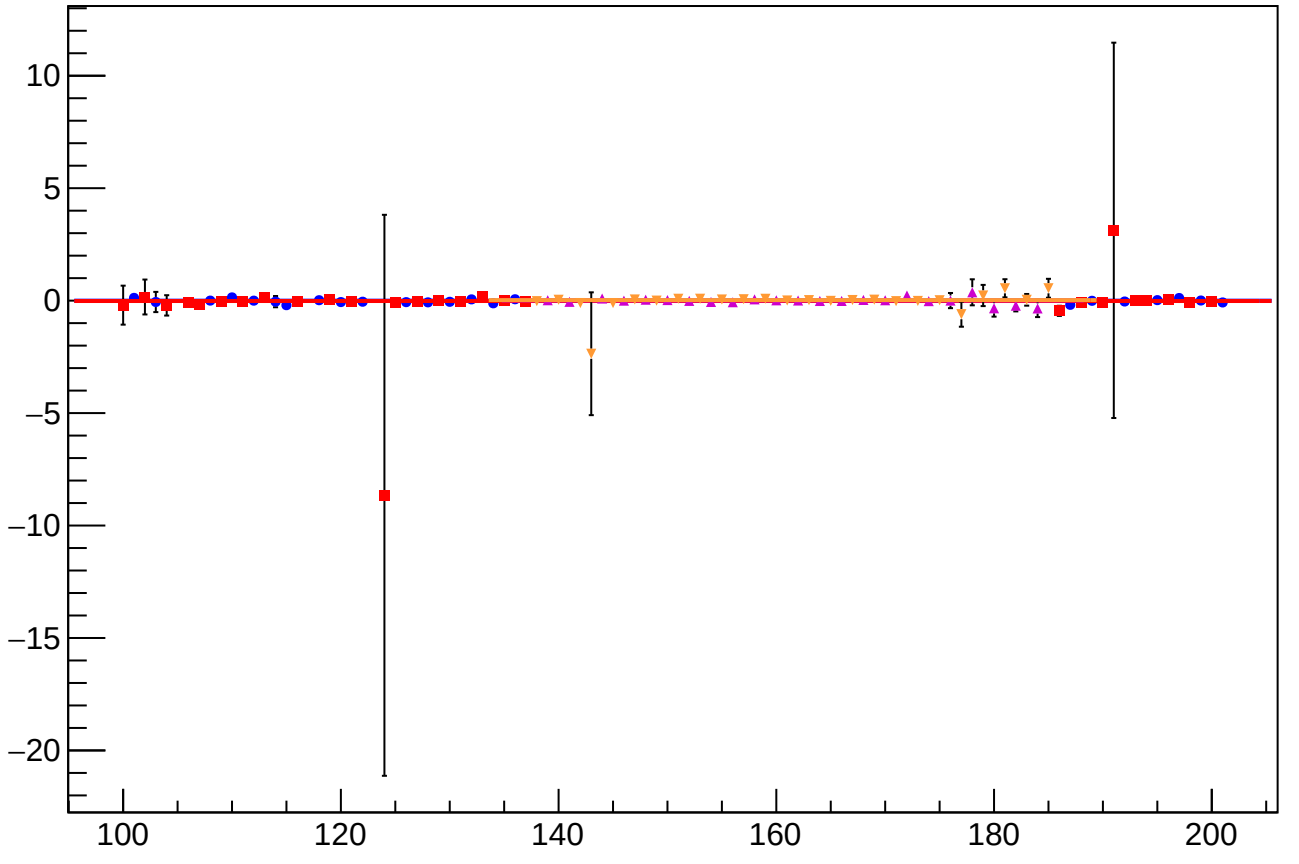
Right Out: 0.003+/-0.000 χ^2/NDF: 8800178.3/27

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: 45139303.4/98

- sign 0.002+/-0.000 χ^2/NDF: 22062245.7/50



Right In: -0.002+/-0.013 χ^2/NDF: 26.6/22

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

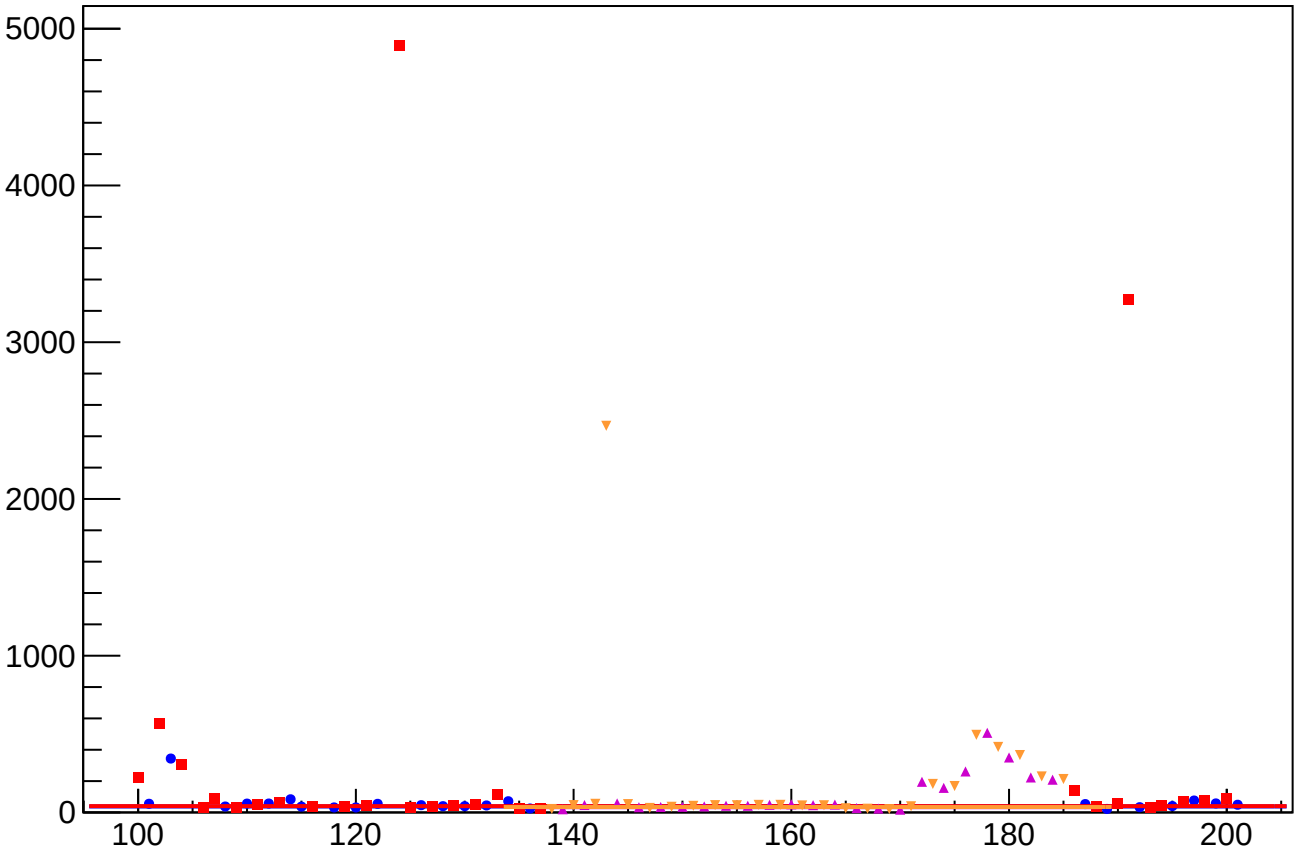
Right Out: -0.017+/-0.013 χ^2/NDF: 21.4/27

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: 92.0/98

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50



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: 40.388+/-0.009 χ^2/NDF: 5206167.5/27

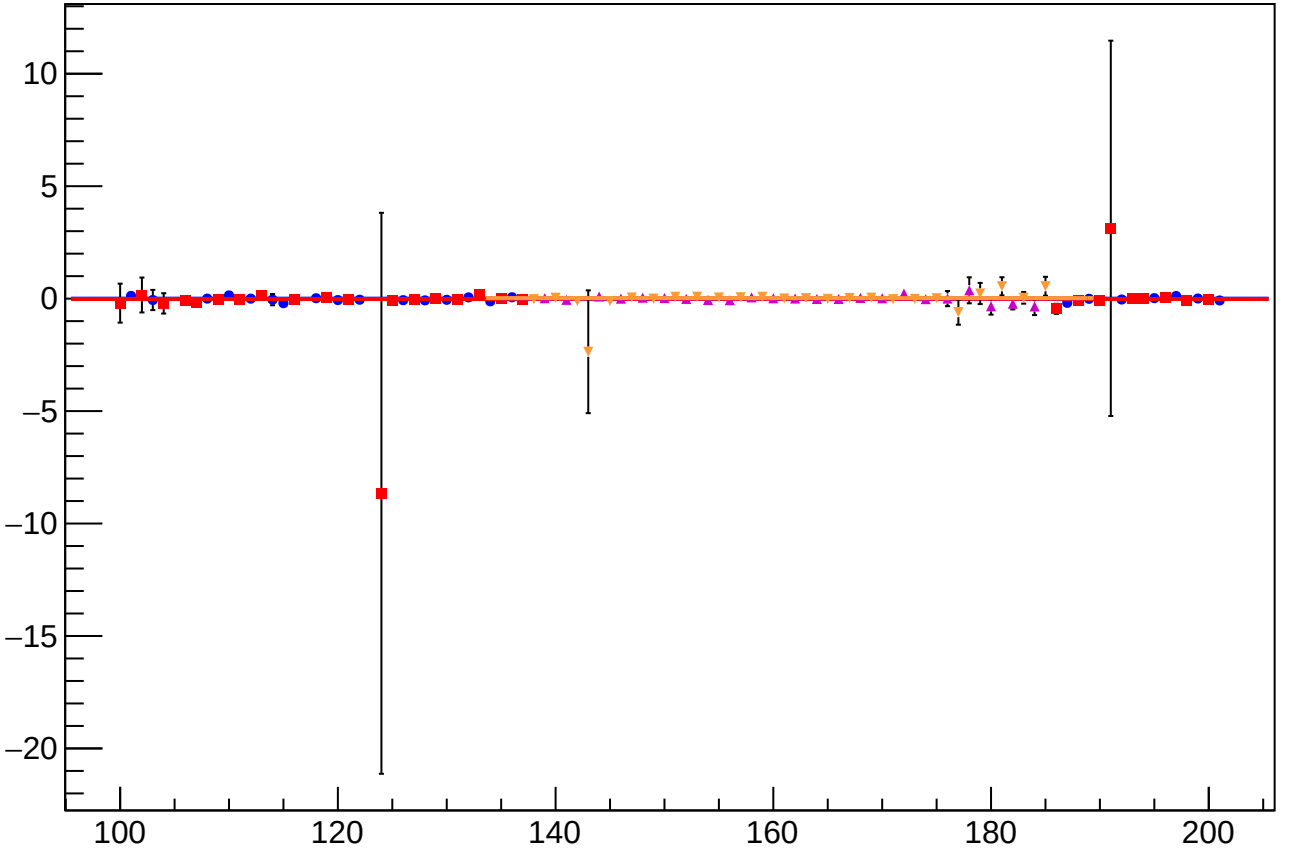
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 36.024+/-0.006 χ^2/NDF: 14456525.0/47

All: 36.031+/-0.004 χ^2/NDF: 30065005.7/98

- sign 36.039+/-0.006 χ^2/NDF: 15608477.3/50

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_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: -0.017+/-0.013 χ^2/NDF: 21.4/27

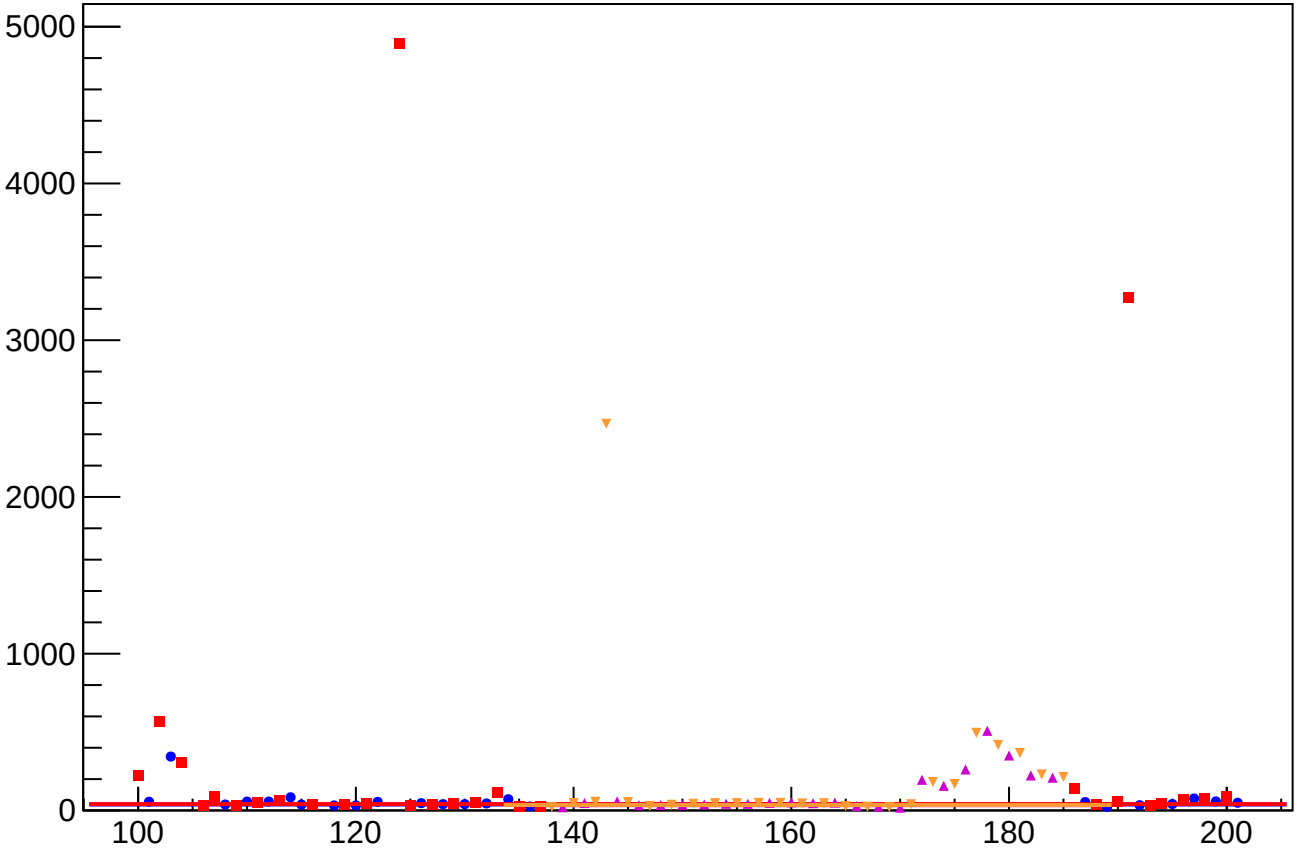
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.013+/-0.008 χ^2/NDF: 51.8/47

All: 0.007+/-0.006 χ^2/NDF: 92.0/98

- sign 0.000+/-0.008 χ^2/NDF: 38.8/50

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

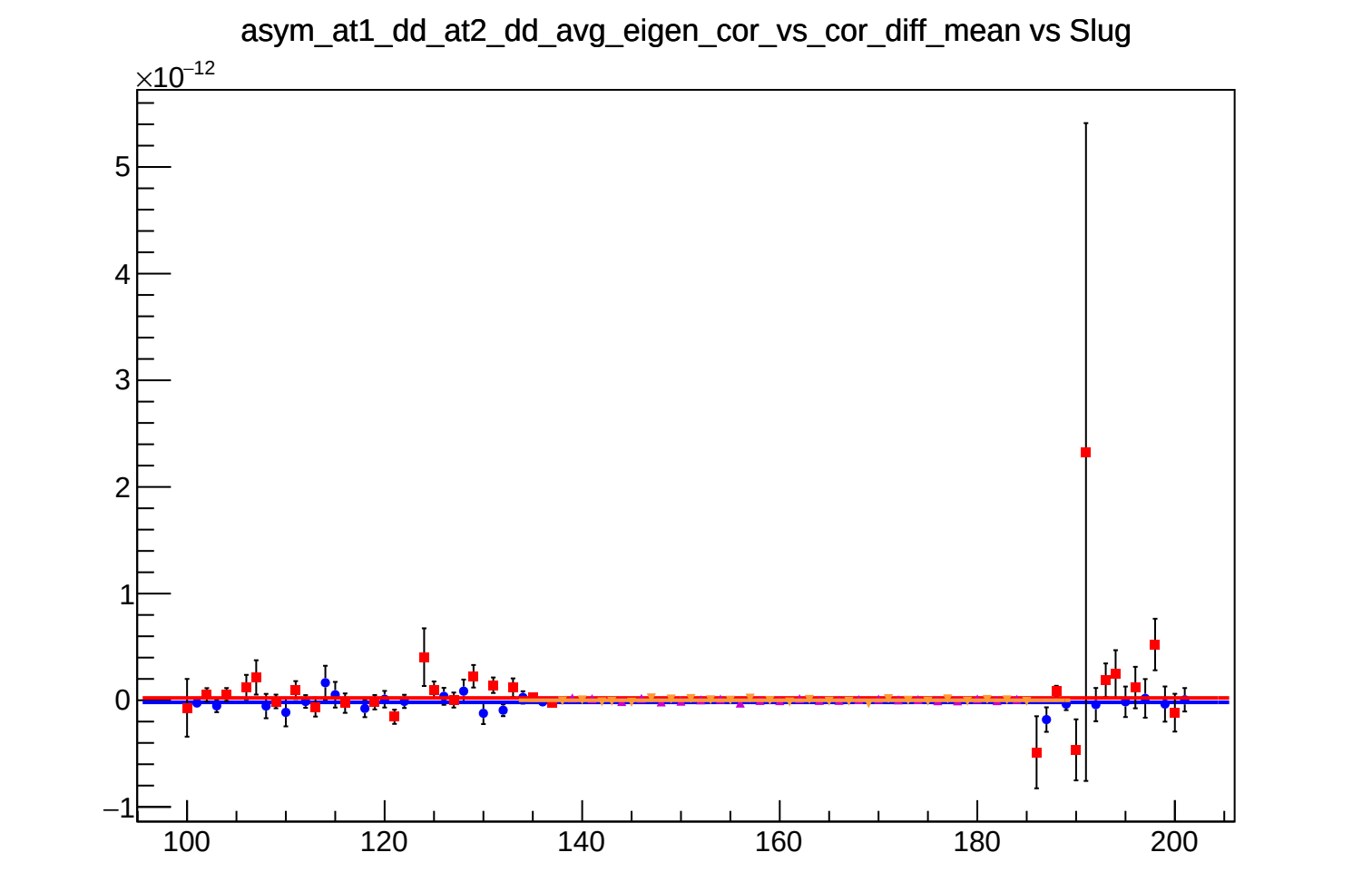
Right Out: 40.388+/-0.009 χ^2/NDF: 5206167.5/27

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 36.024+/-0.006 χ^2/NDF: 14456525.0/47

All: 36.031+/-0.004 χ^2/NDF: 30065005.7/98

- sign 36.039+/-0.006 χ^2/NDF: 15608477.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

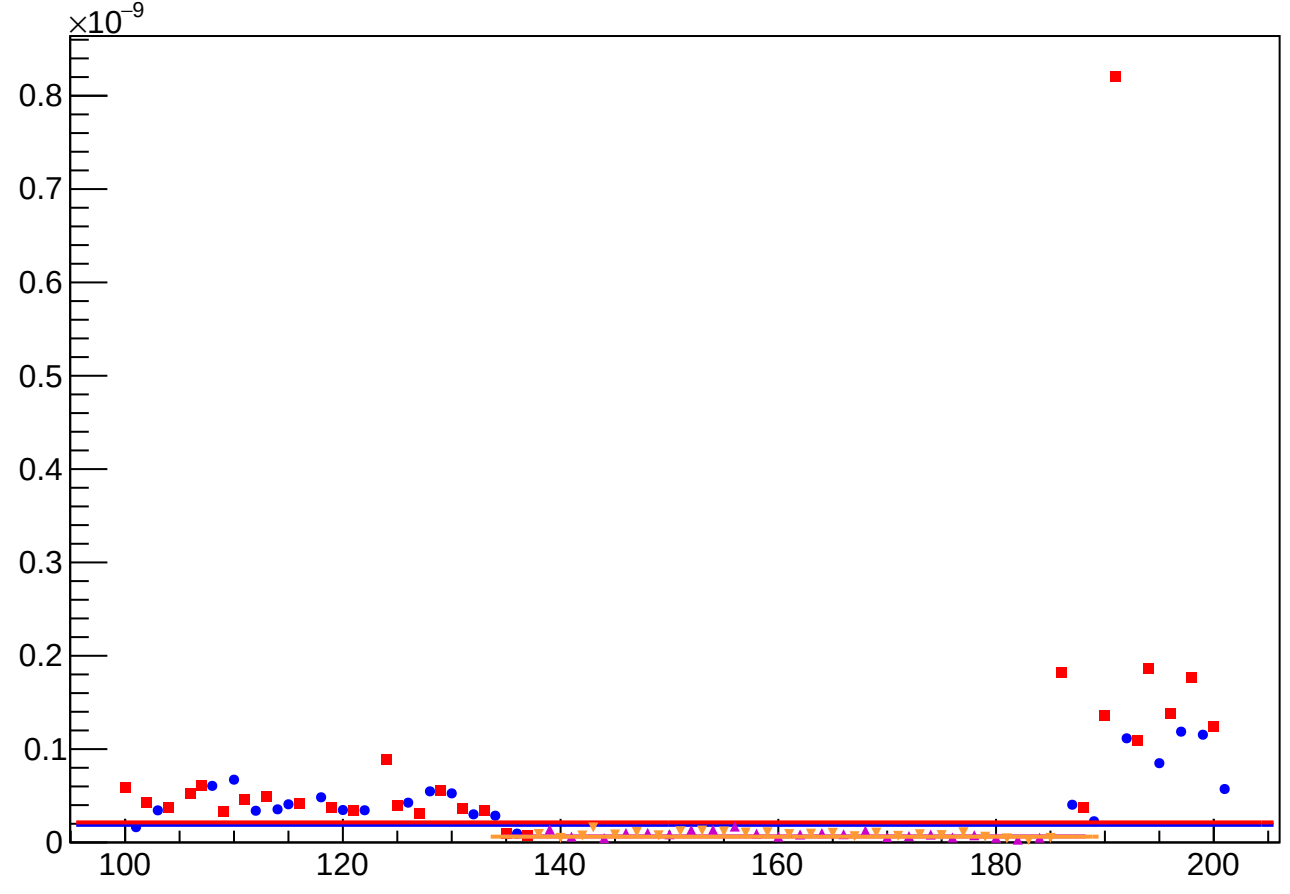
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/27

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: 107.6/98

\- sign 0.000+/-0.000 χ^2/NDF: 65.2/50



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: 8875405.8/27

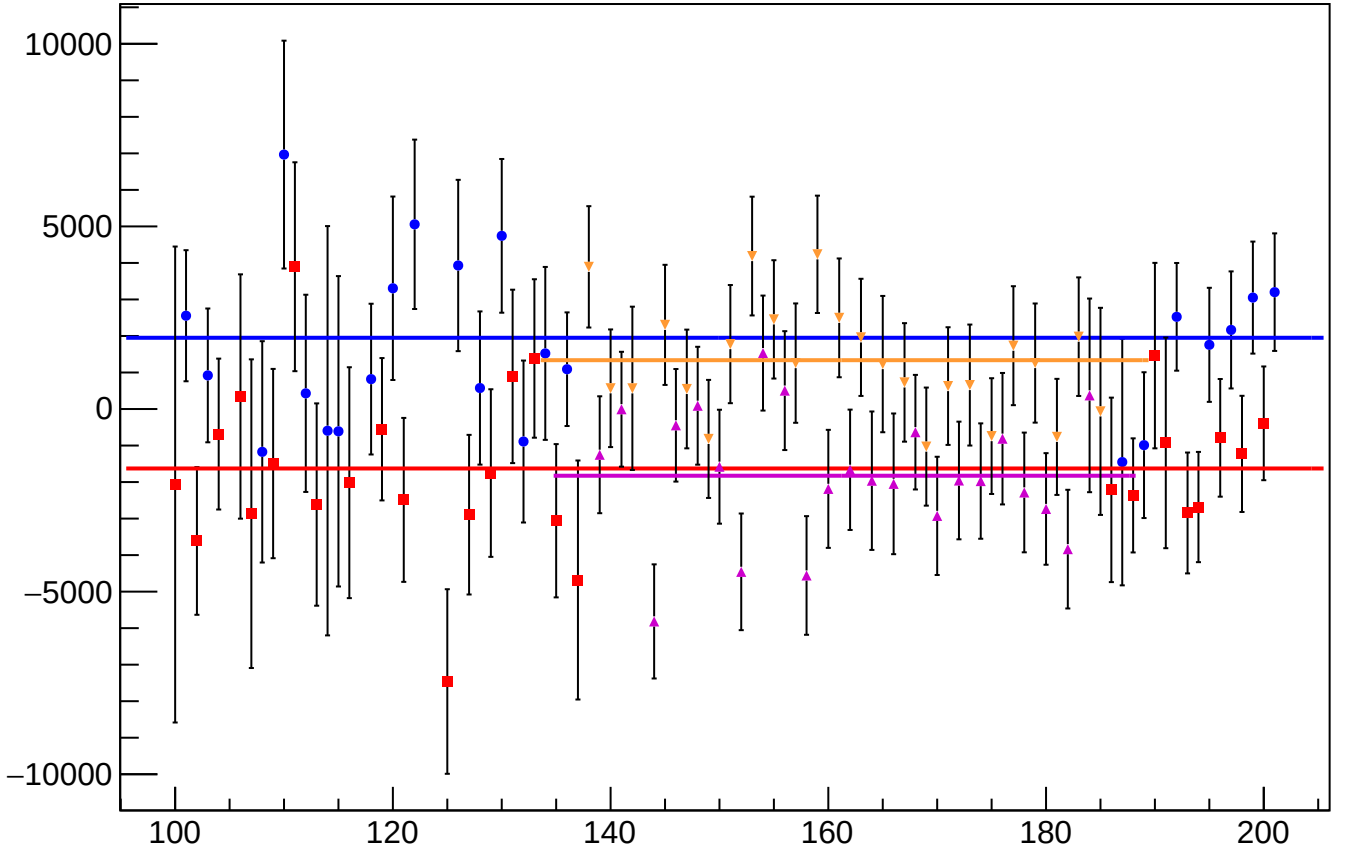
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14438689.6/47

All: 0.000+/-0.000 χ^2/NDF: 31121356.8/98

- sign 0.000+/-0.000 χ^2/NDF: 16657617.8/50

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: -1628.000+/-418.250 χ^2/NDF: 19.8/26

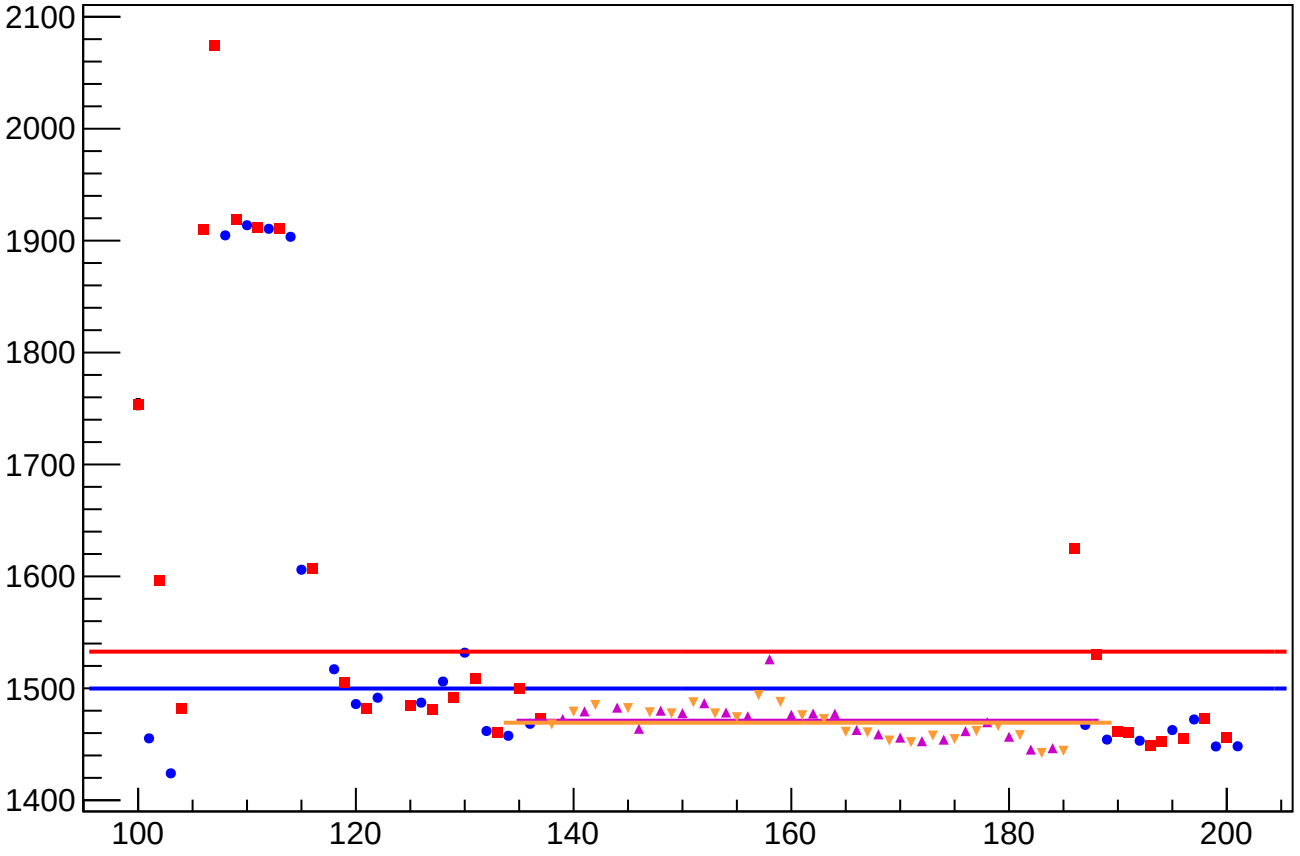
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1575.516+/-266.669 χ^2/NDF: 37.2/46

All: -93.199+/-188.129 χ^2/NDF: 161.5/96

- sign -1746.607+/-265.443 χ^2/NDF: 46.4/49

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

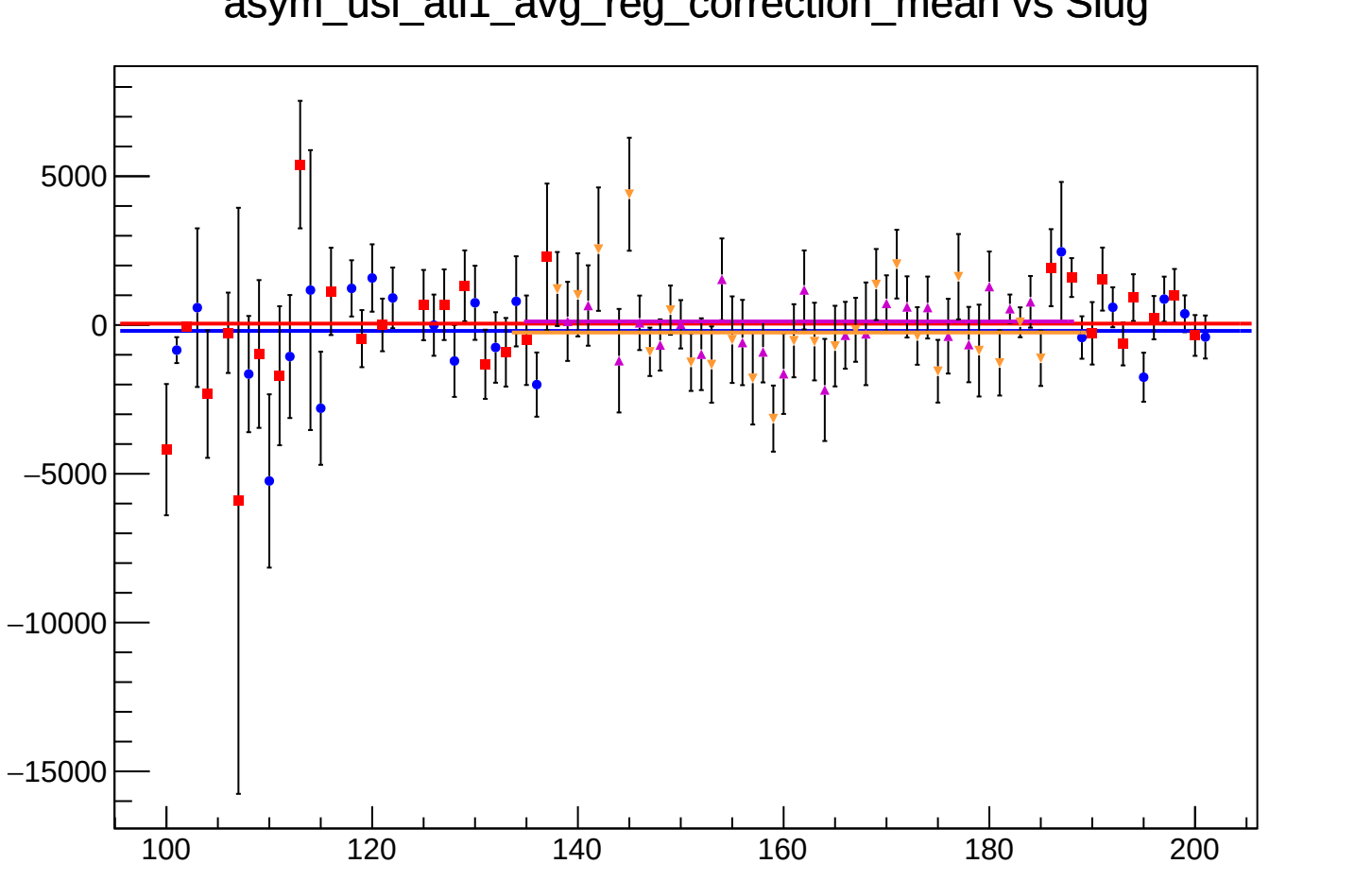
Right Out: 1532.769+/-0.296 χ^2/NDF: 217807.0/26

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1481.135+/-0.189 χ^2/NDF: 154999.5/46

All: 1488.557+/-0.133 χ^2/NDF: 406539.9/96

- sign 1495.912+/-0.188 χ^2/NDF: 248455.6/49



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: 46.975+/-115.590 χ^2/NDF: 31.9/26

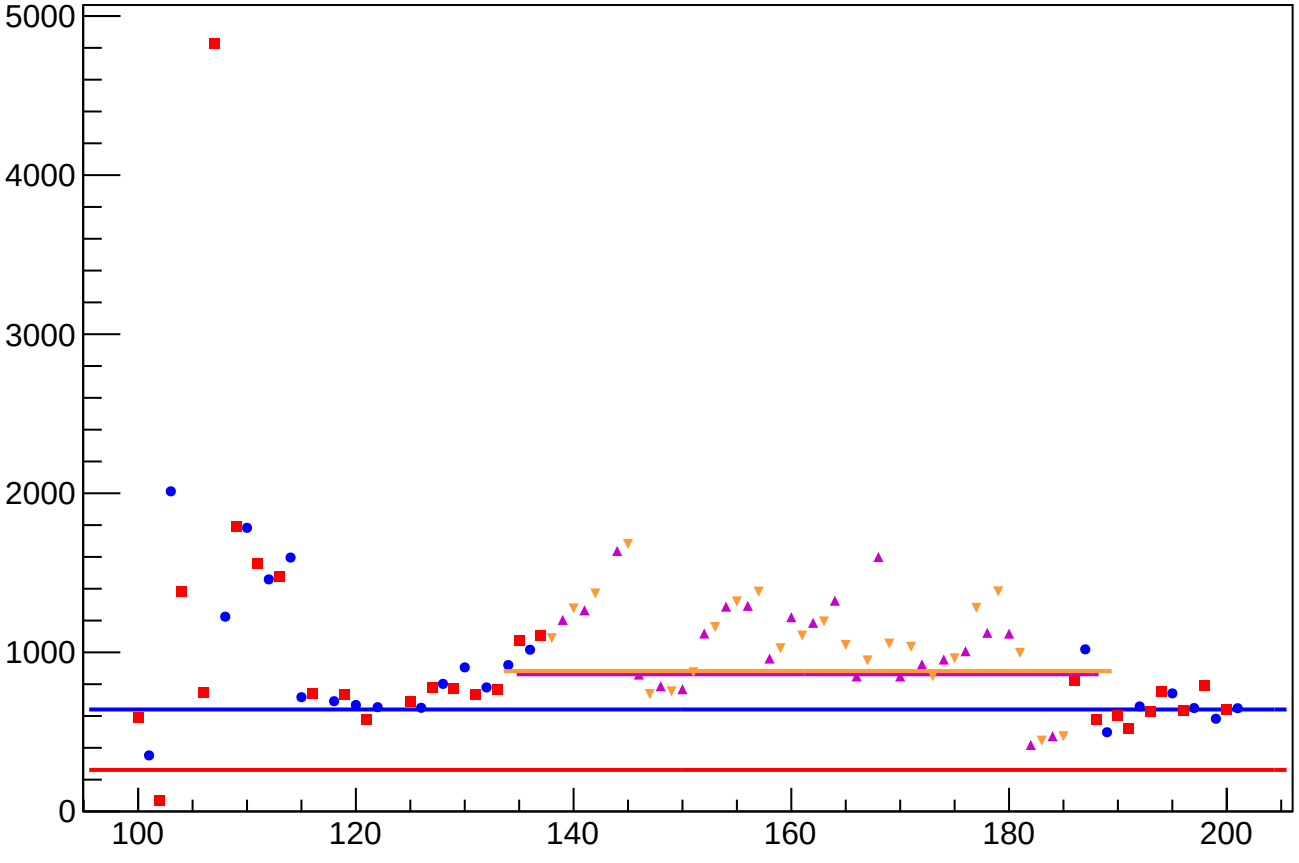
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

\+ sign -221.983+/-146.525 χ^2/NDF: 60.7/46

All: -29.785+/-83.665 χ^2/NDF: 108.1/96

\- sign 63.191+/-101.912 χ^2/NDF: 44.8/49

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: 261.140+/-0.082 χ^2/NDF: 14989670.4/26

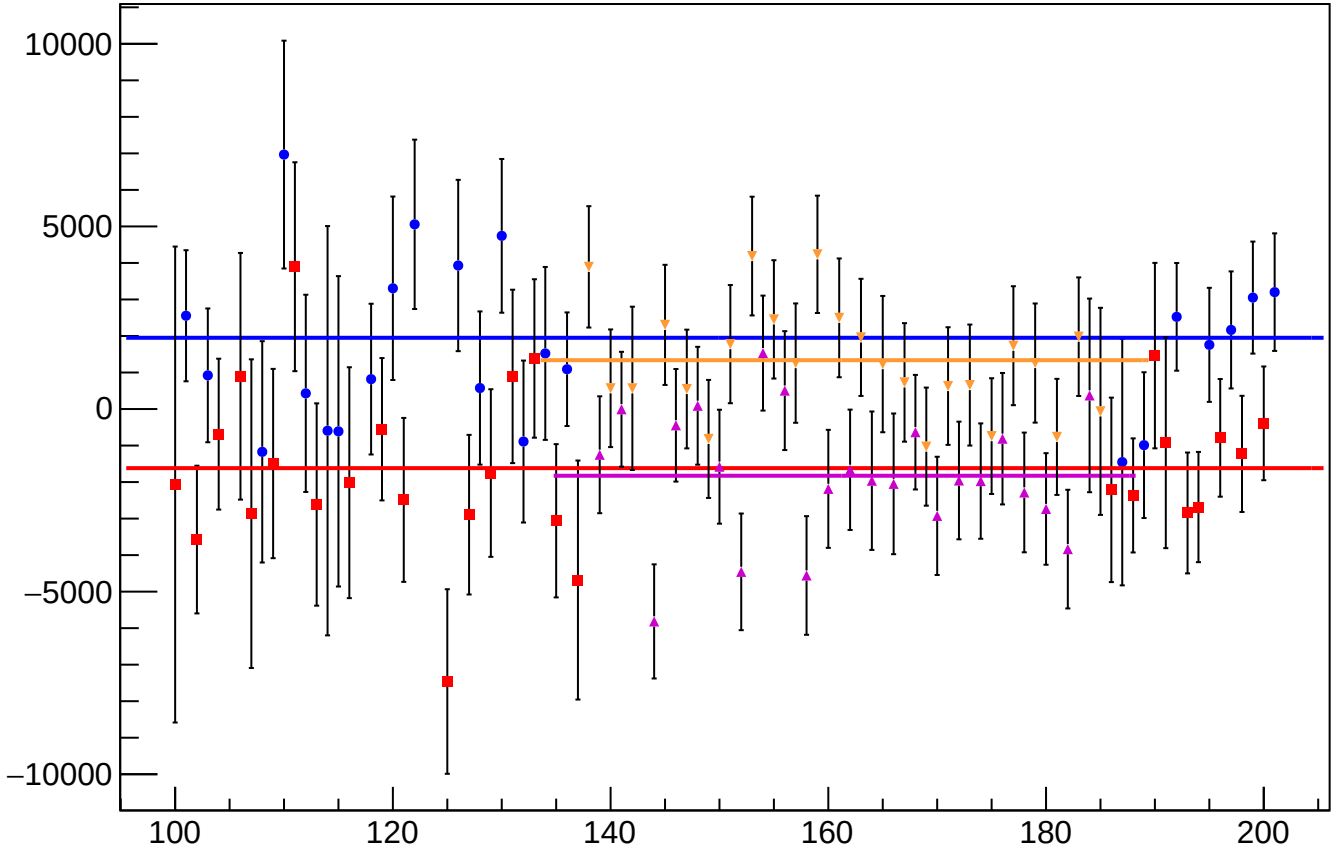
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 749.703+/-0.104 χ^2/NDF: 8193208.8/46

All: 510.641+/-0.059 χ^2/NDF: 47496690.5/96

- sign 394.994+/-0.072 χ^2/NDF: 31404197.8/49

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: -1618.463+/-418.315 χ^2/NDF: 20.0/26

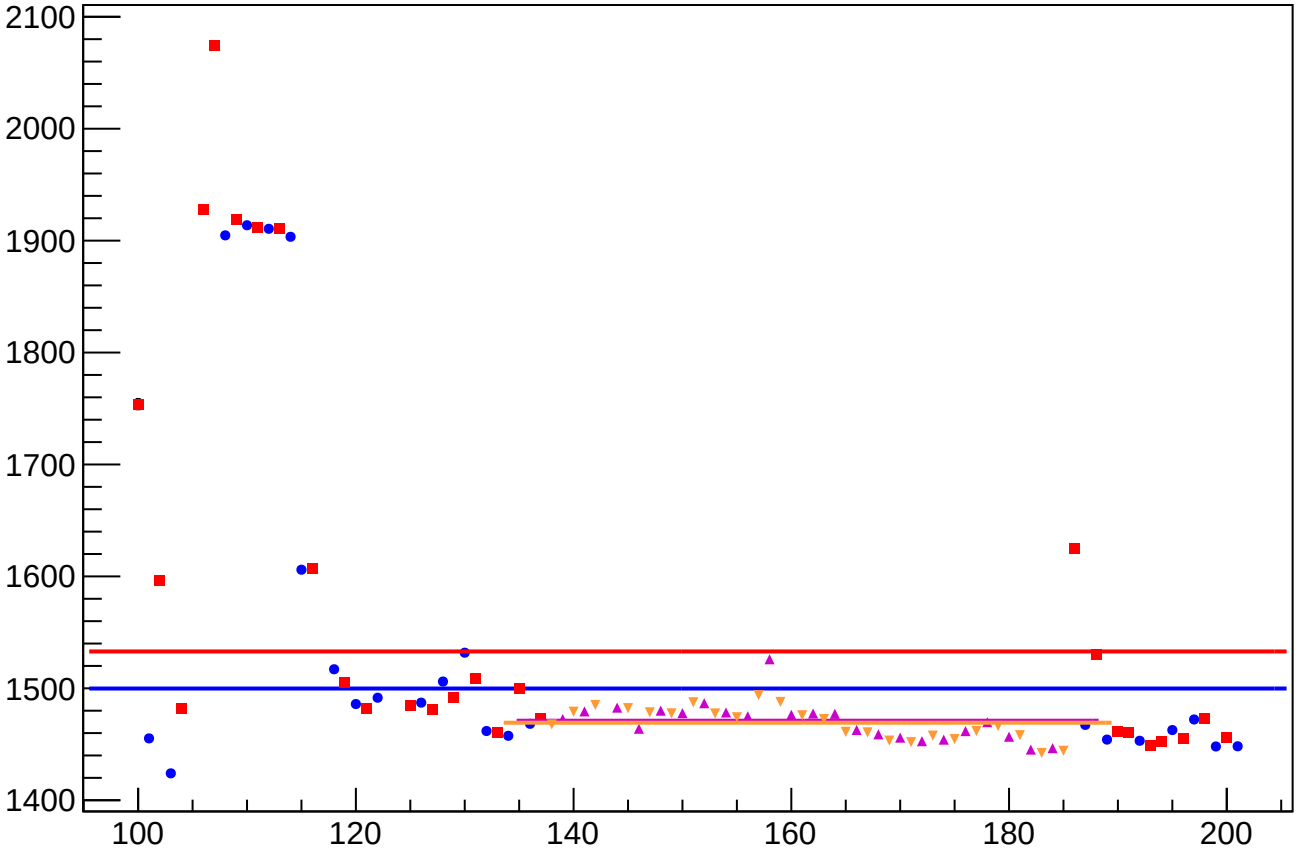
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1575.573+/-266.669 χ^2/NDF: 37.2/46

All: -91.160+/-188.134 χ^2/NDF: 161.5/96

- sign -1742.808+/-265.460 χ^2/NDF: 46.6/49

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: 1532.946+/-0.296 χ^2/NDF: 219817.7/26

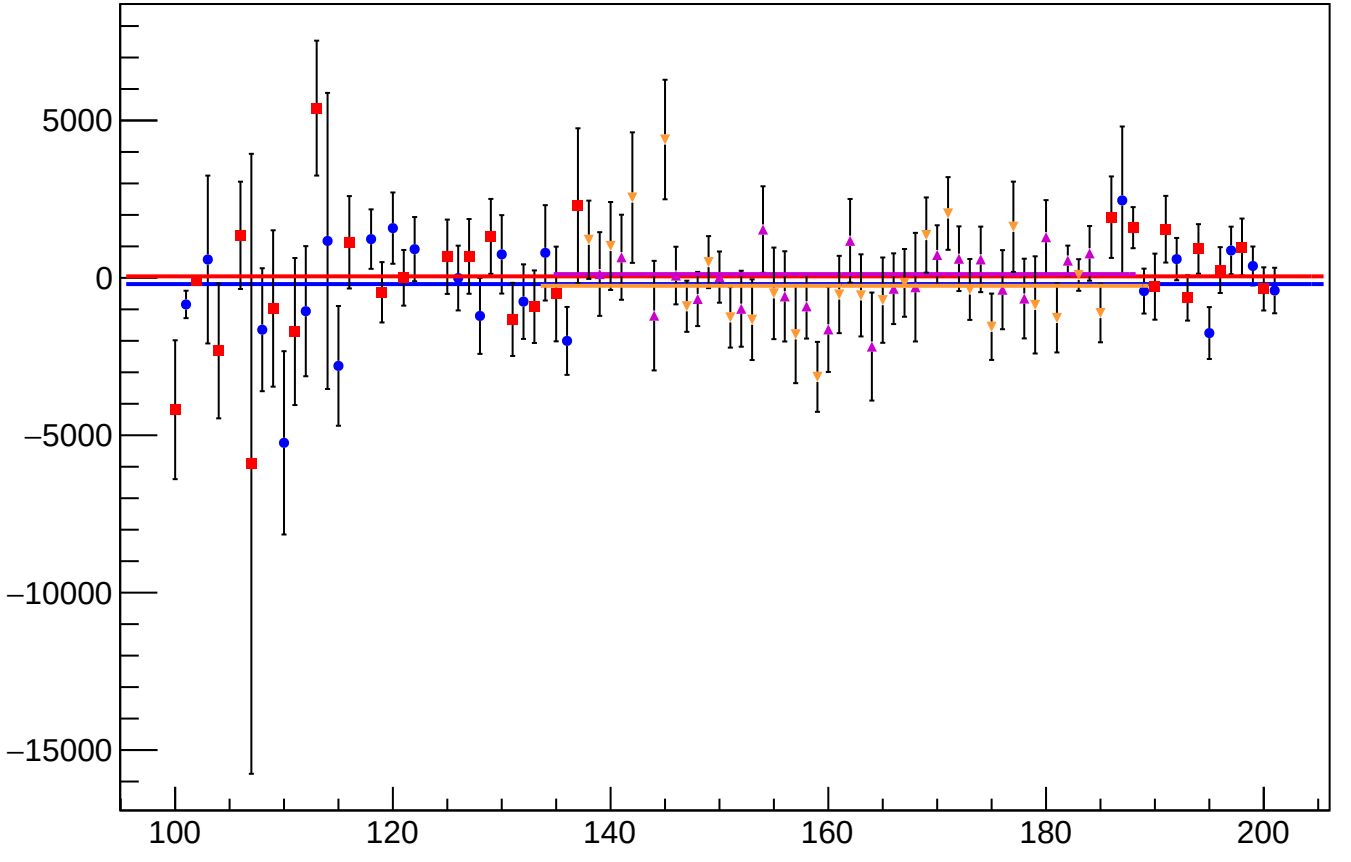
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

\+ sign 1481.135+/-0.189 χ^2/NDF: 154999.4/46

All: 1488.590+/-0.133 χ^2/NDF: 408722.6/96

\- sign 1495.978+/-0.188 χ^2/NDF: 250610.6/49

asym_usl_atl1_avg_cor_correction_mean vs Slug



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: 48.131+/-123.158 χ^2/NDF: 32.7/26

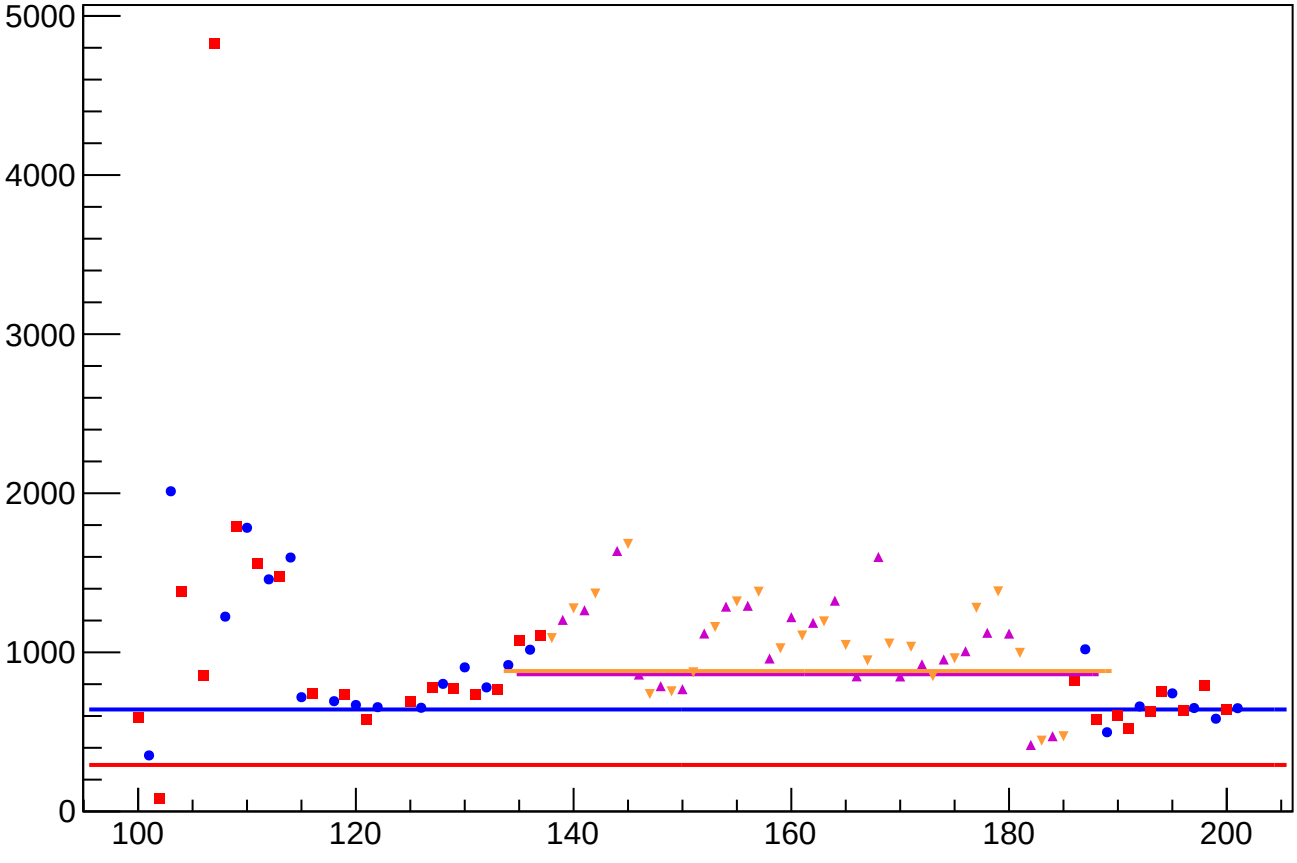
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -221.894+/-146.525 χ^2/NDF: 60.7/46

All: -34.289+/-86.405 χ^2/NDF: 108.8/96

- sign 65.728+/-106.986 χ^2/NDF: 45.6/49

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: 292.235+/-0.087 χ^2/NDF: 13873920.6/26

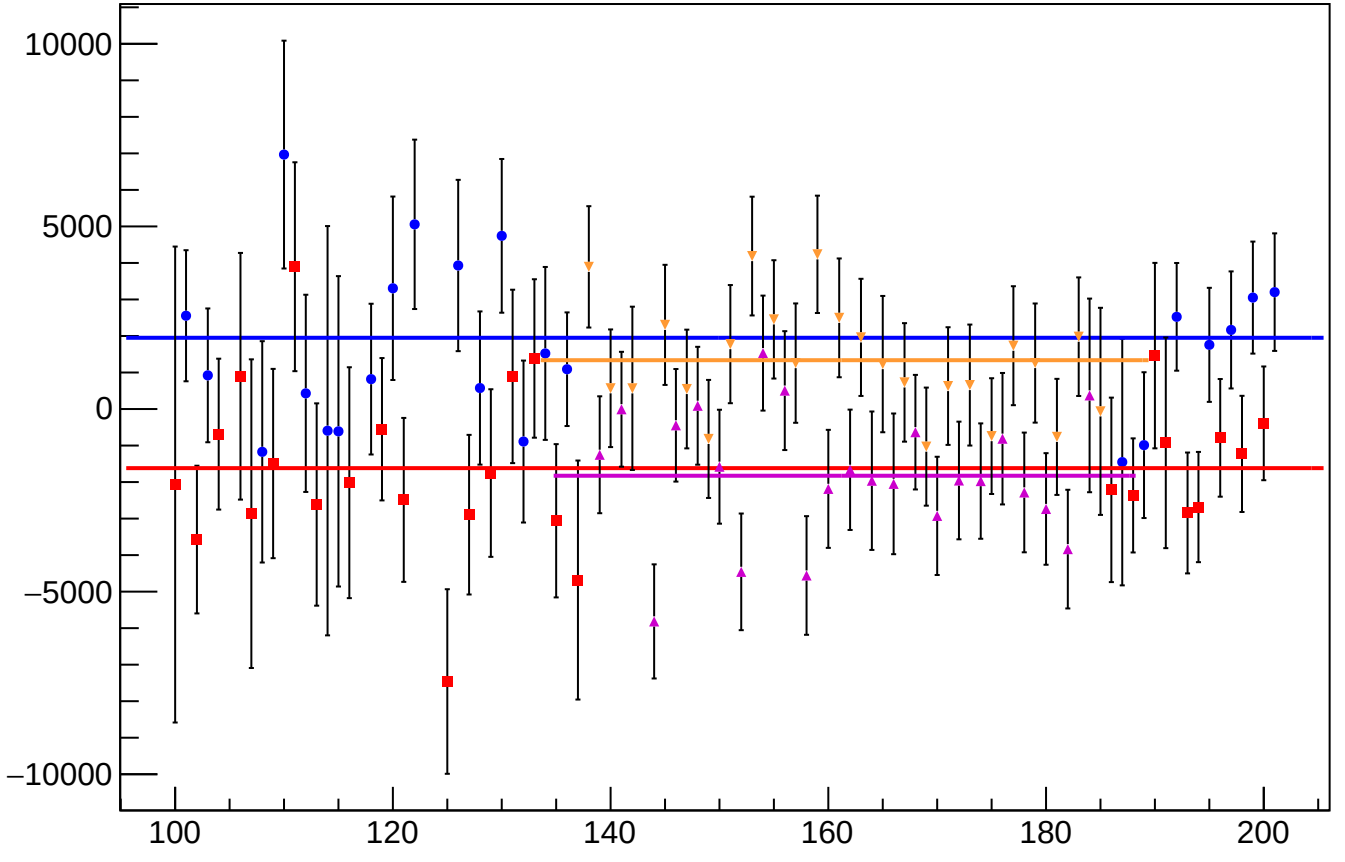
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 749.698+/-0.104 χ^2/NDF: 8193494.8/46

All: 542.553+/-0.061 χ^2/NDF: 43079782.4/96

- sign 432.119+/-0.076 χ^2/NDF: 28758054.1/49

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: -1618.463+/-418.315 χ^2/NDF: 20.0/26

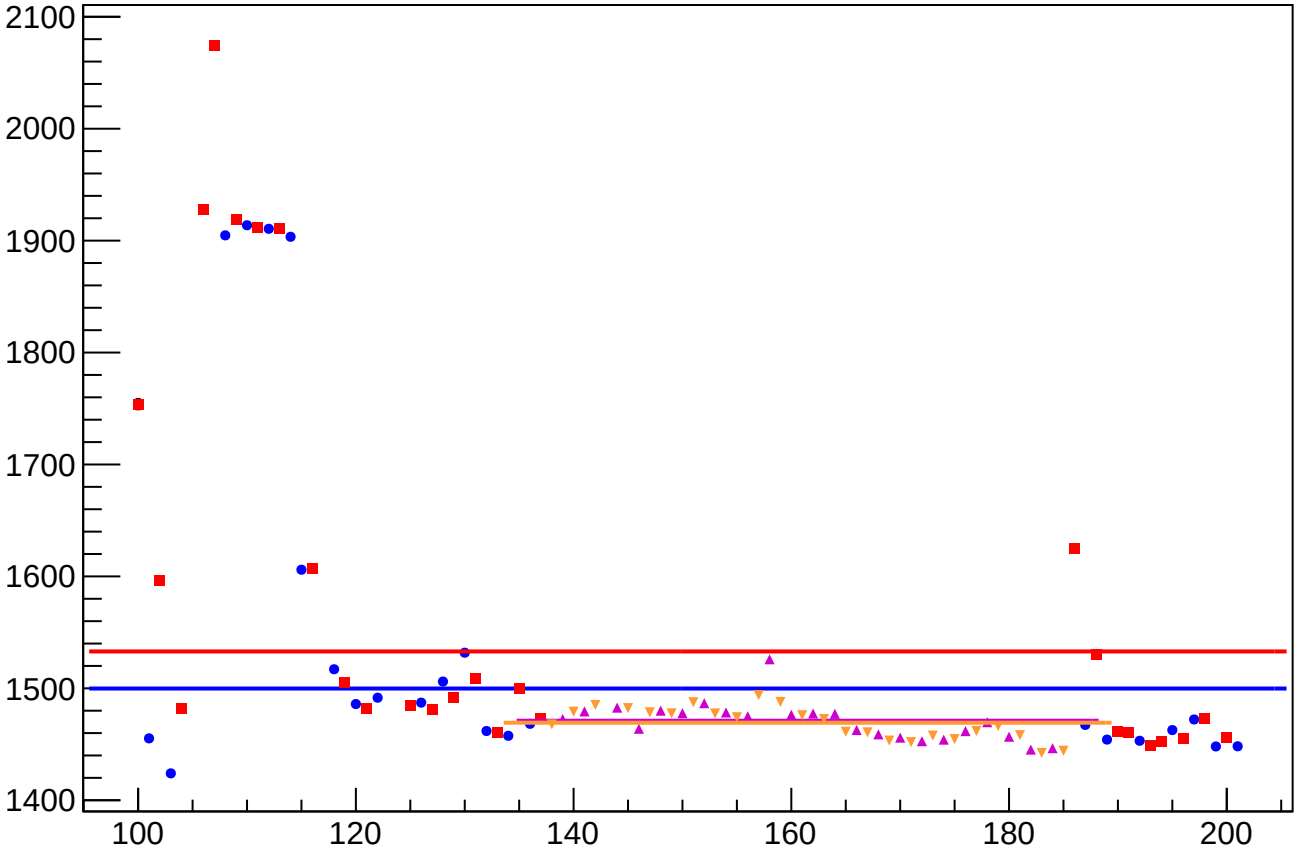
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1575.573+/-266.669 χ^2/NDF: 37.2/46

All: -91.160+/-188.134 χ^2/NDF: 161.5/96

- sign -1742.808+/-265.460 χ^2/NDF: 46.6/49

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

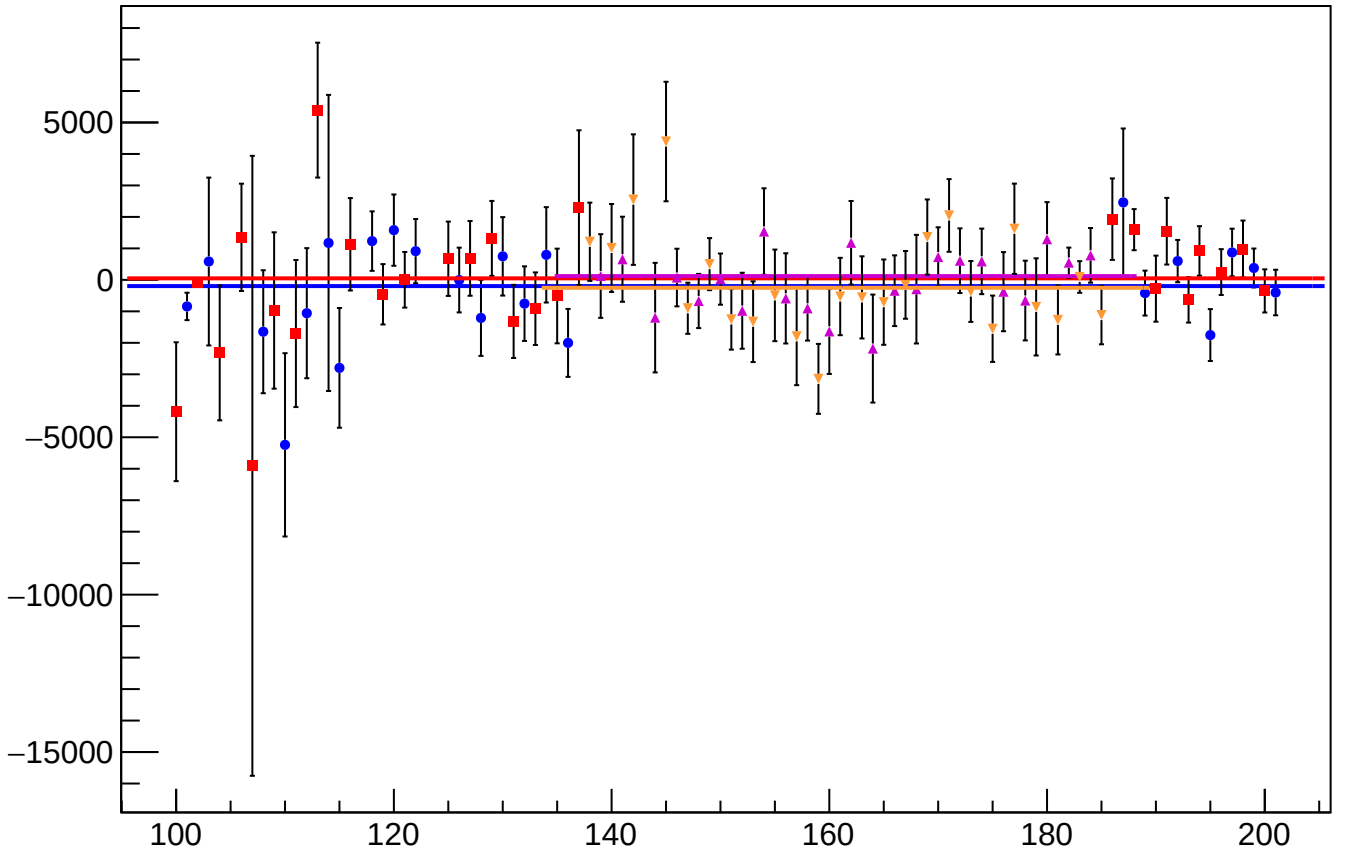
Right Out: 1532.946+/-0.296 χ^2/NDF: 219817.7/26

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1481.135+/-0.189 χ^2/NDF: 154999.4/46

All: 1488.590+/-0.133 χ^2/NDF: 408722.6/96

- sign 1495.978+/-0.188 χ^2/NDF: 250610.6/49



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: 48.131+/-123.158 χ^2/NDF: 32.7/26

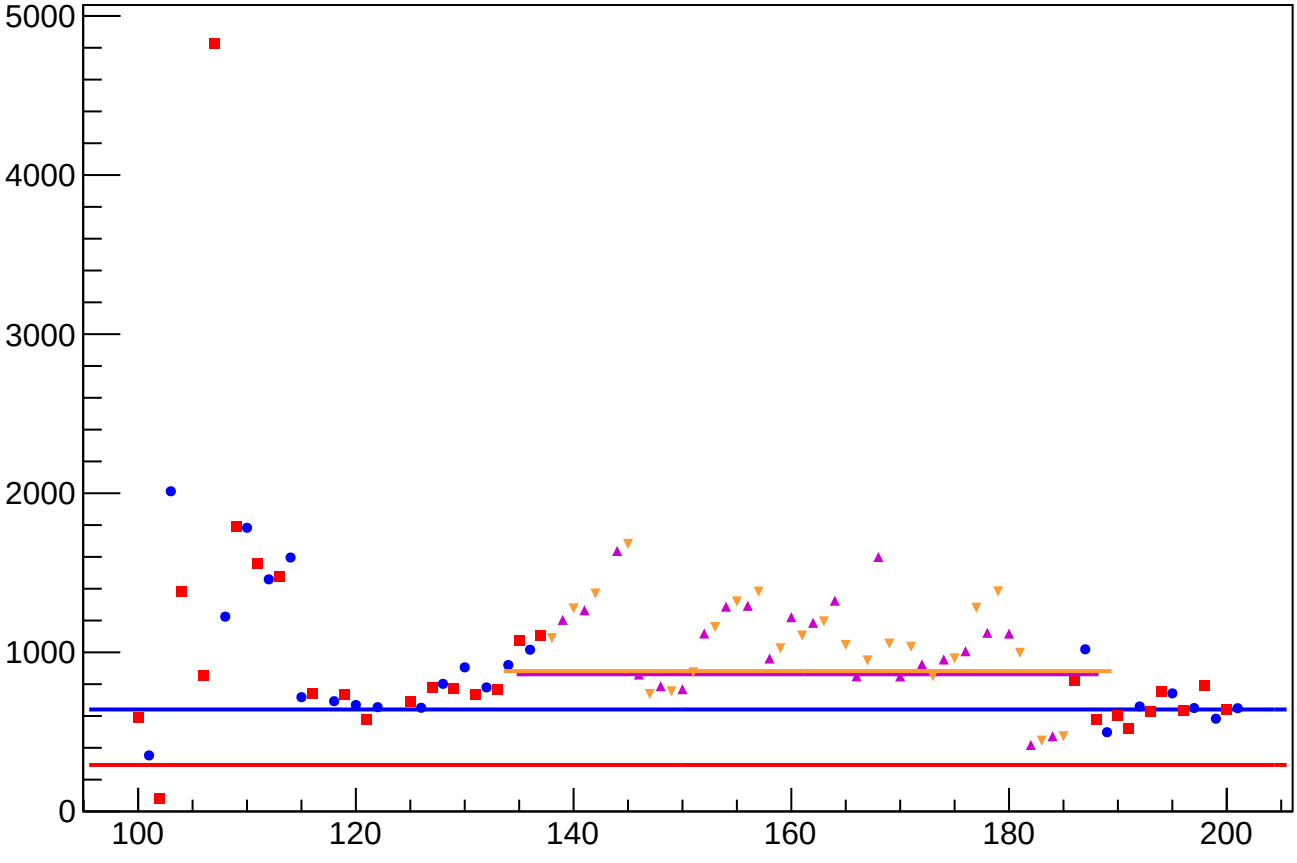
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -221.894+/-146.525 χ^2/NDF: 60.7/46

All: -34.289+/-86.405 χ^2/NDF: 108.8/96

- sign 65.728+/-106.986 χ^2/NDF: 45.6/49

asym_usl_atl1_avg_eigen_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: 292.235+/-0.087 χ^2/NDF: 13873920.6/26

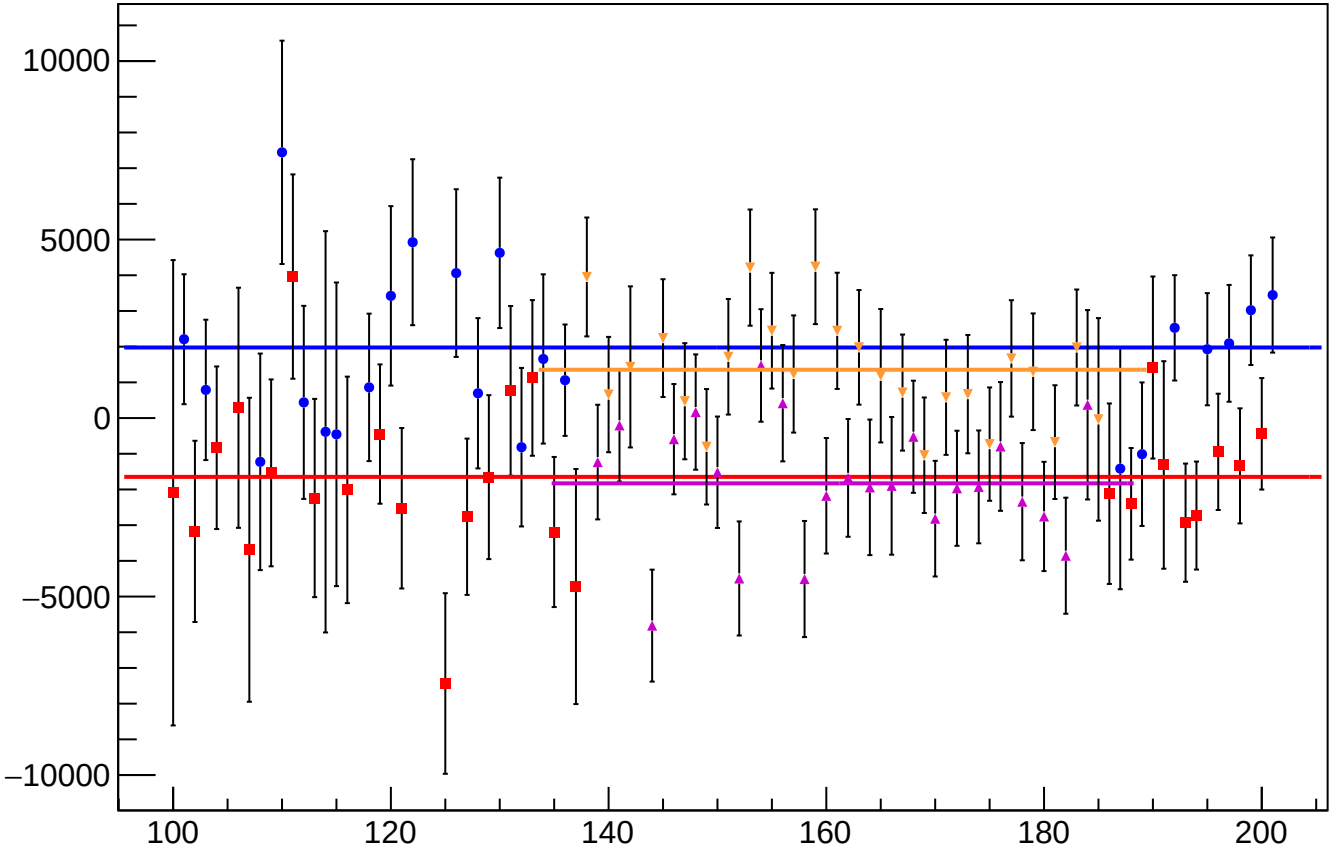
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 749.698+/-0.104 χ^2/NDF: 8193494.8/46

All: 542.553+/-0.061 χ^2/NDF: 43079782.4/96

- sign 432.119+/-0.076 χ^2/NDF: 28758054.1/49

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: -1647.364+/-424.655 χ^2/NDF: 18.7/26

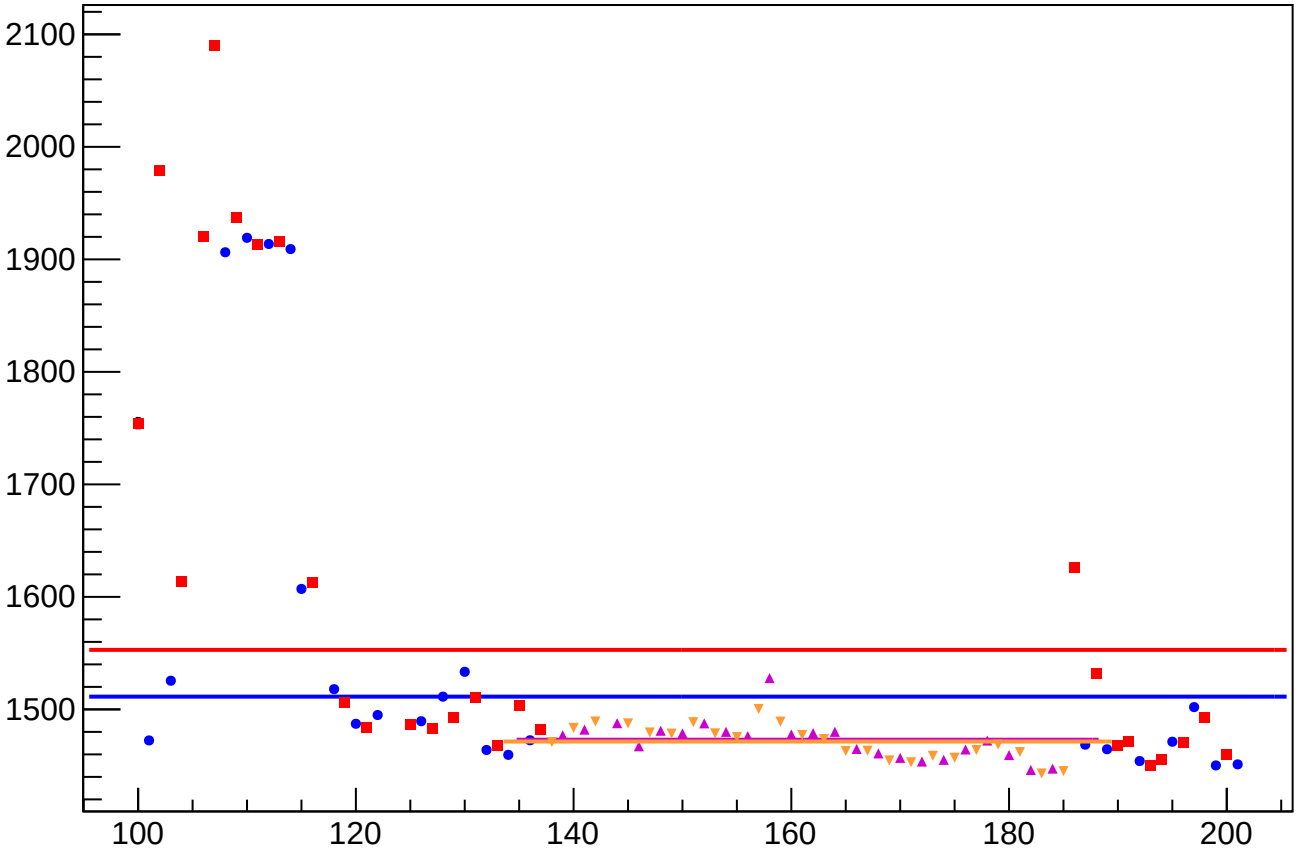
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1593.966+/-267.743 χ^2/NDF: 37.2/46

All: -84.219+/-189.158 χ^2/NDF: 160.2/96

- sign -1756.593+/-267.279 χ^2/NDF: 44.6/49

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

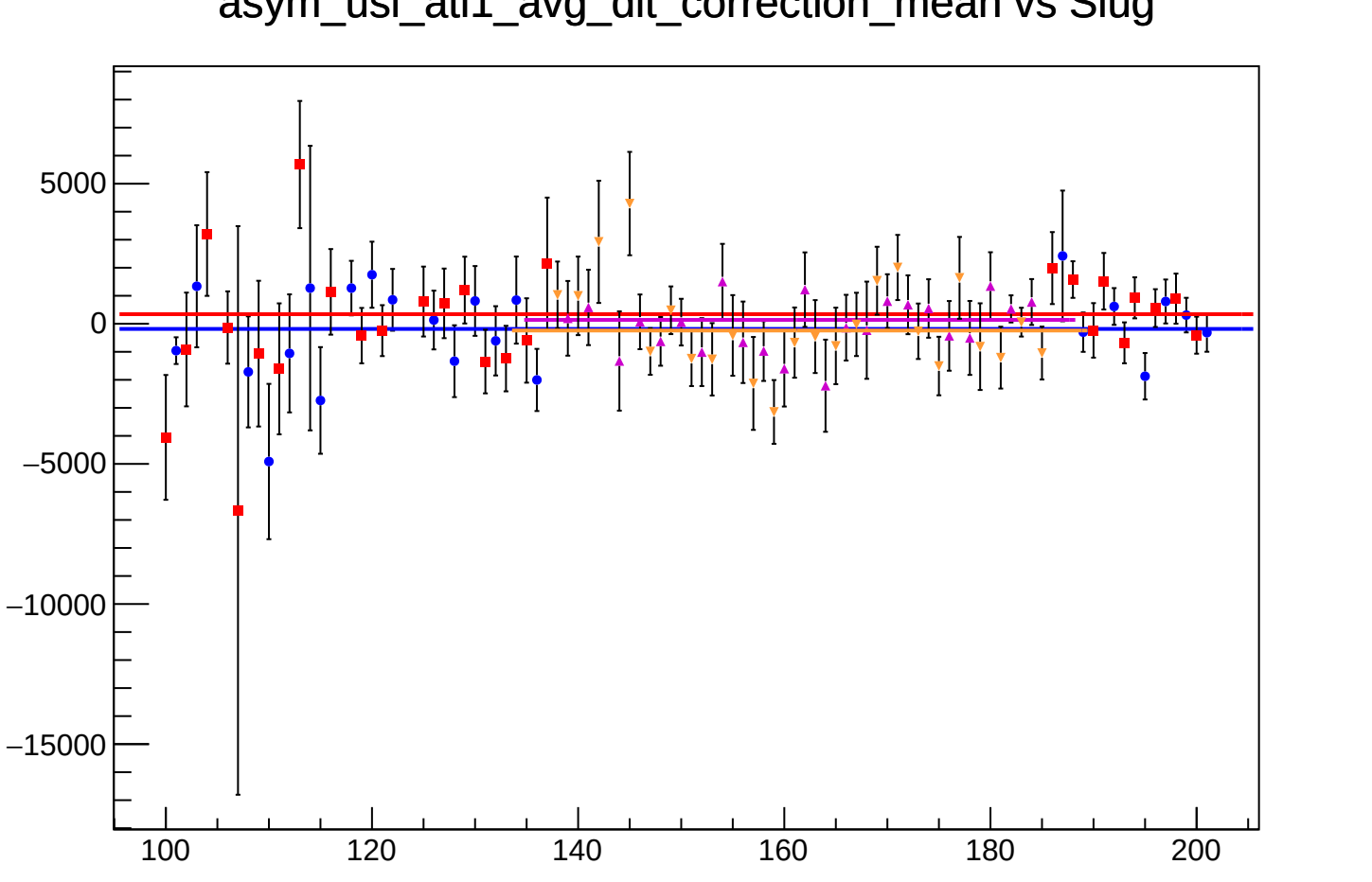
Right Out: 1552.896+/-0.300 χ^2/NDF: 275563.9/26

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1486.821+/-0.189 χ^2/NDF: 153735.4/46

All: 1495.766+/-0.134 χ^2/NDF: 481205.6/96

- sign 1504.680+/-0.189 χ^2/NDF: 323013.5/49



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: 342.938+/-208.282 χ^2/NDF: 31.5/26

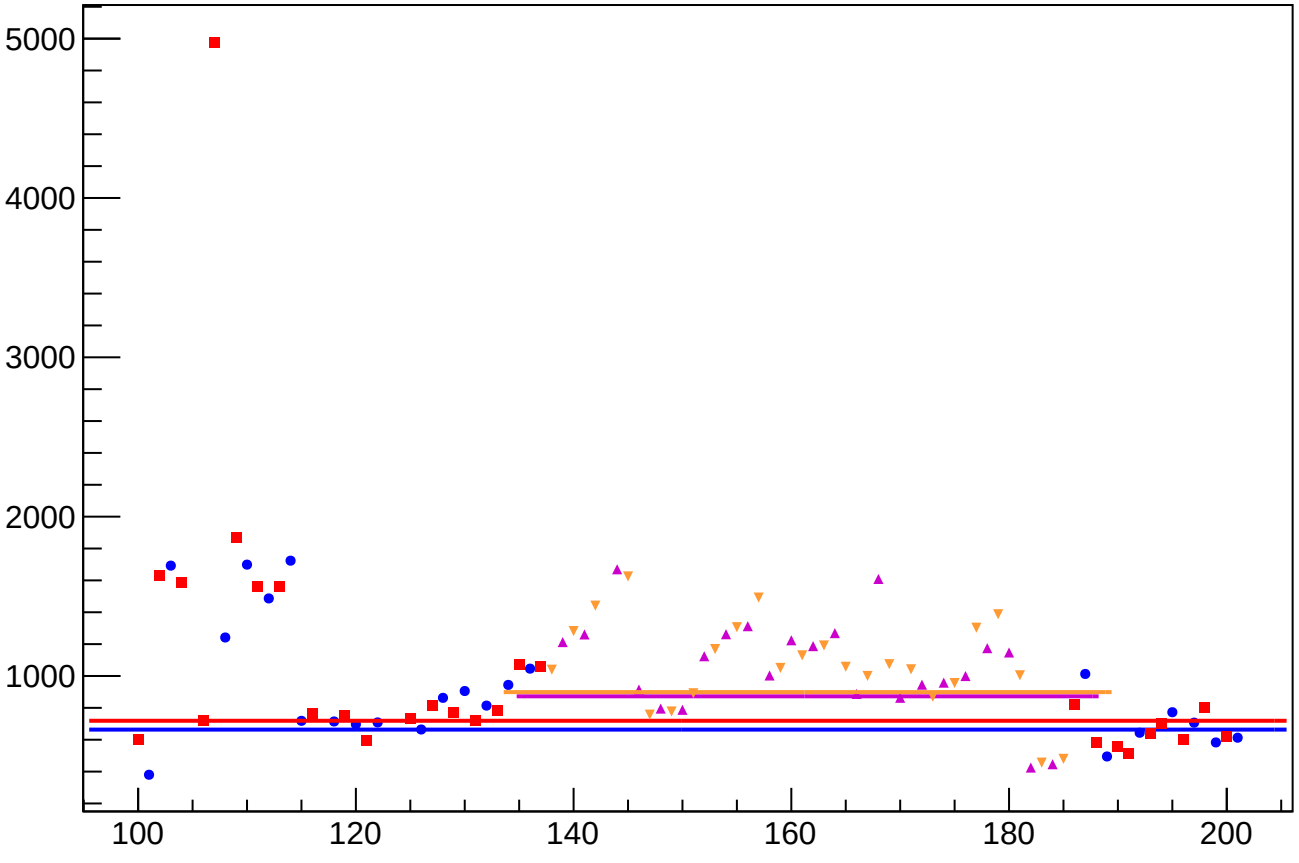
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -209.369+/-149.237 χ^2/NDF: 60.9/46

All: 15.797+/-106.059 χ^2/NDF: 110.4/96

- sign 245.563+/-150.753 χ^2/NDF: 44.9/49

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: 718.926+/-0.147 χ^2/NDF: 2601936.4/26

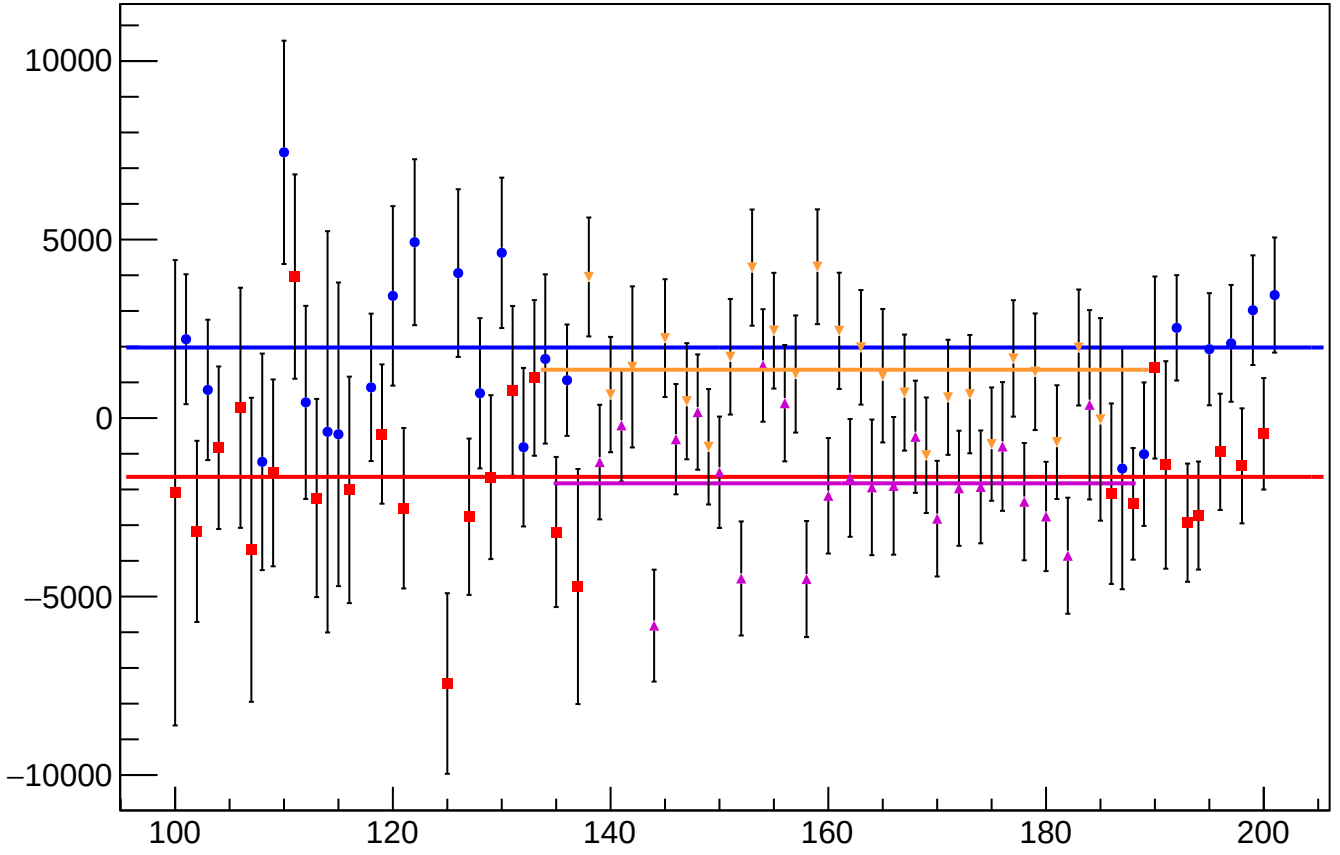
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 770.061+/-0.106 χ^2/NDF: 7735699.1/46

All: 780.936+/-0.075 χ^2/NDF: 15312120.9/96

- sign 792.033+/-0.107 χ^2/NDF: 7554965.4/49

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: -1647.363+/-424.655 χ^2/NDF: 18.7/26

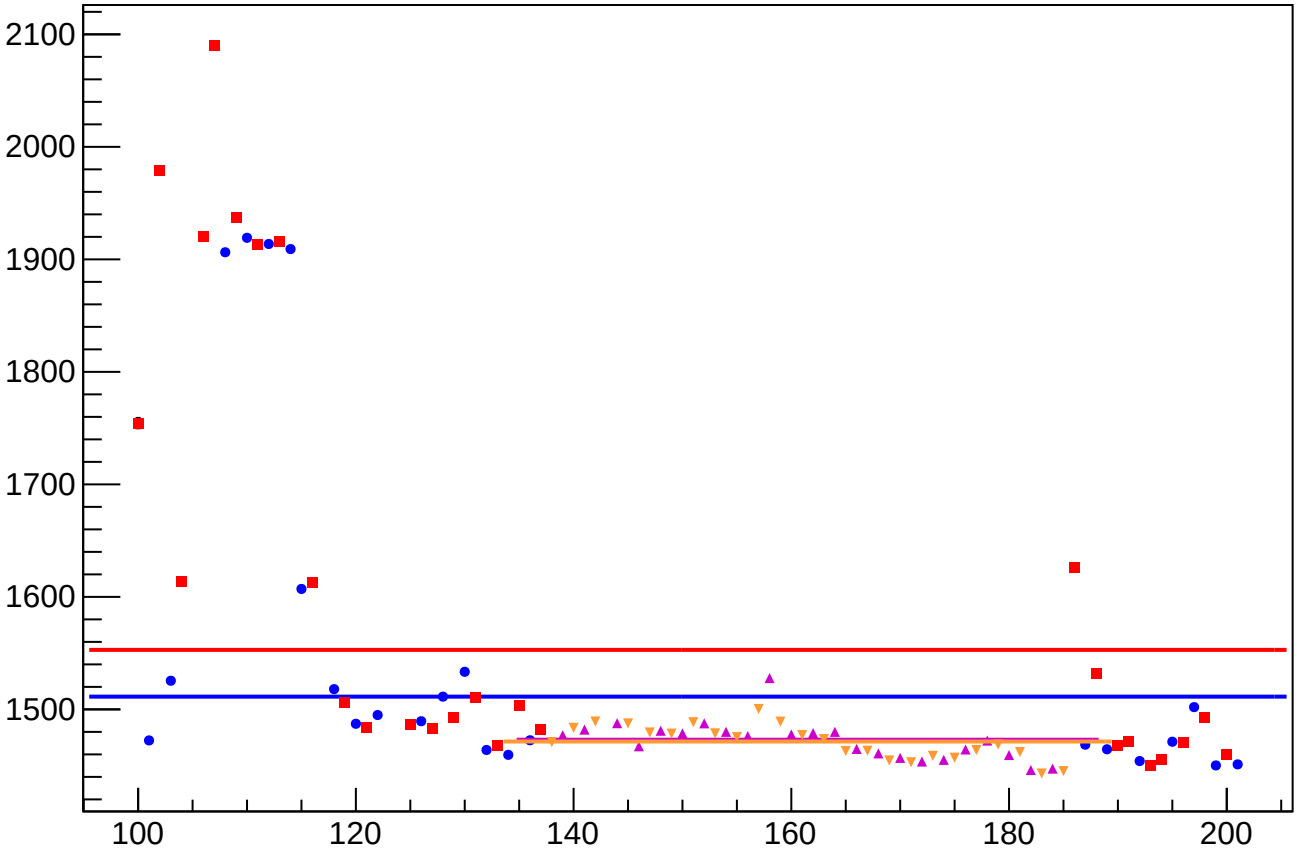
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1593.965+/-267.742 χ^2/NDF: 37.2/46

All: -84.219+/-189.158 χ^2/NDF: 160.2/96

- sign -1756.592+/-267.279 χ^2/NDF: 44.6/49

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

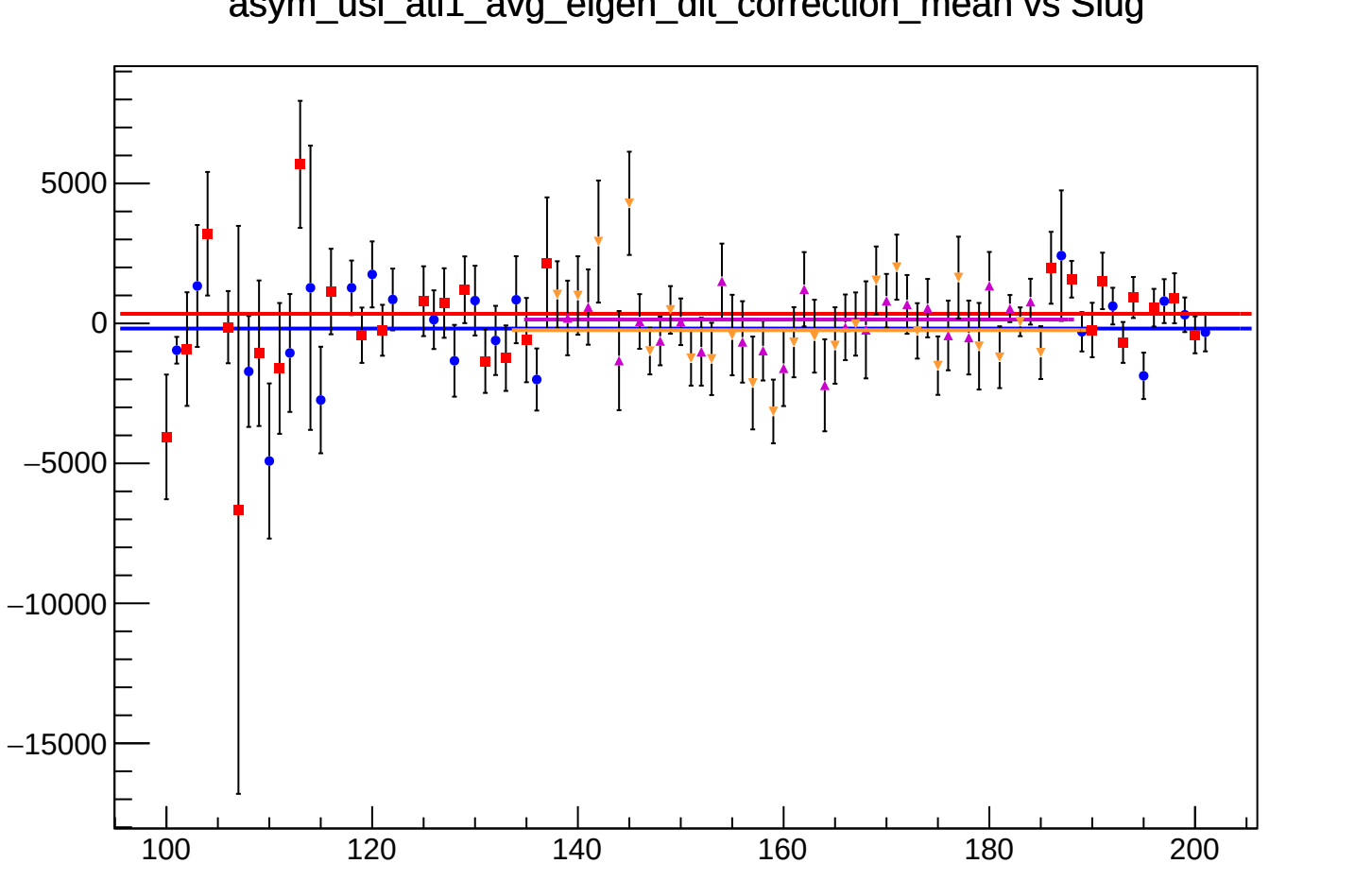
Right Out: 1552.896+/-0.300 χ^2/NDF: 275563.5/26

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1486.821+/-0.189 χ^2/NDF: 153735.3/46

All: 1495.766+/-0.134 χ^2/NDF: 481205.0/96

- sign 1504.680+/-0.189 χ^2/NDF: 323012.9/49



Right In: -183.805+/-201.740 χ^2/NDF: 28.5/22

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

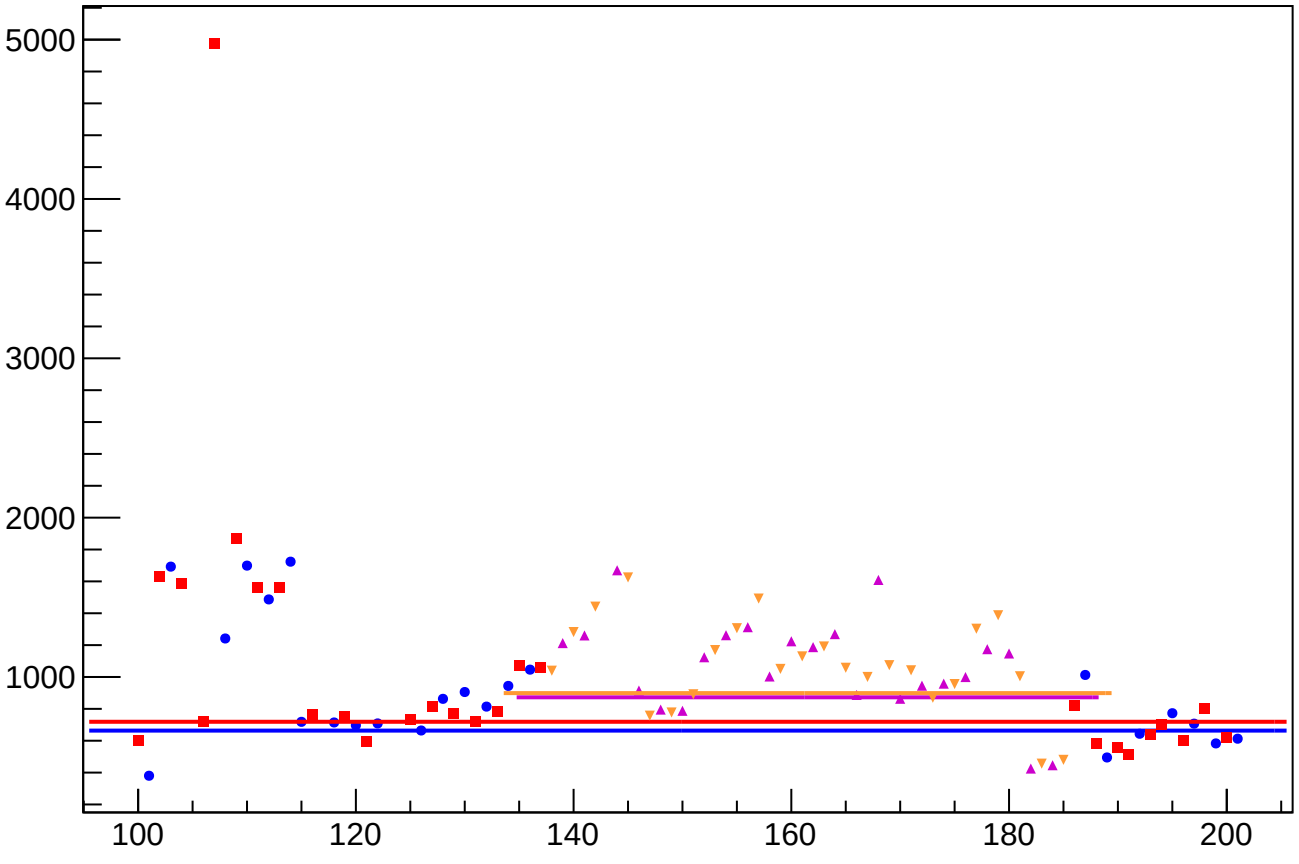
Right Out: 342.938+/-208.282 χ^2/NDF: 31.5/26

Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -209.370+/-149.237 χ^2/NDF: 60.9/46

All: 15.797+/-106.059 χ^2/NDF: 110.4/96

- sign 245.563+/-150.753 χ^2/NDF: 44.9/49



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: 718.926+/-0.147 χ^2/NDF: 2601937.8/26

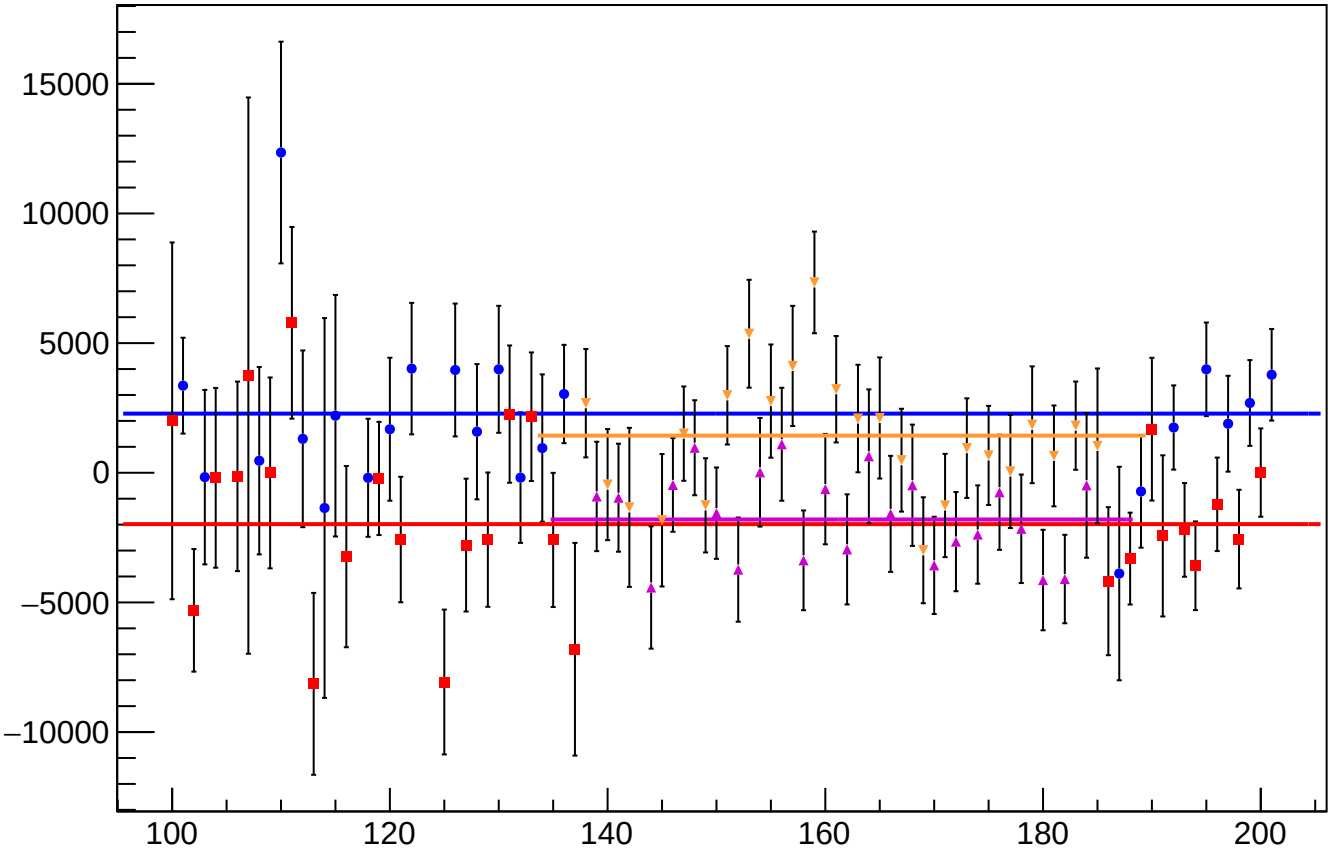
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 770.062+/-0.106 χ^2/NDF: 7735705.3/46

All: 780.936+/-0.075 χ^2/NDF: 15312142.7/96

- sign 792.033+/-0.107 χ^2/NDF: 7554981.4/49

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: -1981.087+/-484.715 χ^2/NDF: 28.9/26

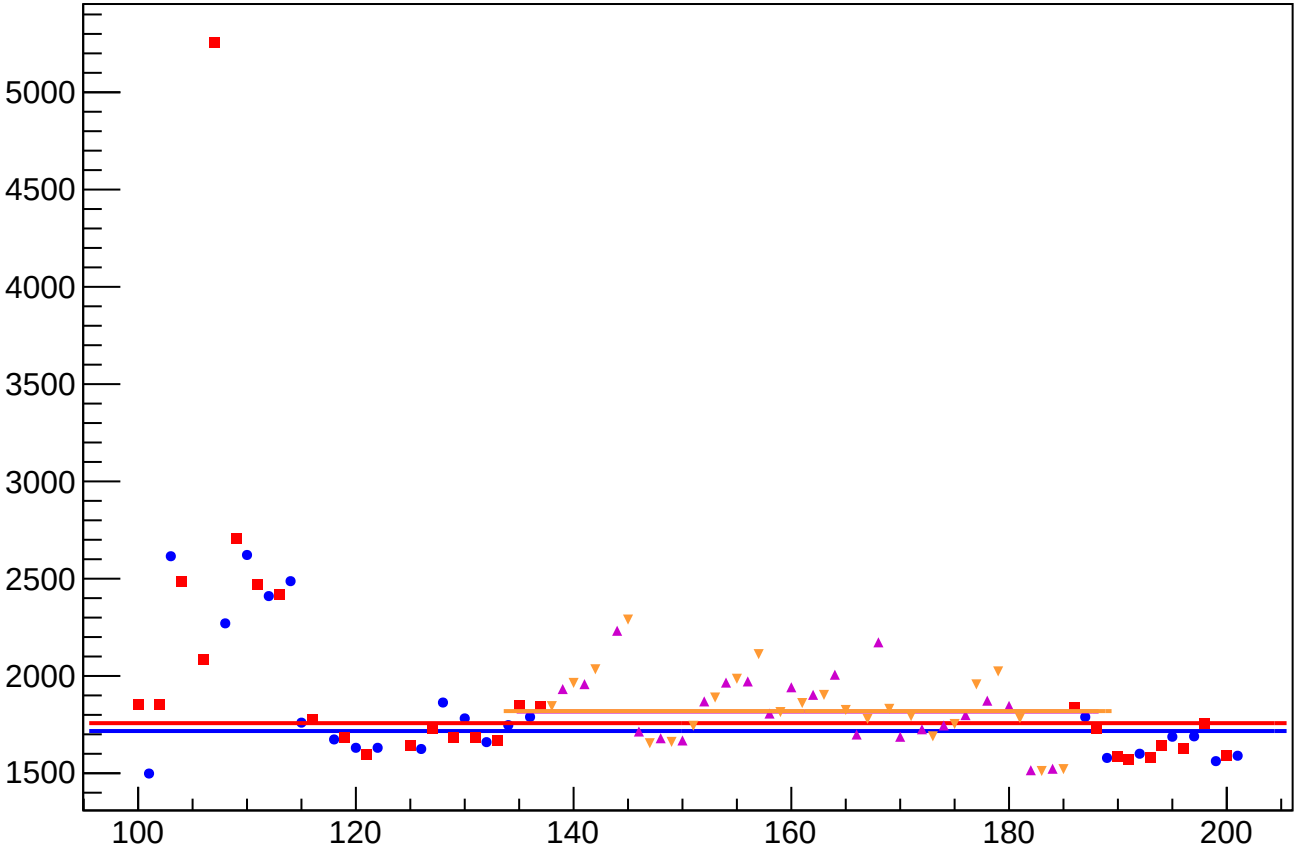
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1793.875+/-321.822 χ^2/NDF: 48.1/46

All: -52.354+/-226.983 χ^2/NDF: 157.9/96

- sign -1879.887+/-320.188 χ^2/NDF: 44.3/49

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: 1757.507+/-0.343 χ^2/NDF: 698727.8/26

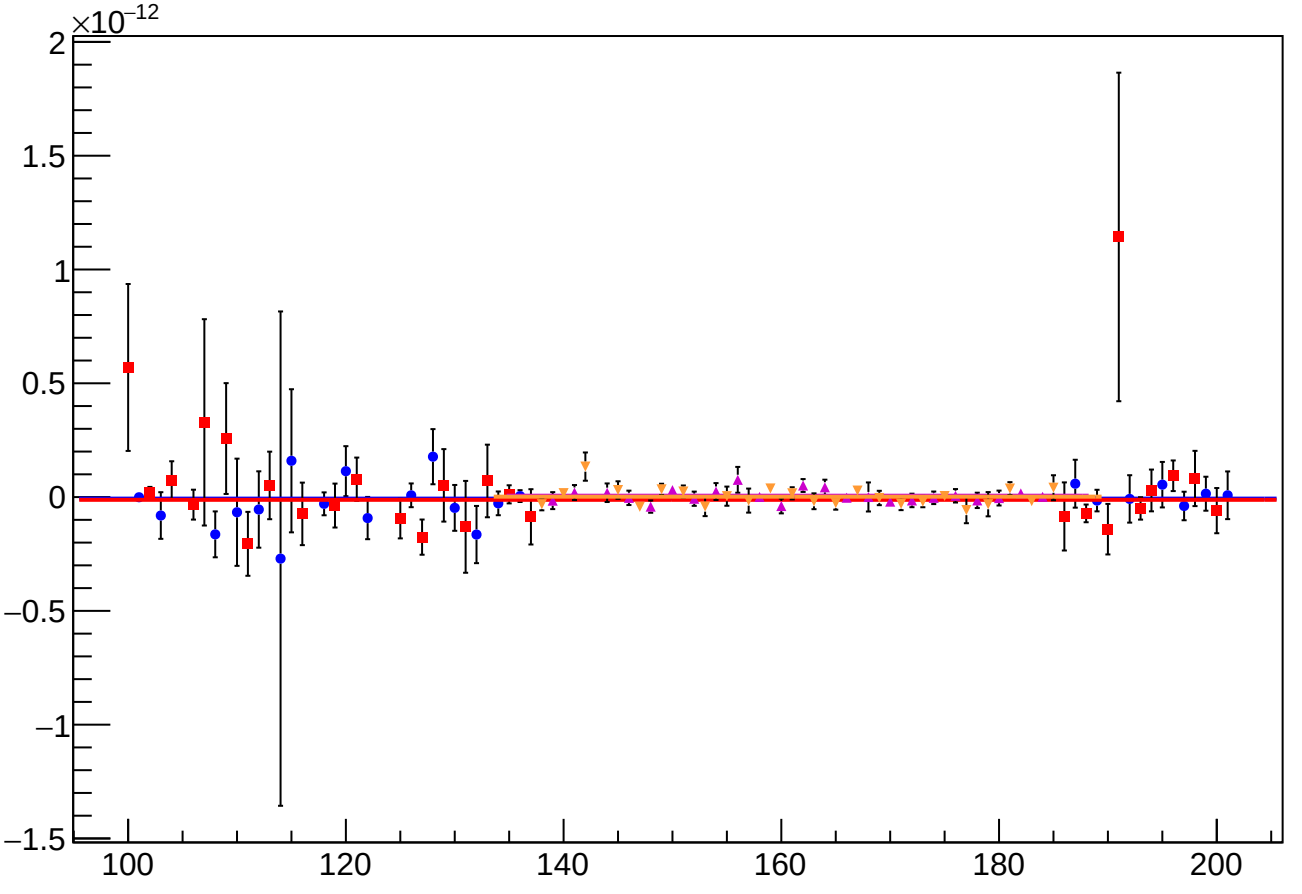
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1775.850+/-0.228 χ^2/NDF: 824124.3/46

All: 1783.524+/-0.161 χ^2/NDF: 1849280.9/96

- sign 1791.120+/-0.226 χ^2/NDF: 1022893.8/49

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: 27.6/26

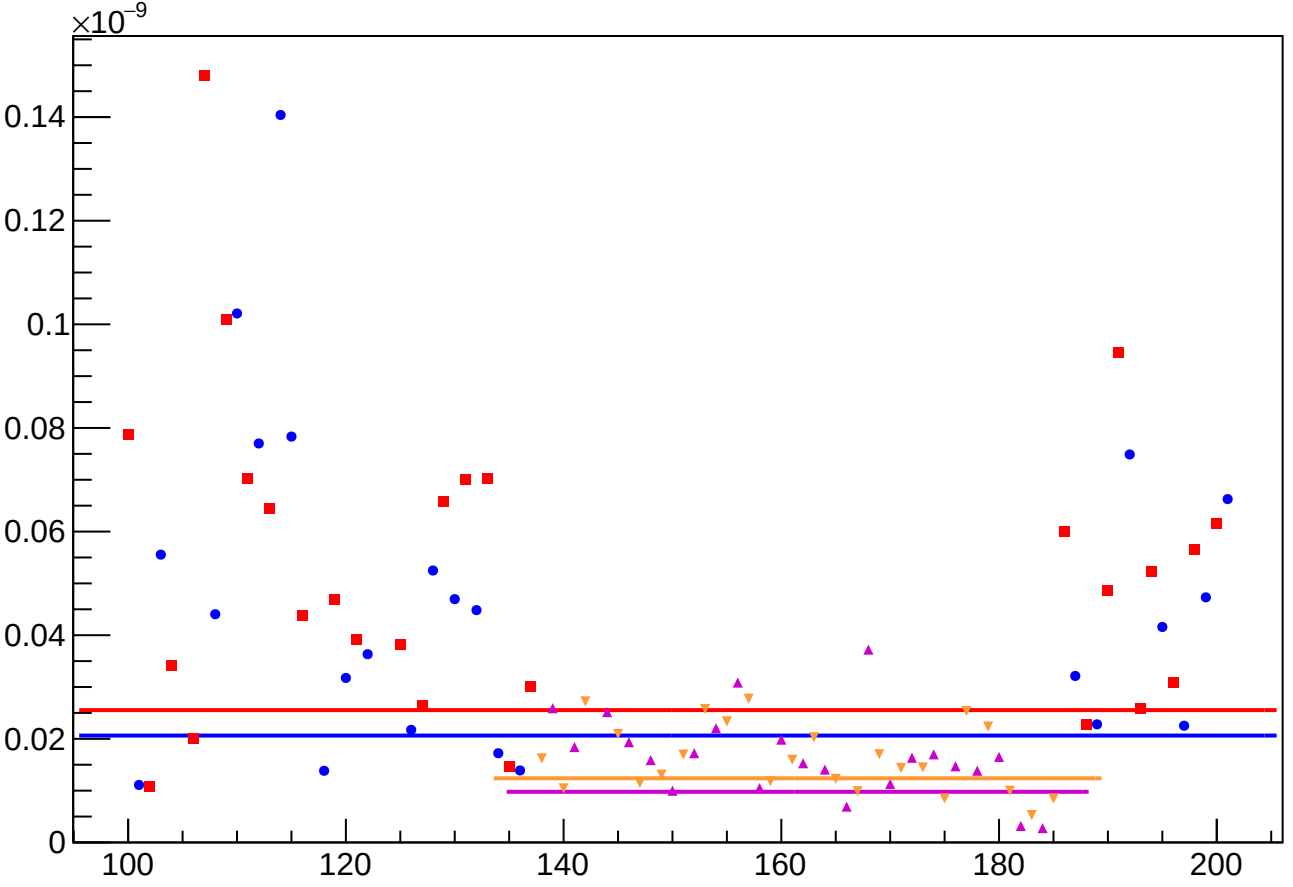
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/46

All: 0.000+/-0.000 χ^2/NDF: 88.6/96

- sign 0.000+/-0.000 χ^2/NDF: 47.1/49

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3253578.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2981049.0/26

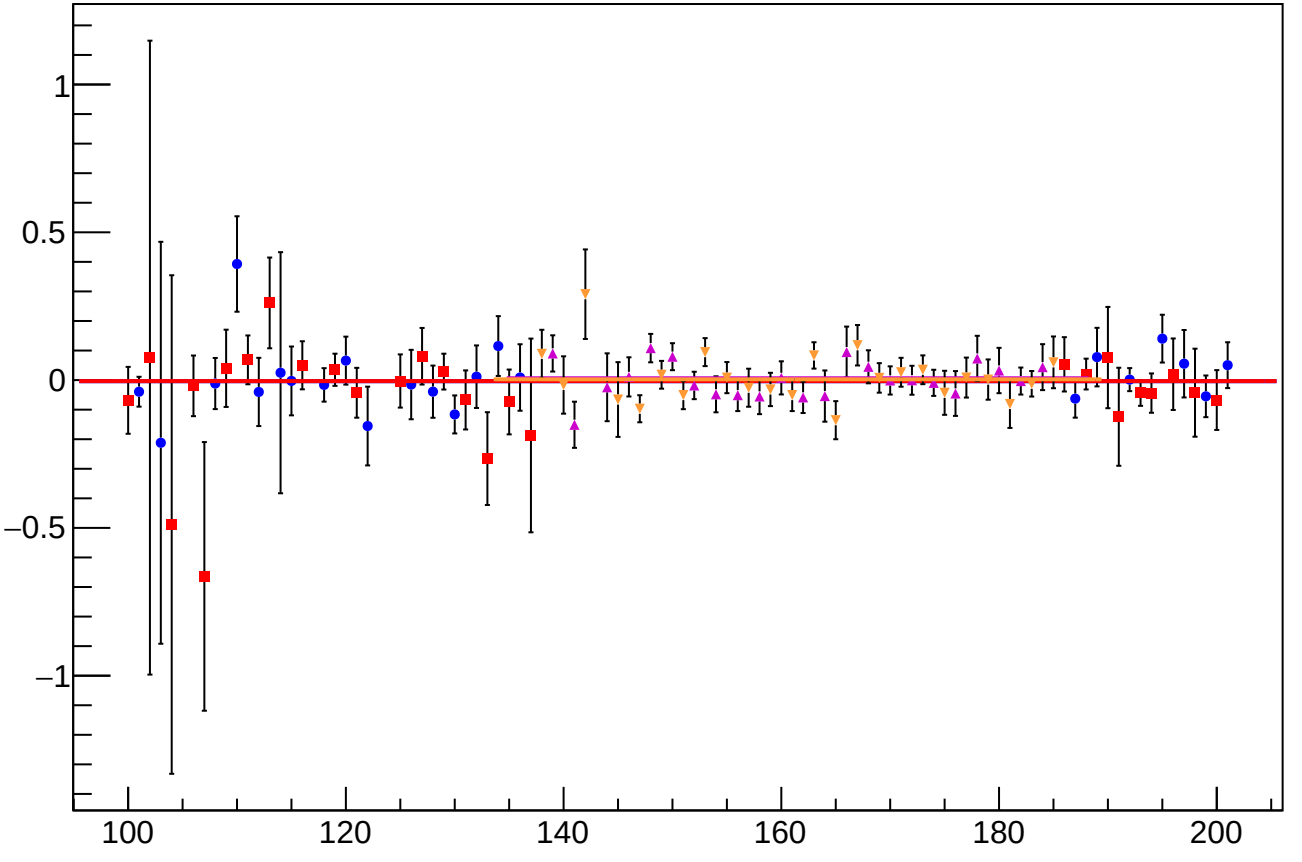
Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5953654.0/46

All: 0.000+/-0.000 χ^2/NDF: 15993150.3/96

- sign 0.000+/-0.000 χ^2/NDF: 9769671.5/49

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: -0.003+/-0.017 χ^2/NDF: 15.8/26

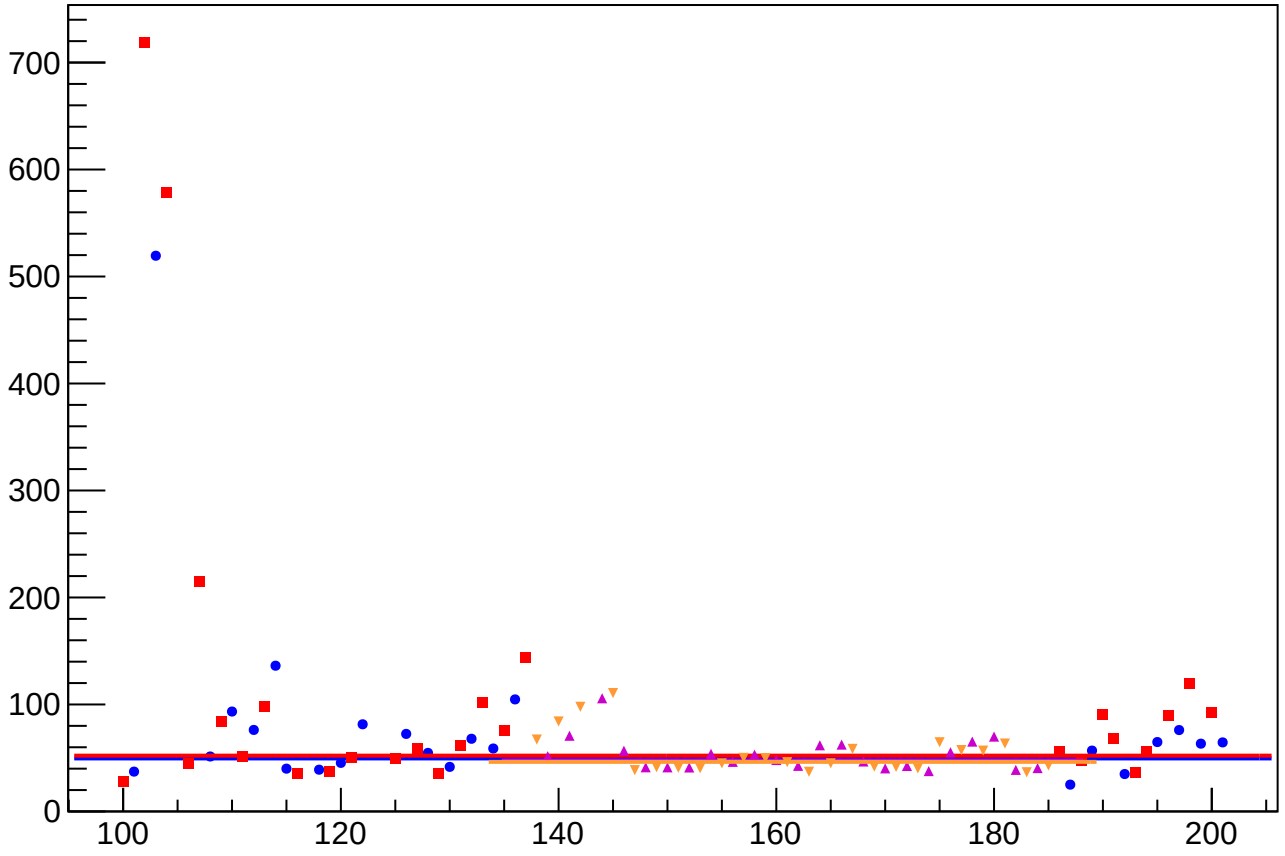
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.000+/-0.010 χ^2/NDF: 49.4/46

All: 0.002+/-0.007 χ^2/NDF: 87.1/96

- sign 0.003+/-0.010 χ^2/NDF: 37.7/49

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

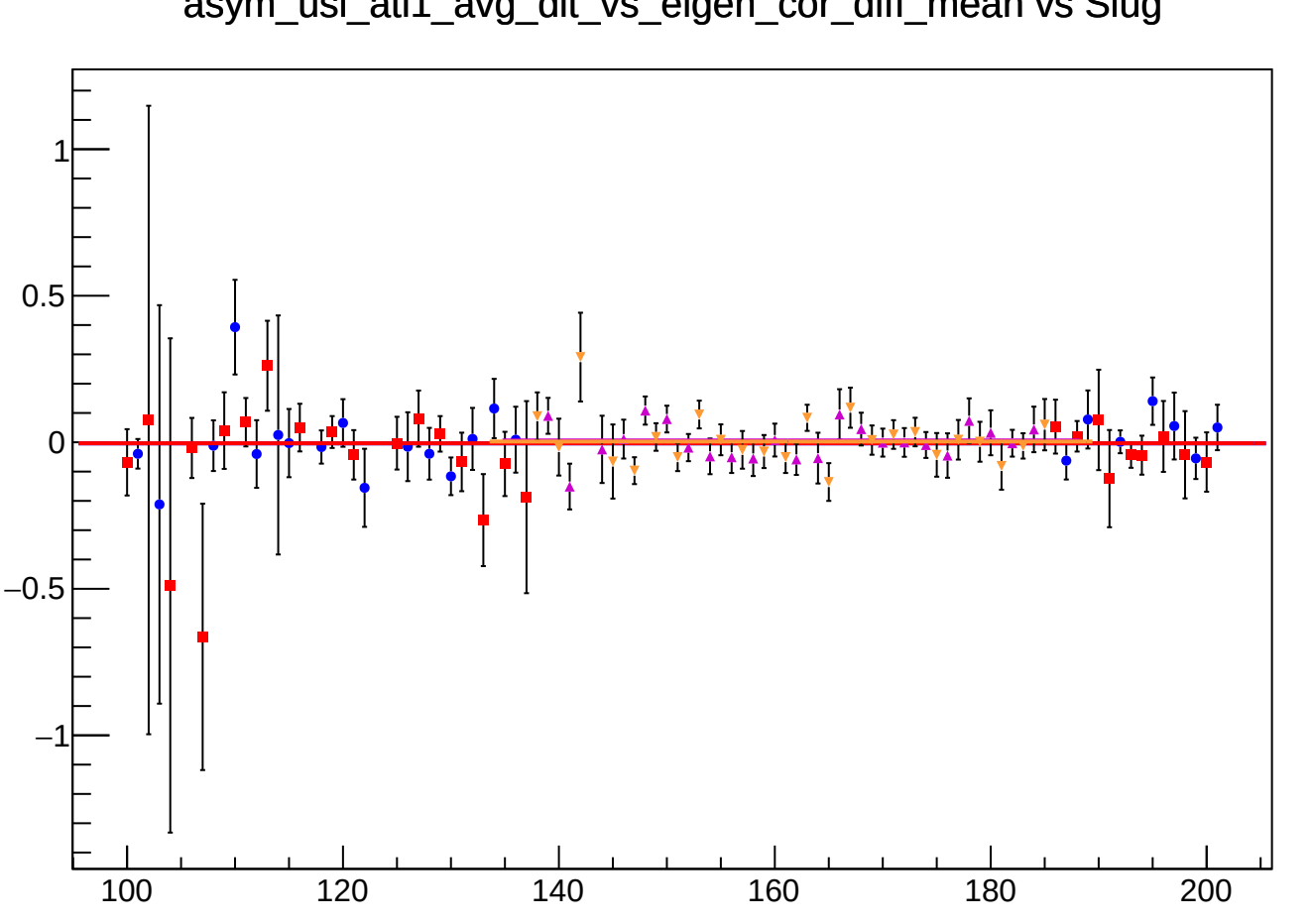
Right Out: 52.160+/-0.012 χ^2/NDF: 4382892.5/26

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.426+/-0.007 χ^2/NDF: 5222438.1/46

All: 48.232+/-0.005 χ^2/NDF: 11303454.9/96

- sign 49.078+/-0.007 χ^2/NDF: 6052748.4/49



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: -0.003+/-0.017 χ^2/NDF: 15.8/26

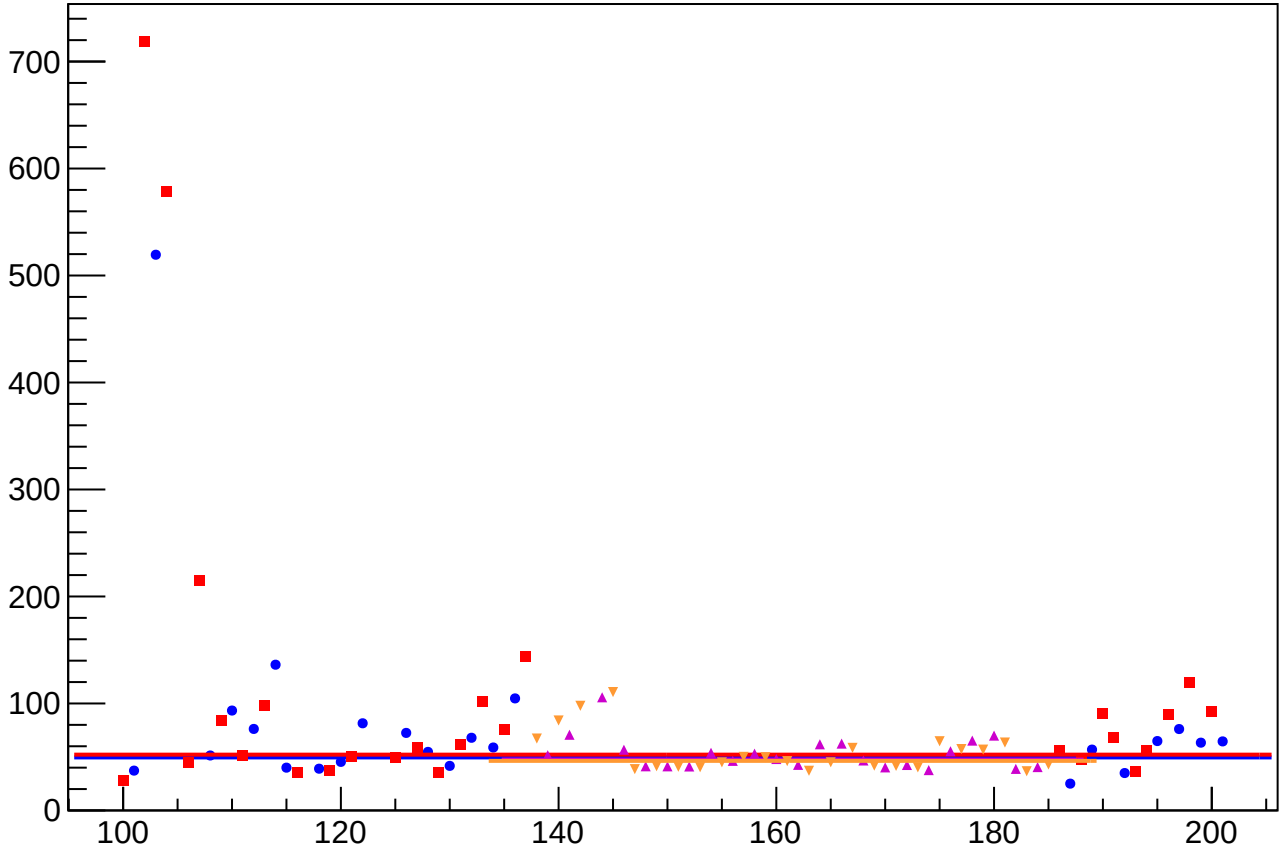
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.000+/-0.010 χ^2/NDF: 49.4/46

All: 0.002+/-0.007 χ^2/NDF: 87.1/96

- sign 0.003+/-0.010 χ^2/NDF: 37.7/49

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

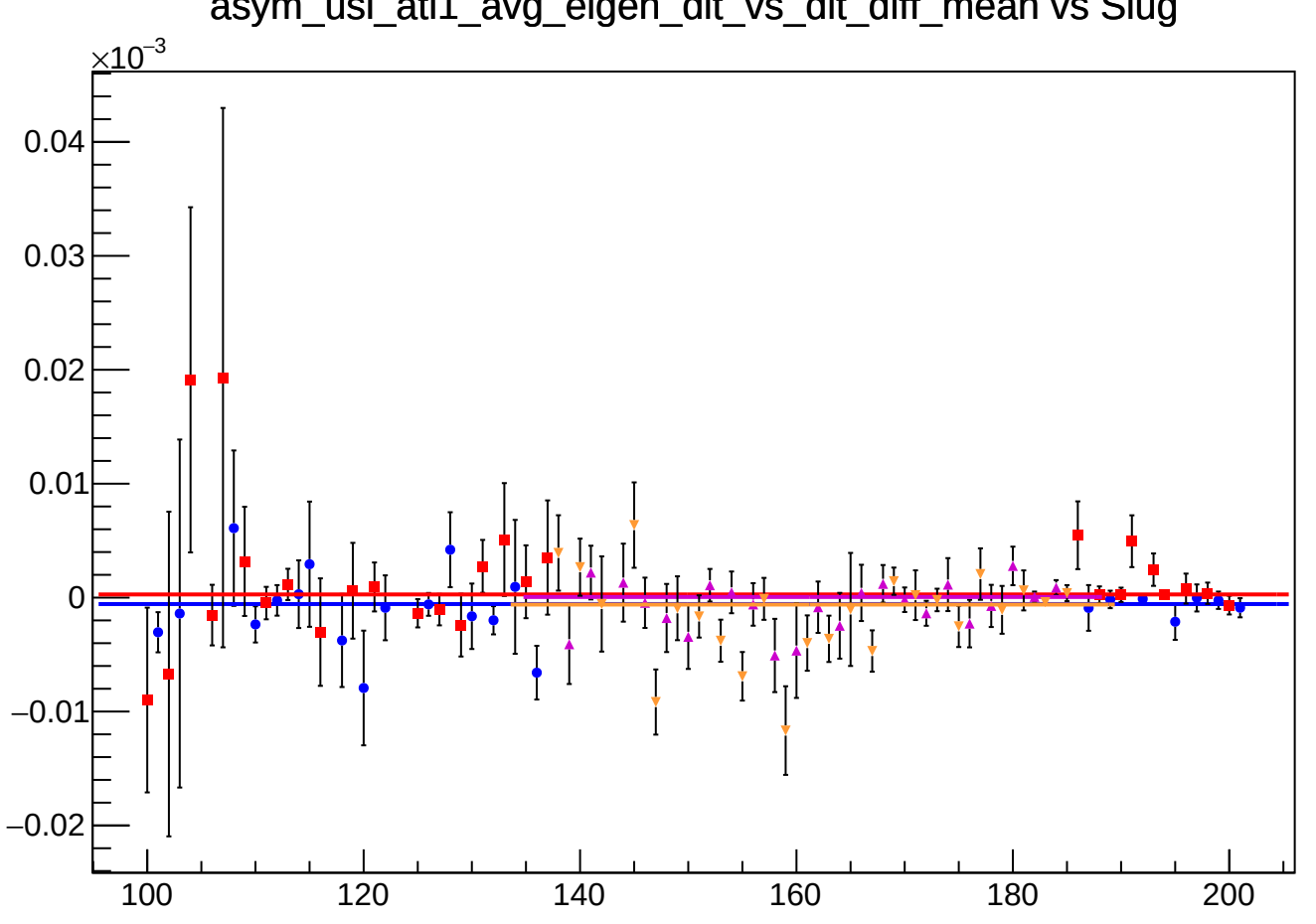
Right Out: 52.160+/-0.012 χ^2/NDF: 4382892.5/26

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.426+/-0.007 χ^2/NDF: 5222438.1/46

All: 48.232+/-0.005 χ^2/NDF: 11303454.9/96

- sign 49.078+/-0.007 χ^2/NDF: 6052748.4/49



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

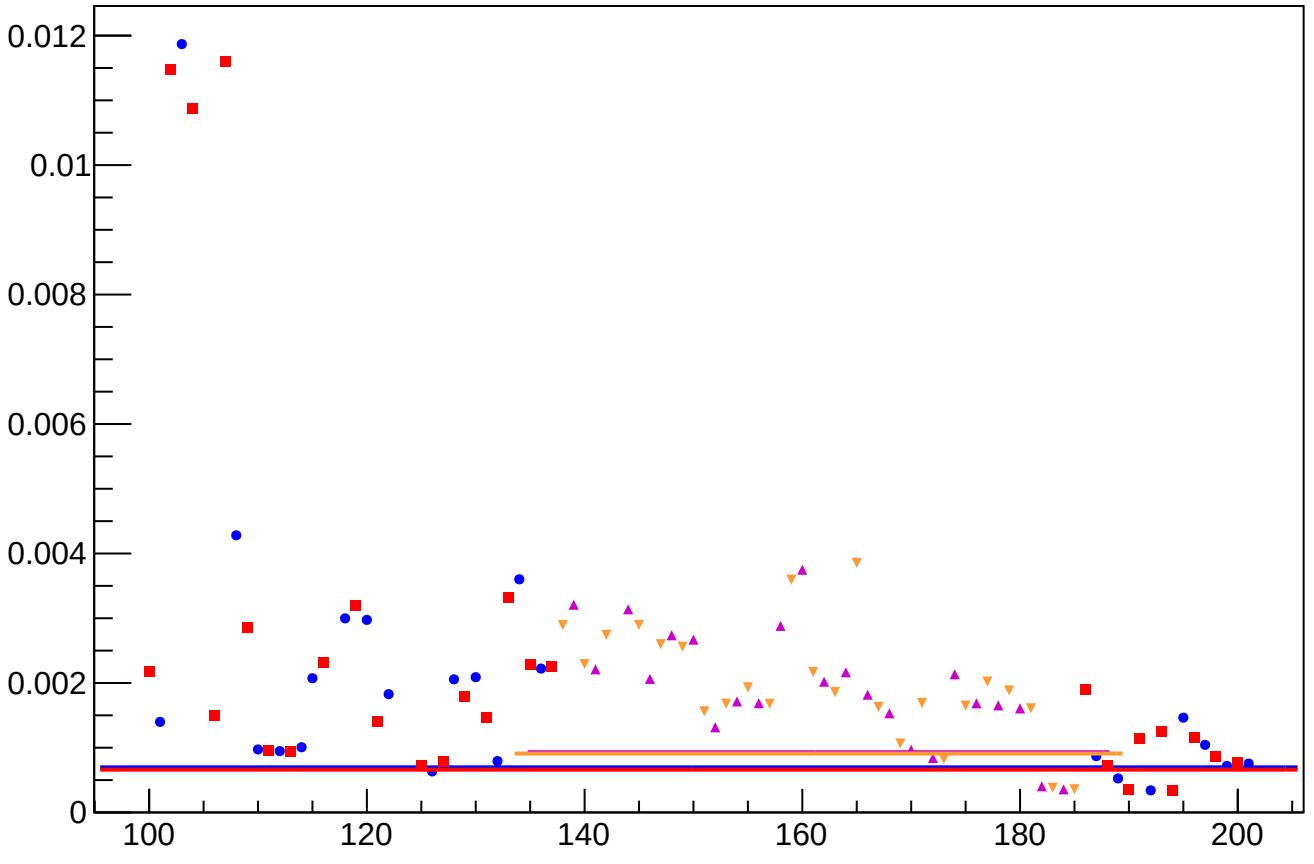
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/26

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: 125.1/96

- sign 0.000+/-0.000 χ^2/NDF: 41.5/49



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: 9625163.9/26

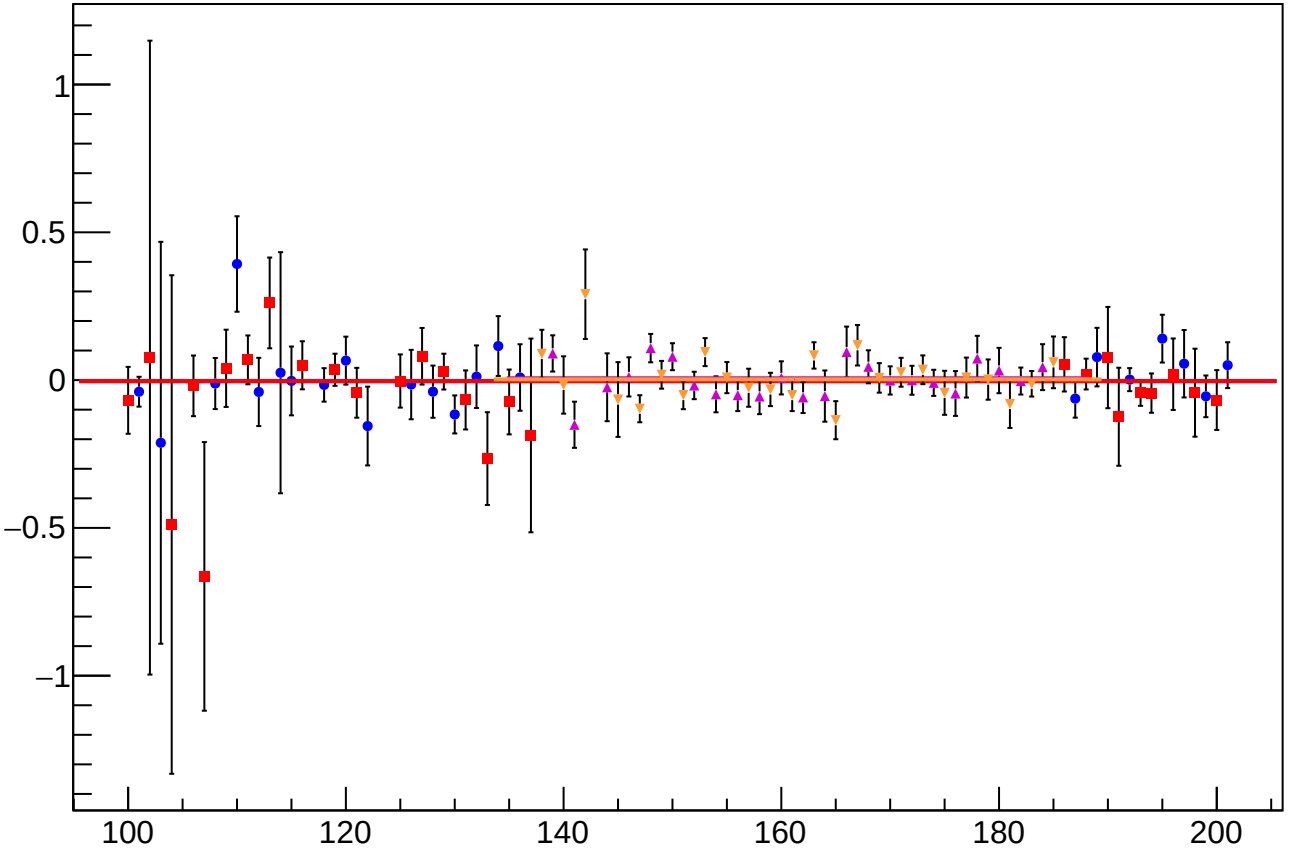
Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 22796158.8/46

All: 0.001+/-0.000 χ^2/NDF: 47218804.8/96

- sign 0.001+/-0.000 χ^2/NDF: 24407411.7/49

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: -0.003+/-0.017 χ^2/NDF: 15.8/26

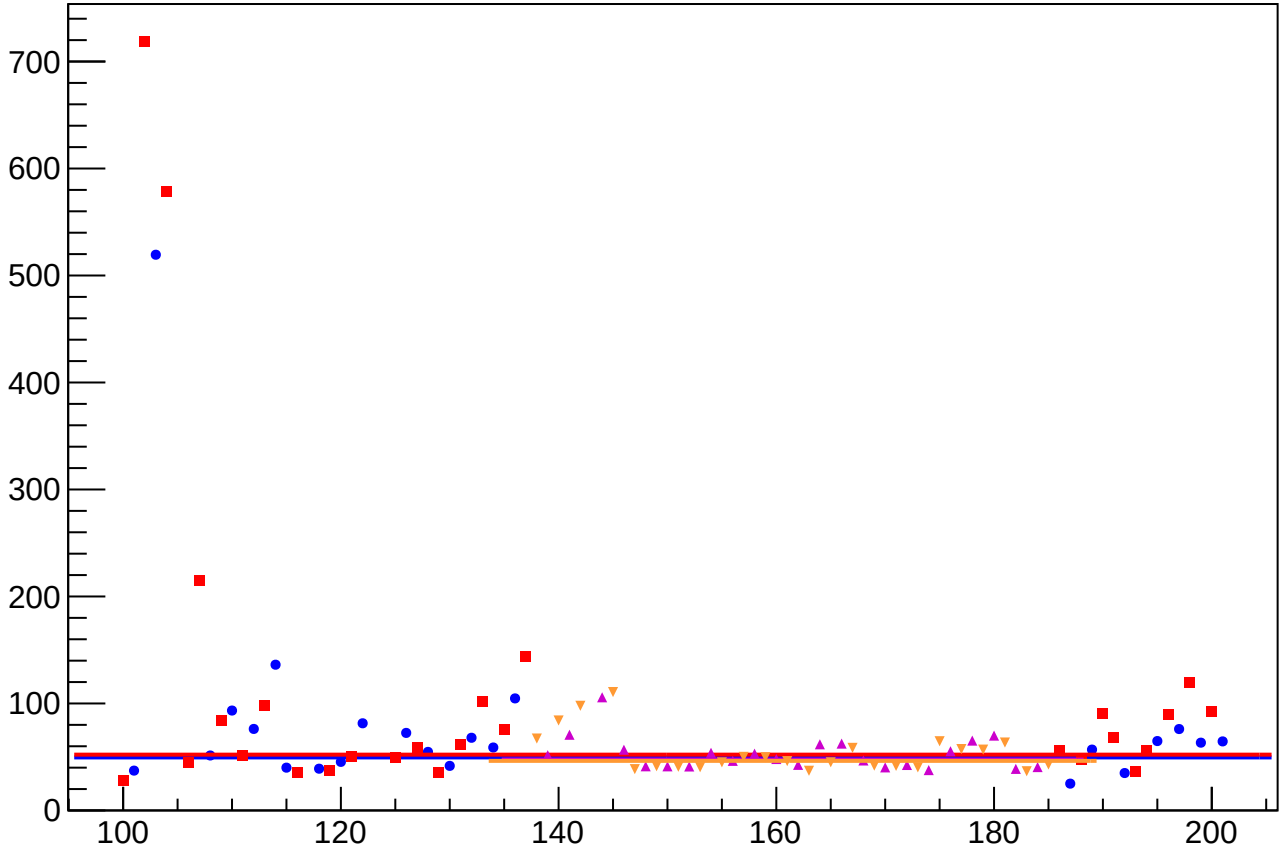
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.000+/-0.010 χ^2/NDF: 49.4/46

All: 0.002+/-0.007 χ^2/NDF: 87.1/96

- sign 0.003+/-0.010 χ^2/NDF: 37.7/49

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

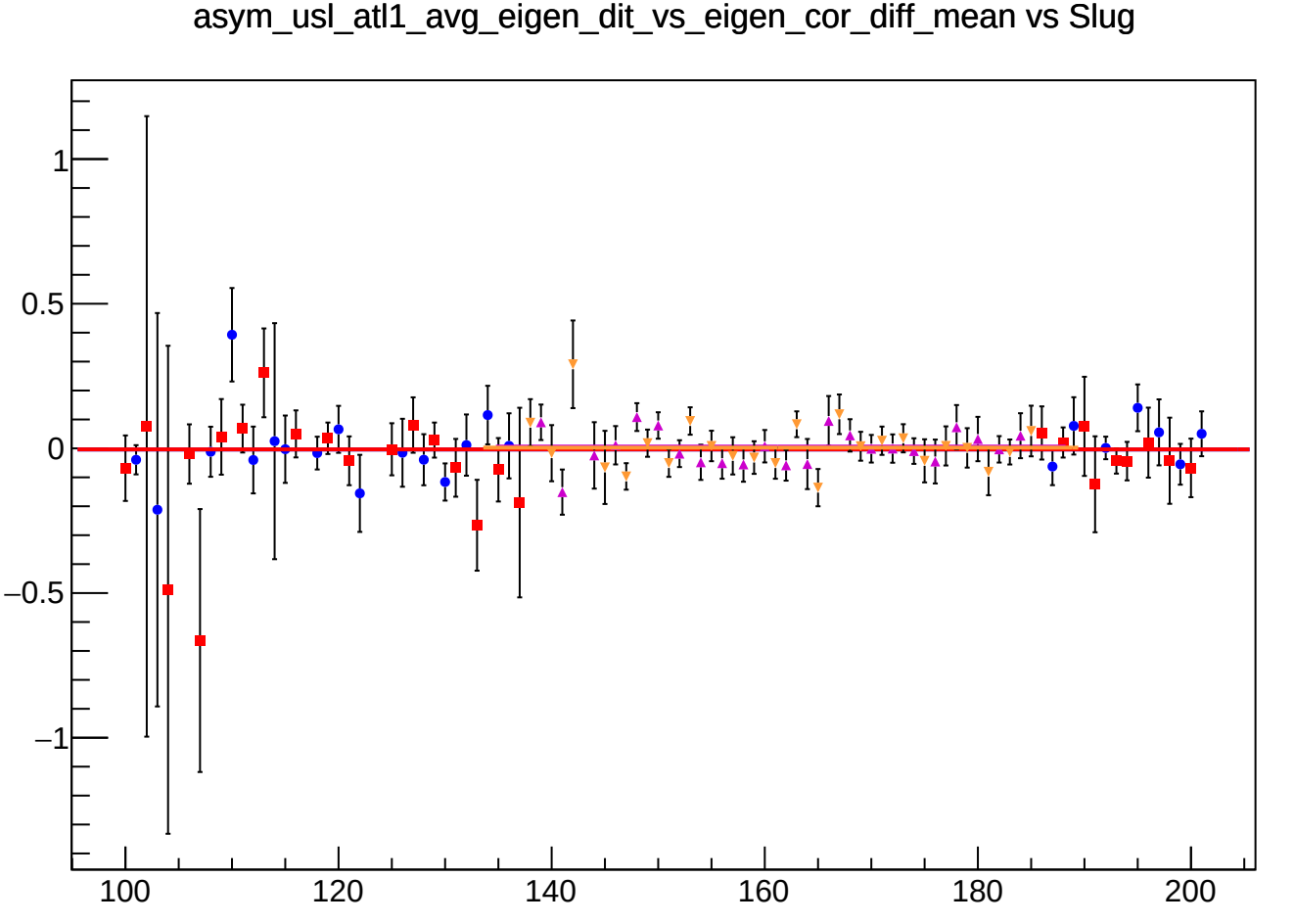
Right Out: 52.159+/-0.012 χ^2/NDF: 4382903.2/26

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.426+/-0.007 χ^2/NDF: 5222421.4/46

All: 48.232+/-0.005 χ^2/NDF: 11303439.7/96

- sign 49.078+/-0.007 χ^2/NDF: 6052754.0/49



Right In: -0.004+/-0.017 χ^2/NDF: 19.5/22

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

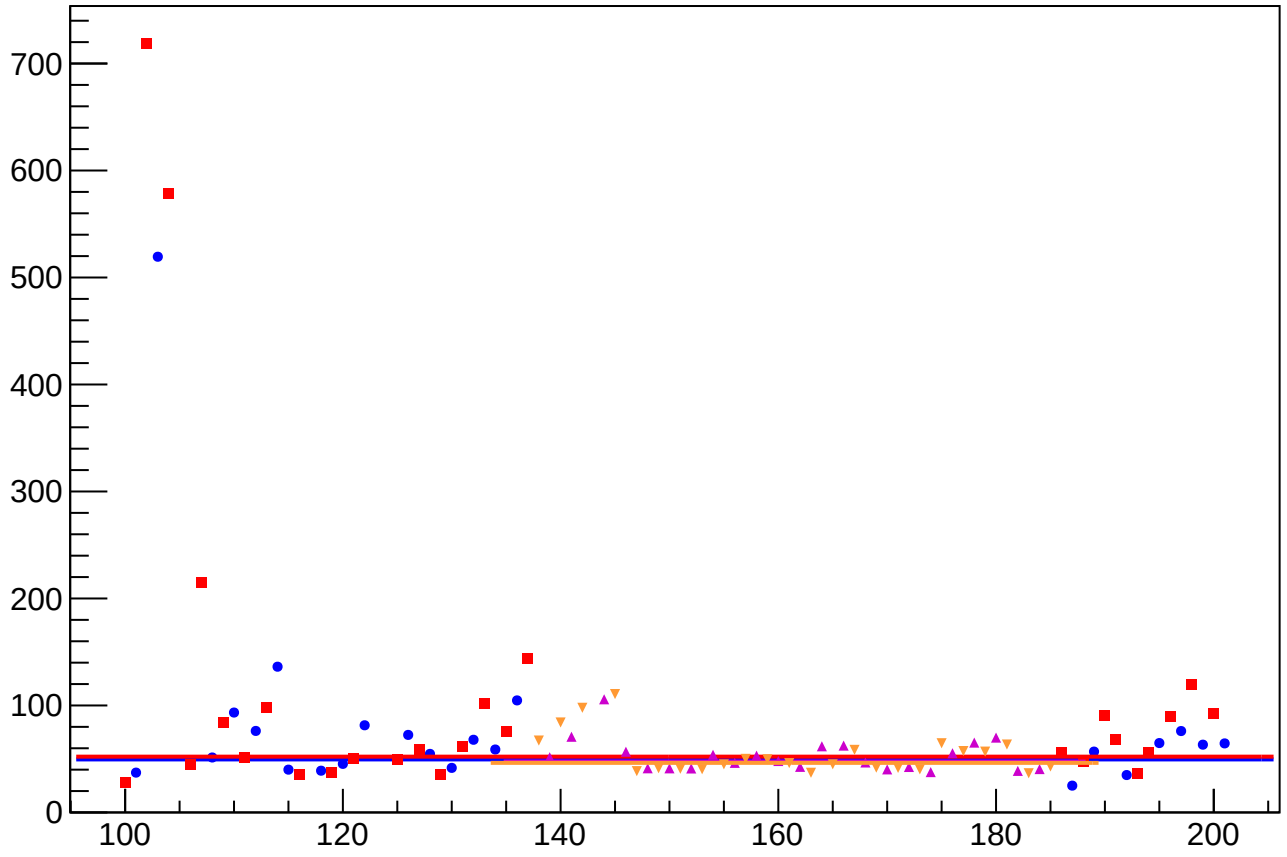
Right Out: -0.003+/-0.017 χ^2/NDF: 15.8/26

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: 87.1/96

- sign 0.003+/-0.010 χ^2/NDF: 37.7/49



Right In: 49.563+/-0.012 χ^2/NDF: 3206002.8/22

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

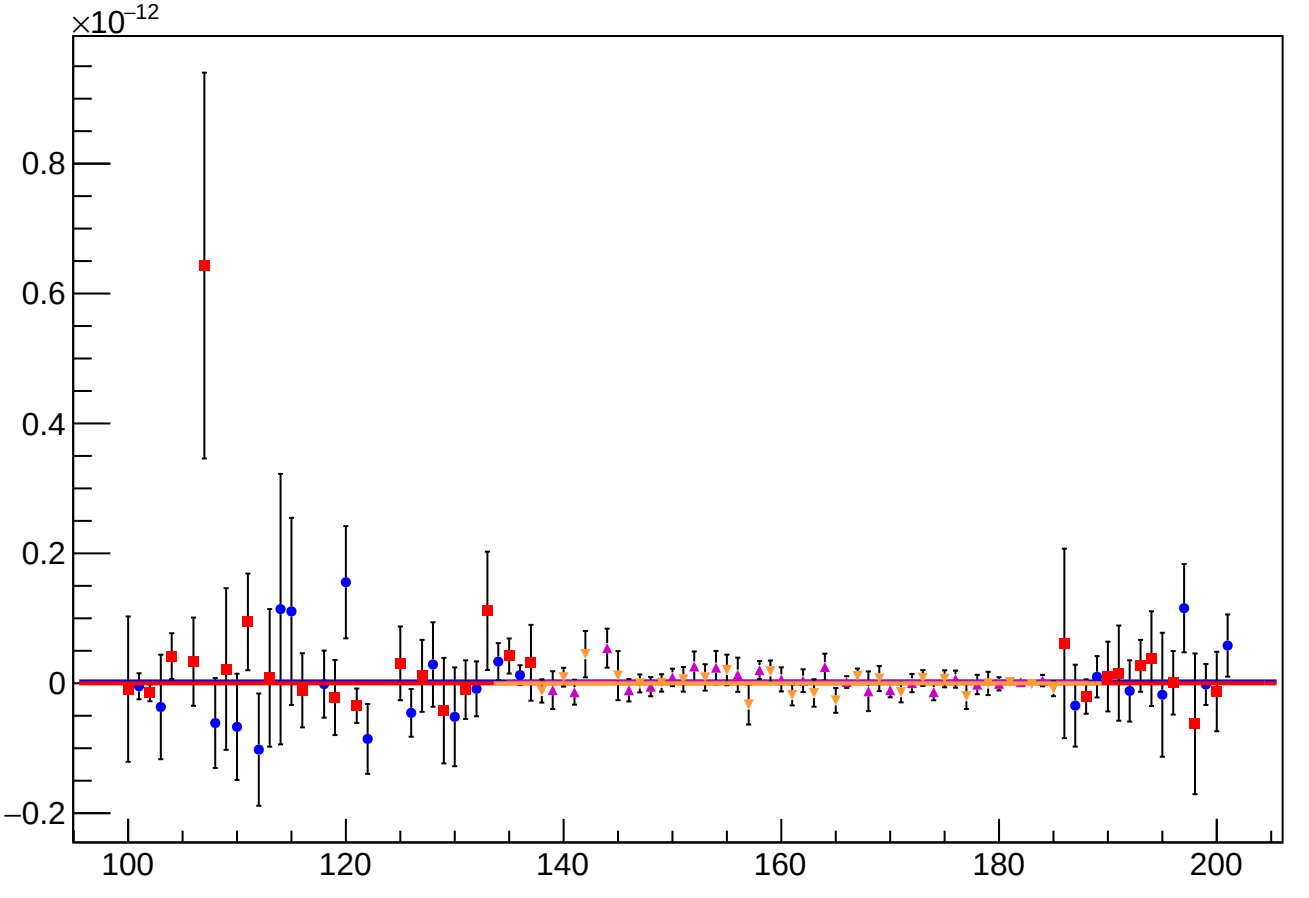
Right Out: 52.159+/-0.012 χ^2/NDF: 4382903.2/26

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.426+/-0.007 χ^2/NDF: 5222421.4/46

All: 48.232+/-0.005 χ^2/NDF: 11303439.7/96

- sign 49.078+/-0.007 χ^2/NDF: 6052754.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

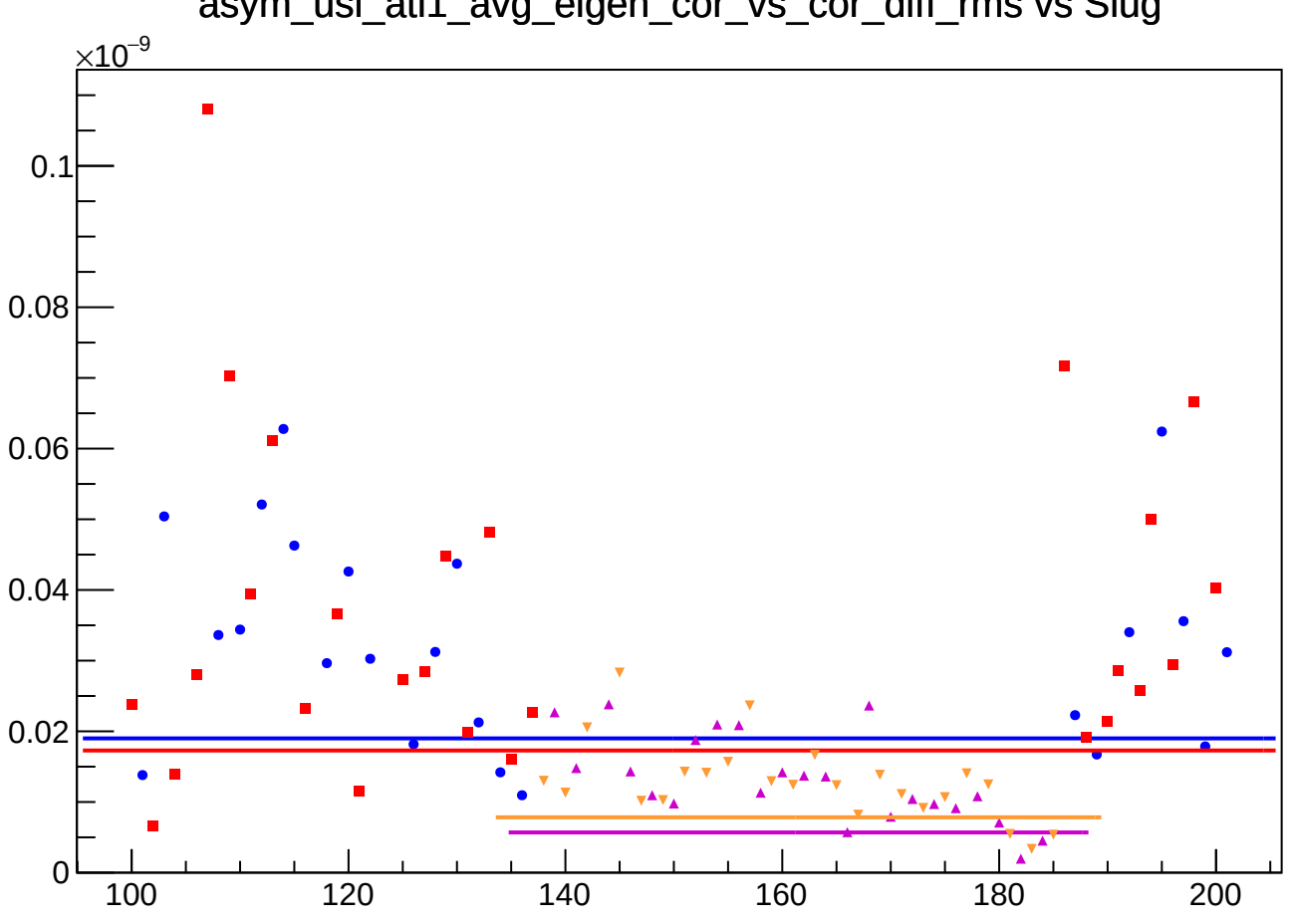
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/26

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: 64.4/96

- sign 0.000+/-0.000 χ^2/NDF: 31.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 3164312.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5123336.4/26

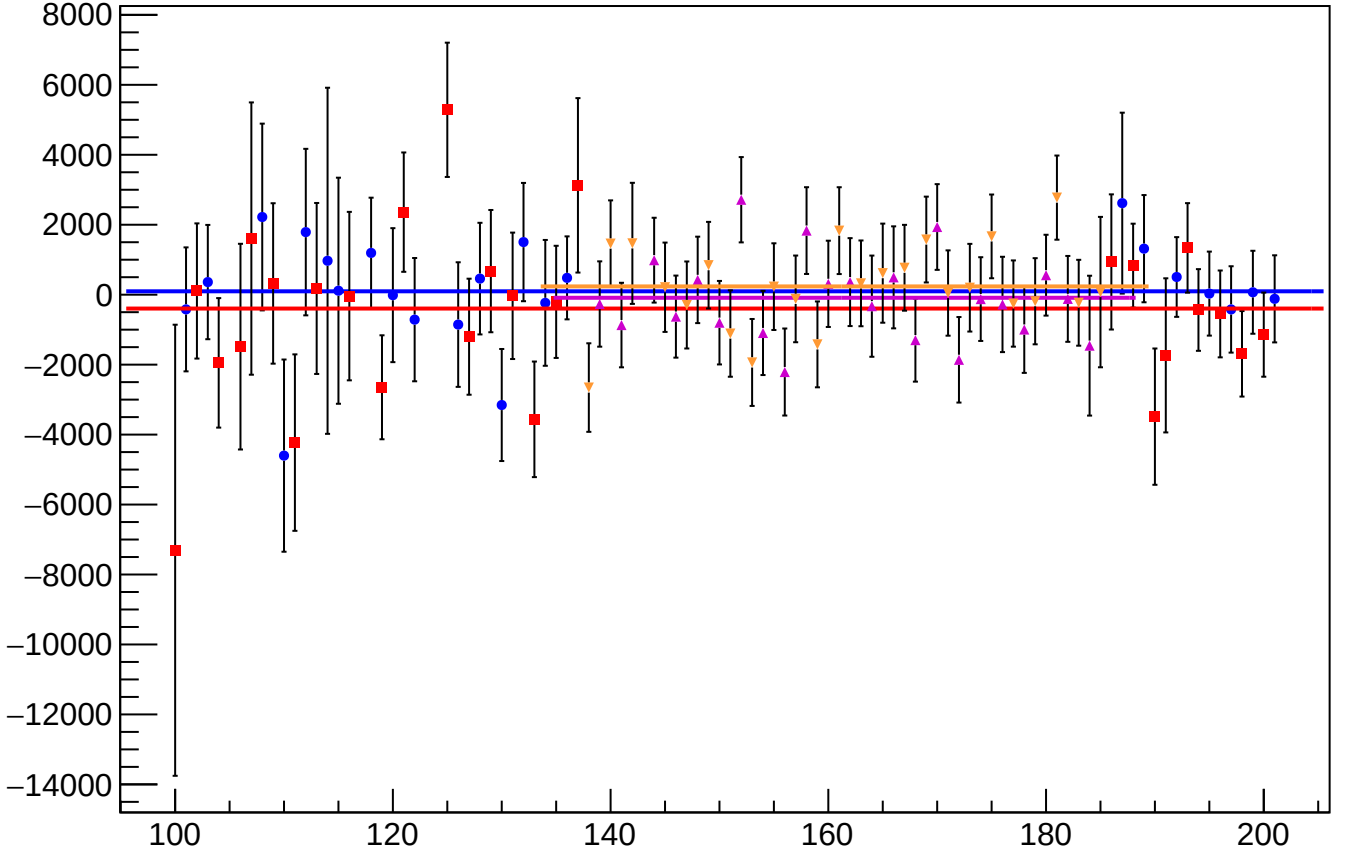
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12950246.0/46

All: 0.000+/-0.000 χ^2/NDF: 34378457.4/96

- sign 0.000+/-0.000 χ^2/NDF: 20352661.9/49

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: -396.307+/-329.330 χ^2/NDF: 32.6/26

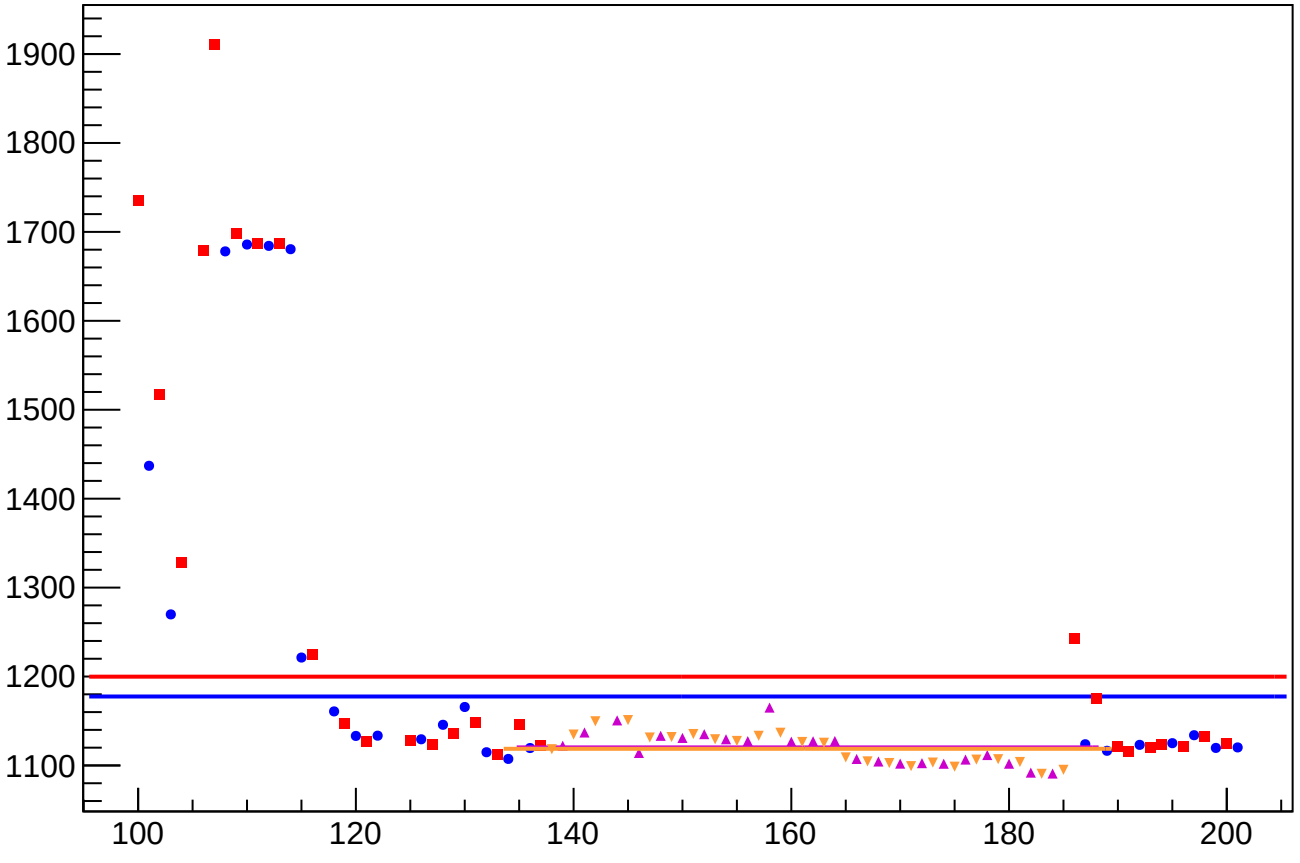
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 184.592+/-205.745 χ^2/NDF: 34.9/46

All: -12.322+/-145.163 χ^2/NDF: 90.8/96

- sign -207.509+/-204.841 χ^2/NDF: 54.0/49

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: 1199.842+/-0.233 χ^2/NDF: 518893.0/26

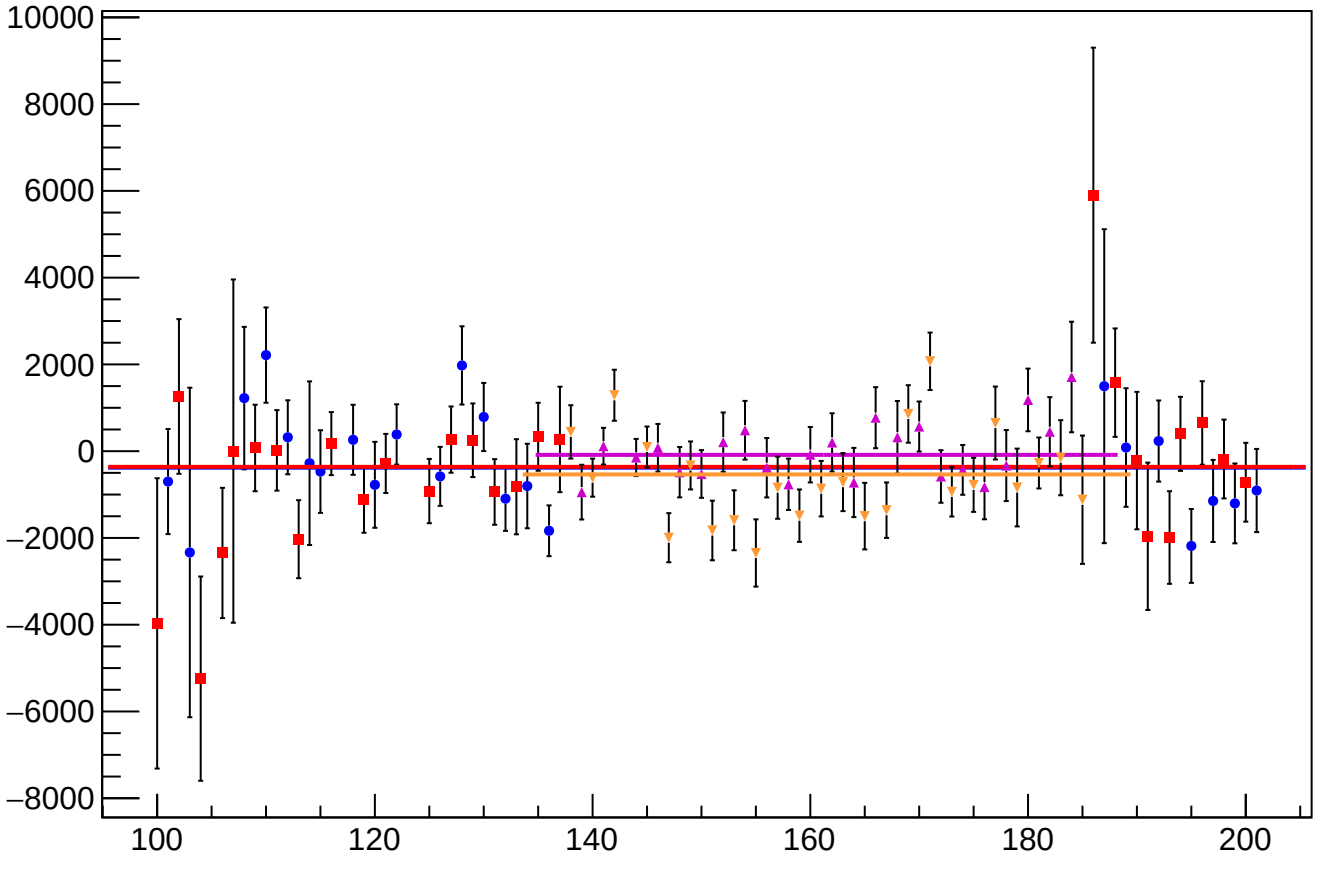
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1140.622+/-0.145 χ^2/NDF: 385445.2/46

All: 1145.873+/-0.103 χ^2/NDF: 987929.4/96

- sign 1151.078+/-0.145 χ^2/NDF: 599890.5/49

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: -361.001+/-191.393 χ^2/NDF: 28.1/26

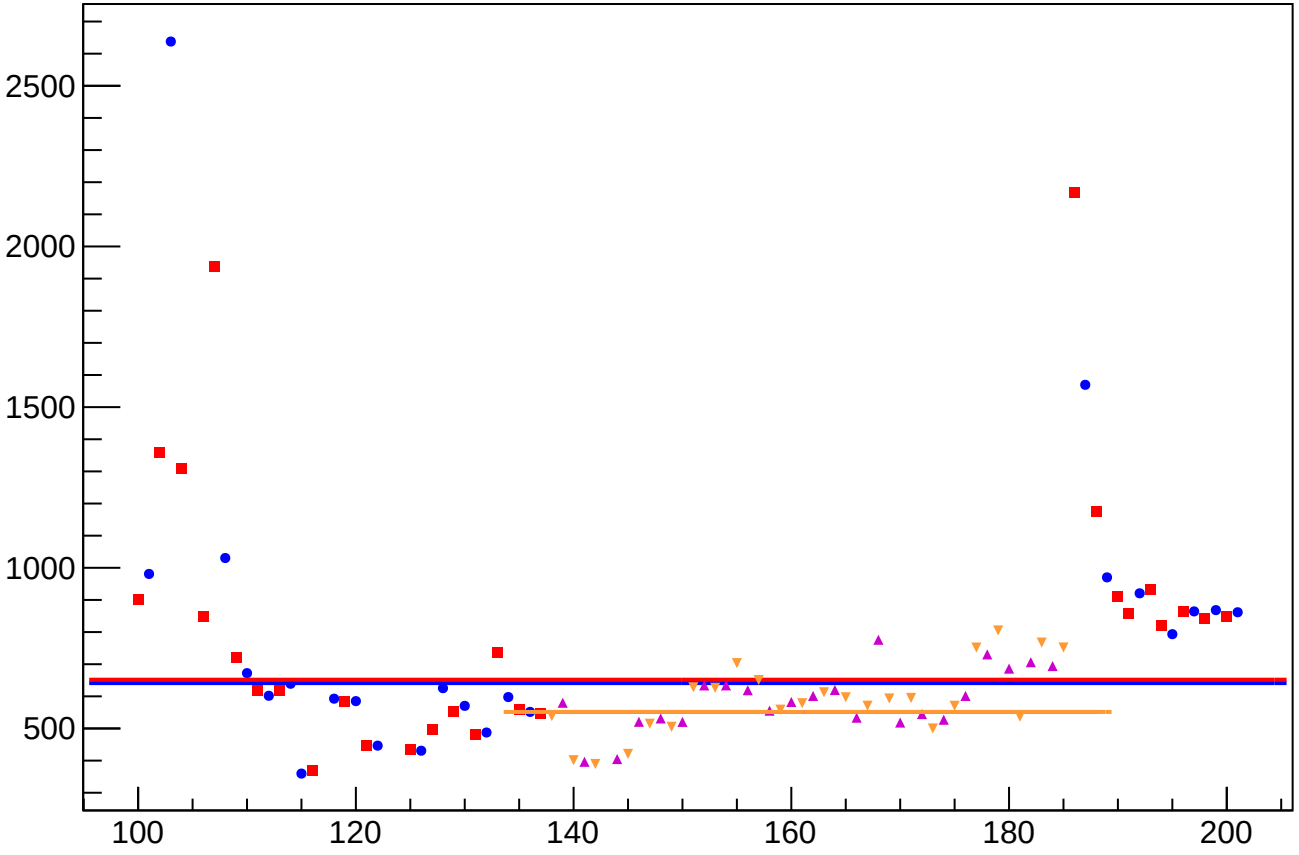
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

\+ sign -487.022+/-108.310 χ^2/NDF: 95.1/46

All: -329.780+/-76.506 χ^2/NDF: 145.9/96

\- sign -173.192+/-108.084 χ^2/NDF: 46.6/49

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: 651.803+/-0.135 χ^2/NDF: 3009354.3/26

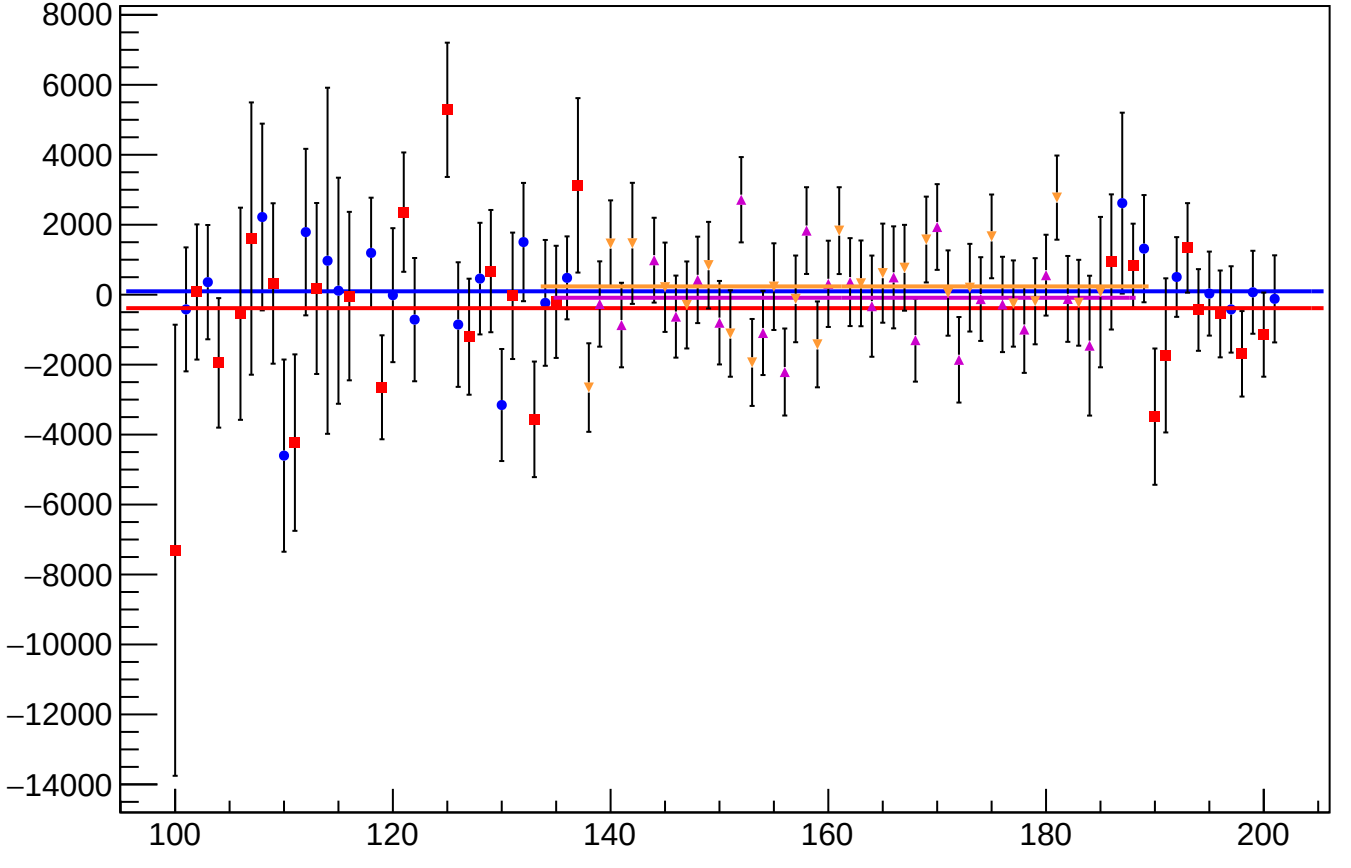
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 579.504+/-0.077 χ^2/NDF: 3869437.6/46

All: 581.444+/-0.054 χ^2/NDF: 8317175.3/96

- sign 583.376+/-0.076 χ^2/NDF: 4446457.3/49

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: -385.268+/-329.455 χ^2/NDF: 32.4/26

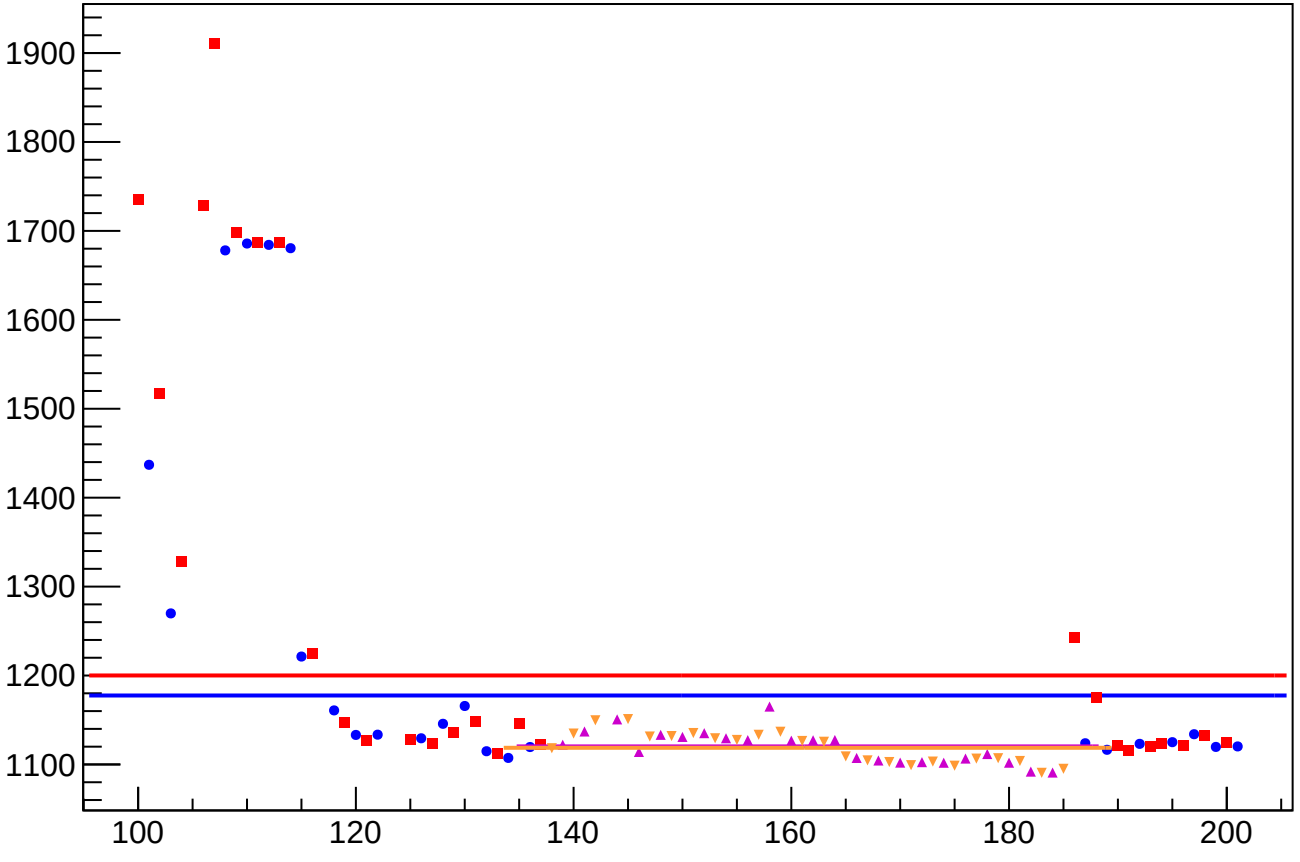
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 184.552+/-205.745 χ^2/NDF: 34.9/46

All: -10.139+/-145.174 χ^2/NDF: 90.5/96

- sign -203.179+/-204.871 χ^2/NDF: 53.8/49

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: 1200.071+/-0.233 χ^2/NDF: 526660.7/26

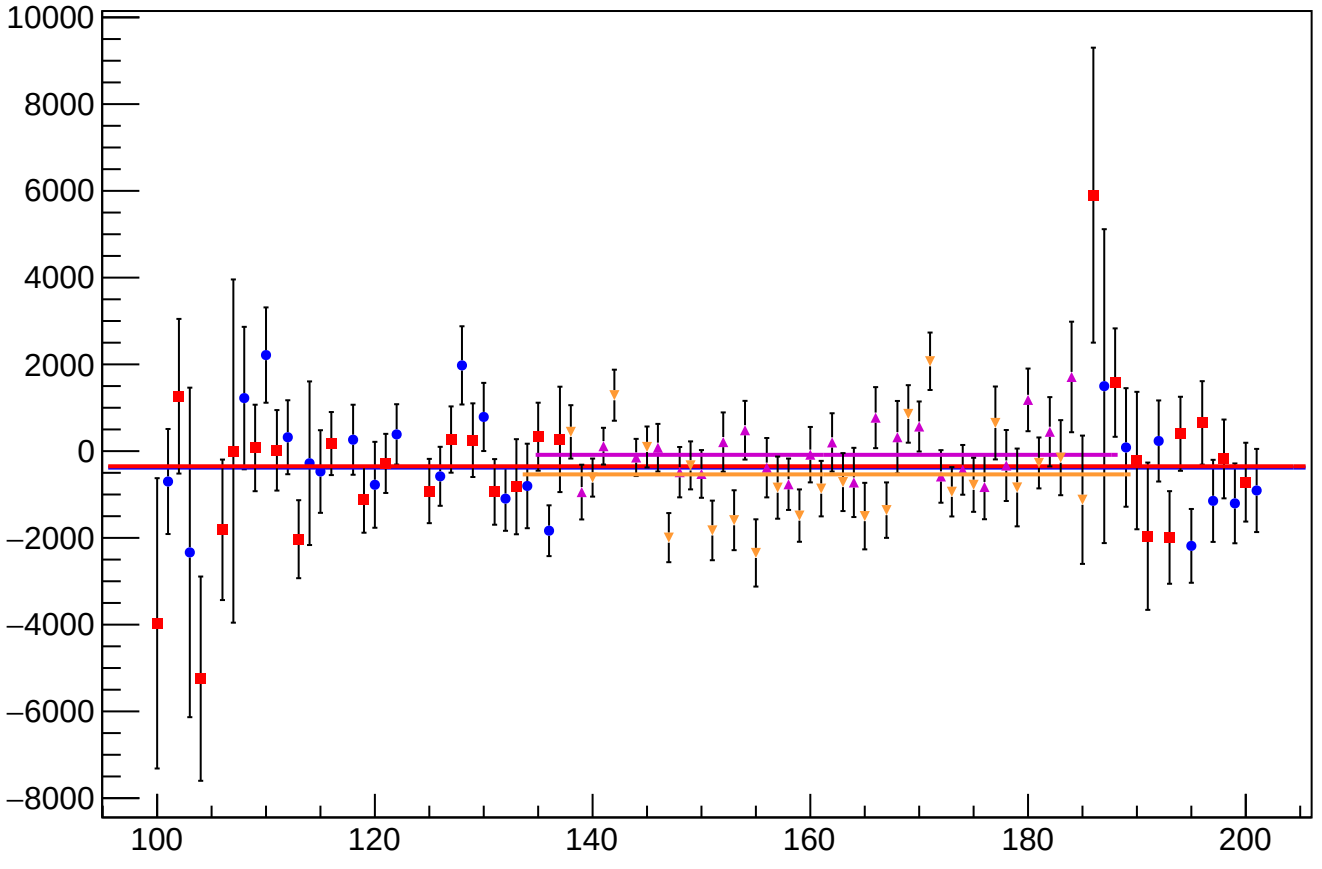
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1140.622+/-0.145 χ^2/NDF: 385445.3/46

All: 1145.910+/-0.103 χ^2/NDF: 996113.6/96

- sign 1151.152+/-0.145 χ^2/NDF: 608037.9/49

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: -349.034+/-191.611 χ^2/NDF: 27.2/26

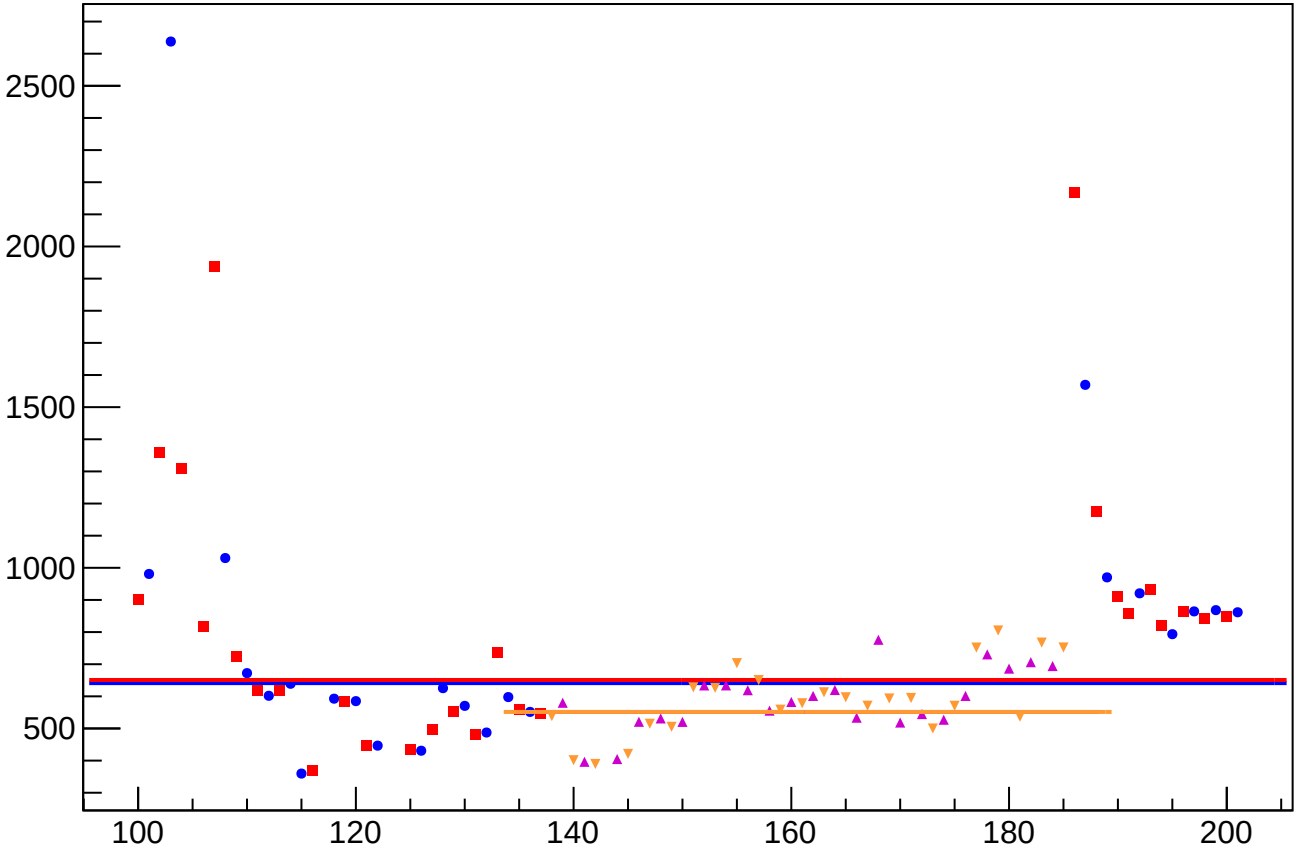
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -487.039+/-108.309 χ^2/NDF: 95.1/46

All: -327.865+/-76.520 χ^2/NDF: 145.0/96

\- sign -169.238+/-108.123 χ^2/NDF: 45.6/49

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: 650.917+/-0.135 χ^2/NDF: 2996304.7/26

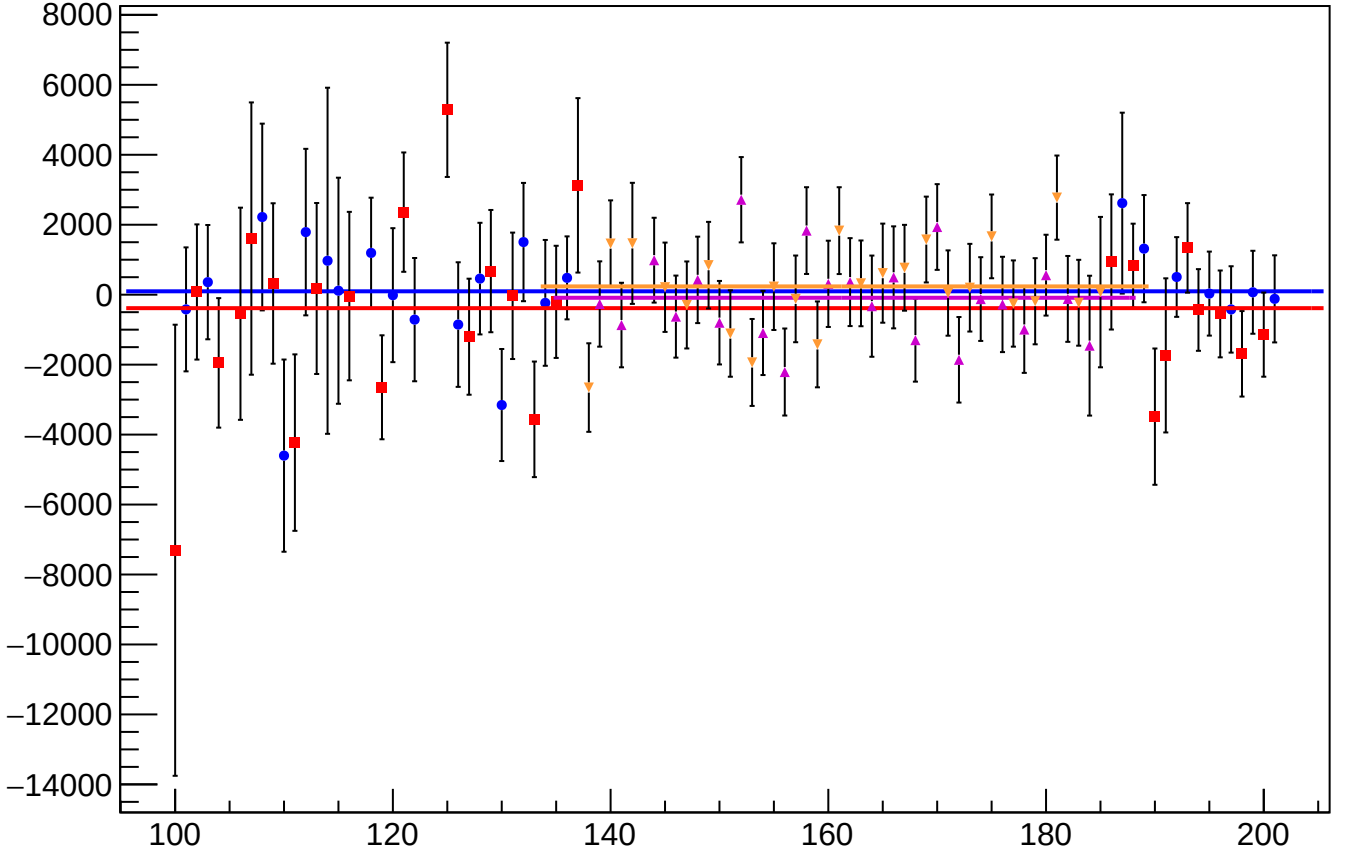
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 579.503+/-0.077 χ^2/NDF: 3869435.7/46

All: 581.276+/-0.054 χ^2/NDF: 8296732.7/96

- sign 583.044+/-0.076 χ^2/NDF: 4426226.2/49

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: -385.268+/-329.455 χ^2/NDF: 32.4/26

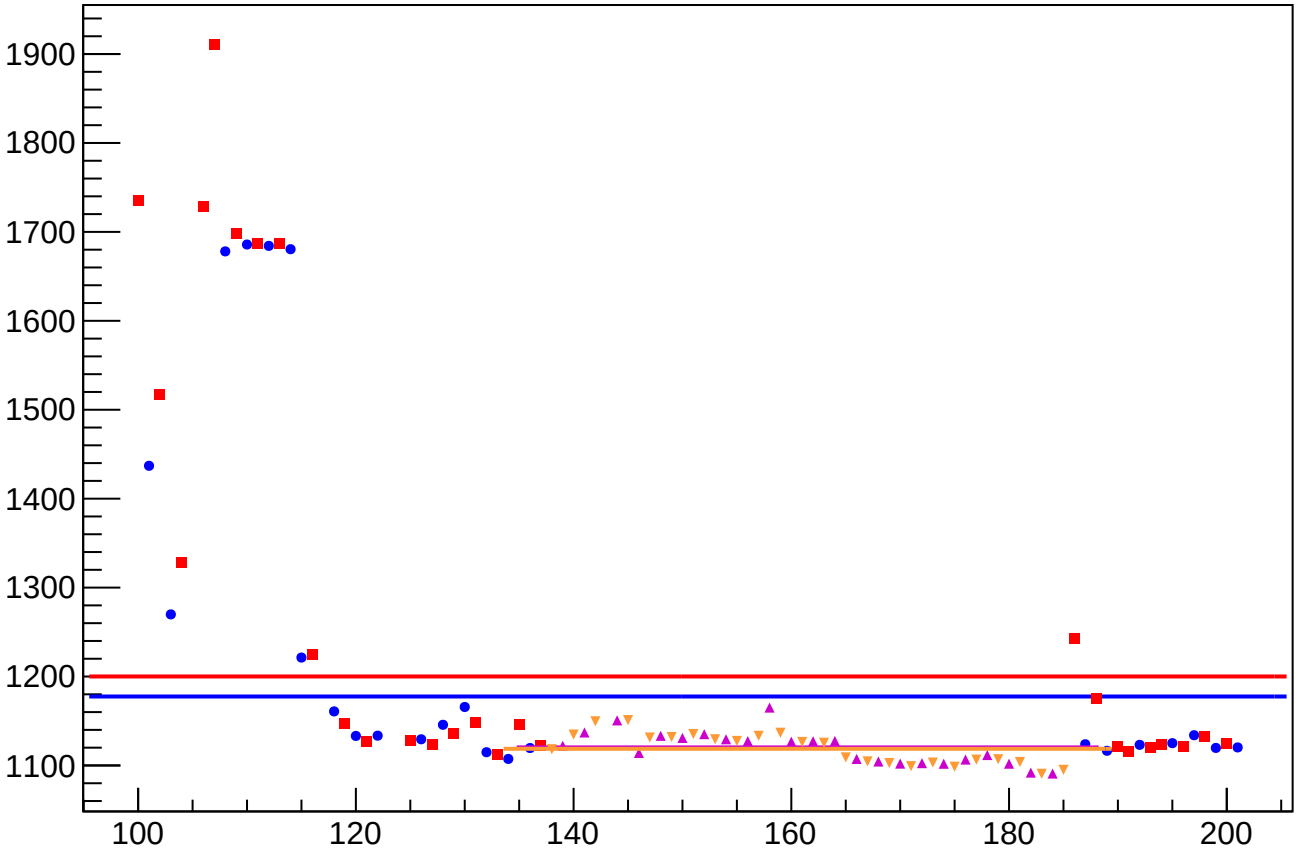
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 184.552+/-205.745 χ^2/NDF: 34.9/46

All: -10.139+/-145.174 χ^2/NDF: 90.5/96

- sign -203.179+/-204.871 χ^2/NDF: 53.8/49

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: 1200.071+/-0.233 χ^2/NDF: 526660.7/26

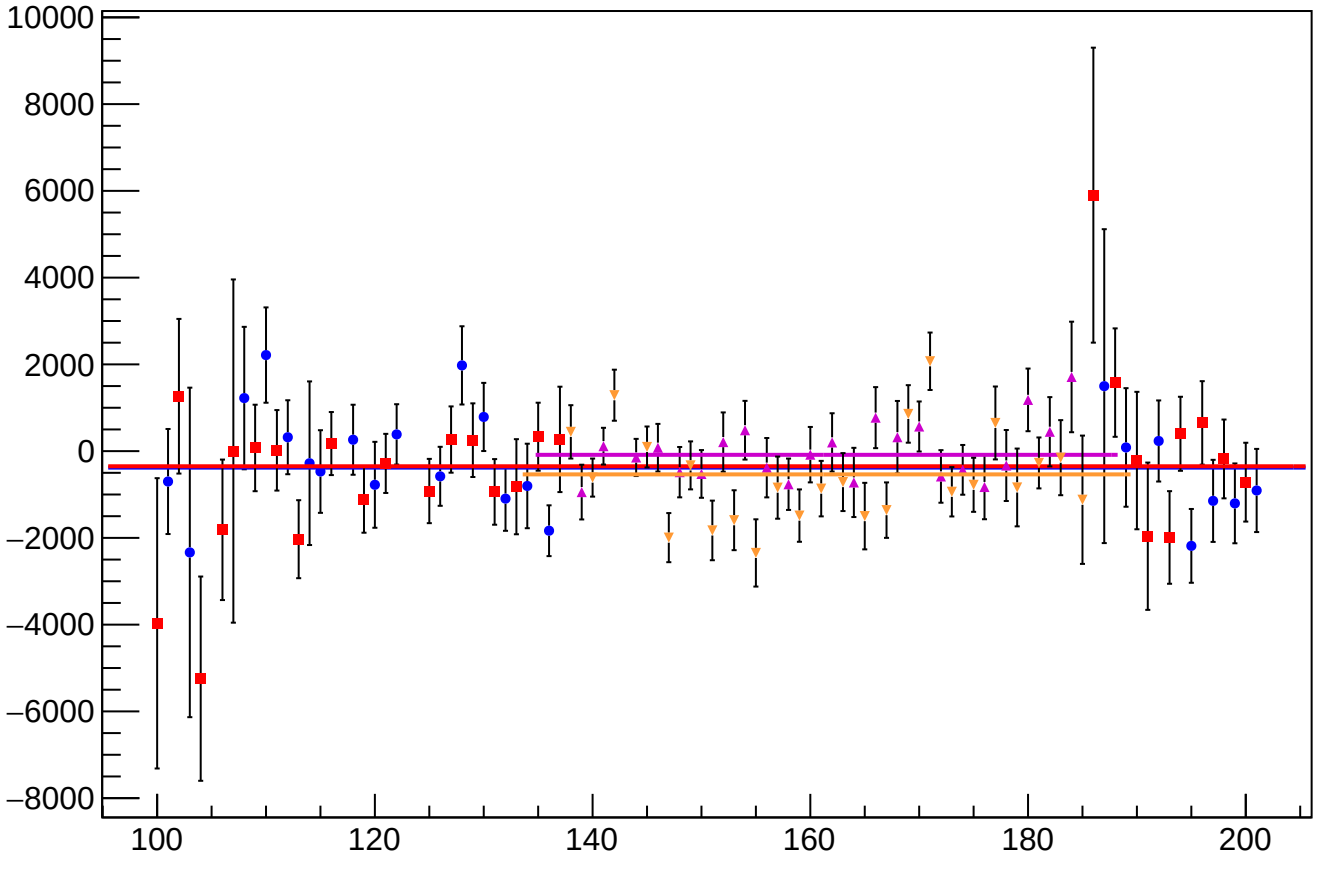
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1140.622+/-0.145 χ^2/NDF: 385445.3/46

All: 1145.910+/-0.103 χ^2/NDF: 996113.6/96

- sign 1151.152+/-0.145 χ^2/NDF: 608037.9/49

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: -349.034+/-191.611 χ^2/NDF: 27.2/26

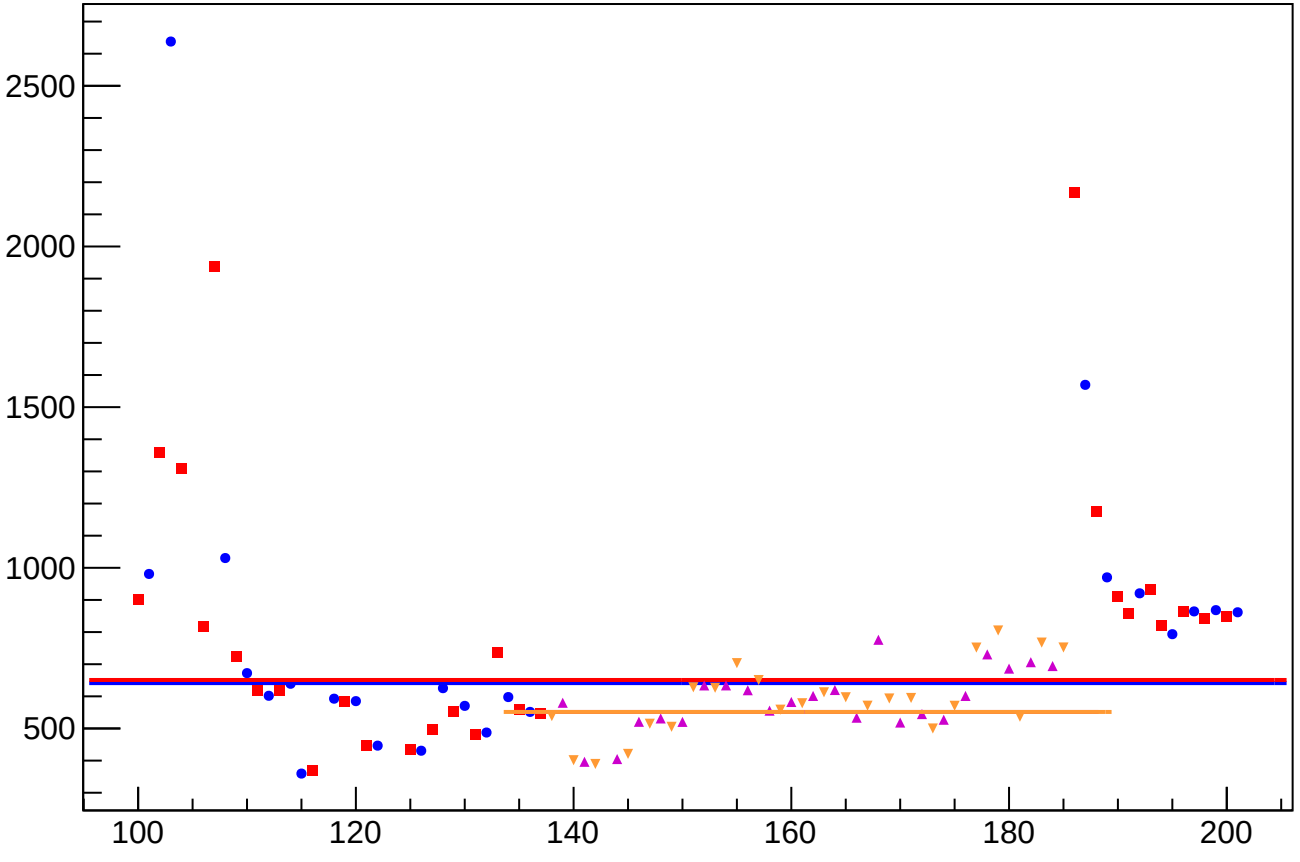
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -487.039+/-108.309 χ^2/NDF: 95.1/46

All: -327.865+/-76.520 χ^2/NDF: 145.0/96

\- sign -169.238+/-108.123 χ^2/NDF: 45.6/49

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: 650.917+/-0.135 χ^2/NDF: 2996304.7/26

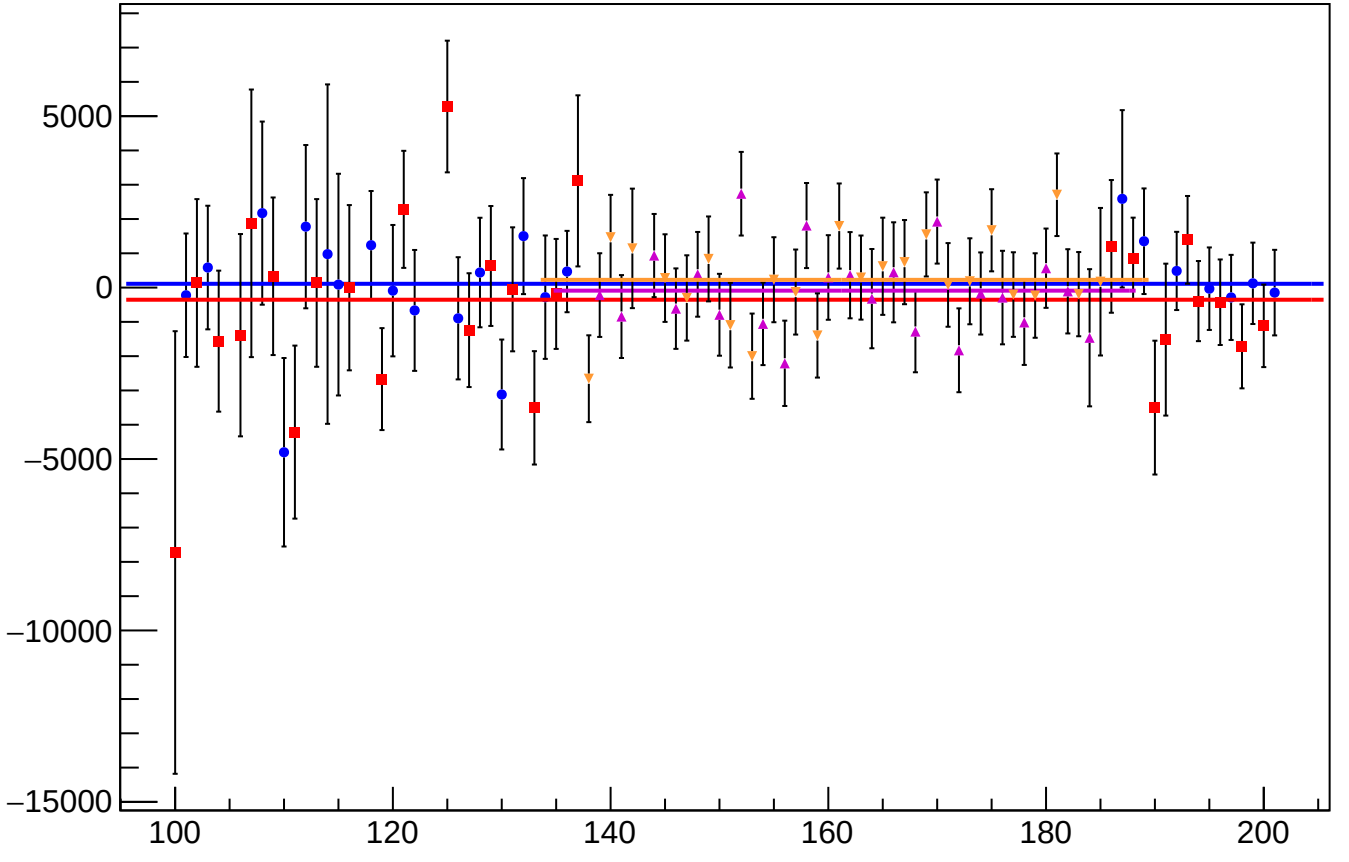
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 579.503+/-0.077 χ^2/NDF: 3869435.7/46

All: 581.276+/-0.054 χ^2/NDF: 8296732.7/96

- sign 583.044+/-0.076 χ^2/NDF: 4426226.2/49

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: -354.145+/-332.575 χ^2/NDF: 32.3/26

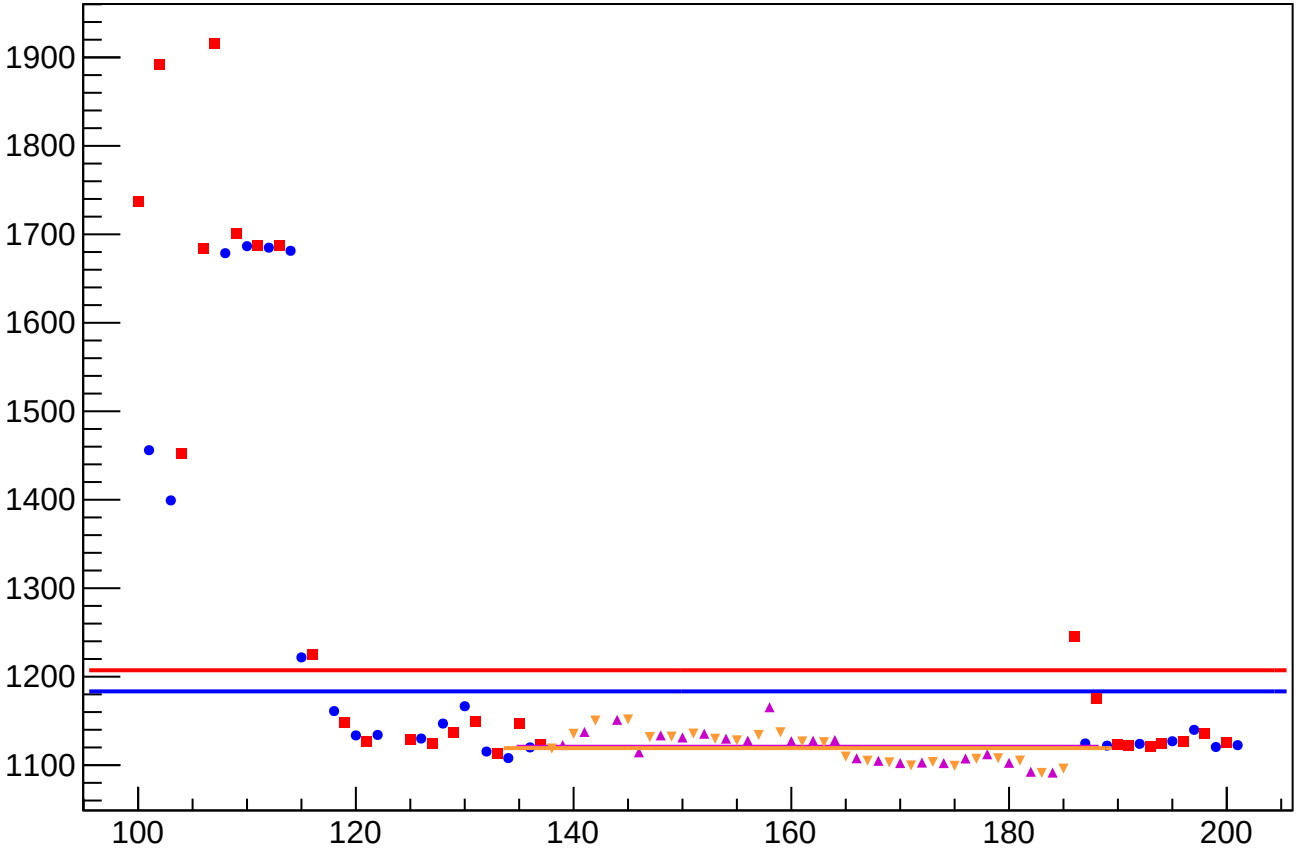
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 183.134+/-206.262 χ^2/NDF: 34.5/46

All: -4.195+/-145.640 χ^2/NDF: 89.3/96

- sign -190.450+/-205.670 χ^2/NDF: 53.2/49

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: 1207.245+/-0.235 χ^2/NDF: 644237.3/26

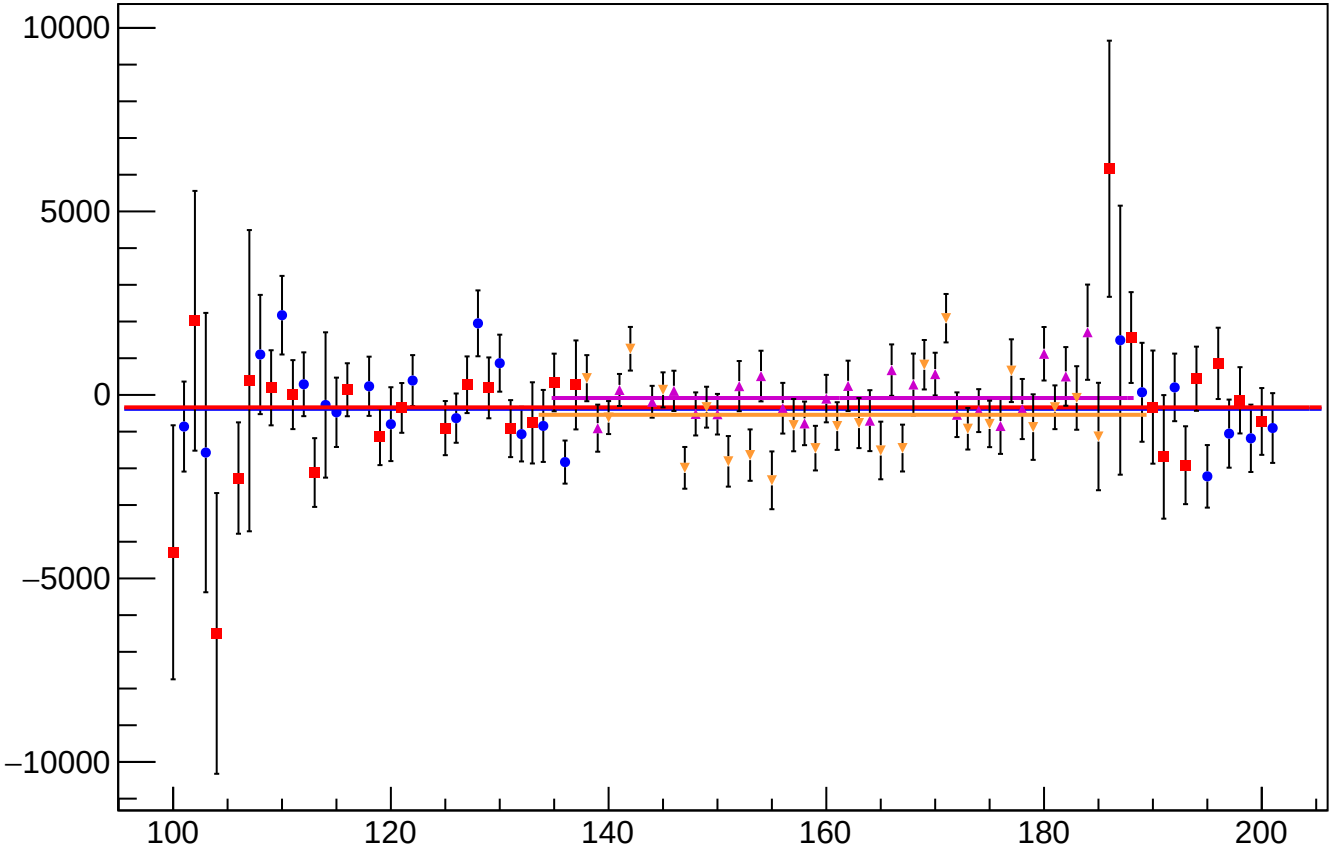
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1142.972+/-0.146 χ^2/NDF: 418395.7/46

All: 1148.432+/-0.103 χ^2/NDF: 1158301.1/96

- sign 1153.860+/-0.145 χ^2/NDF: 737110.7/49

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: -338.743+/-193.626 χ^2/NDF: 26.1/26

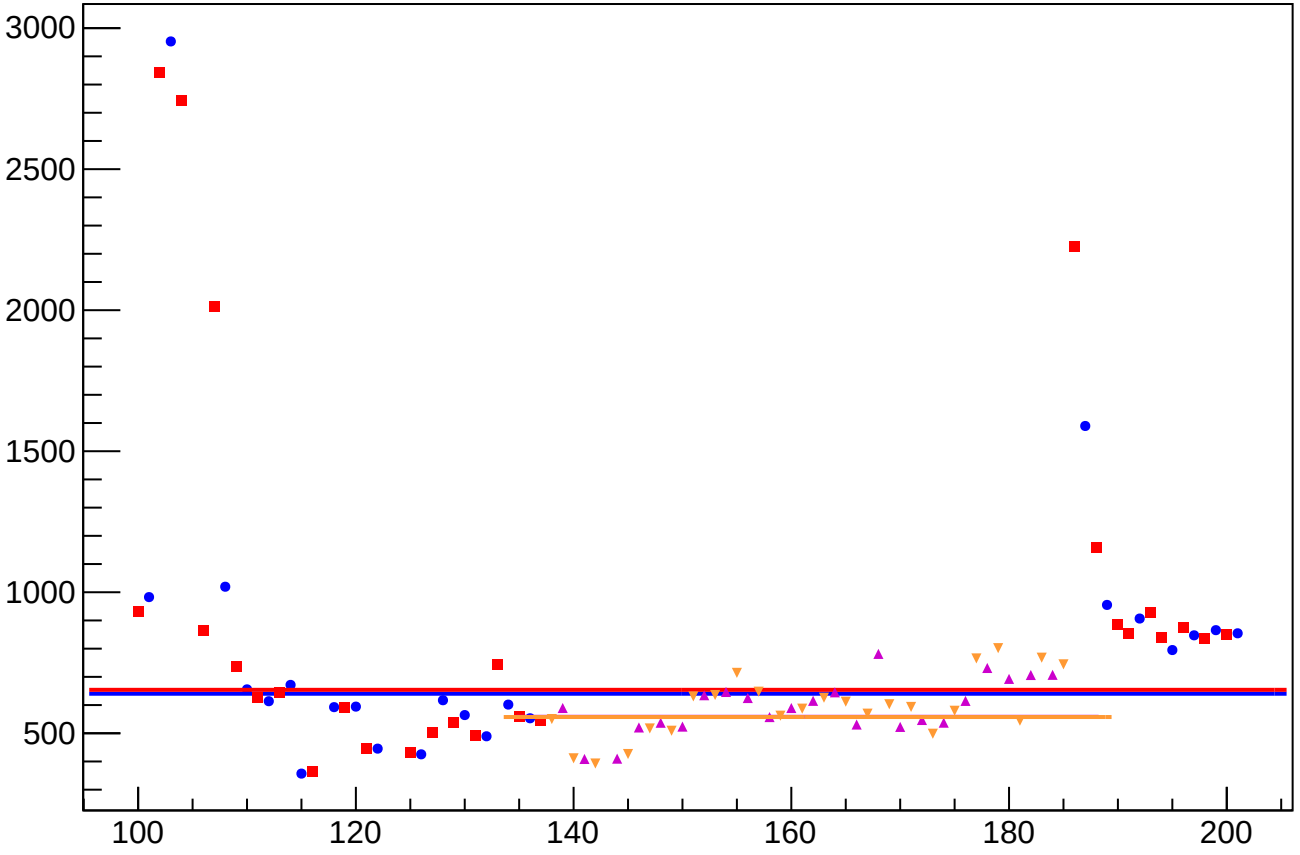
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

\+ sign -489.789+/-108.997 χ^2/NDF: 94.4/46

All: -328.140+/-77.206 χ^2/NDF: 142.4/96

\- sign -165.368+/-109.375 χ^2/NDF: 43.6/49

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: 654.035+/-0.137 χ^2/NDF: 3920711.7/26

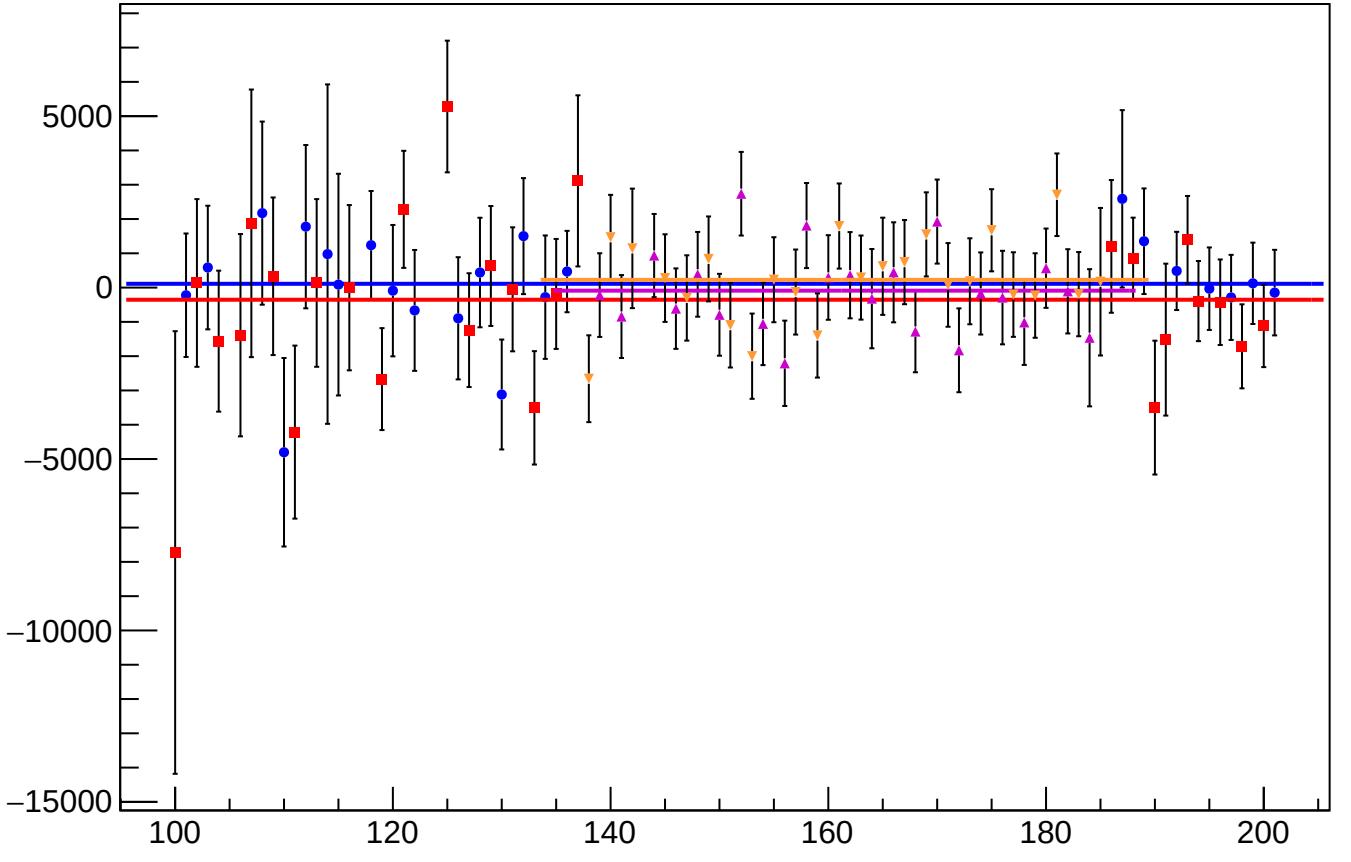
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 583.876+/-0.077 χ^2/NDF: 3950489.1/46

All: 586.385+/-0.055 χ^2/NDF: 9233409.3/96

- sign 588.911+/-0.077 χ^2/NDF: 5280793.3/49

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: -354.145+/-332.575 χ^2/NDF: 32.3/26

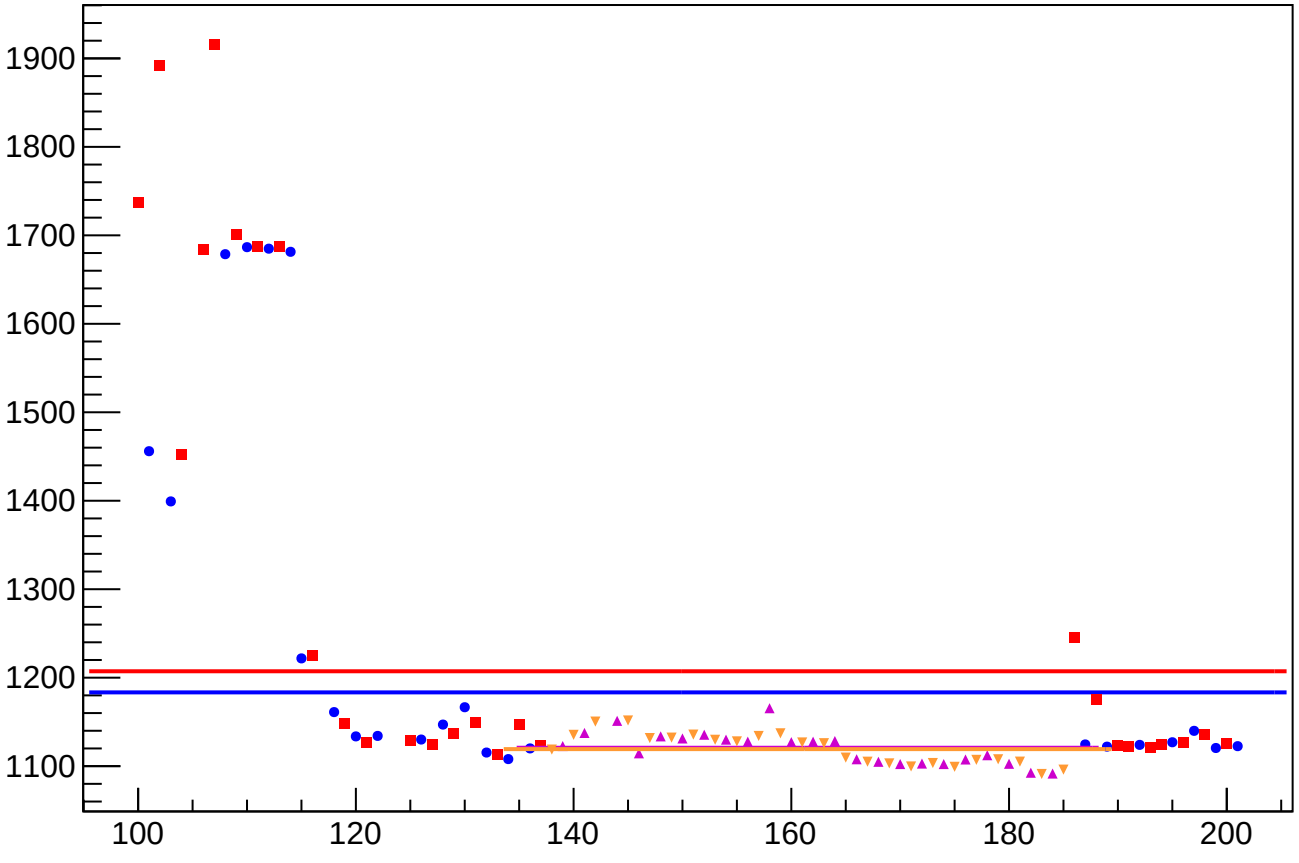
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 183.133+/-206.262 χ^2/NDF: 34.5/46

All: -4.195+/-145.640 χ^2/NDF: 89.3/96

- sign -190.451+/-205.670 χ^2/NDF: 53.2/49

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

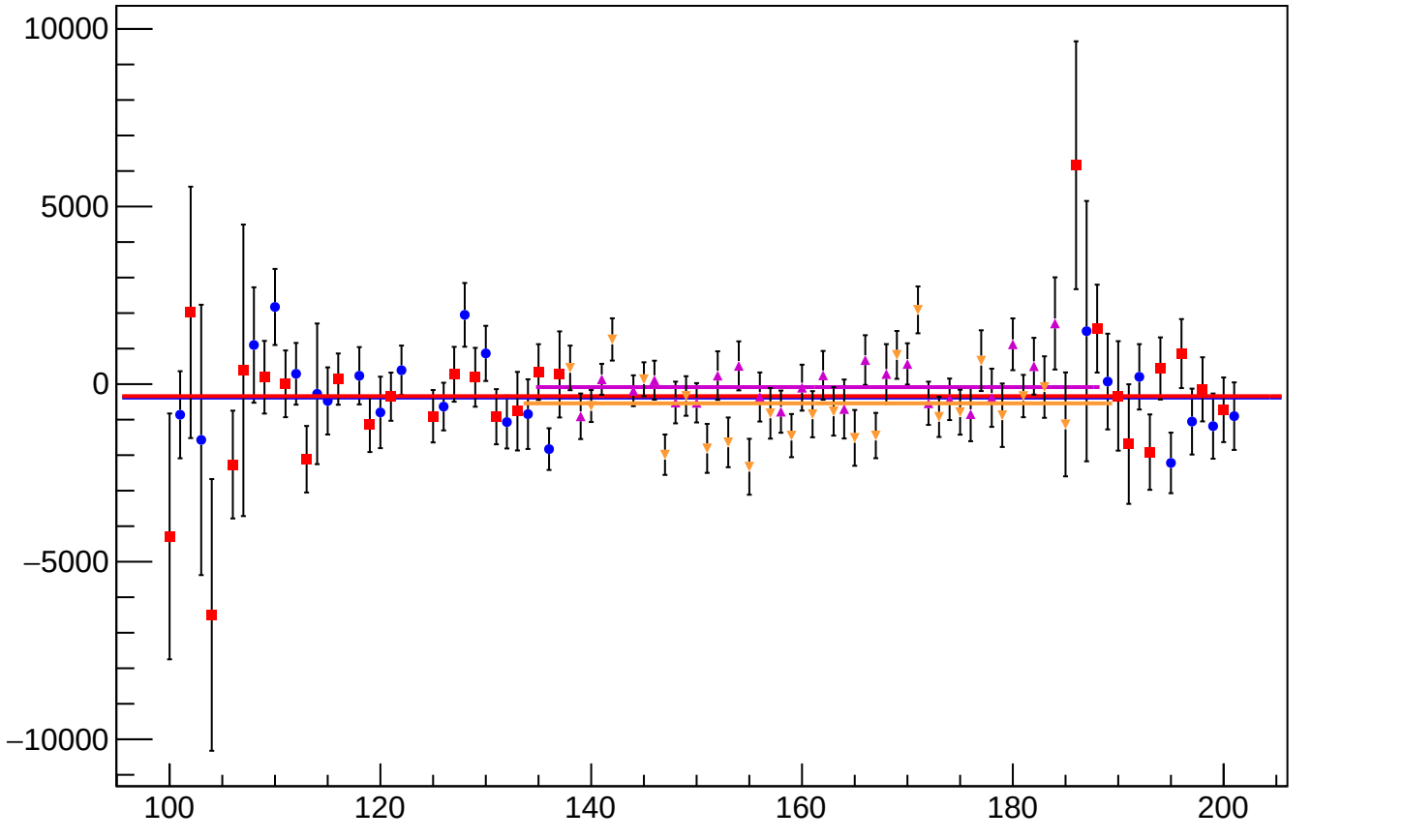
Right Out: 1207.245+/-0.235 χ^2/NDF: 644236.7/26

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1142.972+/-0.146 χ^2/NDF: 418395.2/46

All: 1148.432+/-0.103 χ^2/NDF: 1158299.9/96

- sign 1153.860+/-0.145 χ^2/NDF: 737110.0/49



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: -338.744+/-193.626 χ^2/NDF: 26.1/26

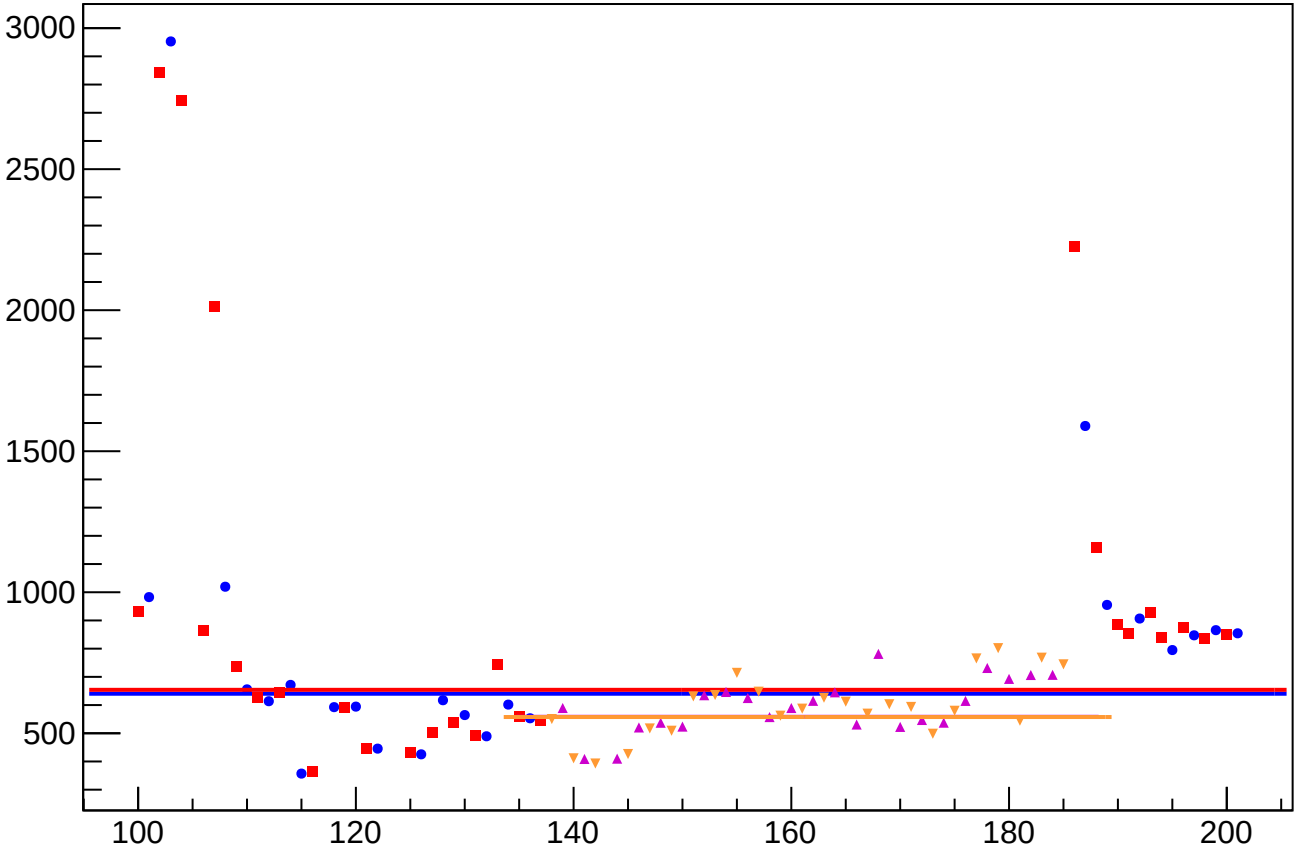
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -489.789+/-108.997 χ^2/NDF: 94.4/46

All: -328.140+/-77.206 χ^2/NDF: 142.4/96

- sign -165.368+/-109.375 χ^2/NDF: 43.6/49

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: 654.034+/-0.137 χ^2/NDF: 3920711.8/26

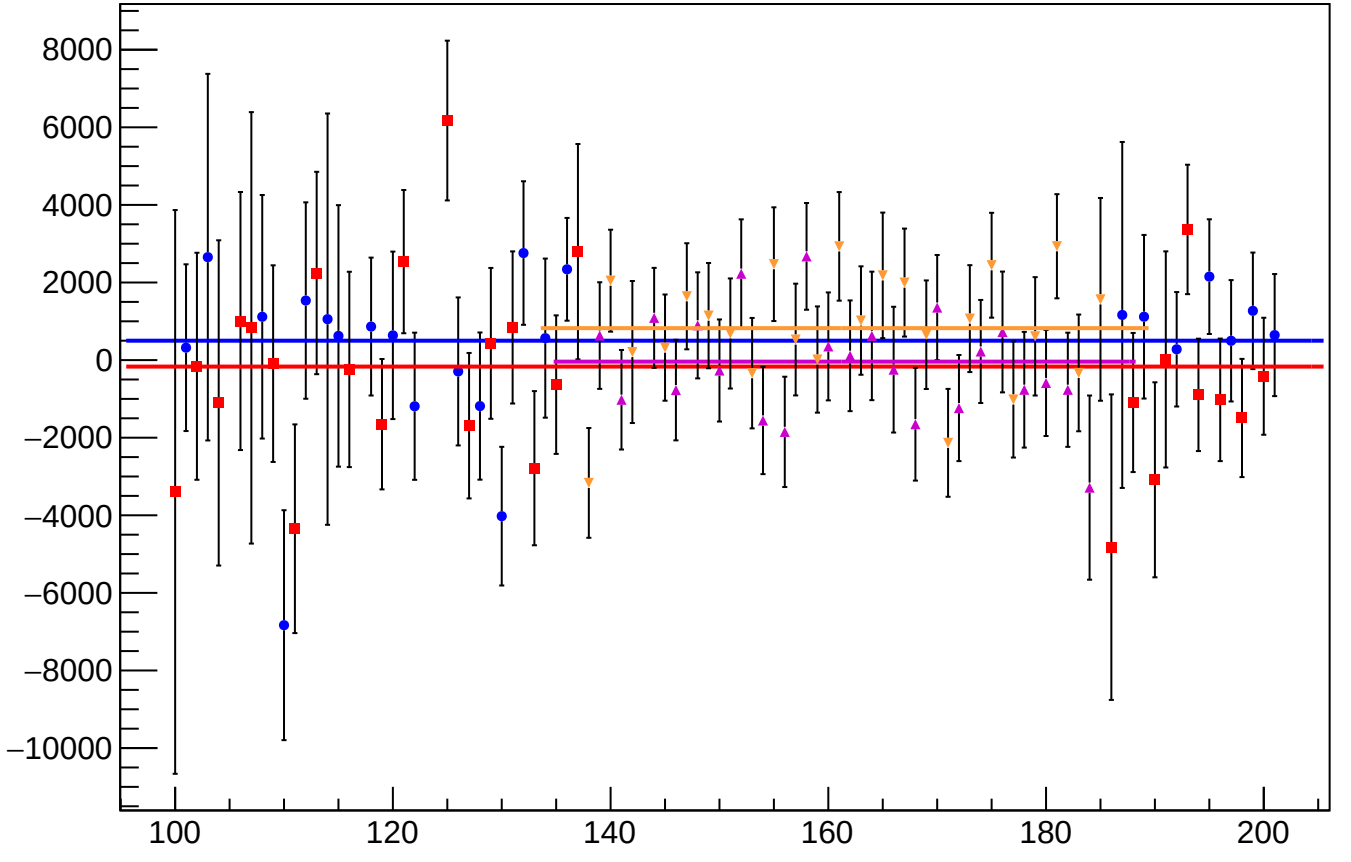
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 583.875+/-0.077 χ^2/NDF: 3950509.0/46

All: 586.384+/-0.055 χ^2/NDF: 9233447.2/96

- sign 588.911+/-0.077 χ^2/NDF: 5280811.2/49

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: -167.120+/-405.723 χ^2/NDF: 28.9/26

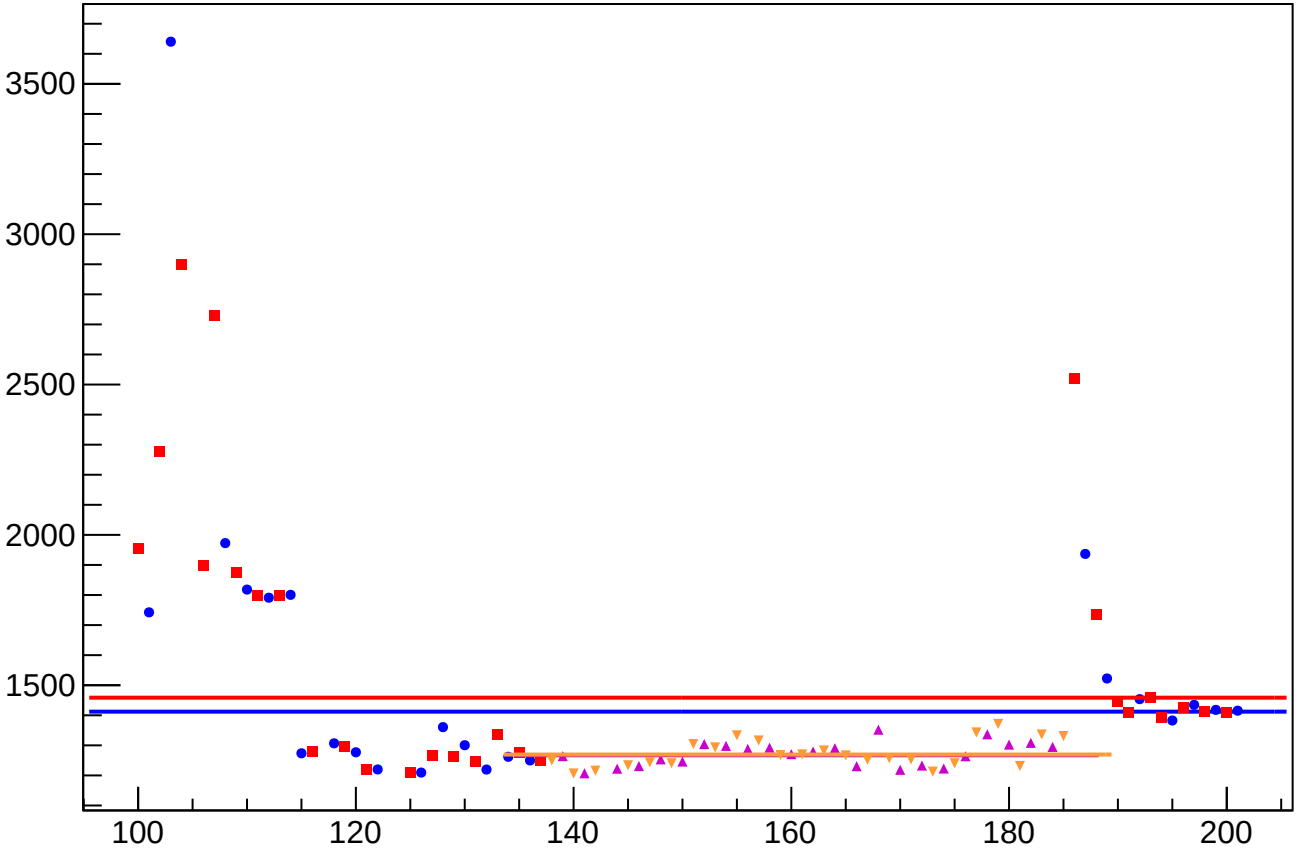
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 712.783+/-239.153 χ^2/NDF: 46.4/46

All: 314.370+/-169.098 χ^2/NDF: 98.8/96

- sign -83.960+/-239.128 χ^2/NDF: 46.8/49

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

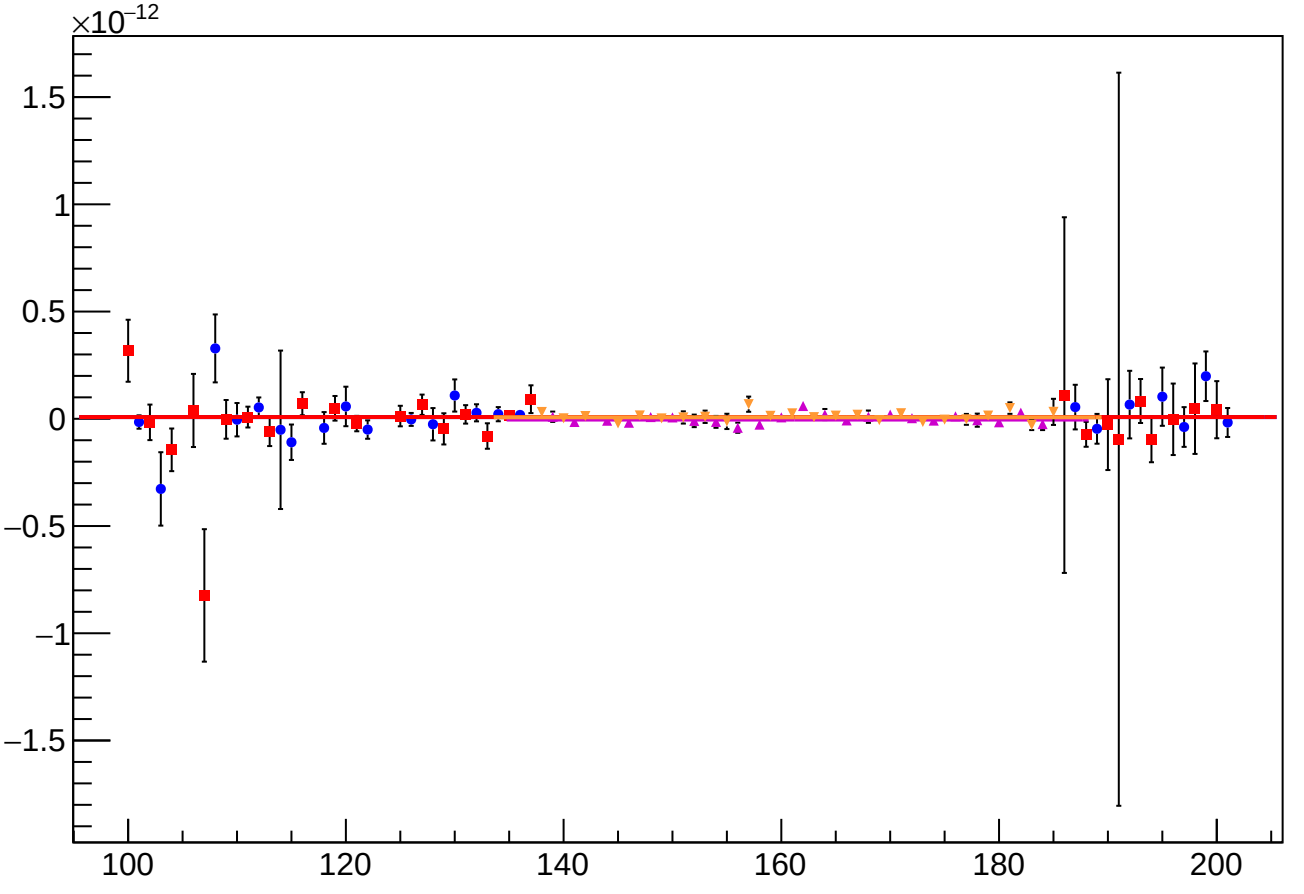
Right Out: 1458.547+/-0.287 χ^2/NDF: 1060264.6/26

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1318.238+/-0.169 χ^2/NDF: 1021217.0/46

All: 1325.911+/-0.120 χ^2/NDF: 2410870.7/96

- sign 1333.582+/-0.169 χ^2/NDF: 1385536.9/49



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: 27.7/26

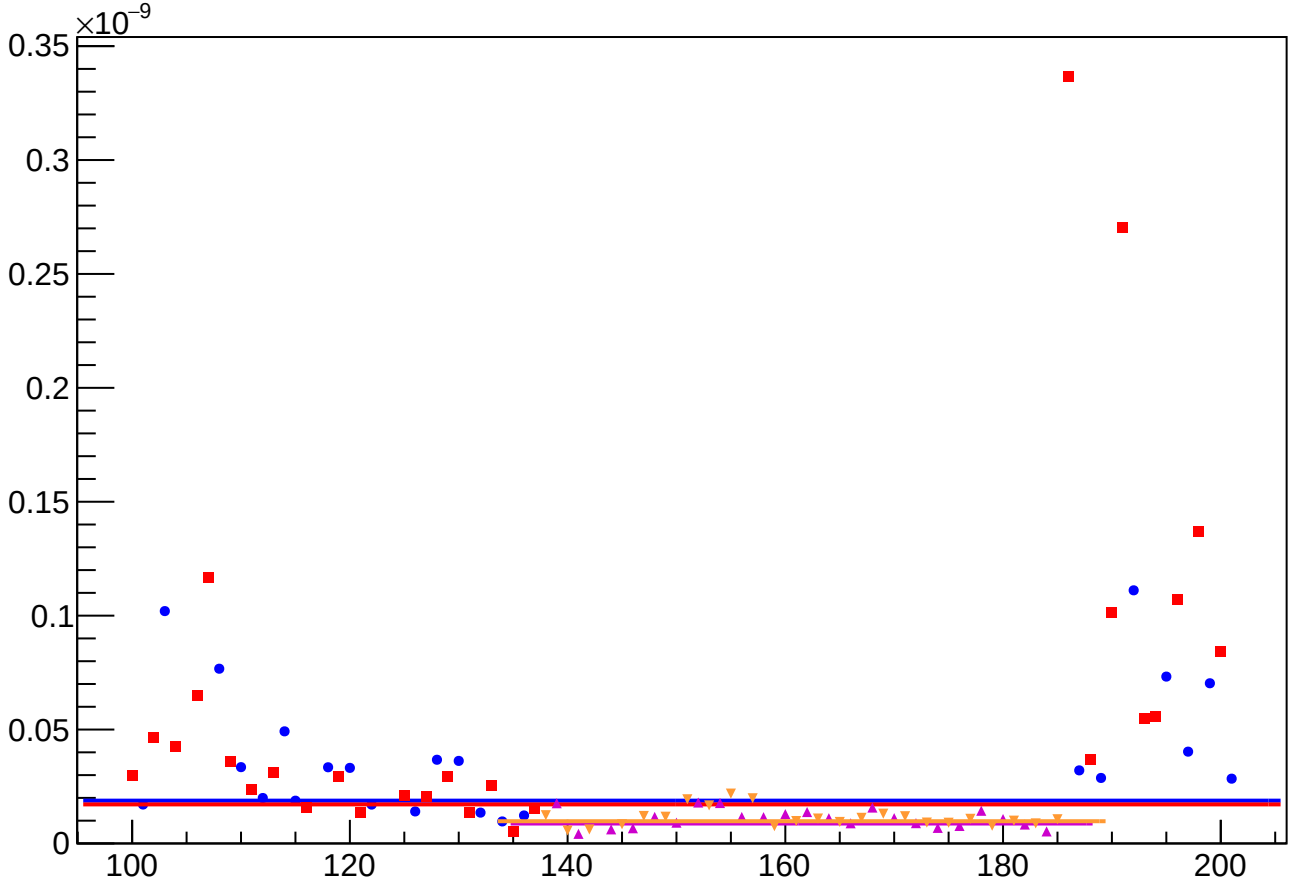
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/46

All: 0.000+/-0.000 χ^2/NDF: 96.4/96

- sign -0.000+/-0.000 χ^2/NDF: 51.8/49

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



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: 5550949.9/26

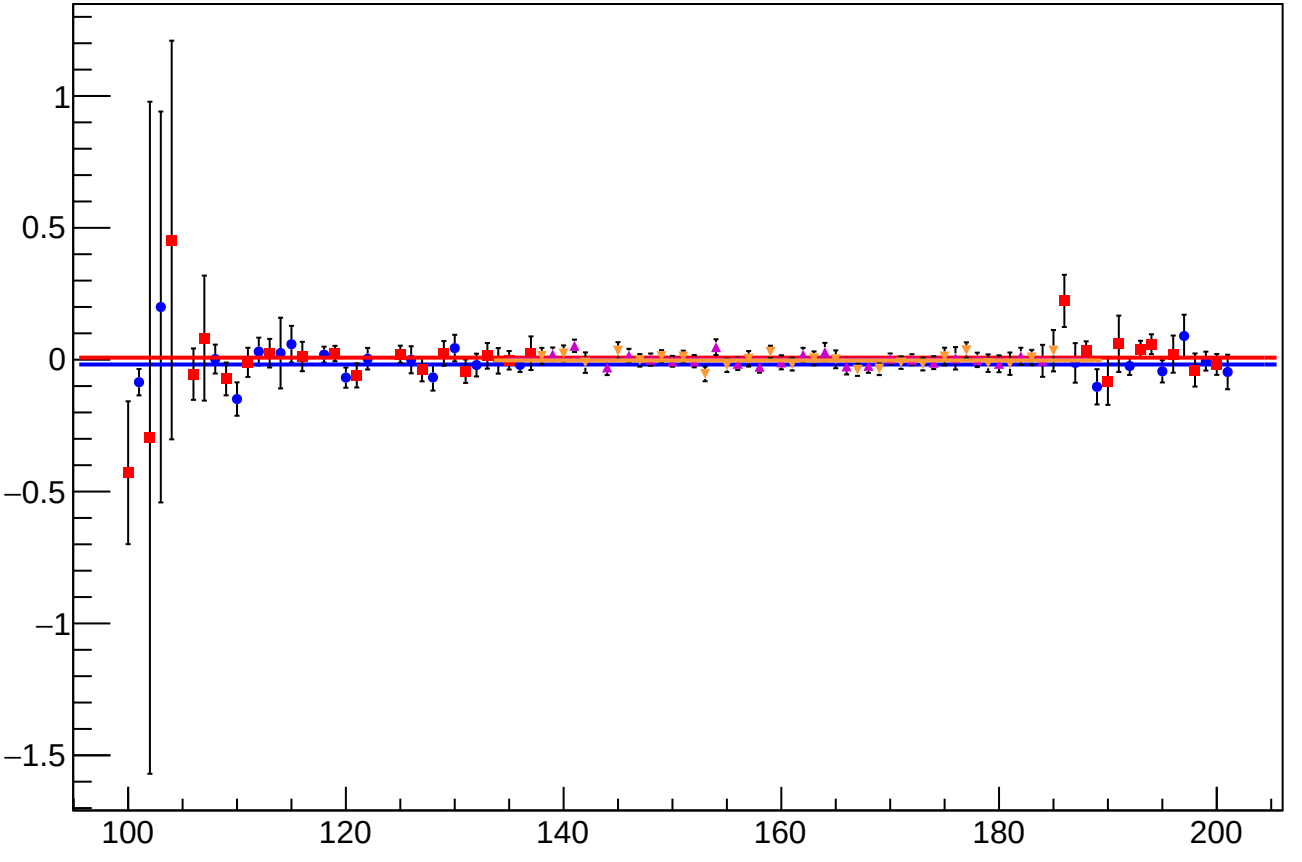
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5975918.7/46

All: 0.000+/-0.000 χ^2/NDF: 14749882.5/96

- sign 0.000+/-0.000 χ^2/NDF: 8665080.4/49

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: 21.0/26

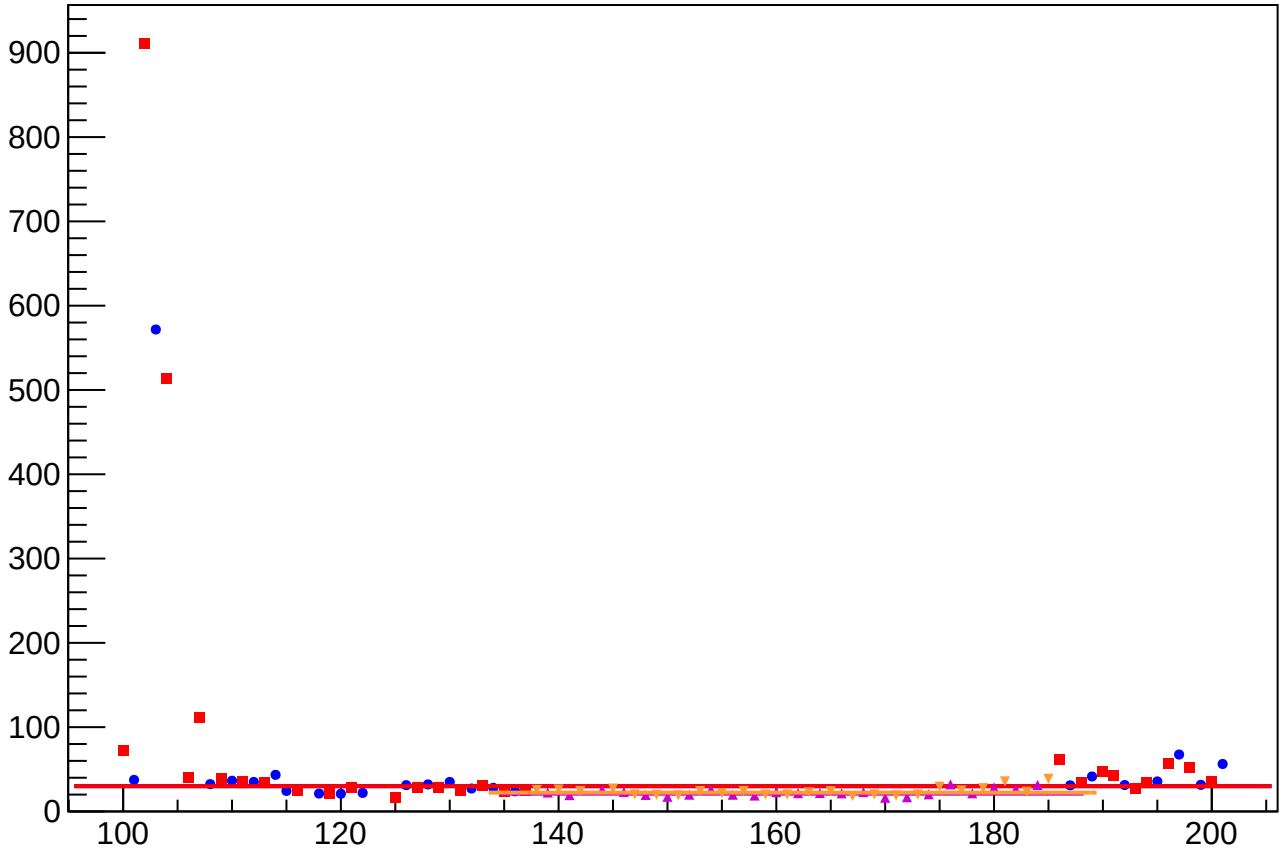
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 37.0/46

All: -0.002+/-0.003 χ^2/NDF: 75.0/96

- sign 0.002+/-0.005 χ^2/NDF: 36.3/49

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

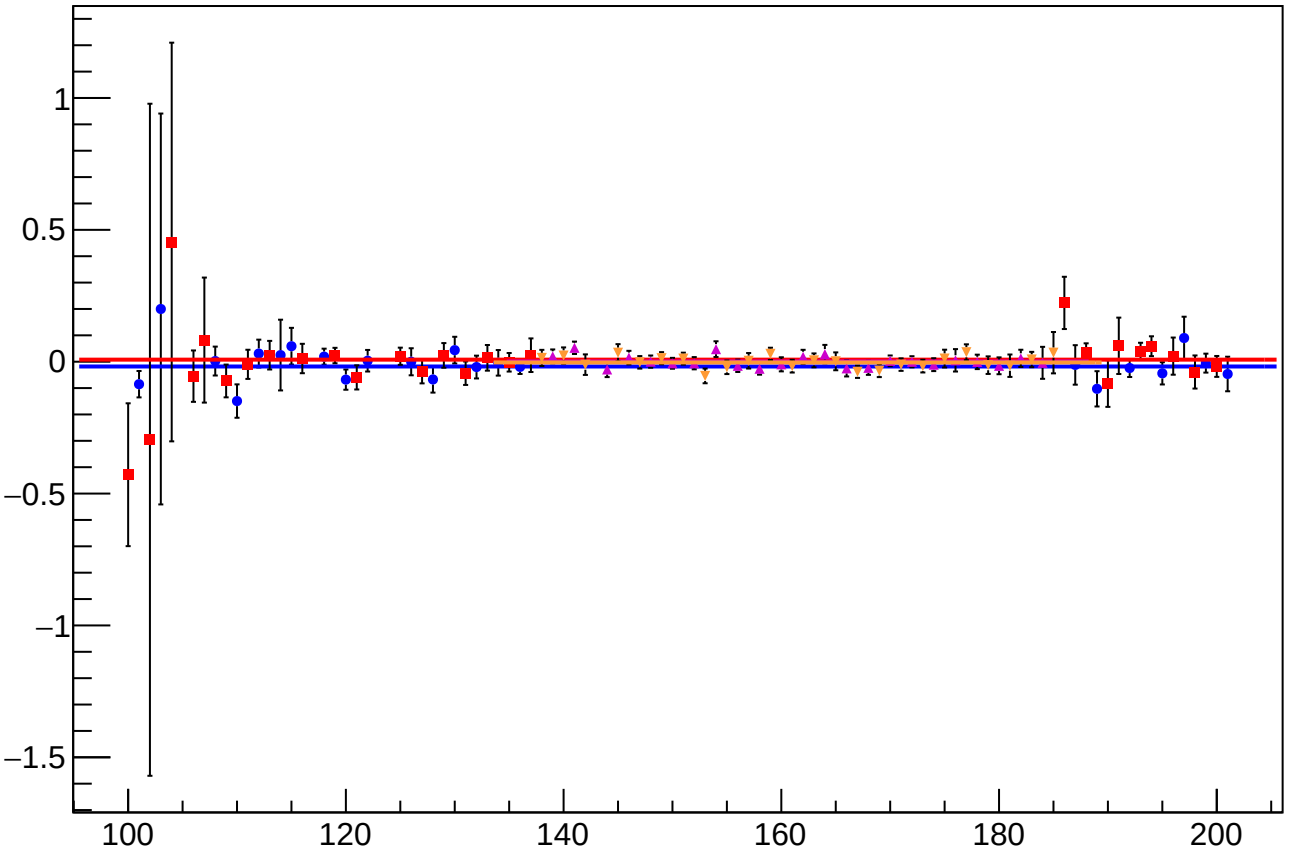
Right Out: 29.962+/-0.007 χ^2/NDF: 3763202.8/26

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.286+/-0.003 χ^2/NDF: 4262070.8/46

All: 23.752+/-0.002 χ^2/NDF: 10167496.8/96

- sign 23.252+/-0.003 χ^2/NDF: 5859684.6/49



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: 21.0/26

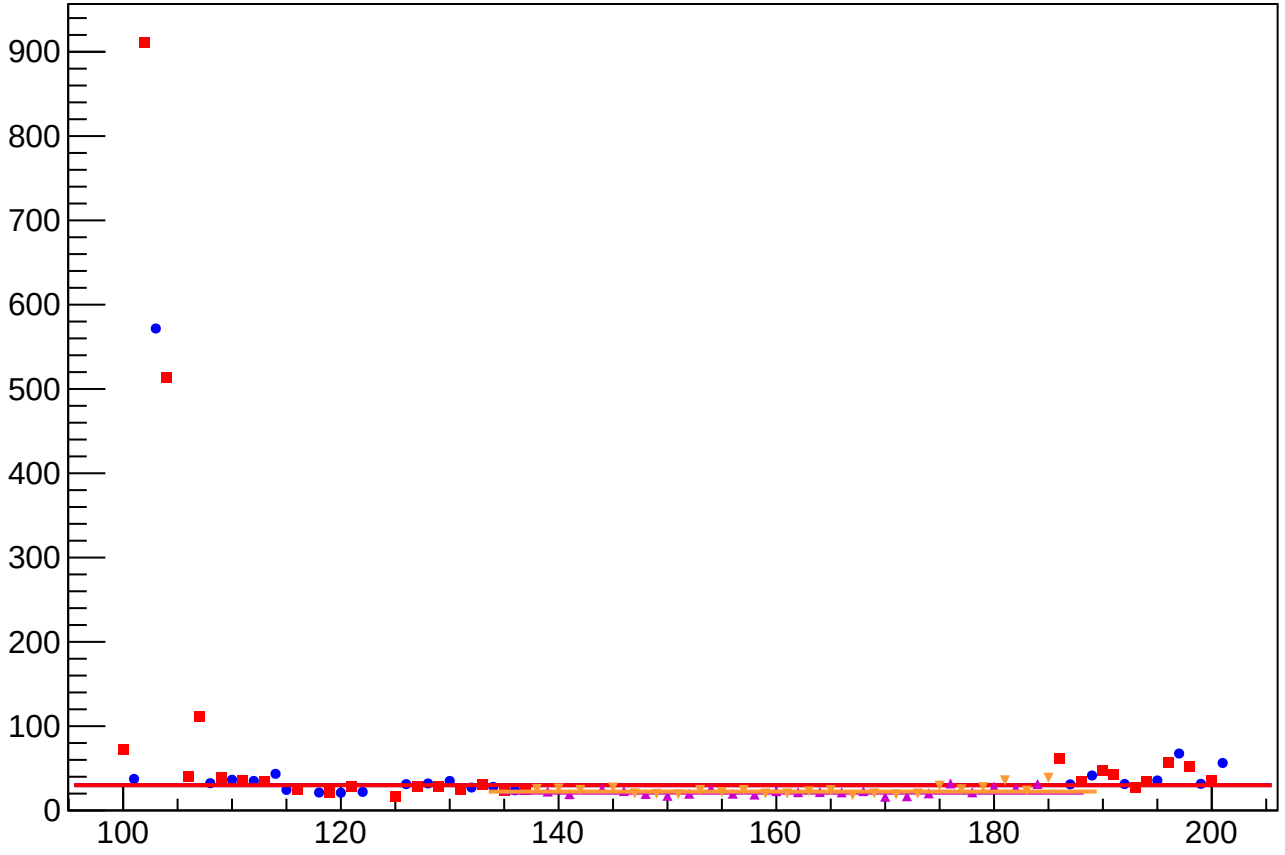
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 37.0/46

All: -0.002+/-0.003 χ^2/NDF: 75.0/96

- sign 0.002+/-0.005 χ^2/NDF: 36.3/49

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: 29.962+/-0.007 χ^2/NDF: 3763202.8/26

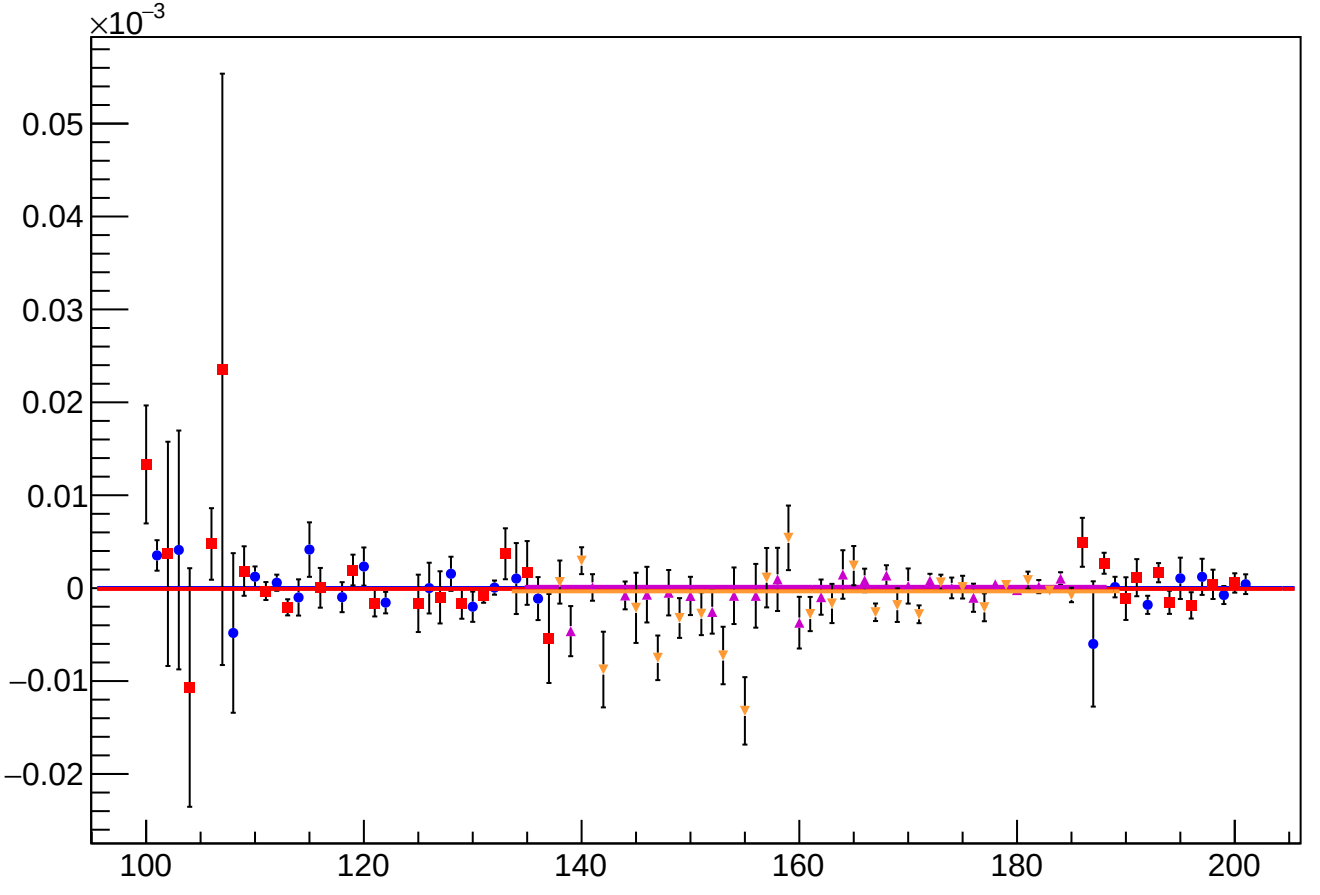
Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.286+/-0.003 χ^2/NDF: 4262070.8/46

All: 23.752+/-0.002 χ^2/NDF: 10167496.8/96

- sign 23.252+/-0.003 χ^2/NDF: 5859684.6/49

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug



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: 37.8/26

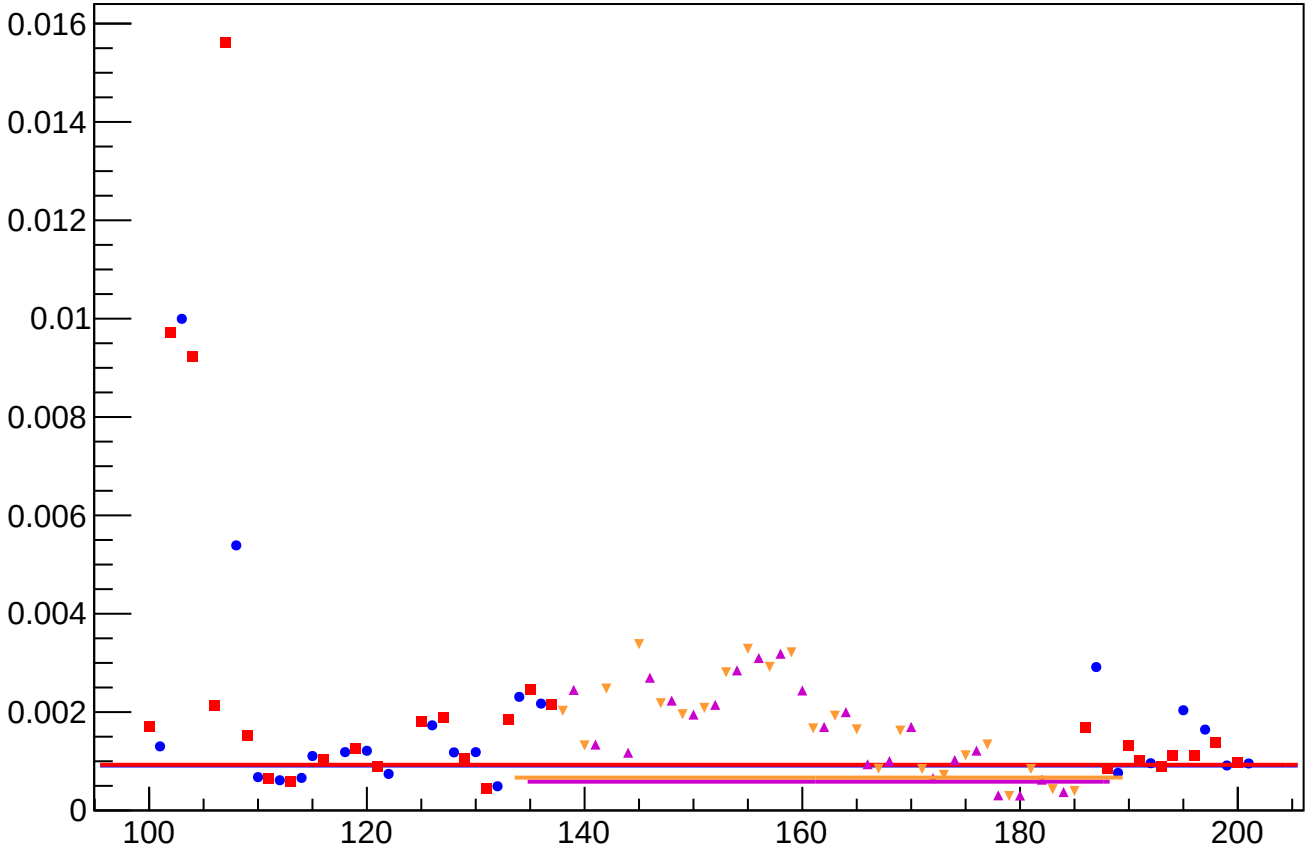
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.6/46

All: -0.000+/-0.000 χ^2/NDF: 143.7/96

- sign 0.000+/-0.000 χ^2/NDF: 52.4/49

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

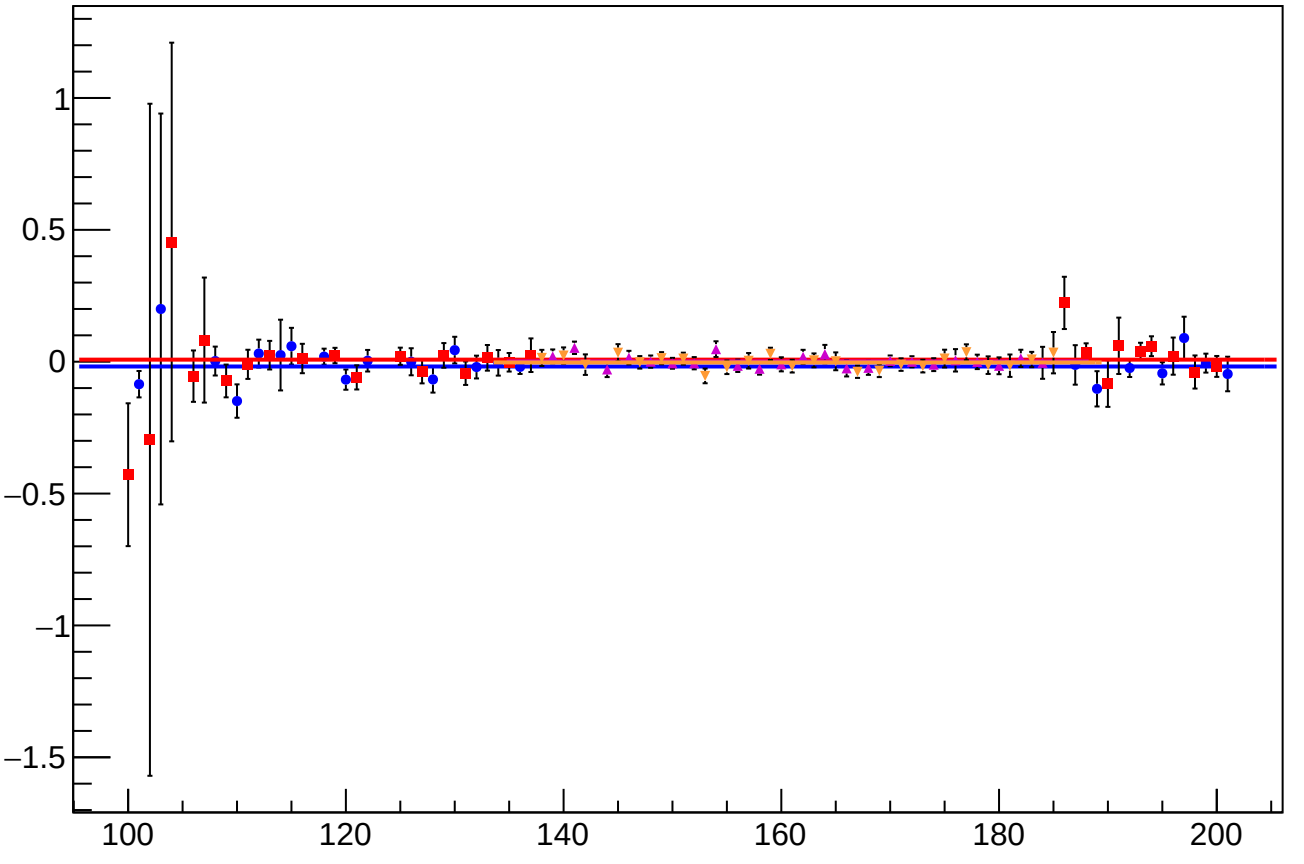
Right Out: 0.001+/-0.000 χ^2/NDF: 5617510.9/26

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: 44541149.8/96

- sign 0.001+/-0.000 χ^2/NDF: 23148554.8/49



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: 20.9/26

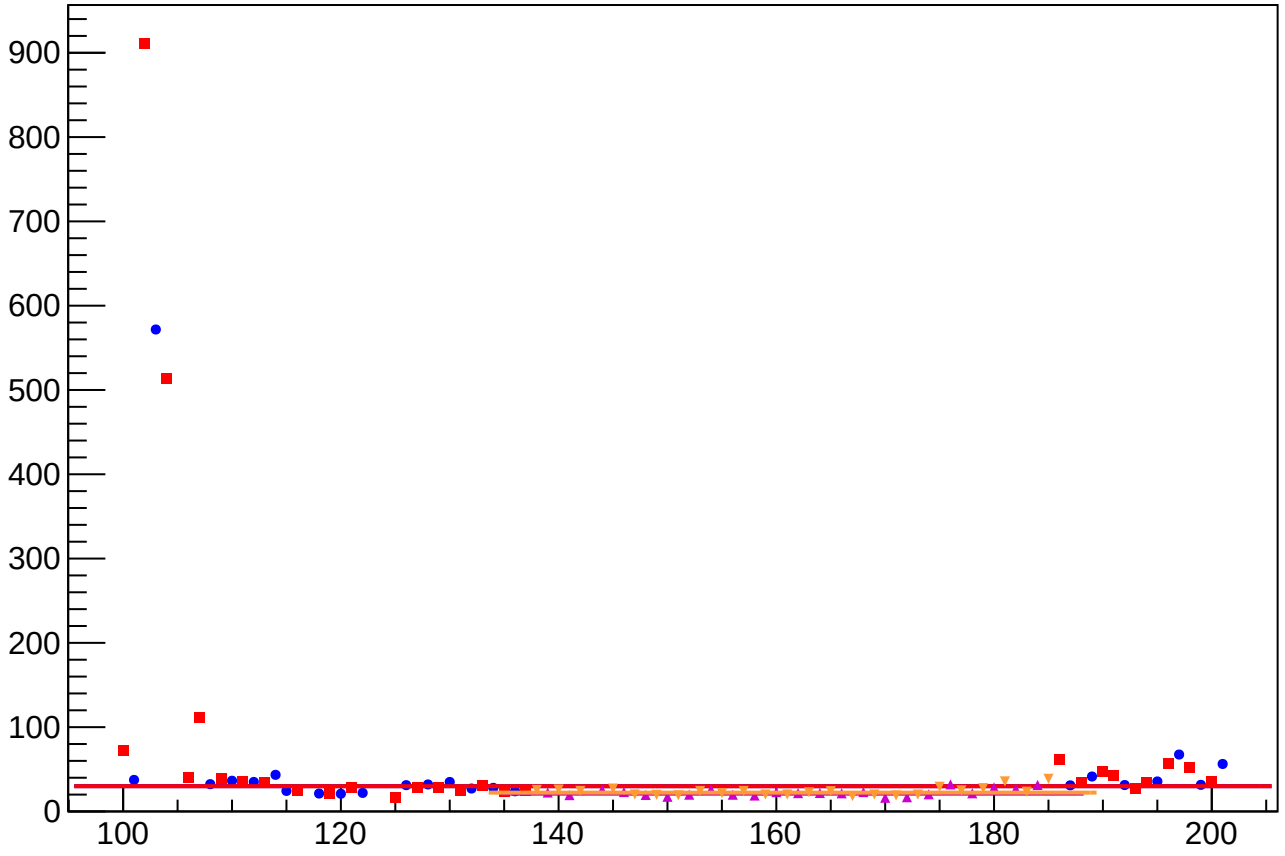
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 37.0/46

All: -0.002+/-0.003 χ^2/NDF: 75.0/96

- sign 0.002+/-0.005 χ^2/NDF: 36.3/49

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

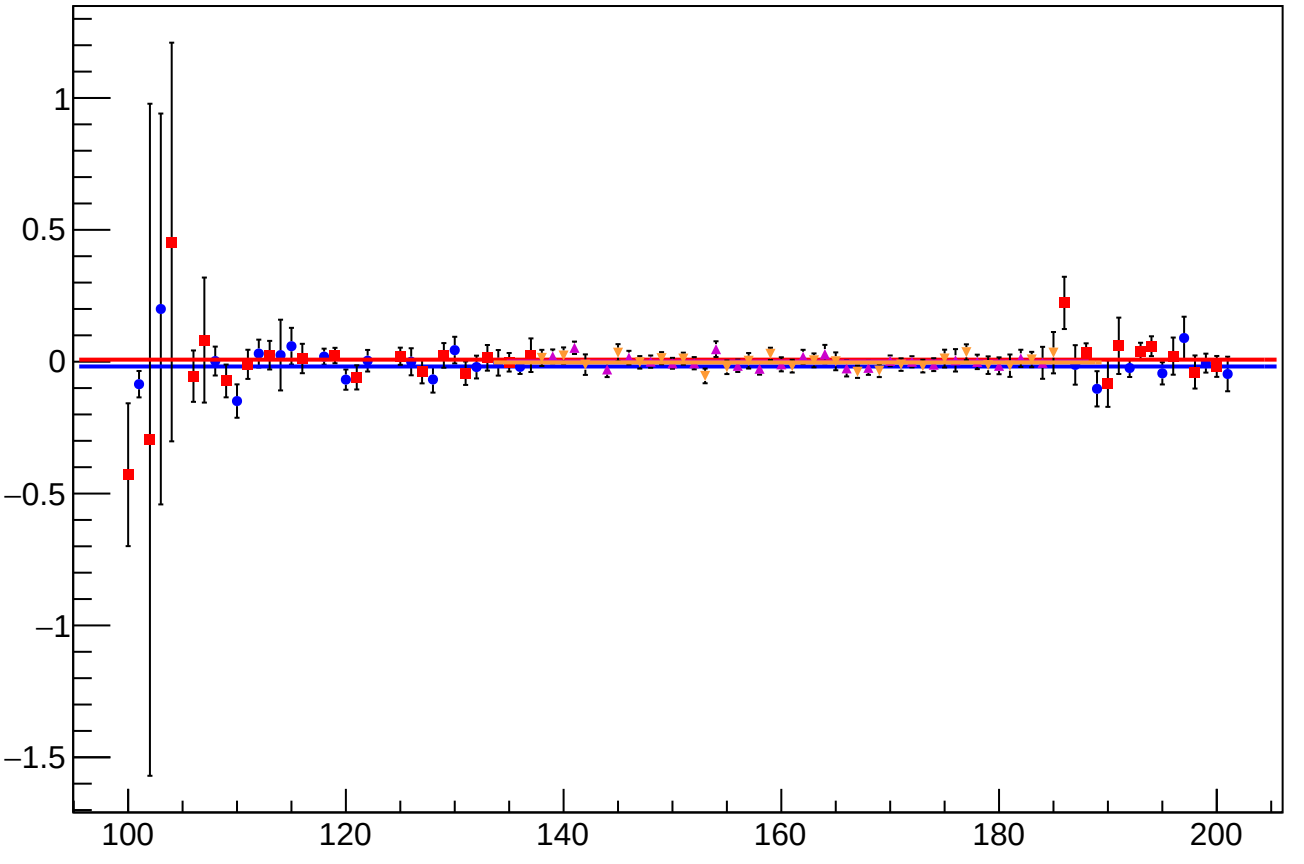
Right Out: 29.962+/-0.007 χ^2/NDF: 3763228.5/26

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 24.286+/-0.003 χ^2/NDF: 4262058.4/46

All: 23.752+/-0.002 χ^2/NDF: 10167520.2/96

\- sign 23.252+/-0.003 χ^2/NDF: 5859721.9/49



Right In: -0.018+/-0.010 χ^2/NDF: 18.8/22

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

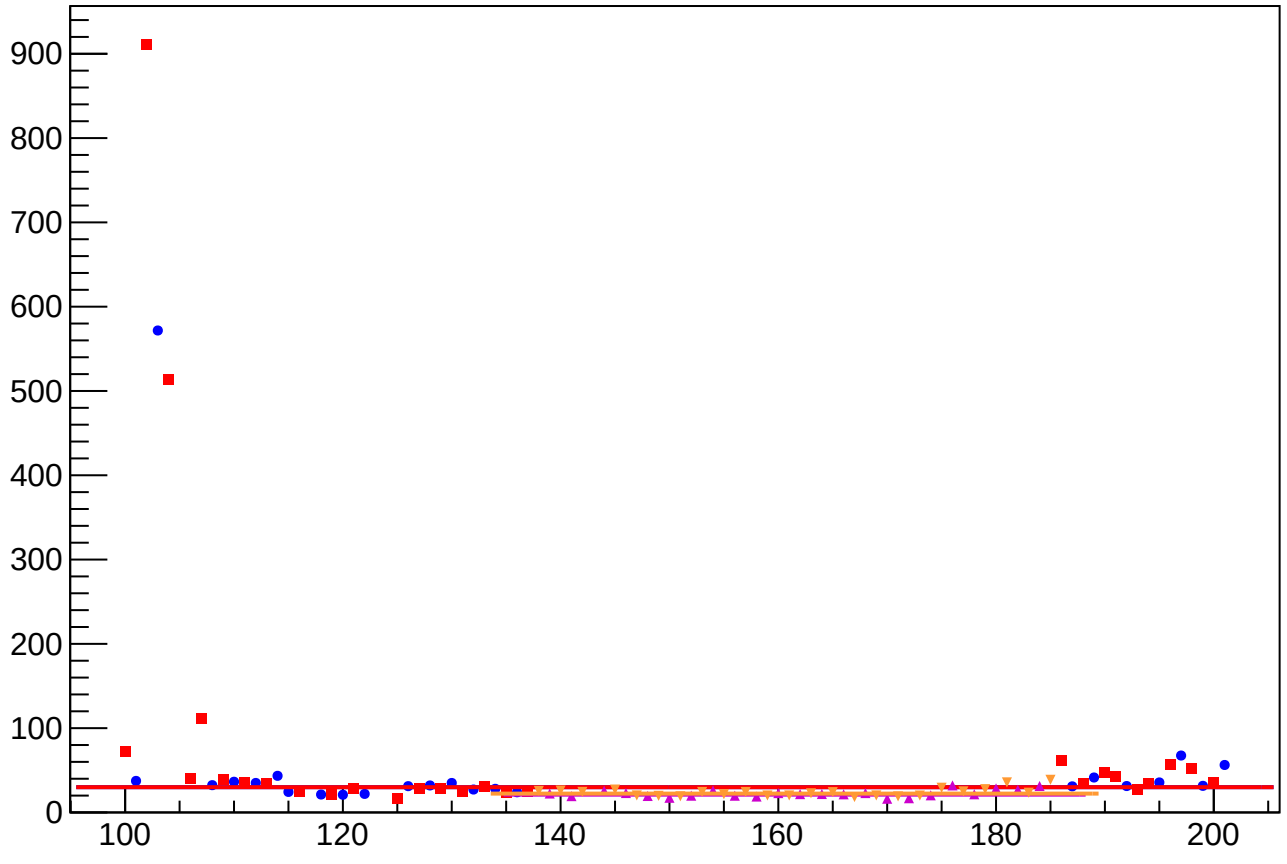
Right Out: 0.008+/-0.010 χ^2/NDF: 20.9/26

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: 75.0/96

- sign 0.002+/-0.005 χ^2/NDF: 36.3/49



Right In: 29.995+/-0.007 χ^2/NDF: 2532823.8/22

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

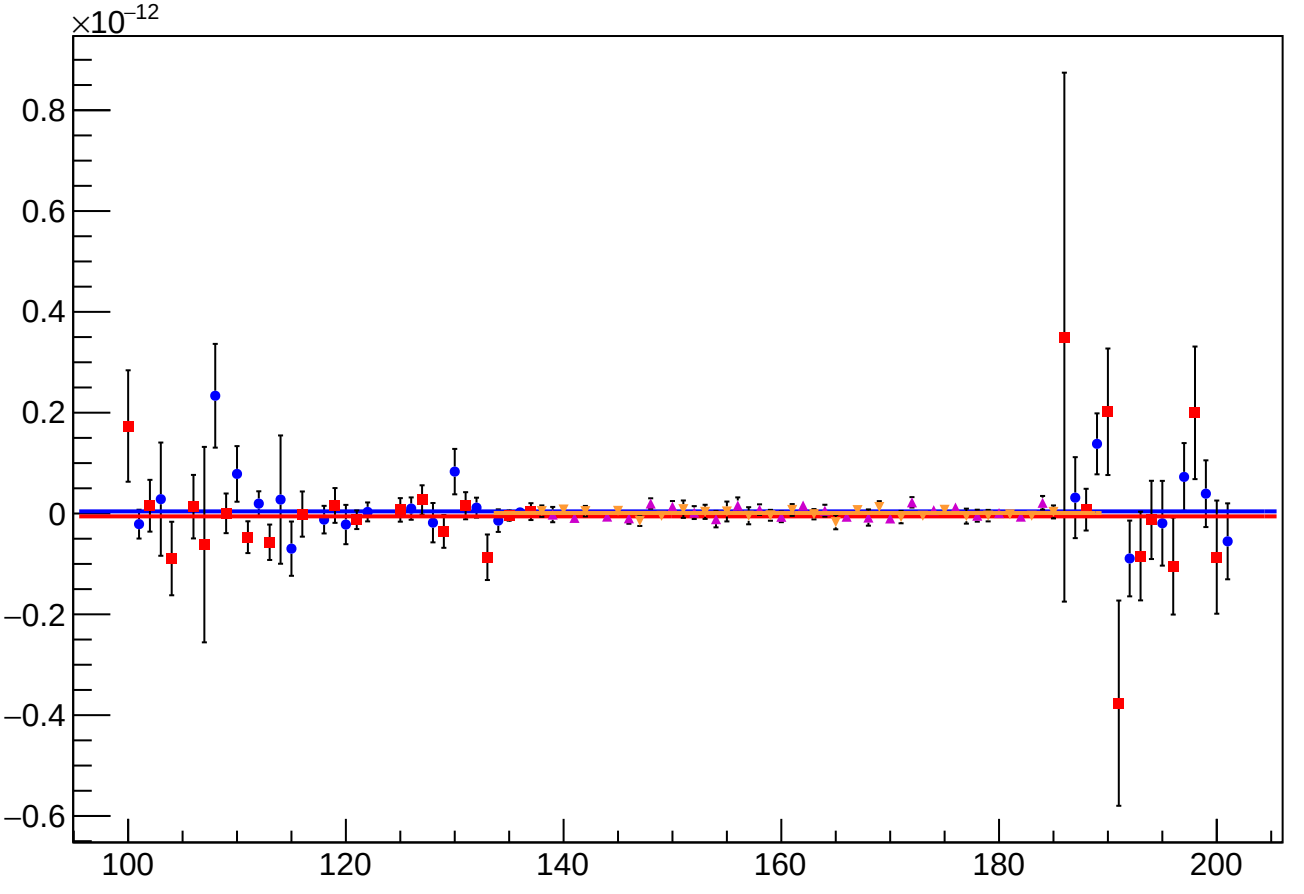
Right Out: 29.962+/-0.007 χ^2/NDF: 3763228.5/26

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.286+/-0.003 χ^2/NDF: 4262058.4/46

All: 23.752+/-0.002 χ^2/NDF: 10167520.2/96

- sign 23.252+/-0.003 χ^2/NDF: 5859721.9/49



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

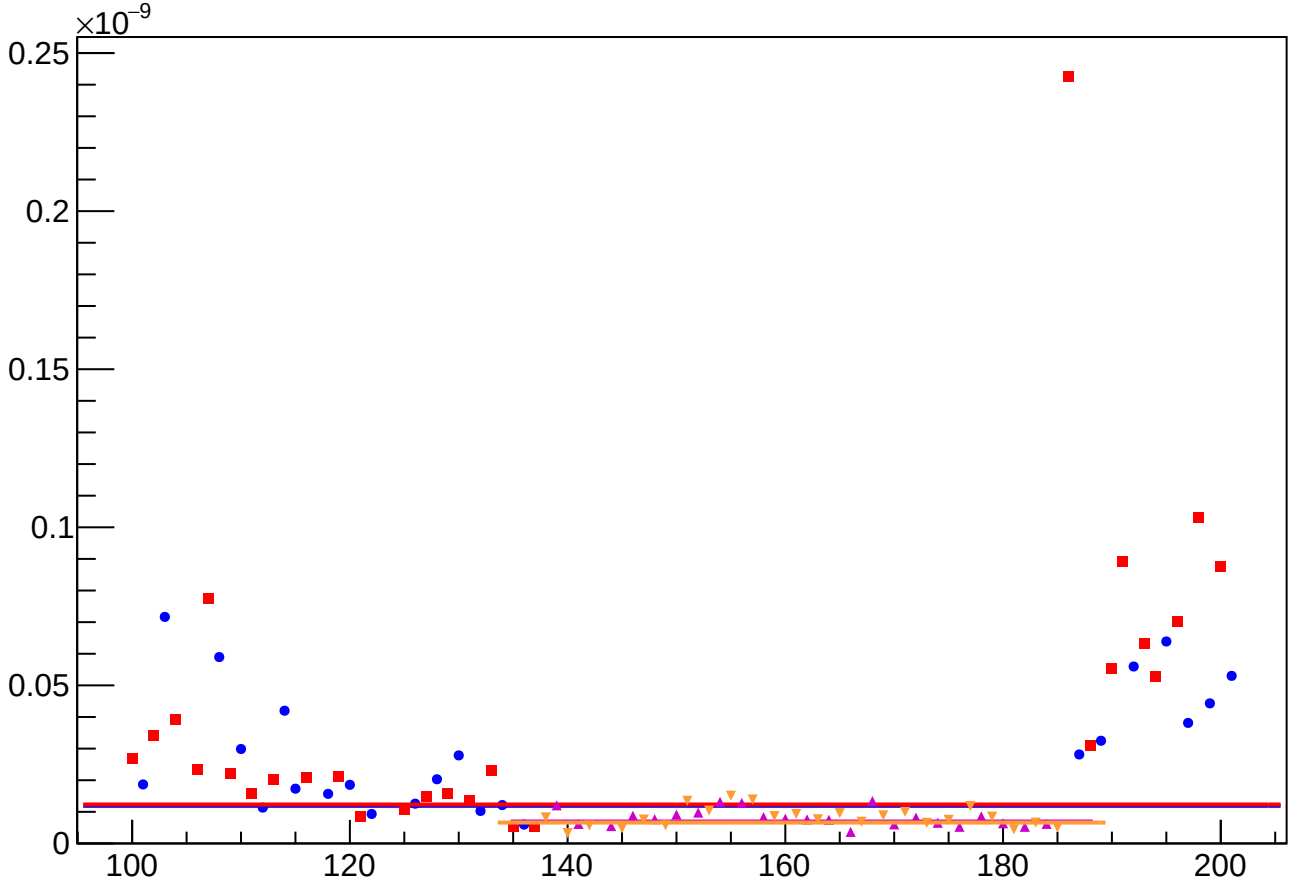
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/26

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: 89.3/96

- sign 0.000+/-0.000 χ^2/NDF: 53.7/49



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: 8041623.1/26

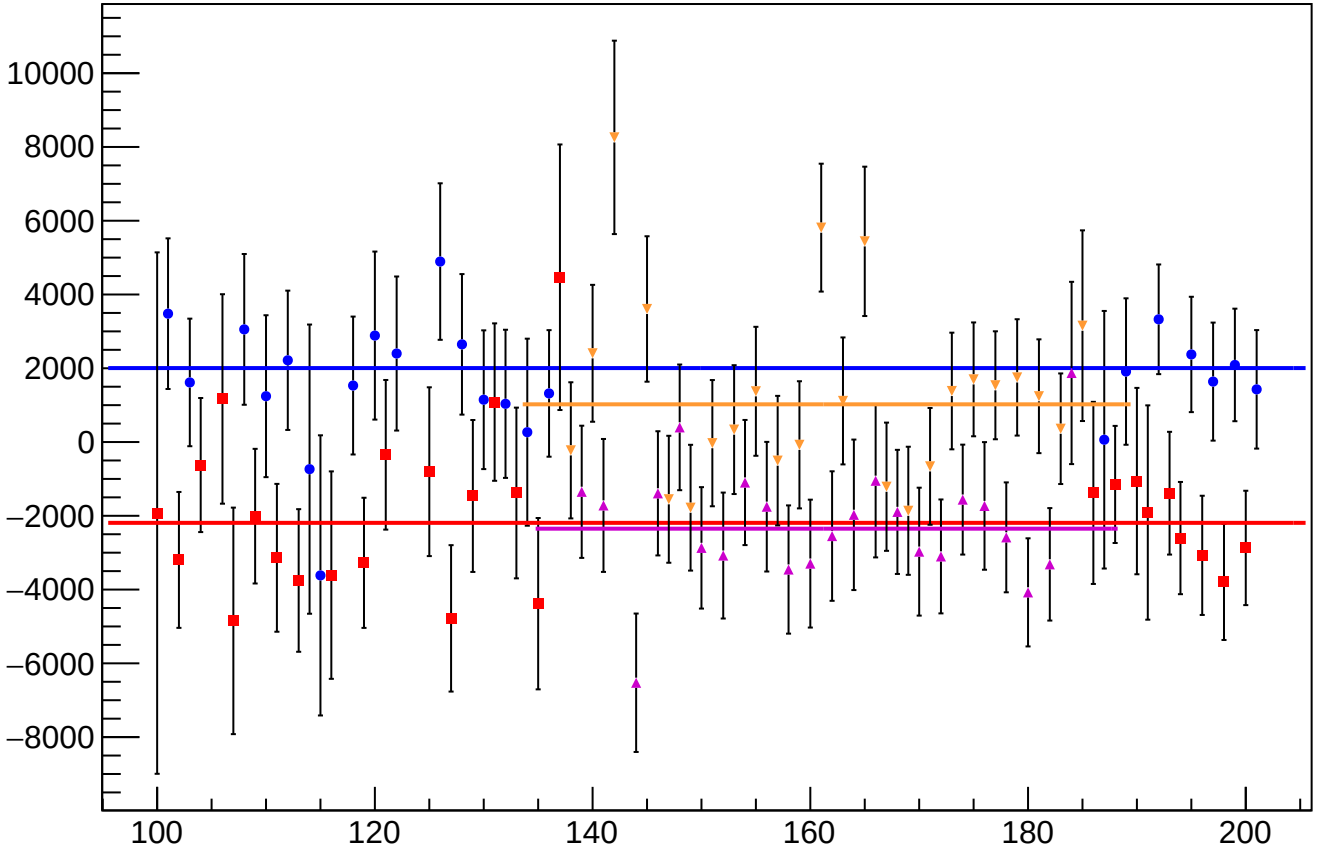
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11104330.9/46

All: 0.000+/-0.000 χ^2/NDF: 22950224.4/96

- sign 0.000+/-0.000 χ^2/NDF: 11820228.6/49

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: -2191.052+/-391.167 χ^2/NDF: 17.1/26

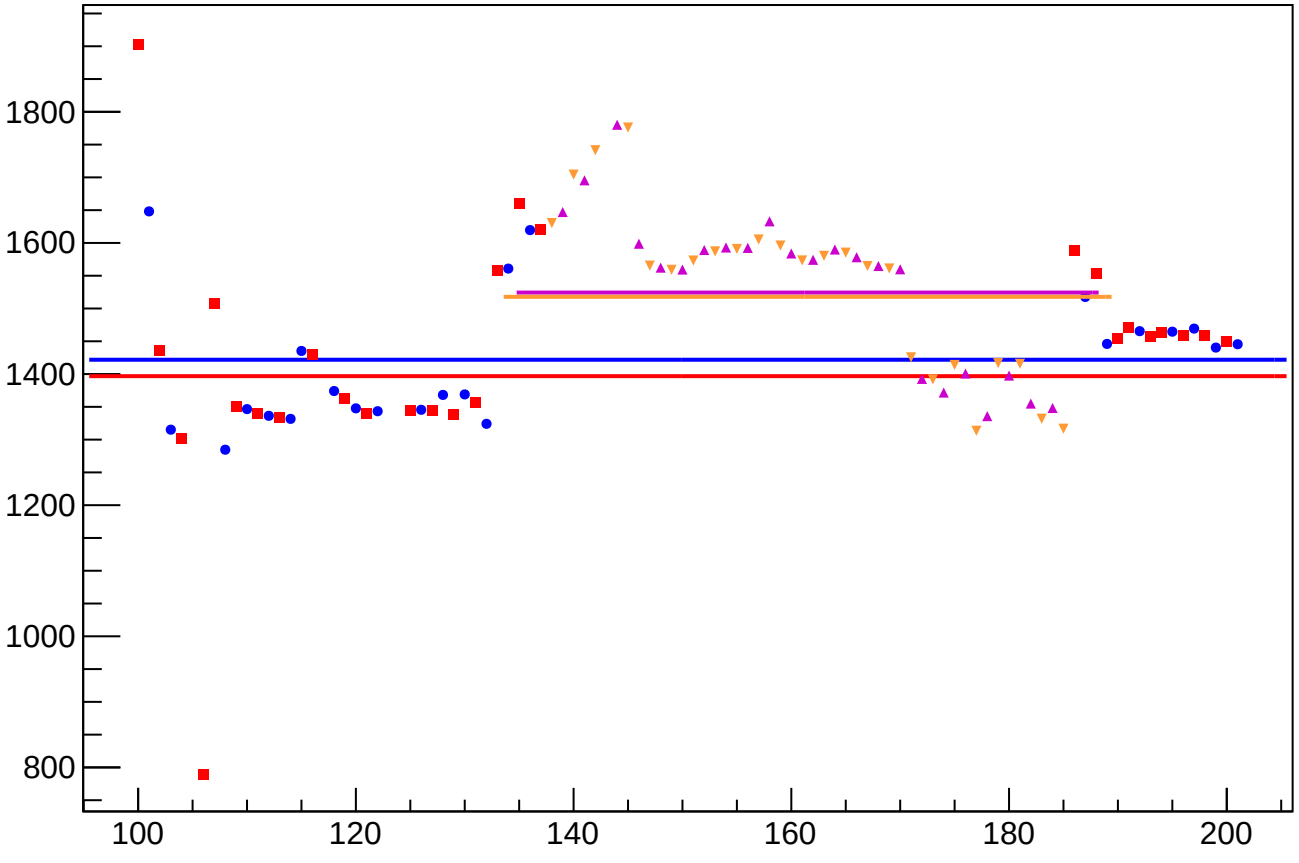
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1446.475+/-266.534 χ^2/NDF: 48.1/46

All: -435.196+/-187.465 χ^2/NDF: 179.9/96

- sign -2277.312+/-263.718 χ^2/NDF: 33.2/49

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

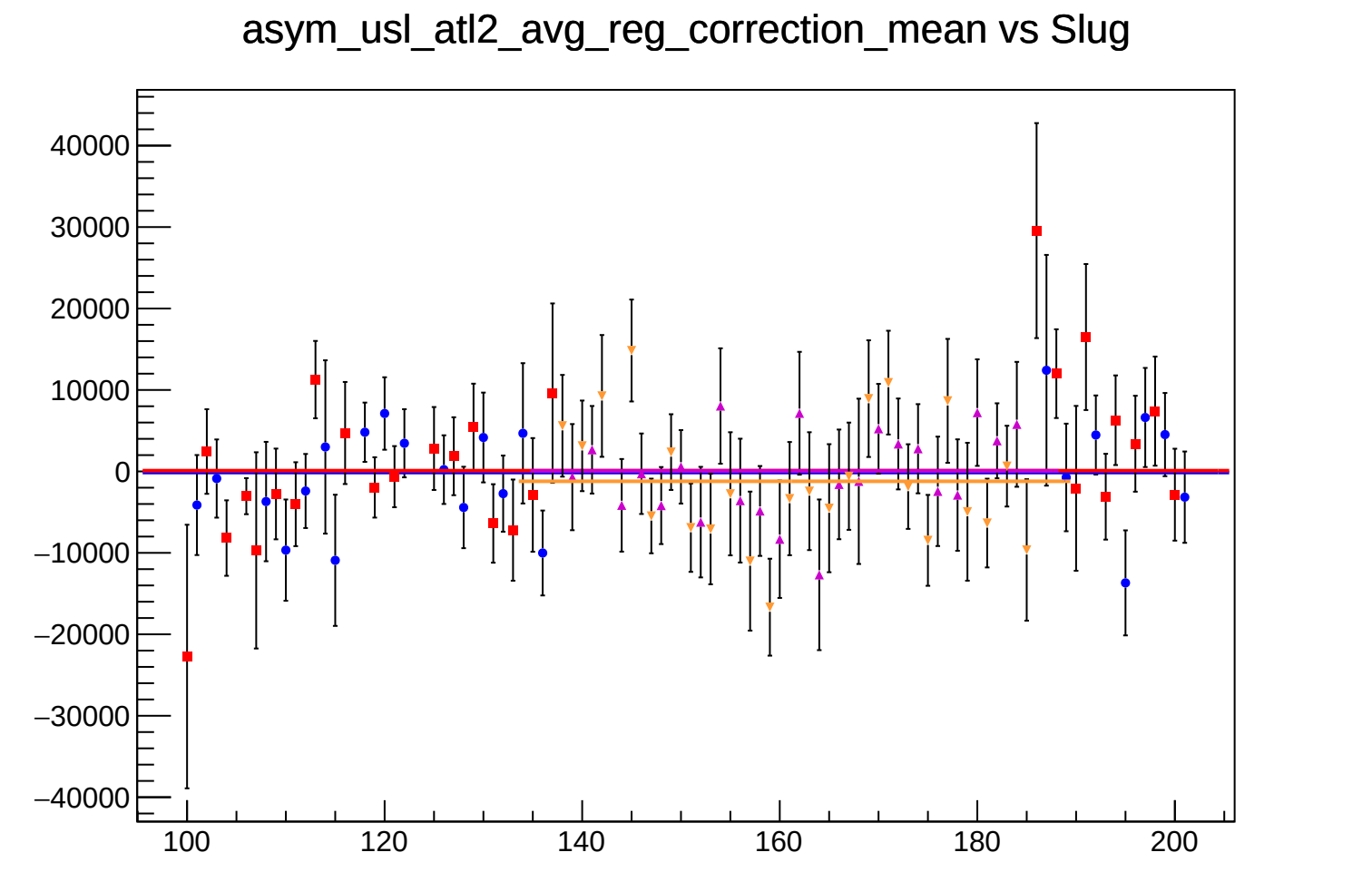
Right Out: 1396.789+/-0.272 χ^2/NDF: 393807.6/26

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1476.419+/-0.188 χ^2/NDF: 403101.9/46

All: 1470.700+/-0.132 χ^2/NDF: 1141302.7/96

- sign 1465.194+/-0.185 χ^2/NDF: 736393.6/49



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: 92.963+/-994.731 χ^2/NDF: 37.5/26

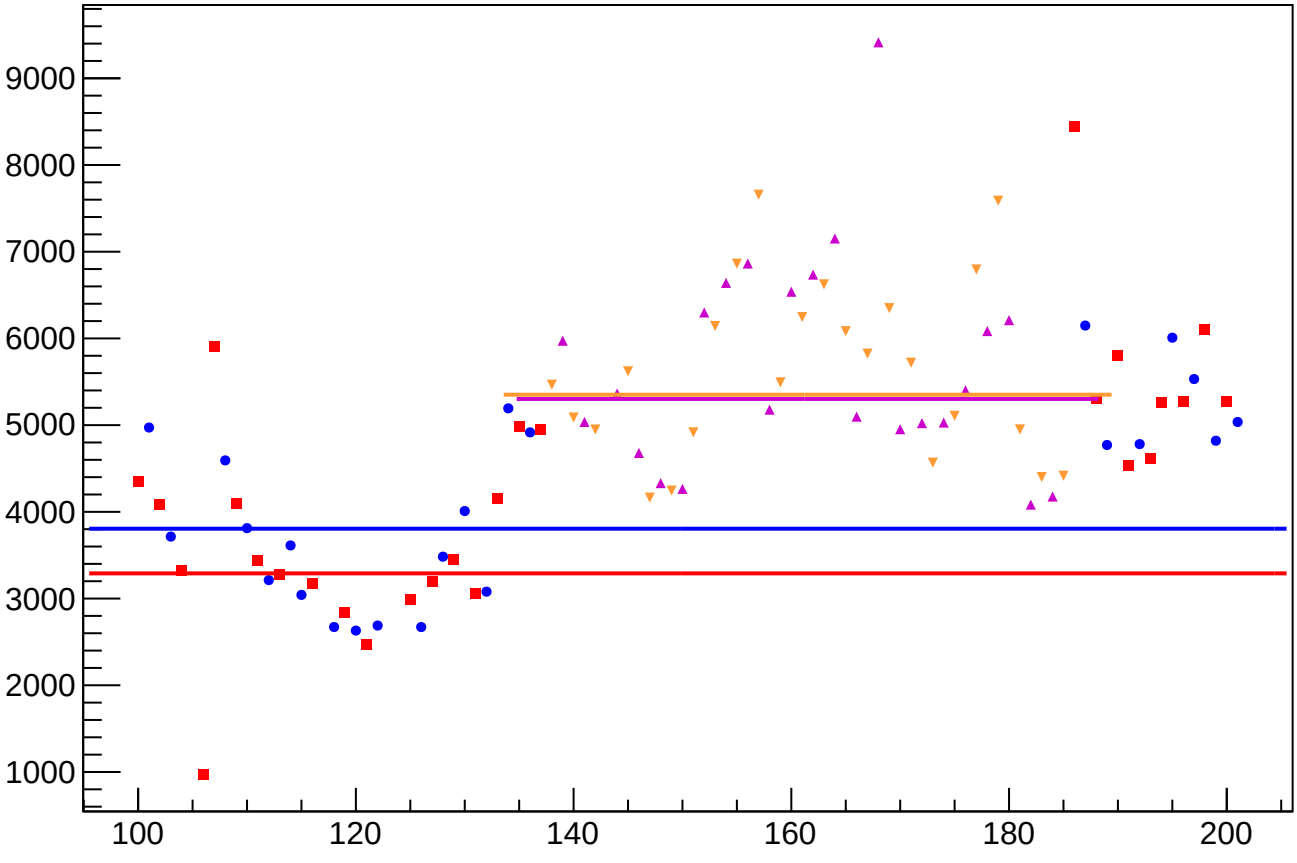
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -610.070+/-842.565 χ^2/NDF: 58.1/46

All: -234.783+/-573.086 χ^2/NDF: 109.2/96

- sign 88.305+/-781.775 χ^2/NDF: 50.7/49

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: 3290.504+/-0.703 χ^2/NDF: 4682195.5/26

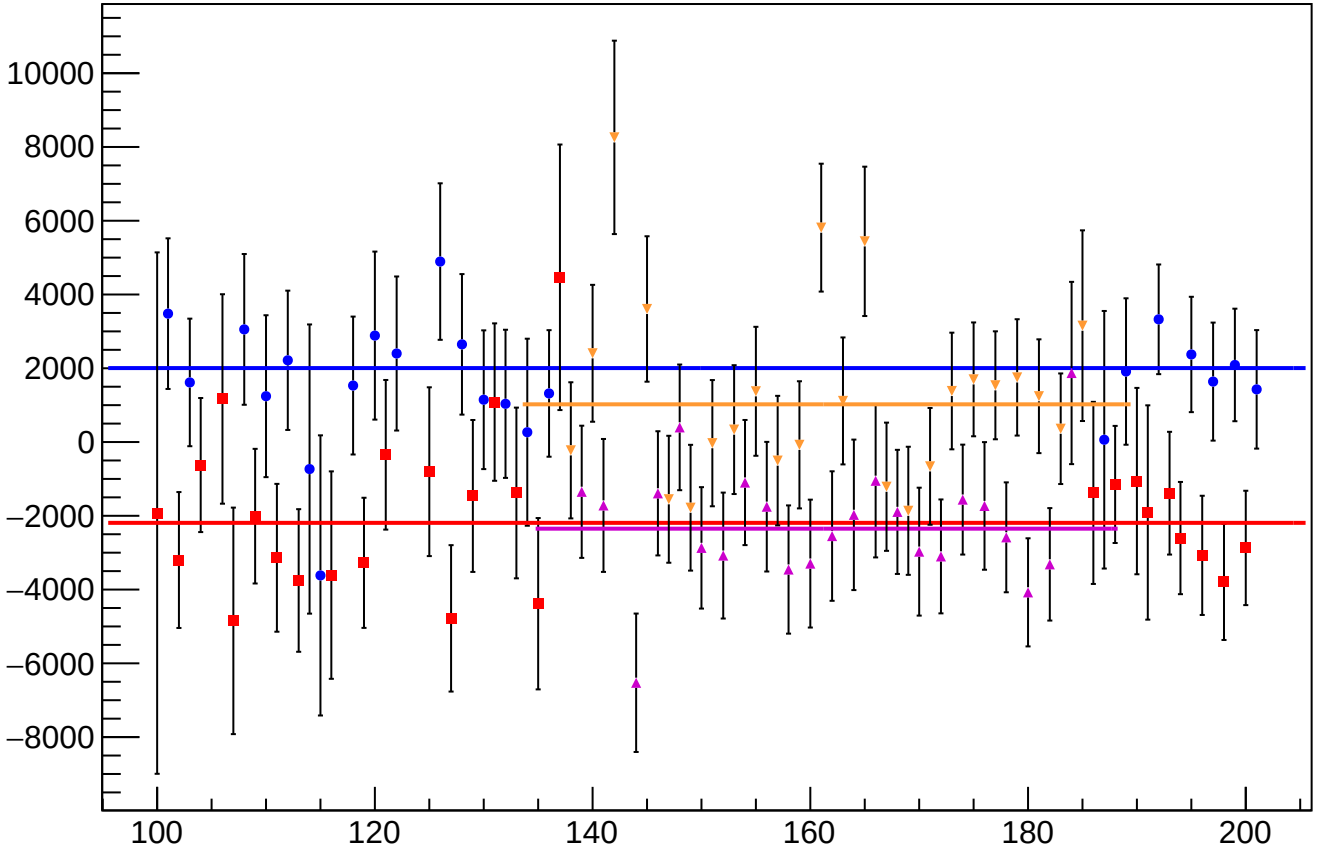
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4487.720+/-0.596 χ^2/NDF: 4444601.7/46

All: 4257.683+/-0.405 χ^2/NDF: 13787916.3/9

- sign 4059.642+/-0.553 χ^2/NDF: 9065891.2/49

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: -2191.175+/-391.169 χ^2/NDF: 17.1/26

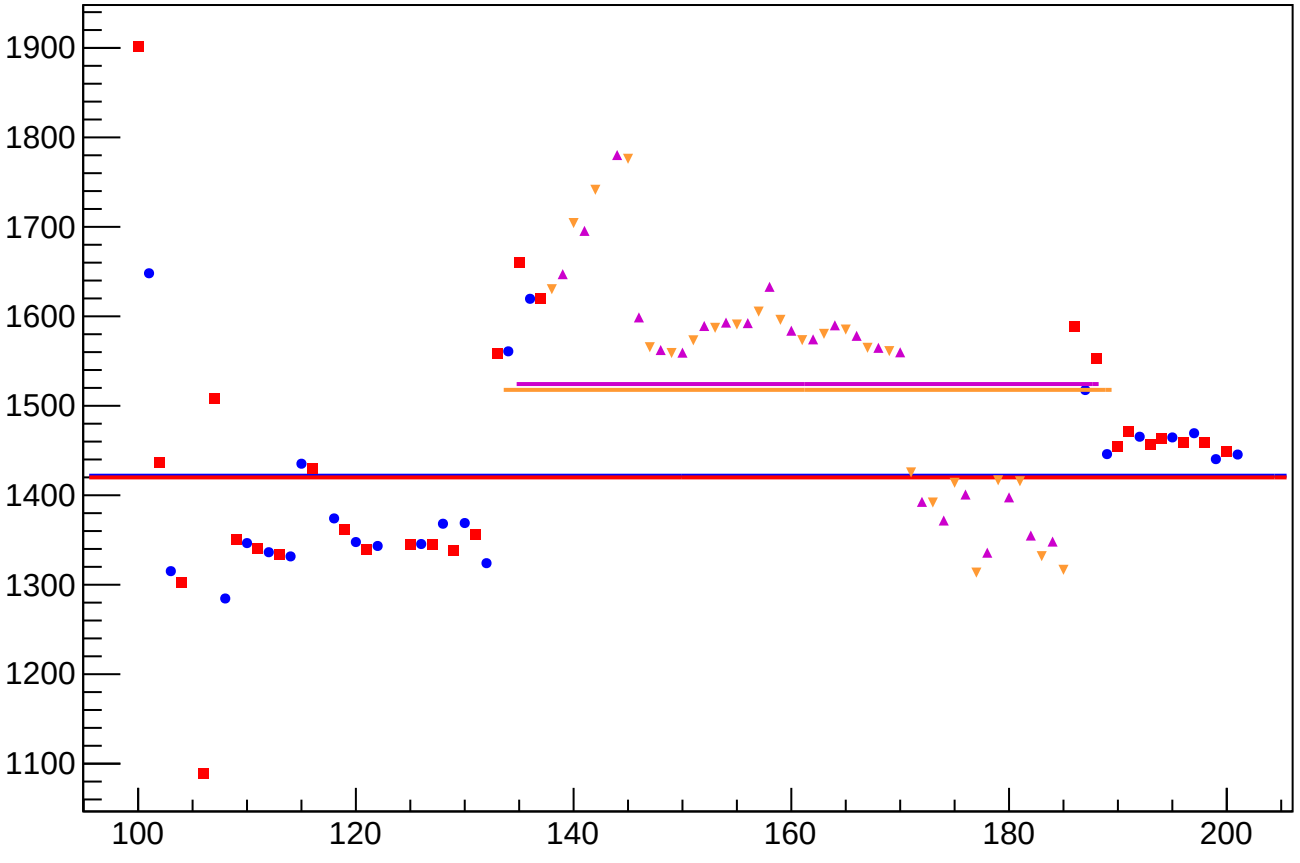
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1446.497+/-266.534 χ^2/NDF: 48.1/46

All: -435.210+/-187.465 χ^2/NDF: 179.9/96

- sign -2277.367+/-263.718 χ^2/NDF: 33.2/49

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

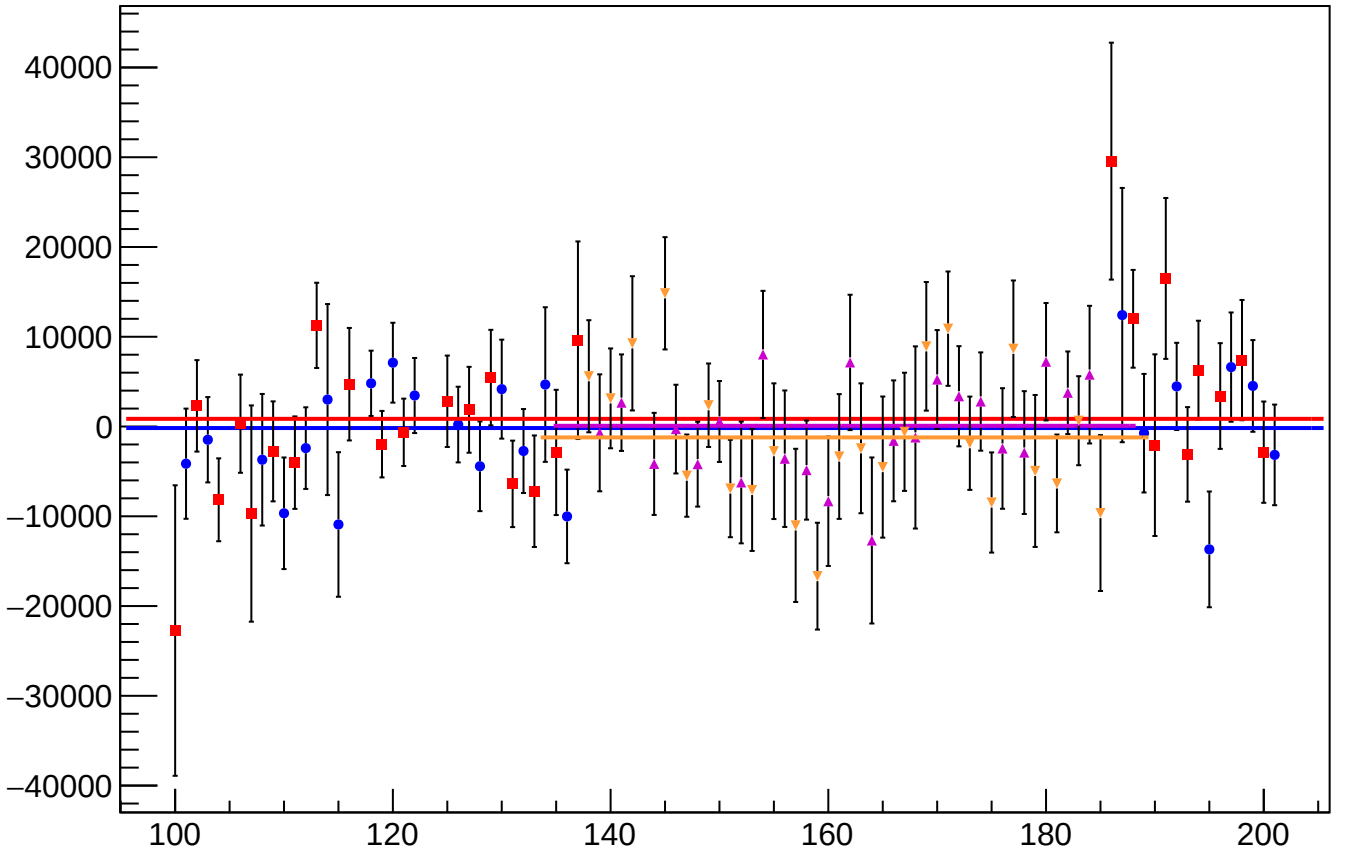
Right Out: 1419.959+/-0.274 χ^2/NDF: 158781.7/26

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1476.419+/-0.188 χ^2/NDF: 403102.1/46

All: 1476.454+/-0.132 χ^2/NDF: 864494.8/96

- sign 1476.488+/-0.186 χ^2/NDF: 461392.7/49



Right In: -169.406+/-1126.605 χ^2/NDF: 24.5/22

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

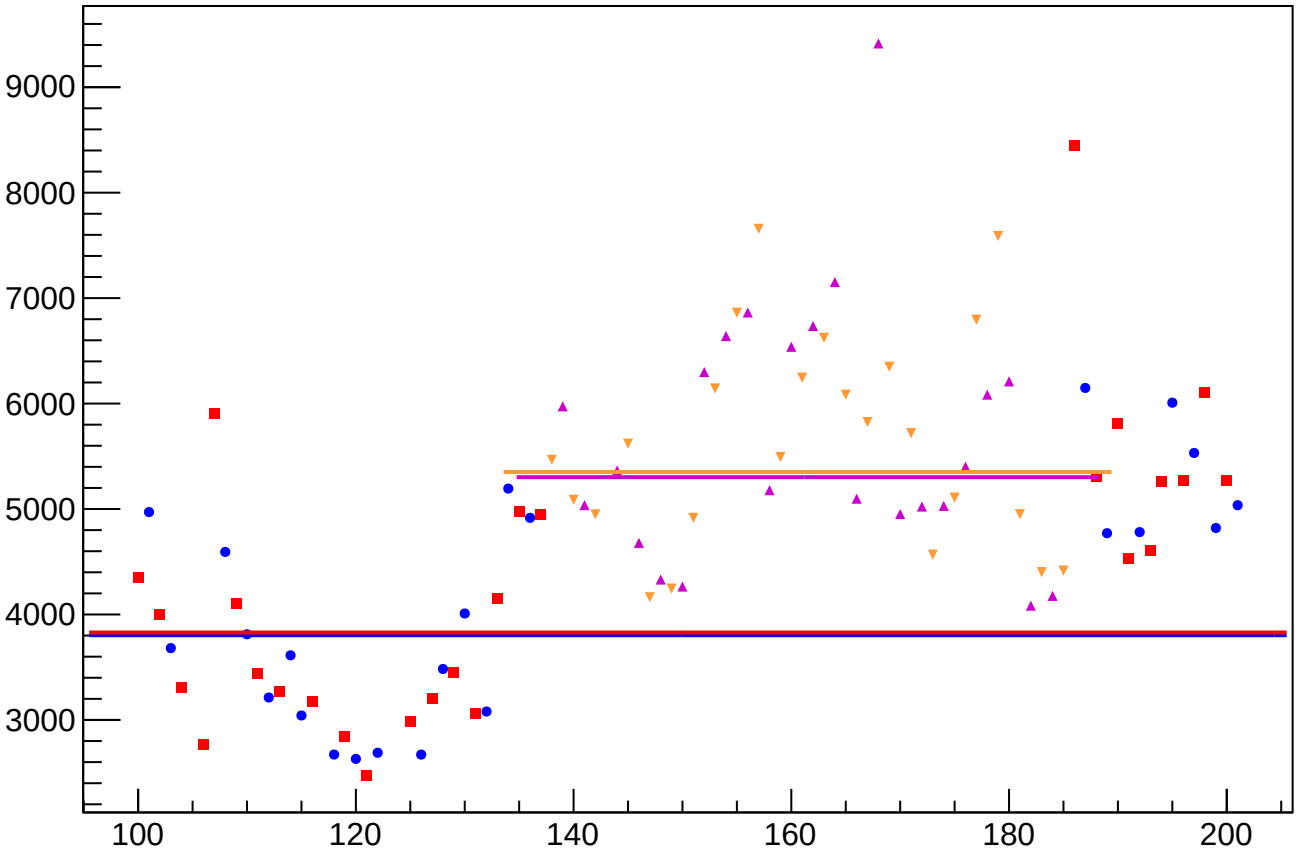
Right Out: 856.467+/-1089.897 χ^2/NDF: 35.0/26

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -629.177+/-842.294 χ^2/NDF: 58.1/46

All: -40.097+/-589.569 χ^2/NDF: 107.5/96

- sign 525.743+/-825.511 χ^2/NDF: 48.4/49



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: 3829.334+/-0.771 χ^2/NDF: 2005374.7/26

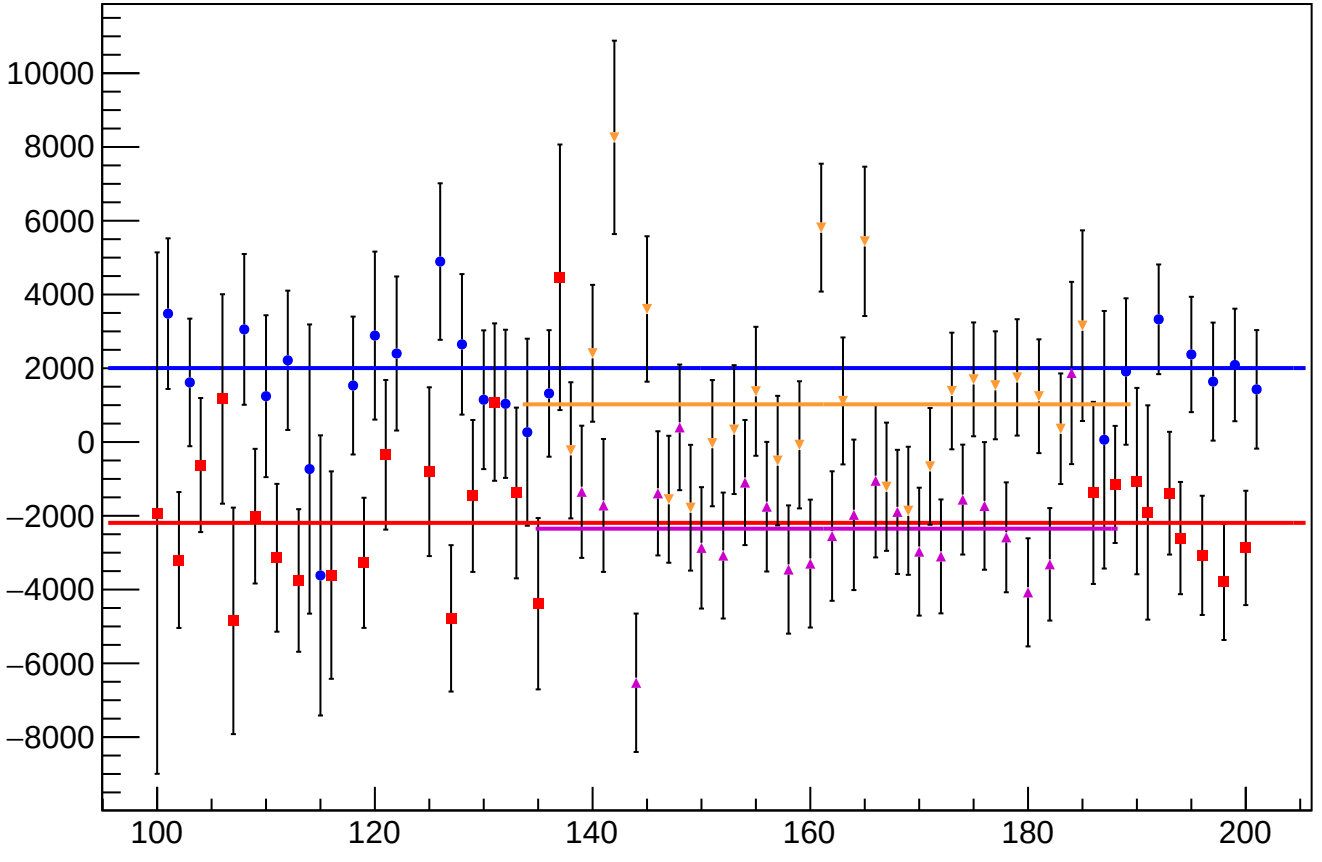
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4486.160+/-0.596 χ^2/NDF: 4450317.0/46

All: 4471.402+/-0.417 χ^2/NDF: 9270262.1/96

- sign 4457.226+/-0.584 χ^2/NDF: 4818741.4/49

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: -2191.175+/-391.169 χ^2/NDF: 17.1/26

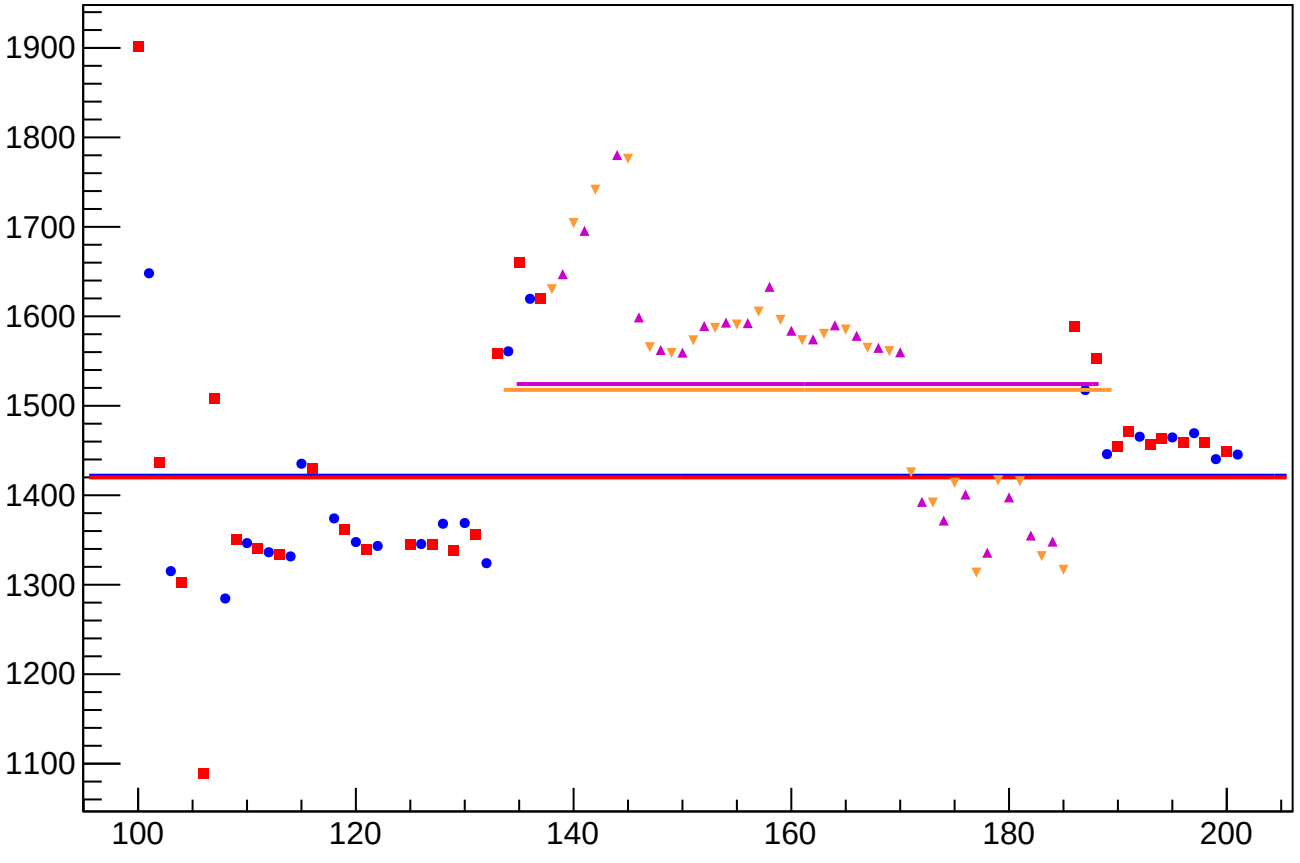
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1446.497+/-266.534 χ^2/NDF: 48.1/46

All: -435.210+/-187.465 χ^2/NDF: 179.9/96

- sign -2277.367+/-263.718 χ^2/NDF: 33.2/49

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

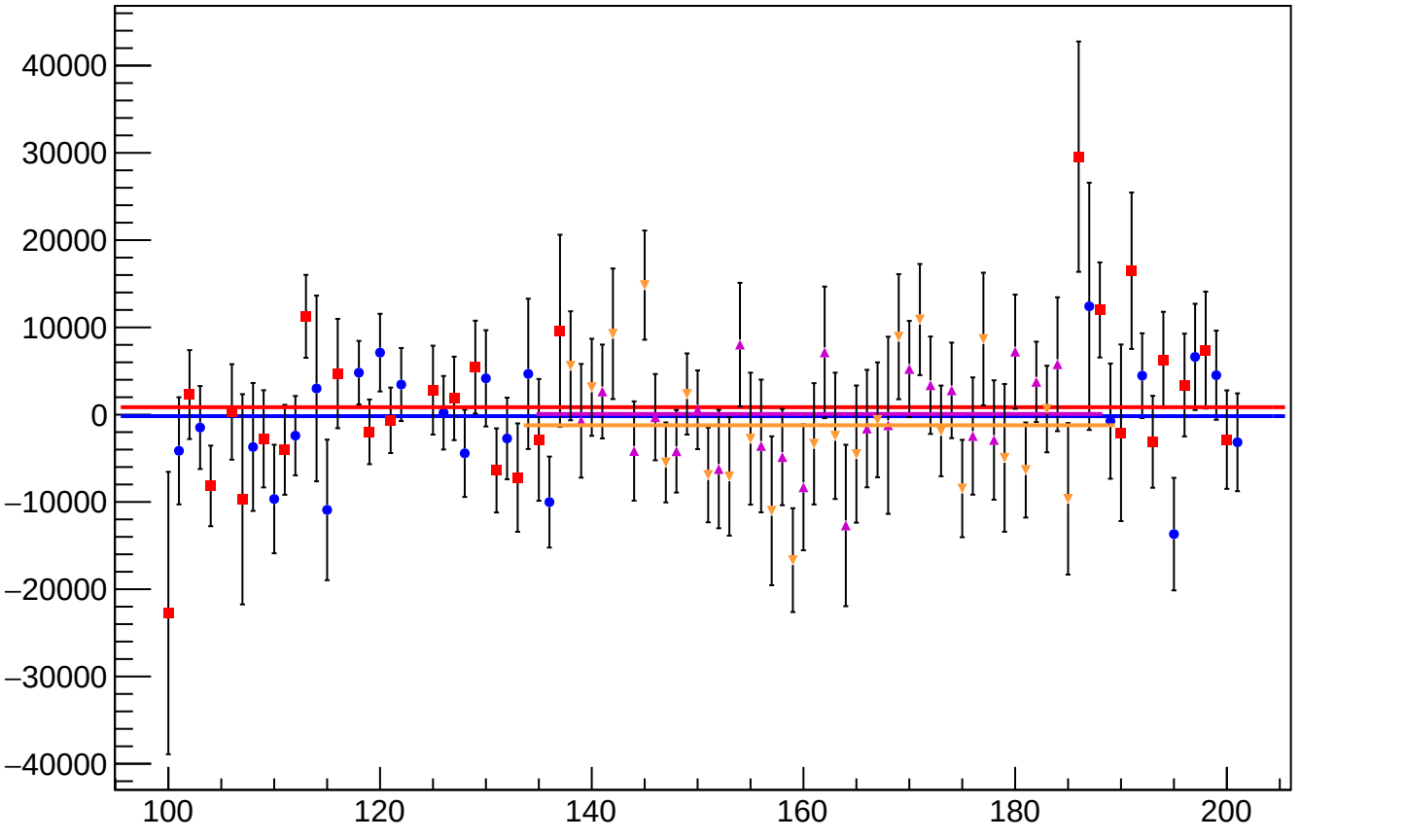
Right Out: 1419.959+/-0.274 χ^2/NDF: 158781.7/26

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1476.419+/-0.188 χ^2/NDF: 403102.1/46

All: 1476.454+/-0.132 χ^2/NDF: 864494.8/96

- sign 1476.488+/-0.186 χ^2/NDF: 461392.7/49



Right In: -169.406+/-1126.605 χ^2/NDF: 24.5/22

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

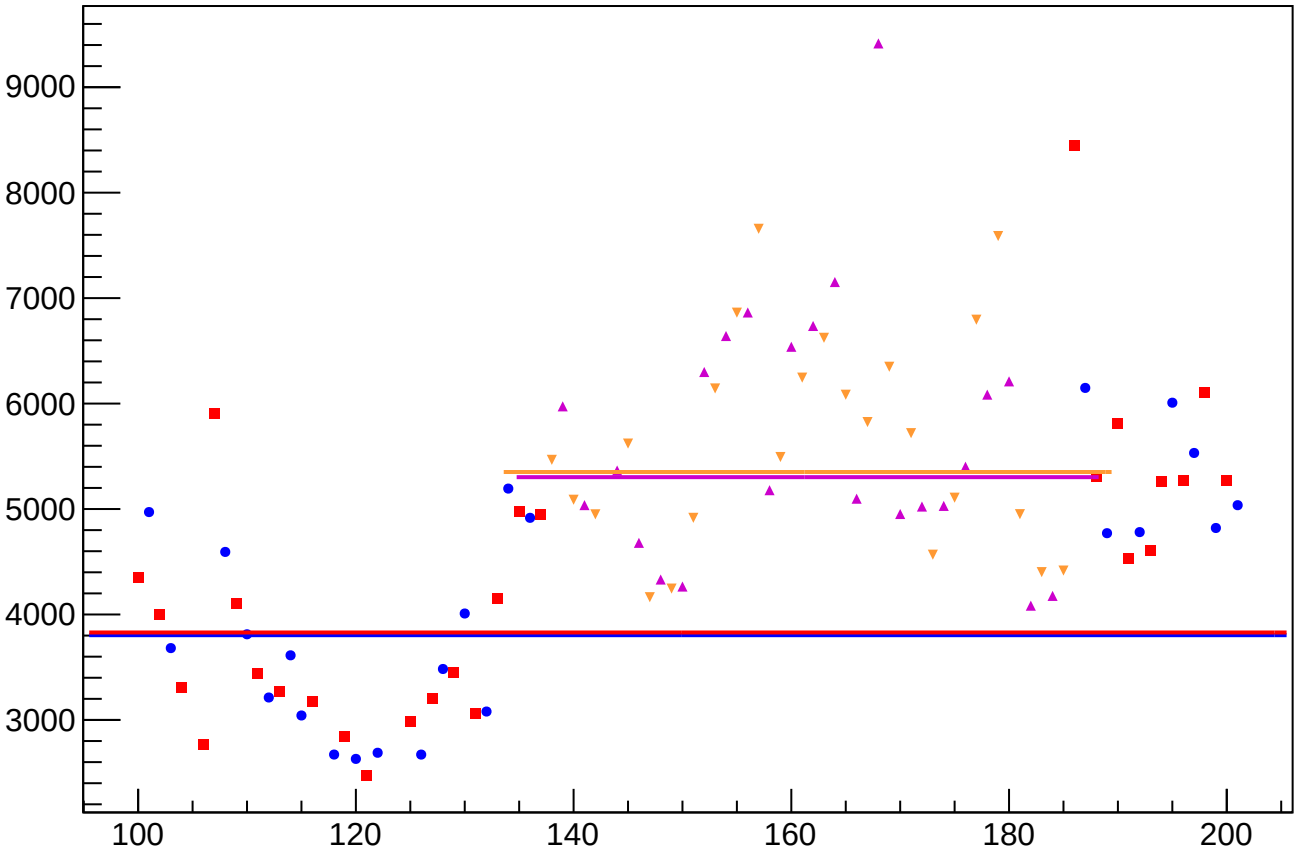
Right Out: 856.467+/-1089.897 χ^2/NDF: 35.0/26

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -629.177+/-842.294 χ^2/NDF: 58.1/46

All: -40.097+/-589.569 χ^2/NDF: 107.5/96

- sign 525.743+/-825.511 χ^2/NDF: 48.4/49



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: 3829.334+/-0.771 χ^2/NDF: 2005374.7/26

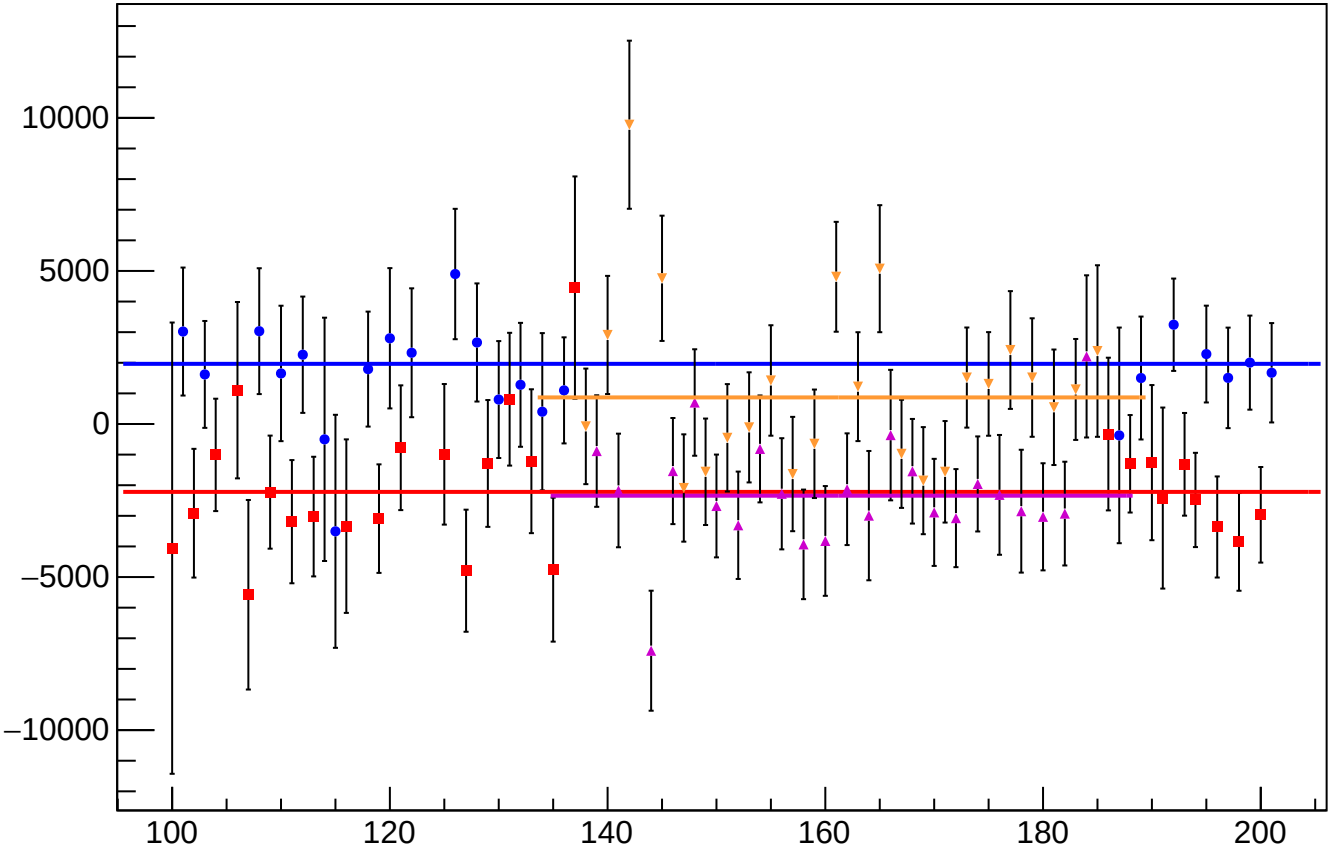
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4486.160+/-0.596 χ^2/NDF: 4450317.0/46

All: 4471.402+/-0.417 χ^2/NDF: 9270262.1/96

- sign 4457.226+/-0.584 χ^2/NDF: 4818741.4/49

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: -2217.951+/-396.903 χ^2/NDF: 16.4/26

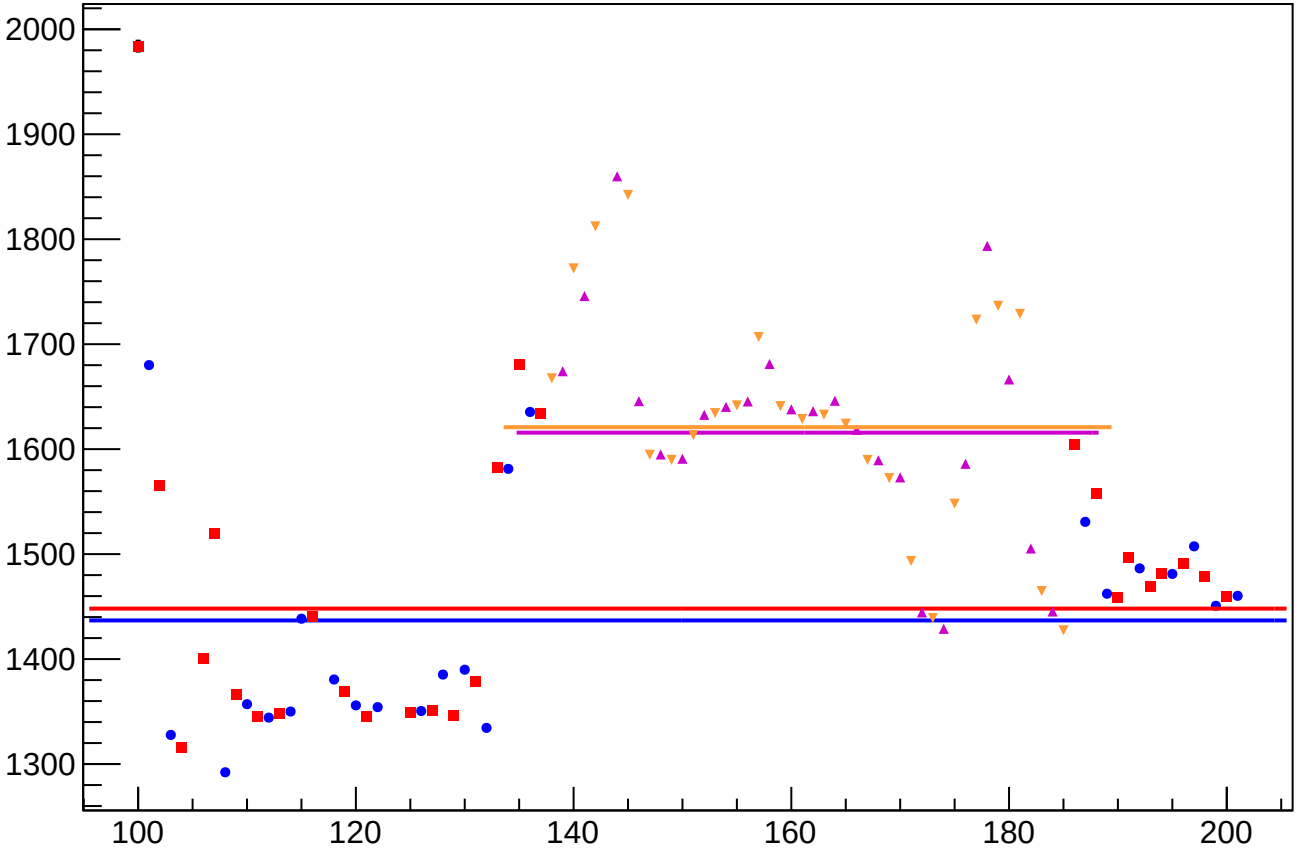
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1370.871+/-277.669 χ^2/NDF: 51.4/46

All: -481.978+/-194.948 χ^2/NDF: 173.6/96

- sign -2283.140+/-273.768 χ^2/NDF: 34.5/49

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: 1448.084+/-0.280 χ^2/NDF: 120406.3/26

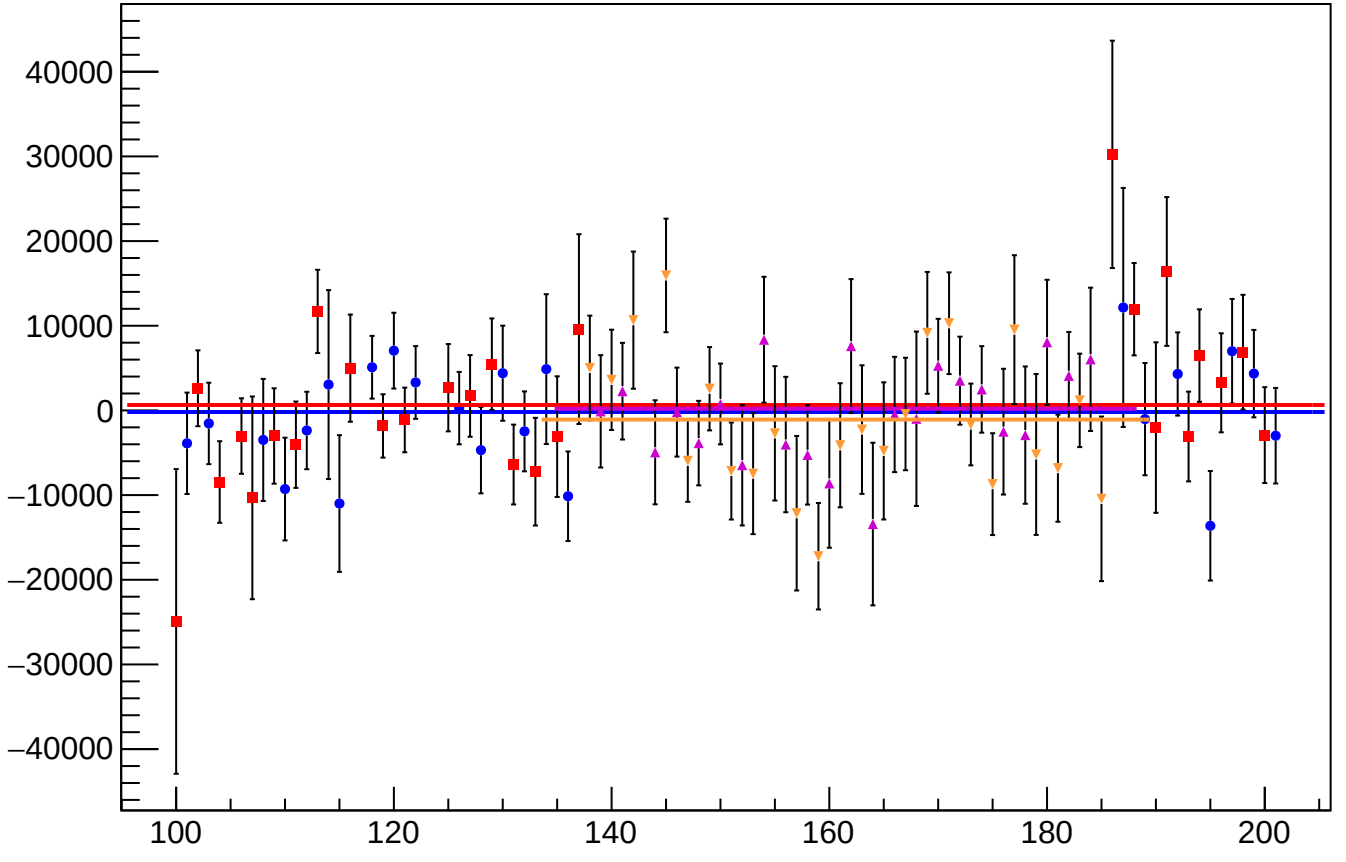
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1536.607+/-0.196 χ^2/NDF: 474146.2/46

All: 1536.212+/-0.138 χ^2/NDF: 918994.3/96

- sign 1535.830+/-0.193 χ^2/NDF: 444840.2/49

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: 640.766+/-1081.205 χ^2/NDF: 35.9/26

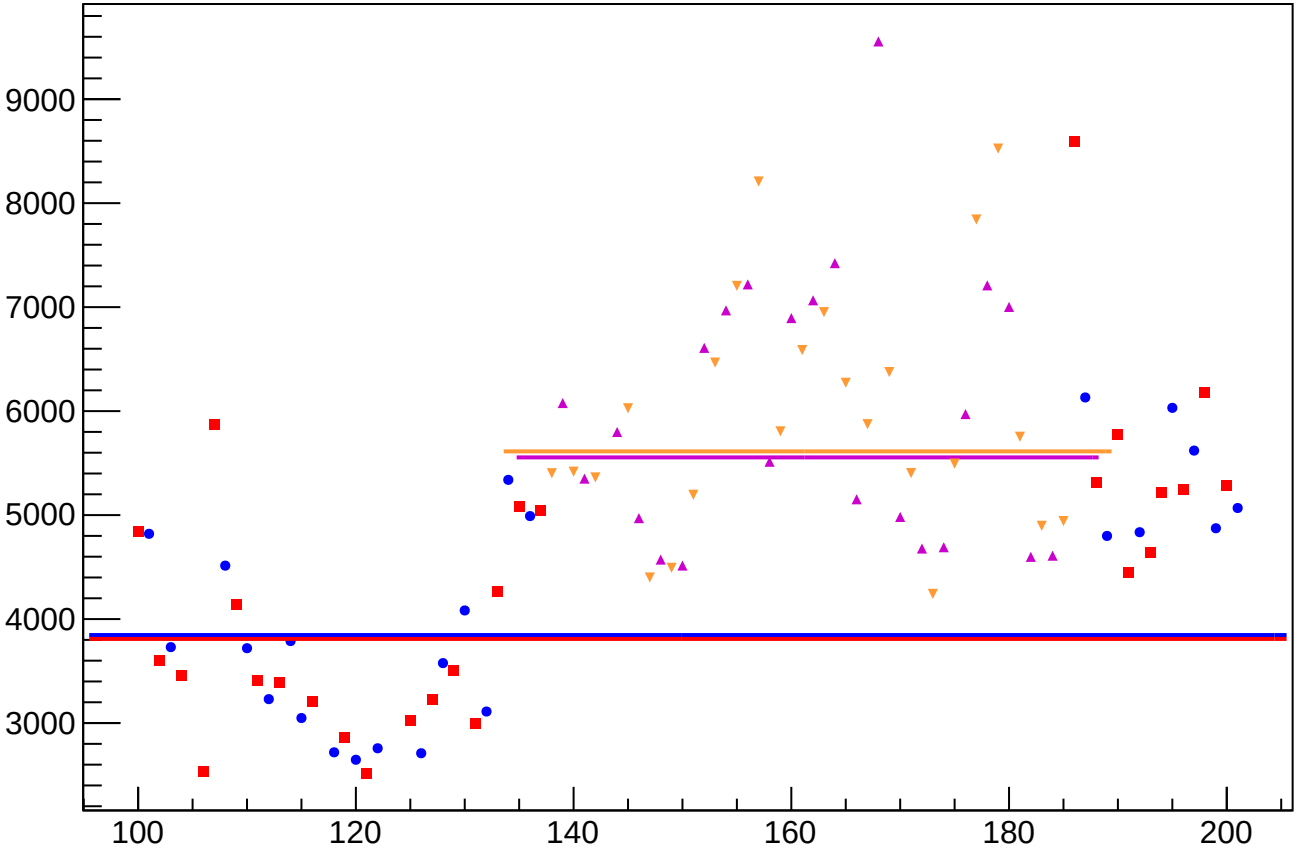
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -563.590+/-865.341 χ^2/NDF: 57.4/46

All: -32.561+/-601.988 χ^2/NDF: 107.0/96

- sign 465.438+/-837.996 χ^2/NDF: 48.9/49

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: 3809.145+/-0.765 χ^2/NDF: 2068397.2/26

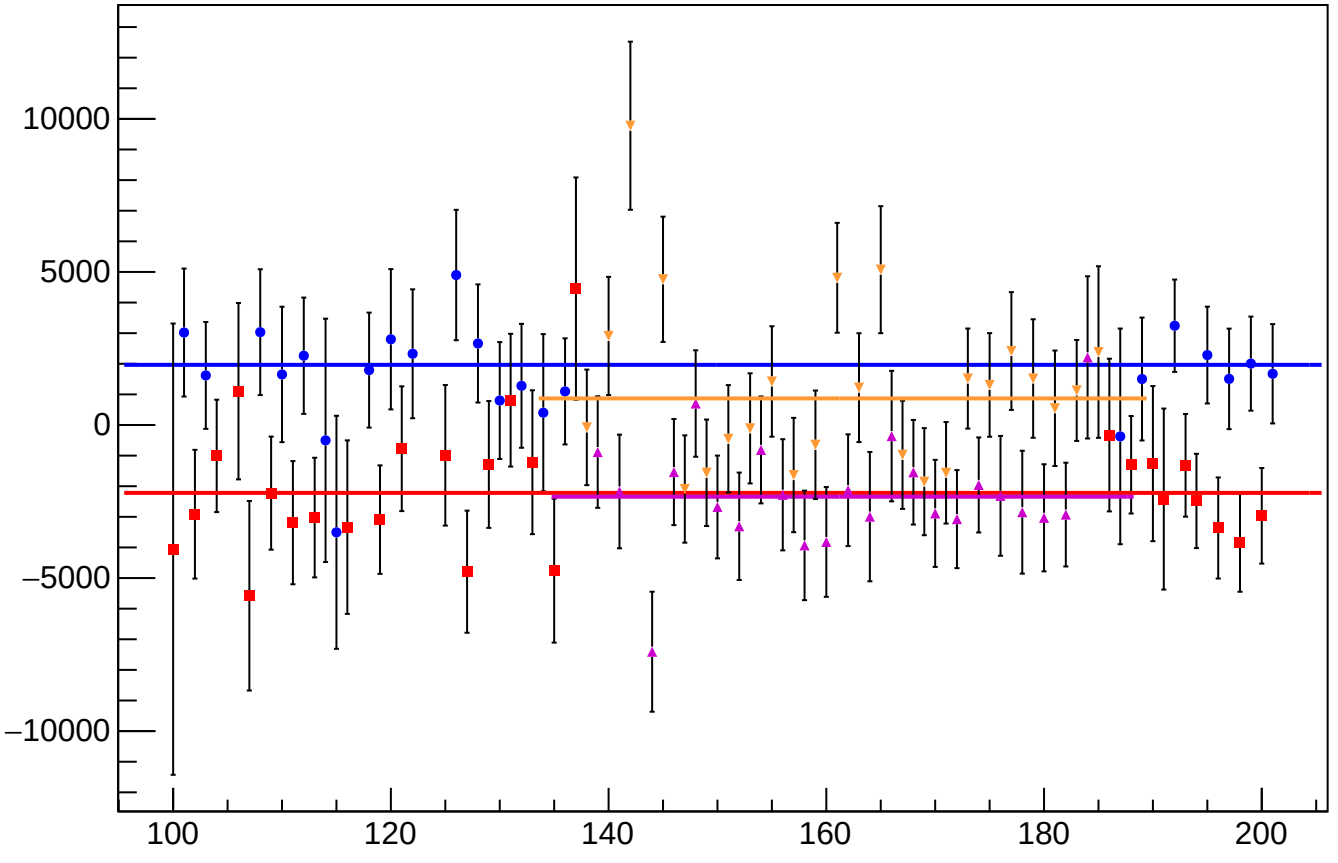
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4591.512+/-0.612 χ^2/NDF: 4896096.9/46

All: 4547.492+/-0.426 χ^2/NDF: 10389477.7/9

- sign 4506.210+/-0.593 χ^2/NDF: 5483351.8/49

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: -2217.950+/-396.903 χ^2/NDF: 16.4/26

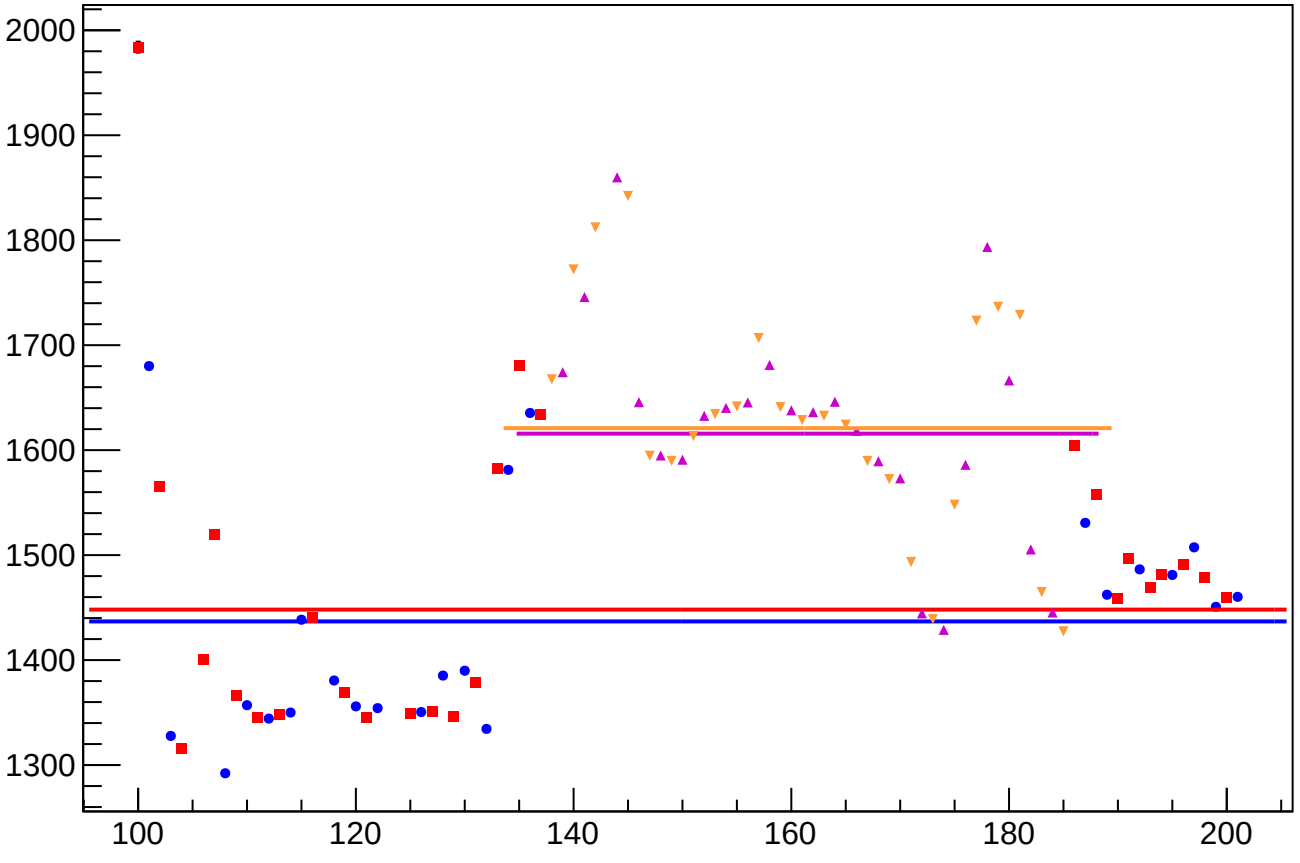
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1370.867+/-277.669 χ^2/NDF: 51.4/46

All: -481.979+/-194.948 χ^2/NDF: 173.6/96

- sign -2283.140+/-273.769 χ^2/NDF: 34.5/49

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

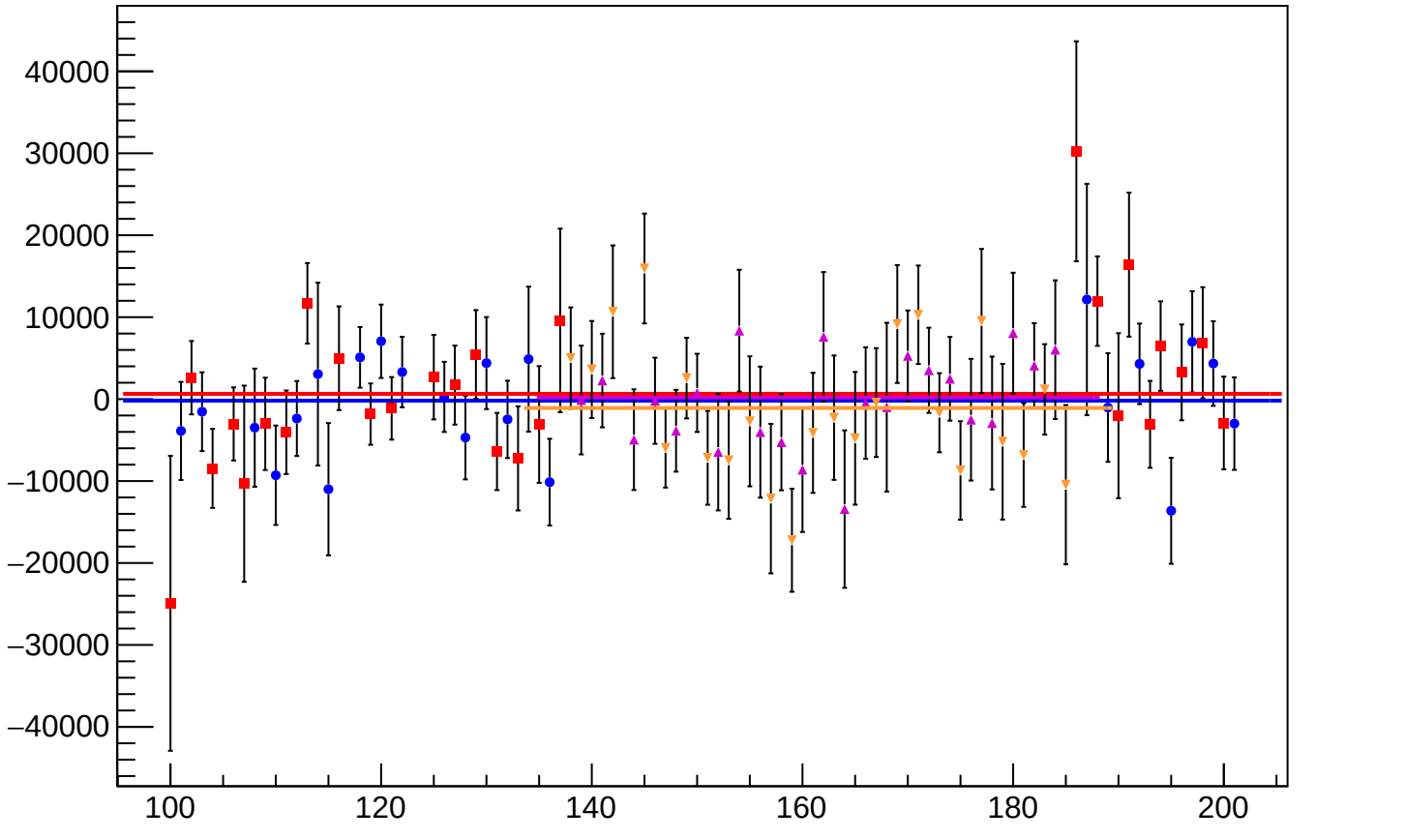
Right Out: 1448.083+/-0.280 χ^2/NDF: 120406.4/26

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1536.608+/-0.196 χ^2/NDF: 474153.8/46

All: 1536.213+/-0.138 χ^2/NDF: 919009.5/96

- sign 1535.830+/-0.193 χ^2/NDF: 444847.8/49



Right In: -185.239+/-1138.010 χ^2/NDF: 24.2/22

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

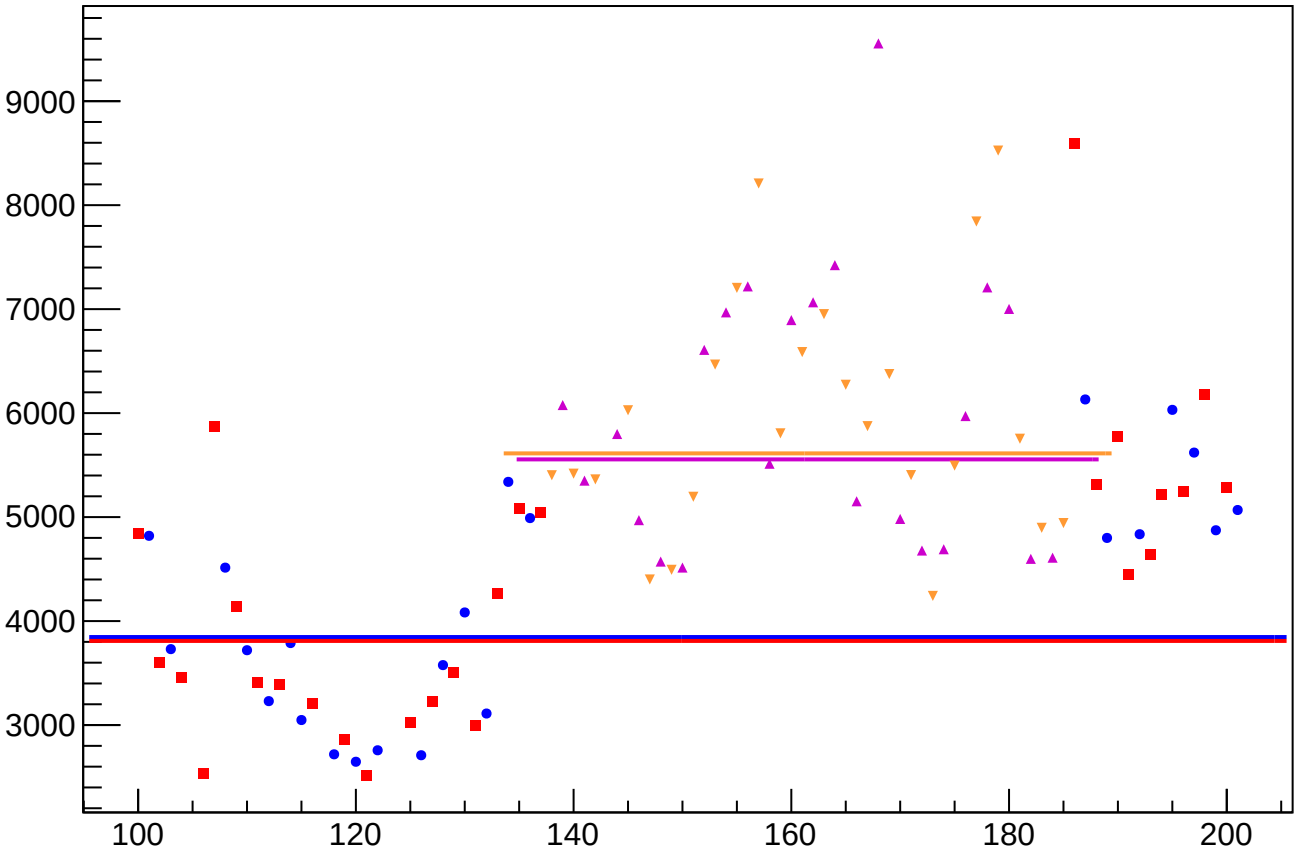
Right Out: 640.759+/-1081.203 χ^2/NDF: 35.9/26

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

\+ sign -563.589+/-865.340 χ^2/NDF: 57.4/46

All: -32.562+/-601.988 χ^2/NDF: 107.0/96

\- sign 465.435+/-837.996 χ^2/NDF: 48.9/49



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: 3809.136+/-0.765 χ^2/NDF: 2068419.3/26

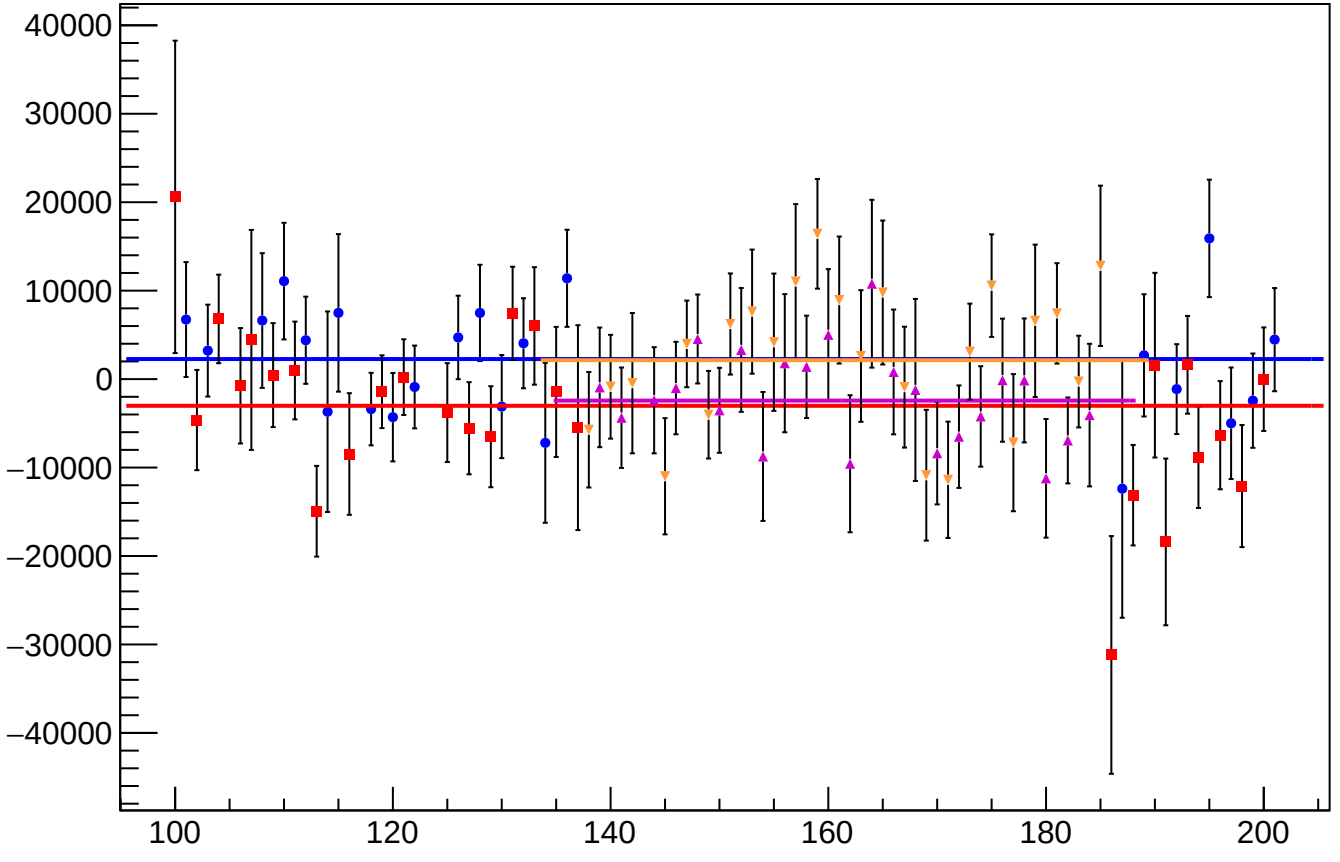
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4591.506+/-0.612 χ^2/NDF: 4896166.7/46

All: 4547.487+/-0.426 χ^2/NDF: 10389611.5/9

- sign 4506.205+/-0.593 χ^2/NDF: 5483415.8/49

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: -3015.946+/-1178.333 χ^2/NDF: 34.8/26

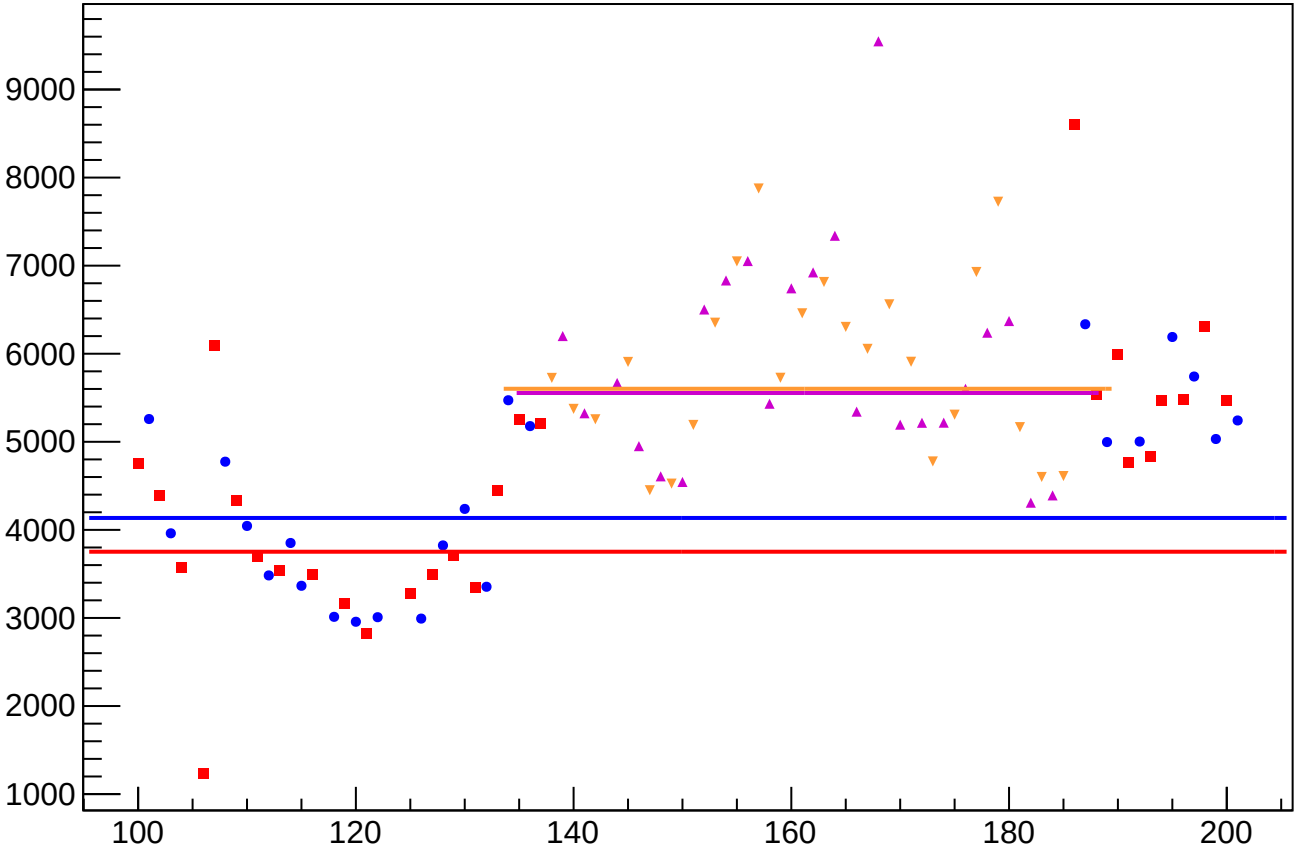
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2208.710+/-895.619 χ^2/NDF: 52.1/46

All: -318.847+/-627.471 χ^2/NDF: 115.5/96

- sign -2755.469+/-879.361 χ^2/NDF: 47.8/49

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: 3751.905+/-0.781 χ^2/NDF: 3443885.5/26

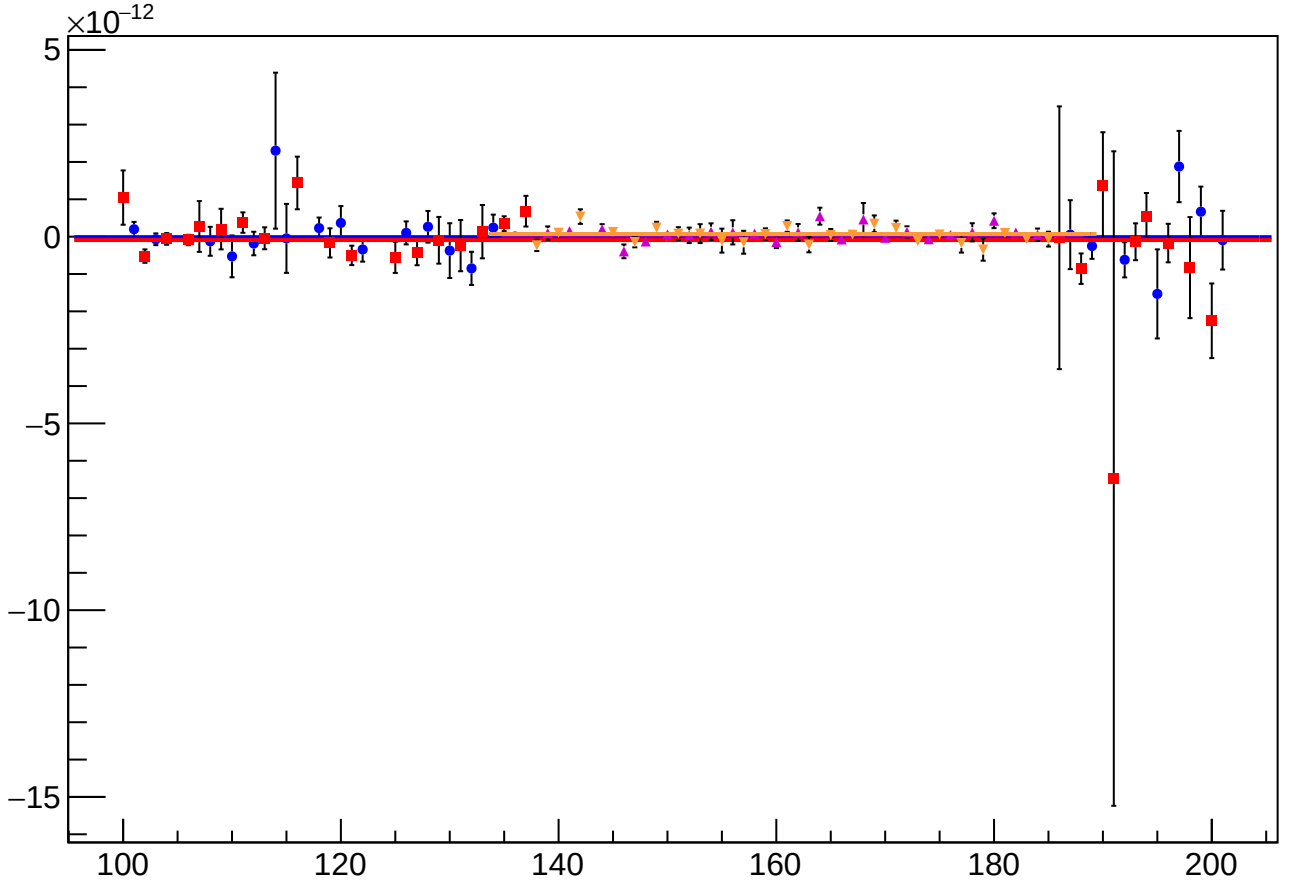
Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4806.194+/-0.633 χ^2/NDF: 3648767.5/46

All: 4640.795+/-0.435 χ^2/NDF: 10525685.4/9

- sign 4492.838+/-0.599 χ^2/NDF: 6747689.9/49

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



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: 40.7/26

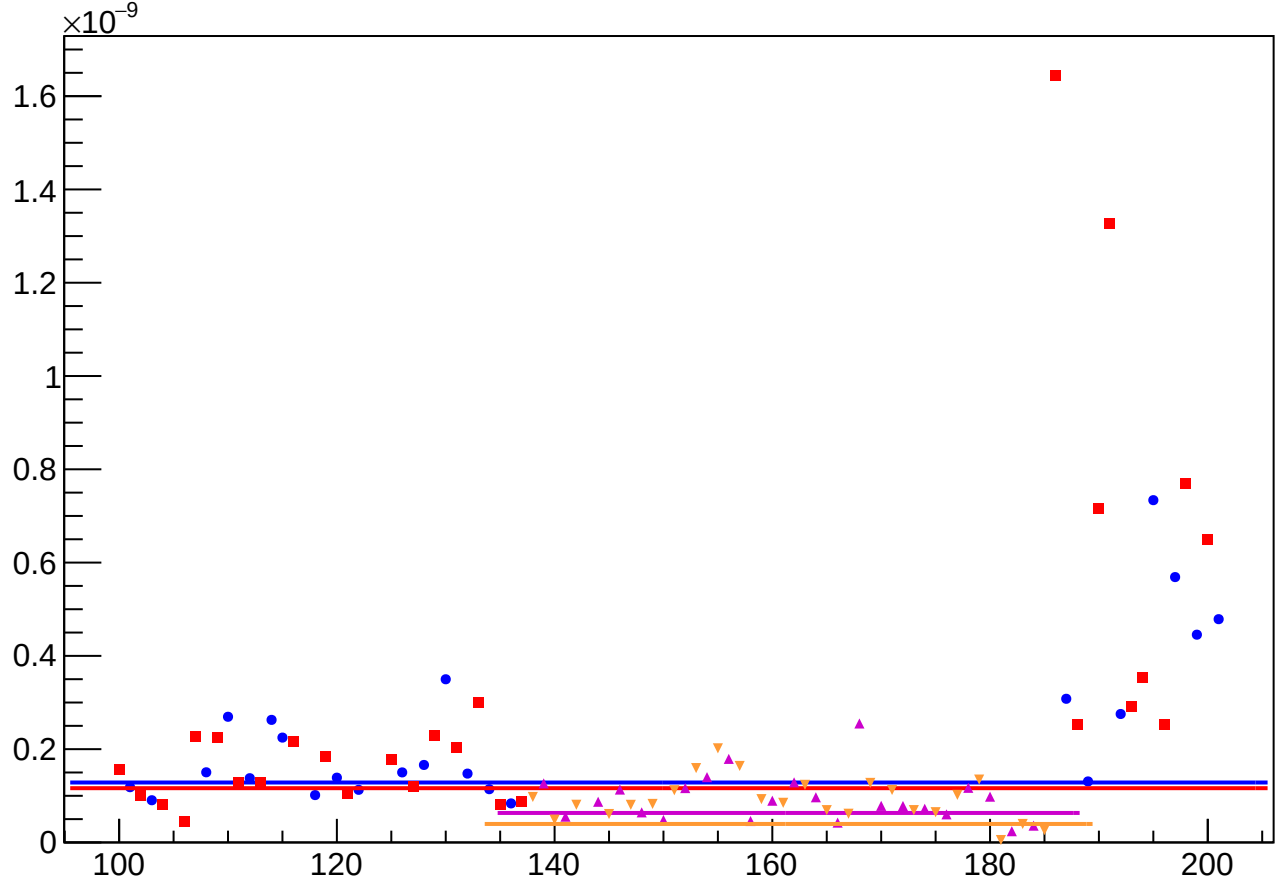
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.5/46

All: 0.000+/-0.000 χ^2/NDF: 121.0/96

- sign 0.000+/-0.000 χ^2/NDF: 70.5/49

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: 3938169.4/26

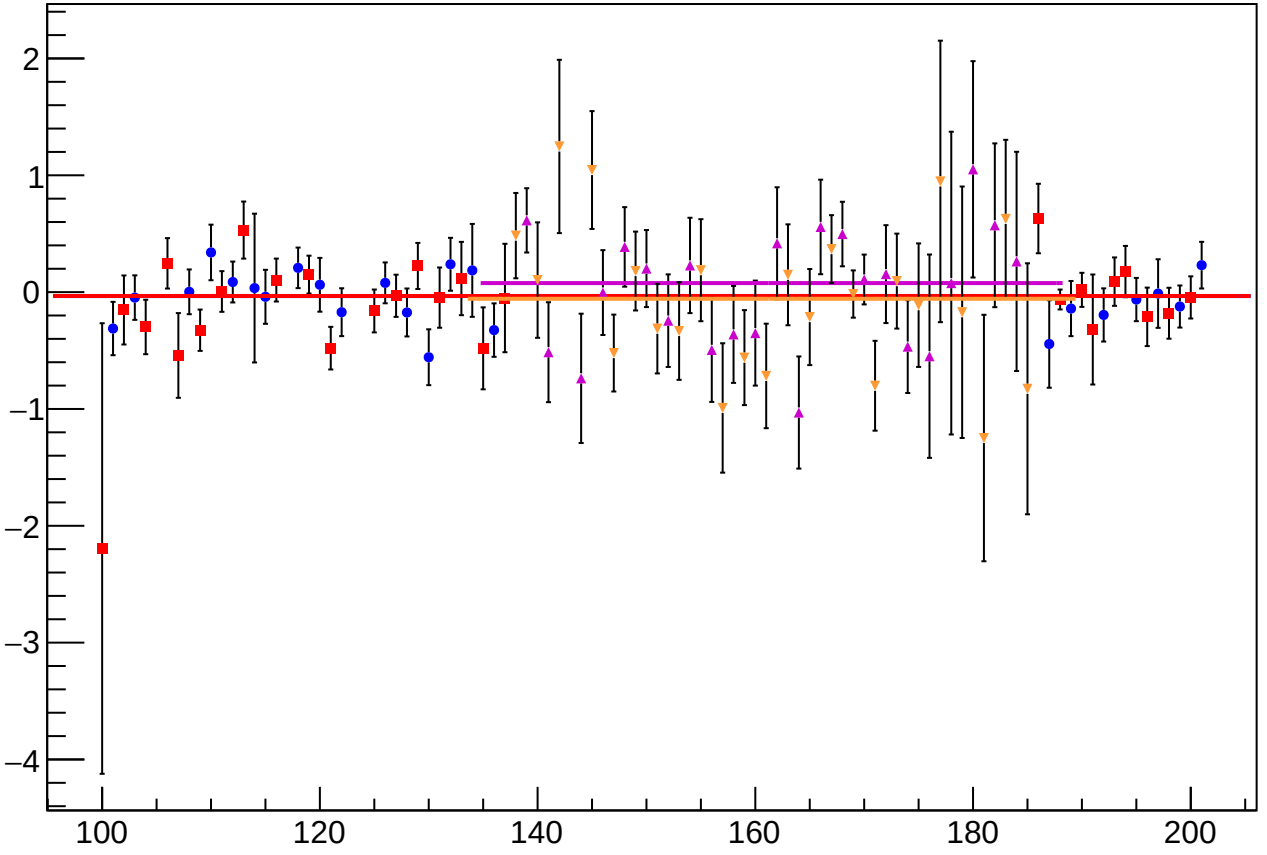
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12913503.2/46

All: 0.000+/-0.000 χ^2/NDF: 21976507.0/96

- sign 0.000+/-0.000 χ^2/NDF: 8040803.6/49

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

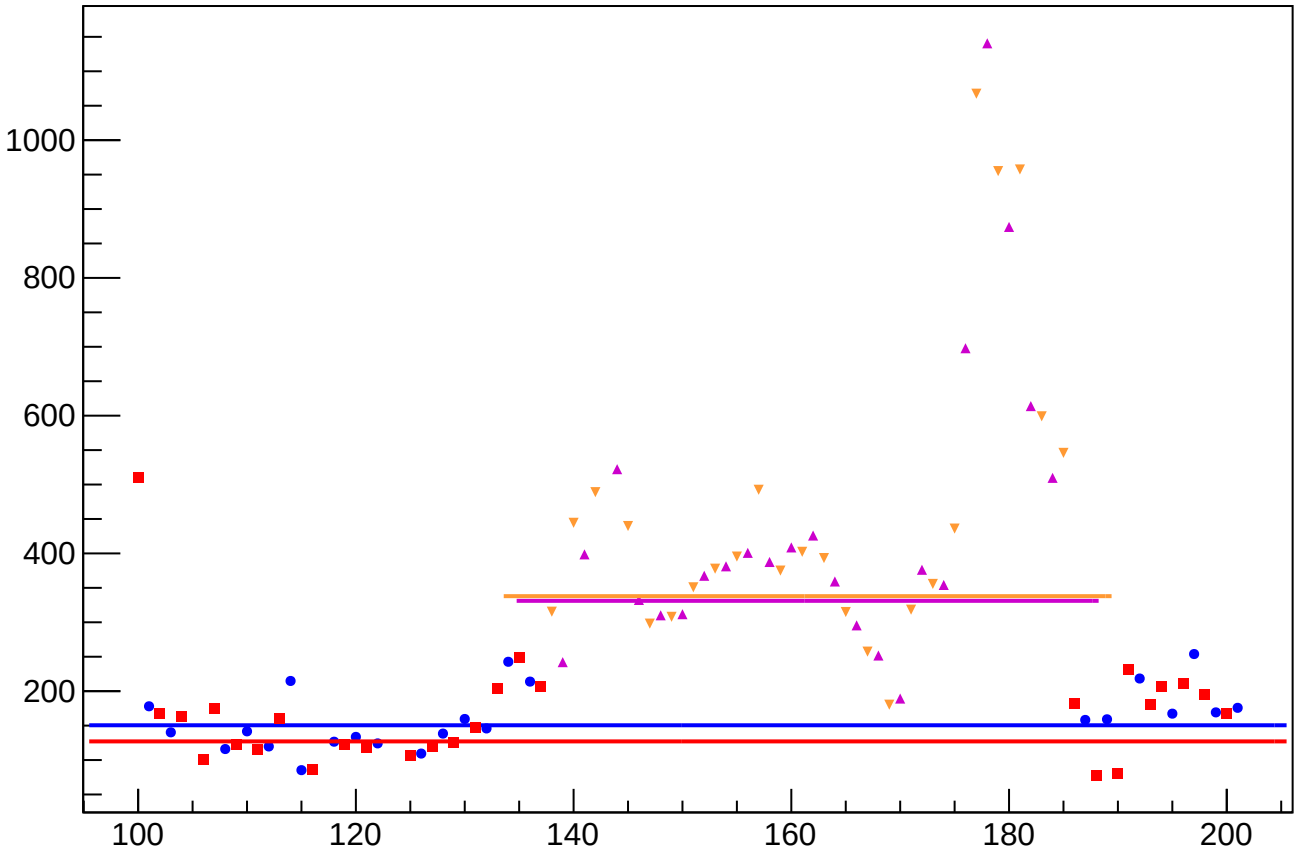
Right Out: -0.033+/-0.038 χ^2/NDF: 34.2/26

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.039+/-0.040 χ^2/NDF: 50.5/46

All: -0.024+/-0.026 χ^2/NDF: 113.3/96

- sign -0.014+/-0.035 χ^2/NDF: 62.7/49



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: 127.066+/-0.027 χ^2/NDF: 2821148.1/26

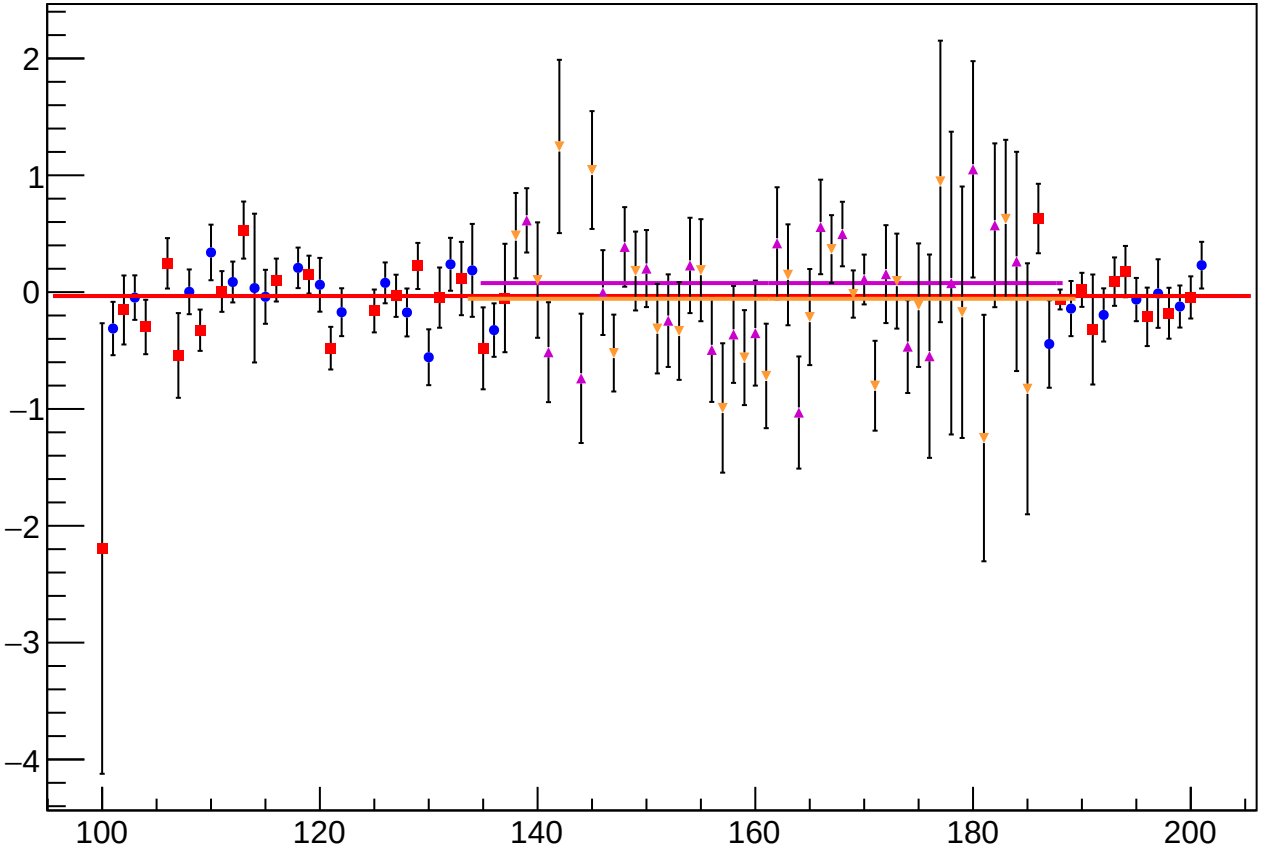
Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.001+/-0.028 χ^2/NDF: 13316068.6/46

All: 175.407+/-0.019 χ^2/NDF: 30713902.9/96

- sign 162.879+/-0.025 χ^2/NDF: 16800231.2/49

asym_usl_atl2_avg_dit_vs_eigen_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

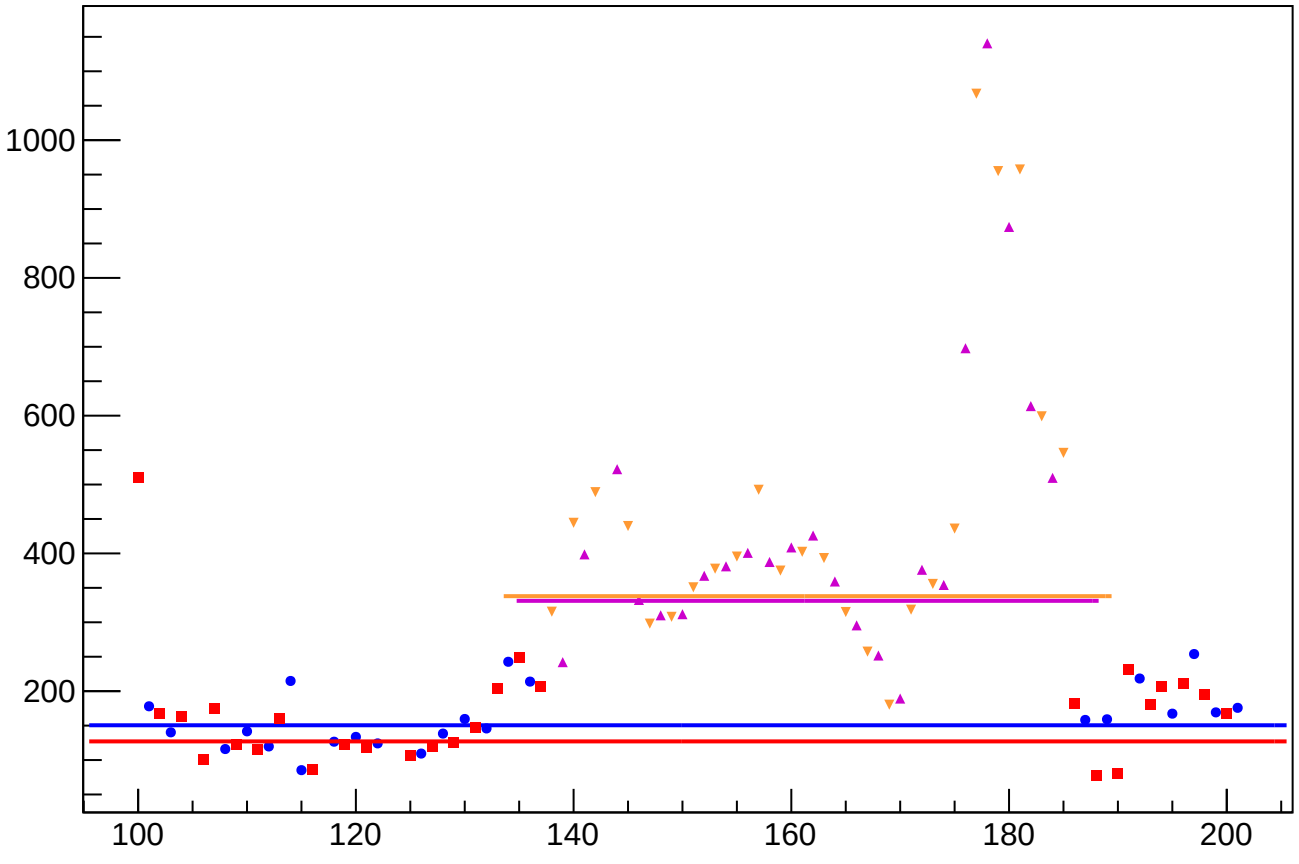
Right Out: -0.033+/-0.038 χ^2/NDF: 34.2/26

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.039+/-0.040 χ^2/NDF: 50.5/46

All: -0.024+/-0.026 χ^2/NDF: 113.3/96

- sign -0.014+/-0.035 χ^2/NDF: 62.7/49



Right In: 150.494+/-0.032 χ^2/NDF: 1307992.6/22

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

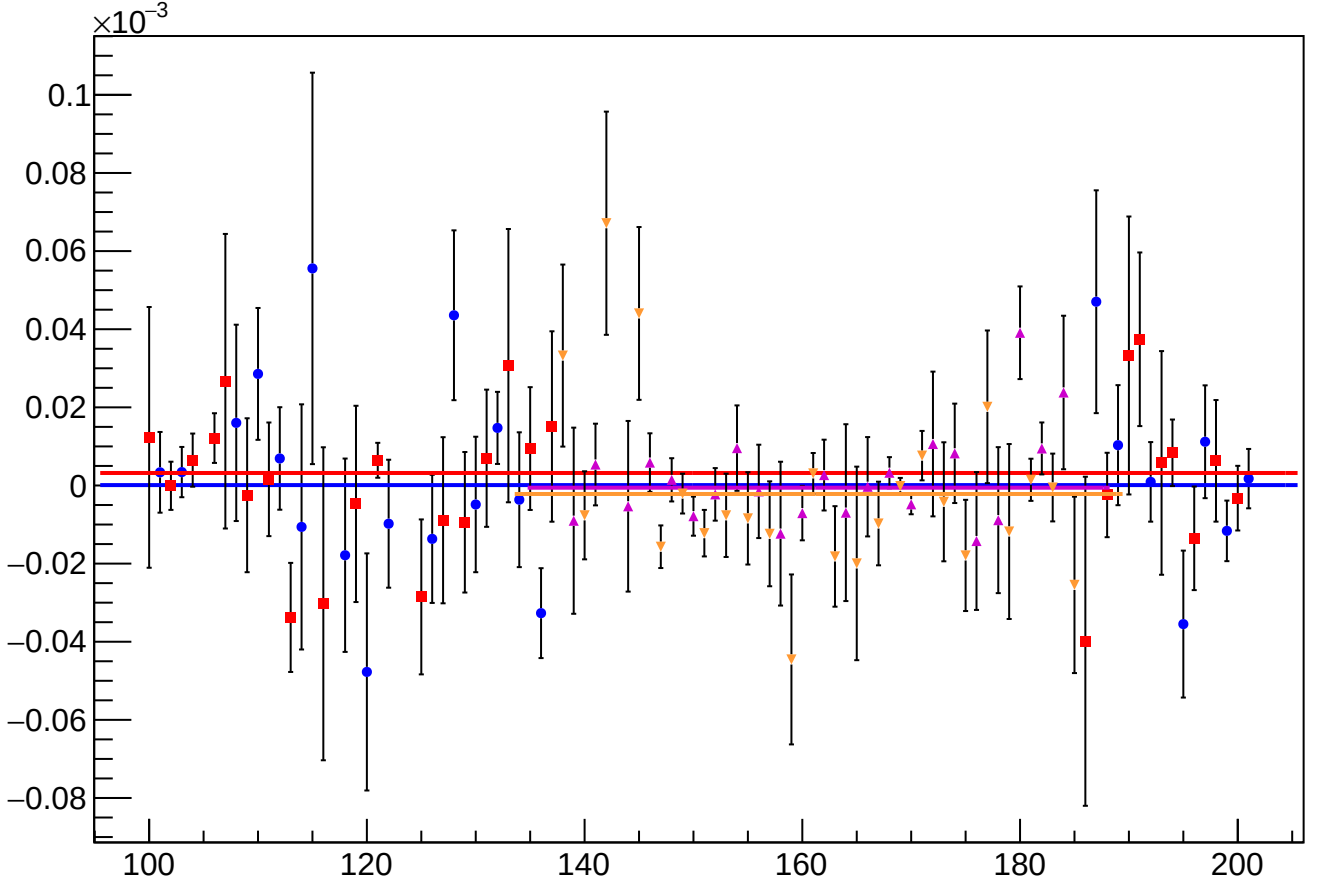
Right Out: 127.066+/-0.027 χ^2/NDF: 2821148.1/26

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 192.001+/-0.028 χ^2/NDF: 13316068.6/46

All: 175.407+/-0.019 χ^2/NDF: 30713902.9/96

- sign 162.879+/-0.025 χ^2/NDF: 16800231.2/49



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

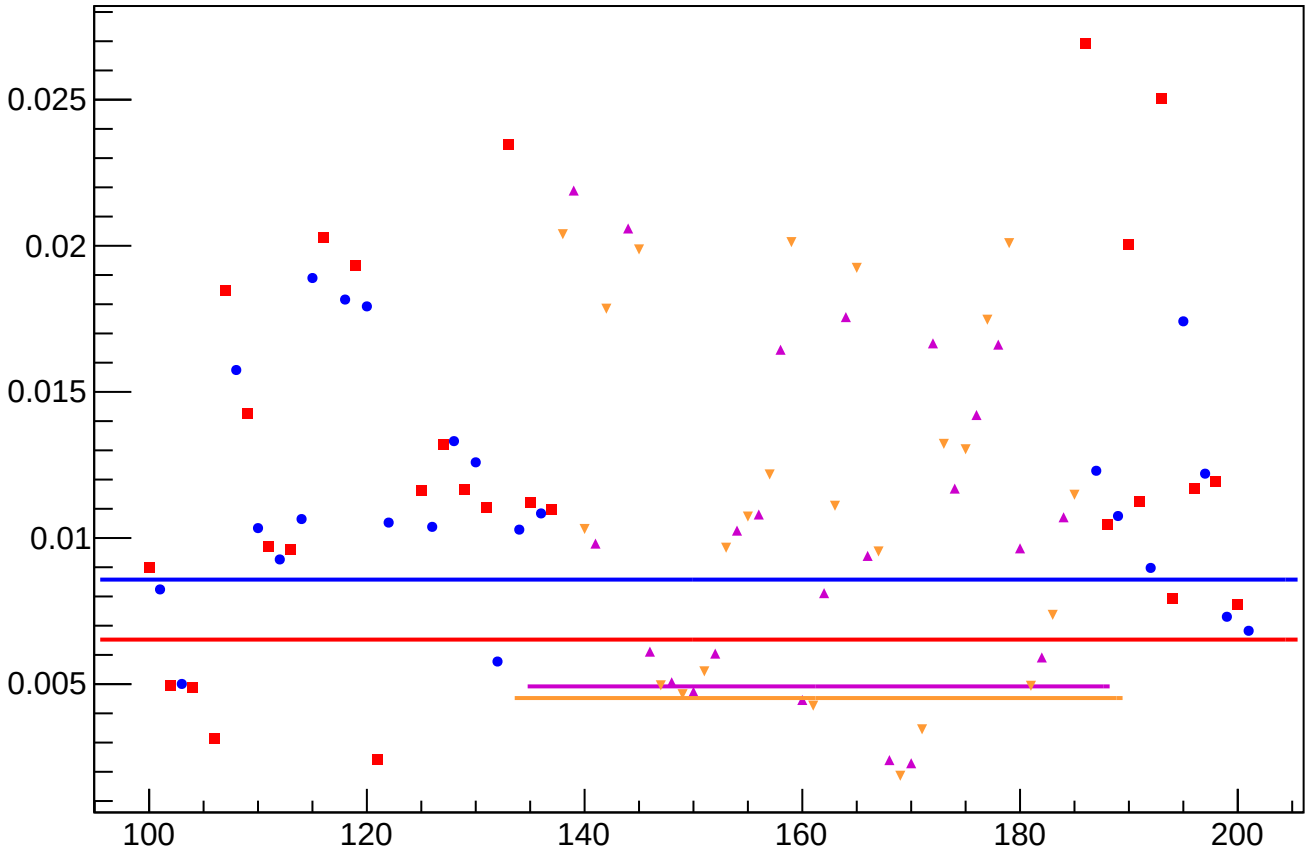
Right Out: 0.000+/-0.000 χ^2/NDF: 22.8/26

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: 125.0/96

- sign 0.000+/-0.000 χ^2/NDF: 51.1/49



Right In: 0.009+/-0.000 χ^2/NDF: 2732724.8/22

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

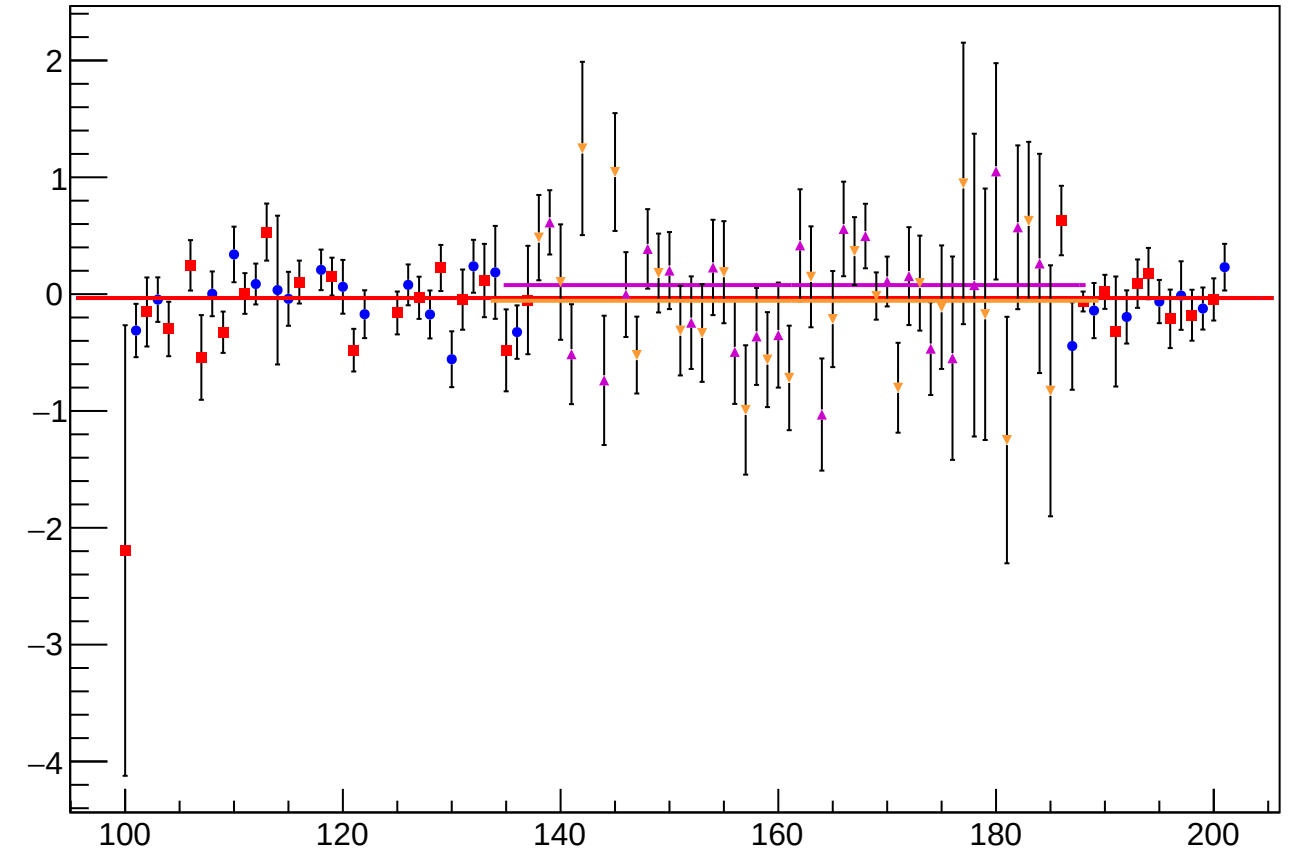
Right Out: 0.007+/-0.000 χ^2/NDF: 7899424.7/26

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

\+ sign 0.005+/-0.000 χ^2/NDF: 20597072.4/46

All: 0.005+/-0.000 χ^2/NDF: 40852982.8/96

\- sign 0.005+/-0.000 χ^2/NDF: 20255360.8/49



Right In: -0.034+/-0.046 χ^2/NDF: 20.0/22

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

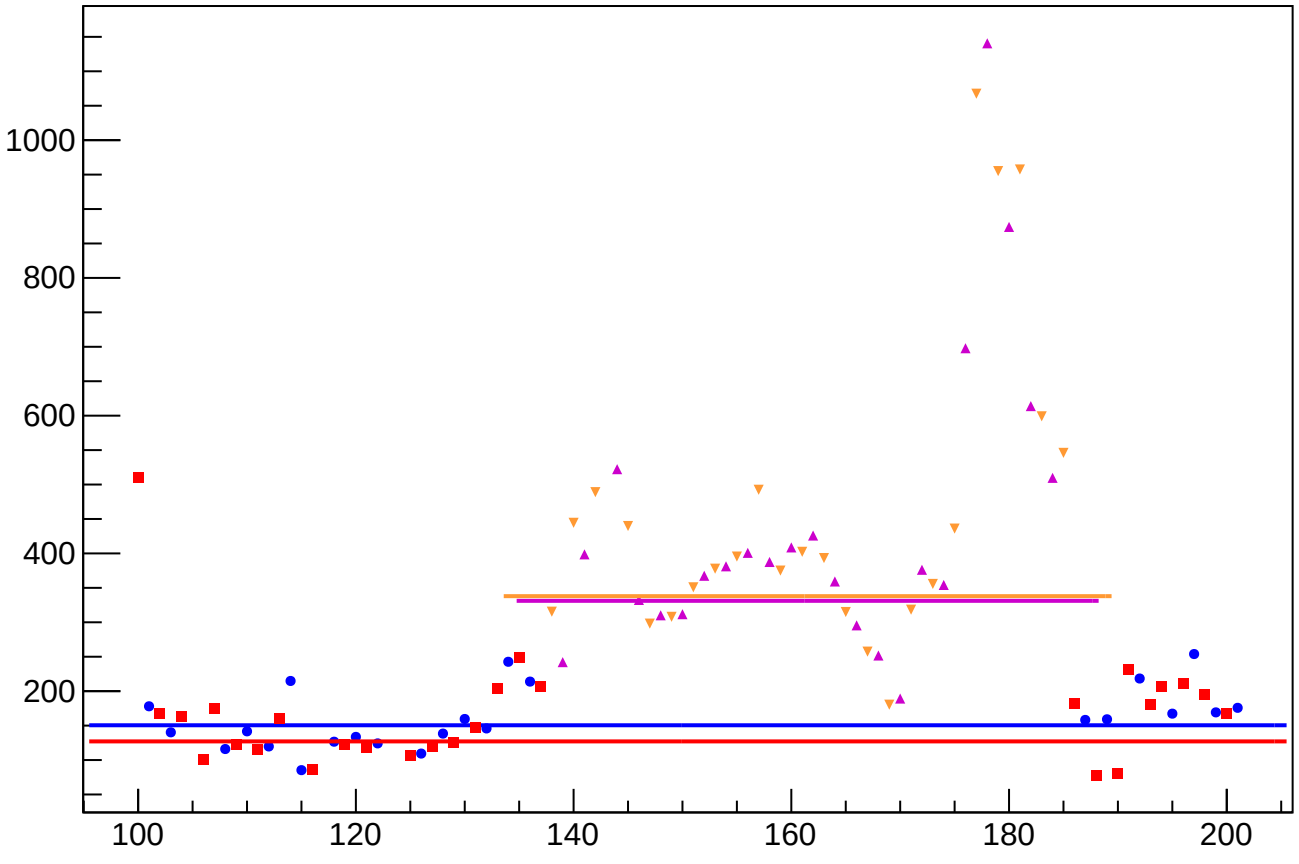
Right Out: -0.033+/-0.038 χ^2/NDF: 34.2/26

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.039+/-0.040 χ^2/NDF: 50.5/46

All: -0.024+/-0.026 χ^2/NDF: 113.3/96

- sign -0.014+/-0.035 χ^2/NDF: 62.7/49



Right In: 150.494+/-0.032 χ^2/NDF: 1307961.0/22

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

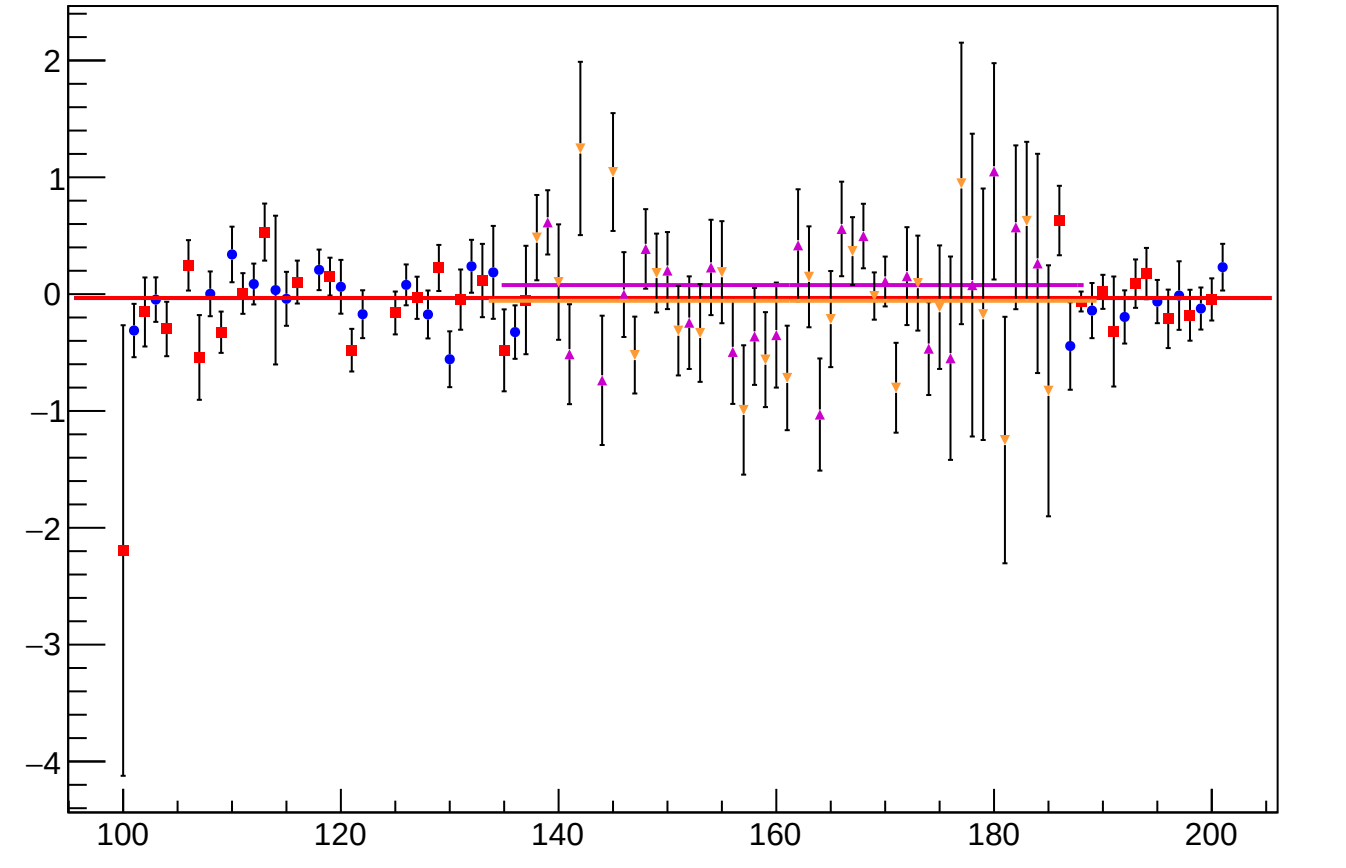
Right Out: 127.064+/-0.027 χ^2/NDF: 2821276.3/26

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.001+/-0.028 χ^2/NDF: 13316176.7/46

All: 175.406+/-0.019 χ^2/NDF: 30714565.7/96

- sign 162.877+/-0.025 χ^2/NDF: 16800697.9/49



Right In: -0.034+/-0.046 χ^2/NDF: 20.0/22

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

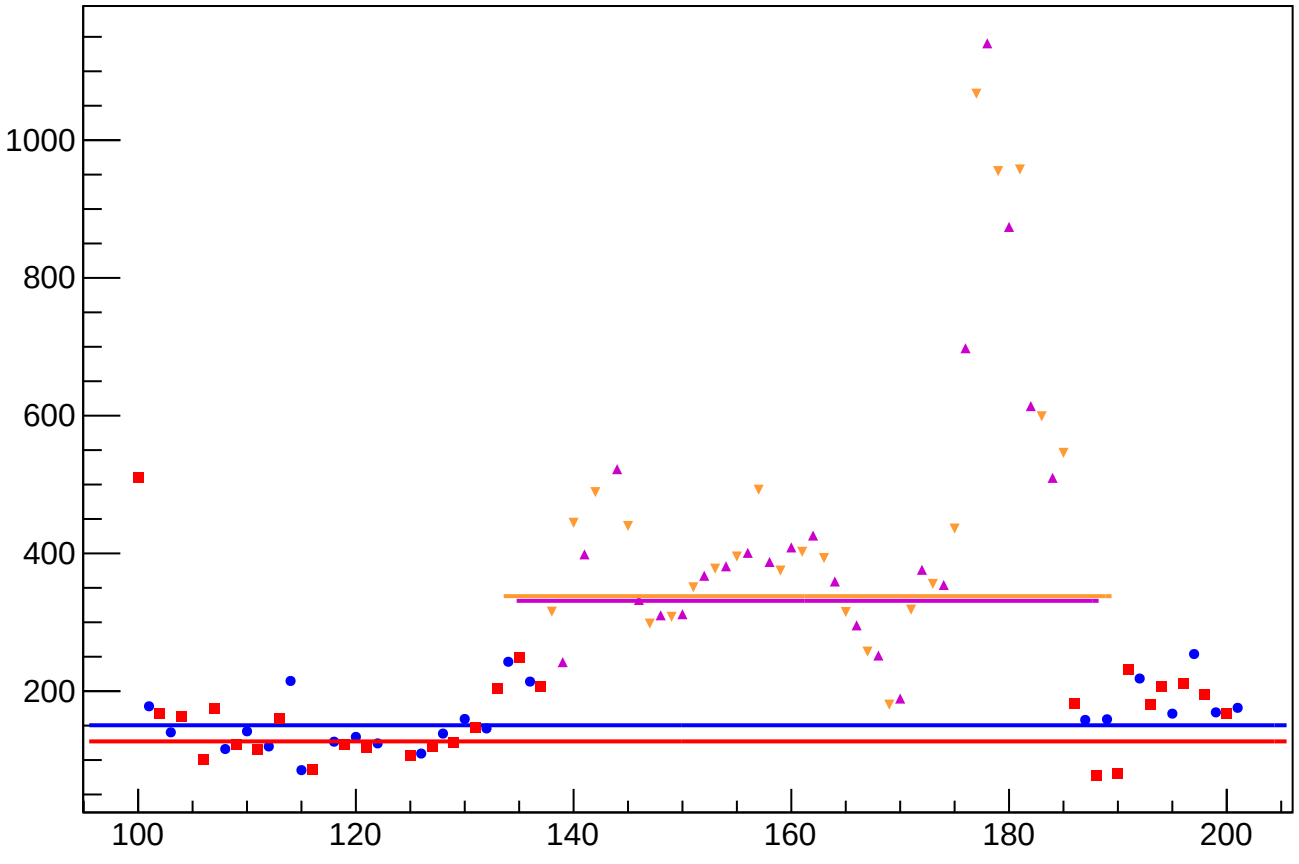
Right Out: -0.033+/-0.038 χ^2/NDF: 34.2/26

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.039+/-0.040 χ^2/NDF: 50.5/46

All: -0.024+/-0.026 χ^2/NDF: 113.3/96

- sign -0.014+/-0.035 χ^2/NDF: 62.7/49



Right In: 150.494+/-0.032 χ^2/NDF: 1307961.0/22

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

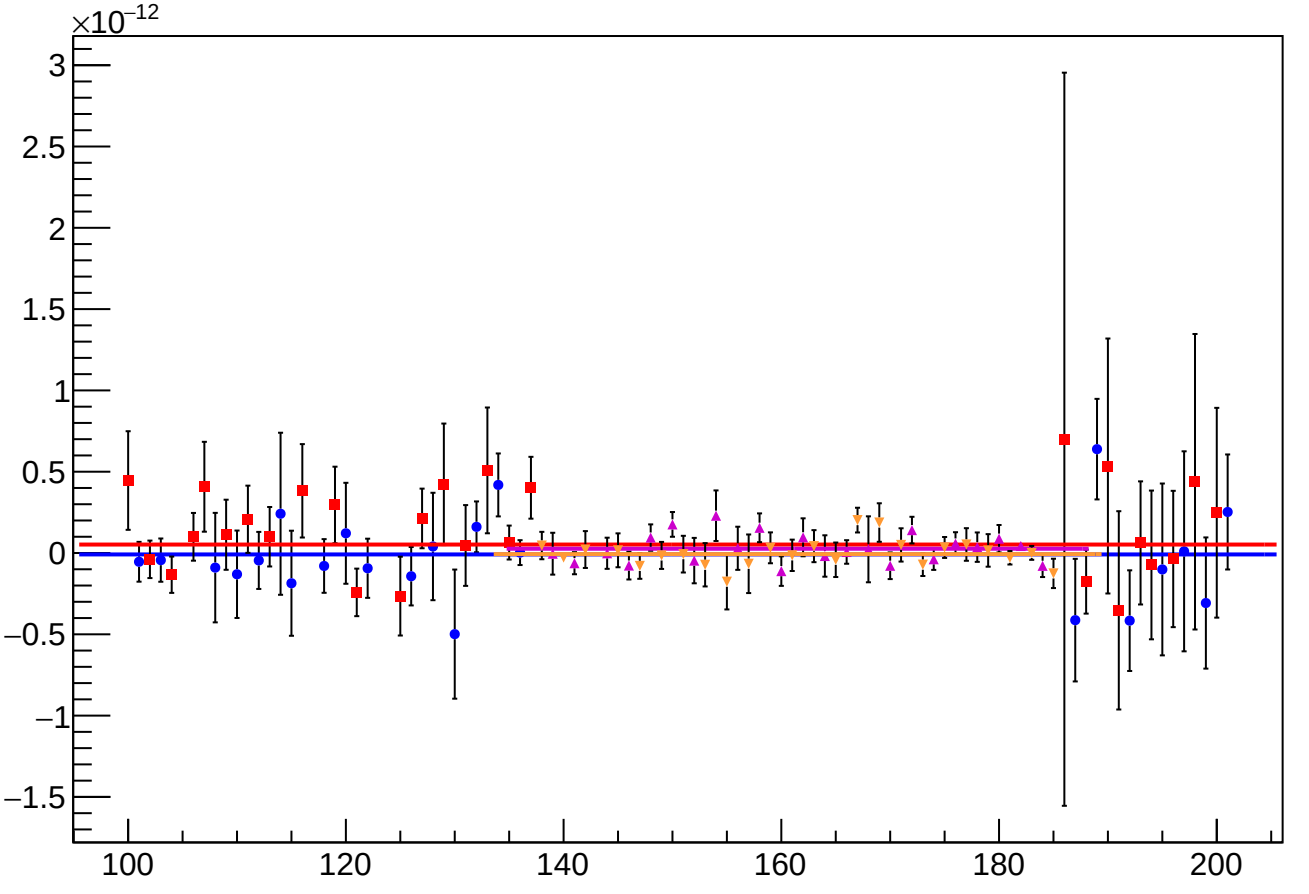
Right Out: 127.064+/-0.027 χ^2/NDF: 2821276.3/26

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 192.001+/-0.028 χ^2/NDF: 13316176.7/46

All: 175.406+/-0.019 χ^2/NDF: 30714565.7/96

- sign 162.877+/-0.025 χ^2/NDF: 16800697.9/49



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

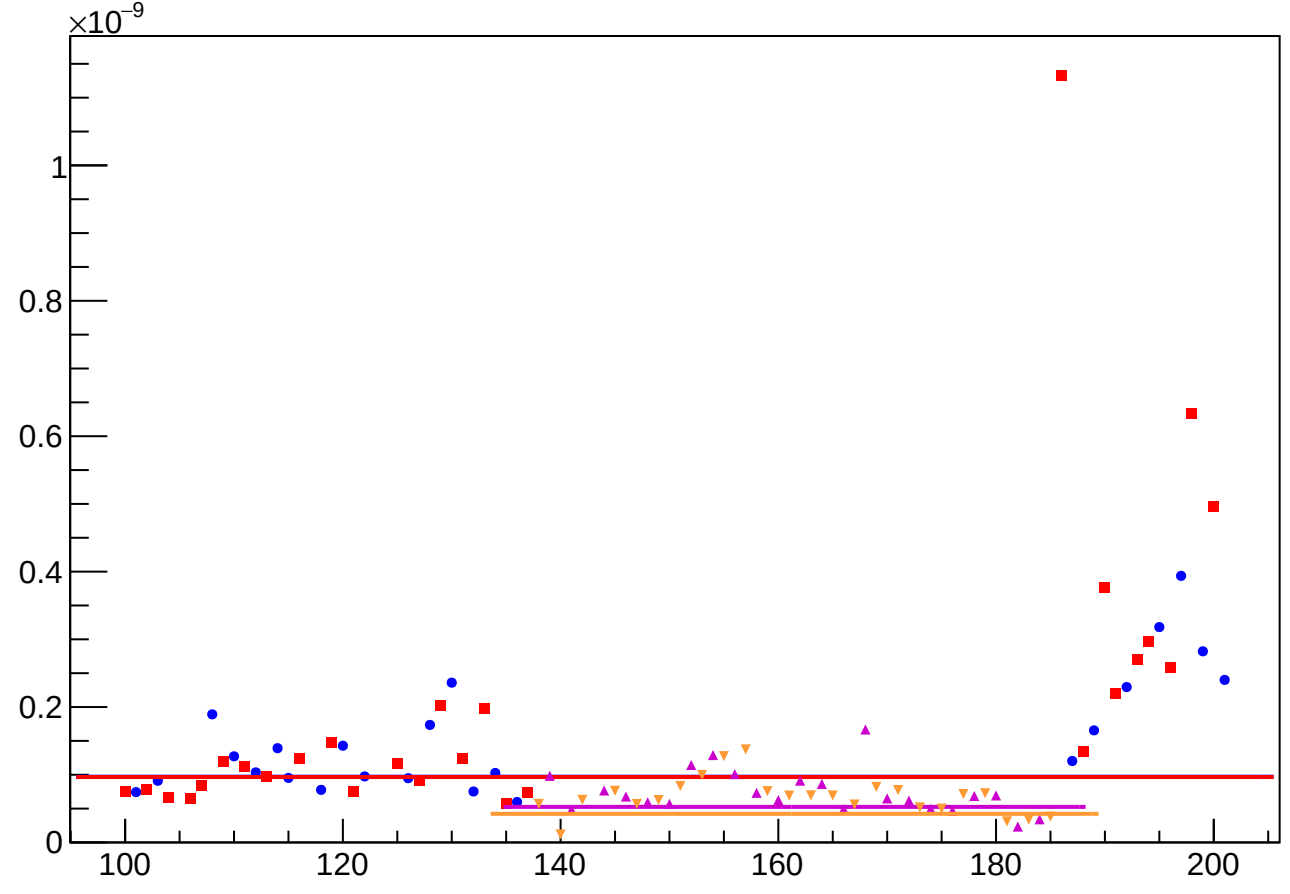
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/26

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: 87.7/96

- sign 0.000+/-0.000 χ^2/NDF: 48.0/49



Right In: 0.000+/-0.000 χ^2/NDF: 3241966.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

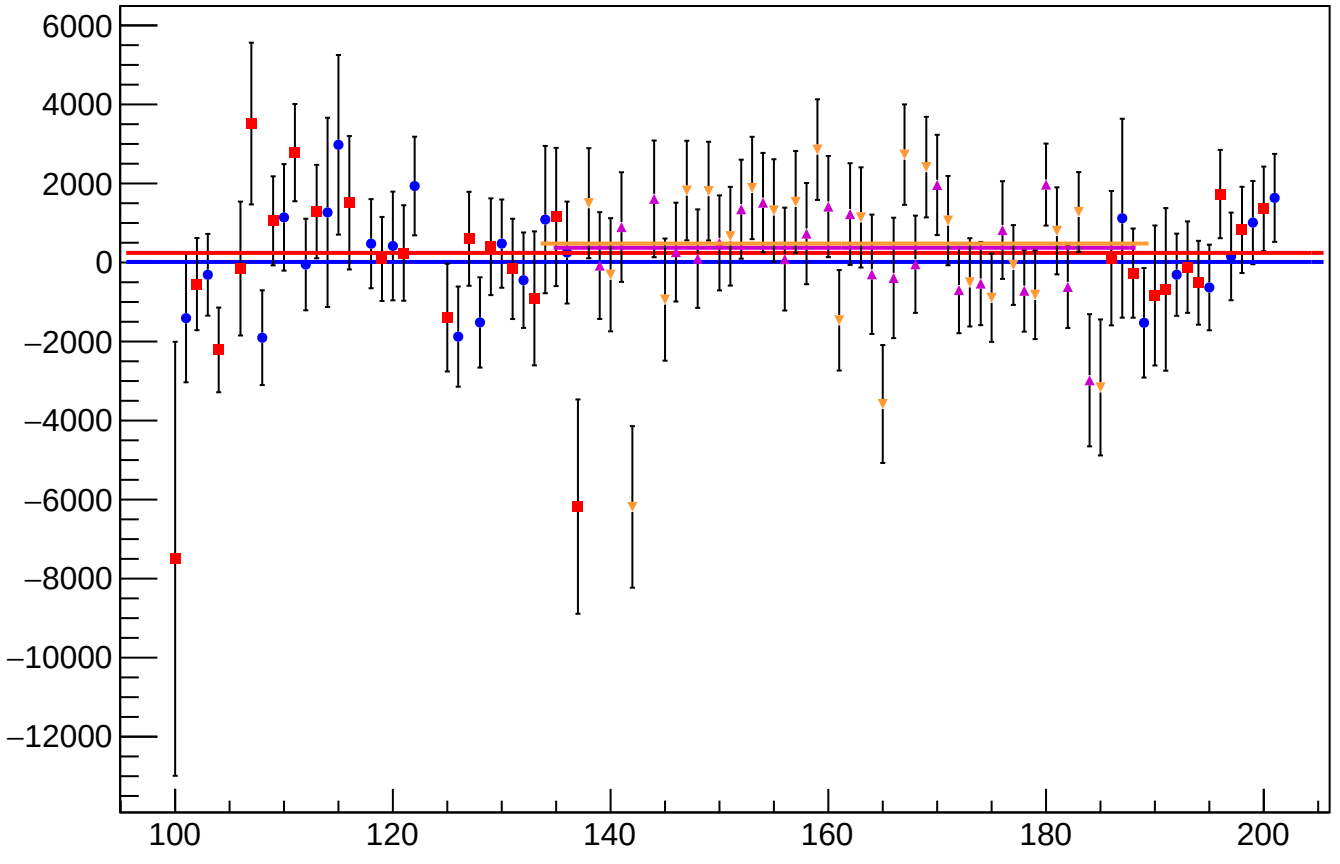
Right Out: 0.000+/-0.000 χ^2/NDF: 4533267.6/26

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: 25196077.0/96

- sign 0.000+/-0.000 χ^2/NDF: 11521558.7/49



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: 242.738+/-254.069 χ^2/NDF: 29.0/26

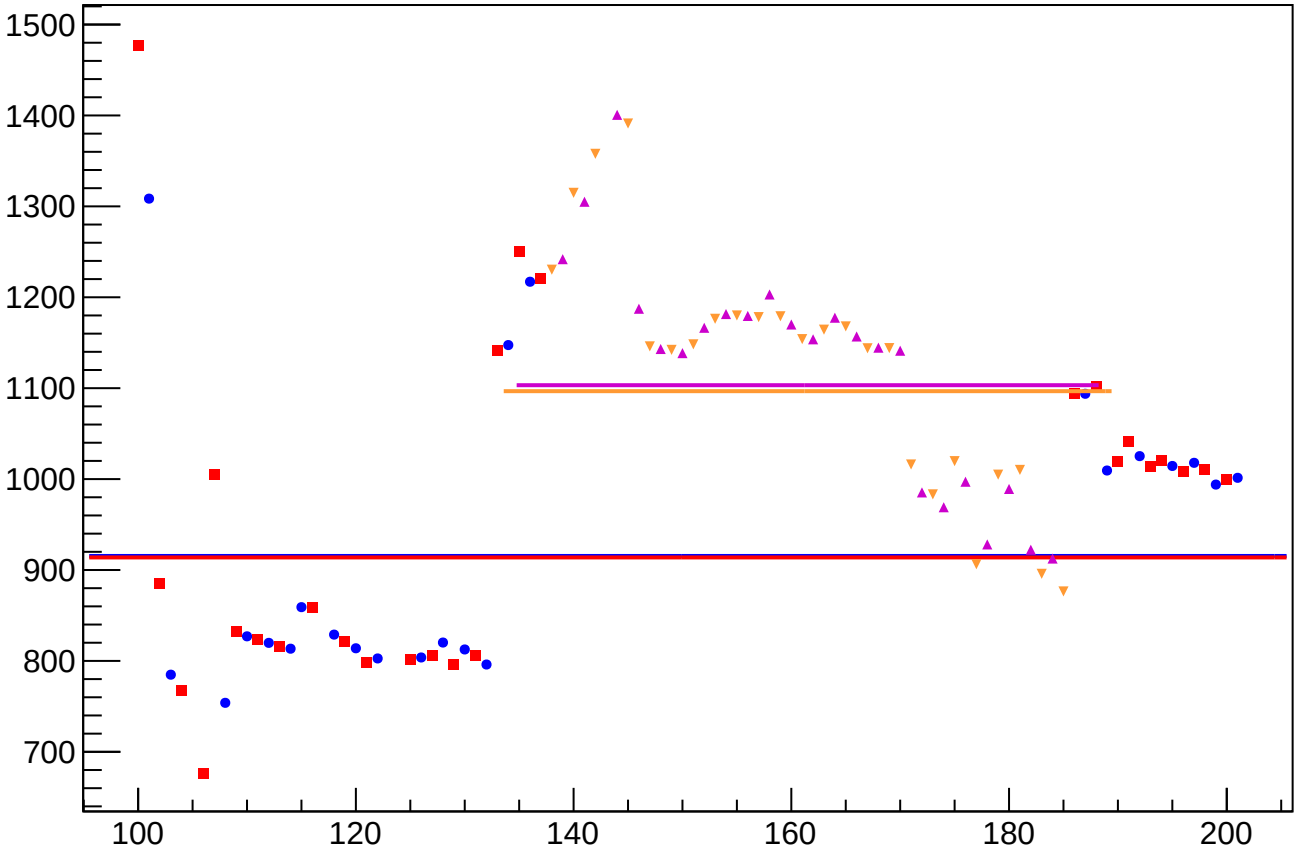
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 253.394+/-183.825 χ^2/NDF: 65.1/46

All: 280.289+/-129.147 χ^2/NDF: 110.3/96

- sign 306.502+/-181.480 χ^2/NDF: 45.1/49

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: 913.831+/-0.178 χ^2/NDF: 570938.4/26

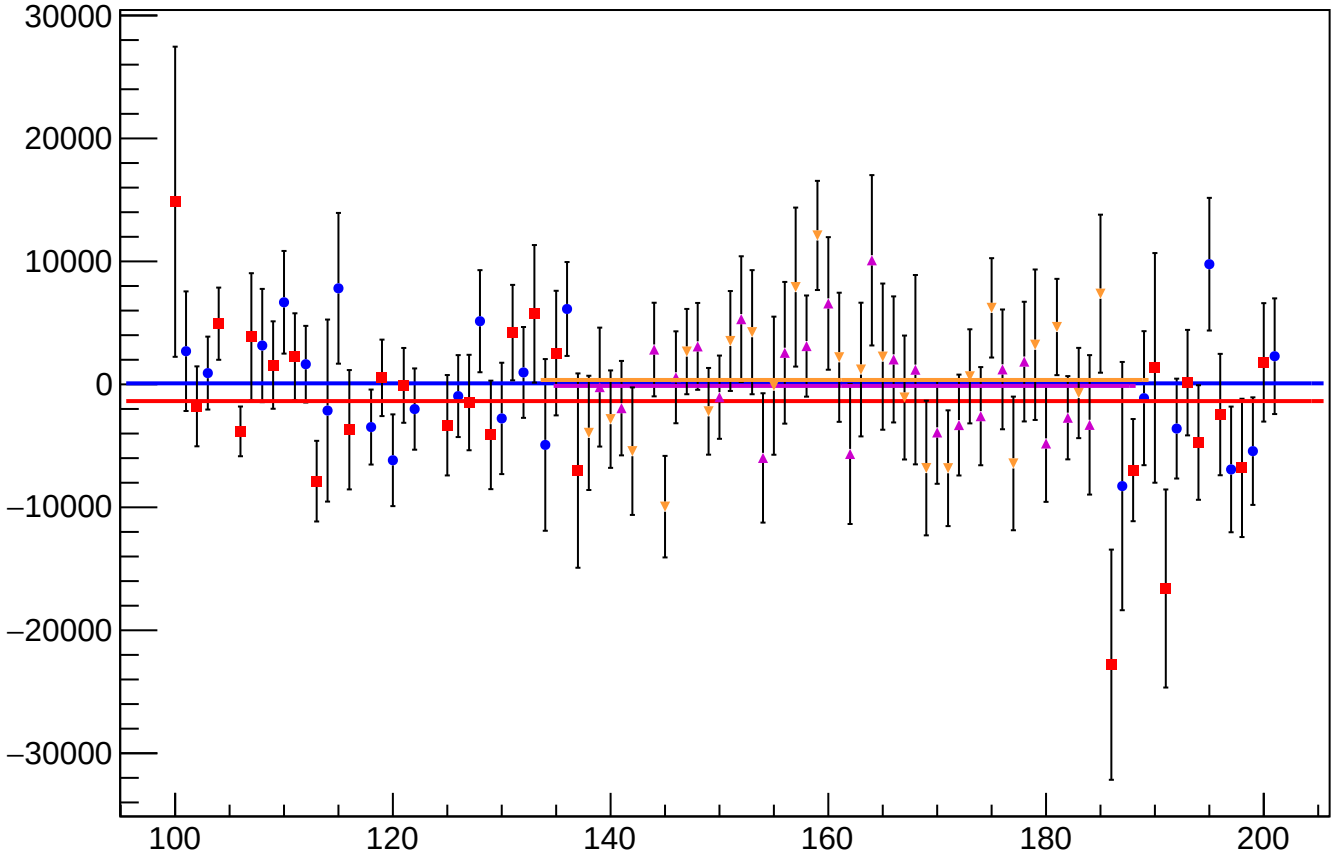
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1008.665+/-0.130 χ^2/NDF: 1522574.6/46

All: 1007.251+/-0.091 χ^2/NDF: 3090093.2/96

- sign 1005.883+/-0.128 χ^2/NDF: 1567285.6/49

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: -1360.462+/-778.735 χ^2/NDF: 33.4/26

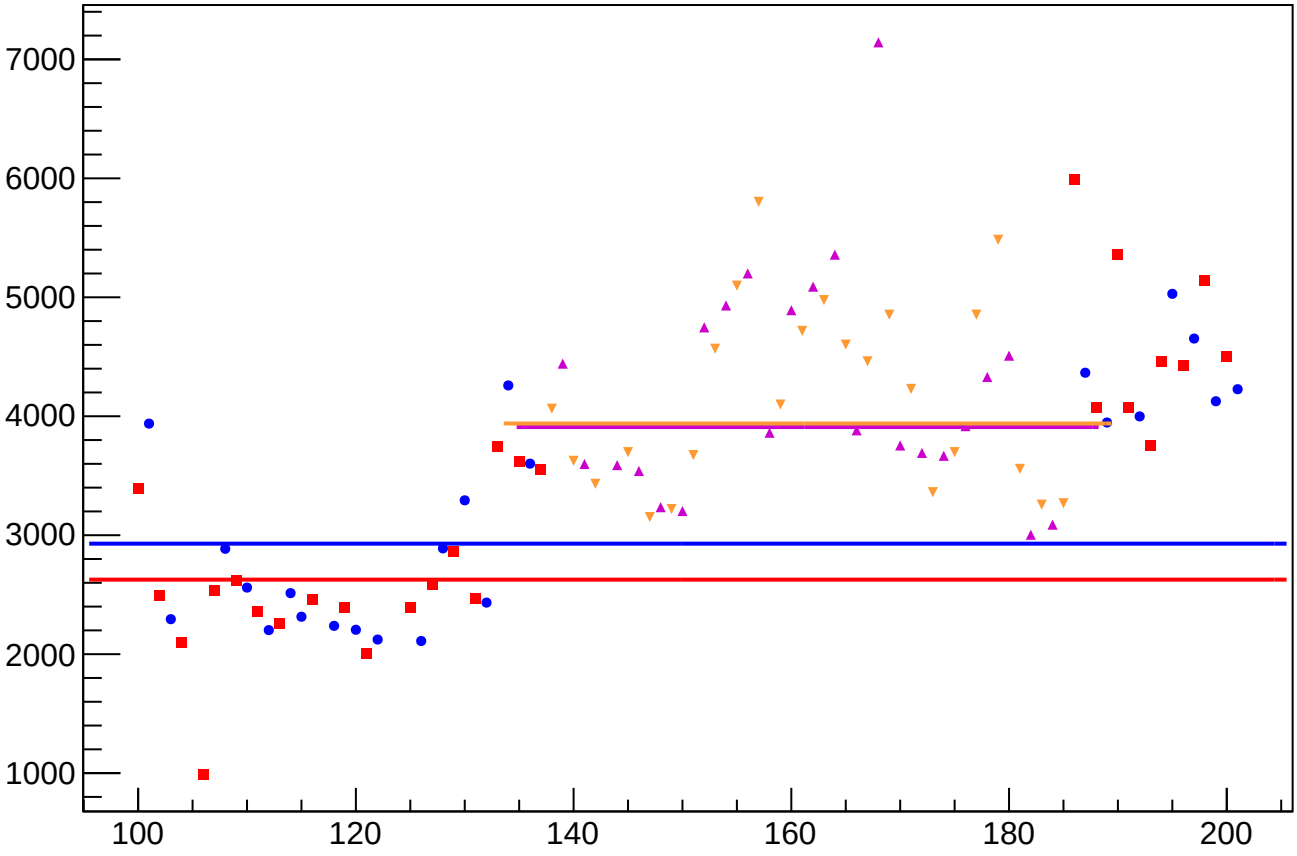
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 210.835+/-637.767 χ^2/NDF: 53.6/46

All: -355.839+/-436.138 χ^2/NDF: 103.3/96

- sign -853.646+/-597.758 χ^2/NDF: 48.2/49

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

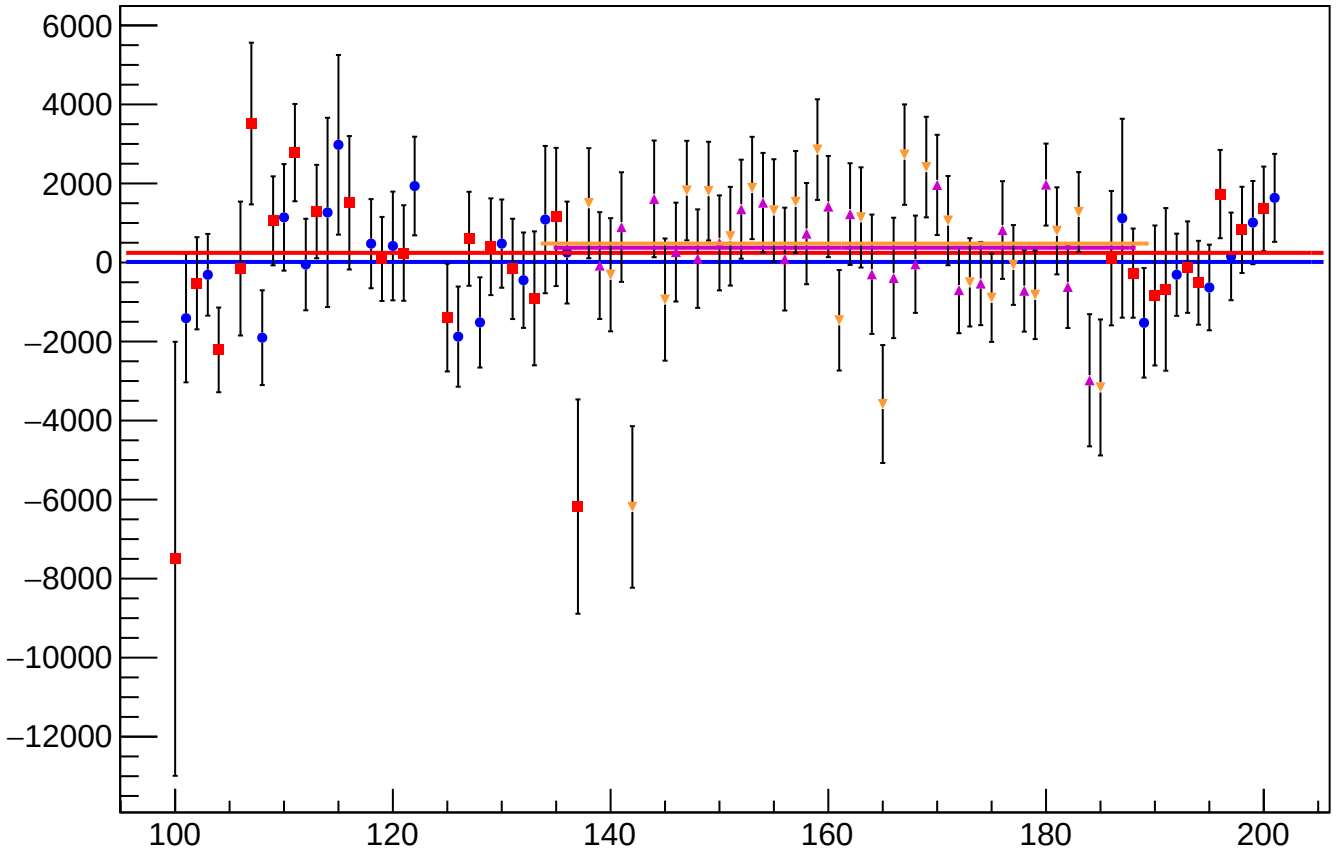
Right Out: 2626.664+/-0.551 χ^2/NDF: 3874742.8/26

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3399.839+/-0.451 χ^2/NDF: 4353564.5/46

All: 3268.694+/-0.308 χ^2/NDF: 11916182.0/9

- sign 3153.487+/-0.423 χ^2/NDF: 7403758.8/49



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: 243.766+/-254.071 χ^2/NDF: 28.9/26

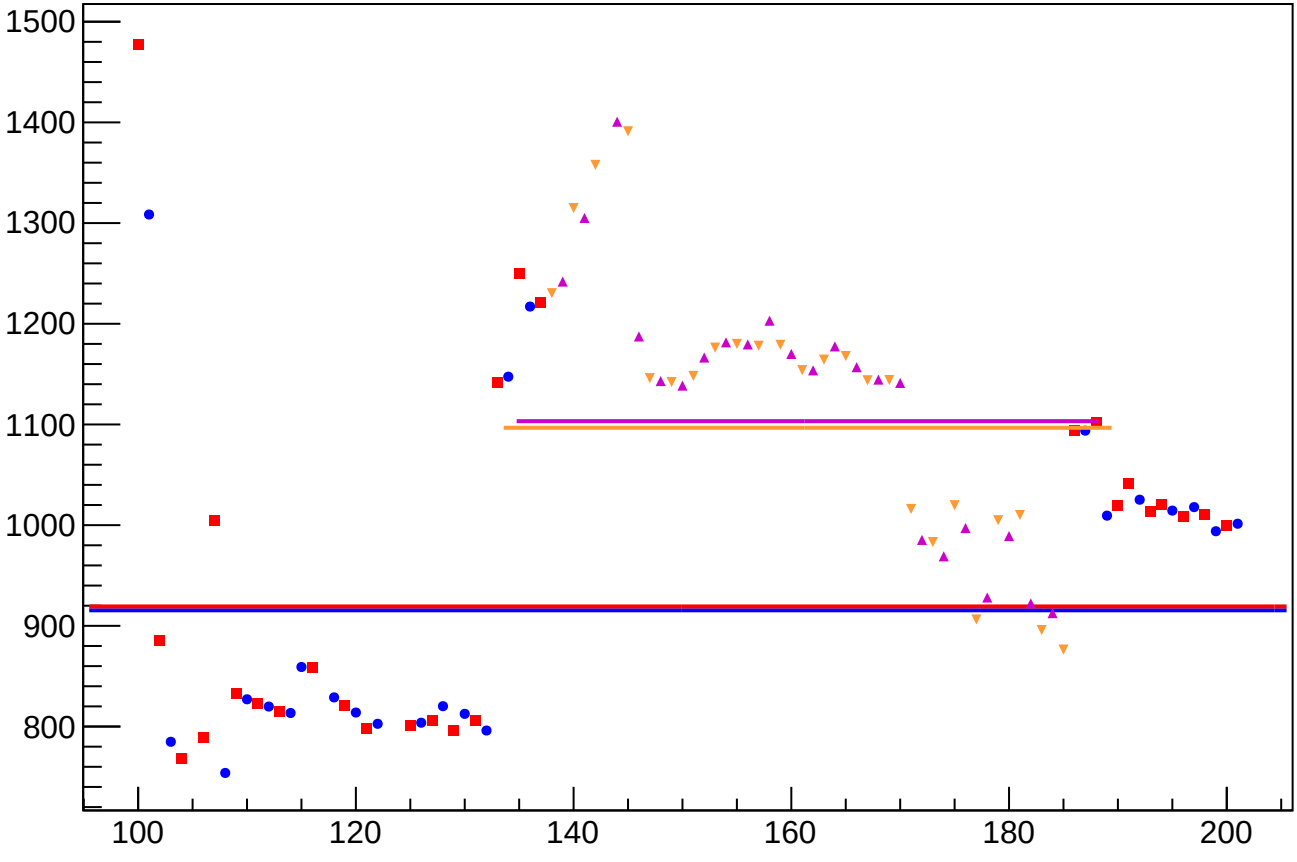
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 253.403+/-183.825 χ^2/NDF: 65.1/46

All: 280.553+/-129.147 χ^2/NDF: 110.3/96

- sign 307.015+/-181.481 χ^2/NDF: 45.1/49

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: 919.281+/-0.179 χ^2/NDF: 516887.6/26

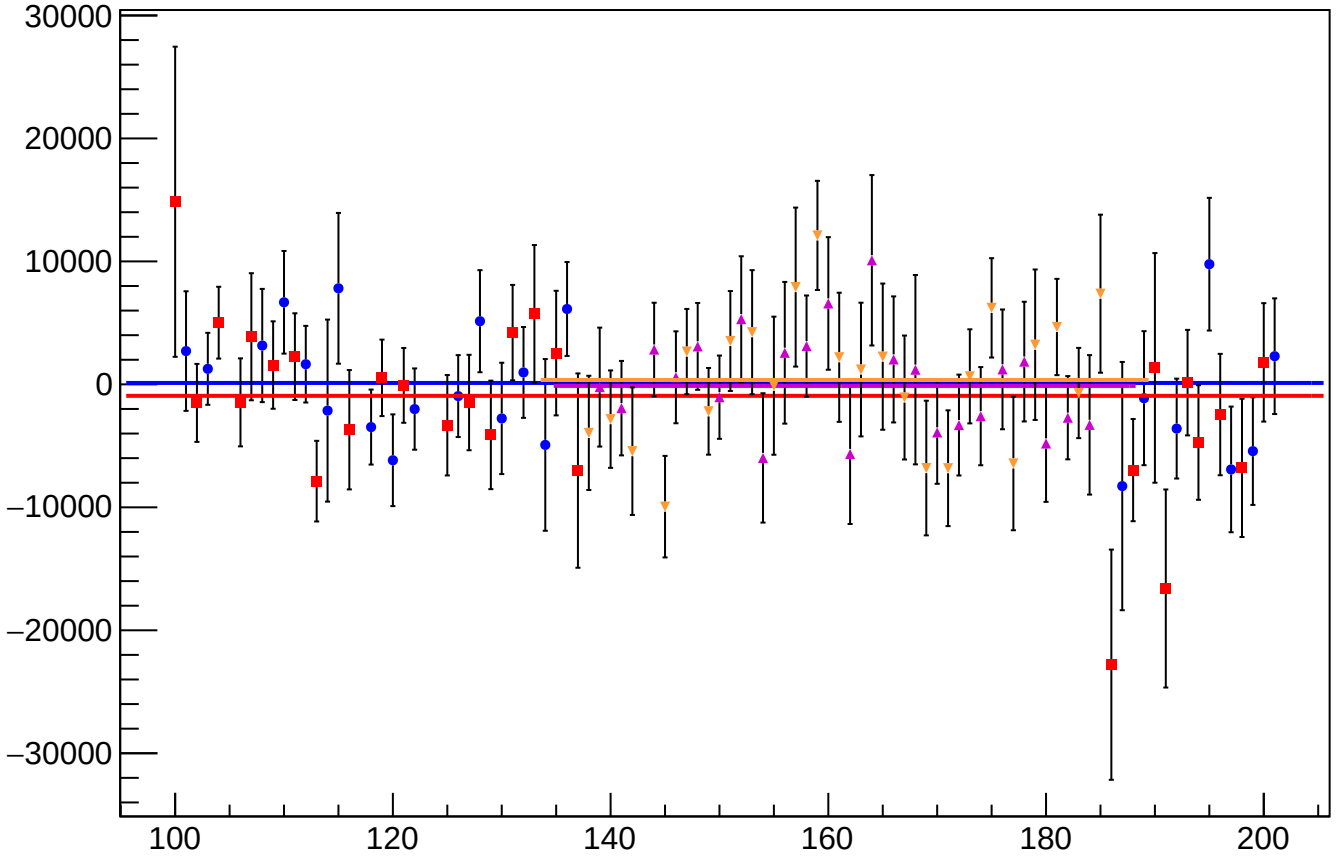
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.665+/-0.130 χ^2/NDF: 1522574.7/46

All: 1008.888+/-0.091 χ^2/NDF: 3002397.8/96

- sign 1009.105+/-0.128 χ^2/NDF: 1479817.3/49

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: -931.850+/-819.653 χ^2/NDF: 31.8/26

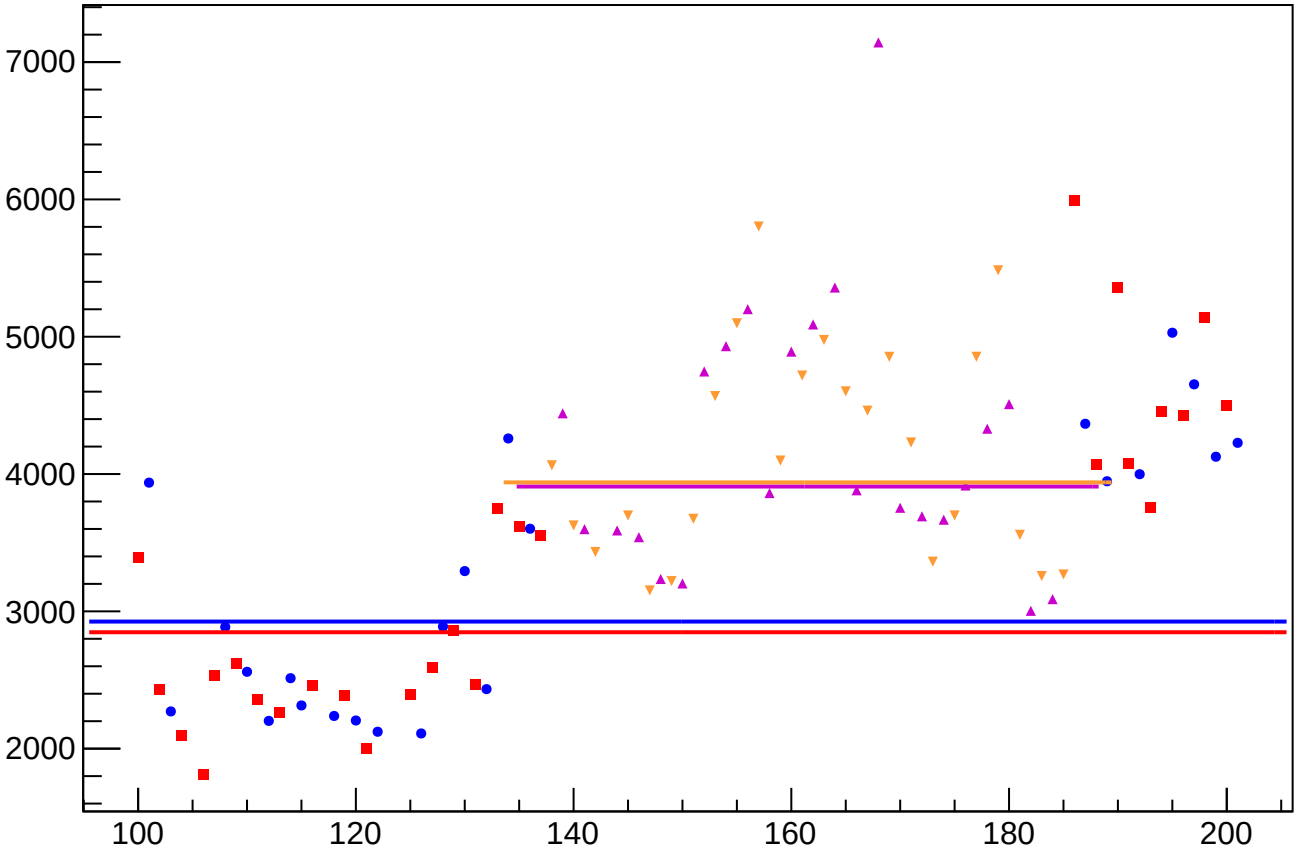
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 228.372+/-637.374 χ^2/NDF: 53.7/46

All: -190.299+/-442.821 χ^2/NDF: 100.5/96

- sign -580.949+/-615.676 χ^2/NDF: 46.0/49

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

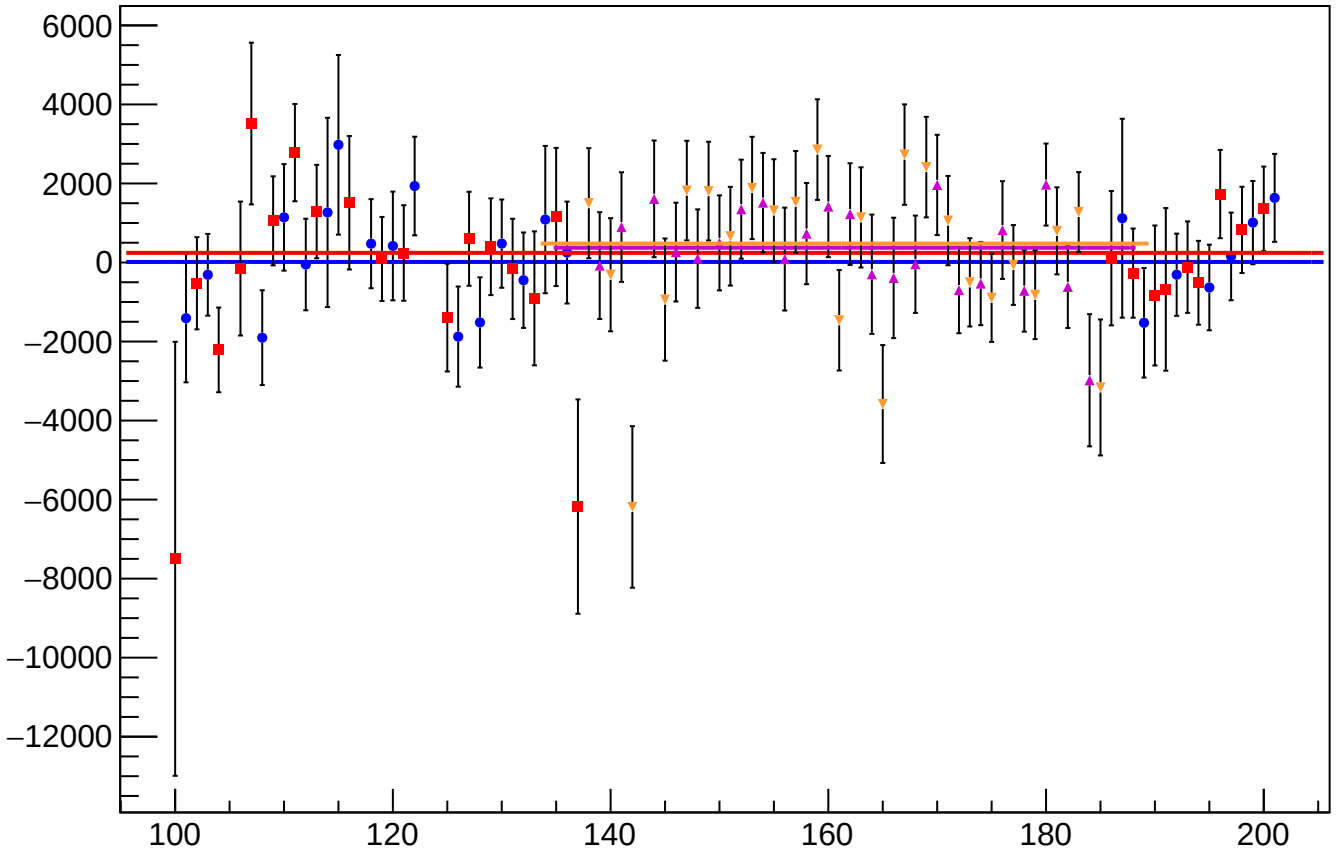
Right Out: 2847.785+/-0.580 χ^2/NDF: 2524833.6/26

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3397.375+/-0.451 χ^2/NDF: 4372903.4/46

All: 3352.331+/-0.313 χ^2/NDF: 9679175.9/96

- sign 3310.302+/-0.435 χ^2/NDF: 5286963.7/49



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: 243.766+/-254.071 χ^2/NDF: 28.9/26

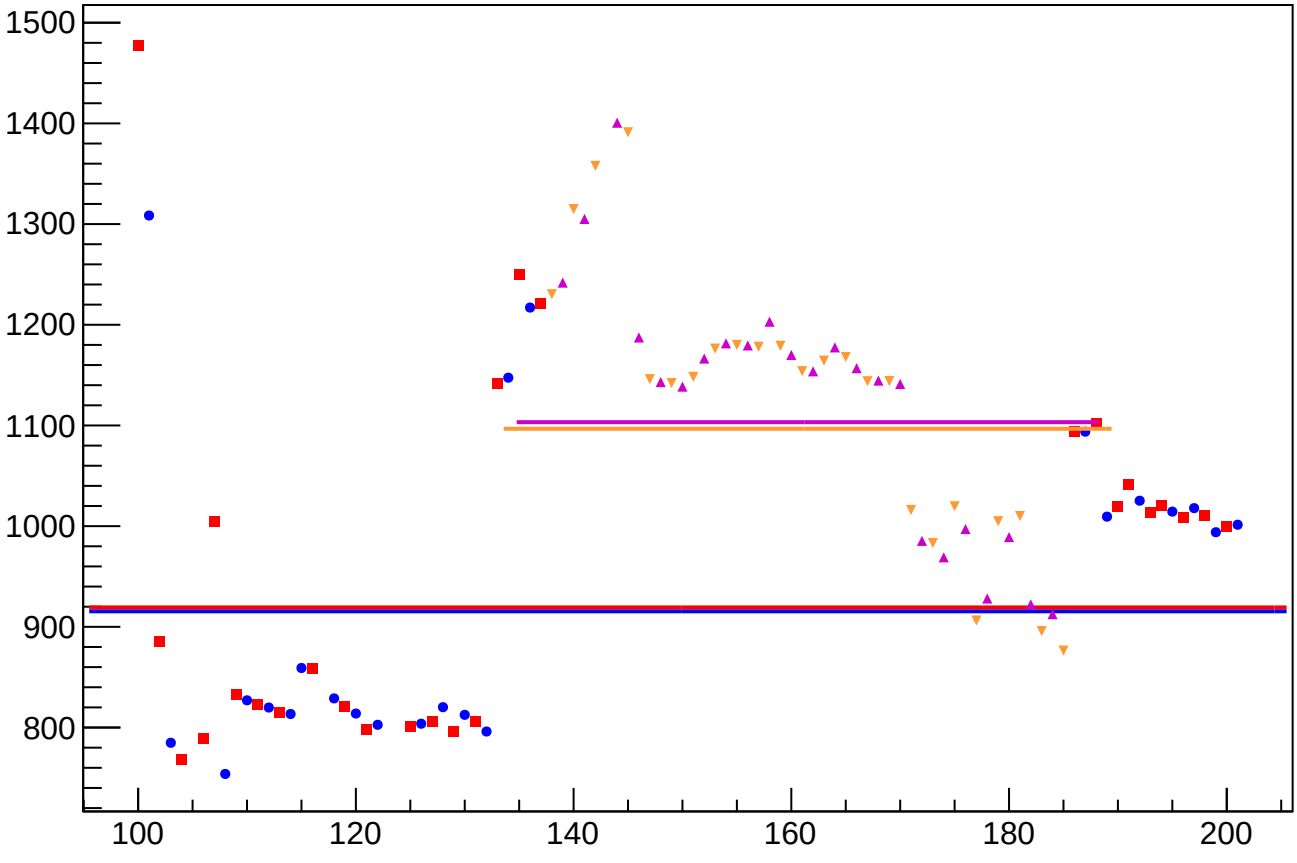
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 253.403+/-183.825 χ^2/NDF: 65.1/46

All: 280.553+/-129.147 χ^2/NDF: 110.3/96

- sign 307.015+/-181.481 χ^2/NDF: 45.1/49

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

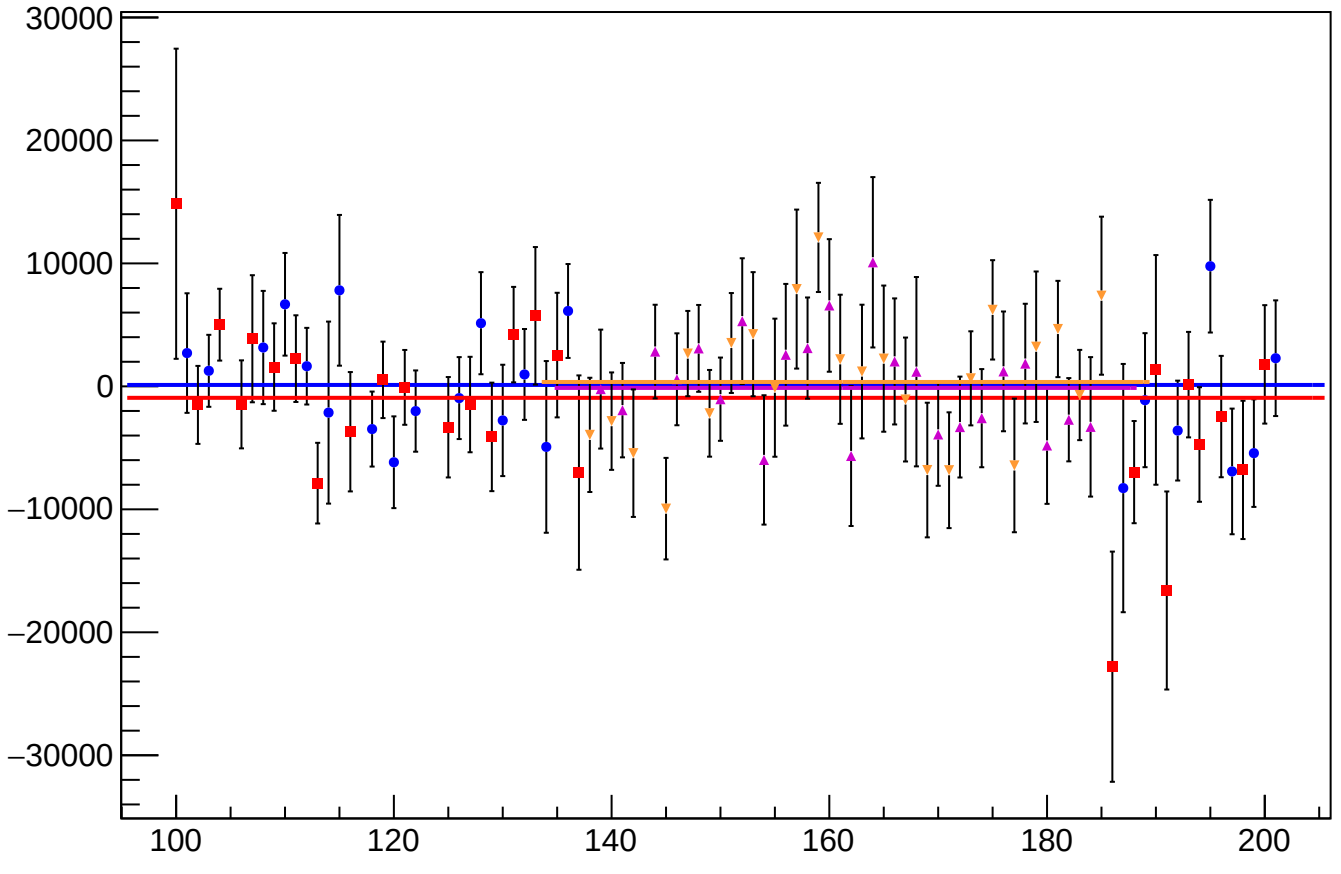
Right Out: 919.281+/-0.179 χ^2/NDF: 516887.6/26

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.665+/-0.130 χ^2/NDF: 1522574.7/46

All: 1008.888+/-0.091 χ^2/NDF: 3002397.8/96

- sign 1009.105+/-0.128 χ^2/NDF: 1479817.3/49



Right In: 115.730+/-871.780 χ^2/NDF: 23.4/22

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

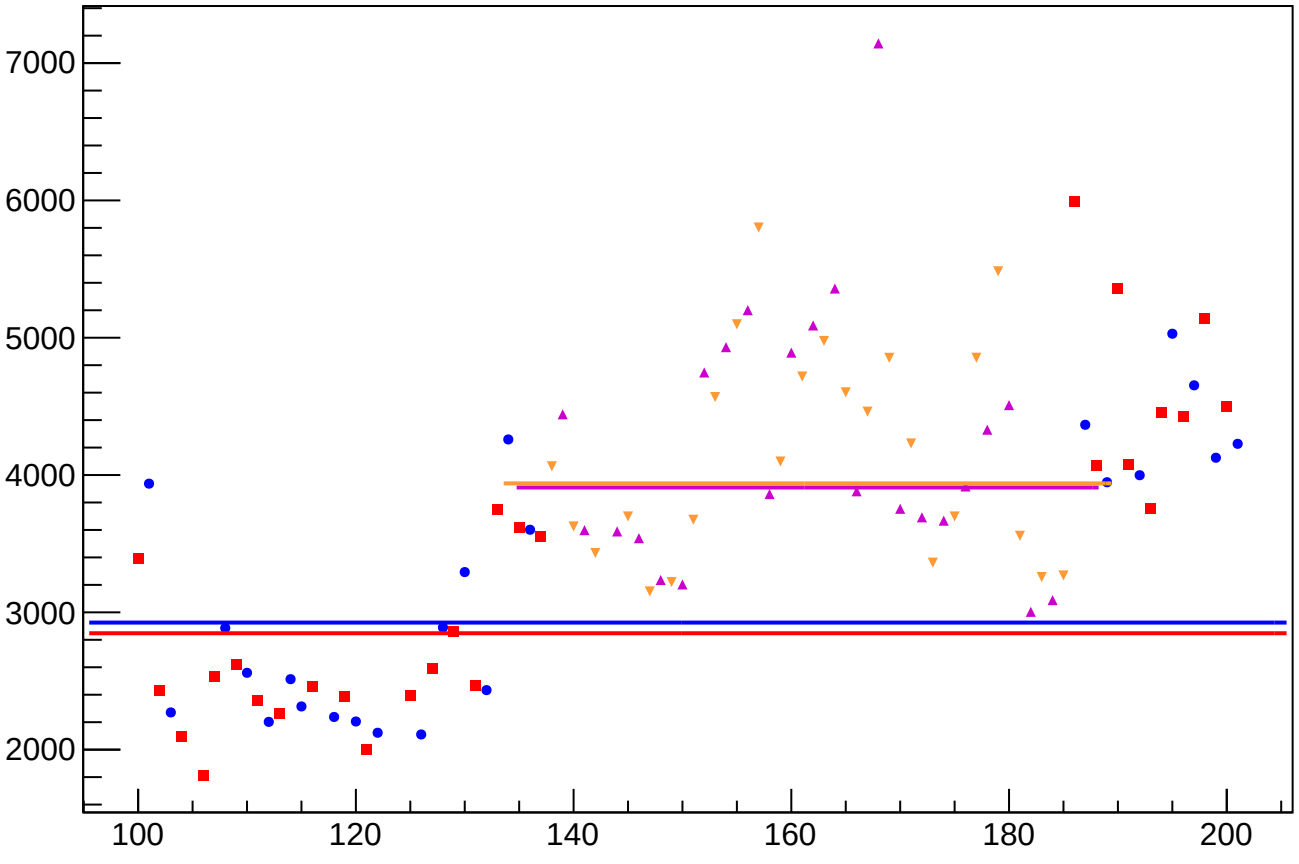
Right Out: -931.850+/-819.653 χ^2/NDF: 31.8/26

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 228.372+/-637.374 χ^2/NDF: 53.7/46

All: -190.299+/-442.821 χ^2/NDF: 100.5/96

- sign -580.949+/-615.676 χ^2/NDF: 46.0/49



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: 2847.785+/-0.580 χ^2/NDF: 2524833.6/26

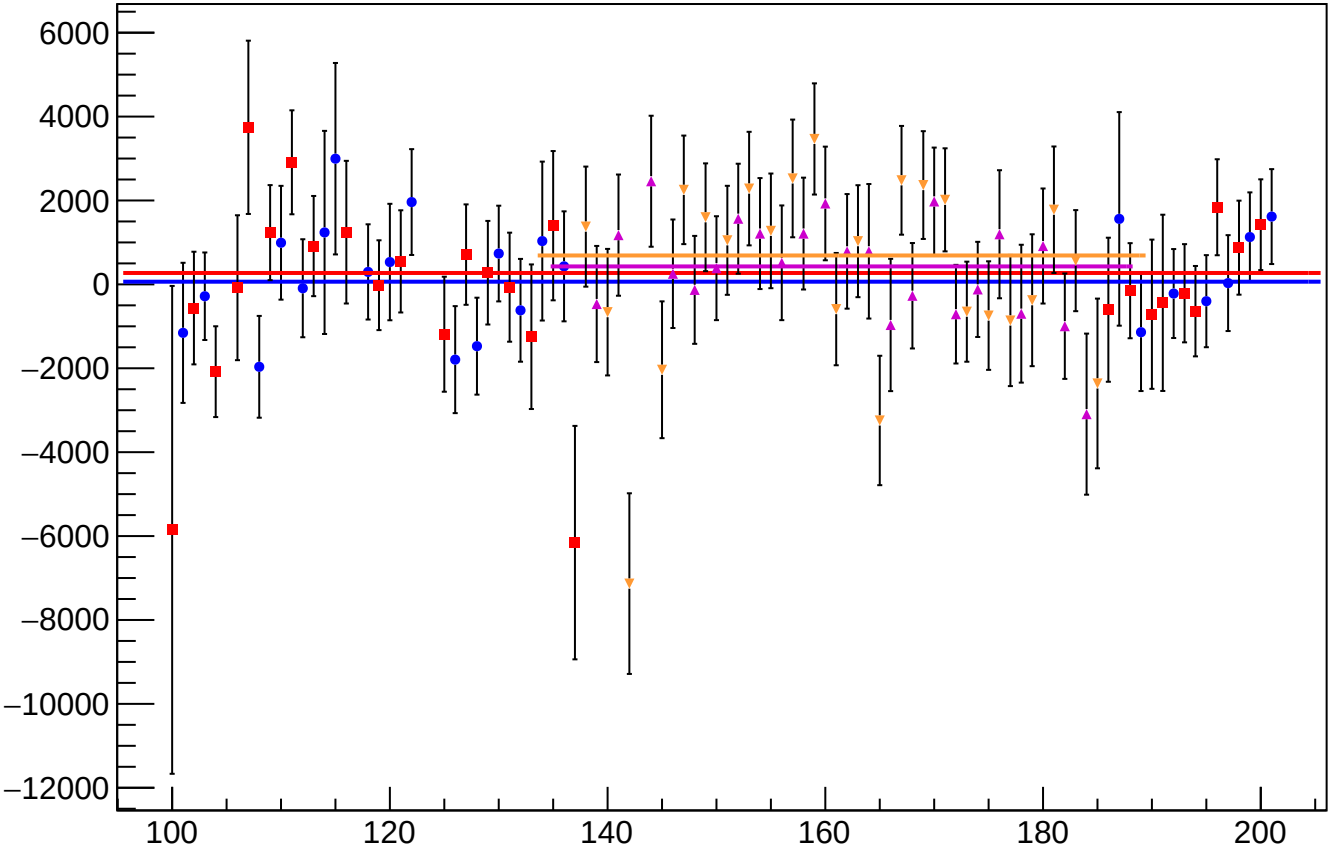
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

\+ sign 3397.375+/-0.451 χ^2/NDF: 4372903.4/46

All: 3352.331+/-0.313 χ^2/NDF: 9679175.9/96

\- sign 3310.302+/-0.435 χ^2/NDF: 5286963.7/49

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: 271.835+/-258.565 χ^2/NDF: 27.9/26

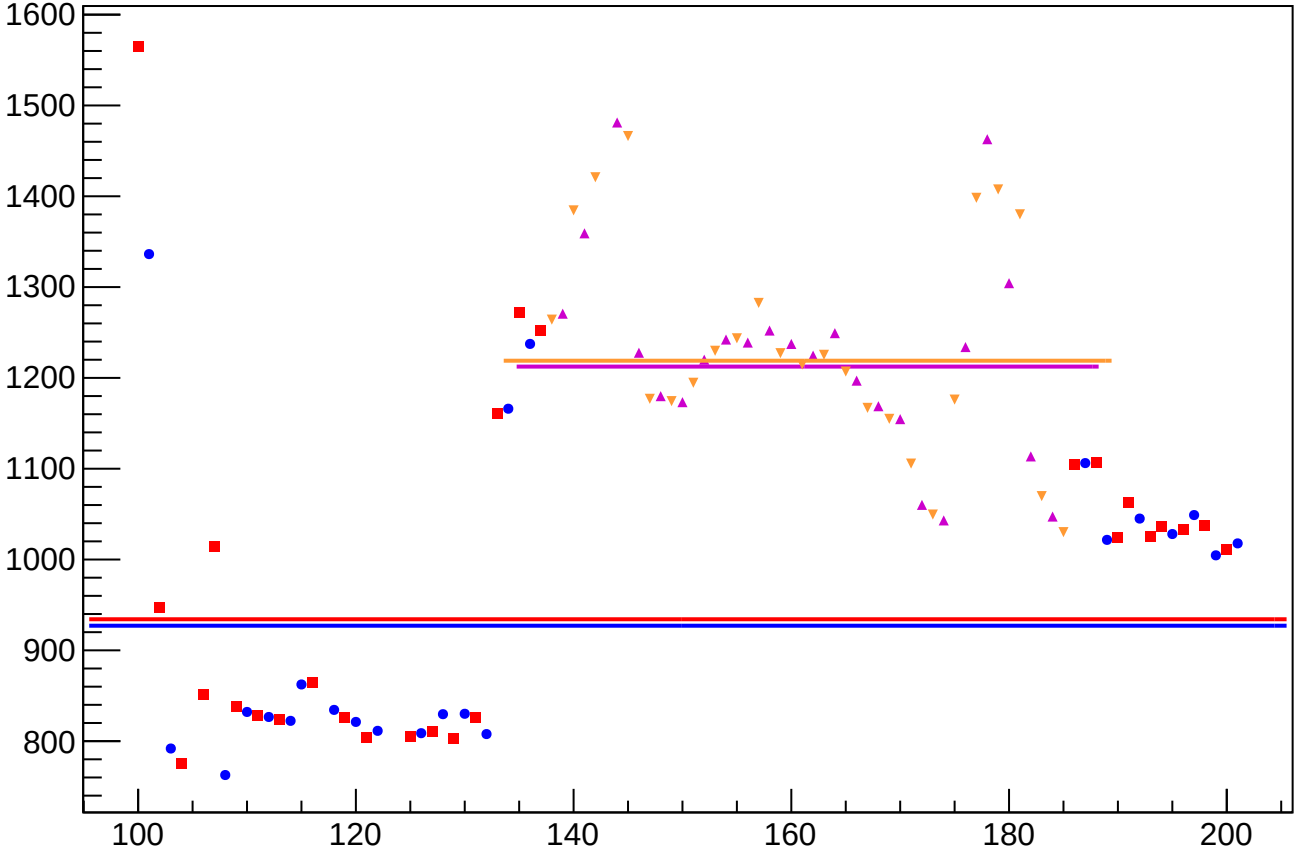
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 357.217+/-194.795 χ^2/NDF: 65.6/46

All: 349.742+/-136.492 χ^2/NDF: 108.4/96

- sign 342.532+/-191.311 χ^2/NDF: 42.7/49

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: 934.230+/-0.183 χ^2/NDF: 526074.9/26

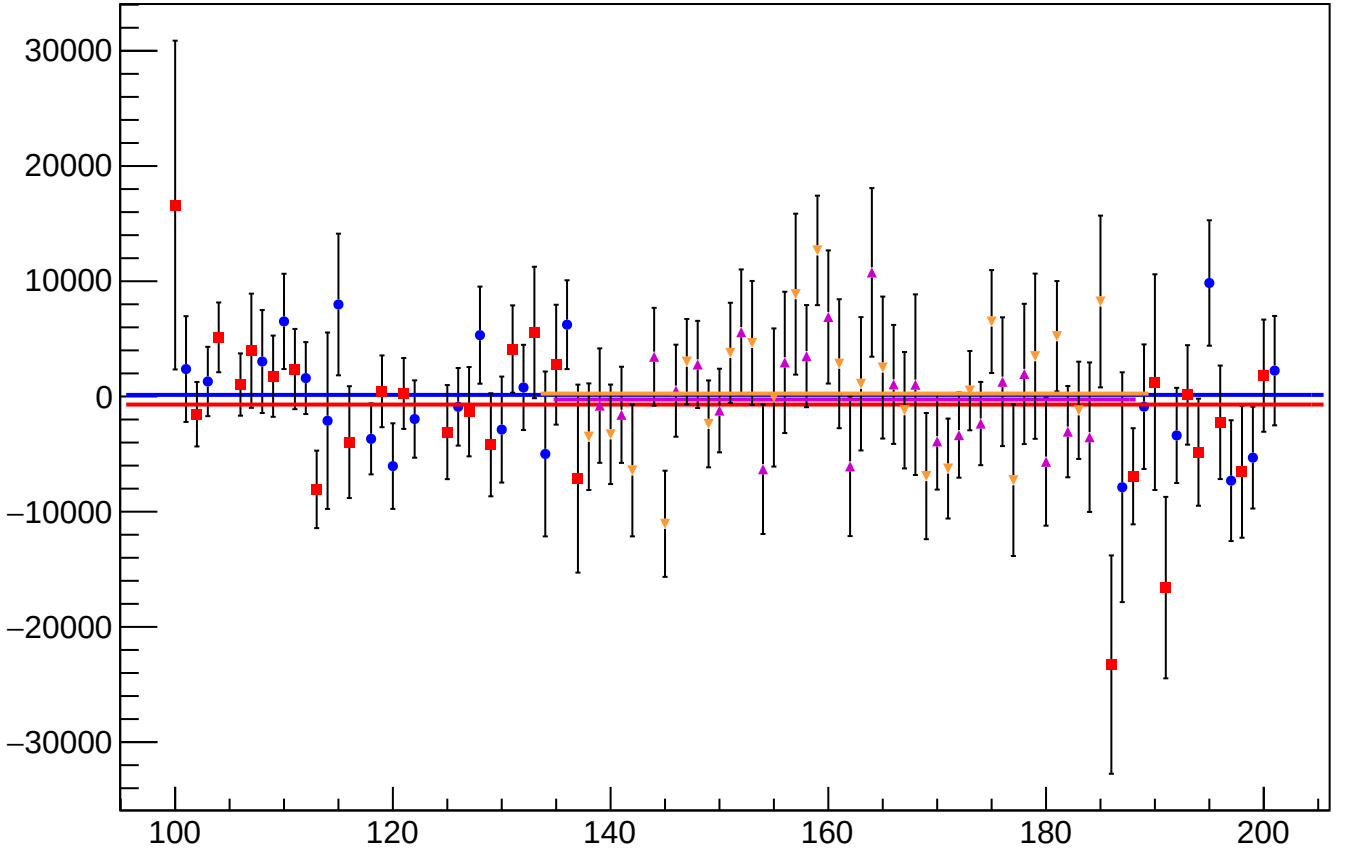
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1064.026+/-0.138 χ^2/NDF: 1989435.7/46

All: 1062.004+/-0.096 χ^2/NDF: 3824761.6/96

- sign 1060.054+/-0.135 χ^2/NDF: 1834902.6/49

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: -701.642+/-800.417 χ^2/NDF: 32.4/26

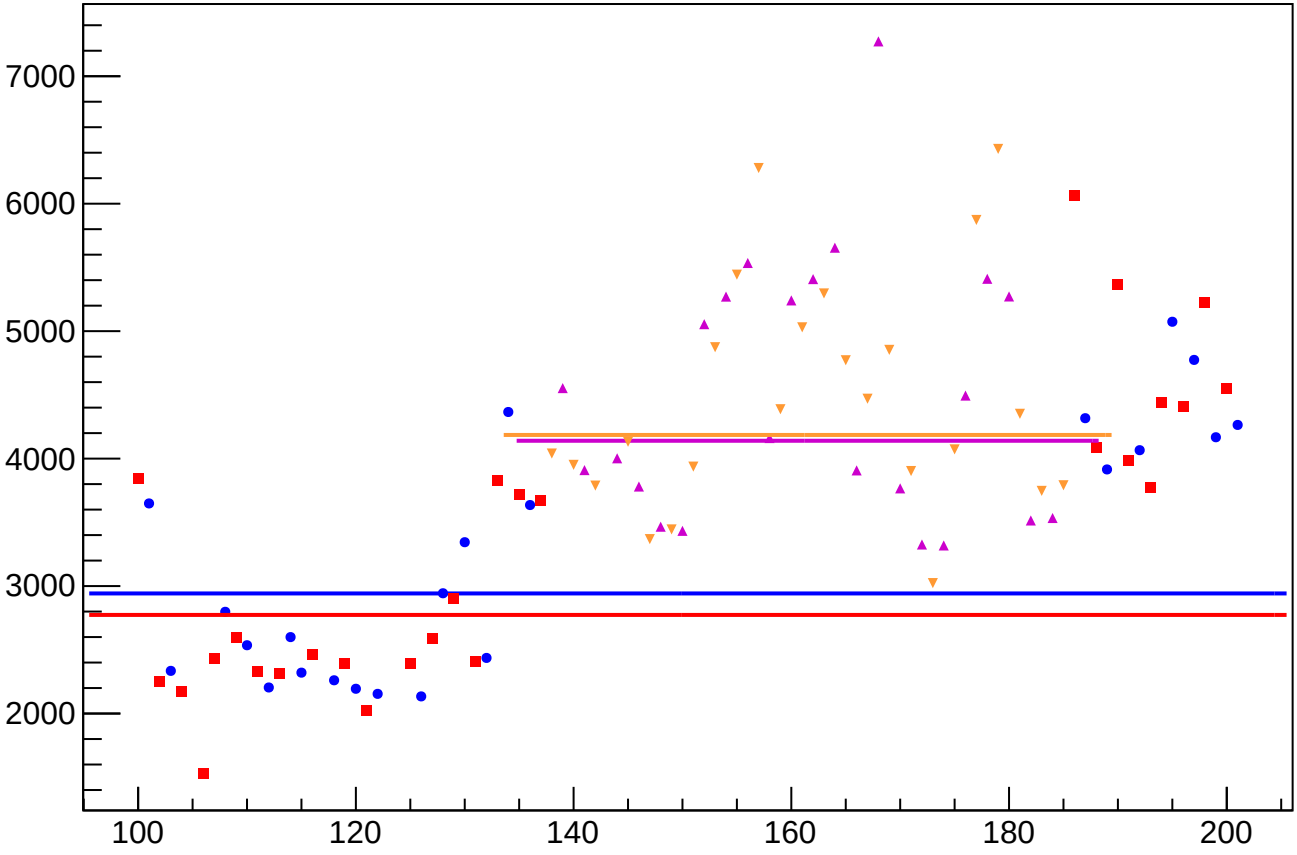
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 188.187+/-658.055 χ^2/NDF: 52.9/46

All: -190.622+/-452.203 χ^2/NDF: 99.5/96

- sign -529.549+/-622.451 χ^2/NDF: 46.0/49

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: 2773.676+/-0.566 χ^2/NDF: 2885187.0/26

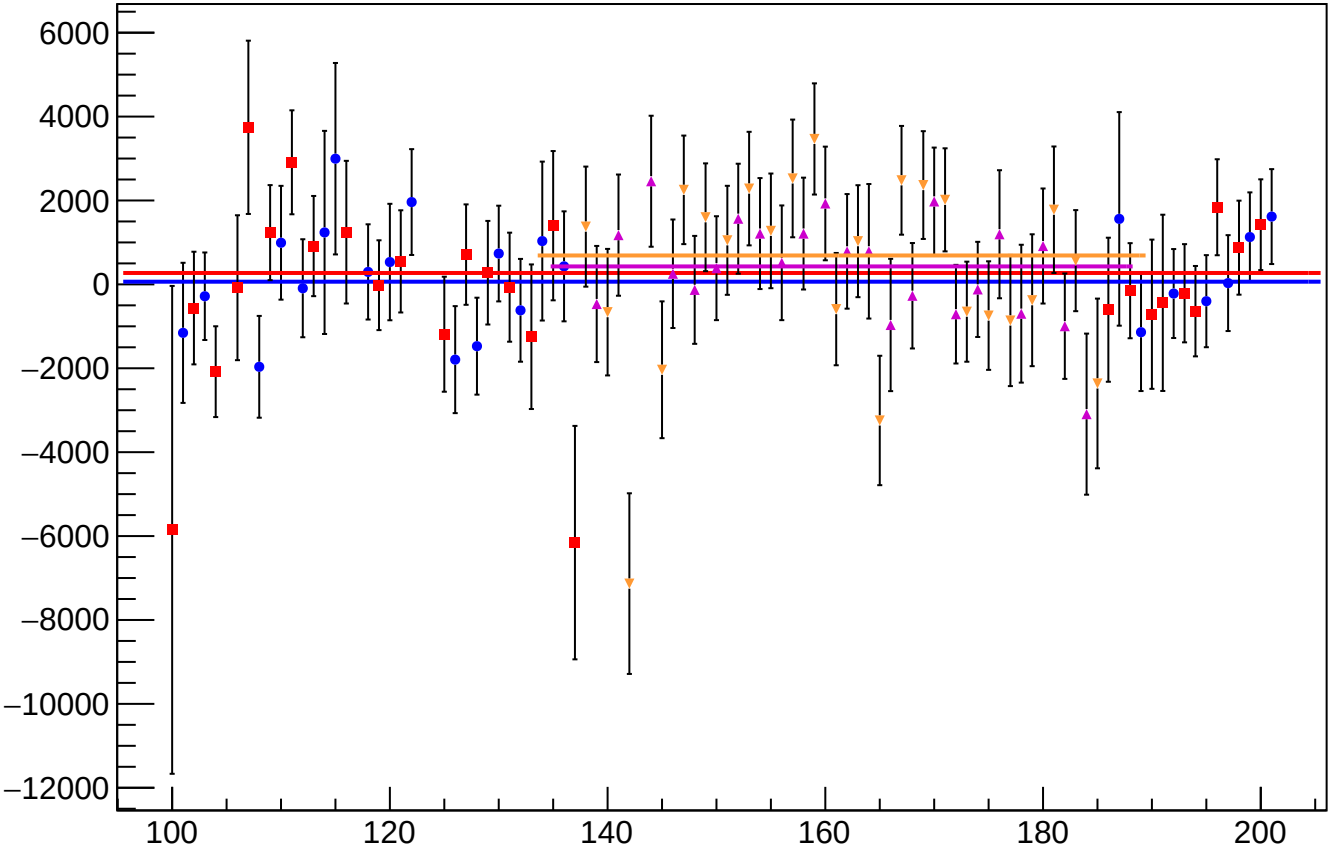
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3485.916+/-0.465 χ^2/NDF: 5026280.3/46

All: 3395.040+/-0.320 χ^2/NDF: 11737252.3/9

- sign 3313.731+/-0.440 χ^2/NDF: 6638702.4/49

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: 271.837+/-258.565 χ^2/NDF: 27.9/26

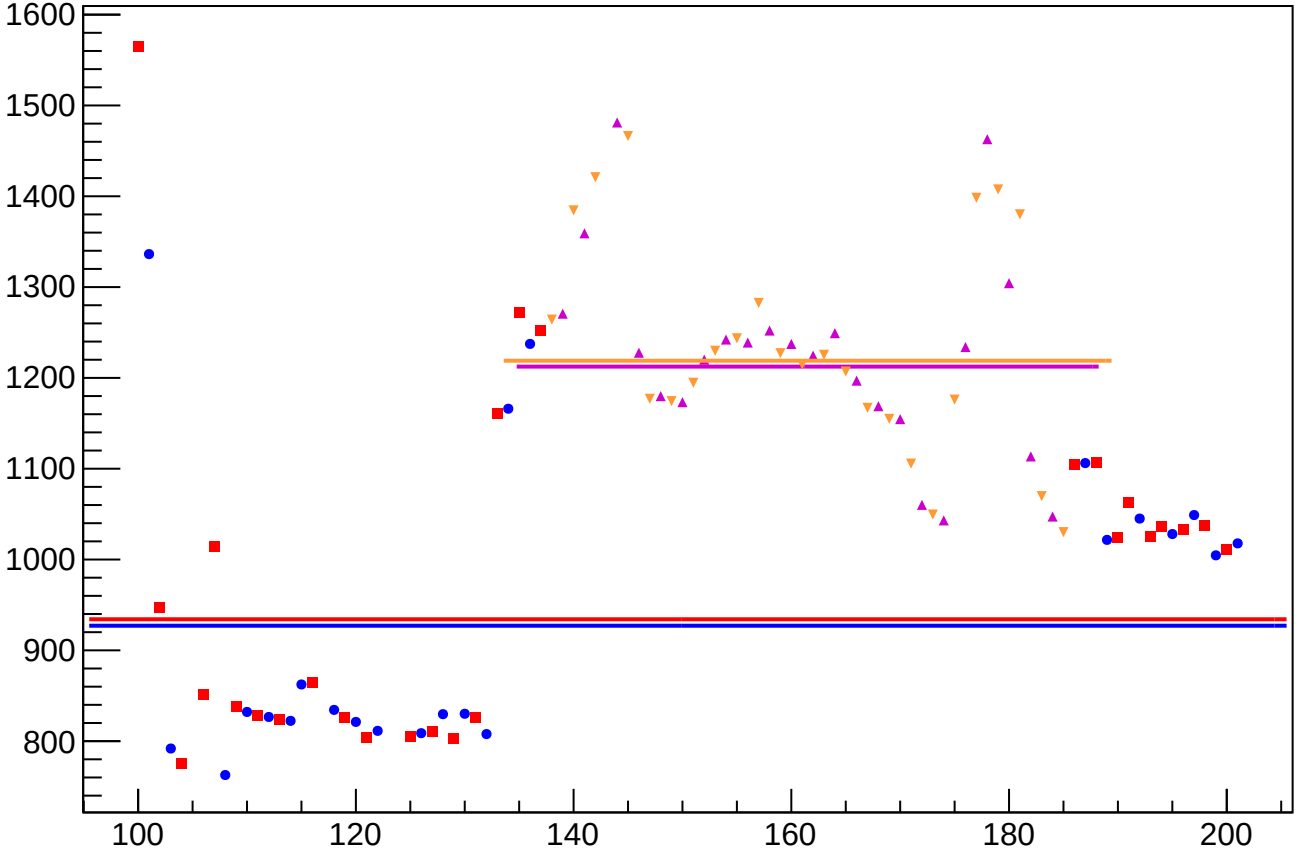
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 357.218+/-194.795 χ^2/NDF: 65.6/46

All: 349.743+/-136.493 χ^2/NDF: 108.4/96

- sign 342.532+/-191.311 χ^2/NDF: 42.7/49

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

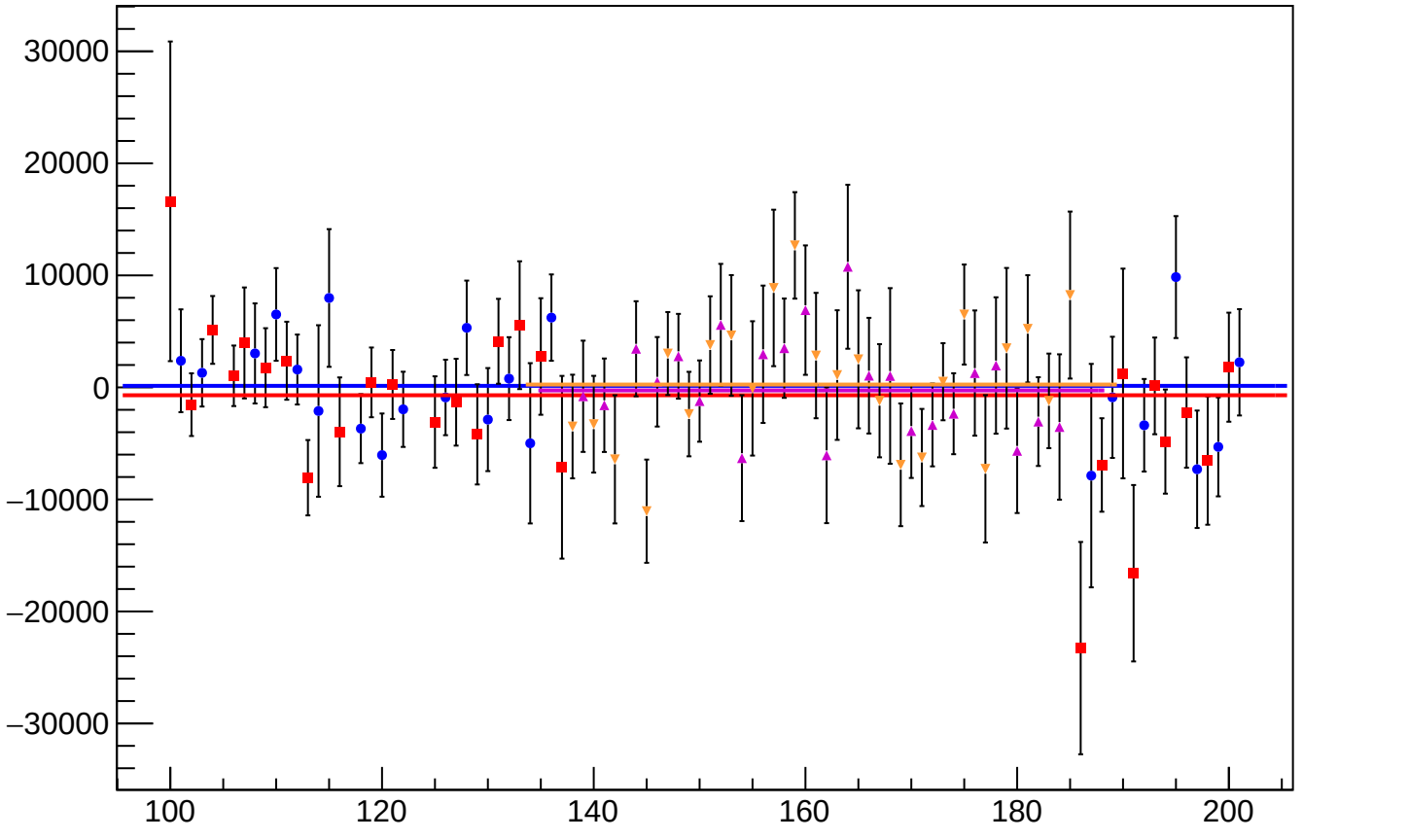
Right Out: 934.230+/-0.183 χ^2/NDF: 526075.3/26

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1064.026+/-0.138 χ^2/NDF: 1989452.7/46

All: 1062.004+/-0.096 χ^2/NDF: 3824795.1/96

- sign 1060.055+/-0.135 χ^2/NDF: 1834919.0/49



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: -701.637+/-800.415 χ^2/NDF: 32.4/26

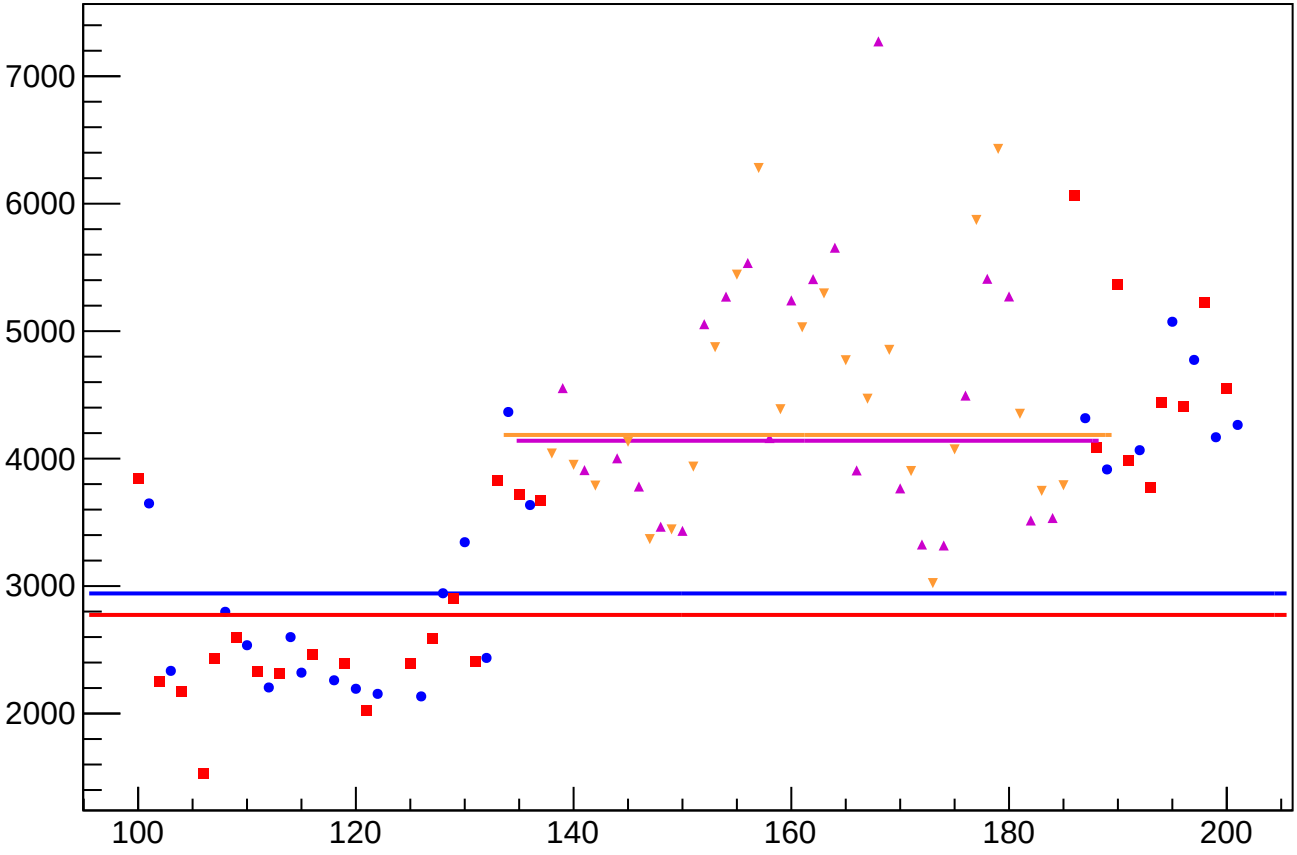
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 188.186+/-658.055 χ^2/NDF: 52.9/46

All: -190.621+/-452.202 χ^2/NDF: 99.5/96

- sign -529.547+/-622.451 χ^2/NDF: 46.0/49

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: 2773.669+/-0.566 χ^2/NDF: 2885212.0/26

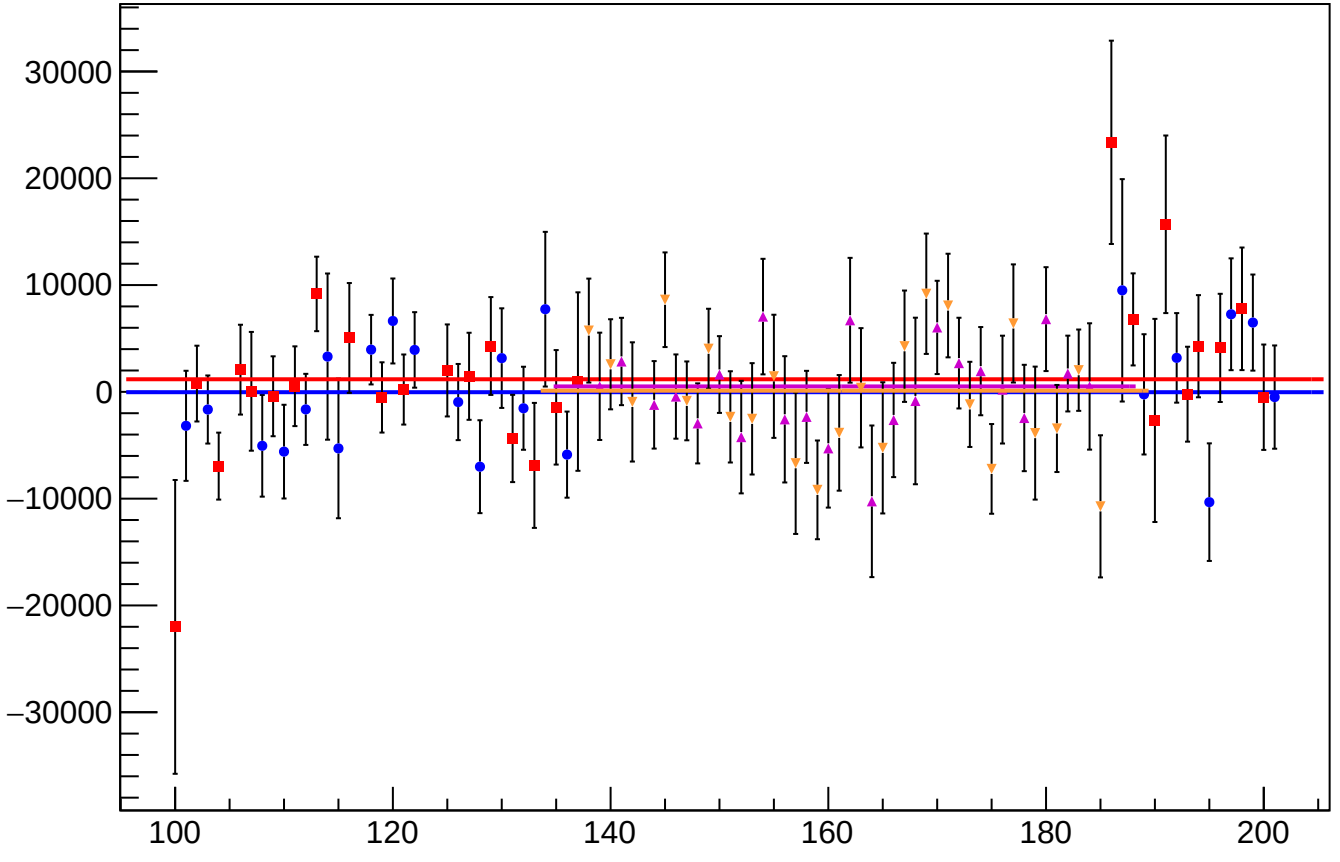
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3485.913+/-0.465 χ^2/NDF: 5026351.5/46

All: 3395.036+/-0.320 χ^2/NDF: 11737395.8/9

- sign 3313.727+/-0.440 χ^2/NDF: 6638774.5/49

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: 1179.006+/-870.802 χ^2/NDF: 33.2/26

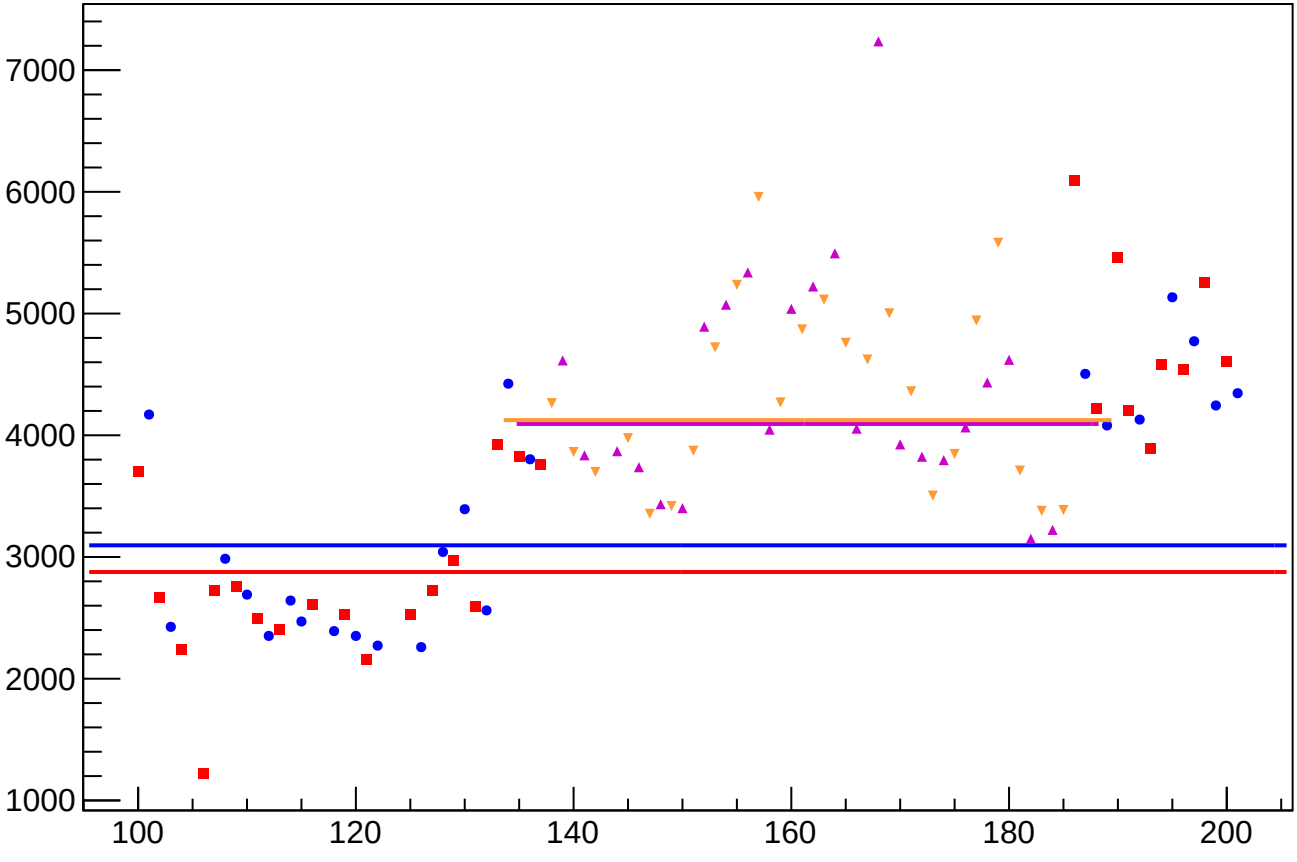
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

\+ sign 34.241+/-669.062 χ^2/NDF: 53.5/46

All: 470.579+/-465.929 χ^2/NDF: 101.3/96

\- sign 881.435+/-649.231 χ^2/NDF: 46.9/49

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: 2876.852+/-0.594 χ^2/NDF: 3101691.5/26

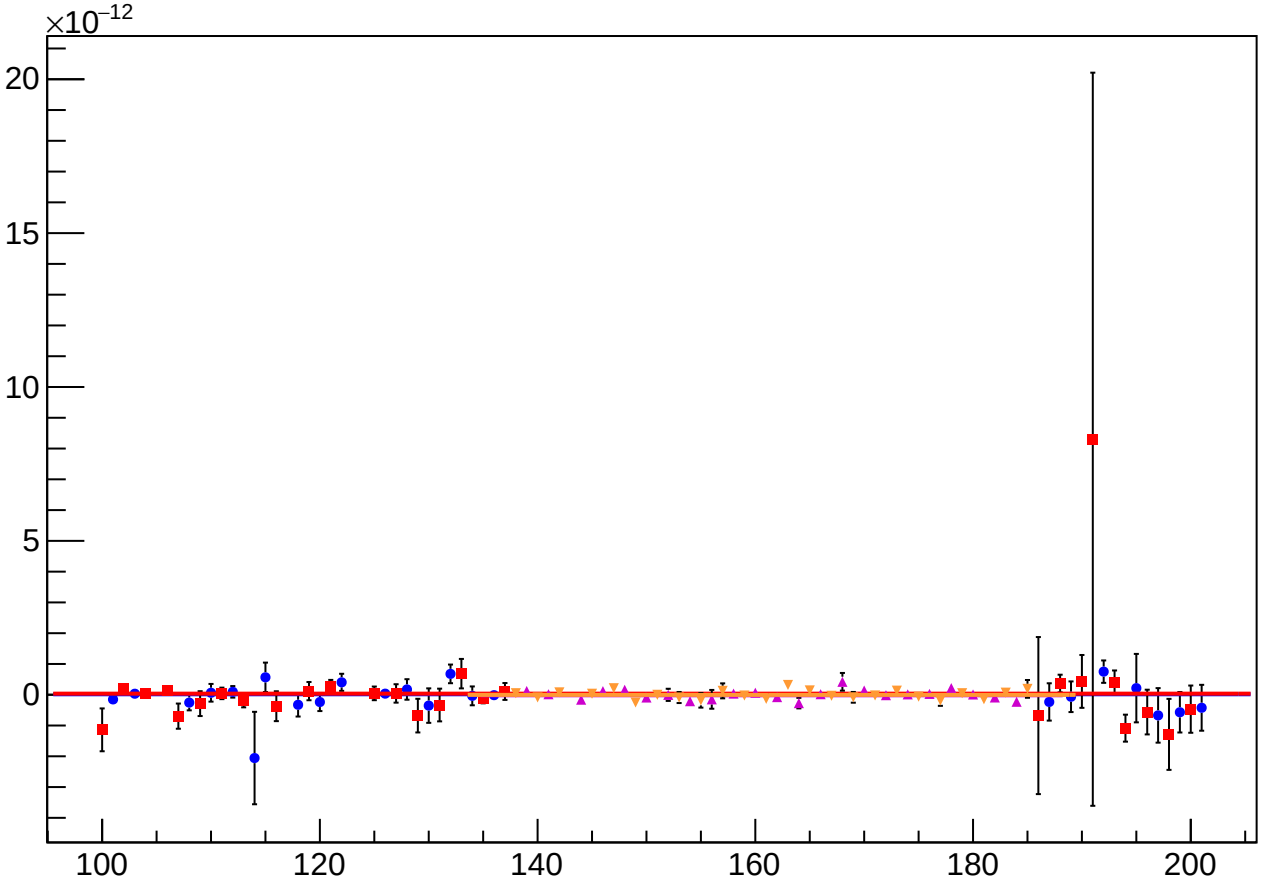
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3579.589+/-0.473 χ^2/NDF: 3985778.7/46

All: 3482.655+/-0.326 χ^2/NDF: 10119225.7/9

- sign 3395.088+/-0.450 χ^2/NDF: 6053541.7/49

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

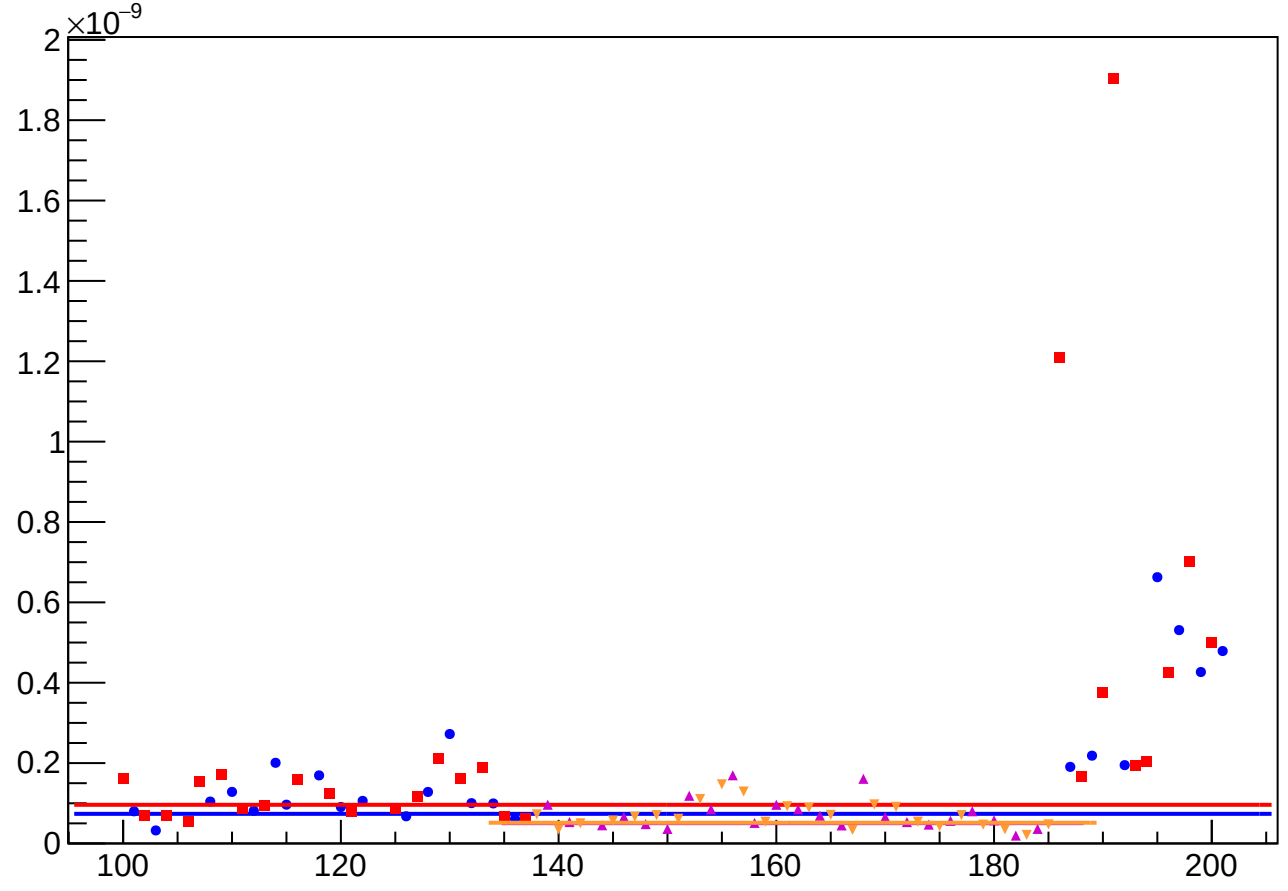
Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/26

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: 101.4/96

- sign -0.000+/-0.000 χ^2/NDF: 55.6/49



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: 3331685.9/26

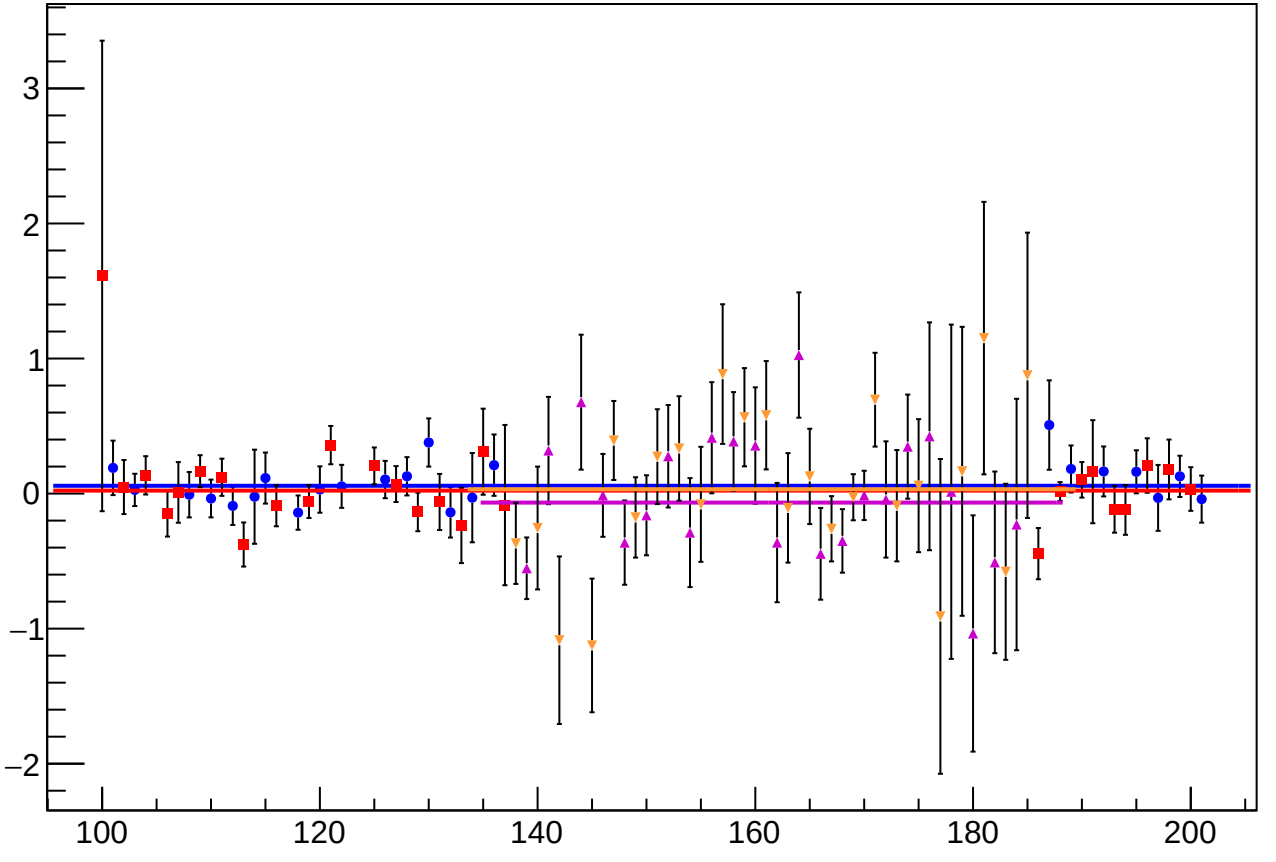
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6708130.4/46

All: 0.000+/-0.000 χ^2/NDF: 13821780.0/96

- sign 0.000+/-0.000 χ^2/NDF: 7108510.3/49

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: 0.022+/-0.030 χ^2/NDF: 31.3/26

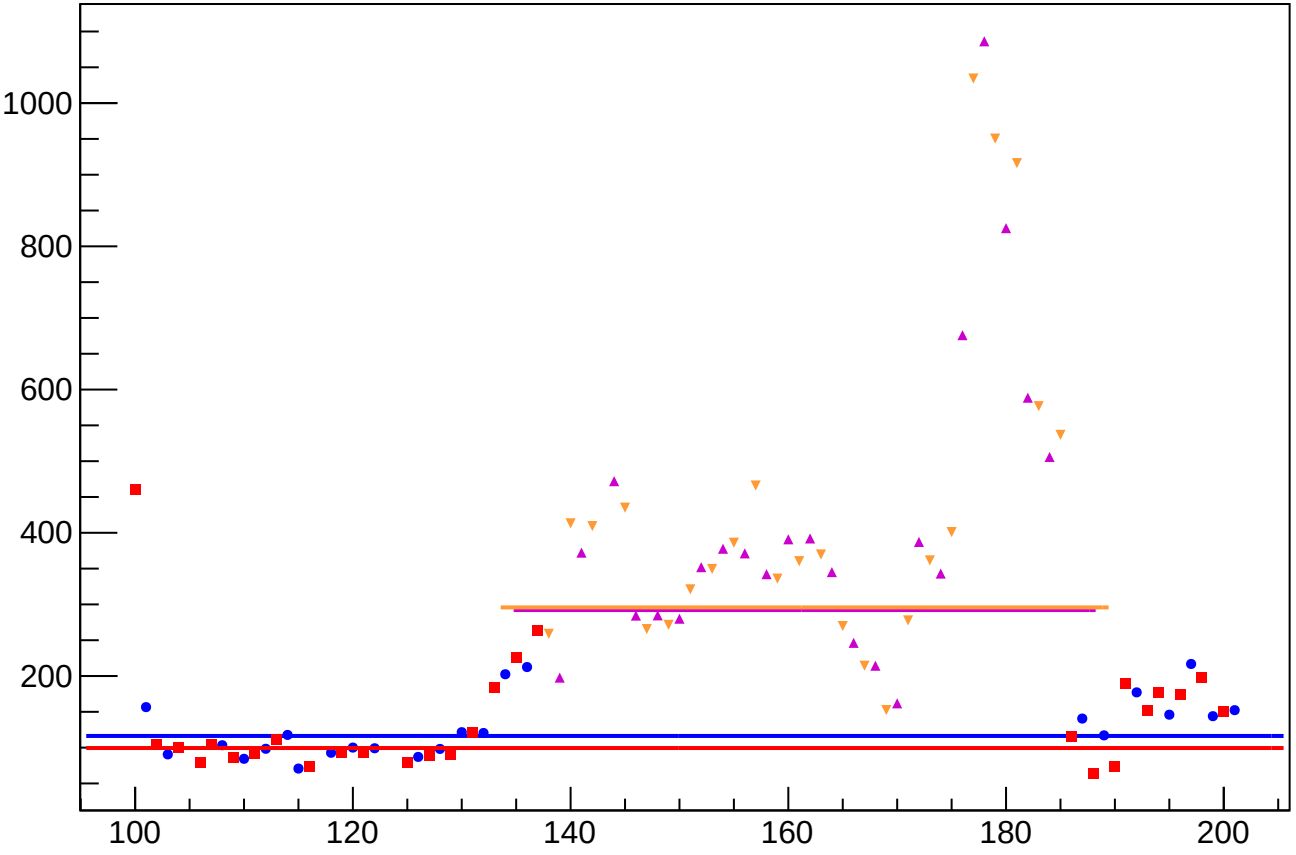
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.053+/-0.032 χ^2/NDF: 43.7/46

All: 0.028+/-0.021 χ^2/NDF: 102.9/96

- sign 0.010+/-0.028 χ^2/NDF: 58.2/49

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: 99.459+/-0.021 χ^2/NDF: 3101056.3/26

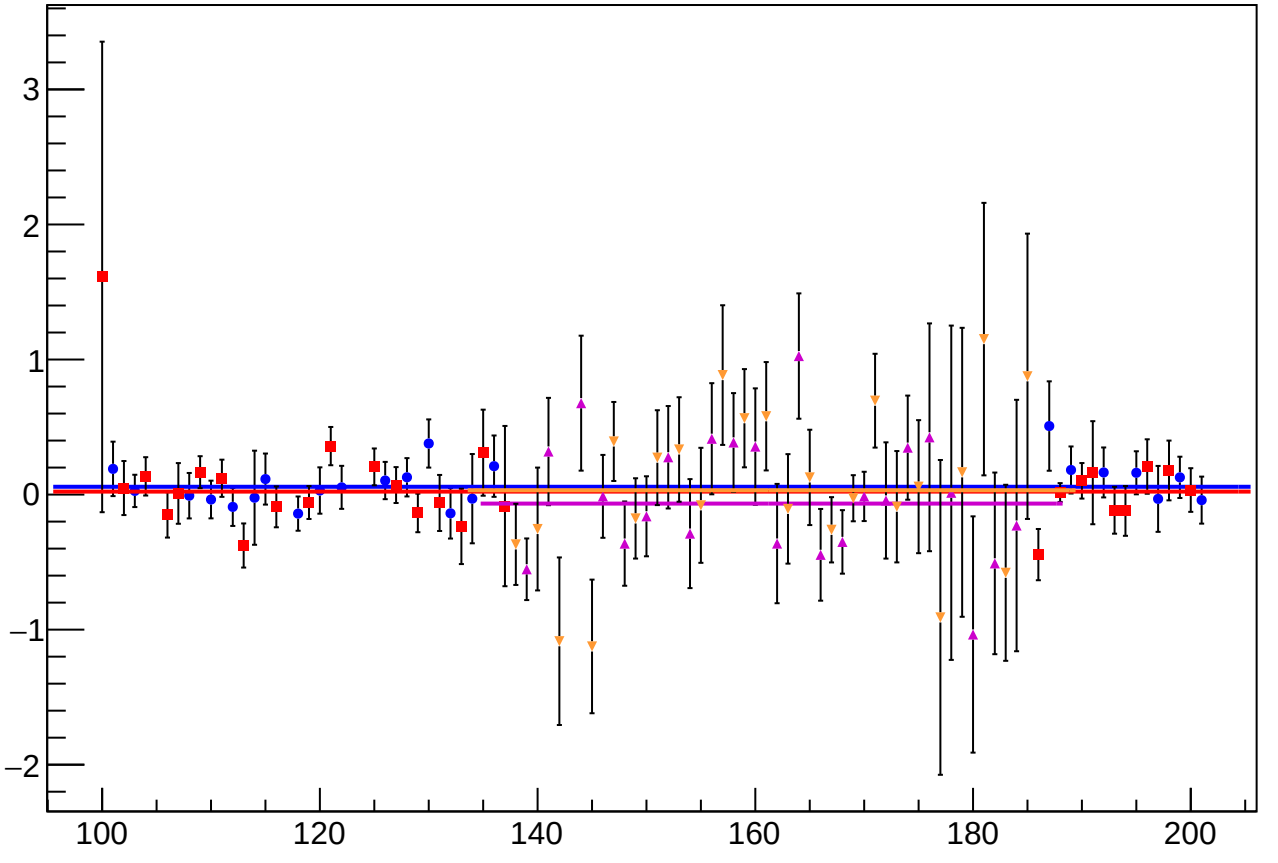
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 148.331+/-0.023 χ^2/NDF: 16618875.9/46

All: 135.788+/-0.015 χ^2/NDF: 36752232.4/96

- sign 126.314+/-0.020 χ^2/NDF: 19597368.0/49

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

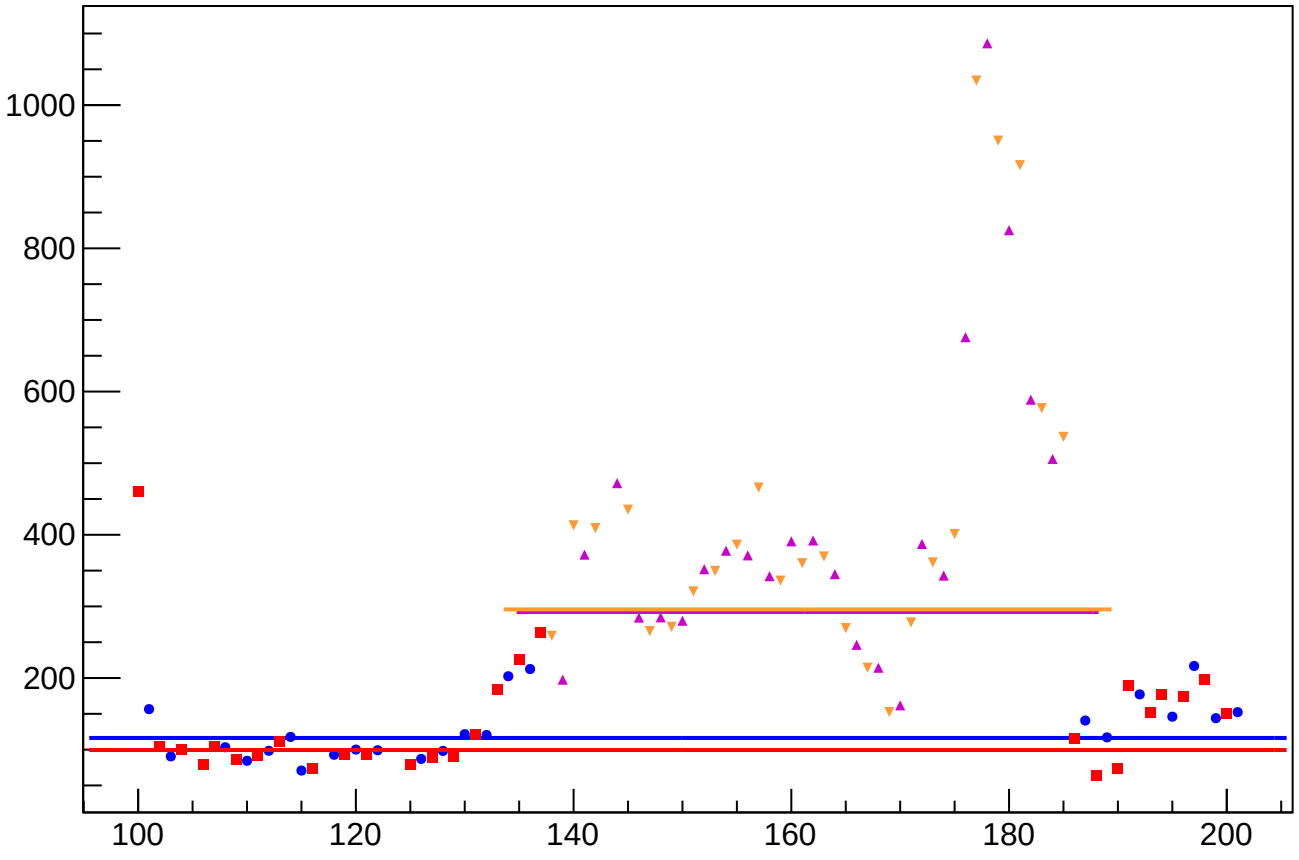
Right Out: 0.022+/-0.030 χ^2/NDF: 31.3/26

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.053+/-0.032 χ^2/NDF: 43.7/46

All: 0.028+/-0.021 χ^2/NDF: 102.9/96

- sign 0.010+/-0.028 χ^2/NDF: 58.2/49



Right In: 116.313+/-0.025 χ^2/NDF: 1954114.9/22

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

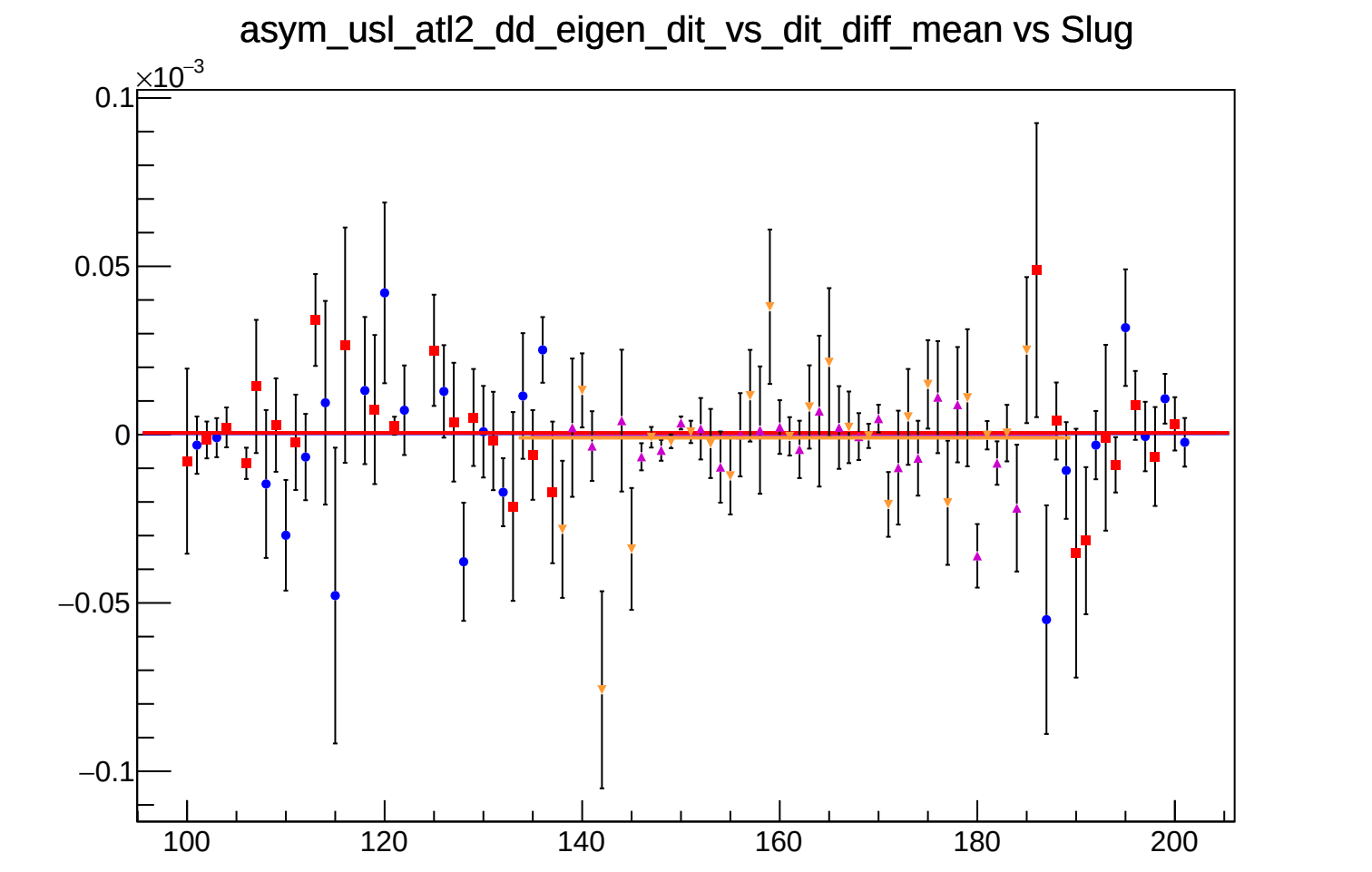
Right Out: 99.459+/-0.021 χ^2/NDF: 3101056.3/26

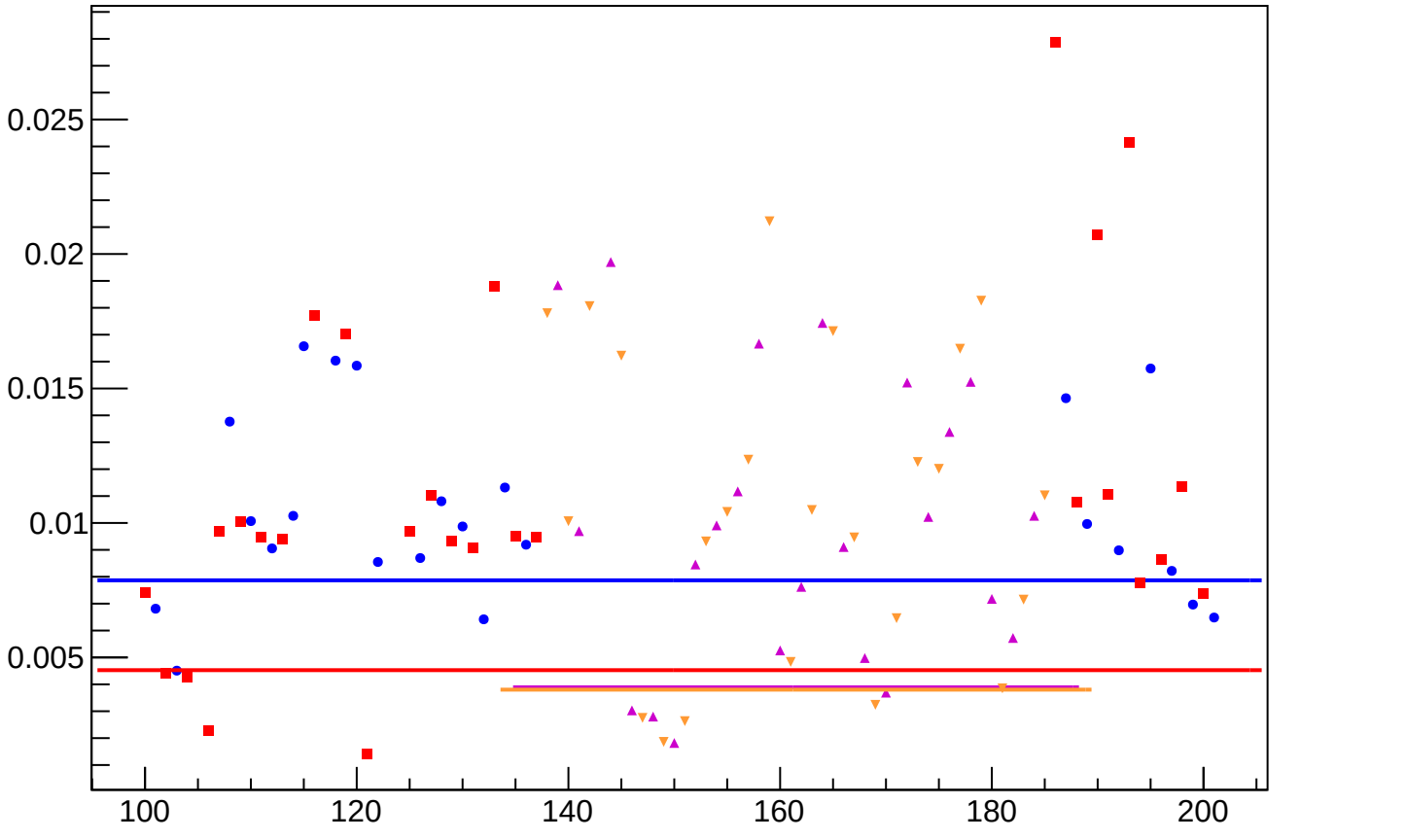
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 148.331+/-0.023 χ^2/NDF: 16618875.9/46

All: 135.788+/-0.015 χ^2/NDF: 36752232.4/96

- sign 126.314+/-0.020 χ^2/NDF: 19597368.0/49


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 32.8/22
Left Out: -0.000+/-0.000 χ²/NDF:29.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.6/26
Left In: -0.000+/-0.000 χ²/NDF:29.8/22
+ sign -0.000+/-0.000 χ²/NDF: 62.1/46
All: -0.000+/-0.000 χ²/NDF: 114.9/96
- sign -0.000+/-0.000 χ²/NDF: 52.7/49



Right In: 0.008+/-0.000 χ^2/NDF: 2370400.6/22

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 10941955.4/26

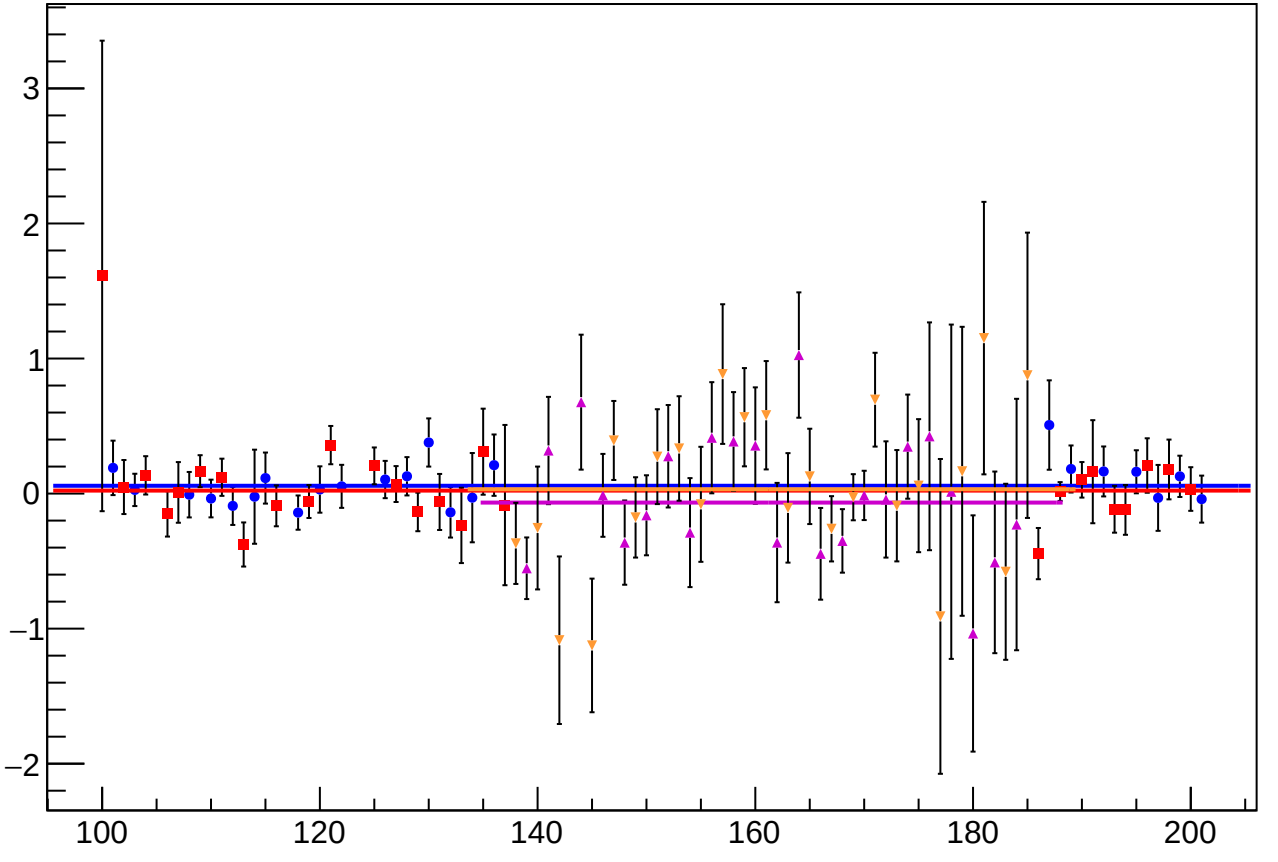
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 21497736.2/46

All: 0.004+/-0.000 χ^2/NDF: 46361324.2/96

- sign 0.004+/-0.000 χ^2/NDF: 24651023.8/49

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

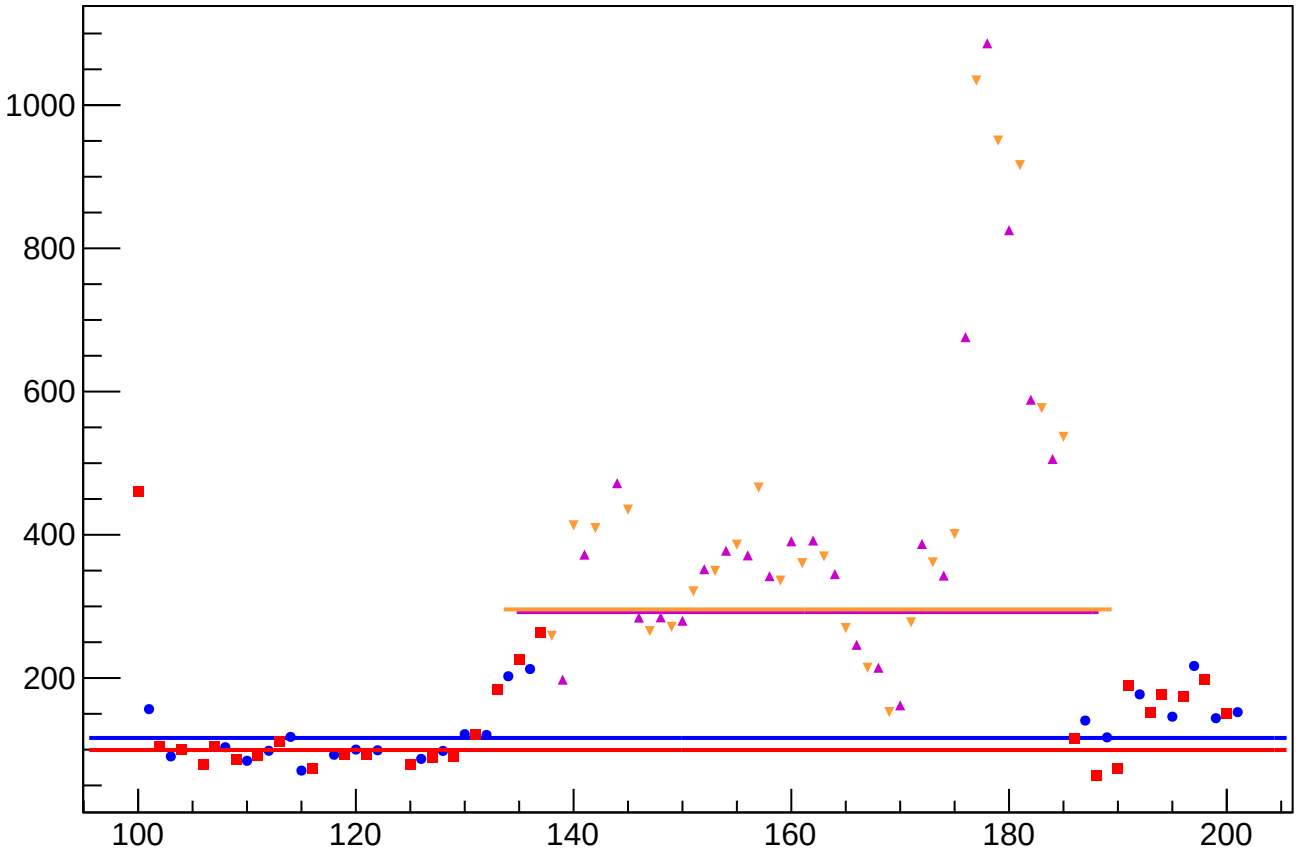
Right Out: 0.022+/-0.030 χ^2/NDF: 31.3/26

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.053+/-0.032 χ^2/NDF: 43.7/46

All: 0.028+/-0.021 χ^2/NDF: 102.9/96

- sign 0.010+/-0.028 χ^2/NDF: 58.2/49



Right In: 116.313+/-0.025 χ^2/NDF: 1954053.4/22

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

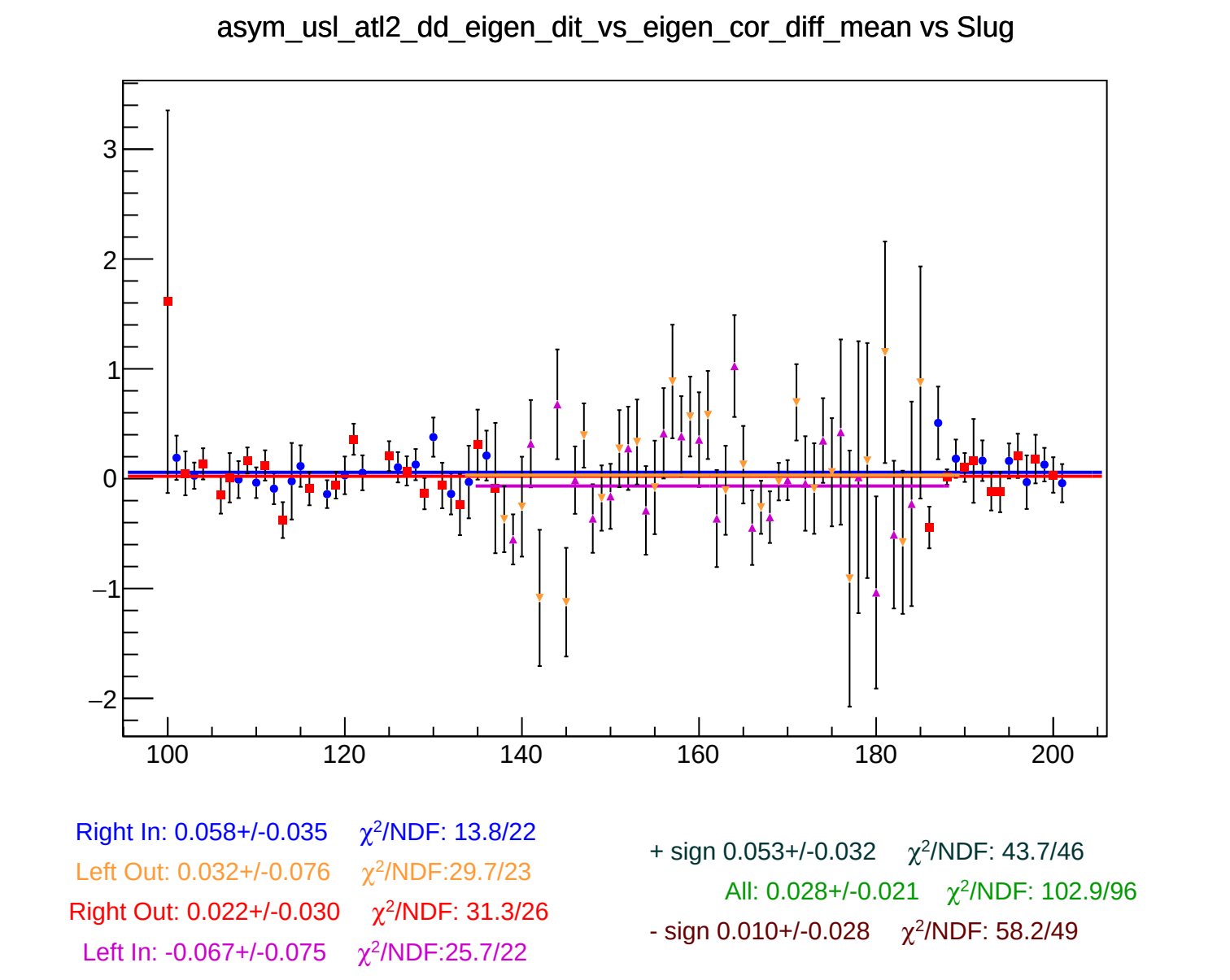
Right Out: 99.457+/-0.021 χ^2/NDF: 3101176.6/26

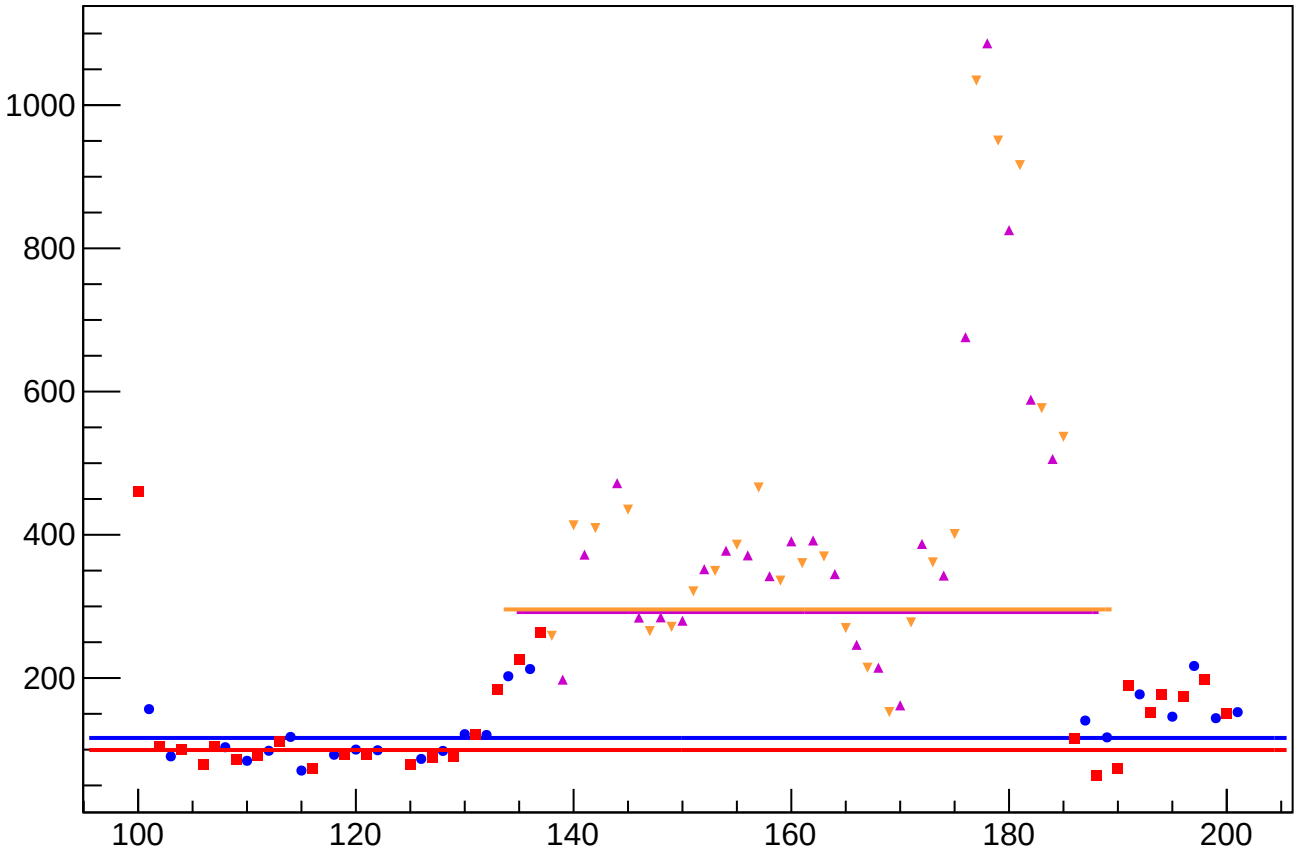
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.332+/-0.023 χ^2/NDF: 16618907.3/46

All: 135.787+/-0.015 χ^2/NDF: 36752850.6/96

- sign 126.312+/-0.020 χ^2/NDF: 19597843.3/49


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.058+/-0.035 χ²/NDF: 13.8/22
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.022+/-0.030 χ²/NDF: 31.3/26
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.053+/-0.032 χ²/NDF: 43.7/46
All: 0.028+/-0.021 χ²/NDF: 102.9/96
- sign 0.010+/-0.028 χ²/NDF: 58.2/49



Right In: 116.313+/-0.025 χ^2/NDF: 1954053.4/22

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

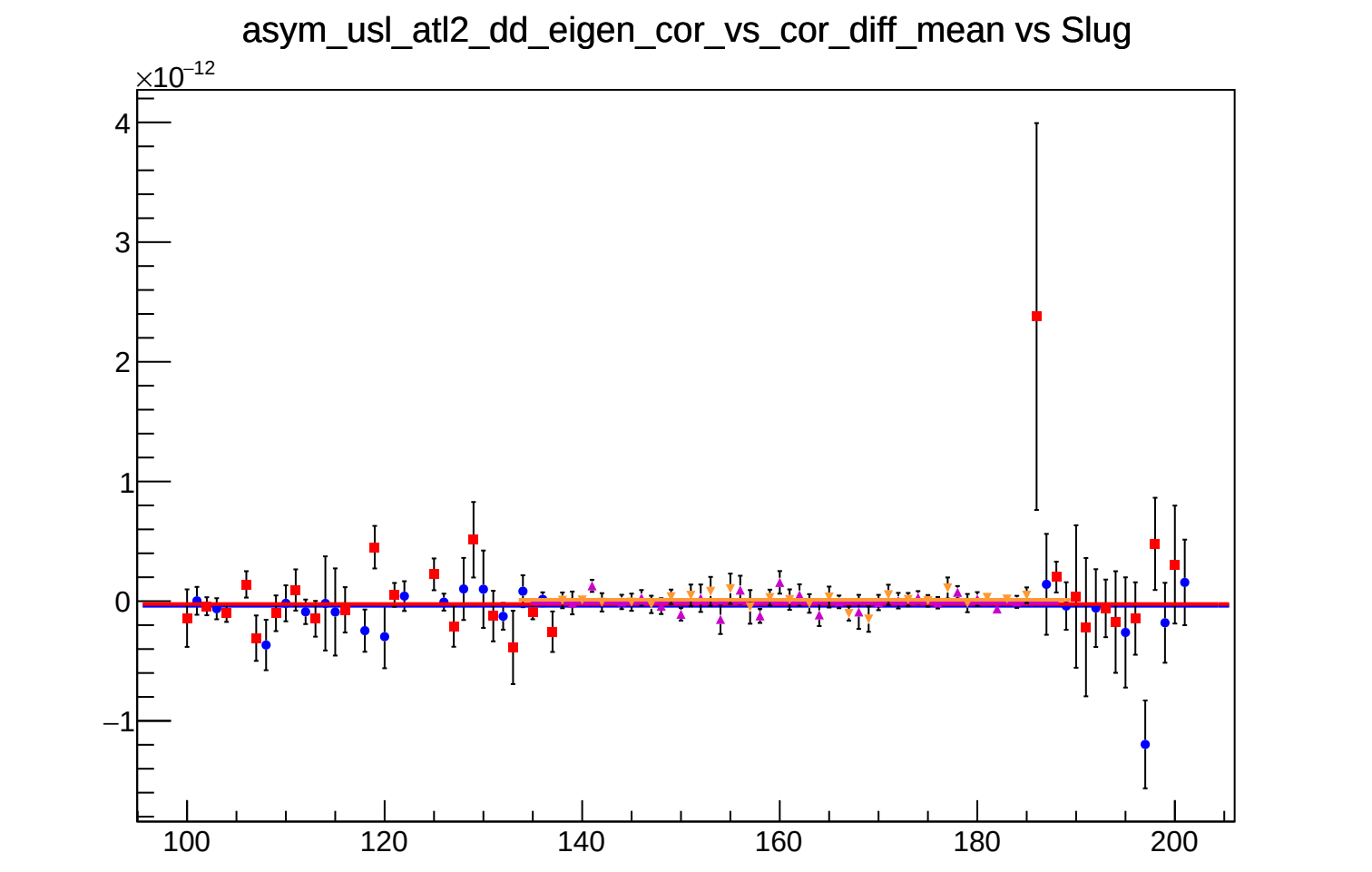
Right Out: 99.457+/-0.021 χ^2/NDF: 3101176.6/26

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.332+/-0.023 χ^2/NDF: 16618907.3/46

All: 135.787+/-0.015 χ^2/NDF: 36752850.6/96

- sign 126.312+/-0.020 χ^2/NDF: 19597843.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

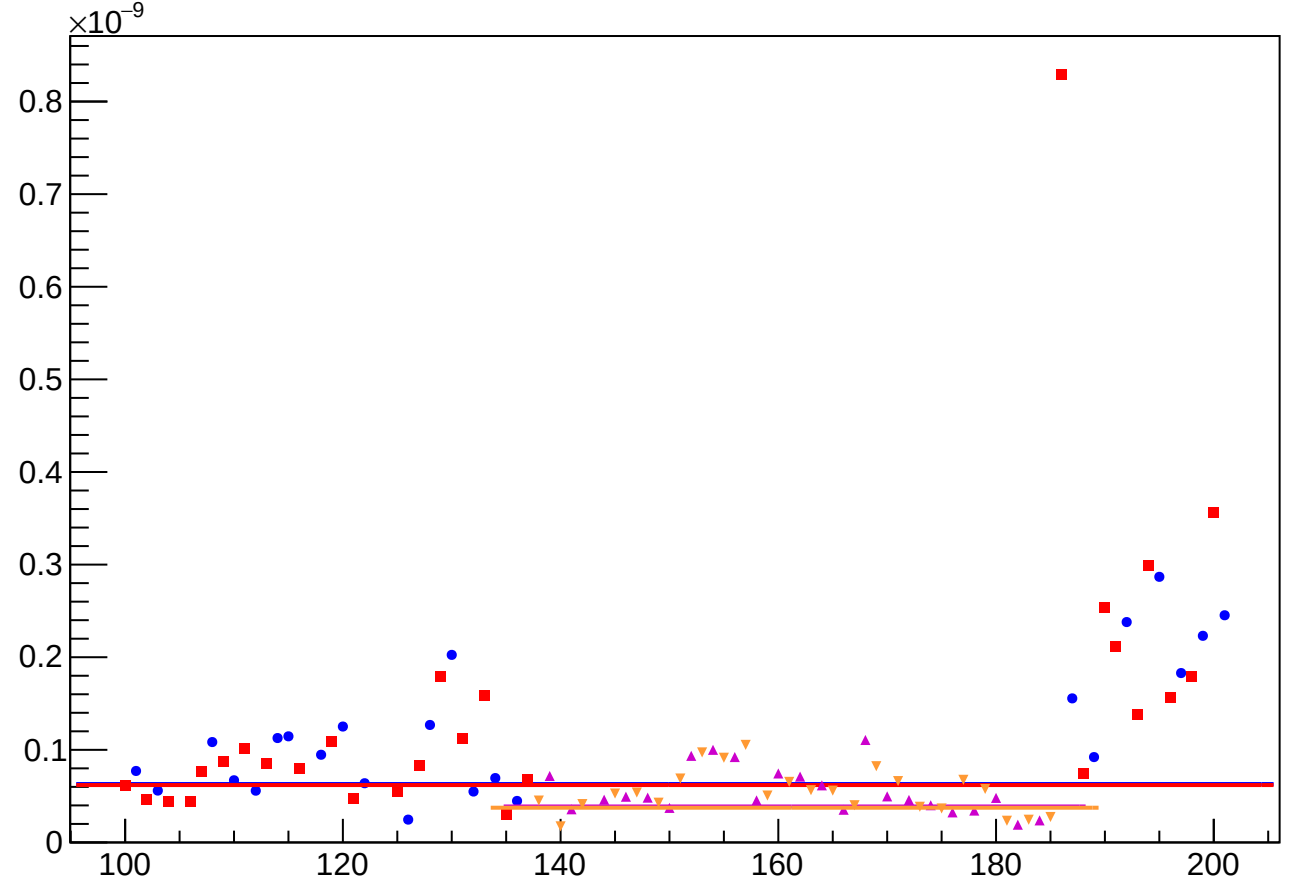
Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/26

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: 100.5/96

- sign -0.000+/-0.000 χ^2/NDF: 66.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 4069591.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

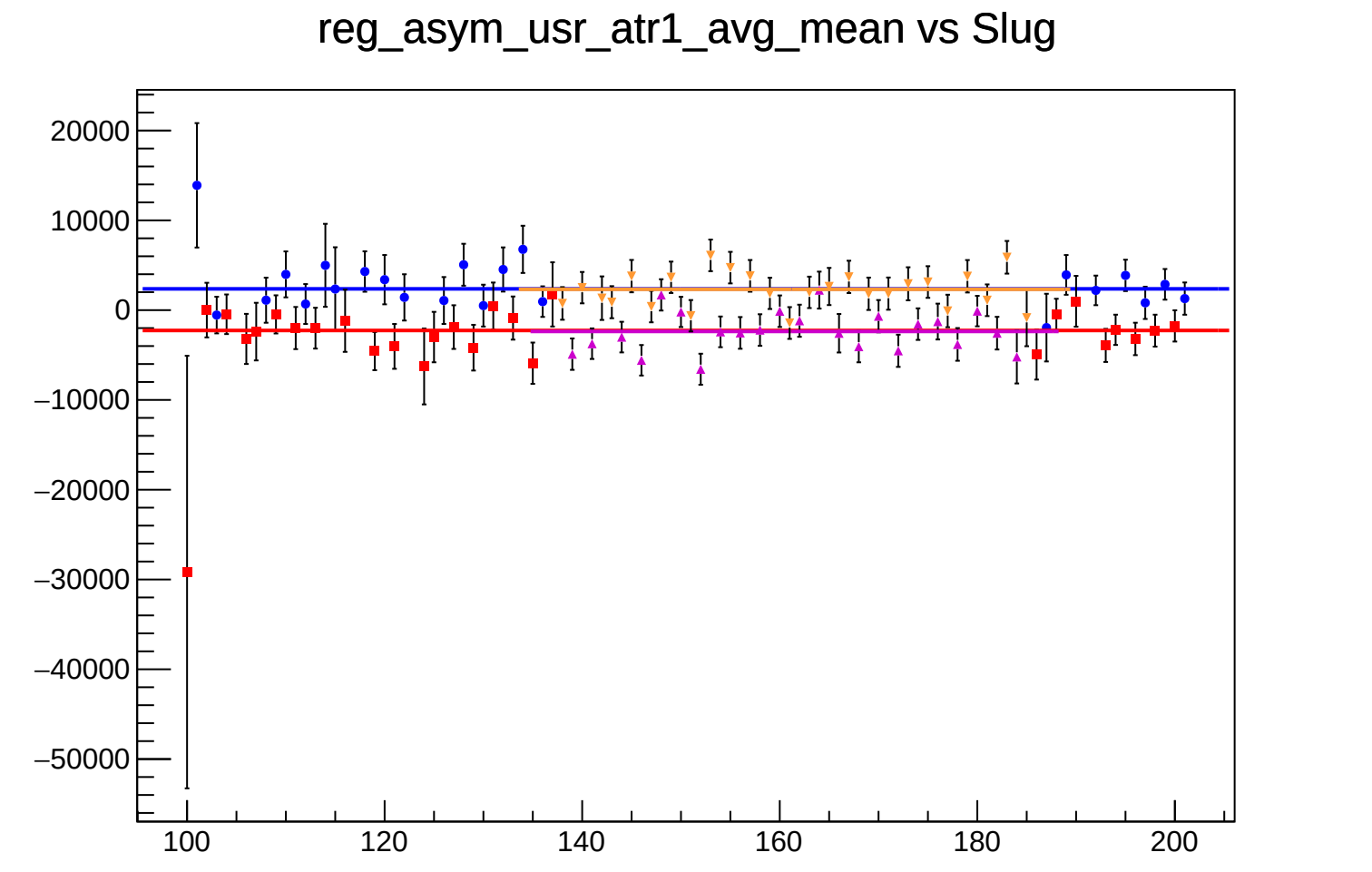
Right Out: 0.000+/-0.000 χ^2/NDF: 4594500.3/26

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: 20777003.5/96

- sign 0.000+/-0.000 χ^2/NDF: 10356640.7/49



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: -2263.274+/-452.653 χ^2/NDF: 16.3/26

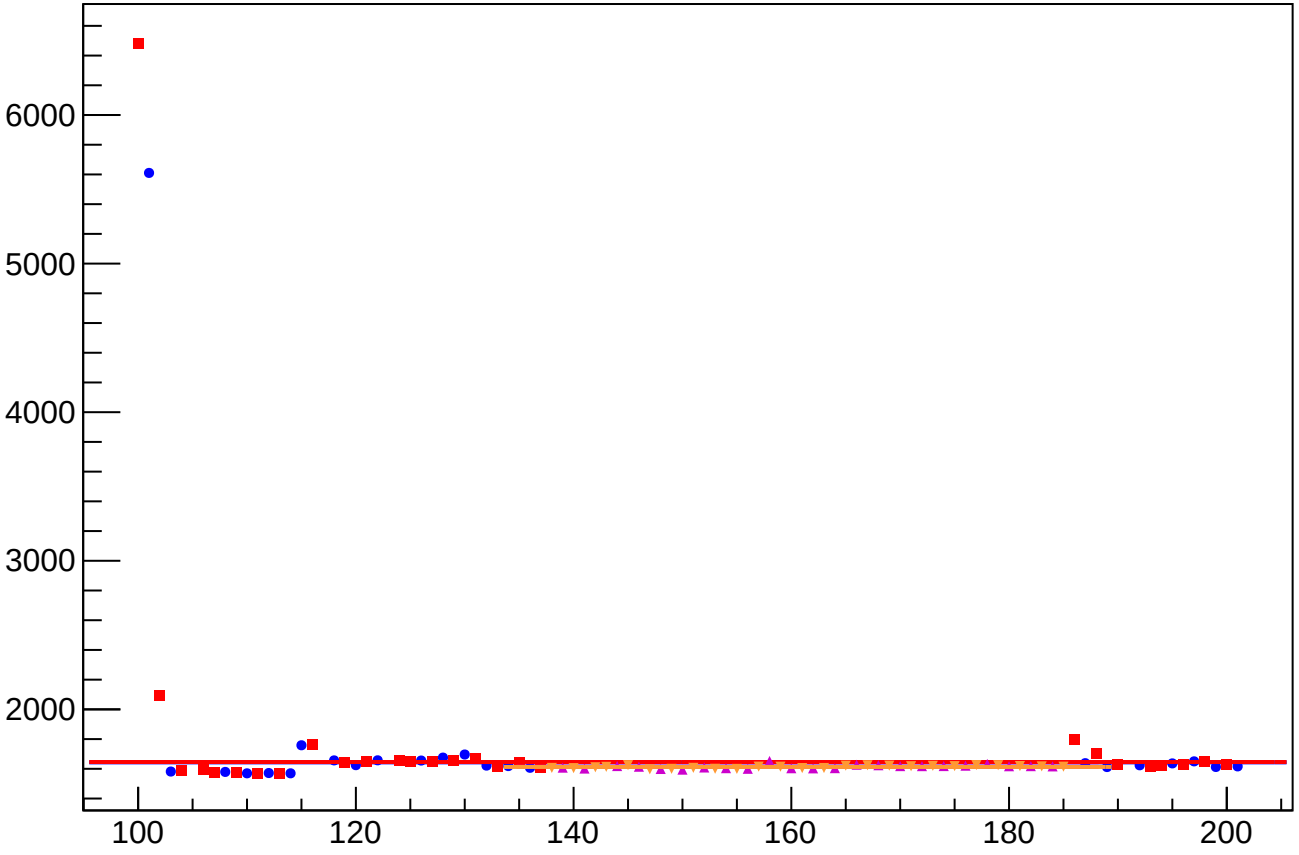
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2339.242+/-289.839 χ^2/NDF: 45.1/47

All: 4.303+/-204.861 χ^2/NDF: 224.9/97

- sign -2326.688+/-289.594 χ^2/NDF: 50.1/49

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: 1645.727+/-0.320 χ^2/NDF: 146104.2/26

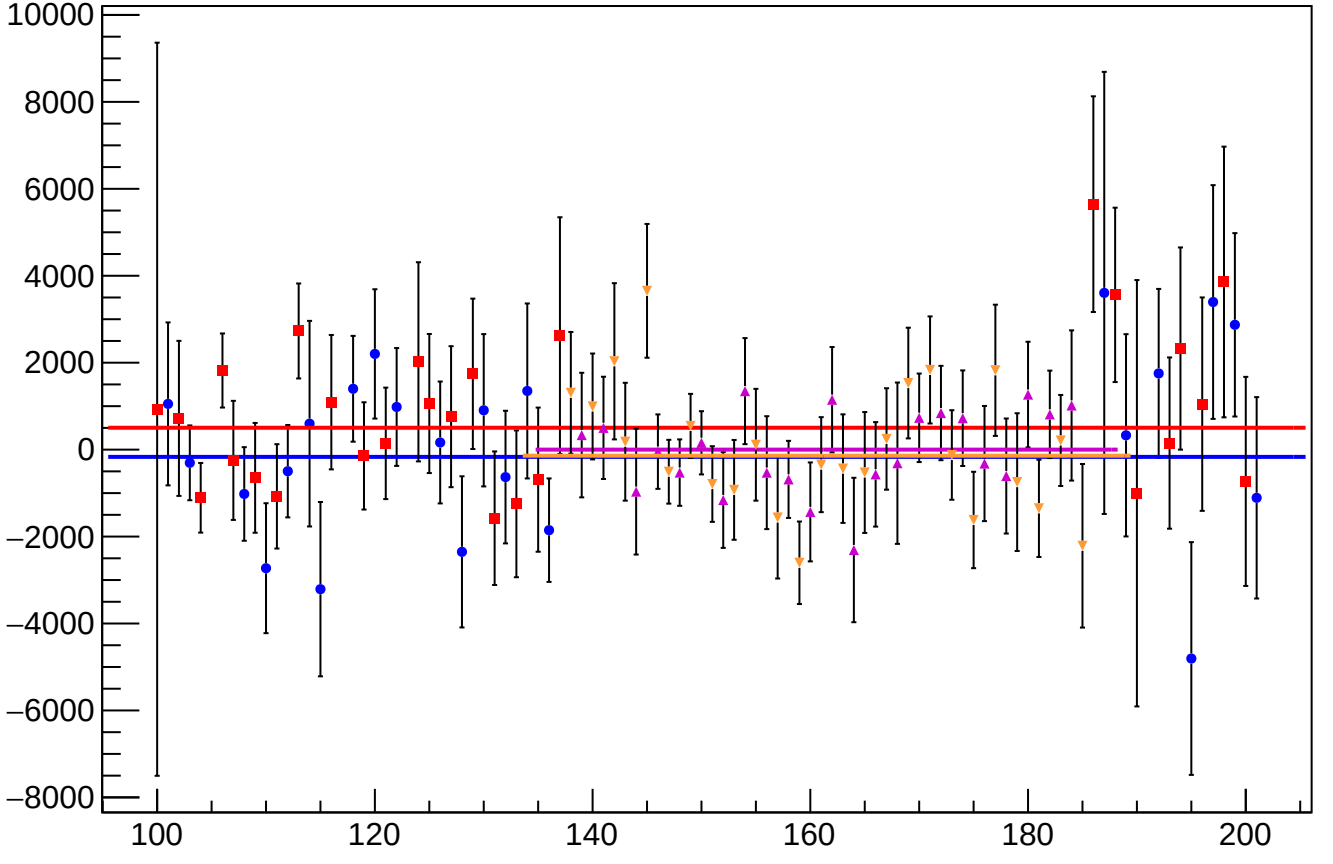
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.135+/-0.205 χ^2/NDF: 675452.3/47

All: 1625.500+/-0.145 χ^2/NDF: 829879.8/97

- sign 1626.864+/-0.205 χ^2/NDF: 154338.7/49

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: 503.684+/-294.295 χ^2/NDF: 27.9/26

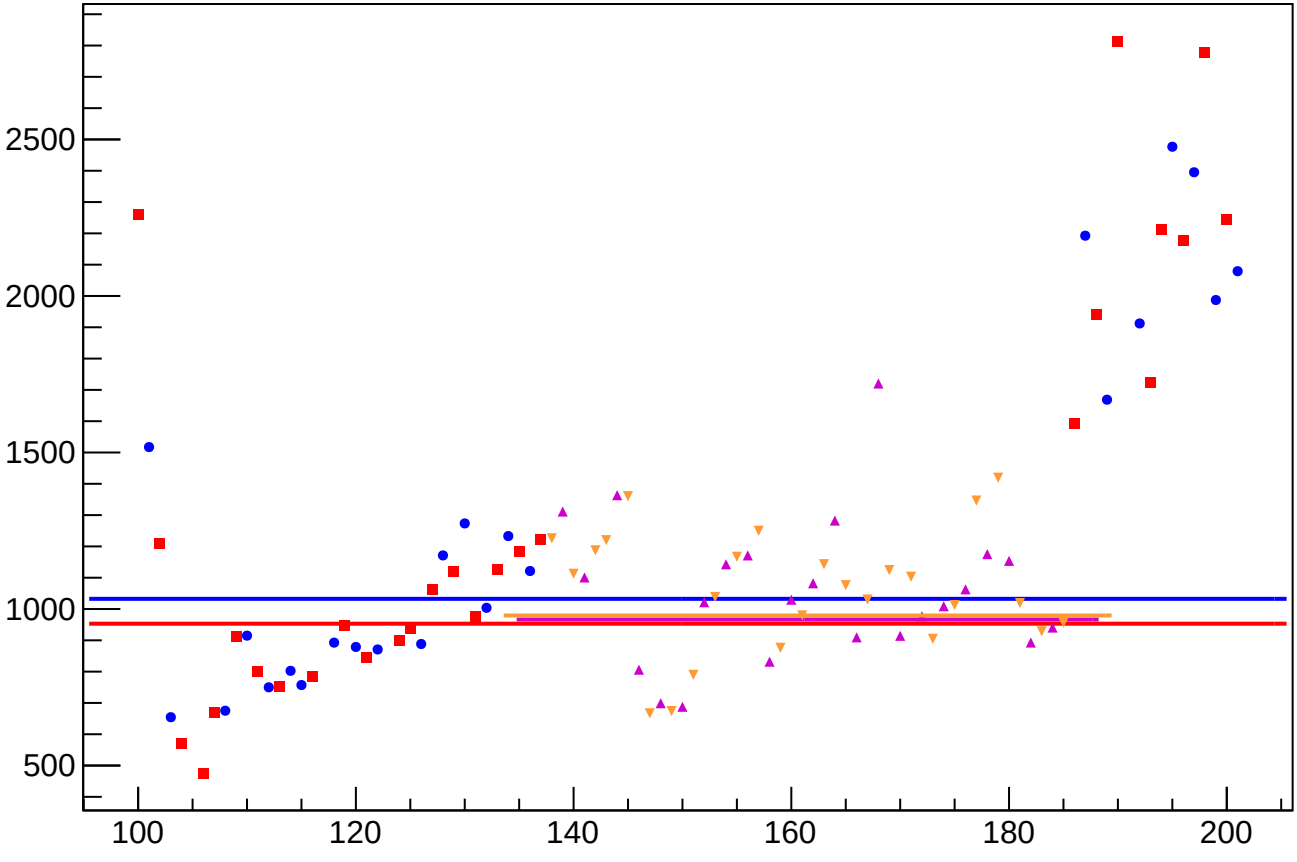
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -148.391+/-186.653 χ^2/NDF: 54.8/47

All: 26.477+/-130.361 χ^2/NDF: 99.1/97

- sign 193.004+/-182.148 χ^2/NDF: 42.6/49

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

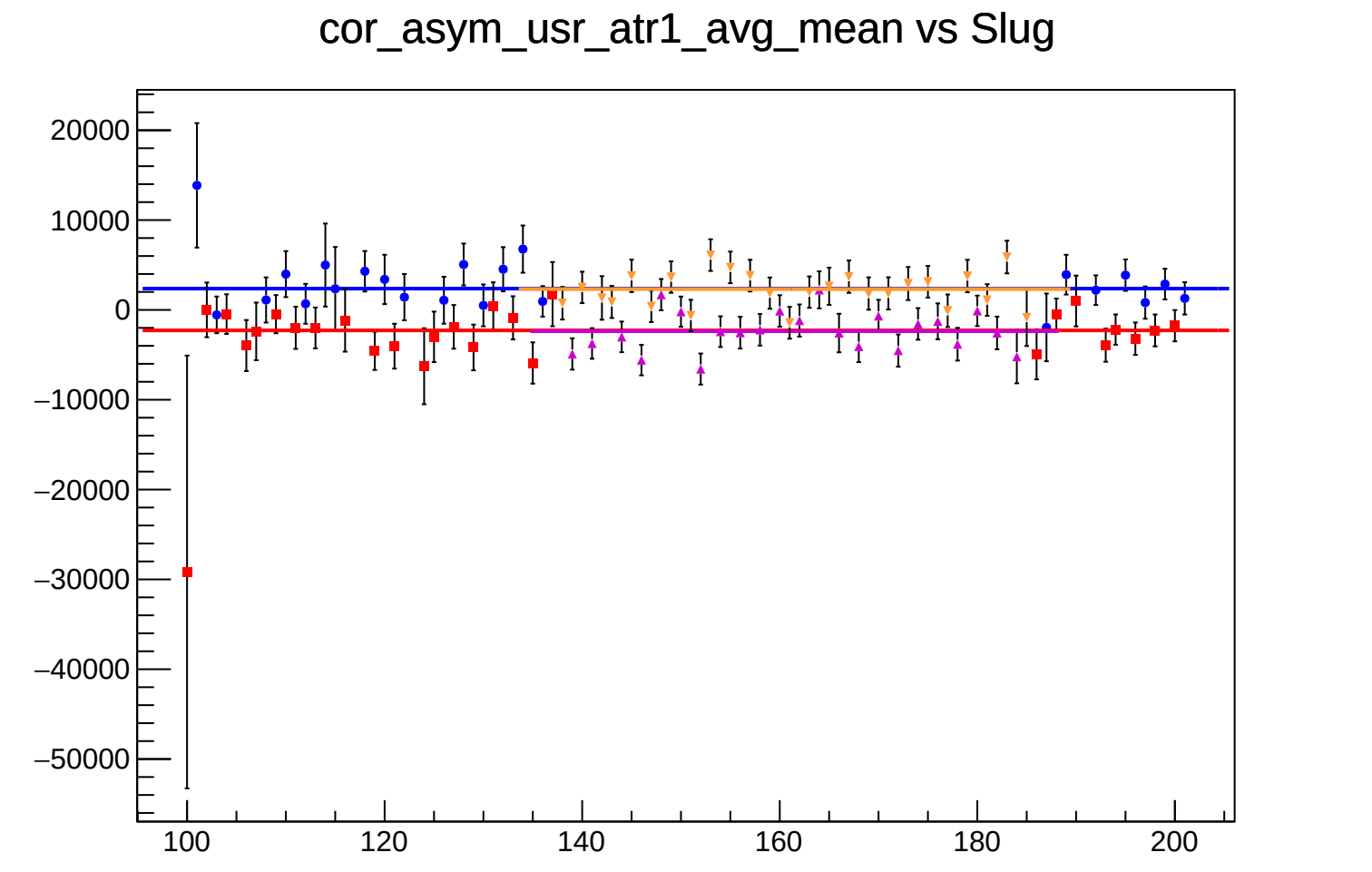
Right Out: 953.116+/-0.208 χ^2/NDF: 5069411.3/26

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 997.206+/-0.132 χ^2/NDF: 5374074.9/47

All: 978.860+/-0.092 χ^2/NDF: 12086364.4/97

- sign 961.389+/-0.129 χ^2/NDF: 6674569.2/49



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: -2281.959+/-452.858 χ^2/NDF: 16.6/26

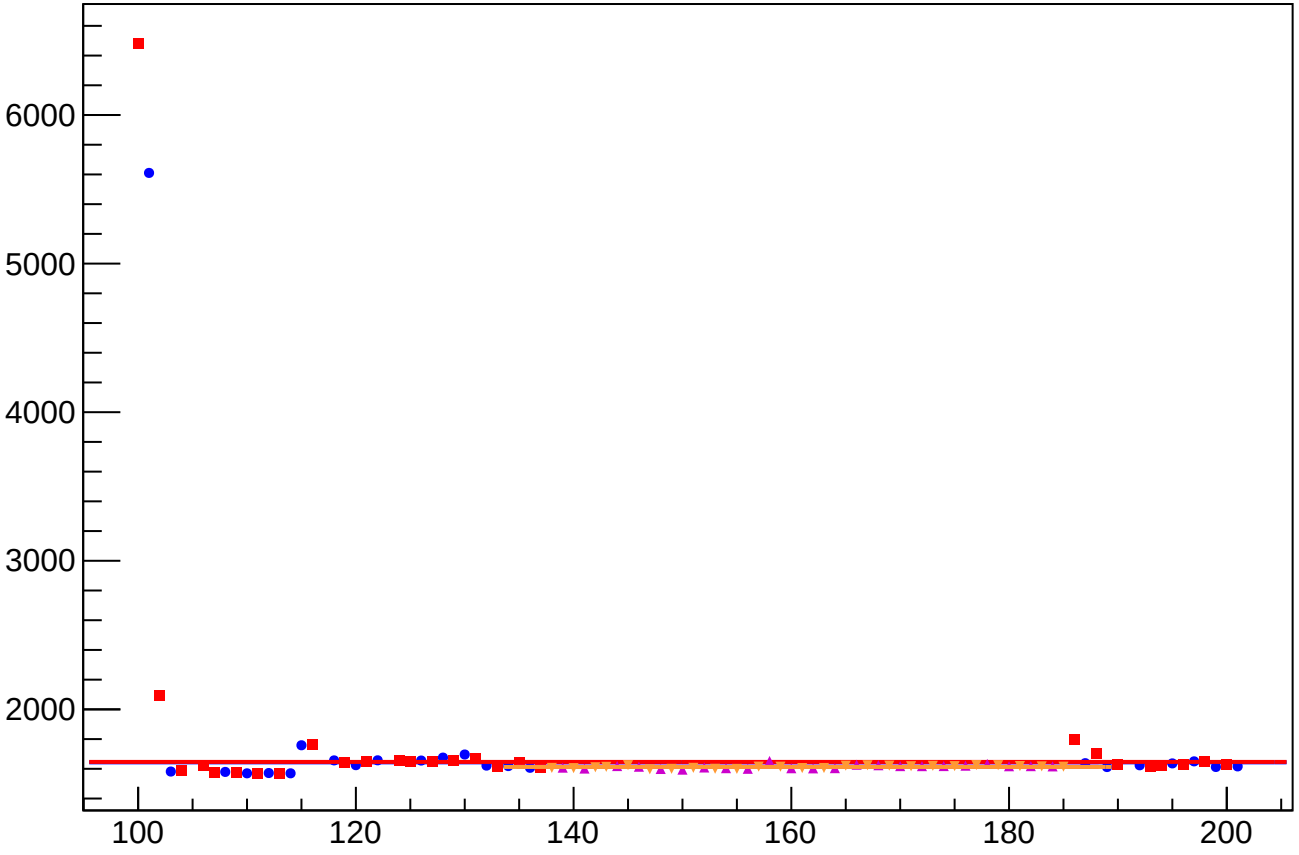
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2339.113+/-289.839 χ^2/NDF: 45.1/47

All: 0.814+/-204.880 χ^2/NDF: 225.5/97

- sign -2334.397+/-289.648 χ^2/NDF: 50.3/49

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: 1646.448+/-0.320 χ^2/NDF: 145561.2/26

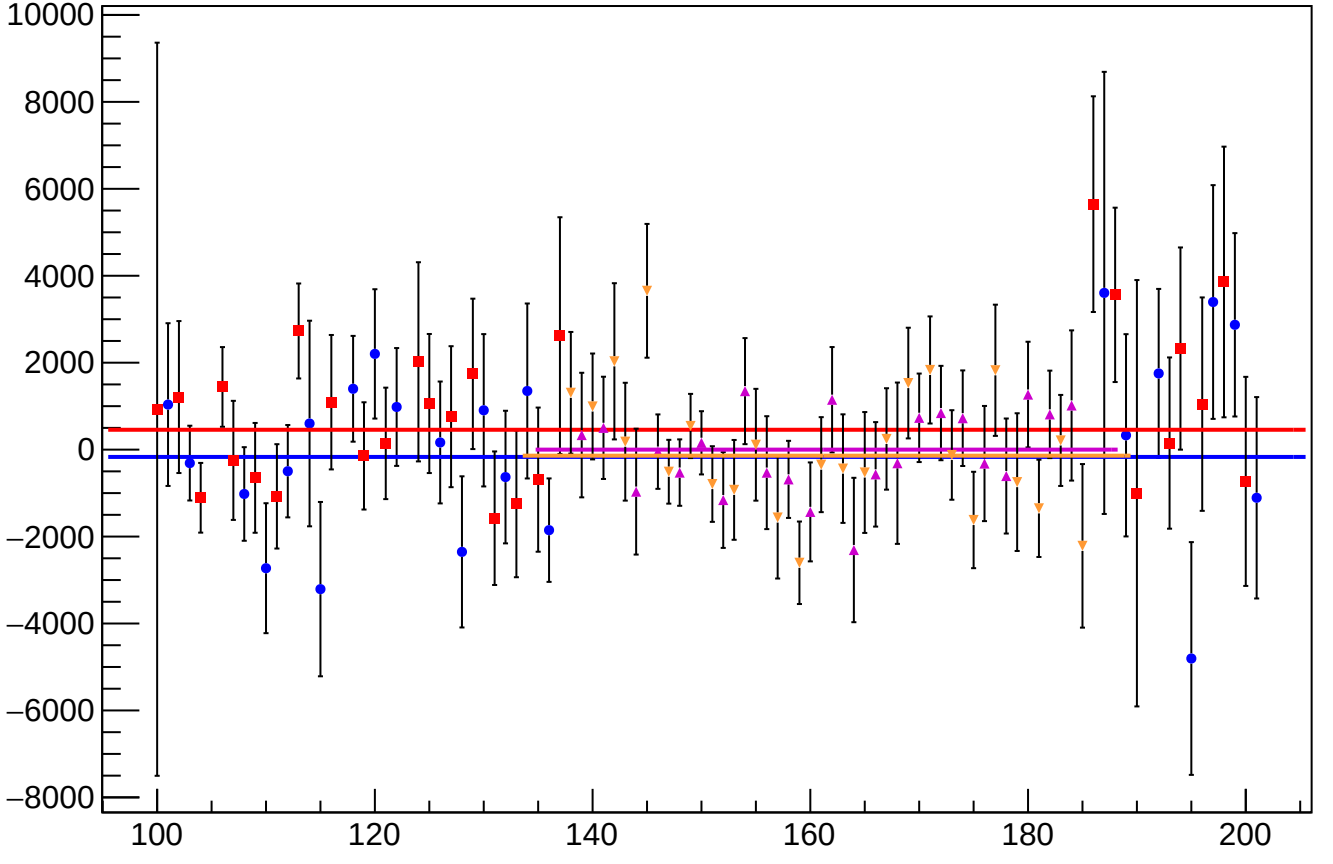
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.135+/-0.205 χ^2/NDF: 675451.8/47

All: 1625.644+/-0.145 χ^2/NDF: 829621.2/97

- sign 1627.152+/-0.205 χ^2/NDF: 154060.9/49

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

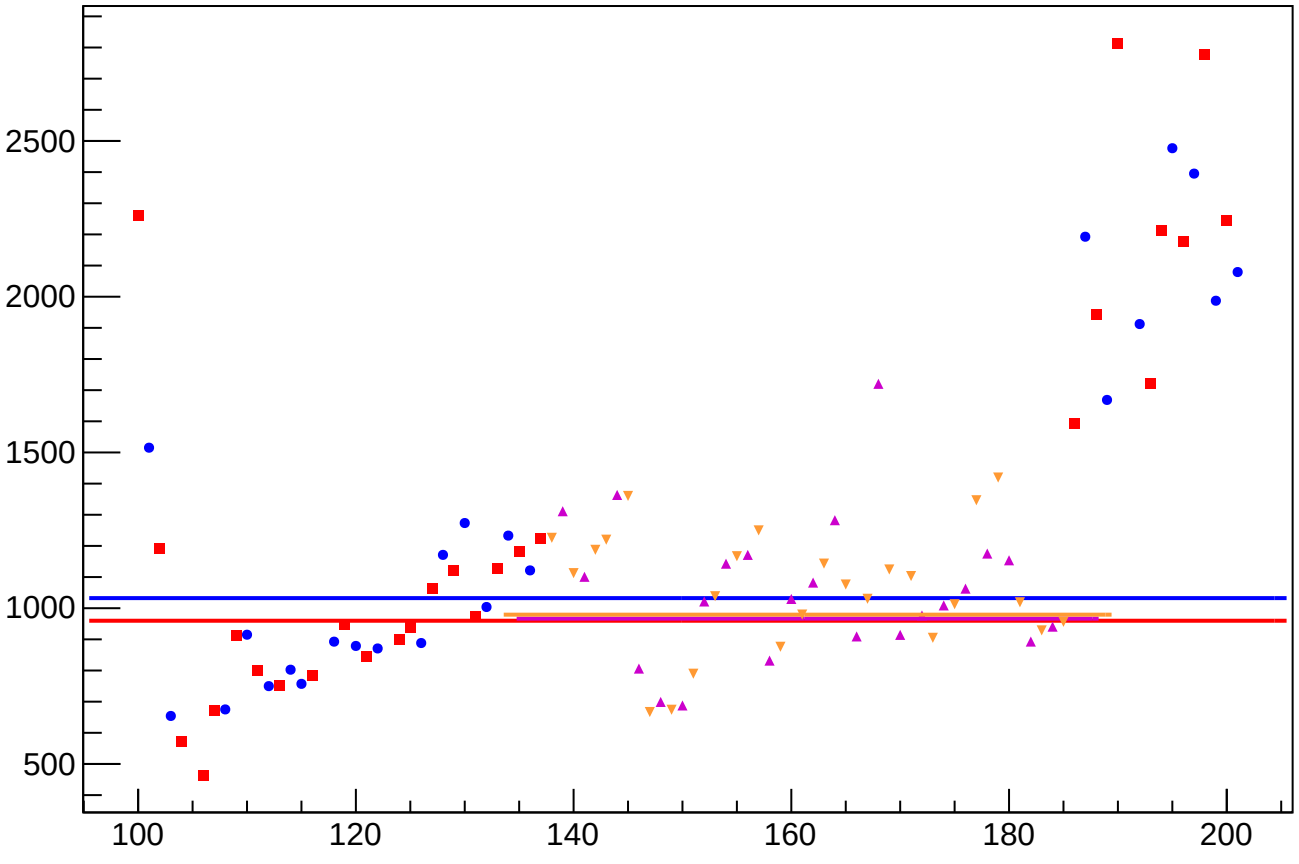
Right Out: 456.977+/-296.597 χ^2/NDF: 26.7/26

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -148.827+/-186.645 χ^2/NDF: 54.8/47

All: 15.746+/-130.557 χ^2/NDF: 97.4/97

- sign 173.419+/-182.690 χ^2/NDF: 41.0/49



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: 959.792+/-0.210 χ^2/NDF: 5001672.1/26

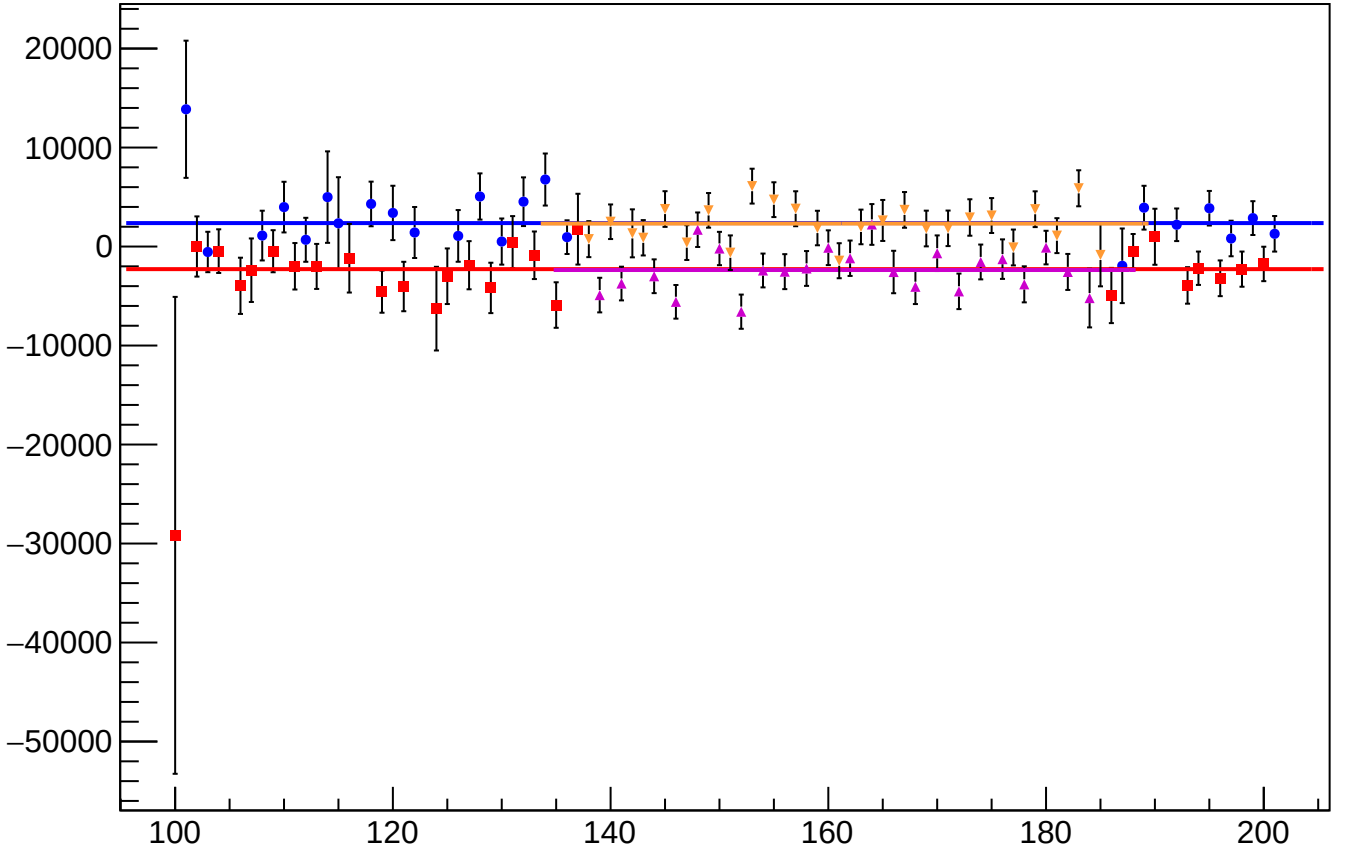
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 997.164+/-0.132 χ^2/NDF: 5374382.2/47

All: 980.214+/-0.092 χ^2/NDF: 12011553.7/97

- sign 963.975+/-0.129 χ^2/NDF: 6604875.0/49

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: -2281.959+/-452.858 χ^2/NDF: 16.6/26

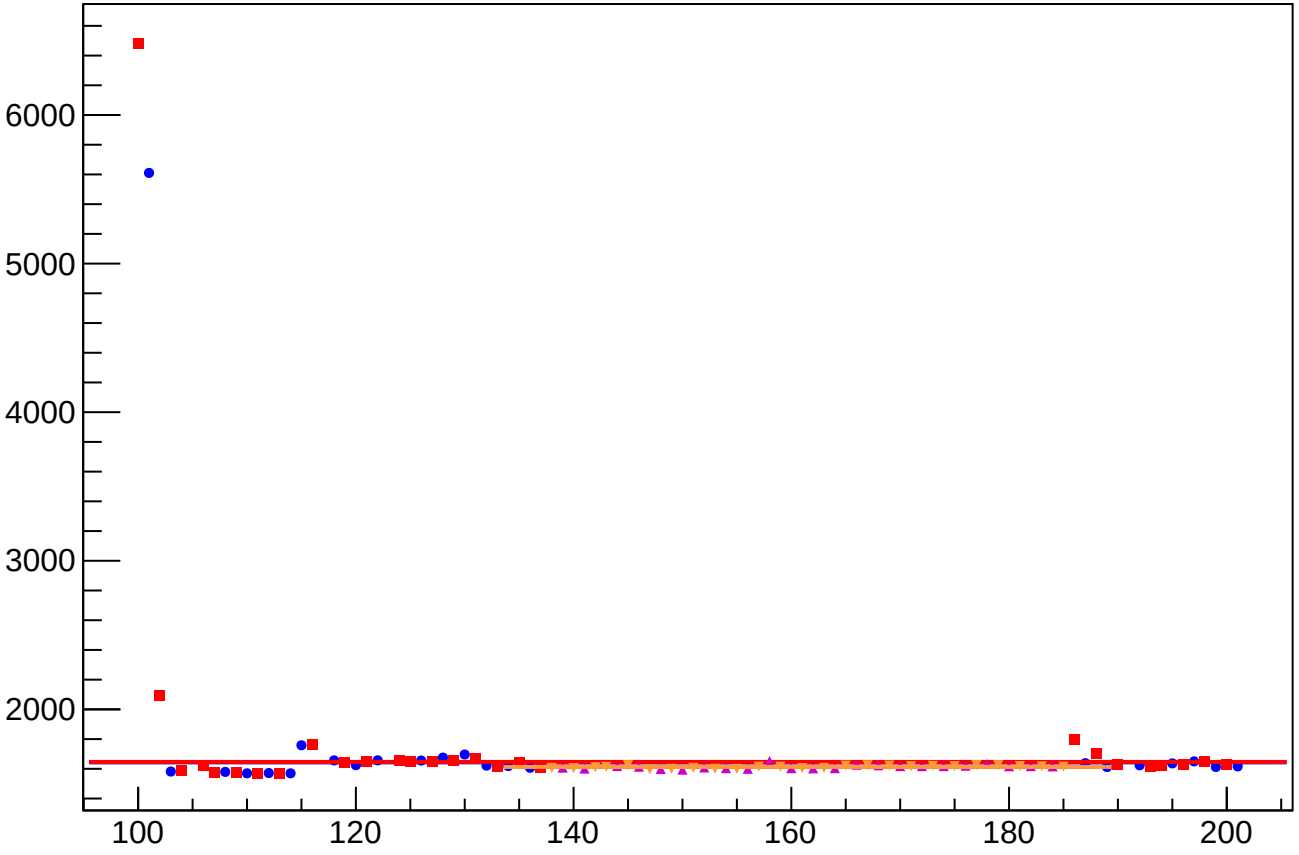
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2339.113+/-289.839 χ^2/NDF: 45.1/47

All: 0.814+/-204.880 χ^2/NDF: 225.5/97

- sign -2334.397+/-289.648 χ^2/NDF: 50.3/49

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

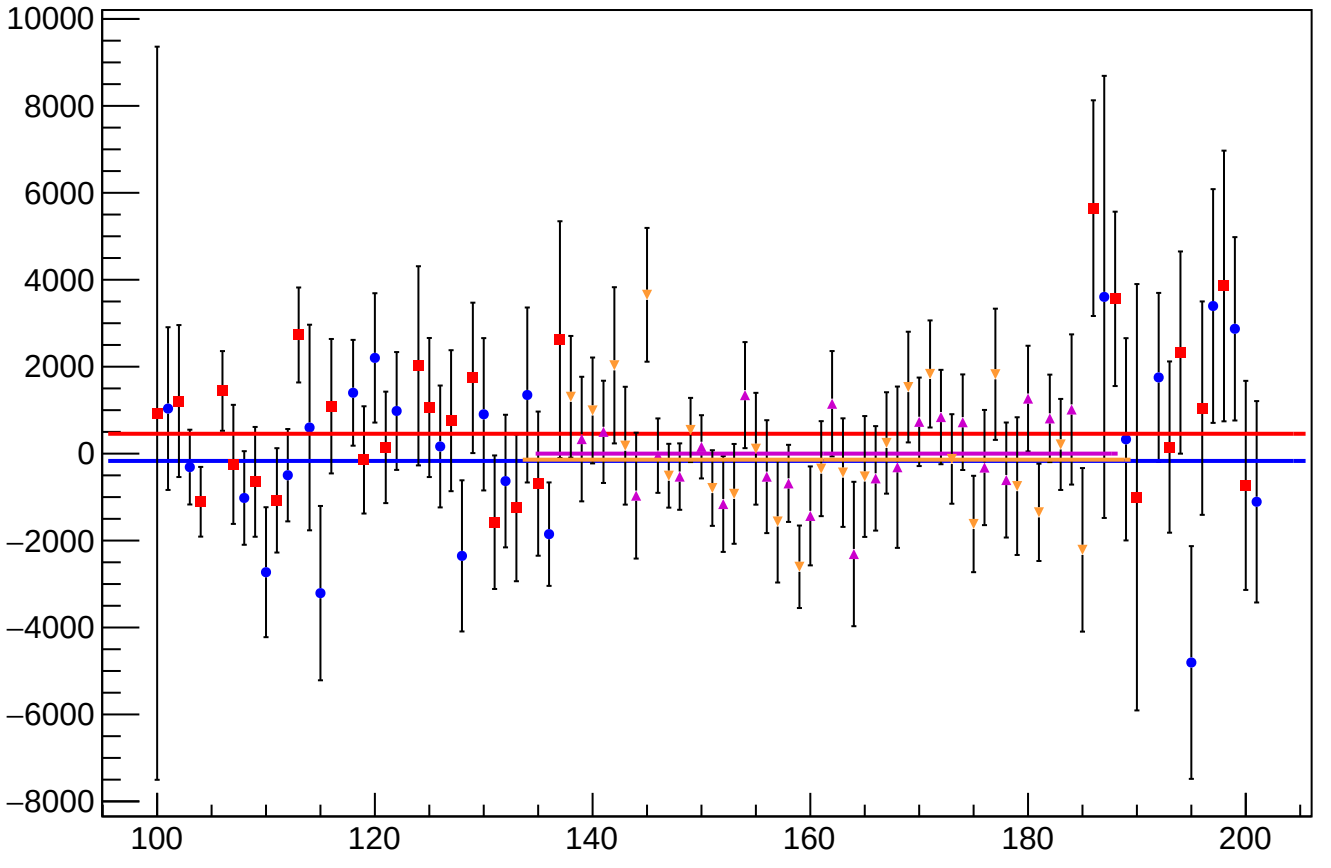
Right Out: 1646.448+/-0.320 χ^2/NDF: 145561.2/26

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.135+/-0.205 χ^2/NDF: 675451.8/47

All: 1625.644+/-0.145 χ^2/NDF: 829621.2/97

- sign 1627.152+/-0.205 χ^2/NDF: 154060.9/49



Right In: -168.065+/-321.788 χ^2/NDF: 24.7/22

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

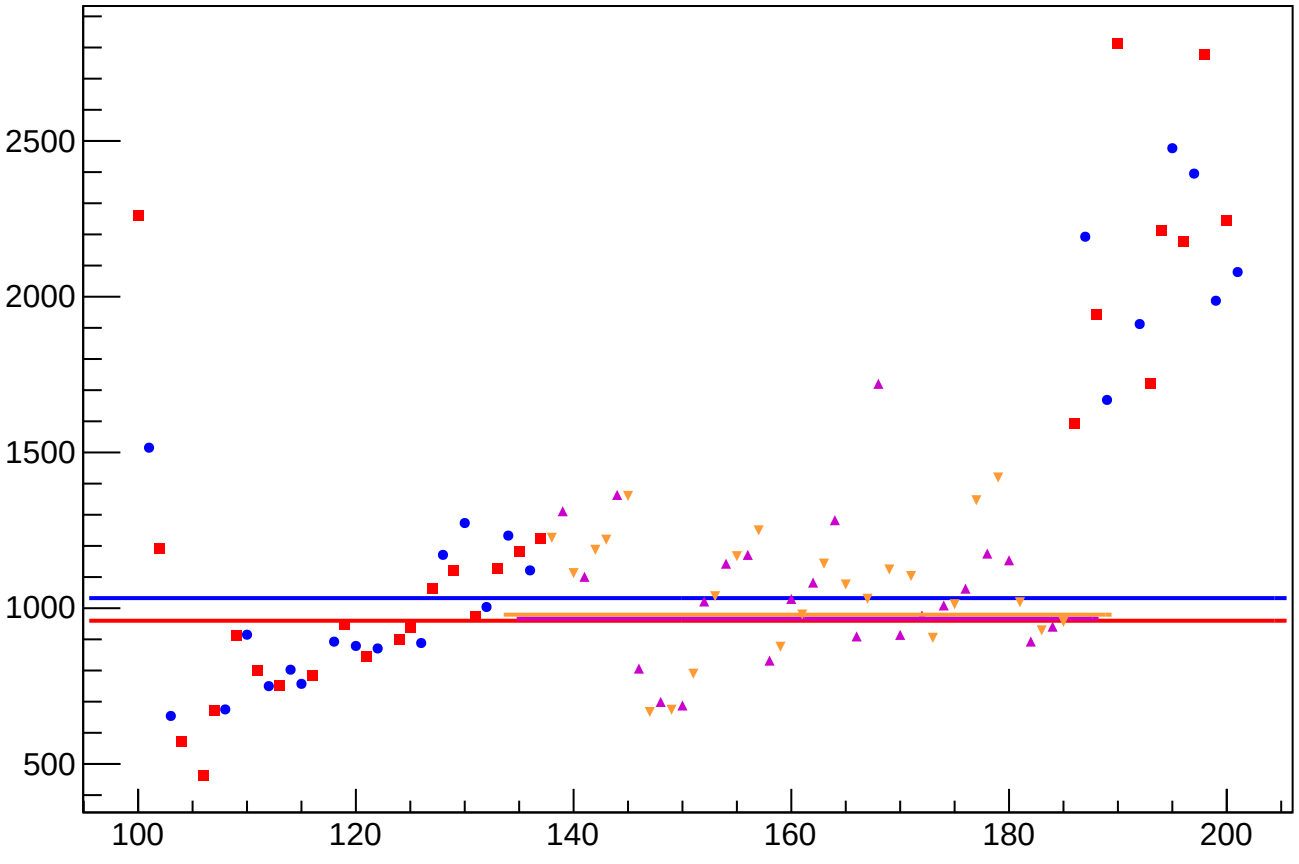
Right Out: 456.977+/-296.597 χ^2/NDF: 26.7/26

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -148.827+/-186.645 χ^2/NDF: 54.8/47

All: 15.746+/-130.557 χ^2/NDF: 97.4/97

- sign 173.419+/-182.690 χ^2/NDF: 41.0/49



Right In: 1032.420+/-0.228 χ^2/NDF: 3707468.9/22

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

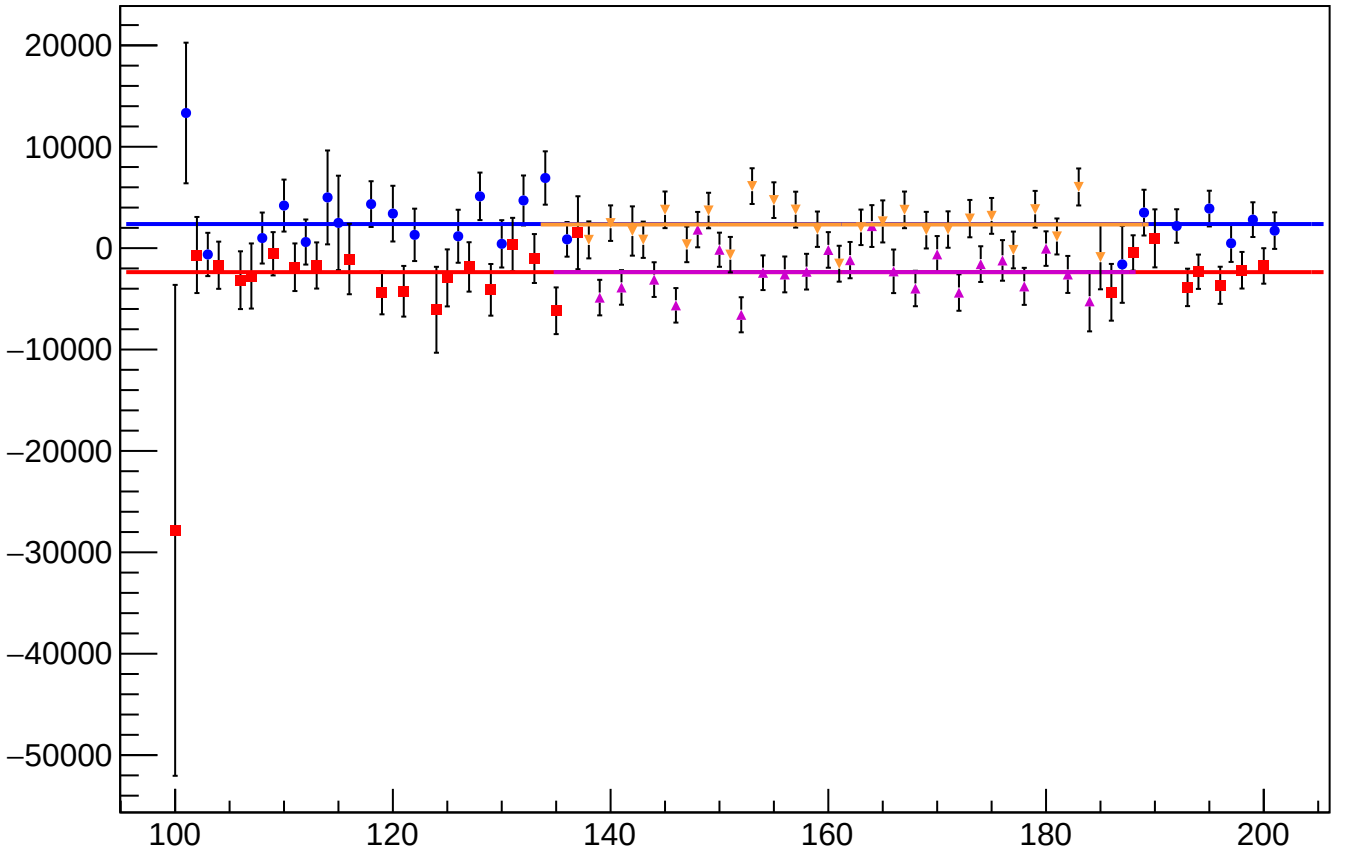
Right Out: 959.792+/-0.210 χ^2/NDF: 5001672.1/26

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 997.164+/-0.132 χ^2/NDF: 5374382.2/47

All: 980.214+/-0.092 χ^2/NDF: 12011553.7/97

- sign 963.975+/-0.129 χ^2/NDF: 6604875.0/49



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: -2365.778+/-457.558 χ^2/NDF: 14.9/26

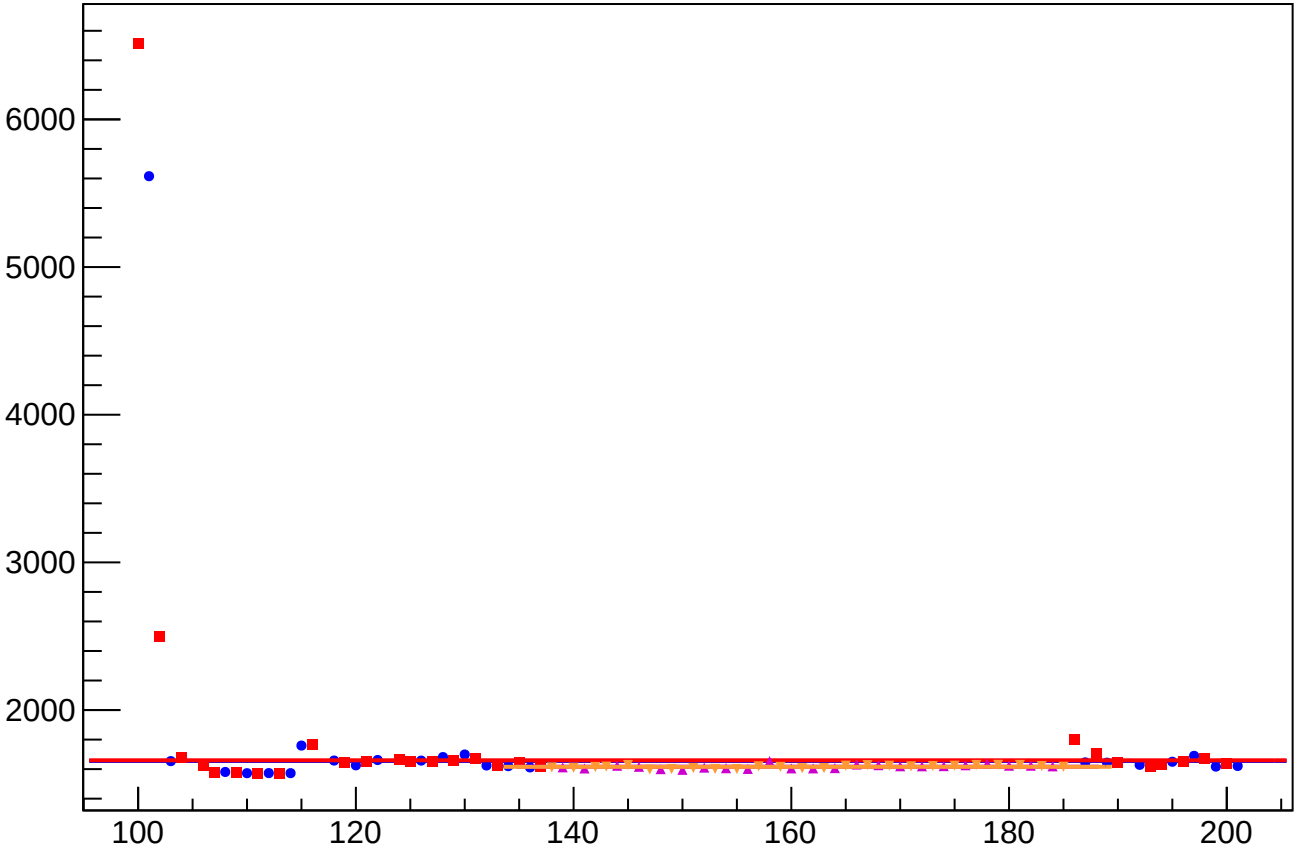
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

\+ sign 2350.277+/-290.968 χ^2/NDF: 45.9/47

All: -4.699+/-205.807 χ^2/NDF: 225.9/97

\- sign -2362.511+/-291.143 χ^2/NDF: 48.9/49

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: 1659.644+/-0.324 χ^2/NDF: 201982.0/26

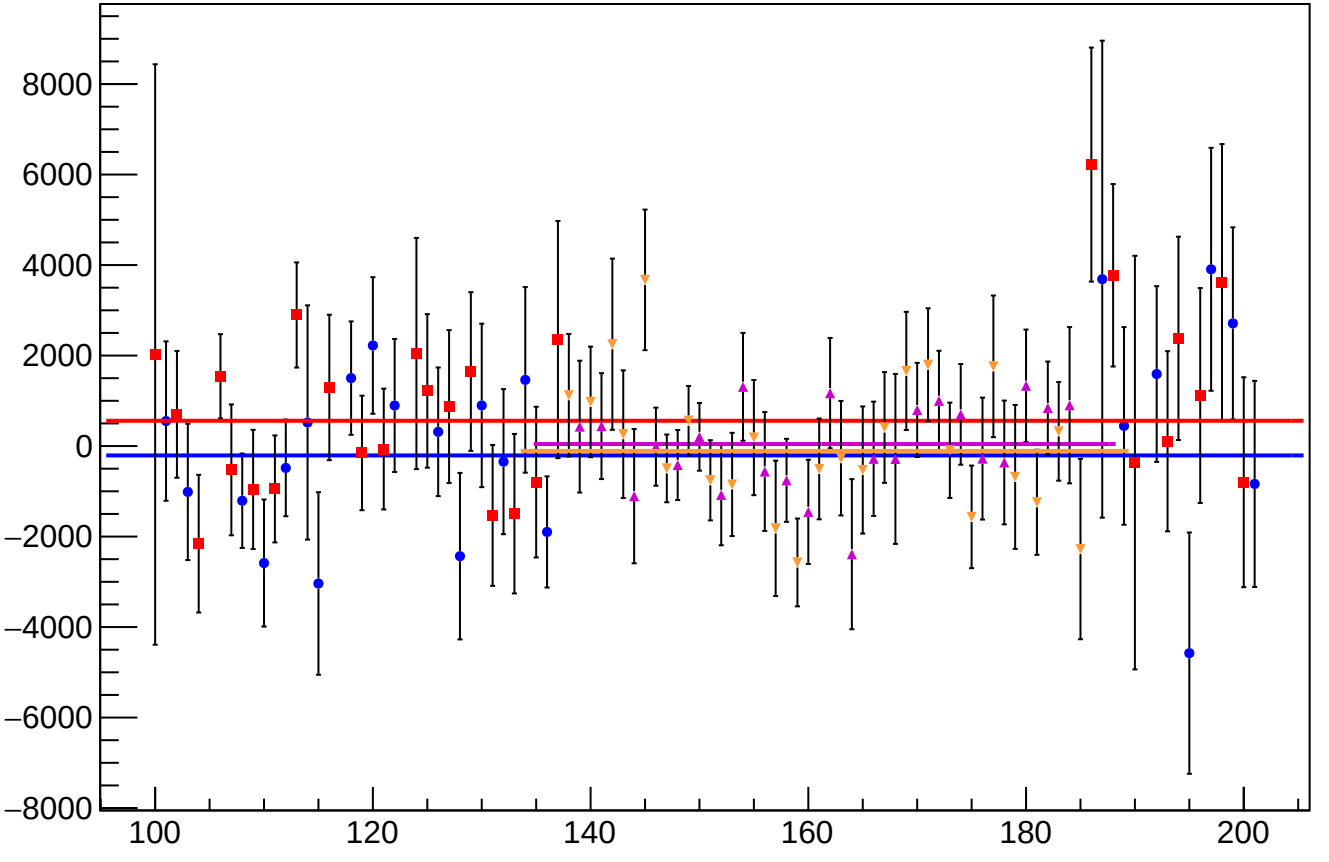
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.371+/-0.206 χ^2/NDF: 676659.2/47

All: 1632.127+/-0.146 χ^2/NDF: 891995.7/97

- sign 1633.885+/-0.206 χ^2/NDF: 215190.8/49

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -207.109+/-341.163 χ^2/NDF: 24.4/22

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

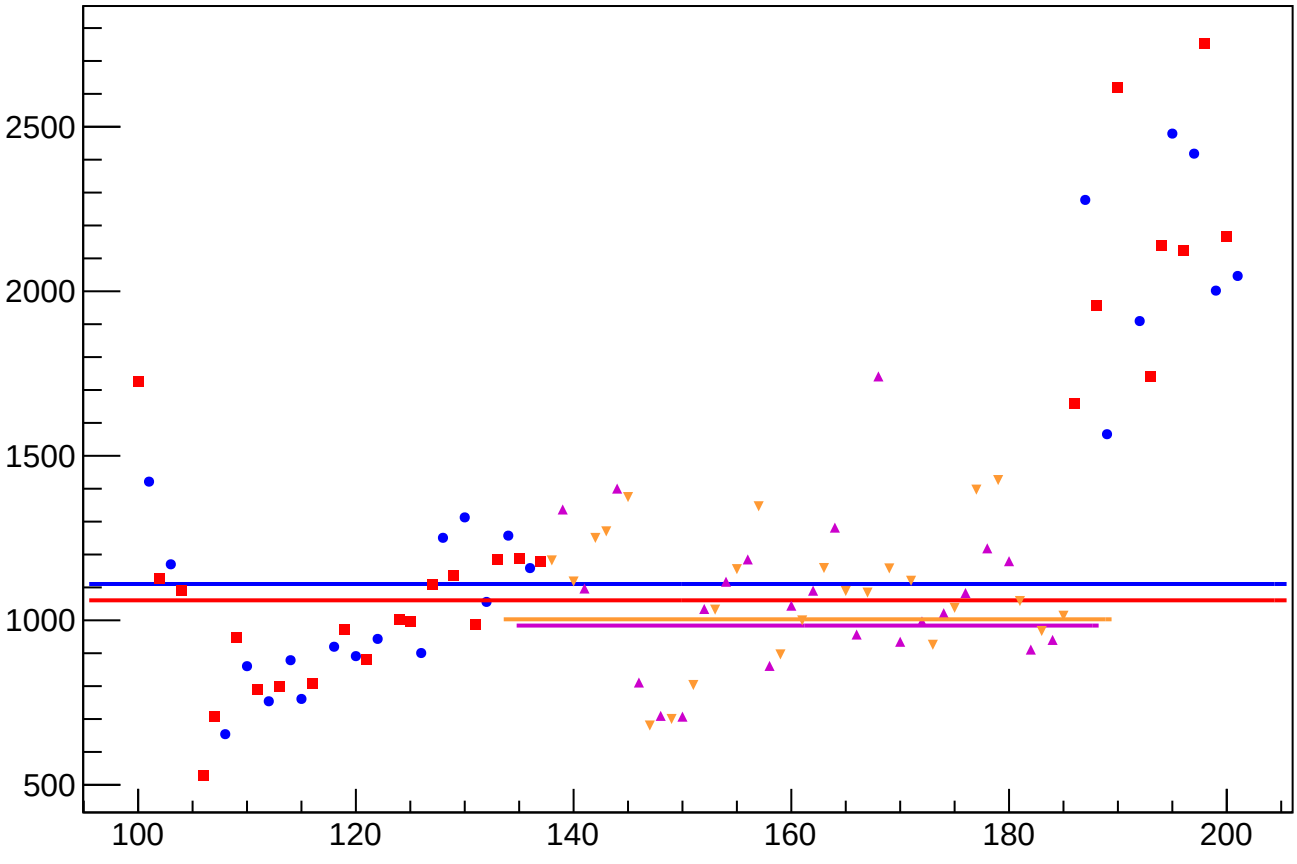
Right Out: 559.094+/-316.502 χ^2/NDF: 27.3/26

Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -138.635+/-193.142 χ^2/NDF: 53.5/47

All: 48.647+/-135.105 χ^2/NDF: 97.2/97

- sign 228.089+/-189.057 χ^2/NDF: 41.8/49



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: 1060.783+/-0.224 χ^2/NDF: 4053607.9/26

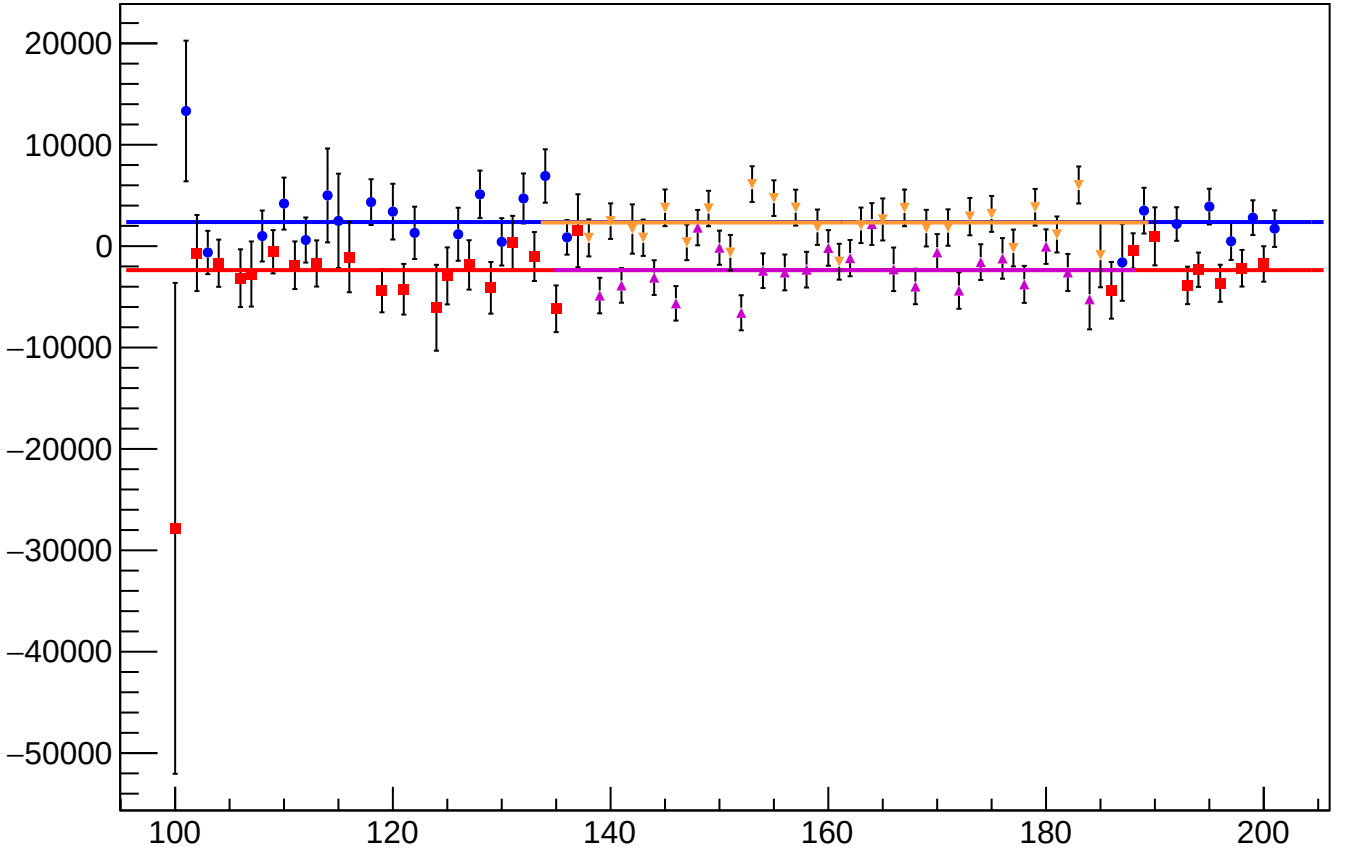
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1037.500+/-0.137 χ^2/NDF: 4970247.2/47

All: 1024.187+/-0.096 χ^2/NDF: 10677627.2/9

- sign 1011.431+/-0.134 χ^2/NDF: 5688772.9/49

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: -2365.776+/-457.558 χ^2/NDF: 14.9/26

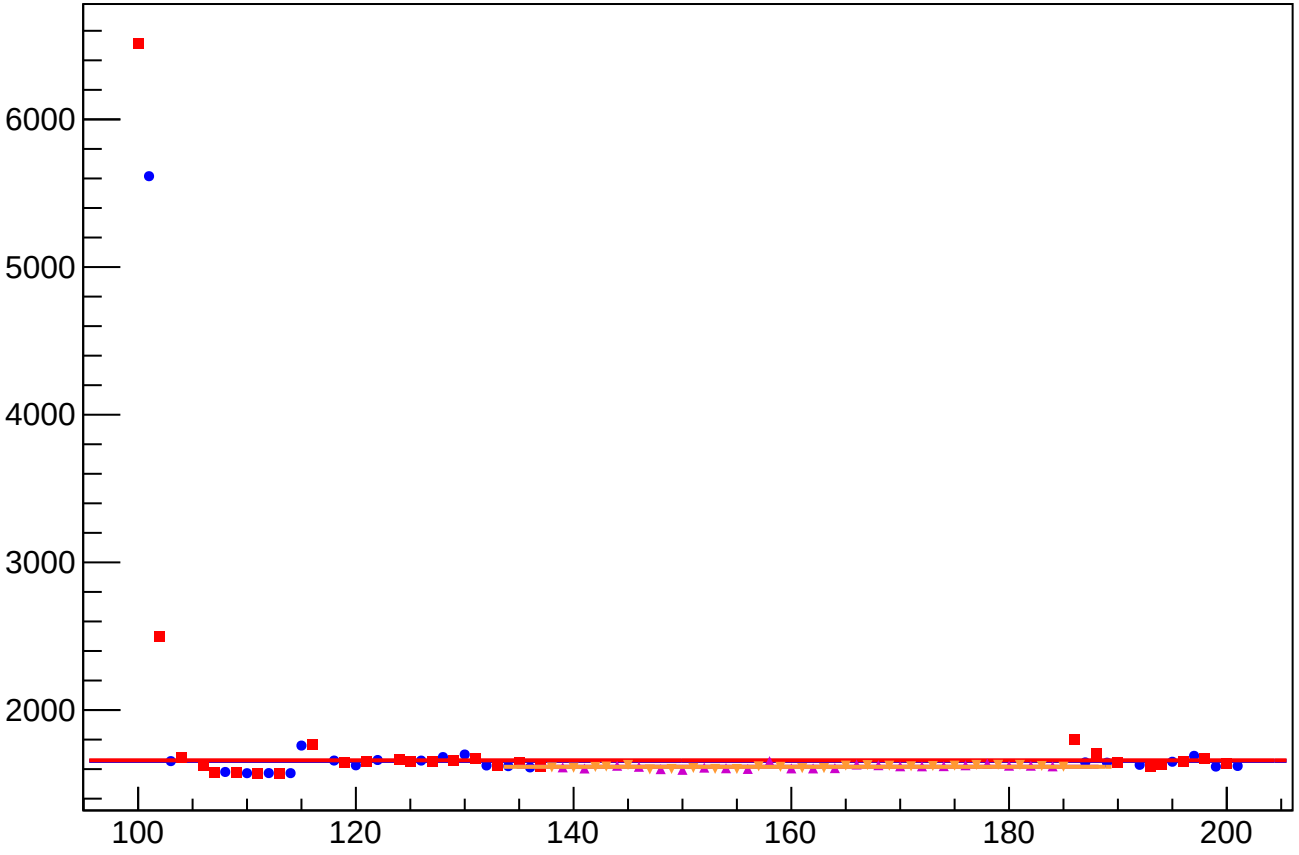
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2350.277+/-290.968 χ^2/NDF: 45.9/47

All: -4.699+/-205.807 χ^2/NDF: 225.9/97

- sign -2362.510+/-291.143 χ^2/NDF: 48.9/49

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

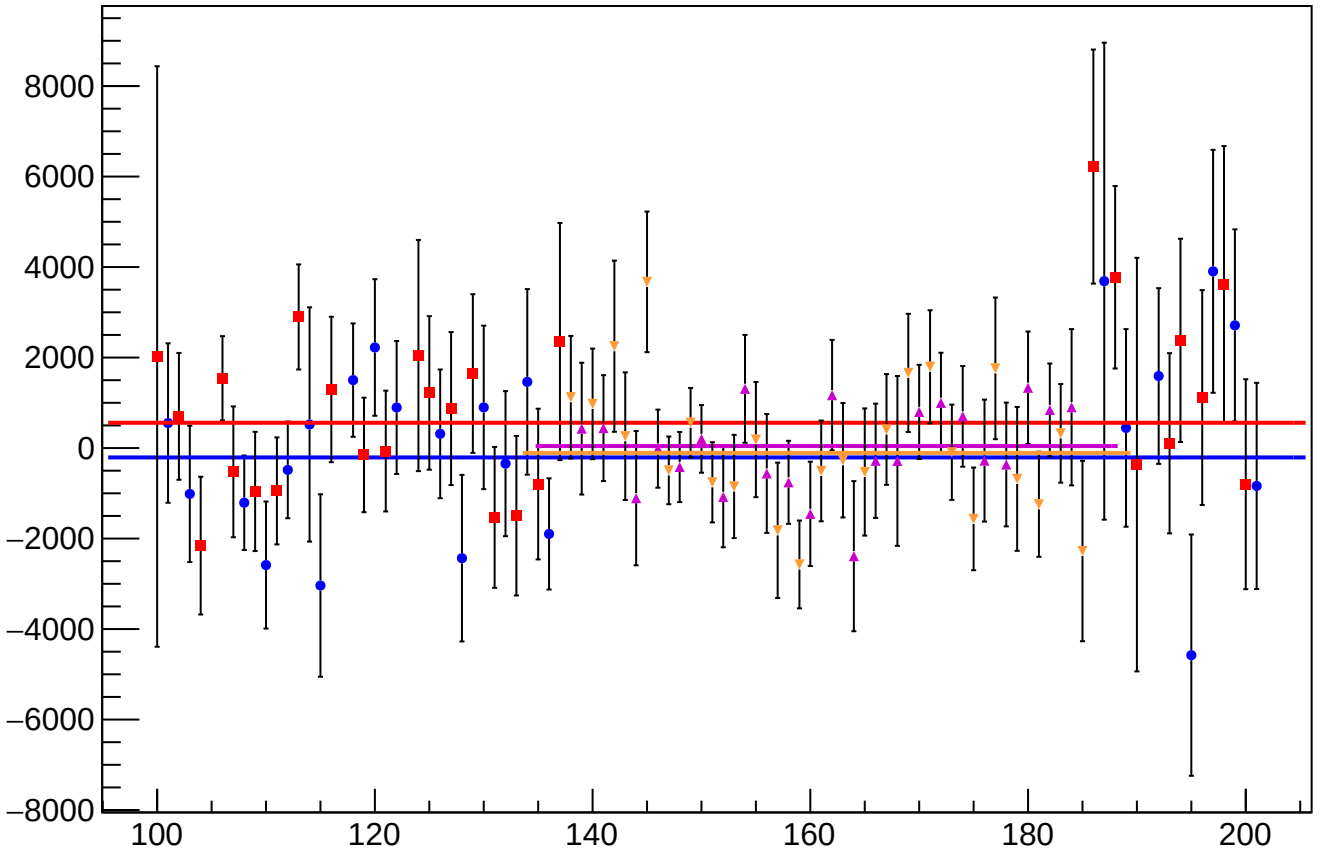
Right Out: 1659.644+/-0.324 χ^2/NDF: 201981.9/26

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.371+/-0.206 χ^2/NDF: 676659.2/47

All: 1632.127+/-0.146 χ^2/NDF: 891995.5/97

- sign 1633.885+/-0.206 χ^2/NDF: 215190.6/49



Right In: -207.110+/-341.162 χ^2/NDF: 24.4/22

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

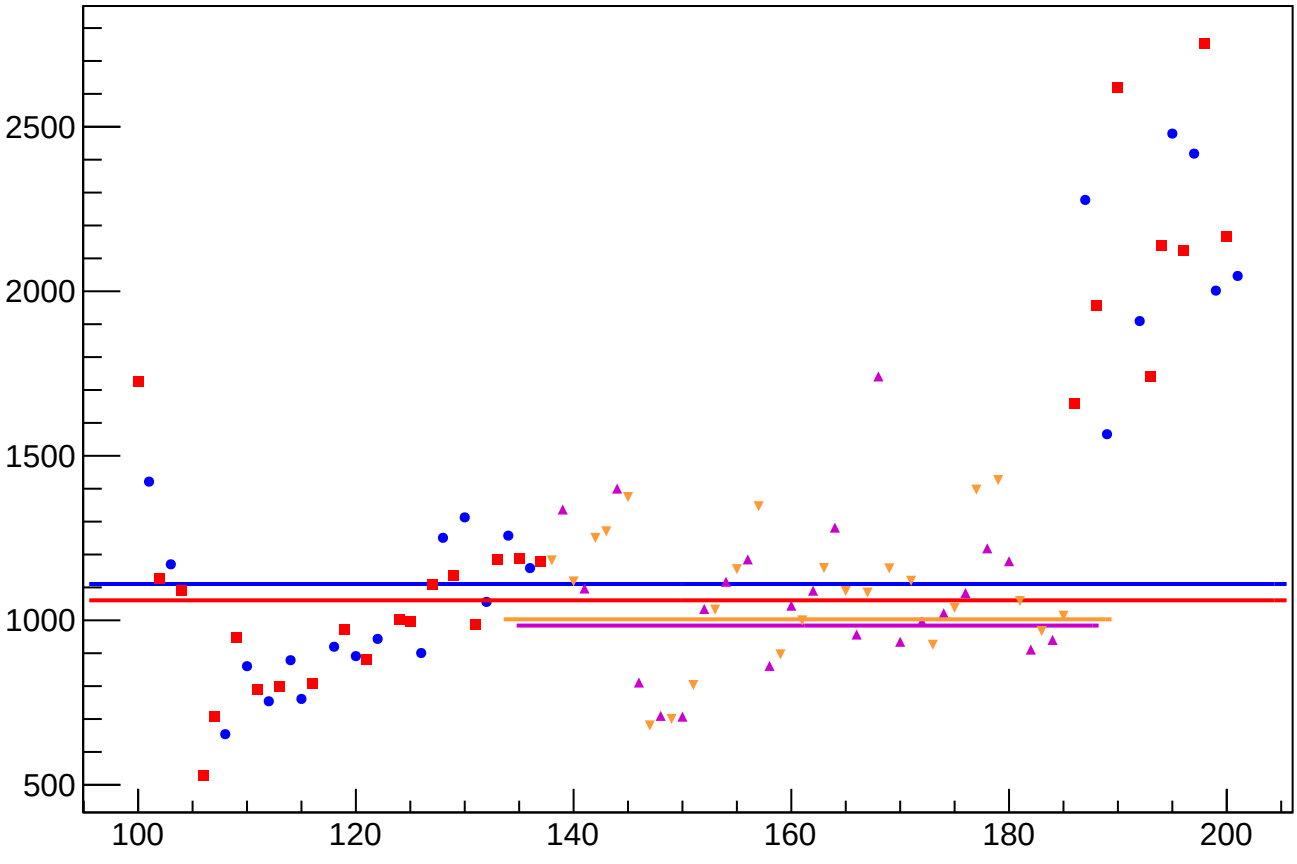
Right Out: 559.091+/-316.501 χ^2/NDF: 27.3/26

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -138.637+/-193.142 χ^2/NDF: 53.5/47

All: 48.646+/-135.105 χ^2/NDF: 97.2/97

- sign 228.089+/-189.057 χ^2/NDF: 41.8/49



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: 1060.780+/-0.224 χ^2/NDF: 4053630.2/26

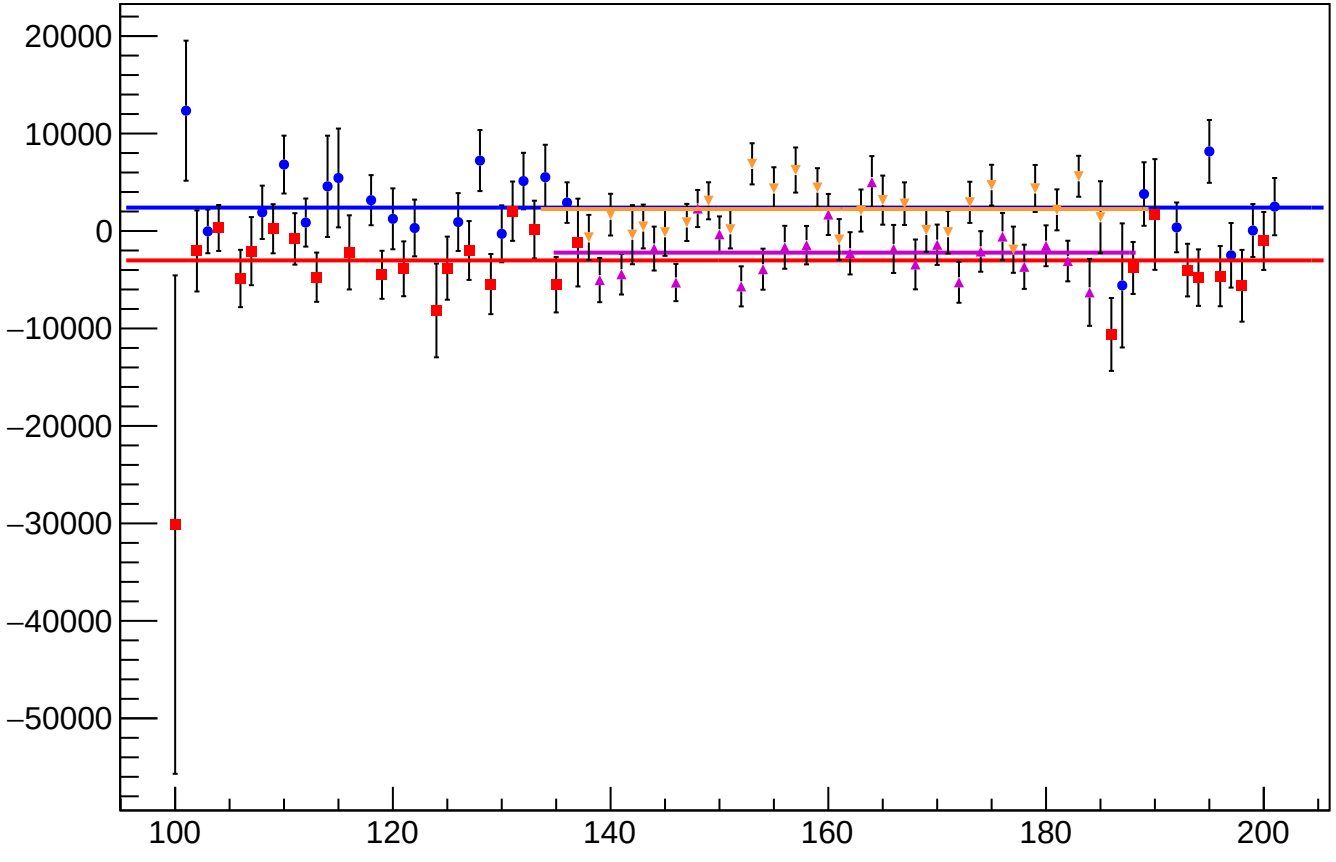
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1037.500+/-0.137 χ^2/NDF: 4970269.0/47

All: 1024.187+/-0.096 χ^2/NDF: 10677663.7/9

- sign 1011.431+/-0.134 χ^2/NDF: 5688787.7/49

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: -3018.237+/-598.194 χ^2/NDF: 20.4/26

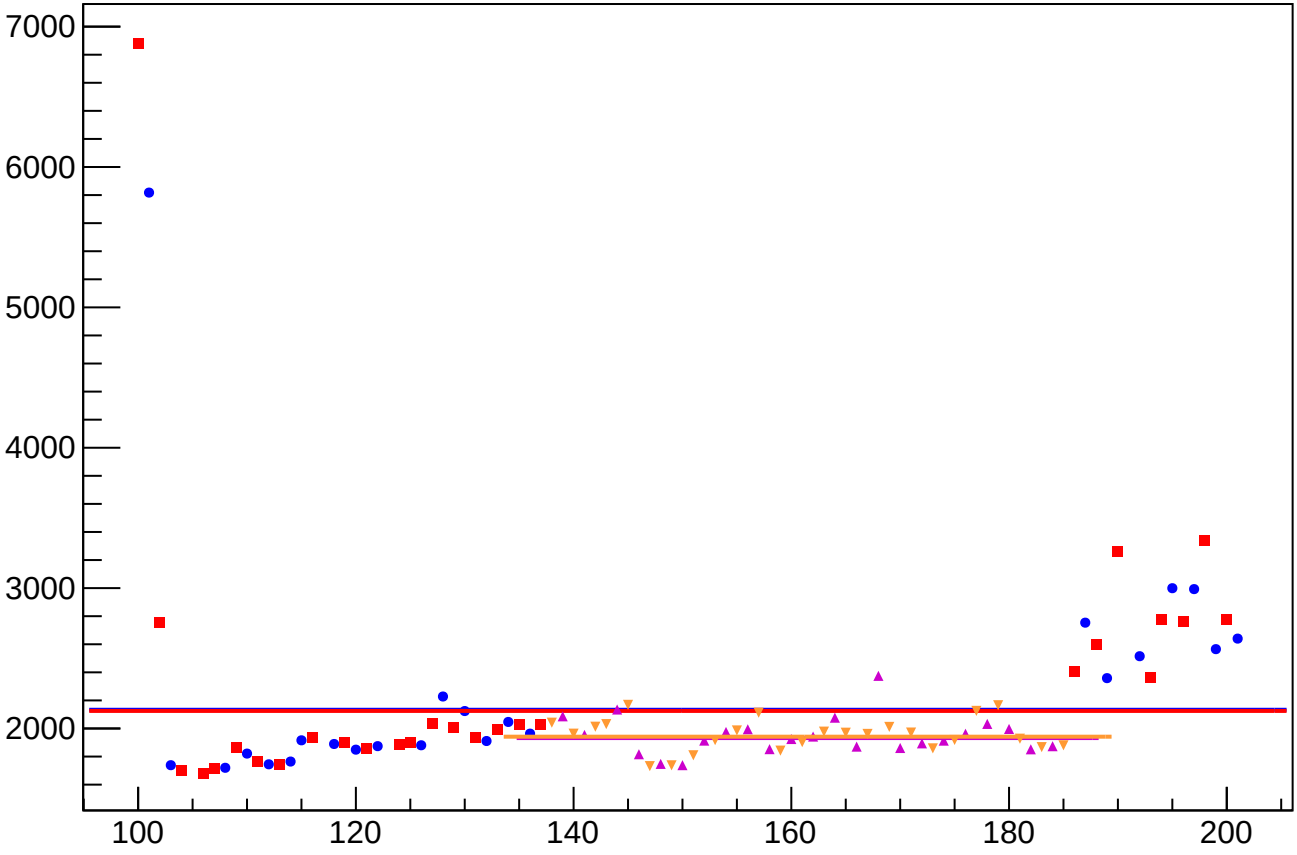
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2301.846+/-360.960 χ^2/NDF: 49.2/47

All: -105.312+/-255.171 χ^2/NDF: 191.1/97

- sign -2509.964+/-360.772 χ^2/NDF: 53.0/49

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: 2125.152+/-0.423 χ^2/NDF: 1104812.5/26

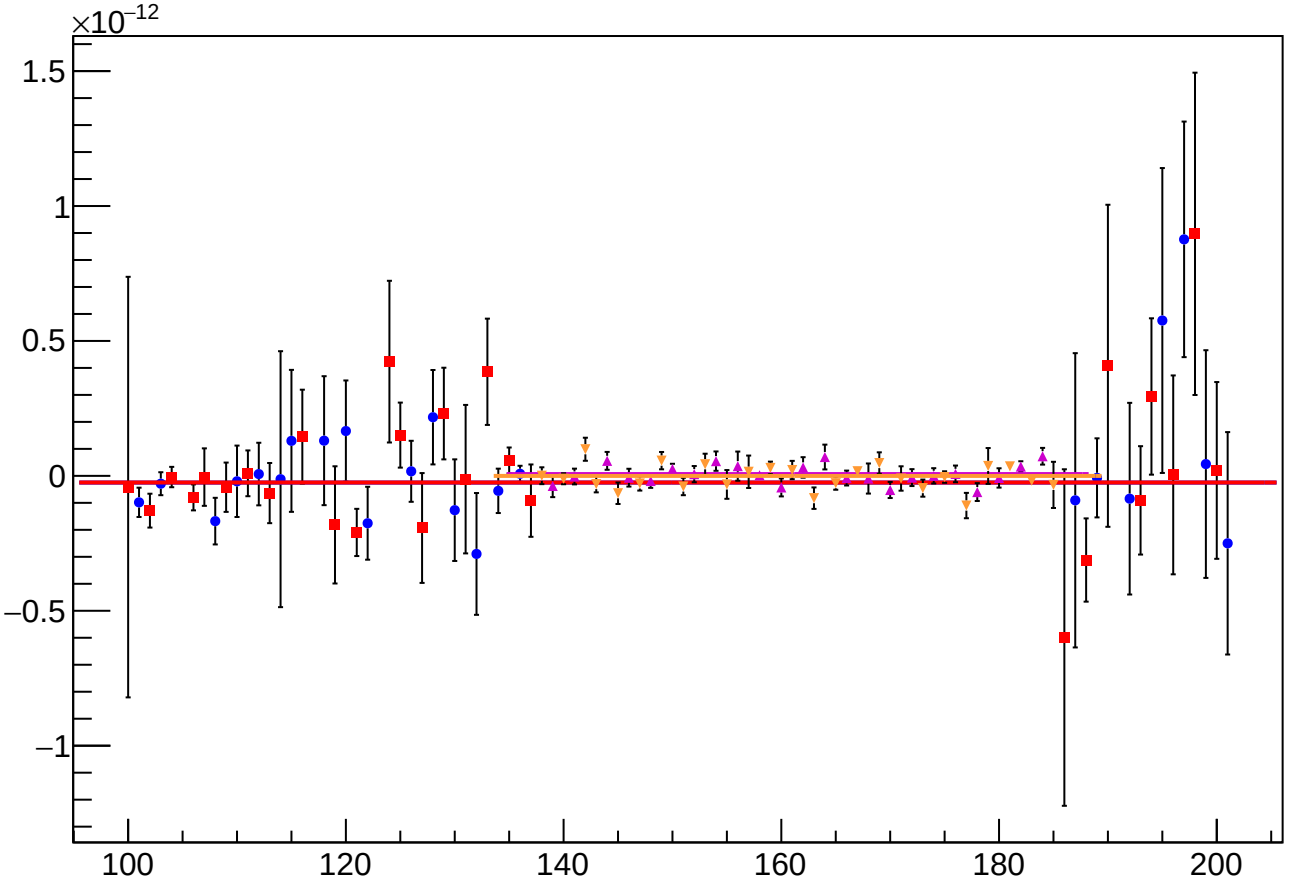
Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2005.564+/-0.255 χ^2/NDF: 1539172.0/47

All: 2003.850+/-0.180 χ^2/NDF: 2936884.0/97

- sign 2002.137+/-0.255 χ^2/NDF: 1397621.8/49

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

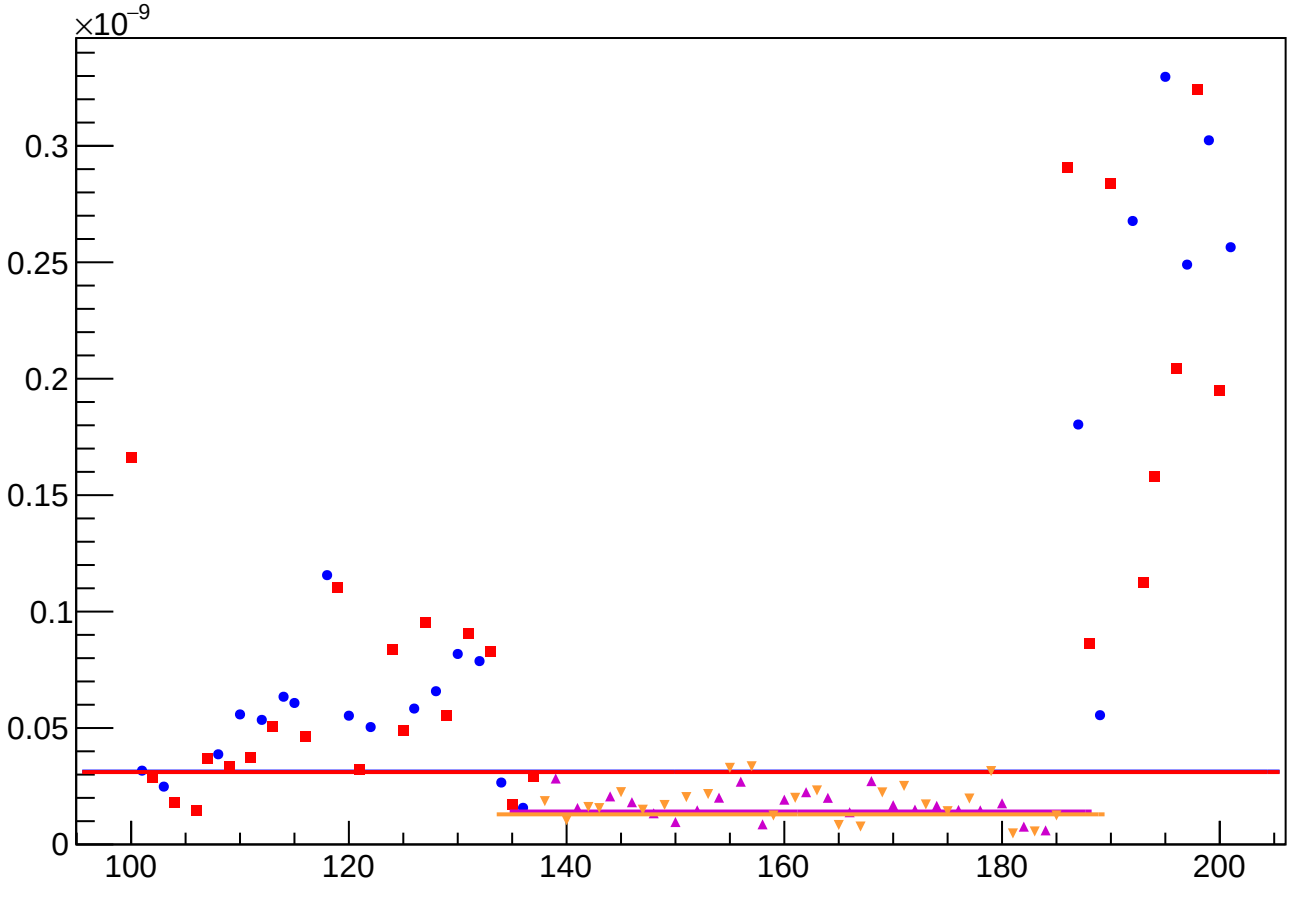
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/26

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: 124.9/97

- sign 0.000+/-0.000 χ^2/NDF: 63.9/49



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: 4744038.3/26

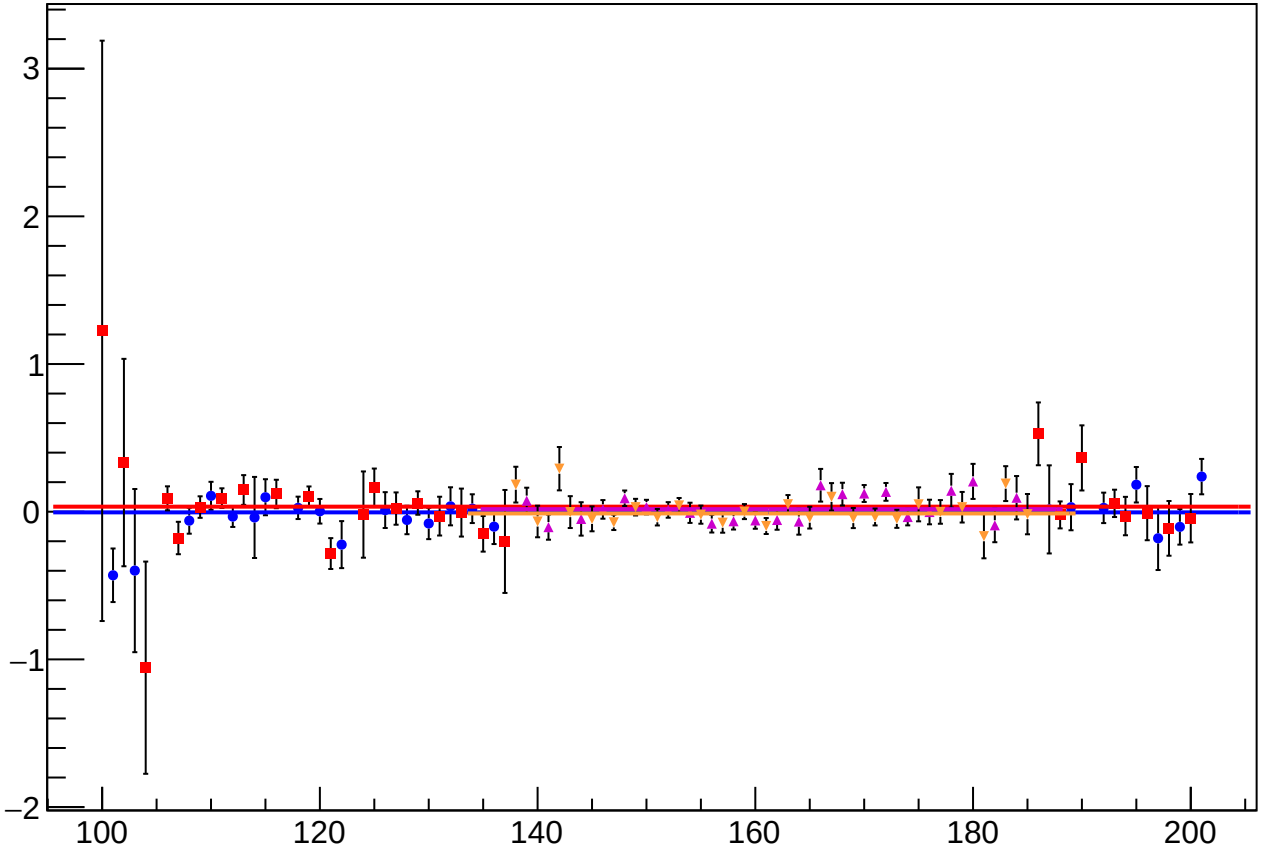
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9670504.5/47

All: 0.000+/-0.000 χ^2/NDF: 17429594.1/97

- sign 0.000+/-0.000 χ^2/NDF: 7707553.4/49

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: 0.034+/-0.022 χ^2/NDF: 33.6/26

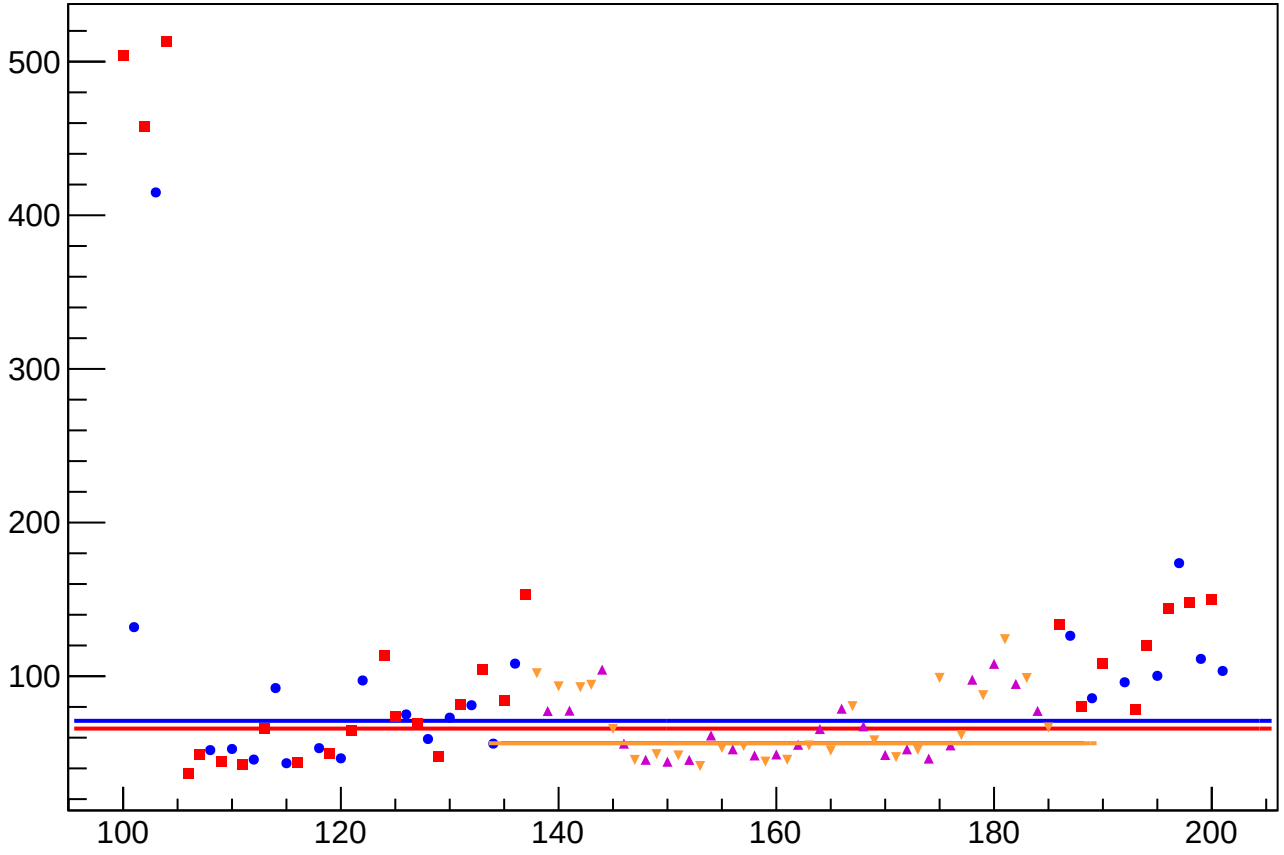
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.010+/-0.012 χ^2/NDF: 42.3/47

All: 0.007+/-0.009 χ^2/NDF: 110.4/97

- sign 0.022+/-0.012 χ^2/NDF: 64.6/49

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

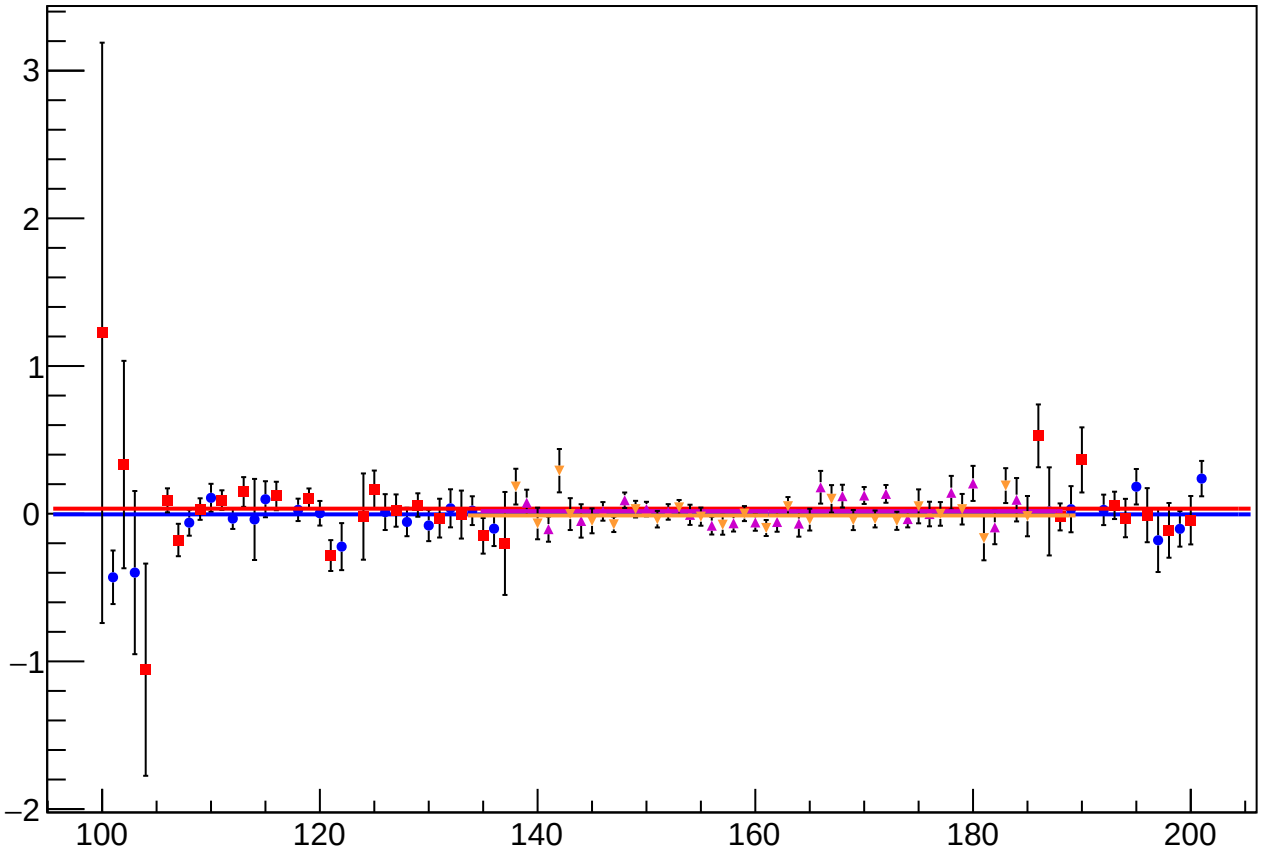
Right Out: 65.923+/-0.015 χ^2/NDF: 4915387.5/26

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.294+/-0.009 χ^2/NDF: 6677344.8/47

All: 59.815+/-0.006 χ^2/NDF: 13998574.4/97

- sign 59.349+/-0.009 χ^2/NDF: 7315191.7/49



Right In: -0.004+/-0.024 χ^2/NDF: 20.4/22

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

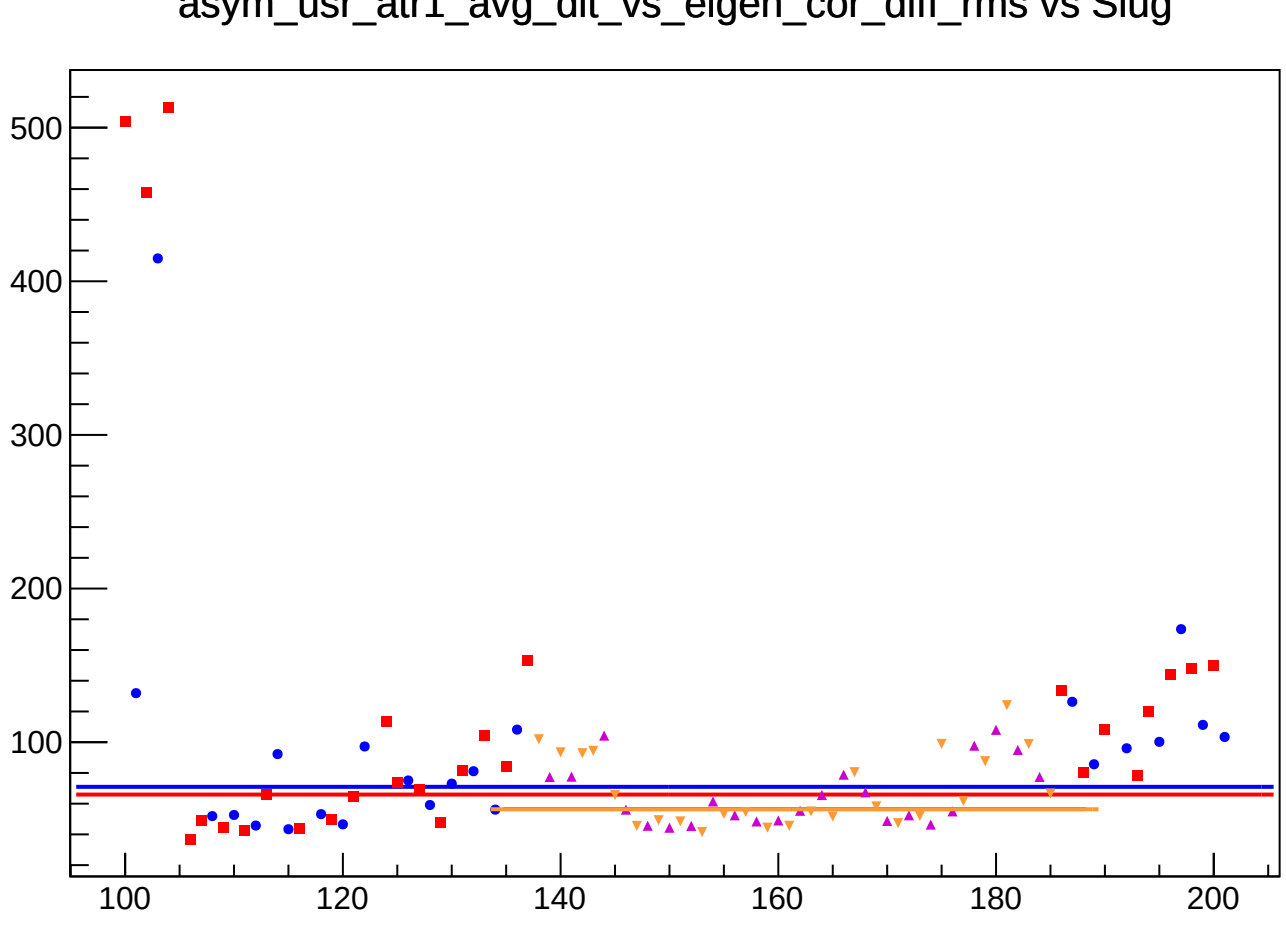
Right Out: 0.034+/-0.022 χ^2/NDF: 33.6/26

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.010+/-0.012 χ^2/NDF: 42.3/47

All: 0.007+/-0.009 χ^2/NDF: 110.4/97

- sign 0.022+/-0.012 χ^2/NDF: 64.6/49



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: 65.923+/-0.015 χ^2/NDF: 4915387.5/26

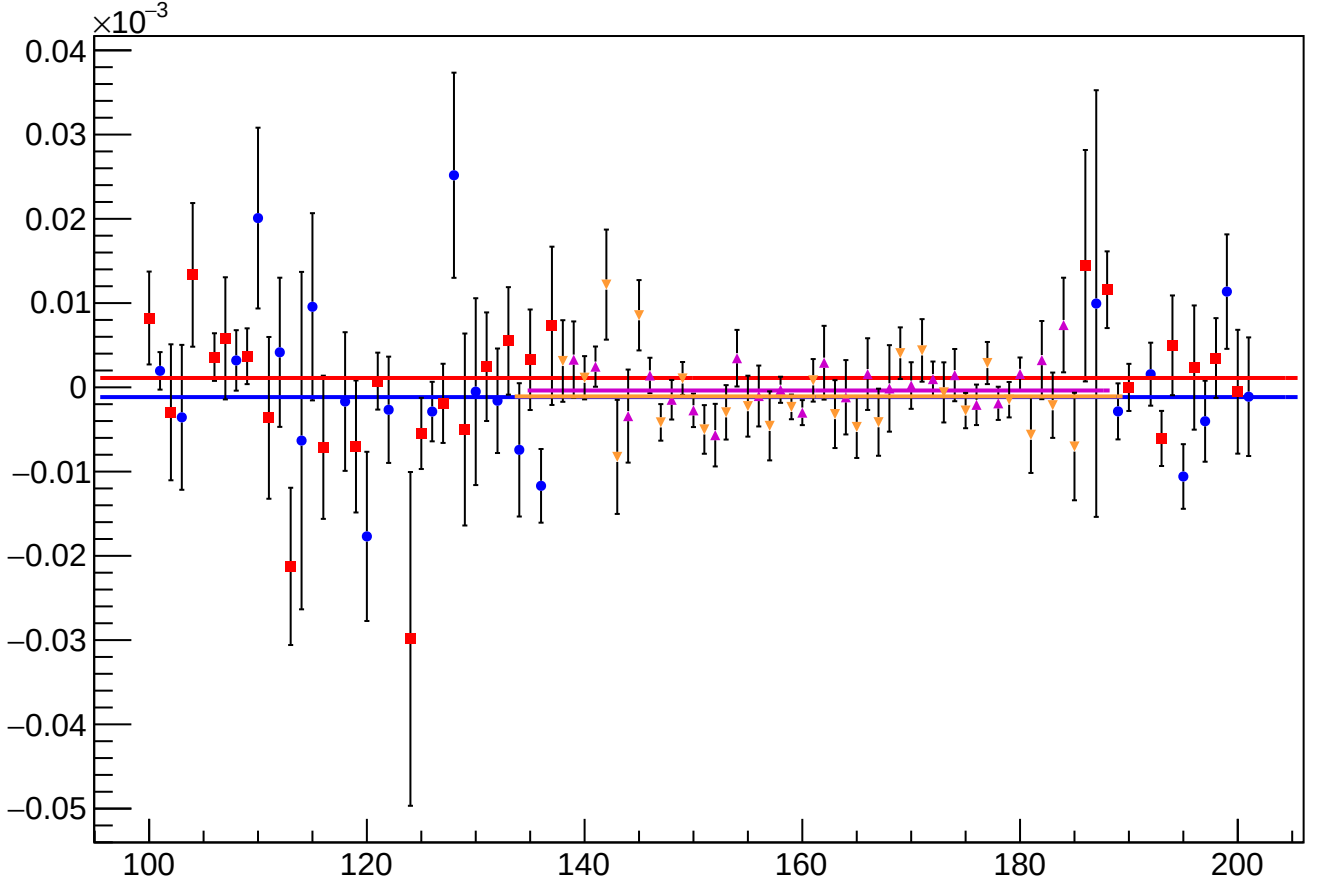
Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.294+/-0.009 χ^2/NDF: 6677344.8/47

All: 59.815+/-0.006 χ^2/NDF: 13998574.4/97

- sign 59.349+/-0.009 χ^2/NDF: 7315191.7/49

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

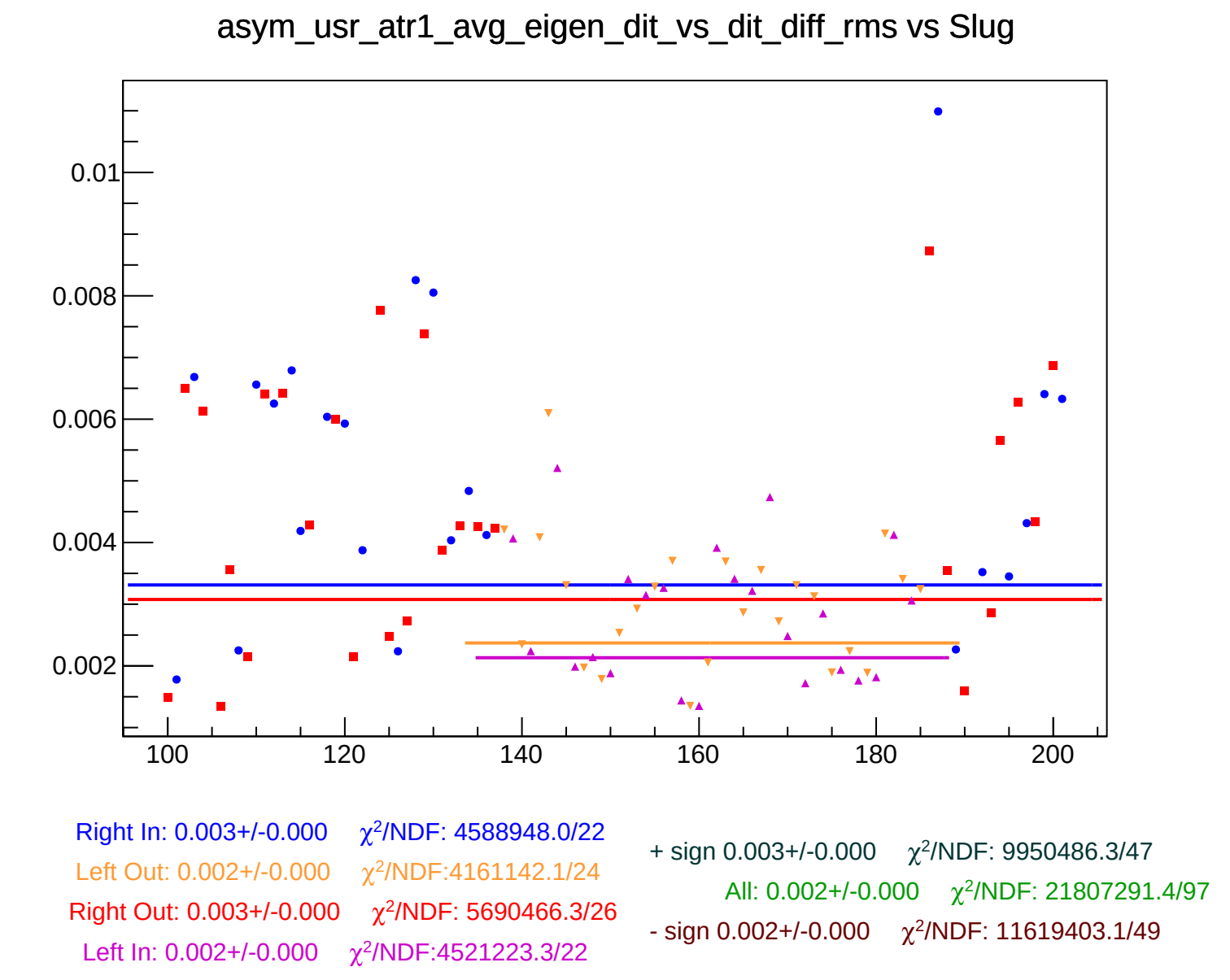
Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/26

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

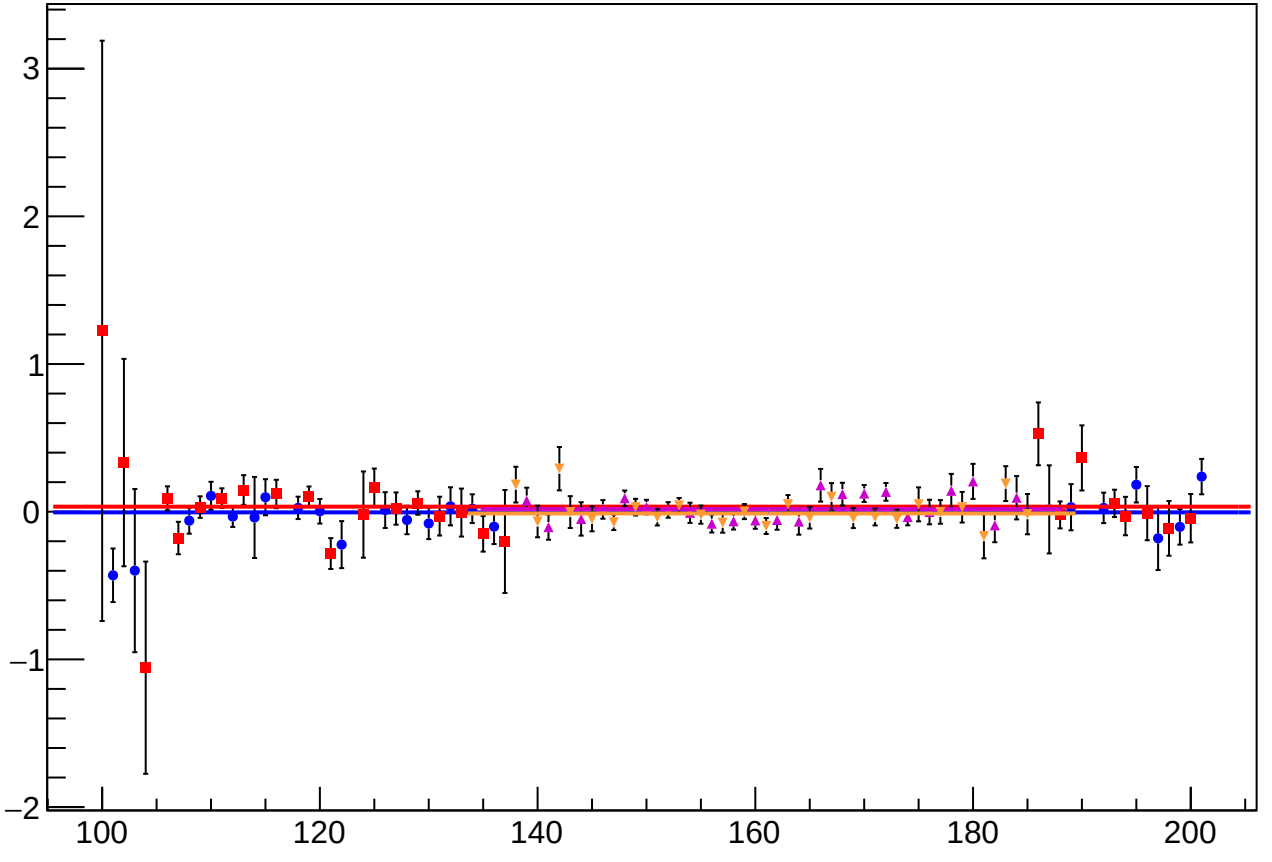
+ sign -0.000+/-0.000 χ^2/NDF: 65.2/47

All: -0.000+/-0.000 χ^2/NDF: 119.2/97

- sign -0.000+/-0.000 χ^2/NDF: 51.6/49


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: 5690466.3/26
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: 21807291.4/97
- sign 0.002+/-0.000 χ²/NDF: 11619403.1/49

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: 0.034+/-0.022 χ^2/NDF: 33.6/26

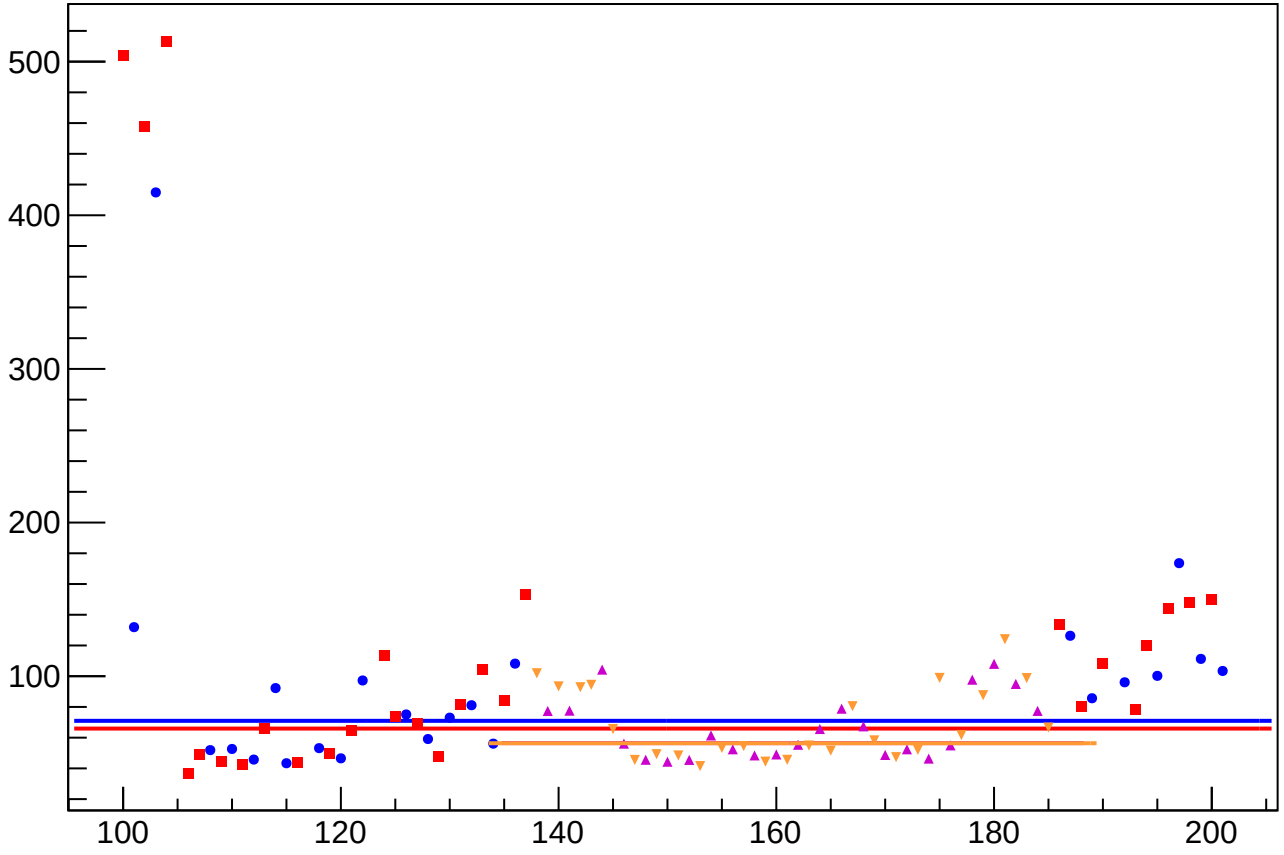
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.010+/-0.012 χ^2/NDF: 42.3/47

All: 0.007+/-0.009 χ^2/NDF: 110.4/97

- sign 0.022+/-0.012 χ^2/NDF: 64.6/49

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

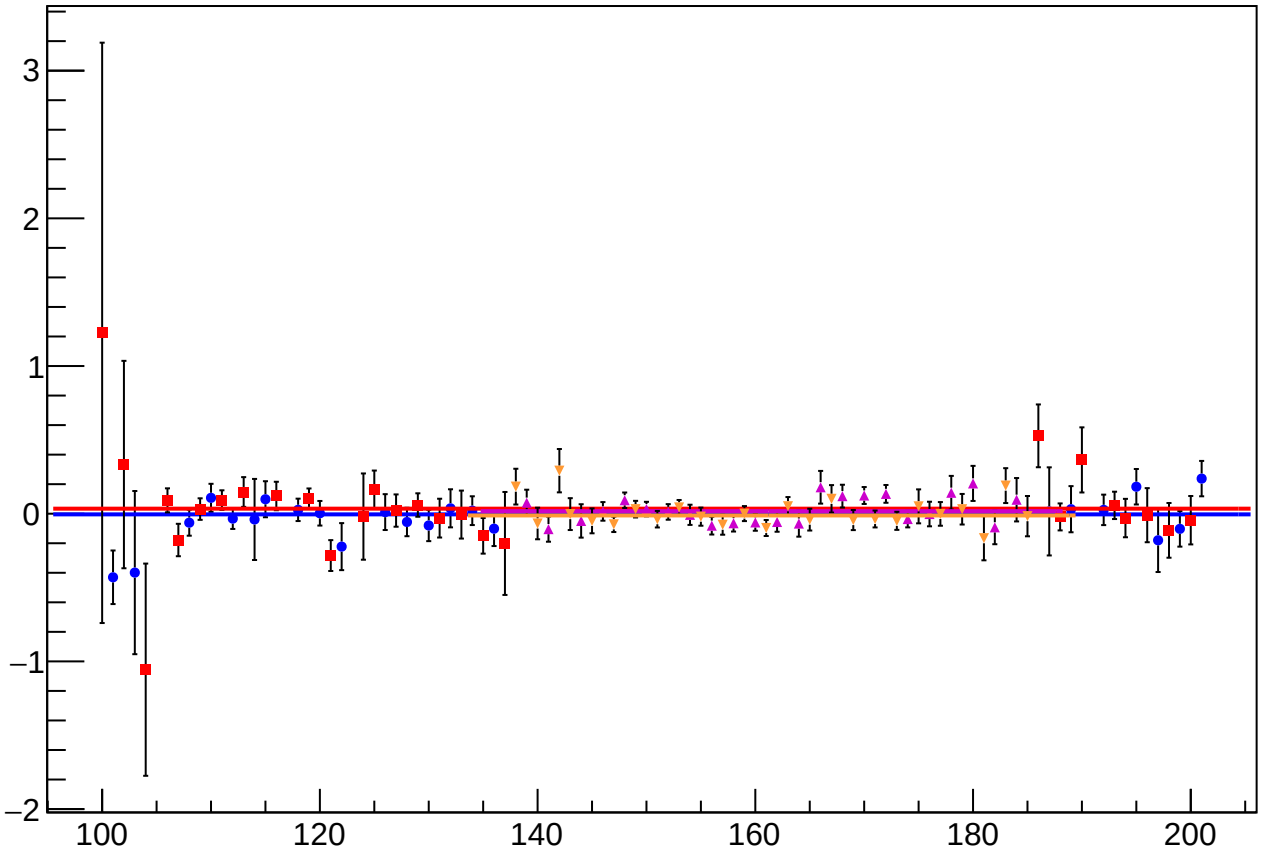
Right Out: 65.922+/-0.015 χ^2/NDF: 4915391.6/26

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.294+/-0.009 χ^2/NDF: 6677332.6/47

All: 59.815+/-0.006 χ^2/NDF: 13998504.2/97

- sign 59.349+/-0.009 χ^2/NDF: 7315132.0/49



Right In: -0.004+/-0.024 χ^2/NDF: 20.4/22

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

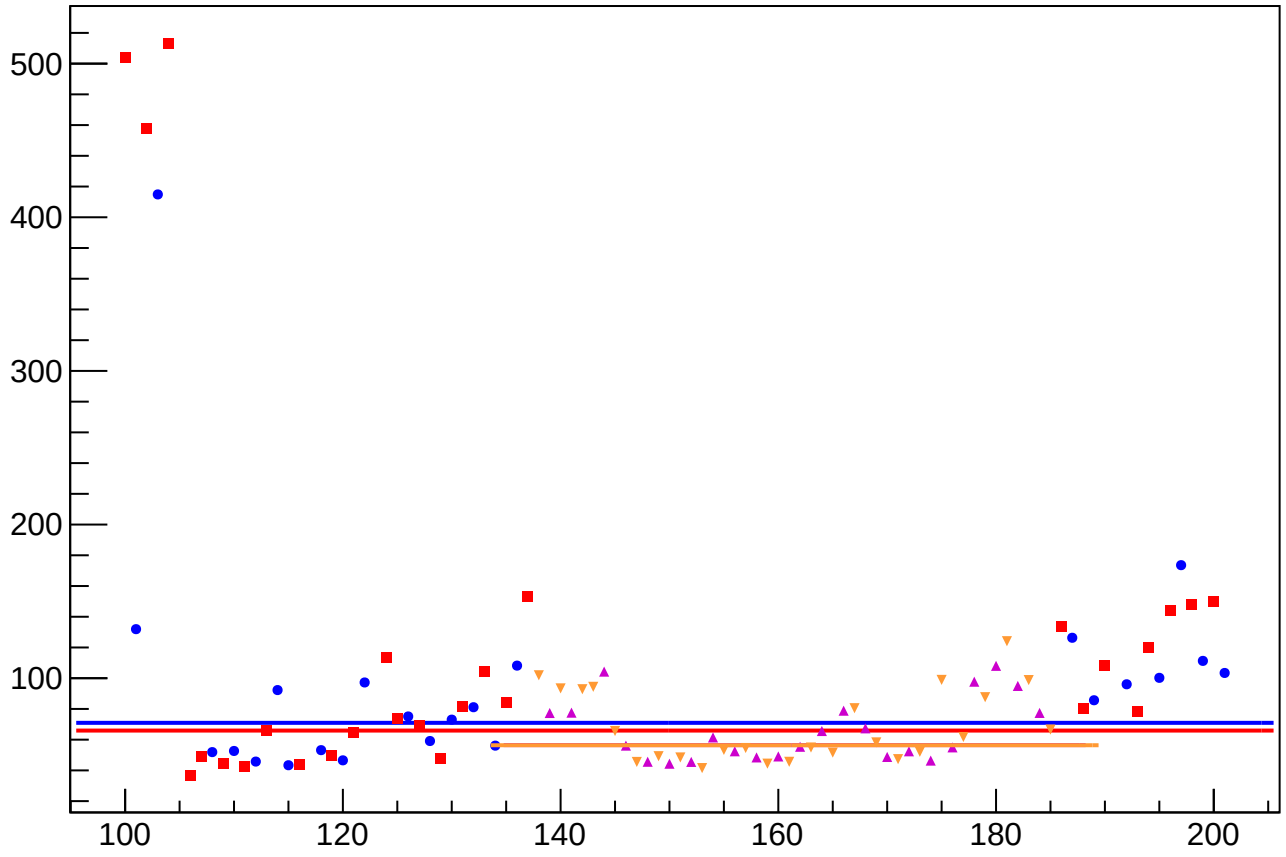
Right Out: 0.034+/-0.022 χ^2/NDF: 33.6/26

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.010+/-0.012 χ^2/NDF: 42.3/47

All: 0.007+/-0.009 χ^2/NDF: 110.4/97

- sign 0.022+/-0.012 χ^2/NDF: 64.6/49



Right In: 70.956+/-0.017 χ^2/NDF: 3322167.8/22

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

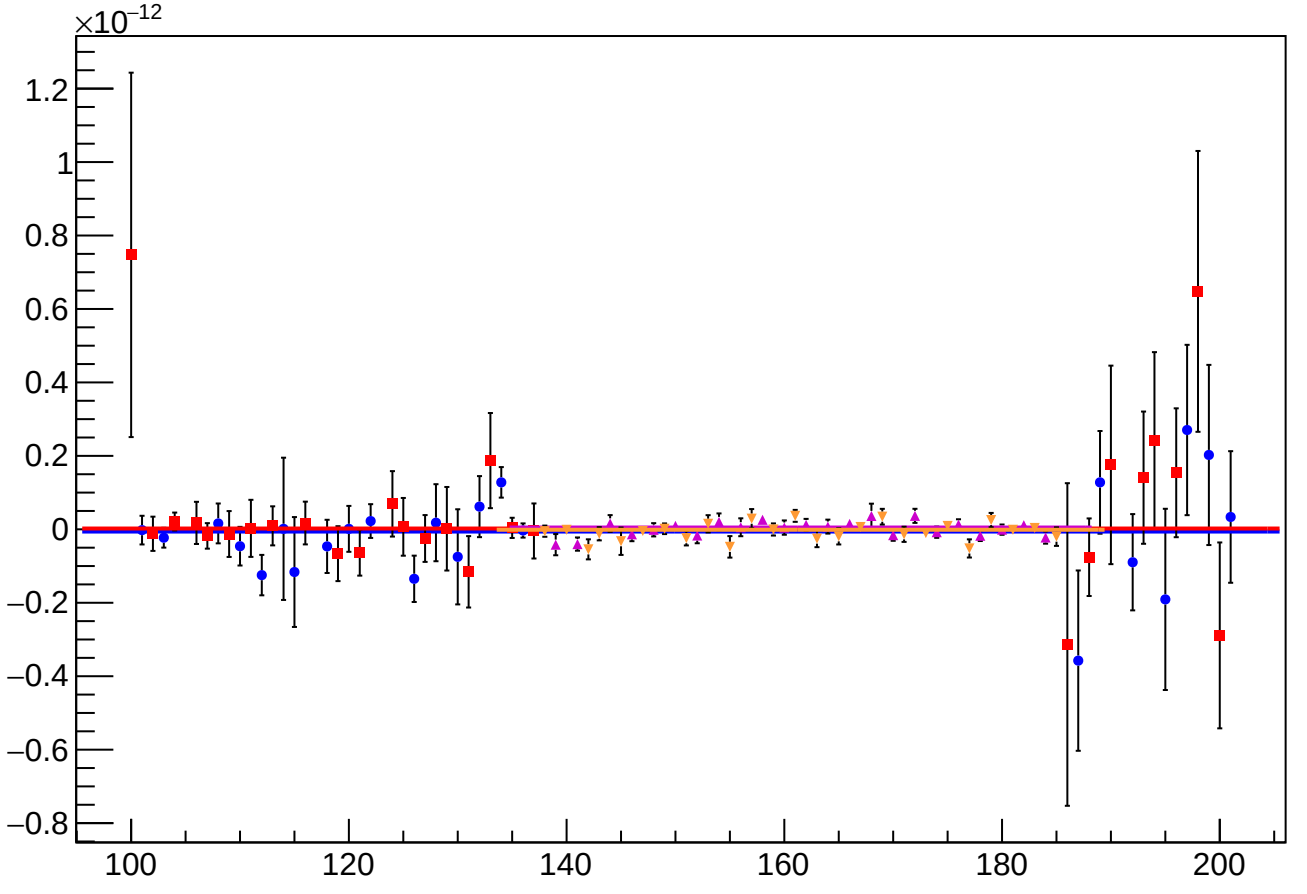
Right Out: 65.922+/-0.015 χ^2/NDF: 4915391.6/26

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.294+/-0.009 χ^2/NDF: 6677332.6/47

All: 59.815+/-0.006 χ^2/NDF: 13998504.2/97

- sign 59.349+/-0.009 χ^2/NDF: 7315132.0/49



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/22

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

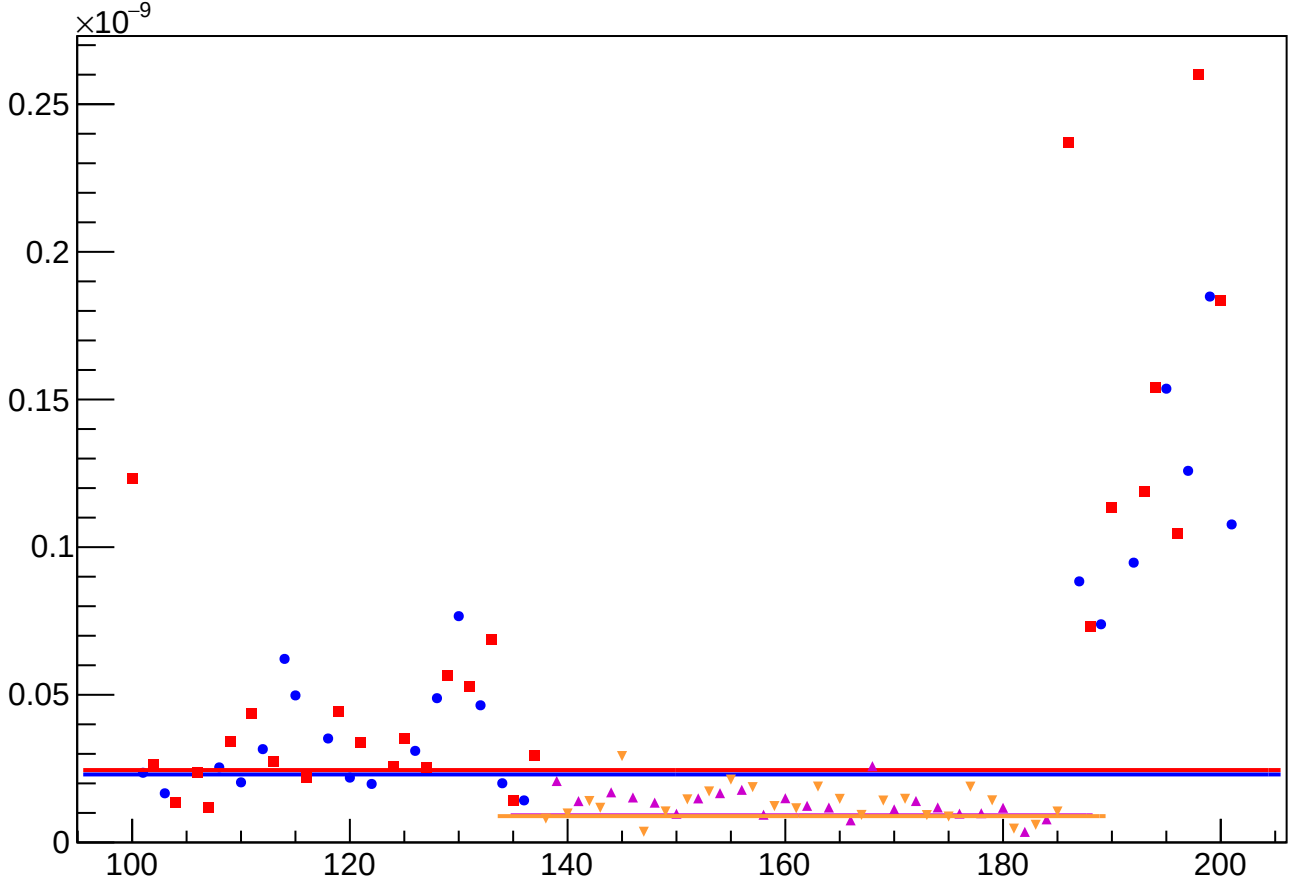
Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/26

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: 107.0/97

- sign 0.000+/-0.000 χ^2/NDF: 46.1/49



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: 6213003.3/26

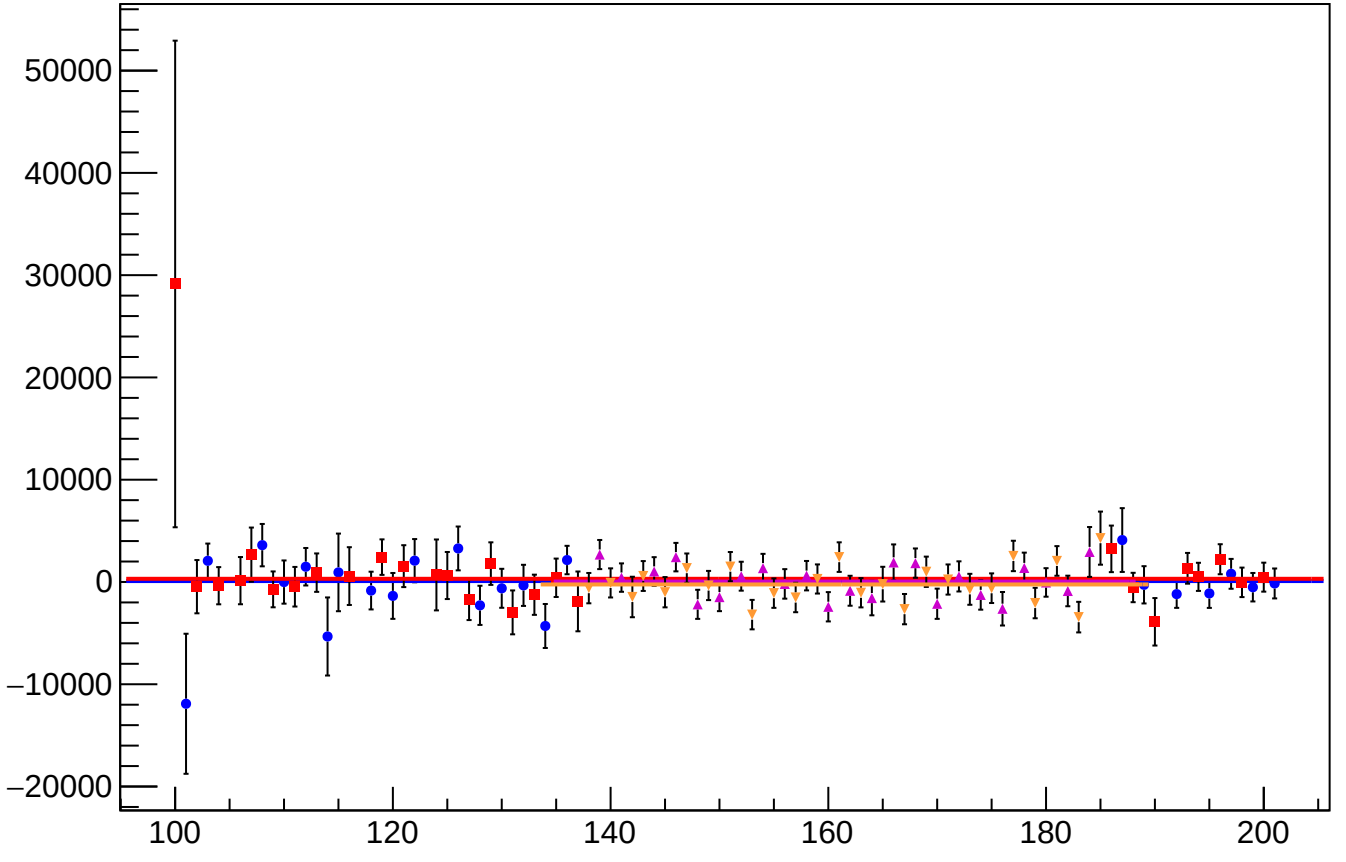
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12795941.0/47

All: 0.000+/-0.000 χ^2/NDF: 27309858.3/97

- sign 0.000+/-0.000 χ^2/NDF: 14502298.6/49

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: 310.740+/-371.092 χ^2/NDF: 17.6/26

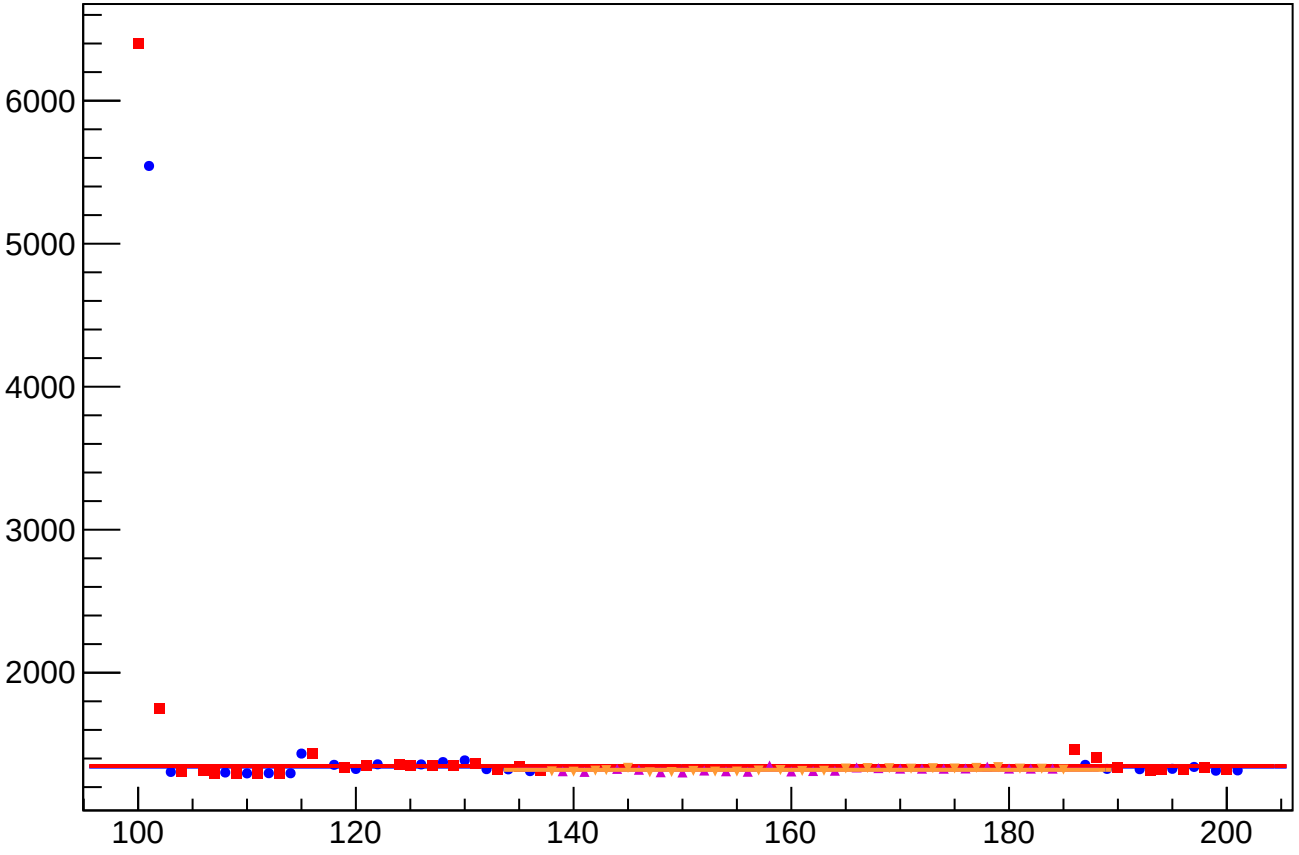
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -117.500+/-237.377 χ^2/NDF: 57.8/47

All: 16.390+/-167.818 χ^2/NDF: 103.5/97

- sign 150.177+/-237.285 χ^2/NDF: 45.1/49

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: 1347.693+/-0.262 χ^2/NDF: 158561.9/26

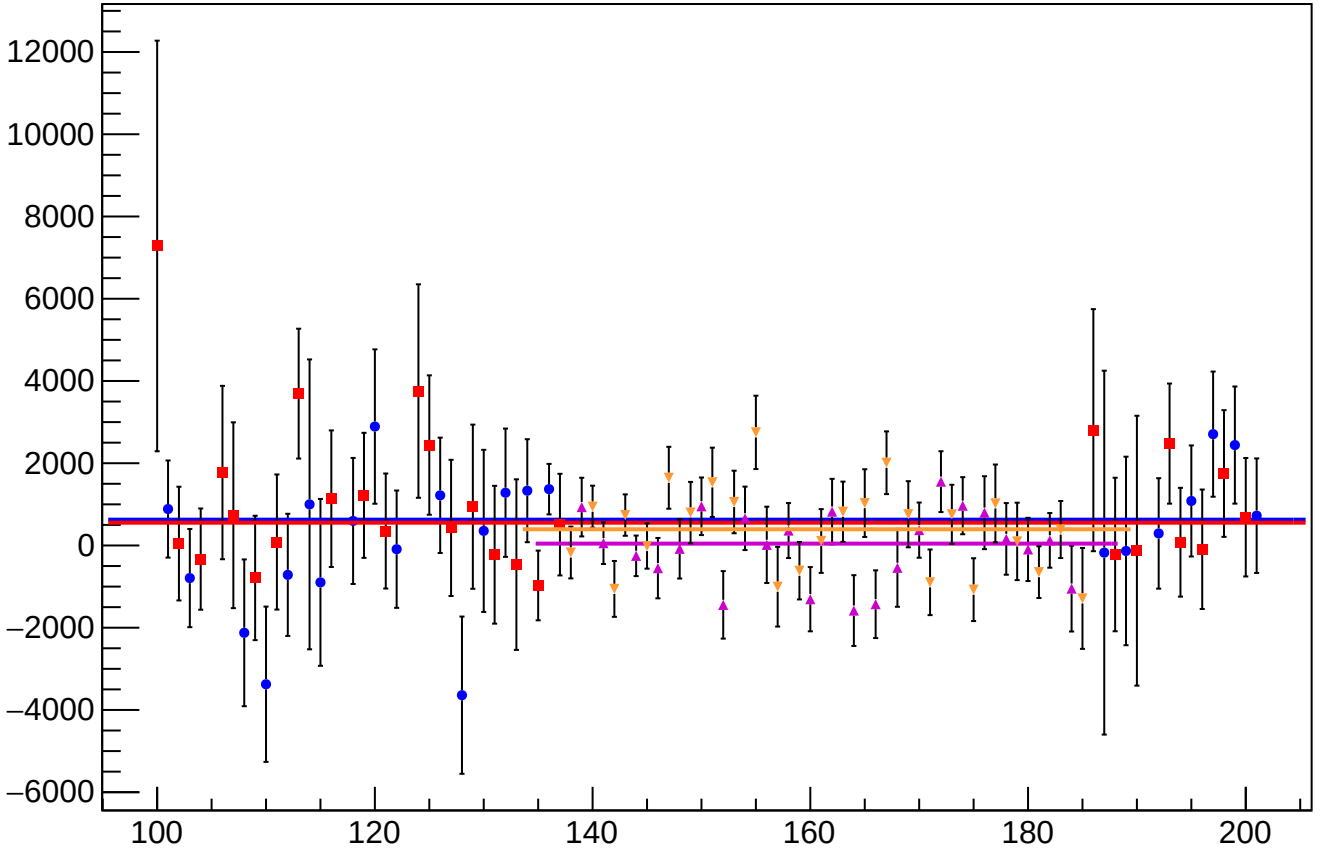
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.148+/-0.168 χ^2/NDF: 770632.7/47

All: 1330.763+/-0.119 χ^2/NDF: 938696.8/97

- sign 1332.376+/-0.168 χ^2/NDF: 167879.0/49

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: 554.068+/-303.991 χ^2/NDF: 18.0/26

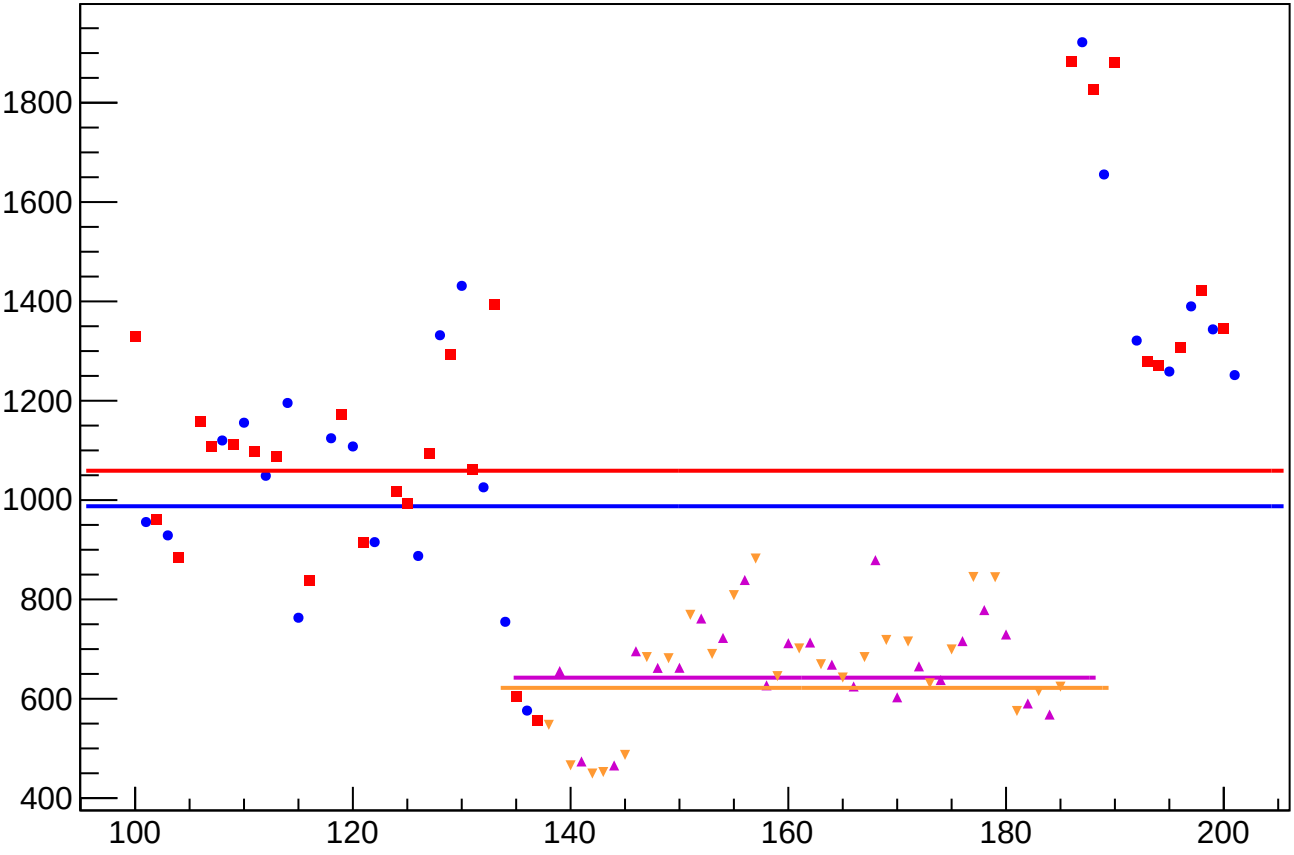
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 439.720+/-129.787 χ^2/NDF: 64.7/47

All: 300.401+/-93.956 χ^2/NDF: 114.9/97

- sign 146.997+/-136.190 χ^2/NDF: 47.8/49

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: 1059.097+/-0.215 χ^2/NDF: 2090004.2/26

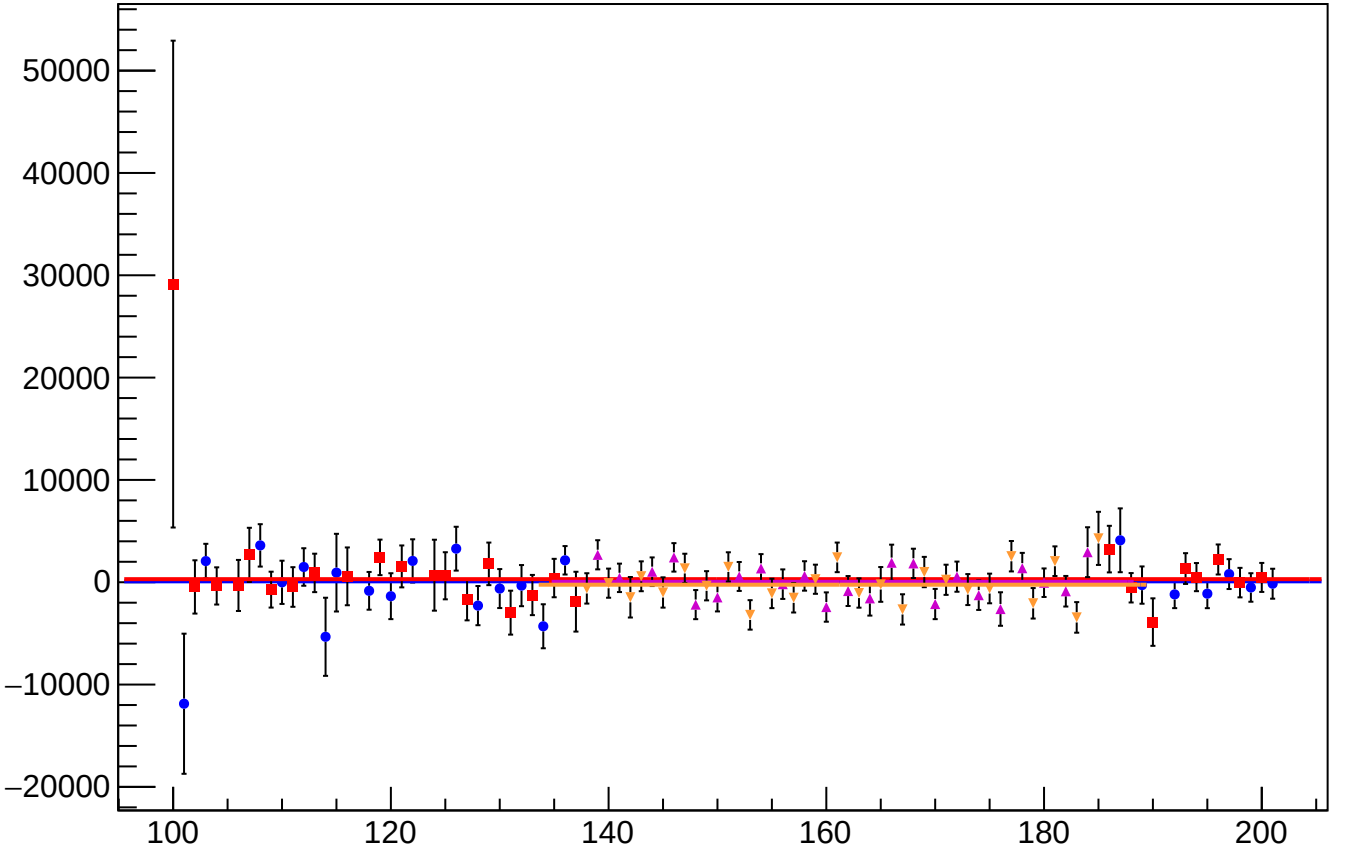
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 692.871+/-0.092 χ^2/NDF: 5906289.9/47

All: 708.682+/-0.066 χ^2/NDF: 11987655.7/97

- sign 726.091+/-0.096 χ^2/NDF: 6019001.9/49

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: 301.741+/-371.785 χ^2/NDF: 17.7/26

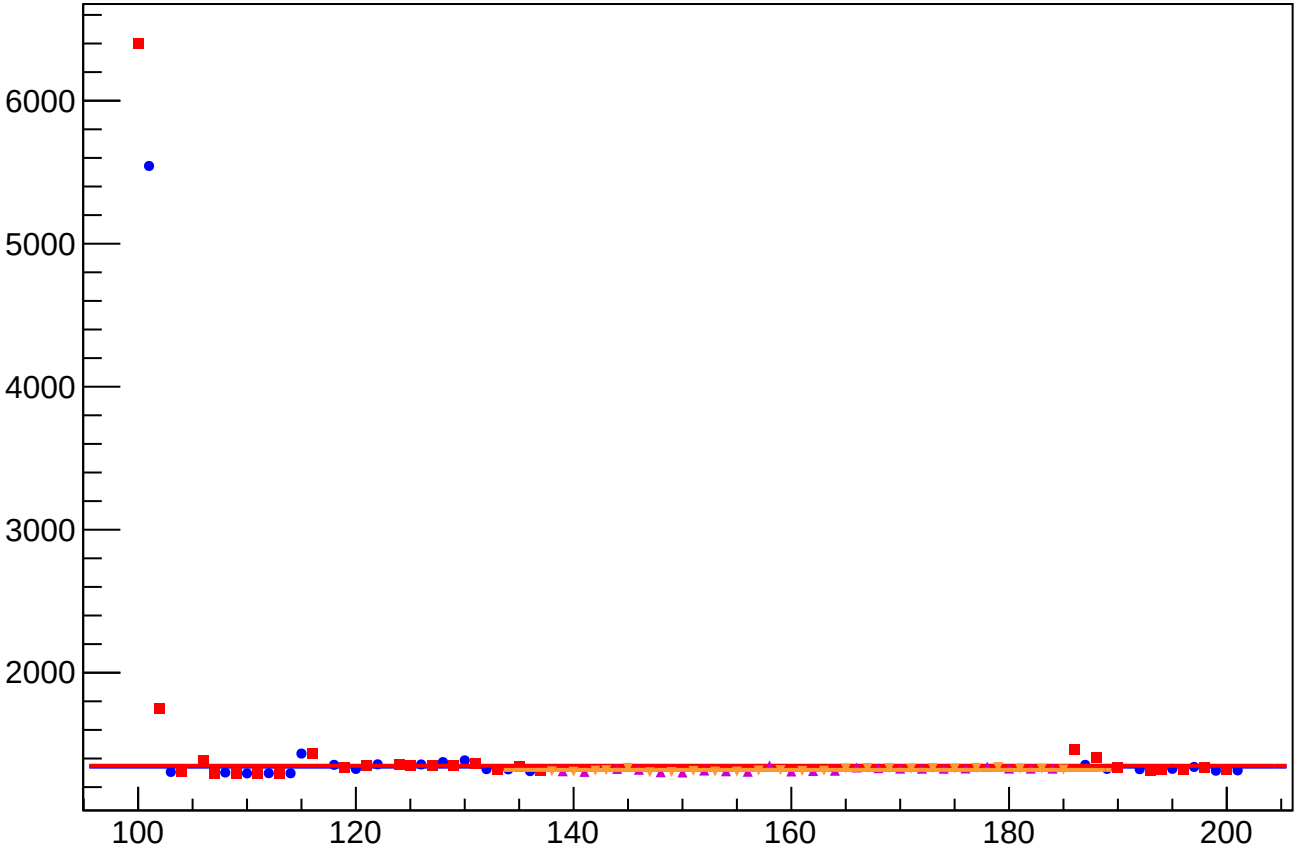
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -117.454+/-237.377 χ^2/NDF: 57.8/47

All: 14.375+/-167.882 χ^2/NDF: 103.5/97

- sign 146.302+/-237.466 χ^2/NDF: 45.1/49

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: 1349.389+/-0.263 χ^2/NDF: 158720.7/26

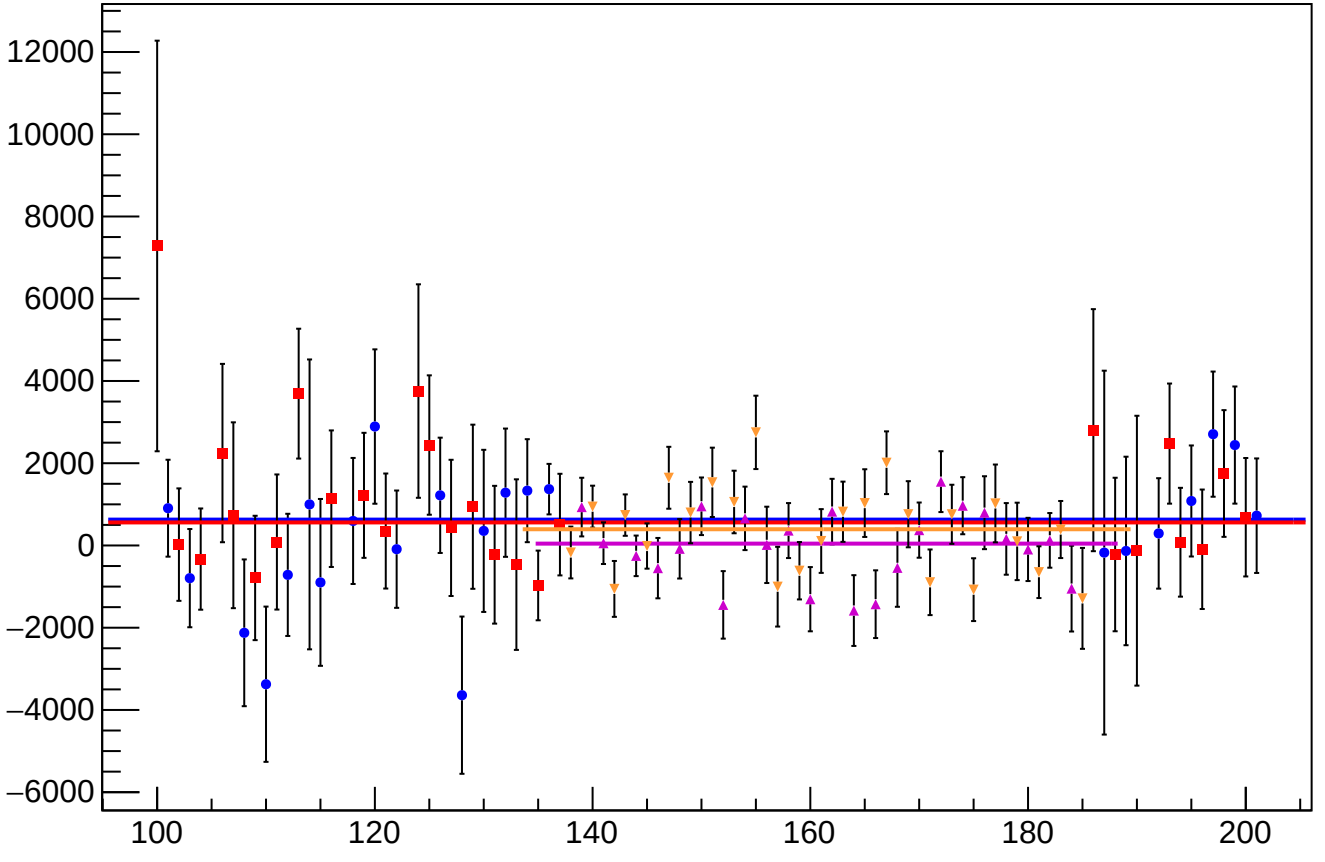
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.148+/-0.168 χ^2/NDF: 770631.7/47

All: 1331.095+/-0.119 χ^2/NDF: 939703.5/97

- sign 1333.045+/-0.168 χ^2/NDF: 168802.4/49

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: 560.261+/-303.994 χ^2/NDF: 18.2/26

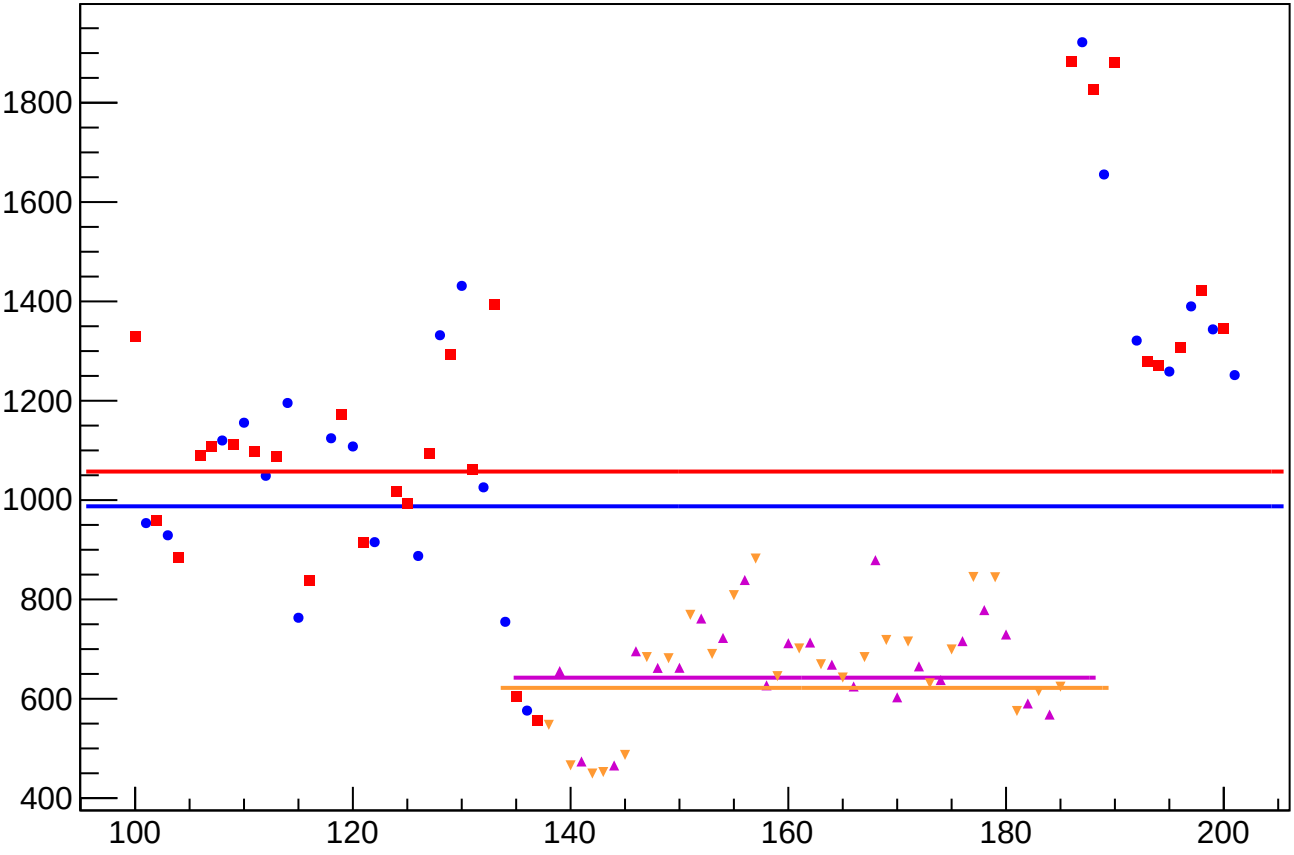
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

\+ sign 439.954+/-129.784 χ^2/NDF: 64.8/47

All: 301.113+/-93.954 χ^2/NDF: 115.3/97

\- sign 148.228+/-136.190 χ^2/NDF: 48.1/49

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: 1057.470+/-0.215 χ^2/NDF: 2086589.7/26

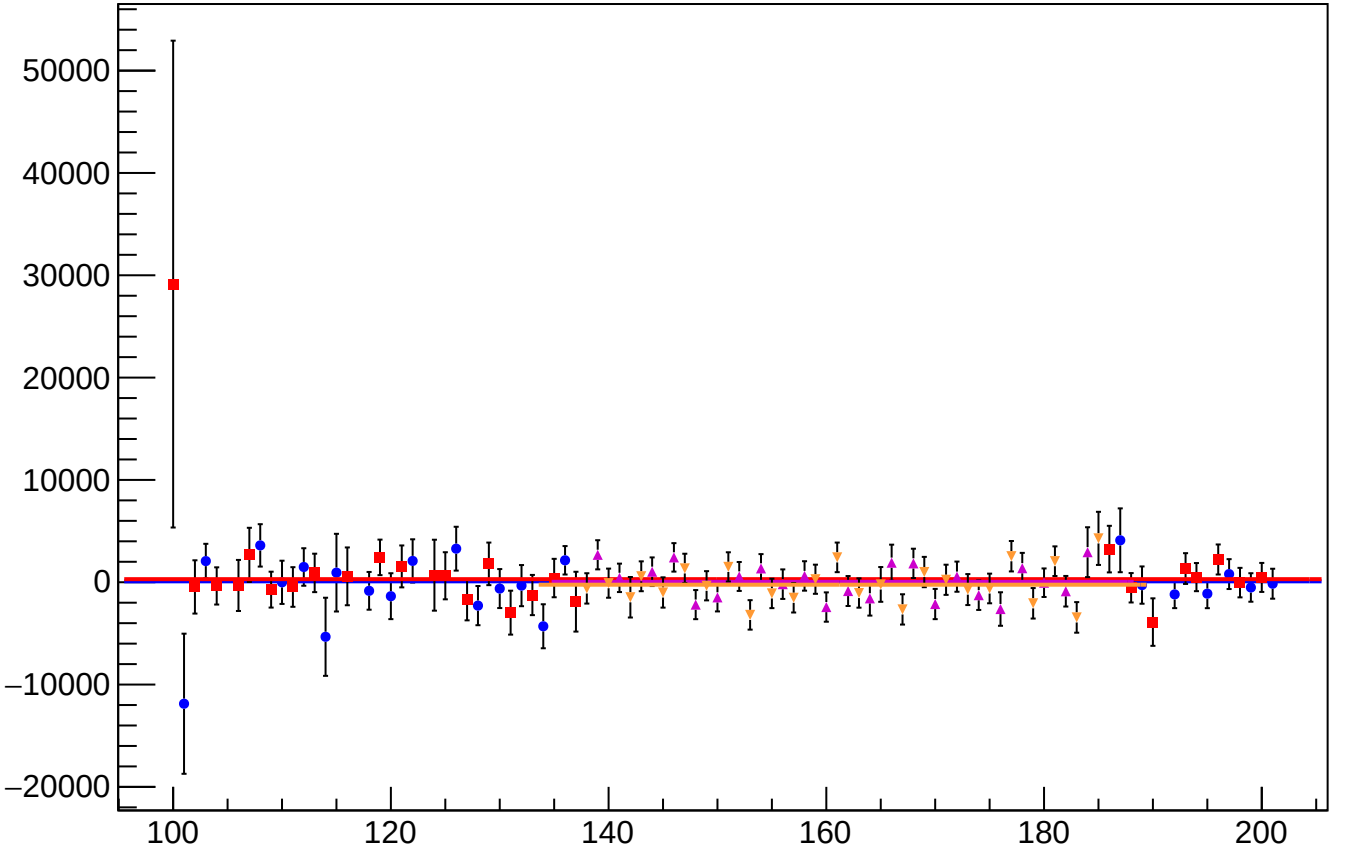
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 692.861+/-0.092 χ^2/NDF: 5905121.7/47

All: 708.518+/-0.066 χ^2/NDF: 11958541.1/97

- sign 725.759+/-0.096 χ^2/NDF: 5992259.8/49

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: 301.741+/-371.785 χ^2/NDF: 17.7/26

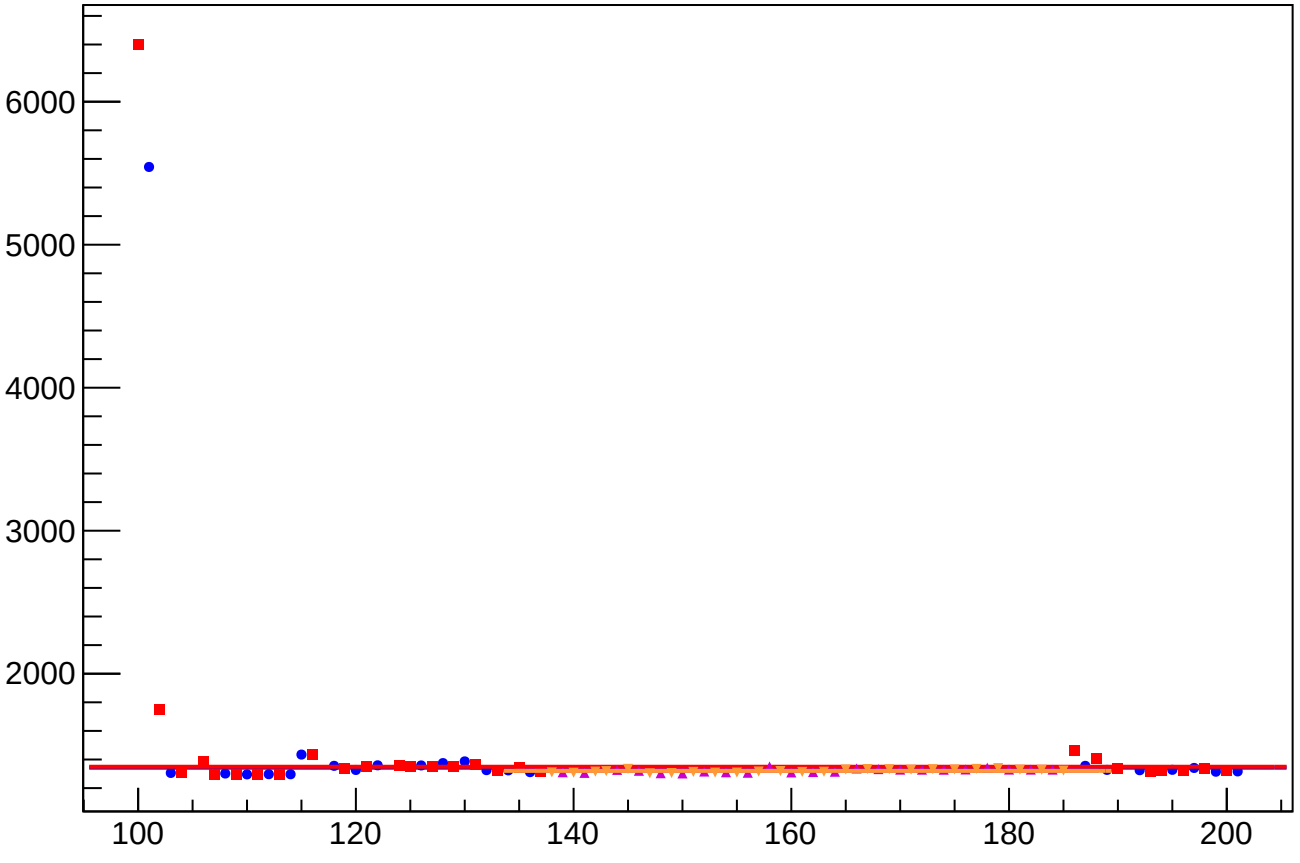
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -117.454+/-237.377 χ^2/NDF: 57.8/47

All: 14.375+/-167.882 χ^2/NDF: 103.5/97

- sign 146.302+/-237.466 χ^2/NDF: 45.1/49

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

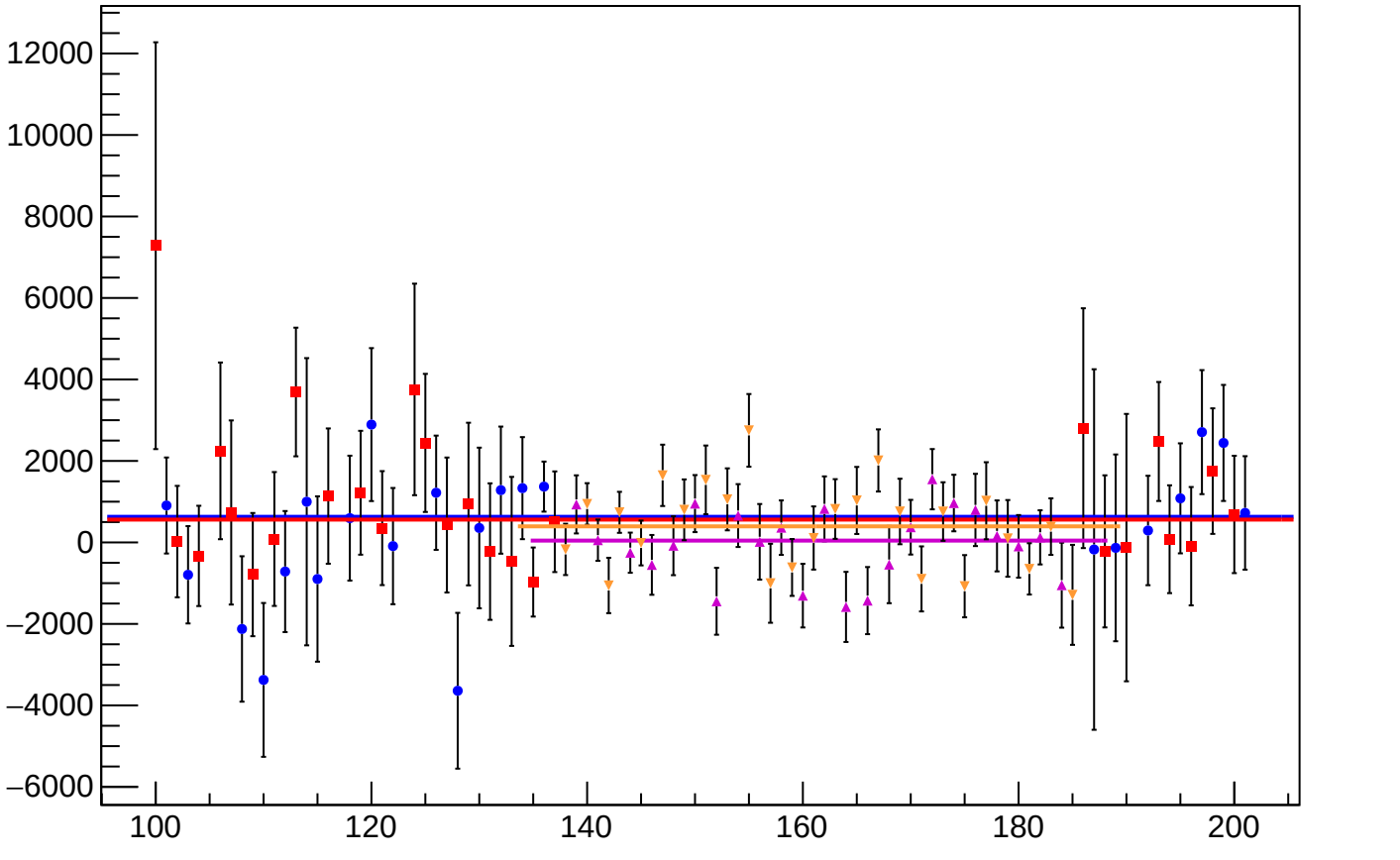
Right Out: 1349.389+/-0.263 χ^2/NDF: 158720.7/26

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.148+/-0.168 χ^2/NDF: 770631.7/47

All: 1331.095+/-0.119 χ^2/NDF: 939703.5/97

- sign 1333.045+/-0.168 χ^2/NDF: 168802.4/49



Right In: 628.711+/-294.663 χ^2/NDF: 22.4/22

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

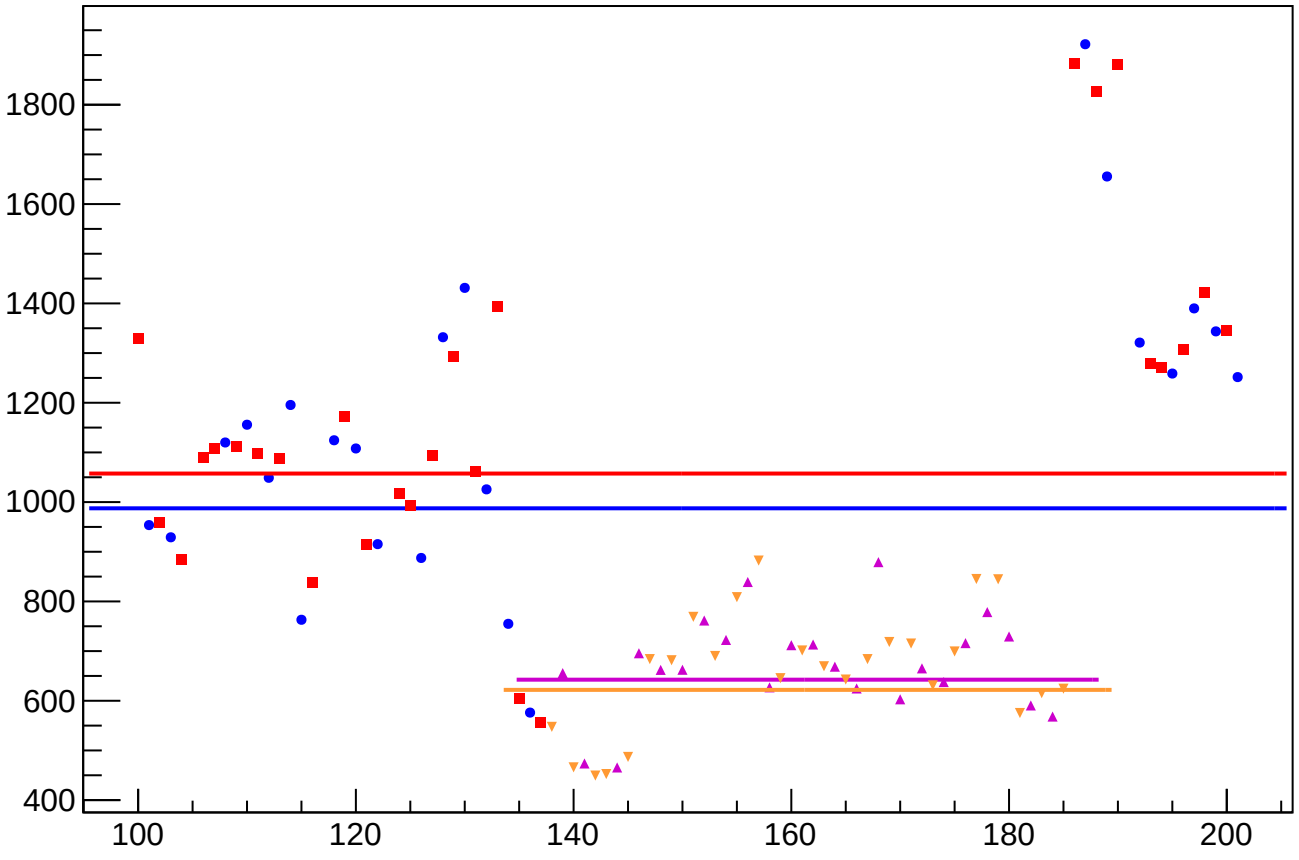
Right Out: 560.261+/-303.994 χ^2/NDF: 18.2/26

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

\+ sign 439.954+/-129.784 χ^2/NDF: 64.8/47

All: 301.113+/-93.954 χ^2/NDF: 115.3/97

\- sign 148.228+/-136.190 χ^2/NDF: 48.1/49



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: 1057.470+/-0.215 χ^2/NDF: 2086589.7/26

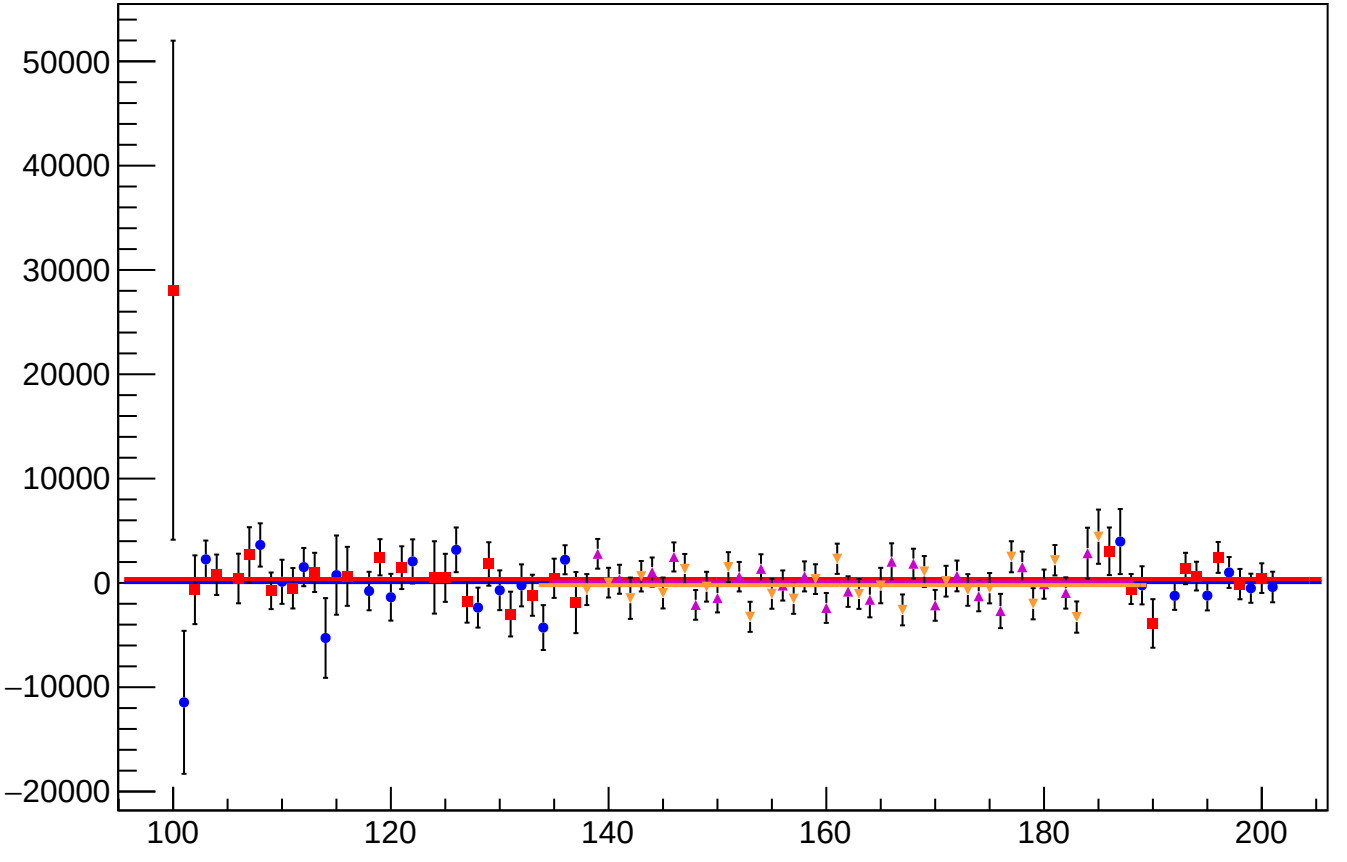
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 692.861+/-0.092 χ^2/NDF: 5905121.7/47

All: 708.518+/-0.066 χ^2/NDF: 11958541.1/97

- sign 725.759+/-0.096 χ^2/NDF: 5992259.8/49

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: 373.852+/-374.518 χ^2/NDF: 17.8/26

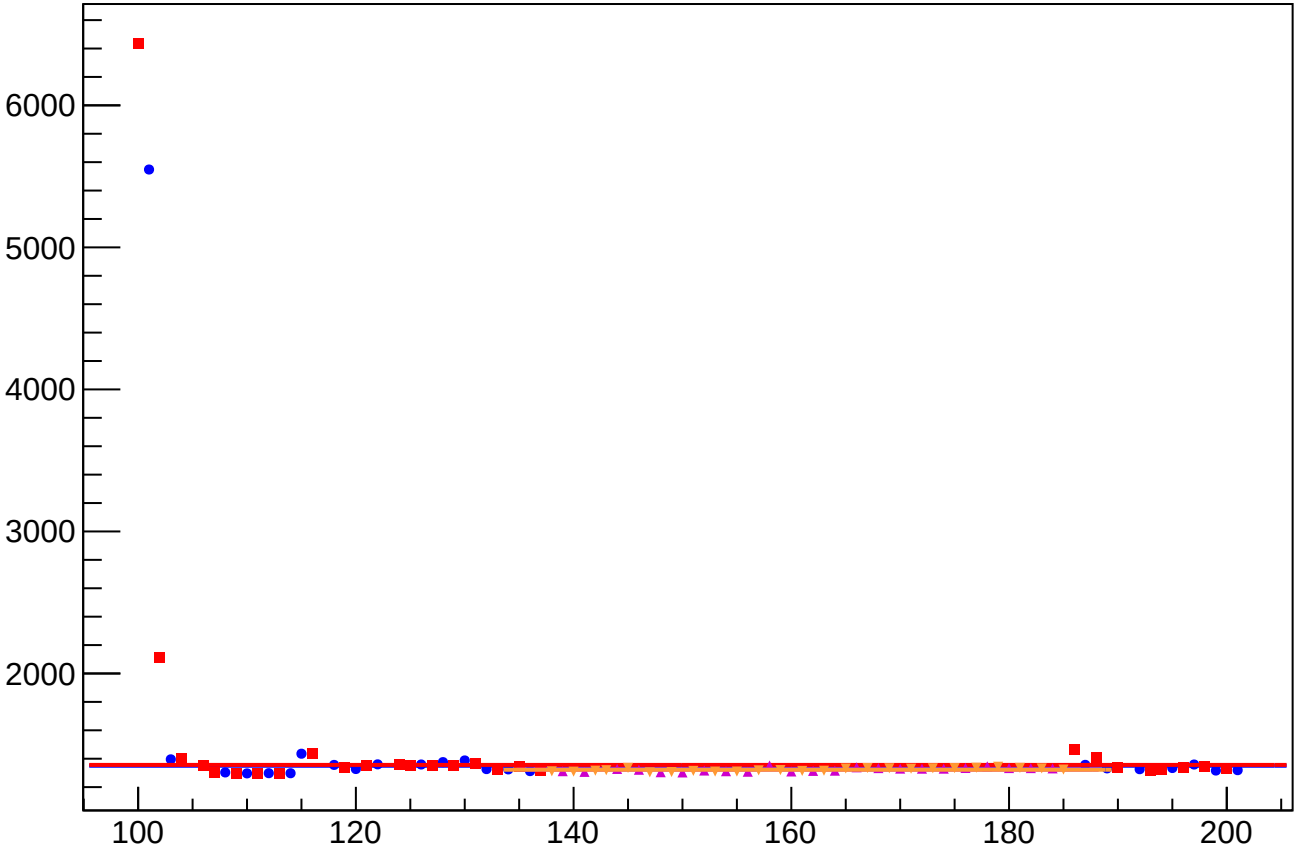
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -106.628+/-238.046 χ^2/NDF: 57.4/47

All: 37.160+/-168.428 χ^2/NDF: 104.2/97

- sign 181.305+/-238.341 χ^2/NDF: 46.1/49

dit_asym_usr_atr1_dd_rms vs Slug



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: 1356.358+/-0.265 χ^2/NDF: 216499.6/26

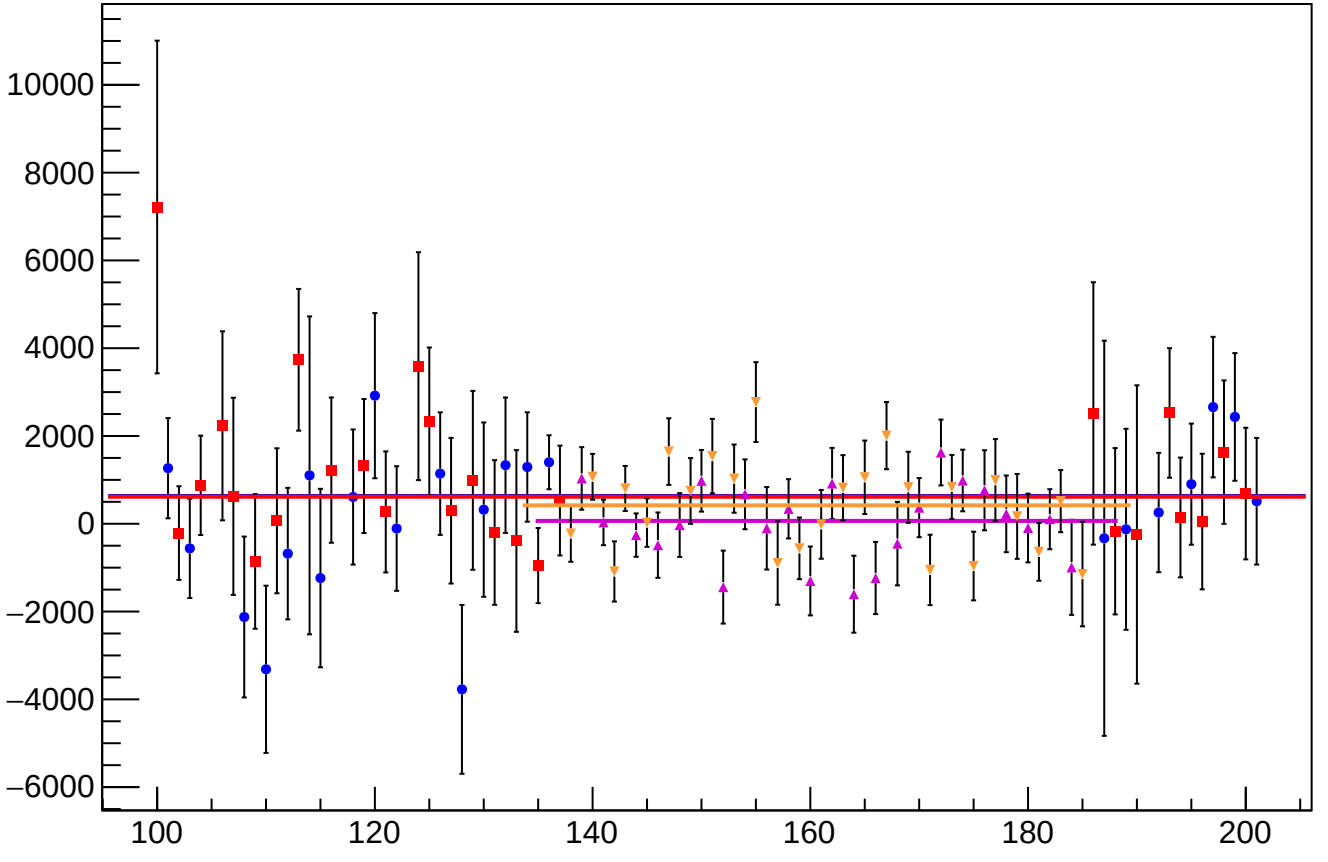
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.852+/-0.168 χ^2/NDF: 773300.1/47

All: 1334.779+/-0.119 χ^2/NDF: 1003169.3/97

- sign 1336.711+/-0.169 χ^2/NDF: 229606.8/49

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: 616.352+/-300.696 χ^2/NDF: 18.6/26

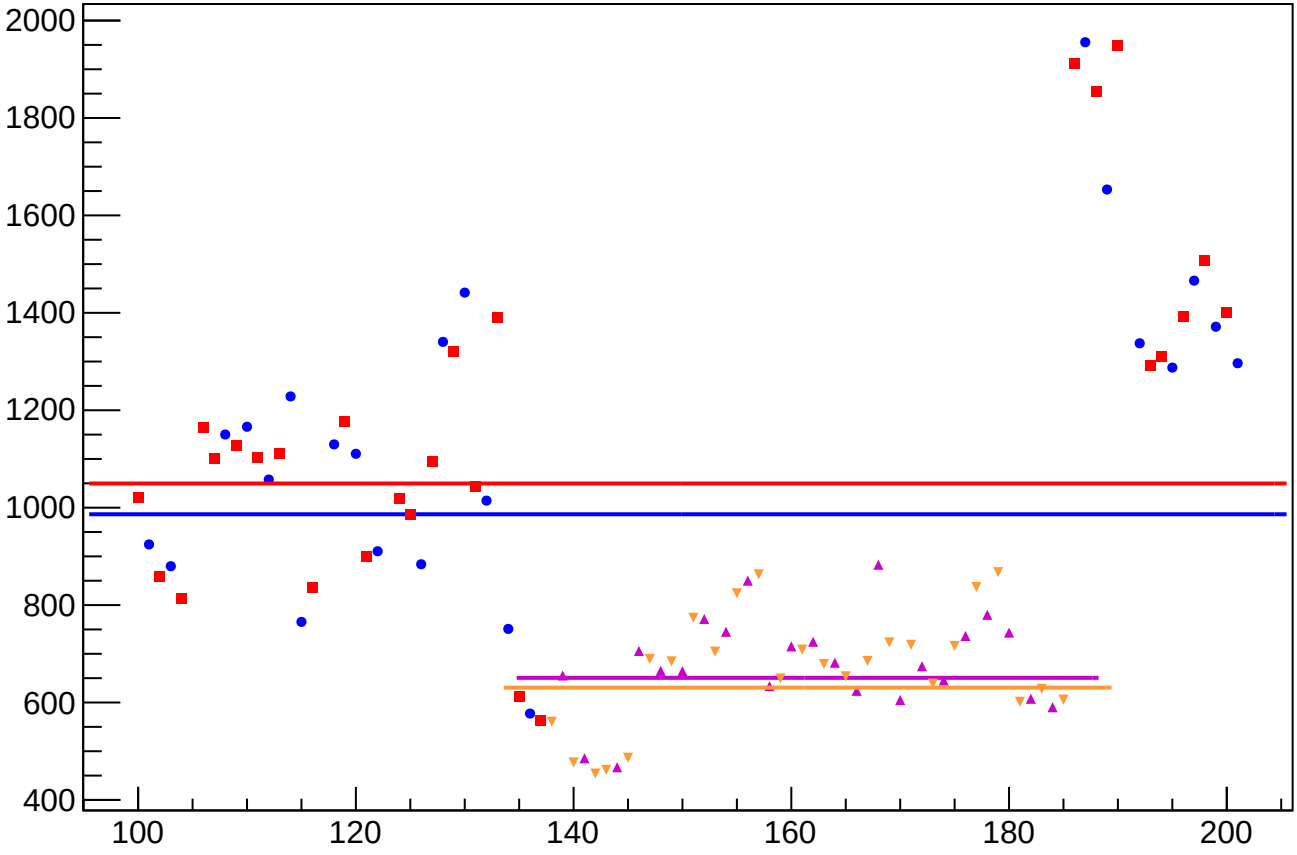
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 461.693+/-131.178 χ^2/NDF: 64.2/47

All: 327.265+/-94.823 χ^2/NDF: 114.7/97

- sign 180.151+/-137.228 χ^2/NDF: 48.3/49

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: 1049.617+/-0.213 χ^2/NDF: 2318508.3/26

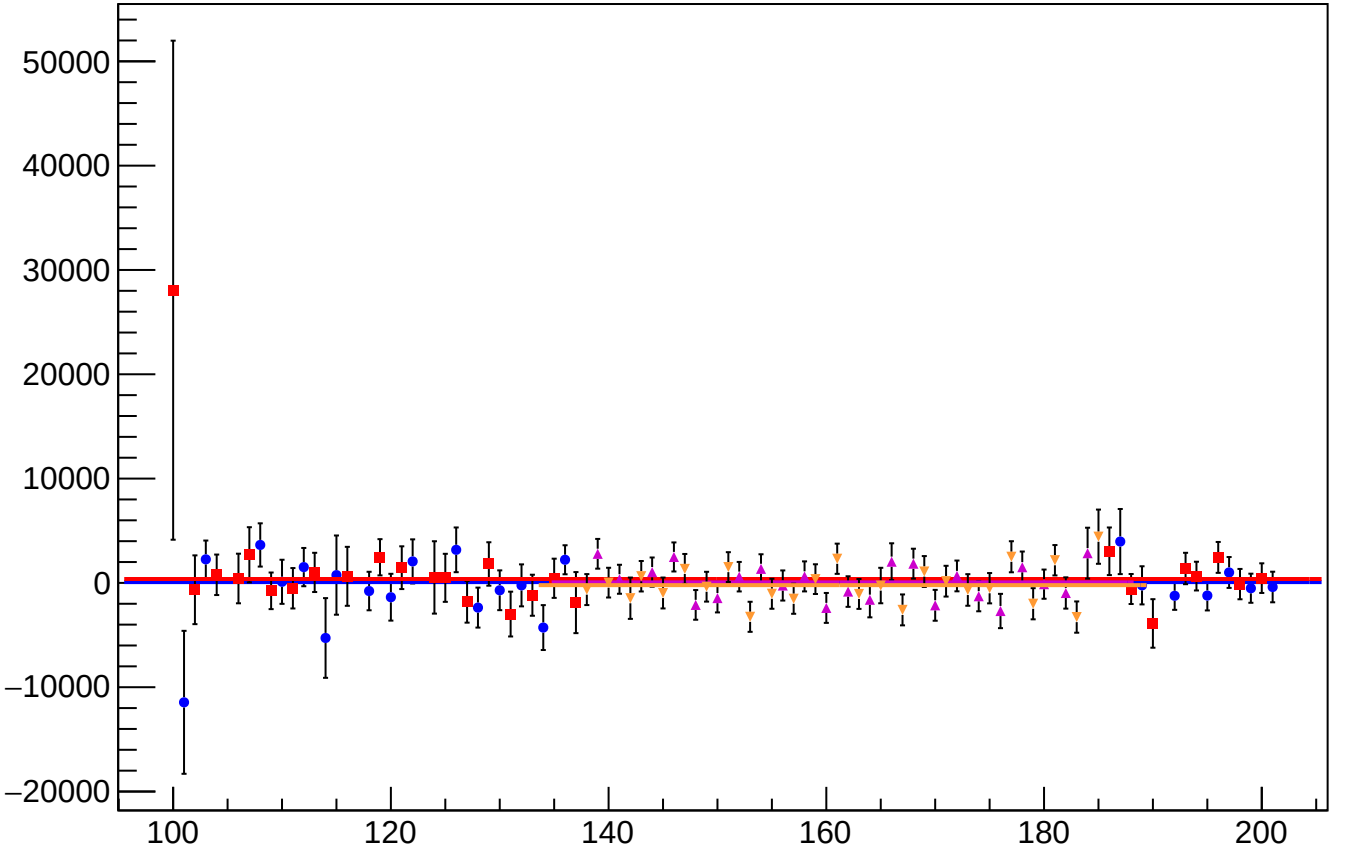
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 700.890+/-0.093 χ^2/NDF: 5831430.7/47

All: 716.572+/-0.067 χ^2/NDF: 11919633.9/97

- sign 733.733+/-0.097 χ^2/NDF: 6028344.8/49

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: 373.851+/-374.518 χ^2/NDF: 17.8/26

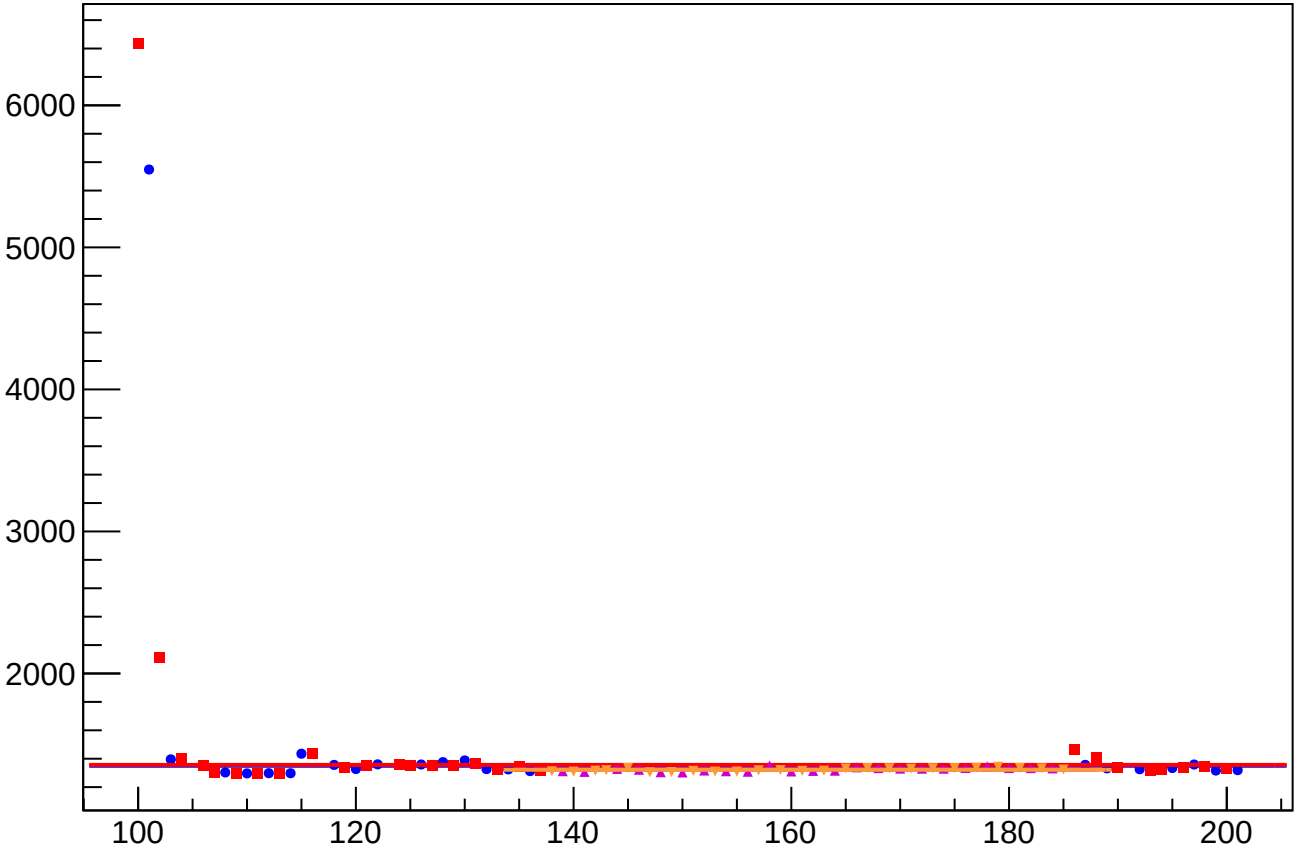
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -106.629+/-238.046 χ^2/NDF: 57.4/47

All: 37.159+/-168.428 χ^2/NDF: 104.2/97

- sign 181.304+/-238.341 χ^2/NDF: 46.1/49

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

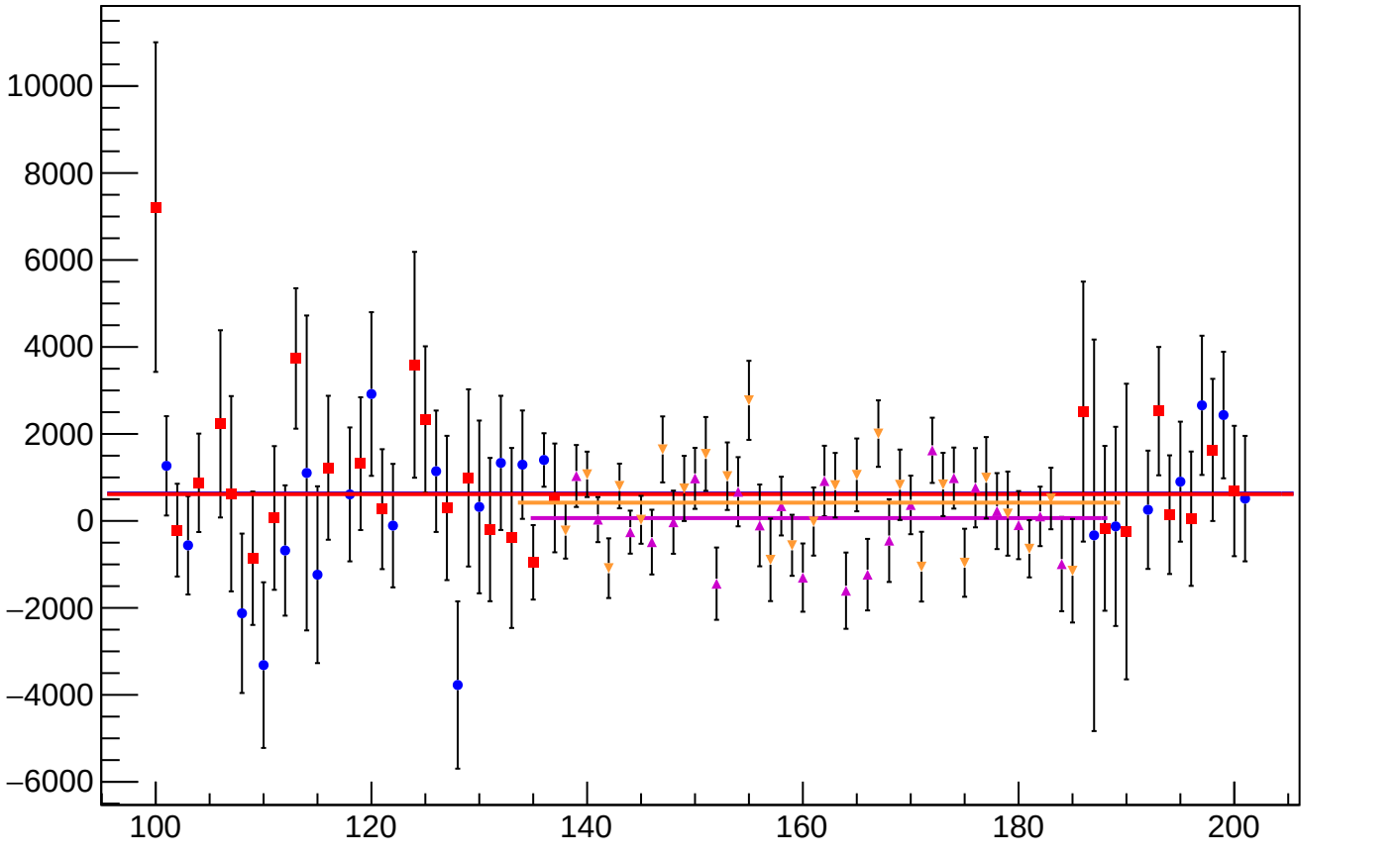
Right Out: 1356.358+/-0.265 χ^2/NDF: 216499.5/26

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.852+/-0.168 χ^2/NDF: 773300.0/47

All: 1334.779+/-0.119 χ^2/NDF: 1003169.2/97

- sign 1336.711+/-0.169 χ^2/NDF: 229606.7/49



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: 616.352+/-300.695 χ^2/NDF: 18.6/26

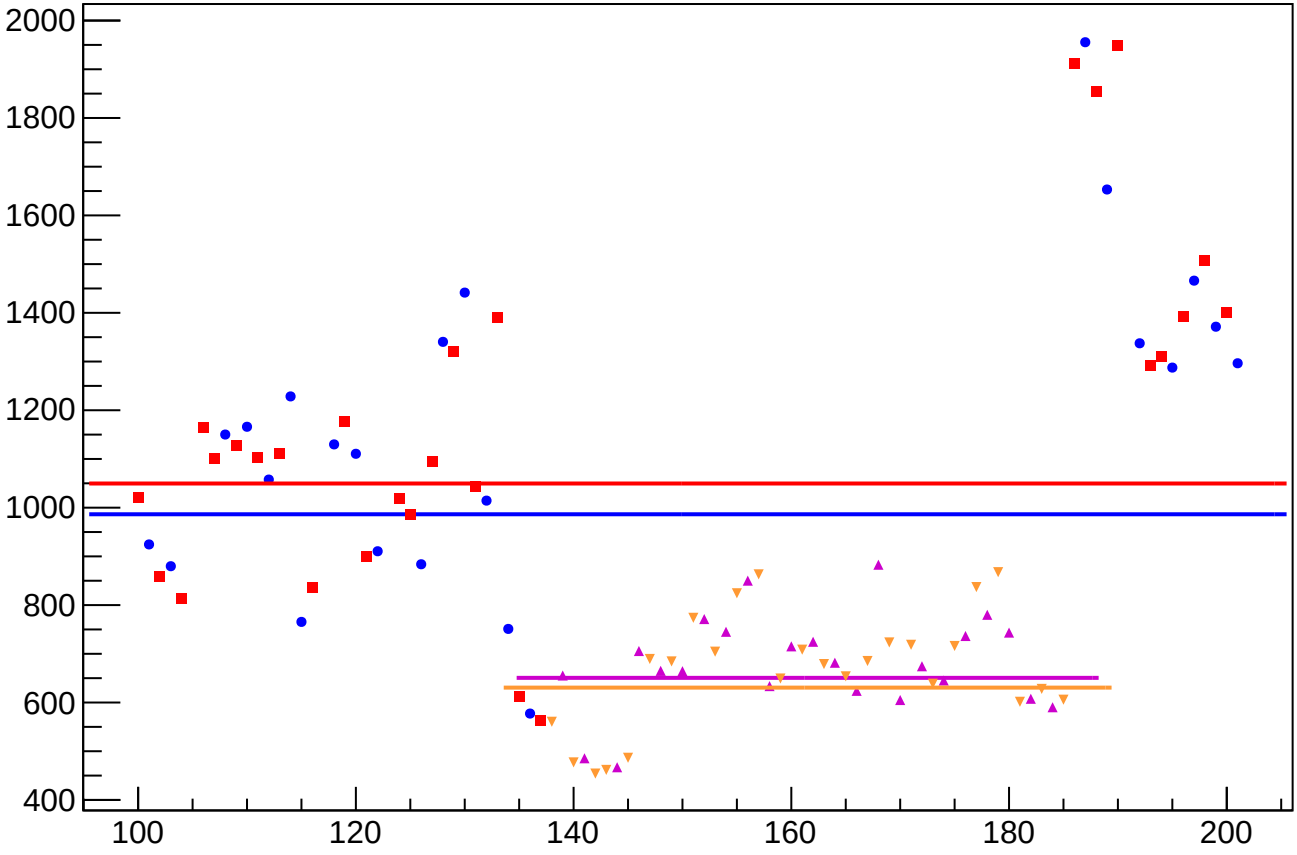
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 461.693+/-131.178 χ^2/NDF: 64.2/47

All: 327.265+/-94.823 χ^2/NDF: 114.7/97

- sign 180.152+/-137.228 χ^2/NDF: 48.3/49

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: 1049.615+/-0.213 χ^2/NDF: 2318513.6/26

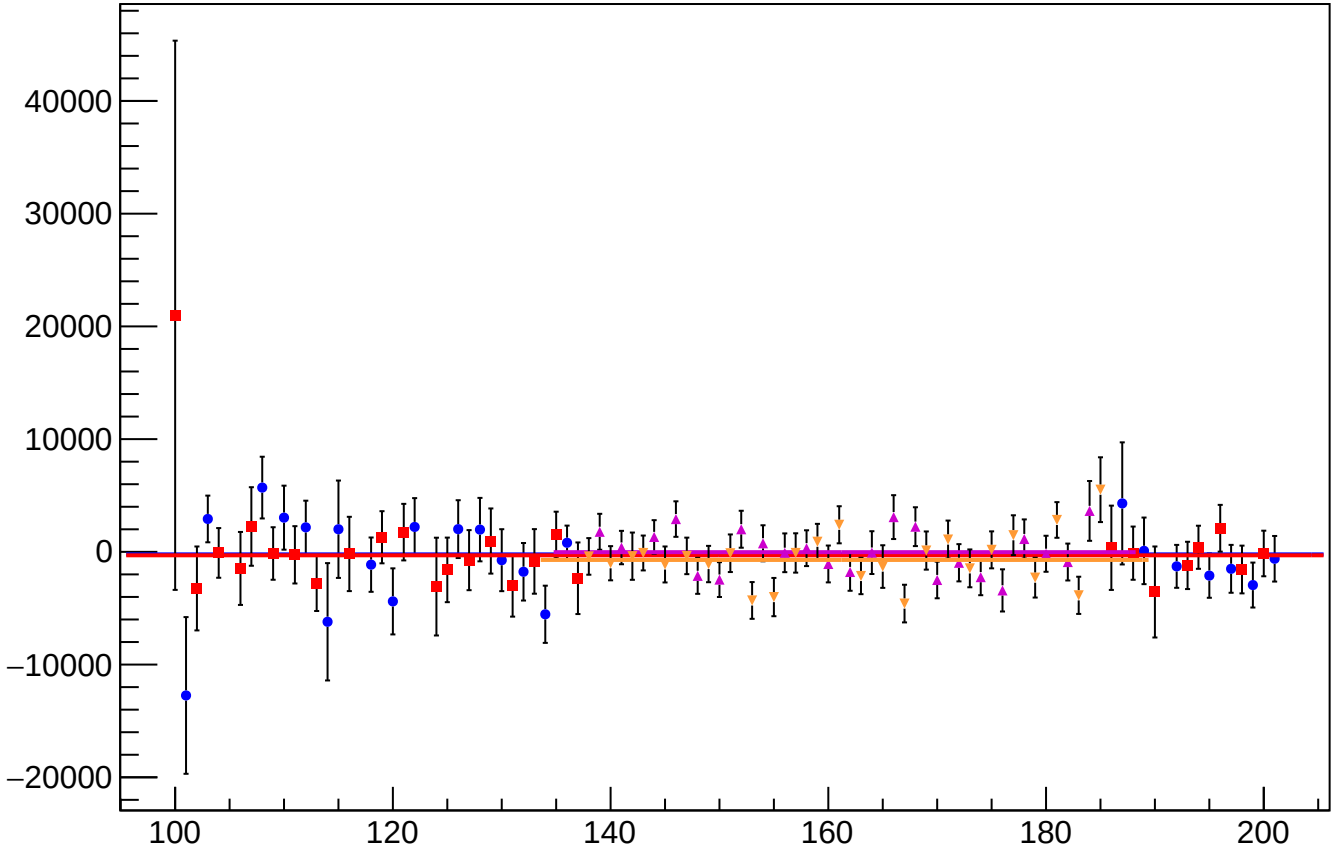
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 700.891+/-0.093 χ^2/NDF: 5831428.7/47

All: 716.572+/-0.067 χ^2/NDF: 11919612.4/97

- sign 733.734+/-0.097 χ^2/NDF: 6028323.4/49

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: -306.456+/-503.810 χ^2/NDF: 10.0/26

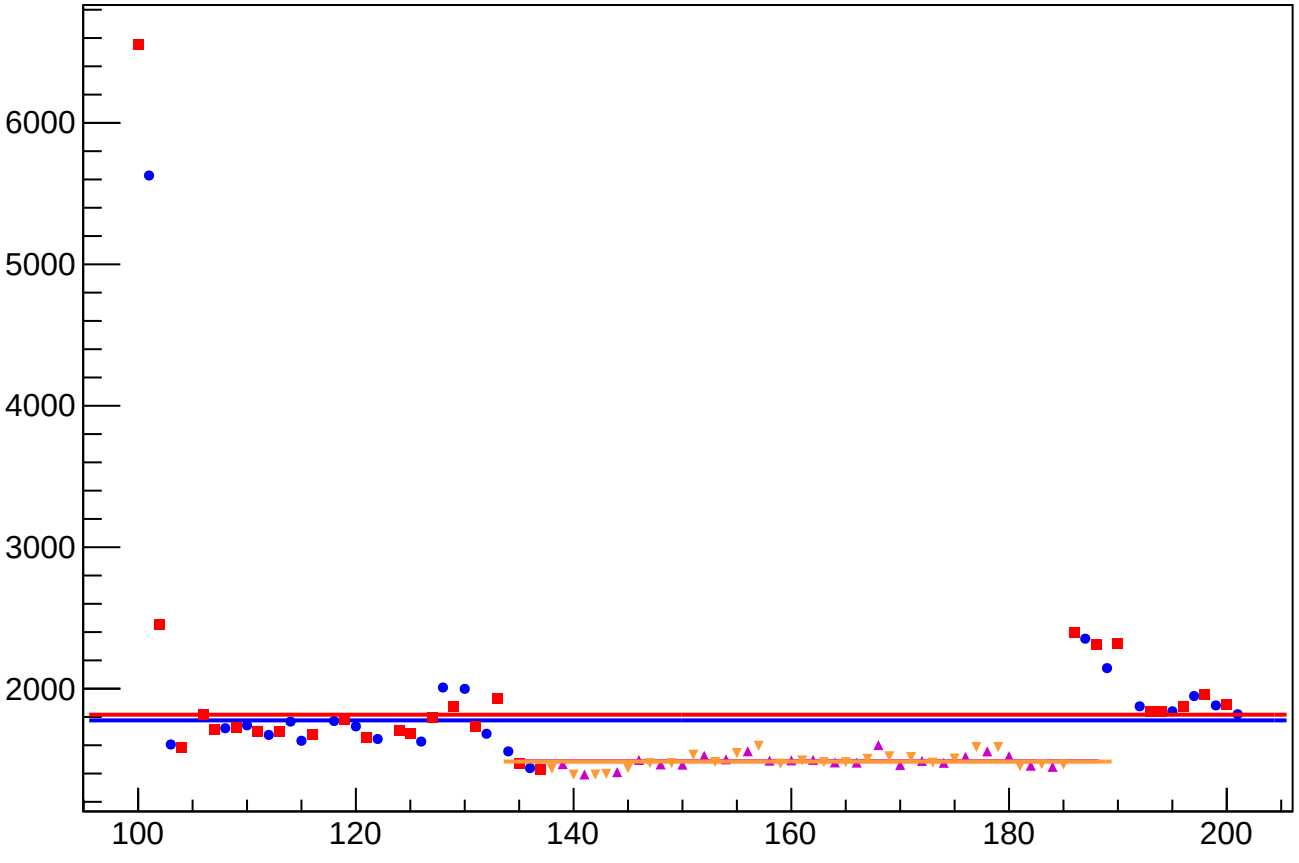
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -569.626+/-282.296 χ^2/NDF: 66.4/47

All: -346.470+/-200.913 χ^2/NDF: 105.9/97

- sign -117.409+/-286.007 χ^2/NDF: 38.2/49

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: 1816.084+/-0.356 χ^2/NDF: 460962.5/26

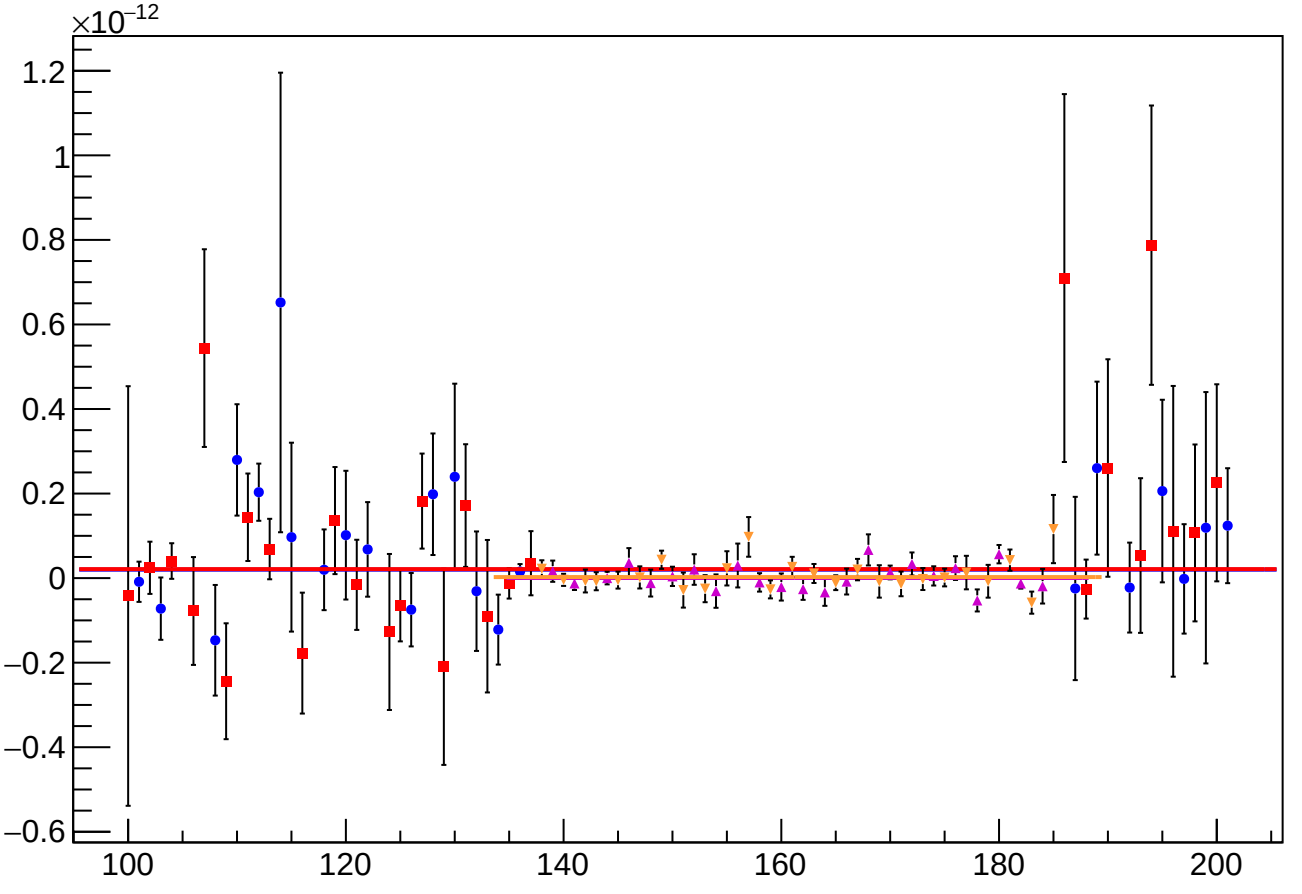
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1572.428+/-0.200 χ^2/NDF: 1368645.0/47

All: 1582.644+/-0.142 χ^2/NDF: 2447654.4/97

- sign 1593.130+/-0.202 χ^2/NDF: 1073701.9/49

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: 31.6/26

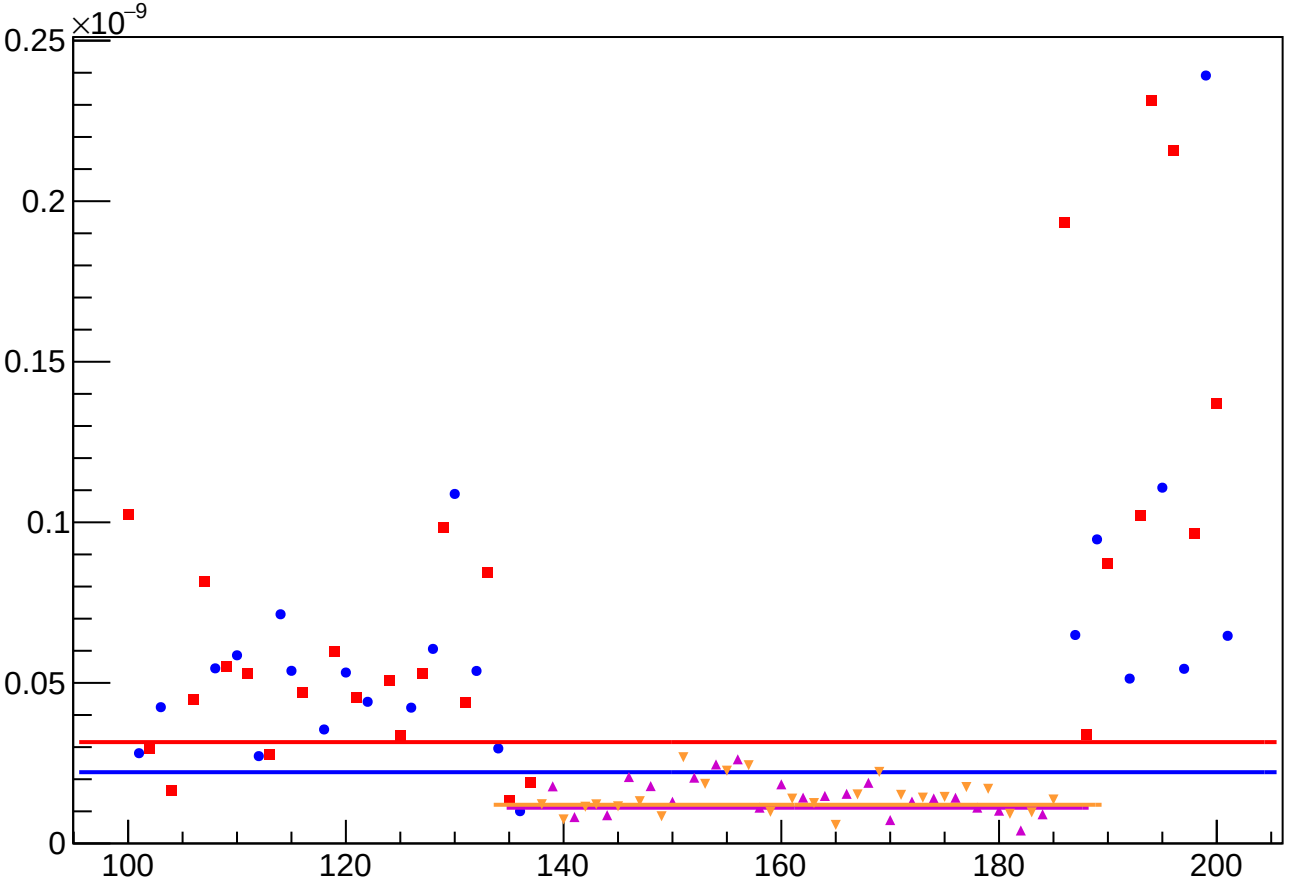
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/47

All: 0.000+/-0.000 χ^2/NDF: 111.4/97

- sign 0.000+/-0.000 χ^2/NDF: 57.8/49

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: 4319229.7/26

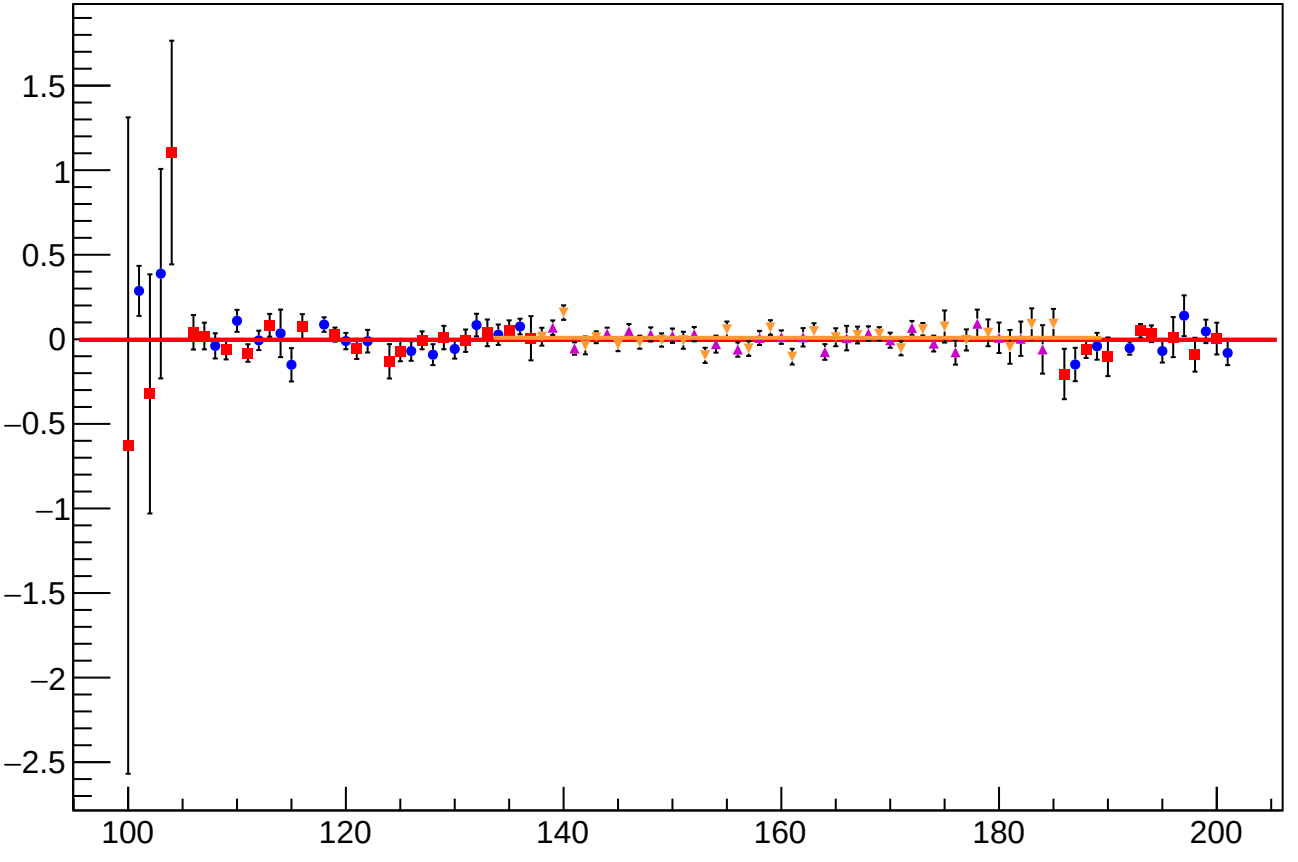
Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6853330.9/47

All: 0.000+/-0.000 χ^2/NDF: 15782846.4/97

- sign 0.000+/-0.000 χ^2/NDF: 8907939.0/49

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: -0.004+/-0.013 χ^2/NDF: 21.8/26

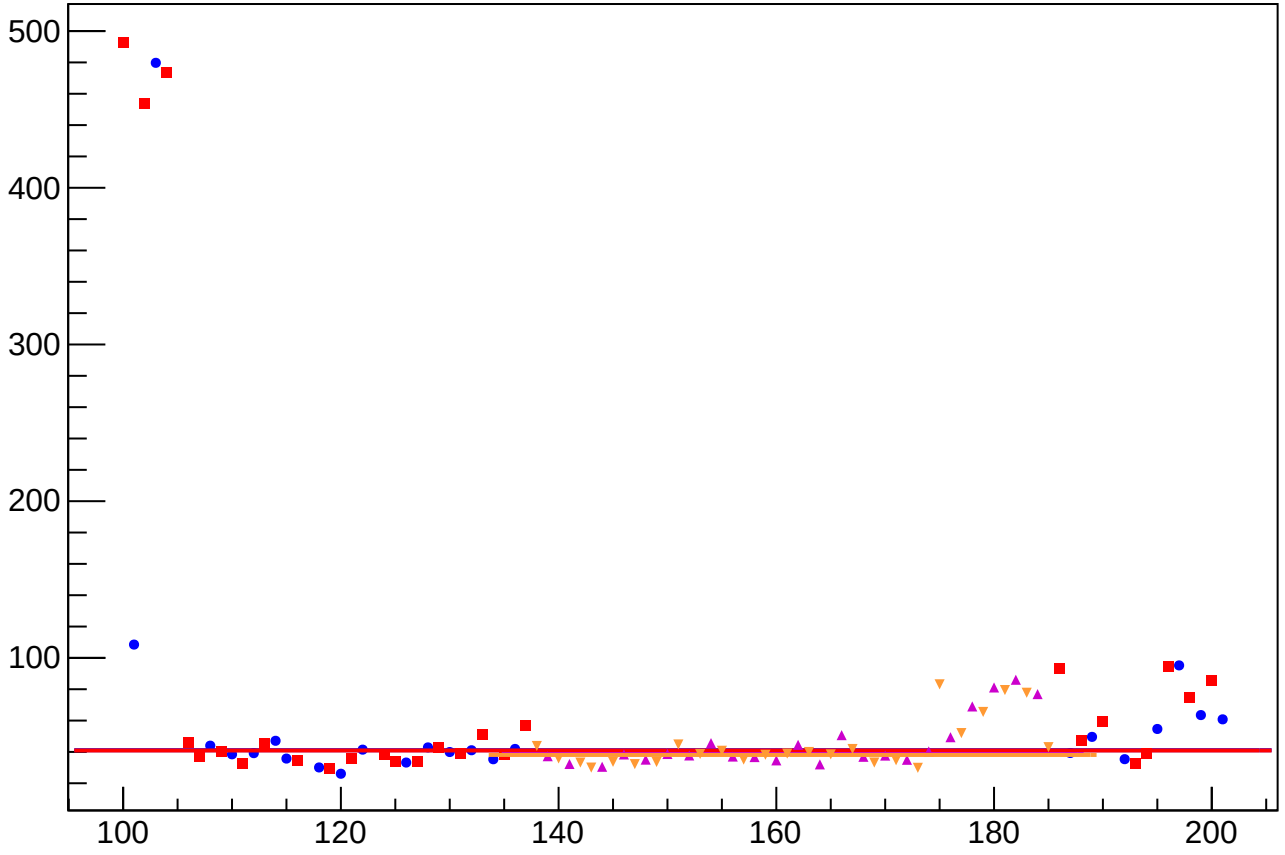
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 70.3/47

All: 0.004+/-0.006 χ^2/NDF: 111.5/97

- sign 0.004+/-0.008 χ^2/NDF: 41.2/49

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

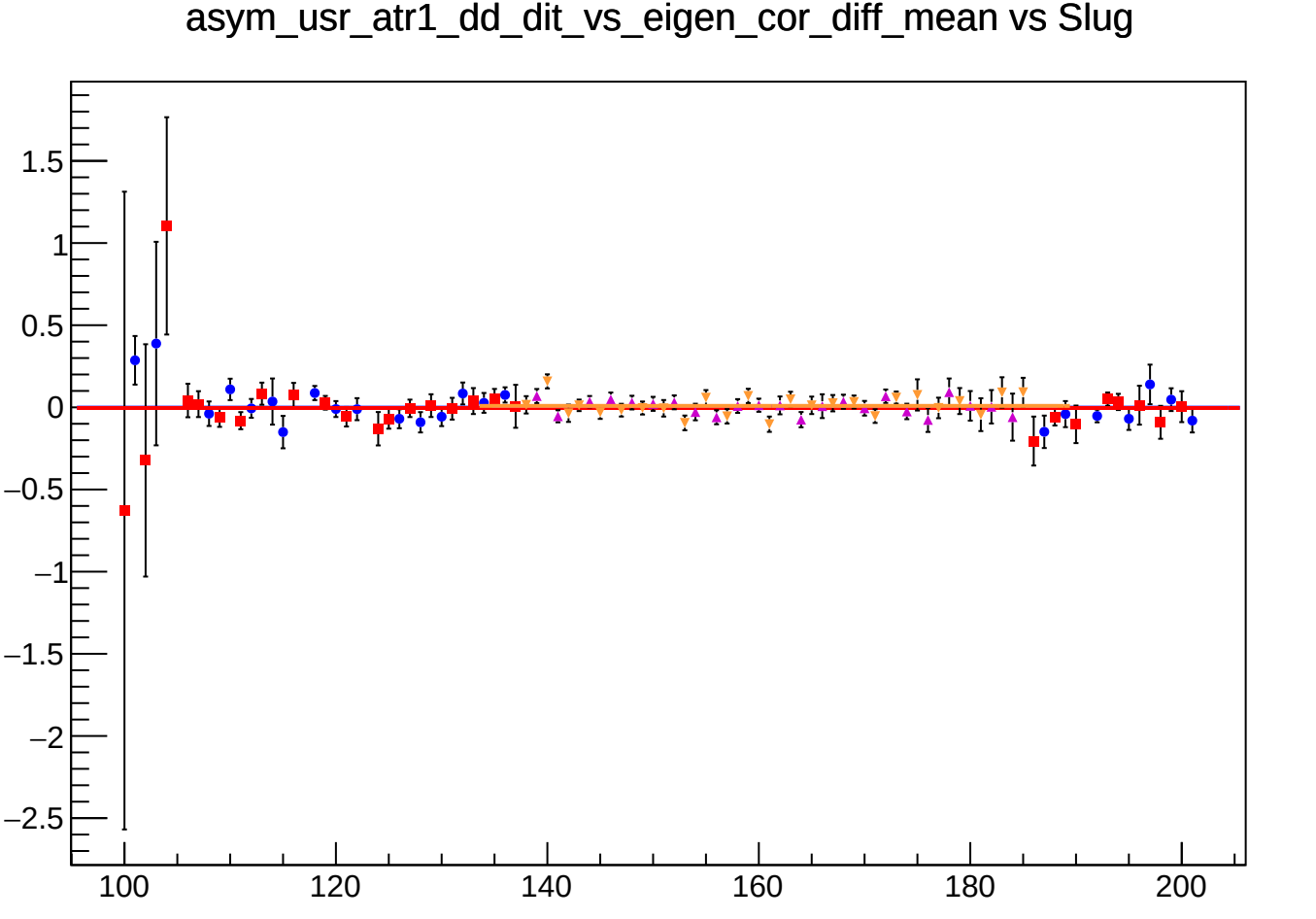
Right Out: 40.919+/-0.009 χ^2/NDF: 3549784.7/26

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.089+/-0.006 χ^2/NDF: 4760484.6/47

All: 39.267+/-0.004 χ^2/NDF: 10078315.9/97

- sign 39.452+/-0.006 χ^2/NDF: 5315708.3/49



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: -0.004+/-0.013 χ^2/NDF: 21.8/26

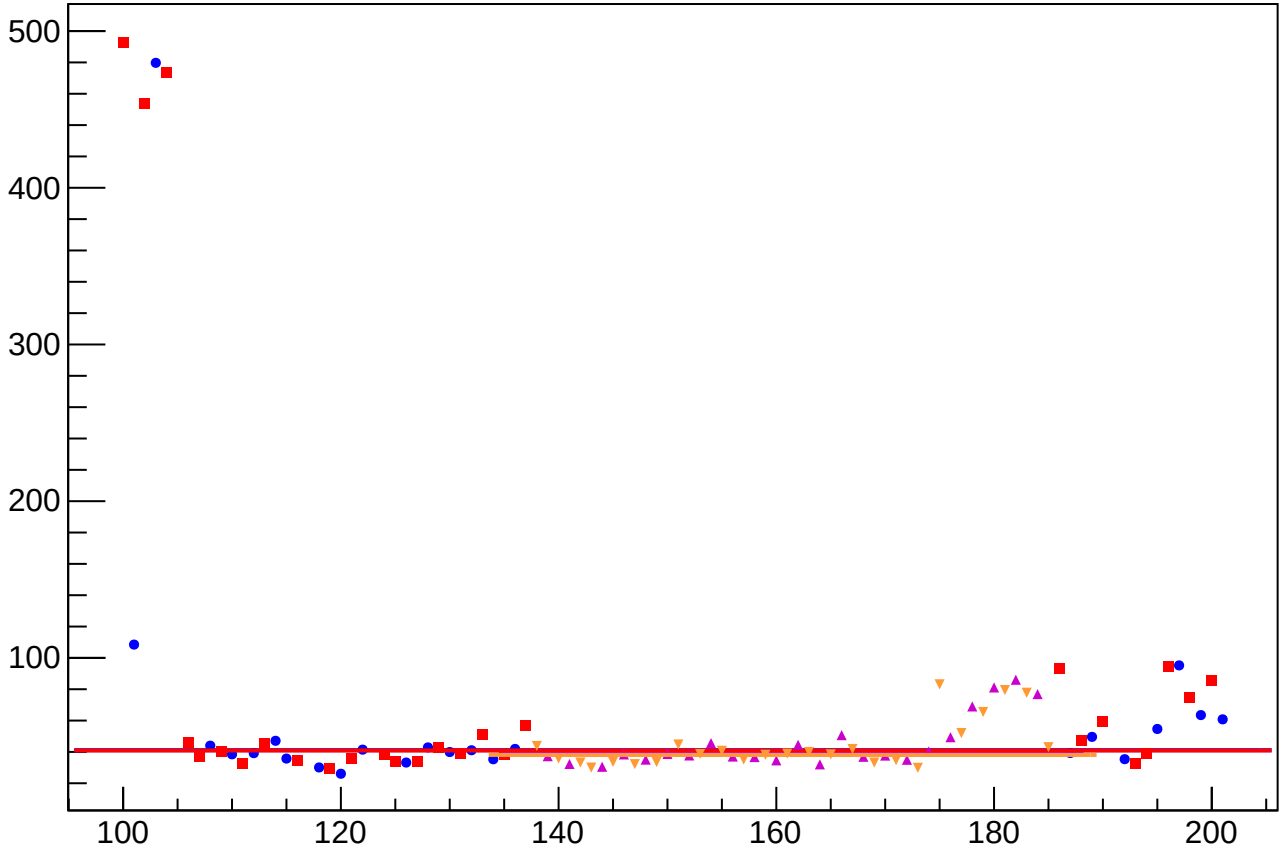
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 70.3/47

All: 0.004+/-0.006 χ^2/NDF: 111.5/97

- sign 0.004+/-0.008 χ^2/NDF: 41.2/49

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

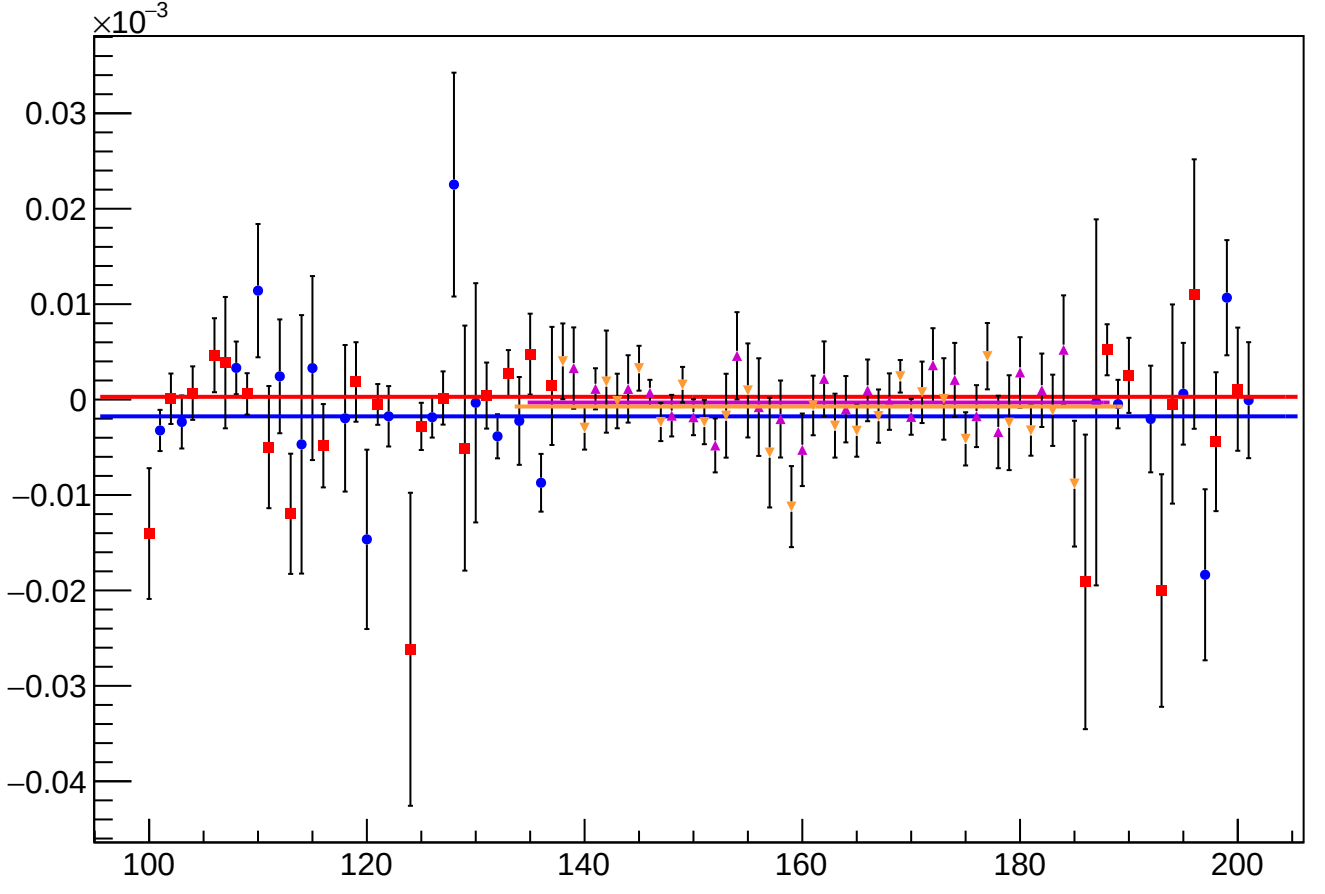
Right Out: 40.919+/-0.009 χ^2/NDF: 3549784.7/26

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.089+/-0.006 χ^2/NDF: 4760484.6/47

All: 39.267+/-0.004 χ^2/NDF: 10078315.9/97

- sign 39.452+/-0.006 χ^2/NDF: 5315708.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

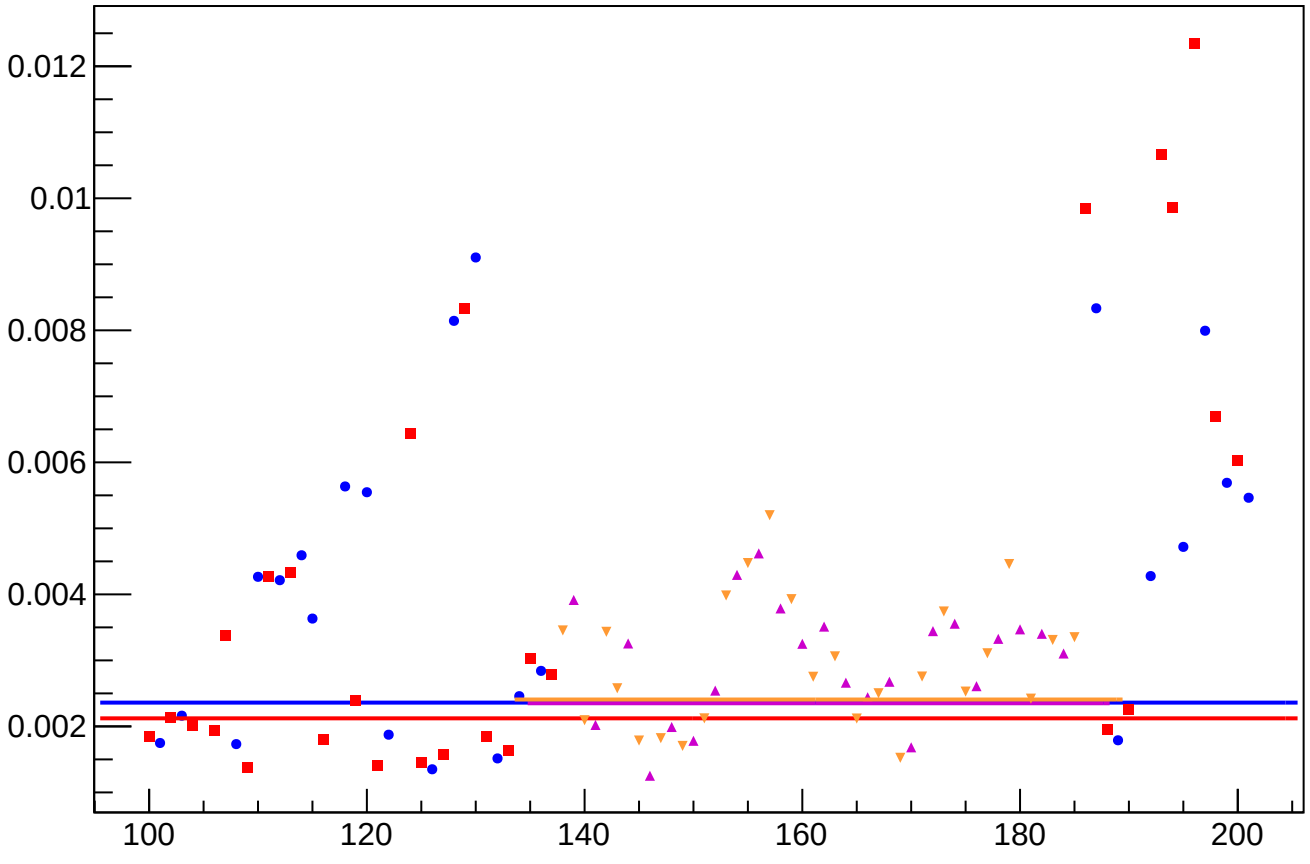
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/26

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: 100.6/97

- sign -0.000+/-0.000 χ^2/NDF: 41.9/49



Right In: 0.002+/-0.000 χ^2/NDF: 6021640.2/22

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

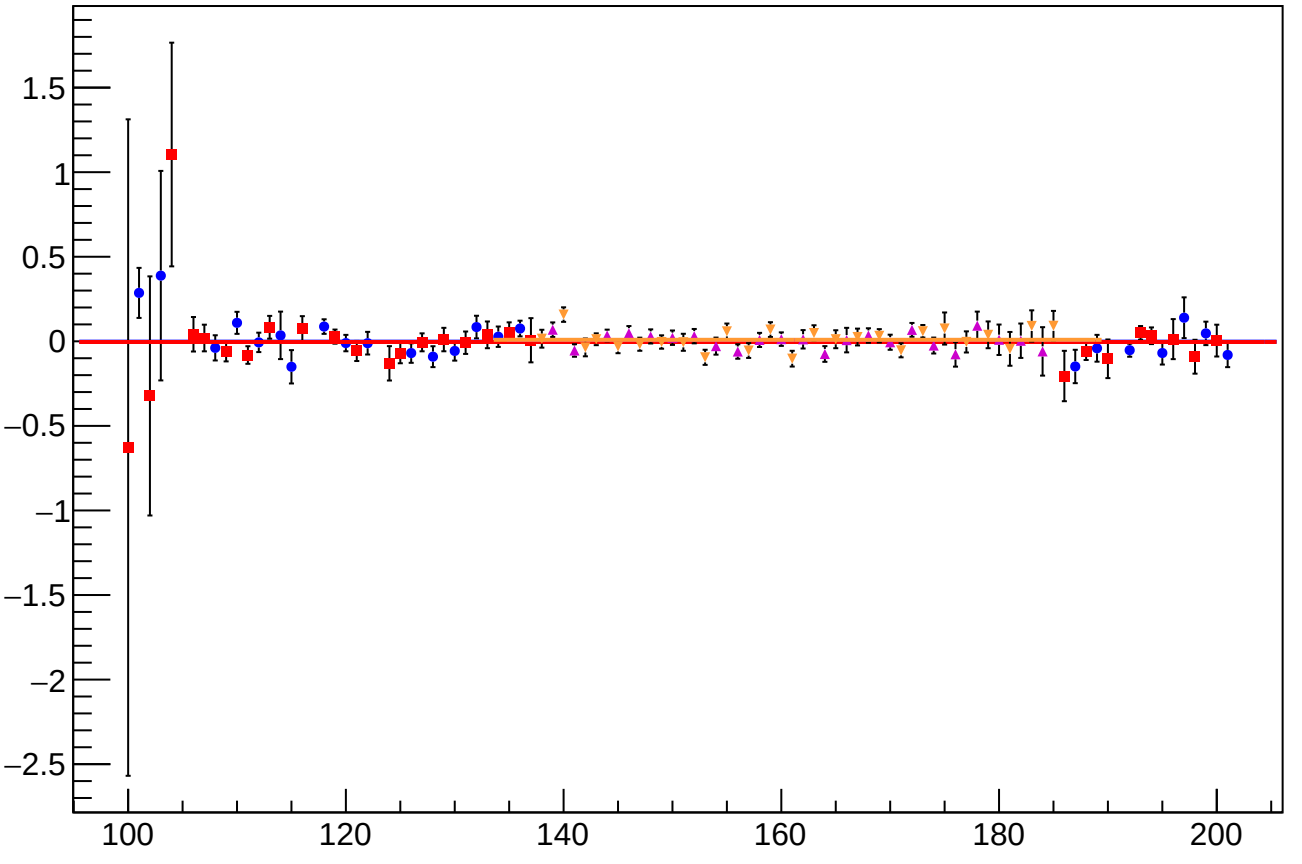
Right Out: 0.002+/-0.000 χ^2/NDF: 7233066.2/26

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: 21577859.3/97

- sign 0.002+/-0.000 χ^2/NDF: 11789129.5/49



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: -0.004+/-0.013 χ^2/NDF: 21.8/26

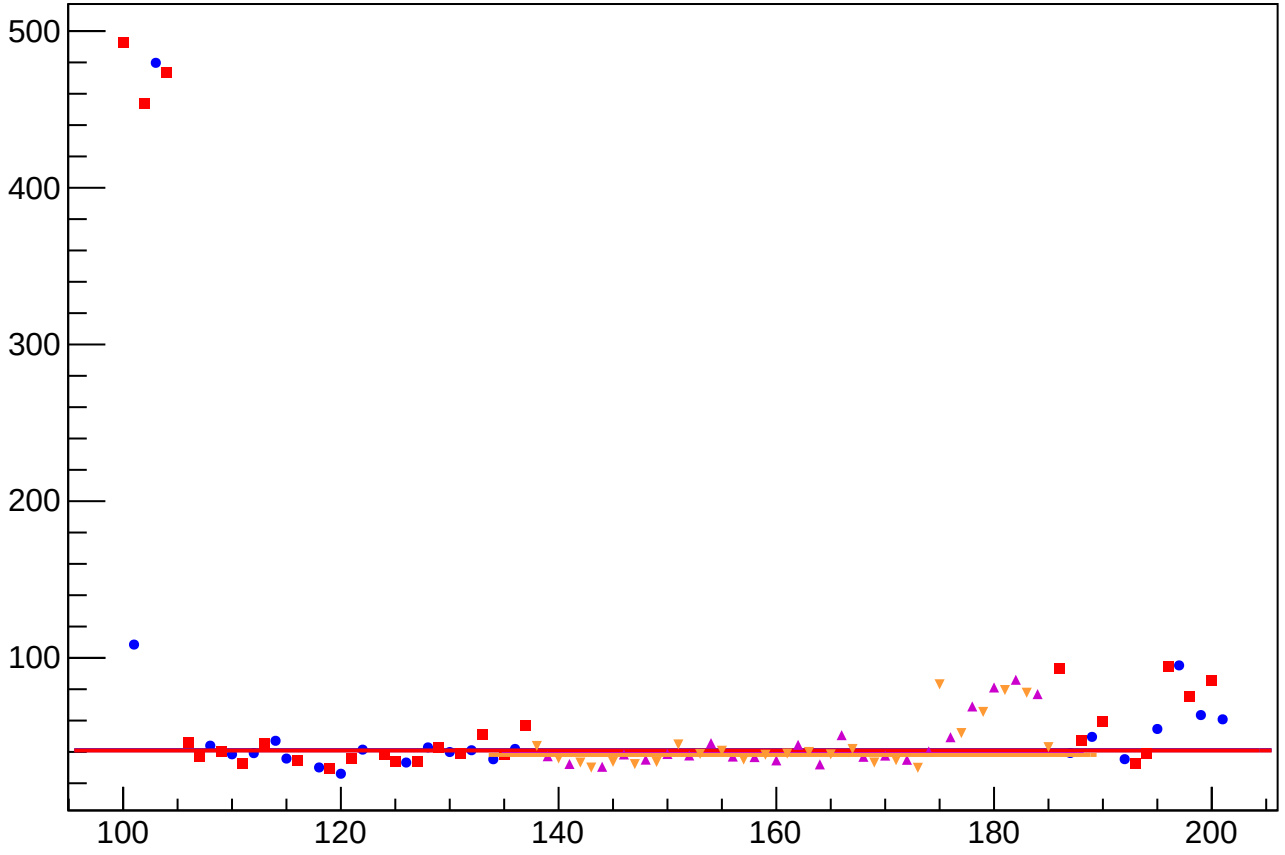
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 70.3/47

All: 0.004+/-0.006 χ^2/NDF: 111.5/97

- sign 0.004+/-0.008 χ^2/NDF: 41.2/49

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

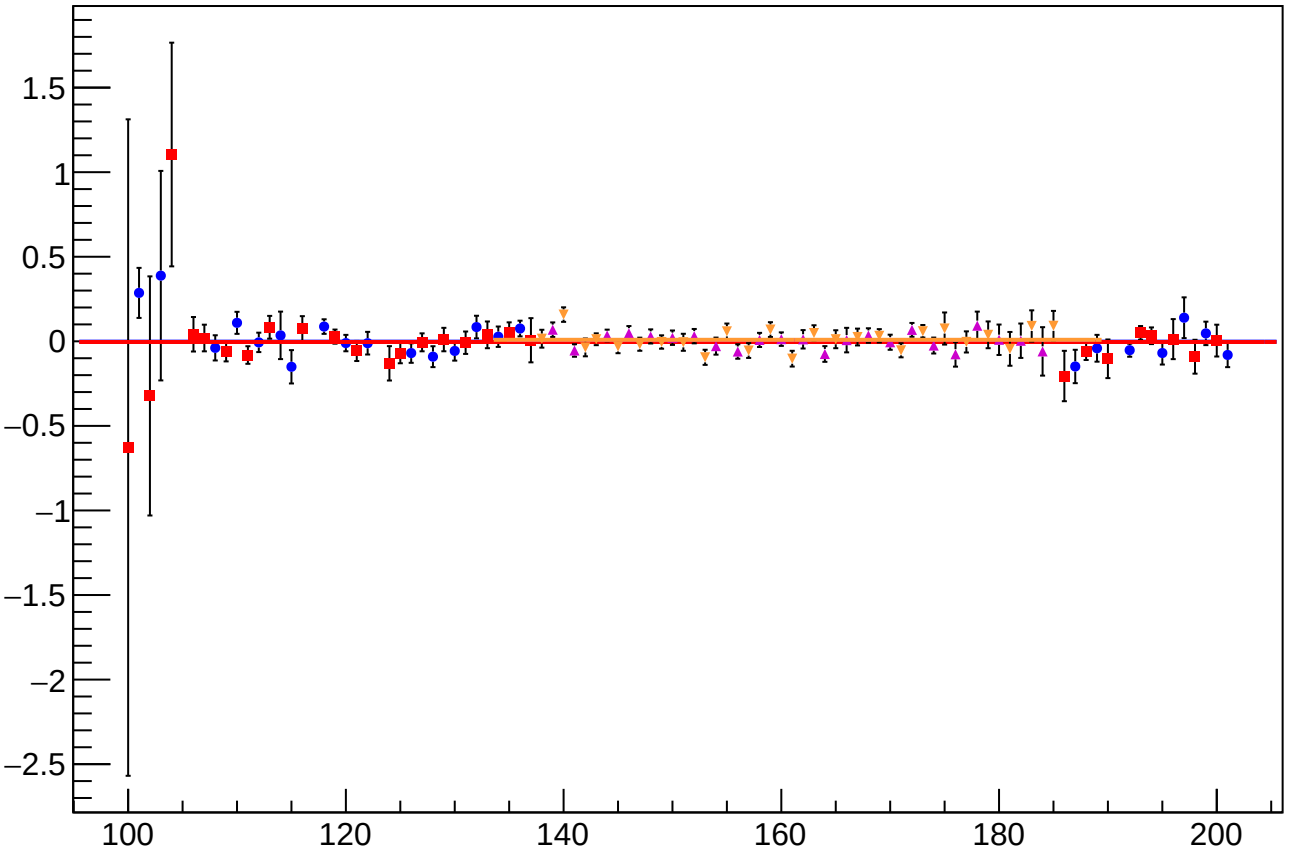
Right Out: 40.915+/-0.009 χ^2/NDF: 3550220.2/26

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.089+/-0.006 χ^2/NDF: 4760590.2/47

All: 39.266+/-0.004 χ^2/NDF: 10078777.5/97

- sign 39.450+/-0.006 χ^2/NDF: 5316076.4/49



Right In: -0.002+/-0.013 χ^2/NDF: 31.3/22

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

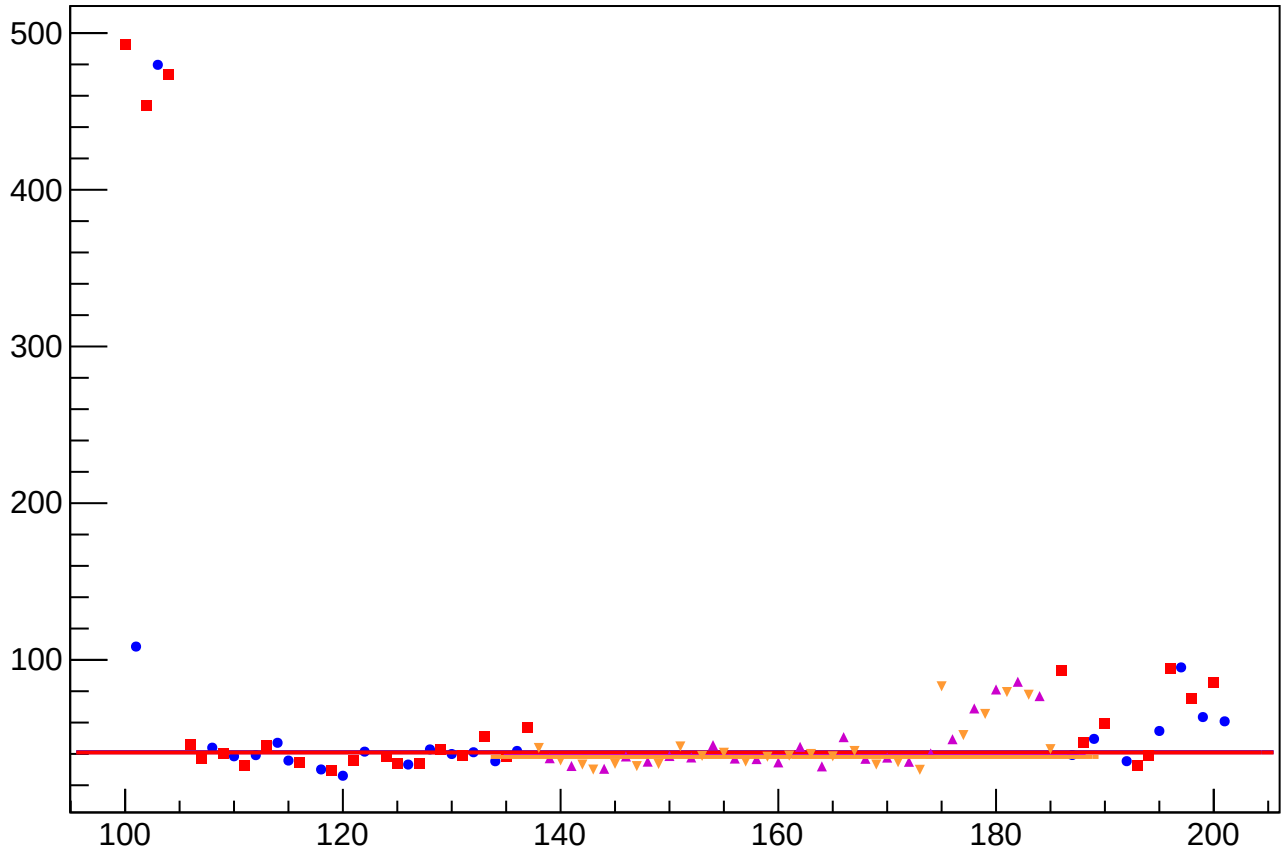
Right Out: -0.004+/-0.013 χ^2/NDF: 21.8/26

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.008 χ^2/NDF: 70.3/47

All: 0.004+/-0.006 χ^2/NDF: 111.5/97

- sign 0.004+/-0.008 χ^2/NDF: 41.2/49



Right In: 41.098+/-0.009 χ^2/NDF: 2725832.9/22

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

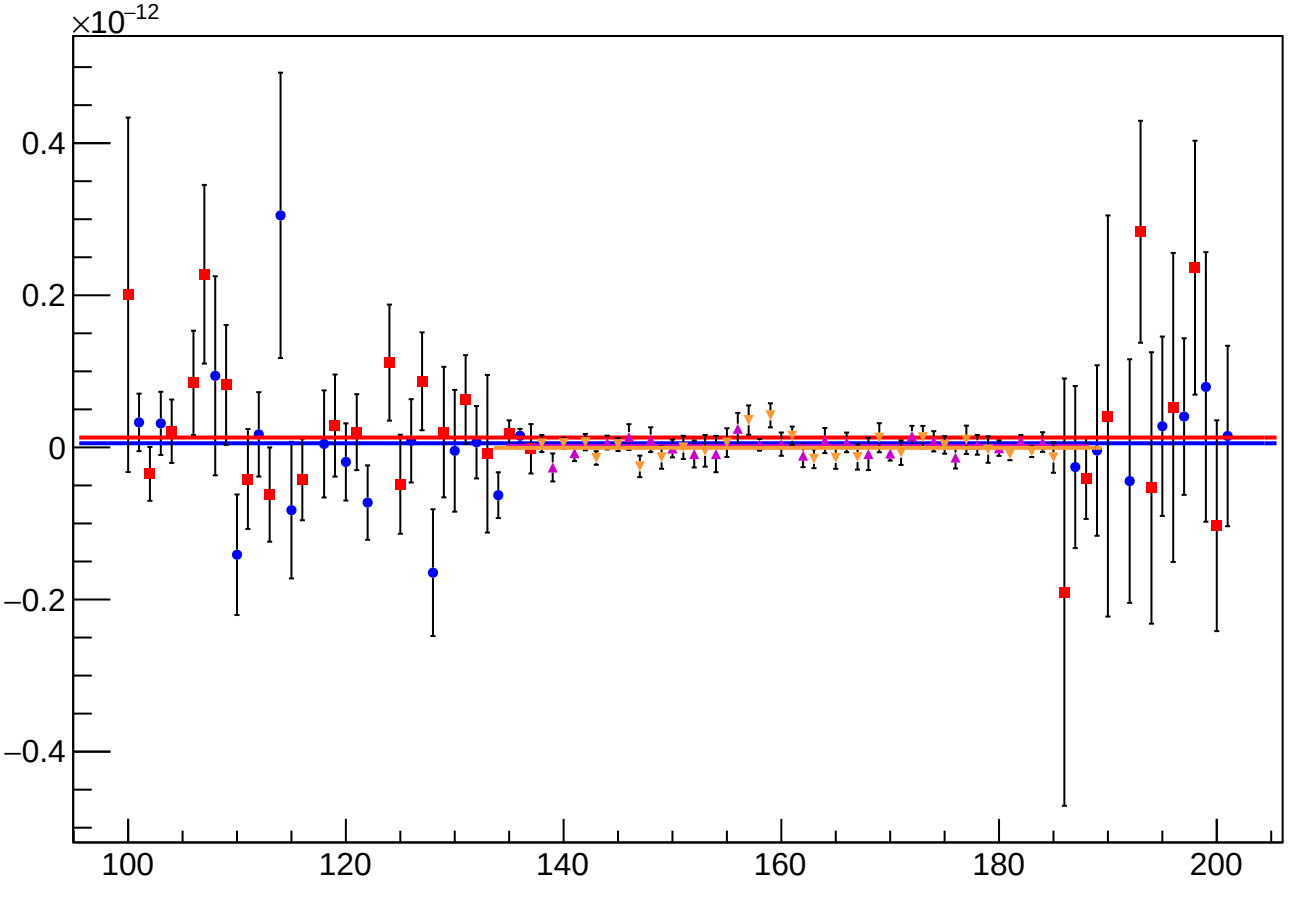
Right Out: 40.915+/-0.009 χ^2/NDF: 3550220.2/26

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.089+/-0.006 χ^2/NDF: 4760590.2/47

All: 39.266+/-0.004 χ^2/NDF: 10078777.5/97

- sign 39.450+/-0.006 χ^2/NDF: 5316076.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

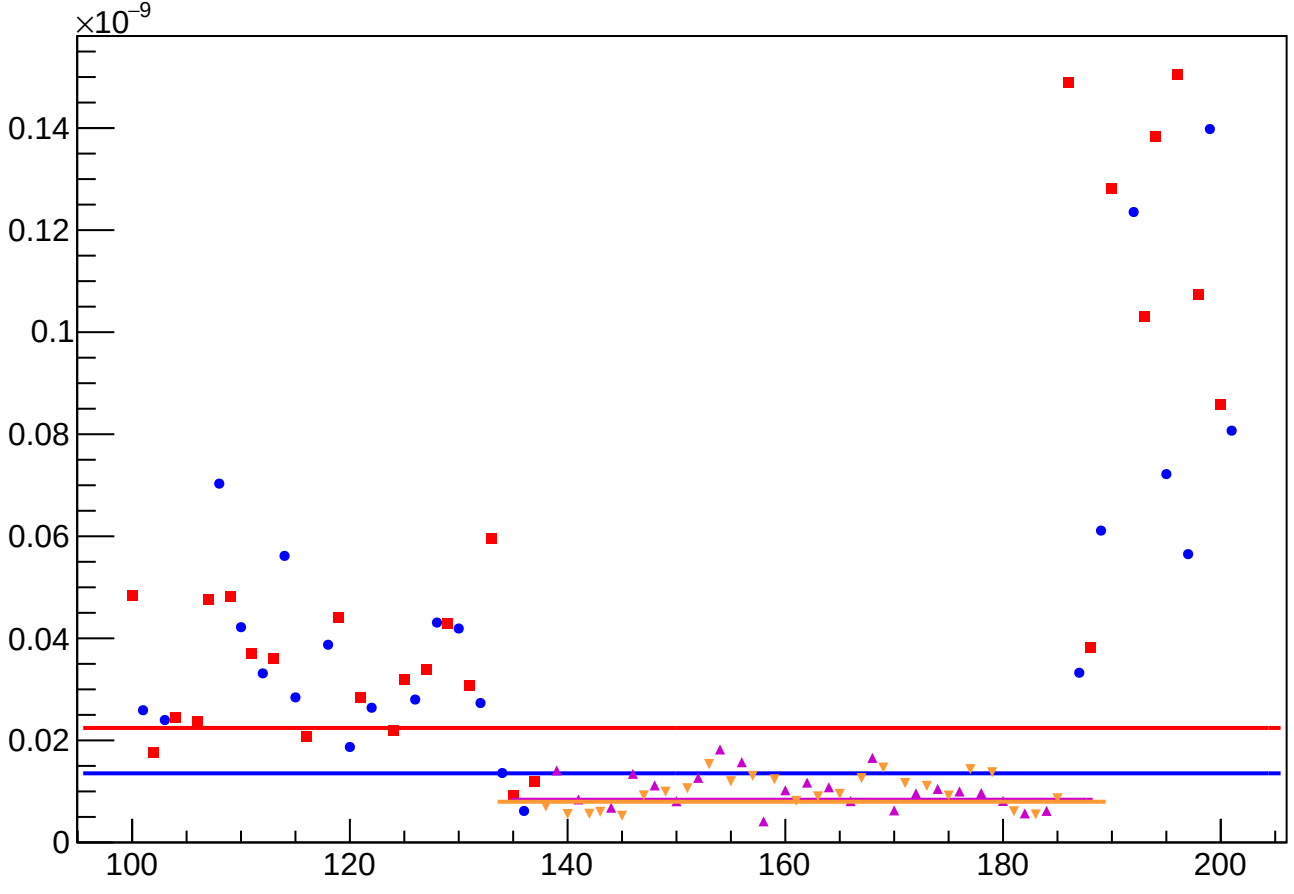
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/26

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: 86.6/97

- sign 0.000+/-0.000 χ^2/NDF: 36.4/49



Right In: 0.000+/-0.000 χ^2/NDF: 7821971.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6851986.6/26

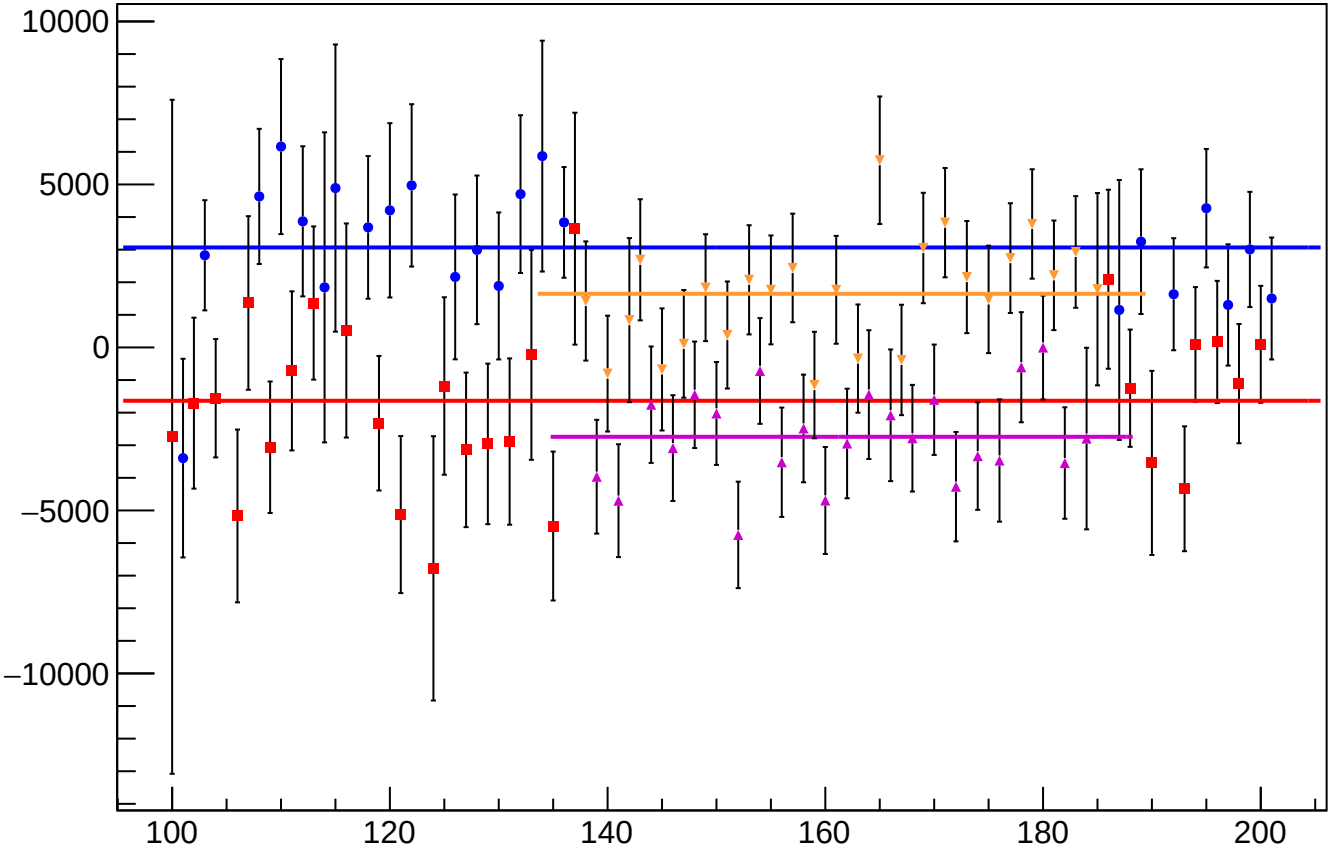
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11663081.7/47

All: 0.000+/-0.000 χ^2/NDF: 24937944.3/97

- sign 0.000+/-0.000 χ^2/NDF: 13187675.3/49

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: -1635.764+/-449.267 χ^2/NDF: 23.0/26

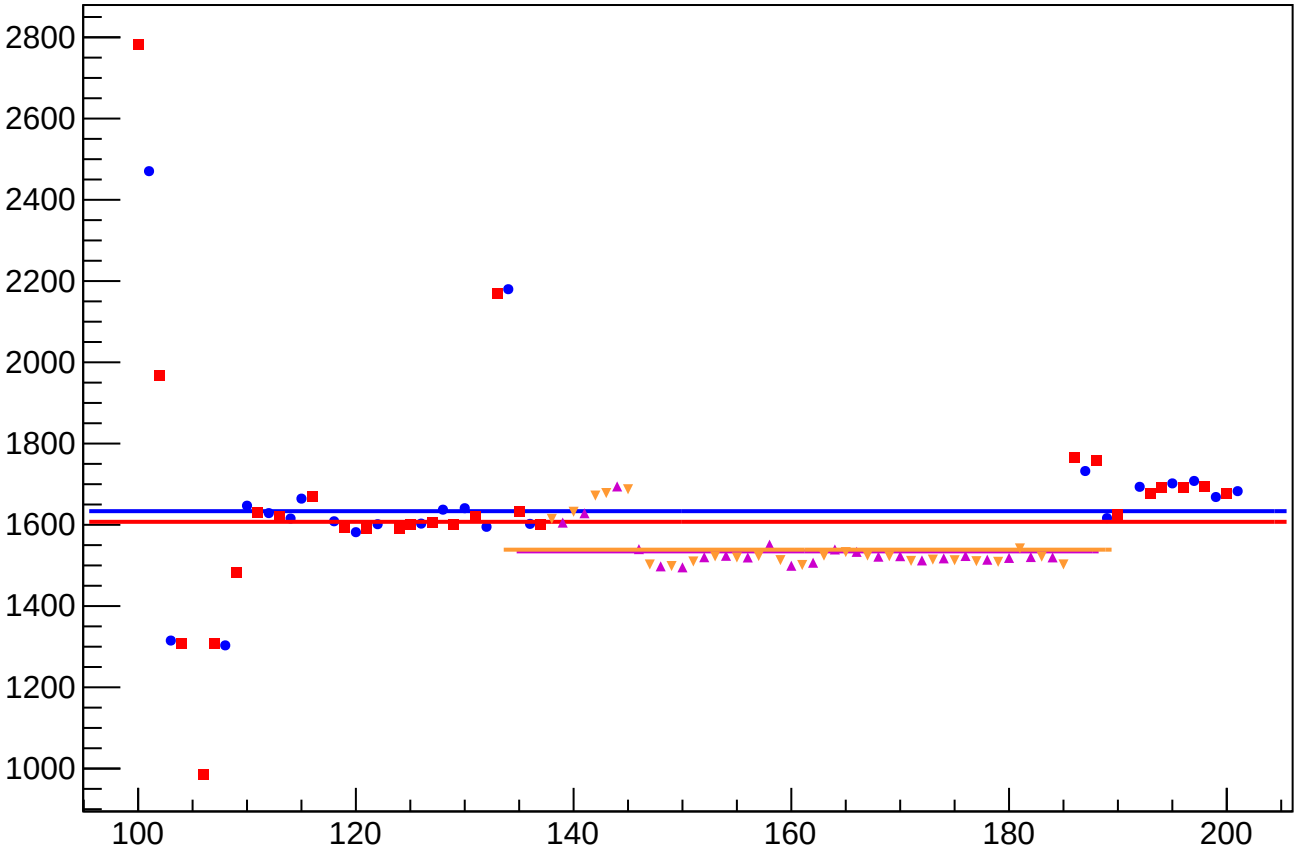
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2155.789+/-280.125 χ^2/NDF: 39.2/47

All: -77.030+/-198.104 χ^2/NDF: 209.5/97

- sign -2311.042+/-280.199 χ^2/NDF: 43.2/49

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: 1607.368+/-0.315 χ^2/NDF: 439069.5/26

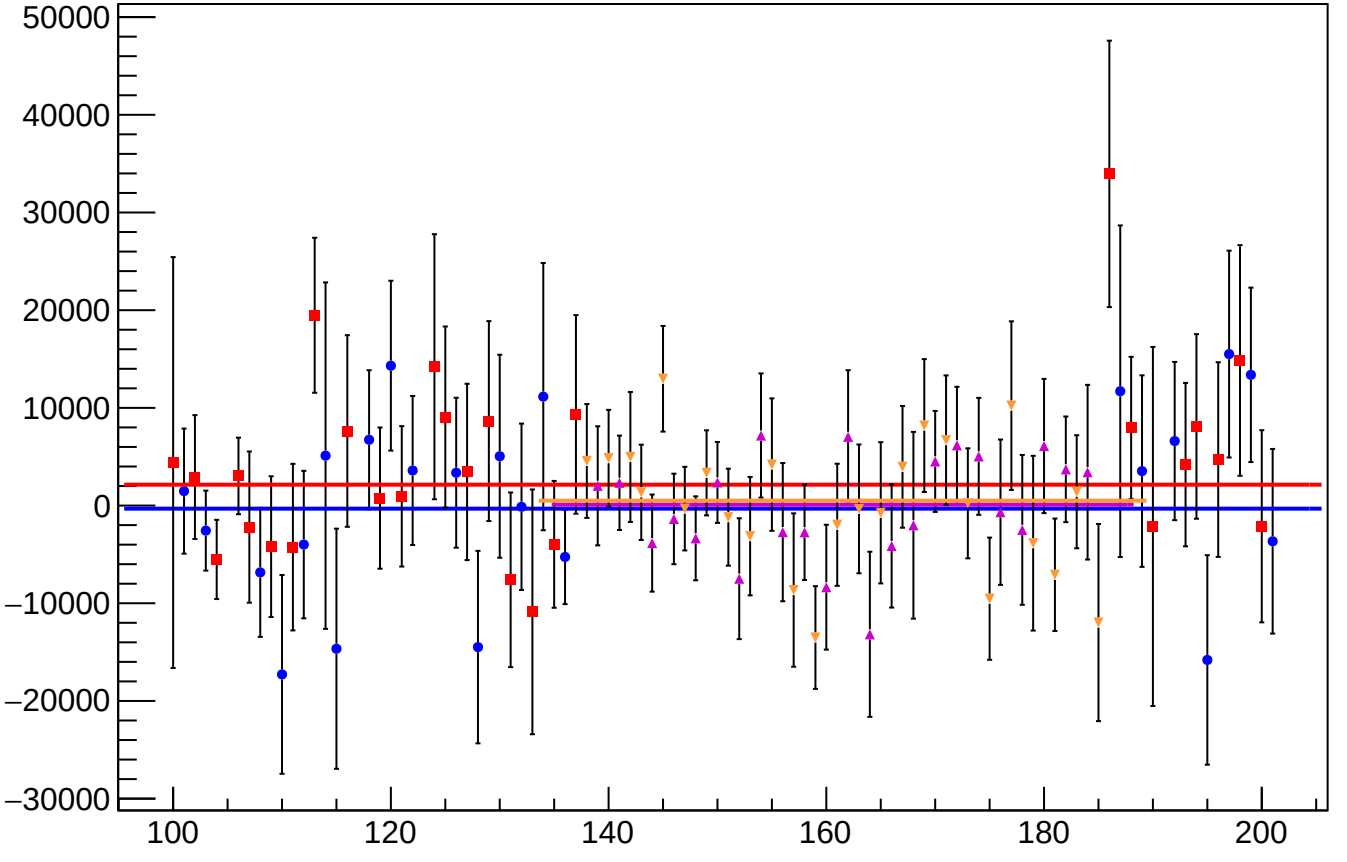
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1572.793+/-0.198 χ^2/NDF: 435029.5/47

All: 1568.008+/-0.140 χ^2/NDF: 938818.0/97

- sign 1563.257+/-0.197 χ^2/NDF: 502625.4/49

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: 2138.270+/-1508.893 χ^2/NDF: 23.9/26

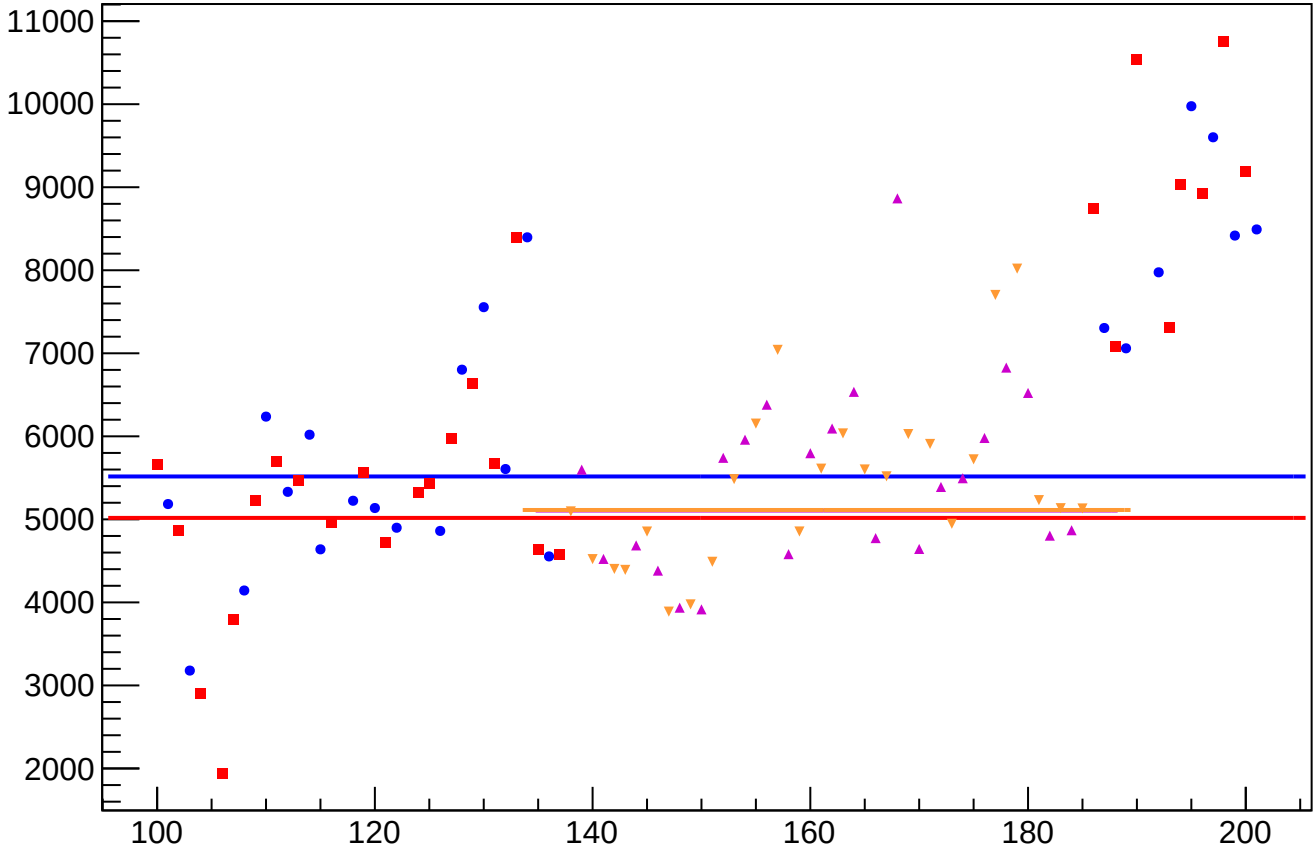
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

\+ sign 226.285+/-965.571 χ^2/NDF: 49.4/47

All: 570.784+/-676.303 χ^2/NDF: 89.5/97

\- sign 902.550+/-947.558 χ^2/NDF: 39.9/49

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: 5017.483+/-1.067 χ^2/NDF: 4255048.4/26

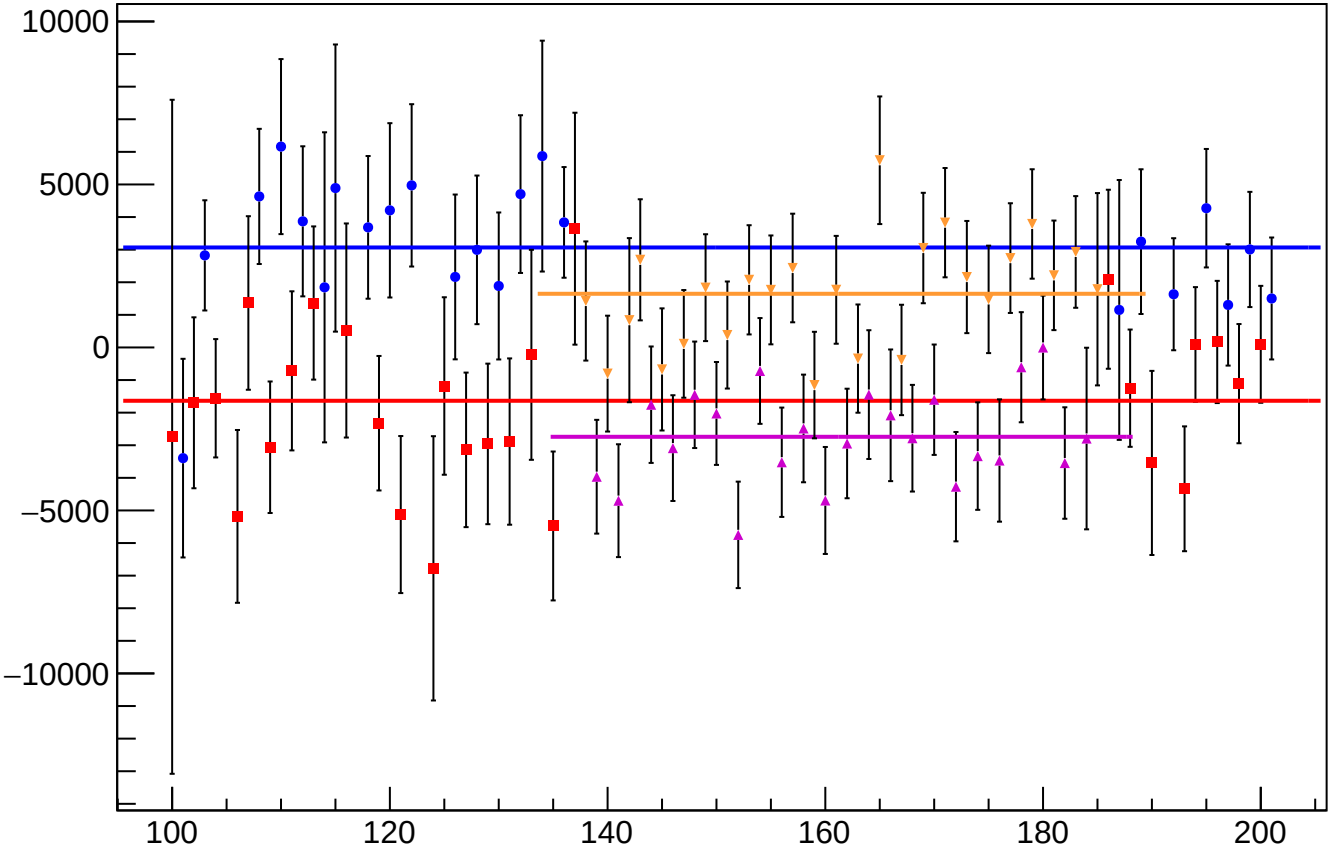
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5249.634+/-0.683 χ^2/NDF: 3628066.1/47

All: 5158.802+/-0.478 χ^2/NDF: 9173685.5/97

- sign 5071.326+/-0.670 χ^2/NDF: 5510875.6/49

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: -1635.756+/-449.269 χ^2/NDF: 23.0/26

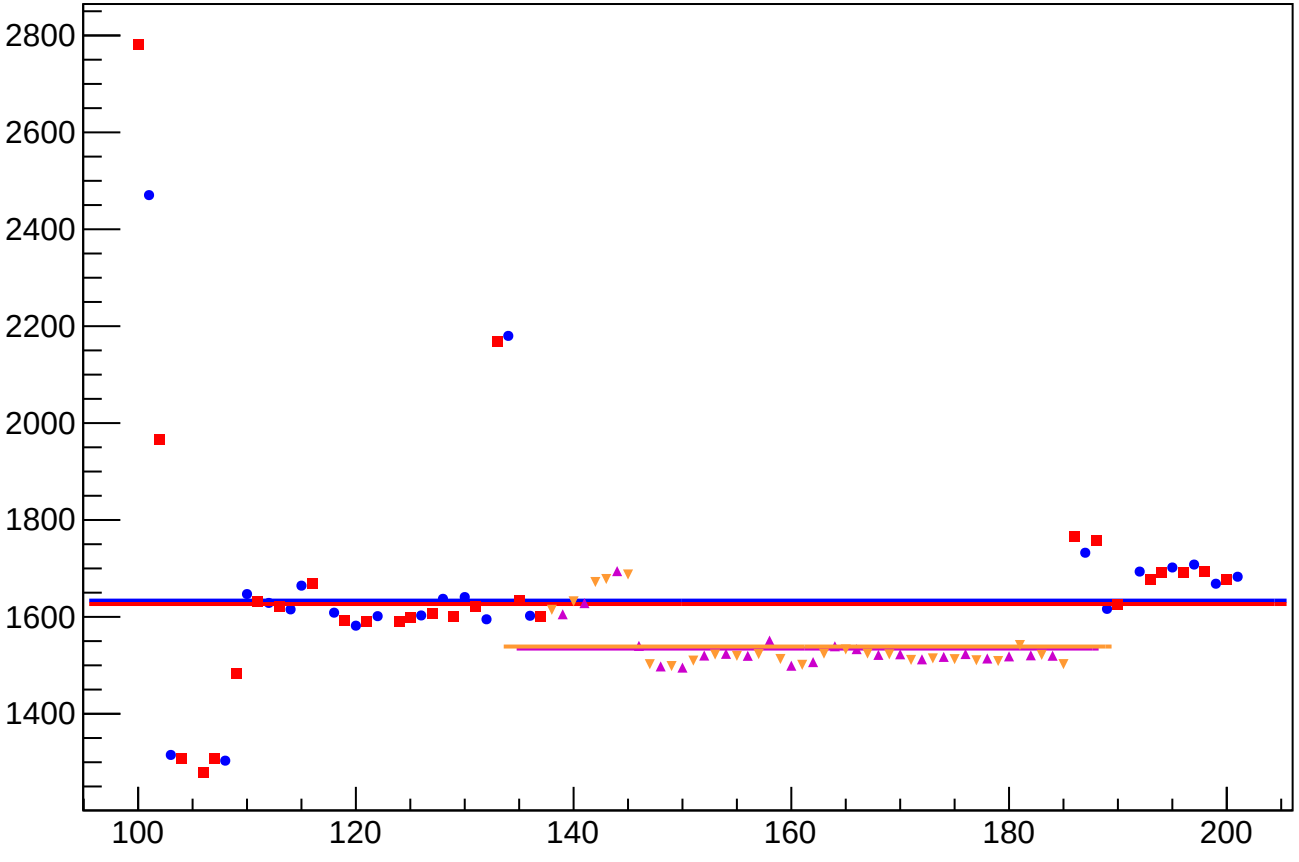
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2155.669+/-280.125 χ^2/NDF: 39.2/47

All: -77.057+/-198.105 χ^2/NDF: 209.5/97

- sign -2310.980+/-280.200 χ^2/NDF: 43.2/49

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: 1626.559+/-0.317 χ^2/NDF: 284945.0/26

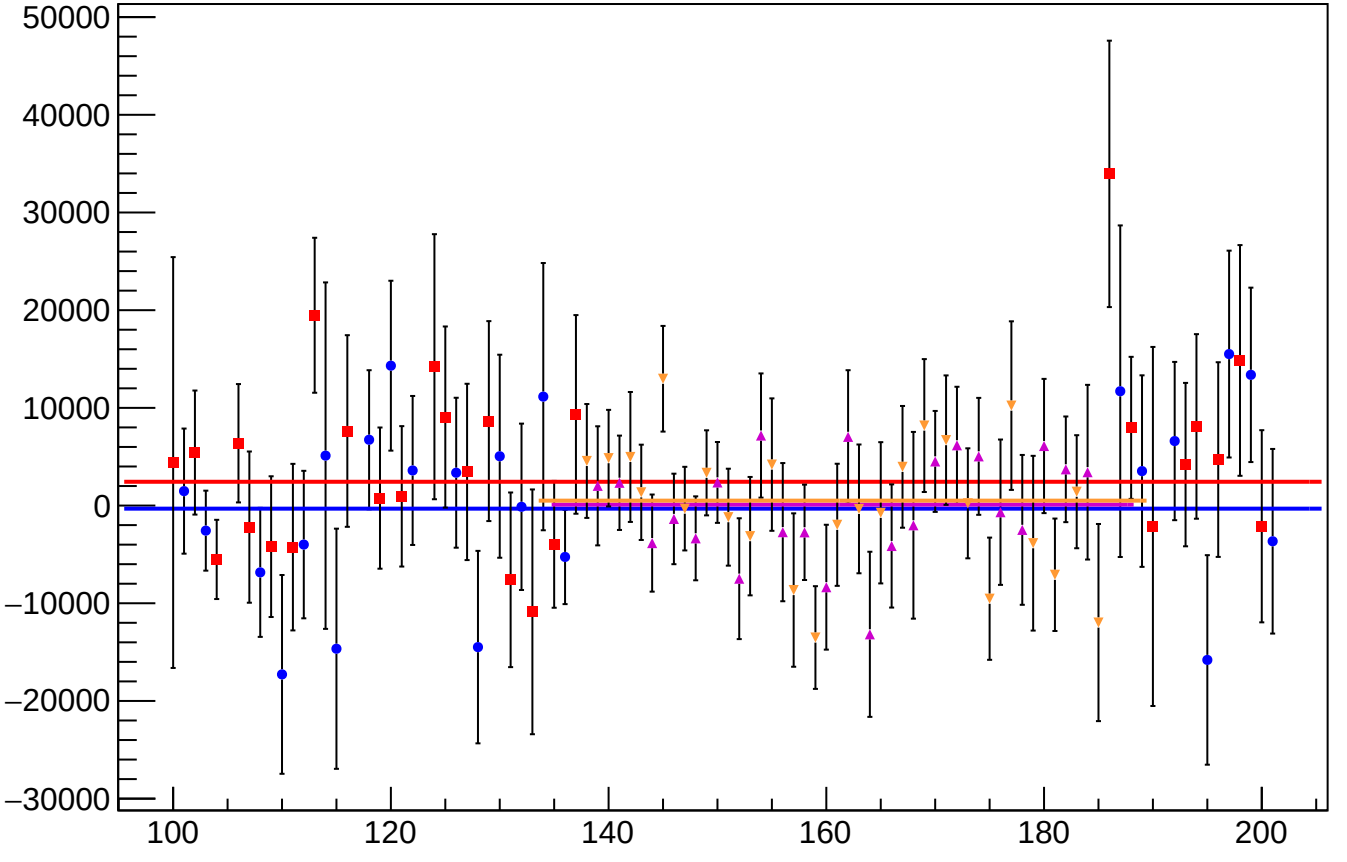
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1572.793+/-0.198 χ^2/NDF: 435028.7/47

All: 1571.636+/-0.140 χ^2/NDF: 802490.2/97

- sign 1570.480+/-0.198 χ^2/NDF: 367393.2/49

asym_usr_atr2_avg_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: 2435.930+/-1578.751 χ^2/NDF: 24.5/26

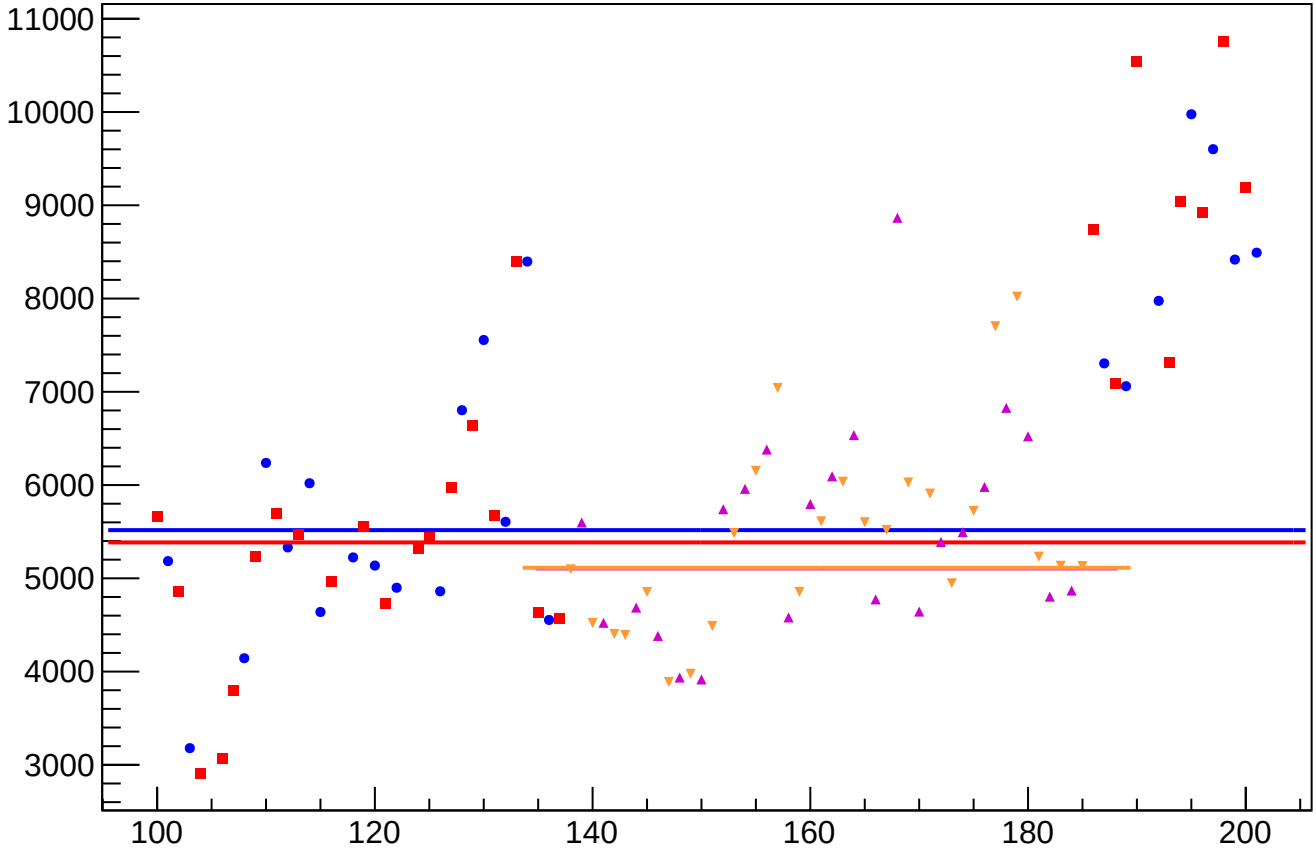
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 226.256+/-965.575 χ^2/NDF: 49.4/47

All: 598.634+/-682.262 χ^2/NDF: 90.5/97

- sign 969.915+/-964.153 χ^2/NDF: 40.8/49

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: 5385.175+/-1.116 χ^2/NDF: 3118202.0/26

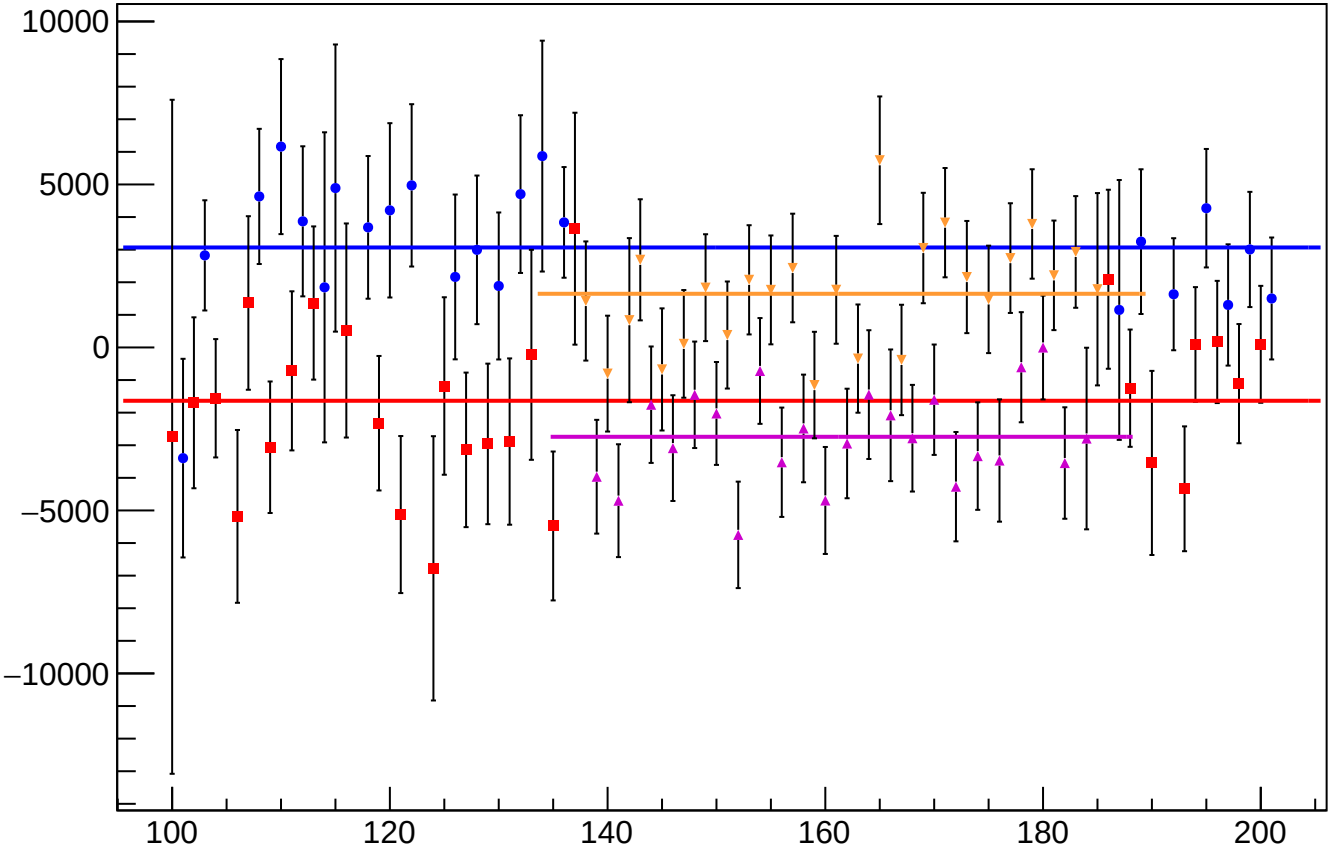
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5249.671+/-0.683 χ^2/NDF: 3627812.7/47

All: 5229.988+/-0.482 χ^2/NDF: 8038404.2/97

- sign 5210.362+/-0.682 χ^2/NDF: 4408931.7/49

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: -1635.756+/-449.269 χ^2/NDF: 23.0/26

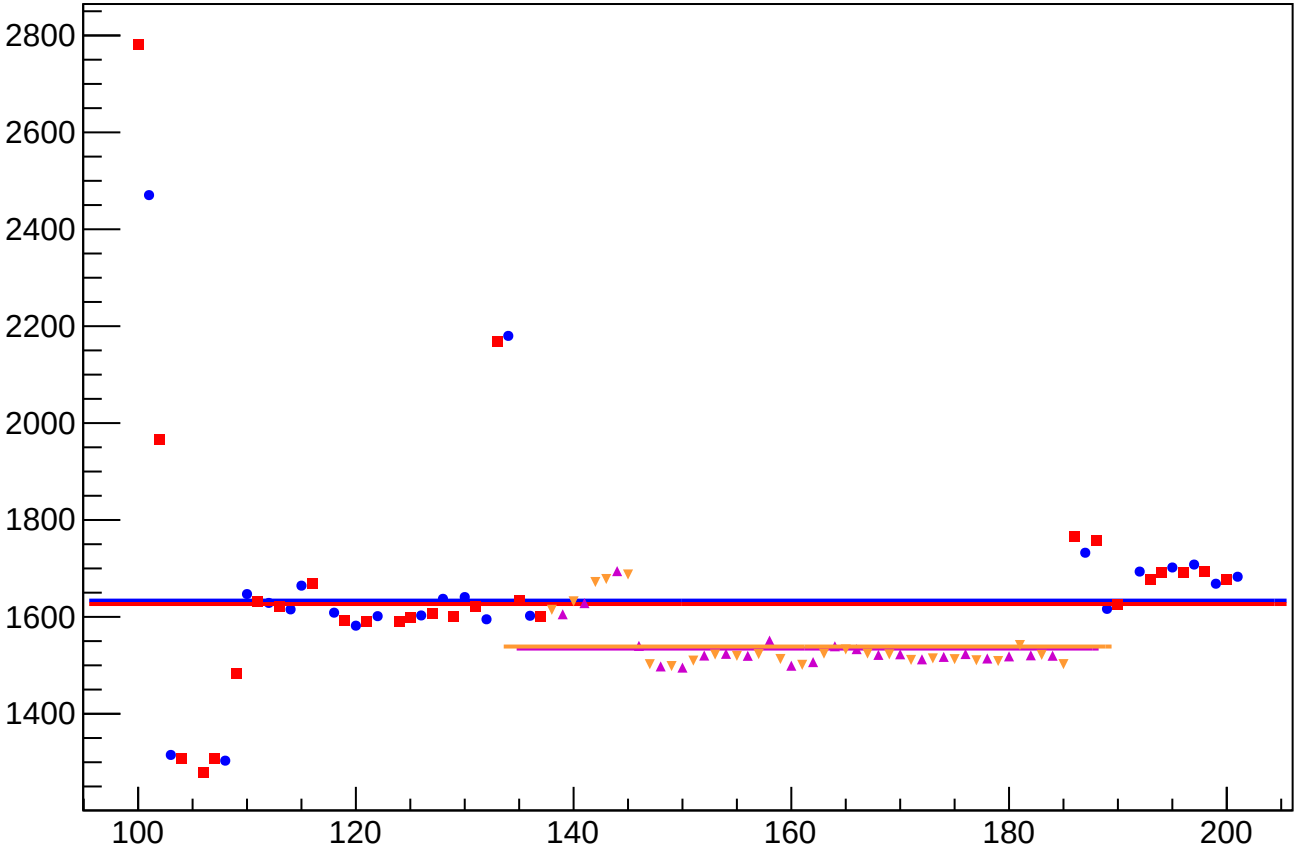
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2155.669+/-280.125 χ^2/NDF: 39.2/47

All: -77.057+/-198.105 χ^2/NDF: 209.5/97

- sign -2310.980+/-280.200 χ^2/NDF: 43.2/49

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

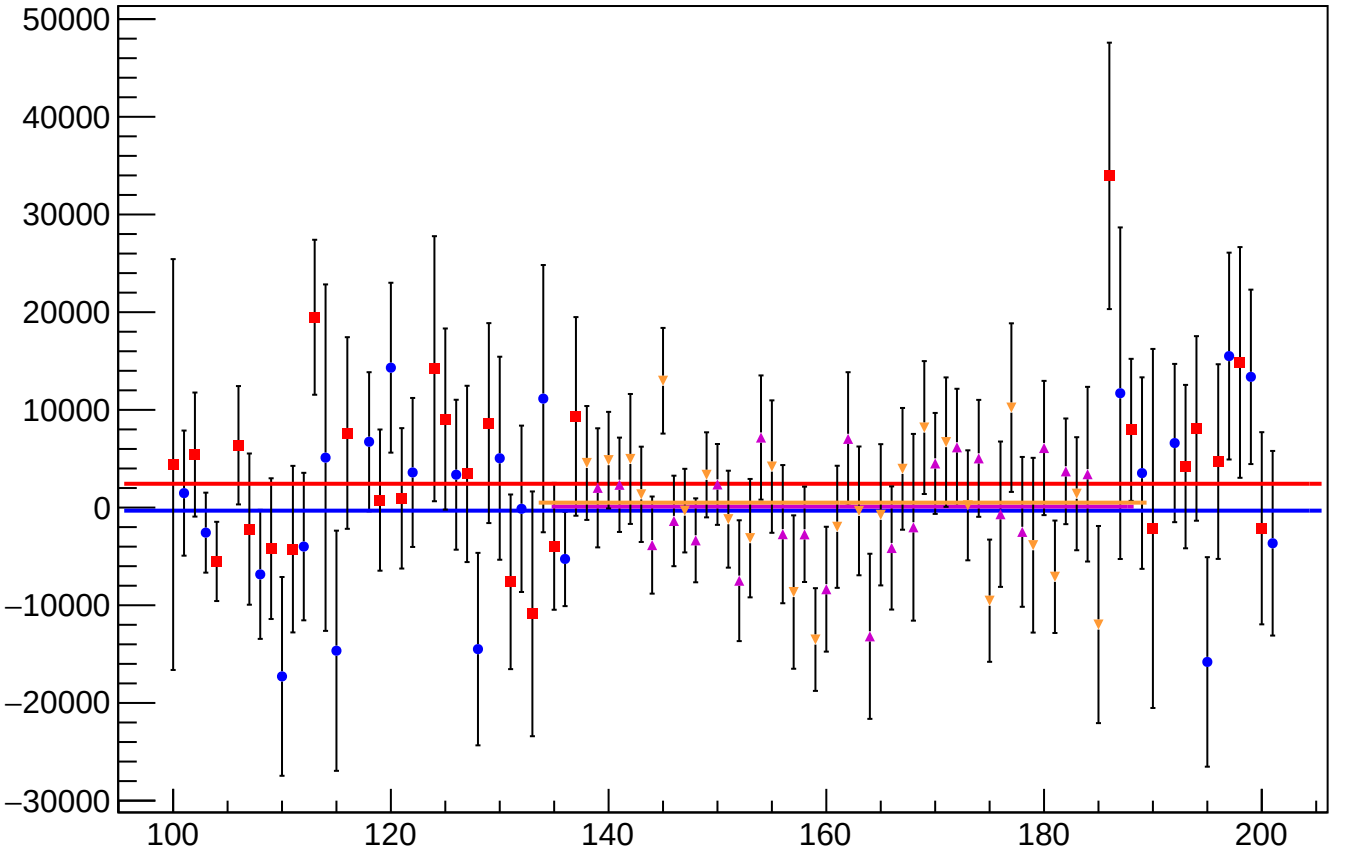
Right Out: 1626.559+/-0.317 χ^2/NDF: 284945.0/26

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1572.793+/-0.198 χ^2/NDF: 435028.7/47

All: 1571.636+/-0.140 χ^2/NDF: 802490.2/97

- sign 1570.480+/-0.198 χ^2/NDF: 367393.2/49



Right In: -315.924+/-1659.314 χ^2/NDF: 22.4/22

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

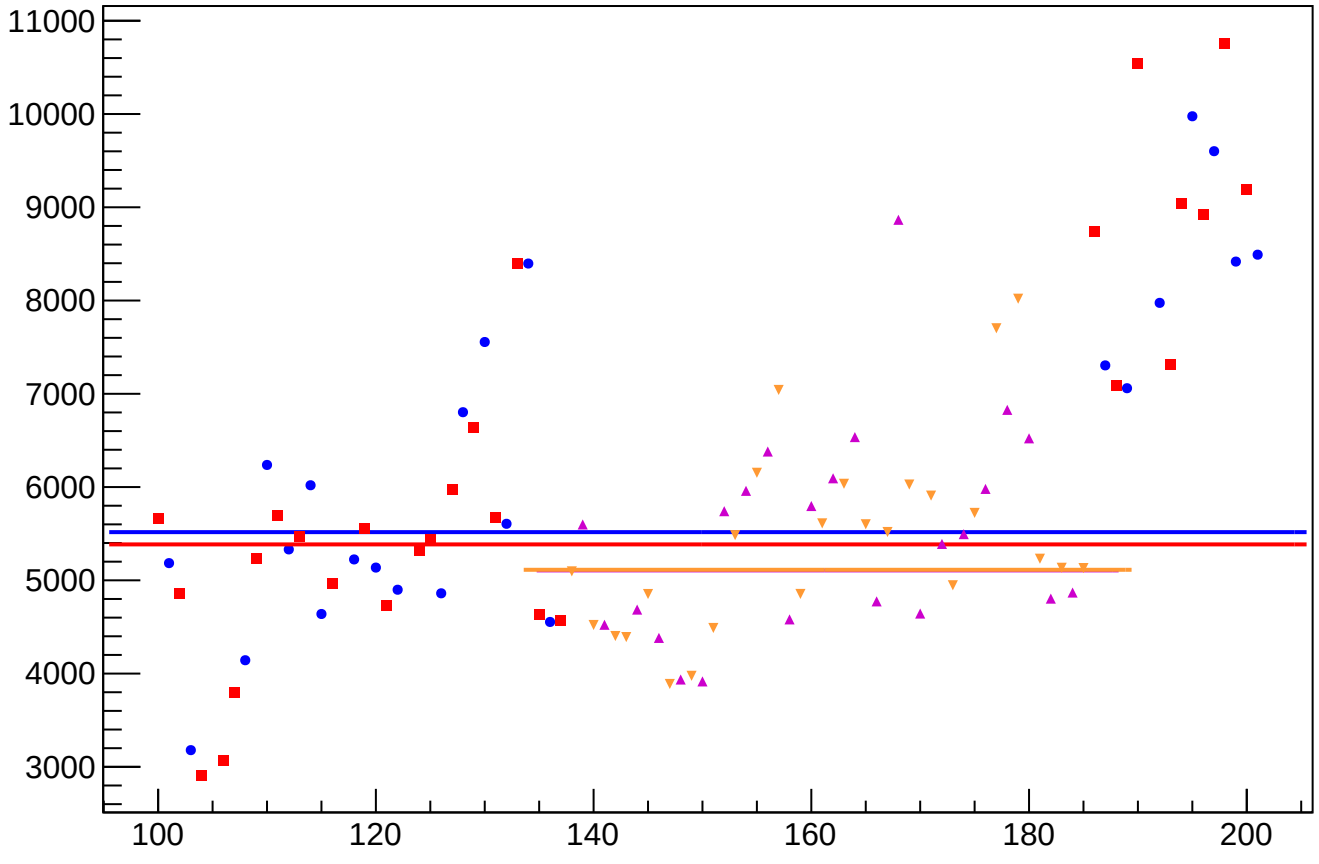
Right Out: 2435.930+/-1578.751 χ^2/NDF: 24.5/26

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 226.256+/-965.575 χ^2/NDF: 49.4/47

All: 598.634+/-682.262 χ^2/NDF: 90.5/97

- sign 969.915+/-964.153 χ^2/NDF: 40.8/49



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: 5385.175+/-1.116 χ^2/NDF: 3118202.0/26

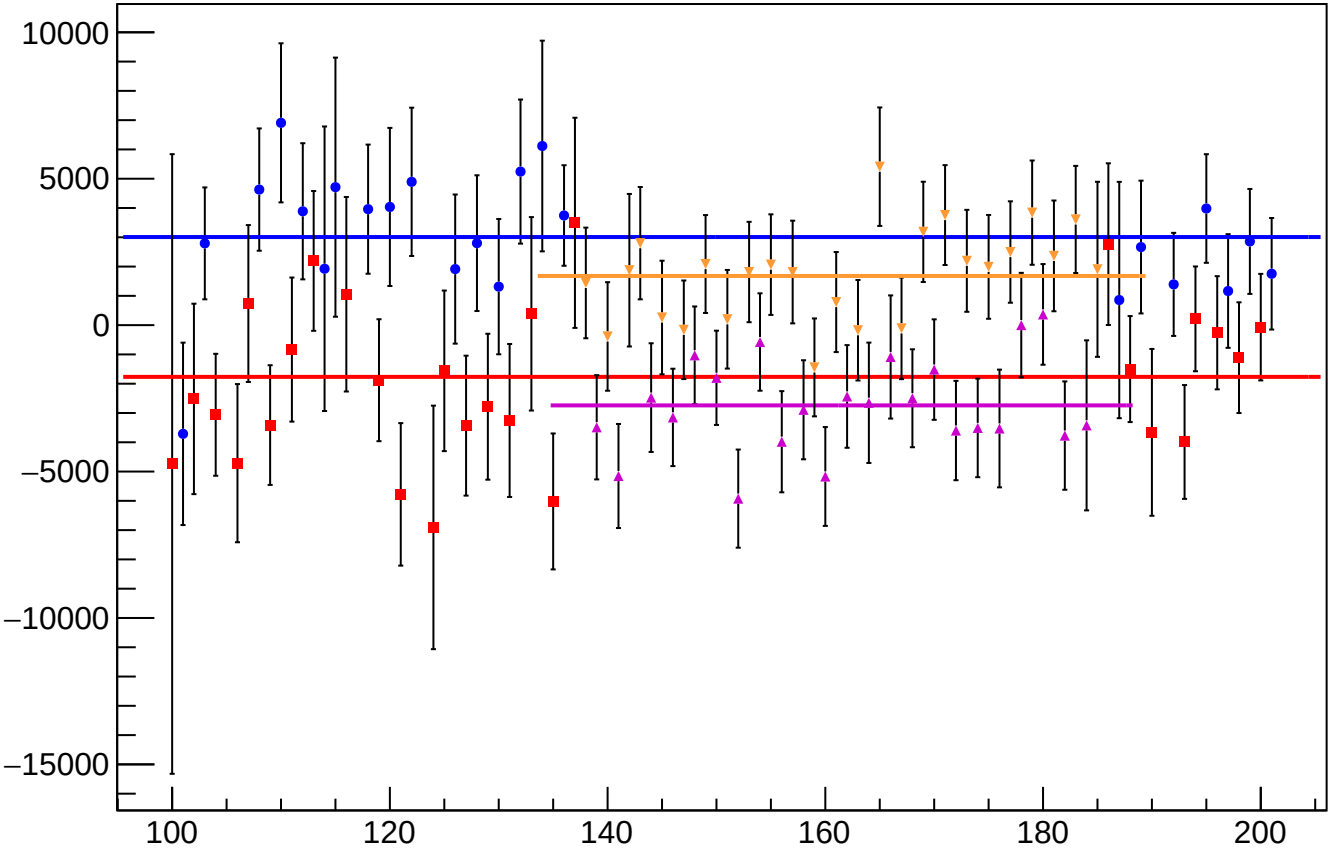
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5249.671+/-0.683 χ^2/NDF: 3627812.7/47

All: 5229.988+/-0.482 χ^2/NDF: 8038404.2/97

- sign 5210.362+/-0.682 χ^2/NDF: 4408931.7/49

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: -1766.569+/-461.458 χ^2/NDF: 25.3/26

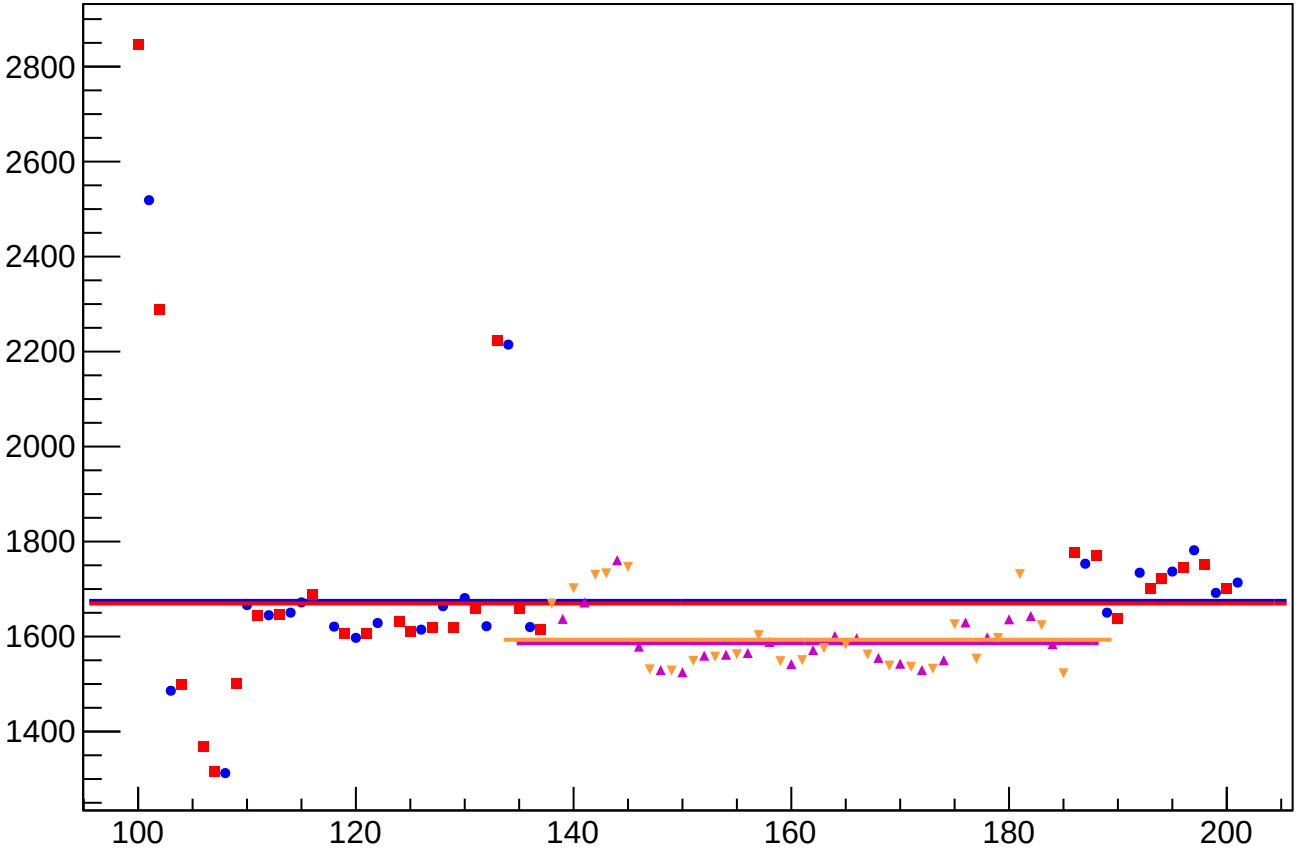
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2162.410+/-289.087 χ^2/NDF: 37.7/47

All: -99.199+/-204.368 χ^2/NDF: 207.2/97

- sign -2358.728+/-288.954 χ^2/NDF: 47.2/49

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: 1669.555+/-0.326 χ^2/NDF: 266727.0/26

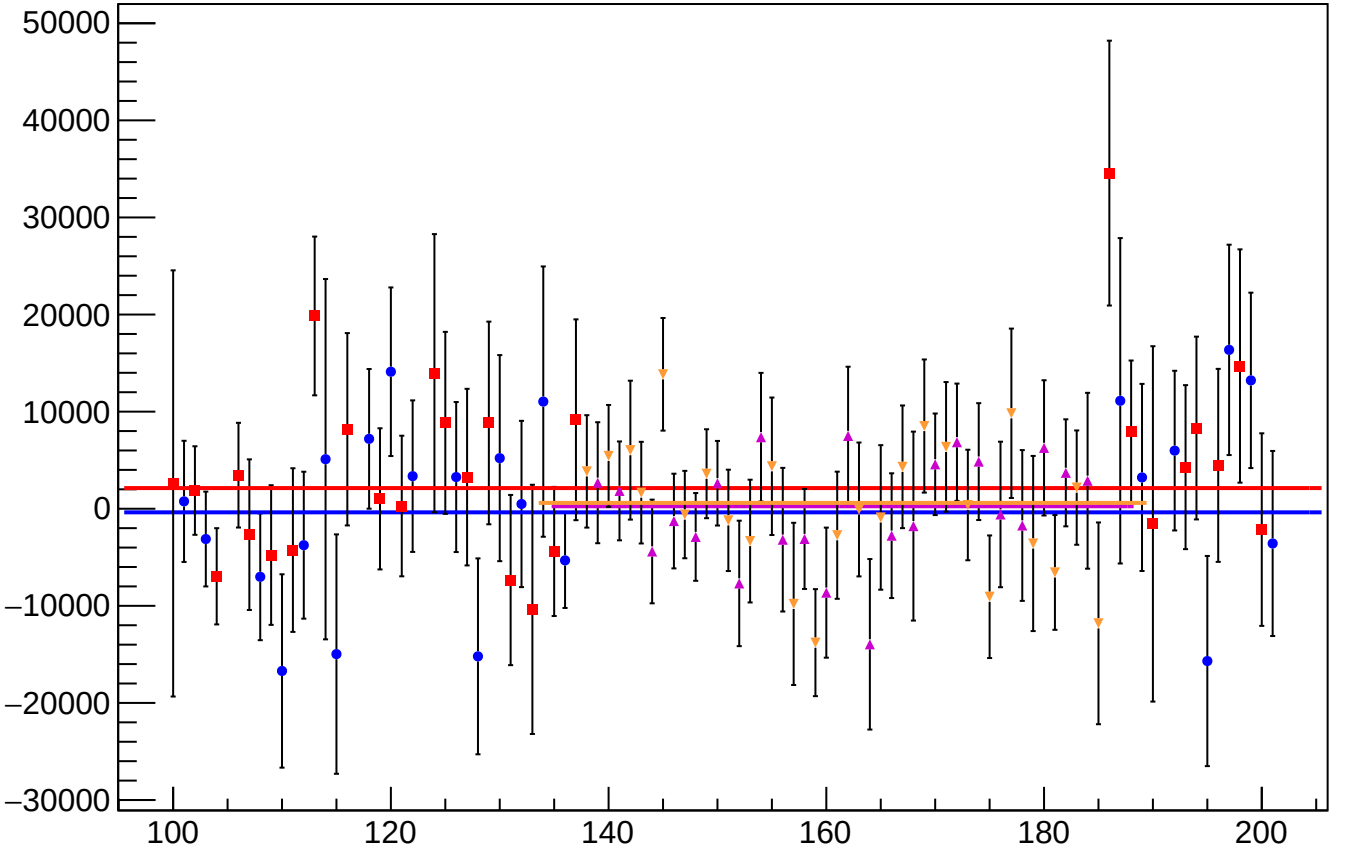
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1623.103+/-0.204 χ^2/NDF: 401206.7/47

All: 1620.916+/-0.144 χ^2/NDF: 750041.1/97

- sign 1618.732+/-0.204 χ^2/NDF: 348605.6/49

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: 2127.150+/-1568.231 χ^2/NDF: 23.8/26

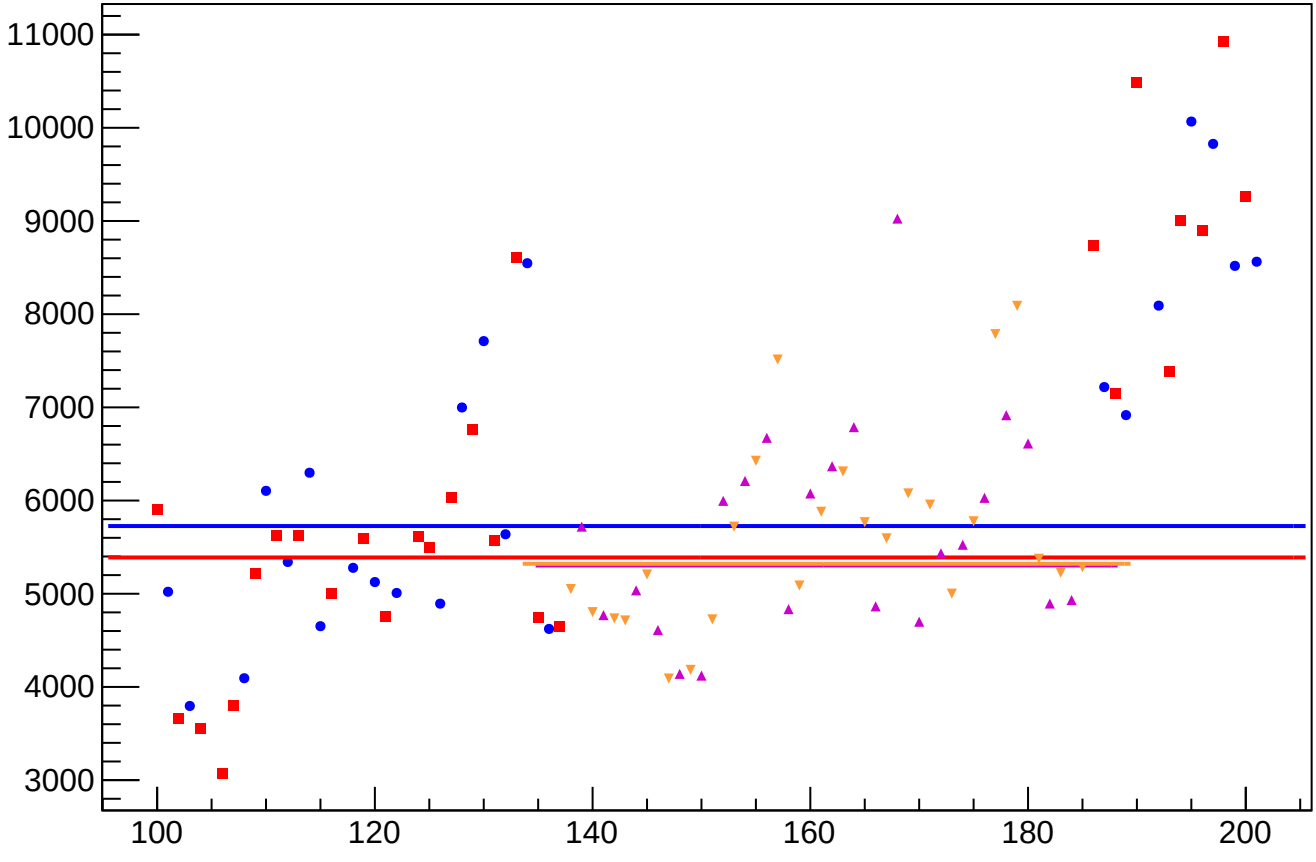
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 268.283+/-1000.174 χ^2/NDF: 48.5/47

All: 636.149+/-701.250 χ^2/NDF: 88.0/97

\- sign 991.831+/-983.472 χ^2/NDF: 39.3/49

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: 5389.312+/-1.109 χ^2/NDF: 3016281.9/26

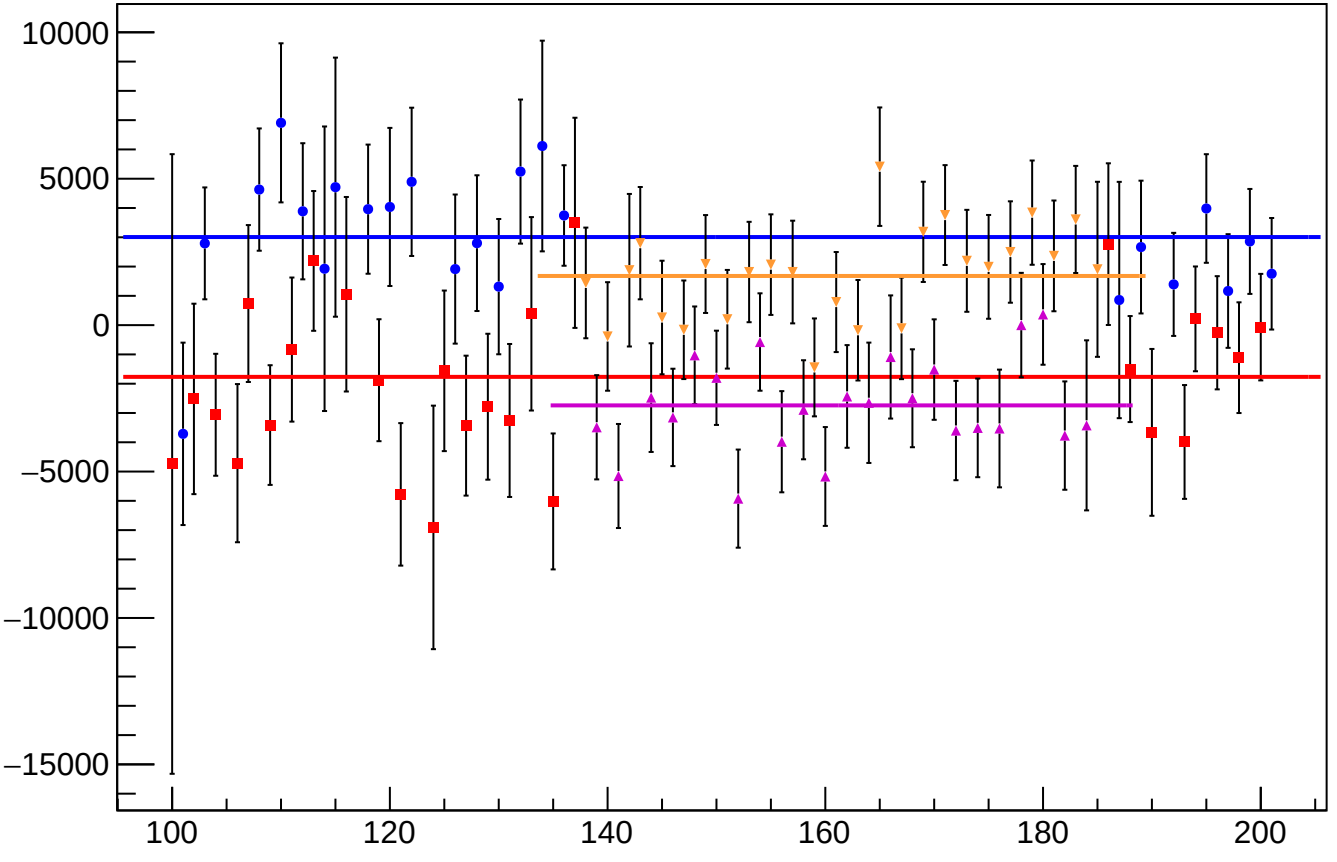
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5460.530+/-0.707 χ^2/NDF: 3130613.8/47

All: 5397.650+/-0.496 χ^2/NDF: 7318508.3/97

- sign 5336.854+/-0.695 χ^2/NDF: 4172346.5/49

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: -1766.572+/-461.458 χ^2/NDF: 25.3/26

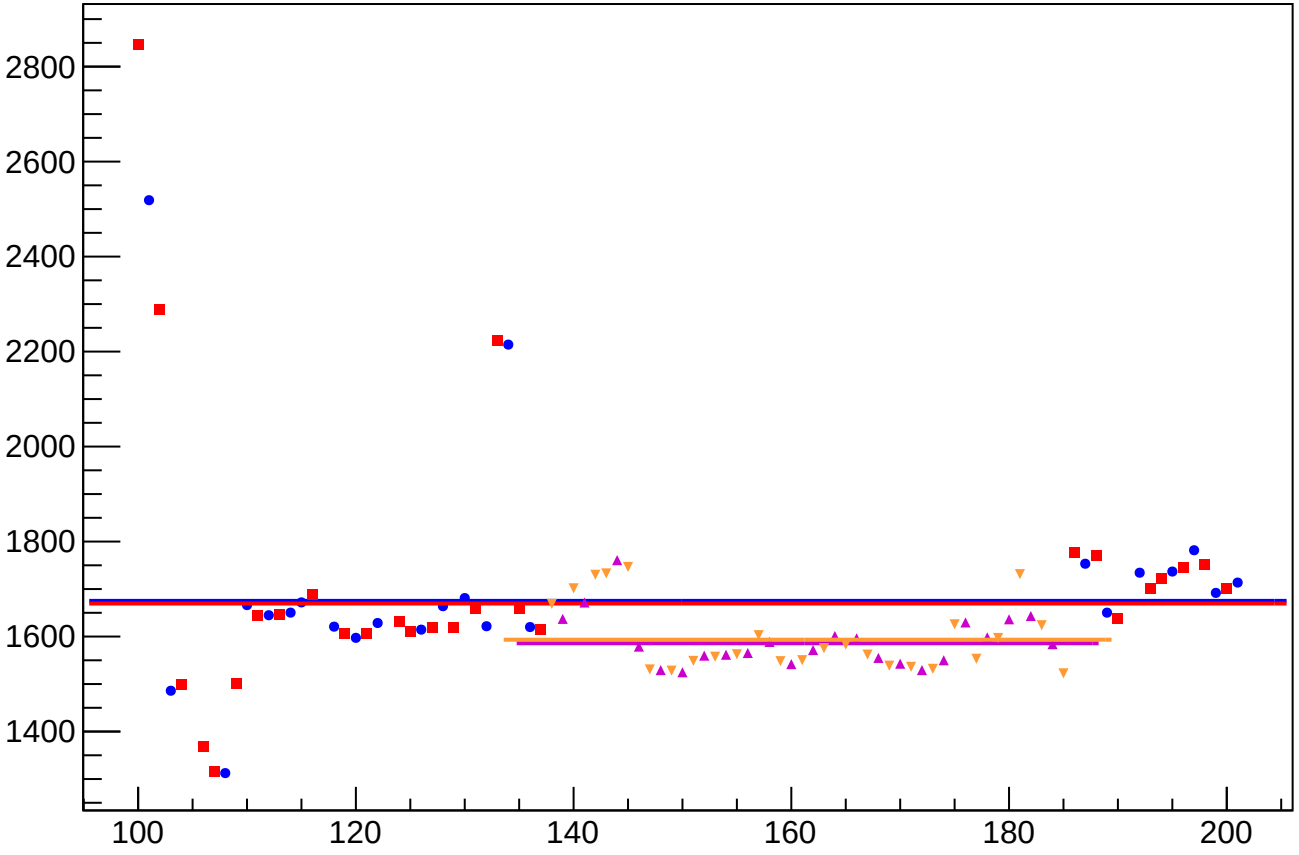
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2162.407+/-289.087 χ^2/NDF: 37.7/47

All: -99.201+/-204.368 χ^2/NDF: 207.2/97

- sign -2358.728+/-288.954 χ^2/NDF: 47.2/49

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

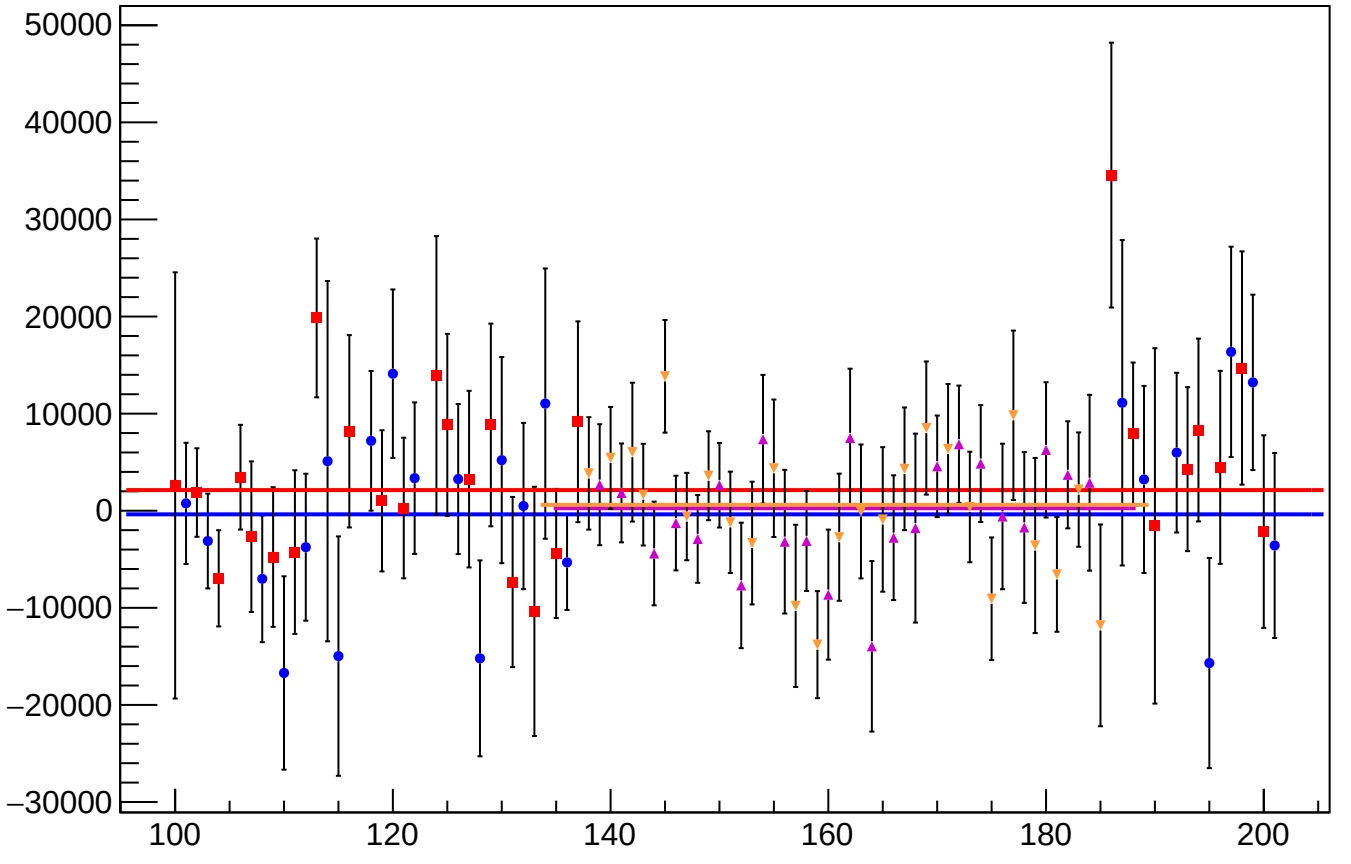
Right Out: 1669.555+/-0.326 χ^2/NDF: 266726.9/26

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1623.104+/-0.204 χ^2/NDF: 401205.6/47

All: 1620.917+/-0.144 χ^2/NDF: 750038.7/97

- sign 1618.732+/-0.204 χ^2/NDF: 348604.3/49



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: 2127.147+/-1568.229 χ^2/NDF: 23.8/26

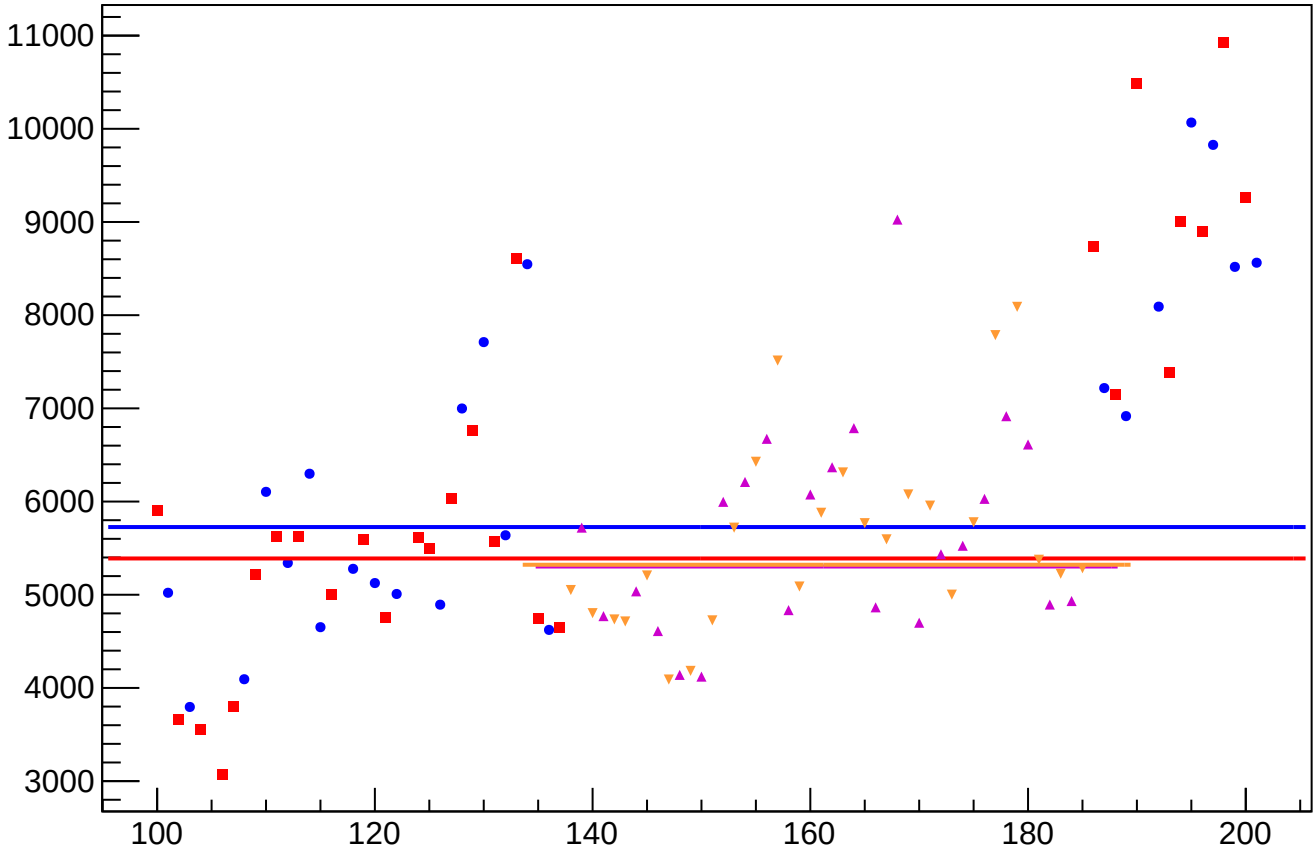
Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 268.283+/-1000.175 χ^2/NDF: 48.5/47

All: 636.151+/-701.251 χ^2/NDF: 88.0/97

\- sign 991.834+/-983.472 χ^2/NDF: 39.3/49

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

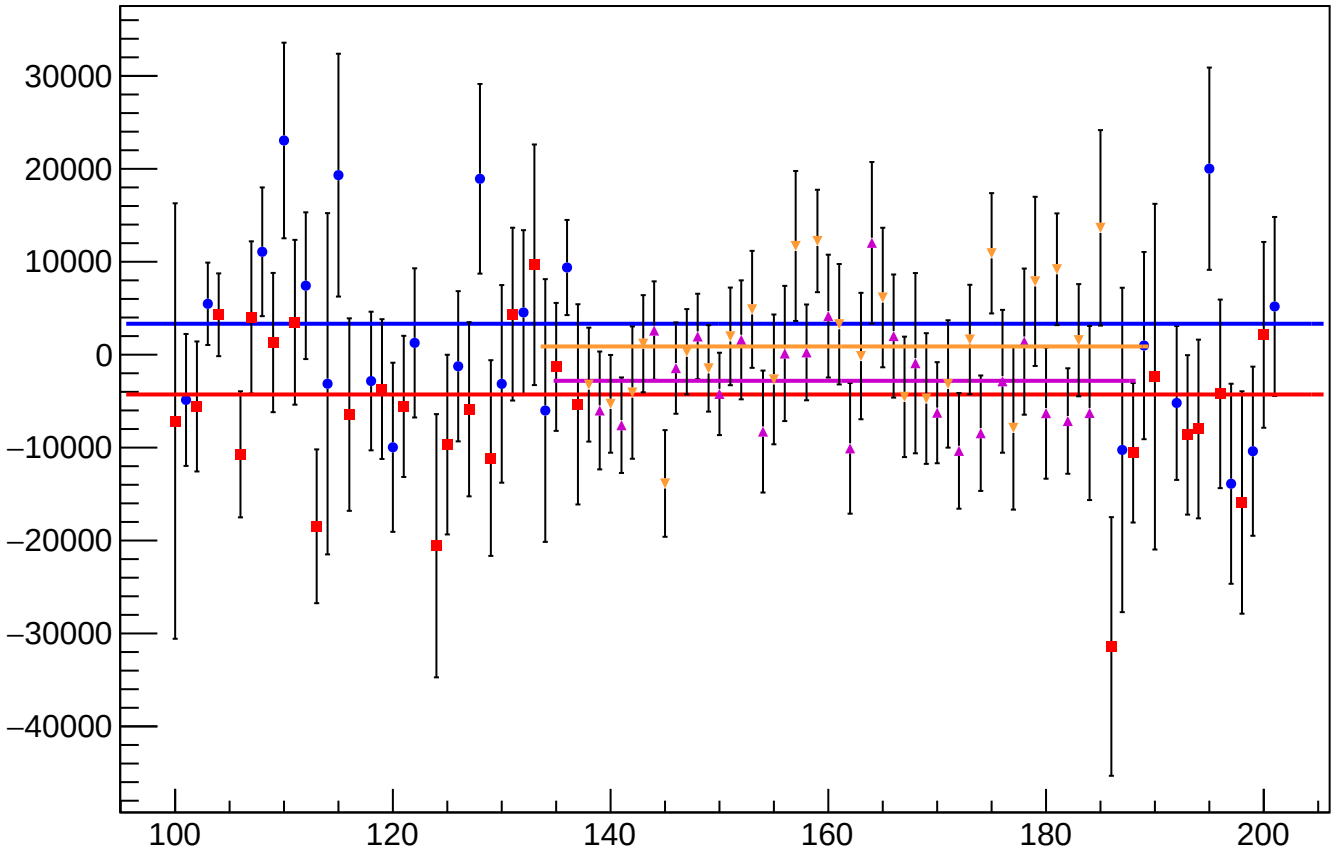
Right Out: 5389.305+/-1.109 χ^2/NDF: 3016287.3/26

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5460.534+/-0.707 χ^2/NDF: 3130616.6/47

All: 5397.654+/-0.496 χ^2/NDF: 7318519.5/97

- sign 5336.856+/-0.695 χ^2/NDF: 4172354.6/49



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: -4281.986+/-1669.032 χ^2/NDF: 20.6/26

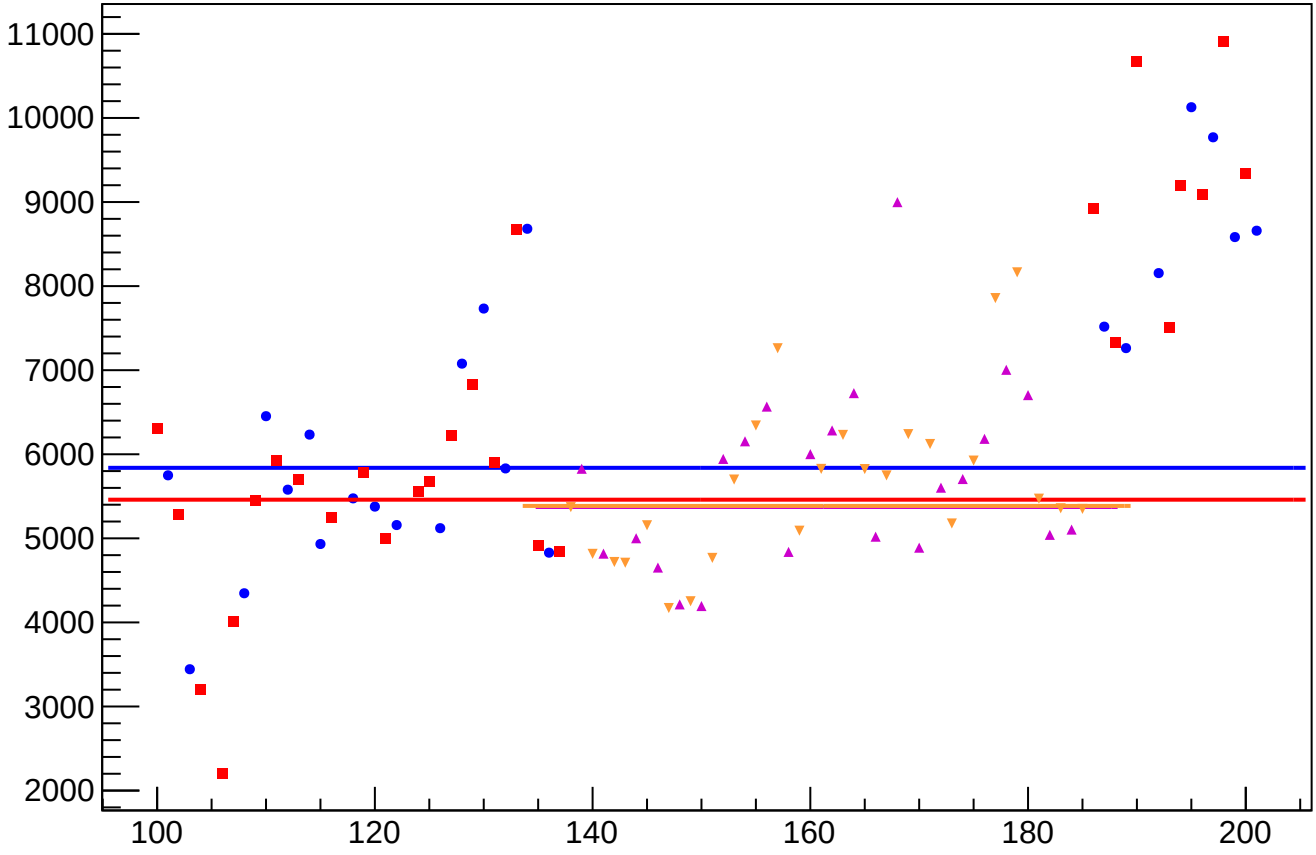
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1710.904+/-1014.334 χ^2/NDF: 51.9/47

All: -821.657+/-717.233 χ^2/NDF: 100.1/97

- sign -3354.086+/-1014.308 χ^2/NDF: 35.8/49

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

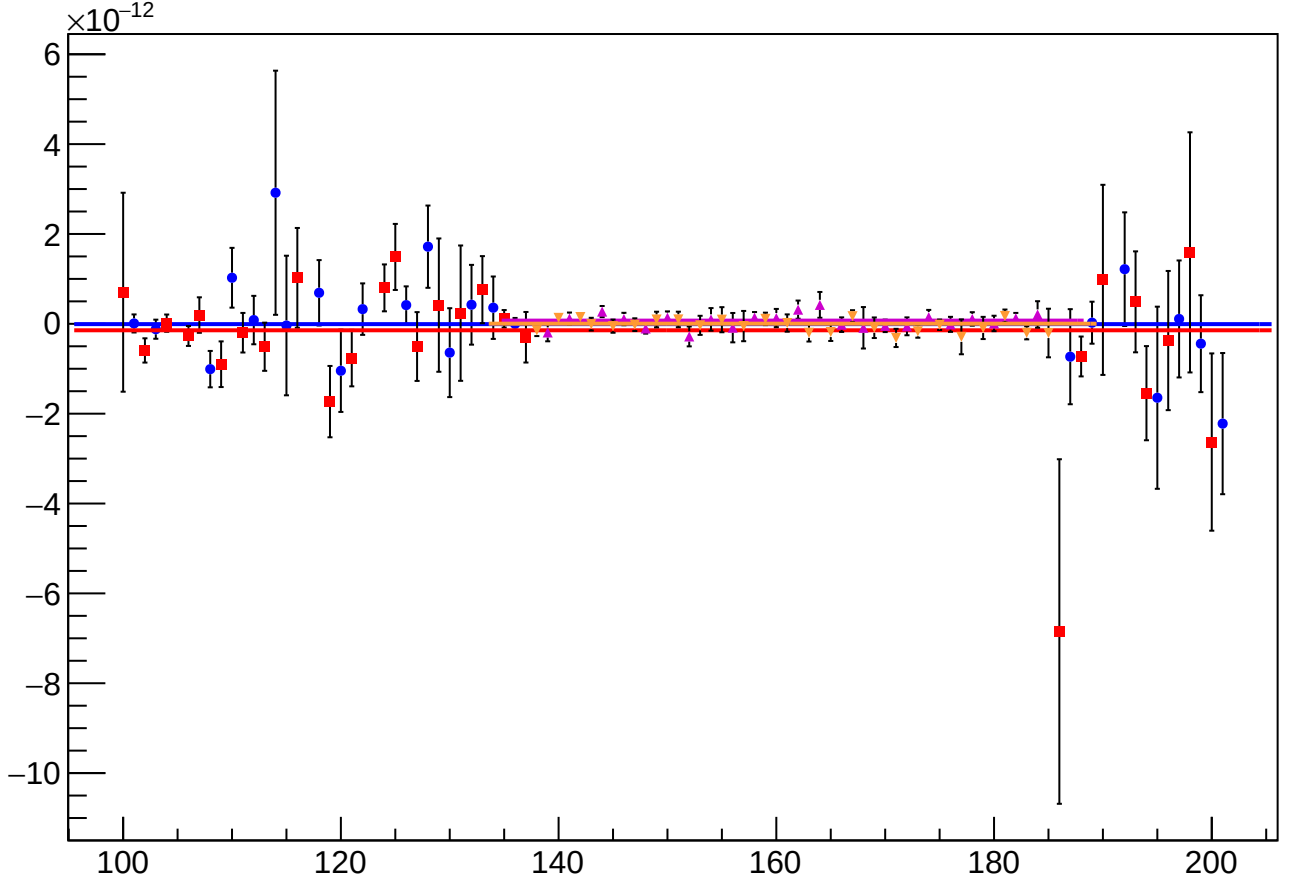
Right Out: 5459.699+/-1.144 χ^2/NDF: 3536305.3/26

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5538.711+/-0.717 χ^2/NDF: 3210266.7/47

All: 5471.680+/-0.504 χ^2/NDF: 7839207.8/97

- sign 5406.198+/-0.709 χ^2/NDF: 4611674.9/49



Right In: -0.000+/-0.000 χ^2/NDF: 22.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

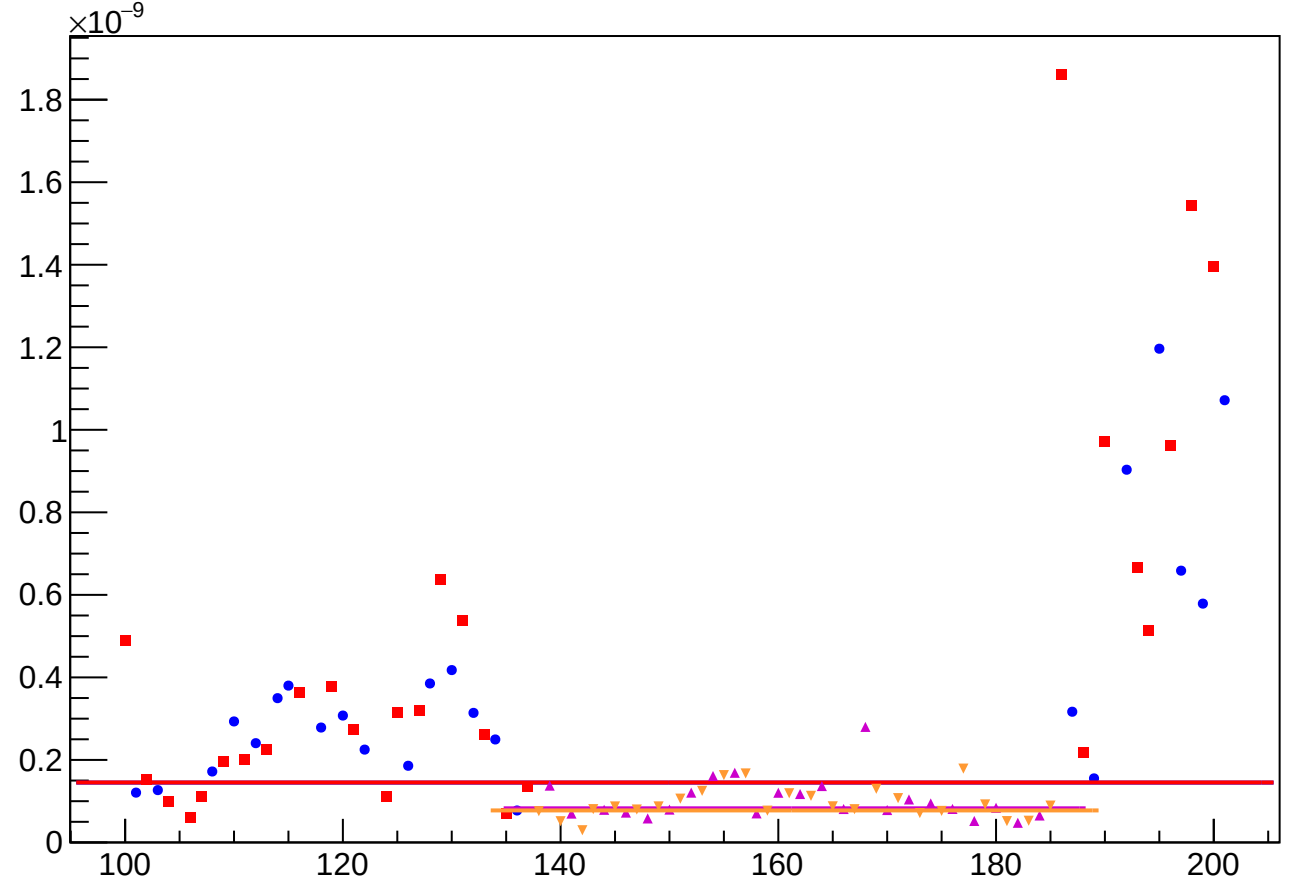
Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/26

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: 97.1/97

- sign 0.000+/-0.000 χ^2/NDF: 55.7/49



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: 5162537.8/26

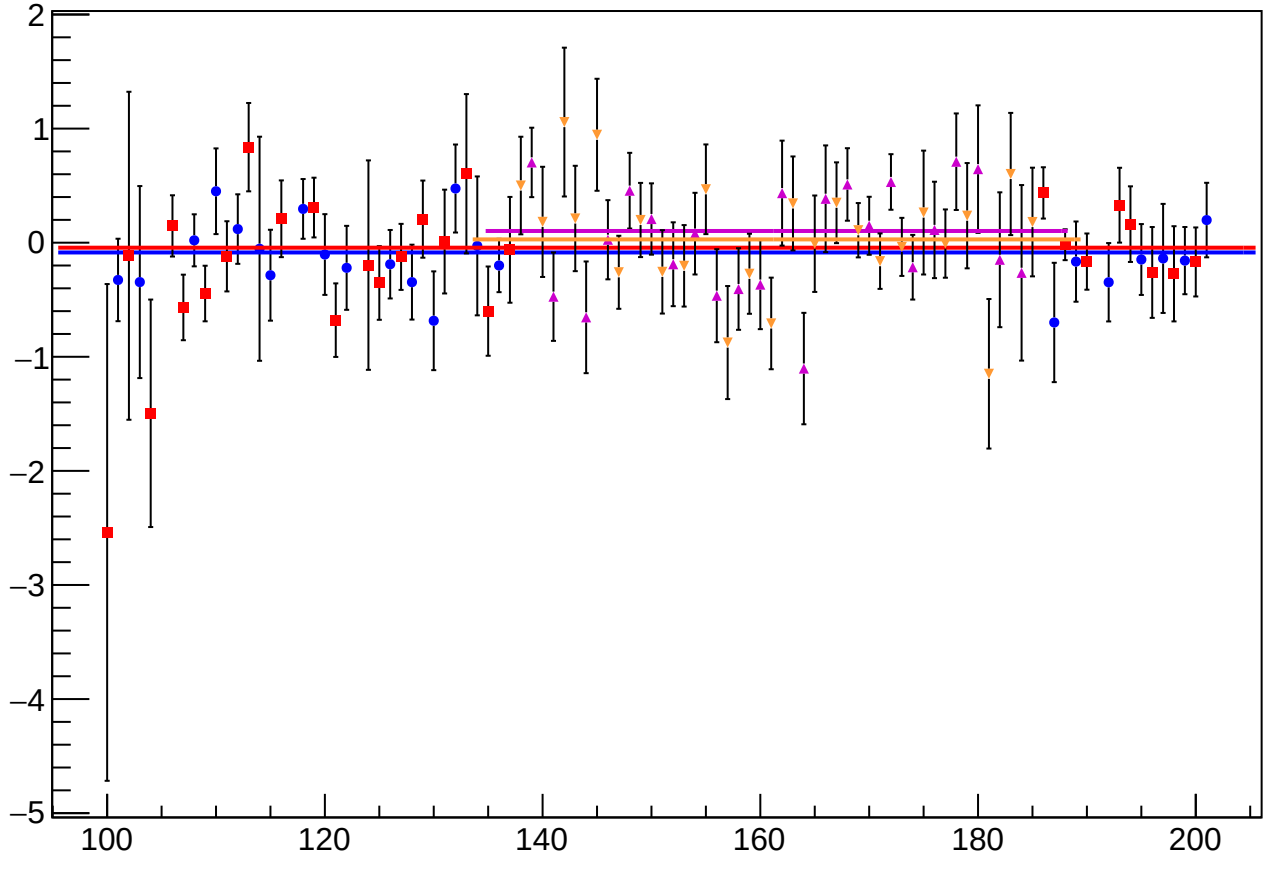
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6798966.9/47

All: 0.000+/-0.000 χ^2/NDF: 14440968.7/97

- sign 0.000+/-0.000 χ^2/NDF: 7614864.6/49

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

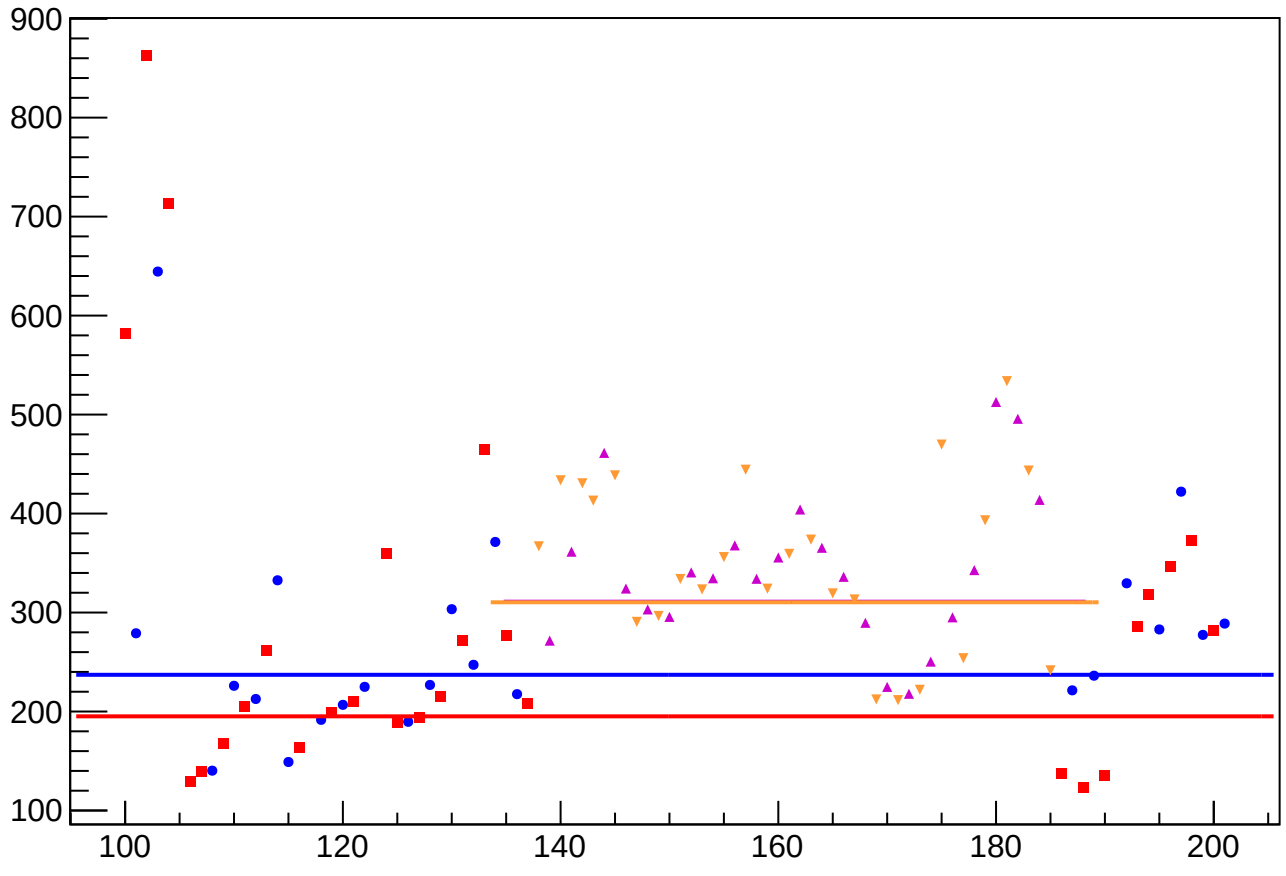
Right Out: -0.044+/-0.060 χ^2/NDF: 33.2/26

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.052 χ^2/NDF: 40.2/47

All: -0.007+/-0.035 χ^2/NDF: 108.4/97

- sign 0.012+/-0.047 χ^2/NDF: 67.8/49



Right In: 237.098+/-0.051 χ^2/NDF: 1853926.5/22

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

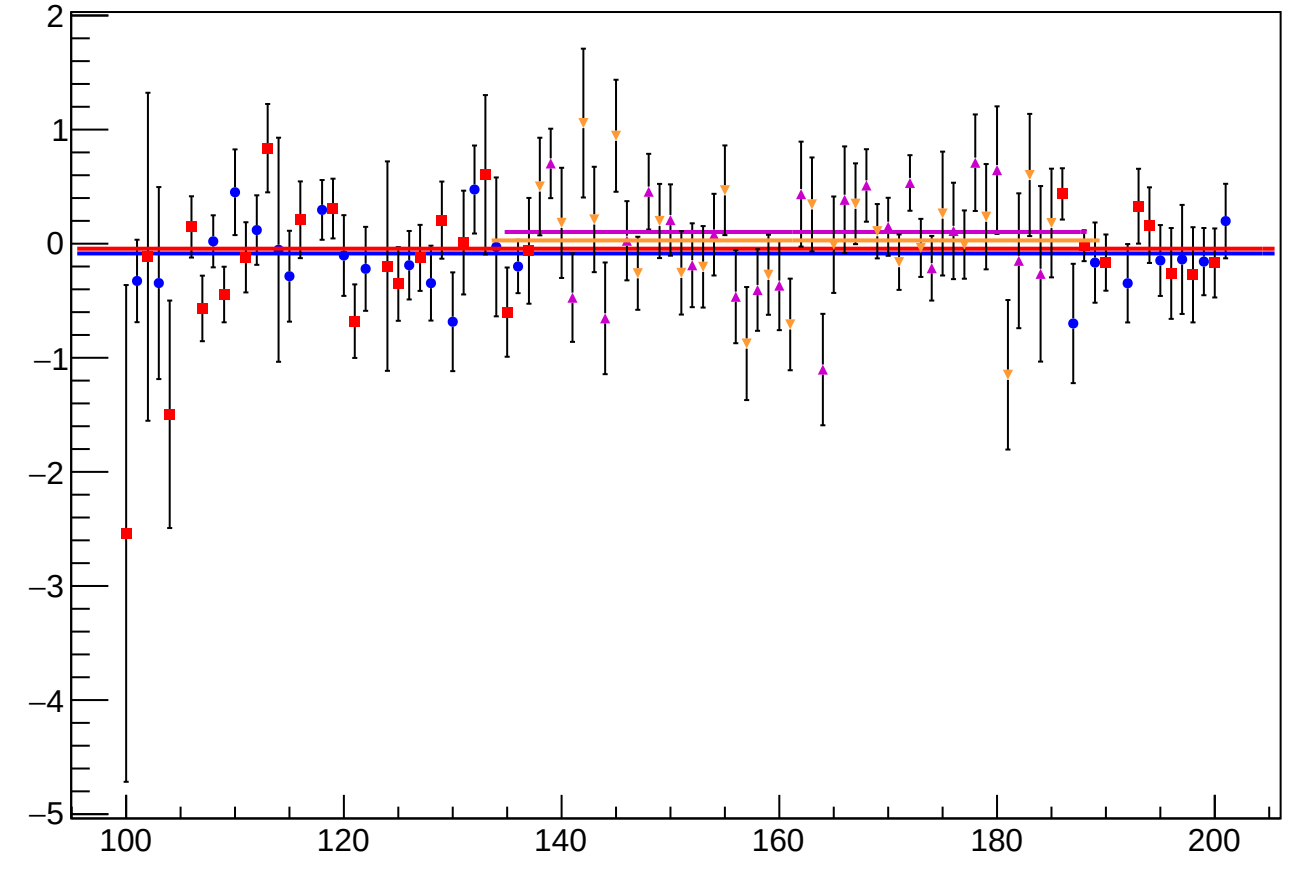
Right Out: 195.133+/-0.043 χ^2/NDF: 3919835.4/26

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 272.410+/-0.037 χ^2/NDF: 5214351.0/47

All: 254.437+/-0.025 χ^2/NDF: 14020168.4/97

- sign 239.531+/-0.033 χ^2/NDF: 8366006.2/49



Right In: -0.086+/-0.072 χ^2/NDF: 13.7/22

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

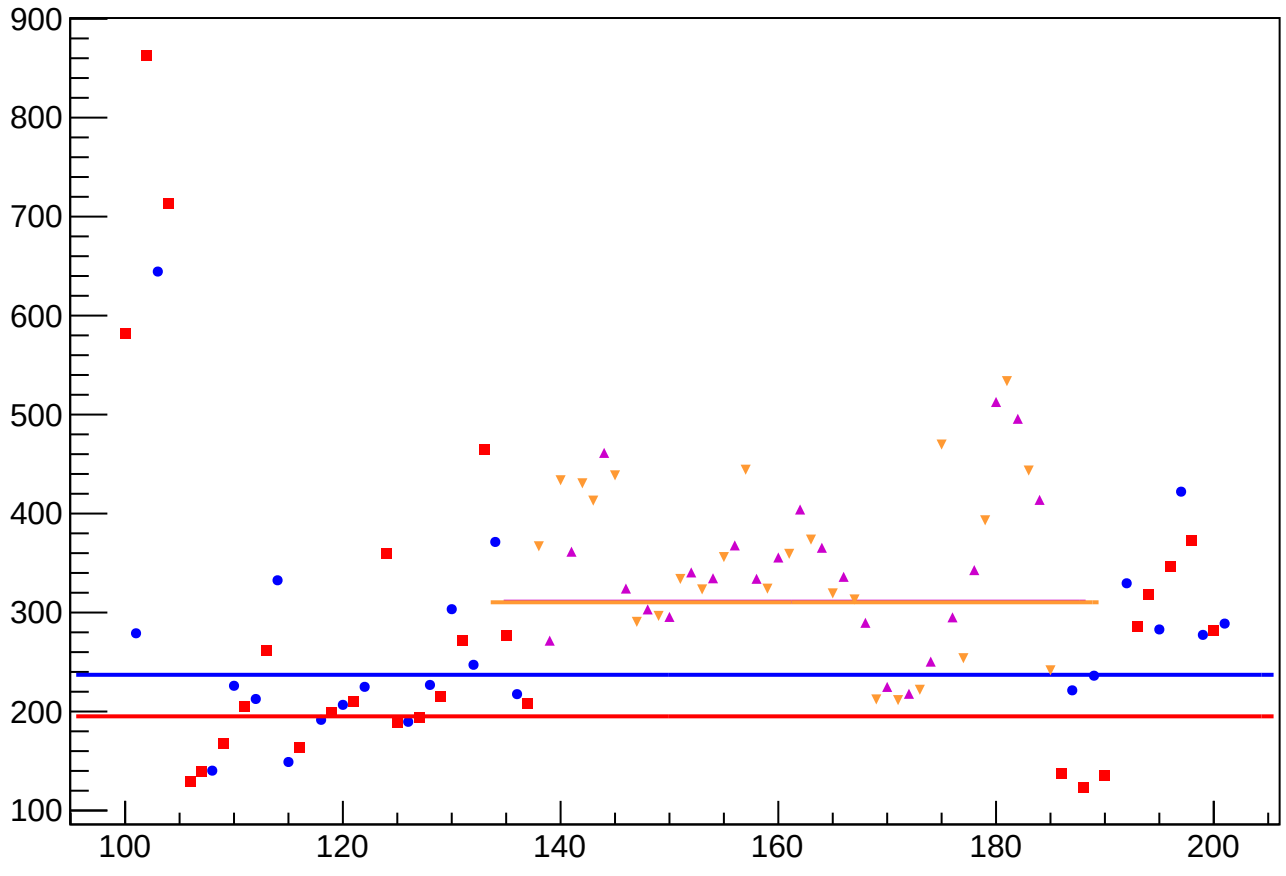
Right Out: -0.044+/-0.060 χ^2/NDF: 33.2/26

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.052 χ^2/NDF: 40.2/47

All: -0.007+/-0.035 χ^2/NDF: 108.4/97

- sign 0.012+/-0.047 χ^2/NDF: 67.8/49



Right In: 237.098+/-0.051 χ^2/NDF: 1853926.5/22

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

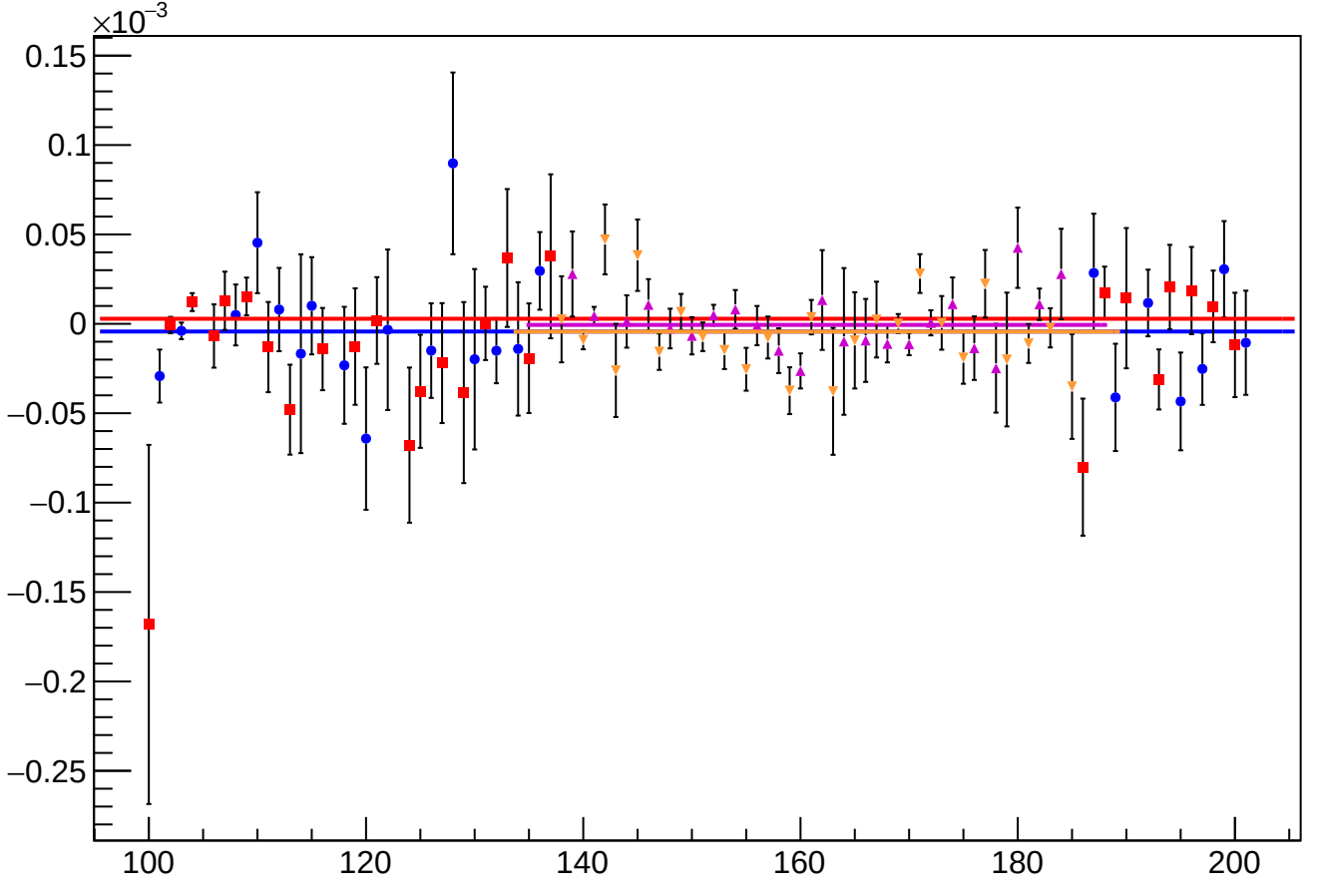
Right Out: 195.133+/-0.043 χ^2/NDF: 3919835.4/26

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 272.410+/-0.037 χ^2/NDF: 5214351.0/47

All: 254.437+/-0.025 χ^2/NDF: 14020168.4/97

- sign 239.531+/-0.033 χ^2/NDF: 8366006.2/49



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

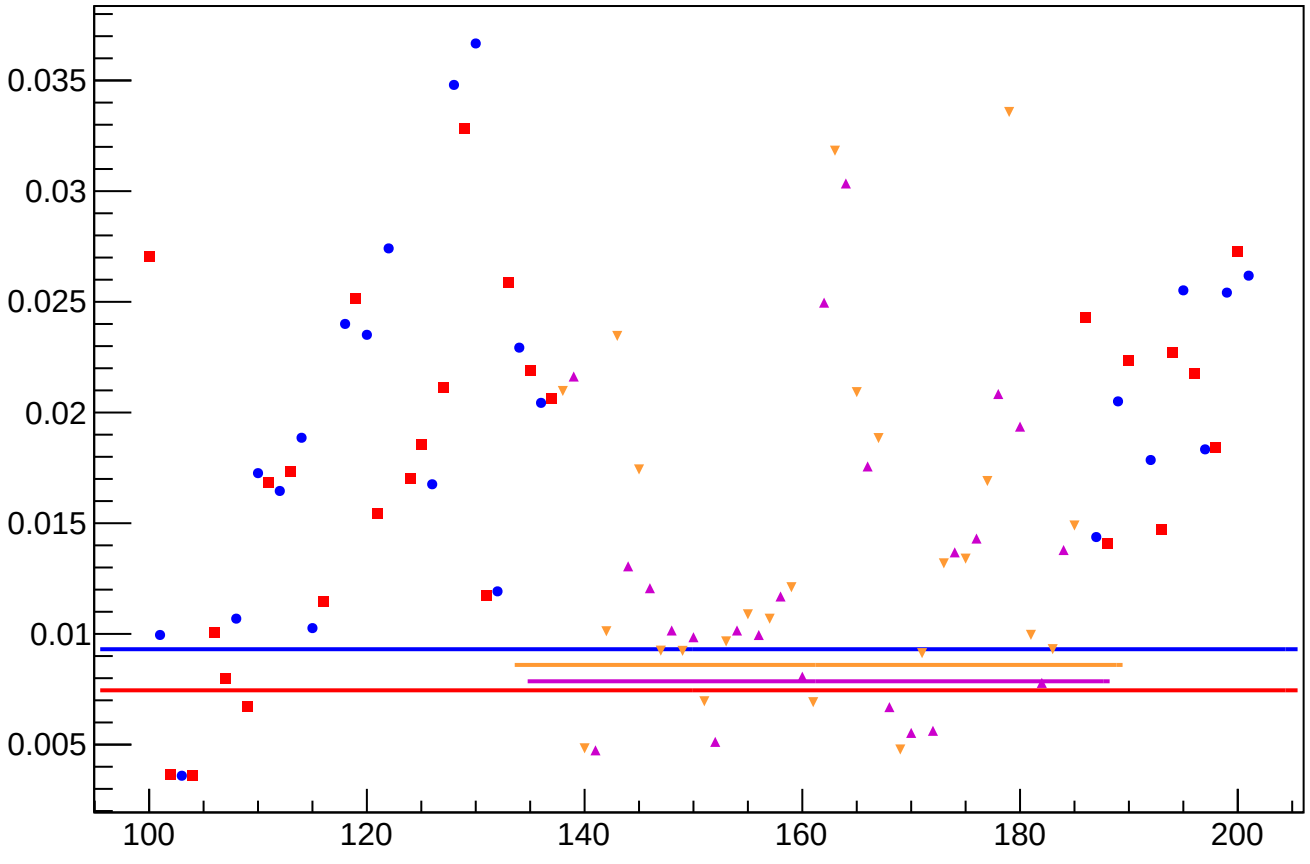
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/26

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: 130.7/97

- sign 0.000+/-0.000 χ^2/NDF: 60.4/49



Right In: 0.009+/-0.000 χ^2/NDF: 9781395.1/22

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

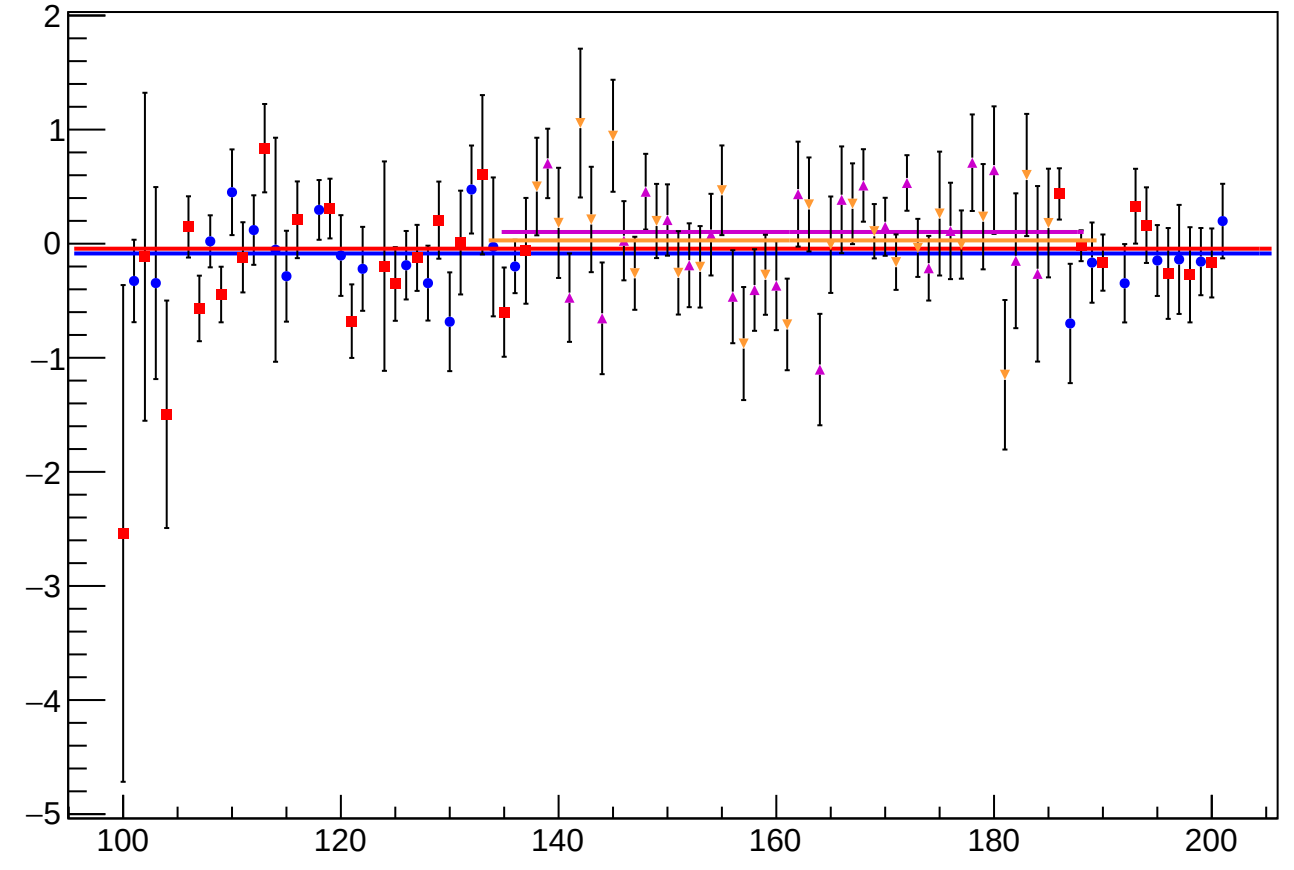
Right Out: 0.007+/-0.000 χ^2/NDF: 10970595.5/26

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: 35649434.7/97

- sign 0.008+/-0.000 χ^2/NDF: 17778168.3/49



Right In: -0.086+/-0.072 χ^2/NDF: 13.7/22

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

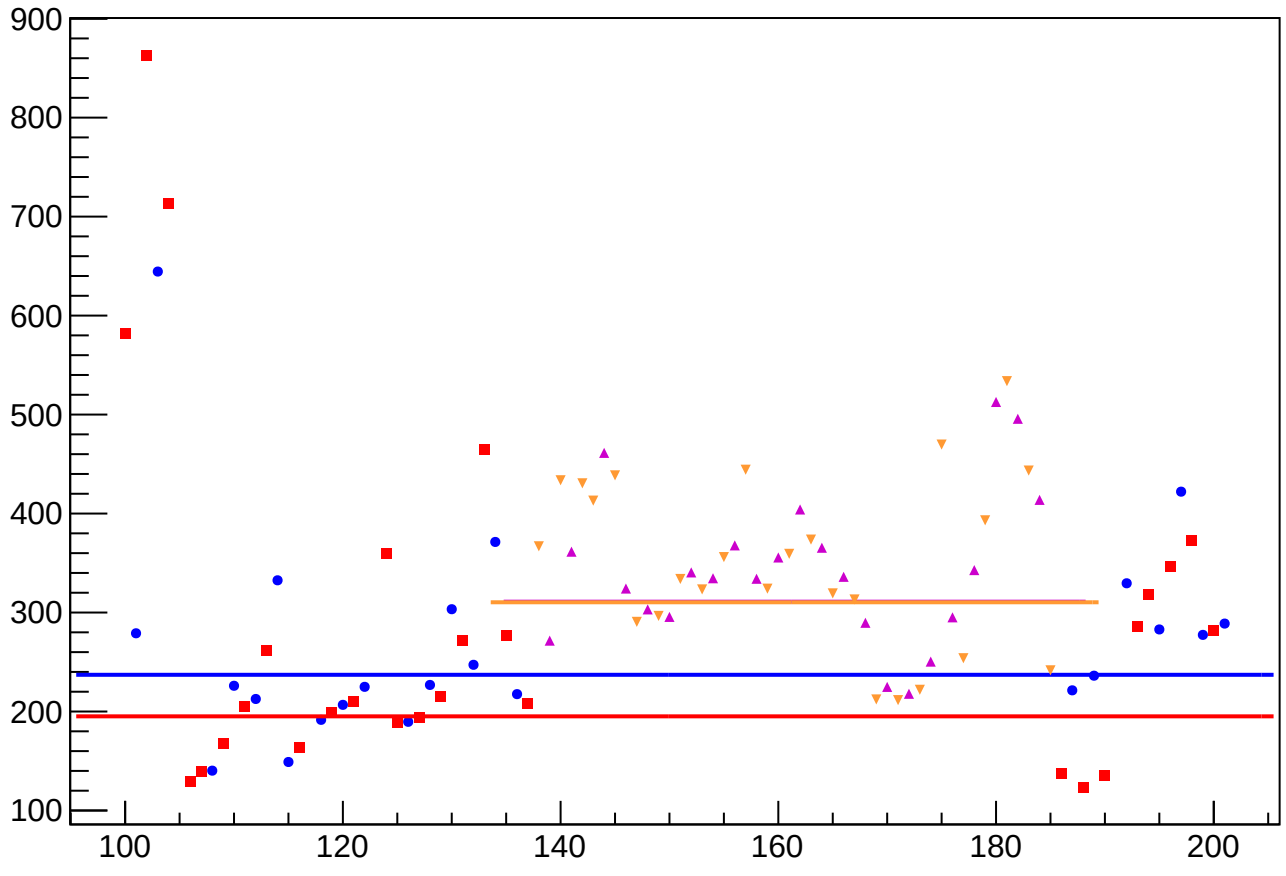
Right Out: -0.044+/-0.060 χ^2/NDF: 33.2/26

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.052 χ^2/NDF: 40.2/47

All: -0.007+/-0.035 χ^2/NDF: 108.4/97

- sign 0.012+/-0.047 χ^2/NDF: 67.8/49



Right In: 237.097+/-0.051 χ^2/NDF: 1853908.7/22

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

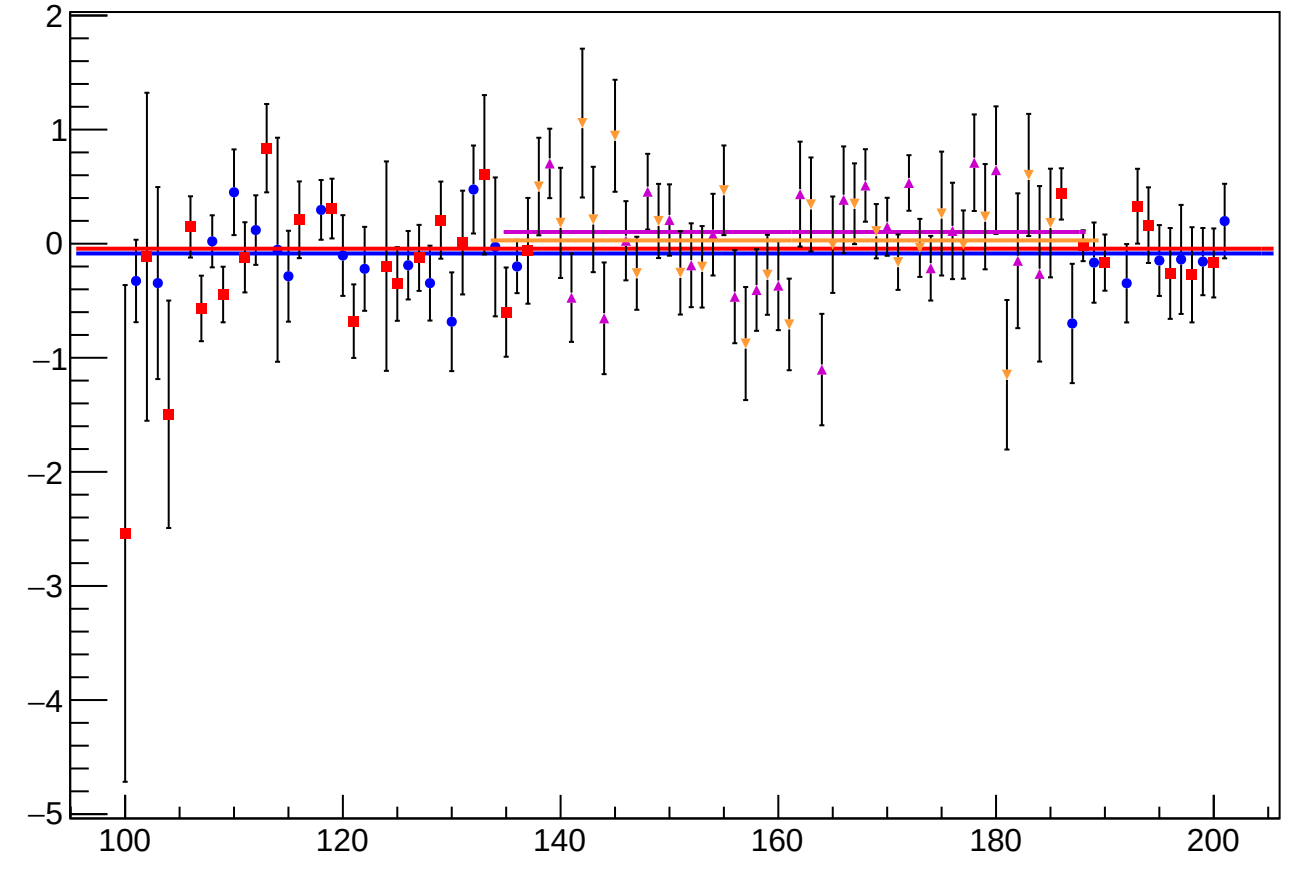
Right Out: 195.130+/-0.043 χ^2/NDF: 3919968.9/26

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 272.411+/-0.037 χ^2/NDF: 5214497.6/47

All: 254.436+/-0.025 χ^2/NDF: 14020822.0/97

- sign 239.529+/-0.033 χ^2/NDF: 8366455.3/49



Right In: -0.086+/-0.072 χ^2/NDF: 13.7/22

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

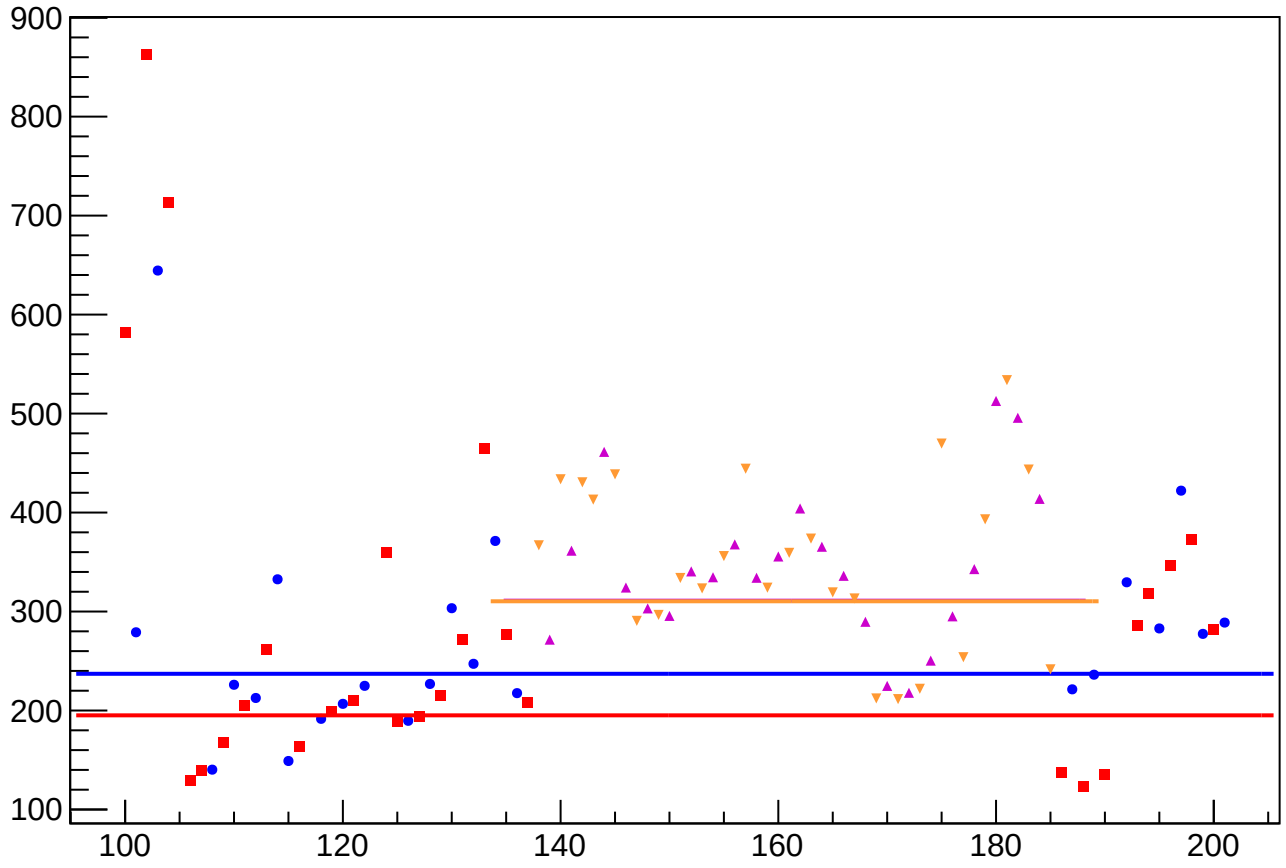
Right Out: -0.044+/-0.060 χ^2/NDF: 33.2/26

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.031+/-0.052 χ^2/NDF: 40.2/47

All: -0.007+/-0.035 χ^2/NDF: 108.4/97

- sign 0.012+/-0.047 χ^2/NDF: 67.8/49



Right In: 237.097+/-0.051 χ^2/NDF: 1853908.7/22

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

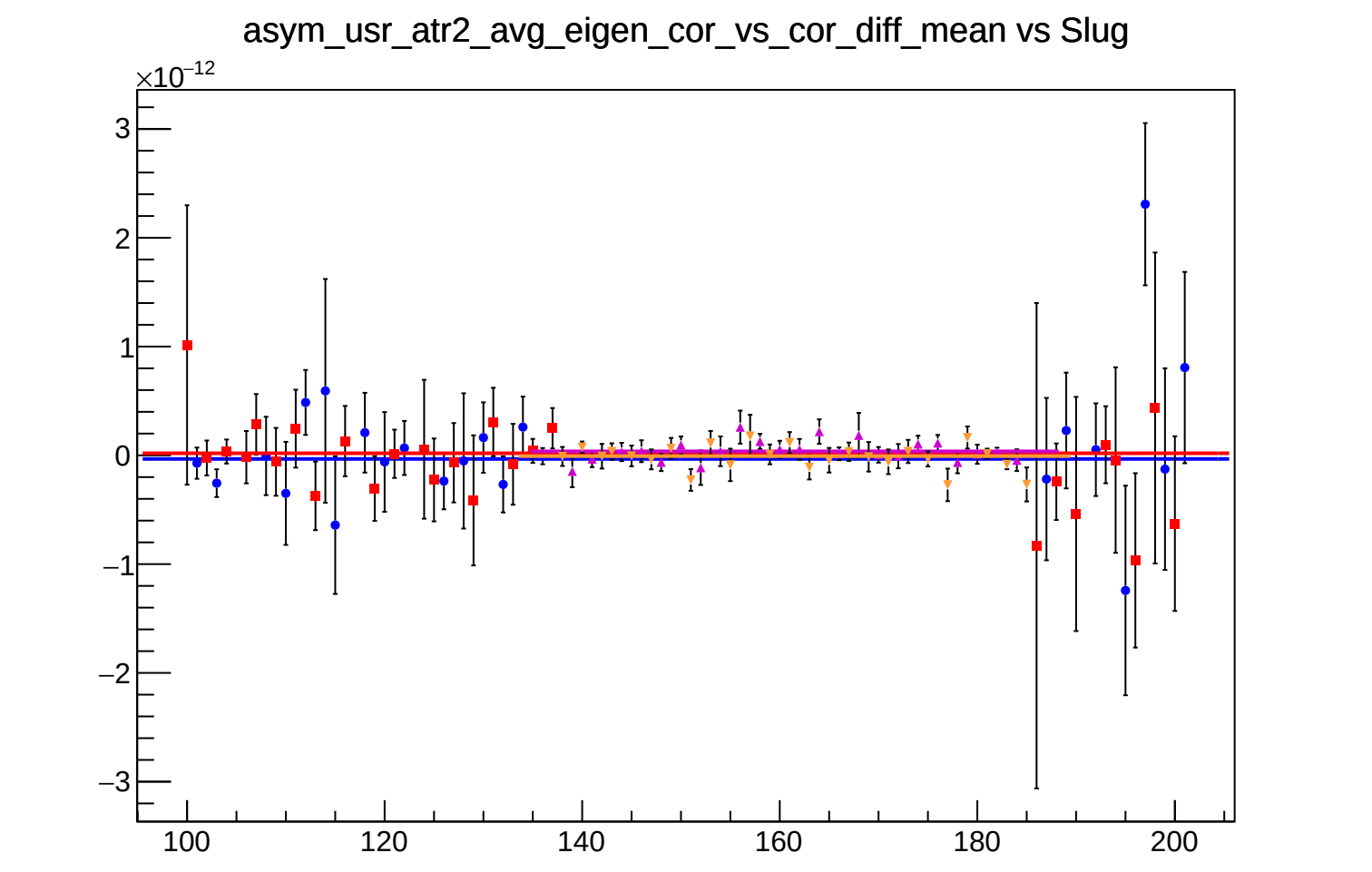
Right Out: 195.130+/-0.043 χ^2/NDF: 3919968.9/26

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 272.411+/-0.037 χ^2/NDF: 5214497.6/47

All: 254.436+/-0.025 χ^2/NDF: 14020822.0/97

- sign 239.529+/-0.033 χ^2/NDF: 8366455.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

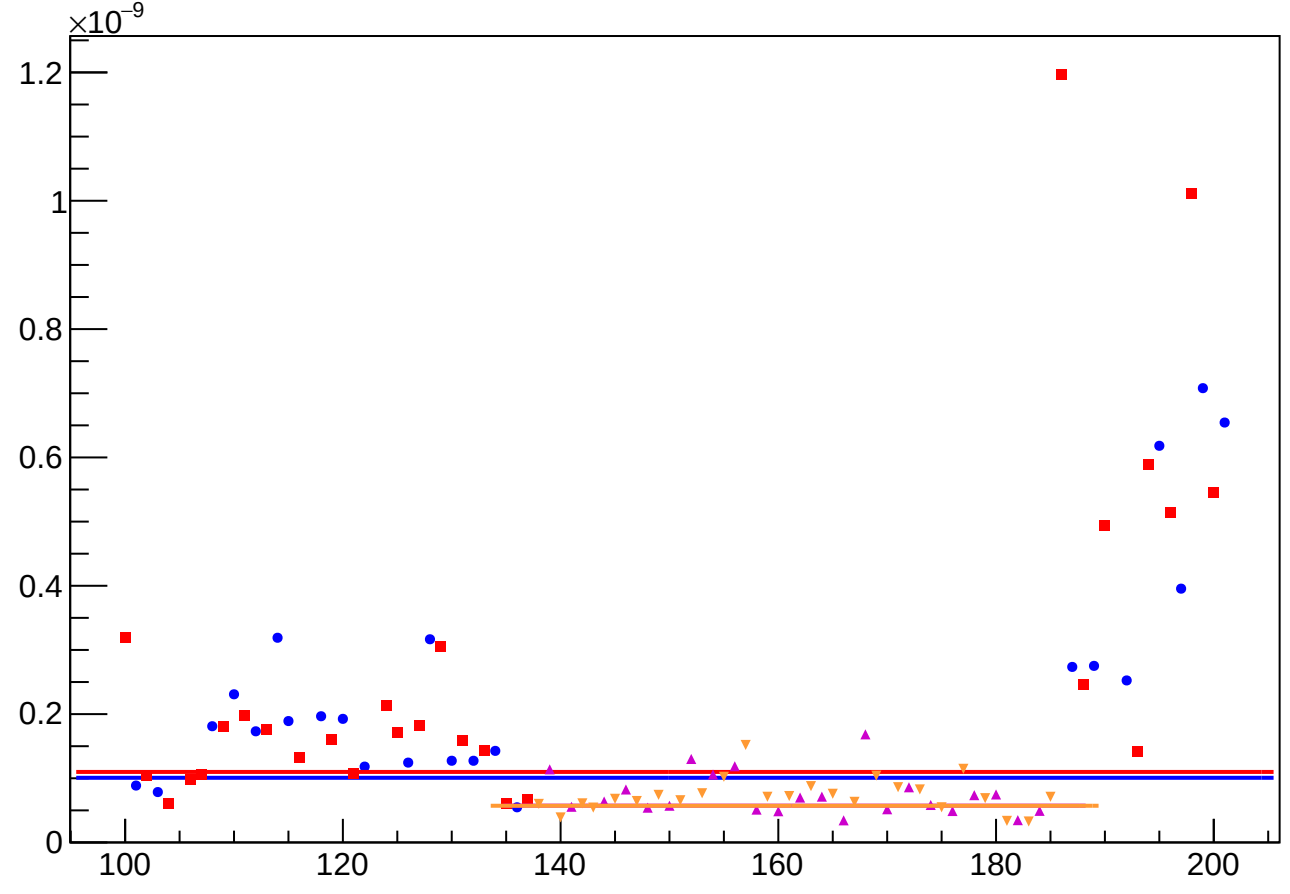
Right Out: 0.000+/-0.000 χ^2/NDF: 11.7/26

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

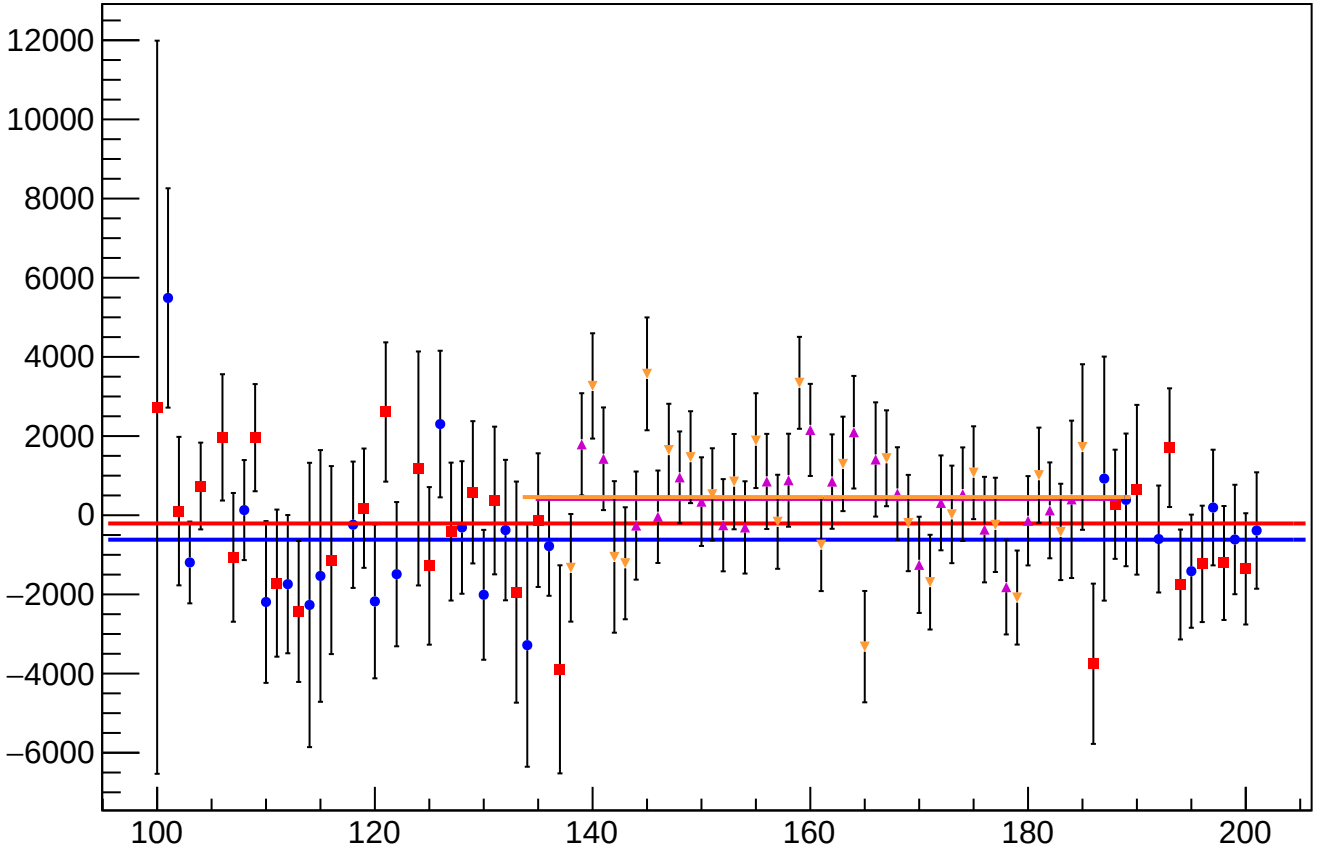
+ sign -0.000+/-0.000 χ^2/NDF: 50.3/47

All: 0.000+/-0.000 χ^2/NDF: 82.6/97

- sign 0.000+/-0.000 χ^2/NDF: 28.5/49


asym_usr_atr2_avg_eigen_cor_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: 5016202.8/22
Left Out: 0.000+/-0.000 χ²/NDF:3337849.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5369277.5/26
Left In: 0.000+/-0.000 χ²/NDF:3299416.7/22
+ sign 0.000+/-0.000 χ²/NDF: 9765308.2/47
All: 0.000+/-0.000 χ²/NDF: 20365689.6/97
- sign 0.000+/-0.000 χ²/NDF: 10596239.6/49

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: -208.003+/-327.732 χ^2/NDF: 21.6/26

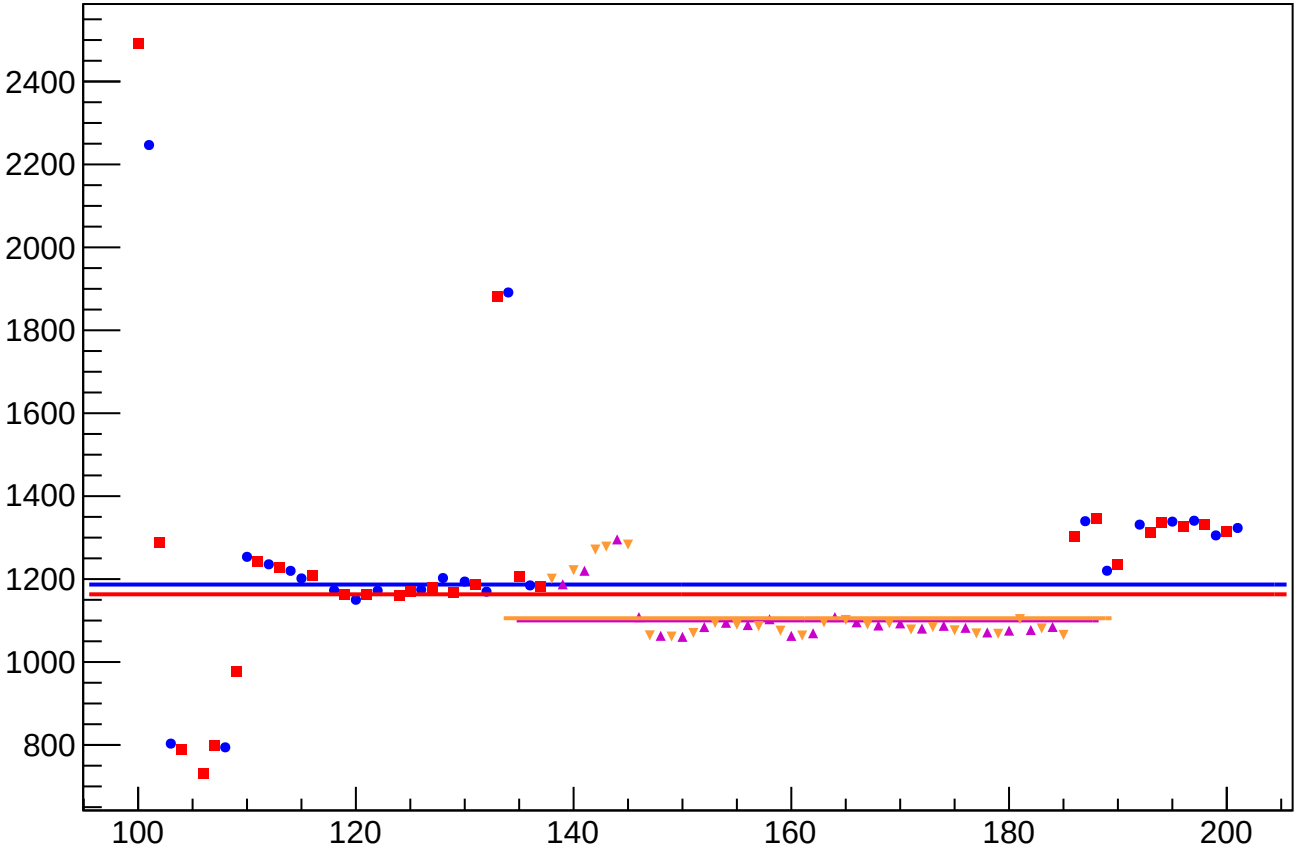
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 84.429+/-203.144 χ^2/NDF: 61.5/47

All: 130.011+/-143.357 χ^2/NDF: 99.0/97

- sign 175.230+/-202.333 χ^2/NDF: 37.4/49

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

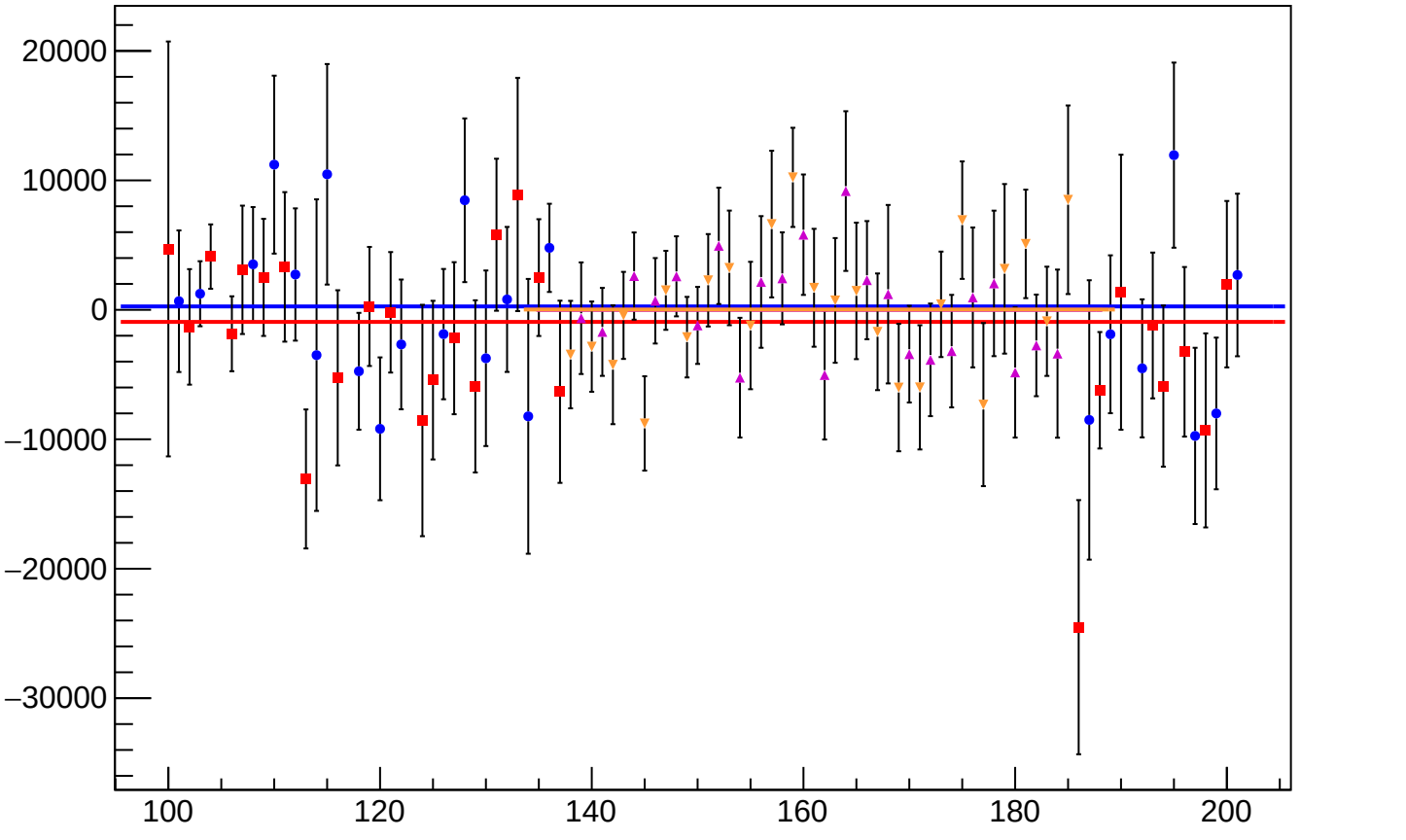
Right Out: 1163.265+/-0.231 χ^2/NDF: 917891.9/26

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1133.817+/-0.144 χ^2/NDF: 1172022.6/47

All: 1129.124+/-0.101 χ^2/NDF: 2218189.3/97

- sign 1124.487+/-0.143 χ^2/NDF: 1044044.4/49



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: -933.227+/-1001.377 χ^2/NDF: 26.7/26

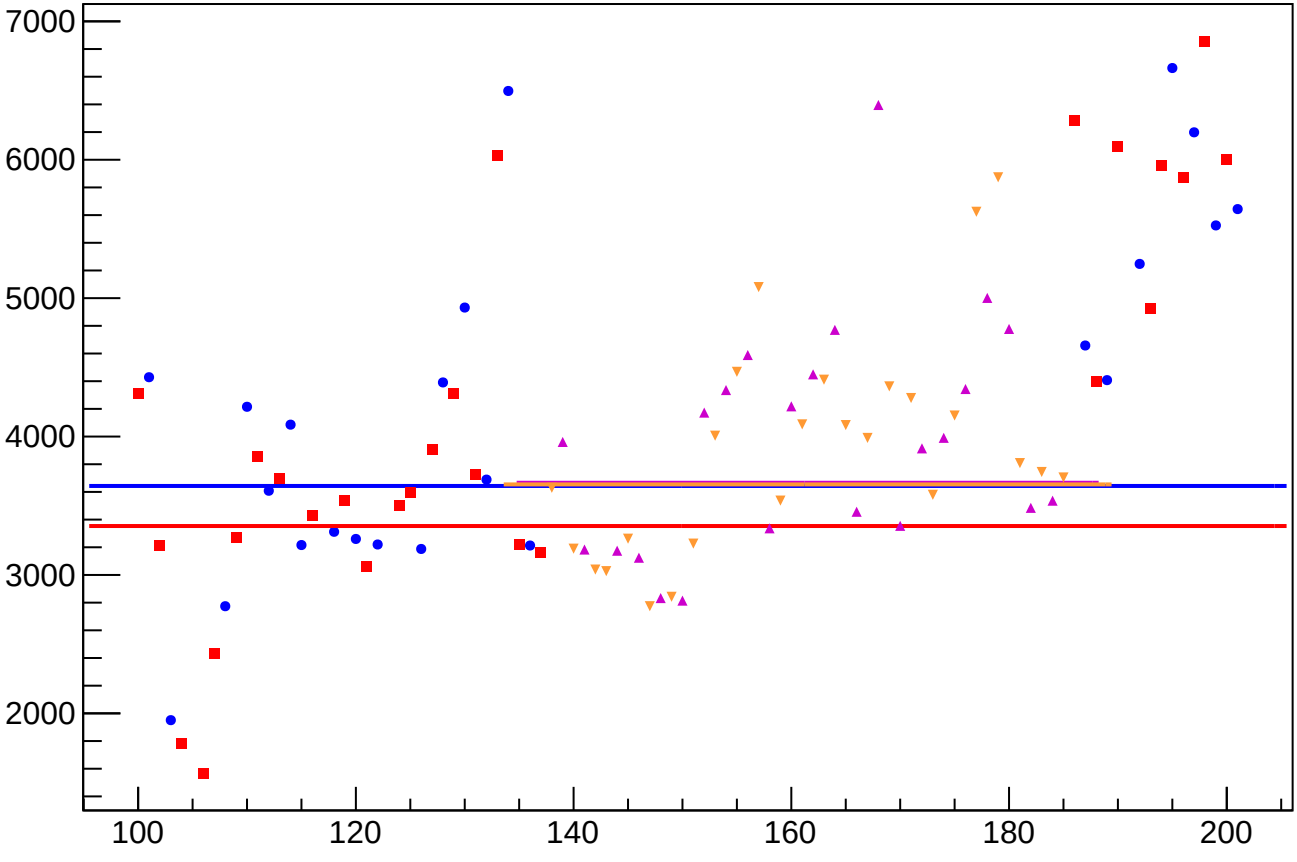
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 112.735+/-673.120 χ^2/NDF: 51.2/47

All: -153.026+/-470.898 χ^2/NDF: 92.7/97

- sign -407.758+/-659.006 χ^2/NDF: 41.2/49

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: 3353.550+/-0.708 χ^2/NDF: 3922266.6/26

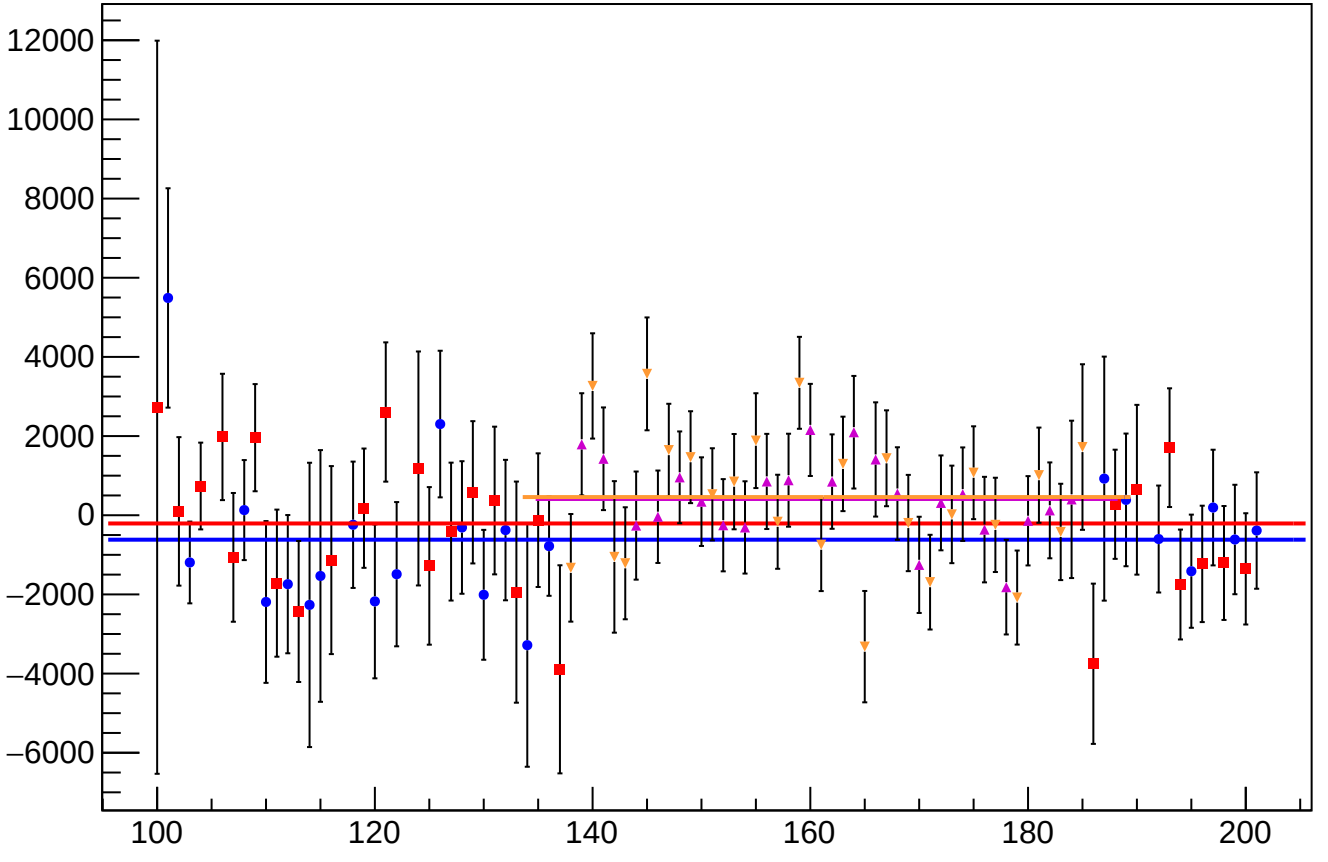
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3650.036+/-0.476 χ^2/NDF: 3965111.3/47

All: 3589.127+/-0.333 χ^2/NDF: 9373626.2/97

- sign 3530.746+/-0.466 χ^2/NDF: 5376442.8/49

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: -207.817+/-327.734 χ^2/NDF: 21.6/26

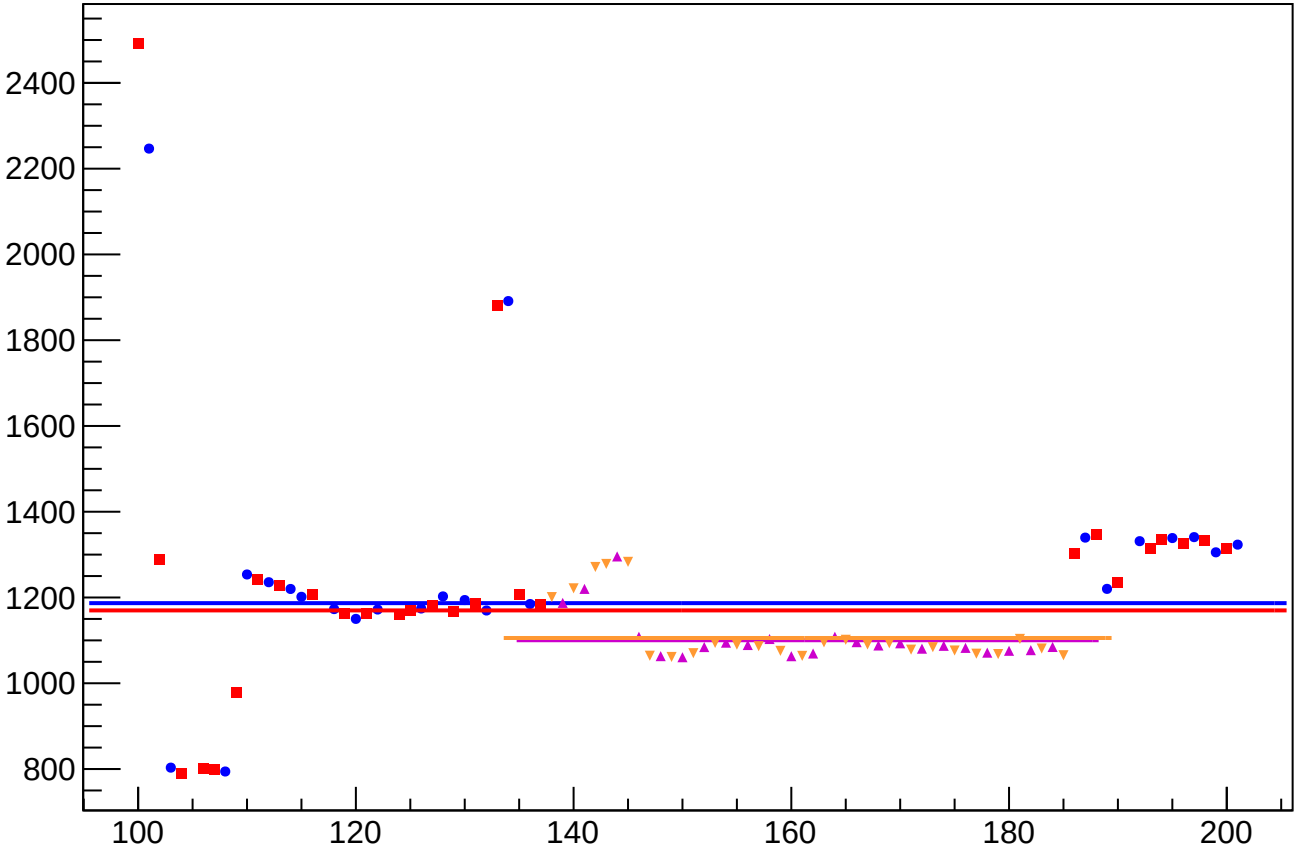
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 84.466+/-203.144 χ^2/NDF: 61.5/47

All: 130.036+/-143.357 χ^2/NDF: 99.0/97

- sign 175.243+/-202.333 χ^2/NDF: 37.5/49

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

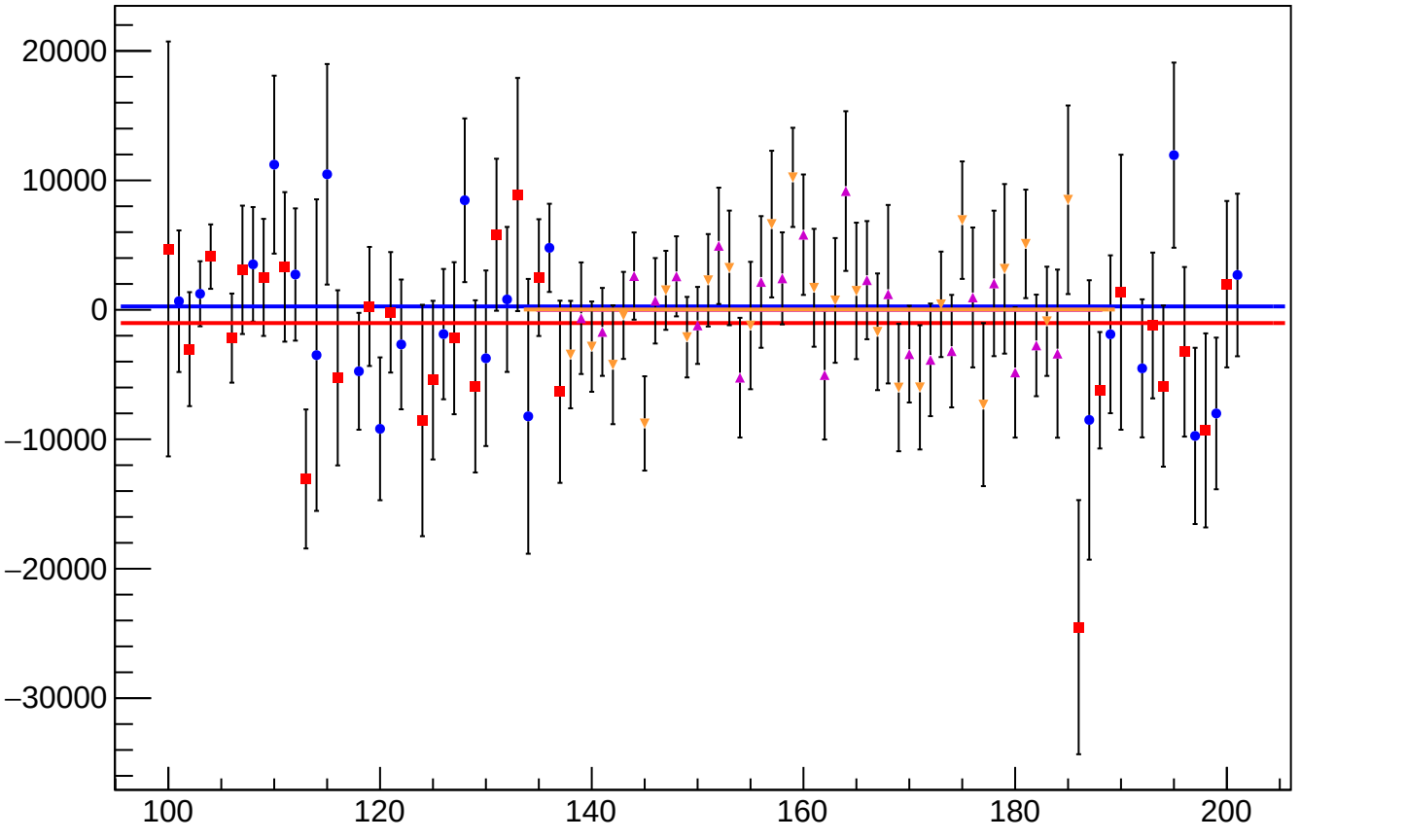
Right Out: 1169.885+/-0.231 χ^2/NDF: 842787.7/26

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1133.818+/-0.144 χ^2/NDF: 1172018.9/47

All: 1130.340+/-0.101 χ^2/NDF: 2152015.8/97

- sign 1126.893+/-0.143 χ^2/NDF: 978829.9/49



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: -1021.988+/-1018.702 χ^2/NDF: 26.9/26

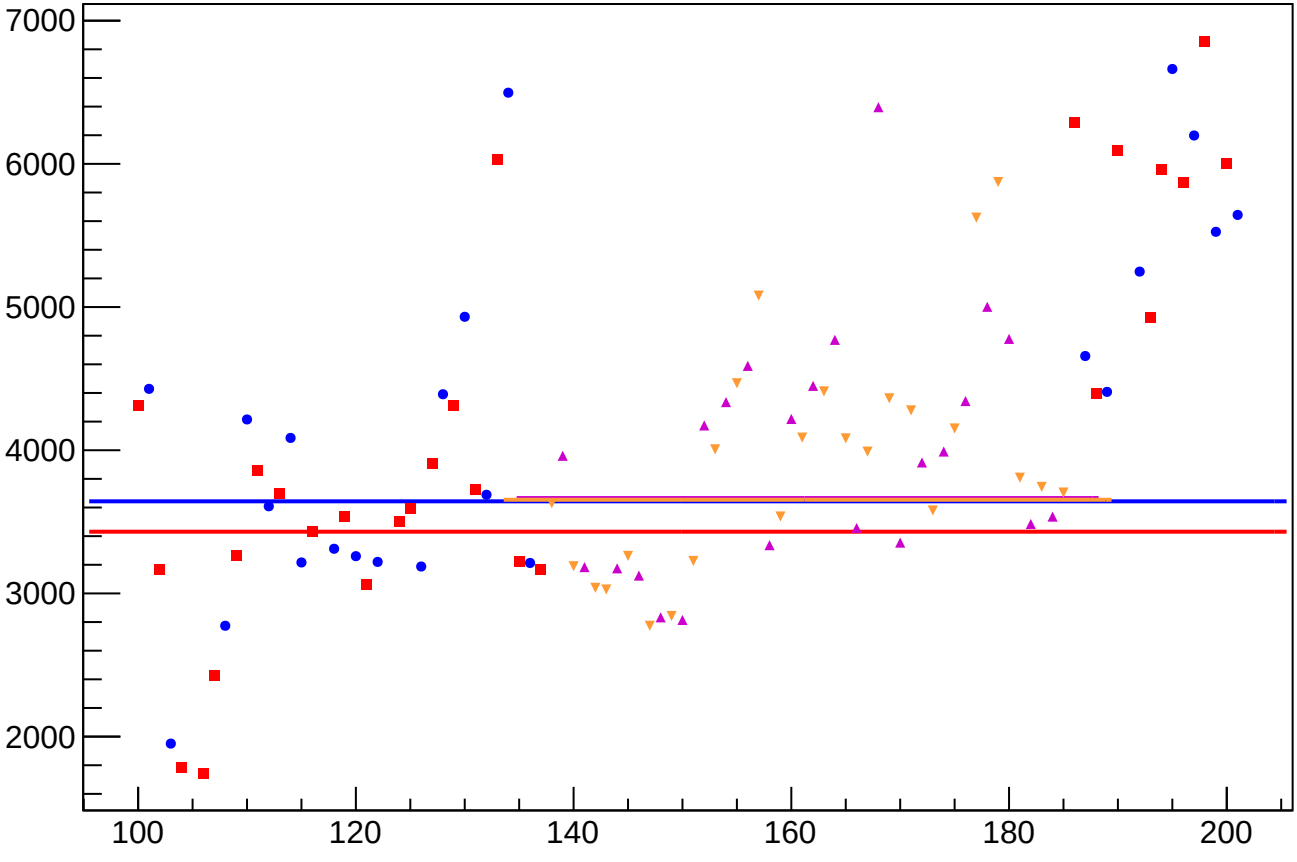
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 112.553+/-673.128 χ^2/NDF: 51.2/47

All: -166.380+/-472.667 χ^2/NDF: 93.1/97

- sign -437.695+/-663.872 χ^2/NDF: 41.5/49

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: 3431.040+/-0.720 χ^2/NDF: 3586992.4/26

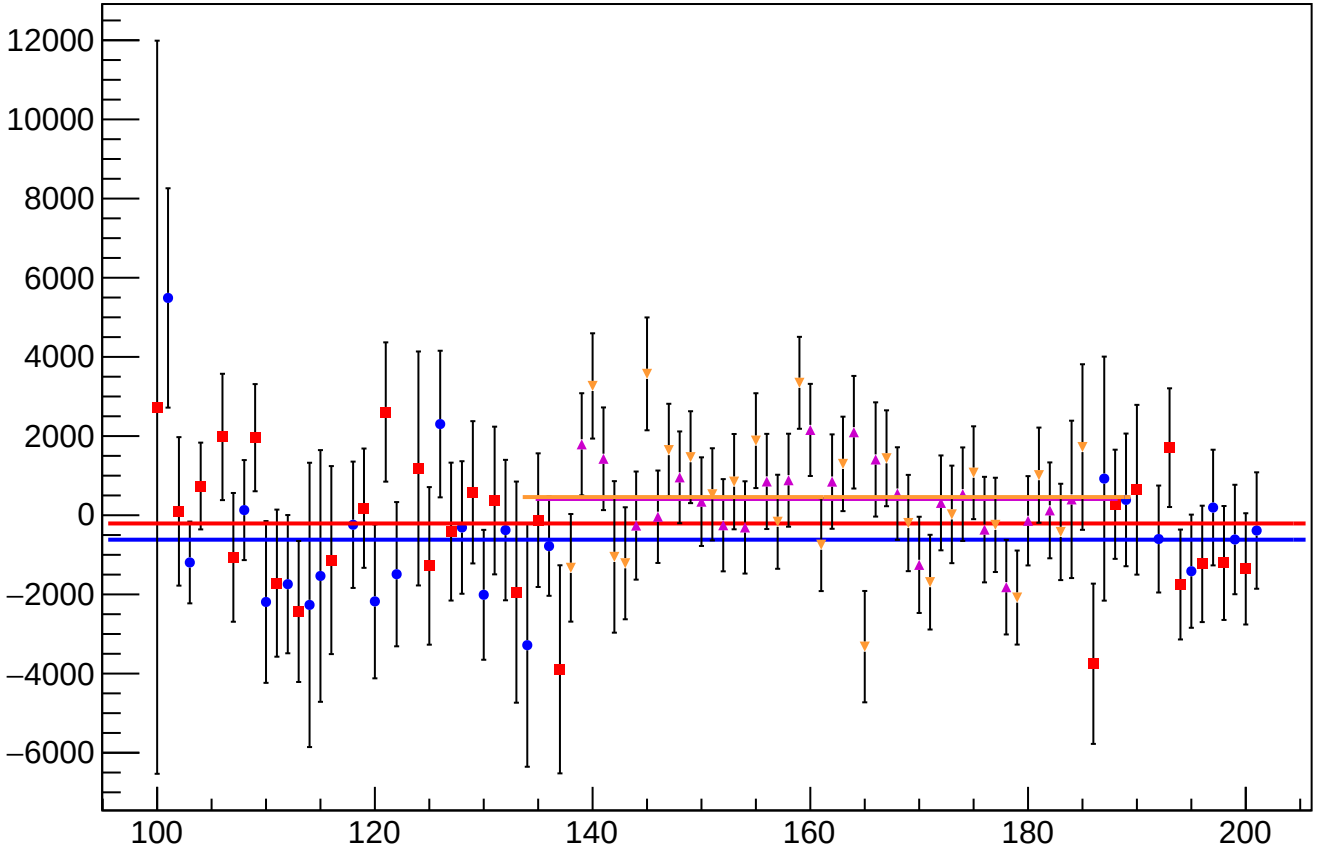
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3650.100+/-0.476 χ^2/NDF: 3964425.1/47

All: 3607.610+/-0.334 χ^2/NDF: 8972120.0/97

- sign 3566.280+/-0.469 χ^2/NDF: 4991973.9/49

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: -207.817+/-327.734 χ^2/NDF: 21.6/26

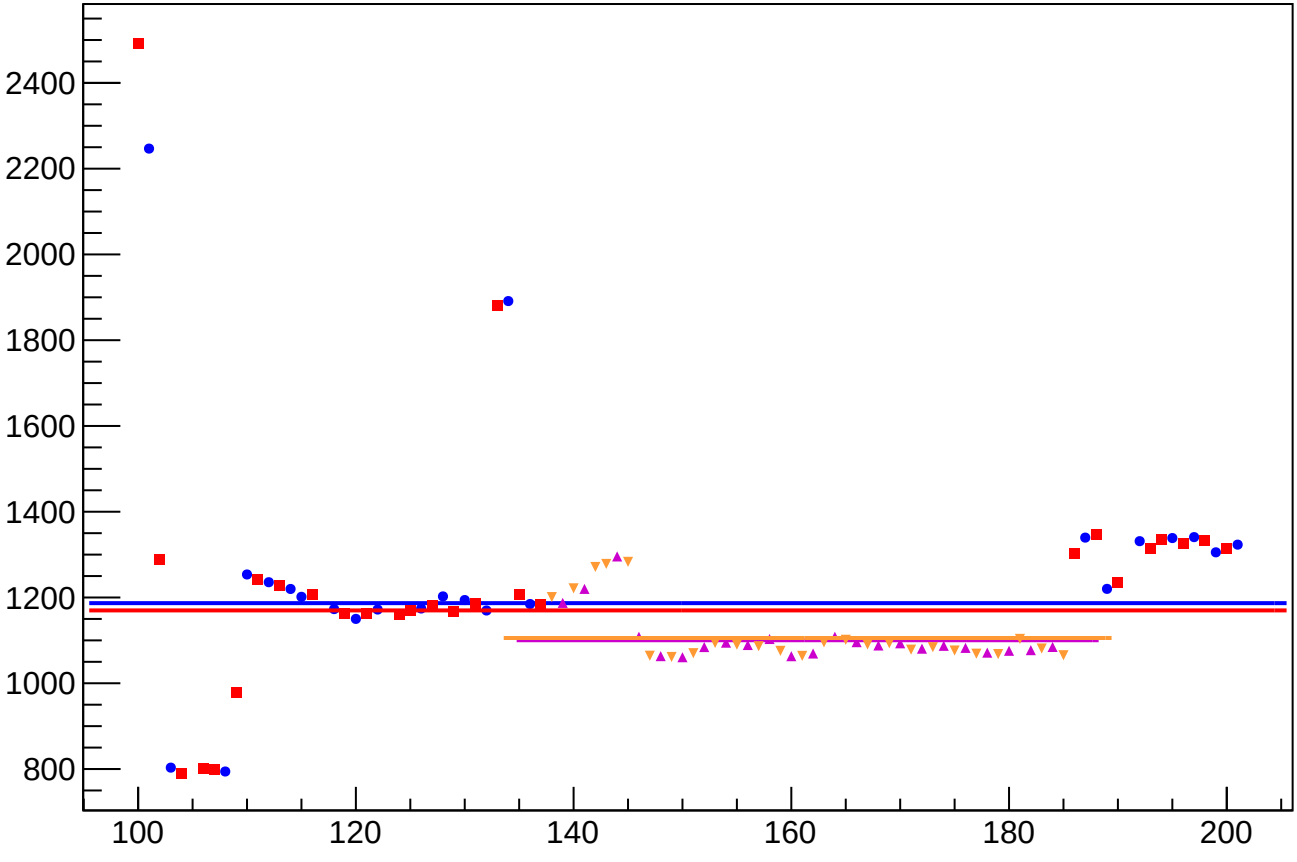
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 84.466+/-203.144 χ^2/NDF: 61.5/47

All: 130.036+/-143.357 χ^2/NDF: 99.0/97

- sign 175.243+/-202.333 χ^2/NDF: 37.5/49

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

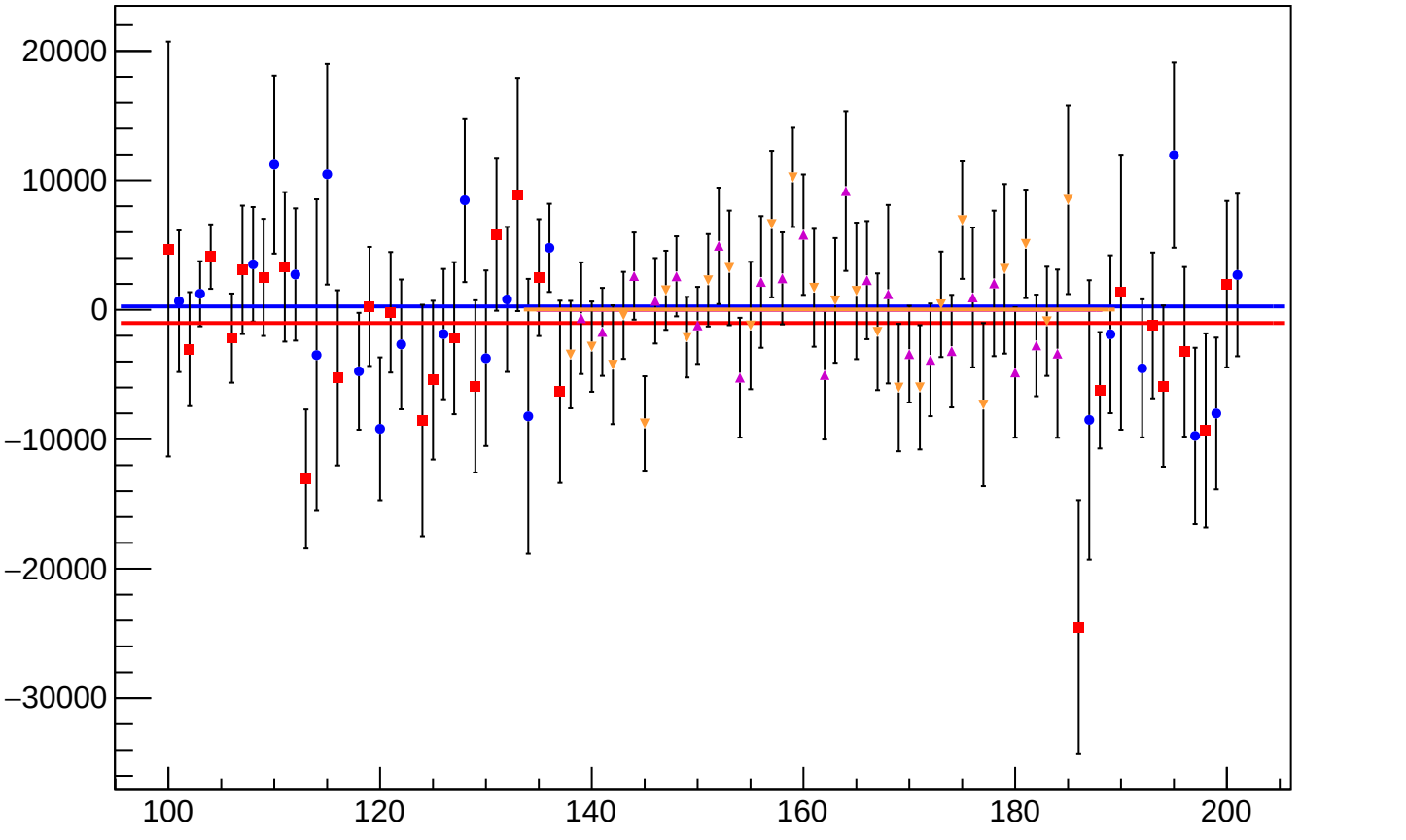
Right Out: 1169.885+/-0.231 χ^2/NDF: 842787.7/26

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1133.818+/-0.144 χ^2/NDF: 1172018.9/47

All: 1130.340+/-0.101 χ^2/NDF: 2152015.8/97

- sign 1126.893+/-0.143 χ^2/NDF: 978829.9/49



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: -1021.988+/-1018.702 χ^2/NDF: 26.9/26

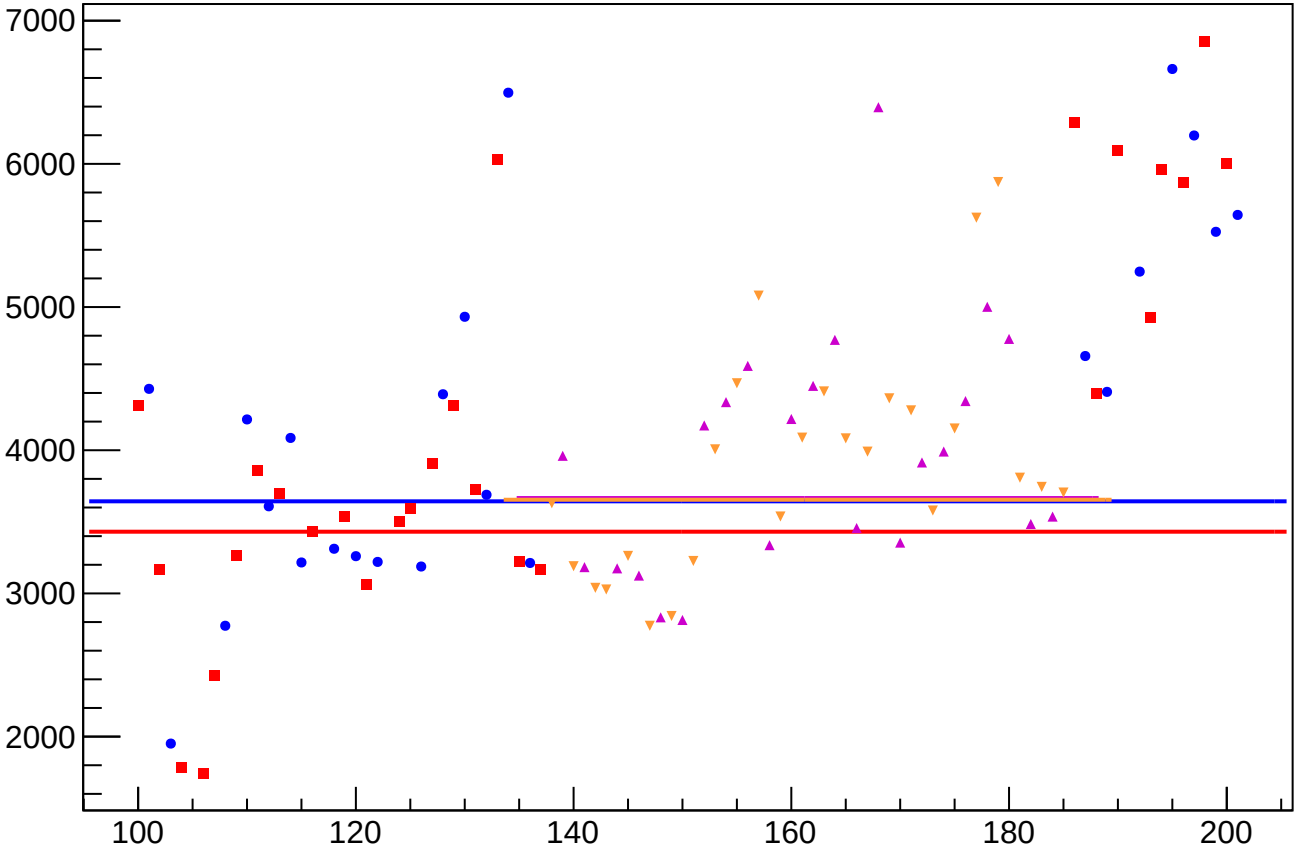
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 112.553+/-673.128 χ^2/NDF: 51.2/47

All: -166.380+/-472.667 χ^2/NDF: 93.1/97

- sign -437.695+/-663.872 χ^2/NDF: 41.5/49

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: 3431.040+/-0.720 χ^2/NDF: 3586992.4/26

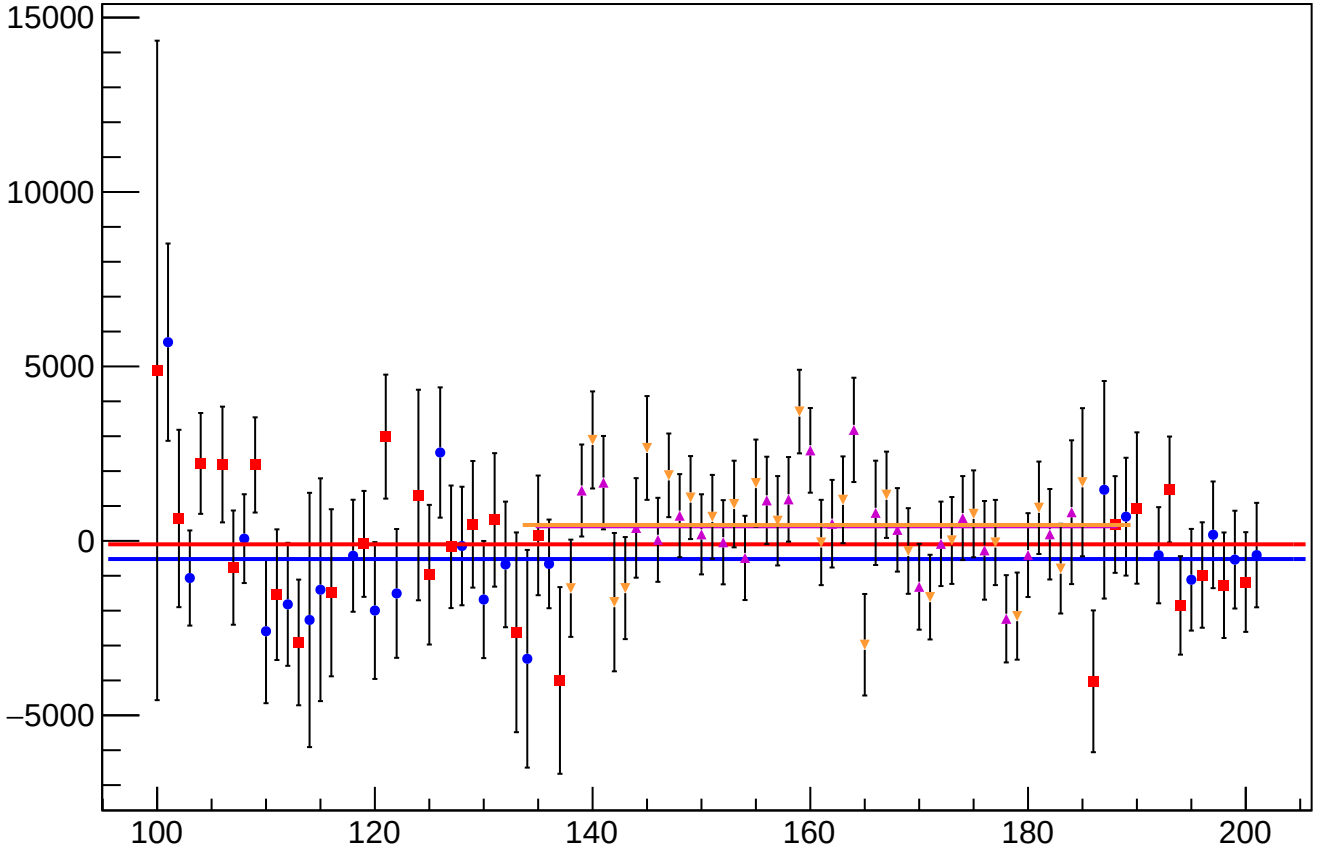
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3650.100+/-0.476 χ^2/NDF: 3964425.1/47

All: 3607.610+/-0.334 χ^2/NDF: 8972120.0/97

- sign 3566.280+/-0.469 χ^2/NDF: 4991973.9/49

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: -98.418+/-341.477 χ^2/NDF: 26.0/26

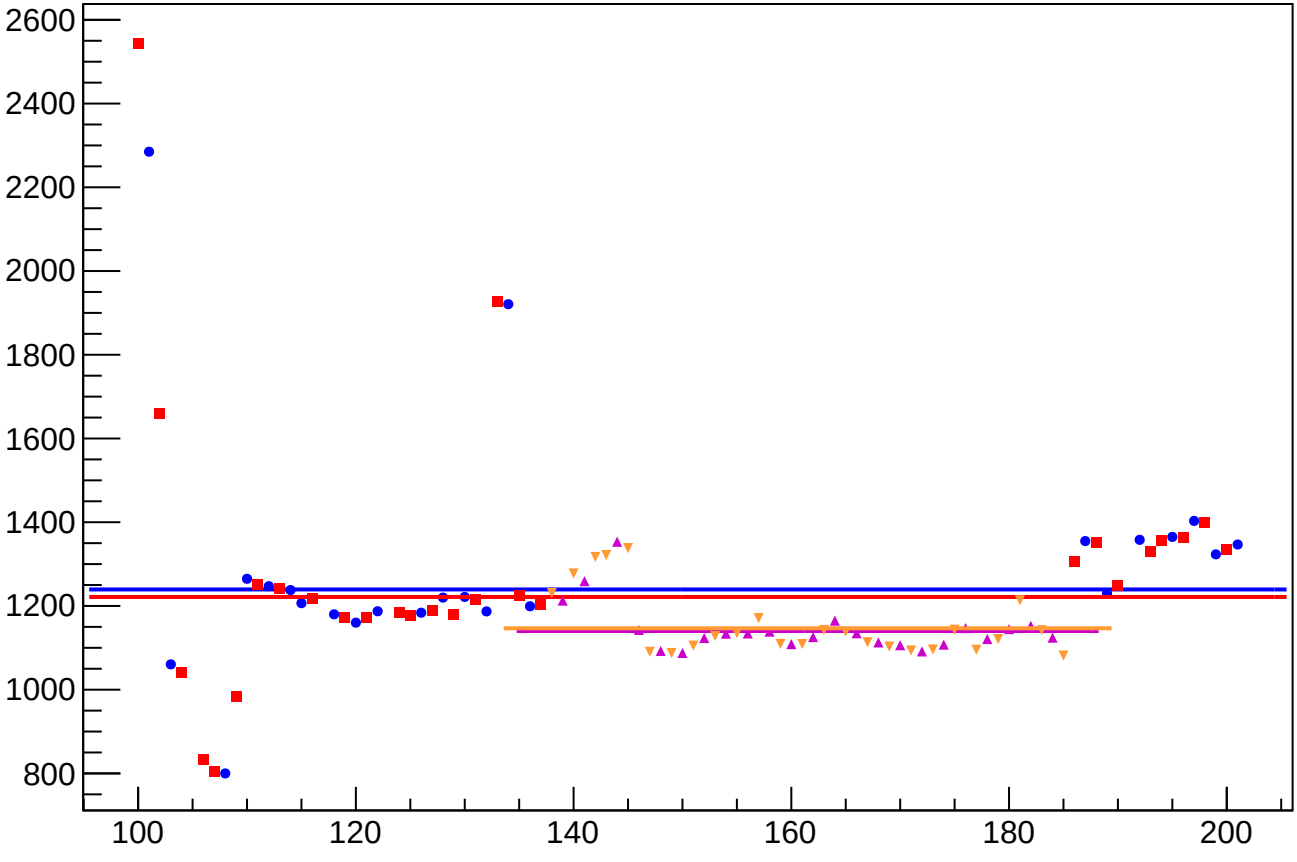
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 116.811+/-210.890 χ^2/NDF: 54.3/47

All: 169.571+/-148.853 χ^2/NDF: 99.2/97

- sign 221.952+/-210.132 χ^2/NDF: 44.7/49

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: 1221.411+/-0.241 χ^2/NDF: 668997.0/26

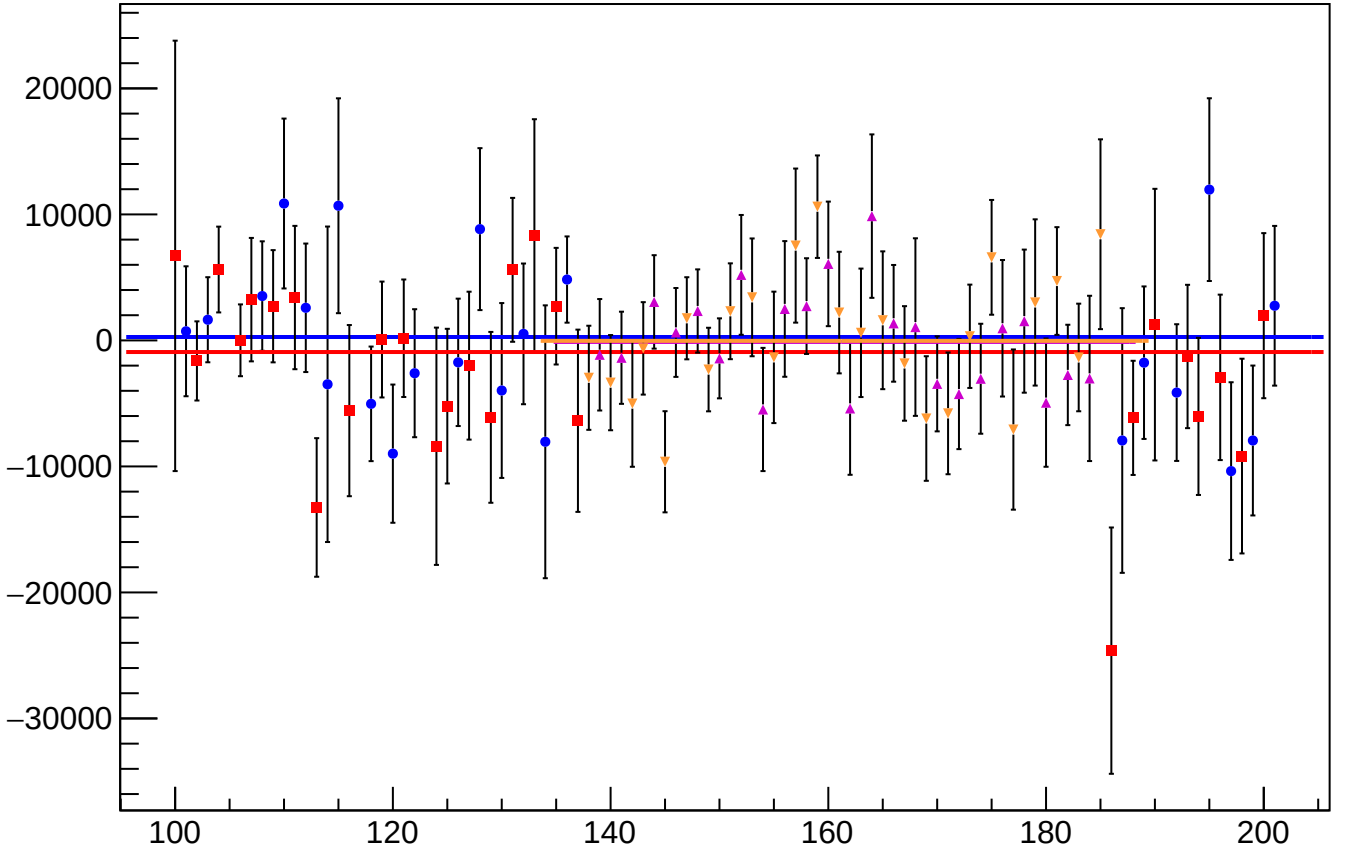
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1178.823+/-0.149 χ^2/NDF: 957427.1/47

All: 1174.869+/-0.105 χ^2/NDF: 1782927.8/97

- sign 1170.943+/-0.149 χ^2/NDF: 824099.3/49

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: -921.243+/-1015.437 χ^2/NDF: 26.2/26

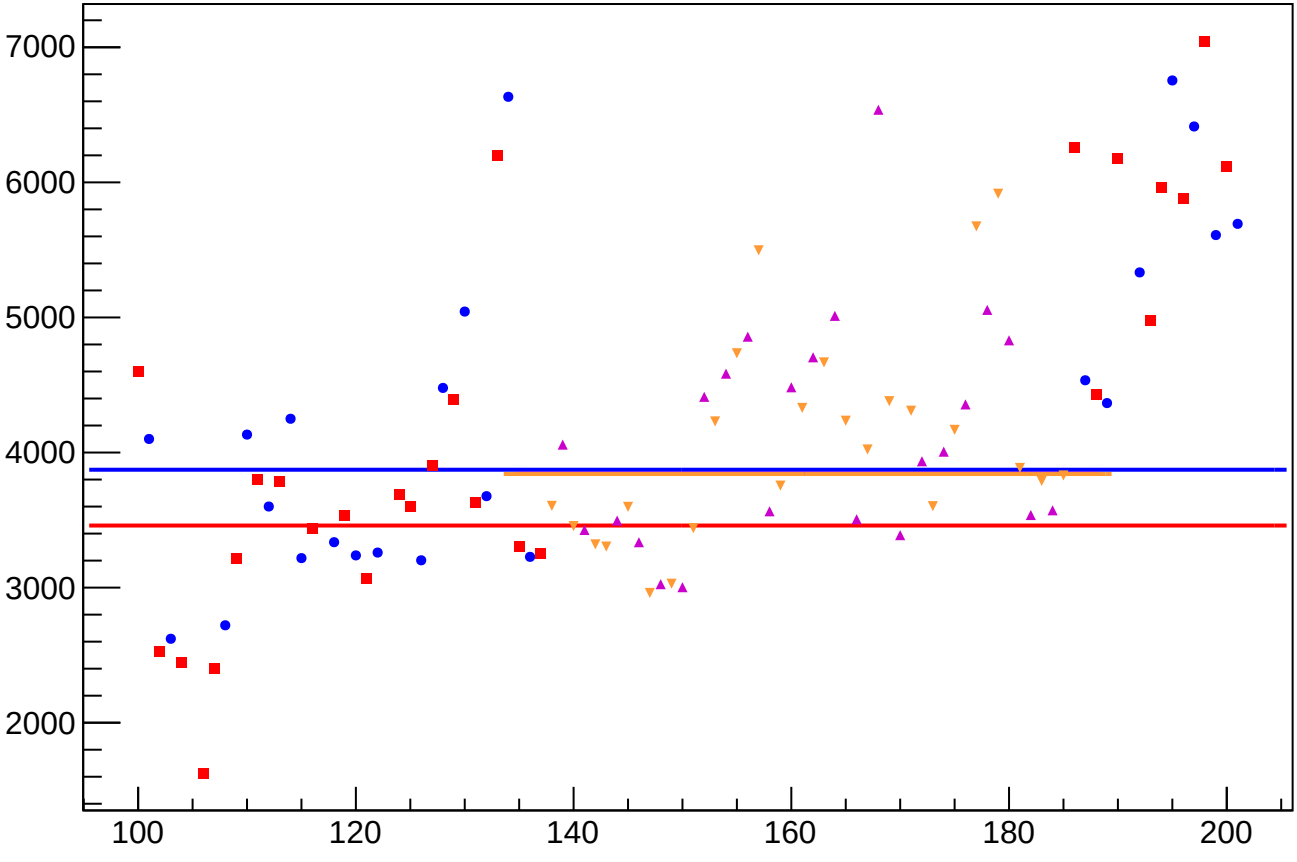
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 80.376+/-705.212 χ^2/NDF: 50.3/47

All: -209.959+/-489.517 χ^2/NDF: 91.0/97

- sign -479.936+/-680.039 χ^2/NDF: 40.3/49

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: 3459.631+/-0.718 χ^2/NDF: 3435672.5/26

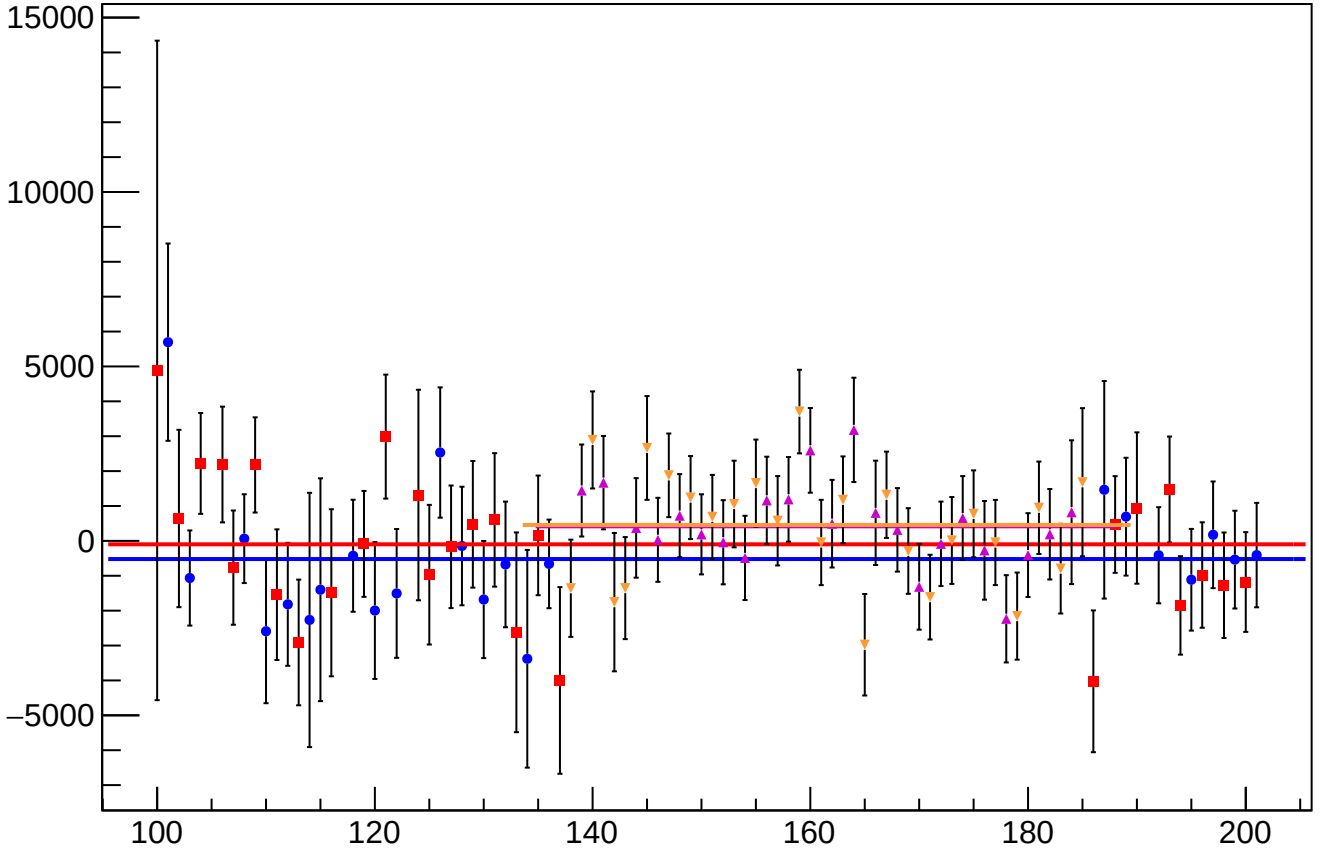
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3852.769+/-0.499 χ^2/NDF: 3036030.5/47

All: 3758.707+/-0.346 χ^2/NDF: 7893915.5/97

- sign 3671.241+/-0.481 χ^2/NDF: 4789218.2/49

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: -98.414+/-341.477 χ^2/NDF: 26.0/26

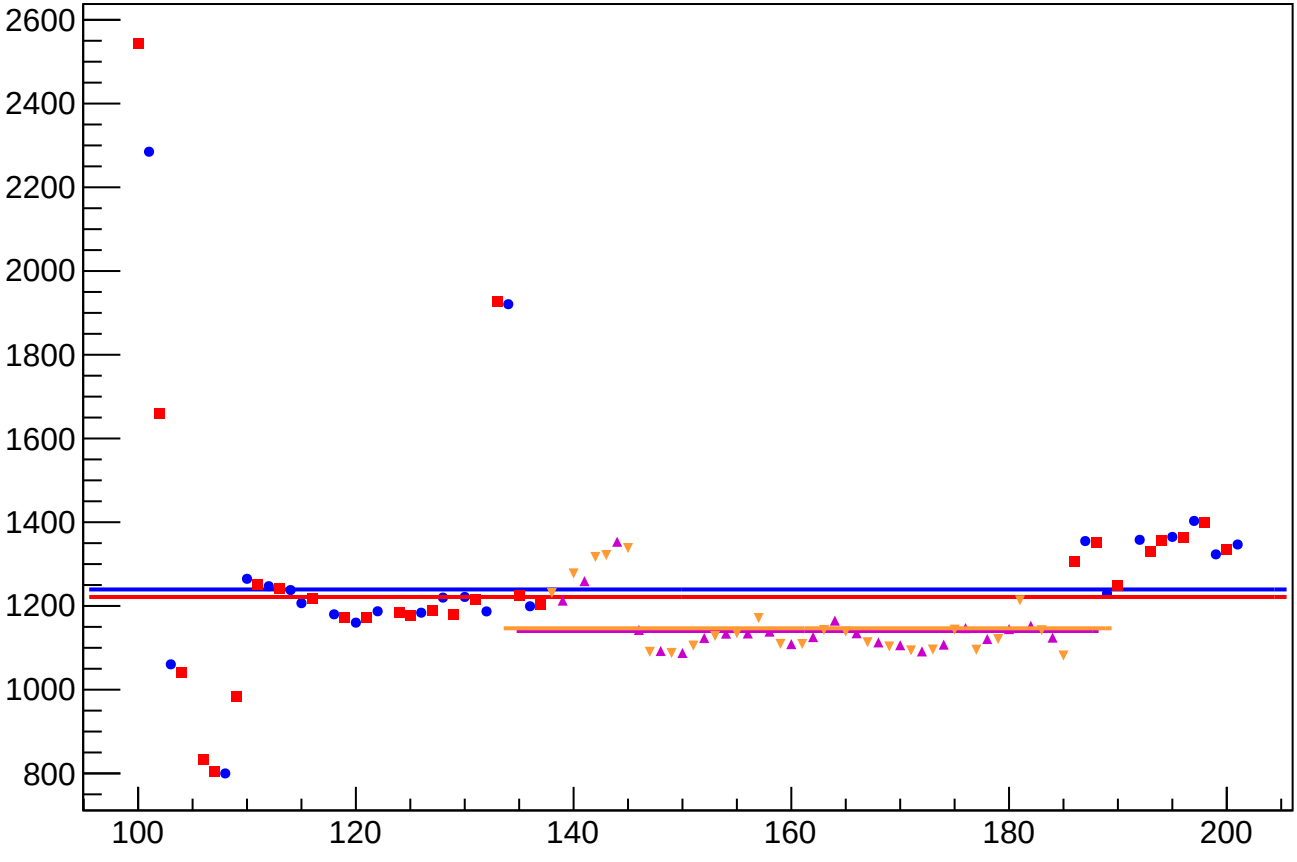
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 116.813+/-210.891 χ^2/NDF: 54.3/47

All: 169.572+/-148.853 χ^2/NDF: 99.2/97

- sign 221.953+/-210.132 χ^2/NDF: 44.7/49

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

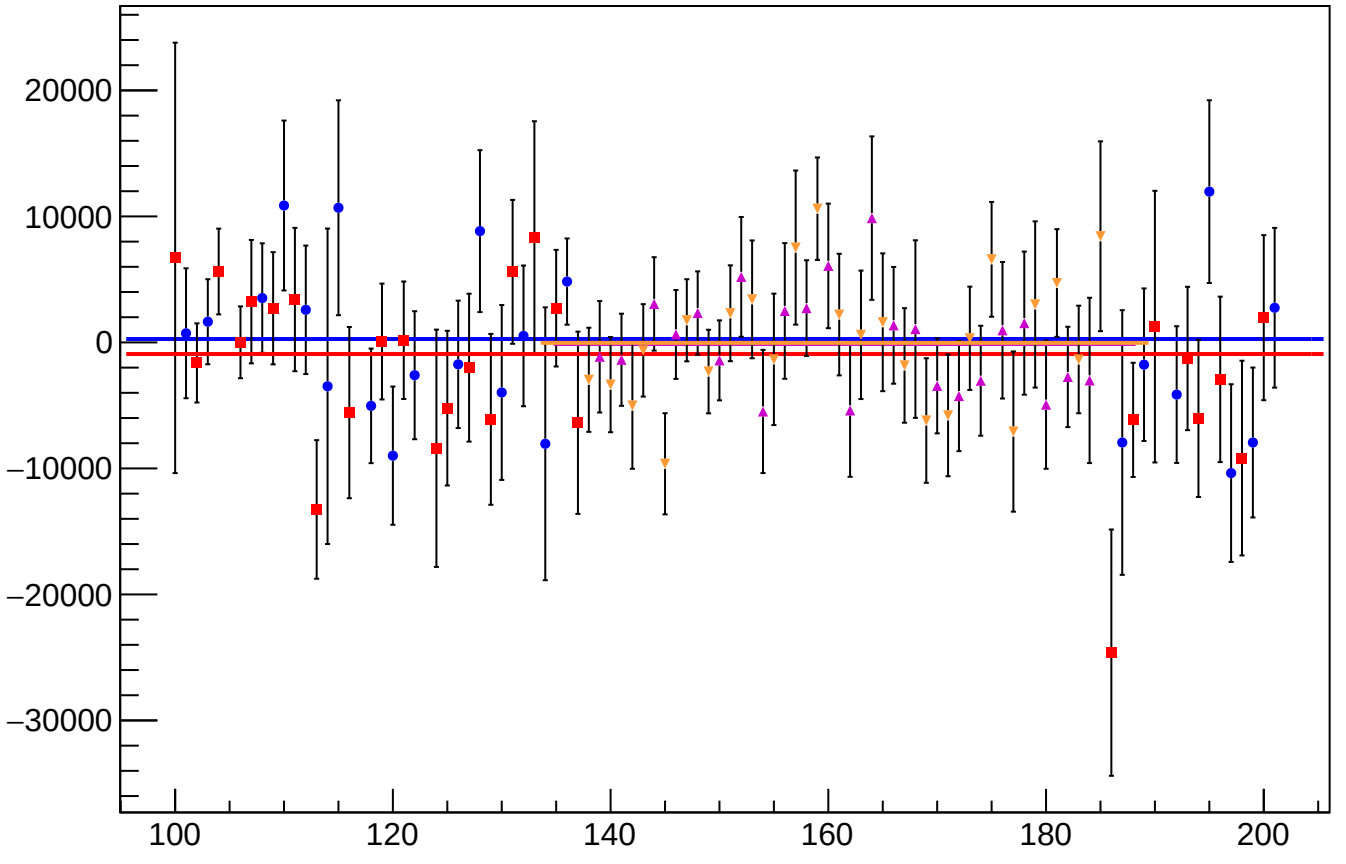
Right Out: 1221.412+/-0.241 χ^2/NDF: 668996.6/26

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1178.823+/-0.149 χ^2/NDF: 957426.3/47

All: 1174.869+/-0.105 χ^2/NDF: 1782925.4/97

- sign 1170.944+/-0.149 χ^2/NDF: 824097.9/49



Right In: 270.989+/-1153.028 χ^2/NDF: 22.5/22

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

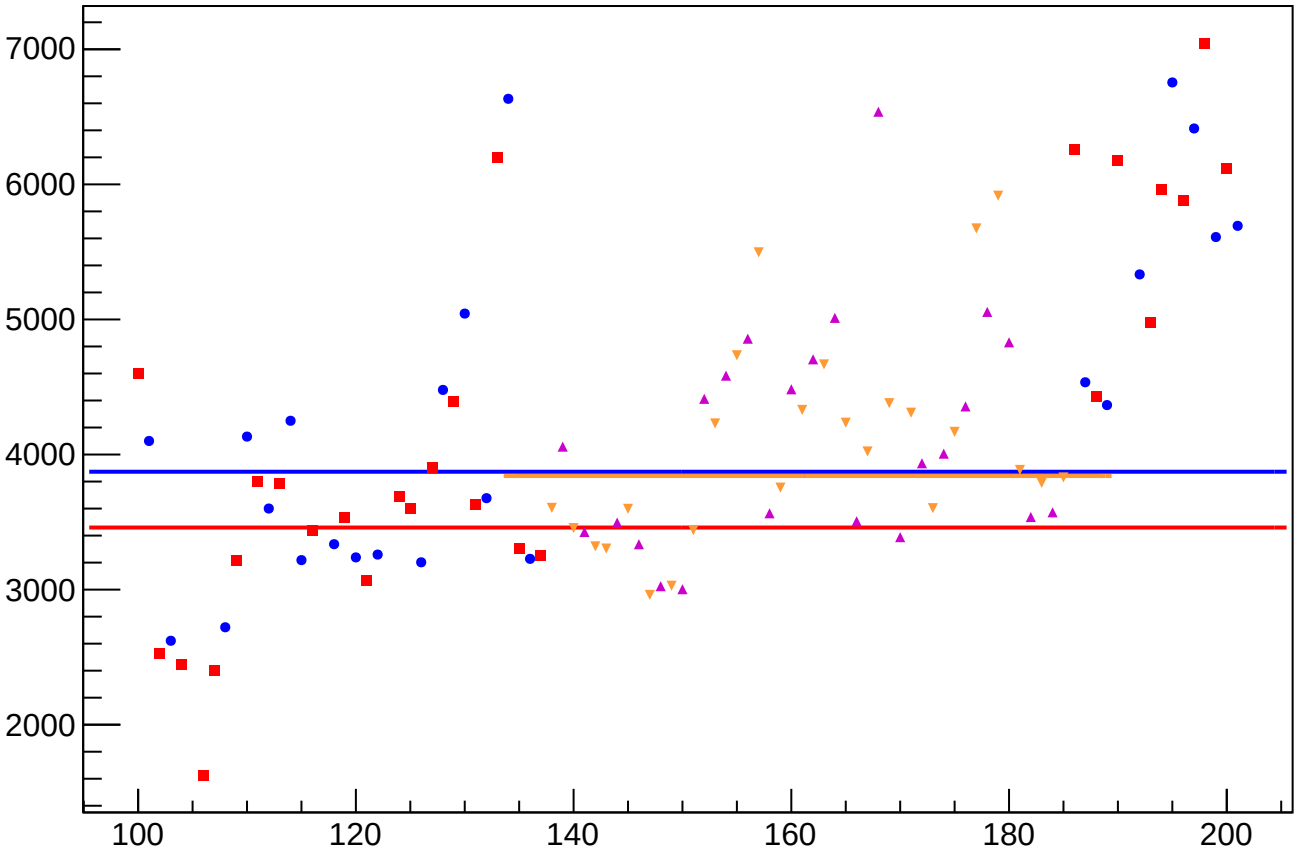
Right Out: -921.234+/-1015.436 χ^2/NDF: 26.2/26

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 80.372+/-705.212 χ^2/NDF: 50.3/47

All: -209.960+/-489.518 χ^2/NDF: 91.0/97

- sign -479.934+/-680.039 χ^2/NDF: 40.3/49



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: 3459.626+/-0.718 χ^2/NDF: 3435685.4/26

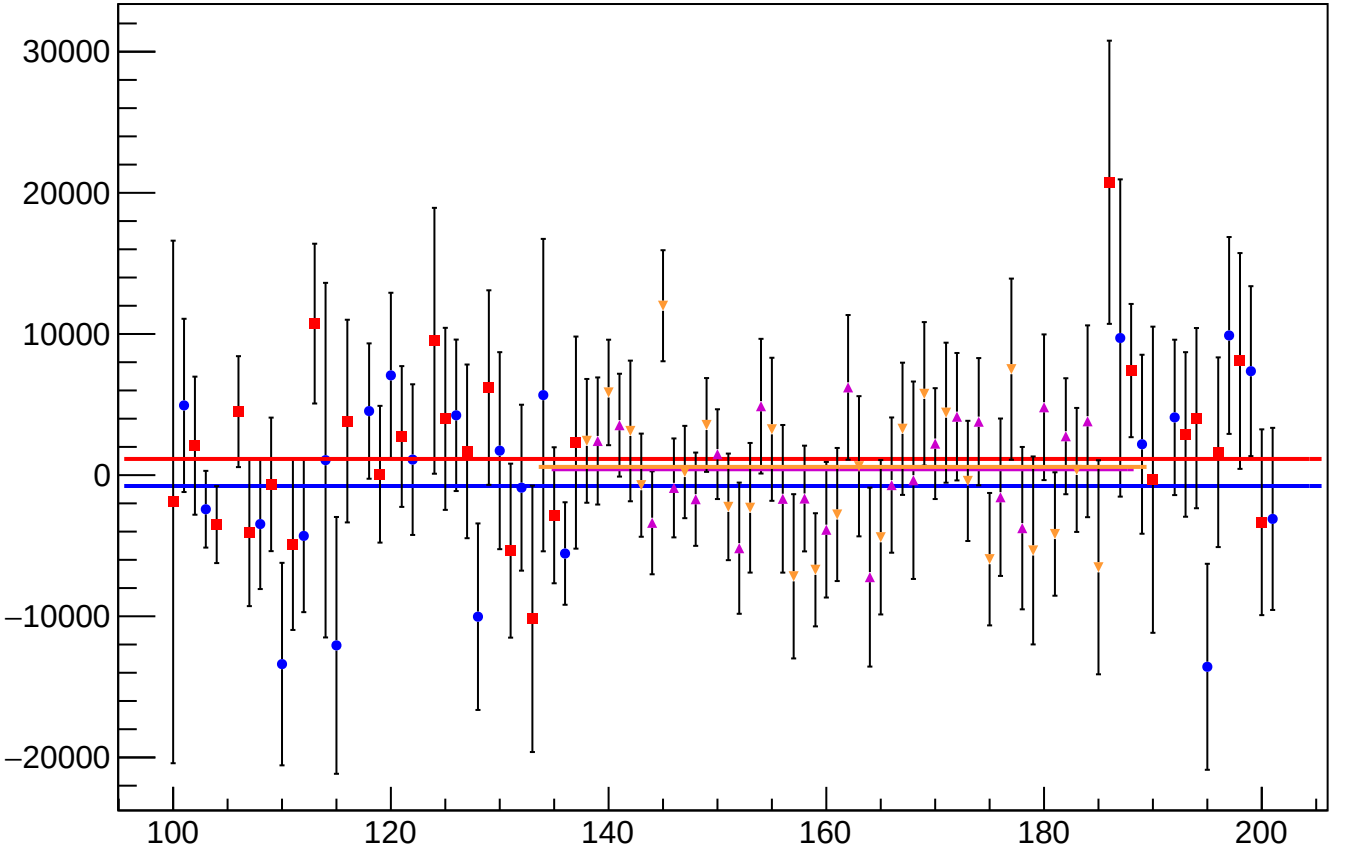
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3852.771+/-0.499 χ^2/NDF: 3036038.6/47

All: 3758.708+/-0.346 χ^2/NDF: 7893950.1/97

- sign 3671.241+/-0.481 χ^2/NDF: 4789242.9/49

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: 1147.185+/-1086.717 χ^2/NDF: 21.0/26

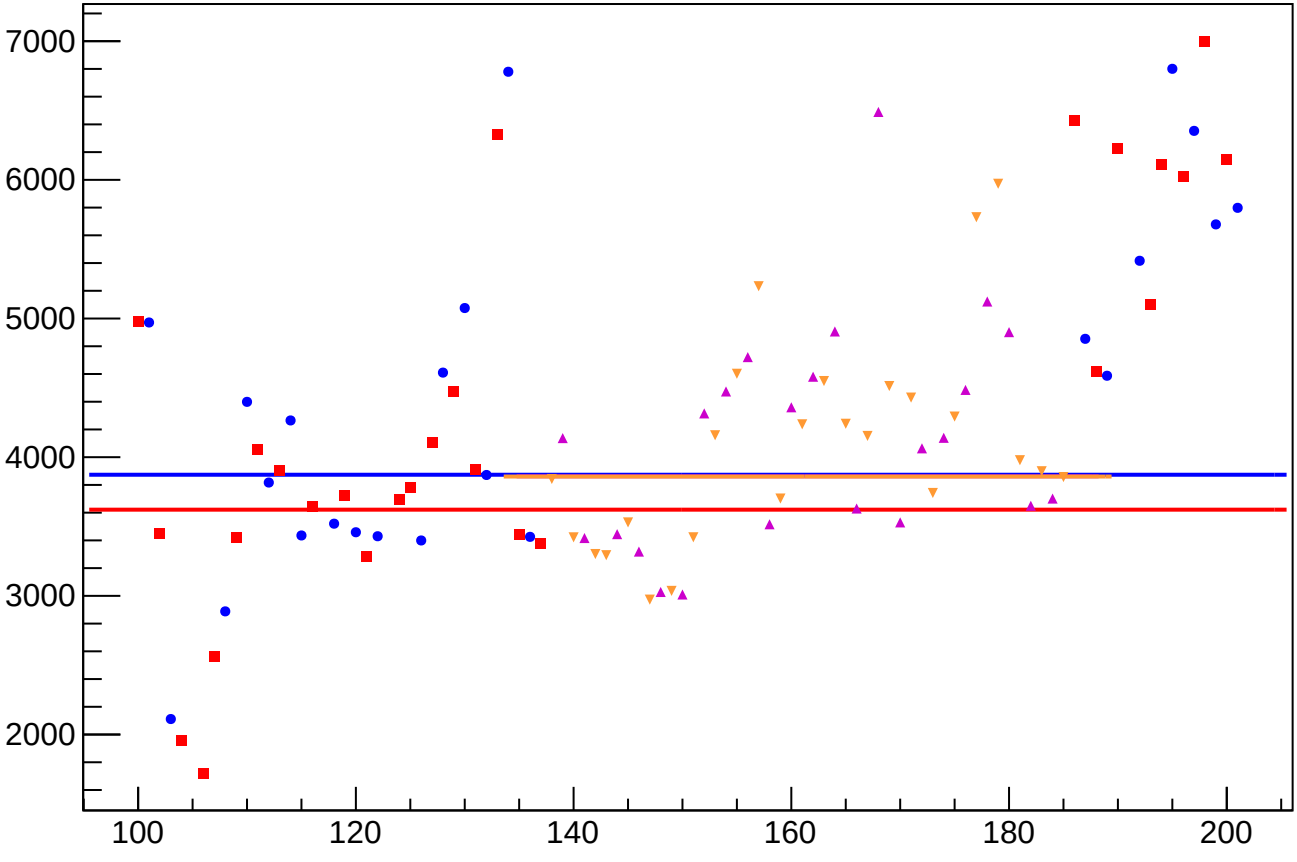
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 81.249+/-709.672 χ^2/NDF: 52.4/47

All: 404.902+/-498.980 χ^2/NDF: 86.5/97

- sign 721.346+/-701.723 χ^2/NDF: 33.7/49

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

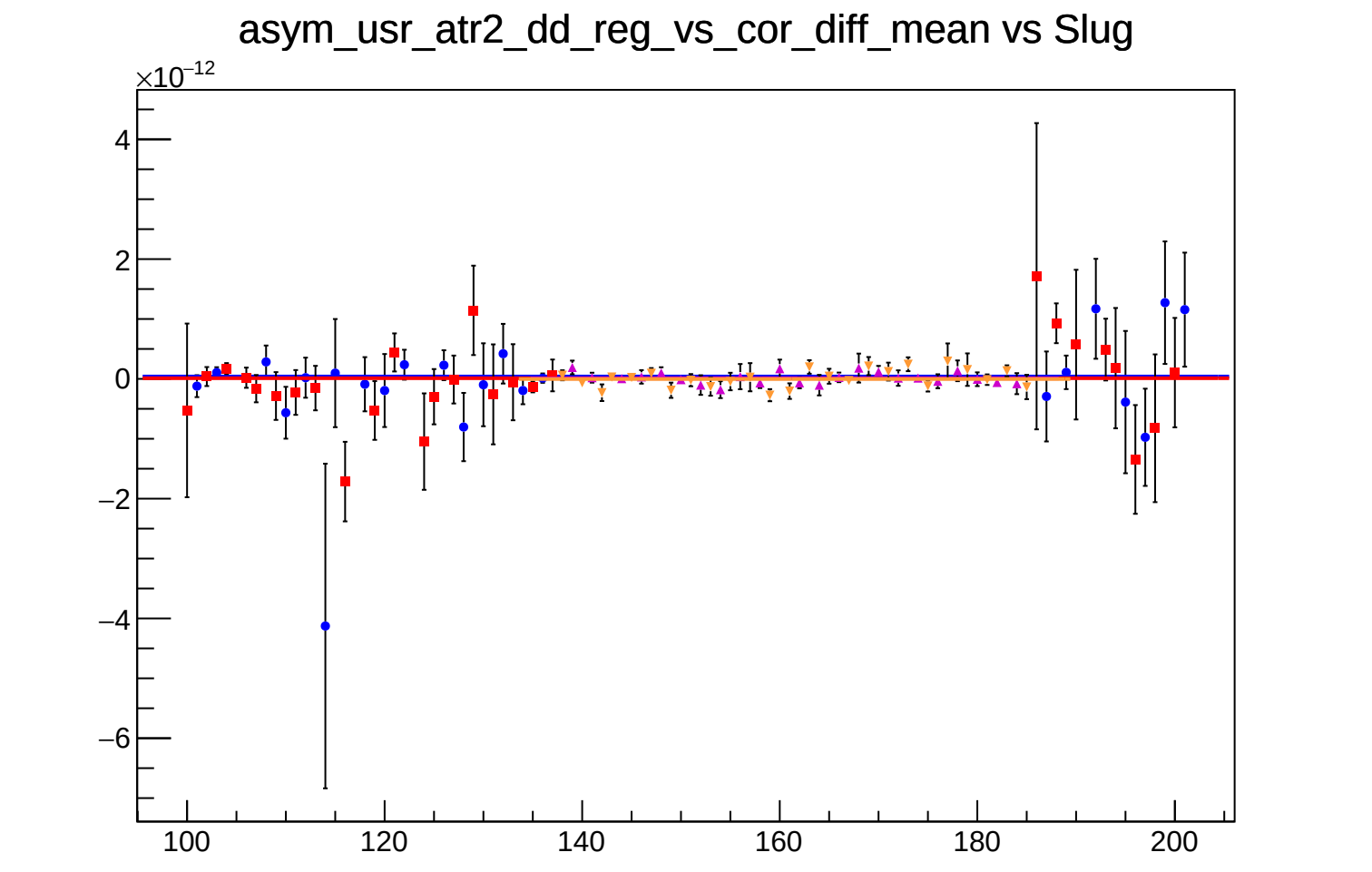
Right Out: 3621.547+/-0.758 χ^2/NDF: 3456840.2/26

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3865.326+/-0.502 χ^2/NDF: 3544047.8/47

All: 3811.963+/-0.352 χ^2/NDF: 8223453.1/97

- sign 3760.370+/-0.493 χ^2/NDF: 4657163.7/49



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: 33.9/26

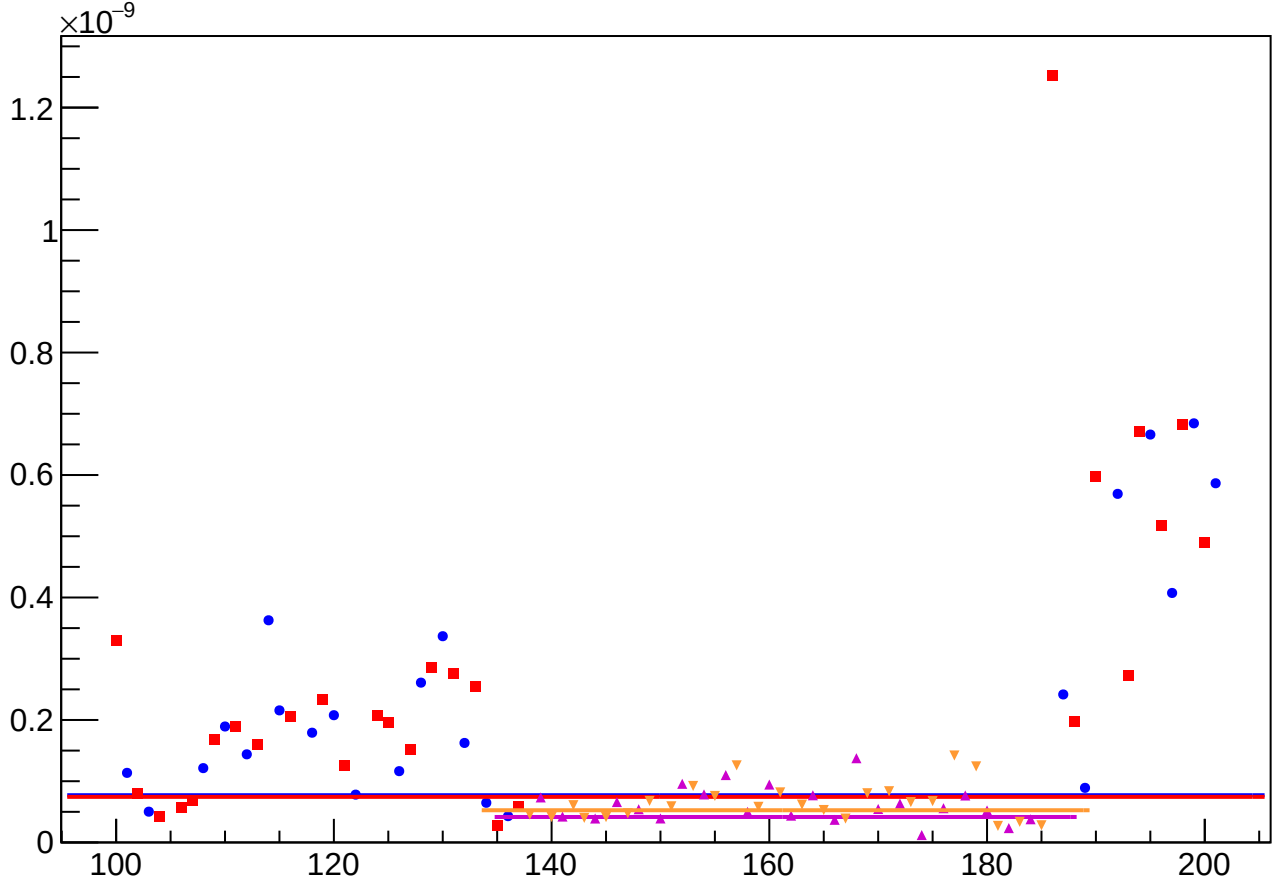
Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.3/47

All: 0.000+/-0.000 χ^2/NDF: 100.1/97

- sign 0.000+/-0.000 χ^2/NDF: 46.8/49

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4674374.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5772501.7/26

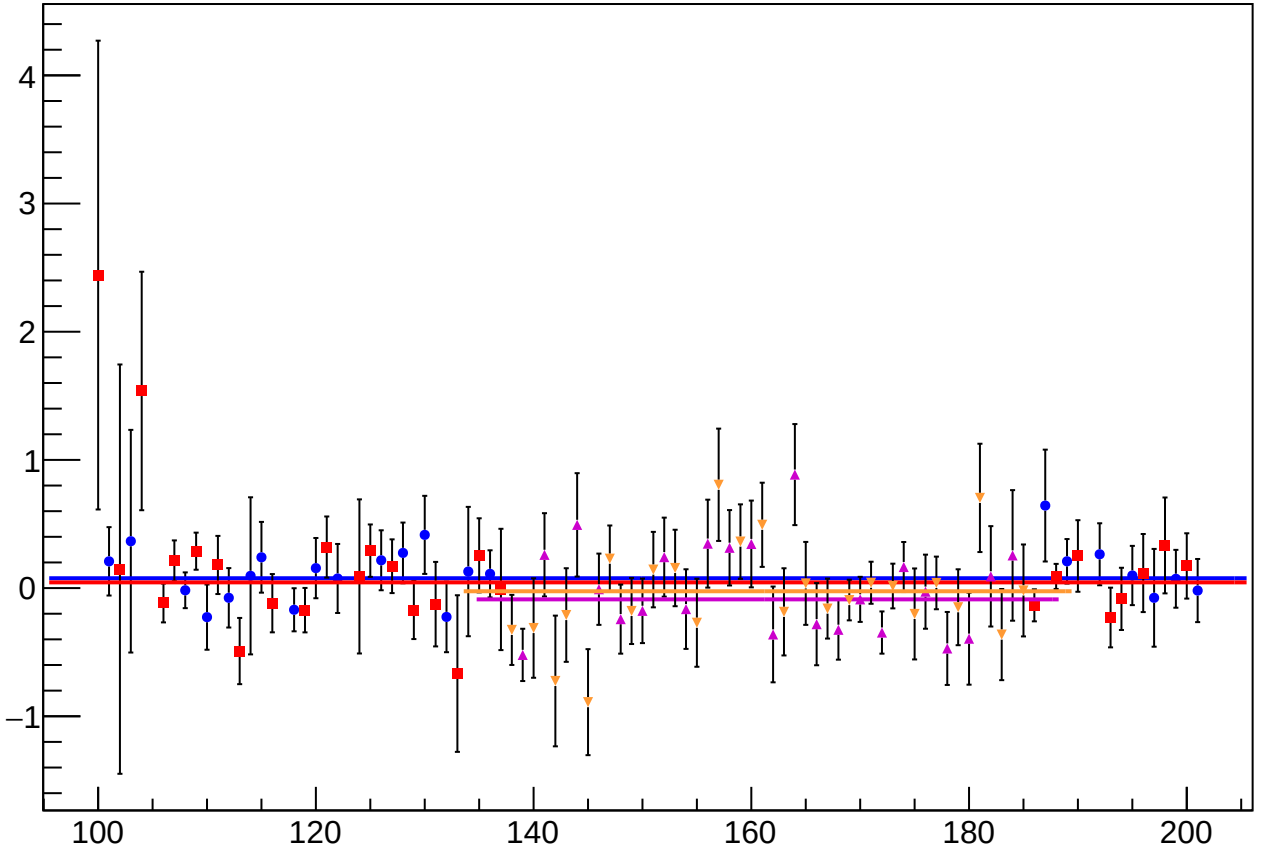
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6725077.6/47

All: 0.000+/-0.000 χ^2/NDF: 16542237.7/97

- sign 0.000+/-0.000 χ^2/NDF: 9503338.0/49

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: 0.045+/-0.041 χ^2/NDF: 27.7/26

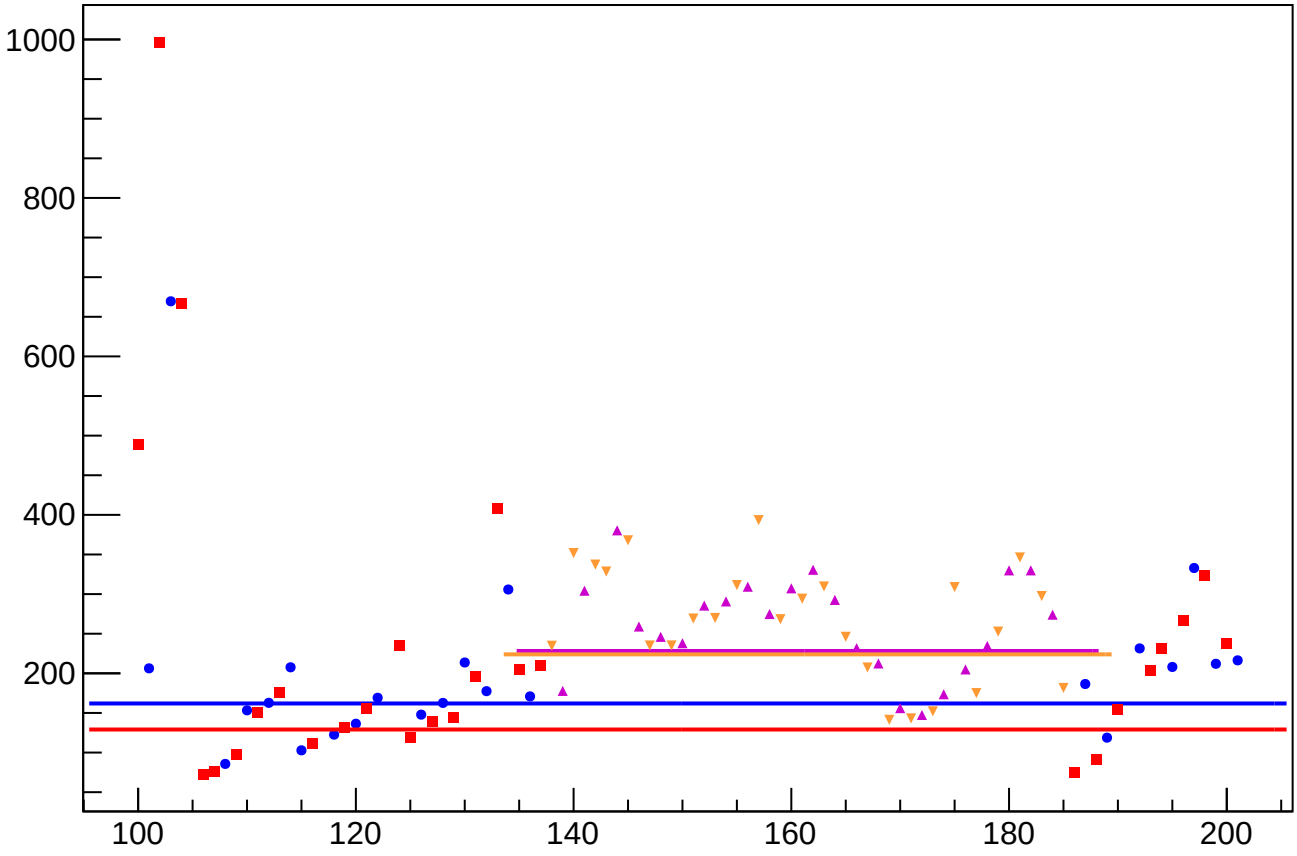
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.030+/-0.037 χ^2/NDF: 37.9/47

All: 0.013+/-0.025 χ^2/NDF: 99.7/97

- sign -0.001+/-0.033 χ^2/NDF: 61.3/49

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: 129.099+/-0.029 χ^2/NDF: 5412696.6/26

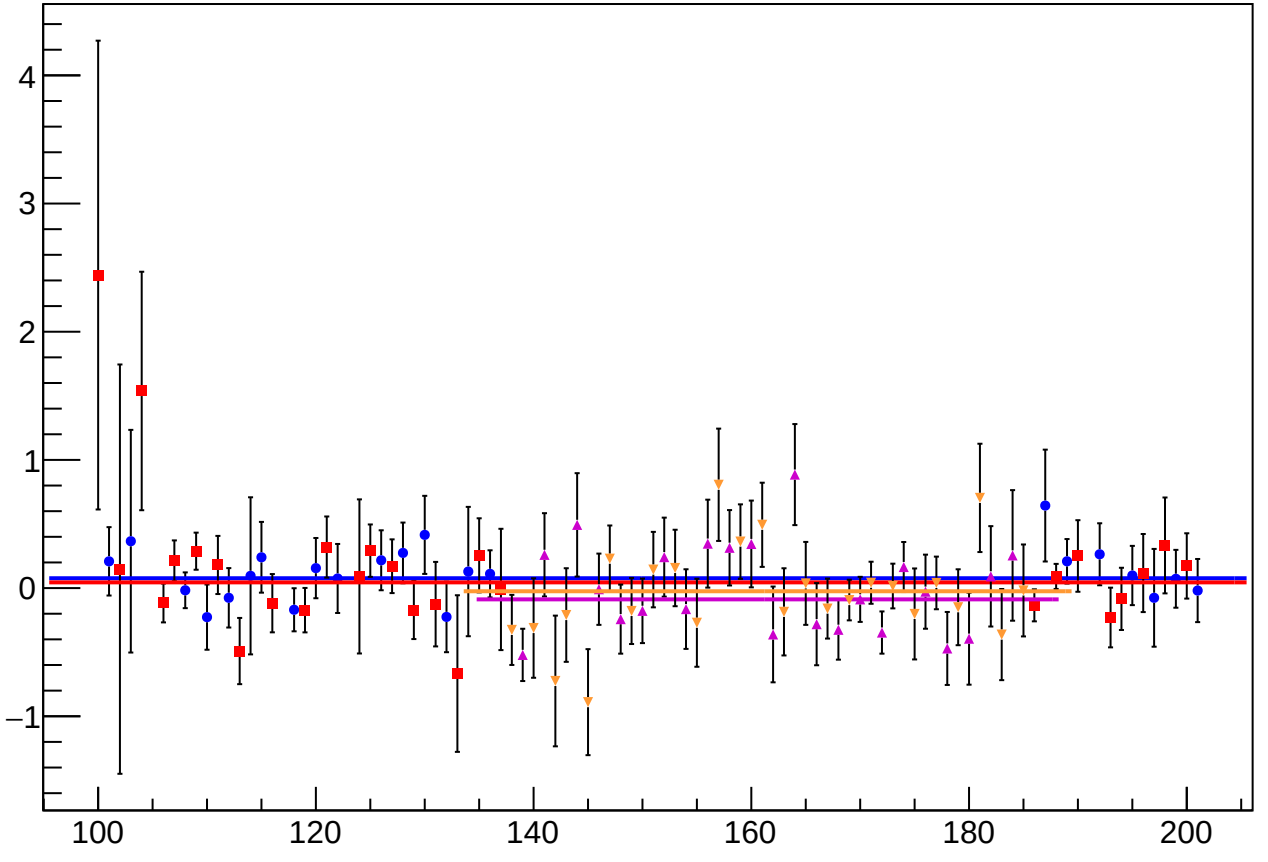
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 190.430+/-0.026 χ^2/NDF: 7619466.1/47

All: 175.608+/-0.018 χ^2/NDF: 20095738.6/97

- sign 163.536+/-0.024 χ^2/NDF: 11894143.2/49

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: 0.045+/-0.041 χ^2/NDF: 27.7/26

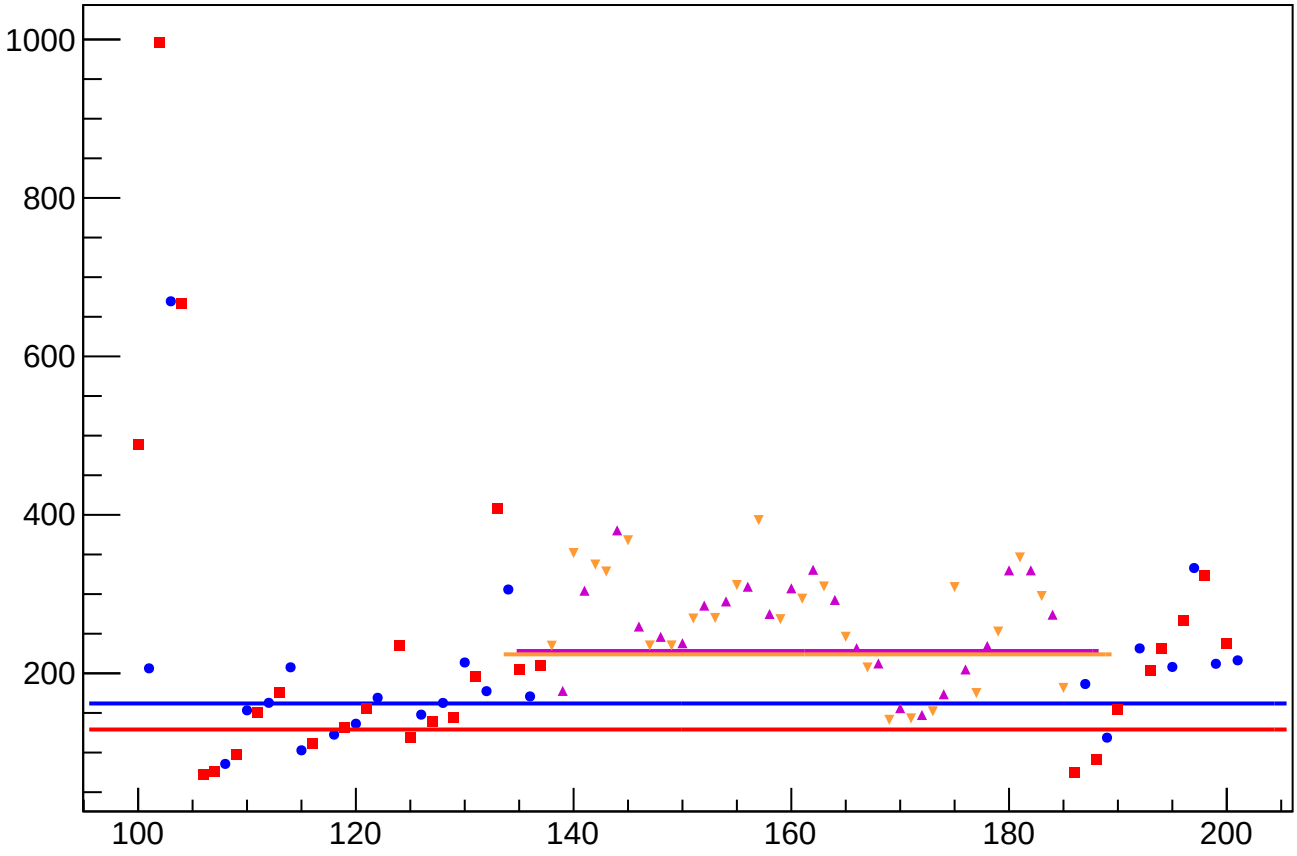
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.030+/-0.037 χ^2/NDF: 37.9/47

All: 0.013+/-0.025 χ^2/NDF: 99.7/97

- sign -0.001+/-0.033 χ^2/NDF: 61.3/49

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

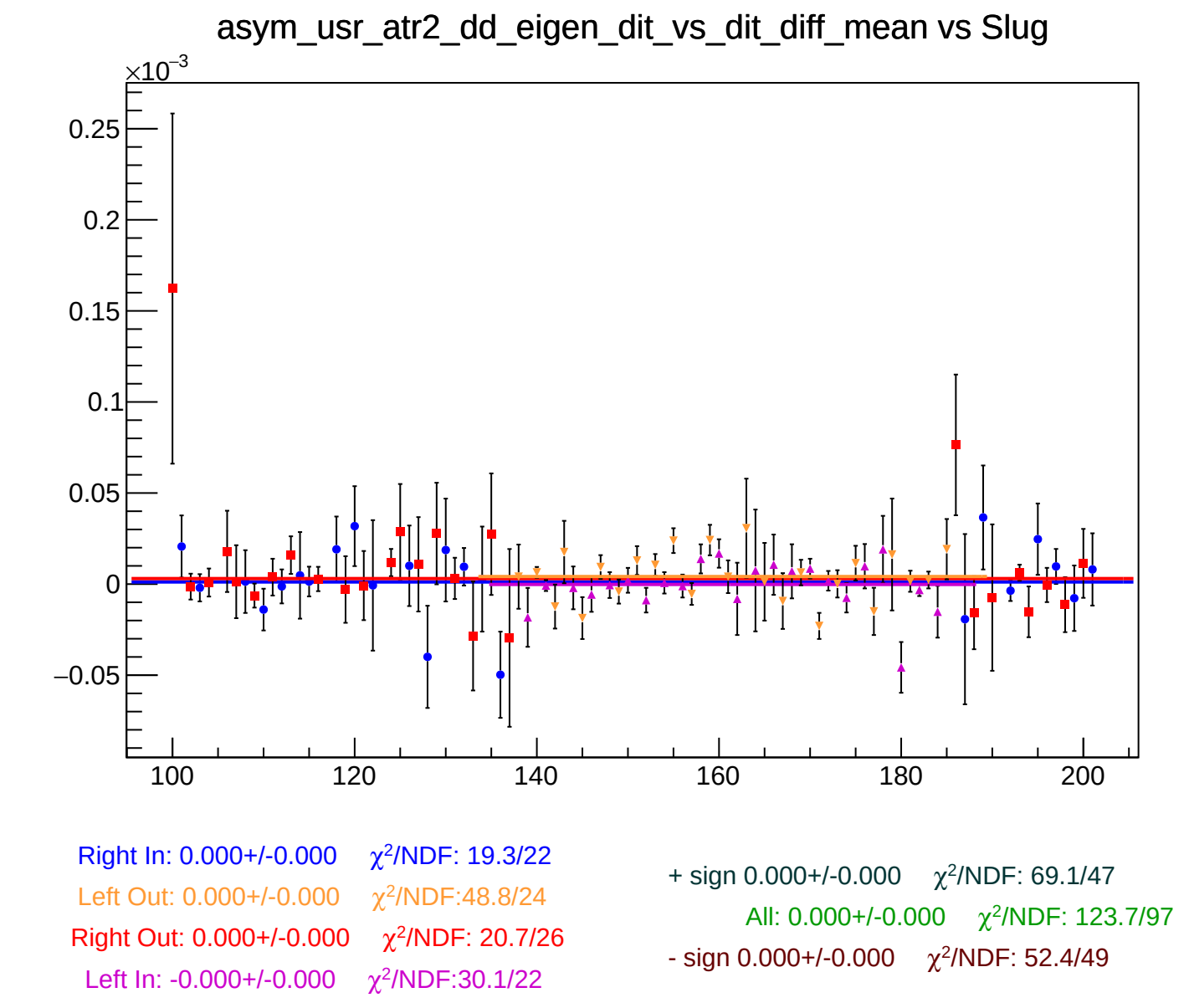
Right Out: 129.099+/-0.029 χ^2/NDF: 5412696.6/26

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 190.430+/-0.026 χ^2/NDF: 7619466.1/47

All: 175.608+/-0.018 χ^2/NDF: 20095738.6/97

- sign 163.536+/-0.024 χ^2/NDF: 11894143.2/49


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
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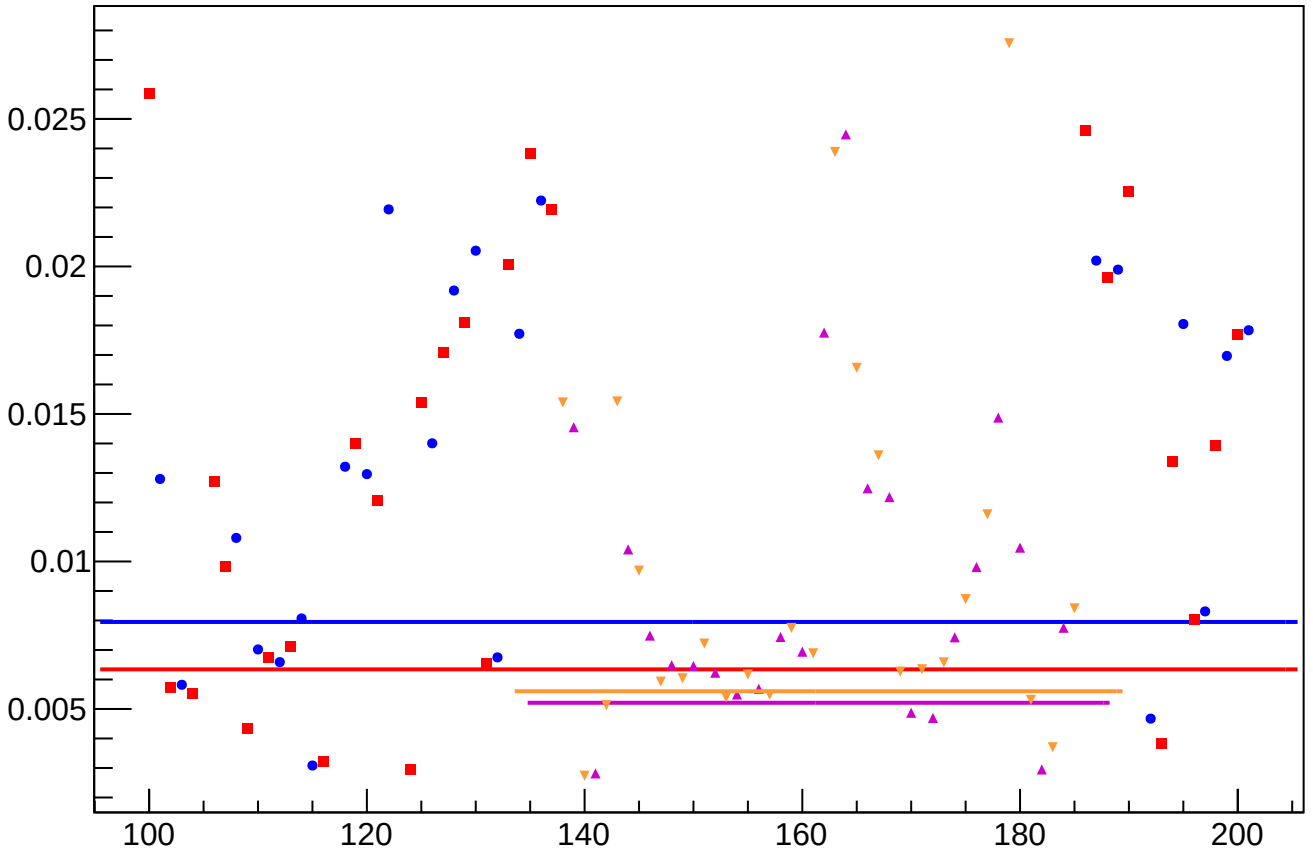
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.3/22
Left Out: 0.000+/-0.000 χ²/NDF:48.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.7/26
Left In: -0.000+/-0.000 χ²/NDF:30.1/22
+ sign 0.000+/-0.000 χ²/NDF: 69.1/47
All: 0.000+/-0.000 χ²/NDF: 123.7/97
- sign 0.000+/-0.000 χ²/NDF: 52.4/49



Right In: 0.008+/-0.000 χ^2/NDF: 6269692.0/22

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

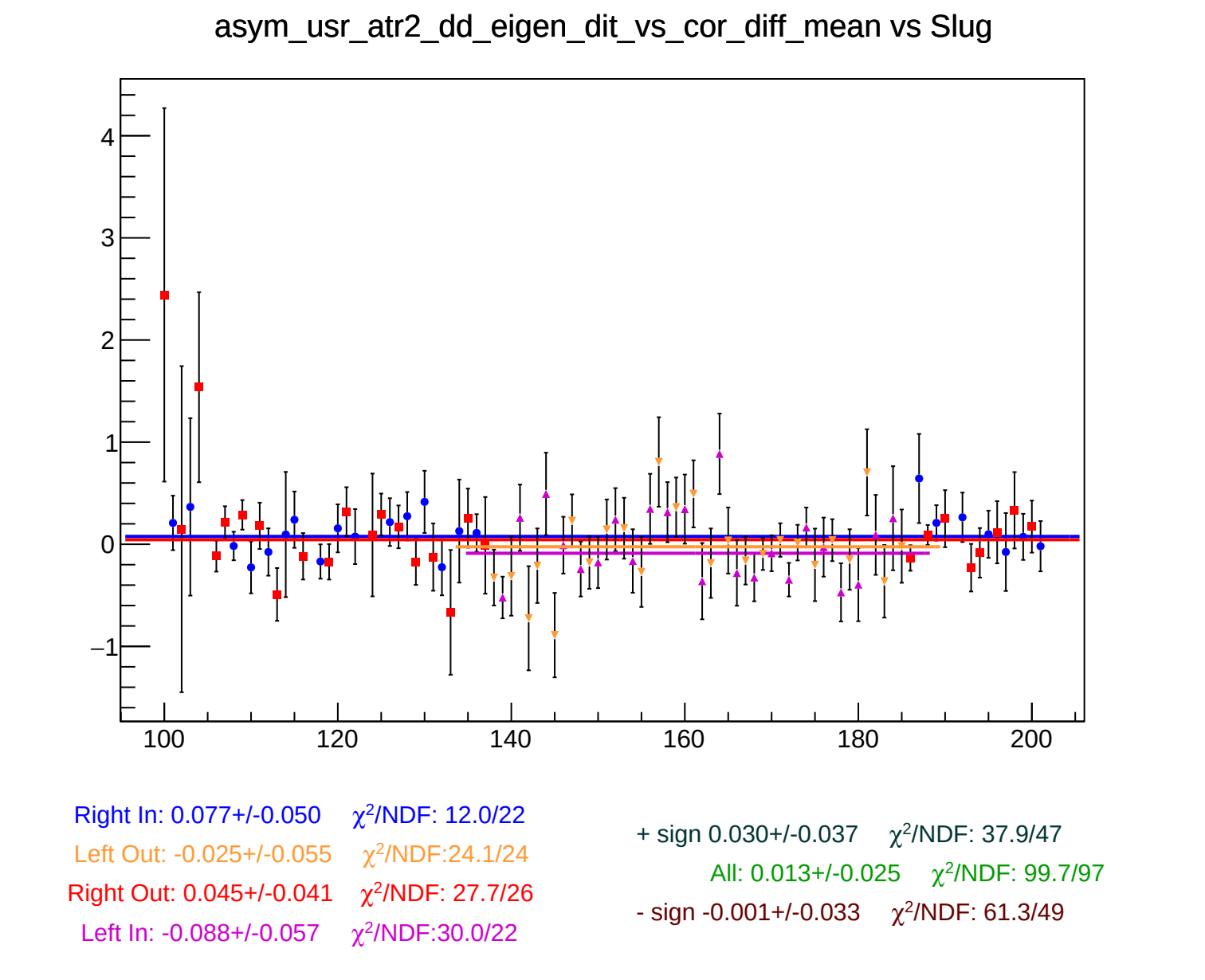
Right Out: 0.006+/-0.000 χ^2/NDF: 8136060.9/26

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: 31392538.6/97

- sign 0.006+/-0.000 χ^2/NDF: 15989072.2/49


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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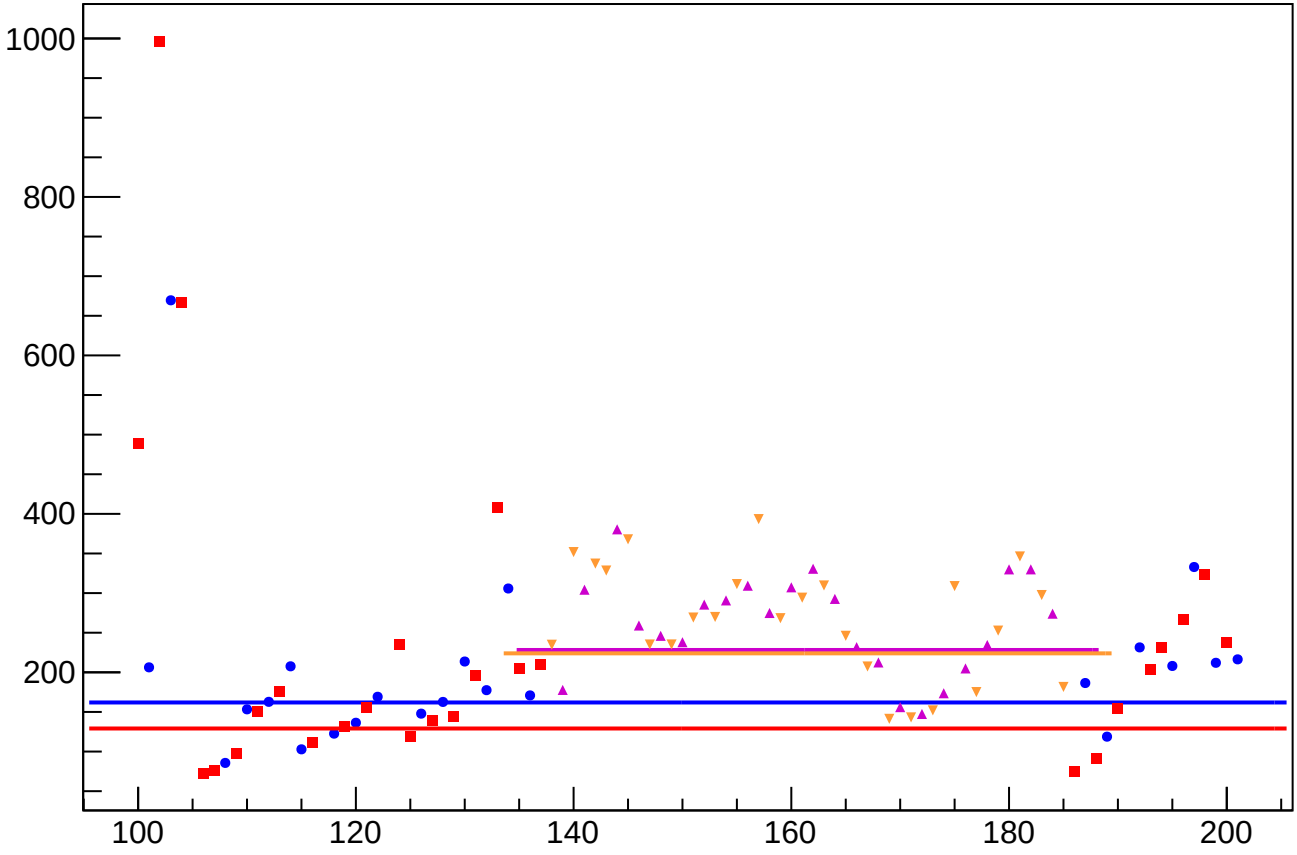
Right In: 0.077+/-0.050 χ²/NDF: 12.0/22
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.045+/-0.041 χ²/NDF: 27.7/26
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.030+/-0.037 χ²/NDF: 37.9/47
All: 0.013+/-0.025 χ²/NDF: 99.7/97
- sign -0.001+/-0.033 χ²/NDF: 61.3/49

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

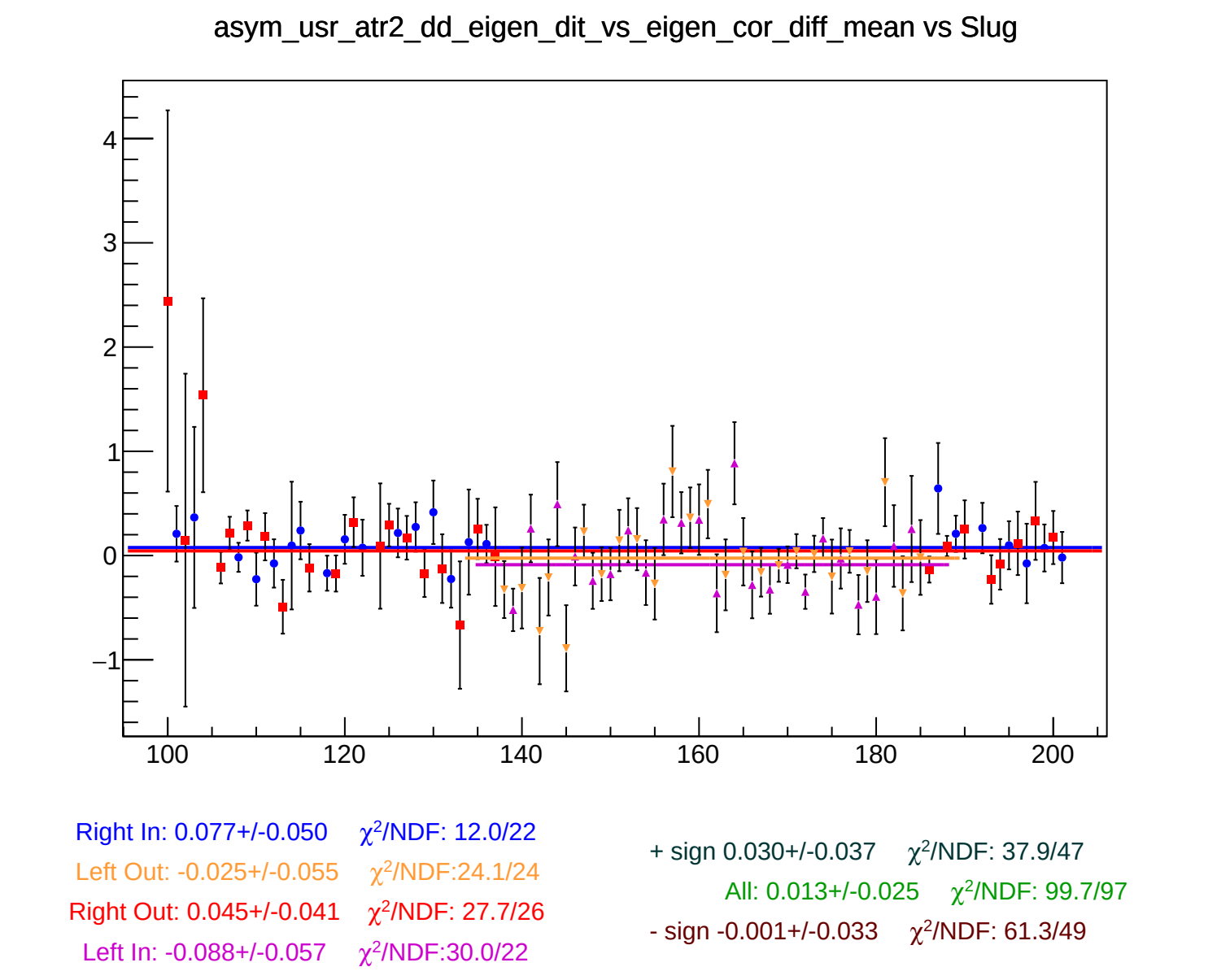
Right Out: 129.104+/-0.029 χ^2/NDF: 5412260.7/26

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 190.428+/-0.026 χ^2/NDF: 7619966.2/47

All: 175.610+/-0.018 χ^2/NDF: 20095172.8/97

- sign 163.541+/-0.024 χ^2/NDF: 11893368.7/49


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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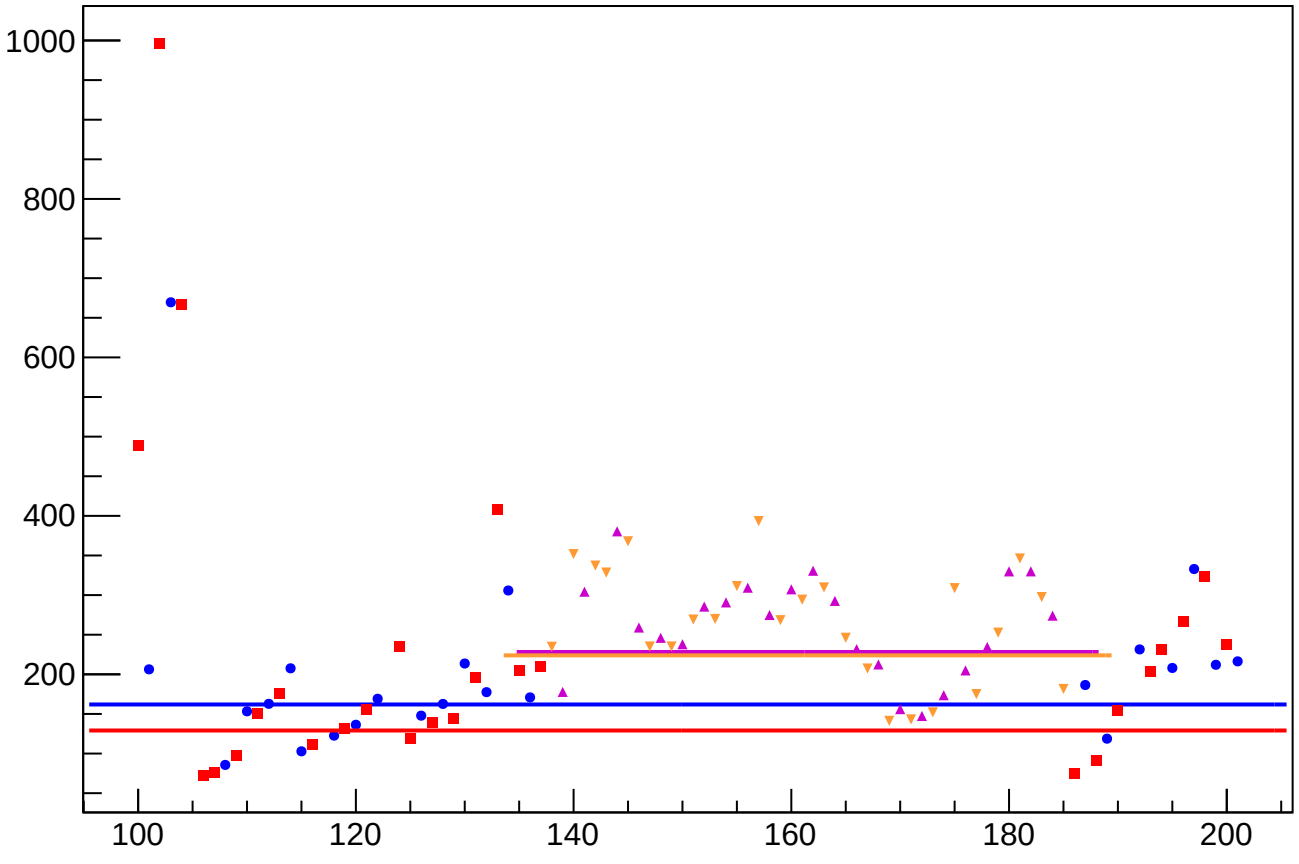
180
200
Right In: 0.077+/-0.050 χ²/NDF: 12.0/22
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.045+/-0.041 χ²/NDF: 27.7/26
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.030+/-0.037 χ²/NDF: 37.9/47
All: 0.013+/-0.025 χ²/NDF: 99.7/97
- sign -0.001+/-0.033 χ²/NDF: 61.3/49



Right In: 161.948+/-0.036 χ^2/NDF: 2787274.7/22

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

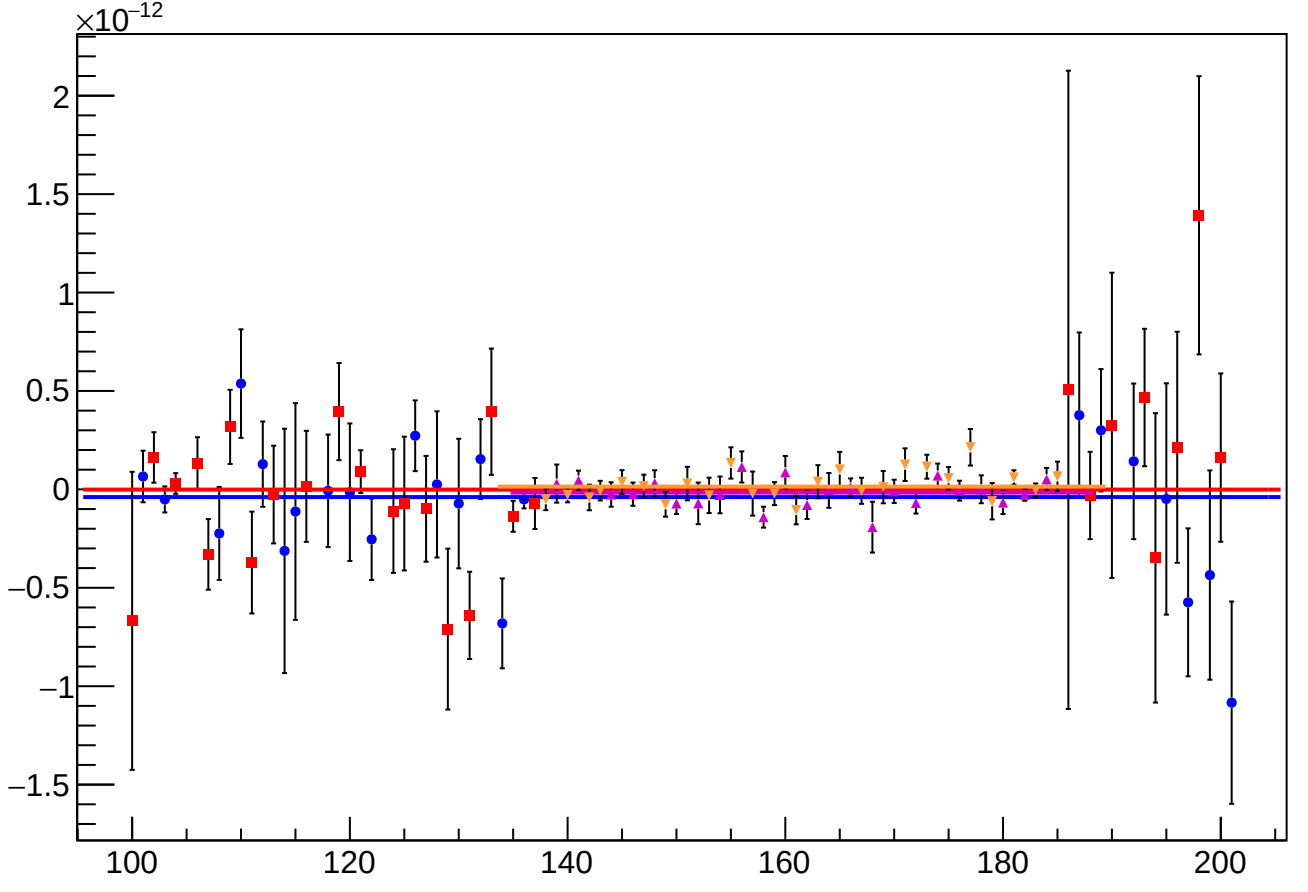
Right Out: 129.104+/-0.029 χ^2/NDF: 5412260.7/26

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 190.428+/-0.026 χ^2/NDF: 7619966.2/47

All: 175.610+/-0.018 χ^2/NDF: 20095172.8/97

- sign 163.541+/-0.024 χ^2/NDF: 11893368.7/49



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

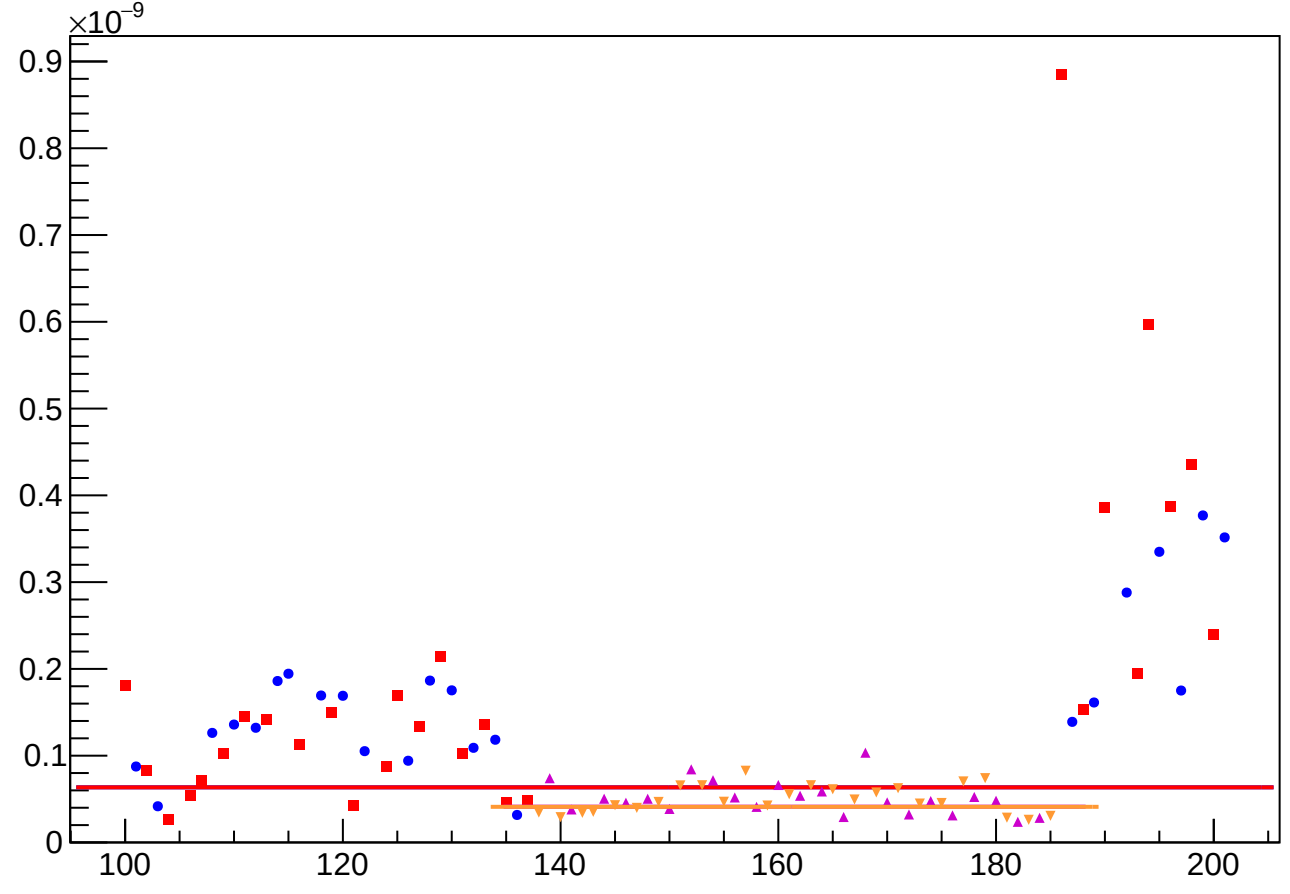
Right Out: -0.000+/-0.000 χ^2/NDF: 38.3/26

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: 118.5/97

- sign -0.000+/-0.000 χ^2/NDF: 60.3/49



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: 6869515.6/26

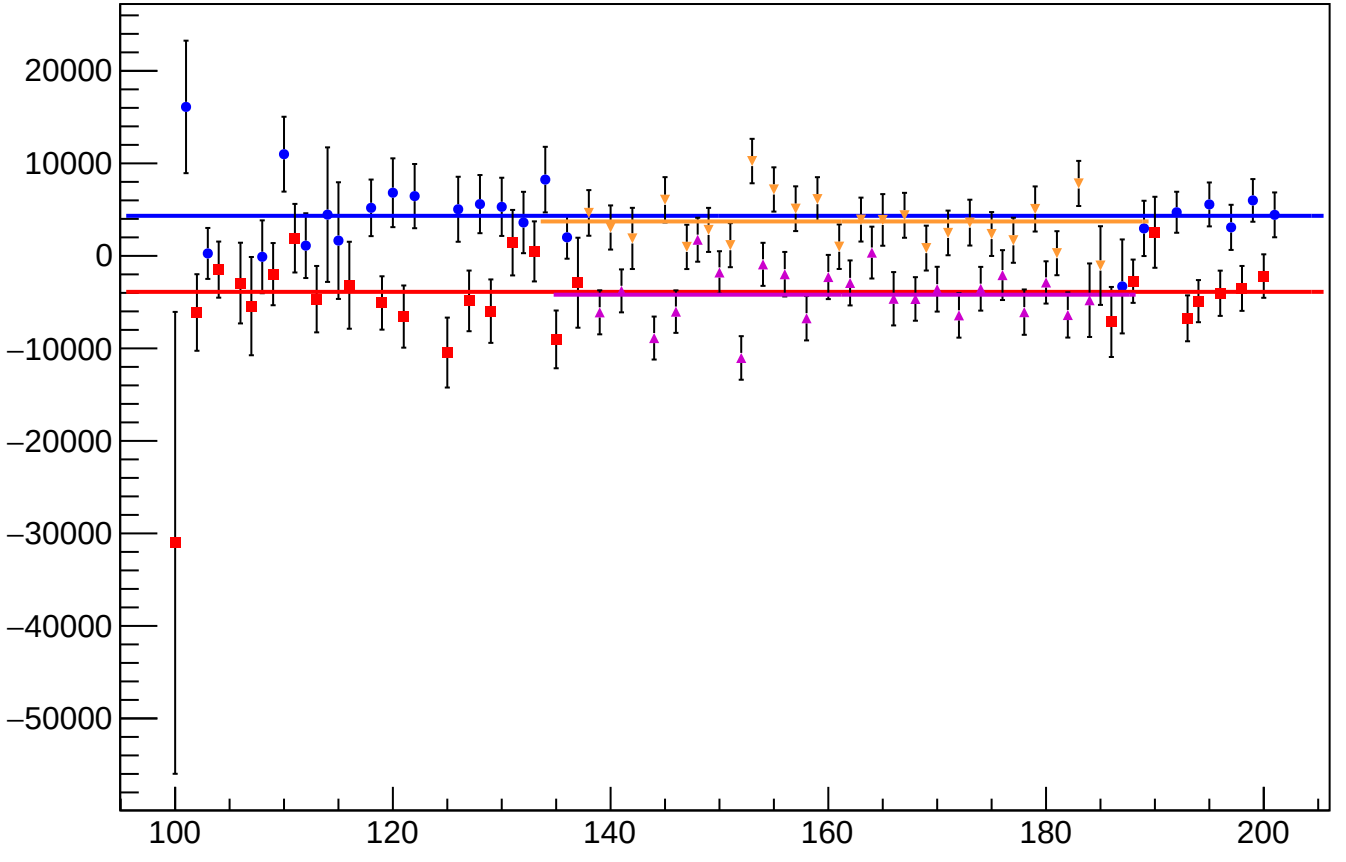
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9568199.9/47

All: 0.000+/-0.000 χ^2/NDF: 20165849.6/97

- sign 0.000+/-0.000 χ^2/NDF: 10597014.9/49

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: -3888.801+/-631.112 χ^2/NDF: 22.0/25

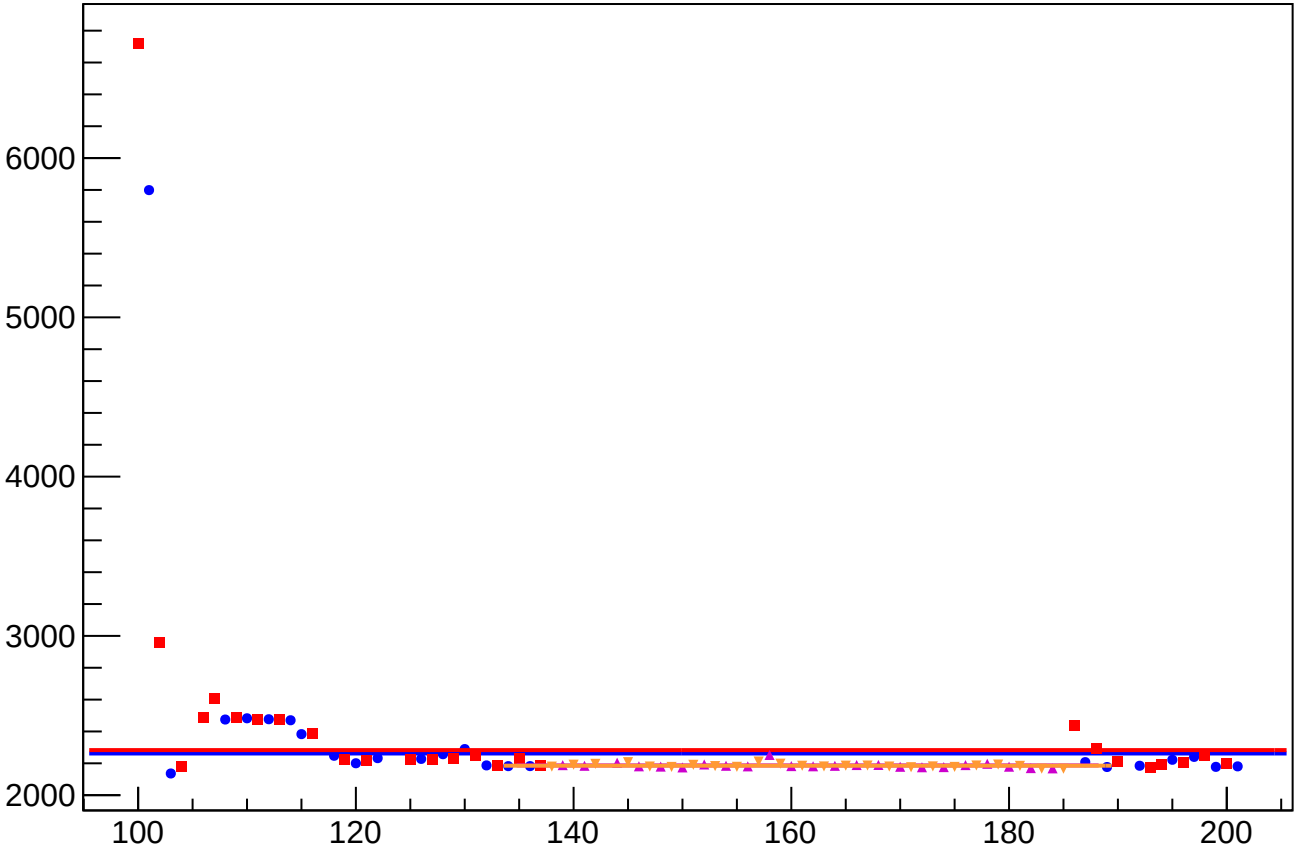
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3953.214+/-399.947 χ^2/NDF: 42.9/46

All: -90.868+/-281.737 χ^2/NDF: 300.2/95

- sign -4074.440+/-396.943 χ^2/NDF: 54.3/48

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

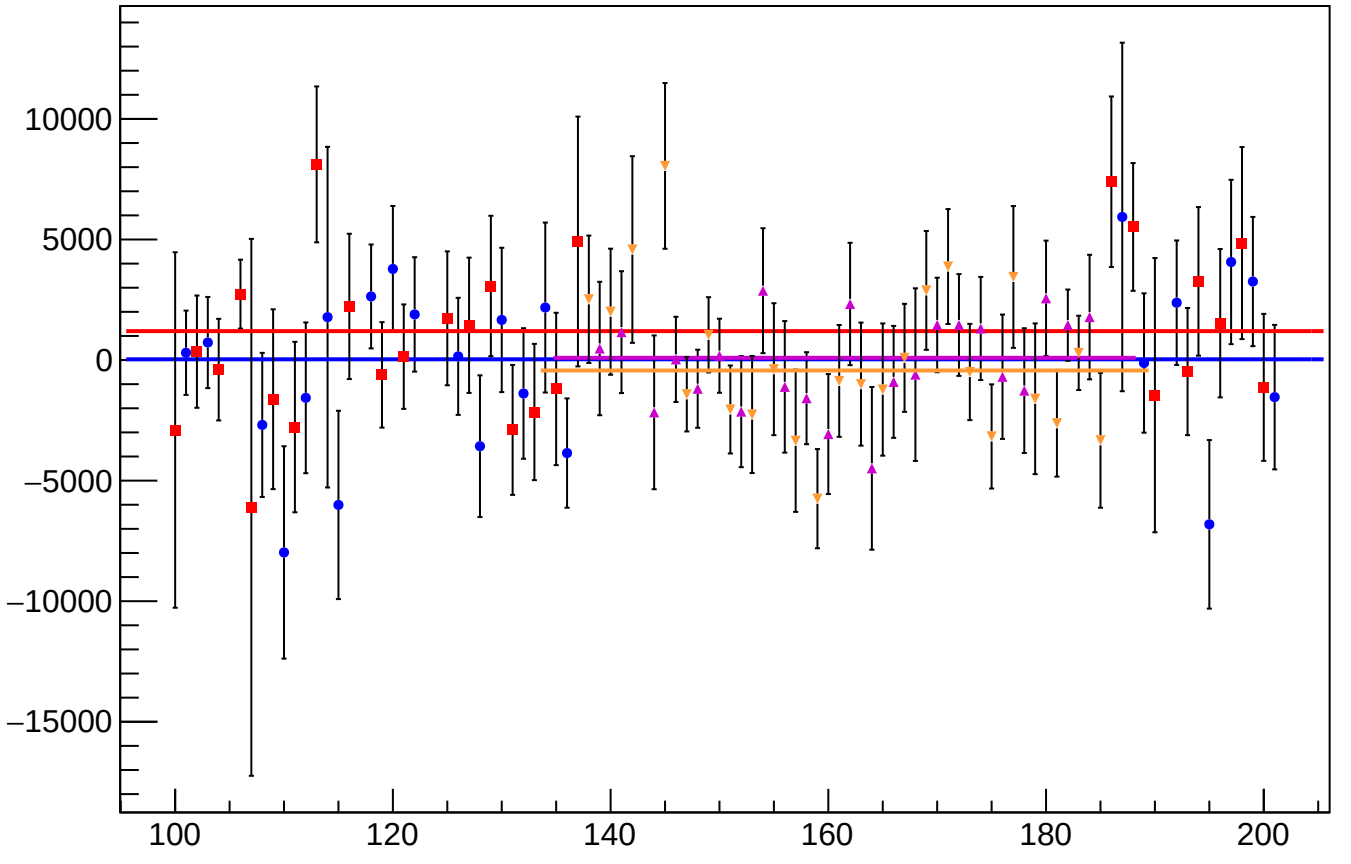
Right Out: 2282.970+/-0.446 χ^2/NDF: 173167.2/25

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2214.099+/-0.283 χ^2/NDF: 547263.0/46

All: 2219.495+/-0.199 χ^2/NDF: 751318.3/95

- sign 2224.811+/-0.281 χ^2/NDF: 203332.4/48



Right In: 31.652+/-575.912 χ^2/NDF: 25.0/22

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

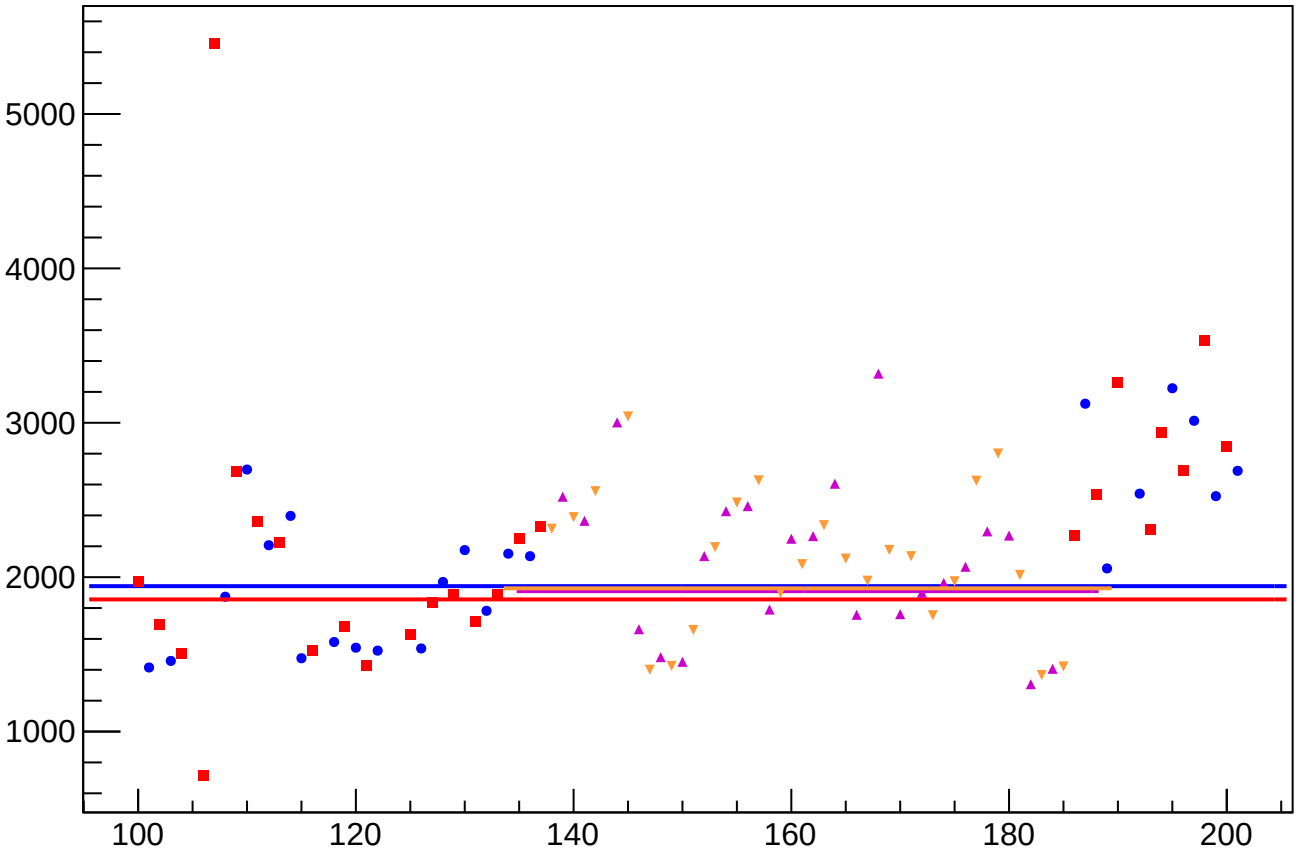
Right Out: 1200.000+/-553.871 χ^2/NDF: 23.6/25

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -250.445+/-360.555 χ^2/NDF: 56.7/46

All: 154.605+/-252.665 χ^2/NDF: 97.8/95

- sign 545.447+/-354.175 χ^2/NDF: 38.7/48



Right In: 1941.751+/-0.407 χ^2/NDF: 1535381.5/22

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

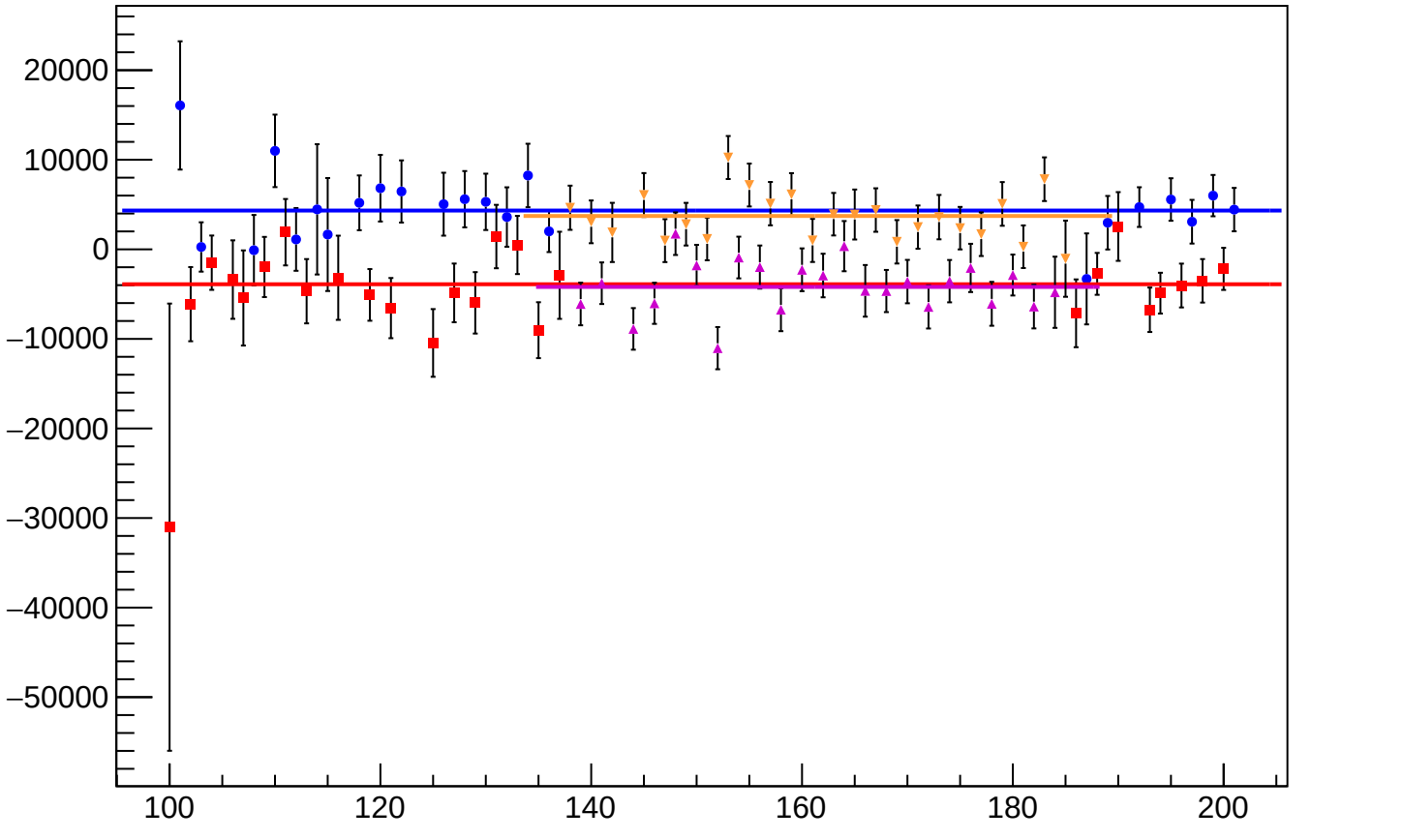
Right Out: 1855.878+/-0.392 χ^2/NDF: 3197899.0/25

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1933.183+/-0.255 χ^2/NDF: 3334492.5/46

All: 1910.005+/-0.179 χ^2/NDF: 8502022.9/95

- sign 1887.640+/-0.250 χ^2/NDF: 5151290.6/48



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: -3898.321+/-631.169 χ^2/NDF: 22.0/25

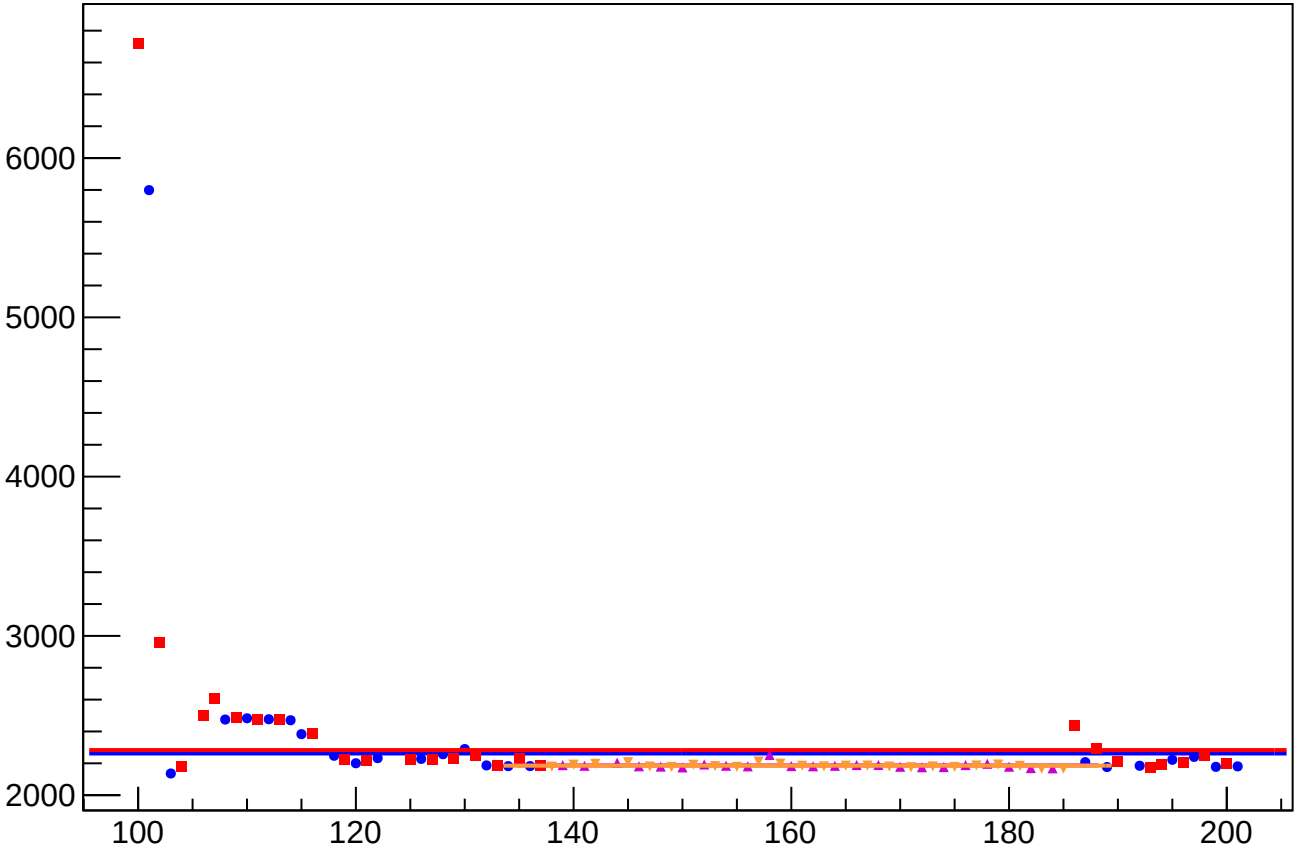
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

\+ sign 3953.083+/-399.947 χ^2/NDF: 42.9/46

All: -92.729+/-281.742 χ^2/NDF: 300.3/95

\- sign -4078.291+/-396.957 χ^2/NDF: 54.2/48

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

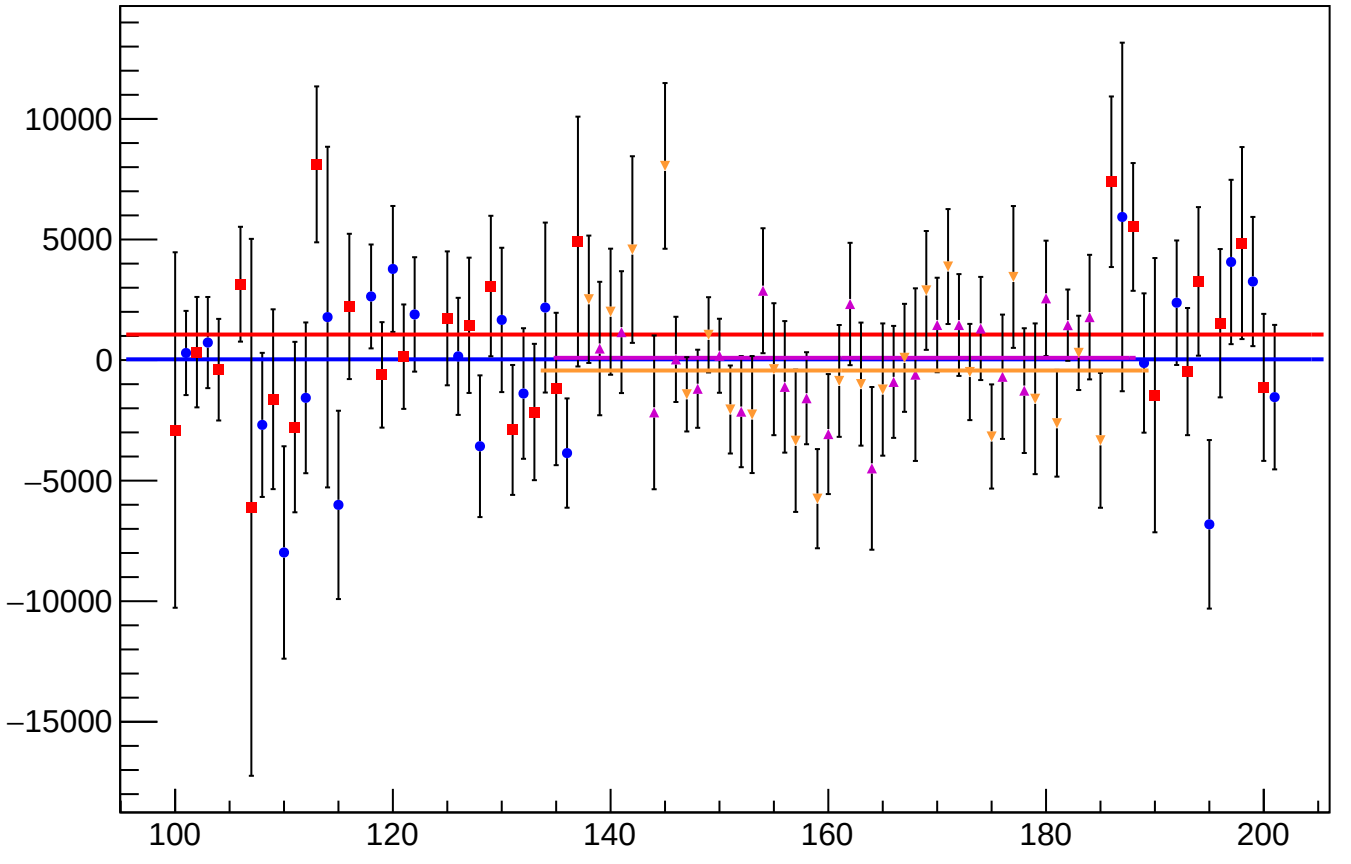
Right Out: 2283.156+/-0.446 χ^2/NDF: 173603.4/25

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2214.099+/-0.283 χ^2/NDF: 547263.4/46

All: 2219.530+/-0.199 χ^2/NDF: 751869.3/95

- sign 2224.880+/-0.281 χ^2/NDF: 203873.8/48



Right In: 30.839+/-575.826 χ^2/NDF: 25.0/22

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

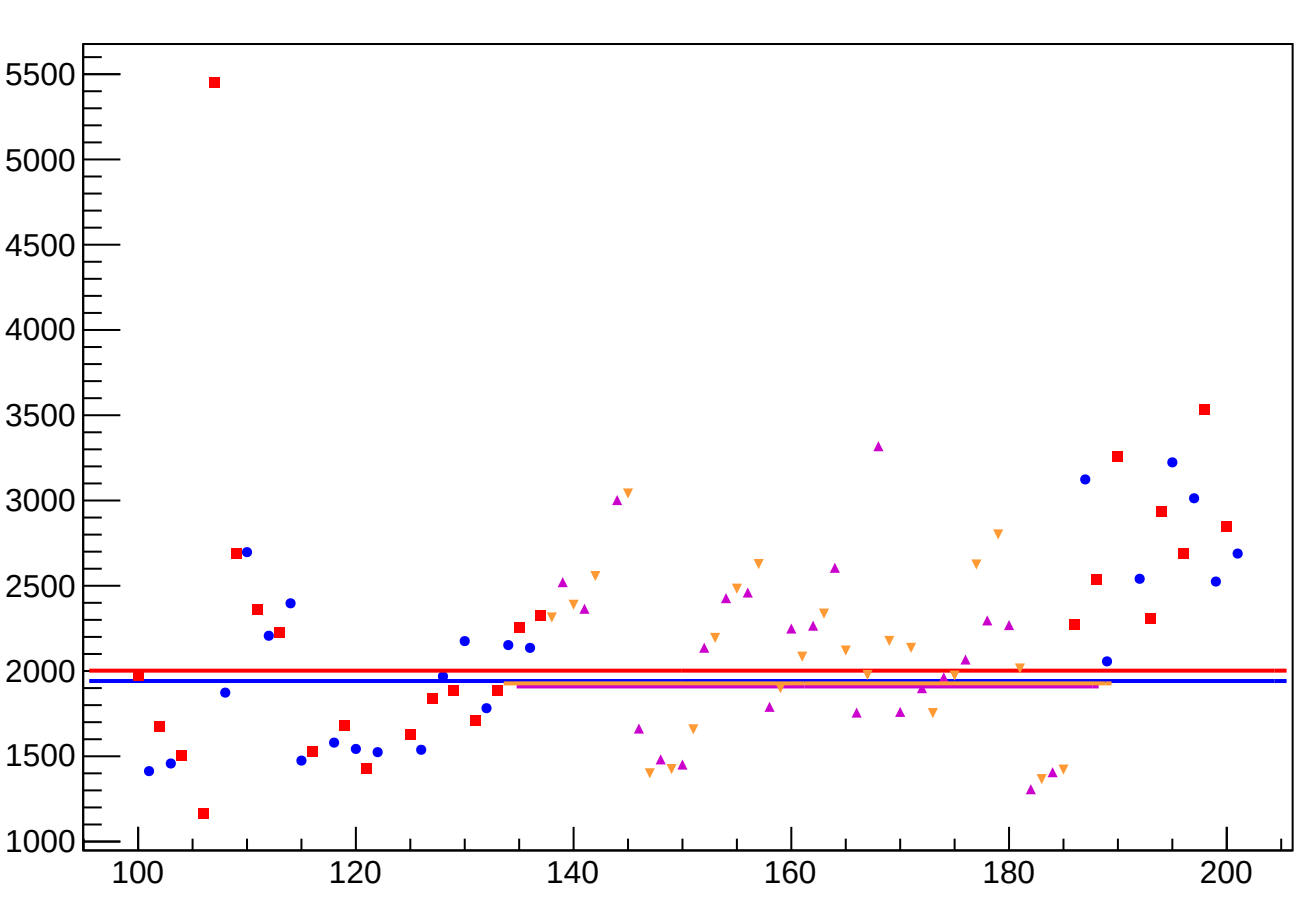
Right Out: 1058.796+/-581.928 χ^2/NDF: 23.0/25

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -250.752+/-360.534 χ^2/NDF: 56.7/46

All: 106.384+/-255.169 χ^2/NDF: 96.1/95

- sign 464.828+/-361.194 χ^2/NDF: 37.5/48



Right In: 1941.390+/-0.407 χ^2/NDF: 1537212.6/22

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

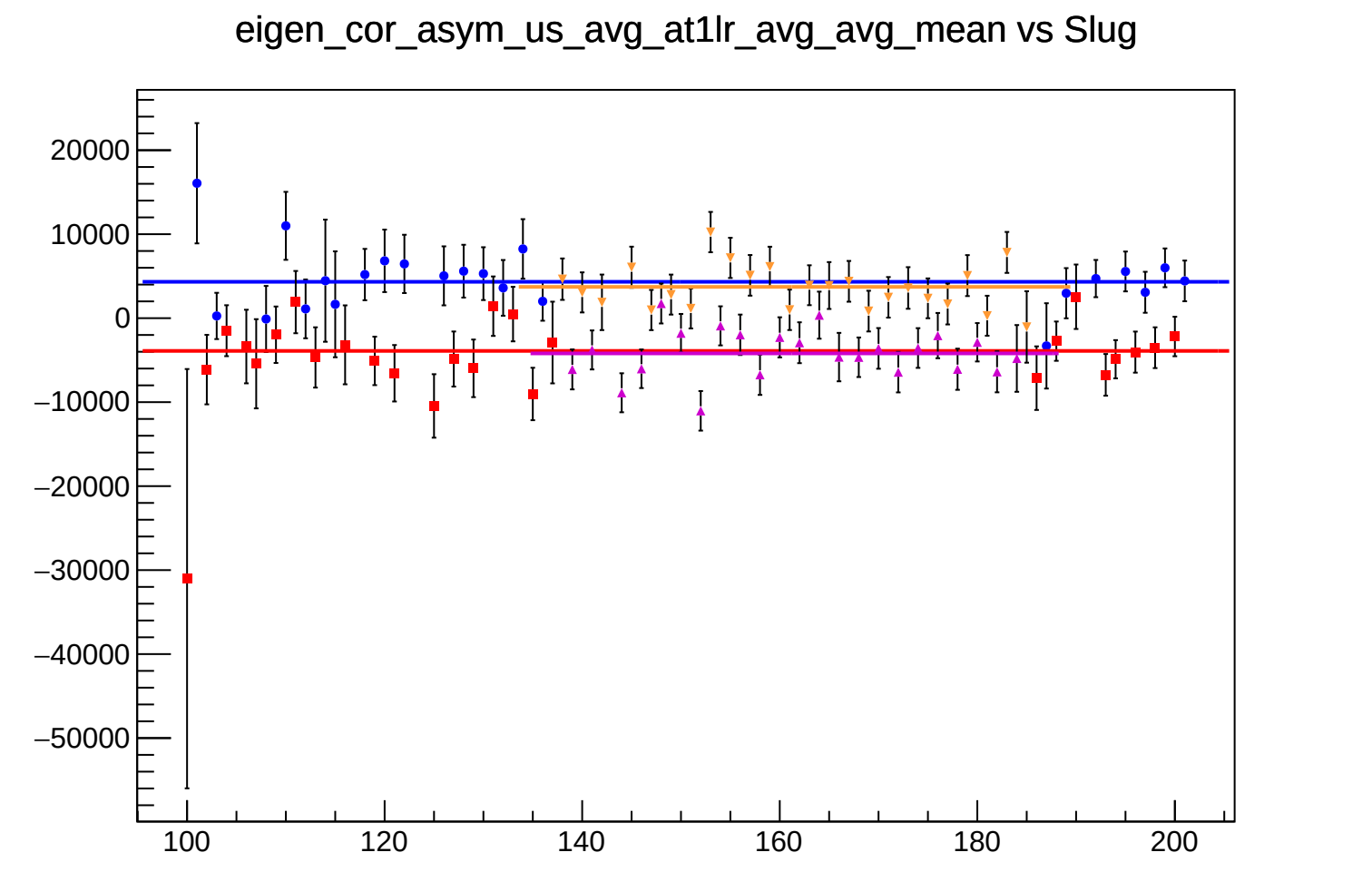
Right Out: 2002.252+/-0.411 χ^2/NDF: 1967528.3/25

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1933.042+/-0.255 χ^2/NDF: 3336311.2/46

All: 1939.162+/-0.180 χ^2/NDF: 7278436.6/95

- sign 1945.305+/-0.255 χ^2/NDF: 3940970.6/48



Right In: 4330.818+/-650.430 χ^2/NDF: 16.9/22

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

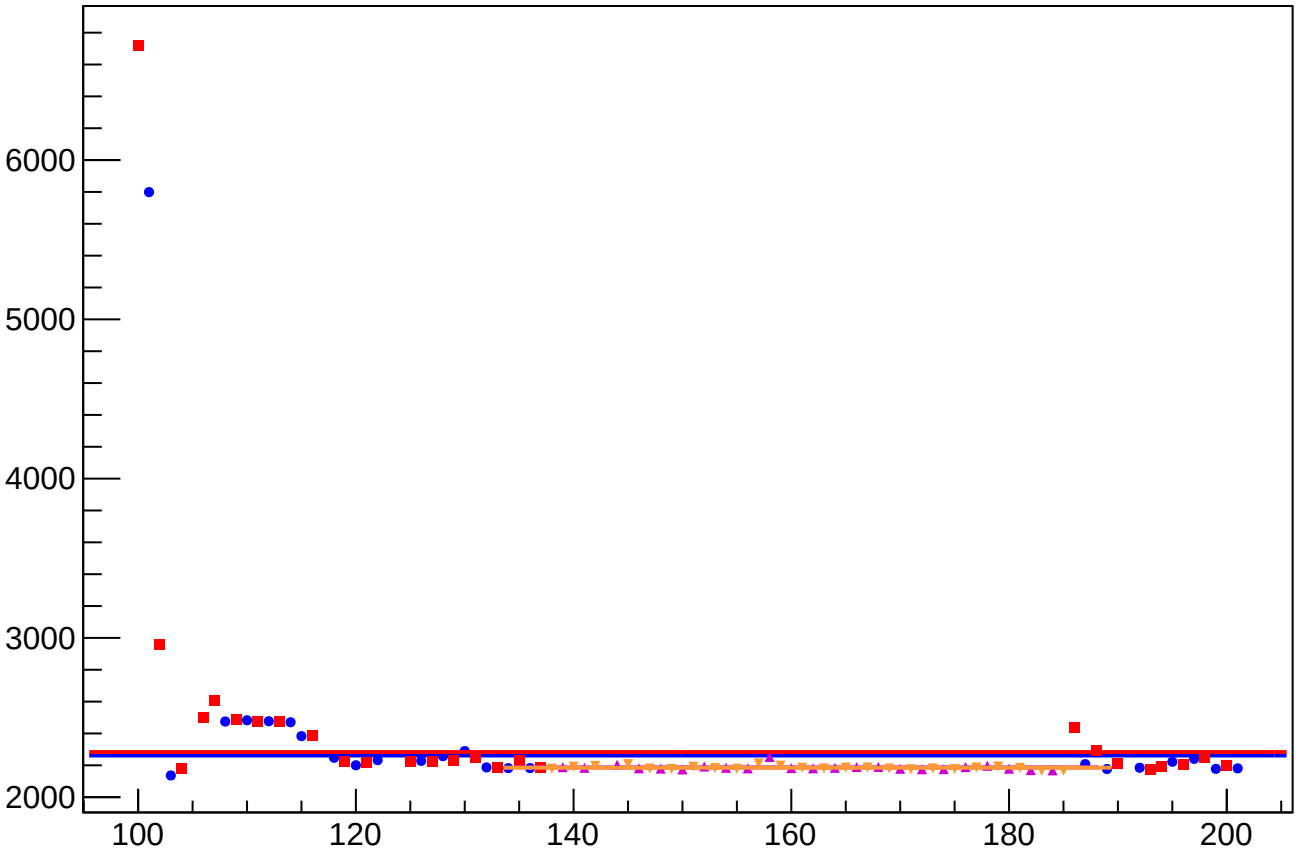
Right Out: -3898.321+/-631.169 χ^2/NDF: 22.0/25

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

\+ sign 3953.083+/-399.947 χ^2/NDF: 42.9/46

All: -92.729+/-281.742 χ^2/NDF: 300.3/95

\- sign -4078.291+/-396.957 χ^2/NDF: 54.2/48



Right In: 2261.743+/-0.460 χ^2/NDF: 529193.1/22

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

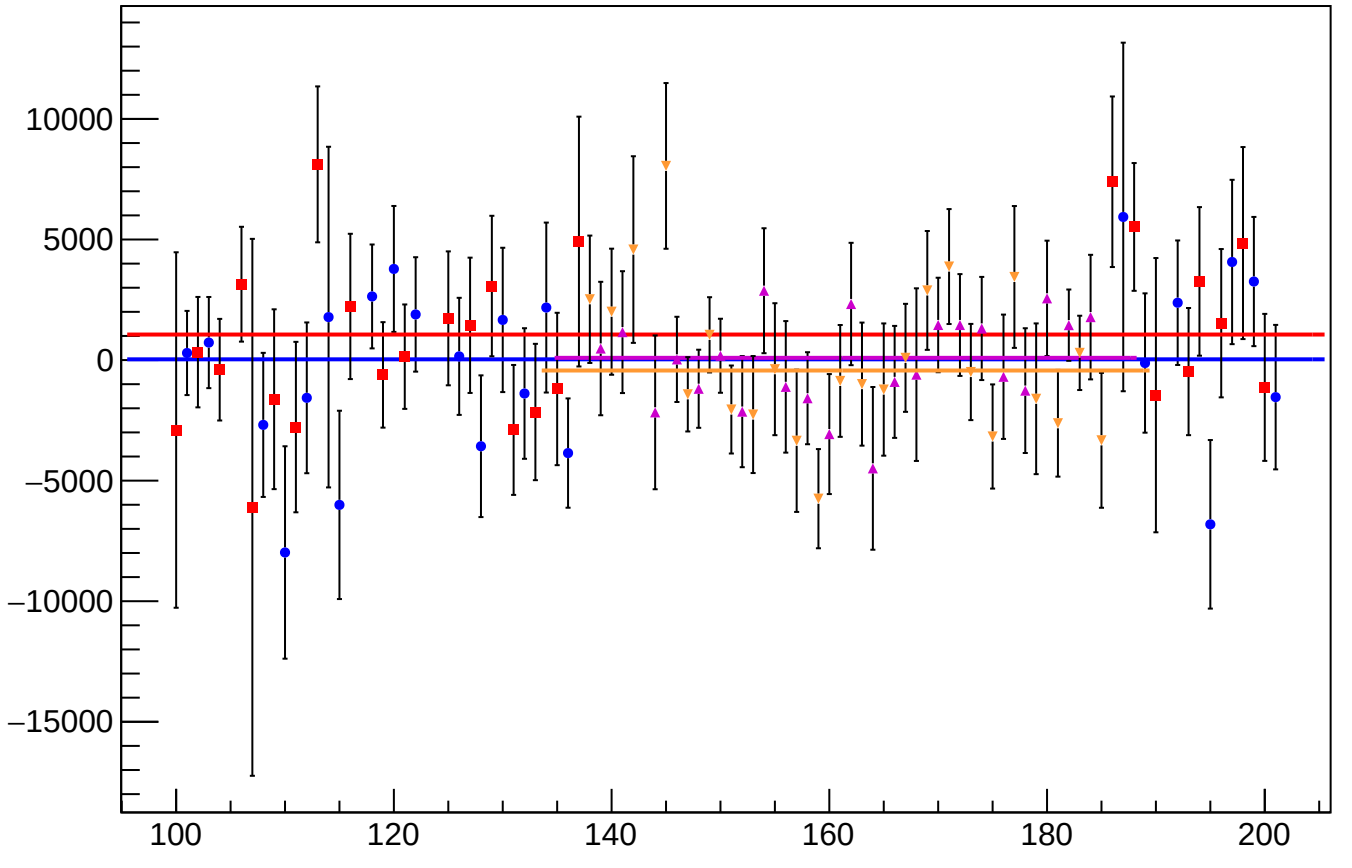
Right Out: 2283.156+/-0.446 χ^2/NDF: 173603.4/25

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2214.099+/-0.283 χ^2/NDF: 547263.4/46

All: 2219.530+/-0.199 χ^2/NDF: 751869.3/95

- sign 2224.880+/-0.281 χ^2/NDF: 203873.8/48



Right In: 30.839+/-575.826 χ^2/NDF: 25.0/22

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

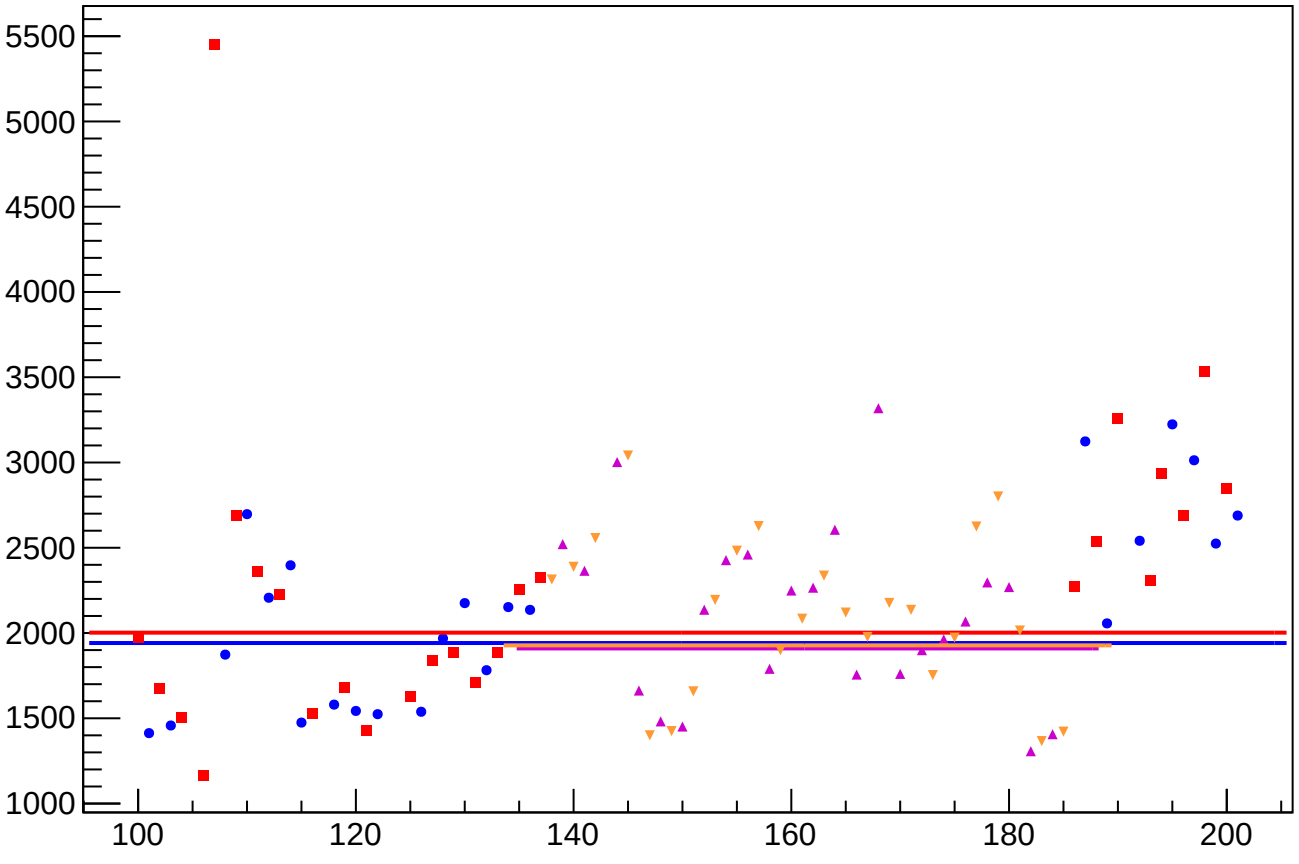
Right Out: 1058.796+/-581.928 χ^2/NDF: 23.0/25

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -250.752+/-360.534 χ^2/NDF: 56.7/46

All: 106.384+/-255.169 χ^2/NDF: 96.1/95

- sign 464.828+/-361.194 χ^2/NDF: 37.5/48



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: 2002.252+/-0.411 χ^2/NDF: 1967528.3/25

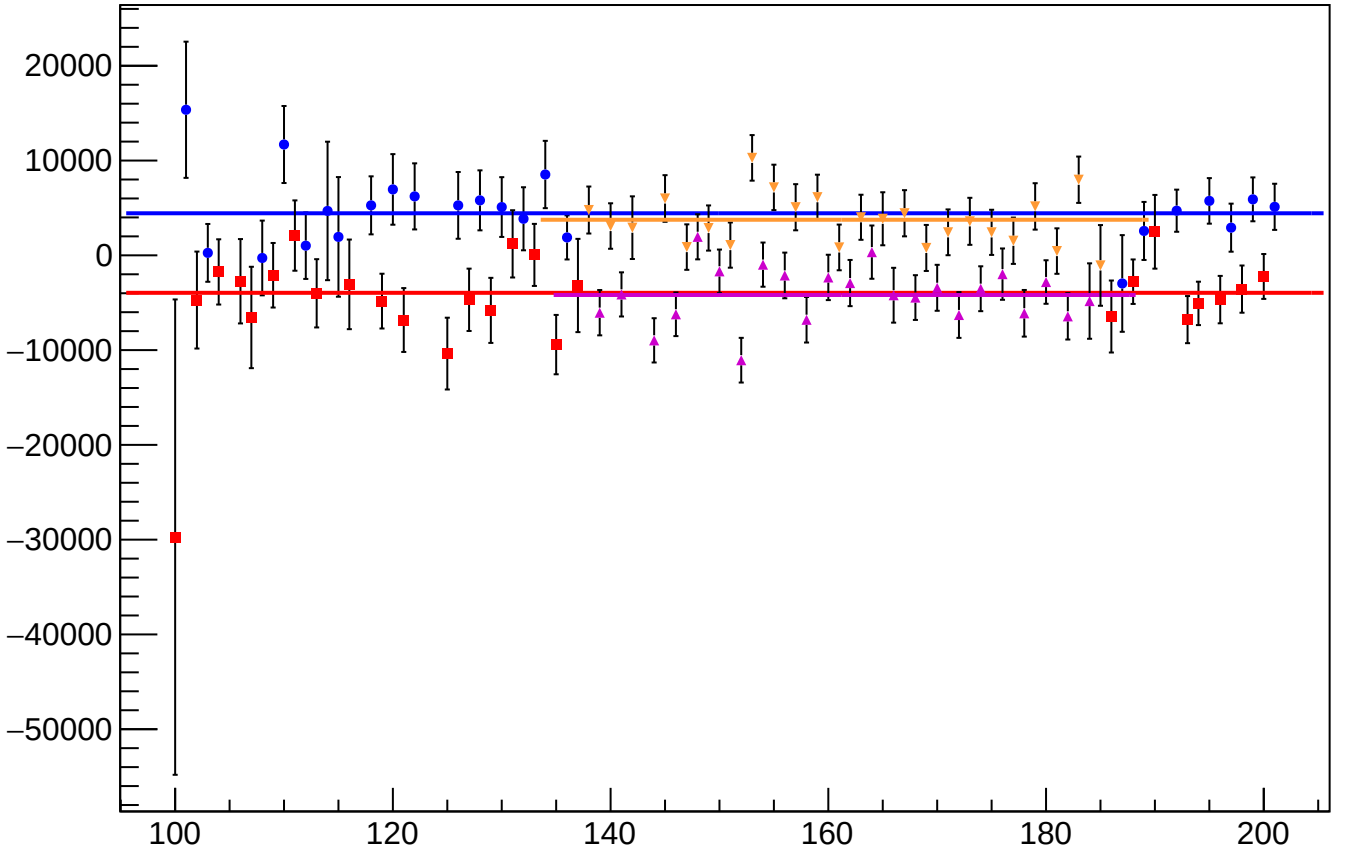
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1933.042+/-0.255 χ^2/NDF: 3336311.2/46

All: 1939.162+/-0.180 χ^2/NDF: 7278436.6/95

- sign 1945.305+/-0.255 χ^2/NDF: 3940970.6/48

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: -3955.248+/-641.460 χ^2/NDF: 21.1/25

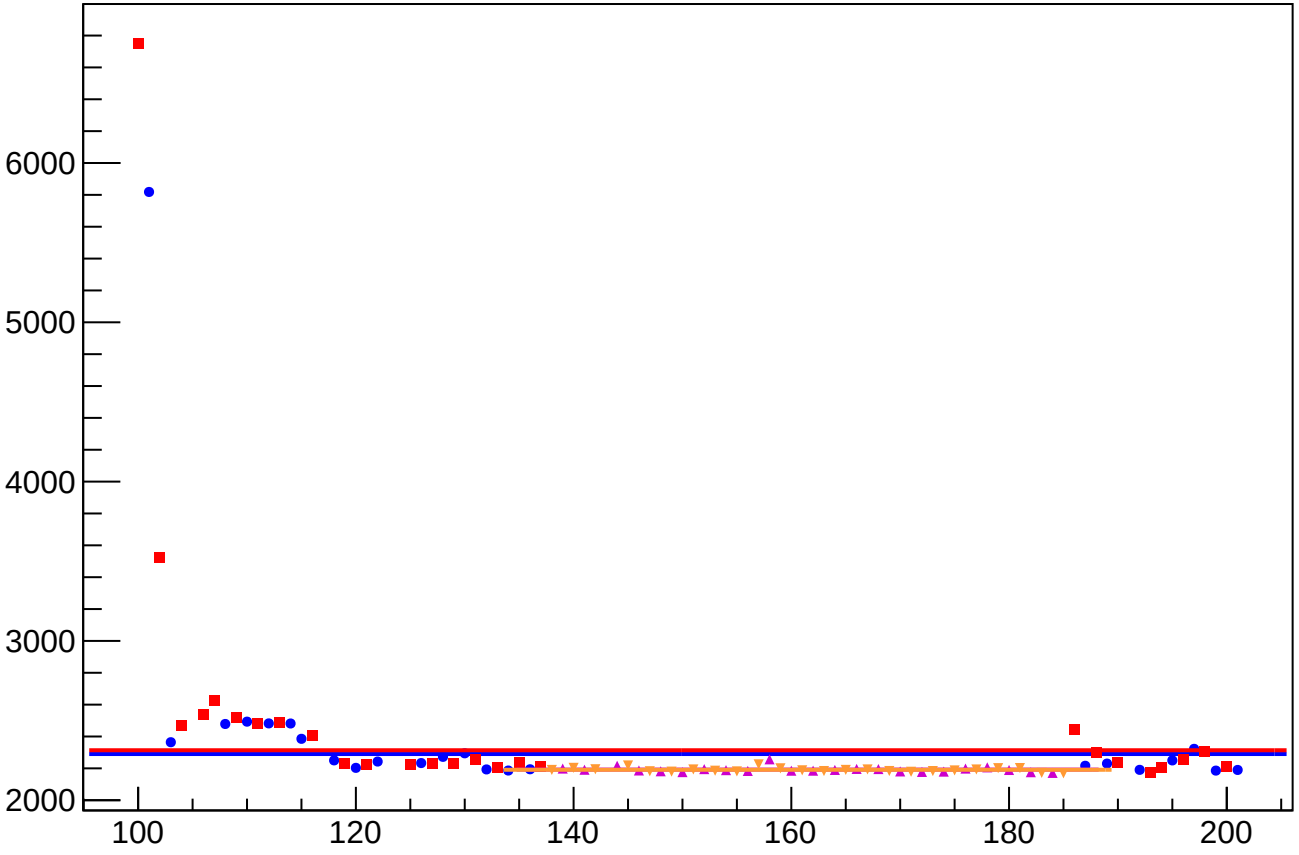
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4009.319+/-402.532 χ^2/NDF: 43.5/46

All: -67.521+/-283.768 χ^2/NDF: 301.3/95

- sign -4095.138+/-400.095 χ^2/NDF: 53.8/48

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

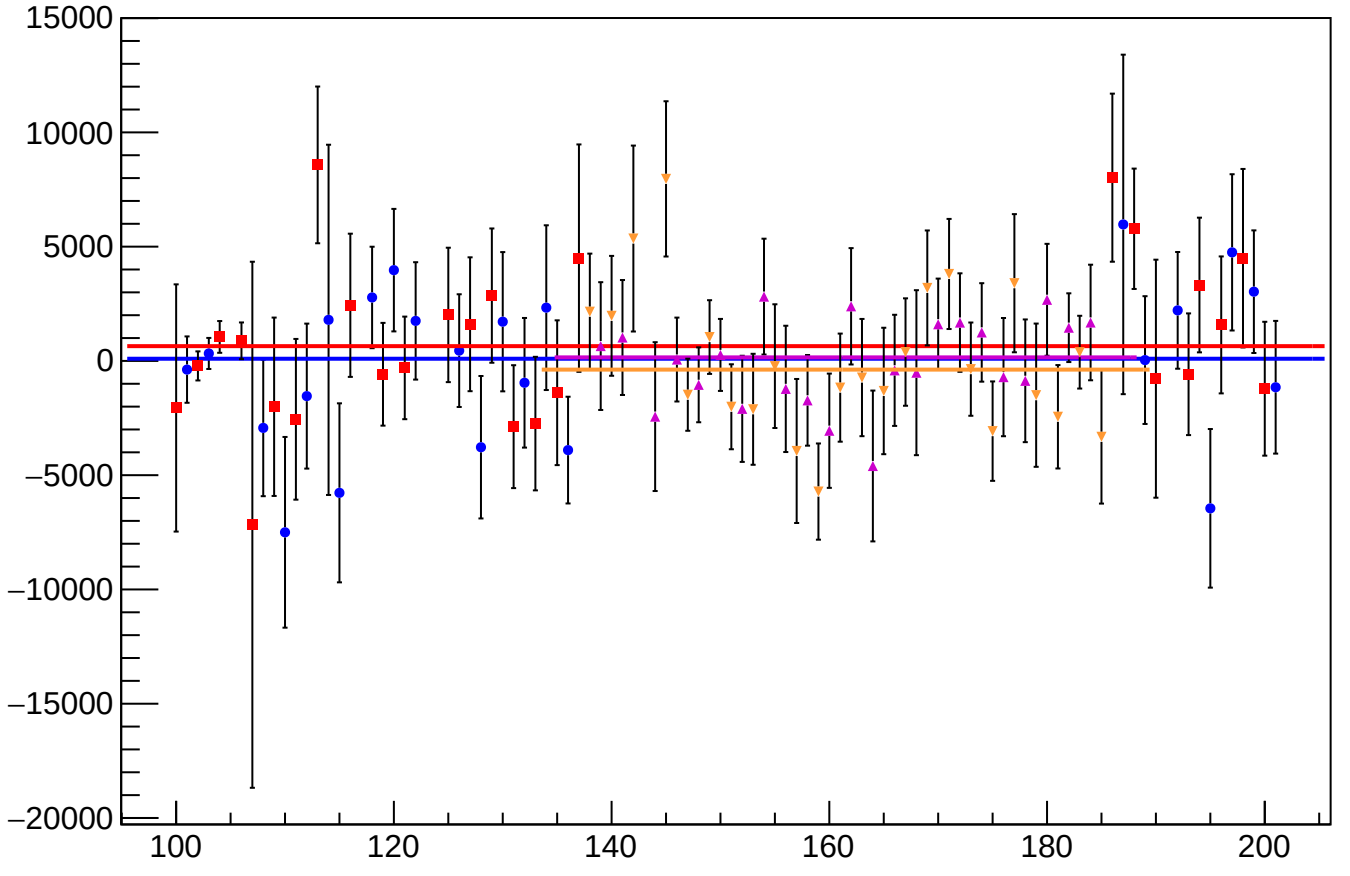
Right Out: 2313.703+/-0.454 χ^2/NDF: 236593.2/25

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.051+/-0.285 χ^2/NDF: 552900.1/46

All: 2233.795+/-0.201 χ^2/NDF: 836425.5/95

- sign 2239.470+/-0.283 χ^2/NDF: 282715.9/48



Right In: 95.284+/-448.513 χ^2/NDF: 24.5/22

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

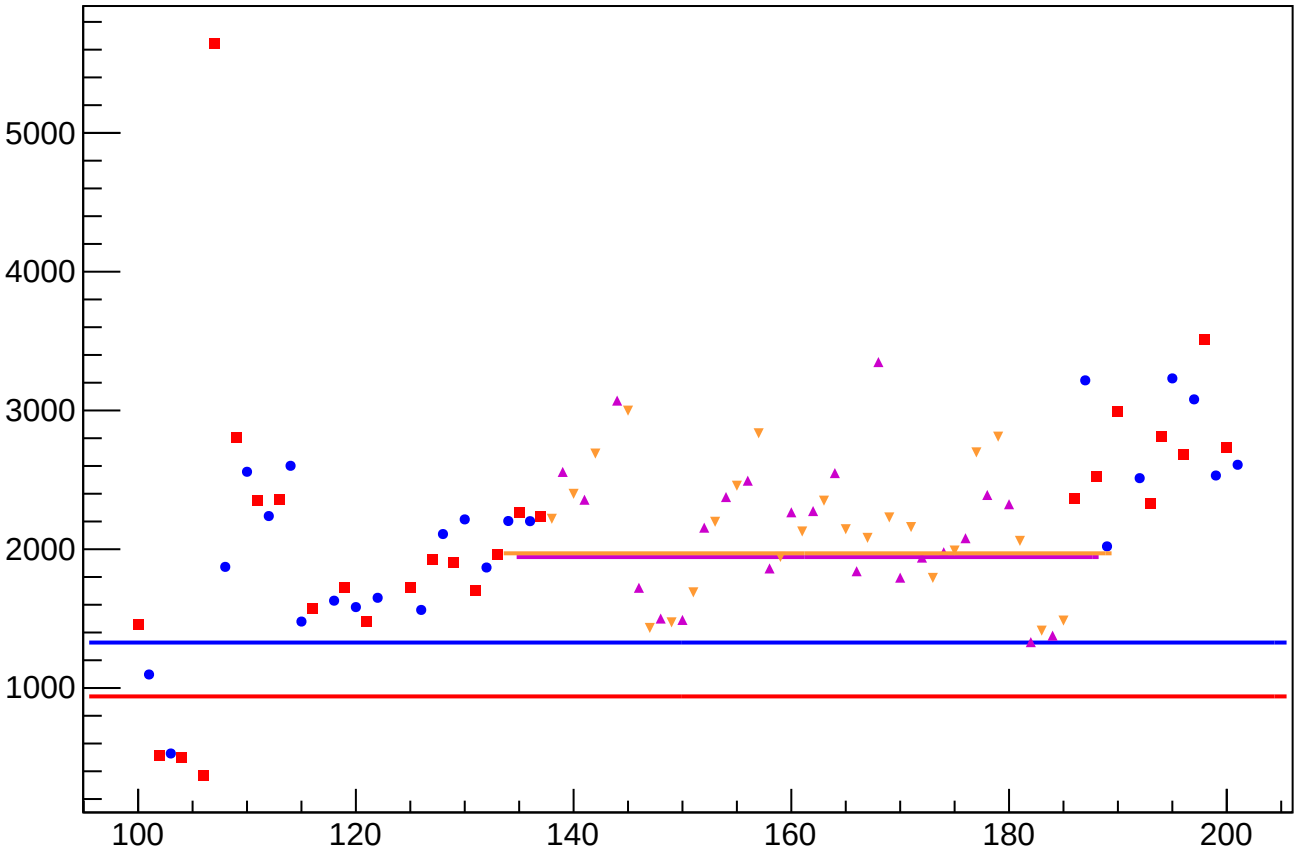
Right Out: 646.276+/-344.791 χ^2/NDF: 25.8/25

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -130.732+/-324.963 χ^2/NDF: 55.8/46

All: 218.461+/-211.067 χ^2/NDF: 97.1/95

- sign 473.265+/-277.590 χ^2/NDF: 39.3/48



Right In: 1327.613+/-0.317 χ^2/NDF: 6757388.2/22

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

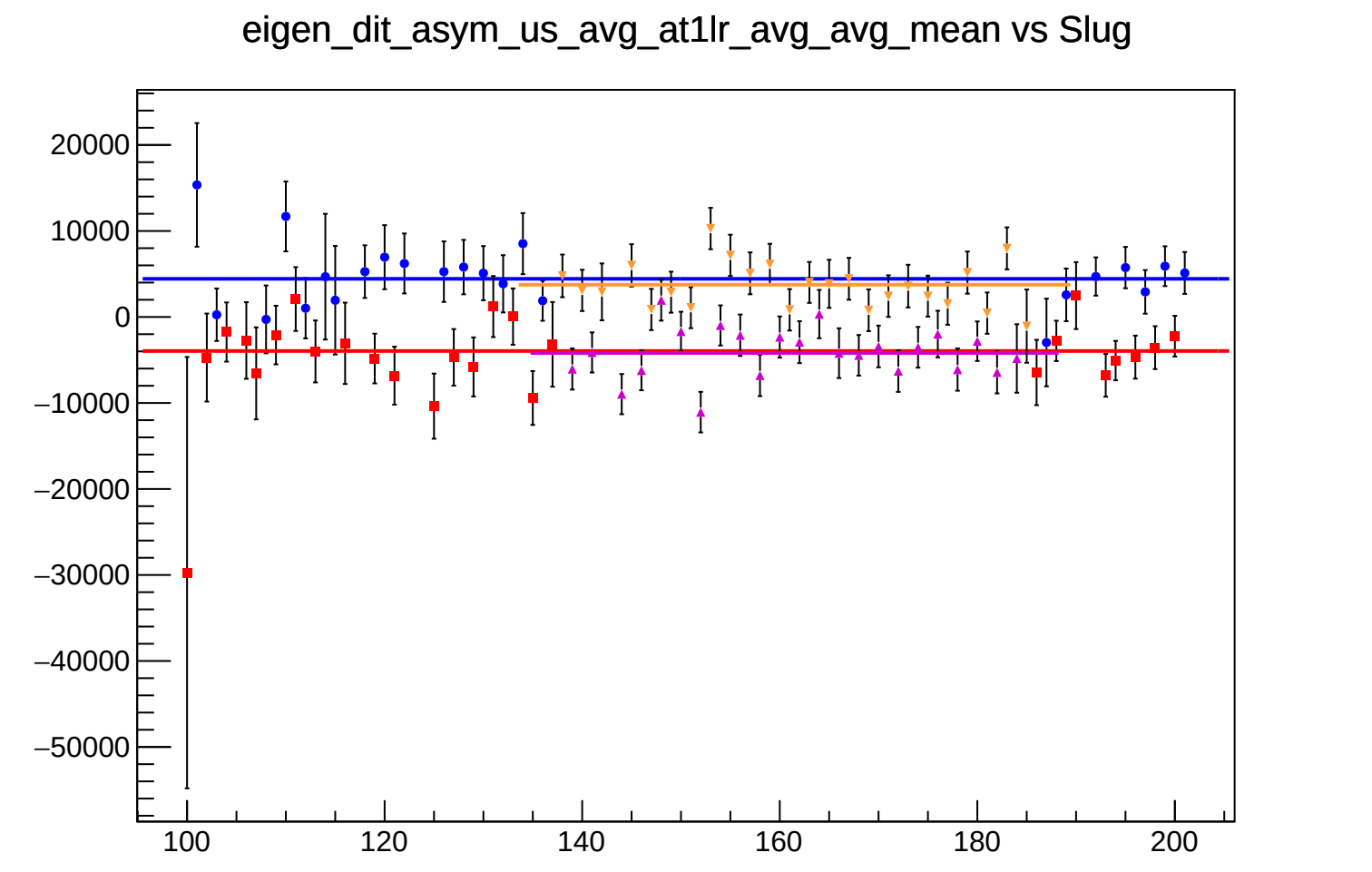
Right Out: 939.445+/-0.244 χ^2/NDF: 11088522.4/25

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1633.090+/-0.230 χ^2/NDF: 10407033.7/46

All: 1436.318+/-0.149 χ^2/NDF: 30615361.9/9

- sign 1292.734+/-0.196 χ^2/NDF: 18939917.7/48



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: -3955.244+/-641.460 χ^2/NDF: 21.1/25

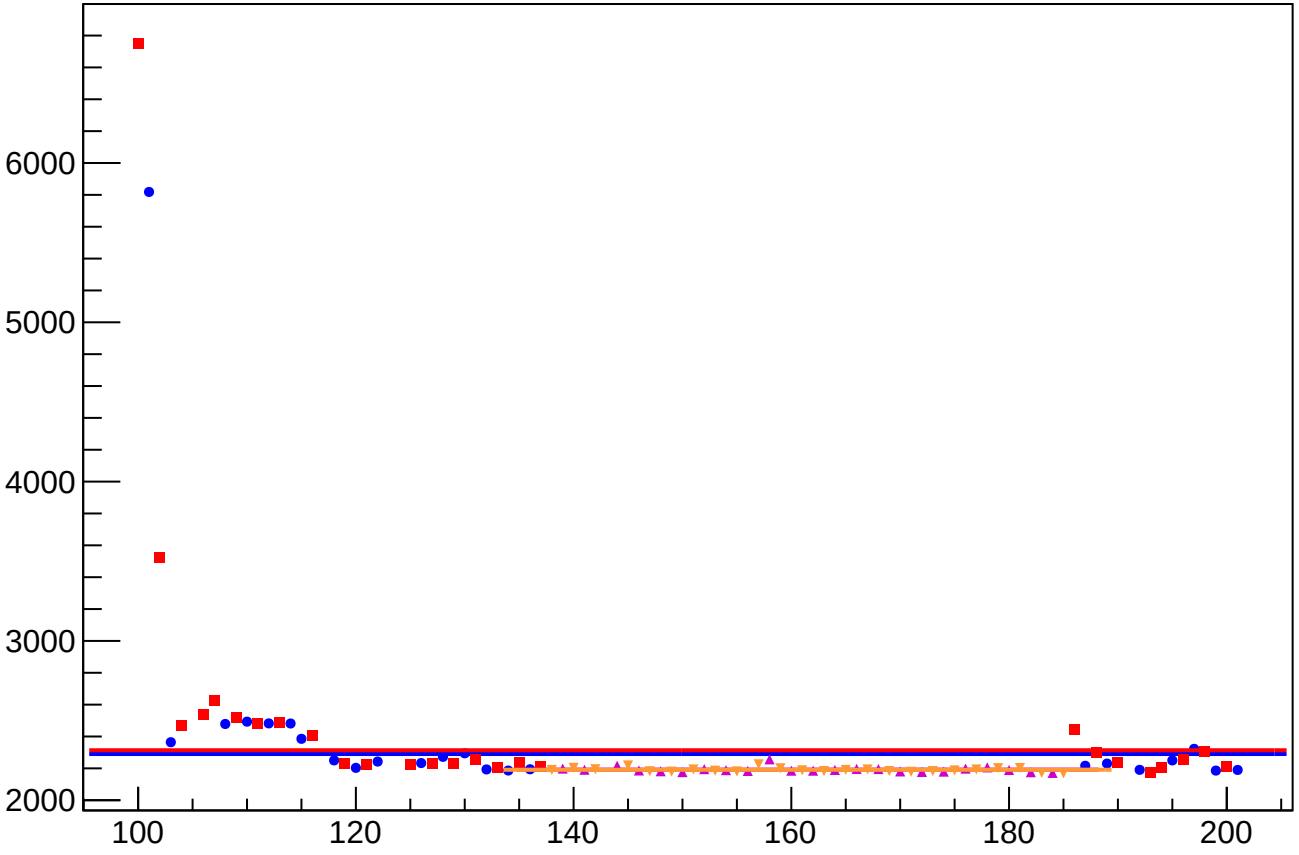
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4009.317+/-402.532 χ^2/NDF: 43.5/46

All: -67.521+/-283.768 χ^2/NDF: 301.3/95

- sign -4095.137+/-400.095 χ^2/NDF: 53.8/48

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

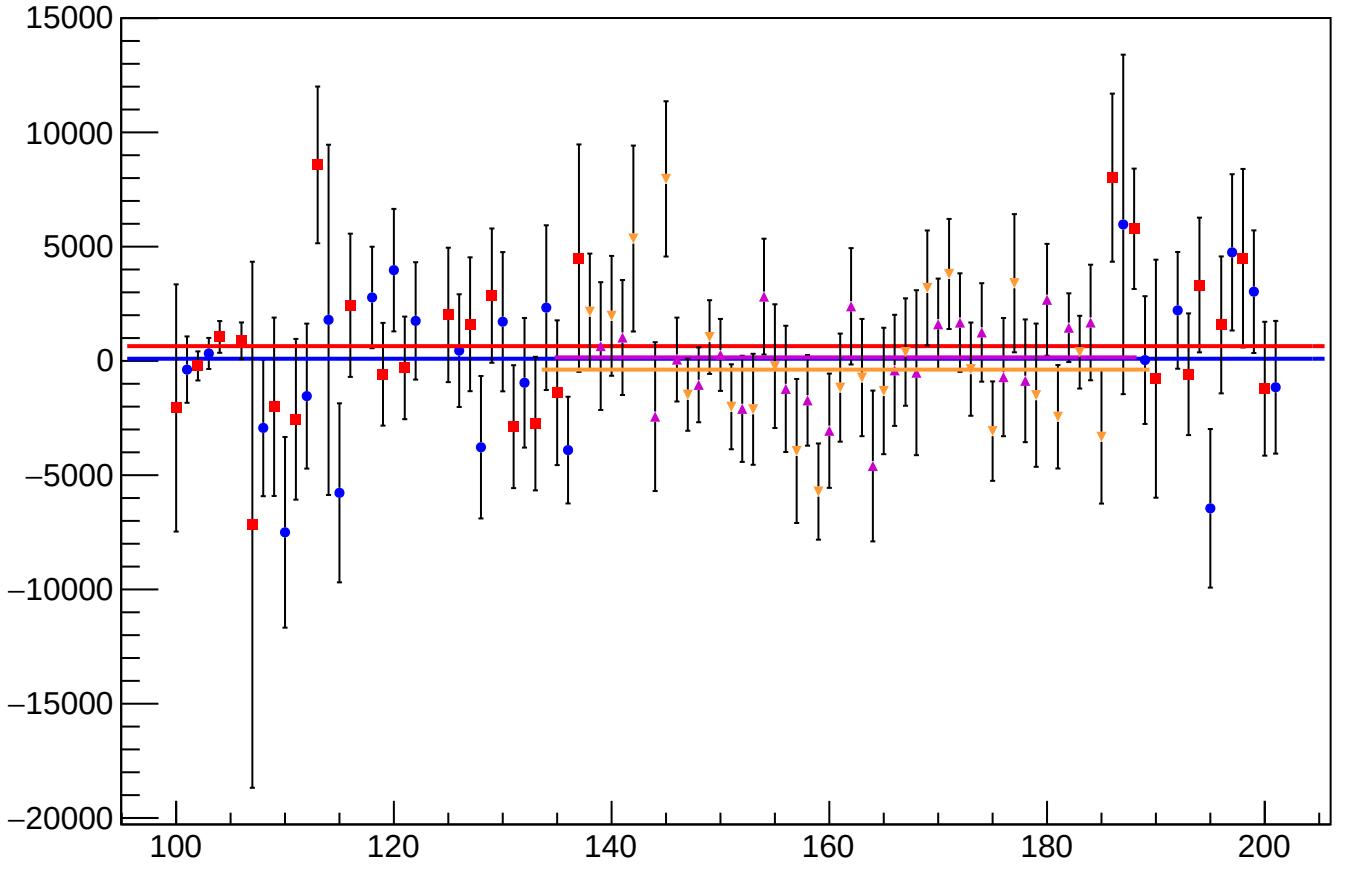
Right Out: 2313.703+/-0.454 χ^2/NDF: 236592.0/25

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.051+/-0.285 χ^2/NDF: 552899.8/46

All: 2233.795+/-0.201 χ^2/NDF: 836423.8/95

- sign 2239.469+/-0.283 χ^2/NDF: 282714.5/48



Right In: 95.279+/-448.515 χ^2/NDF: 24.5/22

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

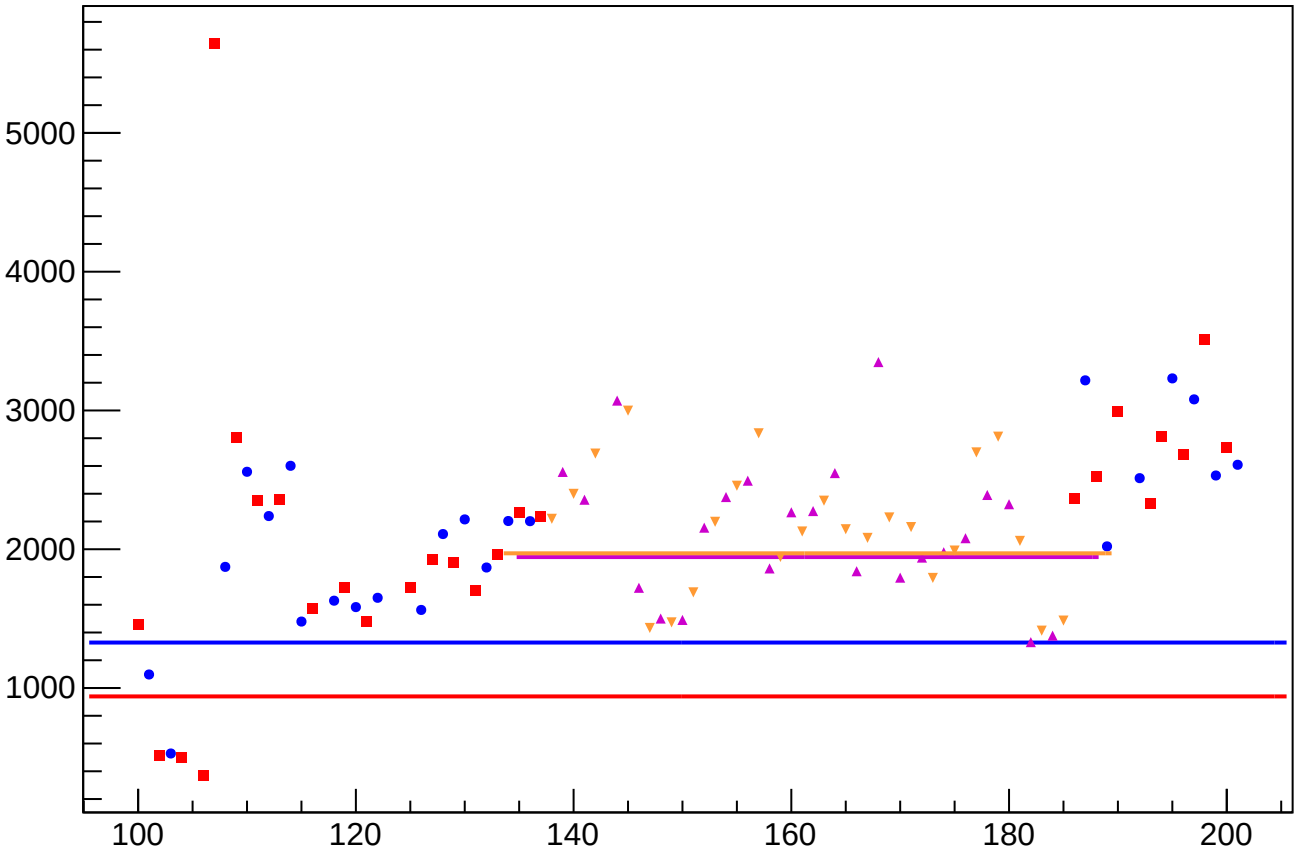
Right Out: 646.284+/-344.795 χ^2/NDF: 25.8/25

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -130.737+/-324.964 χ^2/NDF: 55.8/46

All: 218.459+/-211.068 χ^2/NDF: 97.1/95

- sign 473.267+/-277.593 χ^2/NDF: 39.3/48



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: 939.463+/-0.244 χ^2/NDF: 11088314.3/25

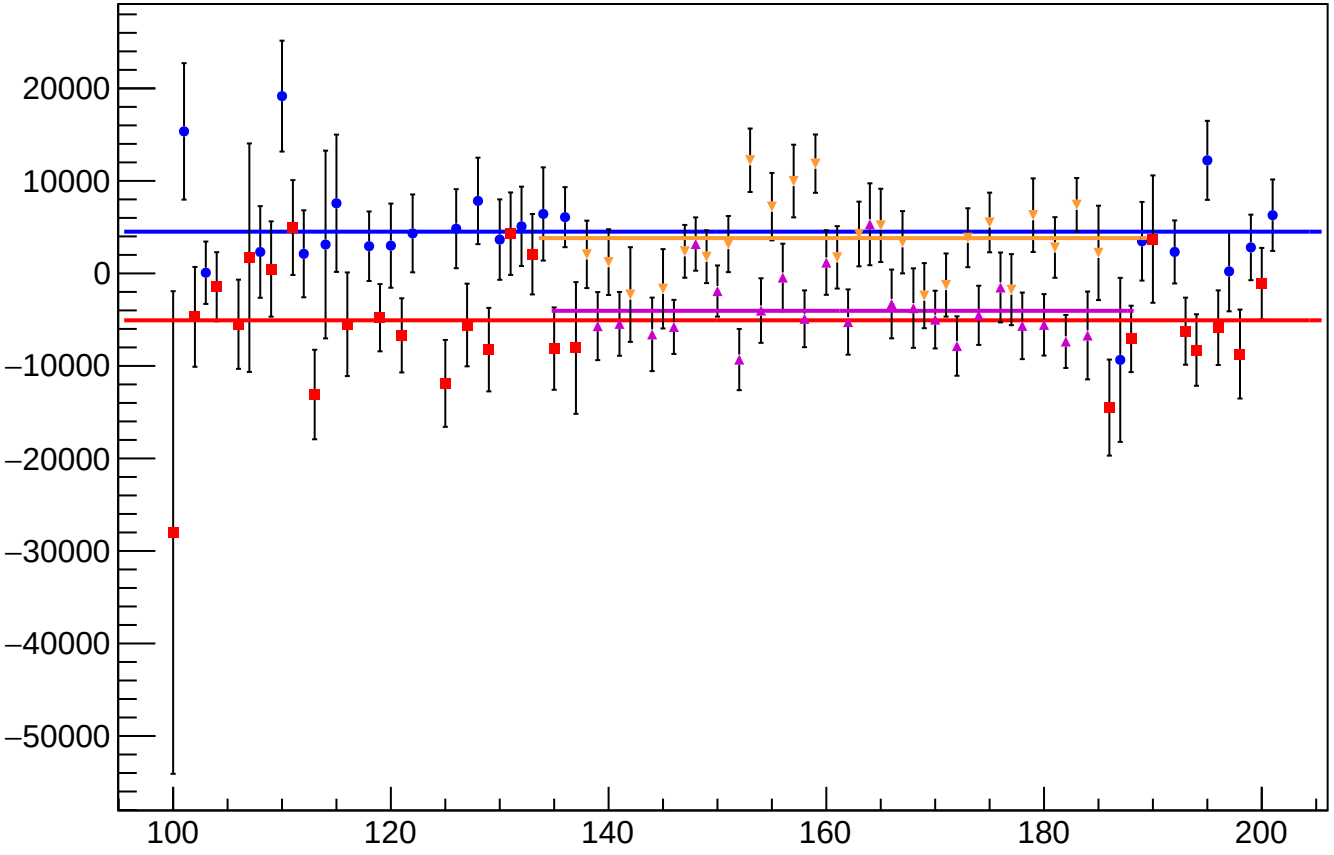
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1633.098+/-0.230 χ^2/NDF: 10406870.2/46

All: 1436.332+/-0.149 χ^2/NDF: 30614670.7/9

- sign 1292.752+/-0.196 χ^2/NDF: 18939473.7/48

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: -5069.253+/-907.424 χ^2/NDF: 28.0/25

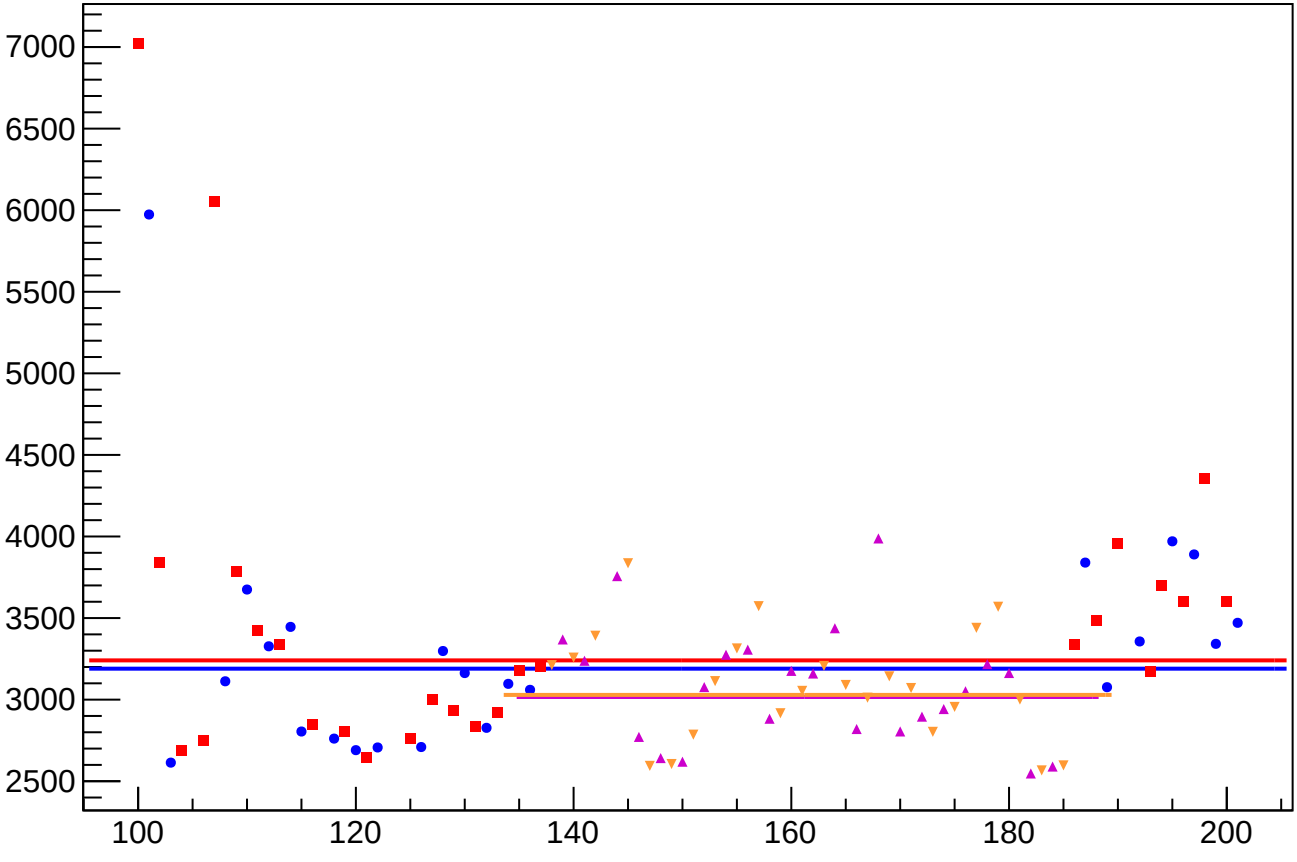
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4075.346+/-561.776 χ^2/NDF: 50.6/46

All: -199.672+/-396.239 χ^2/NDF: 217.2/95

- sign -4432.050+/-558.967 χ^2/NDF: 51.3/48

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

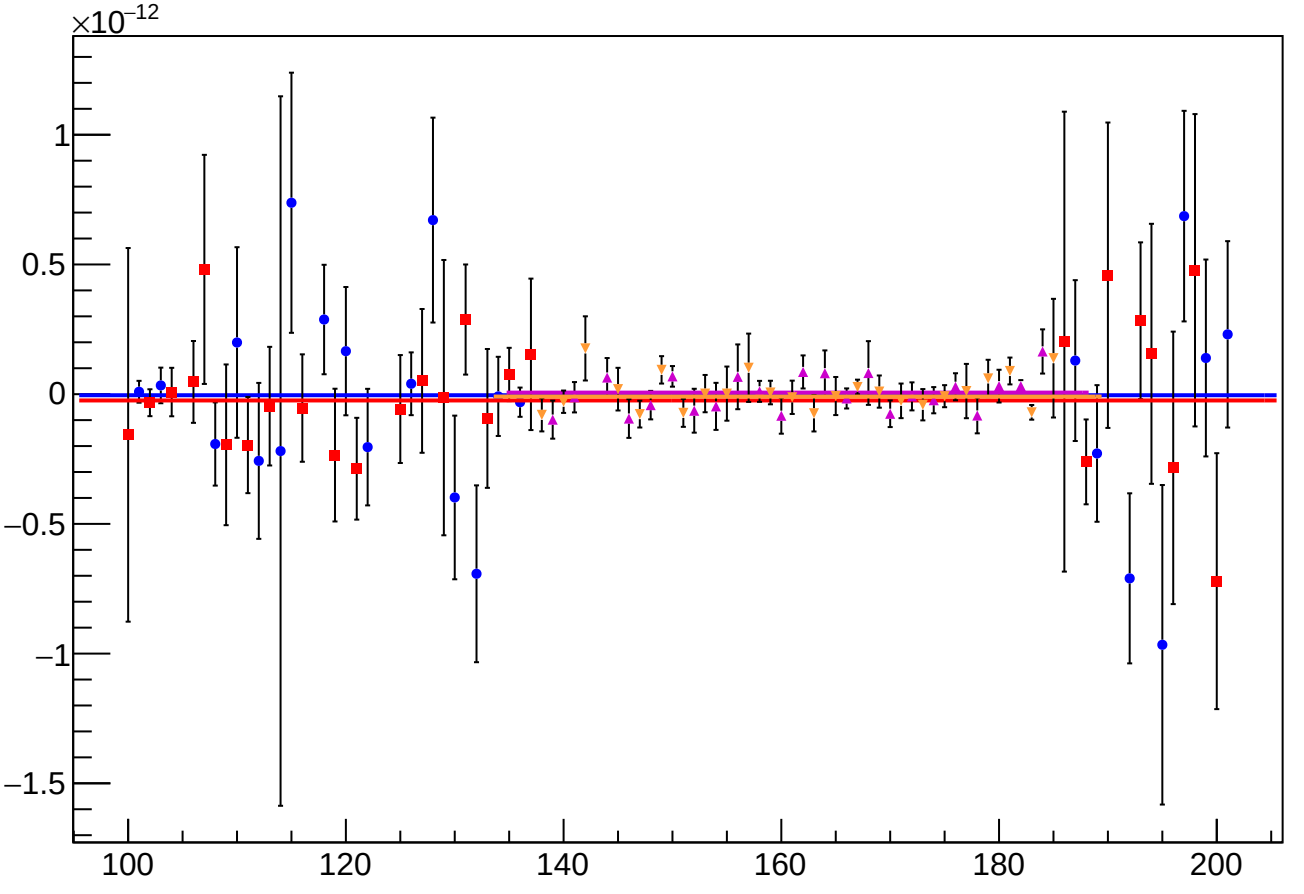
Right Out: 3240.608+/-0.642 χ^2/NDF: 609364.3/25

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3088.631+/-0.397 χ^2/NDF: 1072306.5/46

All: 3095.039+/-0.280 χ^2/NDF: 2197956.1/95

- sign 3101.384+/-0.395 χ^2/NDF: 1125131.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/22

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

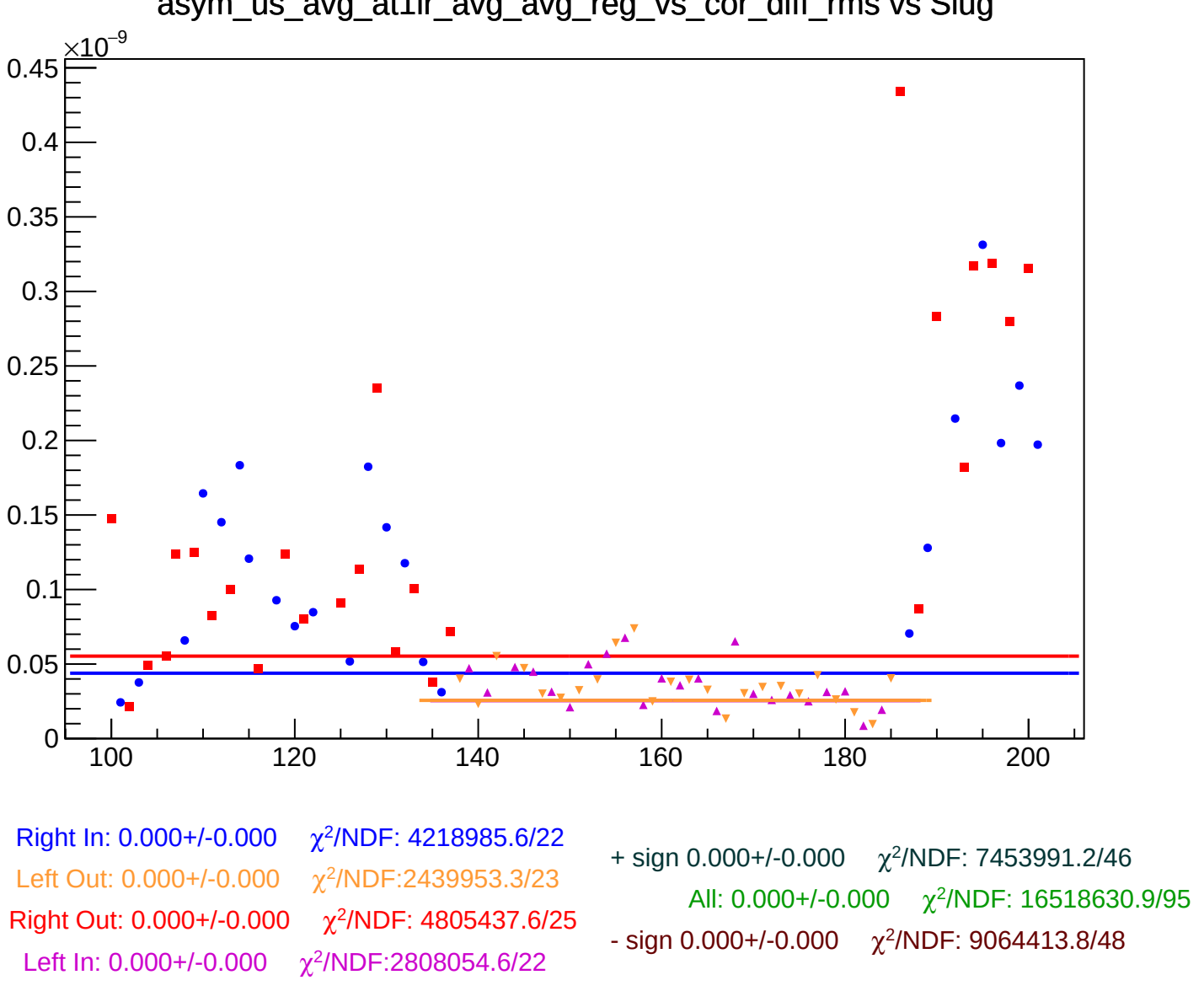
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/25

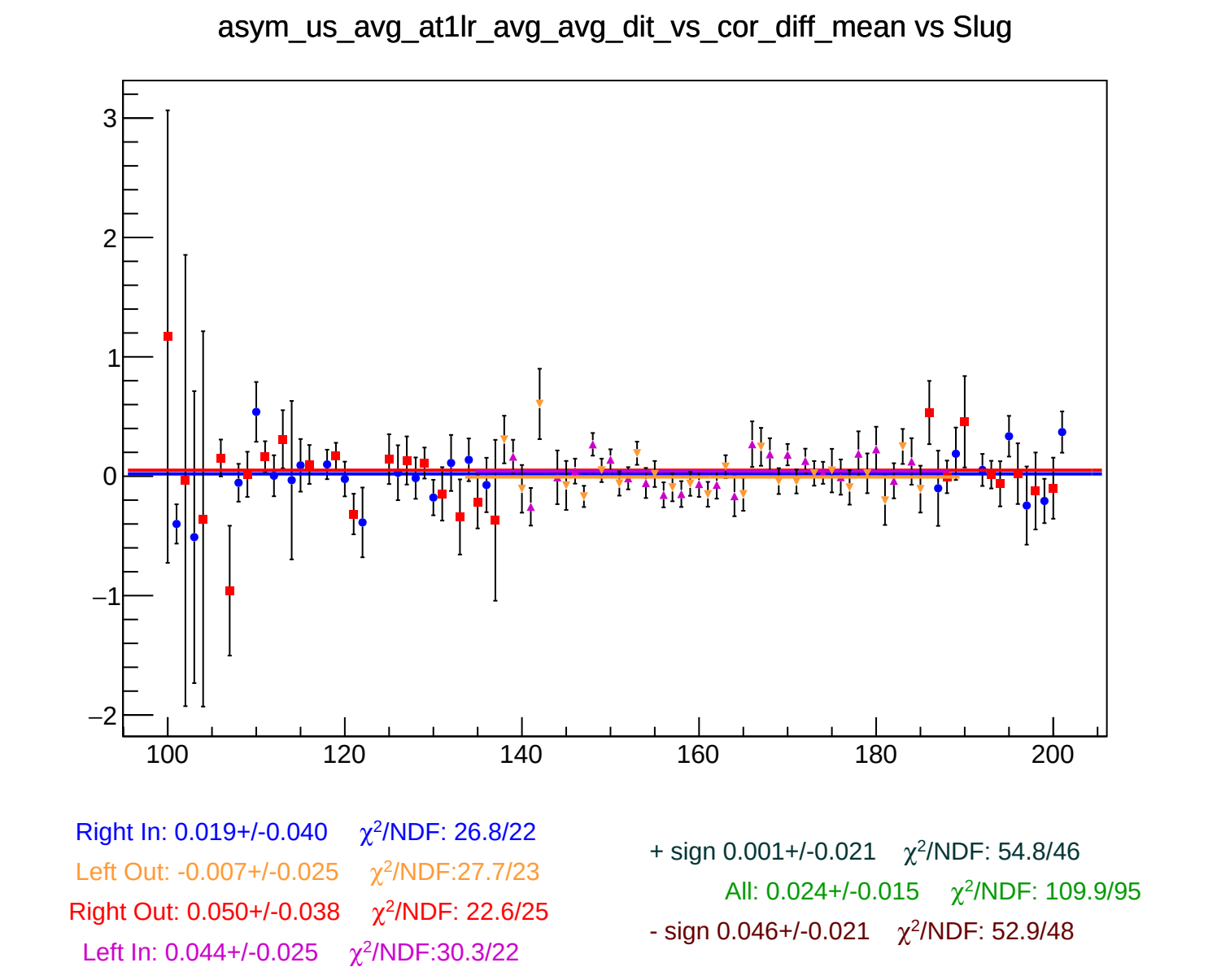
Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

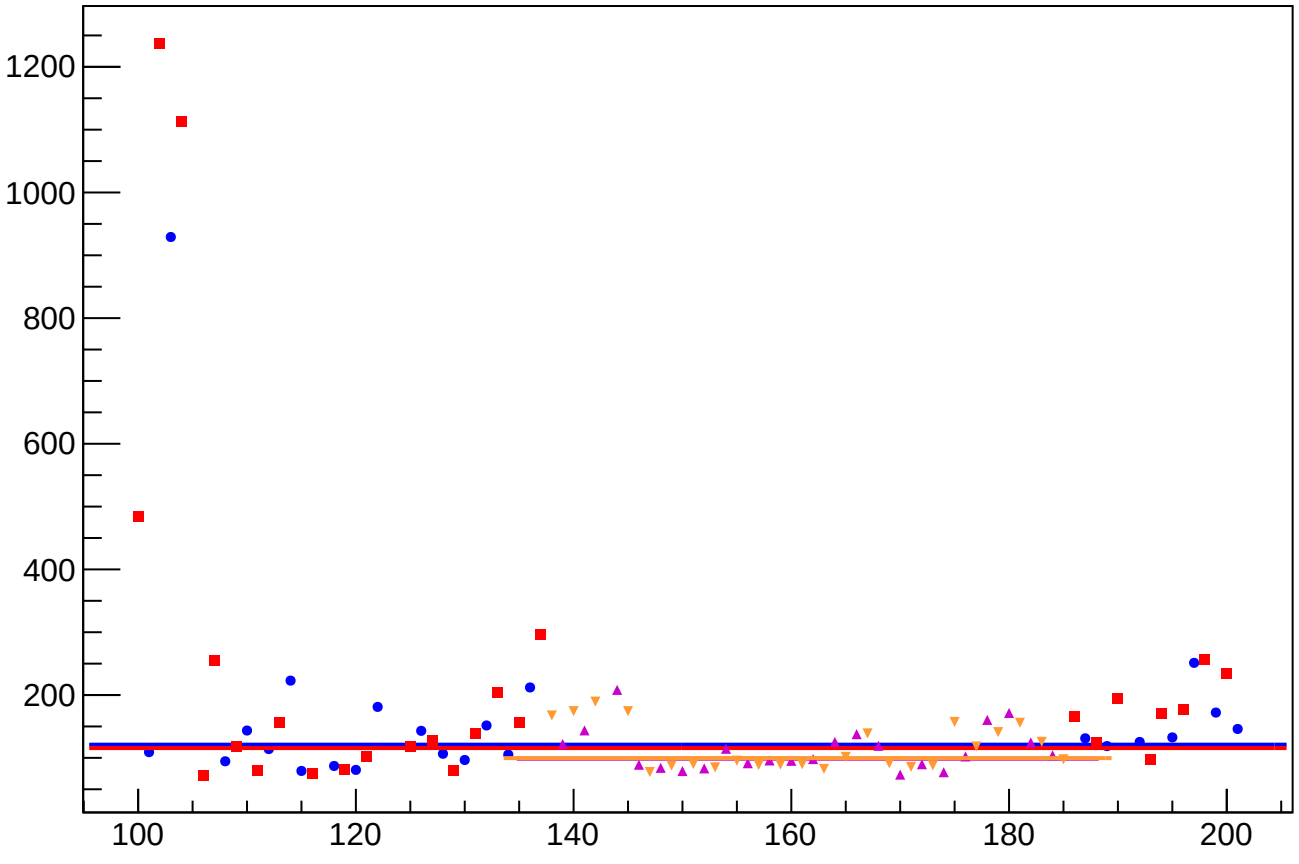
+ sign -0.000+/-0.000 χ^2/NDF: 52.8/46

All: -0.000+/-0.000 χ^2/NDF: 93.3/95

- sign 0.000+/-0.000 χ^2/NDF: 40.0/48


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: 4805437.6/25
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: 16518630.9/95
- sign 0.000+/-0.000 χ²/NDF: 9064413.8/48


asym_us_avg_at1lr_avg_avg_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: 0.050+/-0.038 χ²/NDF: 22.6/25
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.001+/-0.021 χ²/NDF: 54.8/46
All: 0.024+/-0.015 χ²/NDF: 109.9/95
- sign 0.046+/-0.021 χ²/NDF: 52.9/48



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: 115.564+/-0.027 χ^2/NDF: 4292747.3/25

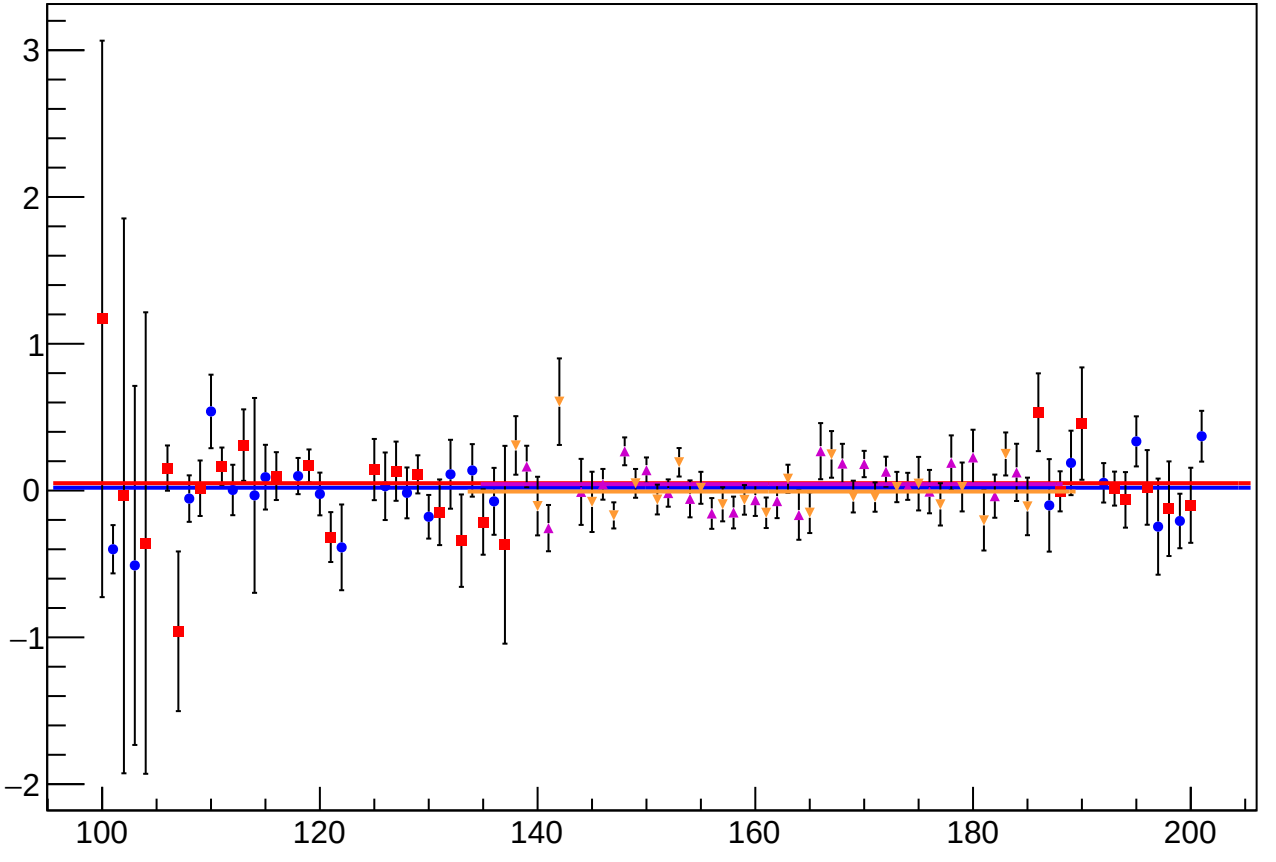
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 105.770+/-0.015 χ^2/NDF: 4927669.3/46

All: 104.735+/-0.011 χ^2/NDF: 11505644.8/95

- sign 103.736+/-0.015 χ^2/NDF: 6568736.6/48

asym_us_avg_at1lr_avg_avg_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

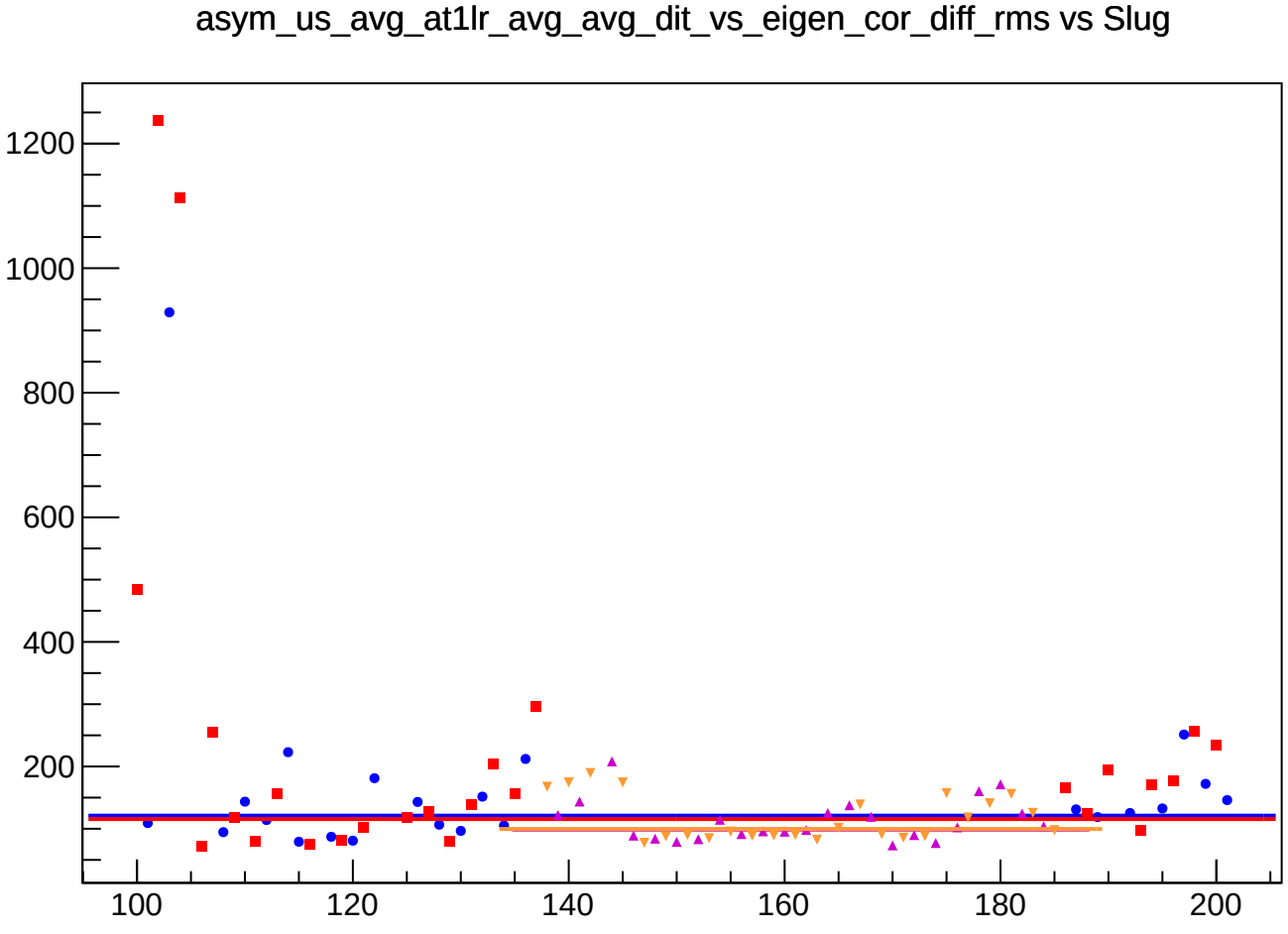
Right Out: 0.050+/-0.038 χ^2/NDF: 22.6/25

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.001+/-0.021 χ^2/NDF: 54.8/46

All: 0.024+/-0.015 χ^2/NDF: 109.9/95

- sign 0.046+/-0.021 χ^2/NDF: 52.9/48



Right In: 120.995+/-0.028 χ^2/NDF: 2443980.8/22

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

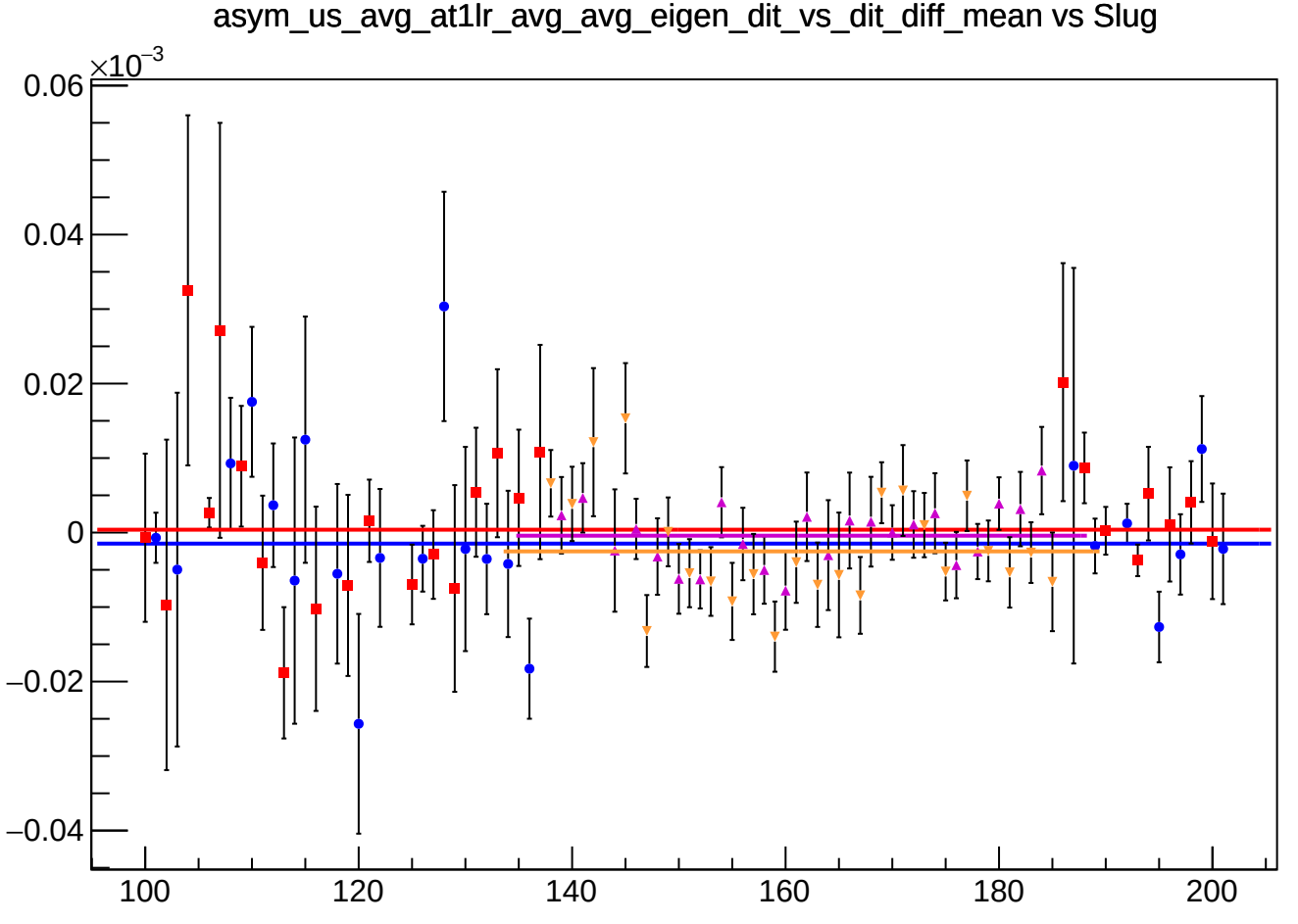
Right Out: 115.564+/-0.027 χ^2/NDF: 4292747.3/25

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 105.770+/-0.015 χ^2/NDF: 4927669.3/46

All: 104.735+/-0.011 χ^2/NDF: 11505644.8/95

- sign 103.736+/-0.015 χ^2/NDF: 6568736.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

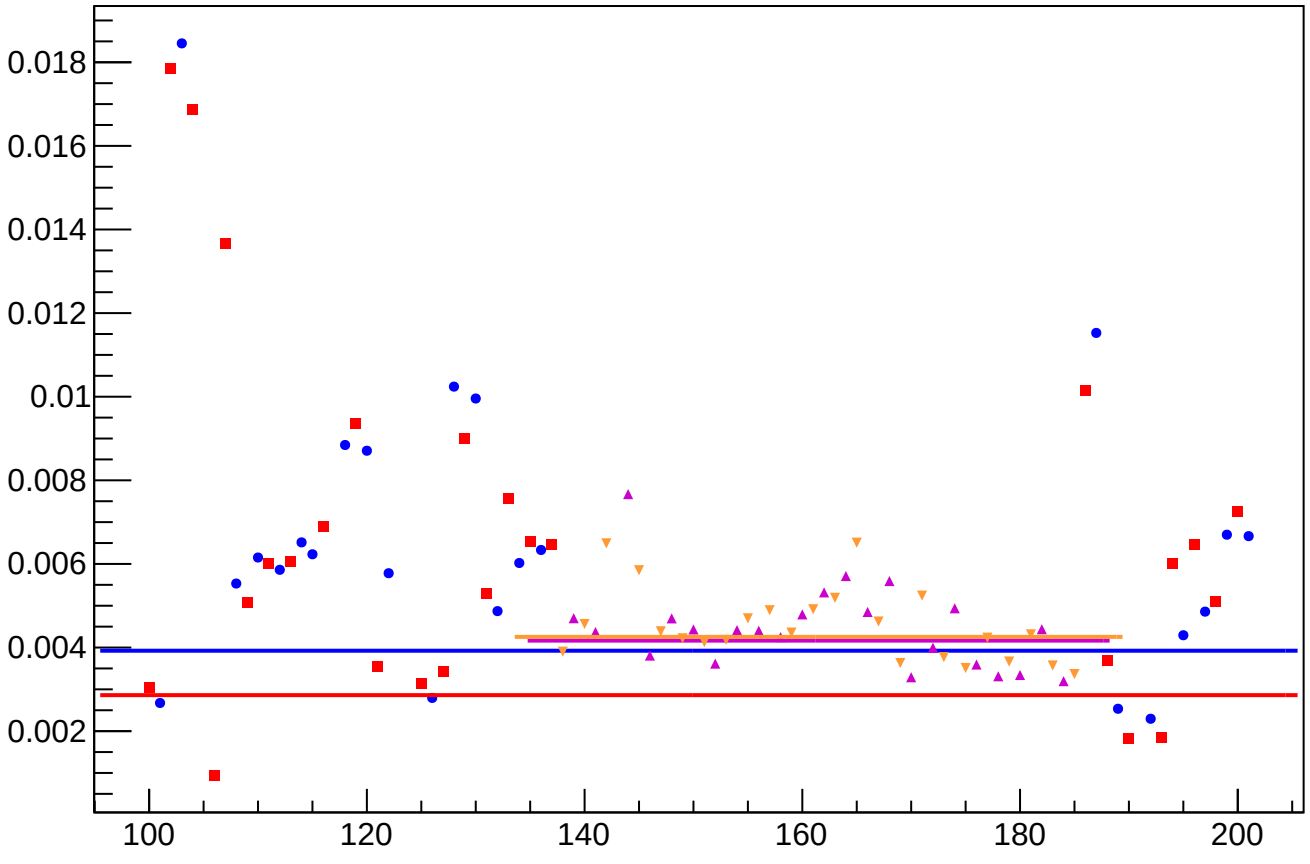
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/25

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: 116.0/95

- sign -0.000+/-0.000 χ^2/NDF: 41.5/48



Right In: 0.004+/-0.000 χ^2/NDF: 5095847.2/22

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 9654021.0/25

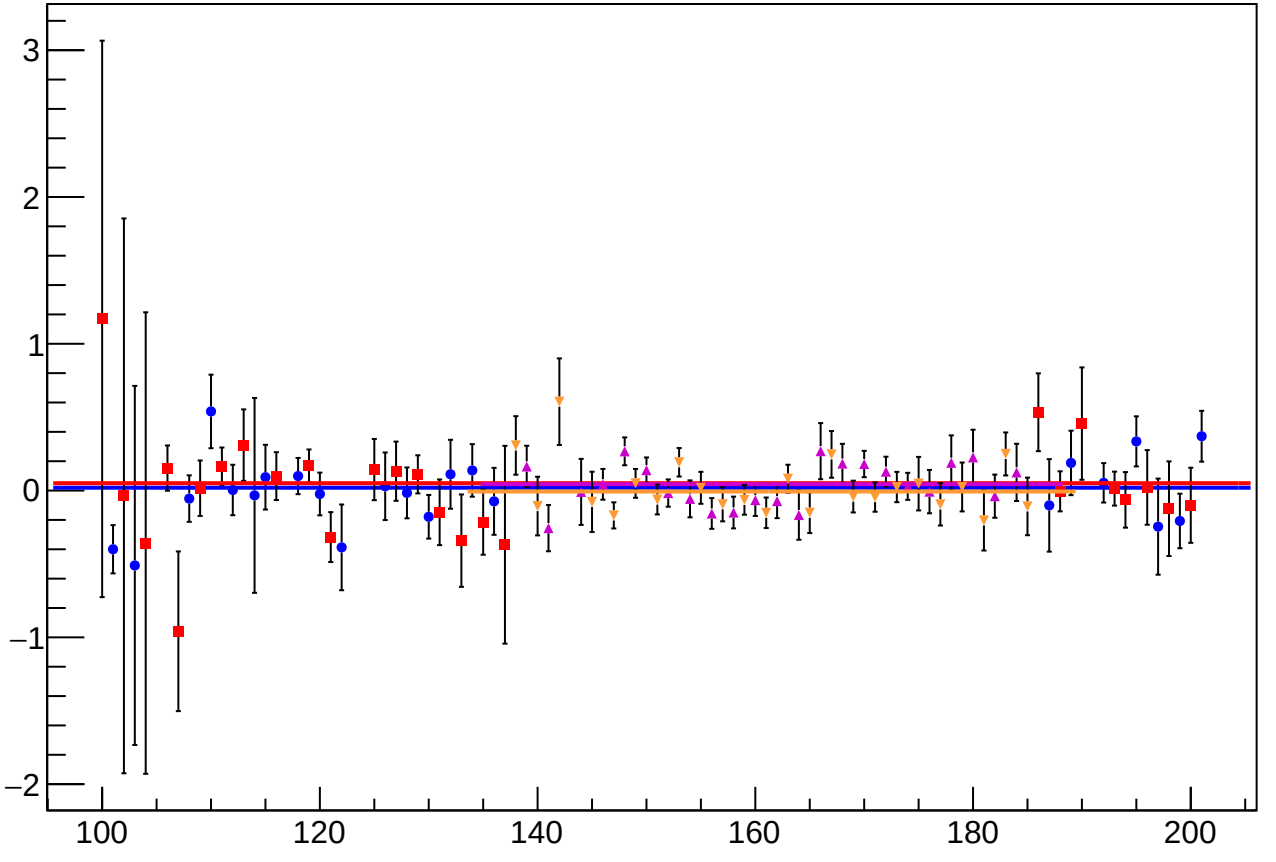
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 6010906.1/46

All: 0.004+/-0.000 χ^2/NDF: 19171109.0/95

- sign 0.004+/-0.000 χ^2/NDF: 12568662.8/48

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_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

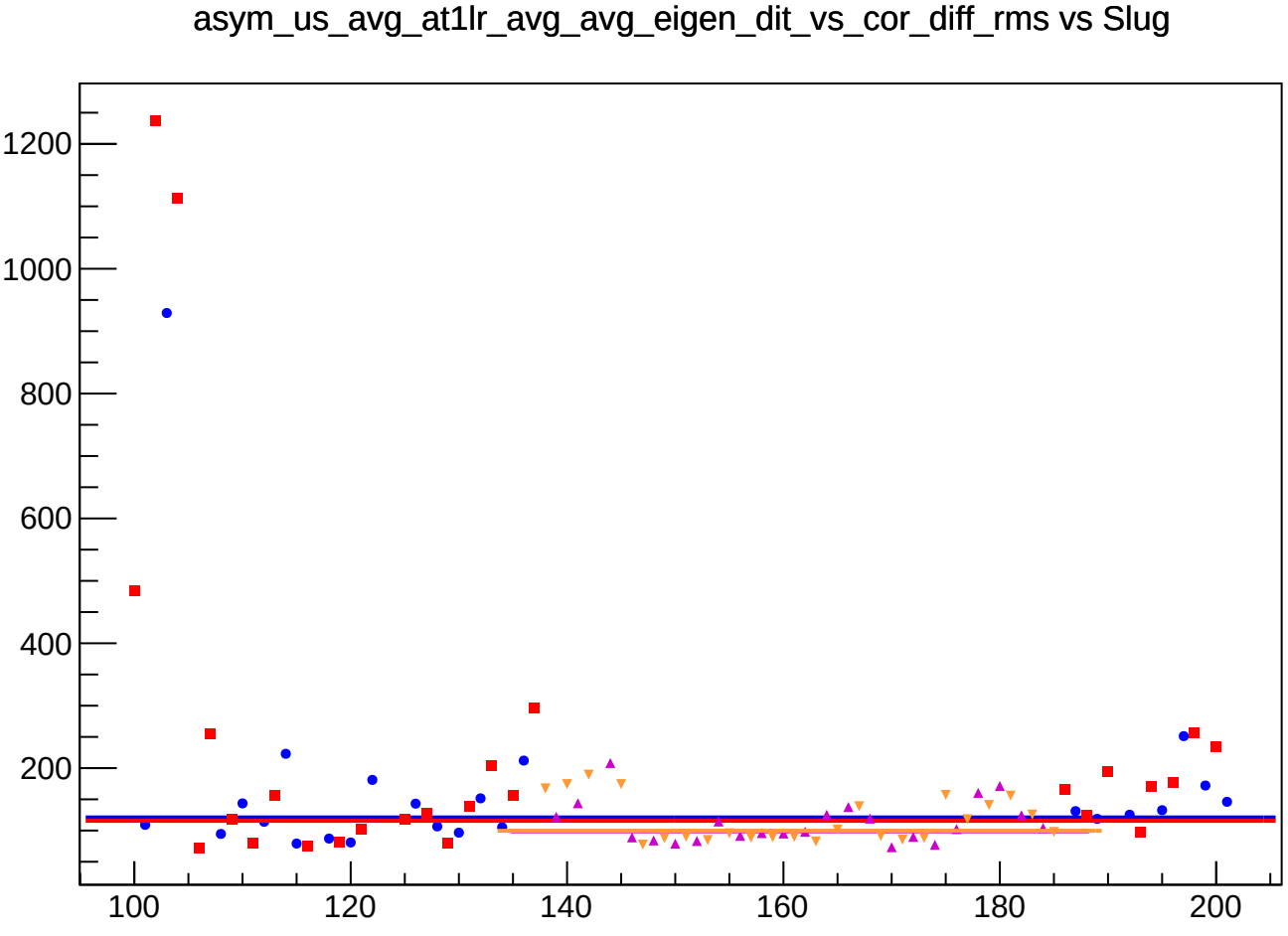
Right Out: 0.050+/-0.038 χ^2/NDF: 22.6/25

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.001+/-0.021 χ^2/NDF: 54.8/46

All: 0.024+/-0.015 χ^2/NDF: 109.9/95

- sign 0.046+/-0.021 χ^2/NDF: 52.9/48



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: 115.563+/-0.027 χ^2/NDF: 4292764.6/25

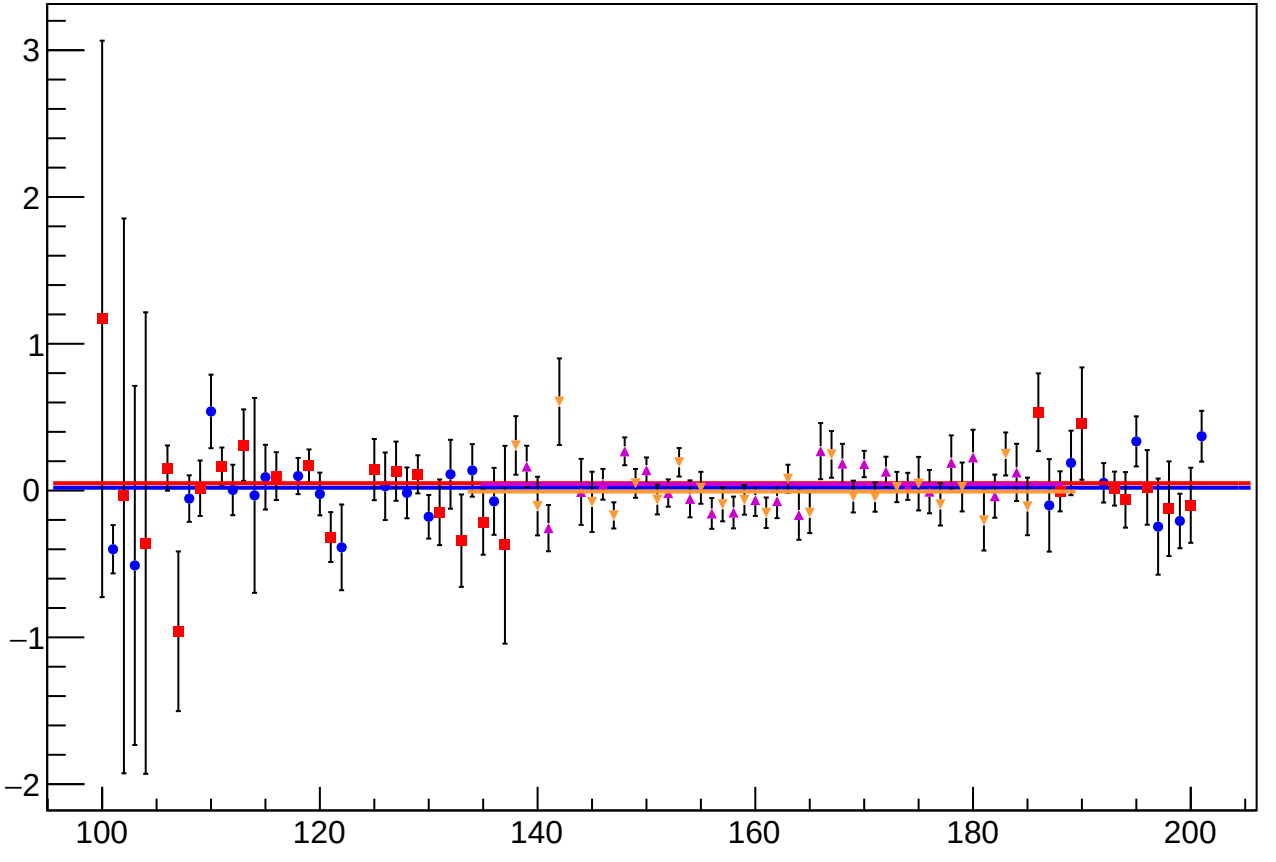
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 105.770+/-0.015 χ^2/NDF: 4927621.7/46

All: 104.735+/-0.011 χ^2/NDF: 11505533.6/95

- sign 103.736+/-0.015 χ^2/NDF: 6568672.4/48

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

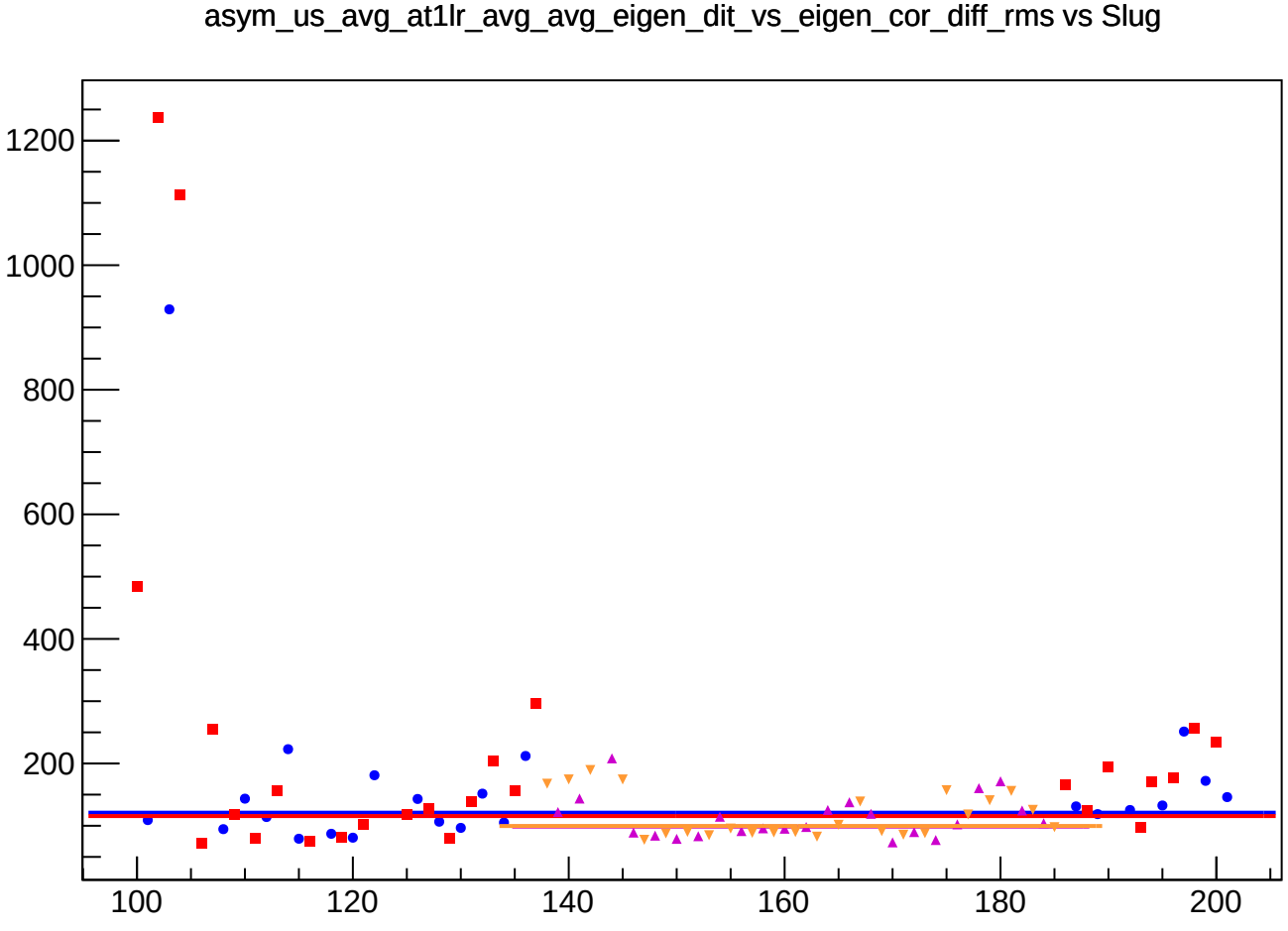
Right Out: 0.050+/-0.038 χ^2/NDF: 22.6/25

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.001+/-0.021 χ^2/NDF: 54.8/46

All: 0.024+/-0.015 χ^2/NDF: 109.9/95

- sign 0.046+/-0.021 χ^2/NDF: 52.9/48



Right In: 120.993+/-0.028 χ^2/NDF: 2444070.4/22

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

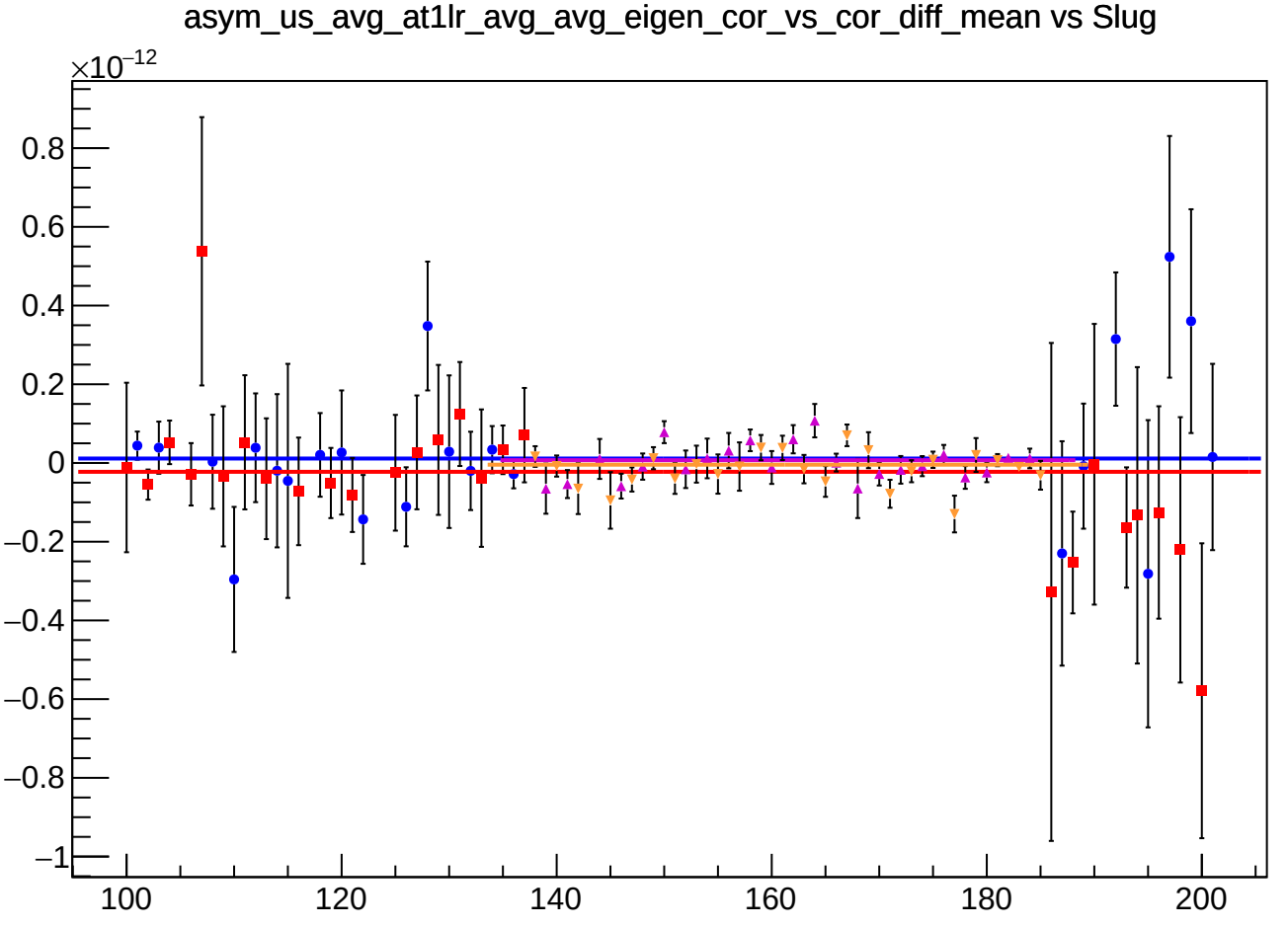
Right Out: 115.563+/-0.027 χ^2/NDF: 4292764.6/25

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 105.770+/-0.015 χ^2/NDF: 4927621.7/46

All: 104.735+/-0.011 χ^2/NDF: 11505533.6/95

- sign 103.736+/-0.015 χ^2/NDF: 6568672.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

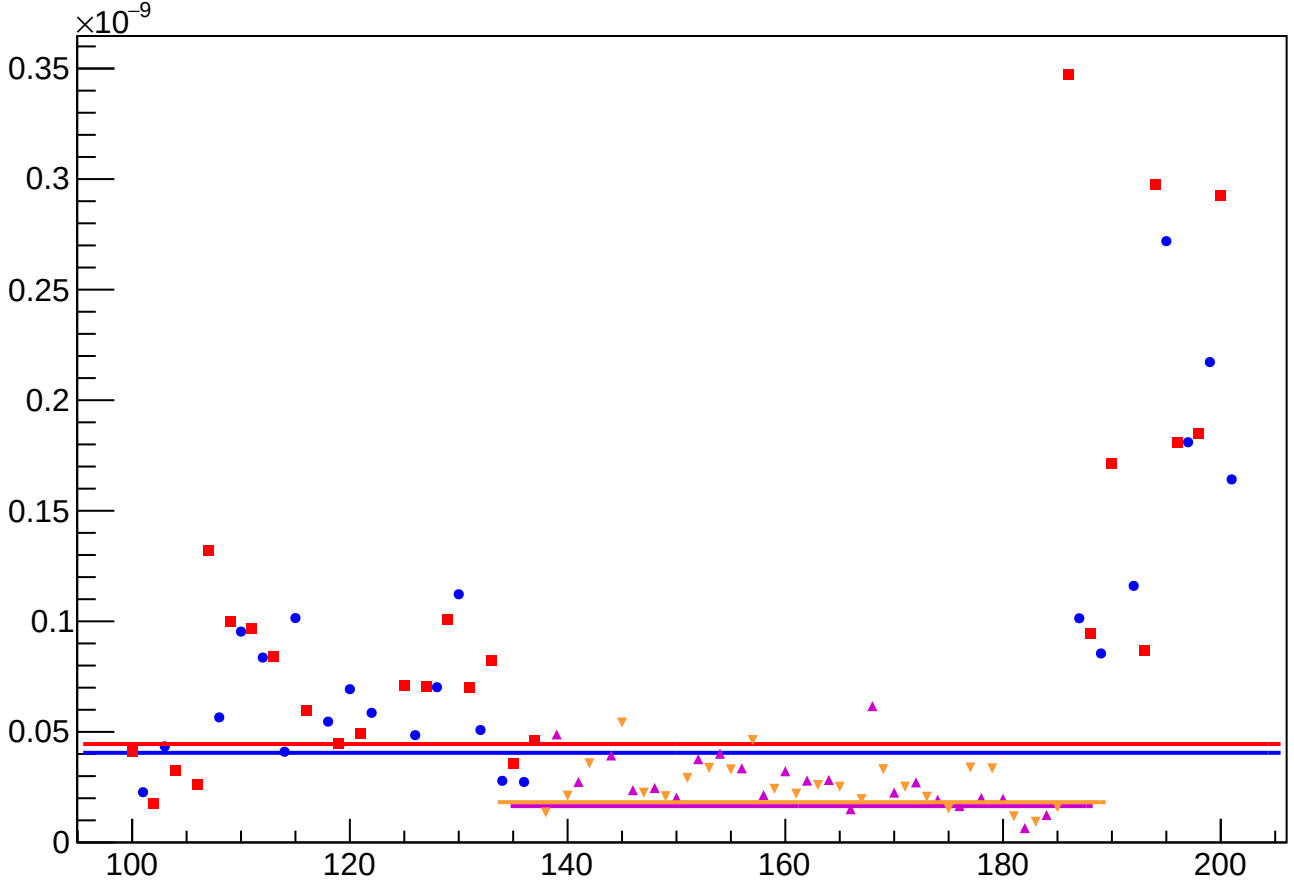
Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/25

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: 109.7/95

- sign 0.000+/-0.000 χ^2/NDF: 53.2/48



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: 6161499.0/25

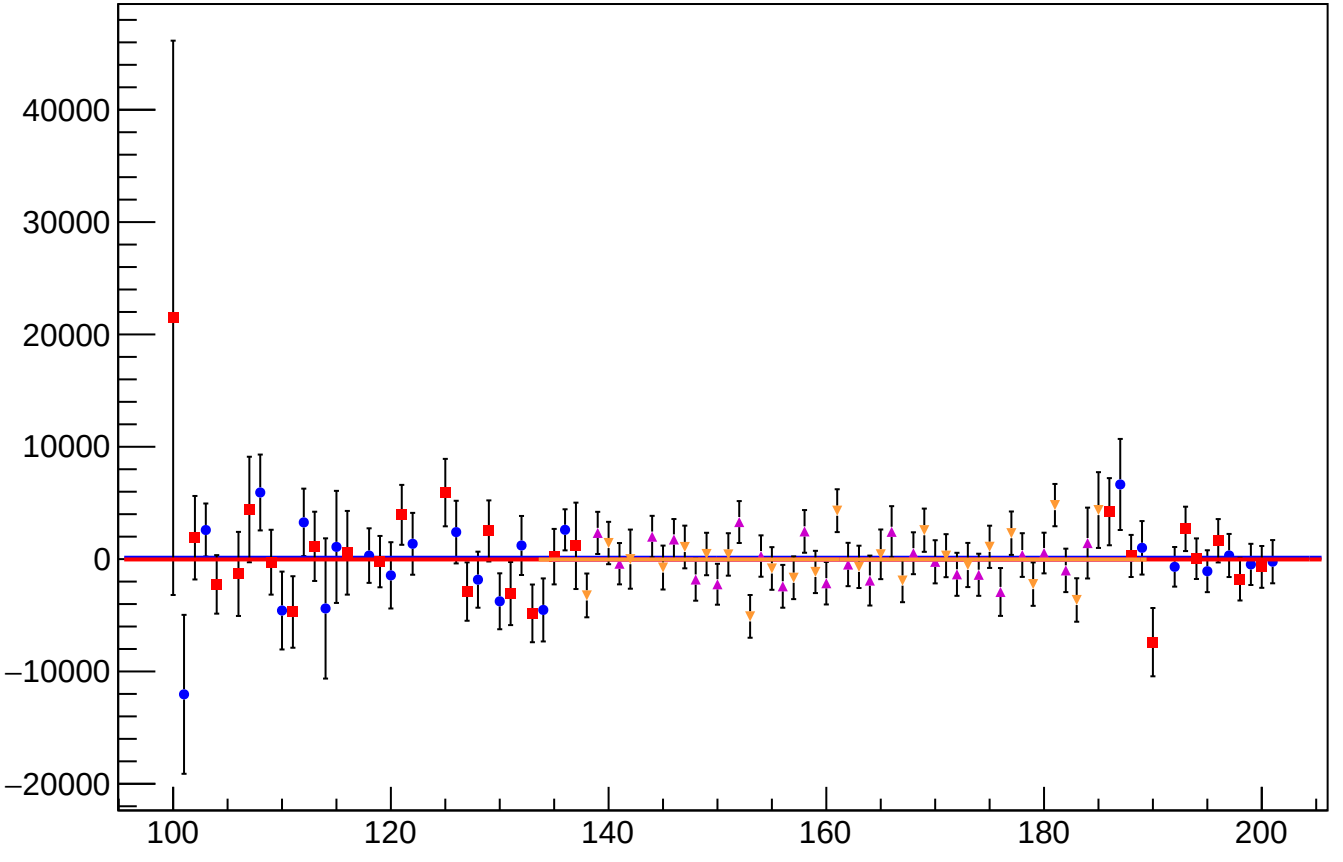
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11866102.9/46

All: 0.000+/-0.000 χ^2/NDF: 28549897.0/95

- sign 0.000+/-0.000 χ^2/NDF: 16551810.2/48

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: -29.807+/-508.149 χ^2/NDF: 29.7/25

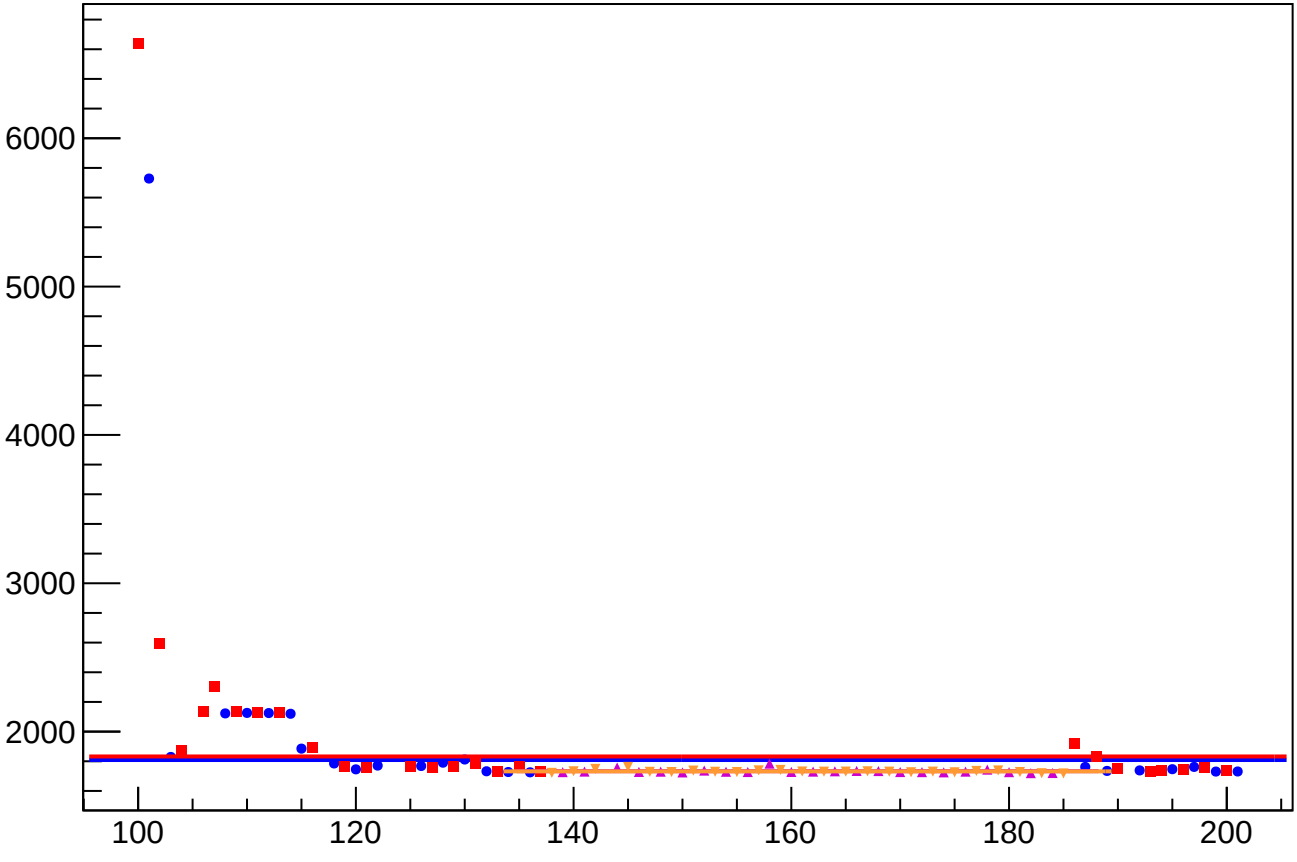
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

\+ sign 24.109+/-318.465 χ^2/NDF: 58.4/46

All: -10.085+/-224.516 χ^2/NDF: 107.5/95

\- sign -43.874+/-316.571 χ^2/NDF: 49.1/48

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

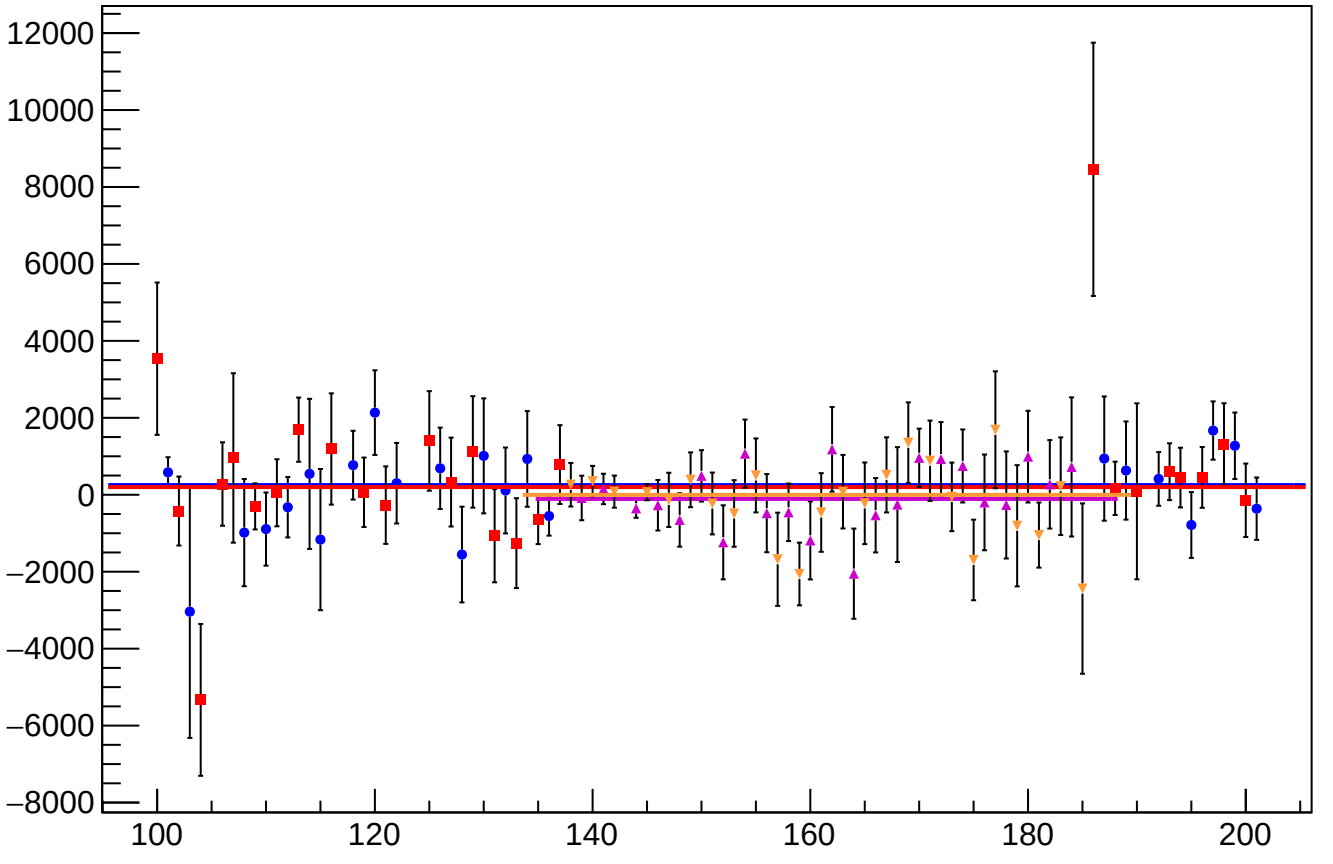
Right Out: 1832.408+/-0.359 χ^2/NDF: 292585.4/25

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1760.444+/-0.225 χ^2/NDF: 728878.0/46

All: 1766.143+/-0.159 χ^2/NDF: 1071504.7/95

- sign 1771.775+/-0.224 χ^2/NDF: 341353.3/48



Right In: 251.759+/-183.600 χ^2/NDF: 21.0/22

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

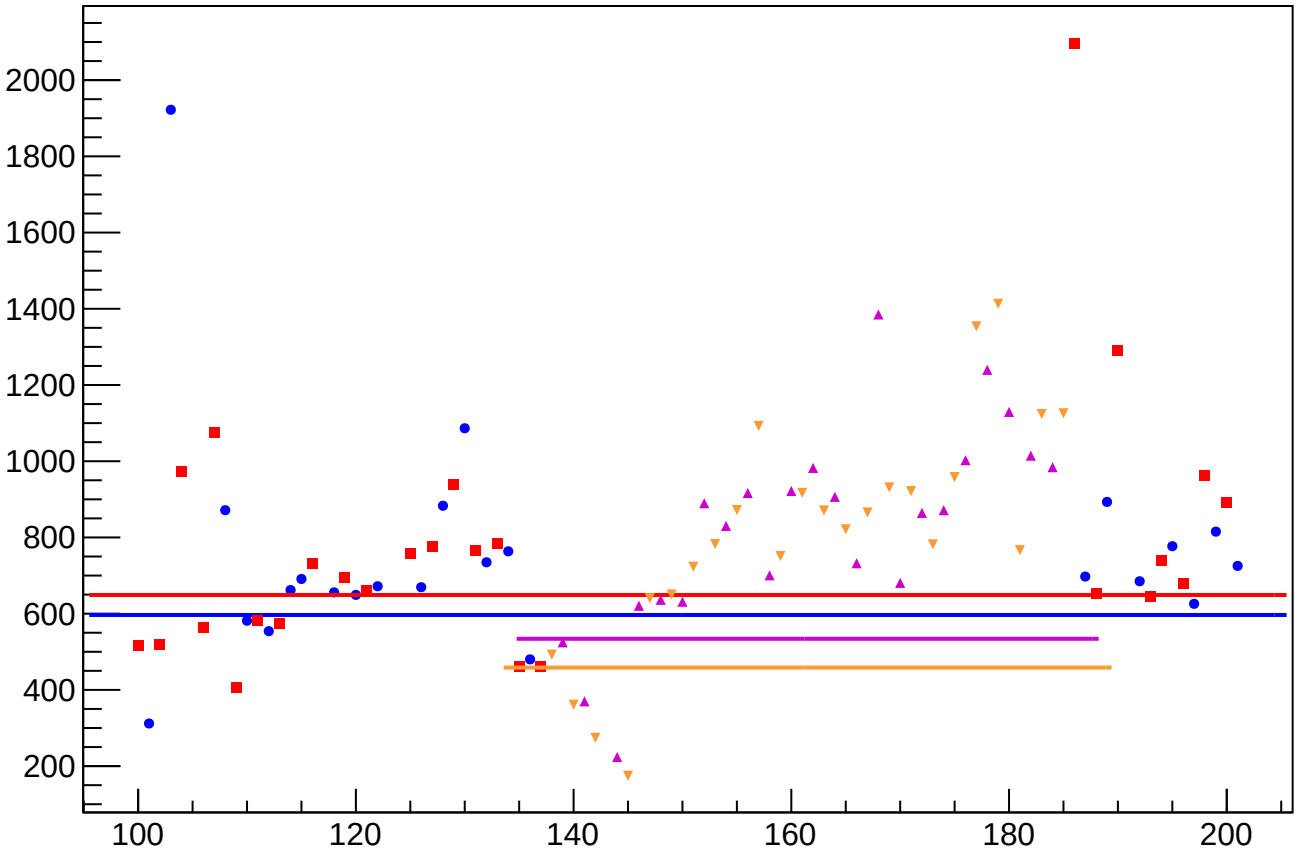
Right Out: 199.889+/-192.200 χ^2/NDF: 29.9/25

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 82.513+/-106.125 χ^2/NDF: 42.5/46

All: 45.338+/-77.957 χ^2/NDF: 91.3/95

- sign 1.768+/-114.891 χ^2/NDF: 48.6/48



Right In: 596.604+/-0.130 χ^2/NDF: 2409874.5/22

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 649.073+/-0.136 χ^2/NDF: 1836457.6/25

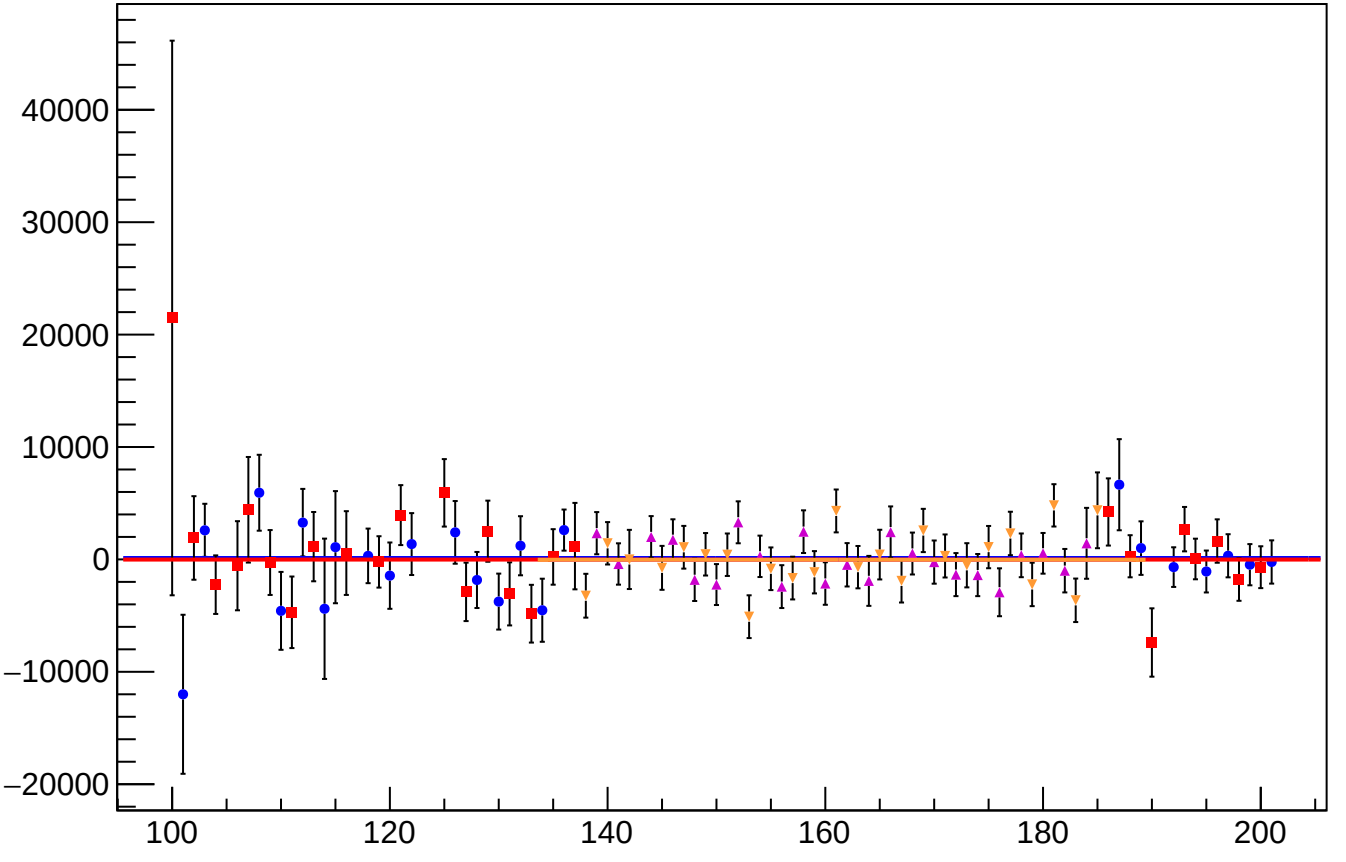
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 504.695+/-0.075 χ^2/NDF: 14589279.0/46

All: 537.165+/-0.055 χ^2/NDF: 25735161.9/95

- sign 575.222+/-0.081 χ^2/NDF: 10739210.4/48

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: -14.672+/-508.660 χ^2/NDF: 29.6/25

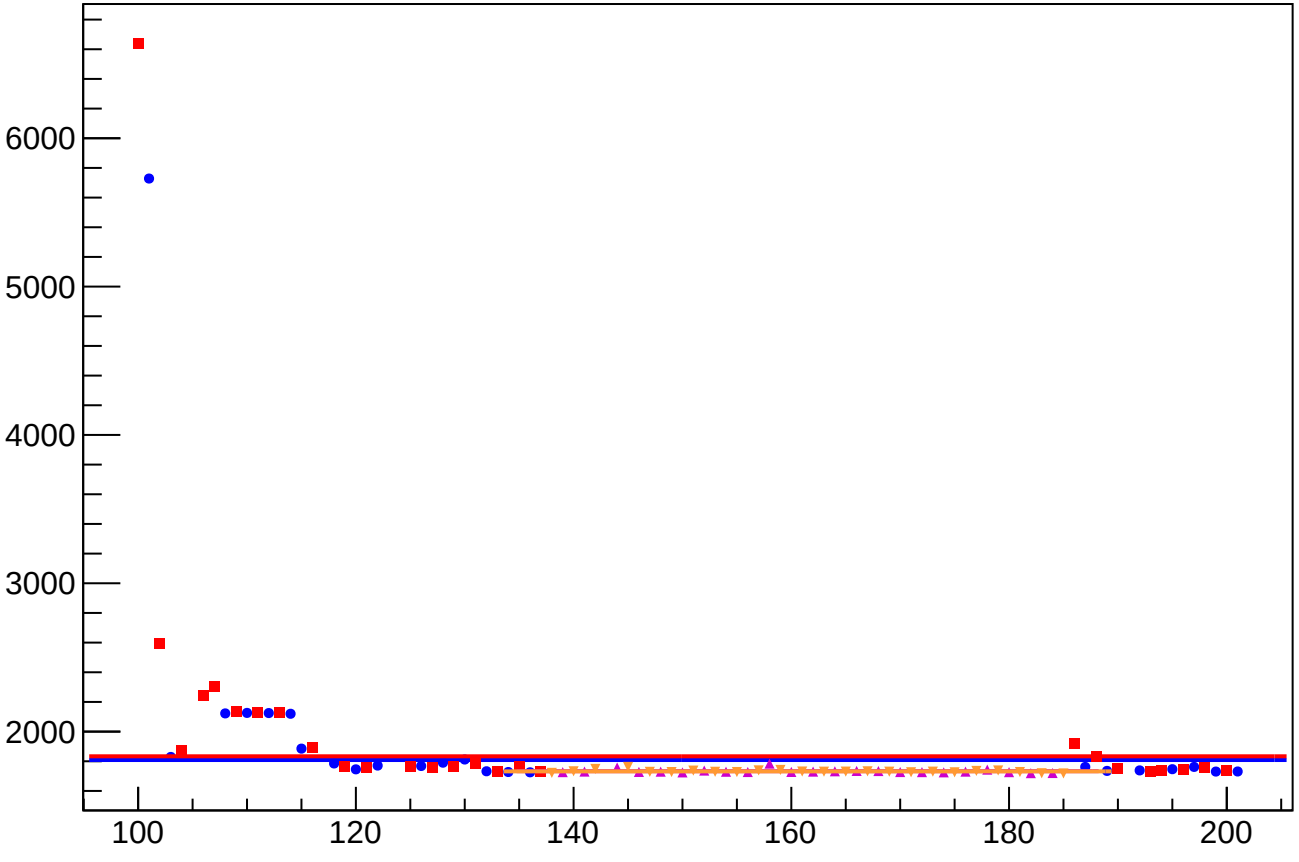
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 24.146+/-318.465 χ^2/NDF: 58.4/46

All: -7.084+/-224.560 χ^2/NDF: 107.3/95

- sign -37.967+/-316.695 χ^2/NDF: 49.0/48

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

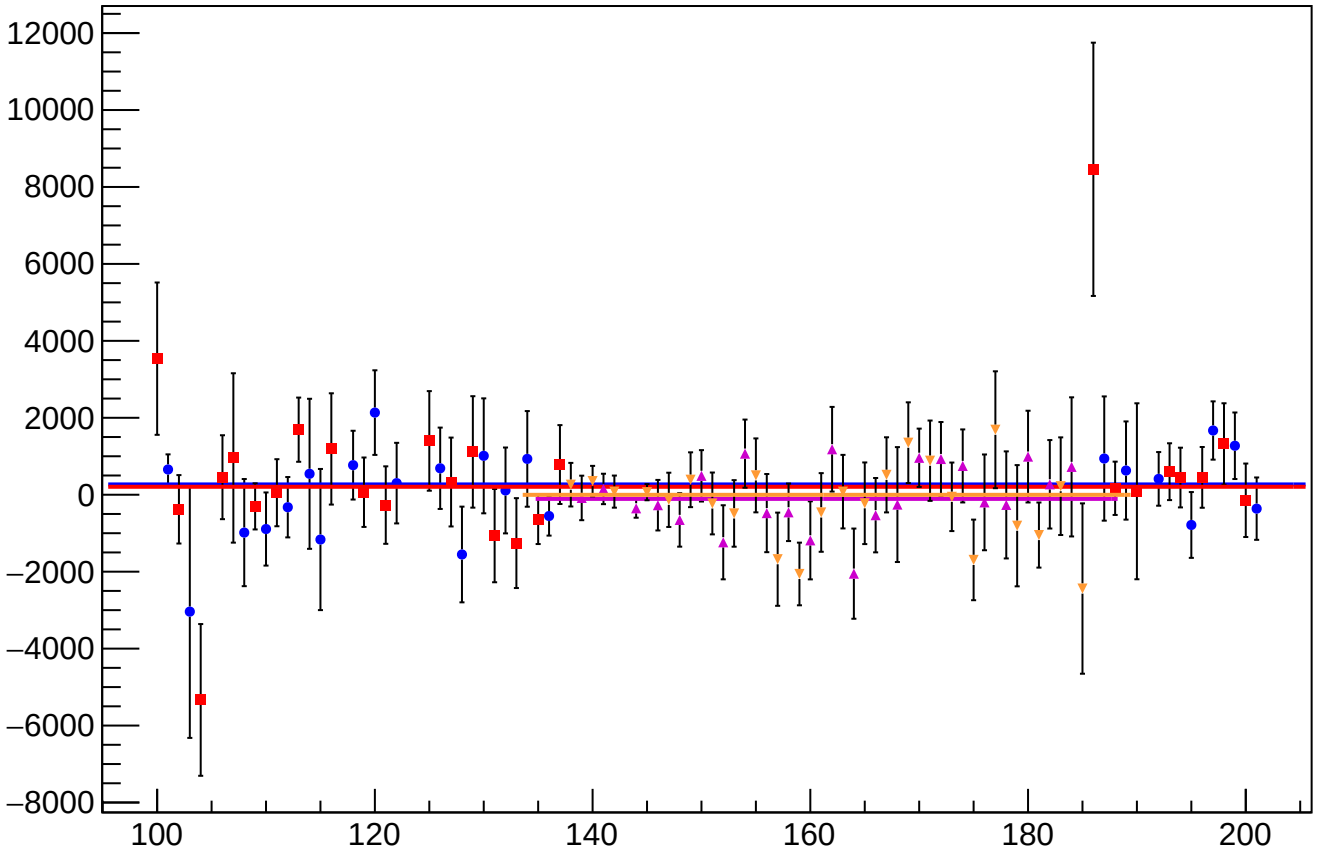
Right Out: 1833.526+/-0.360 χ^2/NDF: 300675.6/25

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1760.444+/-0.225 χ^2/NDF: 728877.8/46

All: 1766.335+/-0.159 χ^2/NDF: 1080680.2/95

- sign 1772.161+/-0.224 χ^2/NDF: 350441.2/48



Right In: 267.922+/-183.556 χ^2/NDF: 21.3/22

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

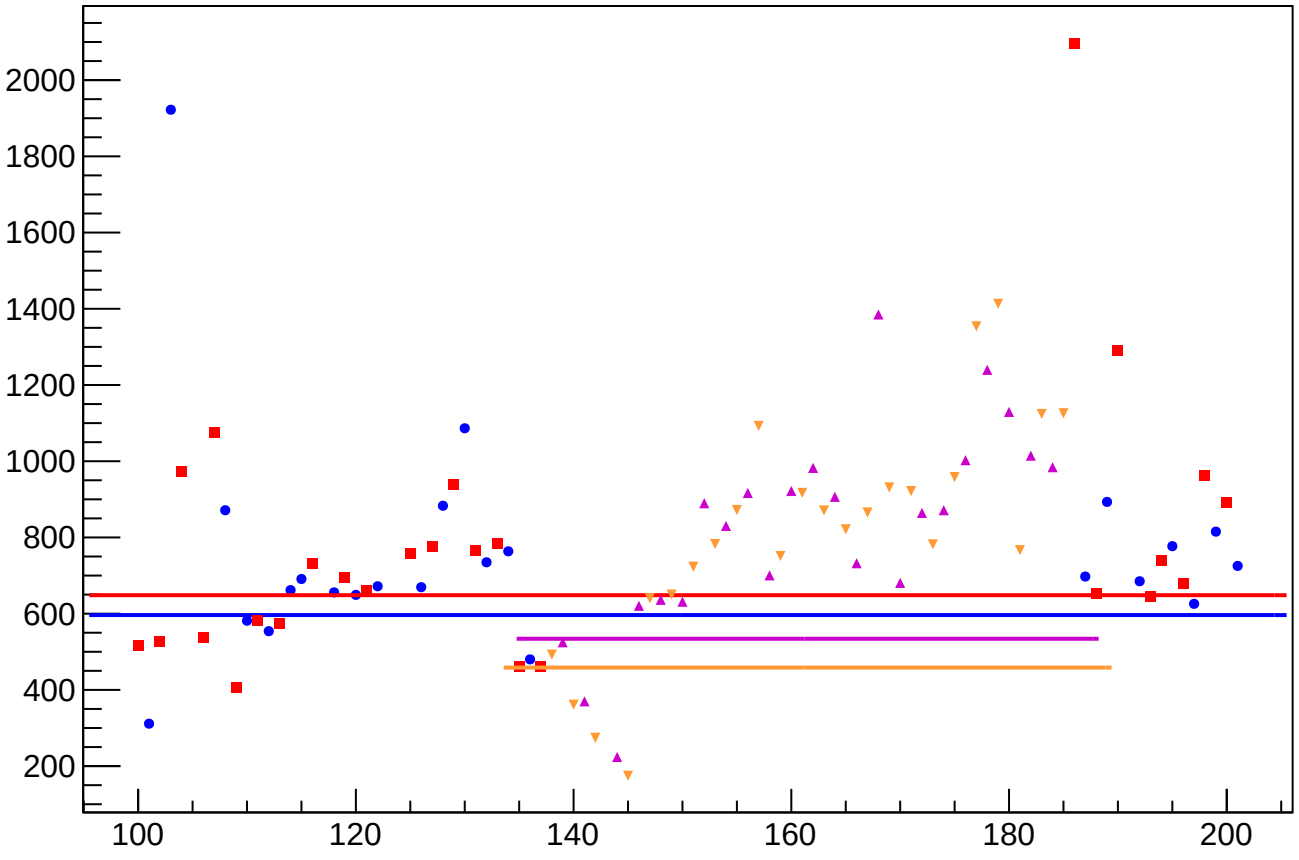
Right Out: 206.978+/-192.171 χ^2/NDF: 29.9/25

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 87.862+/-106.118 χ^2/NDF: 43.0/46

All: 49.411+/-77.952 χ^2/NDF: 91.9/95

- sign 4.343+/-114.885 χ^2/NDF: 48.6/48



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: 648.496+/-0.136 χ^2/NDF: 1841409.0/25

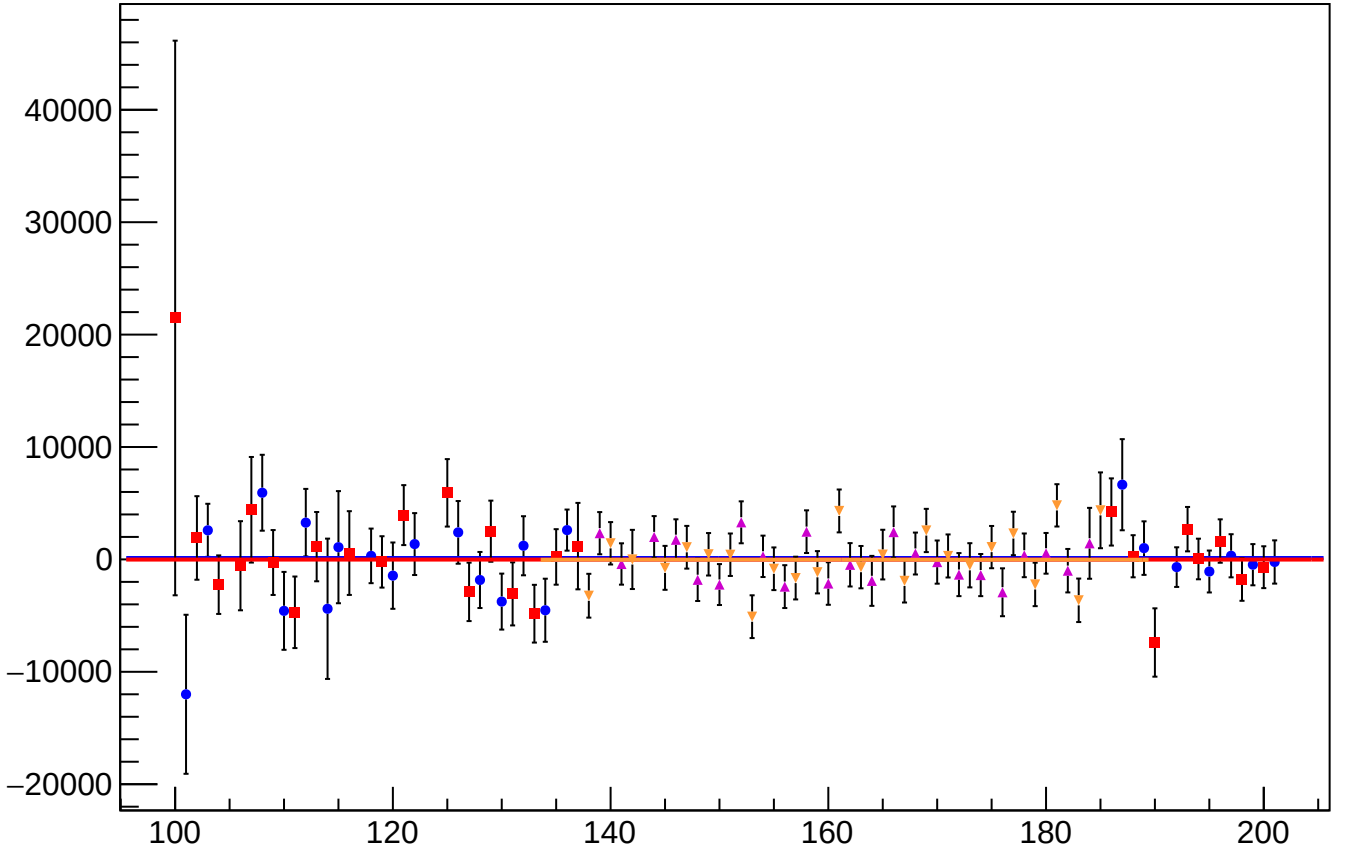
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 504.635+/-0.075 χ^2/NDF: 14592261.9/46

All: 537.044+/-0.055 χ^2/NDF: 25736549.0/95

- sign 575.029+/-0.081 χ^2/NDF: 10739105.4/48

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

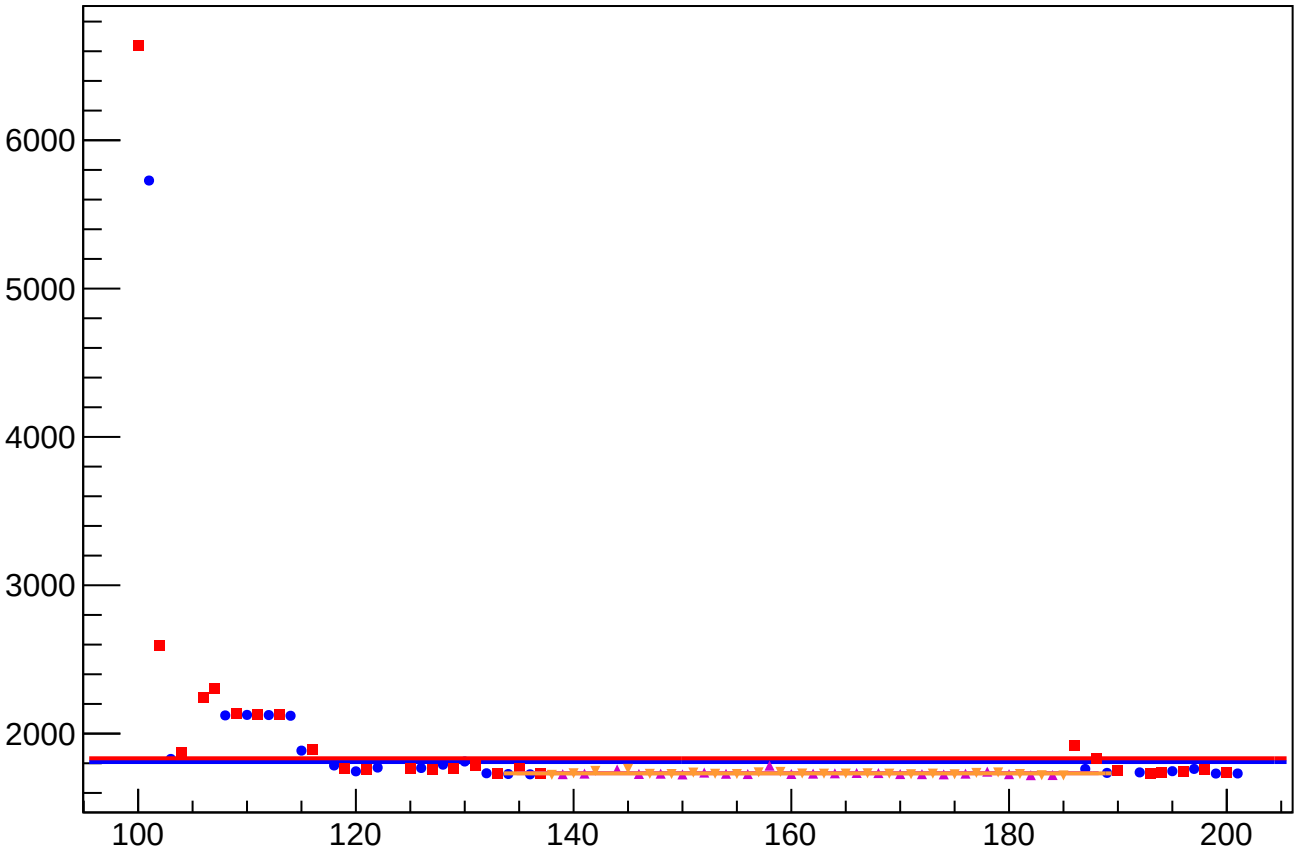
Right Out: -14.672+/-508.660 χ^2/NDF: 29.6/25

Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 24.146+/-318.465 χ^2/NDF: 58.4/46

All: -7.084+/-224.560 χ^2/NDF: 107.3/95

- sign -37.967+/-316.695 χ^2/NDF: 49.0/48



Right In: 1808.420+/-0.369 χ^2/NDF: 701016.0/22

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

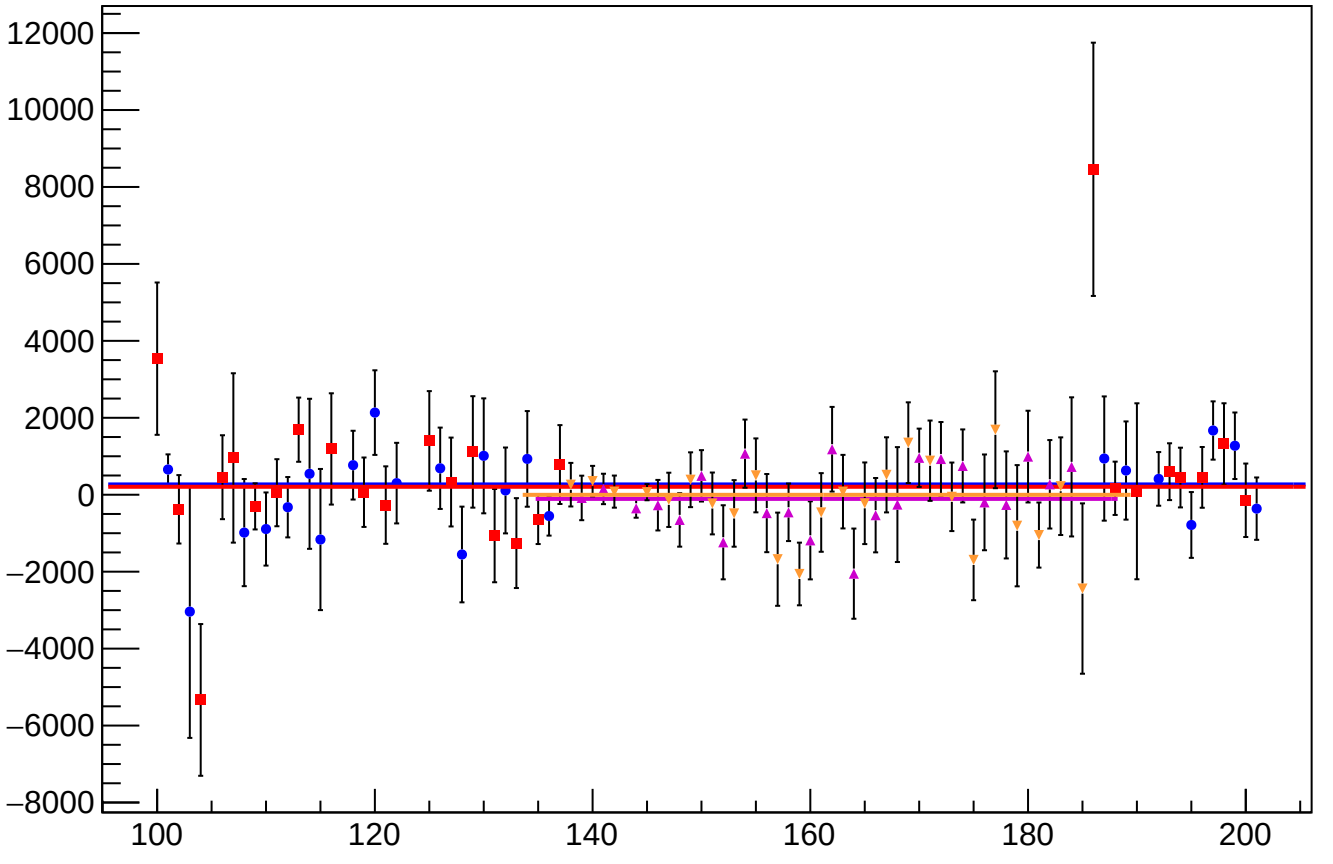
Right Out: 1833.526+/-0.360 χ^2/NDF: 300675.6/25

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1760.444+/-0.225 χ^2/NDF: 728877.8/46

All: 1766.335+/-0.159 χ^2/NDF: 1080680.2/95

- sign 1772.161+/-0.224 χ^2/NDF: 350441.2/48



Right In: 267.922+/-183.556 χ^2/NDF: 21.3/22

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

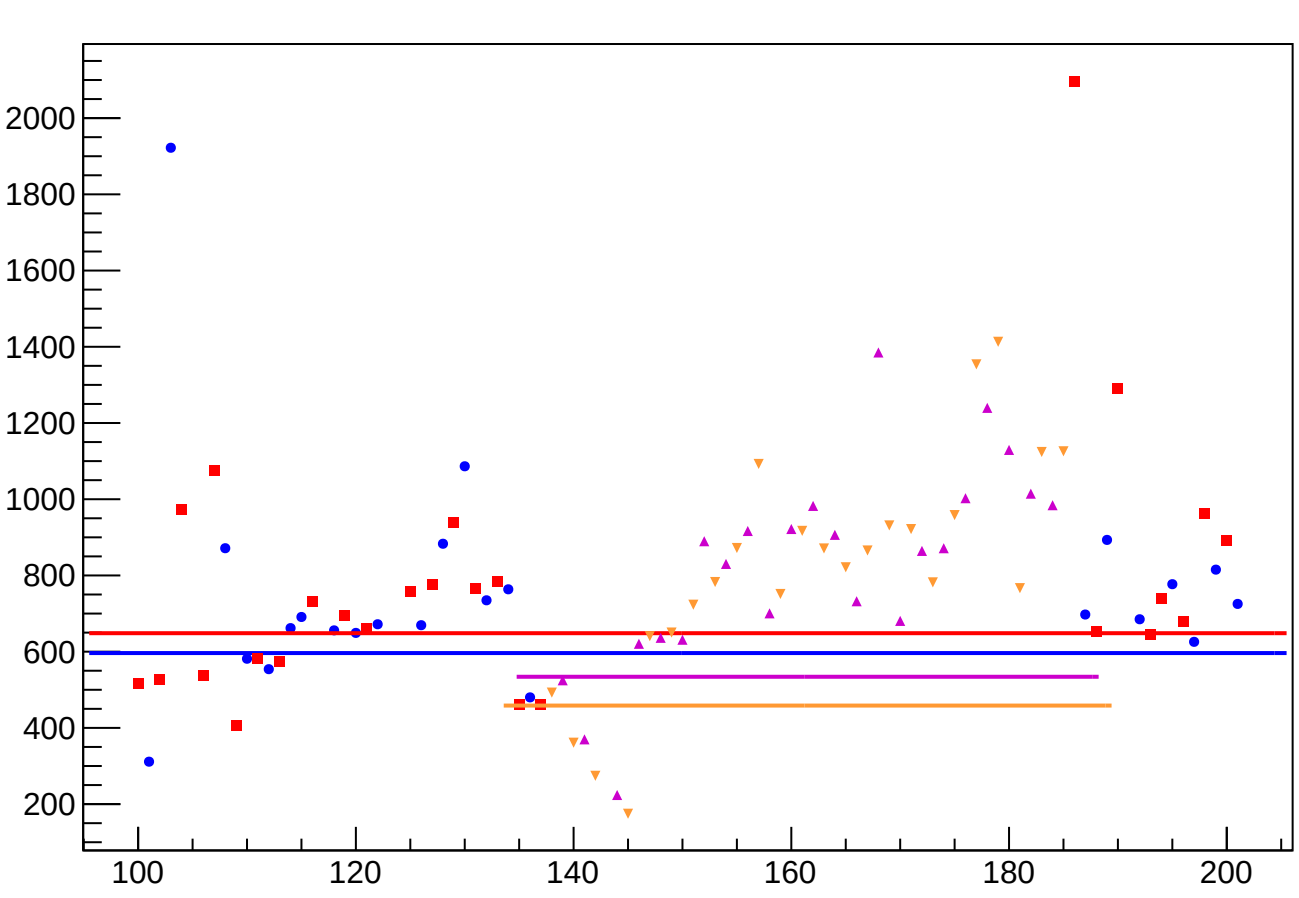
Right Out: 206.978+/-192.171 χ^2/NDF: 29.9/25

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 87.862+/-106.118 χ^2/NDF: 43.0/46

All: 49.411+/-77.952 χ^2/NDF: 91.9/95

- sign 4.343+/-114.885 χ^2/NDF: 48.6/48



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: 648.496+/-0.136 χ^2/NDF: 1841409.0/25

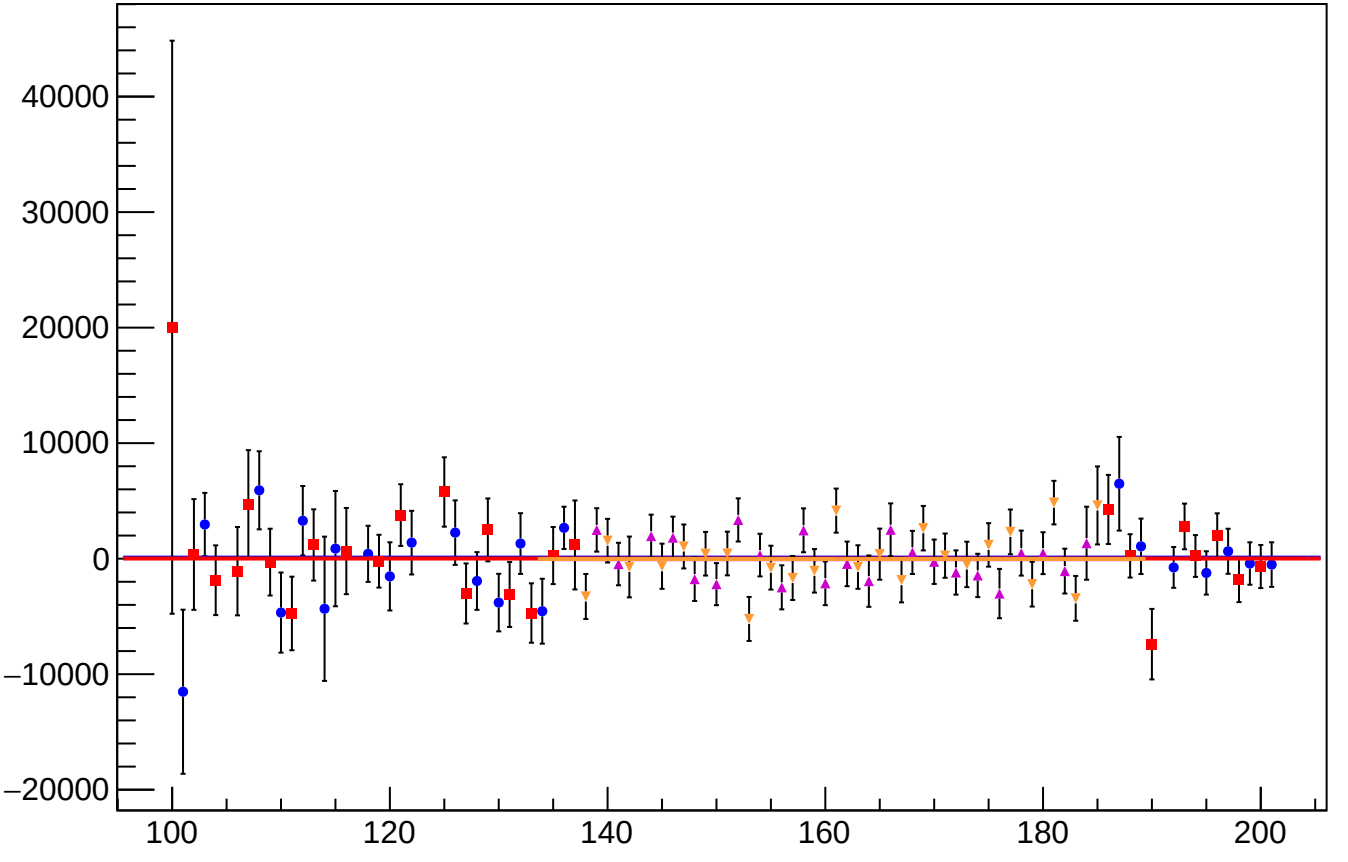
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 504.635+/-0.075 χ^2/NDF: 14592261.9/46

All: 537.044+/-0.055 χ^2/NDF: 25736549.0/95

- sign 575.029+/-0.081 χ^2/NDF: 10739105.4/48

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: 11.599+/-514.075 χ^2/NDF: 29.1/25

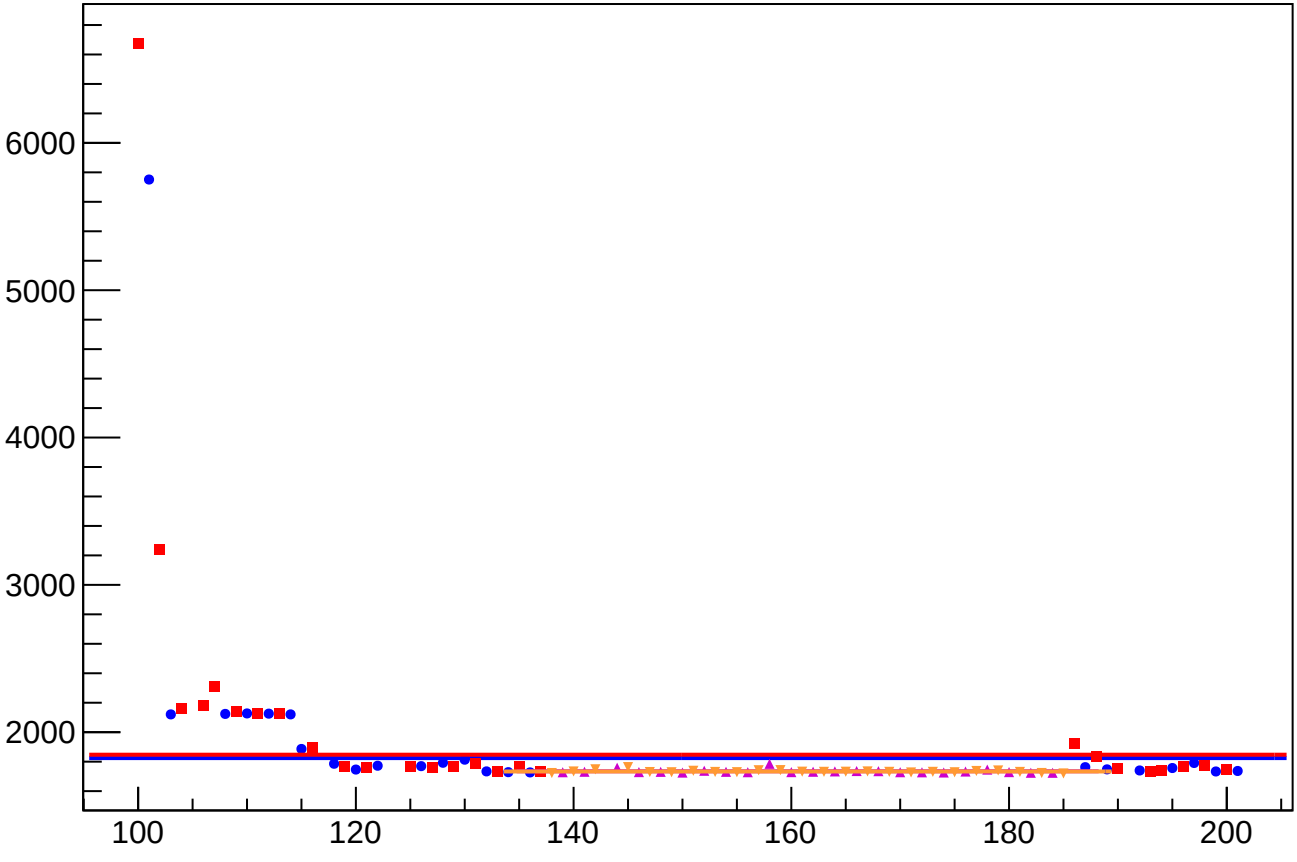
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 15.168+/-319.726 χ^2/NDF: 58.6/46

All: -3.385+/-225.524 χ^2/NDF: 107.5/95

- sign -21.757+/-318.158 χ^2/NDF: 49.0/48

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

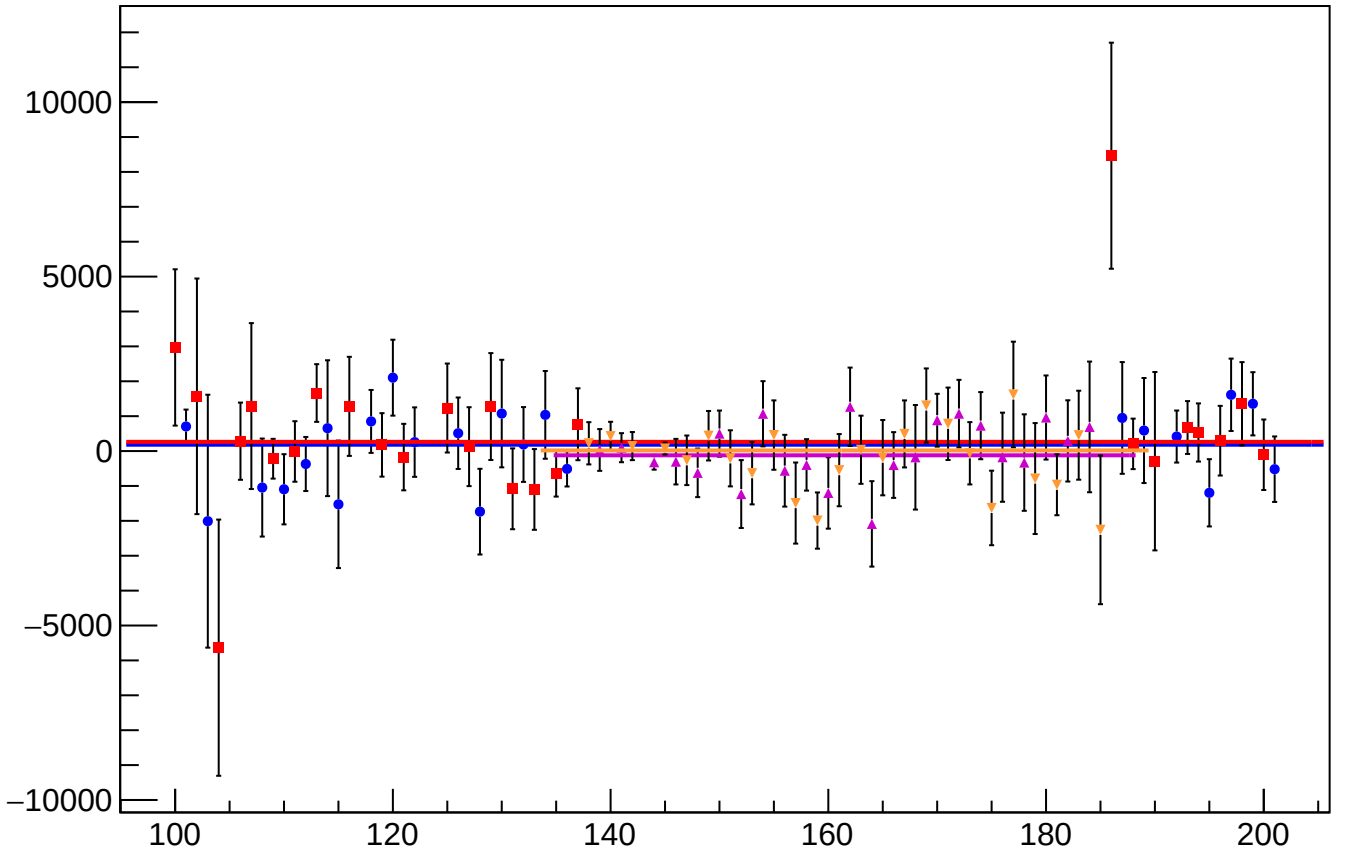
Right Out: 1847.241+/-0.364 χ^2/NDF: 401490.5/25

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1766.905+/-0.226 χ^2/NDF: 762410.0/46

All: 1772.417+/-0.159 χ^2/NDF: 1226281.6/95

- sign 1777.874+/-0.225 χ^2/NDF: 462688.8/48



Right In: 182.105+/-197.588 χ^2/NDF: 20.8/22

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

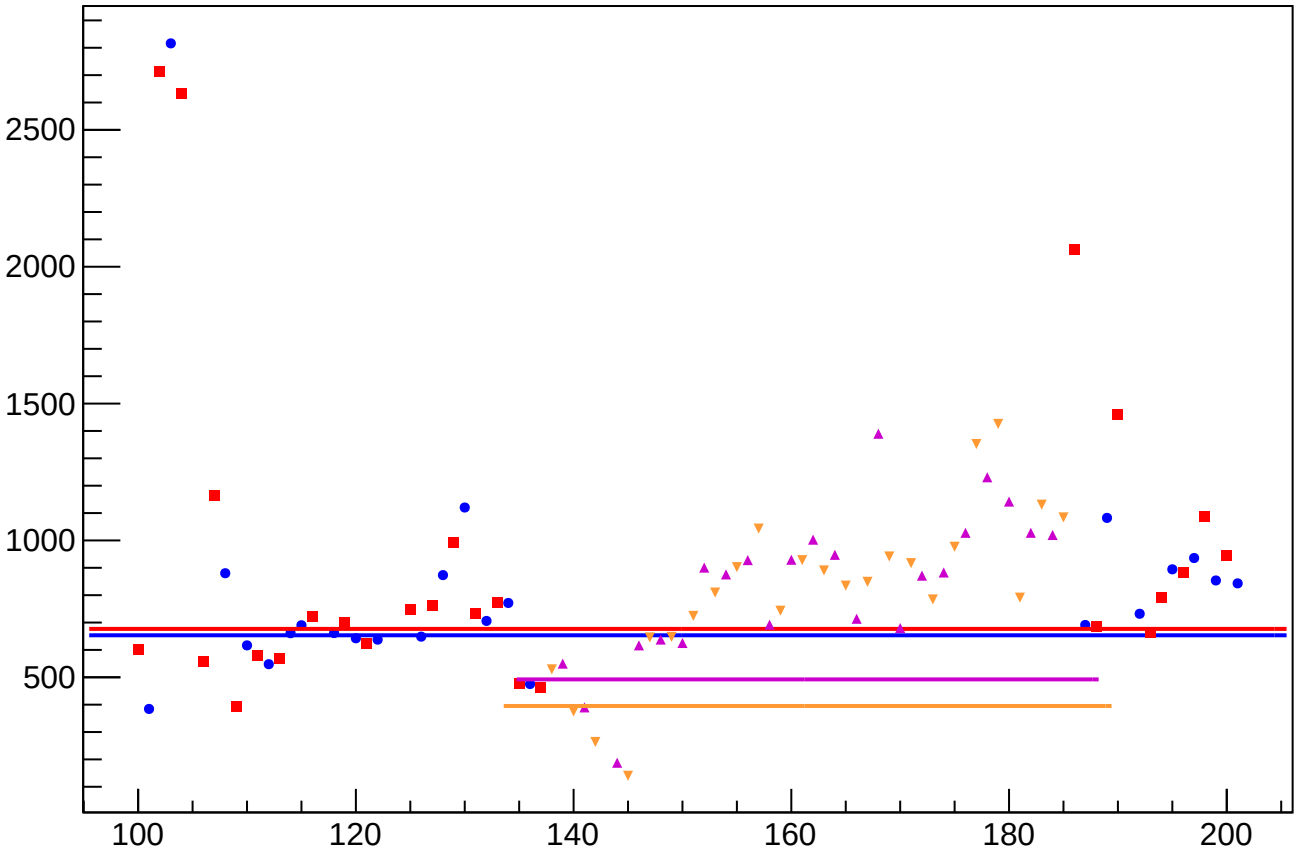
Right Out: 263.914+/-201.782 χ^2/NDF: 22.5/25

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 61.880+/-102.149 χ^2/NDF: 40.8/46

All: 34.236+/-75.906 χ^2/NDF: 82.4/95

- sign 0.149+/-113.429 χ^2/NDF: 41.4/48



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: 676.827+/-0.143 χ^2/NDF: 3416424.2/25

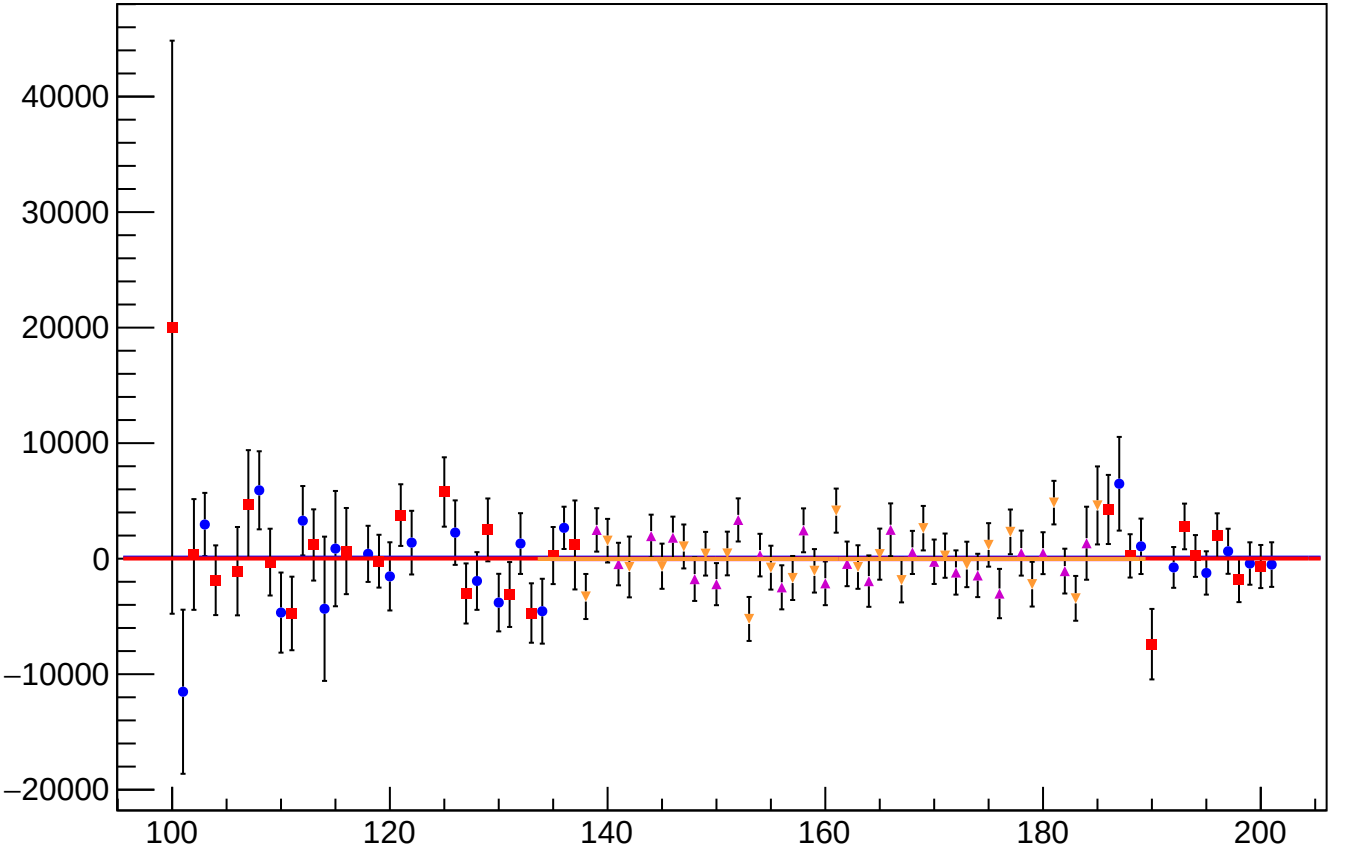
Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 464.220+/-0.072 χ^2/NDF: 19419879.7/46

All: 502.905+/-0.054 χ^2/NDF: 35040458.0/95

- sign 550.606+/-0.080 χ^2/NDF: 14980032.3/48

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: 11.598+/-514.075 χ^2/NDF: 29.1/25

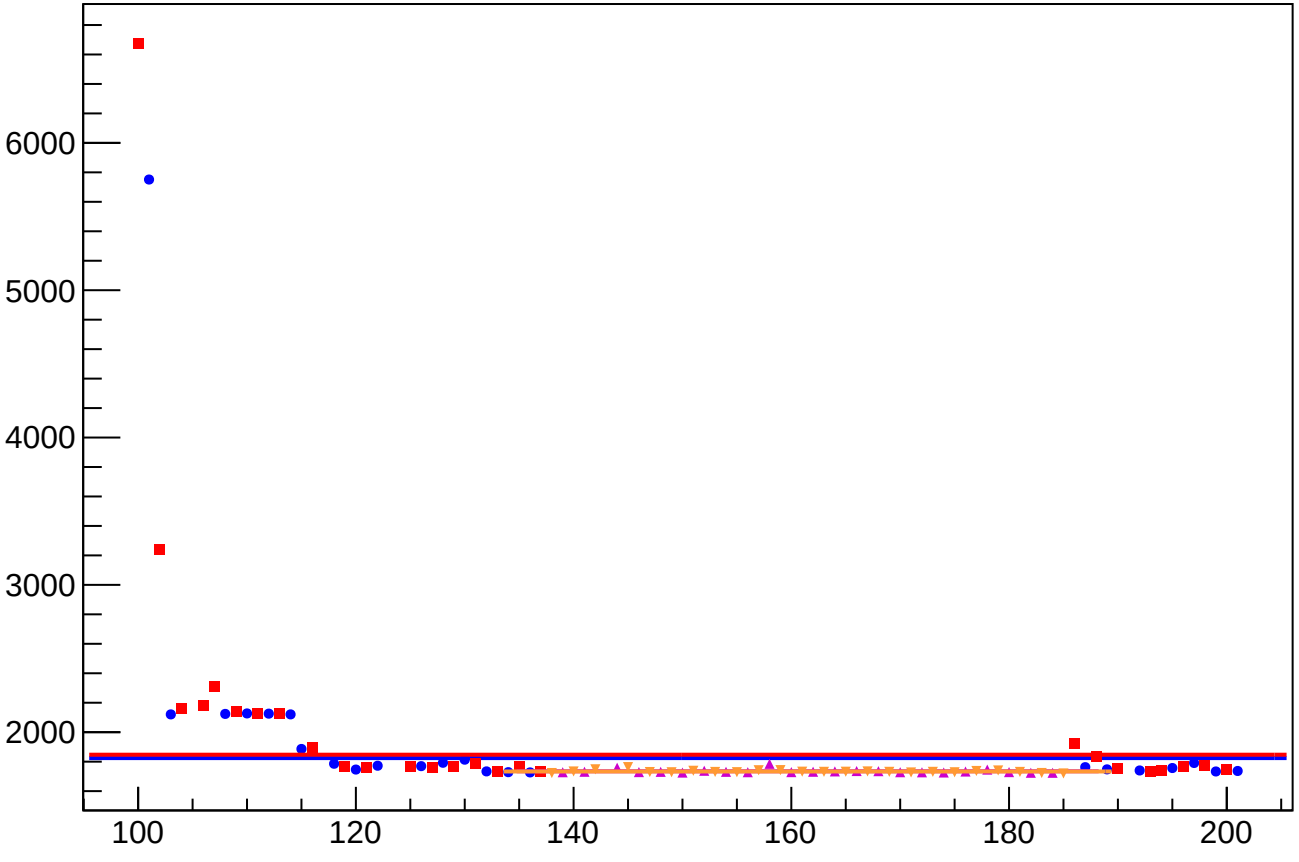
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 15.165+/-319.726 χ^2/NDF: 58.6/46

All: -3.387+/-225.524 χ^2/NDF: 107.5/95

- sign -21.757+/-318.158 χ^2/NDF: 49.0/48

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

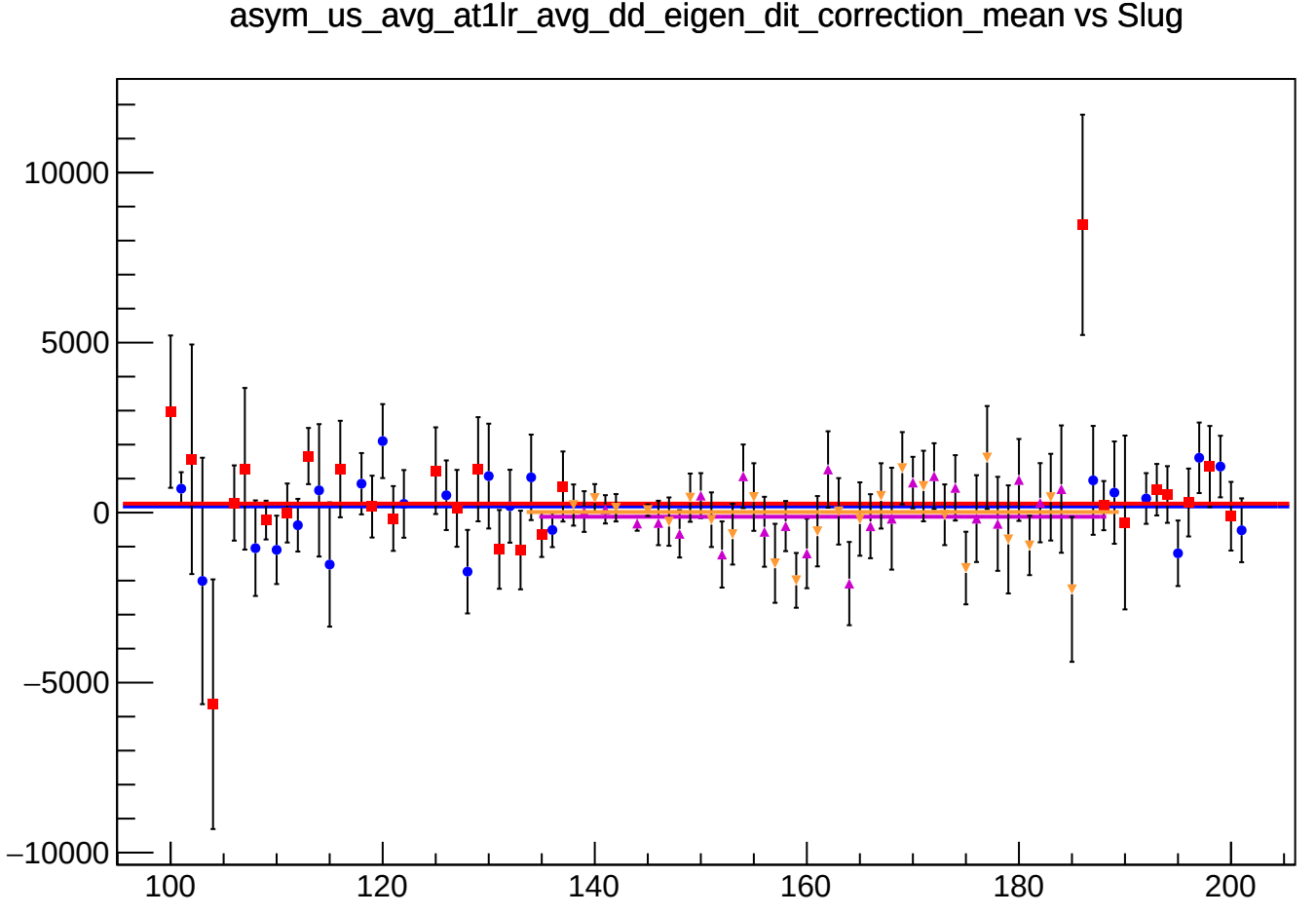
Right Out: 1847.241+/-0.364 χ^2/NDF: 401489.6/25

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1766.905+/-0.226 χ^2/NDF: 762409.6/46

All: 1772.417+/-0.159 χ^2/NDF: 1226280.4/95

- sign 1777.874+/-0.225 χ^2/NDF: 462687.9/48



Right In: 182.103+/-197.587 χ^2/NDF: 20.8/22

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

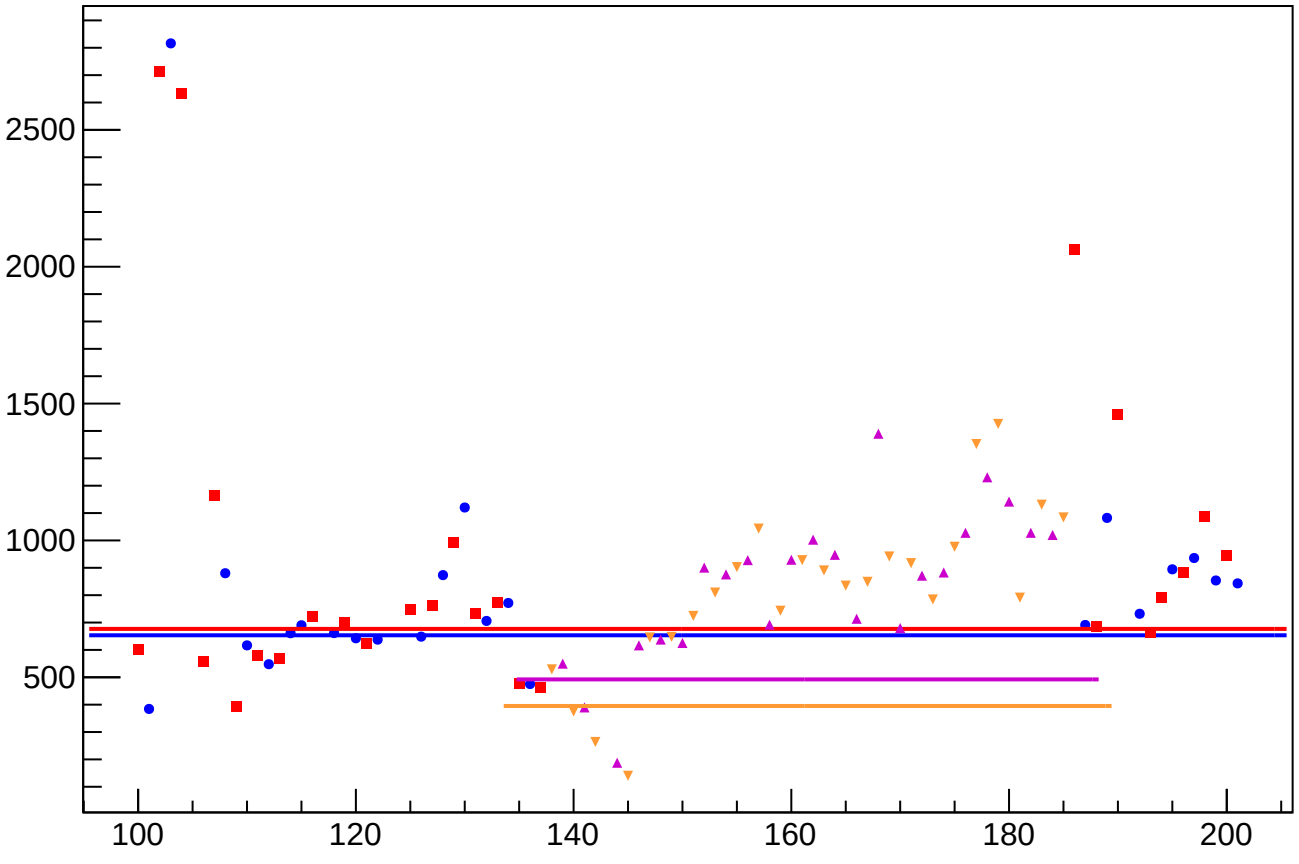
Right Out: 263.912+/-201.781 χ^2/NDF: 22.5/25

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 61.878+/-102.149 χ^2/NDF: 40.8/46

All: 34.235+/-75.906 χ^2/NDF: 82.4/95

- sign 0.149+/-113.429 χ^2/NDF: 41.4/48



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: 676.823+/-0.143 χ^2/NDF: 3416458.8/25

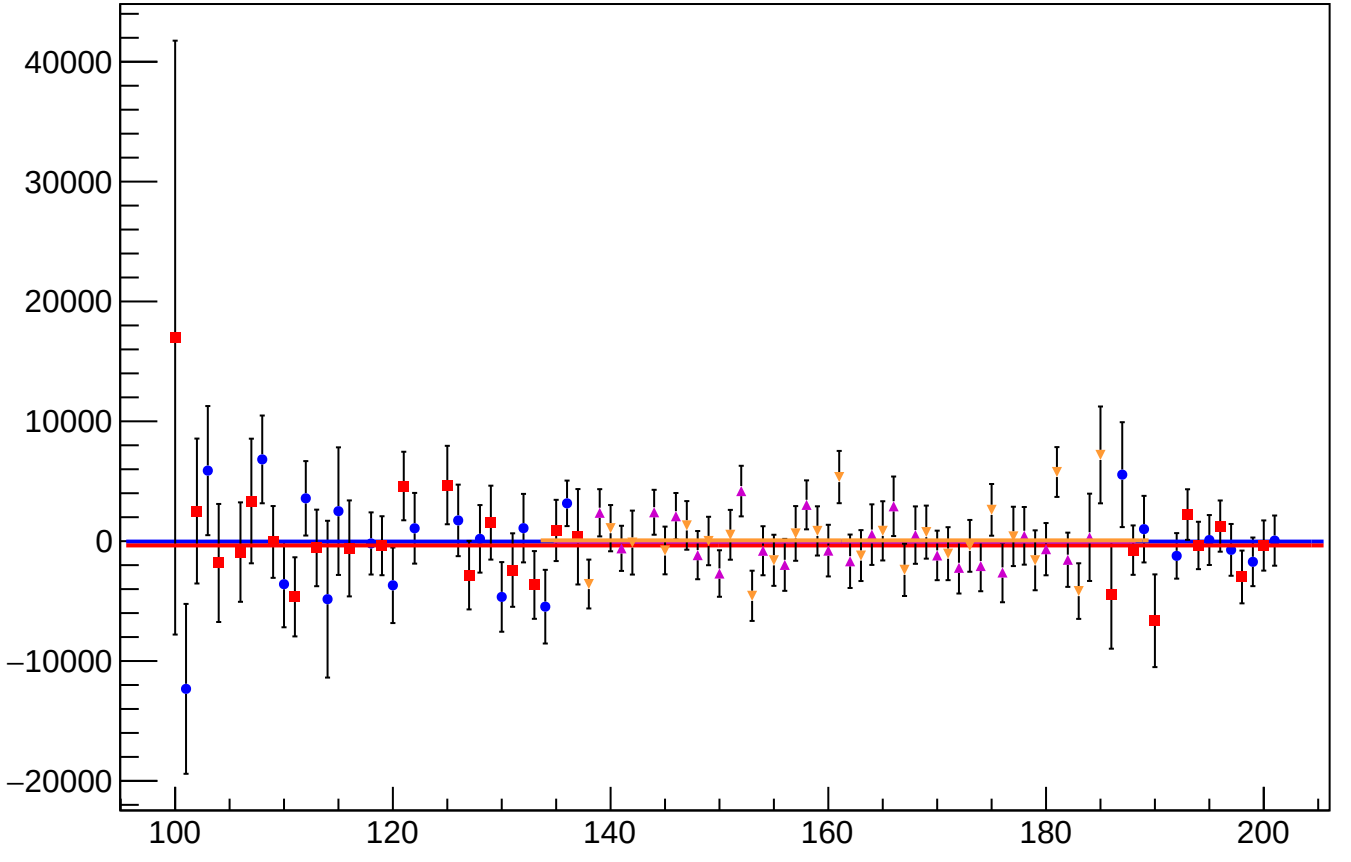
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 464.220+/-0.072 χ^2/NDF: 19419900.2/46

All: 502.905+/-0.054 χ^2/NDF: 35040482.1/95

- sign 550.606+/-0.080 χ^2/NDF: 14980038.4/48

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: -355.851+/-570.629 χ^2/NDF: 18.6/25

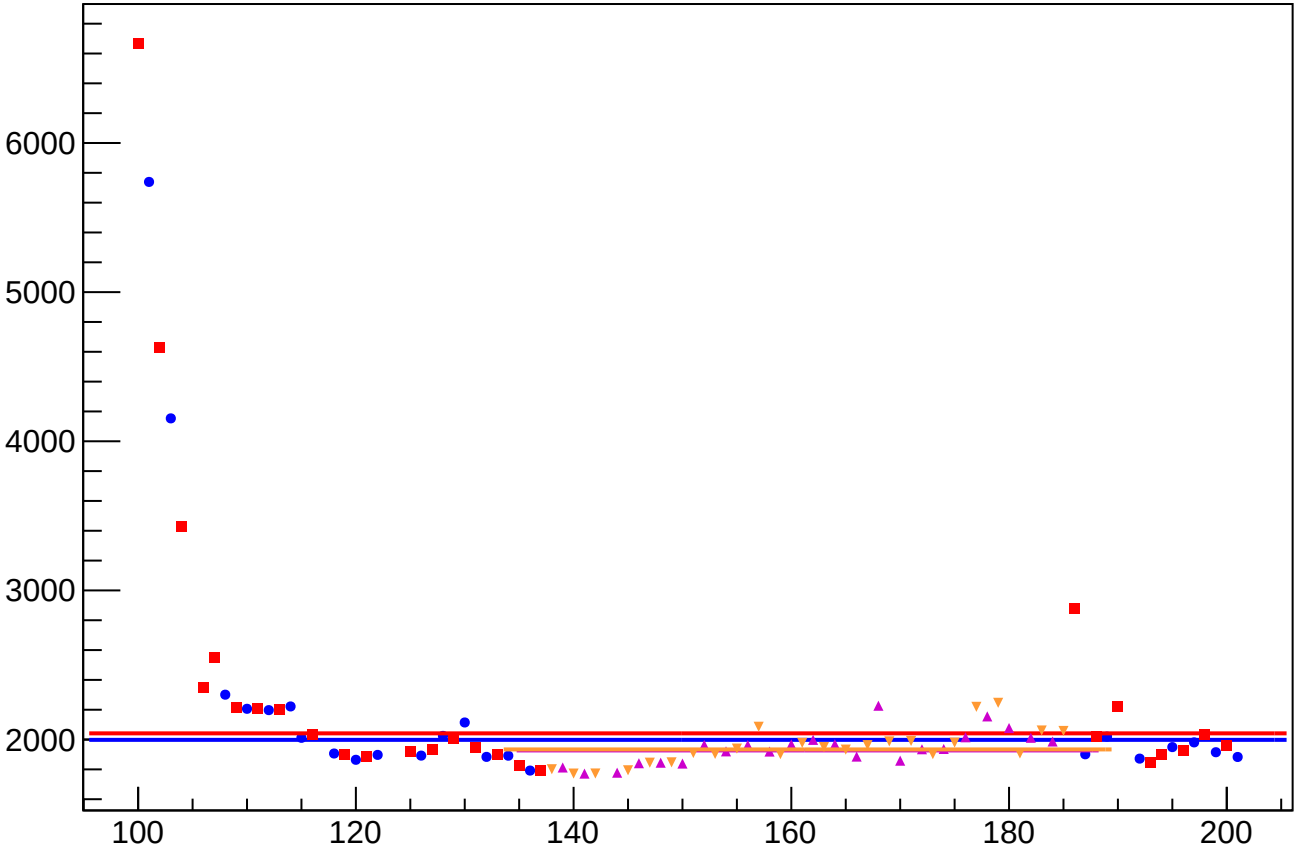
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 28.582+/-355.469 χ^2/NDF: 57.9/46

All: -62.396+/-250.731 χ^2/NDF: 96.8/95

- sign -152.477+/-353.712 χ^2/NDF: 38.8/48

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

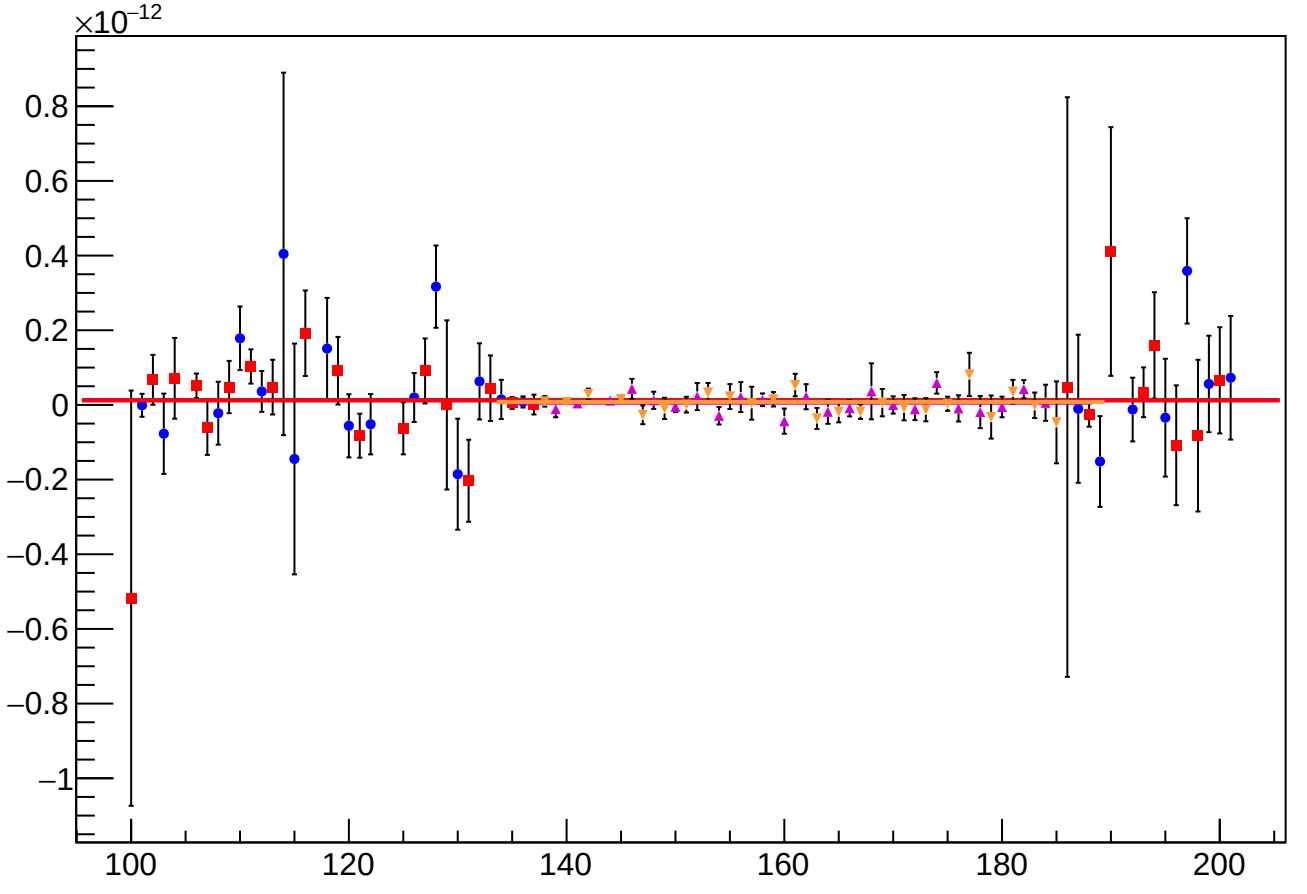
Right Out: 2041.605+/-0.403 χ^2/NDF: 799127.5/25

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1957.880+/-0.251 χ^2/NDF: 1116174.2/46

All: 1964.529+/-0.177 χ^2/NDF: 2082698.4/95

- sign 1971.112+/-0.250 χ^2/NDF: 965131.7/48



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

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

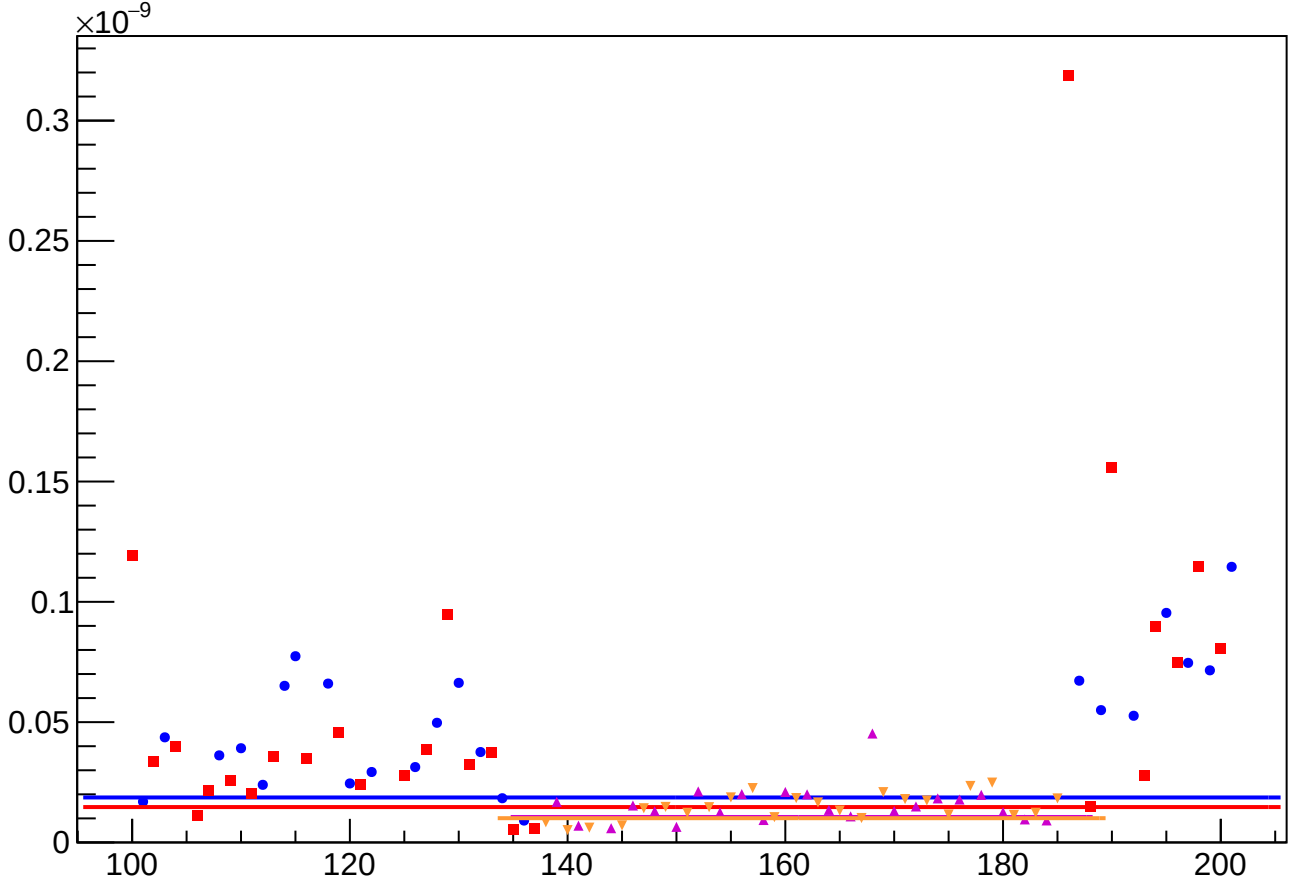
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/25

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: 86.8/95

- sign 0.000+/-0.000 χ^2/NDF: 42.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 4459428.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

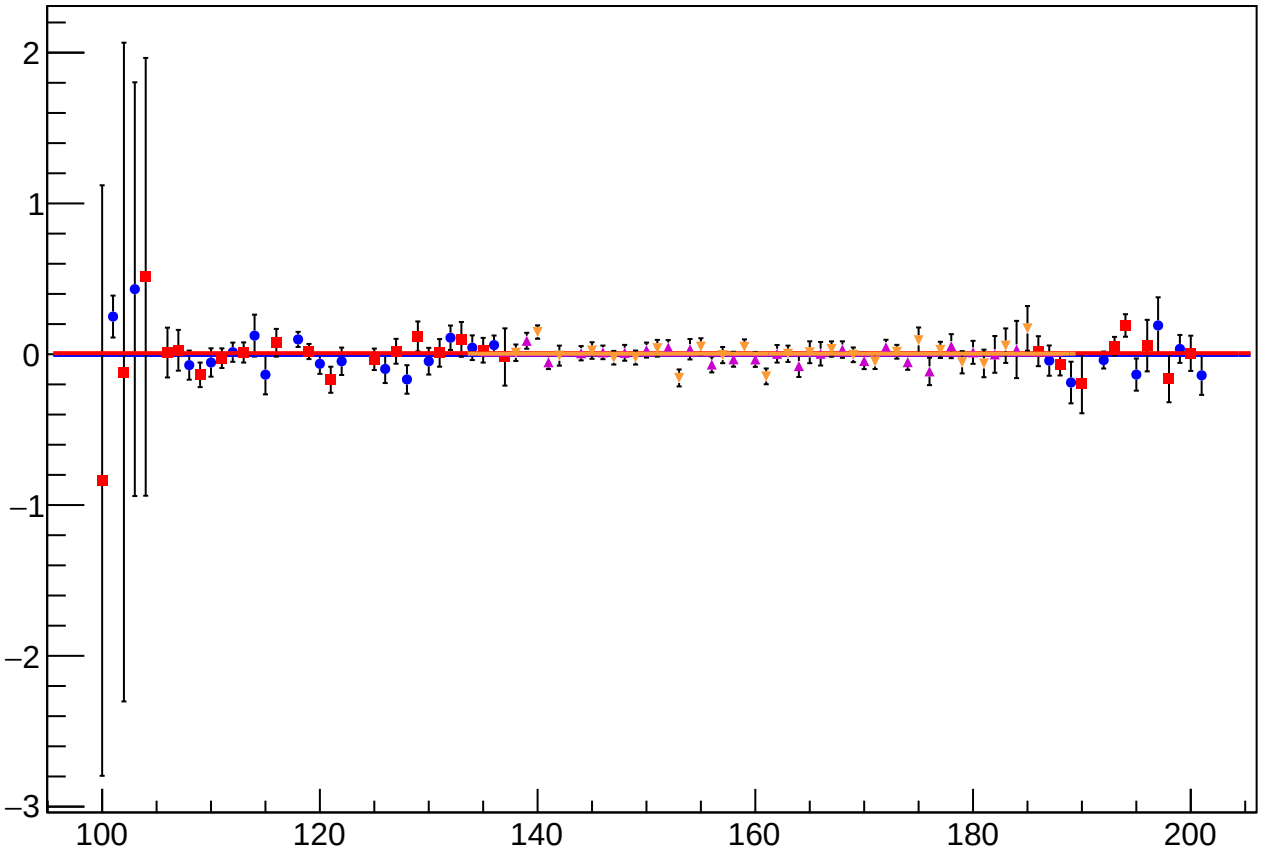
Right Out: 0.000+/-0.000 χ^2/NDF: 5042841.2/25

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: 15657191.7/95

- sign 0.000+/-0.000 χ^2/NDF: 7906893.3/48



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: 20.6/25

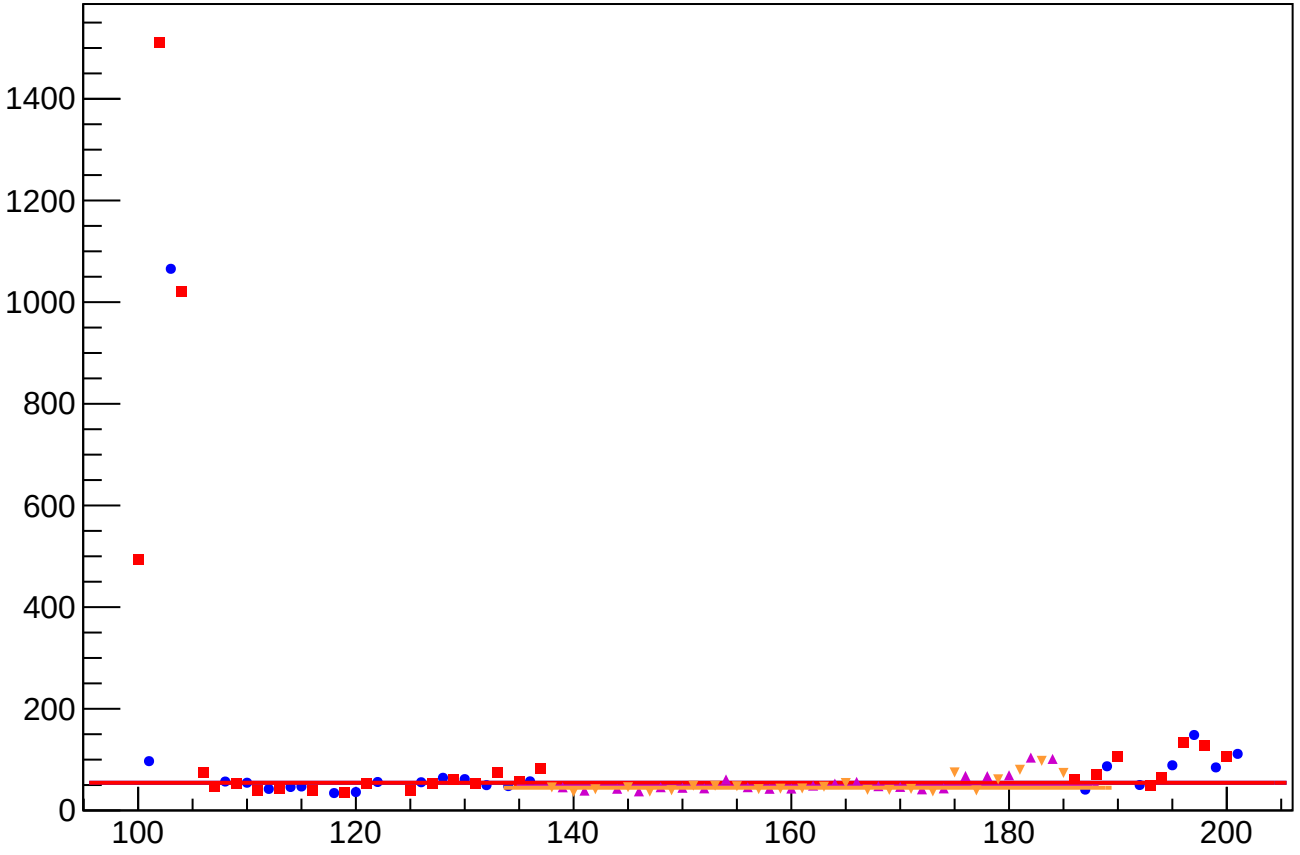
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 60.3/46

All: 0.001+/-0.007 χ^2/NDF: 95.6/95

- sign 0.000+/-0.010 χ^2/NDF: 35.3/48

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: 54.463+/-0.013 χ^2/NDF: 4154479.2/25

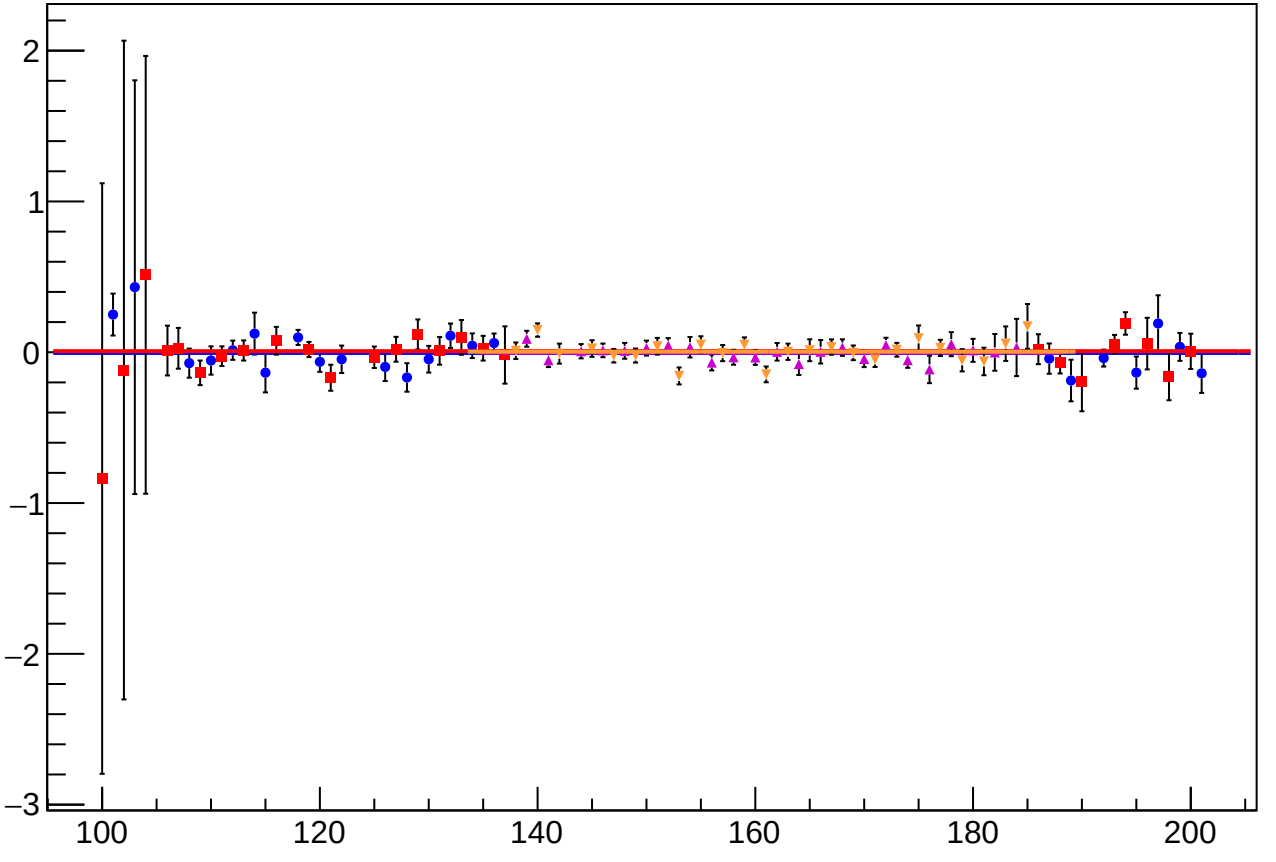
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 47.515+/-0.007 χ^2/NDF: 5257626.3/46

All: 48.383+/-0.005 χ^2/NDF: 11063529.3/95

- sign 49.294+/-0.007 χ^2/NDF: 5773218.2/48

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

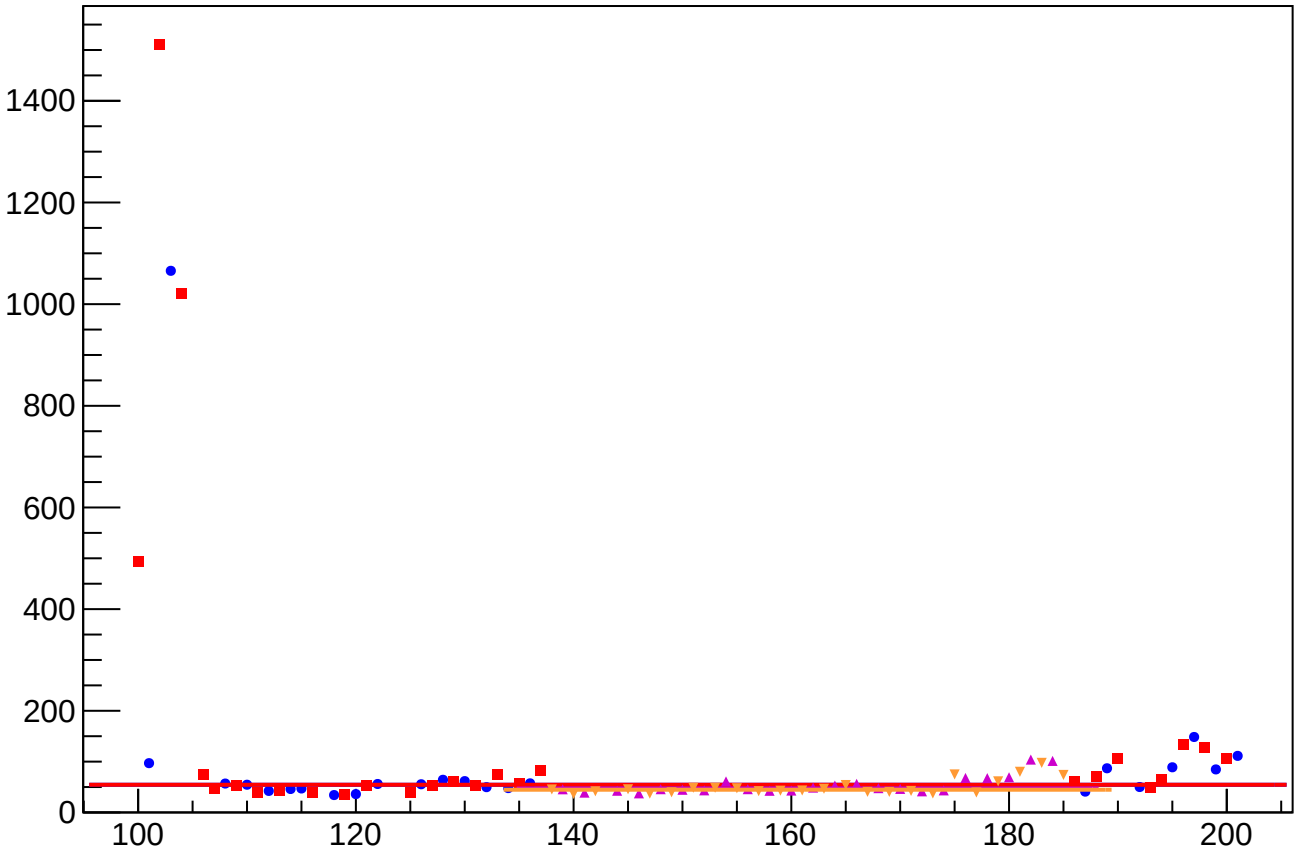
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/25

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: 95.6/95

- sign 0.000+/-0.010 χ^2/NDF: 35.3/48



Right In: 54.432+/-0.013 χ^2/NDF: 3368519.6/22

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

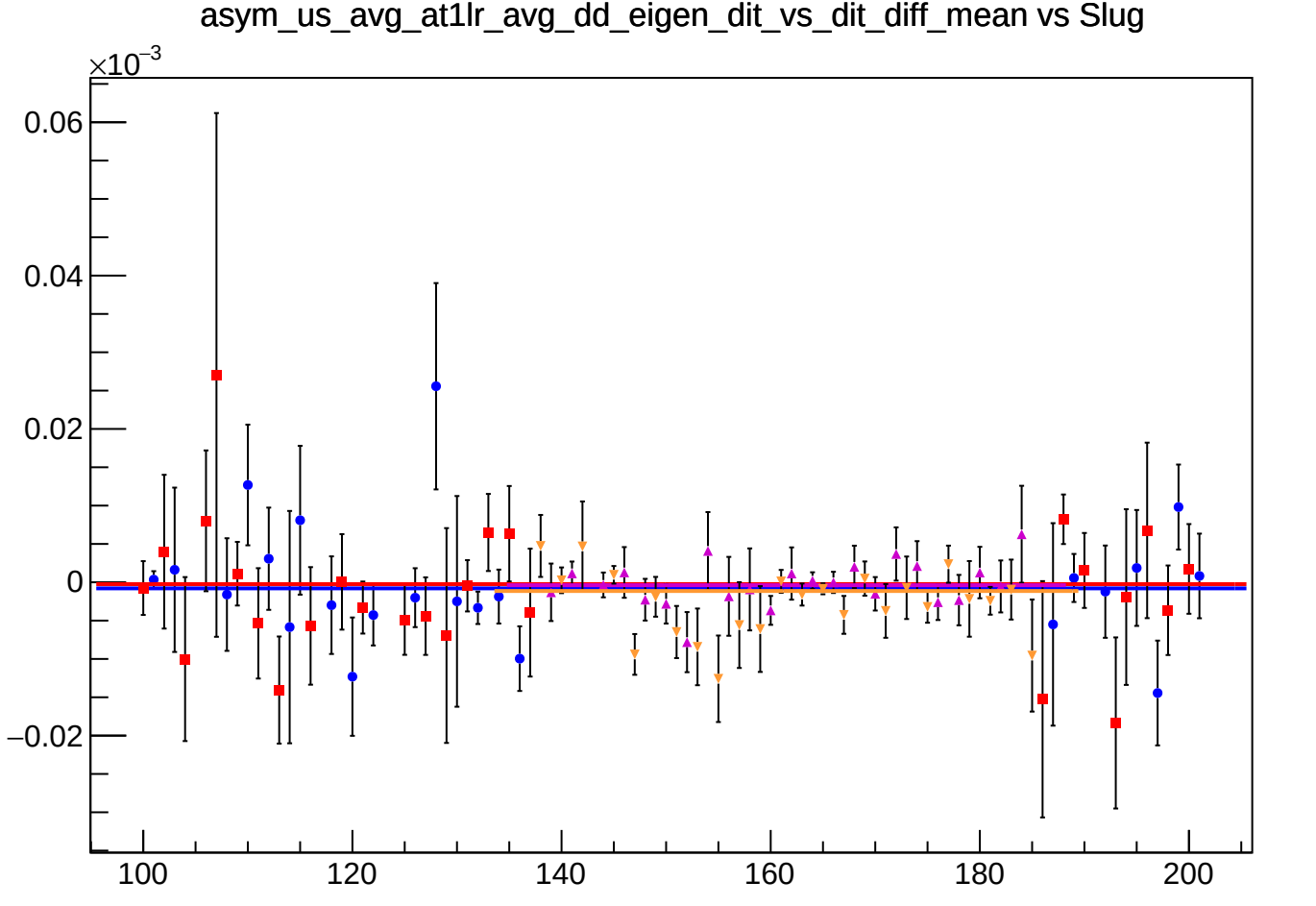
Right Out: 54.463+/-0.013 χ^2/NDF: 4154479.2/25

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 47.515+/-0.007 χ^2/NDF: 5257626.3/46

All: 48.383+/-0.005 χ^2/NDF: 11063529.3/95

- sign 49.294+/-0.007 χ^2/NDF: 5773218.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

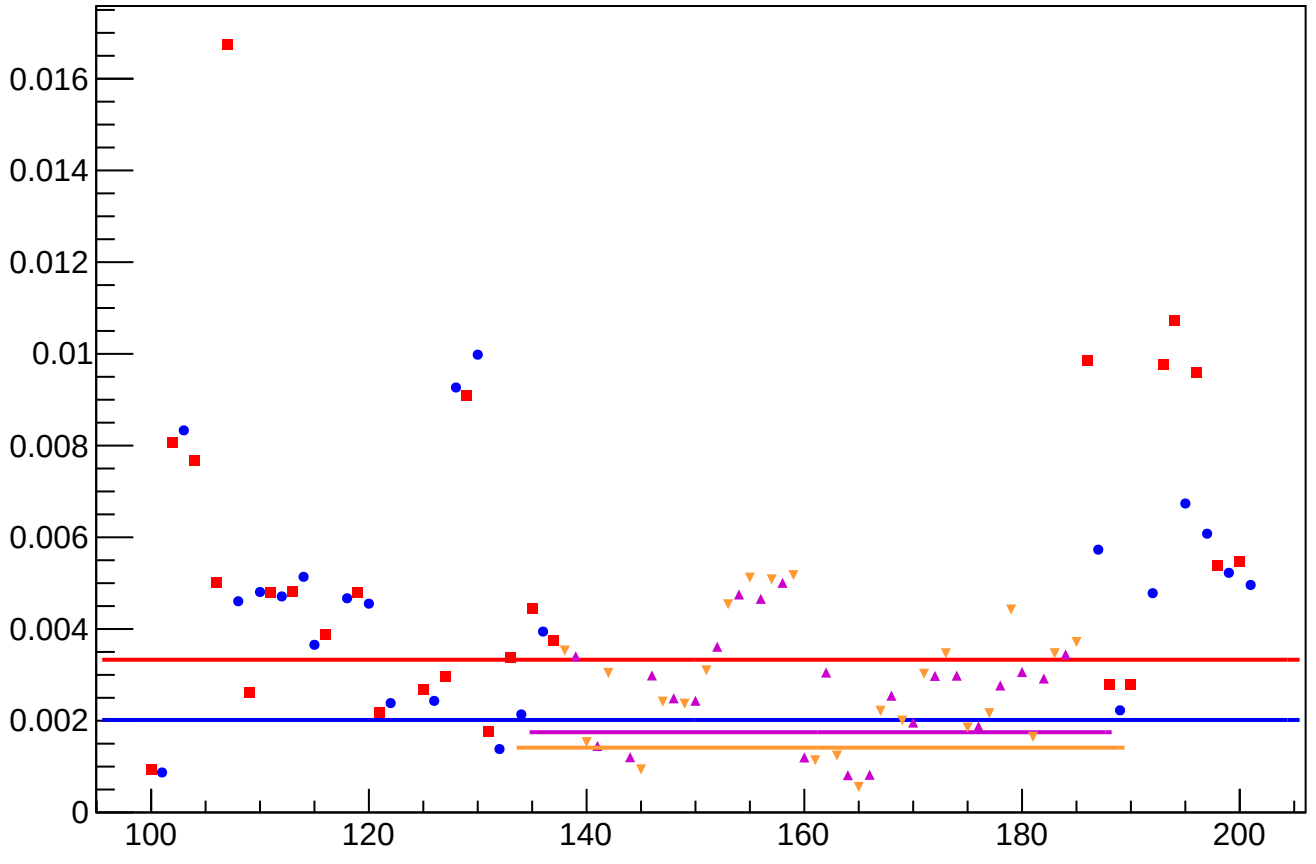
Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/25

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.8/46

All: -0.000+/-0.000 χ^2/NDF: 105.4/95

- sign -0.000+/-0.000 χ^2/NDF: 41.2/48



Right In: 0.002+/-0.000 χ^2/NDF: 9606616.7/22

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

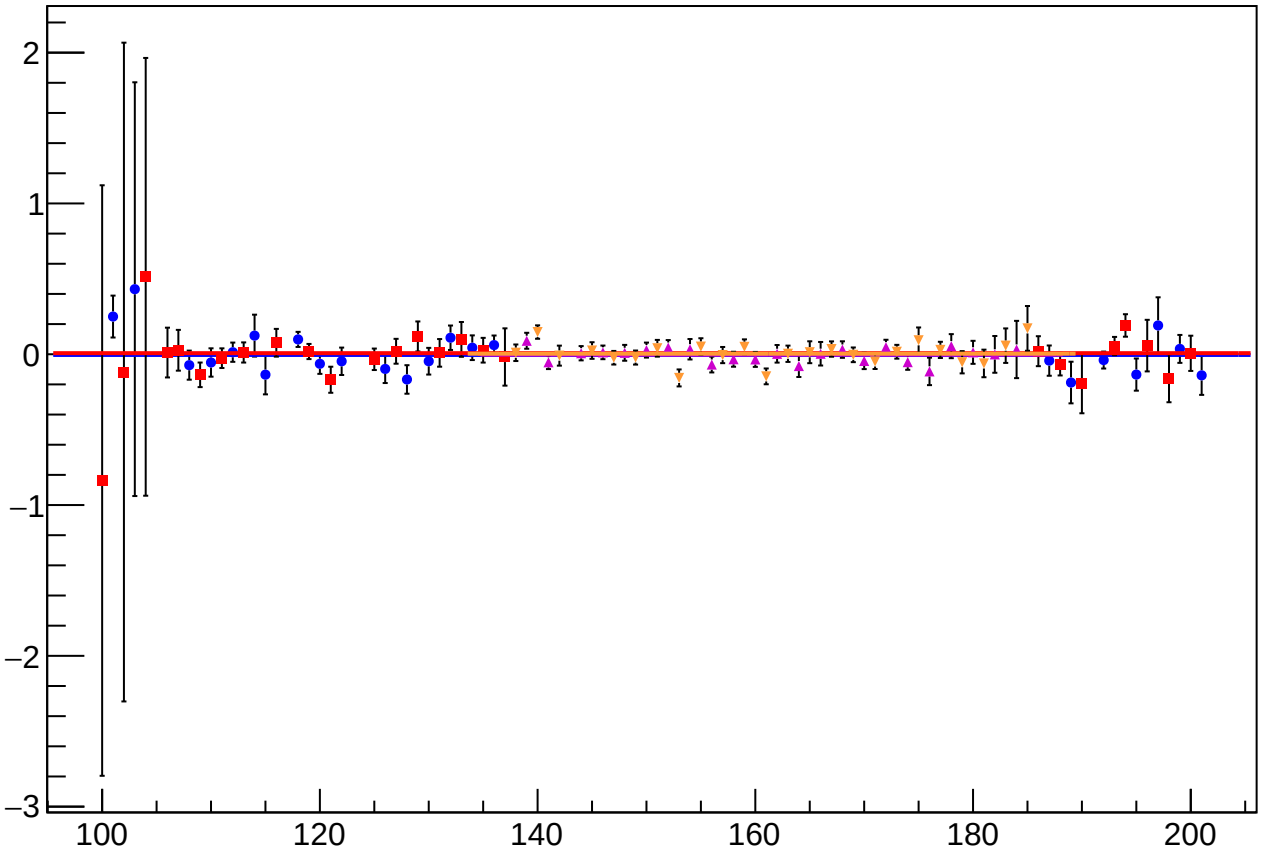
Right Out: 0.003+/-0.000 χ^2/NDF: 6607223.2/25

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: 41747067.7/95

- sign 0.002+/-0.000 χ^2/NDF: 18286557.4/48



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: 20.6/25

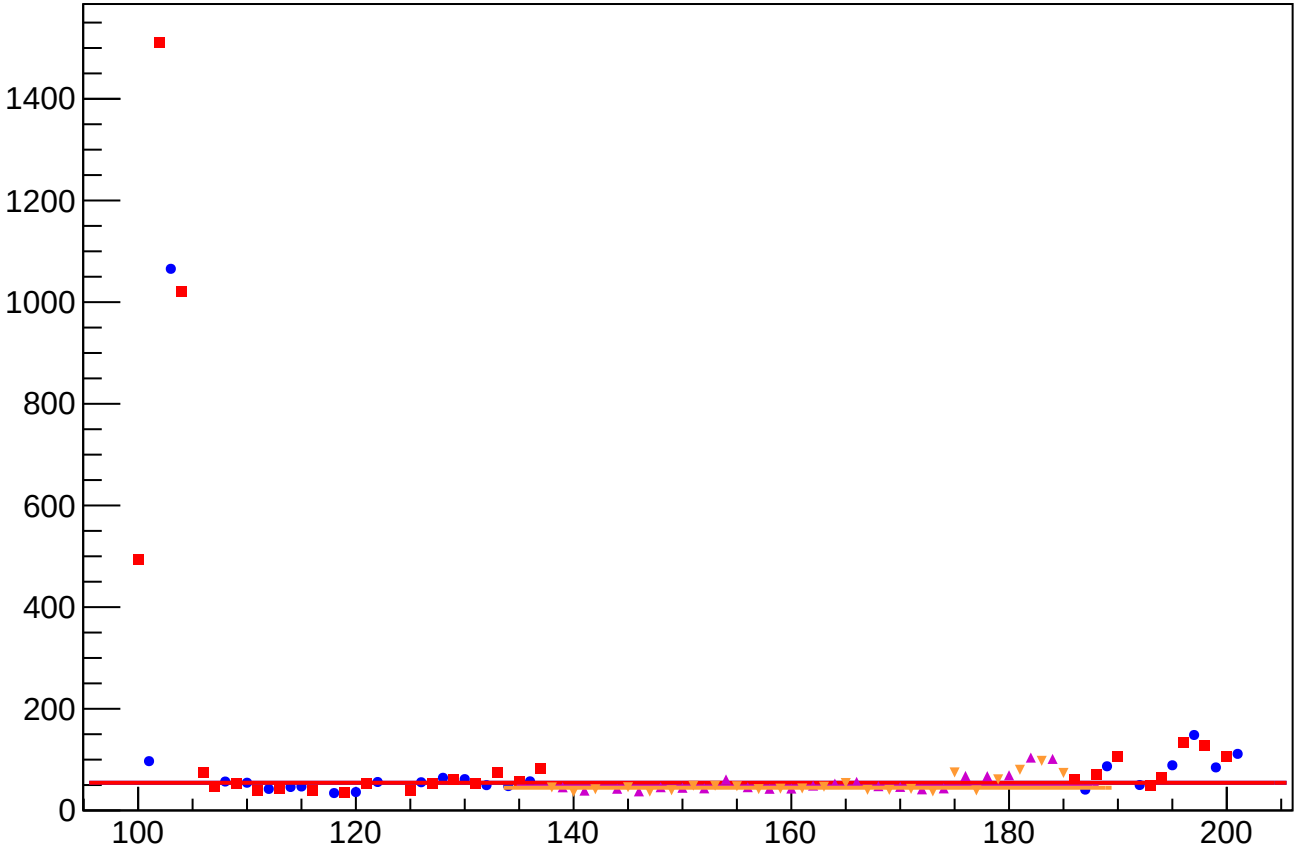
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.010 χ^2/NDF: 60.3/46

All: 0.001+/-0.007 χ^2/NDF: 95.6/95

- sign 0.000+/-0.010 χ^2/NDF: 35.3/48

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



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: 54.462+/-0.013 χ^2/NDF: 4154591.5/25

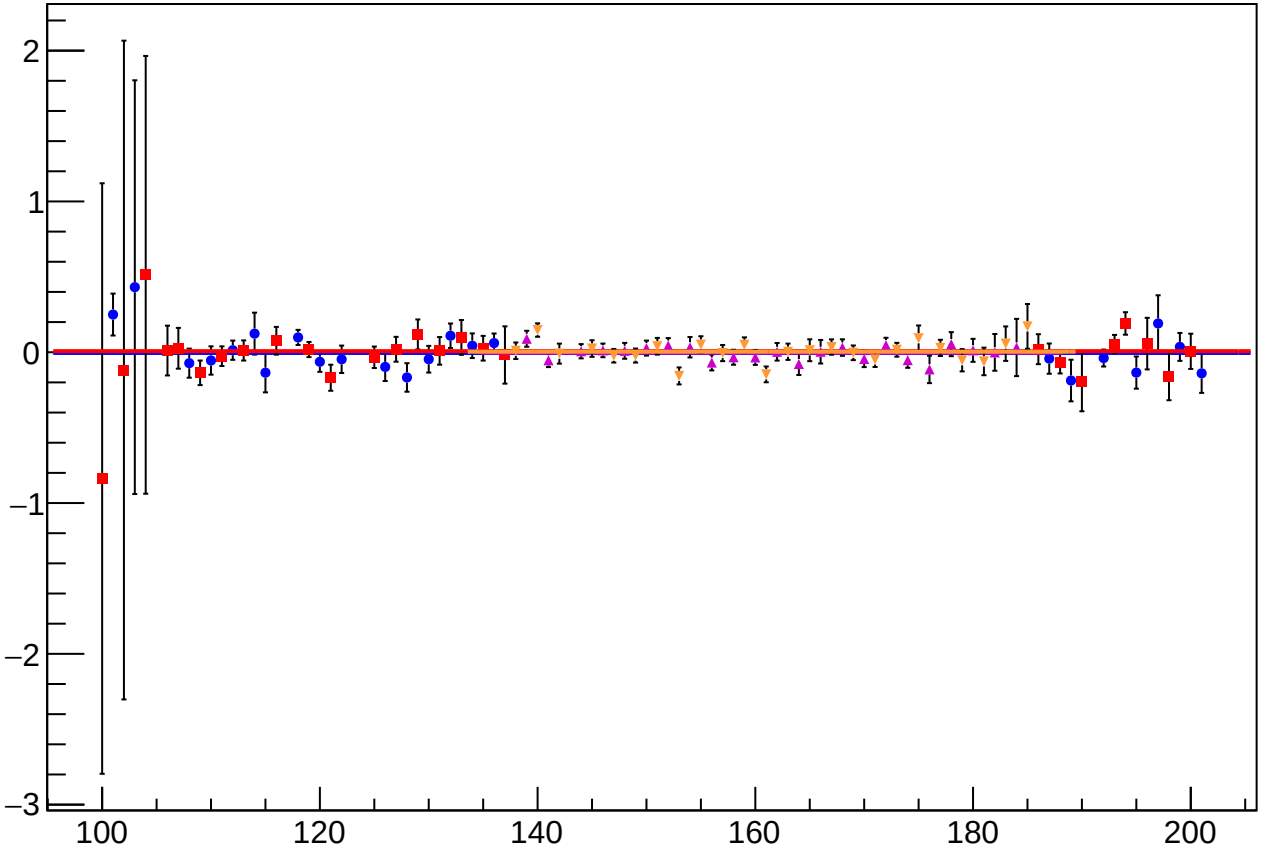
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 47.516+/-0.007 χ^2/NDF: 5257559.8/46

All: 48.383+/-0.005 χ^2/NDF: 11063591.1/95

- sign 49.294+/-0.007 χ^2/NDF: 5773363.3/48

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

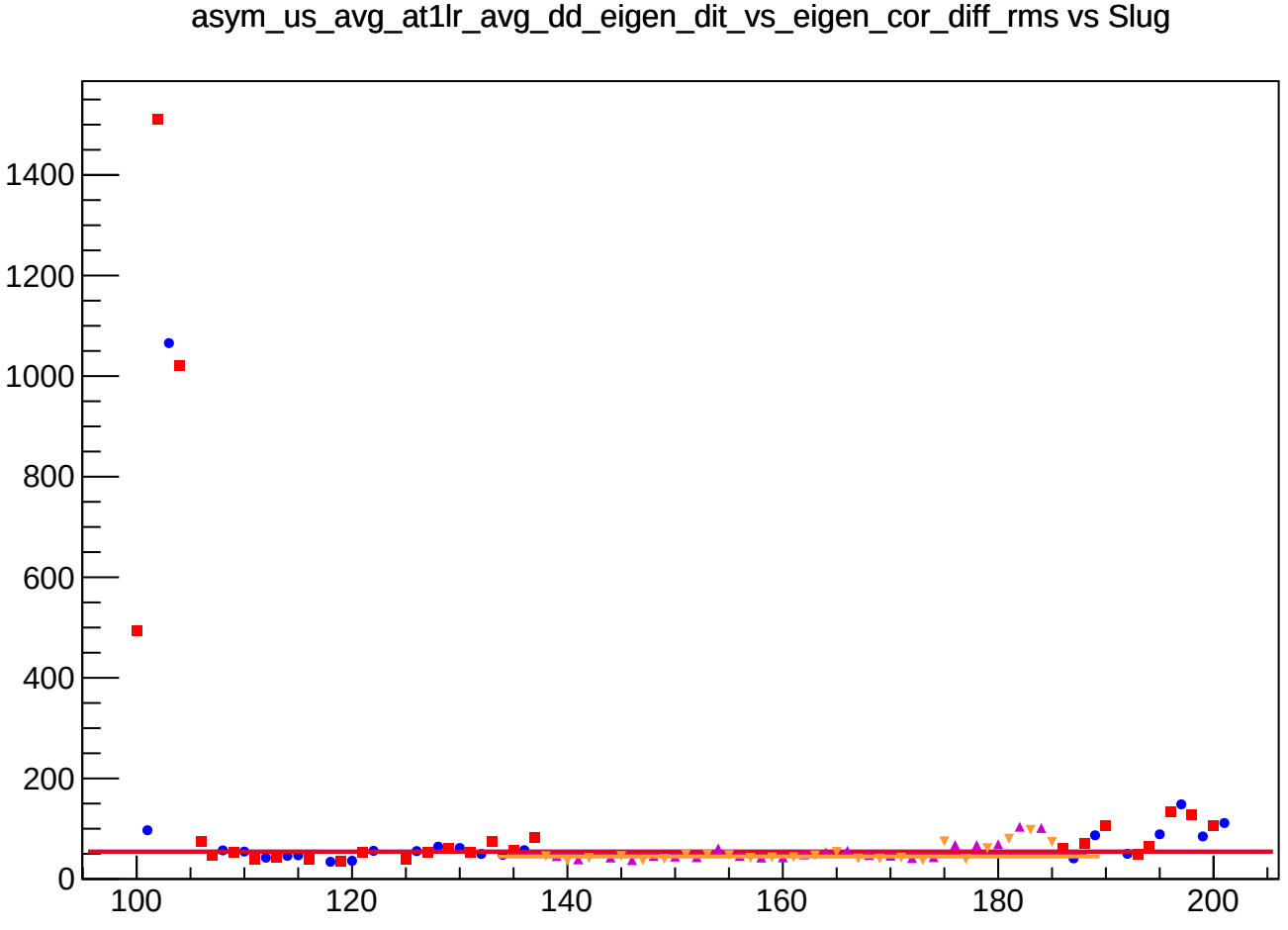
Right Out: 0.007+/-0.018 χ^2/NDF: 20.6/25

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: 95.6/95

- sign 0.000+/-0.010 χ^2/NDF: 35.3/48



Right In: 54.432+/-0.013 χ^2/NDF: 3368494.2/22

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

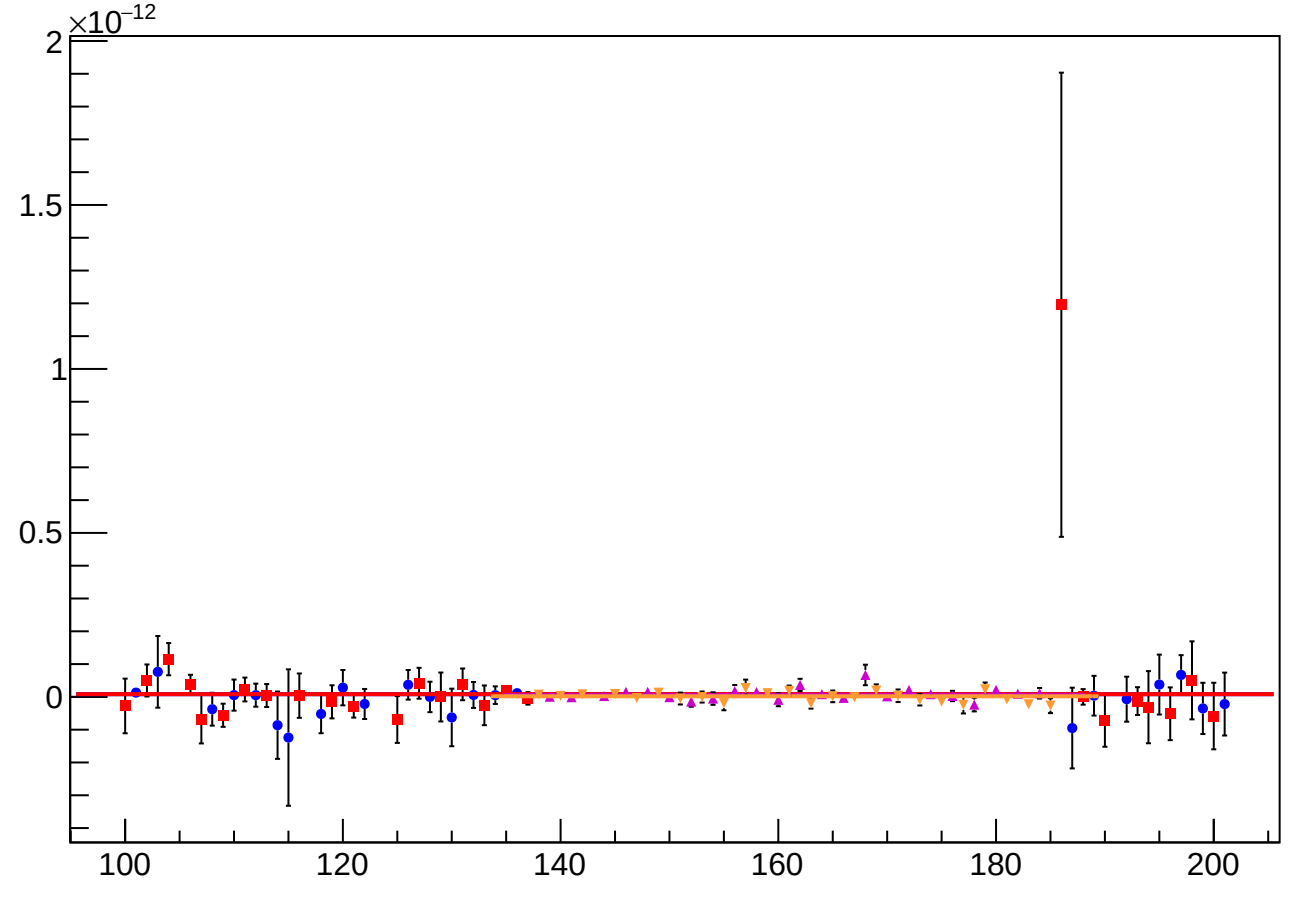
Right Out: 54.462+/-0.013 χ^2/NDF: 4154591.5/25

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 47.516+/-0.007 χ^2/NDF: 5257559.8/46

All: 48.383+/-0.005 χ^2/NDF: 11063591.1/95

- sign 49.294+/-0.007 χ^2/NDF: 5773363.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 7.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

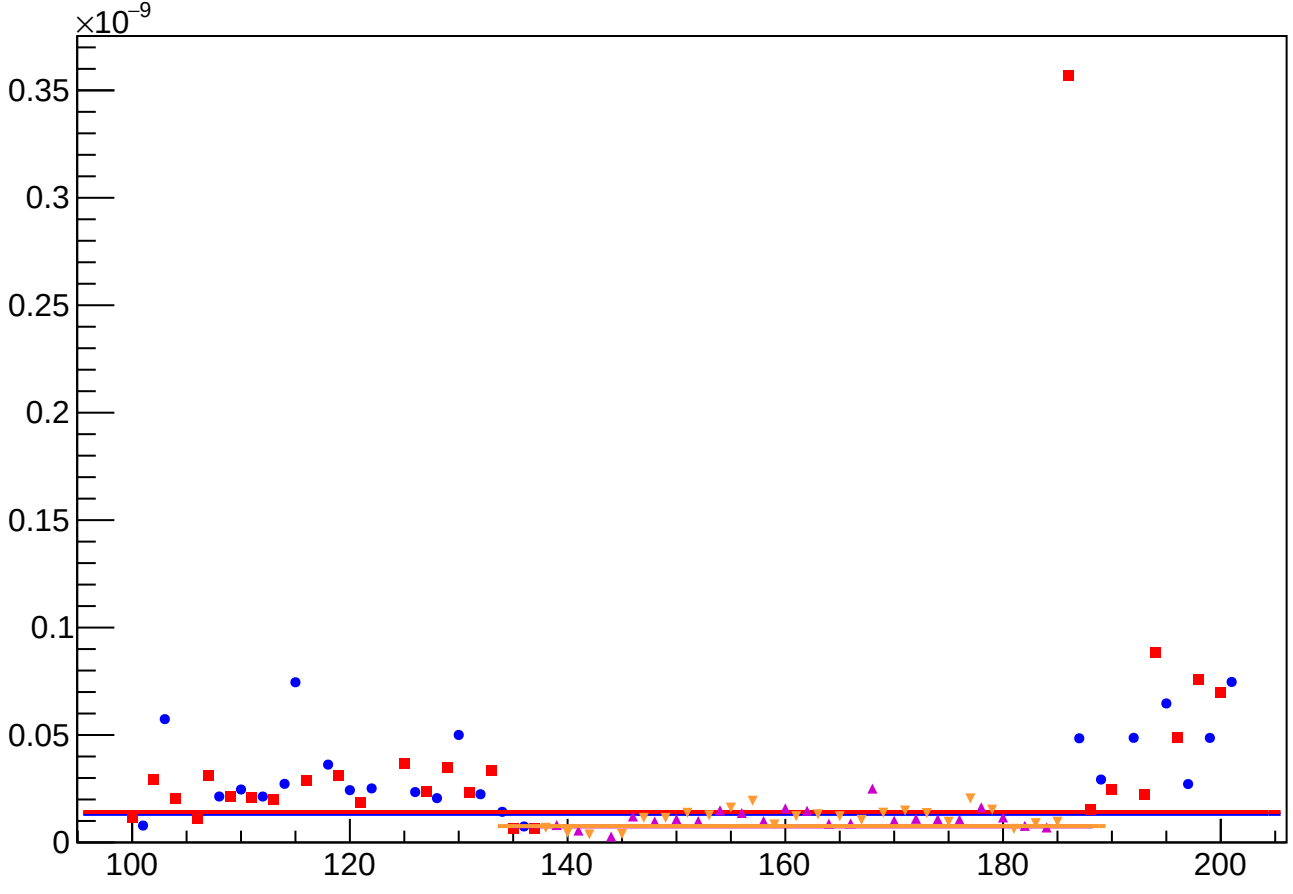
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/25

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: 69.8/95

- sign 0.000+/-0.000 χ^2/NDF: 39.9/48



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: 6016496.9/25

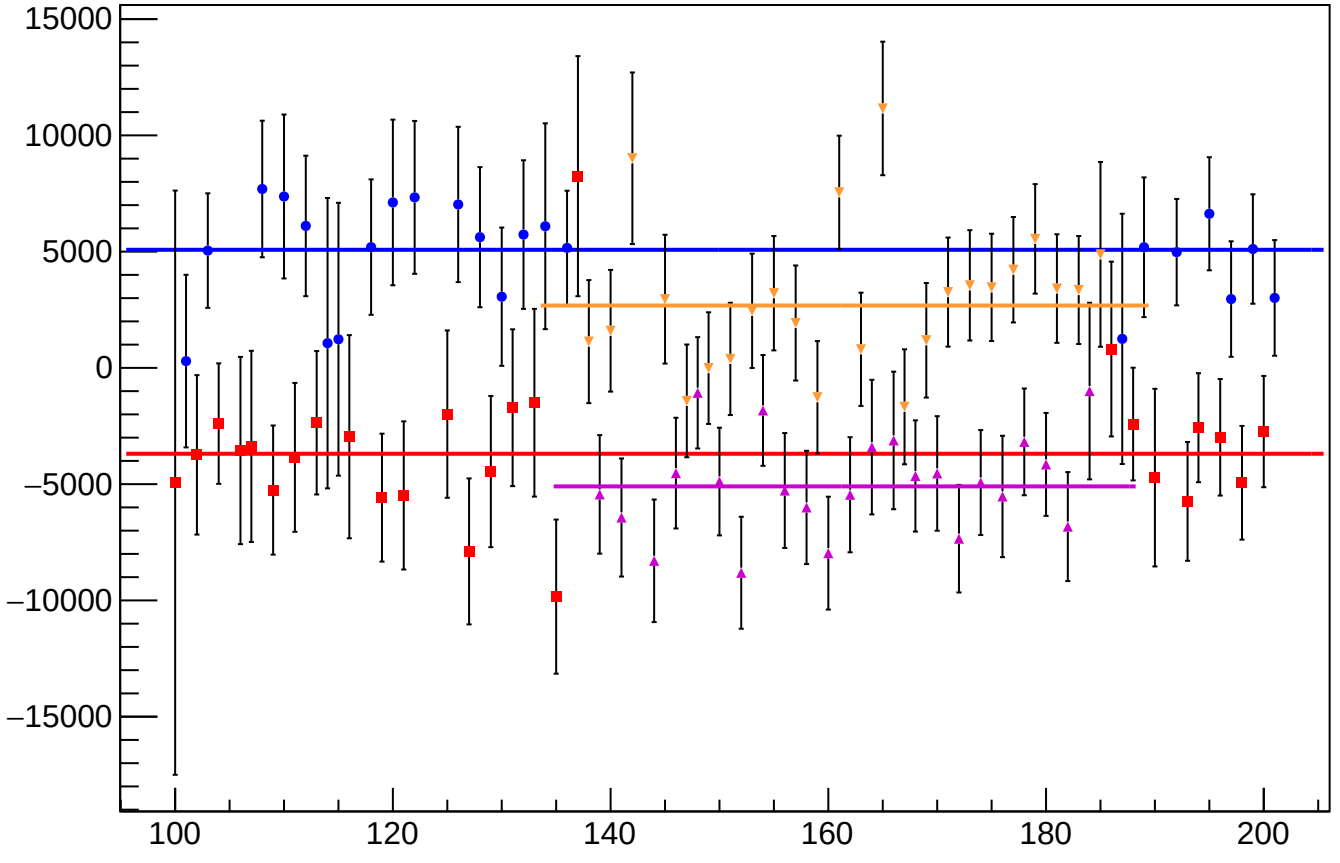
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12742891.4/46

All: 0.000+/-0.000 χ^2/NDF: 26505511.3/95

- sign 0.000+/-0.000 χ^2/NDF: 13760920.5/48

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: -3692.518+/-611.560 χ^2/NDF: 16.2/25

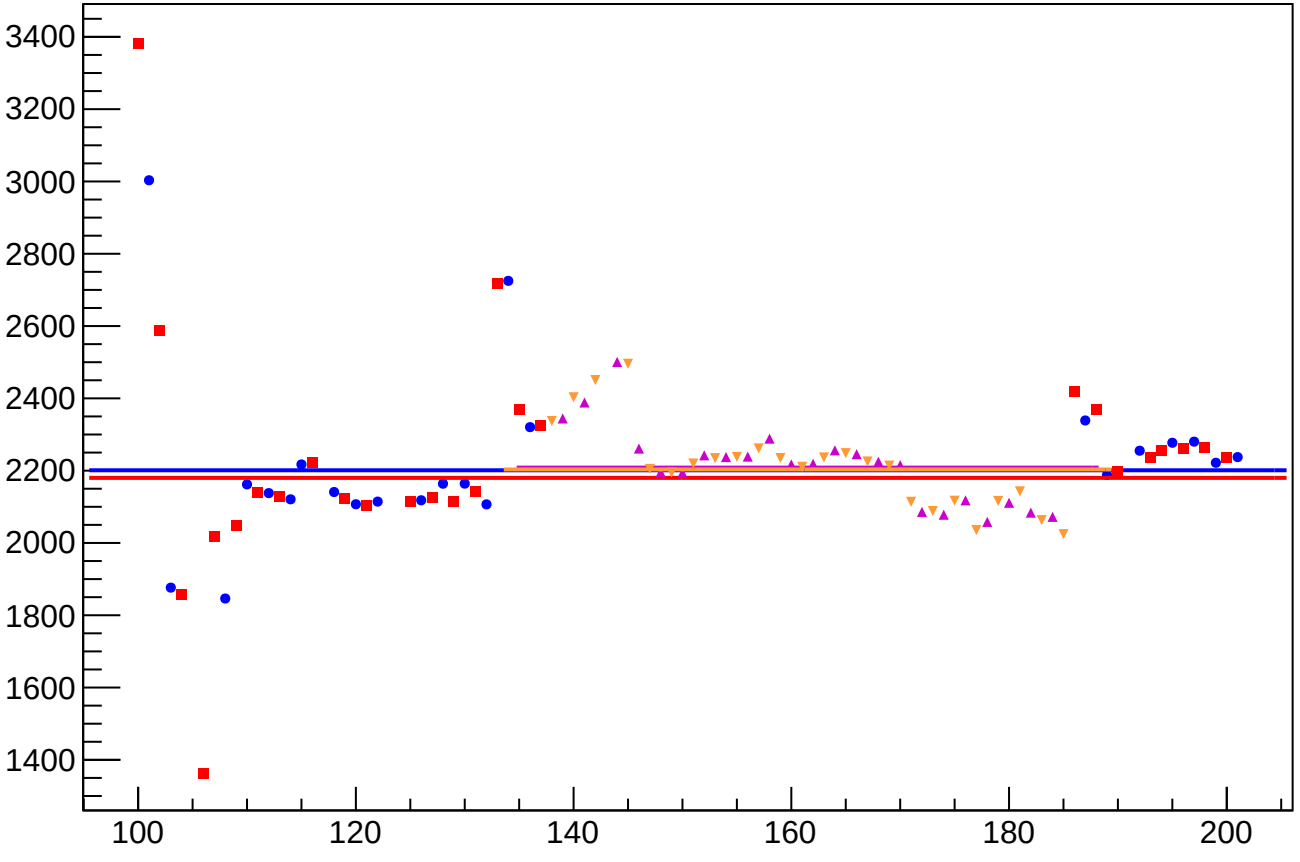
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3637.280+/-397.186 χ^2/NDF: 47.5/46

All: -465.373+/-279.891 χ^2/NDF: 293.6/95

- sign -4512.298+/-394.479 χ^2/NDF: 34.2/48

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

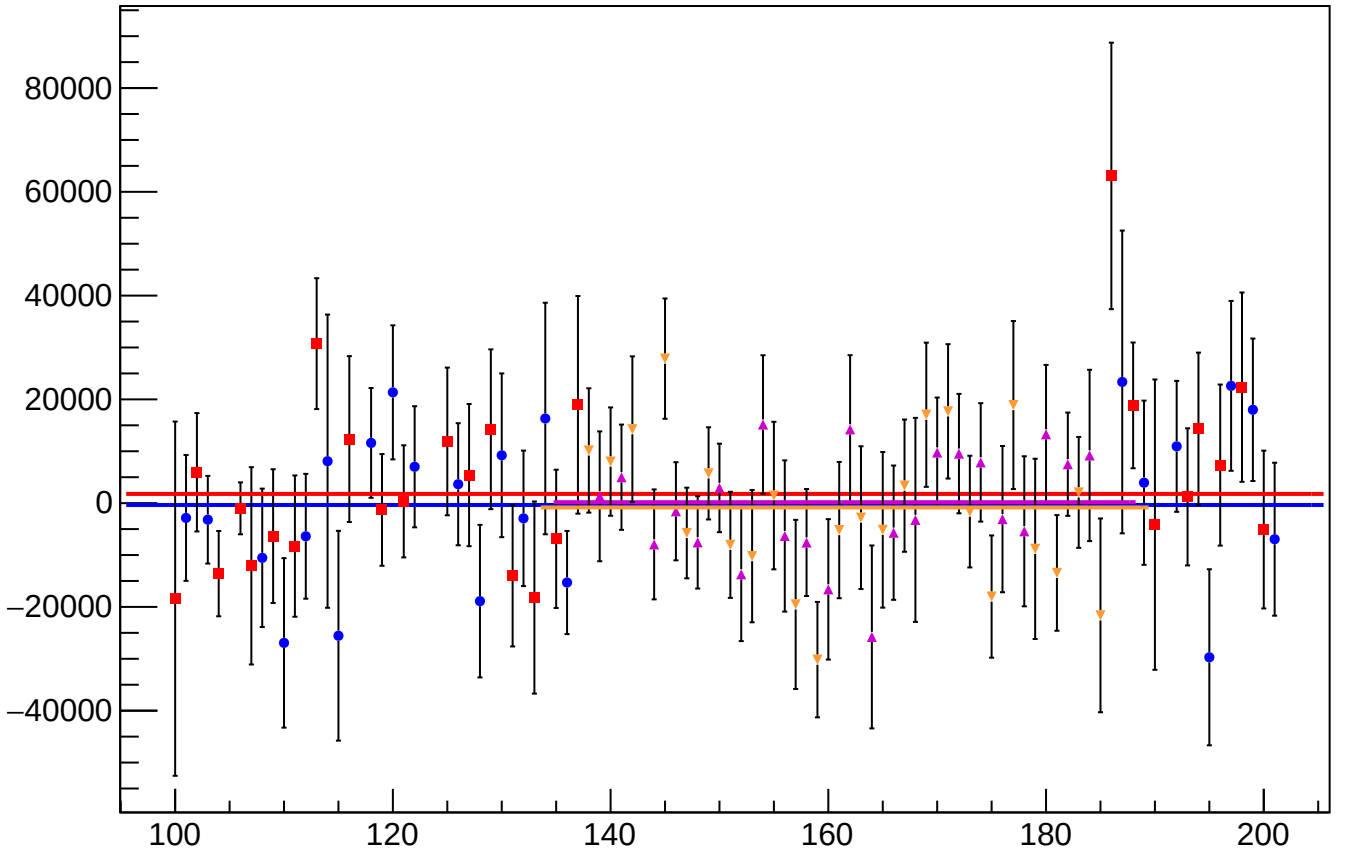
Right Out: 2180.052+/-0.428 χ^2/NDF: 311659.4/25

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2202.408+/-0.281 χ^2/NDF: 294096.0/46

All: 2199.405+/-0.198 χ^2/NDF: 689508.5/95

- sign 2196.466+/-0.278 χ^2/NDF: 395186.3/48



Right In: -354.836+/-2822.916 χ^2/NDF: 23.2/22

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

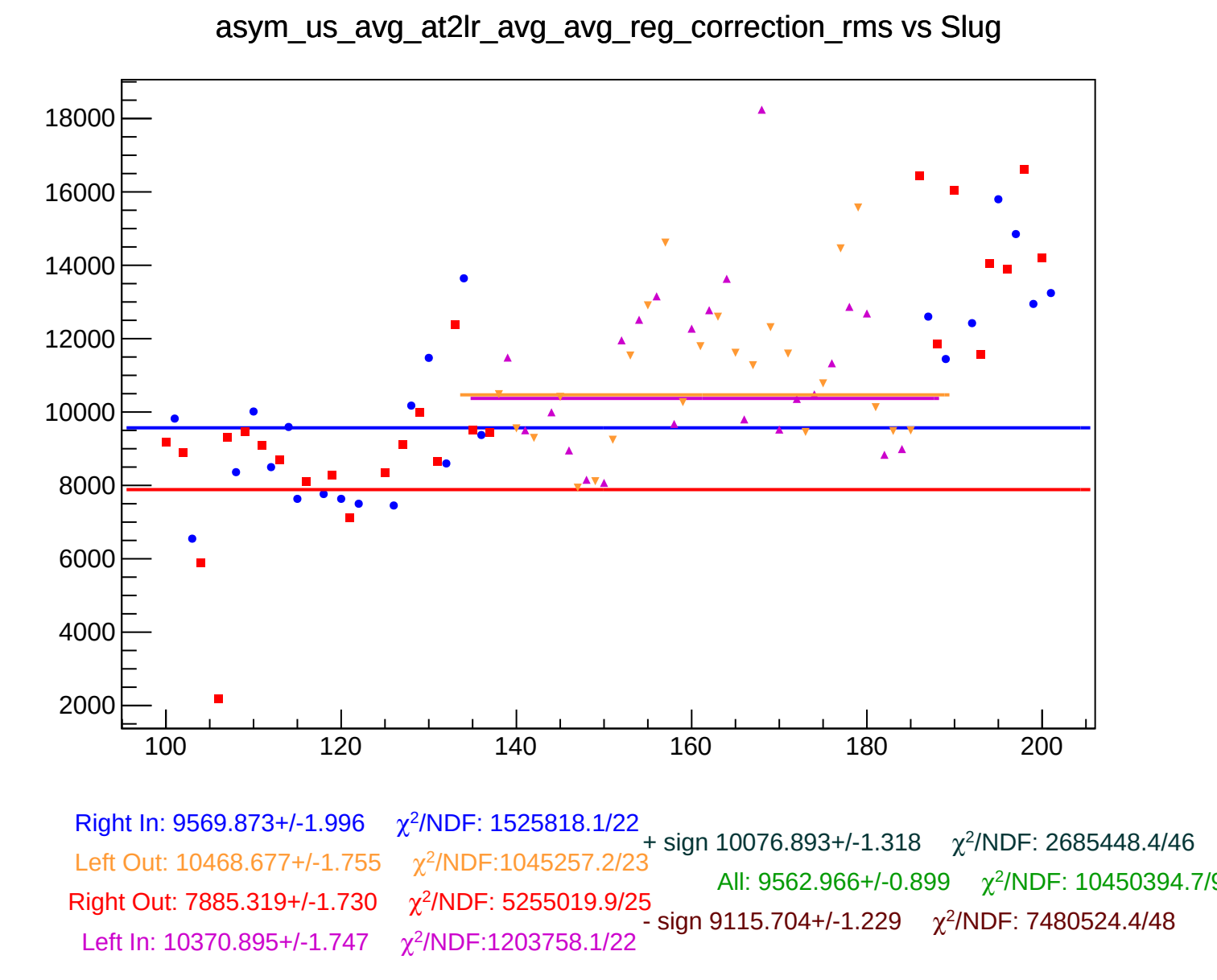
Right Out: 1776.909+/-2446.681 χ^2/NDF: 26.5/25

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

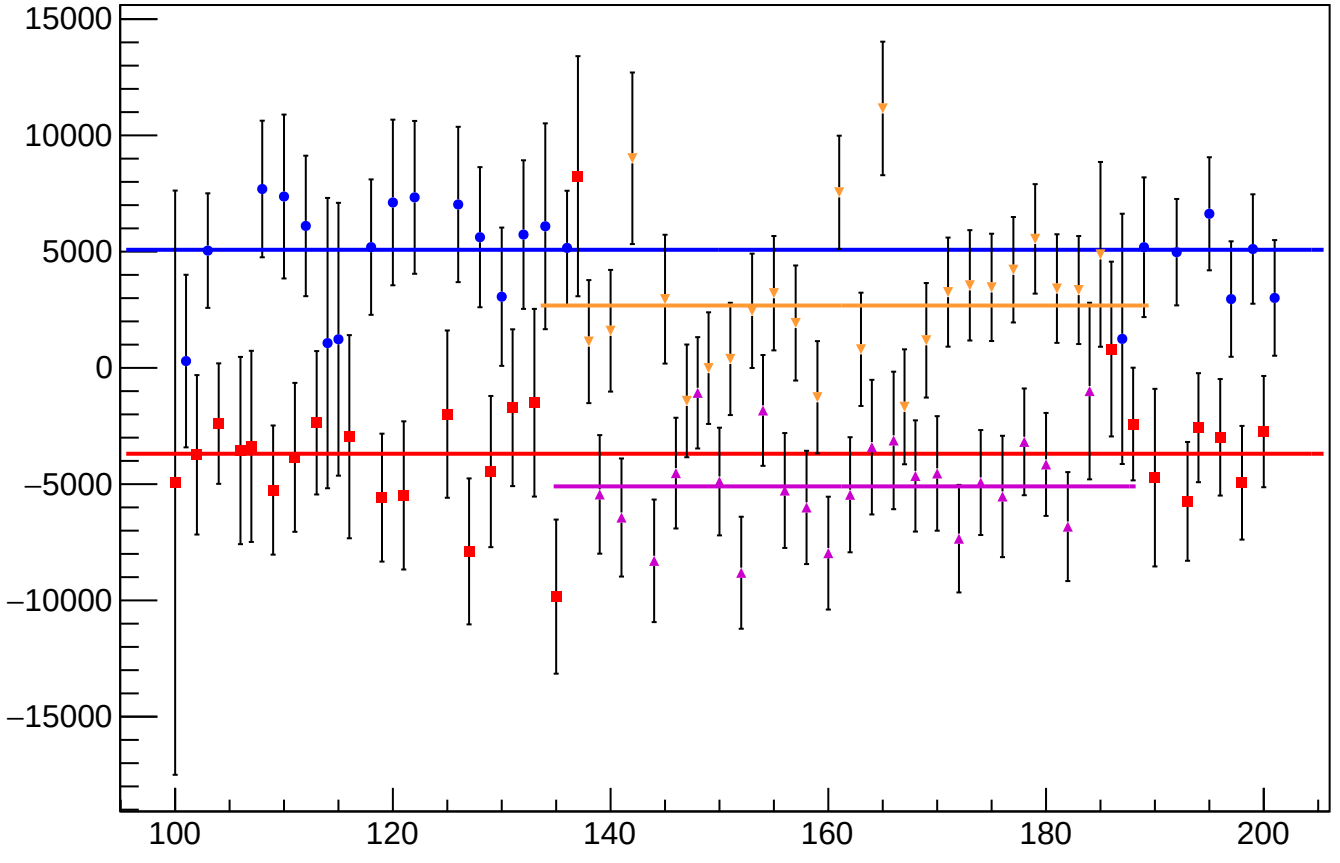
+ sign -624.844+/-1863.755 χ^2/NDF: 52.7/46

All: 237.308+/-1271.351 χ^2/NDF: 93.5/95

- sign 987.624+/-1738.677 χ^2/NDF: 40.4/48


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9569.873+/-1.996 χ²/NDF: 1525818.1/22
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 7885.319+/-1.730 χ²/NDF: 5255019.9/25
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
+ sign 10076.893+/-1.318 χ²/NDF: 2685448.4/46
All: 9562.966+/-0.899 χ²/NDF: 10450394.7/9
- sign 9115.704+/-1.229 χ²/NDF: 7480524.4/48

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: -3692.388+/-611.560 χ^2/NDF: 16.2/25

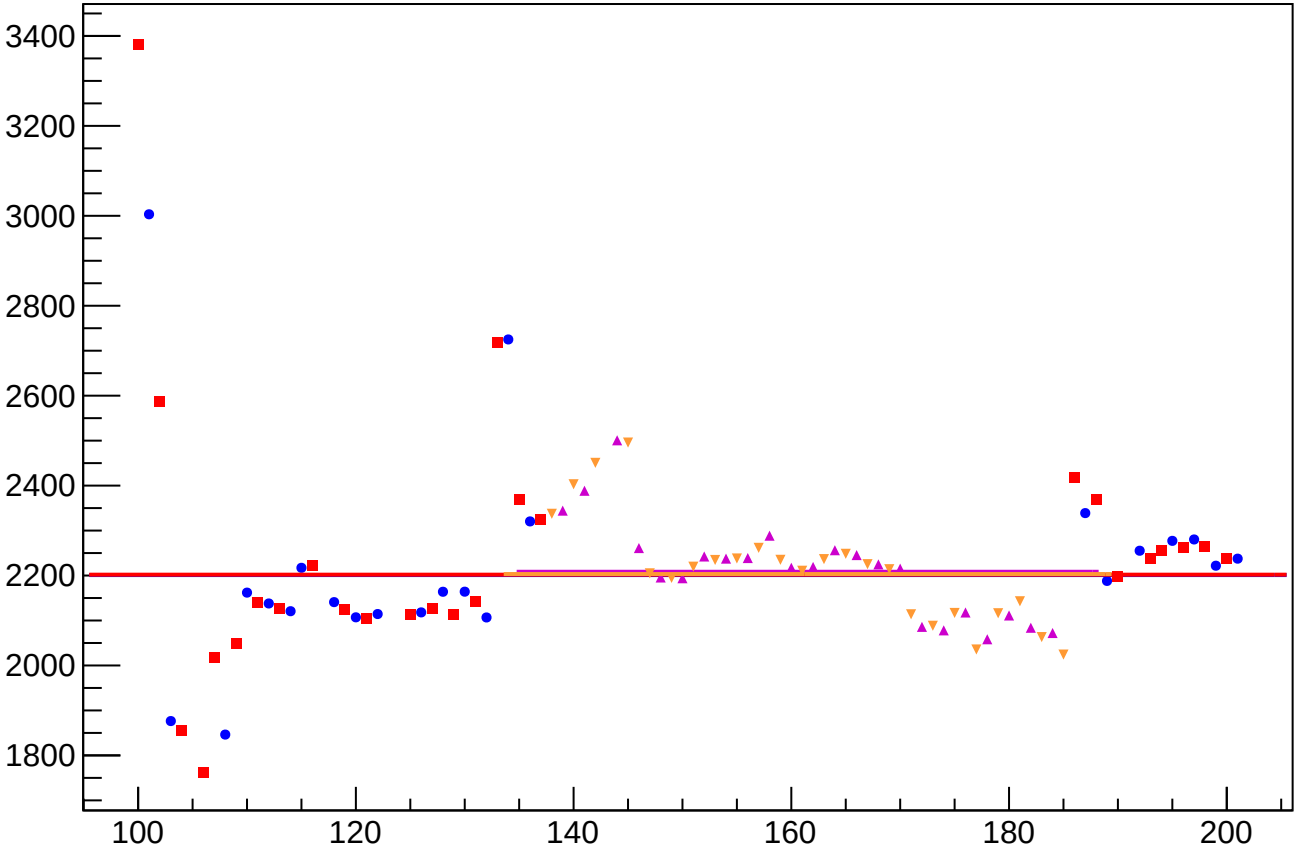
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3637.281+/-397.186 χ^2/NDF: 47.5/46

All: -465.318+/-279.891 χ^2/NDF: 293.6/95

- sign -4512.190+/-394.479 χ^2/NDF: 34.2/48

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

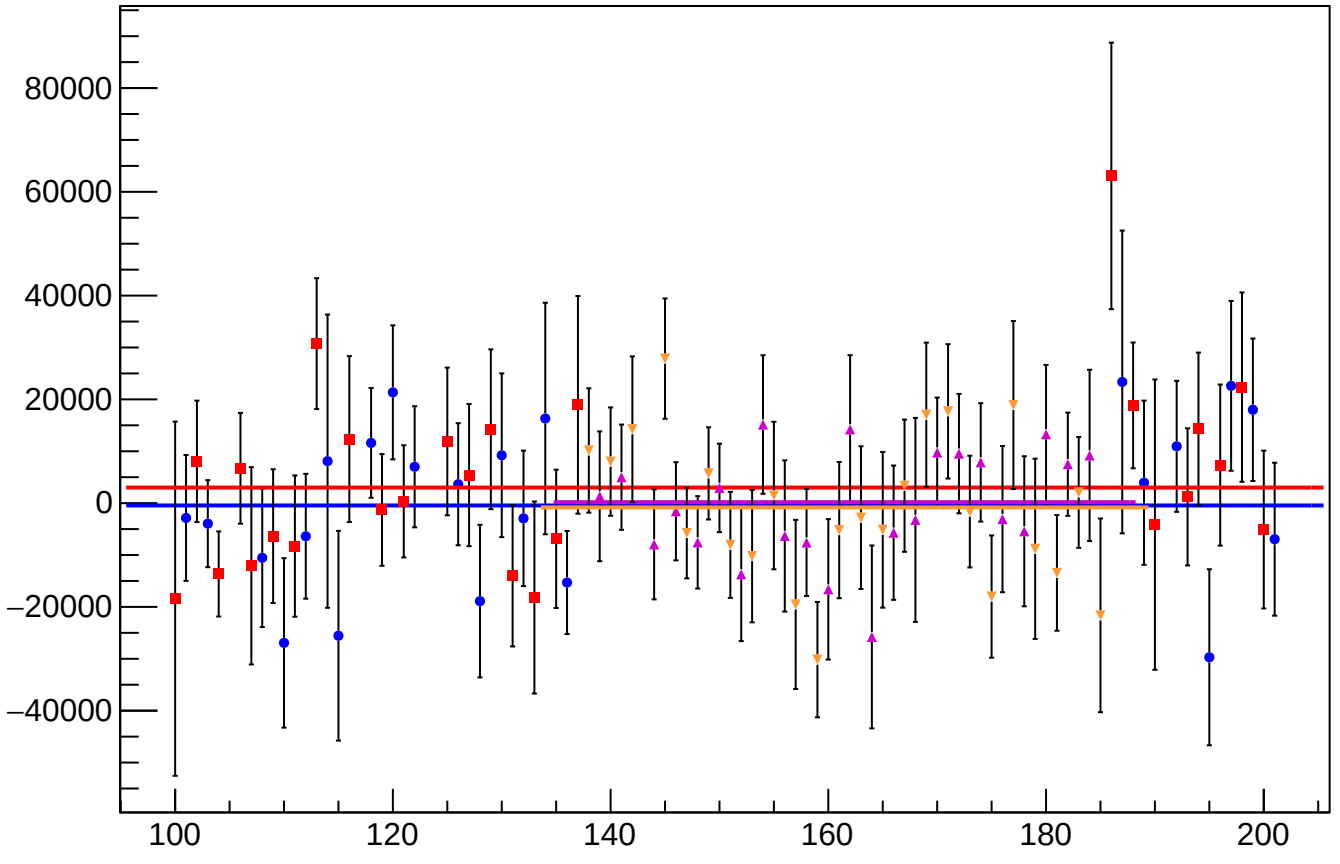
Right Out: 2201.904+/-0.431 χ^2/NDF: 187501.0/25

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2202.408+/-0.281 χ^2/NDF: 294096.4/46

All: 2204.055+/-0.198 χ^2/NDF: 562791.3/95

- sign 2205.676+/-0.279 χ^2/NDF: 268626.7/48



Right In: -446.142+/-2820.493 χ^2/NDF: 23.3/22

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

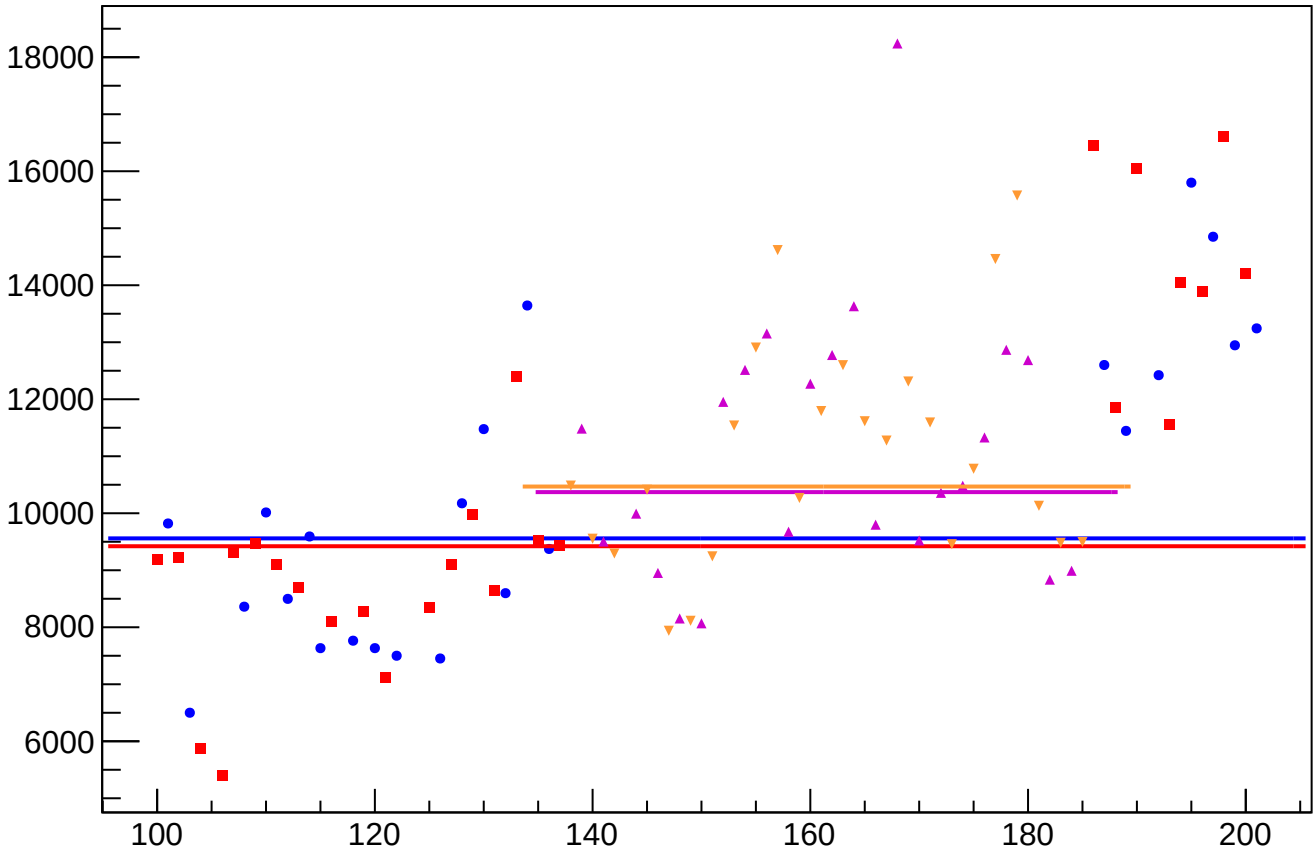
Right Out: 3003.607+/-2716.560 χ^2/NDF: 26.4/25

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -664.465+/-1863.057 χ^2/NDF: 52.7/46

All: 417.865+/-1304.814 χ^2/NDF: 94.1/95

- sign 1459.860+/-1828.013 χ^2/NDF: 40.7/48



Right In: 9559.312+/-1.994 χ^2/NDF: 1537909.9/22

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

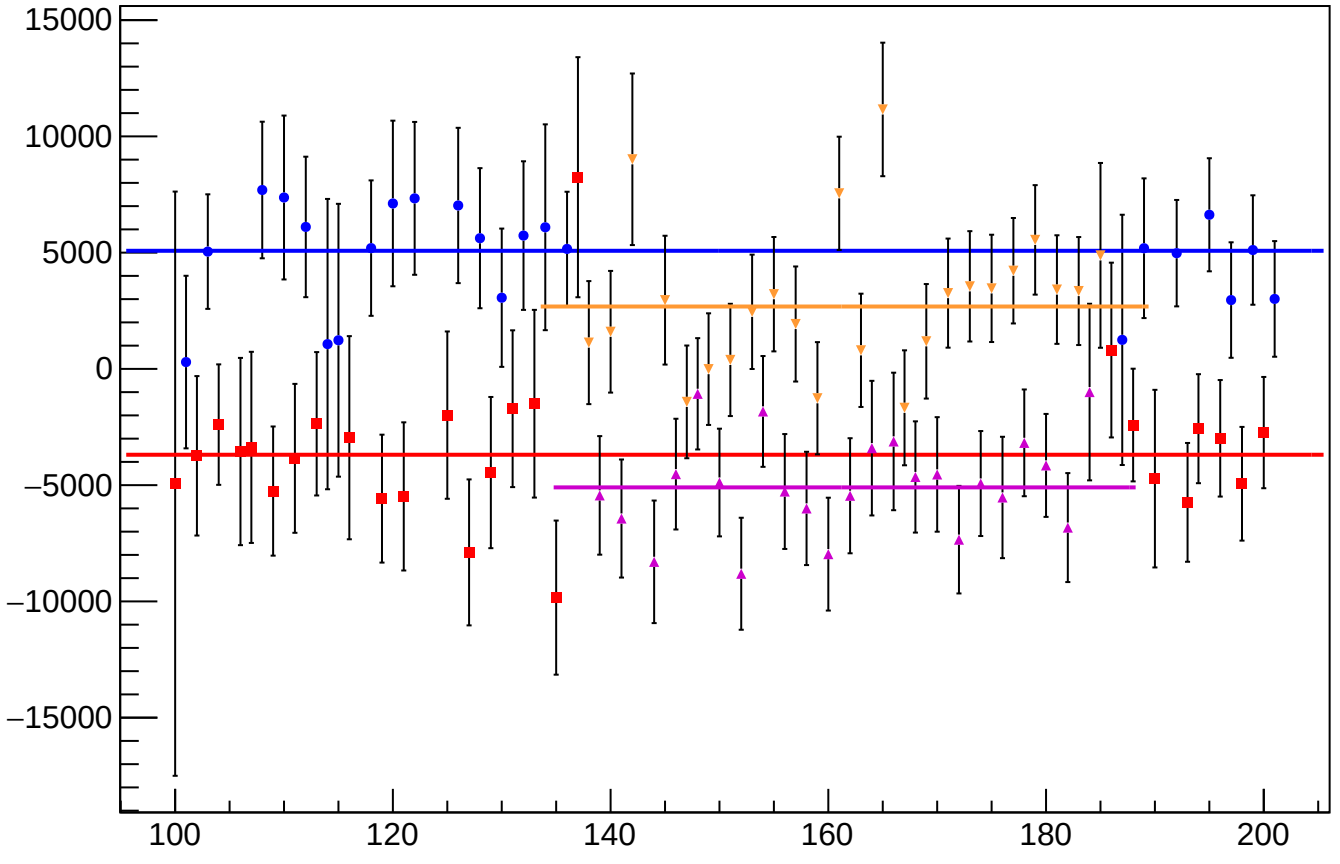
Right Out: 9421.511+/-1.921 χ^2/NDF: 2133244.7/25

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10071.905+/-1.317 χ^2/NDF: 2700358.3/46

All: 10005.208+/-0.923 χ^2/NDF: 6176058.0/9

- sign 9940.996+/-1.293 χ^2/NDF: 3470668.6/48



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: -3692.388+/-611.560 χ^2/NDF: 16.2/25

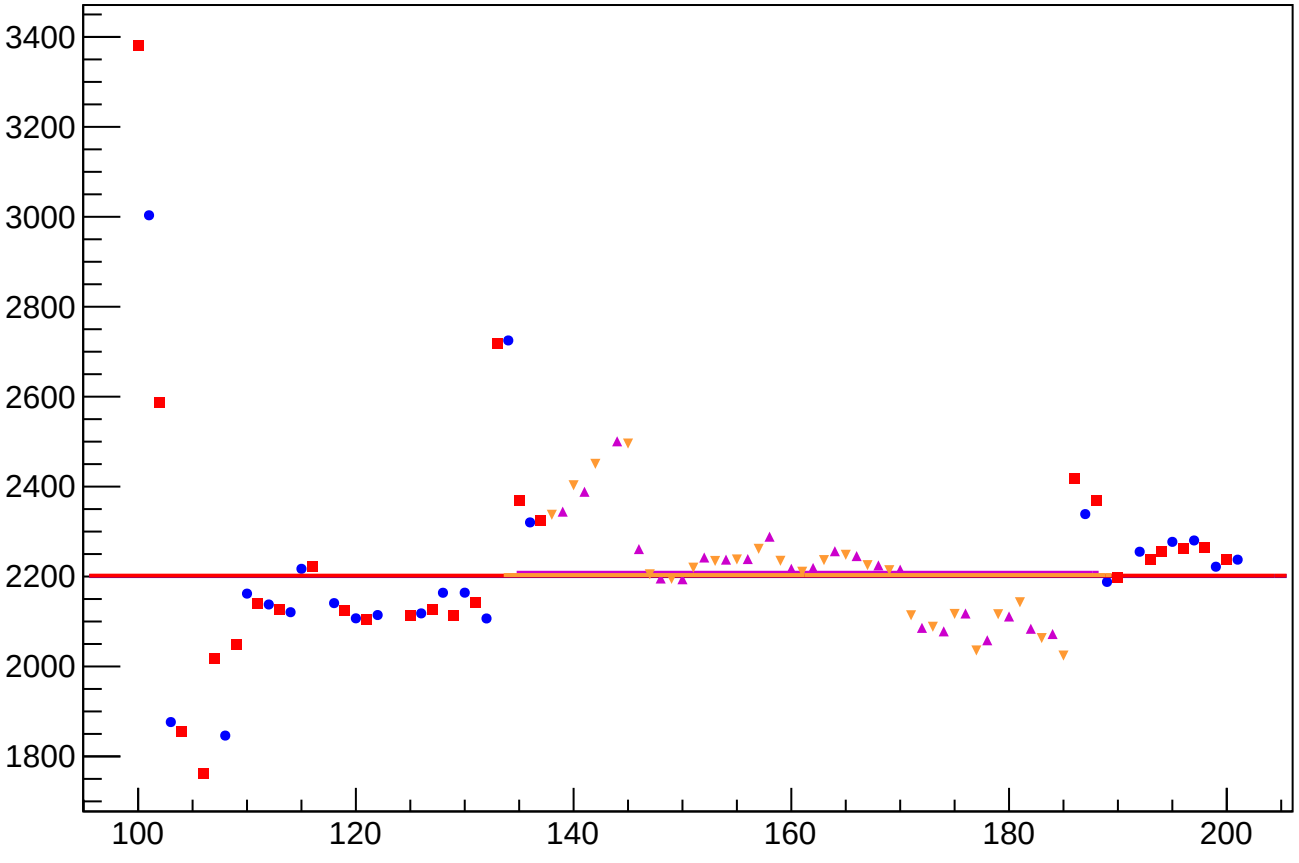
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3637.281+/-397.186 χ^2/NDF: 47.5/46

All: -465.318+/-279.891 χ^2/NDF: 293.6/95

- sign -4512.190+/-394.479 χ^2/NDF: 34.2/48

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

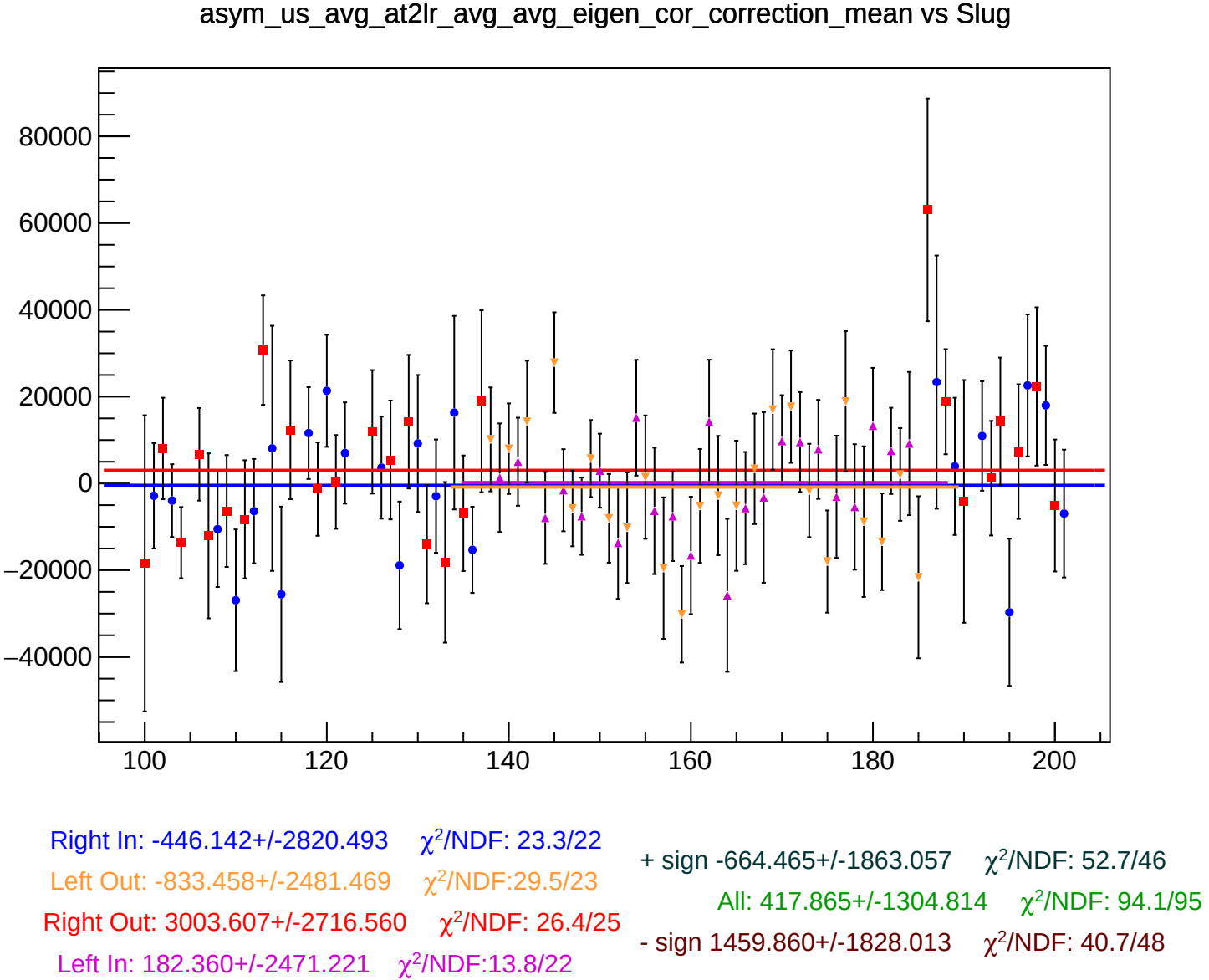
Right Out: 2201.904+/-0.431 χ^2/NDF: 187501.0/25

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

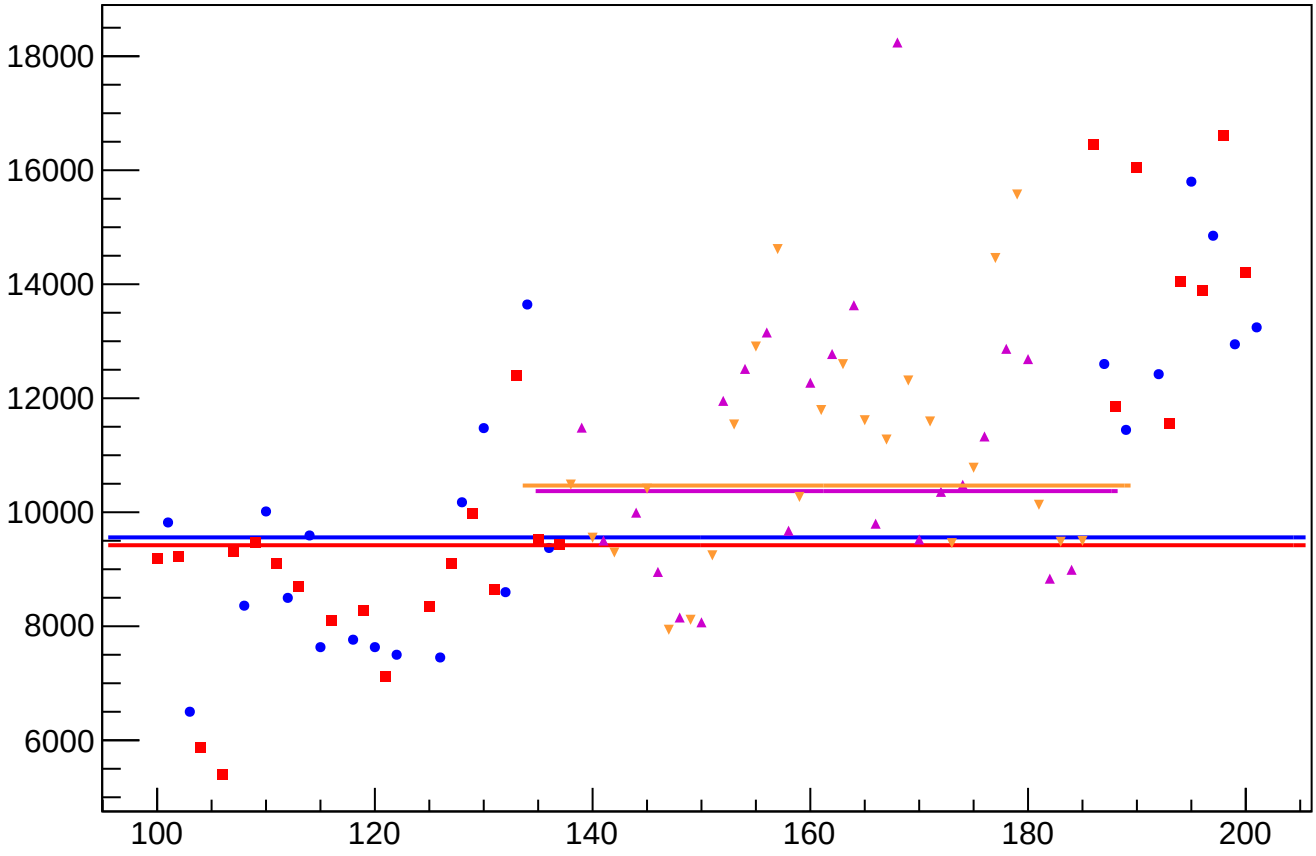
+ sign 2202.408+/-0.281 χ^2/NDF: 294096.4/46

All: 2204.055+/-0.198 χ^2/NDF: 562791.3/95

- sign 2205.676+/-0.279 χ^2/NDF: 268626.7/48


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: -446.142+/-2820.493 χ²/NDF: 23.3/22
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: 3003.607+/-2716.560 χ²/NDF: 26.4/25
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign -664.465+/-1863.057 χ²/NDF: 52.7/46
All: 417.865+/-1304.814 χ²/NDF: 94.1/95
- sign 1459.860+/-1828.013 χ²/NDF: 40.7/48

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: 9421.511+/-1.921 χ^2/NDF: 2133244.7/25

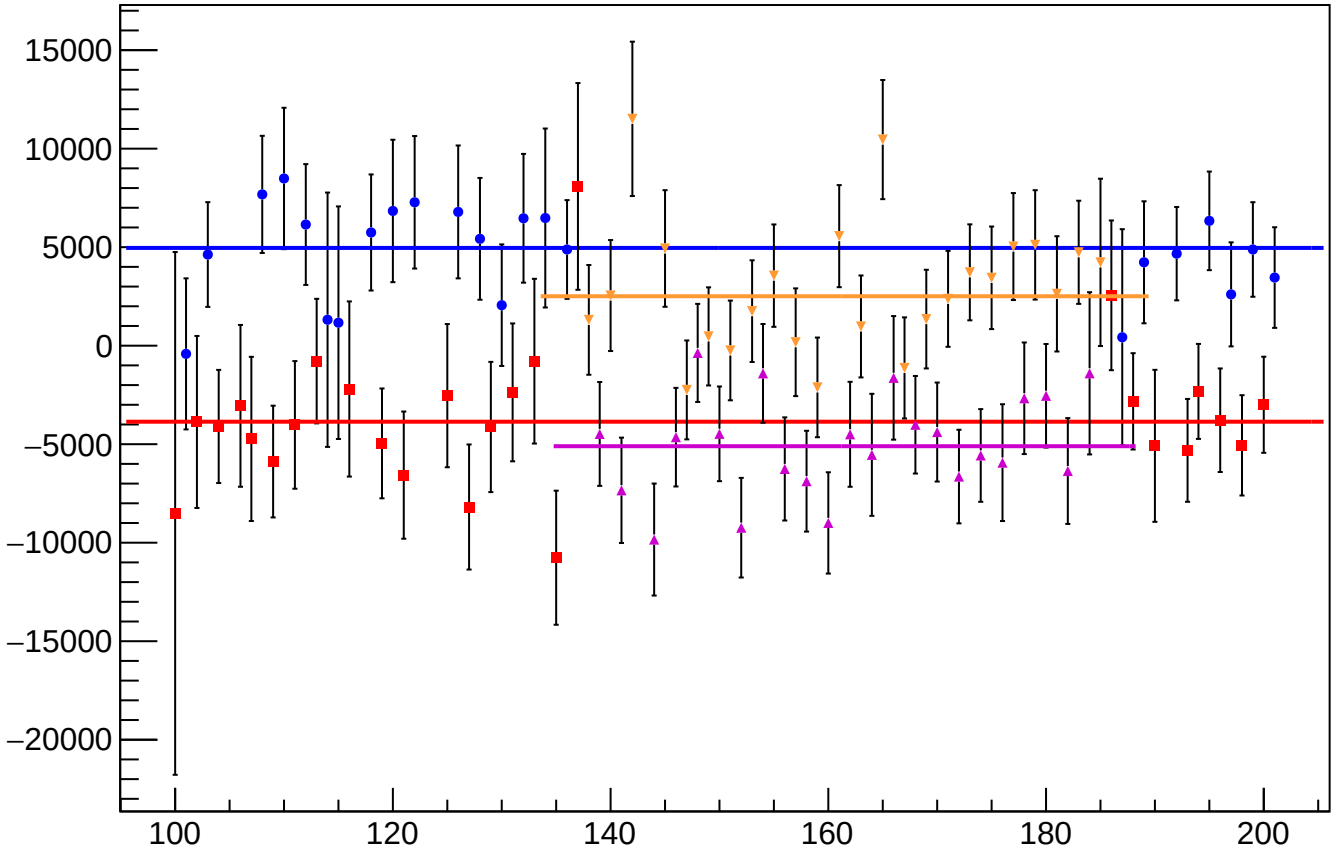
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10071.905+/-1.317 χ^2/NDF: 2700358.3/46

All: 10005.208+/-0.923 χ^2/NDF: 6176058.0/9

- sign 9940.996+/-1.293 χ^2/NDF: 3470668.6/48

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



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: -3858.321+/-631.269 χ^2/NDF: 18.9/25

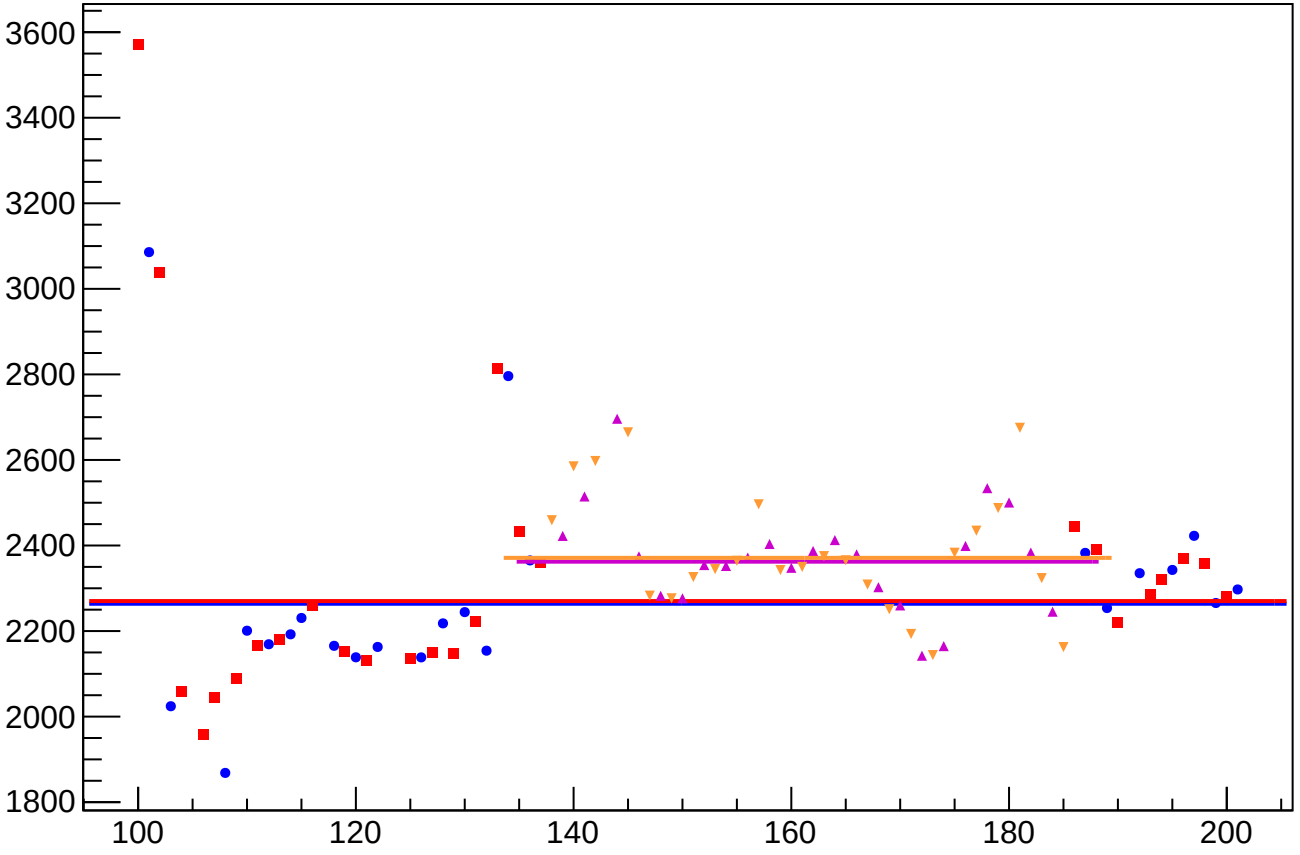
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3540.325+/-419.915 χ^2/NDF: 47.3/46

All: -551.363+/-295.455 χ^2/NDF: 276.3/95

- sign -4563.022+/-415.788 χ^2/NDF: 41.0/48

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

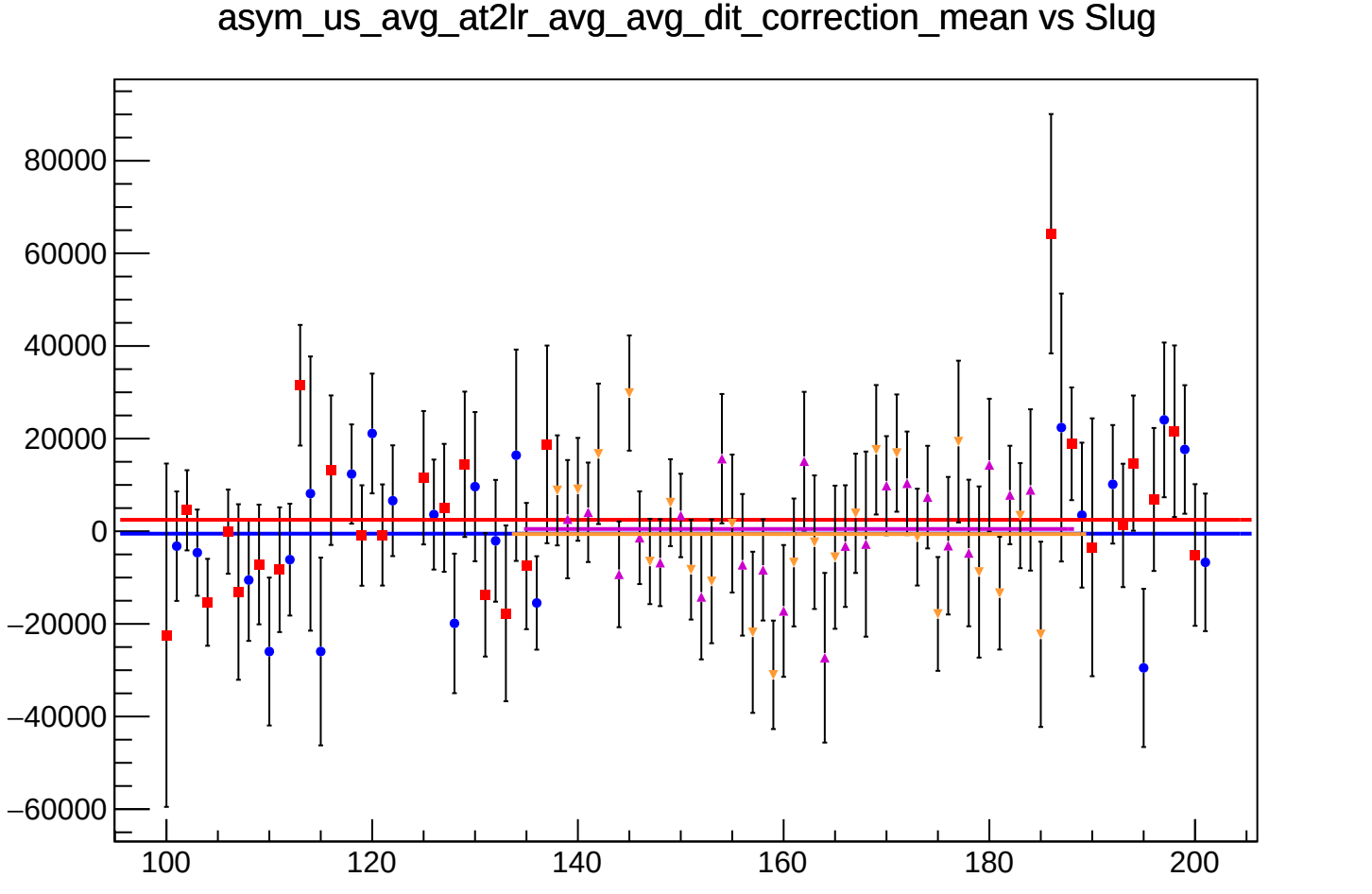
Right Out: 2270.137+/-0.446 χ^2/NDF: 192286.1/25

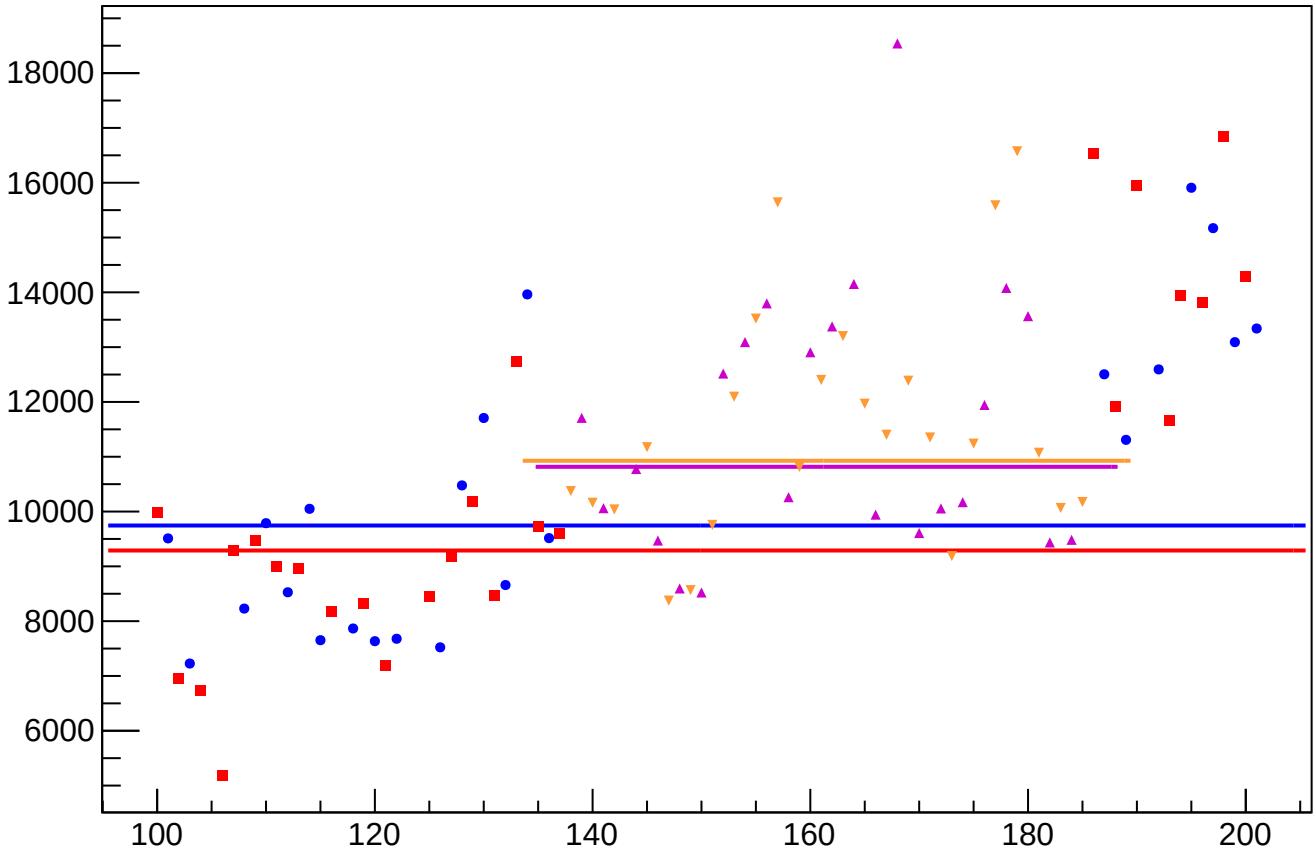
Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2326.028+/-0.297 χ^2/NDF: 349569.8/46

All: 2324.123+/-0.209 χ^2/NDF: 657936.8/95

- sign 2322.255+/-0.294 χ^2/NDF: 308285.5/48


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: -523.865+/-2868.370 χ²/NDF: 23.1/22
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: 2475.307+/-2674.548 χ²/NDF: 26.1/25
Left In: 490.044+/-2577.213 χ²/NDF:13.5/22
+ sign -570.369+/-1922.275 χ²/NDF: 52.0/46
All: 473.216+/-1335.139 χ²/NDF: 92.5/95
- sign 1445.894+/-1855.821 χ²/NDF: 39.9/48



Right In: 9745.246+/-2.028 χ^2/NDF: 1419794.8/22

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

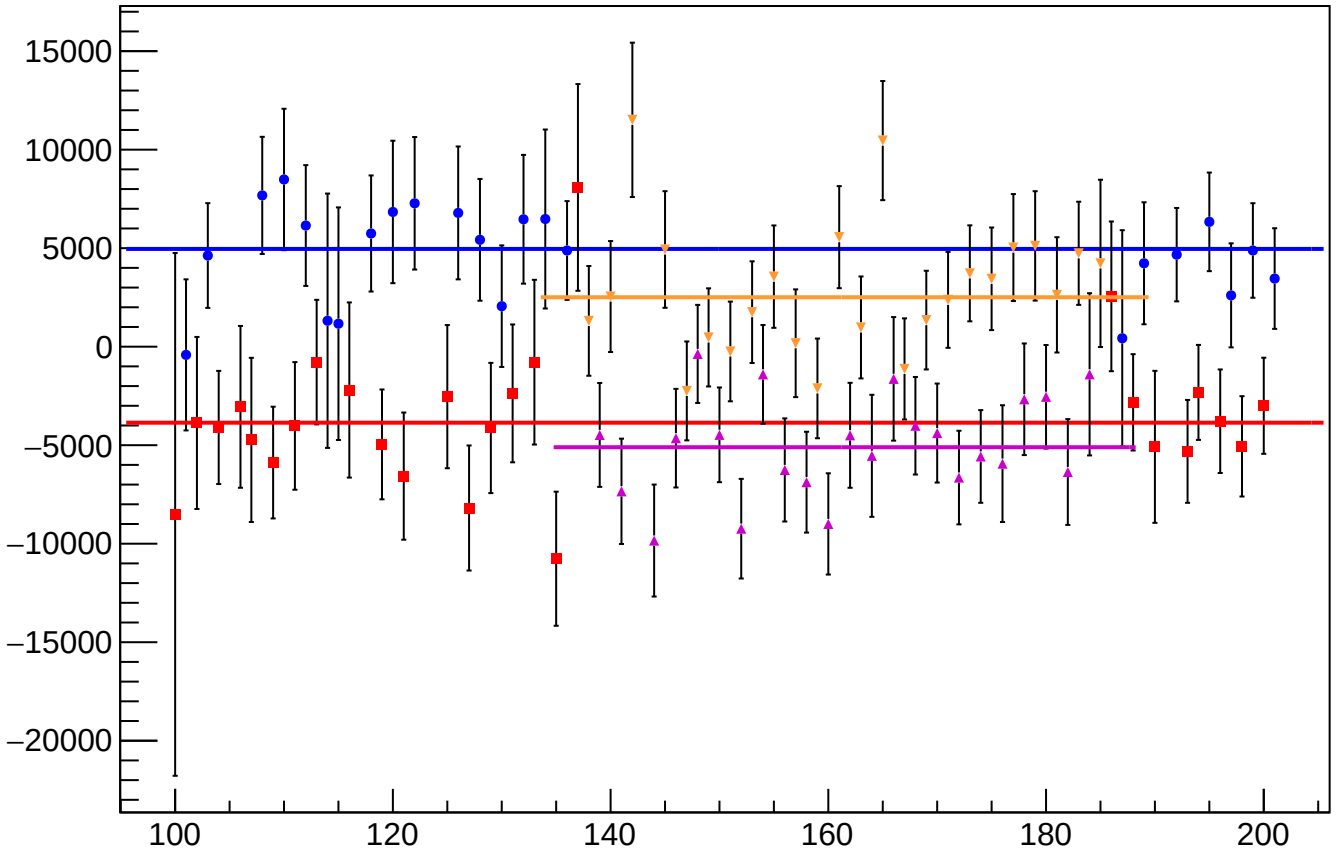
Right Out: 9289.270+/-1.891 χ^2/NDF: 2243164.5/25

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10396.176+/-1.359 χ^2/NDF: 2664094.9/46

All: 10233.091+/-0.944 χ^2/NDF: 6469964.1/9

- sign 10081.087+/-1.312 χ^2/NDF: 3778056.3/48



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: -3858.322+/-631.269 χ^2/NDF: 18.9/25

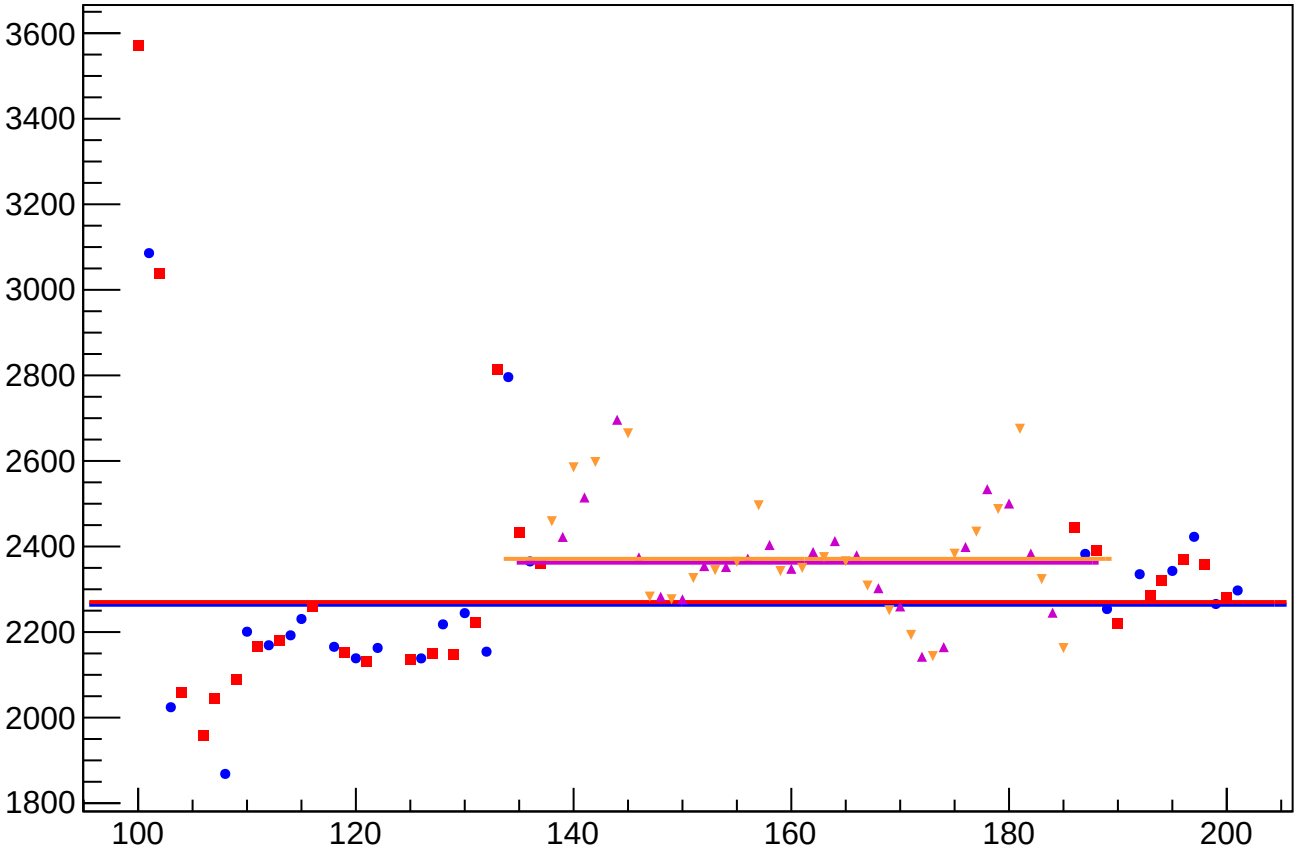
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3540.319+/-419.916 χ^2/NDF: 47.3/46

All: -551.367+/-295.455 χ^2/NDF: 276.3/95

- sign -4563.023+/-415.789 χ^2/NDF: 41.0/48

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

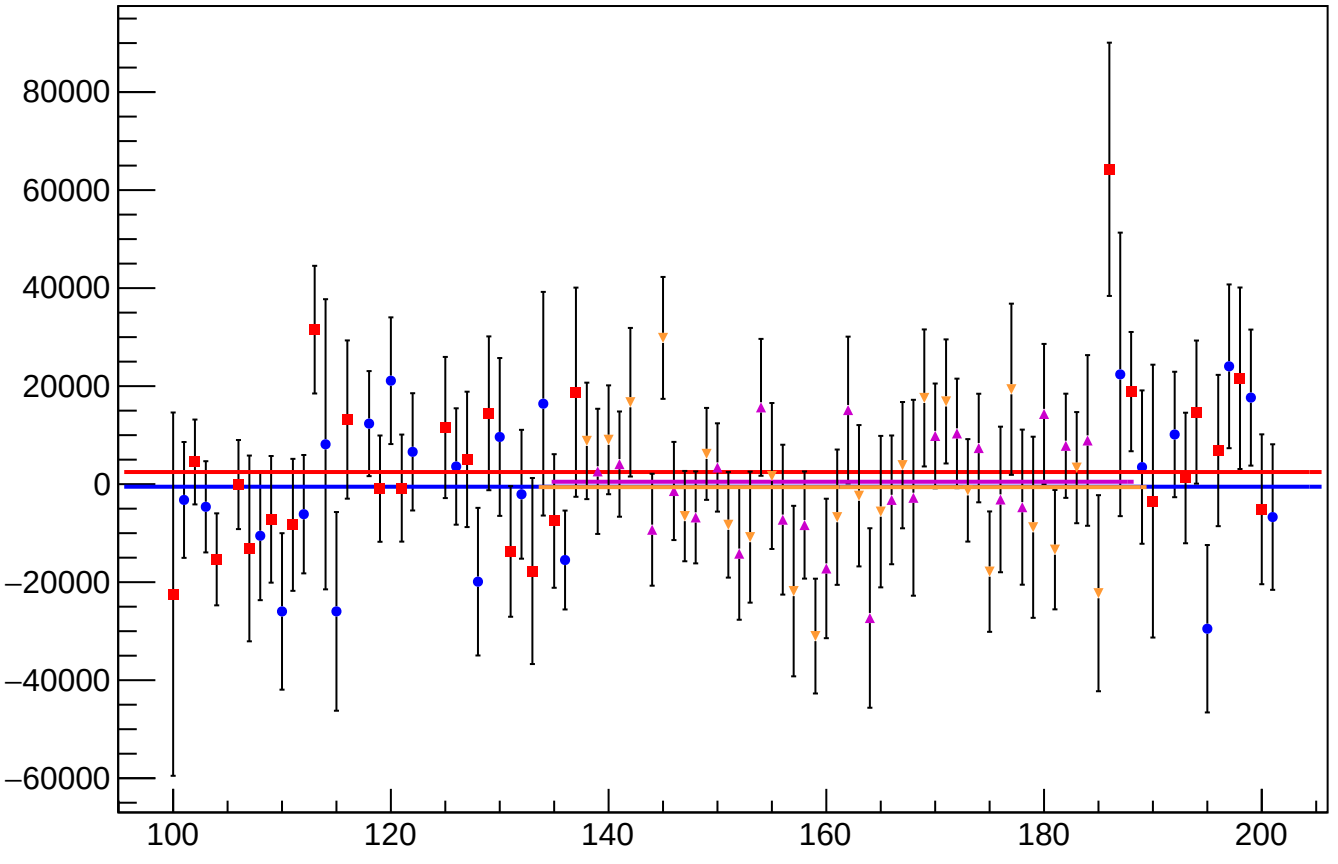
Right Out: 2270.137+/-0.446 χ^2/NDF: 192286.4/25

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

\+ sign 2326.030+/-0.297 χ^2/NDF: 349576.8/46

All: 2324.124+/-0.209 χ^2/NDF: 657950.4/95

\- sign 2322.257+/-0.294 χ^2/NDF: 308292.1/48



Right In: -523.854+/-2868.366 χ^2/NDF: 23.1/22

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

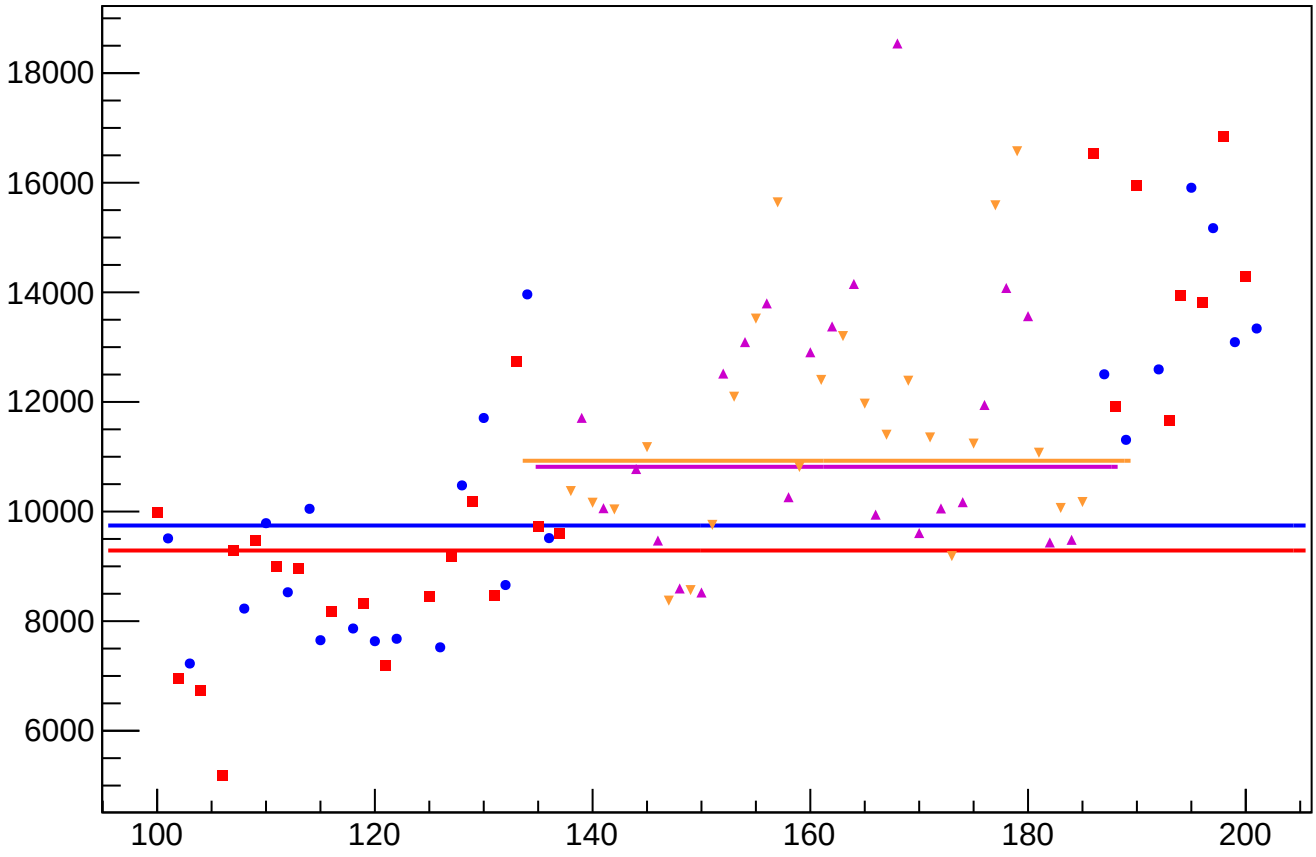
Right Out: 2475.293+/-2674.544 χ^2/NDF: 26.1/25

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -570.369+/-1922.275 χ^2/NDF: 52.0/46

All: 473.215+/-1335.139 χ^2/NDF: 92.5/95

- sign 1445.892+/-1855.822 χ^2/NDF: 39.9/48



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: 9289.253+/-1.891 χ^2/NDF: 2243178.1/25

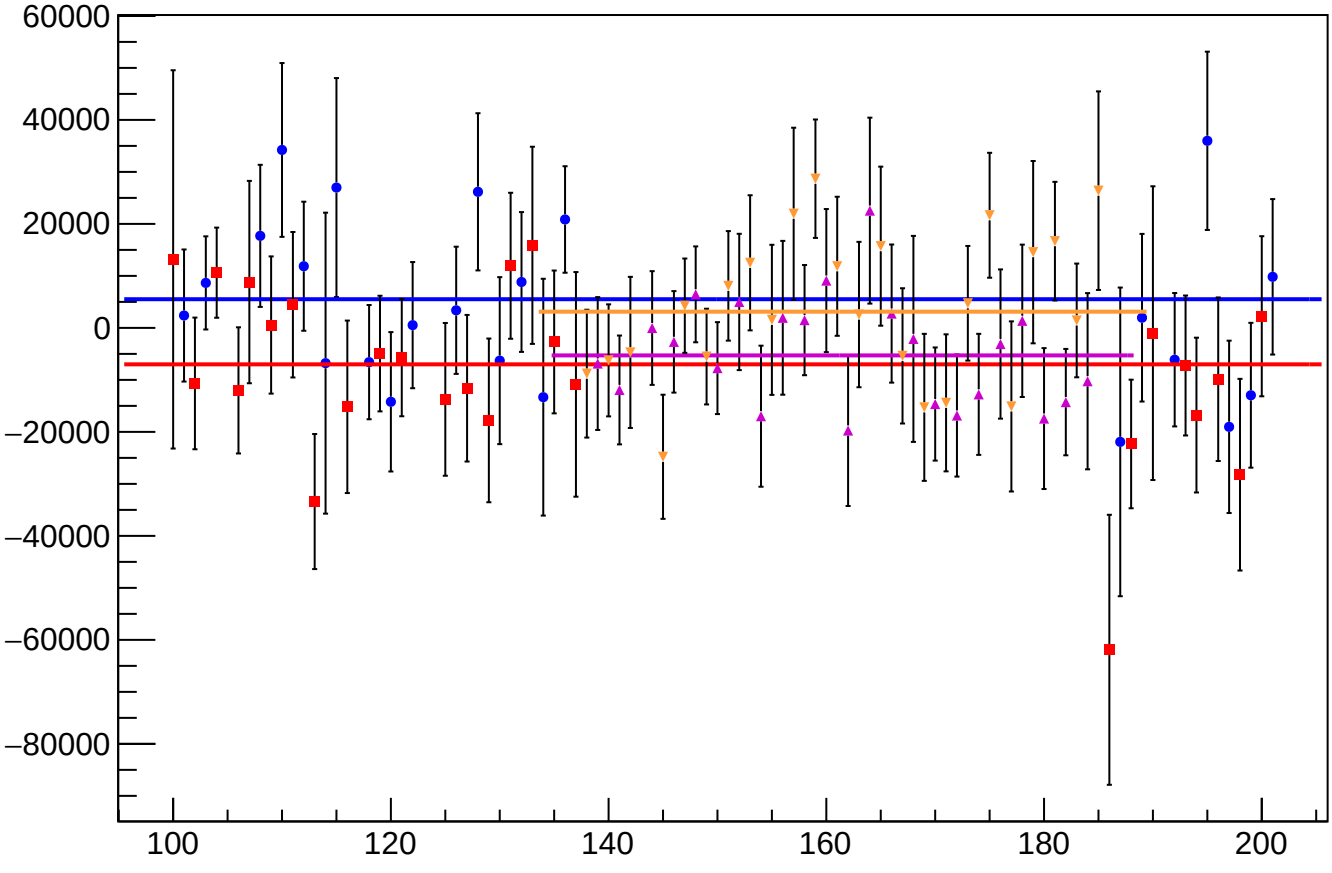
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10396.175+/-1.359 χ^2/NDF: 2664126.8/46

All: 10233.090+/-0.944 χ^2/NDF: 6470028.3/9

- sign 10081.085+/-1.312 χ^2/NDF: 3778088.4/48

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: -7012.004+/-2821.424 χ^2/NDF: 23.2/25

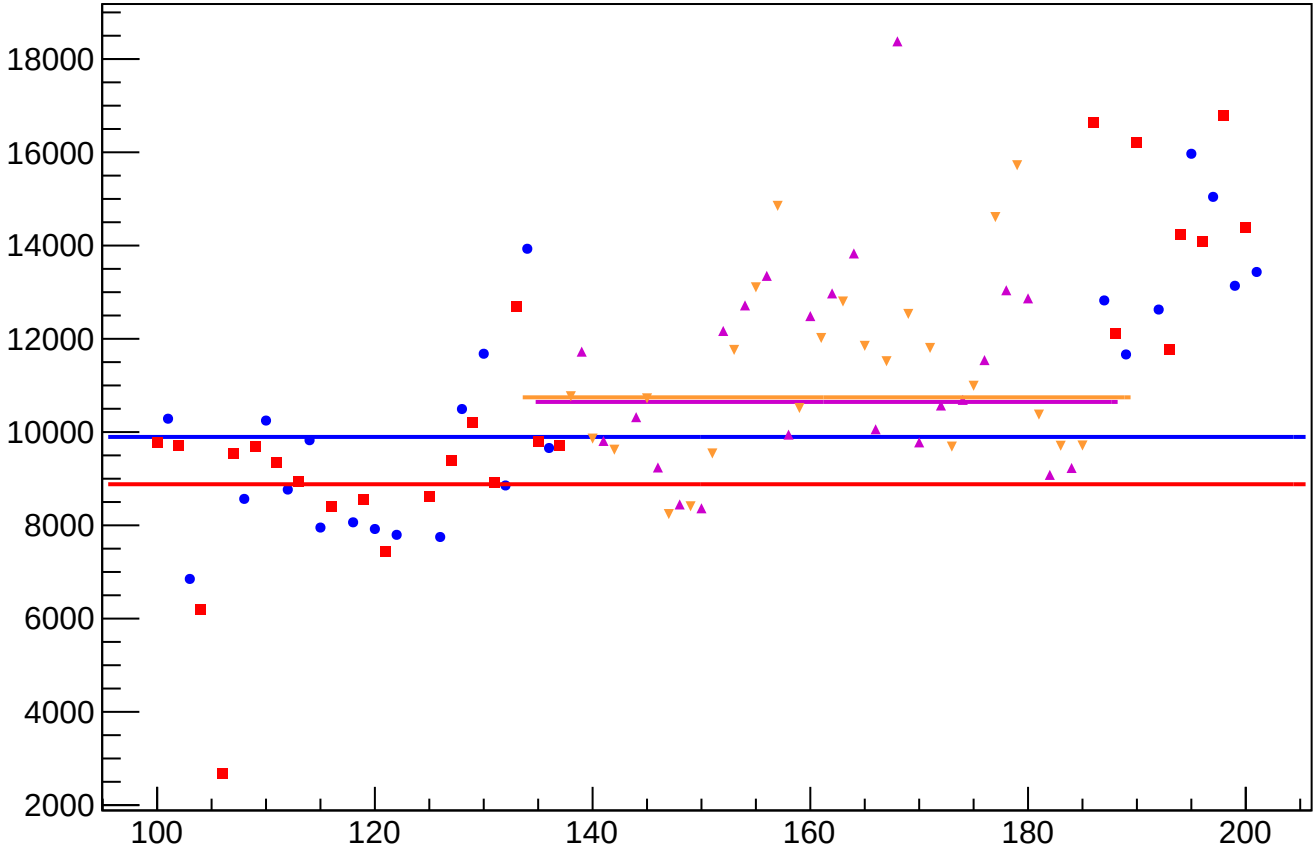
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4155.429+/-1915.593 χ^2/NDF: 51.1/46

All: -1034.370+/-1343.527 χ^2/NDF: 102.3/95

- sign -6058.908+/-1884.847 χ^2/NDF: 36.7/48

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

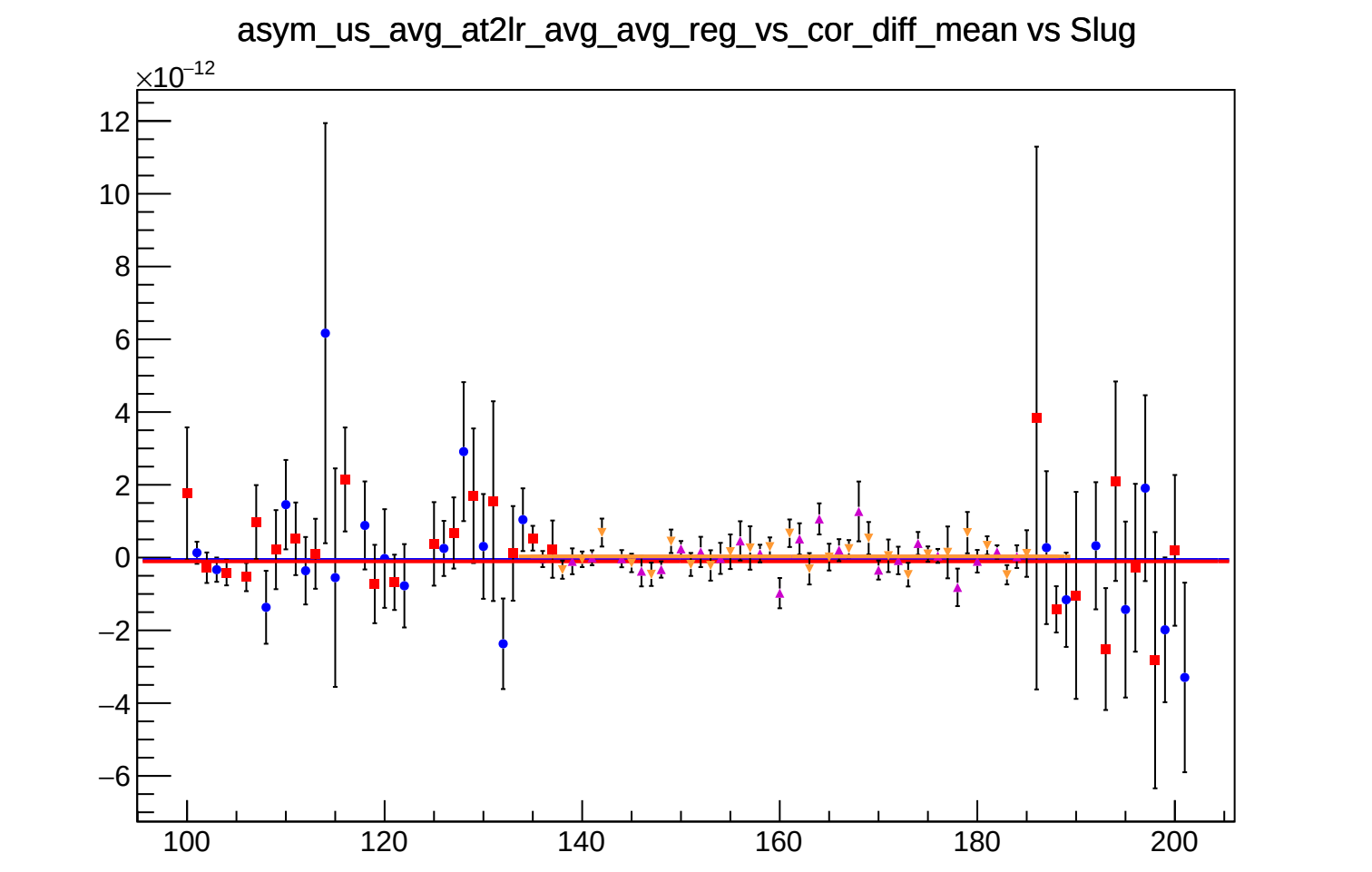
Right Out: 8881.319+/-1.884 χ^2/NDF: 3703433.0/25

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10377.928+/-1.355 χ^2/NDF: 2470272.9/46

All: 10081.039+/-0.937 χ^2/NDF: 7841066.1/9

- sign 9808.397+/-1.298 χ^2/NDF: 5278634.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

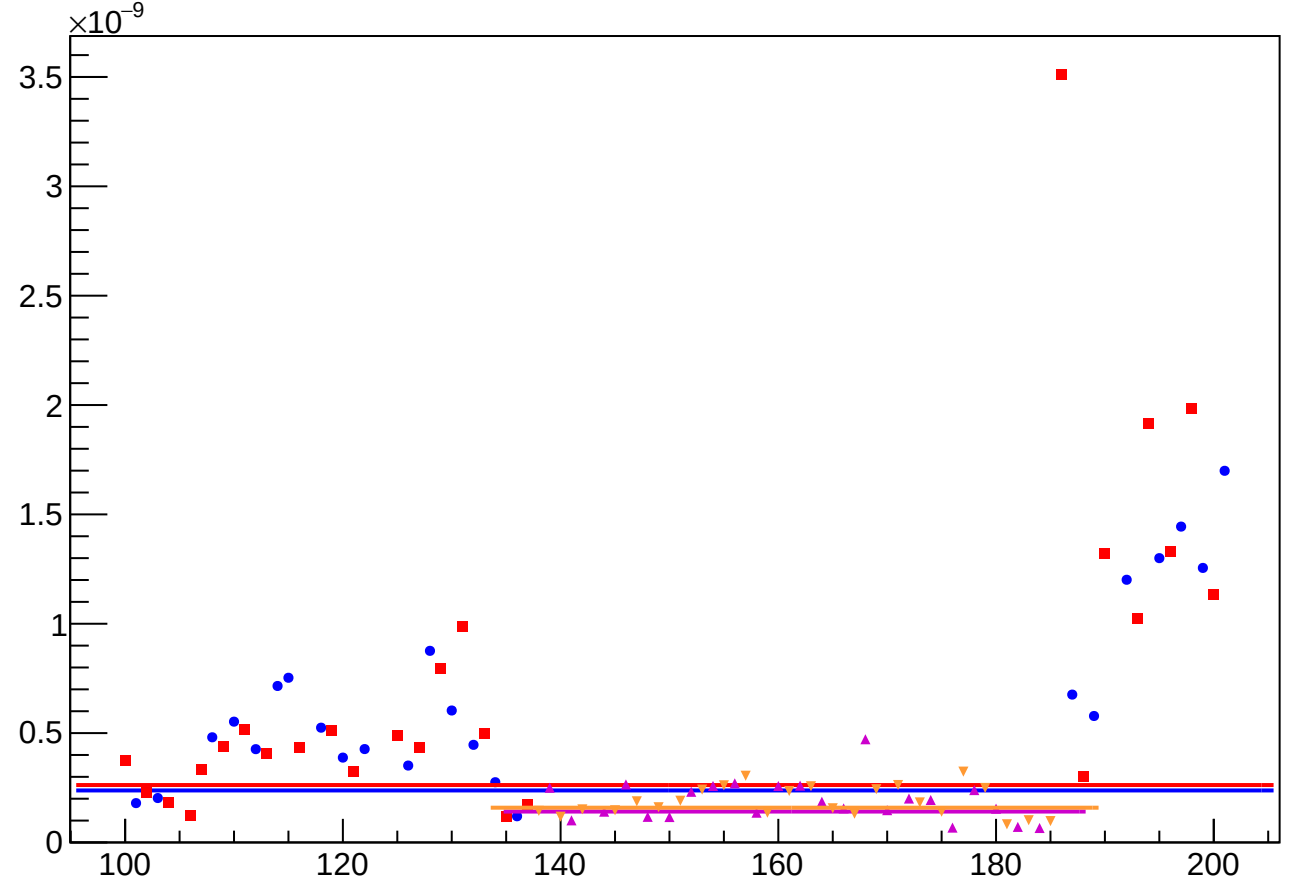
Right Out: -0.000+/-0.000 χ^2/NDF: 22.1/25

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.2/46

All: 0.000+/-0.000 χ^2/NDF: 95.9/95

- sign 0.000+/-0.000 χ^2/NDF: 50.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 4534770.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

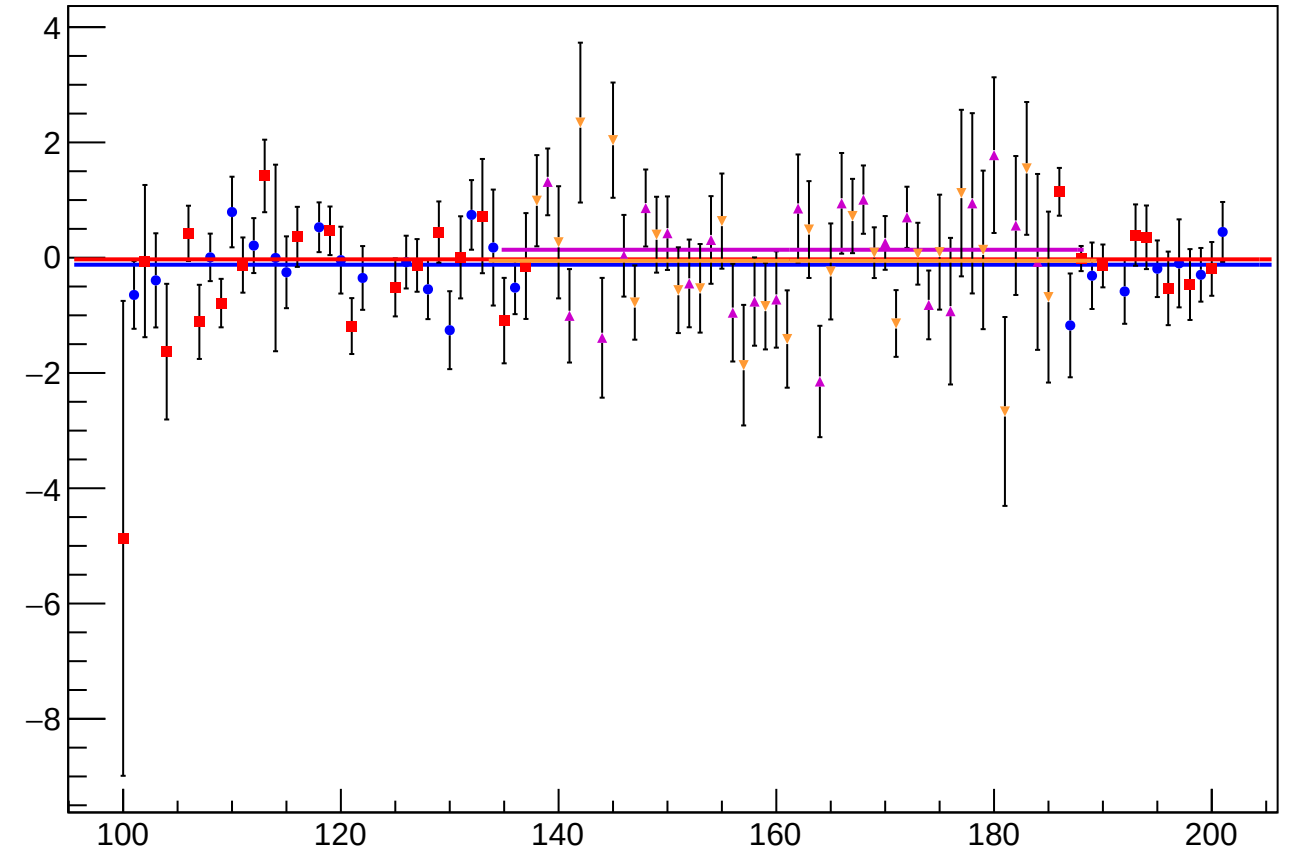
Right Out: 0.000+/-0.000 χ^2/NDF: 4710176.3/25

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: 14651781.0/95

- sign 0.000+/-0.000 χ^2/NDF: 8227730.3/48



Right In: -0.122+/-0.117 χ^2/NDF: 16.1/22

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

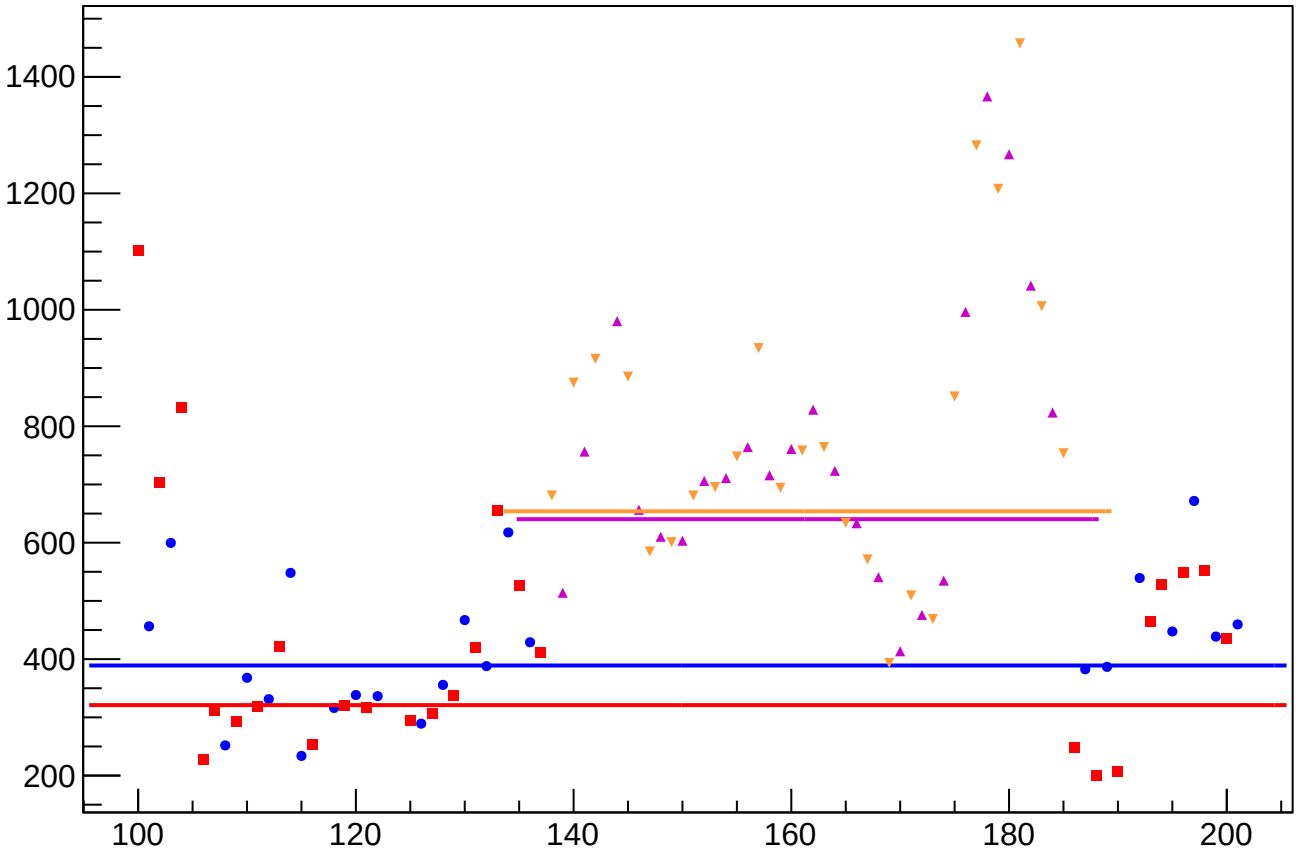
Right Out: -0.029+/-0.098 χ^2/NDF: 38.1/25

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.098+/-0.095 χ^2/NDF: 46.4/46

All: -0.033+/-0.063 χ^2/NDF: 116.1/95

- sign 0.018+/-0.084 χ^2/NDF: 68.8/48



Right In: 389.062+/-0.083 χ^2/NDF: 1401028.9/22

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

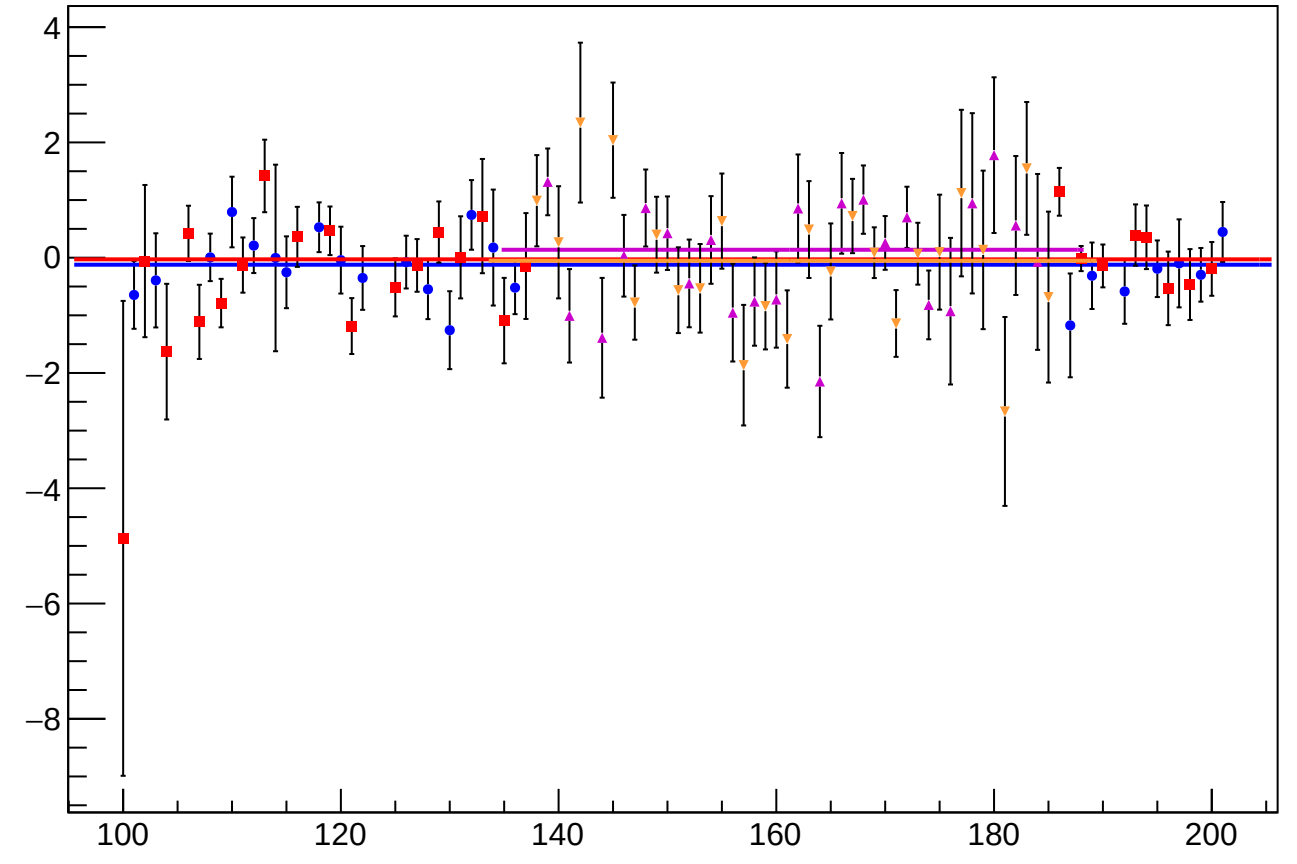
Right Out: 321.015+/-0.070 χ^2/NDF: 3190989.2/25

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 480.661+/-0.067 χ^2/NDF: 8052189.6/46

All: 441.118+/-0.044 χ^2/NDF: 20401463.8/95

- sign 410.455+/-0.059 χ^2/NDF: 11732394.7/48



Right In: -0.122+/-0.117 χ^2/NDF: 16.1/22

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

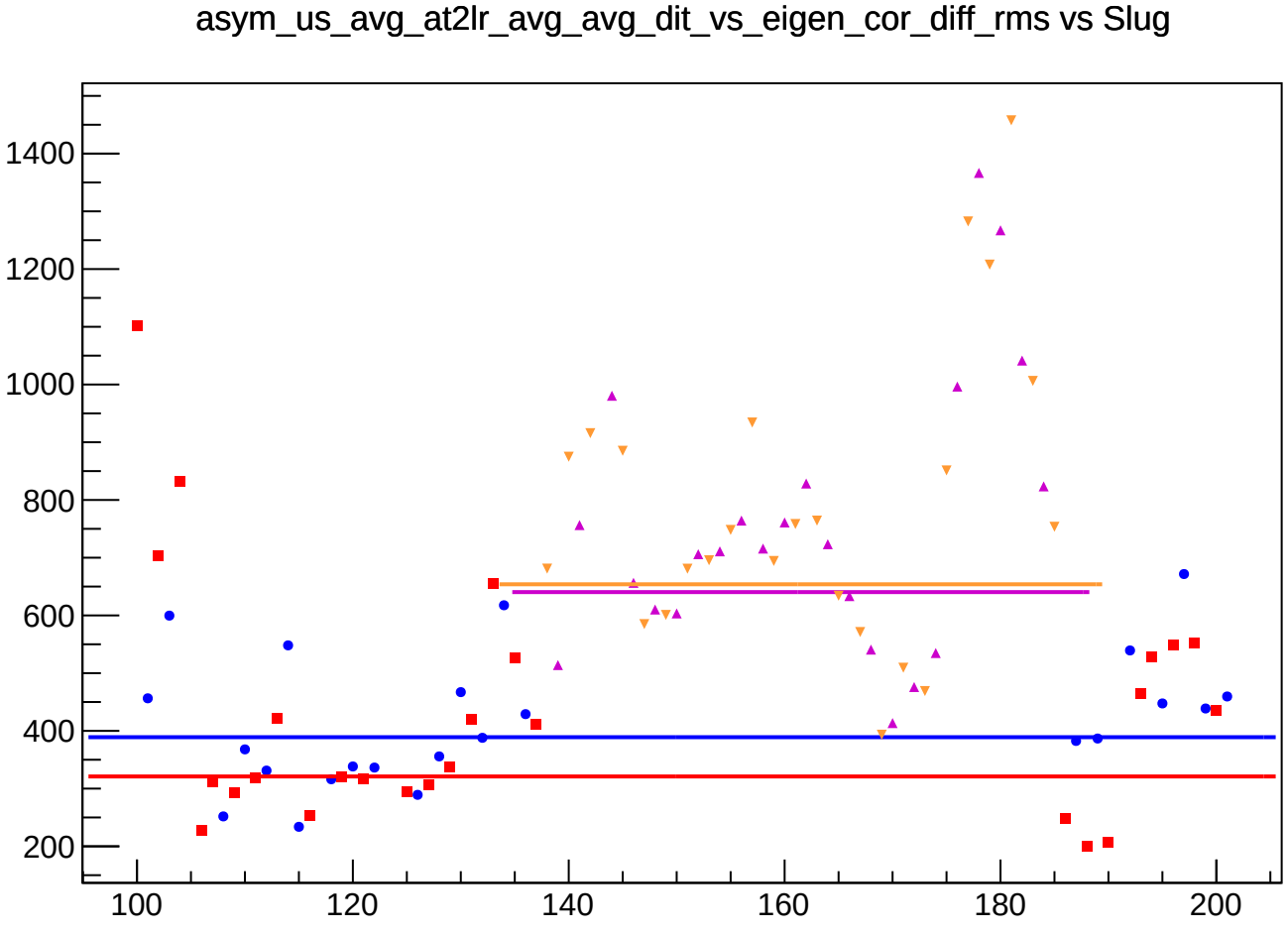
Right Out: -0.029+/-0.098 χ^2/NDF: 38.1/25

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.098+/-0.095 χ^2/NDF: 46.4/46

All: -0.033+/-0.063 χ^2/NDF: 116.1/95

- sign 0.018+/-0.084 χ^2/NDF: 68.8/48



Right In: 389.062+/-0.083 χ^2/NDF: 1401028.9/22

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

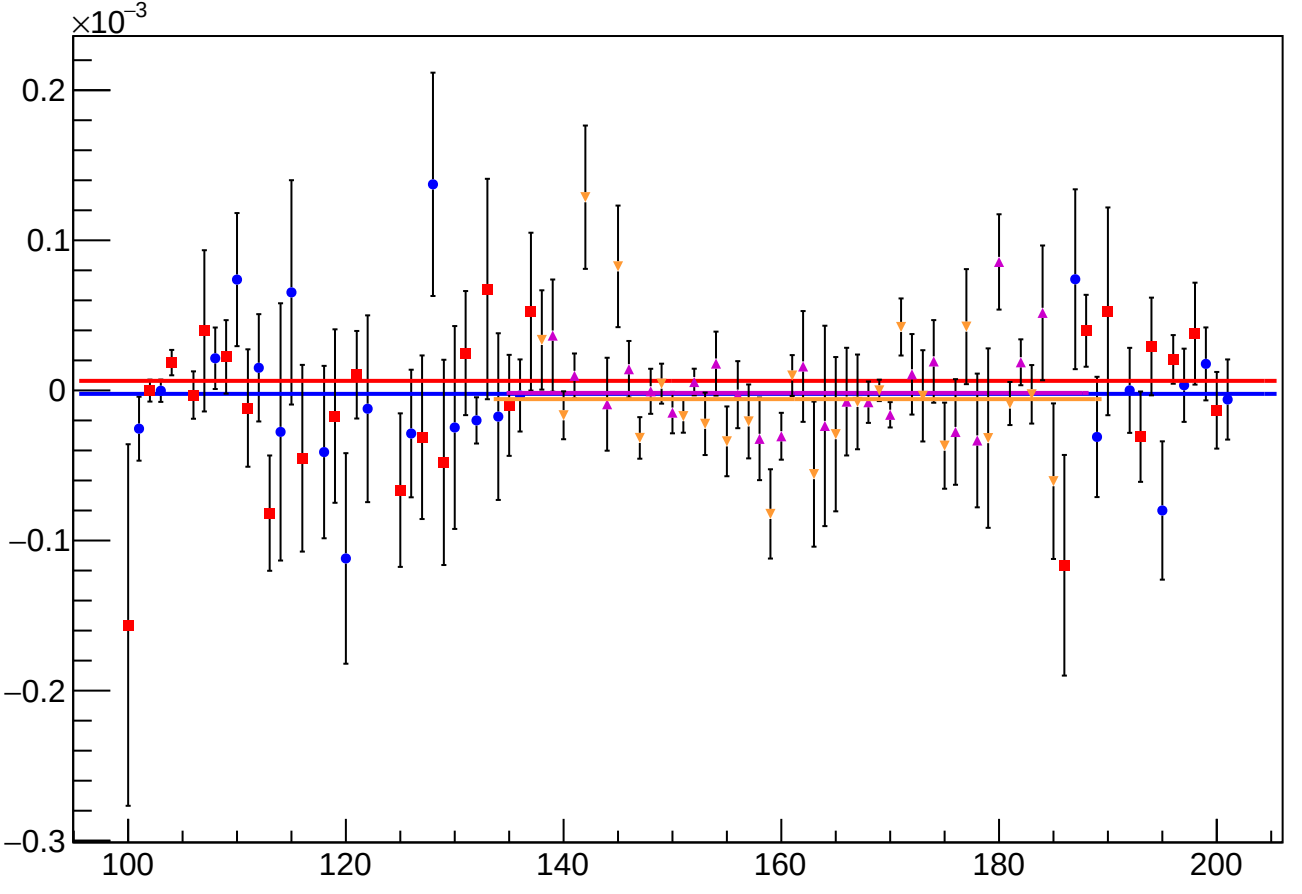
Right Out: 321.015+/-0.070 χ^2/NDF: 3190989.2/25

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 480.661+/-0.067 χ^2/NDF: 8052189.6/46

All: 441.118+/-0.044 χ^2/NDF: 20401463.8/95

- sign 410.455+/-0.059 χ^2/NDF: 11732394.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

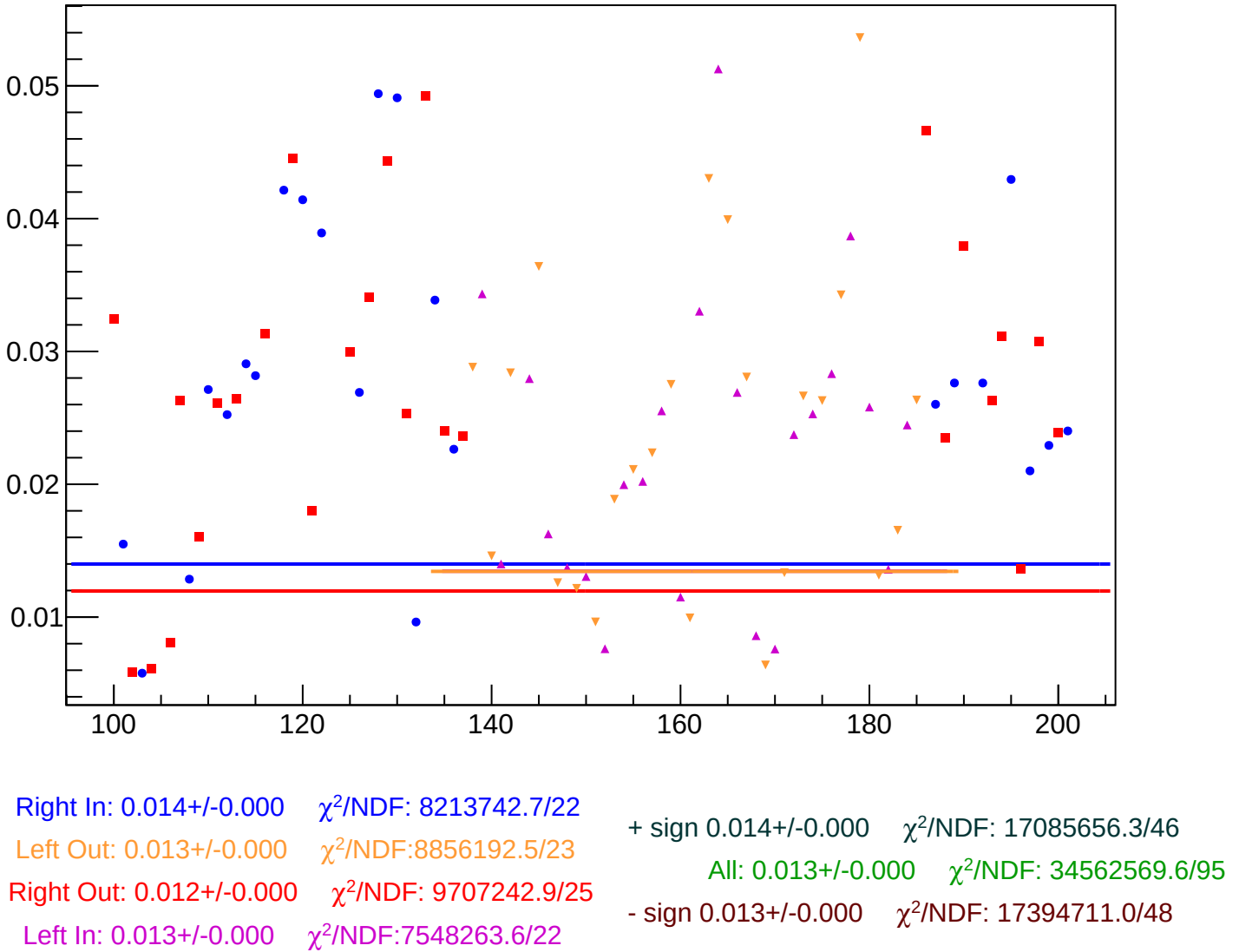
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/25

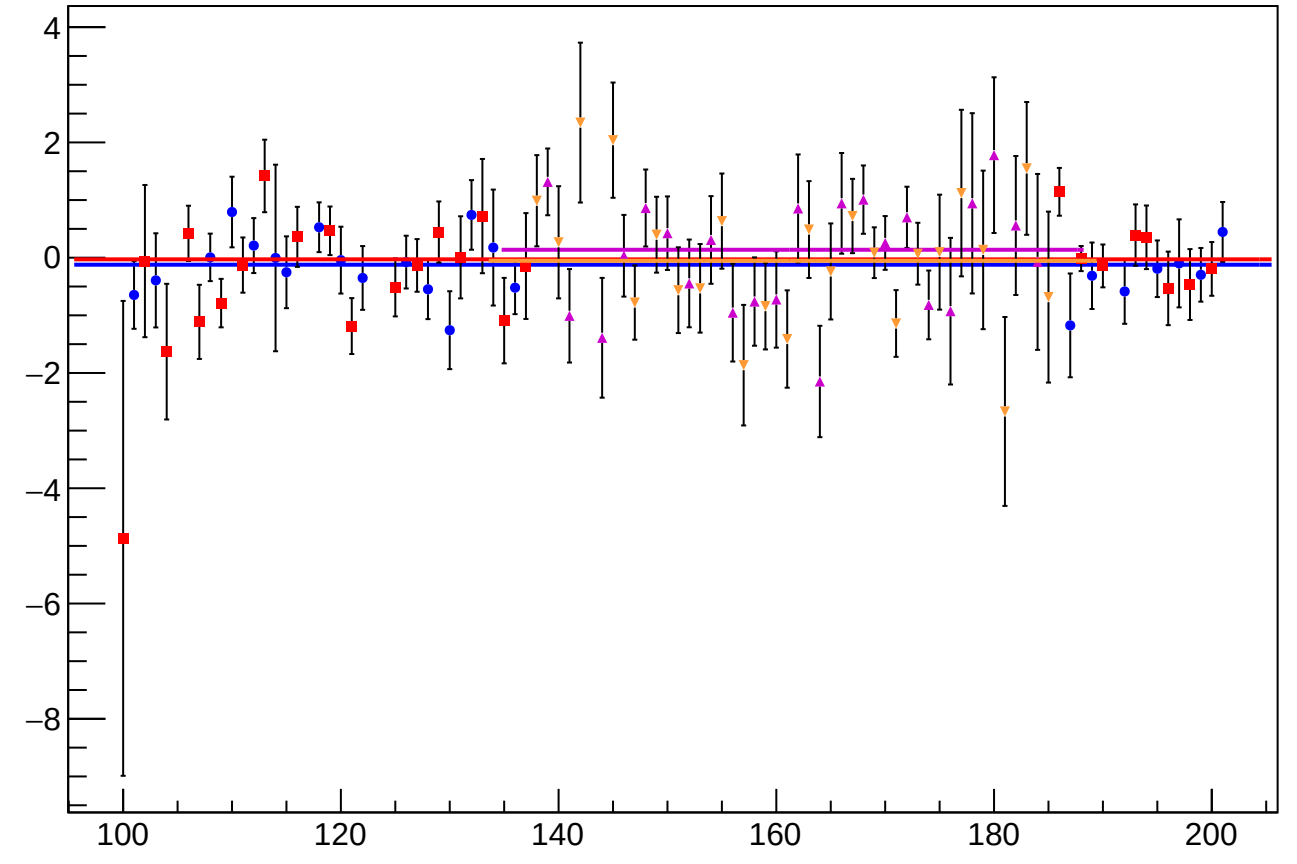
Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.7/46

All: -0.000+/-0.000 χ^2/NDF: 120.4/95

- sign 0.000+/-0.000 χ^2/NDF: 54.3/48


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
120
140
160
180
200
Right In: 0.014+/-0.000 χ²/NDF: 8213742.7/22
Left Out: 0.013+/-0.000 χ²/NDF:8856192.5/23
Right Out: 0.012+/-0.000 χ²/NDF: 9707242.9/25
Left In: 0.013+/-0.000 χ²/NDF:7548263.6/22
+ sign 0.014+/-0.000 χ²/NDF: 17085656.3/46
All: 0.013+/-0.000 χ²/NDF: 34562569.6/95
- sign 0.013+/-0.000 χ²/NDF: 17394711.0/48



Right In: -0.122+/-0.117 χ^2/NDF: 16.1/22

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

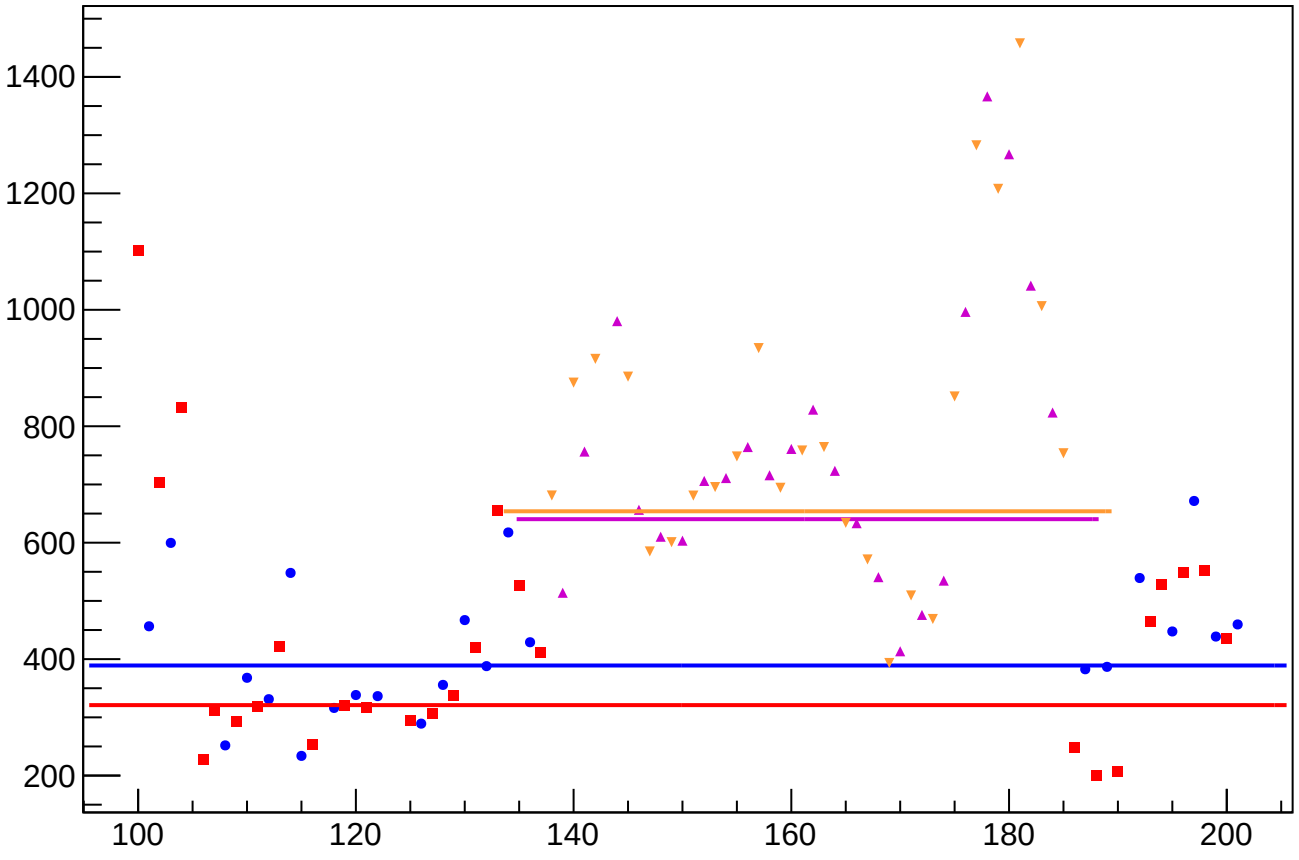
Right Out: -0.029+/-0.098 χ^2/NDF: 38.1/25

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.098+/-0.095 χ^2/NDF: 46.4/46

All: -0.033+/-0.063 χ^2/NDF: 116.1/95

- sign 0.018+/-0.084 χ^2/NDF: 68.8/48



Right In: 389.062+/-0.083 χ^2/NDF: 1401000.6/22

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

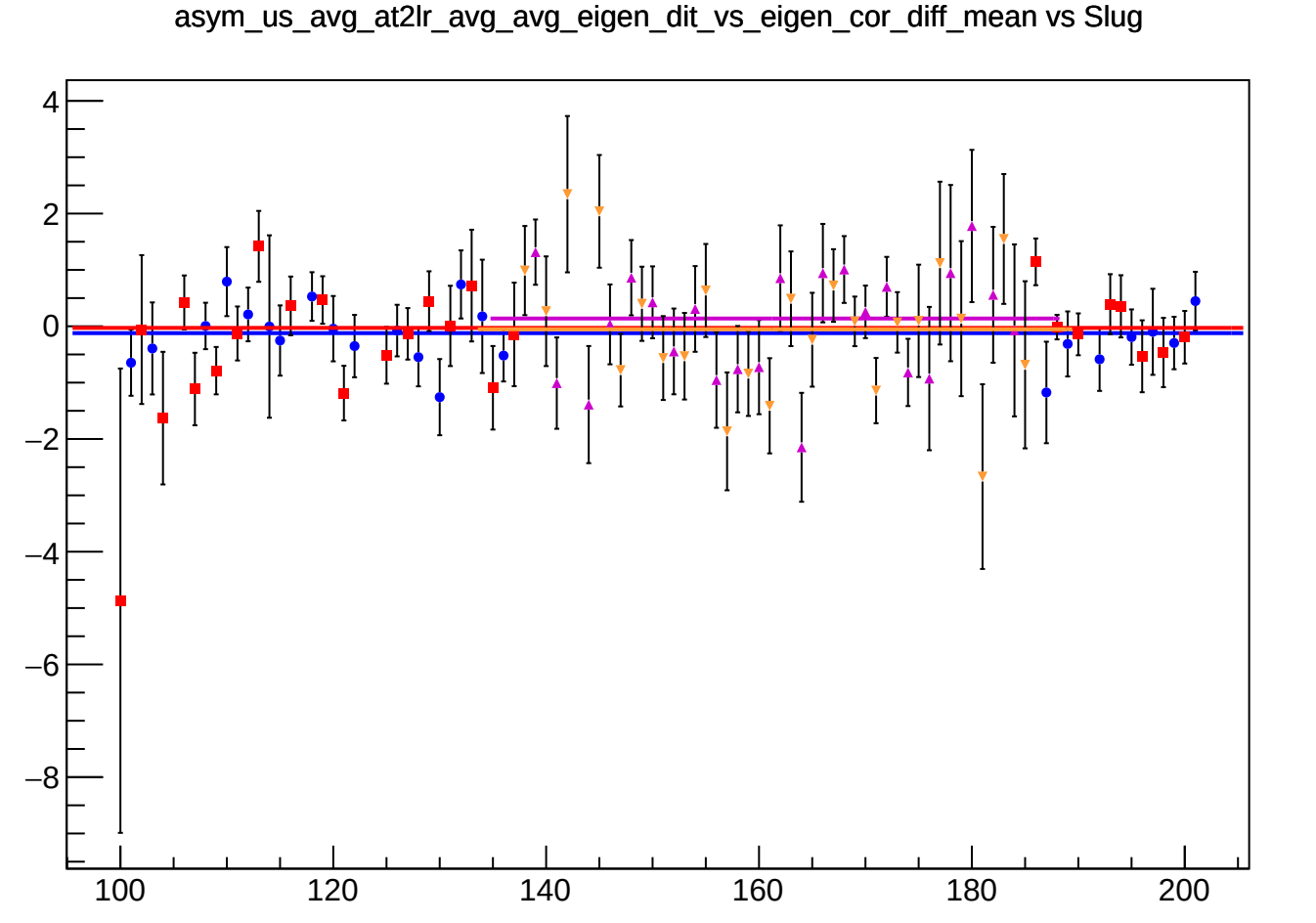
Right Out: 321.009+/-0.070 χ^2/NDF: 3191165.3/25

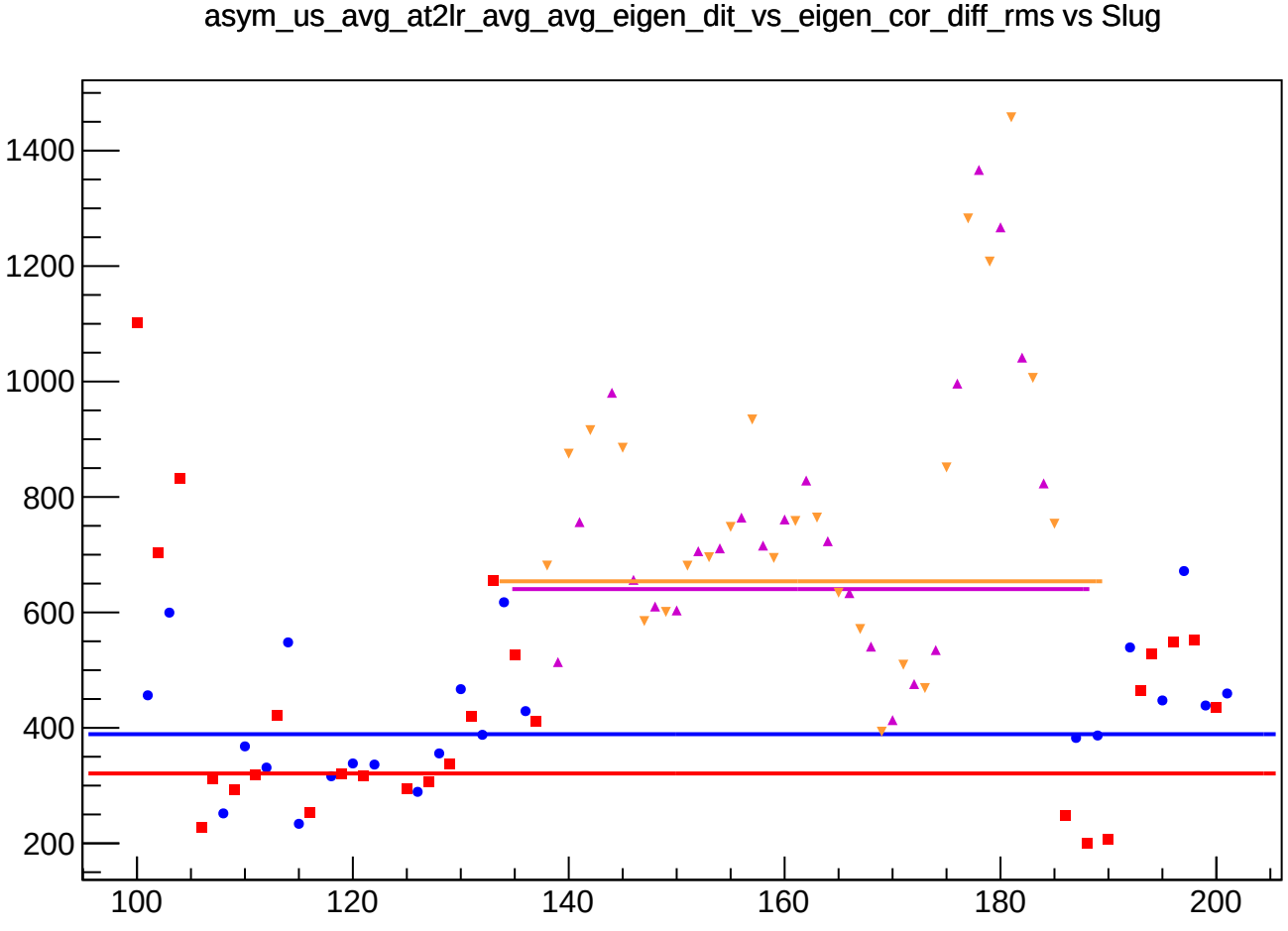
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 480.660+/-0.067 χ^2/NDF: 8052396.2/46

All: 441.113+/-0.044 χ^2/NDF: 20402415.9/95

- sign 410.449+/-0.059 χ^2/NDF: 11733042.4/48


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: -0.029+/-0.098 χ²/NDF: 38.1/25
Left In: 0.138+/-0.158 χ²/NDF:30.0/22
+ sign -0.098+/-0.095 χ²/NDF: 46.4/46
All: -0.033+/-0.063 χ²/NDF: 116.1/95
- sign 0.018+/-0.084 χ²/NDF: 68.8/48



Right In: 389.062+/-0.083 χ^2/NDF: 1401000.6/22

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

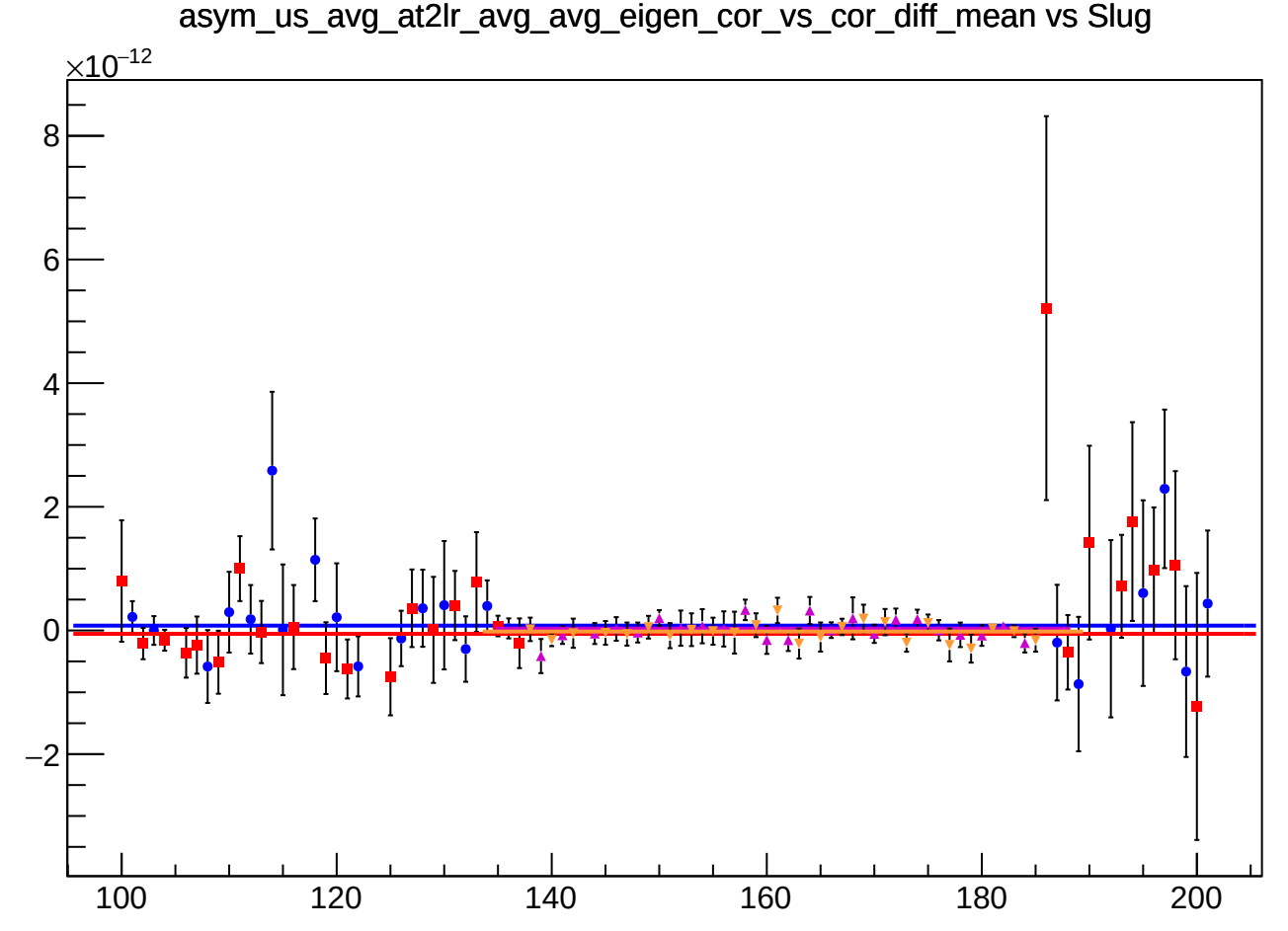
Right Out: 321.009+/-0.070 χ^2/NDF: 3191165.3/25

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 480.660+/-0.067 χ^2/NDF: 8052396.2/46

All: 441.113+/-0.044 χ^2/NDF: 20402415.9/95

- sign 410.449+/-0.059 χ^2/NDF: 11733042.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

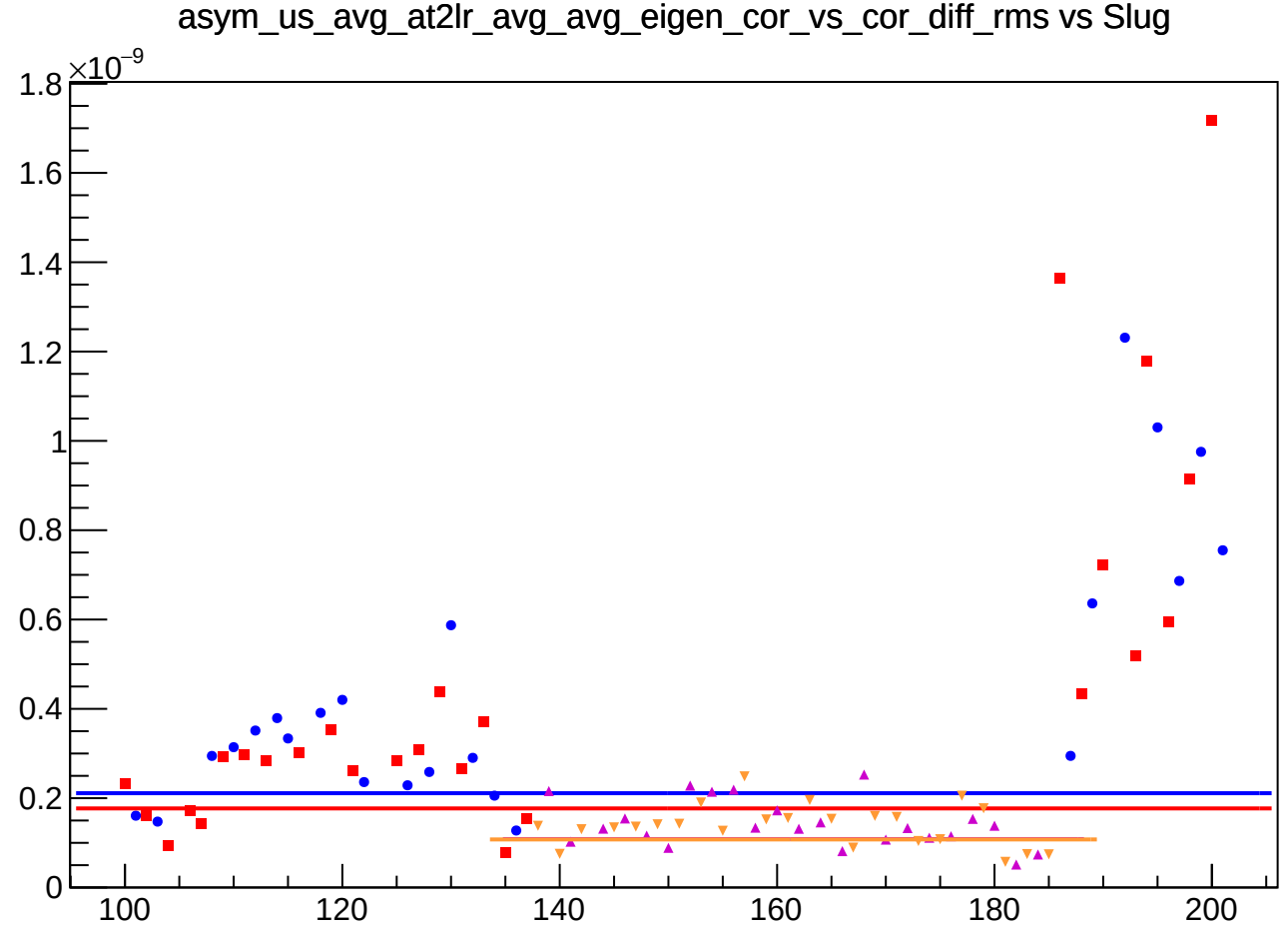
Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/25

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.1/46

All: 0.000+/-0.000 χ^2/NDF: 70.3/95

- sign 0.000+/-0.000 χ^2/NDF: 39.9/48



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: 6163852.5/25

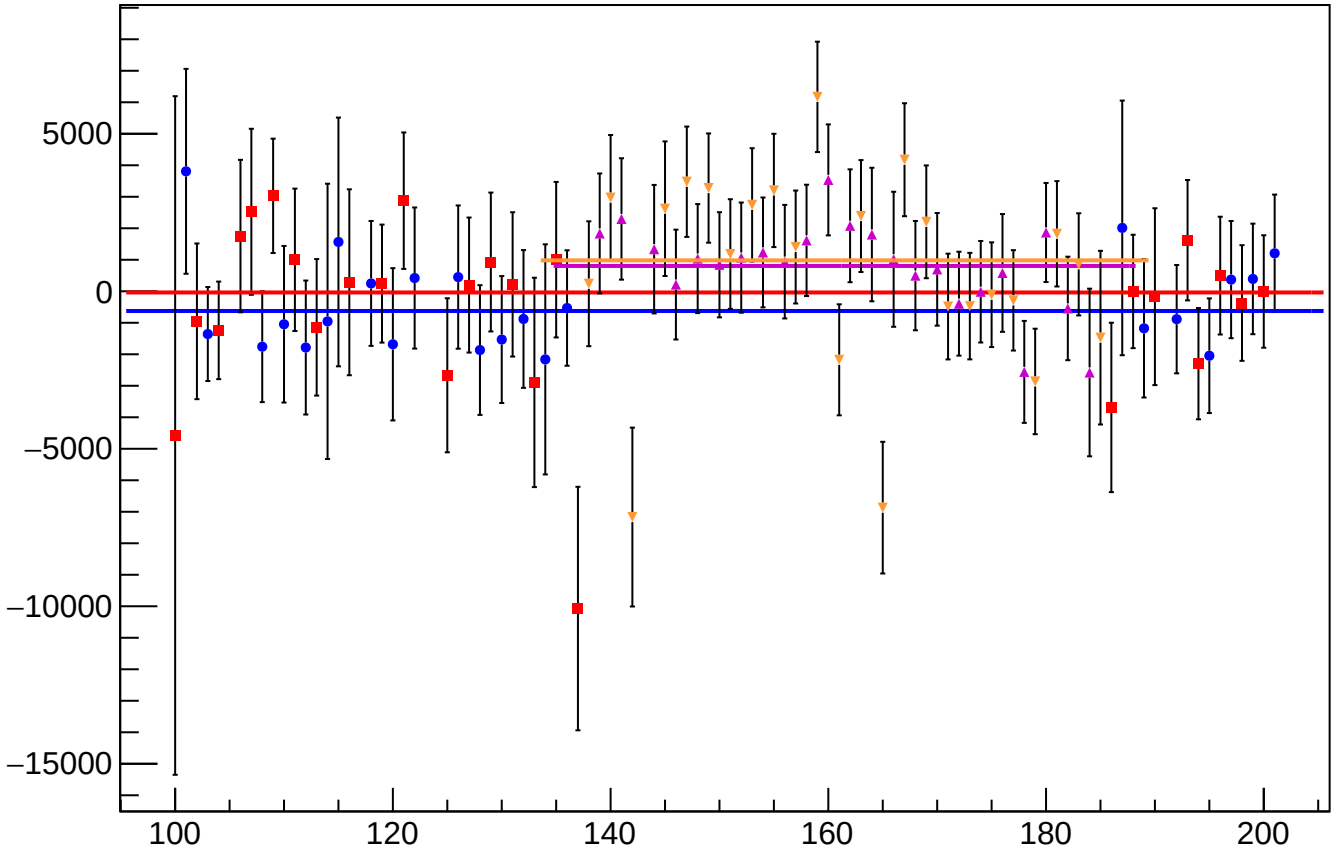
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

\+ sign 0.000+/-0.000 χ^2/NDF: 10465716.0/46

All: 0.000+/-0.000 χ^2/NDF: 21667959.1/95

\- sign 0.000+/-0.000 χ^2/NDF: 11200891.3/48

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: -37.658+/-430.435 χ^2/NDF: 21.0/25

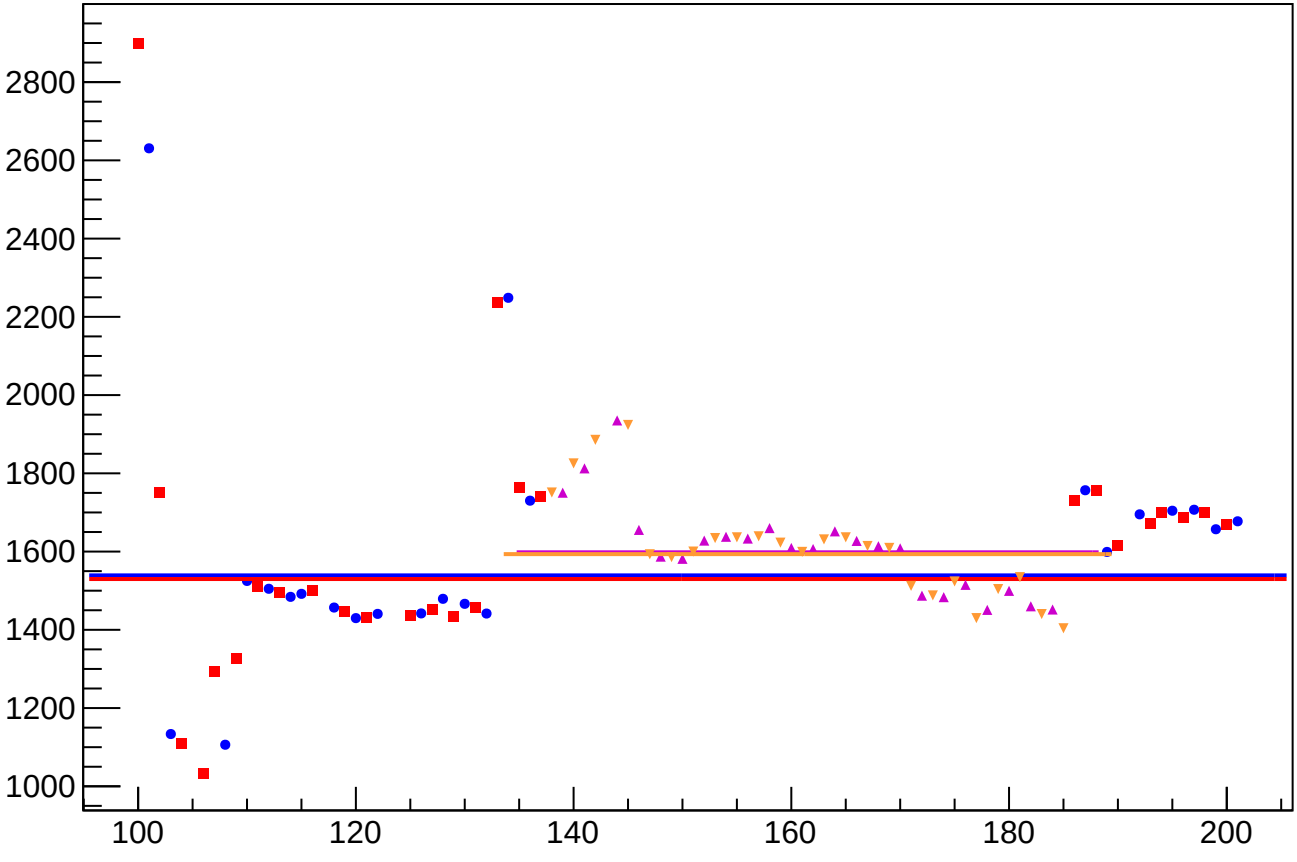
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 322.304+/-284.791 χ^2/NDF: 70.7/46

All: 382.569+/-200.508 χ^2/NDF: 106.4/95

\- sign 441.804+/-282.345 χ^2/NDF: 35.6/48

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

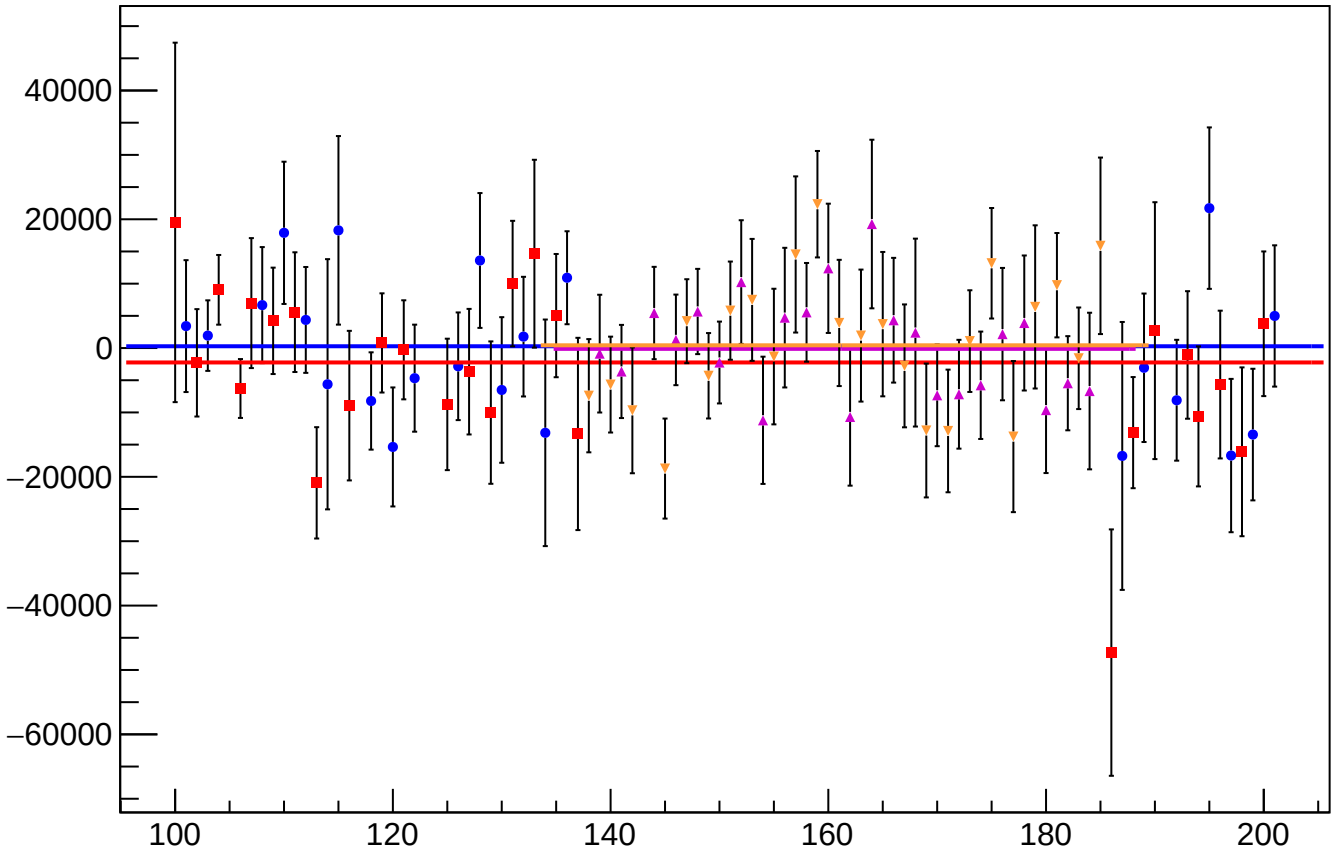
Right Out: 1529.839+/-0.303 χ^2/NDF: 597944.6/25

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1571.188+/-0.201 χ^2/NDF: 897543.4/46

All: 1569.873+/-0.142 χ^2/NDF: 1693552.7/95

- sign 1568.586+/-0.199 χ^2/NDF: 795925.0/48



Right In: 277.787+/-2012.585 χ^2/NDF: 23.0/22

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

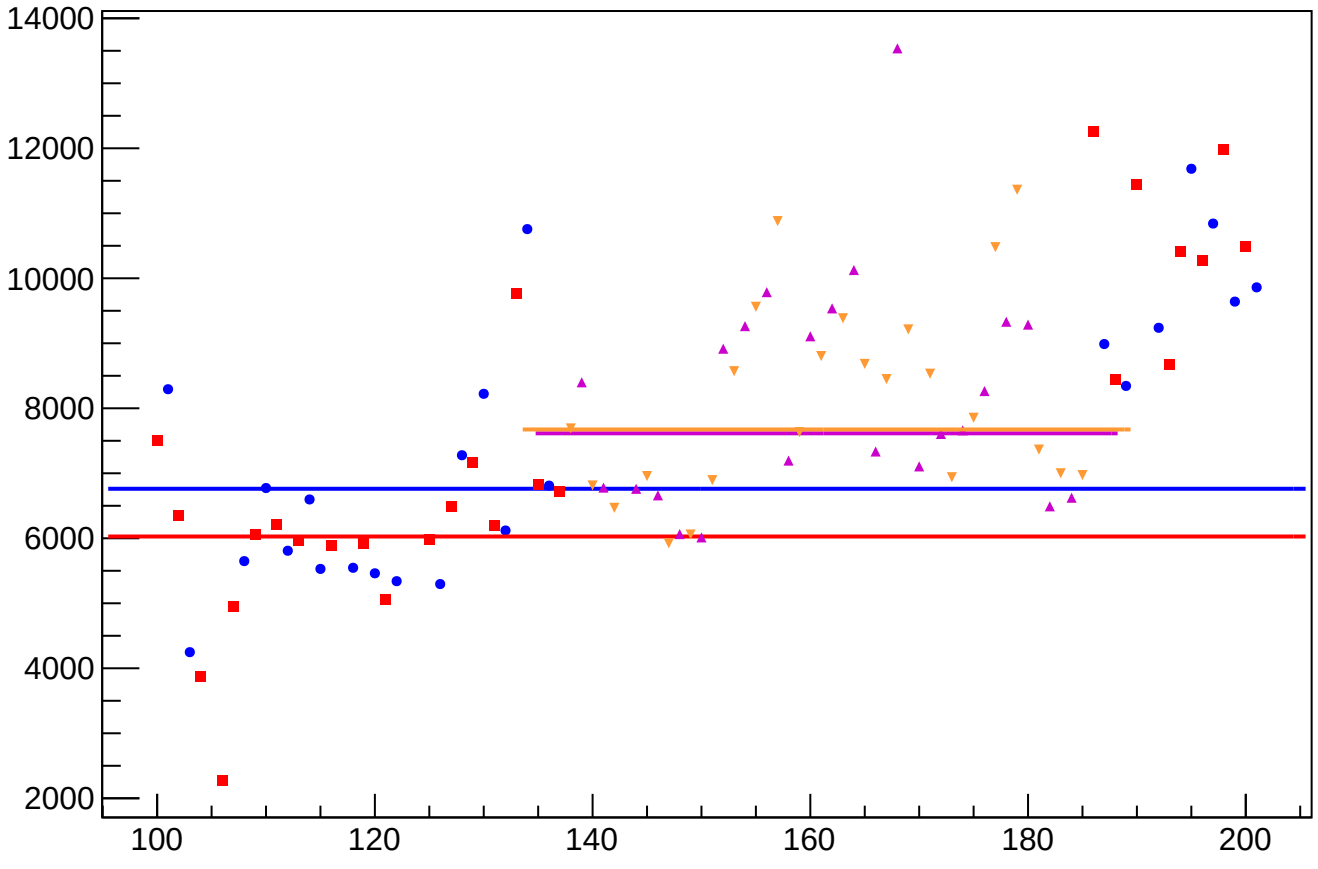
Right Out: -2238.105+/-1808.386 χ^2/NDF: 27.4/25

Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 359.713+/-1349.849 χ^2/NDF: 52.3/46

All: -453.567+/-929.188 χ^2/NDF: 95.0/95

- sign -1185.993+/-1280.994 χ^2/NDF: 41.9/48



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: 6027.646+/-1.279 χ^2/NDF: 3893413.5/25

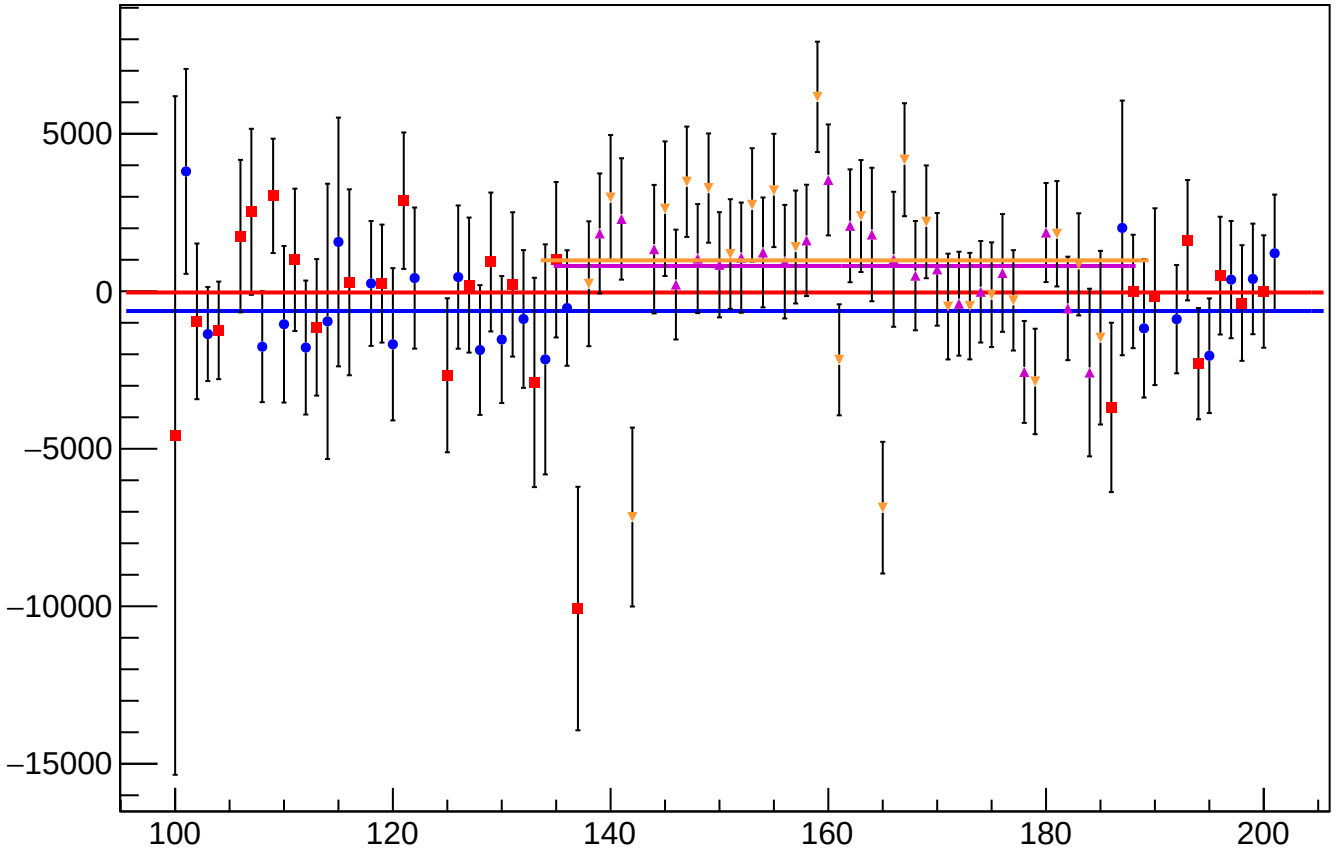
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7263.656+/-0.954 χ^2/NDF: 3263924.3/46

All: 7029.428+/-0.657 χ^2/NDF: 9264030.2/95

- sign 6818.487+/-0.906 χ^2/NDF: 5885654.1/48

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: -37.728+/-430.435 χ^2/NDF: 21.0/25

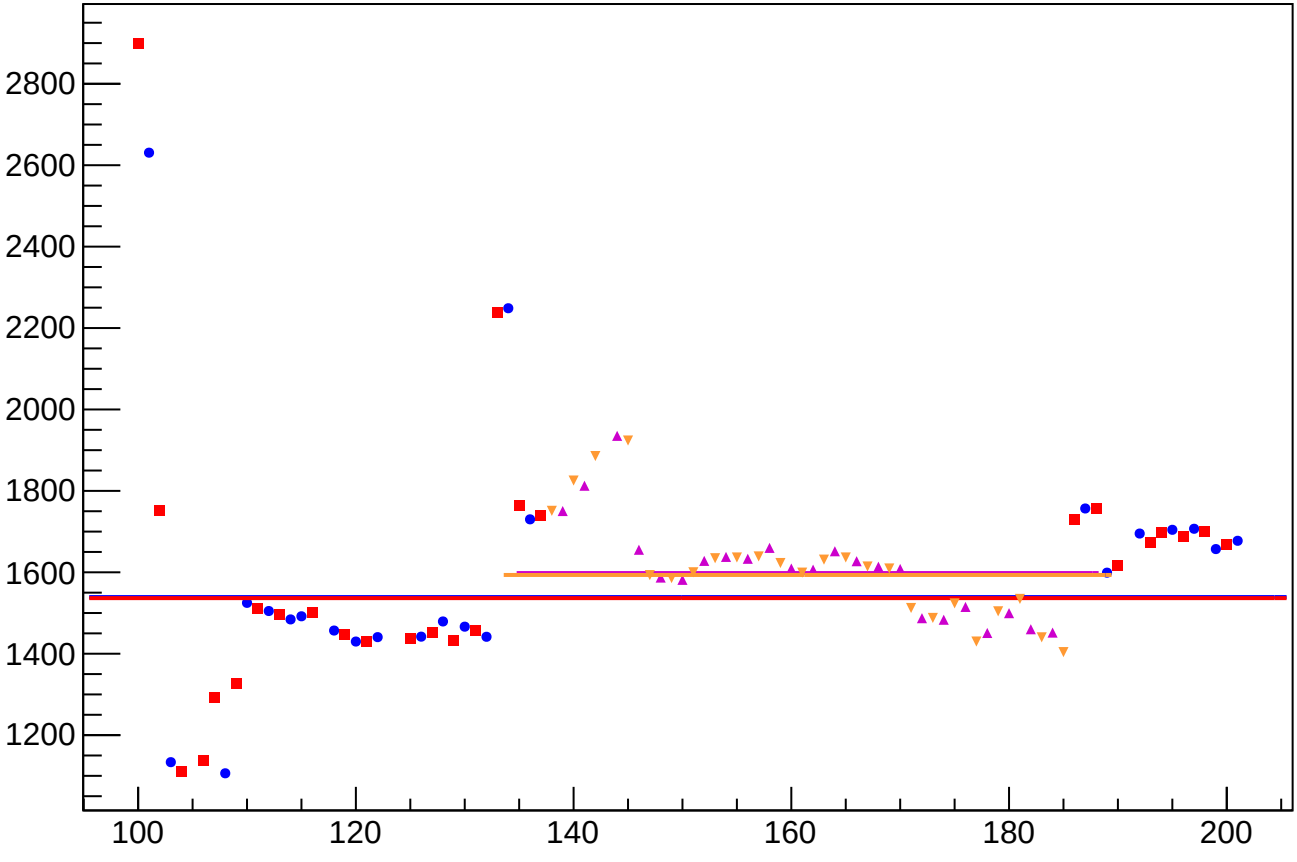
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 322.332+/-284.791 χ^2/NDF: 70.7/46

All: 382.532+/-200.508 χ^2/NDF: 106.4/95

- sign 441.703+/-282.345 χ^2/NDF: 35.6/48

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

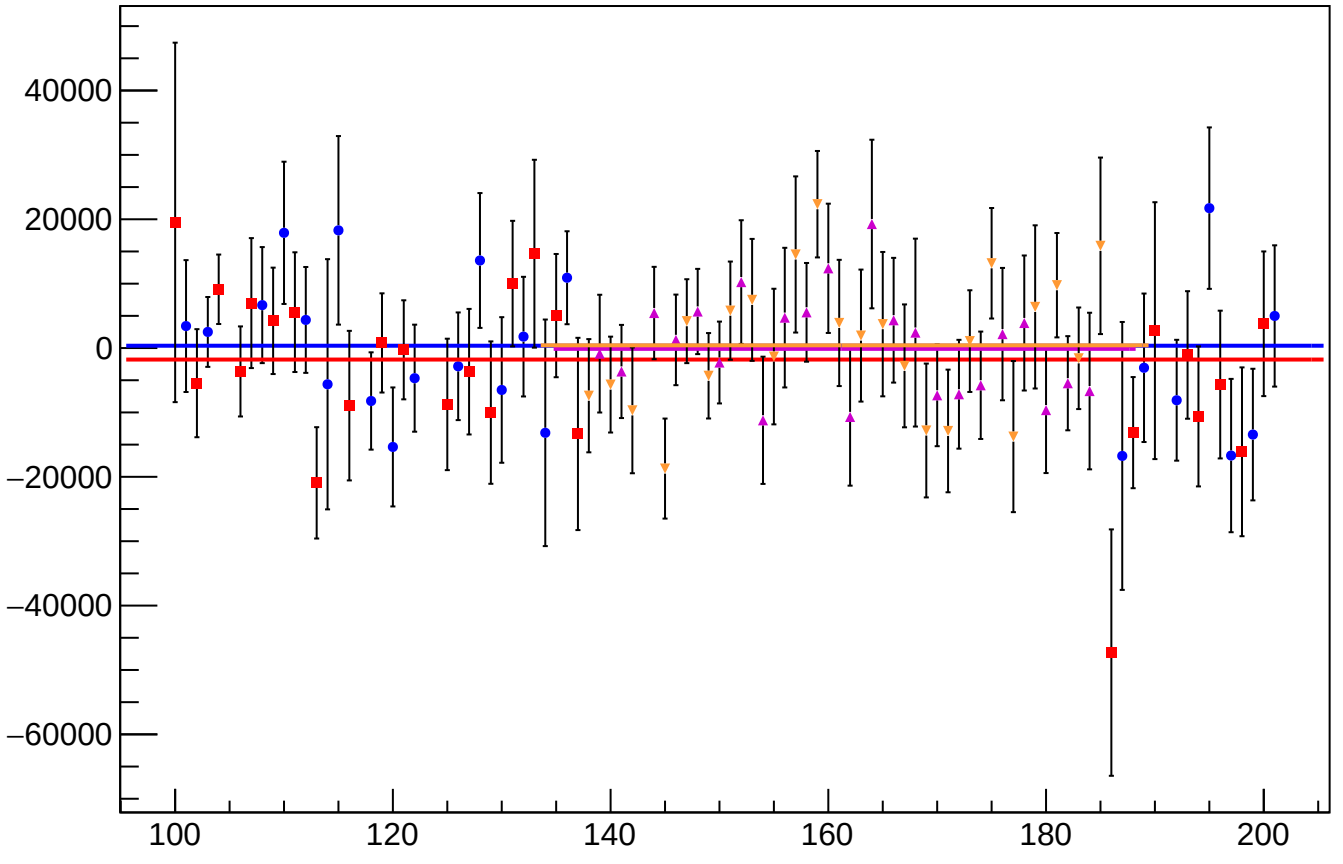
Right Out: 1536.556+/-0.304 χ^2/NDF: 546228.8/25

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1571.188+/-0.201 χ^2/NDF: 897543.8/46

All: 1571.390+/-0.142 χ^2/NDF: 1636278.4/95

- sign 1571.587+/-0.200 χ^2/NDF: 738732.6/48



Right In: 360.715+/-2009.950 χ^2/NDF: 23.0/22

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

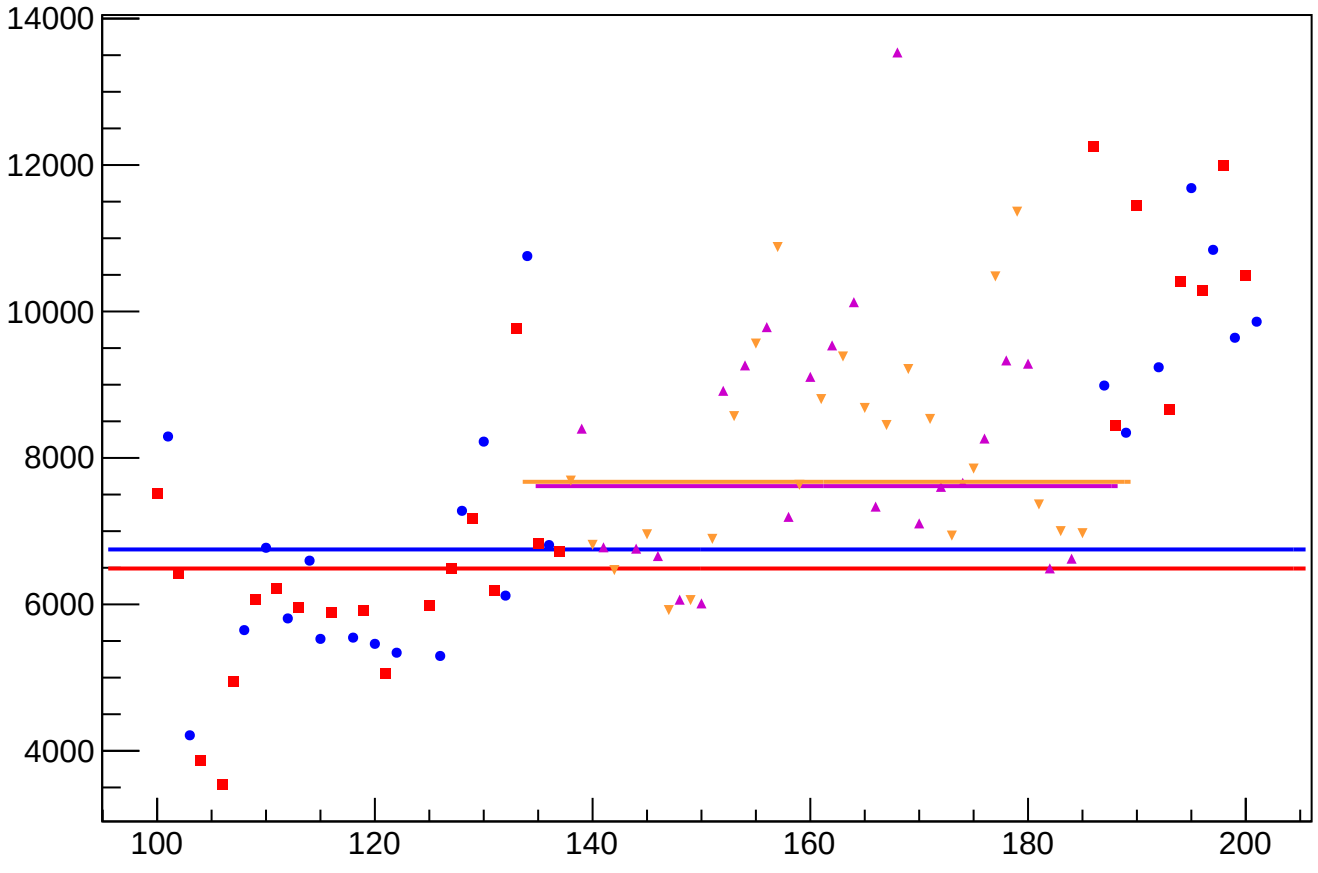
Right Out: -1786.635+/-1895.115 χ^2/NDF: 26.8/25

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 396.975+/-1349.054 χ^2/NDF: 52.4/46

All: -280.783+/-940.087 χ^2/NDF: 94.0/95

- sign -920.592+/-1310.742 χ^2/NDF: 41.1/48



Right In: 6750.247+/-1.421 χ^2/NDF: 1981463.3/22

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

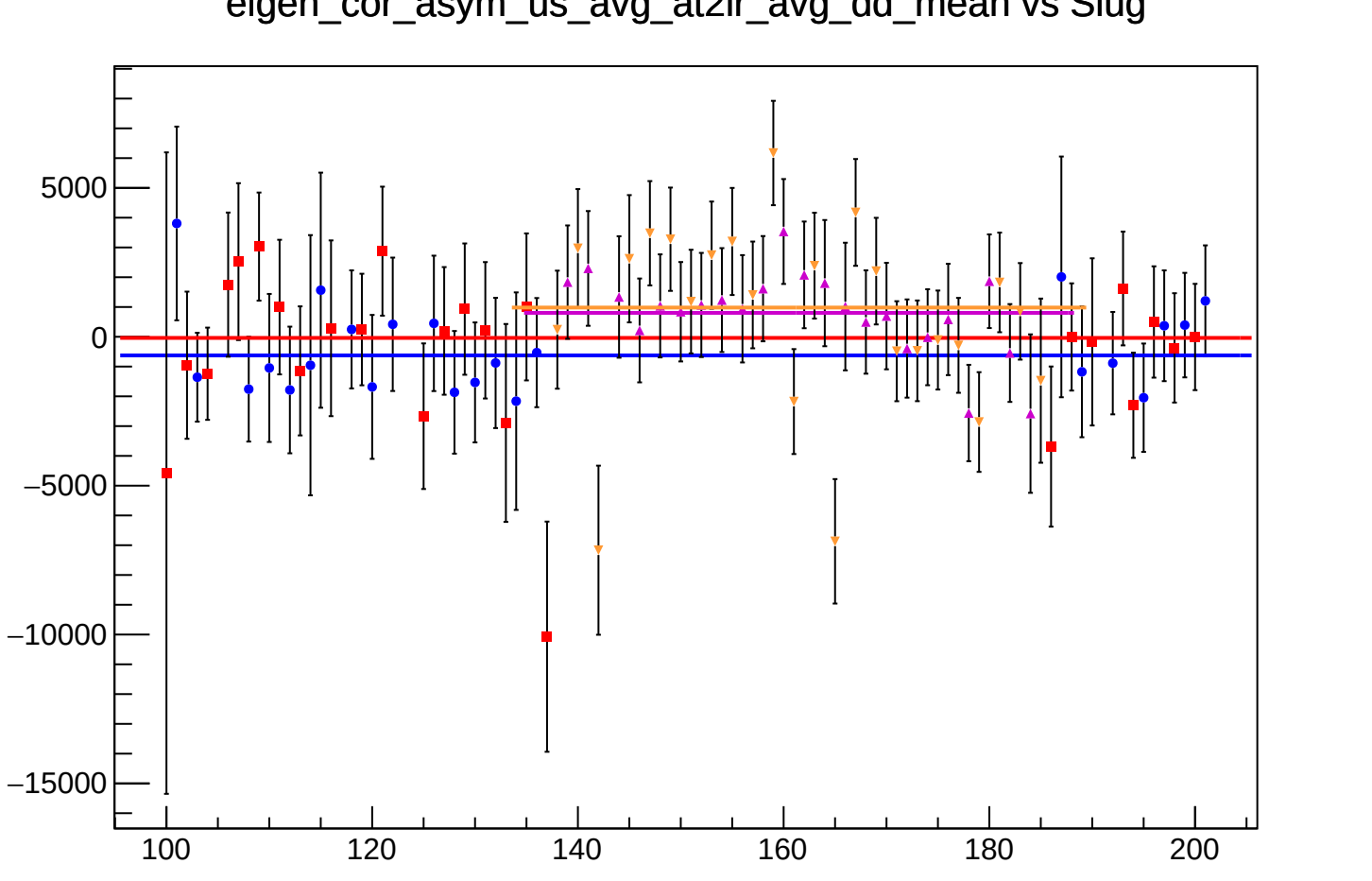
Right Out: 6490.001+/-1.340 χ^2/NDF: 2684367.8/25

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7257.890+/-0.954 χ^2/NDF: 3290344.5/46

All: 7164.746+/-0.665 χ^2/NDF: 7585392.1/95

- sign 7076.817+/-0.927 χ^2/NDF: 4276512.9/48



Right In: -625.579+/-444.638 χ^2/NDF: 7.4/22

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

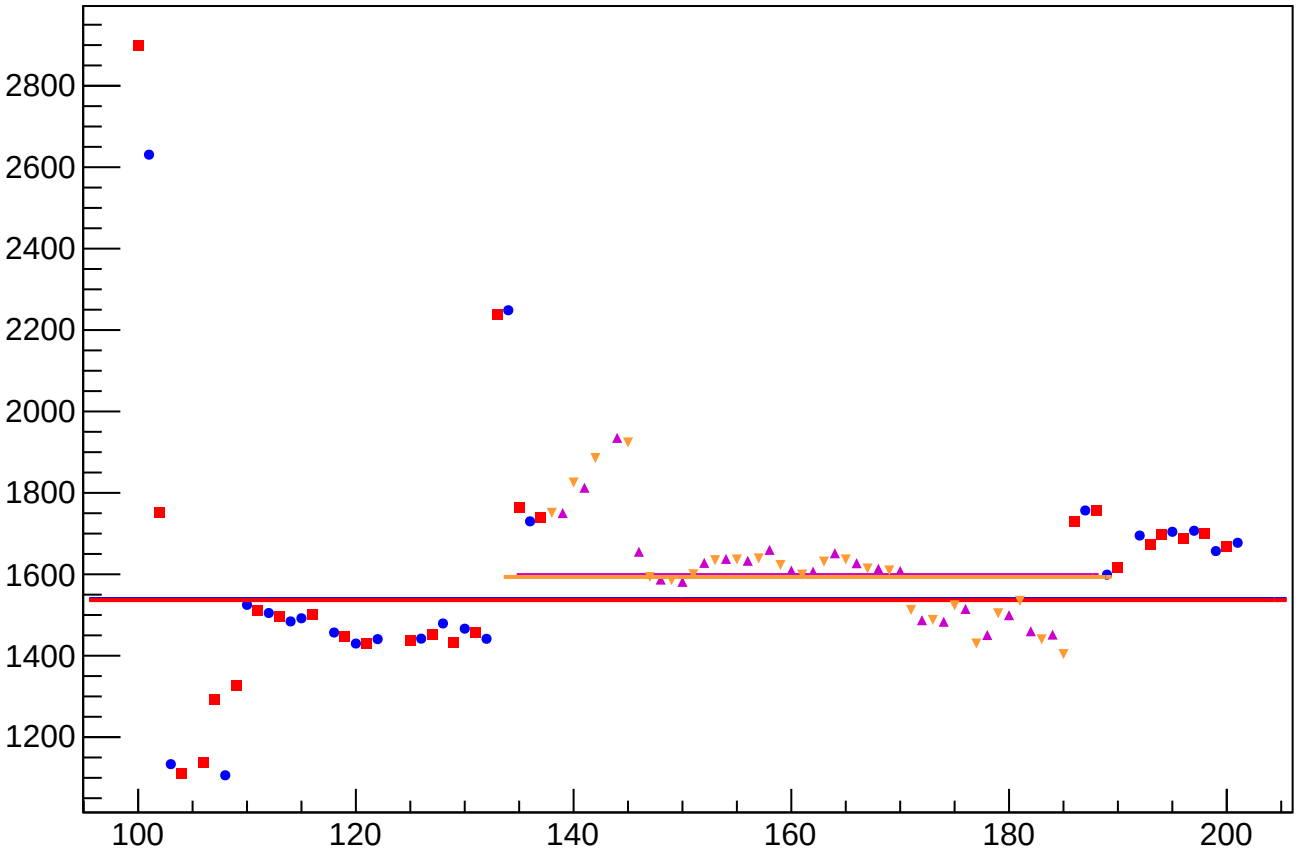
Right Out: -37.728+/-430.435 χ^2/NDF: 21.0/25

Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 322.332+/-284.791 χ^2/NDF: 70.7/46

All: 382.532+/-200.508 χ^2/NDF: 106.4/95

- sign 441.703+/-282.345 χ^2/NDF: 35.6/48



Right In: 1539.139+/-0.314 χ^2/NDF: 692311.3/22

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

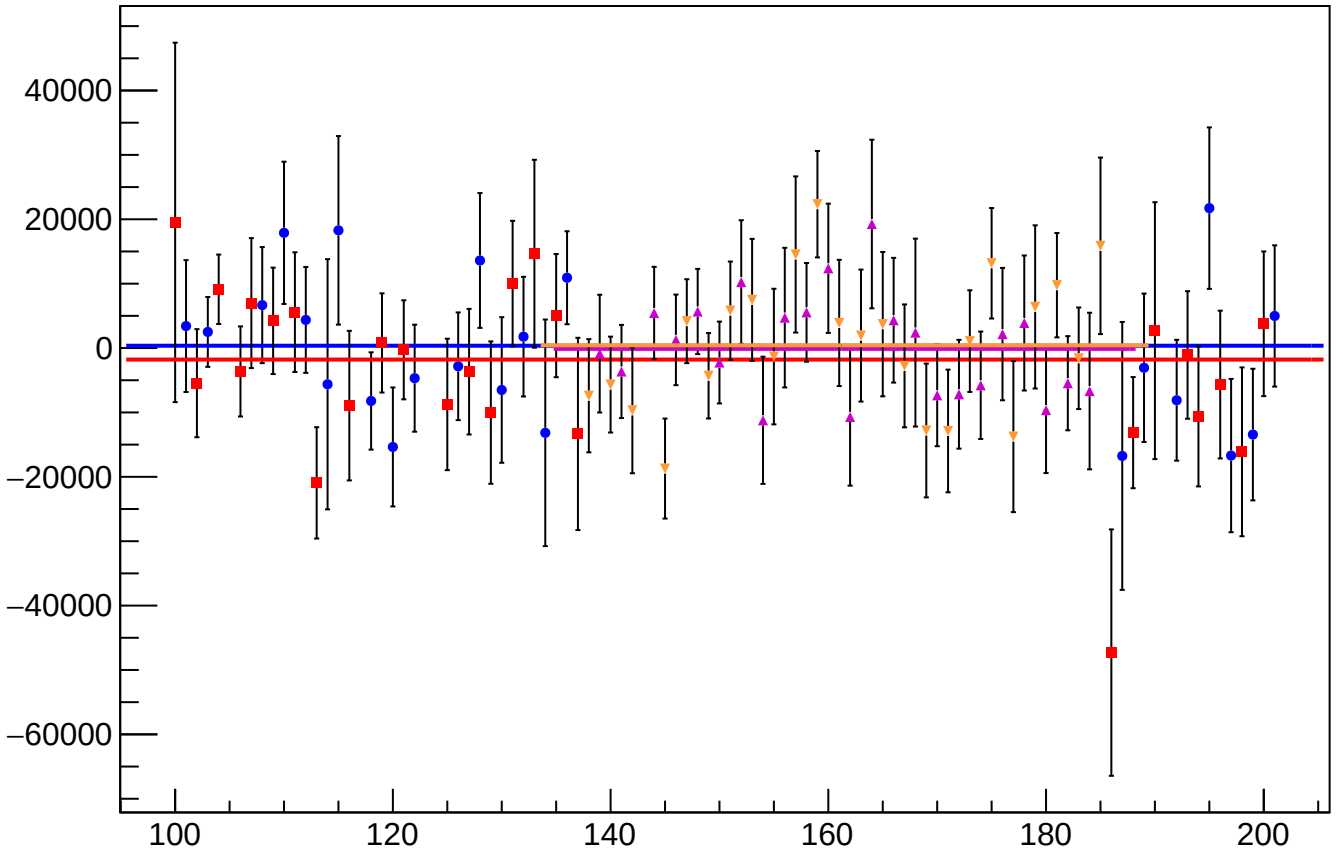
Right Out: 1536.556+/-0.304 χ^2/NDF: 546228.8/25

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1571.188+/-0.201 χ^2/NDF: 897543.8/46

All: 1571.390+/-0.142 χ^2/NDF: 1636278.4/95

- sign 1571.587+/-0.200 χ^2/NDF: 738732.6/48



Right In: 360.715+/-2009.950 χ^2/NDF: 23.0/22

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

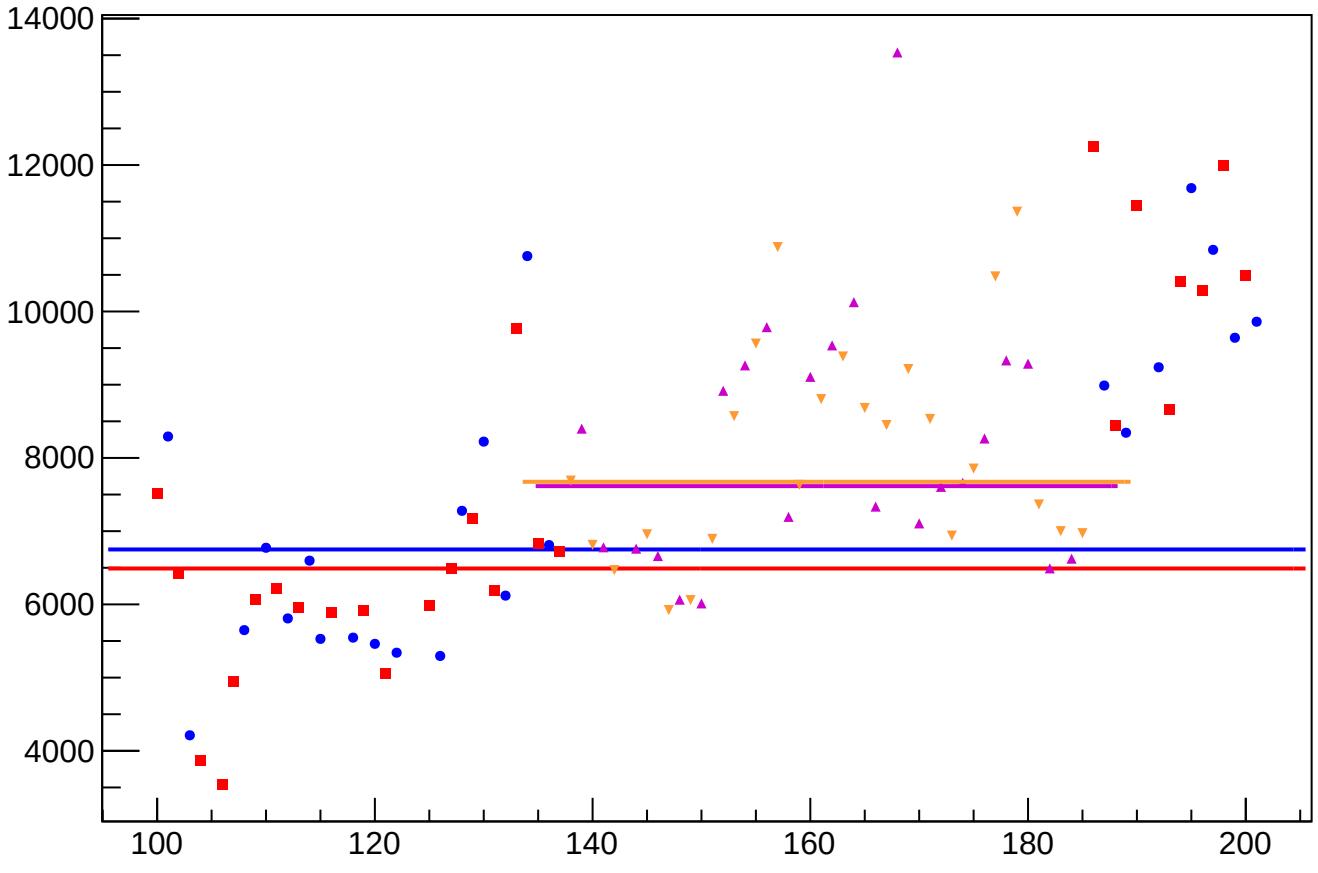
Right Out: -1786.635+/-1895.115 χ^2/NDF: 26.8/25

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 396.975+/-1349.054 χ^2/NDF: 52.4/46

All: -280.783+/-940.087 χ^2/NDF: 94.0/95

- sign -920.592+/-1310.742 χ^2/NDF: 41.1/48



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: 6490.001+/-1.340 χ^2/NDF: 2684367.8/25

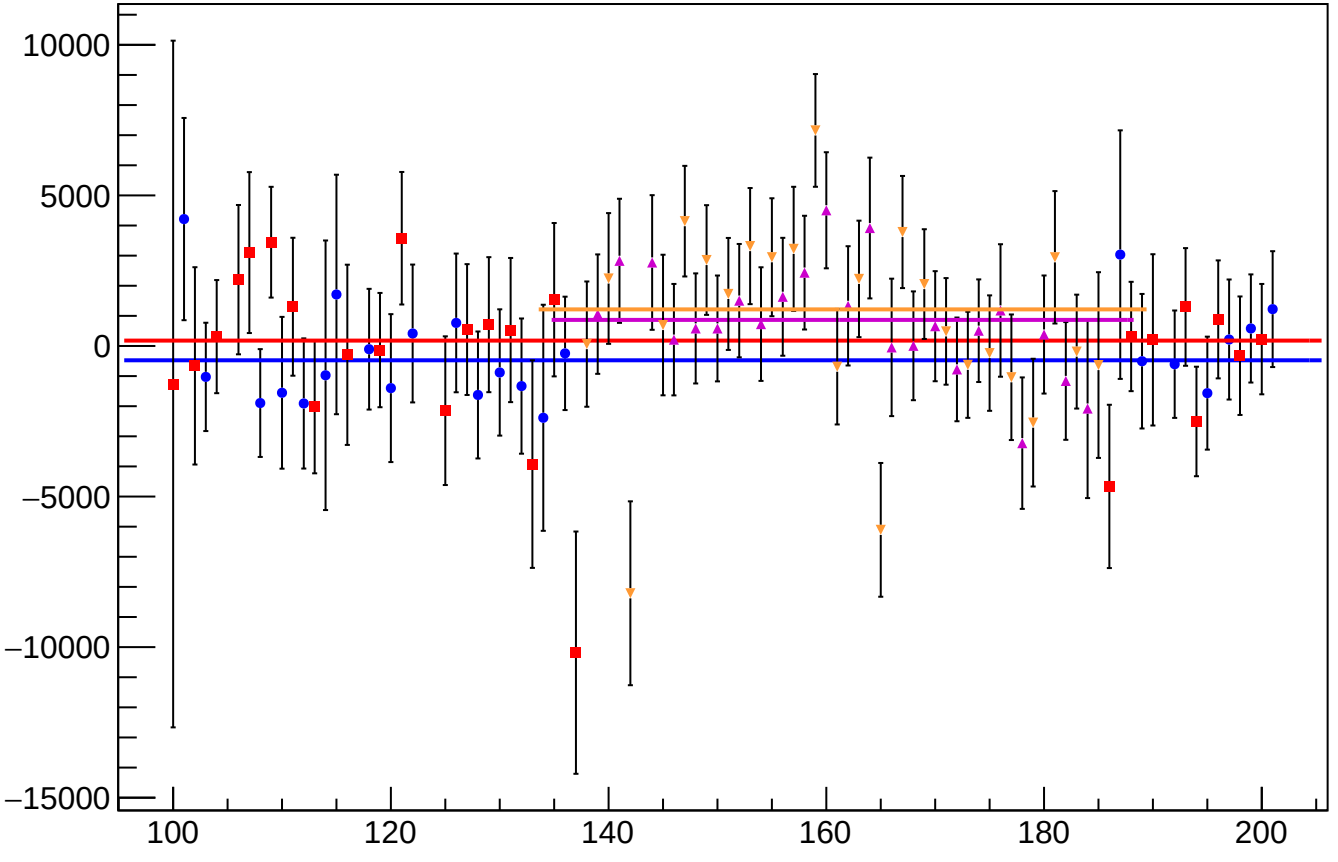
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7257.890+/-0.954 χ^2/NDF: 3290344.5/46

All: 7164.746+/-0.665 χ^2/NDF: 7585392.1/95

- sign 7076.817+/-0.927 χ^2/NDF: 4276512.9/48

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: 178.875+/-448.666 χ^2/NDF: 24.0/25

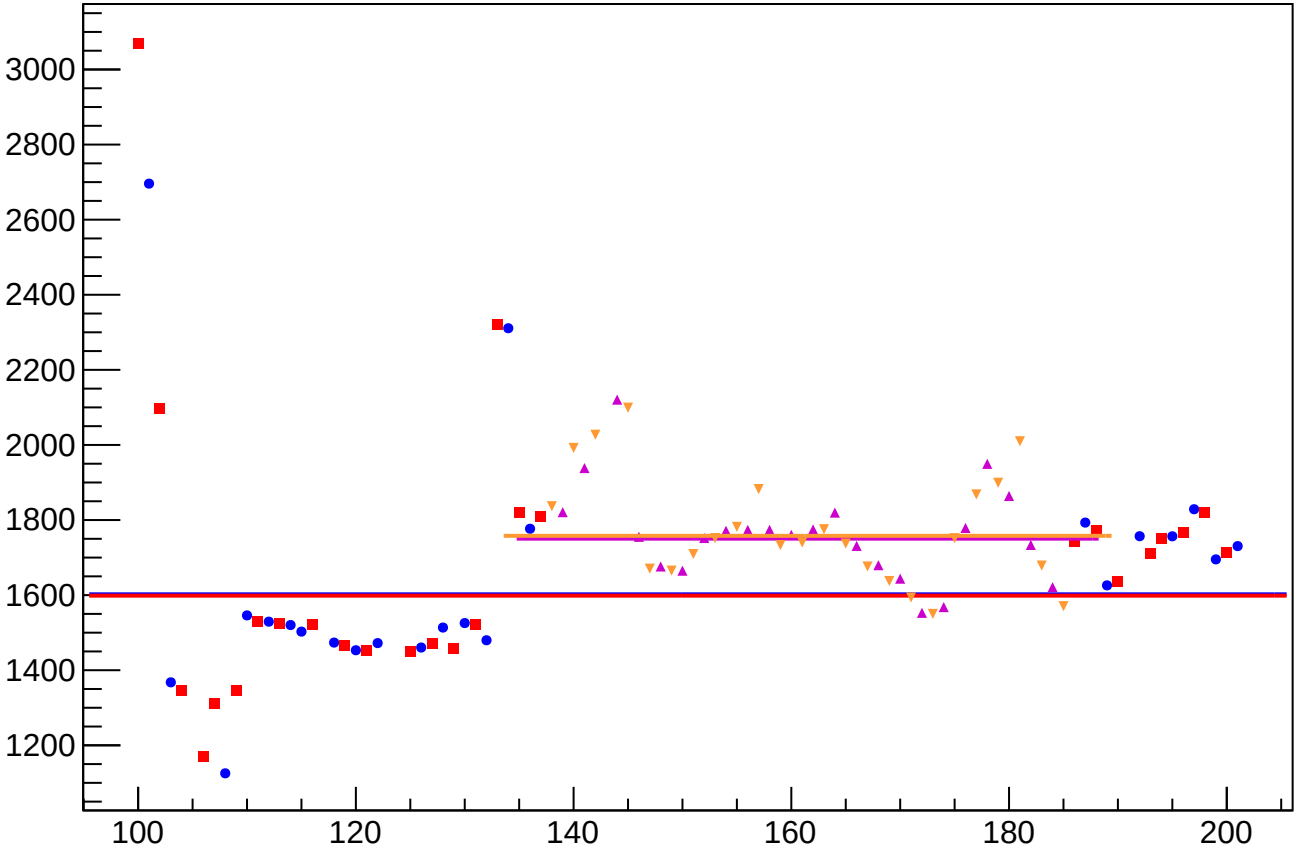
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 471.553+/-306.522 χ^2/NDF: 63.3/46

All: 512.940+/-215.372 χ^2/NDF: 103.7/95

- sign 553.297+/-302.678 χ^2/NDF: 40.4/48

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

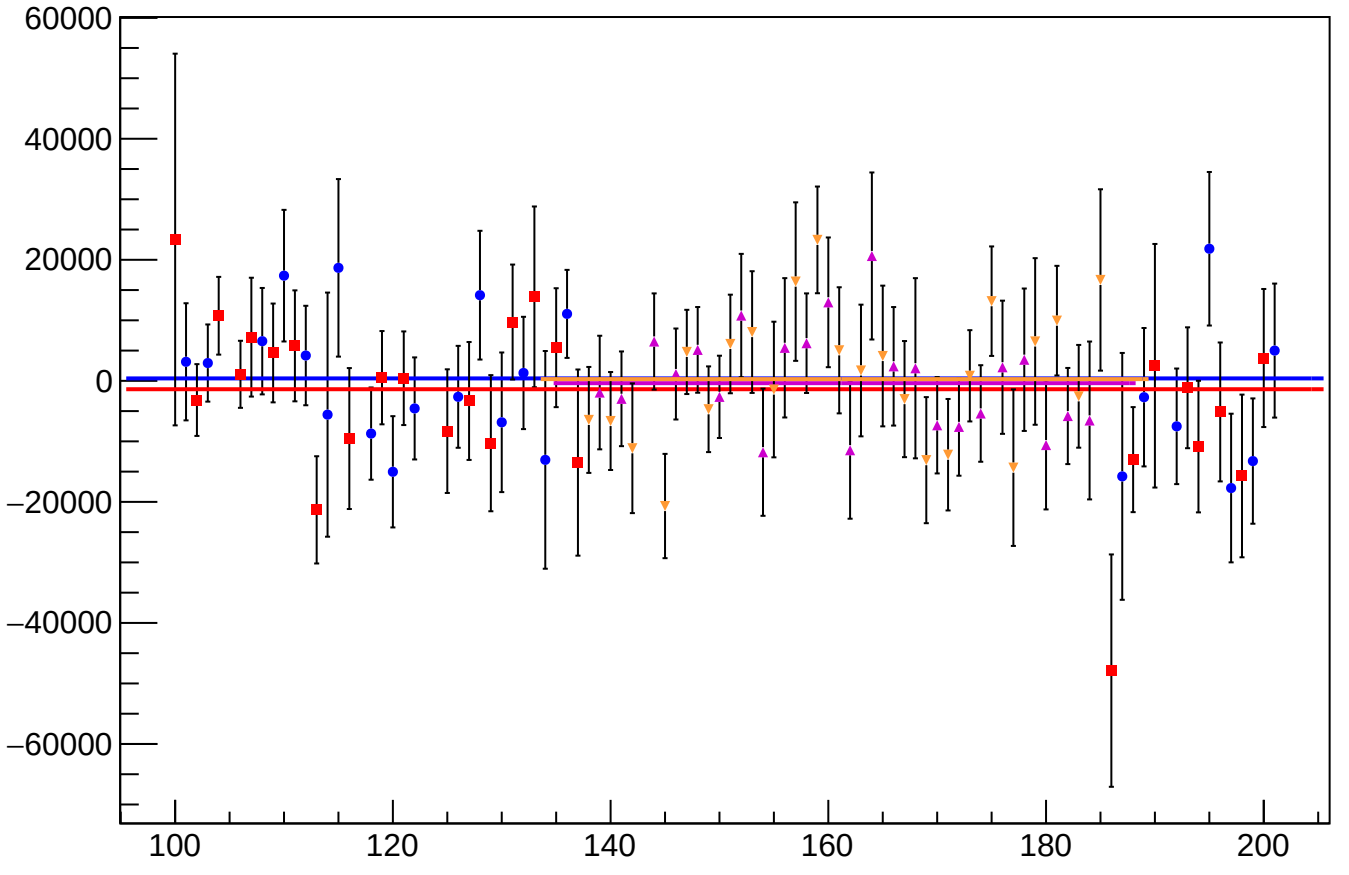
Right Out: 1598.604+/-0.317 χ^2/NDF: 486383.9/25

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1689.411+/-0.217 χ^2/NDF: 937411.3/46

All: 1685.327+/-0.152 χ^2/NDF: 1721279.4/95

- sign 1681.345+/-0.214 χ^2/NDF: 783166.9/48



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: -1385.227+/-1846.751 χ^2/NDF: 26.7/25

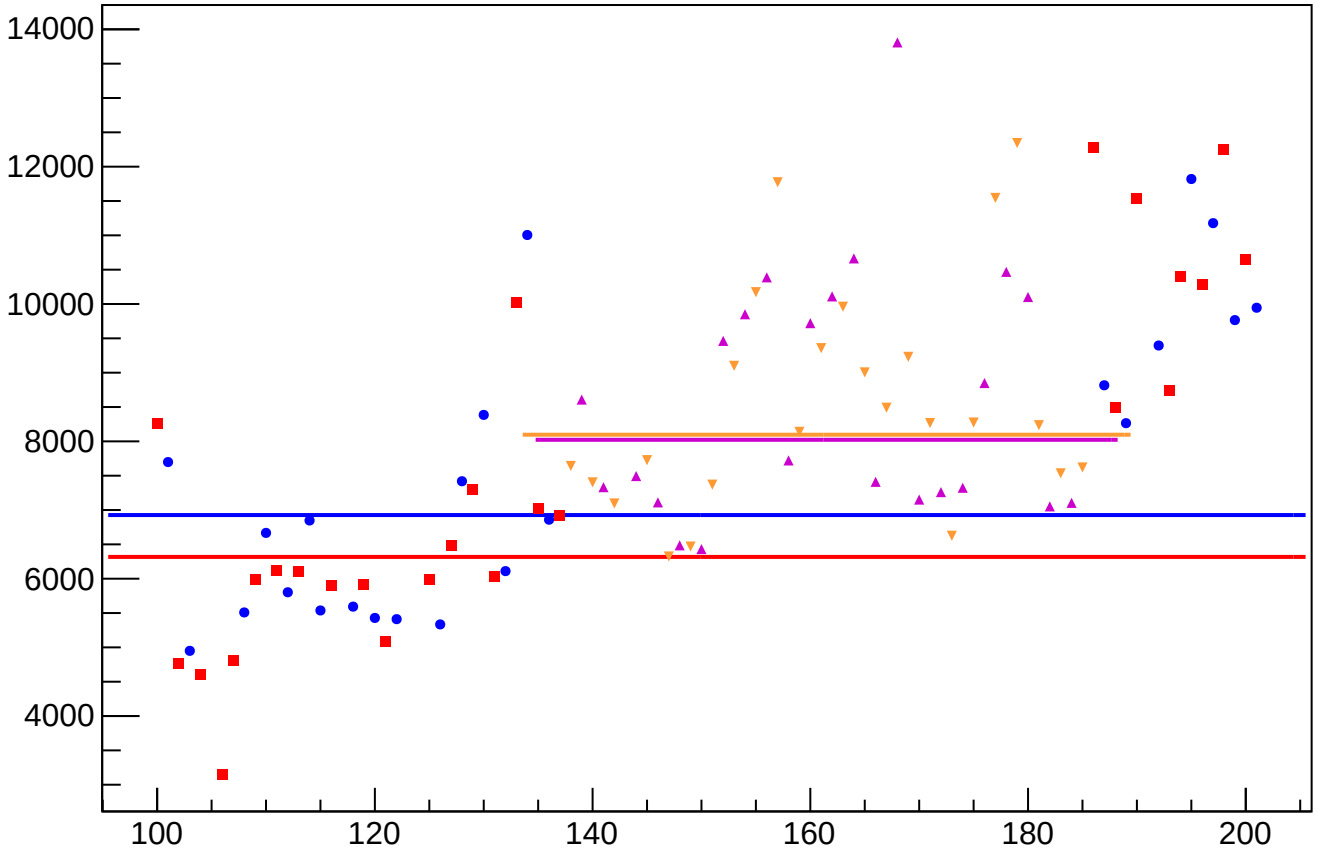
Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 339.322+/-1402.530 χ^2/NDF: 51.5/46

All: -314.694+/-964.481 χ^2/NDF: 92.3/95

- sign -901.443+/-1328.448 χ^2/NDF: 40.4/48

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

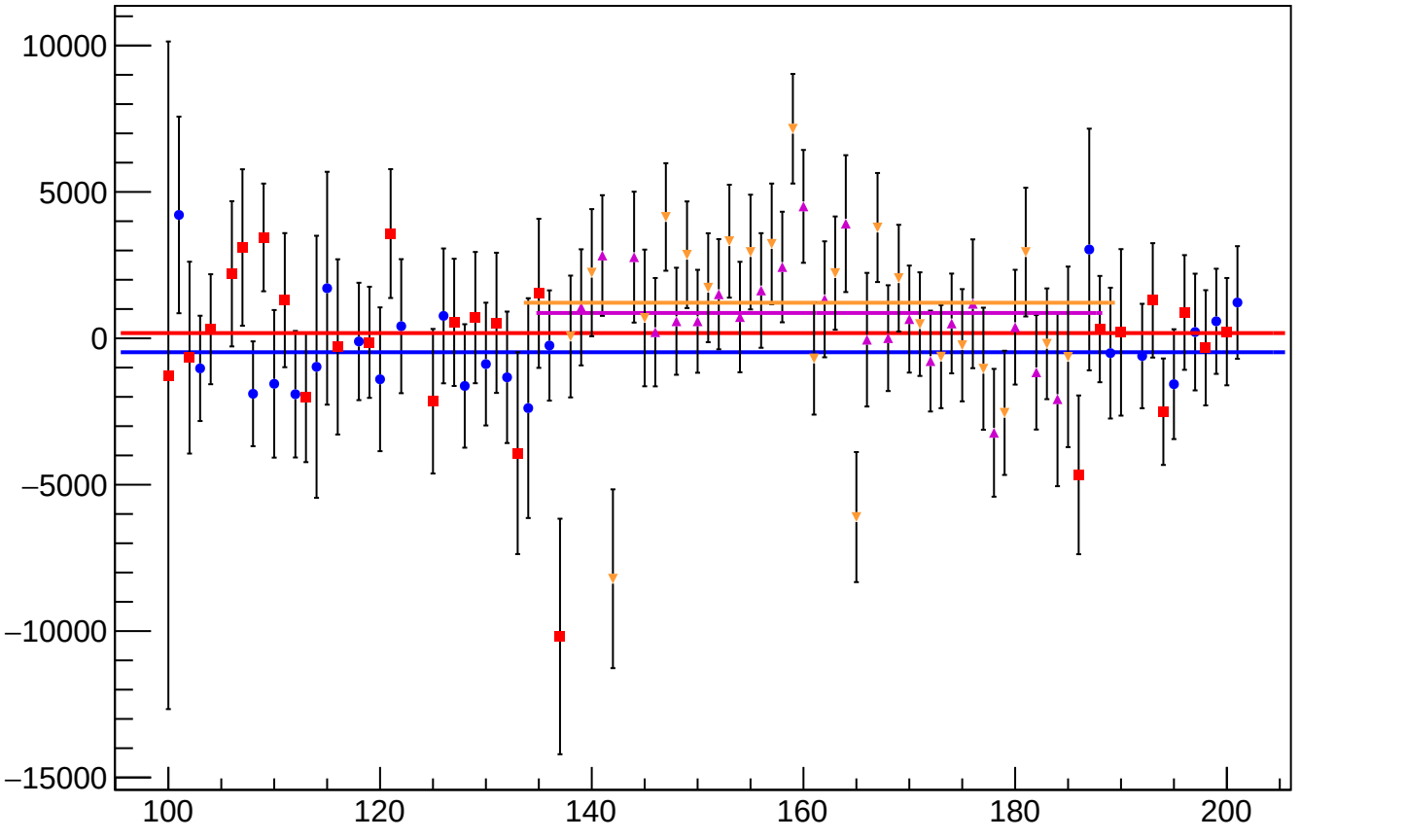
Right Out: 6317.243+/-1.306 χ^2/NDF: 2977730.7/25

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7551.048+/-0.992 χ^2/NDF: 3167672.1/46

All: 7334.496+/-0.682 χ^2/NDF: 8284494.6/95

- sign 7140.216+/-0.939 χ^2/NDF: 5026367.7/48



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: 178.882+/-448.666 χ^2/NDF: 24.0/25

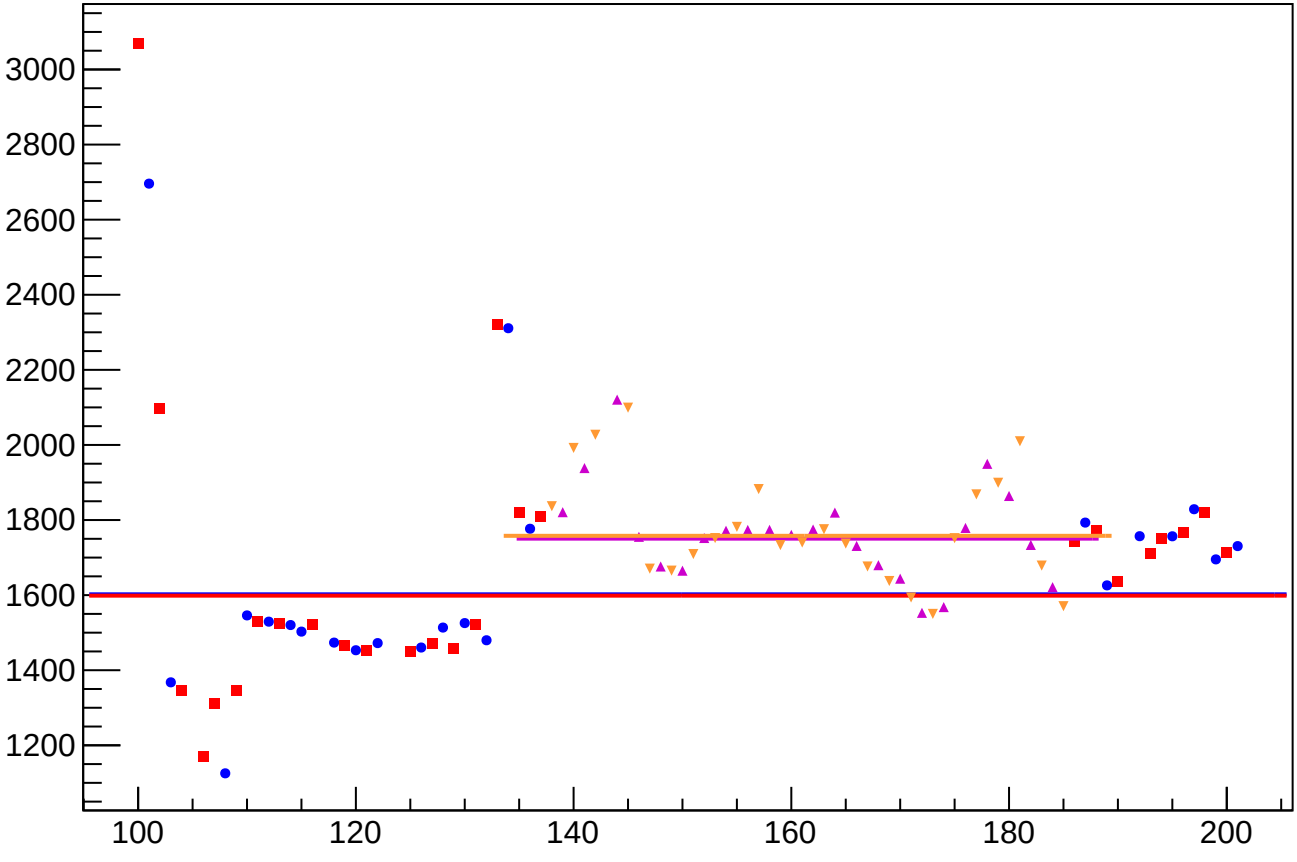
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 471.555+/-306.522 χ^2/NDF: 63.3/46

All: 512.942+/-215.372 χ^2/NDF: 103.7/95

- sign 553.298+/-302.678 χ^2/NDF: 40.4/48

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

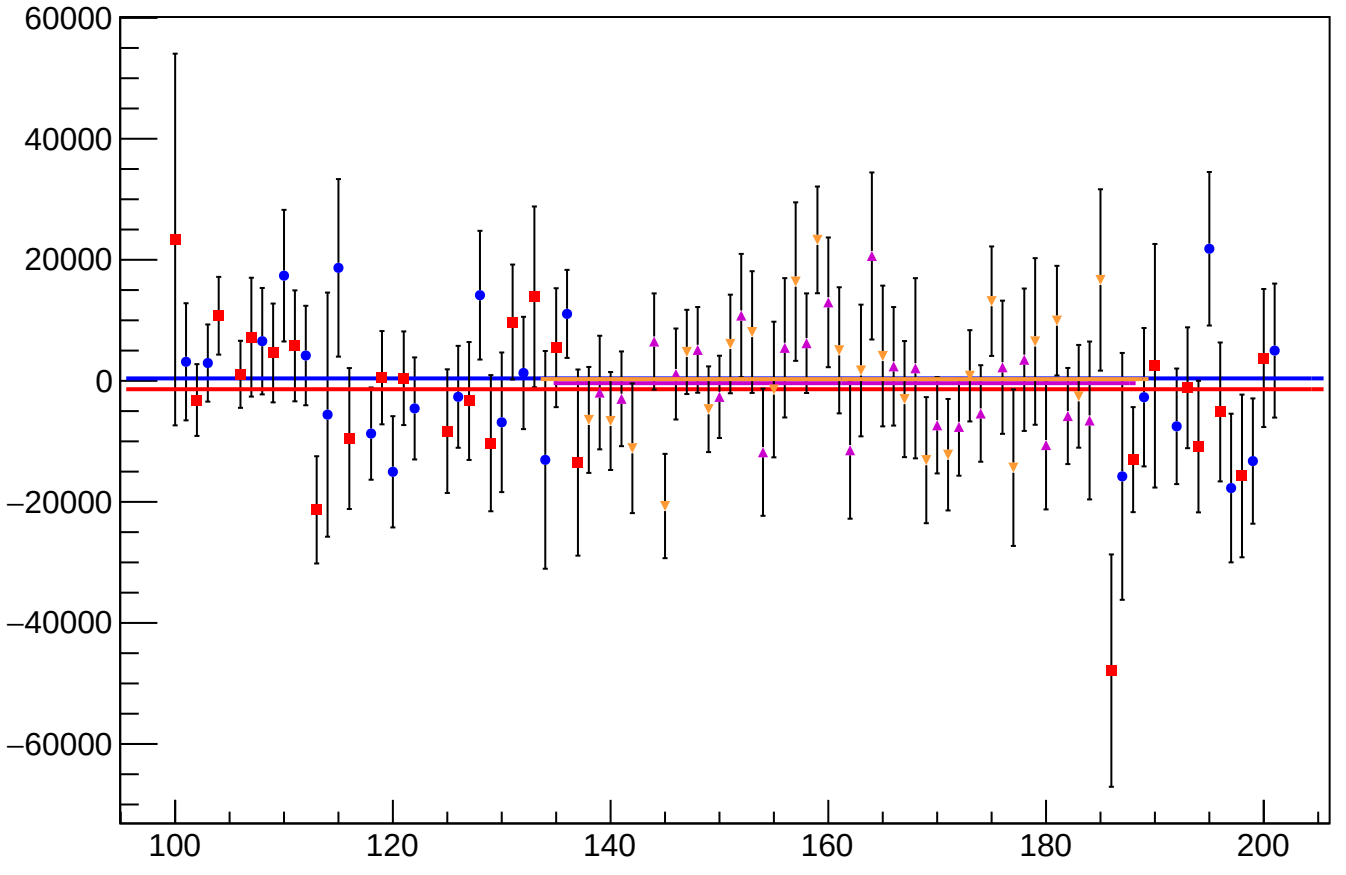
Right Out: 1598.604+/-0.317 χ^2/NDF: 486385.0/25

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1689.413+/-0.217 χ^2/NDF: 937423.8/46

All: 1685.329+/-0.152 χ^2/NDF: 1721305.0/95

- sign 1681.347+/-0.214 χ^2/NDF: 783180.0/48



Right In: 401.529+/-2053.530 χ^2/NDF: 22.9/22

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

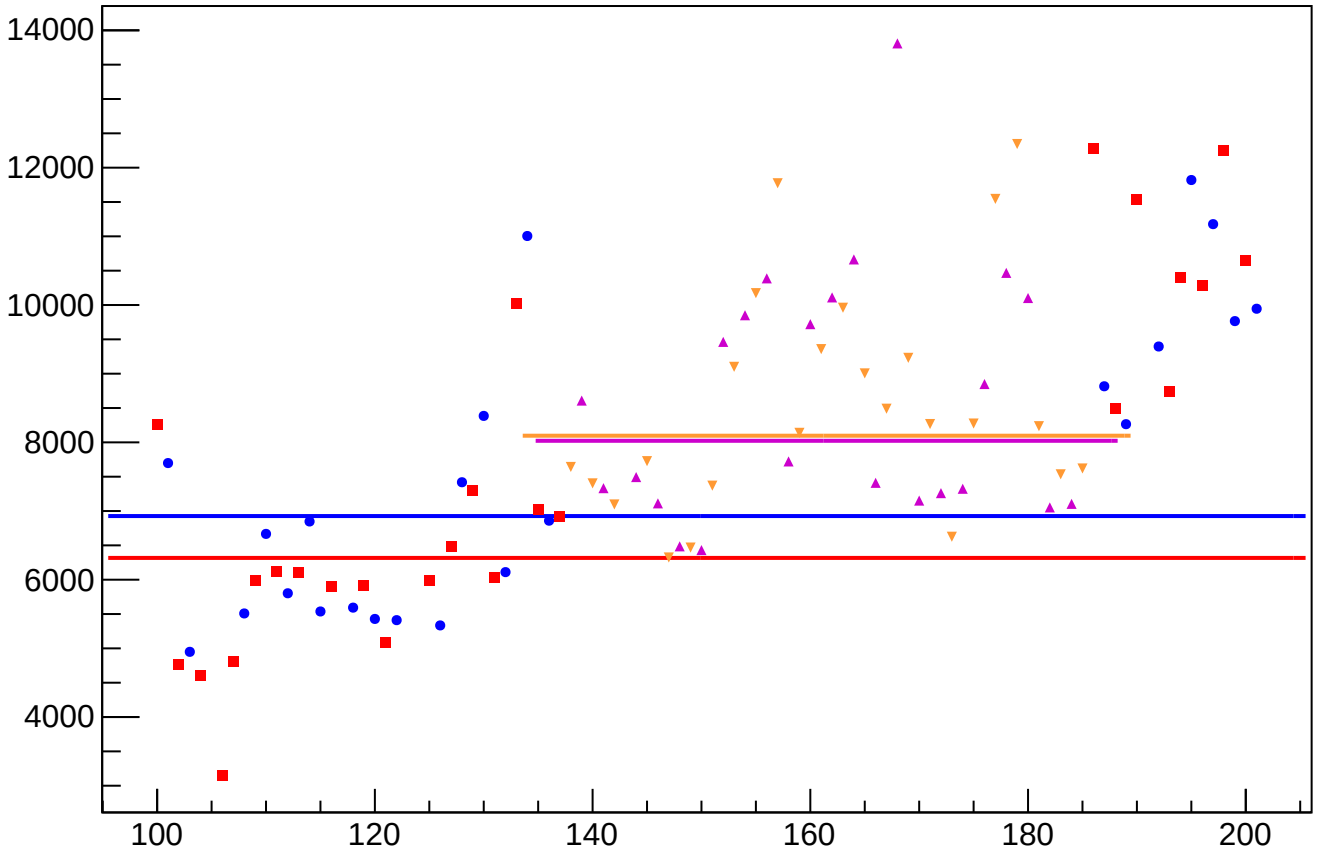
Right Out: -1385.216+/-1846.748 χ^2/NDF: 26.7/25

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 339.318+/-1402.531 χ^2/NDF: 51.5/46

All: -314.694+/-964.481 χ^2/NDF: 92.3/95

- sign -901.440+/-1328.448 χ^2/NDF: 40.4/48



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: 6317.232+/-1.306 χ^2/NDF: 2977746.6/25

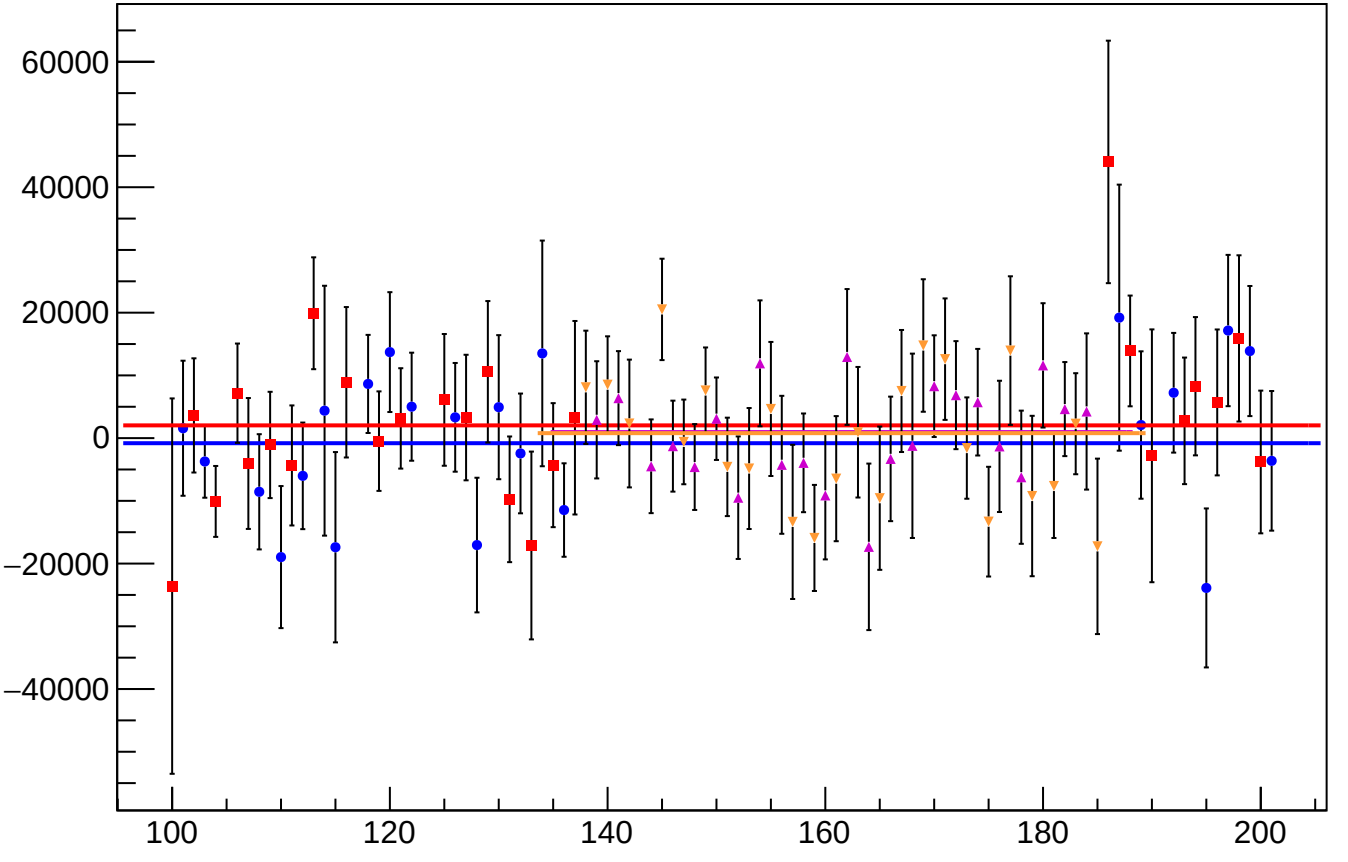
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7551.047+/-0.992 χ^2/NDF: 3167707.3/46

All: 7334.494+/-0.682 χ^2/NDF: 8284572.8/95

- sign 7140.213+/-0.939 χ^2/NDF: 5026409.8/48

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: 2032.307+/-1968.248 χ^2/NDF: 23.7/25

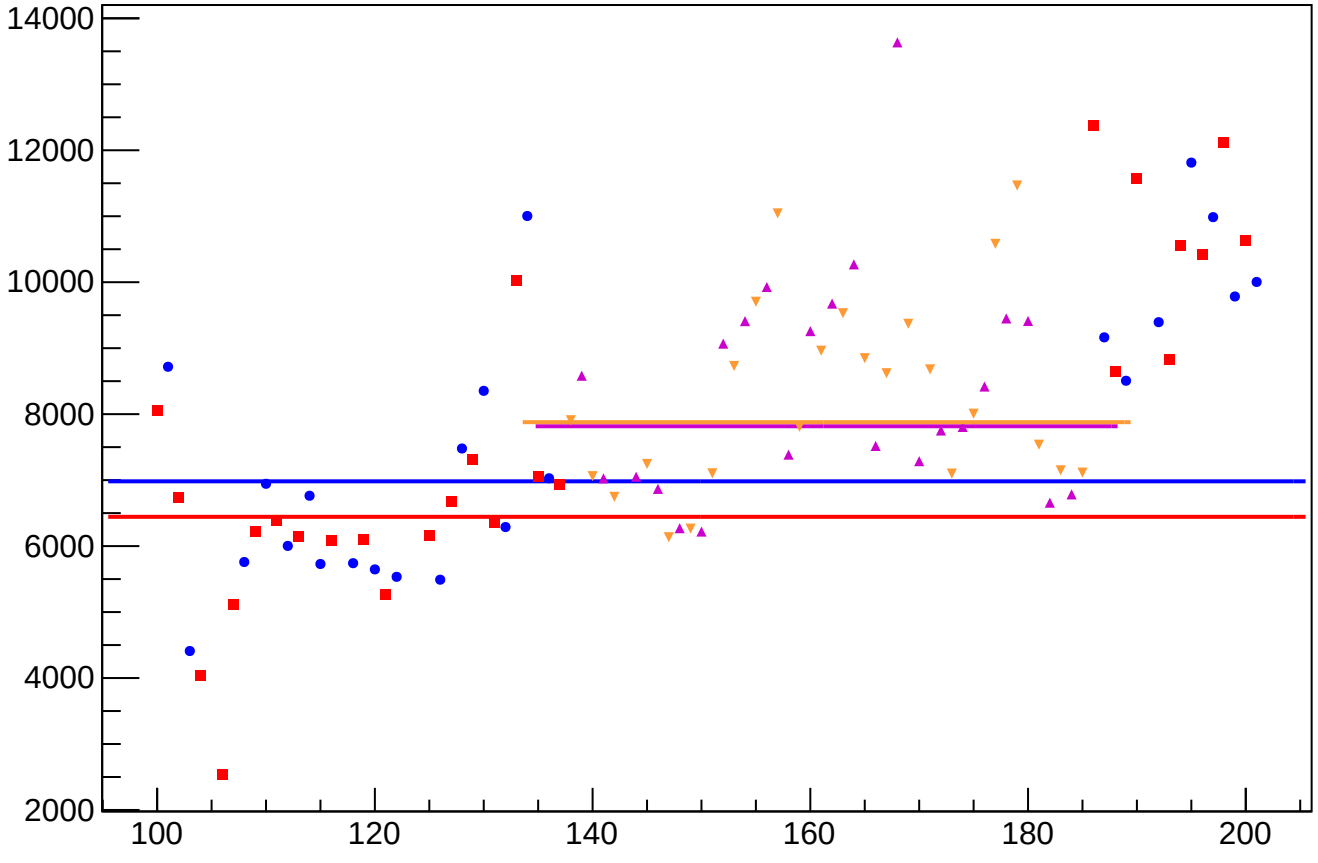
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

\+ sign 75.591+/-1386.984 χ^2/NDF: 51.7/46

All: 789.625+/-968.081 χ^2/NDF: 88.9/95

\- sign 1467.932+/-1351.839 χ^2/NDF: 36.7/48

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

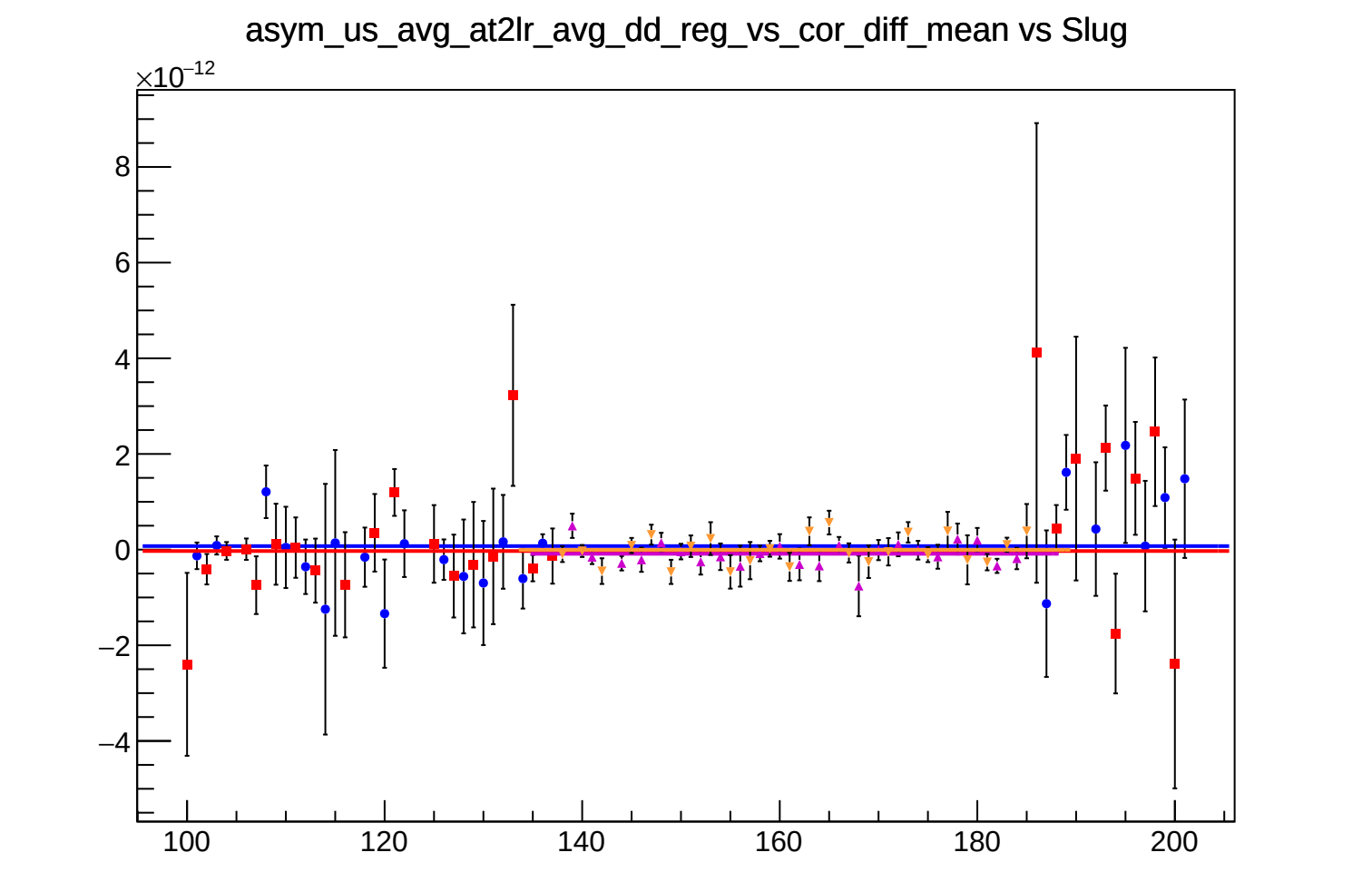
Right Out: 6443.862+/-1.352 χ^2/NDF: 3251410.8/25

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7477.674+/-0.981 χ^2/NDF: 3057298.5/46

All: 7307.001+/-0.680 χ^2/NDF: 8028791.9/95

- sign 7149.271+/-0.943 χ^2/NDF: 4913221.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

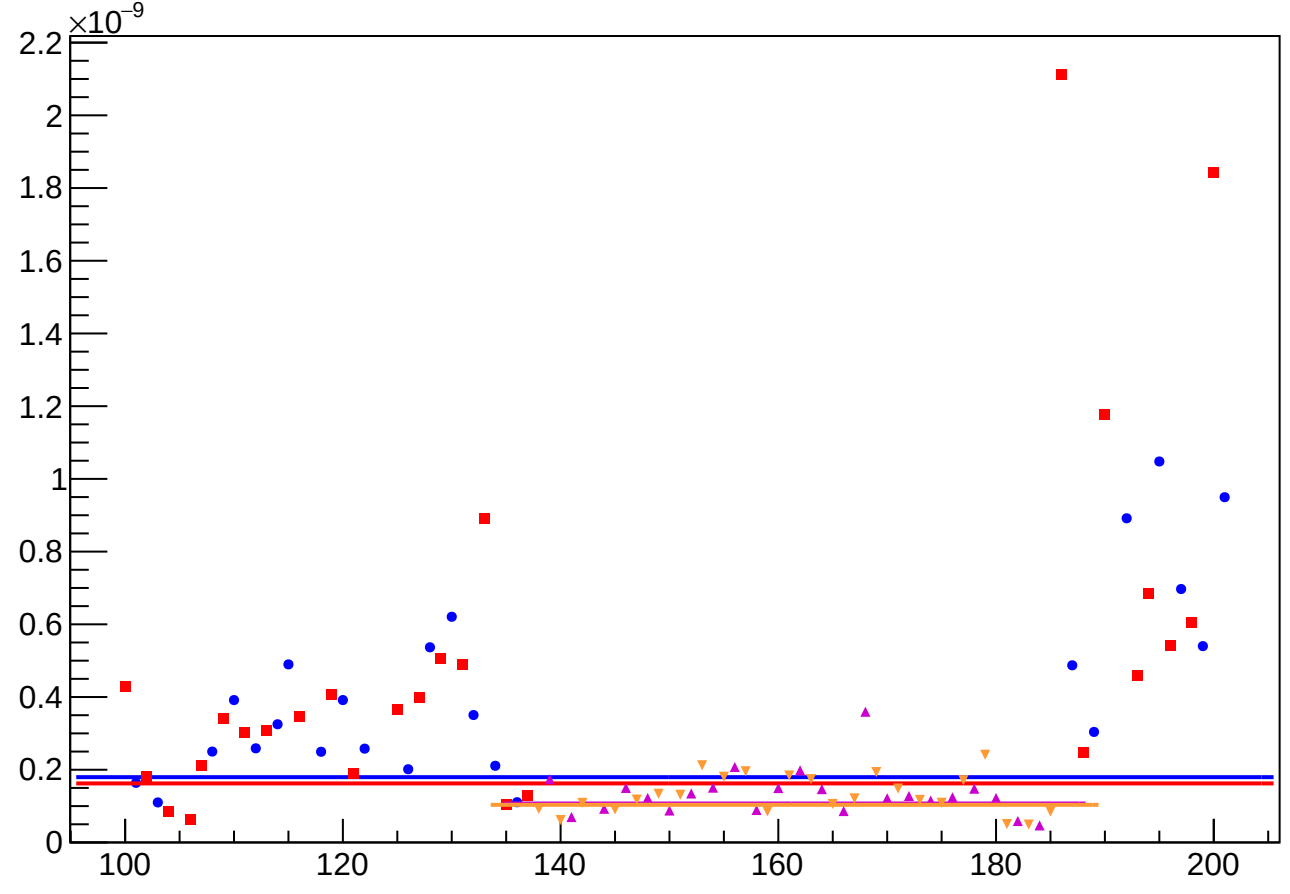
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/25

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: 99.8/95

- sign -0.000+/-0.000 χ^2/NDF: 51.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 3368123.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

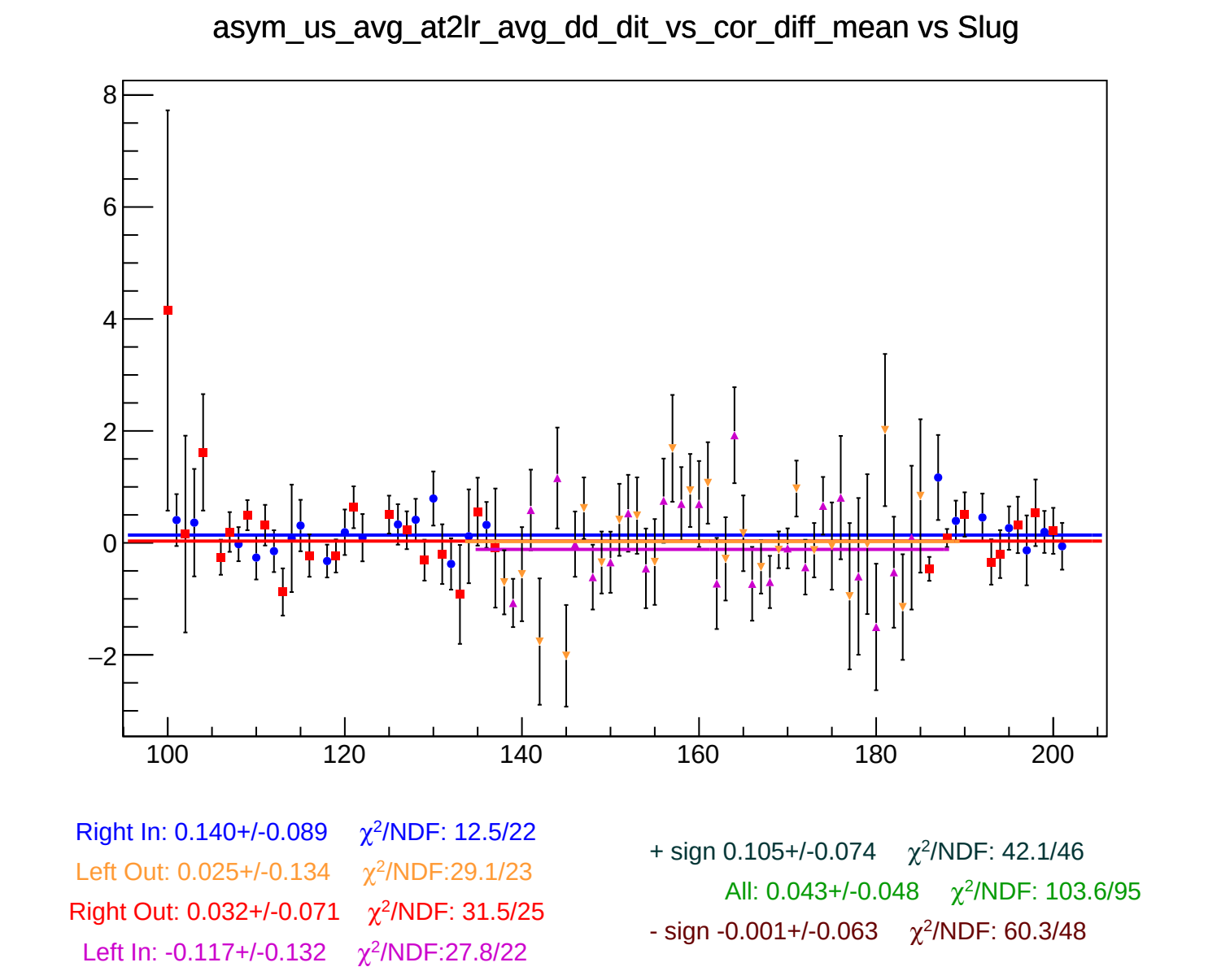
Right Out: 0.000+/-0.000 χ^2/NDF: 4729041.1/25

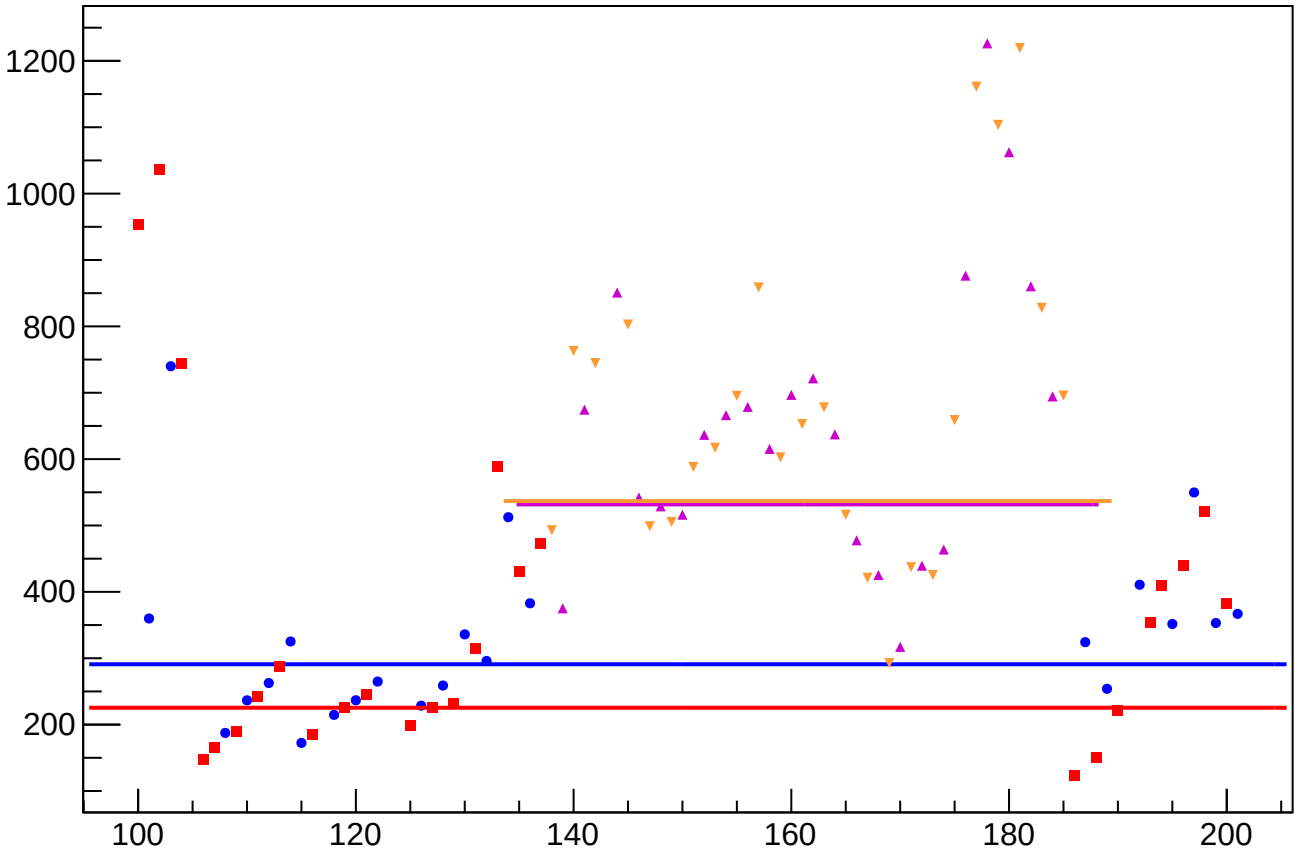
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6223370.0/46

All: 0.000+/-0.000 χ^2/NDF: 13065549.4/95

- sign 0.000+/-0.000 χ^2/NDF: 6841498.5/48


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.140+/-0.089 χ²/NDF: 12.5/22
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.032+/-0.071 χ²/NDF: 31.5/25
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.105+/-0.074 χ²/NDF: 42.1/46
All: 0.043+/-0.048 χ²/NDF: 103.6/95
- sign -0.001+/-0.063 χ²/NDF: 60.3/48



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: 225.442+/-0.050 χ^2/NDF: 4656964.3/25

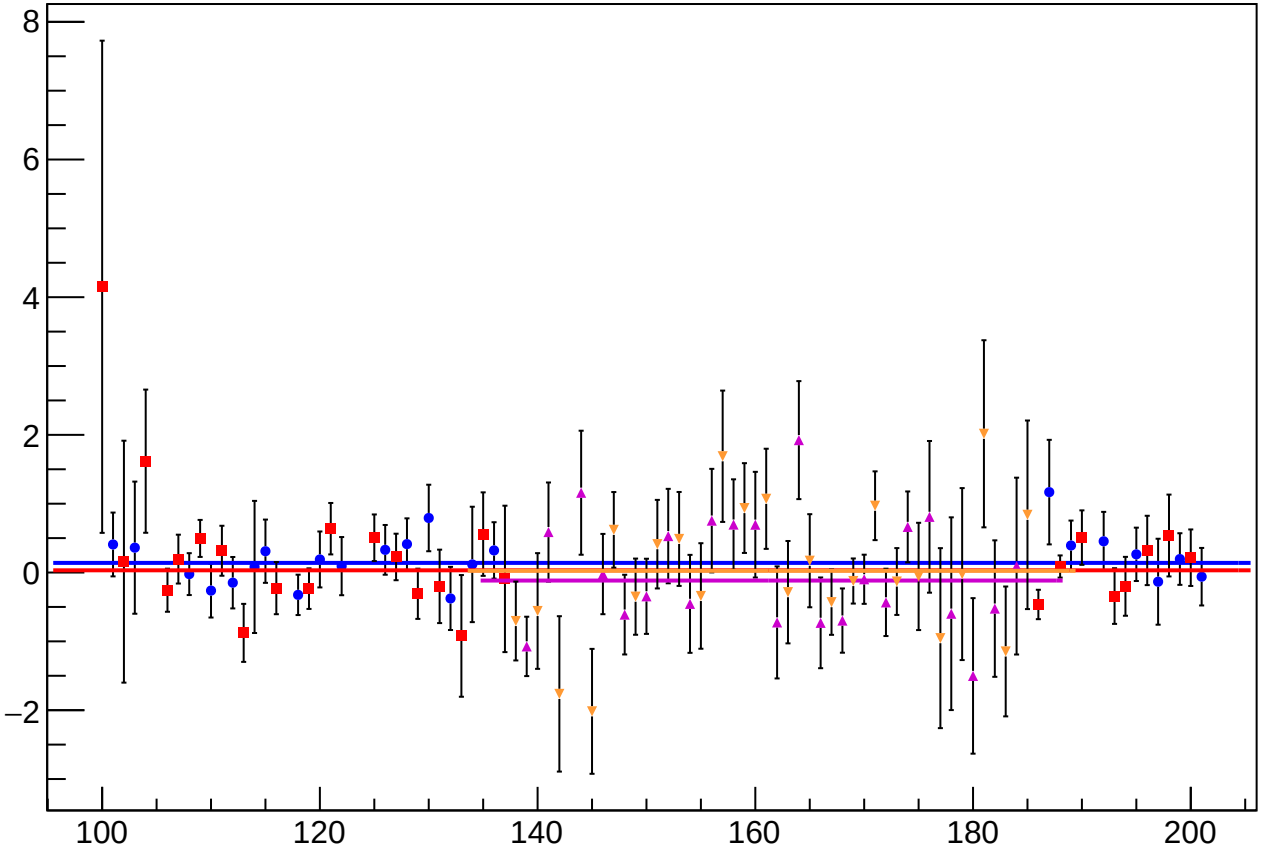
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 365.705+/-0.052 χ^2/NDF: 10756817.5/46

All: 324.234+/-0.034 χ^2/NDF: 28172477.9/95

- sign 294.279+/-0.044 χ^2/NDF: 16330418.0/48

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

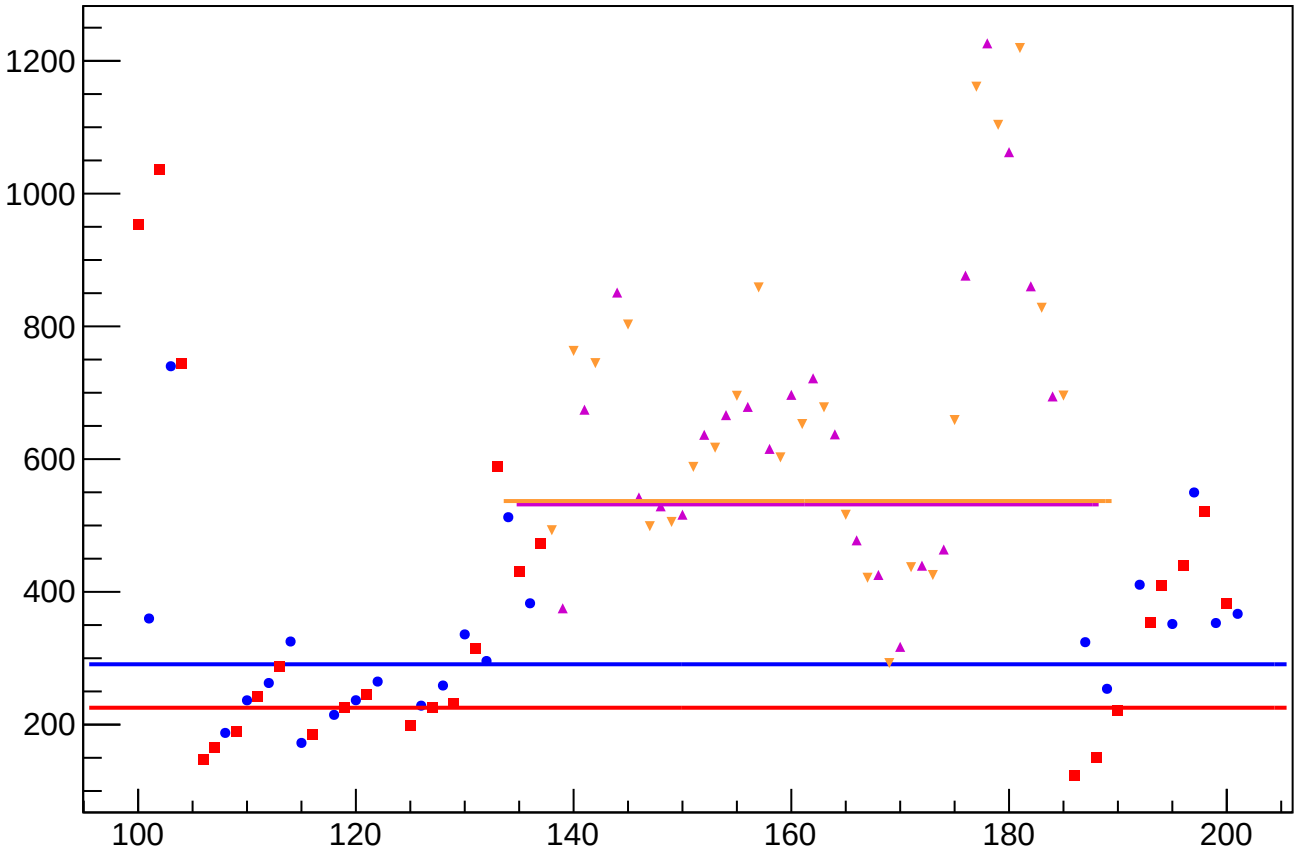
Right Out: 0.032+/-0.071 χ^2/NDF: 31.5/25

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.105+/-0.074 χ^2/NDF: 42.1/46

All: 0.043+/-0.048 χ^2/NDF: 103.6/95

- sign -0.001+/-0.063 χ^2/NDF: 60.3/48



Right In: 290.912+/-0.063 χ^2/NDF: 2104610.8/22

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

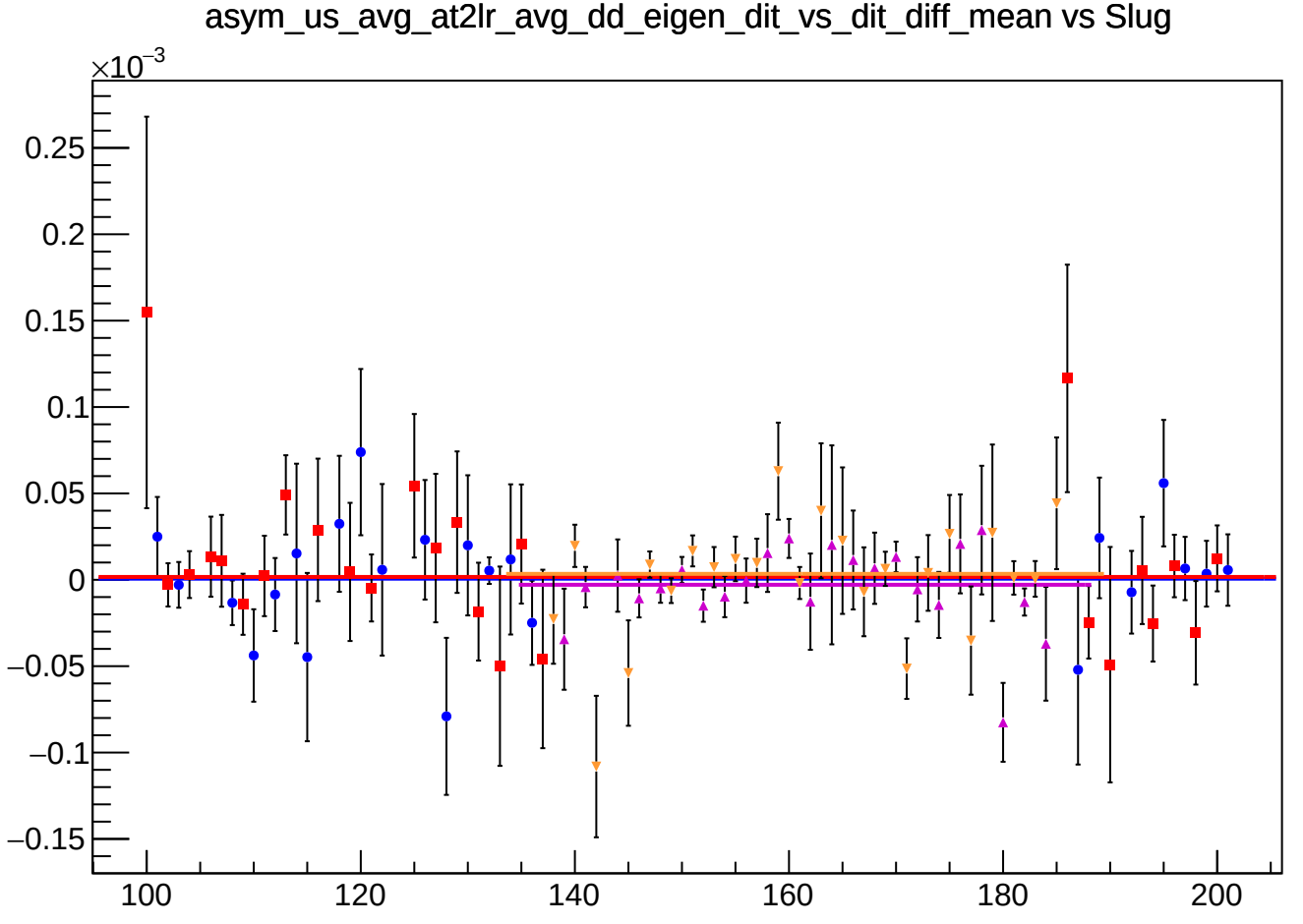
Right Out: 225.442+/-0.050 χ^2/NDF: 4656964.3/25

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 365.705+/-0.052 χ^2/NDF: 10756817.5/46

All: 324.234+/-0.034 χ^2/NDF: 28172477.9/95

- sign 294.279+/-0.044 χ^2/NDF: 16330418.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

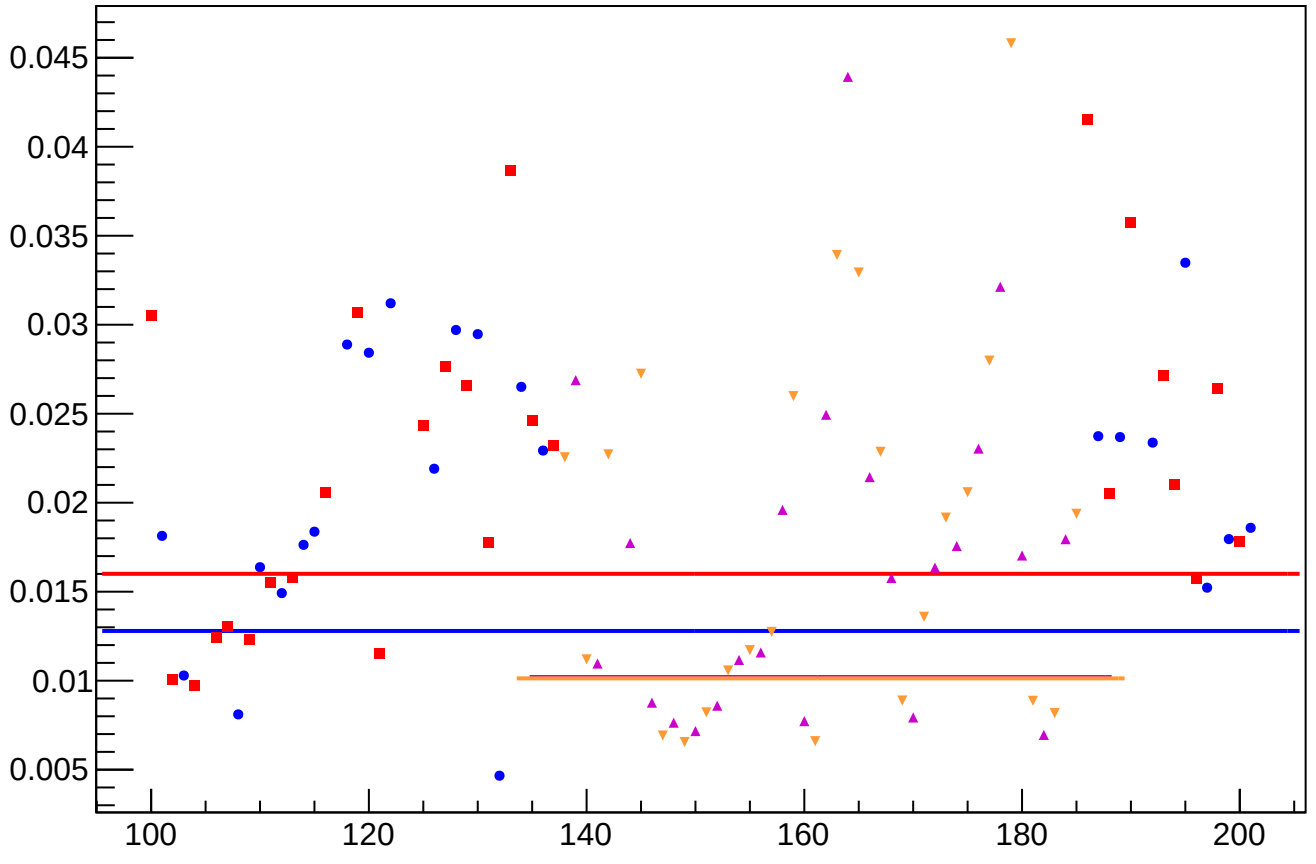
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/25

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: 113.4/95

- sign -0.000+/-0.000 χ^2/NDF: 53.9/48



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: 3493721.9/25

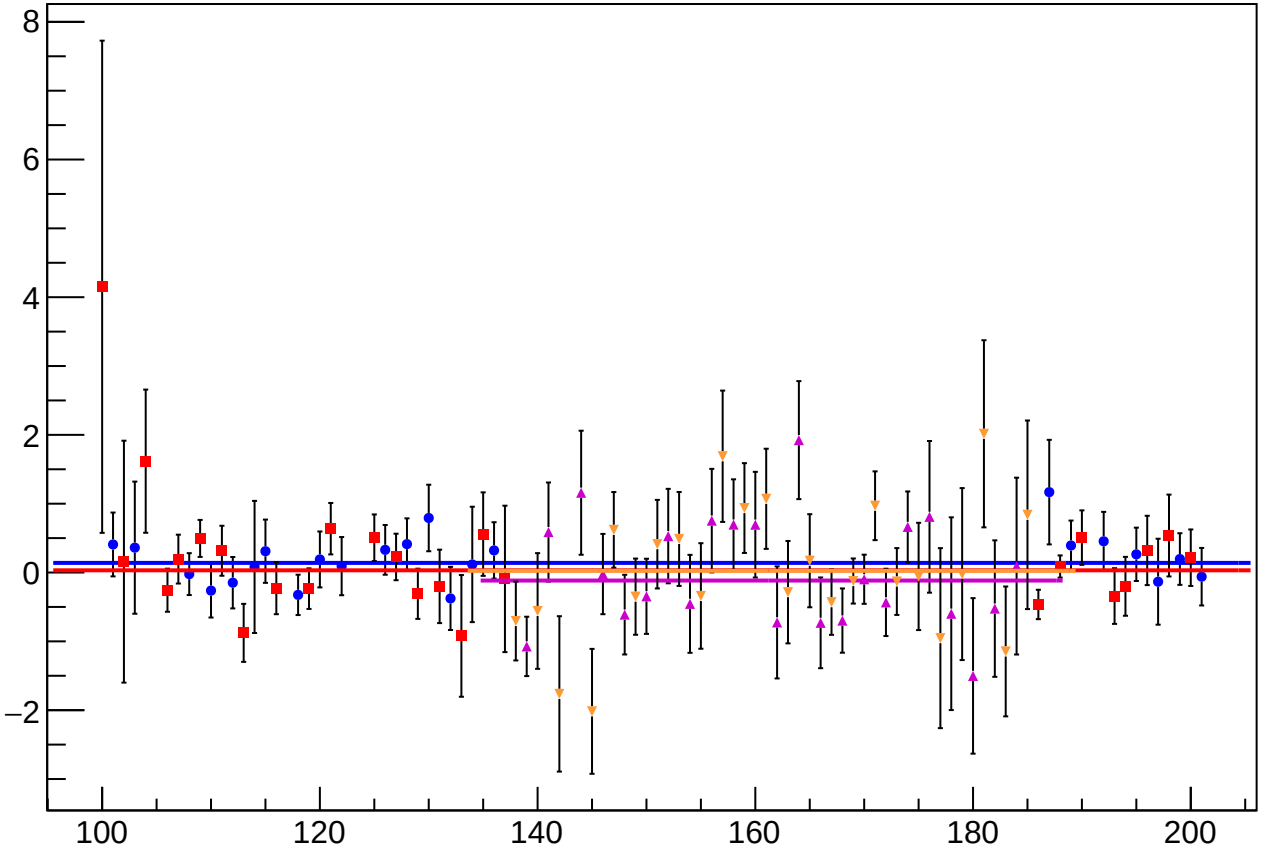
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 14896080.1/46

All: 0.011+/-0.000 χ^2/NDF: 26751013.5/95

- sign 0.012+/-0.000 χ^2/NDF: 11748481.6/48

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_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

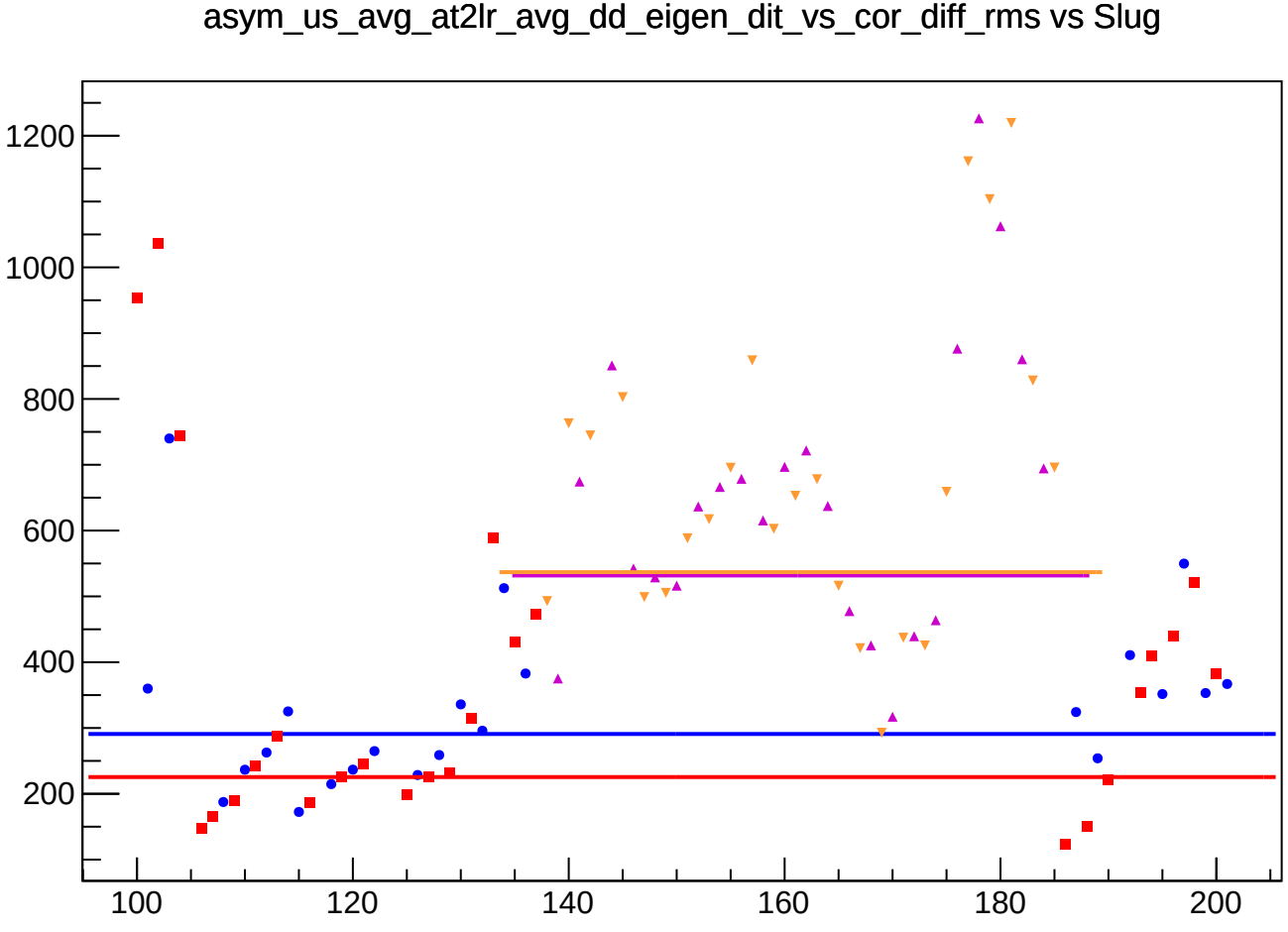
Right Out: 0.032+/-0.071 χ^2/NDF: 31.5/25

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.105+/-0.074 χ^2/NDF: 42.1/46

All: 0.043+/-0.048 χ^2/NDF: 103.6/95

- sign -0.001+/-0.063 χ^2/NDF: 60.3/48


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
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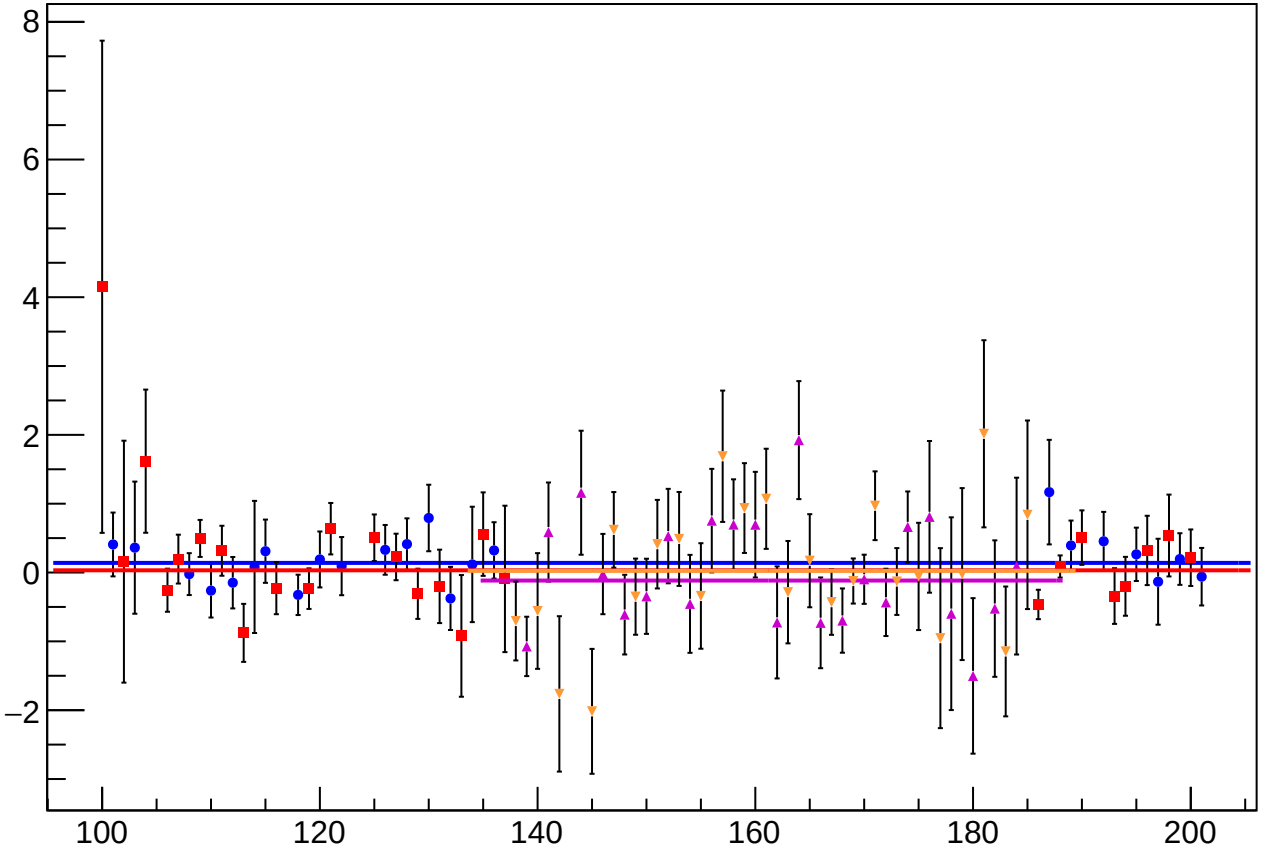
200
100
120
140
160
180
200
Right In: 290.910+/-0.063 χ²/NDF: 2104602.9/22
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 225.440+/-0.050 χ²/NDF: 4657085.2/25
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 365.703+/-0.052 χ²/NDF: 10757075.2/46
All: 324.231+/-0.034 χ²/NDF: 28173223.7/95
- sign 294.276+/-0.044 χ²/NDF: 16330873.8/48

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

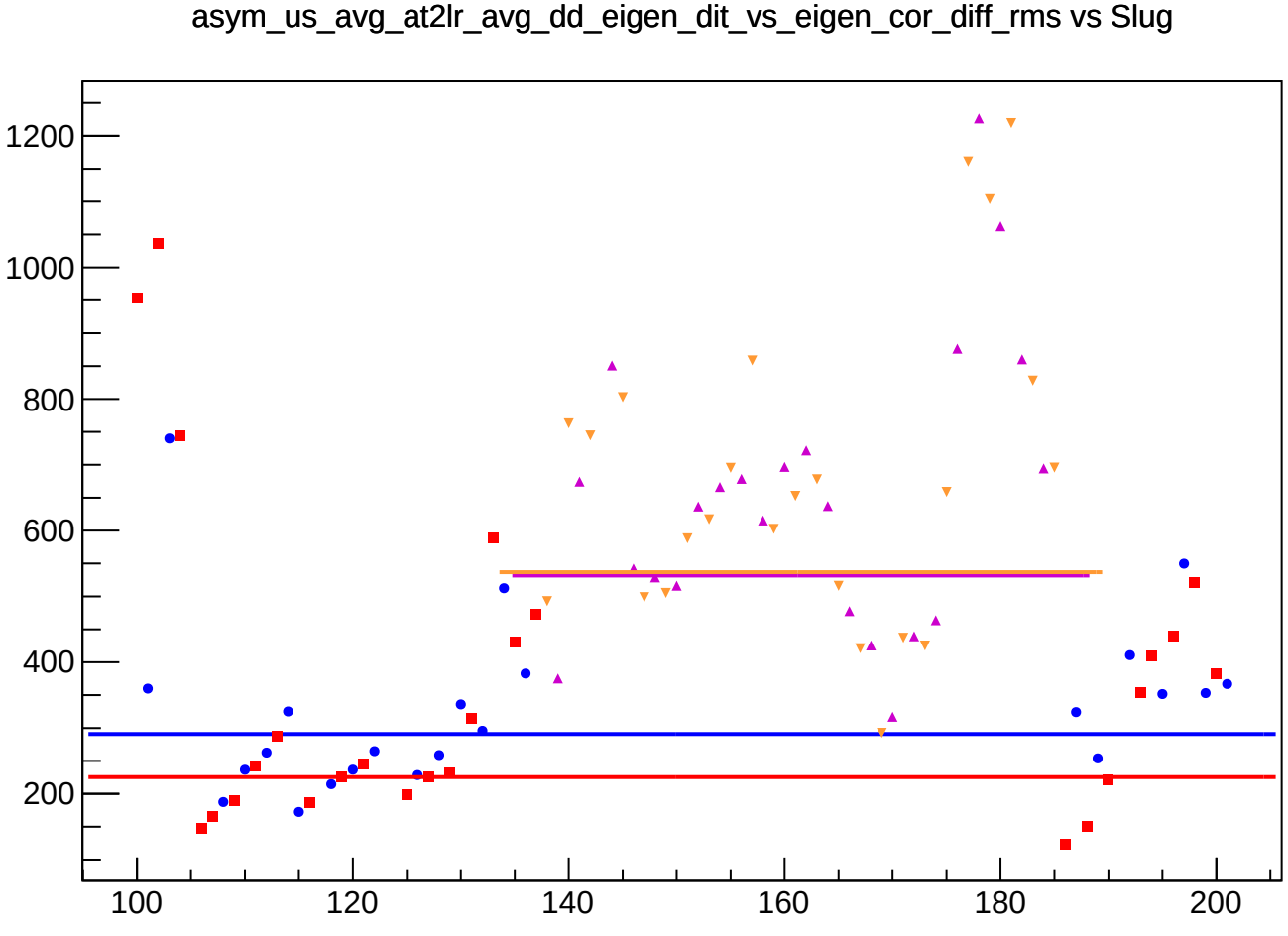
Right Out: 0.032+/-0.071 χ^2/NDF: 31.5/25

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.105+/-0.074 χ^2/NDF: 42.1/46

All: 0.043+/-0.048 χ^2/NDF: 103.6/95

- sign -0.001+/-0.063 χ^2/NDF: 60.3/48


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
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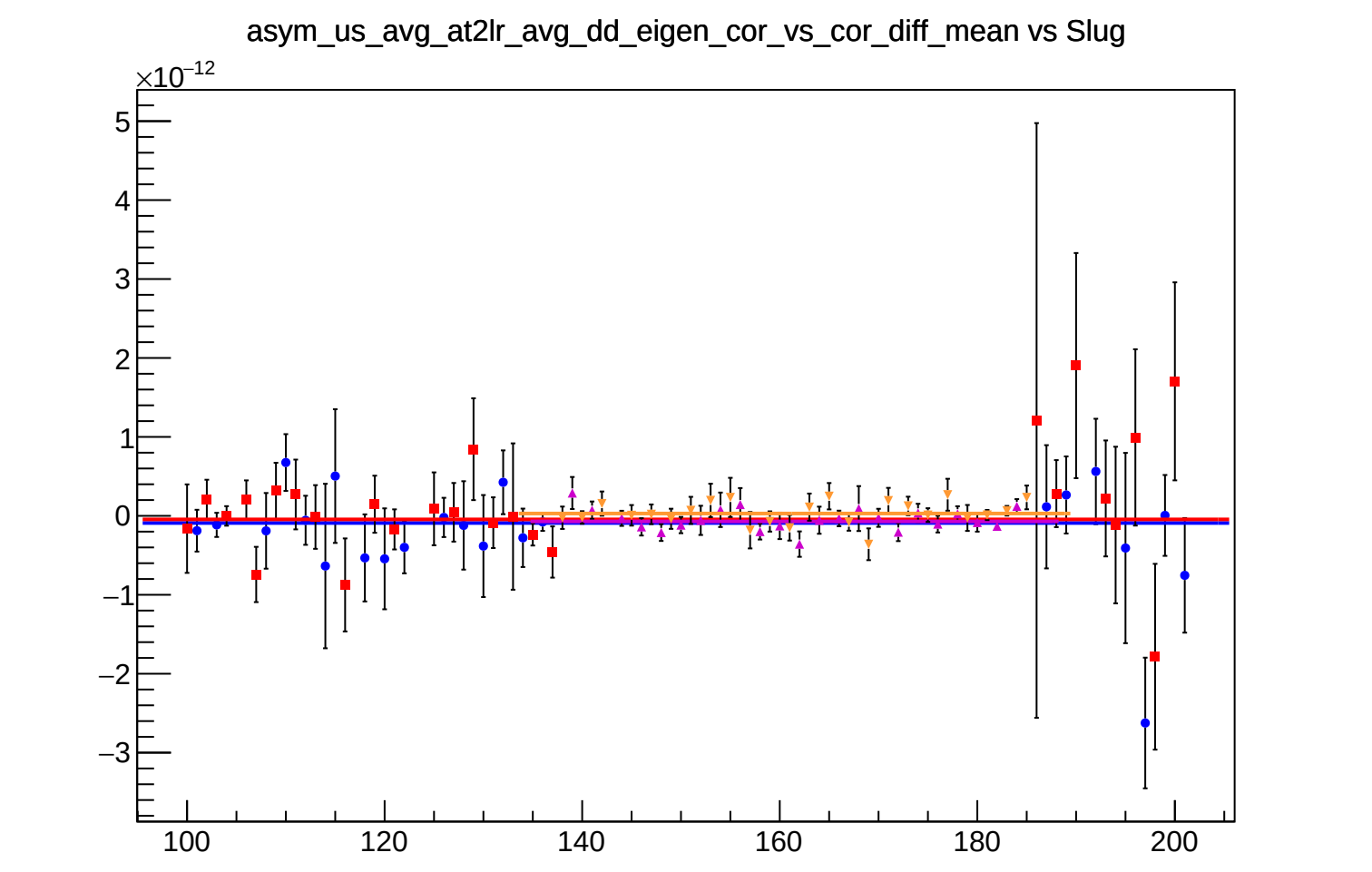
120
140
160
180
200
Right In: 290.910+/-0.063 χ²/NDF: 2104602.9/22
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 225.440+/-0.050 χ²/NDF: 4657085.2/25
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 365.703+/-0.052 χ²/NDF: 10757075.2/46
All: 324.231+/-0.034 χ²/NDF: 28173223.7/95
- sign 294.276+/-0.044 χ²/NDF: 16330873.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

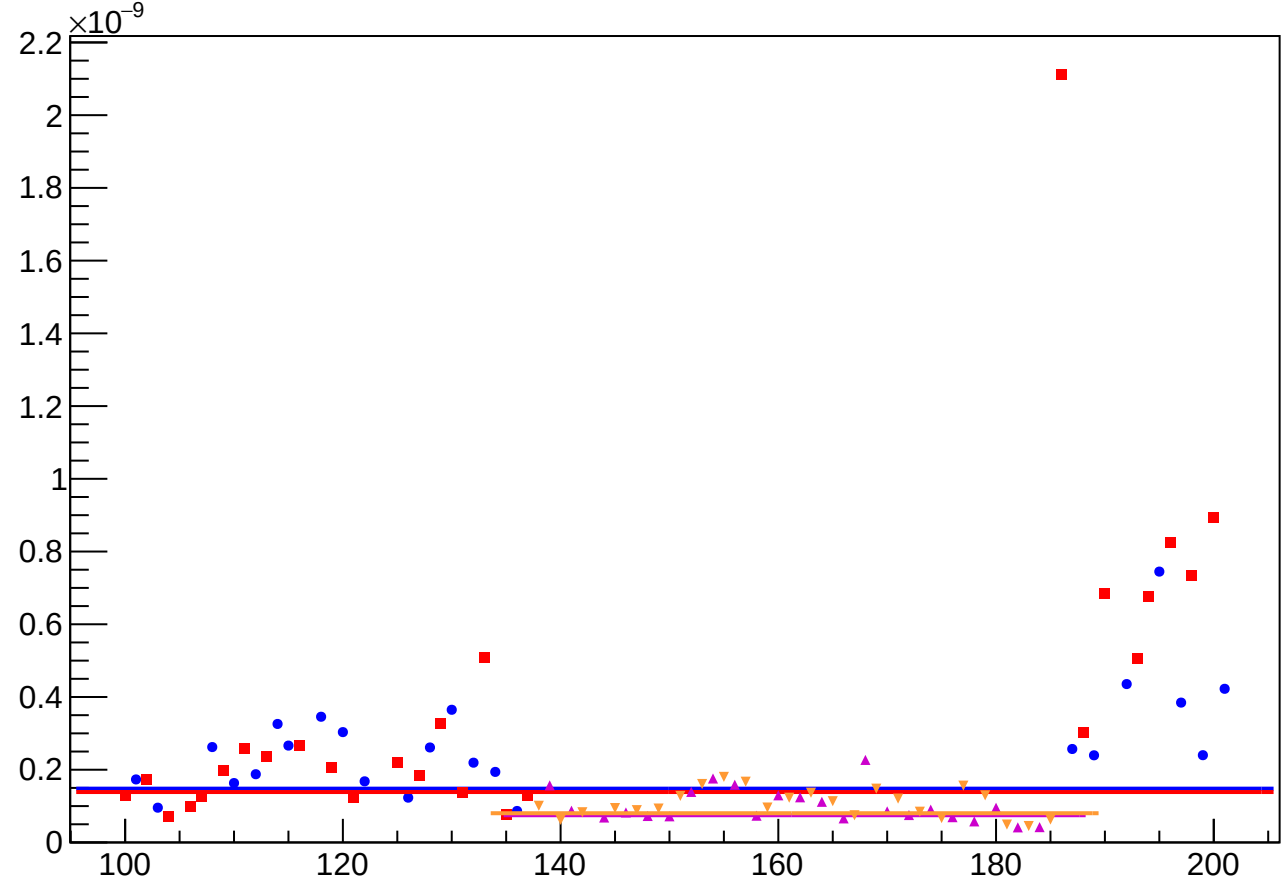
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/25

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: 96.0/95

- sign -0.000+/-0.000 χ^2/NDF: 47.1/48



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: 6355194.5/25

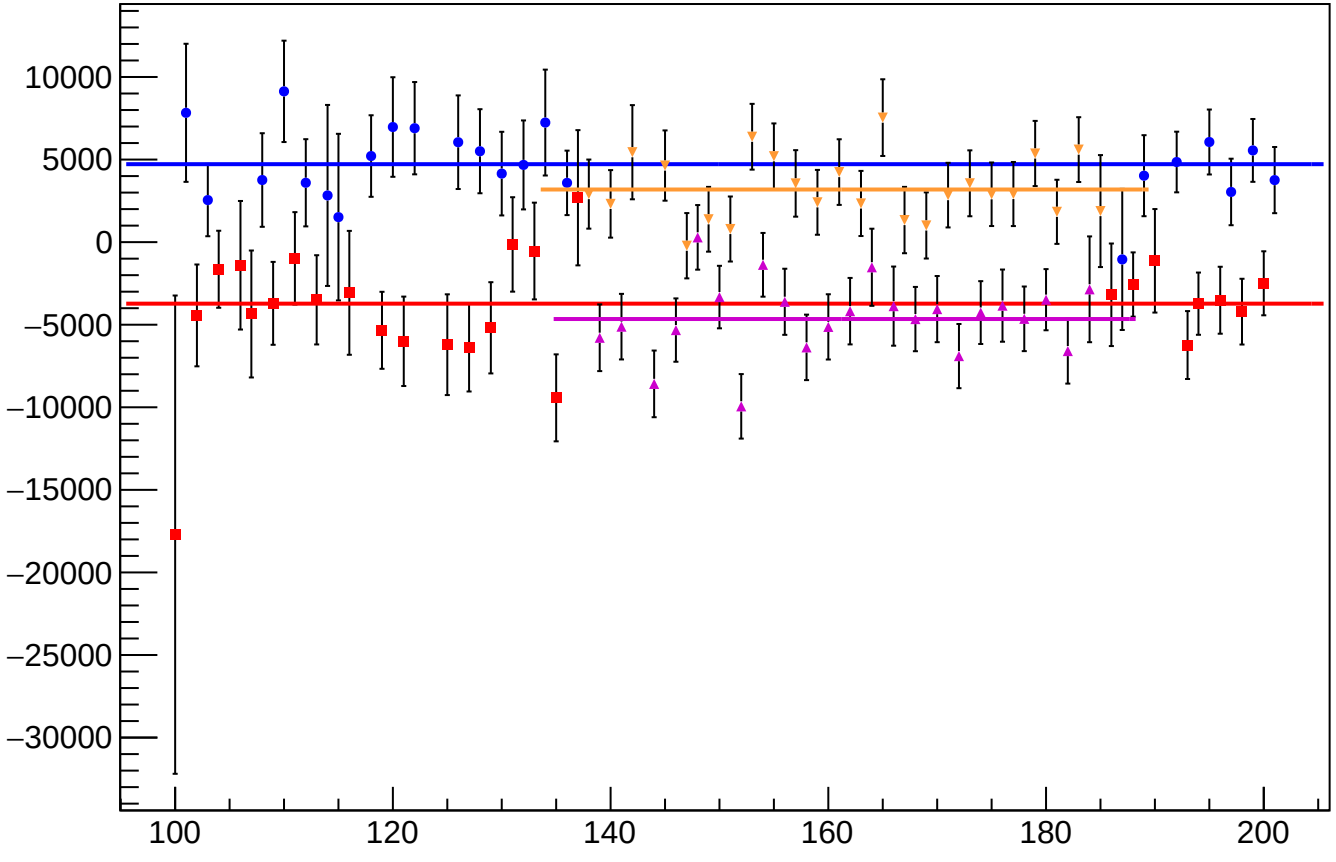
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8927372.9/46

All: 0.000+/-0.000 χ^2/NDF: 20818313.7/95

- sign 0.000+/-0.000 χ^2/NDF: 11821117.7/48

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: -3724.988+/-511.935 χ^2/NDF: 19.2/25

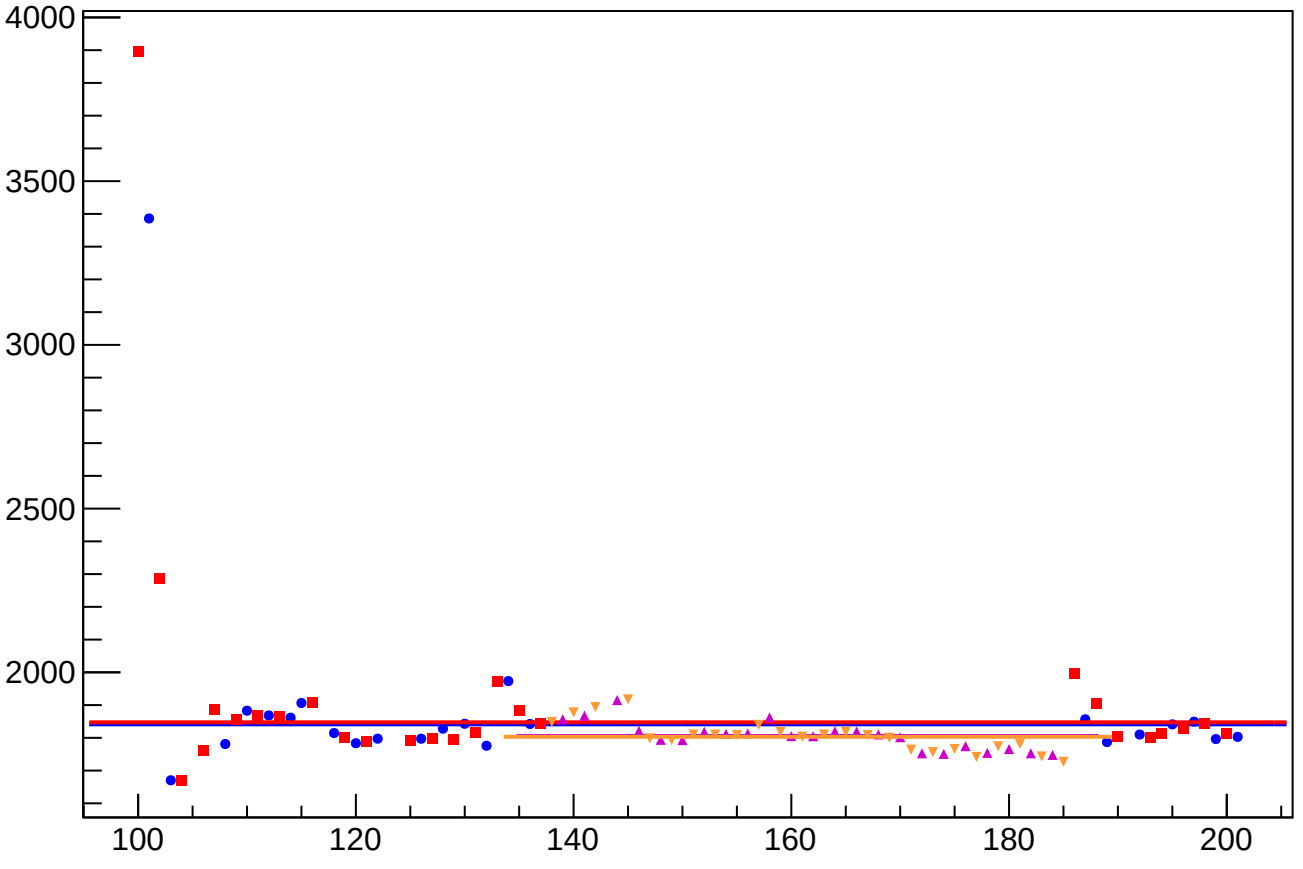
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3779.845+/-327.889 χ^2/NDF: 35.5/46

All: -279.312+/-230.998 χ^2/NDF: 388.7/95

- sign -4279.179+/-325.486 χ^2/NDF: 48.9/48

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

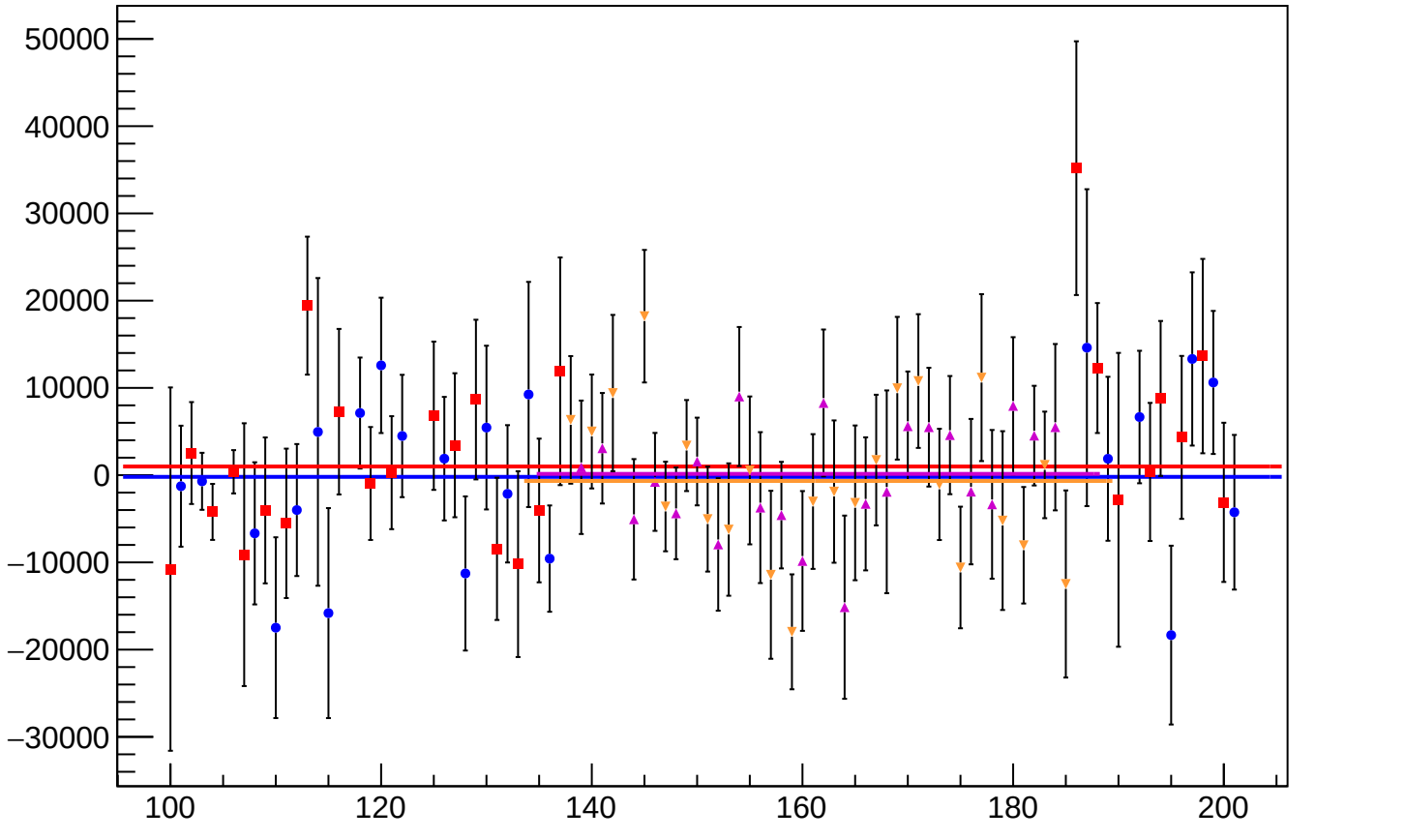
Right Out: 1847.429+/-0.361 χ^2/NDF: 111570.1/25

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1817.850+/-0.232 χ^2/NDF: 324210.3/46

All: 1820.202+/-0.163 χ^2/NDF: 463285.5/95

- sign 1822.517+/-0.230 χ^2/NDF: 138871.0/48



Right In: -197.730+/-1580.606 χ^2/NDF: 23.4/22

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

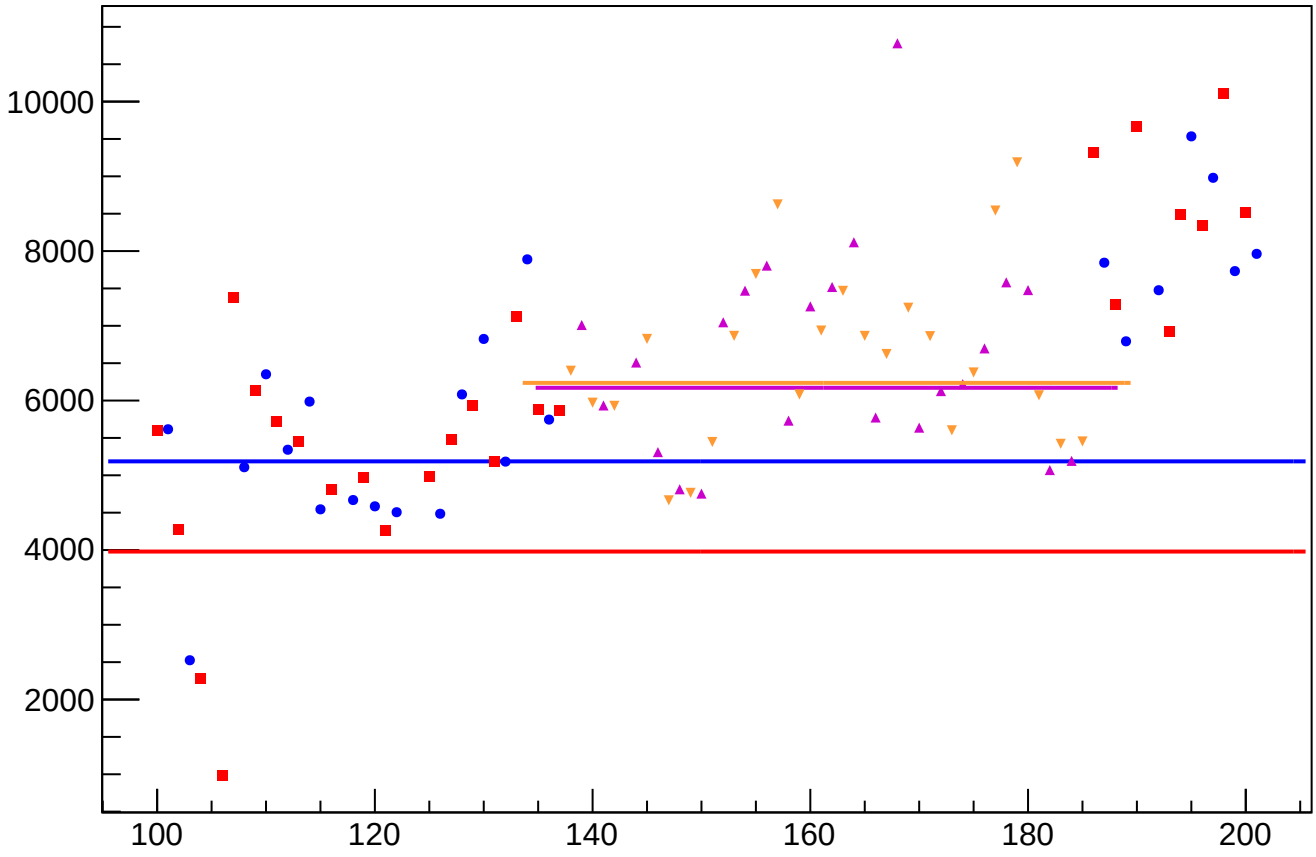
Right Out: 988.827+/-1324.870 χ^2/NDF: 25.5/25

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -448.093+/-1079.867 χ^2/NDF: 53.2/46

All: 129.865+/-727.553 χ^2/NDF: 93.0/95

- sign 610.302+/-984.556 χ^2/NDF: 39.3/48



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: 3979.766+/-0.937 χ^2/NDF: 7721960.0/25

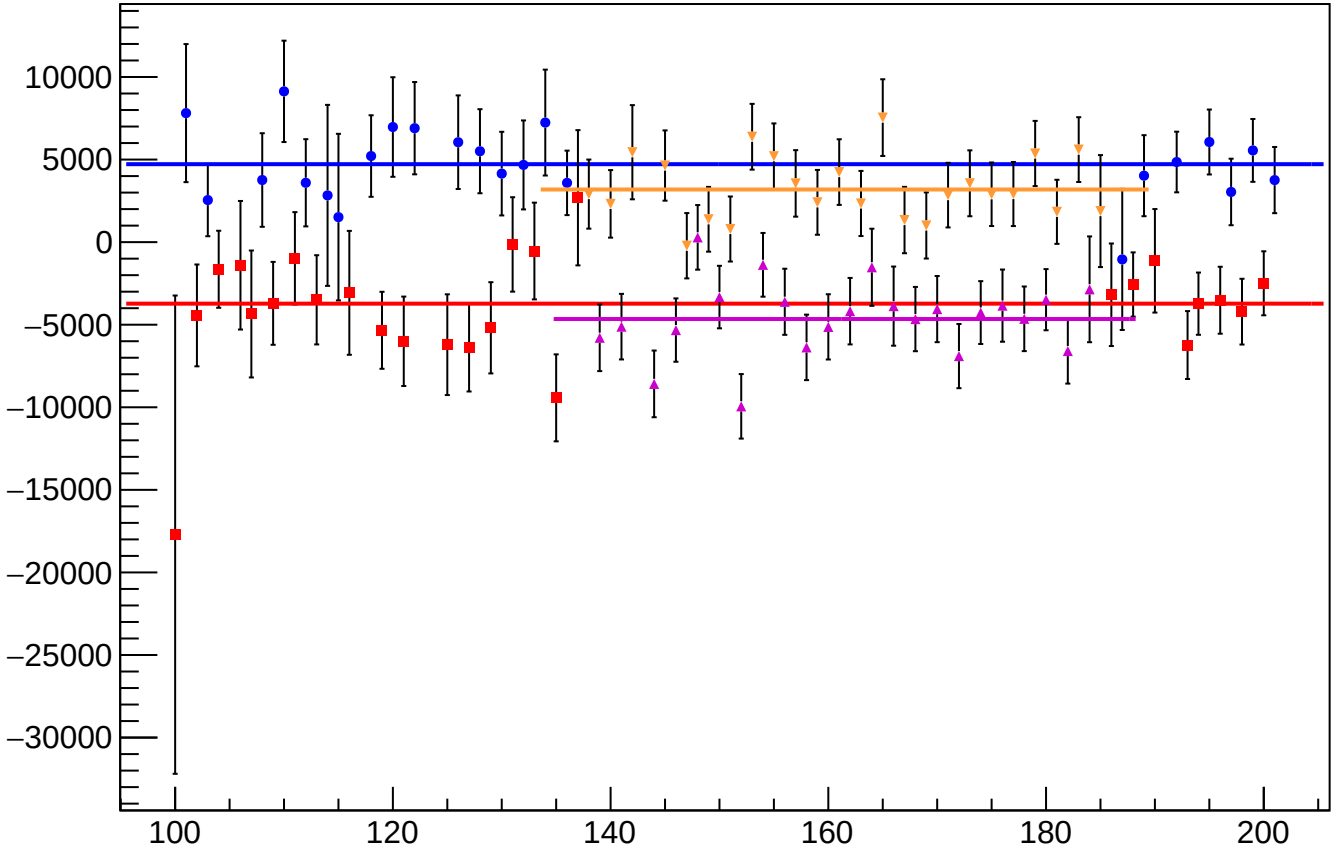
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5746.492+/-0.764 χ^2/NDF: 4482361.6/46

All: 5317.449+/-0.514 χ^2/NDF: 16469177.4/9

- sign 4960.800+/-0.696 χ^2/NDF: 11408663.7/48

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: -3724.874+/-511.935 χ^2/NDF: 19.2/25

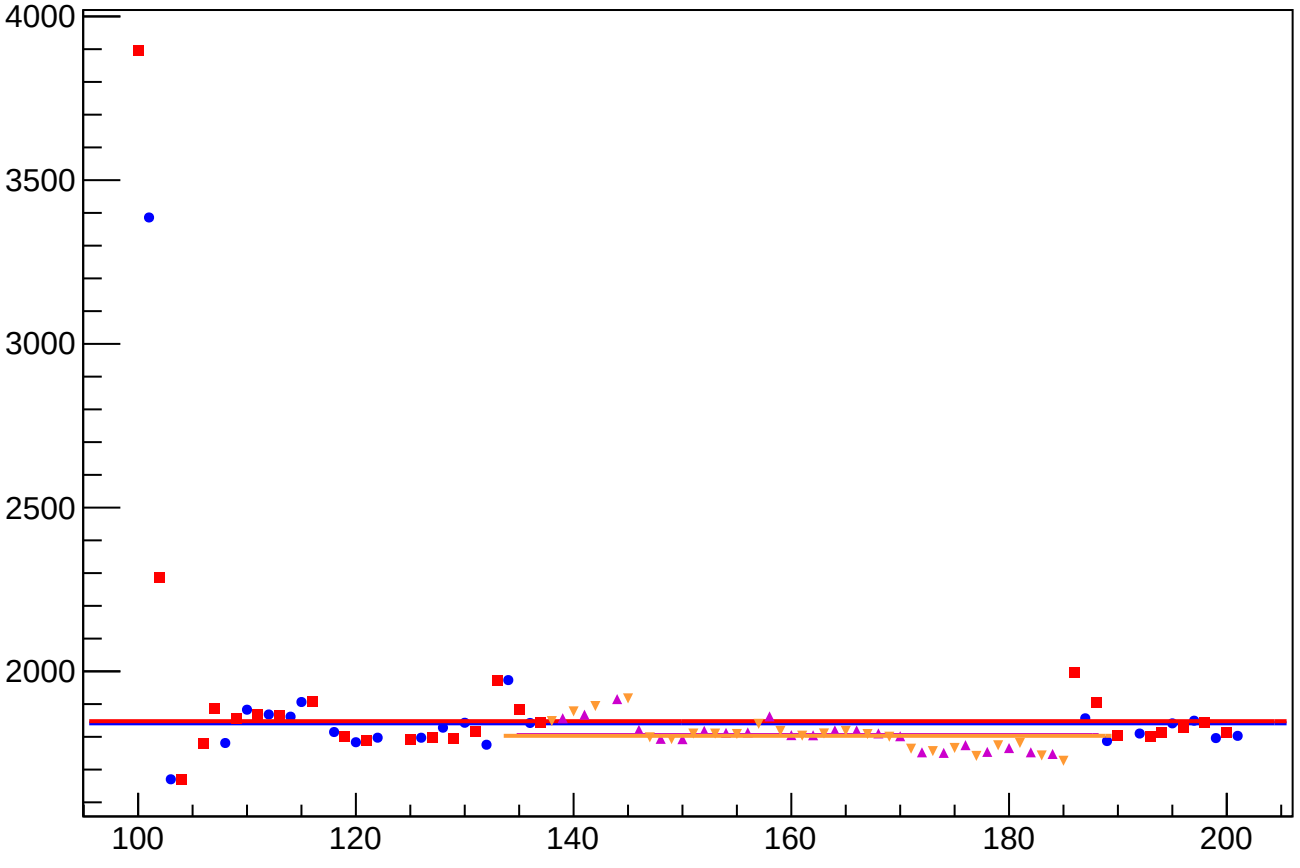
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3779.726+/-327.889 χ^2/NDF: 35.5/46

All: -279.353+/-230.998 χ^2/NDF: 388.7/95

- sign -4279.144+/-325.486 χ^2/NDF: 48.9/48

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

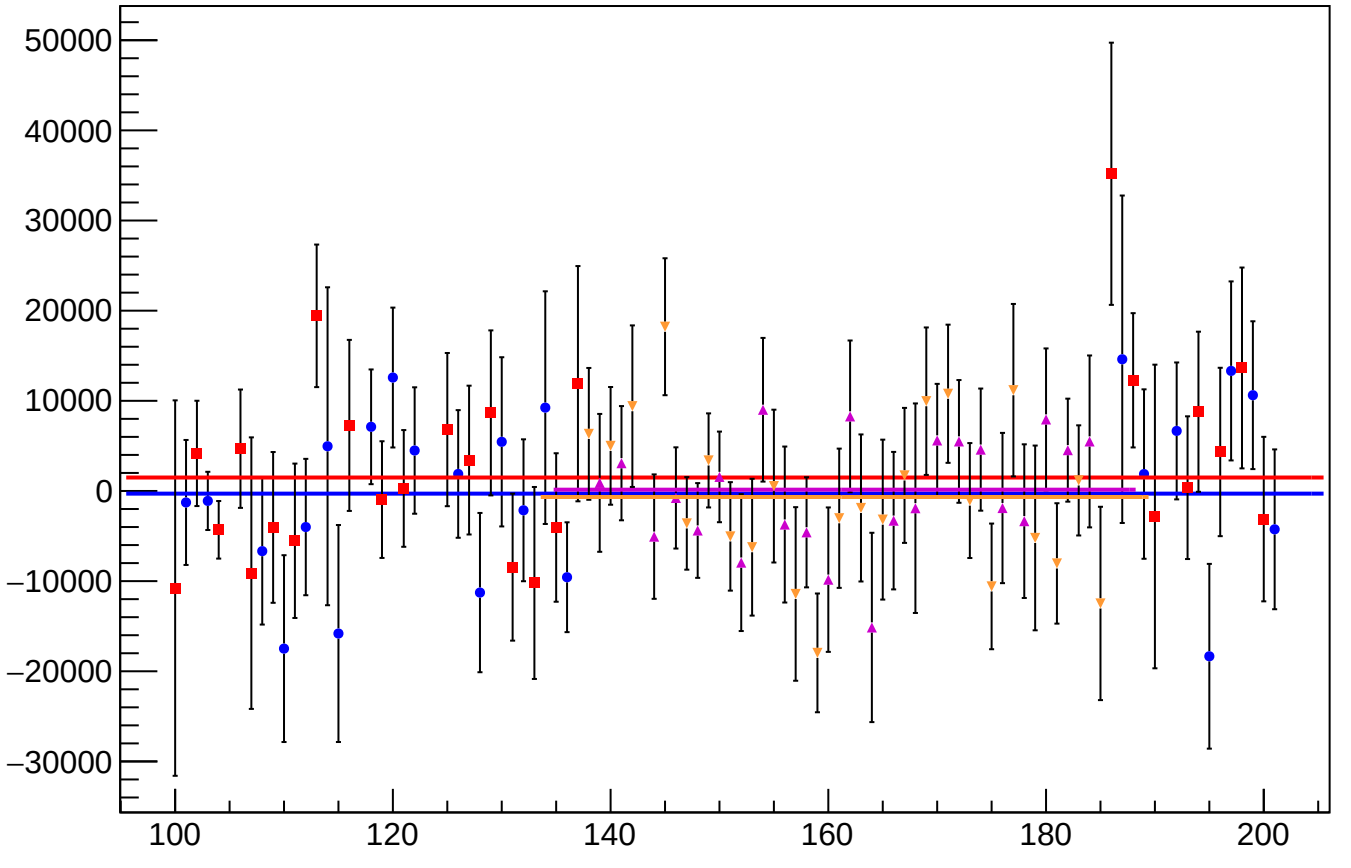
Right Out: 1847.810+/-0.361 χ^2/NDF: 111136.2/25

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.850+/-0.232 χ^2/NDF: 324212.1/46

All: 1820.278+/-0.163 χ^2/NDF: 463011.2/95

- sign 1822.668+/-0.230 χ^2/NDF: 138581.5/48



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: 1492.800+/-1522.353 χ^2/NDF: 26.0/25

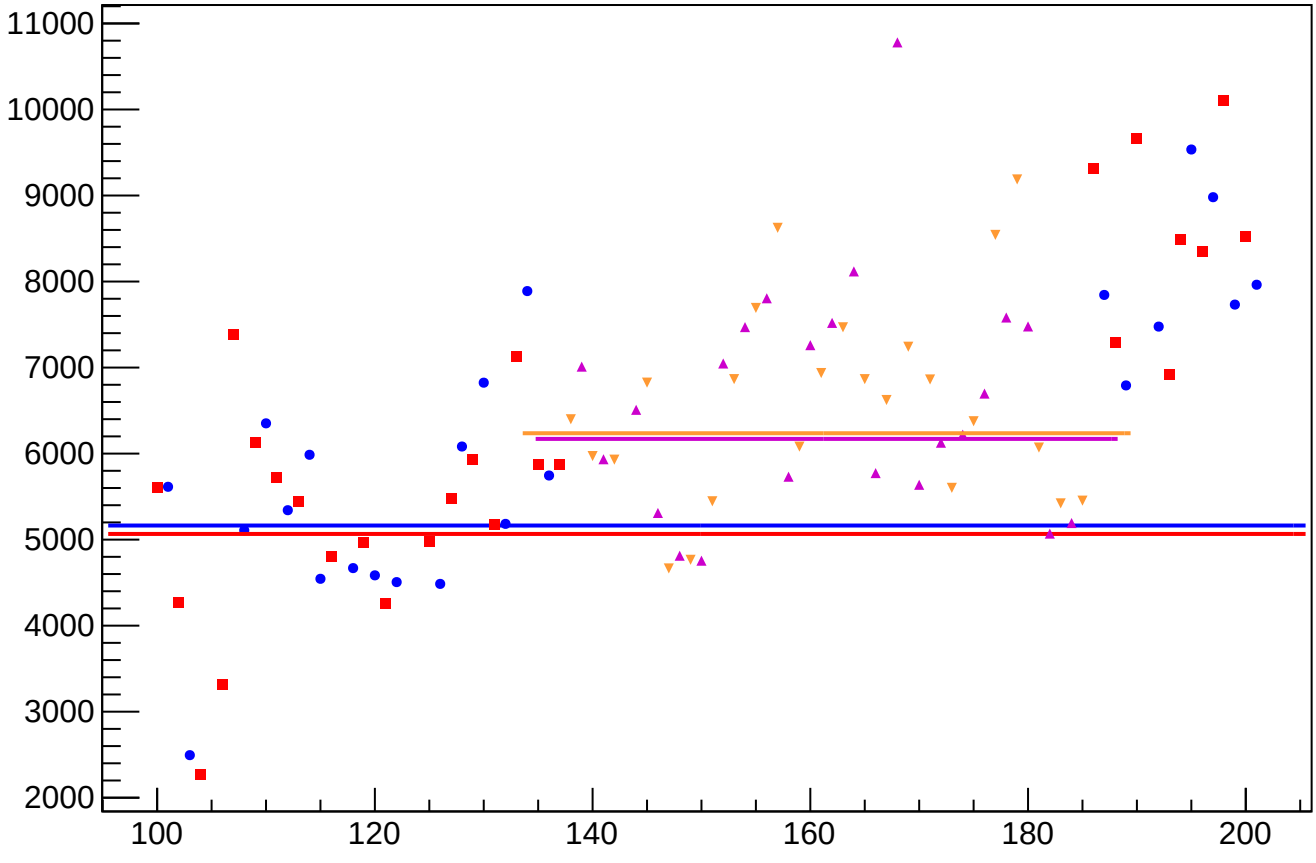
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -492.959+/-1078.416 χ^2/NDF: 53.3/46

All: 163.396+/-755.227 χ^2/NDF: 94.0/95

- sign 795.111+/-1057.981 χ^2/NDF: 40.0/48

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

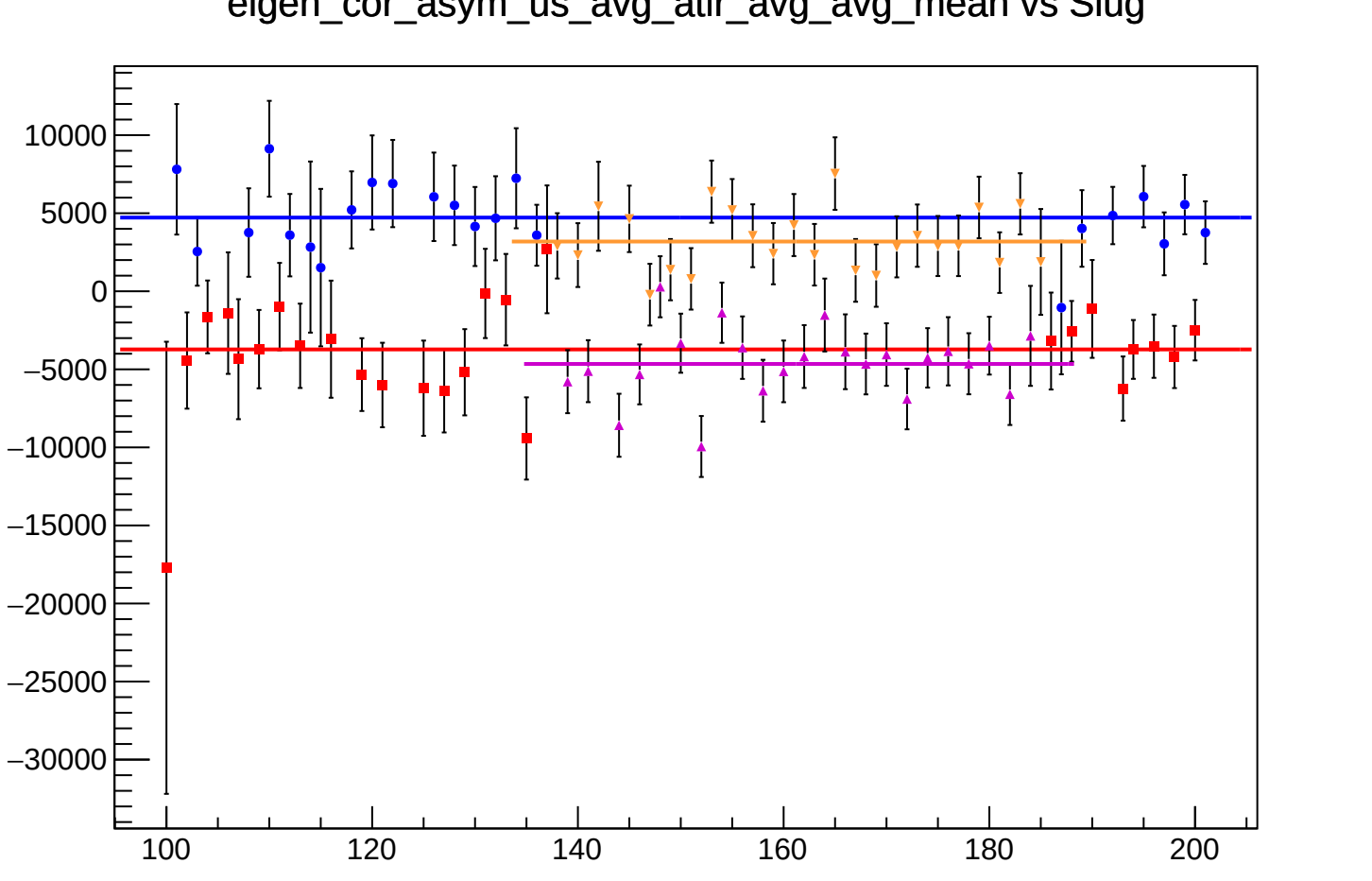
Right Out: 5066.007+/-1.076 χ^2/NDF: 3816606.8/25

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5734.400+/-0.763 χ^2/NDF: 4568141.0/46

All: 5684.874+/-0.534 χ^2/NDF: 10175172.5/9

- sign 5637.207+/-0.748 χ^2/NDF: 5598753.5/48



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: -3724.874+/-511.935 χ^2/NDF: 19.2/25

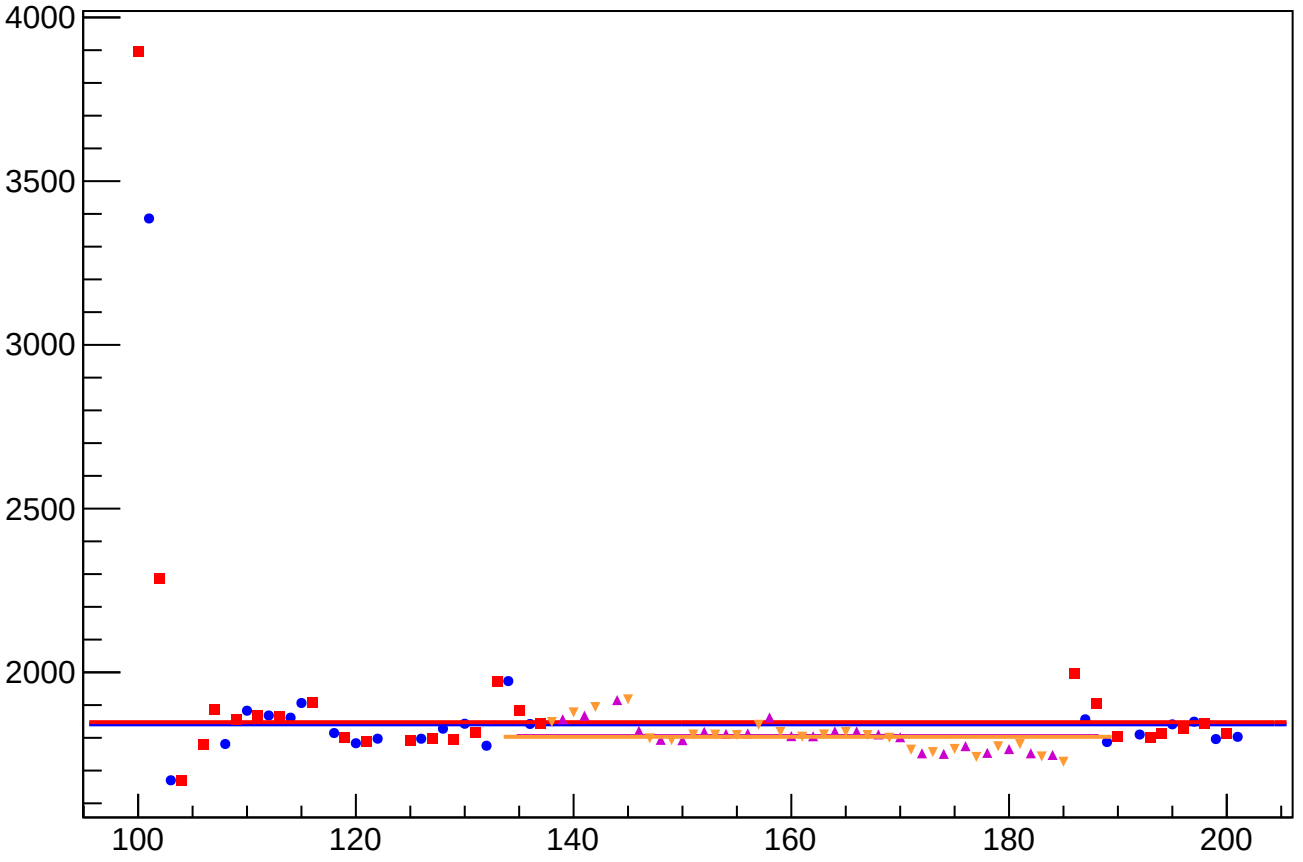
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3779.726+/-327.889 χ^2/NDF: 35.5/46

All: -279.353+/-230.998 χ^2/NDF: 388.7/95

- sign -4279.144+/-325.486 χ^2/NDF: 48.9/48

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

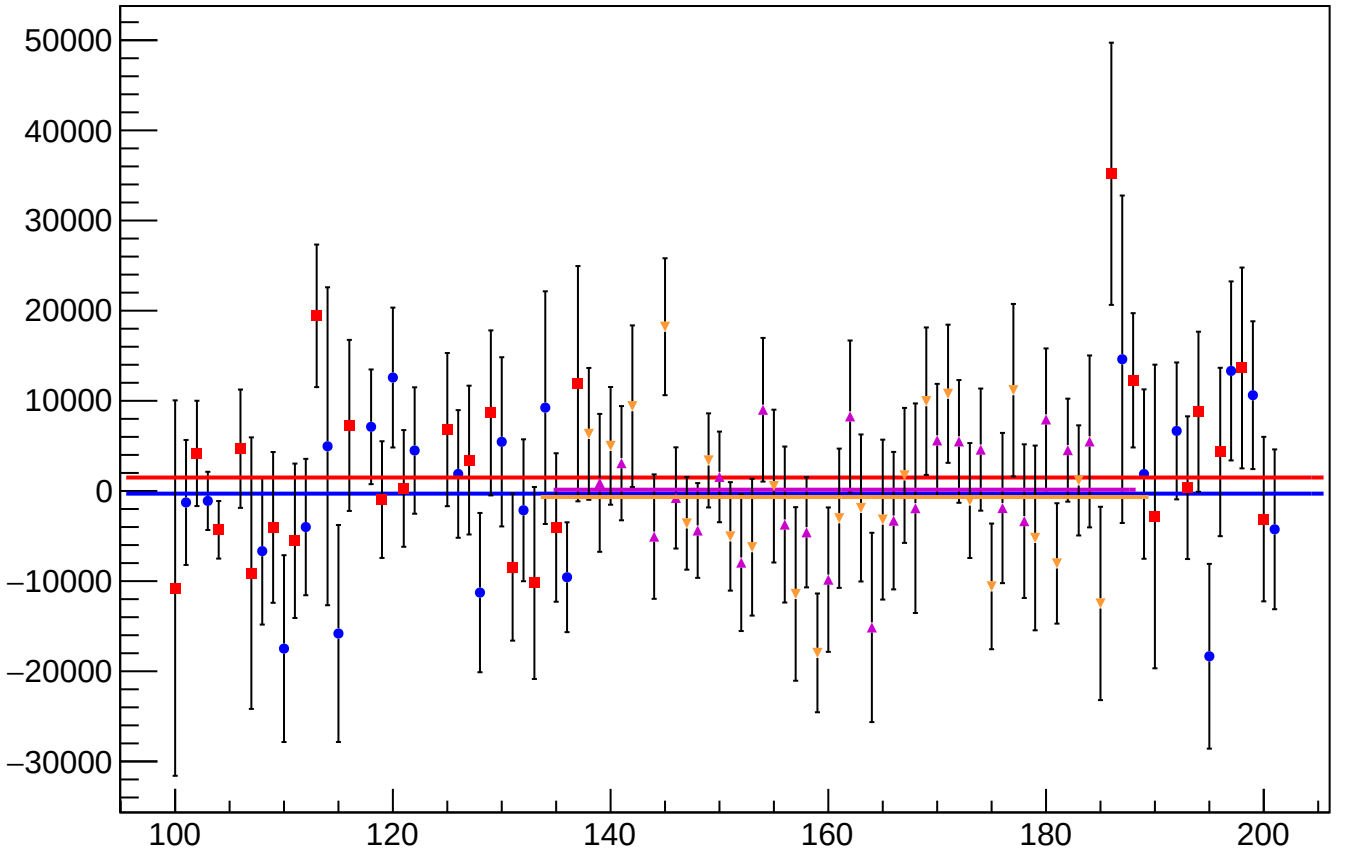
Right Out: 1847.810+/-0.361 χ^2/NDF: 111136.2/25

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.850+/-0.232 χ^2/NDF: 324212.1/46

All: 1820.278+/-0.163 χ^2/NDF: 463011.2/95

- sign 1822.668+/-0.230 χ^2/NDF: 138581.5/48



Right In: -294.991+/-1576.067 χ^2/NDF: 23.5/22

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

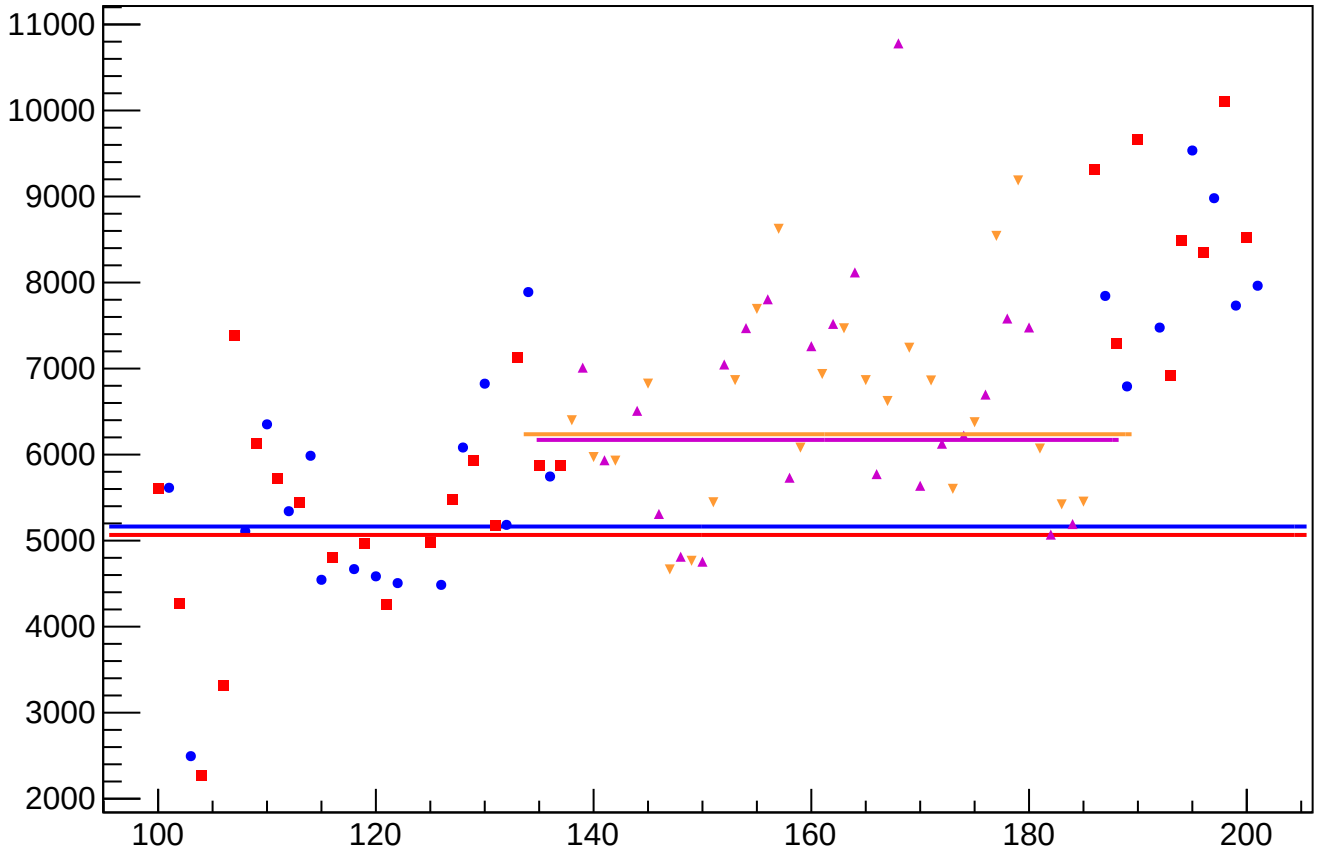
Right Out: 1492.800+/-1522.353 χ^2/NDF: 26.0/25

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -492.959+/-1078.416 χ^2/NDF: 53.3/46

All: 163.396+/-755.227 χ^2/NDF: 94.0/95

- sign 795.111+/-1057.981 χ^2/NDF: 40.0/48



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: 5066.007+/-1.076 χ^2/NDF: 3816606.8/25

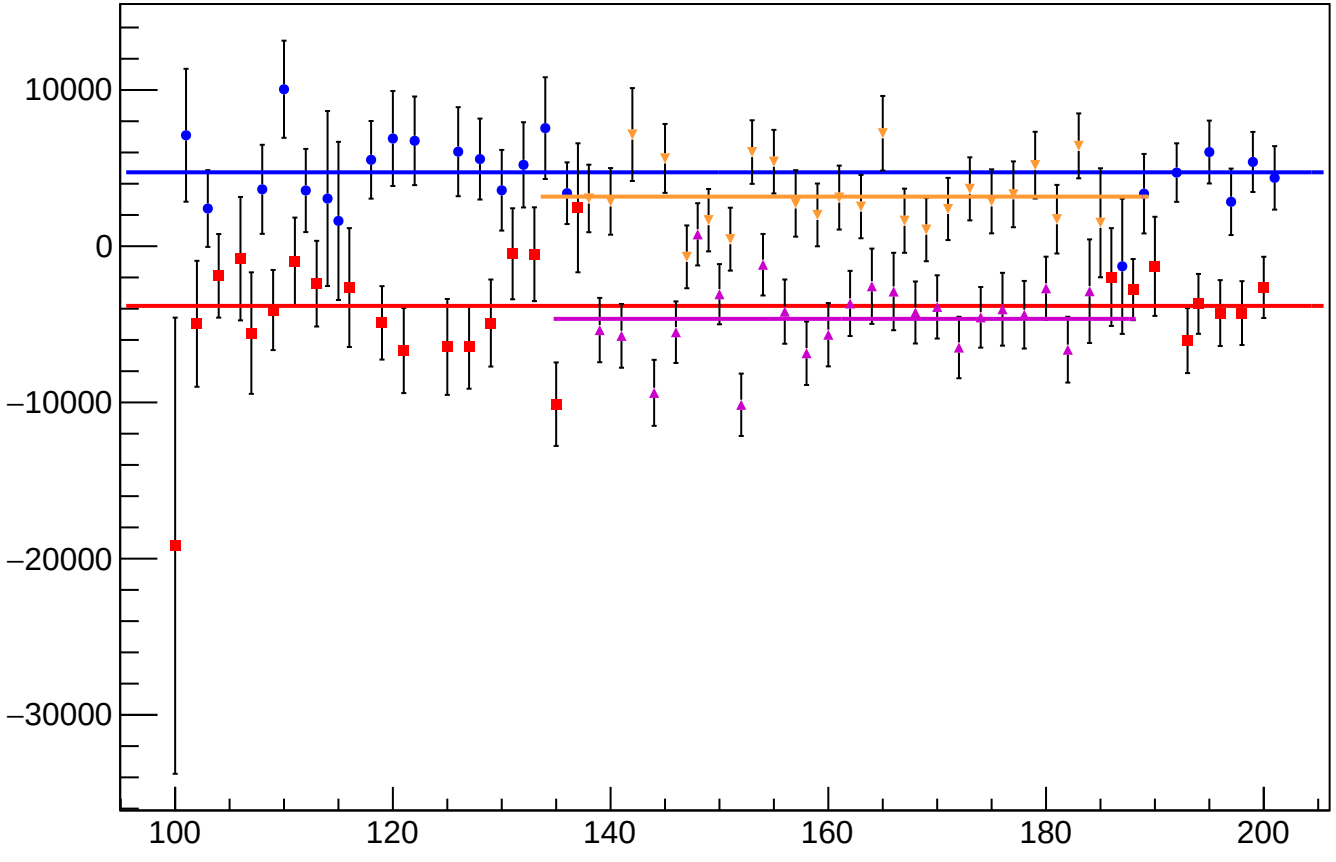
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5734.400+/-0.763 χ^2/NDF: 4568141.0/46

All: 5684.874+/-0.534 χ^2/NDF: 10175172.5/9

- sign 5637.207+/-0.748 χ^2/NDF: 5598753.5/48

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



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: -3819.800+/-525.276 χ^2/NDF: 20.3/25

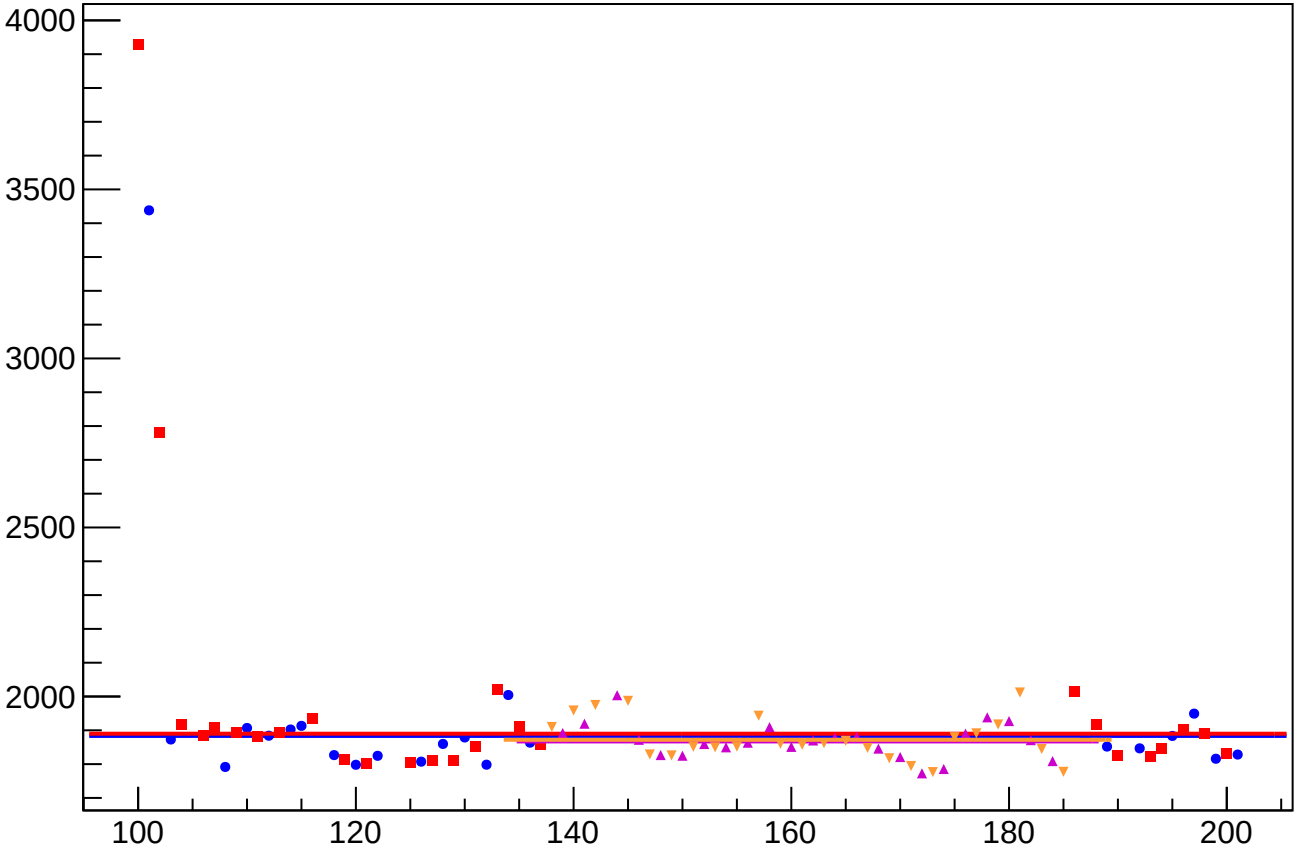
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3787.270+/-338.570 χ^2/NDF: 38.0/46

All: -298.035+/-238.340 χ^2/NDF: 378.9/95

- sign -4311.434+/-335.577 χ^2/NDF: 52.3/48

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

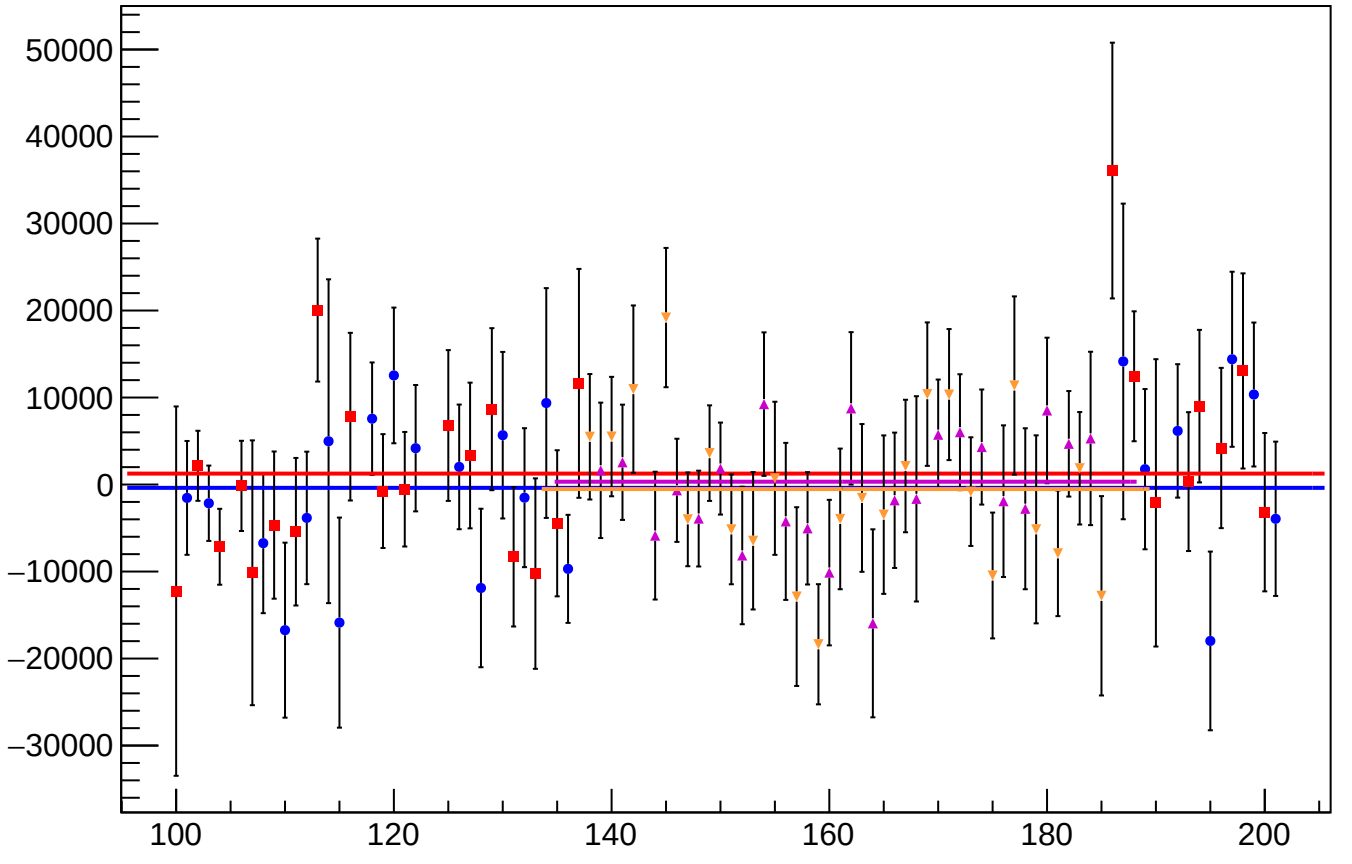
Right Out: 1889.953+/-0.371 χ^2/NDF: 160242.2/25

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1876.504+/-0.239 χ^2/NDF: 324182.2/46

All: 1876.462+/-0.169 χ^2/NDF: 513917.4/95

- sign 1876.421+/-0.237 χ^2/NDF: 189735.2/48



Right In: -380.310+/-1674.331 χ^2/NDF: 23.3/22

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

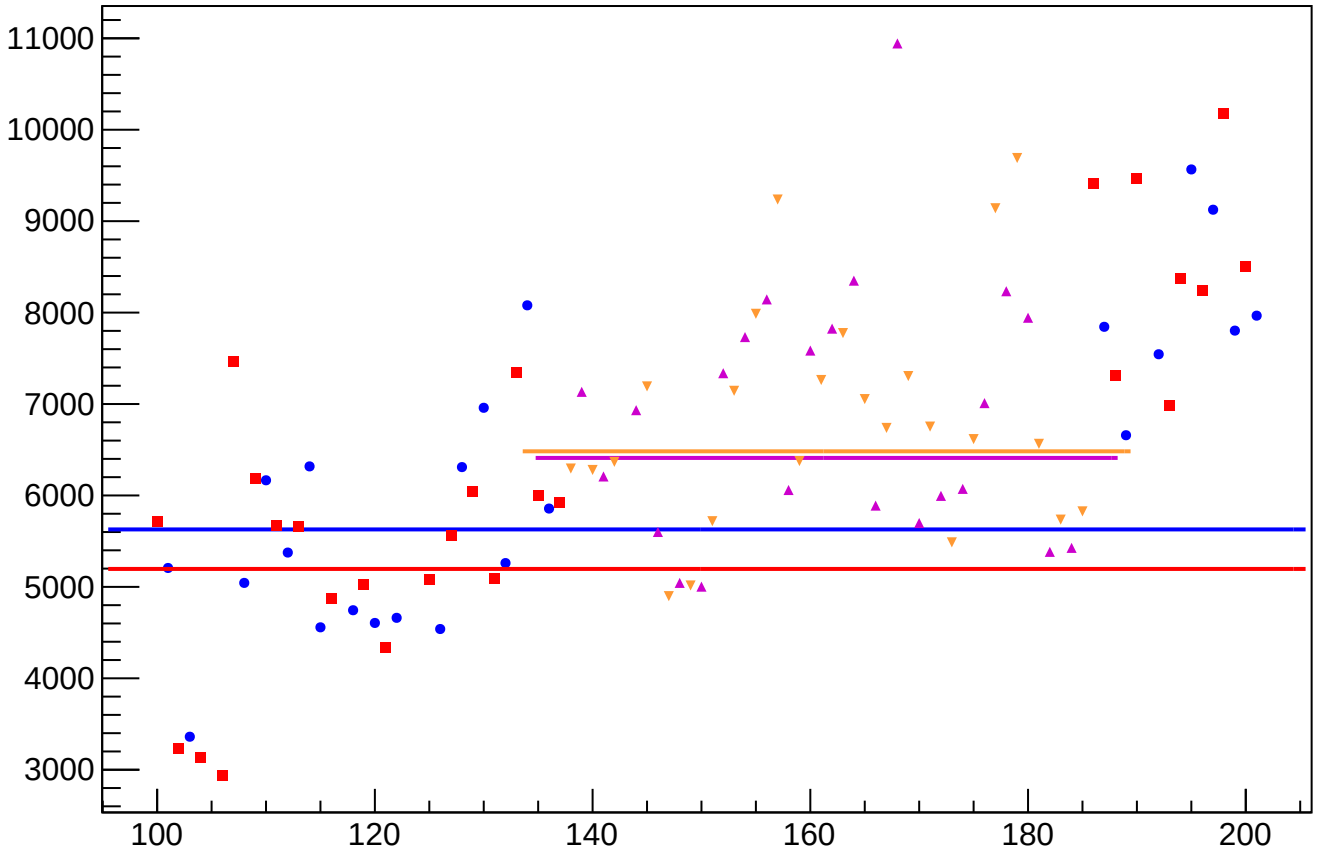
Right Out: 1257.538+/-1529.126 χ^2/NDF: 26.6/25

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -456.270+/-1132.179 χ^2/NDF: 52.5/46

All: 196.138+/-781.795 χ^2/NDF: 93.4/95

- sign 790.736+/-1080.855 χ^2/NDF: 40.2/48



Right In: 5628.508+/-1.184 χ^2/NDF: 1865559.7/22

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

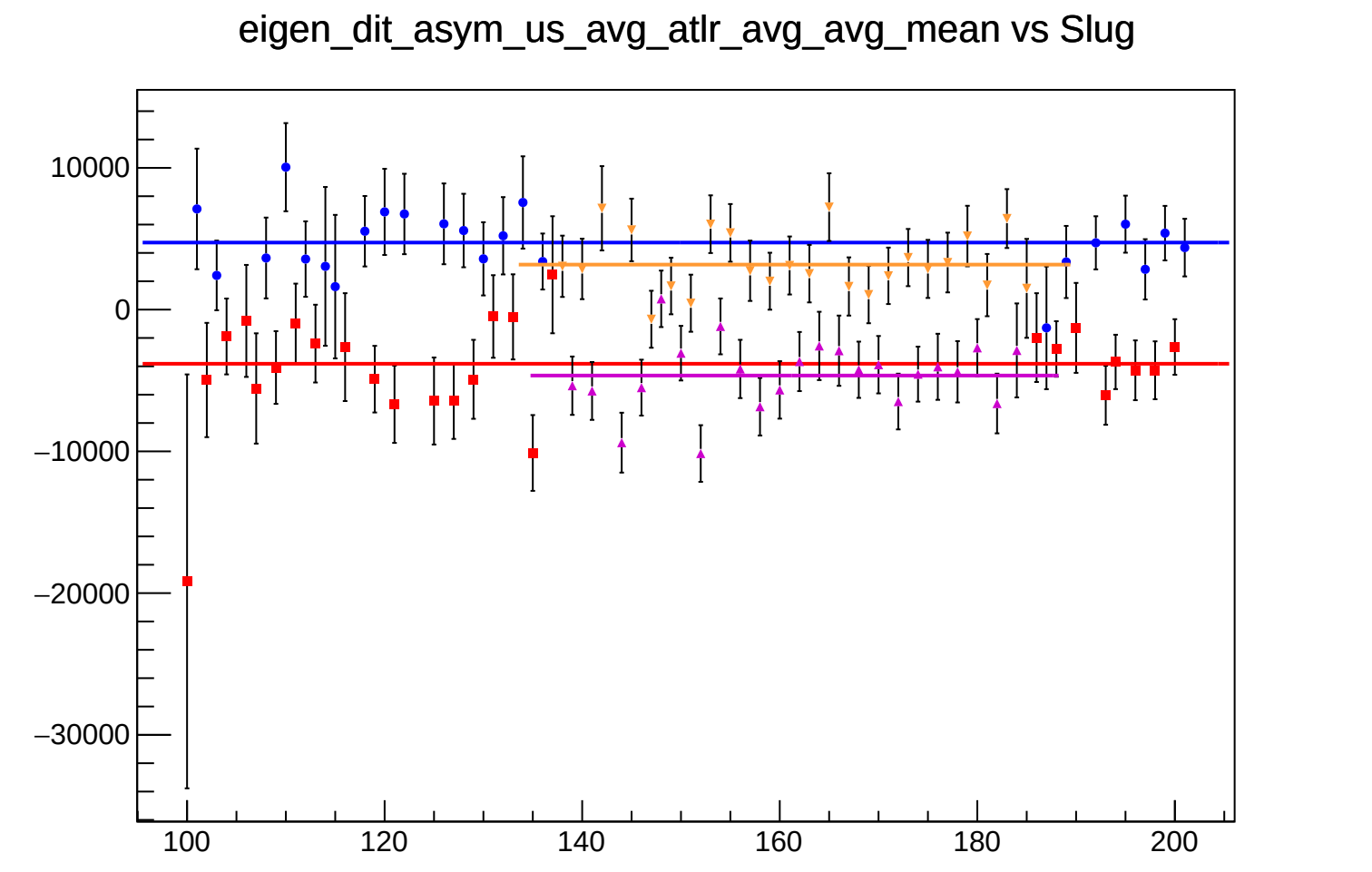
Right Out: 5196.344+/-1.081 χ^2/NDF: 3248126.7/25

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6092.142+/-0.801 χ^2/NDF: 3222693.5/46

All: 5941.303+/-0.553 χ^2/NDF: 8389353.7/95

- sign 5803.830+/-0.764 χ^2/NDF: 5098806.4/48



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: -3819.797+/-525.276 χ^2/NDF: 20.3/25

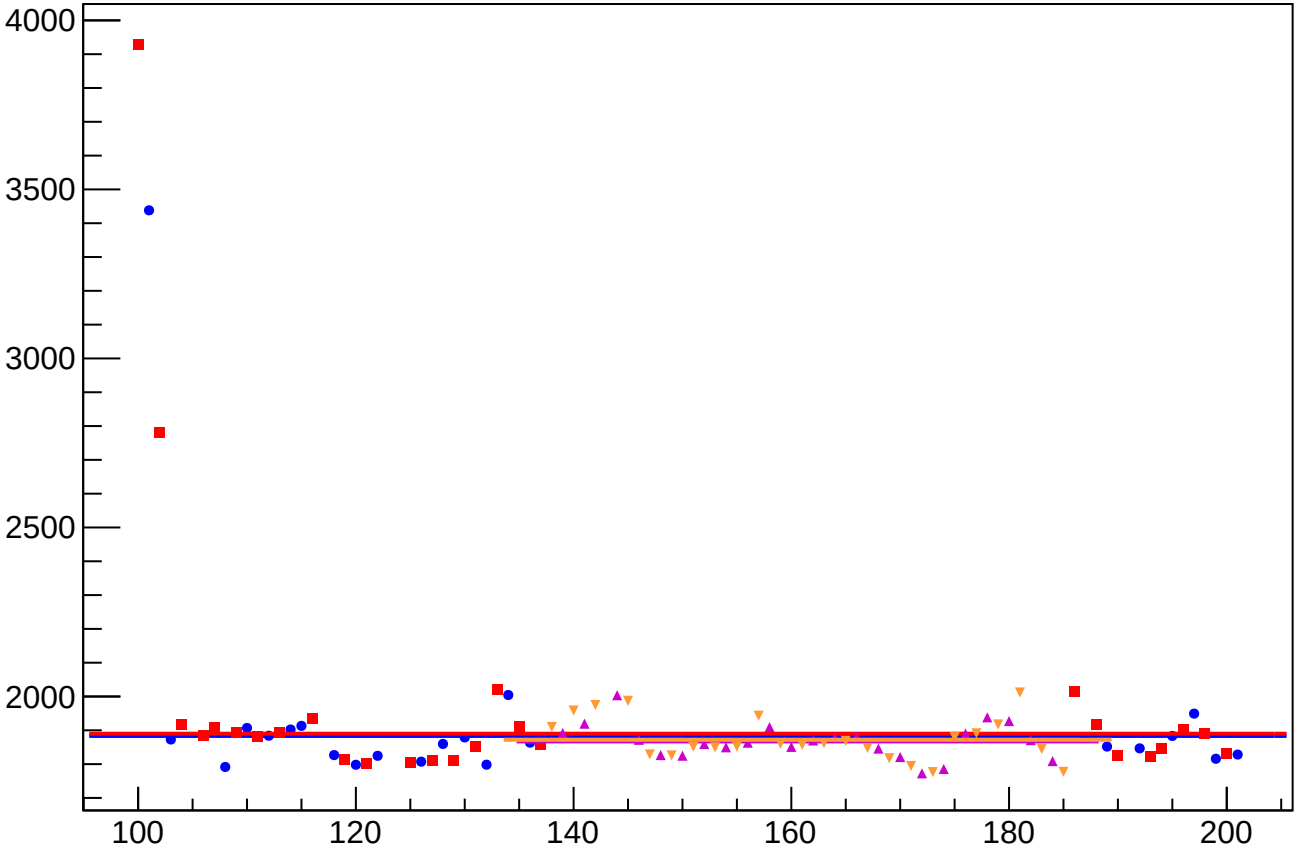
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3787.266+/-338.570 χ^2/NDF: 38.0/46

All: -298.037+/-238.340 χ^2/NDF: 378.9/95

- sign -4311.433+/-335.577 χ^2/NDF: 52.3/48

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

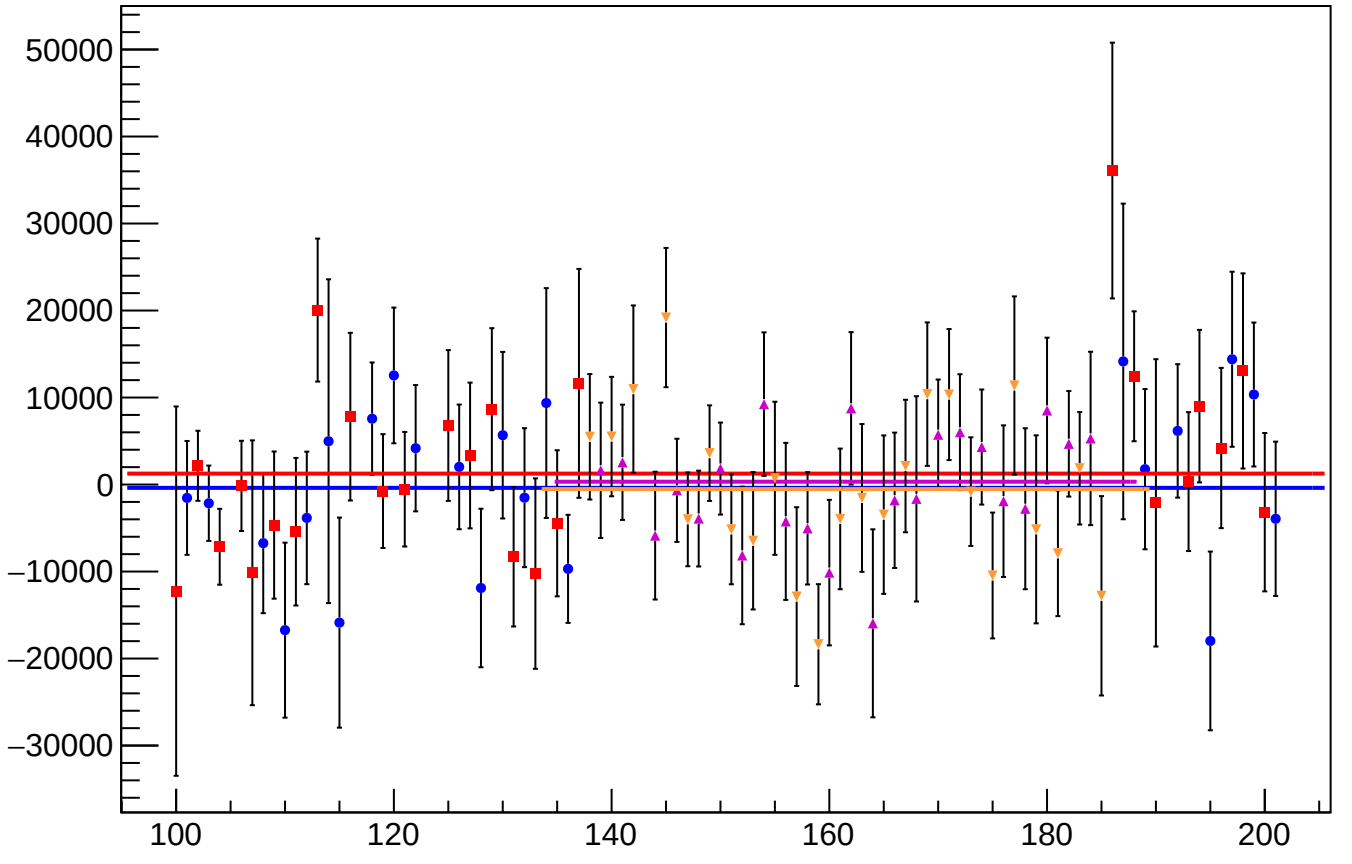
Right Out: 1889.953+/-0.371 χ^2/NDF: 160241.3/25

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1876.505+/-0.239 χ^2/NDF: 324183.2/46

All: 1876.463+/-0.169 χ^2/NDF: 513918.4/95

- sign 1876.422+/-0.237 χ^2/NDF: 189735.1/48



Right In: -380.306+/-1674.328 χ^2/NDF: 23.3/22

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

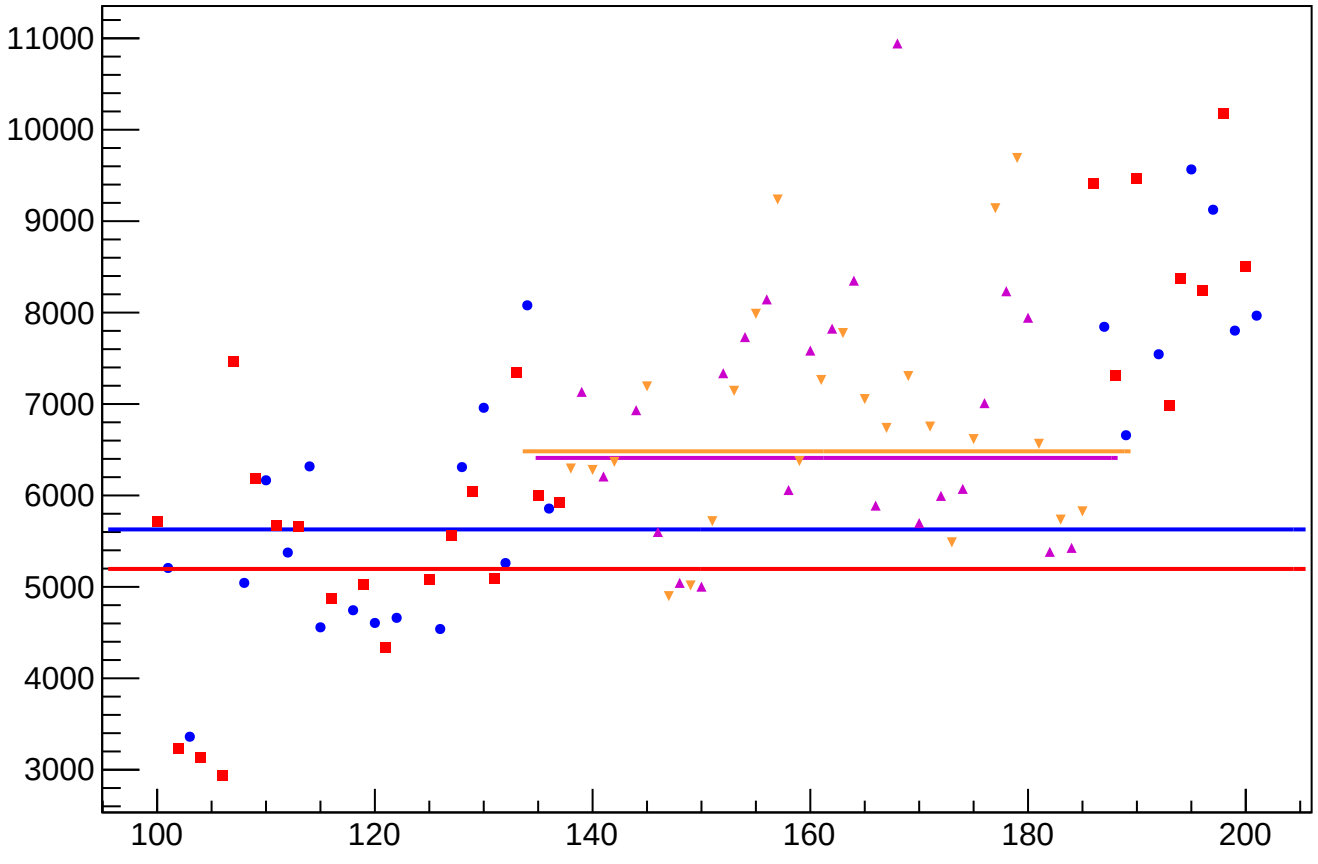
Right Out: 1257.530+/-1529.123 χ^2/NDF: 26.6/25

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -456.271+/-1132.180 χ^2/NDF: 52.5/46

All: 196.137+/-781.795 χ^2/NDF: 93.4/95

- sign 790.735+/-1080.855 χ^2/NDF: 40.2/48



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: 5196.332+/-1.081 χ^2/NDF: 3248145.1/25

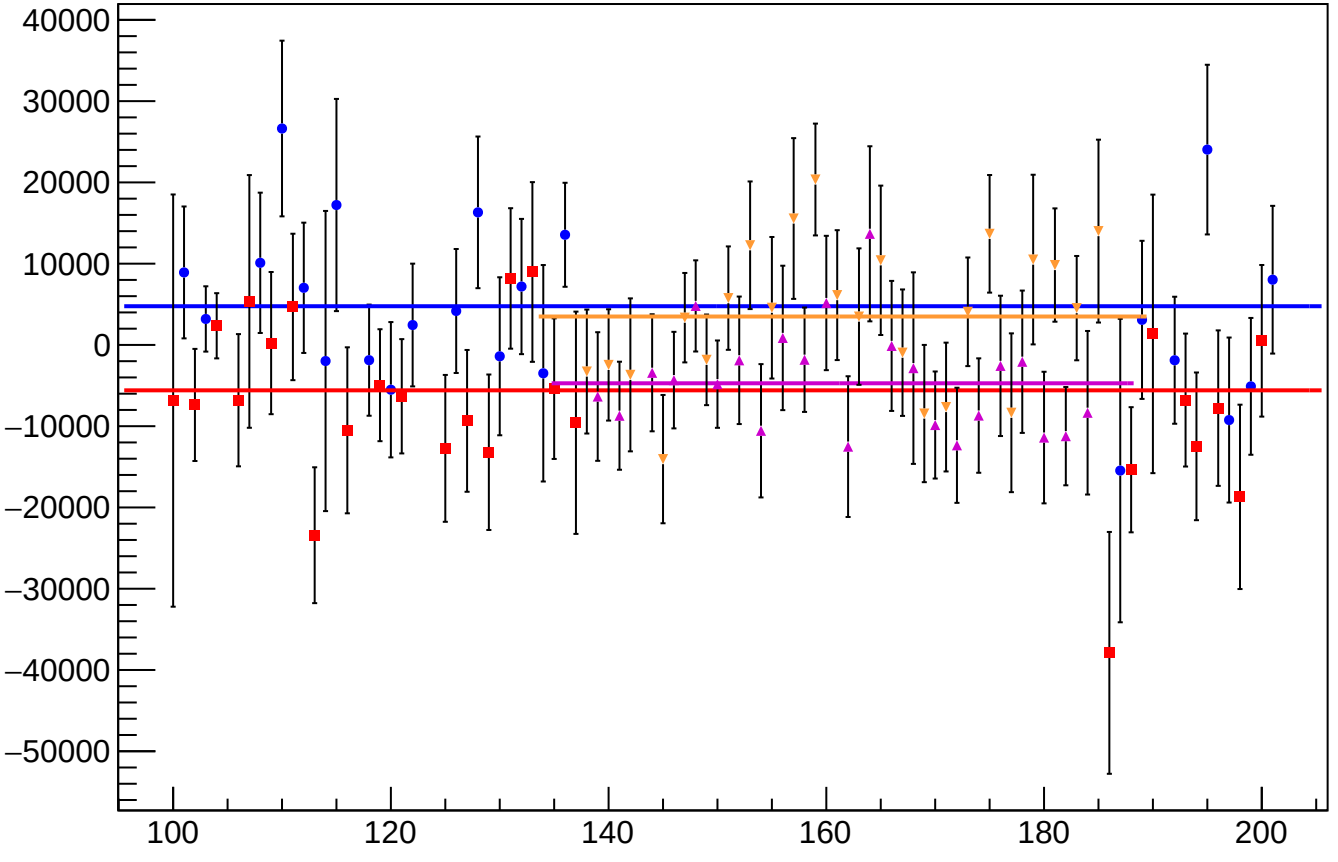
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6092.141+/-0.801 χ^2/NDF: 3222730.6/46

All: 5941.301+/-0.553 χ^2/NDF: 8389435.9/95

- sign 5803.828+/-0.764 χ^2/NDF: 5098850.6/48

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: -5587.653+/-1682.795 χ^2/NDF: 25.7/25

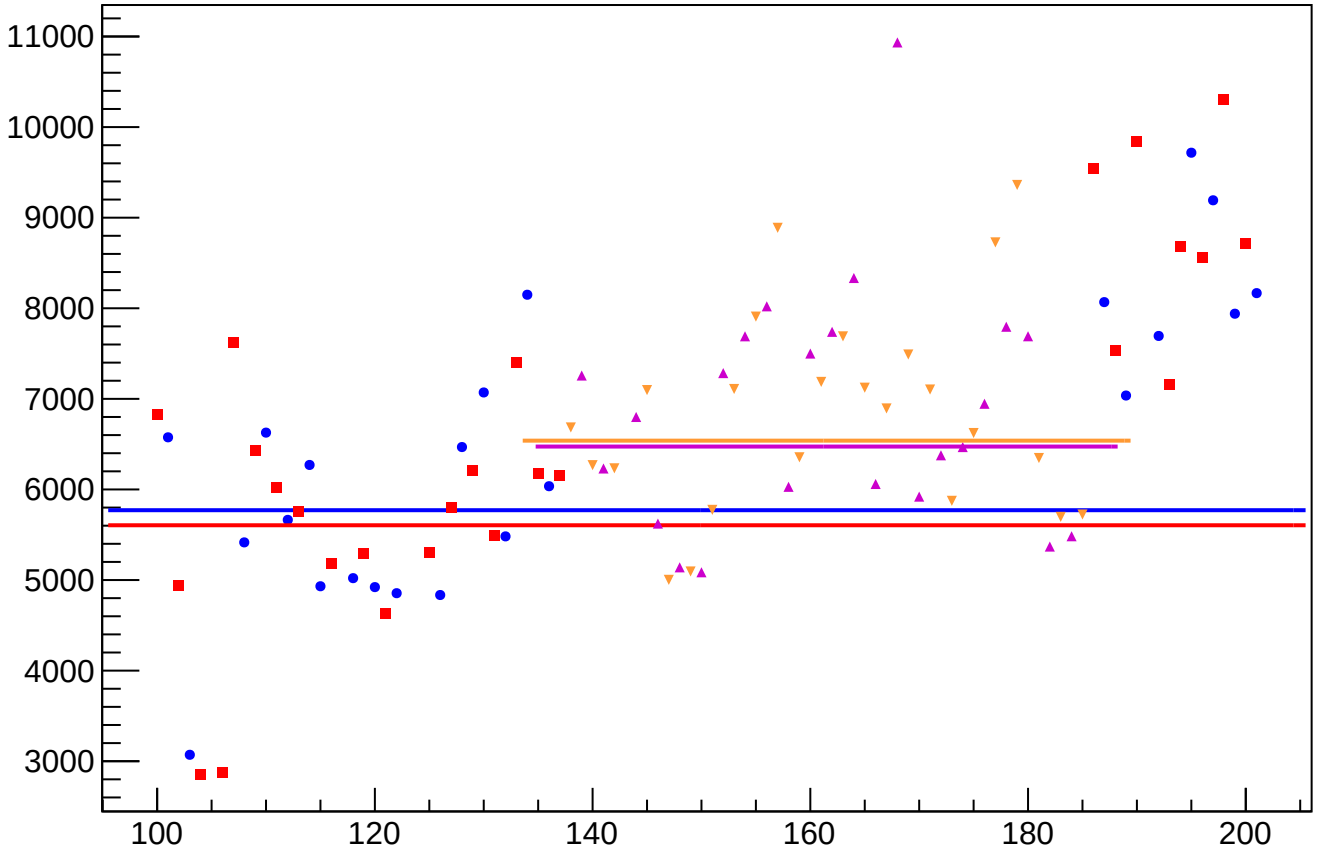
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4060.462+/-1151.714 χ^2/NDF: 49.4/46

All: -591.296+/-808.681 χ^2/NDF: 121.7/95

- sign -5114.975+/-1135.748 χ^2/NDF: 40.2/48

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

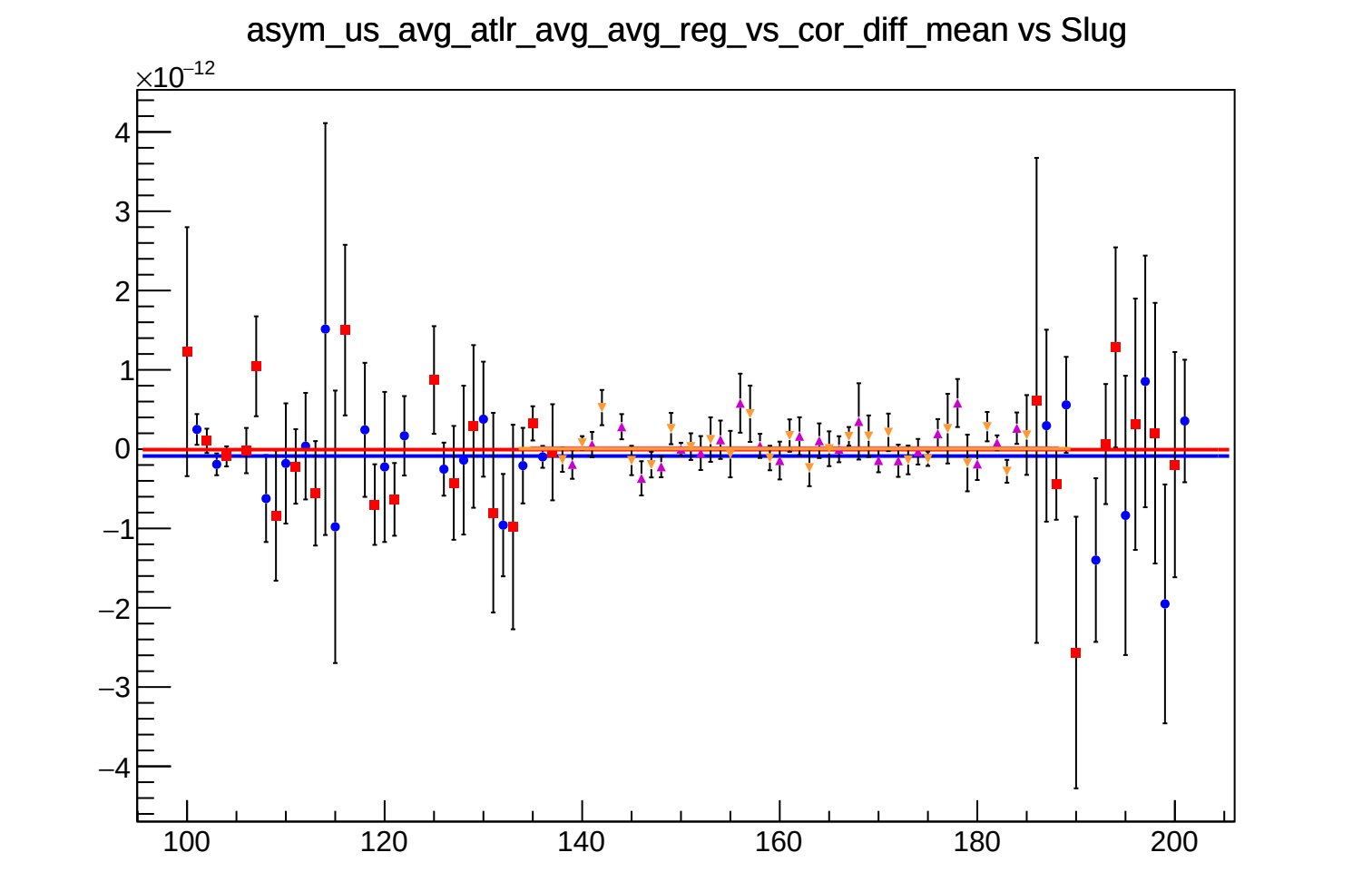
Right Out: 5604.682+/-1.171 χ^2/NDF: 2980891.7/25

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6197.085+/-0.814 χ^2/NDF: 3279361.2/46

All: 6132.688+/-0.570 χ^2/NDF: 7639488.0/95

- sign 6070.959+/-0.797 χ^2/NDF: 4347880.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 13.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

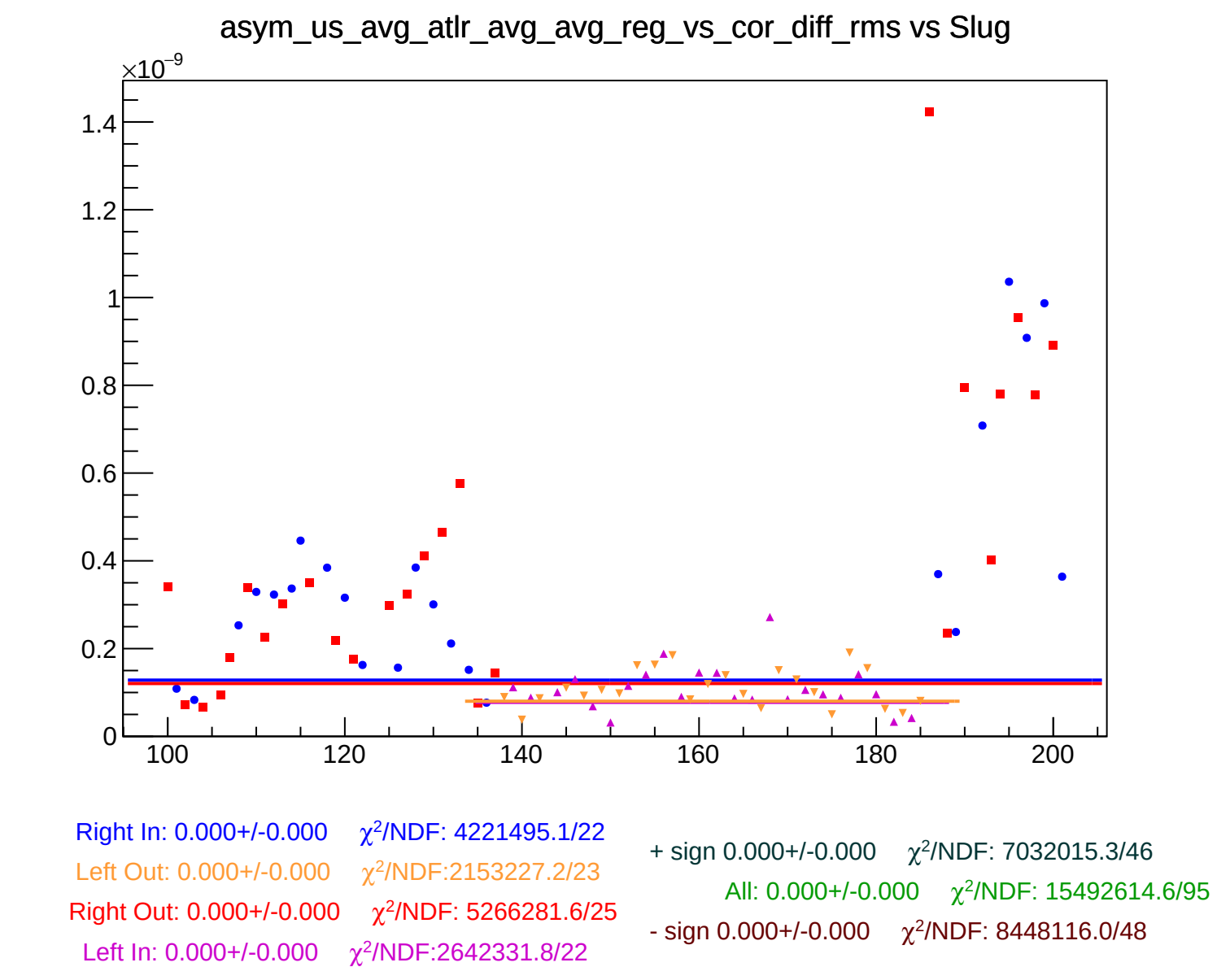
Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/25

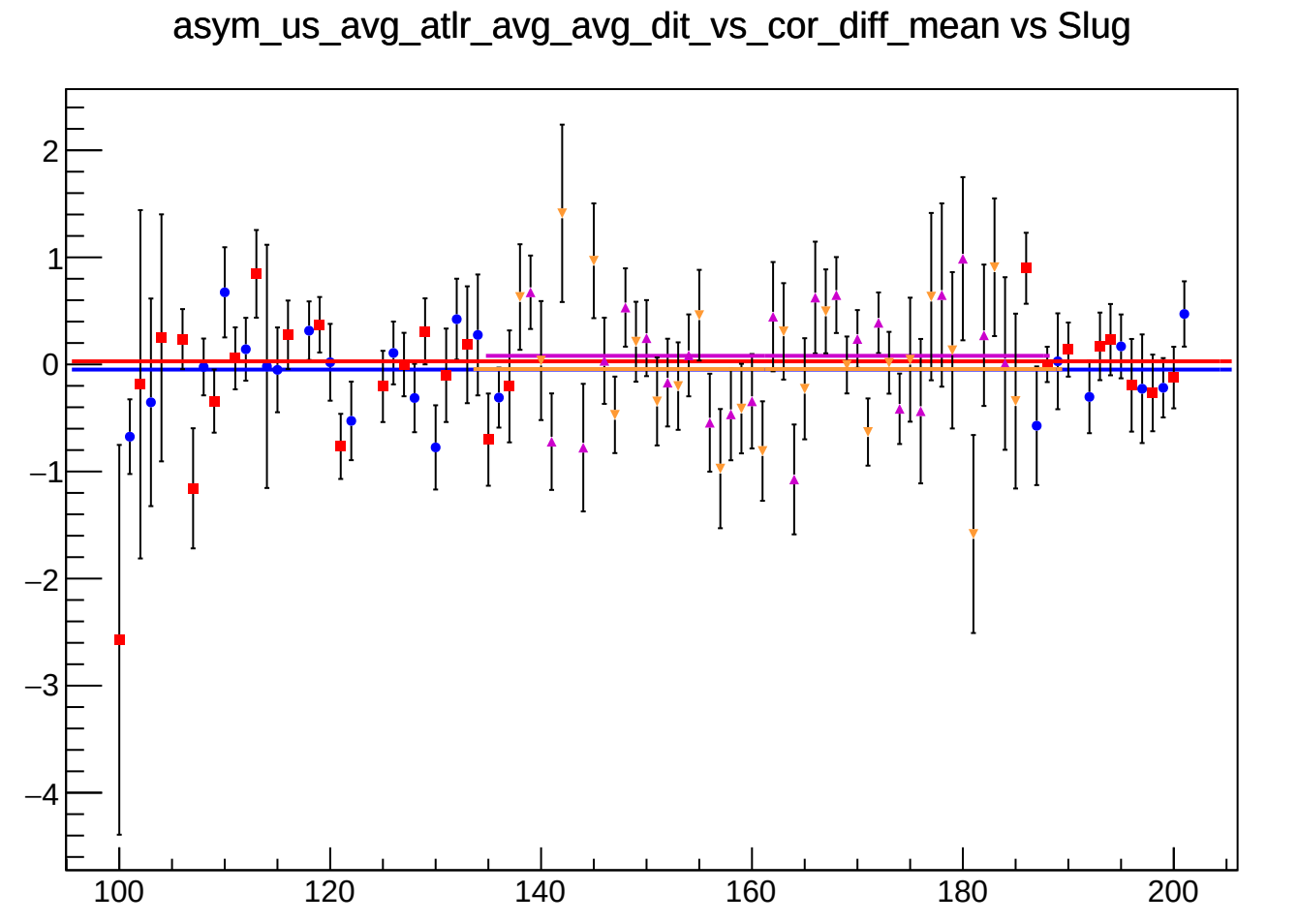
Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/46

All: 0.000+/-0.000 χ^2/NDF: 87.8/95

- sign 0.000+/-0.000 χ^2/NDF: 45.7/48


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: 5266281.6/25
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: 15492614.6/95
- sign 0.000+/-0.000 χ²/NDF: 8448116.0/48



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: 0.029+/-0.065 χ^2/NDF: 35.3/25

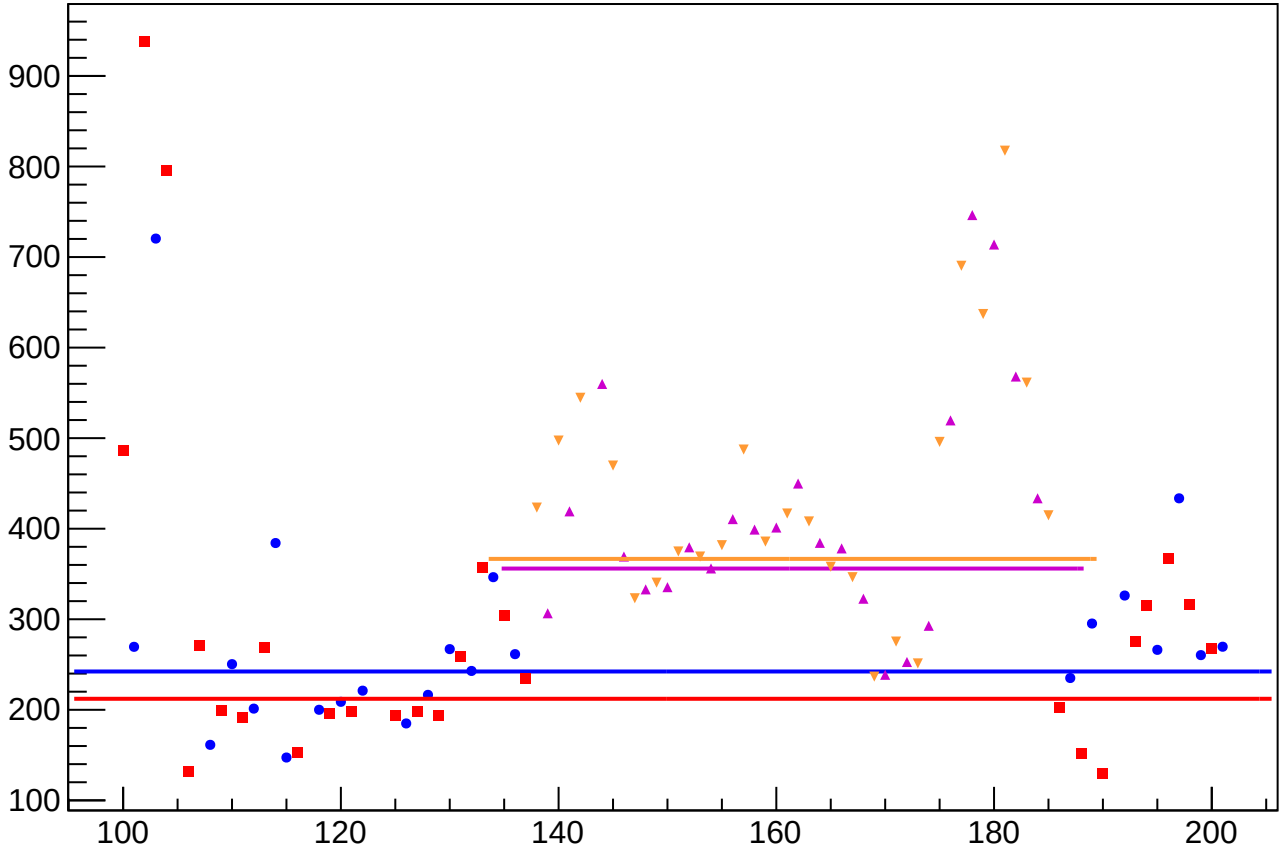
Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.046+/-0.057 χ^2/NDF: 53.7/46

All: 0.005+/-0.039 χ^2/NDF: 121.1/95

- sign 0.047+/-0.052 χ^2/NDF: 65.9/48

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 242.319+/-0.052 χ^2/NDF: 1590547.0/22

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

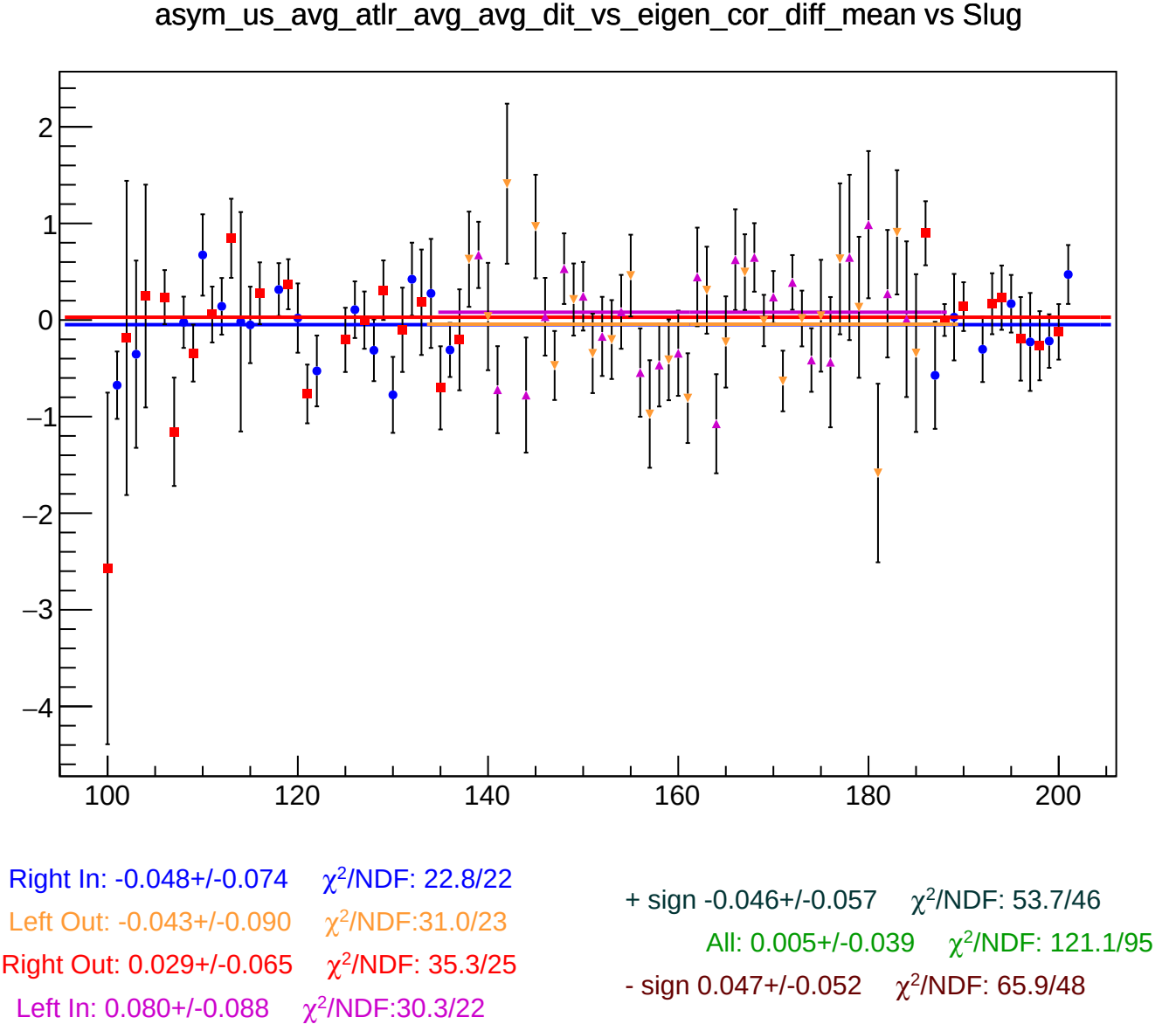
Right Out: 212.169+/-0.046 χ^2/NDF: 2802258.0/25

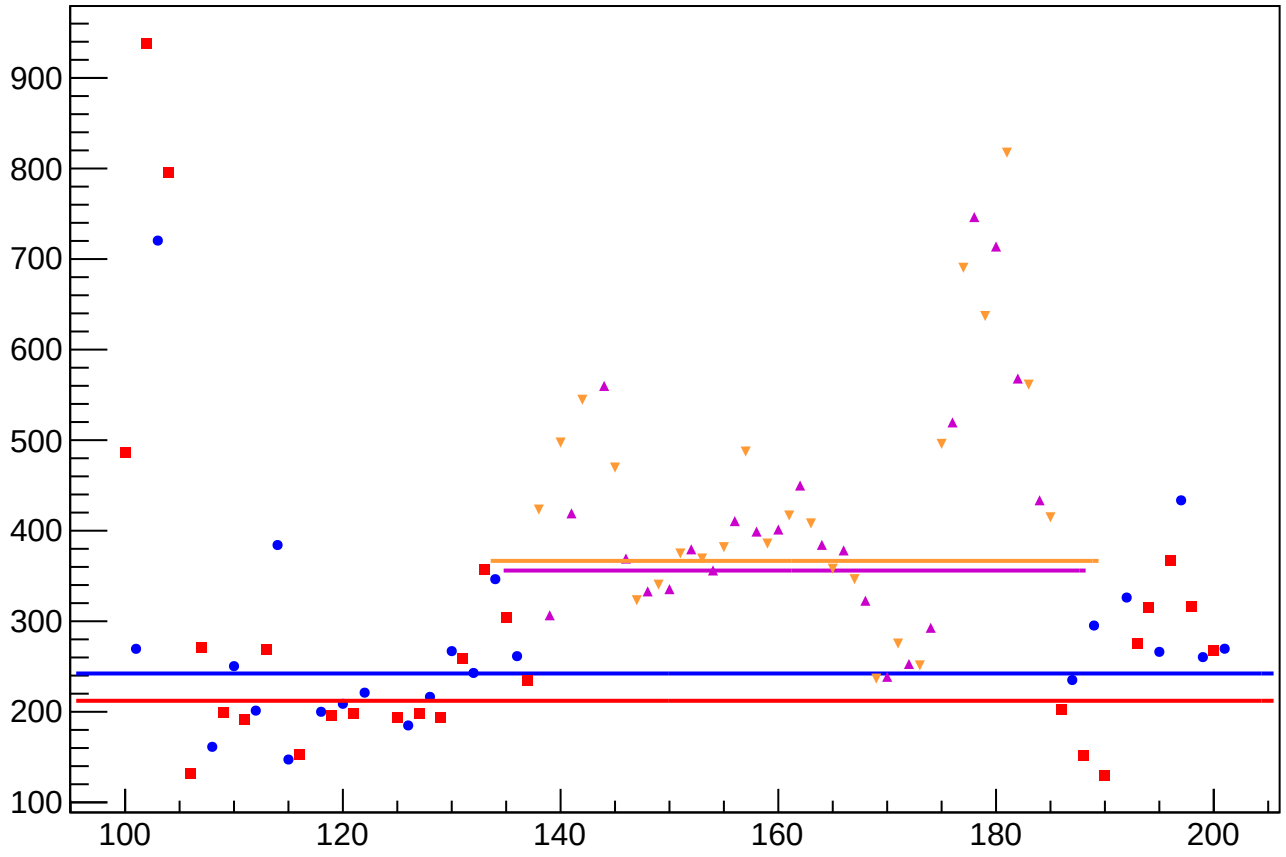
Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.098+/-0.040 χ^2/NDF: 6698269.7/46

All: 276.288+/-0.027 χ^2/NDF: 15669032.1/95

- sign 263.117+/-0.037 χ^2/NDF: 8691007.7/48


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.048+/-0.074 χ²/NDF: 22.8/22
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.029+/-0.065 χ²/NDF: 35.3/25
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.046+/-0.057 χ²/NDF: 53.7/46
All: 0.005+/-0.039 χ²/NDF: 121.1/95
- sign 0.047+/-0.052 χ²/NDF: 65.9/48



Right In: 242.319+/-0.052 χ^2/NDF: 1590547.0/22

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

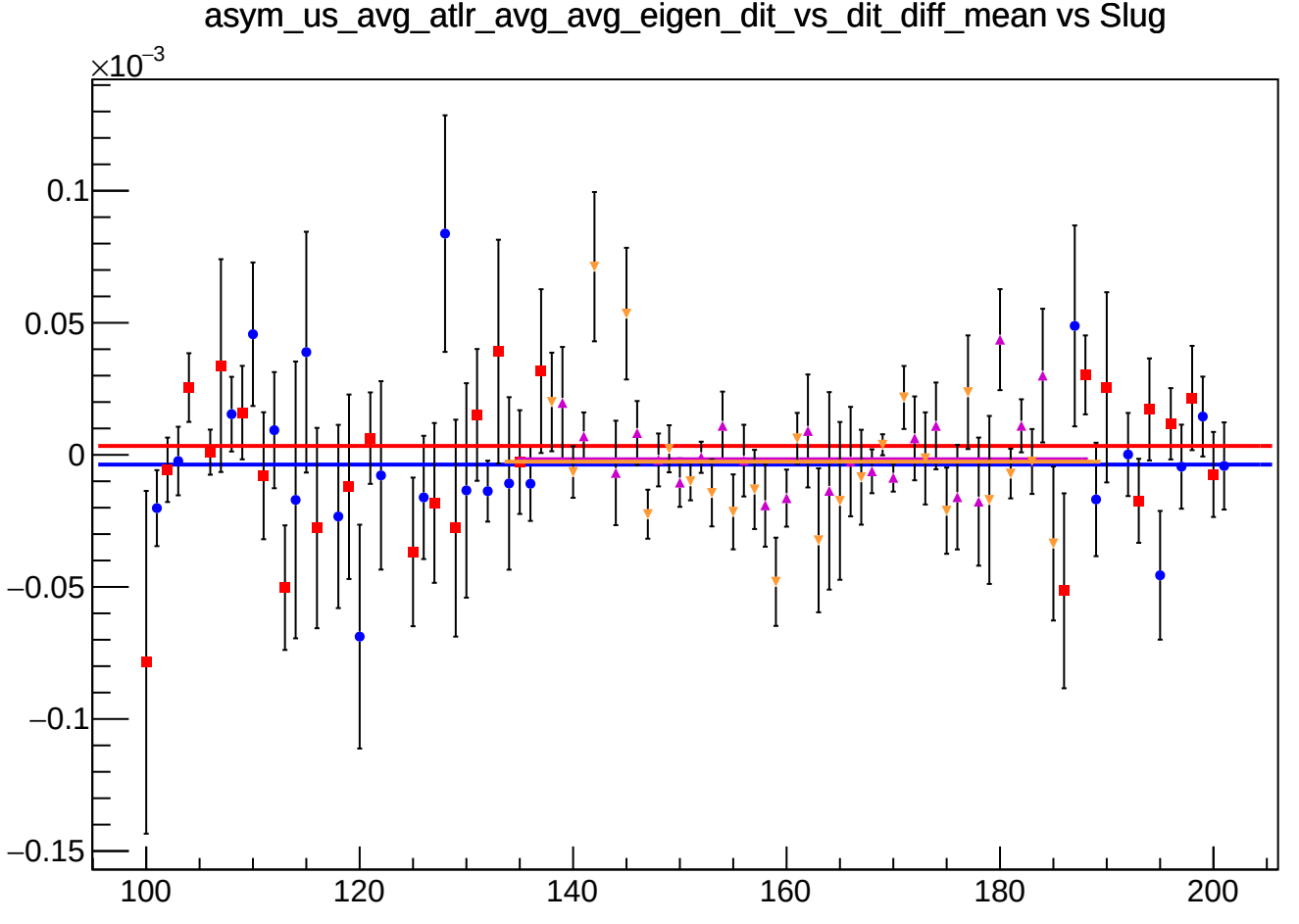
Right Out: 212.169+/-0.046 χ^2/NDF: 2802258.0/25

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.098+/-0.040 χ^2/NDF: 6698269.7/46

All: 276.288+/-0.027 χ^2/NDF: 15669032.1/95

- sign 263.117+/-0.037 χ^2/NDF: 8691007.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

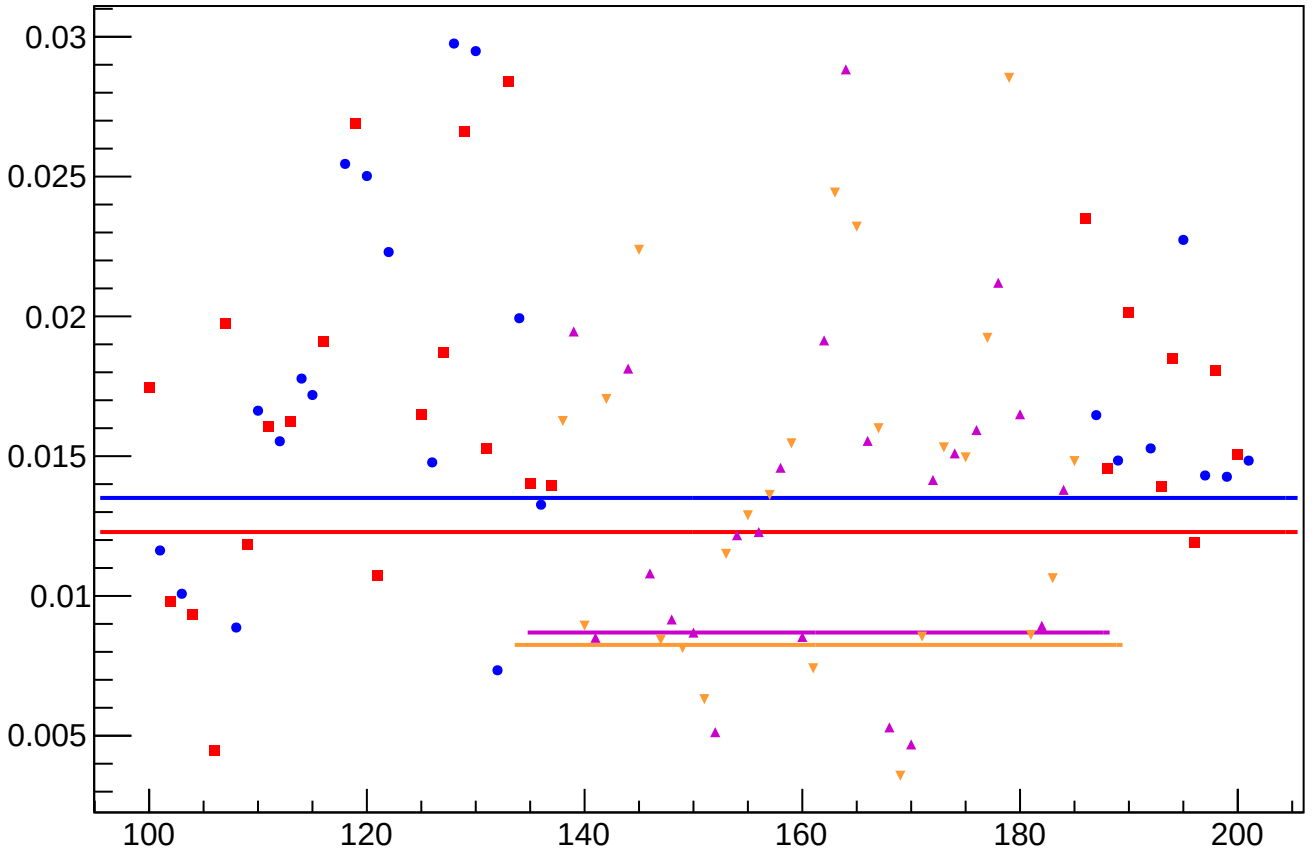
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/25

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: 116.0/95

- sign -0.000+/-0.000 χ^2/NDF: 49.2/48



Right In: 0.014+/-0.000 χ^2/NDF: 2549196.7/22

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

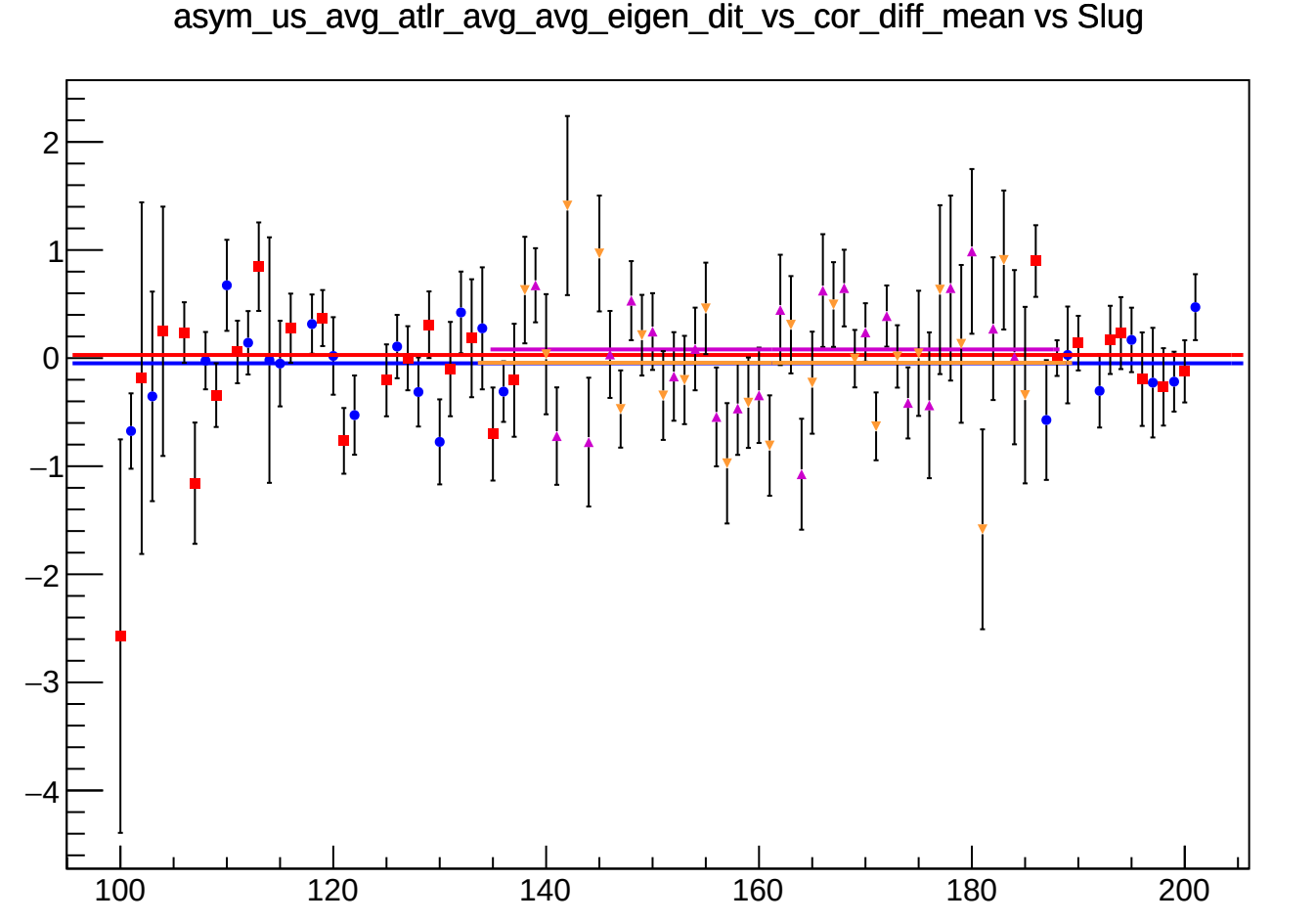
Right Out: 0.012+/-0.000 χ^2/NDF: 3985054.4/25

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: 26144909.5/95

- sign 0.010+/-0.000 χ^2/NDF: 12191146.4/48



Right In: -0.048+/-0.074 χ^2/NDF: 22.8/22

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

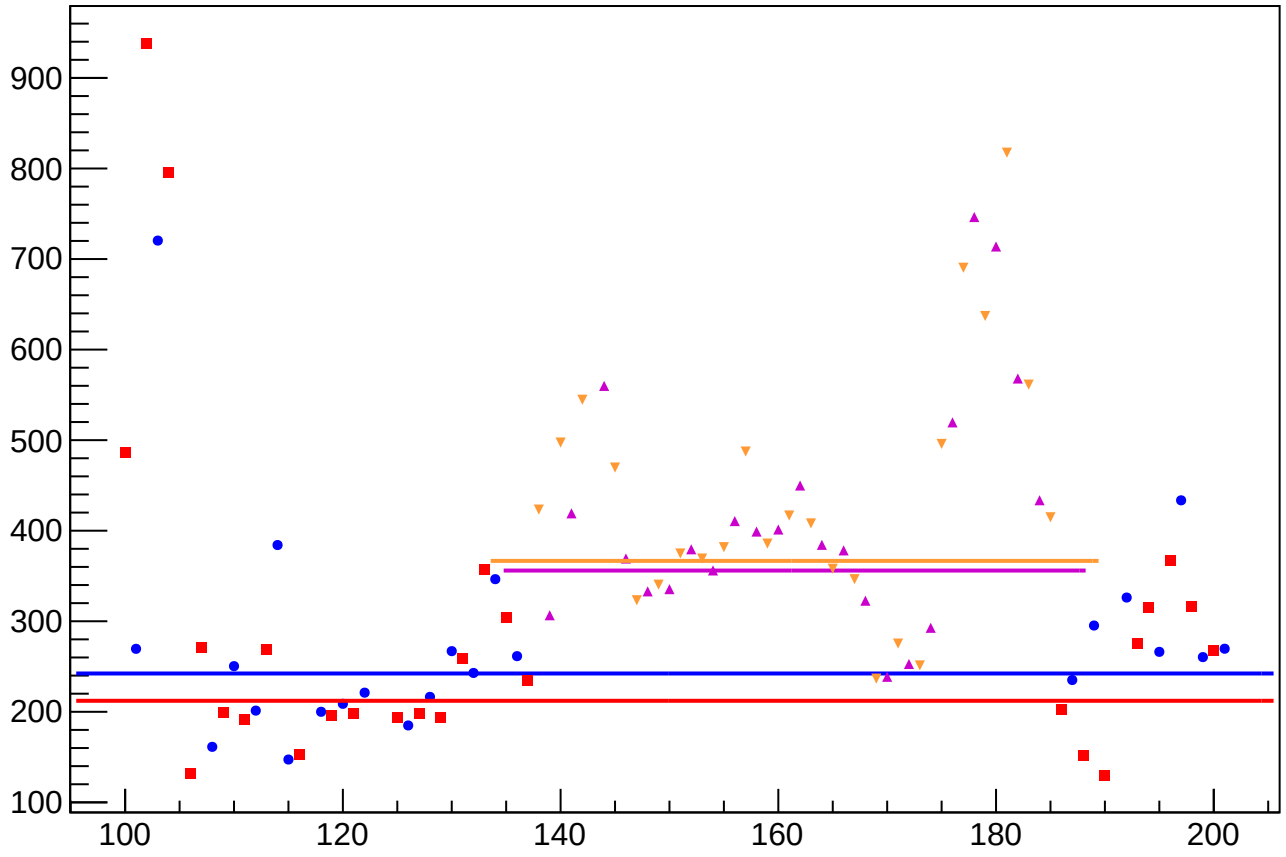
Right Out: 0.029+/-0.065 χ^2/NDF: 35.3/25

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.046+/-0.057 χ^2/NDF: 53.7/46

All: 0.005+/-0.039 χ^2/NDF: 121.1/95

- sign 0.047+/-0.052 χ^2/NDF: 65.9/48



Right In: 242.317+/-0.052 χ^2/NDF: 1590542.2/22

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

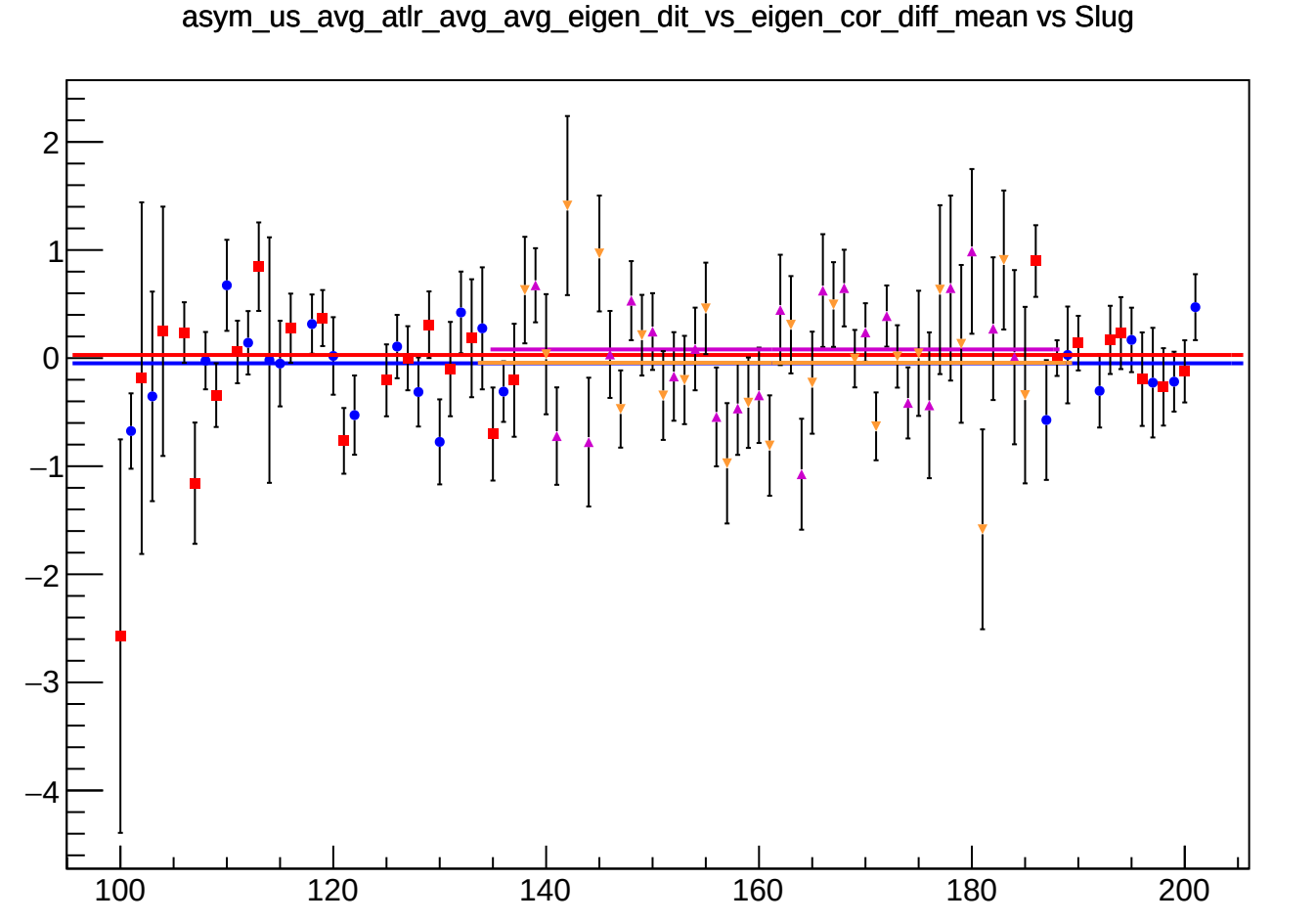
Right Out: 212.166+/-0.046 χ^2/NDF: 2802300.4/25

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.096+/-0.040 χ^2/NDF: 6698546.5/46

All: 276.286+/-0.027 χ^2/NDF: 15669768.4/95

- sign 263.115+/-0.037 χ^2/NDF: 8691436.6/48



Right In: -0.048+/-0.074 χ^2/NDF: 22.8/22

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

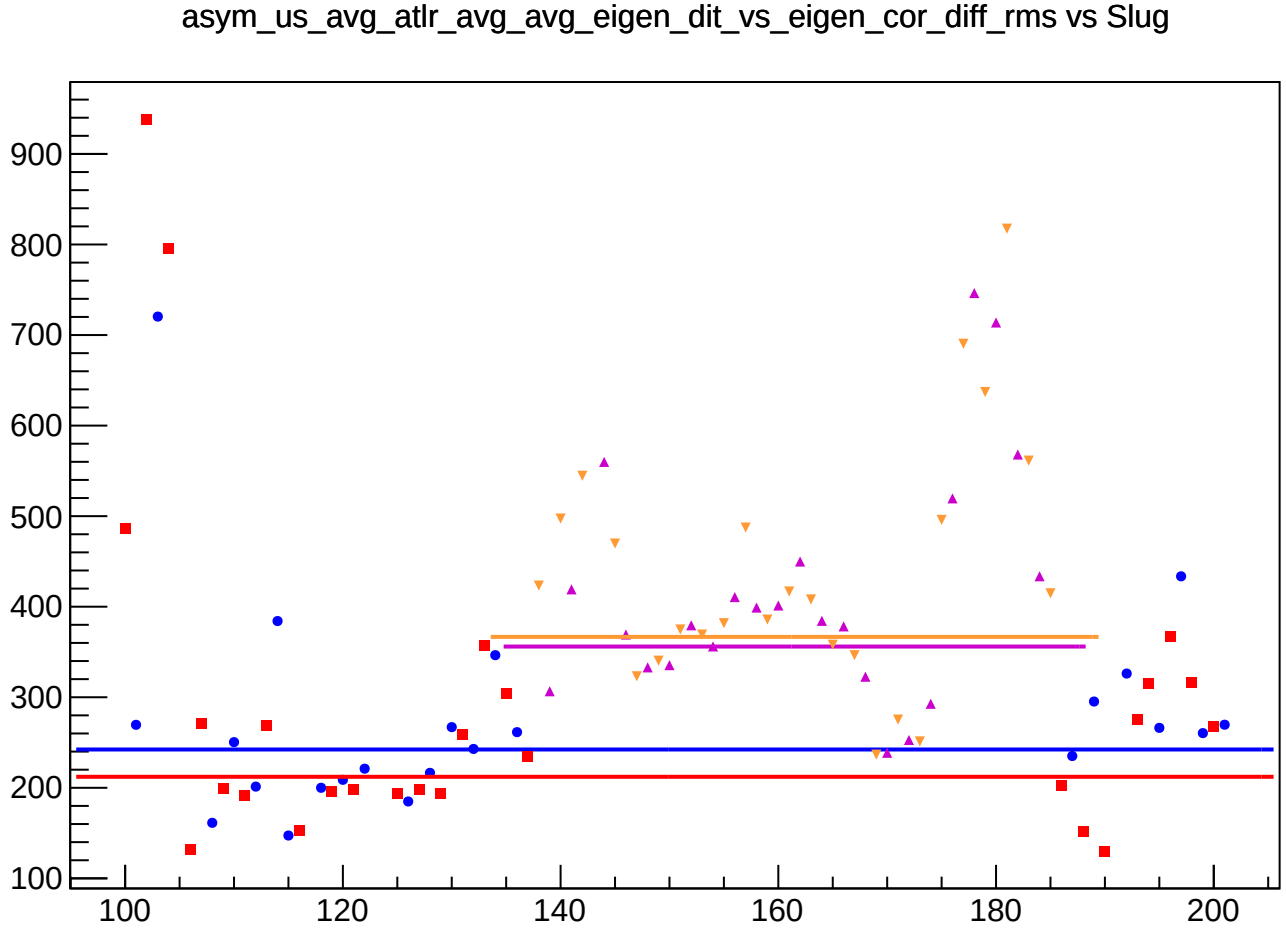
Right Out: 0.029+/-0.065 χ^2/NDF: 35.3/25

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.046+/-0.057 χ^2/NDF: 53.7/46

All: 0.005+/-0.039 χ^2/NDF: 121.1/95

- sign 0.047+/-0.052 χ^2/NDF: 65.9/48



Right In: 242.317+/-0.052 χ^2/NDF: 1590542.2/22

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

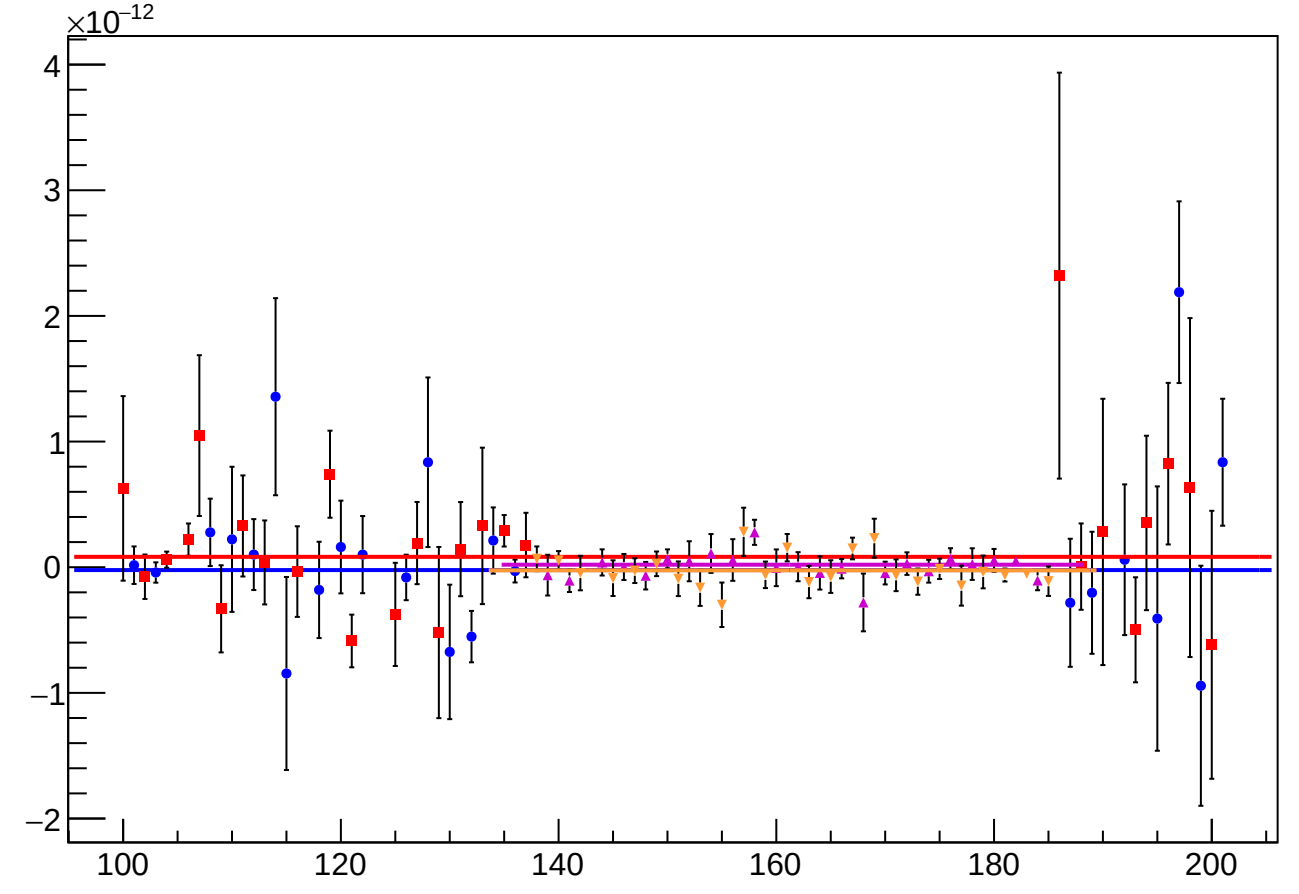
Right Out: 212.166+/-0.046 χ^2/NDF: 2802300.4/25

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.096+/-0.040 χ^2/NDF: 6698546.5/46

All: 276.286+/-0.027 χ^2/NDF: 15669768.4/95

- sign 263.115+/-0.037 χ^2/NDF: 8691436.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 31.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

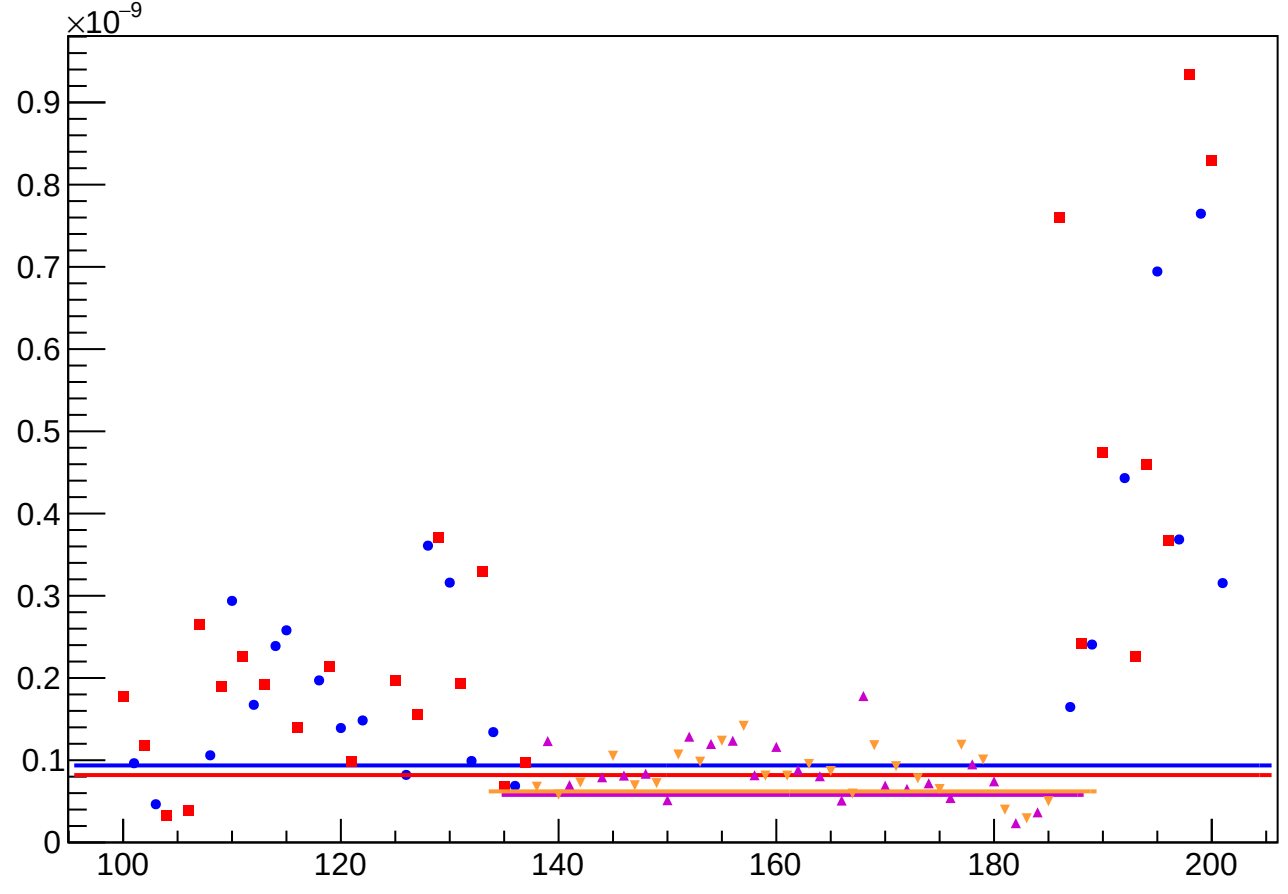
Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/25

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: 108.5/95

- sign 0.000+/-0.000 χ^2/NDF: 50.8/48



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: 7918761.2/25

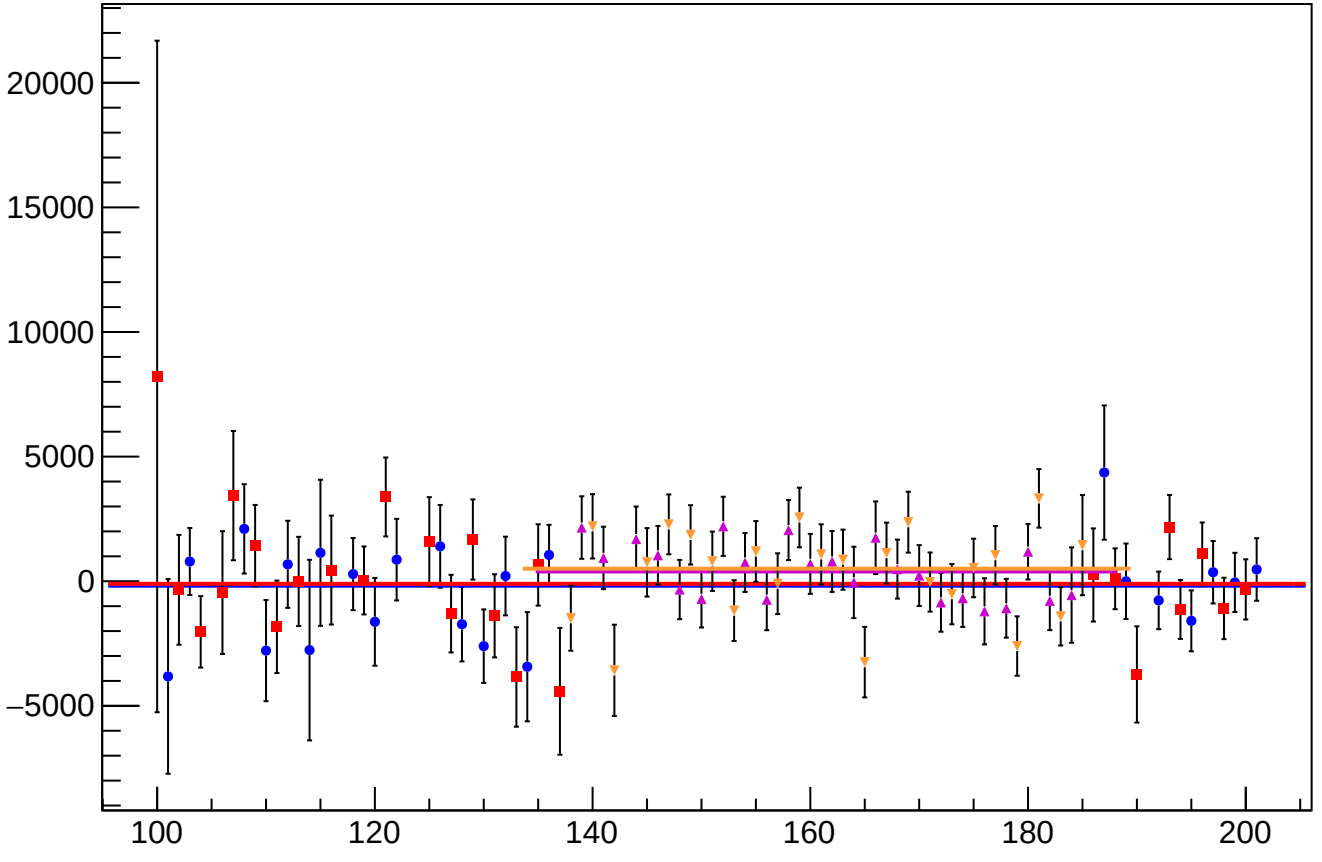
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10437528.7/46

All: 0.000+/-0.000 χ^2/NDF: 24482879.9/95

- sign 0.000+/-0.000 χ^2/NDF: 13953612.6/48

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: -103.930+/-317.729 χ^2/NDF: 29.7/25

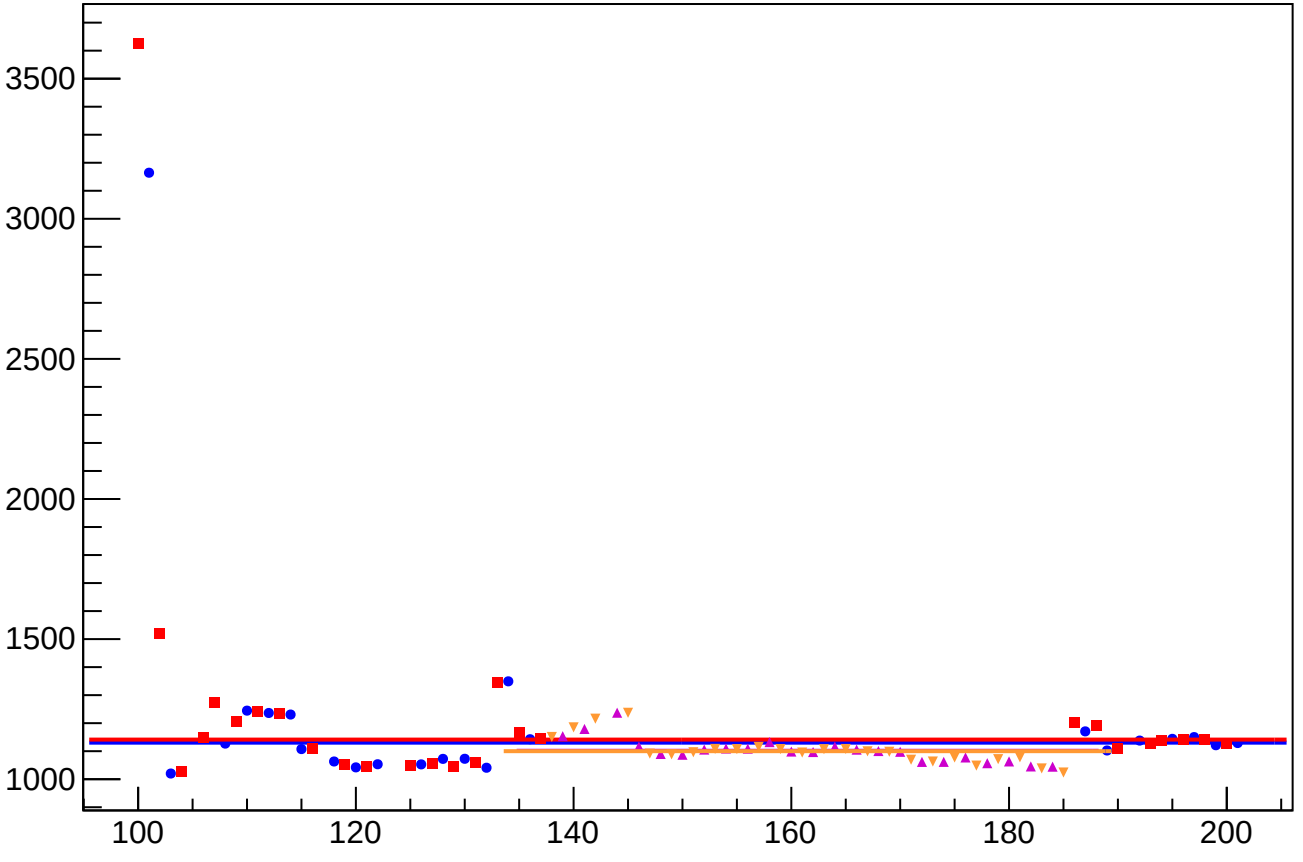
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 244.126+/-201.129 χ^2/NDF: 67.0/46

All: 219.586+/-141.818 χ^2/NDF: 116.0/95

- sign 195.323+/-199.998 χ^2/NDF: 49.0/48

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

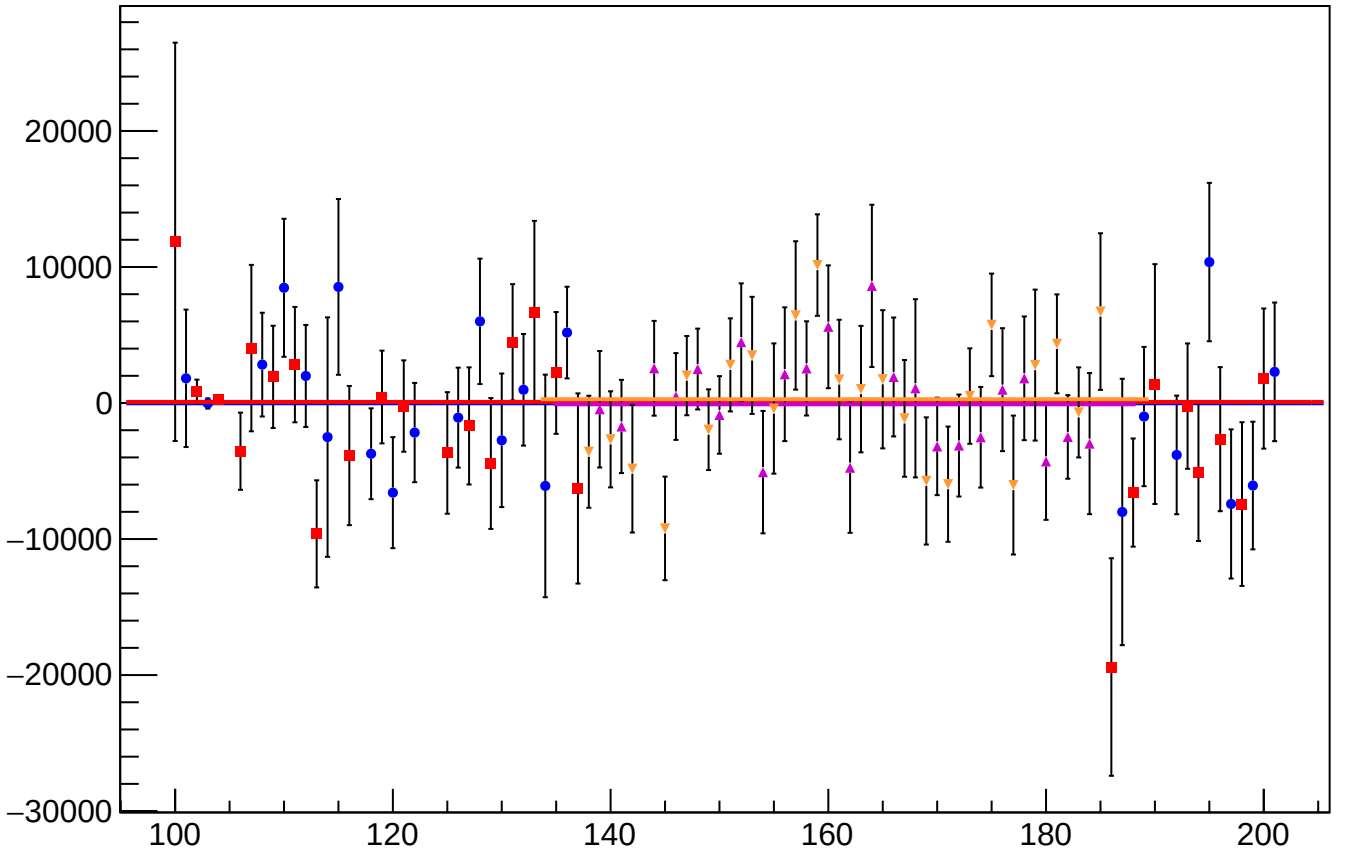
Right Out: 1141.385+/-0.224 χ^2/NDF: 226917.8/25

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.627+/-0.142 χ^2/NDF: 693036.2/46

All: 1114.501+/-0.100 χ^2/NDF: 991935.2/95

- sign 1117.340+/-0.141 χ^2/NDF: 298087.1/48



Right In: -18.755+/-352.113 χ^2/NDF: 23.2/22

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

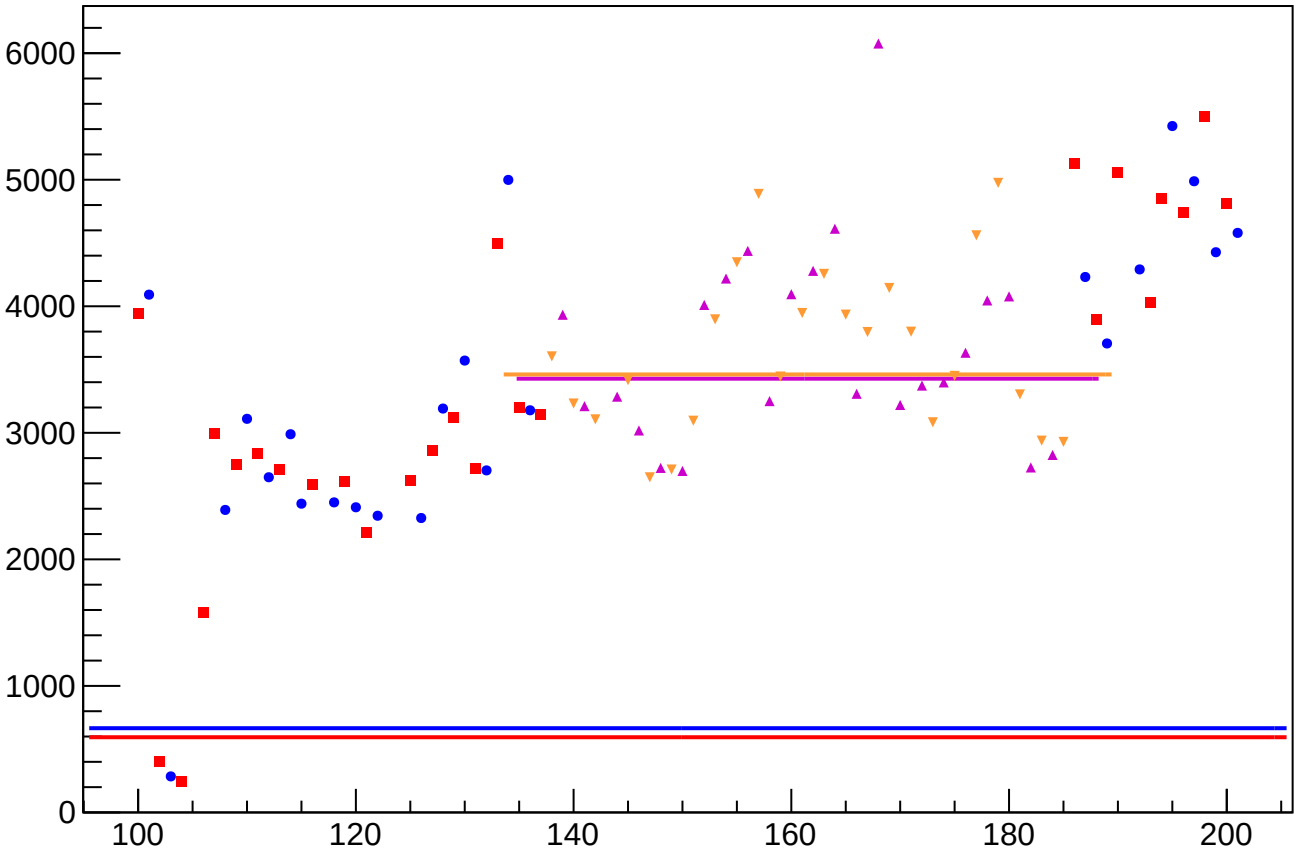
Right Out: 80.458+/-317.968 χ^2/NDF: 27.5/25

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 27.321+/-323.576 χ^2/NDF: 53.2/46

All: 43.693+/-218.535 χ^2/NDF: 94.4/95

- sign 57.424+/-296.328 χ^2/NDF: 41.2/48



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: 594.391+/-0.225 χ^2/NDF: 18393275.1/25

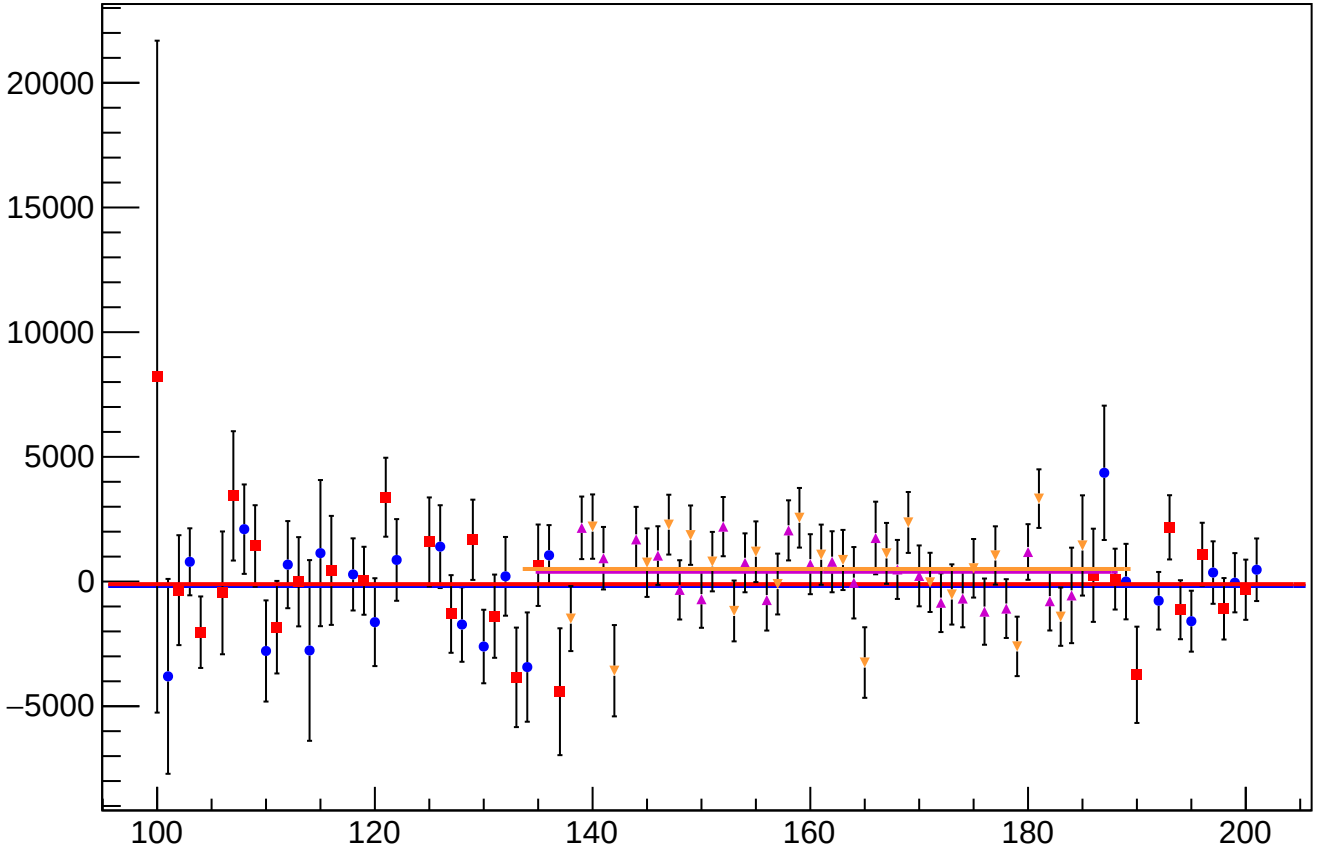
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1100.560+/-0.229 χ^2/NDF: 37974459.5/46

All: 1027.888+/-0.155 χ^2/NDF: 78678016.6/9

- sign 966.940+/-0.210 χ^2/NDF: 40518067.6/48

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: -103.991+/-317.729 χ^2/NDF: 29.7/25

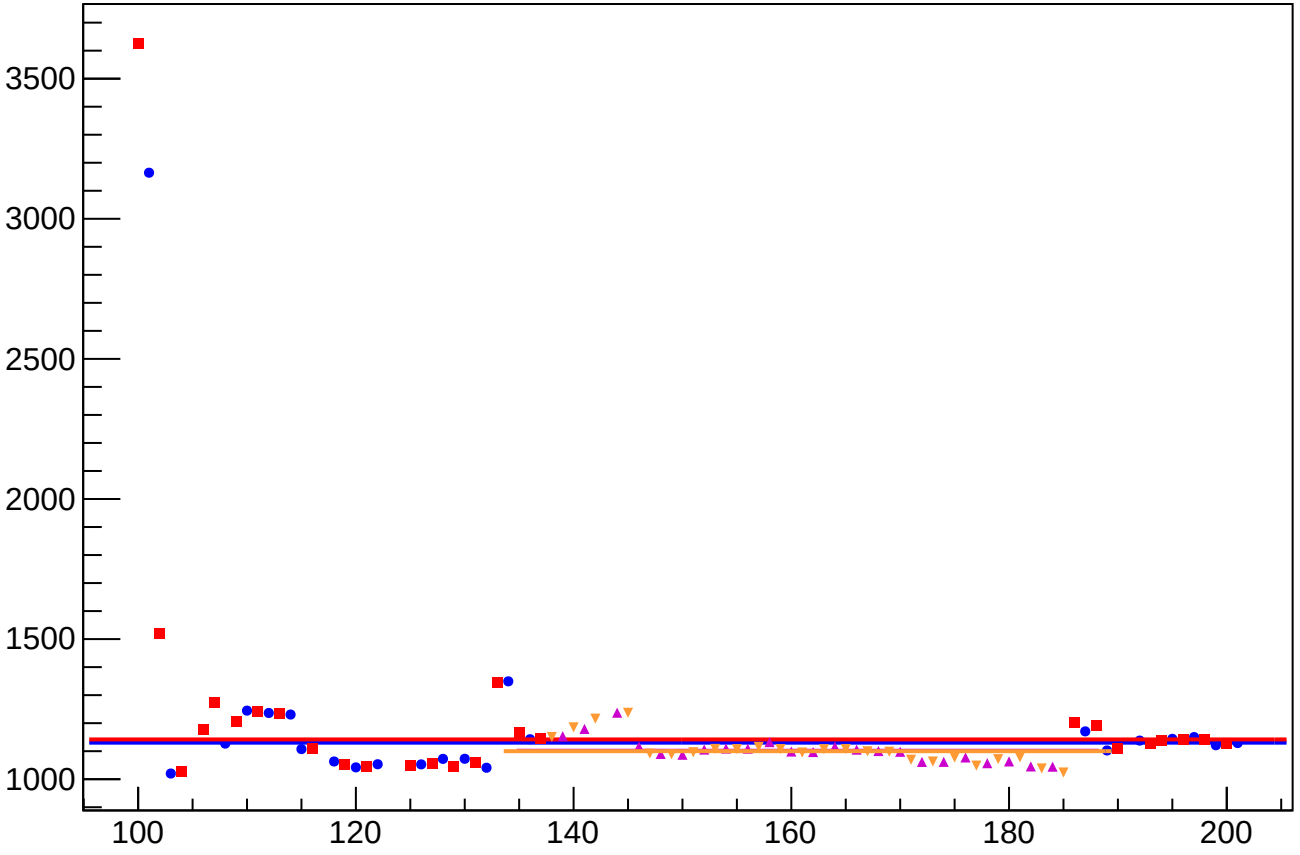
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 244.202+/-201.129 χ^2/NDF: 67.0/46

All: 219.608+/-141.818 χ^2/NDF: 116.0/95

- sign 195.291+/-199.998 χ^2/NDF: 49.0/48

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

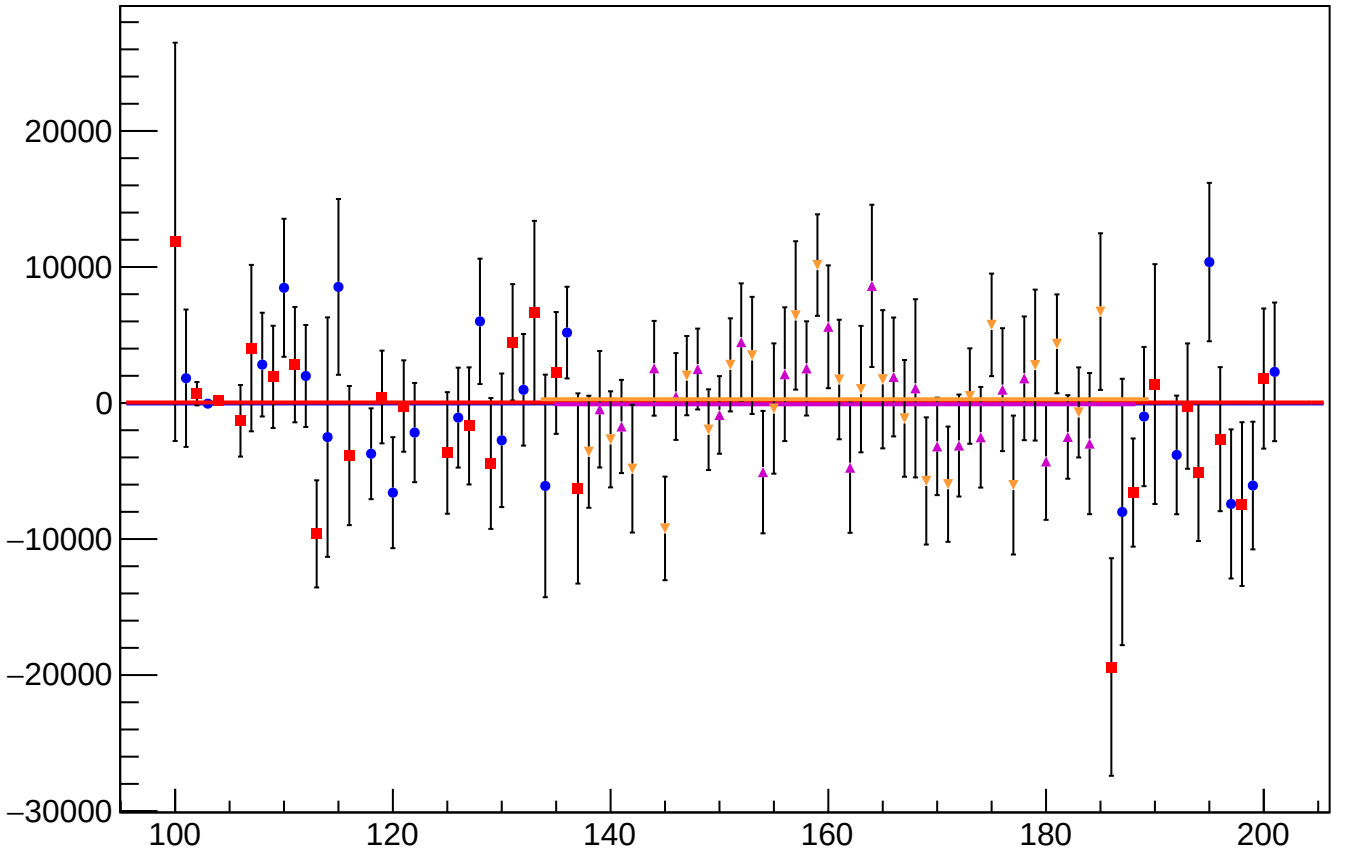
Right Out: 1141.913+/-0.225 χ^2/NDF: 227370.2/25

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.627+/-0.142 χ^2/NDF: 693037.2/46

All: 1114.598+/-0.100 χ^2/NDF: 992935.8/95

- sign 1117.536+/-0.141 χ^2/NDF: 299030.3/48



Right In: -30.942+/-339.566 χ^2/NDF: 23.2/22

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

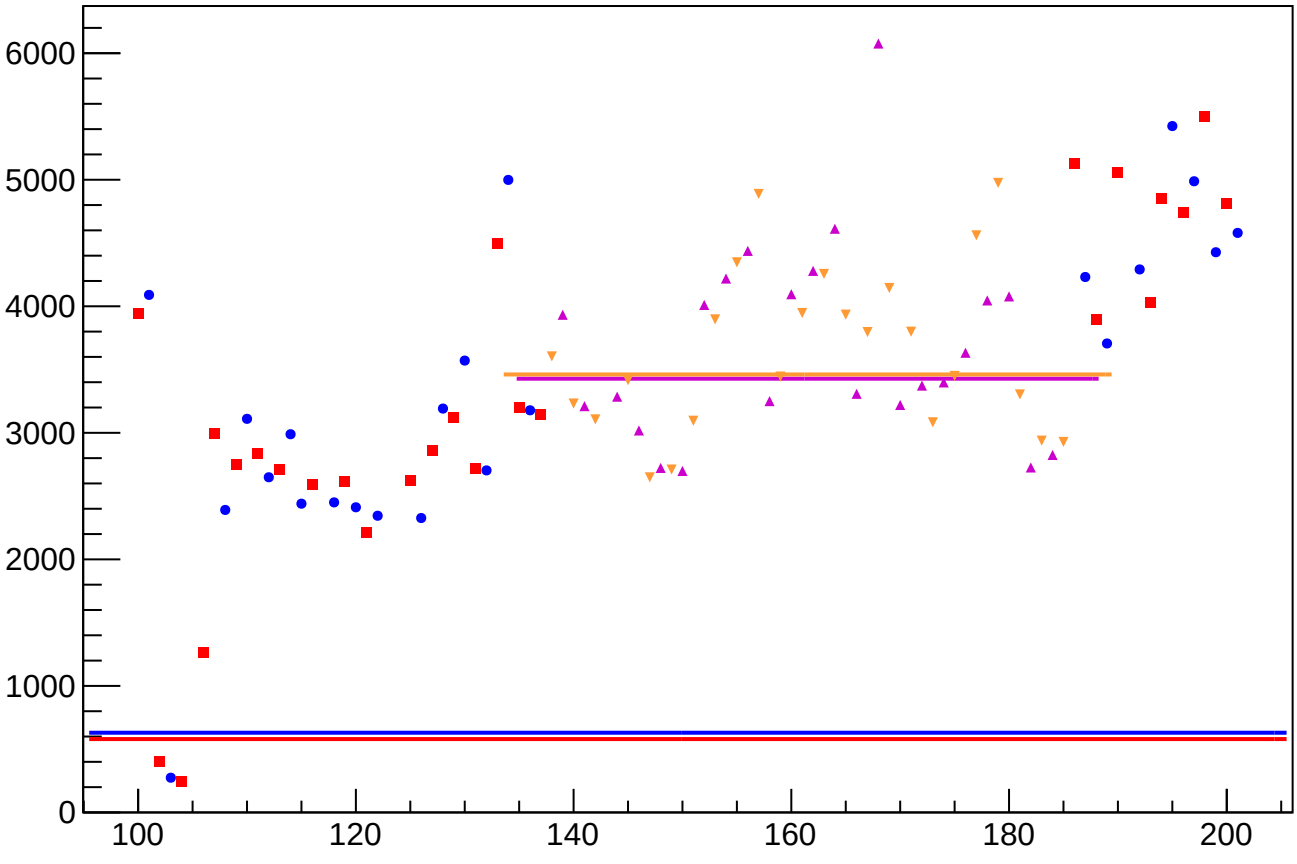
Right Out: 40.042+/-313.004 χ^2/NDF: 25.8/25

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 14.167+/-313.758 χ^2/NDF: 53.2/46

All: 18.788+/-213.871 χ^2/NDF: 92.7/95

- sign 22.799+/-292.298 χ^2/NDF: 39.5/48



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: 579.937+/-0.221 χ^2/NDF: 18374300.4/25

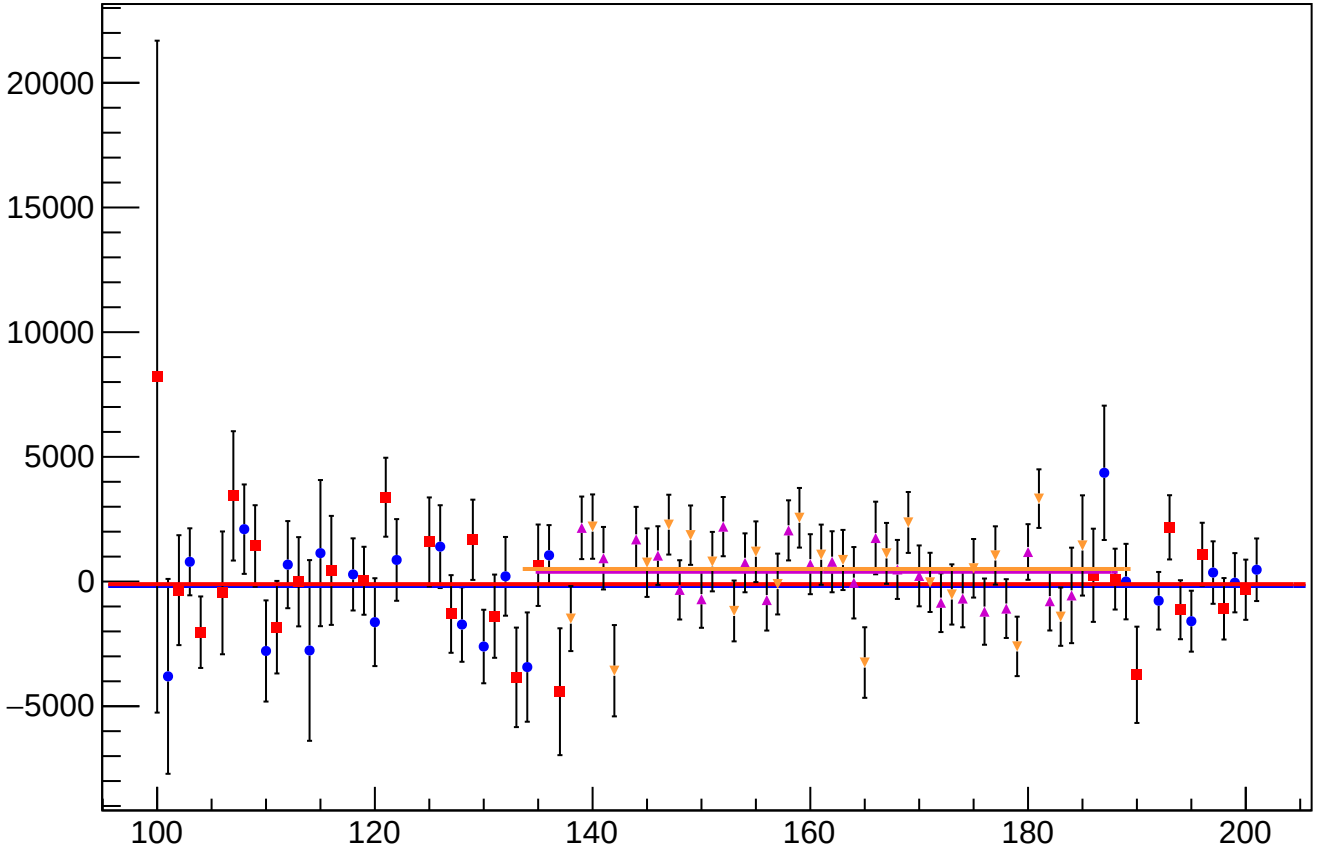
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1044.066+/-0.222 χ^2/NDF: 38975768.3/46

All: 990.639+/-0.151 χ^2/NDF: 79883034.0/95

- sign 944.270+/-0.207 χ^2/NDF: 40798945.1/48

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: -103.991+/-317.729 χ^2/NDF: 29.7/25

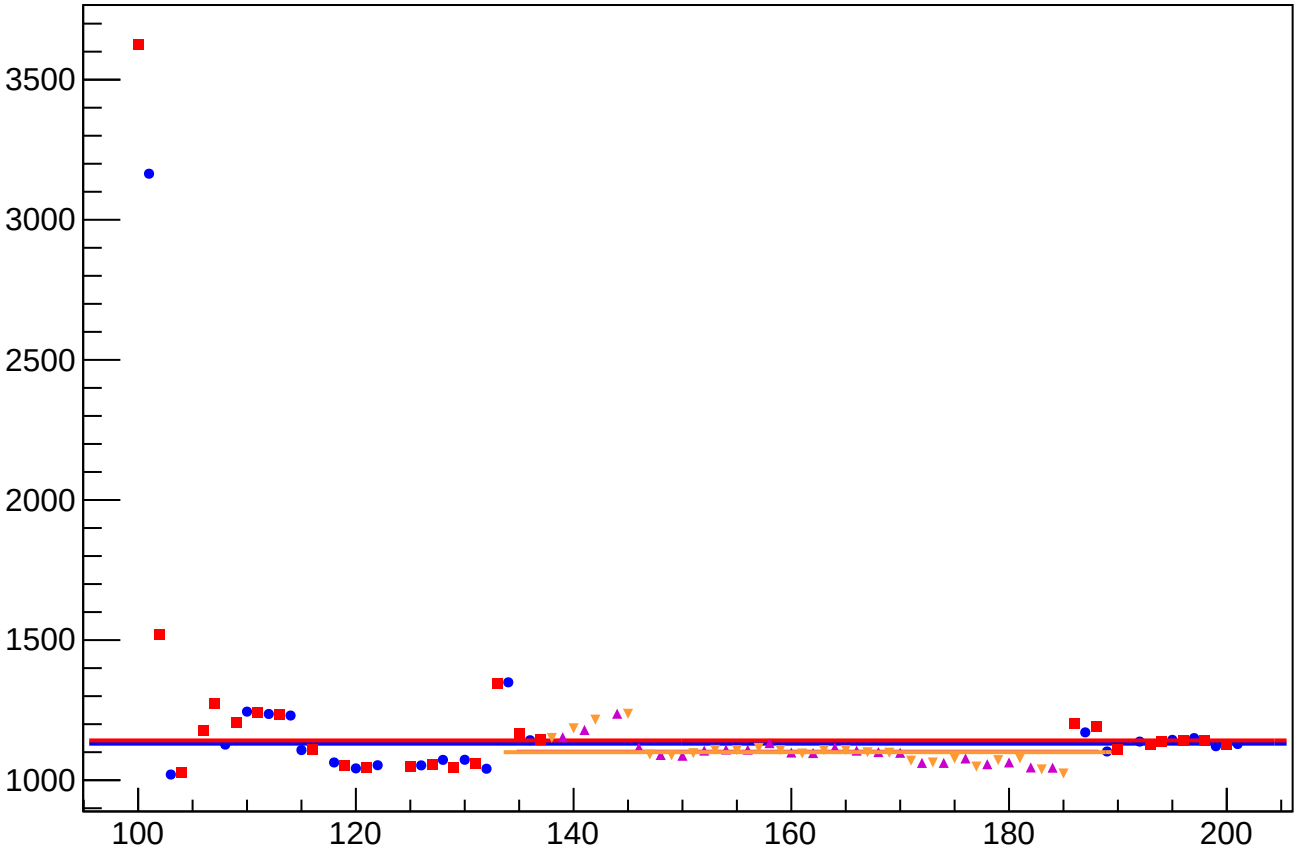
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 244.202+/-201.129 χ^2/NDF: 67.0/46

All: 219.608+/-141.818 χ^2/NDF: 116.0/95

- sign 195.291+/-199.998 χ^2/NDF: 49.0/48

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

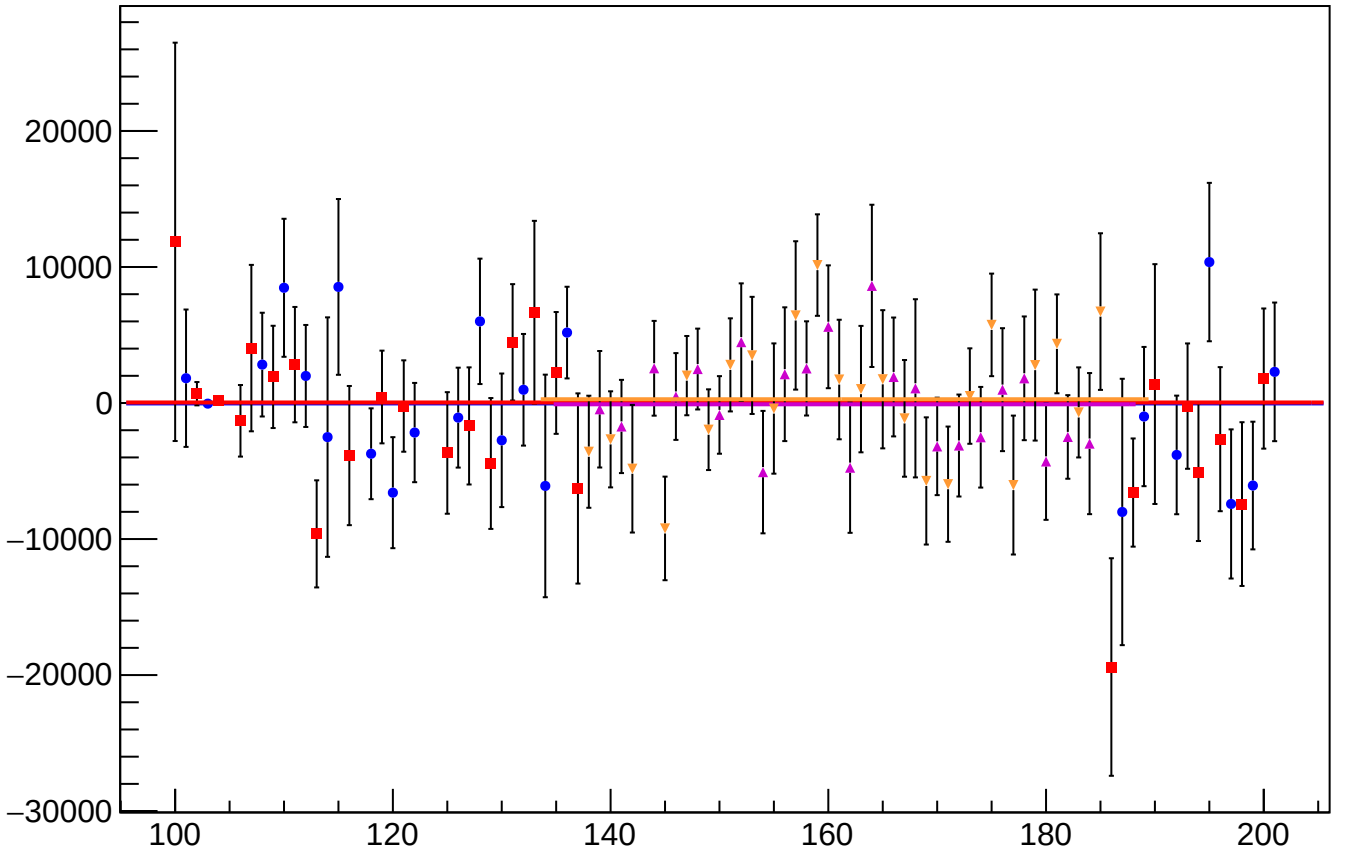
Right Out: 1141.913+/-0.225 χ^2/NDF: 227370.2/25

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1111.627+/-0.142 χ^2/NDF: 693037.2/46

All: 1114.598+/-0.100 χ^2/NDF: 992935.8/95

\- sign 1117.536+/-0.141 χ^2/NDF: 299030.3/48



Right In: -30.942+/-339.566 χ^2/NDF: 23.2/22

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

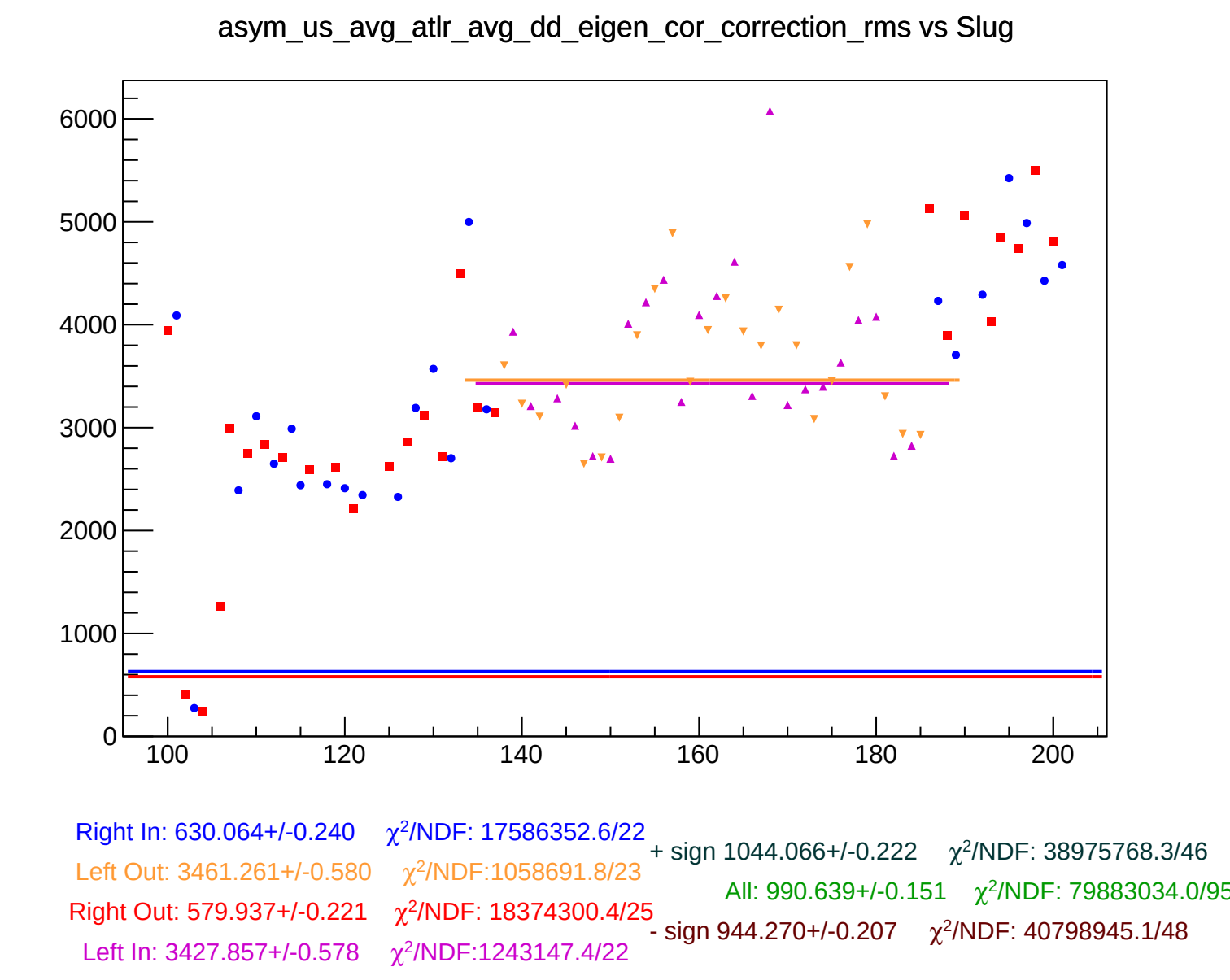
Right Out: 40.042+/-313.004 χ^2/NDF: 25.8/25

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

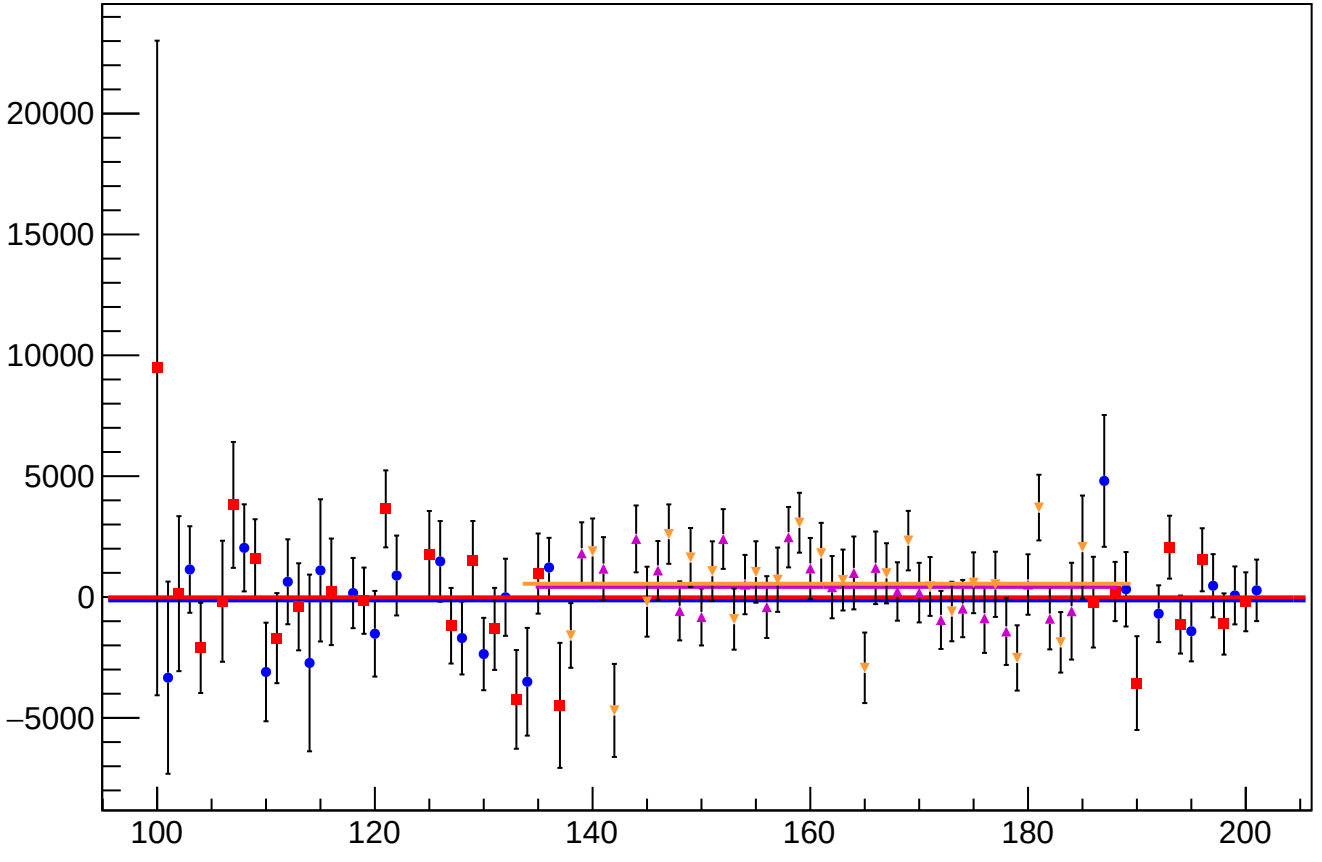
+ sign 14.167+/-313.758 χ^2/NDF: 53.2/46

All: 18.788+/-213.871 χ^2/NDF: 92.7/95

- sign 22.799+/-292.298 χ^2/NDF: 39.5/48


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 630.064+/-0.240 χ²/NDF: 17586352.6/22
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 579.937+/-0.221 χ²/NDF: 18374300.4/25
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
+ sign 1044.066+/-0.222 χ²/NDF: 38975768.3/46
All: 990.639+/-0.151 χ²/NDF: 79883034.0/95
- sign 944.270+/-0.207 χ²/NDF: 40798945.1/48

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: -12.973+/-326.434 χ^2/NDF: 30.7/25

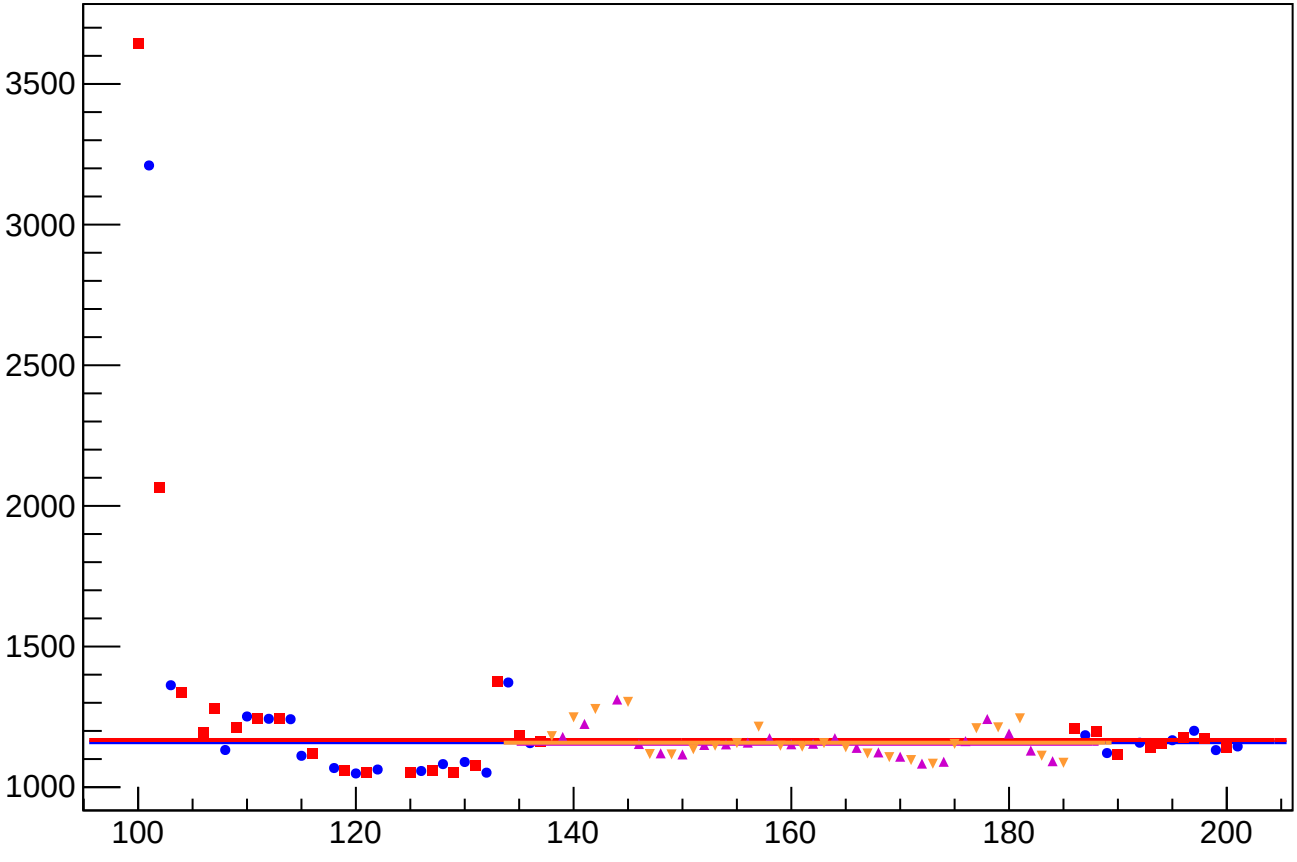
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 280.428+/-209.778 χ^2/NDF: 67.1/46

All: 262.494+/-147.692 χ^2/NDF: 116.9/95

- sign 244.868+/-207.970 χ^2/NDF: 49.7/48

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

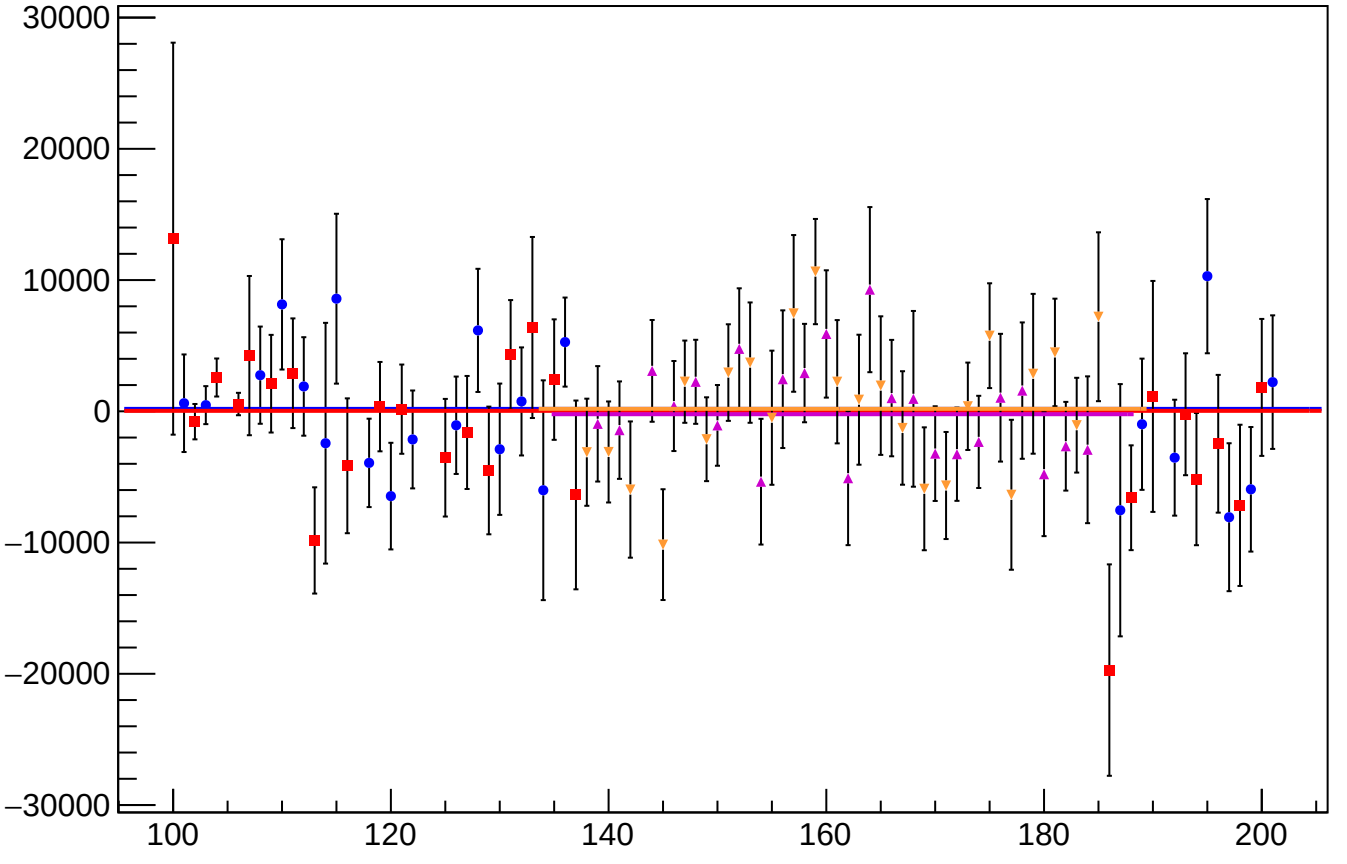
Right Out: 1167.785+/-0.231 χ^2/NDF: 337610.7/25

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1158.861+/-0.148 χ^2/NDF: 724375.0/46

All: 1159.302+/-0.104 χ^2/NDF: 1130529.5/95

- sign 1159.734+/-0.147 χ^2/NDF: 406137.1/48



Right In: 184.747+/-802.106 χ^2/NDF: 22.9/22

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

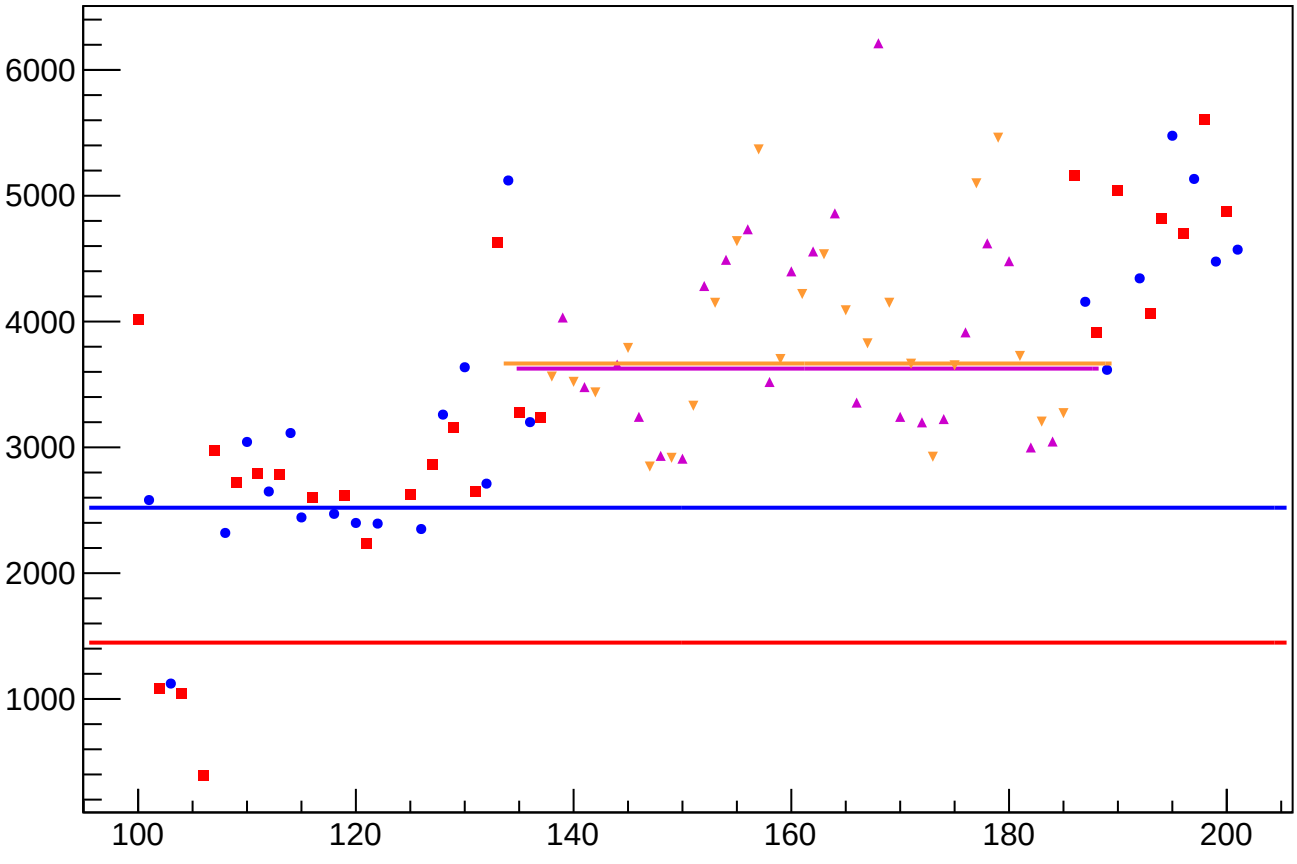
Right Out: 35.725+/-542.381 χ^2/NDF: 28.7/25

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 187.041+/-589.541 χ^2/NDF: 52.2/46

All: 47.755+/-362.411 χ^2/NDF: 94.4/95

- sign -36.854+/-459.485 χ^2/NDF: 42.1/48



Right In: 2520.286+/-0.567 χ^2/NDF: 4436381.4/22

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

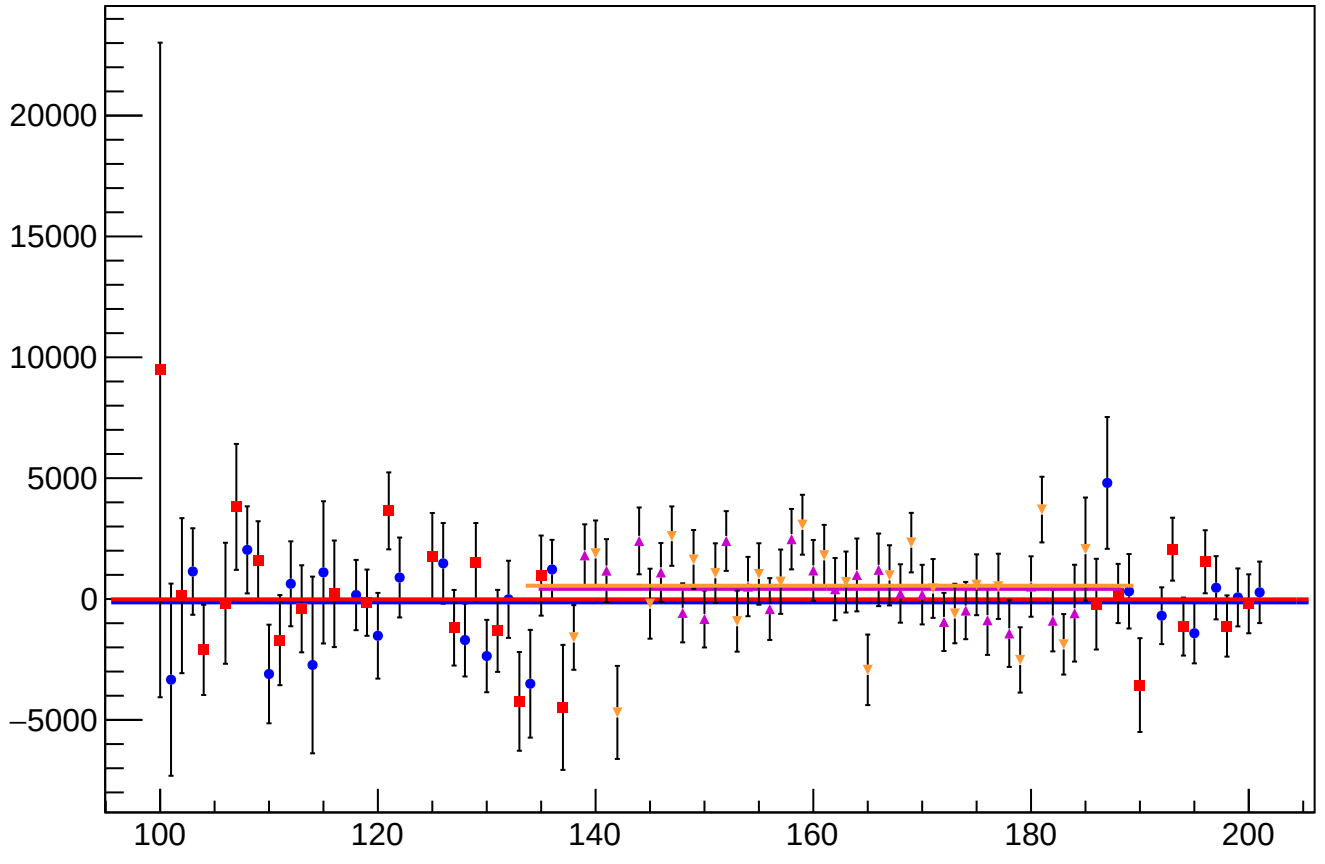
Right Out: 1448.005+/-0.384 χ^2/NDF: 11894793.4/25

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3047.317+/-0.417 χ^2/NDF: 7410151.6/46

All: 2434.892+/-0.256 χ^2/NDF: 33136506.1/9

- sign 2062.872+/-0.325 χ^2/NDF: 22257019.2/48



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: -12.971+/-326.434 χ^2/NDF: 30.7/25

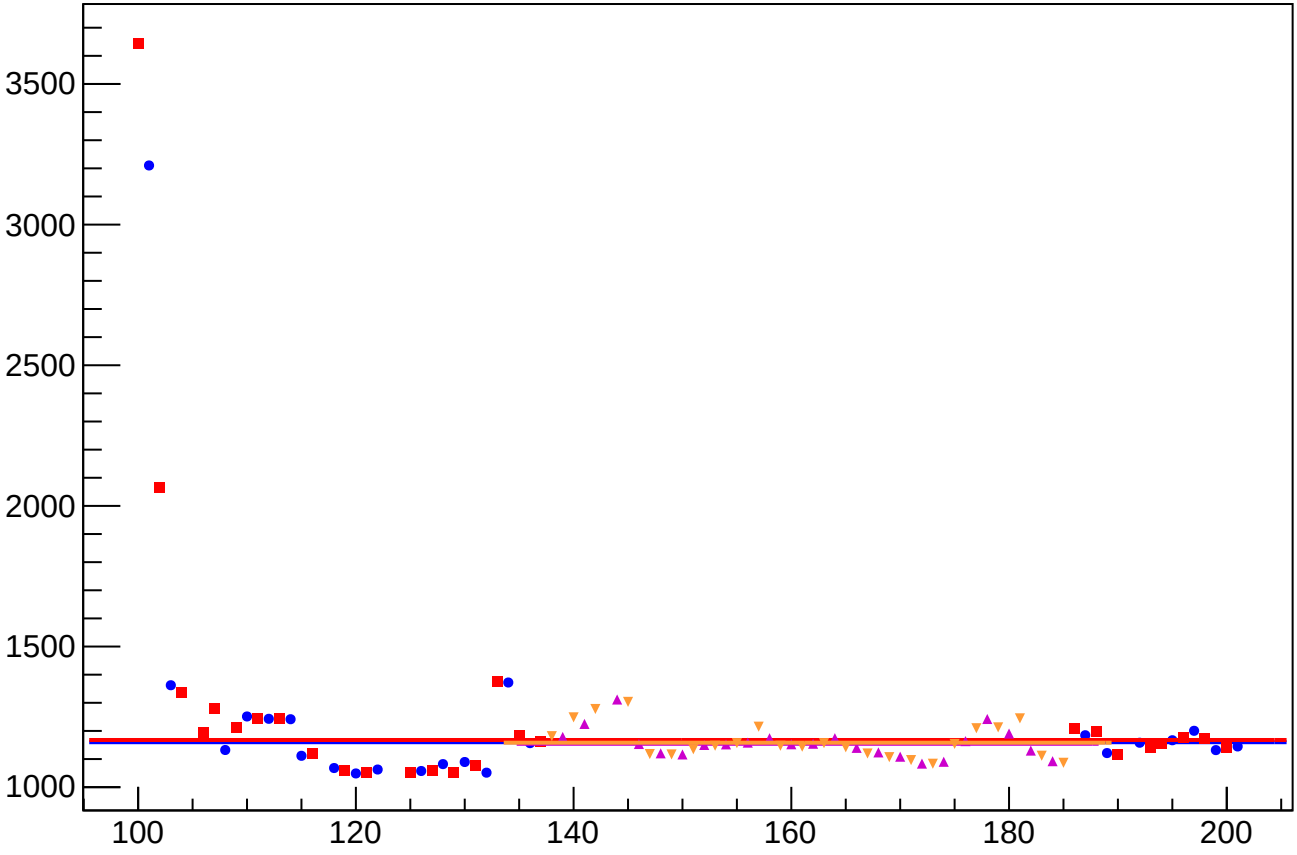
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 280.429+/-209.778 χ^2/NDF: 67.1/46

All: 262.495+/-147.692 χ^2/NDF: 116.9/95

- sign 244.868+/-207.970 χ^2/NDF: 49.7/48

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

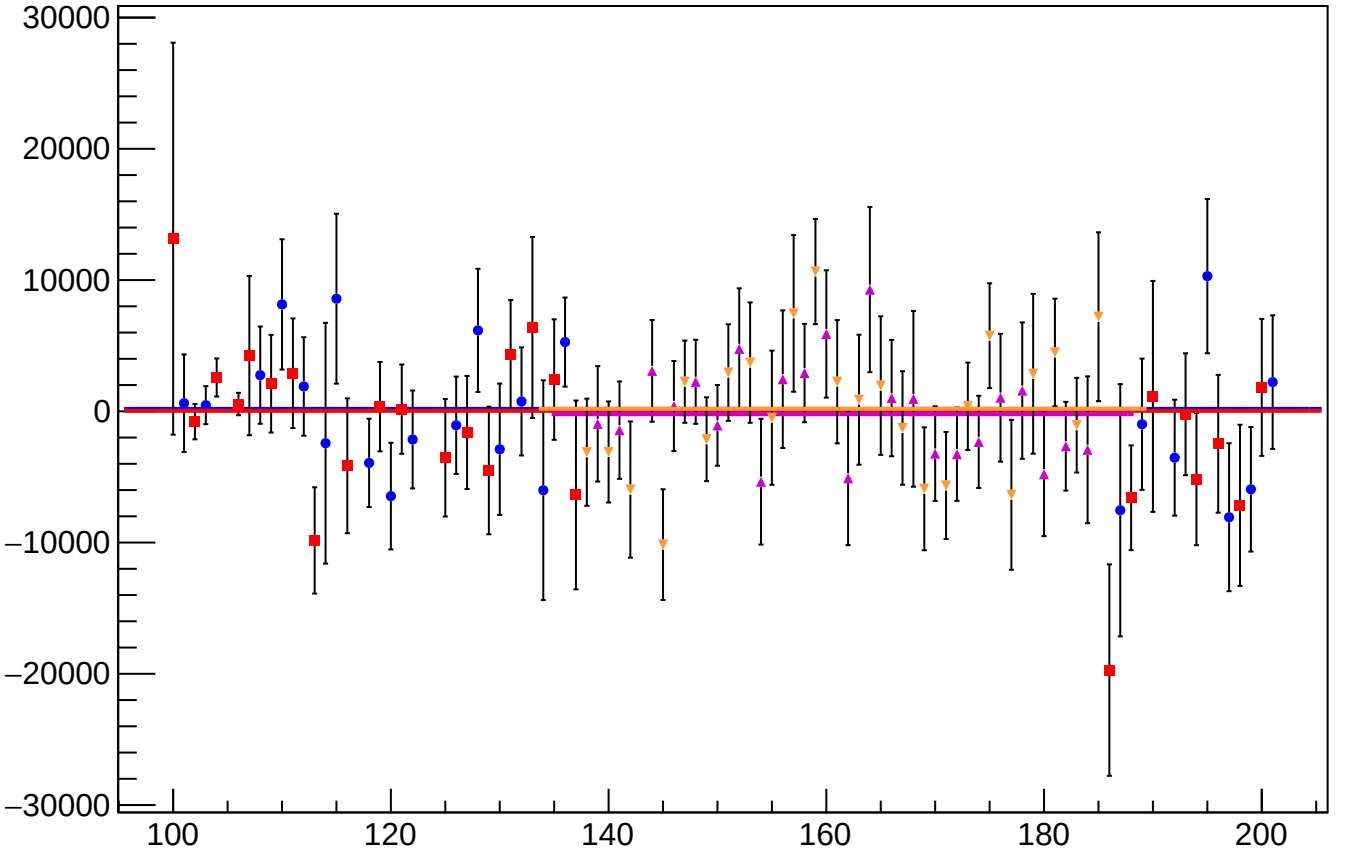
Right Out: 1167.786+/-0.231 χ^2/NDF: 337610.4/25

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1158.862+/-0.148 χ^2/NDF: 724377.7/46

All: 1159.302+/-0.104 χ^2/NDF: 1130534.1/95

- sign 1159.735+/-0.147 χ^2/NDF: 406138.9/48



Right In: 184.743+/-802.105 χ^2/NDF: 22.9/22

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

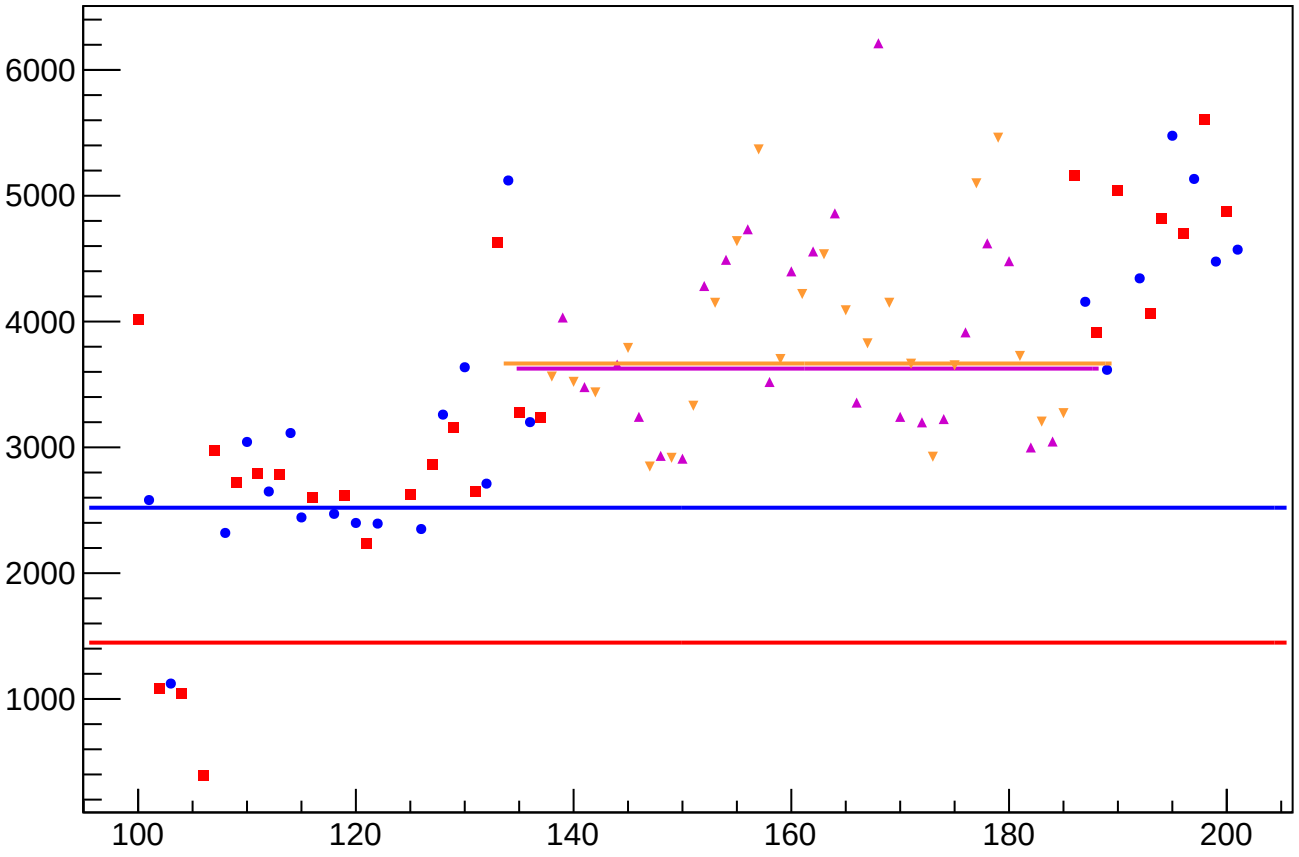
Right Out: 35.735+/-542.375 χ^2/NDF: 28.7/25

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 187.038+/-589.541 χ^2/NDF: 52.2/46

All: 47.758+/-362.410 χ^2/NDF: 94.4/95

- sign -36.847+/-459.481 χ^2/NDF: 42.1/48



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: 1447.978+/-0.384 χ^2/NDF: 11895016.9/25

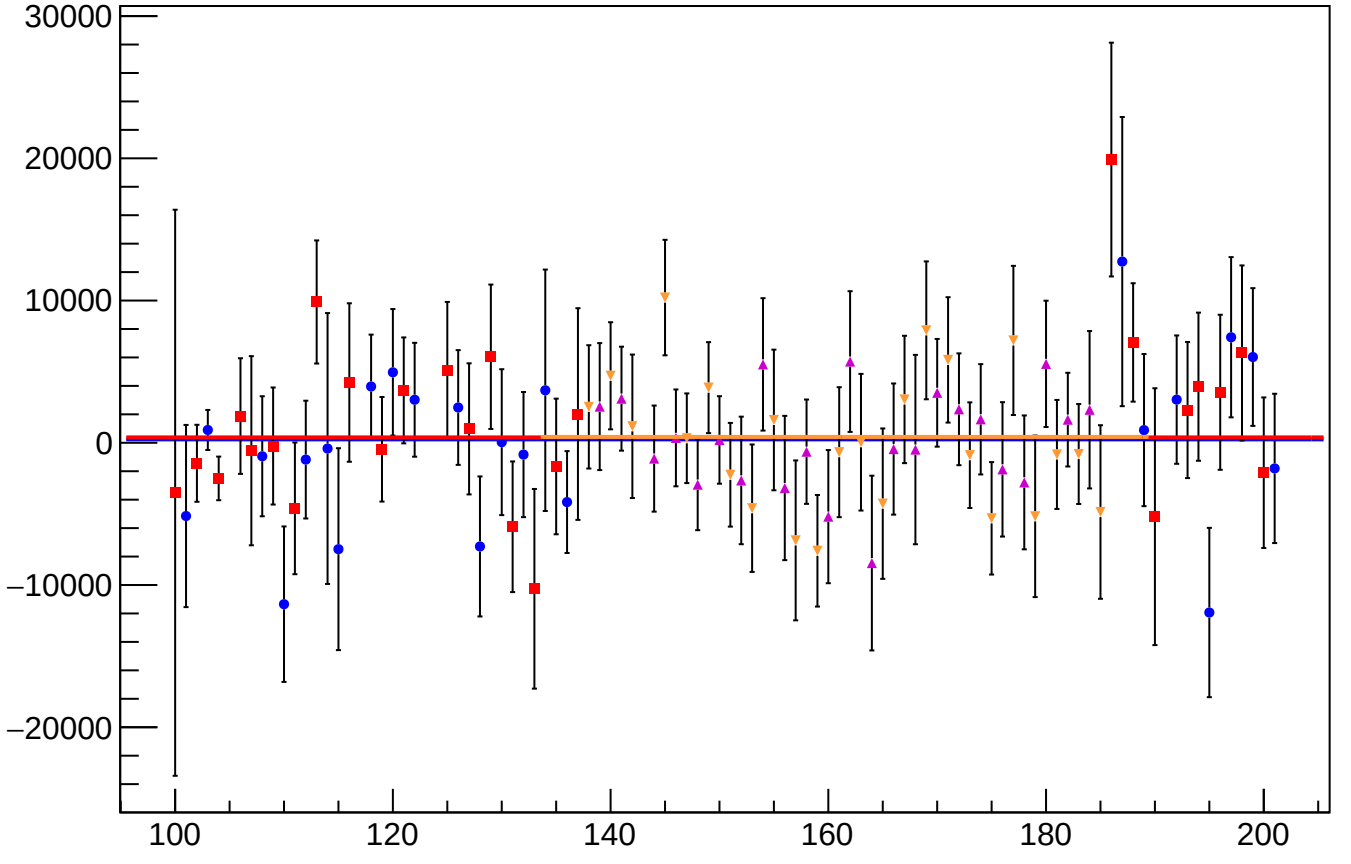
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3047.316+/-0.417 χ^2/NDF: 7410193.1/46

All: 2434.870+/-0.256 χ^2/NDF: 33137303.5/9

- sign 2062.842+/-0.325 χ^2/NDF: 22257555.8/48

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

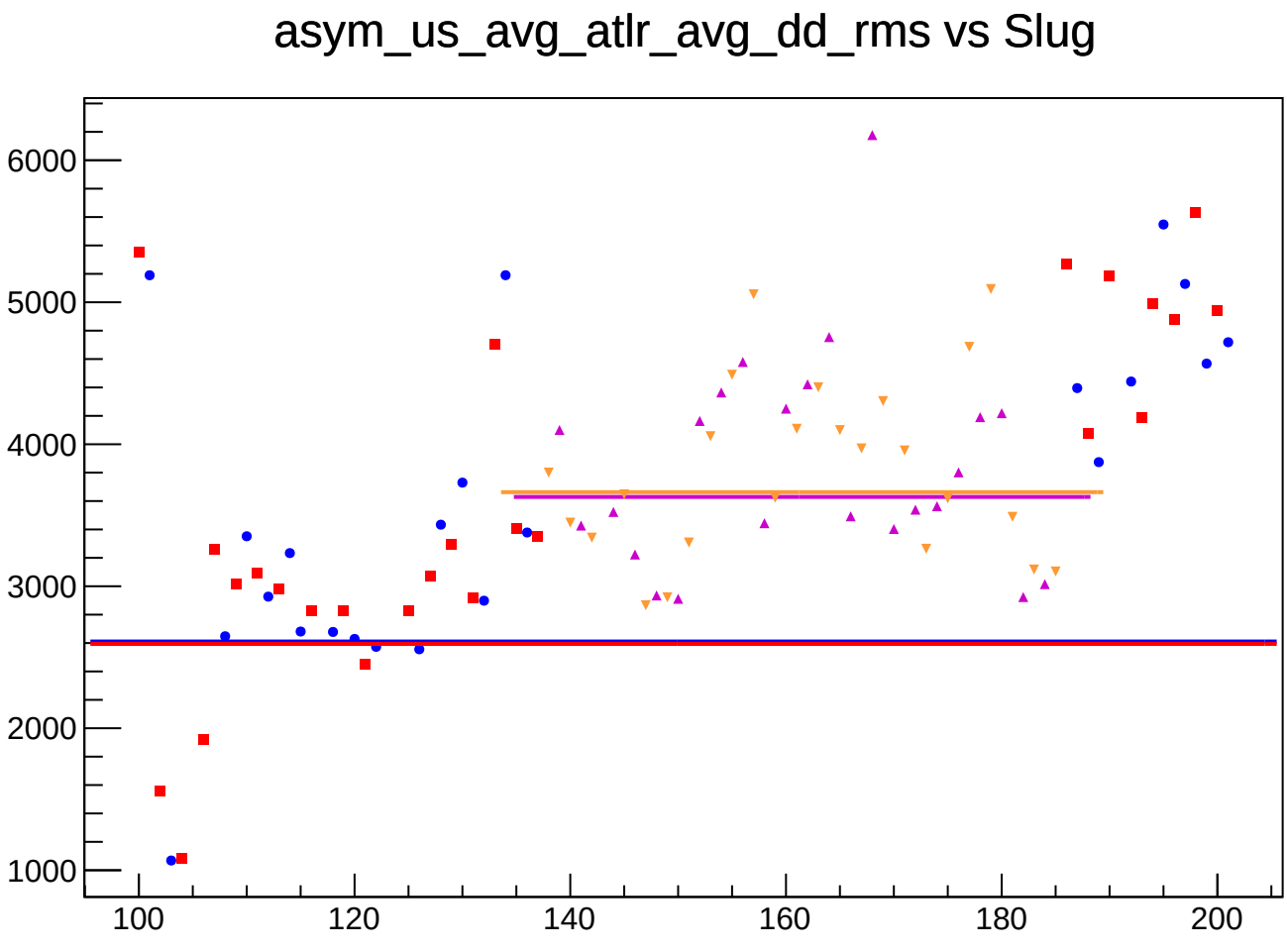
Right Out: 377.883+/-815.239 χ^2/NDF: 28.9/25

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 324.533+/-603.295 χ^2/NDF: 50.3/46

All: 357.856+/-422.705 χ^2/NDF: 91.5/95

- sign 389.992+/-592.444 χ^2/NDF: 41.2/48



Right In: 2610.838+/-0.595 χ^2/NDF: 5255360.6/22

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

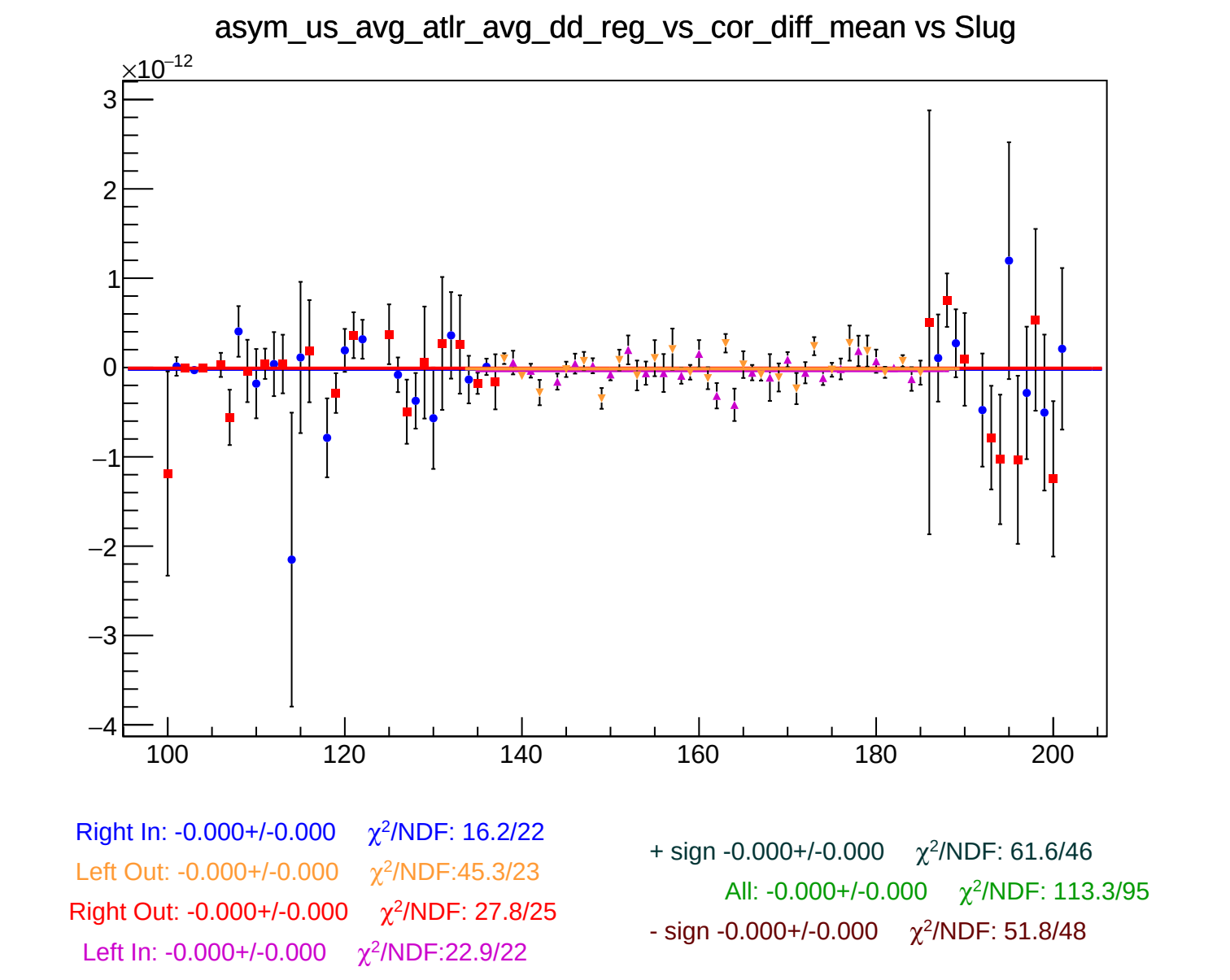
Right Out: 2593.797+/-0.575 χ^2/NDF: 5272680.3/25

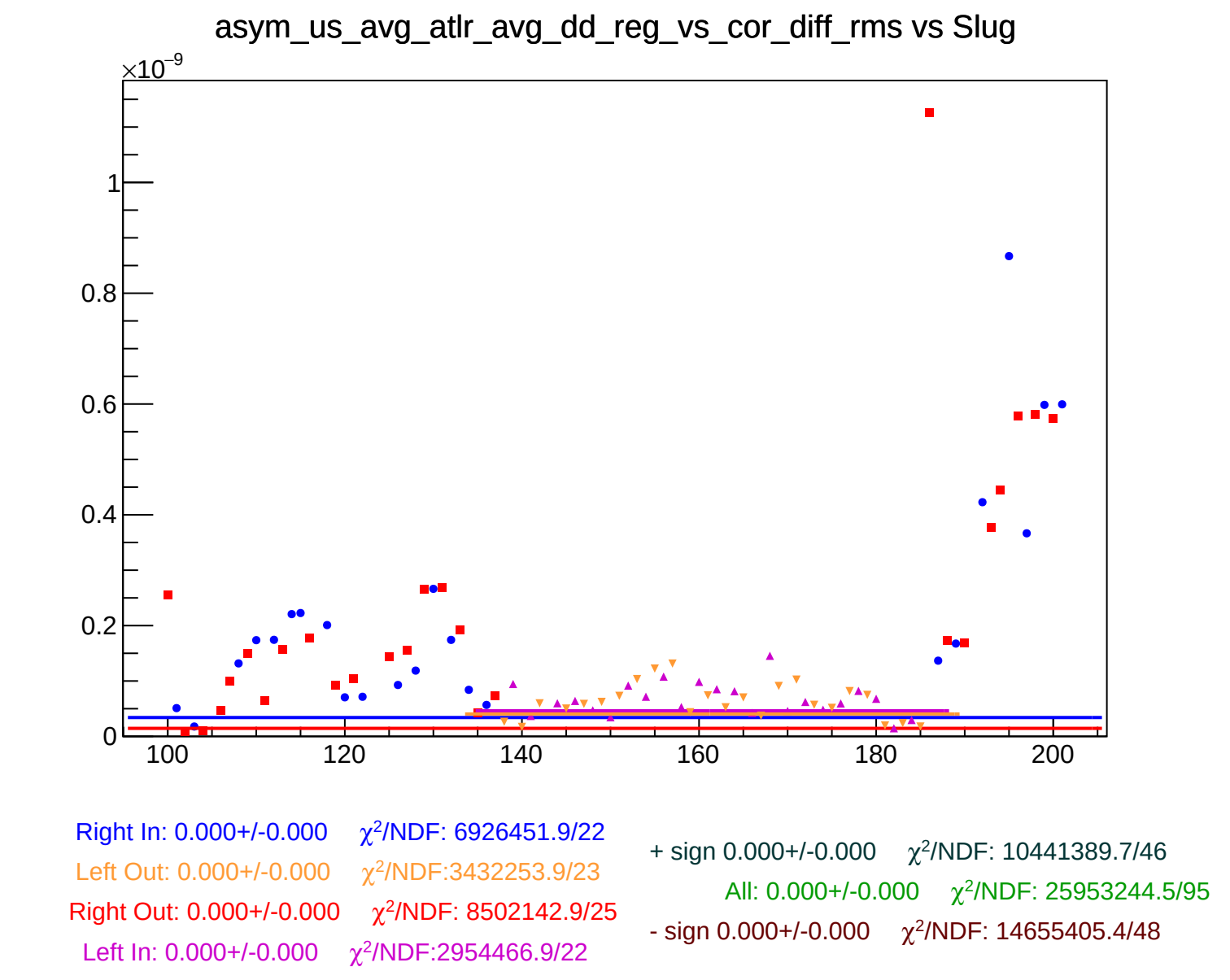
Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

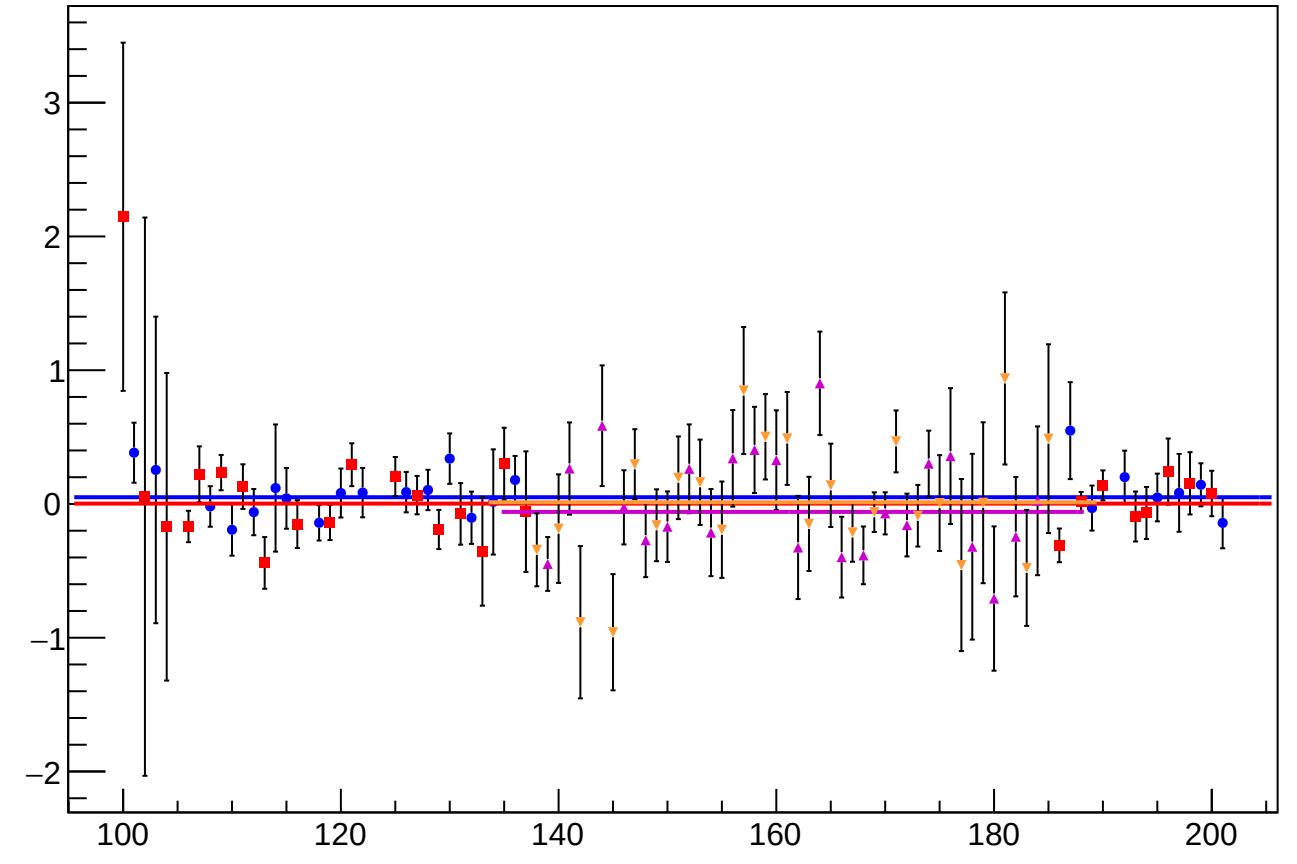
+ sign 3122.091+/-0.427 χ^2/NDF: 7667489.2/46

All: 3101.336+/-0.299 χ^2/NDF: 15524927.8/9

- sign 3081.363+/-0.418 χ^2/NDF: 7852793.5/48


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: 27.8/25
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: 113.3/95
- sign -0.000+/-0.000 χ²/NDF: 51.8/48


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6926451.9/22
Left Out: 0.000+/-0.000 χ²/NDF:3432253.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 8502142.9/25
Left In: 0.000+/-0.000 χ²/NDF:2954466.9/22
+ sign 0.000+/-0.000 χ²/NDF: 10441389.7/46
All: 0.000+/-0.000 χ²/NDF: 25953244.5/95
- sign 0.000+/-0.000 χ²/NDF: 14655405.4/48



Right In: 0.050+/-0.040 χ^2/NDF: 14.4/22

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

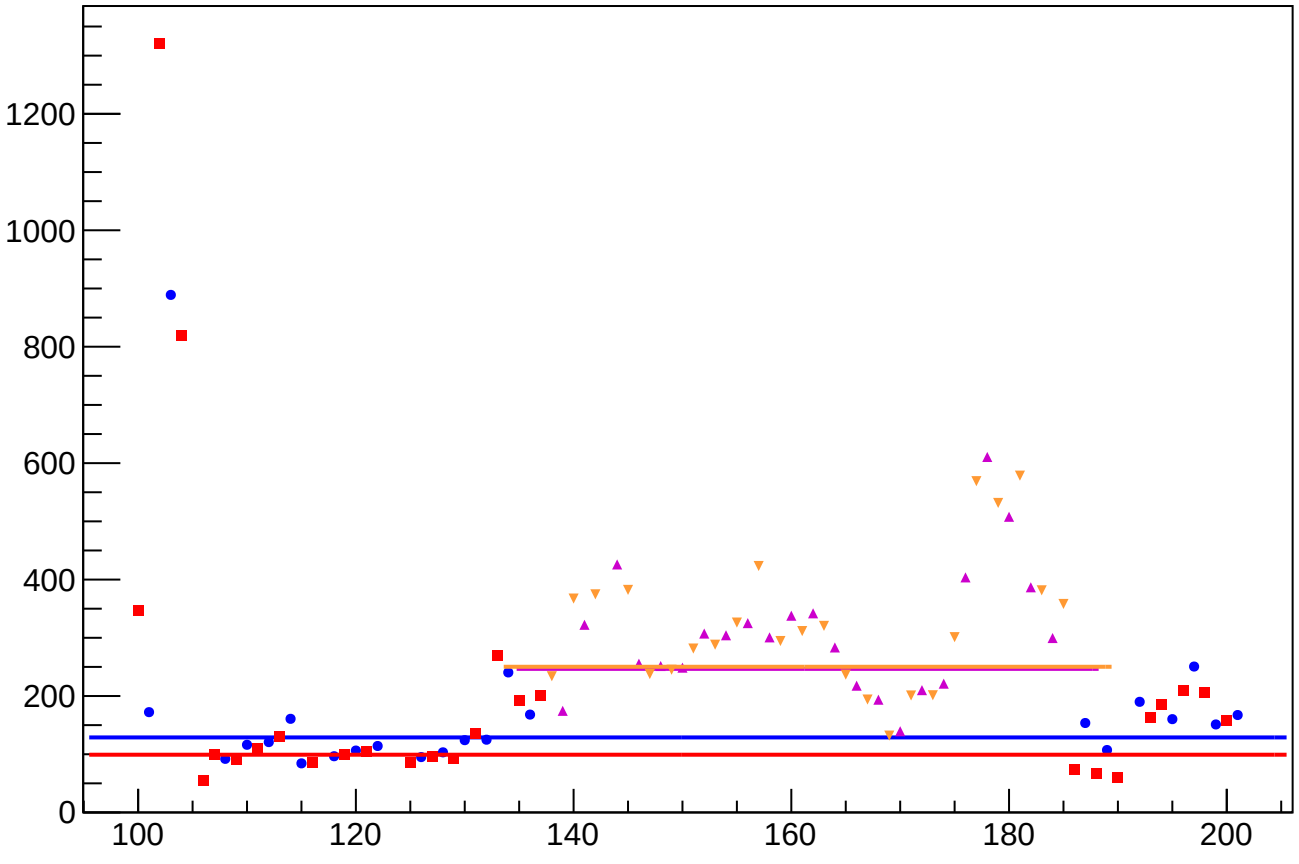
Right Out: 0.003+/-0.032 χ^2/NDF: 35.7/25

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.040+/-0.034 χ^2/NDF: 43.9/46

All: 0.010+/-0.022 χ^2/NDF: 109.6/95

- sign -0.010+/-0.028 χ^2/NDF: 64.4/48



Right In: 128.878+/-0.028 χ^2/NDF: 2515836.7/22

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

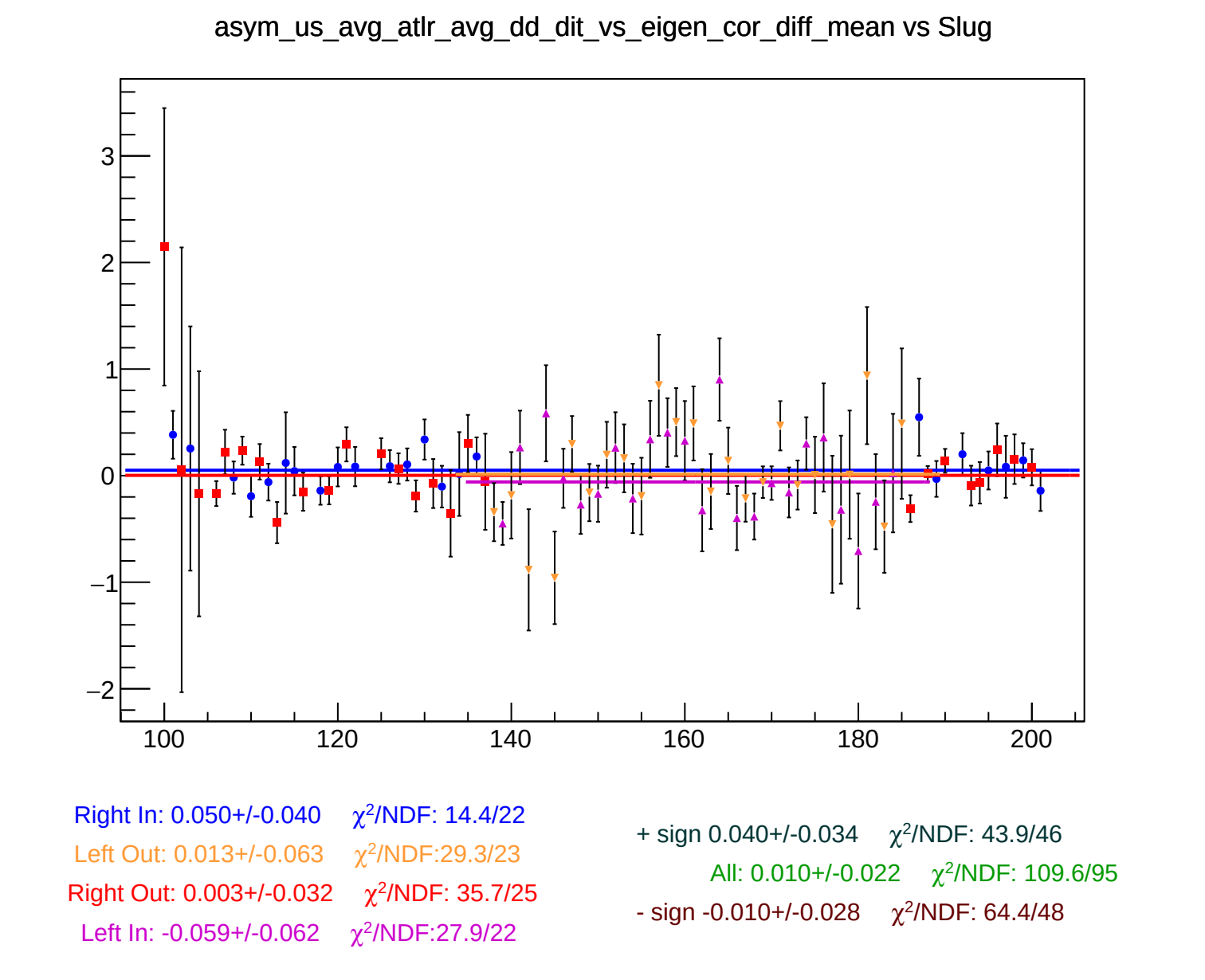
Right Out: 99.174+/-0.023 χ^2/NDF: 5066970.2/25

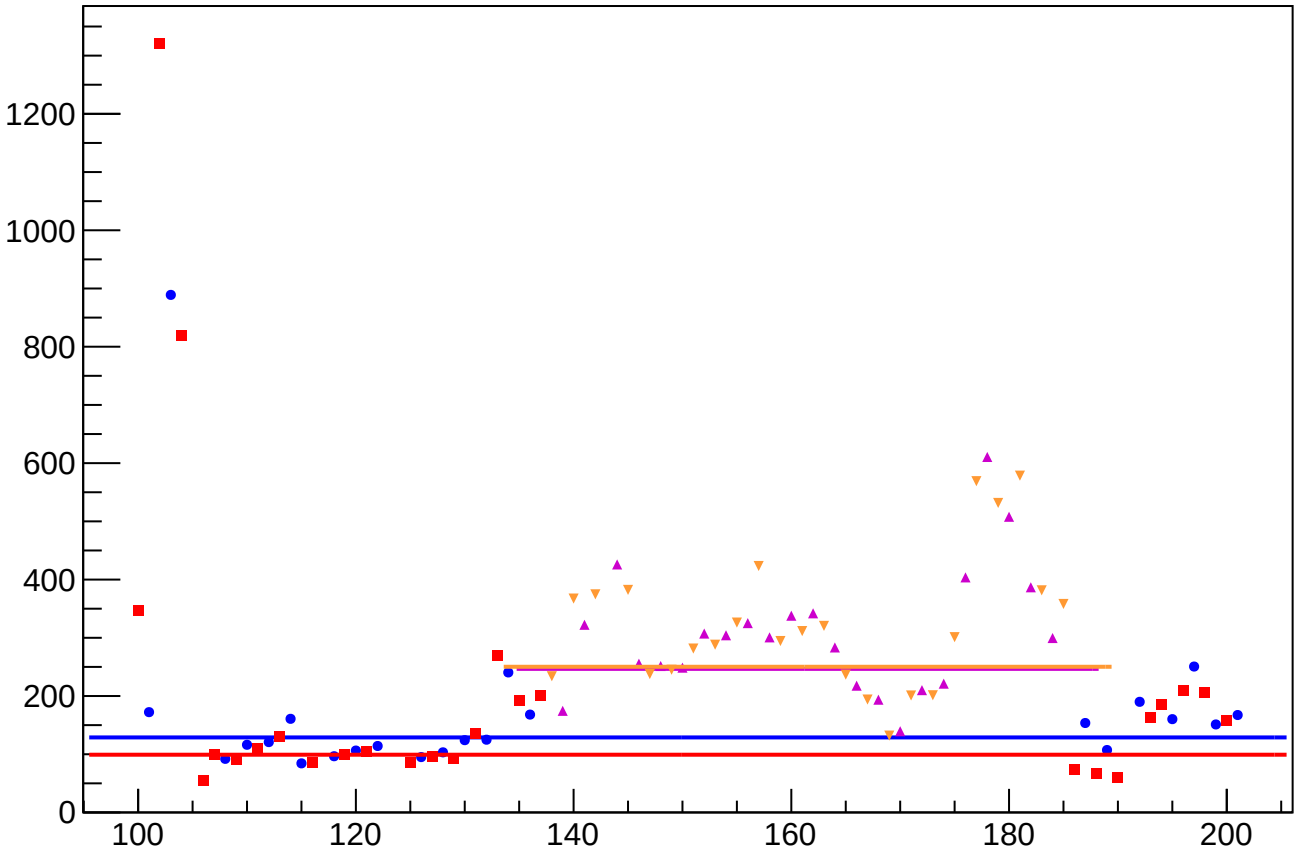
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.860+/-0.024 χ^2/NDF: 12150951.0/46

All: 143.975+/-0.015 χ^2/NDF: 31112309.6/95

- sign 130.004+/-0.020 χ^2/NDF: 17784642.8/48


asym_us_avg_atlr_avg_dd_dit_vs_eigen_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: 0.003+/-0.032 χ²/NDF: 35.7/25
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.034 χ²/NDF: 43.9/46
All: 0.010+/-0.022 χ²/NDF: 109.6/95
- sign -0.010+/-0.028 χ²/NDF: 64.4/48



Right In: 128.878+/-0.028 χ^2/NDF: 2515836.7/22

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

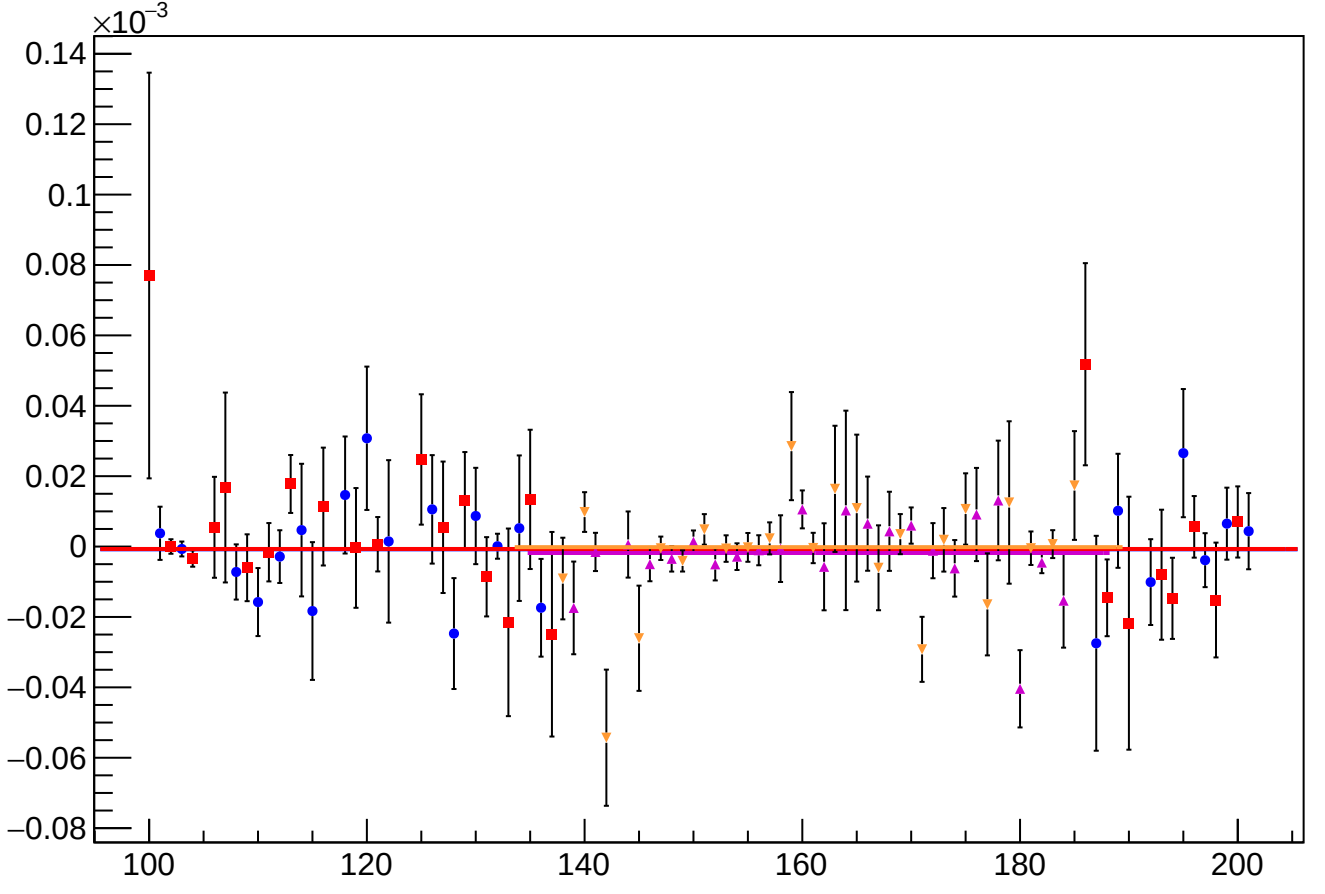
Right Out: 99.174+/-0.023 χ^2/NDF: 5066970.2/25

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.860+/-0.024 χ^2/NDF: 12150951.0/46

All: 143.975+/-0.015 χ^2/NDF: 31112309.6/95

- sign 130.004+/-0.020 χ^2/NDF: 17784642.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

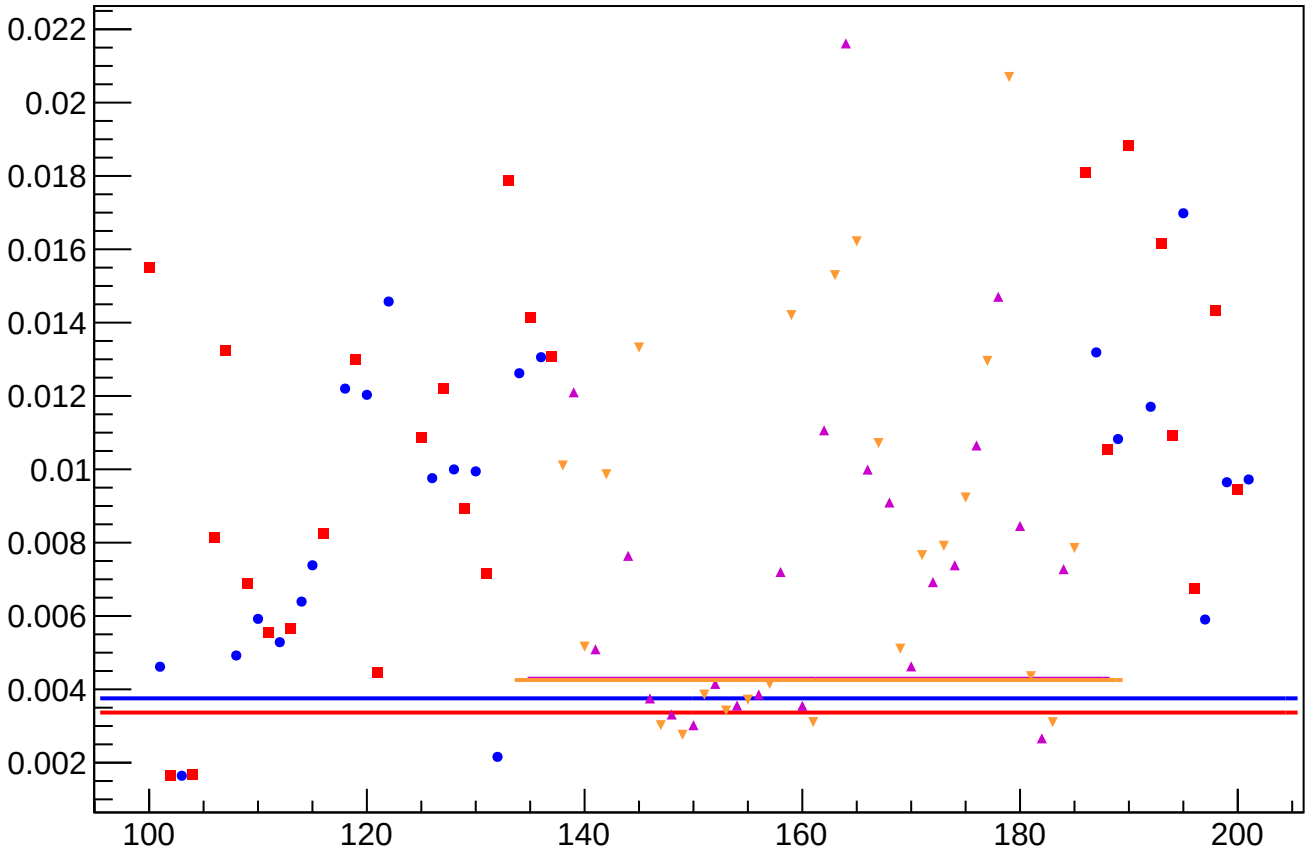
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/25

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: 107.8/95

- sign -0.000+/-0.000 χ^2/NDF: 52.5/48



Right In: 0.004+/-0.000 χ^2/NDF: 10248549.7/22

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

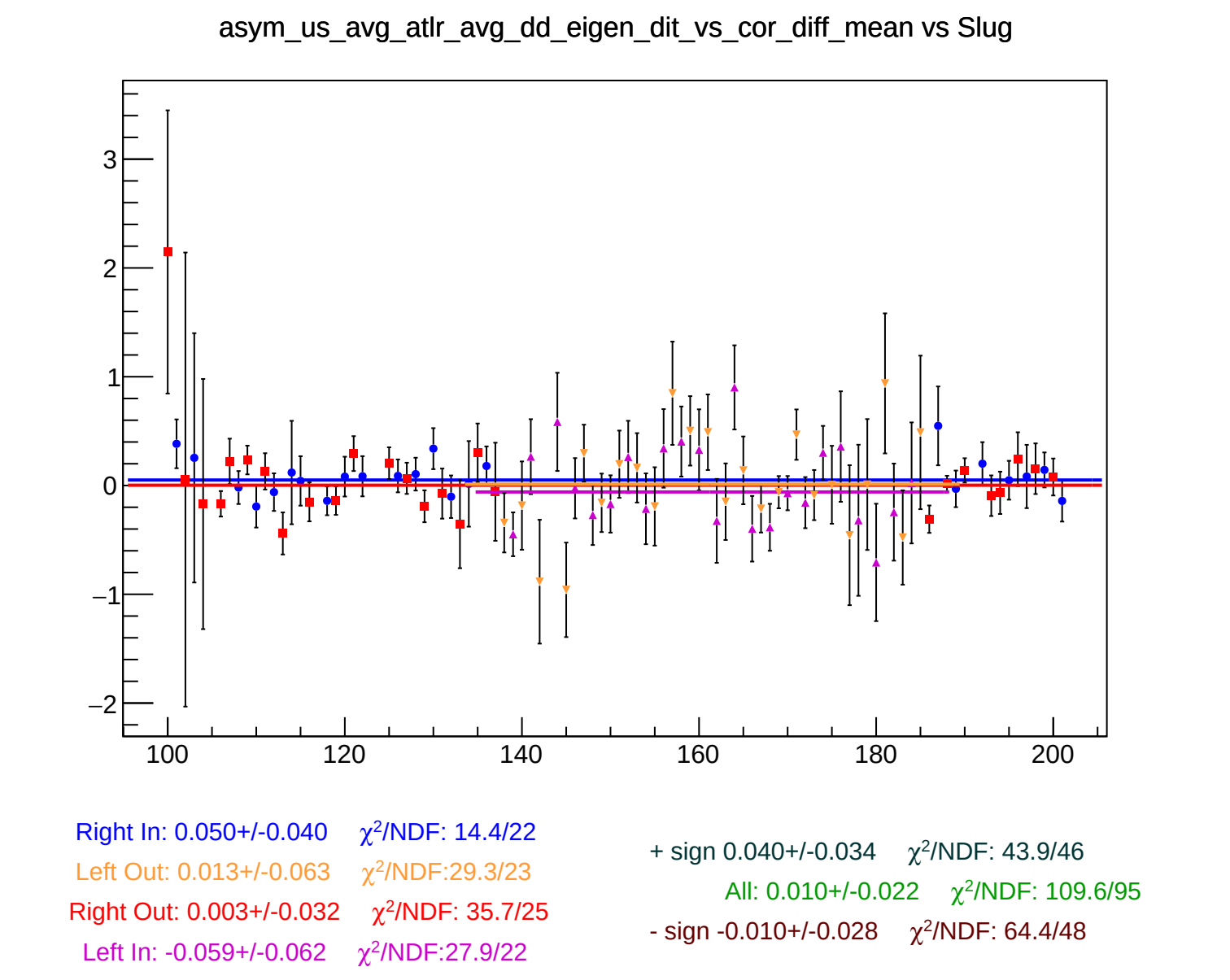
Right Out: 0.003+/-0.000 χ^2/NDF: 12641713.0/25

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: 38694358.7/95

- sign 0.004+/-0.000 χ^2/NDF: 19773466.5/48


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
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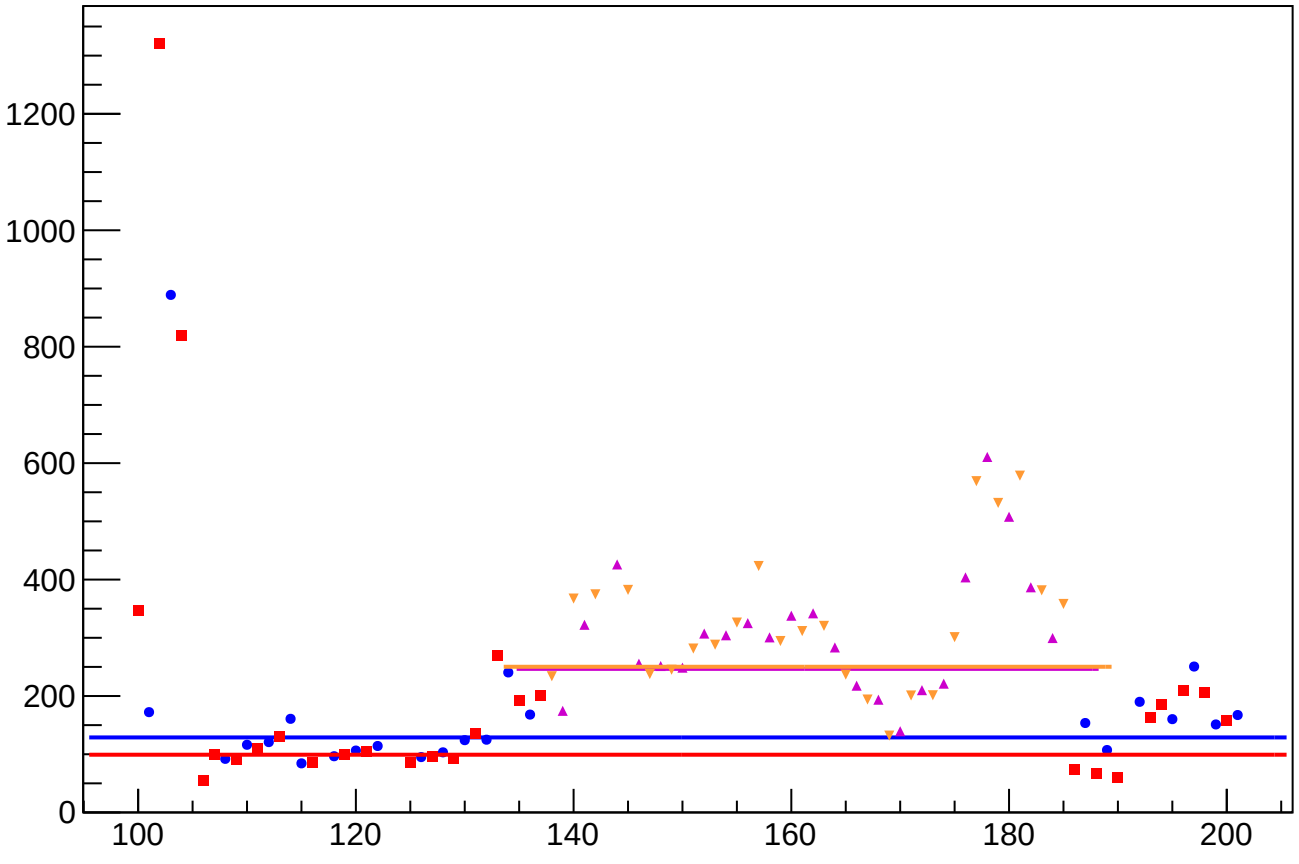
180
200
Right In: 0.050+/-0.040 χ²/NDF: 14.4/22
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.003+/-0.032 χ²/NDF: 35.7/25
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.034 χ²/NDF: 43.9/46
All: 0.010+/-0.022 χ²/NDF: 109.6/95
- sign -0.010+/-0.028 χ²/NDF: 64.4/48



Right In: 128.877+/-0.028 χ^2/NDF: 2515853.1/22

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

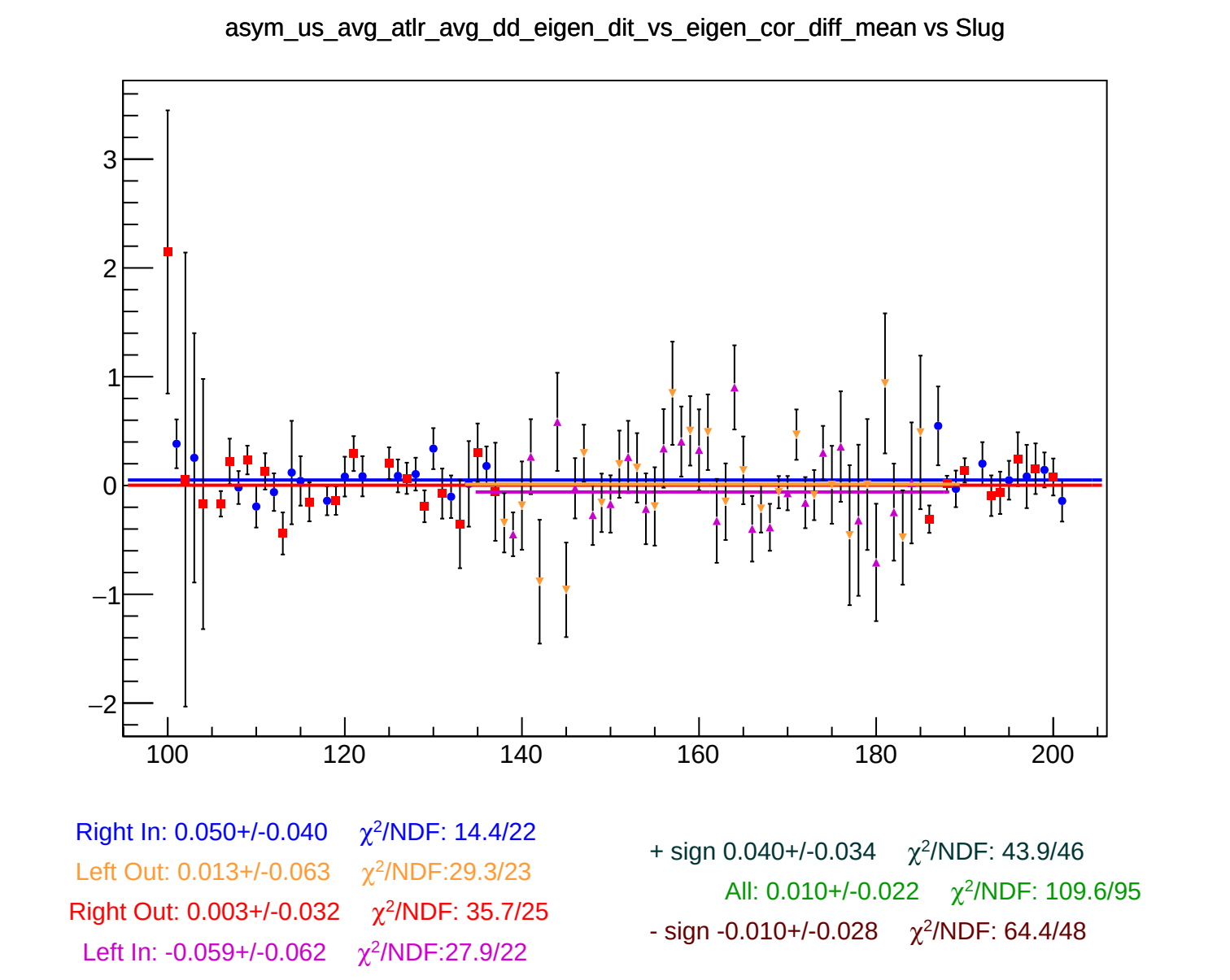
Right Out: 99.169+/-0.023 χ^2/NDF: 5067462.3/25

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.859+/-0.024 χ^2/NDF: 12151211.7/46

All: 143.971+/-0.015 χ^2/NDF: 31114228.4/95

- sign 129.998+/-0.020 χ^2/NDF: 17785968.2/48


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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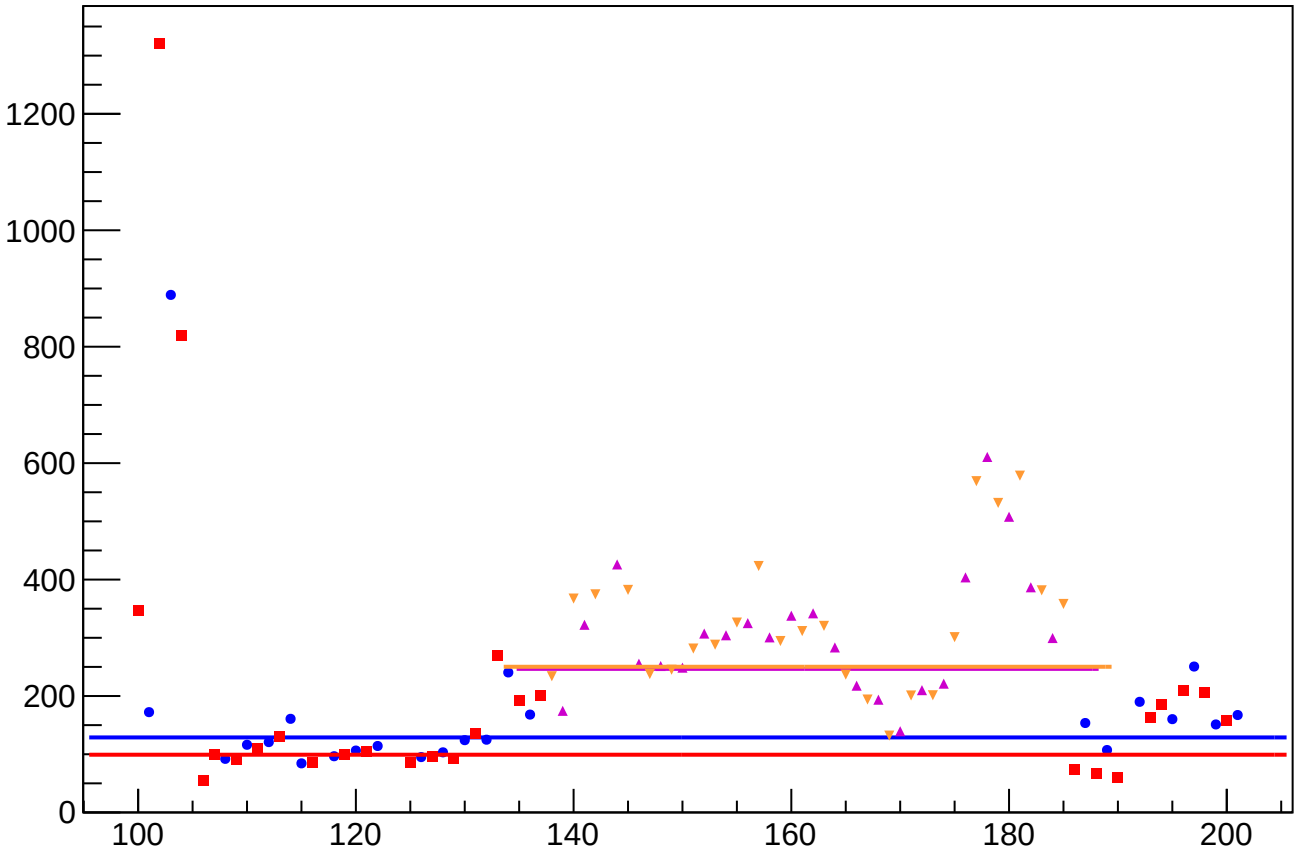
Right In: 0.050+/-0.040 χ²/NDF: 14.4/22
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.003+/-0.032 χ²/NDF: 35.7/25
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.034 χ²/NDF: 43.9/46
All: 0.010+/-0.022 χ²/NDF: 109.6/95
- sign -0.010+/-0.028 χ²/NDF: 64.4/48



Right In: 128.877+/-0.028 χ^2/NDF: 2515853.1/22

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

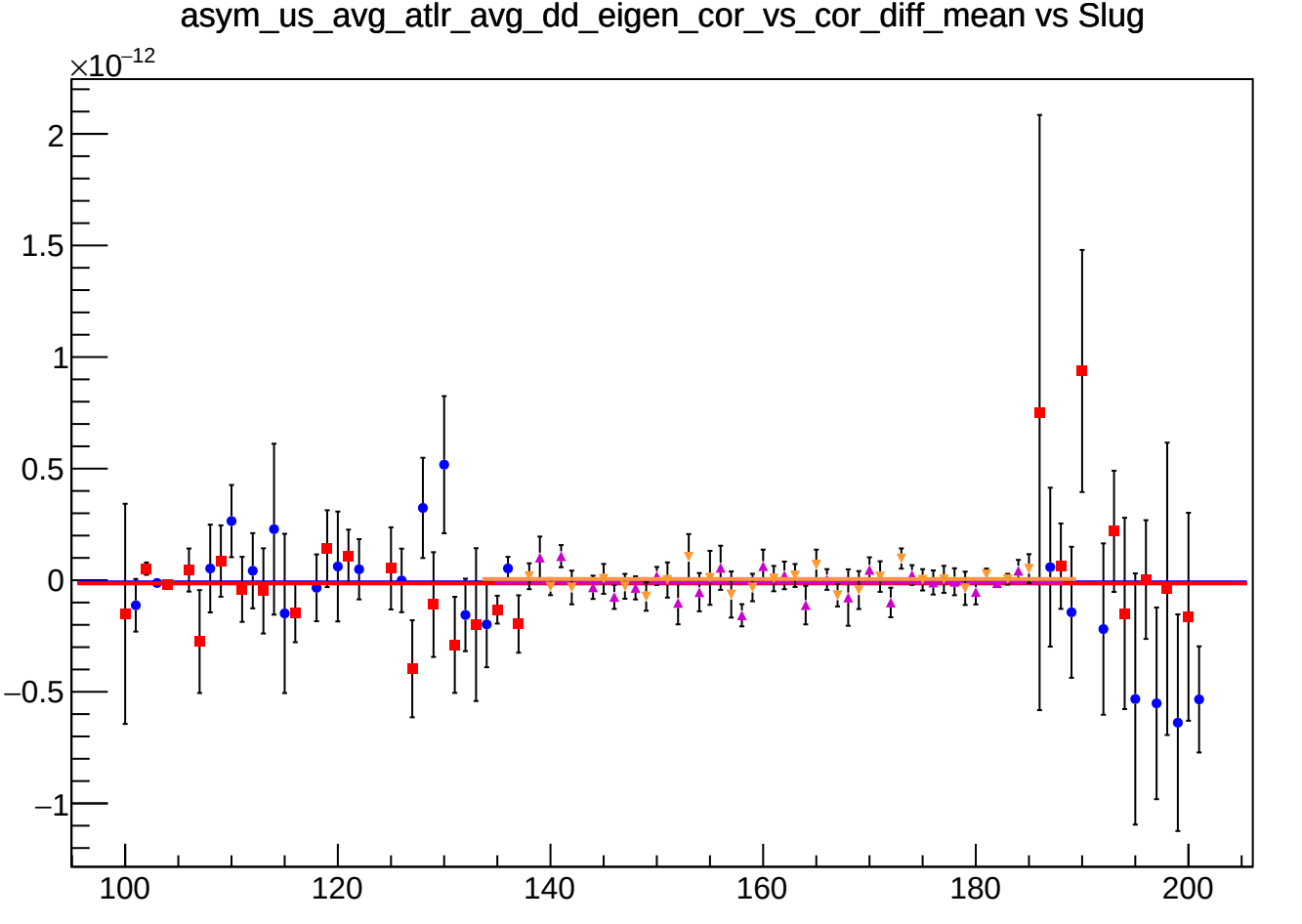
Right Out: 99.169+/-0.023 χ^2/NDF: 5067462.3/25

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.859+/-0.024 χ^2/NDF: 12151211.7/46

All: 143.971+/-0.015 χ^2/NDF: 31114228.4/95

- sign 129.998+/-0.020 χ^2/NDF: 17785968.2/48


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
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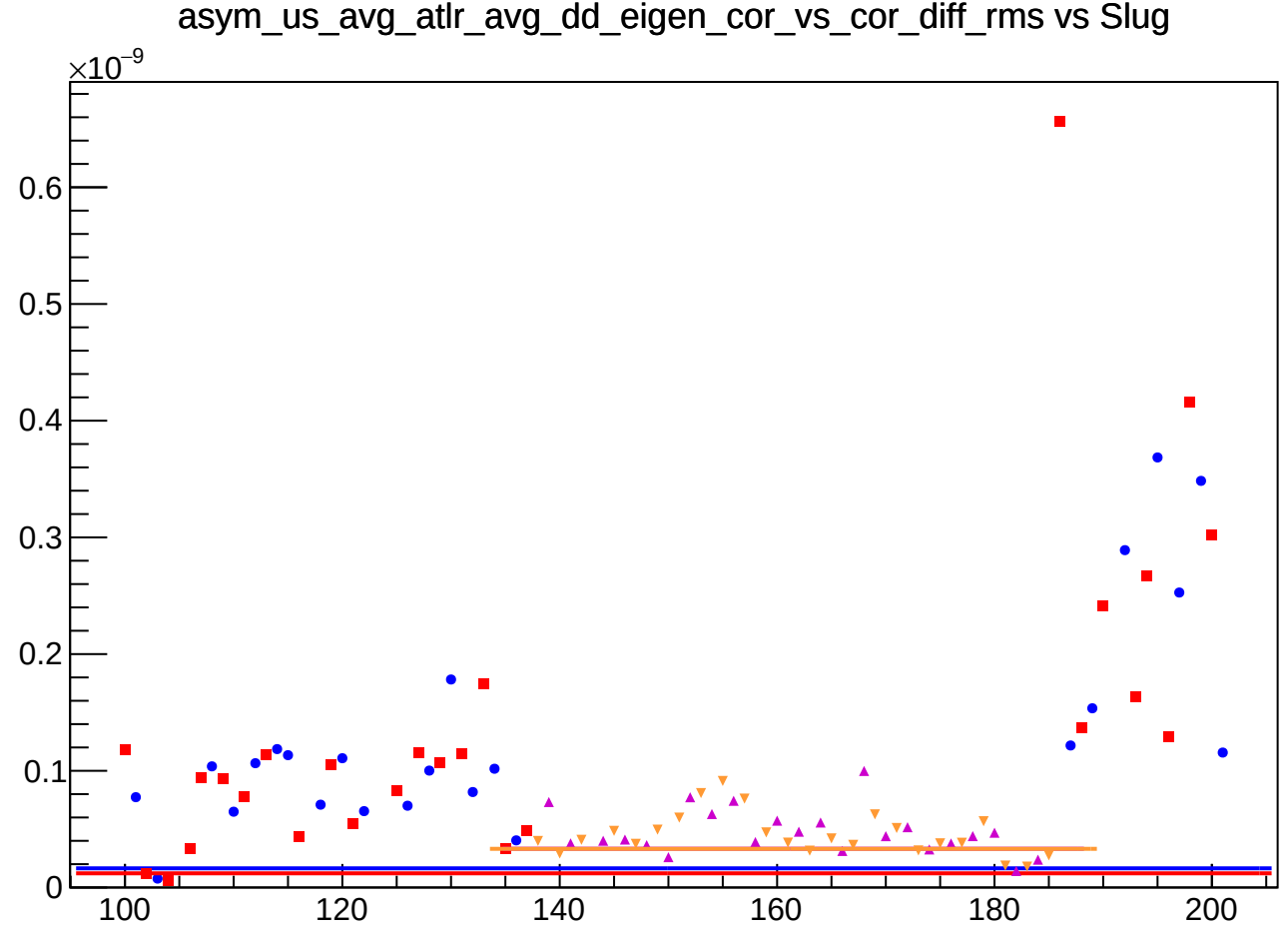
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.6/22
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.4/25
Left In: -0.000+/-0.000 χ²/NDF:27.9/22
+ sign -0.000+/-0.000 χ²/NDF: 37.3/46
All: -0.000+/-0.000 χ²/NDF: 92.9/95
- sign -0.000+/-0.000 χ²/NDF: 54.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 10214768.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10815922.8/25

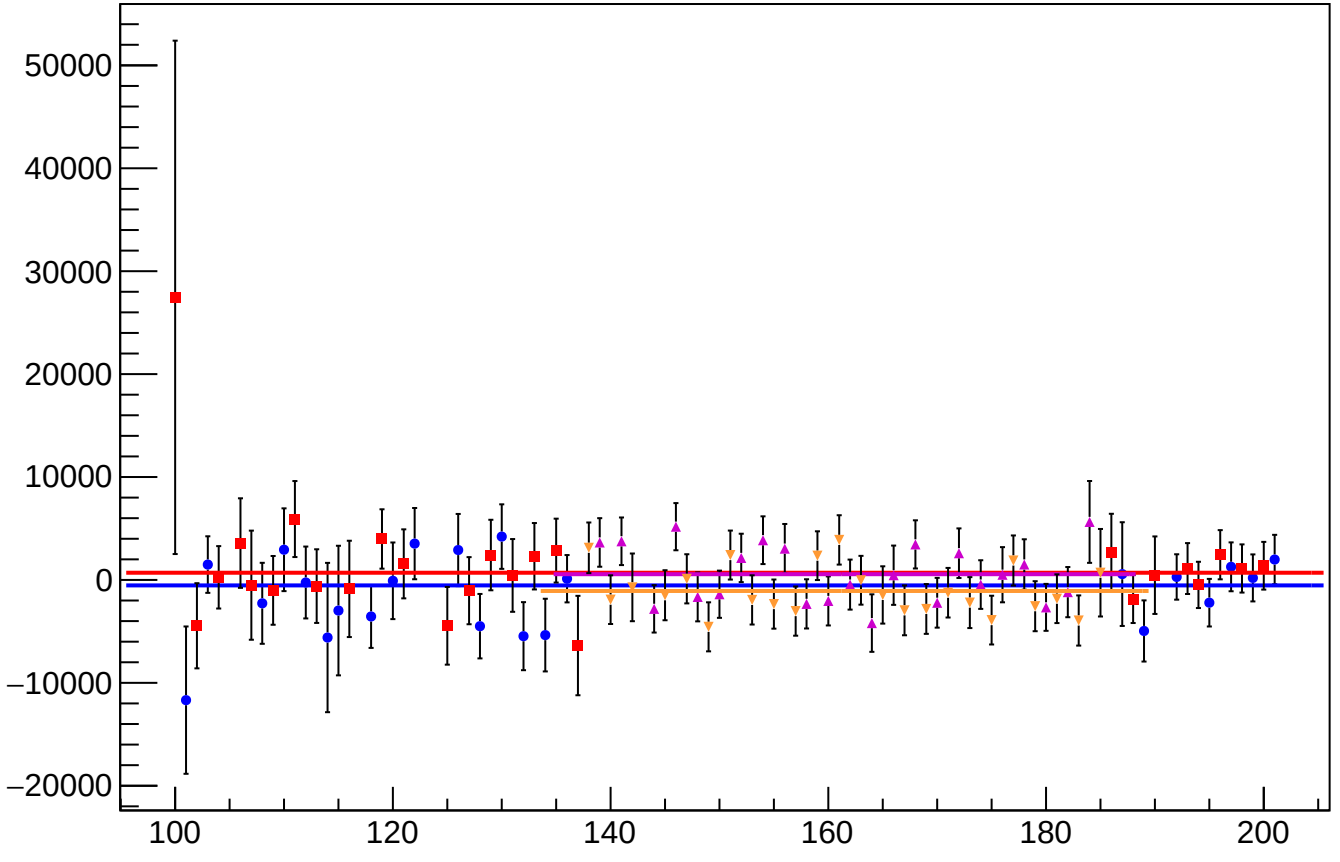
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16361574.6/46

All: 0.000+/-0.000 χ^2/NDF: 36787192.2/95

- sign 0.000+/-0.000 χ^2/NDF: 20125682.8/48

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: 699.300+/-625.448 χ^2/NDF: 14.8/25

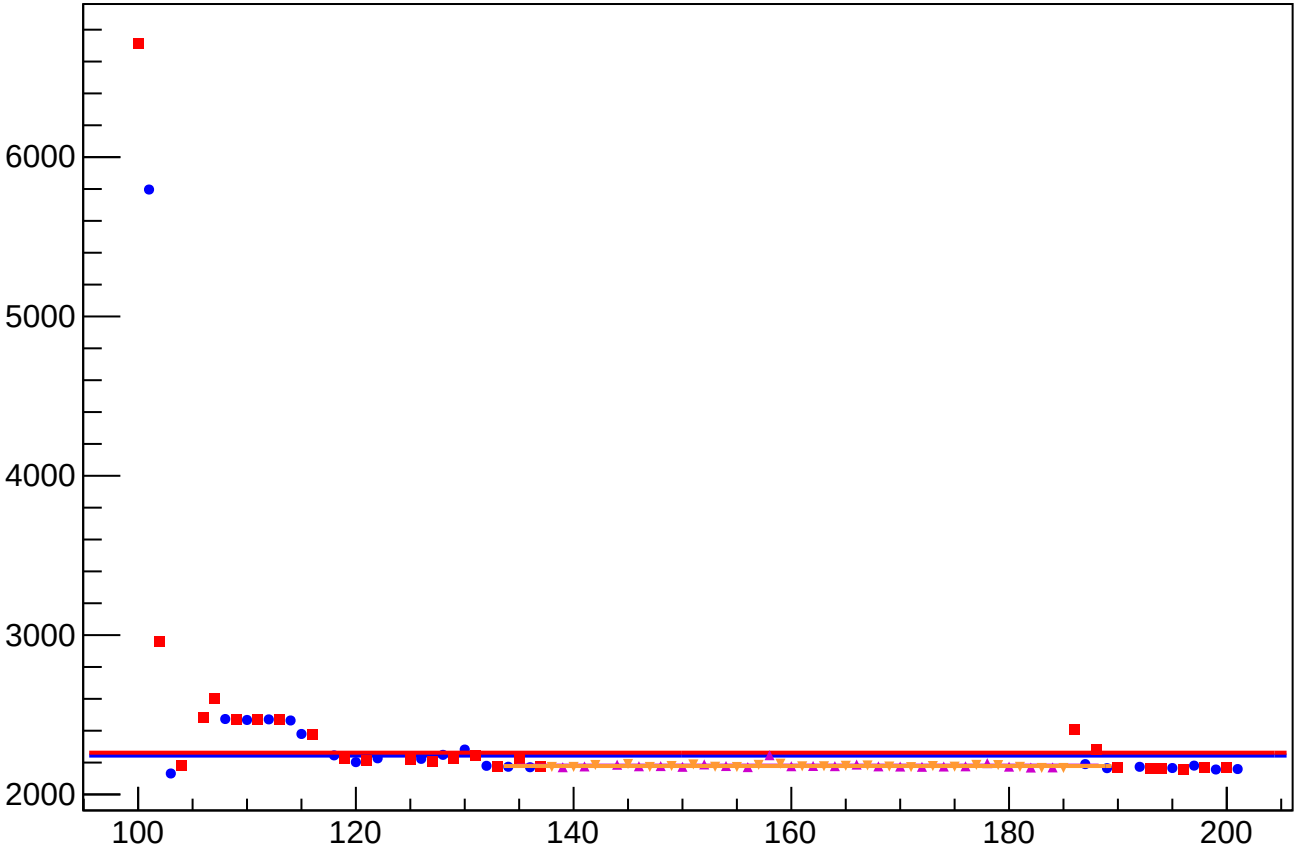
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -866.983+/-397.965 χ^2/NDF: 42.7/46

All: -120.861+/-280.308 χ^2/NDF: 93.2/95

- sign 613.755+/-394.885 χ^2/NDF: 43.5/48

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

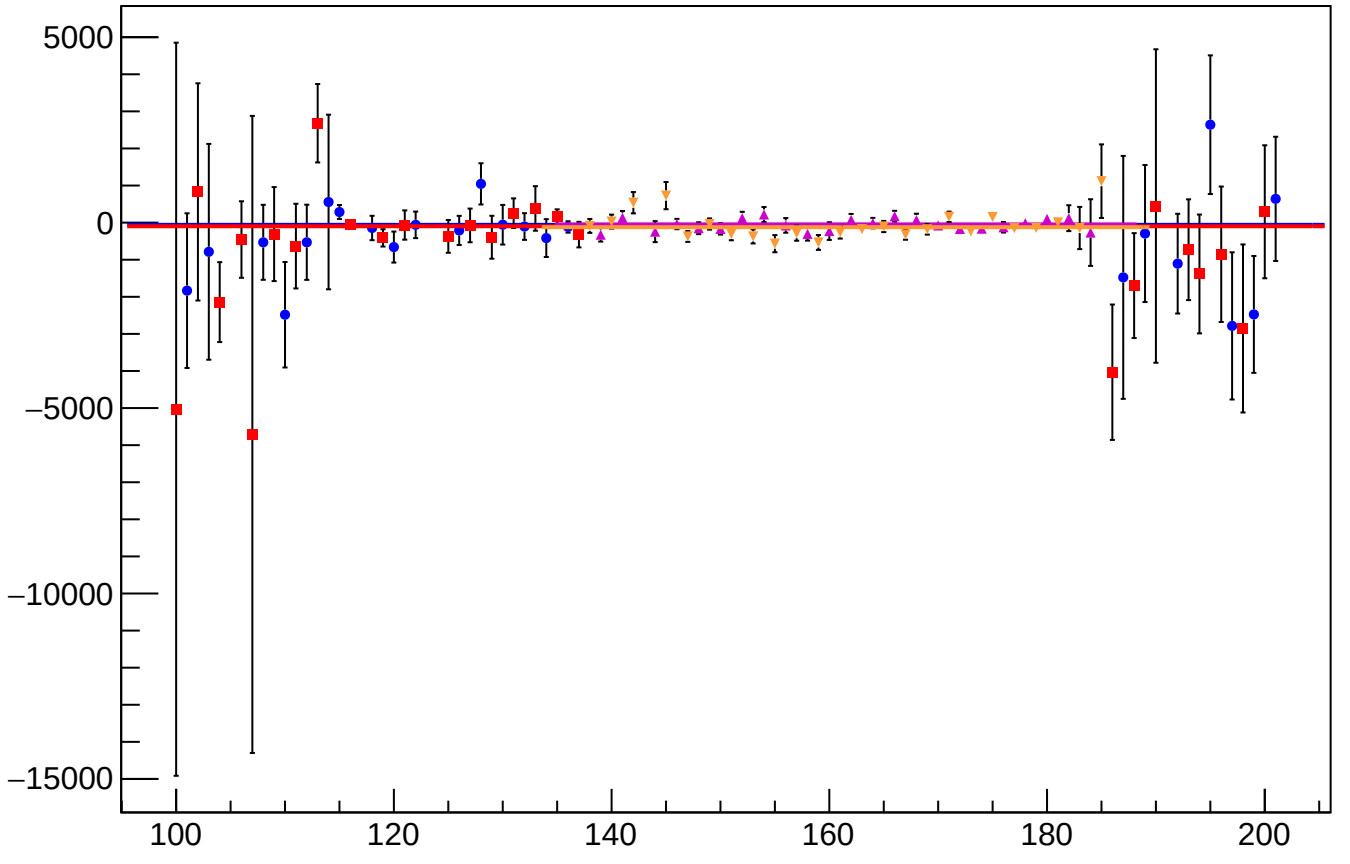
Right Out: 2262.152+/-0.442 χ^2/NDF: 183175.6/25

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2203.154+/-0.281 χ^2/NDF: 550428.0/46

All: 2208.266+/-0.198 χ^2/NDF: 756414.1/95

- sign 2213.300+/-0.279 χ^2/NDF: 205331.0/48



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: -97.527+/-81.668 χ^2/NDF: 26.2/25

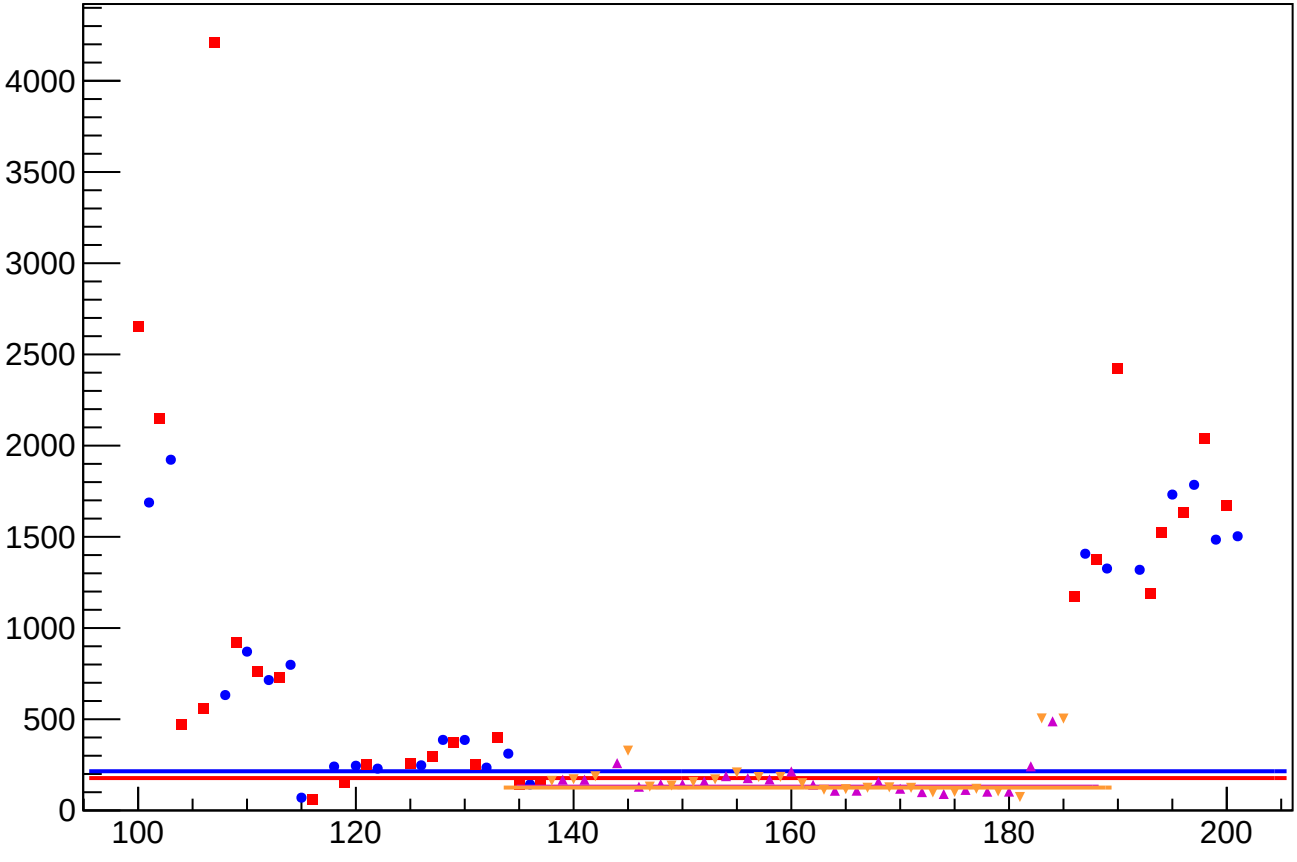
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -116.144+/-29.657 χ^2/NDF: 65.9/46

All: -87.036+/-21.171 χ^2/NDF: 112.7/95

- sign -56.786+/-30.233 χ^2/NDF: 44.7/48

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



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: 177.478+/-0.058 χ^2/NDF: 15433625.2/25

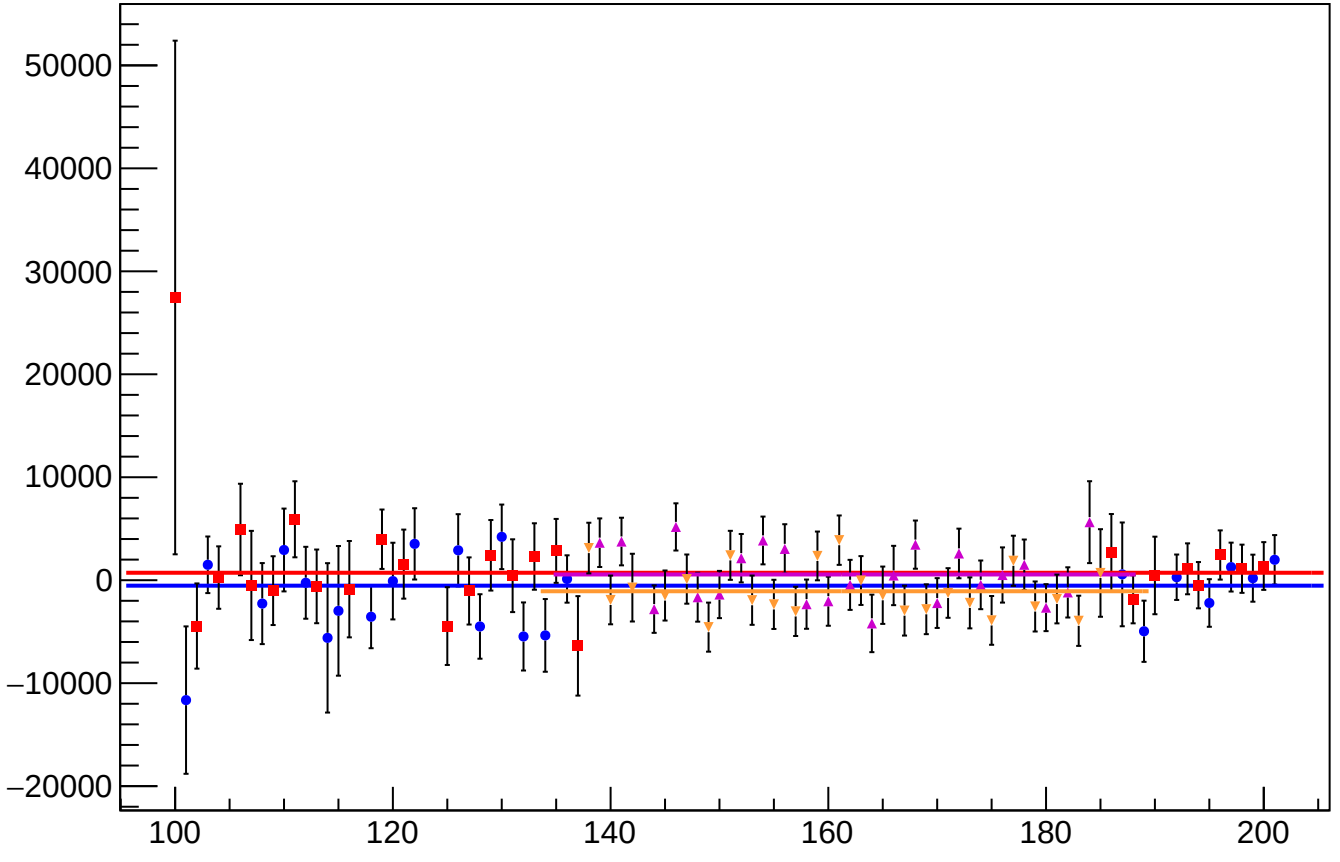
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 135.200+/-0.021 χ^2/NDF: 18287657.8/46

All: 136.025+/-0.015 χ^2/NDF: 36976774.5/95

- sign 136.883+/-0.021 χ^2/NDF: 18685957.9/48

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: 723.602+/-625.716 χ^2/NDF: 15.3/25

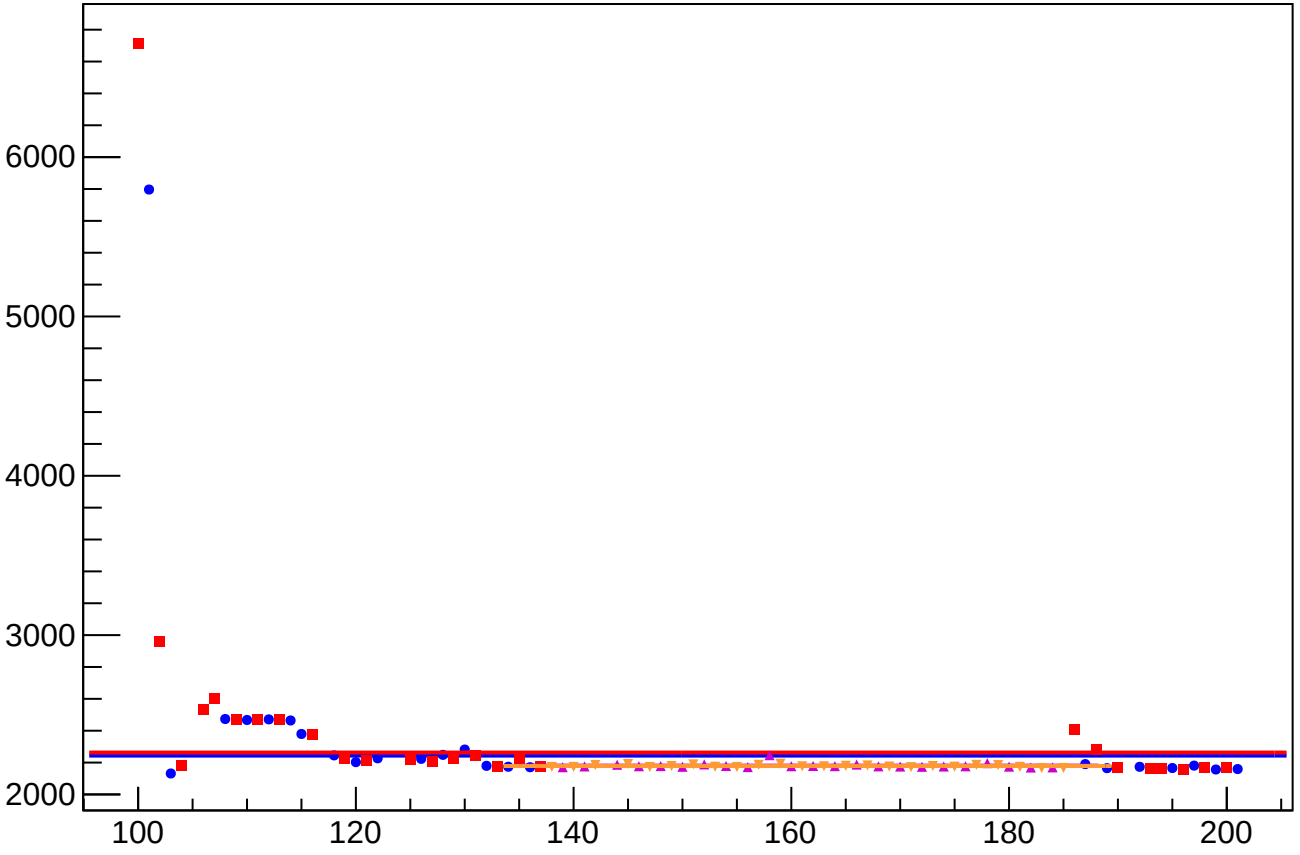
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -866.730+/-397.965 χ^2/NDF: 42.6/46

All: -115.990+/-280.333 χ^2/NDF: 93.7/95

- sign 623.424+/-394.952 χ^2/NDF: 44.0/48

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

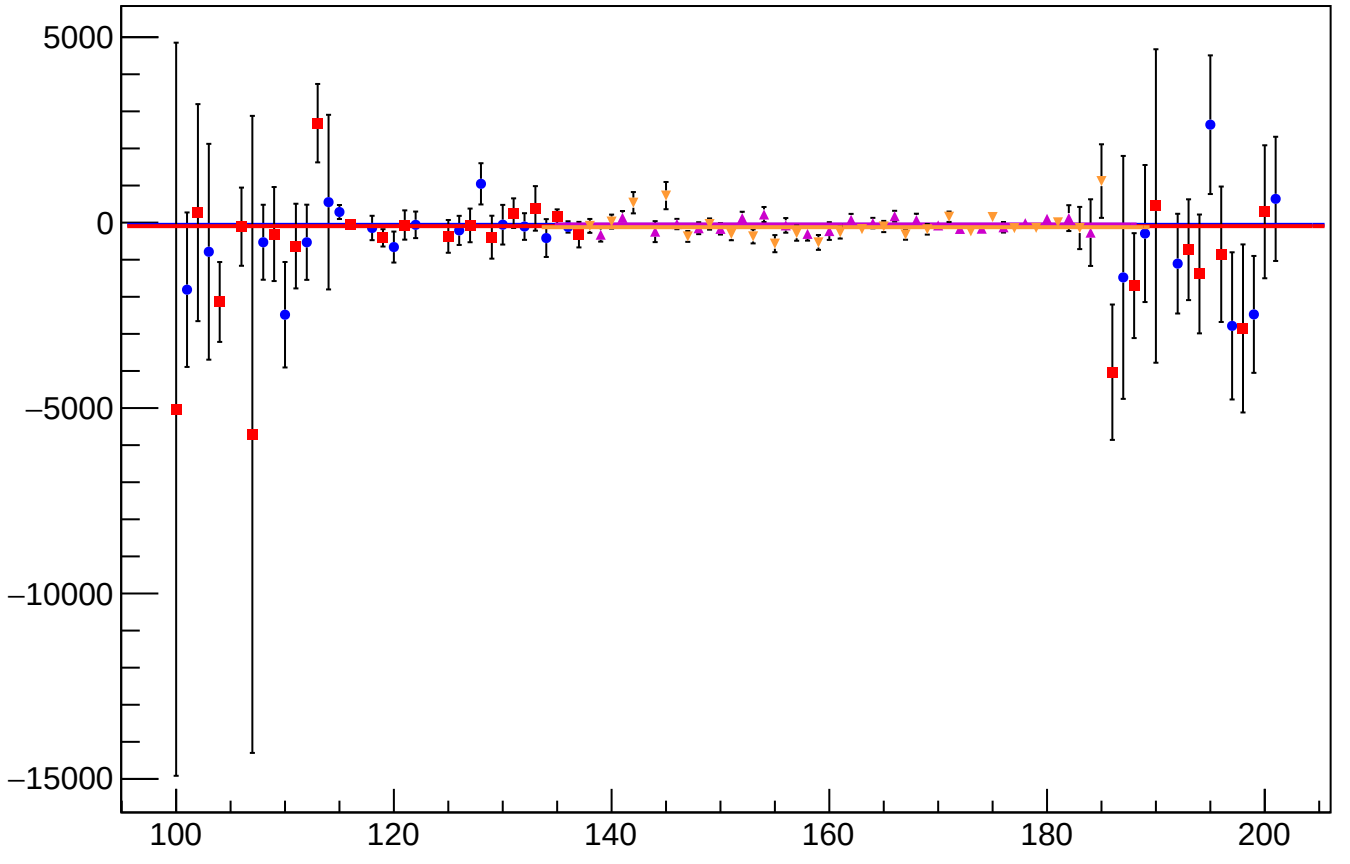
Right Out: 2262.967+/-0.442 χ^2/NDF: 185494.1/25

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2203.154+/-0.281 χ^2/NDF: 550428.3/46

All: 2208.421+/-0.198 χ^2/NDF: 759171.7/95

- sign 2213.608+/-0.279 χ^2/NDF: 208048.0/48



Right In: -59.713+/-90.090 χ^2/NDF: 21.7/22

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

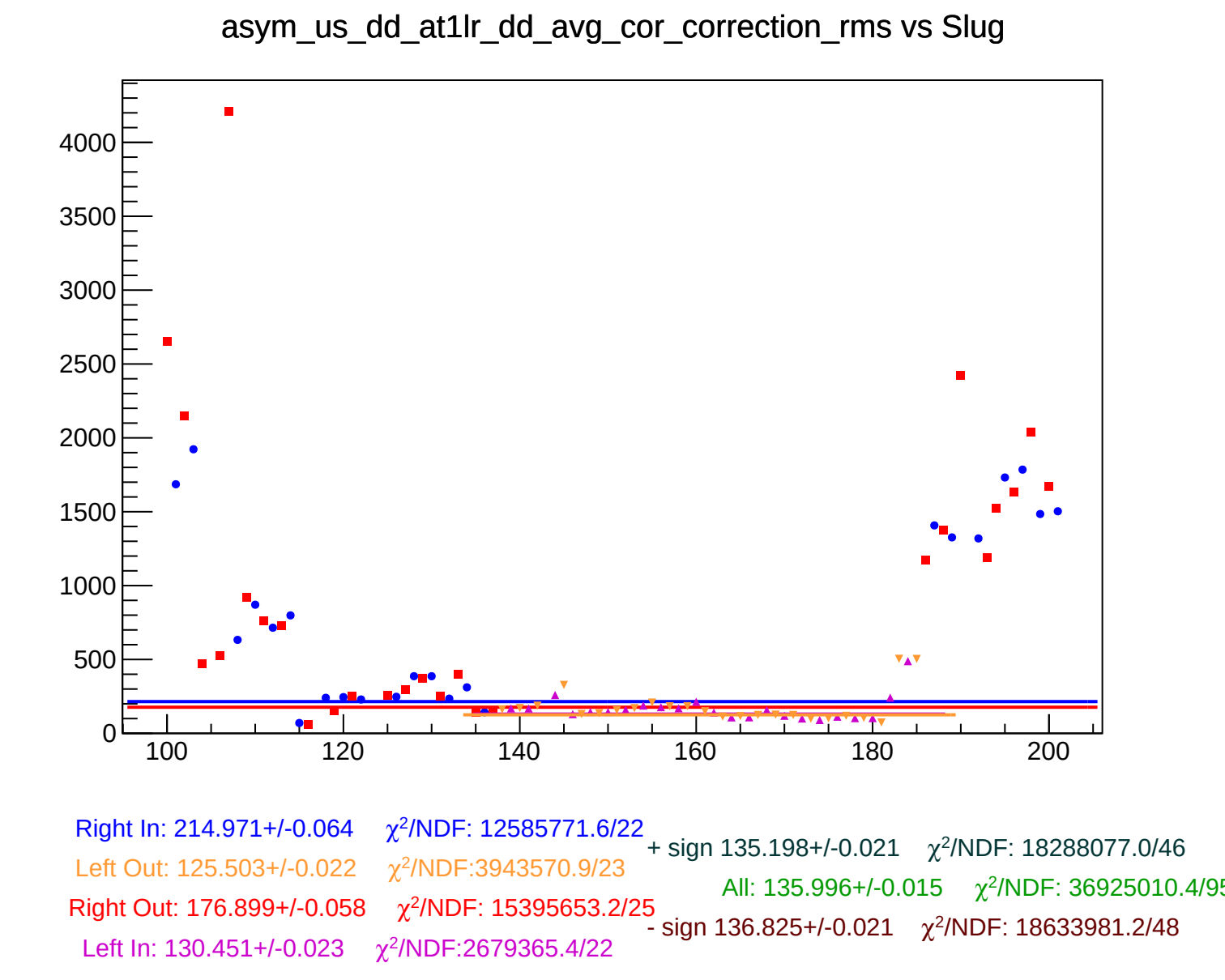
Right Out: -95.527+/-81.608 χ^2/NDF: 26.0/25

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.077+/-29.657 χ^2/NDF: 65.9/46

All: -86.826+/-21.171 χ^2/NDF: 112.4/95

- sign -56.429+/-30.232 χ^2/NDF: 44.5/48


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug
4000
3500
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1000
500
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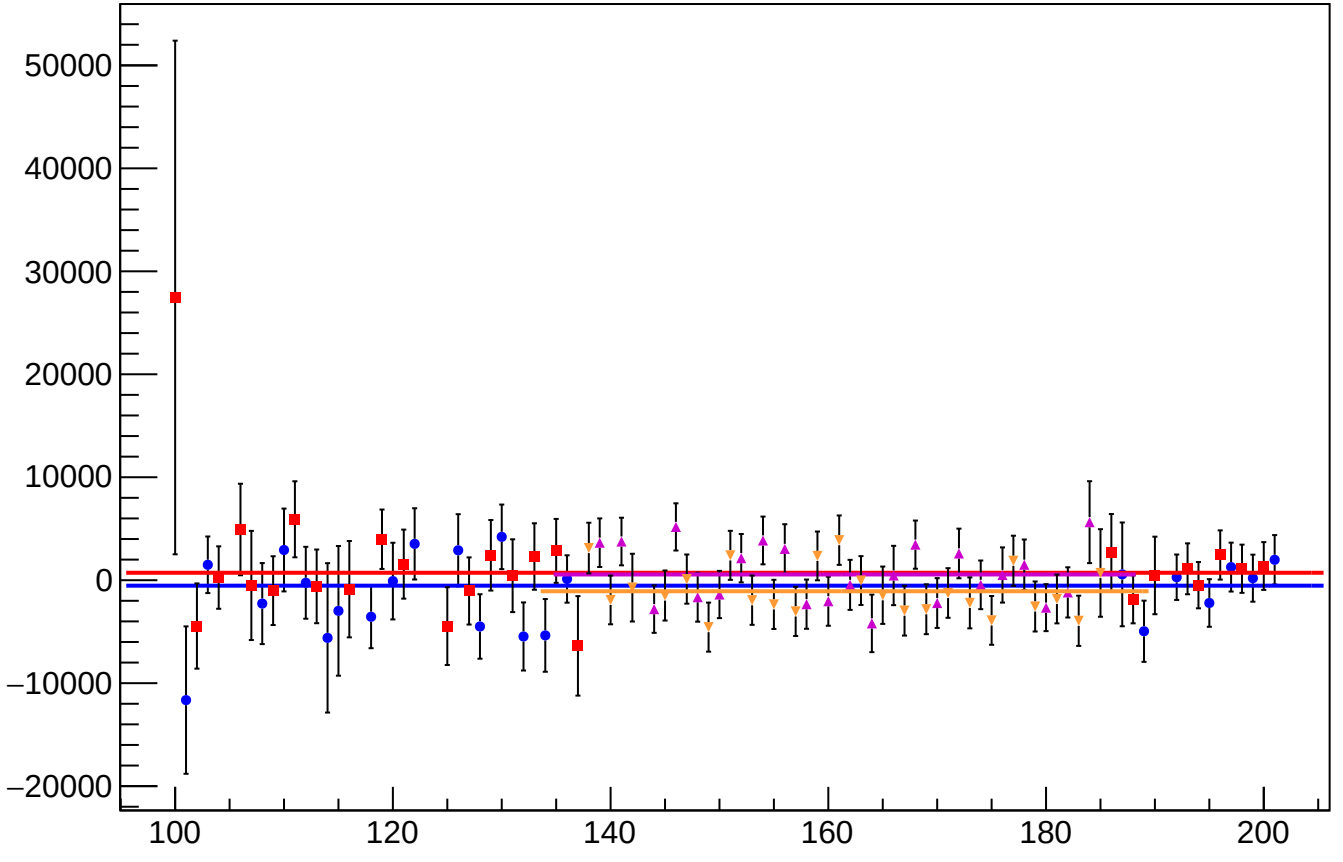
120
140
160
180
200
Right In: 214.971+/-0.064 χ²/NDF: 12585771.6/22
Left Out: 125.503+/-0.022 χ²/NDF:3943570.9/23
Right Out: 176.899+/-0.058 χ²/NDF: 15395653.2/25
Left In: 130.451+/-0.023 χ²/NDF:2679365.4/22
+ sign 135.198+/-0.021 χ²/NDF: 18288077.0/46
All: 135.996+/-0.015 χ²/NDF: 36925010.4/95
- sign 136.825+/-0.021 χ²/NDF: 18633981.2/48

eigen_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: 723.602+/-625.716 χ^2/NDF: 15.3/25

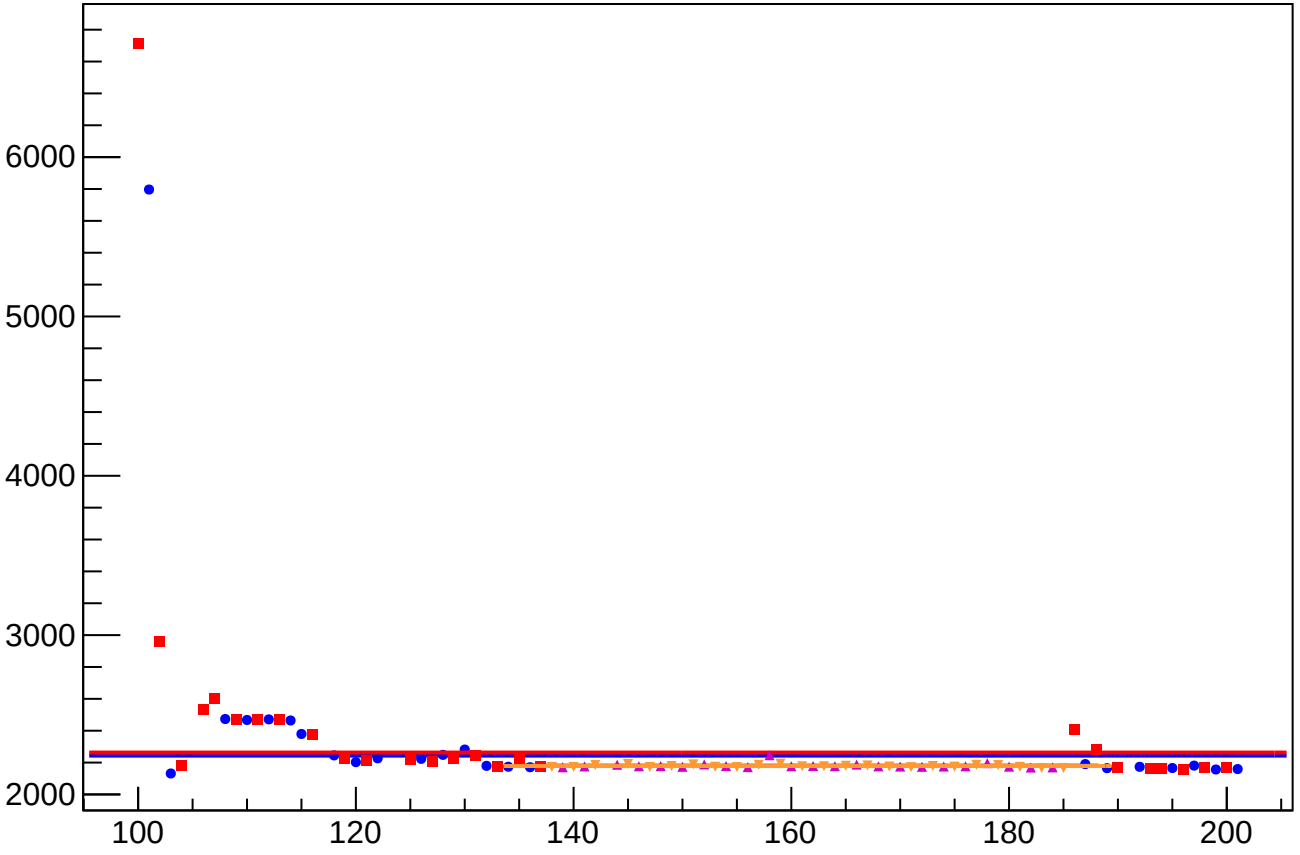
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -866.730+/-397.965 χ^2/NDF: 42.6/46

All: -115.990+/-280.333 χ^2/NDF: 93.7/95

- sign 623.424+/-394.952 χ^2/NDF: 44.0/48

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

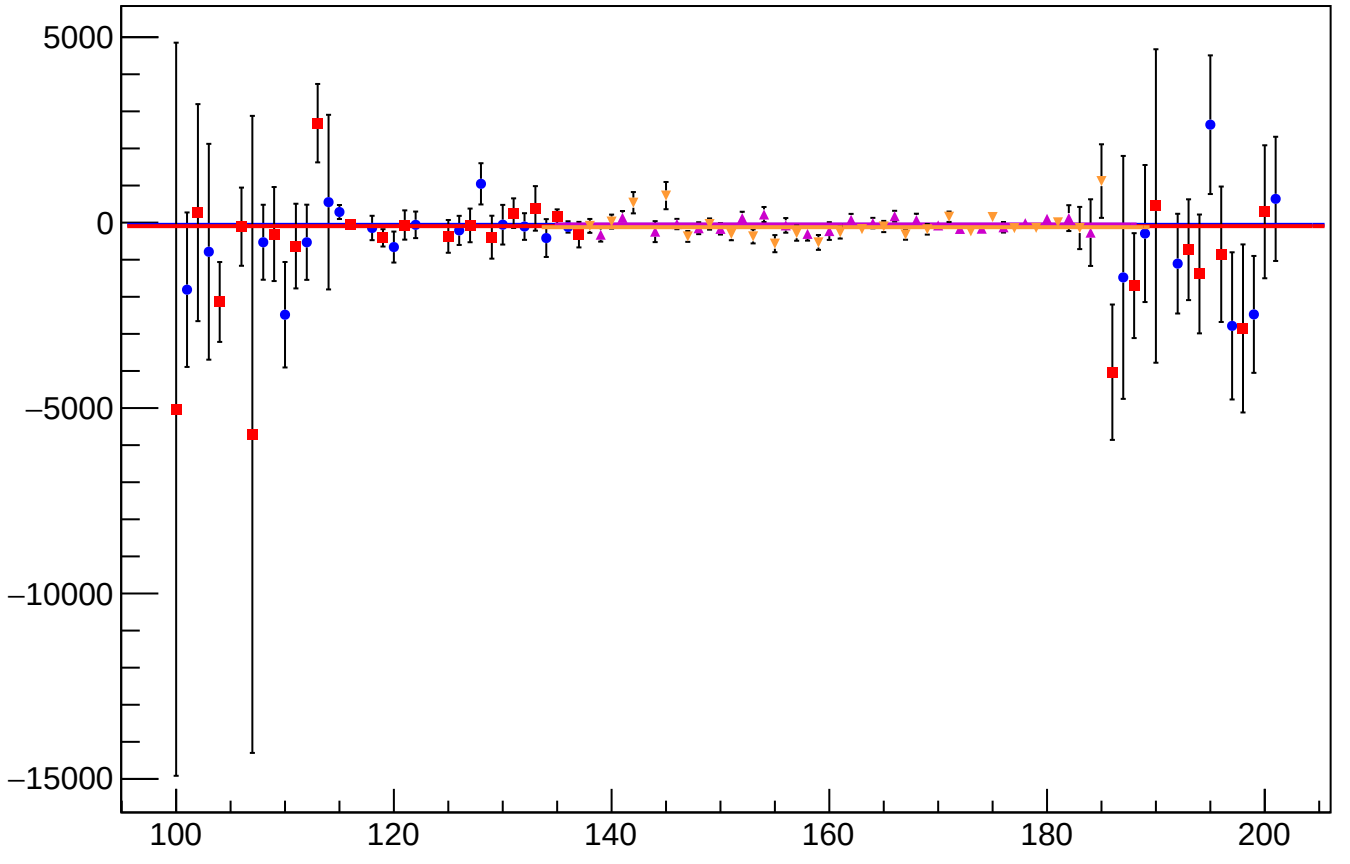
Right Out: 2262.967+/-0.442 χ^2/NDF: 185494.1/25

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2203.154+/-0.281 χ^2/NDF: 550428.3/46

All: 2208.421+/-0.198 χ^2/NDF: 759171.7/95

- sign 2213.608+/-0.279 χ^2/NDF: 208048.0/48



Right In: -59.713+/-90.090 χ^2/NDF: 21.7/22

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

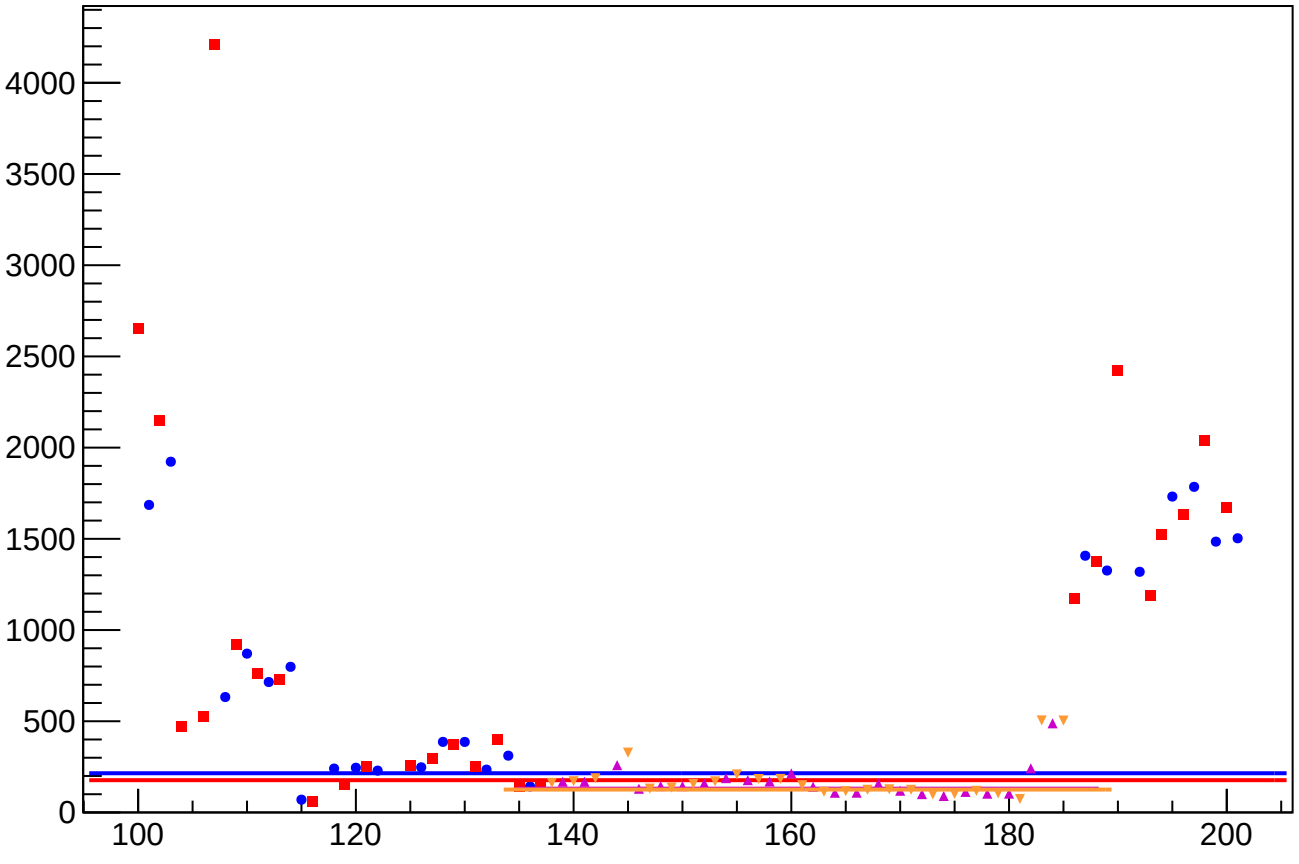
Right Out: -95.527+/-81.608 χ^2/NDF: 26.0/25

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.077+/-29.657 χ^2/NDF: 65.9/46

All: -86.826+/-21.171 χ^2/NDF: 112.4/95

- sign -56.429+/-30.232 χ^2/NDF: 44.5/48



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: 176.899+/-0.058 χ^2/NDF: 15395653.2/25

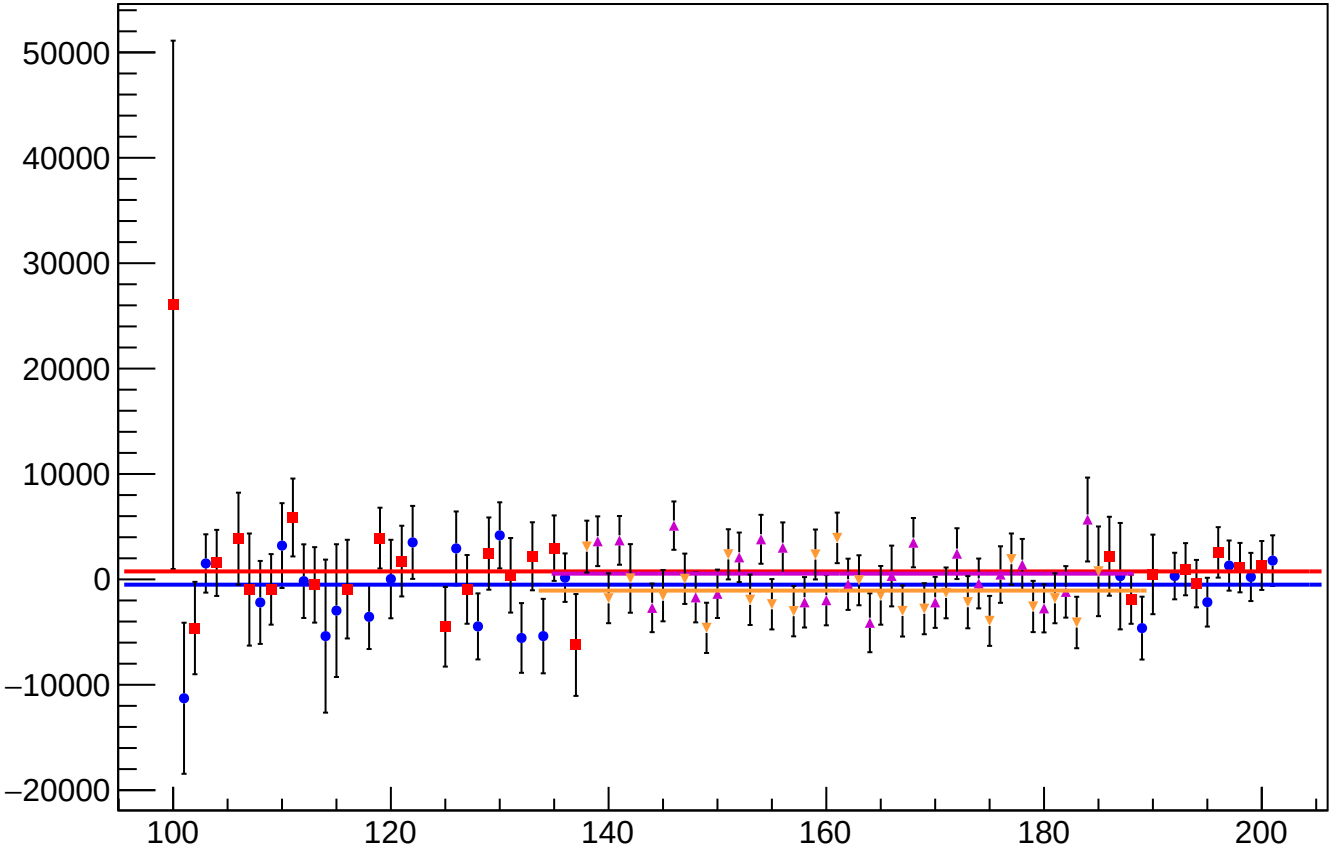
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 135.198+/-0.021 χ^2/NDF: 18288077.0/46

All: 135.996+/-0.015 χ^2/NDF: 36925010.4/95

- sign 136.825+/-0.021 χ^2/NDF: 18633981.2/48

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: 756.996+/-627.639 χ^2/NDF: 14.5/25

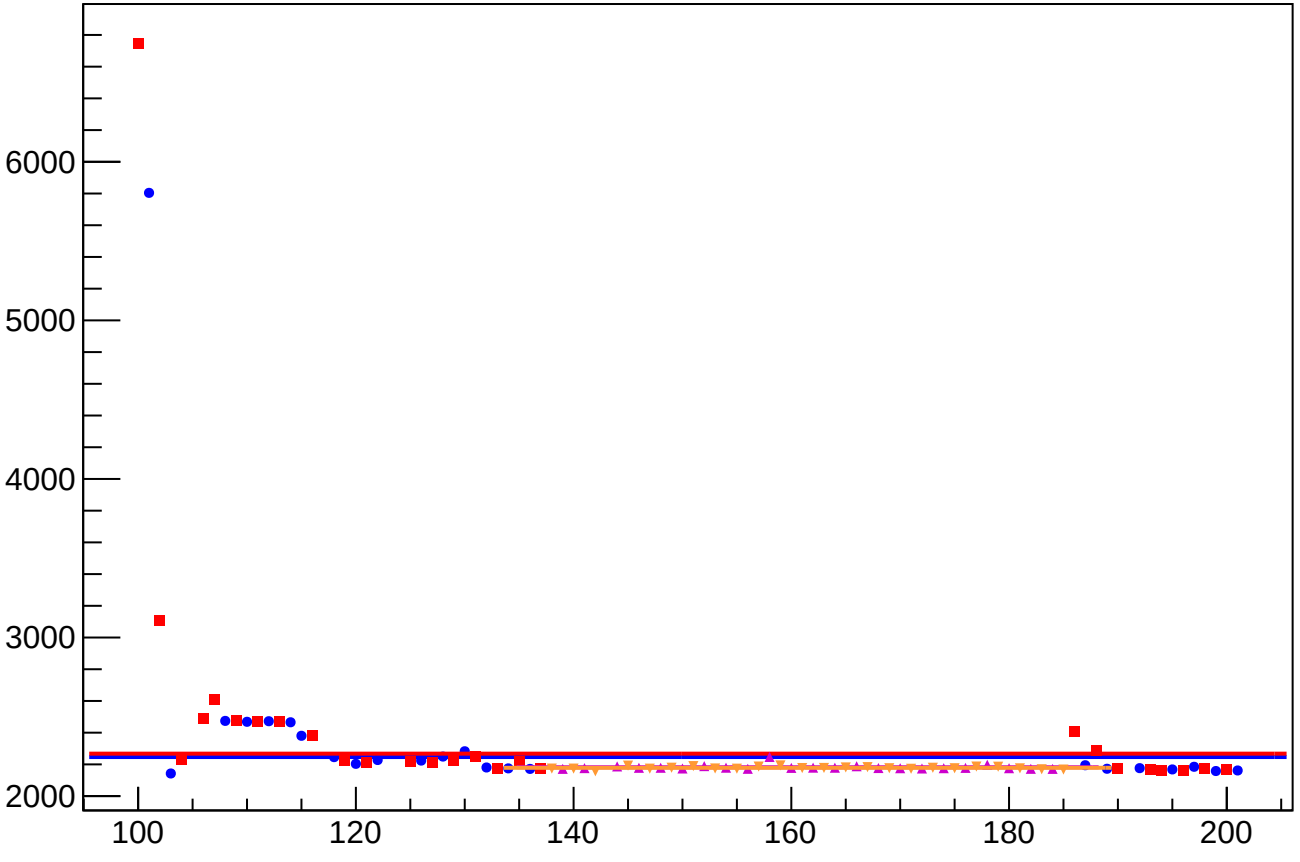
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -849.549+/-398.195 χ^2/NDF: 42.4/46

All: -105.453+/-280.623 χ^2/NDF: 91.9/95

- sign 628.749+/-395.540 χ^2/NDF: 42.5/48

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

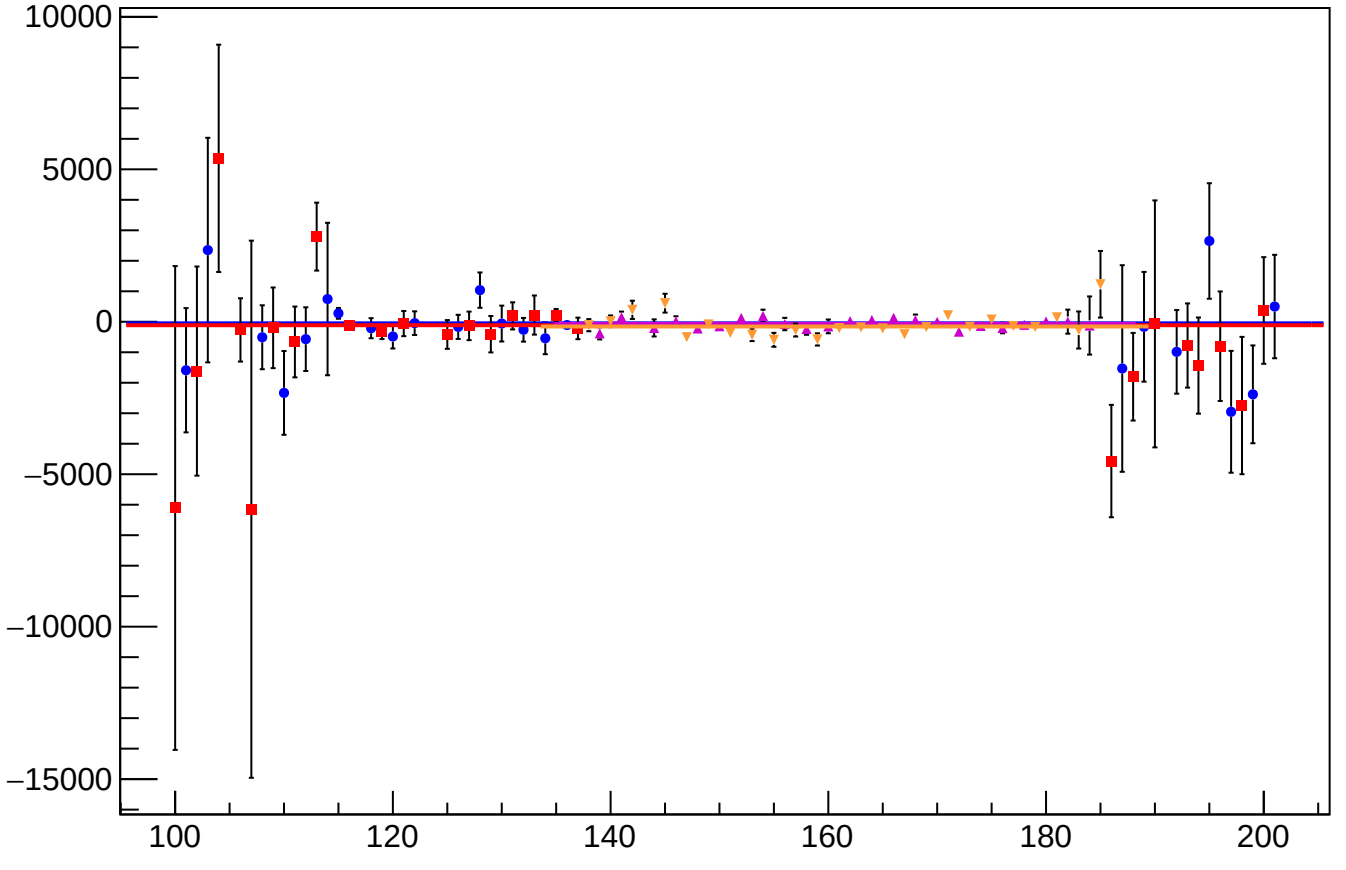
Right Out: 2267.670+/-0.444 χ^2/NDF: 200693.9/25

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2204.279+/-0.282 χ^2/NDF: 550615.0/46

All: 2210.155+/-0.198 χ^2/NDF: 776537.4/95

- sign 2215.953+/-0.280 χ^2/NDF: 225057.1/48



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: -112.934+/-85.270 χ^2/NDF: 24.8/25

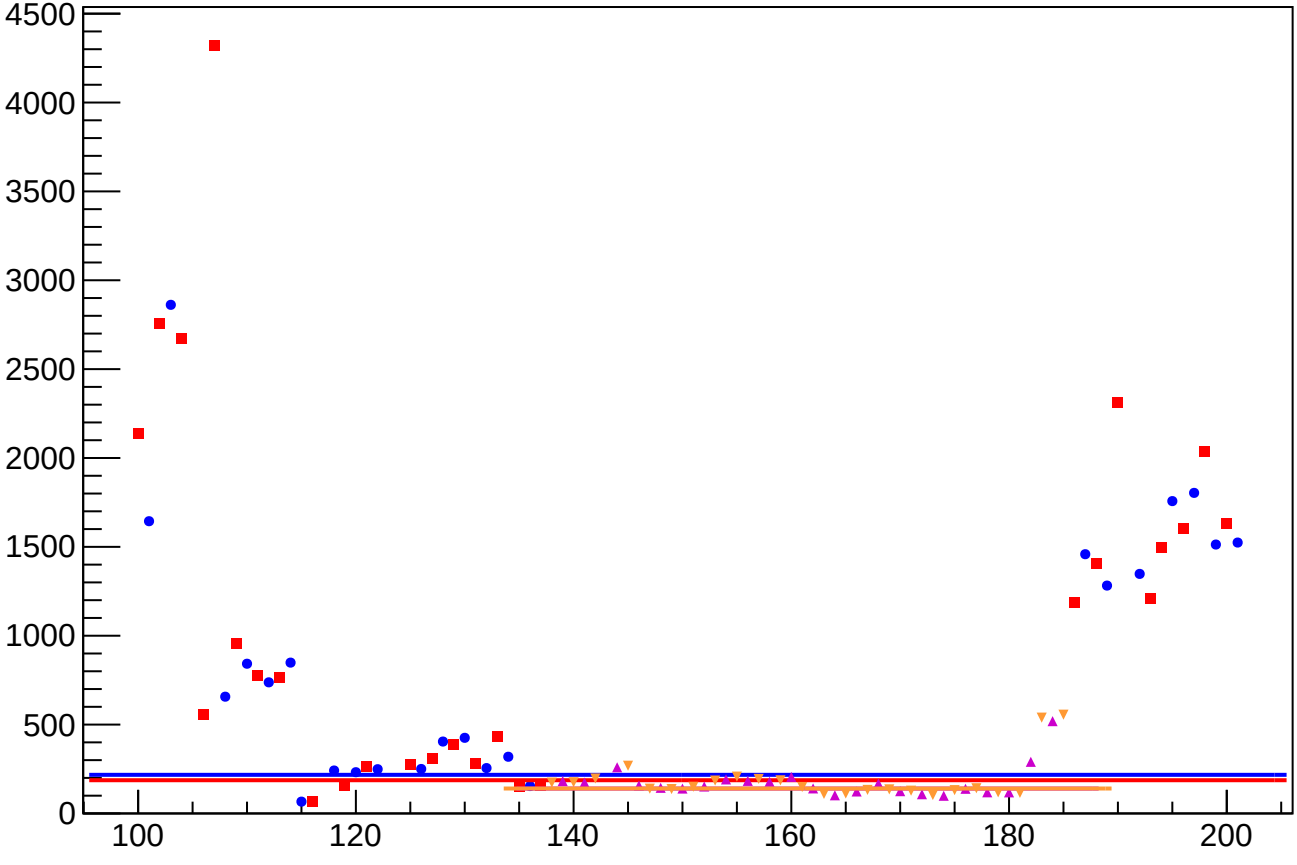
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -142.191+/-31.923 χ^2/NDF: 69.5/46

All: -108.947+/-22.510 χ^2/NDF: 115.6/95

- sign -76.073+/-31.746 χ^2/NDF: 44.0/48

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

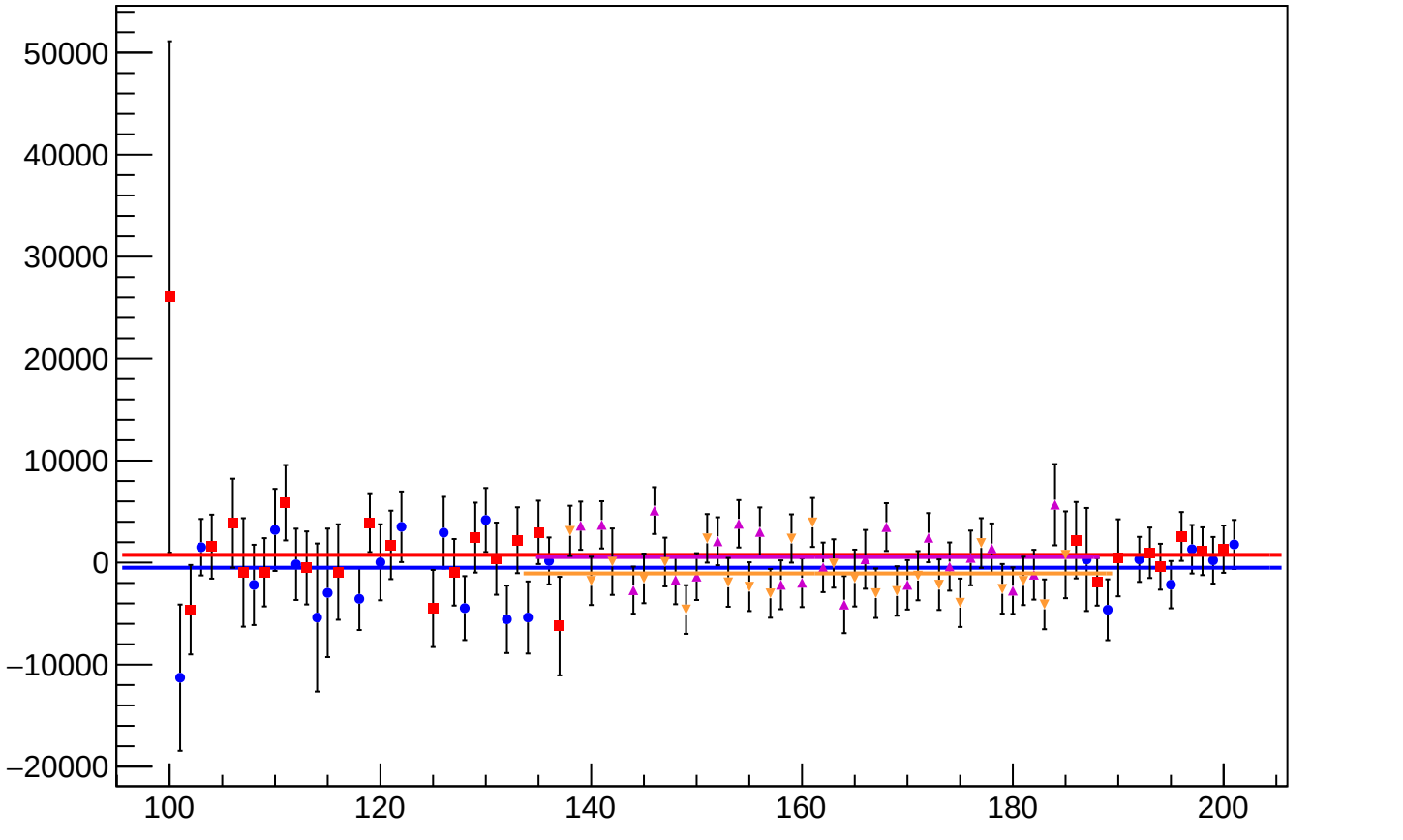
Right Out: 186.959+/-0.060 χ^2/NDF: 16245838.1/25

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 149.684+/-0.023 χ^2/NDF: 17159823.2/46

All: 148.078+/-0.016 χ^2/NDF: 36351145.3/95

- sign 146.490+/-0.022 χ^2/NDF: 19181256.1/48



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: 756.995+/-627.639 χ^2/NDF: 14.5/25

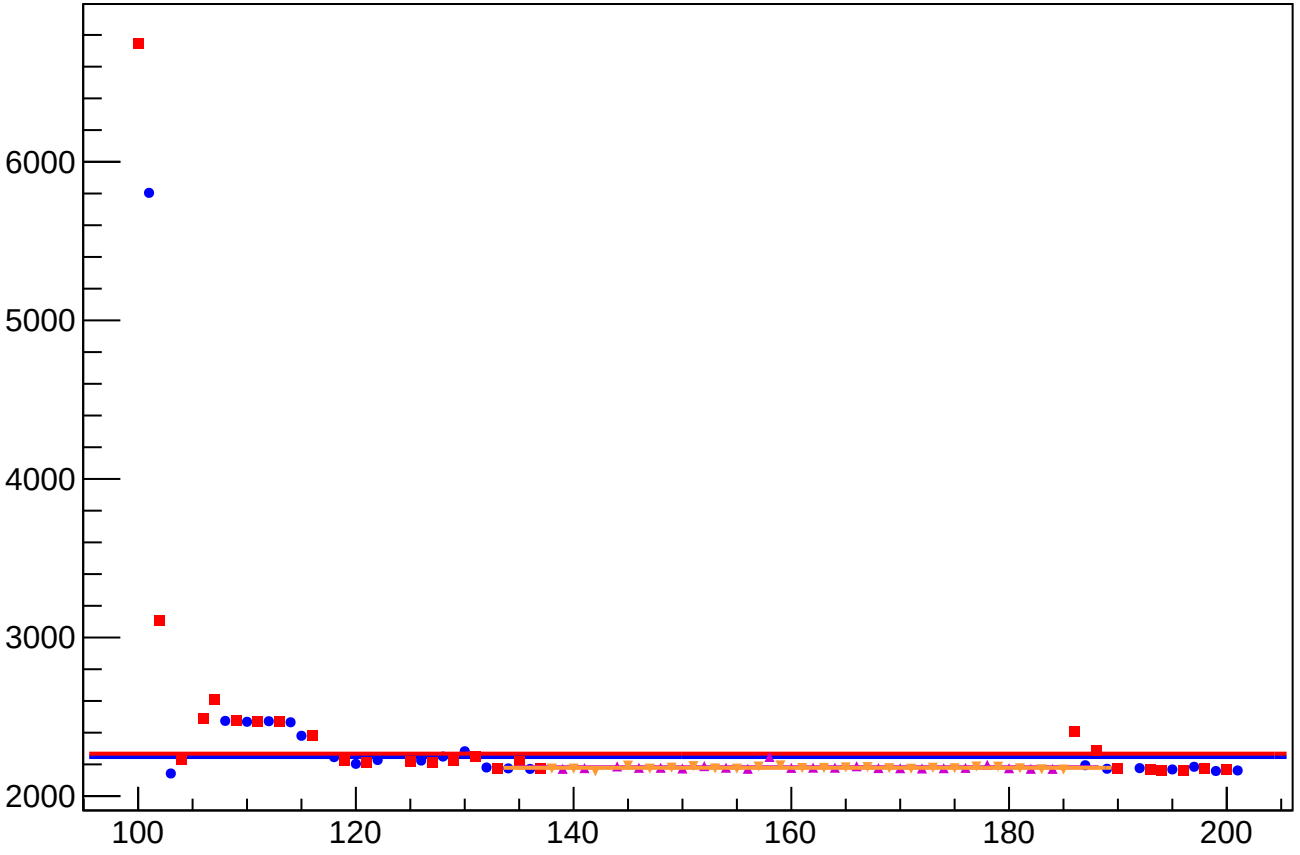
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -849.550+/-398.195 χ^2/NDF: 42.4/46

All: -105.454+/-280.623 χ^2/NDF: 91.9/95

- sign 628.749+/-395.540 χ^2/NDF: 42.5/48

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

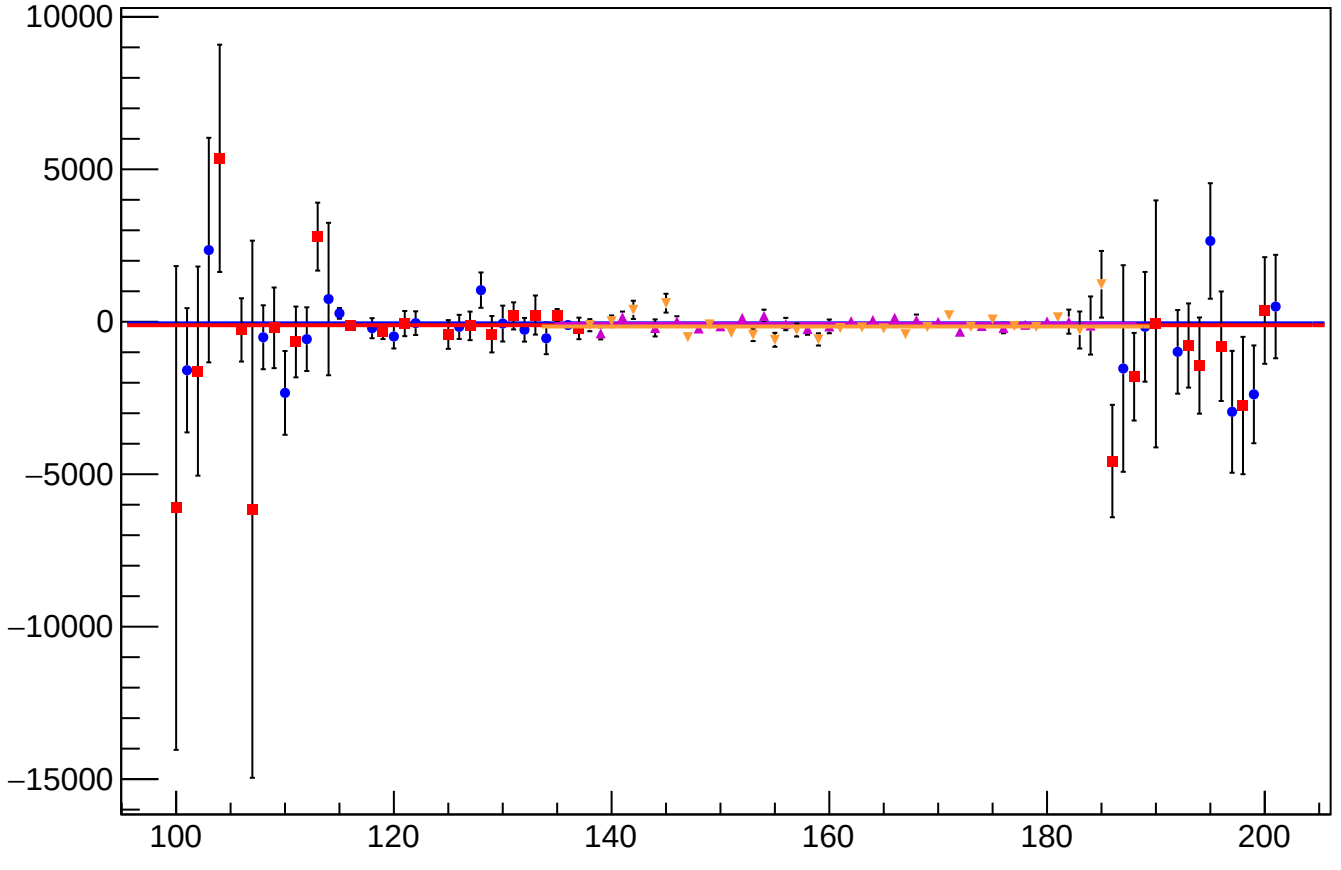
Right Out: 2267.670+/-0.444 χ^2/NDF: 200693.8/25

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2204.279+/-0.282 χ^2/NDF: 550615.0/46

All: 2210.155+/-0.198 χ^2/NDF: 776537.3/95

- sign 2215.953+/-0.280 χ^2/NDF: 225057.0/48



Right In: -51.623+/-91.555 χ^2/NDF: 21.1/22

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

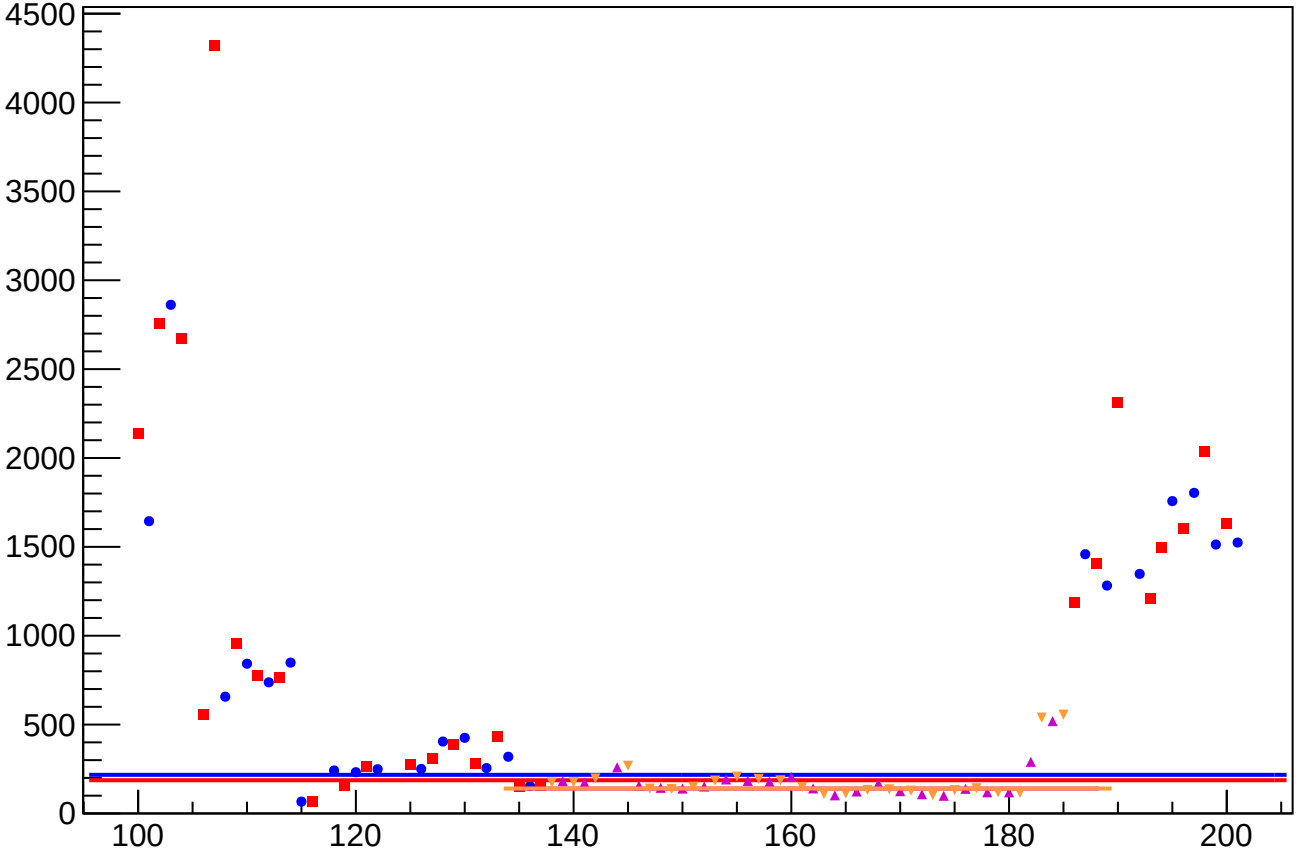
Right Out: -112.935+/-85.269 χ^2/NDF: 24.8/25

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

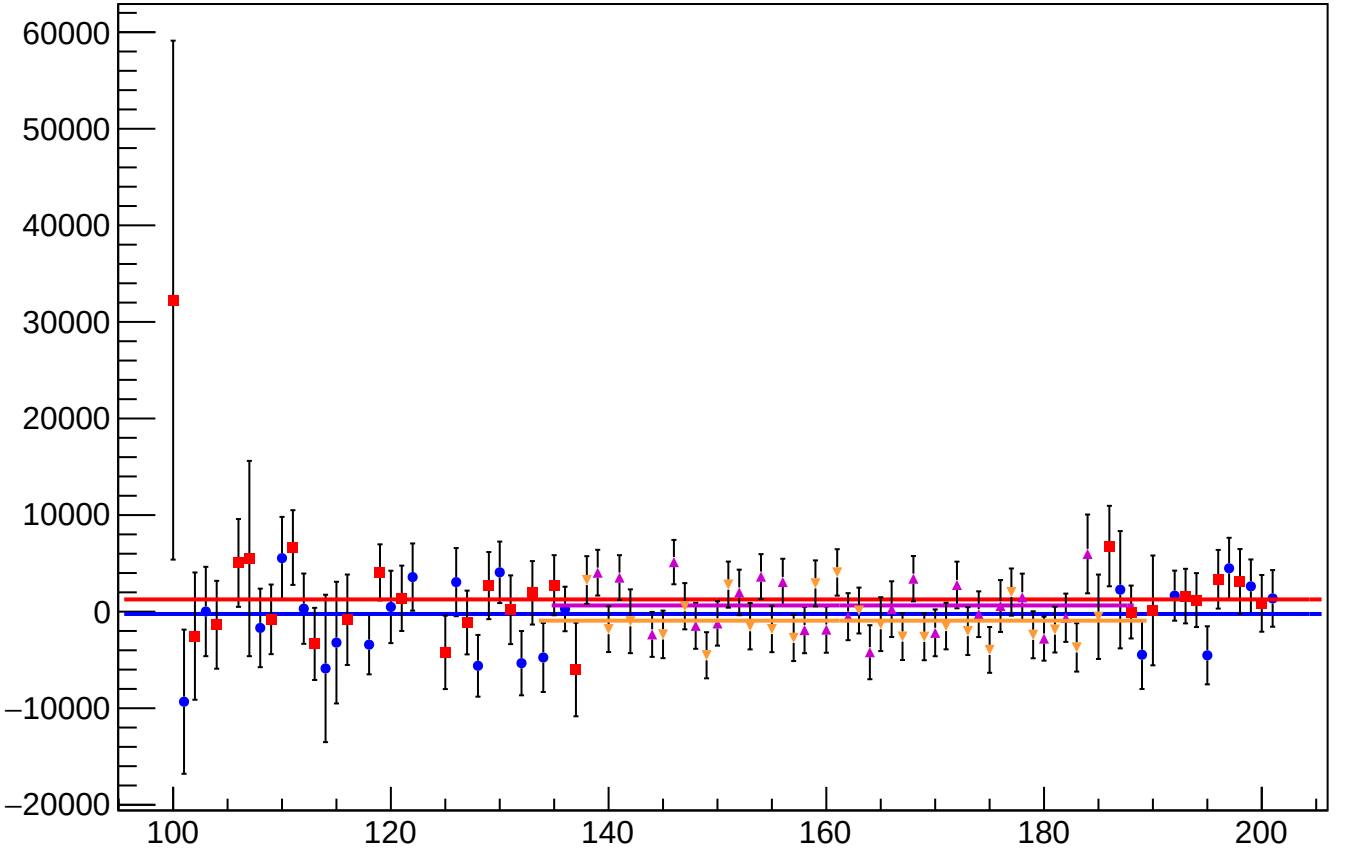
+ sign -142.191+/-31.923 χ^2/NDF: 69.5/46

All: -108.947+/-22.510 χ^2/NDF: 115.6/95

- sign -76.072+/-31.746 χ^2/NDF: 44.0/48


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: 186.956+/-0.060 χ²/NDF: 16245931.2/25
Left In: 139.979+/-0.024 χ²/NDF:2412509.5/22
+ sign 149.684+/-0.023 χ²/NDF: 17159807.2/46
All: 148.078+/-0.016 χ²/NDF: 36351222.8/95
- sign 146.490+/-0.022 χ²/NDF: 19181347.7/48

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: 1266.499+/-716.342 χ^2/NDF: 16.0/25

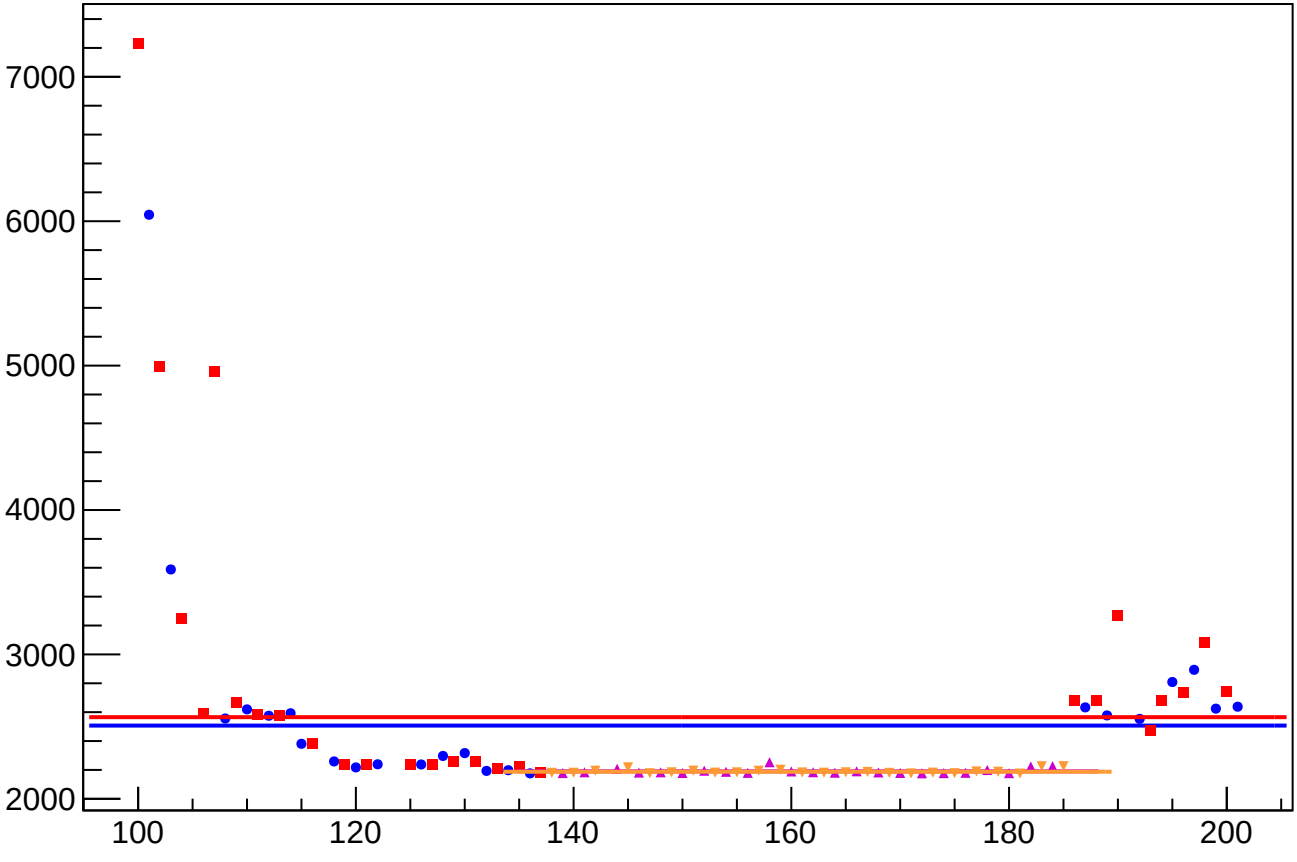
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -704.206+/-415.863 χ^2/NDF: 46.8/46

All: 73.924+/-294.180 χ^2/NDF: 97.3/95

- sign 853.327+/-416.203 χ^2/NDF: 43.5/48

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

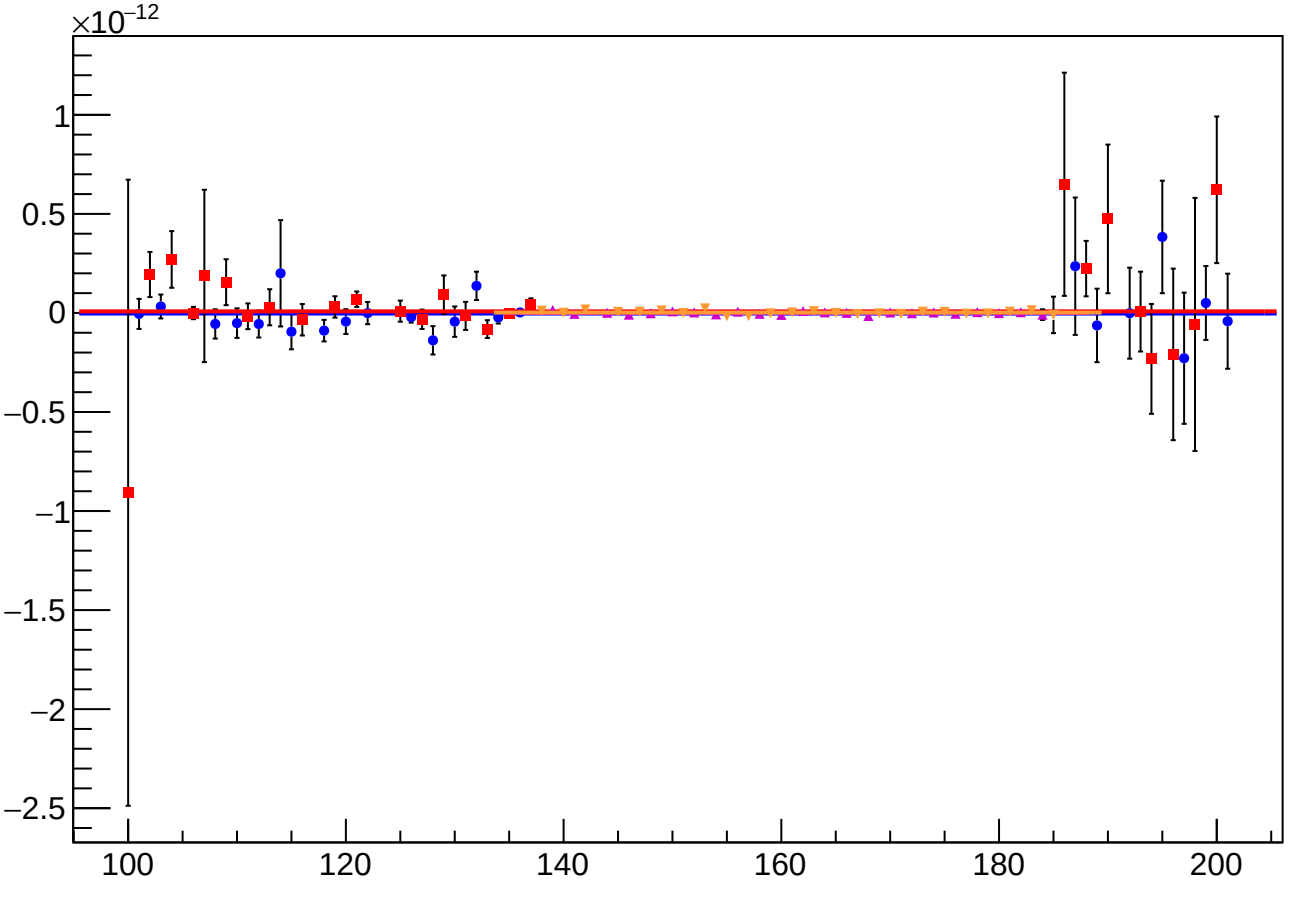
Right Out: 2565.365+/-0.507 χ^2/NDF: 766501.7/25

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2292.763+/-0.294 χ^2/NDF: 1022180.1/46

All: 2304.783+/-0.208 χ^2/NDF: 2158028.4/95

- sign 2316.822+/-0.294 χ^2/NDF: 1132504.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

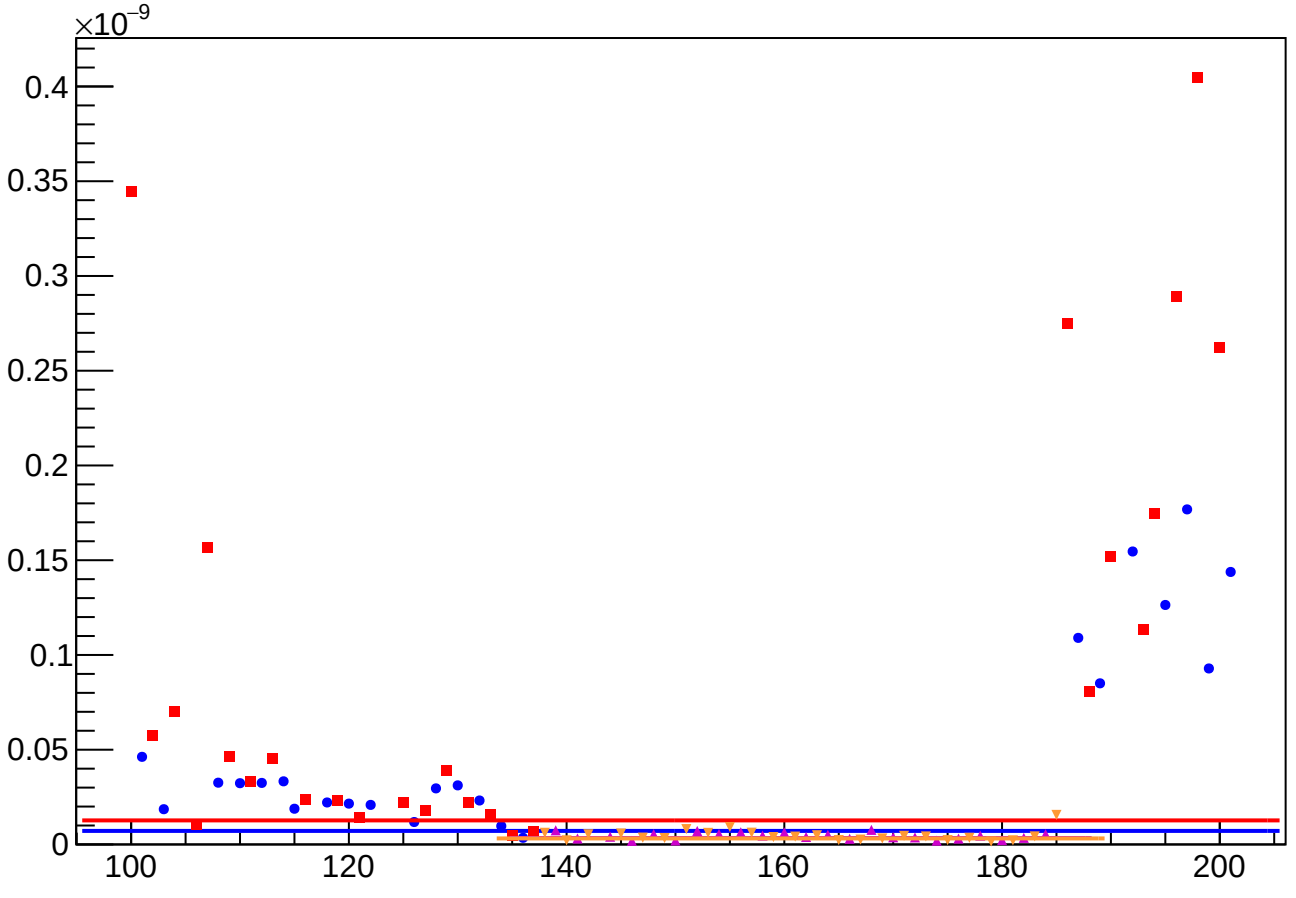
Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/25

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: 80.8/95

- sign 0.000+/-0.000 χ^2/NDF: 41.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 6170007.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

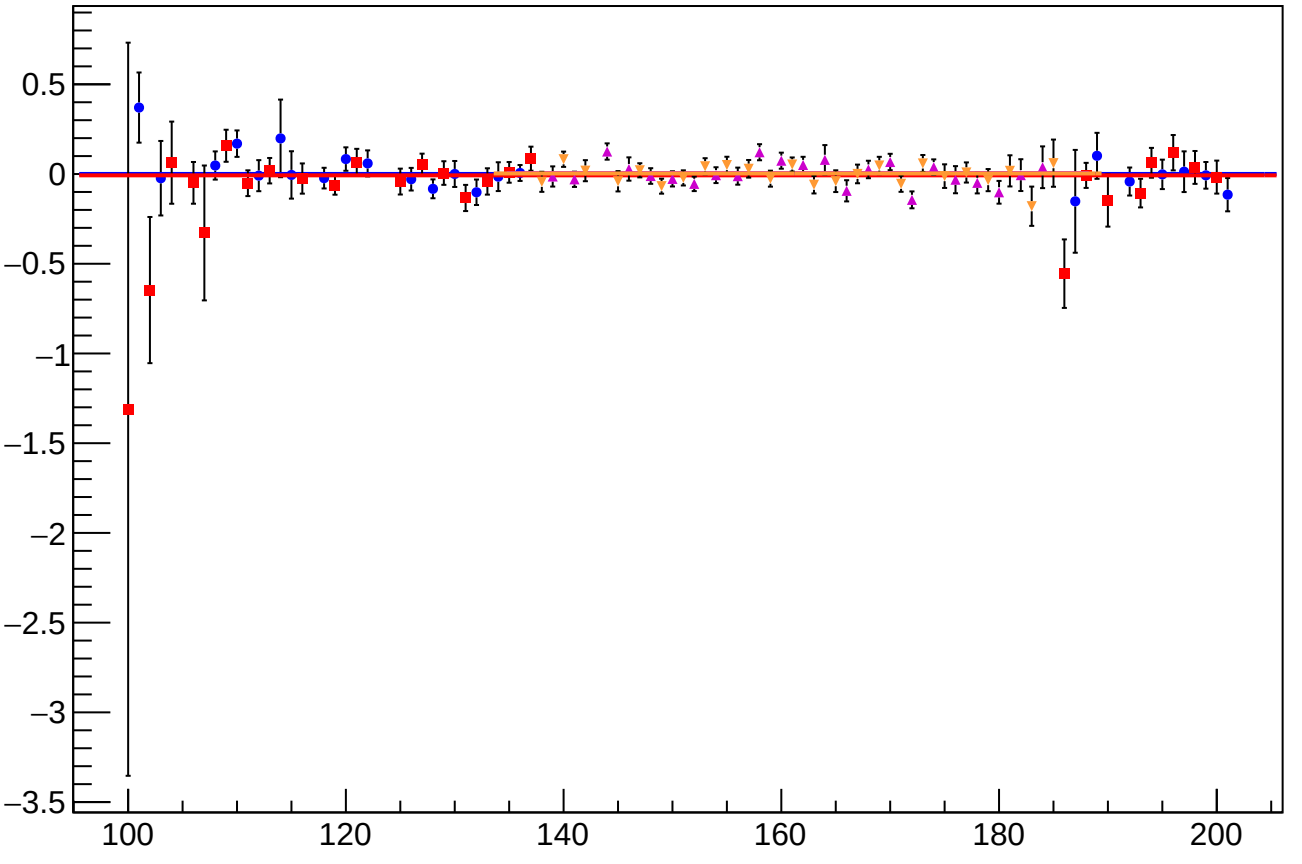
Right Out: 0.000+/-0.000 χ^2/NDF: 7574944.7/25

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: 20081497.1/95

- sign 0.000+/-0.000 χ^2/NDF: 11063369.5/48



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/22

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

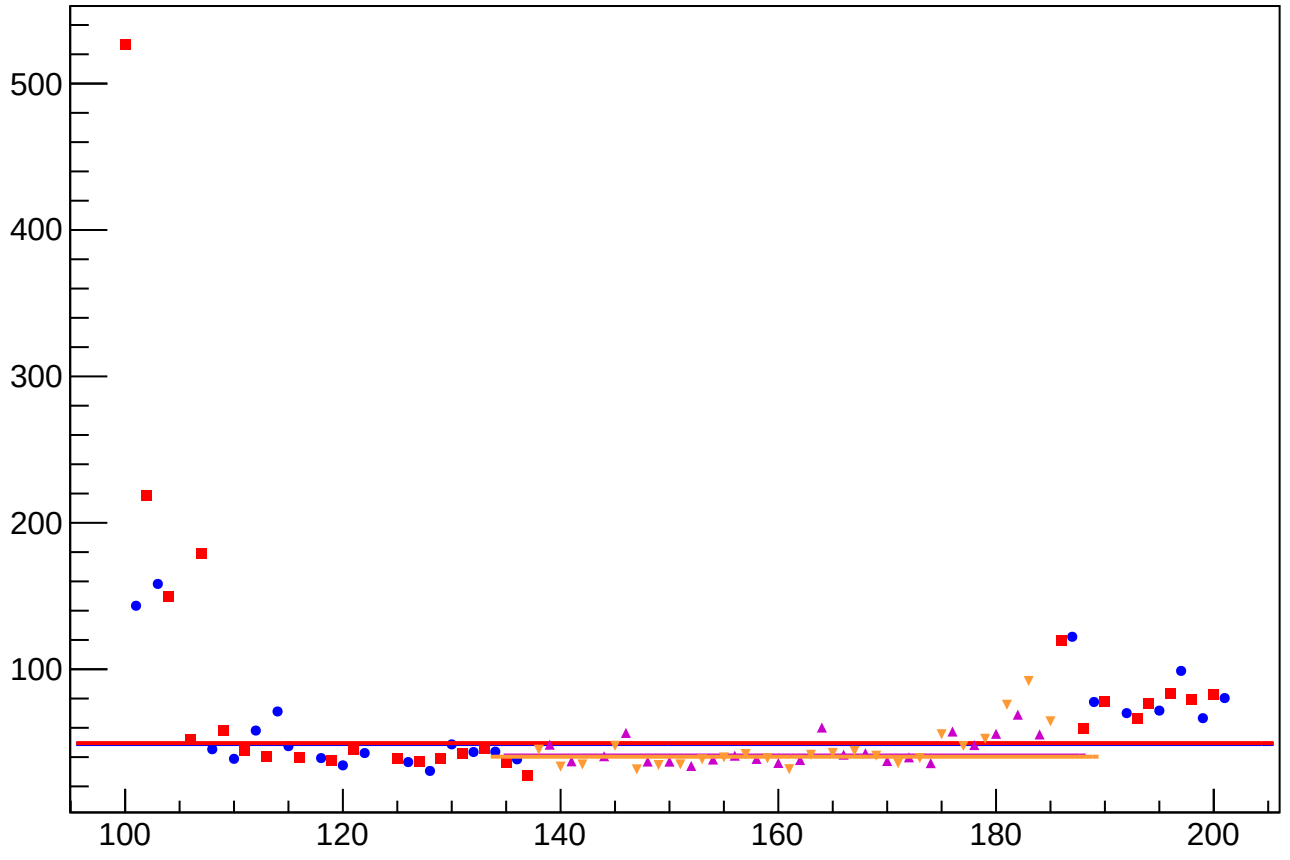
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/25

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: 113.4/95

- sign 0.001+/-0.009 χ^2/NDF: 71.5/48



Right In: 48.913+/-0.012 χ^2/NDF: 2990875.6/22

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

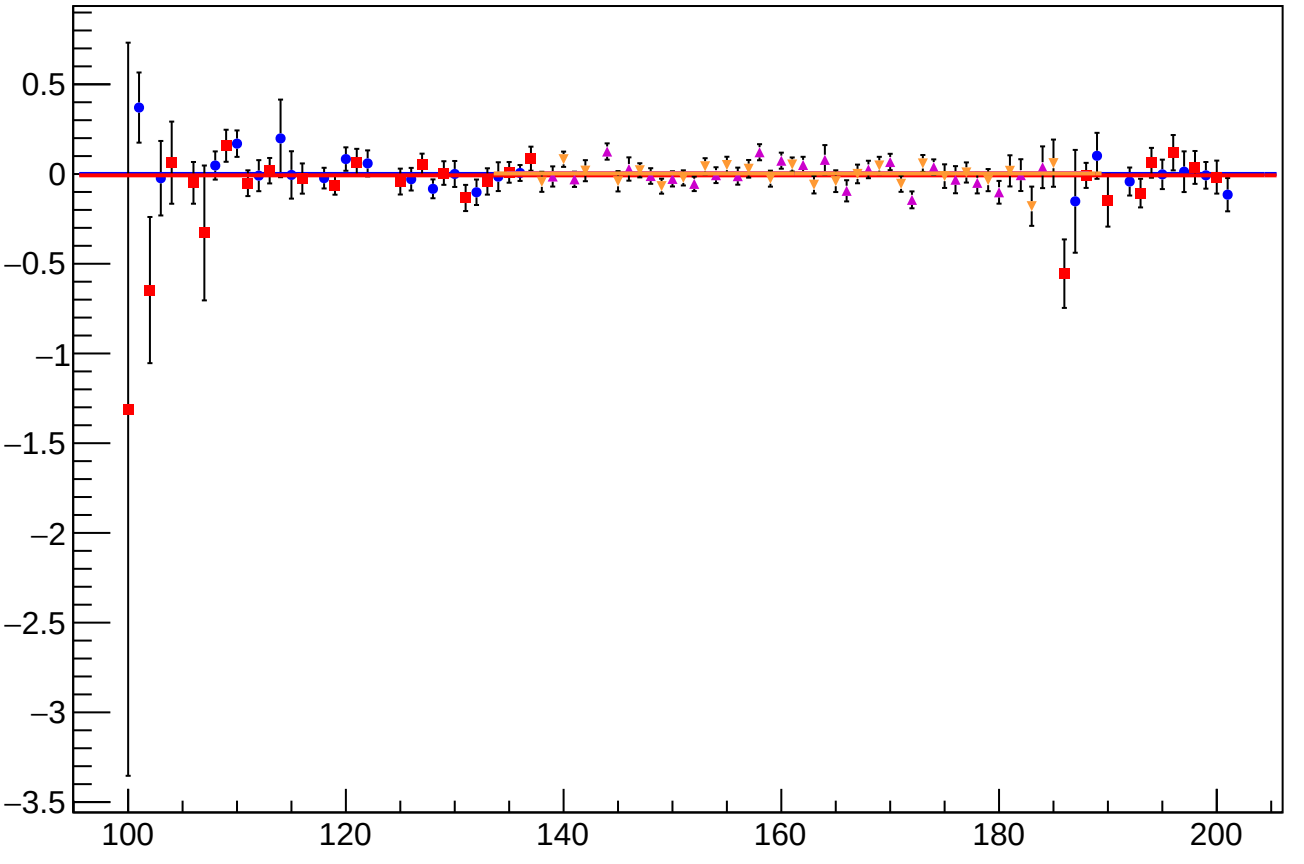
Right Out: 49.566+/-0.011 χ^2/NDF: 3196308.2/25

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 42.764+/-0.006 χ^2/NDF: 4879399.9/46

All: 43.185+/-0.004 χ^2/NDF: 9397230.0/95

- sign 43.616+/-0.006 χ^2/NDF: 4508456.3/48



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/22

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

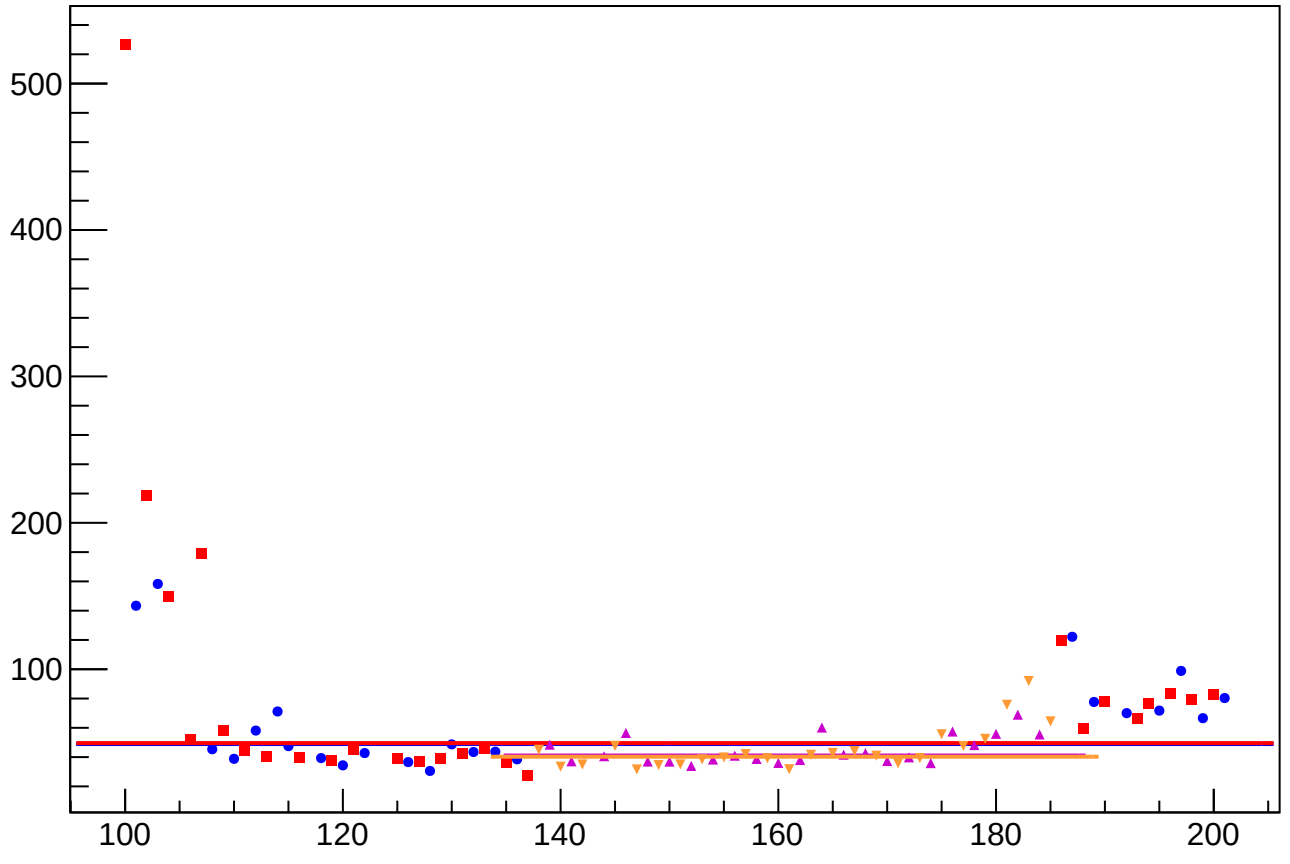
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/25

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: 113.4/95

- sign 0.001+/-0.009 χ^2/NDF: 71.5/48



Right In: 48.913+/-0.012 χ^2/NDF: 2990875.6/22

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

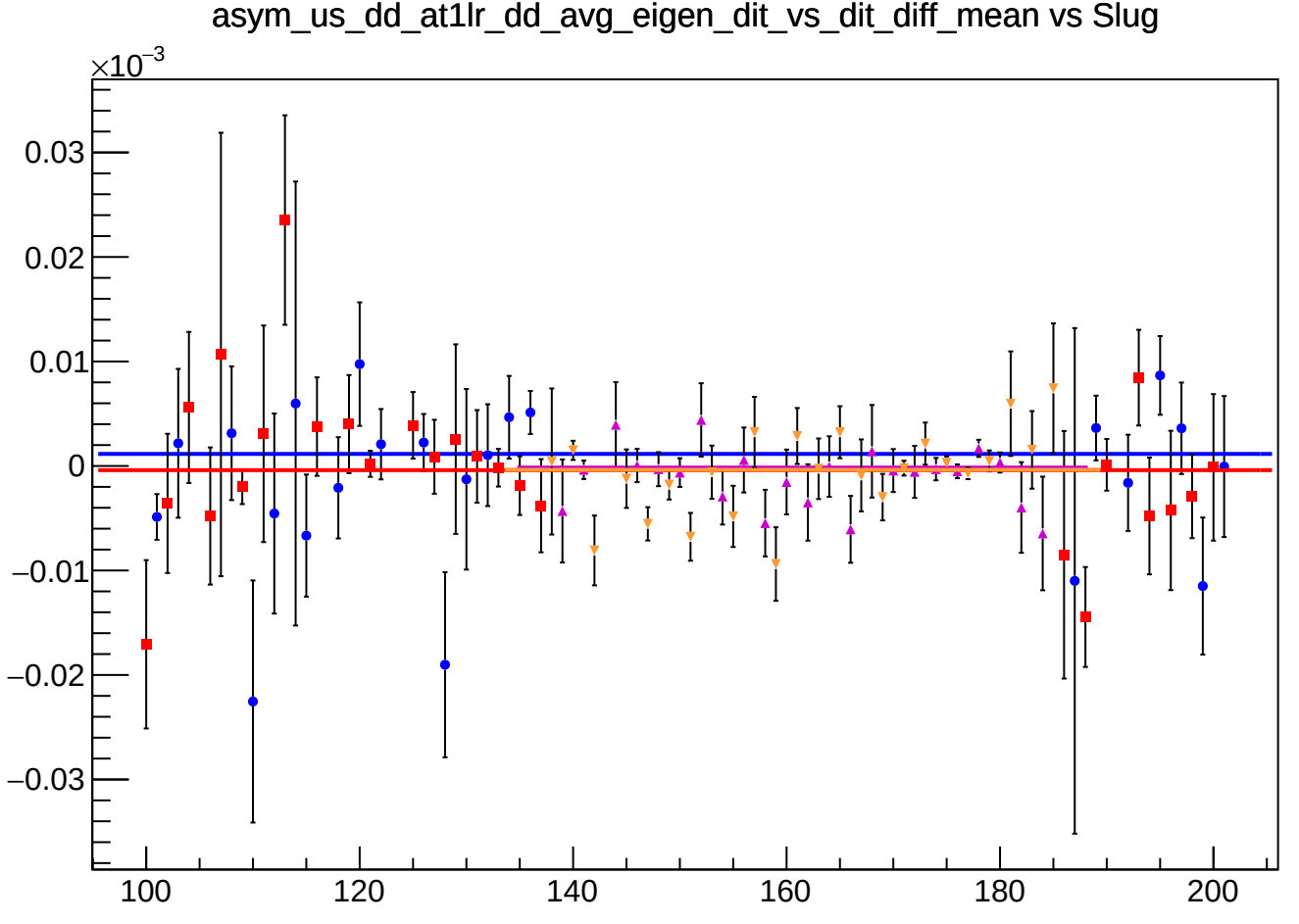
Right Out: 49.566+/-0.011 χ^2/NDF: 3196308.2/25

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 42.764+/-0.006 χ^2/NDF: 4879399.9/46

All: 43.185+/-0.004 χ^2/NDF: 9397230.0/95

- sign 43.616+/-0.006 χ^2/NDF: 4508456.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

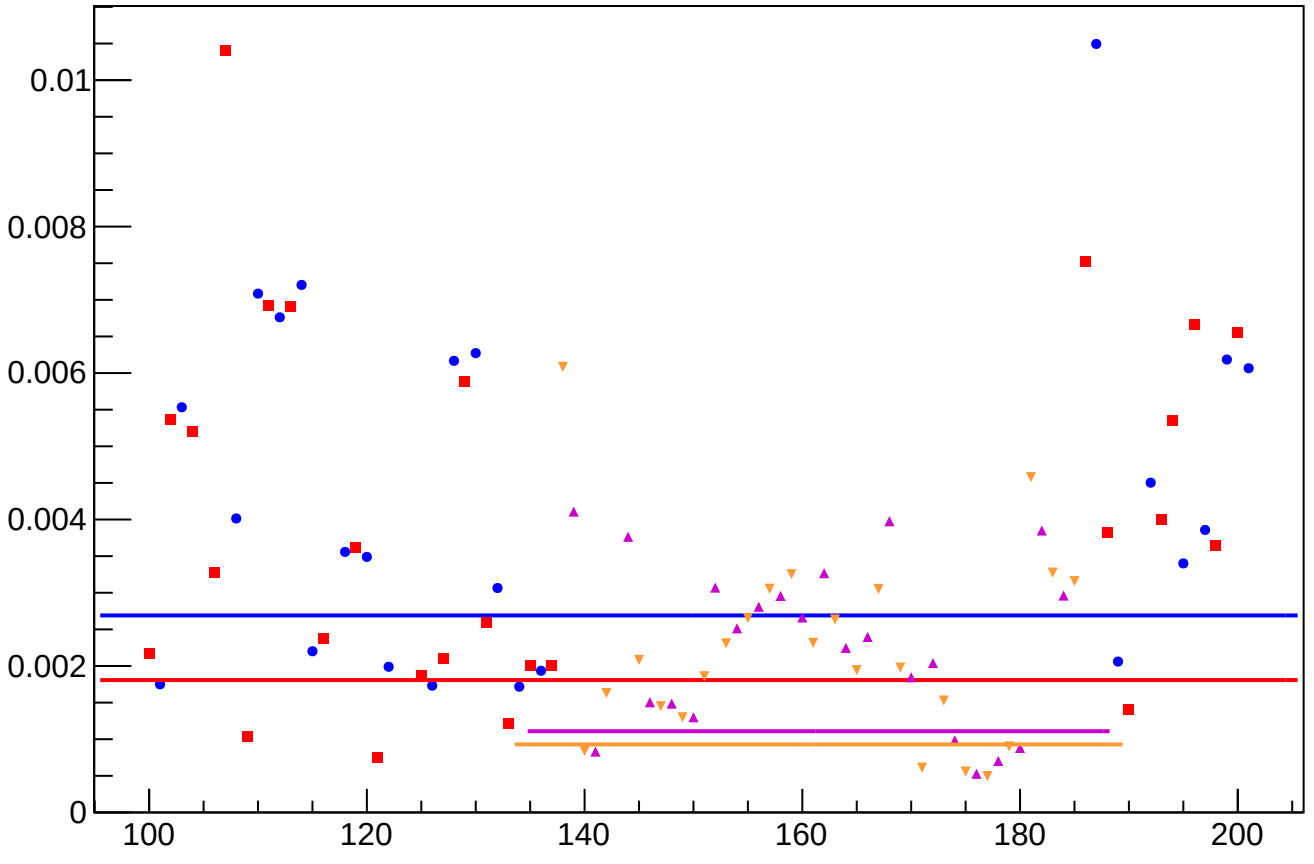
Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/25

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: 141.6/95

- sign -0.000+/-0.000 χ^2/NDF: 51.7/48



Right In: 0.003+/-0.000 χ^2/NDF: 4900754.7/22

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

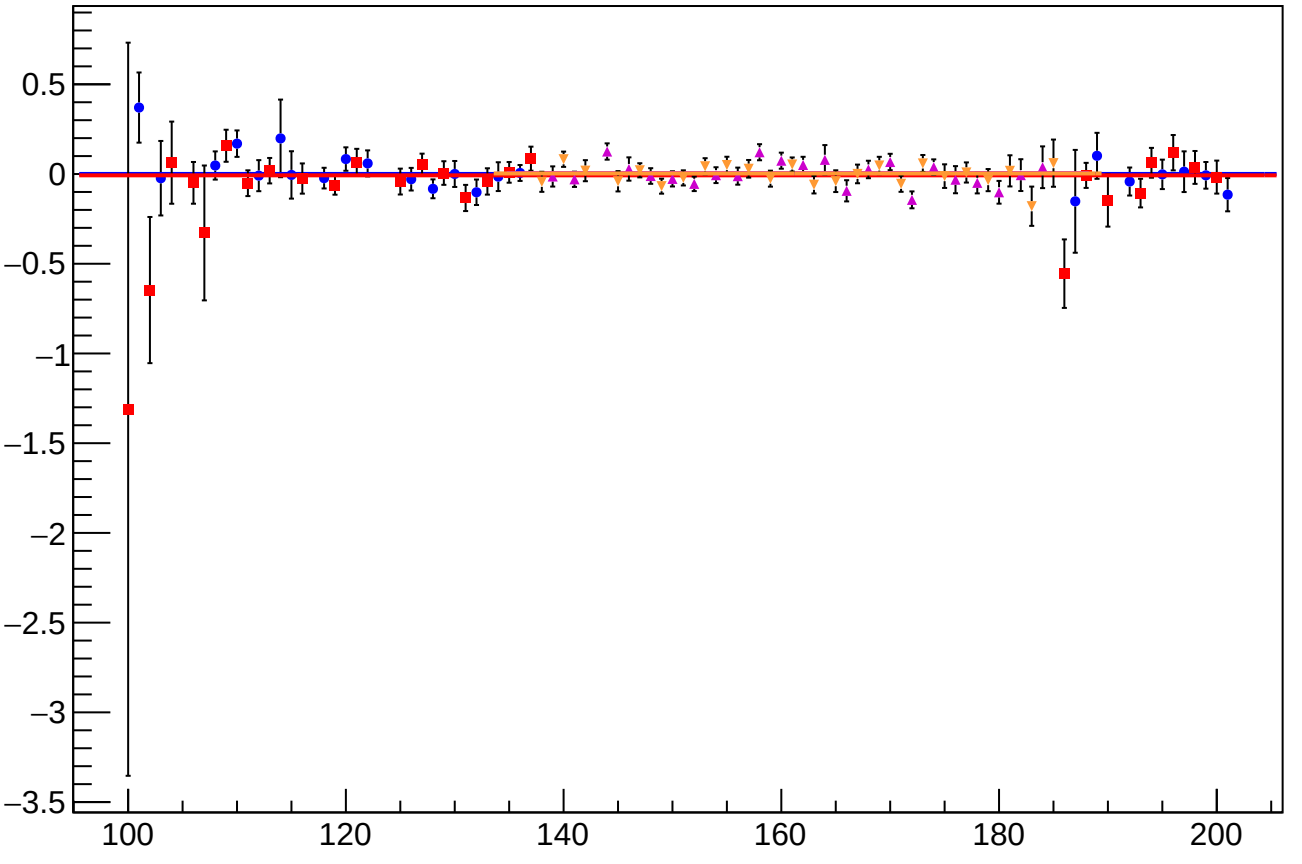
Right Out: 0.002+/-0.000 χ^2/NDF: 9632406.5/25

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 24730862.0/46

All: 0.001+/-0.000 χ^2/NDF: 47431774.1/95

- sign 0.001+/-0.000 χ^2/NDF: 22389181.5/48



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/22

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

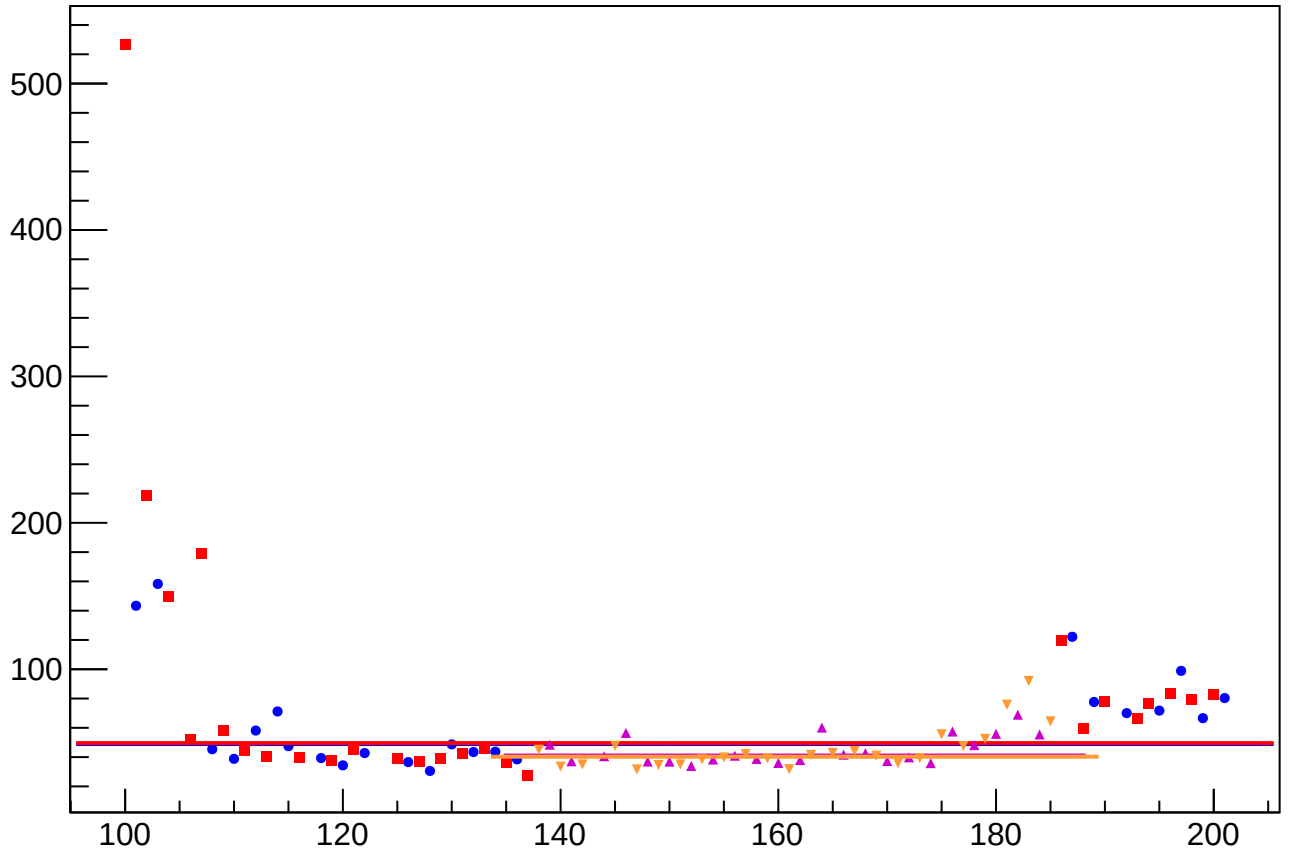
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/25

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: 113.4/95

- sign 0.001+/-0.009 χ^2/NDF: 71.4/48



Right In: 48.911+/-0.012 χ^2/NDF: 2991320.3/22

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

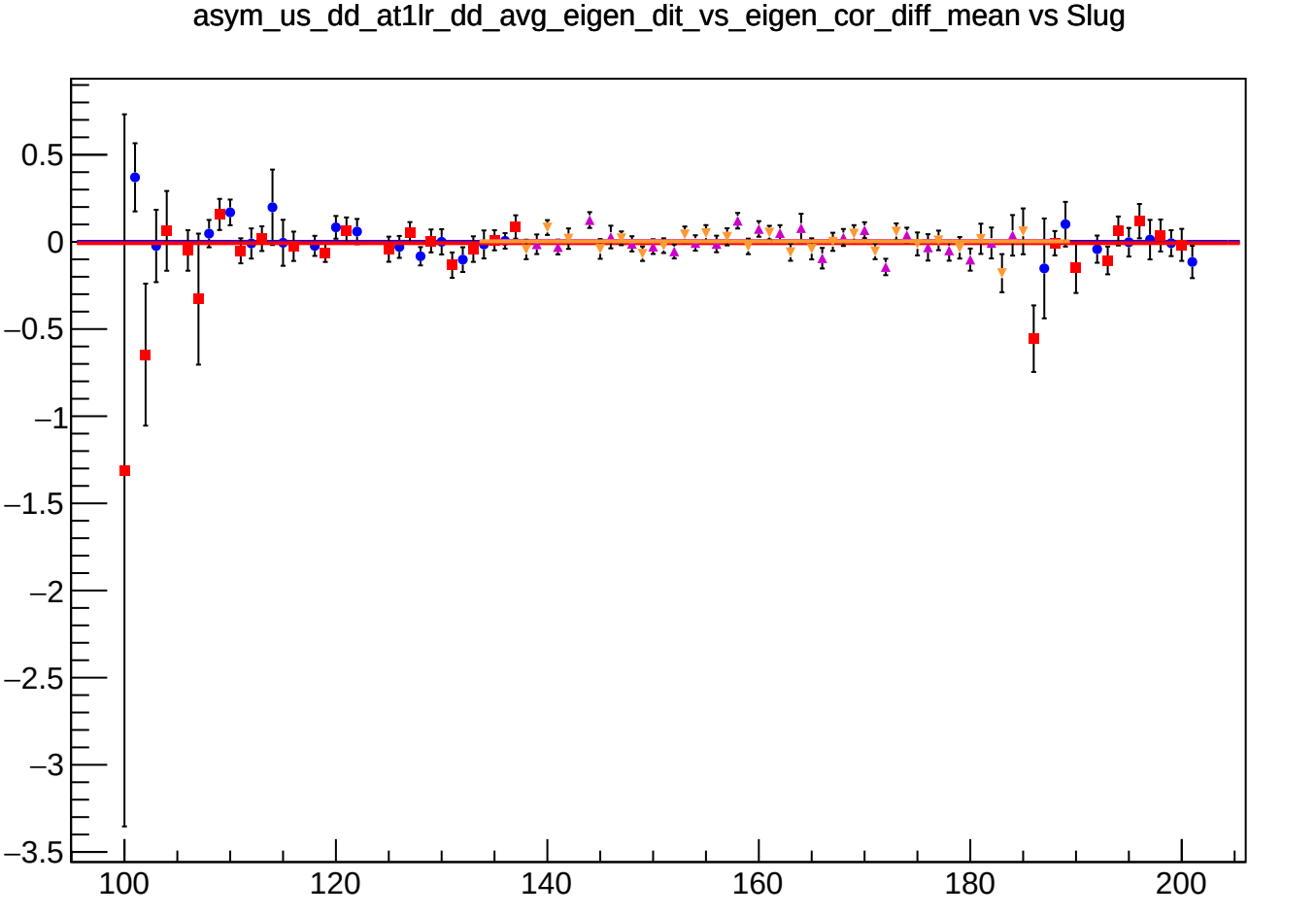
Right Out: 49.566+/-0.011 χ^2/NDF: 3196263.3/25

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 42.763+/-0.006 χ^2/NDF: 4879617.1/46

All: 43.185+/-0.004 χ^2/NDF: 9397499.4/95

- sign 43.616+/-0.006 χ^2/NDF: 4508494.4/48



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/22

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

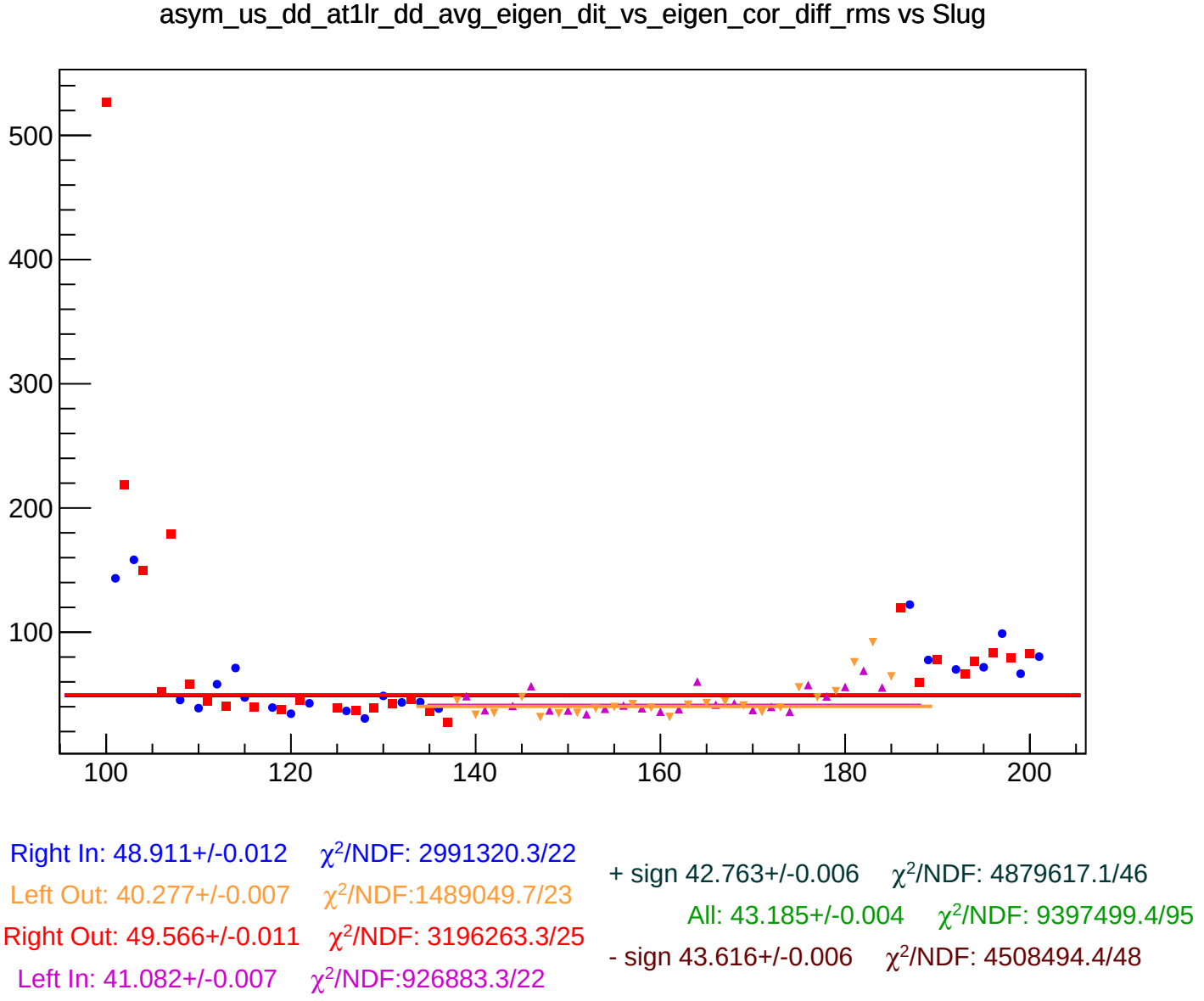
Right Out: -0.007+/-0.016 χ^2/NDF: 29.6/25

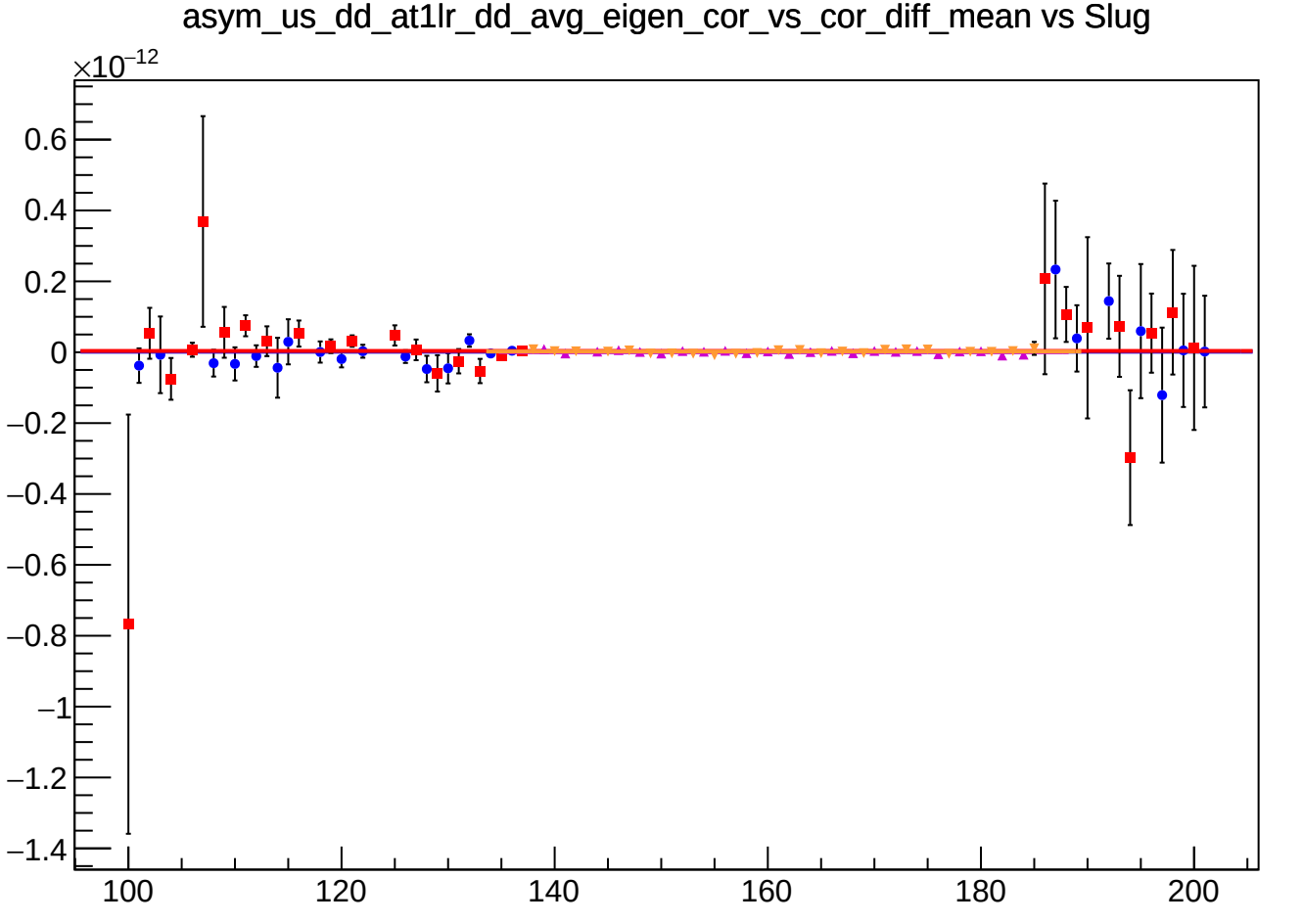
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/46

All: 0.002+/-0.006 χ^2/NDF: 113.4/95

- sign 0.001+/-0.009 χ^2/NDF: 71.4/48


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: 49.566+/-0.011 χ²/NDF: 3196263.3/25
Left In: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 42.763+/-0.006 χ²/NDF: 4879617.1/46
All: 43.185+/-0.004 χ²/NDF: 9397499.4/95
- sign 43.616+/-0.006 χ²/NDF: 4508494.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

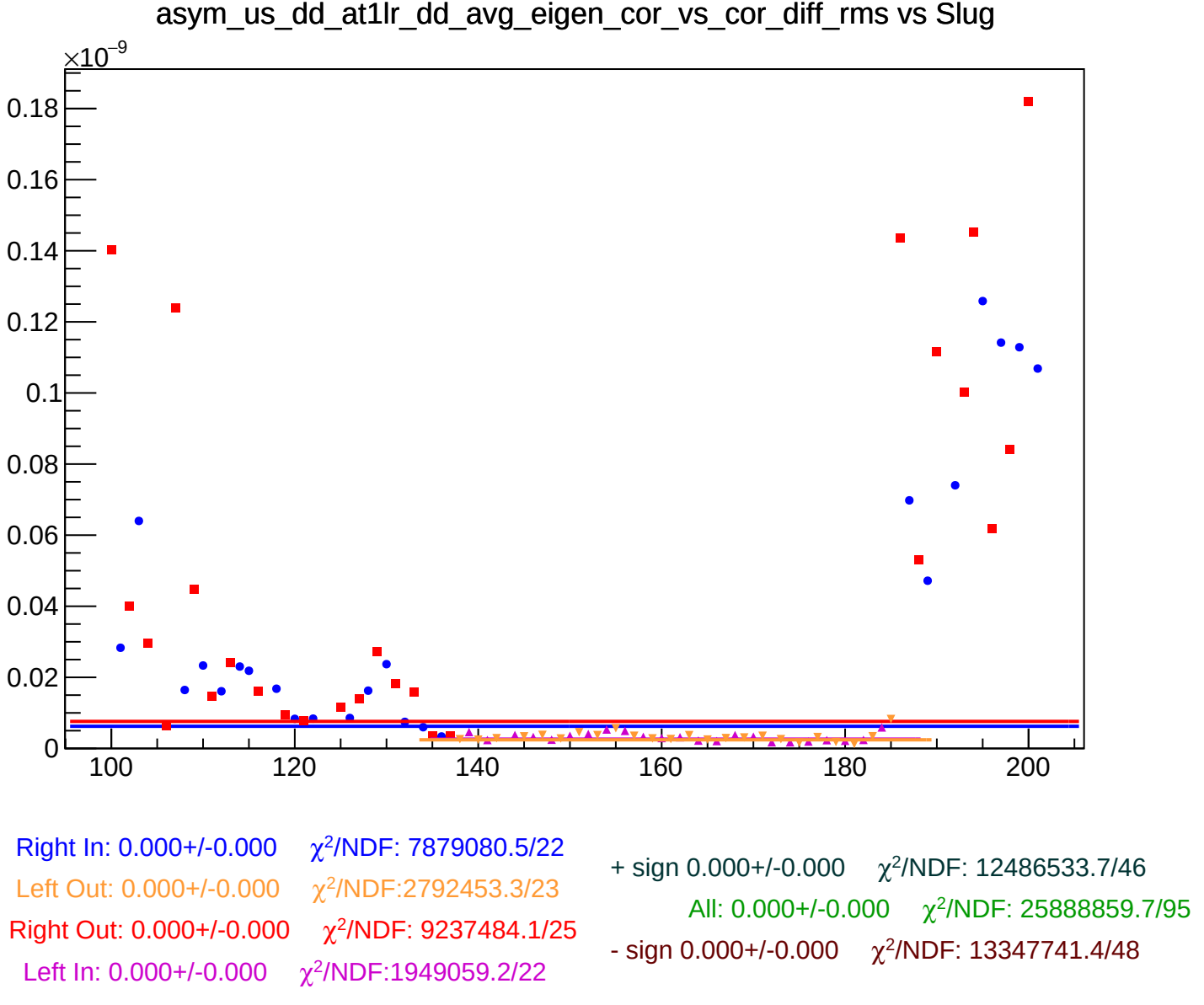
Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/25

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

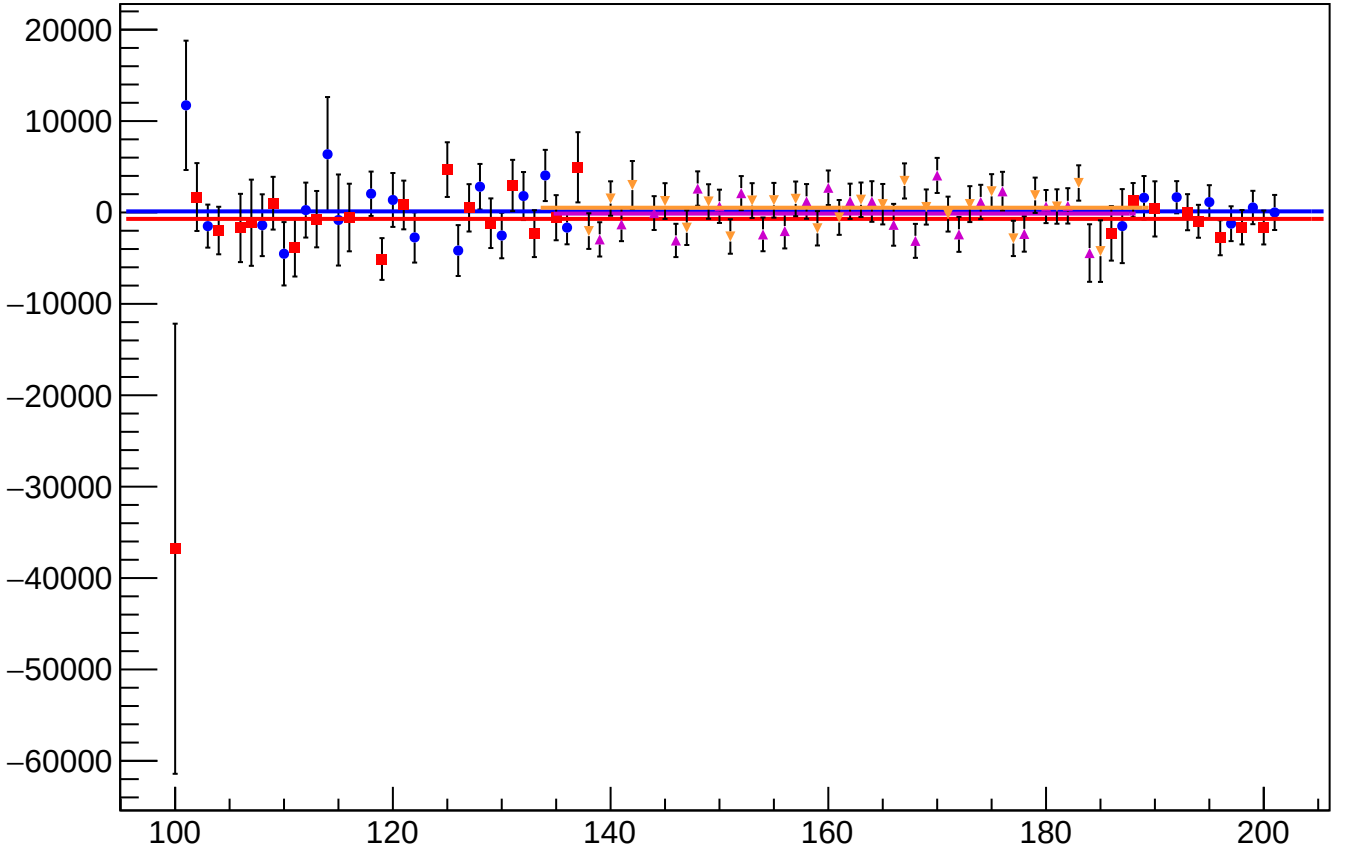
+ sign 0.000+/-0.000 χ^2/NDF: 39.6/46

All: 0.000+/-0.000 χ^2/NDF: 99.7/95

- sign 0.000+/-0.000 χ^2/NDF: 58.2/48


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: 9237484.1/25
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: 25888859.7/95
- sign 0.000+/-0.000 χ²/NDF: 13347741.4/48

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: -703.532+/-506.719 χ^2/NDF: 19.4/25

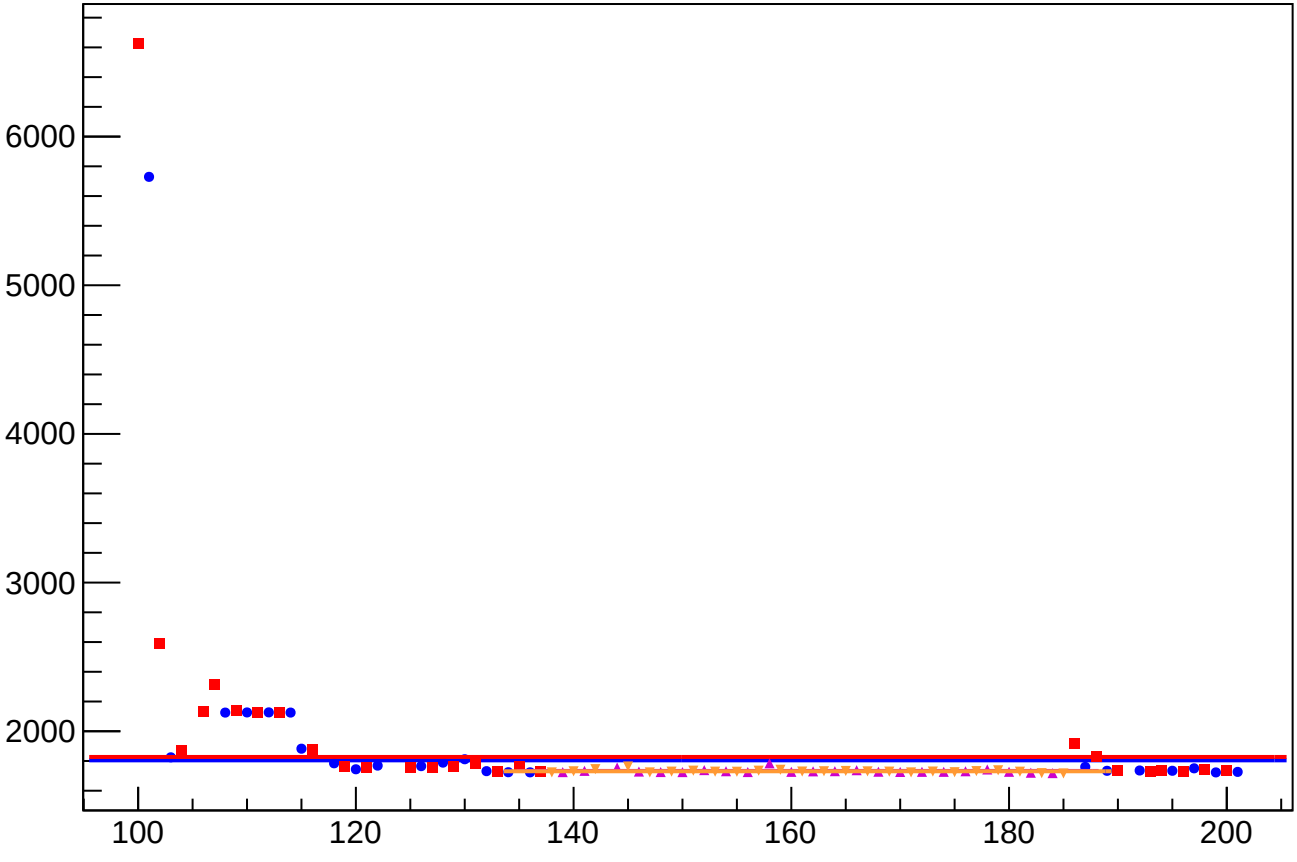
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 370.741+/-318.074 χ^2/NDF: 39.4/46

All: 7.781+/-224.243 χ^2/NDF: 91.6/95

- sign -350.891+/-316.190 χ^2/NDF: 49.6/48

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

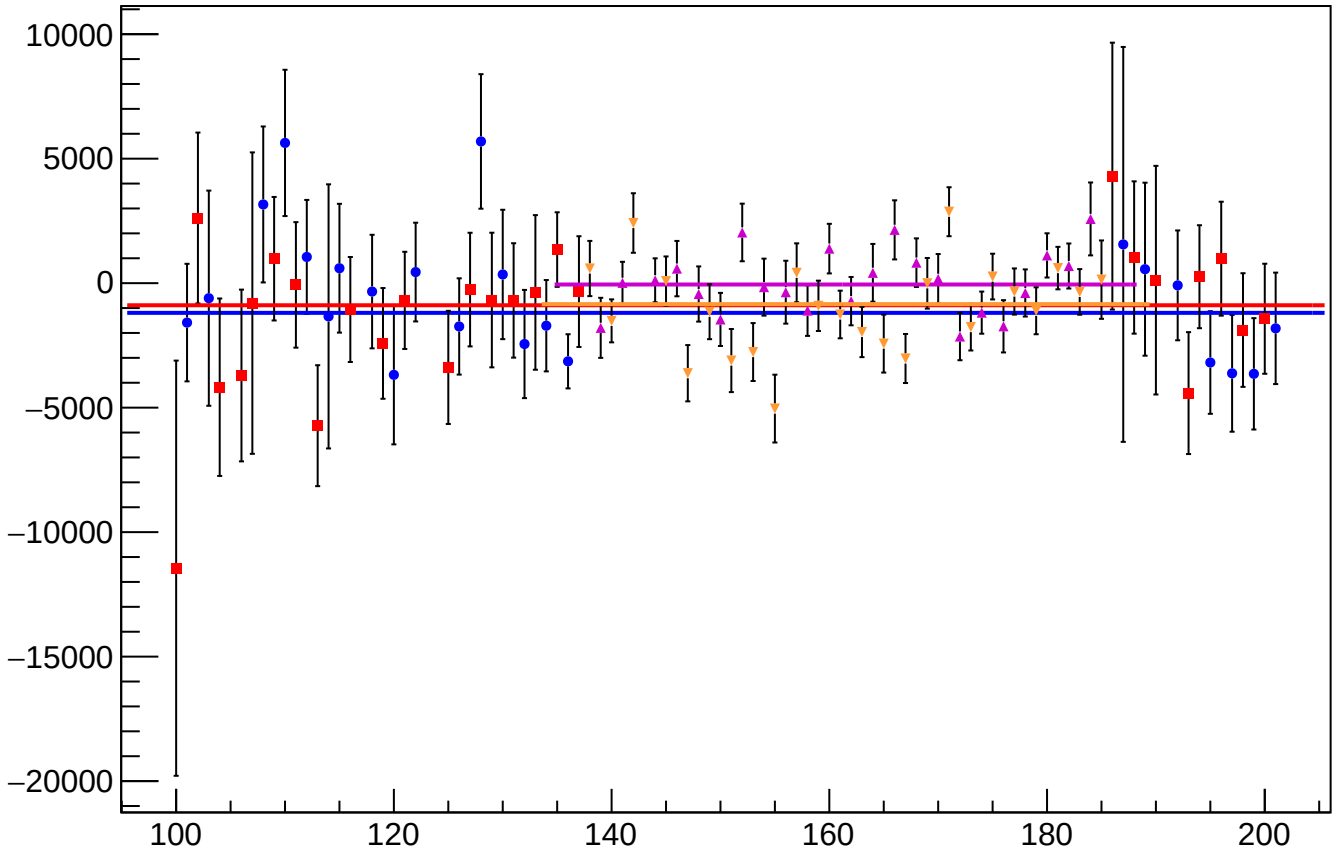
Right Out: 1827.052+/-0.358 χ^2/NDF: 296950.2/25

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1758.252+/-0.225 χ^2/NDF: 731247.7/46

All: 1763.972+/-0.159 χ^2/NDF: 1073789.3/95

- sign 1769.625+/-0.224 χ^2/NDF: 341255.3/48



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: -887.415+/-493.267 χ^2/NDF: 17.6/25

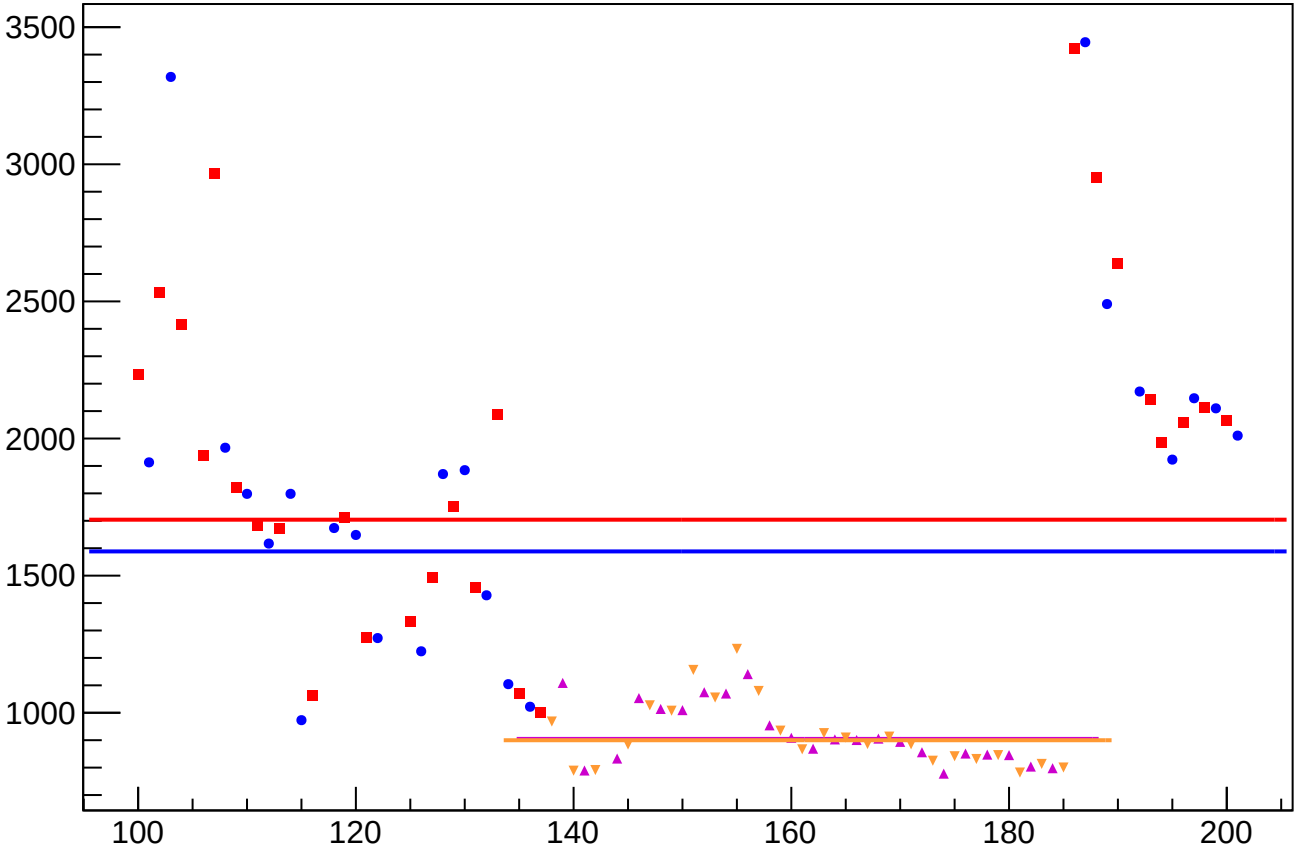
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -900.053+/-192.728 χ^2/NDF: 88.0/46

All: -547.604+/-137.256 χ^2/NDF: 145.5/95

- sign -184.864+/-195.521 χ^2/NDF: 50.6/48

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: 1704.019+/-0.349 χ^2/NDF: 2159253.2/25

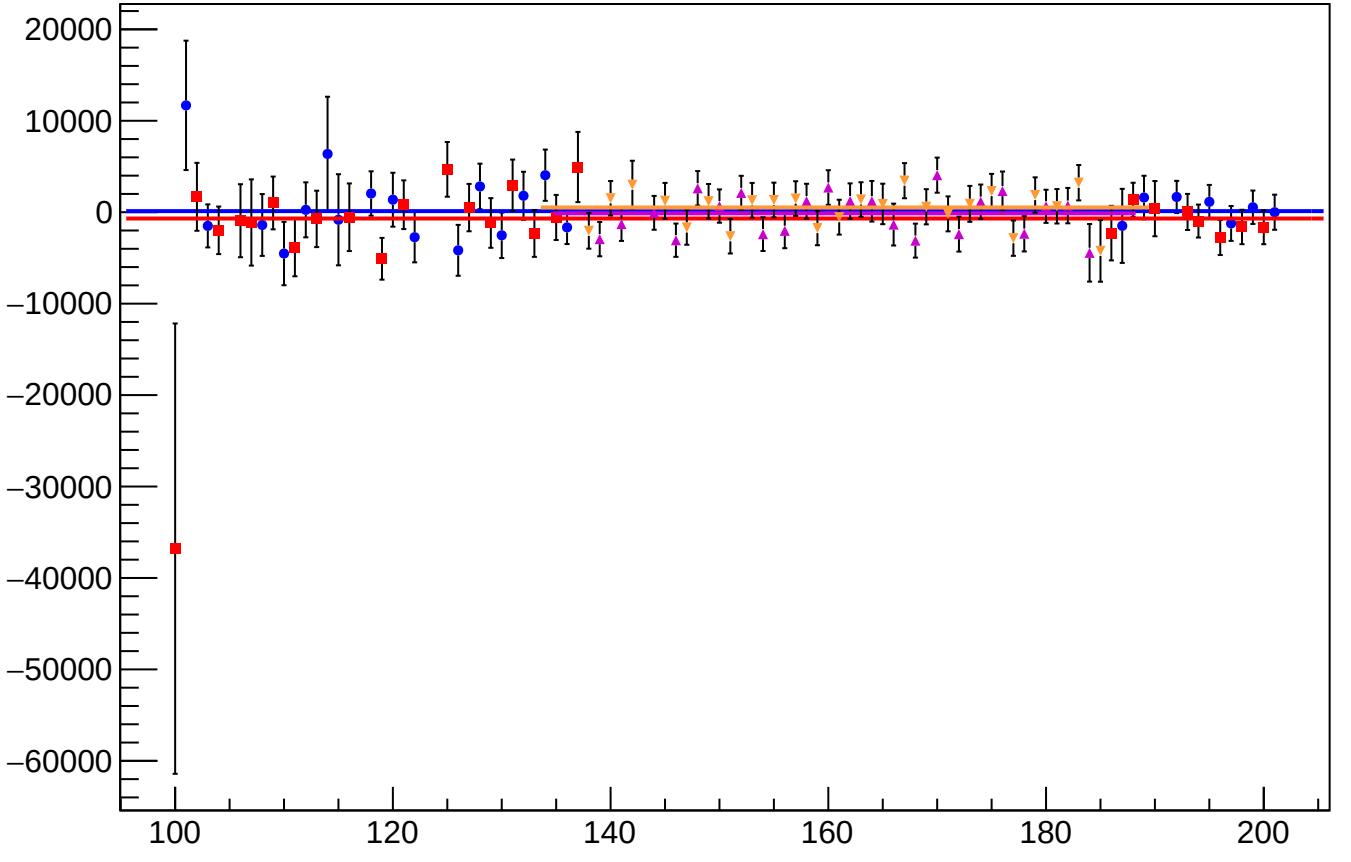
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1013.094+/-0.136 χ^2/NDF: 6114856.5/46

All: 1021.548+/-0.097 χ^2/NDF: 13161298.6/9

- sign 1030.250+/-0.138 χ^2/NDF: 7038631.8/48

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: -689.127+/-507.304 χ^2/NDF: 19.3/25

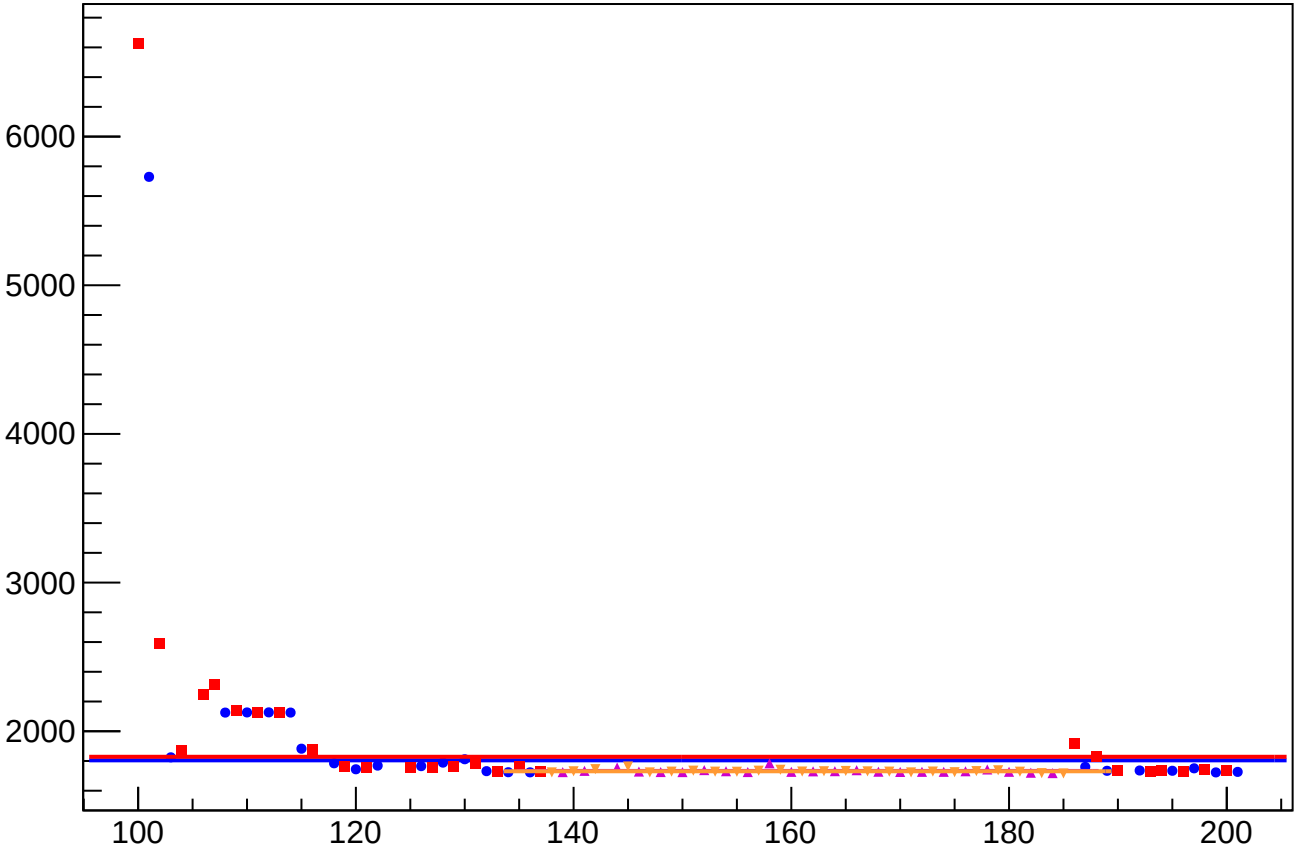
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 370.604+/-318.074 χ^2/NDF: 39.4/46

All: 10.831+/-224.294 χ^2/NDF: 91.5/95

- sign -345.011+/-316.332 χ^2/NDF: 49.5/48

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

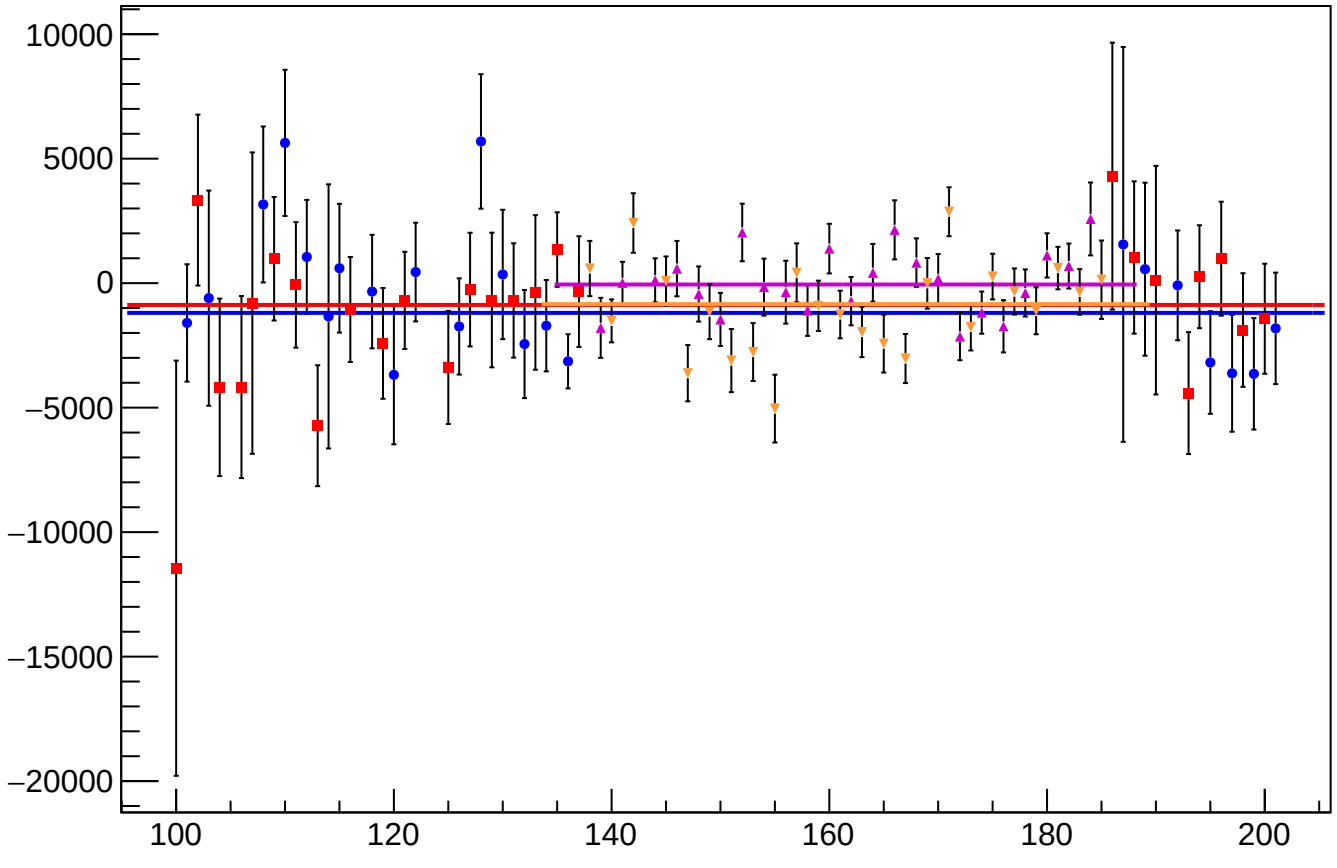
Right Out: 1828.229+/-0.359 χ^2/NDF: 305906.8/25

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1758.252+/-0.225 χ^2/NDF: 731247.5/46

All: 1764.174+/-0.159 χ^2/NDF: 1083837.1/95

- sign 1770.031+/-0.224 χ^2/NDF: 351210.5/48



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: -874.763+/-493.820 χ^2/NDF: 18.2/25

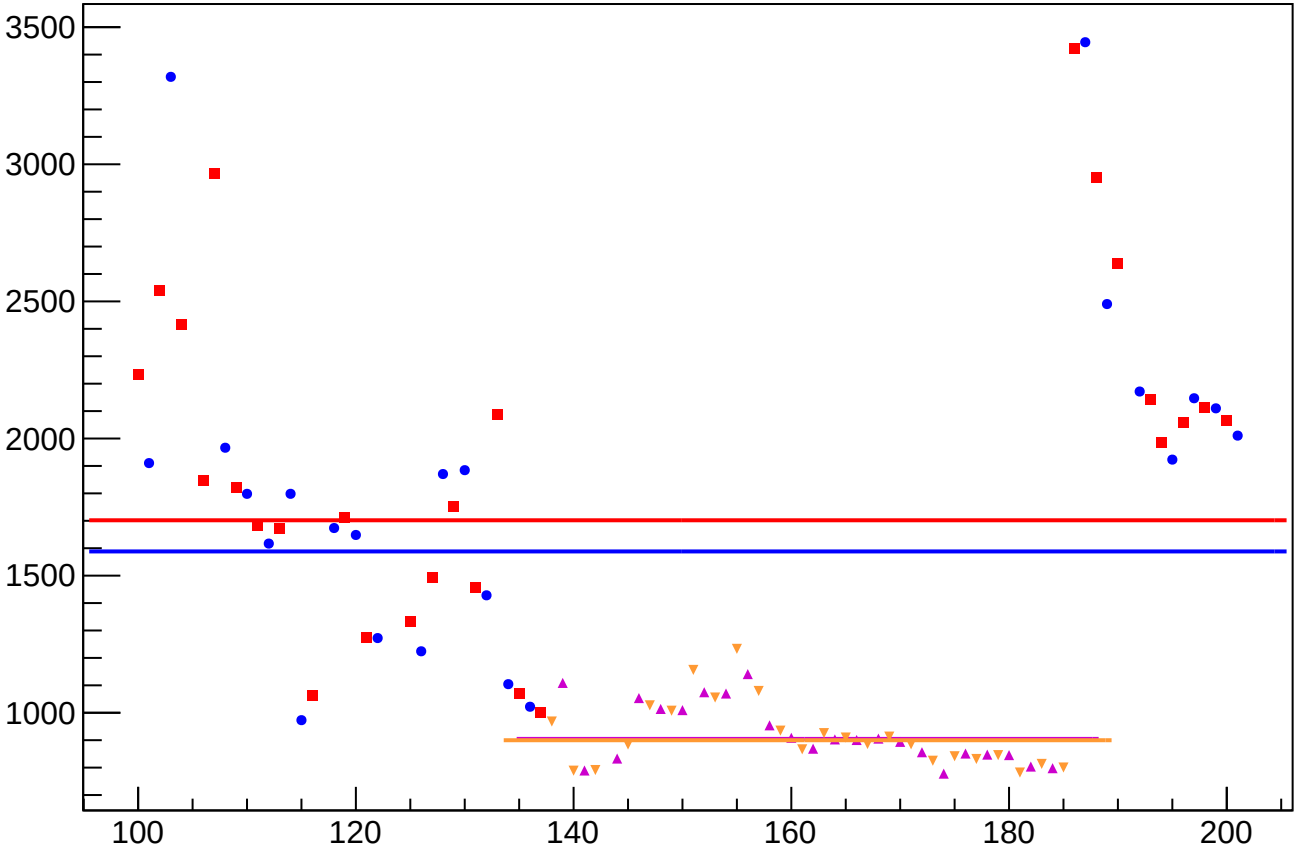
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -900.176+/-192.727 χ^2/NDF: 88.0/46

All: -546.640+/-137.267 χ^2/NDF: 146.0/95

\- sign -182.650+/-195.555 χ^2/NDF: 51.2/48

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: 1701.873+/-0.349 χ^2/NDF: 2154568.8/25

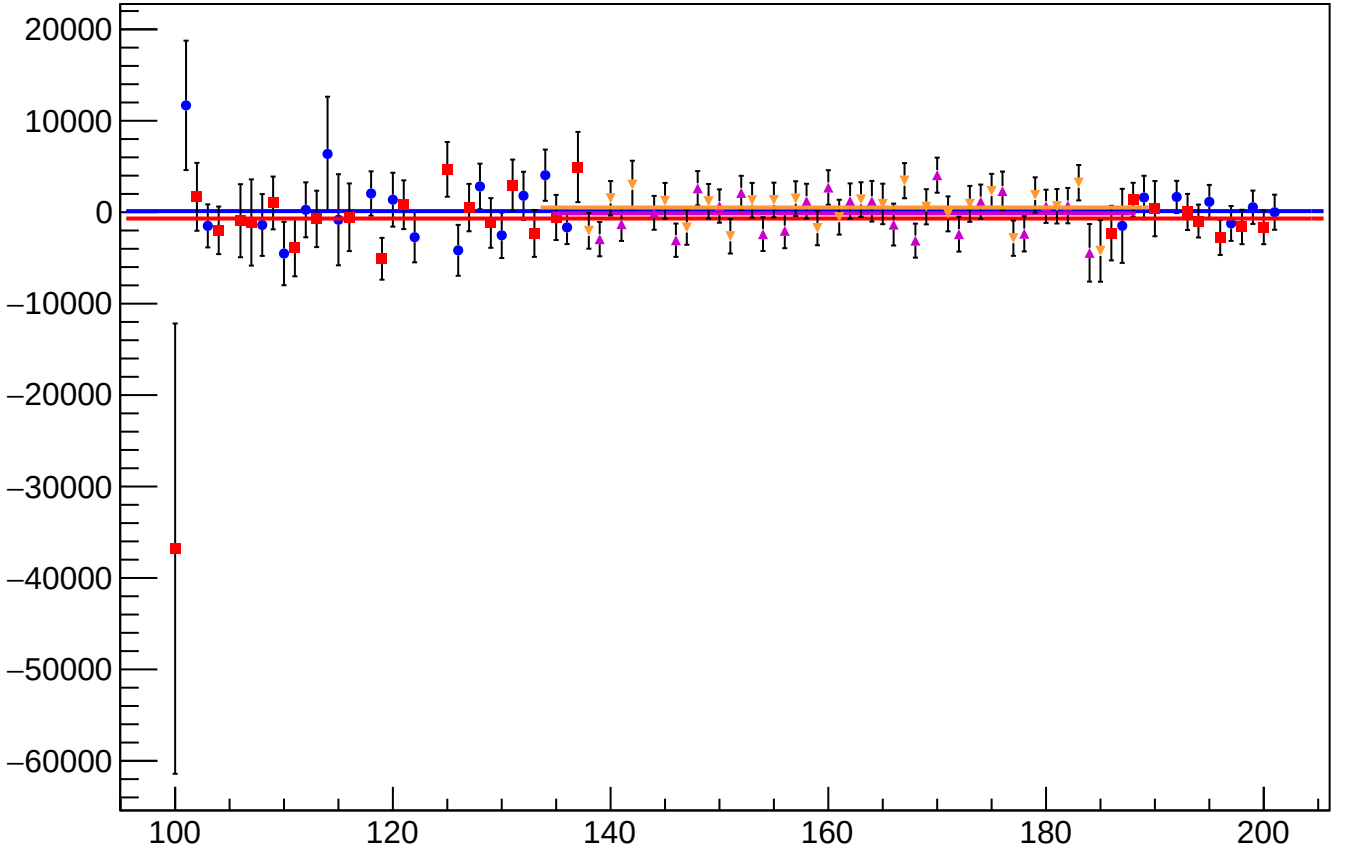
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1013.094+/-0.136 χ^2/NDF: 6113887.1/46

All: 1021.263+/-0.097 χ^2/NDF: 13123107.5/9

- sign 1029.673+/-0.138 χ^2/NDF: 7001928.9/48

eigen_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: -689.127+/-507.304 χ^2/NDF: 19.3/25

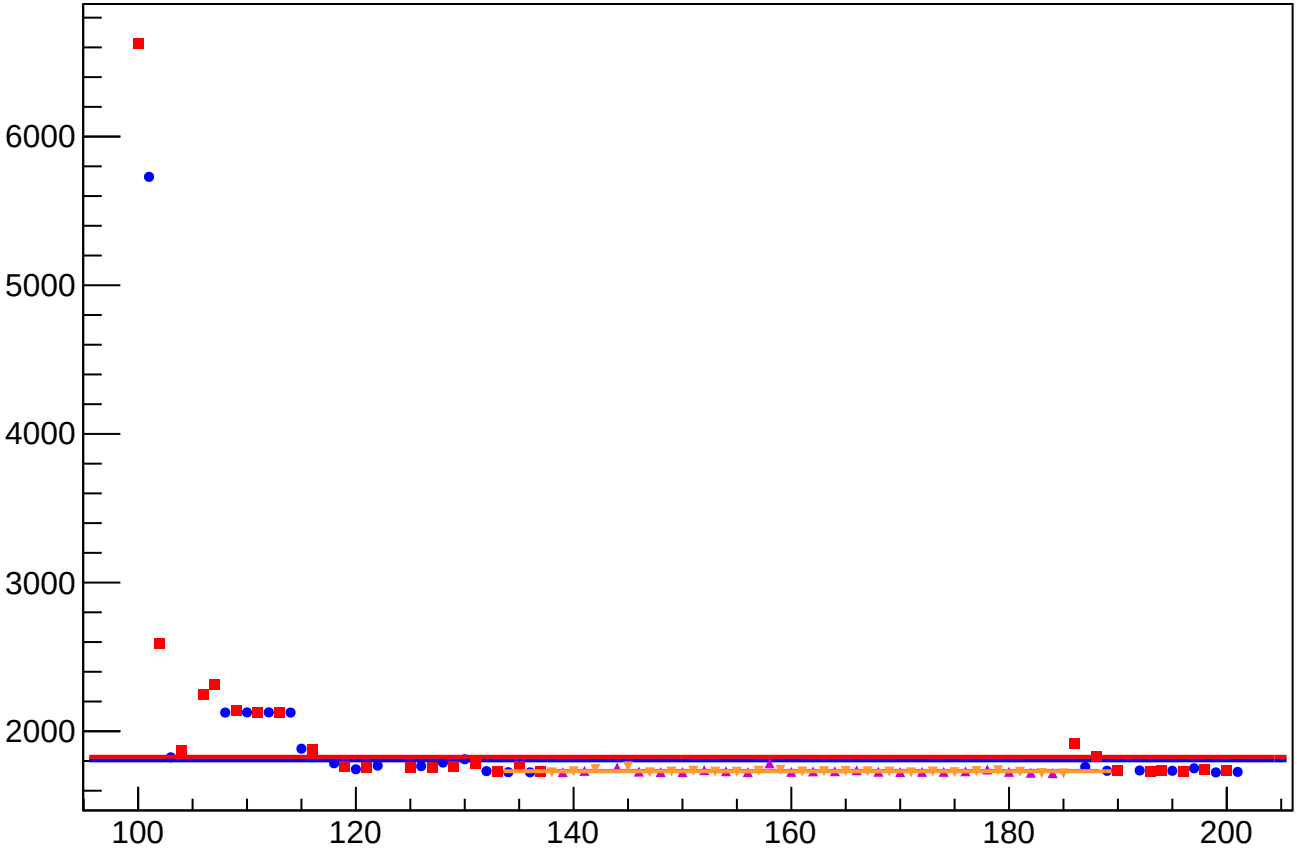
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 370.604+/-318.074 χ^2/NDF: 39.4/46

All: 10.831+/-224.294 χ^2/NDF: 91.5/95

- sign -345.011+/-316.332 χ^2/NDF: 49.5/48

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

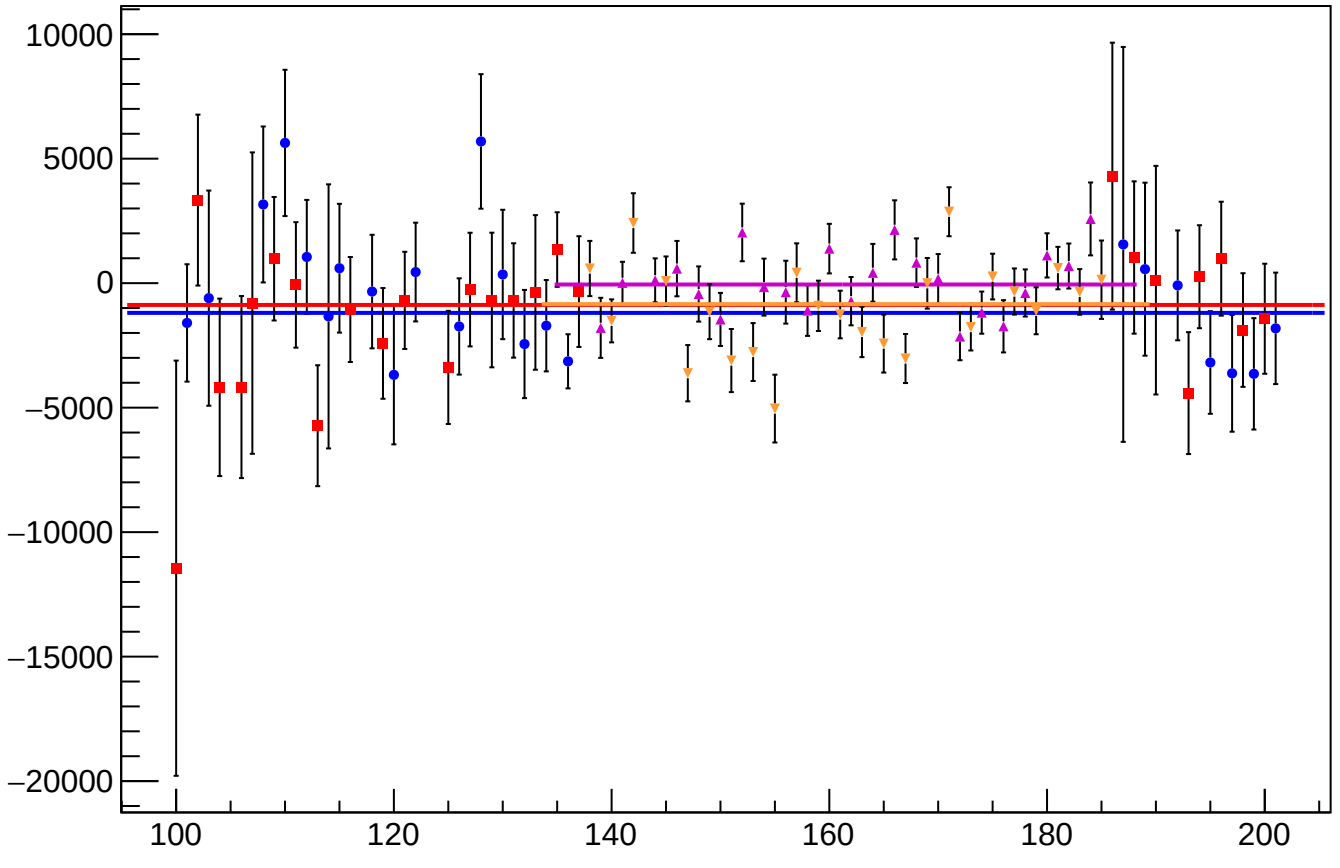
Right Out: 1828.229+/-0.359 χ^2/NDF: 305906.8/25

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1758.252+/-0.225 χ^2/NDF: 731247.5/46

All: 1764.174+/-0.159 χ^2/NDF: 1083837.1/95

- sign 1770.031+/-0.224 χ^2/NDF: 351210.5/48



Right In: -1193.166+/-475.120 χ^2/NDF: 24.9/22

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

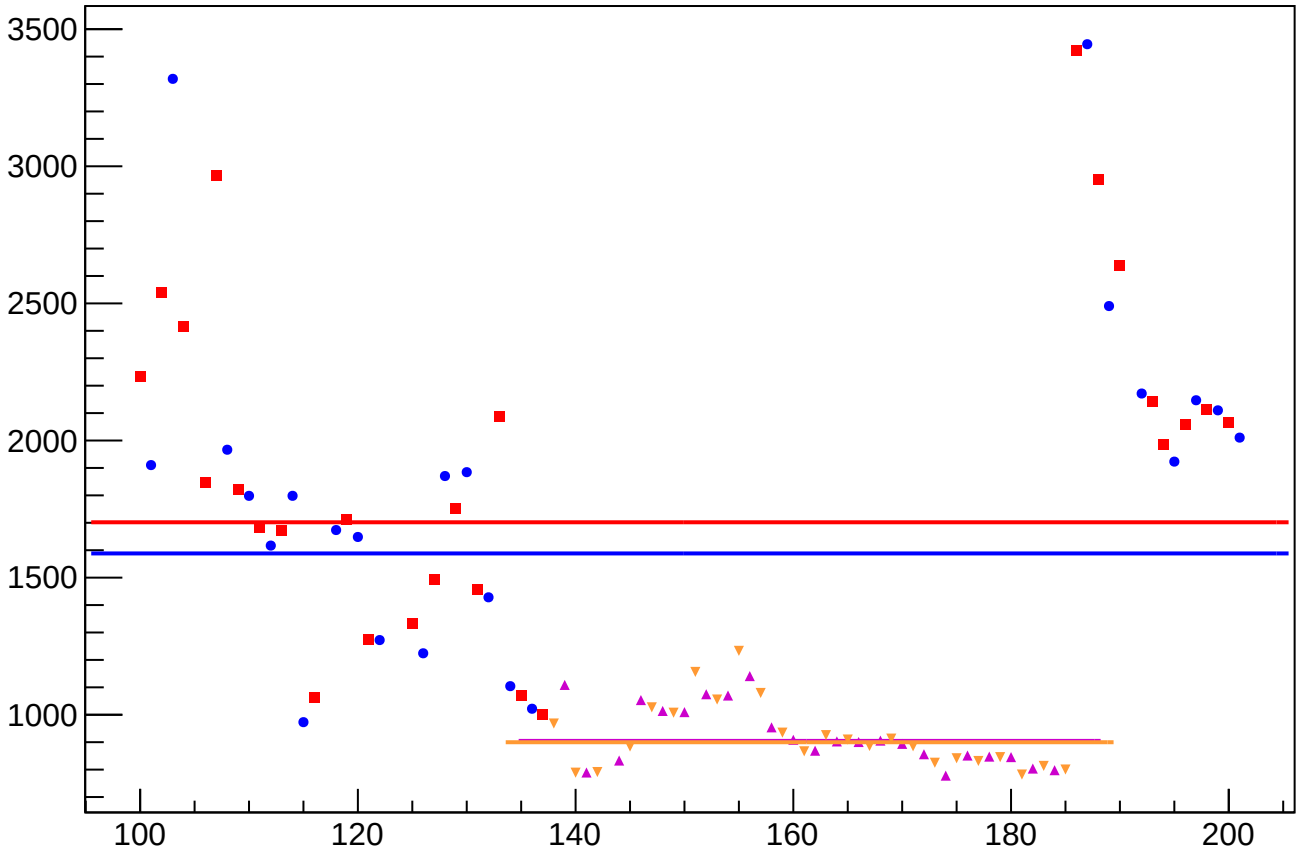
Right Out: -874.763+/-493.820 χ^2/NDF: 18.2/25

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -900.176+/-192.727 χ^2/NDF: 88.0/46

All: -546.640+/-137.267 χ^2/NDF: 146.0/95

- sign -182.650+/-195.555 χ^2/NDF: 51.2/48



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: 1701.873+/-0.349 χ^2/NDF: 2154568.8/25

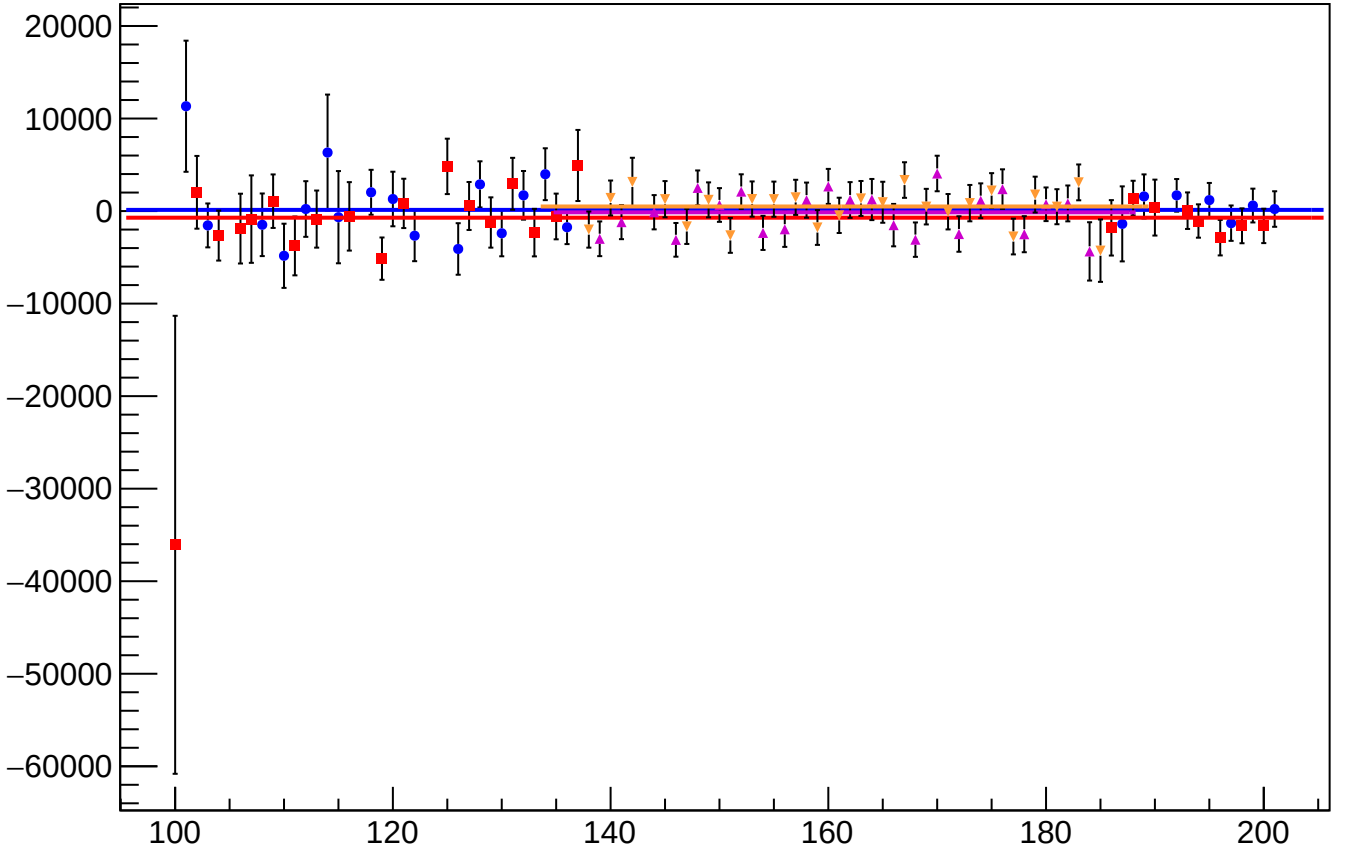
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1013.094+/-0.136 χ^2/NDF: 6113887.1/46

All: 1021.263+/-0.097 χ^2/NDF: 13123107.5/9

- sign 1029.673+/-0.138 χ^2/NDF: 7001928.9/48

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: -716.485+/-508.483 χ^2/NDF: 19.9/25

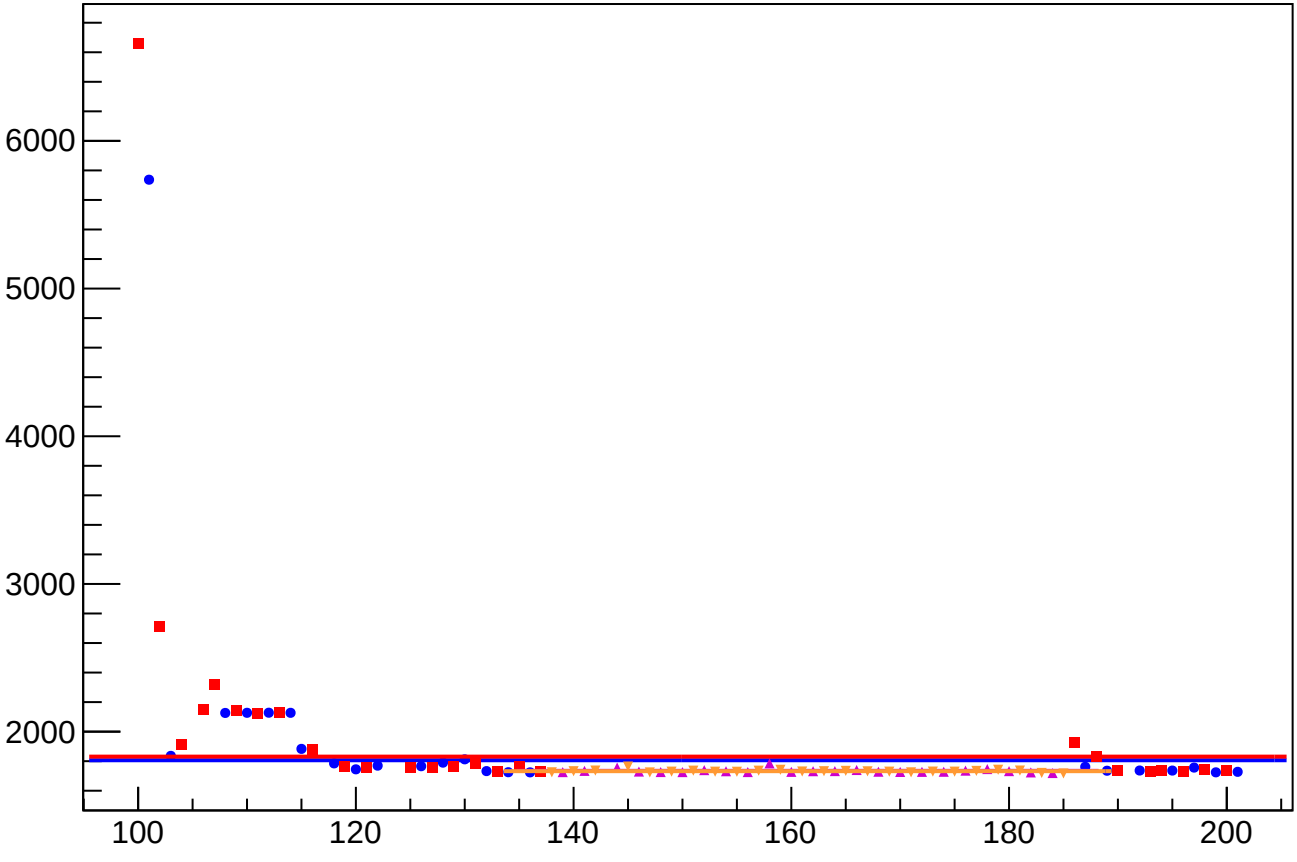
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 357.761+/-318.397 χ^2/NDF: 38.6/46

All: -3.951+/-224.571 χ^2/NDF: 91.4/95

- sign -362.023+/-316.792 χ^2/NDF: 50.3/48

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

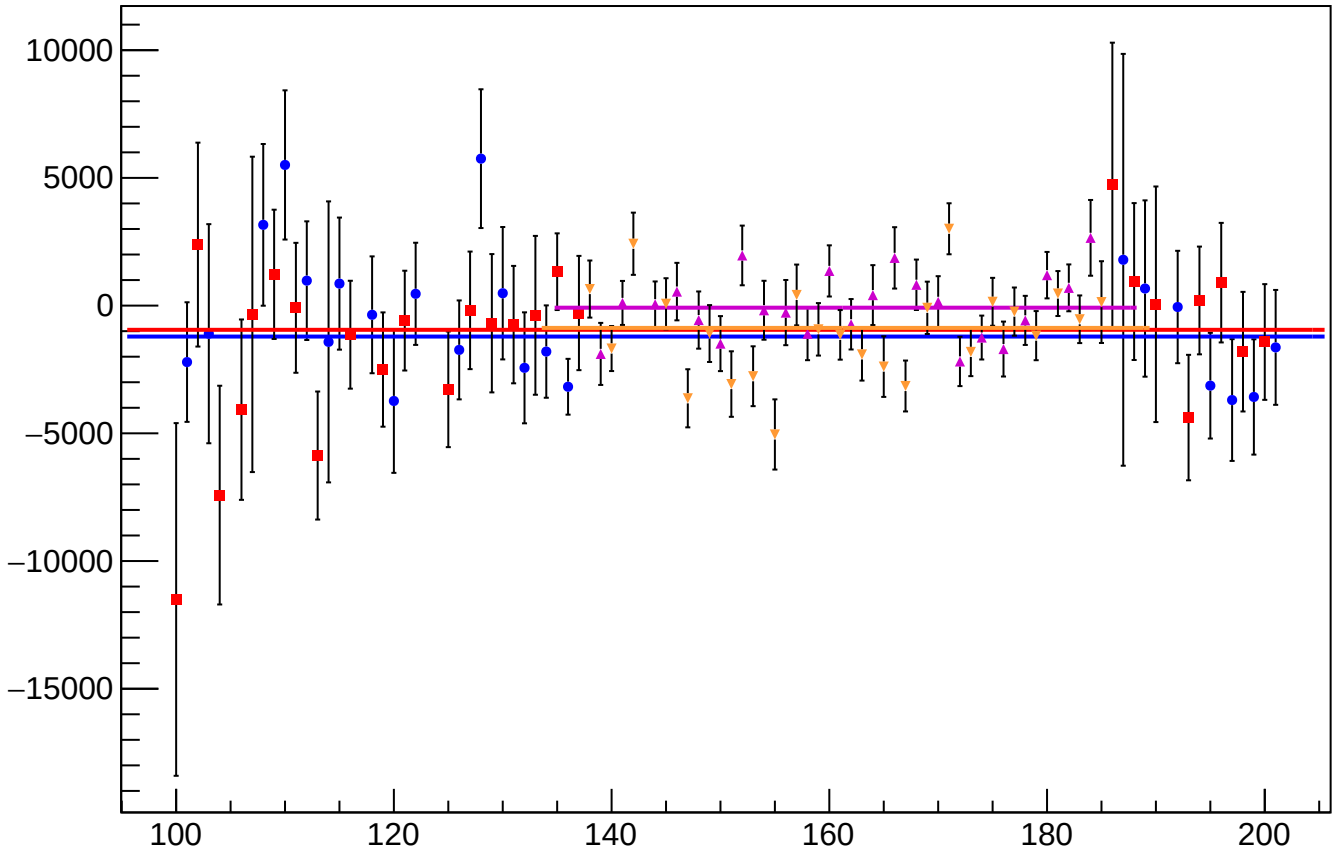
Right Out: 1830.825+/-0.360 χ^2/NDF: 316314.3/25

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1759.952+/-0.225 χ^2/NDF: 731650.2/46

All: 1765.971+/-0.159 χ^2/NDF: 1095454.6/95

- sign 1771.930+/-0.224 χ^2/NDF: 362382.2/48



Right In: -1211.669+/-476.457 χ^2/NDF: 25.1/22

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

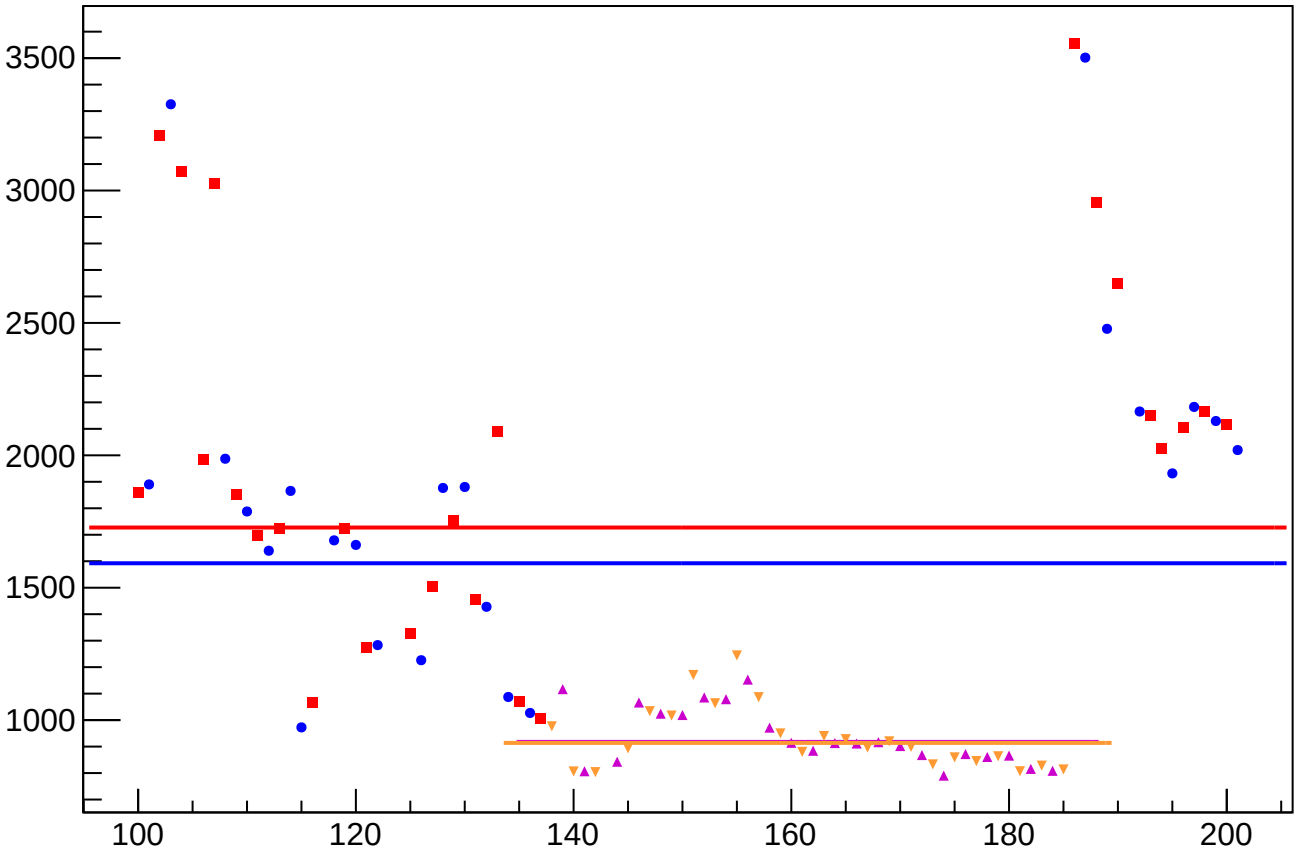
Right Out: -947.651+/-500.444 χ^2/NDF: 19.5/25

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

\+ sign -929.712+/-195.219 χ^2/NDF: 87.5/46

All: -579.062+/-139.100 χ^2/NDF: 146.0/95

\- sign -217.443+/-198.249 χ^2/NDF: 52.0/48



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: 1727.278+/-0.354 χ^2/NDF: 2503175.8/25

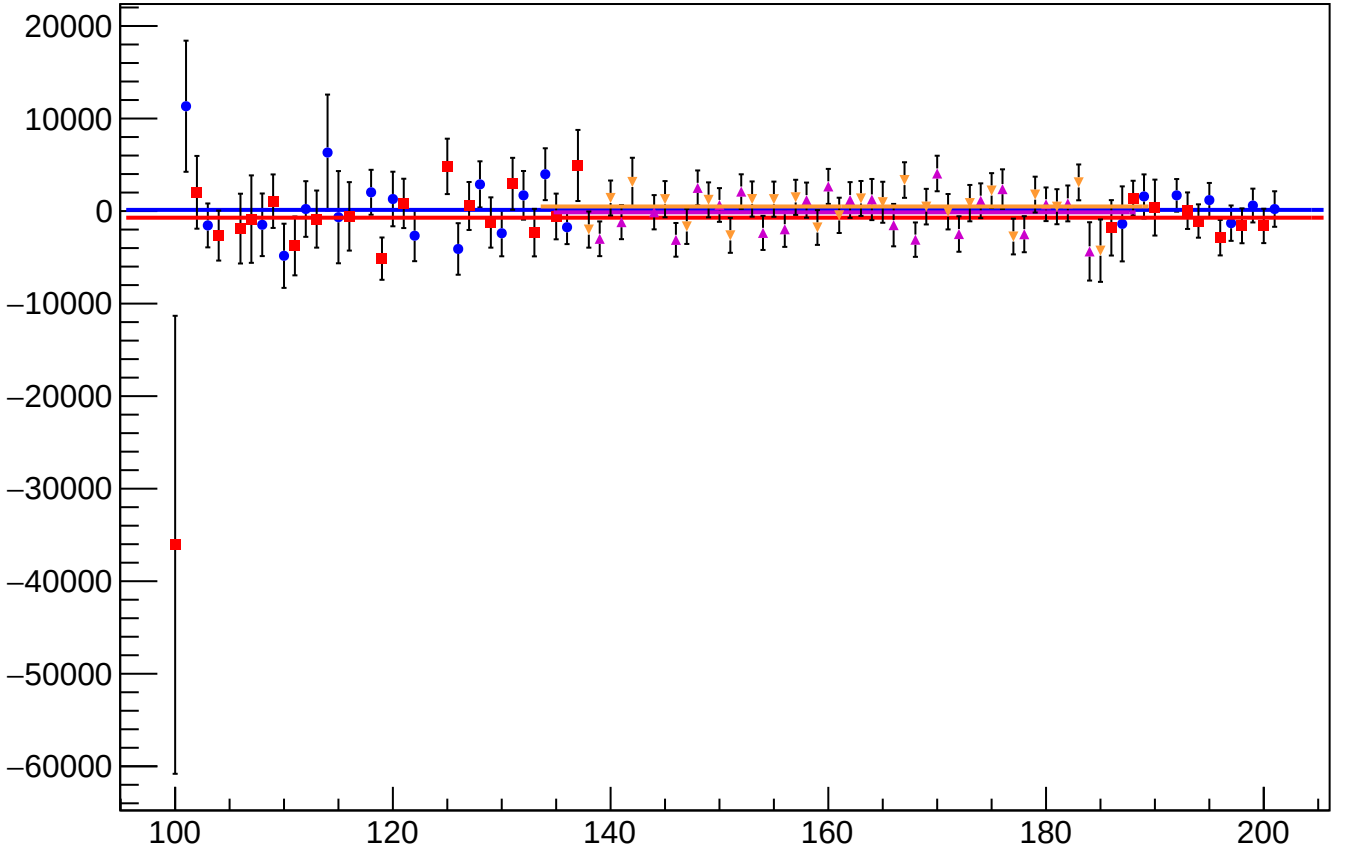
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1027.796+/-0.138 χ^2/NDF: 5971655.1/46

All: 1036.131+/-0.098 χ^2/NDF: 13325672.4/9

- sign 1044.727+/-0.140 χ^2/NDF: 7346612.0/48

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: -716.484+/-508.483 χ^2/NDF: 19.9/25

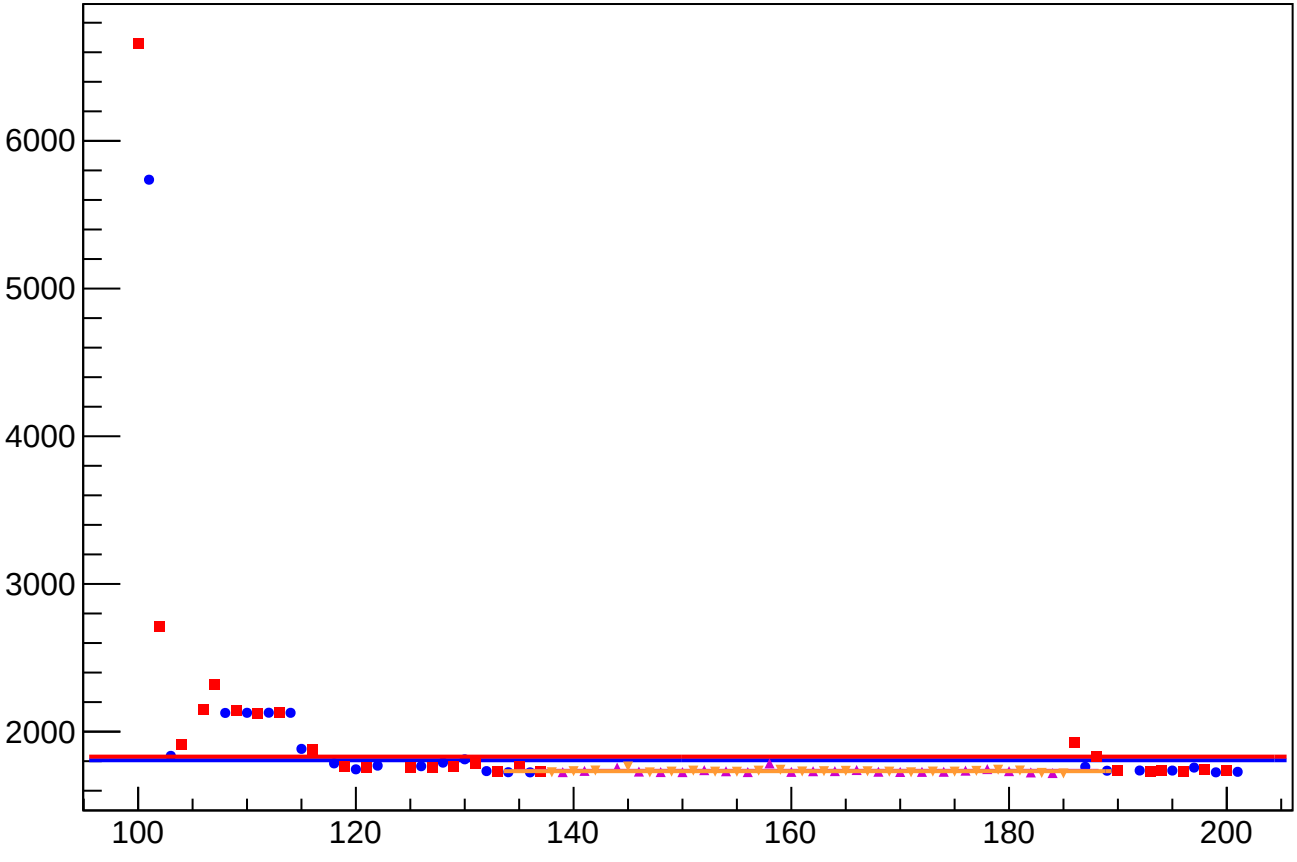
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 357.761+/-318.397 χ^2/NDF: 38.6/46

All: -3.950+/-224.571 χ^2/NDF: 91.4/95

- sign -362.023+/-316.792 χ^2/NDF: 50.3/48

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

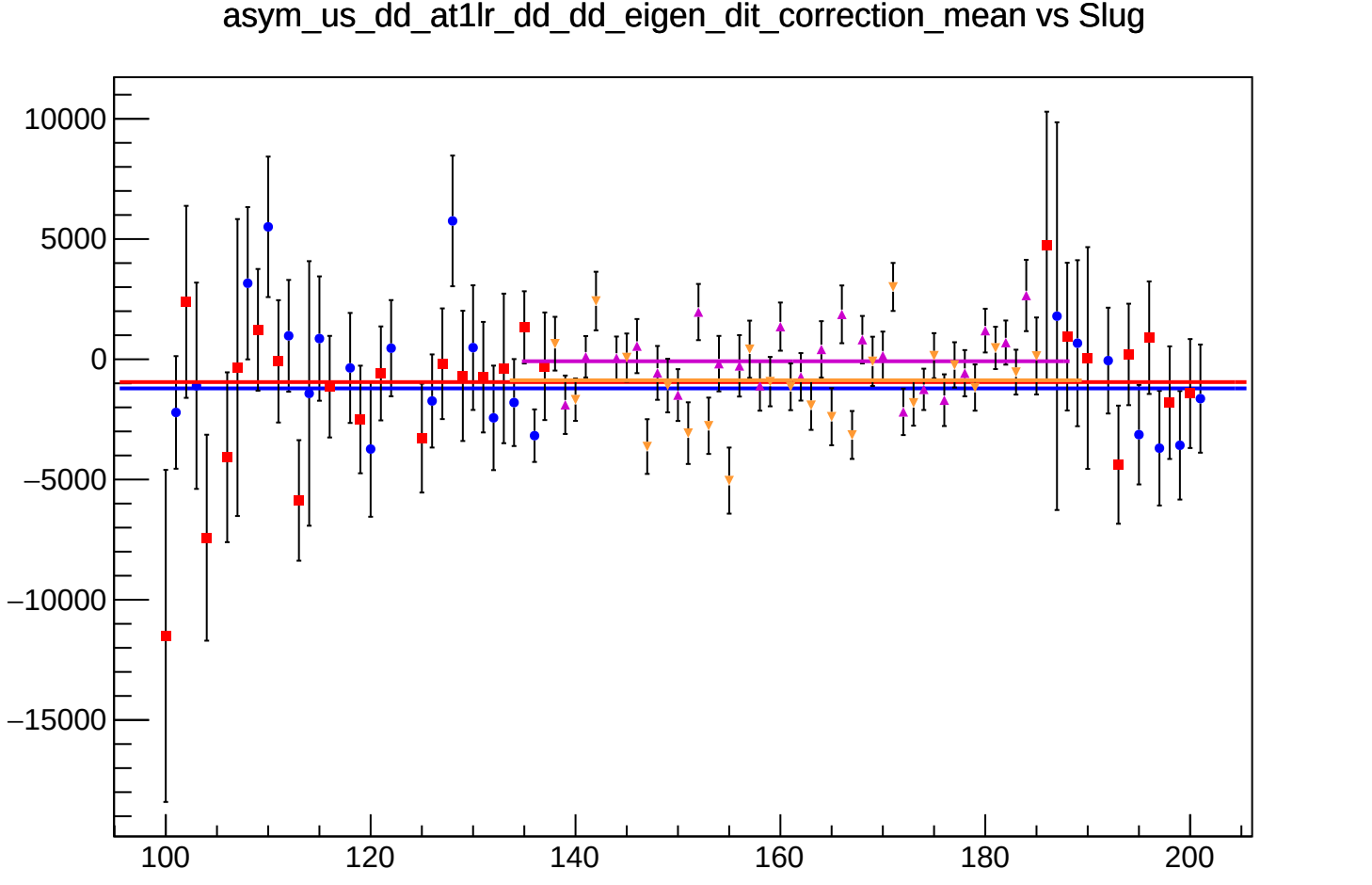
Right Out: 1830.825+/-0.360 χ^2/NDF: 316314.0/25

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1759.952+/-0.225 χ^2/NDF: 731650.1/46

All: 1765.971+/-0.159 χ^2/NDF: 1095454.3/95

- sign 1771.930+/-0.224 χ^2/NDF: 362381.9/48



Right In: -1211.664+/-476.456 χ^2/NDF: 25.1/22

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

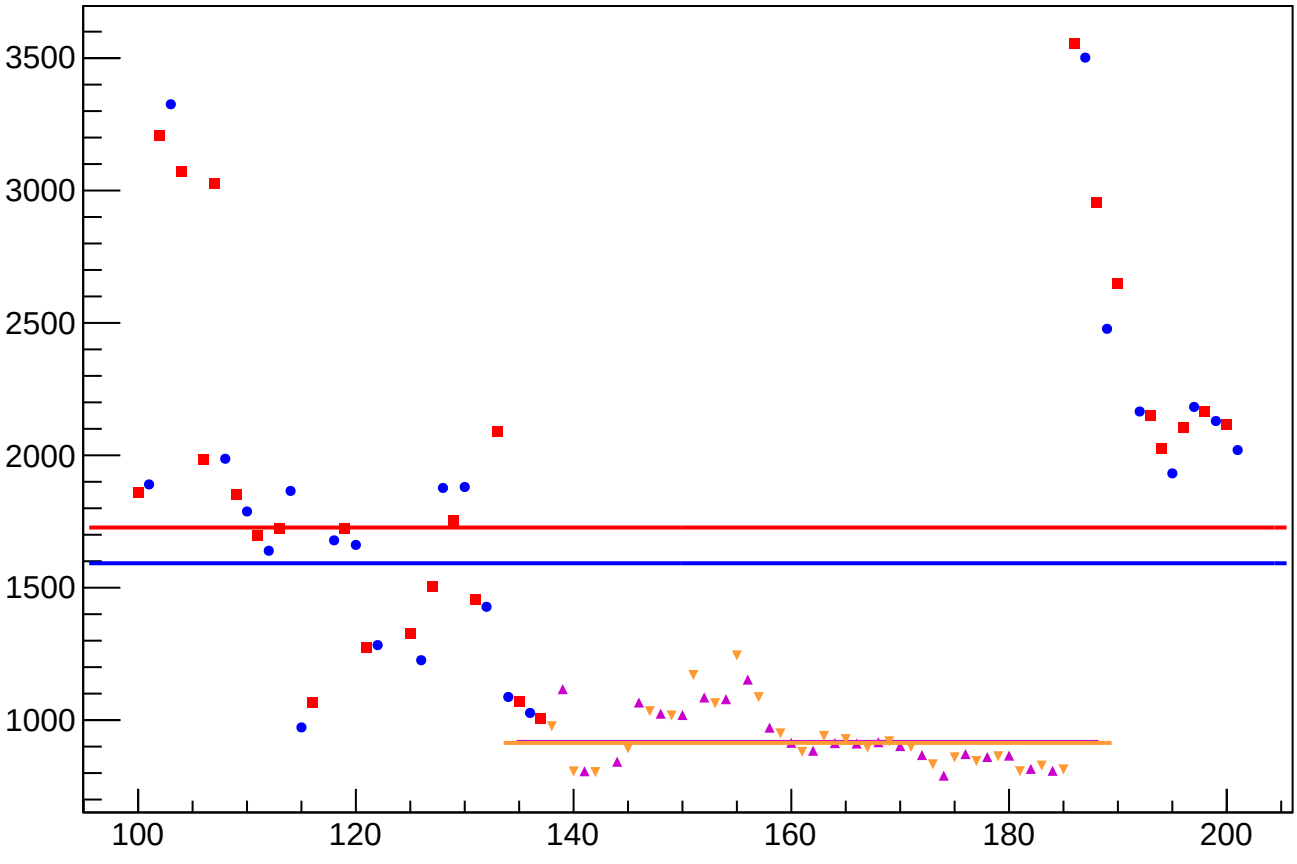
Right Out: -947.651+/-500.443 χ^2/NDF: 19.5/25

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -929.710+/-195.219 χ^2/NDF: 87.5/46

All: -579.060+/-139.100 χ^2/NDF: 146.0/95

- sign -217.442+/-198.249 χ^2/NDF: 52.0/48



Right In: 1592.345+/-0.337 χ^2/NDF: 2134350.3/22

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

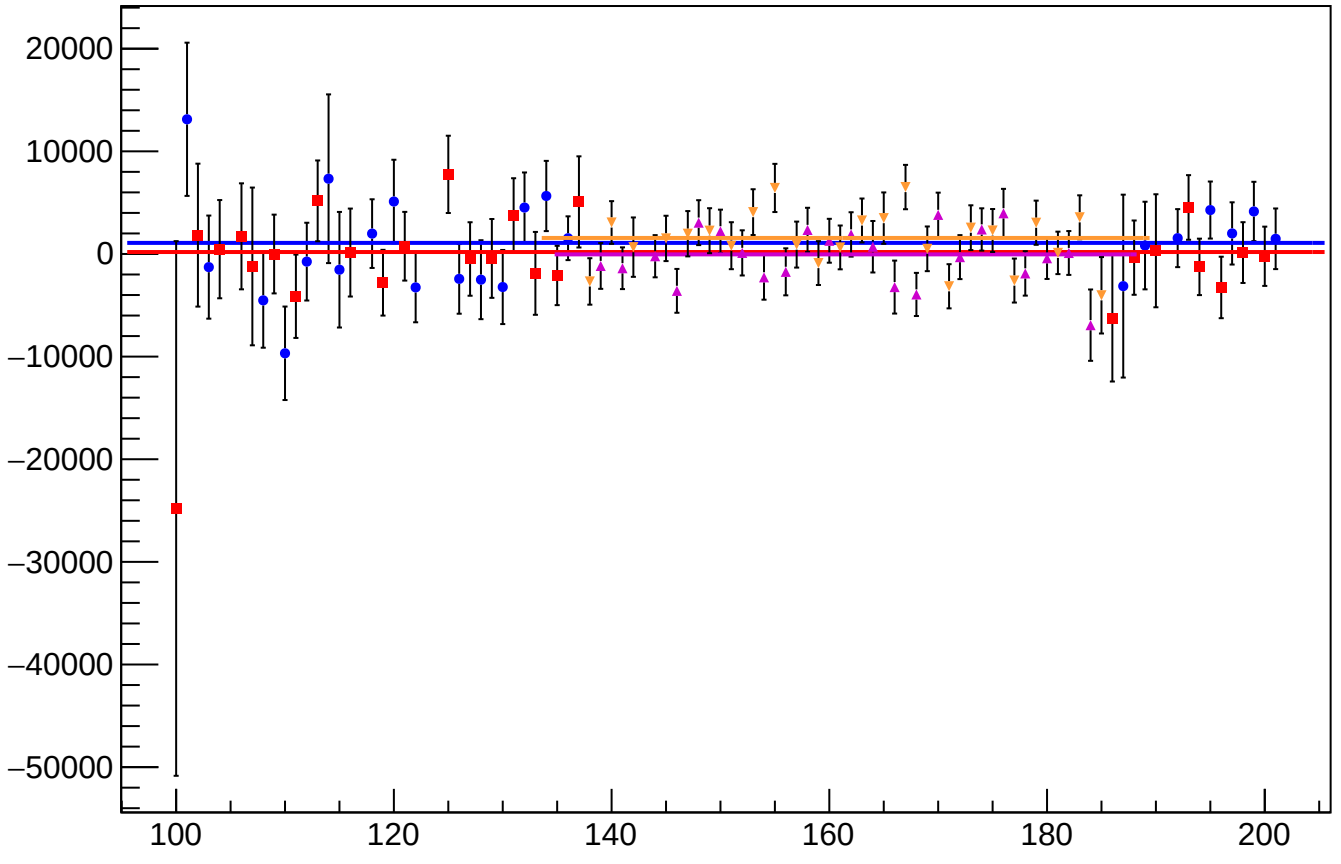
Right Out: 1727.276+/-0.354 χ^2/NDF: 2503184.7/25

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1027.796+/-0.138 χ^2/NDF: 5971653.5/46

All: 1036.131+/-0.098 χ^2/NDF: 13325678.5/9

- sign 1044.726+/-0.140 χ^2/NDF: 7346619.7/48



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: 189.399+/-746.847 χ^2/NDF: 16.5/25

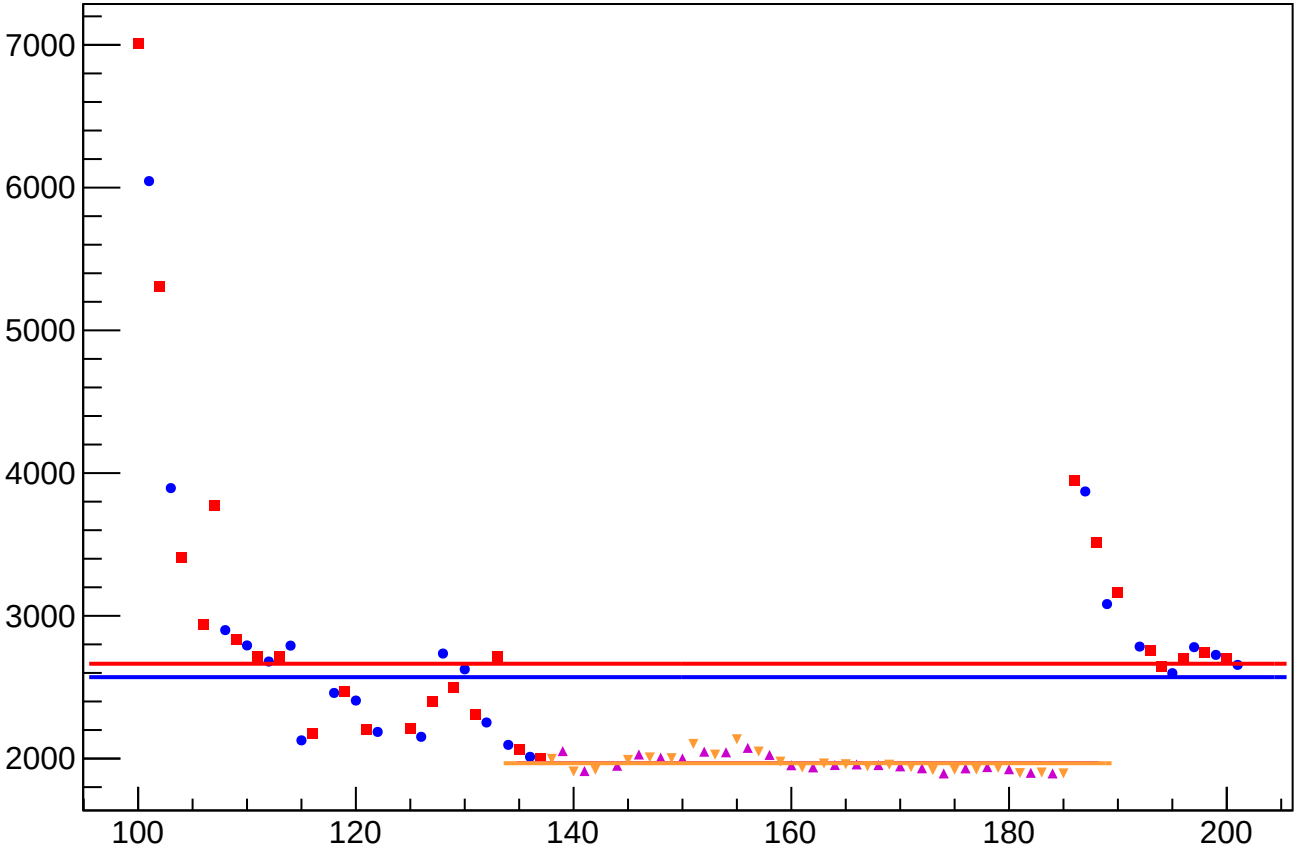
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1430.111+/-389.753 χ^2/NDF: 54.1/46

All: 730.017+/-276.258 χ^2/NDF: 105.0/95

- sign 23.162+/-391.630 χ^2/NDF: 44.4/48

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

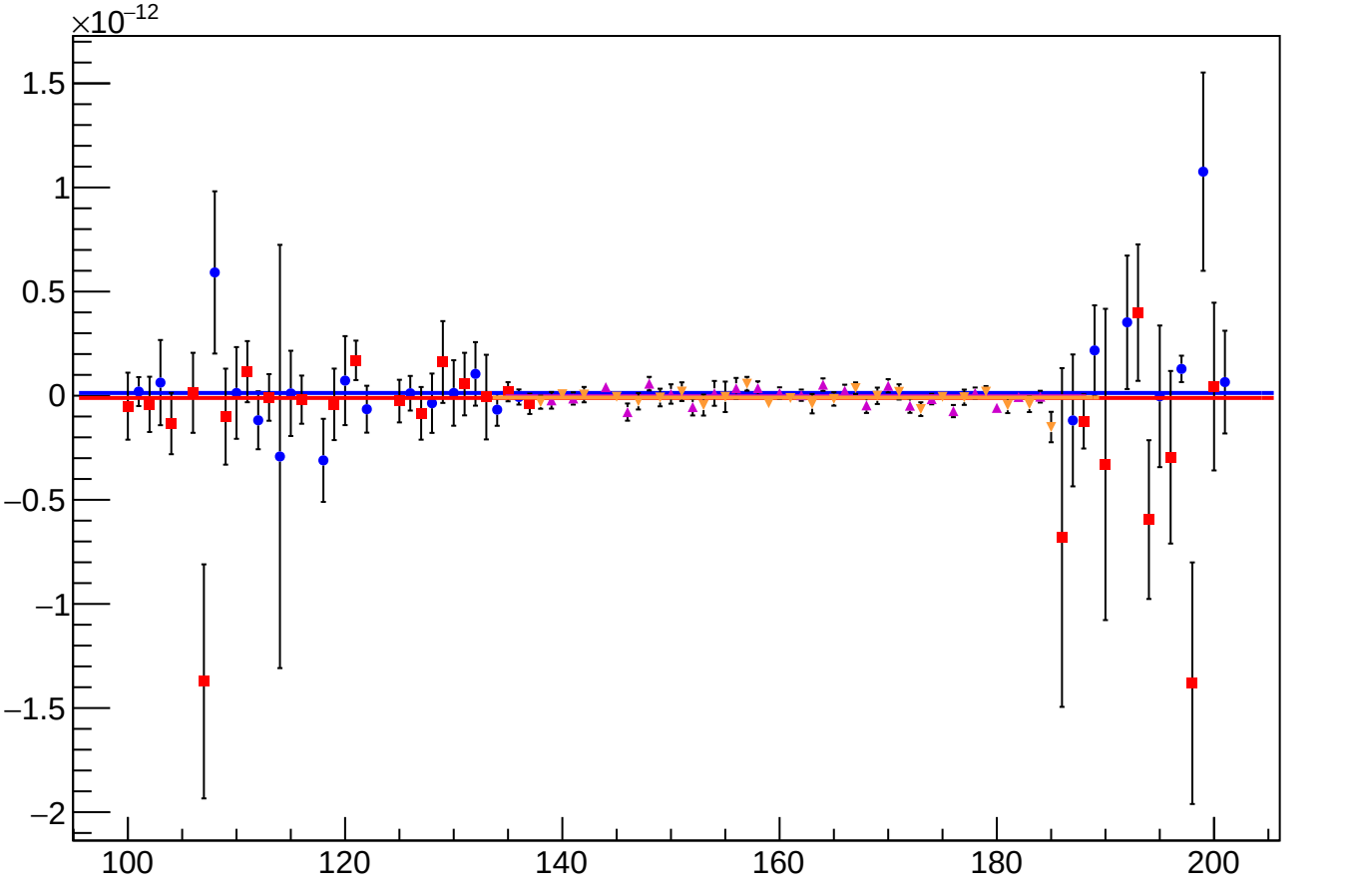
Right Out: 2664.371+/-0.528 χ^2/NDF: 926327.2/25

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2131.593+/-0.276 χ^2/NDF: 1944156.9/46

All: 2145.840+/-0.195 χ^2/NDF: 4159358.1/95

- sign 2160.225+/-0.277 χ^2/NDF: 2209830.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

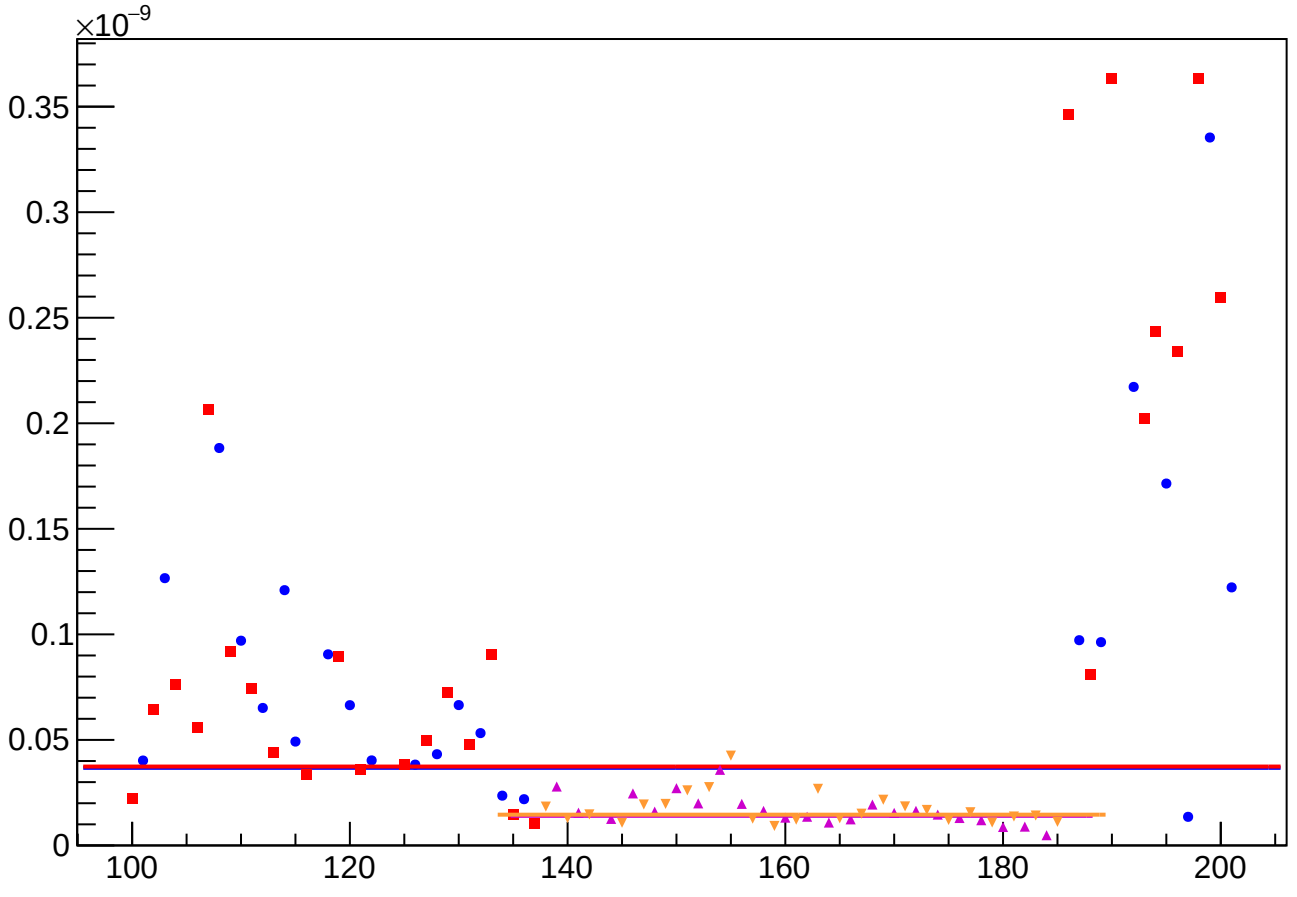
Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/25

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: 104.6/95

- sign -0.000+/-0.000 χ^2/NDF: 64.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 4090581.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

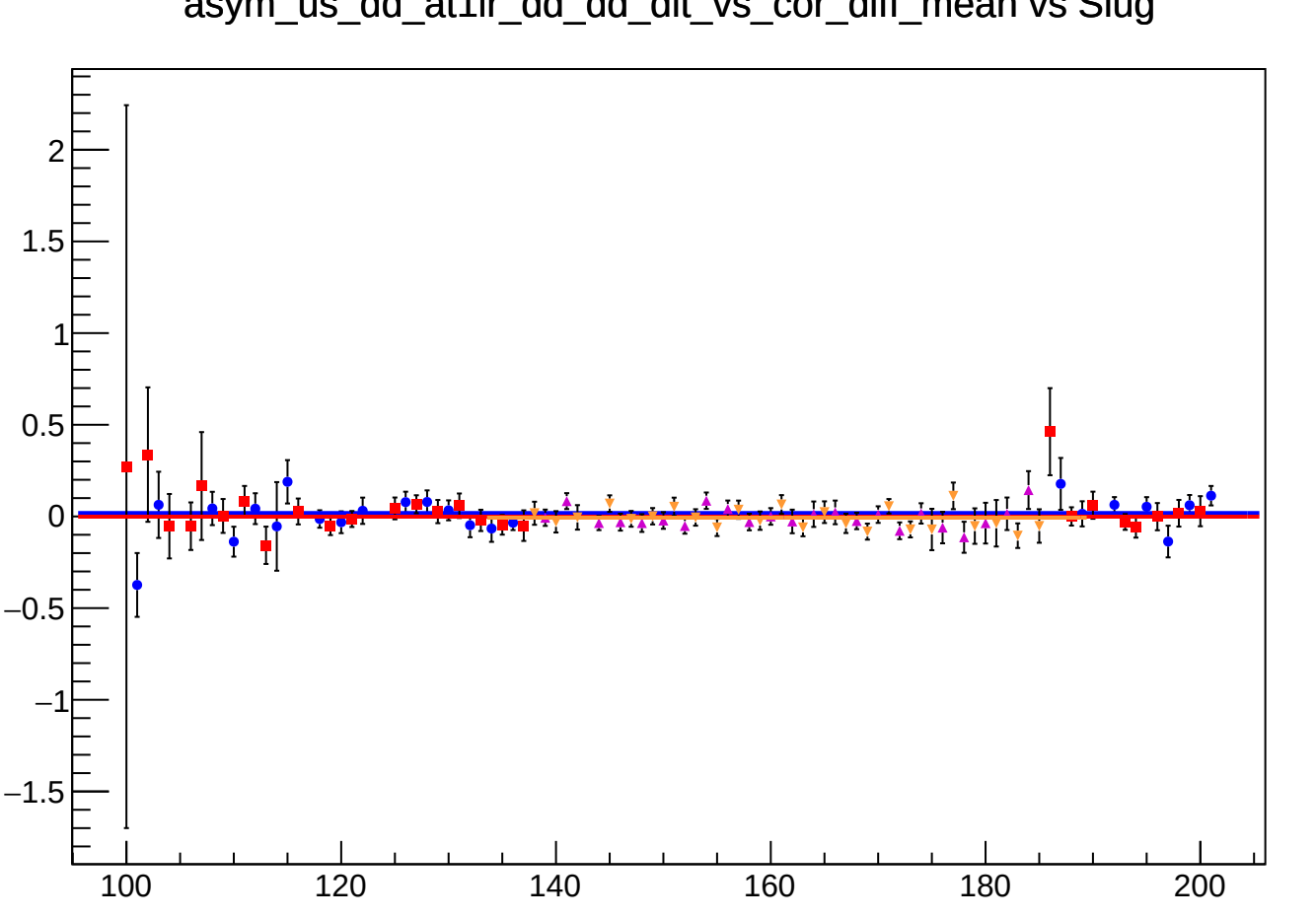
Right Out: 0.000+/-0.000 χ^2/NDF: 5866315.0/25

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: 16190182.7/95

- sign 0.000+/-0.000 χ^2/NDF: 9106899.1/48



Right In: 0.019+/-0.014 χ^2/NDF: 28.3/22

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

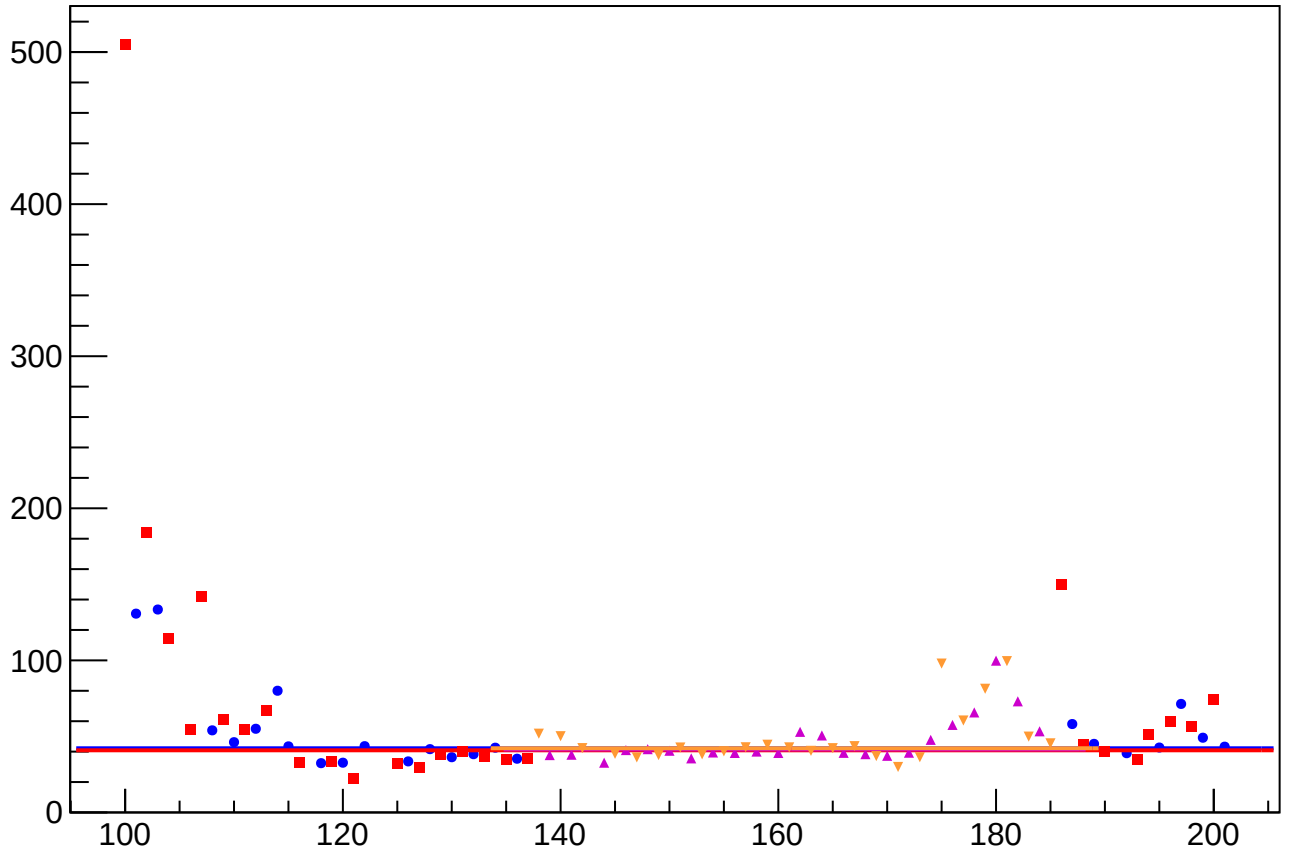
Right Out: -0.001+/-0.013 χ^2/NDF: 17.1/25

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.003+/-0.009 χ^2/NDF: 54.4/46

All: -0.001+/-0.006 χ^2/NDF: 92.1/95

- sign -0.004+/-0.008 χ^2/NDF: 37.2/48



Right In: 42.189+/-0.010 χ^2/NDF: 1733709.1/22

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

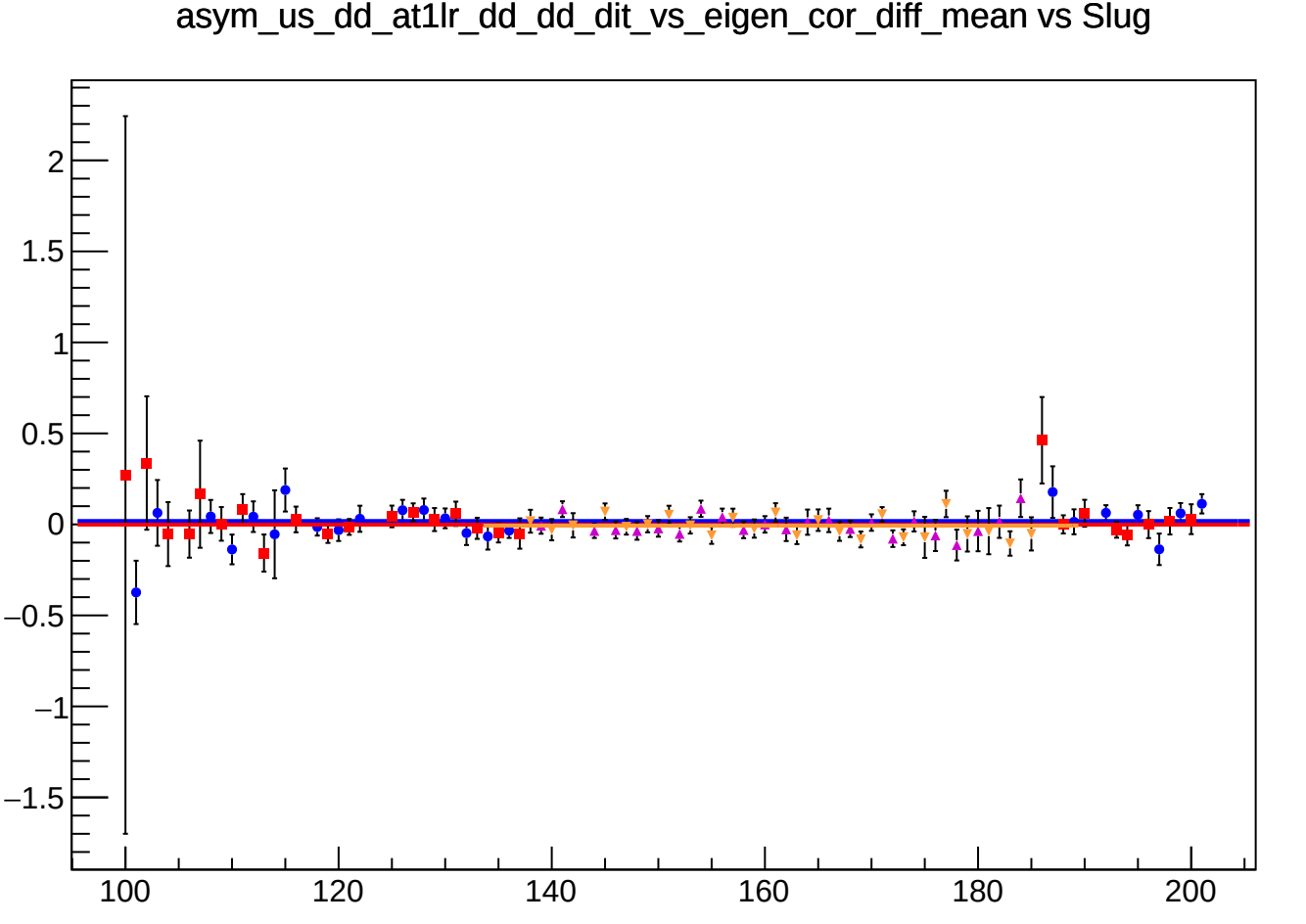
Right Out: 40.878+/-0.009 χ^2/NDF: 3042281.7/25

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 42.201+/-0.006 χ^2/NDF: 3553082.5/46

All: 41.697+/-0.004 χ^2/NDF: 8023341.3/95

- sign 41.208+/-0.006 χ^2/NDF: 4456459.6/48



Right In: 0.019+/-0.014 χ^2/NDF: 28.3/22

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

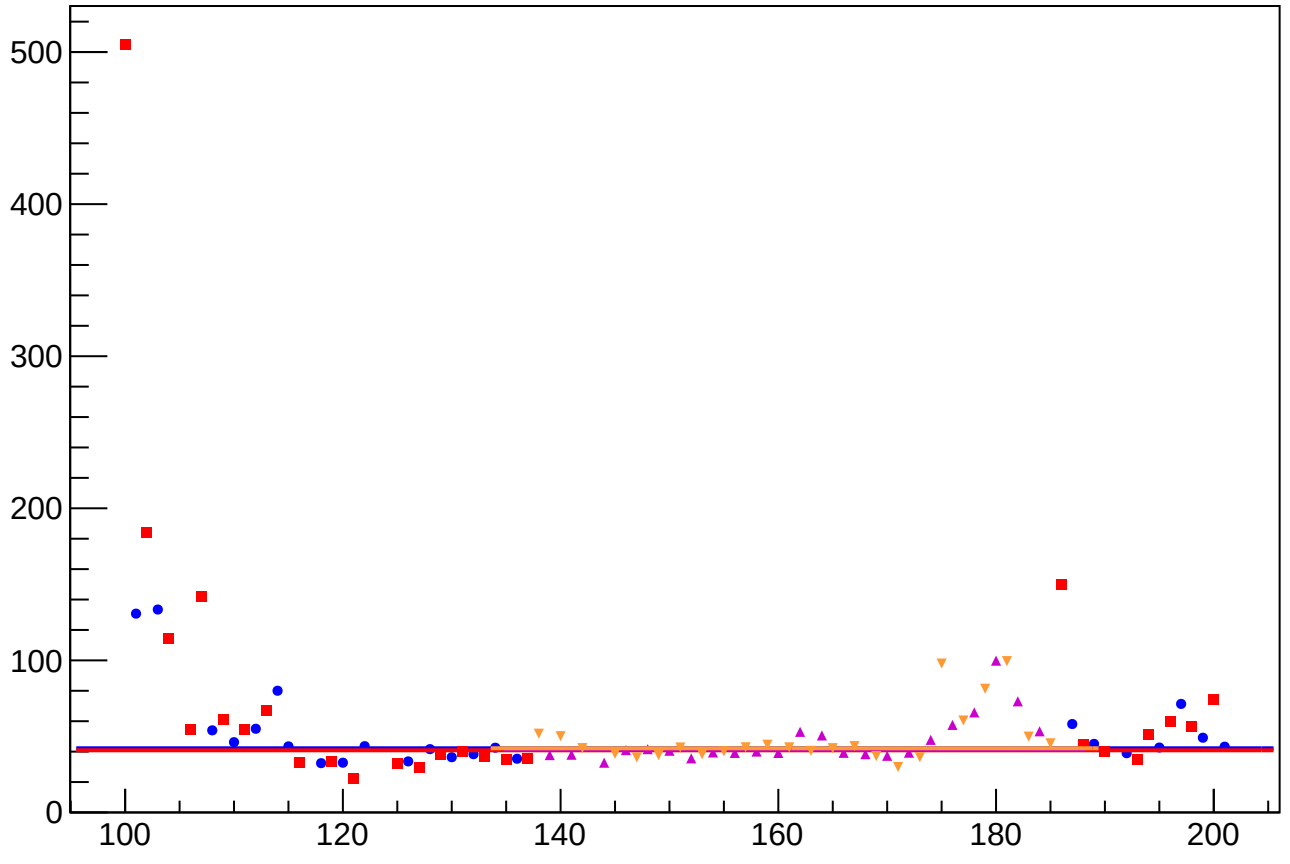
Right Out: -0.001+/-0.013 χ^2/NDF: 17.1/25

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.003+/-0.009 χ^2/NDF: 54.4/46

All: -0.001+/-0.006 χ^2/NDF: 92.1/95

- sign -0.004+/-0.008 χ^2/NDF: 37.2/48



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: 40.878+/-0.009 χ^2/NDF: 3042281.7/25

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

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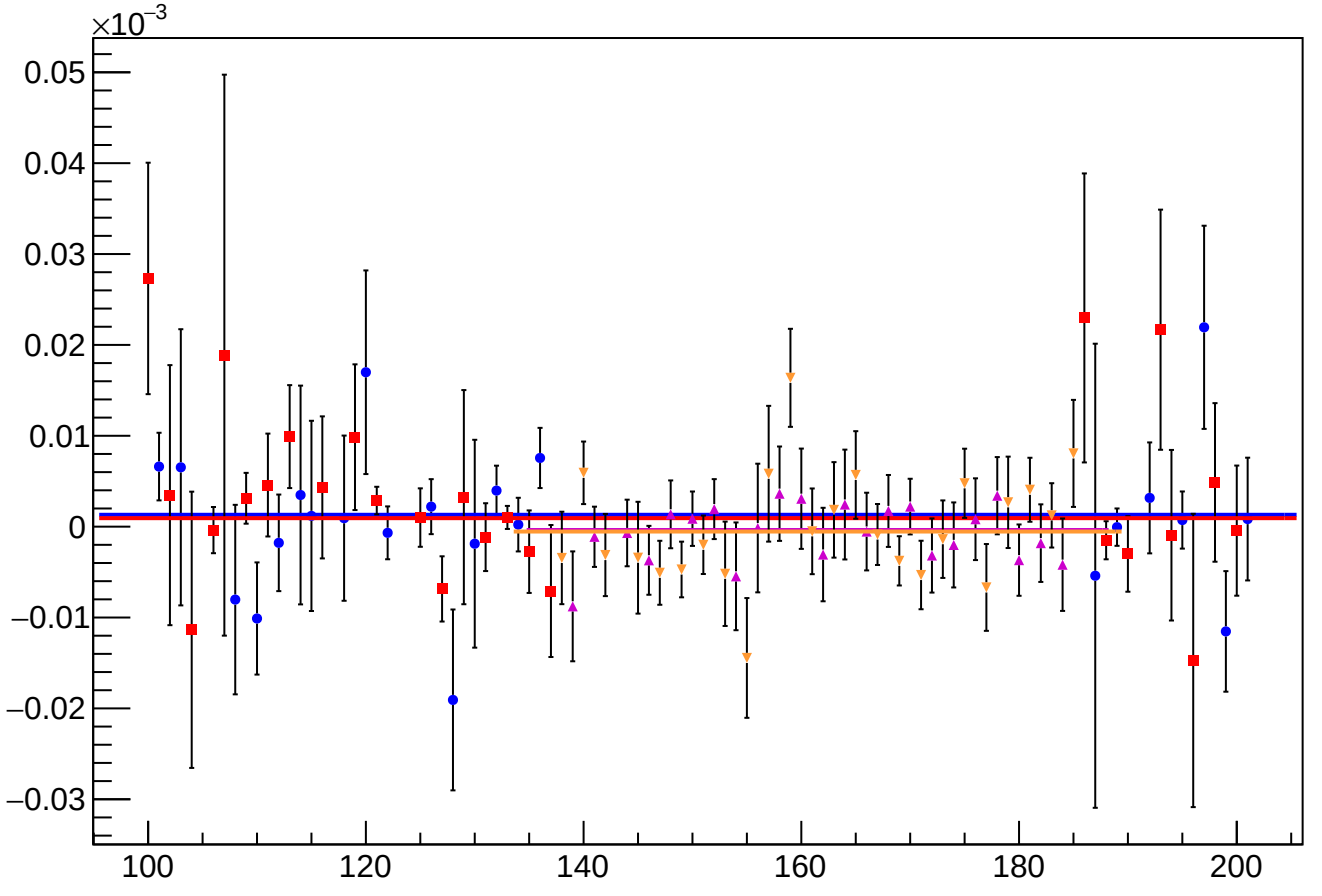
All: 41.697+/-0.004 χ^2/NDF: 8023341.3/95

- sign 41.208+/-0.006 χ^2/NDF: 4456459.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

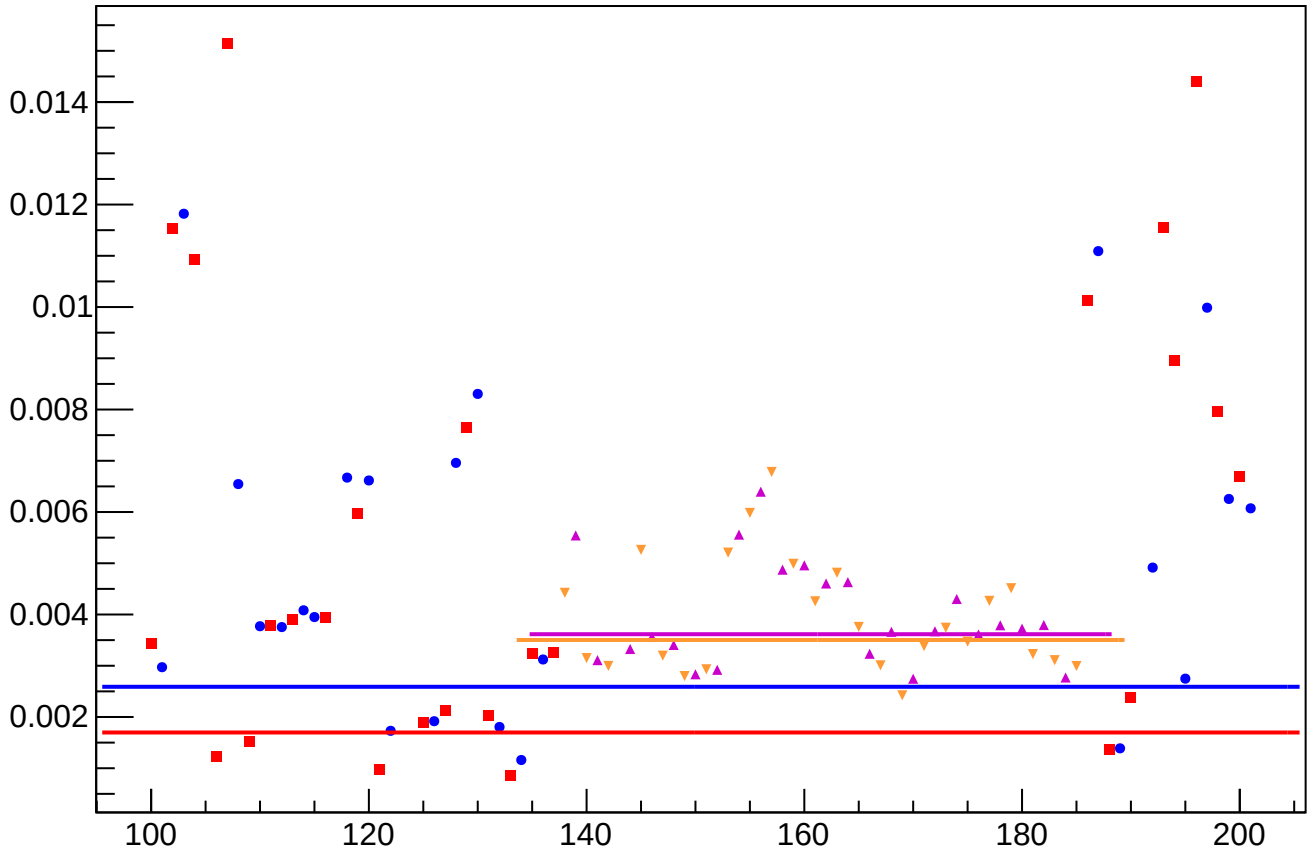
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/25

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: 103.0/95

- sign 0.000+/-0.000 χ^2/NDF: 38.0/48



Right In: 0.003+/-0.000 χ^2/NDF: 7002335.8/22

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

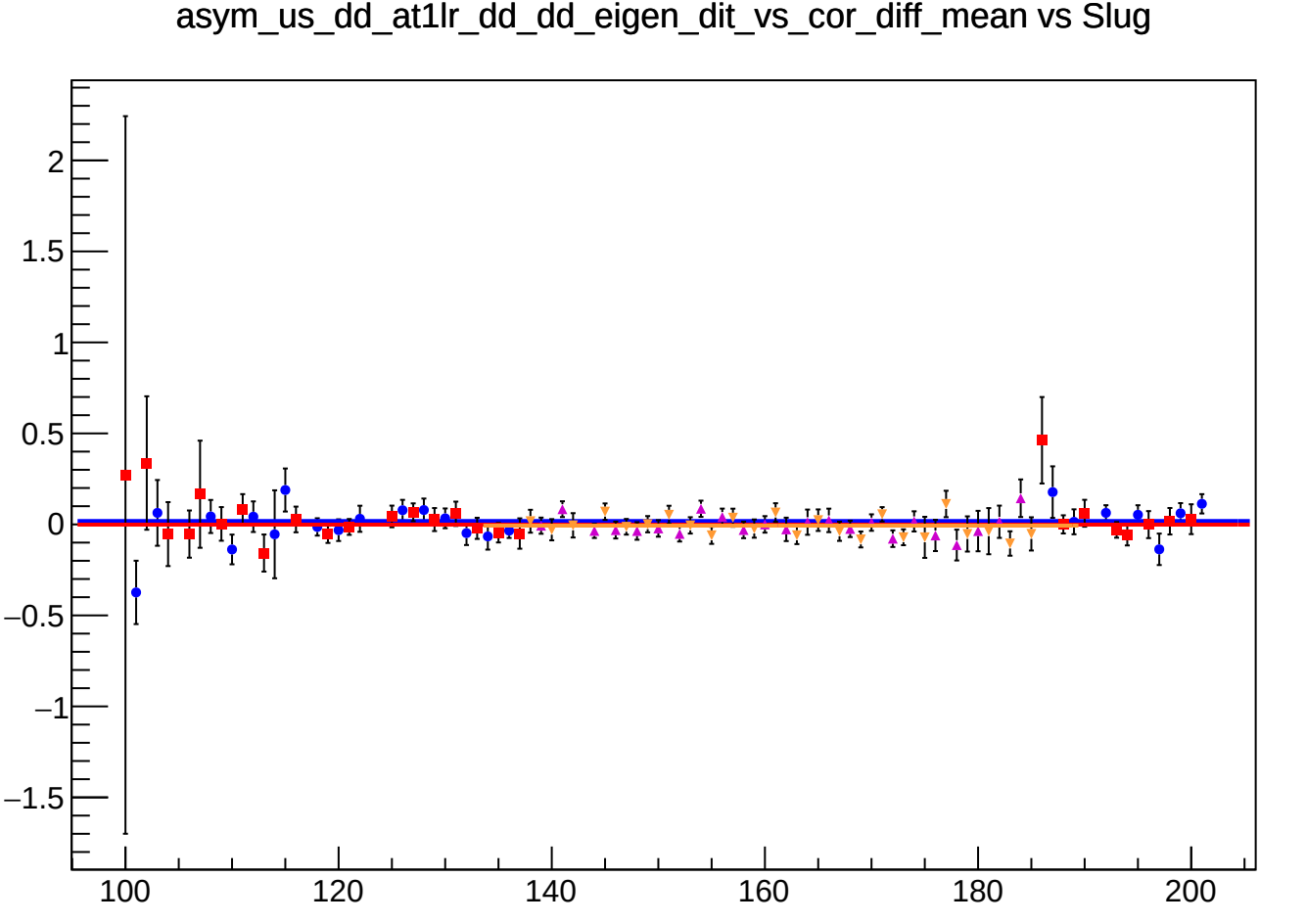
Right Out: 0.002+/-0.000 χ^2/NDF: 11937313.0/25

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: 31088605.0/95

- sign 0.002+/-0.000 χ^2/NDF: 19571149.7/48



Right In: 0.019+/-0.014 χ^2/NDF: 28.3/22

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

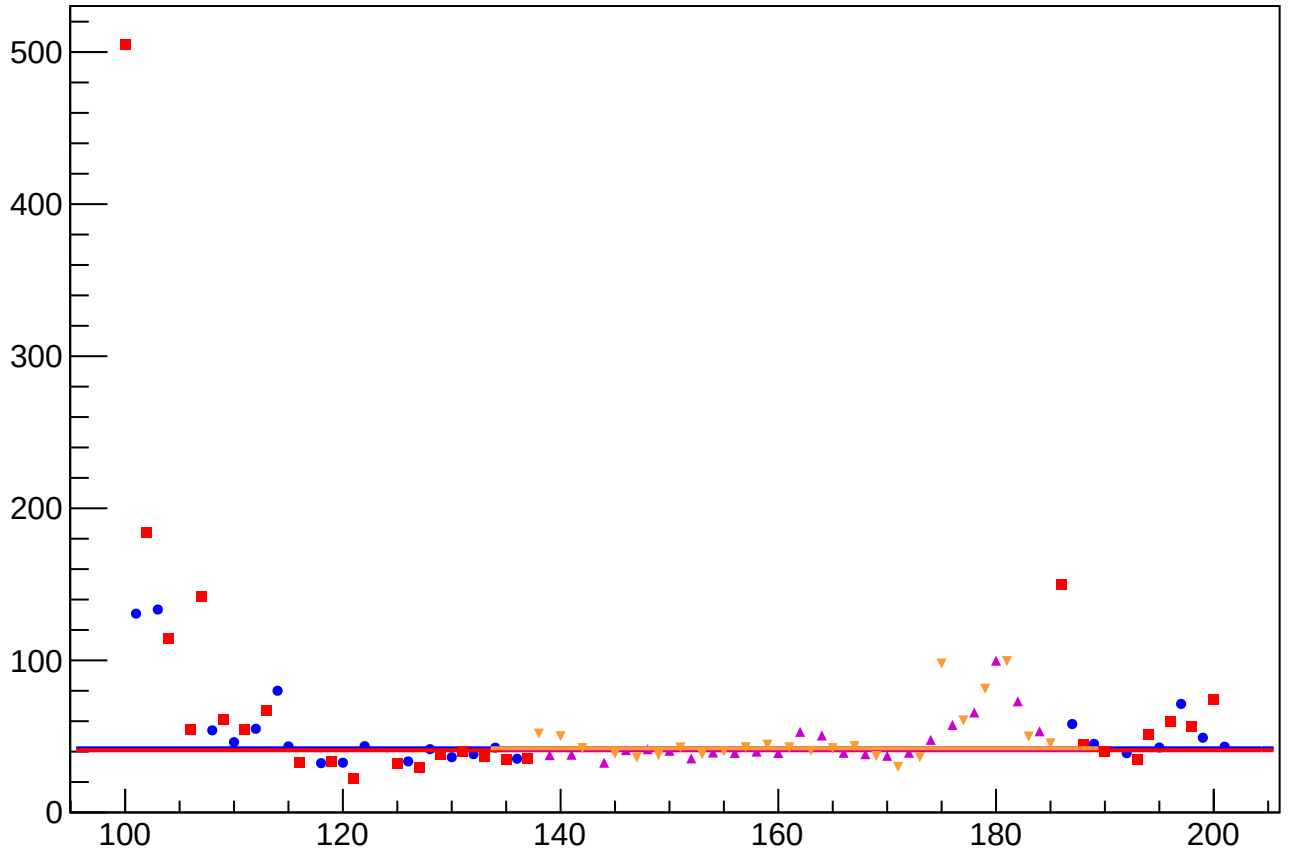
Right Out: -0.001+/-0.013 χ^2/NDF: 17.1/25

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.003+/-0.009 χ^2/NDF: 54.4/46

All: -0.001+/-0.006 χ^2/NDF: 92.1/95

- sign -0.004+/-0.008 χ^2/NDF: 37.2/48



Right In: 42.190+/-0.010 χ^2/NDF: 1733590.1/22

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

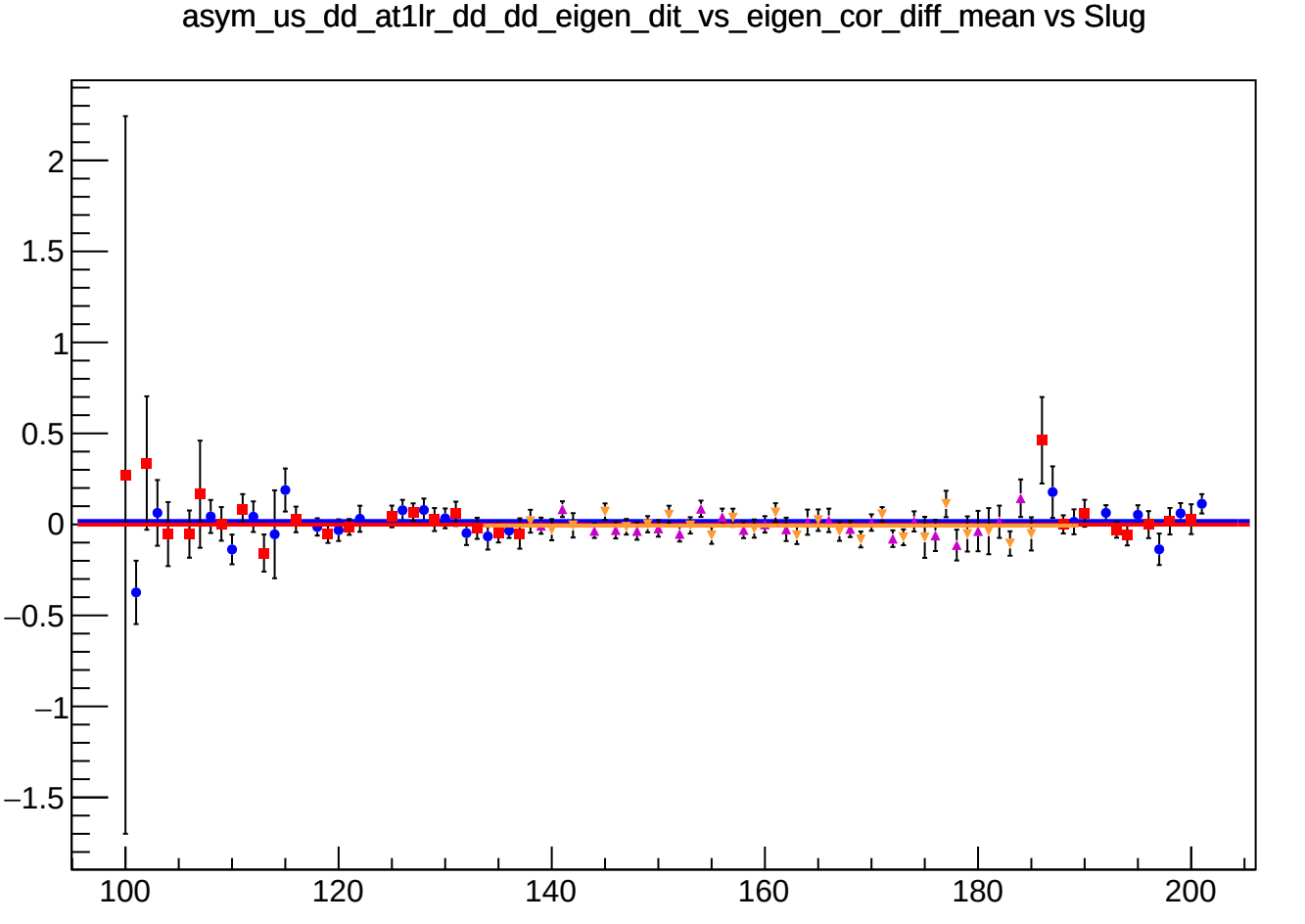
Right Out: 40.877+/-0.009 χ^2/NDF: 3042465.7/25

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 42.201+/-0.006 χ^2/NDF: 3552970.6/46

All: 41.697+/-0.004 χ^2/NDF: 8023368.2/95

\- sign 41.208+/-0.006 χ^2/NDF: 4456583.4/48



Right In: 0.019+/-0.014 χ^2/NDF: 28.3/22

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

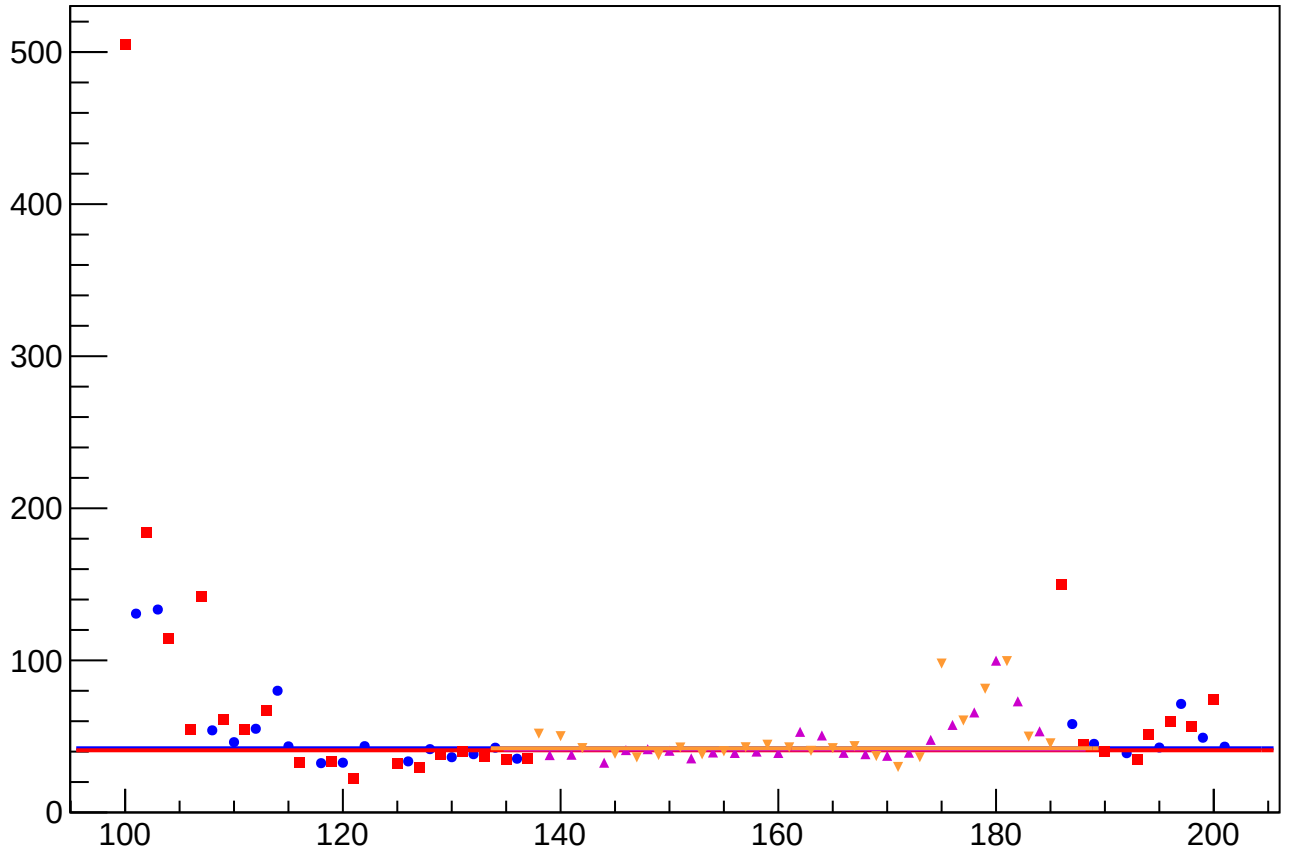
Right Out: -0.001+/-0.013 χ^2/NDF: 17.1/25

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.003+/-0.009 χ^2/NDF: 54.4/46

All: -0.001+/-0.006 χ^2/NDF: 92.1/95

- sign -0.004+/-0.008 χ^2/NDF: 37.2/48



Right In: 42.190+/-0.010 χ^2/NDF: 1733590.1/22

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

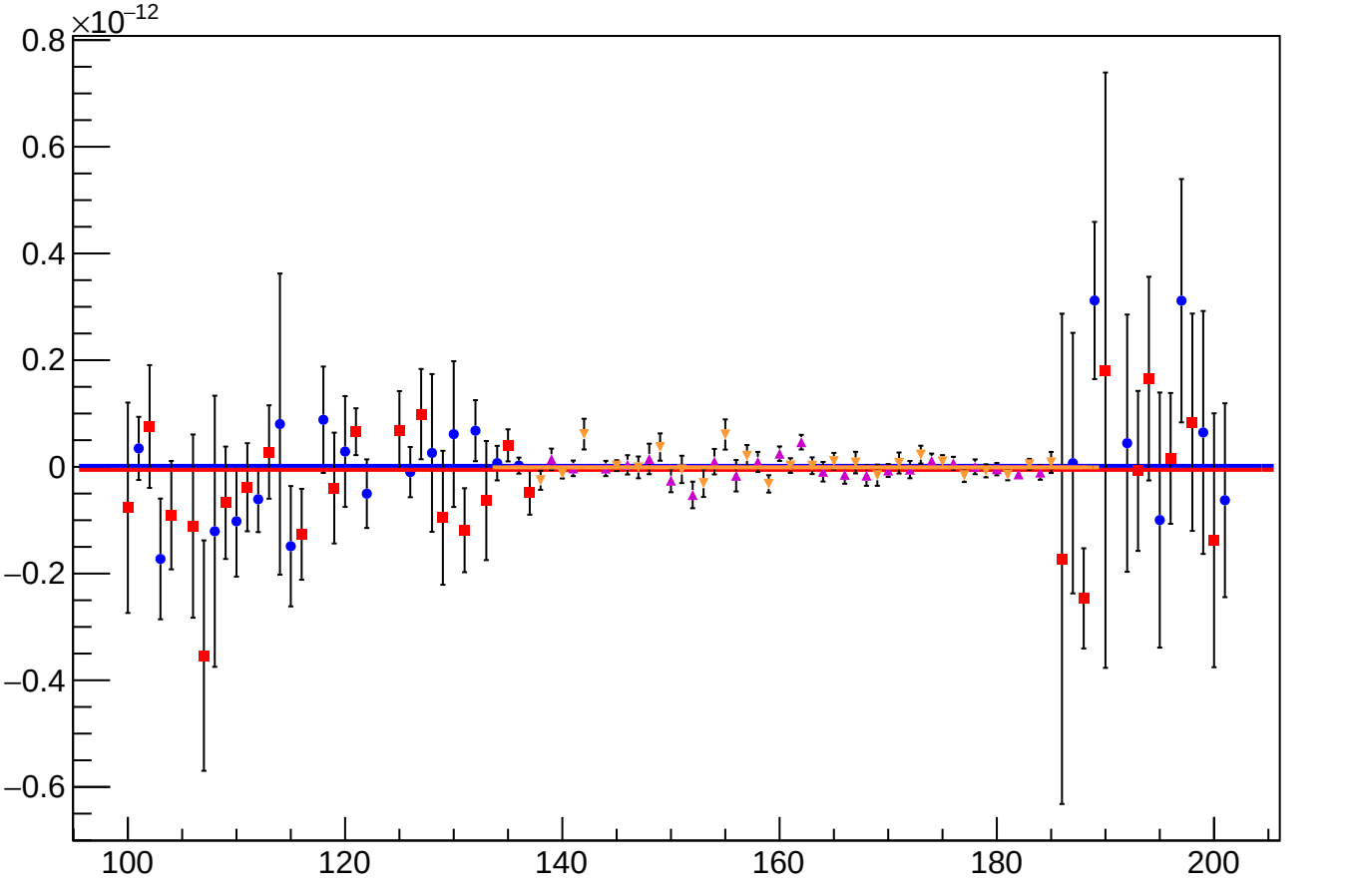
Right Out: 40.877+/-0.009 χ^2/NDF: 3042465.7/25

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 42.201+/-0.006 χ^2/NDF: 3552970.6/46

All: 41.697+/-0.004 χ^2/NDF: 8023368.2/95

\- sign 41.208+/-0.006 χ^2/NDF: 4456583.4/48



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

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

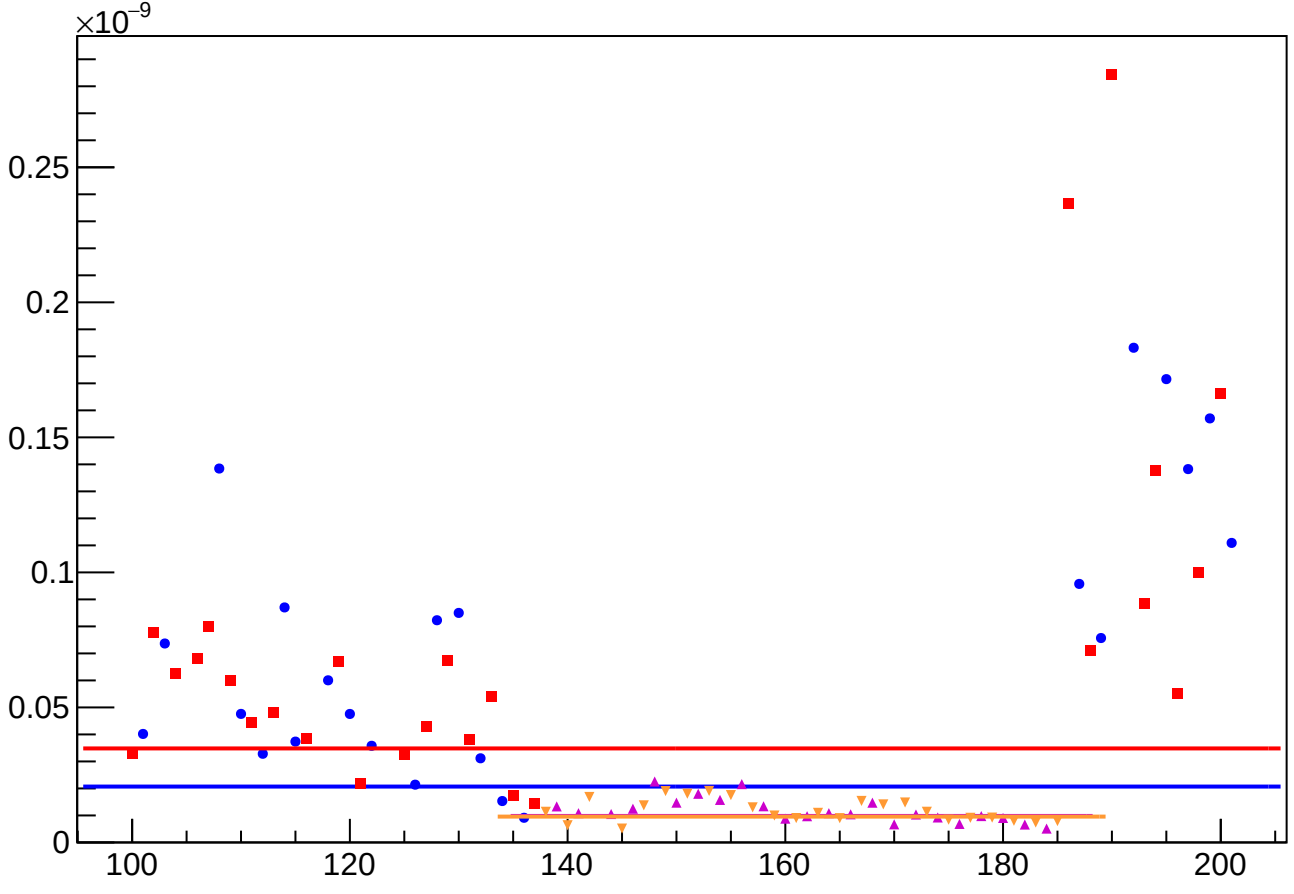
Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/25

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: 101.2/95

- sign -0.000+/-0.000 χ^2/NDF: 55.1/48



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: 5318626.6/25

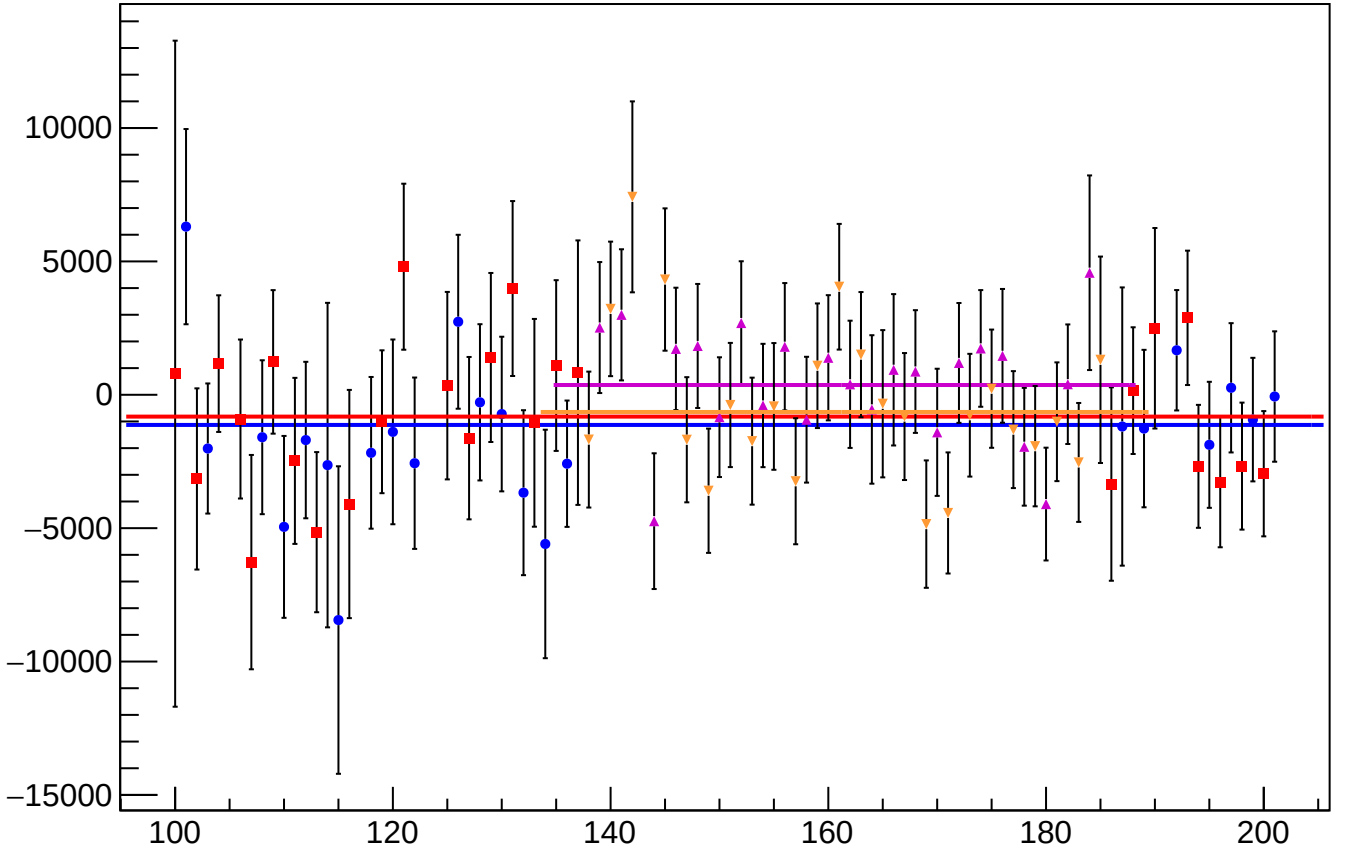
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12223110.5/46

All: 0.000+/-0.000 χ^2/NDF: 24609833.3/95

- sign 0.000+/-0.000 χ^2/NDF: 12363220.8/48

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: -818.019+/-592.206 χ^2/NDF: 19.7/25

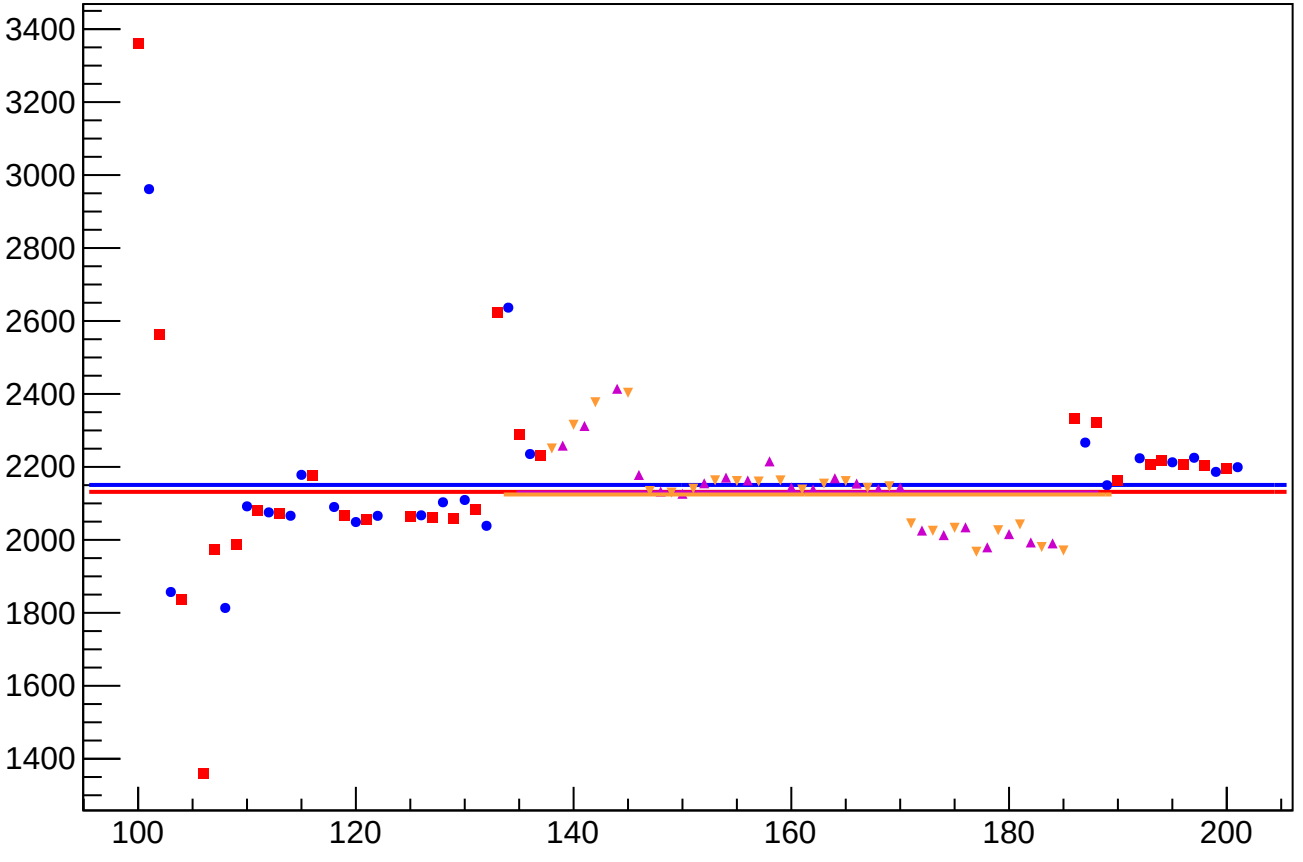
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -834.453+/-384.958 χ^2/NDF: 40.9/46

All: -475.594+/-270.833 χ^2/NDF: 82.0/95

- sign -123.890+/-381.101 χ^2/NDF: 39.4/48

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

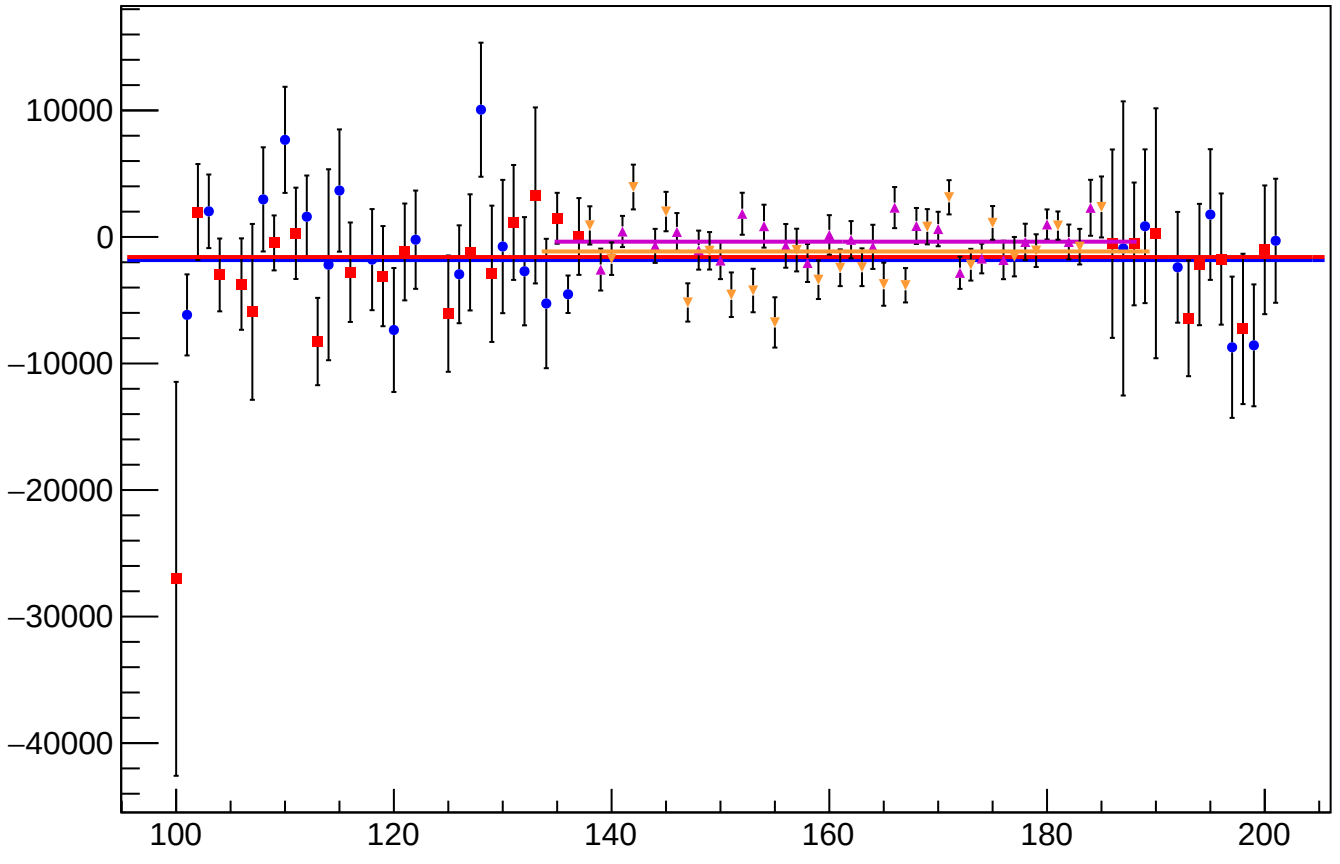
Right Out: 2131.619+/-0.419 χ^2/NDF: 294314.9/25

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2134.698+/-0.272 χ^2/NDF: 293037.4/46

All: 2132.633+/-0.192 χ^2/NDF: 672830.6/95

- sign 2130.610+/-0.269 χ^2/NDF: 379679.3/48



Right In: -1826.674+/-794.169 χ^2/NDF: 27.2/22

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

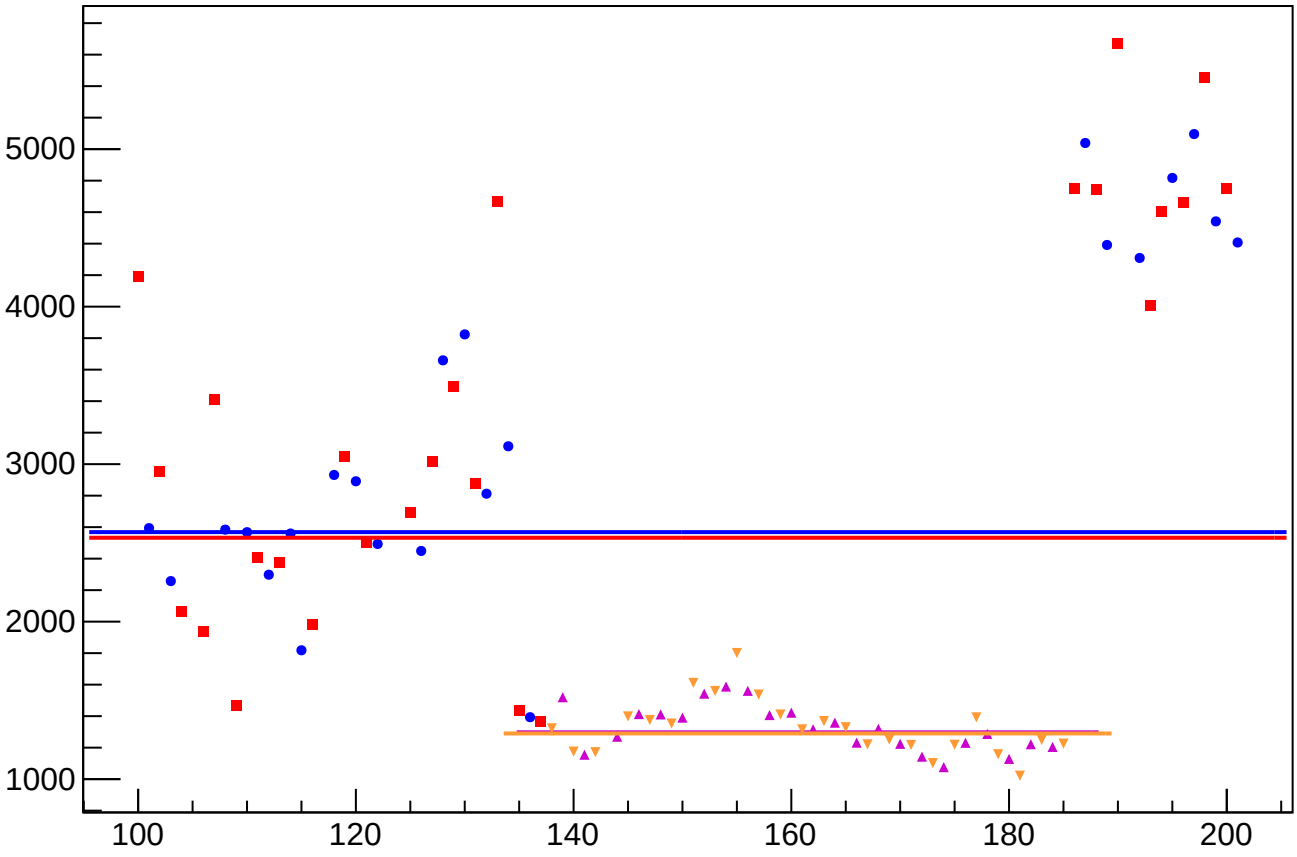
Right Out: -1587.293+/-771.052 χ^2/NDF: 15.7/25

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1231.204+/-282.678 χ^2/NDF: 95.3/46

All: -886.077+/-200.321 χ^2/NDF: 136.5/95

- sign -537.907+/-283.921 χ^2/NDF: 38.1/48



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: 2532.739+/-0.545 χ^2/NDF: 4499118.1/25

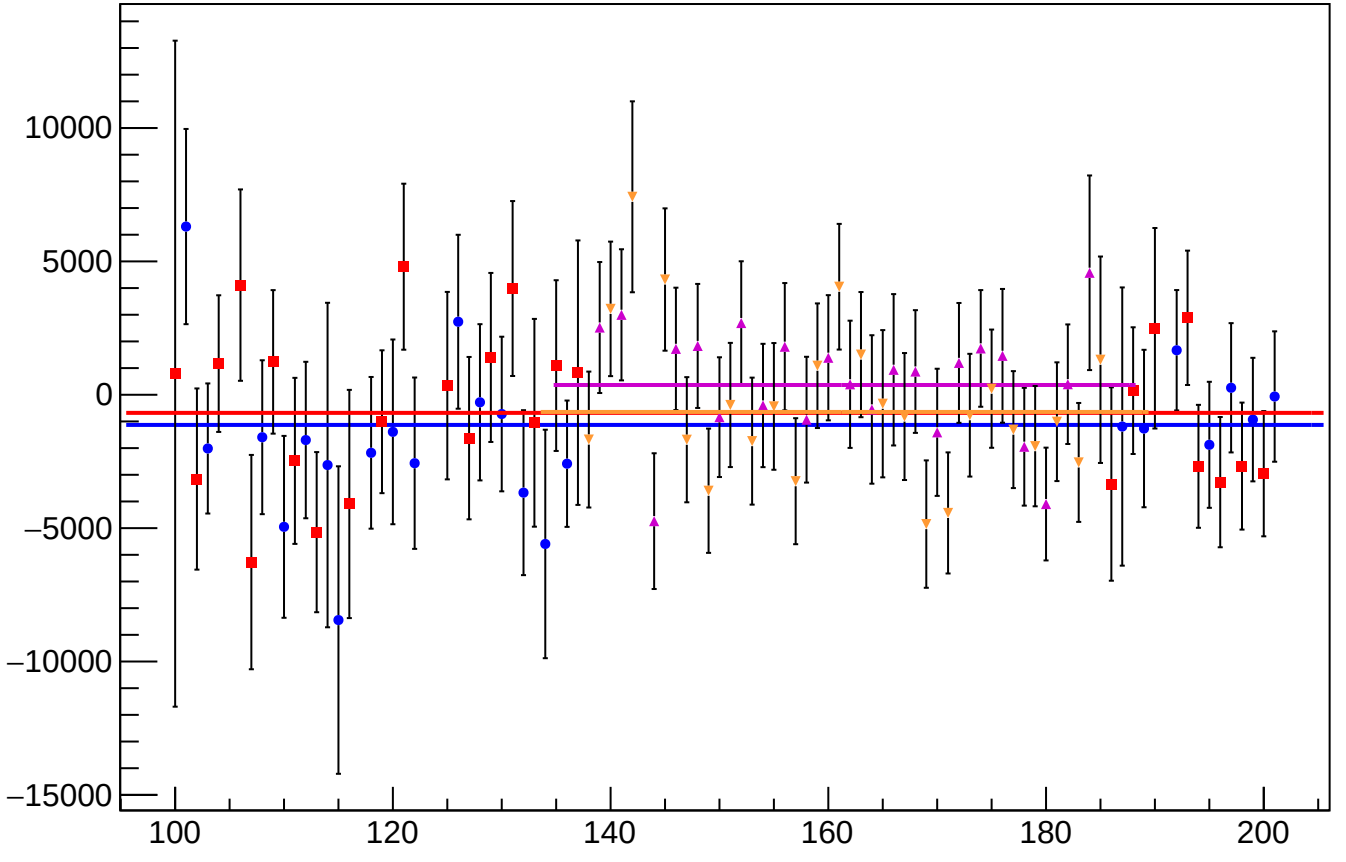
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1451.993+/-0.200 χ^2/NDF: 8686997.0/46

All: 1458.441+/-0.142 χ^2/NDF: 18059473.7/9

- sign 1464.946+/-0.201 χ^2/NDF: 9370386.1/48

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: -678.648+/-595.864 χ^2/NDF: 21.6/25

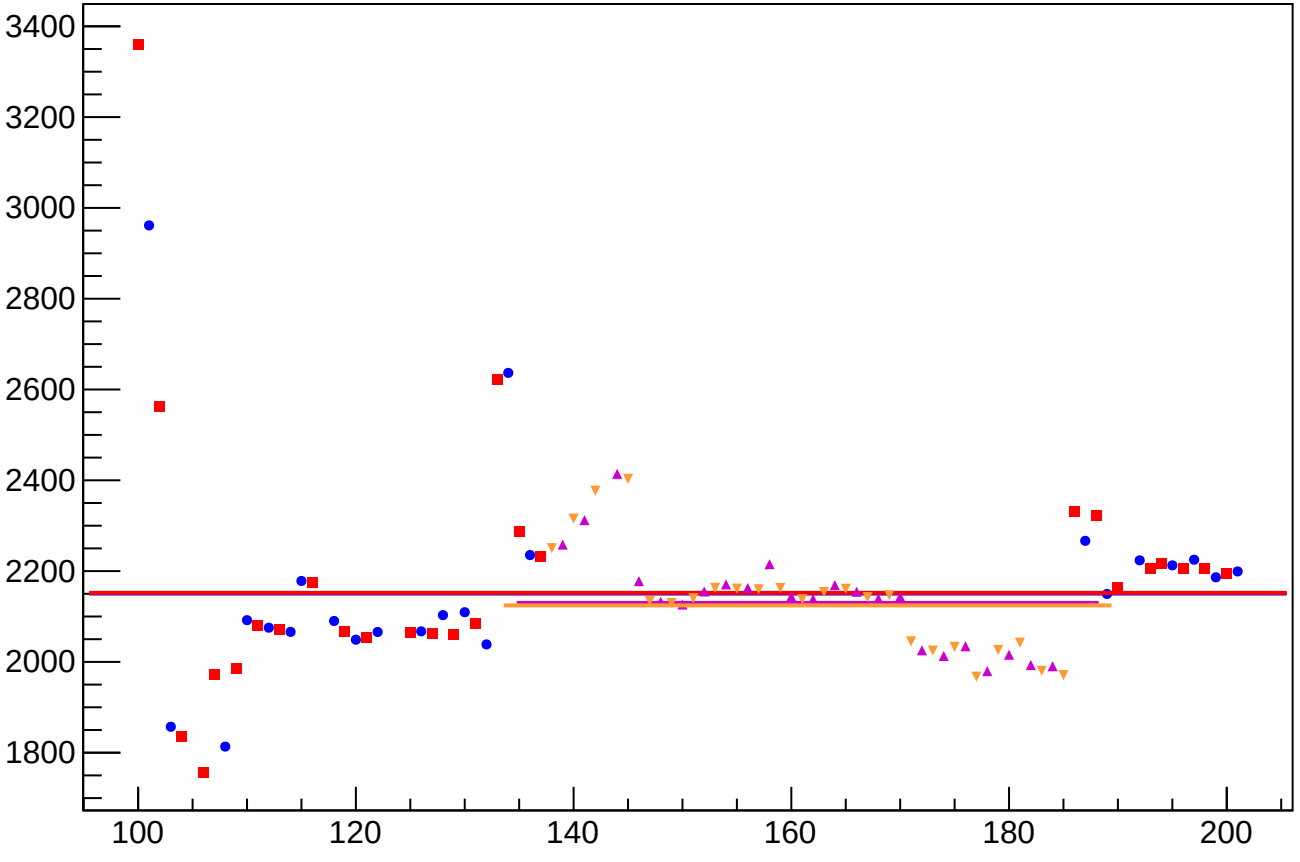
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -834.384+/-384.958 χ^2/NDF: 40.9/46

All: -445.847+/-271.180 χ^2/NDF: 83.6/95

- sign -63.117+/-382.071 χ^2/NDF: 40.7/48

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

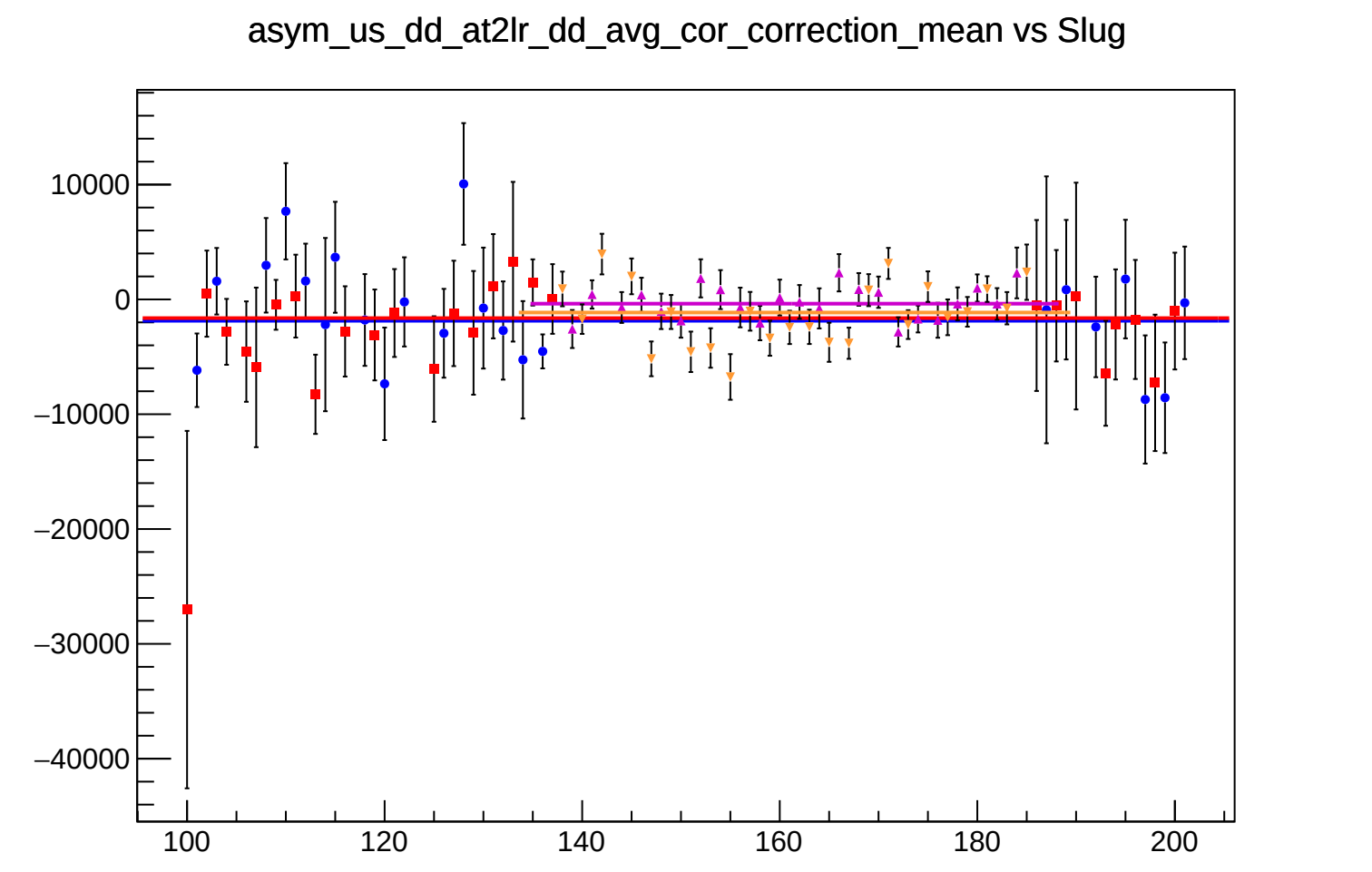
Right Out: 2152.074+/-0.421 χ^2/NDF: 180084.8/25

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2134.698+/-0.272 χ^2/NDF: 293037.7/46

All: 2136.872+/-0.192 χ^2/NDF: 560235.1/95

- sign 2139.015+/-0.270 χ^2/NDF: 267070.7/48



Right In: -1858.823+/-793.942 χ^2/NDF: 26.8/22

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

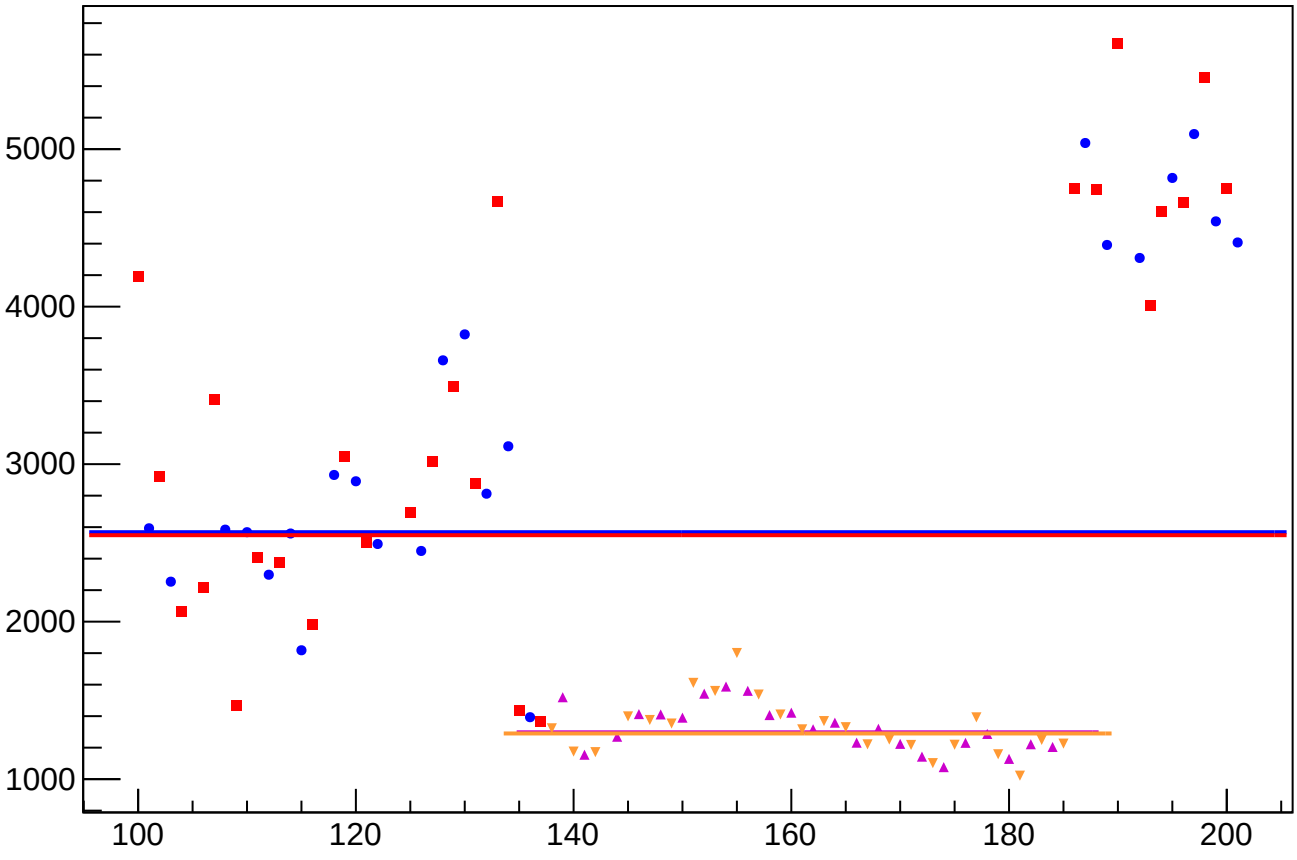
Right Out: -1629.040+/-776.179 χ^2/NDF: 15.2/25

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1235.291+/-282.669 χ^2/NDF: 95.0/46

All: -890.252+/-200.408 χ^2/NDF: 135.8/95

- sign -541.526+/-284.175 χ^2/NDF: 37.7/48



Right In: 2567.921+/-0.561 χ^2/NDF: 3593918.9/22

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

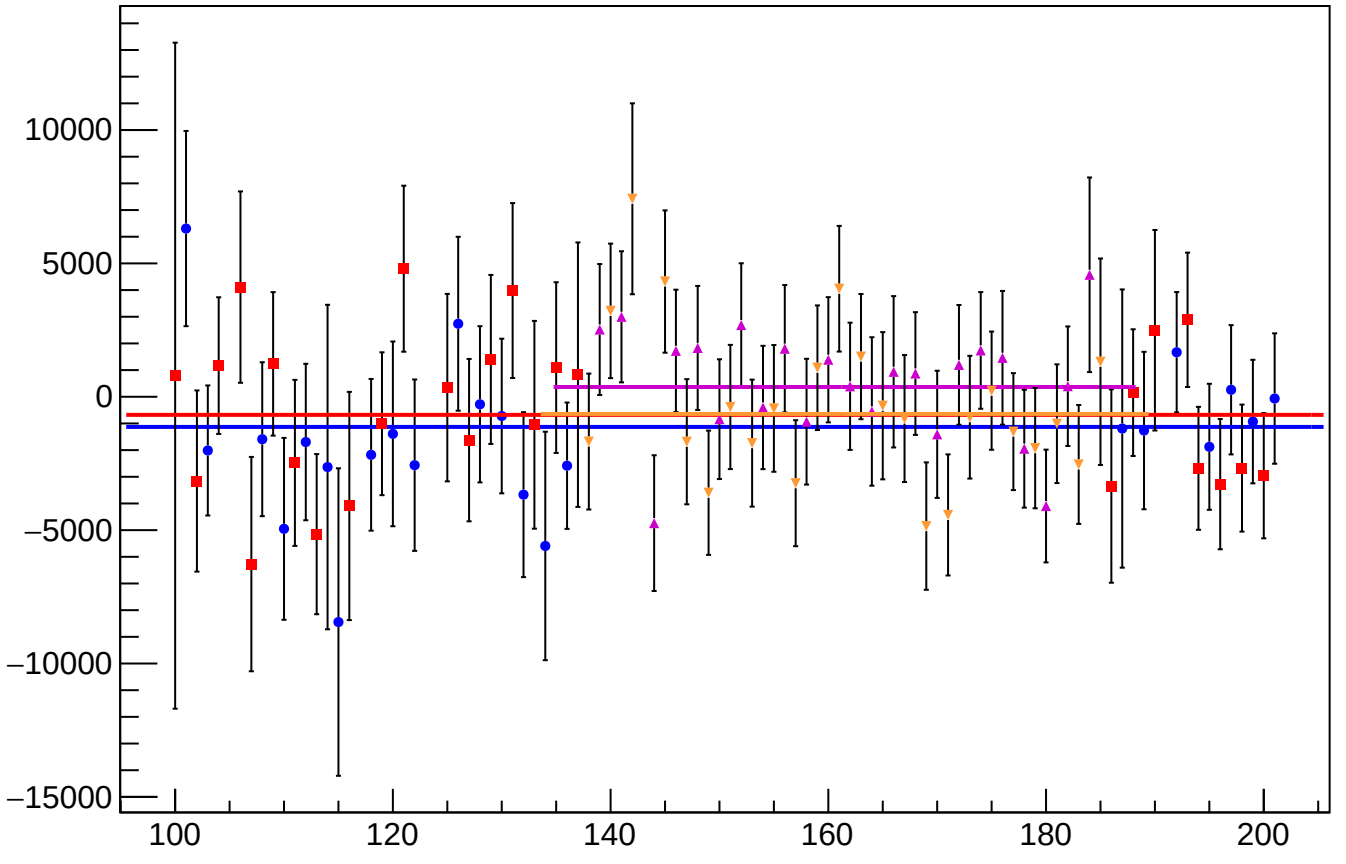
Right Out: 2548.927+/-0.549 χ^2/NDF: 4452716.3/25

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1452.024+/-0.200 χ^2/NDF: 8686267.0/46

All: 1458.582+/-0.142 χ^2/NDF: 18077533.0/9

- sign 1465.210+/-0.201 χ^2/NDF: 9389101.3/48



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: -678.648+/-595.864 χ^2/NDF: 21.6/25

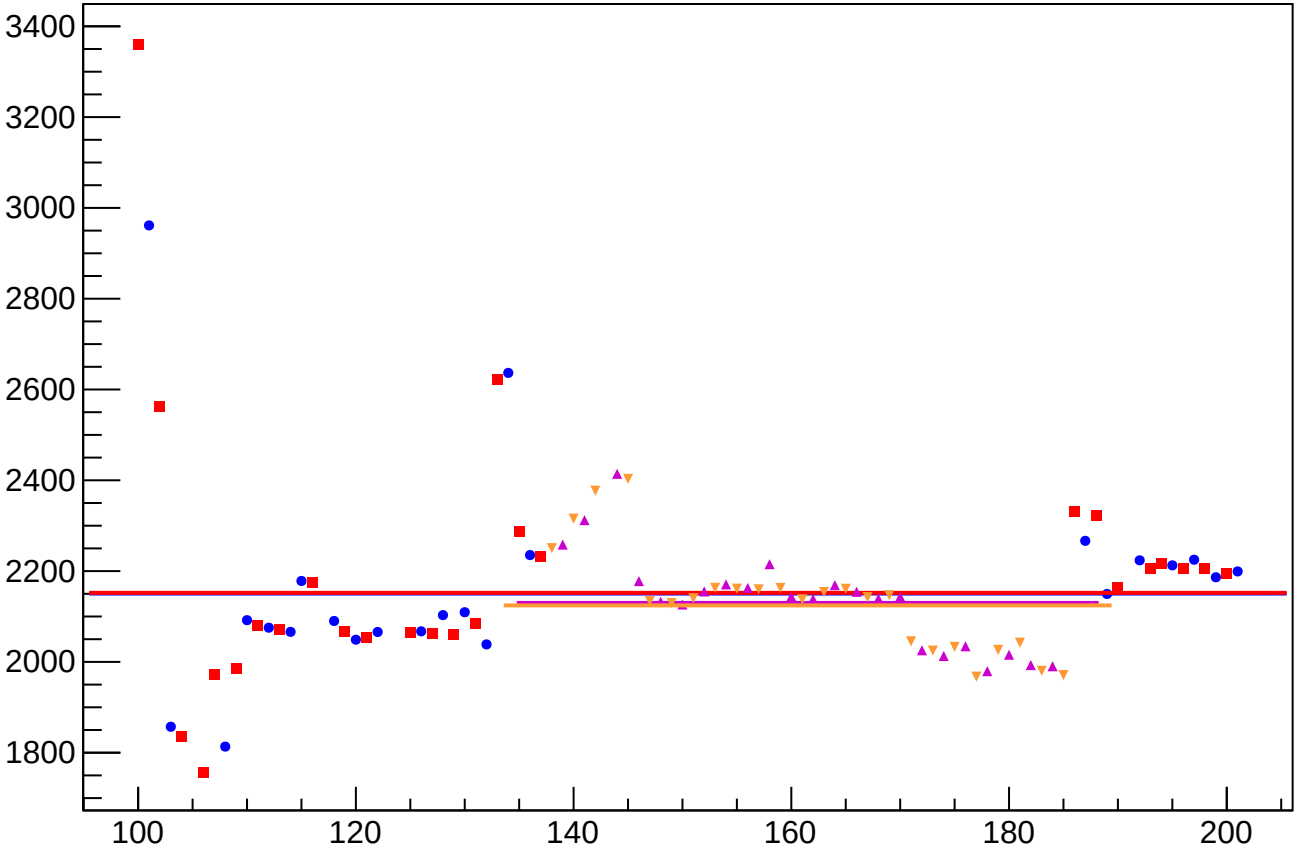
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

\+ sign -834.384+/-384.958 χ^2/NDF: 40.9/46

All: -445.847+/-271.180 χ^2/NDF: 83.6/95

\- sign -63.117+/-382.071 χ^2/NDF: 40.7/48

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

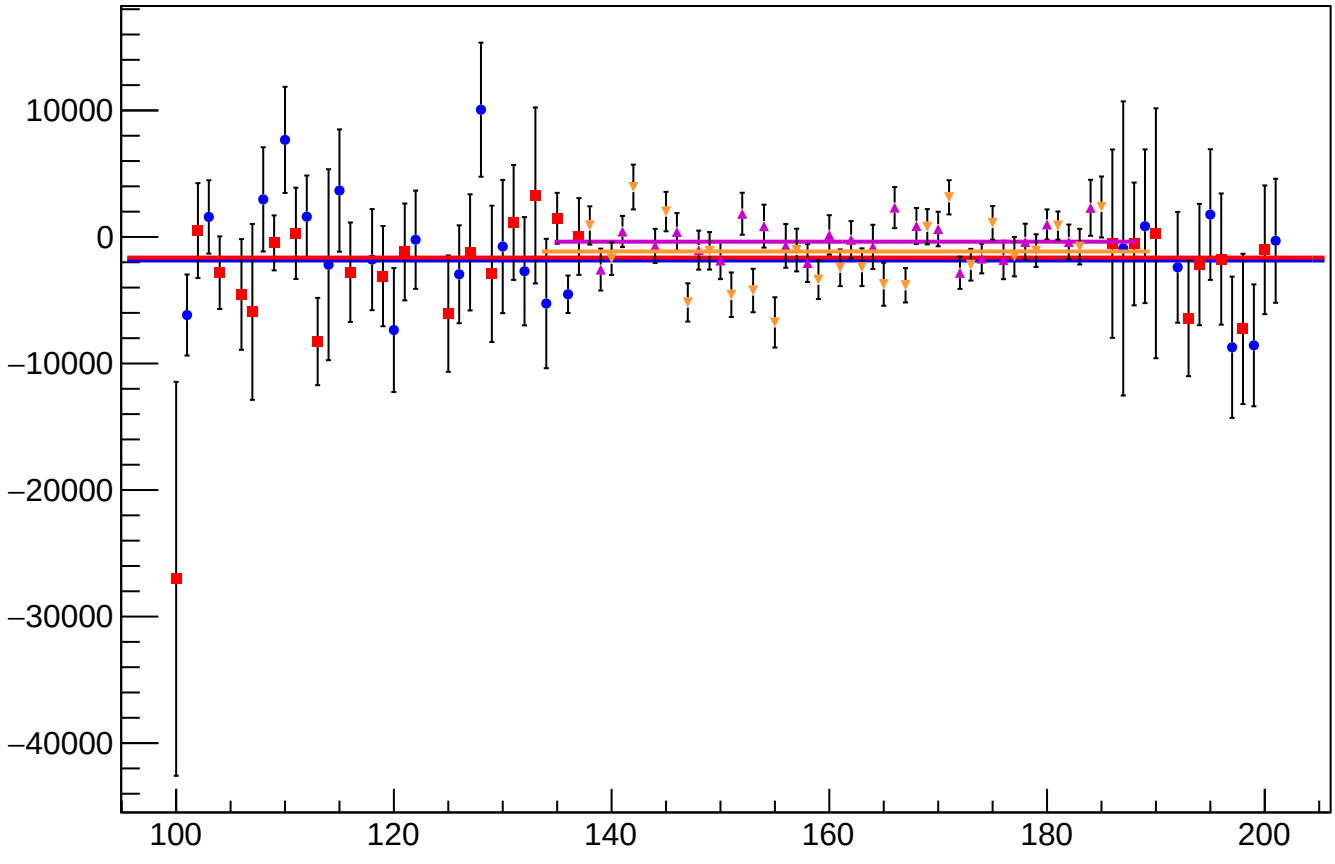
Right Out: 2152.074+/-0.421 χ^2/NDF: 180084.8/25

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2134.698+/-0.272 χ^2/NDF: 293037.7/46

All: 2136.872+/-0.192 χ^2/NDF: 560235.1/95

- sign 2139.015+/-0.270 χ^2/NDF: 267070.7/48



Right In: -1858.823+/-793.942 χ^2/NDF: 26.8/22

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

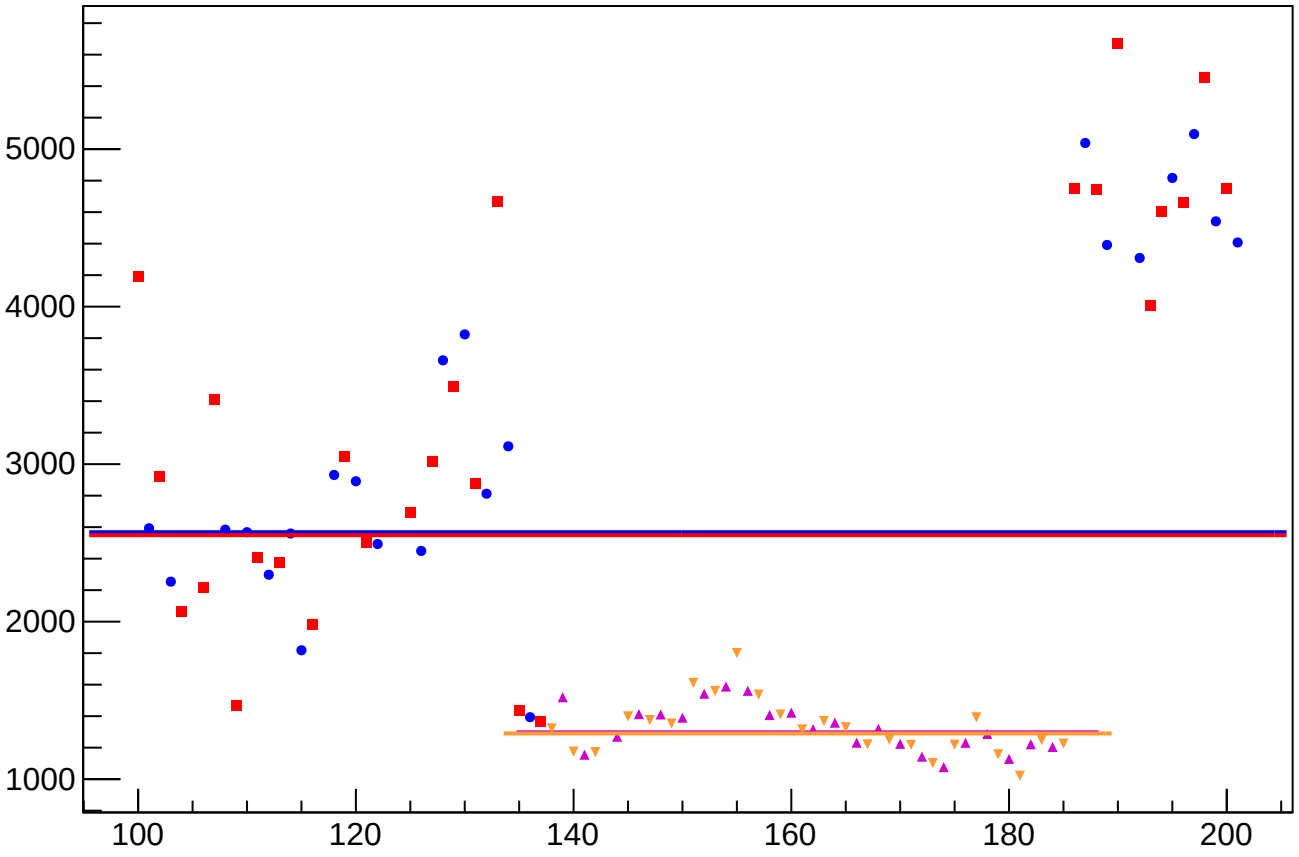
Right Out: -1629.040+/-776.179 χ^2/NDF: 15.2/25

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1235.291+/-282.669 χ^2/NDF: 95.0/46

All: -890.252+/-200.408 χ^2/NDF: 135.8/95

- sign -541.526+/-284.175 χ^2/NDF: 37.7/48



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: 2548.927+/-0.549 χ^2/NDF: 4452716.3/25

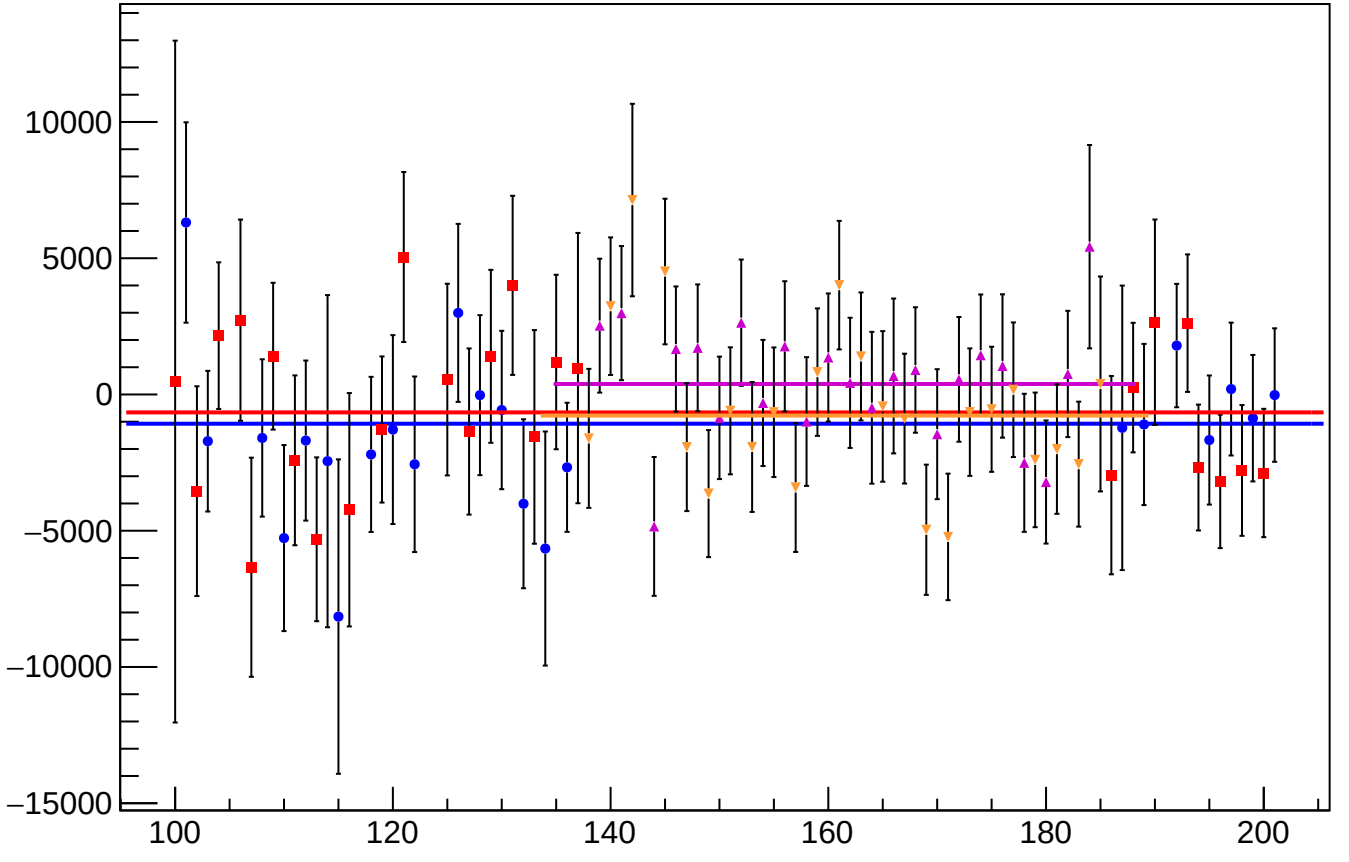
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1452.024+/-0.200 χ^2/NDF: 8686267.0/46

All: 1458.582+/-0.142 χ^2/NDF: 18077533.0/9

- sign 1465.210+/-0.201 χ^2/NDF: 9389101.3/48

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: -658.164+/-601.190 χ^2/NDF: 21.5/25

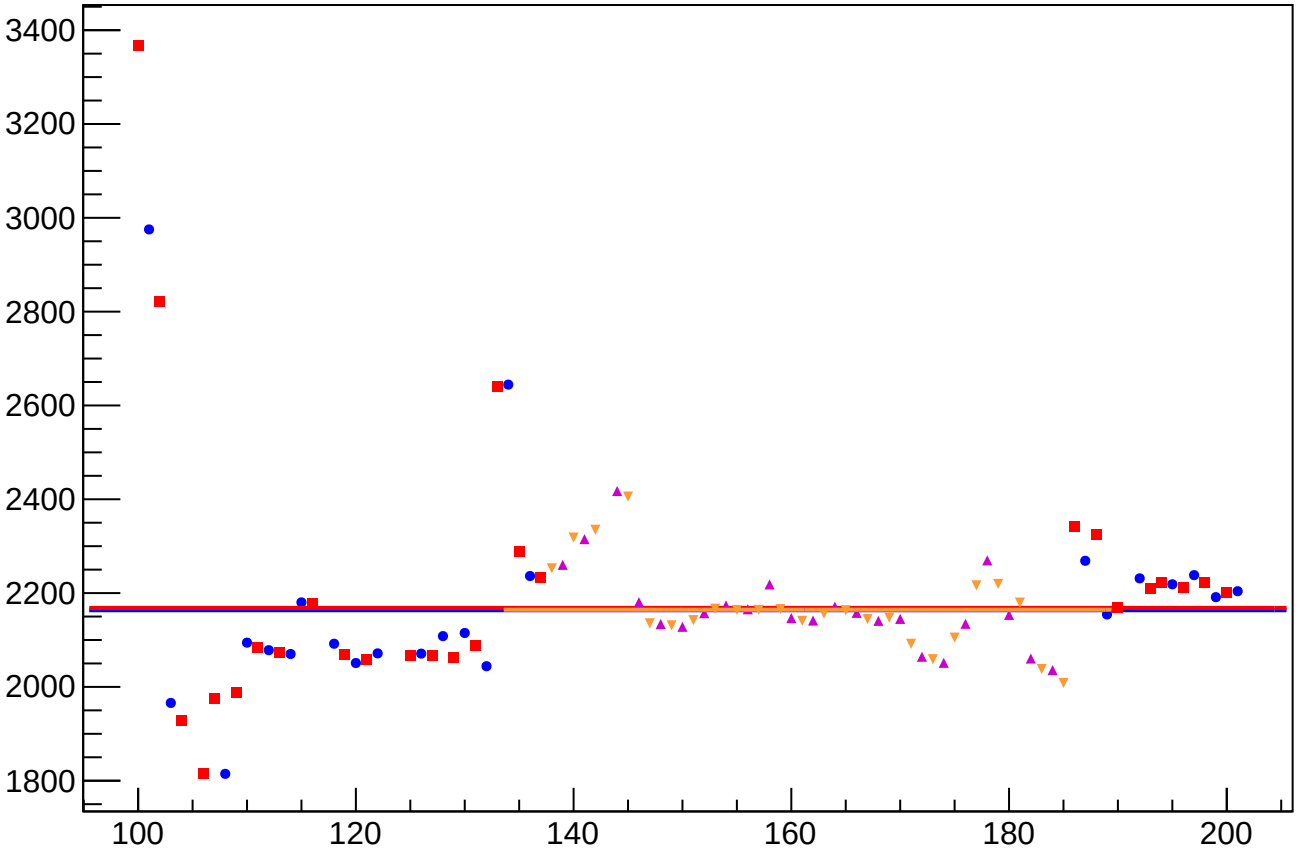
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -892.731+/-390.118 χ^2/NDF: 42.7/46

All: -466.865+/-274.801 χ^2/NDF: 83.9/95

- sign -47.449+/-387.153 χ^2/NDF: 38.9/48

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

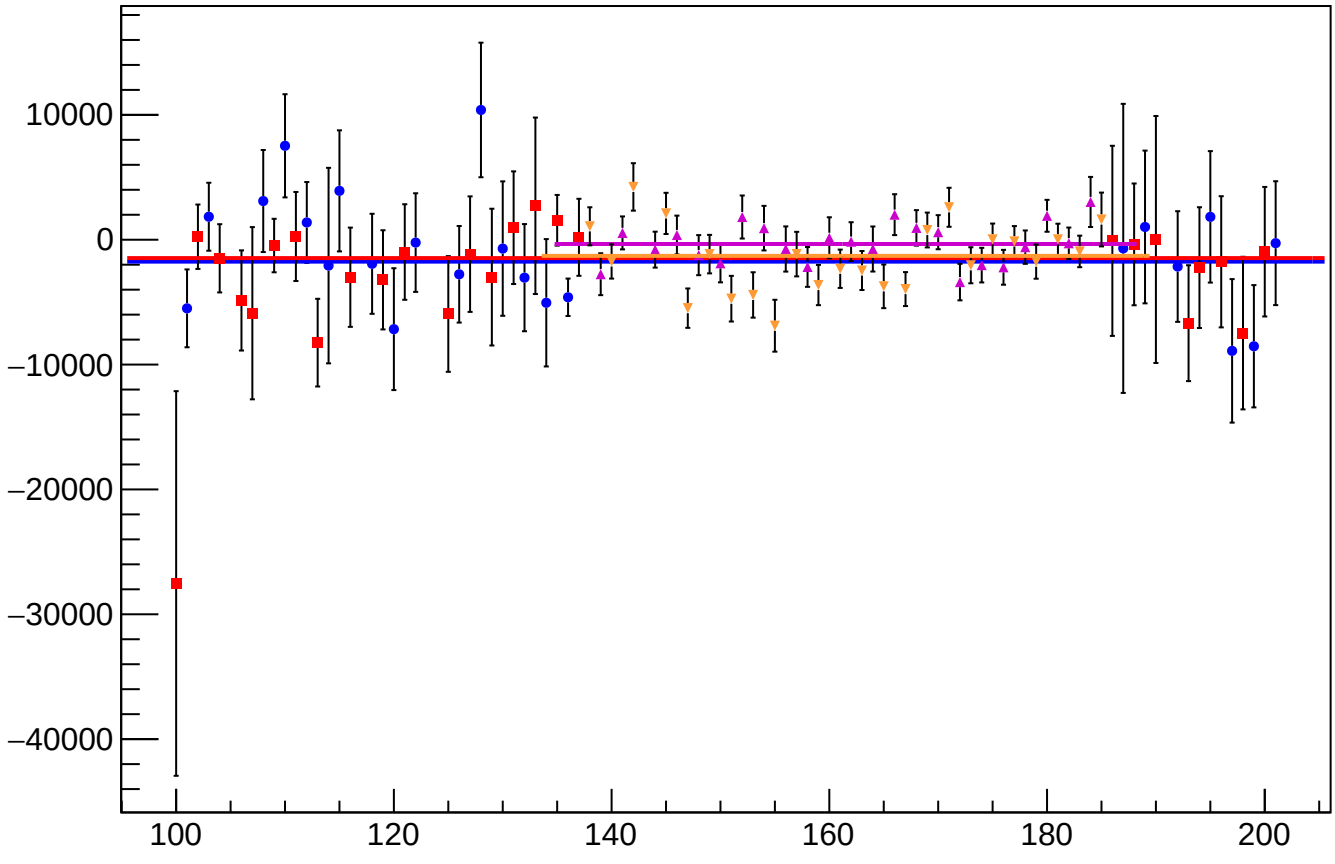
Right Out: 2168.469+/-0.425 χ^2/NDF: 188527.1/25

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2164.102+/-0.276 χ^2/NDF: 236320.7/46

All: 2165.469+/-0.194 χ^2/NDF: 477046.9/95

- sign 2166.815+/-0.274 χ^2/NDF: 240677.4/48



Right In: -1754.011+/-793.887 χ^2/NDF: 26.9/22

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

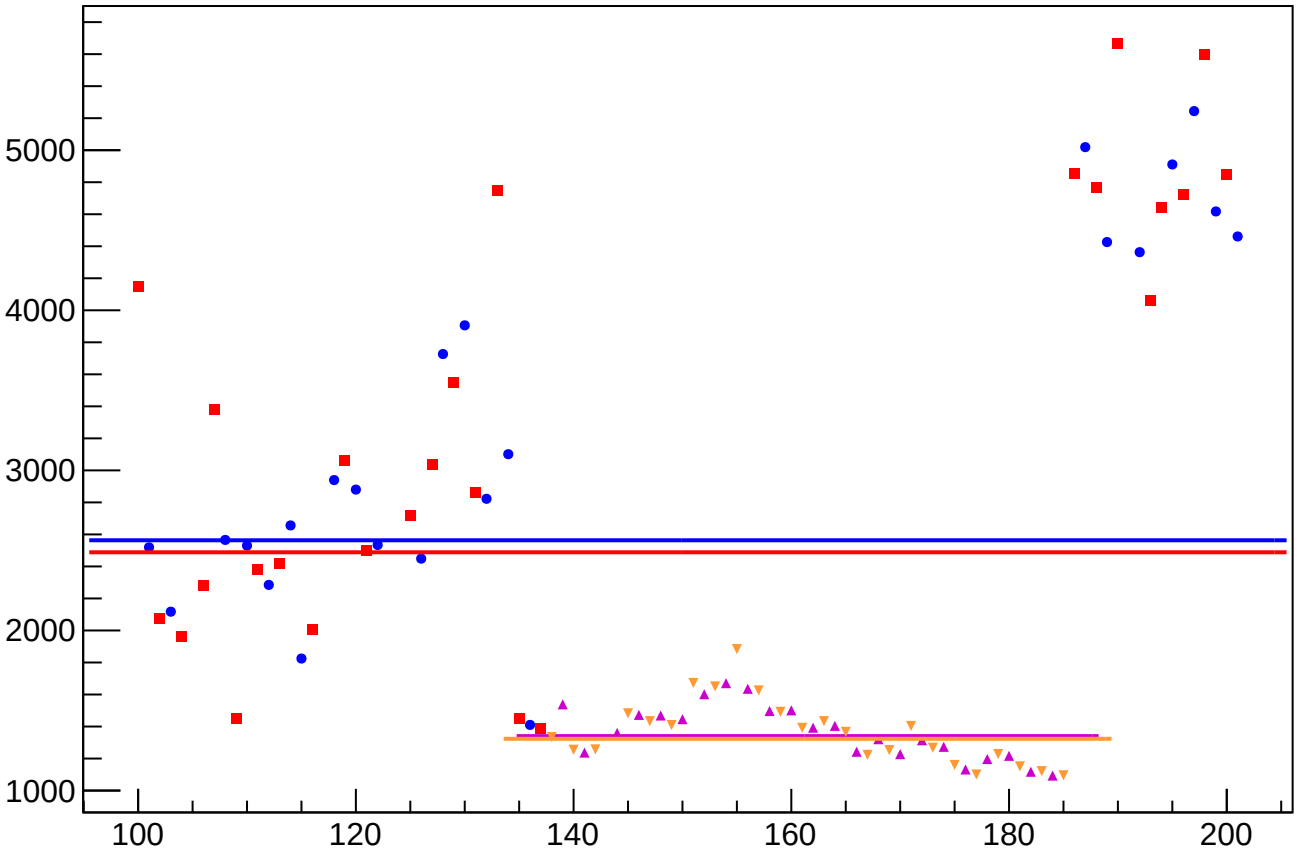
Right Out: -1470.864+/-756.600 χ^2/NDF: 15.5/25

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1354.827+/-289.268 χ^2/NDF: 85.9/46

All: -934.623+/-205.240 χ^2/NDF: 132.3/95

- sign -508.646+/-291.249 χ^2/NDF: 42.2/48



Right In: 2563.373+/-0.561 χ^2/NDF: 3658225.6/22

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

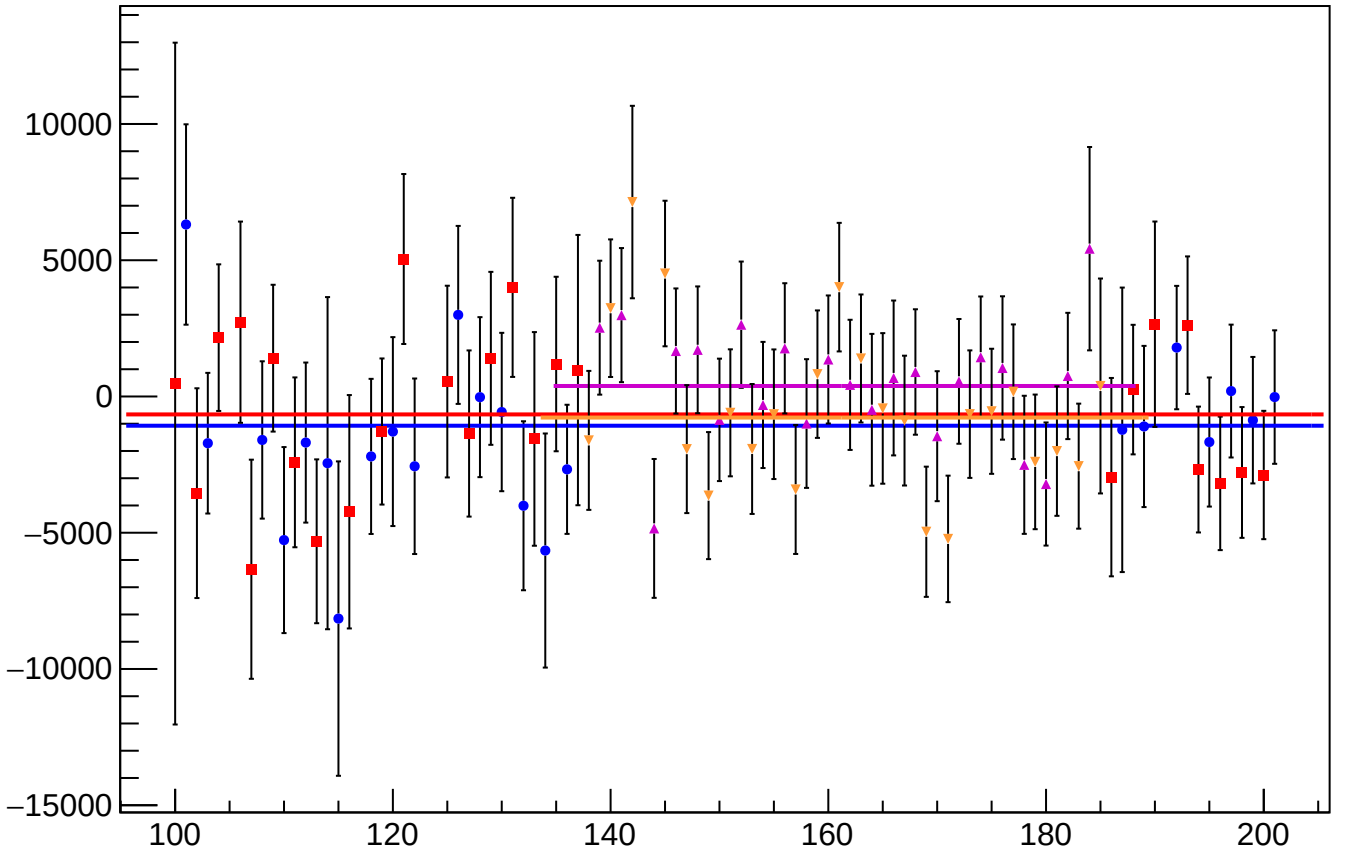
Right Out: 2488.399+/-0.535 χ^2/NDF: 4592520.4/25

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1488.027+/-0.205 χ^2/NDF: 8553372.9/46

All: 1499.059+/-0.145 χ^2/NDF: 17570349.8/9

- sign 1510.243+/-0.206 χ^2/NDF: 9011118.6/48



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: -658.161+/-601.190 χ^2/NDF: 21.5/25

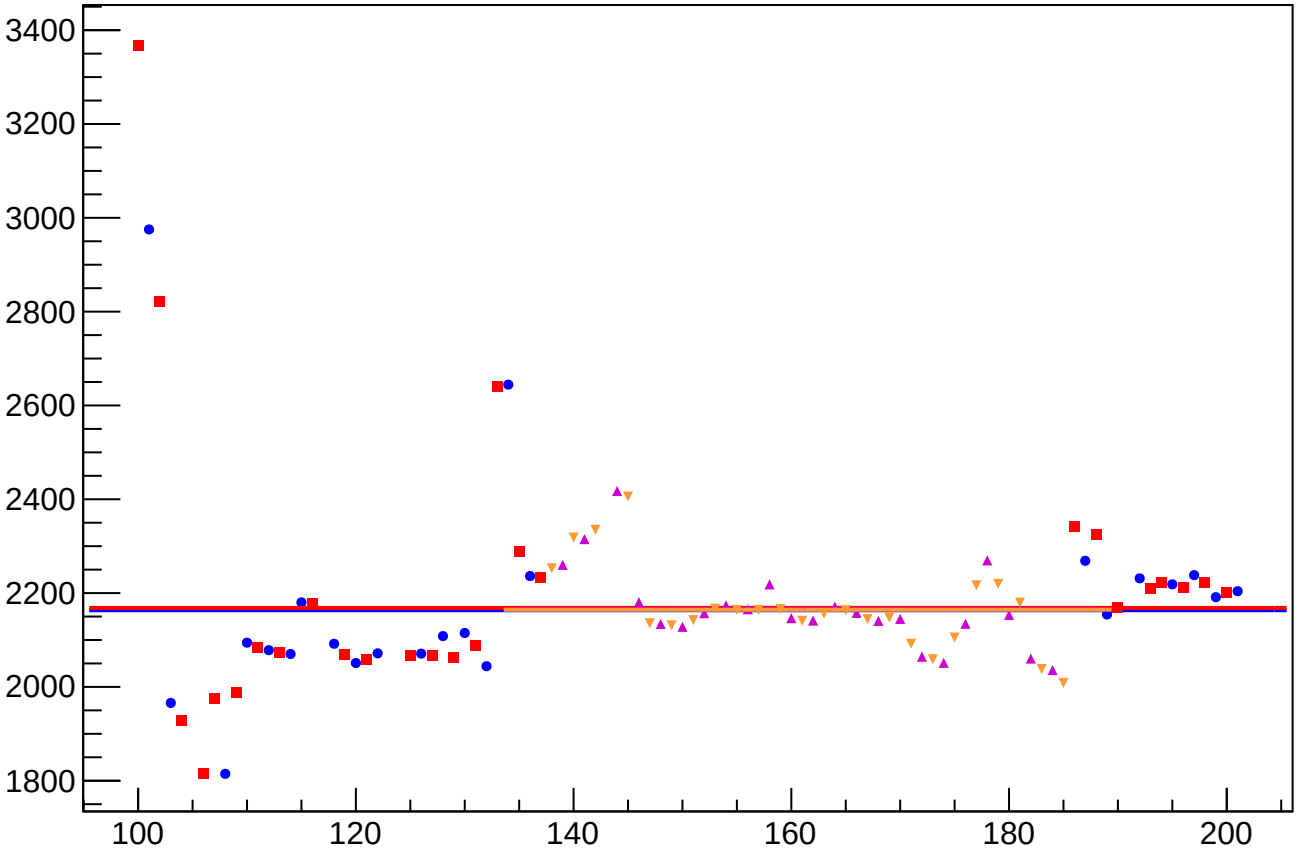
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

\+ sign -892.729+/-390.118 χ^2/NDF: 42.7/46

All: -466.864+/-274.801 χ^2/NDF: 83.9/95

\- sign -47.448+/-387.153 χ^2/NDF: 38.9/48

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

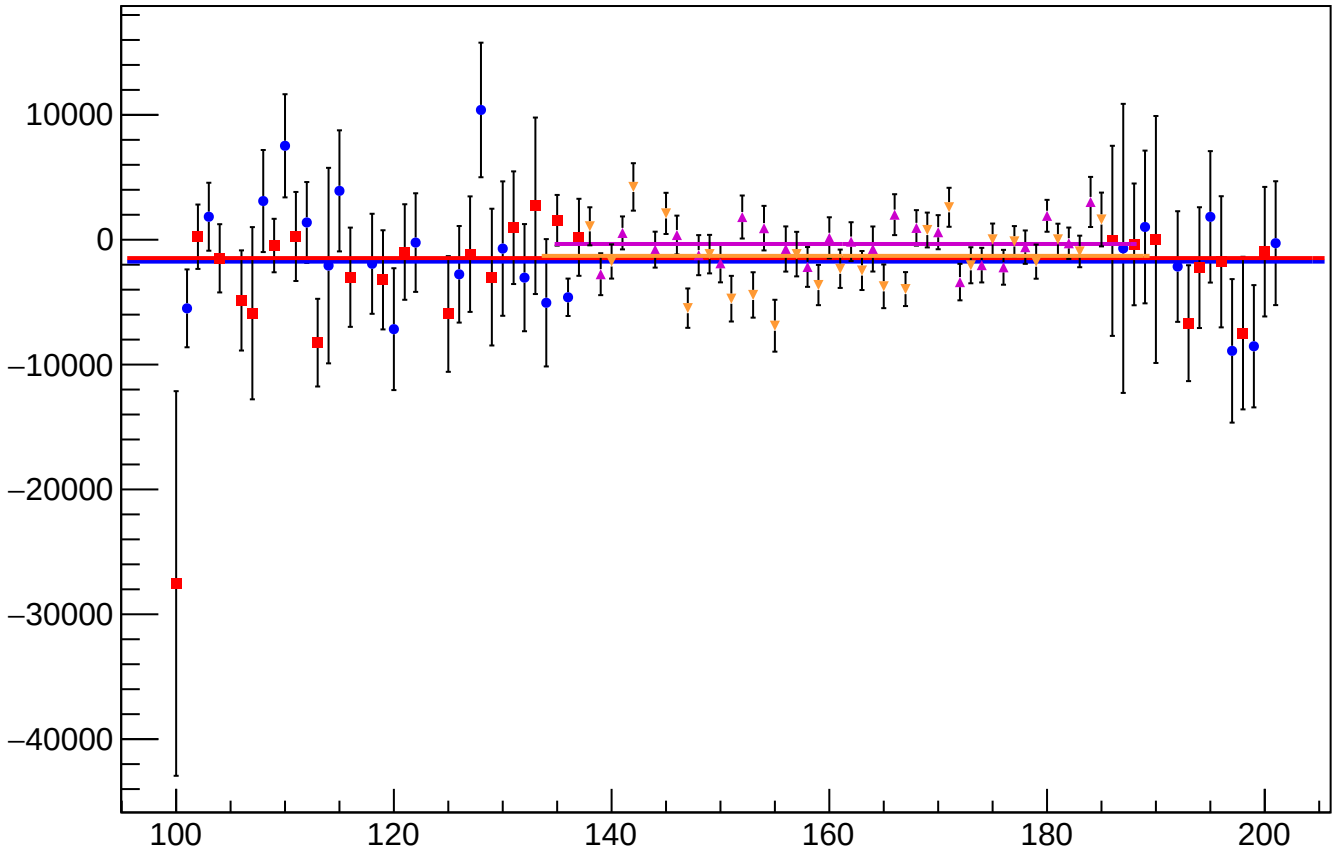
Right Out: 2168.469+/-0.425 χ^2/NDF: 188527.0/25

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2164.101+/-0.276 χ^2/NDF: 236320.7/46

All: 2165.468+/-0.194 χ^2/NDF: 477046.7/95

- sign 2166.815+/-0.274 χ^2/NDF: 240677.3/48



Right In: -1754.001+/-793.889 χ^2/NDF: 26.9/22

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

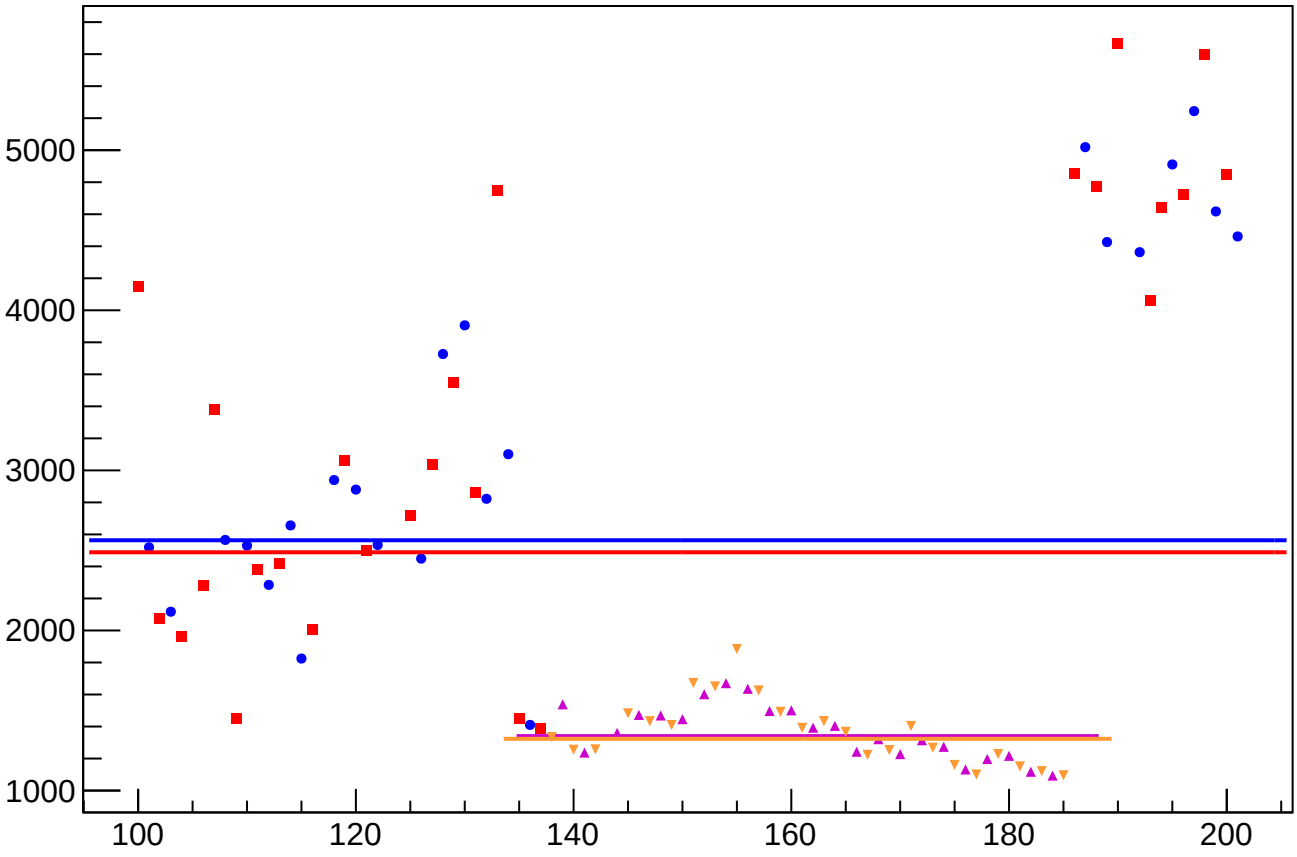
Right Out: -1470.880+/-756.603 χ^2/NDF: 15.5/25

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1354.826+/-289.268 χ^2/NDF: 85.9/46

All: -934.622+/-205.240 χ^2/NDF: 132.3/95

- sign -508.644+/-291.248 χ^2/NDF: 42.2/48



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: 2488.412+/-0.535 χ^2/NDF: 4592442.9/25

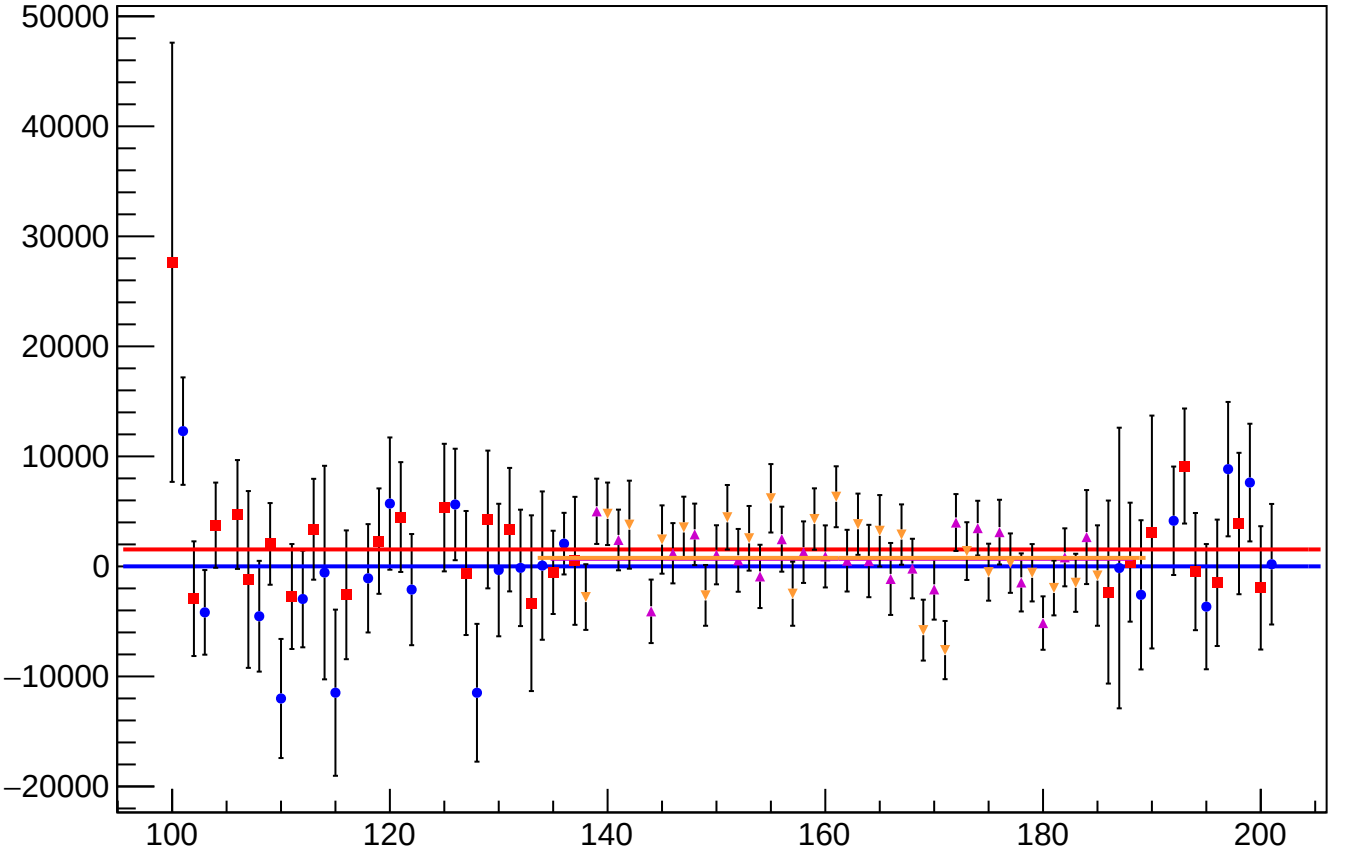
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1488.028+/-0.205 χ^2/NDF: 8553355.6/46

All: 1499.060+/-0.145 χ^2/NDF: 17570340.4/9

- sign 1510.243+/-0.206 χ^2/NDF: 9011127.1/48

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: 1543.003+/-1060.717 χ^2/NDF: 10.1/25

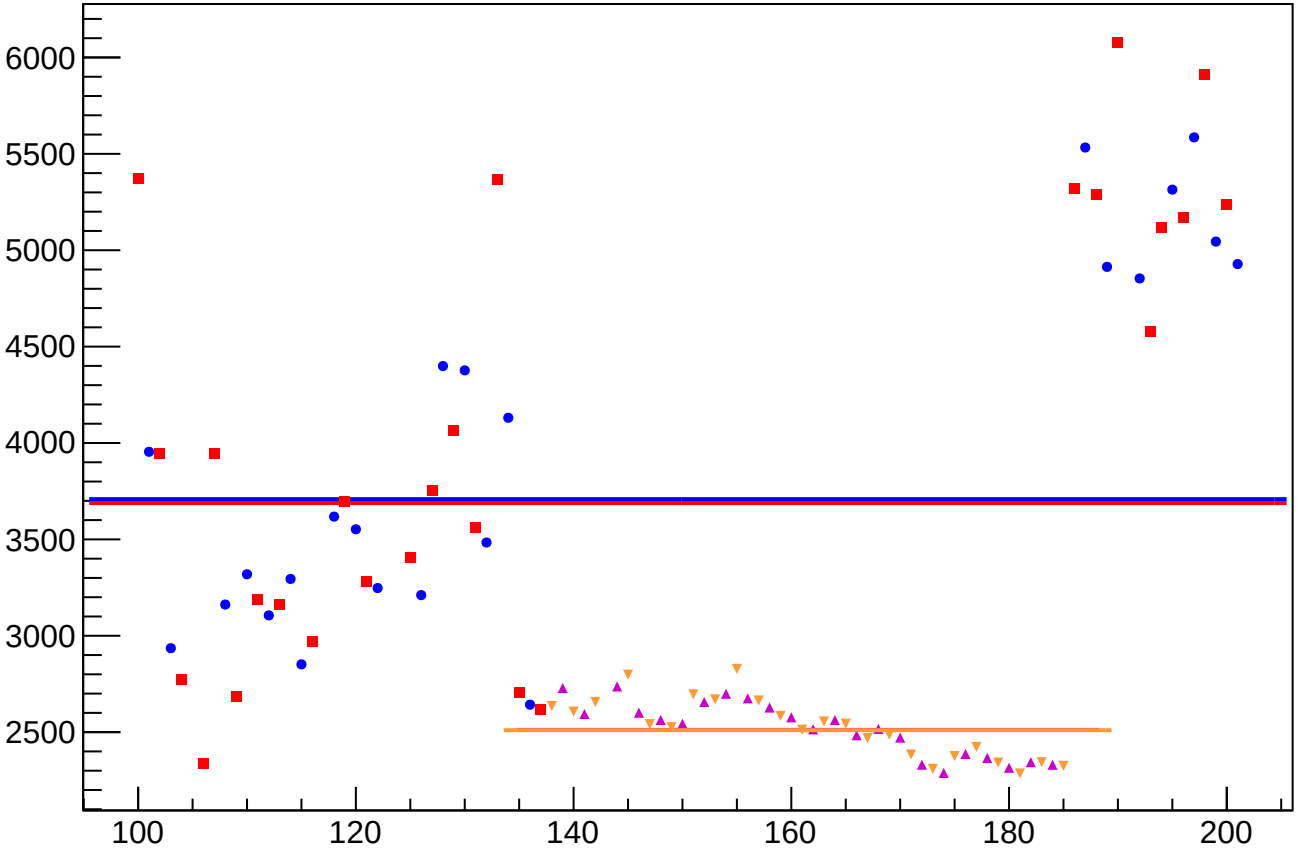
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 602.835+/-514.429 χ^2/NDF: 67.4/46

All: 746.667+/-363.565 χ^2/NDF: 96.5/95

- sign 890.197+/-513.888 χ^2/NDF: 28.9/48

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3708.728+/-0.770 χ^2/NDF: 1359300.0/22

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

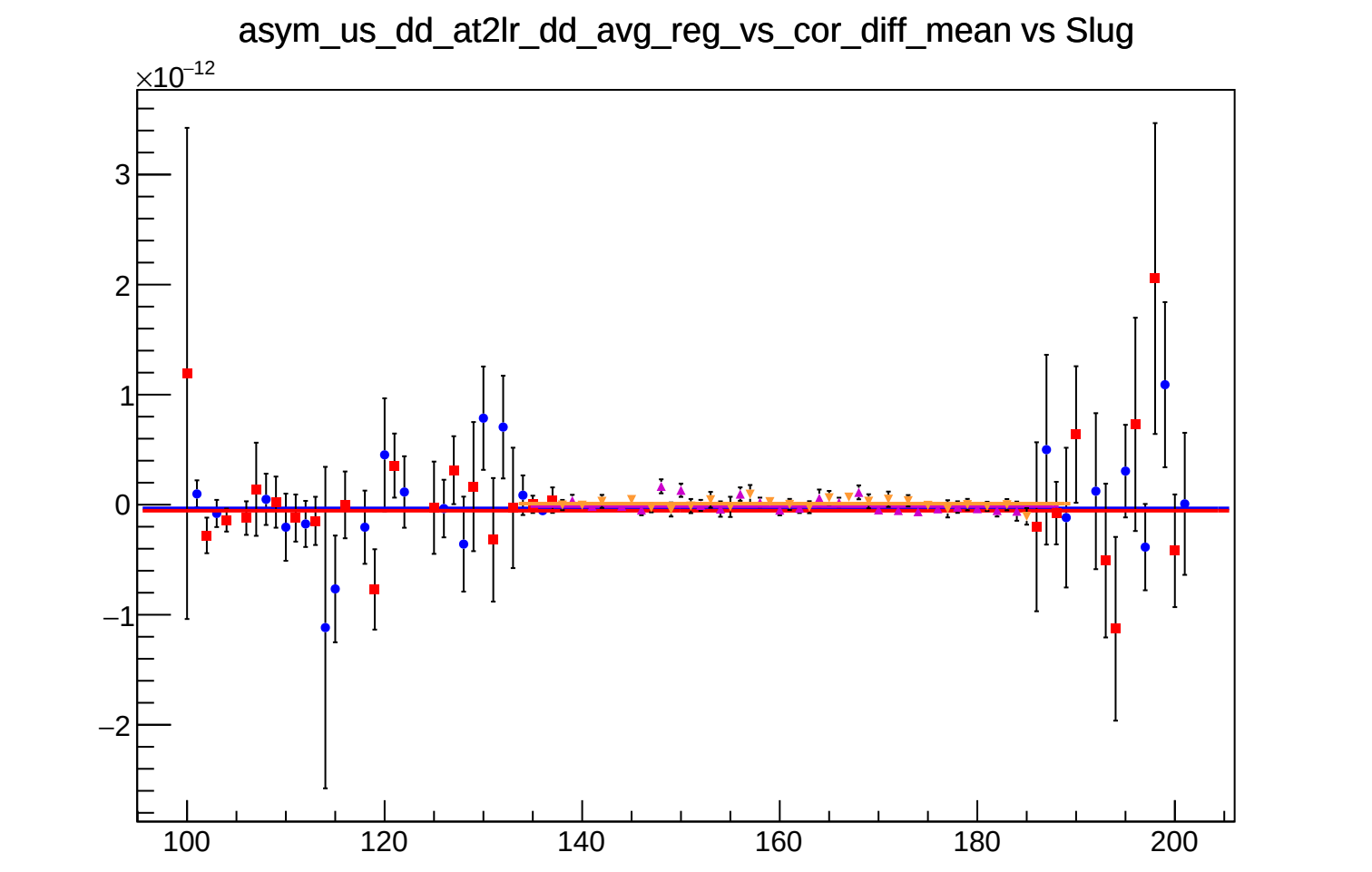
Right Out: 3688.474+/-0.750 χ^2/NDF: 1905434.8/25

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2777.666+/-0.364 χ^2/NDF: 3370887.9/46

All: 2782.760+/-0.257 χ^2/NDF: 7274341.1/95

- sign 2787.843+/-0.363 χ^2/NDF: 3903061.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

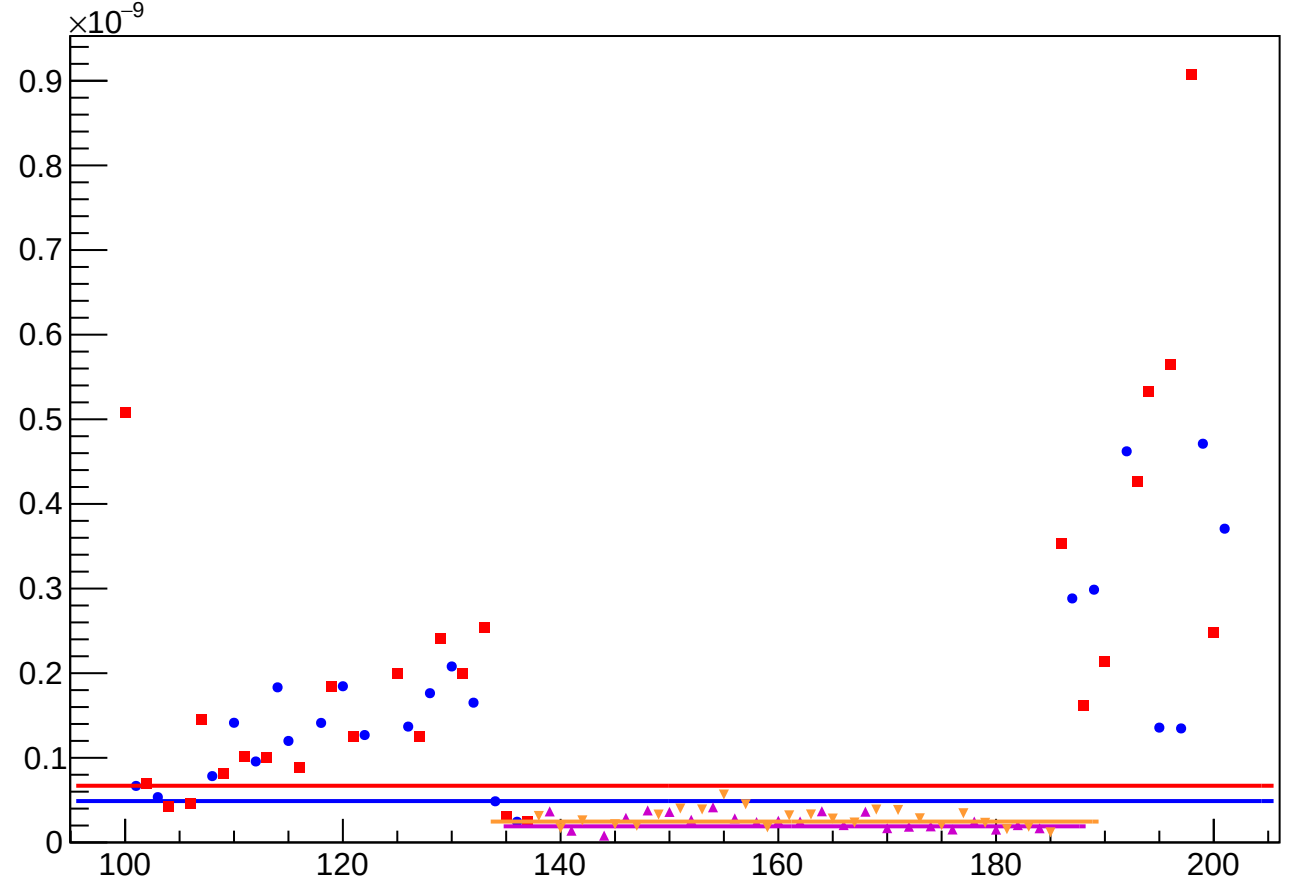
Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/25

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/46

All: -0.000+/-0.000 χ^2/NDF: 84.9/95

- sign -0.000+/-0.000 χ^2/NDF: 51.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 4727432.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

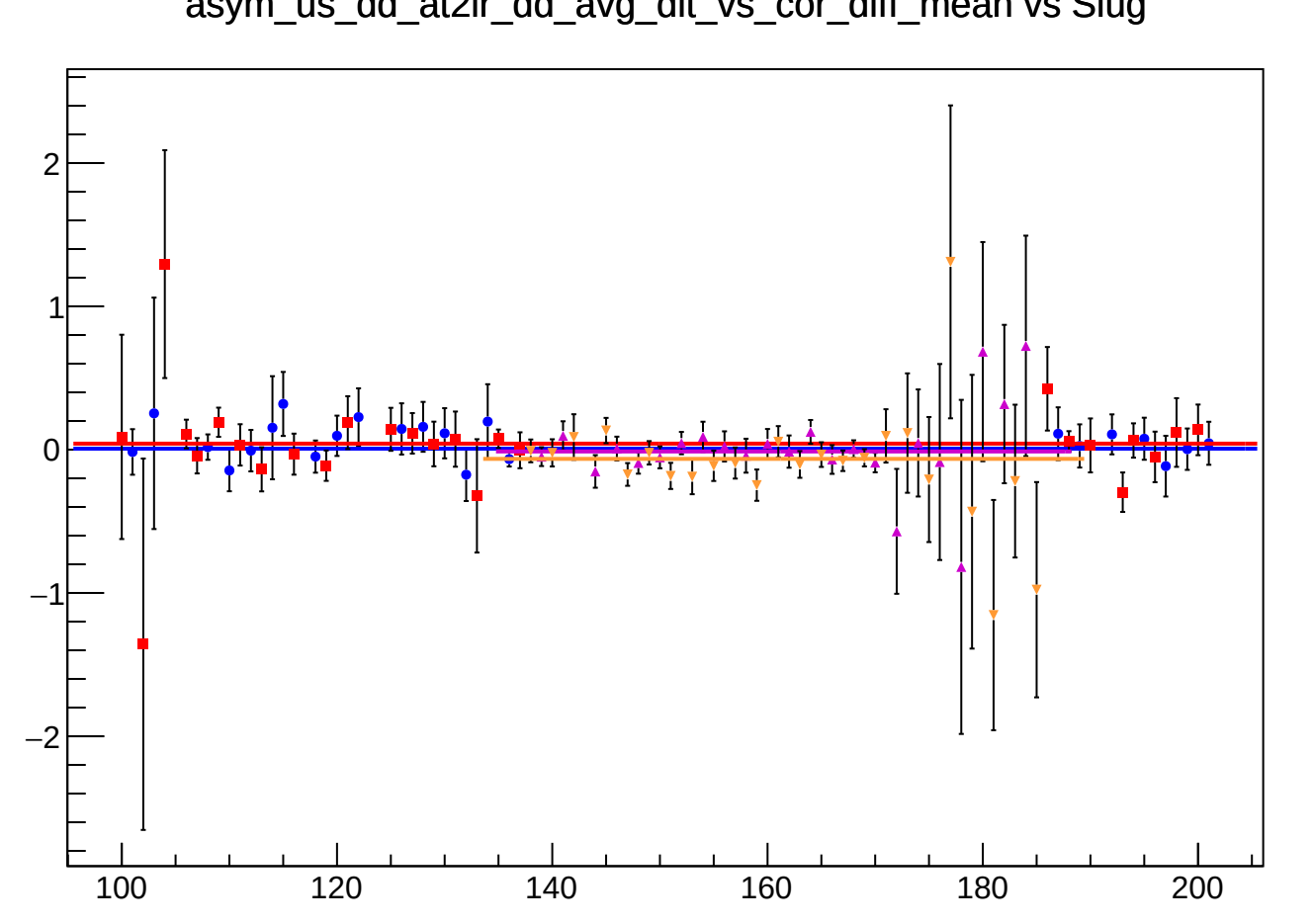
Right Out: 0.000+/-0.000 χ^2/NDF: 5434790.0/25

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: 17571830.5/95

- sign 0.000+/-0.000 χ^2/NDF: 10090219.1/48



Right In: 0.007+/-0.028 χ^2/NDF: 11.9/22

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

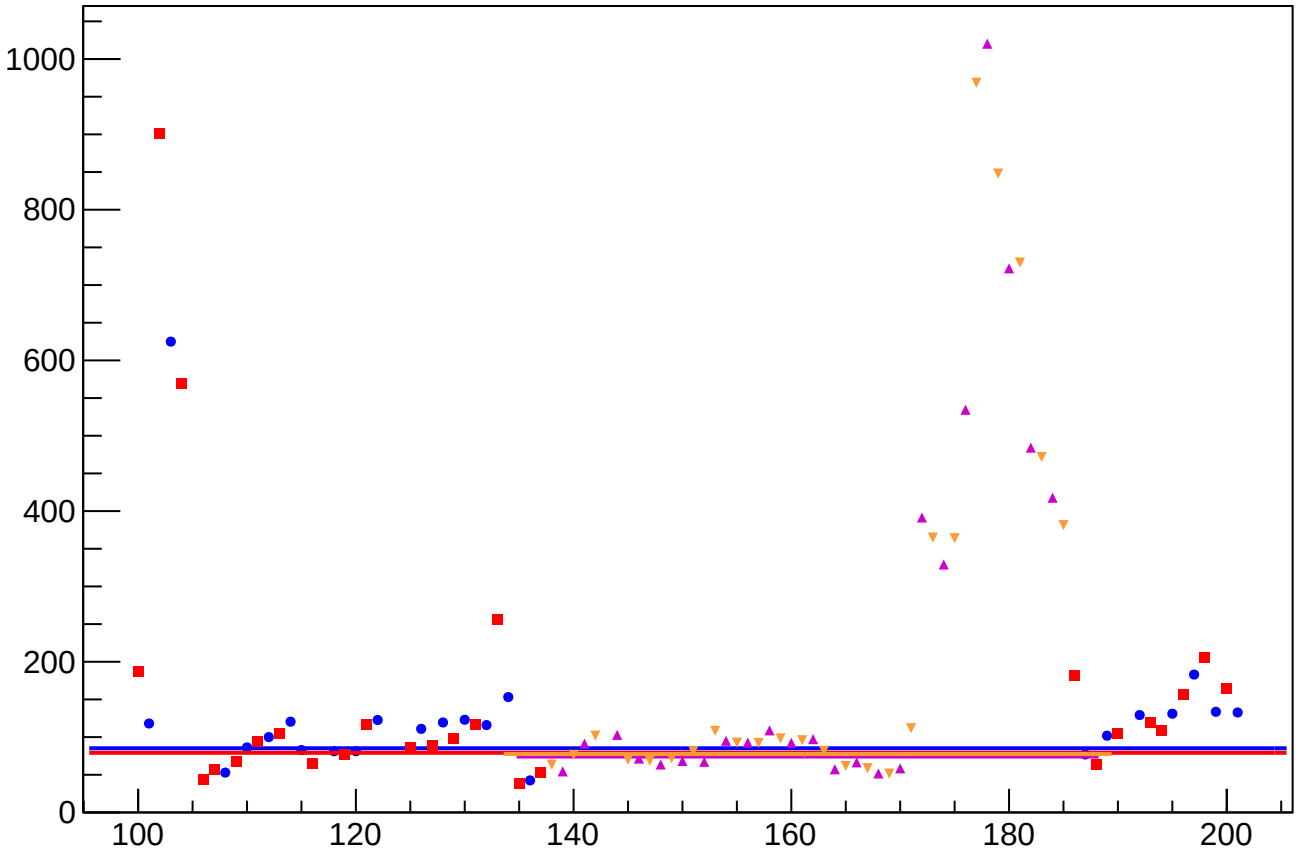
Right Out: 0.042+/-0.026 χ^2/NDF: 21.6/25

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.037+/-0.017 χ^2/NDF: 38.2/46

All: -0.013+/-0.012 χ^2/NDF: 81.1/95

- sign 0.009+/-0.016 χ^2/NDF: 39.3/48



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: 79.174+/-0.019 χ^2/NDF: 5624013.8/25

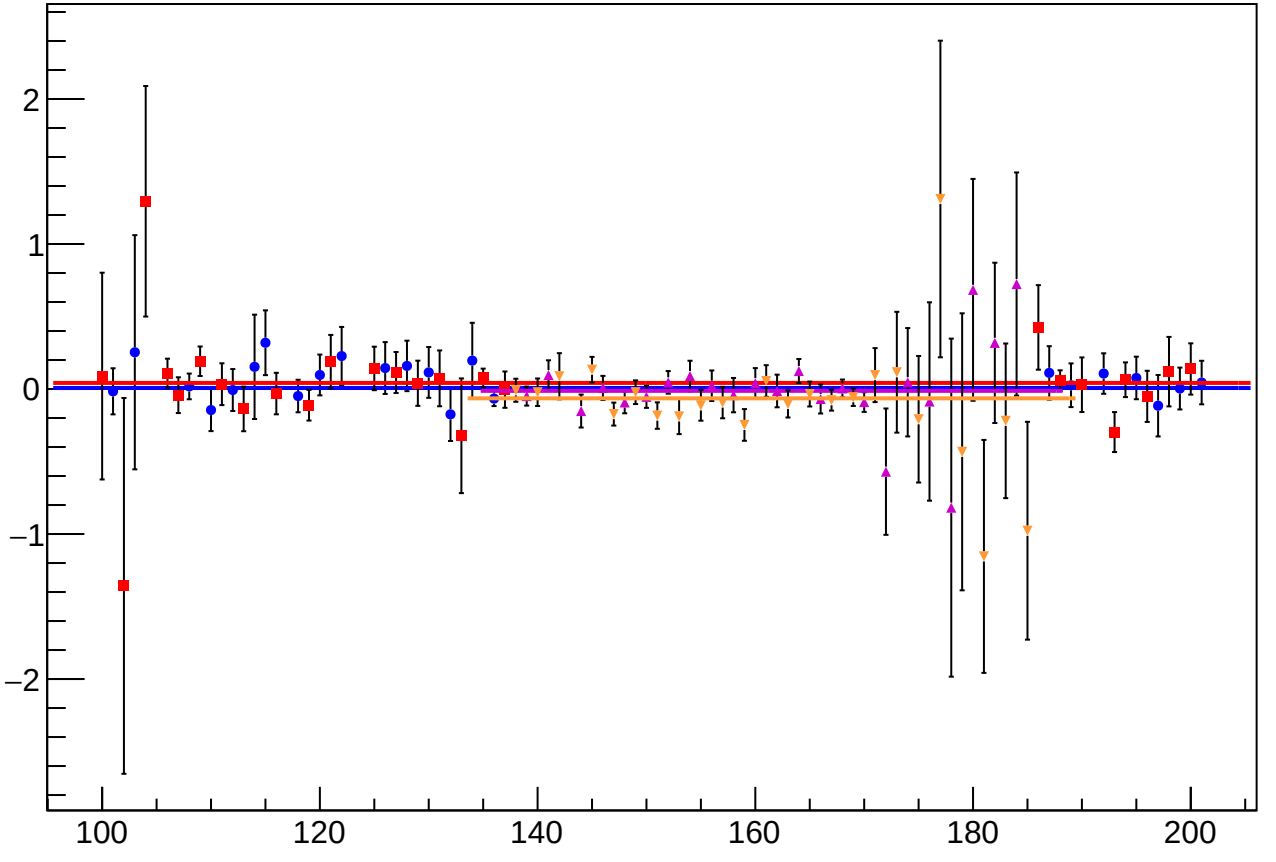
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 80.429+/-0.012 χ^2/NDF: 12826089.5/46

All: 78.174+/-0.008 χ^2/NDF: 27070774.3/95

- sign 76.155+/-0.012 χ^2/NDF: 14181165.5/48

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.028 χ^2/NDF: 11.9/22

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

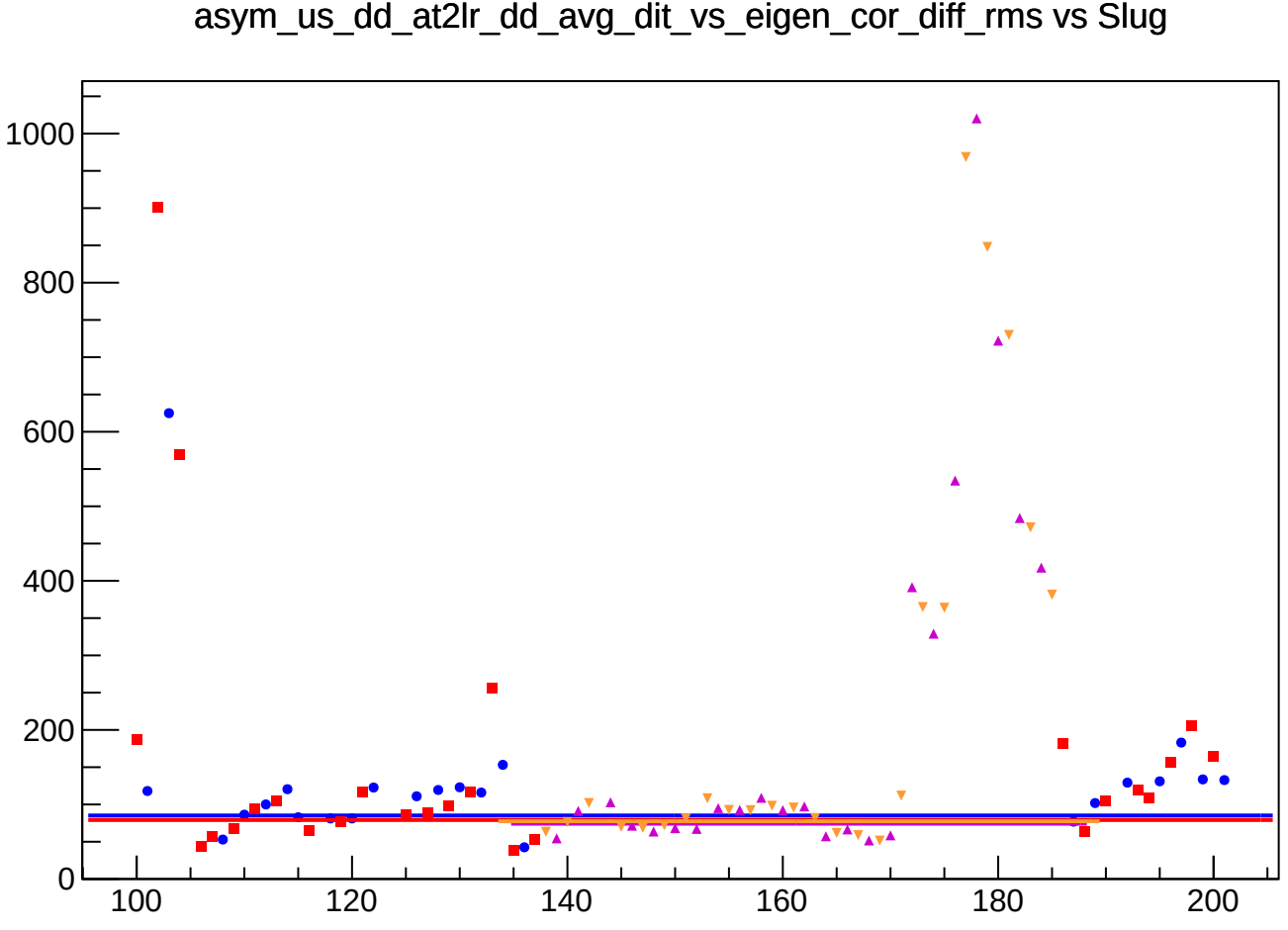
Right Out: 0.042+/-0.026 χ^2/NDF: 21.6/25

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.037+/-0.017 χ^2/NDF: 38.2/46

All: -0.013+/-0.012 χ^2/NDF: 81.1/95

- sign 0.009+/-0.016 χ^2/NDF: 39.3/48



Right In: 85.174+/-0.020 χ^2/NDF: 4404334.8/22

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

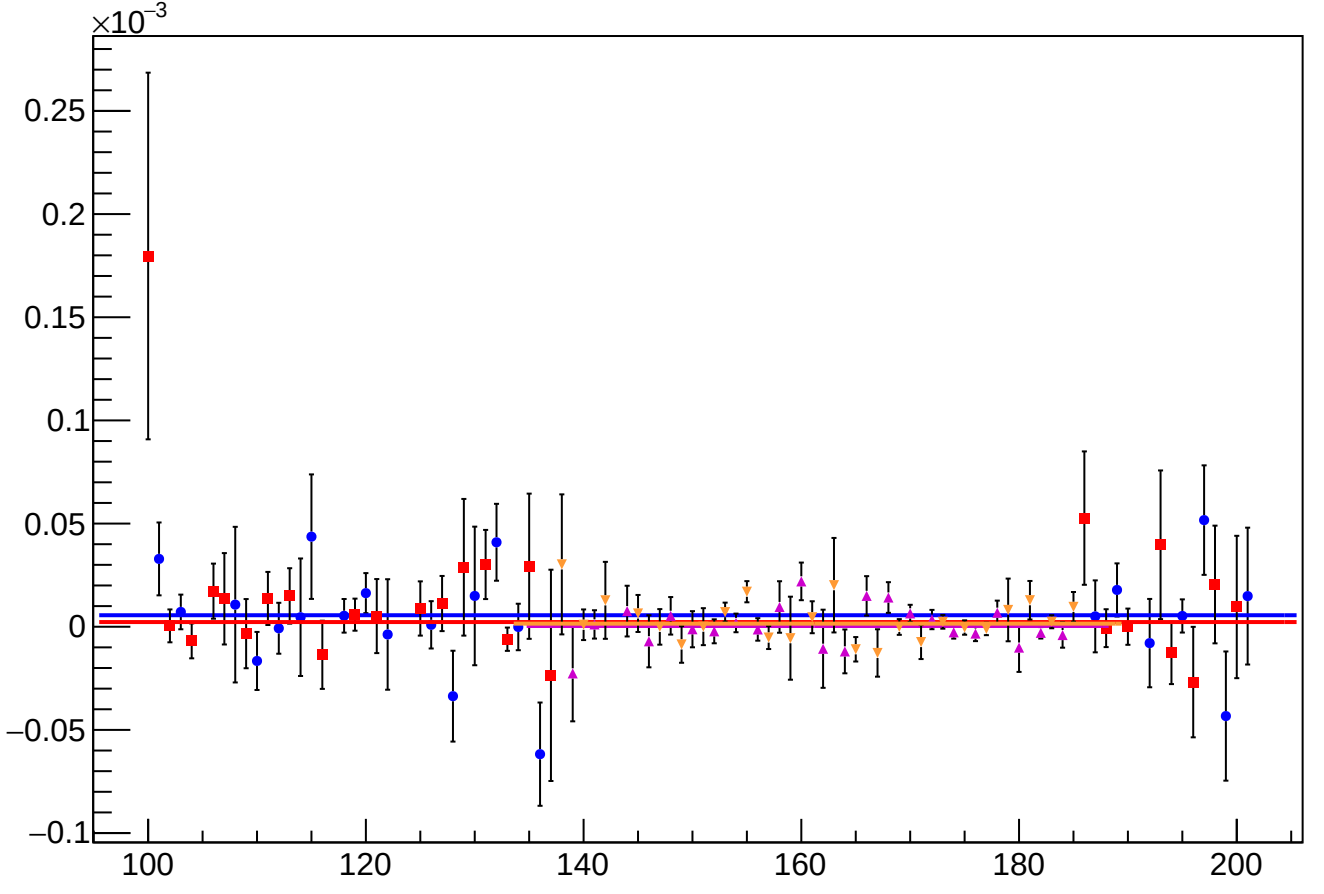
Right Out: 79.174+/-0.019 χ^2/NDF: 5624013.8/25

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 80.429+/-0.012 χ^2/NDF: 12826089.5/46

All: 78.174+/-0.008 χ^2/NDF: 27070774.3/95

\- sign 76.155+/-0.012 χ^2/NDF: 14181165.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

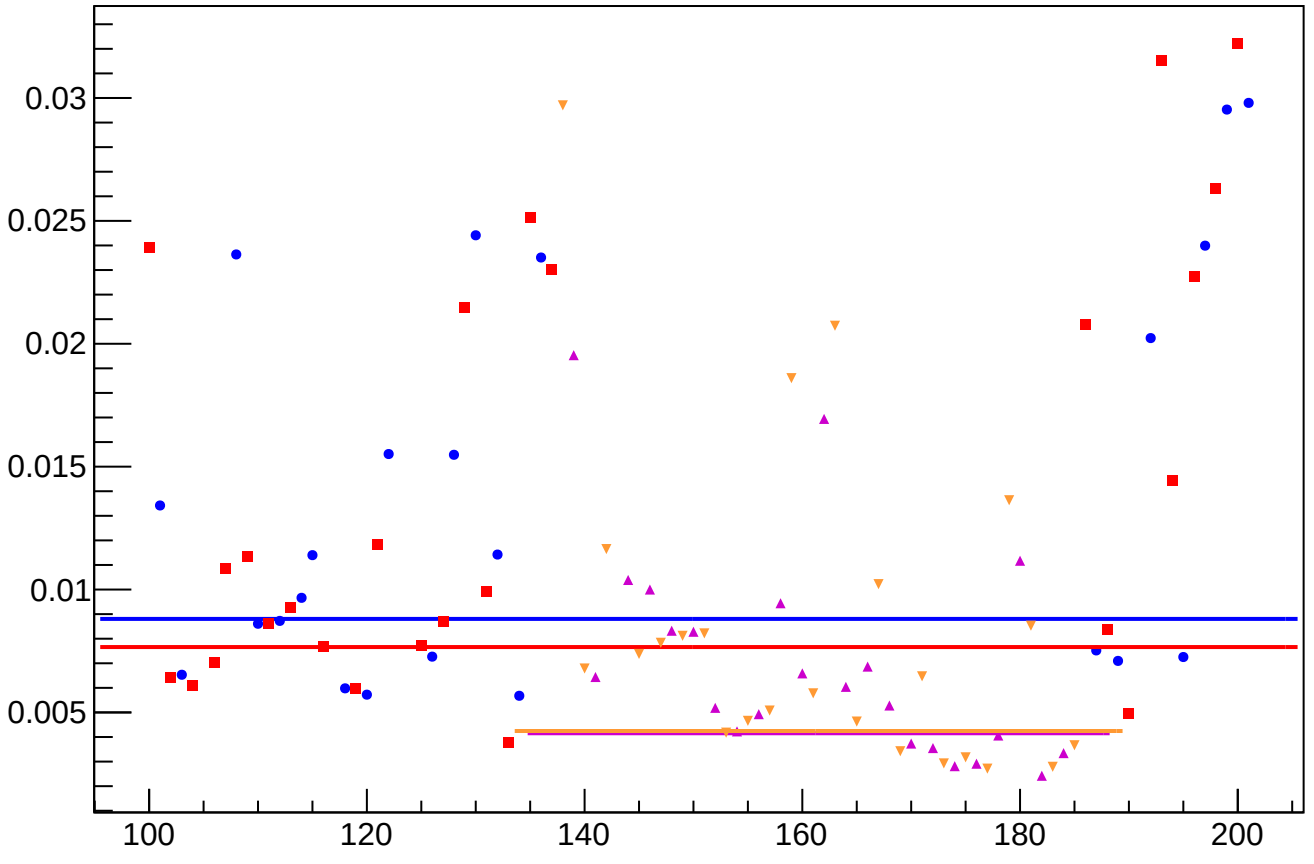
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/25

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: 107.1/95

- sign 0.000+/-0.000 χ^2/NDF: 48.2/48



Right In: 0.009+/-0.000 χ^2/NDF: 5735690.6/22

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

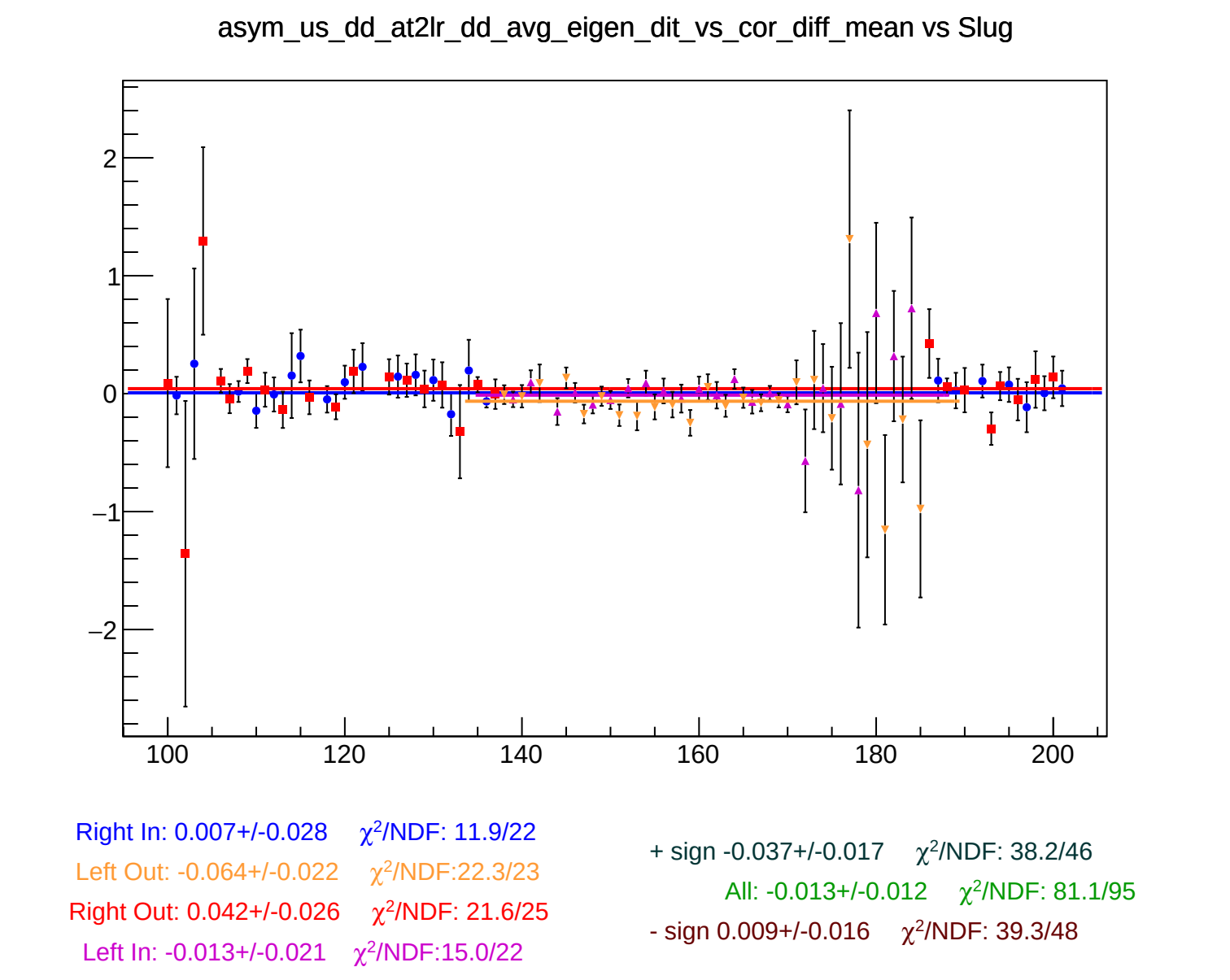
Right Out: 0.008+/-0.000 χ^2/NDF: 6898415.2/25

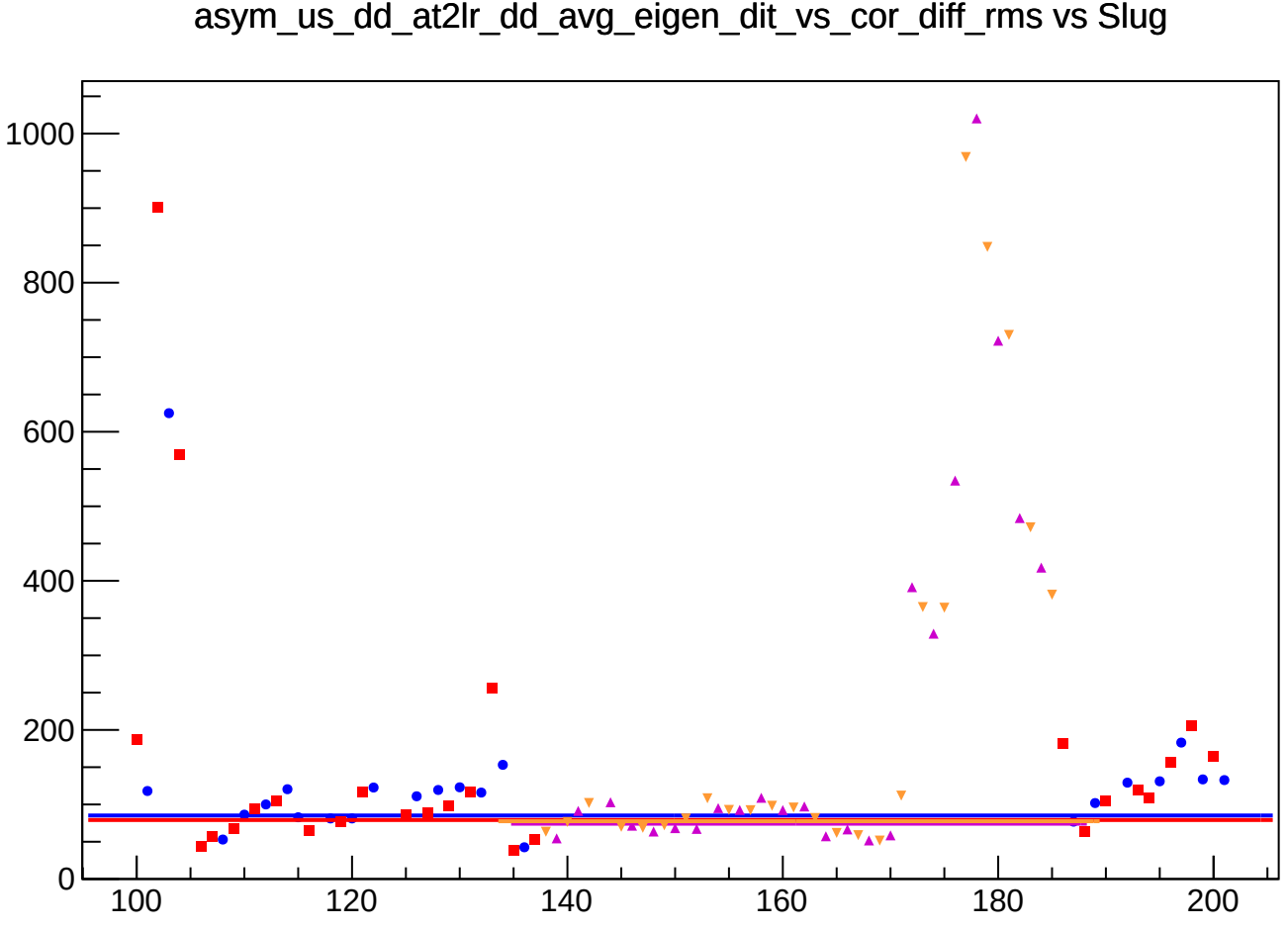
Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 18449087.4/46

All: 0.005+/-0.000 χ^2/NDF: 35430252.6/95

- sign 0.005+/-0.000 χ^2/NDF: 16979205.3/48


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
100
120
140
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: 0.042+/-0.026 χ²/NDF: 21.6/25
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.037+/-0.017 χ²/NDF: 38.2/46
All: -0.013+/-0.012 χ²/NDF: 81.1/95
- sign 0.009+/-0.016 χ²/NDF: 39.3/48



Right In: 85.197+/-0.020 χ^2/NDF: 4400797.9/22

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

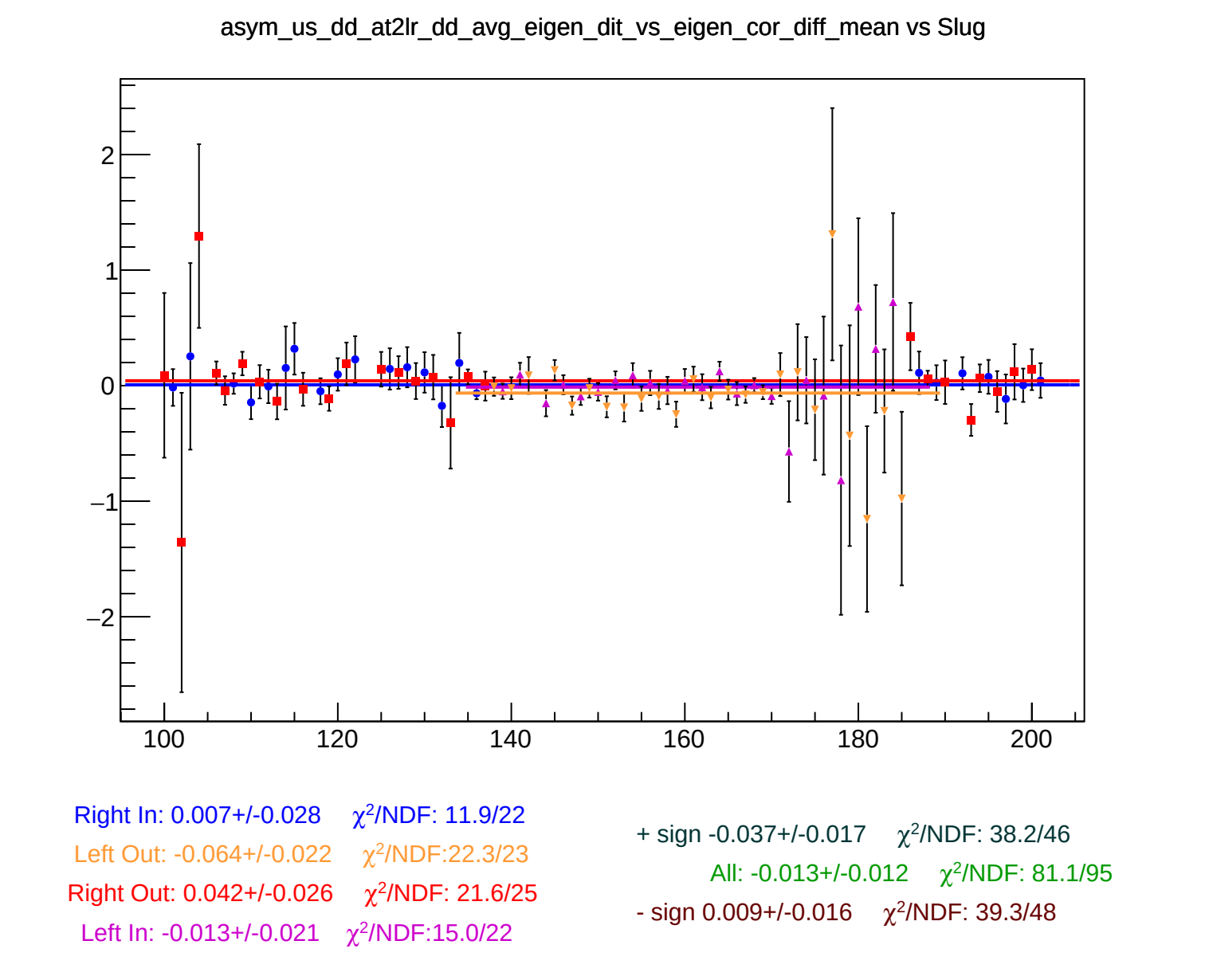
Right Out: 79.165+/-0.019 χ^2/NDF: 5625535.8/25

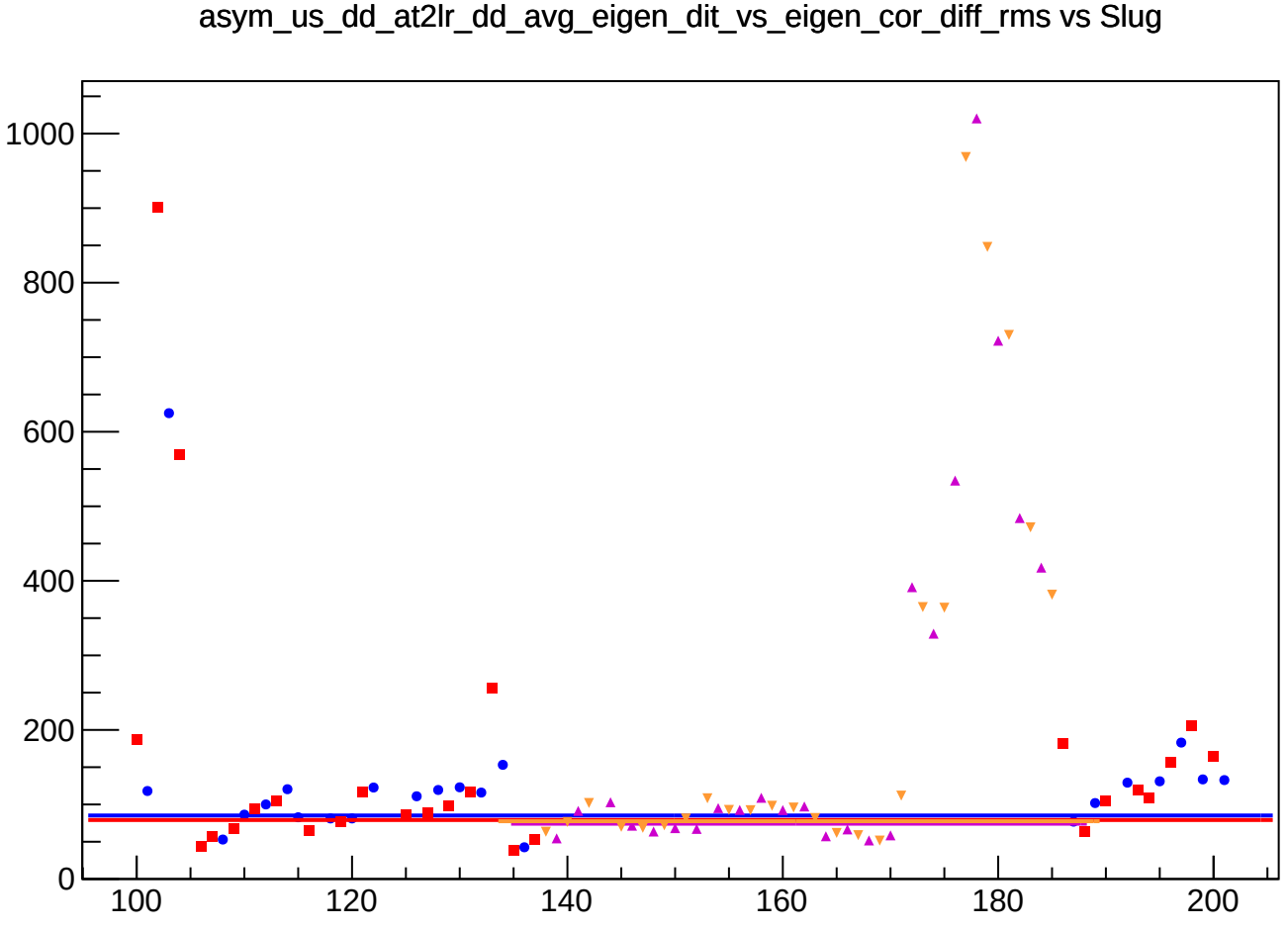
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 80.437+/-0.012 χ^2/NDF: 12823002.8/46

All: 78.176+/-0.008 χ^2/NDF: 27069059.1/95

- sign 76.152+/-0.012 χ^2/NDF: 14182229.8/48


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
120
140
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: 0.042+/-0.026 χ²/NDF: 21.6/25
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.037+/-0.017 χ²/NDF: 38.2/46
All: -0.013+/-0.012 χ²/NDF: 81.1/95
- sign 0.009+/-0.016 χ²/NDF: 39.3/48



Right In: 85.197+/-0.020 χ^2/NDF: 4400797.9/22

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

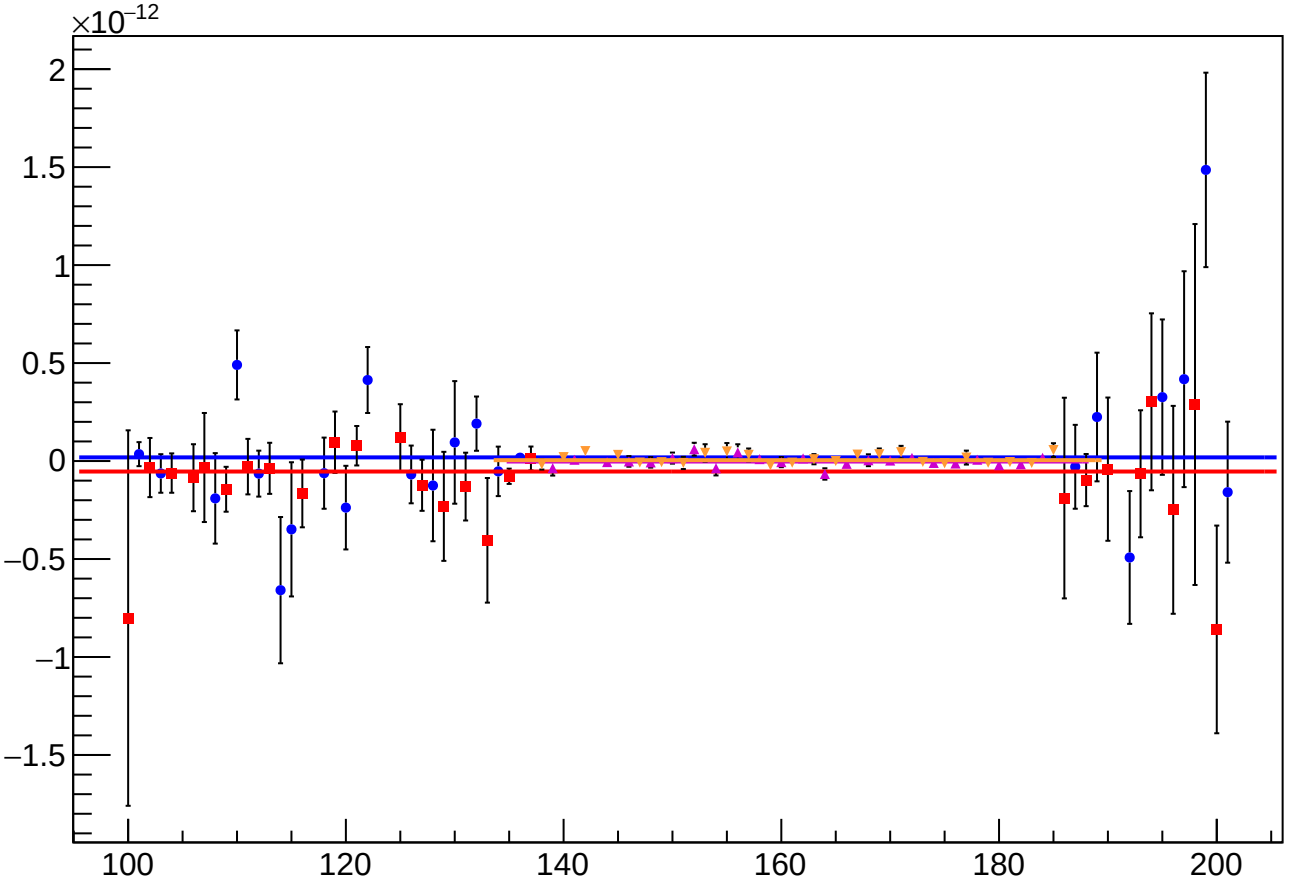
Right Out: 79.165+/-0.019 χ^2/NDF: 5625535.8/25

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 80.437+/-0.012 χ^2/NDF: 12823002.8/46

All: 78.176+/-0.008 χ^2/NDF: 27069059.1/95

\- sign 76.152+/-0.012 χ^2/NDF: 14182229.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

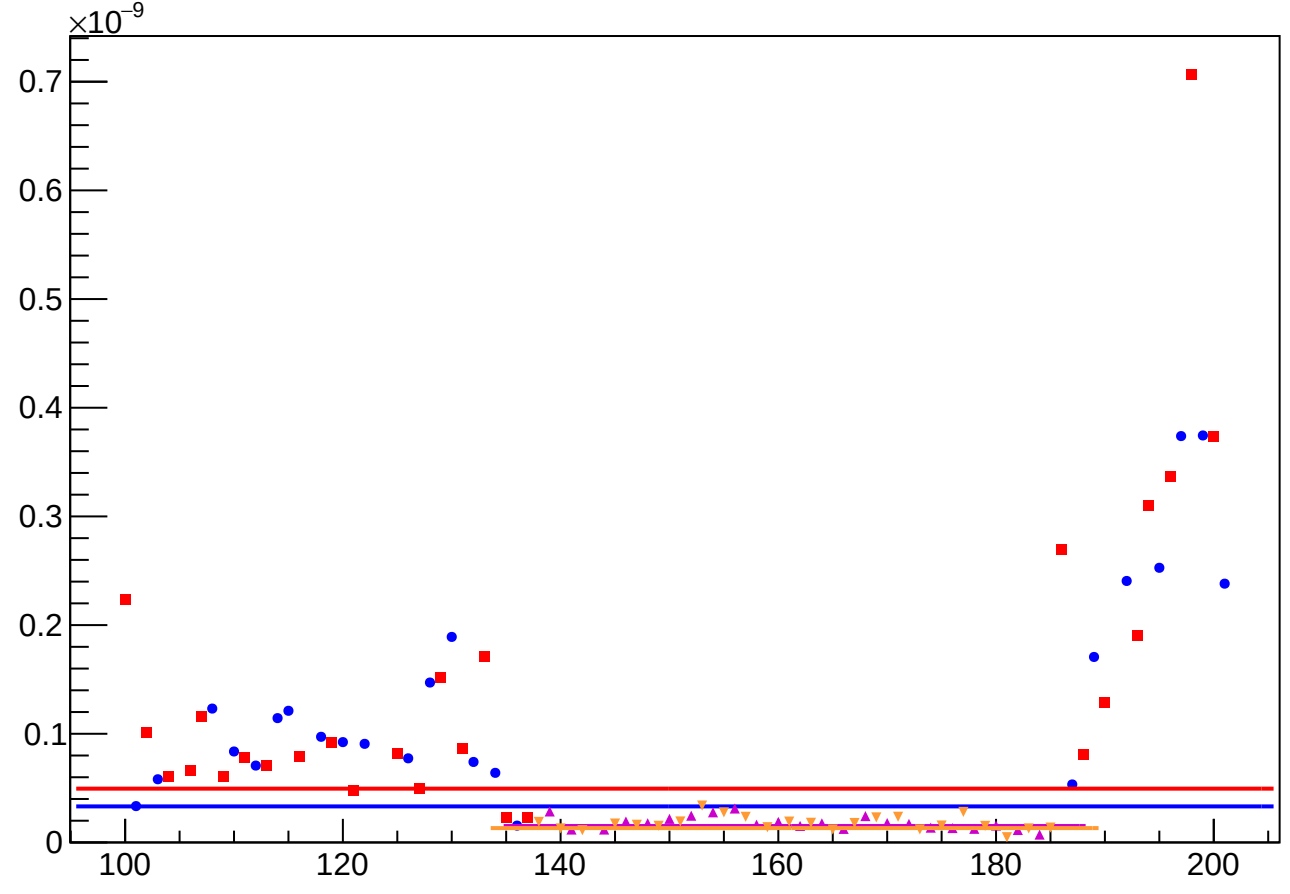
Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/25

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: 95.0/95

- sign -0.000+/-0.000 χ^2/NDF: 34.3/48



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: 6840496.0/25

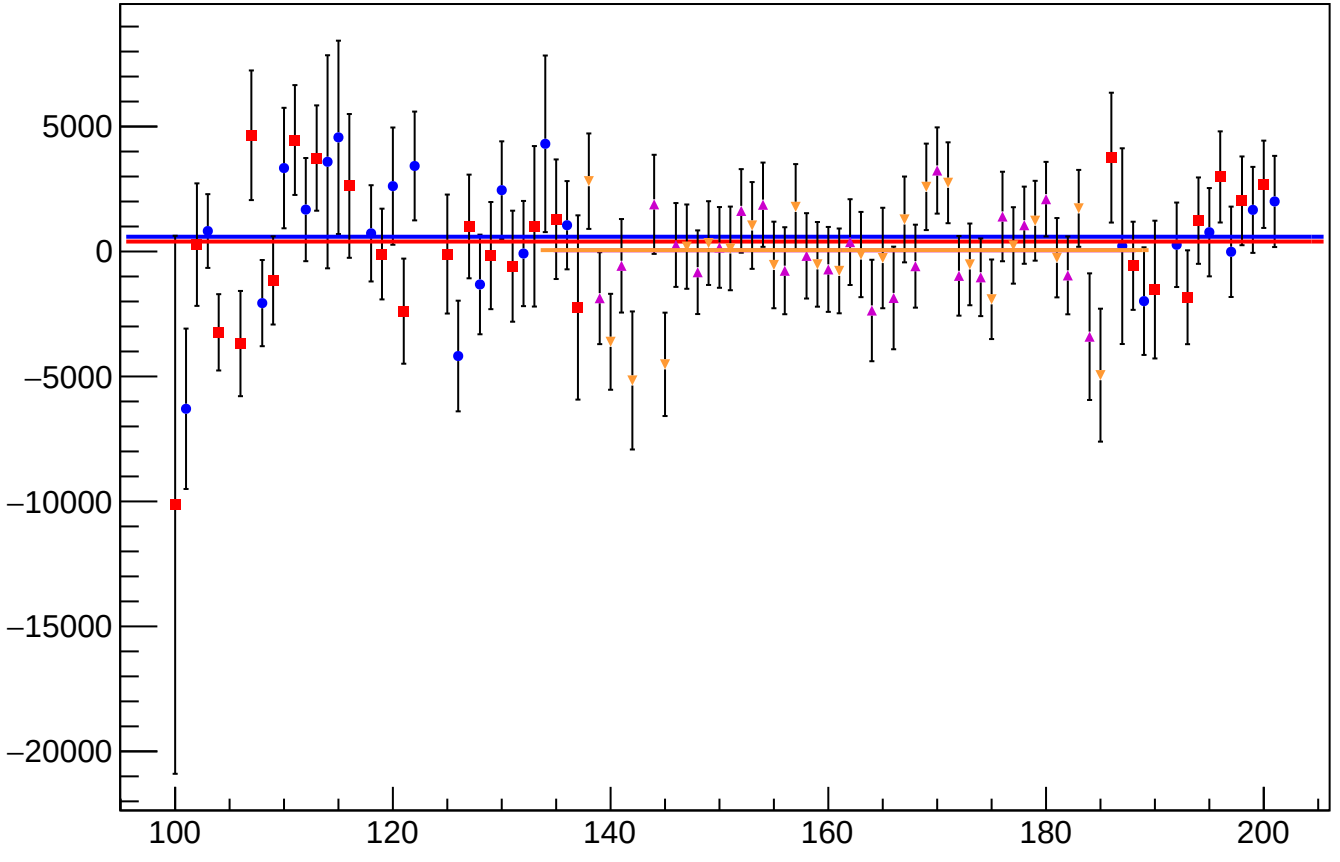
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14543262.9/46

All: 0.000+/-0.000 χ^2/NDF: 27691653.9/95

- sign 0.000+/-0.000 χ^2/NDF: 12903919.5/48

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: 398.046+/-418.017 χ^2/NDF: 32.0/25

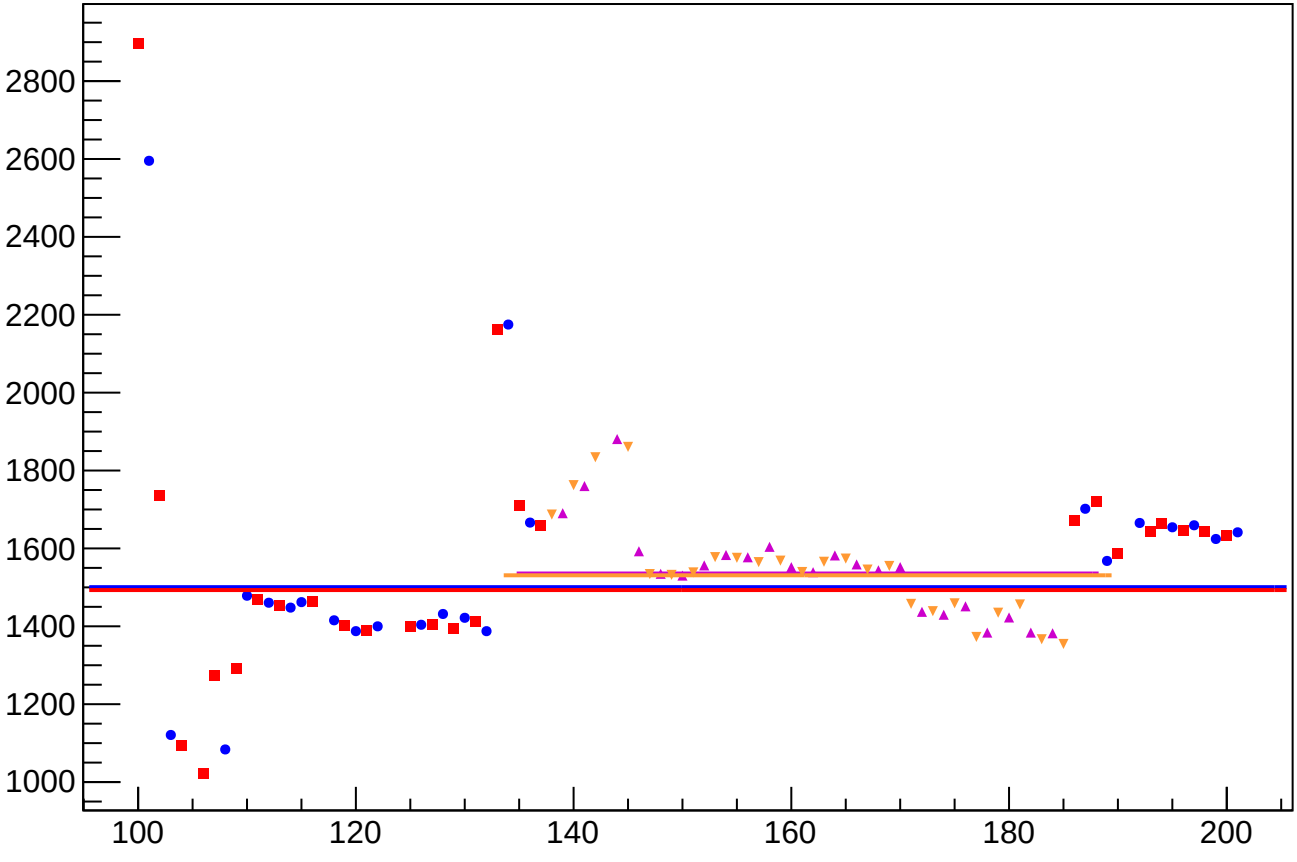
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 271.007+/-275.258 χ^2/NDF: 52.3/46

All: 233.612+/-193.683 χ^2/NDF: 101.5/95

- sign 196.942+/-272.579 χ^2/NDF: 49.1/48

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

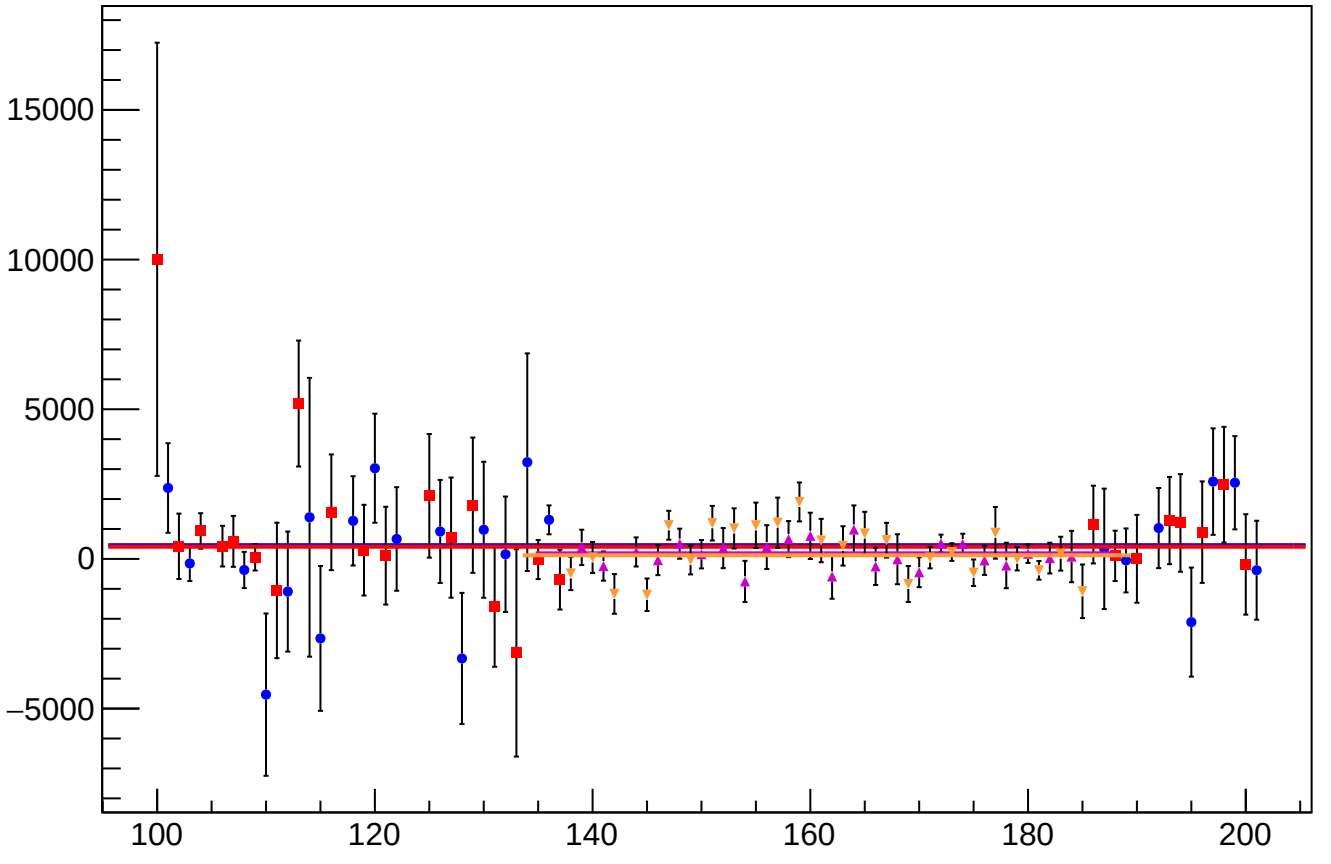
Right Out: 1493.074+/-0.296 χ^2/NDF: 582259.7/25

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1518.685+/-0.195 χ^2/NDF: 890563.0/46

All: 1518.081+/-0.137 χ^2/NDF: 1677144.5/95

- sign 1517.490+/-0.193 χ^2/NDF: 786562.5/48



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: 405.912+/-210.383 χ^2/NDF: 16.5/25

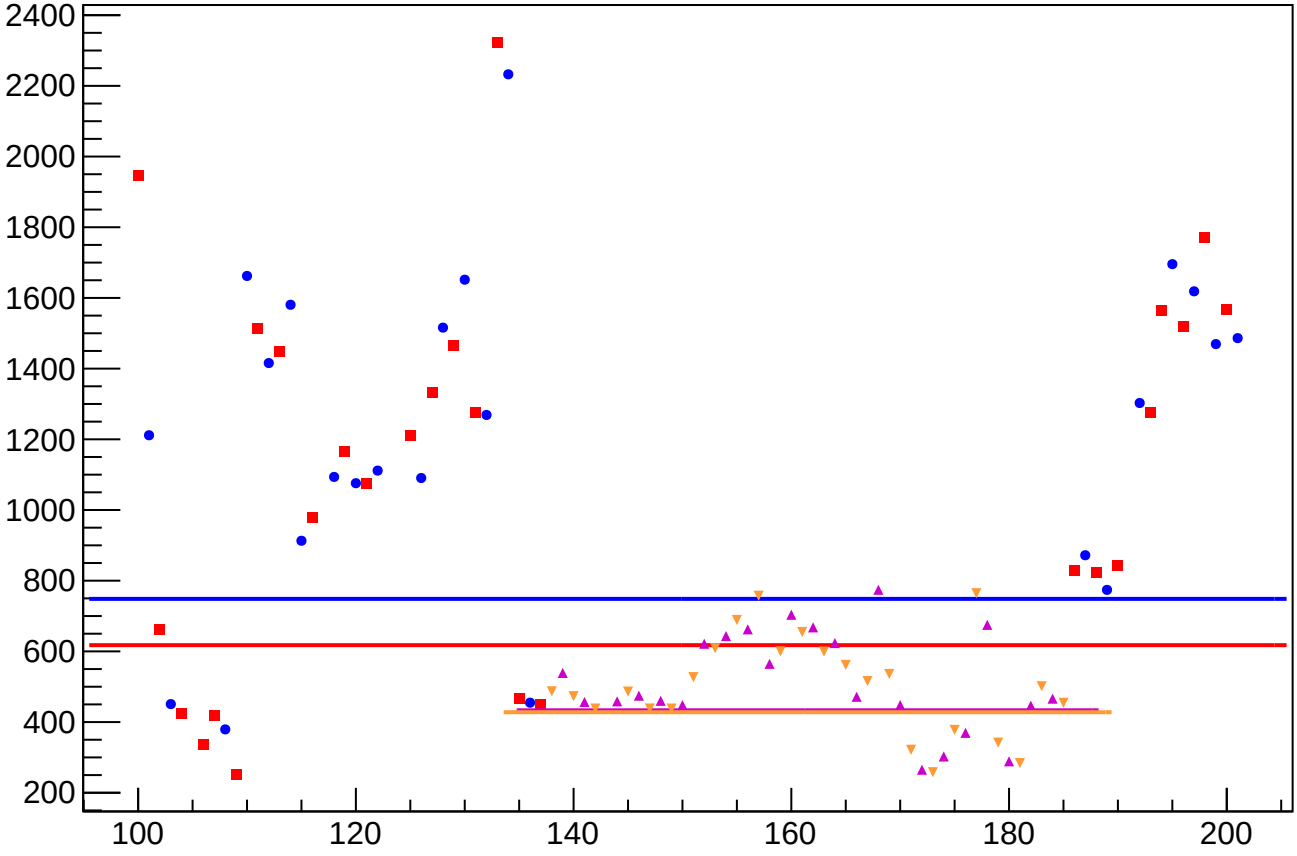
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 172.556+/-96.758 χ^2/NDF: 70.4/46

All: 202.628+/-67.917 χ^2/NDF: 99.6/95

- sign 231.835+/-95.356 χ^2/NDF: 28.9/48

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: 617.598+/-0.149 χ^2/NDF: 8034248.9/25

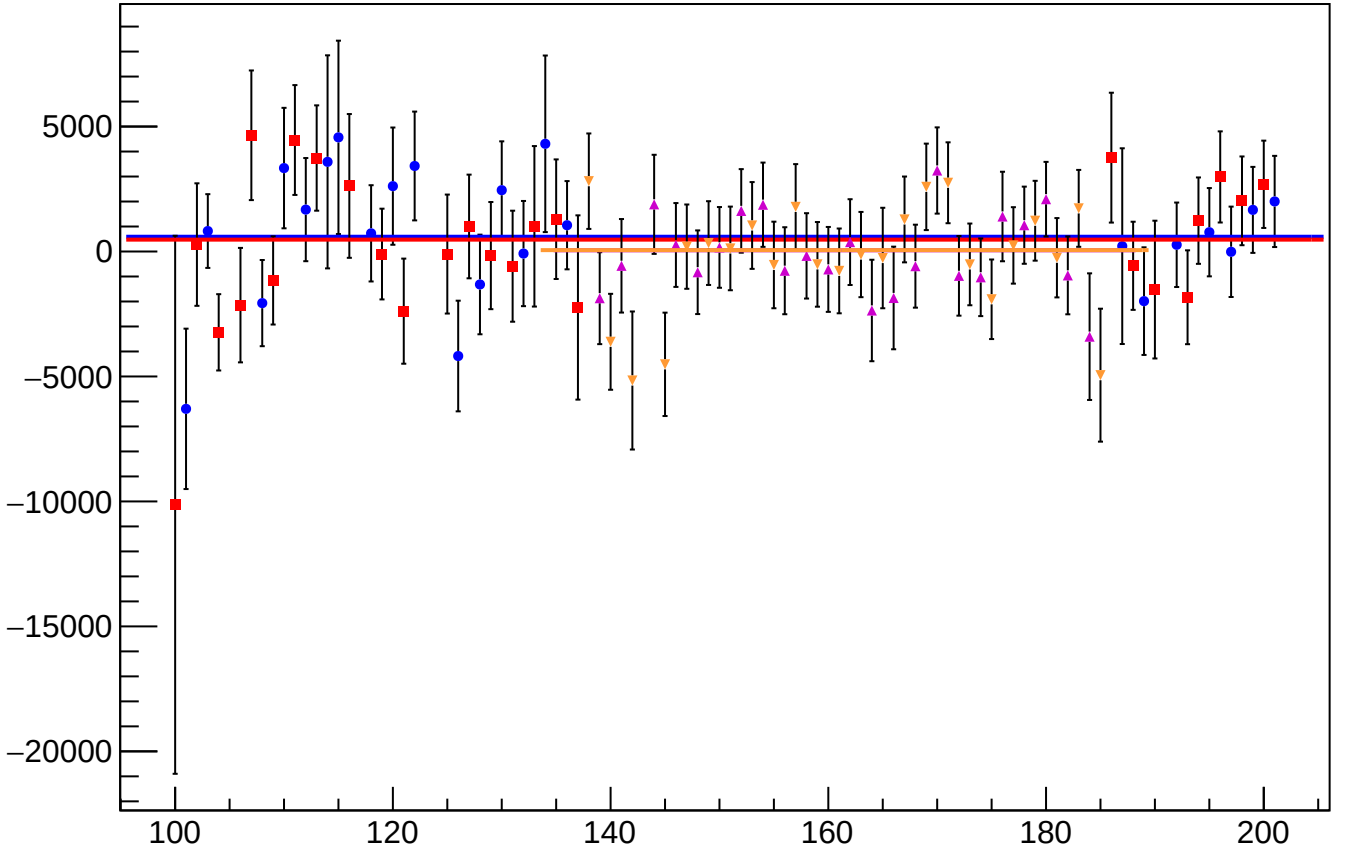
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 476.501+/-0.068 χ^2/NDF: 12305953.6/46

All: 473.786+/-0.048 χ^2/NDF: 24811023.1/95

- sign 471.148+/-0.067 χ^2/NDF: 12501963.8/48

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 590.785+/-433.370 χ^2/NDF: 22.9/22

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 474.809+/-419.298 χ^2/NDF: 29.4/25

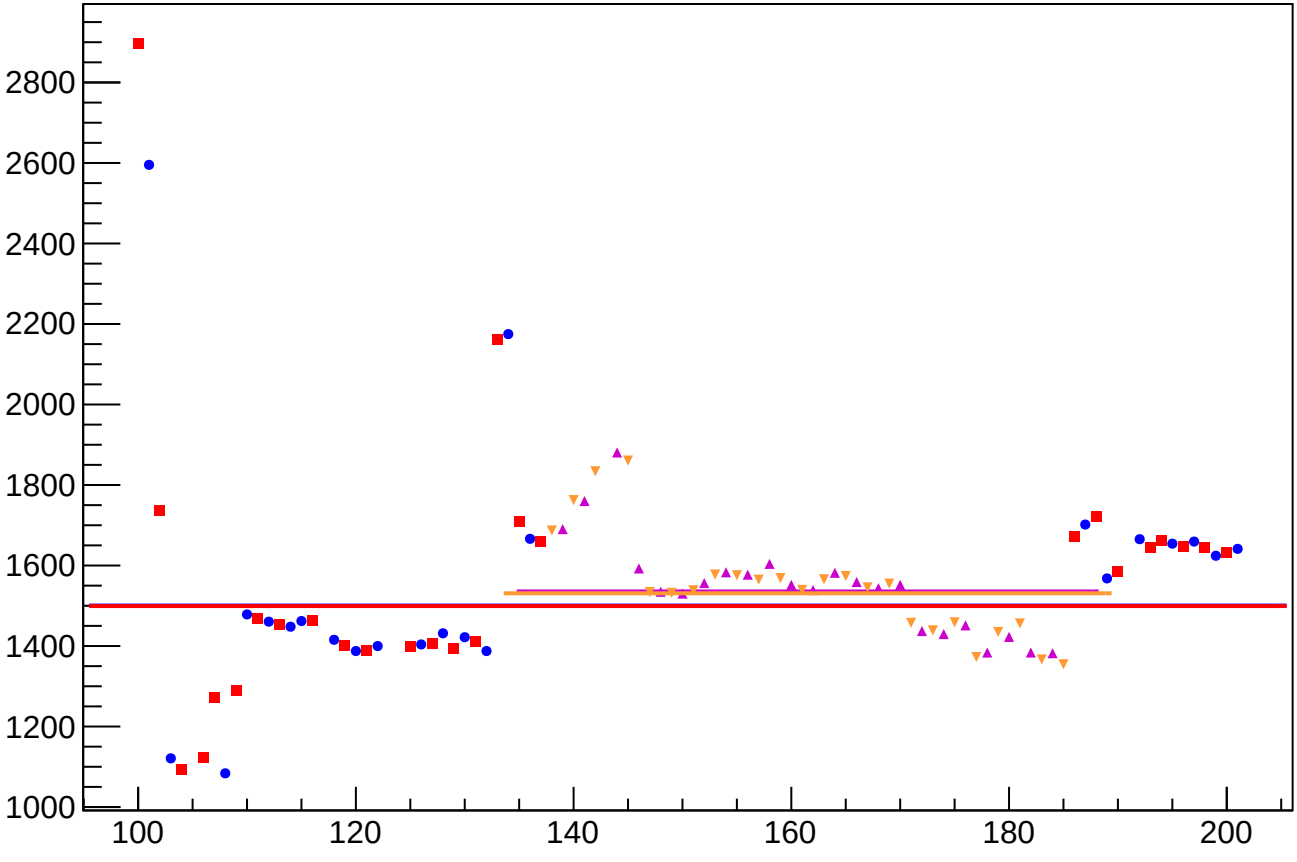
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 270.990+/-275.258 χ^2/NDF: 52.3/46

All: 249.812+/-193.810 χ^2/NDF: 99.1/95

- sign 228.991+/-272.933 χ^2/NDF: 46.8/48

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

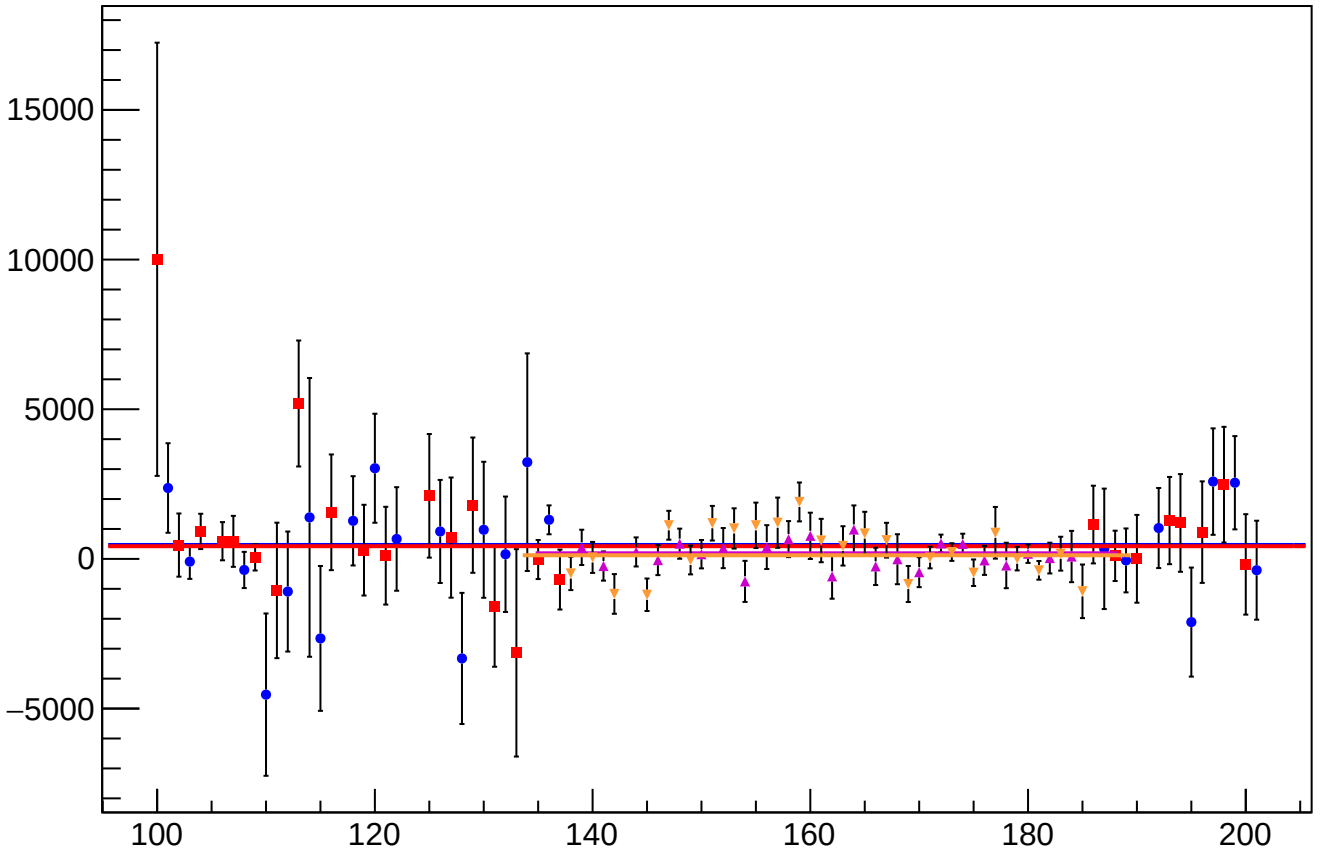
Right Out: 1499.285+/-0.296 χ^2/NDF: 534552.8/25

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1518.685+/-0.195 χ^2/NDF: 890563.3/46

All: 1519.441+/-0.137 χ^2/NDF: 1626201.1/95

- sign 1520.185+/-0.193 χ^2/NDF: 735607.8/48



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: 424.450+/-208.634 χ^2/NDF: 16.5/25

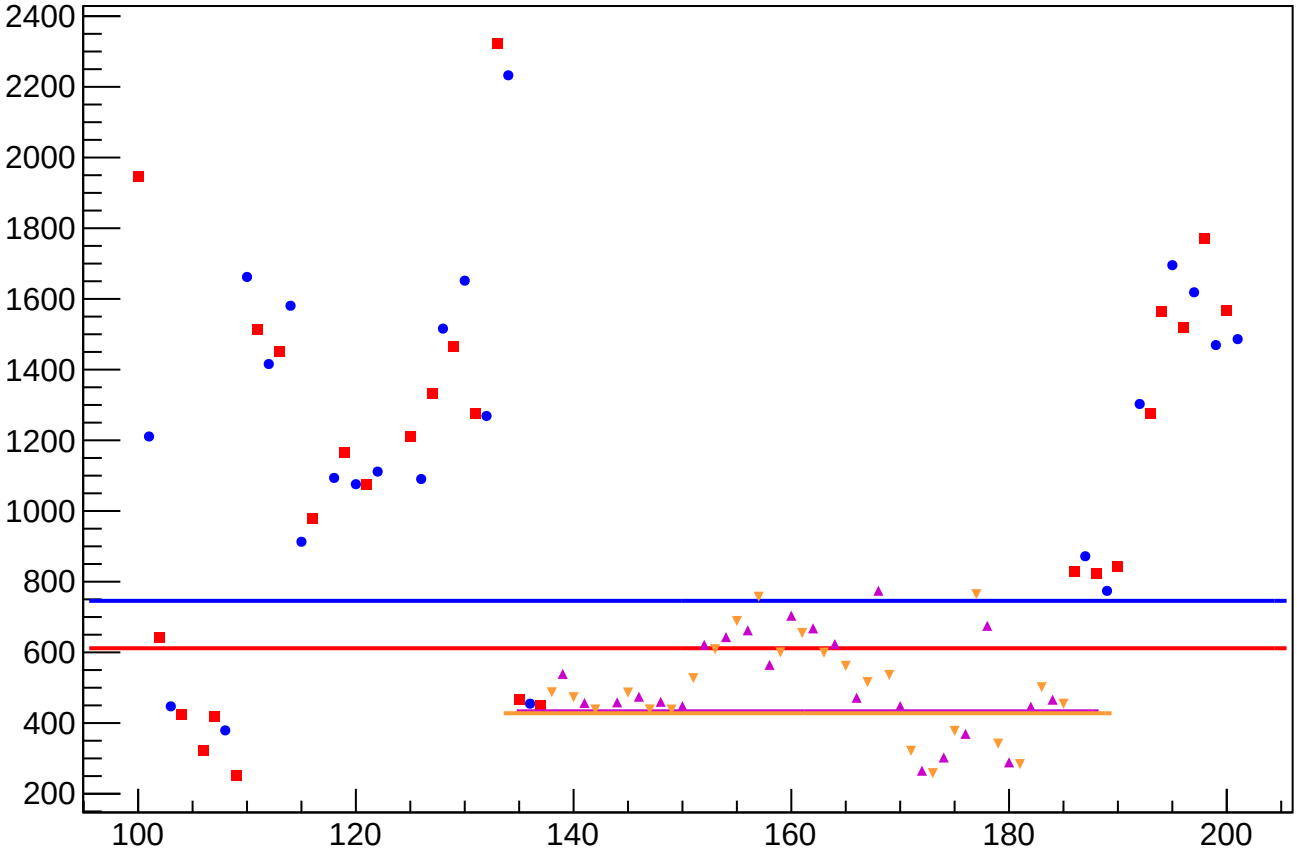
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 173.904+/-96.707 χ^2/NDF: 70.4/46

All: 205.676+/-67.840 χ^2/NDF: 99.7/95

- sign 236.460+/-95.192 χ^2/NDF: 29.1/48

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

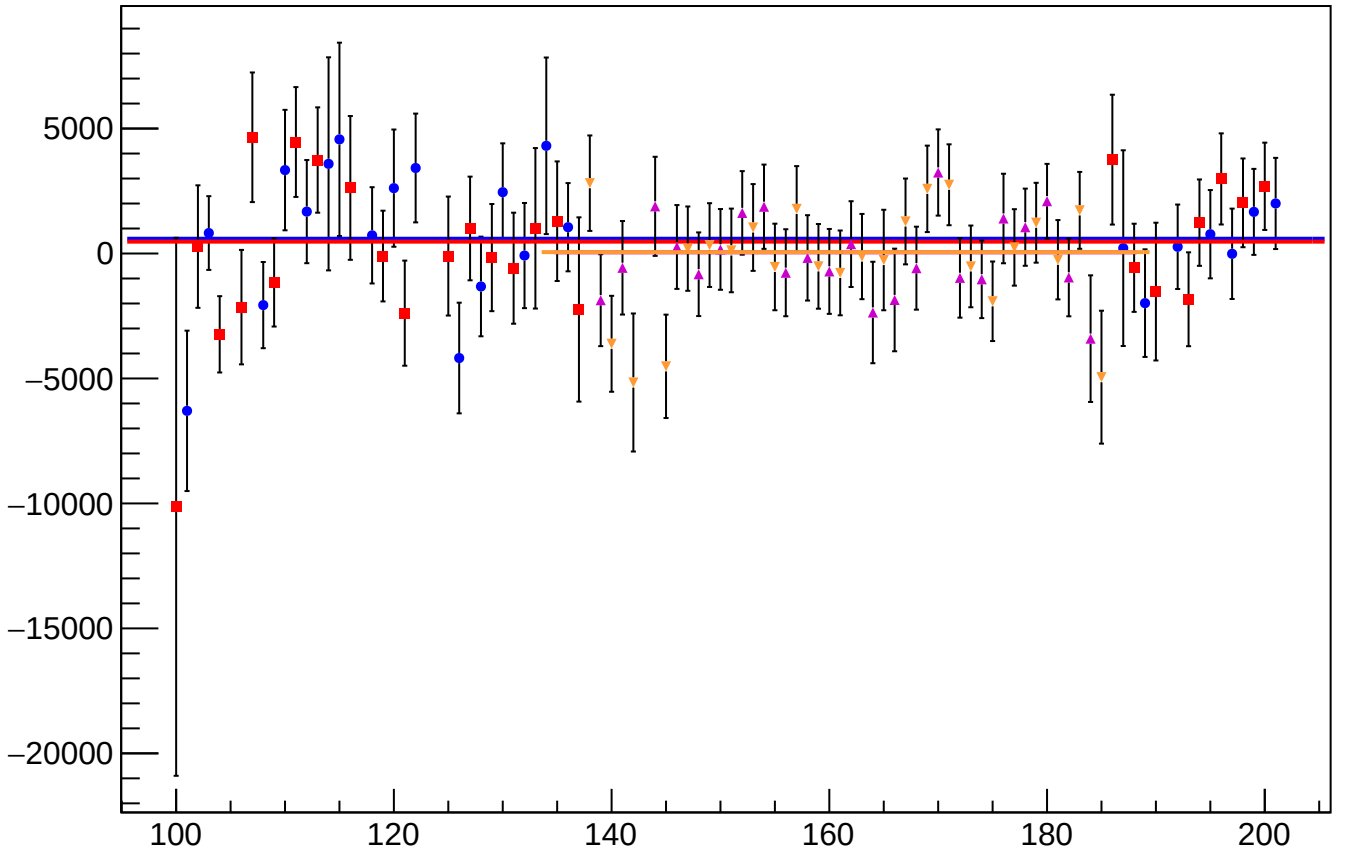
Right Out: 611.710+/-0.148 χ^2/NDF: 8114946.4/25

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 476.374+/-0.068 χ^2/NDF: 12307156.9/46

All: 473.354+/-0.048 χ^2/NDF: 24832060.1/95

- sign 470.428+/-0.067 χ^2/NDF: 12521063.5/48



Right In: 590.785+/-433.370 χ^2/NDF: 22.9/22

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 474.809+/-419.298 χ^2/NDF: 29.4/25

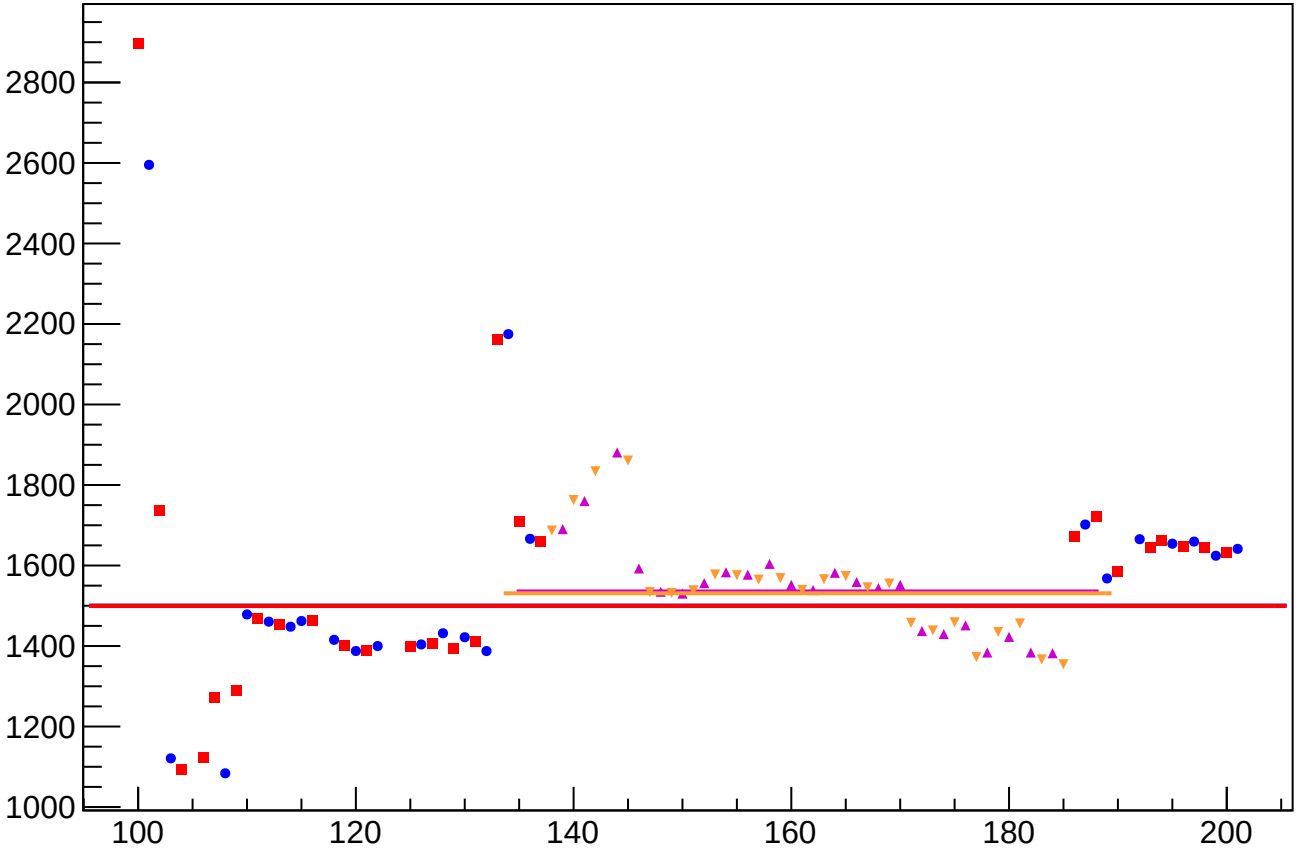
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

\+ sign 270.990+/-275.258 χ^2/NDF: 52.3/46

All: 249.812+/-193.810 χ^2/NDF: 99.1/95

\- sign 228.991+/-272.933 χ^2/NDF: 46.8/48

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

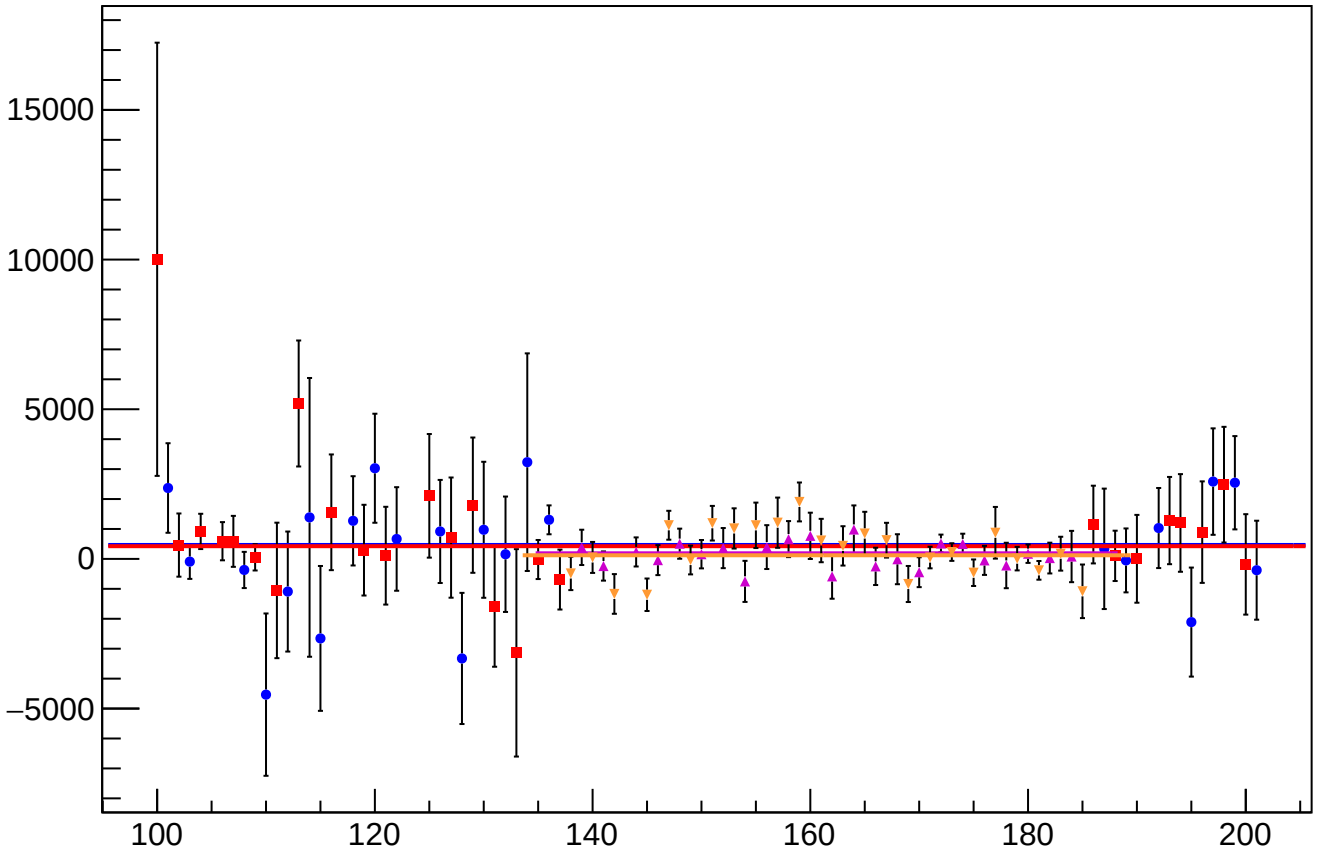
Right Out: 1499.285+/-0.296 χ^2/NDF: 534552.8/25

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

\+ sign 1518.685+/-0.195 χ^2/NDF: 890563.3/46

All: 1519.441+/-0.137 χ^2/NDF: 1626201.1/95

\- sign 1520.185+/-0.193 χ^2/NDF: 735607.8/48



Right In: 465.670+/-247.486 χ^2/NDF: 25.1/22

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

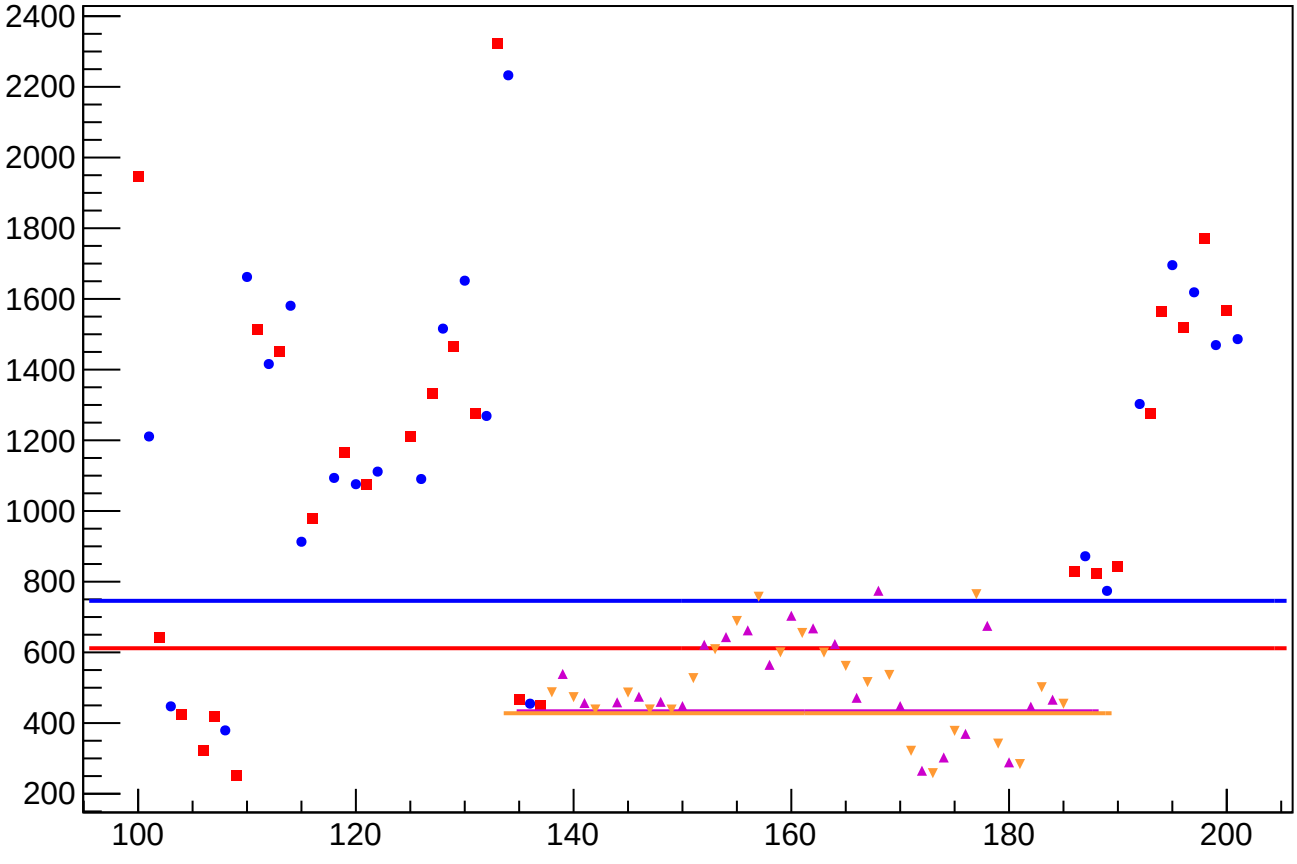
Right Out: 424.450+/-208.634 χ^2/NDF: 16.5/25

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 173.904+/-96.707 χ^2/NDF: 70.4/46

All: 205.676+/-67.840 χ^2/NDF: 99.7/95

- sign 236.460+/-95.192 χ^2/NDF: 29.1/48



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: 611.710+/-0.148 χ^2/NDF: 8114946.4/25

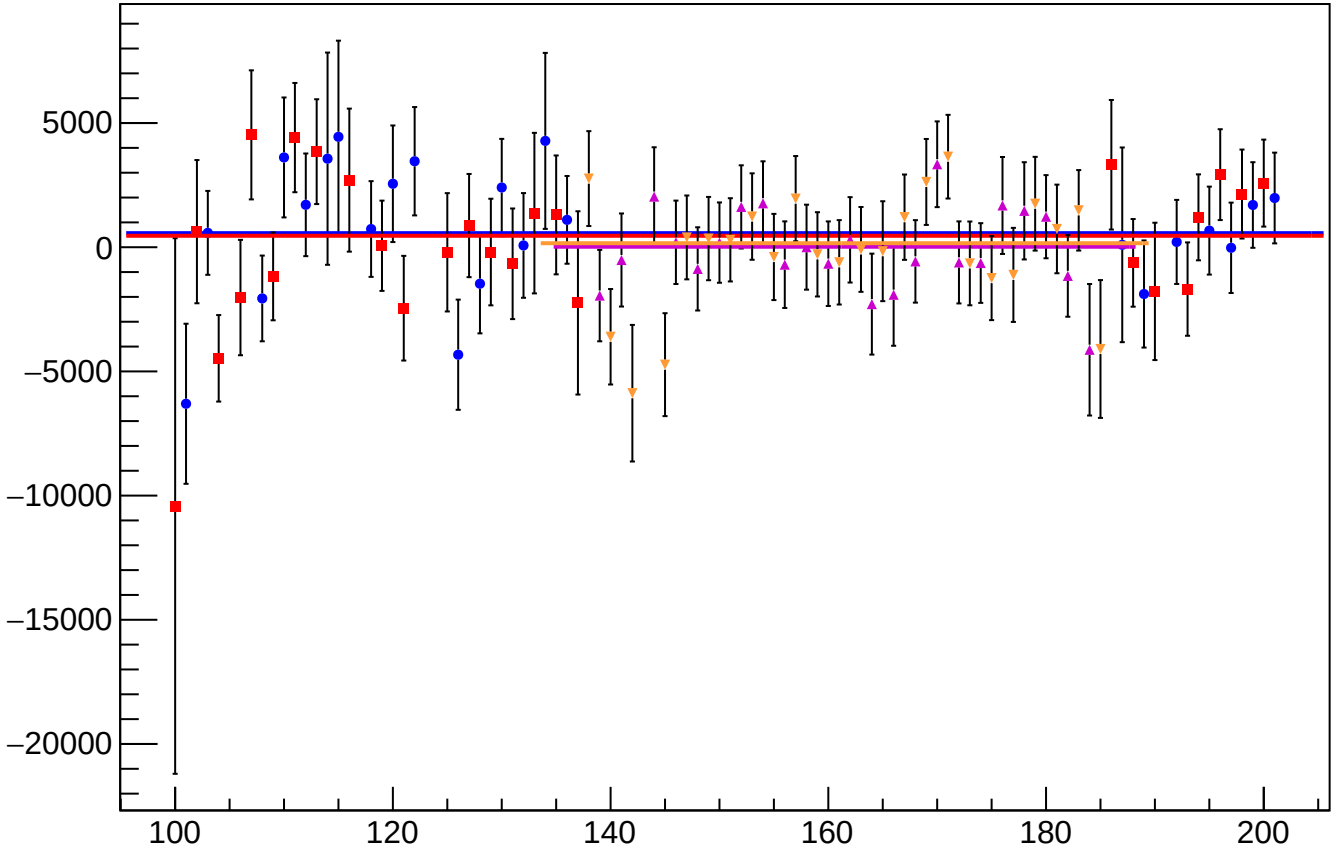
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 476.374+/-0.068 χ^2/NDF: 12307156.9/46

All: 473.354+/-0.048 χ^2/NDF: 24832060.1/95

- sign 470.428+/-0.067 χ^2/NDF: 12521063.5/48

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



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: 460.961+/-425.809 χ^2/NDF: 31.0/25

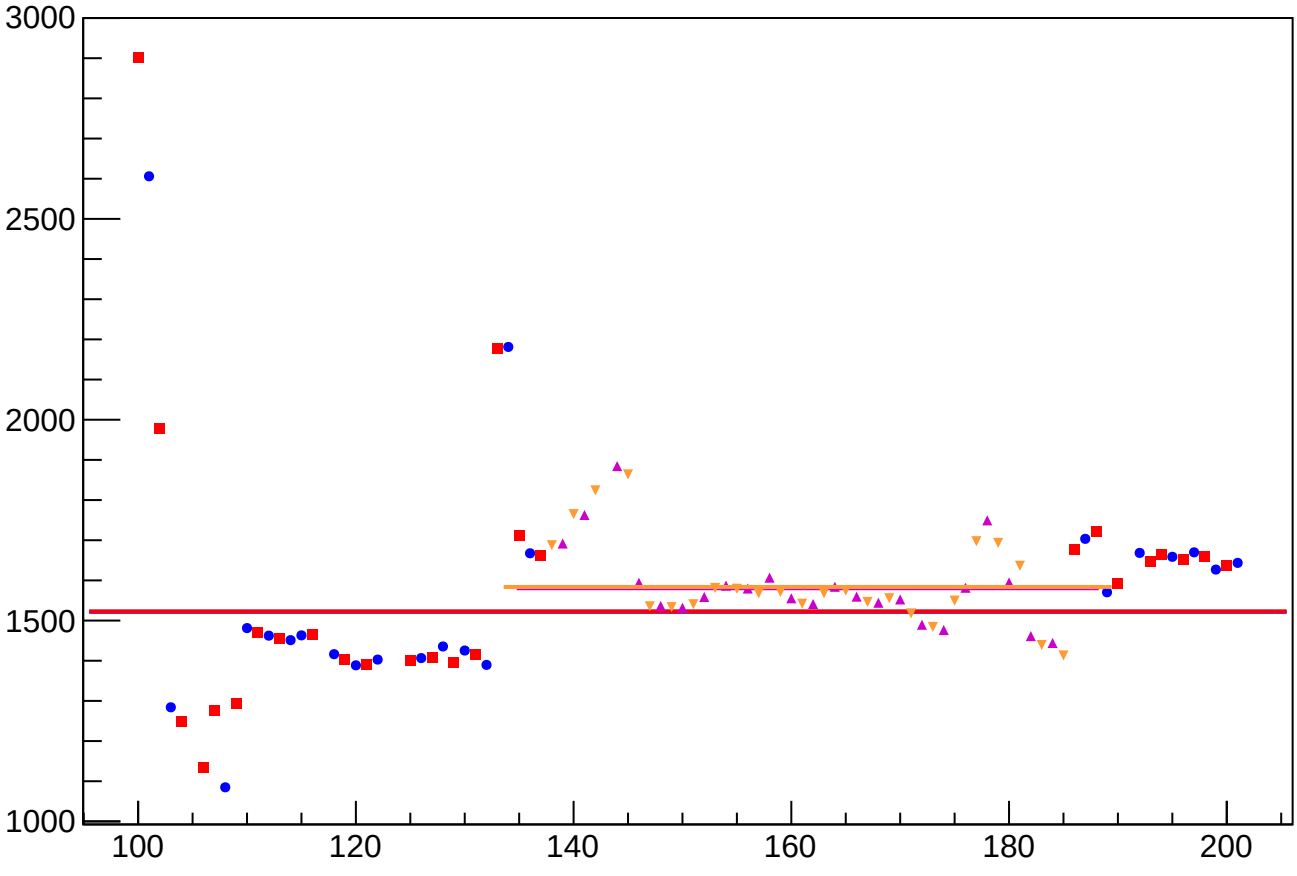
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 328.949+/-282.098 χ^2/NDF: 53.7/46

All: 268.720+/-198.440 χ^2/NDF: 101.3/95

- sign 209.723+/-279.197 χ^2/NDF: 47.6/48

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

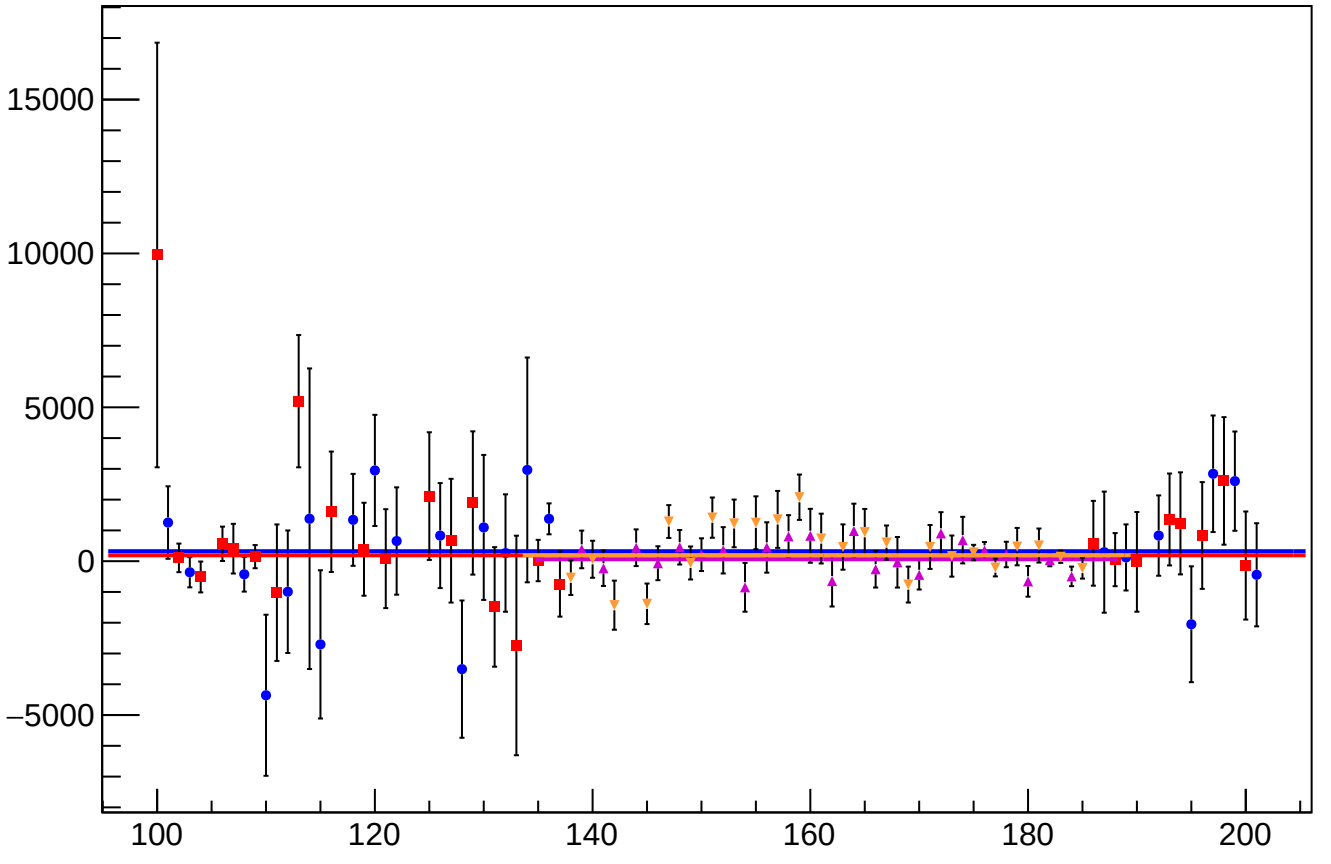
Right Out: 1522.584+/-0.301 χ^2/NDF: 467166.5/25

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1558.189+/-0.199 χ^2/NDF: 739061.7/46

All: 1556.871+/-0.140 χ^2/NDF: 1353127.0/95

- sign 1555.580+/-0.197 χ^2/NDF: 613978.9/48



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: 190.388+/-182.569 χ^2/NDF: 17.2/25

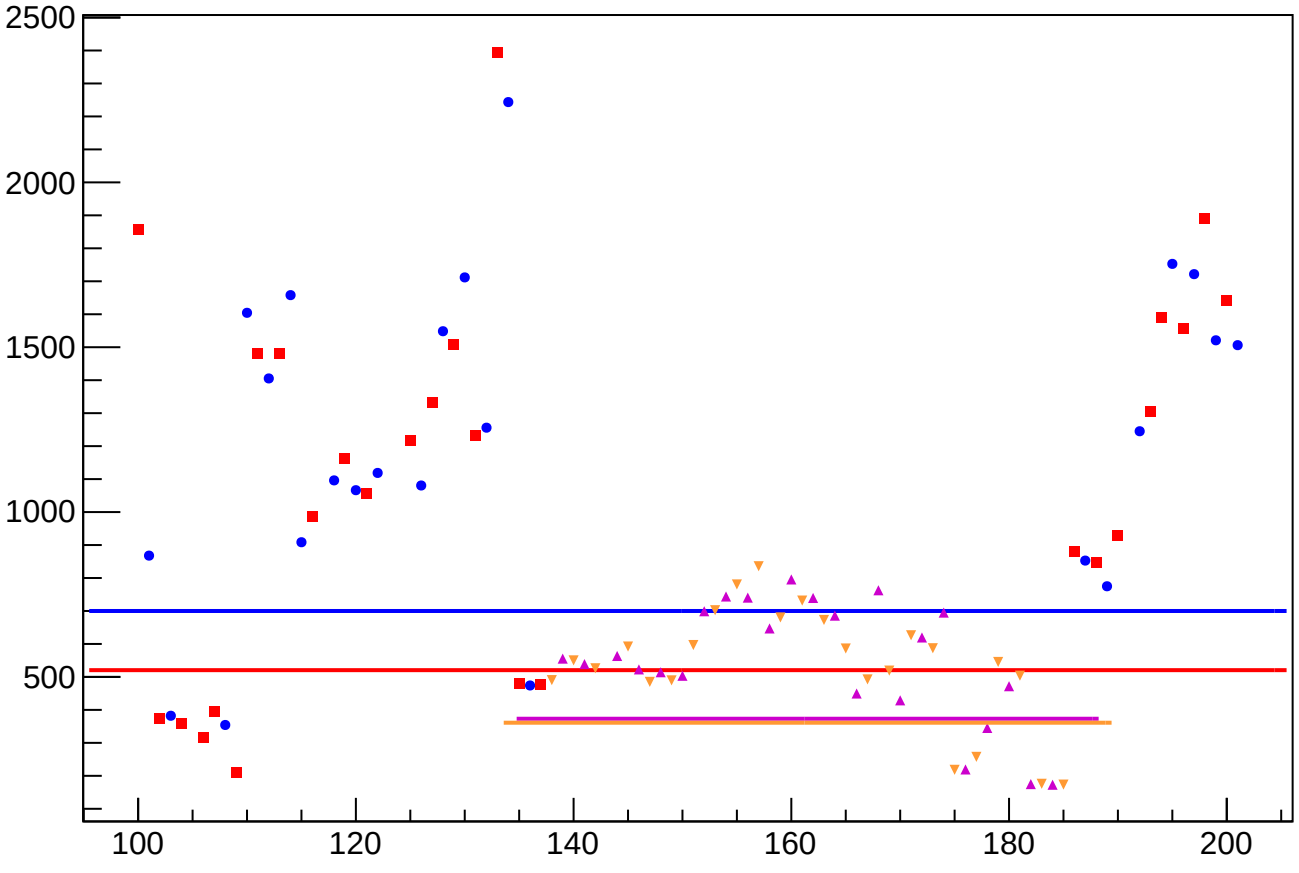
Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

\+ sign 211.670+/-88.913 χ^2/NDF: 66.3/46

All: 150.704+/-62.371 χ^2/NDF: 101.8/95

\- sign 91.641+/-87.514 χ^2/NDF: 34.6/48

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 699.972+/-0.168 χ^2/NDF: 6796506.6/22

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

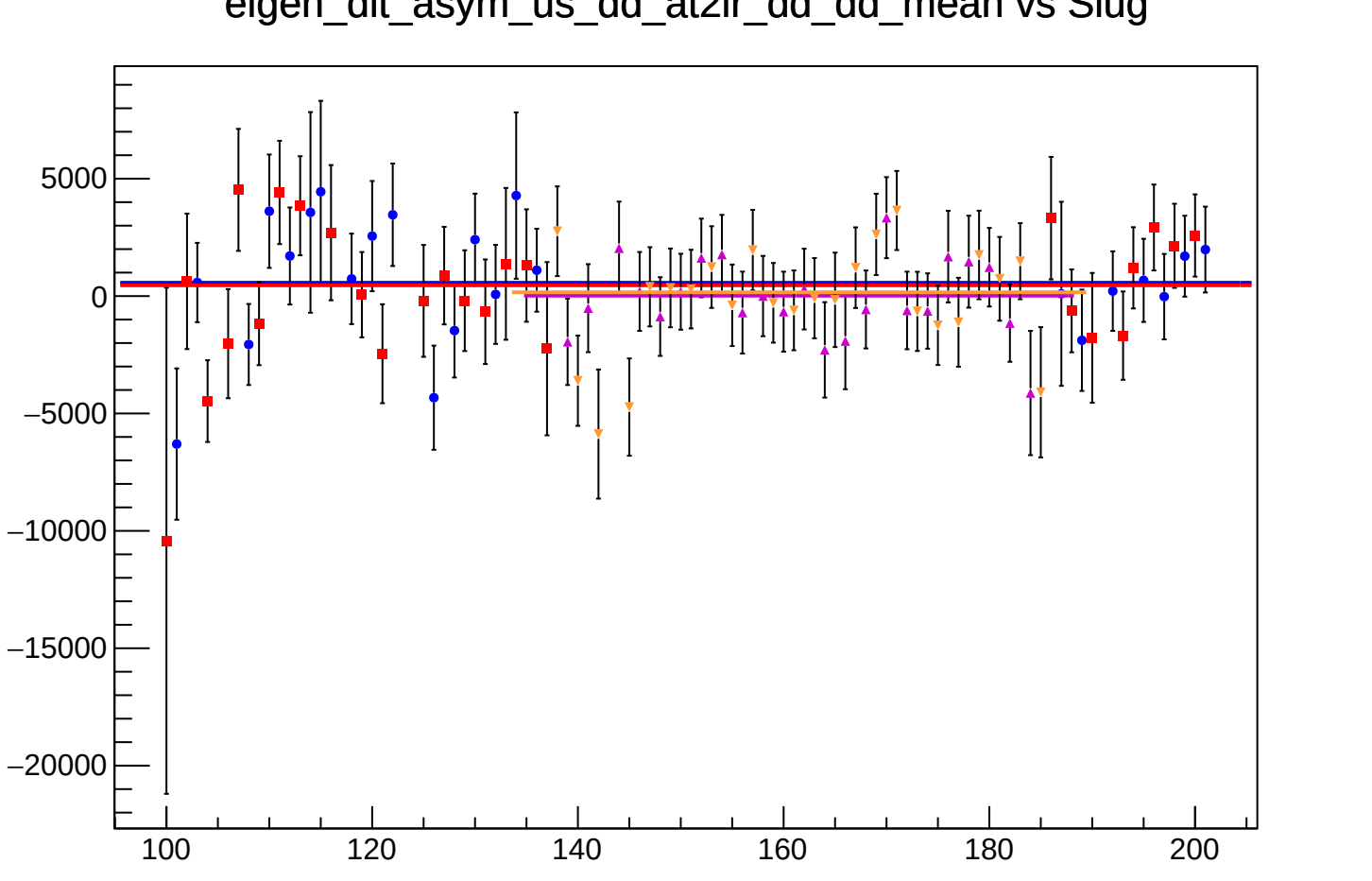
Right Out: 520.501+/-0.129 χ^2/NDF: 9690198.6/25

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 408.640+/-0.063 χ^2/NDF: 18483491.7/46

All: 407.807+/-0.044 χ^2/NDF: 37384977.6/95

- sign 407.000+/-0.062 χ^2/NDF: 18901140.3/48



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: 460.959+/-425.809 χ^2/NDF: 31.0/25

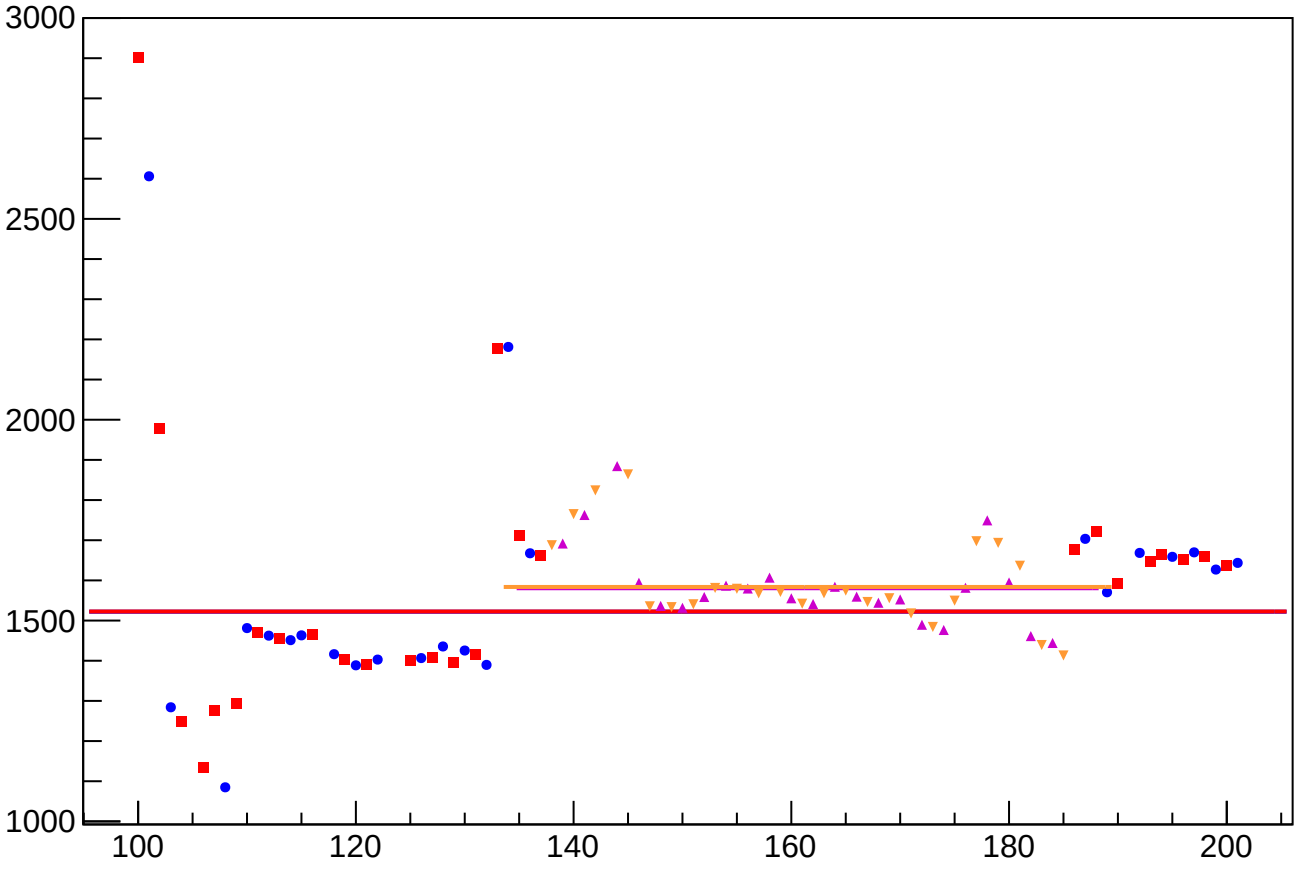
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 328.947+/-282.098 χ^2/NDF: 53.7/46

All: 268.718+/-198.440 χ^2/NDF: 101.3/95

- sign 209.722+/-279.197 χ^2/NDF: 47.6/48

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

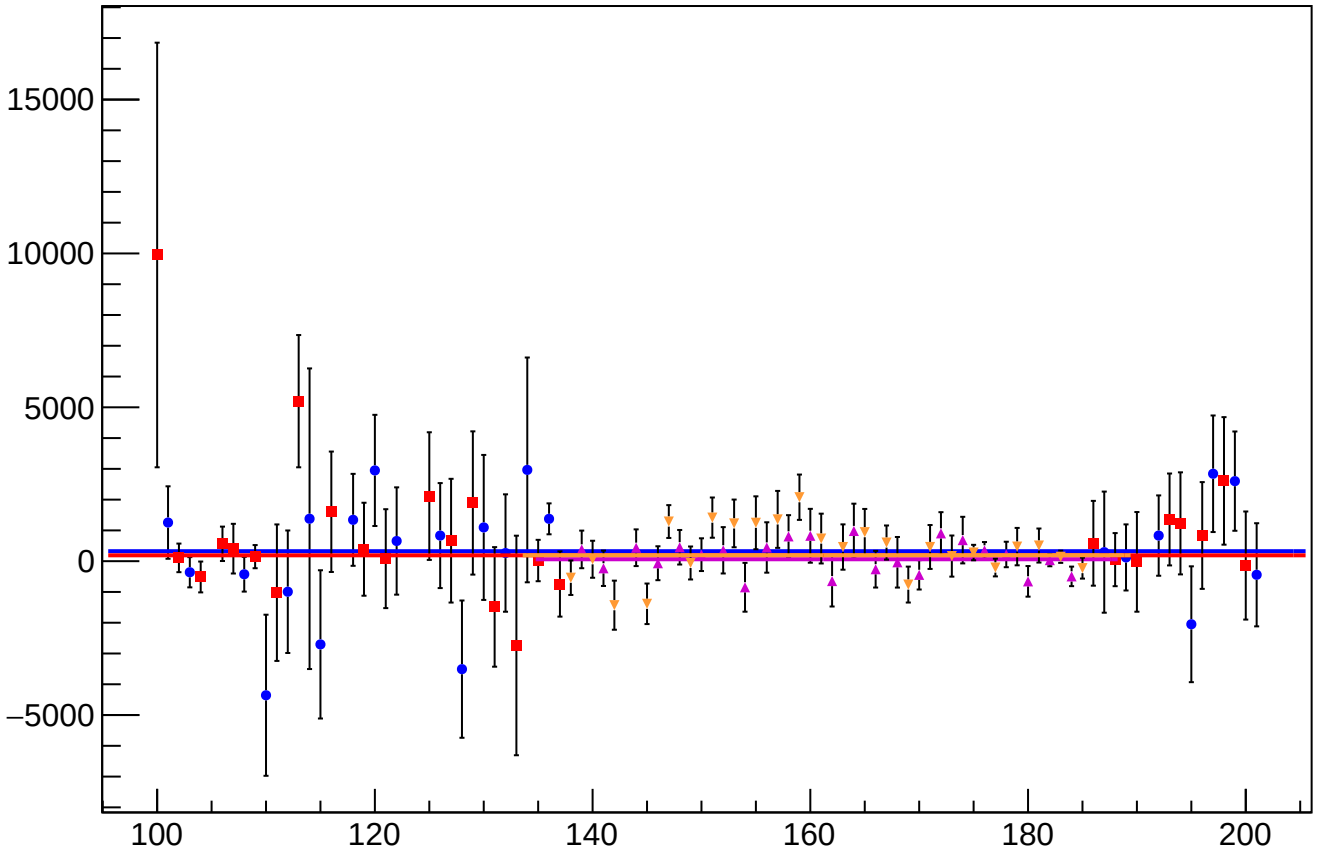
Right Out: 1522.584+/-0.301 χ^2/NDF: 467166.6/25

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1558.189+/-0.199 χ^2/NDF: 739061.2/46

All: 1556.871+/-0.140 χ^2/NDF: 1353126.4/95

- sign 1555.580+/-0.197 χ^2/NDF: 613978.8/48



Right In: 324.196+/-237.385 χ^2/NDF: 26.0/22

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

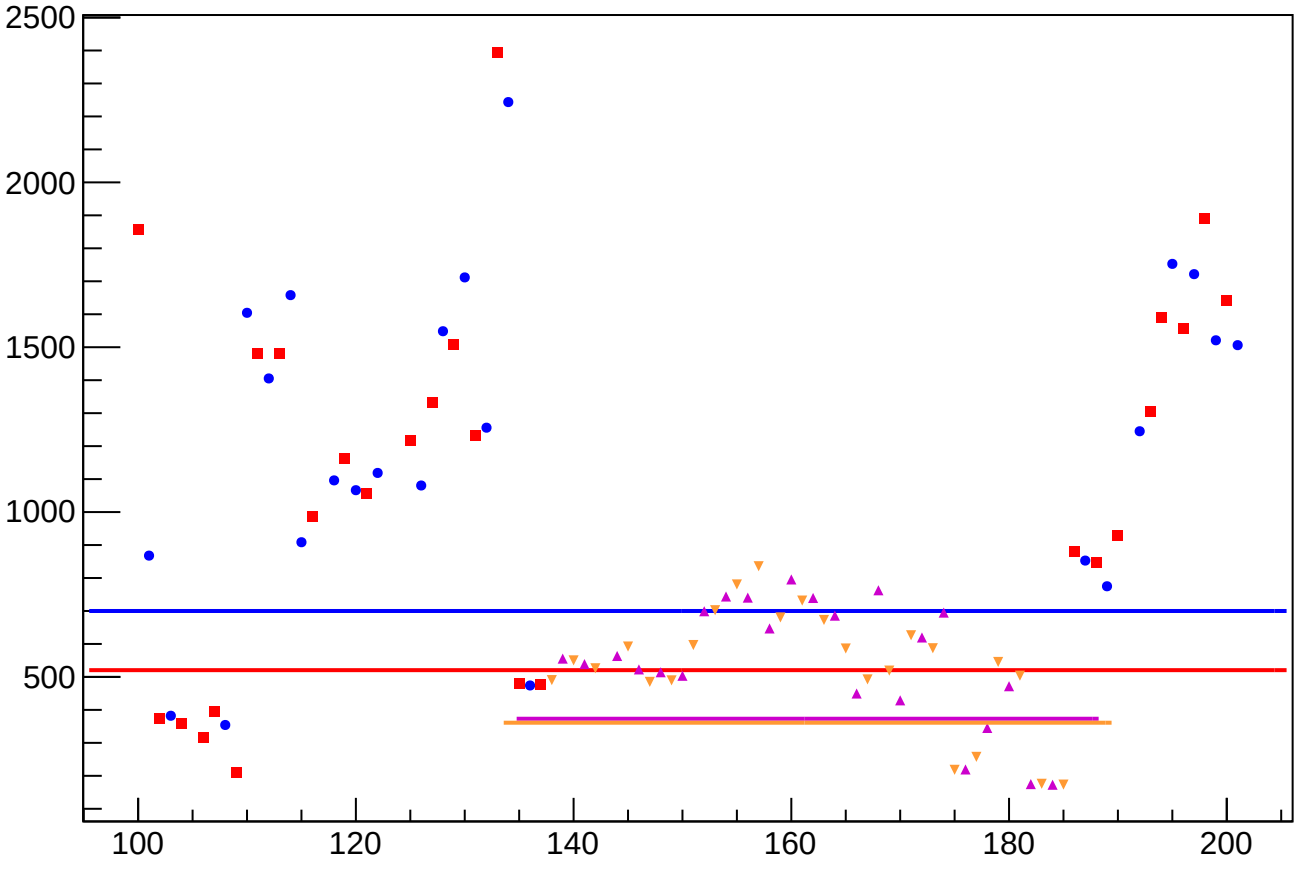
Right Out: 190.385+/-182.571 χ^2/NDF: 17.2/25

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 211.674+/-88.914 χ^2/NDF: 66.3/46

All: 150.705+/-62.371 χ^2/NDF: 101.8/95

- sign 91.639+/-87.515 χ^2/NDF: 34.6/48



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: 520.507+/-0.129 χ^2/NDF: 9690076.1/25

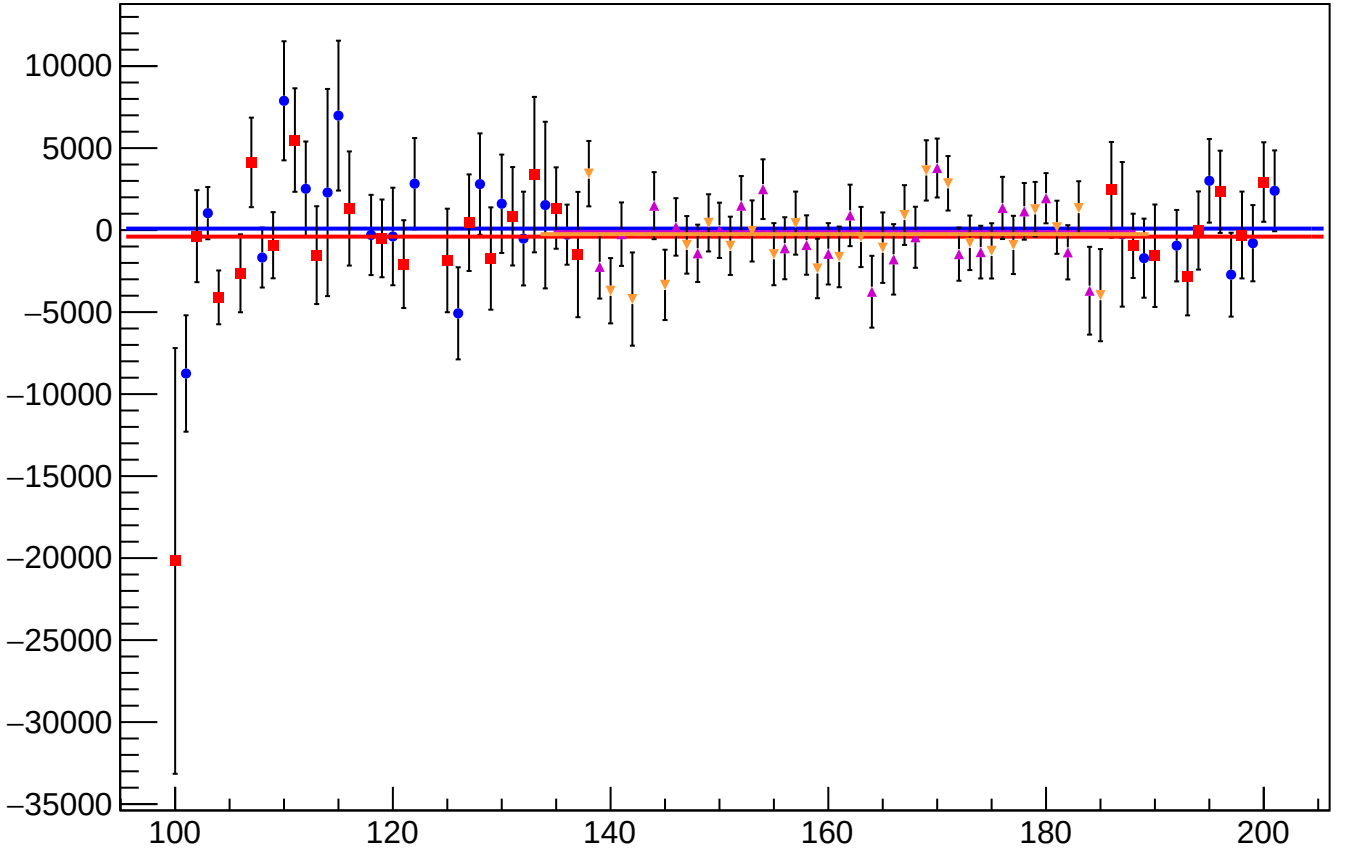
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 408.643+/-0.063 χ^2/NDF: 18483276.0/46

All: 407.811+/-0.044 χ^2/NDF: 37384401.1/95

- sign 407.005+/-0.062 χ^2/NDF: 18900780.3/48

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: -398.078+/-521.015 χ^2/NDF: 22.6/25

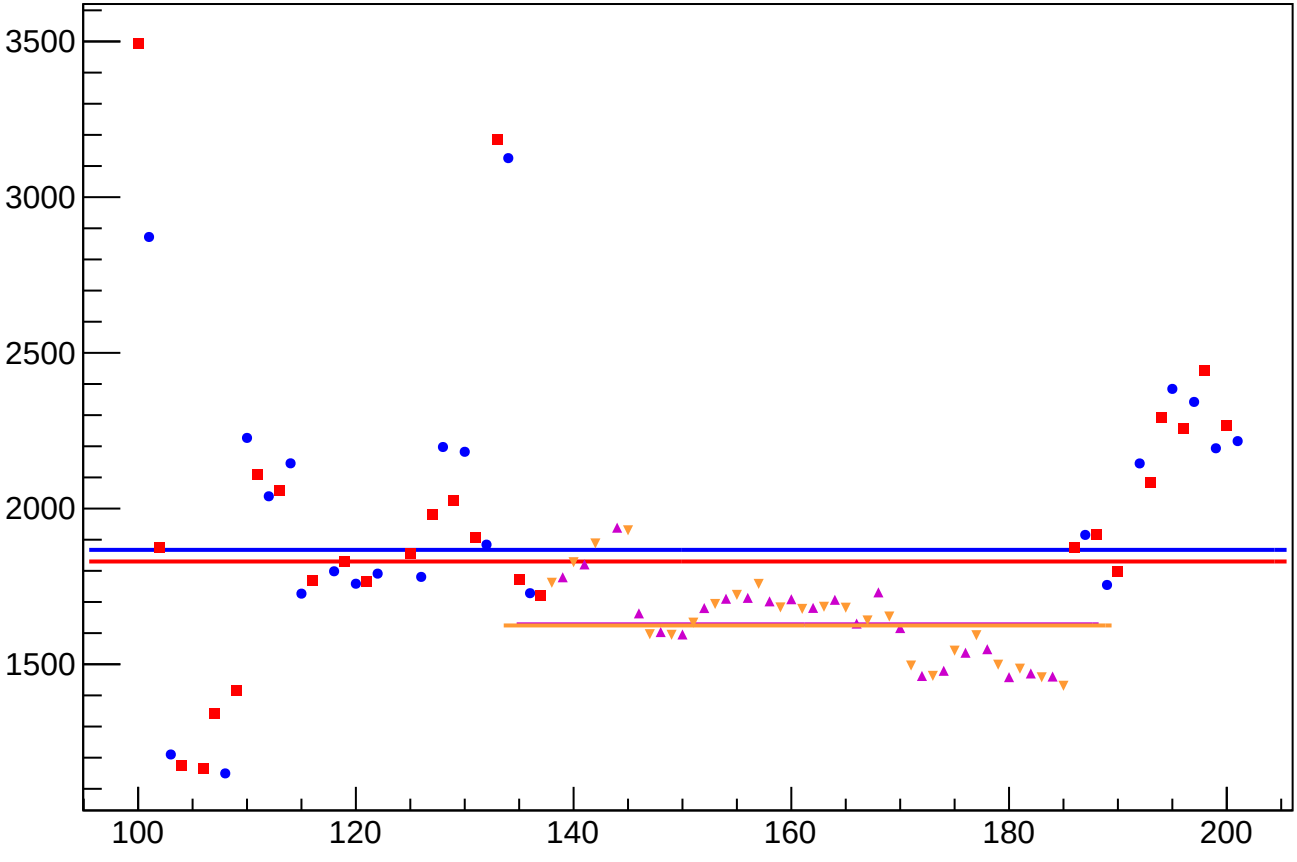
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -137.593+/-311.075 χ^2/NDF: 51.4/46

All: -179.737+/-218.762 χ^2/NDF: 95.4/95

- sign -220.972+/-307.704 χ^2/NDF: 43.9/48

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

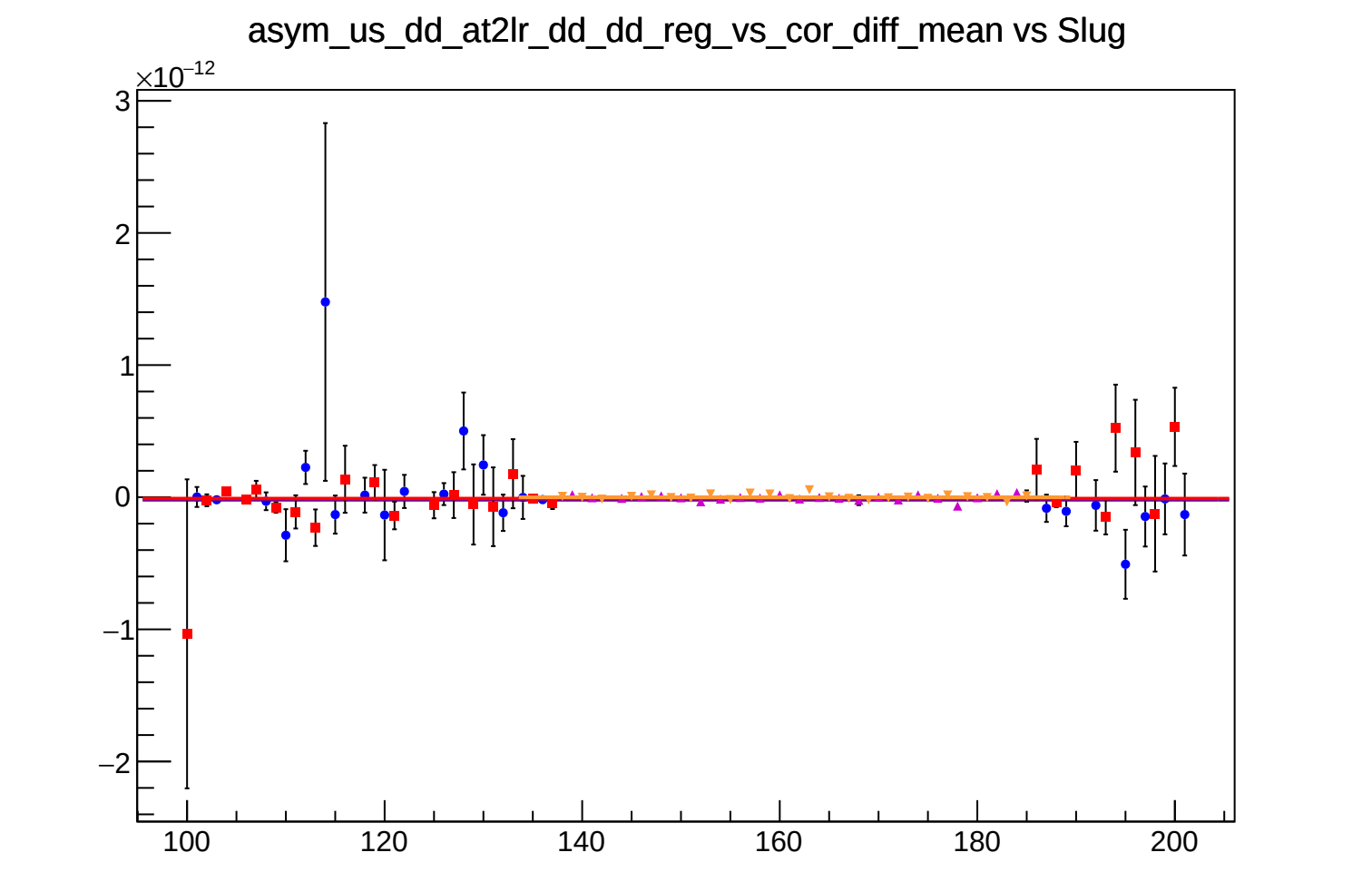
Right Out: 1830.012+/-0.368 χ^2/NDF: 1199065.8/25

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1703.155+/-0.220 χ^2/NDF: 1769933.4/46

All: 1700.855+/-0.155 χ^2/NDF: 3369465.7/95

- sign 1698.604+/-0.218 χ^2/NDF: 1599315.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

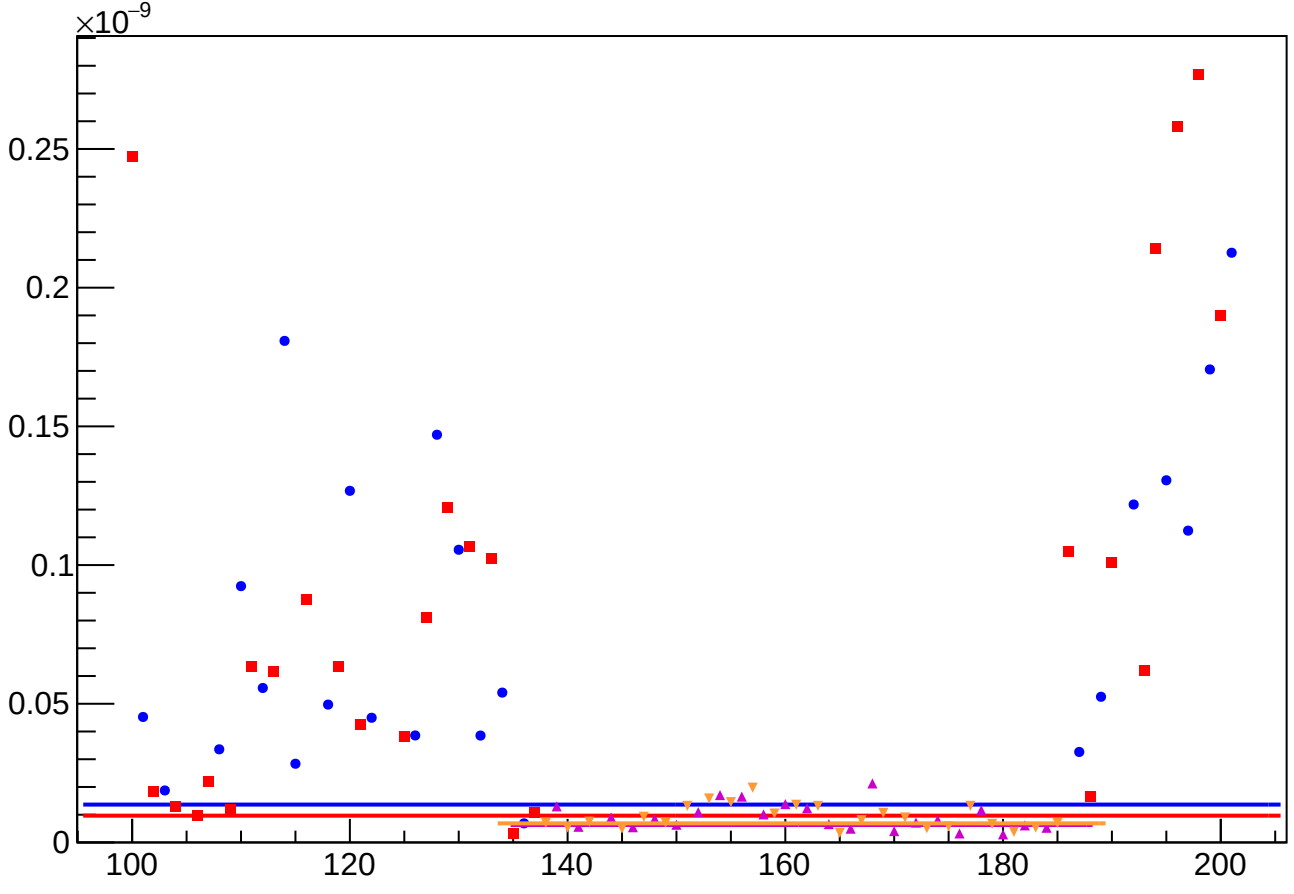
Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/25

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: 96.0/95

- sign -0.000+/-0.000 χ^2/NDF: 52.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 6707807.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

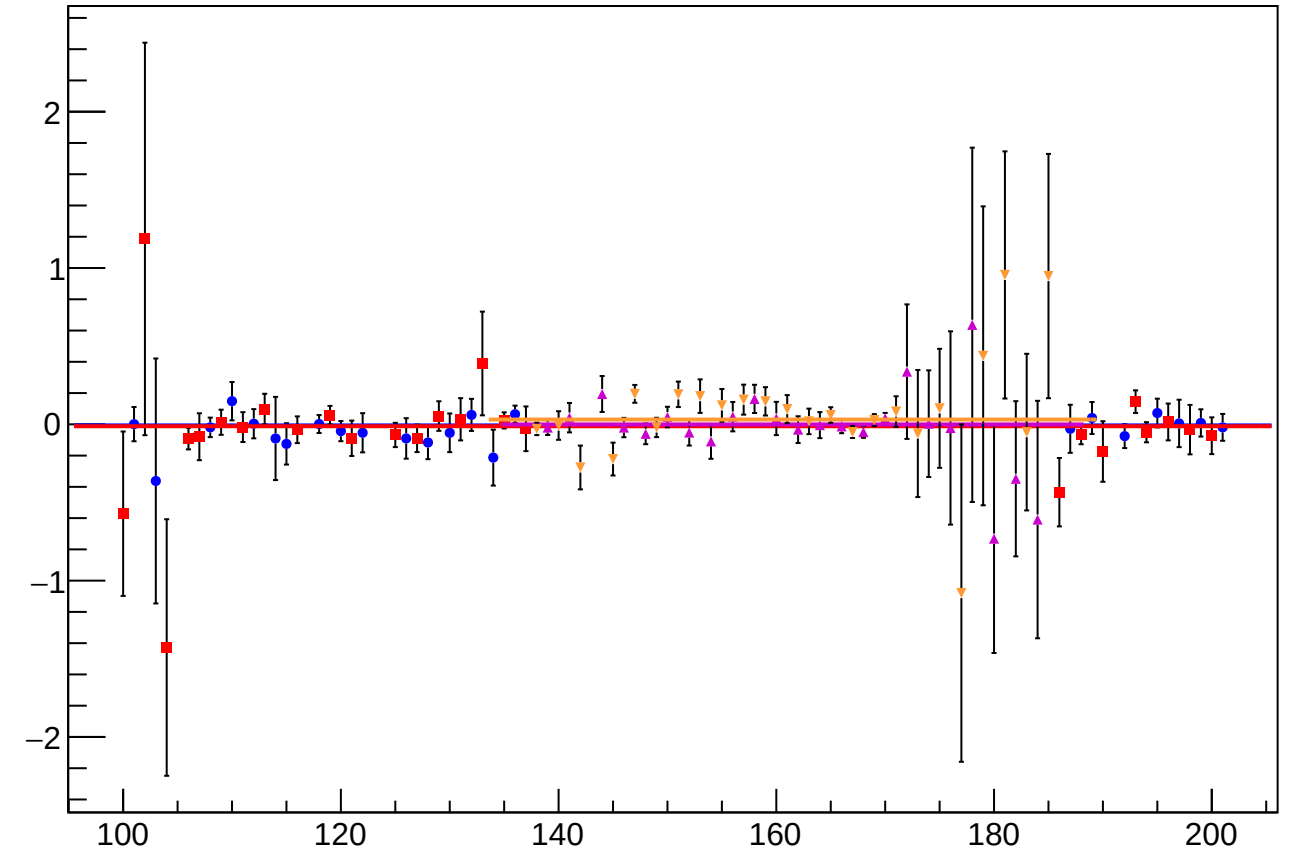
Right Out: 0.000+/-0.000 χ^2/NDF: 7680428.7/25

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: 20733277.3/95

- sign 0.000+/-0.000 χ^2/NDF: 10858392.8/48



Right In: -0.007+/-0.020 χ^2/NDF: 10.1/22

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

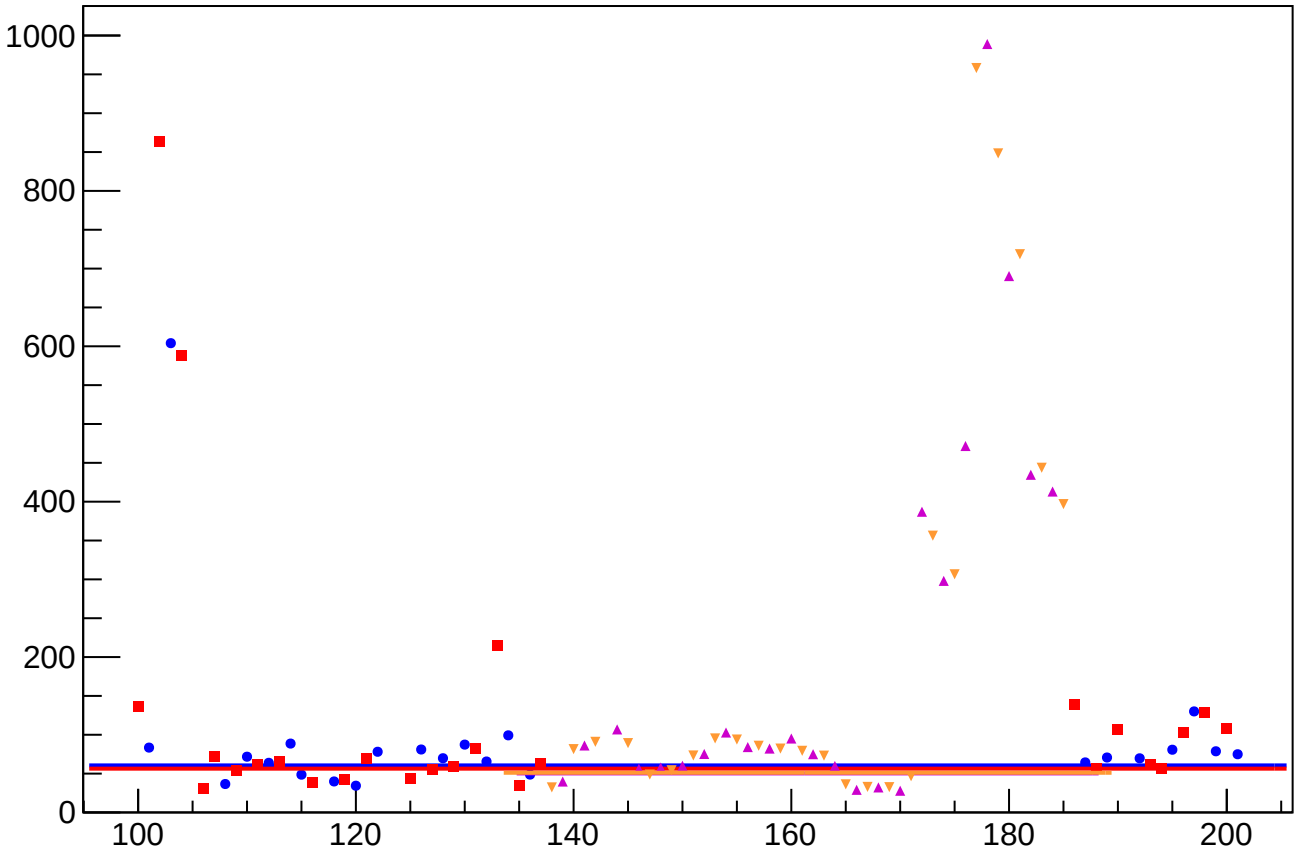
Right Out: -0.012+/-0.018 χ^2/NDF: 24.4/25

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.012 χ^2/NDF: 54.0/46

All: 0.005+/-0.008 χ^2/NDF: 96.2/95

- sign -0.005+/-0.012 χ^2/NDF: 40.6/48



Right In: 60.568+/-0.014 χ^2/NDF: 3087909.9/22

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

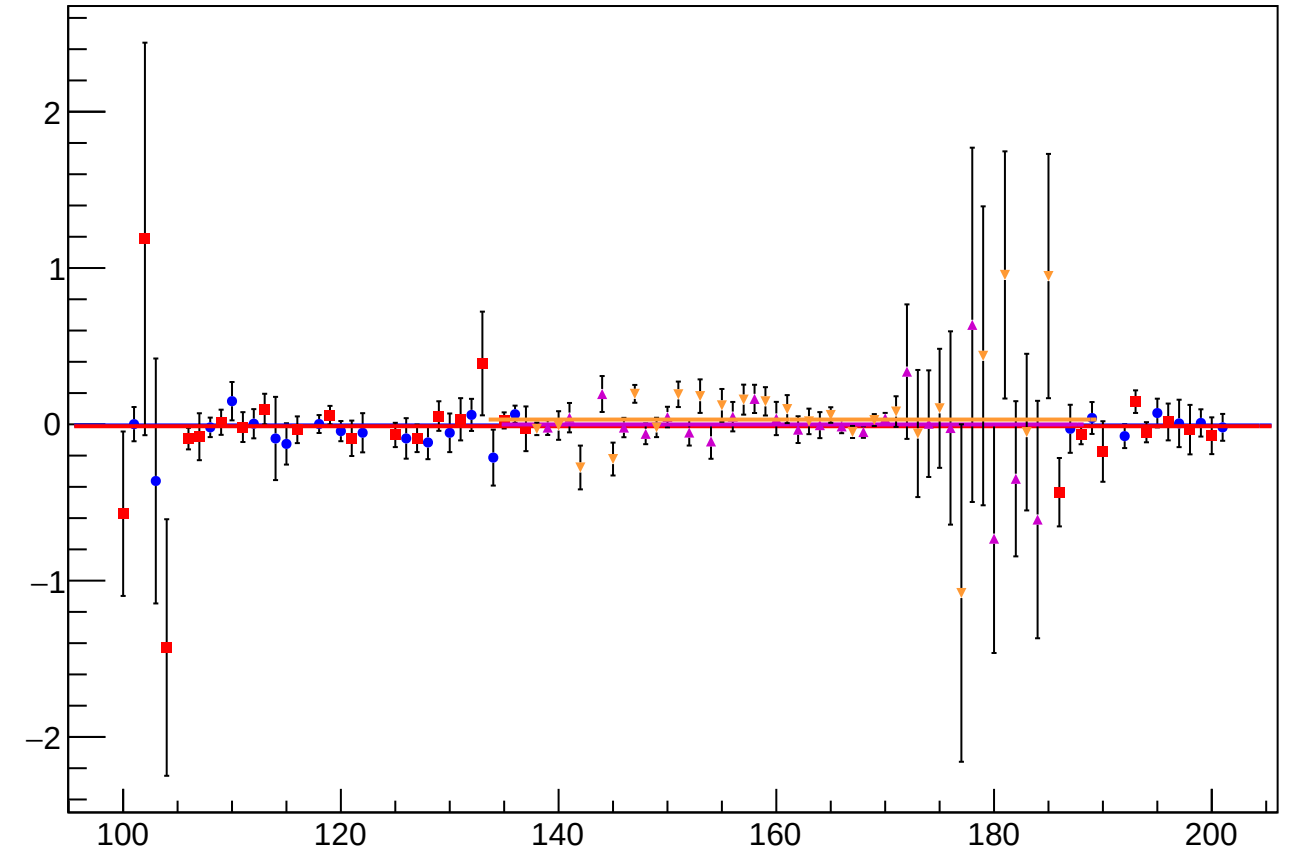
Right Out: 56.369+/-0.013 χ^2/NDF: 4768059.6/25

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 54.729+/-0.009 χ^2/NDF: 15113696.6/46

All: 53.705+/-0.006 χ^2/NDF: 32236262.1/95

- sign 52.748+/-0.008 χ^2/NDF: 17095027.4/48



Right In: -0.007+/-0.020 χ^2/NDF: 10.1/22

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

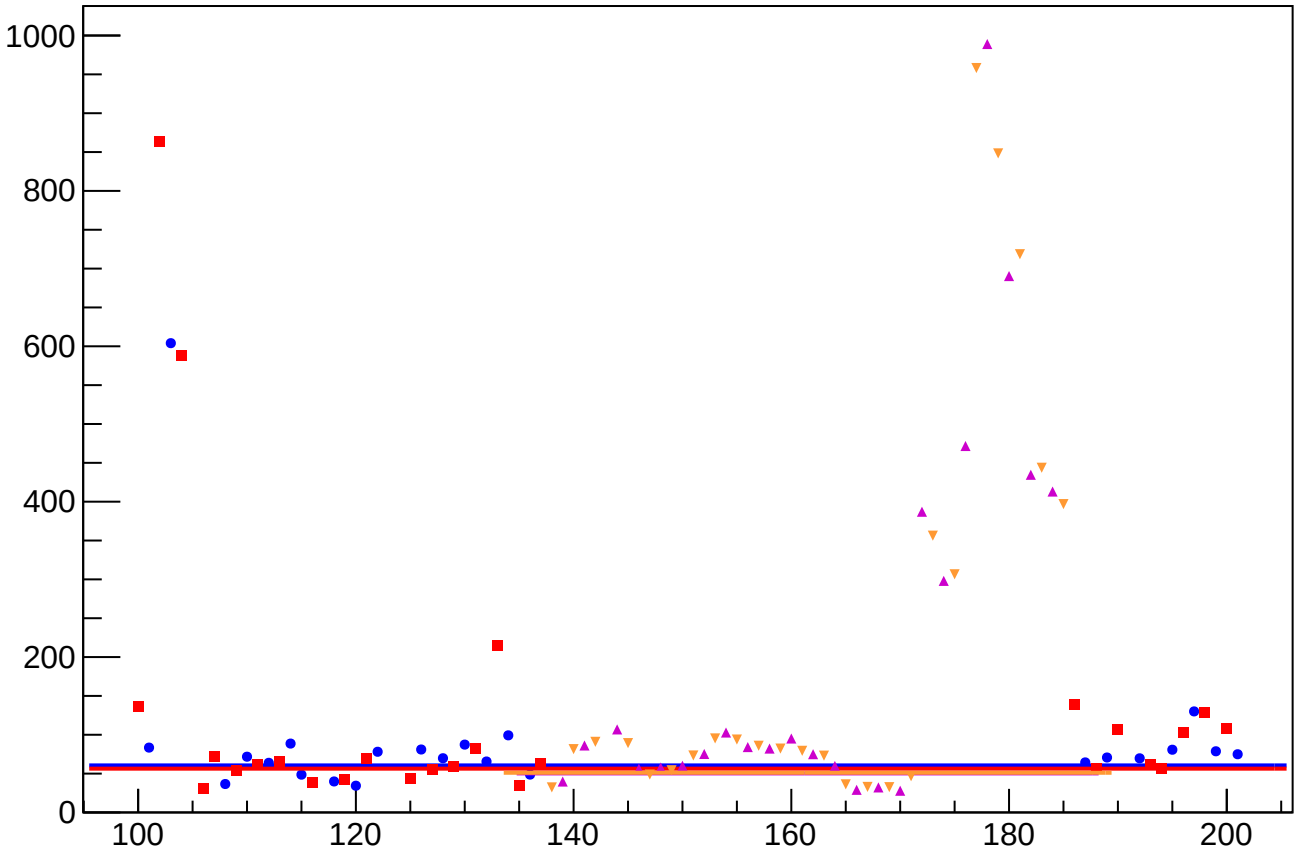
Right Out: -0.012+/-0.018 χ^2/NDF: 24.4/25

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.012 χ^2/NDF: 54.0/46

All: 0.005+/-0.008 χ^2/NDF: 96.2/95

- sign -0.005+/-0.012 χ^2/NDF: 40.6/48



Right In: 60.568+/-0.014 χ^2/NDF: 3087909.9/22

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

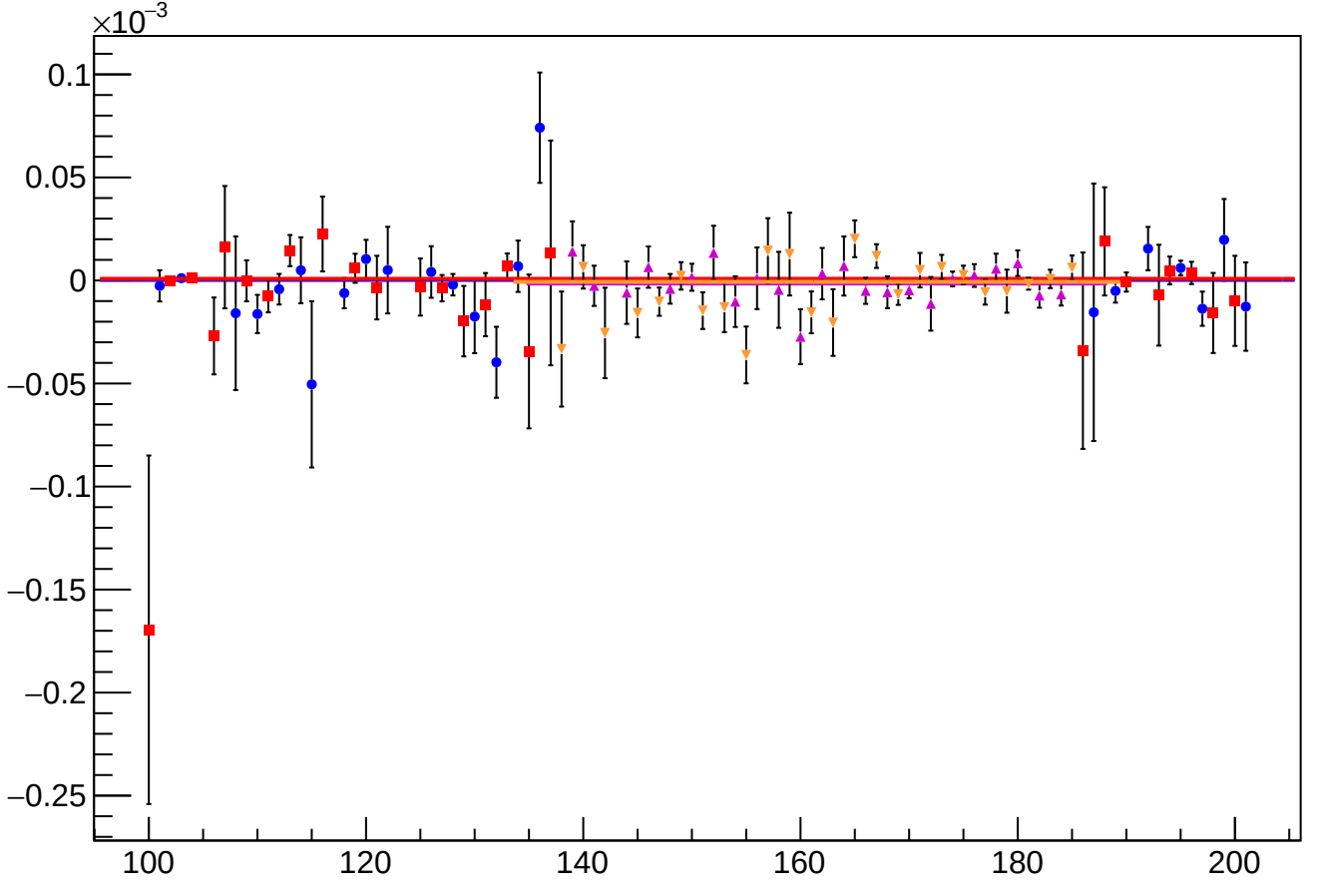
Right Out: 56.369+/-0.013 χ^2/NDF: 4768059.6/25

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 54.729+/-0.009 χ^2/NDF: 15113696.6/46

All: 53.705+/-0.006 χ^2/NDF: 32236262.1/95

- sign 52.748+/-0.008 χ^2/NDF: 17095027.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

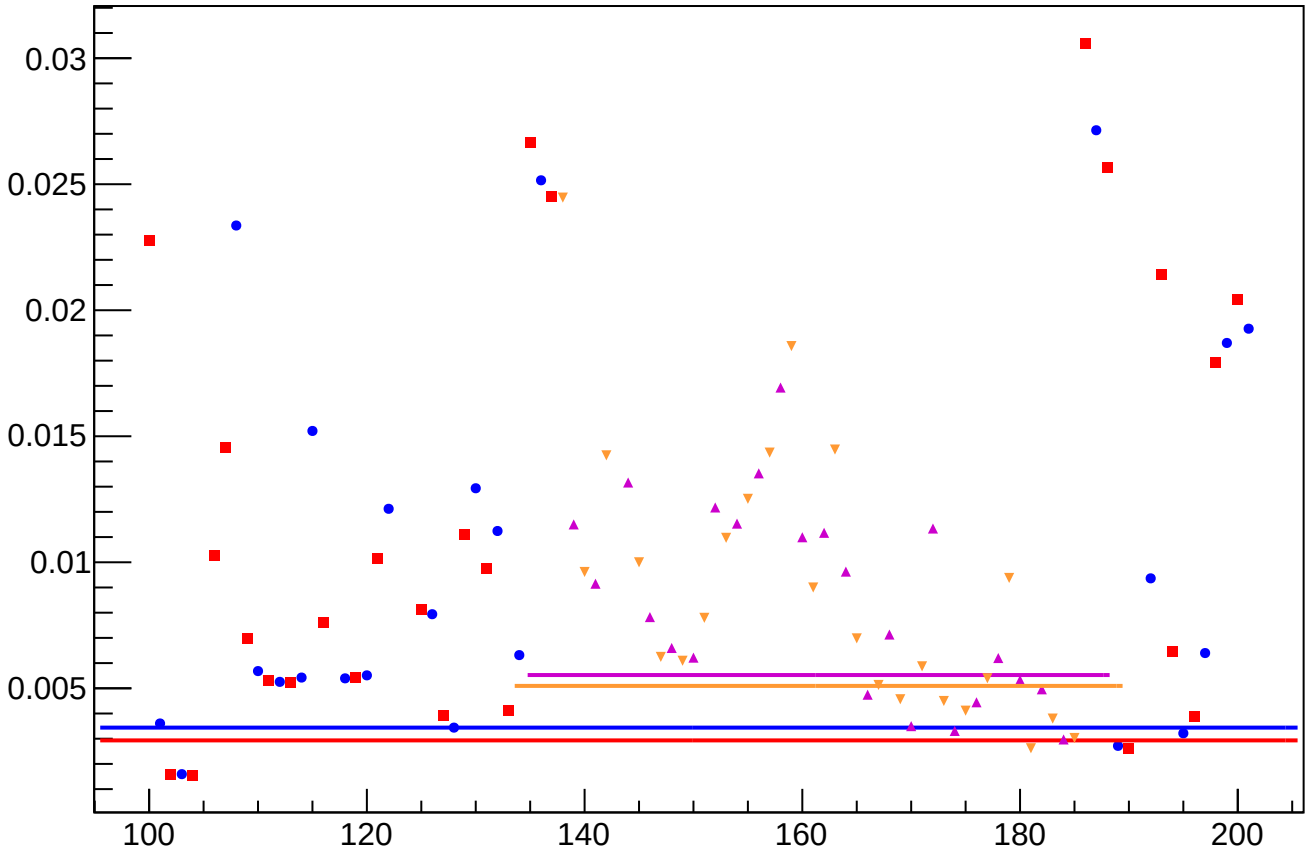
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/25

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: 109.4/95

- sign -0.000+/-0.000 χ^2/NDF: 38.5/48



Right In: 0.003+/-0.000 χ^2/NDF: 9366790.2/22

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

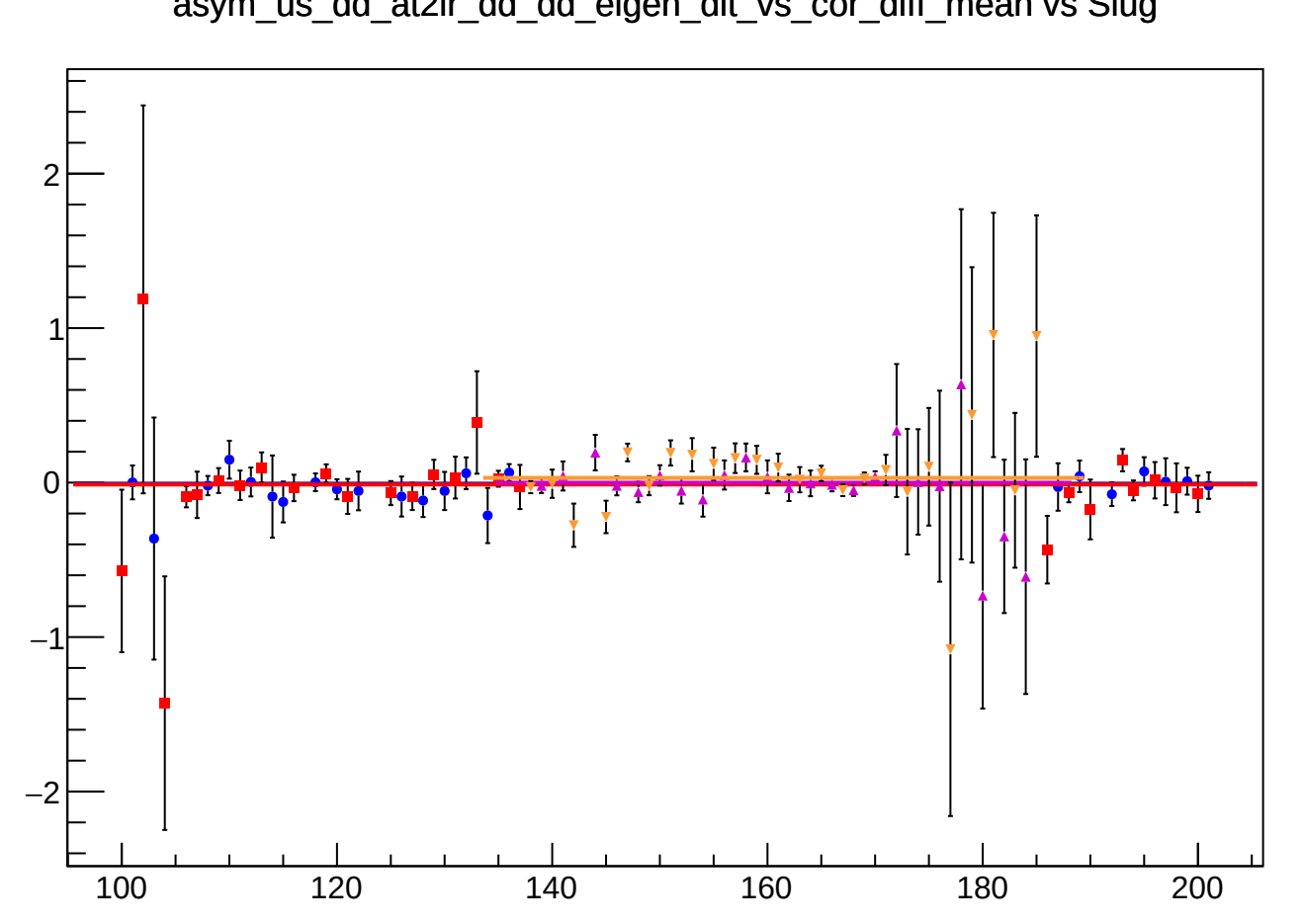
Right Out: 0.003+/-0.000 χ^2/NDF: 12830238.4/25

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: 42722027.3/95

- sign 0.004+/-0.000 χ^2/NDF: 23413124.6/48



Right In: -0.007+/-0.020 χ^2/NDF: 10.1/22

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

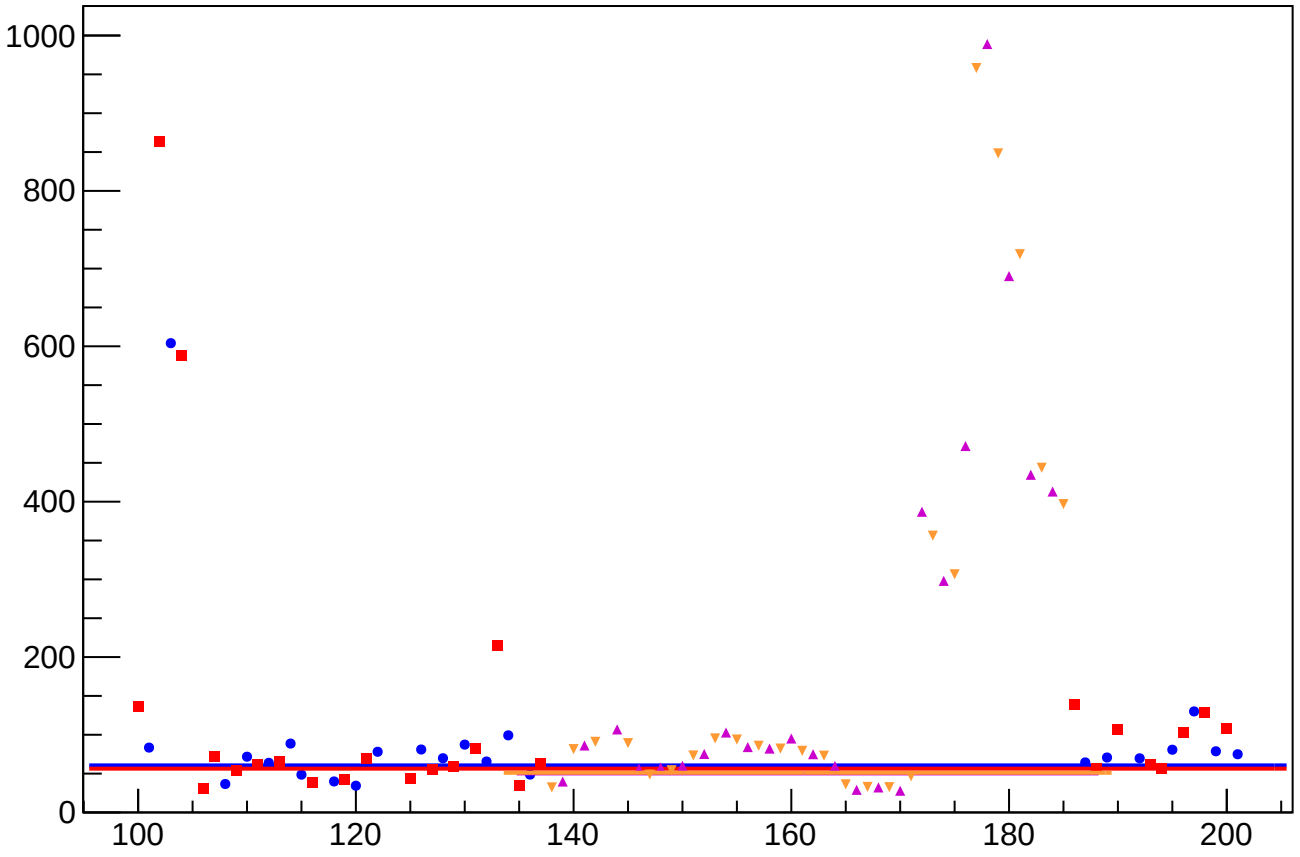
Right Out: -0.012+/-0.018 χ^2/NDF: 24.4/25

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.012 χ^2/NDF: 54.0/46

All: 0.005+/-0.008 χ^2/NDF: 96.2/95

- sign -0.005+/-0.012 χ^2/NDF: 40.6/48



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: 56.371+/-0.013 χ^2/NDF: 4767783.1/25

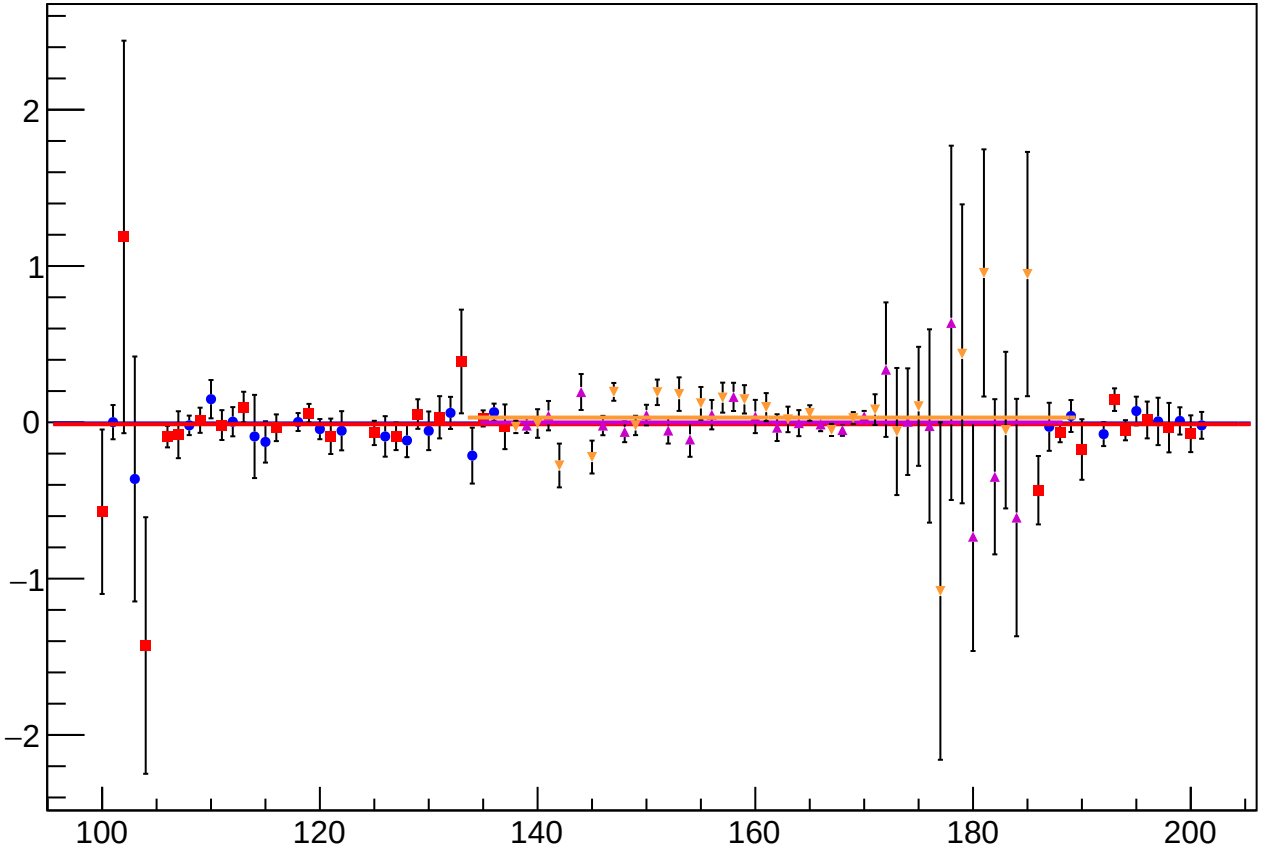
Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 54.732+/-0.009 χ^2/NDF: 15112290.4/46

All: 53.707+/-0.006 χ^2/NDF: 32234650.2/95

- sign 52.749+/-0.008 χ^2/NDF: 17094772.5/48

asym_us_dd_at2lr_dd_dd_eigen_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

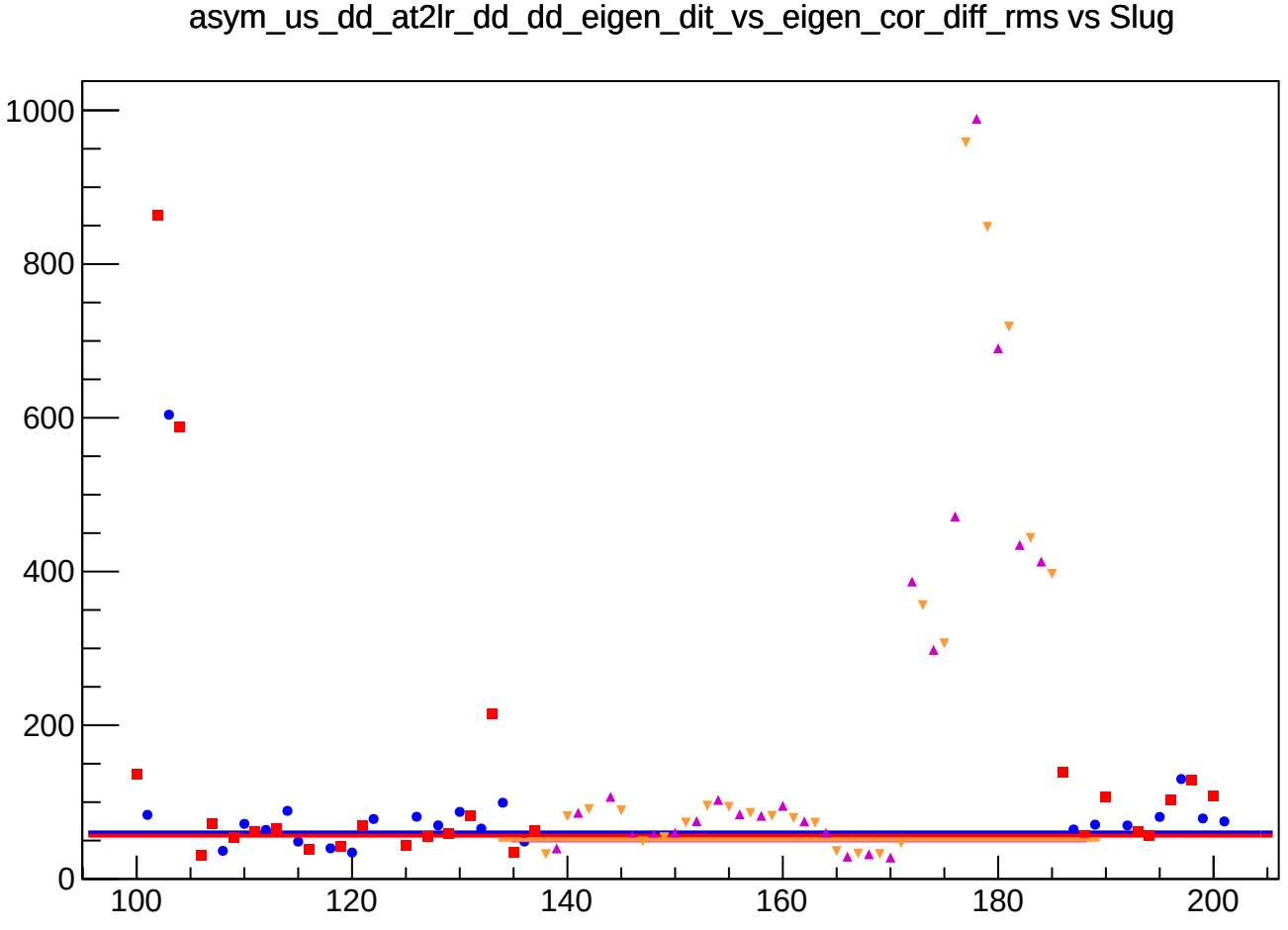
Right Out: -0.012+/-0.018 χ^2/NDF: 24.4/25

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.012 χ^2/NDF: 54.0/46

All: 0.005+/-0.008 χ^2/NDF: 96.2/95

- sign -0.005+/-0.012 χ^2/NDF: 40.6/48



Right In: 60.570+/-0.014 χ^2/NDF: 3087324.6/22

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

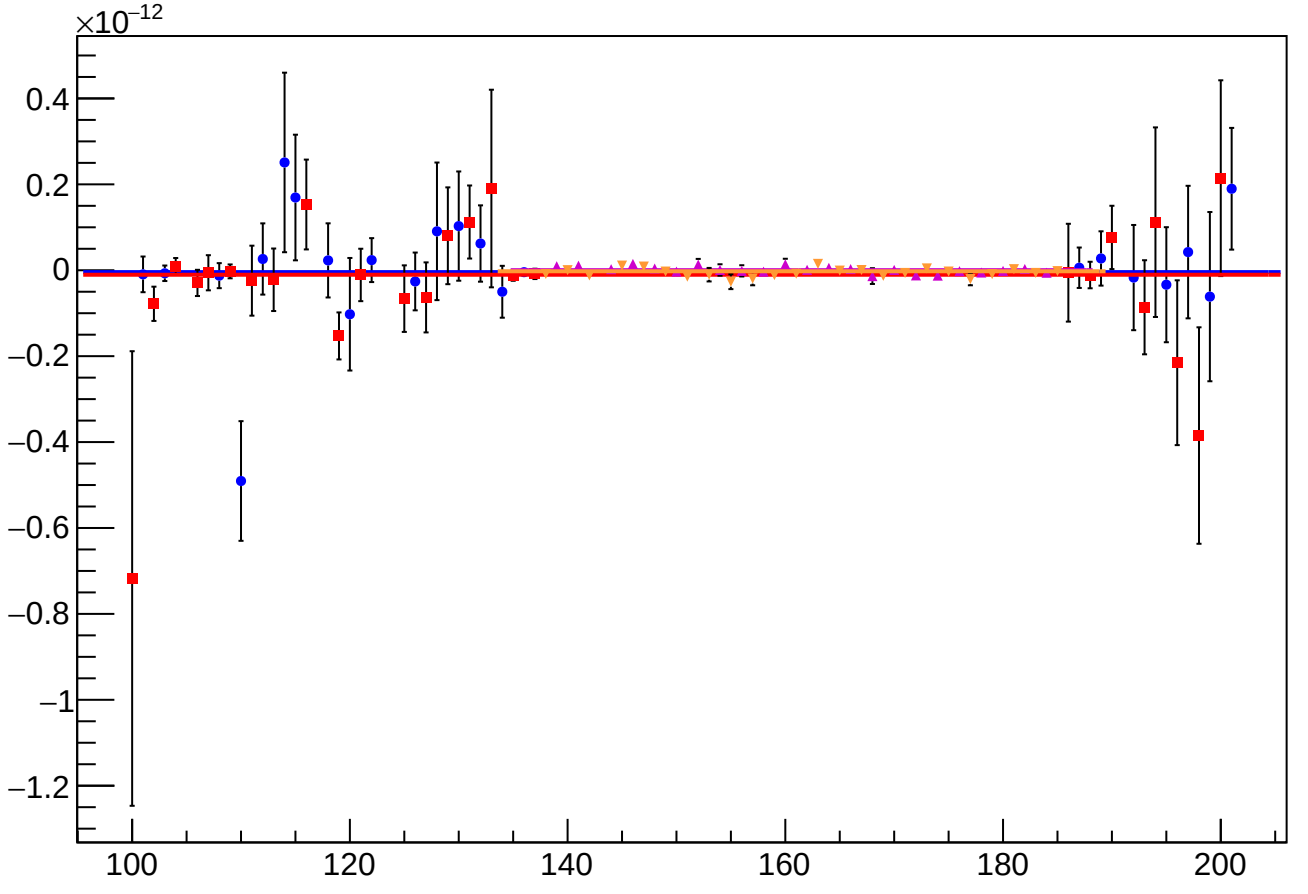
Right Out: 56.371+/-0.013 χ^2/NDF: 4767783.1/25

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 54.732+/-0.009 χ^2/NDF: 15112290.4/46

All: 53.707+/-0.006 χ^2/NDF: 32234650.2/95

- sign 52.749+/-0.008 χ^2/NDF: 17094772.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

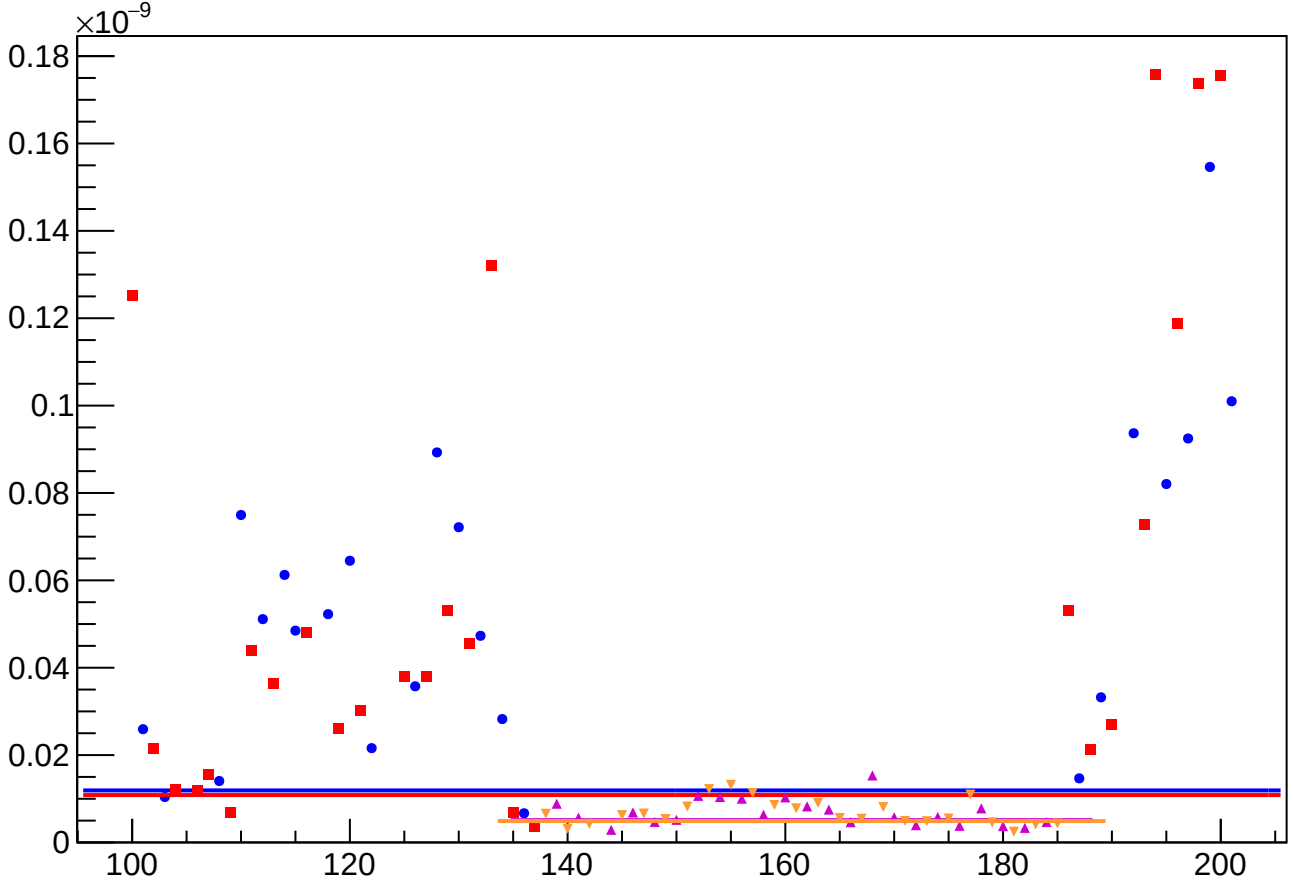
Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/25

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: 91.8/95

- sign -0.000+/-0.000 χ^2/NDF: 47.5/48



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: 8993534.1/25

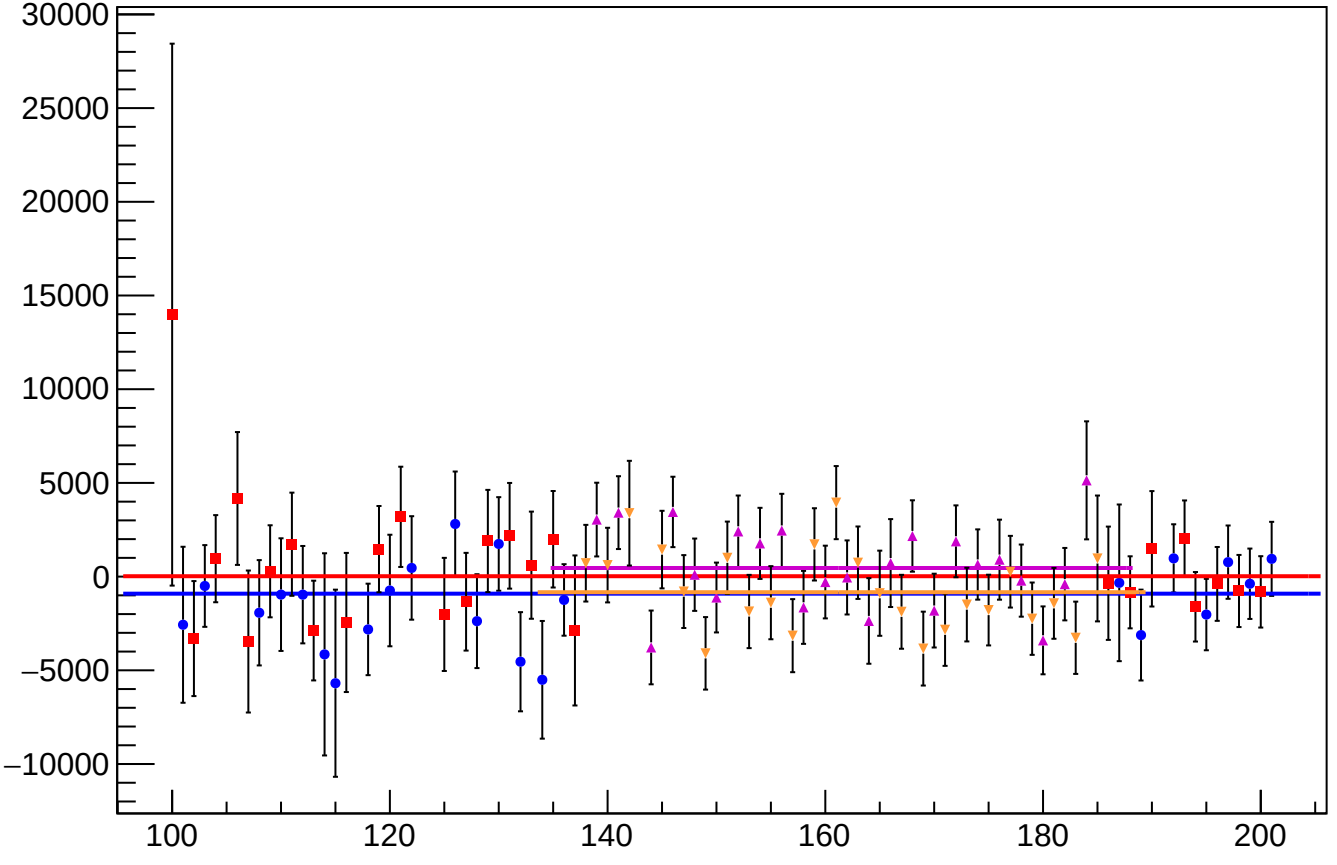
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

\+ sign 0.000+/-0.000 χ^2/NDF: 15091180.9/46

All: 0.000+/-0.000 χ^2/NDF: 29465127.0/95

\- sign 0.000+/-0.000 χ^2/NDF: 14355132.7/48

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: 20.717+/-502.599 χ^2/NDF: 13.8/25

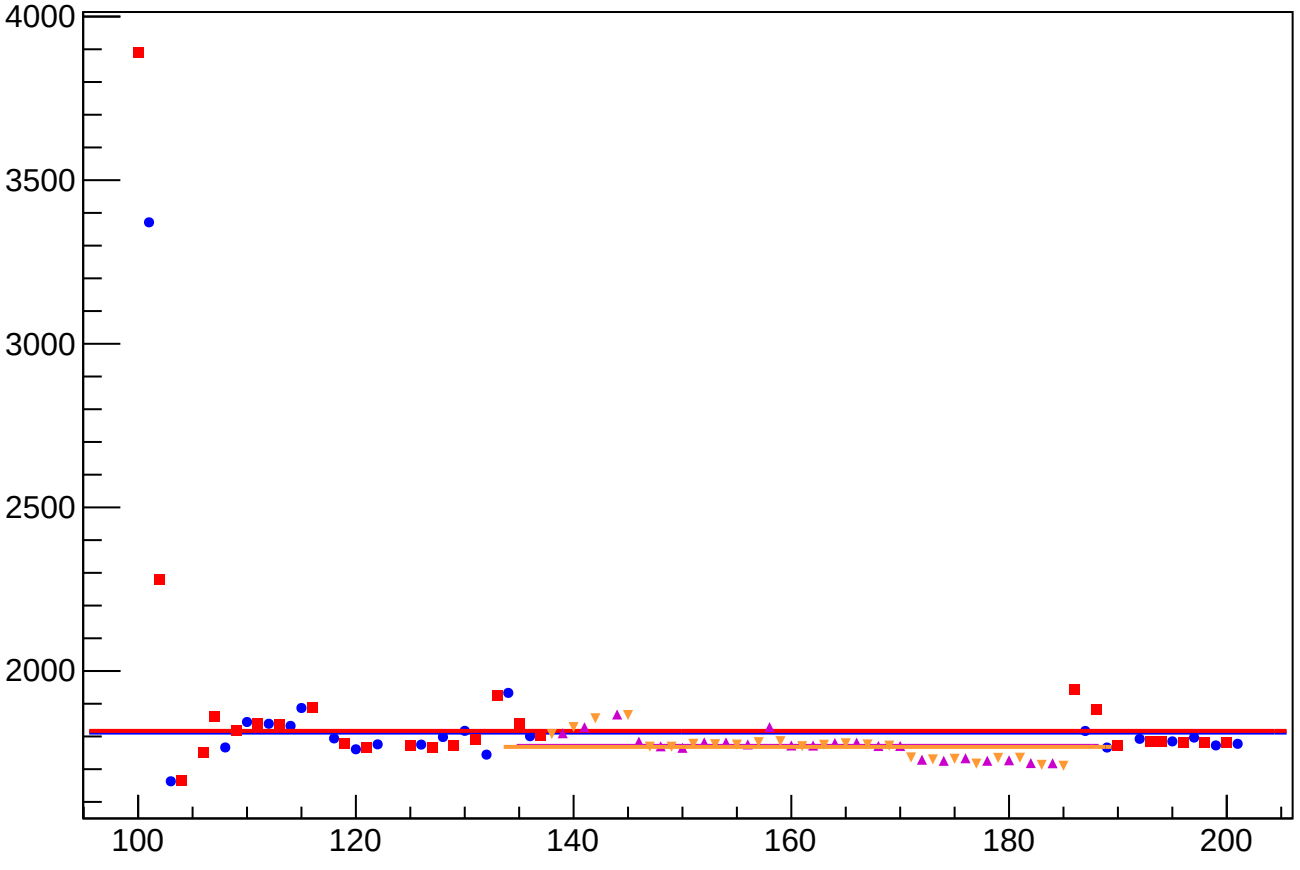
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -862.642+/-321.937 χ^2/NDF: 39.2/46

All: -285.576+/-226.735 χ^2/NDF: 87.1/95

- sign 282.370+/-319.383 χ^2/NDF: 41.6/48

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

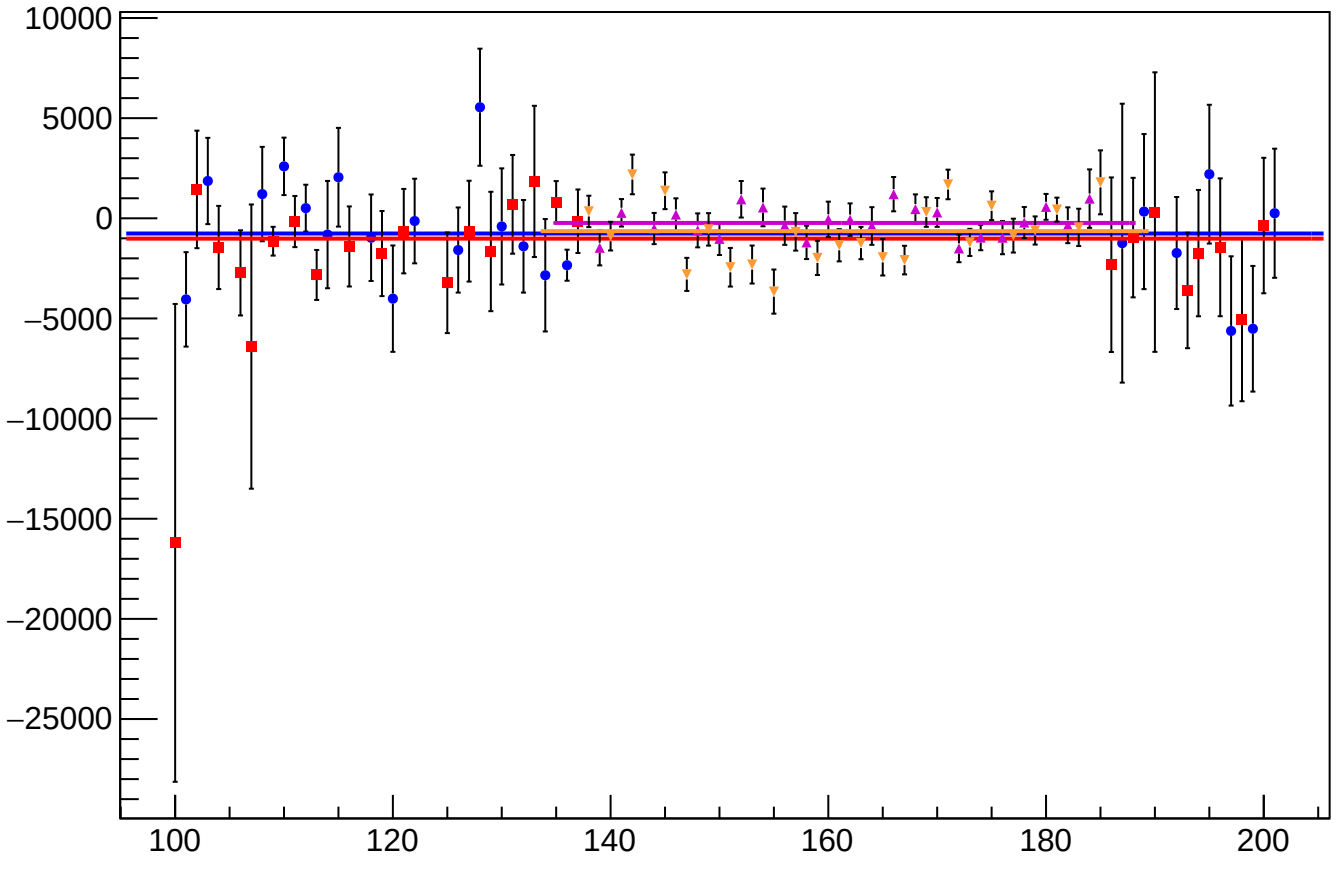
Right Out: 1817.024+/-0.355 χ^2/NDF: 112852.1/25

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.933+/-0.228 χ^2/NDF: 325319.7/46

All: 1787.343+/-0.160 χ^2/NDF: 464724.3/95

- sign 1789.715+/-0.226 χ^2/NDF: 139182.2/48



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: -1014.622+/-375.302 χ^2/NDF: 13.6/25

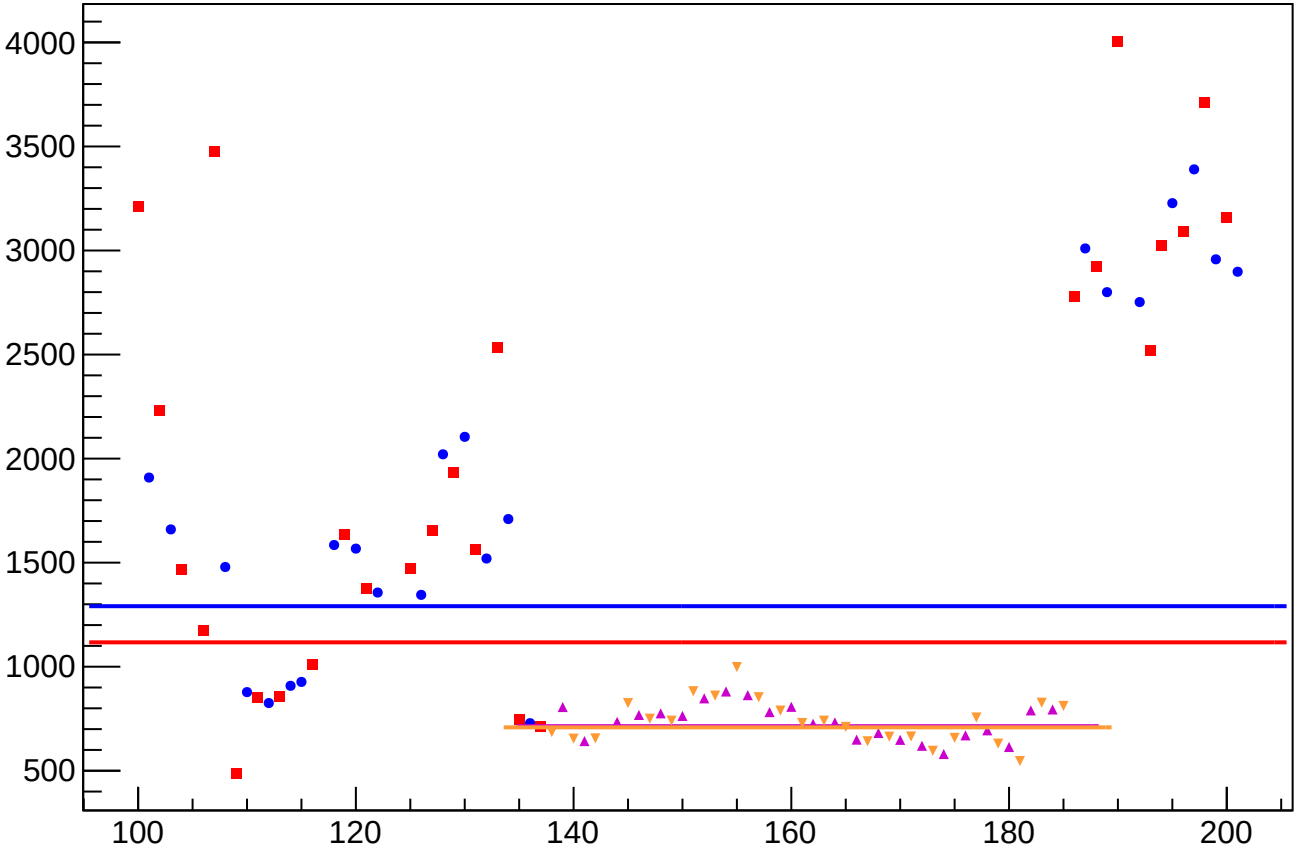
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -657.151+/-154.713 χ^2/NDF: 95.1/46

All: -508.460+/-108.996 χ^2/NDF: 134.1/95

- sign -361.936+/-153.581 χ^2/NDF: 37.2/48

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: 1117.054+/-0.265 χ^2/NDF: 8282089.4/25

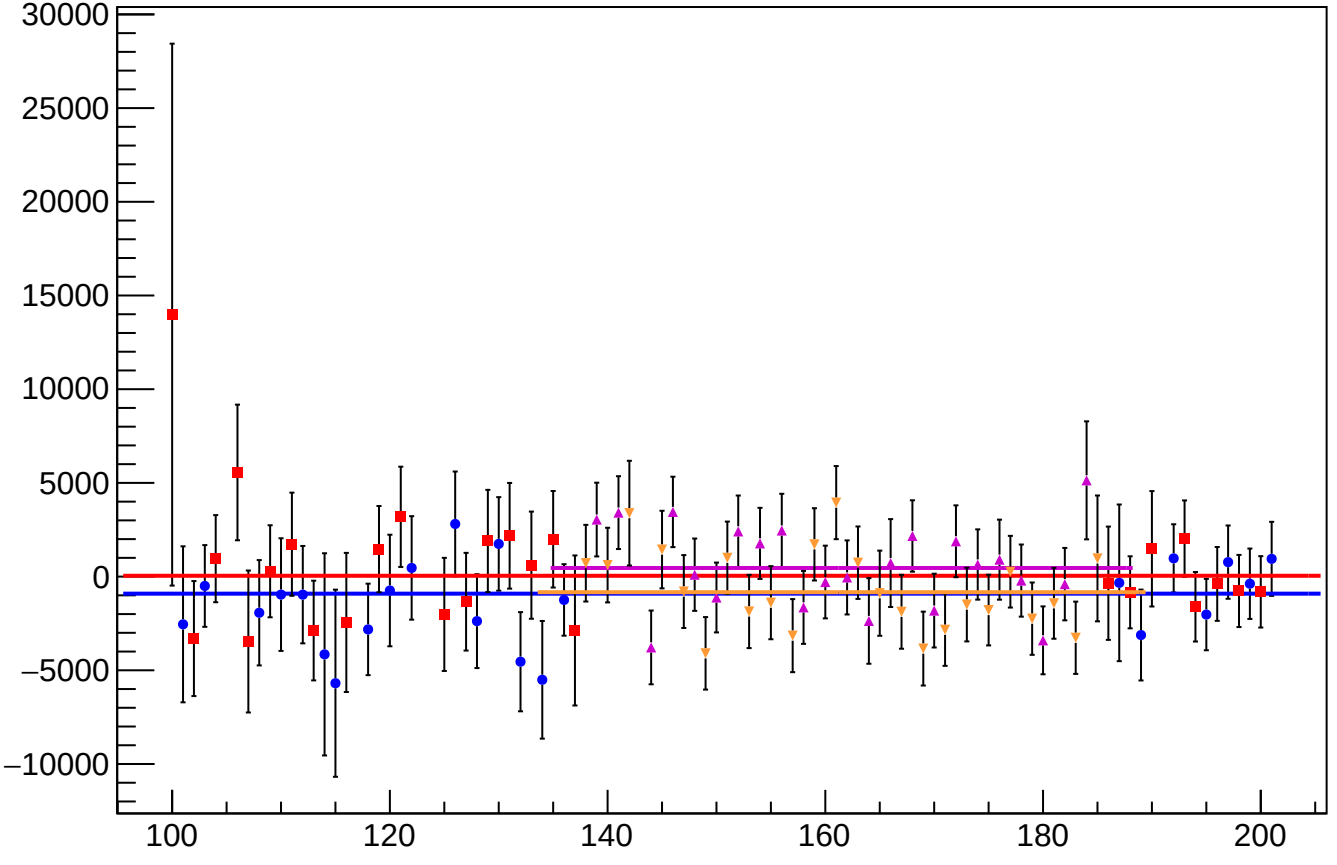
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 787.717+/-0.109 χ^2/NDF: 9561473.4/46

All: 784.651+/-0.077 χ^2/NDF: 20261263.1/95

- sign 781.630+/-0.109 χ^2/NDF: 10698230.6/48

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: 44.025+/-502.806 χ^2/NDF: 14.8/25

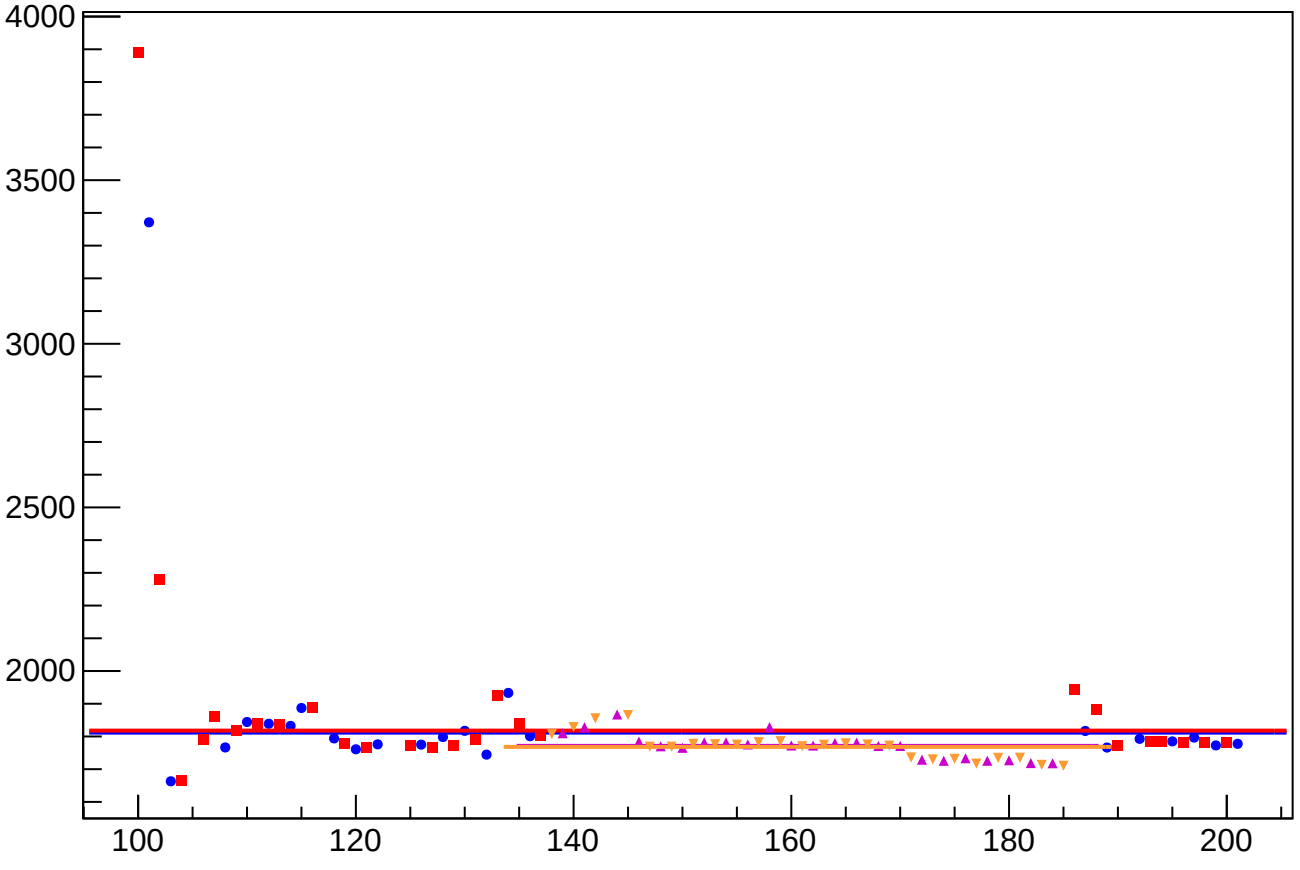
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -862.452+/-321.937 χ^2/NDF: 39.2/46

All: -280.805+/-226.754 χ^2/NDF: 88.1/95

- sign 291.840+/-319.436 χ^2/NDF: 42.5/48

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

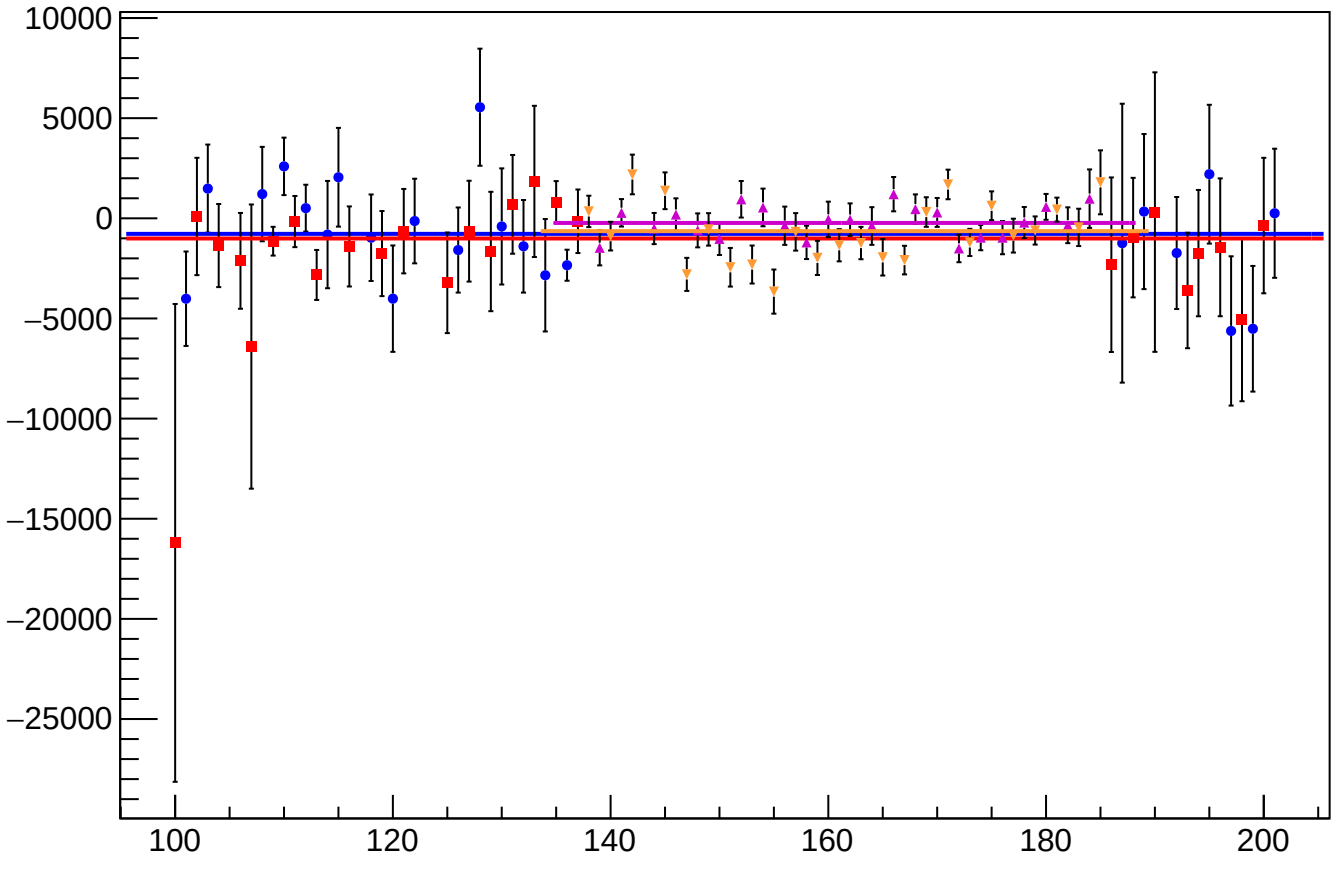
Right Out: 1817.868+/-0.356 χ^2/NDF: 112244.0/25

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.933+/-0.228 χ^2/NDF: 325321.5/46

All: 1787.509+/-0.160 χ^2/NDF: 464512.9/95

- sign 1790.046+/-0.226 χ^2/NDF: 138937.2/48



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: -1007.234+/-376.510 χ^2/NDF: 12.6/25

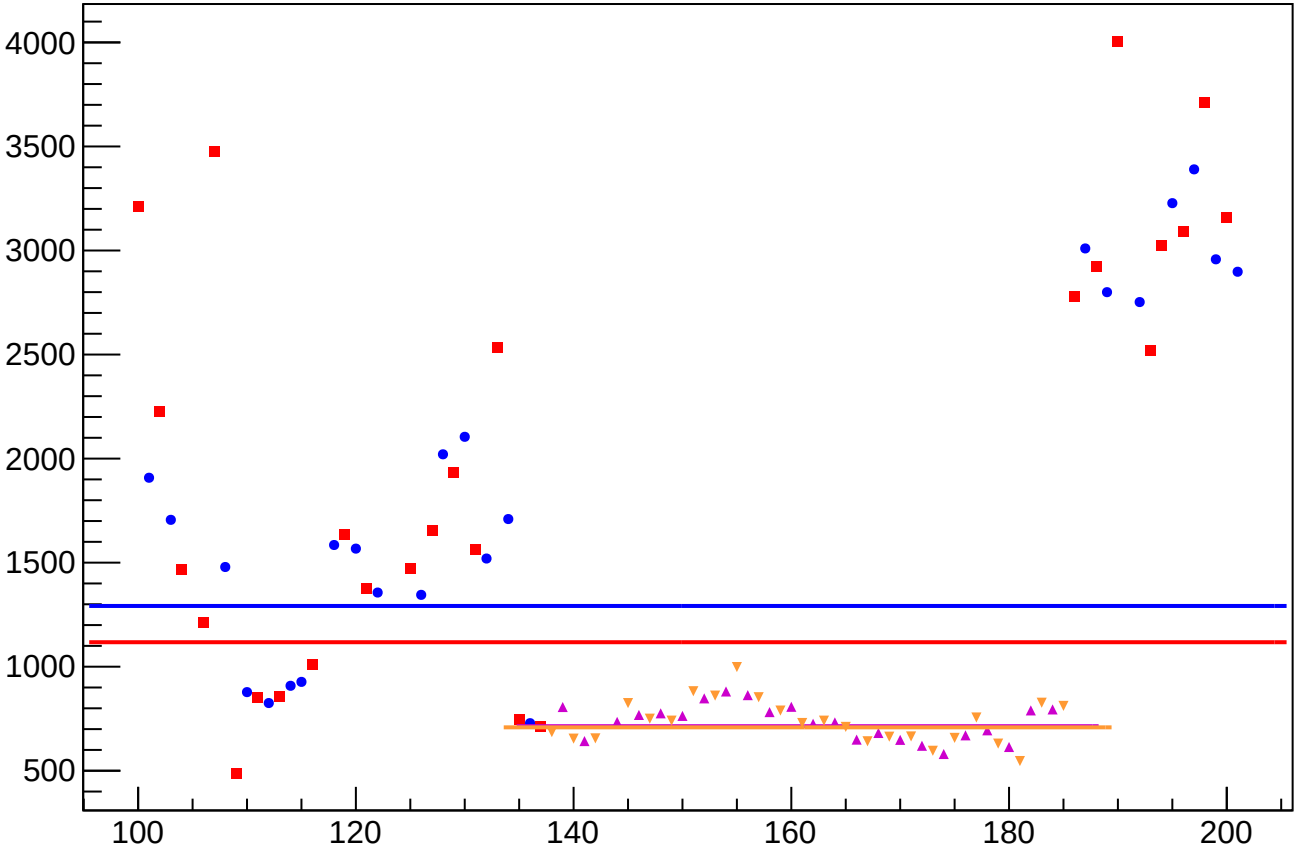
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -659.406+/-154.730 χ^2/NDF: 94.6/46

All: -508.638+/-109.032 χ^2/NDF: 132.6/95

- sign -359.939+/-153.664 χ^2/NDF: 36.1/48

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: 1117.603+/-0.266 χ^2/NDF: 8282665.8/25

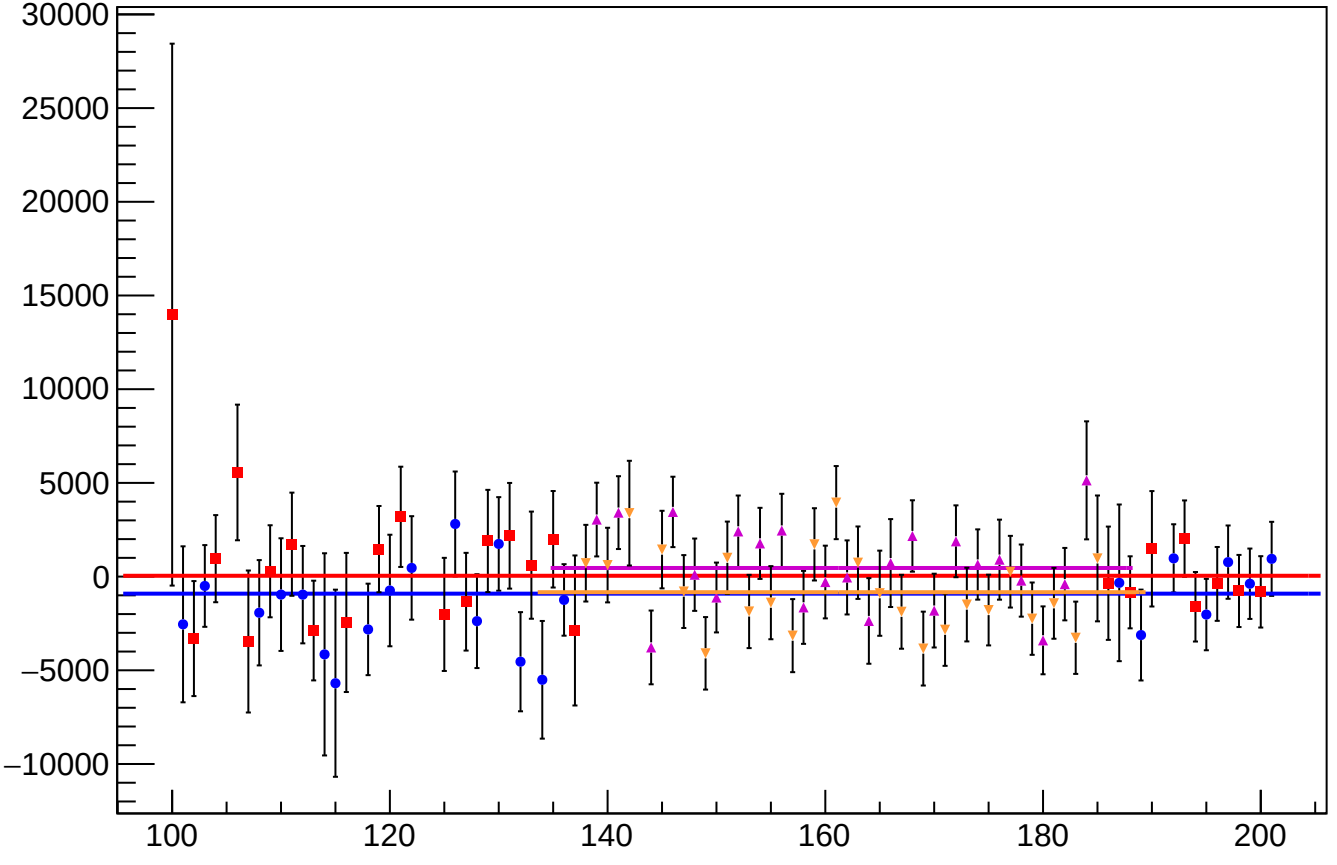
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 787.771+/-0.109 χ^2/NDF: 9581909.6/46

All: 784.547+/-0.077 χ^2/NDF: 20277342.5/95

- sign 781.367+/-0.109 χ^2/NDF: 10693708.4/48

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: 44.025+/-502.806 χ^2/NDF: 14.8/25

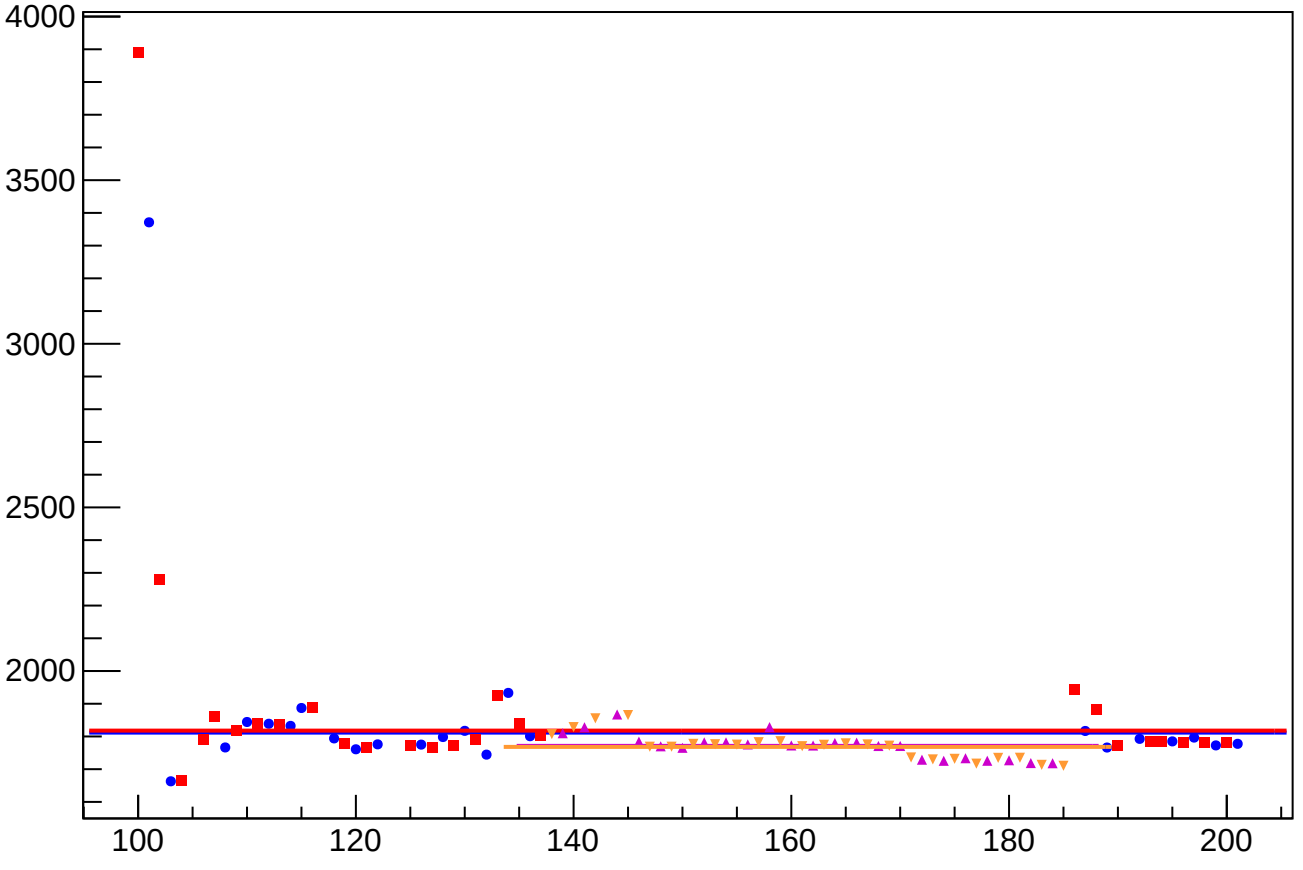
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -862.452+/-321.937 χ^2/NDF: 39.2/46

All: -280.805+/-226.754 χ^2/NDF: 88.1/95

- sign 291.840+/-319.436 χ^2/NDF: 42.5/48

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

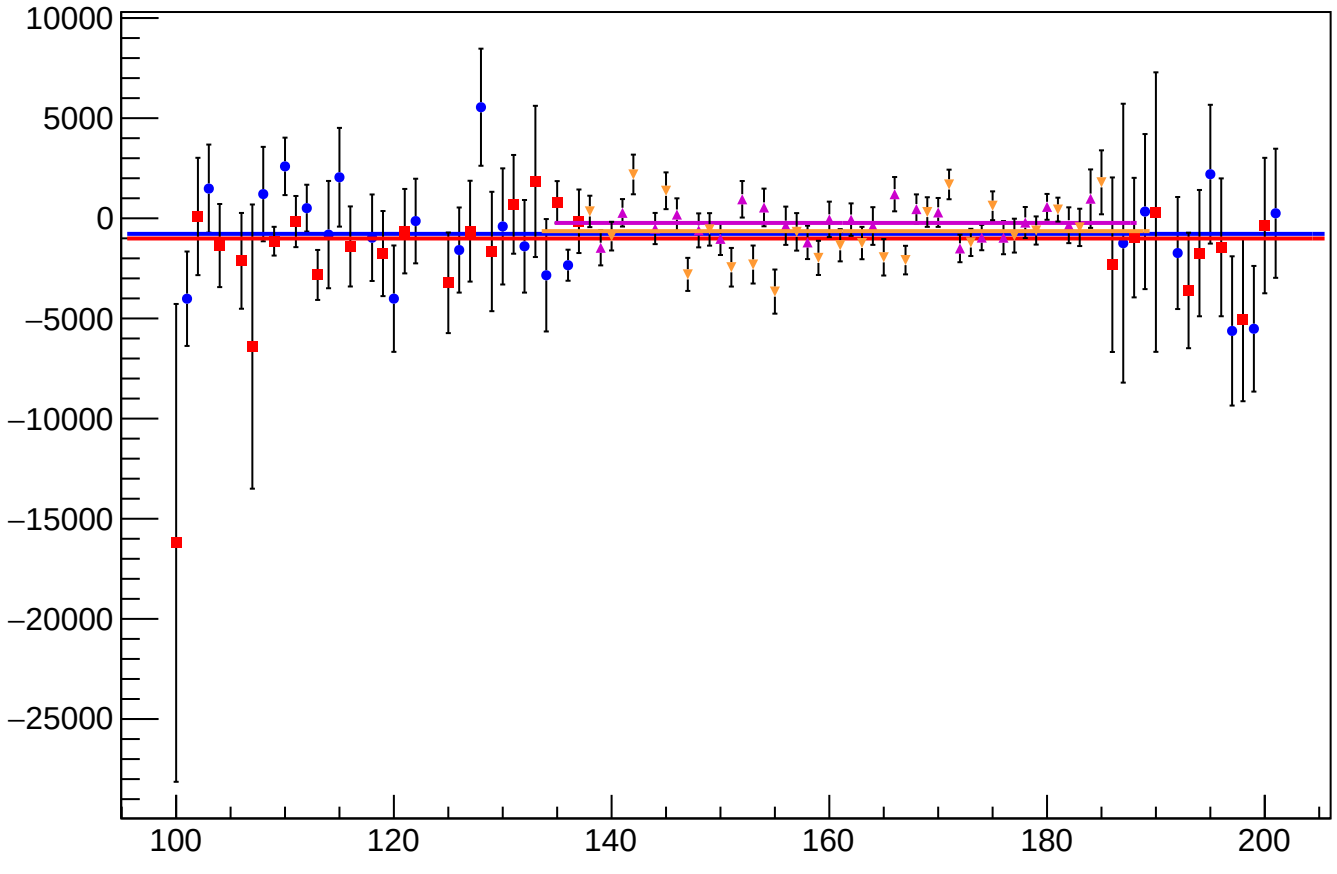
Right Out: 1817.868+/-0.356 χ^2/NDF: 112244.0/25

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.933+/-0.228 χ^2/NDF: 325321.5/46

All: 1787.509+/-0.160 χ^2/NDF: 464512.9/95

- sign 1790.046+/-0.226 χ^2/NDF: 138937.2/48



Right In: -776.440+/-419.765 χ^2/NDF: 27.8/22

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

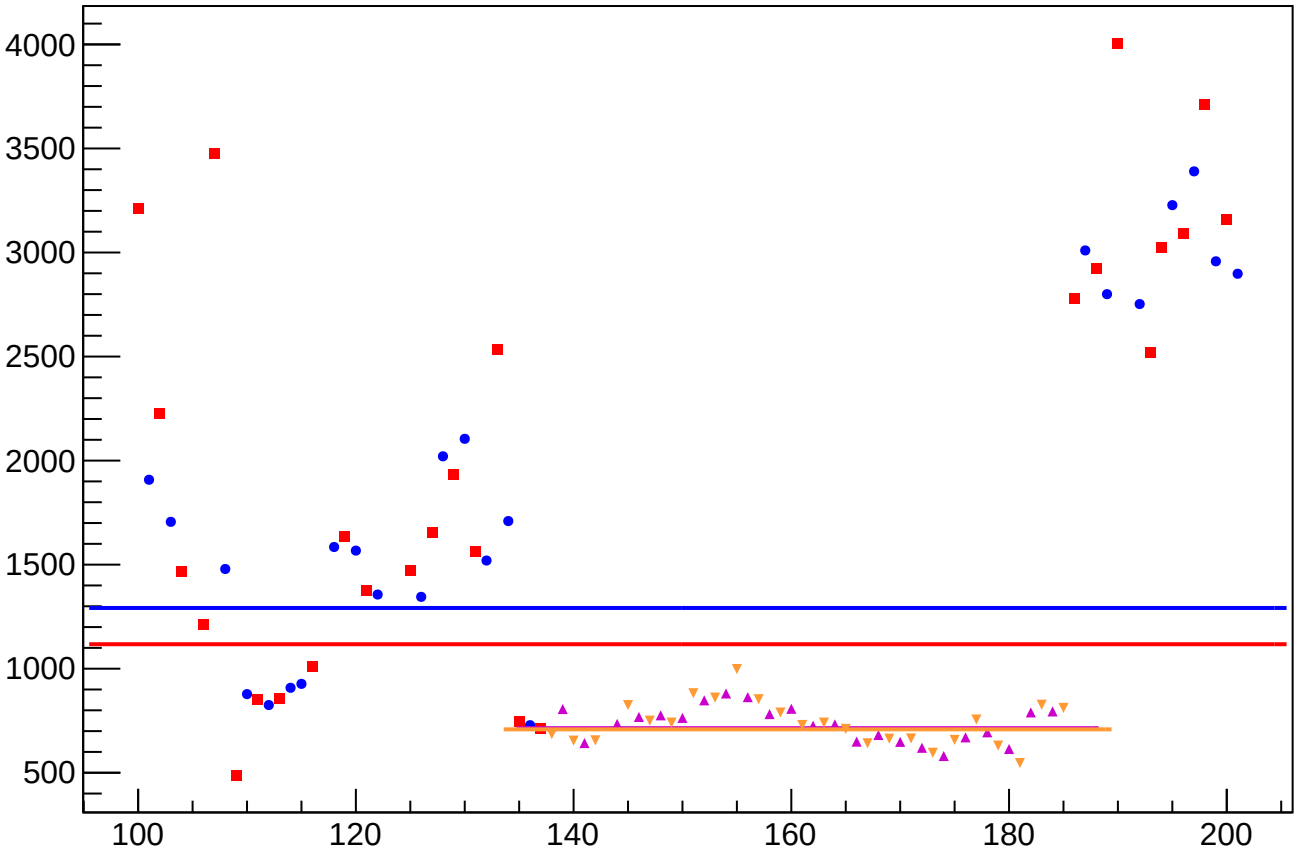
Right Out: -1007.234+/-376.510 χ^2/NDF: 12.6/25

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -659.406+/-154.730 χ^2/NDF: 94.6/46

All: -508.638+/-109.032 χ^2/NDF: 132.6/95

- sign -359.939+/-153.664 χ^2/NDF: 36.1/48



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: 1117.603+/-0.266 χ^2/NDF: 8282665.8/25

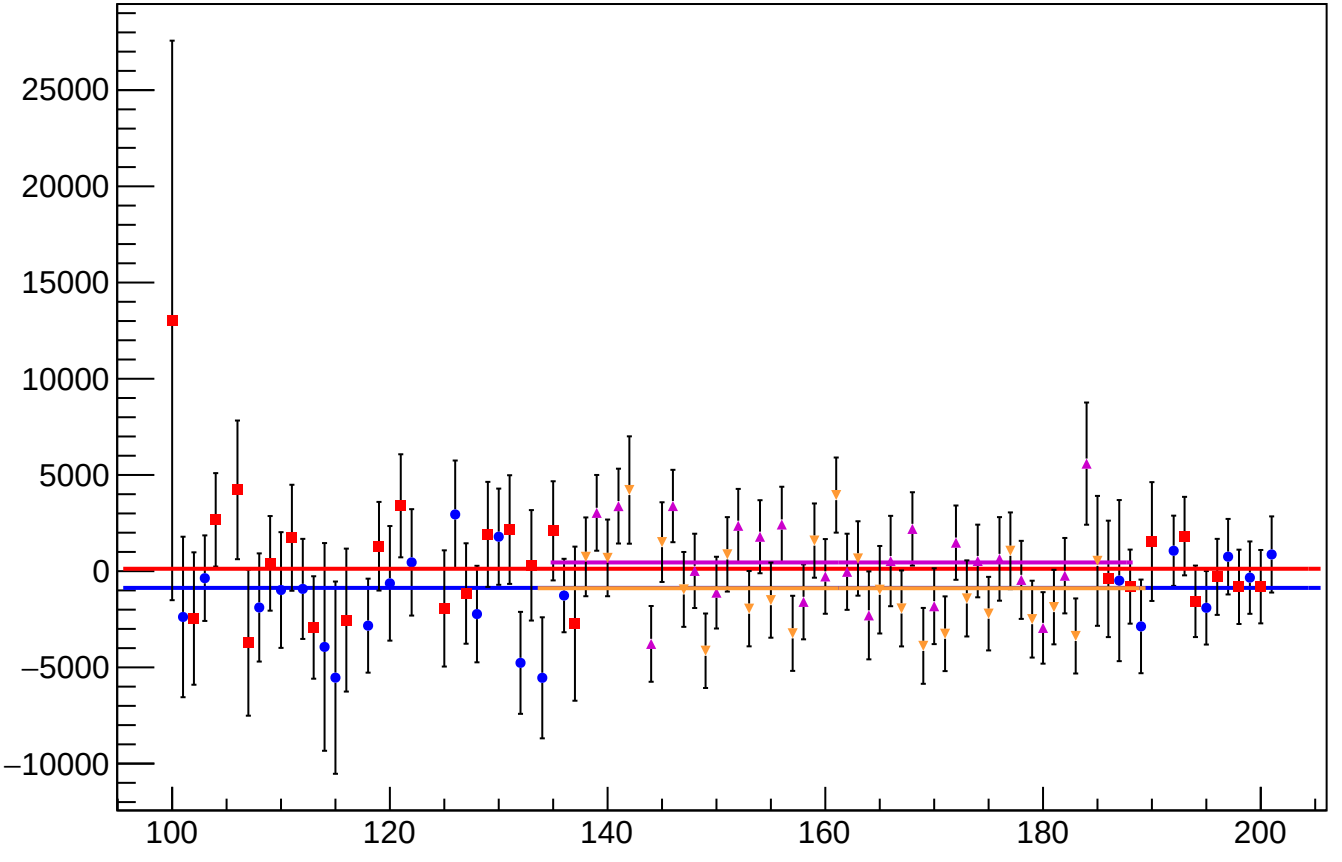
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 787.771+/-0.109 χ^2/NDF: 9581909.6/46

All: 784.547+/-0.077 χ^2/NDF: 20277342.5/95

- sign 781.367+/-0.109 χ^2/NDF: 10693708.4/48

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: 124.959+/-505.848 χ^2/NDF: 14.0/25

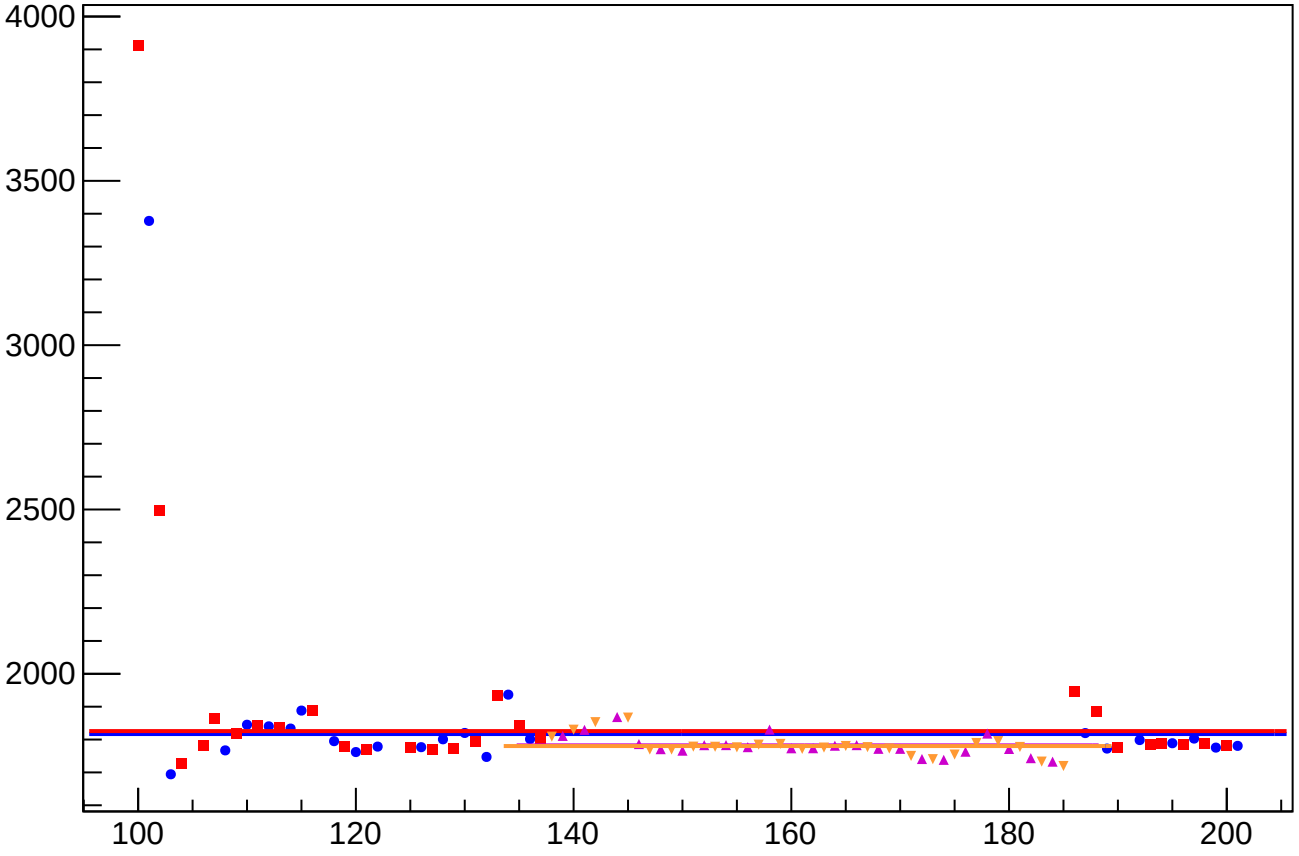
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -879.697+/-323.609 χ^2/NDF: 41.9/46

All: -275.373+/-228.040 χ^2/NDF: 88.8/95

- sign 320.716+/-321.396 χ^2/NDF: 40.0/48

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

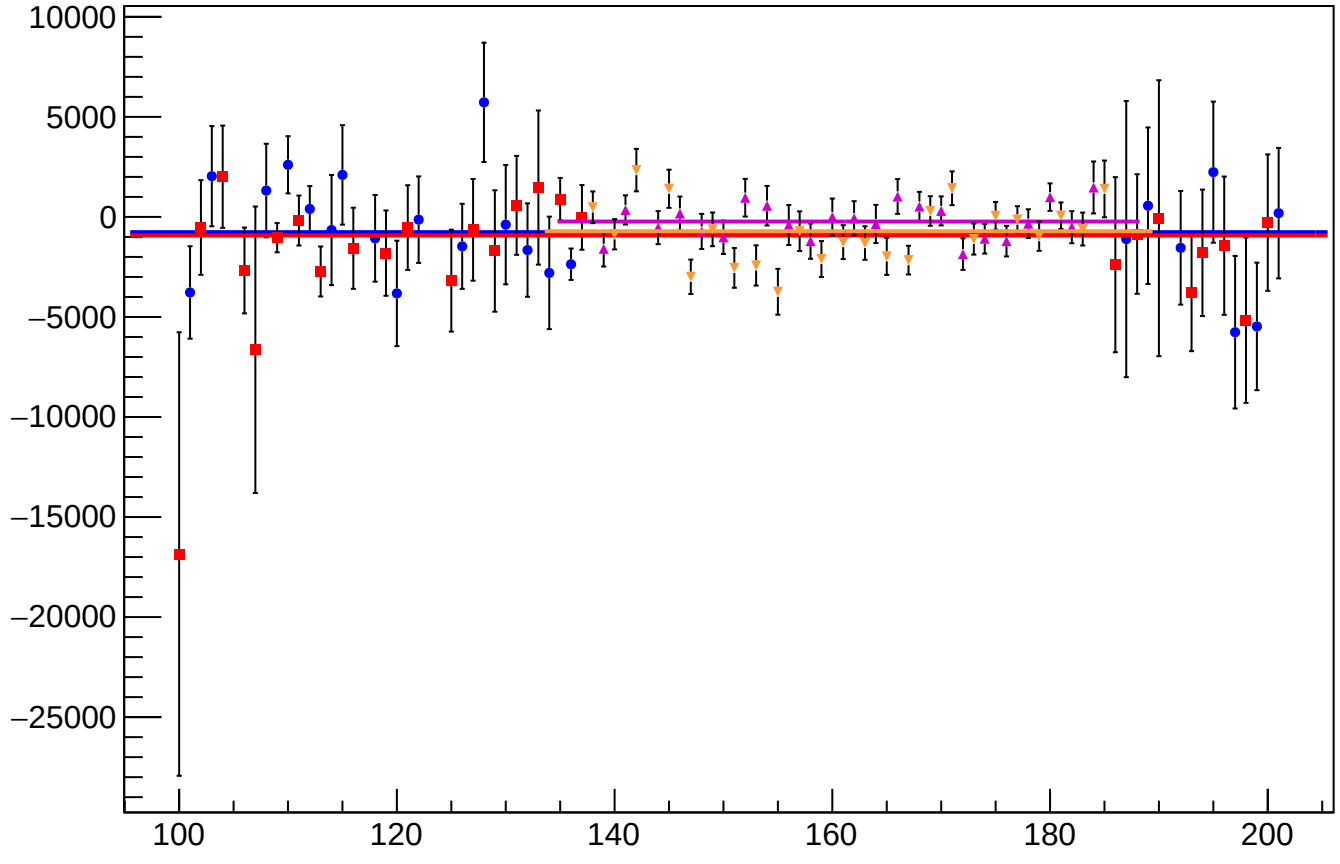
Right Out: 1825.719+/-0.358 χ^2/NDF: 138760.9/25

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1794.342+/-0.229 χ^2/NDF: 313338.0/46

All: 1797.103+/-0.161 χ^2/NDF: 472407.6/95

- sign 1799.826+/-0.227 χ^2/NDF: 158780.4/48



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: -923.899+/-378.794 χ^2/NDF: 14.6/25

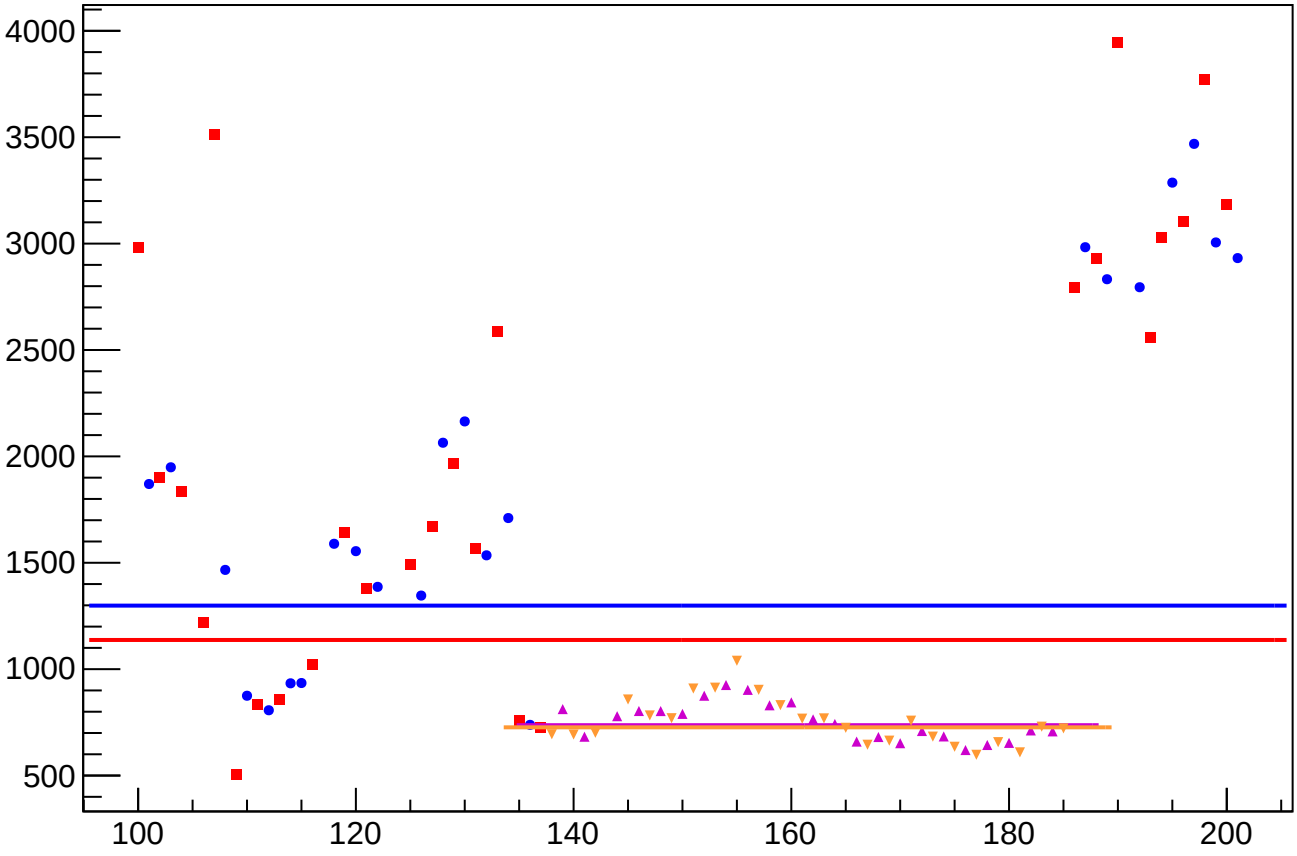
Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -722.929+/-158.233 χ^2/NDF: 87.1/46

All: -536.502+/-111.696 χ^2/NDF: 131.3/95

- sign -351.348+/-157.692 χ^2/NDF: 41.5/48

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1298.651+/-0.299 χ^2/NDF: 5674836.2/22

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

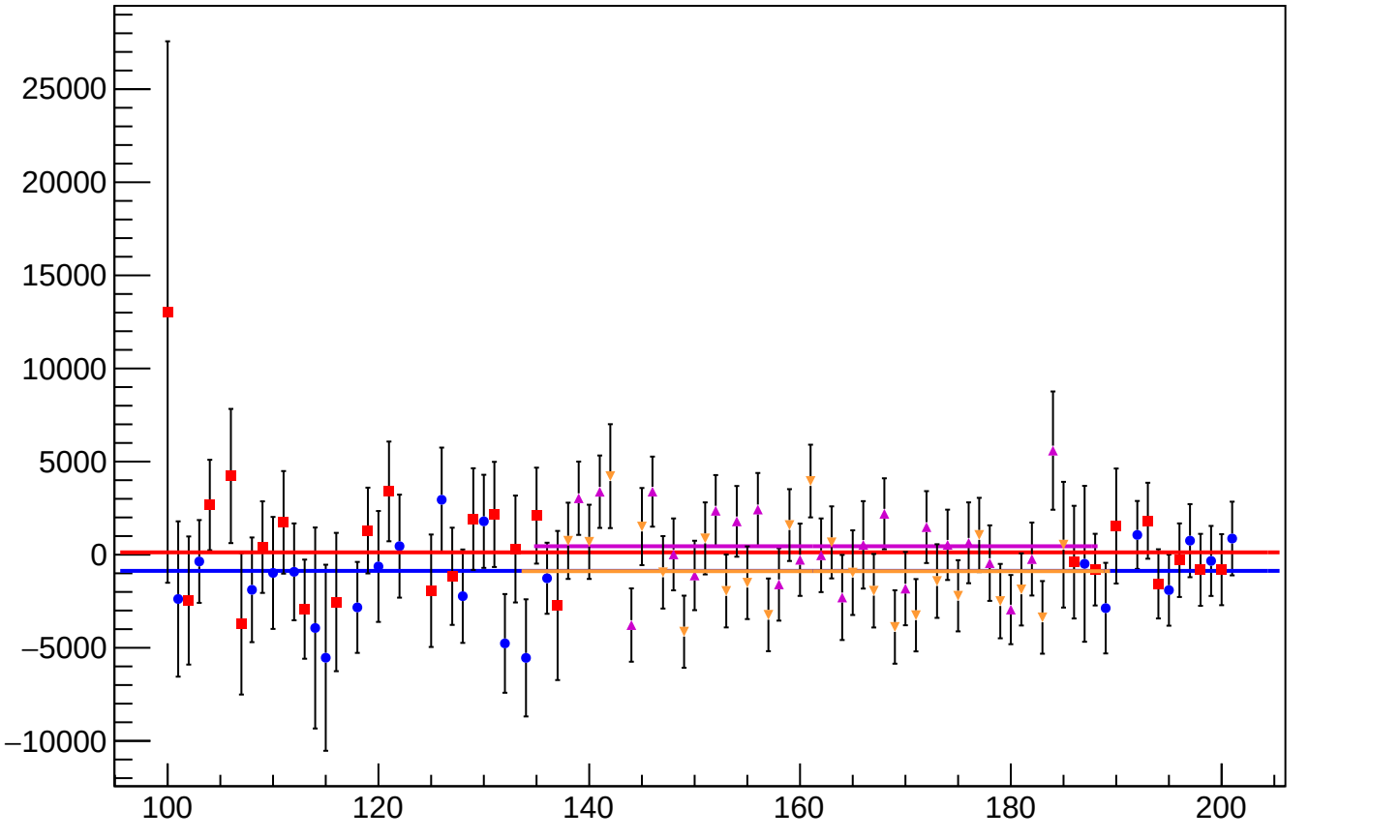
Right Out: 1137.201+/-0.268 χ^2/NDF: 8210895.8/25

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 806.547+/-0.112 χ^2/NDF: 9502085.7/46

All: 806.331+/-0.079 χ^2/NDF: 20026255.8/95

- sign 806.117+/-0.112 χ^2/NDF: 10524162.8/48



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: 124.960+/-505.848 χ^2/NDF: 14.0/25

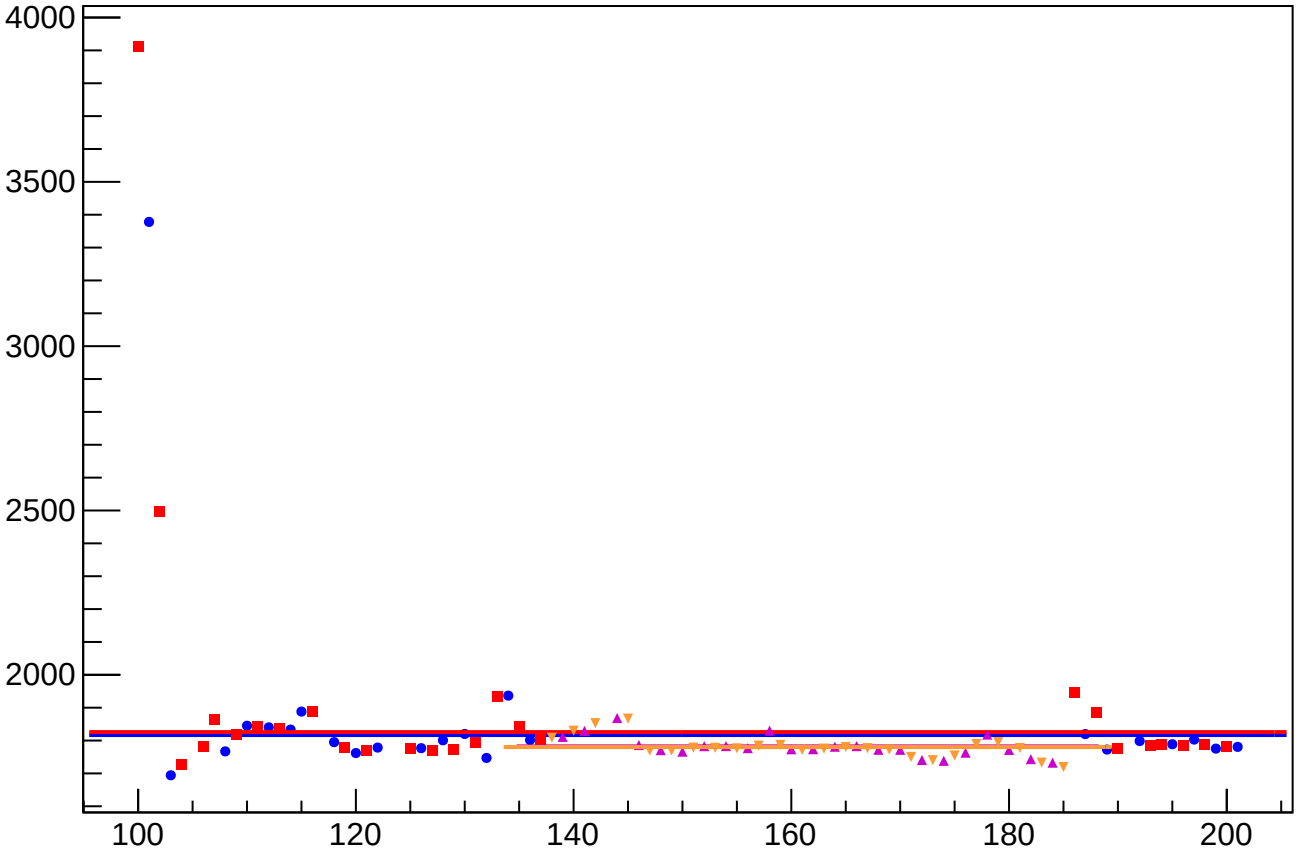
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -879.697+/-323.609 χ^2/NDF: 41.9/46

All: -275.373+/-228.040 χ^2/NDF: 88.8/95

- sign 320.716+/-321.396 χ^2/NDF: 40.0/48

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

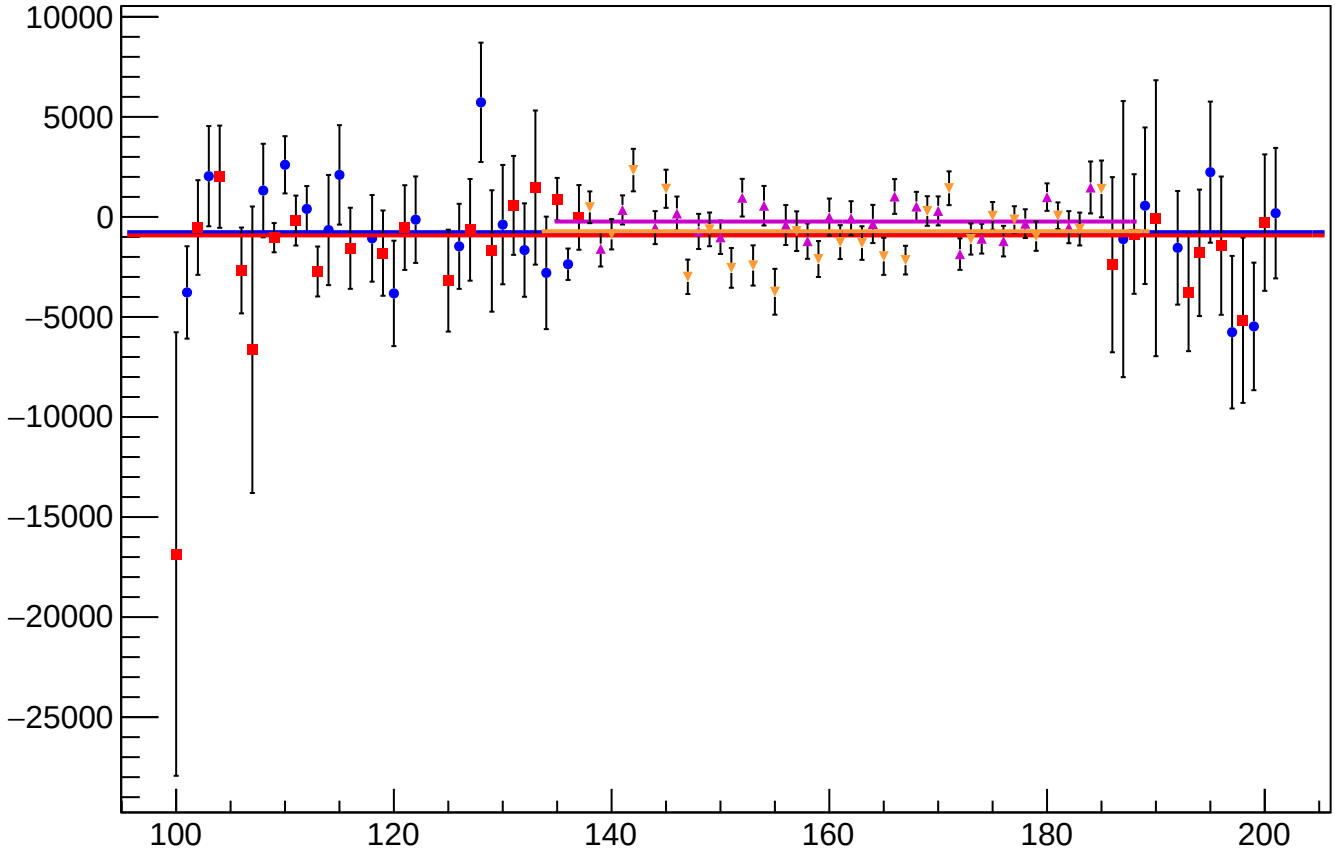
Right Out: 1825.719+/-0.358 χ^2/NDF: 138761.0/25

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1794.342+/-0.229 χ^2/NDF: 313338.1/46

All: 1797.103+/-0.161 χ^2/NDF: 472407.7/95

- sign 1799.826+/-0.227 χ^2/NDF: 158780.5/48



Right In: -761.877+/-423.276 χ^2/NDF: 27.7/22

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

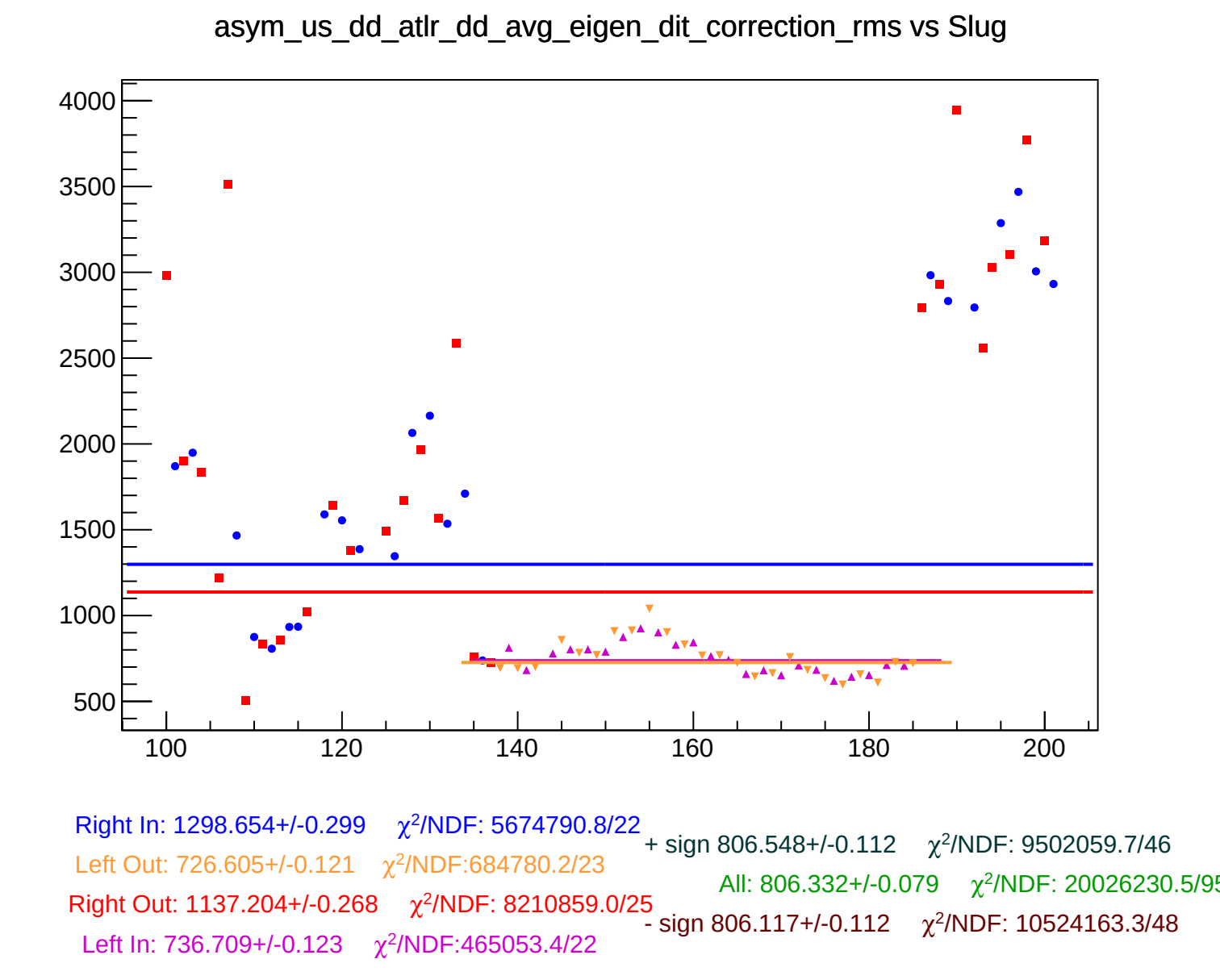
Right Out: -923.906+/-378.795 χ^2/NDF: 14.6/25

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -722.928+/-158.233 χ^2/NDF: 87.1/46

All: -536.501+/-111.696 χ^2/NDF: 131.3/95

- sign -351.348+/-157.692 χ^2/NDF: 41.5/48


asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug
4000
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1500
1000
500
100
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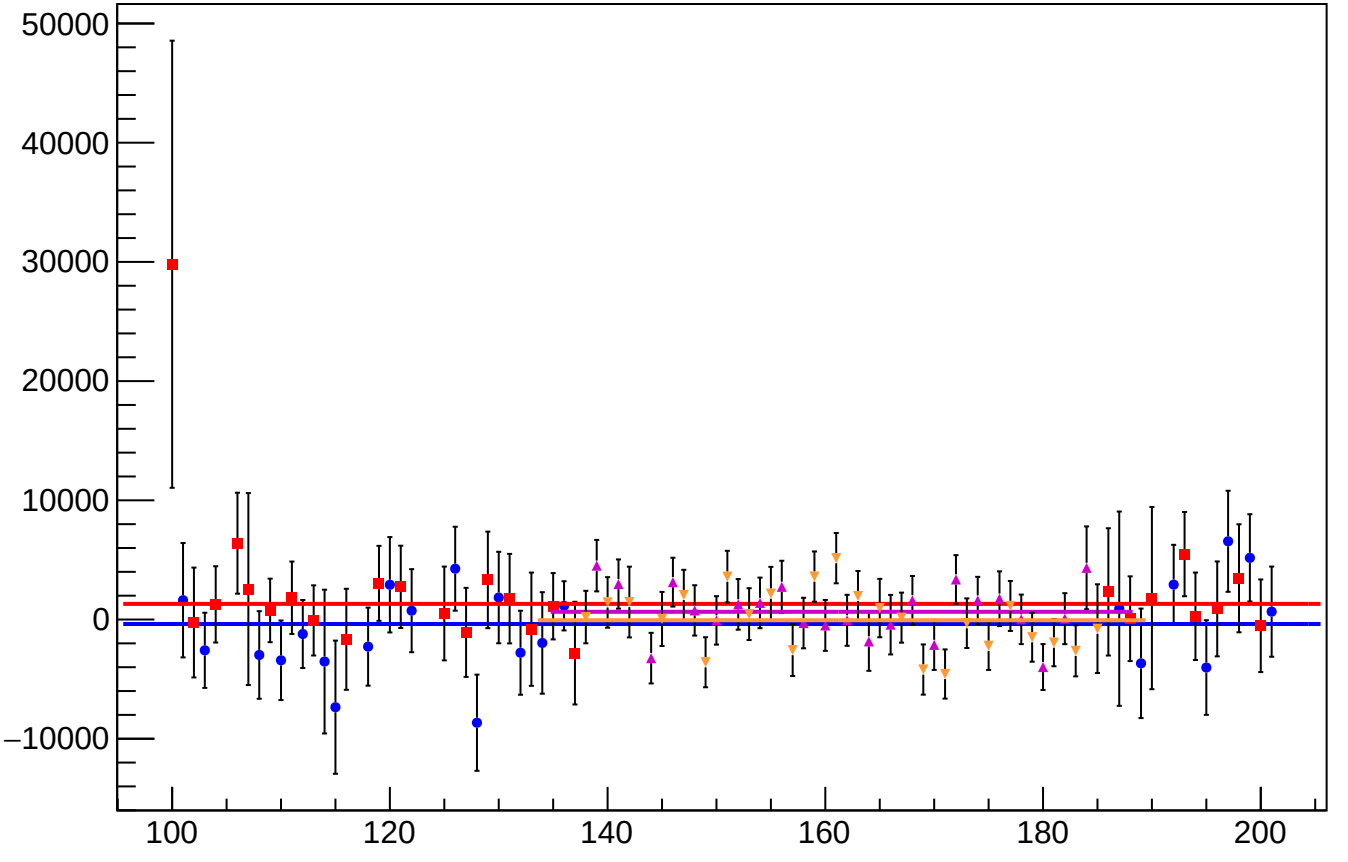
160
180
200
Right In: 1298.654+/-0.299 χ²/NDF: 5674790.8/22
Left Out: 726.605+/-0.121 χ²/NDF:684780.2/23
Right Out: 1137.204+/-0.268 χ²/NDF: 8210859.0/25
Left In: 736.709+/-0.123 χ²/NDF:465053.4/22
+ sign 806.548+/-0.112 χ²/NDF: 9502059.7/46
All: 806.332+/-0.079 χ²/NDF: 20026230.5/95
- sign 806.117+/-0.112 χ²/NDF: 10524163.3/48

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: 1312.307+/-748.731 χ^2/NDF: 9.1/25

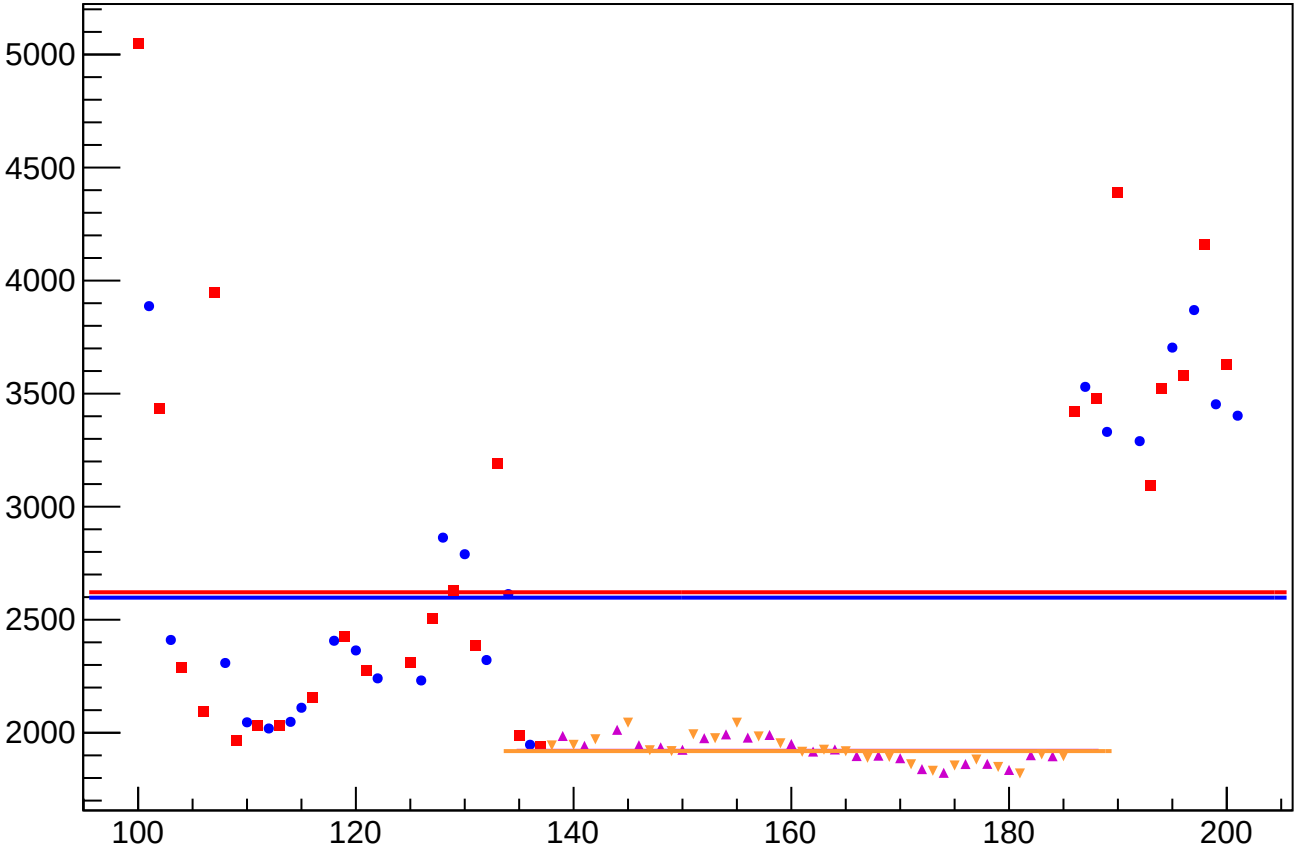
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -140.467+/-384.570 χ^2/NDF: 53.0/46

All: 340.828+/-272.005 χ^2/NDF: 89.5/95

- sign 822.641+/-384.777 χ^2/NDF: 33.3/48

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

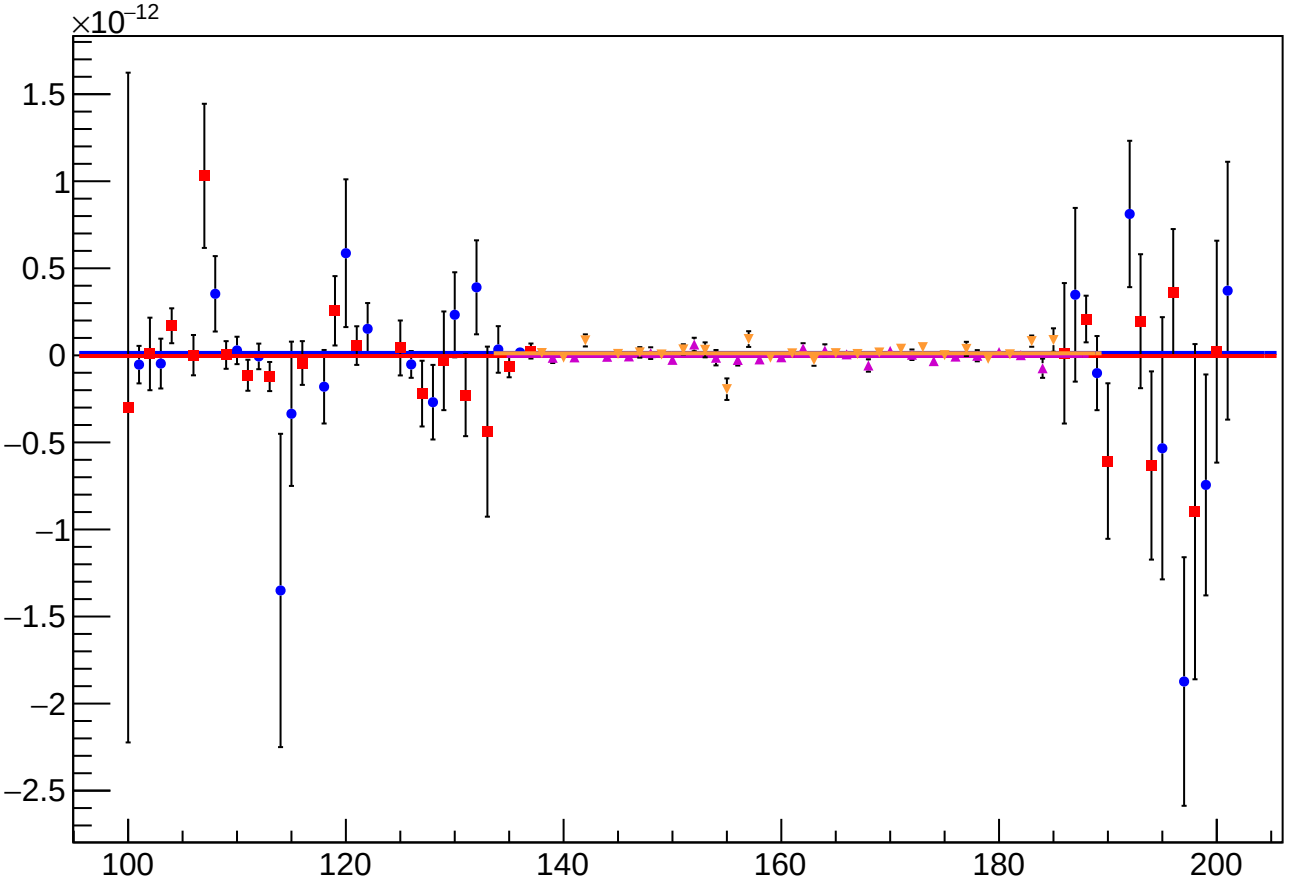
Right Out: 2621.508+/-0.529 χ^2/NDF: 1643461.6/25

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2092.173+/-0.272 χ^2/NDF: 2531843.2/46

All: 2098.797+/-0.192 χ^2/NDF: 5497629.7/95

- sign 2105.427+/-0.272 χ^2/NDF: 2964599.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 28.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

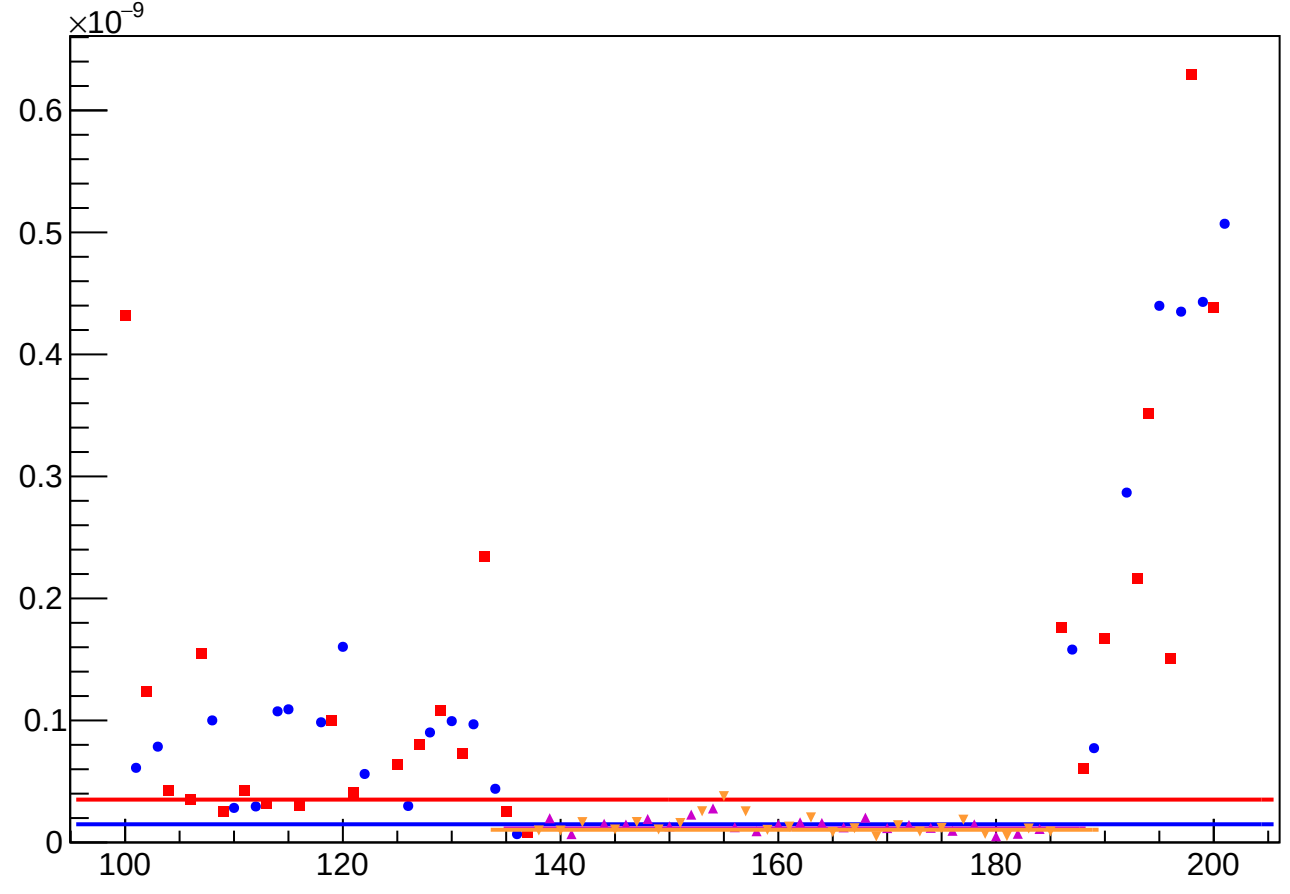
Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/25

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: 118.8/95

- sign -0.000+/-0.000 χ^2/NDF: 47.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 7732548.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

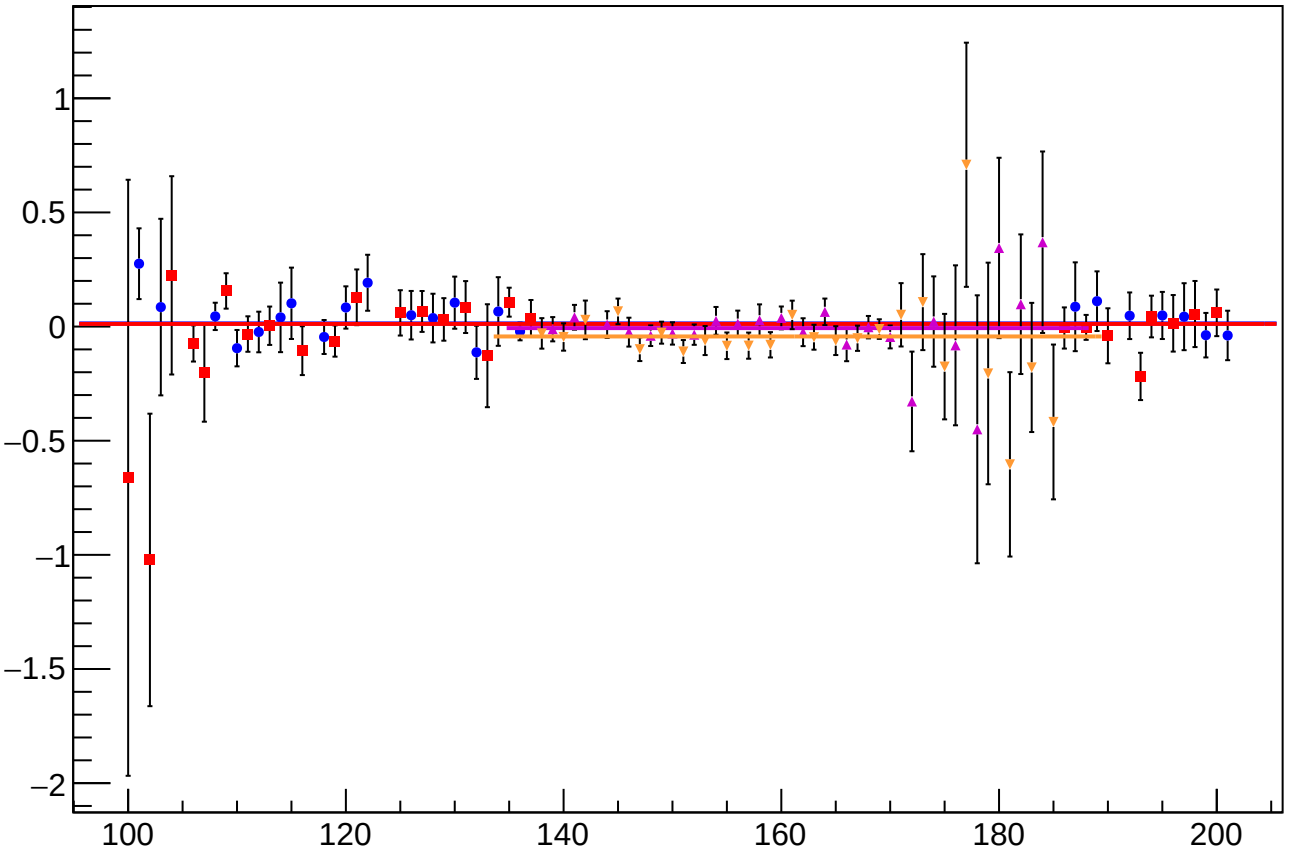
Right Out: 0.000+/-0.000 χ^2/NDF: 5807661.8/25

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: 19752724.1/95

- sign 0.000+/-0.000 χ^2/NDF: 9639510.8/48



Right In: 0.014+/-0.020 χ^2/NDF: 13.2/22

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

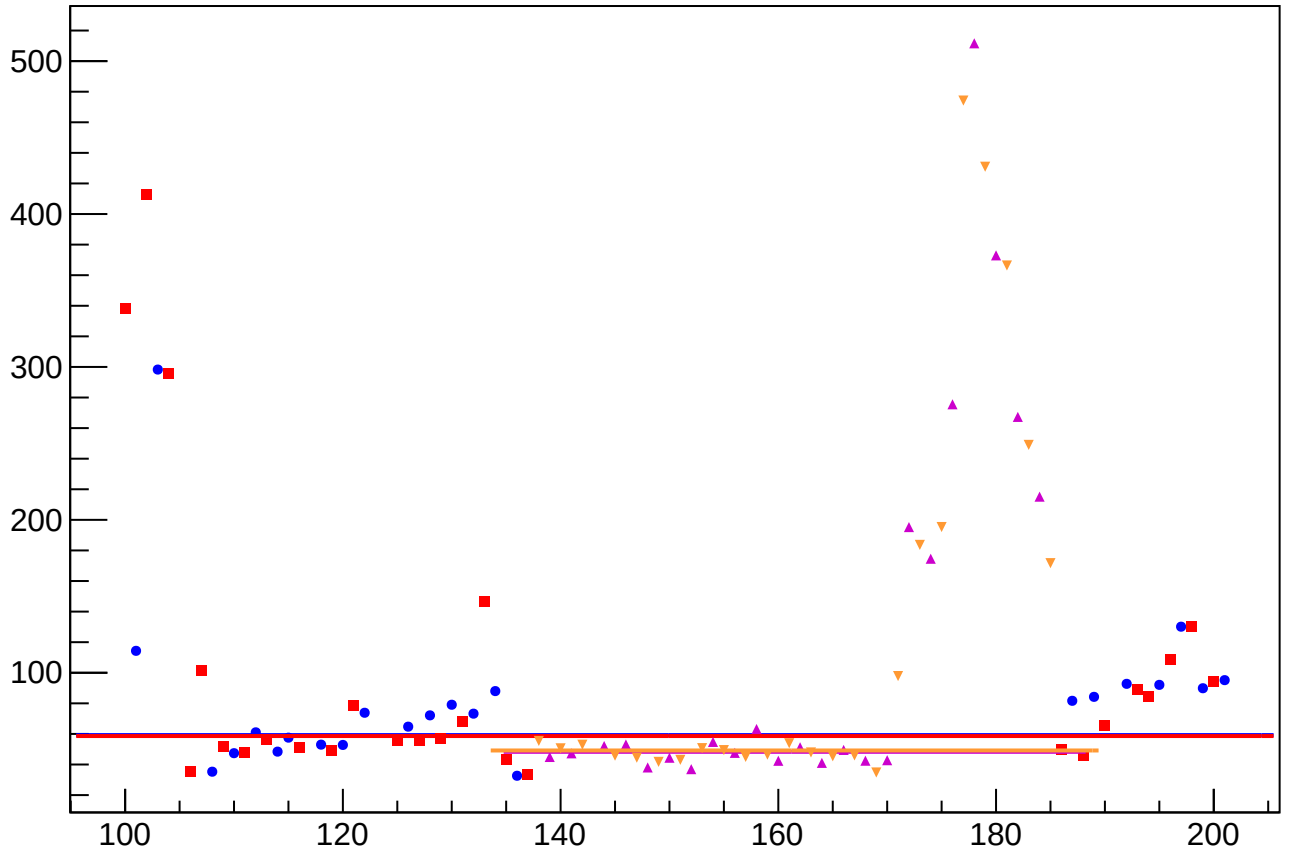
Right Out: 0.012+/-0.019 χ^2/NDF: 21.9/25

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/46

All: -0.012+/-0.008 χ^2/NDF: 73.8/95

- sign -0.000+/-0.011 χ^2/NDF: 33.8/48



Right In: 59.230+/-0.014 χ^2/NDF: 3978345.6/22

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

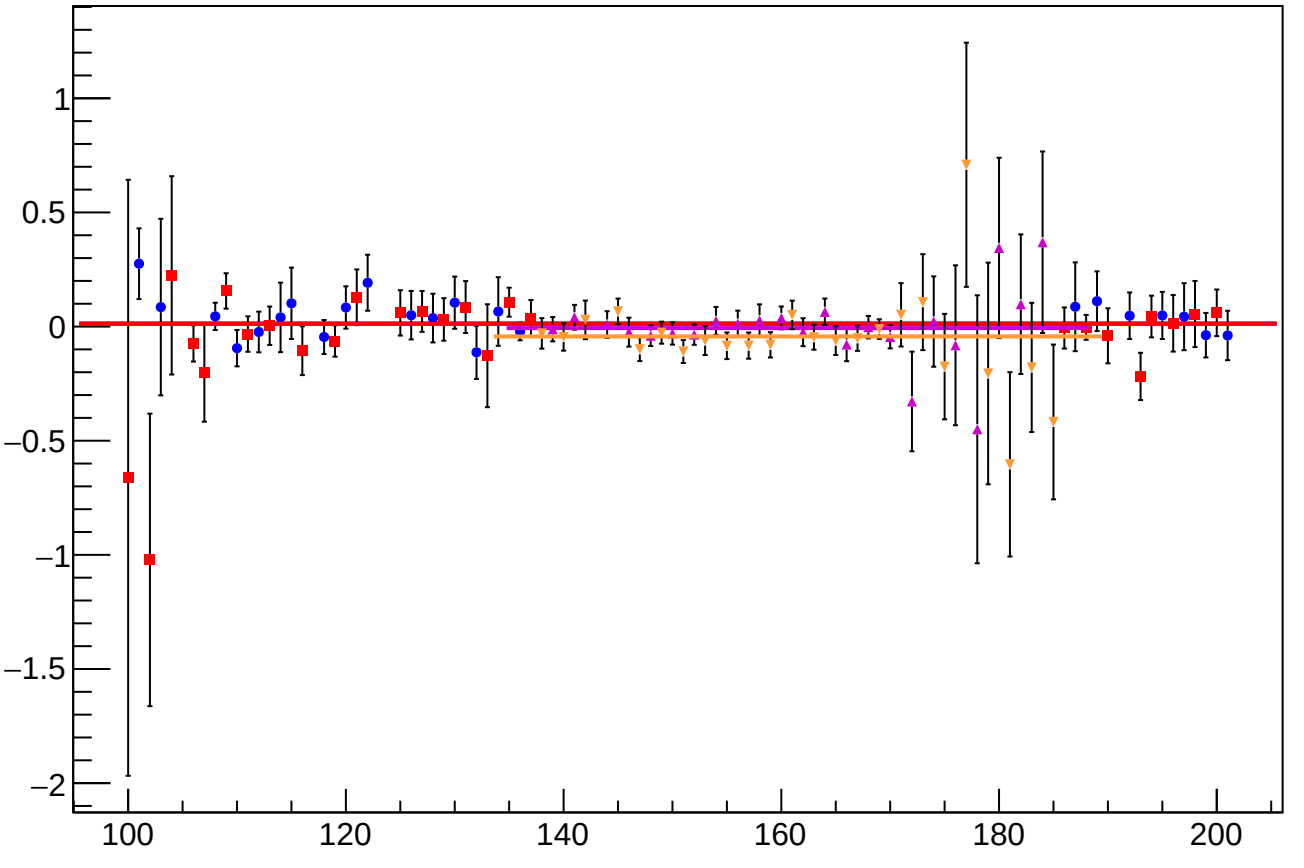
Right Out: 58.617+/-0.013 χ^2/NDF: 3869056.5/25

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 52.544+/-0.008 χ^2/NDF: 11578082.2/46

All: 52.168+/-0.006 χ^2/NDF: 22887732.0/95

\- sign 51.815+/-0.008 χ^2/NDF: 11305393.2/48



Right In: 0.014+/-0.020 χ^2/NDF: 13.2/22

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

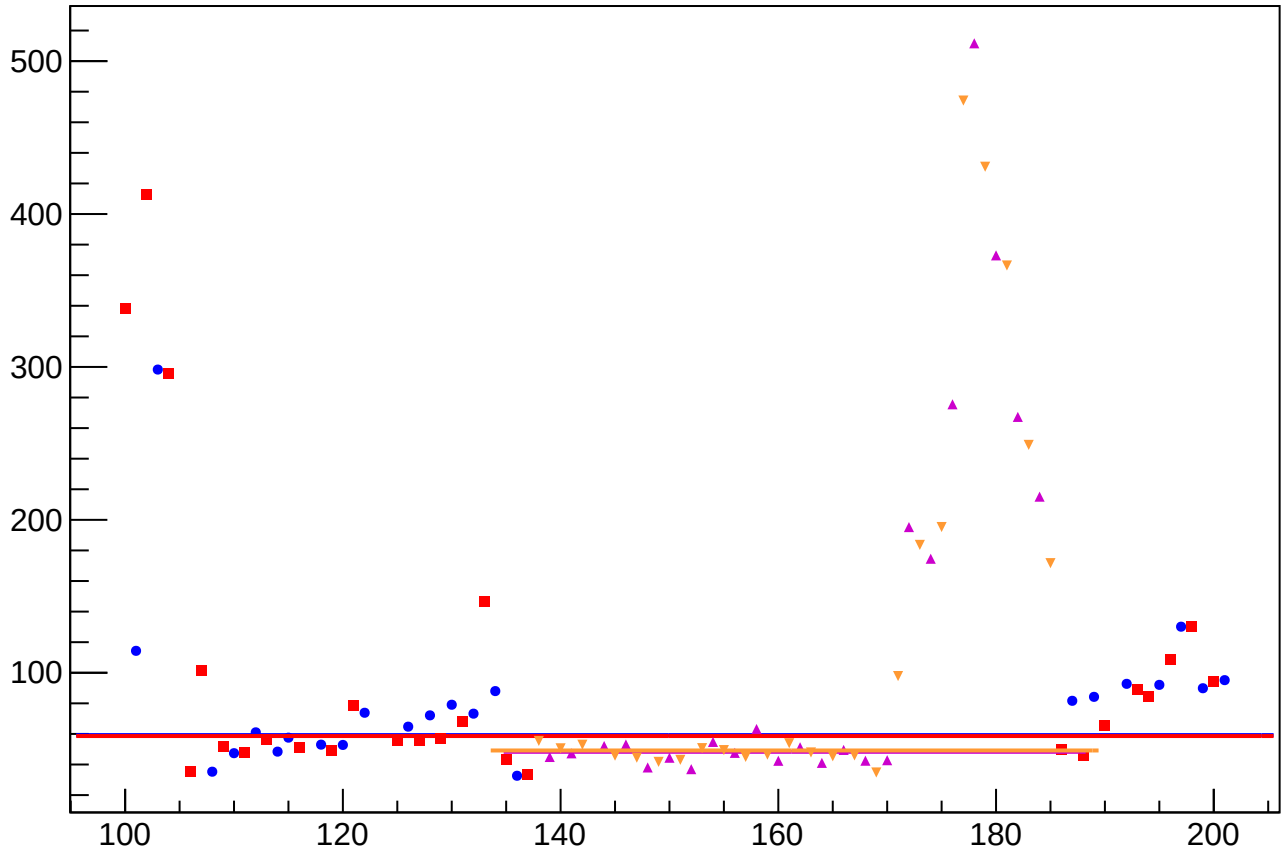
Right Out: 0.012+/-0.019 χ^2/NDF: 21.9/25

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/46

All: -0.012+/-0.008 χ^2/NDF: 73.8/95

- sign -0.000+/-0.011 χ^2/NDF: 33.8/48



Right In: 59.230+/-0.014 χ^2/NDF: 3978345.6/22

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

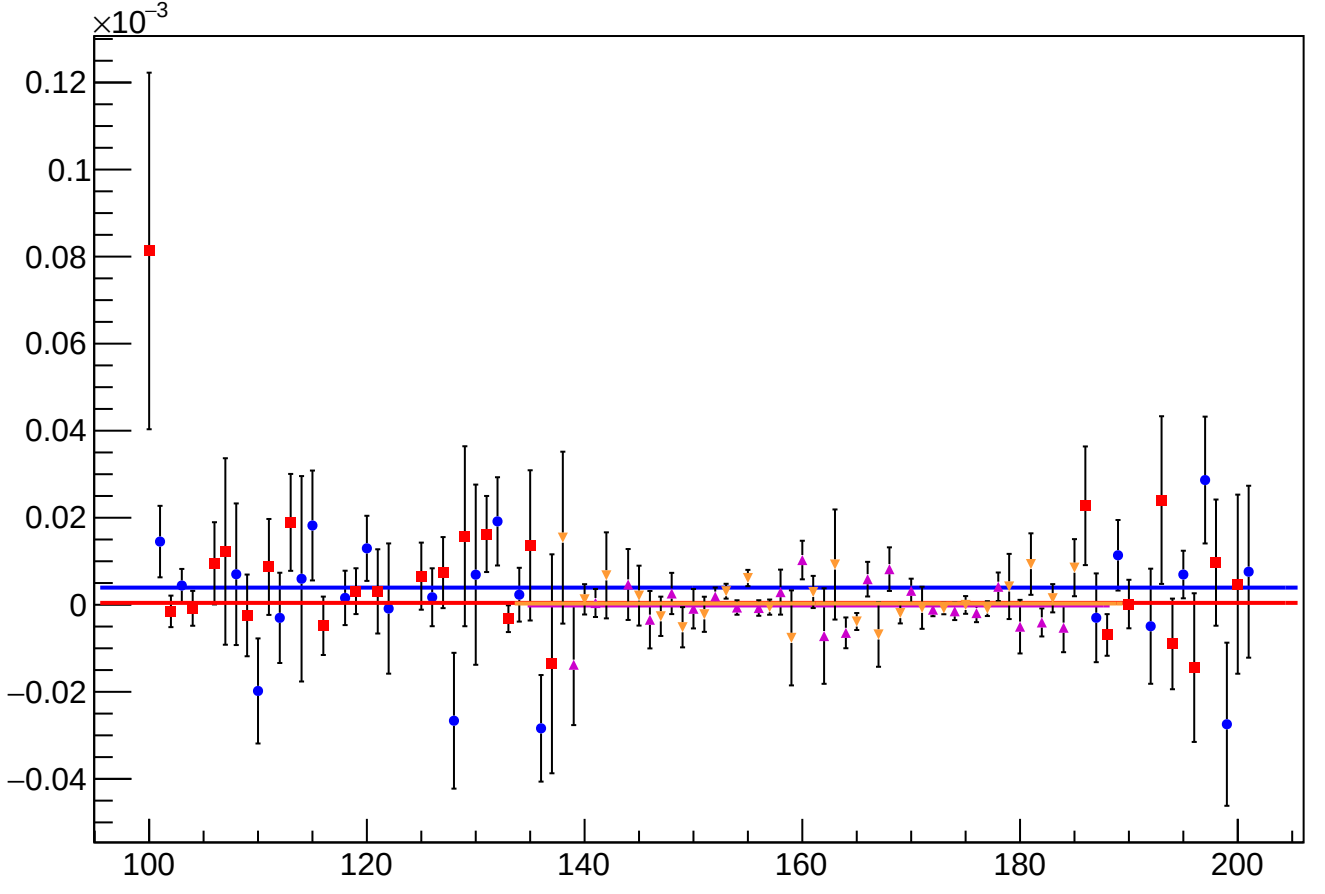
Right Out: 58.617+/-0.013 χ^2/NDF: 3869056.5/25

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 52.544+/-0.008 χ^2/NDF: 11578082.2/46

All: 52.168+/-0.006 χ^2/NDF: 22887732.0/95

- sign 51.815+/-0.008 χ^2/NDF: 11305393.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

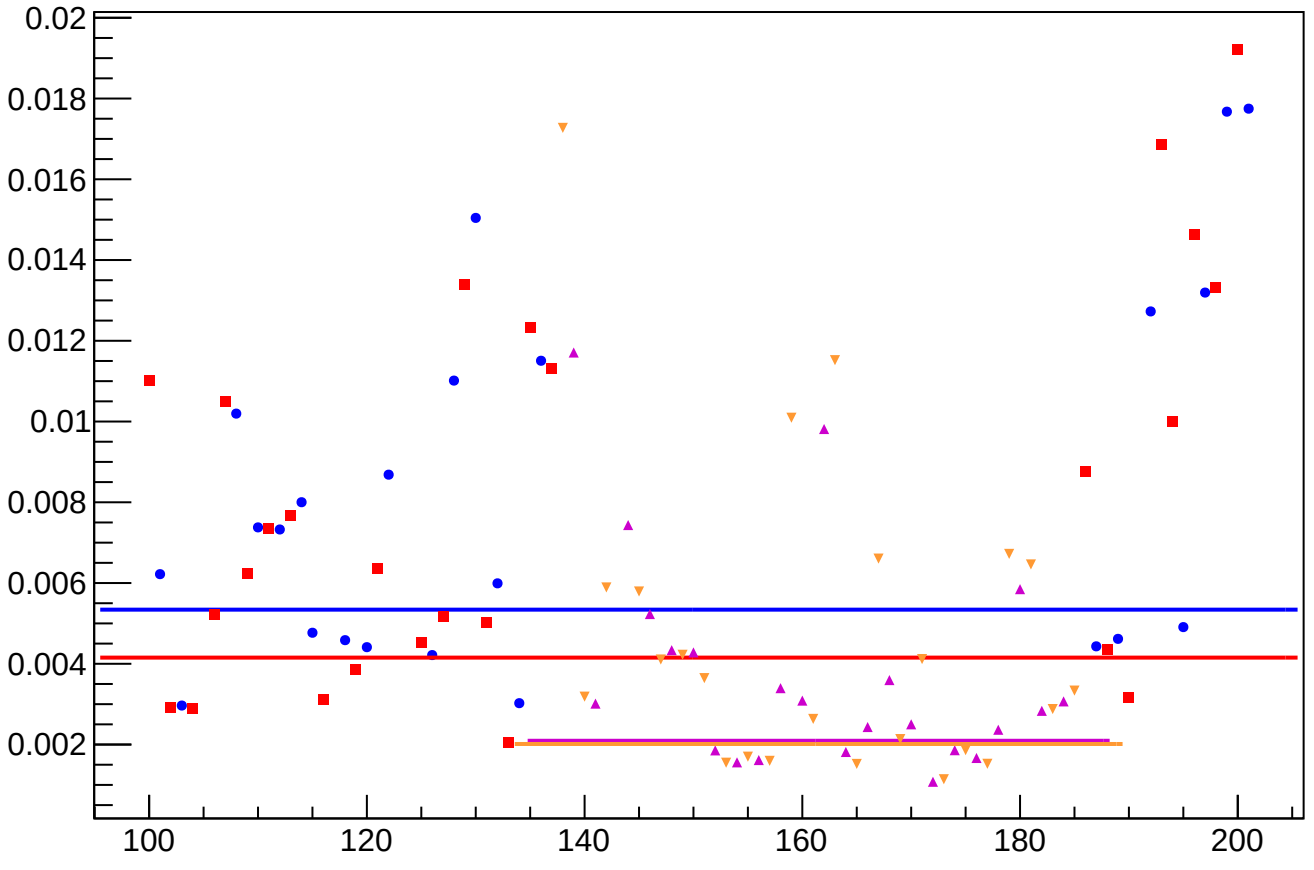
Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/25

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: 114.7/95

- sign -0.000+/-0.000 χ^2/NDF: 51.4/48



Right In: 0.005+/-0.000 χ^2/NDF: 5758525.9/22

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

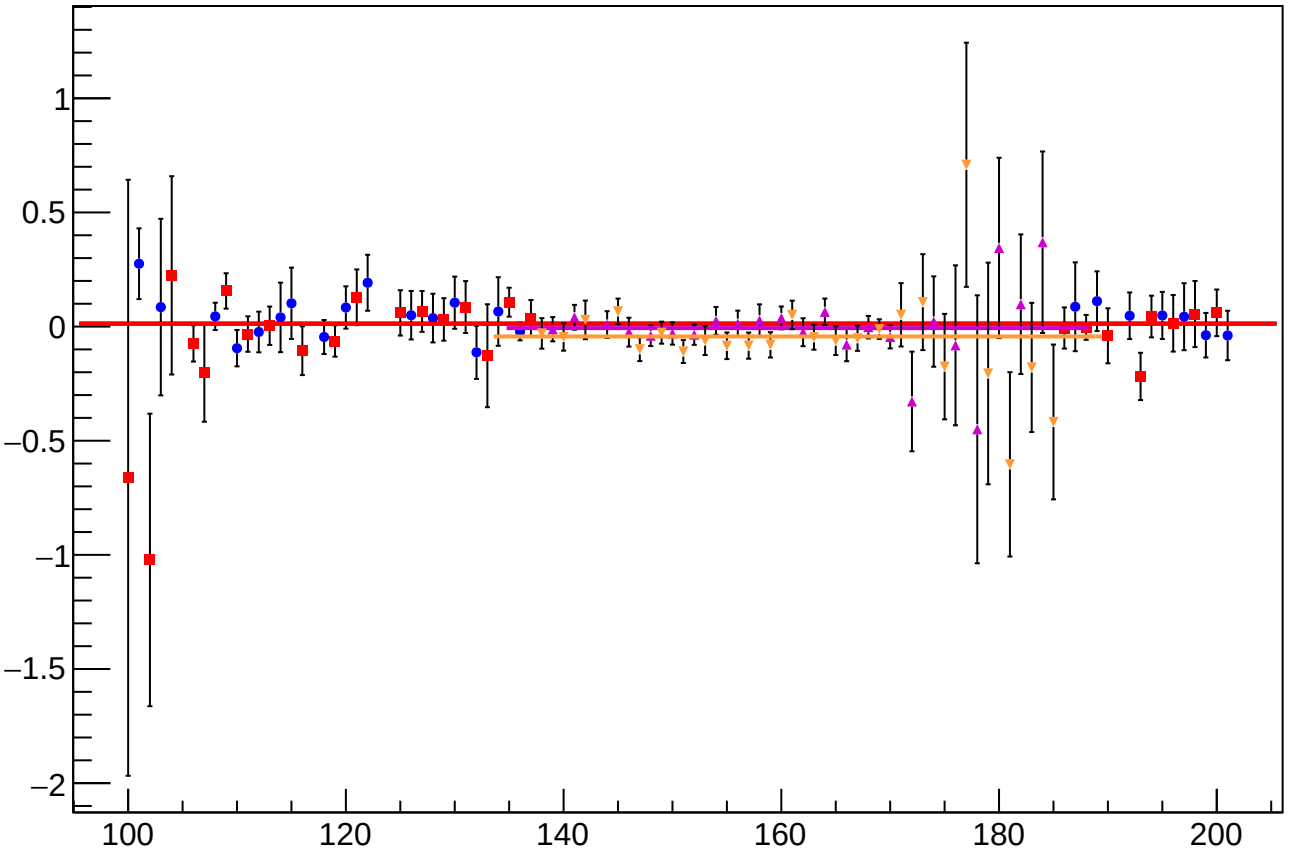
Right Out: 0.004+/-0.000 χ^2/NDF: 7733385.4/25

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: 40742418.5/95

- sign 0.002+/-0.000 χ^2/NDF: 18524269.2/48



Right In: 0.014+/-0.020 χ^2/NDF: 13.2/22

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

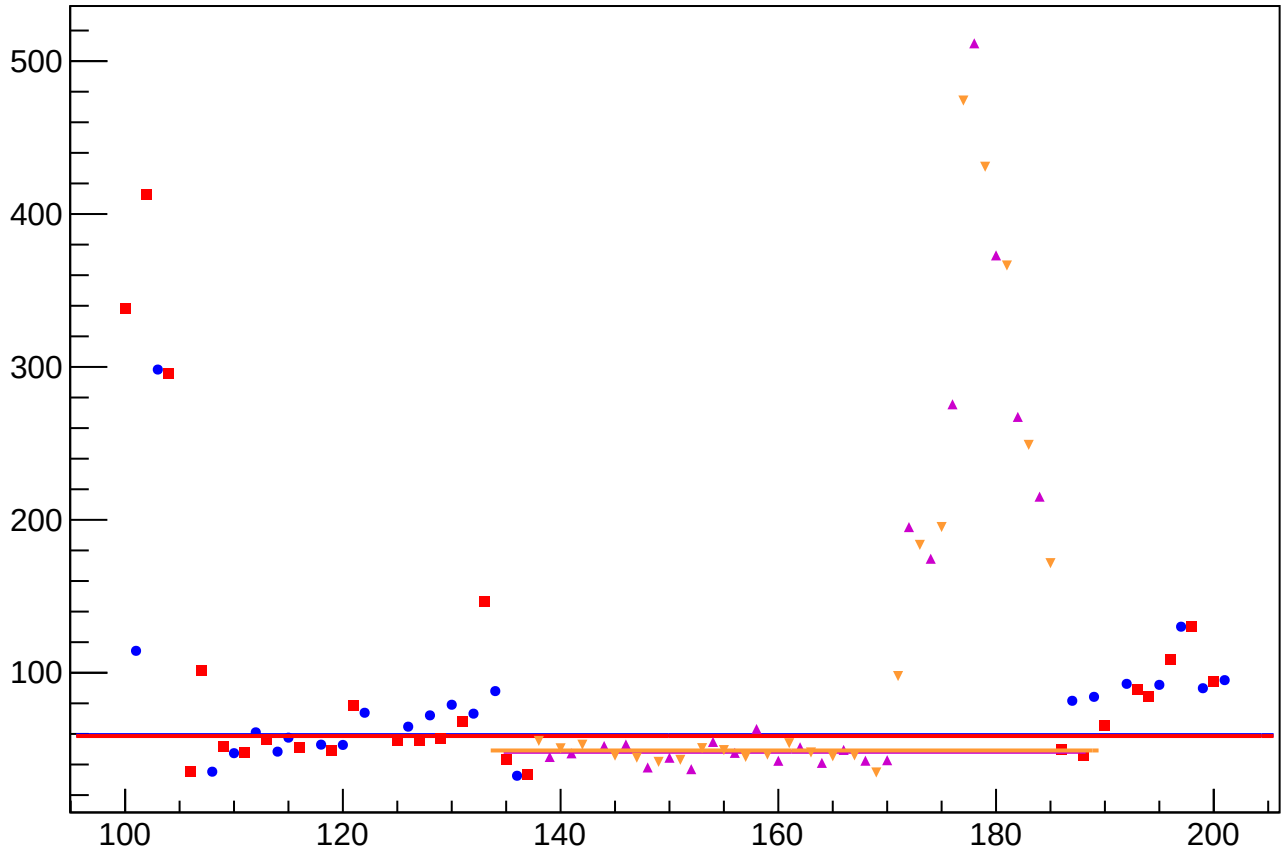
Right Out: 0.012+/-0.019 χ^2/NDF: 21.9/25

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/46

All: -0.012+/-0.008 χ^2/NDF: 73.8/95

- sign -0.000+/-0.011 χ^2/NDF: 33.8/48



Right In: 59.230+/-0.014 χ^2/NDF: 3978197.4/22

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

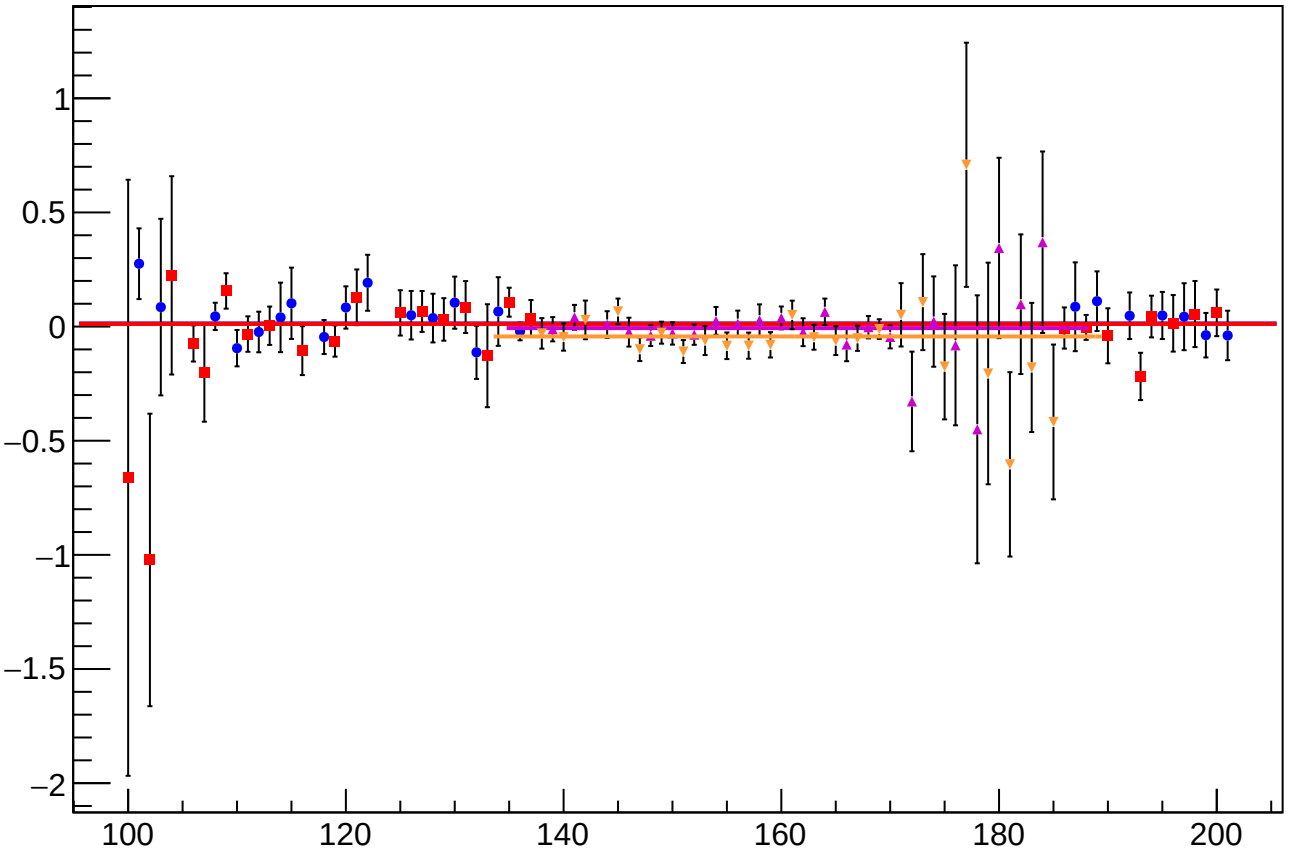
Right Out: 58.618+/-0.013 χ^2/NDF: 3868925.2/25

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 52.544+/-0.008 χ^2/NDF: 11577999.3/46

All: 52.168+/-0.006 χ^2/NDF: 22887462.0/95

- sign 51.816+/-0.008 χ^2/NDF: 11305212.0/48



Right In: 0.014+/-0.020 χ^2/NDF: 13.2/22

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

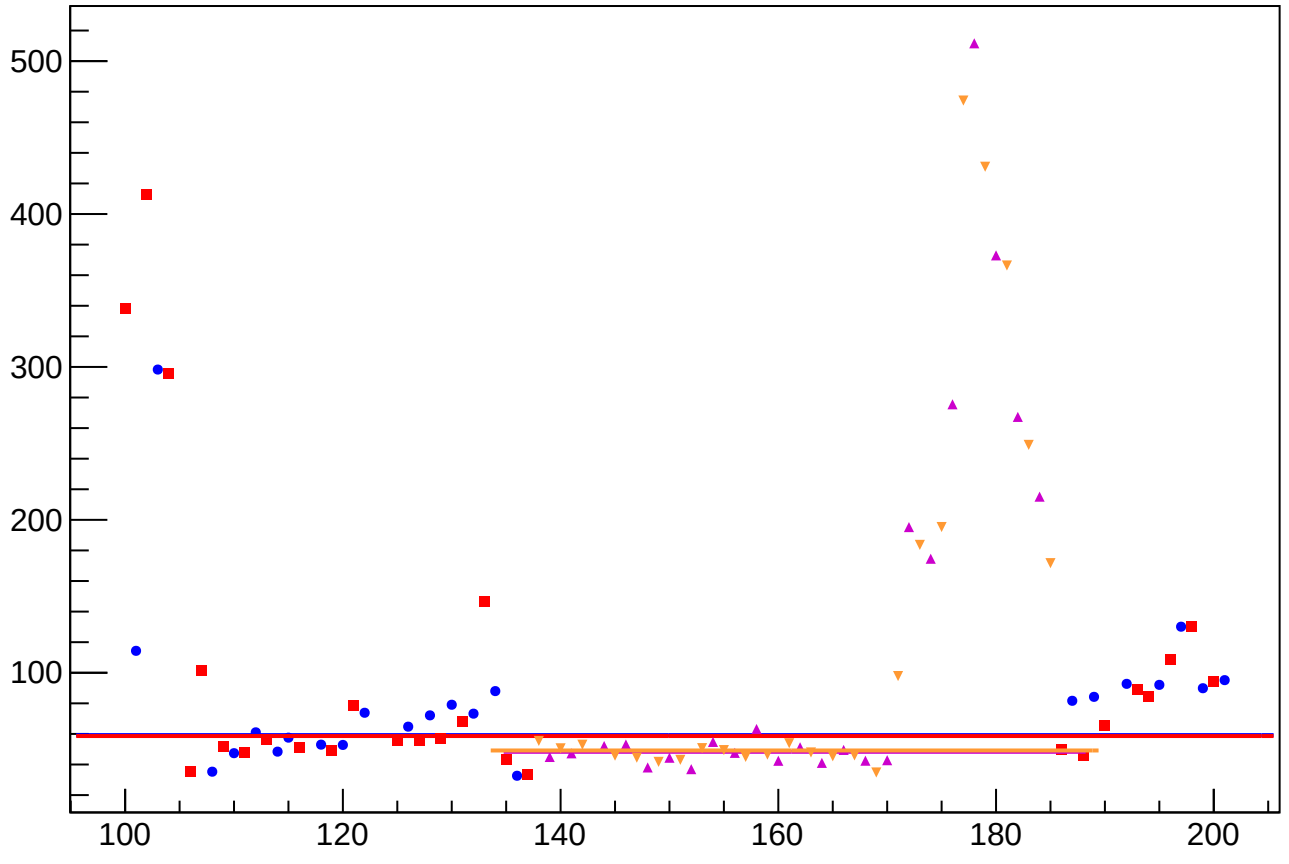
Right Out: 0.012+/-0.019 χ^2/NDF: 21.9/25

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/46

All: -0.012+/-0.008 χ^2/NDF: 73.8/95

- sign -0.000+/-0.011 χ^2/NDF: 33.8/48



Right In: 59.230+/-0.014 χ^2/NDF: 3978197.4/22

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

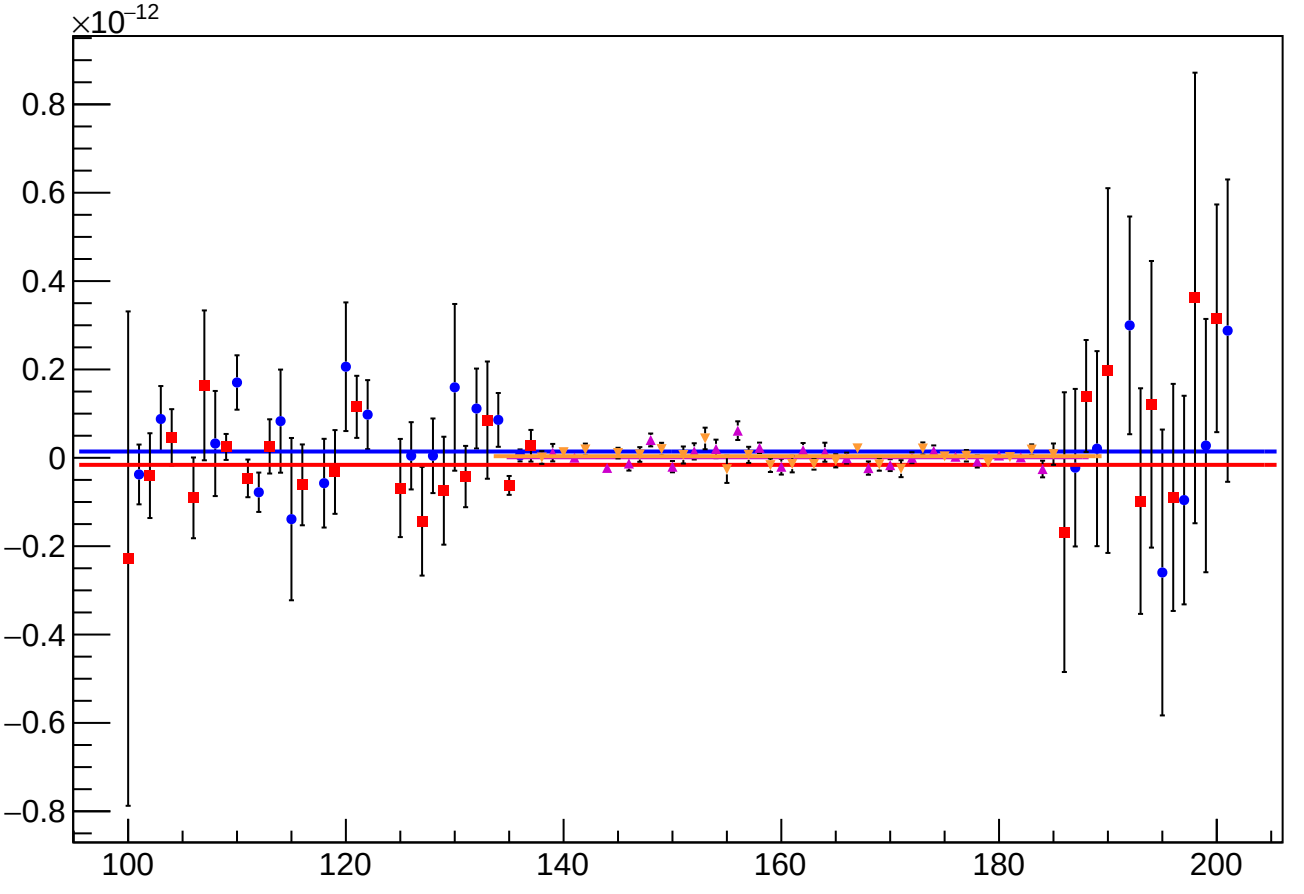
Right Out: 58.618+/-0.013 χ^2/NDF: 3868925.2/25

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 52.544+/-0.008 χ^2/NDF: 11577999.3/46

All: 52.168+/-0.006 χ^2/NDF: 22887462.0/95

- sign 51.816+/-0.008 χ^2/NDF: 11305212.0/48



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

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

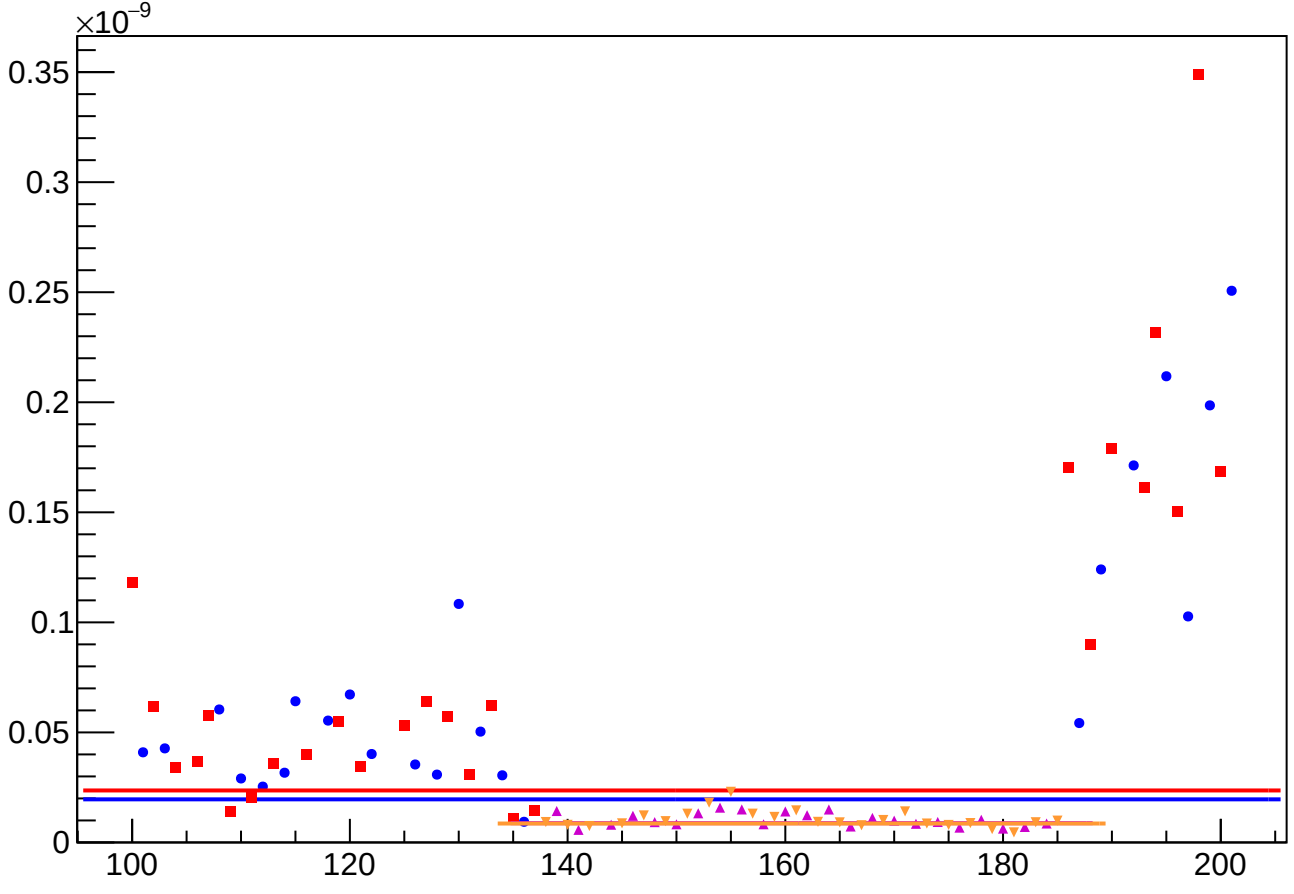
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/25

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: 114.2/95

- sign 0.000+/-0.000 χ^2/NDF: 64.5/48



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: 7300587.3/25

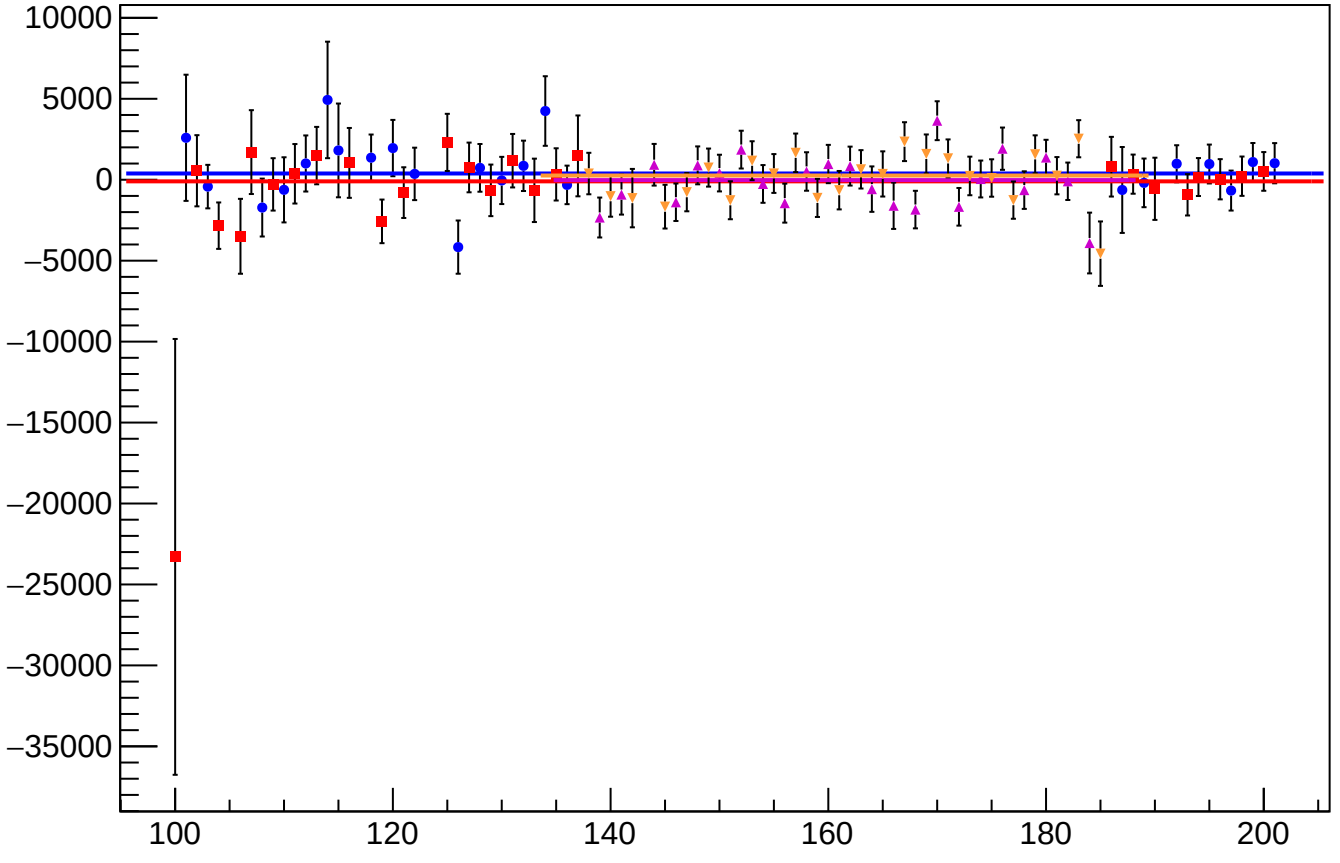
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11679835.0/46

All: 0.000+/-0.000 χ^2/NDF: 23687530.5/95

- sign 0.000+/-0.000 χ^2/NDF: 11998637.1/48

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: -100.181+/-314.143 χ^2/NDF: 18.8/25

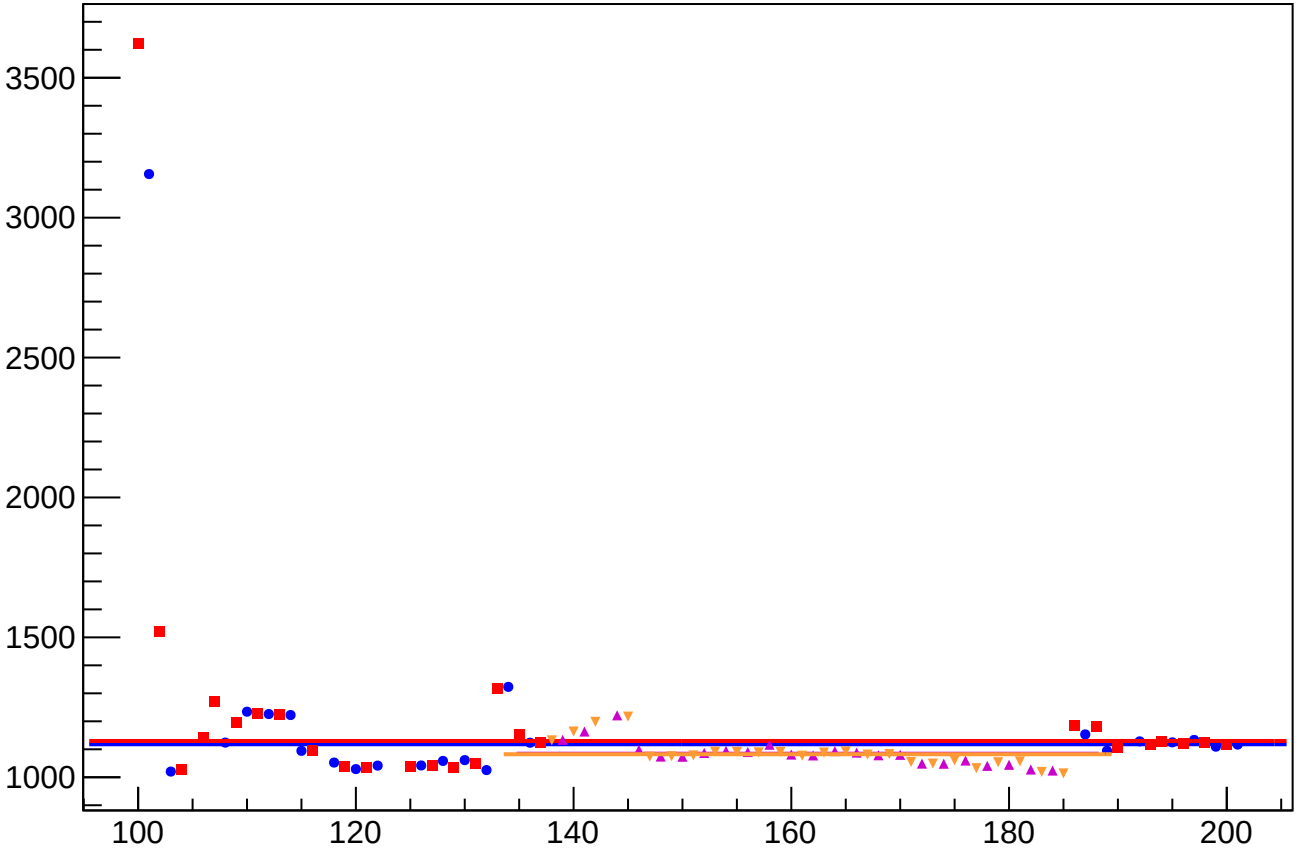
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 308.019+/-198.269 χ^2/NDF: 47.5/46

All: 126.518+/-139.818 χ^2/NDF: 103.8/95

- sign -53.031+/-197.199 χ^2/NDF: 54.6/48

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

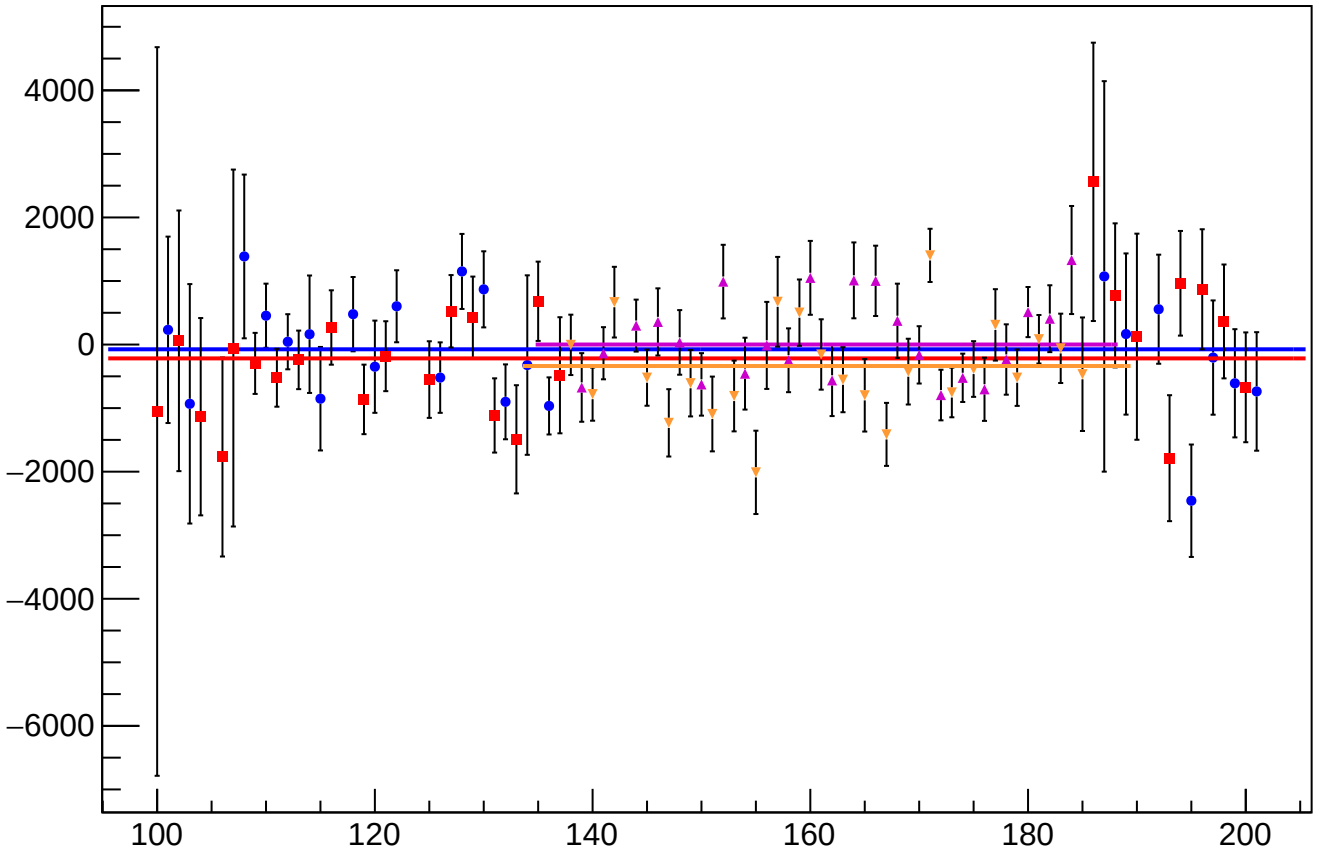
Right Out: 1129.709+/-0.222 χ^2/NDF: 228741.3/25

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.790+/-0.140 χ^2/NDF: 698004.6/46

All: 1098.968+/-0.099 χ^2/NDF: 1006678.5/95

- sign 1102.113+/-0.139 χ^2/NDF: 307651.4/48



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: -217.766+/-143.506 χ^2/NDF: 22.7/25

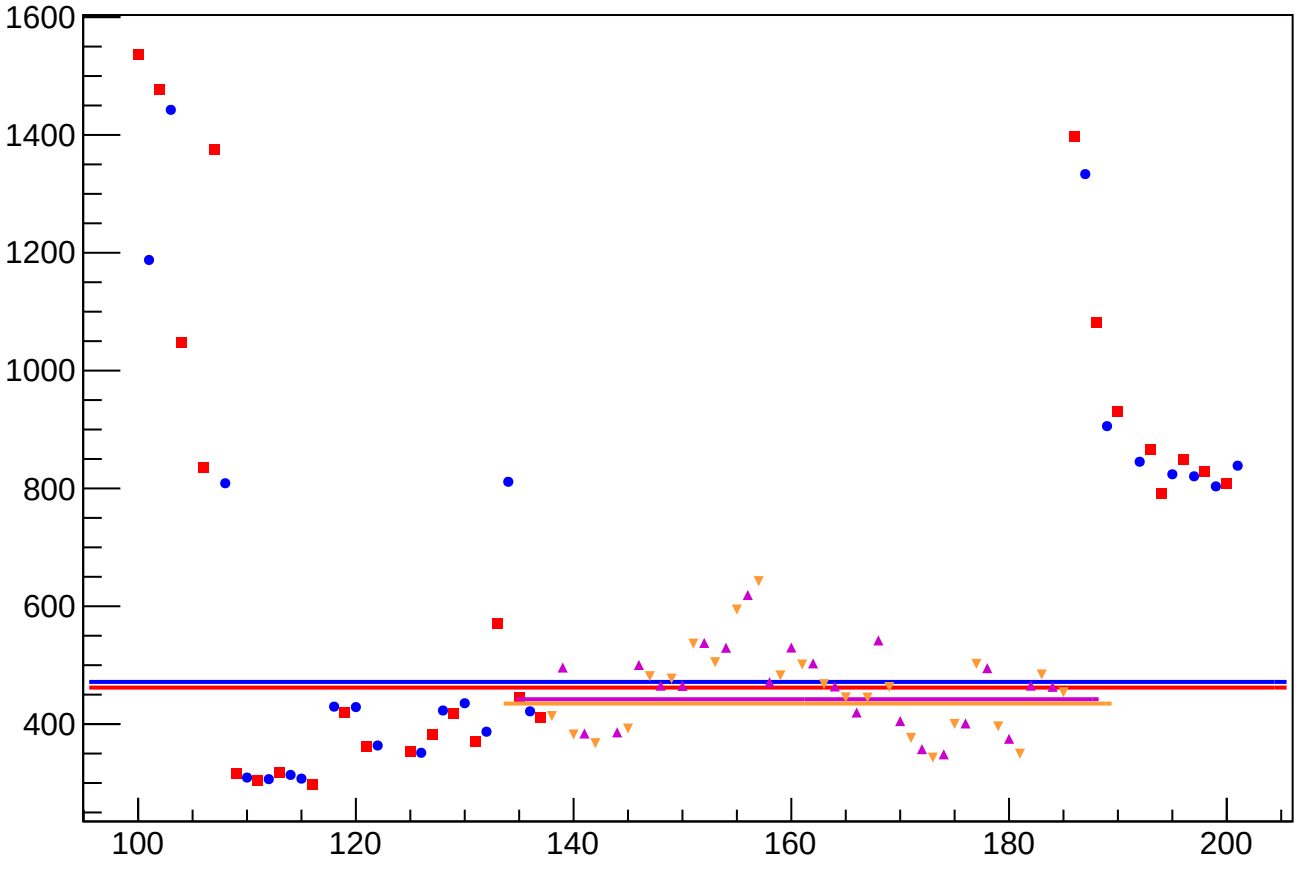
Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -252.383+/-84.338 χ^2/NDF: 79.3/46

All: -164.126+/-59.728 χ^2/NDF: 137.6/95

- sign -75.323+/-84.599 χ^2/NDF: 56.1/48

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: 461.958+/-0.101 χ^2/NDF: 5005506.6/25

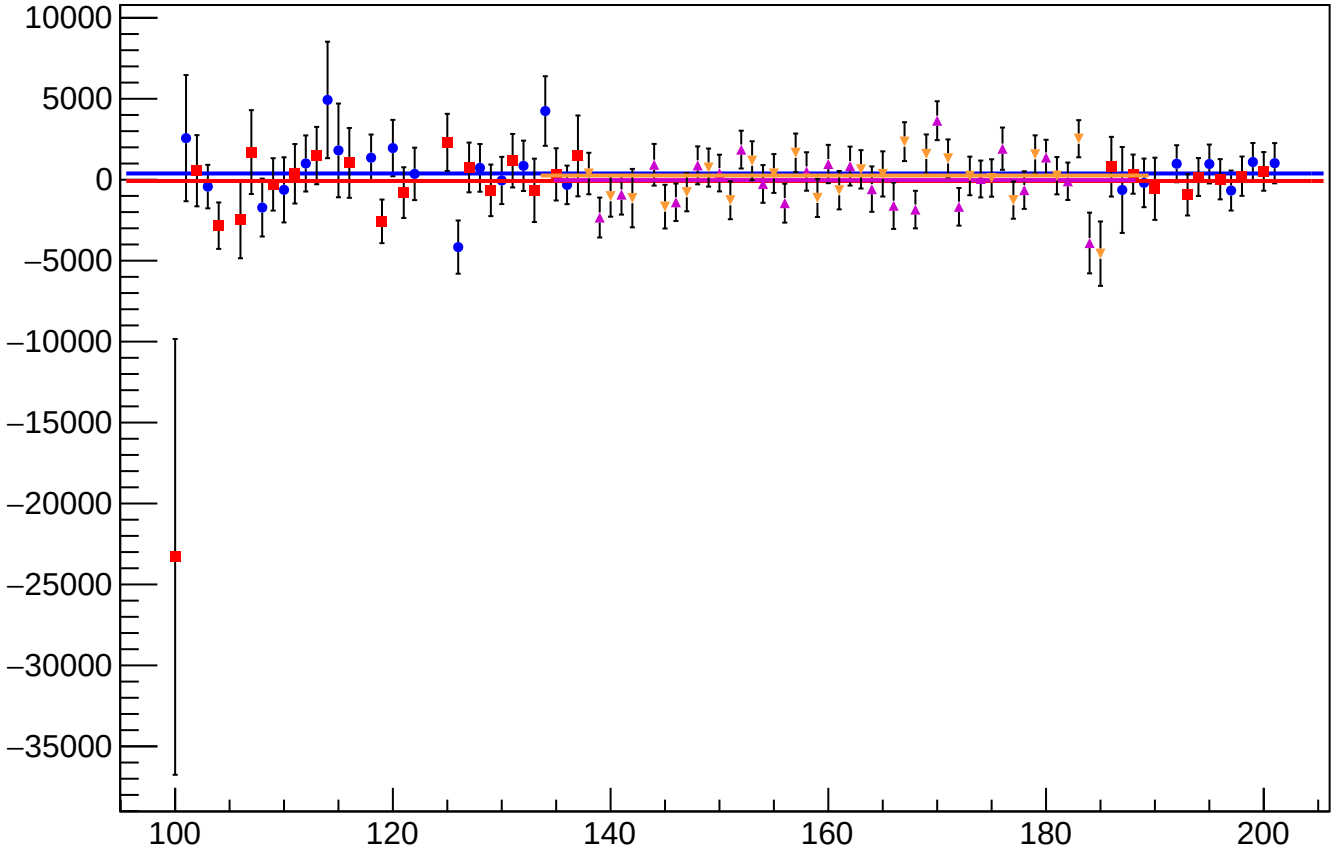
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 446.772+/-0.060 χ^2/NDF: 5133667.7/46

All: 447.918+/-0.042 χ^2/NDF: 10990603.8/95

- sign 449.072+/-0.060 χ^2/NDF: 5856194.5/48

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: -77.410+/-314.366 χ^2/NDF: 17.6/25

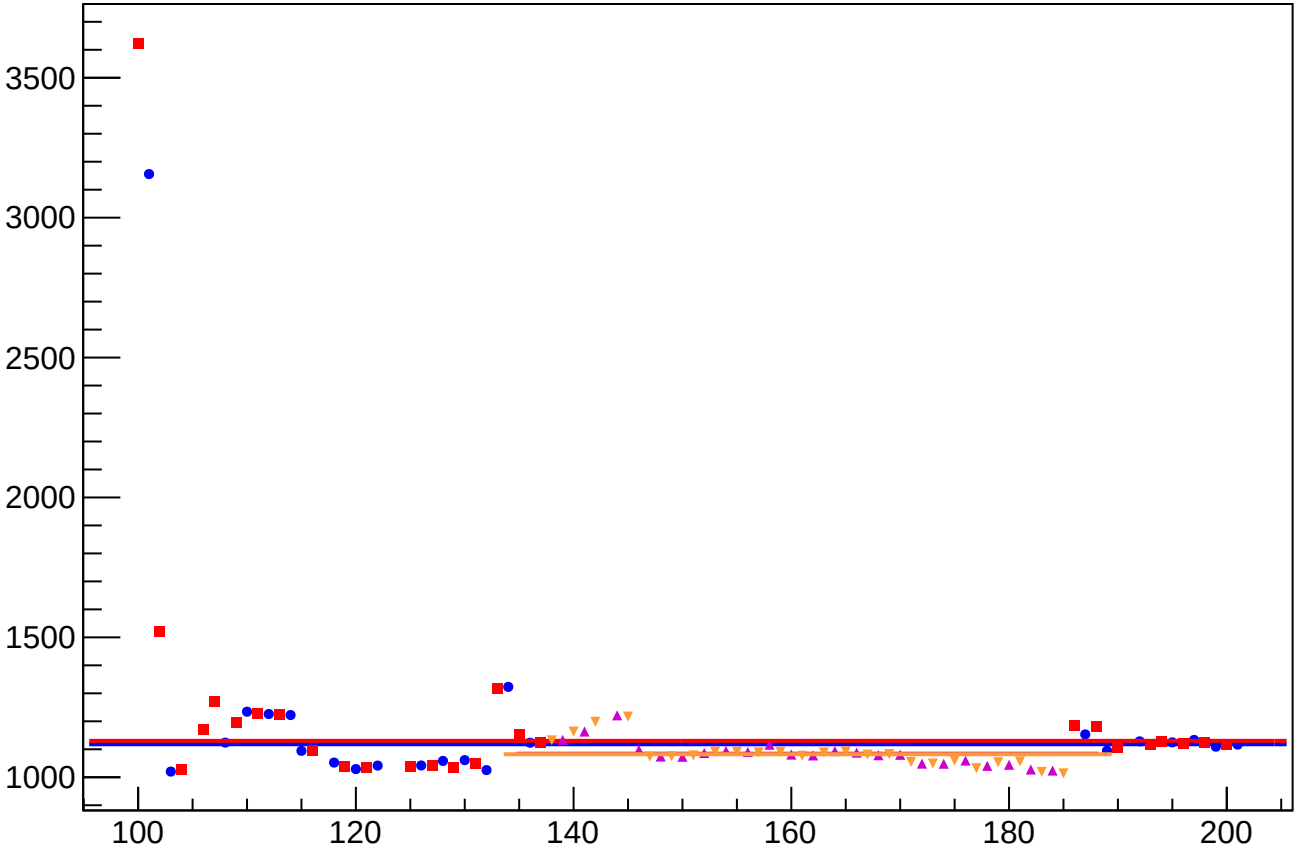
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 307.951+/-198.269 χ^2/NDF: 47.5/46

All: 131.055+/-139.837 χ^2/NDF: 102.5/95

- sign -44.035+/-197.255 χ^2/NDF: 53.4/48

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

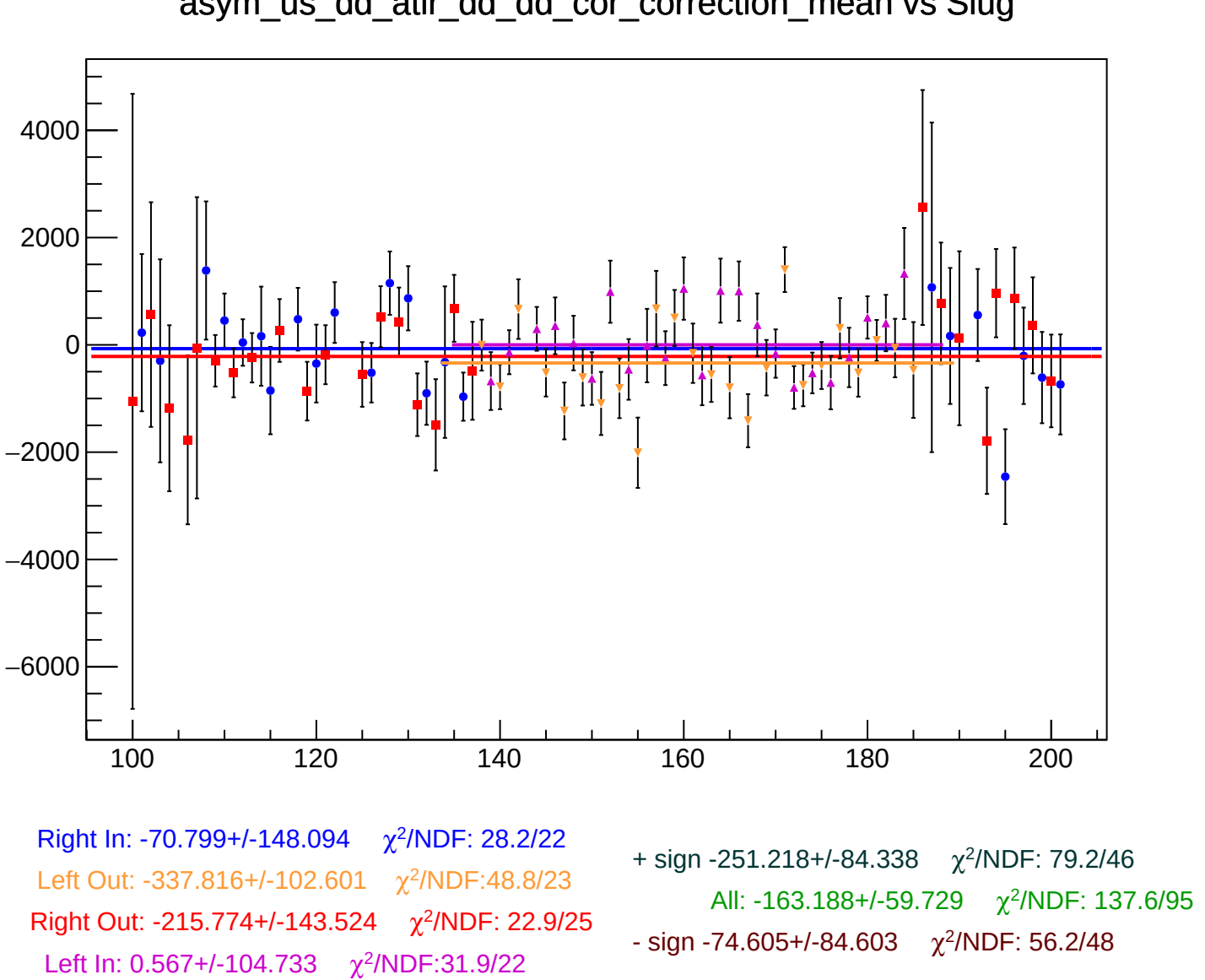
Right Out: 1130.228+/-0.222 χ^2/NDF: 229302.7/25

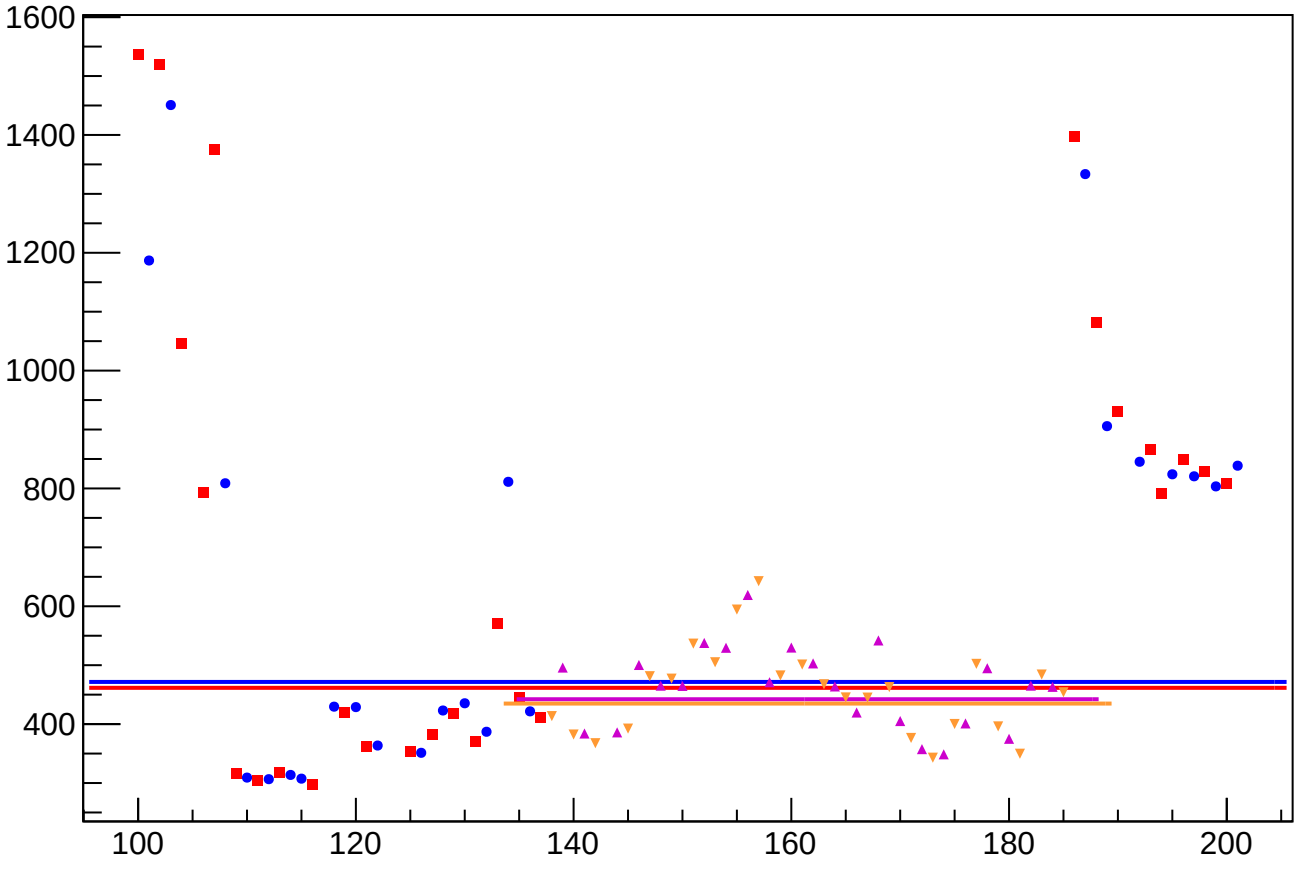
Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.790+/-0.140 χ^2/NDF: 698005.5/46

All: 1099.062+/-0.099 χ^2/NDF: 1007863.7/95

- sign 1102.301+/-0.139 χ^2/NDF: 308774.0/48


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -70.799+/-148.094 χ²/NDF: 28.2/22
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: -215.774+/-143.524 χ²/NDF: 22.9/25
Left In: 0.567+/-104.733 χ²/NDF:31.9/22
+ sign -251.218+/-84.338 χ²/NDF: 79.2/46
All: -163.188+/-59.729 χ²/NDF: 137.6/95
- sign -74.605+/-84.603 χ²/NDF: 56.2/48



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: 461.585+/-0.101 χ^2/NDF: 4999205.5/25

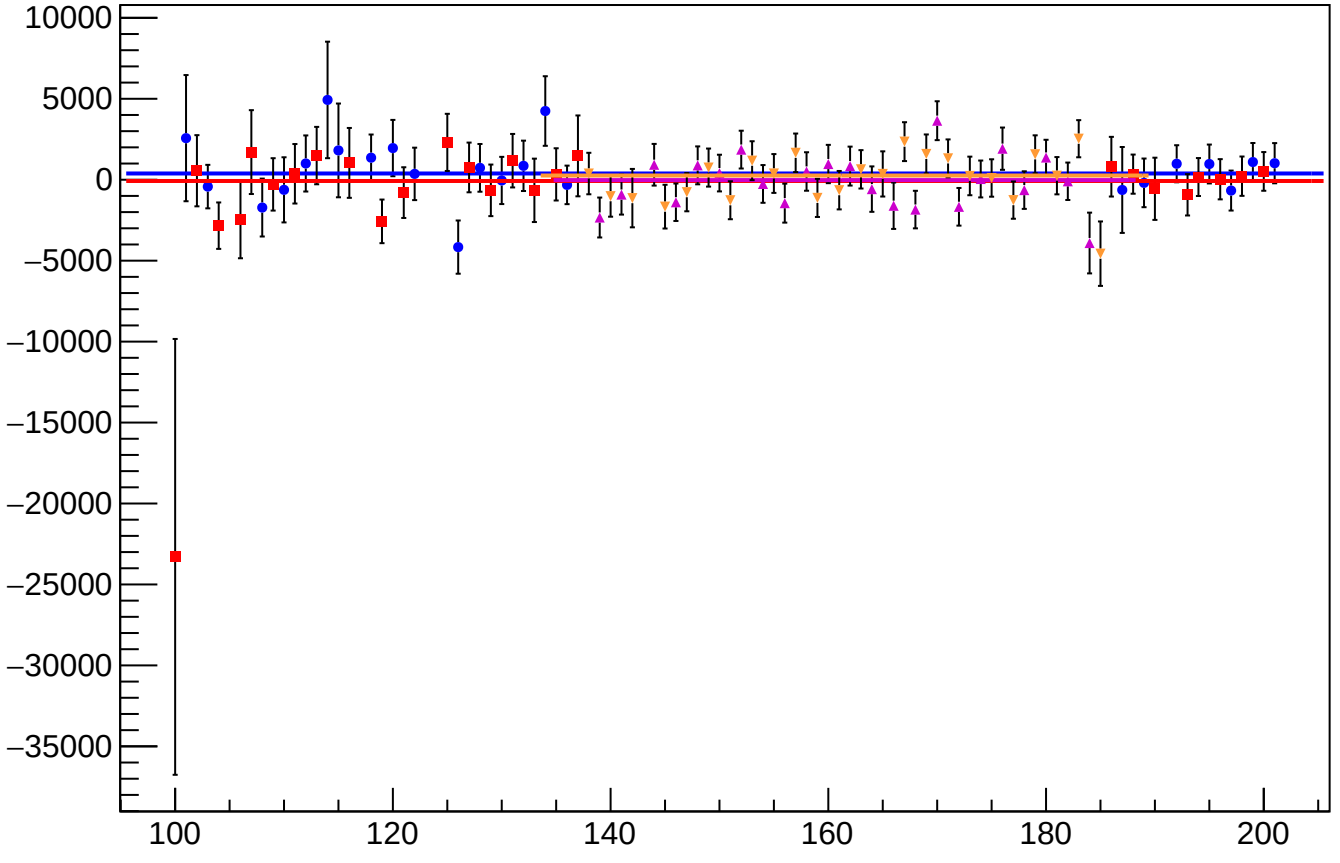
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 446.767+/-0.060 χ^2/NDF: 5137523.2/46

All: 447.851+/-0.042 χ^2/NDF: 10987020.5/95

- sign 448.942+/-0.060 χ^2/NDF: 5848834.3/48

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: -77.410+/-314.366 χ^2/NDF: 17.6/25

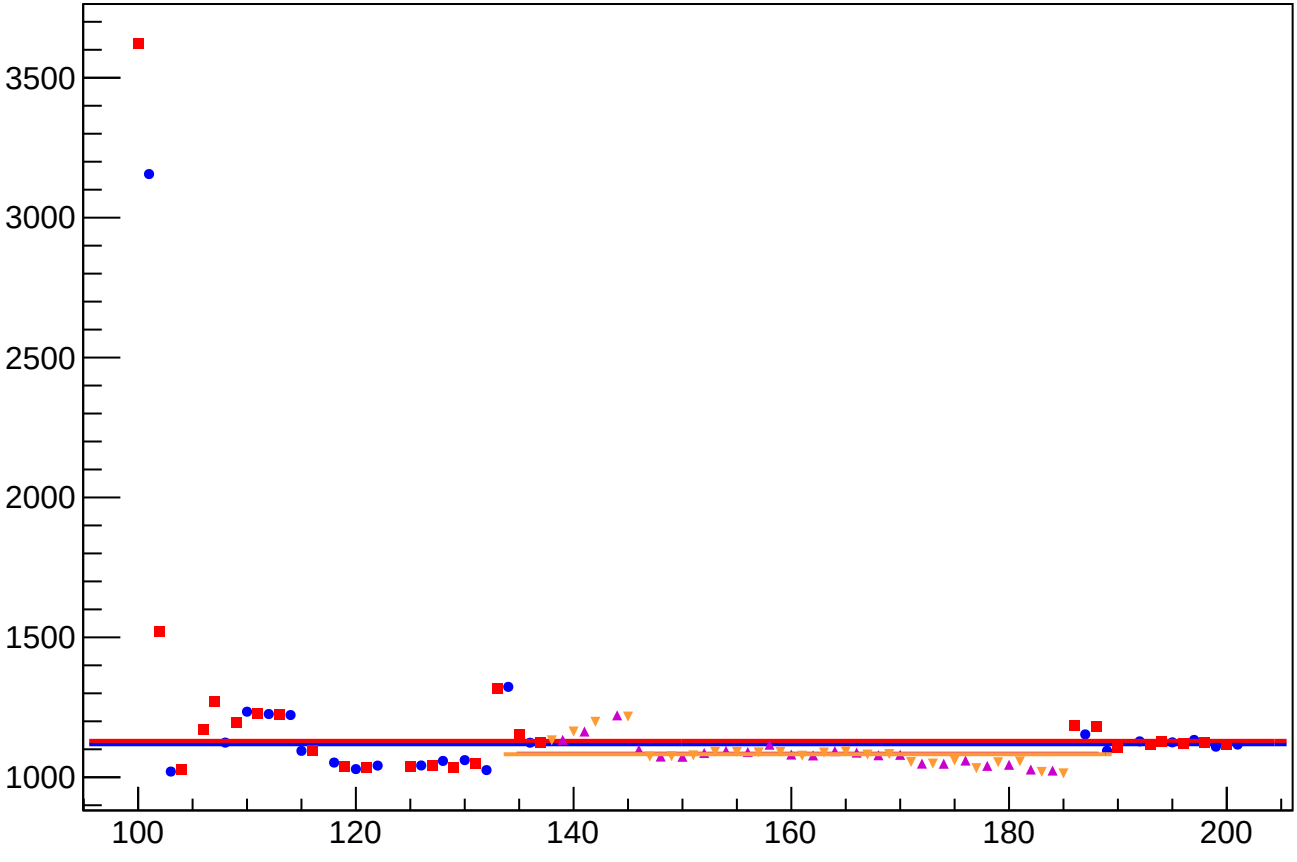
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 307.951+/-198.269 χ^2/NDF: 47.5/46

All: 131.055+/-139.837 χ^2/NDF: 102.5/95

- sign -44.035+/-197.255 χ^2/NDF: 53.4/48

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

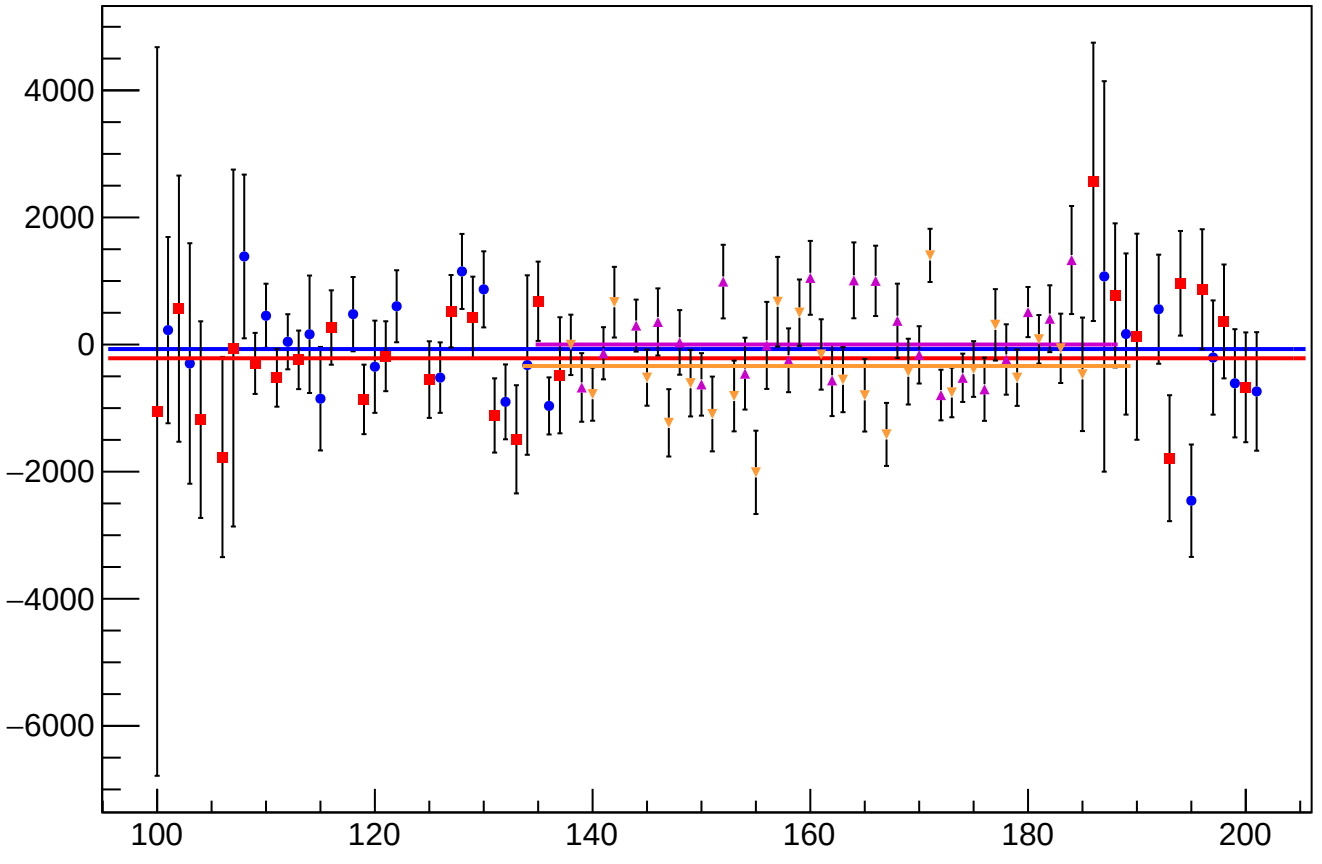
Right Out: 1130.228+/-0.222 χ^2/NDF: 229302.7/25

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.790+/-0.140 χ^2/NDF: 698005.5/46

All: 1099.062+/-0.099 χ^2/NDF: 1007863.7/95

- sign 1102.301+/-0.139 χ^2/NDF: 308774.0/48



Right In: -70.799+/-148.094 χ^2/NDF: 28.2/22

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

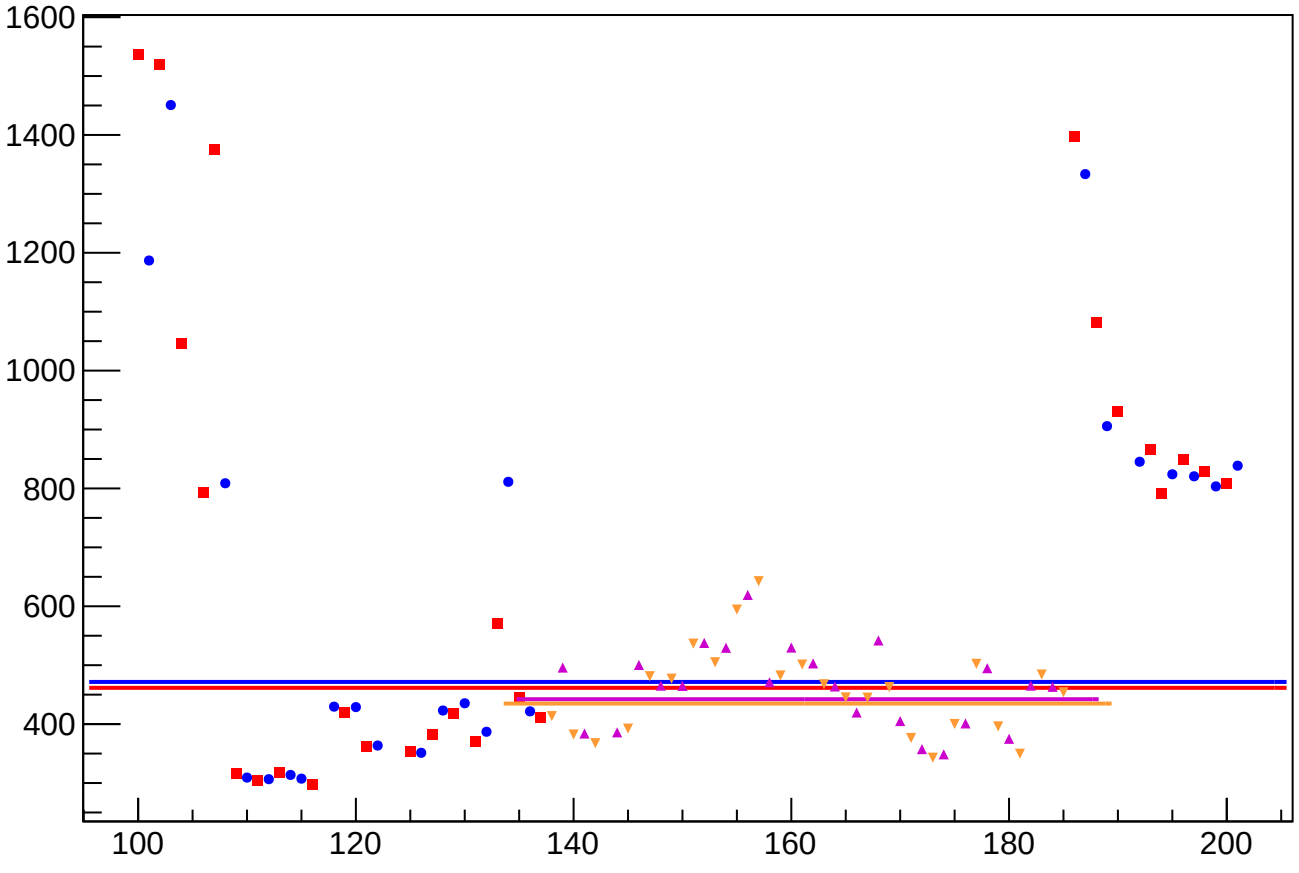
Right Out: -215.774+/-143.524 χ^2/NDF: 22.9/25

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -251.218+/-84.338 χ^2/NDF: 79.2/46

All: -163.188+/-59.729 χ^2/NDF: 137.6/95

- sign -74.605+/-84.603 χ^2/NDF: 56.2/48



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: 461.585+/-0.101 χ^2/NDF: 4999205.5/25

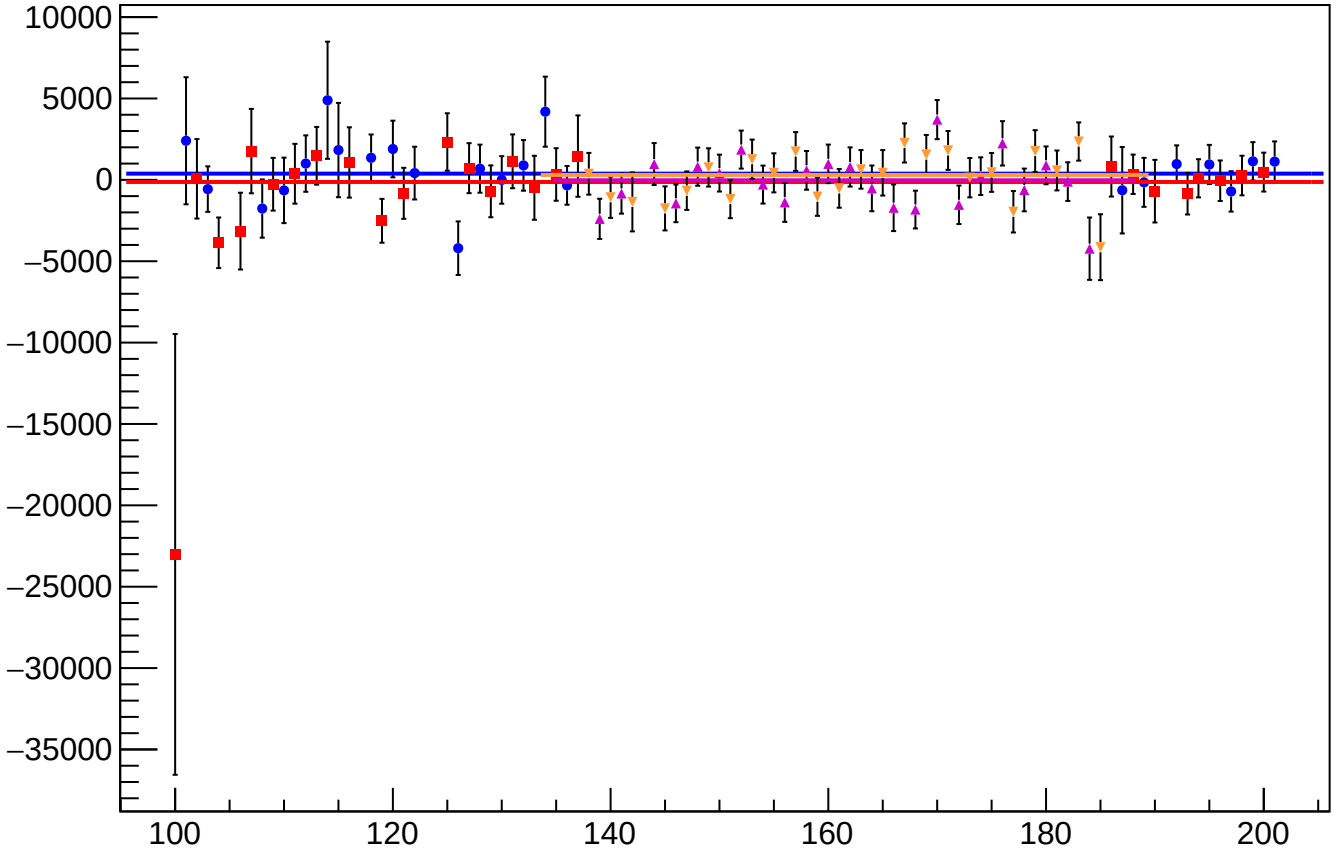
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 446.767+/-0.060 χ^2/NDF: 5137523.2/46

All: 447.851+/-0.042 χ^2/NDF: 10987020.5/95

- sign 448.942+/-0.060 χ^2/NDF: 5848834.3/48

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: -129.987+/-316.326 χ^2/NDF: 20.1/25

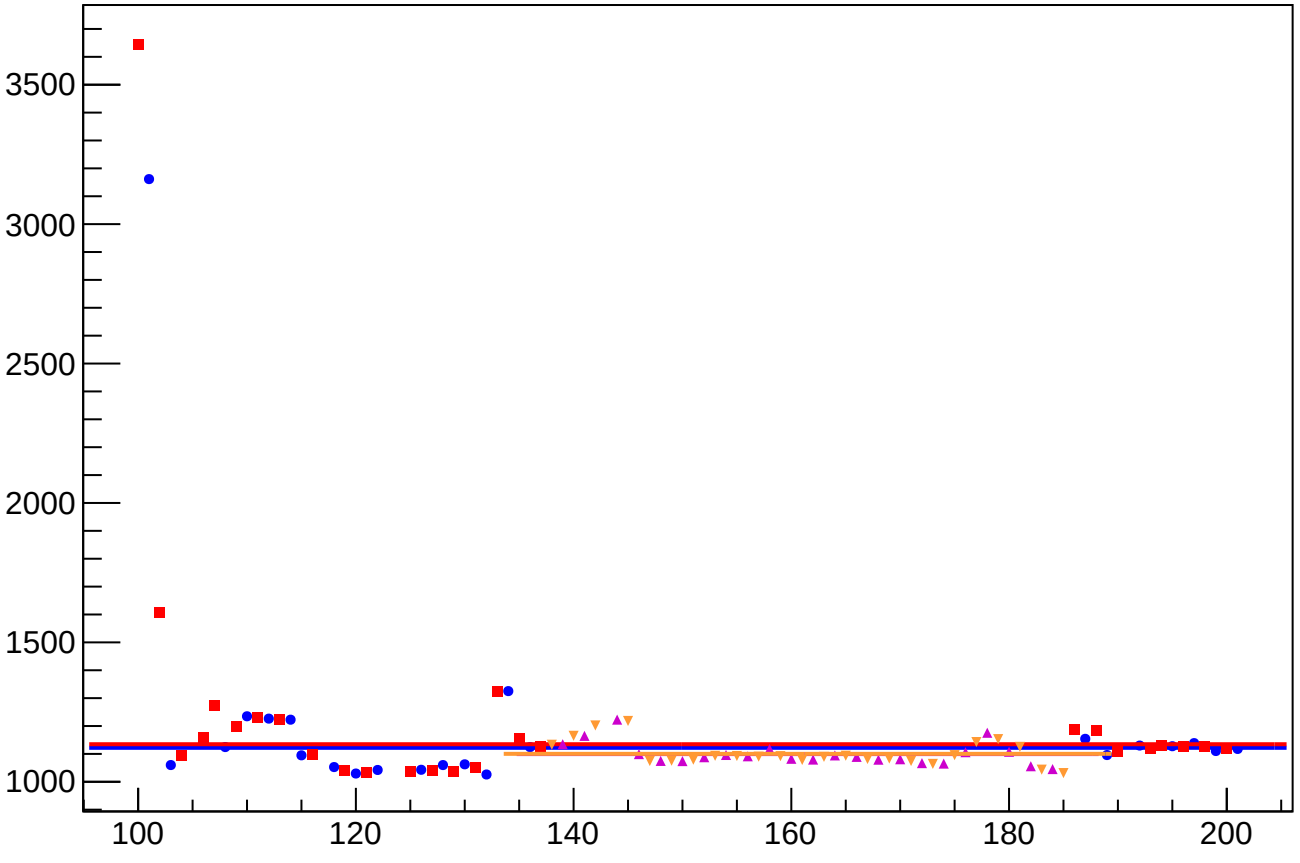
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 333.423+/-200.552 χ^2/NDF: 47.9/46

All: 132.106+/-141.404 χ^2/NDF: 105.9/95

- sign -66.911+/-199.403 χ^2/NDF: 56.0/48

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

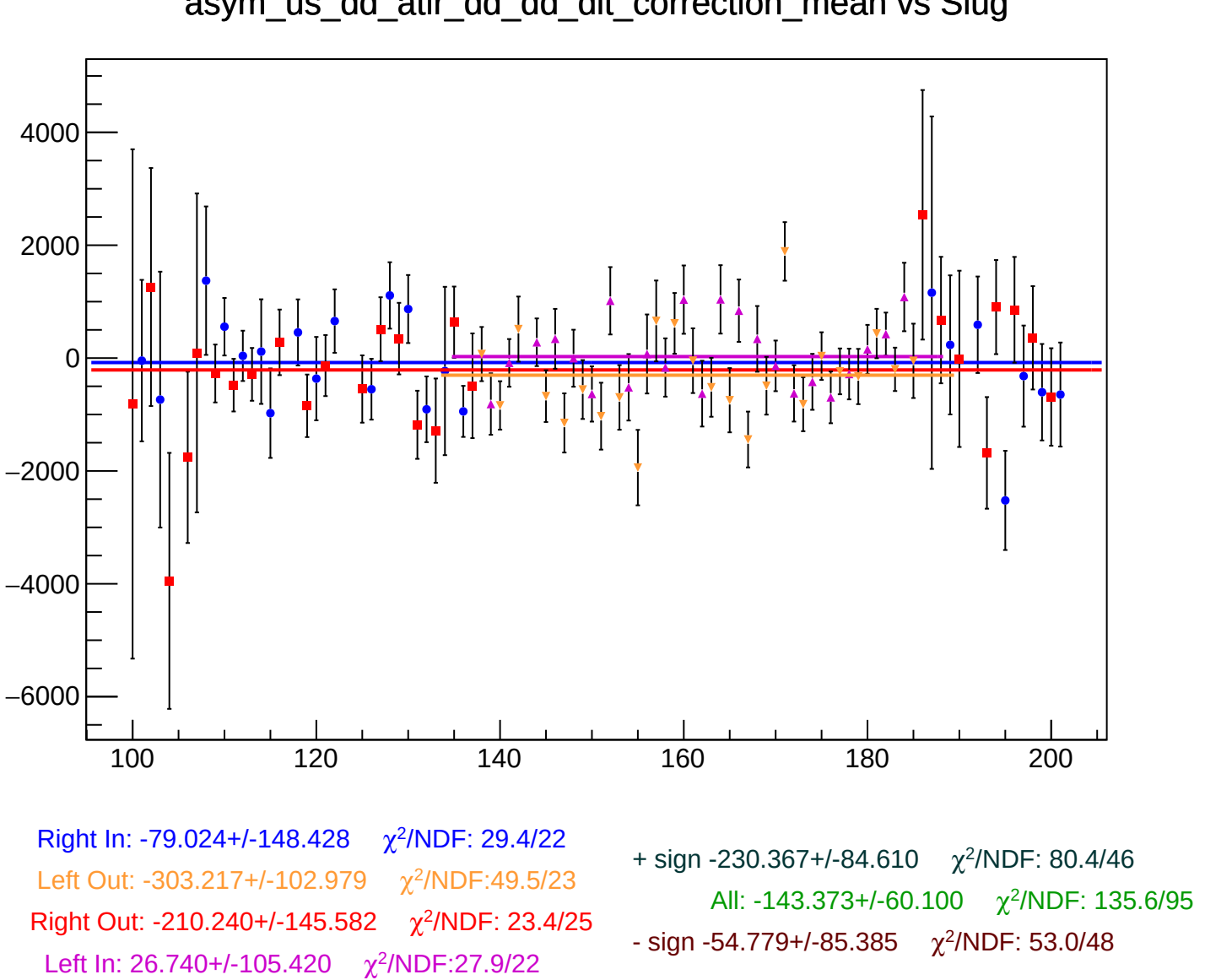
Right Out: 1134.730+/-0.224 χ^2/NDF: 233597.3/25

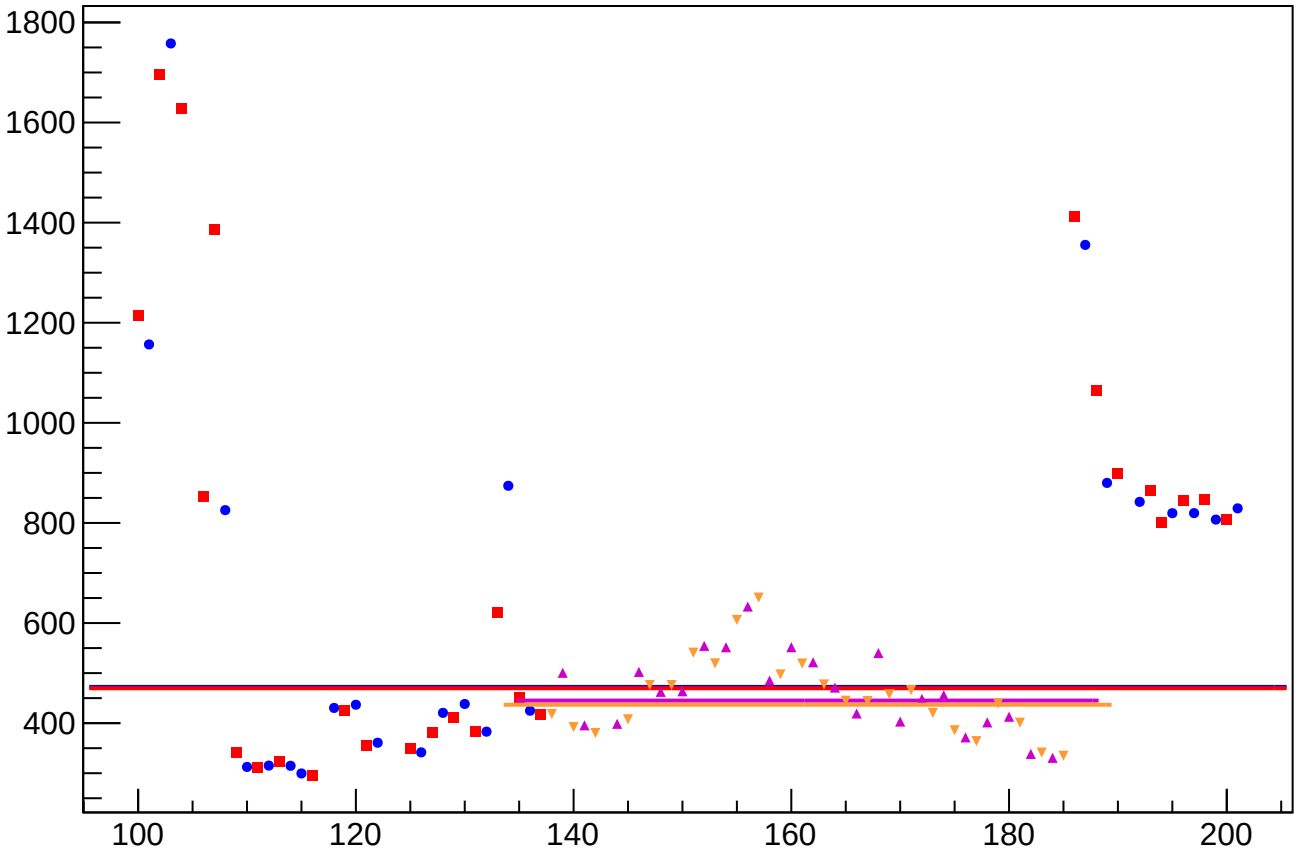
Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1108.561+/-0.142 χ^2/NDF: 672915.7/46

All: 1110.996+/-0.100 χ^2/NDF: 966969.5/95

- sign 1113.404+/-0.141 χ^2/NDF: 293467.2/48


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -79.024+/-148.428 χ²/NDF: 29.4/22
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: -210.240+/-145.582 χ²/NDF: 23.4/25
Left In: 26.740+/-105.420 χ²/NDF:27.9/22
+ sign -230.367+/-84.610 χ²/NDF: 80.4/46
All: -143.373+/-60.100 χ²/NDF: 135.6/95
- sign -54.779+/-85.385 χ²/NDF: 53.0/48



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: 469.772+/-0.103 χ^2/NDF: 5347614.1/25

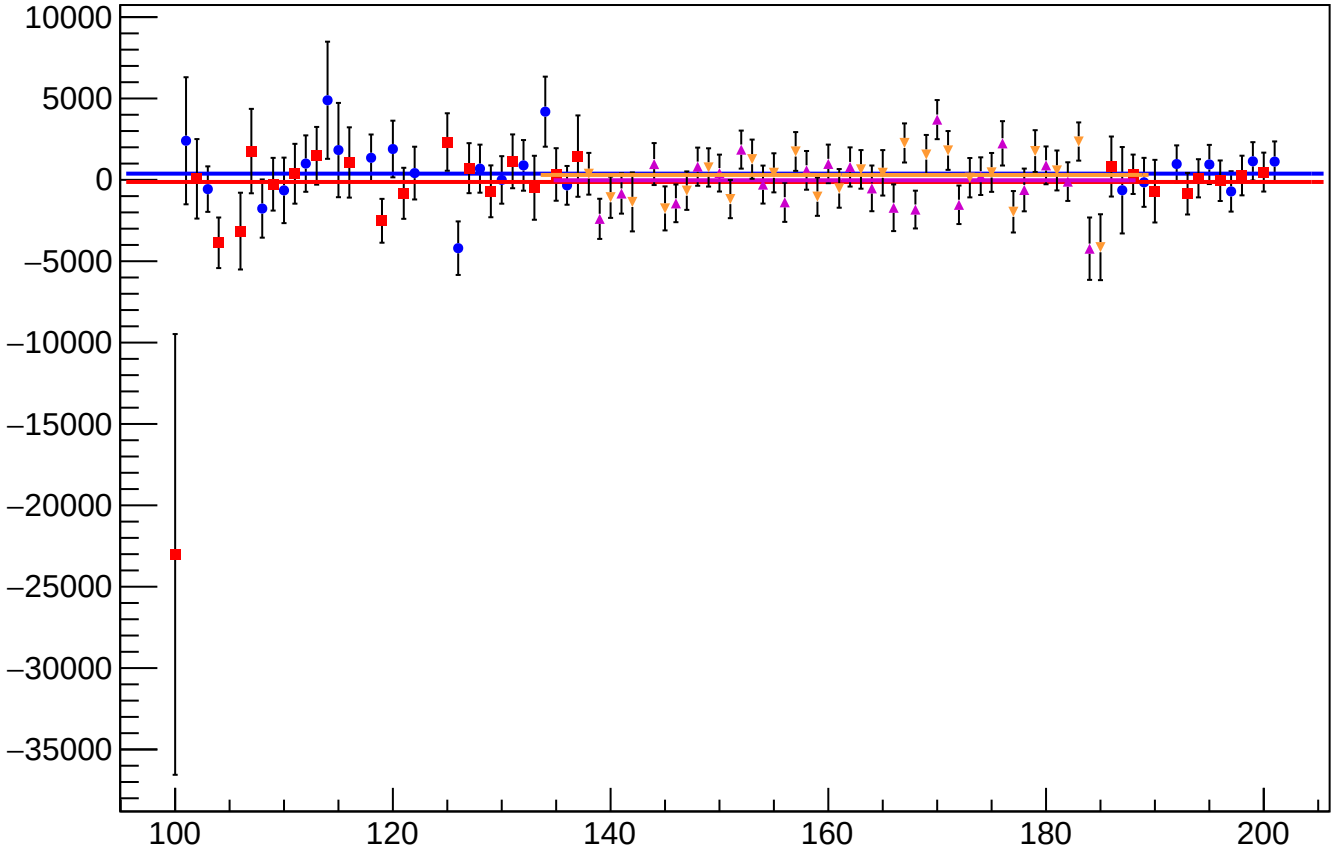
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 448.355+/-0.060 χ^2/NDF: 5193826.0/46

All: 450.950+/-0.042 χ^2/NDF: 11457425.9/95

- sign 453.593+/-0.060 χ^2/NDF: 6259803.4/48

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: -129.988+/-316.326 χ^2/NDF: 20.1/25

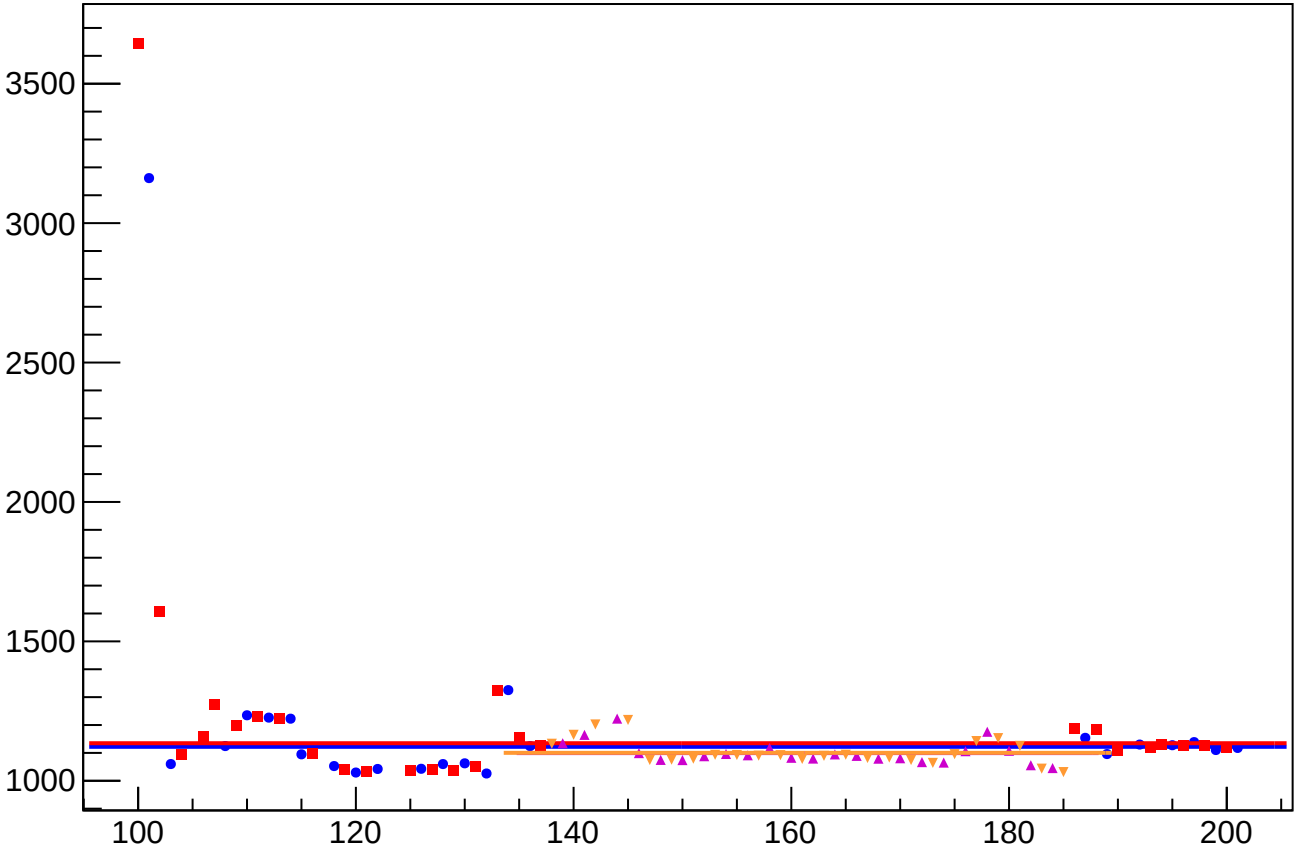
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 333.423+/-200.552 χ^2/NDF: 47.9/46

All: 132.105+/-141.404 χ^2/NDF: 105.9/95

- sign -66.912+/-199.403 χ^2/NDF: 56.0/48

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

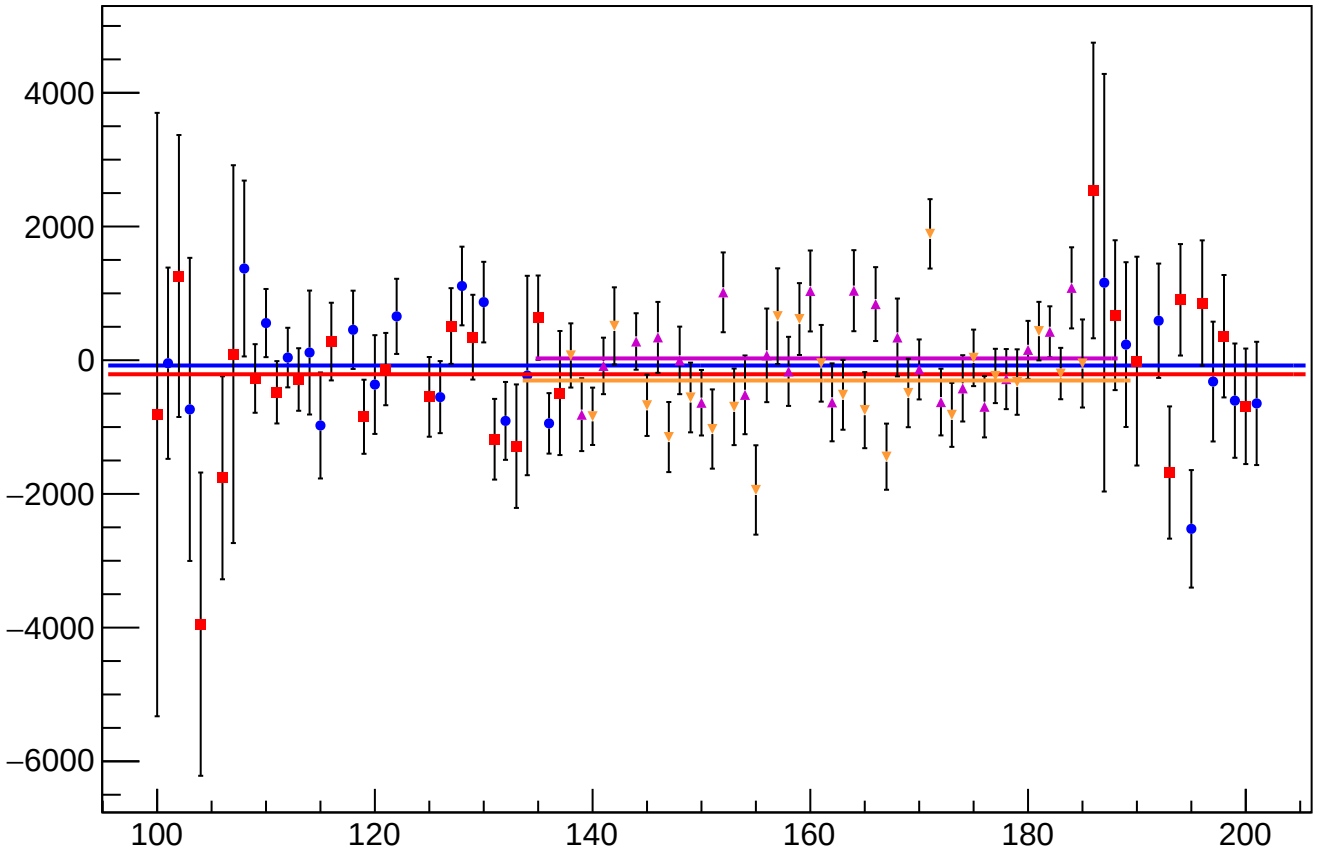
Right Out: 1134.730+/-0.224 χ^2/NDF: 233597.4/25

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1108.561+/-0.142 χ^2/NDF: 672915.9/46

All: 1110.996+/-0.100 χ^2/NDF: 966969.9/95

- sign 1113.404+/-0.141 χ^2/NDF: 293467.4/48



Right In: -79.026+/-148.427 χ^2/NDF: 29.4/22

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

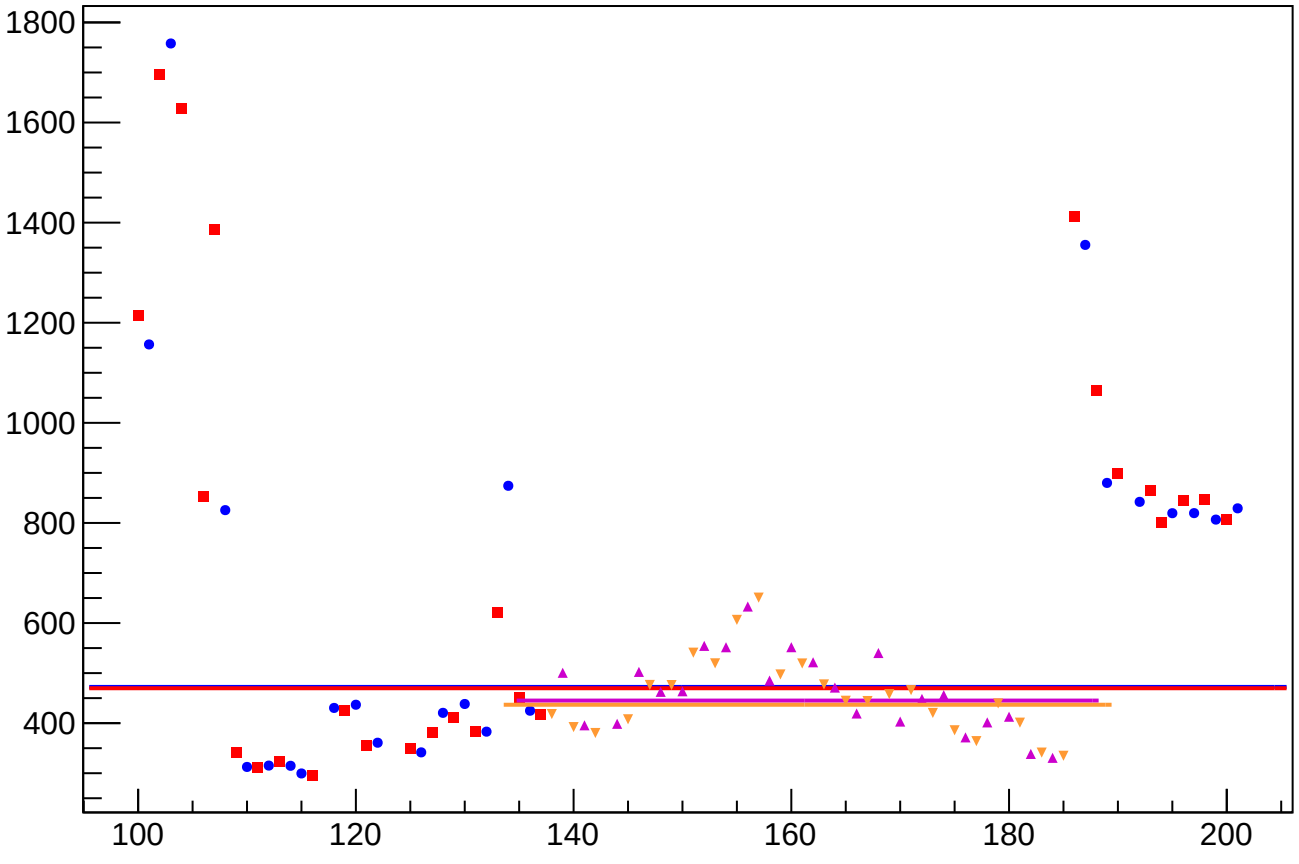
Right Out: -210.239+/-145.581 χ^2/NDF: 23.4/25

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -230.367+/-84.609 χ^2/NDF: 80.4/46

All: -143.374+/-60.100 χ^2/NDF: 135.6/95

- sign -54.780+/-85.384 χ^2/NDF: 53.0/48



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: 469.768+/-0.103 χ^2/NDF: 5347665.9/25

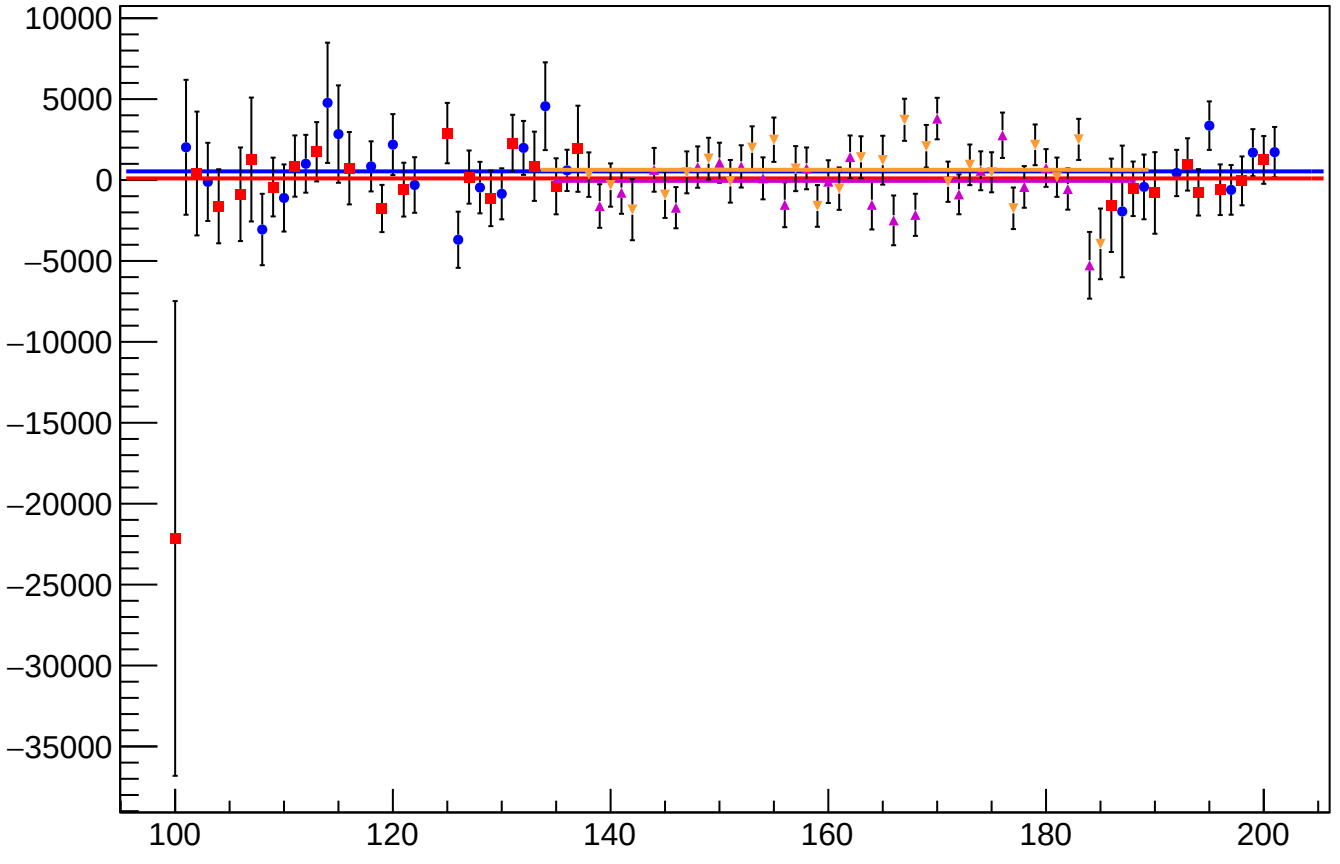
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 448.354+/-0.060 χ^2/NDF: 5193883.7/46

All: 450.949+/-0.042 χ^2/NDF: 11457559.7/95

- sign 453.591+/-0.060 χ^2/NDF: 6259879.7/48

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: 99.814+/-373.104 χ^2/NDF: 13.1/25

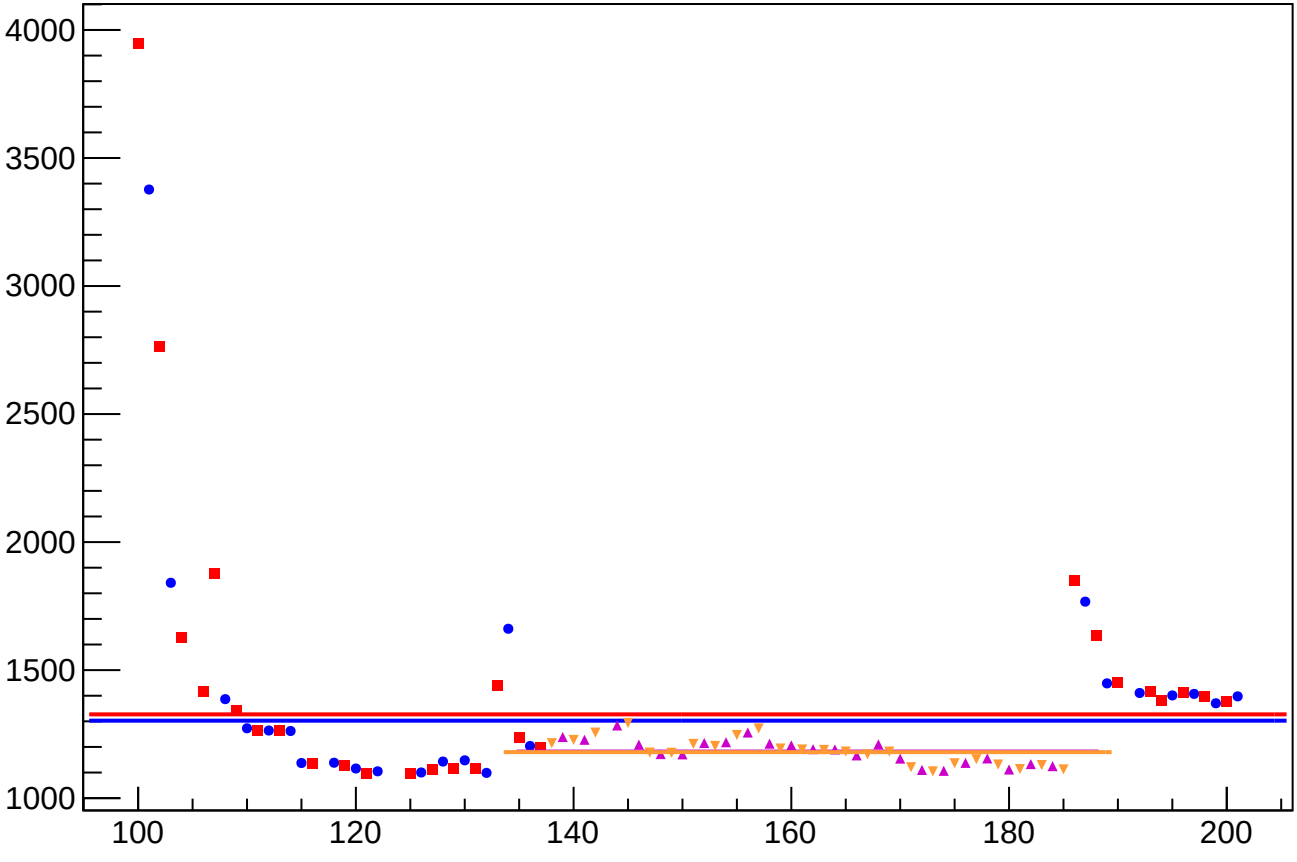
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

\+ sign 599.159+/-221.886 χ^2/NDF: 52.7/46

All: 300.980+/-156.937 χ^2/NDF: 104.5/95

\- sign 2.499+/-221.998 χ^2/NDF: 48.2/48

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

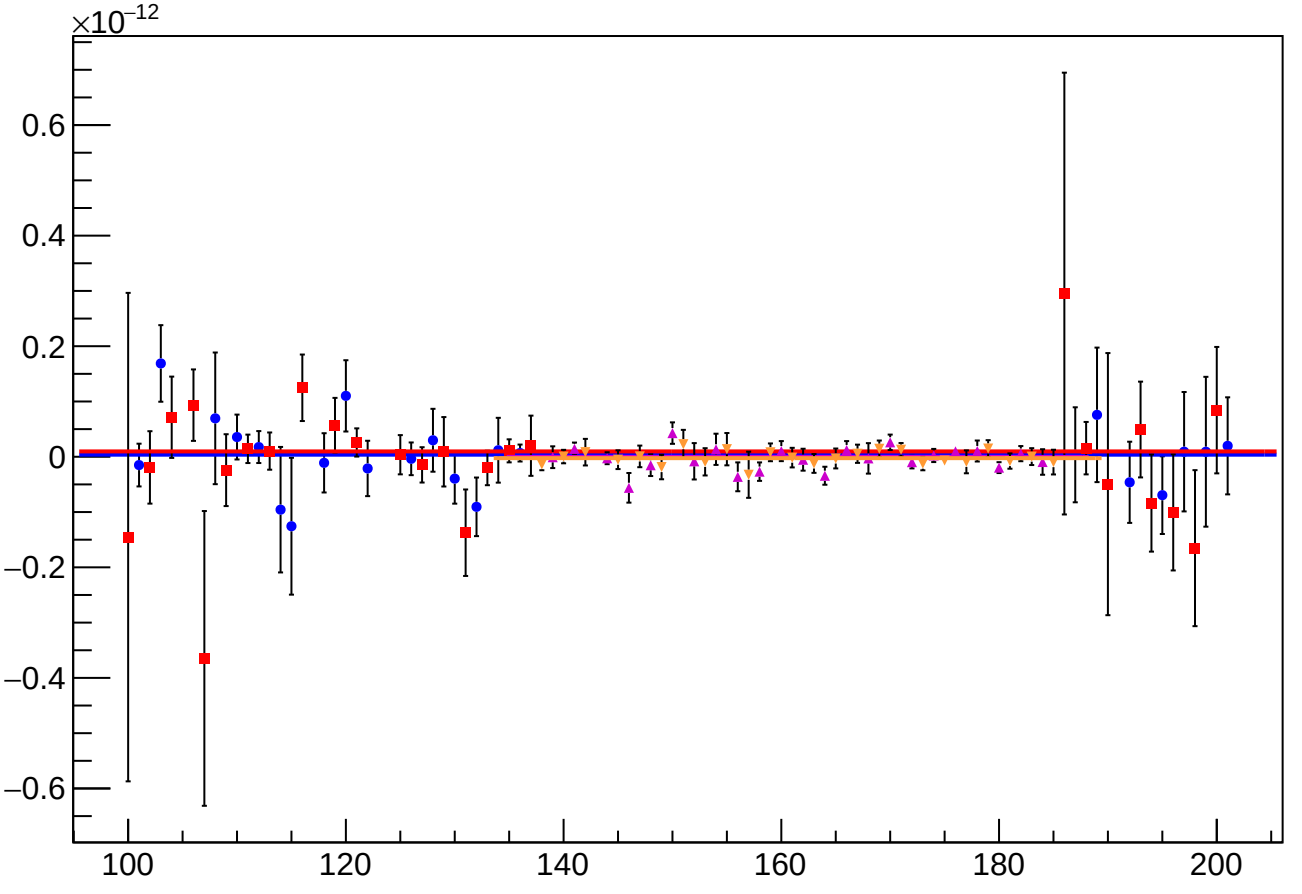
Right Out: 1327.233+/-0.264 χ^2/NDF: 818495.7/25

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1222.040+/-0.157 χ^2/NDF: 1098408.0/46

All: 1227.703+/-0.111 χ^2/NDF: 2175813.4/95

\- sign 1233.371+/-0.157 χ^2/NDF: 1074798.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/22

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

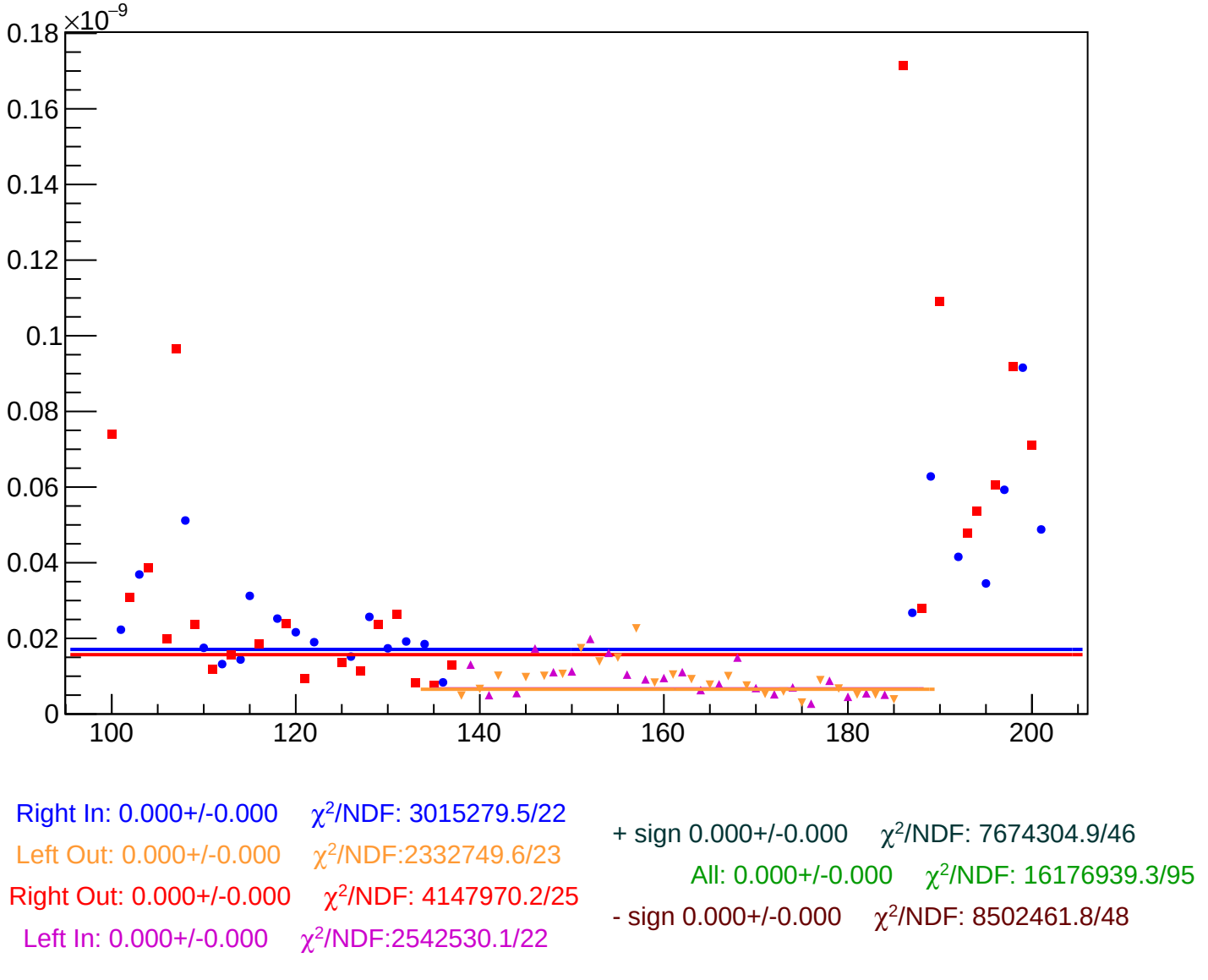
Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/25

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

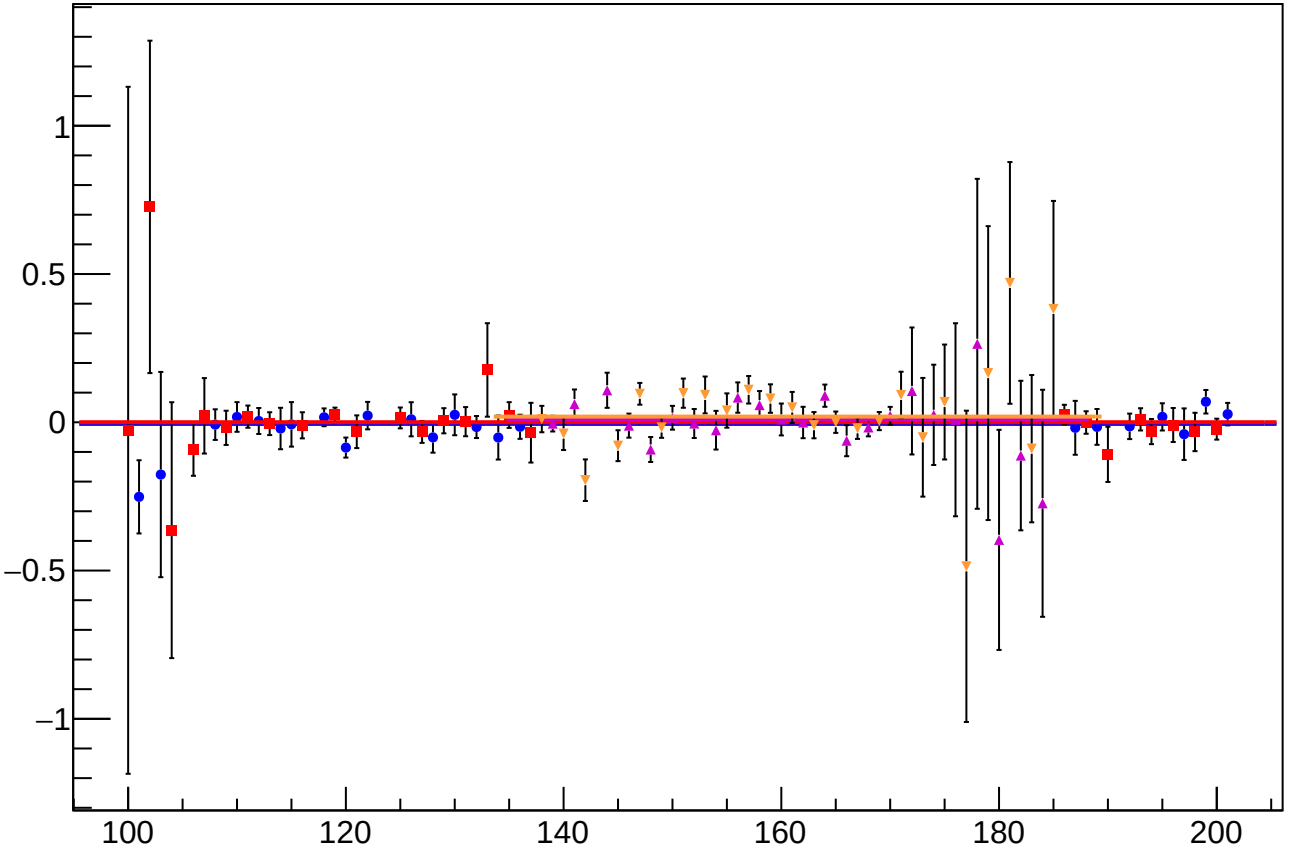
+ sign -0.000+/-0.000 χ^2/NDF: 29.2/46

All: -0.000+/-0.000 χ^2/NDF: 83.3/95

- sign 0.000+/-0.000 χ^2/NDF: 53.7/48


asym_us_dd_atlr_dd_dd_reg_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: 3015279.5/22
Left Out: 0.000+/-0.000 χ²/NDF:2332749.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 4147970.2/25
Left In: 0.000+/-0.000 χ²/NDF:2542530.1/22
+ sign 0.000+/-0.000 χ²/NDF: 7674304.9/46
All: 0.000+/-0.000 χ²/NDF: 16176939.3/95
- sign 0.000+/-0.000 χ²/NDF: 8502461.8/48

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.010 χ^2/NDF: 17.4/22

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

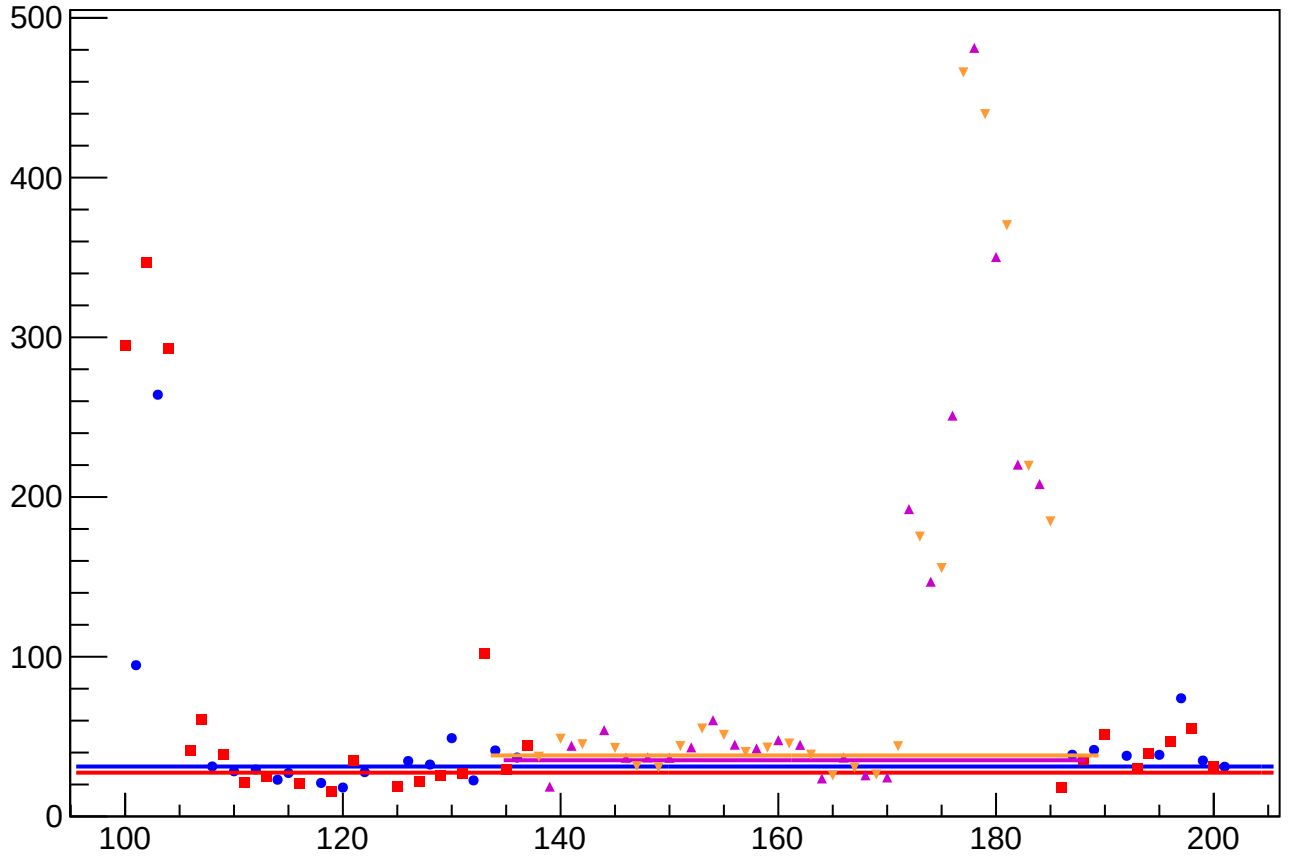
Right Out: 0.000+/-0.009 χ^2/NDF: 11.3/25

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: 91.5/95

- sign 0.005+/-0.007 χ^2/NDF: 35.4/48



Right In: 31.258+/-0.007 χ^2/NDF: 3026195.5/22

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

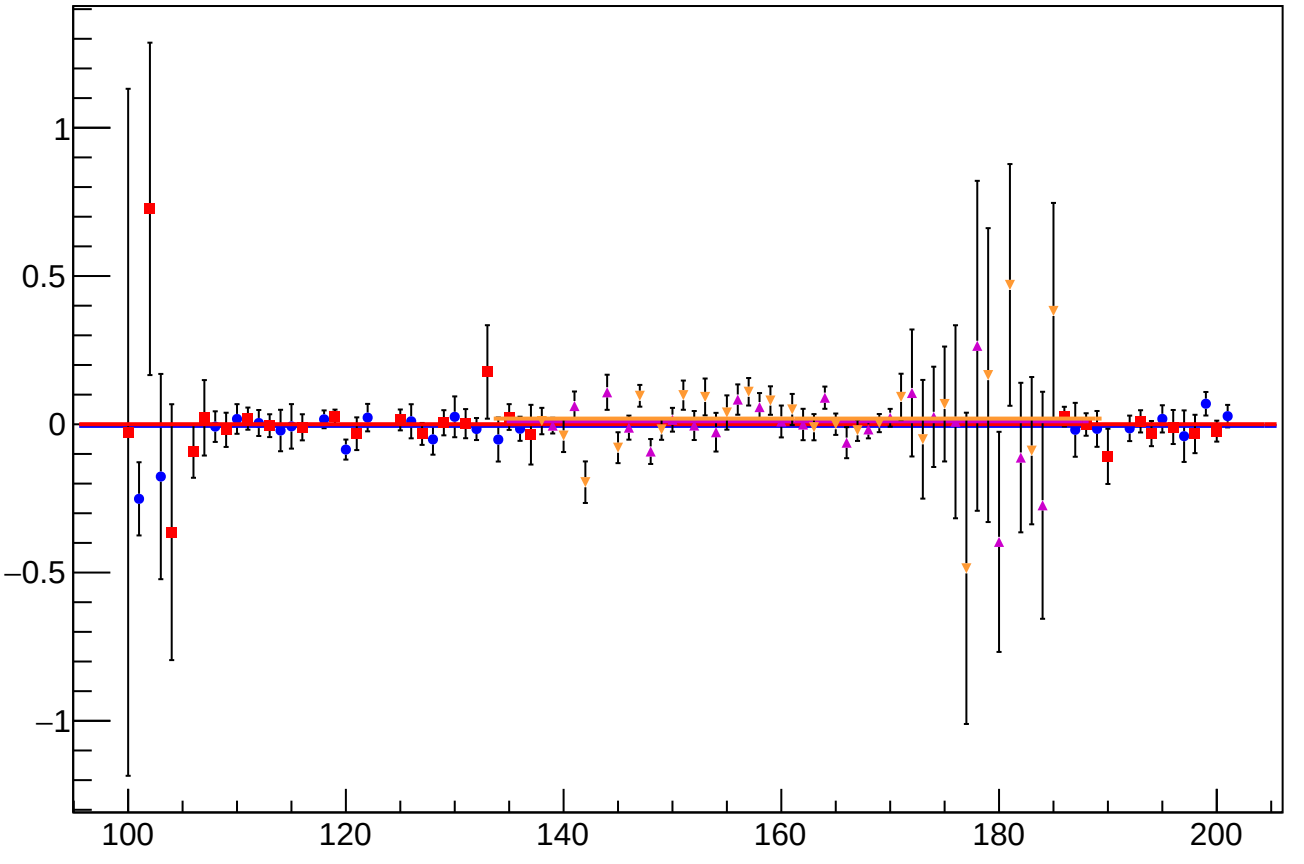
Right Out: 27.423+/-0.006 χ^2/NDF: 4253419.4/25

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.558+/-0.005 χ^2/NDF: 11746062.8/46

All: 32.548+/-0.004 χ^2/NDF: 26298534.0/95

- sign 30.860+/-0.005 χ^2/NDF: 14284239.0/48



Right In: -0.005+/-0.010 χ^2/NDF: 17.4/22

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

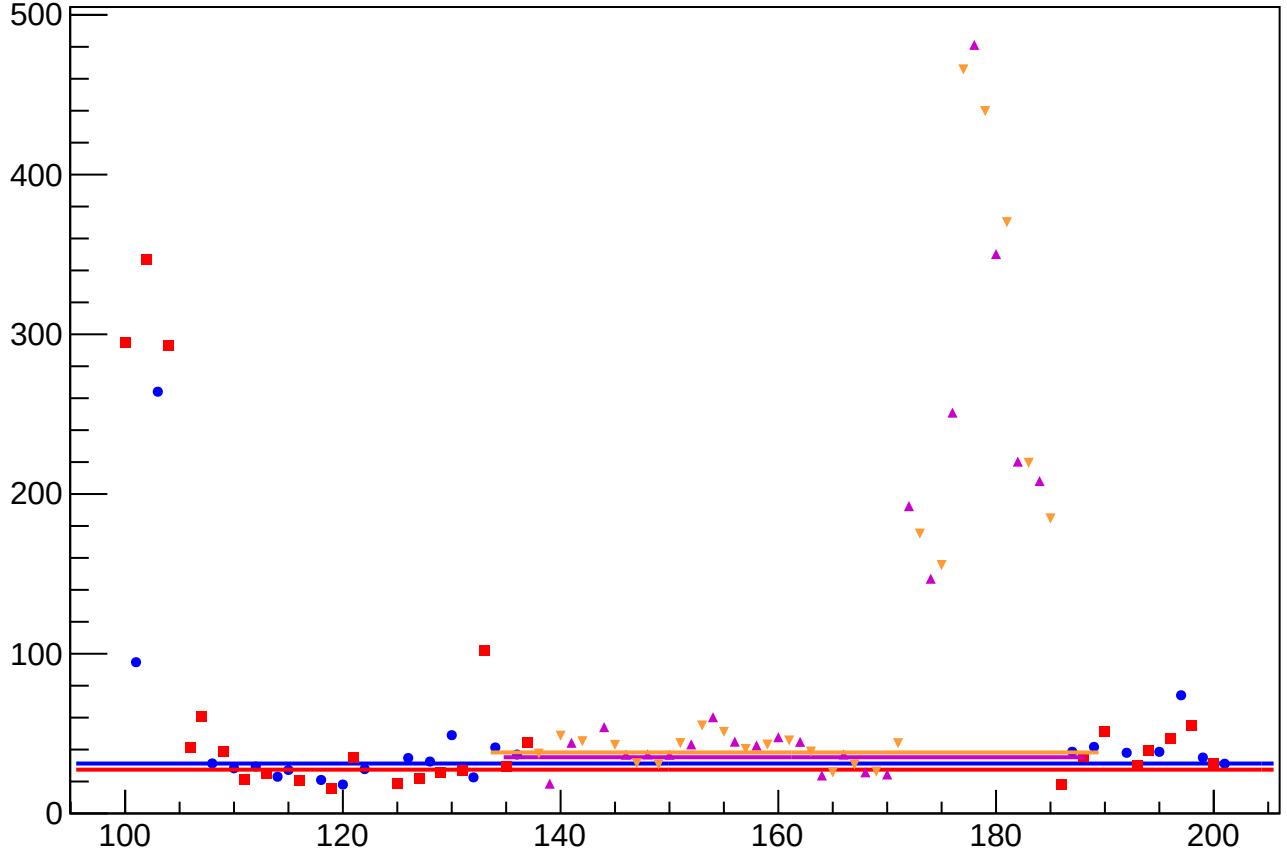
Right Out: 0.000+/-0.009 χ^2/NDF: 11.3/25

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: 91.5/95

- sign 0.005+/-0.007 χ^2/NDF: 35.4/48



Right In: 31.258+/-0.007 χ^2/NDF: 3026195.5/22

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

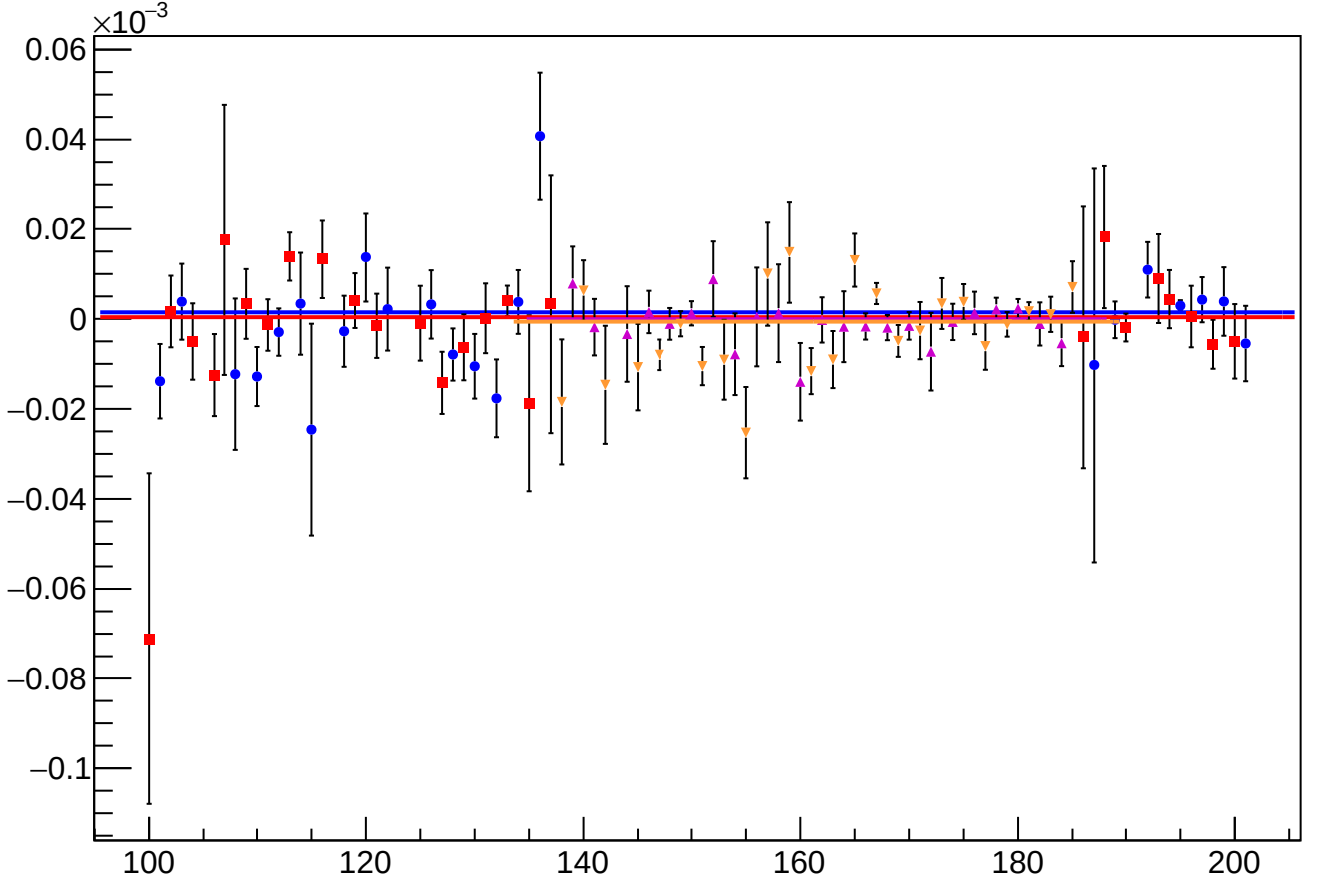
Right Out: 27.423+/-0.006 χ^2/NDF: 4253419.4/25

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.558+/-0.005 χ^2/NDF: 11746062.8/46

All: 32.548+/-0.004 χ^2/NDF: 26298534.0/95

- sign 30.860+/-0.005 χ^2/NDF: 14284239.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 36.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

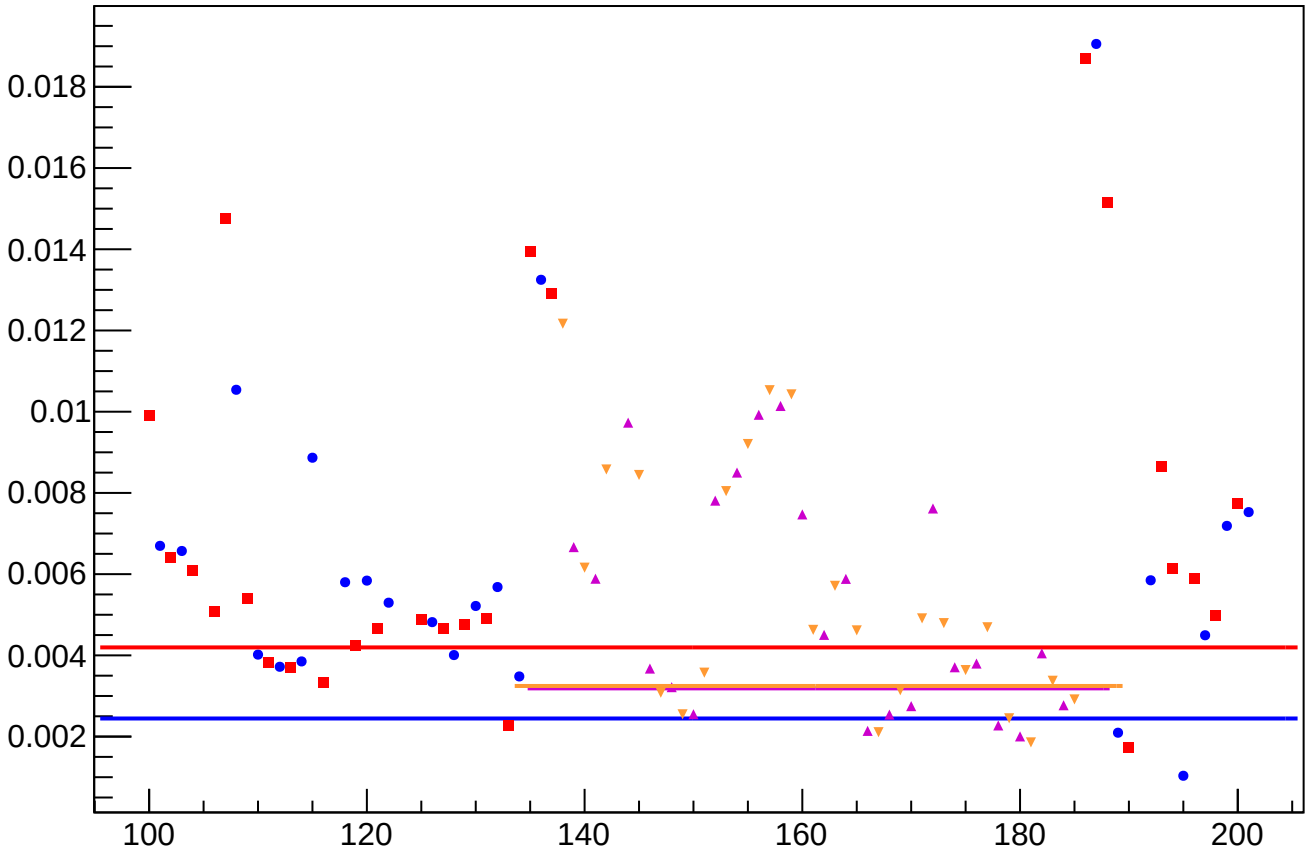
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/25

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: 128.8/95

- sign 0.000+/-0.000 χ^2/NDF: 38.9/48



Right In: 0.002+/-0.000 χ^2/NDF: 10229859.9/22

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

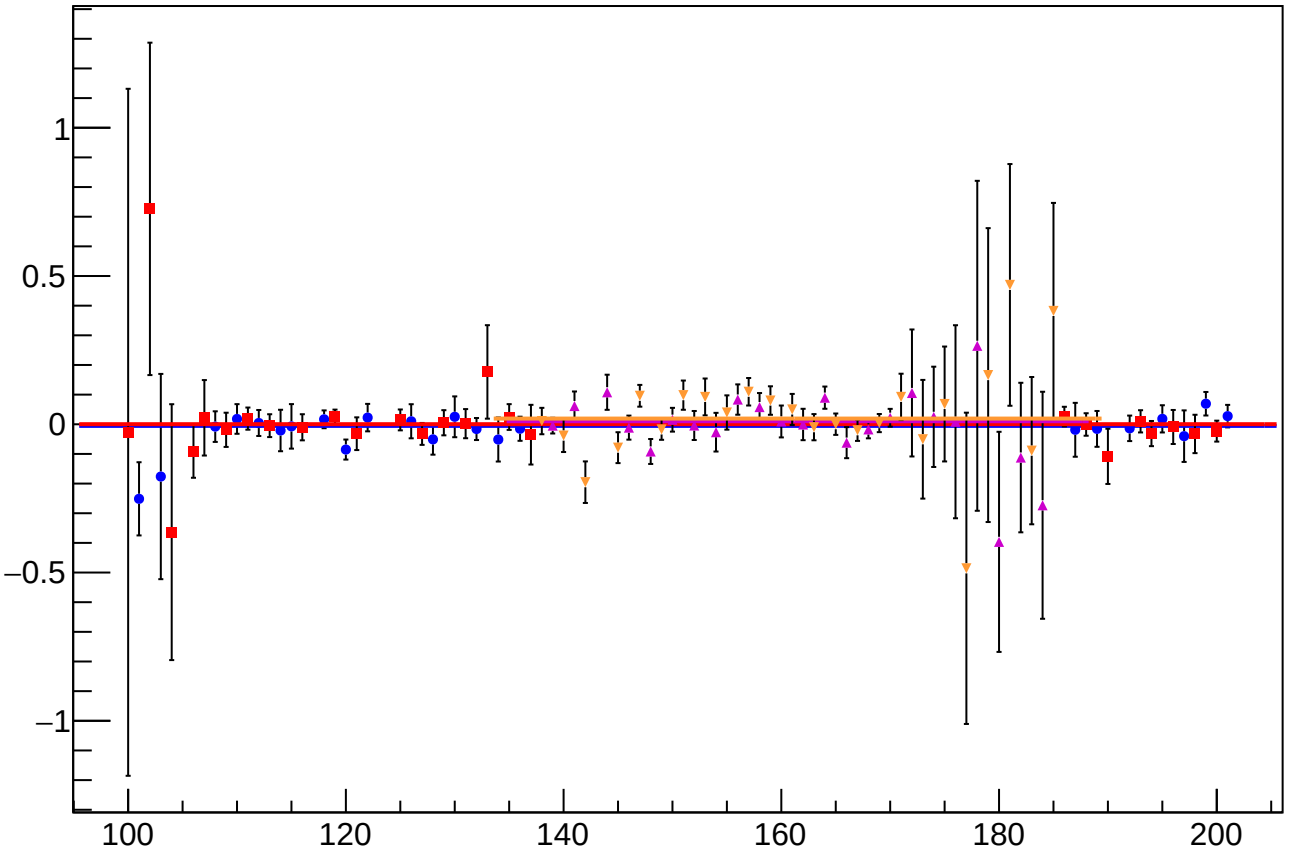
Right Out: 0.004+/-0.000 χ^2/NDF: 5868211.1/25

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: 33457132.9/95

\- sign 0.003+/-0.000 χ^2/NDF: 13976091.5/48



Right In: -0.005+/-0.010 χ^2/NDF: 17.4/22

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

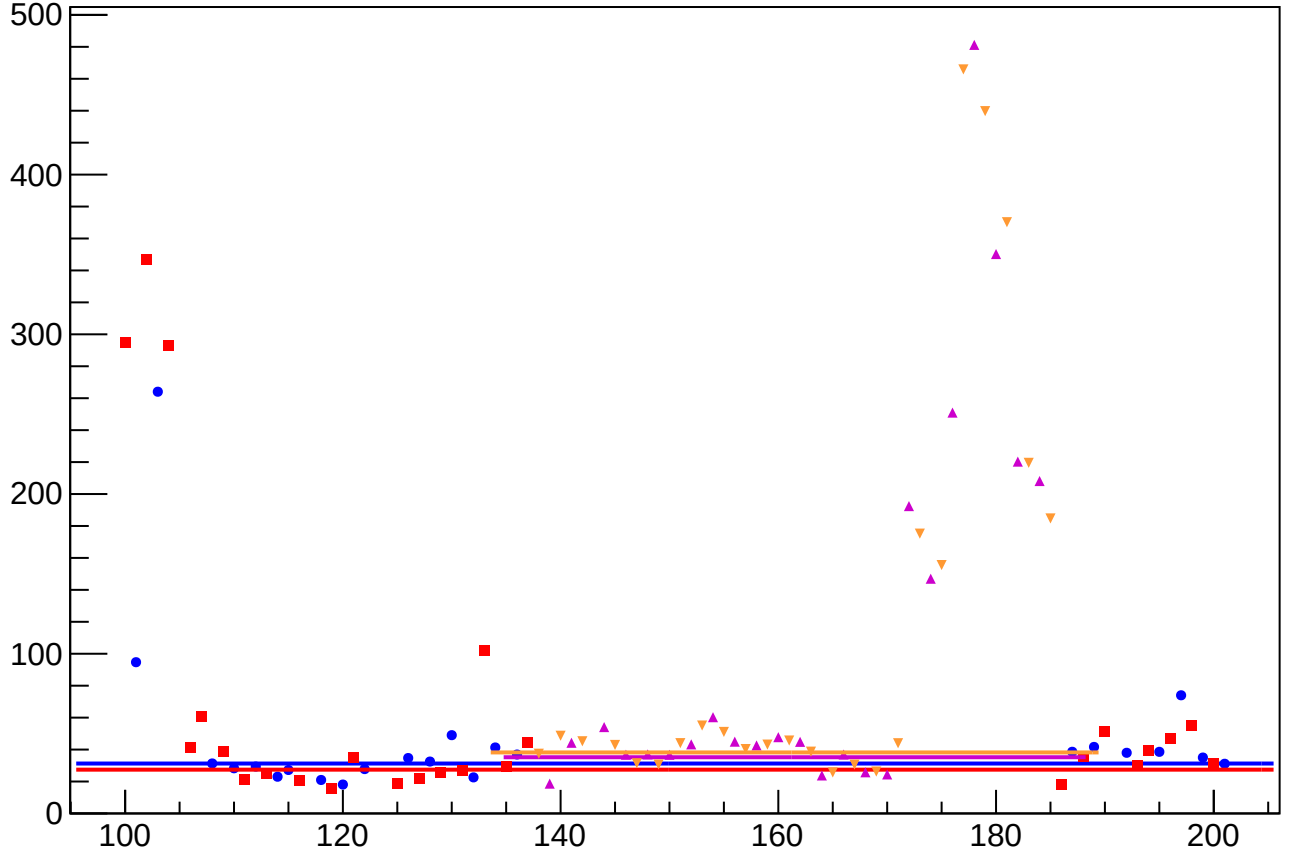
Right Out: 0.000+/-0.009 χ^2/NDF: 11.3/25

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: 91.5/95

- sign 0.005+/-0.007 χ^2/NDF: 35.4/48



Right In: 31.258+/-0.007 χ^2/NDF: 3026229.6/22

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

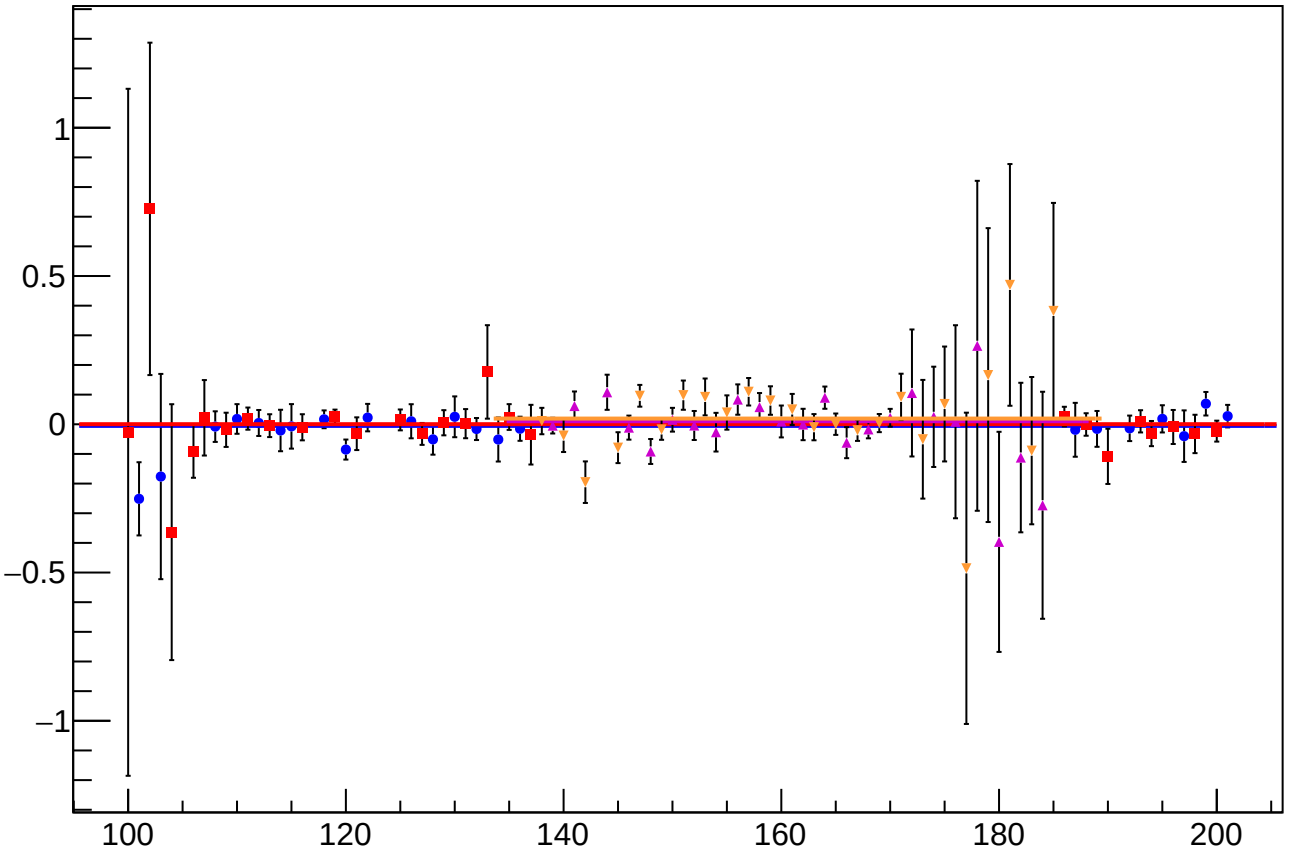
Right Out: 27.421+/-0.006 χ^2/NDF: 4253819.8/25

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.558+/-0.005 χ^2/NDF: 11746231.6/46

All: 32.547+/-0.004 χ^2/NDF: 26300029.9/95

- sign 30.858+/-0.005 χ^2/NDF: 14285374.8/48



Right In: -0.005+/-0.010 χ^2/NDF: 17.4/22

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

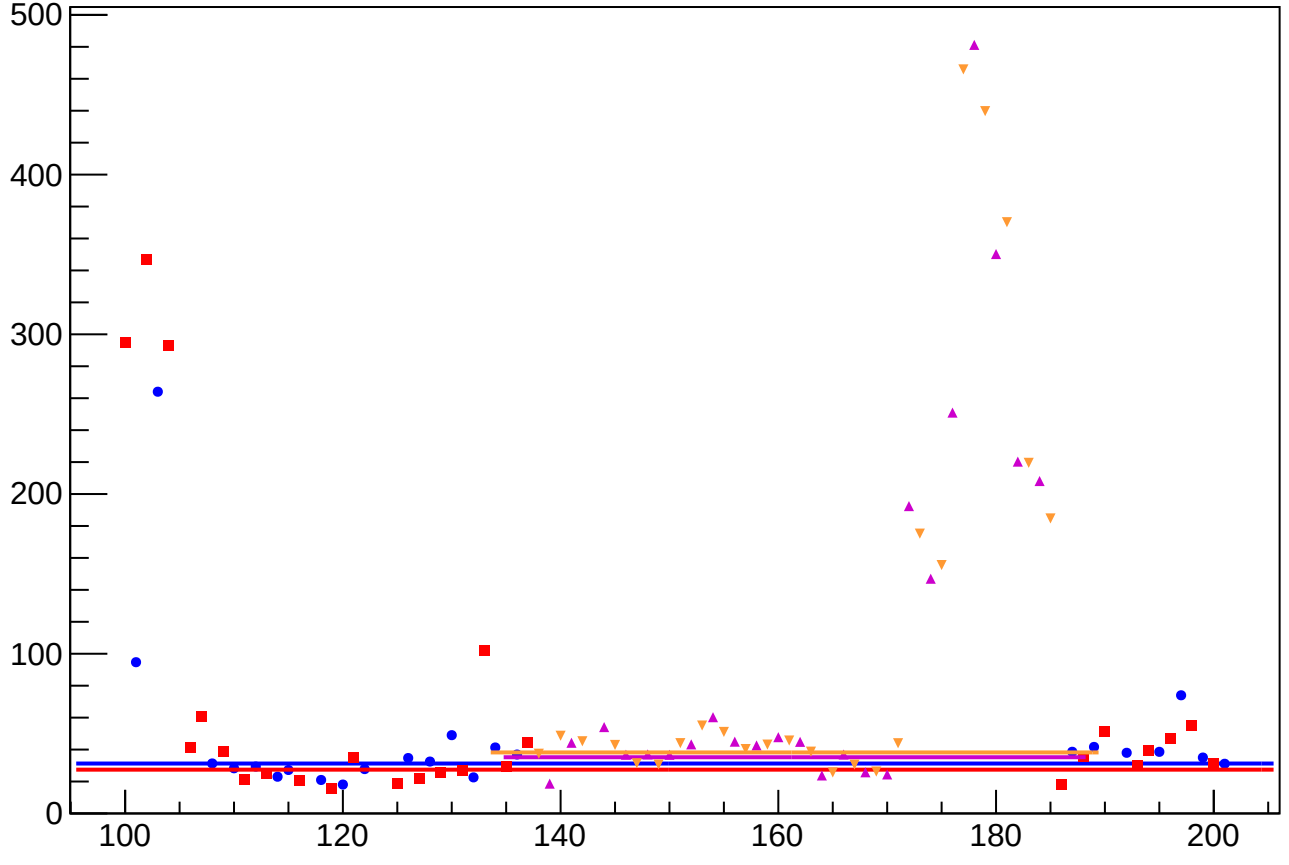
Right Out: 0.000+/-0.009 χ^2/NDF: 11.3/25

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: 91.5/95

- sign 0.005+/-0.007 χ^2/NDF: 35.4/48



Right In: 31.258+/-0.007 χ^2/NDF: 3026229.6/22

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

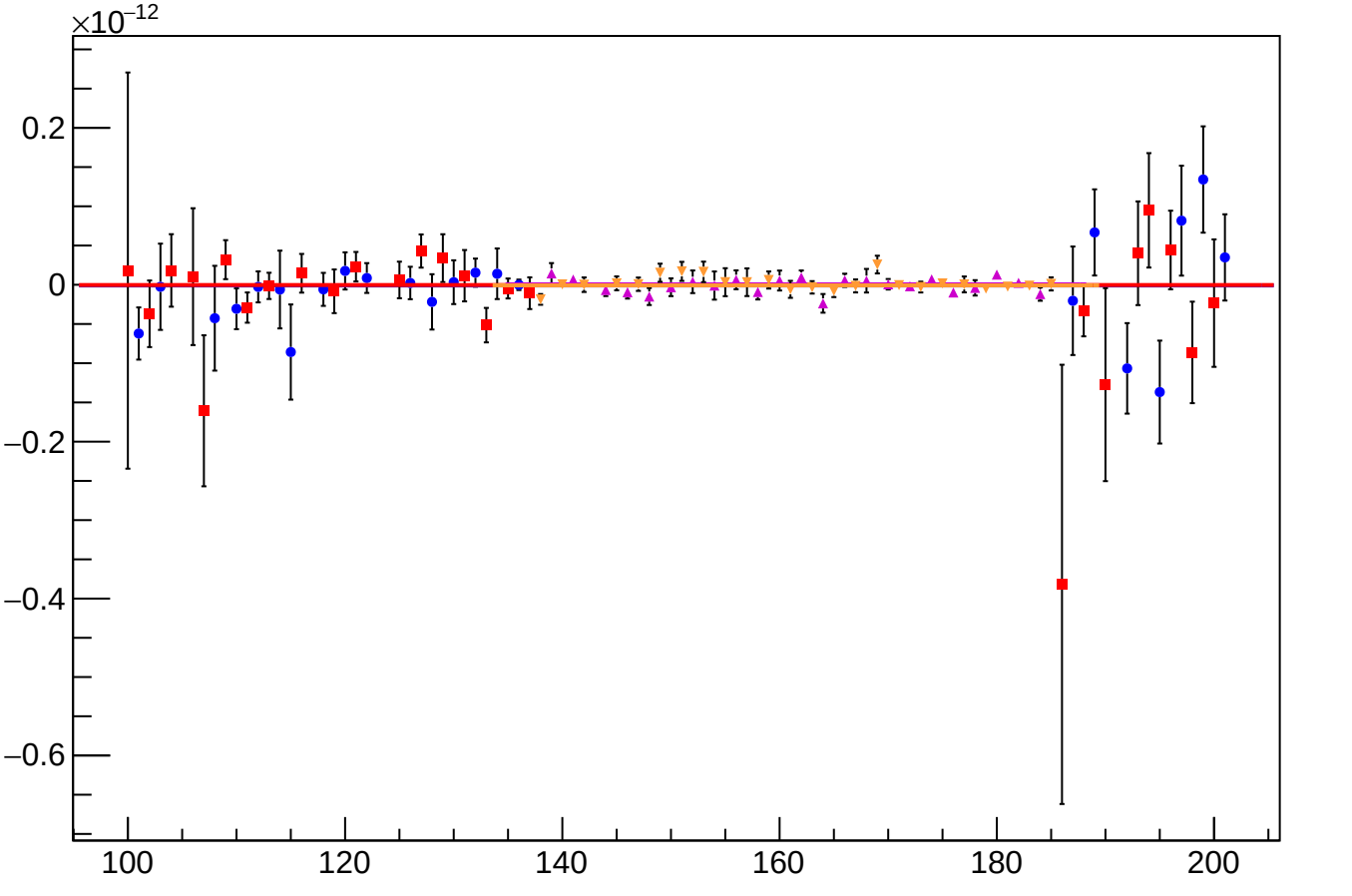
Right Out: 27.421+/-0.006 χ^2/NDF: 4253819.8/25

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.558+/-0.005 χ^2/NDF: 11746231.6/46

All: 32.547+/-0.004 χ^2/NDF: 26300029.9/95

- sign 30.858+/-0.005 χ^2/NDF: 14285374.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

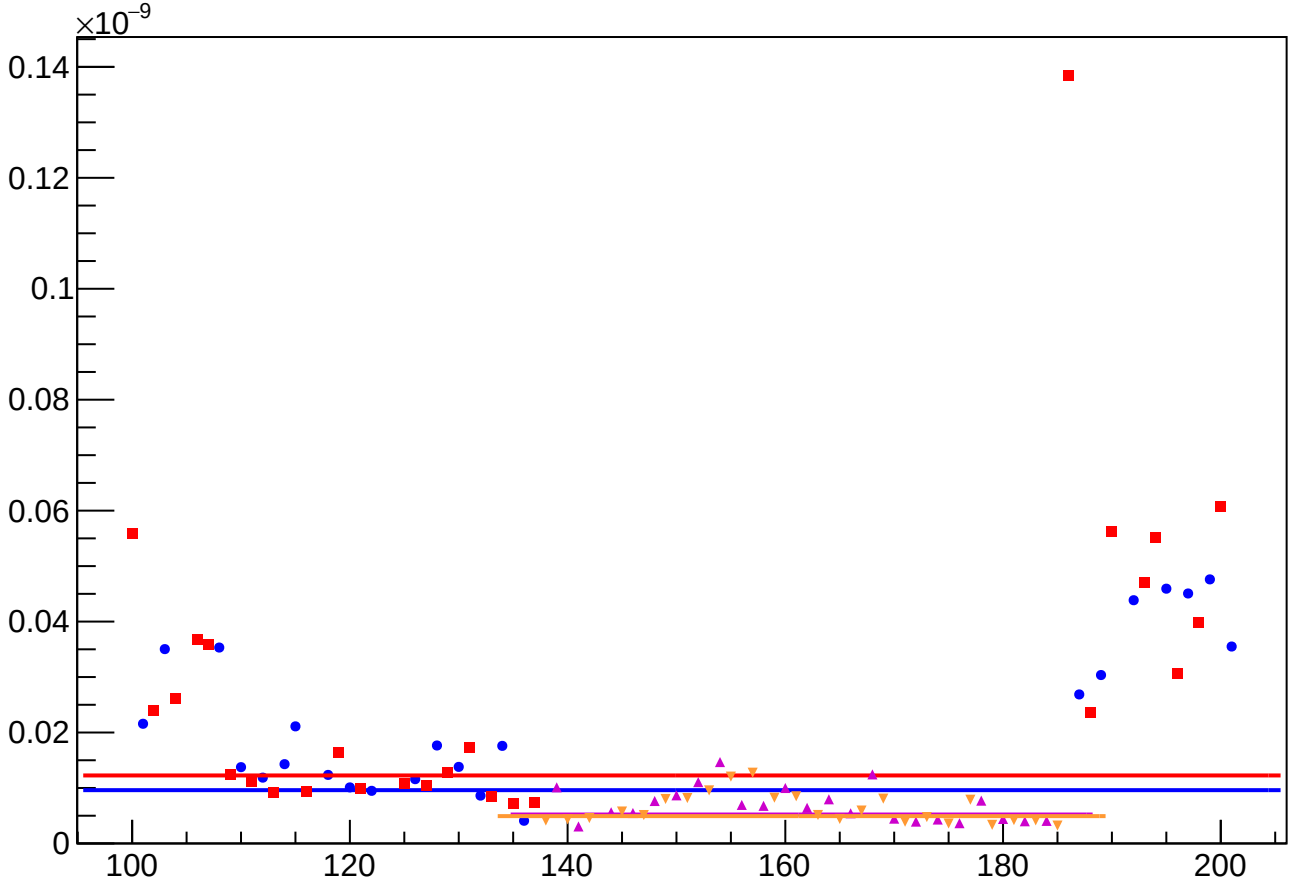
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/25

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: 101.9/95

- sign 0.000+/-0.000 χ^2/NDF: 56.0/48



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: 4897355.7/25

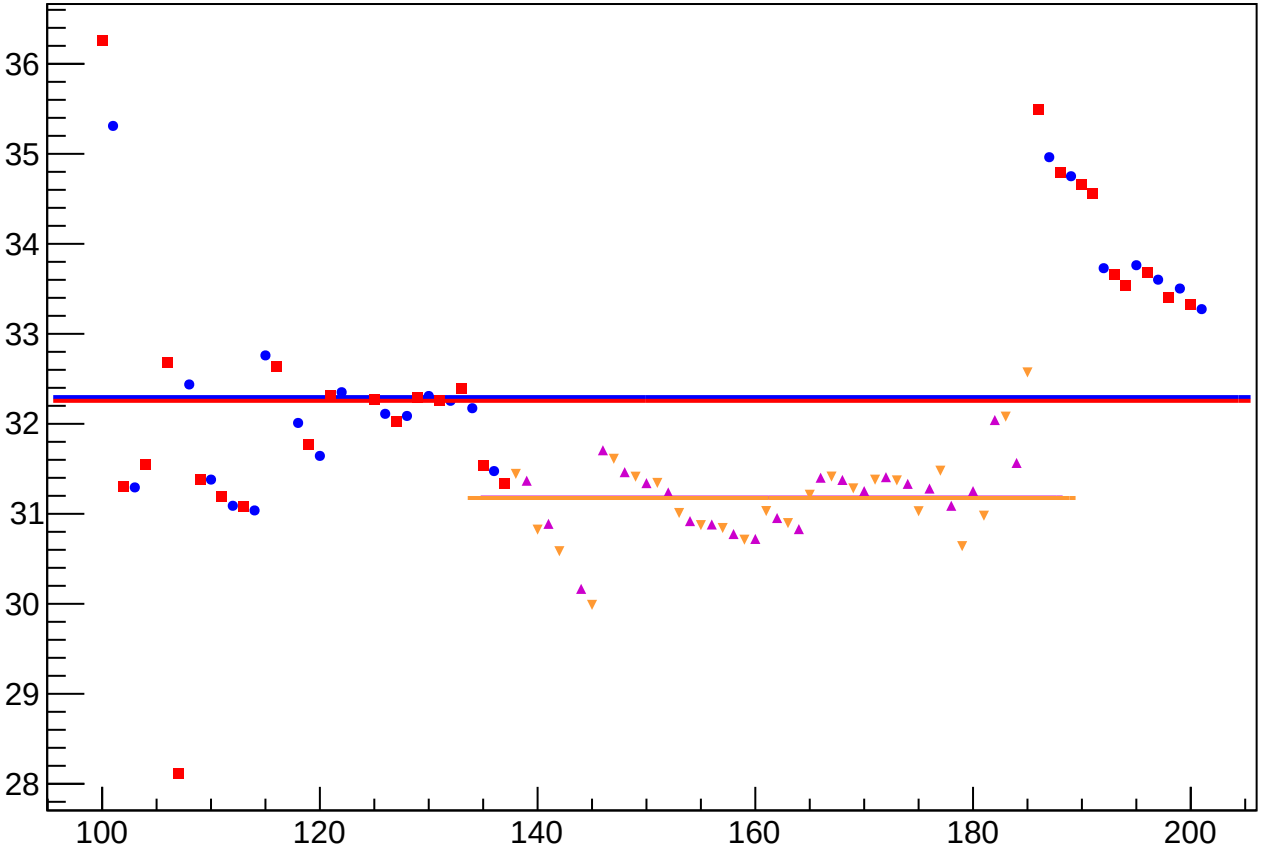
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10581924.7/46

All: 0.000+/-0.000 χ^2/NDF: 22080832.1/95

- sign 0.000+/-0.000 χ^2/NDF: 11429176.8/48

yield_usl_mean vs Slug



Right In: 32.297+/-0.000 χ^2/NDF: 1524330875.5/22

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

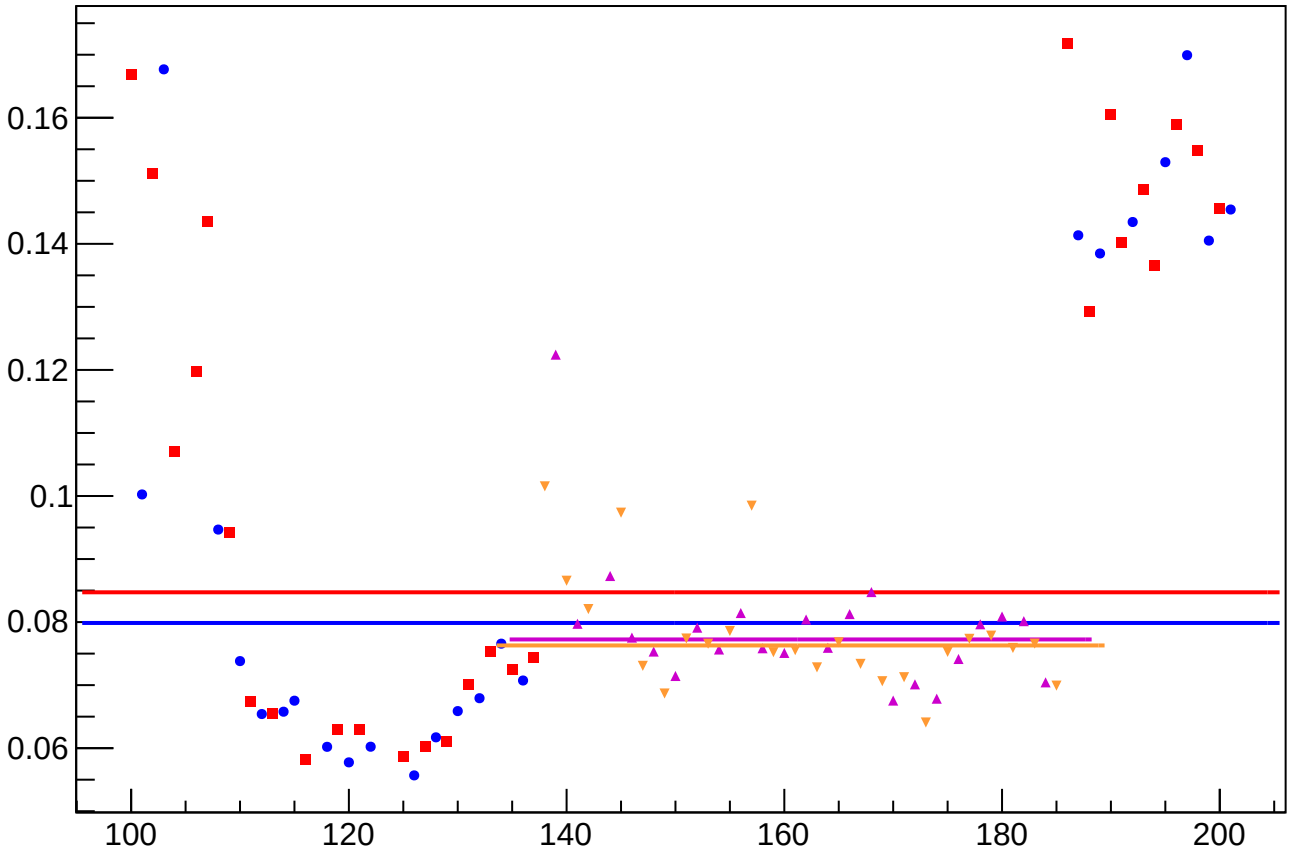
Right Out: 32.256+/-0.000 χ^2/NDF: 1620814326.1/26

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.571+/-0.000 χ^2/NDF: 3328457961.2/46

All: 31.567+/-0.000 χ^2/NDF: 6461976717.9/9

- sign 31.562+/-0.000 χ^2/NDF: 3133369571.2/49



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: 0.085+/-0.000 χ^2/NDF: 3521746.4/26

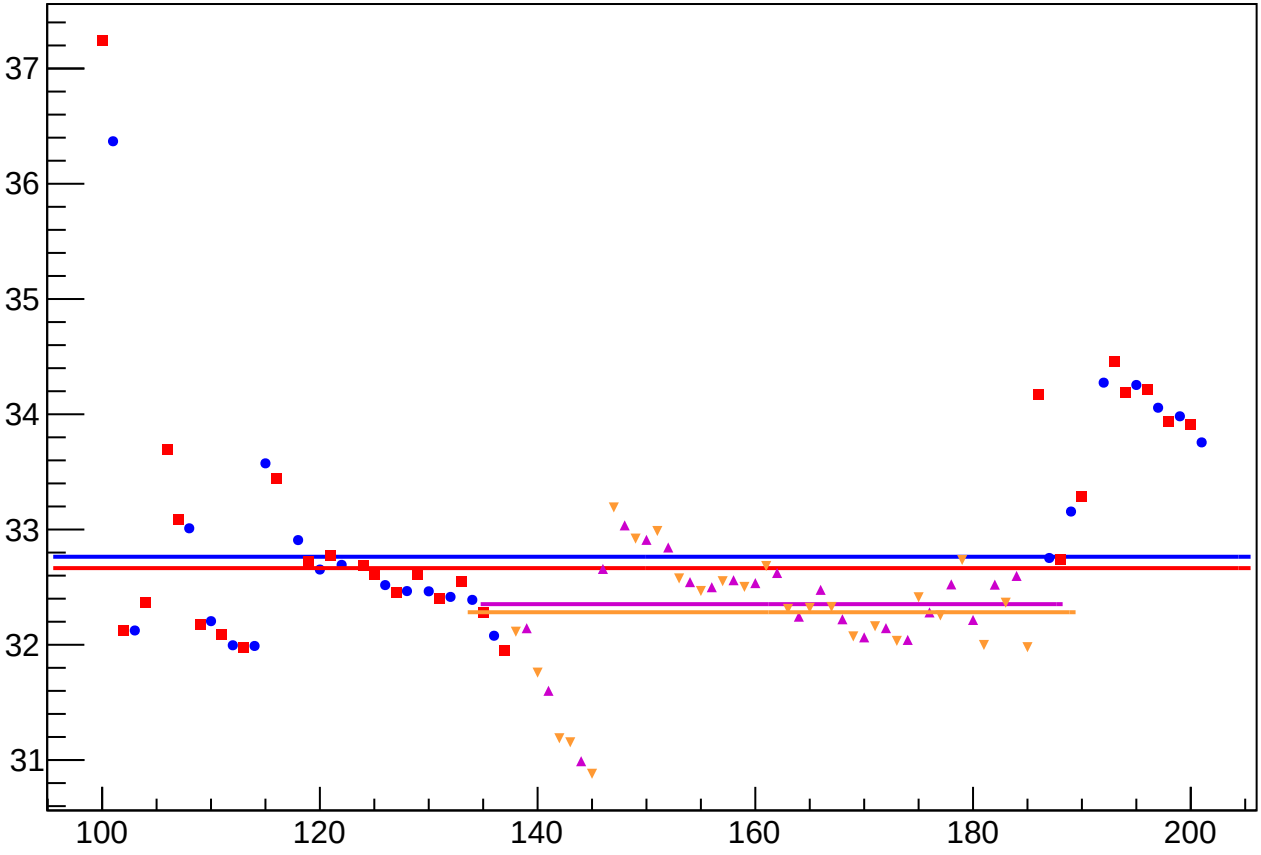
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.078+/-0.000 χ^2/NDF: 3544781.9/46

All: 0.079+/-0.000 χ^2/NDF: 7565935.3/96

- sign 0.080+/-0.000 χ^2/NDF: 3997013.5/49

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: 32.665+/-0.000 χ^2/NDF: 412502738.2/26

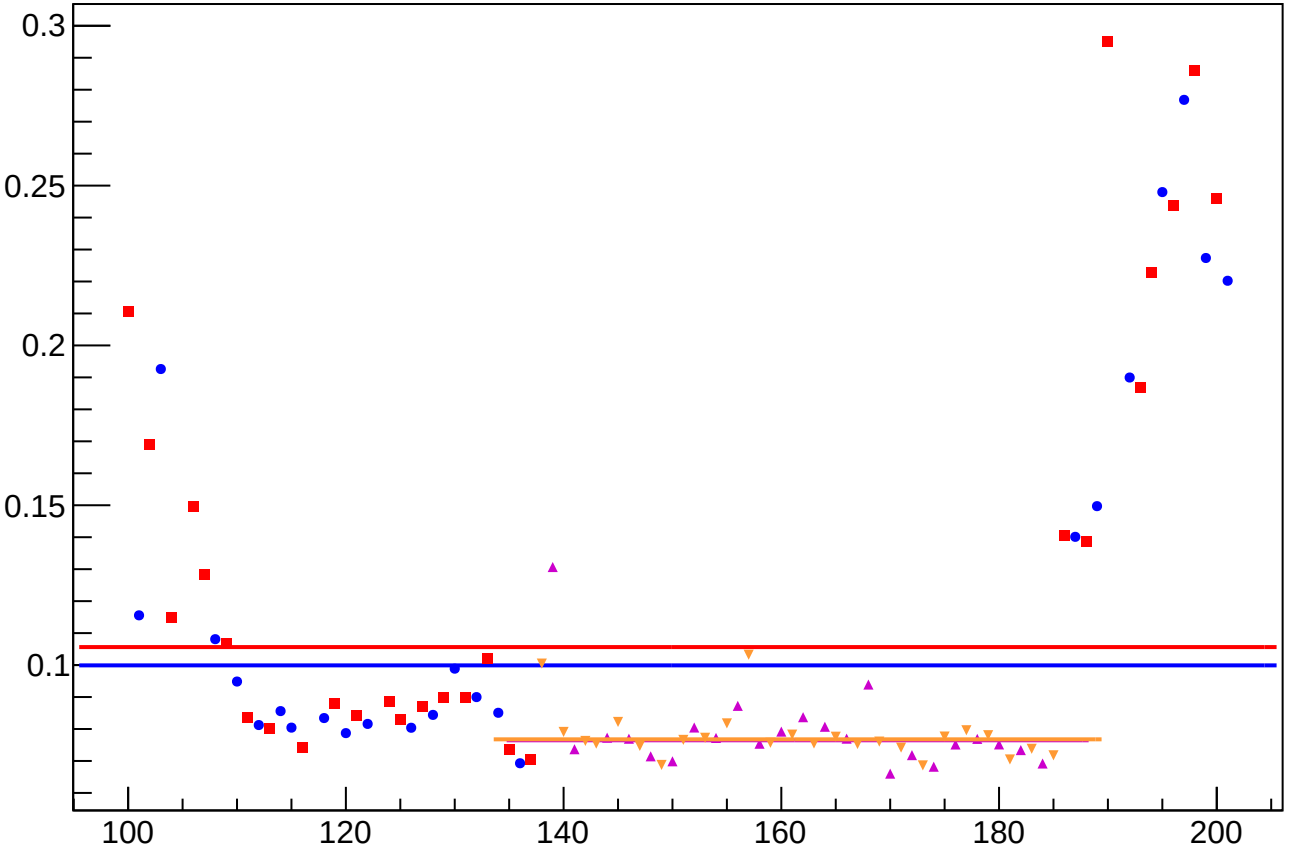
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.399+/-0.000 χ^2/NDF: 1913112185.1/47

All: 32.414+/-0.000 χ^2/NDF: 2986562401.8/9

- sign 32.429+/-0.000 χ^2/NDF: 1071615545.4/49

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: 0.106+/-0.000 χ^2/NDF: 3904580.6/26

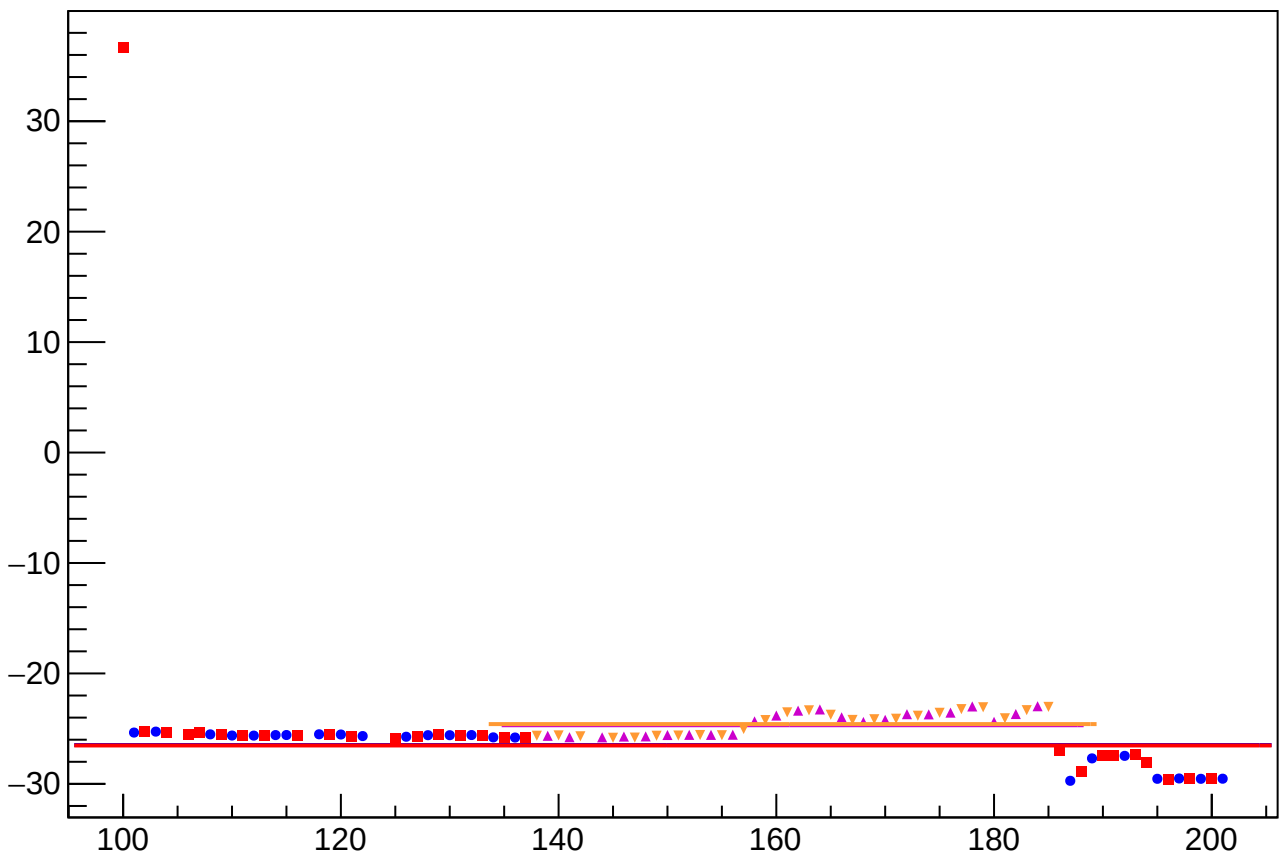
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.082+/-0.000 χ^2/NDF: 4731220.9/47

All: 0.083+/-0.000 χ^2/NDF: 10329373.9/97

- sign 0.084+/-0.000 χ^2/NDF: 5591743.0/49

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: -26.521+/-0.000 χ^2/NDF: 22356256054.4/26

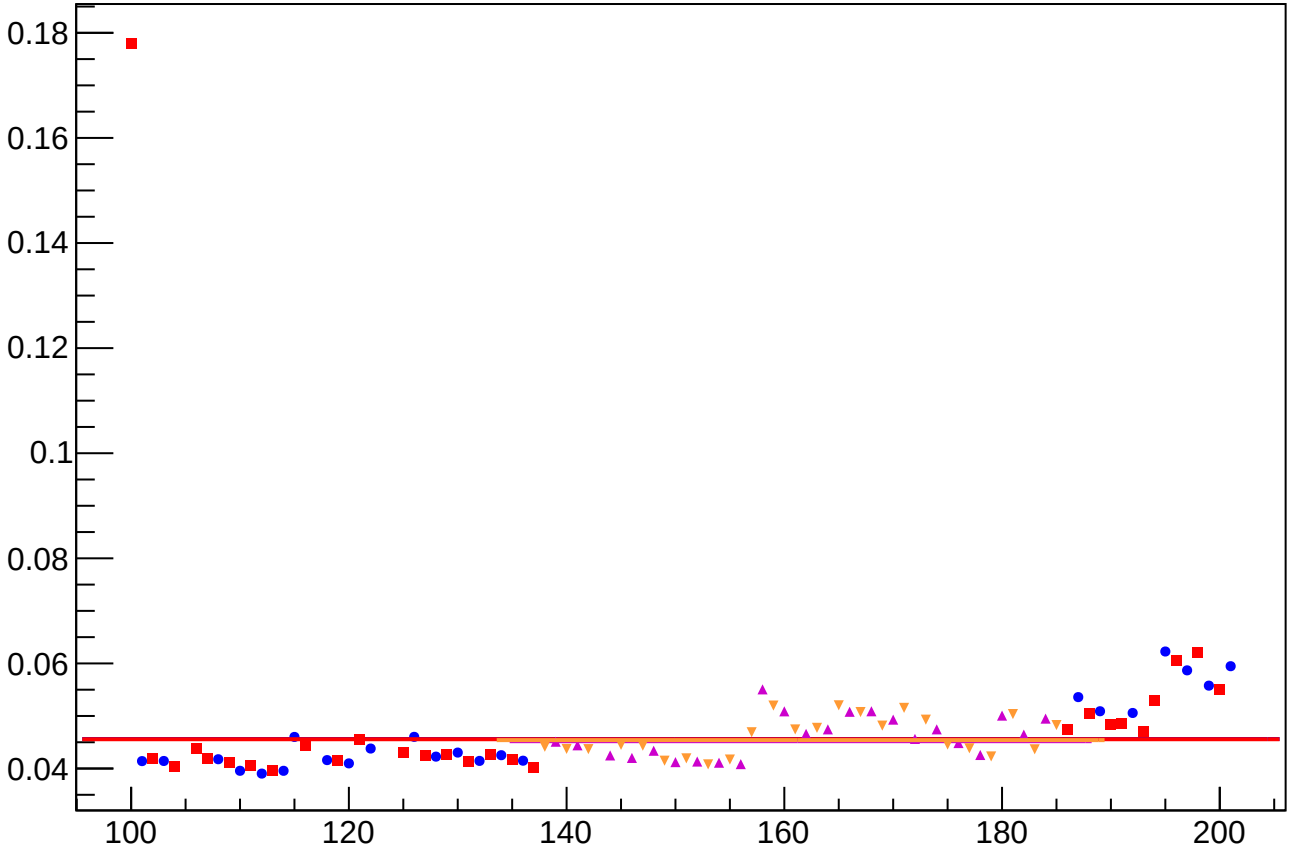
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.334+/-0.000 χ^2/NDF: 35104054660.8/46

All: -25.396+/-0.000 χ^2/NDF: 78637641590.8

- sign -25.456+/-0.000 χ^2/NDF: 43425053341.5/49

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: 530303.2/26

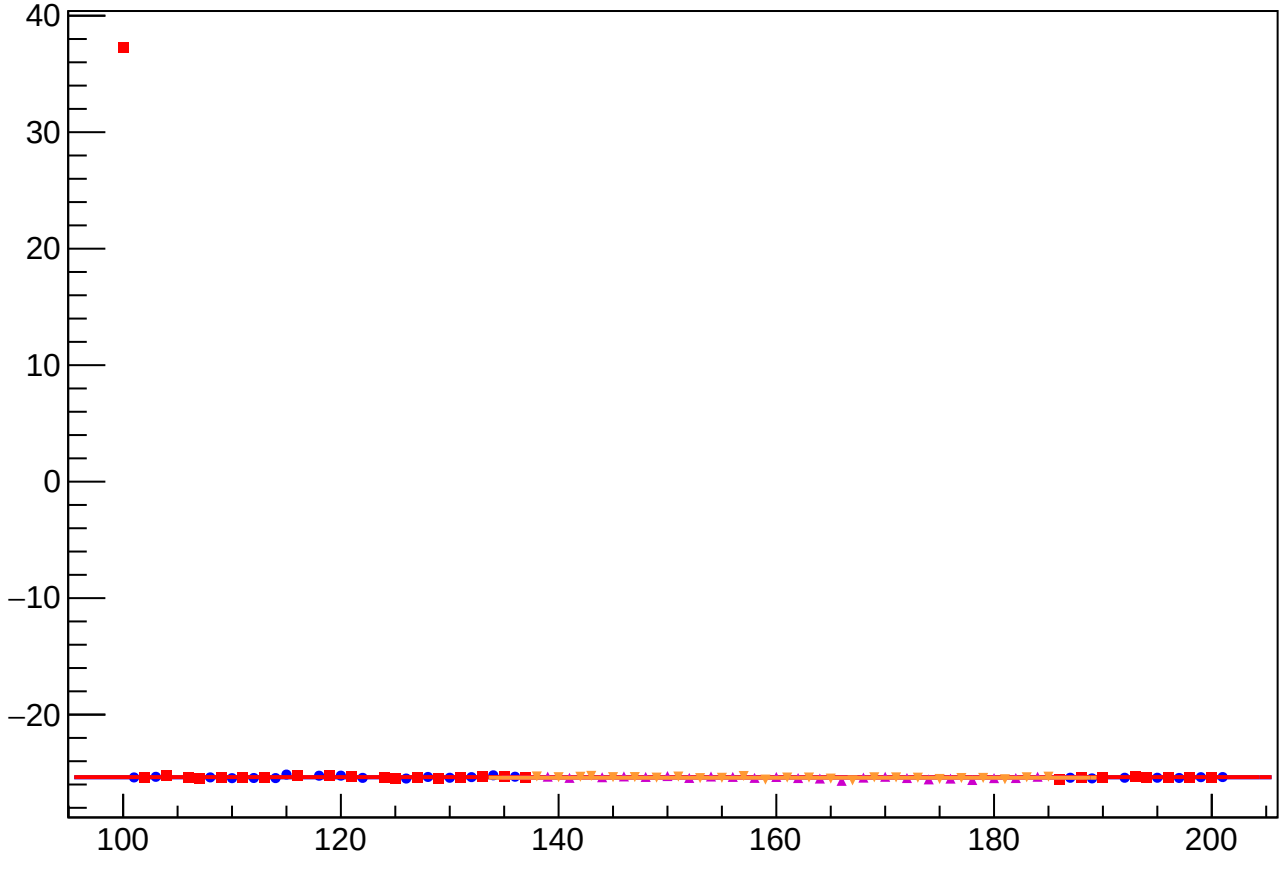
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.045+/-0.000 χ^2/NDF: 728142.0/46

All: 0.045+/-0.000 χ^2/NDF: 1504378.5/96

- sign 0.045+/-0.000 χ^2/NDF: 775991.2/49

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: -25.365+/-0.000 χ^2/NDF: 6329170678.5/26

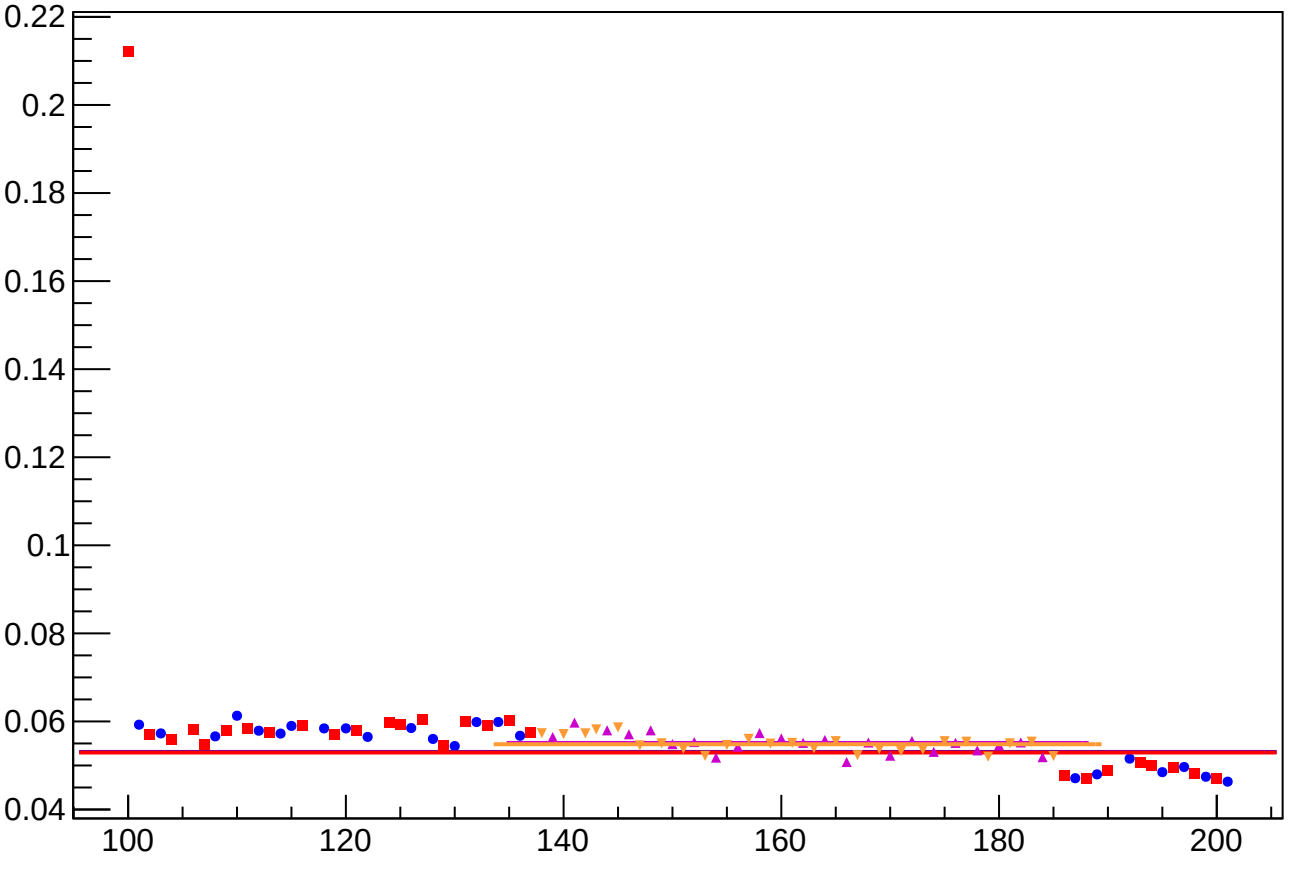
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.404+/-0.000 χ^2/NDF: 73281408.9/47

All: -25.398+/-0.000 χ^2/NDF: 6465361700.7/

- sign -25.392+/-0.000 χ^2/NDF: 6391384355.4/49

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: 302234.8/26

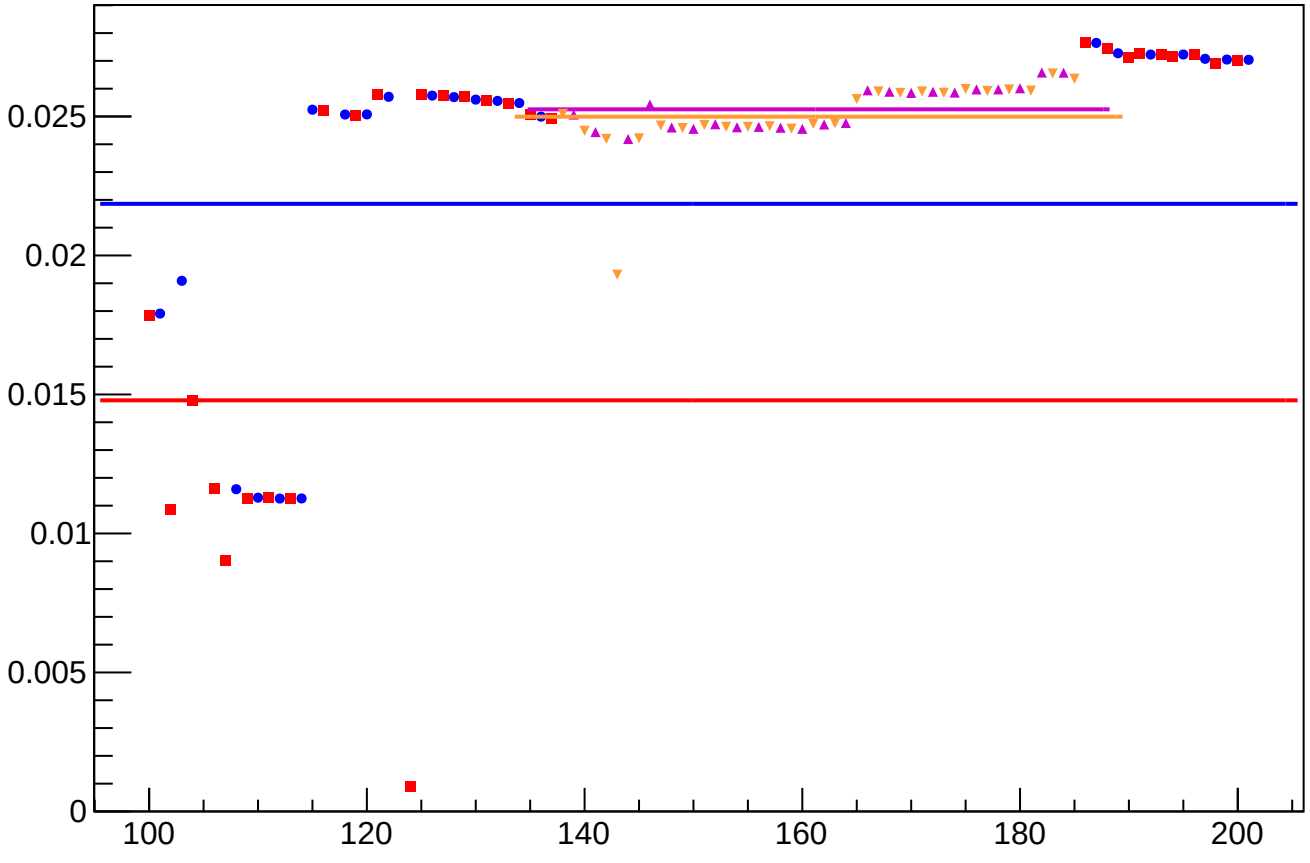
Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.054+/-0.000 χ^2/NDF: 256321.7/47

All: 0.054+/-0.000 χ^2/NDF: 634149.7/97

- sign 0.054+/-0.000 χ^2/NDF: 377808.5/49

yield_atl1_mean vs Slug



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: 386964430908.5/27

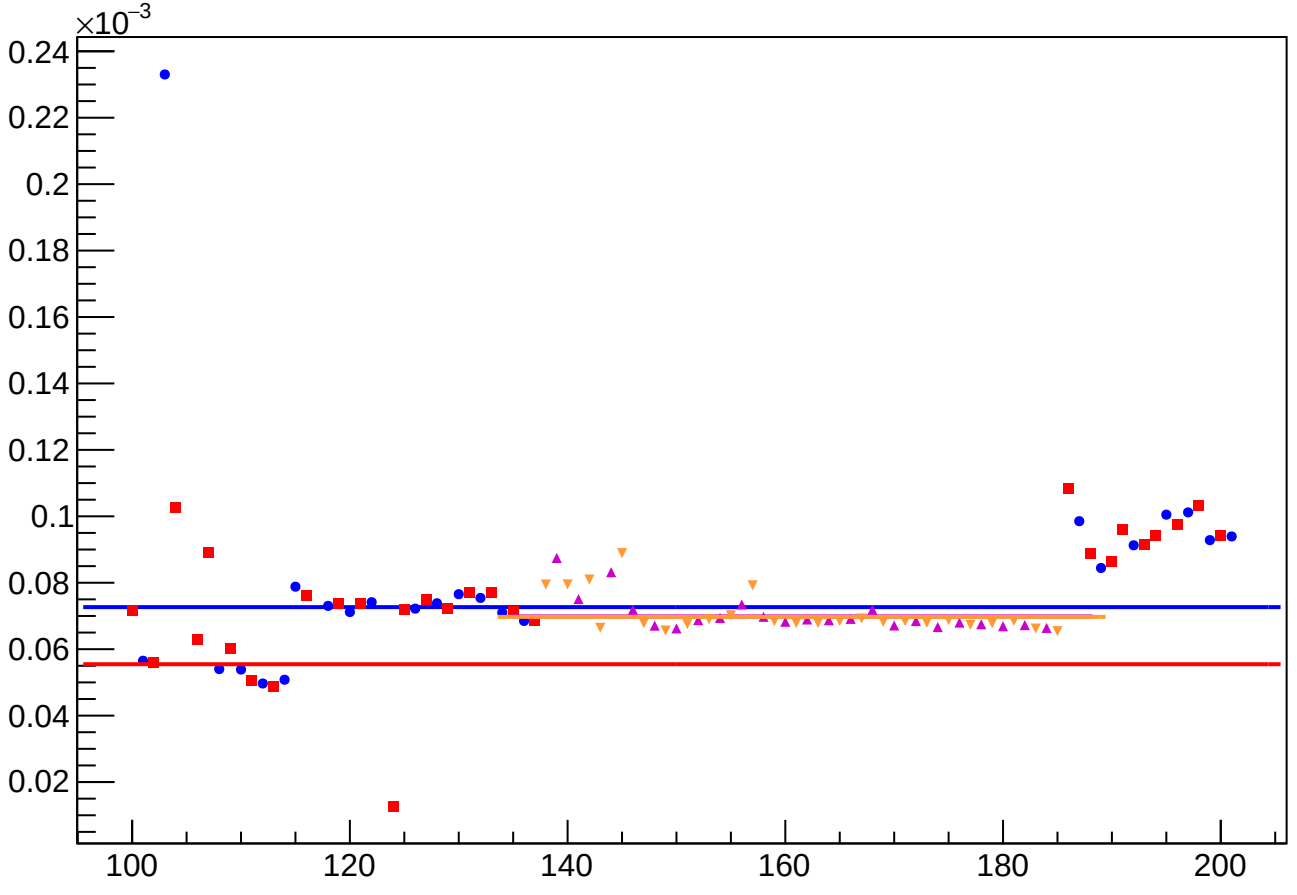
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 105519865263.8/47

All: 0.022+/-0.000 χ^2/NDF: 721327067188.3

- sign 0.020+/-0.000 χ^2/NDF: 576522229587.8/50

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: 6464369.5/27

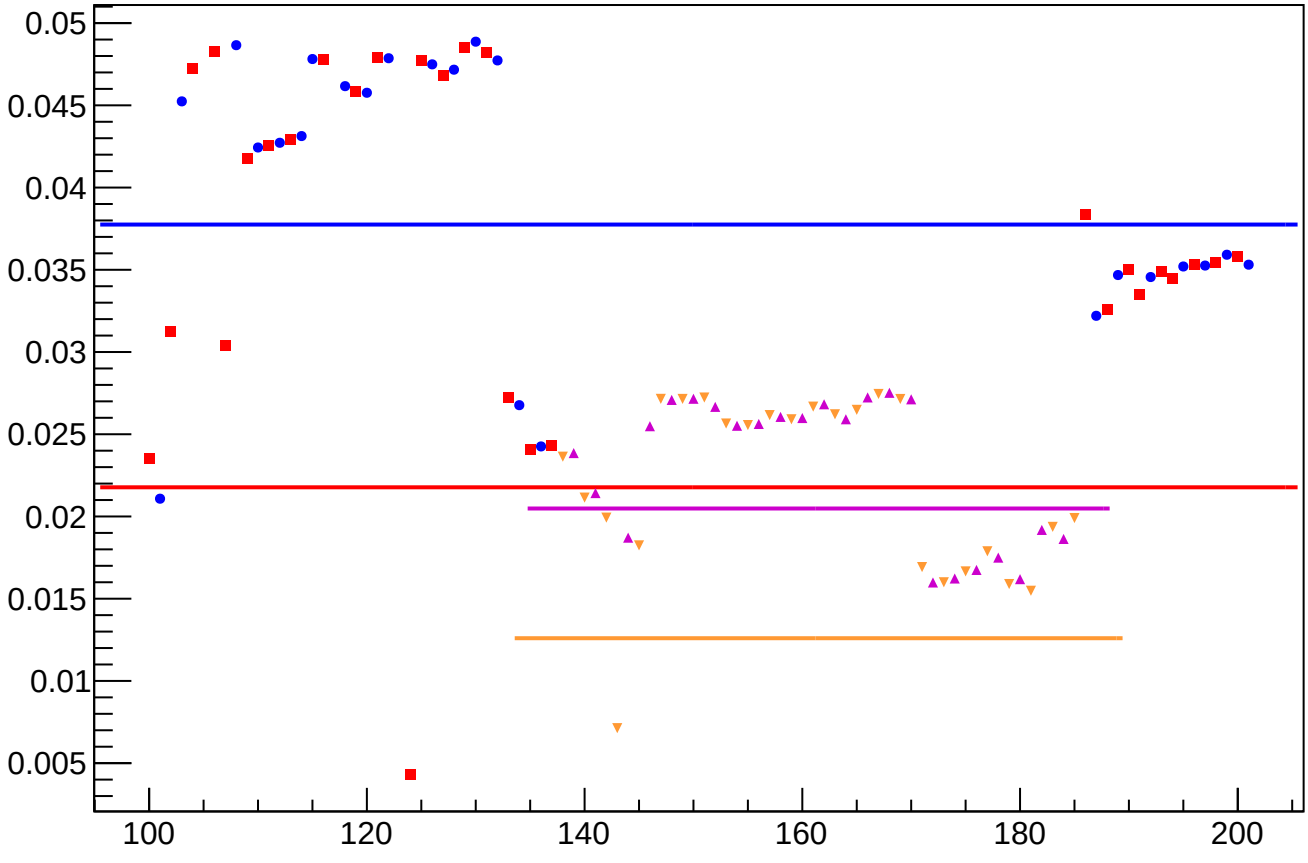
Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1769680.8/47

All: 0.000+/-0.000 χ^2/NDF: 9465743.4/98

- sign 0.000+/-0.000 χ^2/NDF: 7326421.2/50

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

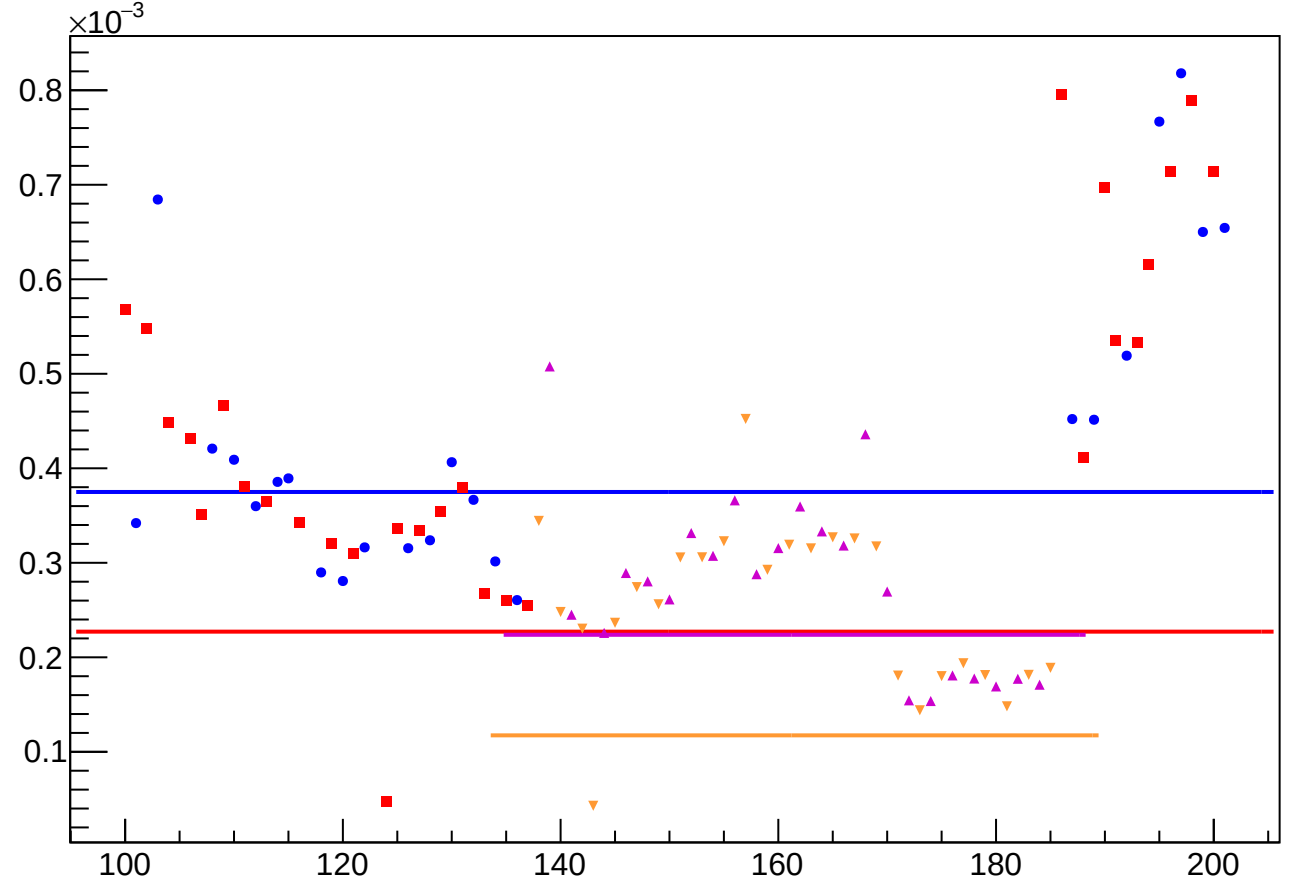
Right Out: 0.022+/-0.000 χ^2/NDF: 45247331673.3/27

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: 148441046697.0

- sign 0.021+/-0.000 χ^2/NDF: 51505356342.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 2503083.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

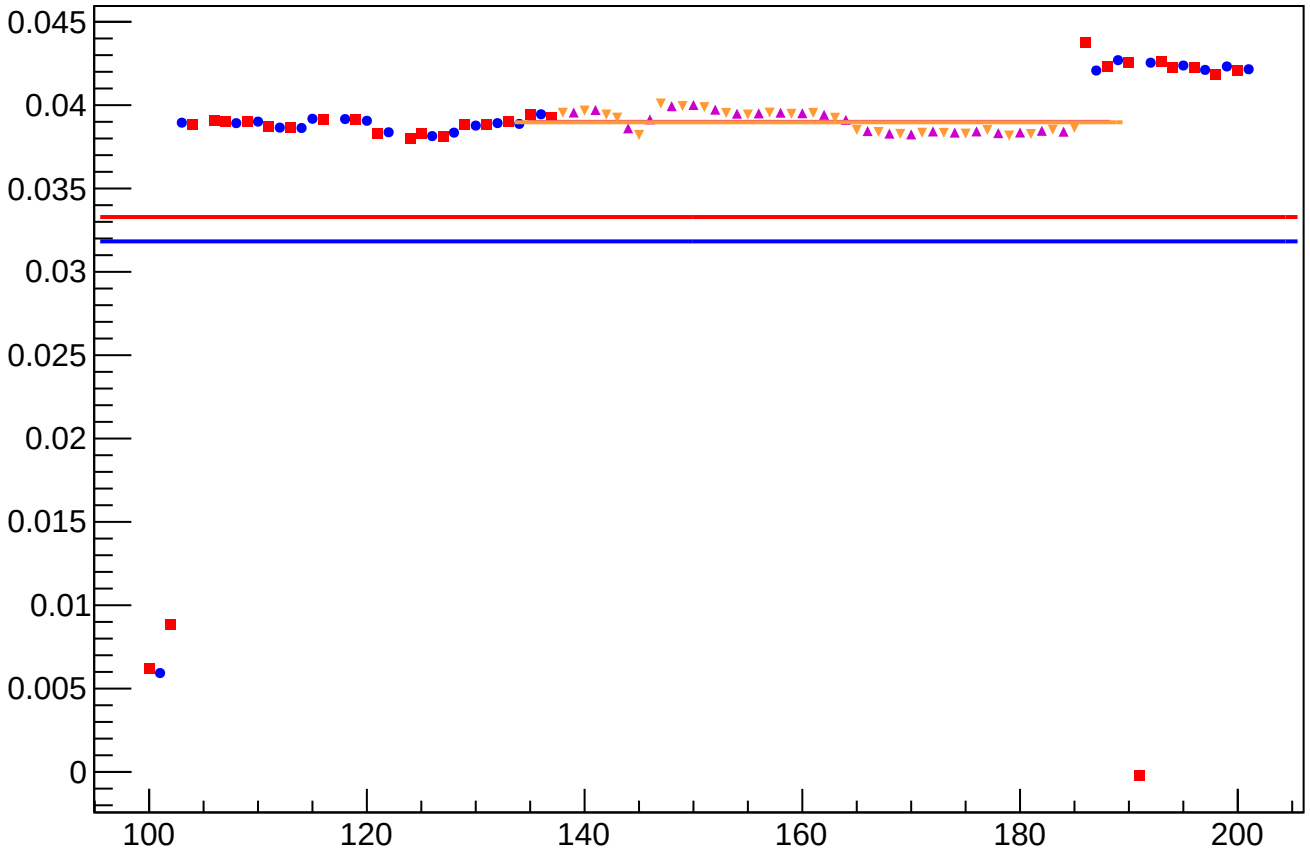
Right Out: 0.000+/-0.000 χ^2/NDF: 10946023.7/27

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: 44117118.0/98

- sign 0.000+/-0.000 χ^2/NDF: 14336367.8/50



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: 113272484145.0/27

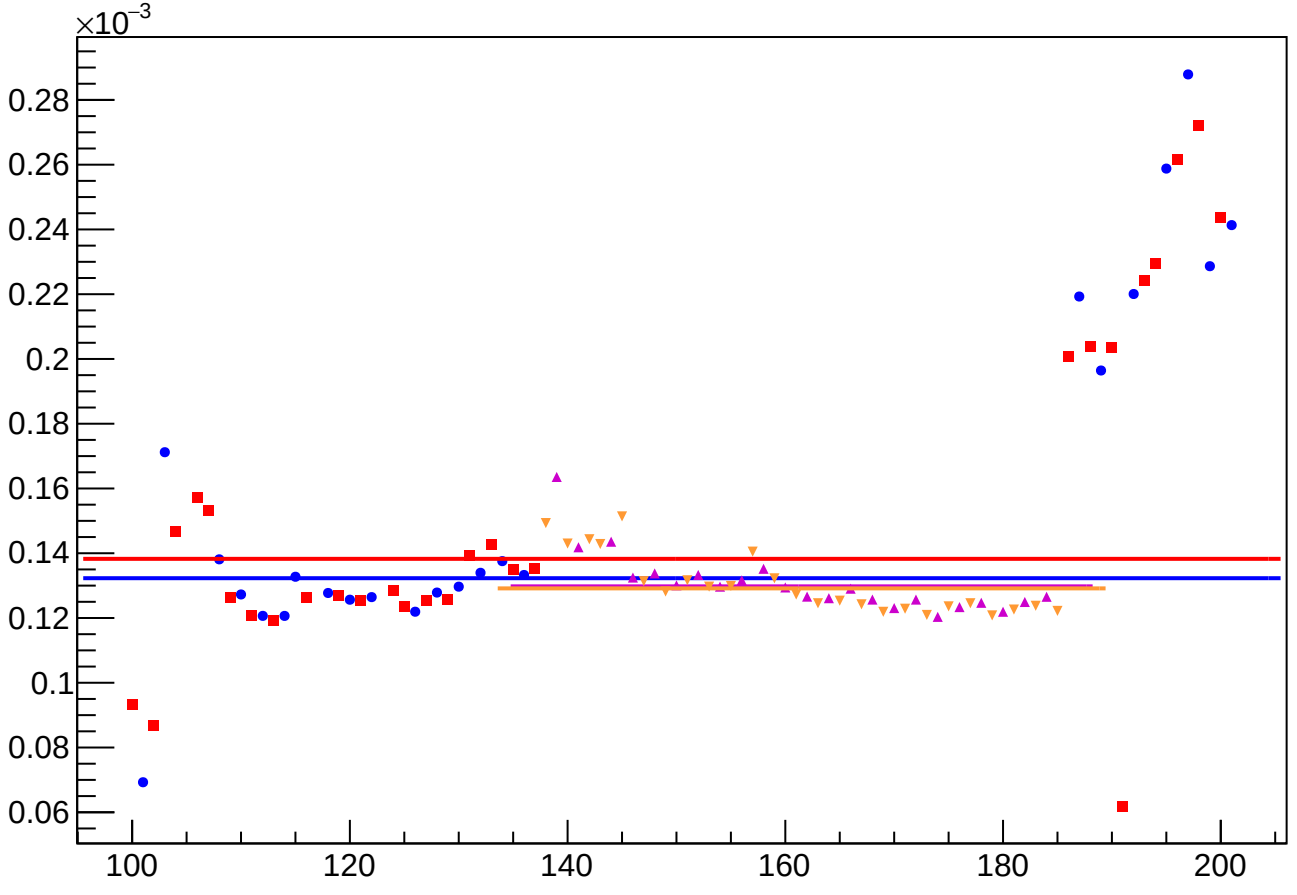
Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.037+/-0.000 χ^2/NDF: 140356124691.1/47

All: 0.037+/-0.000 χ^2/NDF: 266742342251.7

- sign 0.037+/-0.000 χ^2/NDF: 126238987883.5/50

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: 2912706.6/27

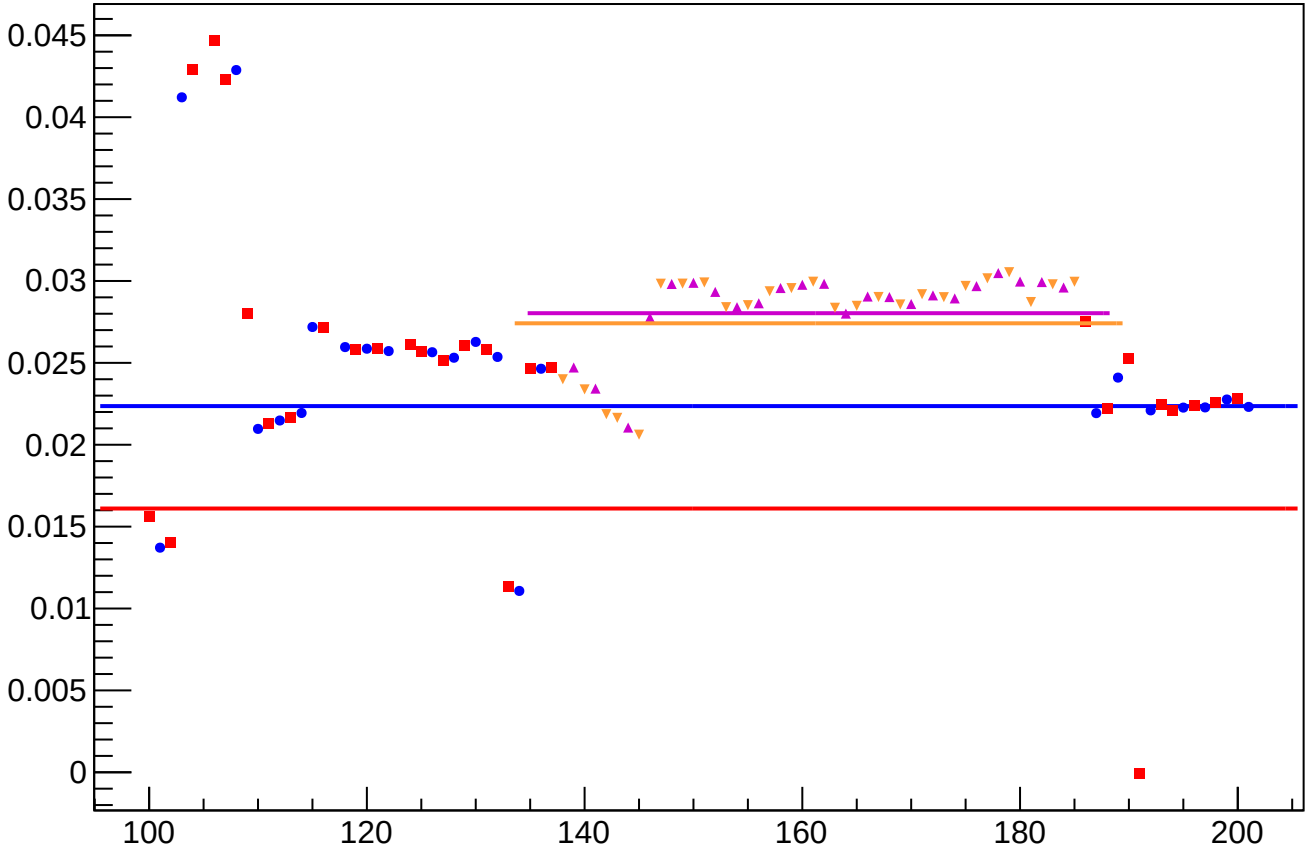
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3298616.7/47

All: 0.000+/-0.000 χ^2/NDF: 6420500.3/98

- sign 0.000+/-0.000 χ^2/NDF: 3110171.7/50

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: 25071219235.3/27

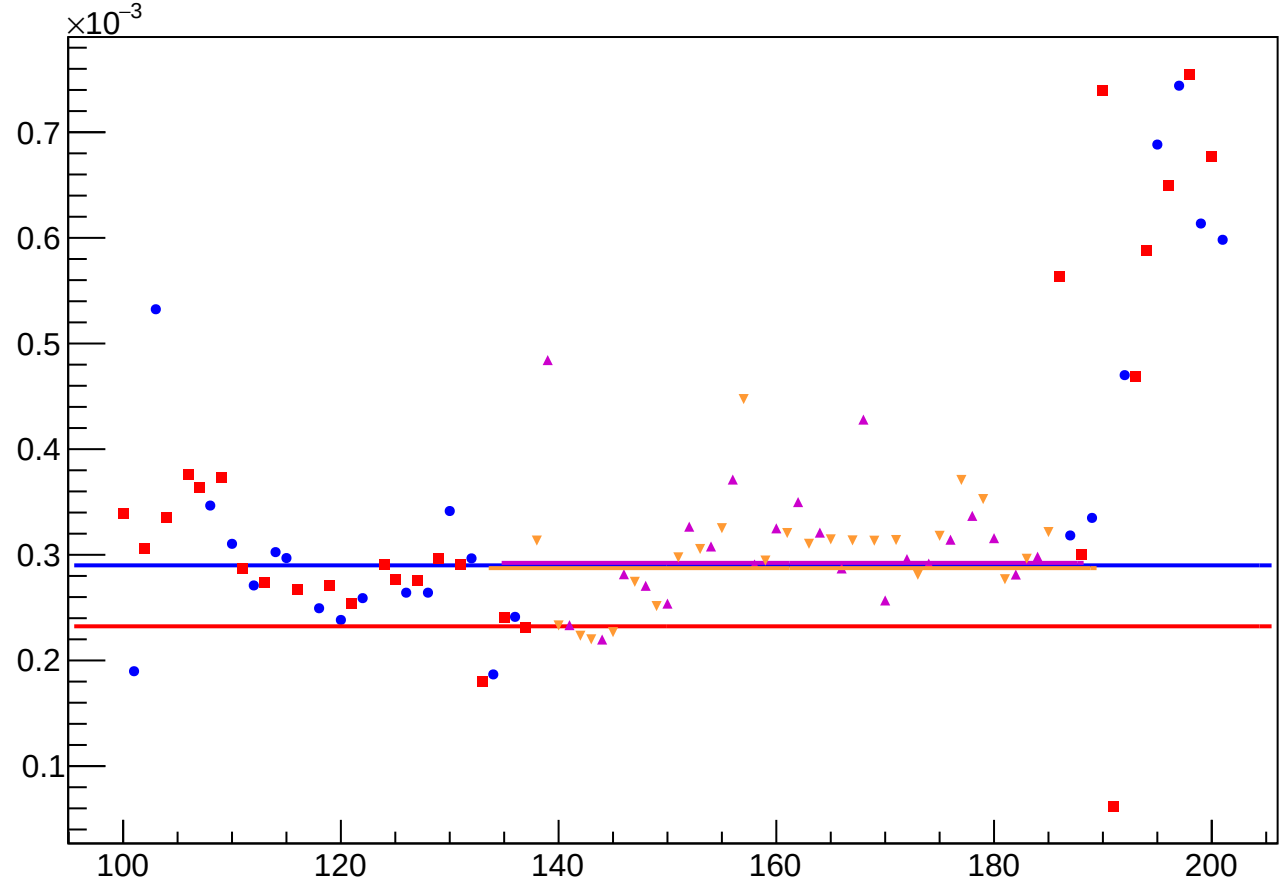
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9158998459.7/47

All: 0.024+/-0.000 χ^2/NDF: 49793585591.2/9

- sign 0.023+/-0.000 χ^2/NDF: 39088708489.7/50

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3275477.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

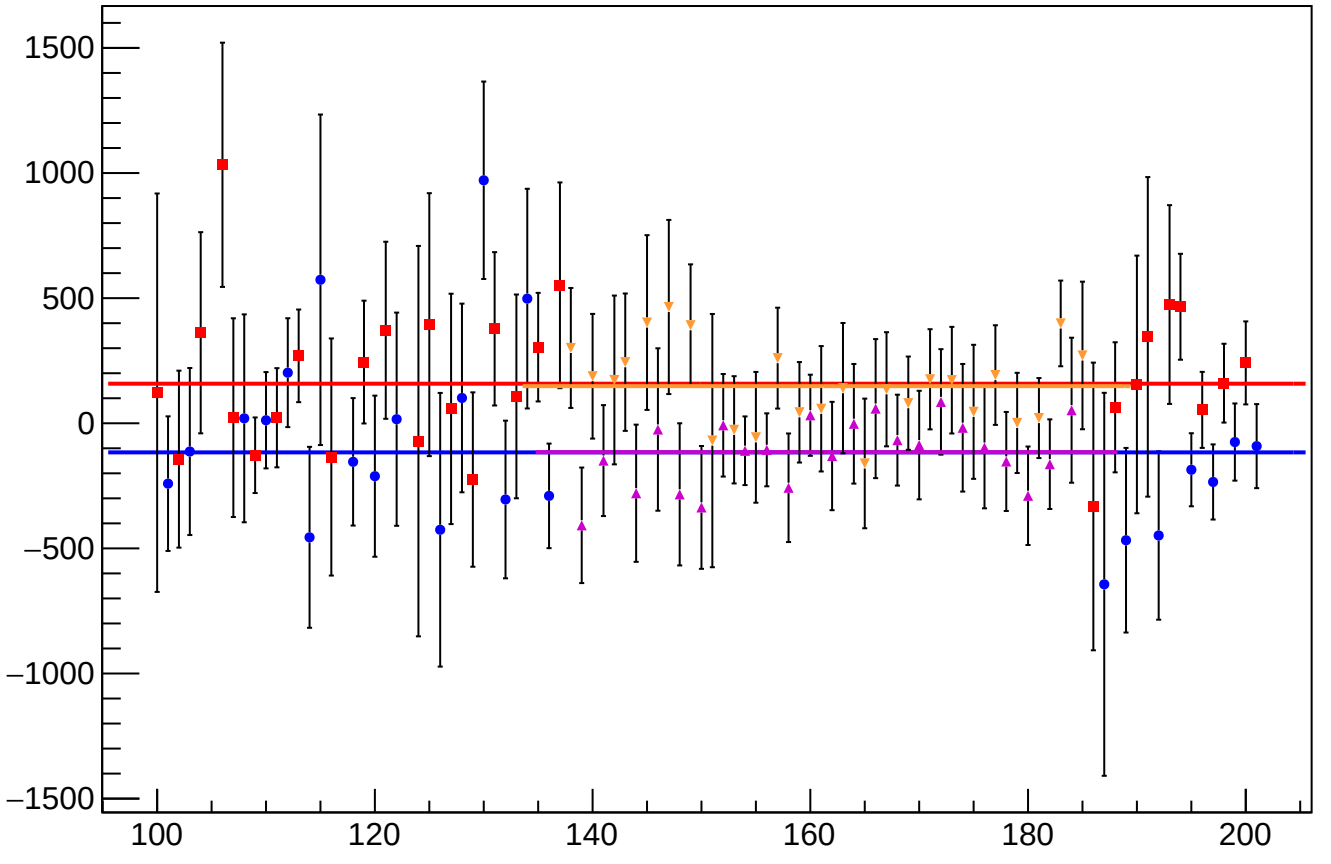
Right Out: 0.000+/-0.000 χ^2/NDF: 7486335.1/27

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: 13374769.0/98

- sign 0.000+/-0.000 χ^2/NDF: 9091937.2/50



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: 158.186+/-50.733 χ^2/NDF: 17.5/27

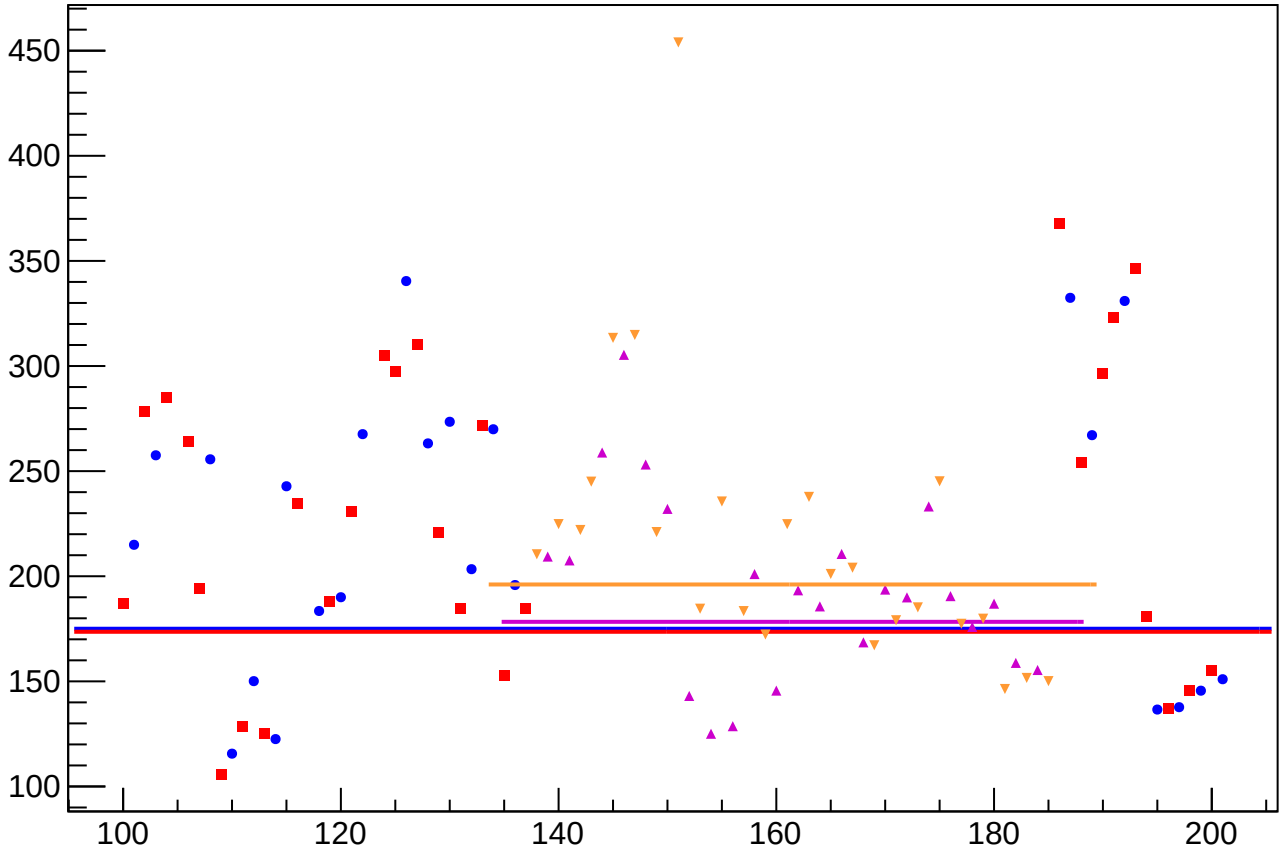
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 33.450+/-34.773 χ^2/NDF: 44.2/47

All: 16.231+/-23.957 χ^2/NDF: 86.7/98

- sign 0.674+/-33.053 χ^2/NDF: 42.0/50

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

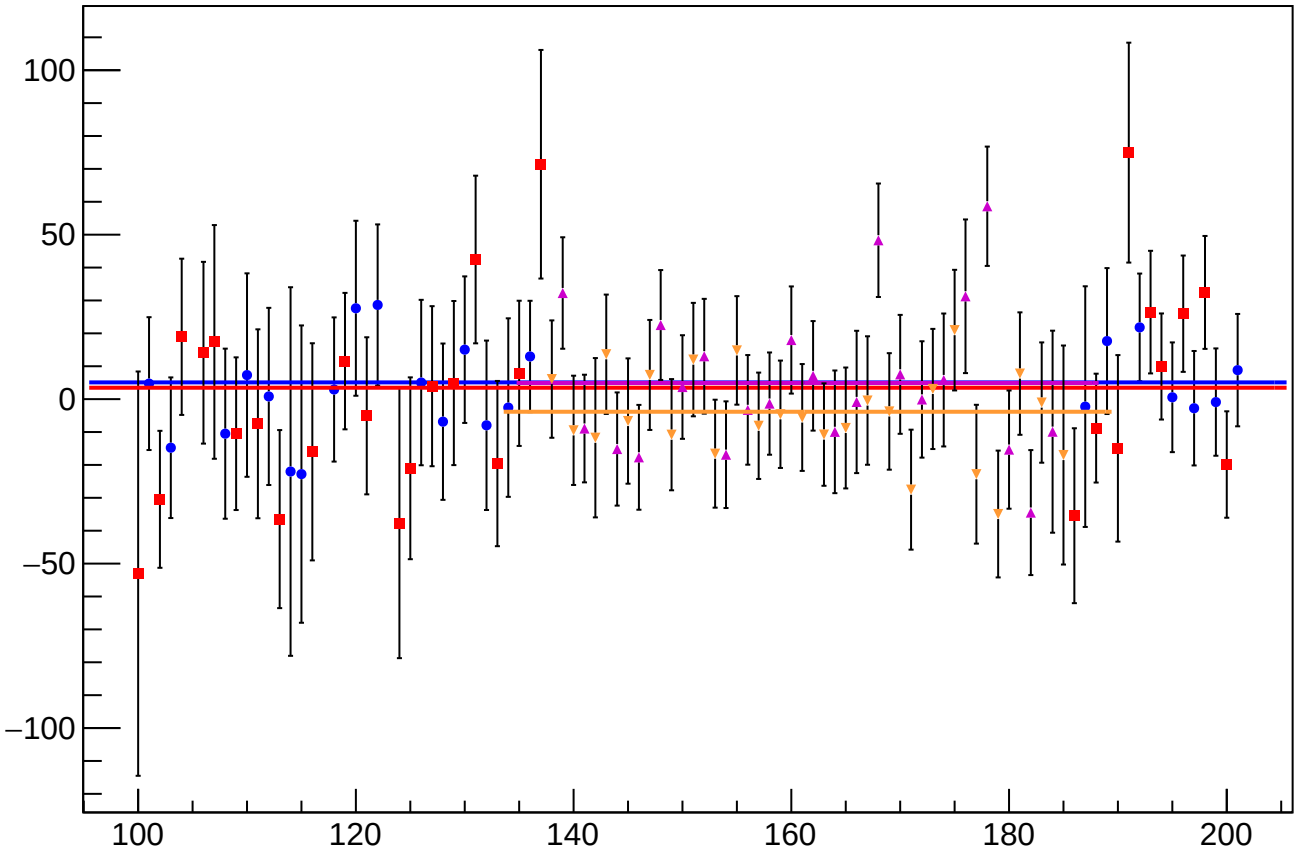
Right Out: 173.586+/-0.036 χ^2/NDF: 2887772.7/27

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 186.948+/-0.025 χ^2/NDF: 4182250.3/47

All: 181.359+/-0.017 χ^2/NDF: 8856727.2/98

- sign 176.309+/-0.023 χ^2/NDF: 4576123.9/50



Right In: 5.090+/-4.620 χ^2/NDF: 6.4/22

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

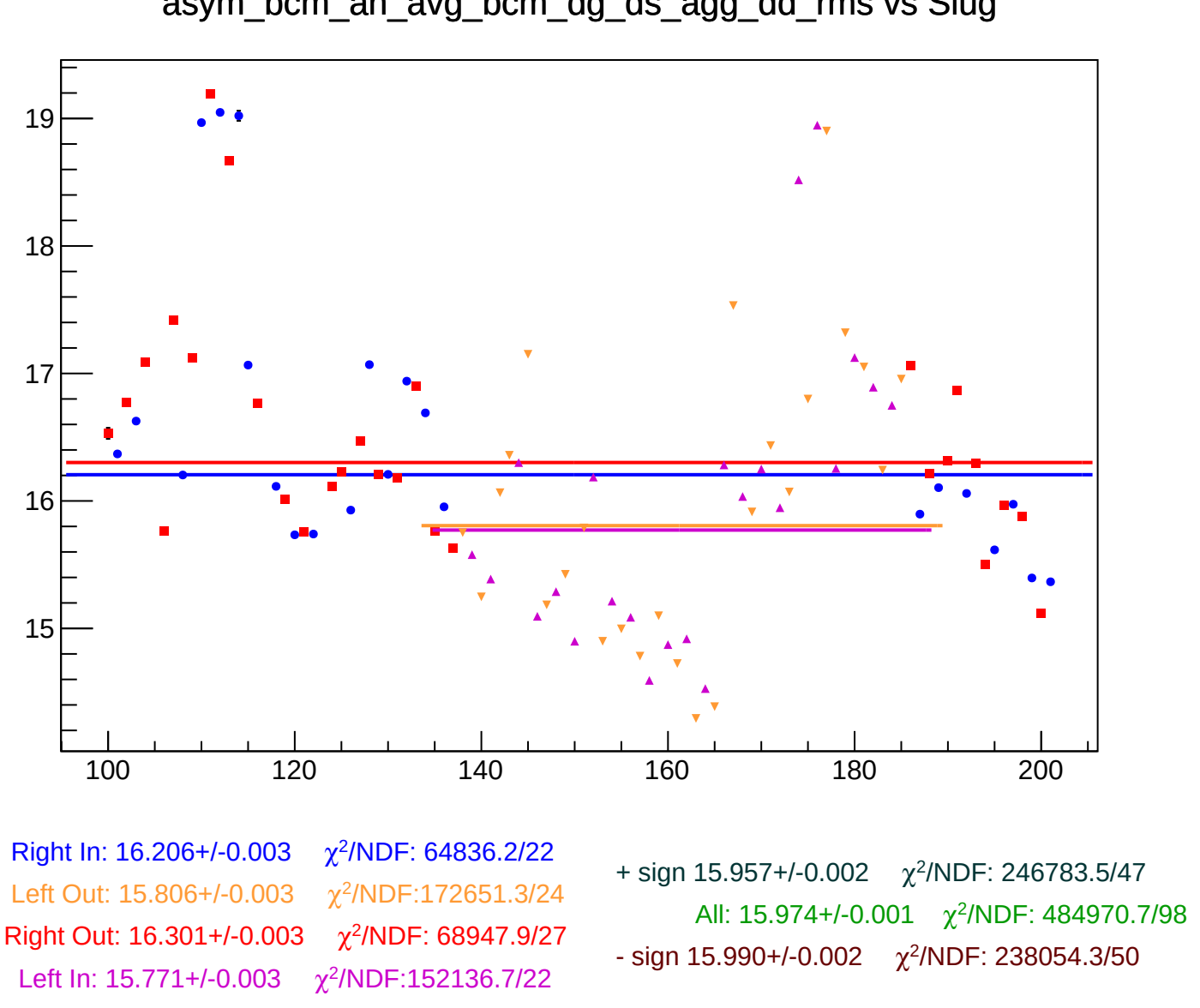
Right Out: 3.469+/-4.410 χ^2/NDF: 32.3/27

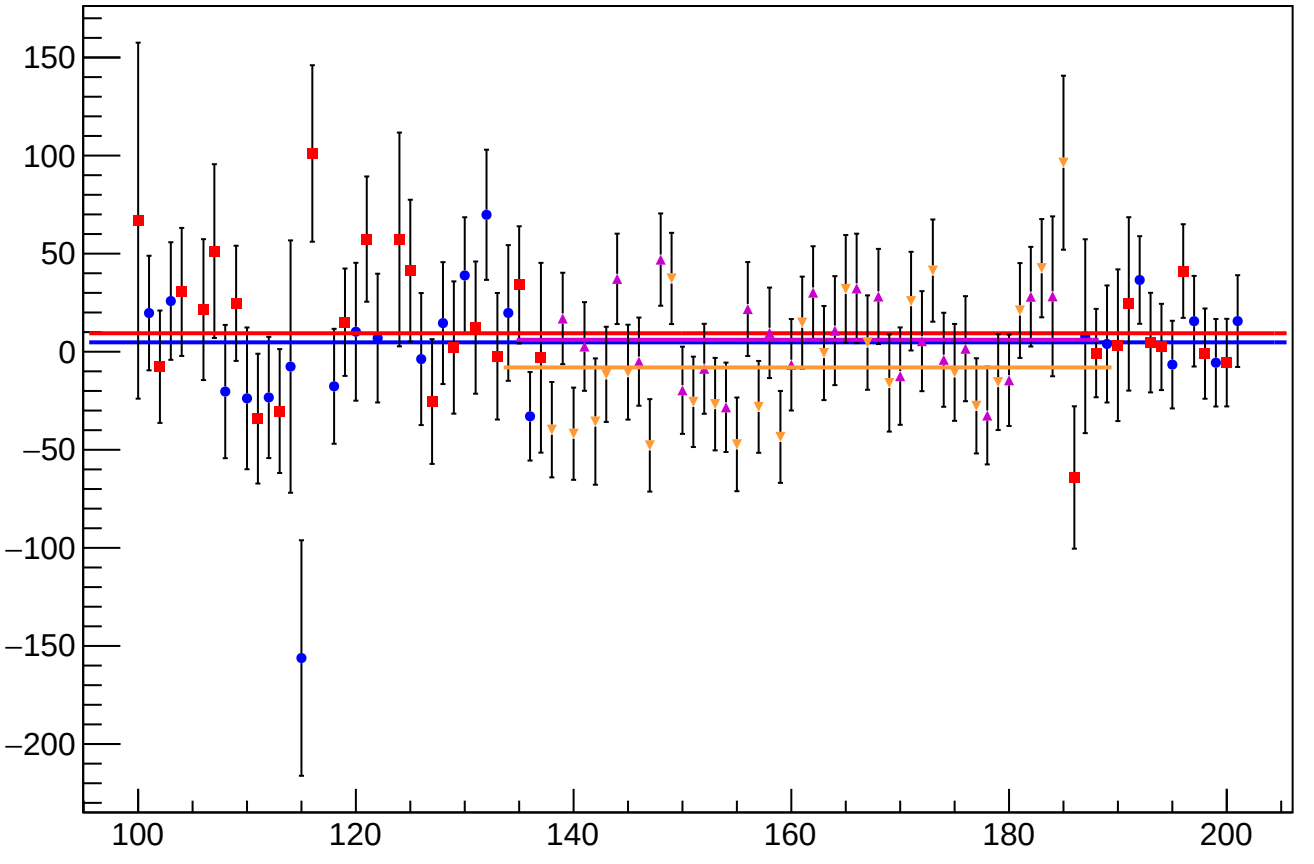
Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign -0.460+/-2.841 χ^2/NDF: 21.6/47

All: 1.933+/-2.006 χ^2/NDF: 89.2/98

- sign 4.312+/-2.832 χ^2/NDF: 66.2/50


asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug
19
18
17
16
15
100
120
140
160
180
200
Right In: 16.206+/-0.003 χ²/NDF: 64836.2/22
Left Out: 15.806+/-0.003 χ²/NDF:172651.3/24
Right Out: 16.301+/-0.003 χ²/NDF: 68947.9/27
Left In: 15.771+/-0.003 χ²/NDF:152136.7/22
+ sign 15.957+/-0.002 χ²/NDF: 246783.5/47
All: 15.974+/-0.001 χ²/NDF: 484970.7/98
- sign 15.990+/-0.002 χ²/NDF: 238054.3/50



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: 9.416+/-5.873 χ^2/NDF: 22.9/27

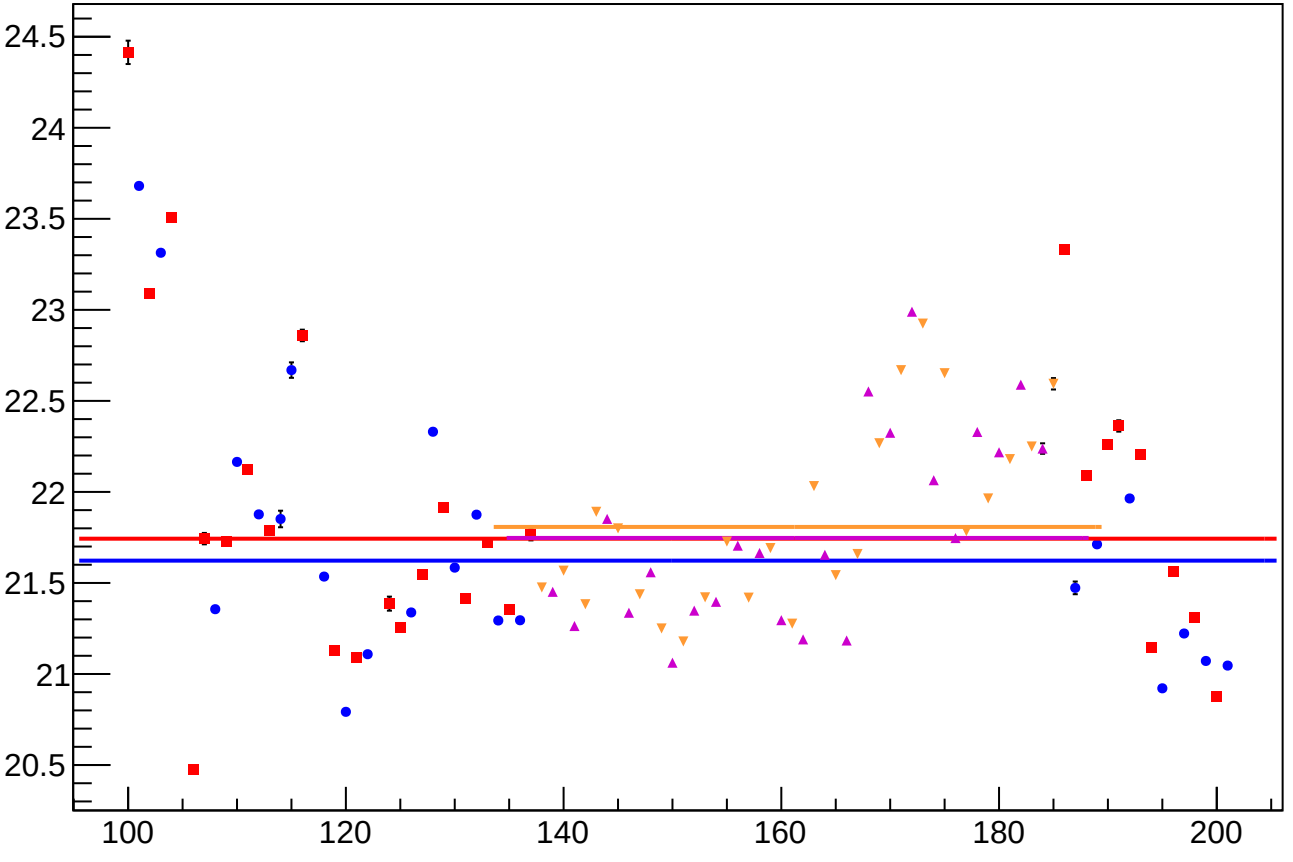
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -2.981+/-3.860 χ^2/NDF: 63.3/47

All: 2.289+/-2.723 χ^2/NDF: 108.0/98

- sign 7.511+/-3.842 χ^2/NDF: 41.0/50

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.623+/-0.004 χ^2/NDF: 26677.2/22

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

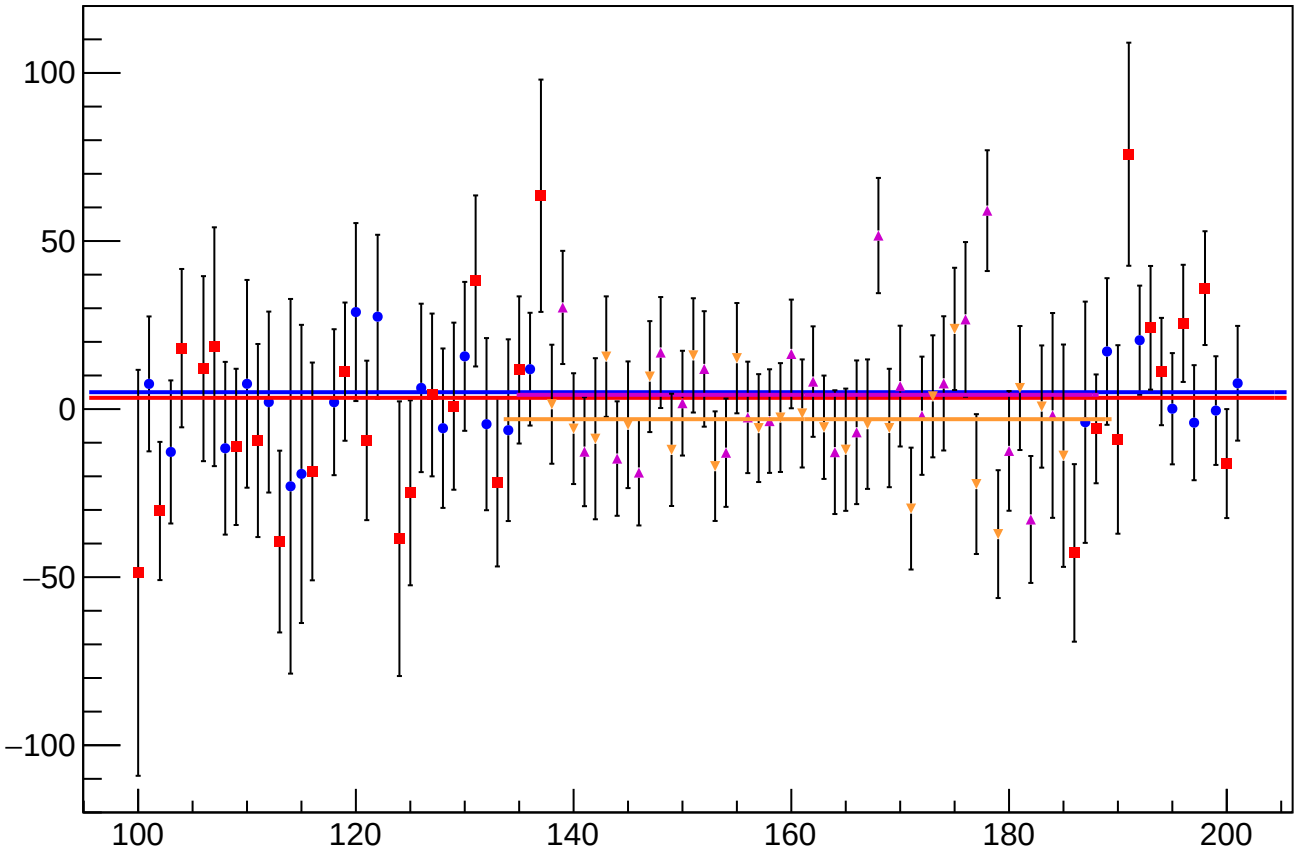
Right Out: 21.743+/-0.004 χ^2/NDF: 29980.2/27

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.735+/-0.003 χ^2/NDF: 45336.0/47

All: 21.740+/-0.002 χ^2/NDF: 95885.2/98

- sign 21.746+/-0.003 χ^2/NDF: 50541.6/50



Right In: 5.025+/-4.586 χ^2/NDF: 6.1/22

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

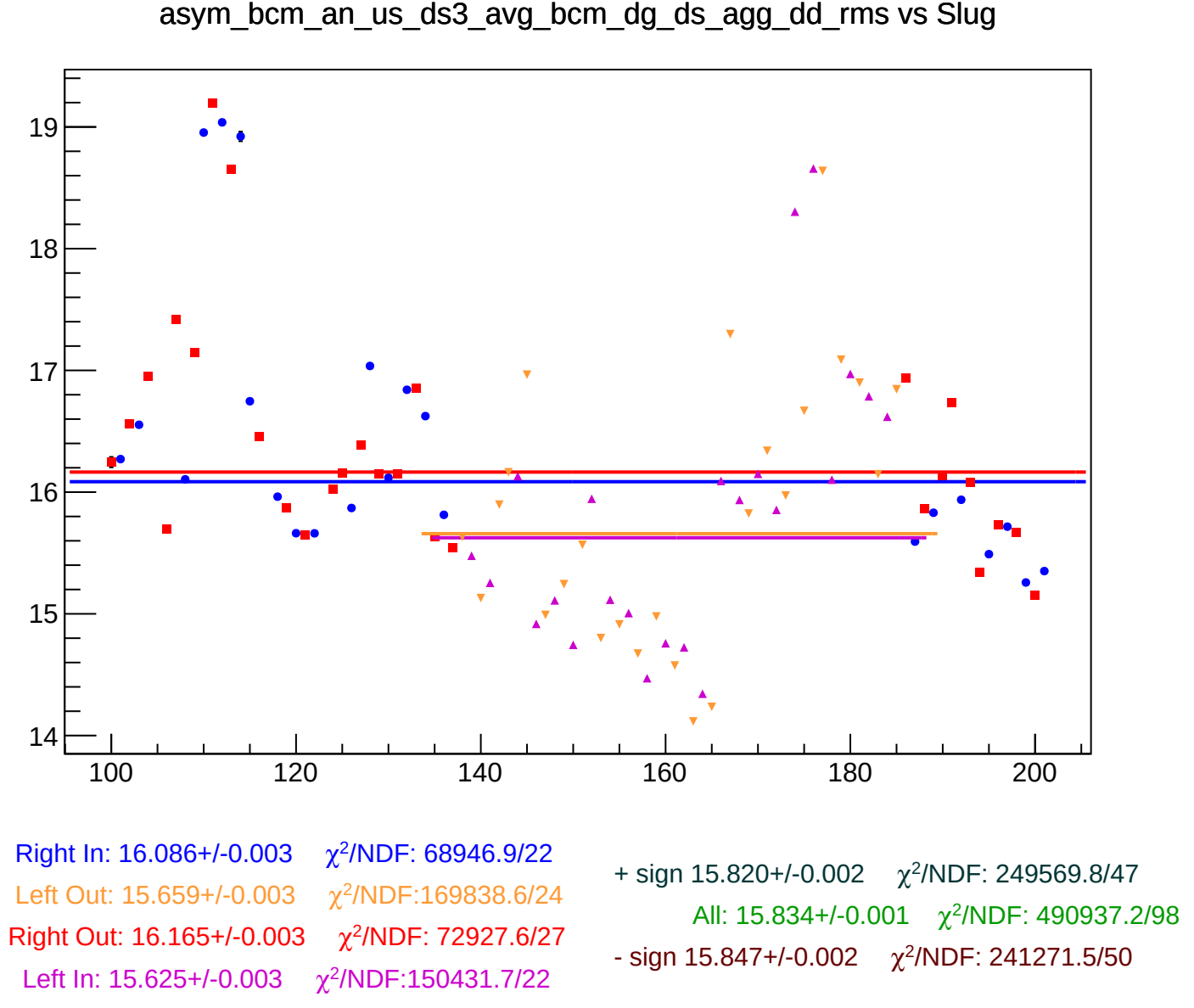
Right Out: 3.353+/-4.373 χ^2/NDF: 32.9/27

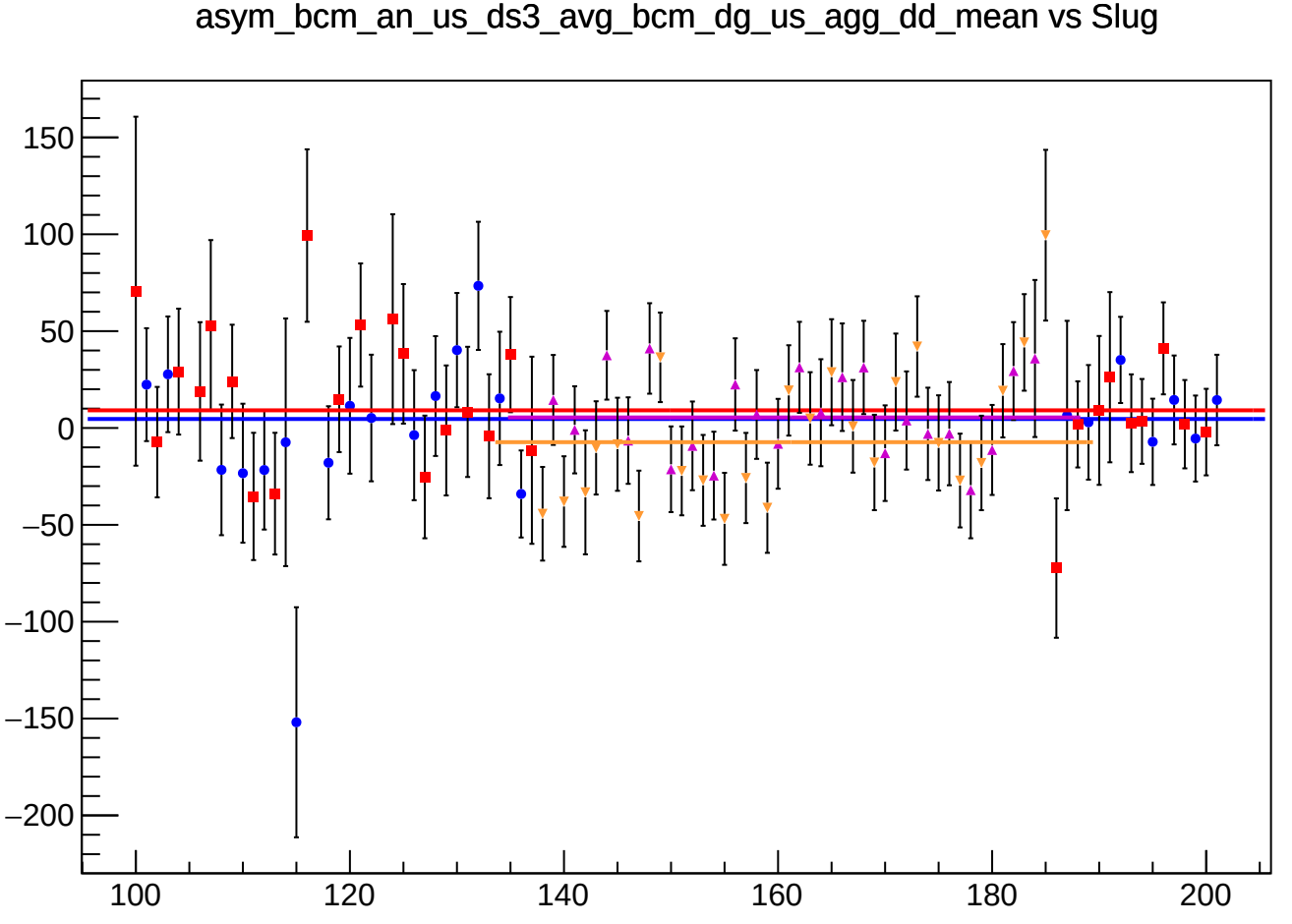
Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign 0.025+/-2.816 χ^2/NDF: 22.6/47

All: 1.959+/-1.988 χ^2/NDF: 90.3/98

- sign 3.880+/-2.807 χ^2/NDF: 66.7/50


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug
19
18
17
16
15
14
100
120
140
160
180
200
Right In: 16.086+/-0.003 χ²/NDF: 68946.9/22
Left Out: 15.659+/-0.003 χ²/NDF:169838.6/24
Right Out: 16.165+/-0.003 χ²/NDF: 72927.6/27
Left In: 15.625+/-0.003 χ²/NDF:150431.7/22
+ sign 15.820+/-0.002 χ²/NDF: 249569.8/47
All: 15.834+/-0.001 χ²/NDF: 490937.2/98
- sign 15.847+/-0.002 χ²/NDF: 241271.5/50



Right In: 4.637+/-6.126 χ^2/NDF: 22.3/22

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

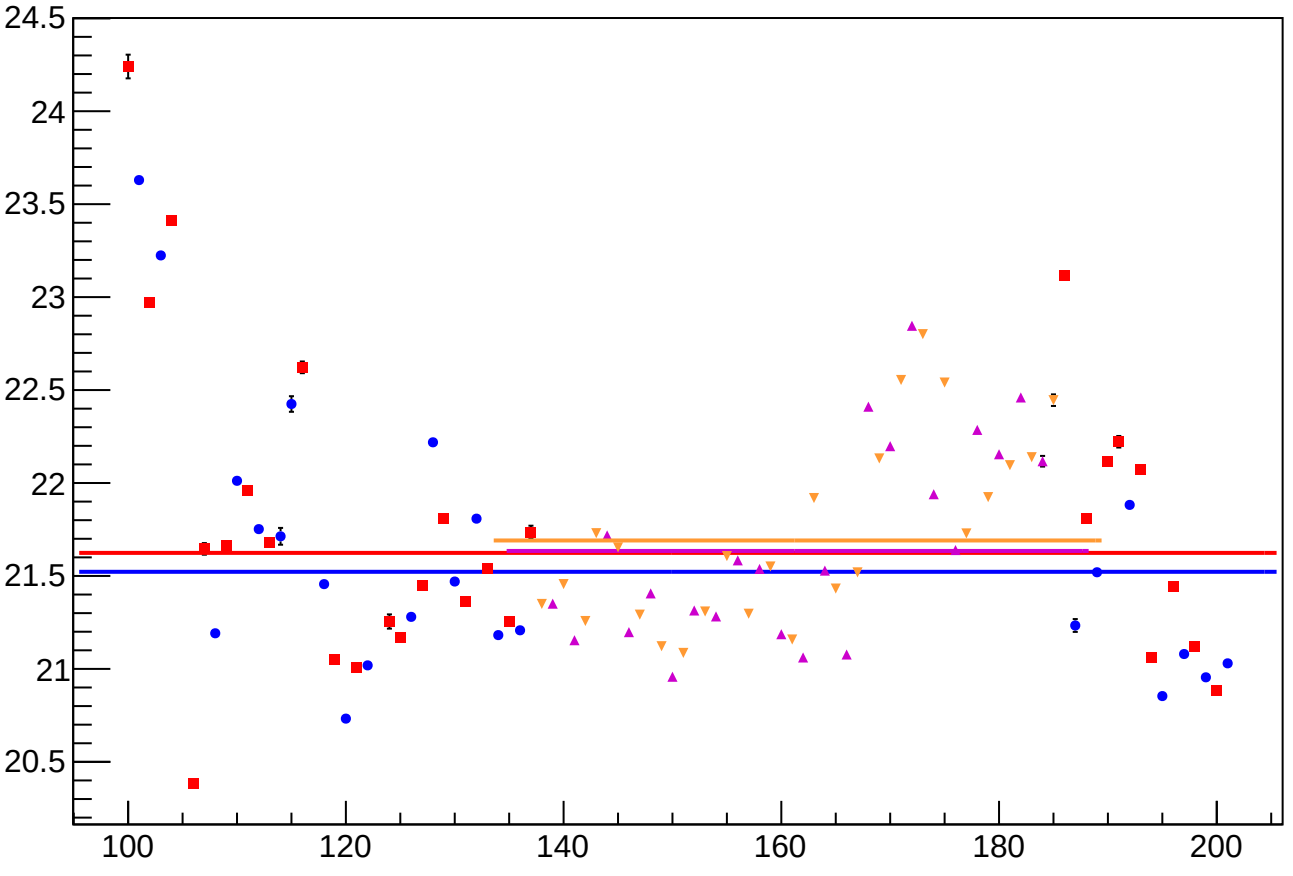
Right Out: 9.118+/-5.841 χ^2/NDF: 23.9/27

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -2.620+/-3.840 χ^2/NDF: 63.2/47

All: 2.219+/-2.709 χ^2/NDF: 107.8/98

- sign 7.011+/-3.822 χ^2/NDF: 41.4/50



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: 21.624+/-0.004 χ^2/NDF: 27983.9/27

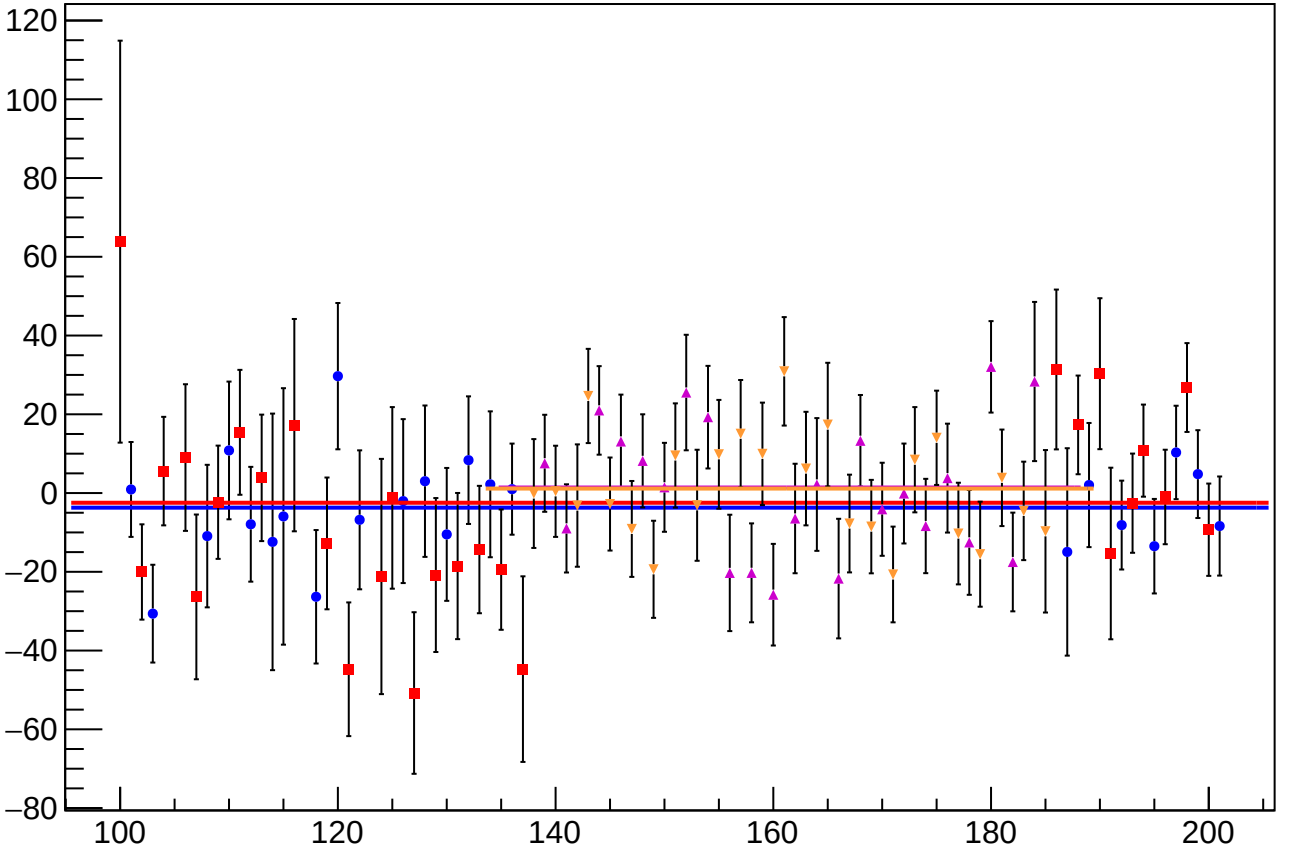
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.625+/-0.003 χ^2/NDF: 45664.7/47

All: 21.627+/-0.002 χ^2/NDF: 94215.7/98

- sign 21.630+/-0.003 χ^2/NDF: 48549.0/50

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: -2.464+/-3.031 χ^2/NDF: 43.8/27

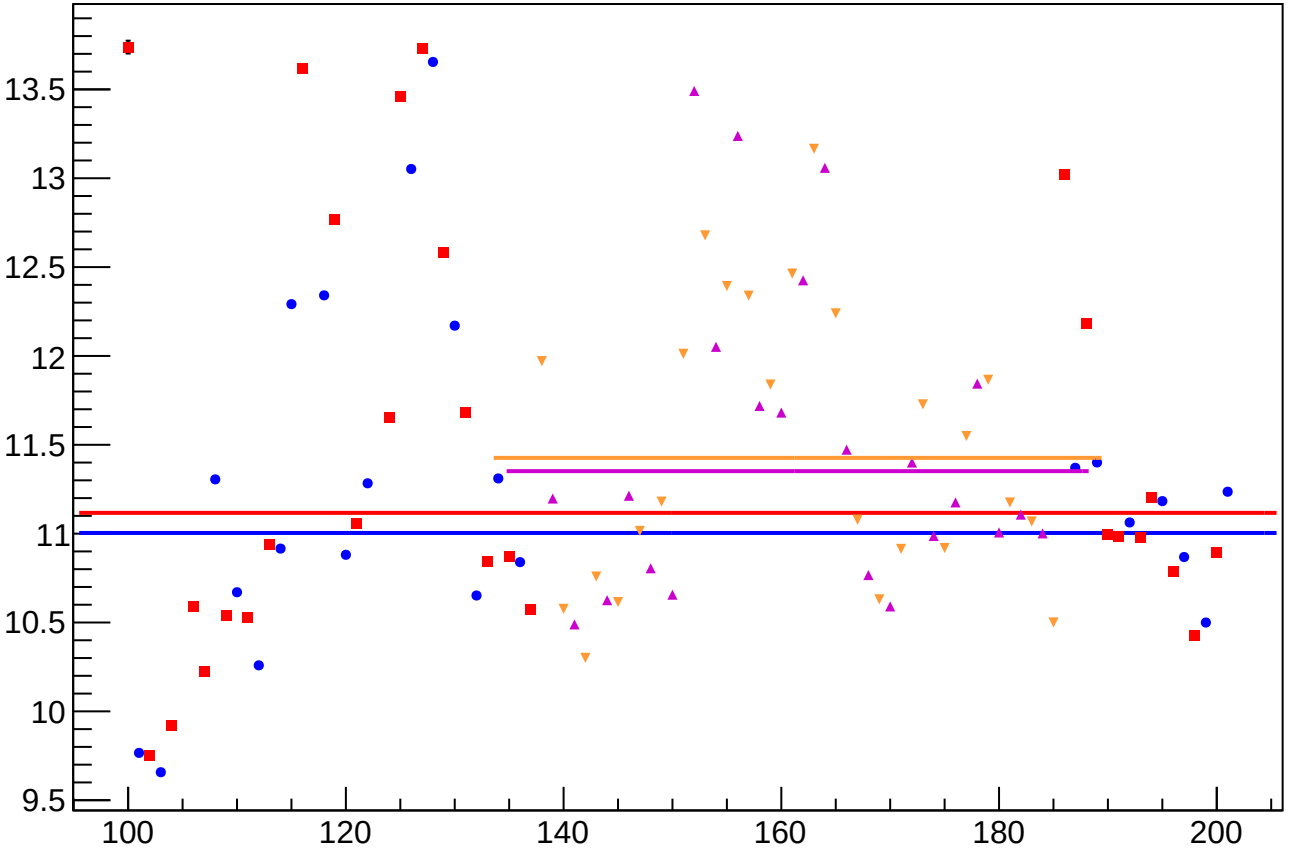
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.839+/-2.016 χ^2/NDF: 41.2/47

All: -0.562+/-1.422 χ^2/NDF: 122.3/98

- sign -0.288+/-2.005 χ^2/NDF: 81.1/50

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

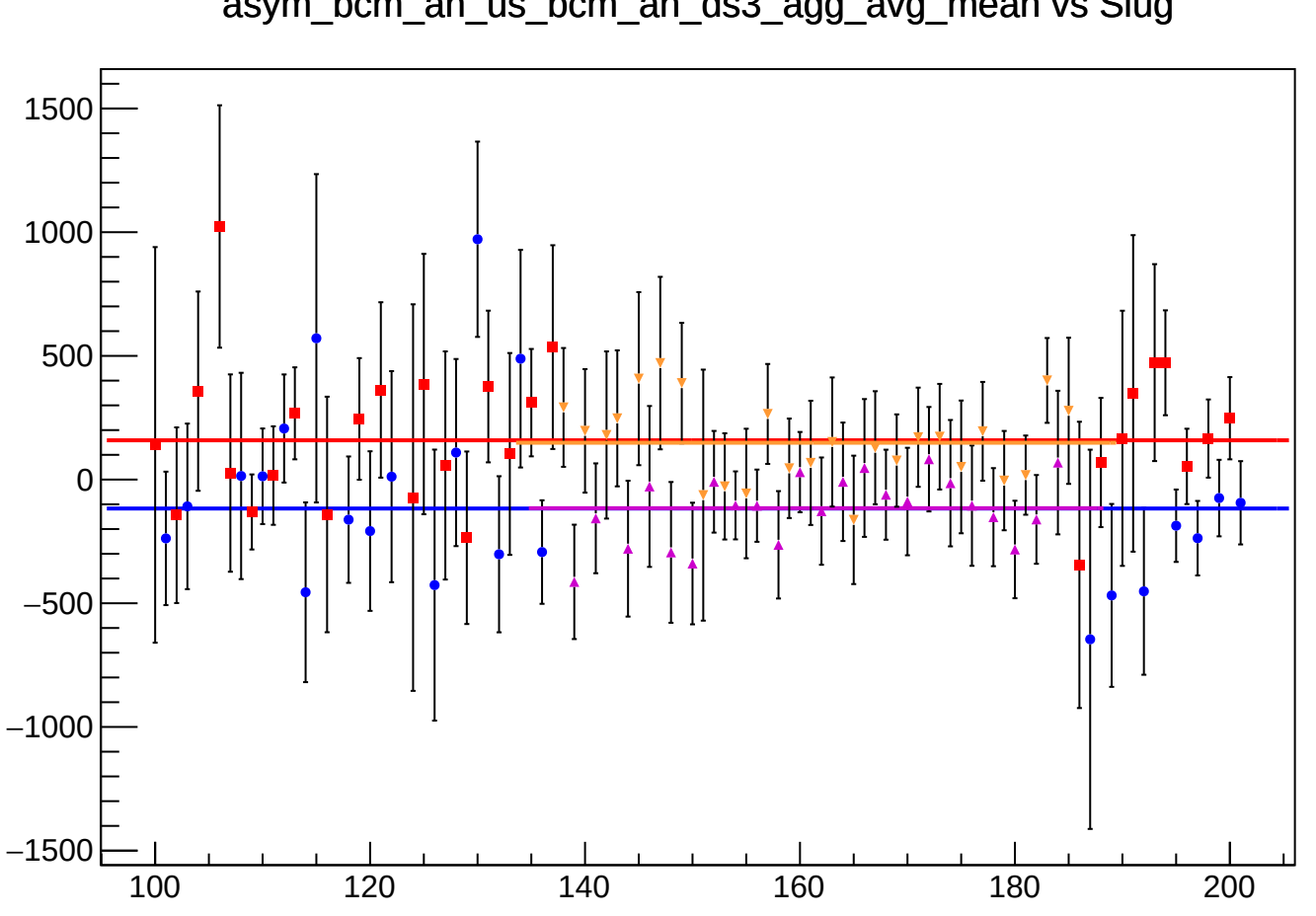
Right Out: 11.117+/-0.002 χ^2/NDF: 205326.5/27

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.254+/-0.001 χ^2/NDF: 321532.7/47

All: 11.252+/-0.001 χ^2/NDF: 704178.9/98

- sign 11.249+/-0.001 χ^2/NDF: 382639.4/50



Right In: -117.044+/-52.929 χ^2/NDF: 19.6/22

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

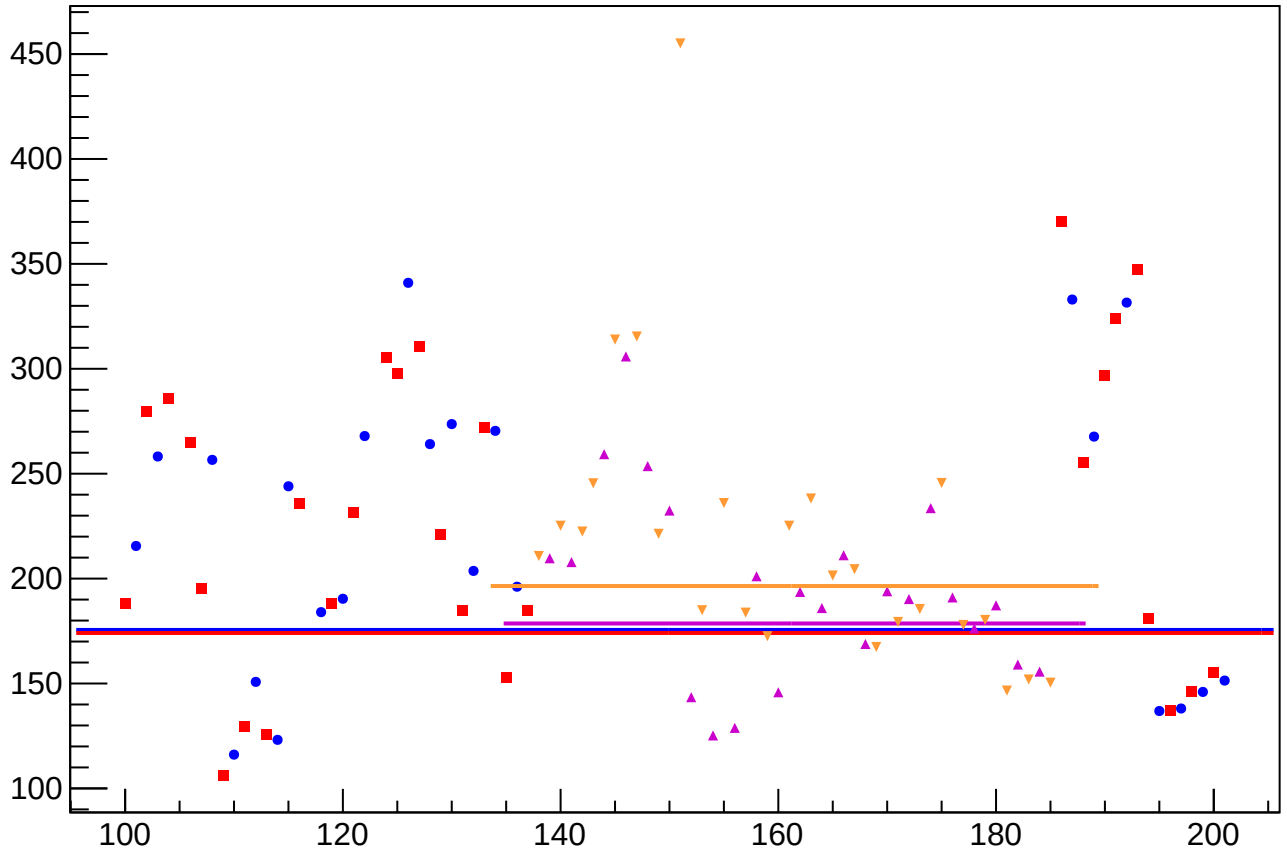
Right Out: 158.766+/-50.877 χ^2/NDF: 17.5/27

Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 33.600+/-34.851 χ^2/NDF: 44.4/47

All: 16.281+/-24.010 χ^2/NDF: 87.0/98

- sign 0.637+/-33.124 χ^2/NDF: 42.1/50



Right In: 175.529+/-0.037 χ^2/NDF: 2177915.9/22

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

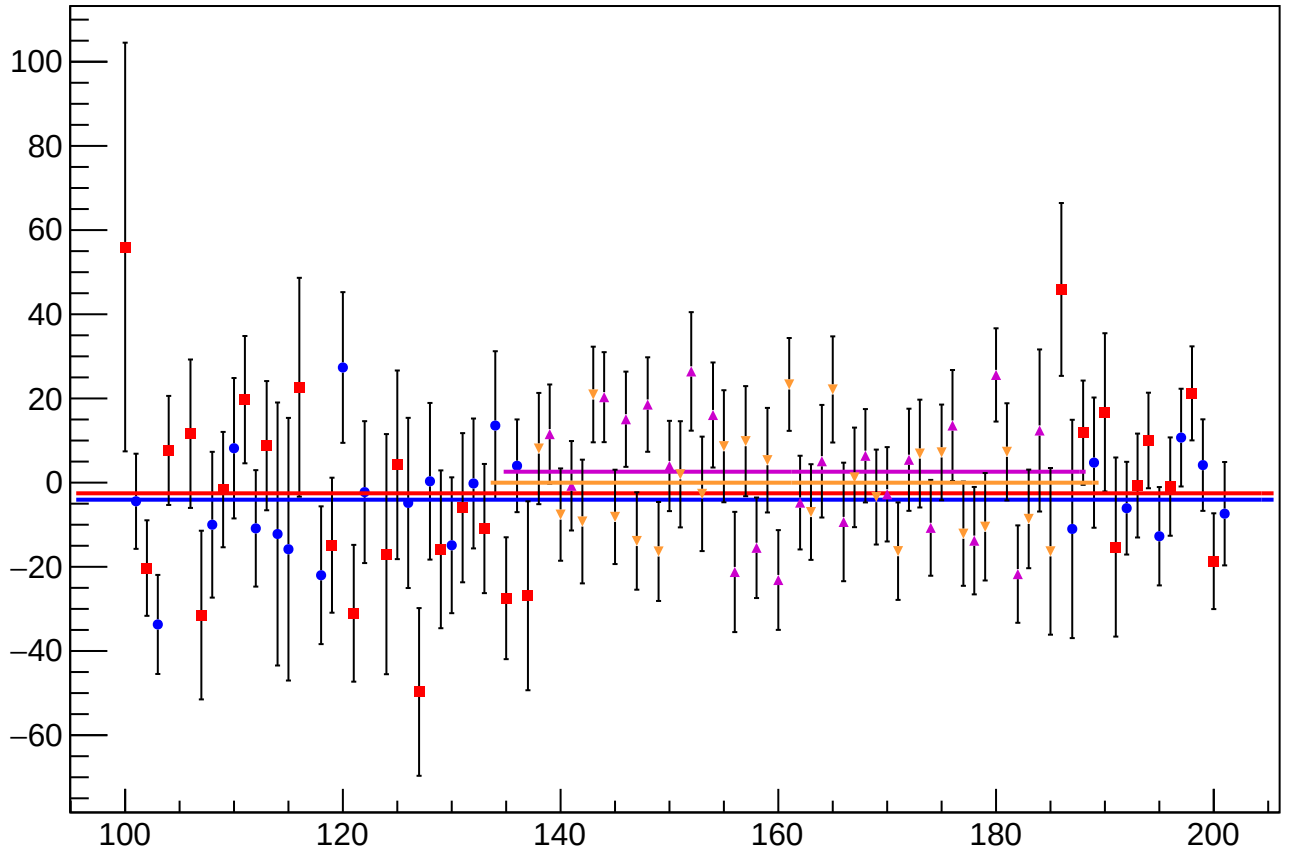
Right Out: 174.092+/-0.036 χ^2/NDF: 2884261.3/27

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 187.382+/-0.025 χ^2/NDF: 4173732.7/47

All: 181.768+/-0.017 χ^2/NDF: 8844725.8/98

- sign 176.697+/-0.023 χ^2/NDF: 4572224.9/50



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: -2.537+/-2.923 χ^2/NDF: 41.6/27

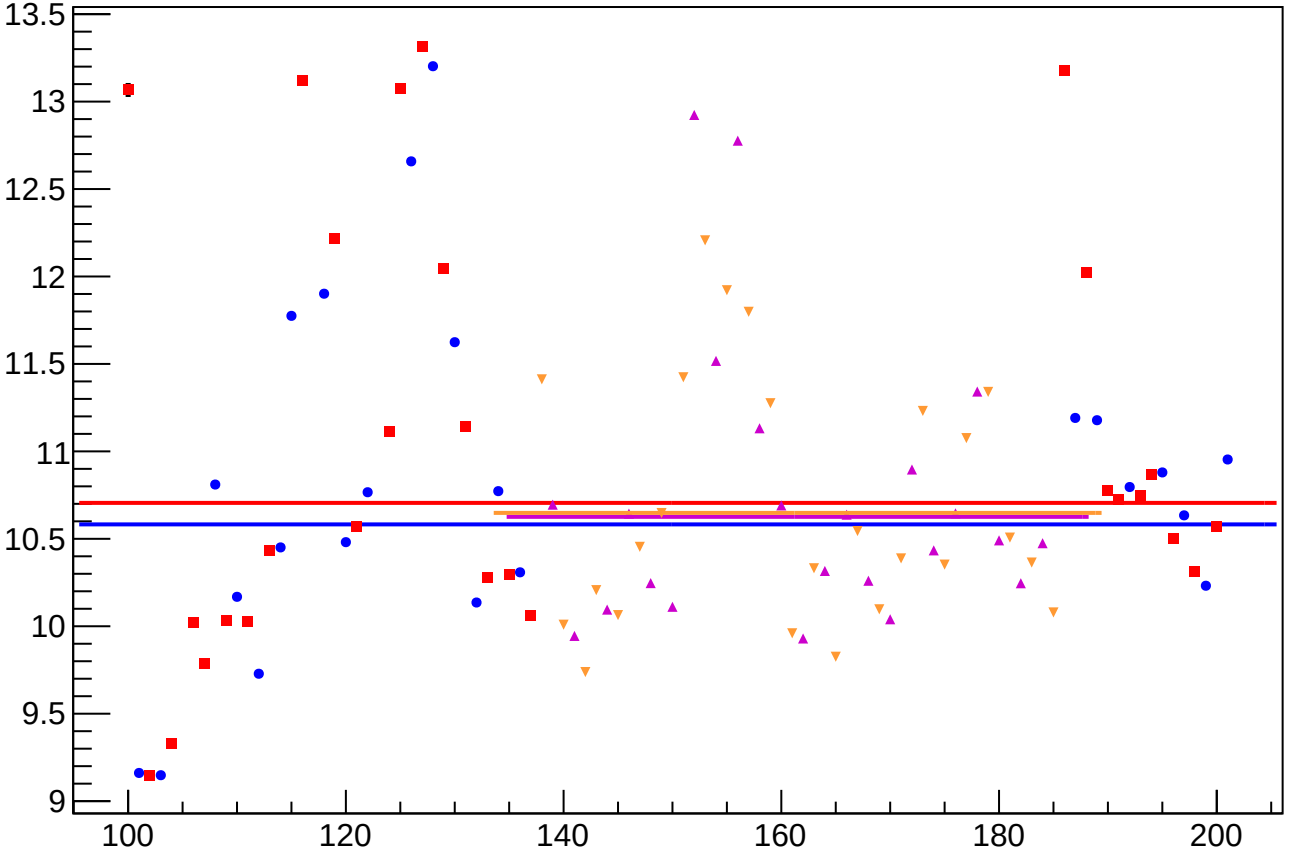
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.603+/-1.905 χ^2/NDF: 41.9/47

All: -0.591+/-1.346 χ^2/NDF: 120.6/98

- sign 0.419+/-1.902 χ^2/NDF: 78.2/50

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

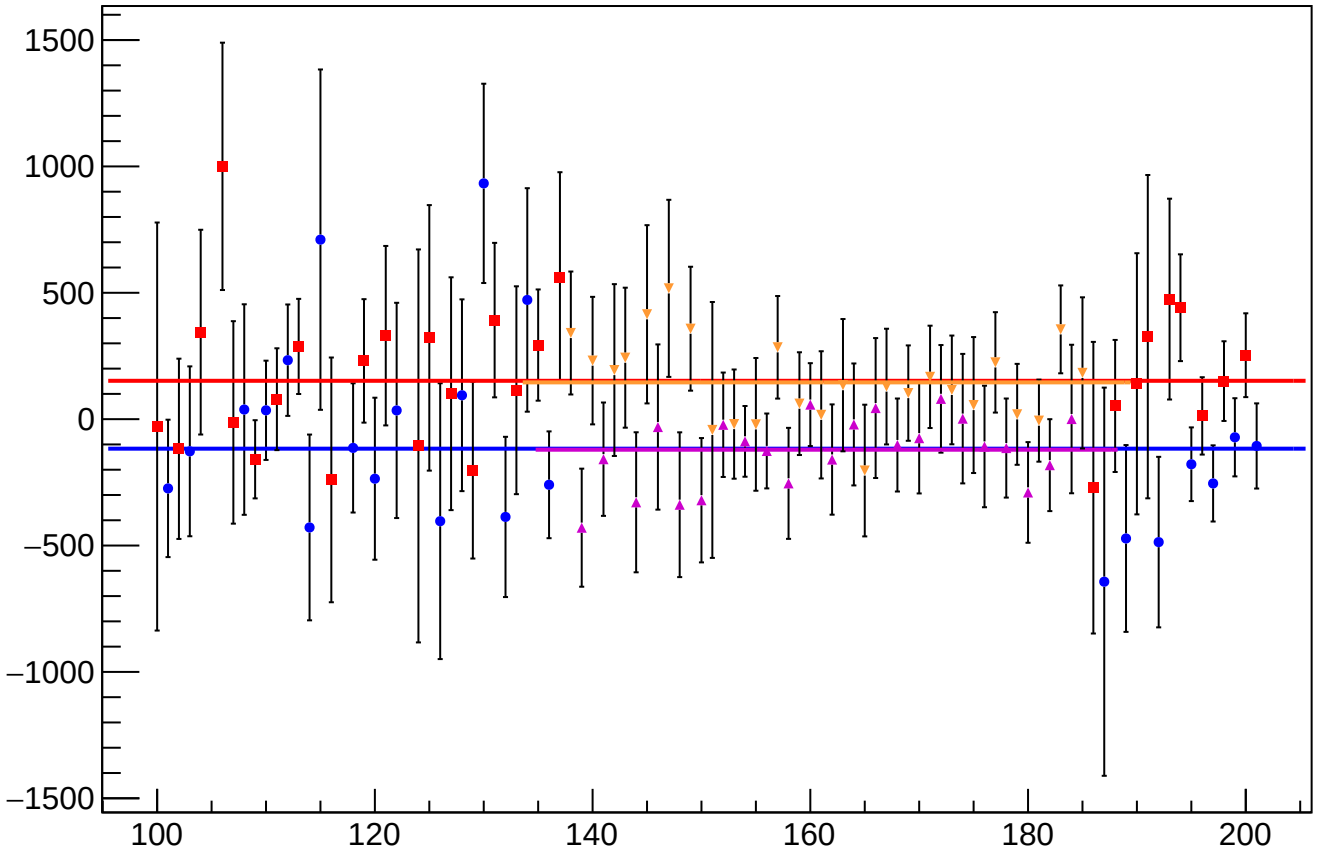
Right Out: 10.705+/-0.002 χ^2/NDF: 245706.3/27

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.622+/-0.001 χ^2/NDF: 313143.3/47

All: 10.641+/-0.001 χ^2/NDF: 719629.3/98

- sign 10.659+/-0.001 χ^2/NDF: 406107.7/50



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: 151.808+/-51.122 χ^2/NDF: 17.5/27

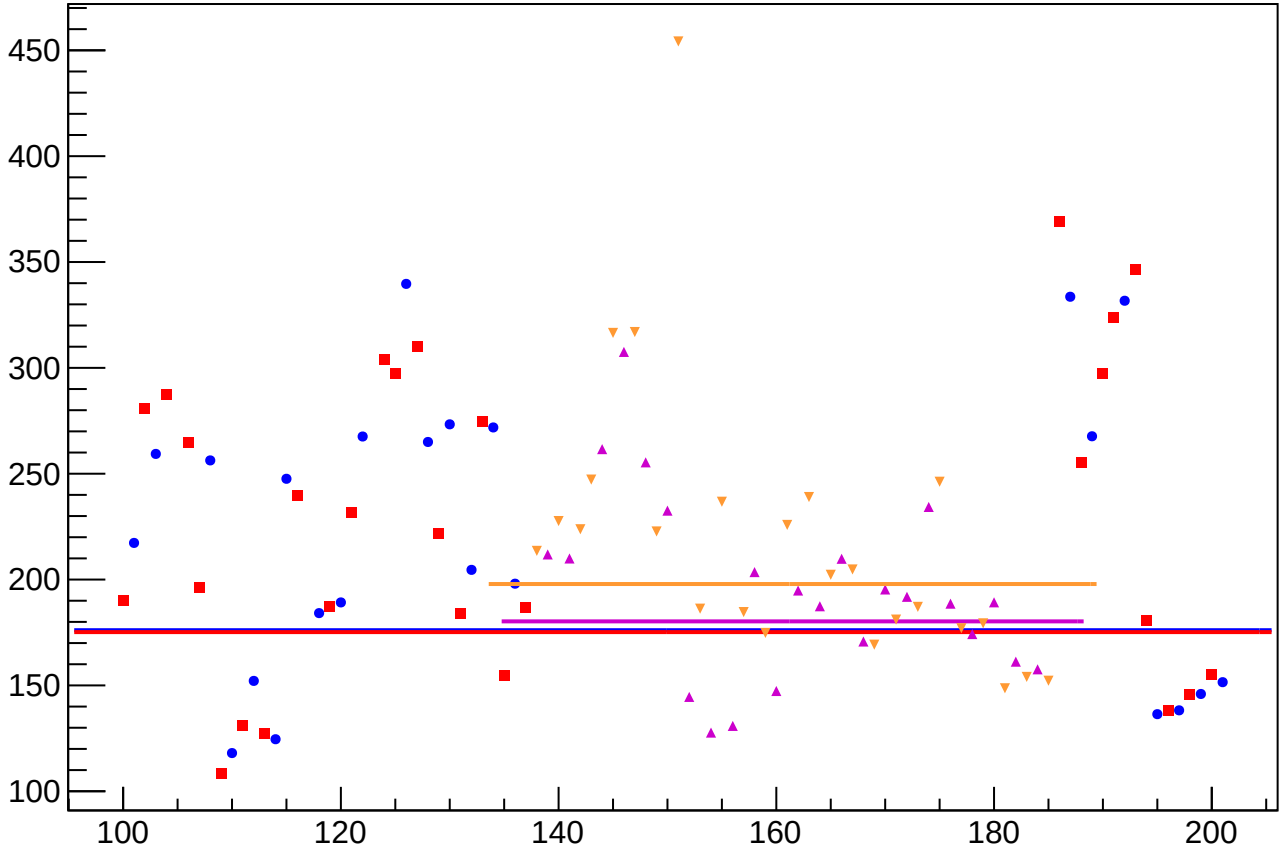
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 31.339+/-35.024 χ^2/NDF: 44.5/47

All: 12.351+/-24.151 χ^2/NDF: 87.1/98

- sign -4.861+/-33.346 χ^2/NDF: 42.0/50

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

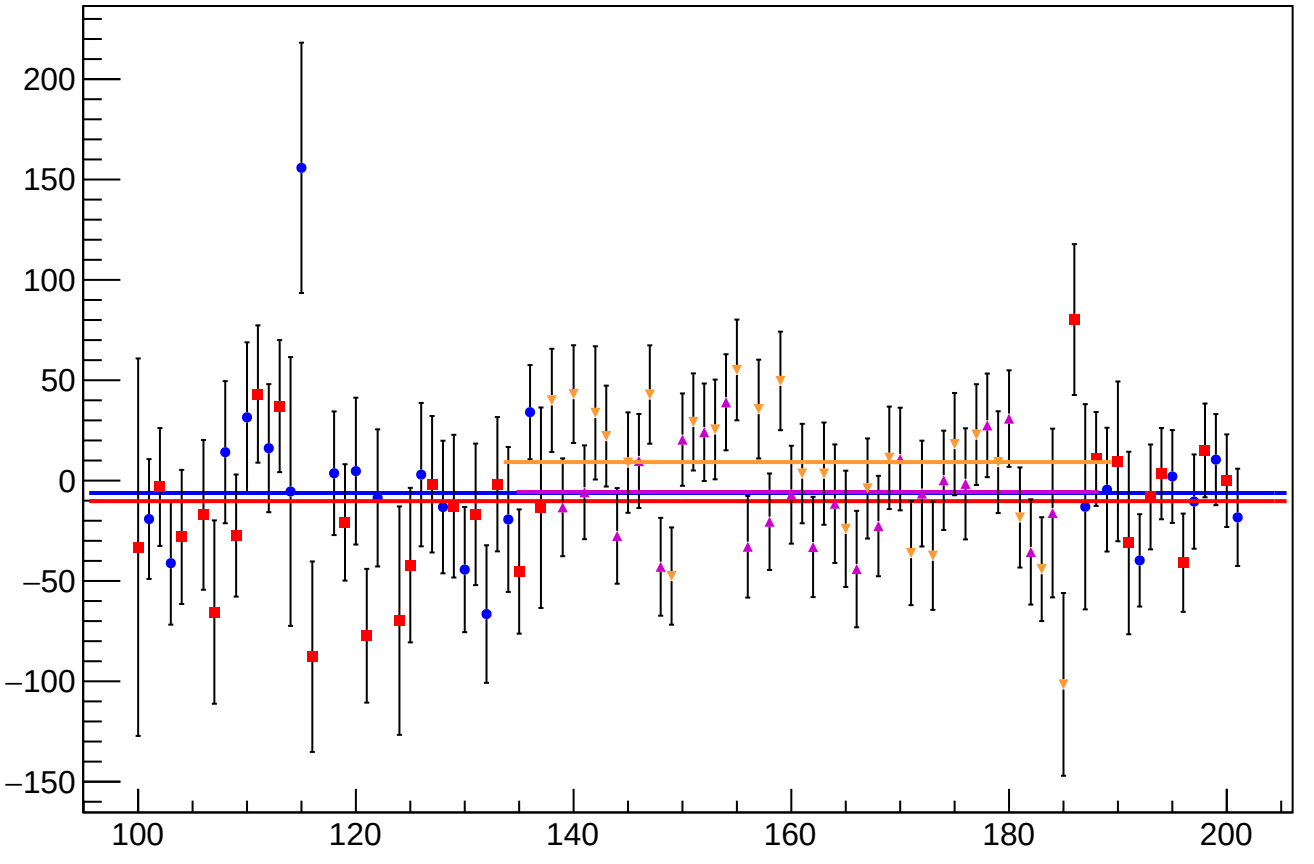
Right Out: 175.181+/-0.036 χ^2/NDF: 2824585.6/27

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 188.391+/-0.025 χ^2/NDF: 4148639.7/47

All: 182.989+/-0.017 χ^2/NDF: 8702999.4/98

- sign 178.092+/-0.024 χ^2/NDF: 4463650.2/50



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: -10.232+/-6.088 χ^2/NDF: 27.2/27

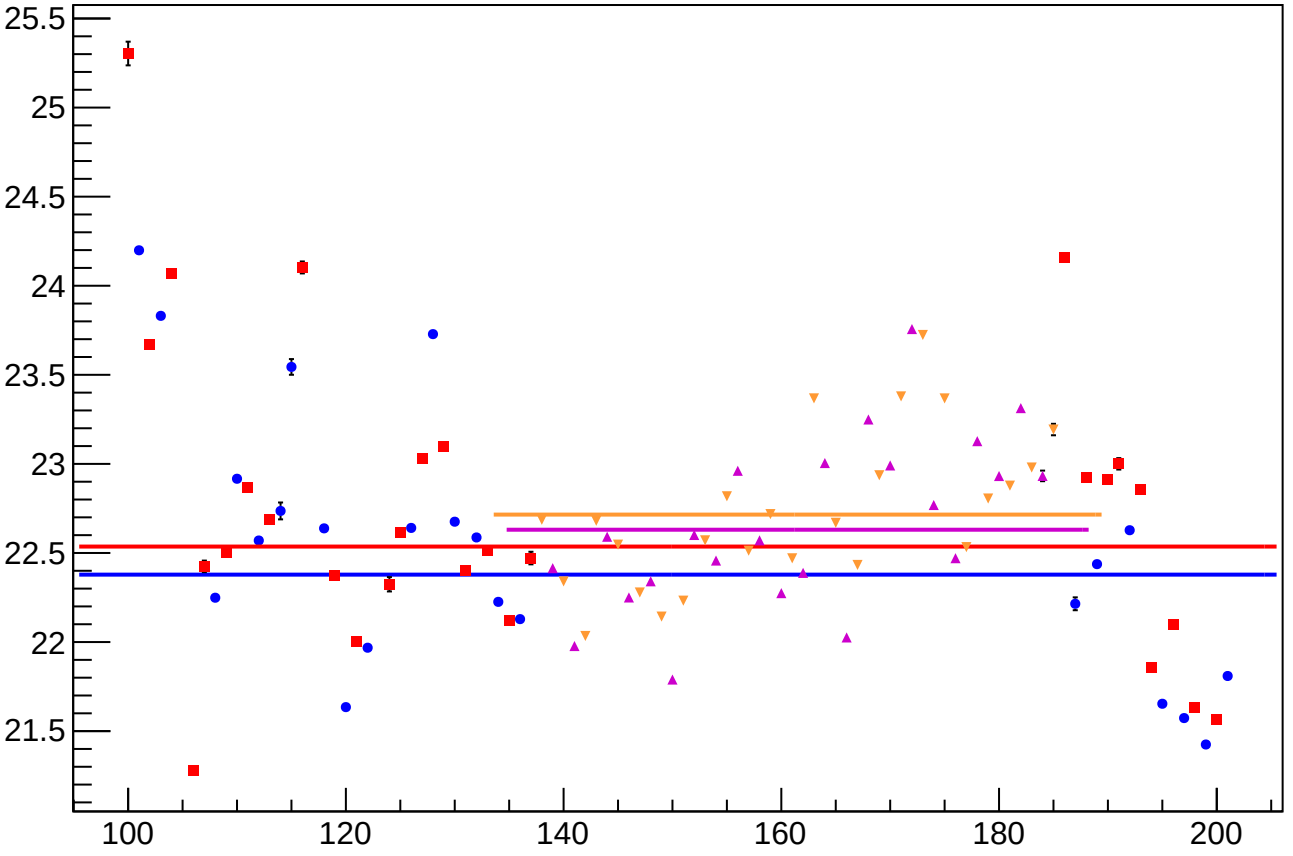
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.123+/-4.011 χ^2/NDF: 64.1/47

All: -2.279+/-2.829 χ^2/NDF: 116.0/98

- sign -7.630+/-3.992 χ^2/NDF: 48.3/50

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

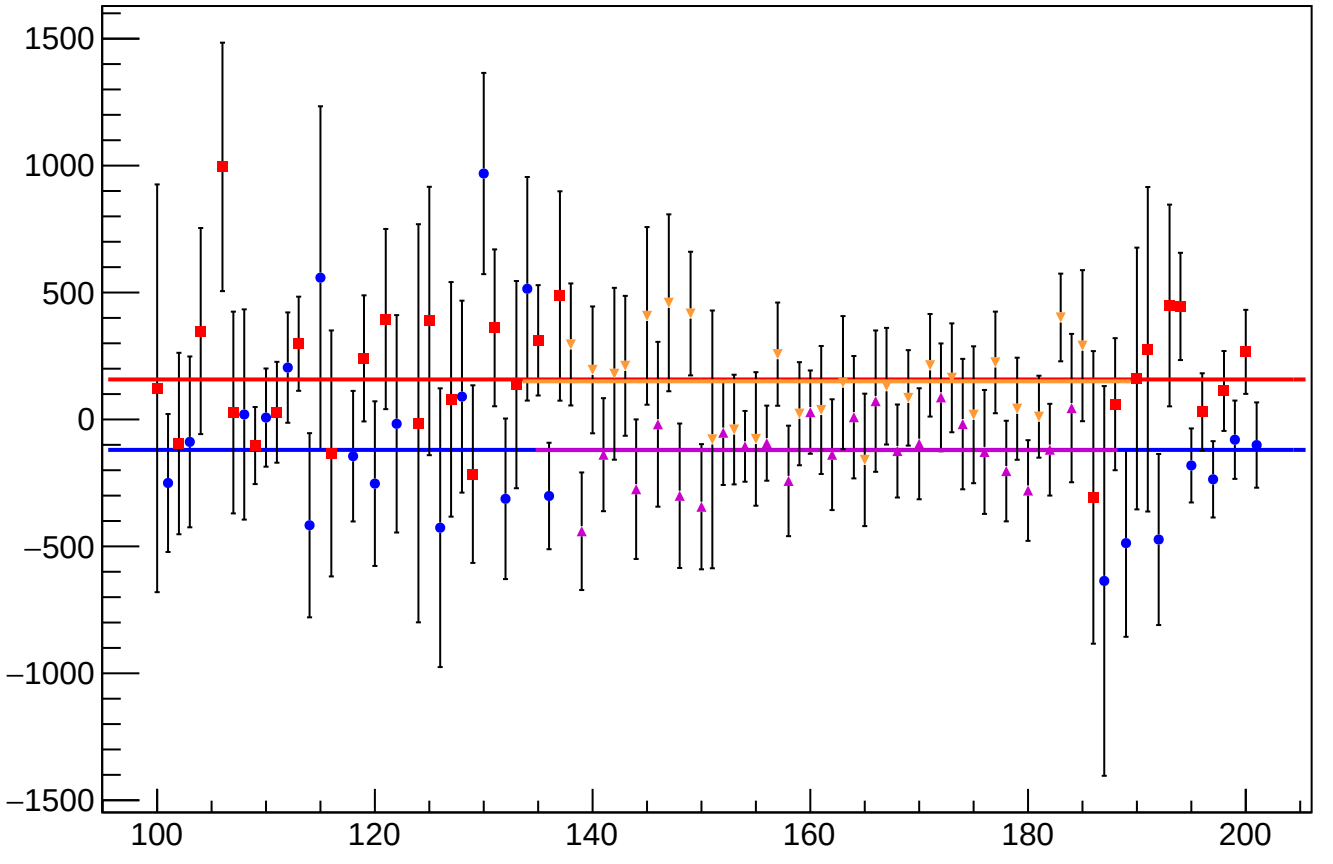
Right Out: 22.536+/-0.004 χ^2/NDF: 29469.7/27

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.582+/-0.003 χ^2/NDF: 43203.9/47

All: 22.586+/-0.002 χ^2/NDF: 88343.9/98

- sign 22.590+/-0.003 χ^2/NDF: 45136.0/50



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: 157.642+/-50.864 χ^2/NDF: 16.0/27

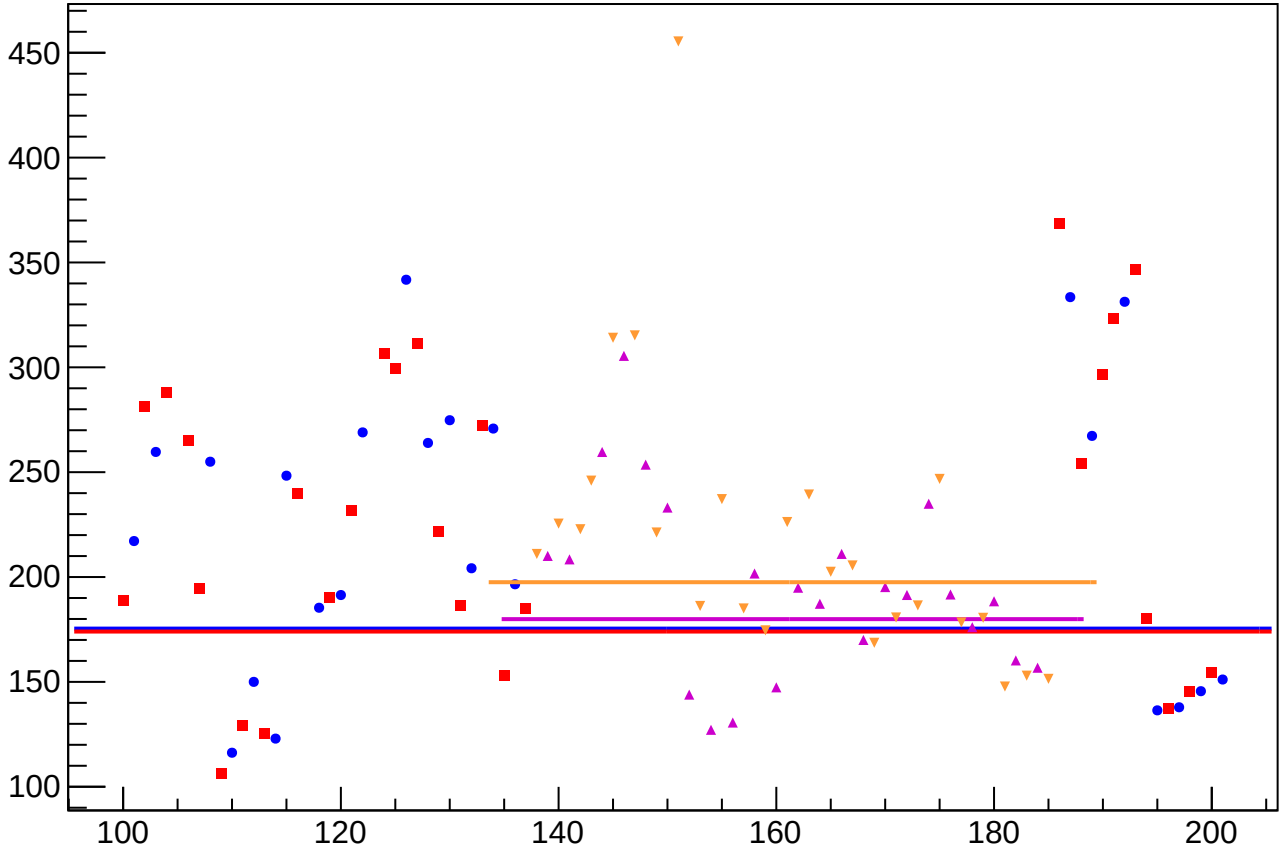
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 32.430+/-34.944 χ^2/NDF: 45.3/47

All: 14.437+/-24.085 χ^2/NDF: 86.9/98

- sign -1.846+/-33.242 χ^2/NDF: 41.1/50

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 175.408+/-0.037 χ^2/NDF: 2200191.0/22

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

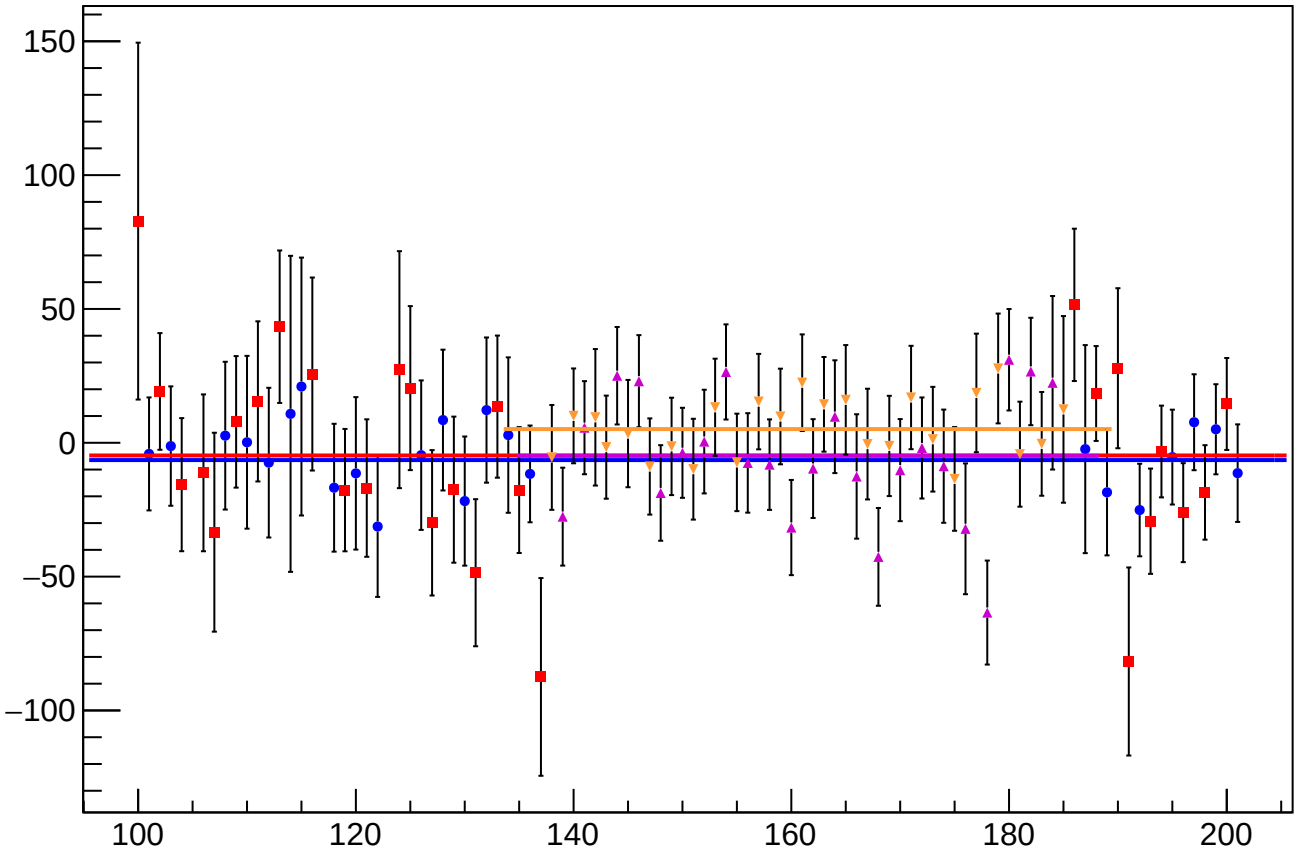
Right Out: 174.004+/-0.036 χ^2/NDF: 2902028.2/27

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 187.885+/-0.025 χ^2/NDF: 4187264.2/47

All: 182.378+/-0.017 χ^2/NDF: 8823565.0/98

- sign 177.395+/-0.024 χ^2/NDF: 4541691.6/50



Right In: -6.461+/-4.899 χ^2/NDF: 5.7/22

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

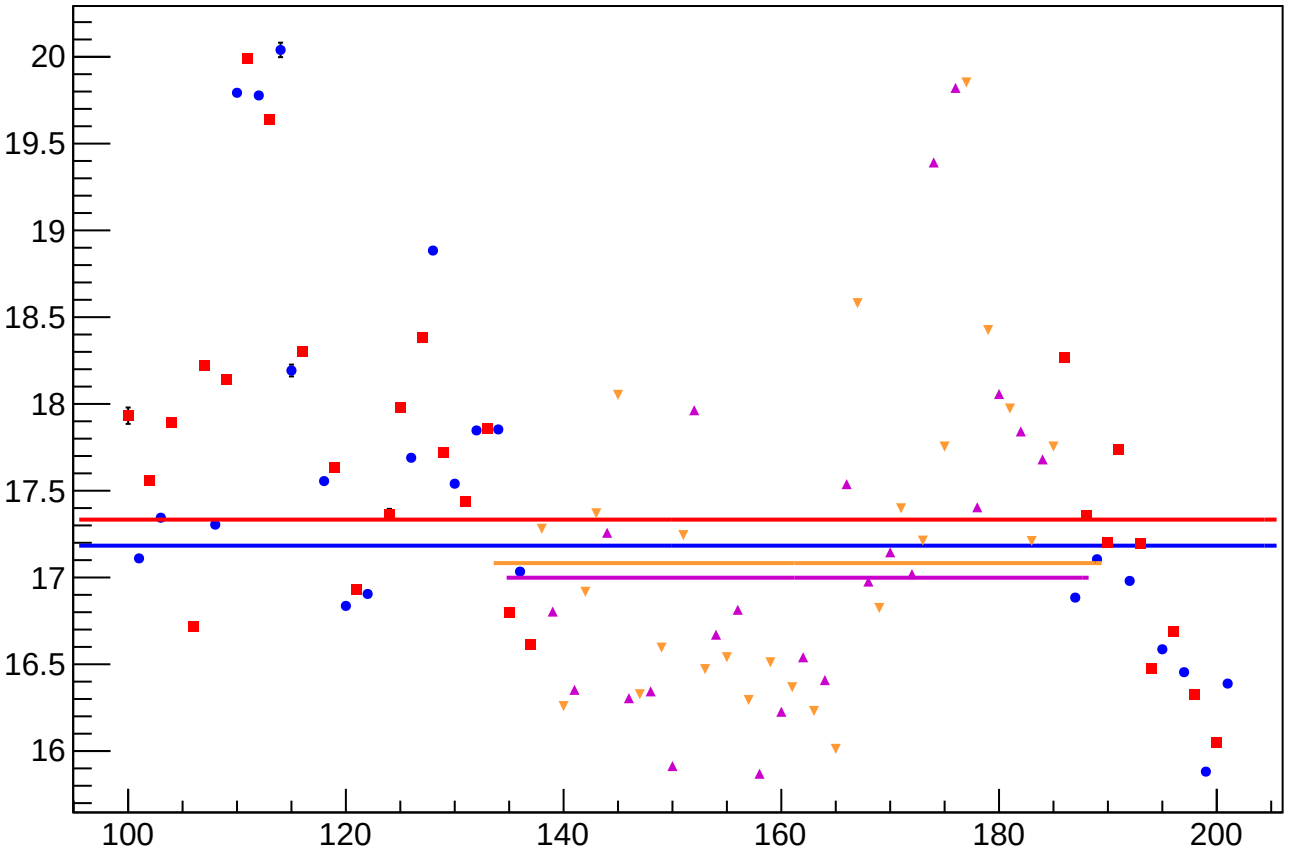
Right Out: -4.738+/-4.690 χ^2/NDF: 35.6/27

Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.642+/-3.047 χ^2/NDF: 17.1/47

All: -2.094+/-2.150 χ^2/NDF: 89.8/98

- sign -4.808+/-3.035 χ^2/NDF: 71.1/50



Right In: 17.183+/-0.003 χ^2/NDF: 70643.8/22

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

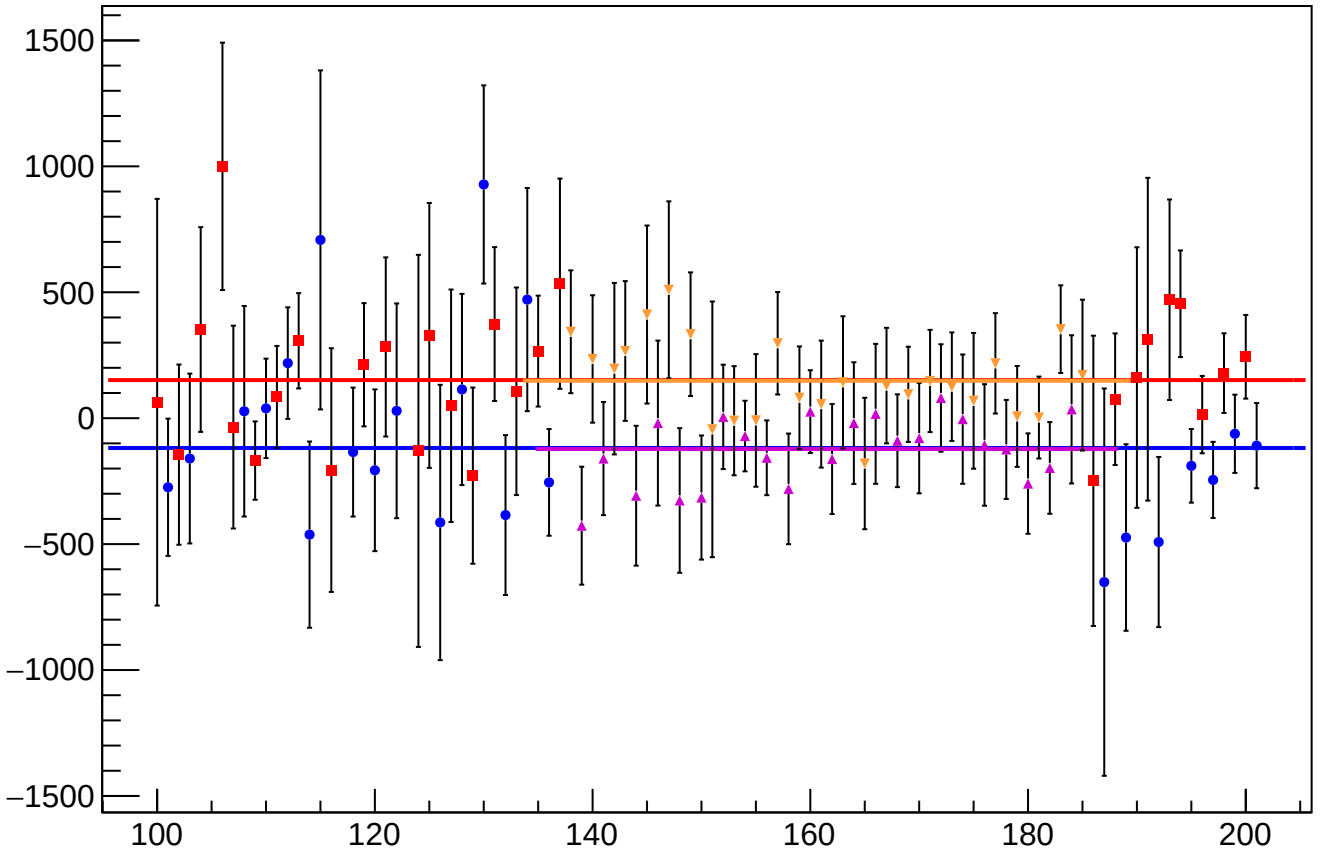
Right Out: 17.334+/-0.003 χ^2/NDF: 71258.7/27

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.122+/-0.002 χ^2/NDF: 167934.7/47

All: 17.130+/-0.002 χ^2/NDF: 349172.4/98

\- sign 17.139+/-0.002 χ^2/NDF: 181205.9/50



Right In: -118.304+/-53.242 χ^2/NDF: 20.3/22

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 151.282+/-51.270 χ^2/NDF: 17.5/27

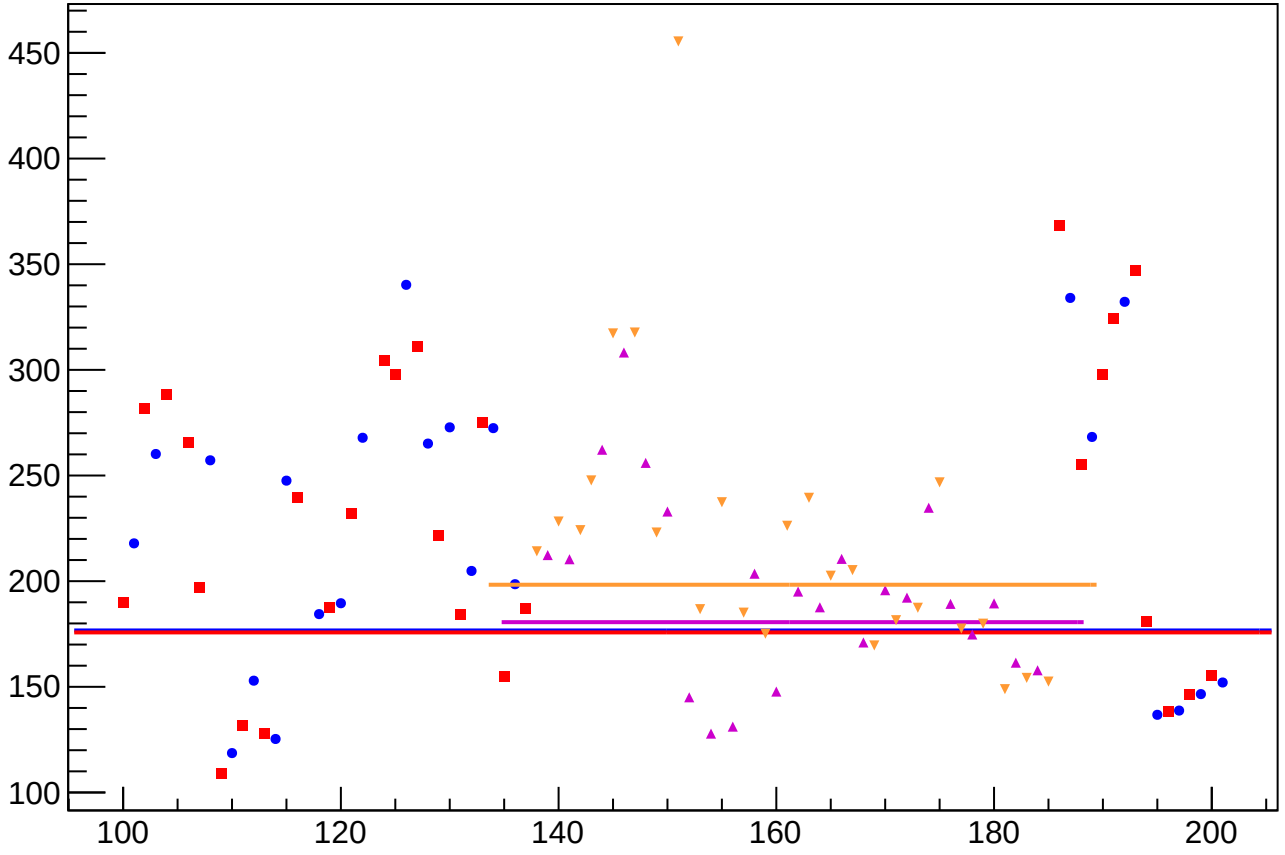
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 32.595+/-35.114 χ^2/NDF: 44.1/47

All: 12.314+/-24.210 χ^2/NDF: 86.4/98

- sign -6.063+/-33.425 χ^2/NDF: 41.7/50

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 176.673+/-0.038 χ^2/NDF: 2155777.1/22

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

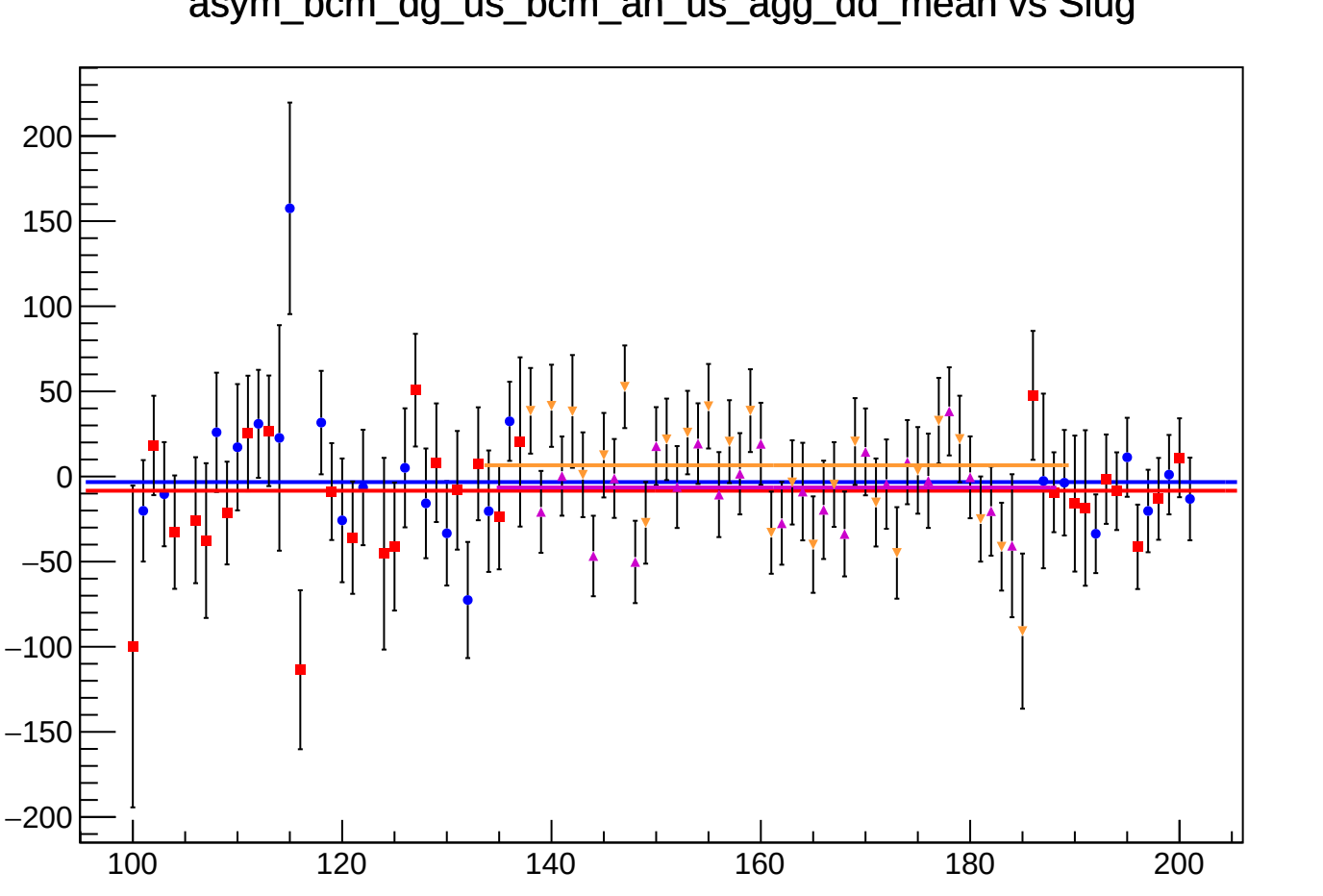
Right Out: 175.750+/-0.036 χ^2/NDF: 2807031.1/27

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 188.900+/-0.025 χ^2/NDF: 4132752.9/47

All: 183.465+/-0.017 χ^2/NDF: 8669499.9/98

- sign 178.539+/-0.024 χ^2/NDF: 4445399.0/50



Right In: -3.268+/-6.368 χ^2/NDF: 21.8/22

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

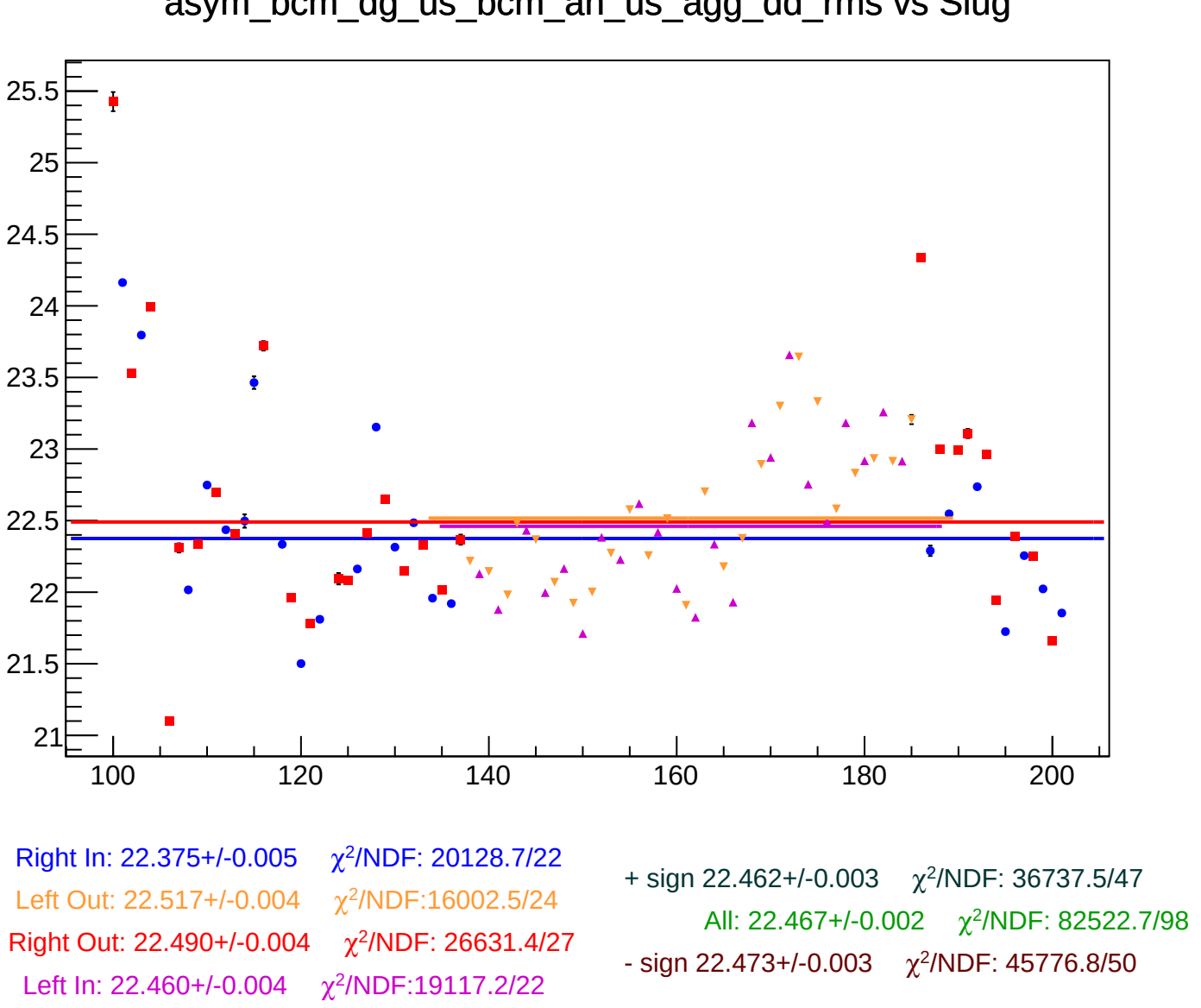
Right Out: -8.350+/-6.075 χ^2/NDF: 21.3/27

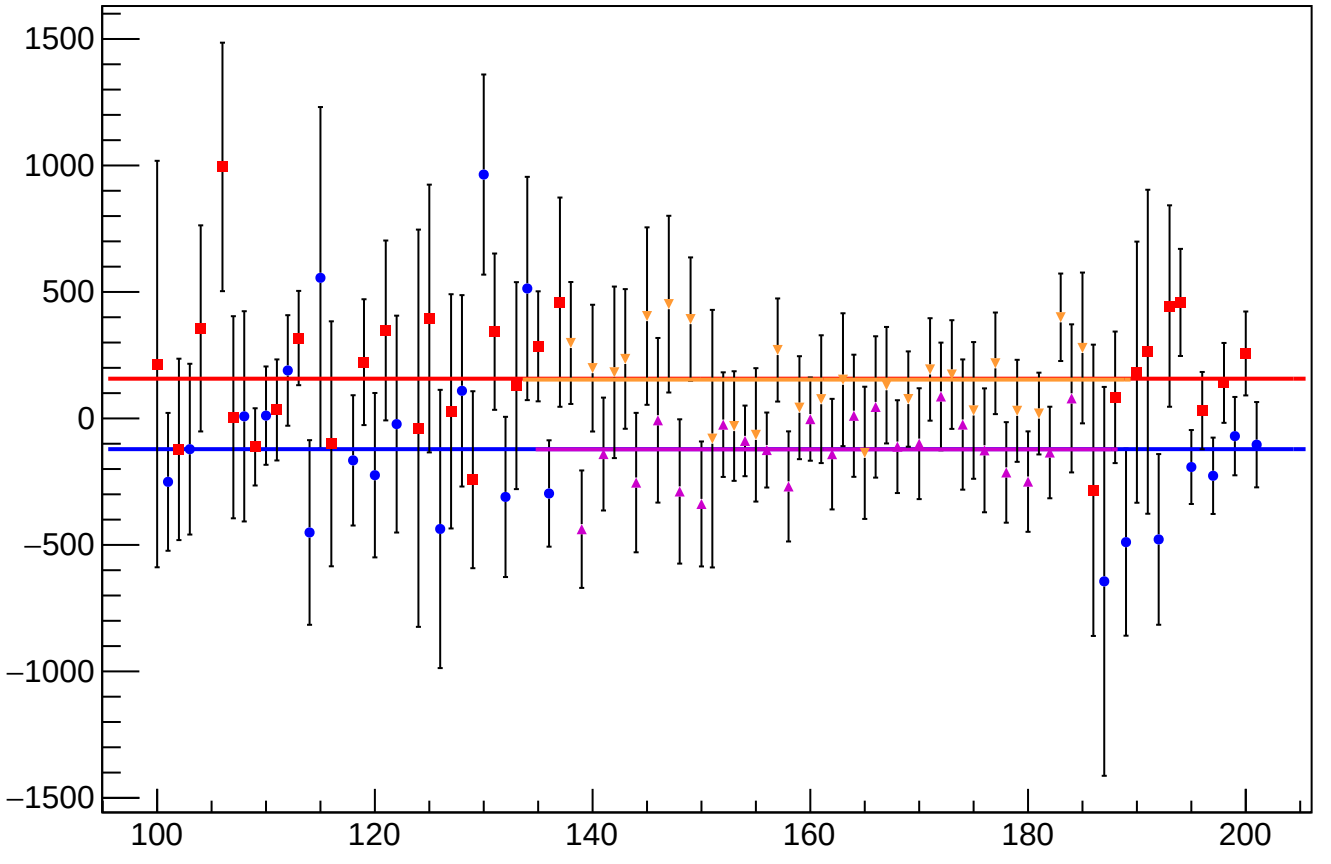
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 2.735+/-3.989 χ^2/NDF: 60.2/47

All: -2.295+/-2.814 χ^2/NDF: 102.1/98

- sign -7.280+/-3.971 χ^2/NDF: 38.8/50


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: 22.490+/-0.004 χ²/NDF: 26631.4/27
Left In: 22.460+/-0.004 χ²/NDF:19117.2/22
+ sign 22.462+/-0.003 χ²/NDF: 36737.5/47
All: 22.467+/-0.002 χ²/NDF: 82522.7/98
- sign 22.473+/-0.003 χ²/NDF: 45776.8/50



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: 157.126+/-51.014 χ^2/NDF: 16.0/27

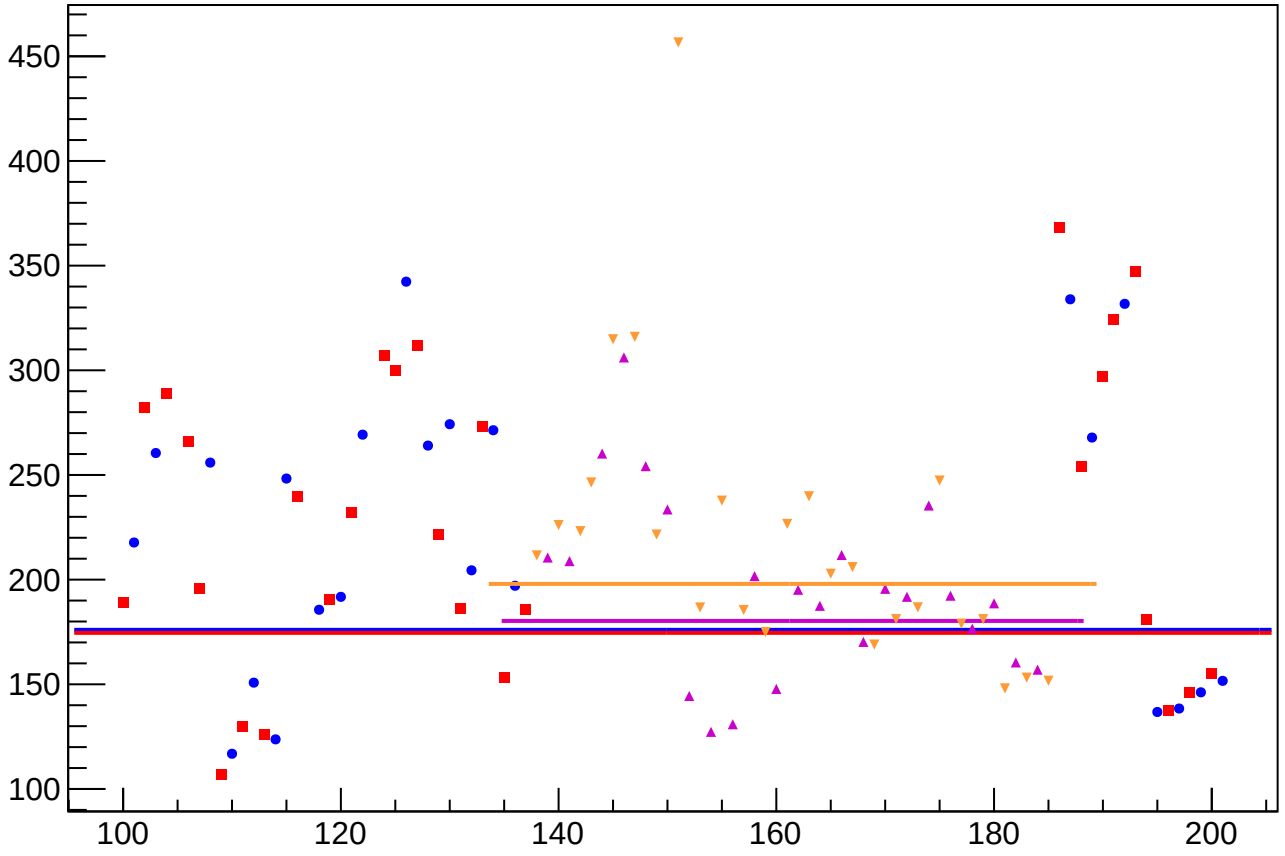
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 33.725+/-35.035 χ^2/NDF: 44.8/47

All: 14.439+/-24.145 χ^2/NDF: 86.0/98

- sign -3.006+/-33.321 χ^2/NDF: 40.6/50

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

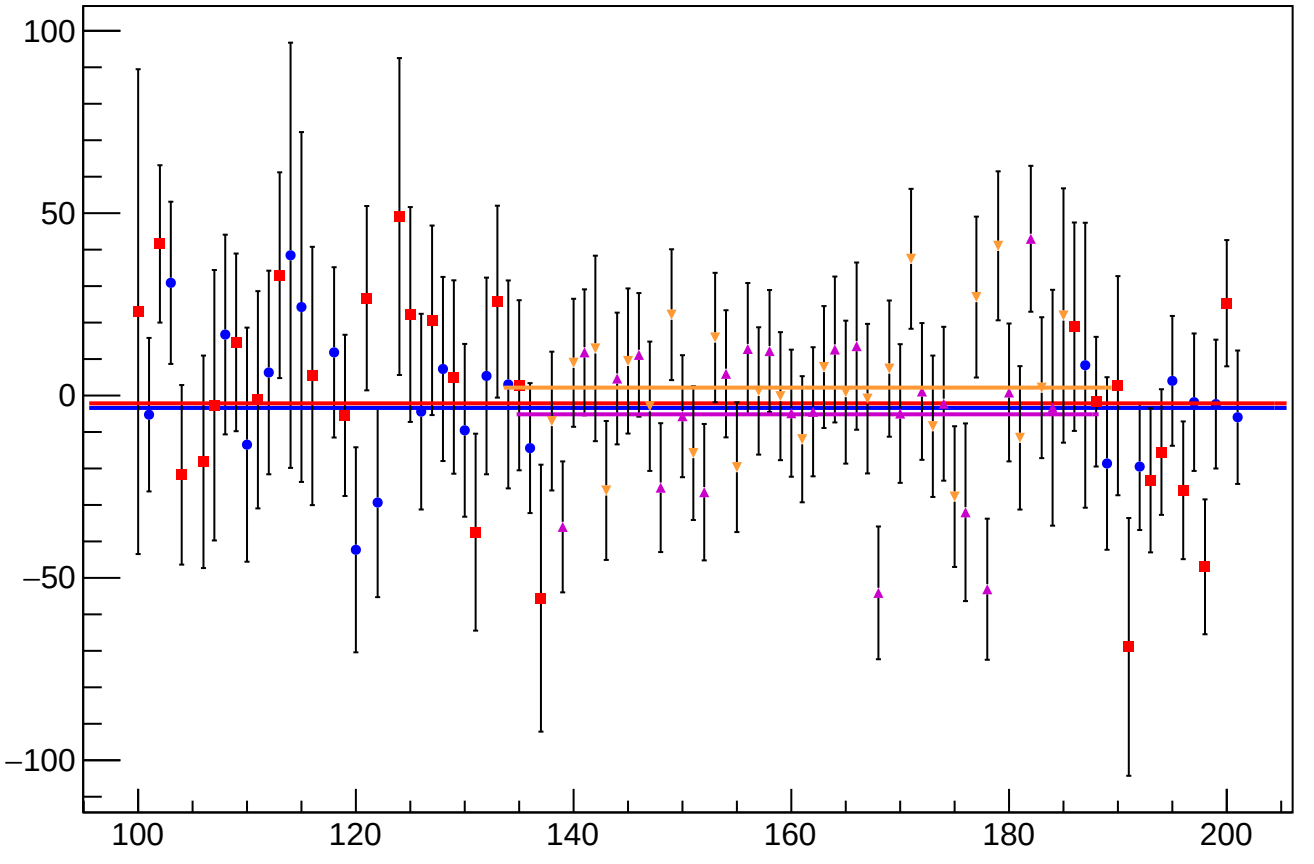
Right Out: 174.583+/-0.036 χ^2/NDF: 2883536.3/27

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 188.398+/-0.025 χ^2/NDF: 4170644.8/47

All: 182.857+/-0.017 χ^2/NDF: 8788390.5/98

- sign 177.846+/-0.024 χ^2/NDF: 4522494.0/50



Right In: -3.403+/-4.903 χ^2/NDF: 9.7/22

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

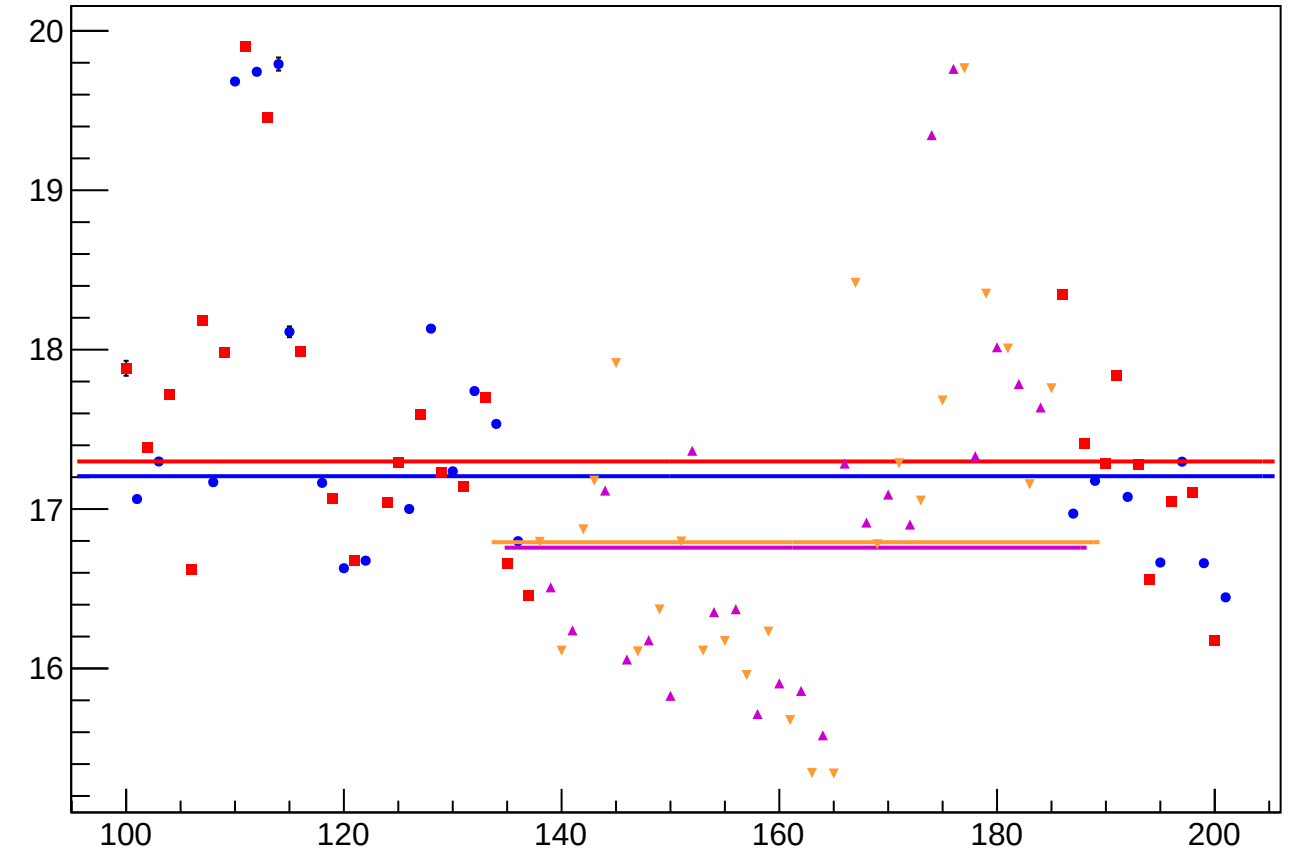
Right Out: -2.144+/-4.678 χ^2/NDF: 32.4/27

Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.064+/-3.016 χ^2/NDF: 30.5/47

All: -1.929+/-2.129 χ^2/NDF: 96.2/98

- sign -3.909+/-3.006 χ^2/NDF: 64.9/50



Right In: 17.206+/-0.003 χ^2/NDF: 47253.1/22

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

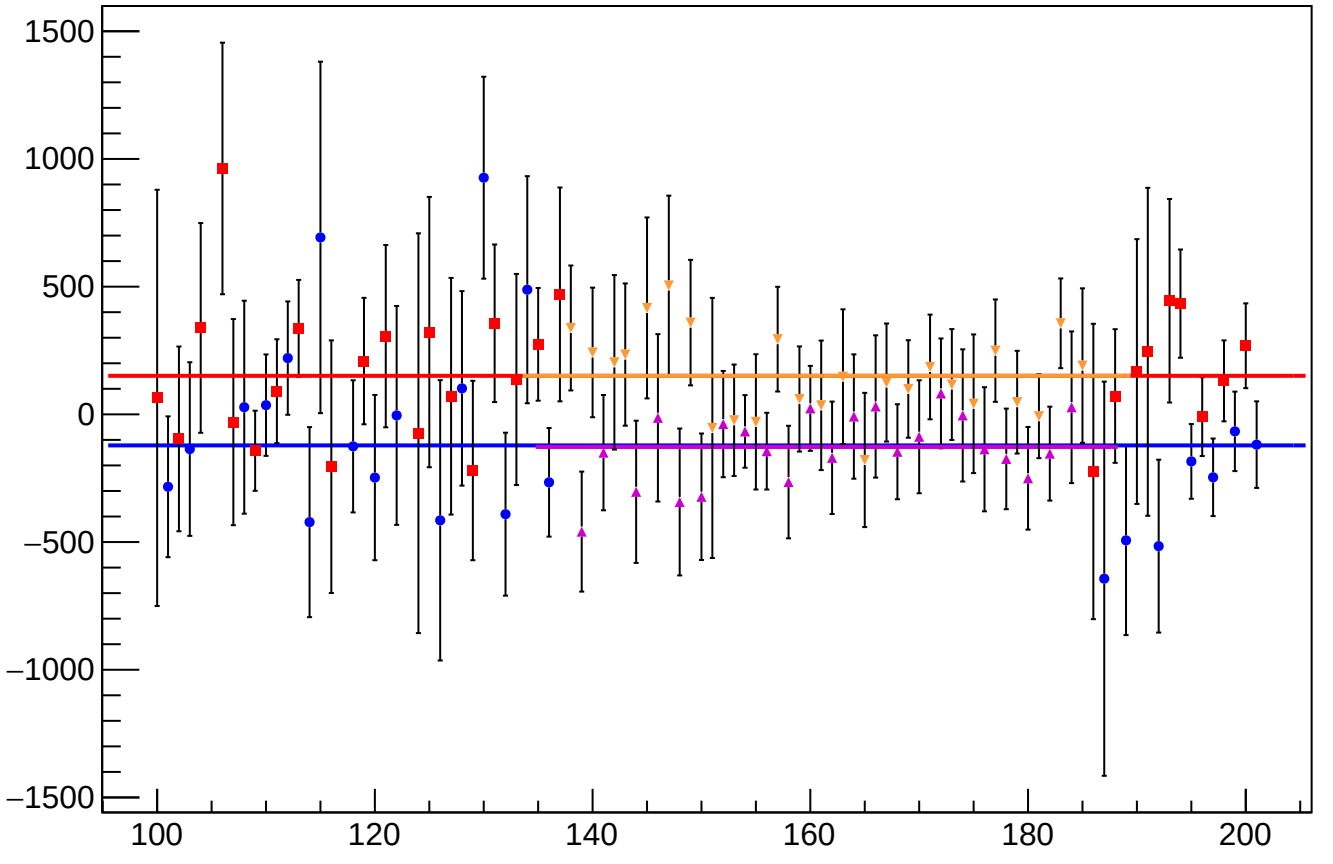
Right Out: 17.298+/-0.003 χ^2/NDF: 53171.6/27

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.949+/-0.002 χ^2/NDF: 193124.2/47

All: 16.965+/-0.002 χ^2/NDF: 385402.0/98

- sign 16.981+/-0.002 χ^2/NDF: 192161.6/50



Right In: -121.578+/-53.450 χ^2/NDF: 20.3/22

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

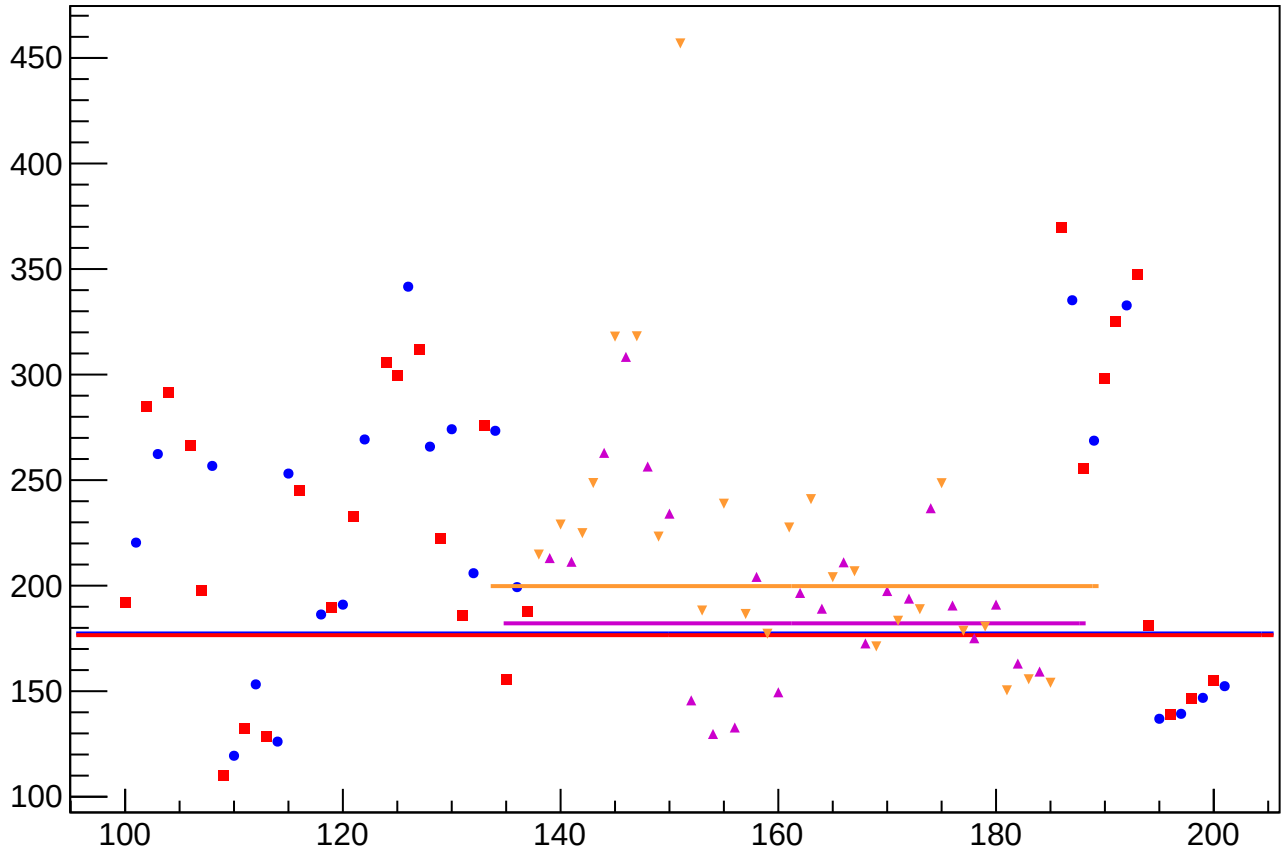
Right Out: 150.899+/-51.493 χ^2/NDF: 16.0/27

Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 31.978+/-35.310 χ^2/NDF: 44.9/47

All: 10.589+/-24.355 χ^2/NDF: 86.2/98

- sign -8.822+/-33.637 χ^2/NDF: 40.6/50



Right In: 177.349+/-0.038 χ^2/NDF: 2163356.4/22

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

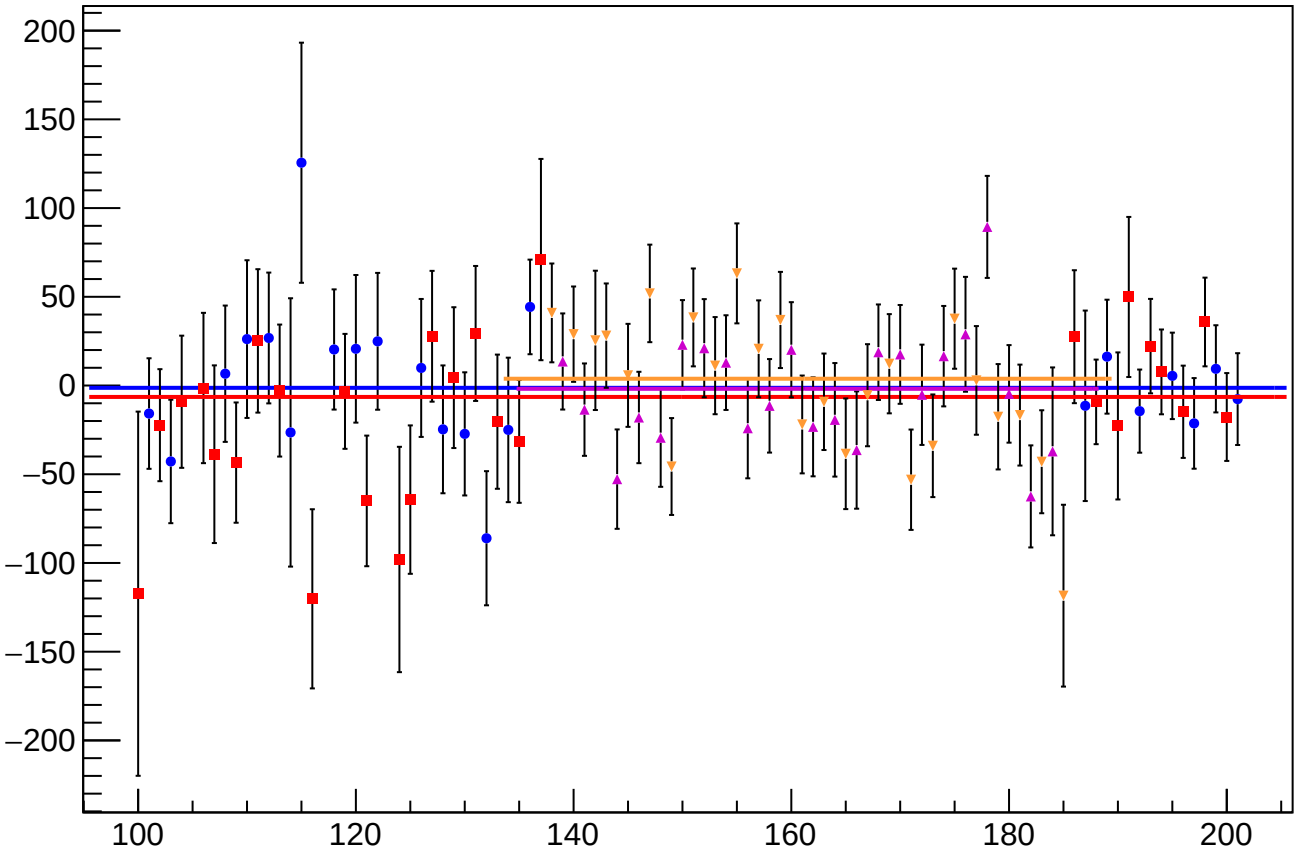
Right Out: 176.553+/-0.036 χ^2/NDF: 2807000.5/27

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 189.994+/-0.025 χ^2/NDF: 4122272.7/47

All: 184.630+/-0.017 χ^2/NDF: 8615215.7/98

- sign 179.762+/-0.024 χ^2/NDF: 4404904.7/50



Right In: -1.295+/-6.938 χ^2/NDF: 18.4/22

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

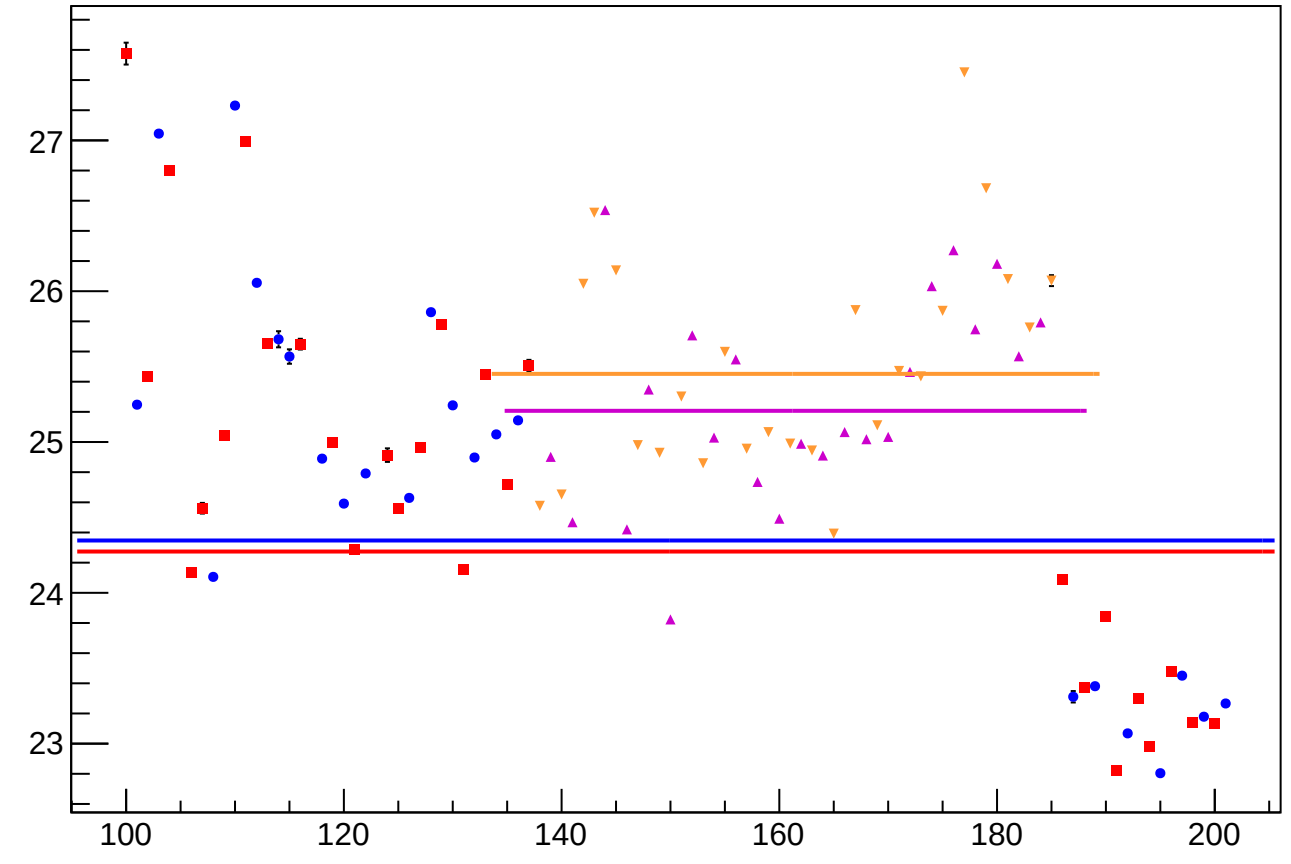
Right Out: -6.431+/-6.563 χ^2/NDF: 26.9/27

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.727+/-4.445 χ^2/NDF: 56.3/47

All: -1.122+/-3.122 χ^2/NDF: 112.3/98

- sign -3.894+/-4.385 χ^2/NDF: 55.2/50



Right In: 24.347+/-0.005 χ^2/NDF: 63419.9/22

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

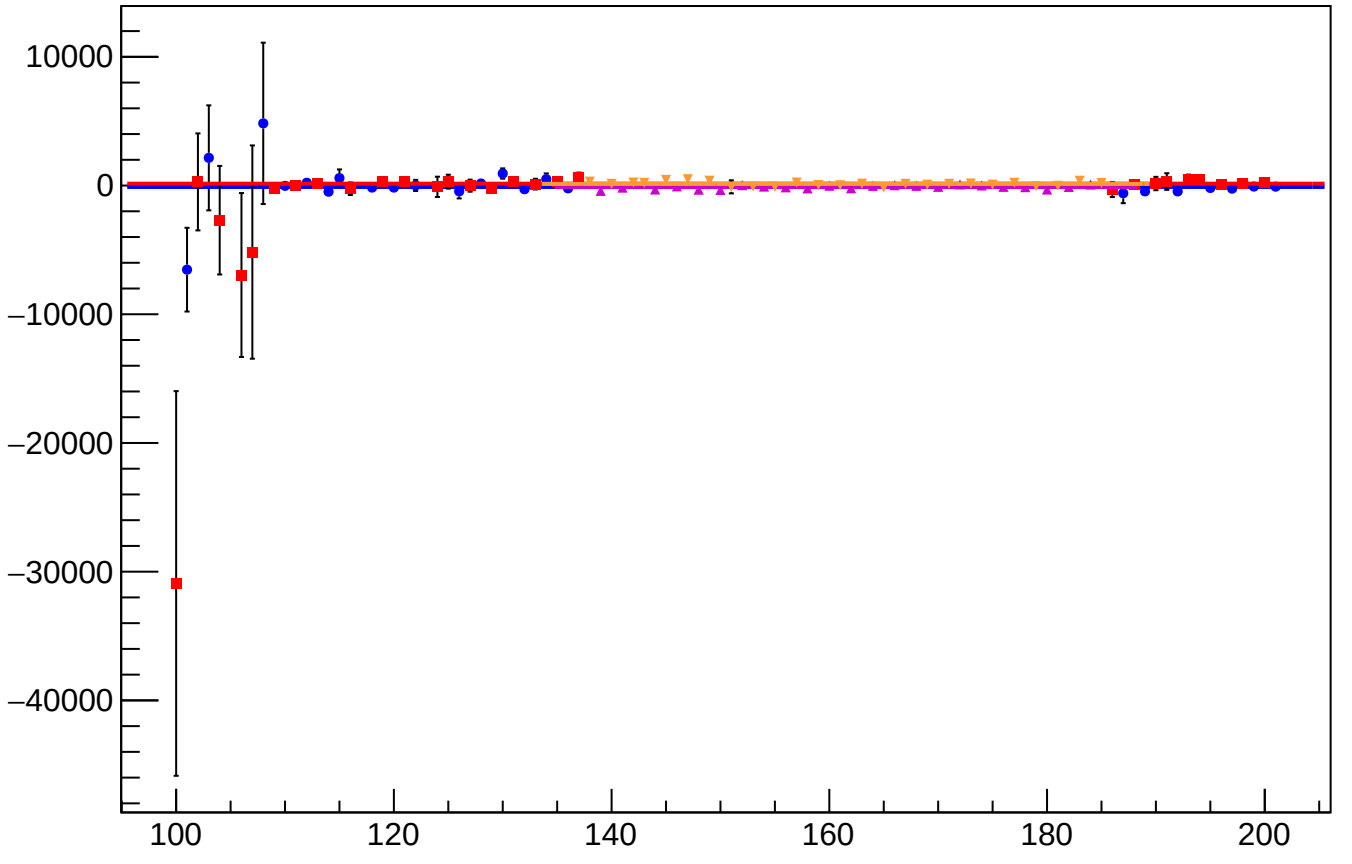
Right Out: 24.274+/-0.005 χ^2/NDF: 60426.0/27

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.998+/-0.003 χ^2/NDF: 122934.6/47

All: 24.893+/-0.002 χ^2/NDF: 233784.2/98

- sign 24.790+/-0.003 χ^2/NDF: 108630.4/50



Right In: -109.509+/-56.522 χ^2/NDF: 22.9/22

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

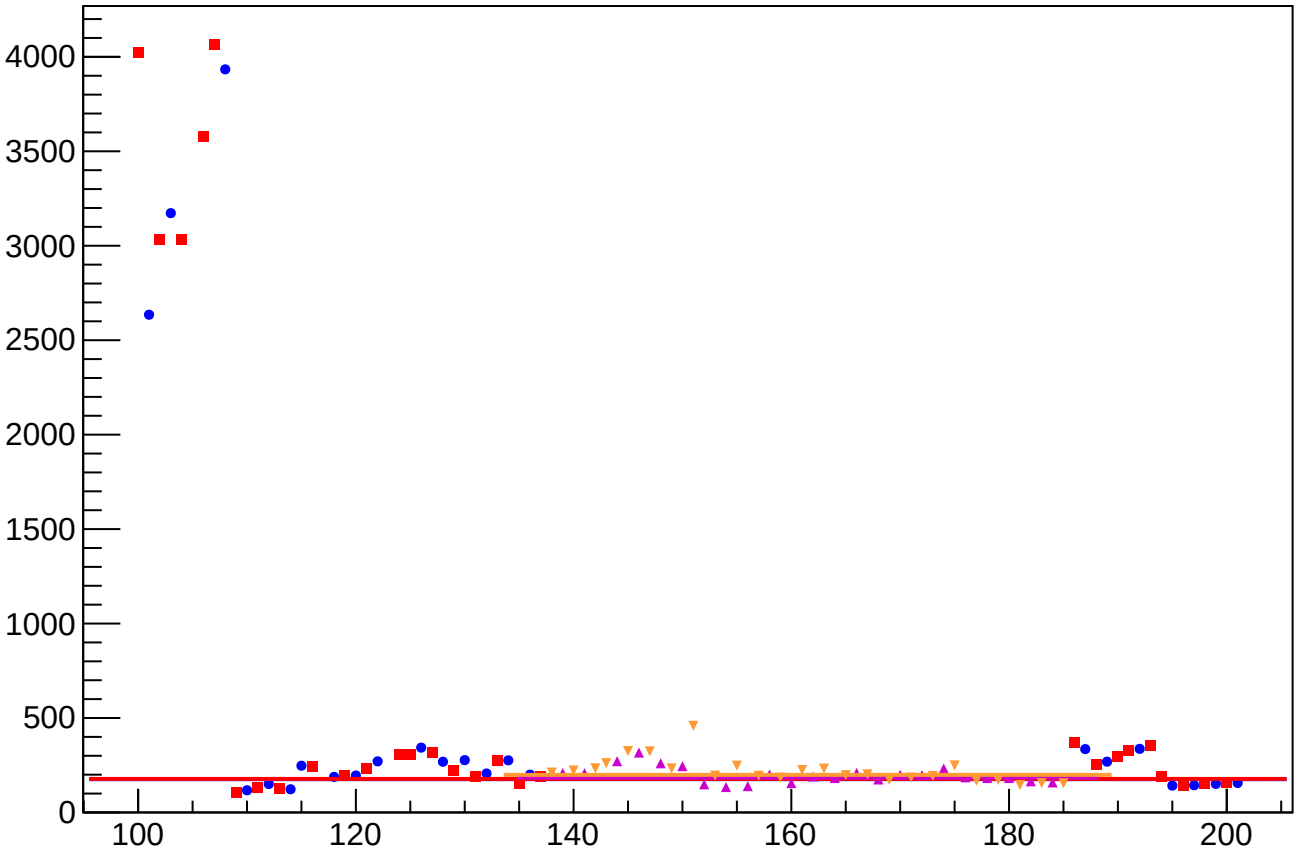
Right Out: 145.562+/-55.372 χ^2/NDF: 17.9/27

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 29.410+/-36.104 χ^2/NDF: 44.2/47

All: 7.411+/-25.079 χ^2/NDF: 84.4/98

- sign -13.100+/-34.862 χ^2/NDF: 39.5/50



Right In: 176.335+/-0.040 χ^2/NDF: 4799136.7/22

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

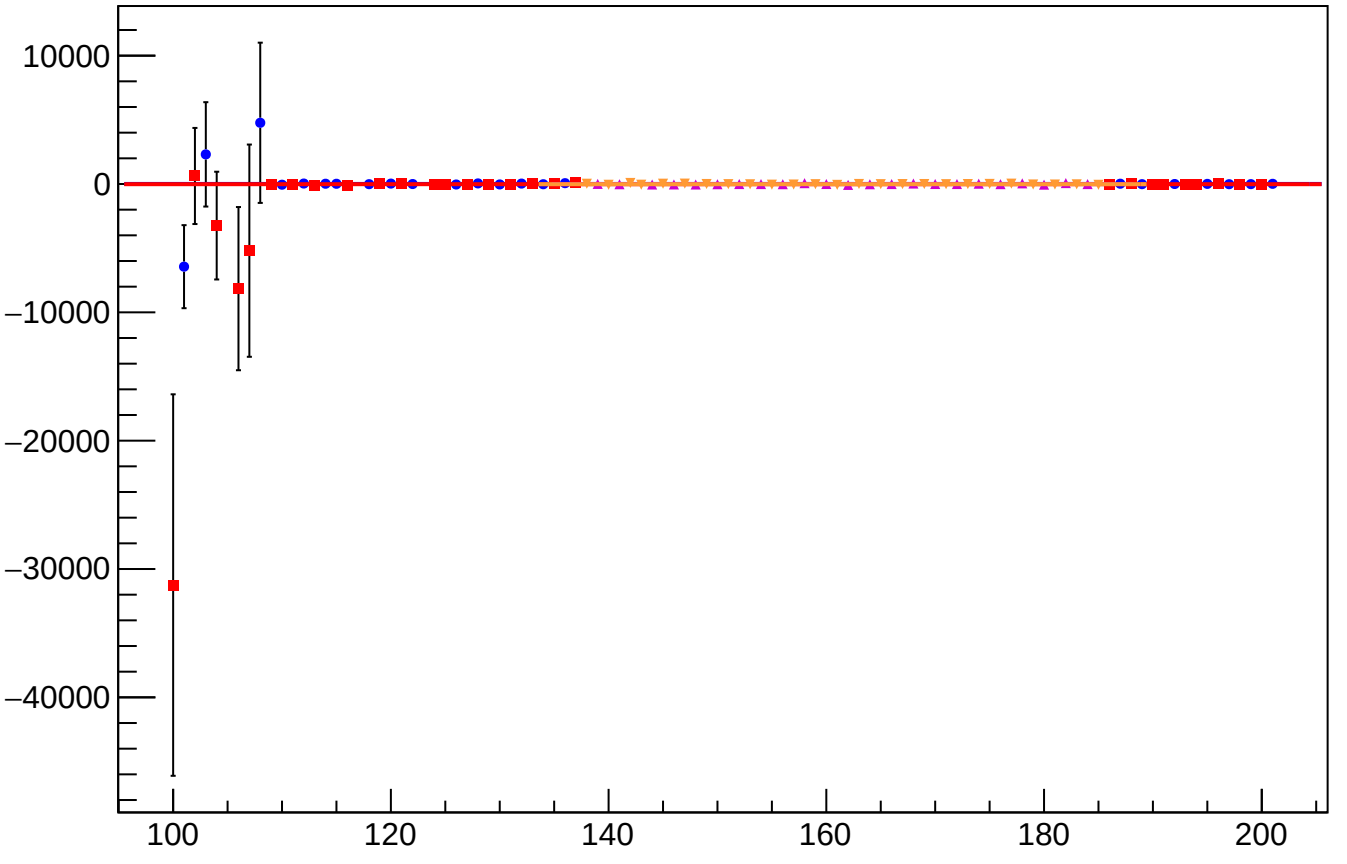
Right Out: 177.558+/-0.039 χ^2/NDF: 5469252.1/27

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 189.748+/-0.026 χ^2/NDF: 6891571.1/47

All: 185.577+/-0.018 χ^2/NDF: 13877145.9/98

- sign 181.687+/-0.025 χ^2/NDF: 6933981.0/50



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: -14.480+/-8.099 χ^2/NDF: 28.7/27

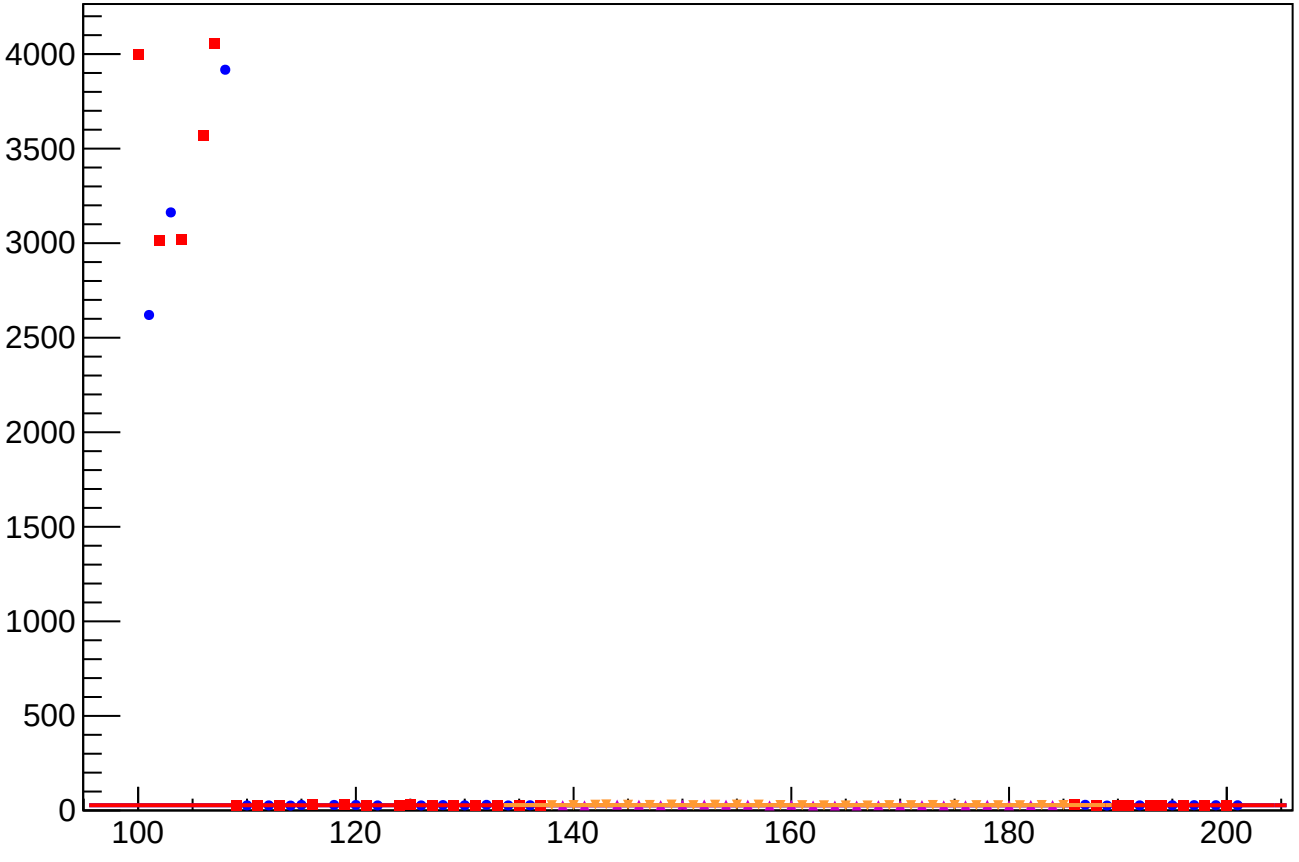
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

\+ sign -7.614+/-5.148 χ^2/NDF: 42.8/47

All: -7.395+/-3.646 χ^2/NDF: 101.2/98

\- sign -7.176+/-5.164 χ^2/NDF: 58.4/50

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

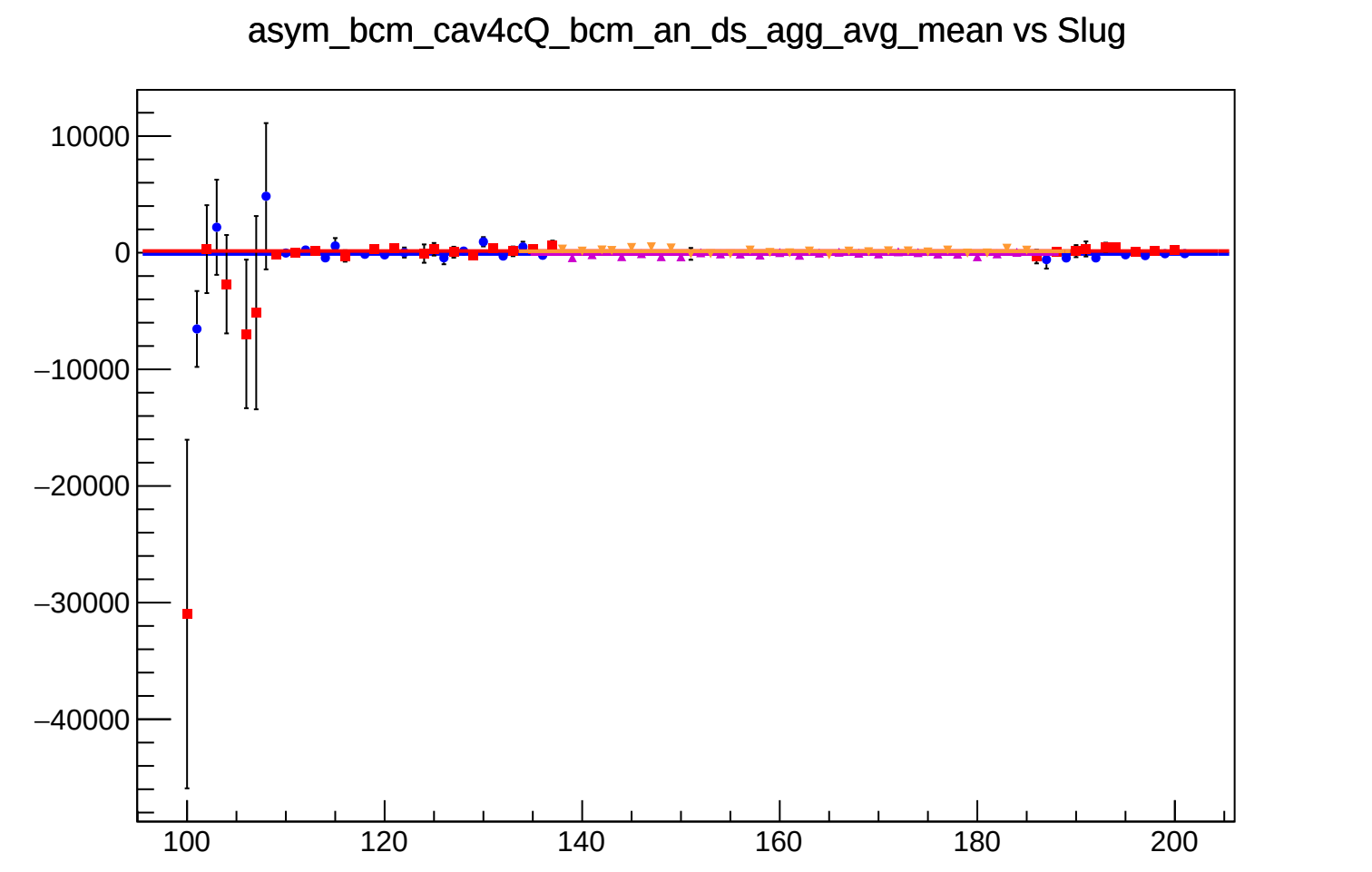
Right Out: 27.579+/-0.006 χ^2/NDF: 3582784.8/27

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.178+/-0.004 χ^2/NDF: 3382573.3/47

All: 28.183+/-0.003 χ^2/NDF: 7107370.4/98

- sign 28.188+/-0.004 χ^2/NDF: 3724793.4/50



Right In: -108.710+/-56.351 χ^2/NDF: 22.9/22

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

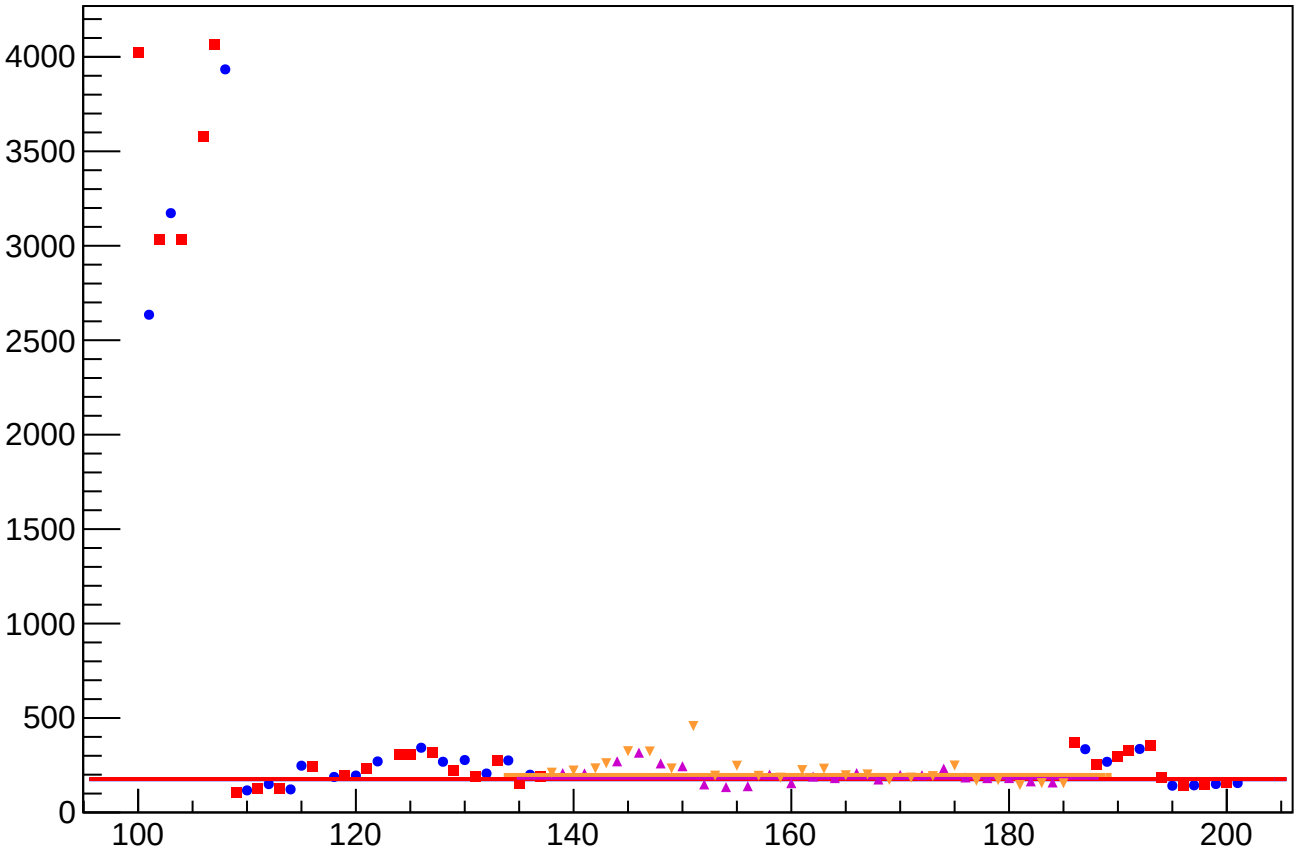
Right Out: 145.637+/-55.224 χ^2/NDF: 18.3/27

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 27.716+/-36.014 χ^2/NDF: 44.8/47

All: 6.993+/-25.020 χ^2/NDF: 85.7/98

- sign -12.340+/-34.785 χ^2/NDF: 40.2/50



Right In: 175.739+/-0.040 χ^2/NDF: 4813386.8/22

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

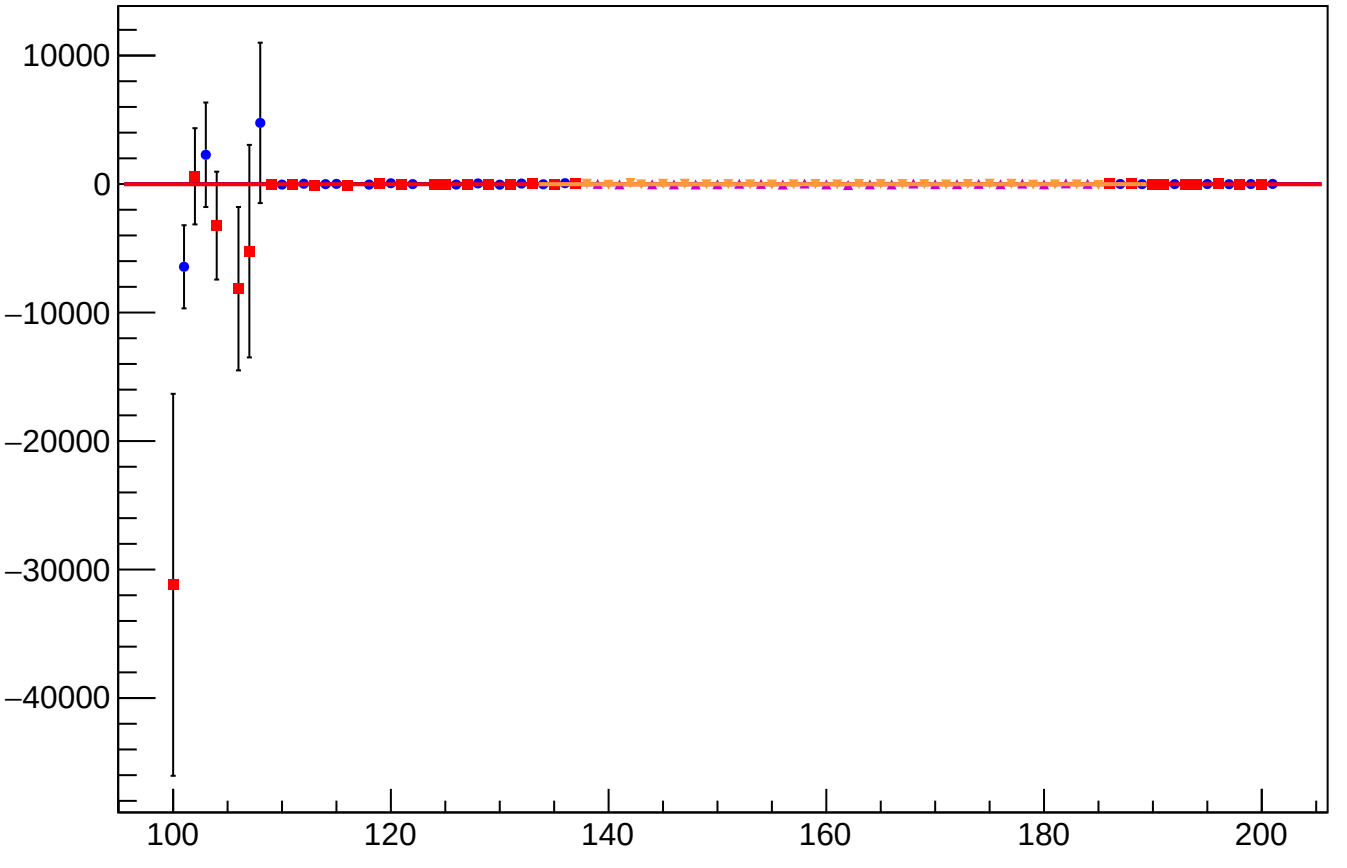
Right Out: 177.007+/-0.039 χ^2/NDF: 5487533.0/27

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 189.245+/-0.025 χ^2/NDF: 6909108.8/47

All: 185.112+/-0.018 χ^2/NDF: 13912608.3/98

- sign 181.256+/-0.025 χ^2/NDF: 6952586.4/50



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: -16.098+/-8.109 χ^2/NDF: 28.2/27

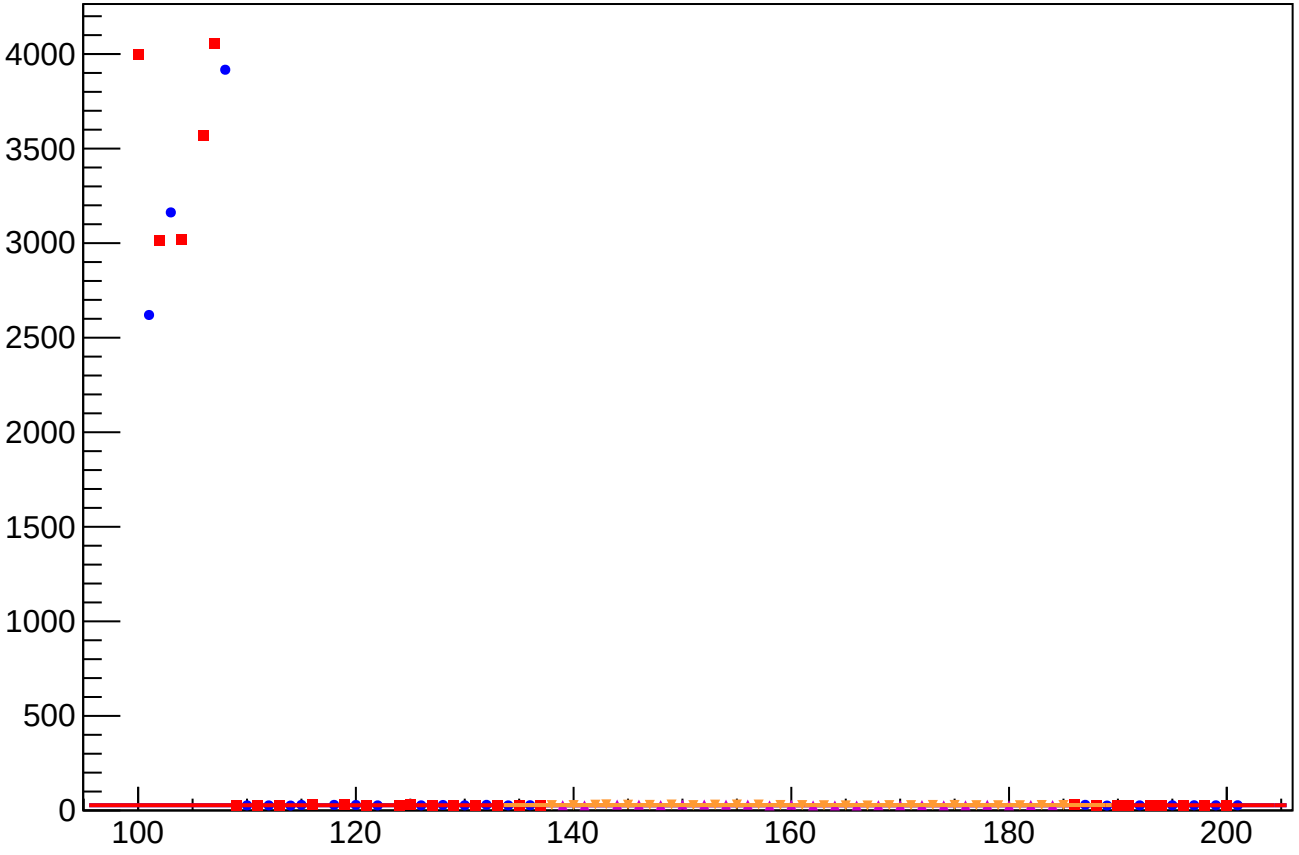
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.580+/-5.164 χ^2/NDF: 38.5/47

All: -7.334+/-3.657 χ^2/NDF: 90.6/98

- sign -8.093+/-5.180 χ^2/NDF: 52.0/50

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.514+/-0.006 χ^2/NDF: 3275051.5/22

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

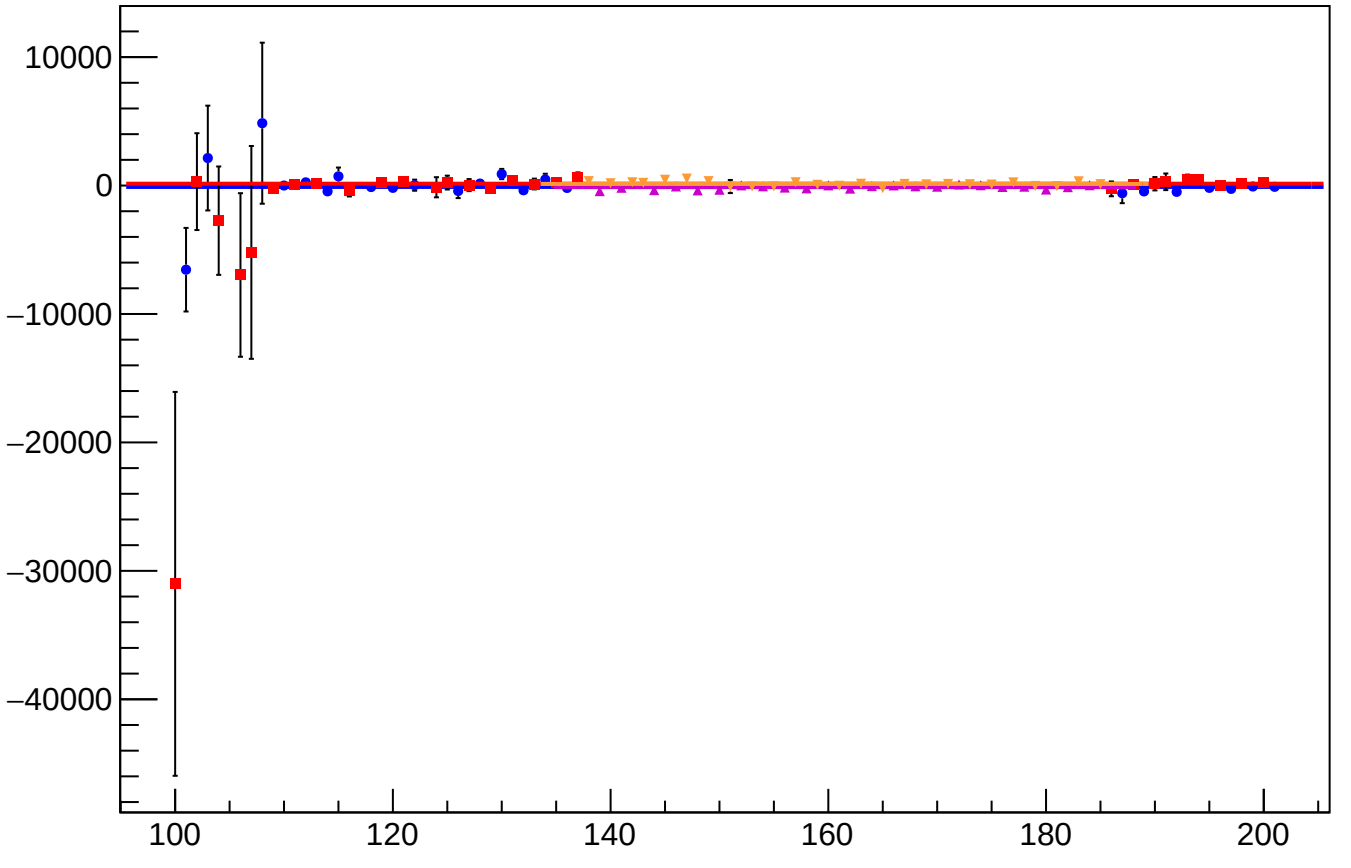
Right Out: 27.613+/-0.006 χ^2/NDF: 3579724.5/27

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.258+/-0.004 χ^2/NDF: 3399006.2/47

All: 28.265+/-0.003 χ^2/NDF: 7128492.2/98

\- sign 28.273+/-0.004 χ^2/NDF: 3729477.5/50



Right In: -108.098+/-56.817 χ^2/NDF: 23.5/22

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

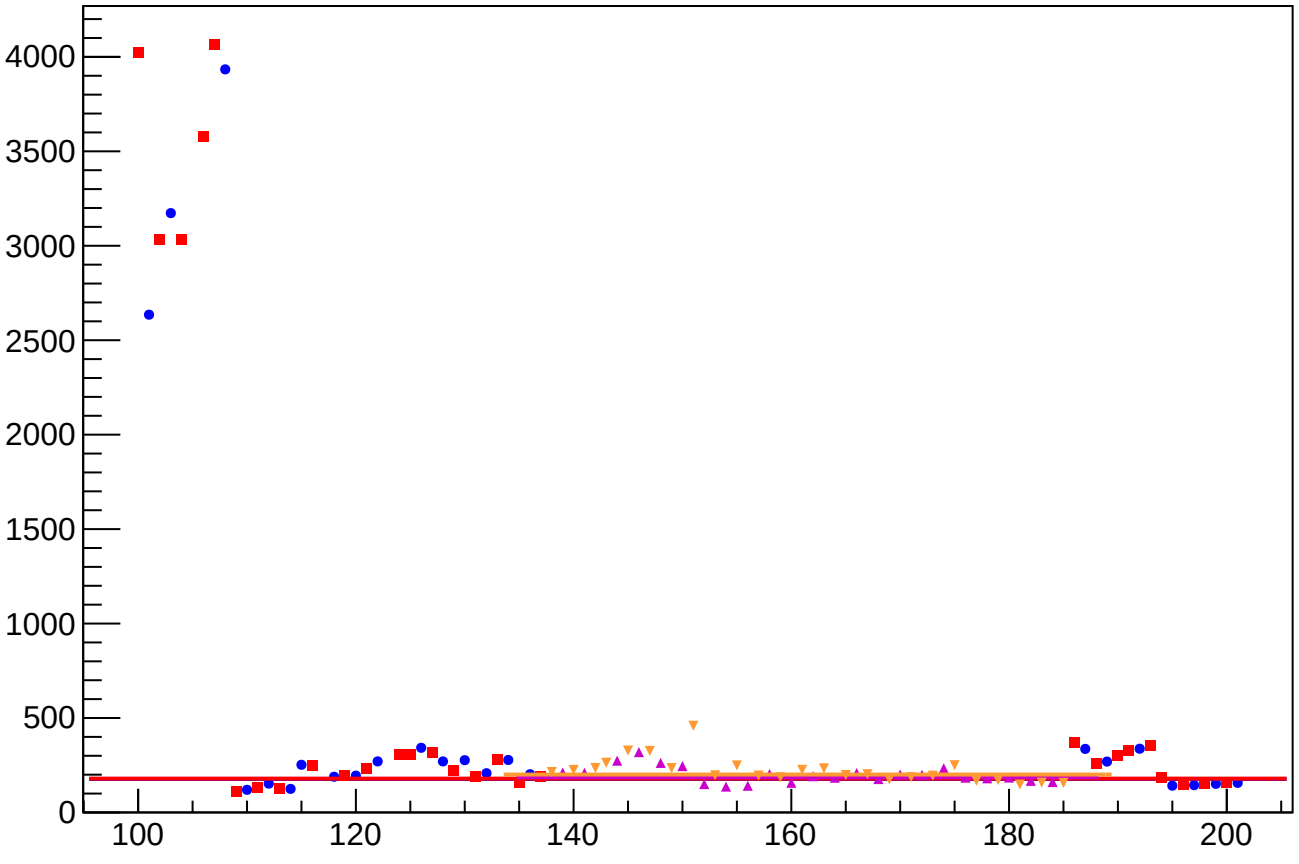
Right Out: 143.256+/-55.728 χ^2/NDF: 17.5/27

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 28.321+/-36.352 χ^2/NDF: 44.6/47

All: 4.797+/-25.264 χ^2/NDF: 85.1/98

- sign -17.181+/-35.137 χ^2/NDF: 39.7/50



Right In: 177.366+/-0.040 χ^2/NDF: 4778993.6/22

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

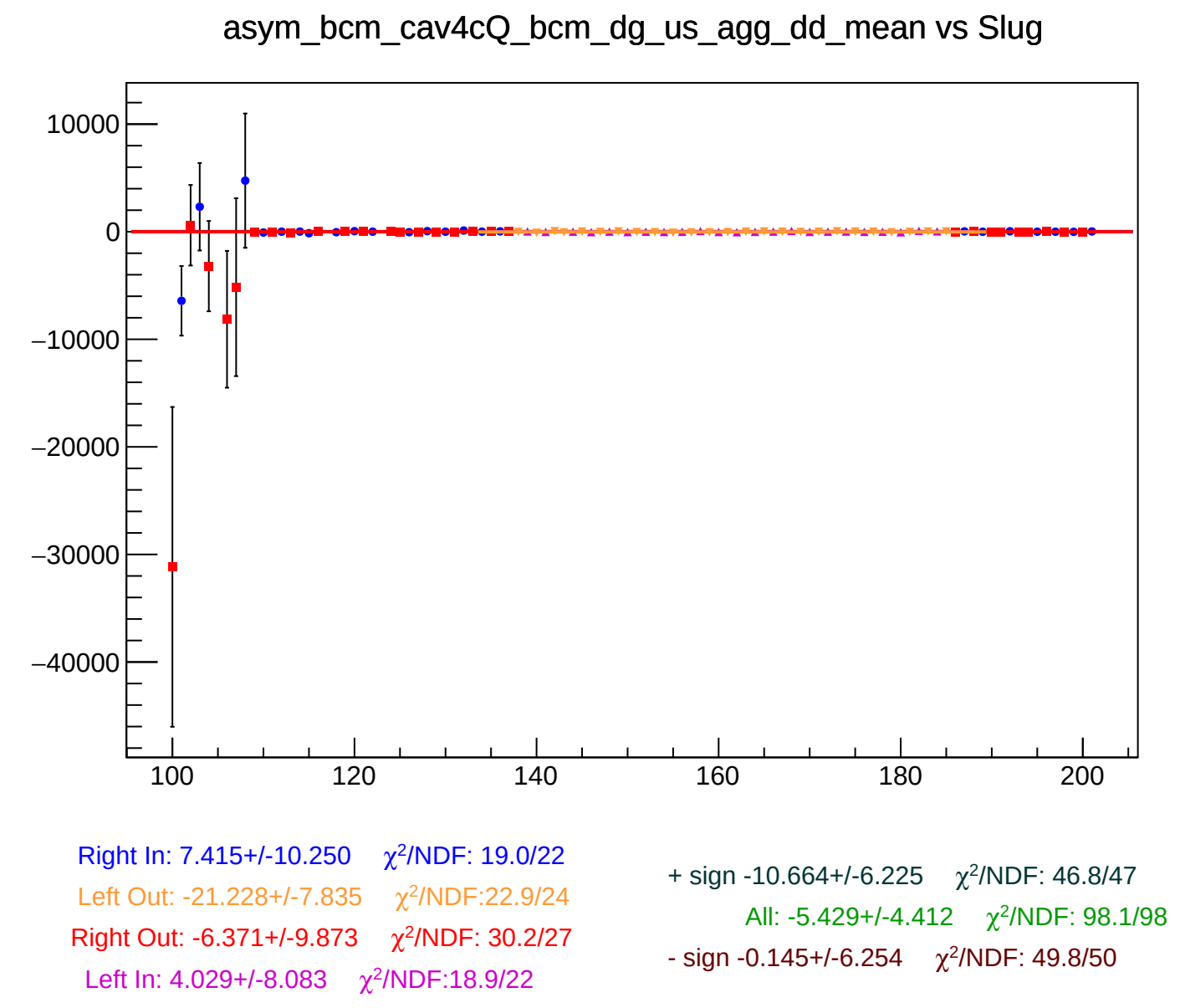
Right Out: 178.939+/-0.039 χ^2/NDF: 5419578.1/27

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

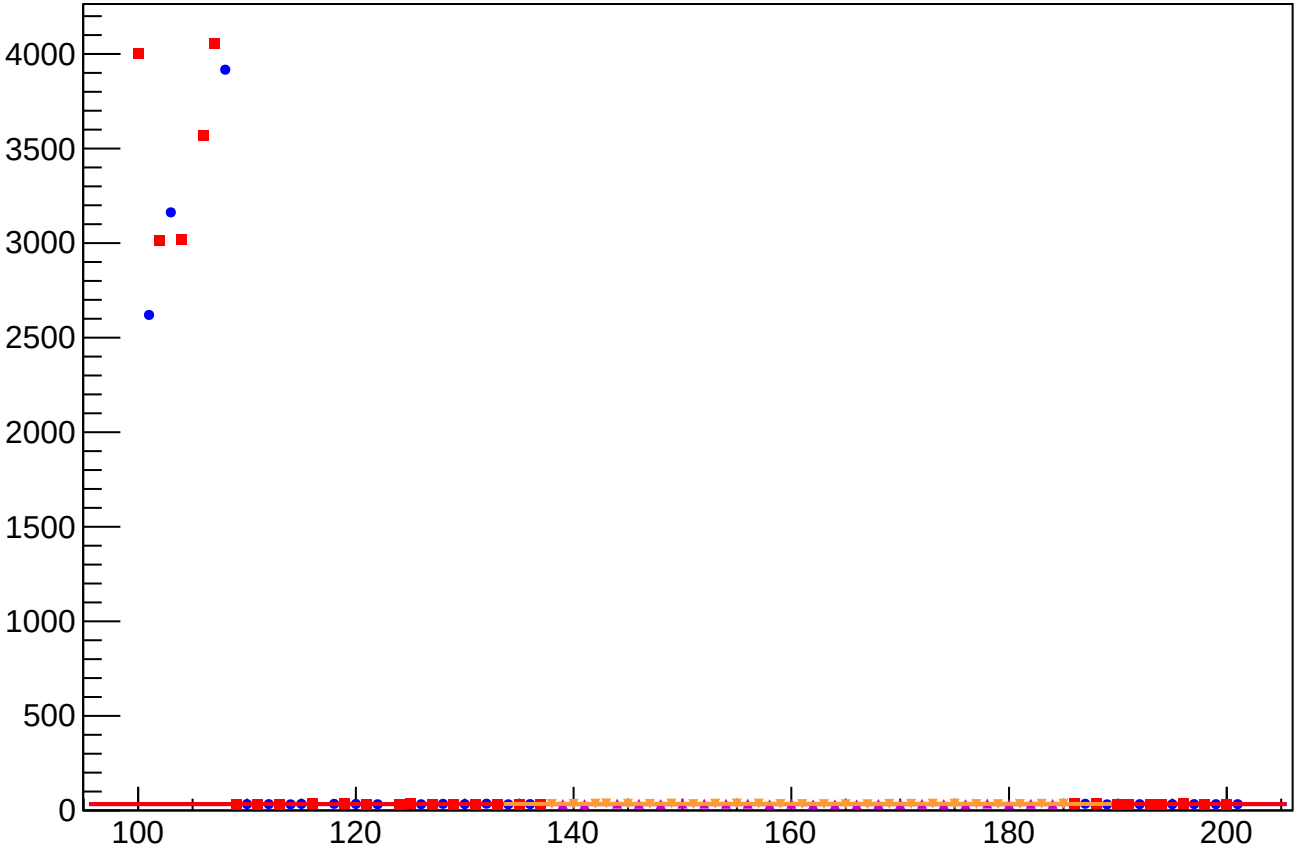
+ sign 191.140+/-0.026 χ^2/NDF: 6858083.5/47

All: 187.084+/-0.018 χ^2/NDF: 13759488.2/98

- sign 183.295+/-0.025 χ^2/NDF: 6853248.7/50


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 7.415+/-10.250 χ²/NDF: 19.0/22
Left Out: -21.228+/-7.835 χ²/NDF:22.9/24
Right Out: -6.371+/-9.873 χ²/NDF: 30.2/27
Left In: 4.029+/-8.083 χ²/NDF:18.9/22
+ sign -10.664+/-6.225 χ²/NDF: 46.8/47
All: -5.429+/-4.412 χ²/NDF: 98.1/98
- sign -0.145+/-6.254 χ²/NDF: 49.8/50

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

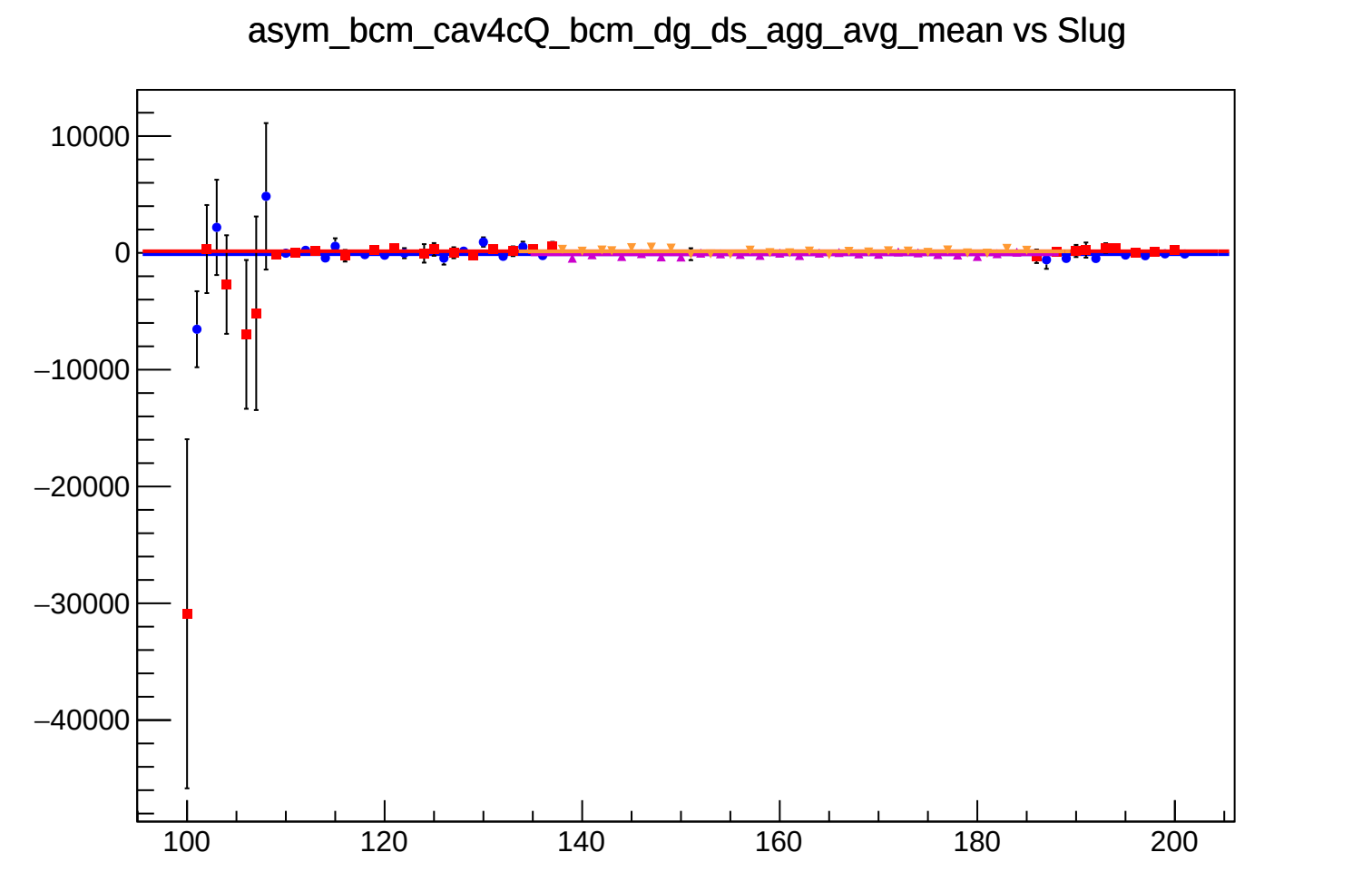
Right Out: 33.673+/-0.007 χ^2/NDF: 3539789.0/27

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.114+/-0.004 χ^2/NDF: 3303205.5/47

All: 34.156+/-0.003 χ^2/NDF: 6911958.0/98

- sign 34.199+/-0.004 χ^2/NDF: 3608564.6/50



Right In: -113.570+/-56.634 χ^2/NDF: 22.8/22

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

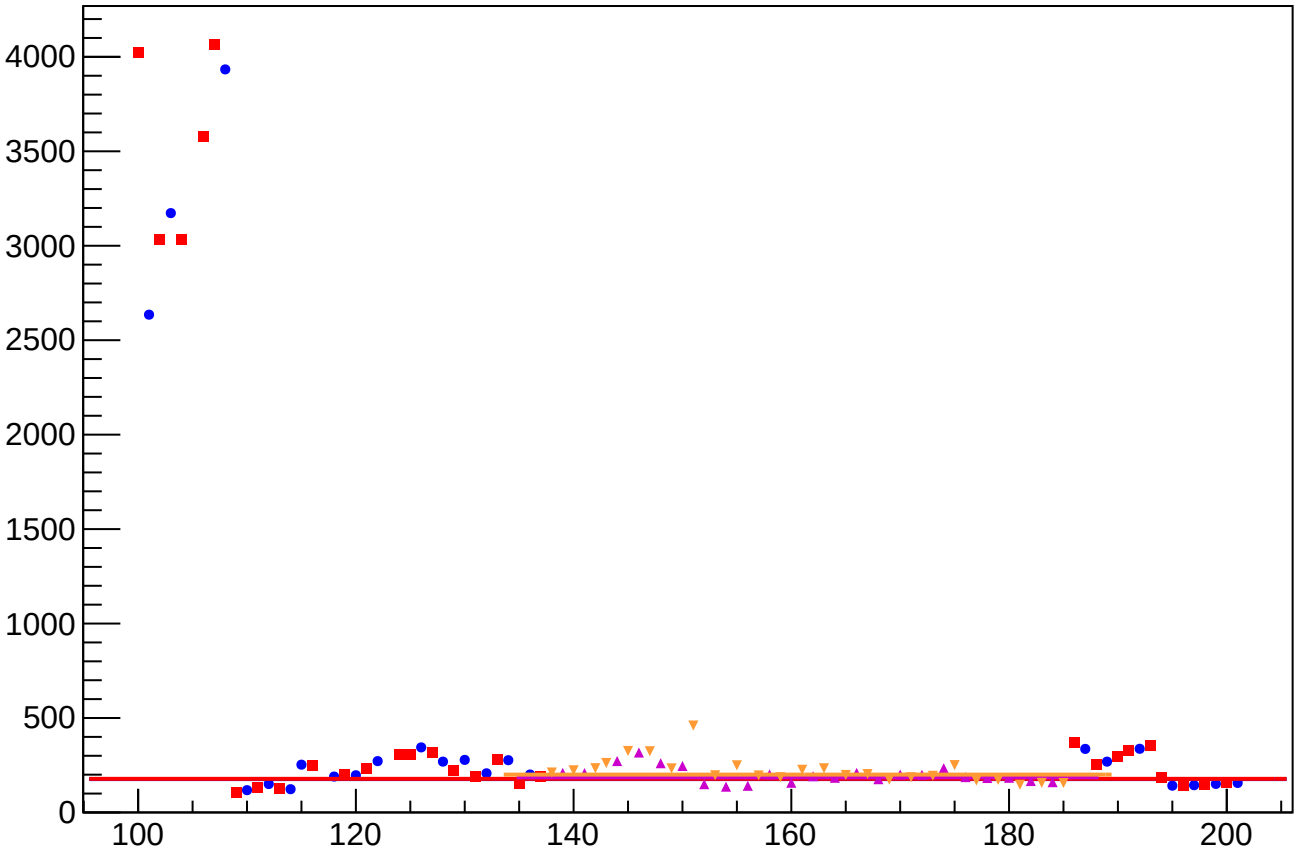
Right Out: 143.547+/-55.487 χ^2/NDF: 16.9/27

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 28.730+/-36.271 χ^2/NDF: 45.1/47

All: 5.303+/-25.202 χ^2/NDF: 84.7/98

- sign -16.566+/-35.044 χ^2/NDF: 38.8/50



Right In: 176.647+/-0.040 χ^2/NDF: 4808689.9/22

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

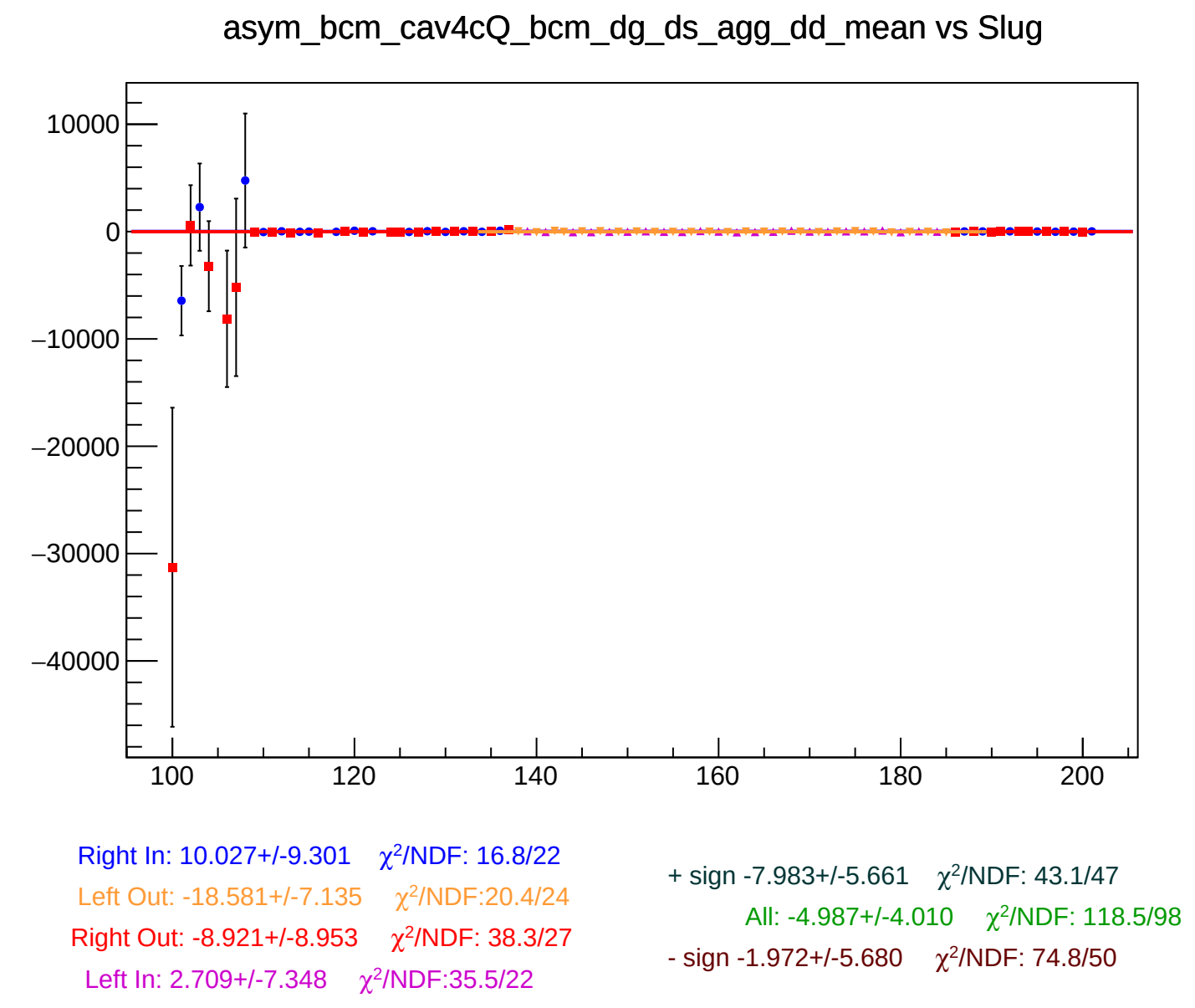
Right Out: 177.922+/-0.039 χ^2/NDF: 5474133.8/27

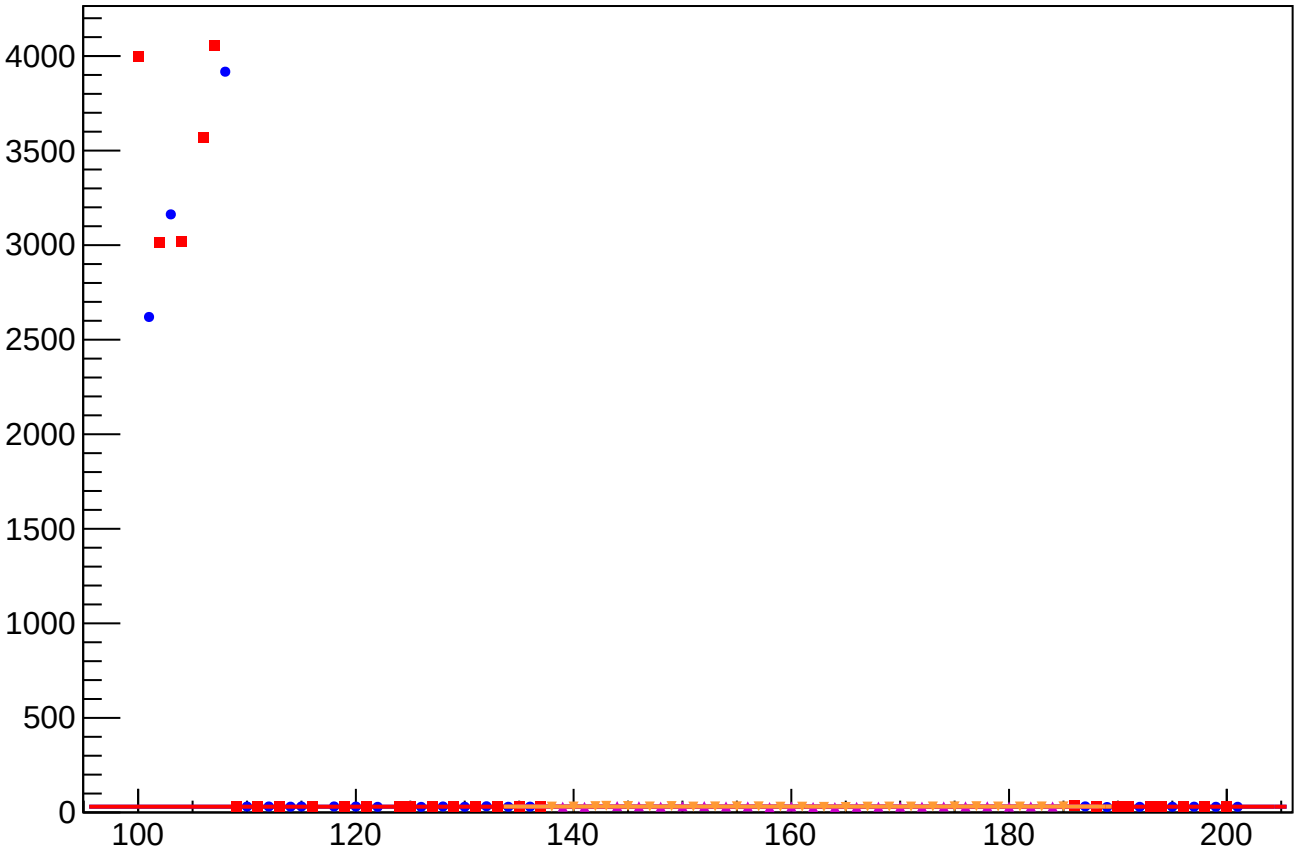
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 190.641+/-0.026 χ^2/NDF: 6892245.7/47

All: 186.534+/-0.018 χ^2/NDF: 13846151.6/98

- sign 182.701+/-0.025 χ^2/NDF: 6904336.3/50


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 10.027+/-9.301 χ²/NDF: 16.8/22
Left Out: -18.581+/-7.135 χ²/NDF:20.4/24
Right Out: -8.921+/-8.953 χ²/NDF: 38.3/27
Left In: 2.709+/-7.348 χ²/NDF:35.5/22
+ sign -7.983+/-5.661 χ²/NDF: 43.1/47
All: -4.987+/-4.010 χ²/NDF: 118.5/98
- sign -1.972+/-5.680 χ²/NDF: 74.8/50



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: 30.507+/-0.006 χ^2/NDF: 3556946.2/27

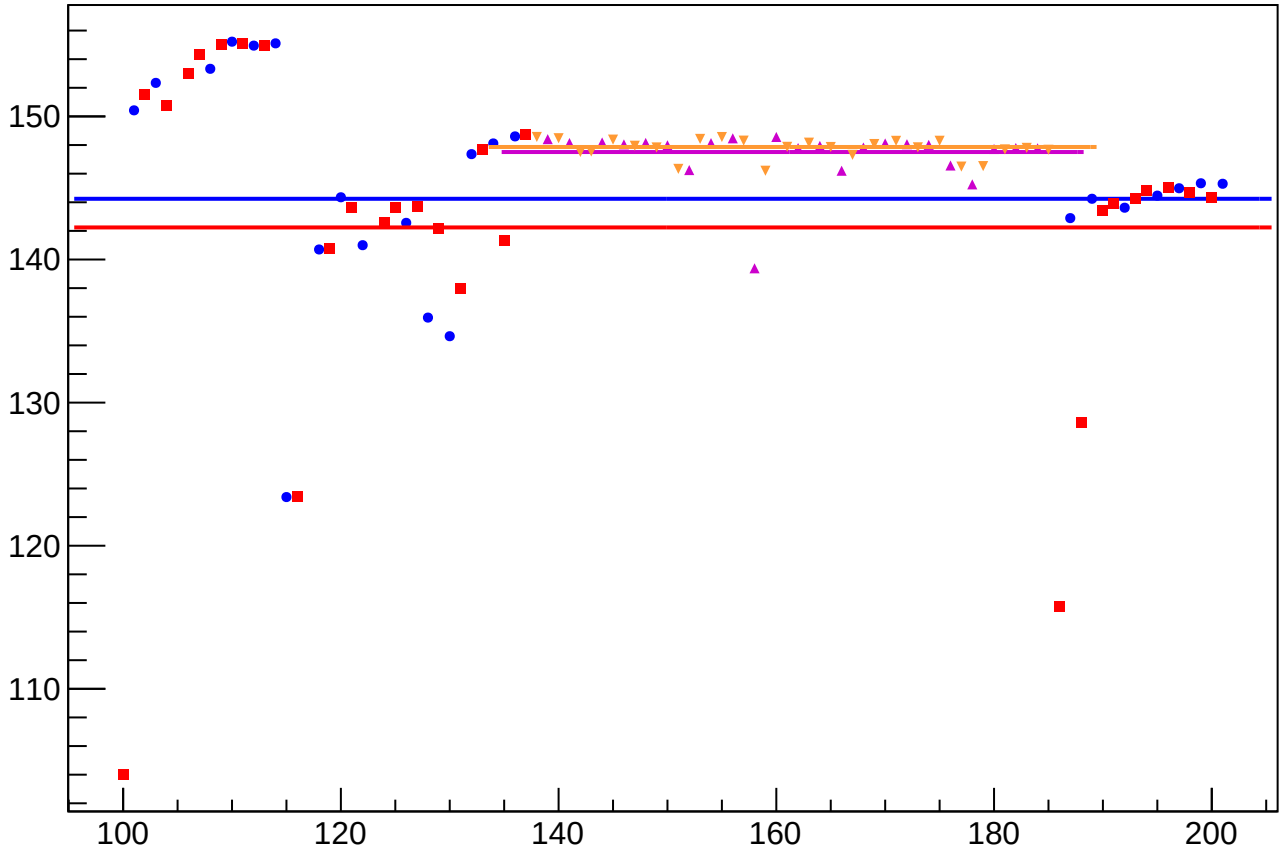
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.002+/-0.004 χ^2/NDF: 3338365.2/47

All: 31.015+/-0.003 χ^2/NDF: 6991903.6/98

- sign 31.028+/-0.004 χ^2/NDF: 3653516.7/50

yield_bcm_target_mean vs Slug



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: 142.242+/-0.000 χ^2/NDF: 7506181618.7/27

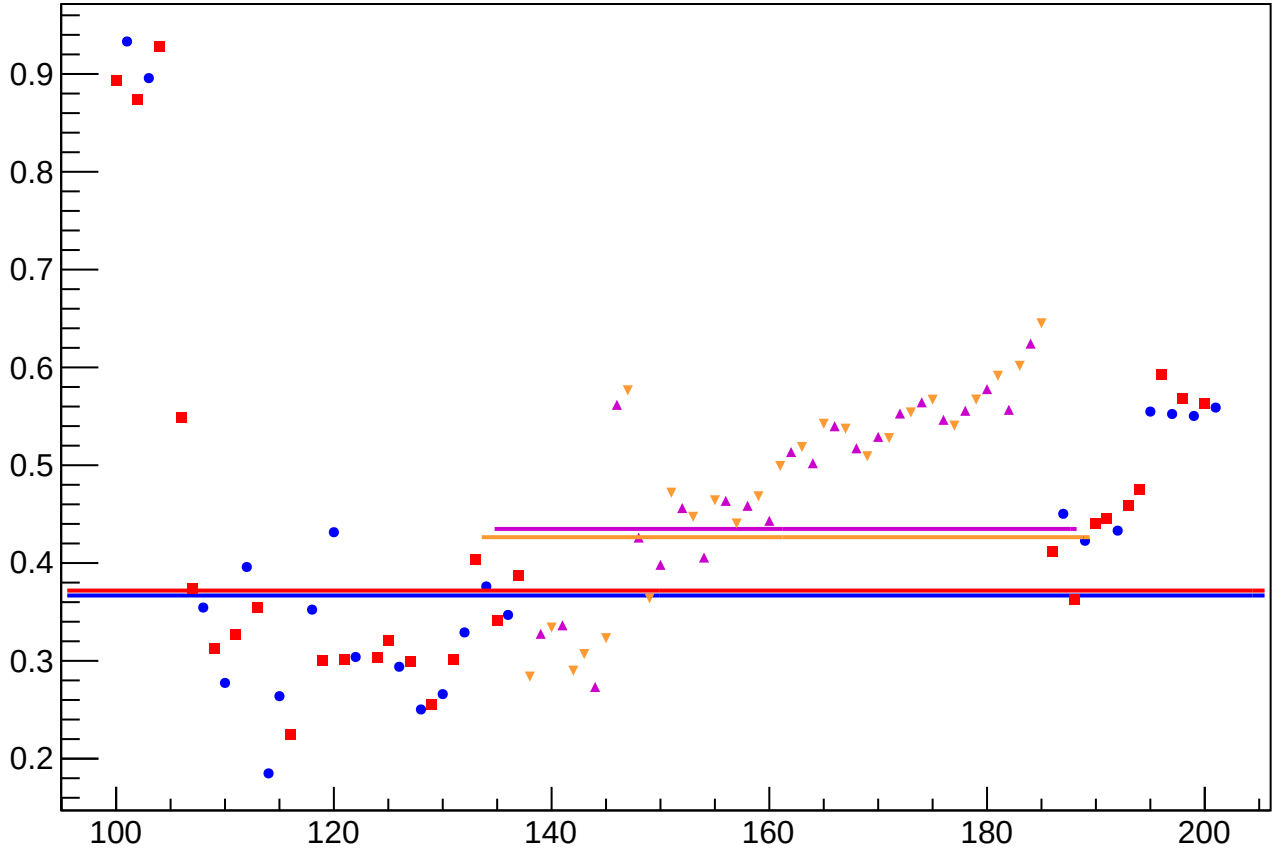
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.274+/-0.000 χ^2/NDF: 4339510798.1/47

All: 145.619+/-0.000 χ^2/NDF: 13498213477.

- sign 144.963+/-0.000 χ^2/NDF: 9010166283.2/50

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

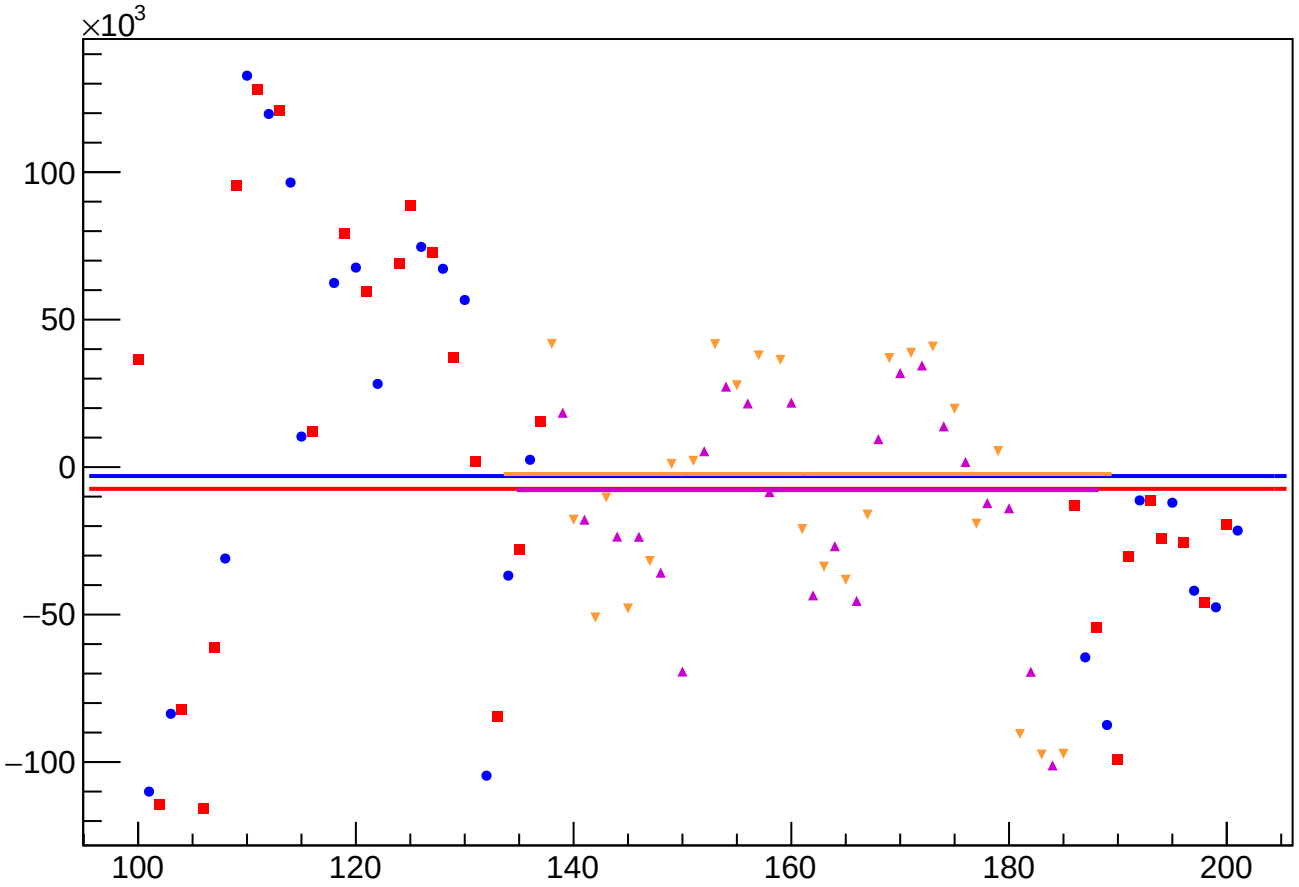
Right Out: 0.372+/-0.000 χ^2/NDF: 2295011.6/27

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.400+/-0.000 χ^2/NDF: 4983816.5/47

All: 0.402+/-0.000 χ^2/NDF: 9399392.1/98

- sign 0.404+/-0.000 χ^2/NDF: 4412578.9/50



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: -7366.175+/-1.435 χ^2/NDF: 2227296742.8/27

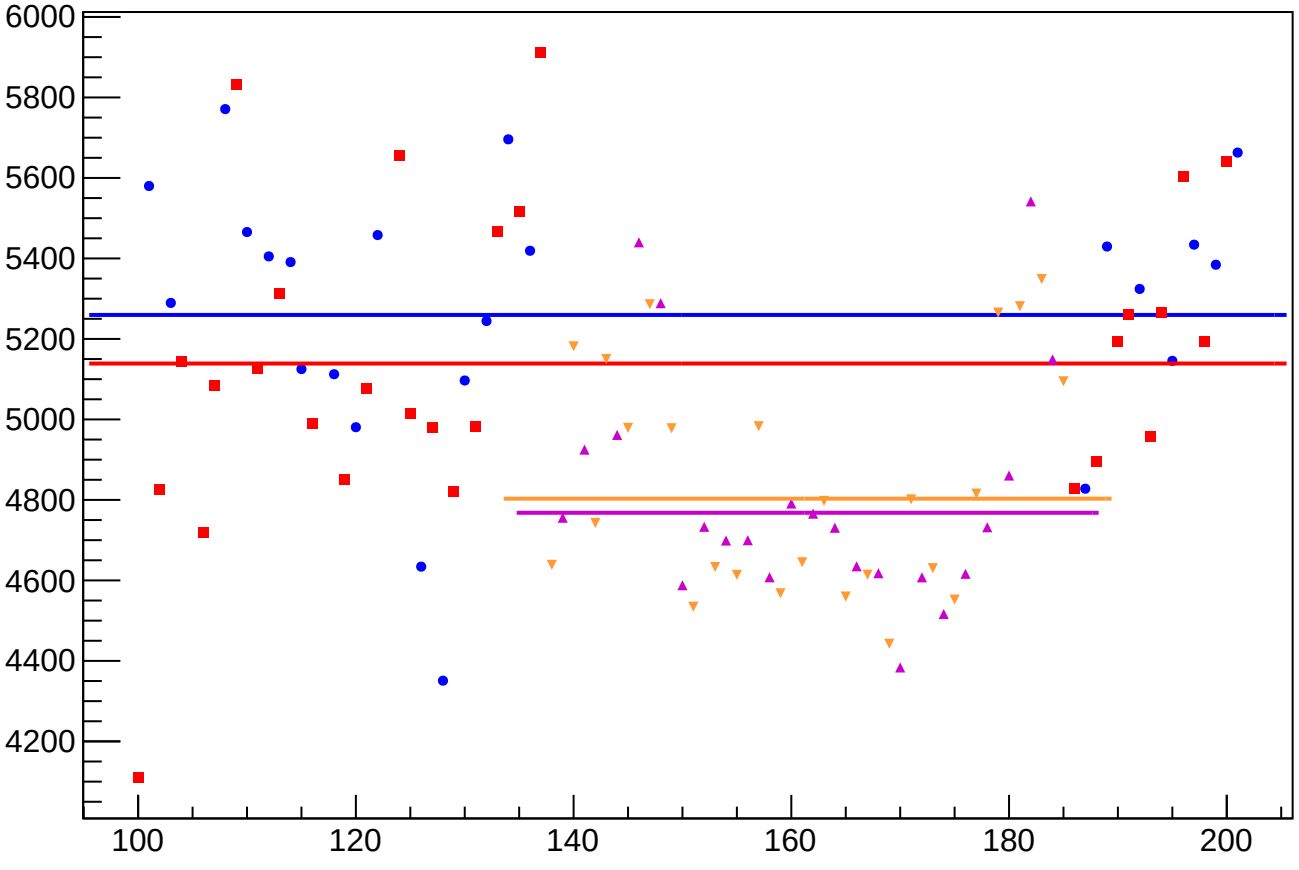
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -2581.368+/-0.910 χ^2/NDF: 2990931395.6/4

All: -5145.328+/-0.638 χ^2/NDF: 5996388529

- sign -7623.853+/-0.895 χ^2/NDF: 2989846135.3/50

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

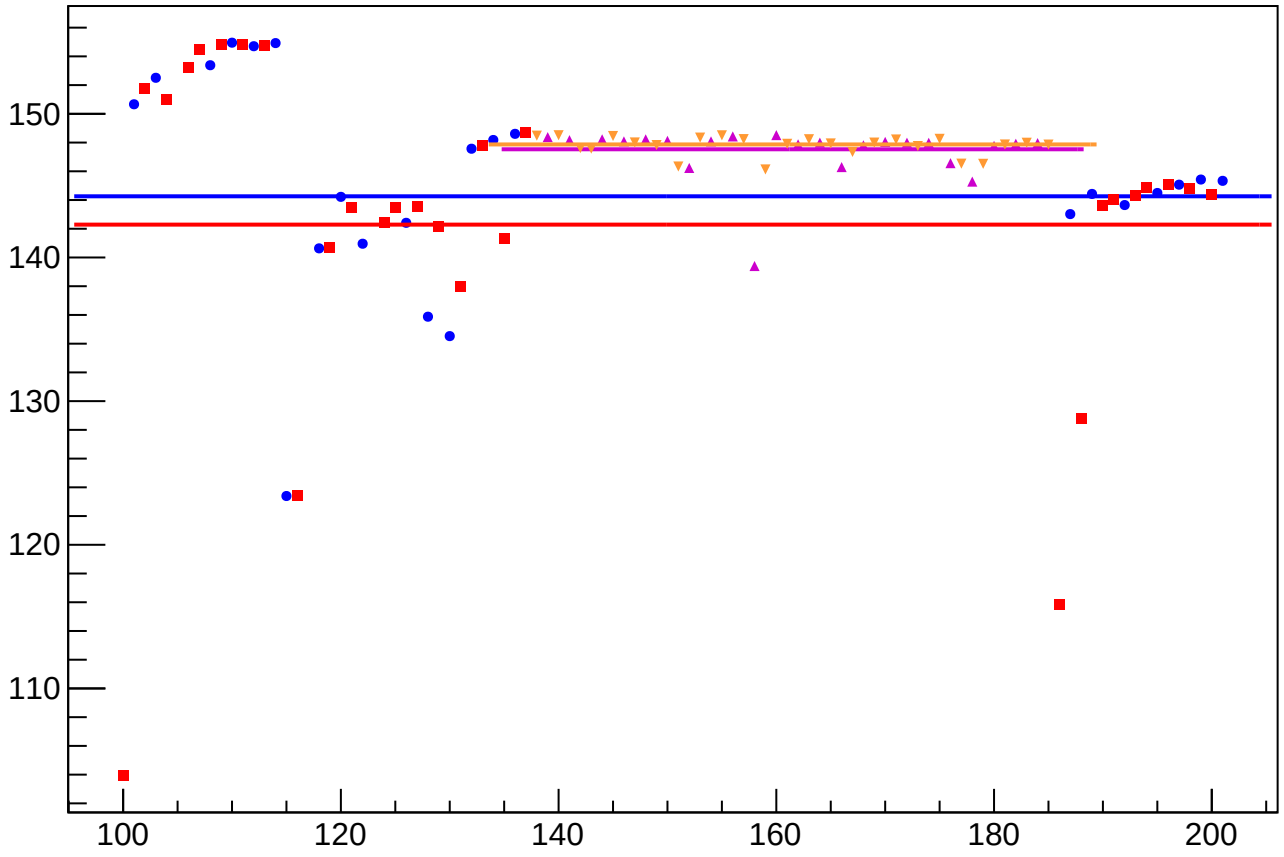
Right Out: 5138.890+/-1.015 χ^2/NDF: 95057.1/27

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4959.990+/-0.643 χ^2/NDF: 322419.4/47

All: 4935.719+/-0.451 χ^2/NDF: 604272.3/98

- sign 4912.257+/-0.633 χ^2/NDF: 279055.2/50



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: 142.288+/-0.000 χ^2/NDF: 7479542086.2/27

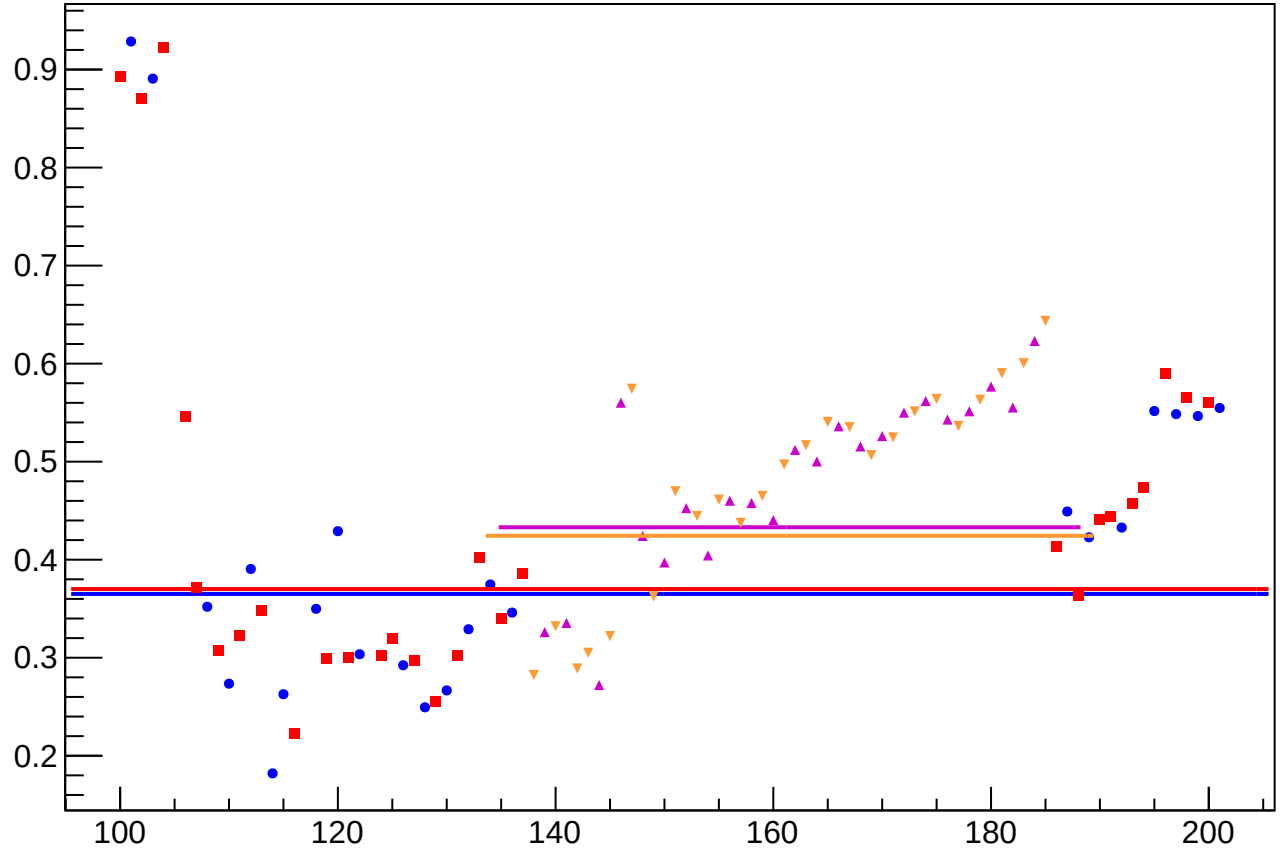
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.284+/-0.000 χ^2/NDF: 4382429197.3/47

All: 145.640+/-0.000 χ^2/NDF: 13510633643.

- sign 144.995+/-0.000 χ^2/NDF: 8983253978.3/50

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

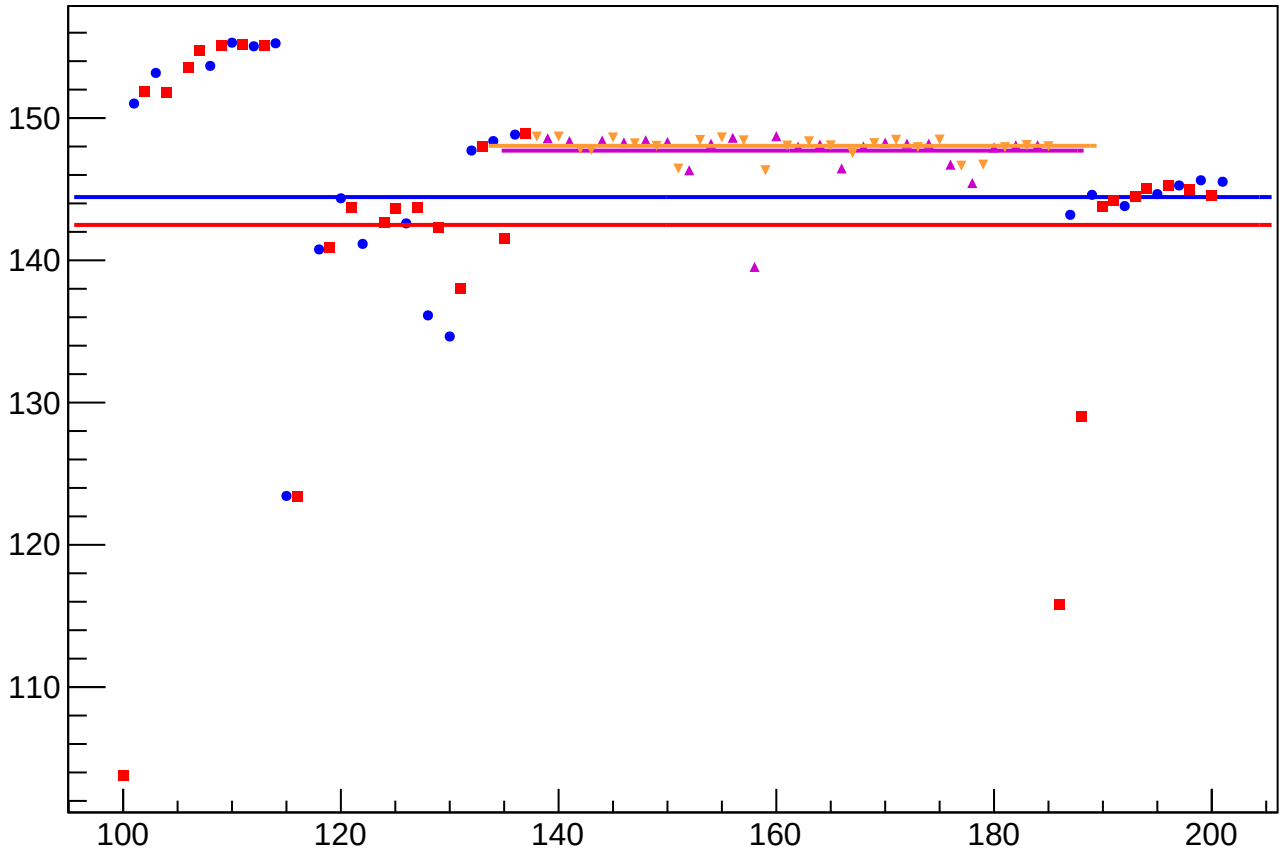
Right Out: 0.370+/-0.000 χ^2/NDF: 2301853.2/27

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.398+/-0.000 χ^2/NDF: 4982980.9/47

All: 0.400+/-0.000 χ^2/NDF: 9404313.3/98

- sign 0.403+/-0.000 χ^2/NDF: 4418165.0/50



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: 142.488+/-0.000 χ^2/NDF: 7414844124.2/27

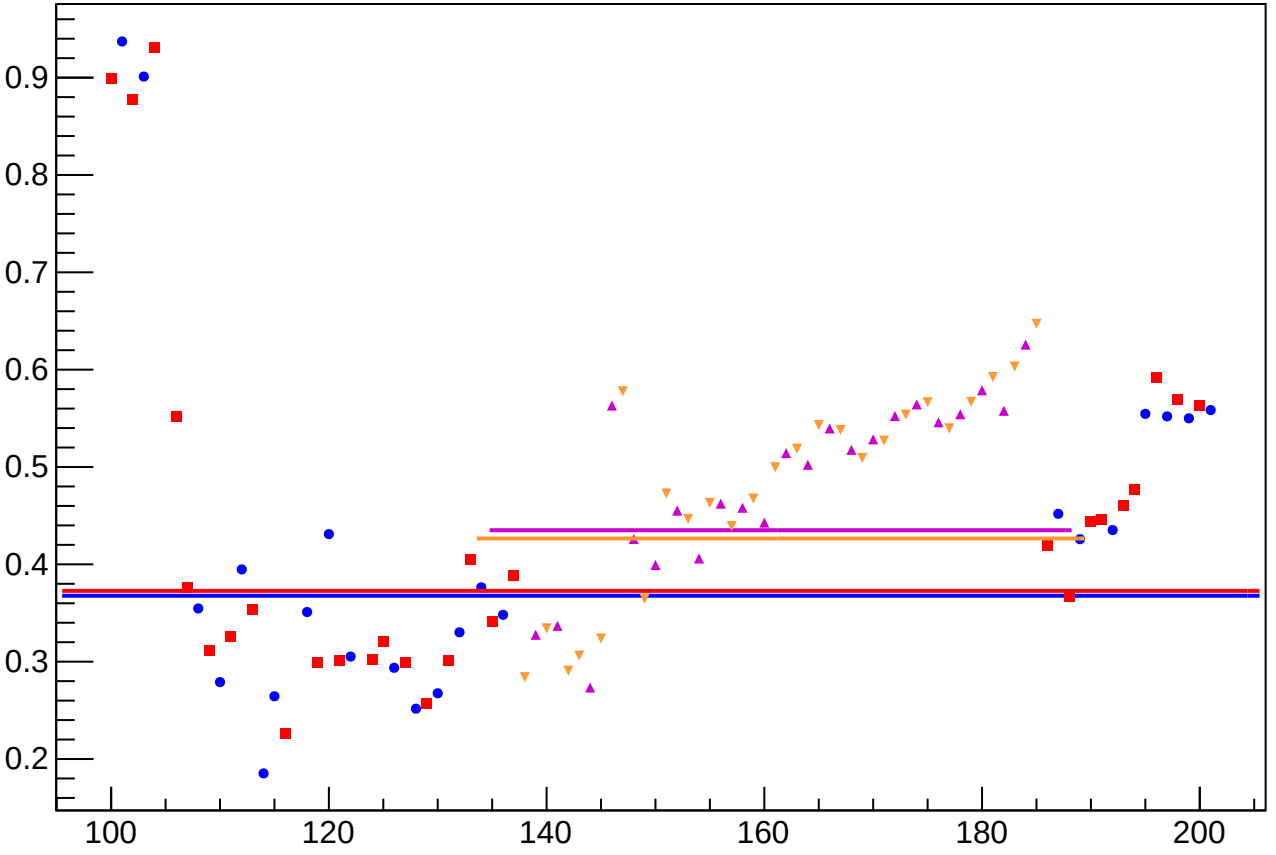
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.470+/-0.000 χ^2/NDF: 4367725015.2/47

All: 145.831+/-0.000 χ^2/NDF: 13407999934.

- sign 145.191+/-0.000 χ^2/NDF: 8899220963.2/50

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: 0.373+/-0.000 χ^2/NDF: 2298997.4/27

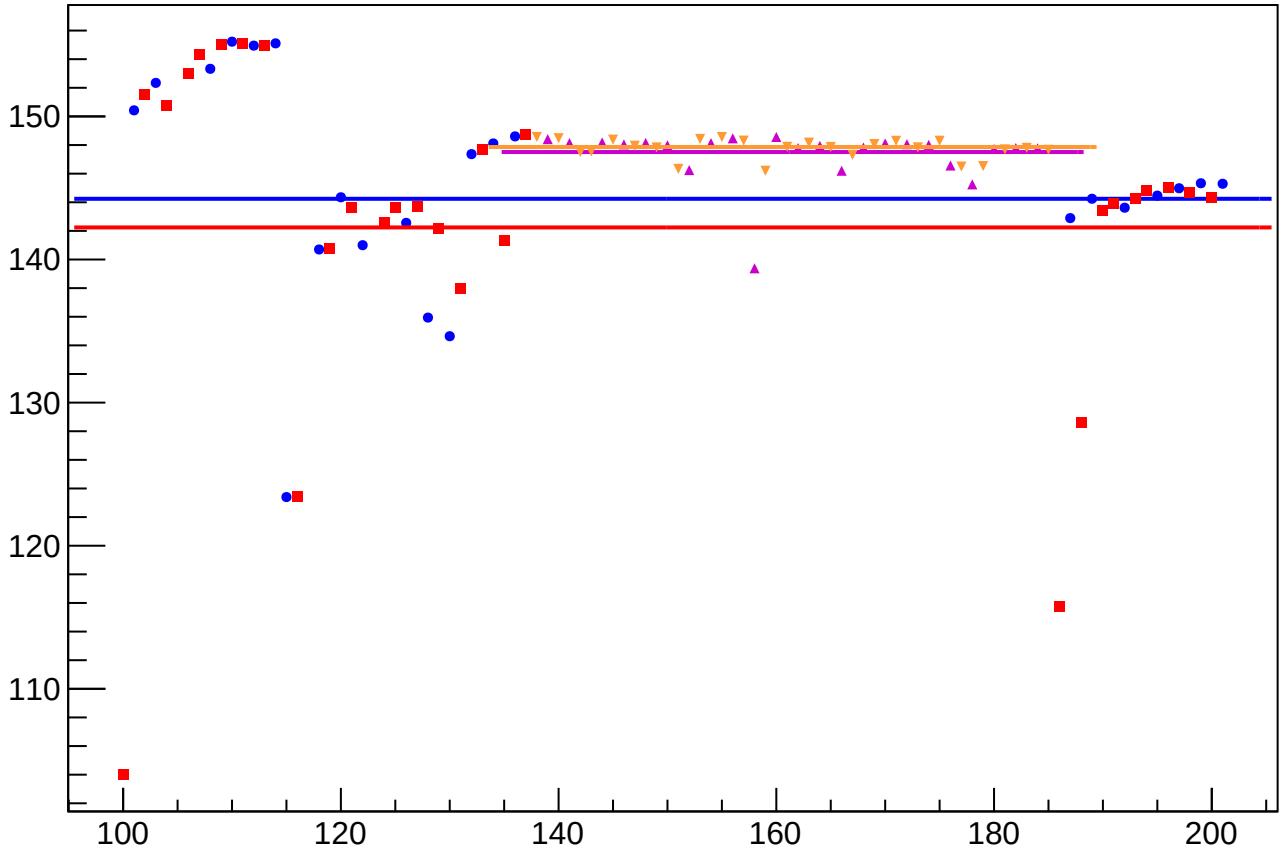
Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.401+/-0.000 χ^2/NDF: 4962650.9/47

All: 0.403+/-0.000 χ^2/NDF: 9368281.4/98

- sign 0.405+/-0.000 χ^2/NDF: 4402566.0/50

yield_bcm_an_us_mean vs Slug



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: 142.242+/-0.000 χ^2/NDF: 7506181618.7/27

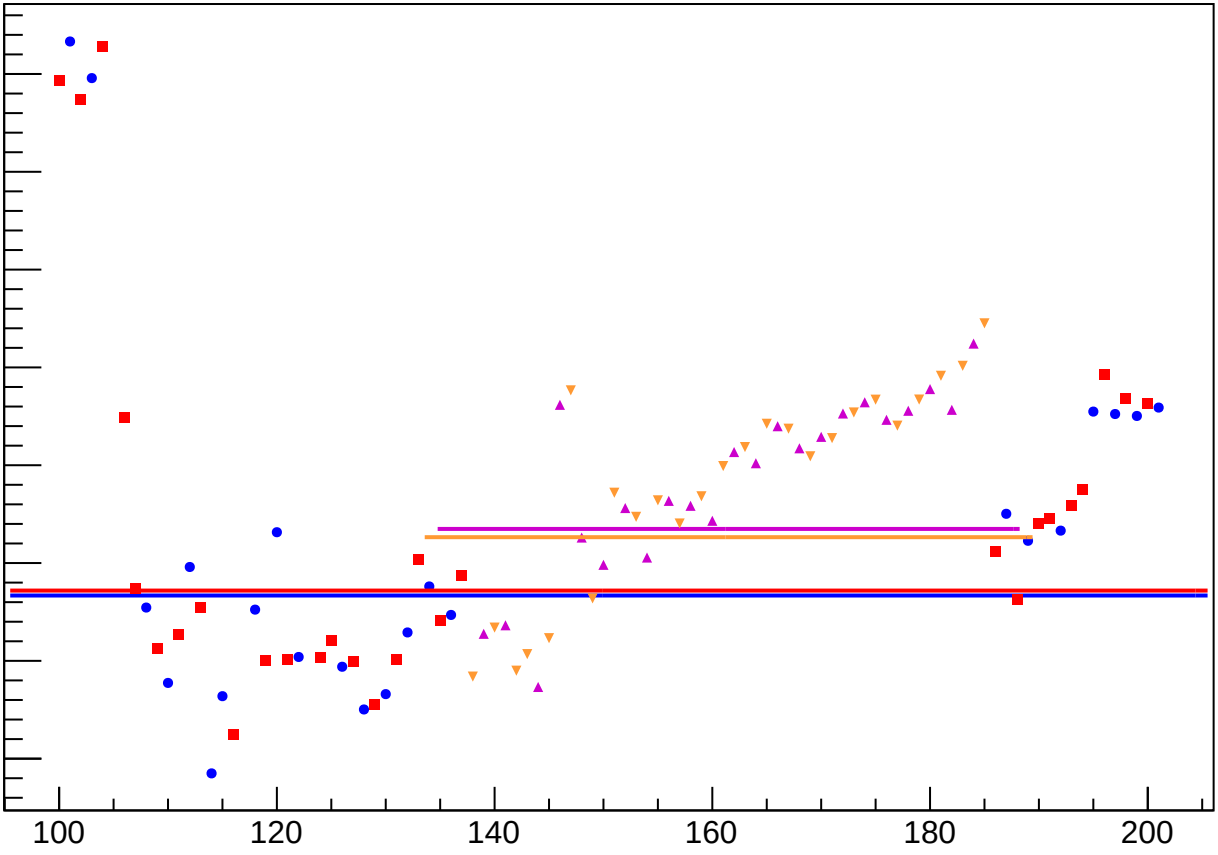
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.274+/-0.000 χ^2/NDF: 4339510798.1/47

All: 145.619+/-0.000 χ^2/NDF: 13498213477.

- sign 144.963+/-0.000 χ^2/NDF: 9010166283.2/50

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

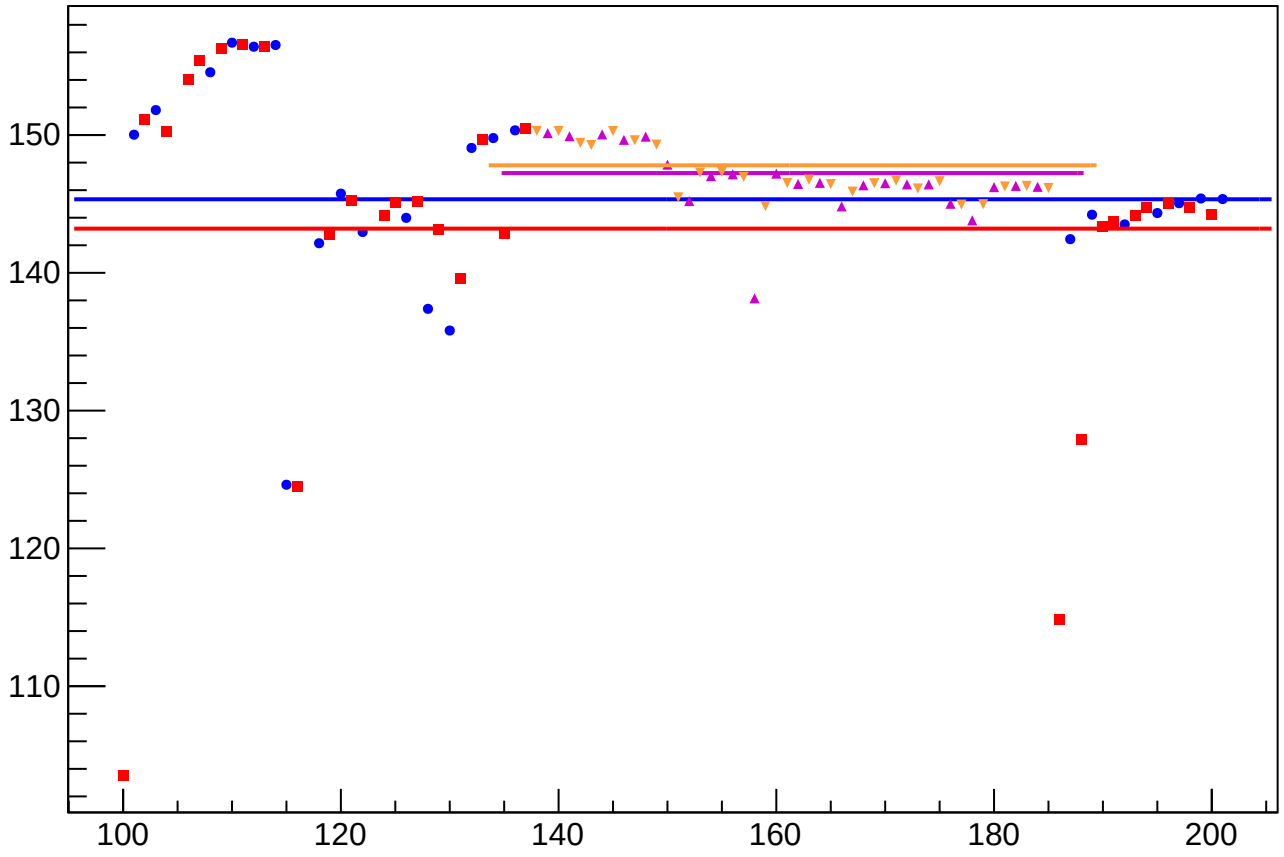
Right Out: 0.372+/-0.000 χ^2/NDF: 2295011.6/27

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.400+/-0.000 χ^2/NDF: 4983816.5/47

All: 0.402+/-0.000 χ^2/NDF: 9399392.1/98

- sign 0.404+/-0.000 χ^2/NDF: 4412578.9/50



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: 143.208+/-0.000 χ^2/NDF: 7599470517.2/27

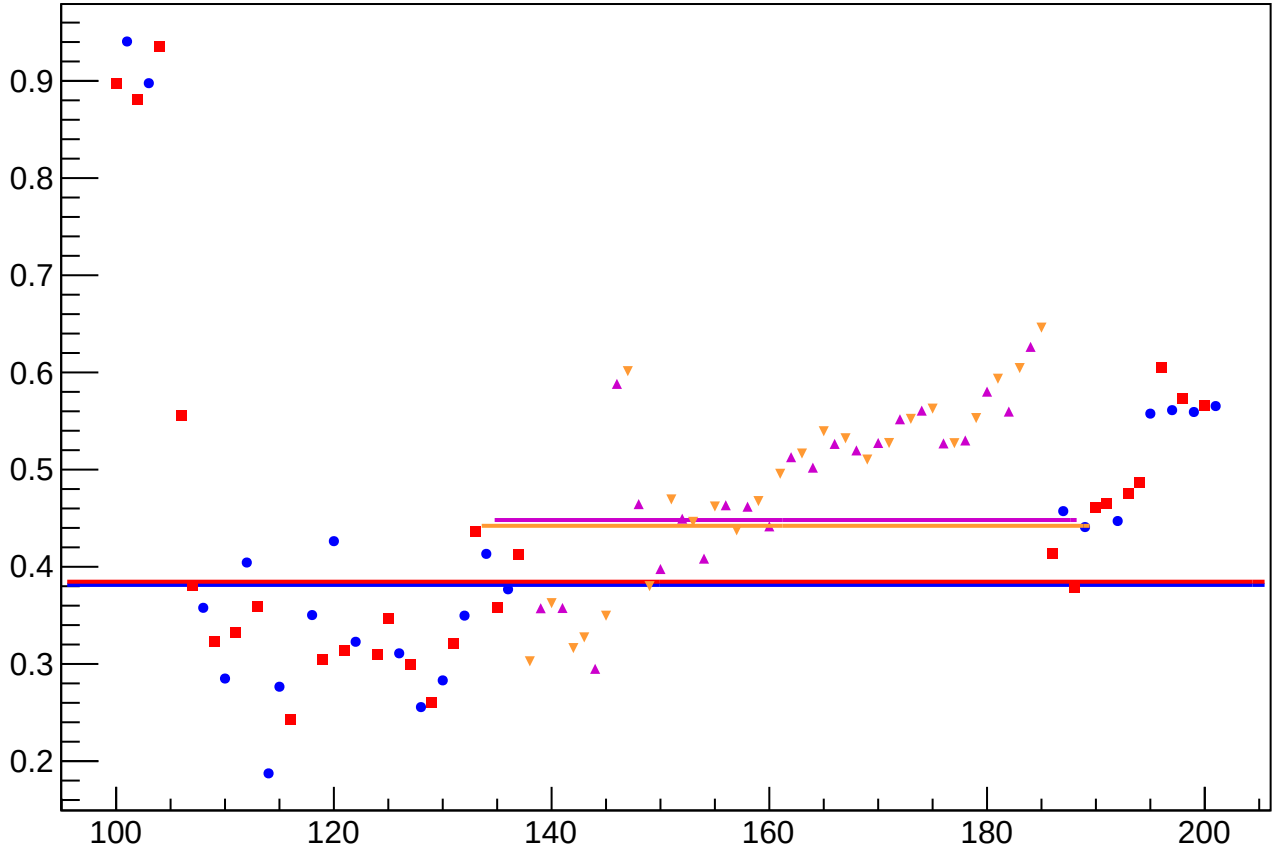
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.731+/-0.000 χ^2/NDF: 4084115958.2/47

All: 146.018+/-0.000 χ^2/NDF: 13128598210.

- sign 145.310+/-0.000 χ^2/NDF: 8880347100.3/50

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: 0.385+/-0.000 χ^2/NDF: 2201009.8/27

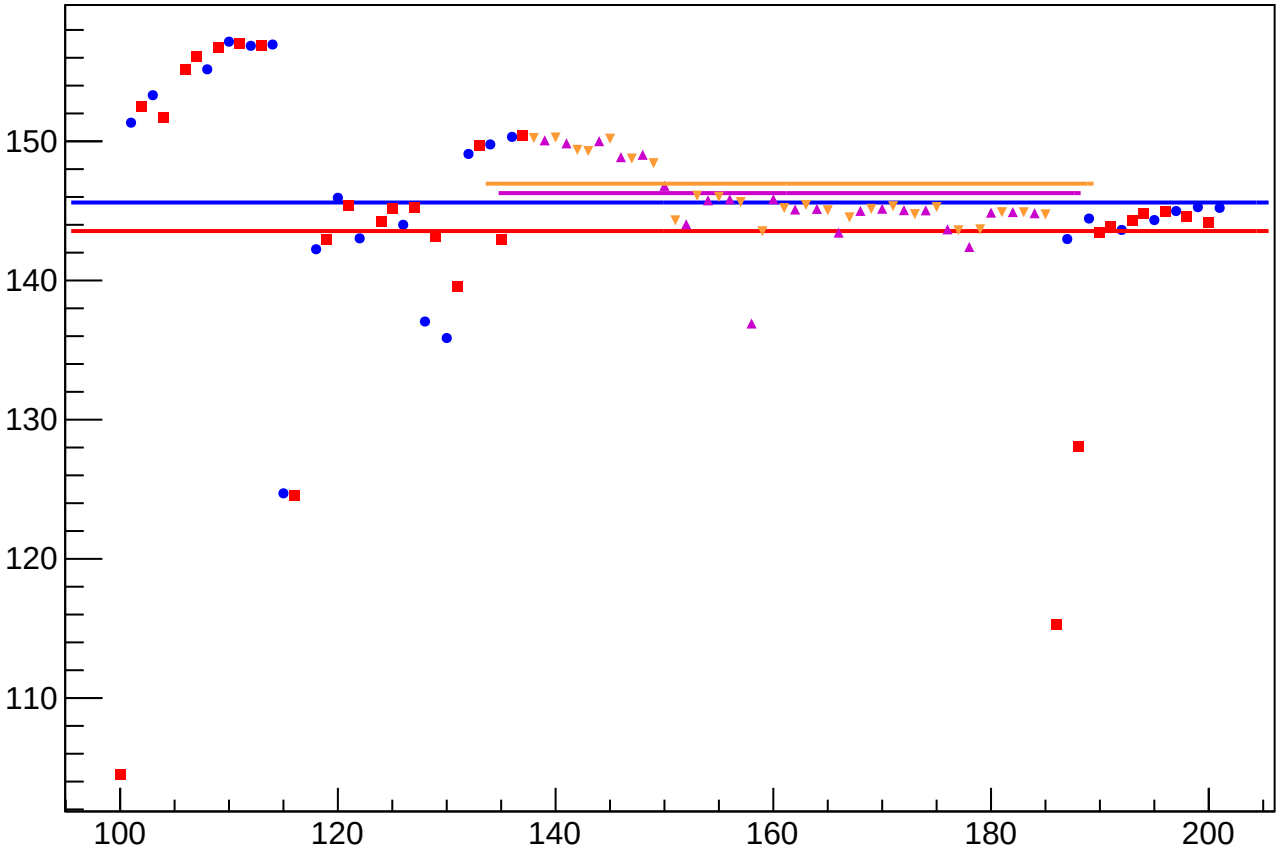
Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.416+/-0.000 χ^2/NDF: 4300750.0/47

All: 0.417+/-0.000 χ^2/NDF: 8178371.0/98

- sign 0.418+/-0.000 χ^2/NDF: 3876937.9/50

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: 143.552+/-0.000 χ^2/NDF: 7667962009.5/27

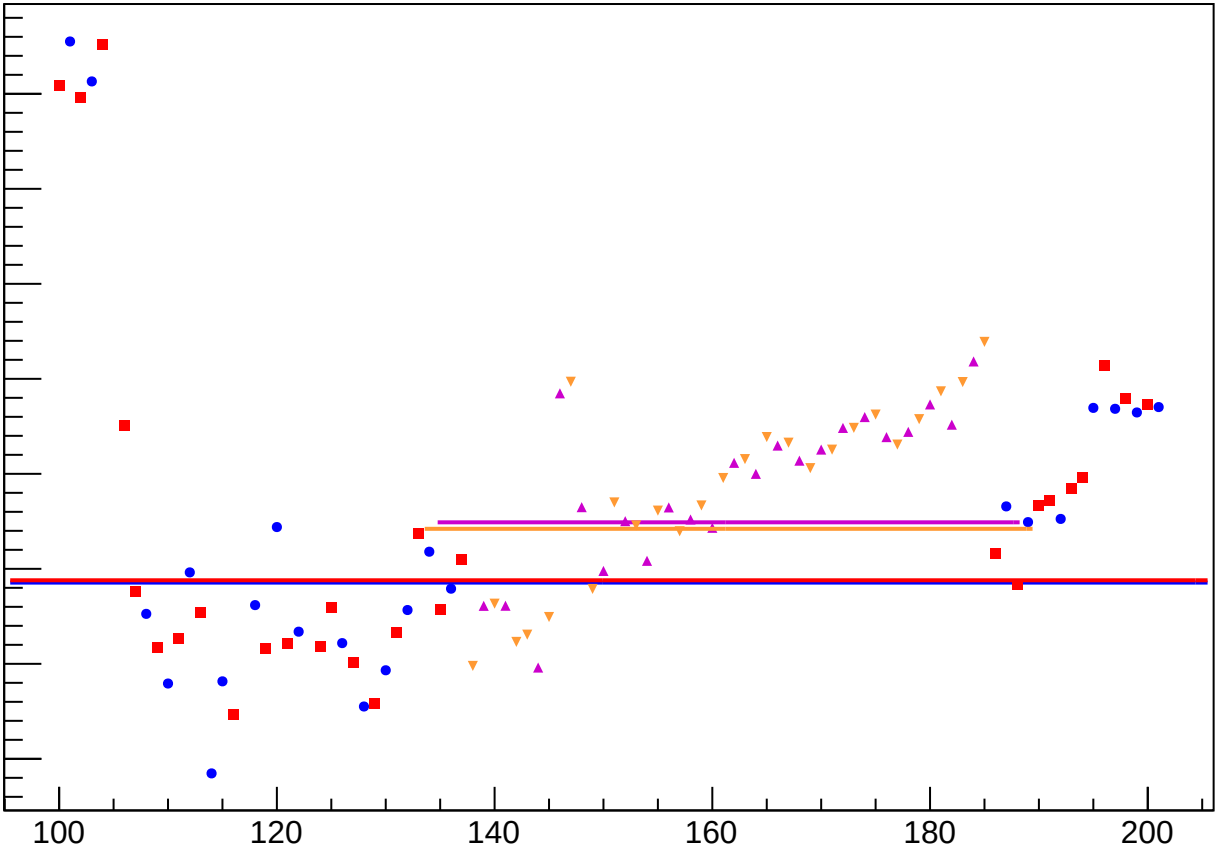
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.375+/-0.000 χ^2/NDF: 4275754123.0/47

All: 145.677+/-0.000 χ^2/NDF: 13223362818.

- sign 144.984+/-0.000 χ^2/NDF: 8792150988.3/50

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: 0.388+/-0.000 χ^2/NDF: 2221290.4/27

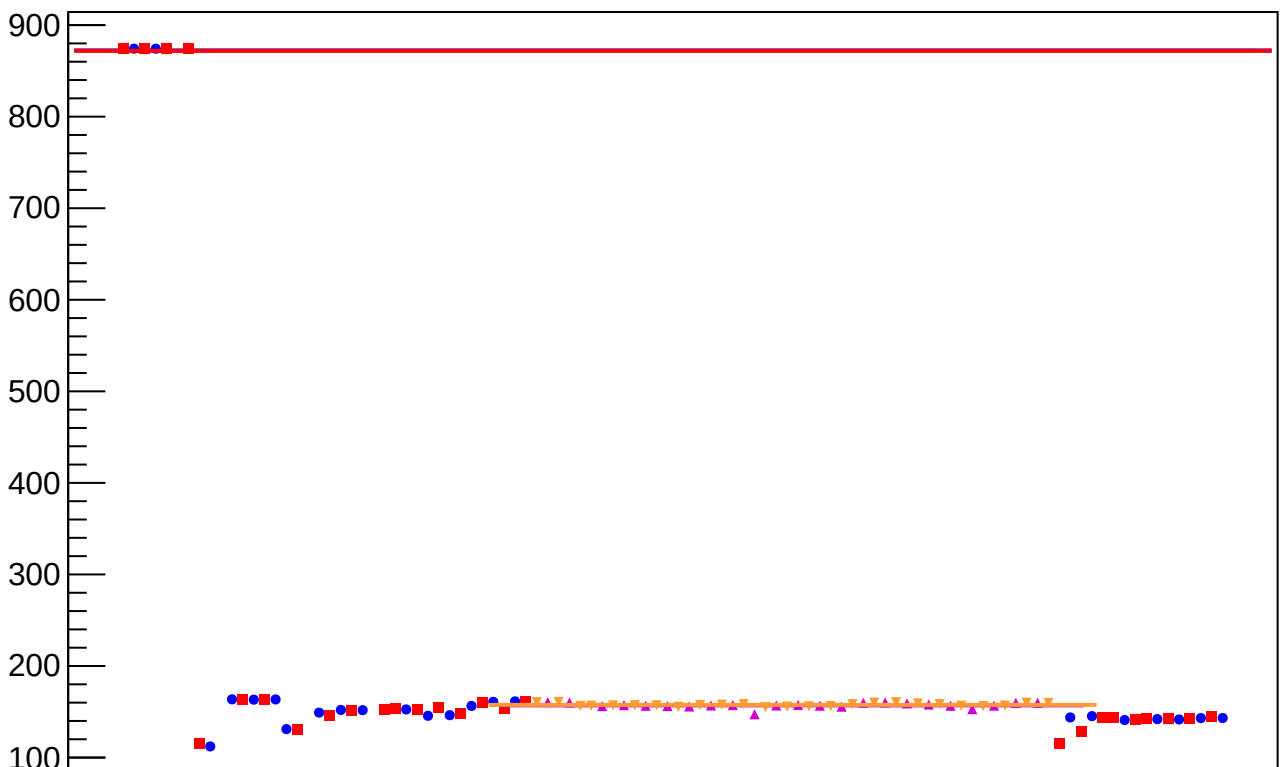
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.418+/-0.000 χ^2/NDF: 4263358.4/47

All: 0.419+/-0.000 χ^2/NDF: 8085534.8/98

- sign 0.420+/-0.000 χ^2/NDF: 3821412.5/50

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: 871.929+/-0.000 χ^2/NDF: 13679440318054.3/27

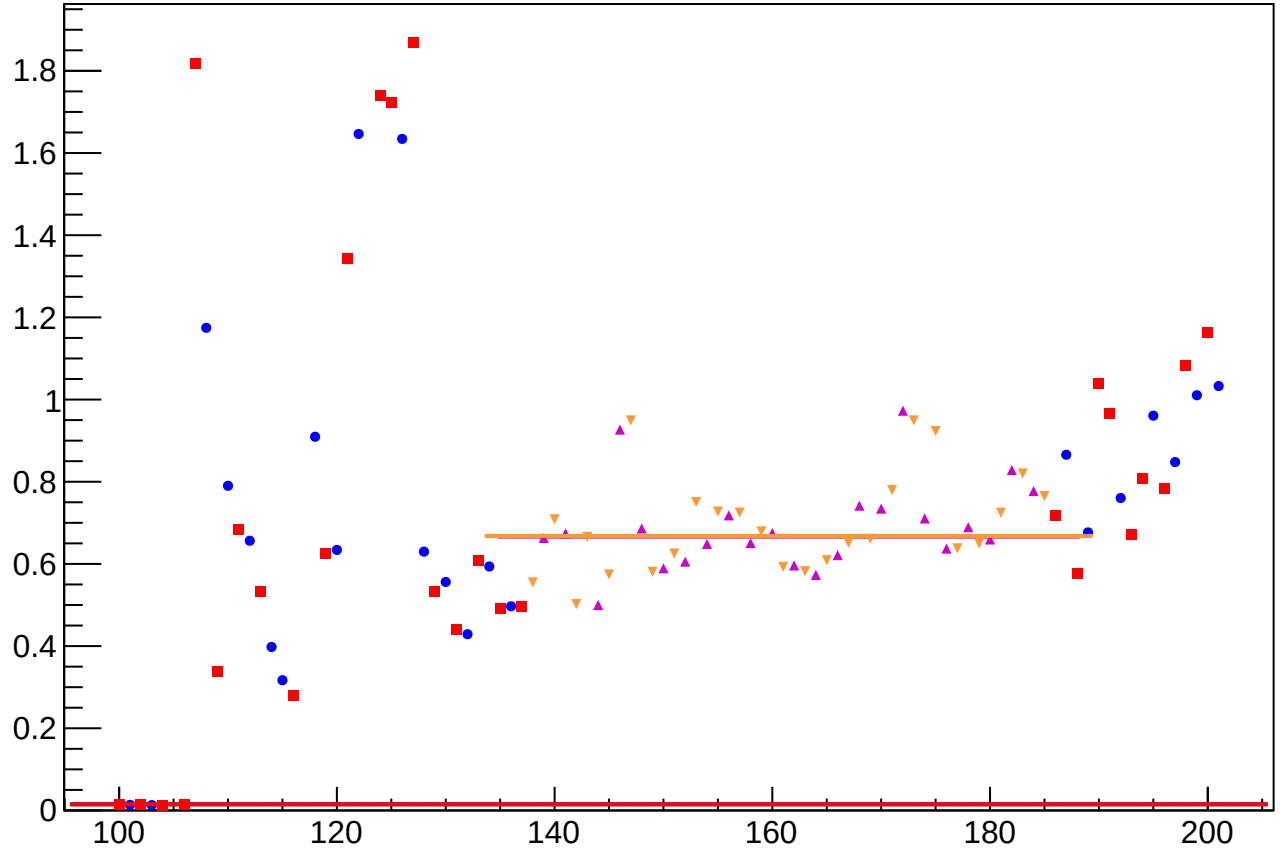
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 868.909+/-0.000 χ^2/NDF: 27186960275248.

All: 869.022+/-0.000 χ^2/NDF: 57366017917

- sign 869.121+/-0.000 χ^2/NDF: 30178886258687.

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: 19182921.5/27

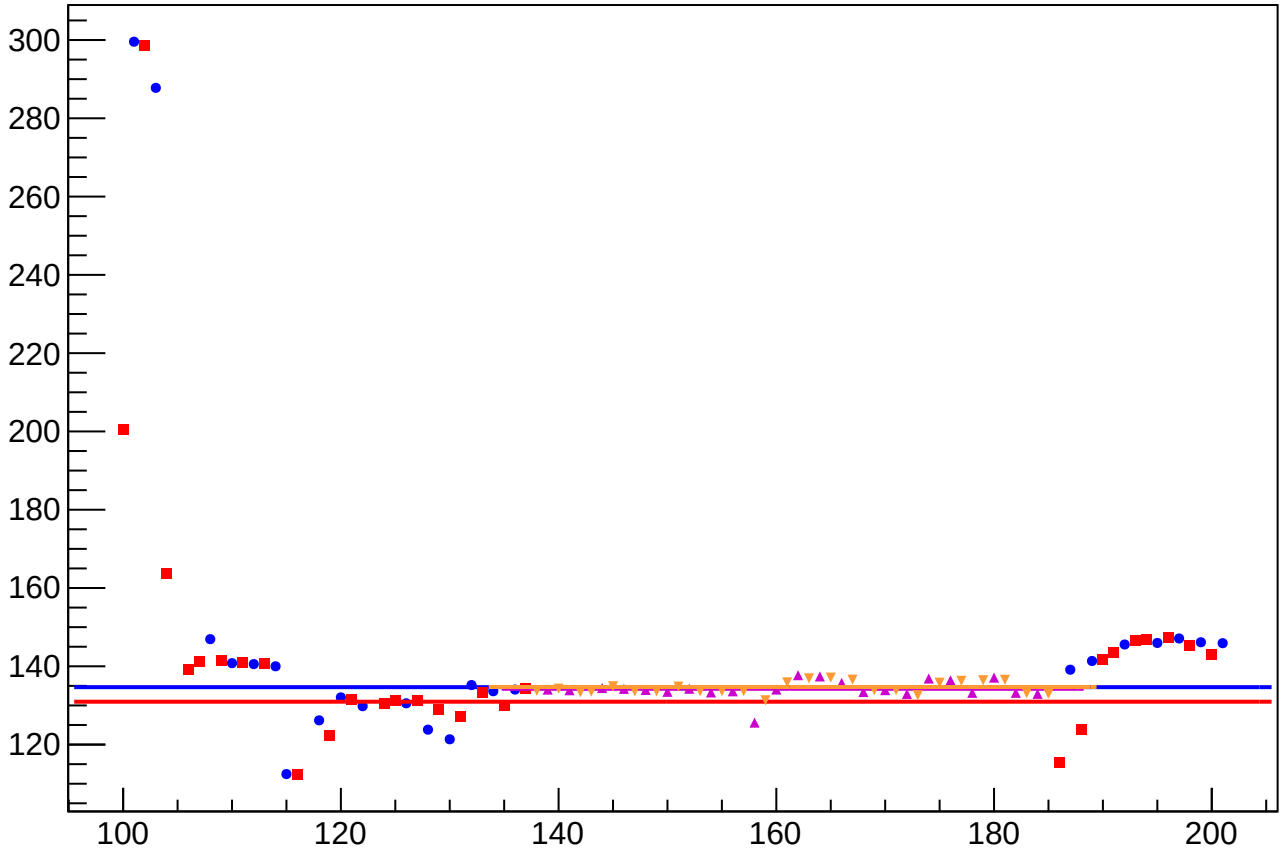
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 46626861.4/47

All: 0.018+/-0.000 χ^2/NDF: 93749177.6/98

- sign 0.018+/-0.000 χ^2/NDF: 47120156.9/50

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: 130.954+/-0.000 χ^2/NDF: 4229502830.5/27

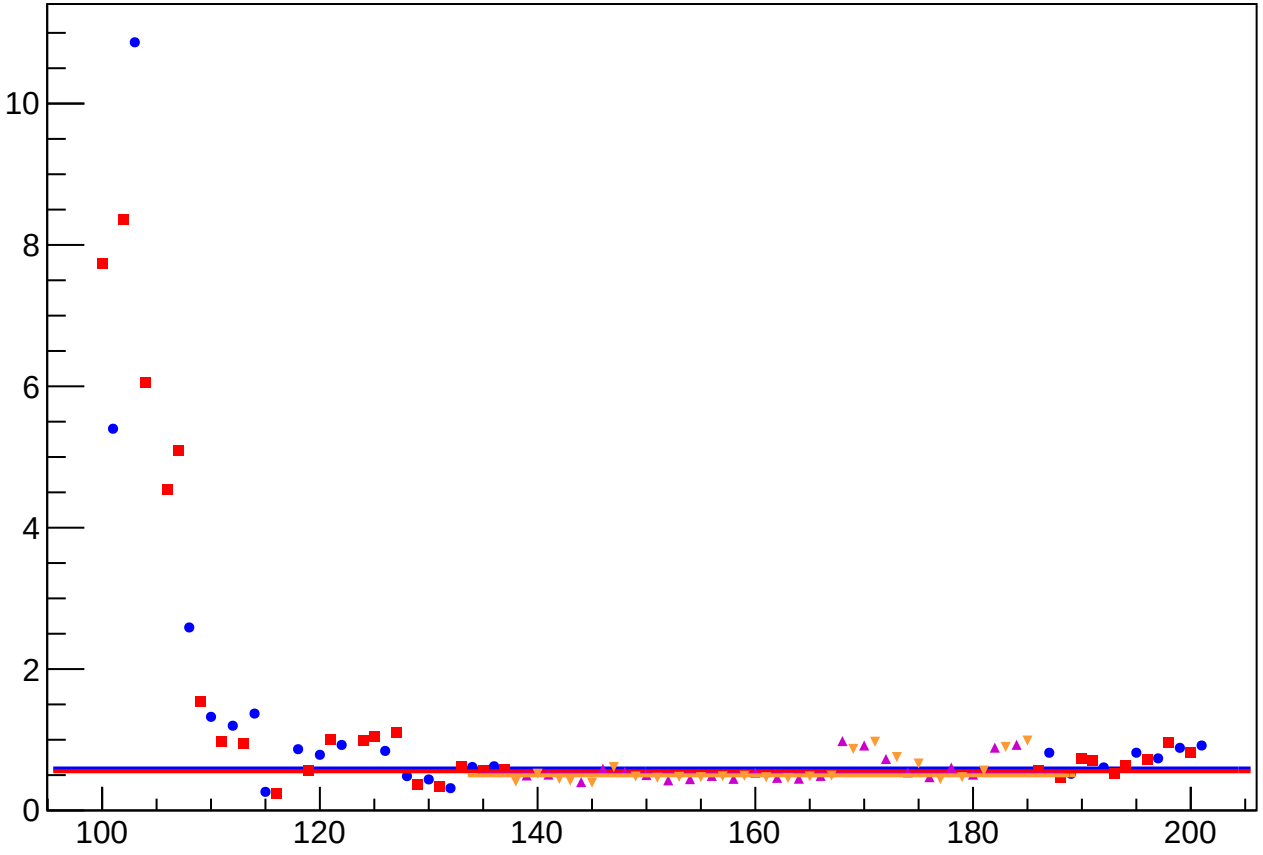
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 134.703+/-0.000 χ^2/NDF: 3148486148.7/47

All: 133.967+/-0.000 χ^2/NDF: 8118716431.3

- sign 133.228+/-0.000 χ^2/NDF: 4874648377.4/50

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: 0.554+/-0.000 χ^2/NDF: 5599032.3/27

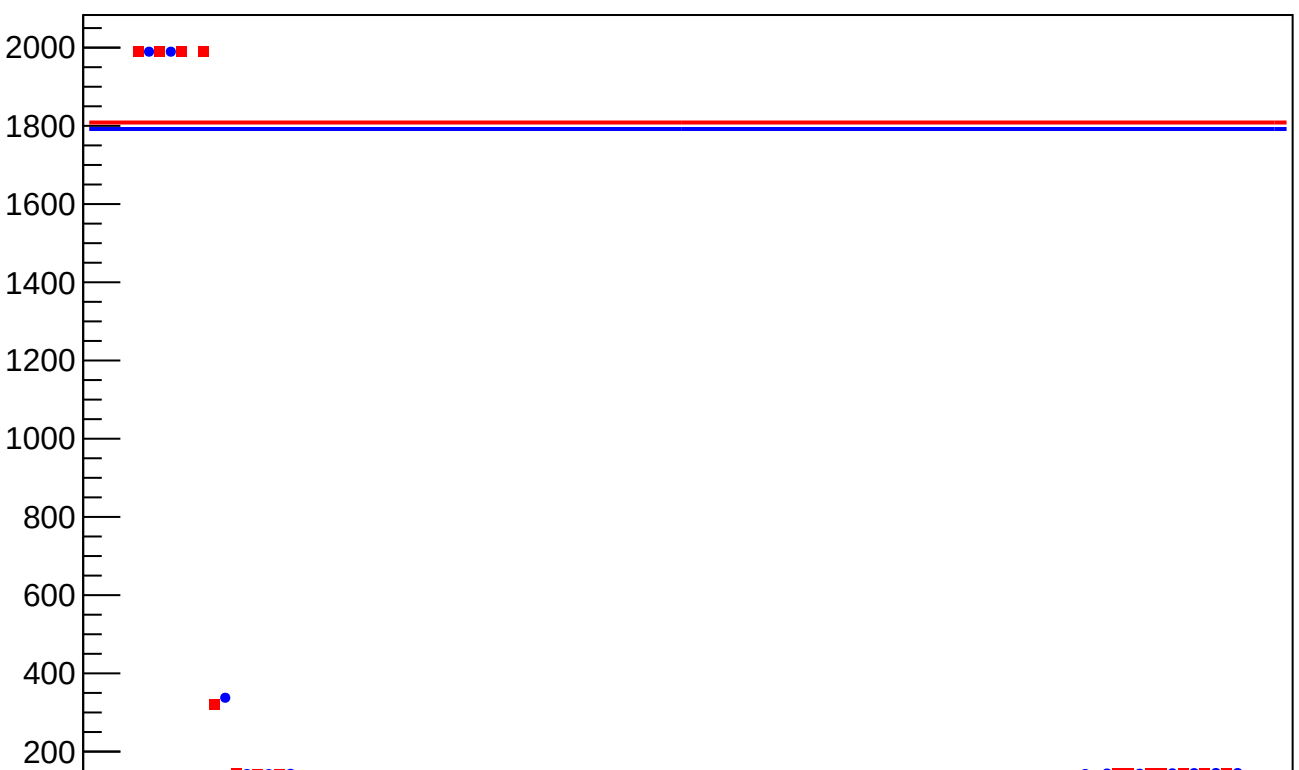
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.520+/-0.000 χ^2/NDF: 6677893.0/47

All: 0.522+/-0.000 χ^2/NDF: 13838031.0/98

- sign 0.523+/-0.000 χ^2/NDF: 7159173.3/50

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: 1808.547+/-0.000 χ^2/NDF: 208833838392874.9/27

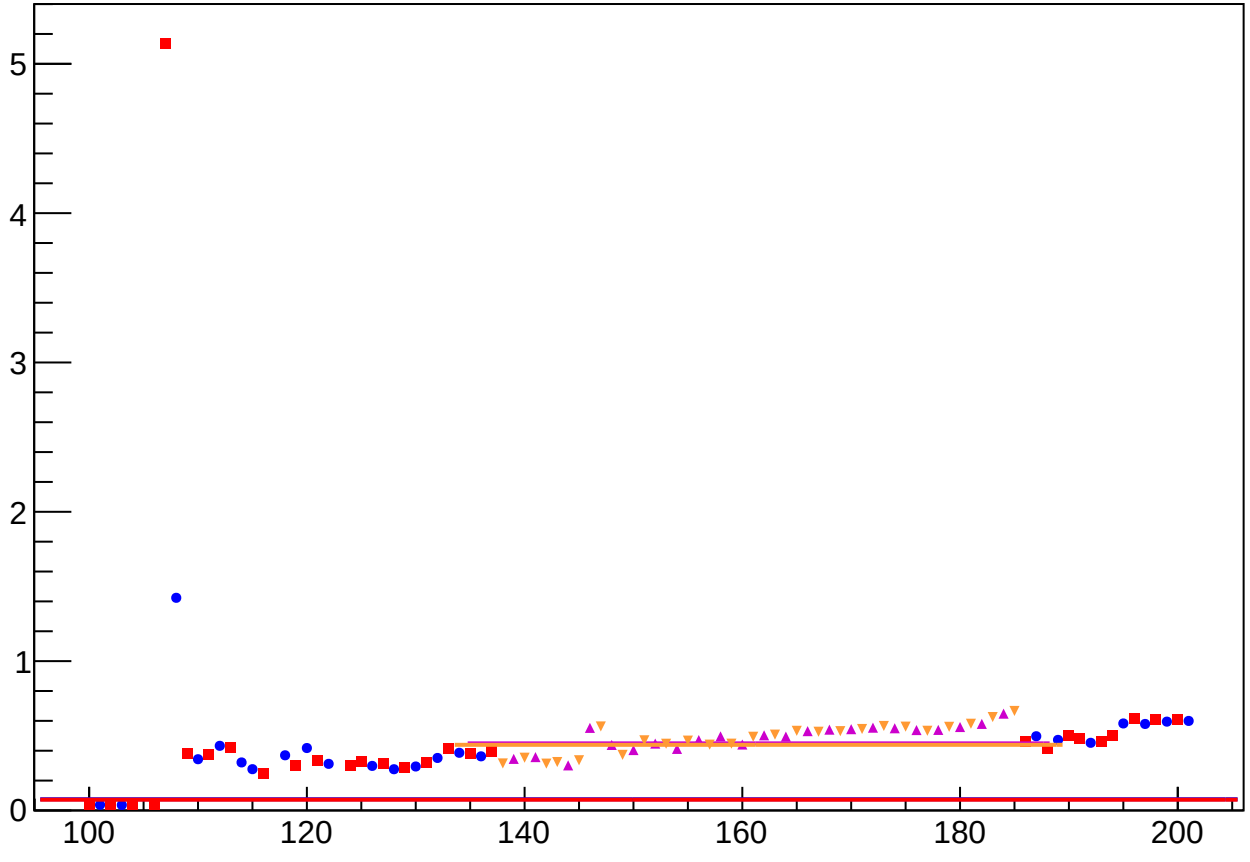
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1565.988+/-0.000 χ^2/NDF: 41156105827203

All: 1597.510+/-0.000 χ^2/NDF: 8327215731

- sign 1625.203+/-0.000 χ^2/NDF: 41989174839035

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

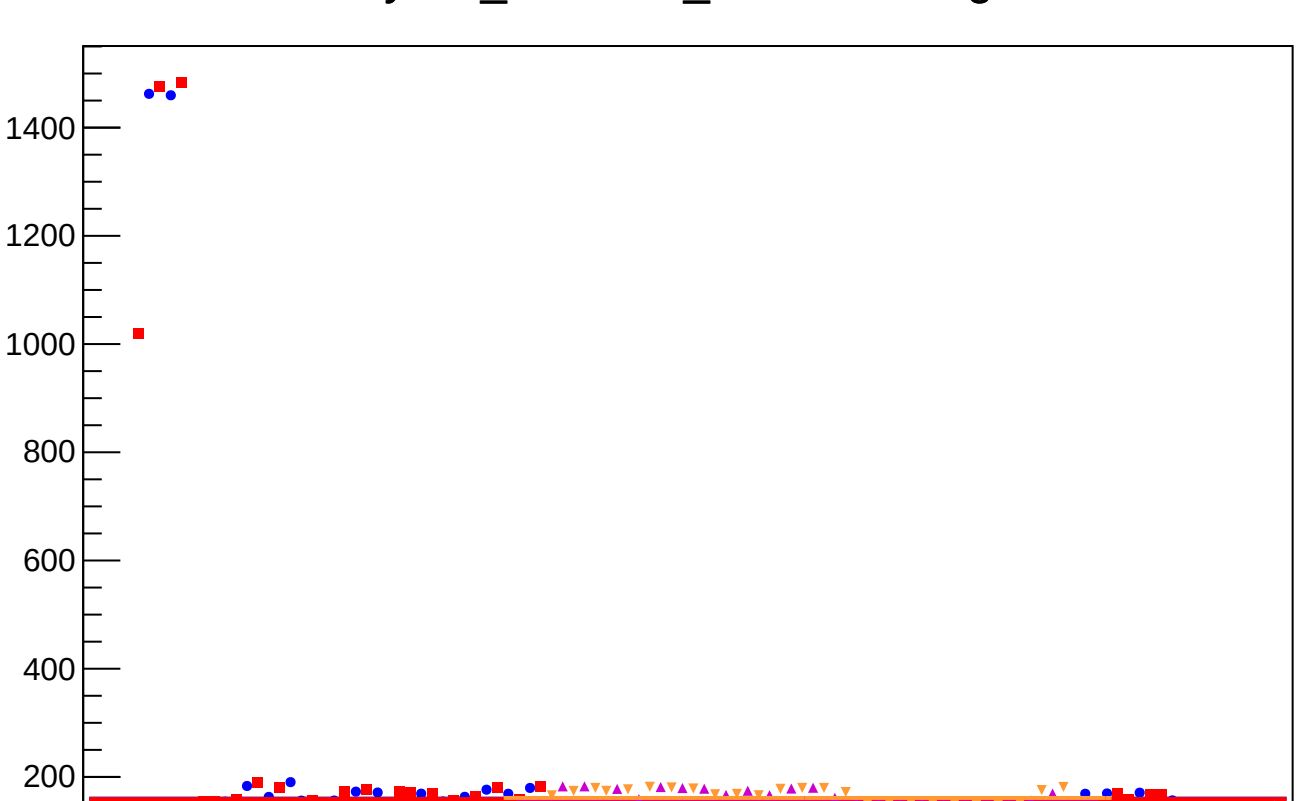
Right Out: 0.072+/-0.000 χ^2/NDF: 16804221.4/27

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.125+/-0.000 χ^2/NDF: 38524880.0/47

All: 0.119+/-0.000 χ^2/NDF: 78261920.9/98

- sign 0.113+/-0.000 χ^2/NDF: 39643545.3/50



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: 159.229+/-0.000 χ^2/NDF: 18044676264.6/27

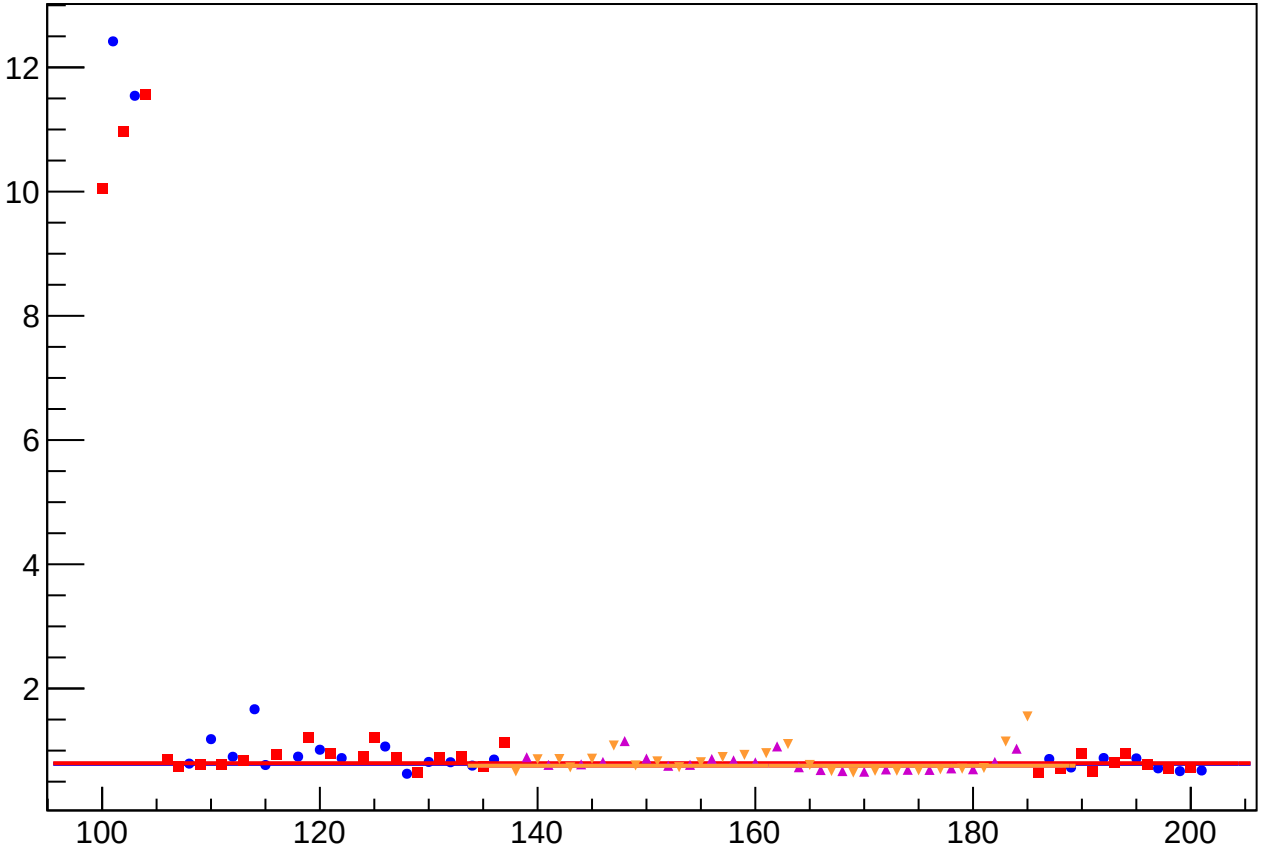
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 160.722+/-0.000 χ^2/NDF: 19486669400.2/47

All: 160.255+/-0.000 χ^2/NDF: 41293595932.

- sign 159.792+/-0.000 χ^2/NDF: 21790518823.6/50

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

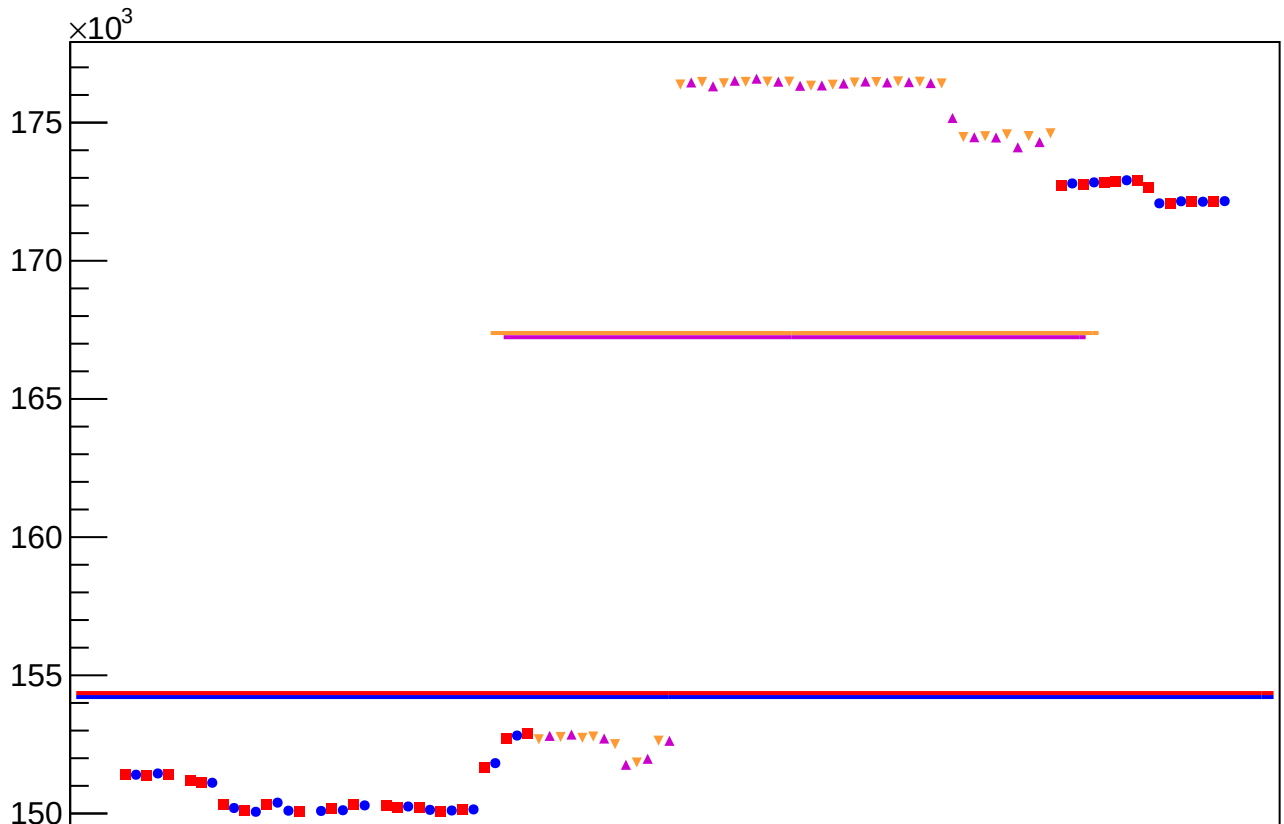
Right Out: 0.797+/-0.000 χ^2/NDF: 2424817.7/27

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: 6190918.5/98

- sign 0.771+/-0.000 χ^2/NDF: 2928401.4/50



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: 154357.866+/-0.046 χ^2/NDF: 32273038681.3/27

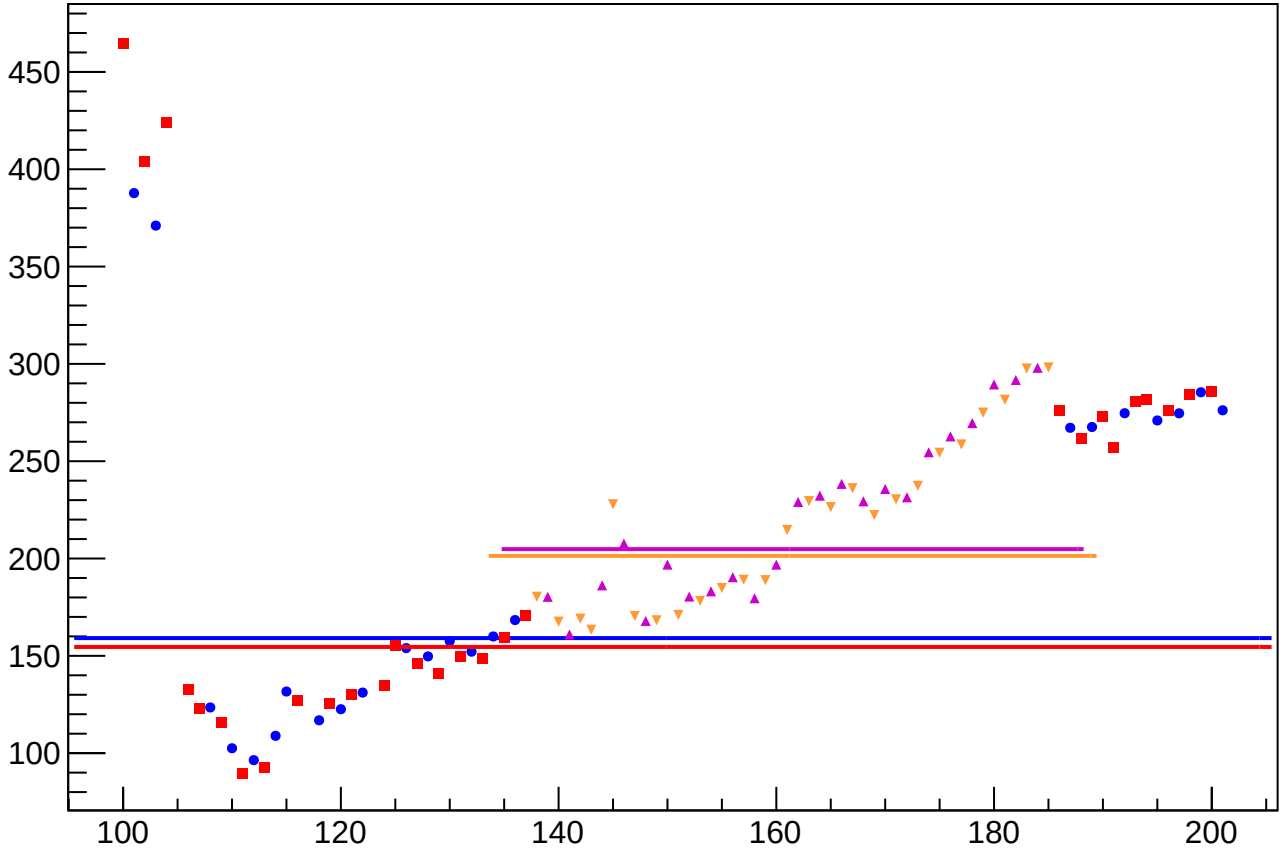
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161222.920+/-0.034 χ^2/NDF: 12367829972

All: 160835.114+/-0.024 χ^2/NDF: 2478416

- sign 160457.584+/-0.034 χ^2/NDF: 12390797043

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

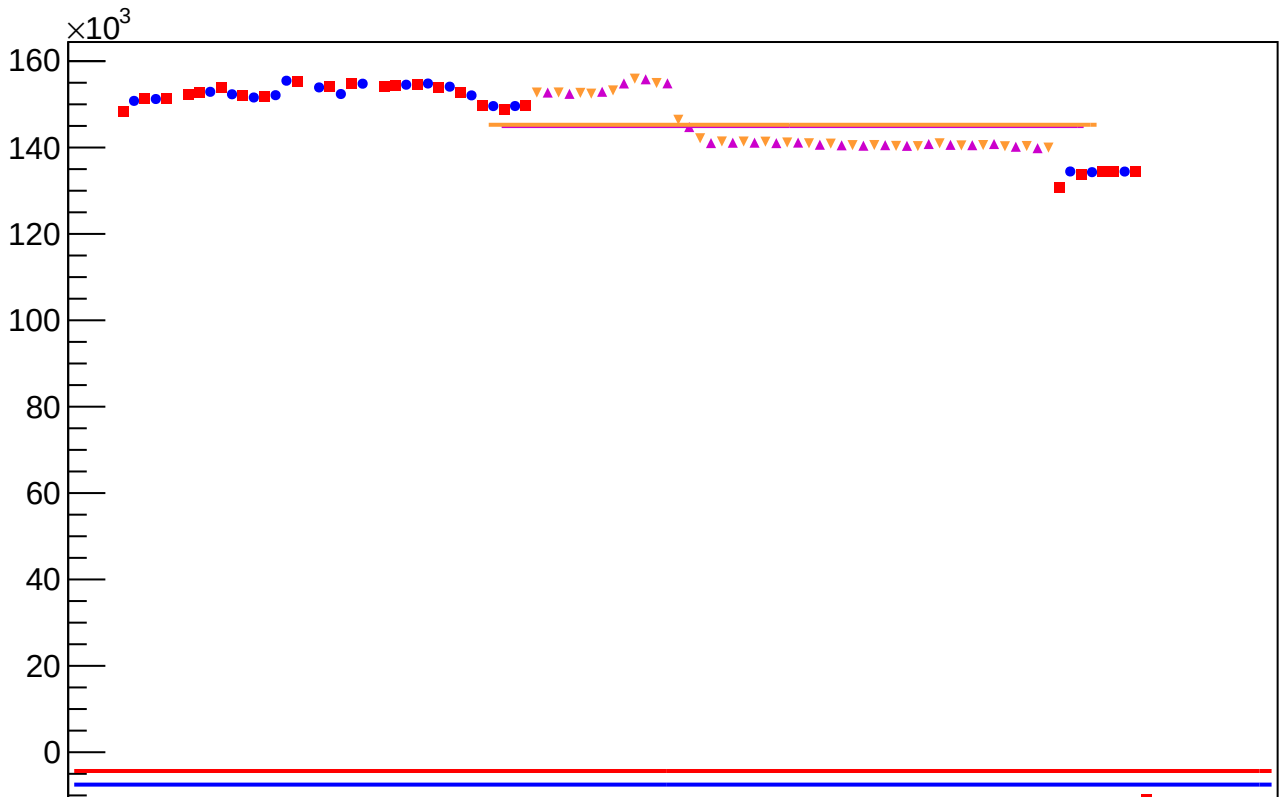
Right Out: 154.569+/-0.033 χ^2/NDF: 4507252.8/27

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 181.583+/-0.024 χ^2/NDF: 5579610.3/47

All: 179.958+/-0.017 χ^2/NDF: 12262117.6/98

- sign 178.376+/-0.024 χ^2/NDF: 6673541.1/50



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: -4344.444+/-0.014 χ^2/NDF: 6890591336208.2/27

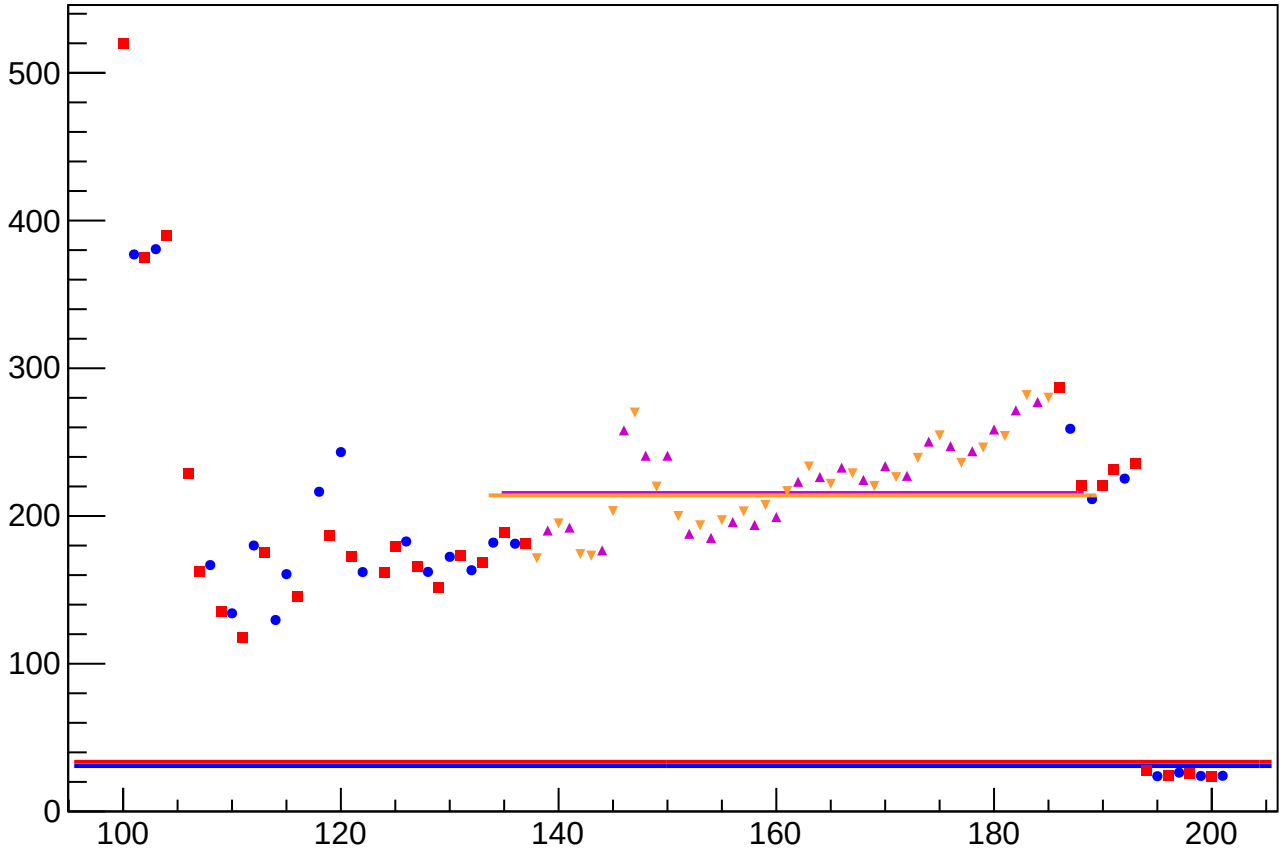
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 2539.122+/-0.013 χ^2/NDF: 14707803331594

All: 4293.465+/-0.009 χ^2/NDF: 2954724982

- sign 6349.175+/-0.014 χ^2/NDF: 14797735800879

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

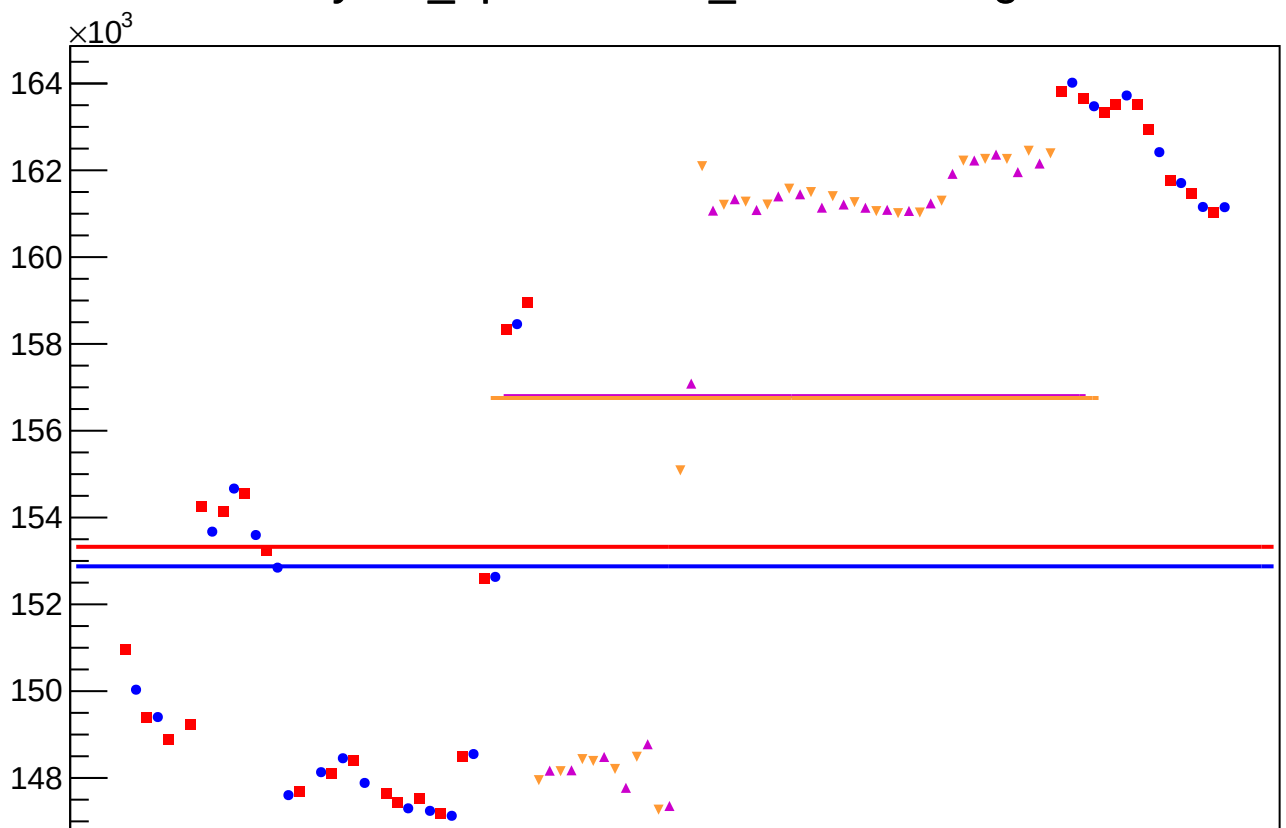
Right Out: 33.608+/-0.010 χ^2/NDF: 13915115.5/27

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 42.774+/-0.009 χ^2/NDF: 38773611.7/47

All: 44.553+/-0.007 χ^2/NDF: 76814961.4/98

- sign 46.638+/-0.010 χ^2/NDF: 37955569.2/50



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: 153325.598+/-0.054 χ^2/NDF: 10789712219.6/27

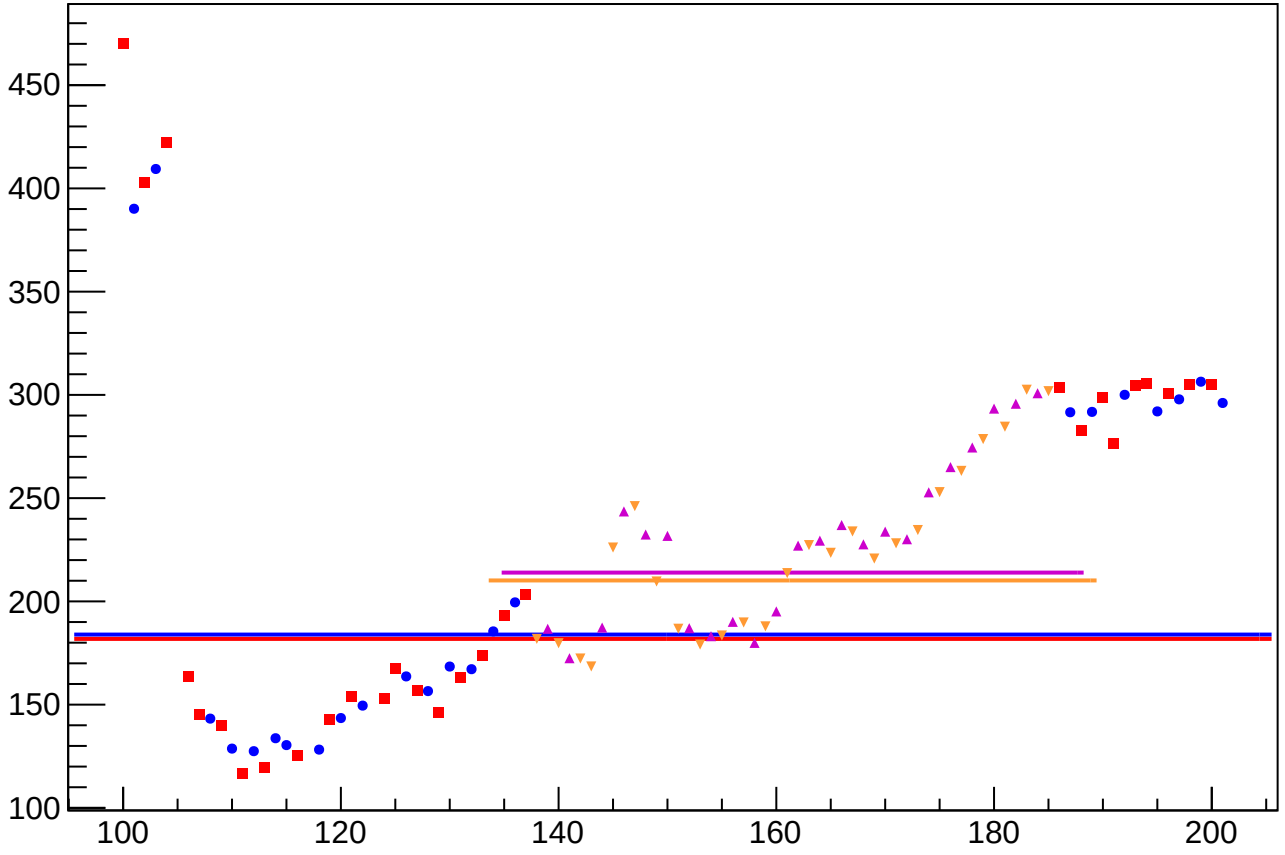
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155112.694+/-0.037 χ^2/NDF: 28688686949.

All: 155133.784+/-0.026 χ^2/NDF: 56020905

- sign 155154.922+/-0.037 χ^2/NDF: 27331565918.2

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

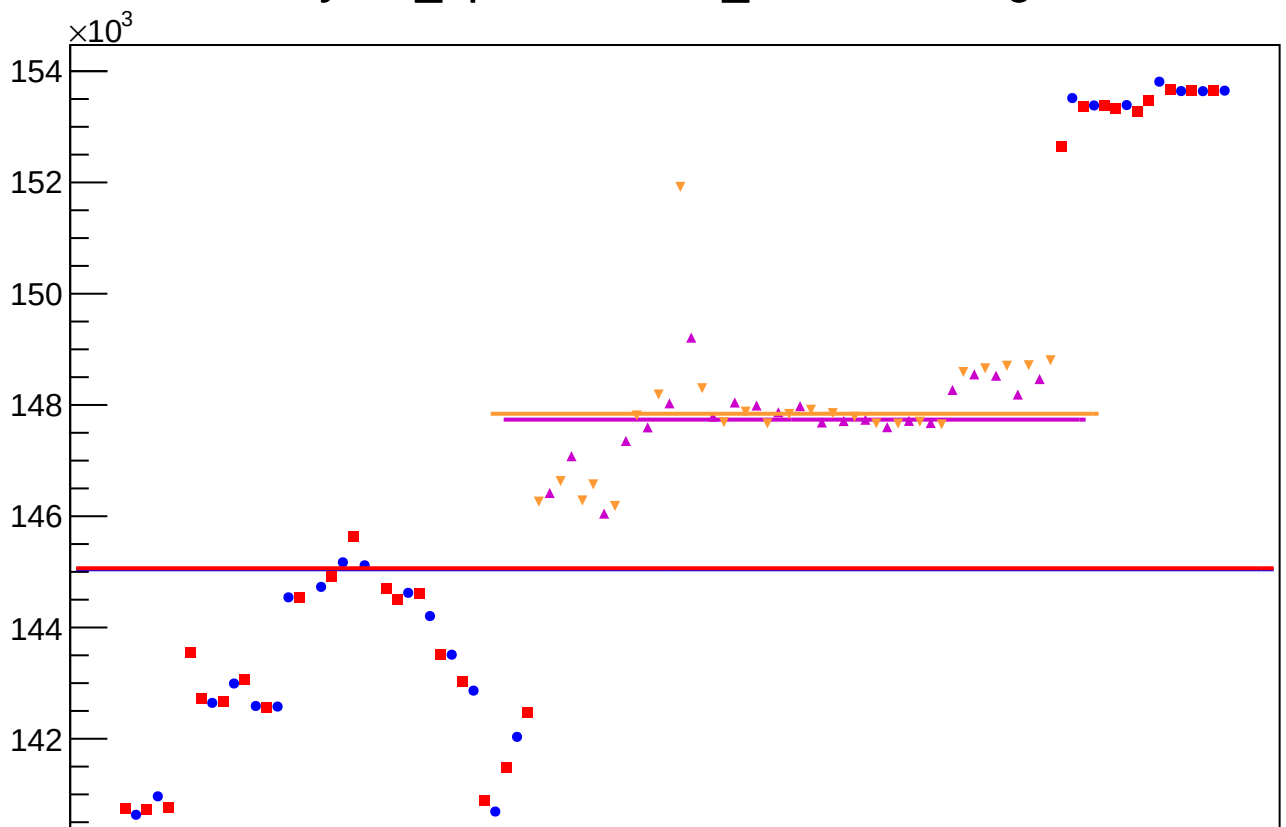
Right Out: 181.834+/-0.038 χ^2/NDF: 3623600.4/27

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 199.046+/-0.026 χ^2/NDF: 4258540.0/47

All: 198.899+/-0.018 χ^2/NDF: 9172569.5/98

- sign 198.751+/-0.026 χ^2/NDF: 4913965.5/50



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: 145064.892+/-0.045 χ^2/NDF: 7928272535.1/27

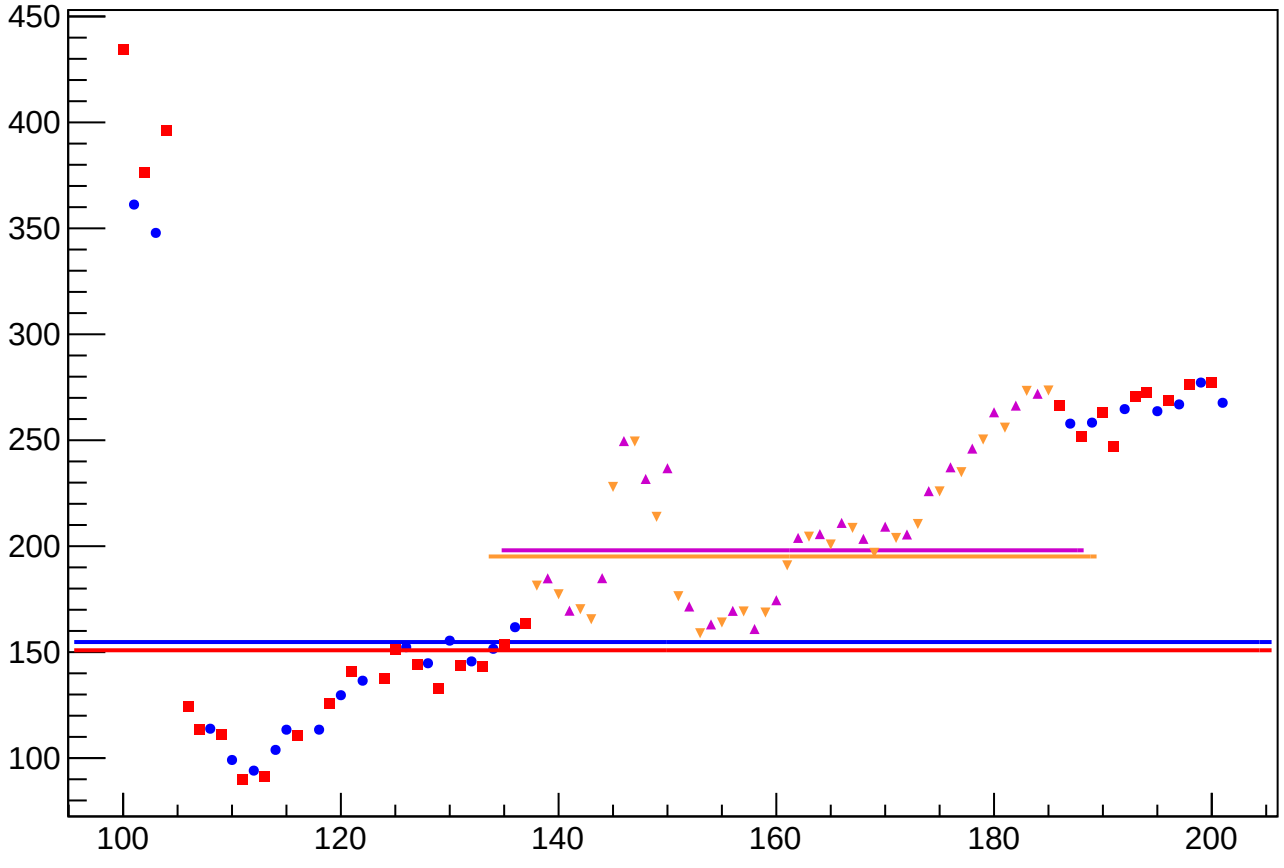
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146543.367+/-0.033 χ^2/NDF: 9340623116.2

All: 146441.328+/-0.023 χ^2/NDF: 19188953

- sign 146341.785+/-0.033 χ^2/NDF: 9829469903.9/

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

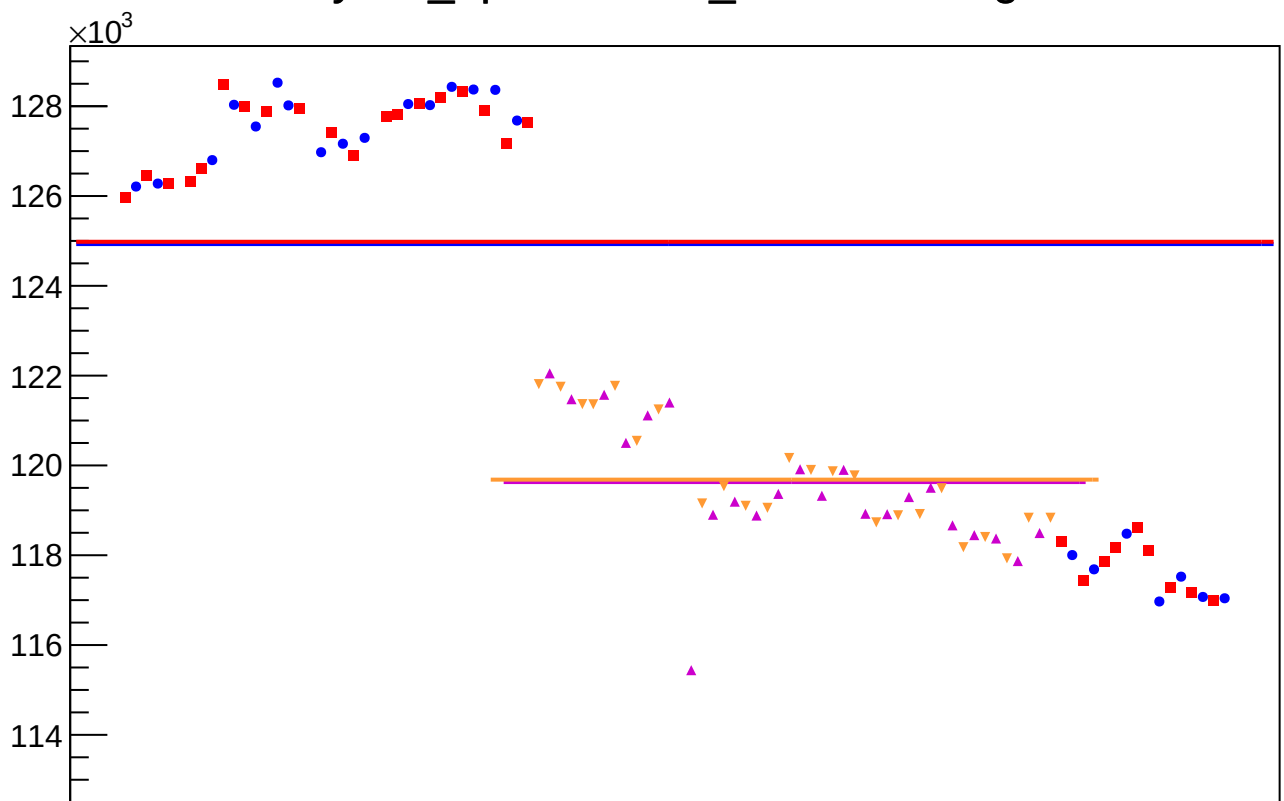
Right Out: 150.878+/-0.032 χ^2/NDF: 4376489.3/27

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 176.388+/-0.023 χ^2/NDF: 5177208.5/47

All: 174.888+/-0.016 χ^2/NDF: 11506198.2/98

- sign 173.425+/-0.023 χ^2/NDF: 6320842.4/50



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: 124980.969+/-0.047 χ^2/NDF: 9366756911.1/27

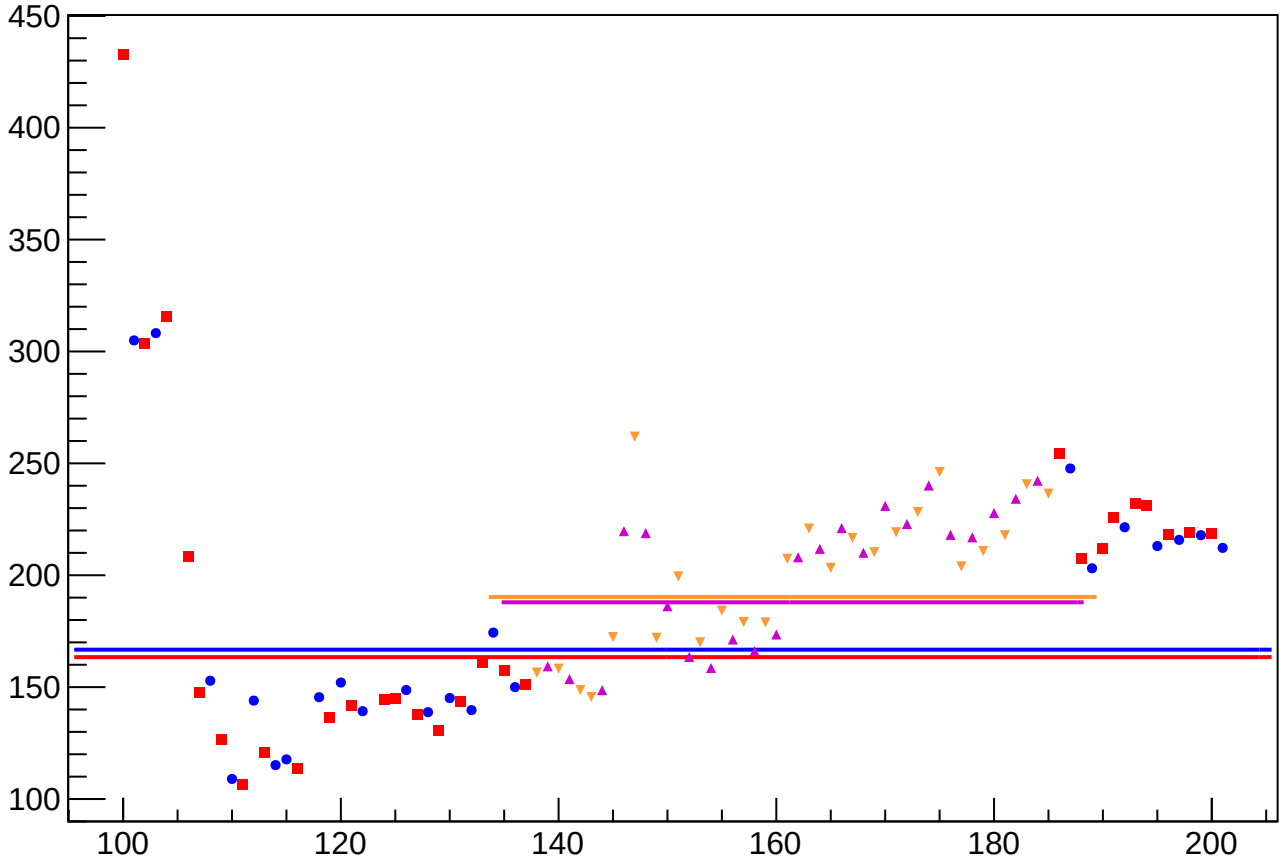
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 121995.459+/-0.033 χ^2/NDF: 16634350403.

All: 122098.657+/-0.023 χ^2/NDF: 34128309

- sign 122197.778+/-0.032 χ^2/NDF: 17474906199.6

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

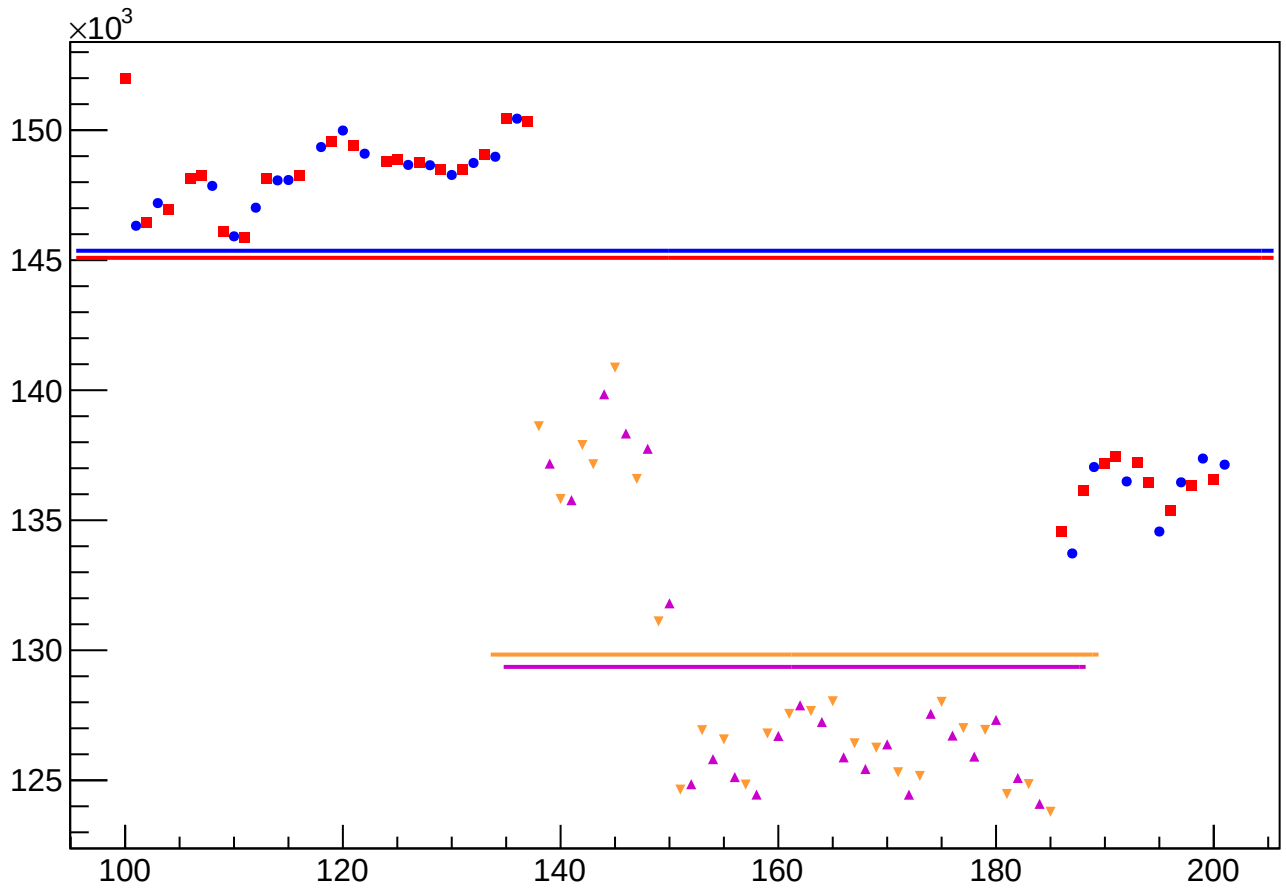
Right Out: 163.406+/-0.033 χ^2/NDF: 2192526.8/27

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 179.916+/-0.023 χ^2/NDF: 2725555.3/47

All: 177.995+/-0.016 χ^2/NDF: 6142070.4/98

- sign 176.150+/-0.023 χ^2/NDF: 3403307.5/50



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: 145090.839+/-0.066 χ^2/NDF: 6844910815.9/27

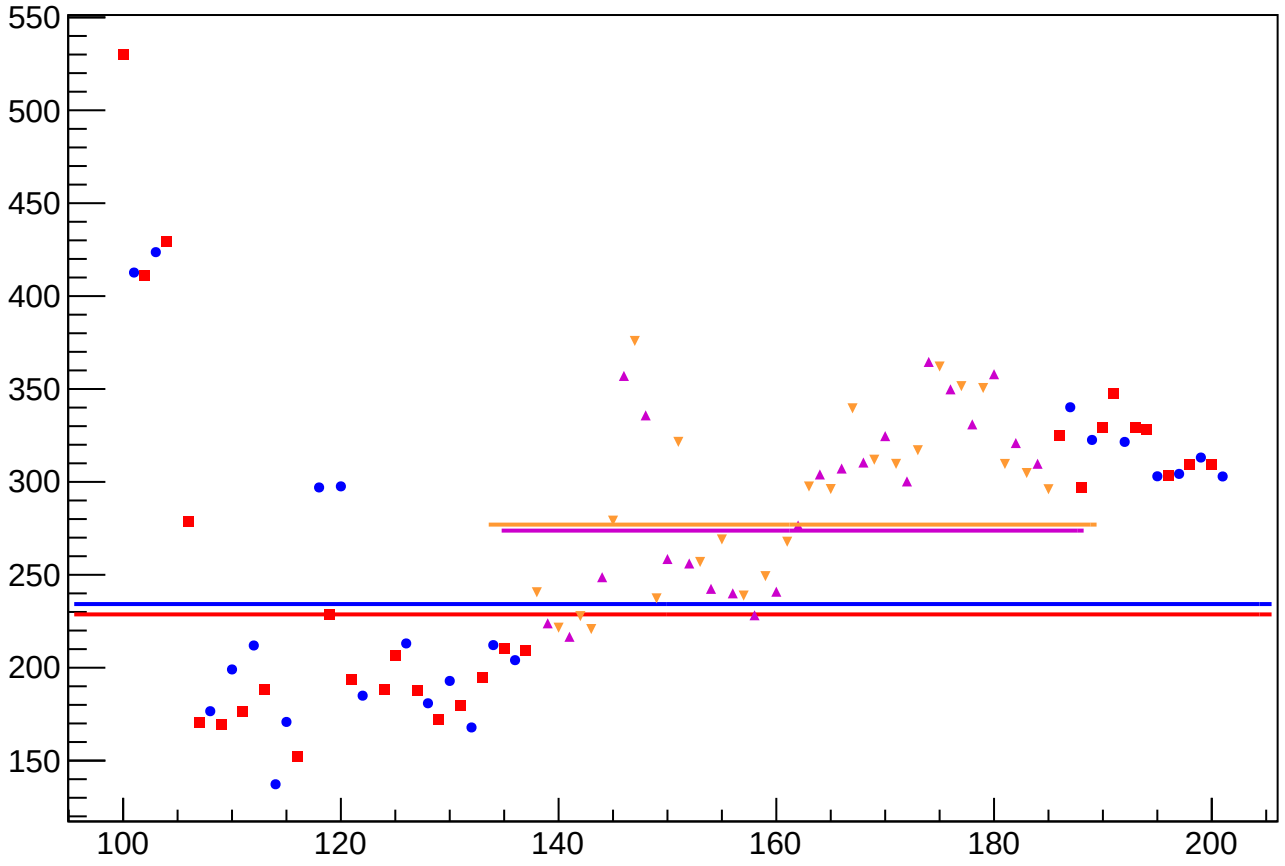
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136876.814+/-0.047 χ^2/NDF: 39325500285.

All: 137038.936+/-0.033 χ^2/NDF: 81667447

- sign 137193.284+/-0.046 χ^2/NDF: 42319464861.7

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

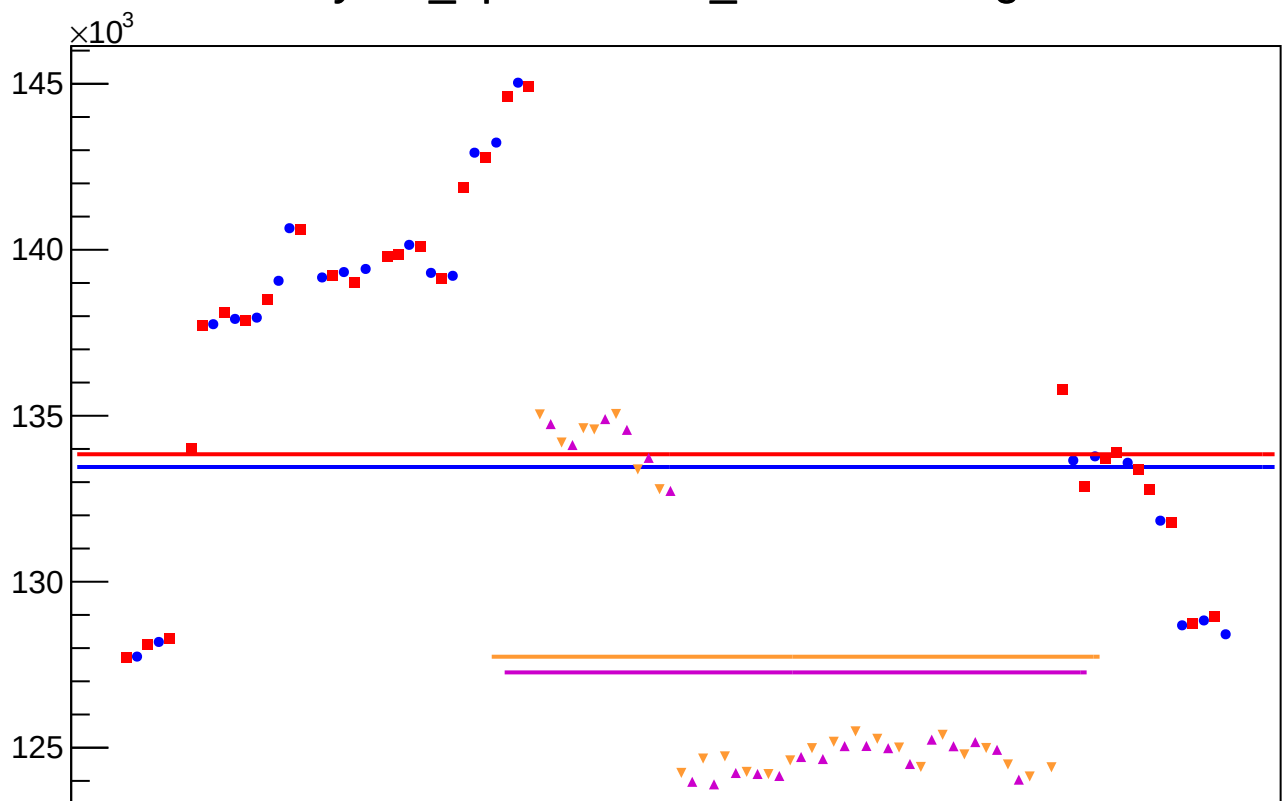
Right Out: 228.690+/-0.046 χ^2/NDF: 2166477.8/27

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 257.626+/-0.034 χ^2/NDF: 3172318.3/47

All: 254.401+/-0.023 χ^2/NDF: 6834898.3/98

- sign 251.330+/-0.033 χ^2/NDF: 3644549.1/50



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: 133840.320+/-0.118 χ^2/NDF: 1531953182.0/27

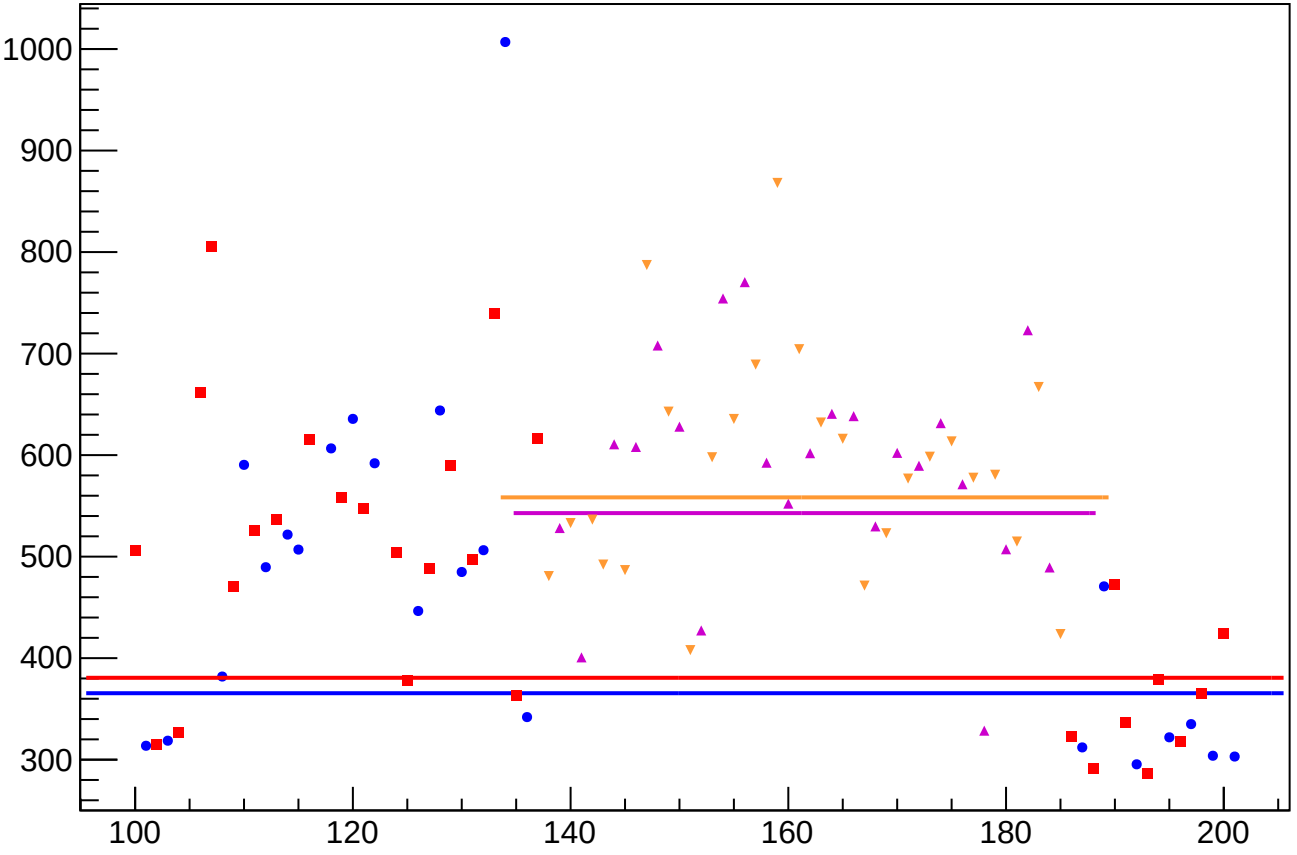
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131007.037+/-0.089 χ^2/NDF: 4465454748.4

All: 131045.939+/-0.063 χ^2/NDF: 82750621

- sign 131085.704+/-0.090 χ^2/NDF: 3809218942.4/

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

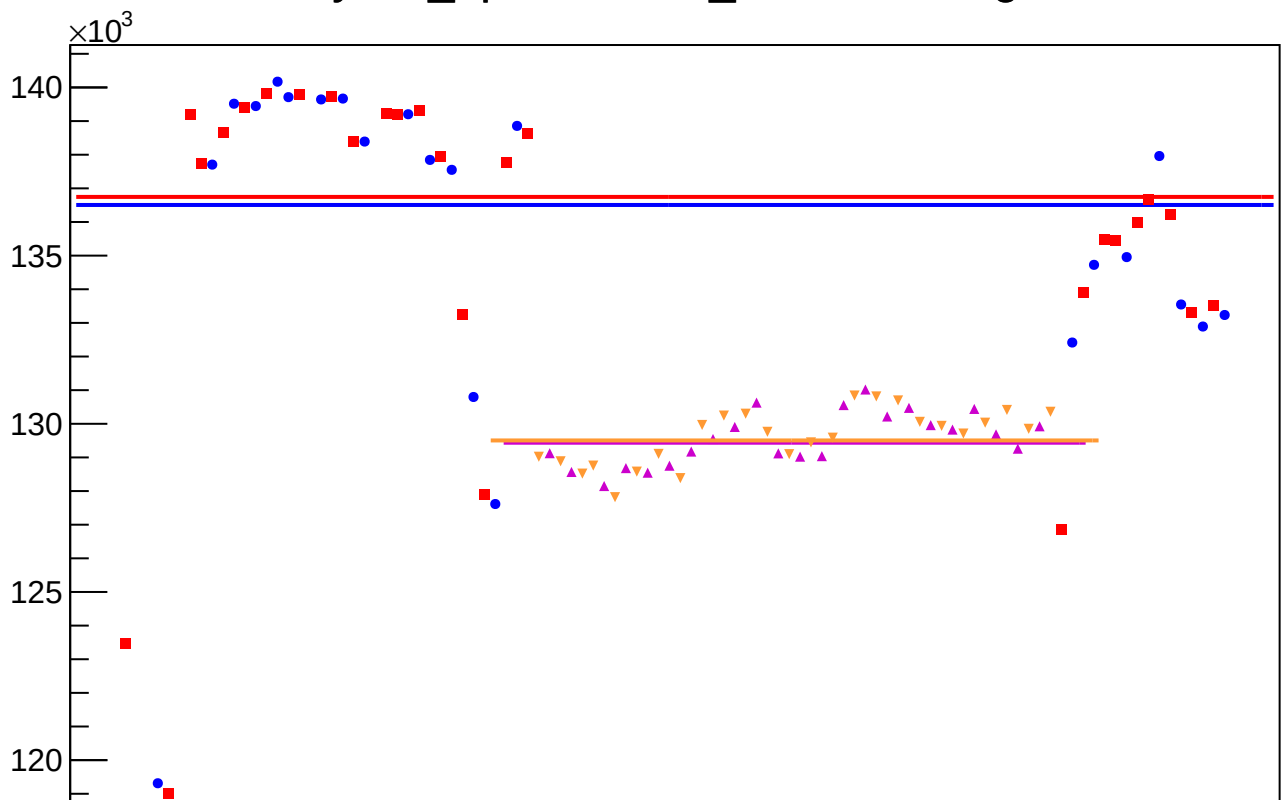
Right Out: 380.652+/-0.083 χ^2/NDF: 1517430.0/27

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 448.134+/-0.063 χ^2/NDF: 4761913.8/47

All: 448.388+/-0.045 χ^2/NDF: 9287424.9/98

- sign 448.648+/-0.063 χ^2/NDF: 4525477.9/50



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: 136745.568+/-0.059 χ^2/NDF: 6458593185.5/27

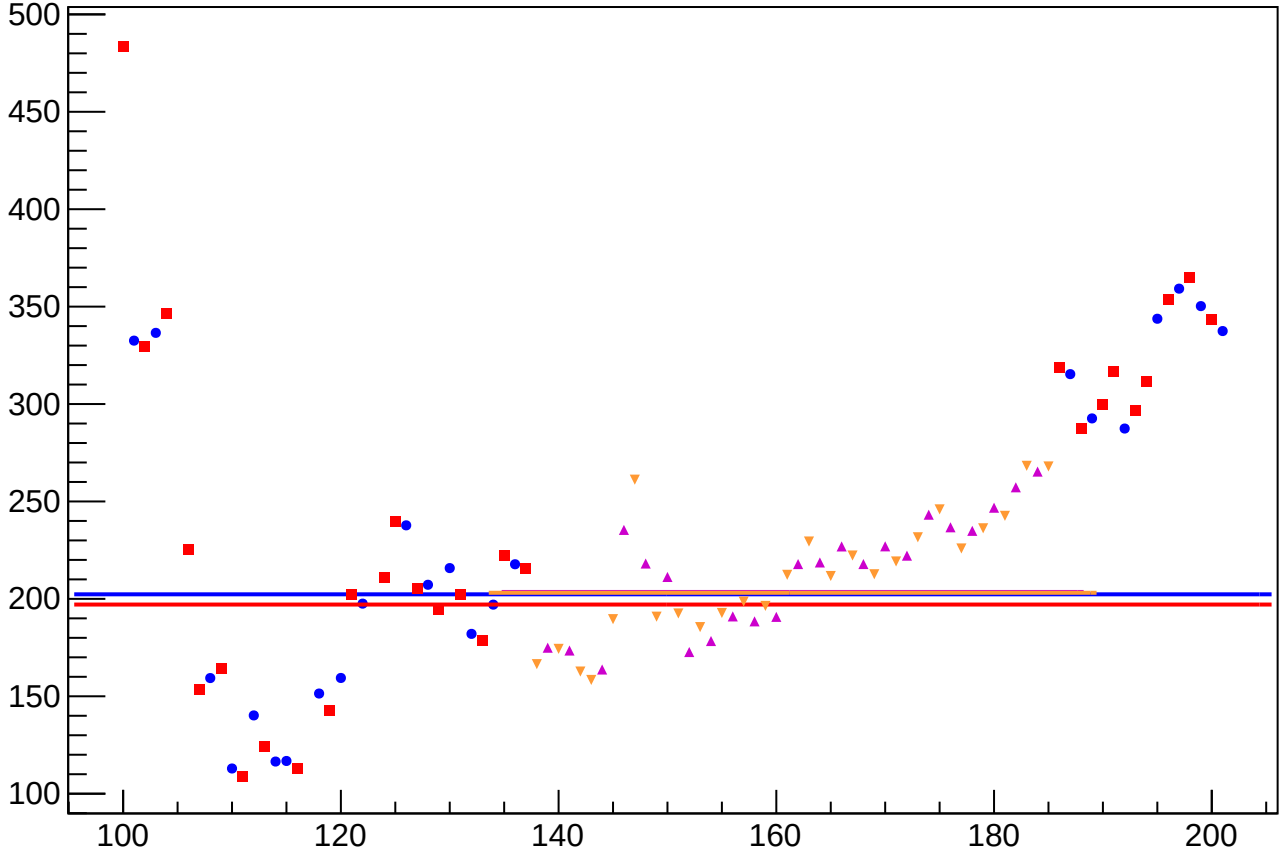
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132017.348+/-0.038 χ^2/NDF: 14434840732.

All: 132213.821+/-0.026 χ^2/NDF: 30468374

- sign 132407.015+/-0.037 χ^2/NDF: 15979534357.8

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

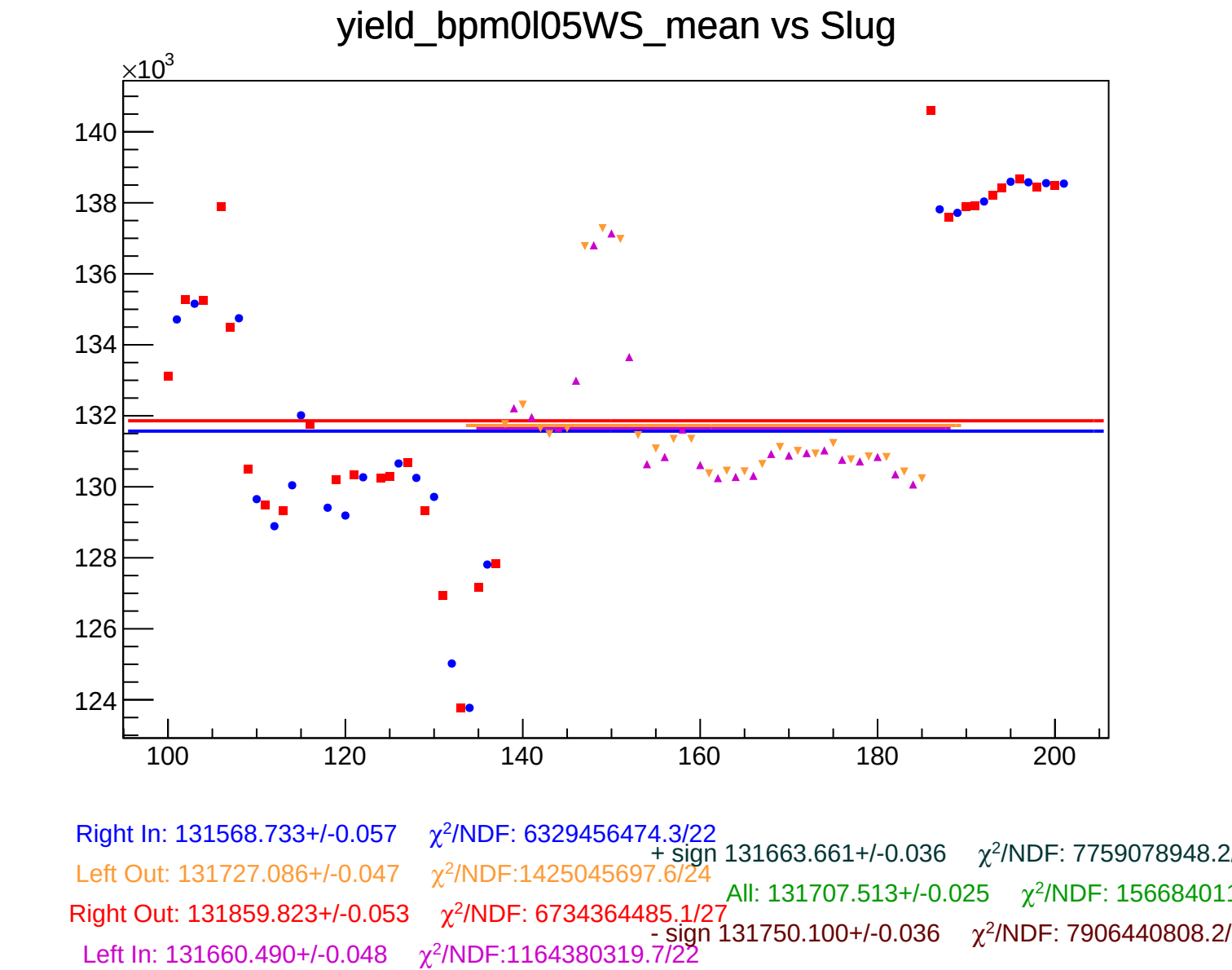
Right Out: 197.085+/-0.041 χ^2/NDF: 3746763.8/27

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

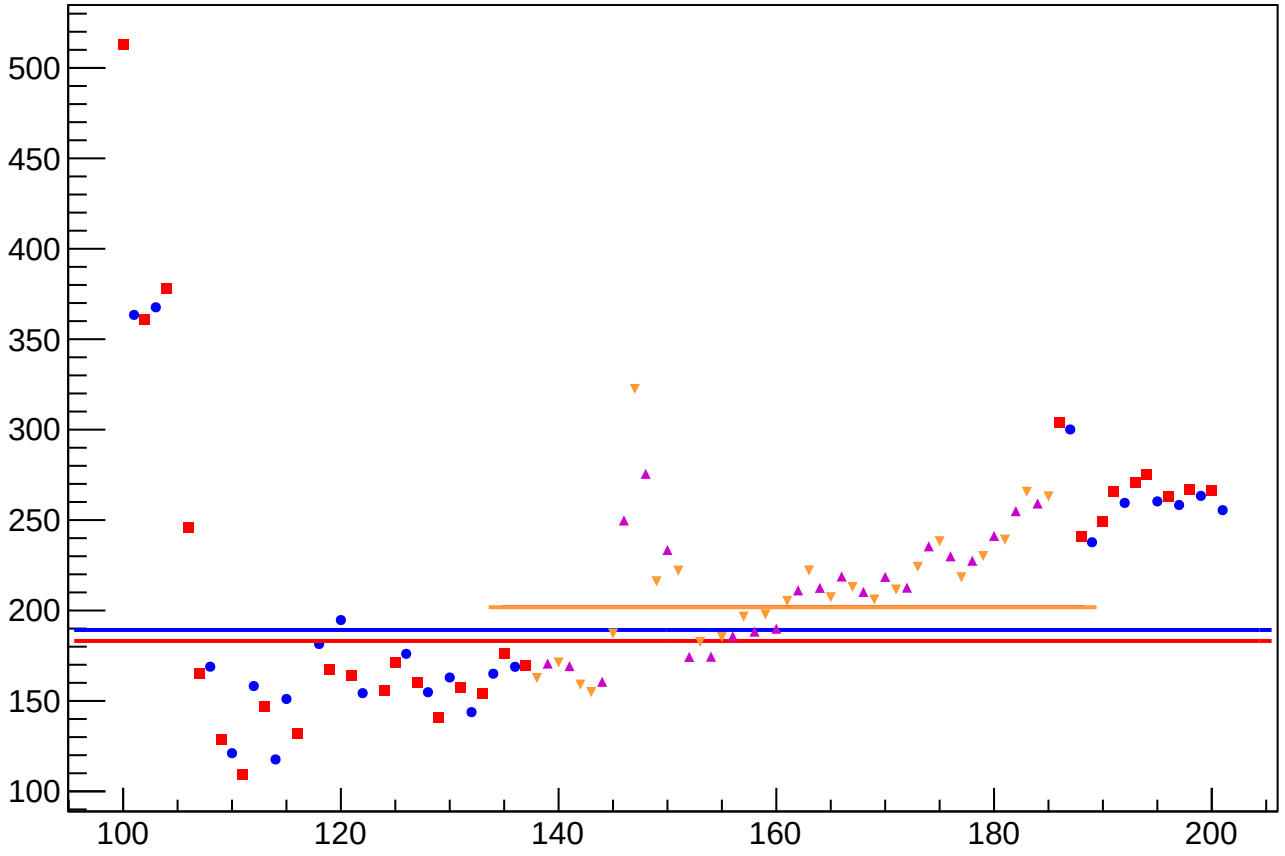
+ sign 202.845+/-0.027 χ^2/NDF: 3781039.3/47

All: 201.875+/-0.019 χ^2/NDF: 8210946.1/98

- sign 200.921+/-0.026 χ^2/NDF: 4427272.0/50


yield_bpm0l05WS_mean vs Slug
×10^3
140
138
136
134
132
130
128
126
124
100
120
140
160
180
200
Right In: 131568.733+/-0.057 χ²/NDF: 6329456474.3/22
Left Out: 131727.086+/-0.047 χ²/NDF:1425045697.6/24
Right Out: 131859.823+/-0.053 χ²/NDF: 6734364485.1/27
Left In: 131660.490+/-0.048 χ²/NDF:1164380319.7/22
+ sign 131663.661+/-0.036 χ²/NDF: 7759078948.2
All: 131707.513+/-0.025 χ²/NDF: 15668401
- sign 131750.100+/-0.036 χ²/NDF: 7906440808.2/

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

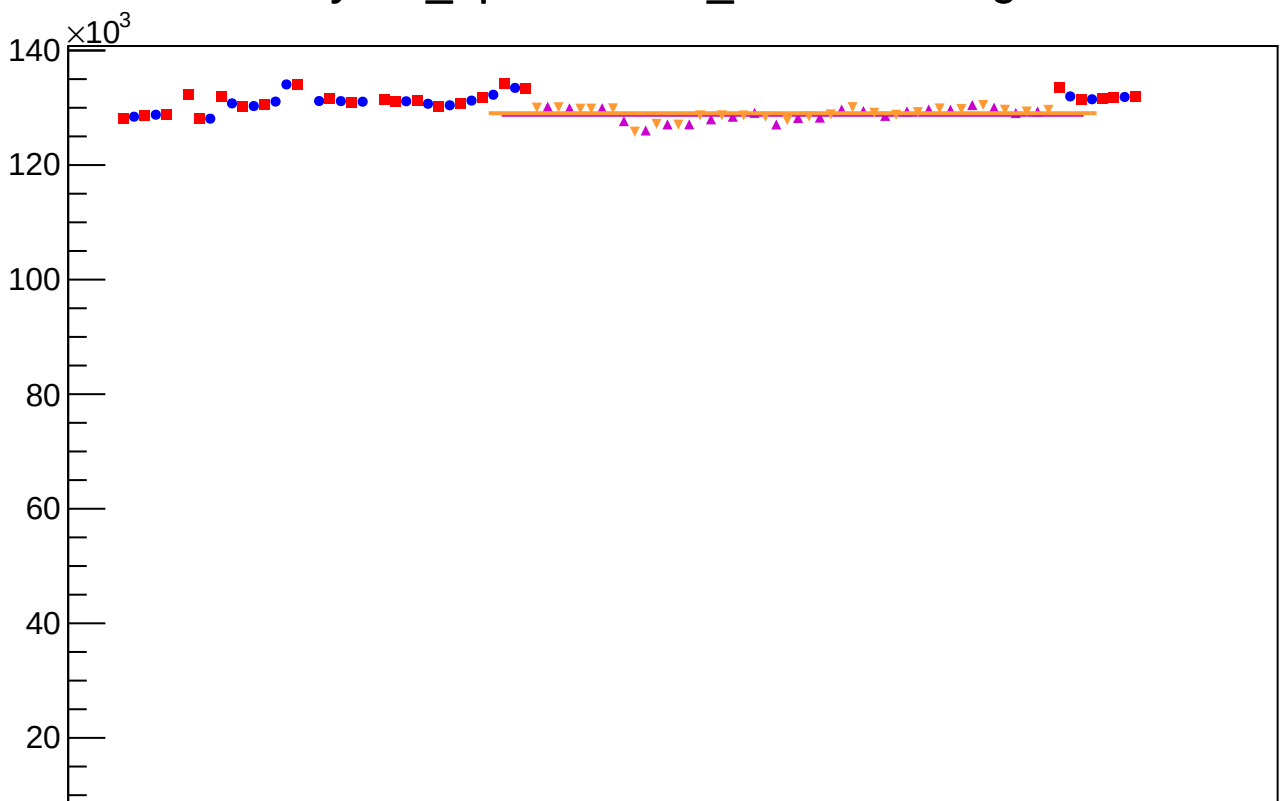
Right Out: 183.163+/-0.038 χ^2/NDF: 2733653.0/27

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 196.768+/-0.026 χ^2/NDF: 2874959.2/47

All: 195.111+/-0.018 χ^2/NDF: 6556220.2/98

- sign 193.503+/-0.025 χ^2/NDF: 3673037.7/50



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: 5598.219+/-0.008 χ^2/NDF: 5817694962657.9/27

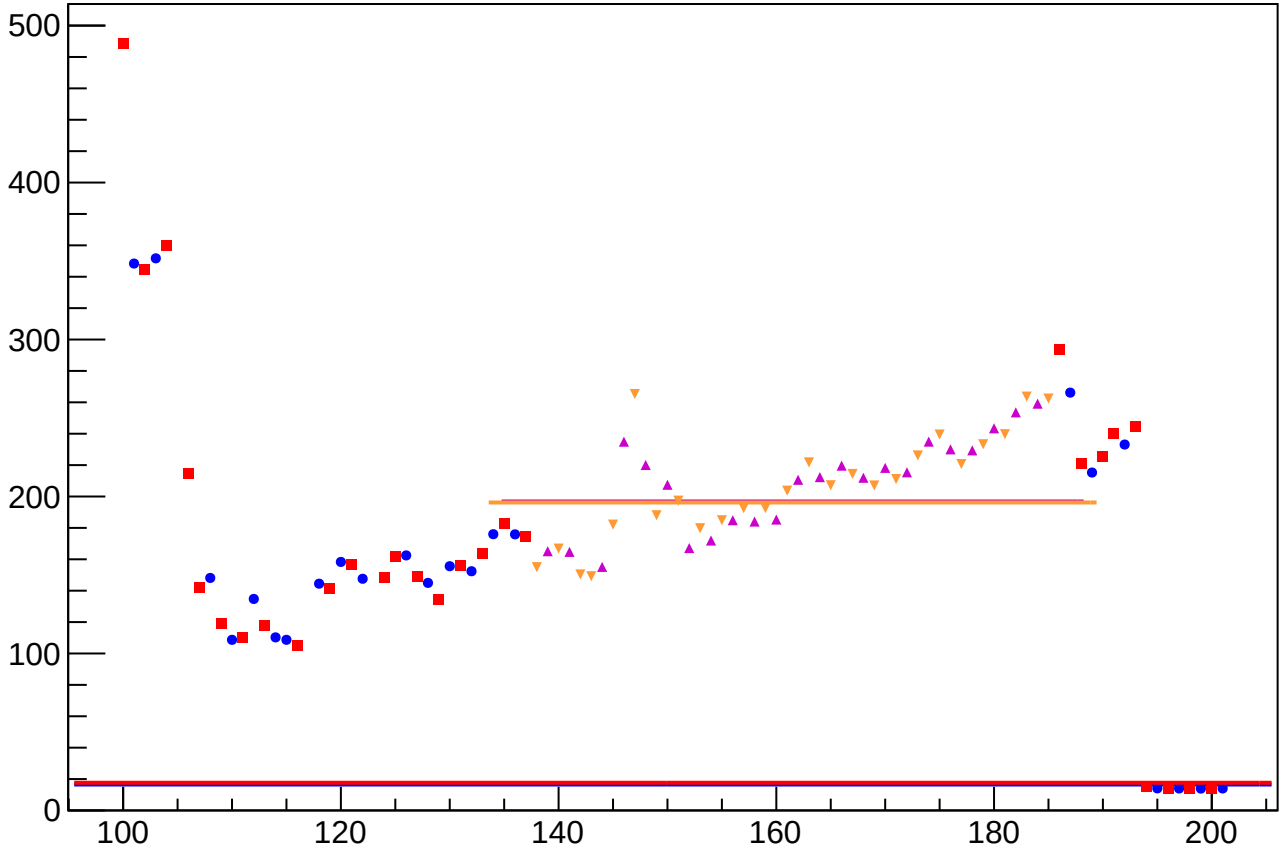
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 7903.118+/-0.007 χ^2/NDF: 1223508127968

All: 8524.855+/-0.005 χ^2/NDF: 2476317884

- sign 9265.387+/-0.008 χ^2/NDF: 12512689474182

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

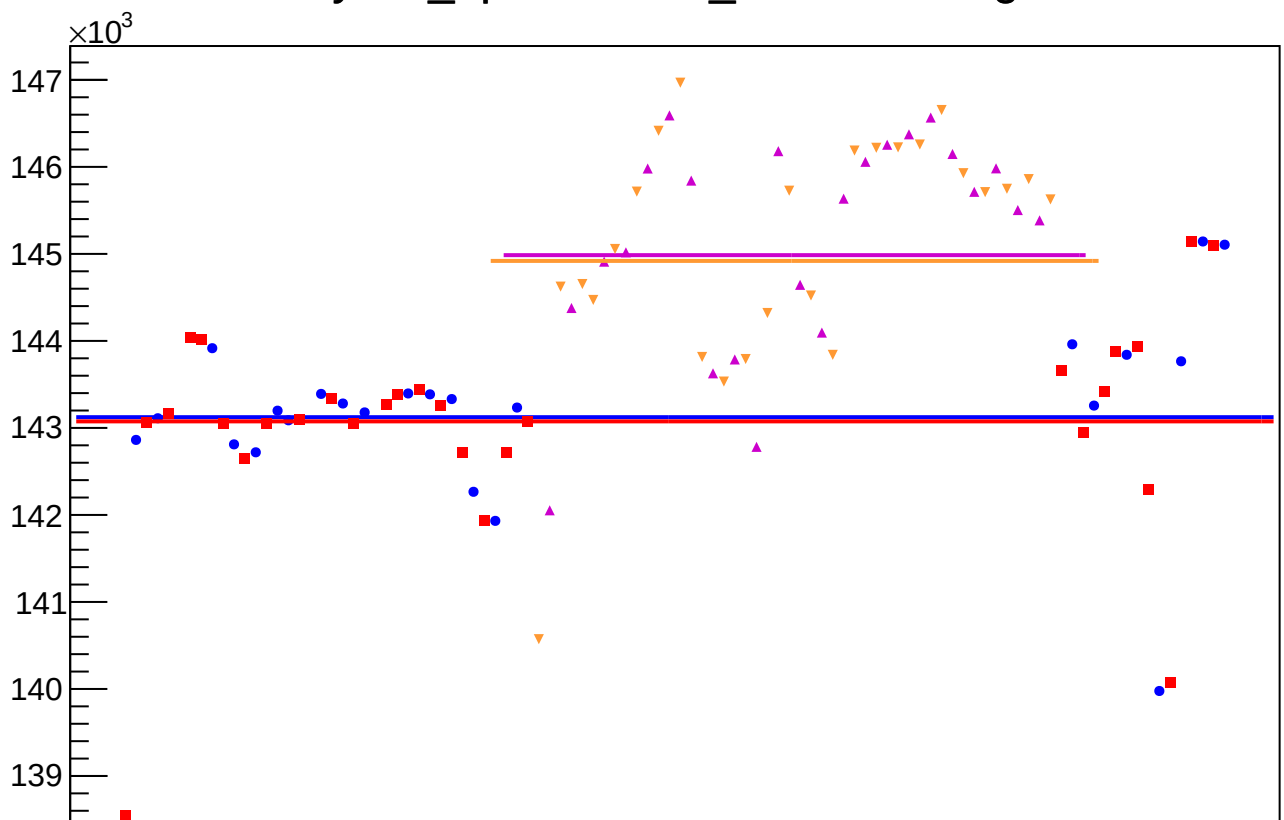
Right Out: 17.645+/-0.006 χ^2/NDF: 16295737.5/27

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 21.303+/-0.005 χ^2/NDF: 45609605.6/47

All: 22.068+/-0.004 χ^2/NDF: 91056605.6/98

- sign 22.979+/-0.006 χ^2/NDF: 45400304.7/50



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: 143075.241+/-0.055 χ^2/NDF: 180366836.4/27

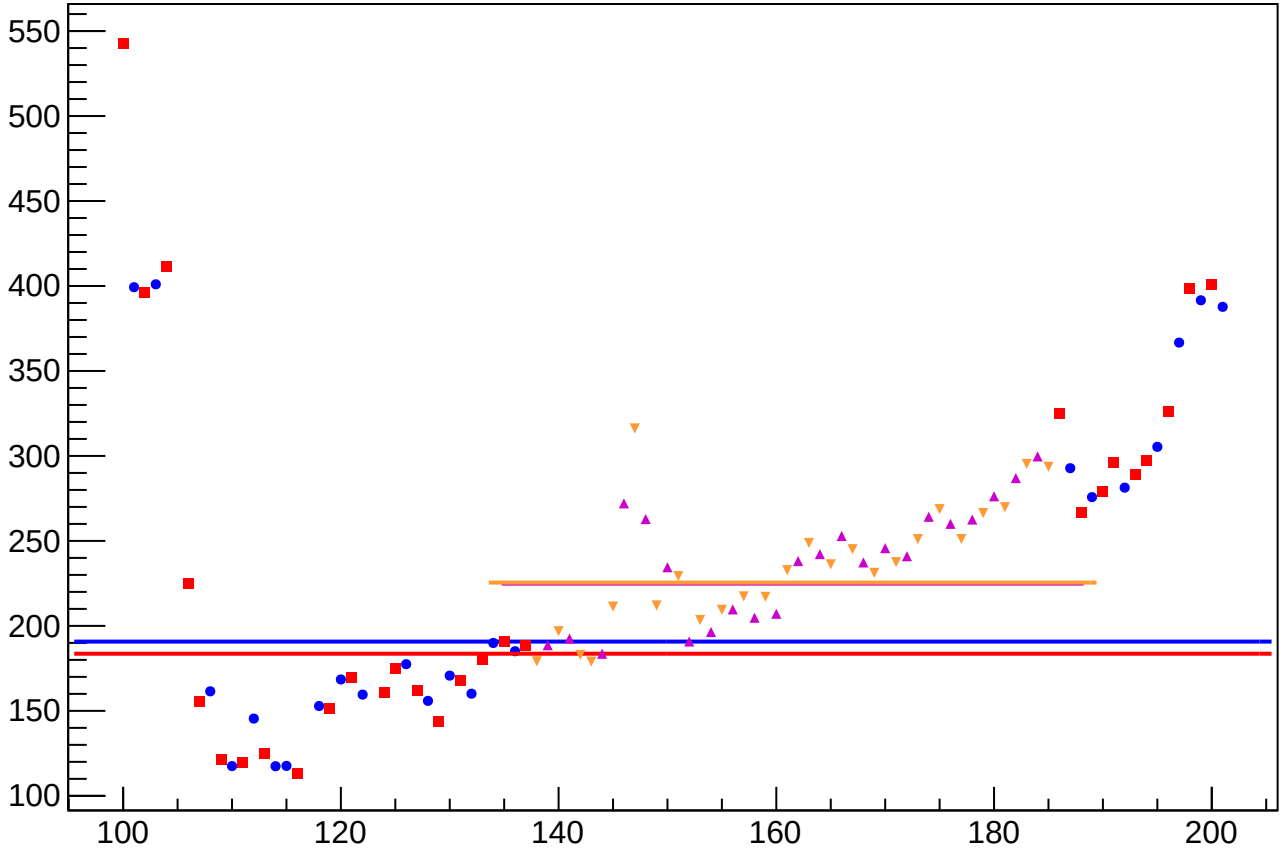
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144135.499+/-0.039 χ^2/NDF: 1545433916.7

All: 144092.298+/-0.027 χ^2/NDF: 29689235

- sign 144051.094+/-0.038 χ^2/NDF: 1421117622.2/

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

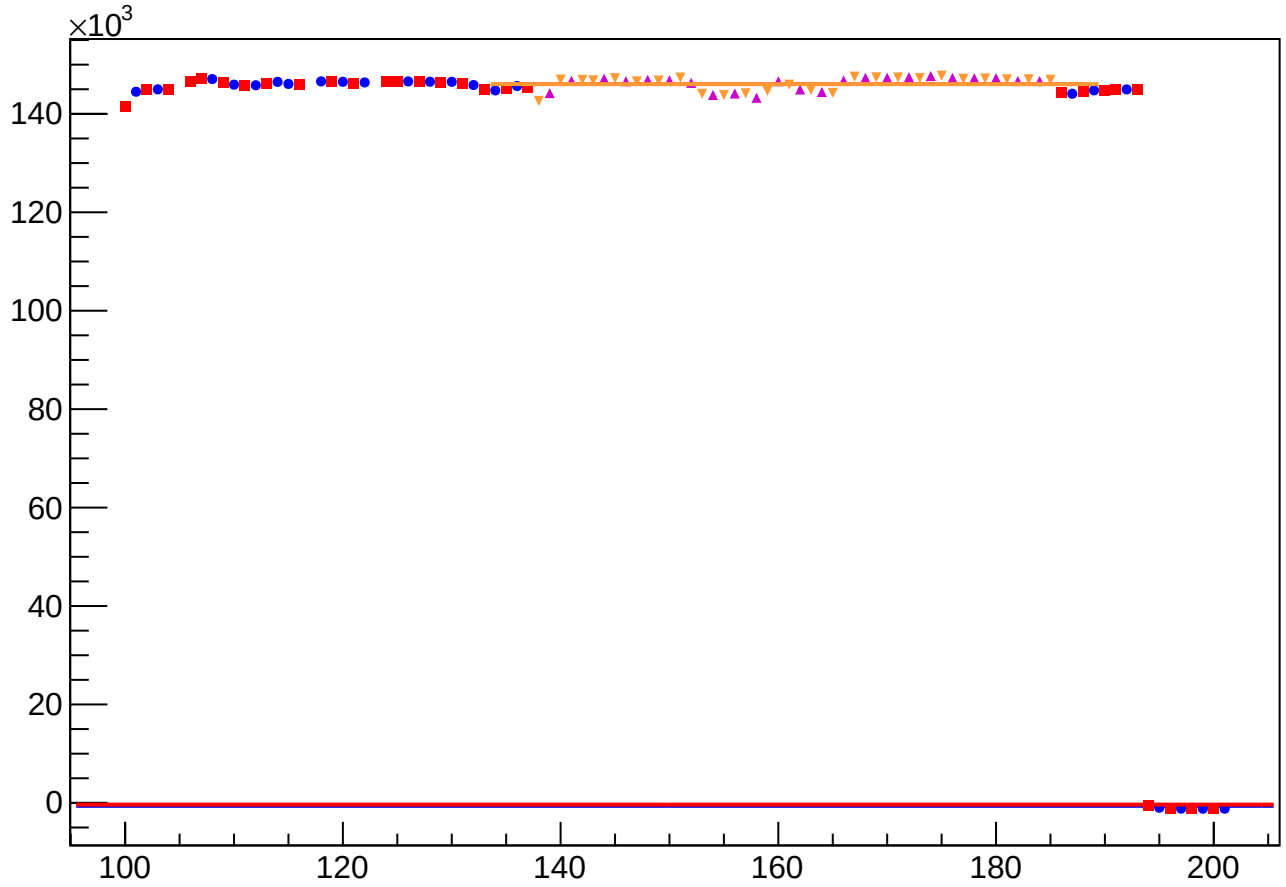
Right Out: 183.628+/-0.039 χ^2/NDF: 4095010.1/27

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 210.325+/-0.028 χ^2/NDF: 4478028.1/47

All: 207.443+/-0.019 χ^2/NDF: 9897701.5/98

- sign 204.695+/-0.027 χ^2/NDF: 5398559.9/50



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: -353.090+/-0.004 χ^2/NDF: 6439769047657.5/27

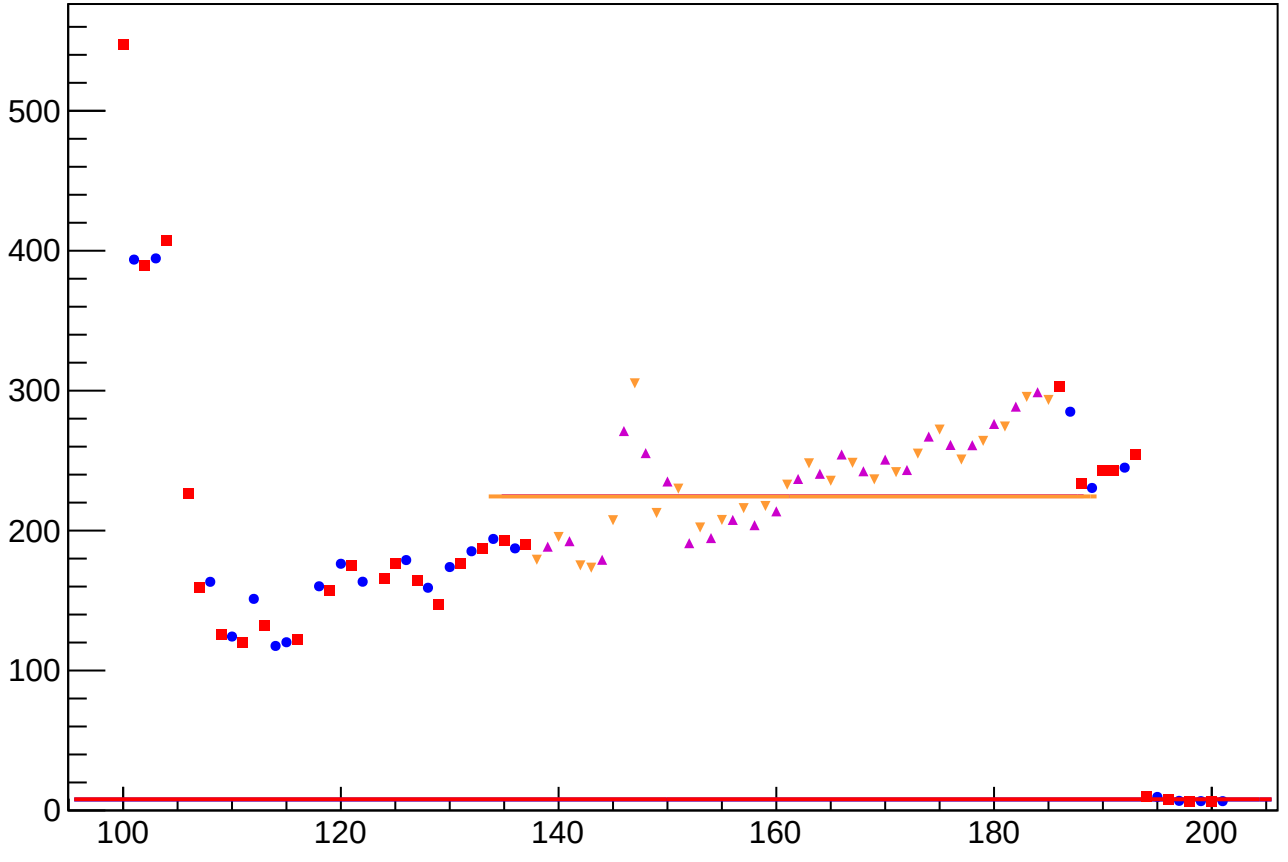
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 230.626+/-0.004 χ^2/NDF: 13266240022093.

All: 378.758+/-0.003 χ^2/NDF: 27135565984

- sign 551.490+/-0.004 χ^2/NDF: 13866199128542.

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

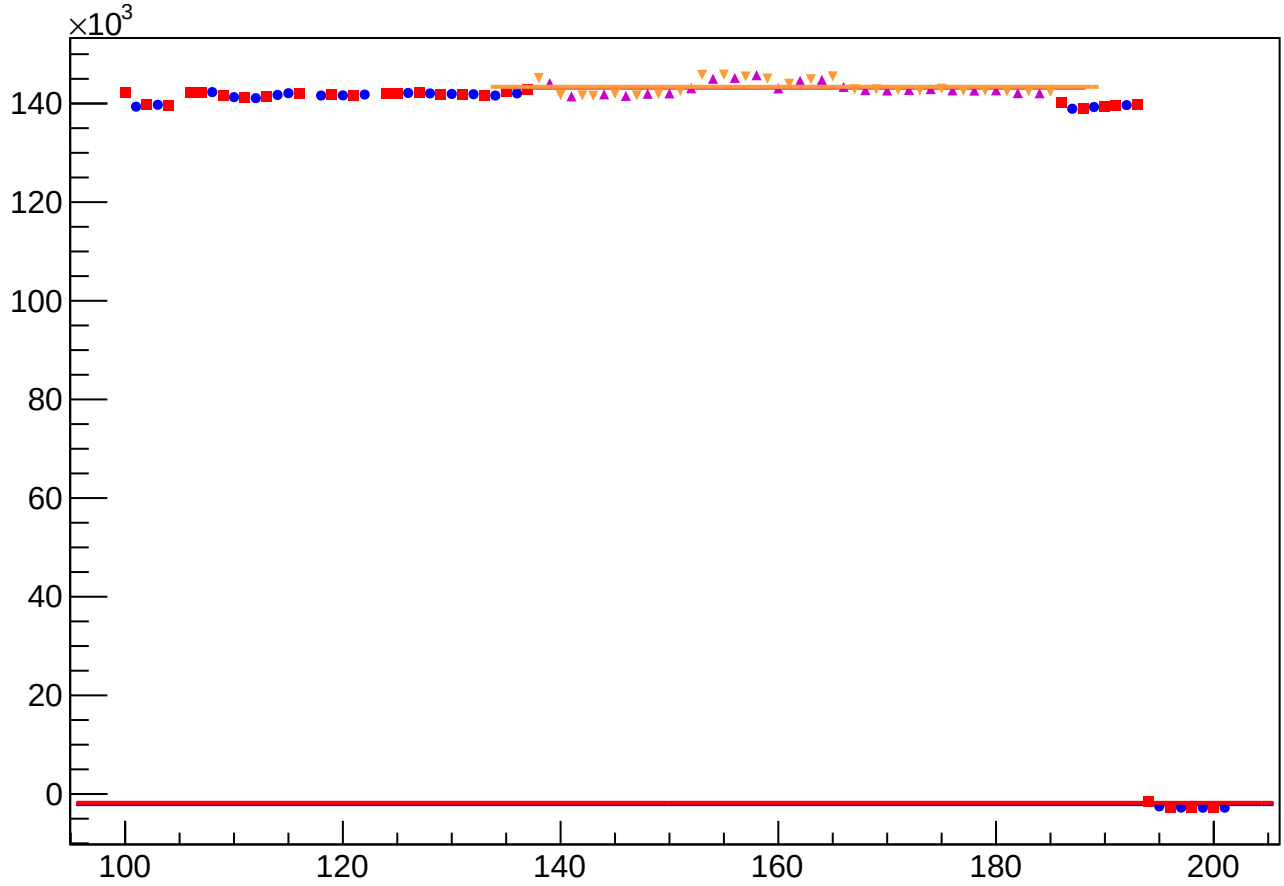
Right Out: 7.983+/-0.003 χ^2/NDF: 18319283.1/27

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 9.015+/-0.003 χ^2/NDF: 51375389.3/47

All: 9.157+/-0.002 χ^2/NDF: 102983540.0/98

- sign 9.322+/-0.003 χ^2/NDF: 51602433.0/50



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: -1781.773+/-0.005 χ^2/NDF: 5805903183743.4/27

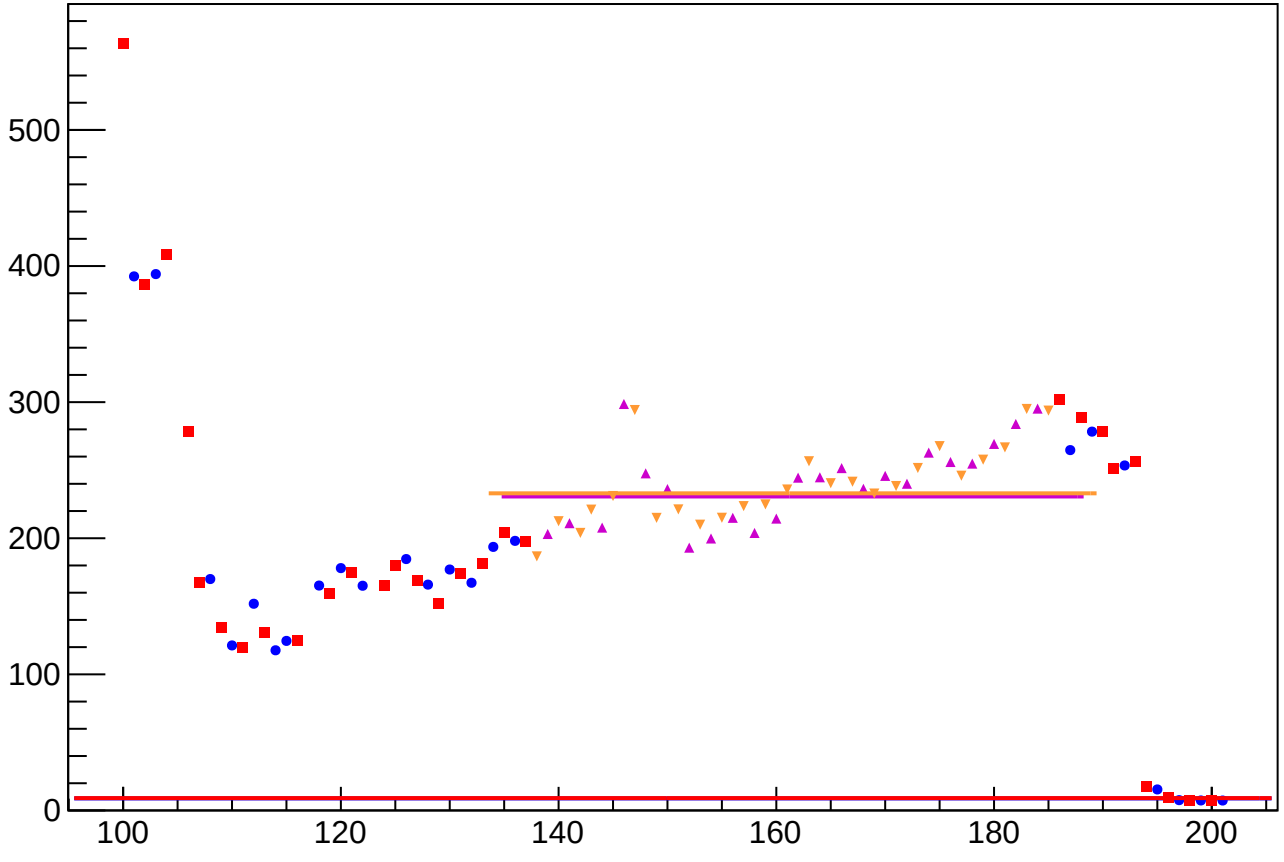
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -1045.579+/-0.004 χ^2/NDF: 1223771440086

All: -866.328+/-0.003 χ^2/NDF: 2498741762

- sign -657.780+/-0.005 χ^2/NDF: 12746232699754.

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

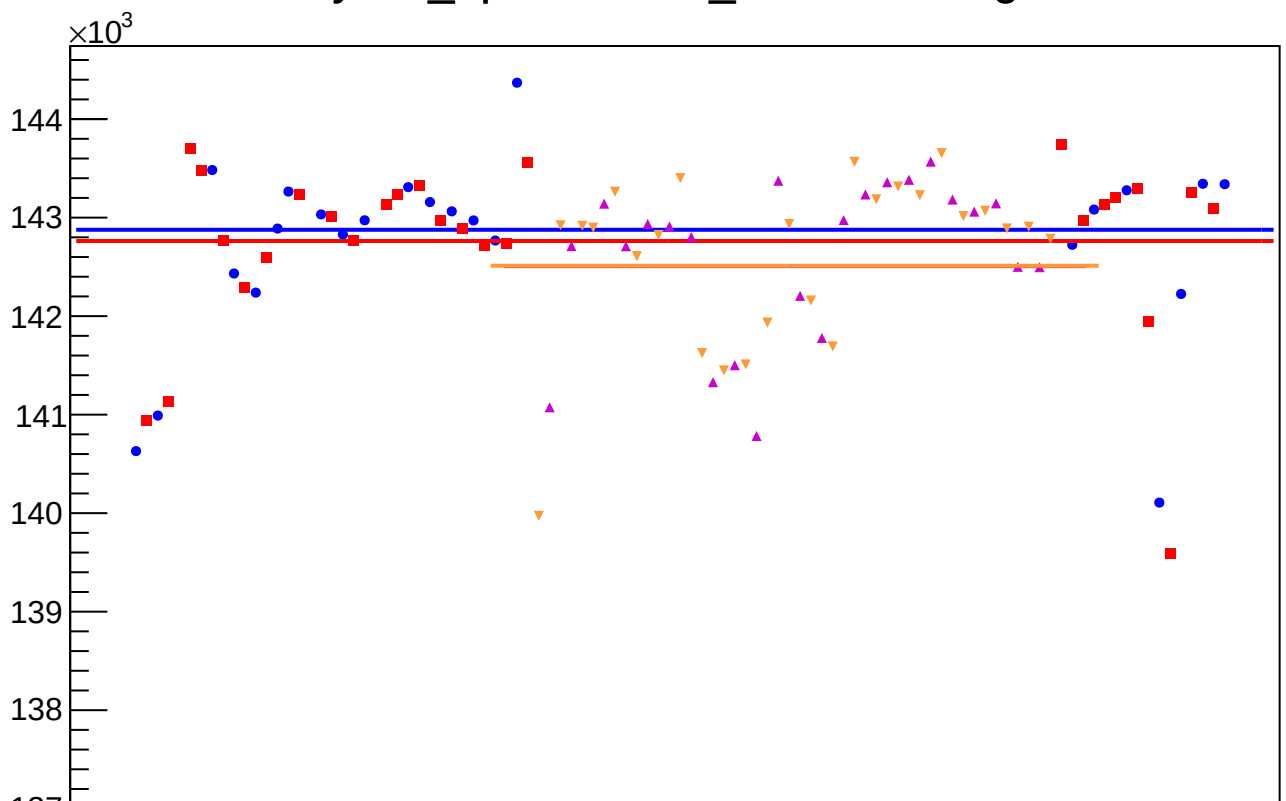
Right Out: 9.073+/-0.003 χ^2/NDF: 18321381.6/27

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 10.390+/-0.003 χ^2/NDF: 51237487.9/47

All: 10.576+/-0.002 χ^2/NDF: 102499930.3/98

- sign 10.791+/-0.003 χ^2/NDF: 51255023.8/50



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: 142762.553+/-0.057 χ^2/NDF: 160751606.9/27

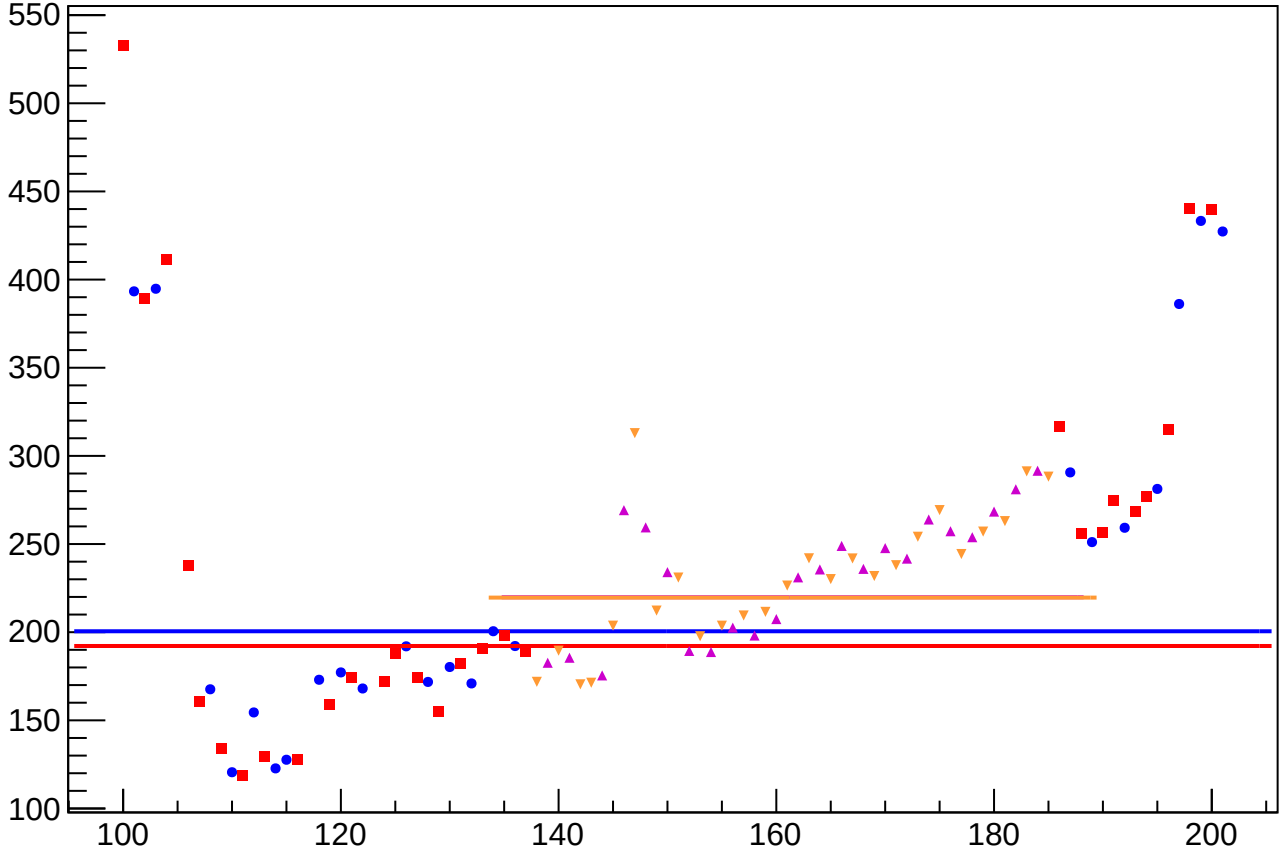
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142658.355+/-0.039 χ^2/NDF: 559332944.6/4

All: 142641.208+/-0.028 χ^2/NDF: 10006137

- sign 142624.781+/-0.039 χ^2/NDF: 440909030.8/5

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

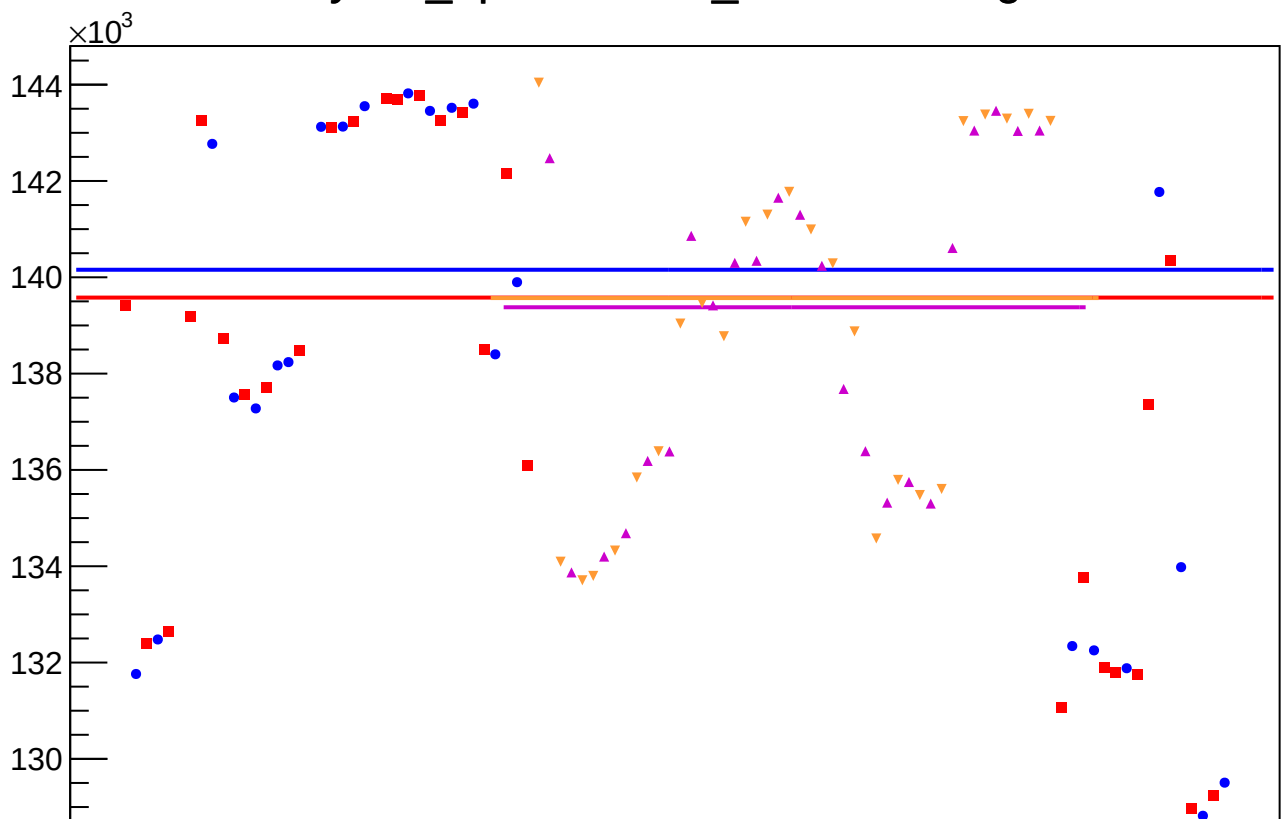
Right Out: 192.173+/-0.040 χ^2/NDF: 3641800.6/27

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 211.938+/-0.028 χ^2/NDF: 4010452.4/47

All: 209.471+/-0.019 χ^2/NDF: 8728952.7/98

- sign 207.107+/-0.027 χ^2/NDF: 4703106.7/50



Right In: 140156.540+/-0.088 χ^2/NDF: 2559501037.6/22

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139578.656+/-0.087 χ^2/NDF: 2664517568.5/27

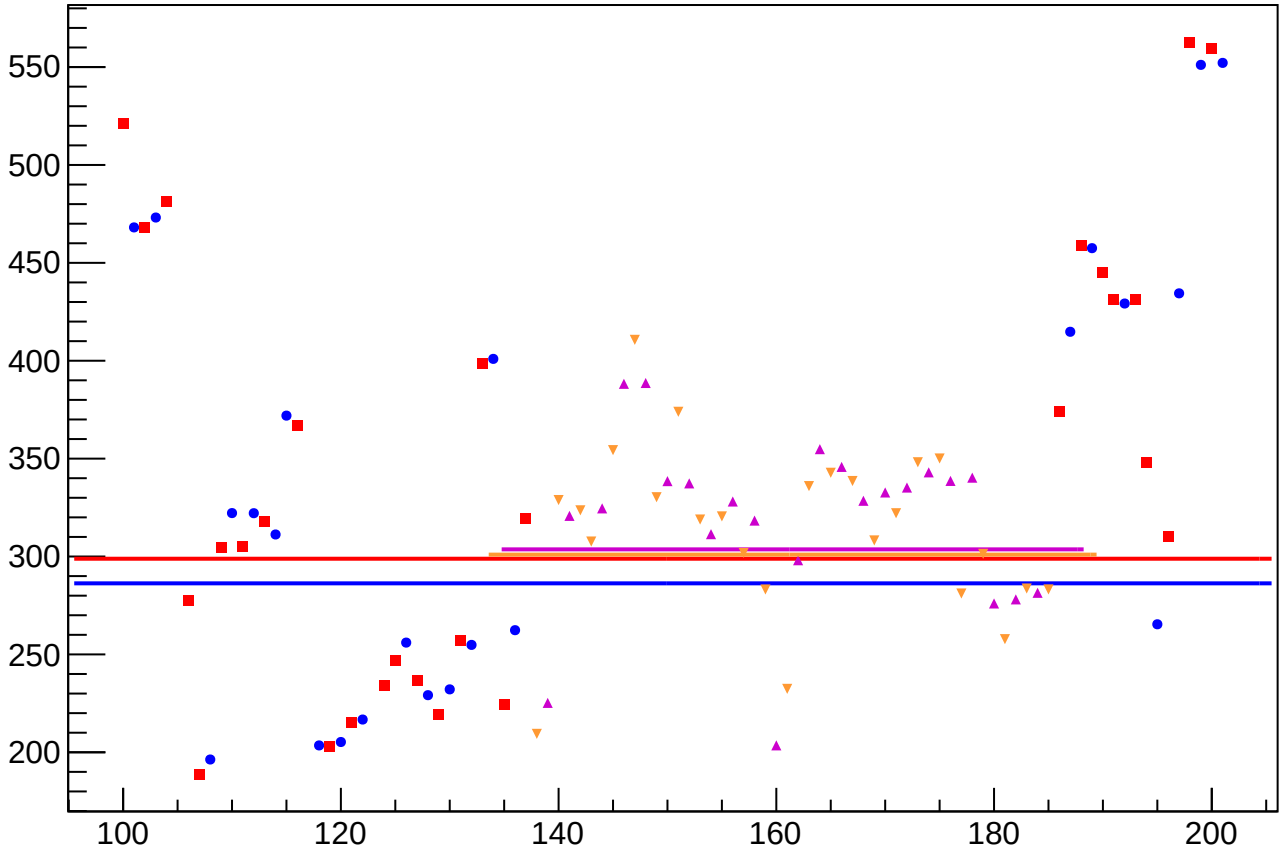
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139796.219+/-0.055 χ^2/NDF: 5173406327.8

All: 139631.623+/-0.039 χ^2/NDF: 97808691

- sign 139460.762+/-0.056 χ^2/NDF: 4589095133.4/

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

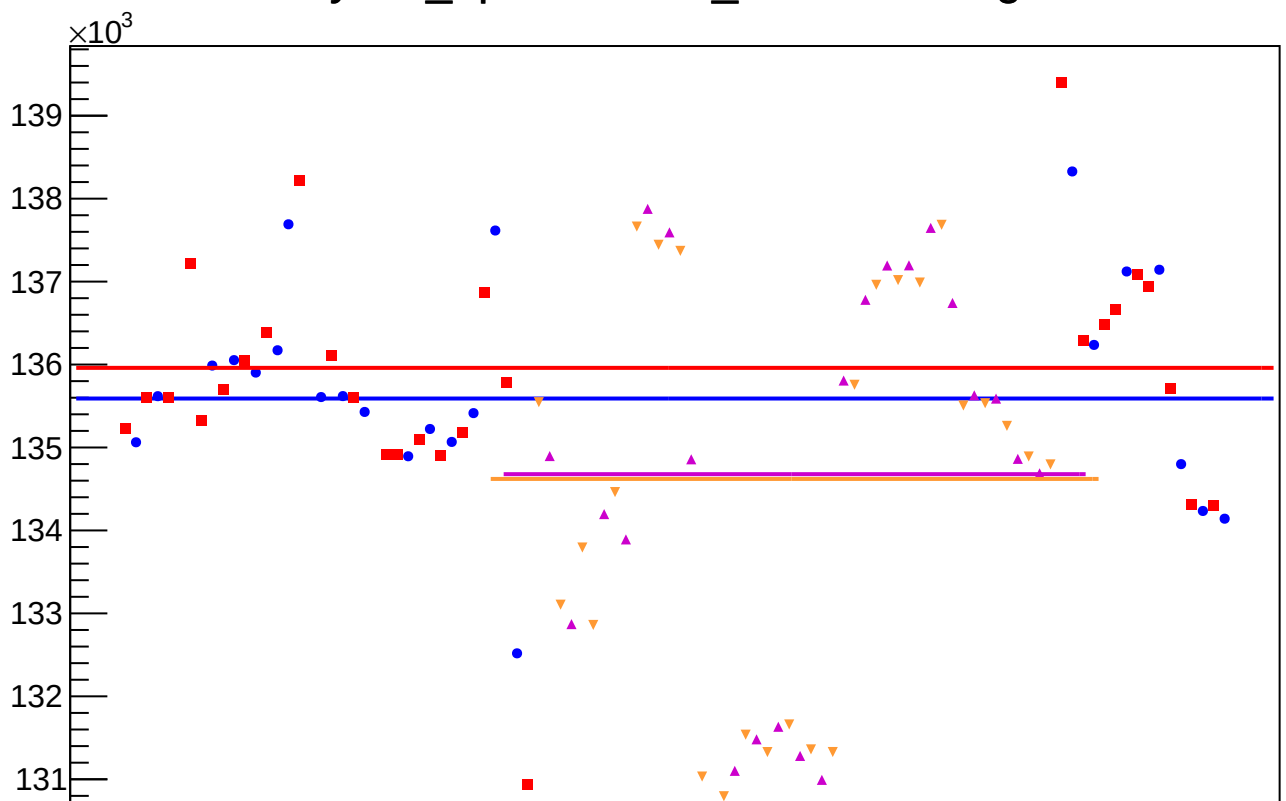
Right Out: 298.871+/-0.061 χ^2/NDF: 2596843.2/27

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 295.289+/-0.039 χ^2/NDF: 3400956.5/47

All: 298.424+/-0.028 χ^2/NDF: 6990942.5/98

- sign 301.678+/-0.039 χ^2/NDF: 3576659.3/50



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: 135960.047+/-0.078 χ^2/NDF: 229107904.4/27

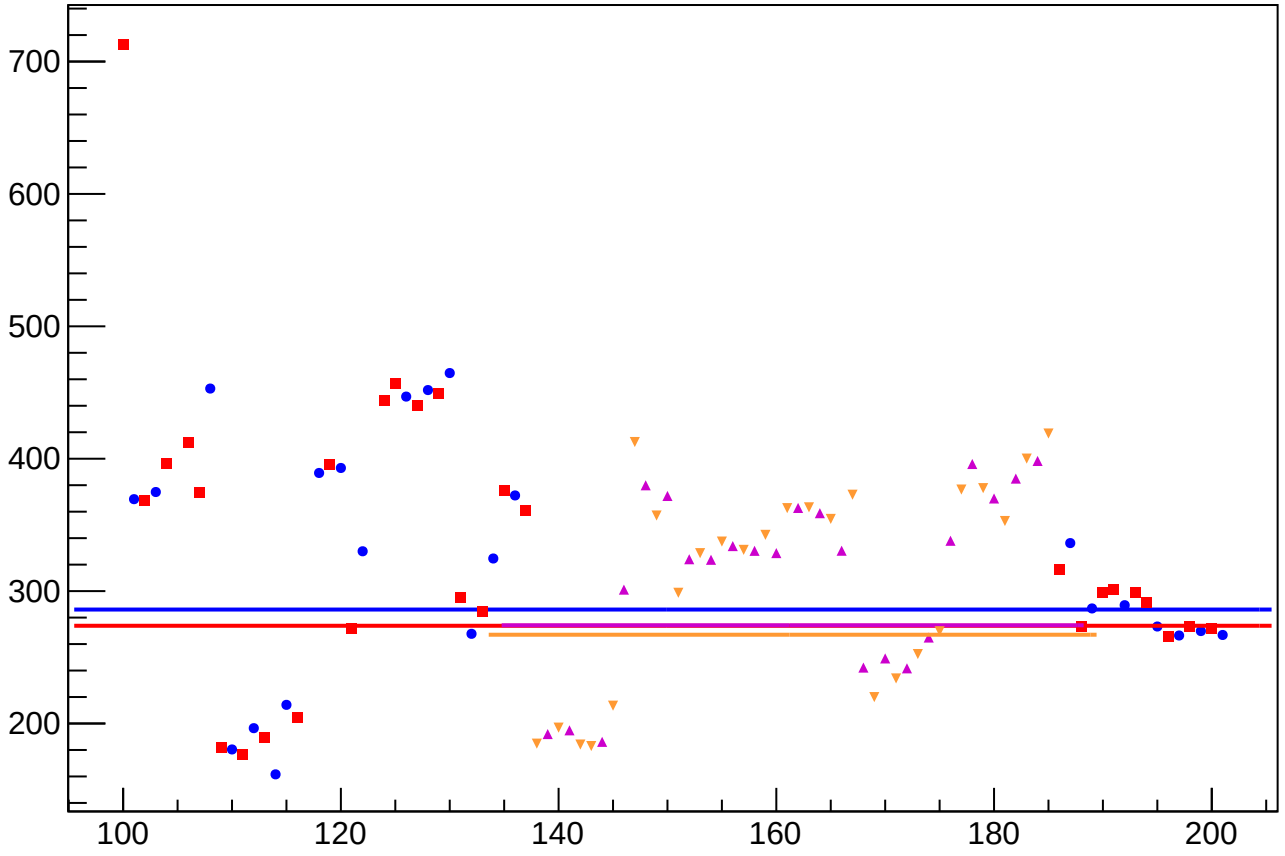
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134968.872+/-0.051 χ^2/NDF: 1501713682.5/

All: 135096.877+/-0.036 χ^2/NDF: 29956471

- sign 135223.325+/-0.051 χ^2/NDF: 1481426623.0/

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

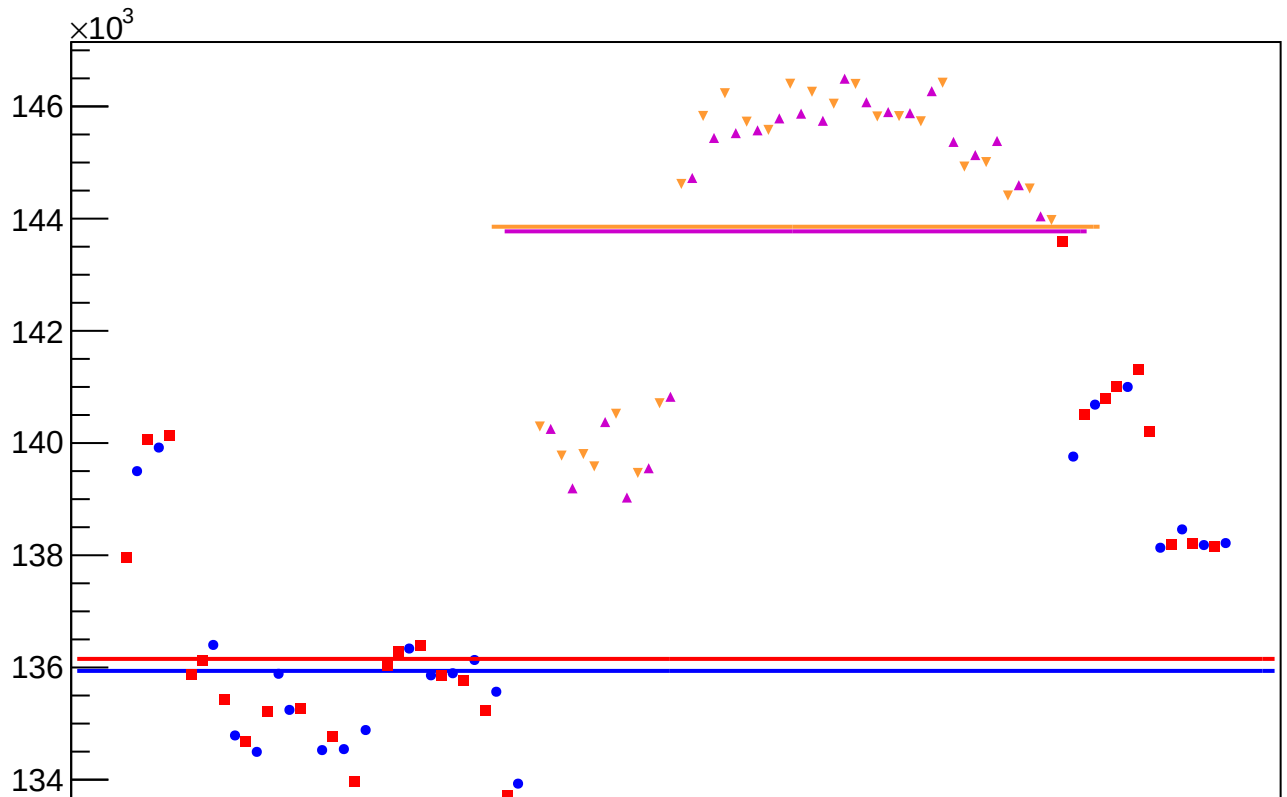
Right Out: 273.820+/-0.055 χ^2/NDF: 1728846.8/27

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 273.881+/-0.036 χ^2/NDF: 4398336.3/47

All: 273.954+/-0.025 χ^2/NDF: 8363970.5/98

- sign 274.025+/-0.036 χ^2/NDF: 3965626.1/50



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: 136152.767+/-0.047 χ^2/NDF: 2060944075.6/27

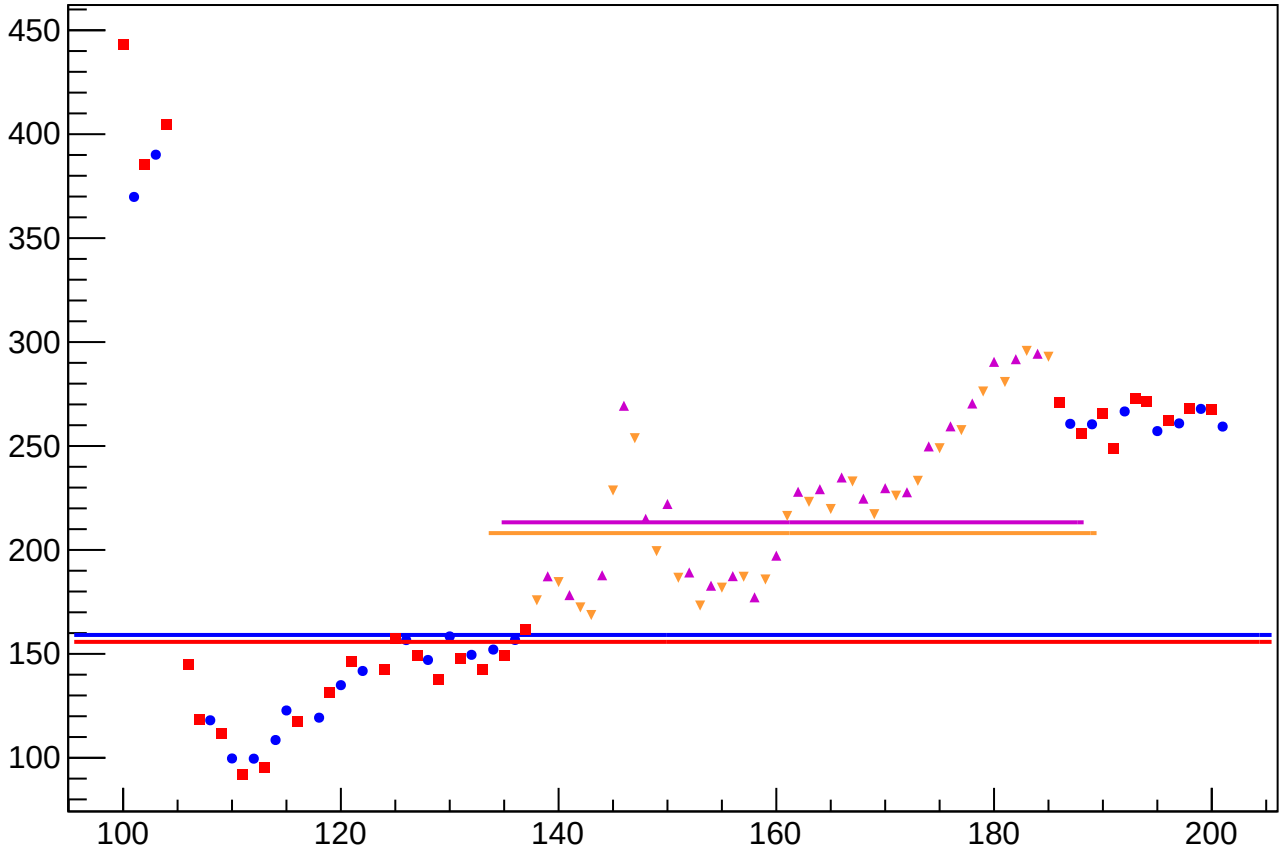
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139992.713+/-0.035 χ^2/NDF: 17600519207.

All: 139808.295+/-0.024 χ^2/NDF: 34709098

- sign 139626.096+/-0.034 χ^2/NDF: 17052059498.

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

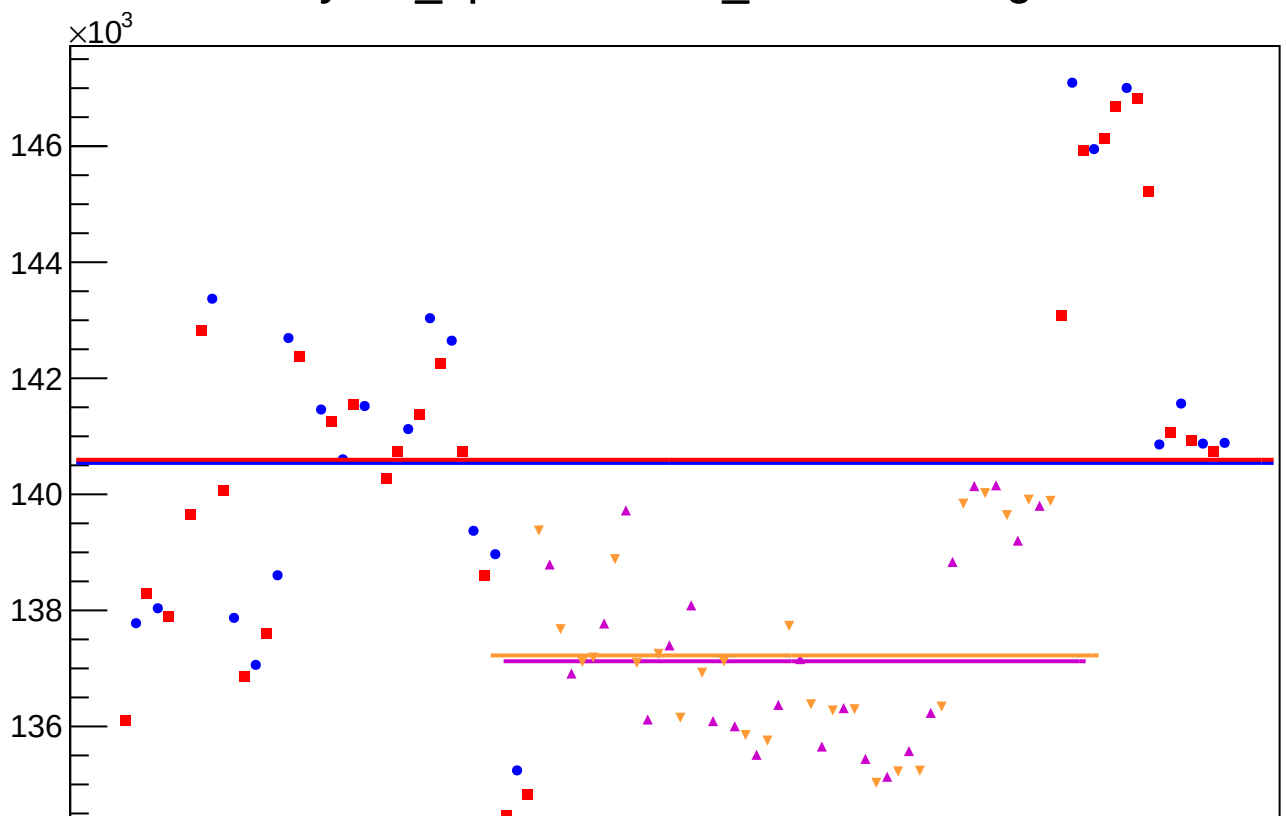
Right Out: 155.777+/-0.033 χ^2/NDF: 4111151.4/27

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 184.194+/-0.024 χ^2/NDF: 5300702.2/47

All: 183.086+/-0.017 χ^2/NDF: 11669832.6/98

- sign 181.990+/-0.024 χ^2/NDF: 6365044.3/50



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: 140595.798+/-0.052 χ^2/NDF: 3239167242.3/27

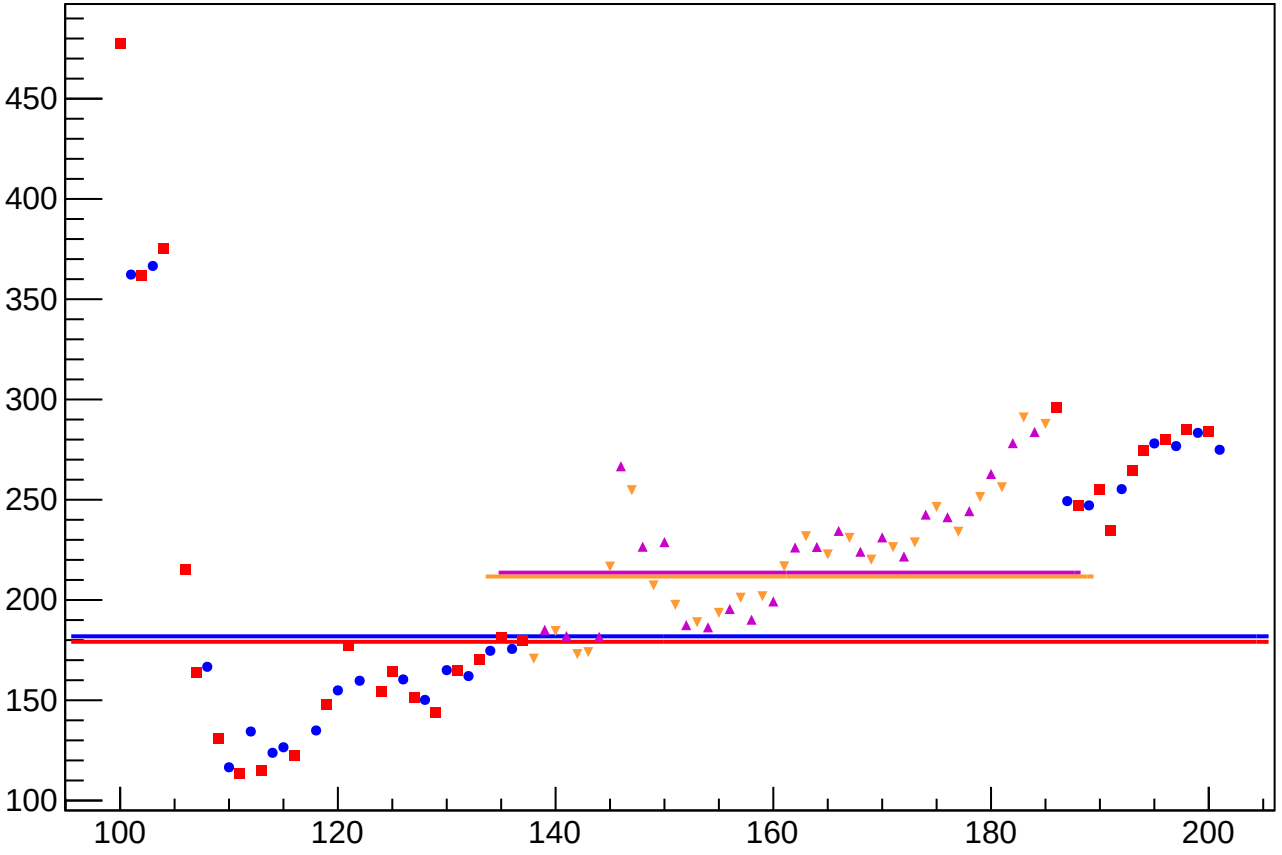
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138680.841+/-0.037 χ^2/NDF: 5711938459.9

All: 138745.667+/-0.026 χ^2/NDF: 12077129

- sign 138809.718+/-0.037 χ^2/NDF: 6358998602.4/

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

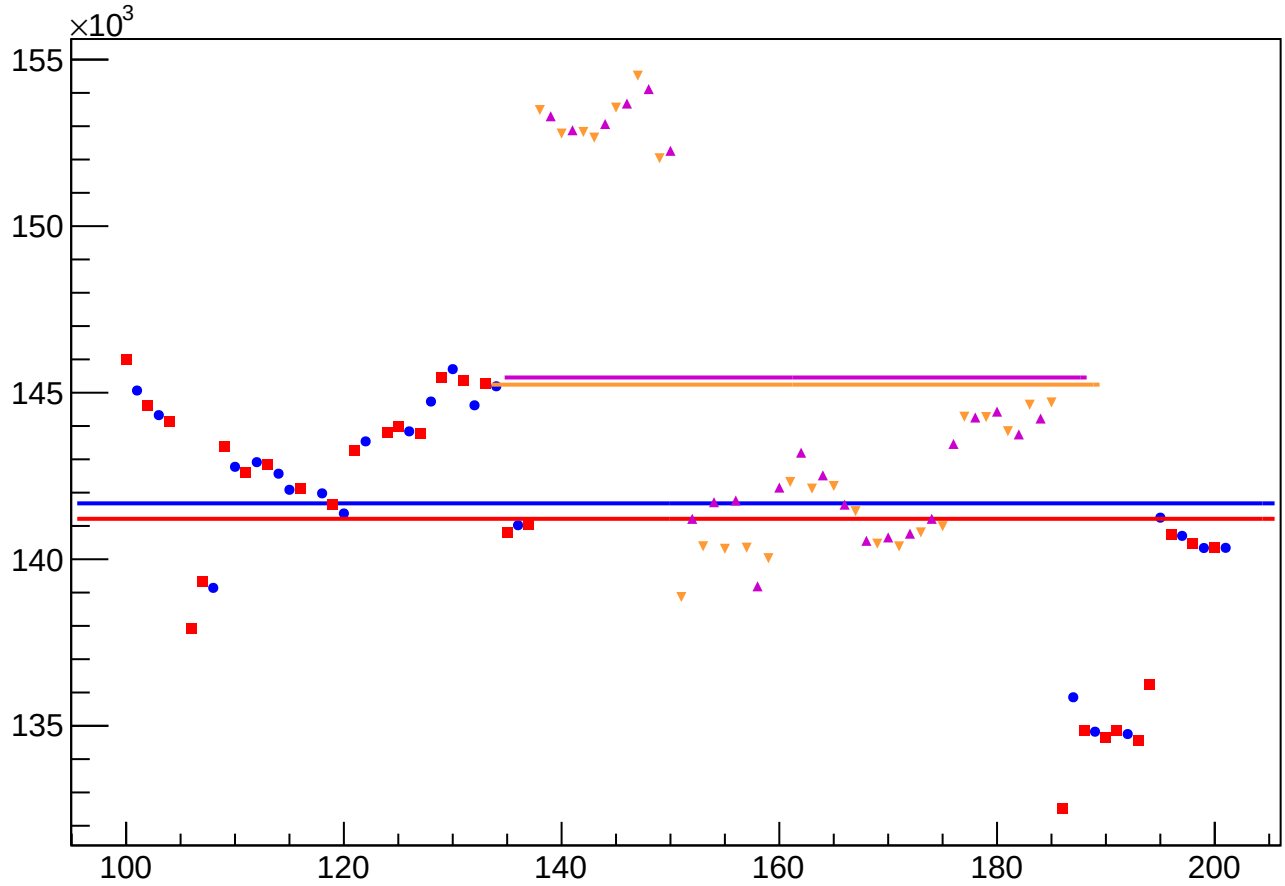
Right Out: 179.159+/-0.037 χ^2/NDF: 3053339.3/27

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 198.619+/-0.026 χ^2/NDF: 3384270.6/47

All: 197.752+/-0.018 χ^2/NDF: 7506744.2/98

- sign 196.896+/-0.026 χ^2/NDF: 4120261.3/50



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: 141214.443+/-0.052 χ^2/NDF: 4378805847.8/27

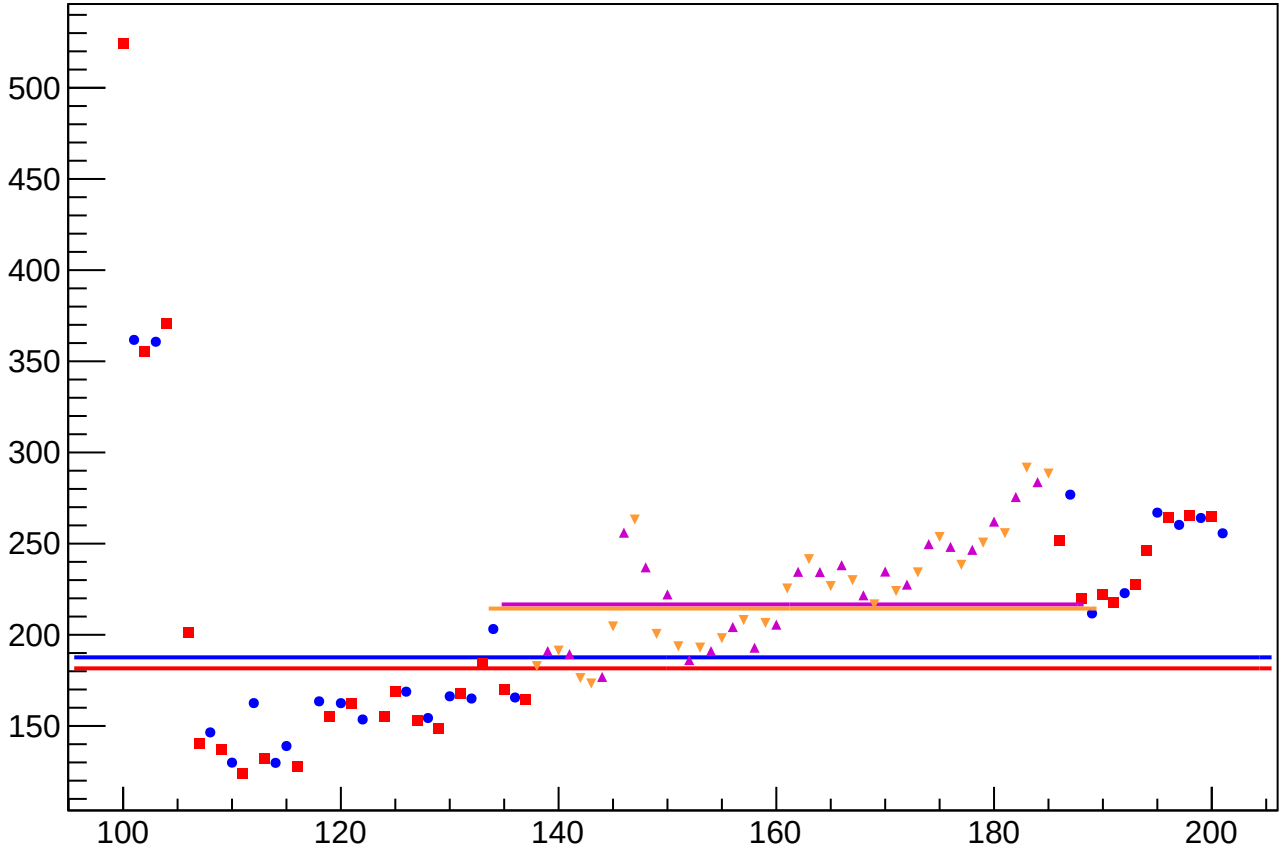
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143685.359+/-0.037 χ^2/NDF: 18018587372.

All: 143520.111+/-0.026 χ^2/NDF: 3685294

- sign 143359.770+/-0.037 χ^2/NDF: 18795556037.

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

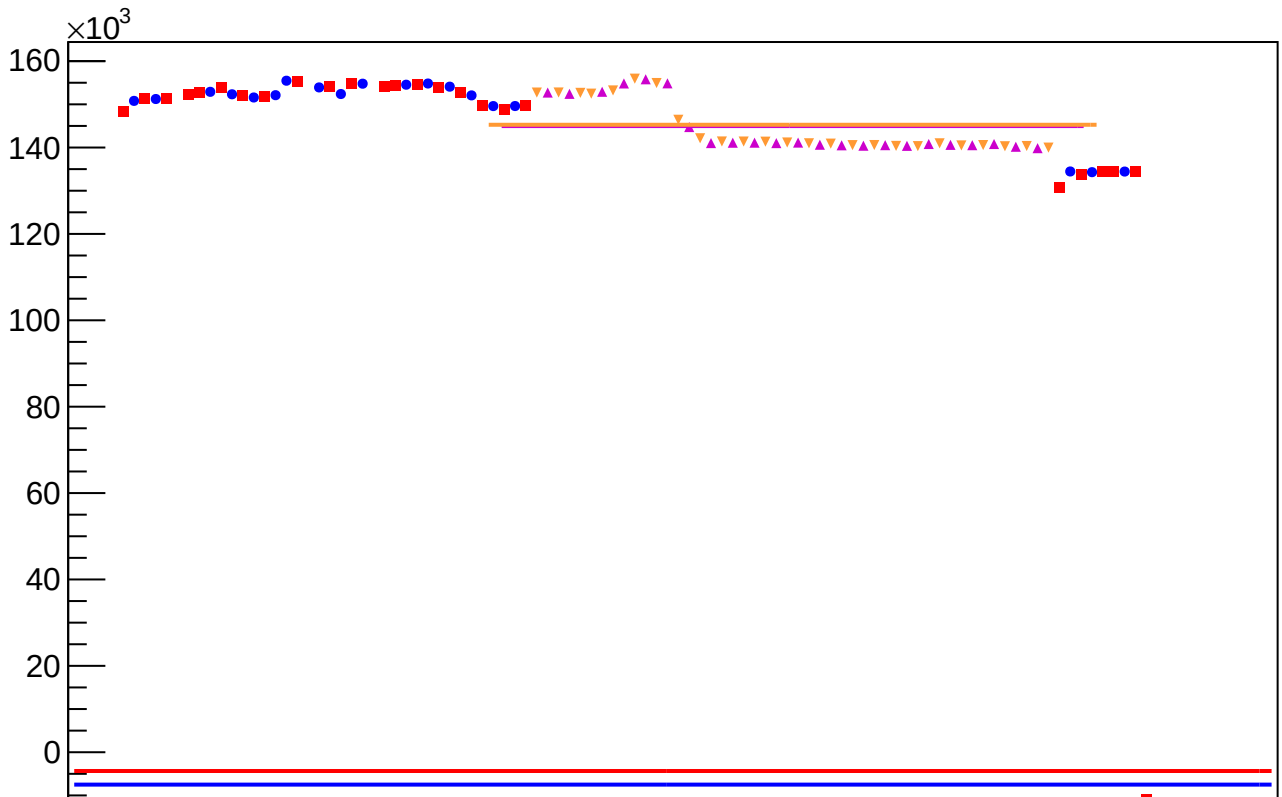
Right Out: 181.598+/-0.037 χ^2/NDF: 2161777.8/27

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 202.703+/-0.026 χ^2/NDF: 2612300.0/47

All: 200.989+/-0.018 χ^2/NDF: 5826250.1/98

- sign 199.326+/-0.026 χ^2/NDF: 3205604.5/50



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: -4344.444+/-0.014 χ^2/NDF: 6890591336208.2/27

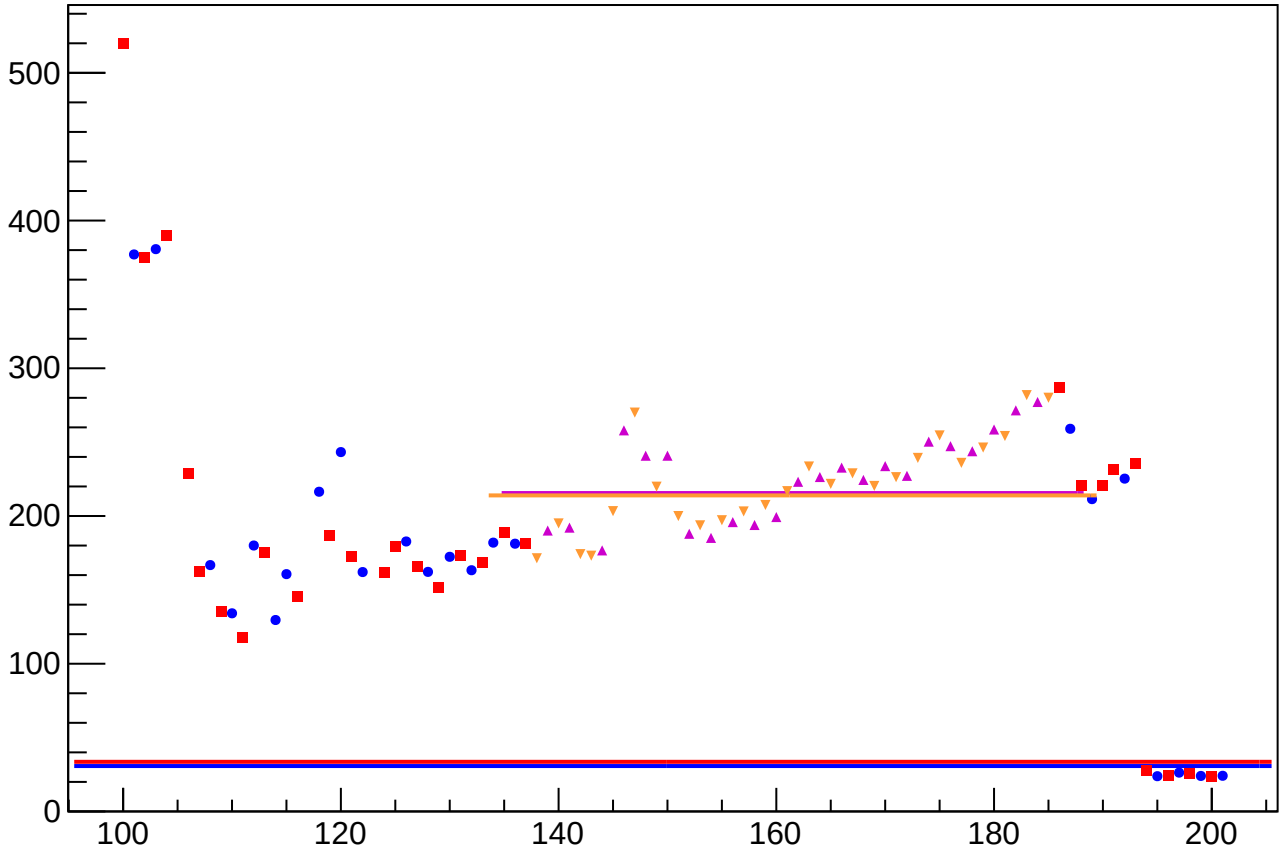
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 2539.122+/-0.013 χ^2/NDF: 14707803331594

All: 4293.465+/-0.009 χ^2/NDF: 2954724982

- sign 6349.175+/-0.014 χ^2/NDF: 14797735800879

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

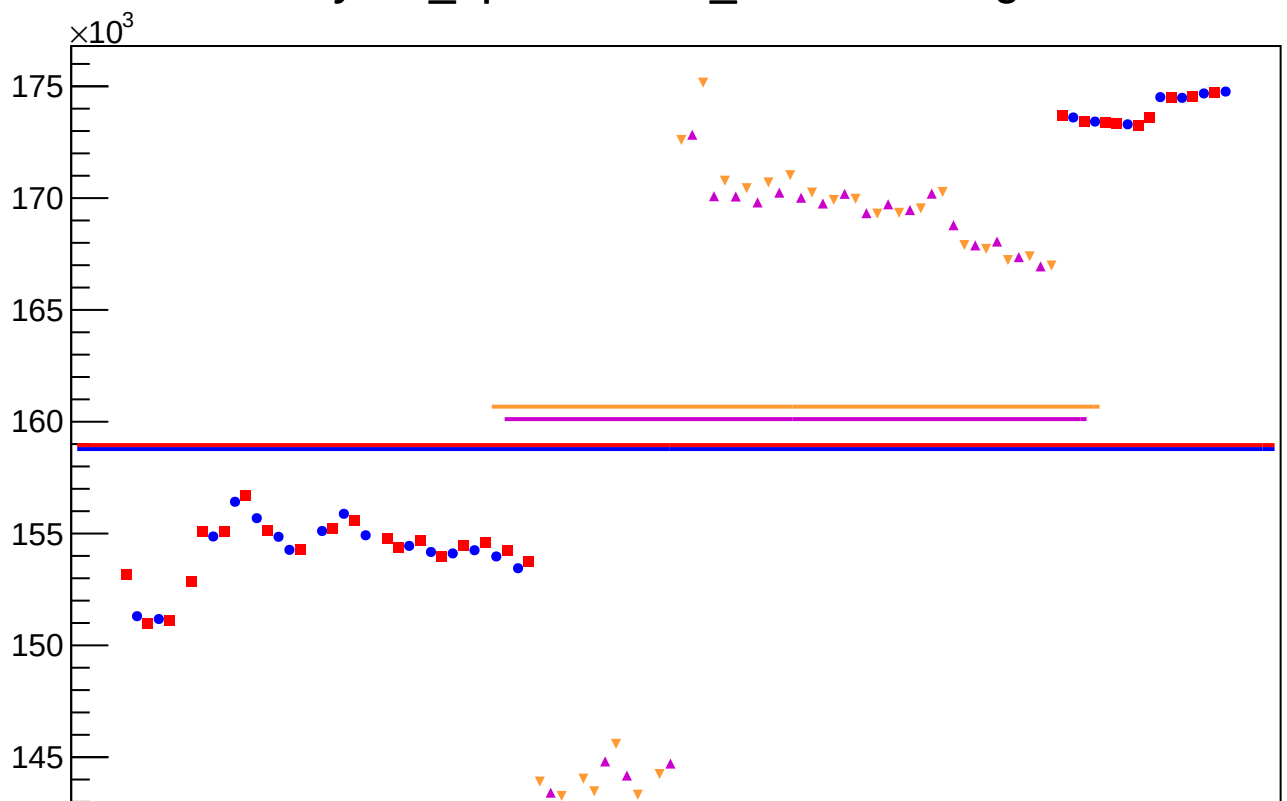
Right Out: 33.608+/-0.010 χ^2/NDF: 13915115.5/27

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 42.774+/-0.009 χ^2/NDF: 38773611.7/47

All: 44.553+/-0.007 χ^2/NDF: 76814961.4/98

- sign 46.638+/-0.010 χ^2/NDF: 37955569.2/50



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: 158955.145+/-0.054 χ^2/NDF: 21626946466.9/27

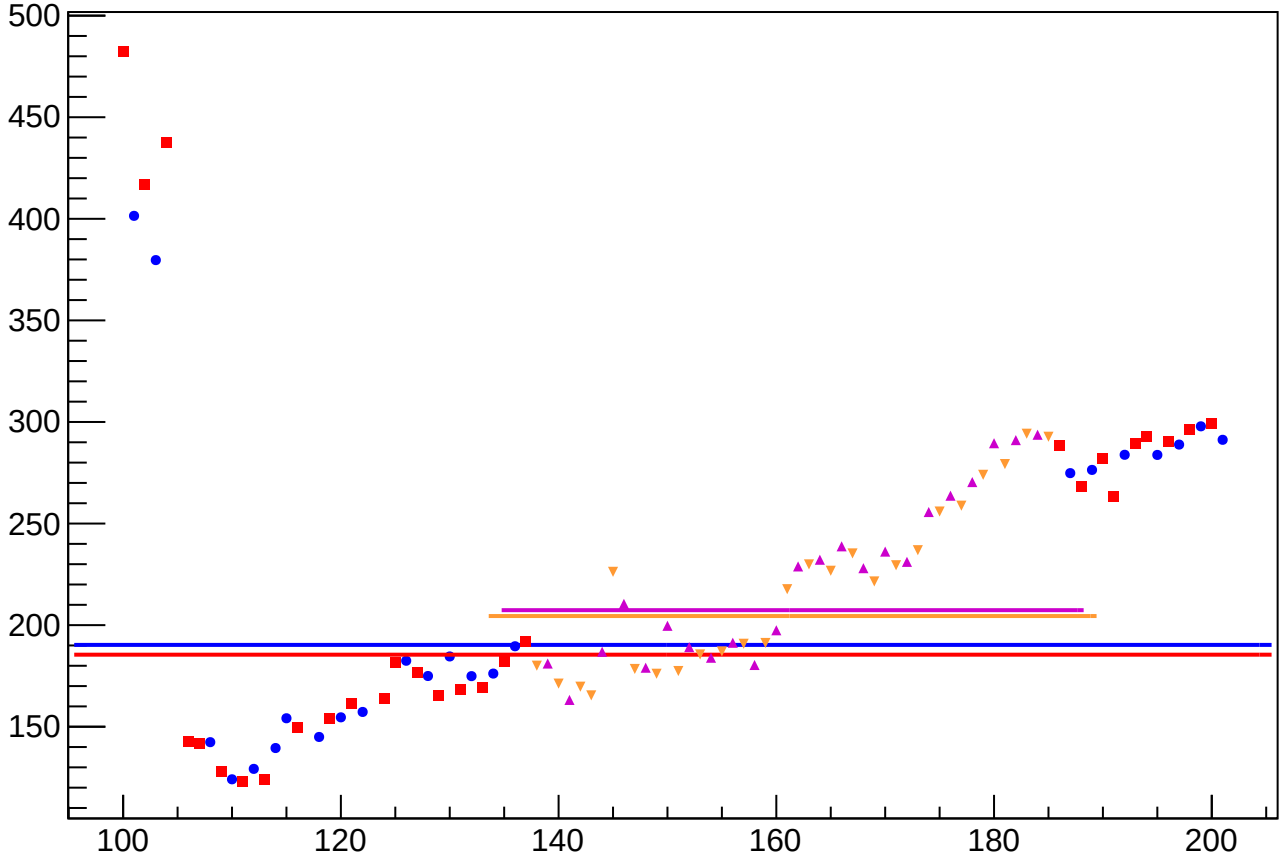
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 159915.652+/-0.037 χ^2/NDF: 93598679915.

All: 159750.690+/-0.026 χ^2/NDF: 18207113

- sign 159588.000+/-0.036 χ^2/NDF: 88432334239.7

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

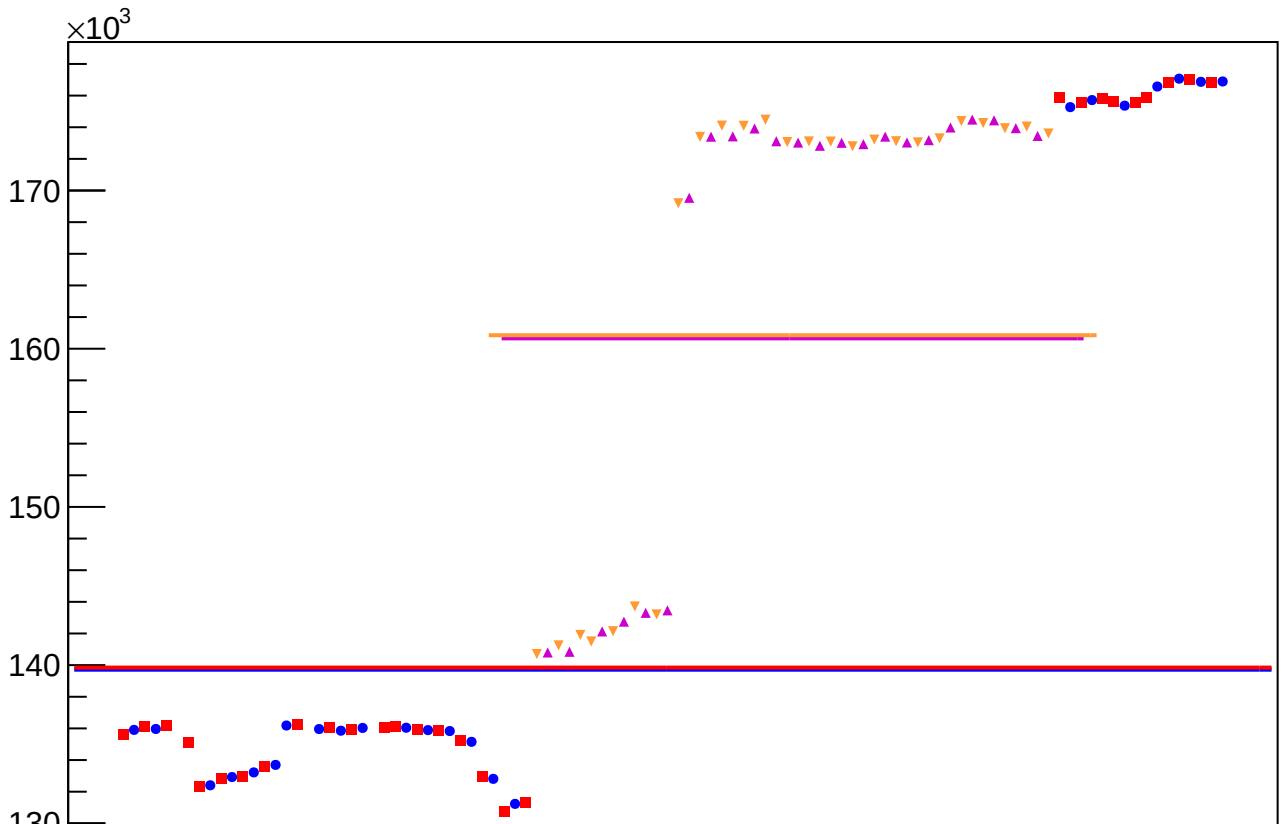
Right Out: 185.458+/-0.038 χ^2/NDF: 3229098.6/27

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

\+ sign 198.793+/-0.026 χ^2/NDF: 3679283.7/47

All: 198.085+/-0.018 χ^2/NDF: 8045730.3/98

\- sign 197.388+/-0.026 χ^2/NDF: 4364971.1/50



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: 139844.718+/-0.045 χ^2/NDF: 104303178239.8/27

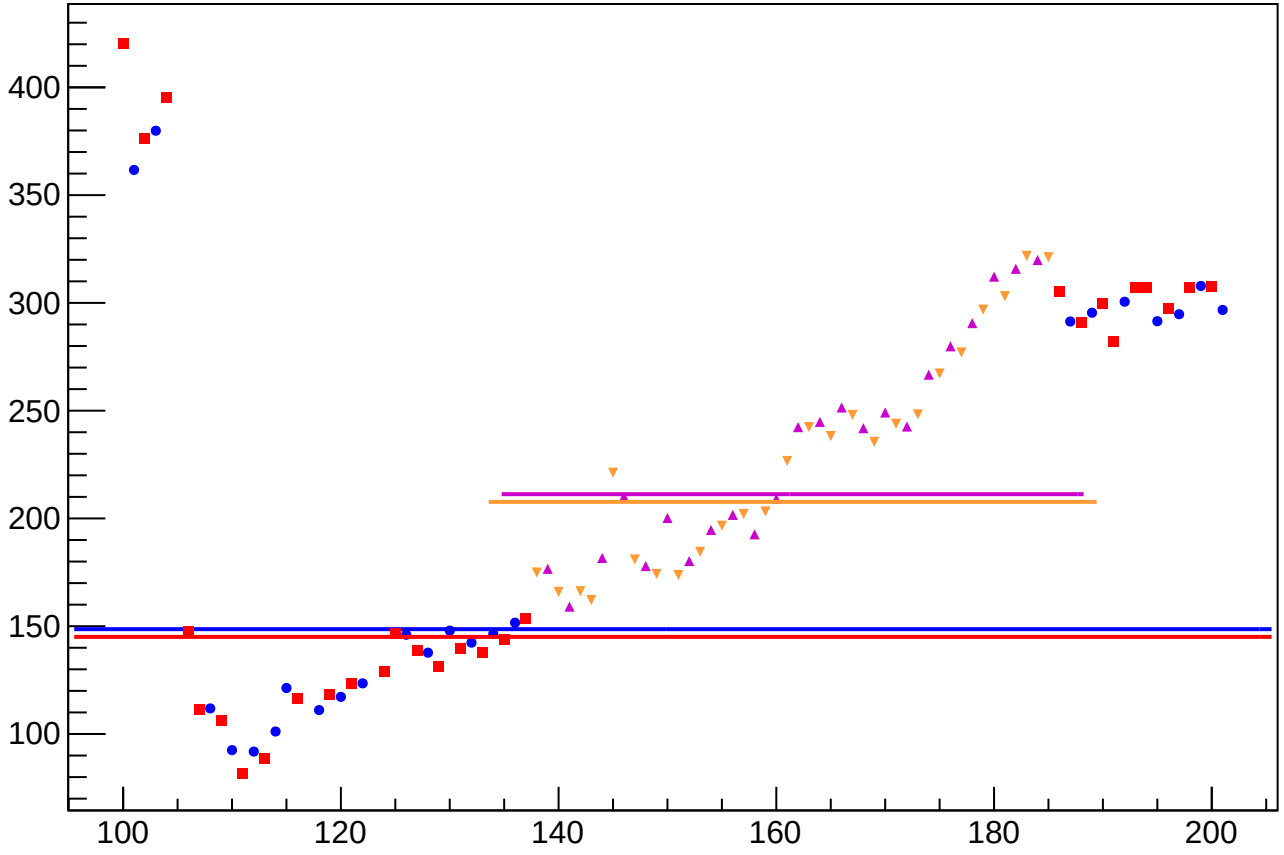
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 150061.387+/-0.034 χ^2/NDF: 286234236407

All: 149498.242+/-0.024 χ^2/NDF: 576343986

- sign 148948.763+/-0.033 χ^2/NDF: 289564106247

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

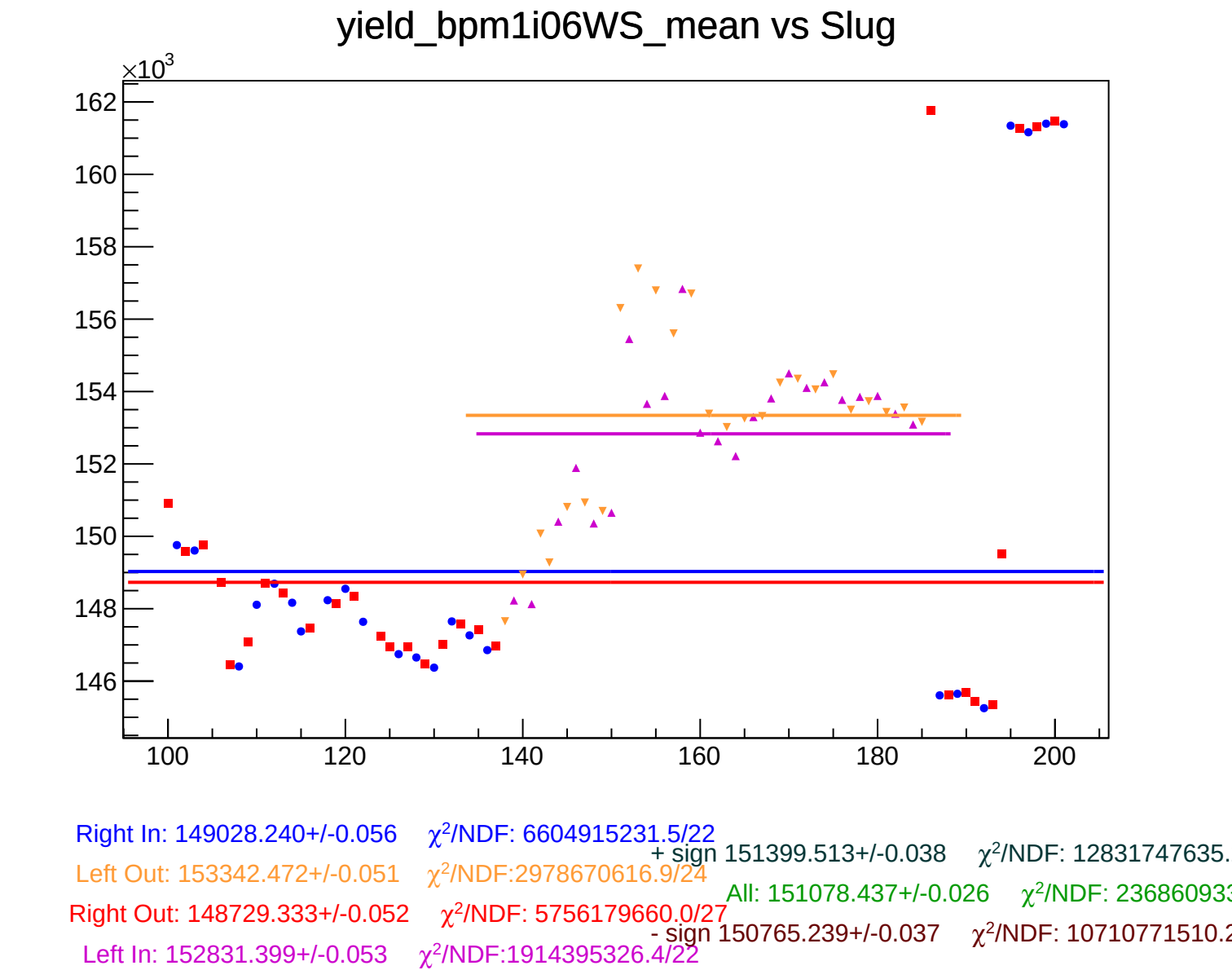
Right Out: 145.046+/-0.032 χ^2/NDF: 5461727.9/27

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

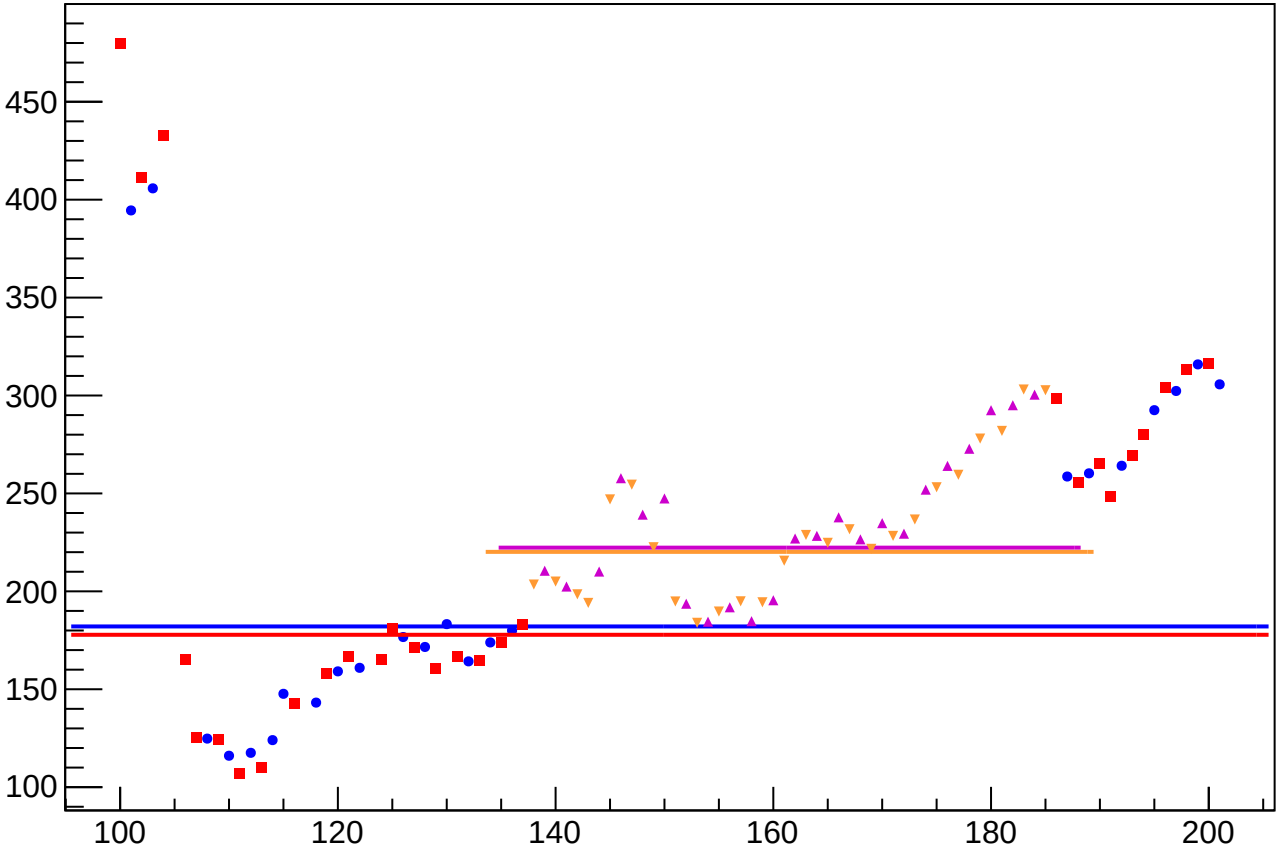
+ sign 177.548+/-0.024 χ^2/NDF: 7425223.6/47

All: 175.759+/-0.017 χ^2/NDF: 16129283.2/98

- sign 174.012+/-0.024 χ^2/NDF: 8693035.8/50


yield_bpm1i06WS_mean vs Slug
×10^3
162
160
158
156
154
152
150
148
146
100
120
140
160
180
200
Right In: 149028.240+/-0.056 χ²/NDF: 6604915231.5/22
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 148729.333+/-0.052 χ²/NDF: 5756179660.0/27
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
+ sign 151399.513+/-0.038 χ²/NDF: 12831747635.
All: 151078.437+/-0.026 χ²/NDF: 23686093
- sign 150765.239+/-0.037 χ²/NDF: 10710771510.2

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

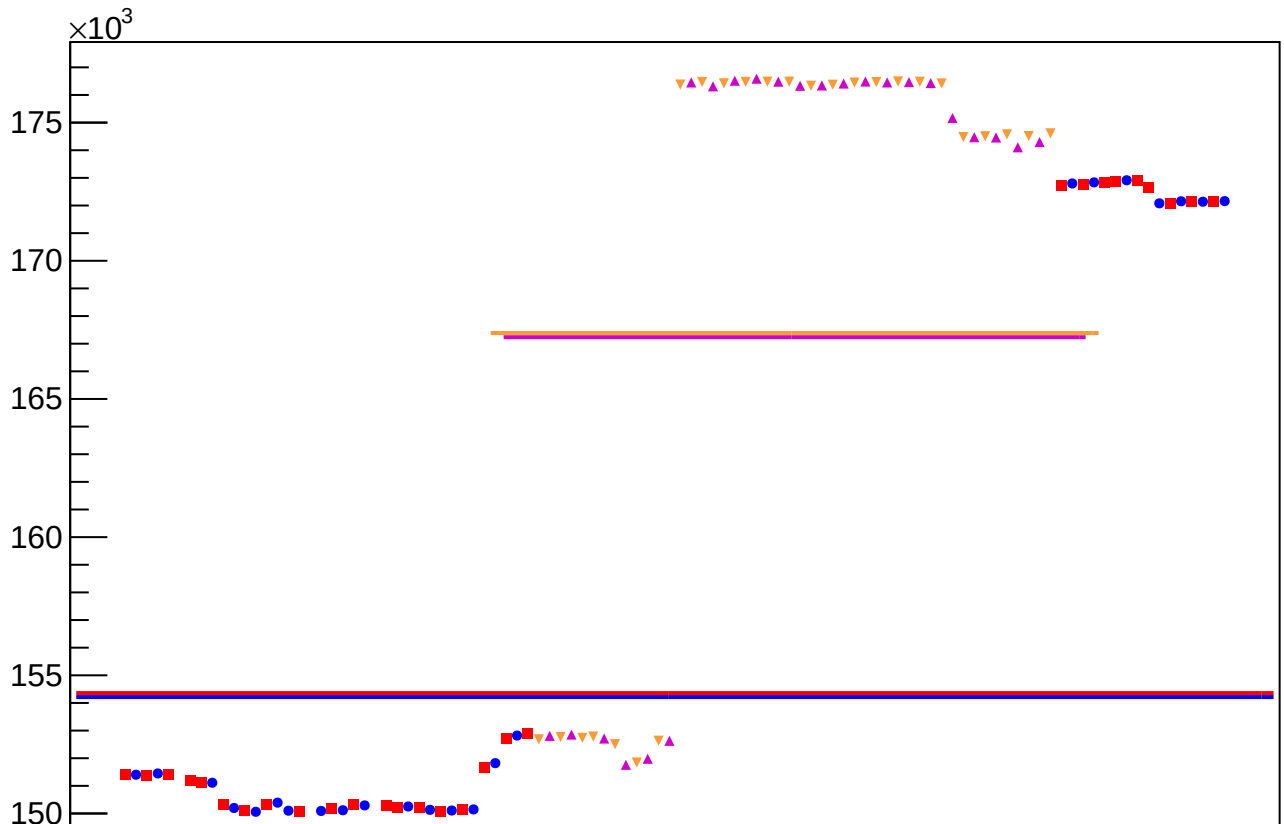
Right Out: 177.810+/-0.037 χ^2/NDF: 3669100.6/27

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 203.005+/-0.027 χ^2/NDF: 4191953.4/47

All: 201.429+/-0.019 χ^2/NDF: 9280955.0/98

- sign 199.893+/-0.026 χ^2/NDF: 5082090.6/50



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: 154357.866+/-0.046 χ^2/NDF: 32273038681.3/27

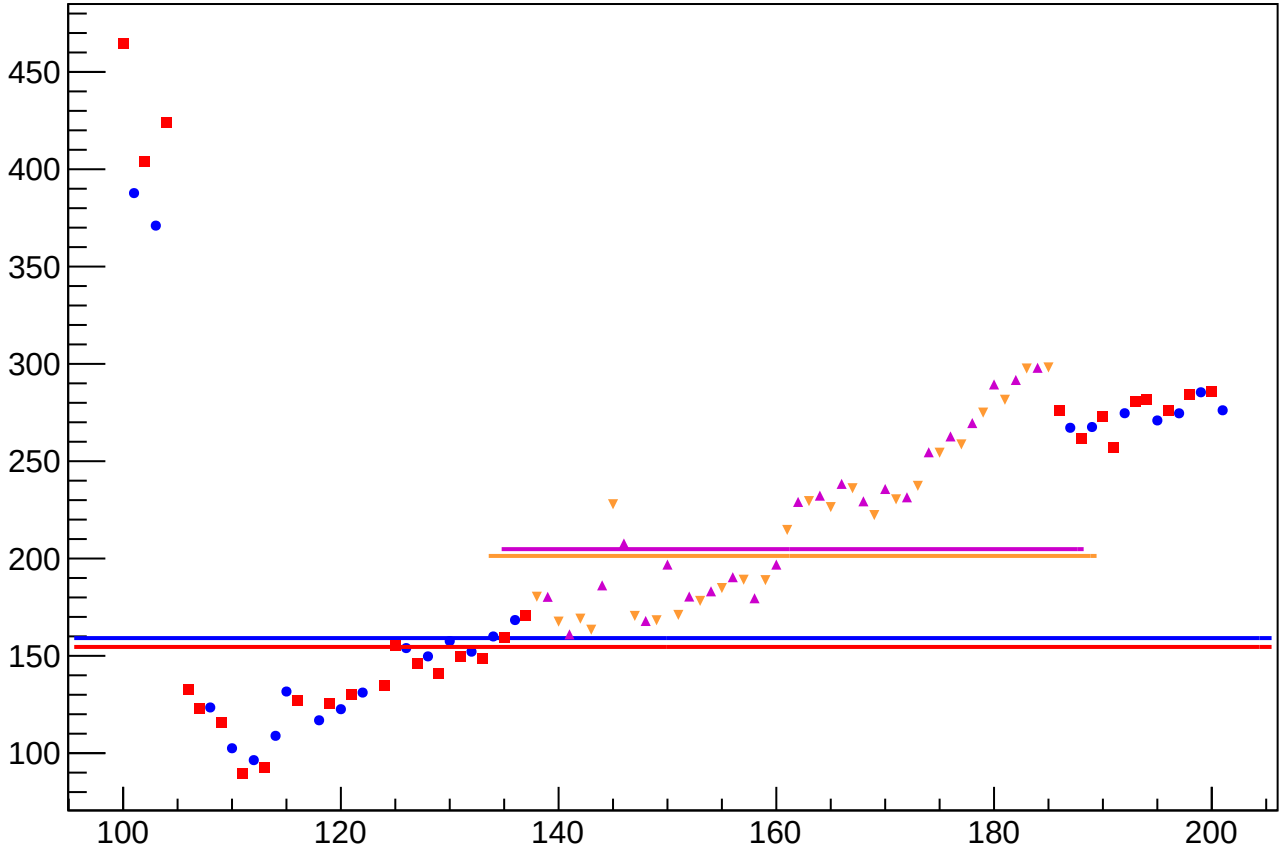
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161222.920+/-0.034 χ^2/NDF: 12367829972

All: 160835.114+/-0.024 χ^2/NDF: 2478416

- sign 160457.584+/-0.034 χ^2/NDF: 12390797043

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

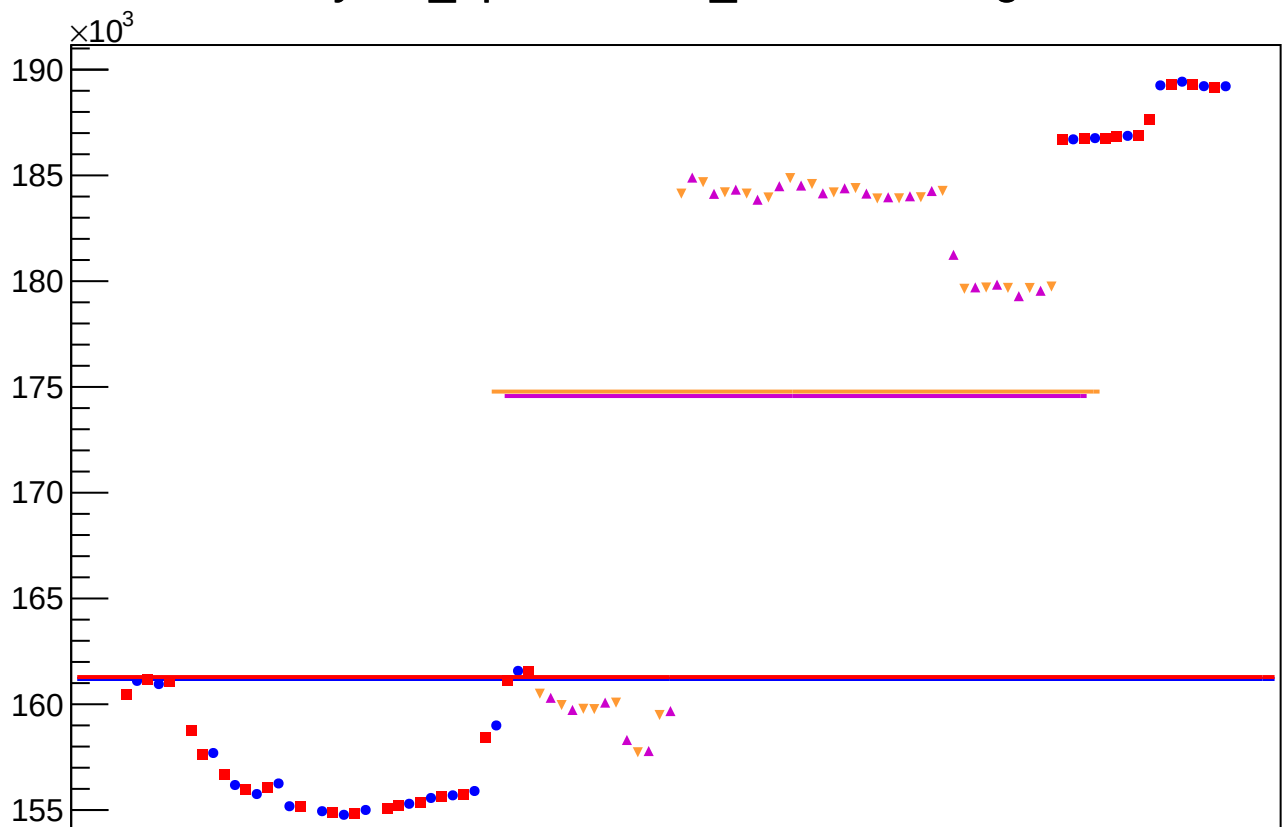
Right Out: 154.569+/-0.033 χ^2/NDF: 4507252.8/27

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 181.583+/-0.024 χ^2/NDF: 5579610.3/47

All: 179.958+/-0.017 χ^2/NDF: 12262117.6/98

- sign 178.376+/-0.024 χ^2/NDF: 6673541.1/50



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: 161285.718+/-0.049 χ^2/NDF: 54893868807.1/27

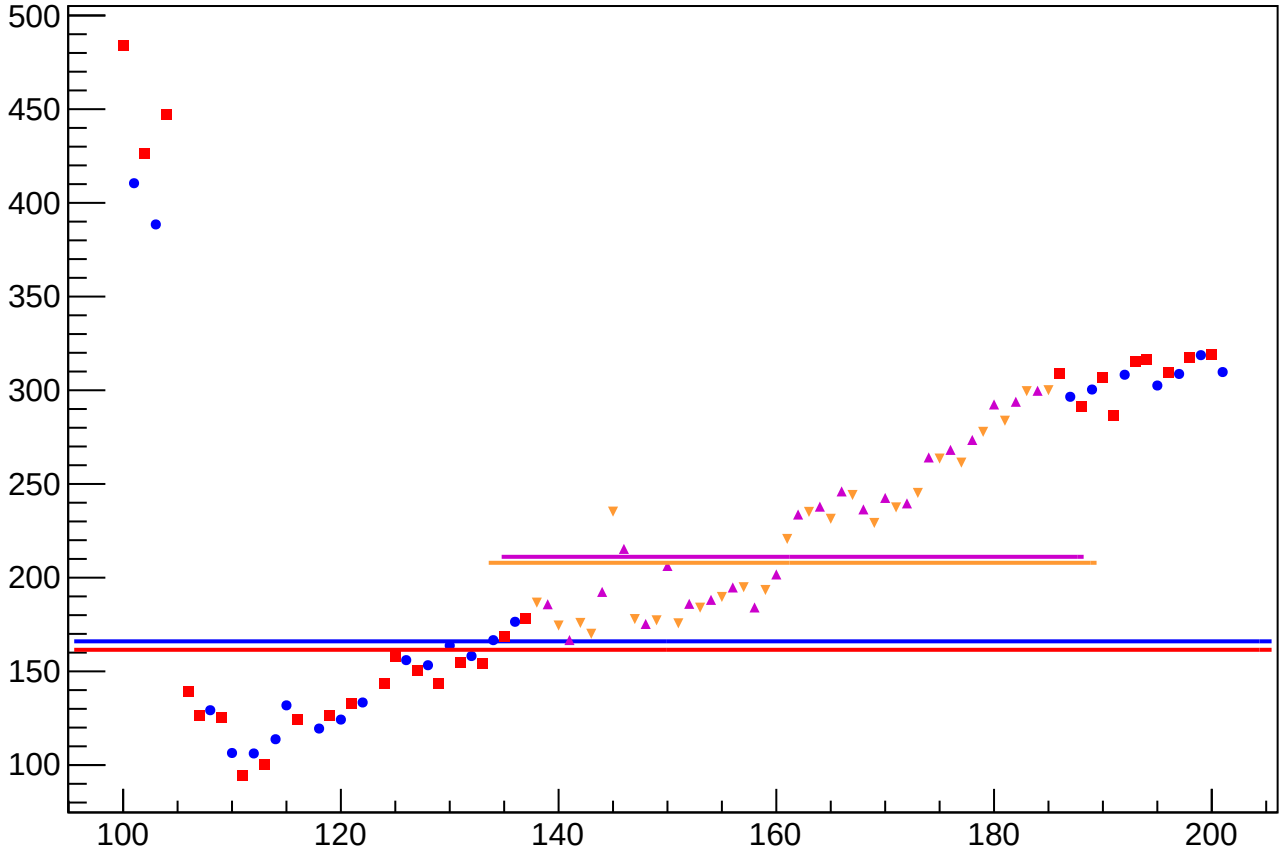
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 168560.069+/-0.035 χ^2/NDF: 14256901030

All: 168141.294+/-0.025 χ^2/NDF: 2883454

- sign 167732.583+/-0.035 χ^2/NDF: 14550140631

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: 161.509+/-0.035 χ^2/NDF: 4898244.5/27

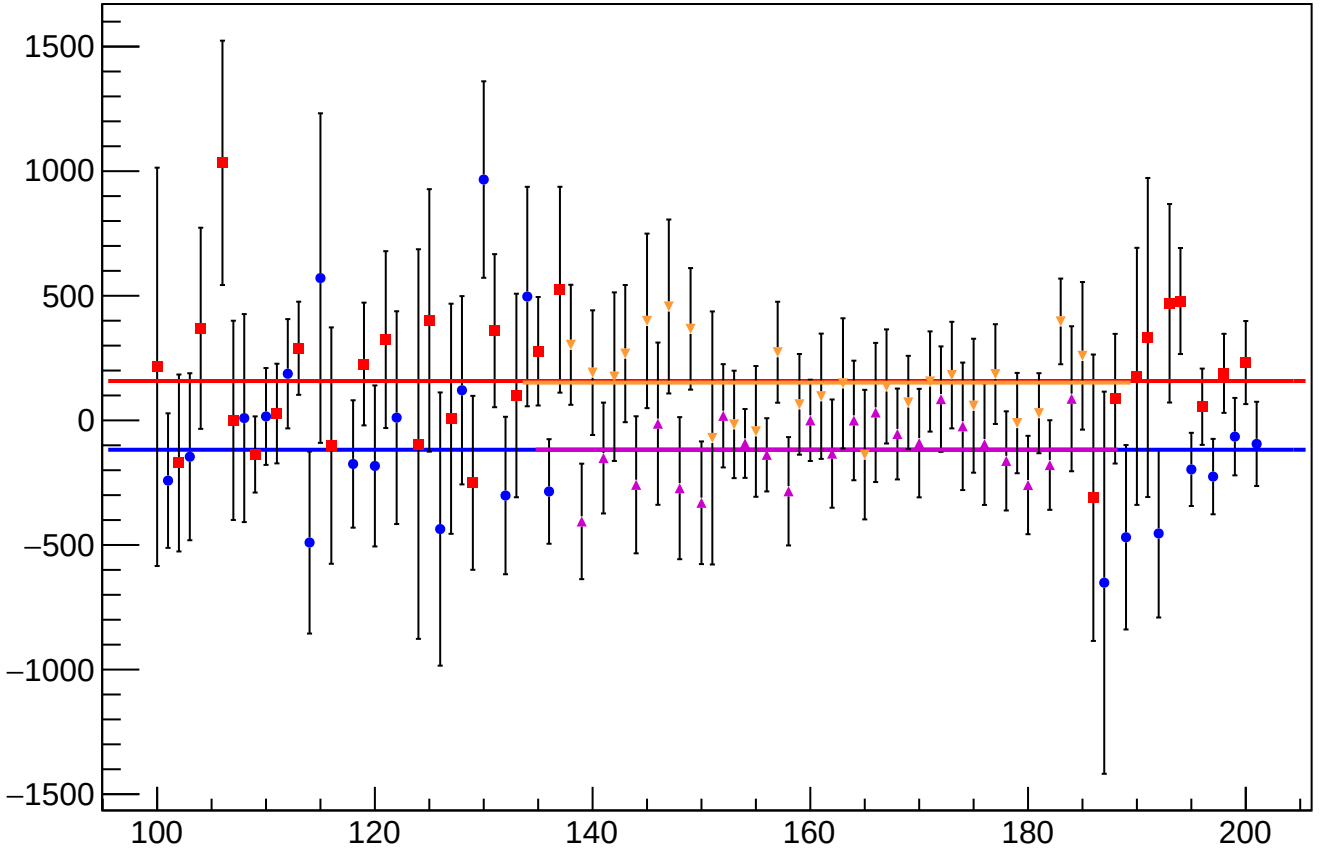
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 188.751+/-0.025 χ^2/NDF: 5753498.0/47

All: 187.152+/-0.018 χ^2/NDF: 12654011.8/98

- sign 185.592+/-0.025 χ^2/NDF: 6892494.1/50

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: 158.034+/-51.037 χ^2/NDF: 17.4/27

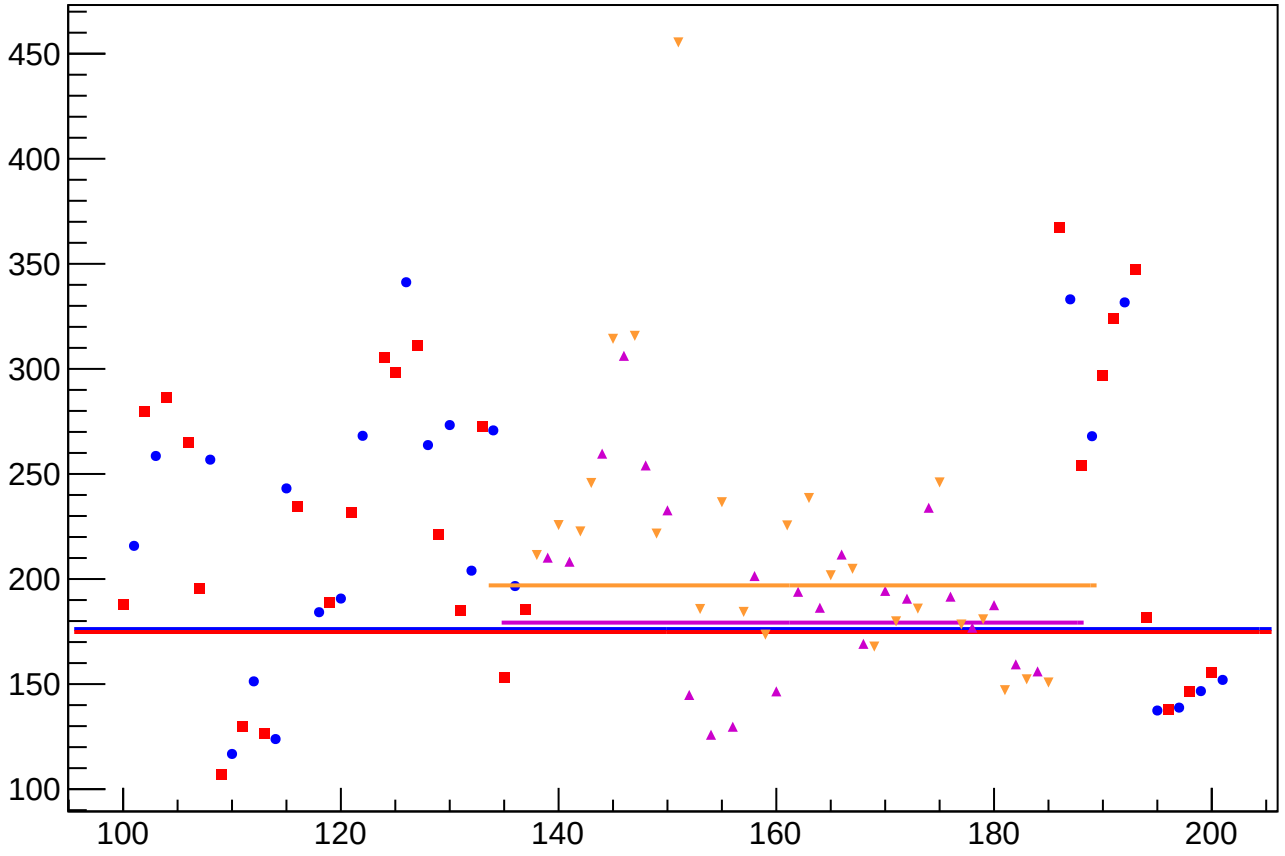
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 34.860+/-34.947 χ^2/NDF: 43.8/47

All: 16.284+/-24.081 χ^2/NDF: 86.0/98

- sign -0.510+/-33.228 χ^2/NDF: 41.7/50

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: 174.790+/-0.036 χ^2/NDF: 2847817.1/27

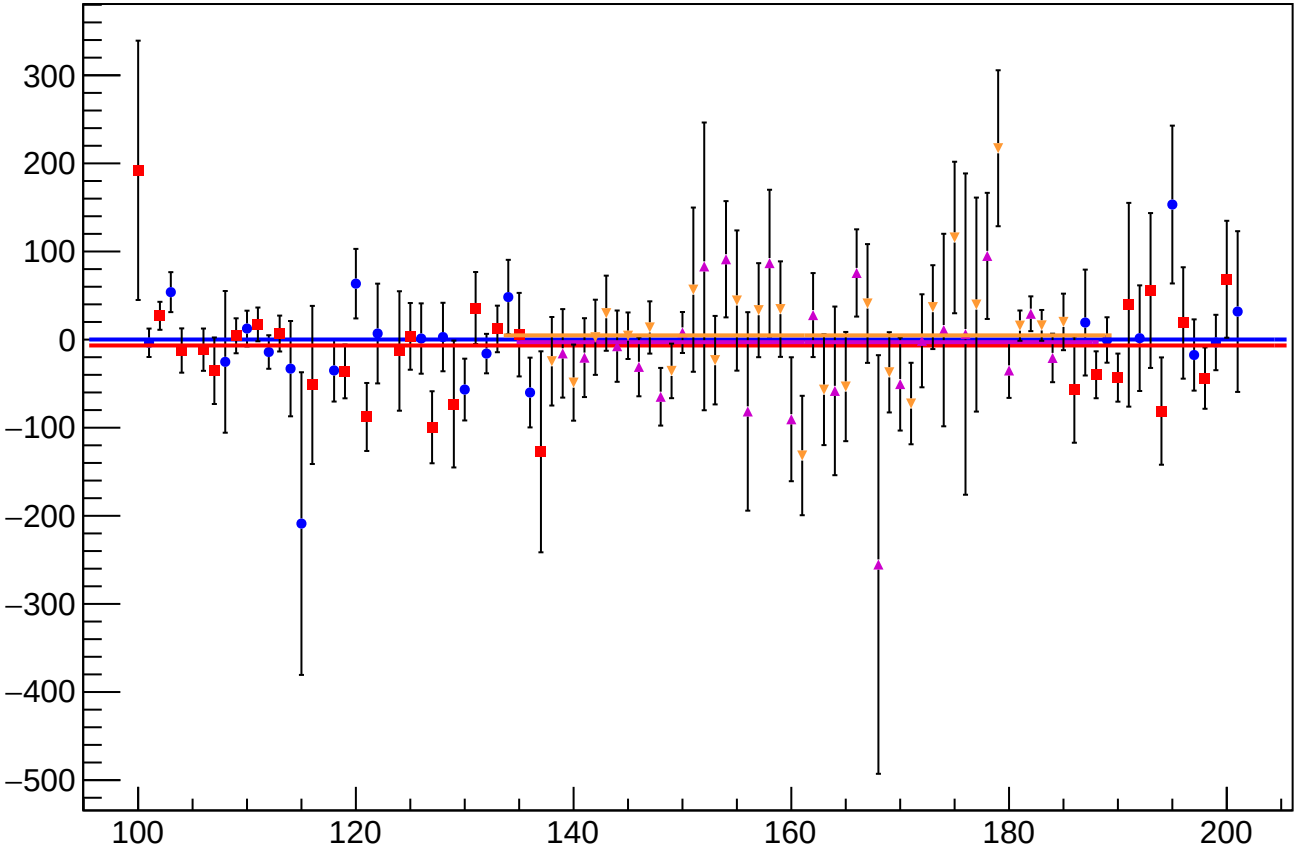
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 187.967+/-0.025 χ^2/NDF: 4138031.8/47

All: 182.398+/-0.017 χ^2/NDF: 8747407.4/98

- sign 177.363+/-0.023 χ^2/NDF: 4512661.8/50

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: -6.676+/-6.126 χ^2/NDF: 32.5/27

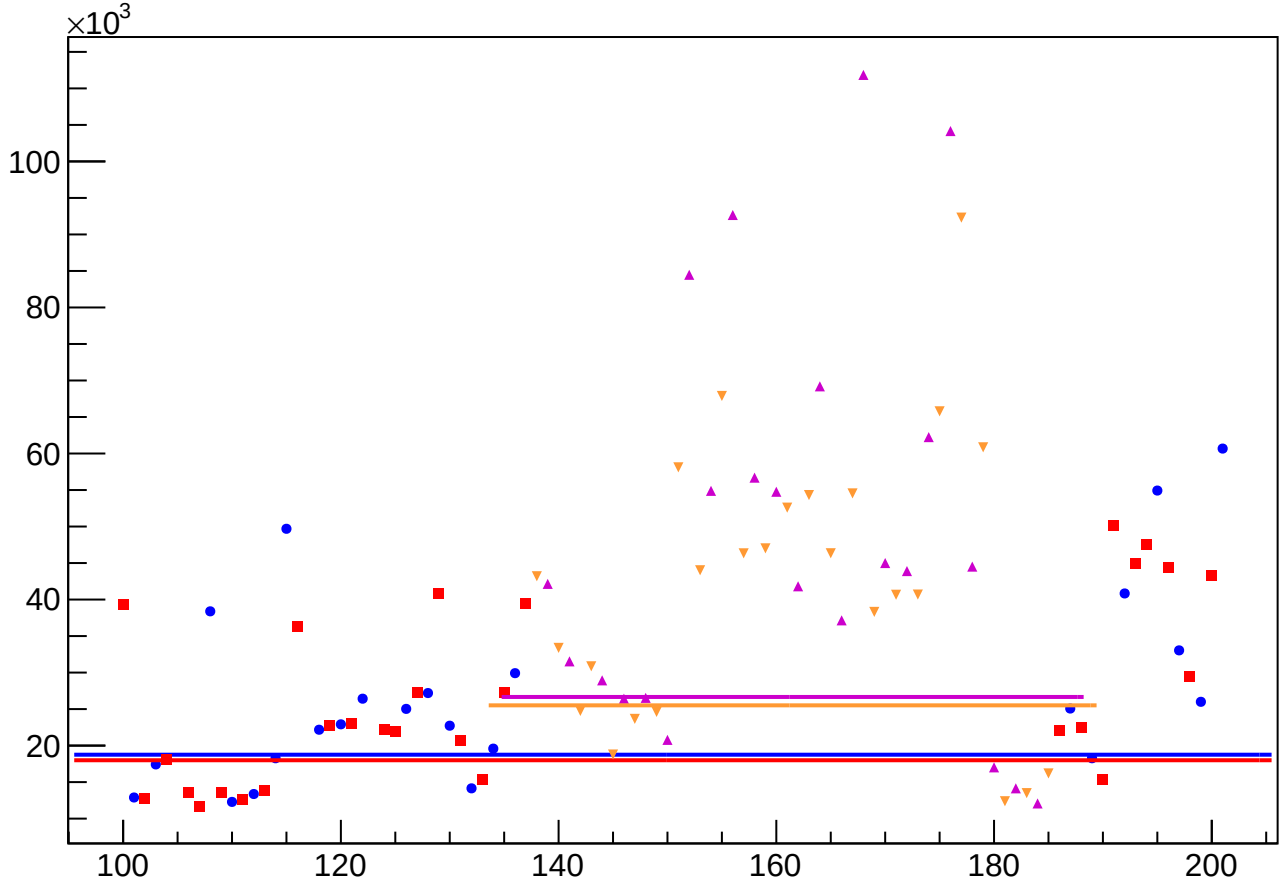
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.151+/-5.013 χ^2/NDF: 46.8/47

All: -1.636+/-3.553 χ^2/NDF: 102.1/98

- sign -5.457+/-5.035 χ^2/NDF: 54.2/50

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: 17992.783+/-4.332 χ^2/NDF: 3150814.1/27

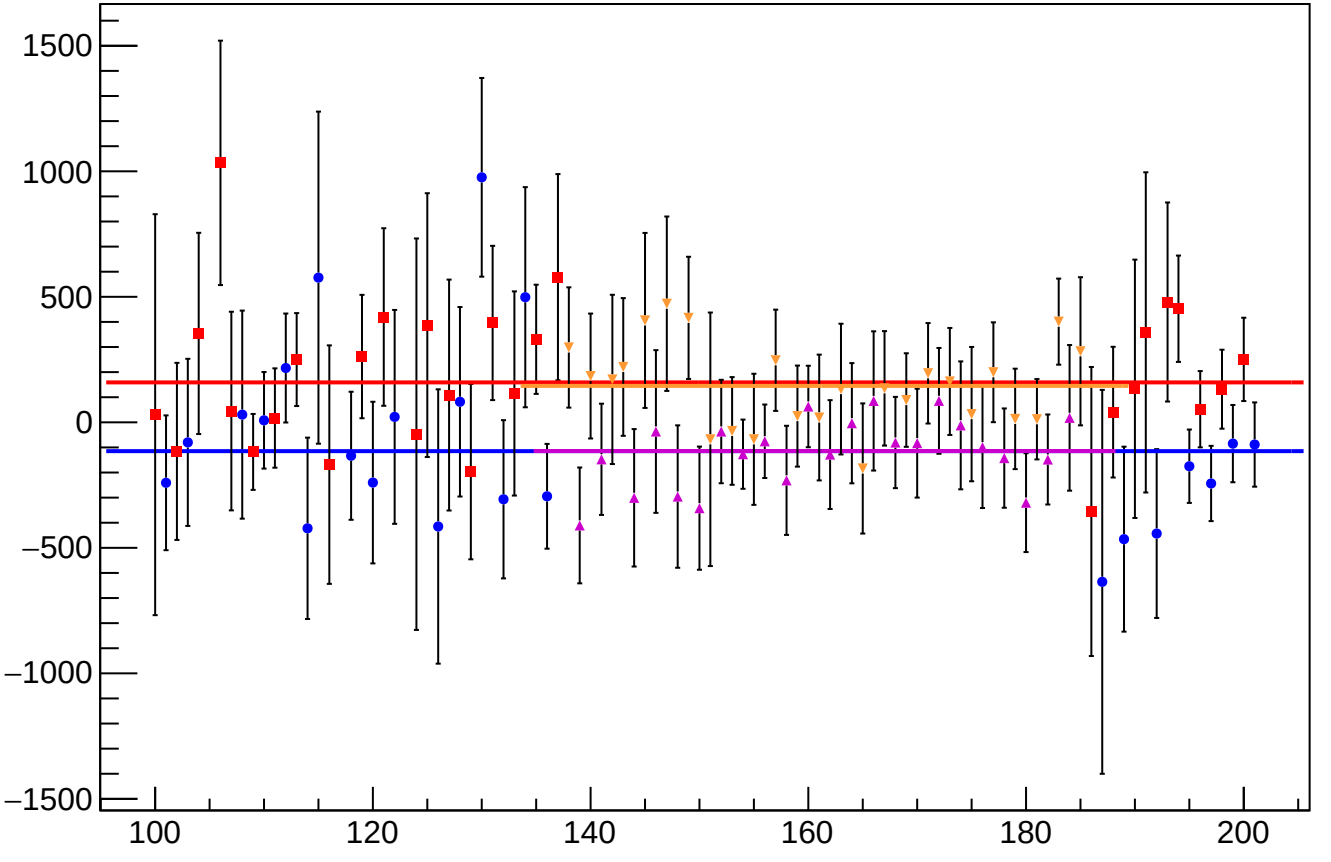
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21692.736+/-3.545 χ^2/NDF: 11345039.1/47

All: 21250.933+/-2.512 χ^2/NDF: 21709246.3

- sign 20805.129+/-3.561 χ^2/NDF: 10332995.4/50

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: 159.028+/-50.737 χ^2/NDF: 17.6/27

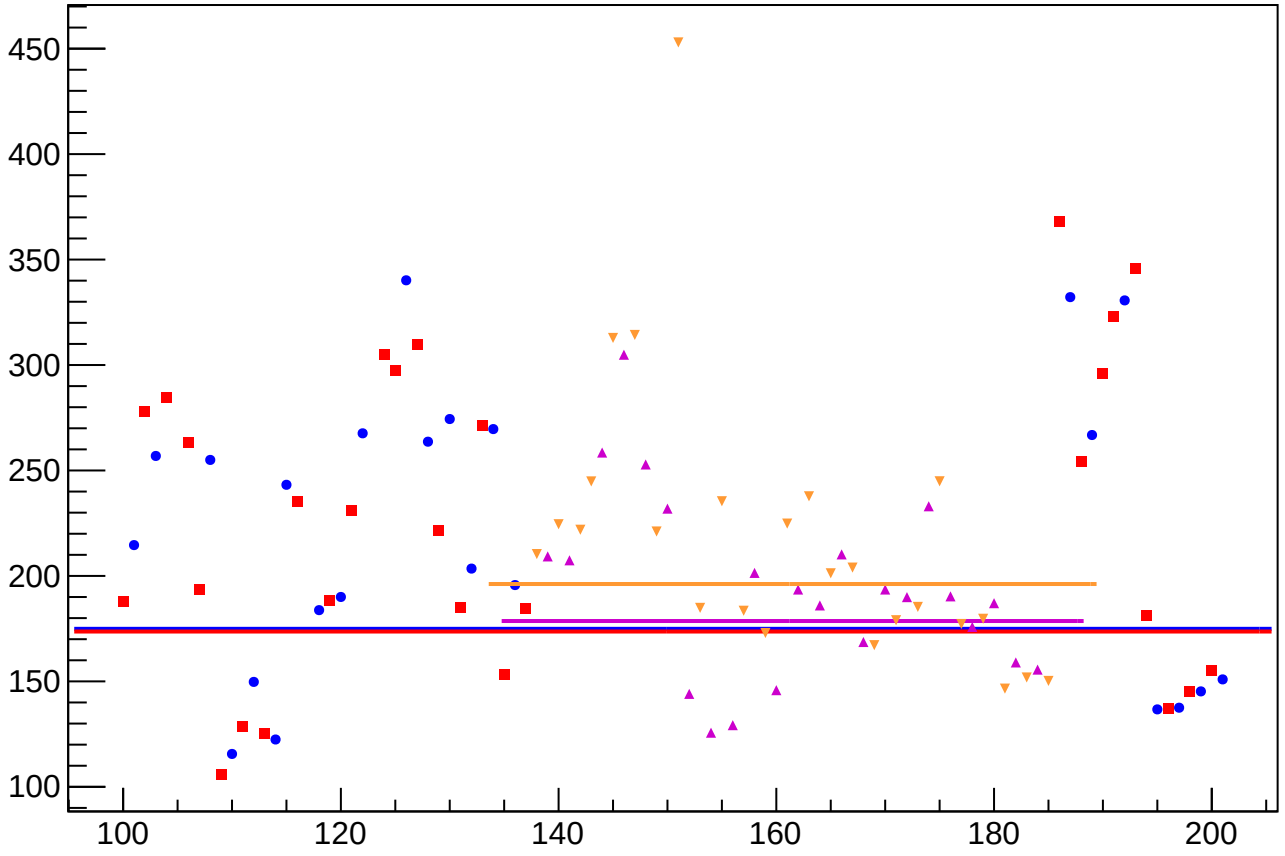
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 32.243+/-34.766 χ^2/NDF: 44.6/47

All: 16.266+/-23.963 χ^2/NDF: 87.7/98

- sign 1.805+/-33.076 χ^2/NDF: 42.6/50

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: 173.637+/-0.036 χ^2/NDF: 2884576.8/27

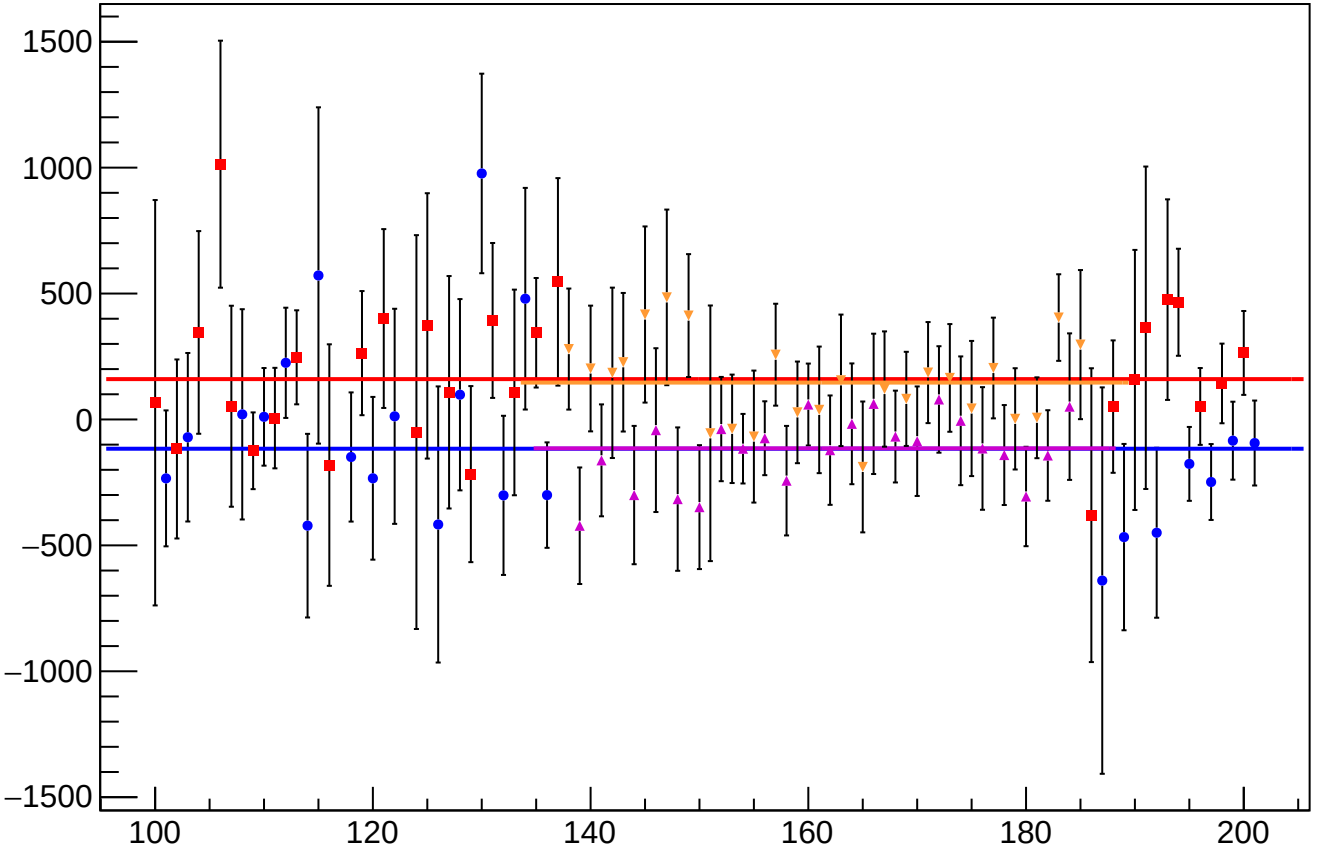
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 186.936+/-0.025 χ^2/NDF: 4175640.1/47

All: 181.460+/-0.017 χ^2/NDF: 8817740.6/98

- sign 176.503+/-0.023 χ^2/NDF: 4547547.5/50

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: 160.199+/-51.005 χ^2/NDF: 17.7/27

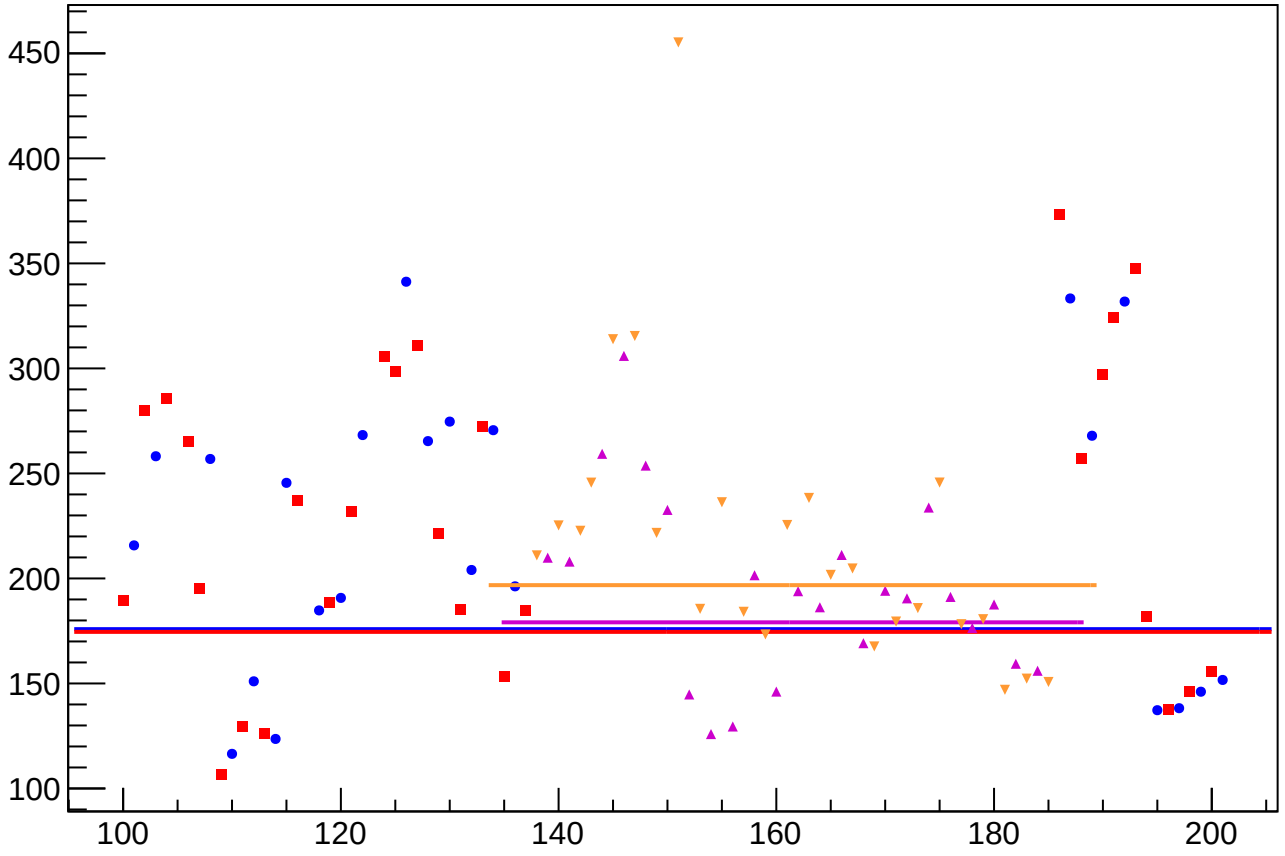
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 32.559+/-34.909 χ^2/NDF: 45.0/47

All: 16.374+/-24.059 χ^2/NDF: 88.3/98

- sign 1.732+/-33.203 χ^2/NDF: 42.9/50

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: 174.565+/-0.036 χ^2/NDF: 2880594.0/27

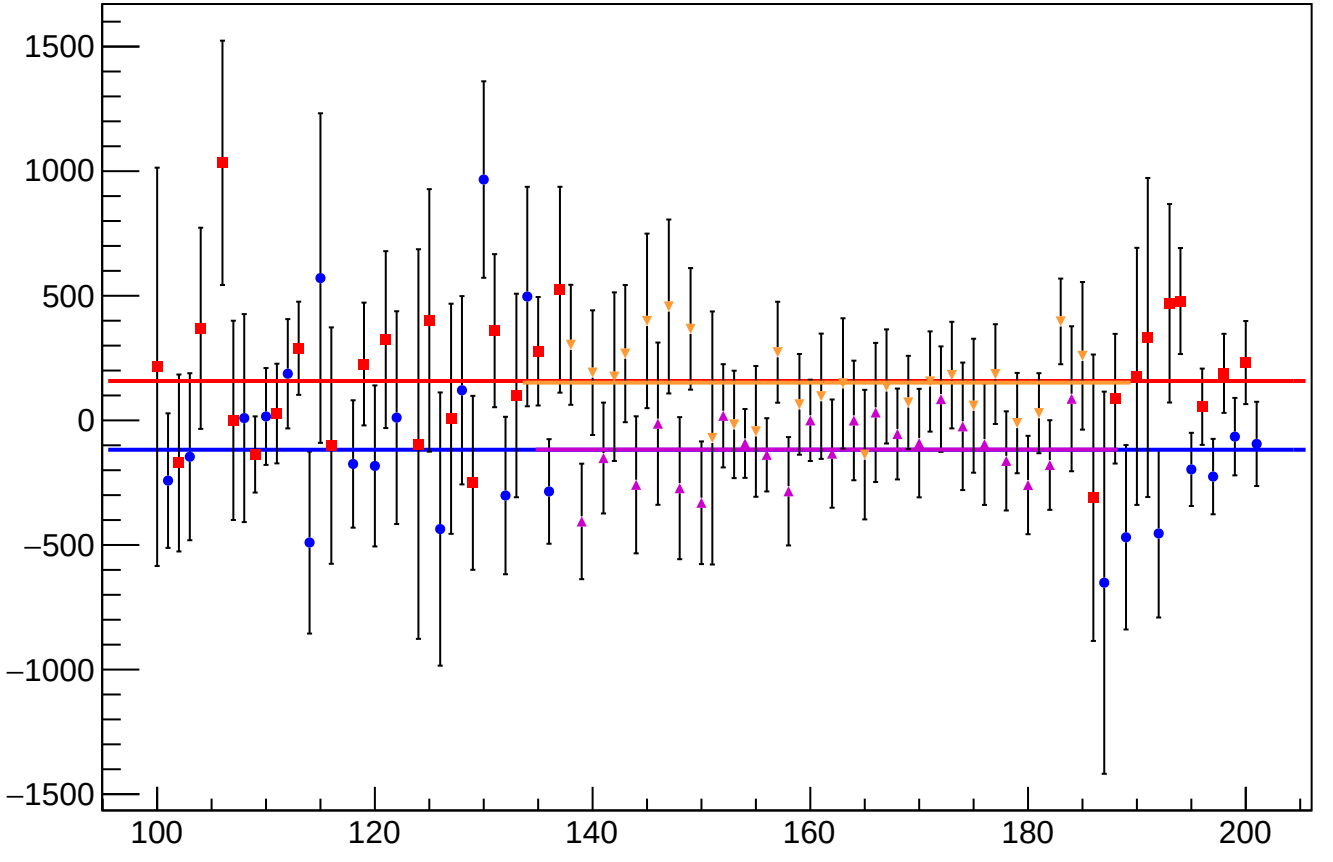
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 187.724+/-0.025 χ^2/NDF: 4160816.1/47

All: 182.188+/-0.017 χ^2/NDF: 8802214.9/98

- sign 177.179+/-0.023 χ^2/NDF: 4545572.6/50

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: 158.034+/-51.037 χ^2/NDF: 17.4/27

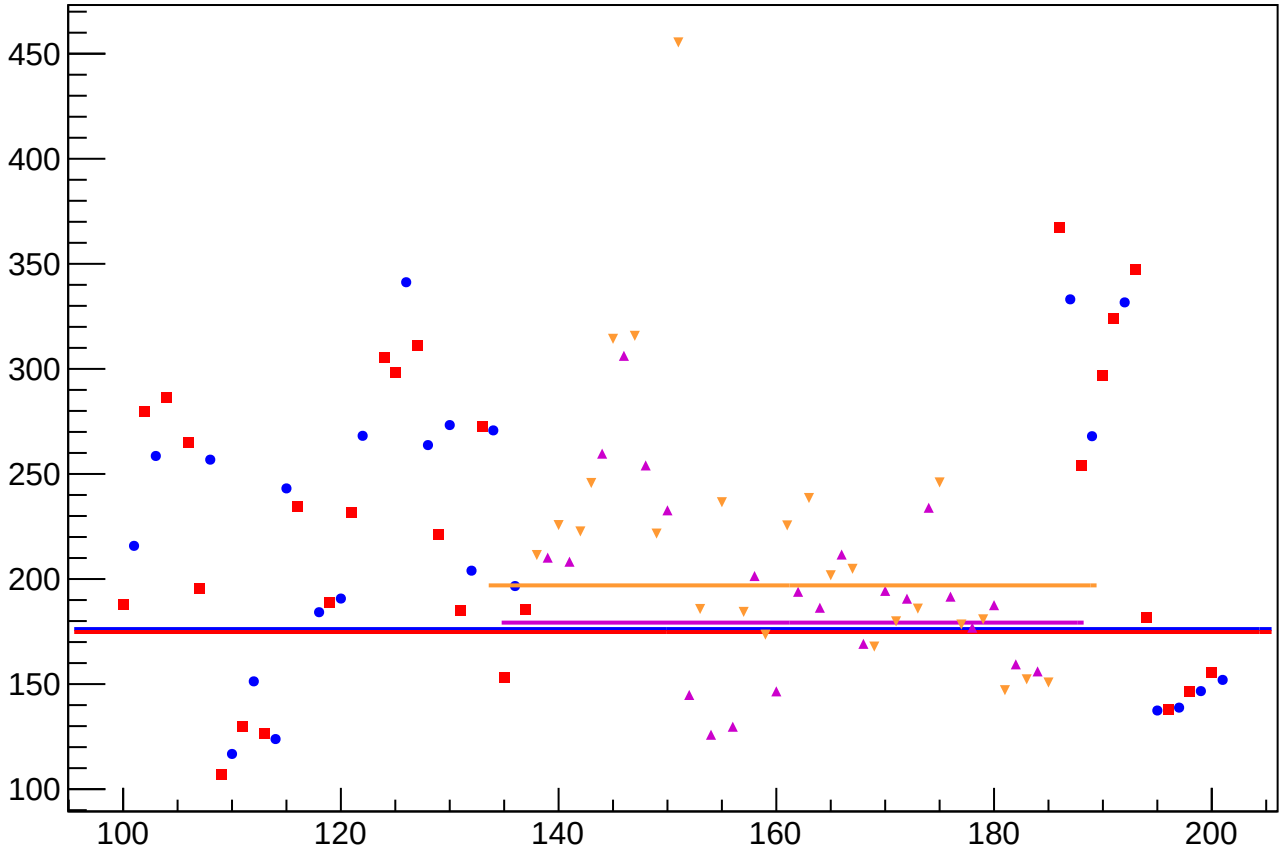
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 34.860+/-34.947 χ^2/NDF: 43.8/47

All: 16.284+/-24.081 χ^2/NDF: 86.0/98

- sign -0.510+/-33.228 χ^2/NDF: 41.7/50

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: 174.790+/-0.036 χ^2/NDF: 2847817.1/27

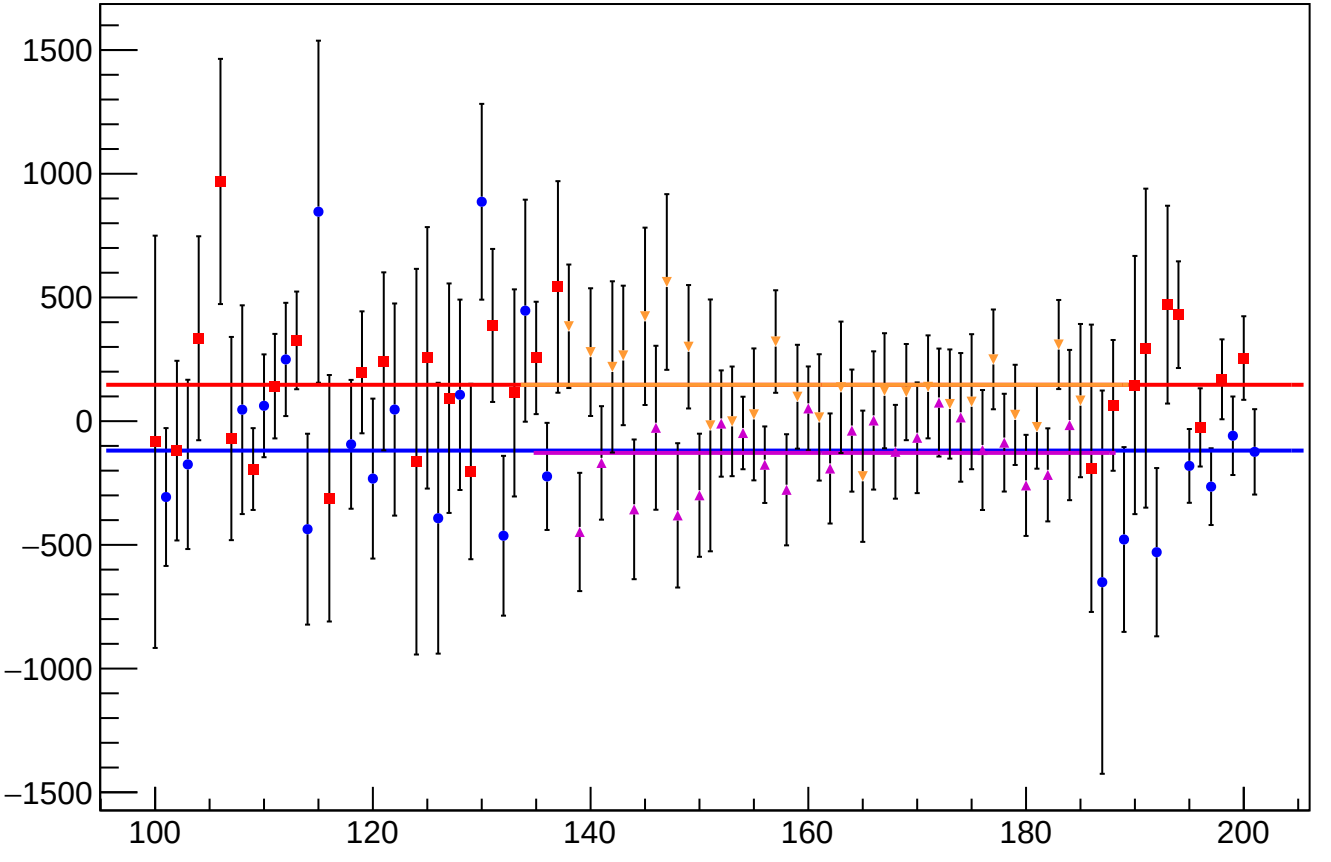
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 187.967+/-0.025 χ^2/NDF: 4138031.8/47

All: 182.398+/-0.017 χ^2/NDF: 8747407.4/98

- sign 177.363+/-0.023 χ^2/NDF: 4512661.8/50

asym_bcm_dg_us_mean vs Slug



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: 147.027+/-52.616 χ^2/NDF: 17.3/27

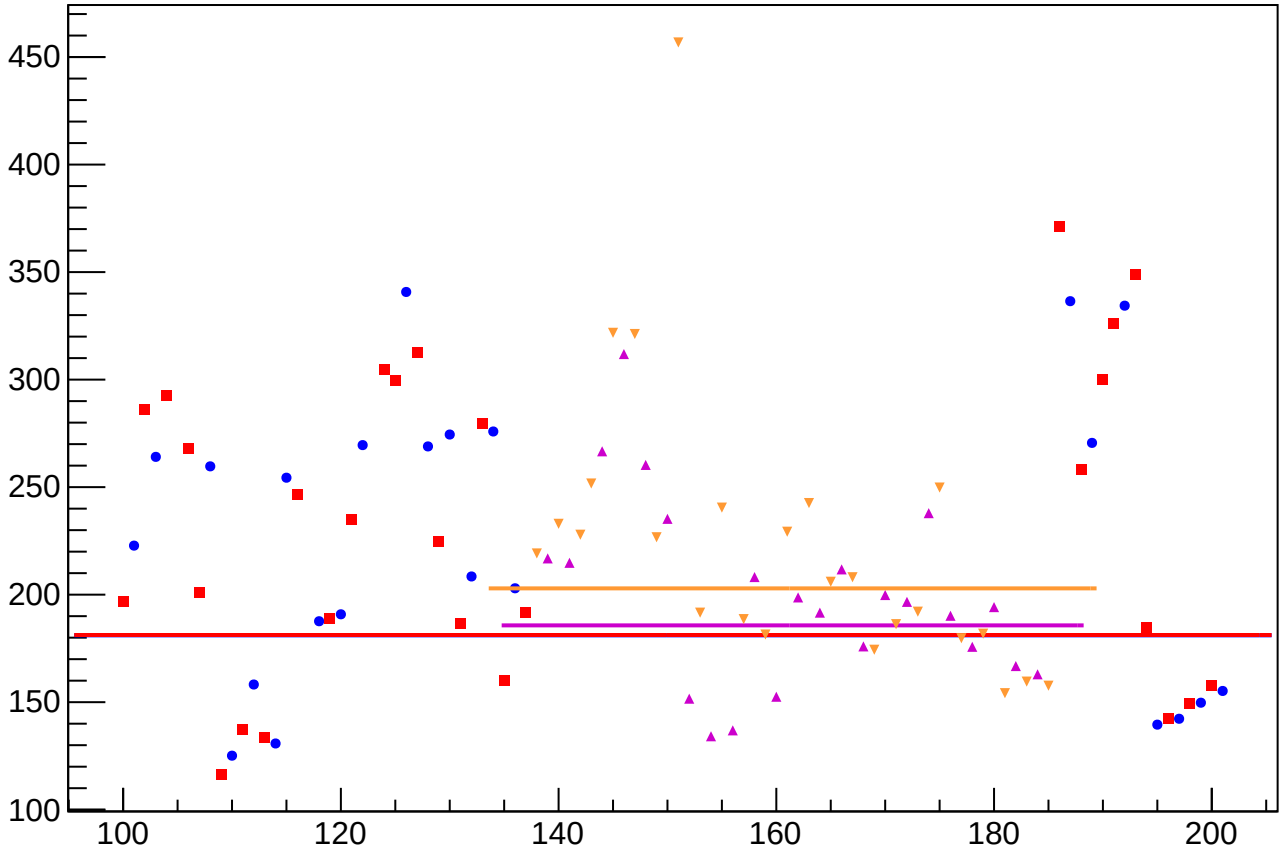
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 31.441+/-35.877 χ^2/NDF: 44.6/47

All: 9.096+/-24.787 χ^2/NDF: 86.9/98

- sign -11.311+/-34.286 χ^2/NDF: 41.6/50

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: 181.243+/-0.037 χ^2/NDF: 2619072.3/27

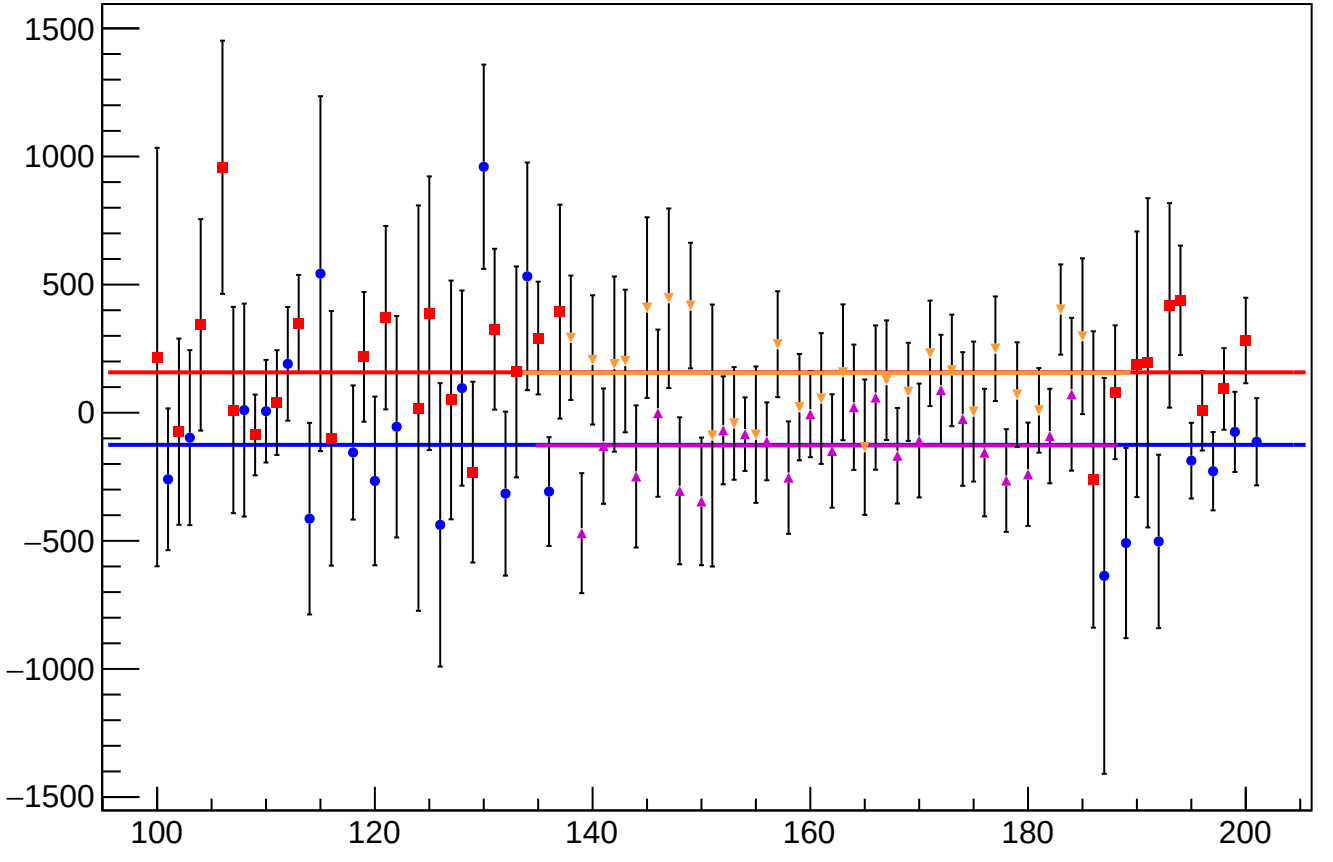
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 193.432+/-0.025 χ^2/NDF: 3938860.6/47

All: 188.406+/-0.018 χ^2/NDF: 8130819.0/98

- sign 183.816+/-0.024 χ^2/NDF: 4116876.9/50

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: 157.589+/-51.736 χ^2/NDF: 14.7/27

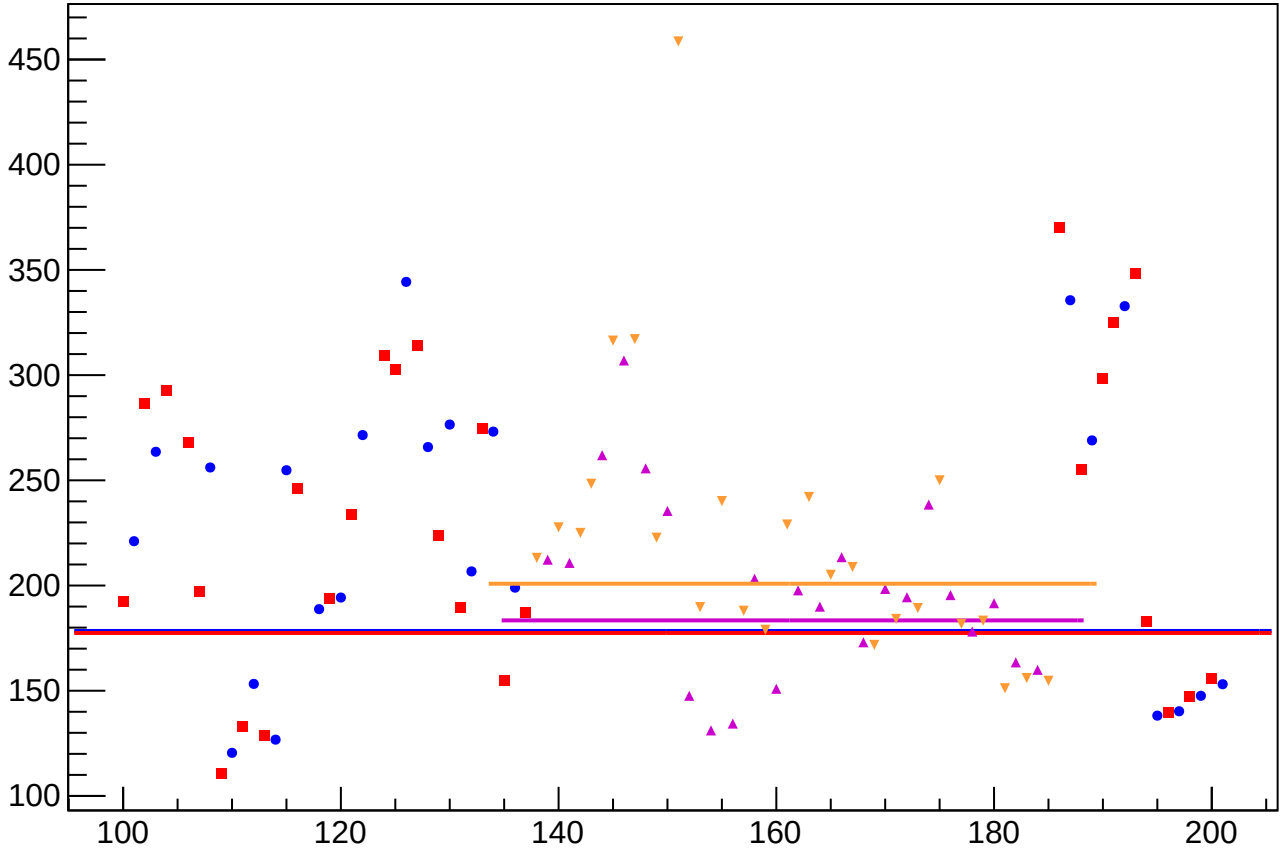
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 33.107+/-35.489 χ^2/NDF: 45.5/47

All: 12.749+/-24.484 χ^2/NDF: 86.2/98

- sign -5.743+/-33.823 χ^2/NDF: 40.1/50

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: 177.466+/-0.037 χ^2/NDF: 2800089.5/27

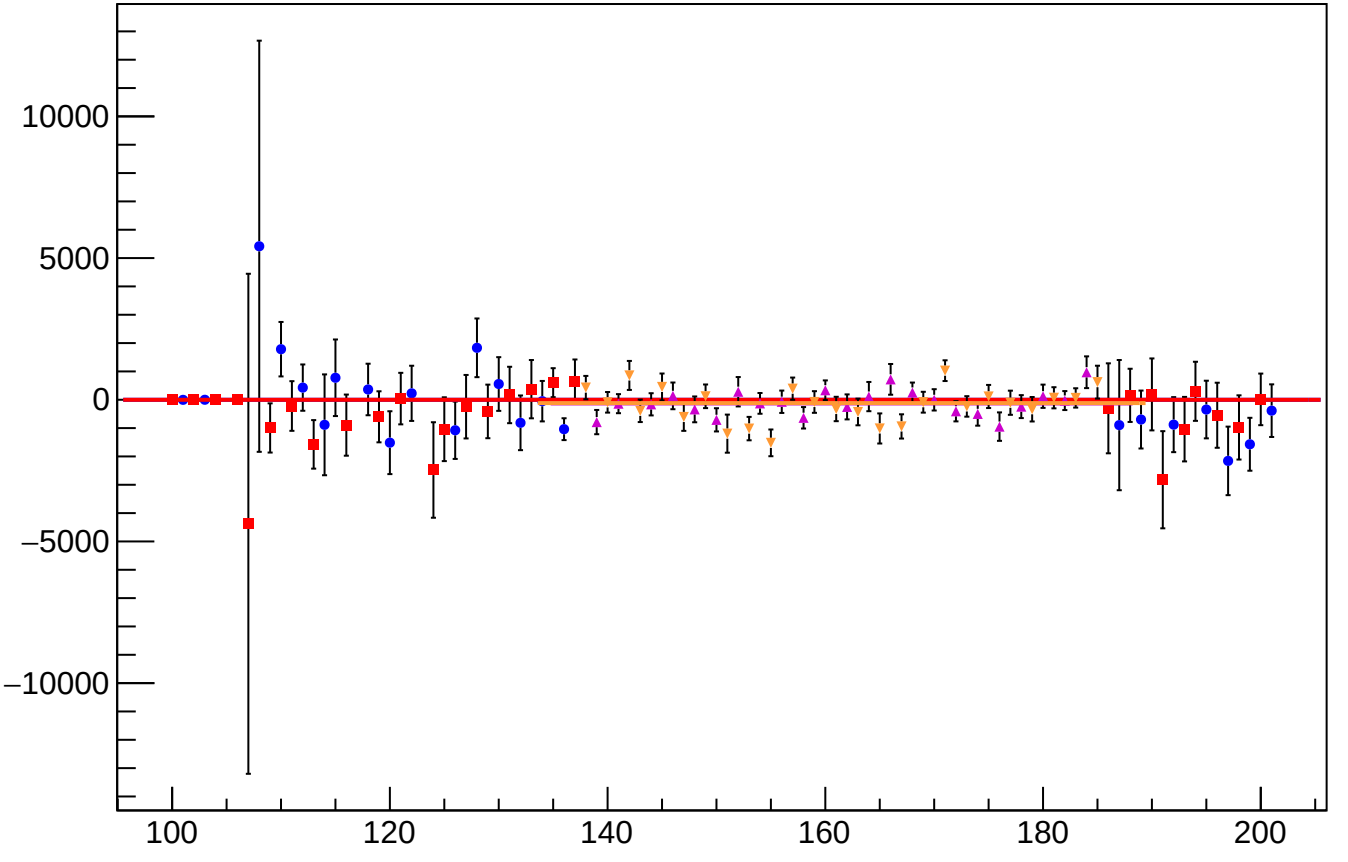
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 191.069+/-0.025 χ^2/NDF: 4067155.1/47

All: 185.731+/-0.017 χ^2/NDF: 8499494.6/98

- sign 180.883+/-0.024 χ^2/NDF: 4346003.1/50

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: -1.387+/-2.022 χ^2/NDF: 21.5/27

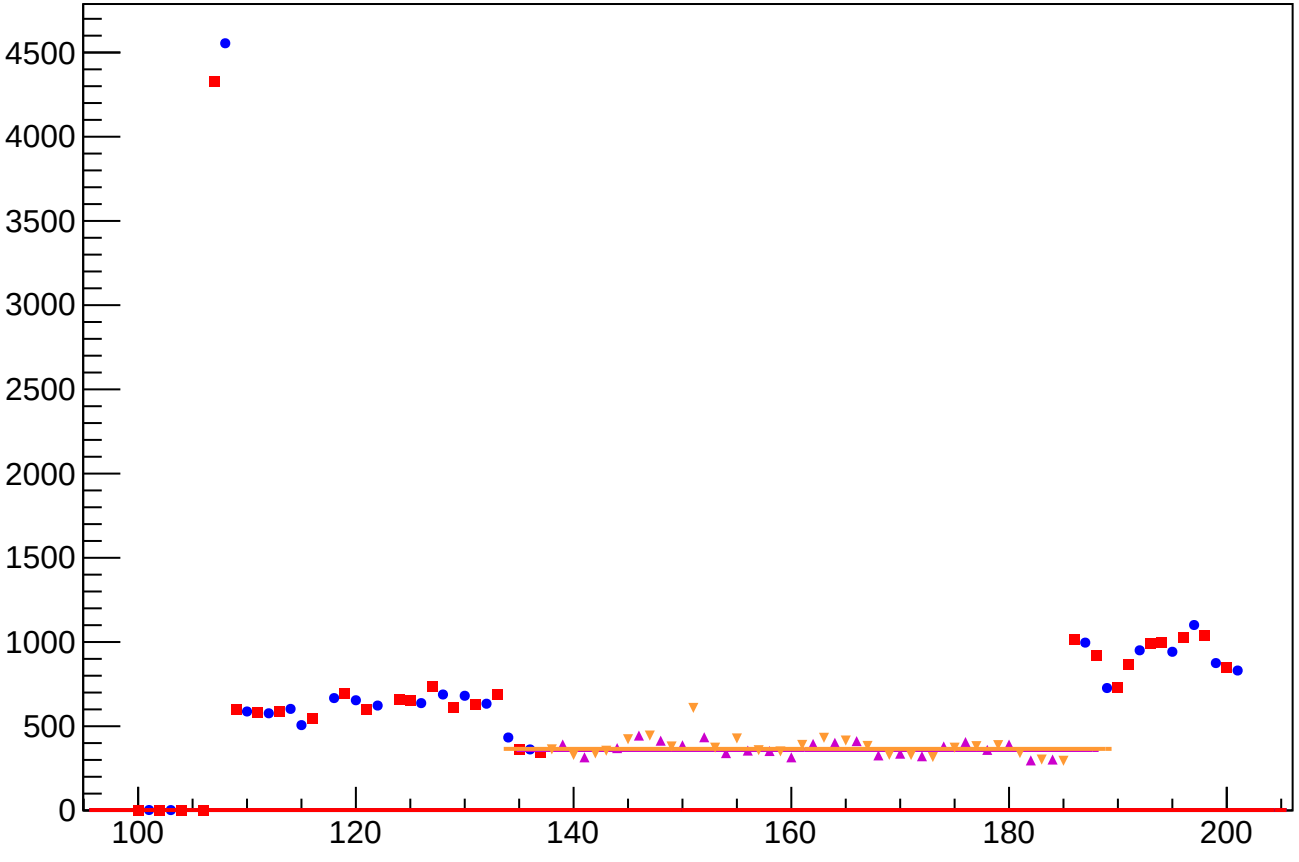
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.344+/-2.170 χ^2/NDF: 75.9/47

All: -1.406+/-1.479 χ^2/NDF: 121.4/98

- sign -1.460+/-2.022 χ^2/NDF: 45.5/50

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: 2.489+/-0.001 χ^2/NDF: 23732732.9/27

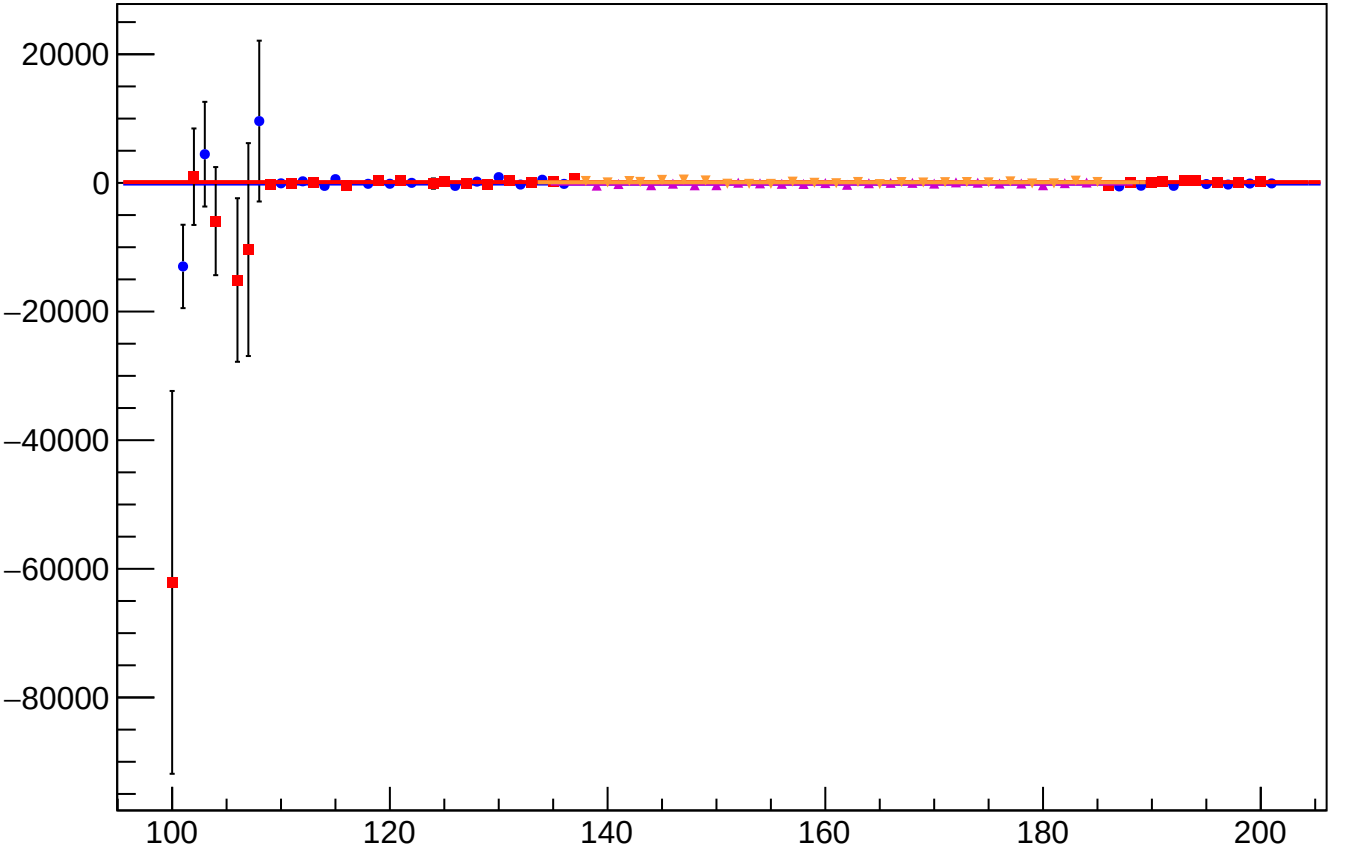
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.744+/-0.002 χ^2/NDF: 59437819.8/47

All: 2.715+/-0.001 χ^2/NDF: 118724113.5/98

- sign 2.690+/-0.001 χ^2/NDF: 59285634.9/50

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: 128.028+/-58.052 χ^2/NDF: 18.2/27

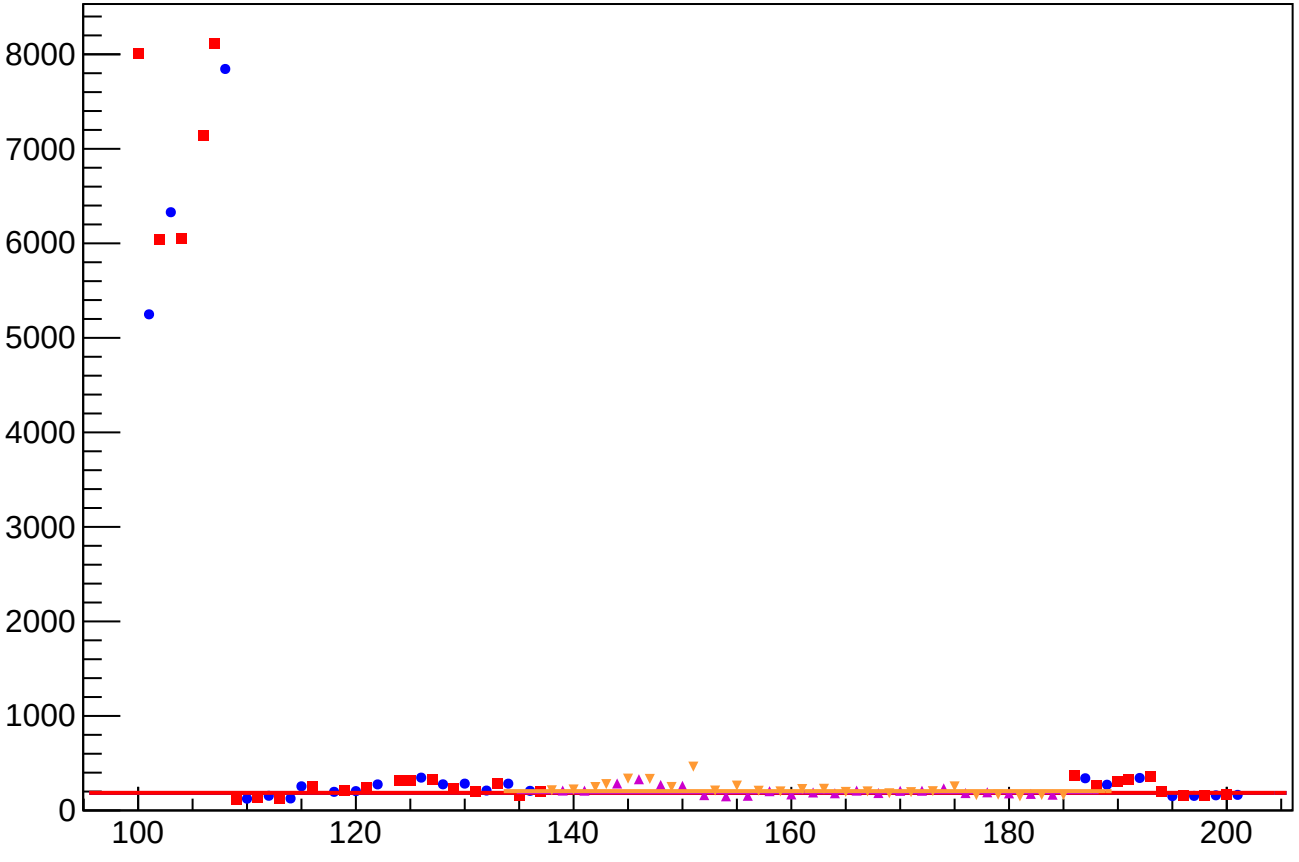
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 19.113+/-37.420 χ^2/NDF: 41.2/47

All: -1.698+/-26.132 χ^2/NDF: 80.2/98

- sign -21.508+/-36.509 χ^2/NDF: 38.5/50

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: 186.269+/-0.041 χ^2/NDF: 5487540.8/27

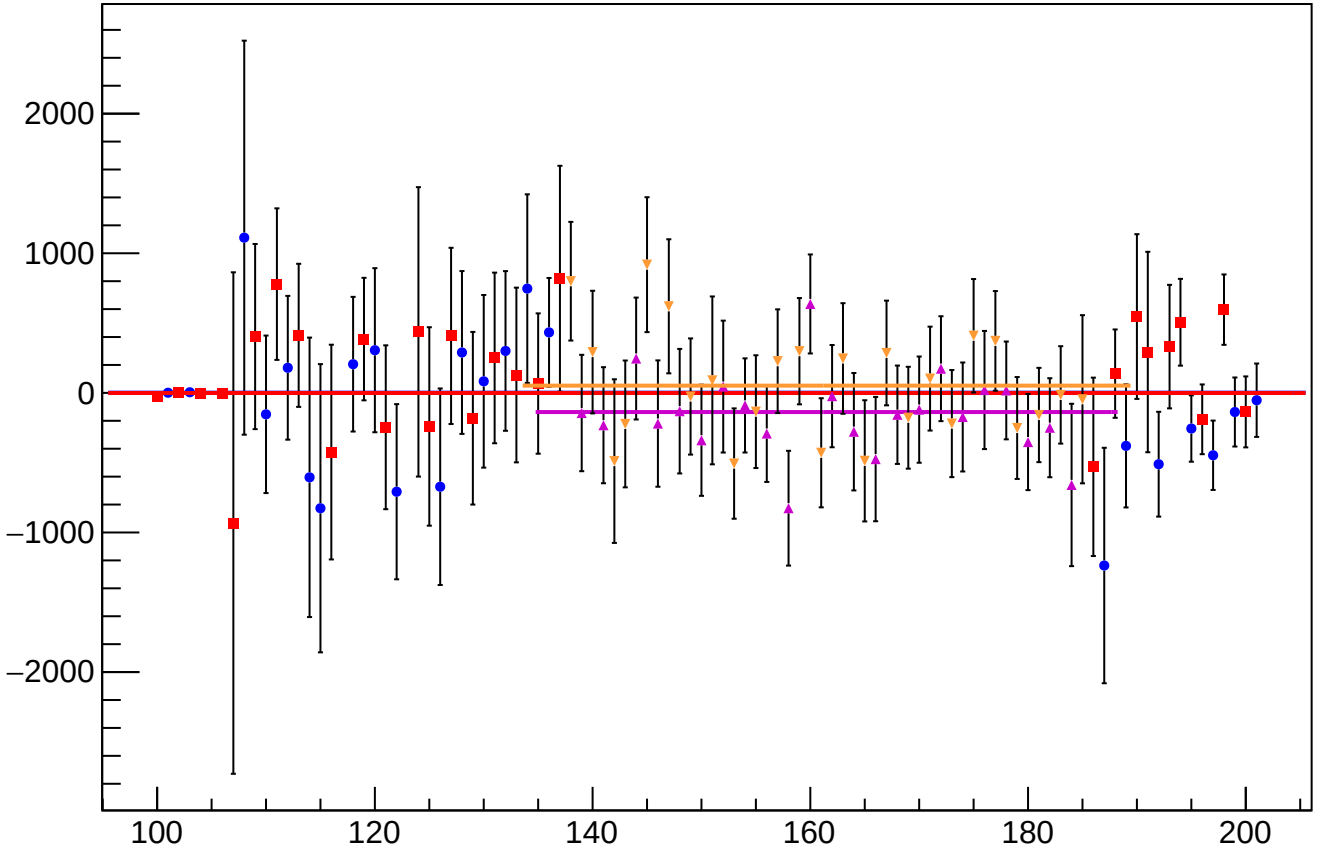
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 196.739+/-0.026 χ^2/NDF: 6925625.6/47

All: 193.737+/-0.018 χ^2/NDF: 13650740.6/98

- sign 190.879+/-0.026 χ^2/NDF: 6699991.8/50

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: -1.062+/-1.528 χ^2/NDF: 20.8/27

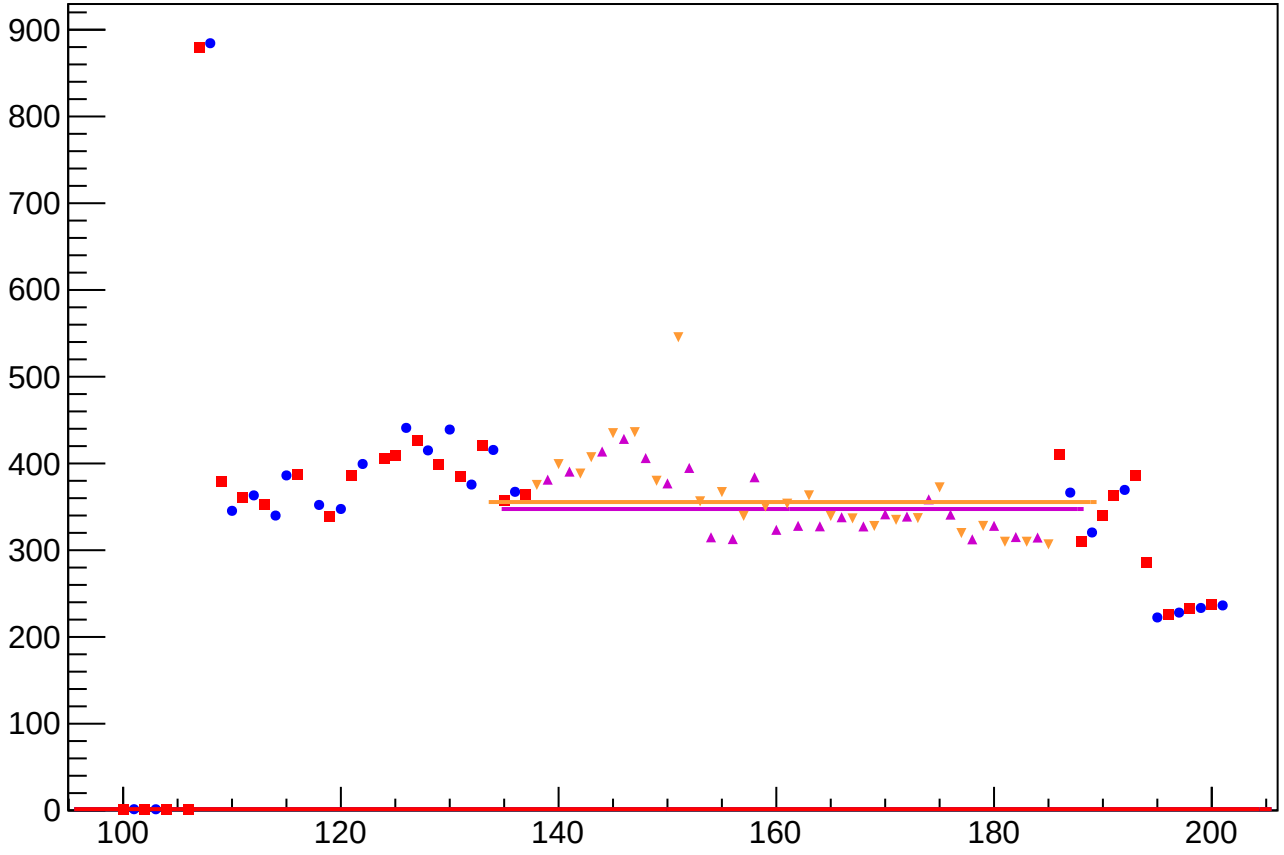
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.415+/-1.660 χ^2/NDF: 37.3/47

All: 0.048+/-1.124 χ^2/NDF: 74.2/98

- sign -1.109+/-1.527 χ^2/NDF: 35.7/50

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: 1.517+/-0.001 χ^2/NDF: 23368486.8/27

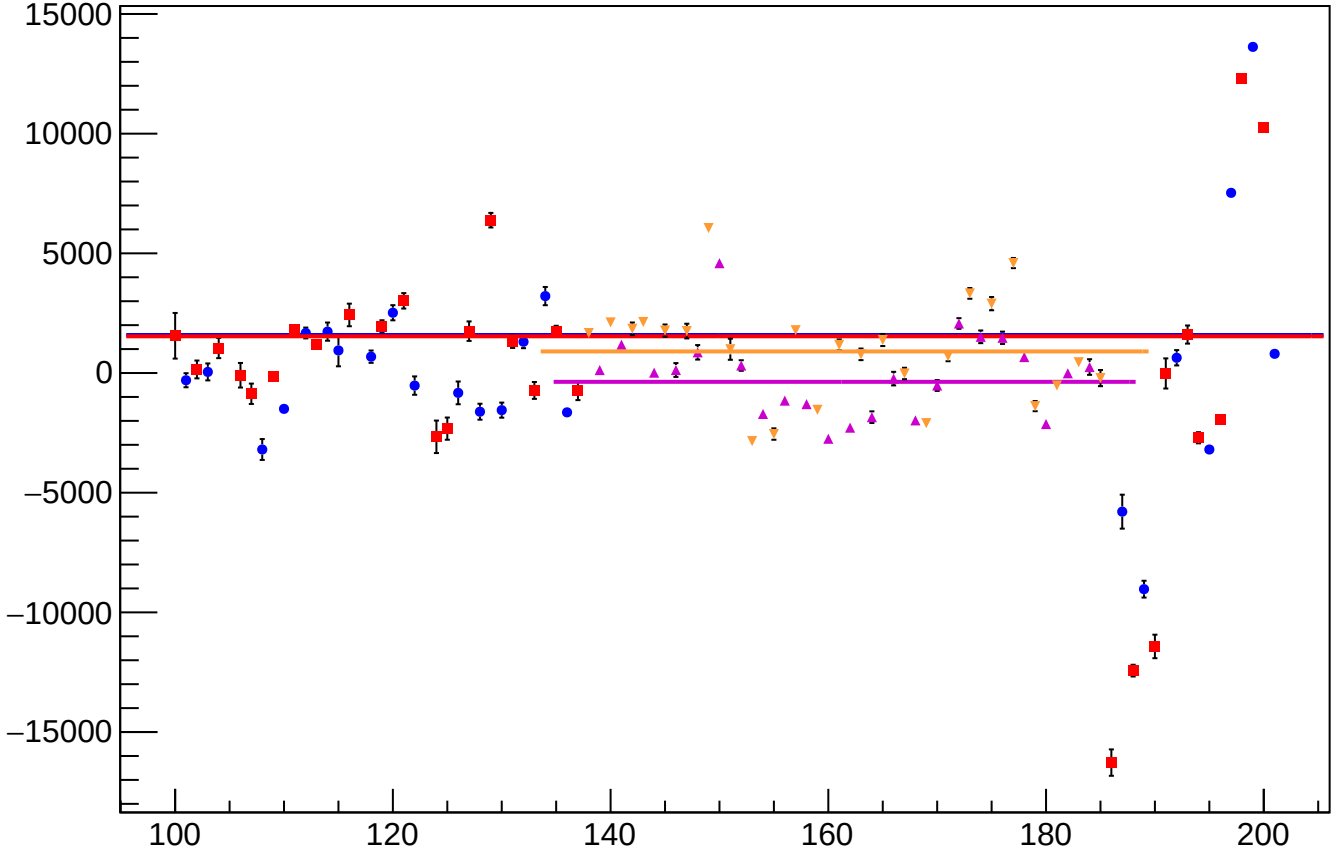
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

\+ sign 1.671+/-0.001 χ^2/NDF: 60028795.2/47

All: 1.653+/-0.001 χ^2/NDF: 119235518.9/98

\- sign 1.637+/-0.001 χ^2/NDF: 59206282.5/50

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: 1533.770+/-53.089 χ^2/NDF: 12267.2/27

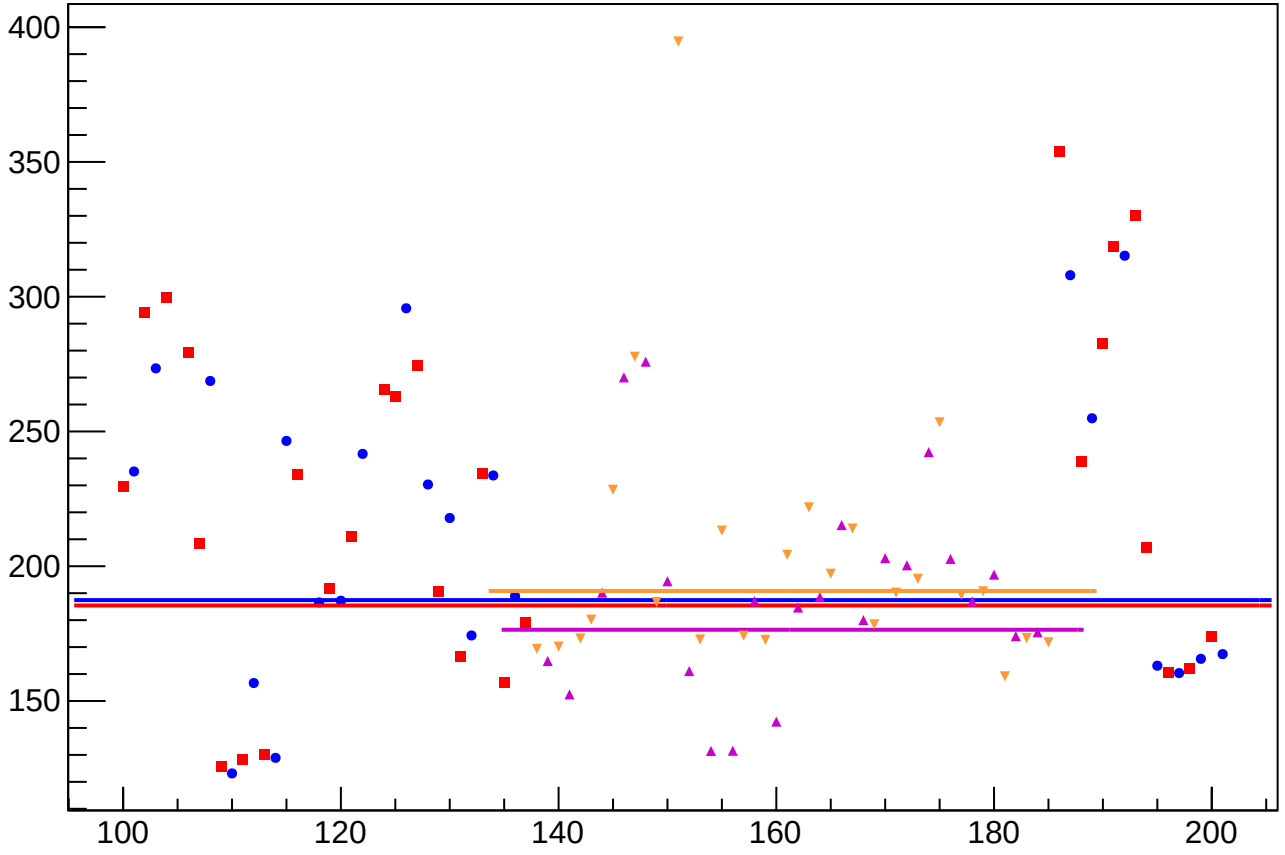
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 1169.851+/-34.701 χ^2/NDF: 11114.1/47

All: 757.738+/-24.017 χ^2/NDF: 26024.3/98

- sign 378.860+/-33.273 χ^2/NDF: 14639.6/50

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: 185.431+/-0.038 χ^2/NDF: 2095538.3/27

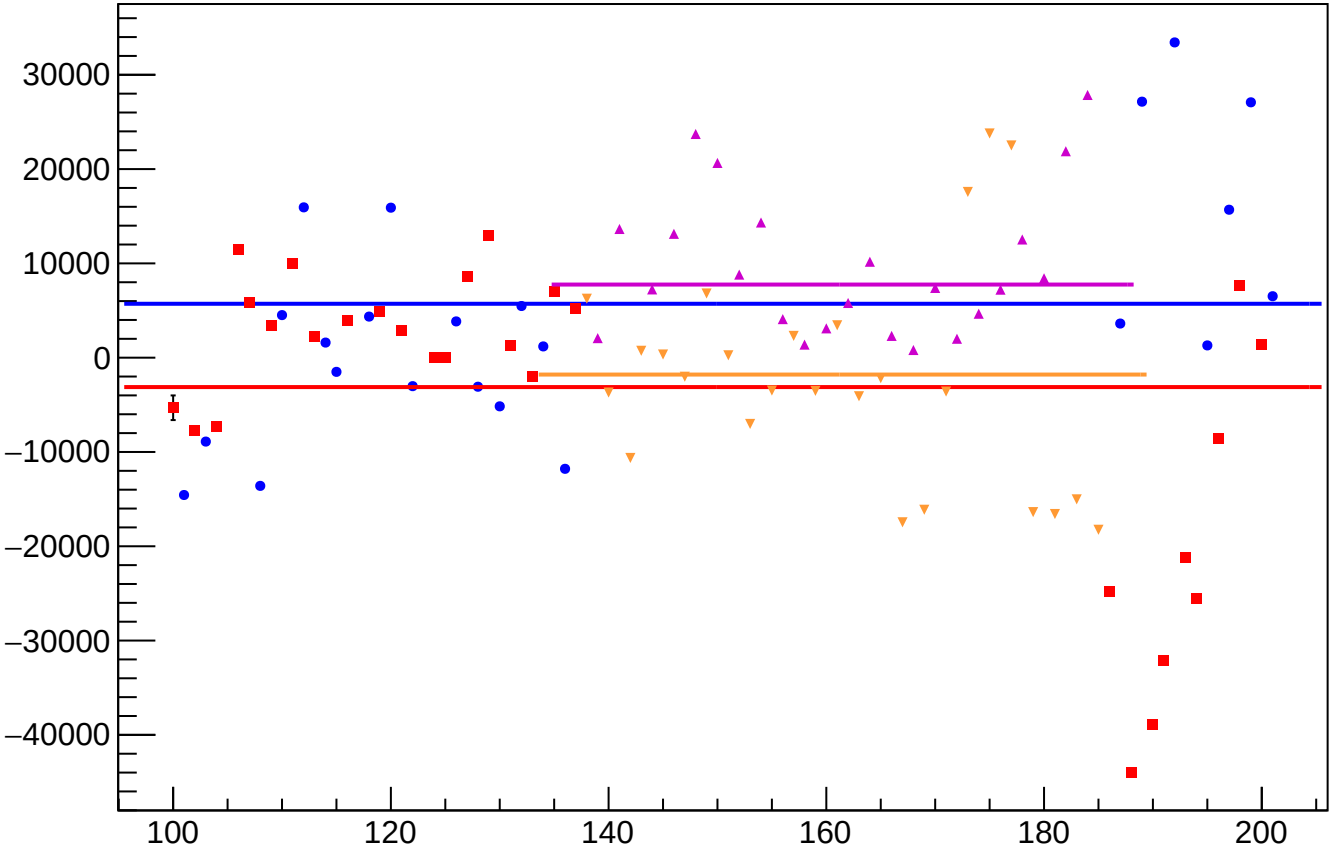
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 189.482+/-0.025 χ^2/NDF: 2383380.2/47

All: 184.524+/-0.017 χ^2/NDF: 5849824.5/98

- sign 179.966+/-0.024 χ^2/NDF: 3388099.1/50

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: -3117.391+/-42.139 χ^2/NDF: 132985.0/27

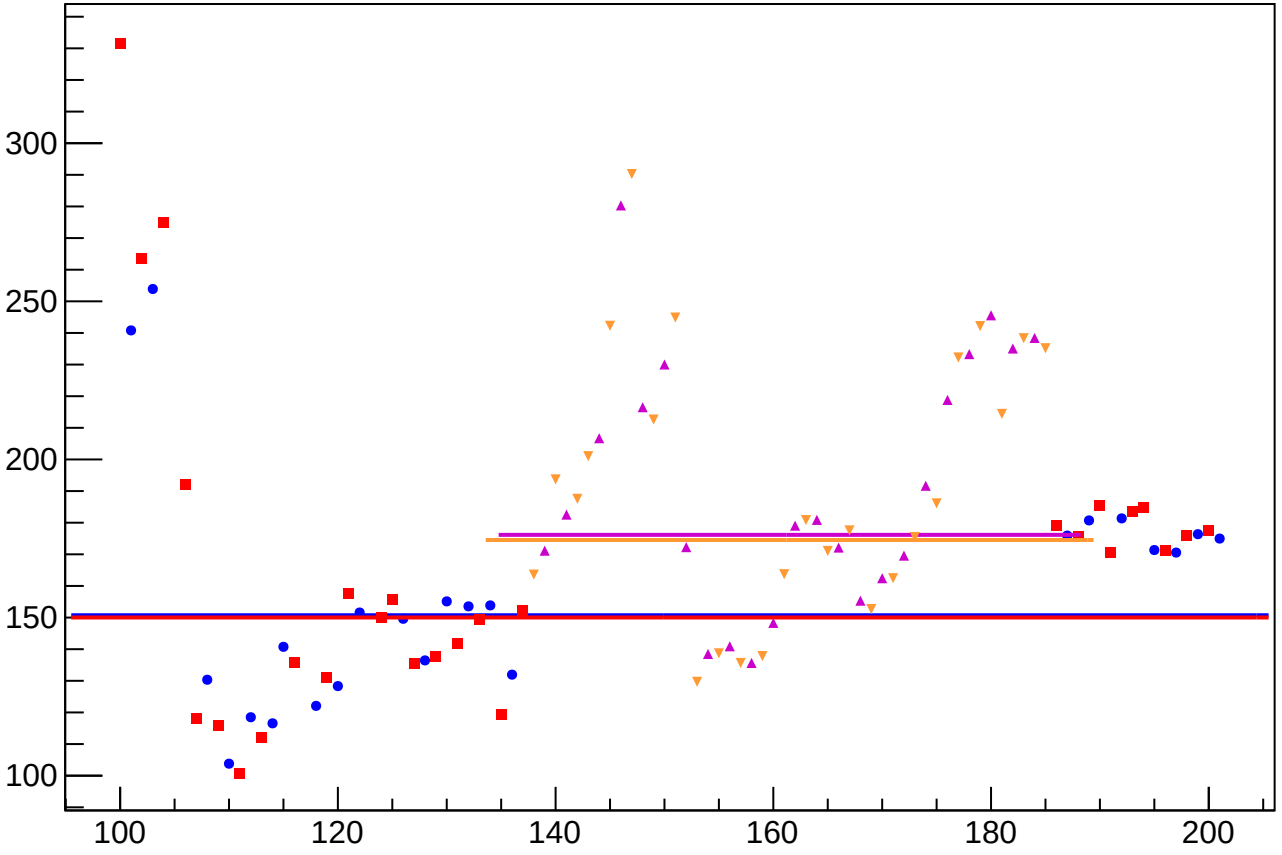
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 1650.352+/-30.109 χ^2/NDF: 169358.4/47

All: 1958.370+/-21.233 χ^2/NDF: 358772.0/98

- sign 2263.102+/-29.948 χ^2/NDF: 189205.4/50

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: 150.024+/-0.030 χ^2/NDF: 1364678.6/27

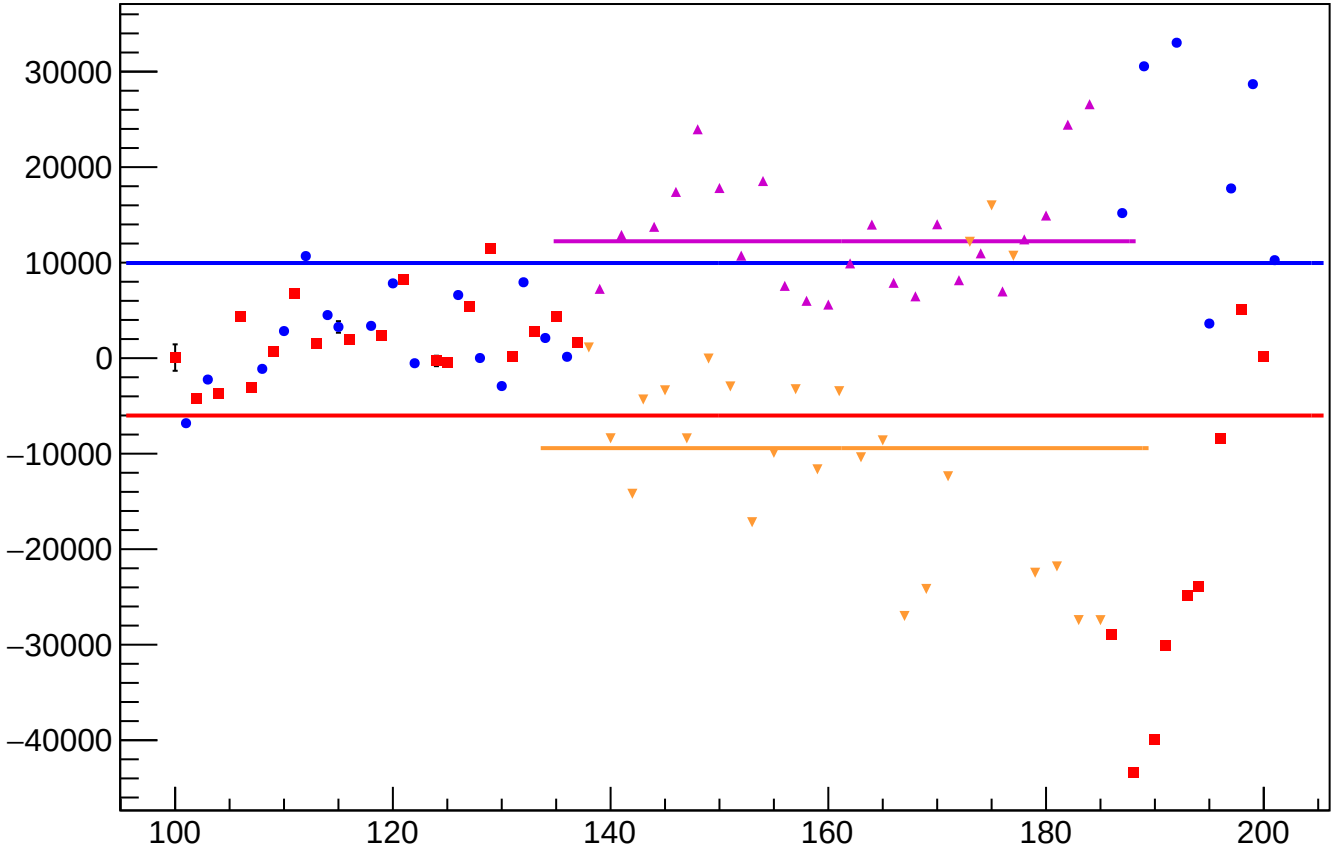
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 163.618+/-0.021 χ^2/NDF: 2933763.8/47

All: 163.285+/-0.015 χ^2/NDF: 6046602.1/98

- sign 162.956+/-0.021 χ^2/NDF: 3112352.3/50

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: -6006.725+/-48.510 χ^2/NDF: 103373.4/27

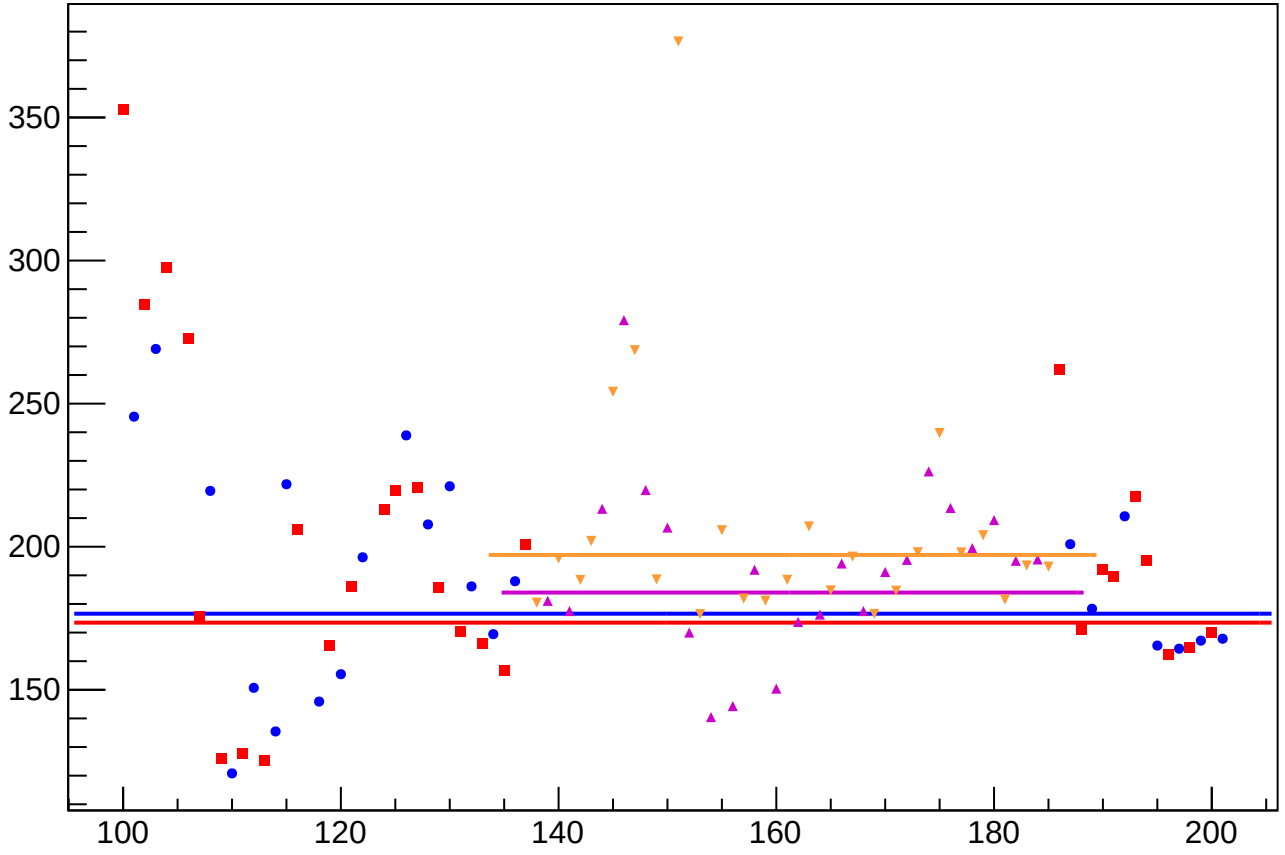
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -907.400+/-34.221 χ^2/NDF: 191819.9/47

All: 1640.864+/-23.630 χ^2/NDF: 399110.3/98

- sign 3963.300+/-32.670 χ^2/NDF: 196691.8/50

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: 173.474+/-0.034 χ^2/NDF: 1193281.3/27

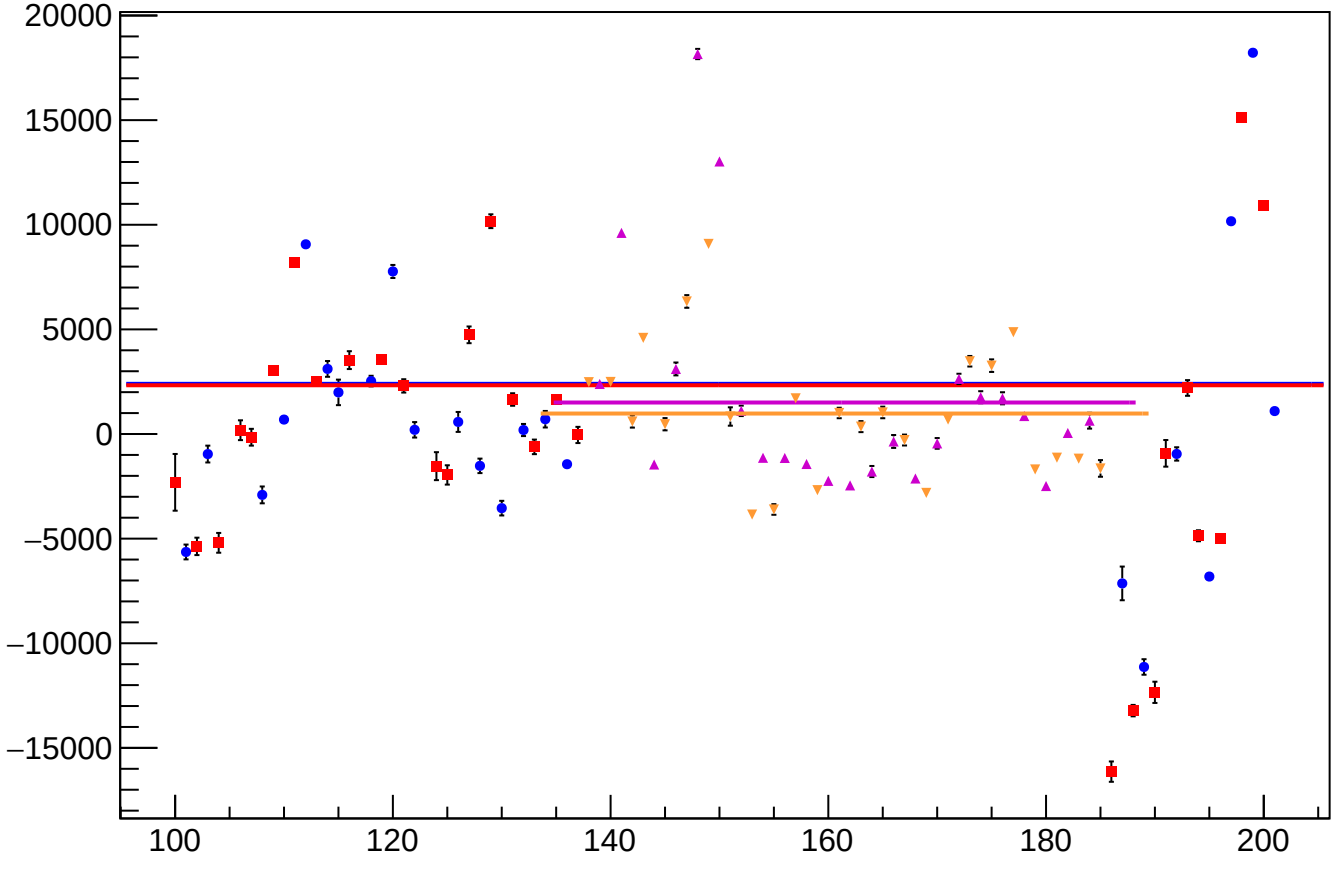
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 188.108+/-0.024 χ^2/NDF: 1669214.3/47

All: 183.457+/-0.017 χ^2/NDF: 3814202.8/98

- sign 179.218+/-0.023 χ^2/NDF: 2074374.8/50

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: 2329.786+/-54.964 χ^2/NDF: 16208.1/27

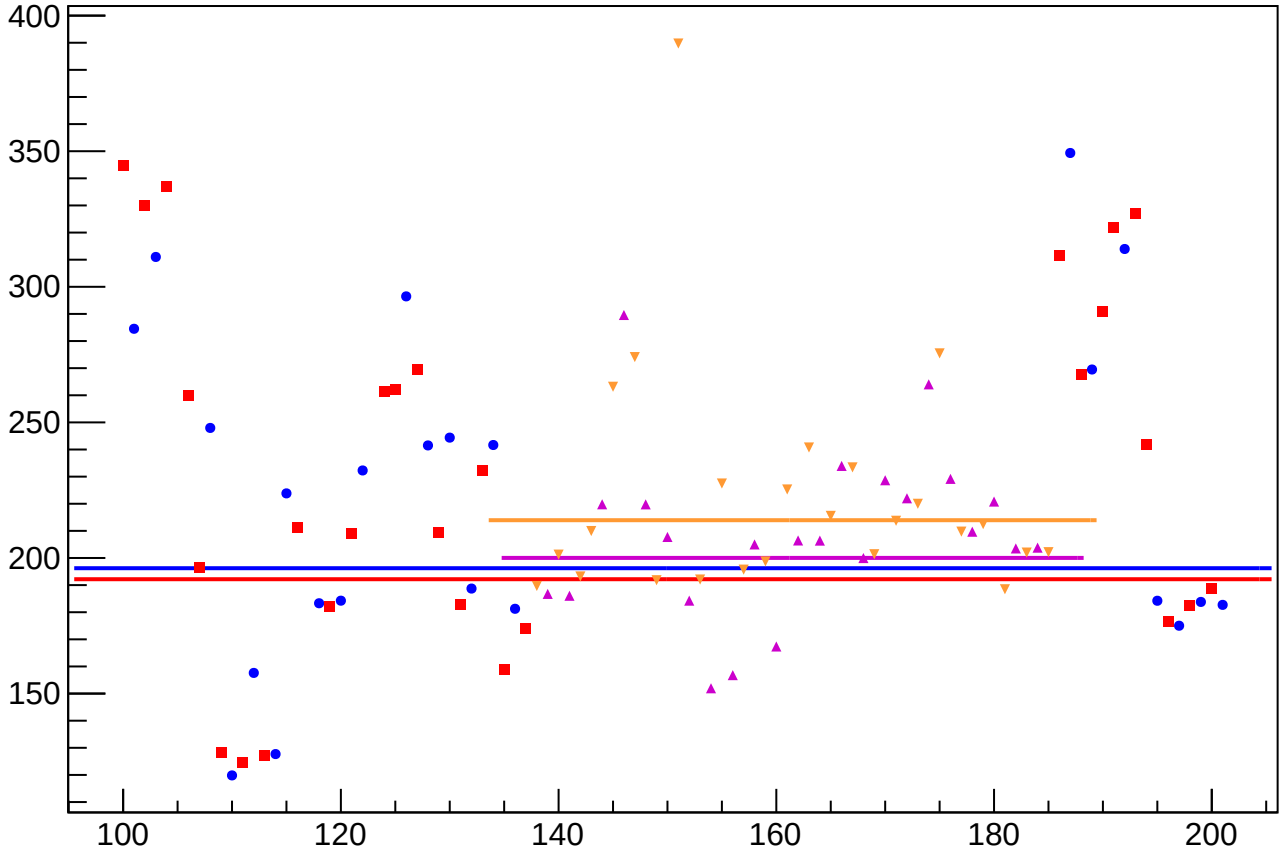
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1576.310+/-37.740 χ^2/NDF: 19654.2/47

All: 1725.376+/-26.116 χ^2/NDF: 47500.5/98

- sign 1862.344+/-36.176 χ^2/NDF: 27816.3/50

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

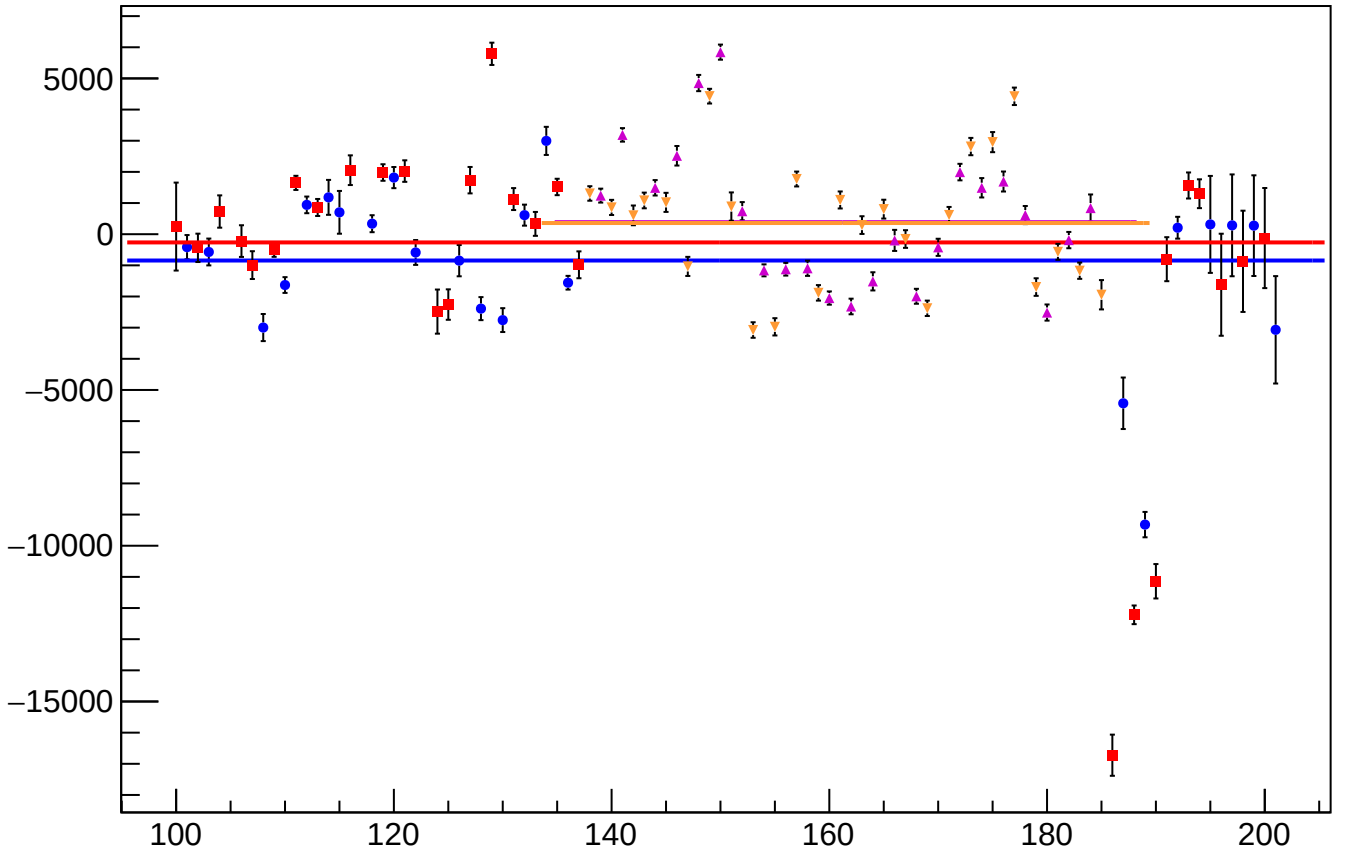
Right Out: 192.172+/-0.039 χ^2/NDF: 2233633.0/27

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.475+/-0.027 χ^2/NDF: 2279897.0/47

All: 201.343+/-0.018 χ^2/NDF: 5393220.2/98

- sign 196.626+/-0.026 χ^2/NDF: 3042333.4/50



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: -264.191+/-73.948 χ^2/NDF: 3268.9/27

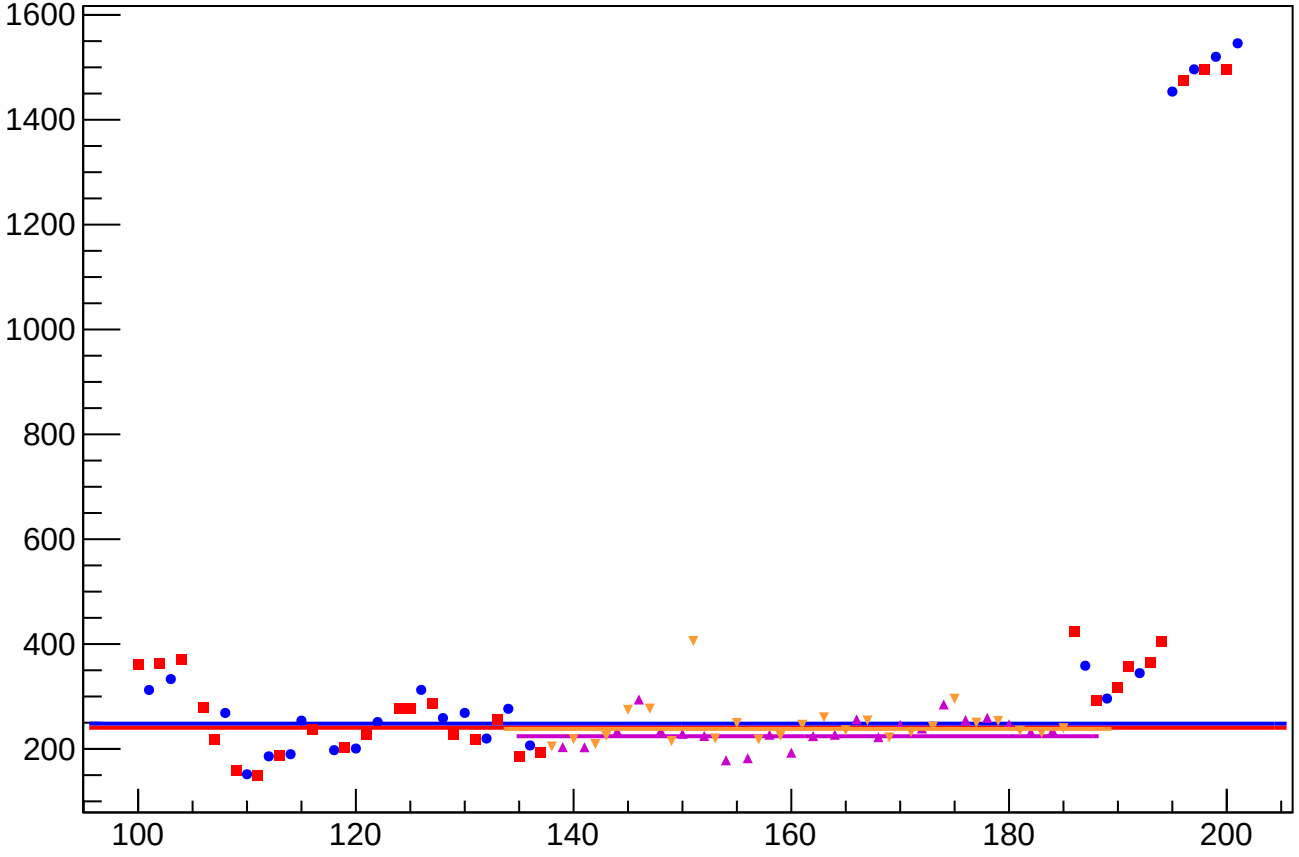
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -17.309+/-45.600 χ^2/NDF: 2368.0/47

All: 77.417+/-31.422 χ^2/NDF: 7500.1/98

- sign 163.066+/-43.360 χ^2/NDF: 5123.9/50

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: 240.383+/-0.052 χ^2/NDF: 5476588.2/27

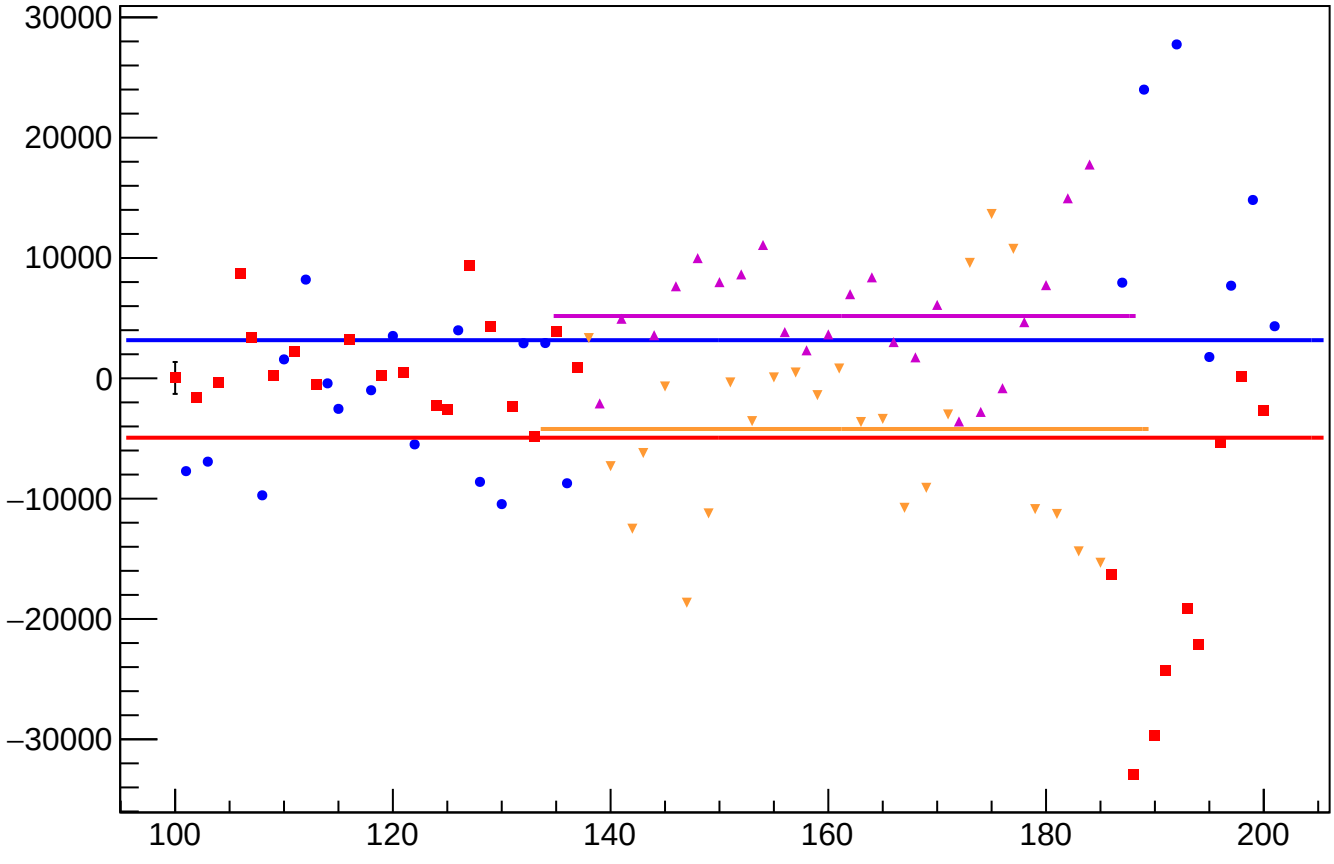
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 241.313+/-0.032 χ^2/NDF: 6342208.2/47

All: 235.252+/-0.022 χ^2/NDF: 12512060.7/98

- sign 229.772+/-0.031 χ^2/NDF: 6102577.0/50

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: -4935.137+/-35.527 χ^2/NDF: 102493.8/27

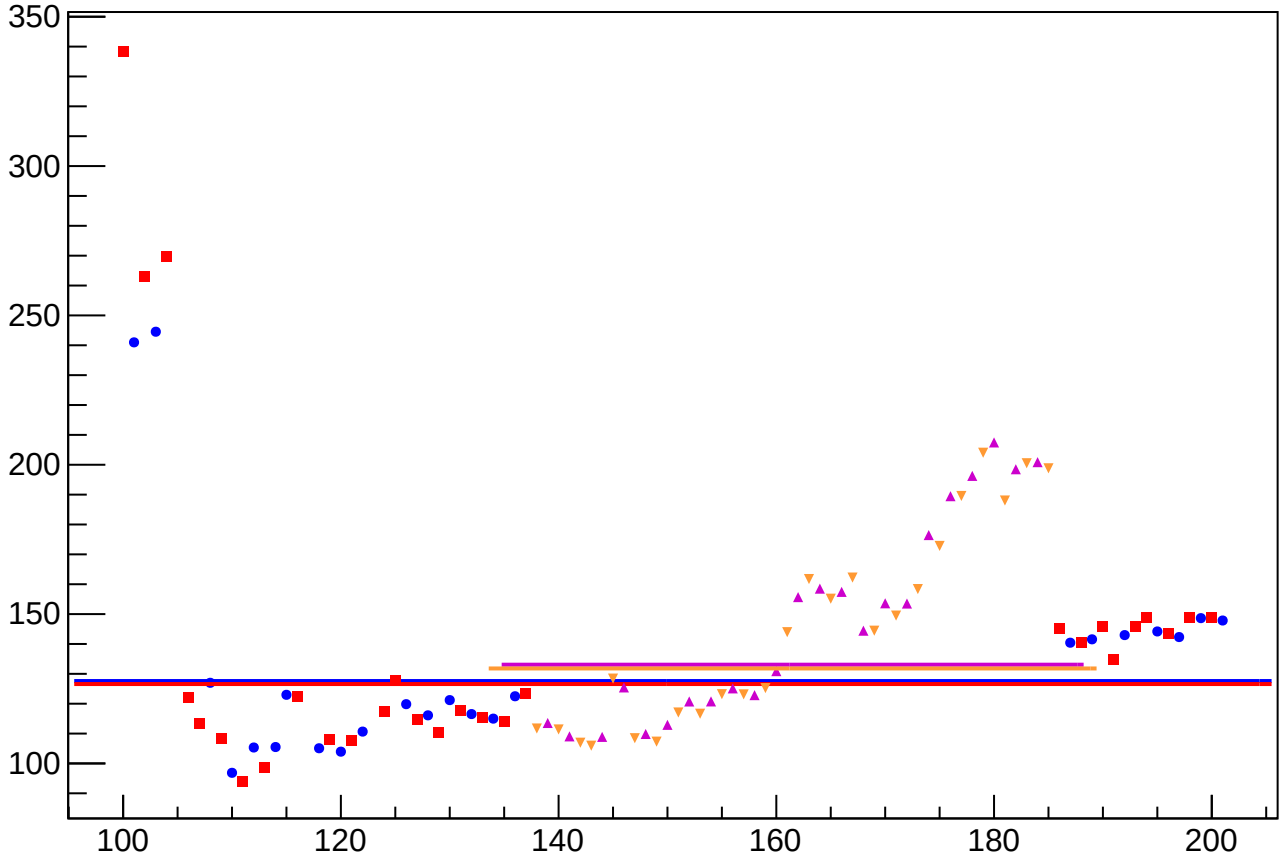
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1257.356+/-23.877 χ^2/NDF: 155407.1/47

All: -297.602+/-16.844 χ^2/NDF: 324435.7/98

- sign 653.069+/-23.764 χ^2/NDF: 165812.6/50

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: 126.582+/-0.025 χ^2/NDF: 1195662.4/27

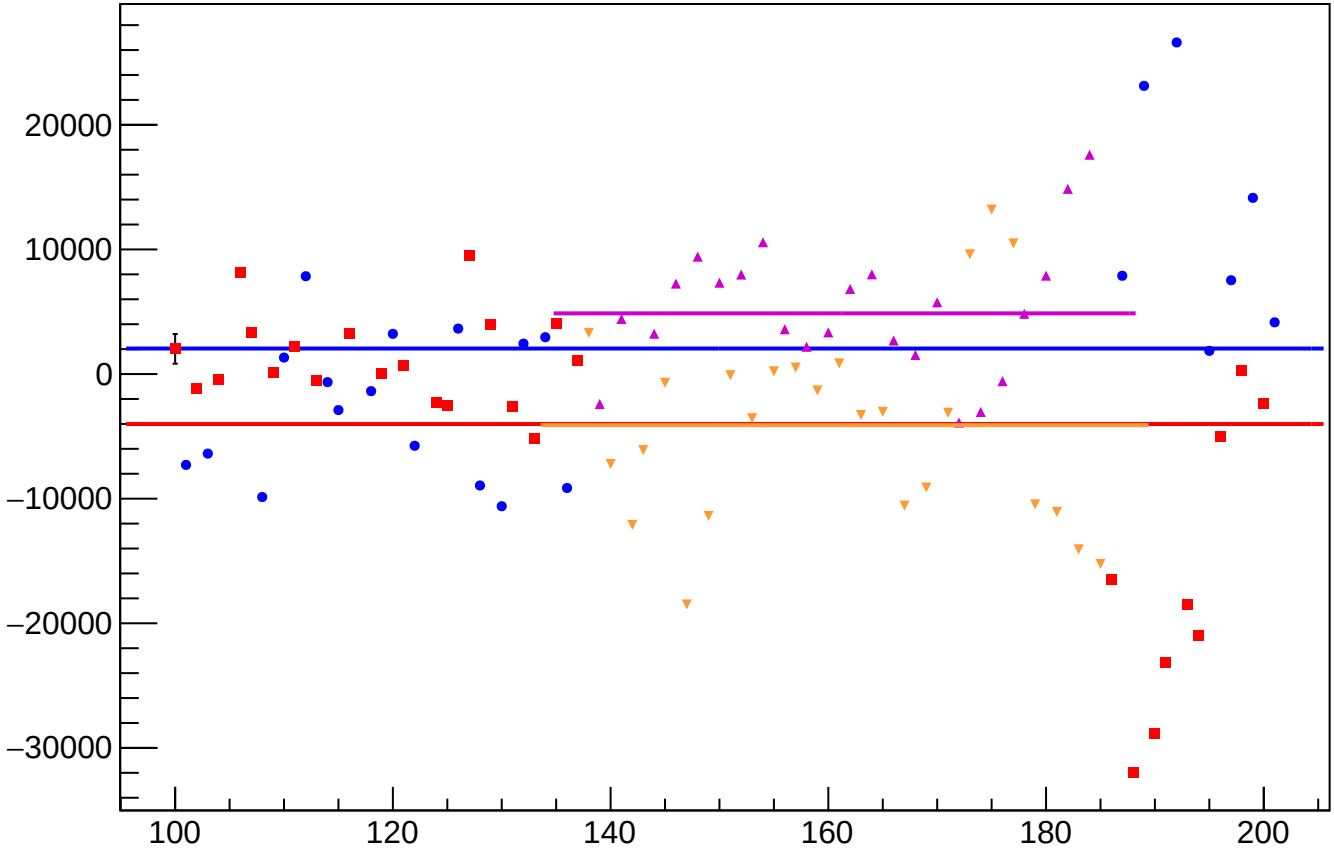
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 130.114+/-0.017 χ^2/NDF: 2510439.6/47

All: 130.138+/-0.012 χ^2/NDF: 5161118.0/98

- sign 130.162+/-0.017 χ^2/NDF: 2650674.3/50

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: -4009.765+/-32.441 χ^2/NDF: 107999.4/27

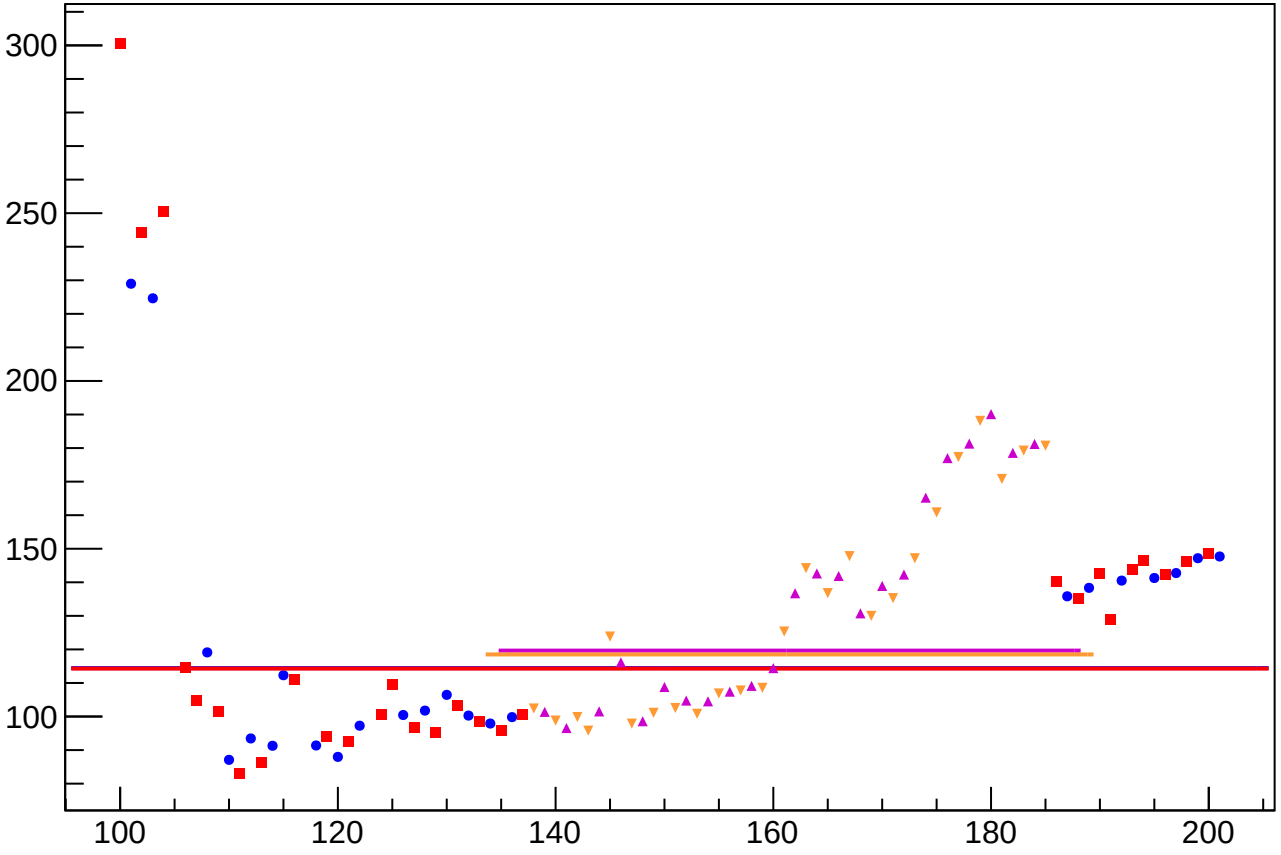
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

\+ sign -1660.890+/-21.573 χ^2/NDF: 168187.8/47

All: -351.148+/-15.243 χ^2/NDF: 347347.9/98

\- sign 954.761+/-21.541 χ^2/NDF: 171798.9/50

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: 114.295+/-0.023 χ^2/NDF: 1654167.7/27

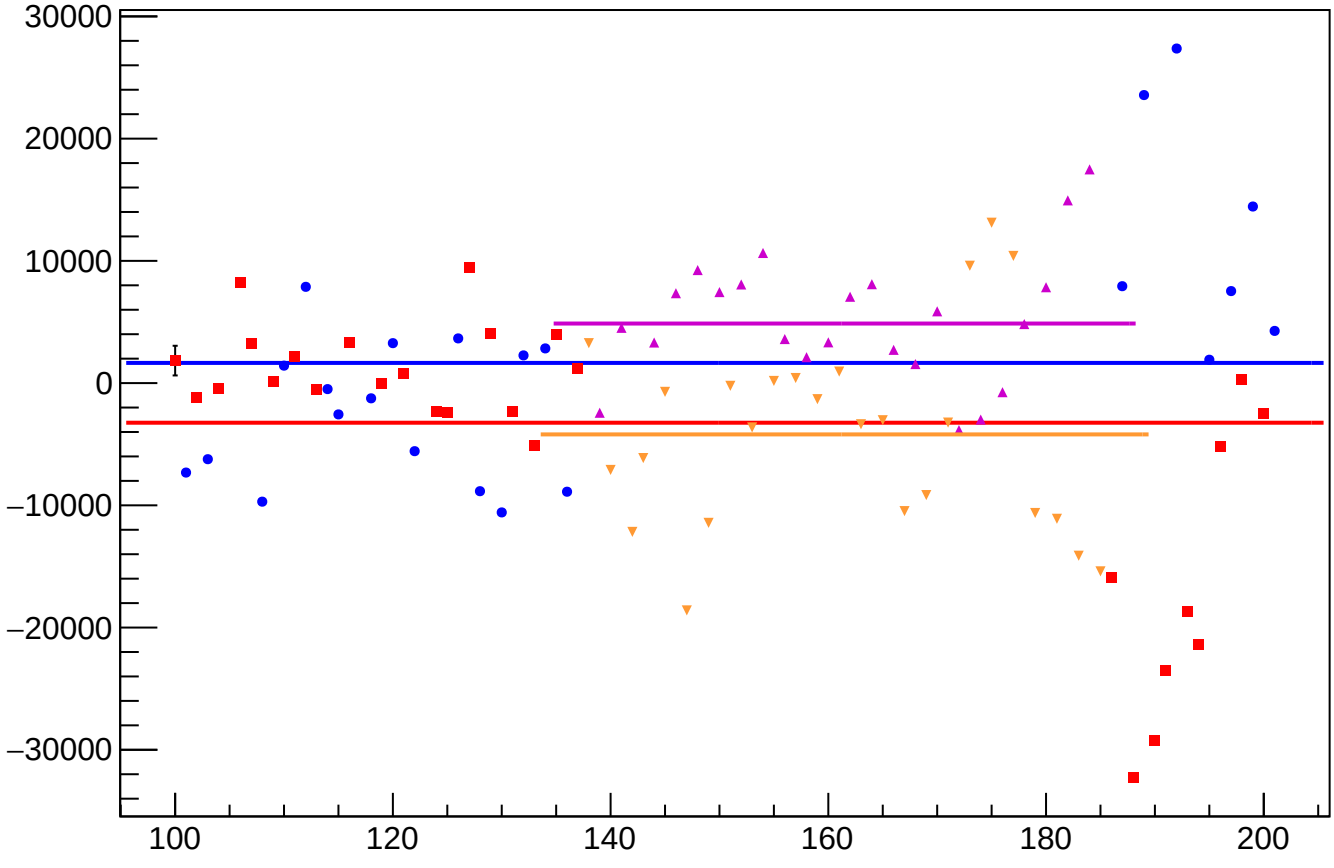
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 116.884+/-0.015 χ^2/NDF: 3042429.1/47

All: 117.085+/-0.011 χ^2/NDF: 6239739.7/98

- sign 117.286+/-0.015 χ^2/NDF: 3196962.3/50

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: -3241.277+/-31.841 χ^2/NDF: 101015.3/27

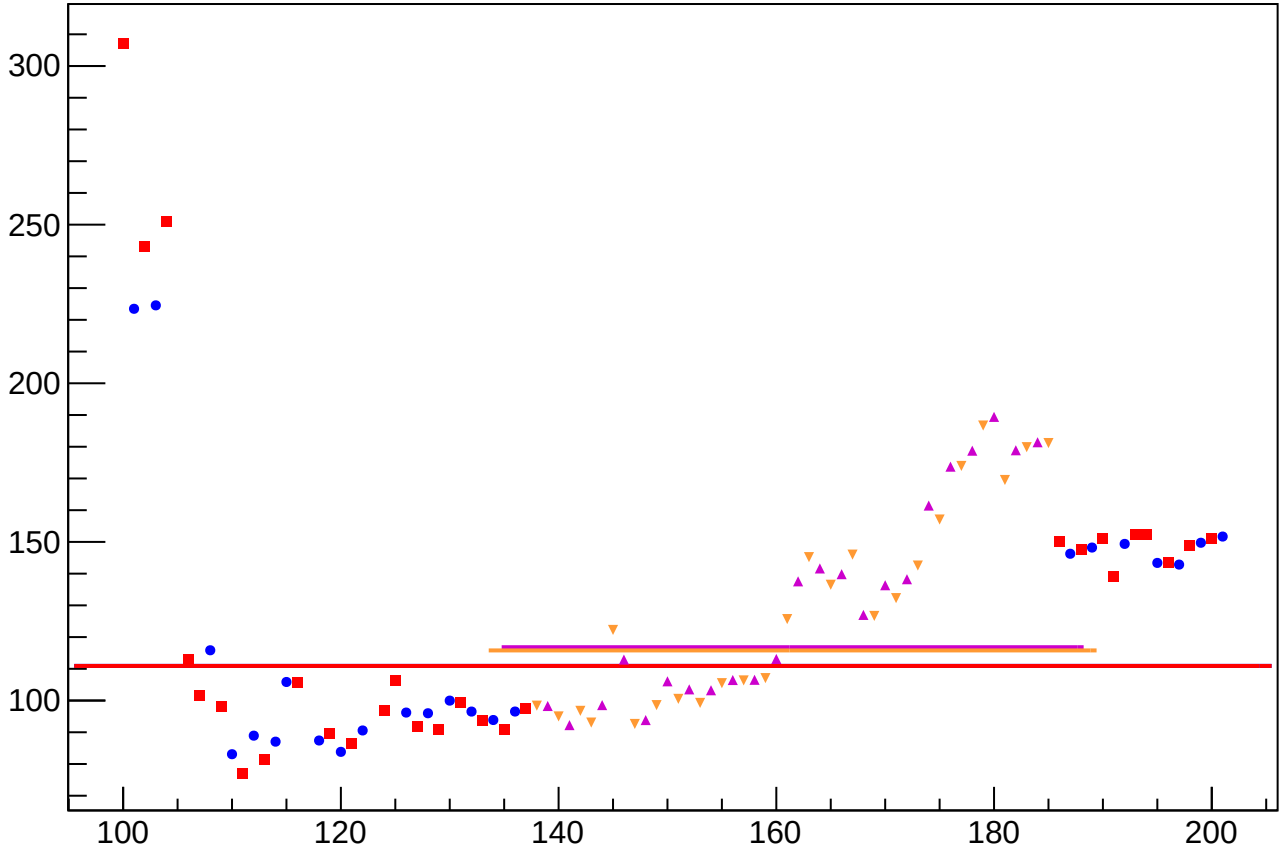
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -1873.679+/-21.125 χ^2/NDF: 170127.2/47

All: -282.716+/-14.933 χ^2/NDF: 341798.3/98

- sign 1306.120+/-21.111 χ^2/NDF: 160335.0/50

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

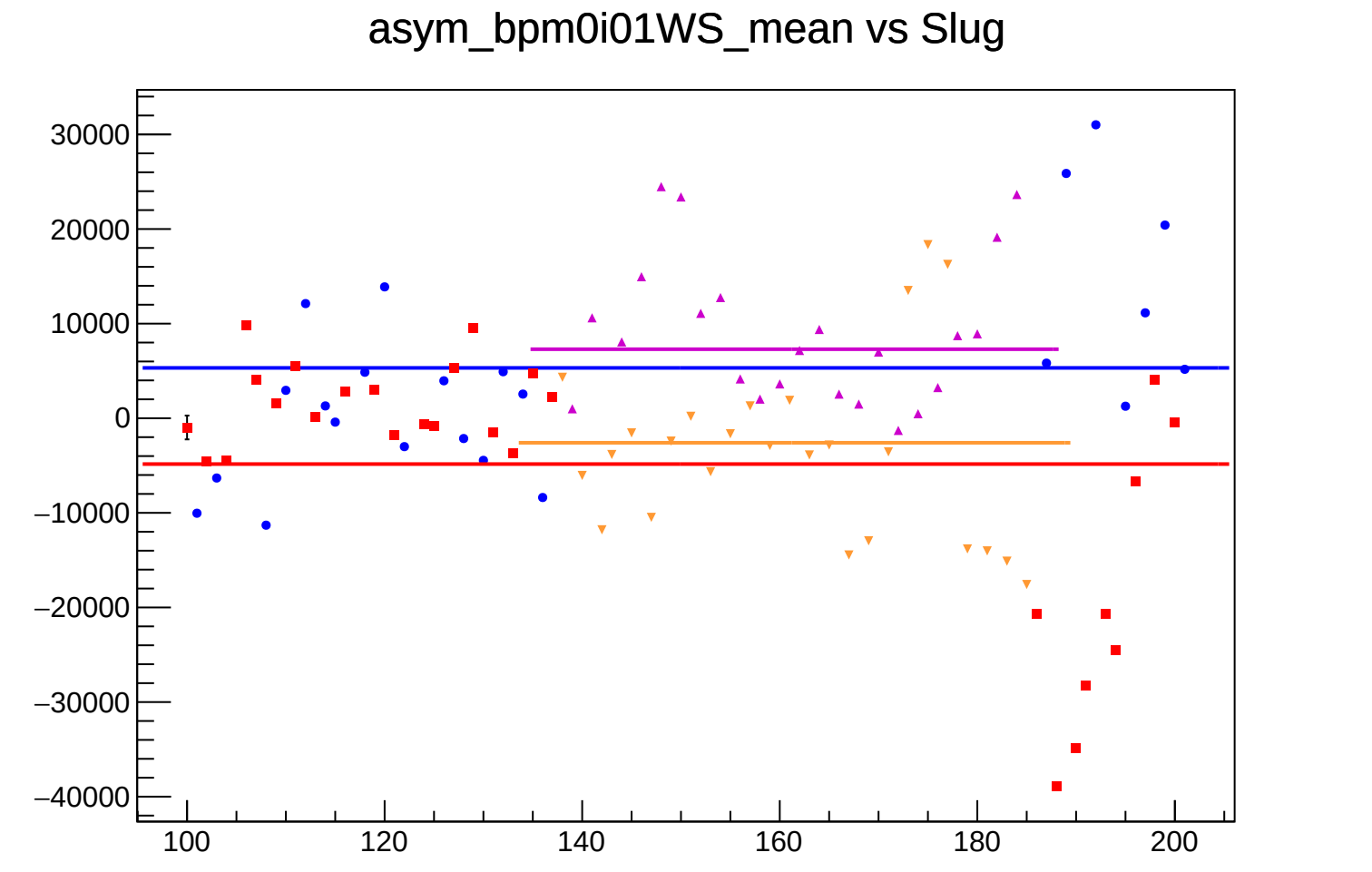
Right Out: 110.908+/-0.023 χ^2/NDF: 2134533.2/27

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

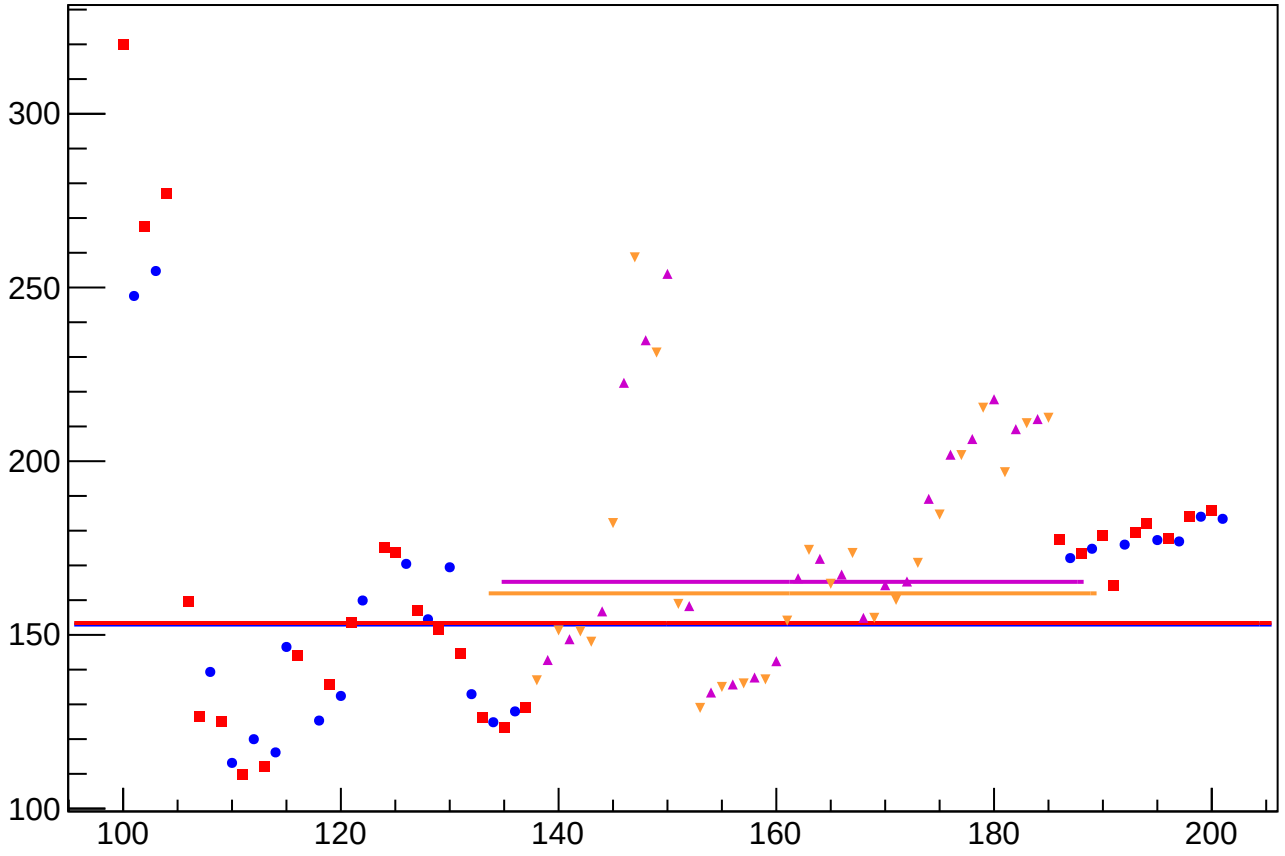
+ sign 113.862+/-0.015 χ^2/NDF: 3488881.0/47

All: 114.038+/-0.011 χ^2/NDF: 7279834.6/98

- sign 114.215+/-0.015 χ^2/NDF: 3790674.8/50


asym_bpm0i01WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 5321.841+/-45.090 χ²/NDF: 61365.7/22
Left Out: -2591.379+/-37.643 χ²/NDF:47994.7/24
Right Out: -4844.667+/-42.944 χ²/NDF: 96144.4/27
Left In: 7296.193+/-39.576 χ²/NDF:24743.4/22
+ sign 658.687+/-28.897 χ²/NDF: 127510.2/47
All: 1185.831+/-20.505 χ²/NDF: 292289.1/98
- sign 1720.495+/-29.102 χ²/NDF: 164108.6/50

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: 153.427+/-0.030 χ^2/NDF: 1205605.8/27

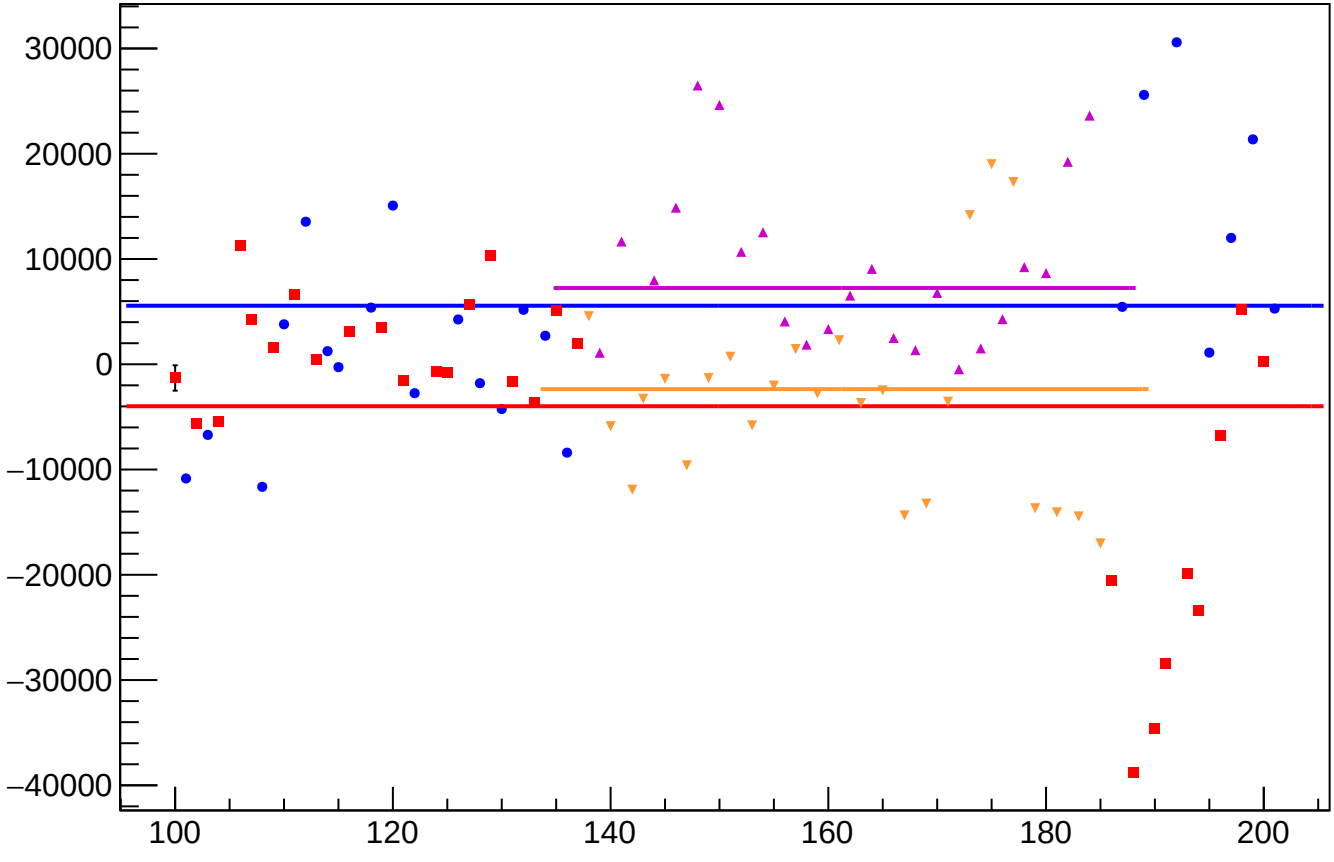
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 158.269+/-0.020 χ^2/NDF: 2179708.9/47

All: 159.045+/-0.014 χ^2/NDF: 4649600.5/98

- sign 159.832+/-0.021 χ^2/NDF: 2466986.7/50

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: -3988.001+/-36.110 χ^2/NDF: 132989.5/27

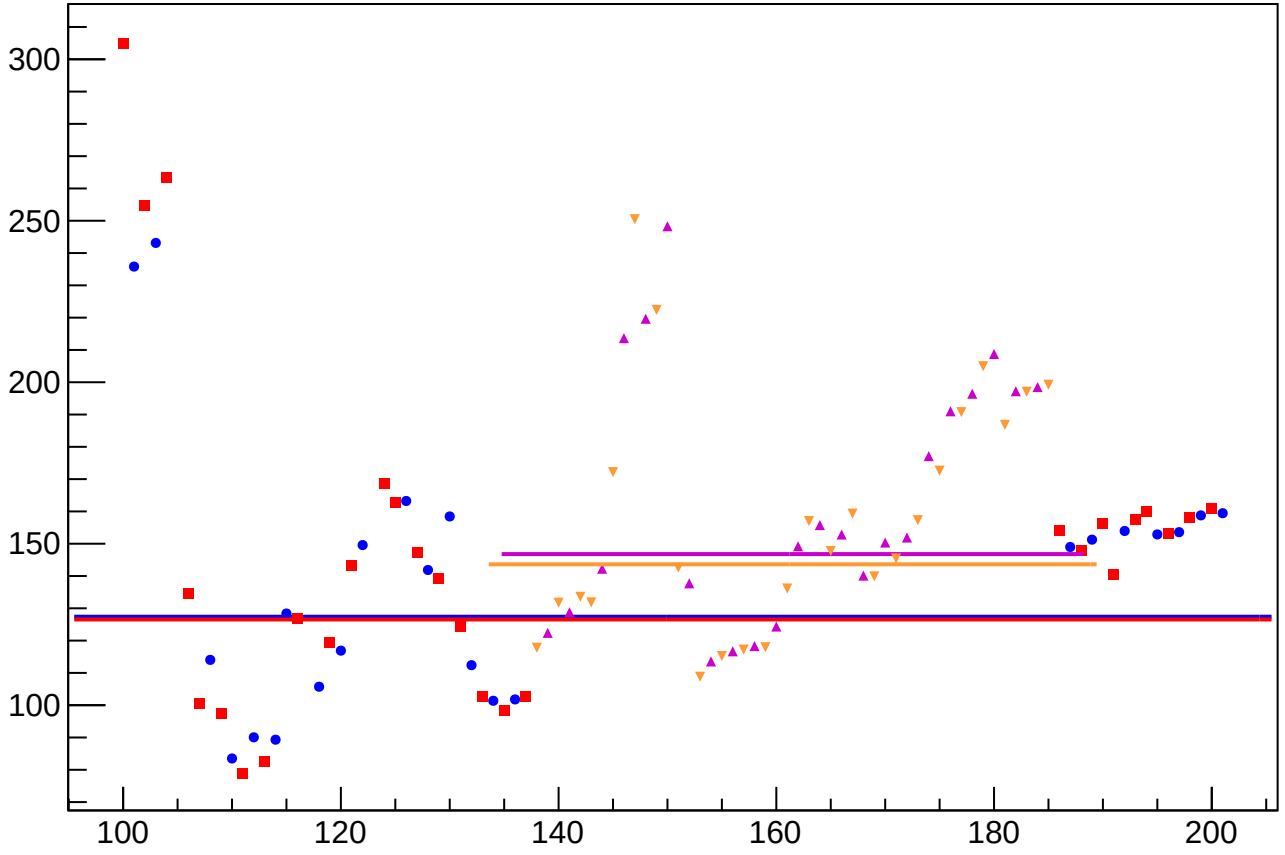
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

\+ sign 1106.182+/-25.257 χ^2/NDF: 168335.4/47

All: 1413.843+/-17.881 χ^2/NDF: 381266.7/98

\- sign 1722.980+/-25.318 χ^2/NDF: 212633.8/50

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: 126.547+/-0.026 χ^2/NDF: 1968560.8/27

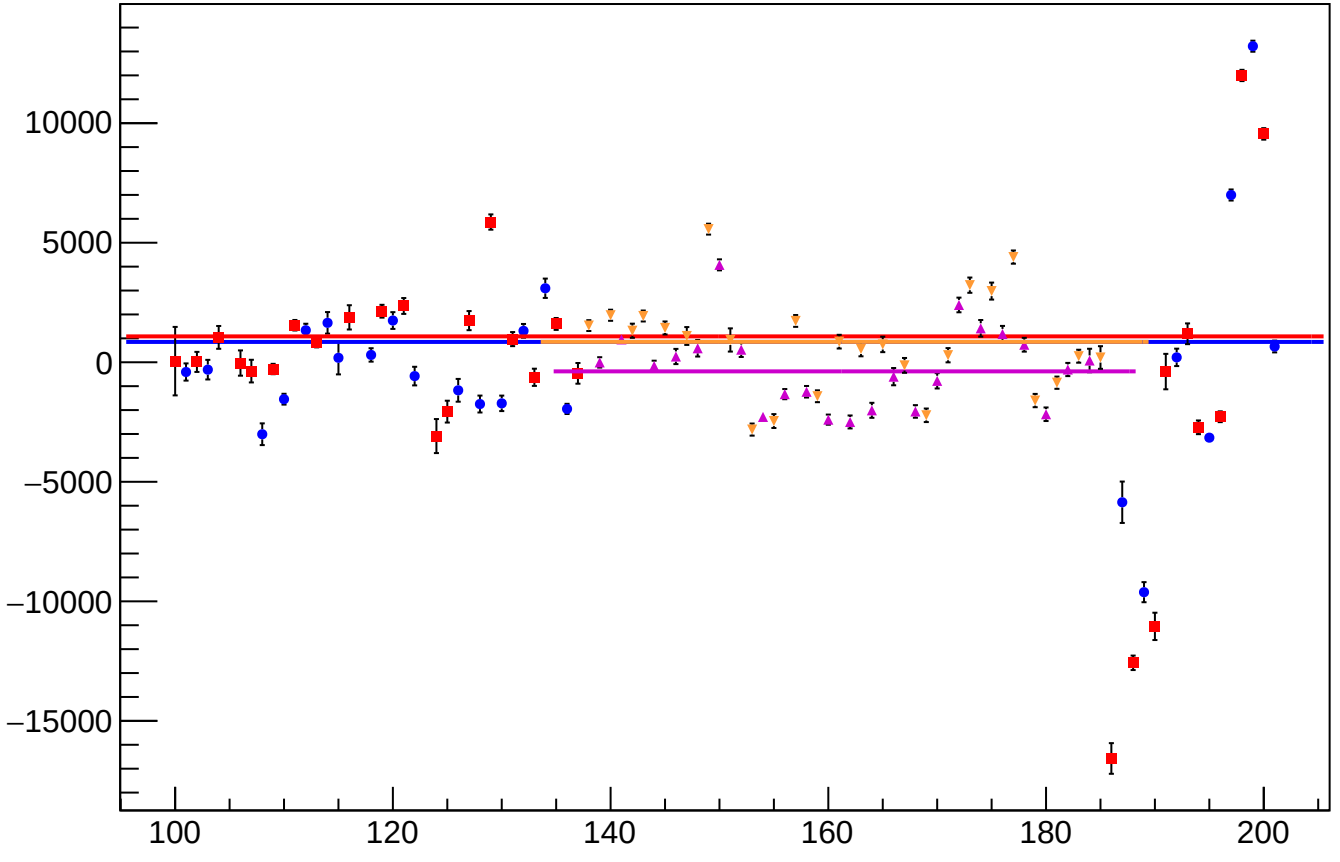
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 136.521+/-0.018 χ^2/NDF: 3444974.8/47

All: 136.680+/-0.013 χ^2/NDF: 7427888.1/98

- sign 136.840+/-0.018 χ^2/NDF: 3982753.7/50

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: 1082.553+/-61.815 χ^2/NDF: 7474.3/27

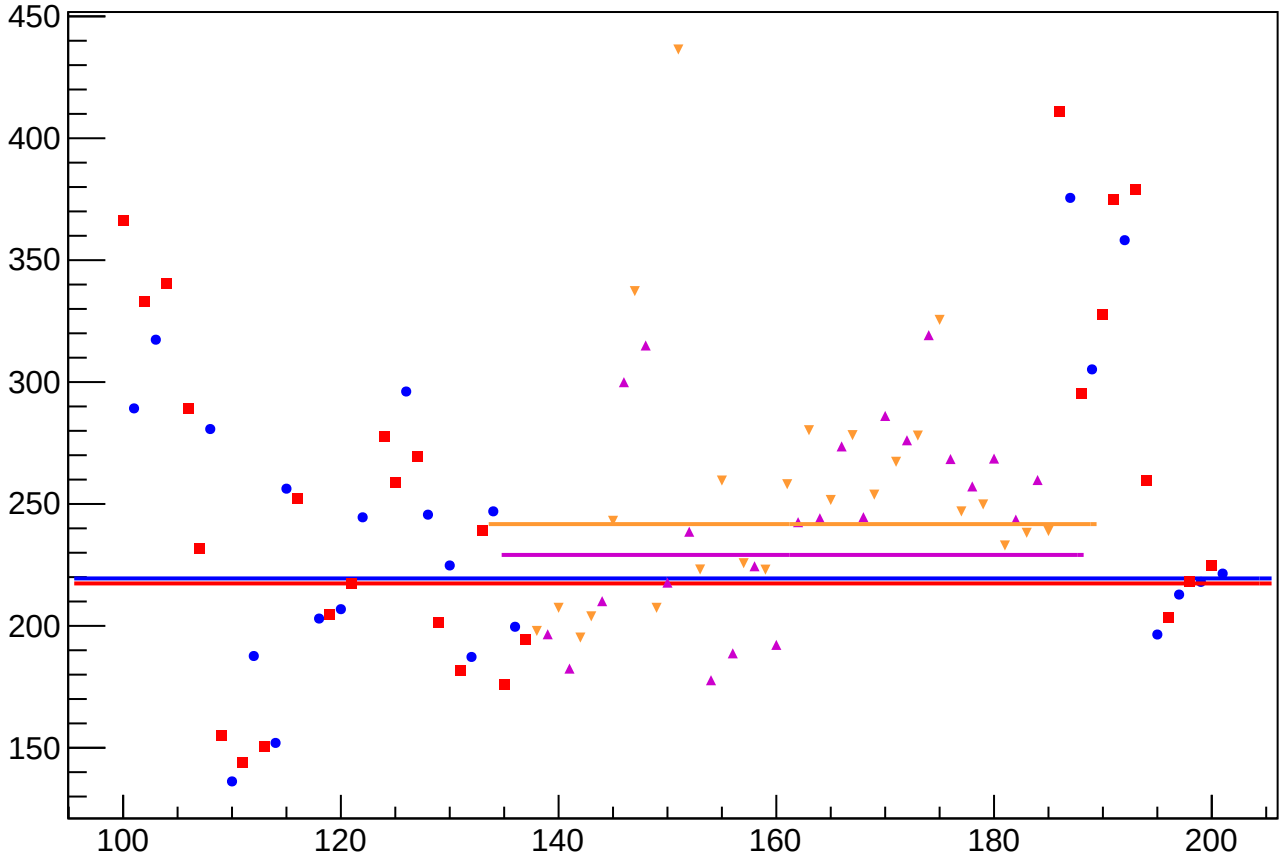
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 852.493+/-42.433 χ^2/NDF: 6632.5/47

All: 551.013+/-29.539 χ^2/NDF: 15499.4/98

- sign 267.535+/-41.146 χ^2/NDF: 8768.9/50

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: 217.410+/-0.044 χ^2/NDF: 1903080.8/27

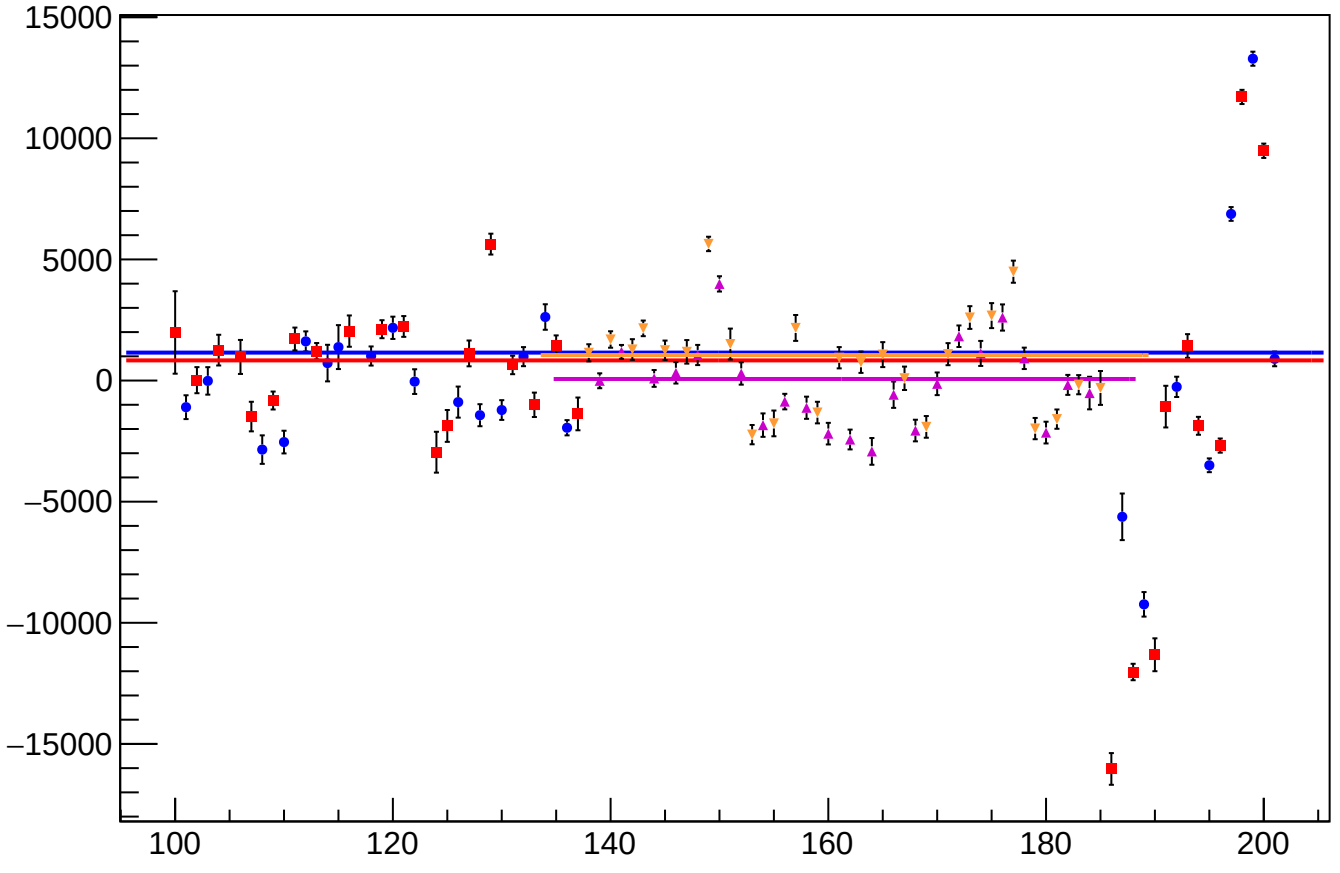
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.149+/-0.030 χ^2/NDF: 2292891.4/47

All: 227.909+/-0.021 χ^2/NDF: 5343537.2/98

- sign 223.922+/-0.029 χ^2/NDF: 3011903.2/50

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: 832.160+/-84.821 χ^2/NDF: 5115.7/27

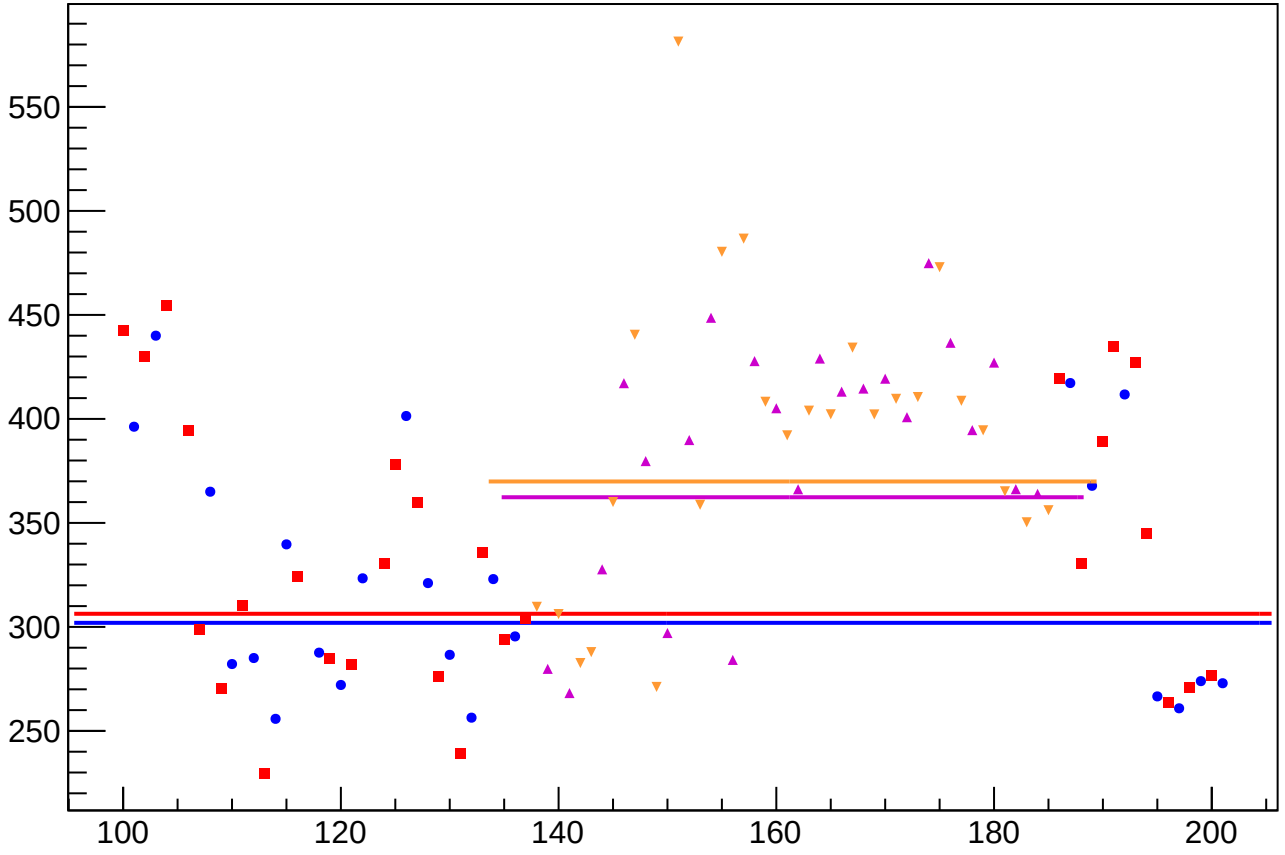
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

\+ sign 1102.564+/-61.364 χ^2/NDF: 3841.9/47

All: 775.645+/-43.124 χ^2/NDF: 9448.1/98

\- sign 456.632+/-60.617 χ^2/NDF: 5550.1/50

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: 306.315+/-0.060 χ^2/NDF: 904182.8/27

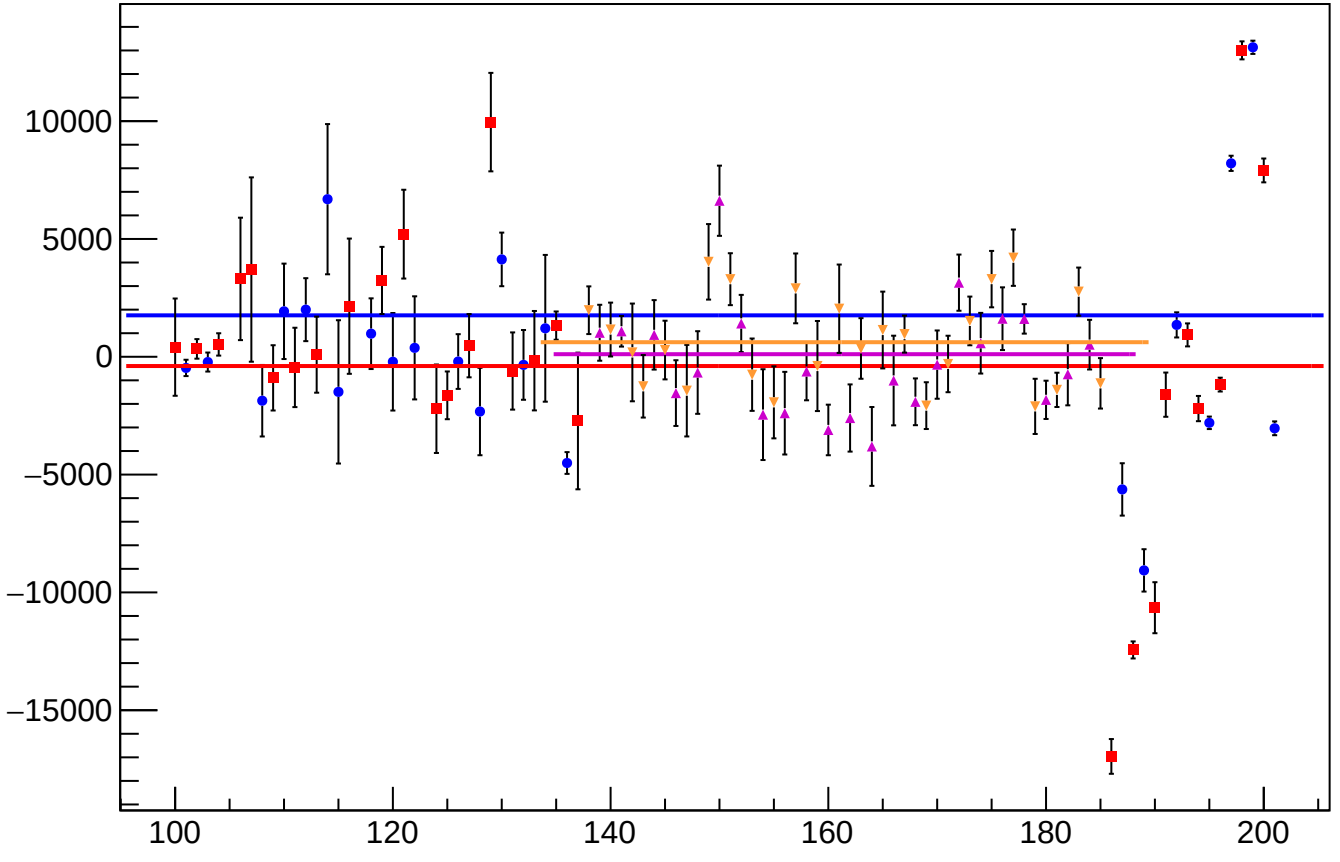
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 336.647+/-0.043 χ^2/NDF: 2485794.0/47

All: 335.169+/-0.030 χ^2/NDF: 4872604.5/98

- sign 333.727+/-0.043 χ^2/NDF: 2384518.3/50

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: -393.048+/-129.171 χ^2/NDF: 3294.9/27

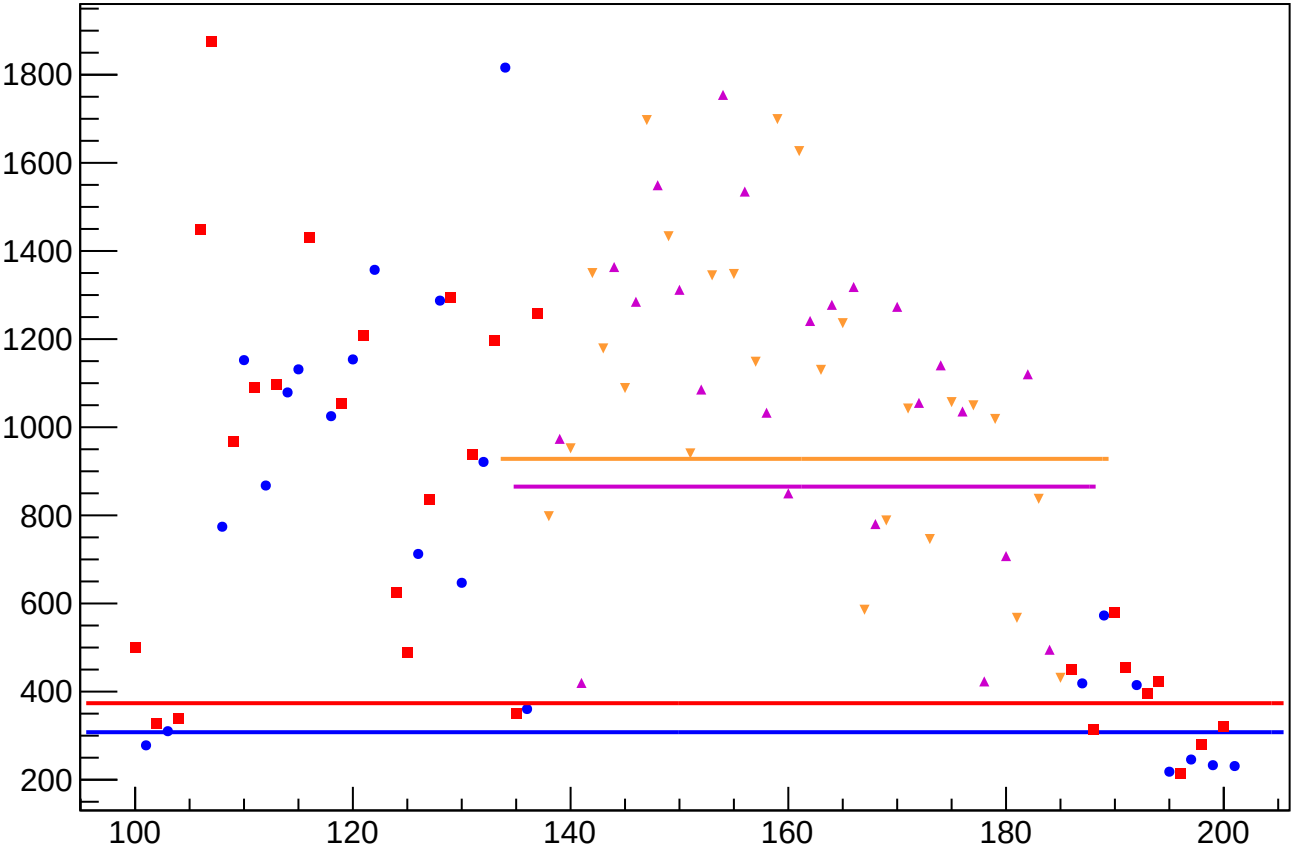
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 1547.076+/-102.516 χ^2/NDF: 3148.2/47

All: 726.925+/-76.080 χ^2/NDF: 6660.7/98

- sign -278.566+/-113.510 χ^2/NDF: 3370.0/50

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: 373.707+/-0.091 χ^2/NDF: 5270041.9/27

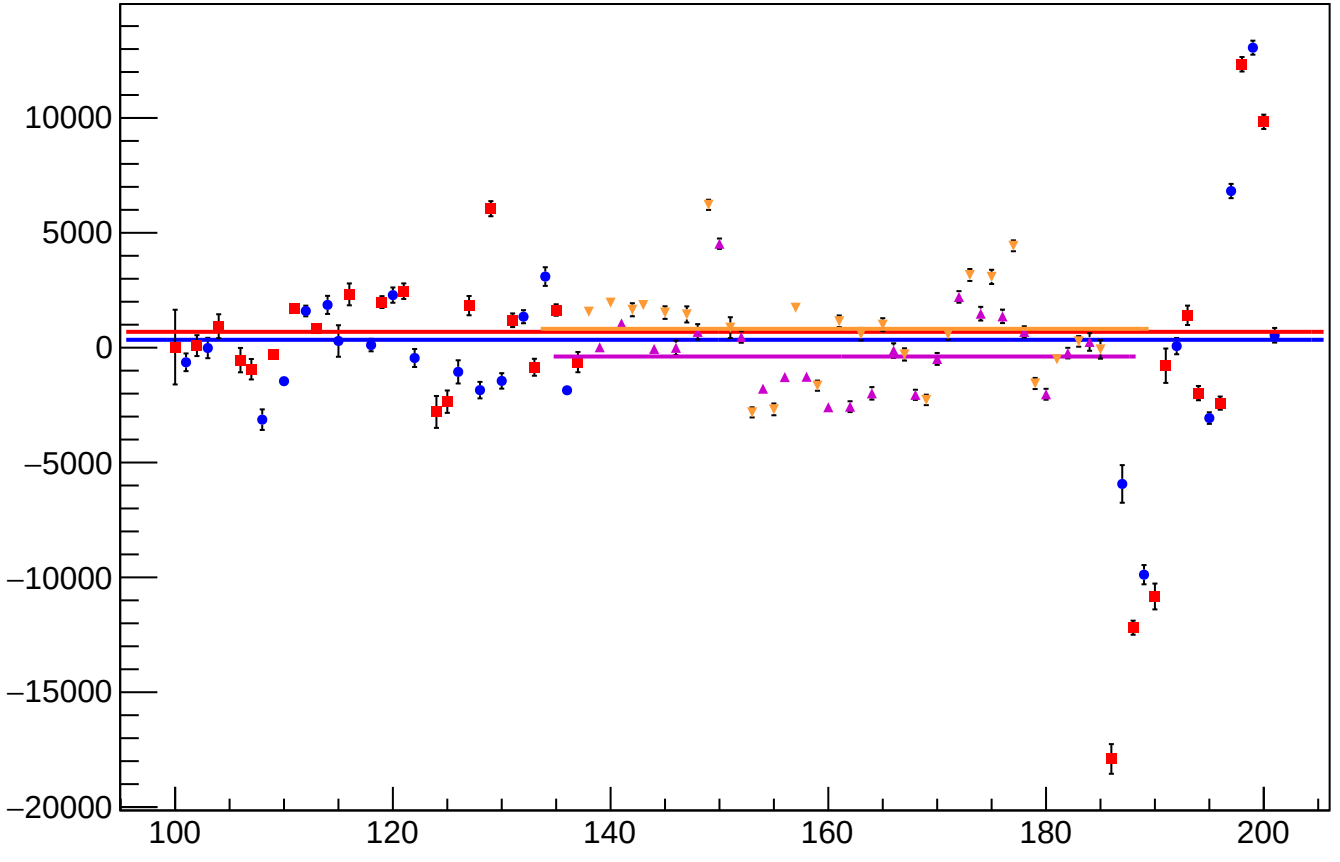
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 422.820+/-0.072 χ^2/NDF: 19442164.2/47

All: 451.055+/-0.054 χ^2/NDF: 36439133.9/98

- sign 485.671+/-0.080 χ^2/NDF: 16659247.7/50

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: 689.532+/-62.773 χ^2/NDF: 5952.6/27

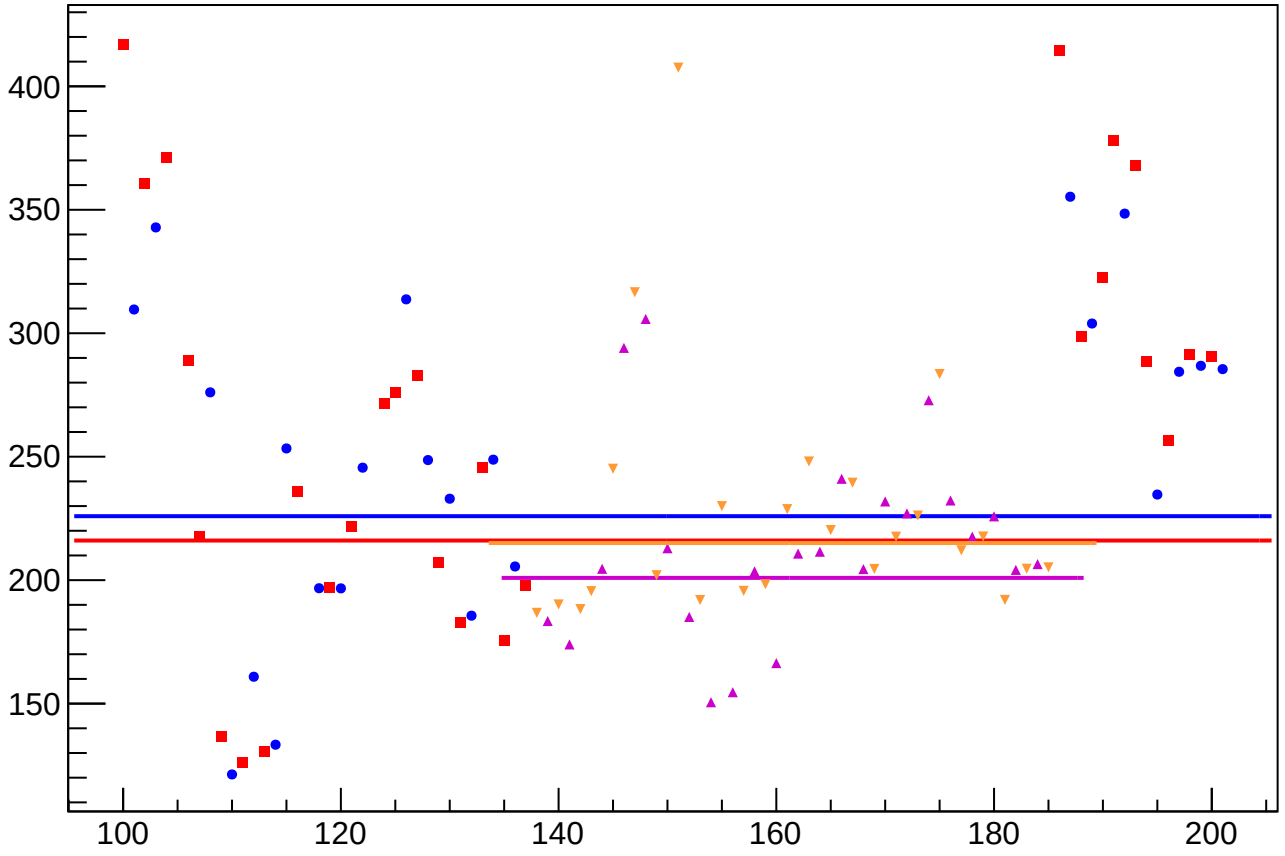
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 651.813+/-40.202 χ^2/NDF: 5500.0/47

All: 319.084+/-27.752 χ^2/NDF: 13020.4/98

- sign 16.192+/-38.357 χ^2/NDF: 7389.5/50

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: 216.043+/-0.044 χ^2/NDF: 2953910.1/27

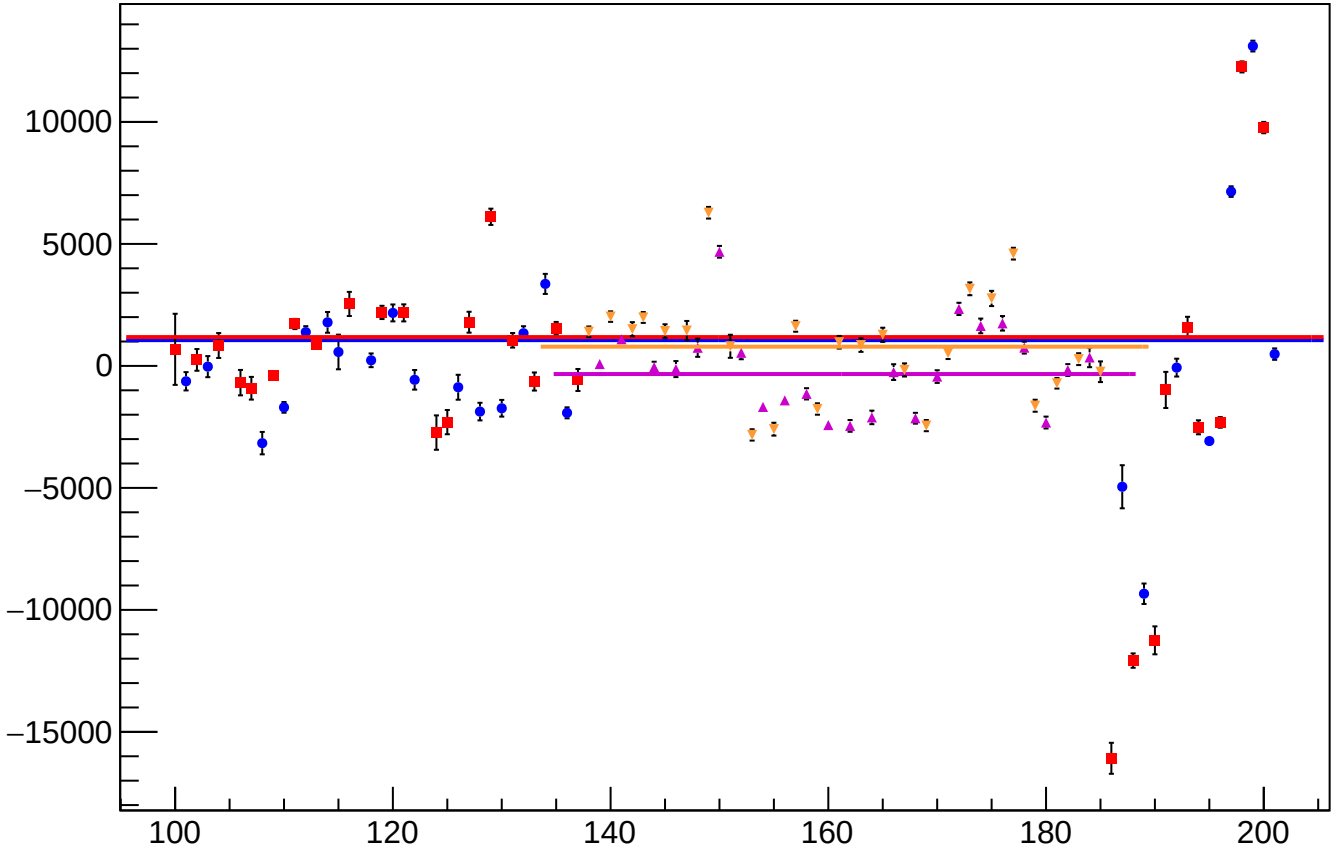
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 218.872+/-0.028 χ^2/NDF: 2750115.0/47

All: 212.429+/-0.020 χ^2/NDF: 6980756.4/98

- sign 206.565+/-0.027 χ^2/NDF: 4132525.1/50

asym_bpm0l05WS_mean vs Slug



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: 1181.571+/-60.999 χ^2/NDF: 7914.5/27

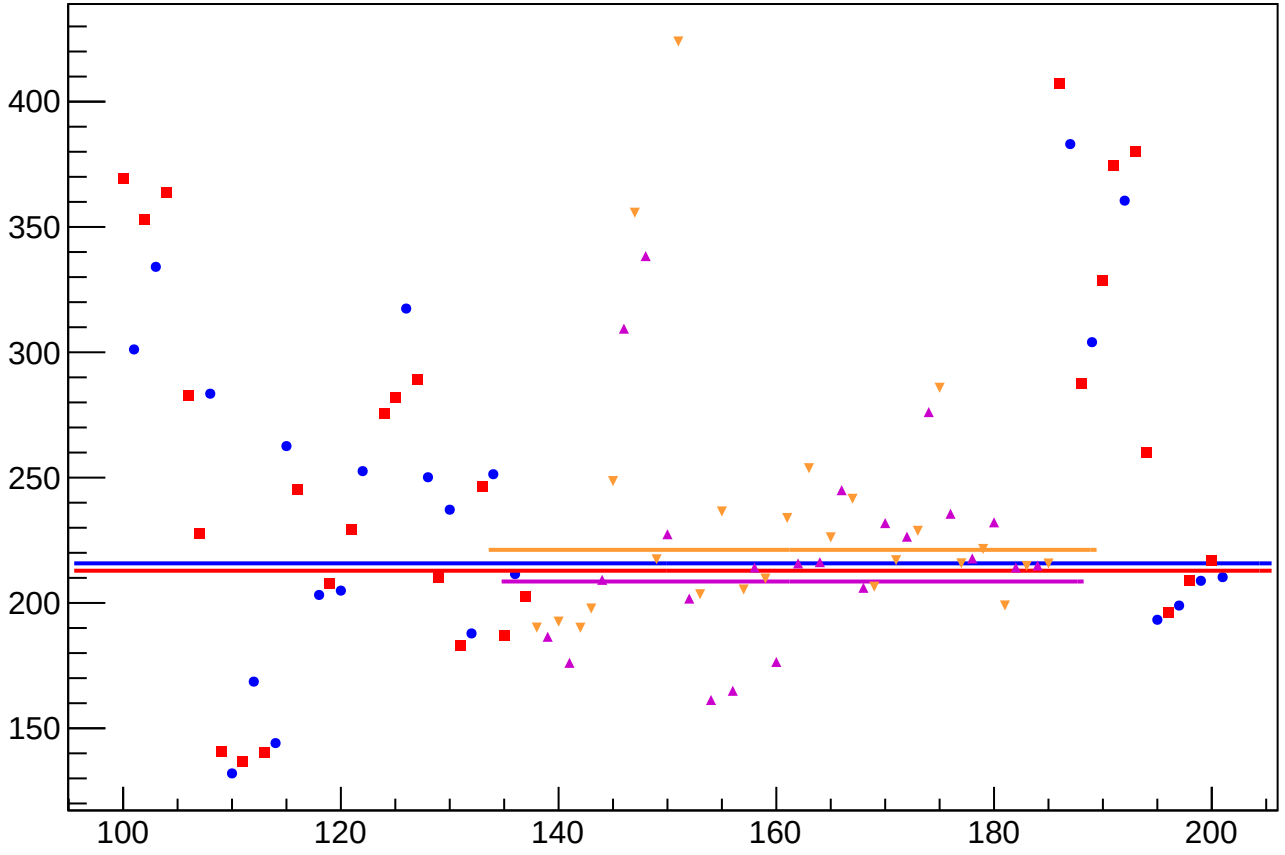
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 893.484+/-40.068 χ^2/NDF: 7392.5/47

All: 575.688+/-27.858 χ^2/NDF: 17011.8/98

- sign 278.309+/-38.759 χ^2/NDF: 9497.5/50

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

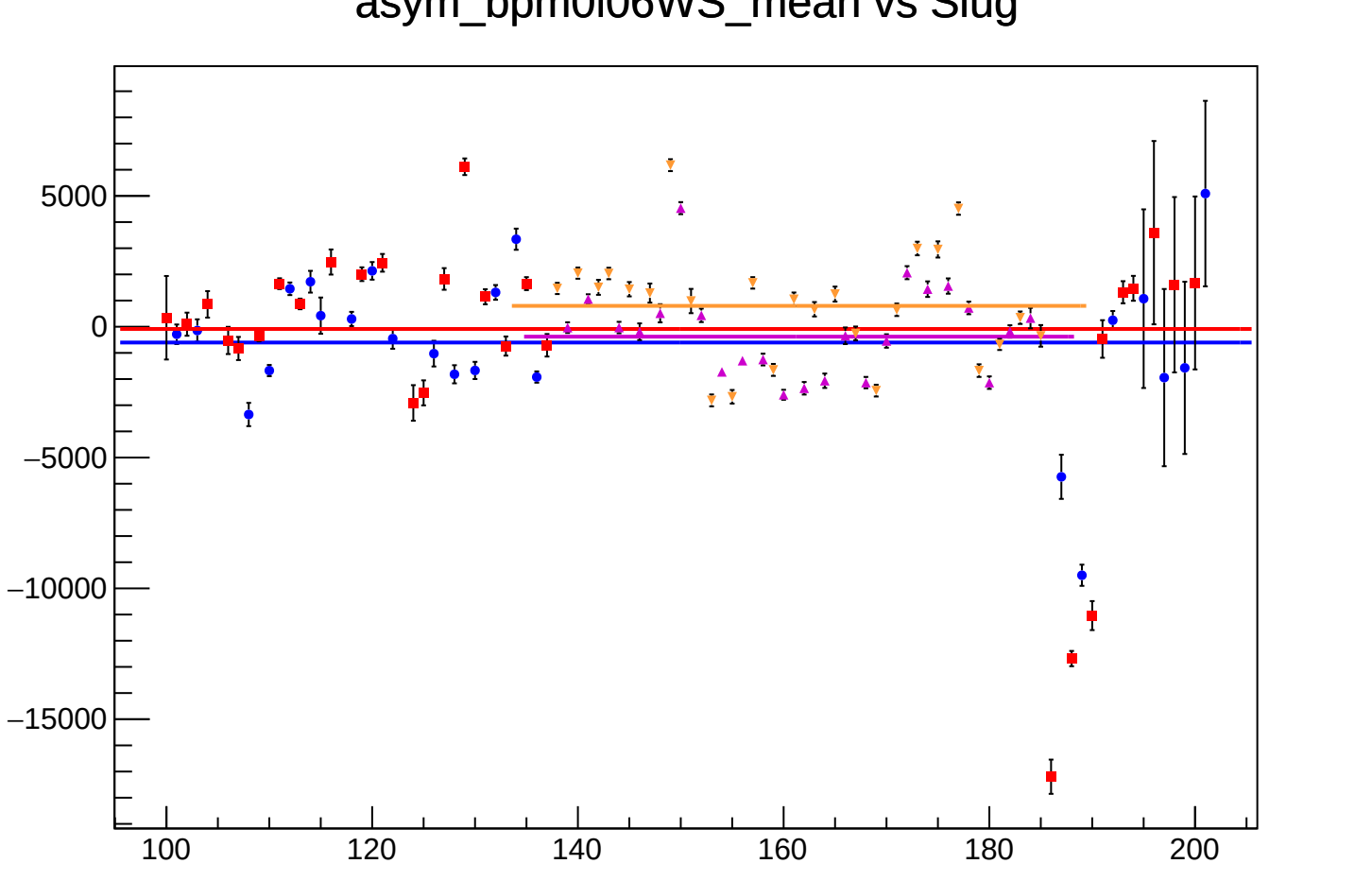
Right Out: 212.861+/-0.043 χ^2/NDF: 2248176.0/27

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 219.067+/-0.028 χ^2/NDF: 2349863.7/47

All: 214.535+/-0.020 χ^2/NDF: 5689150.3/98

- sign 210.294+/-0.027 χ^2/NDF: 3289753.0/50



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: -84.947+/-68.143 χ^2/NDF: 3731.8/27

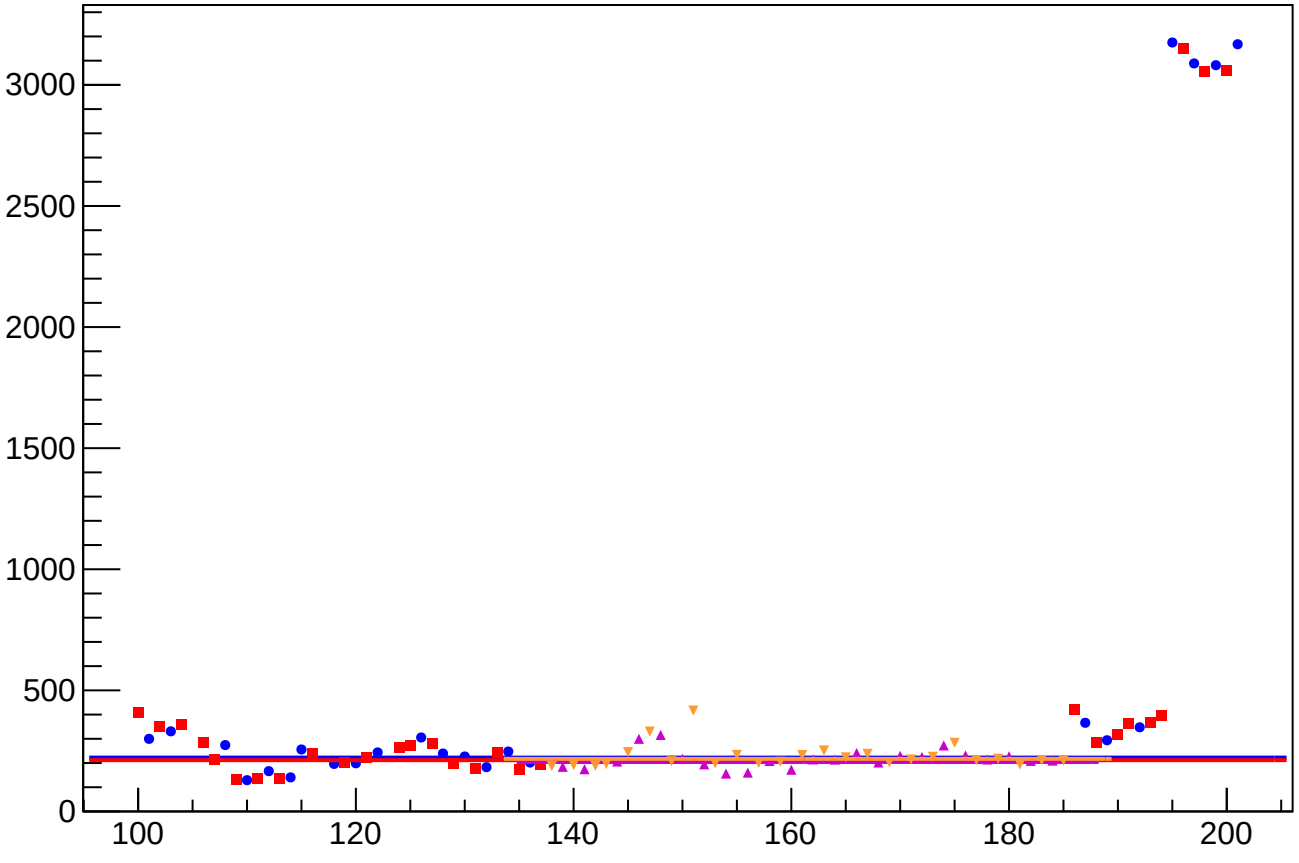
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.733+/-42.128 χ^2/NDF: 3174.3/47

All: 28.721+/-28.962 χ^2/NDF: 8245.3/98

- sign -278.663+/-39.881 χ^2/NDF: 4945.3/50

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: 211.708+/-0.048 χ^2/NDF: 6949546.6/27

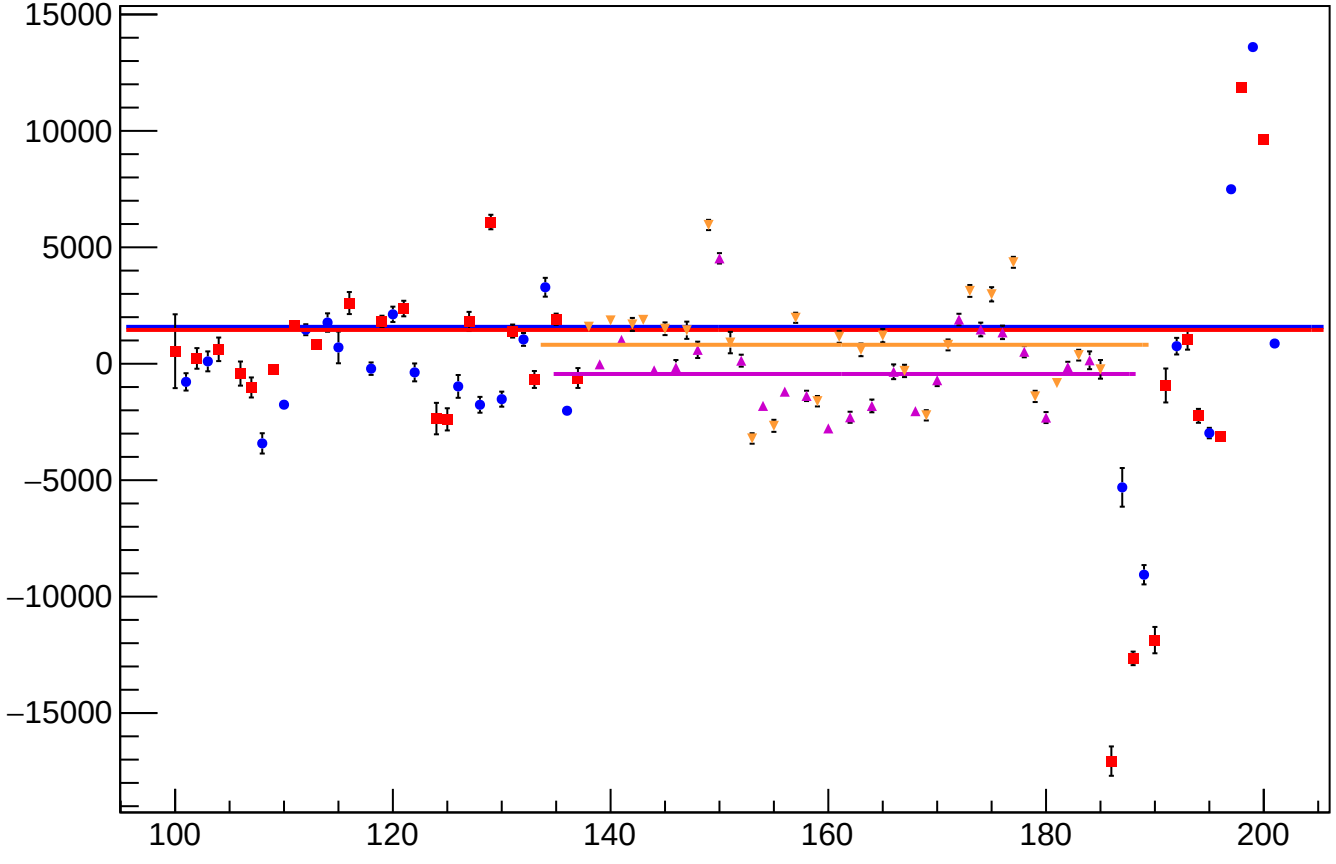
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 218.783+/-0.030 χ^2/NDF: 8074413.7/47

All: 212.486+/-0.020 χ^2/NDF: 16139251.5/98

- sign 206.843+/-0.028 χ^2/NDF: 7980103.6/50

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: 1452.184+/-57.407 χ^2/NDF: 9396.0/27

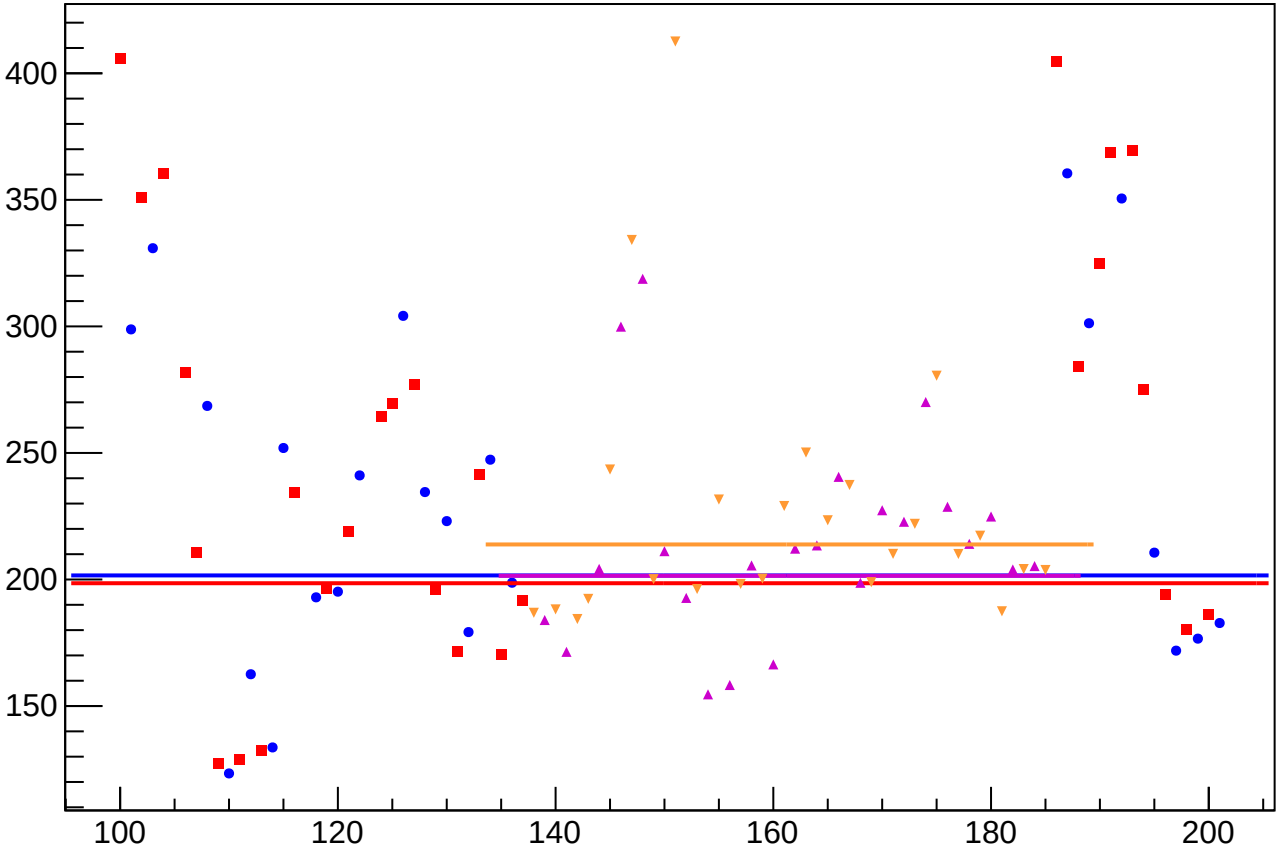
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 1127.075+/-38.350 χ^2/NDF: 9295.9/47

All: 724.739+/-26.651 χ^2/NDF: 20773.0/98

- sign 348.929+/-37.064 χ^2/NDF: 11264.3/50

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: 198.528+/-0.041 χ^2/NDF: 2627893.2/27

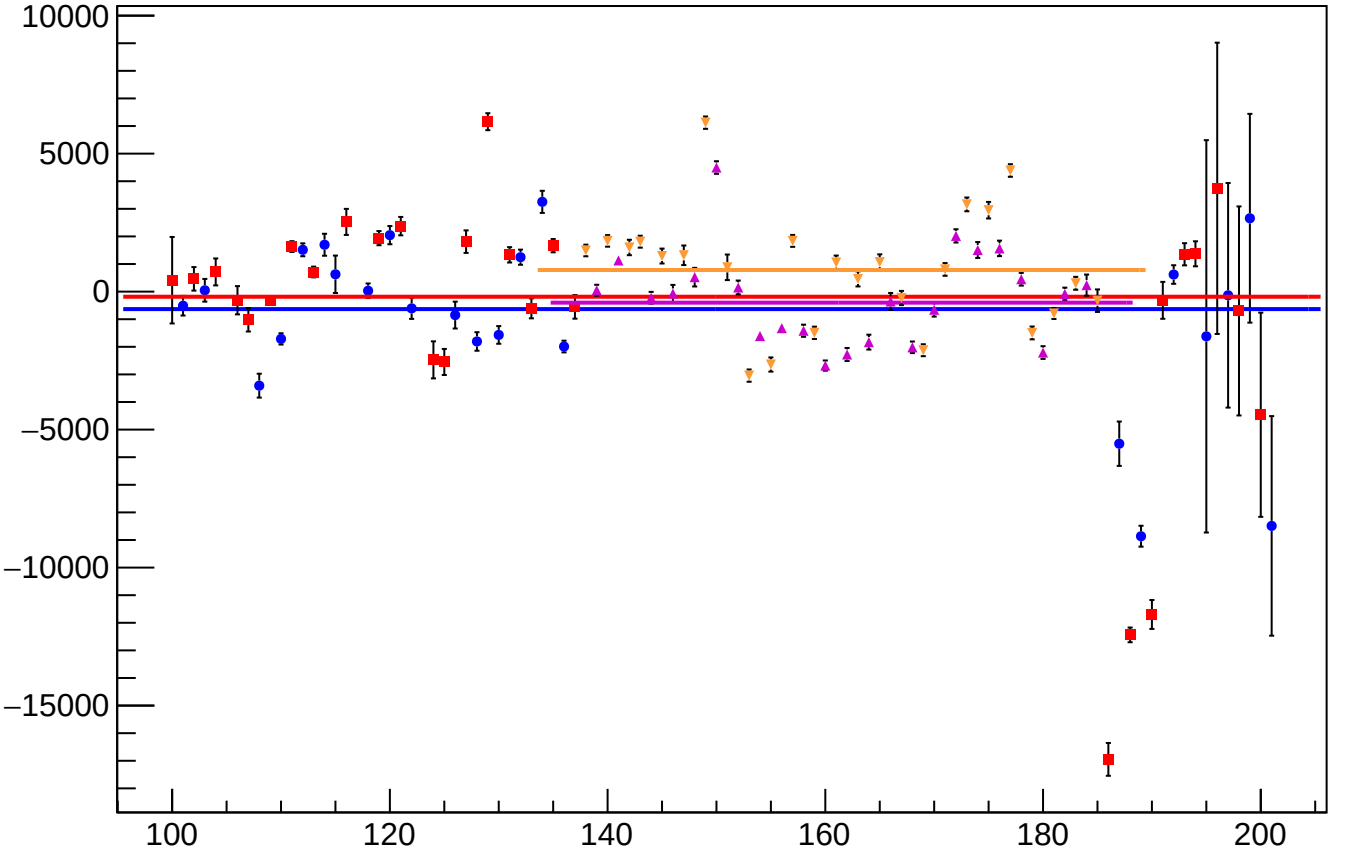
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 208.878+/-0.027 χ^2/NDF: 2613399.5/47

All: 204.406+/-0.019 χ^2/NDF: 6358874.6/98

- sign 200.229+/-0.026 χ^2/NDF: 3692877.8/50

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: -184.991+/-65.456 χ^2/NDF: 4273.8/27

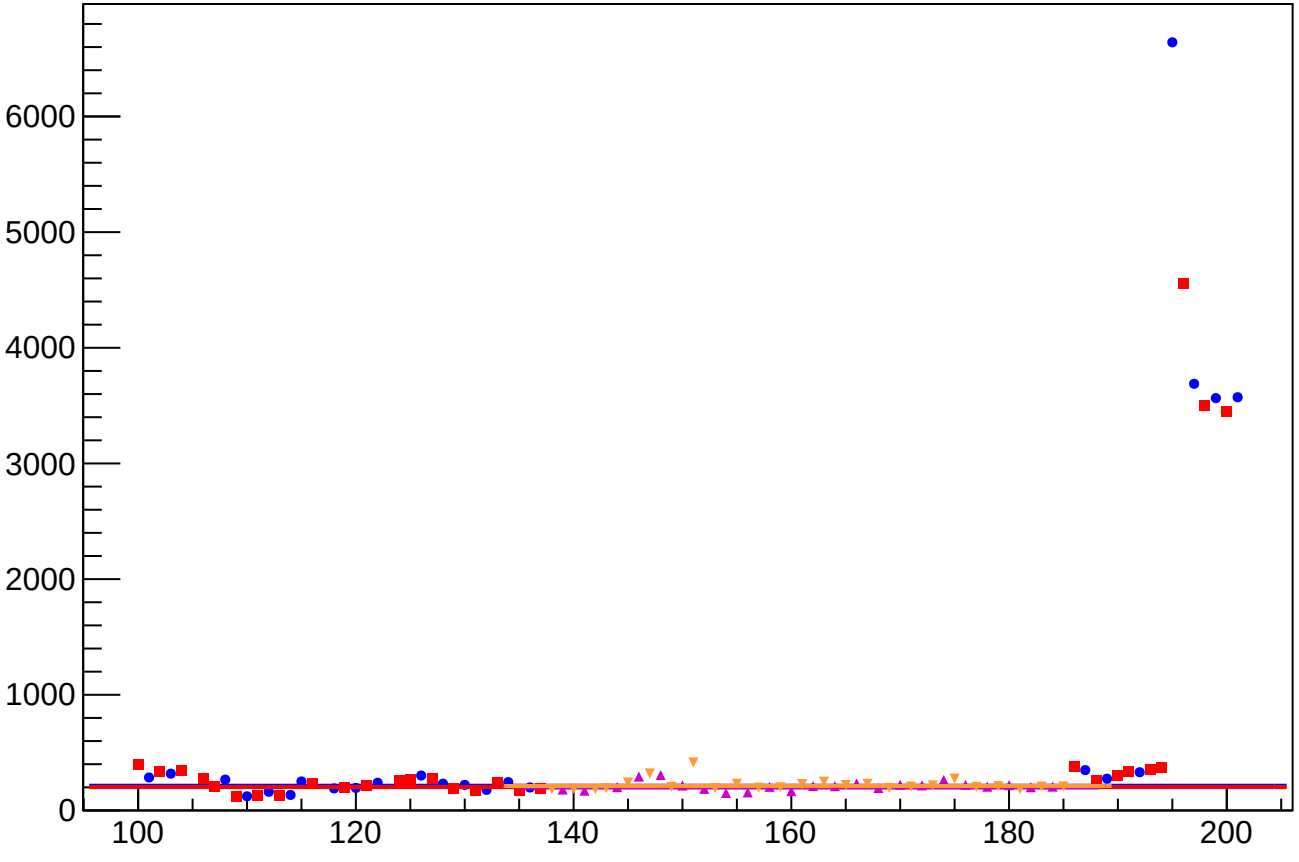
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 348.523+/-40.974 χ^2/NDF: 3252.2/47

All: -8.233+/-28.101 χ^2/NDF: 8908.2/98

- sign -325.049+/-38.612 χ^2/NDF: 5512.9/50

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: 202.198+/-0.046 χ^2/NDF: 7011452.3/27

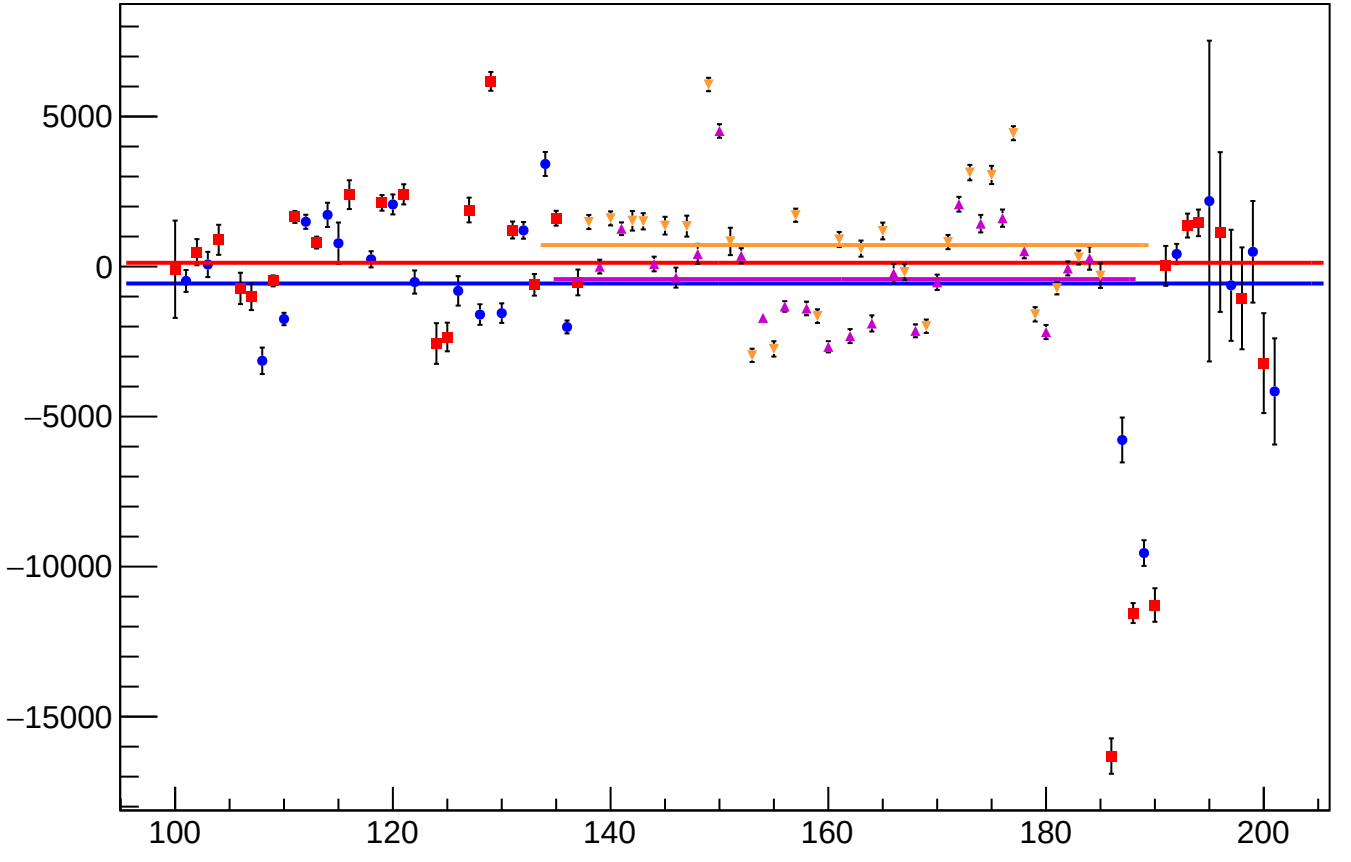
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 212.194+/-0.029 χ^2/NDF: 8361209.8/47

All: 205.631+/-0.020 χ^2/NDF: 16480107.5/98

- sign 199.803+/-0.027 χ^2/NDF: 8022018.1/50

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: 125.583+/-67.186 χ^2/NDF: 3163.2/27

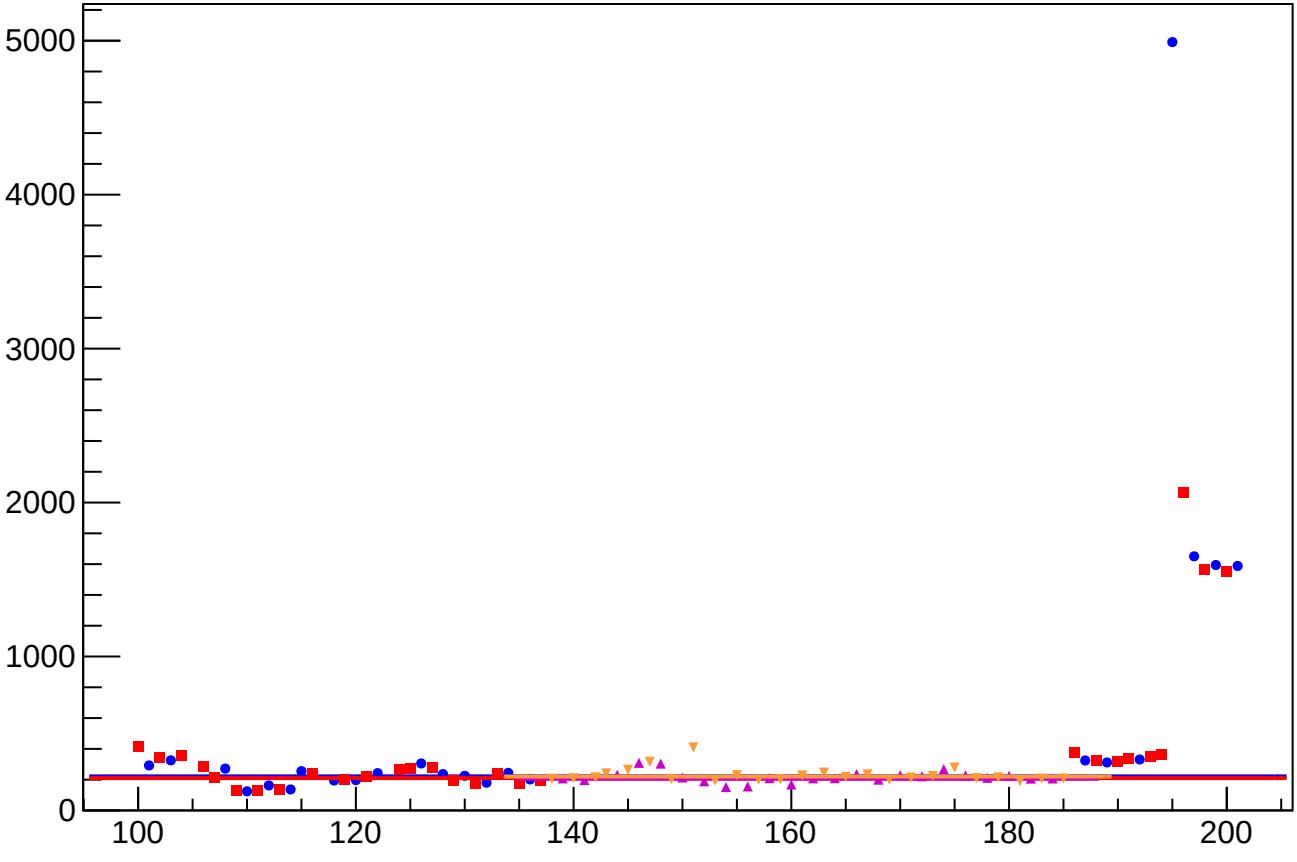
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 310.173+/-42.250 χ^2/NDF: 3074.6/47

All: 25.989+/-28.995 χ^2/NDF: 7606.7/98

- sign -227.003+/-39.864 χ^2/NDF: 4446.6/50

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: 210.384+/-0.048 χ^2/NDF: 6242240.3/27

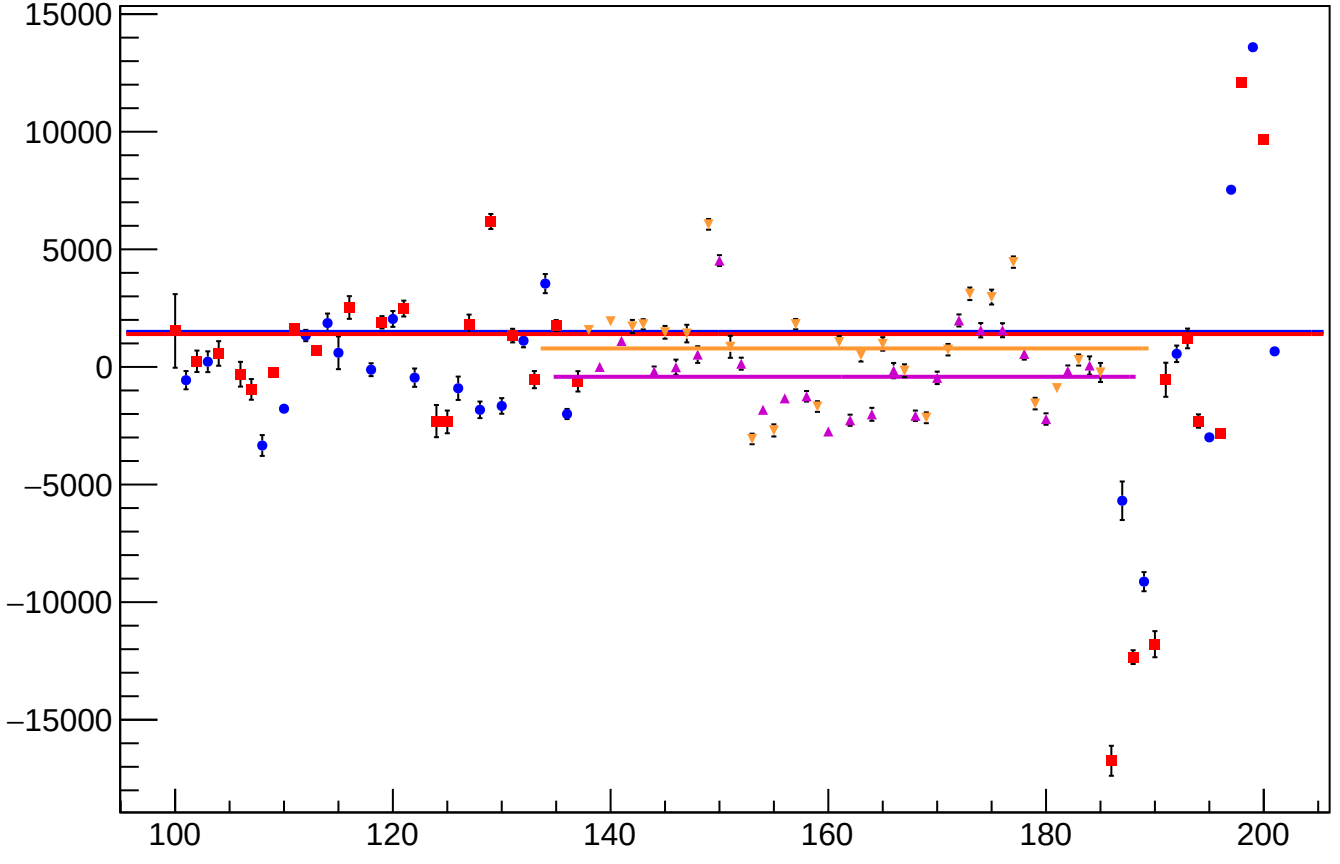
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 220.520+/-0.030 χ^2/NDF: 7480887.9/47

All: 213.477+/-0.021 χ^2/NDF: 14849034.9/98

- sign 207.208+/-0.028 χ^2/NDF: 7263106.6/50

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: 1397.212+/-58.465 χ^2/NDF: 9022.2/27

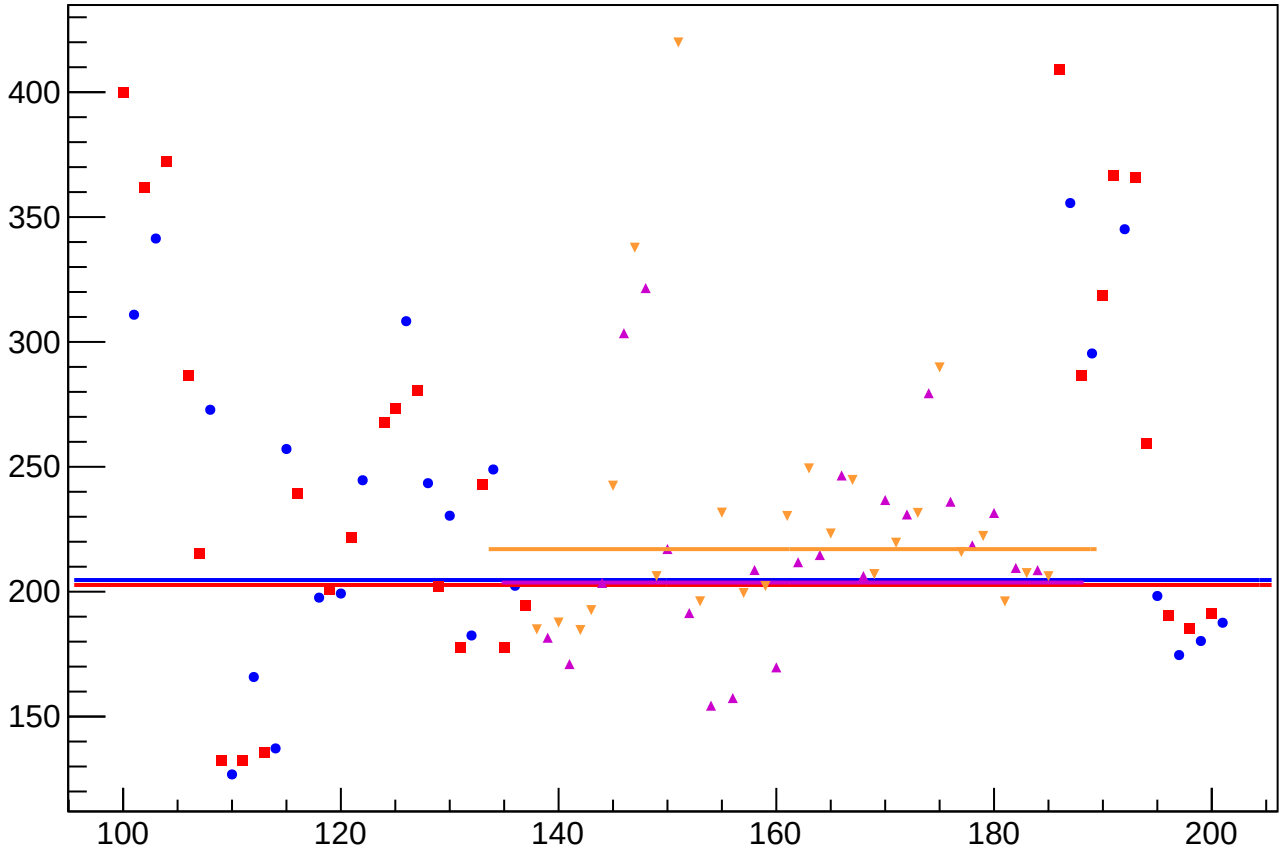
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 1072.637+/-38.925 χ^2/NDF: 9057.0/47

All: 690.342+/-27.052 χ^2/NDF: 20042.0/98

- sign 333.199+/-37.623 χ^2/NDF: 10798.5/50

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: 202.694+/-0.041 χ^2/NDF: 2467803.0/27

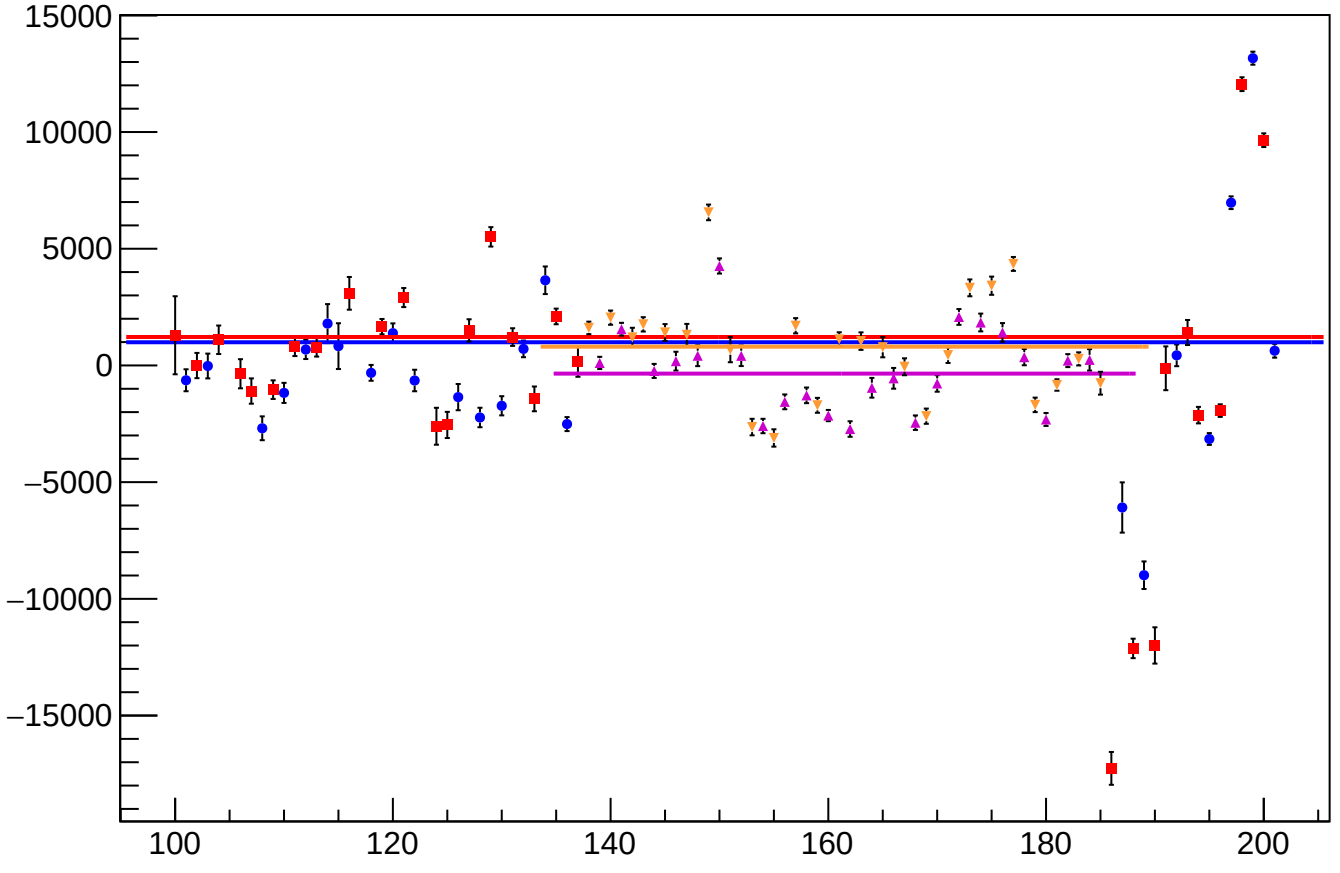
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 212.013+/-0.028 χ^2/NDF: 2577247.5/47

All: 207.487+/-0.019 χ^2/NDF: 6262983.8/98

- sign 203.260+/-0.027 χ^2/NDF: 3633457.5/50

asym_bpm0r03WS_mean vs Slug



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: 1218.903+/-83.296 χ^2/NDF: 4697.1/27

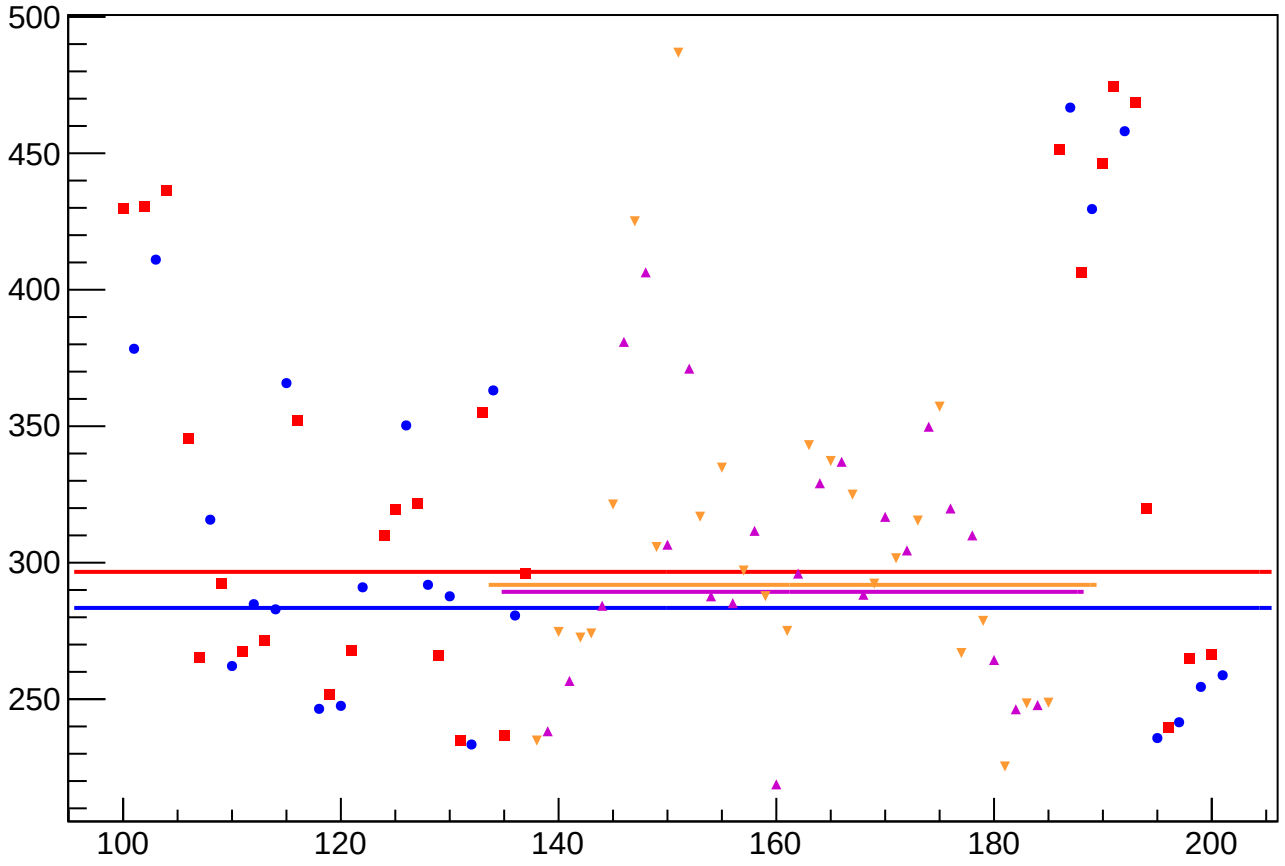
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 878.891+/-52.594 χ^2/NDF: 4448.7/47

All: 586.556+/-37.378 χ^2/NDF: 10074.7/98

- sign 288.241+/-53.130 χ^2/NDF: 5563.6/50

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: 296.637+/-0.059 χ^2/NDF: 1229752.0/27

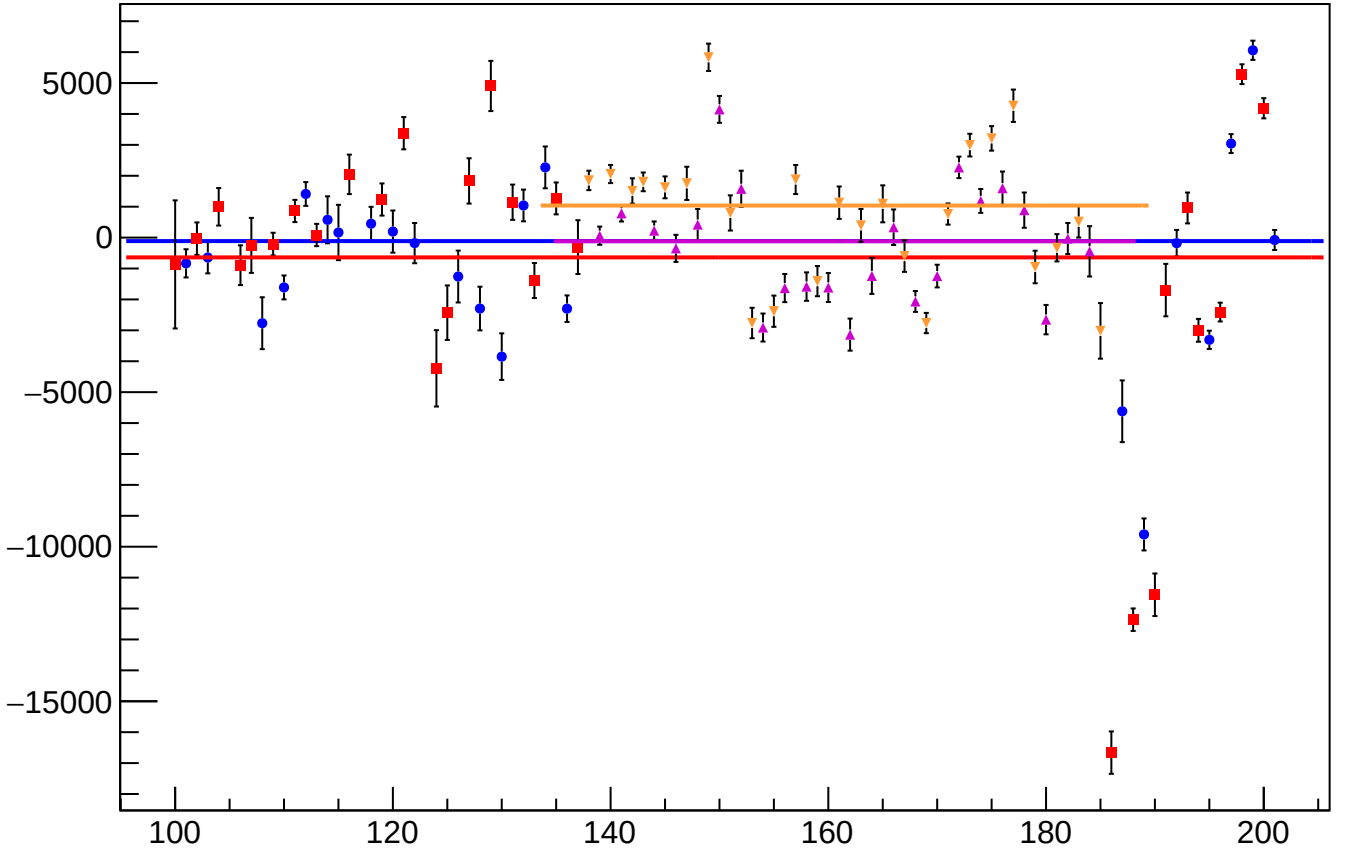
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 288.531+/-0.037 χ^2/NDF: 1955993.8/47

All: 290.395+/-0.026 χ^2/NDF: 4008582.1/98

- sign 292.298+/-0.038 χ^2/NDF: 2047510.5/50

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: -640.526+/-93.651 χ^2/NDF: 2703.1/27

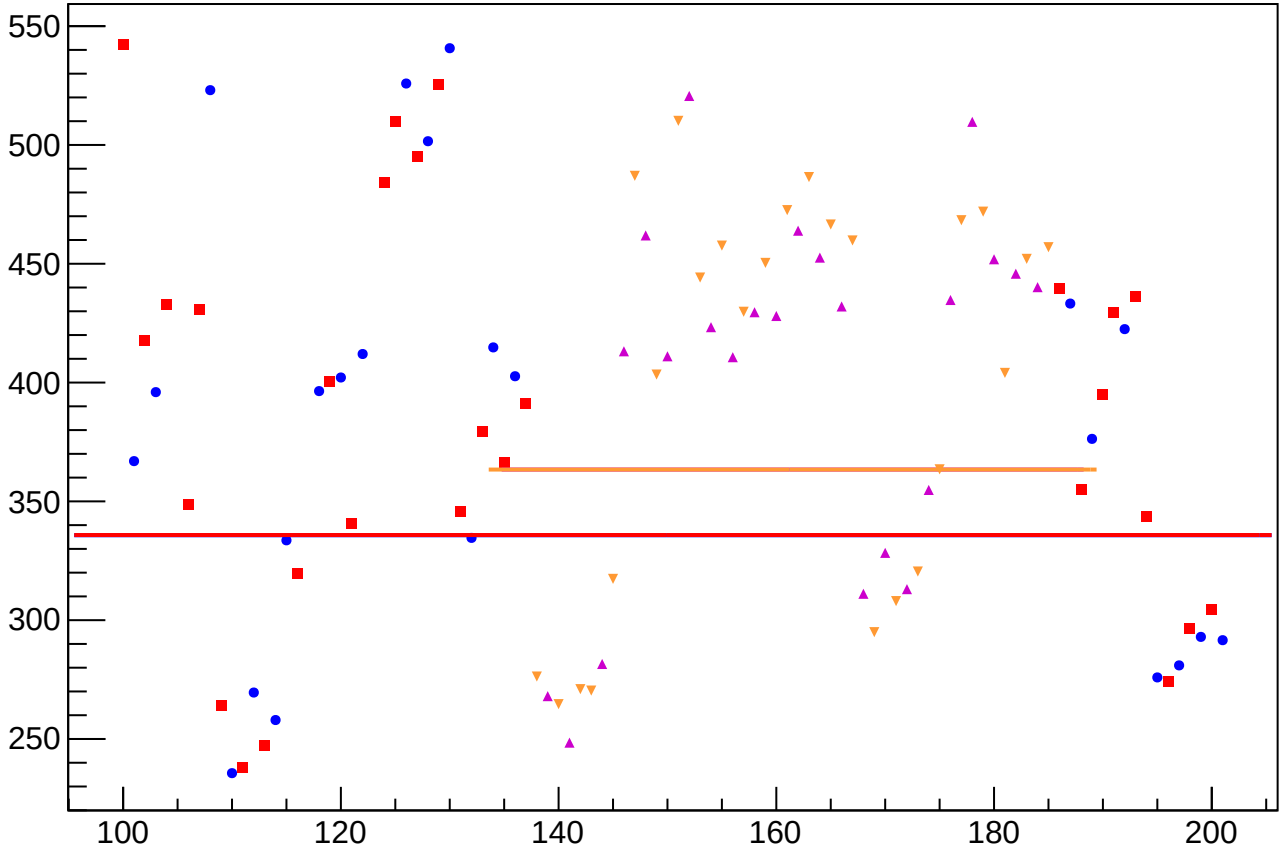
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 544.754+/-64.429 χ^2/NDF: 1758.8/47

All: 88.284+/-45.378 χ^2/NDF: 4948.6/98

- sign -361.004+/-63.921 χ^2/NDF: 3090.1/50

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: 335.832+/-0.066 χ^2/NDF: 1161788.6/27

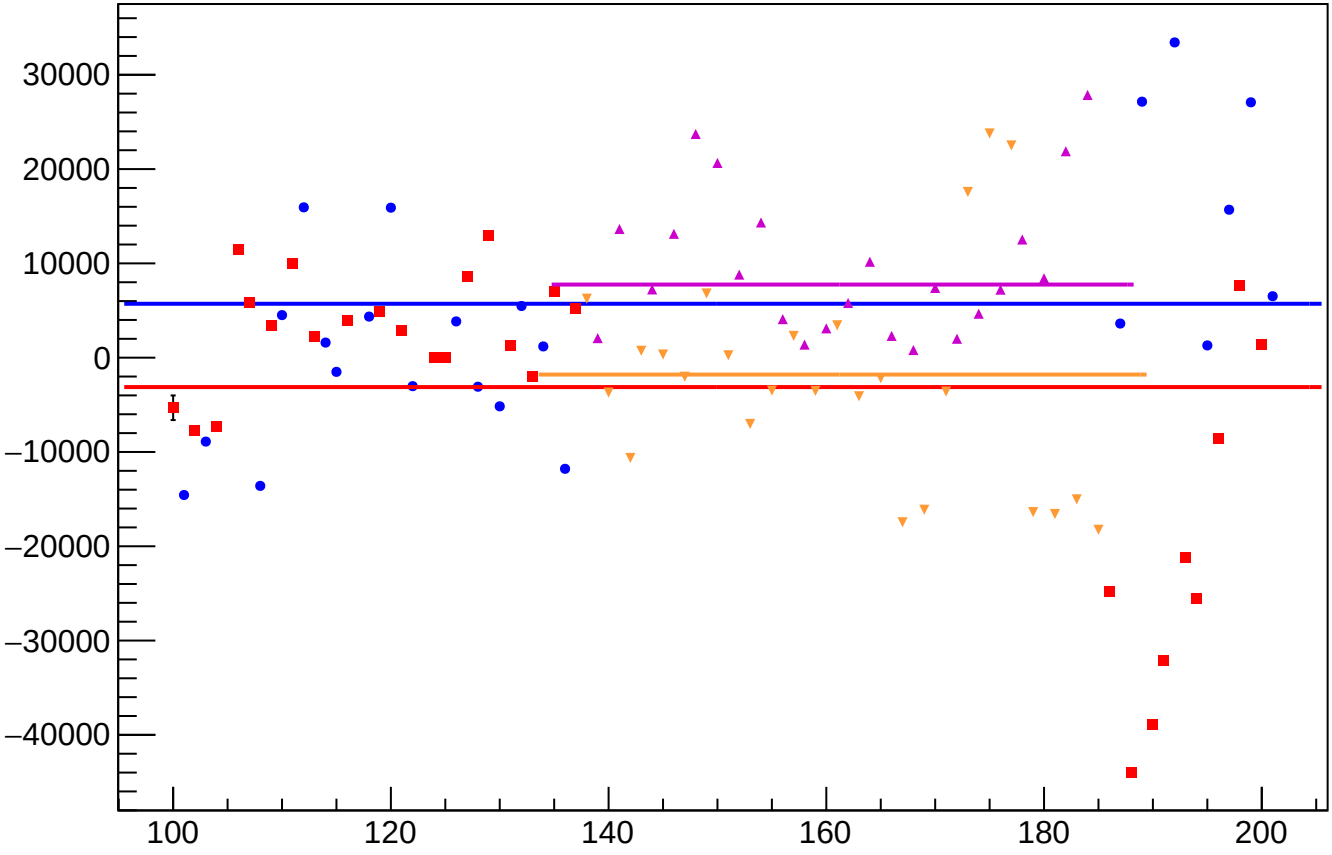
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 351.549+/-0.046 χ^2/NDF: 3224121.1/47

All: 351.046+/-0.032 χ^2/NDF: 6190231.2/98

- sign 350.550+/-0.045 χ^2/NDF: 2965867.5/50

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: -3117.391+/-42.139 χ^2/NDF: 132985.0/27

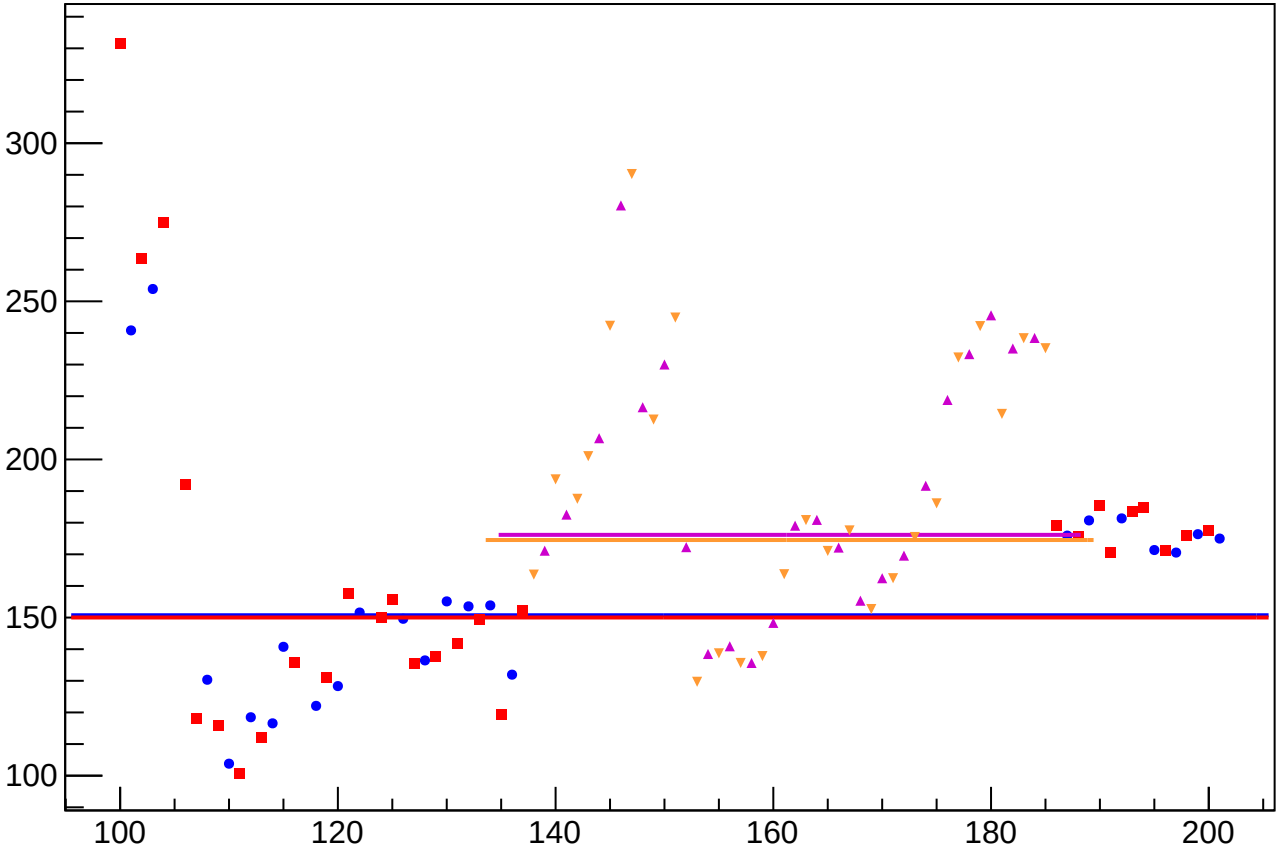
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 1650.352+/-30.109 χ^2/NDF: 169358.4/47

All: 1958.370+/-21.233 χ^2/NDF: 358772.0/98

- sign 2263.102+/-29.948 χ^2/NDF: 189205.4/50

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: 150.024+/-0.030 χ^2/NDF: 1364678.6/27

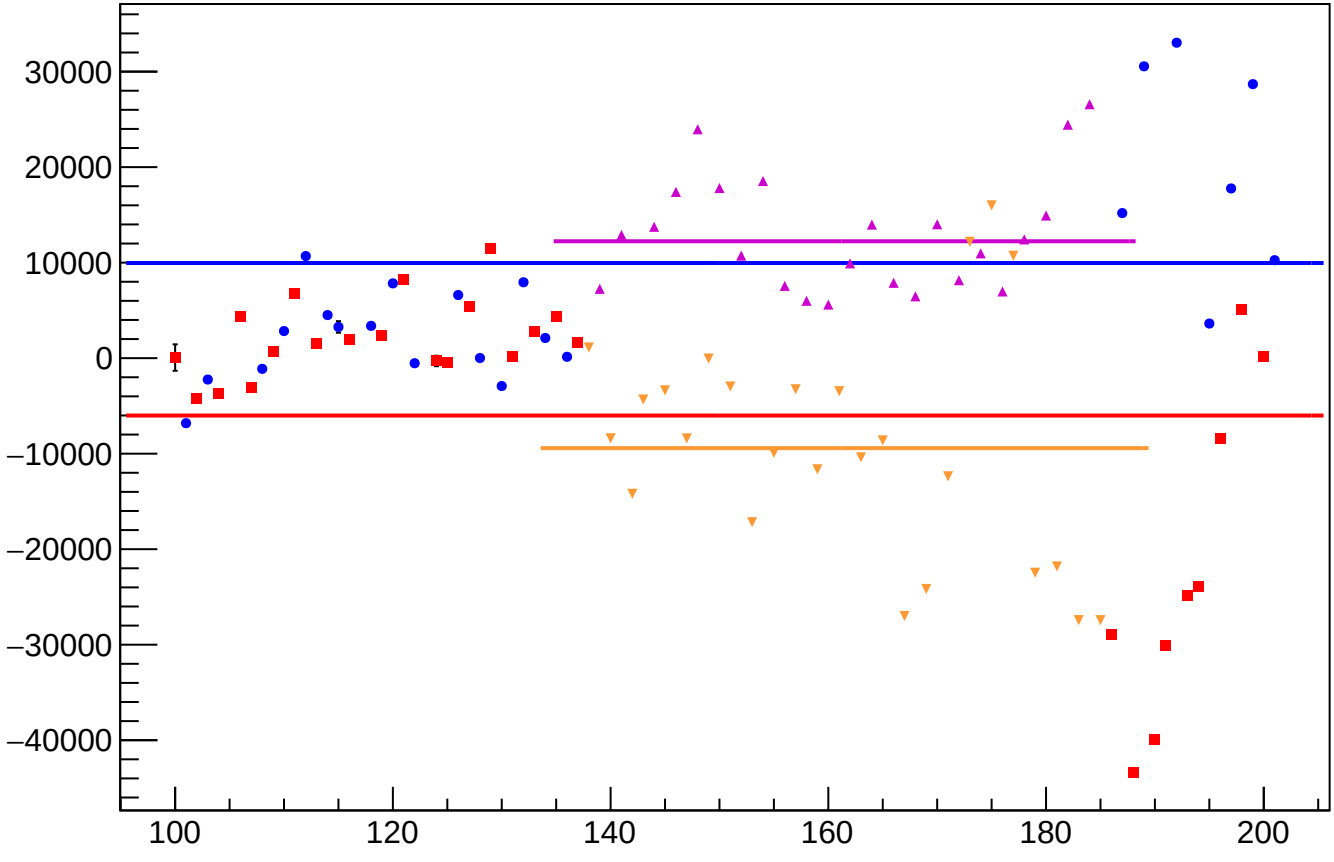
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 163.618+/-0.021 χ^2/NDF: 2933763.8/47

All: 163.285+/-0.015 χ^2/NDF: 6046602.1/98

- sign 162.956+/-0.021 χ^2/NDF: 3112352.3/50

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: -6006.725+/-48.510 χ^2/NDF: 103373.4/27

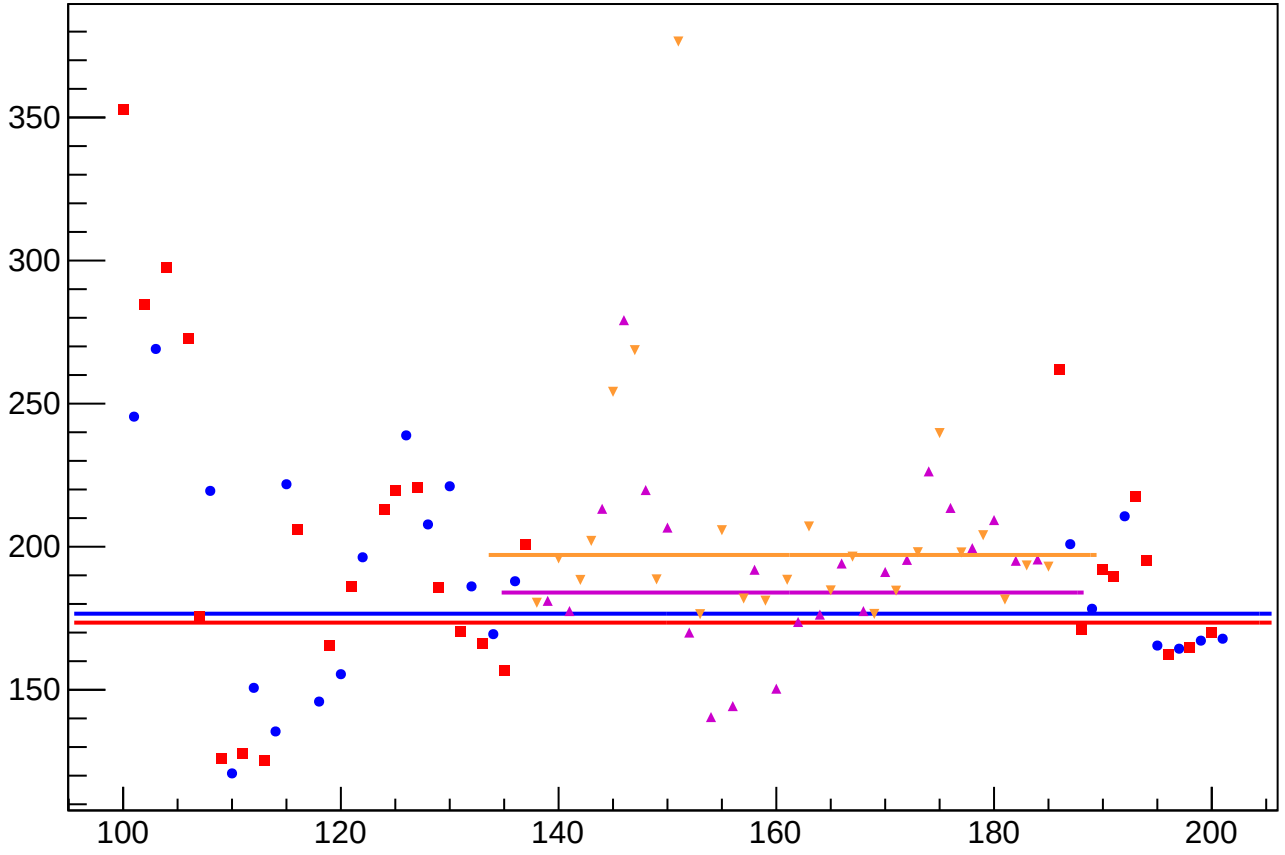
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -907.400+/-34.221 χ^2/NDF: 191819.9/47

All: 1640.864+/-23.630 χ^2/NDF: 399110.3/98

- sign 3963.300+/-32.670 χ^2/NDF: 196691.8/50

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: 173.474+/-0.034 χ^2/NDF: 1193281.3/27

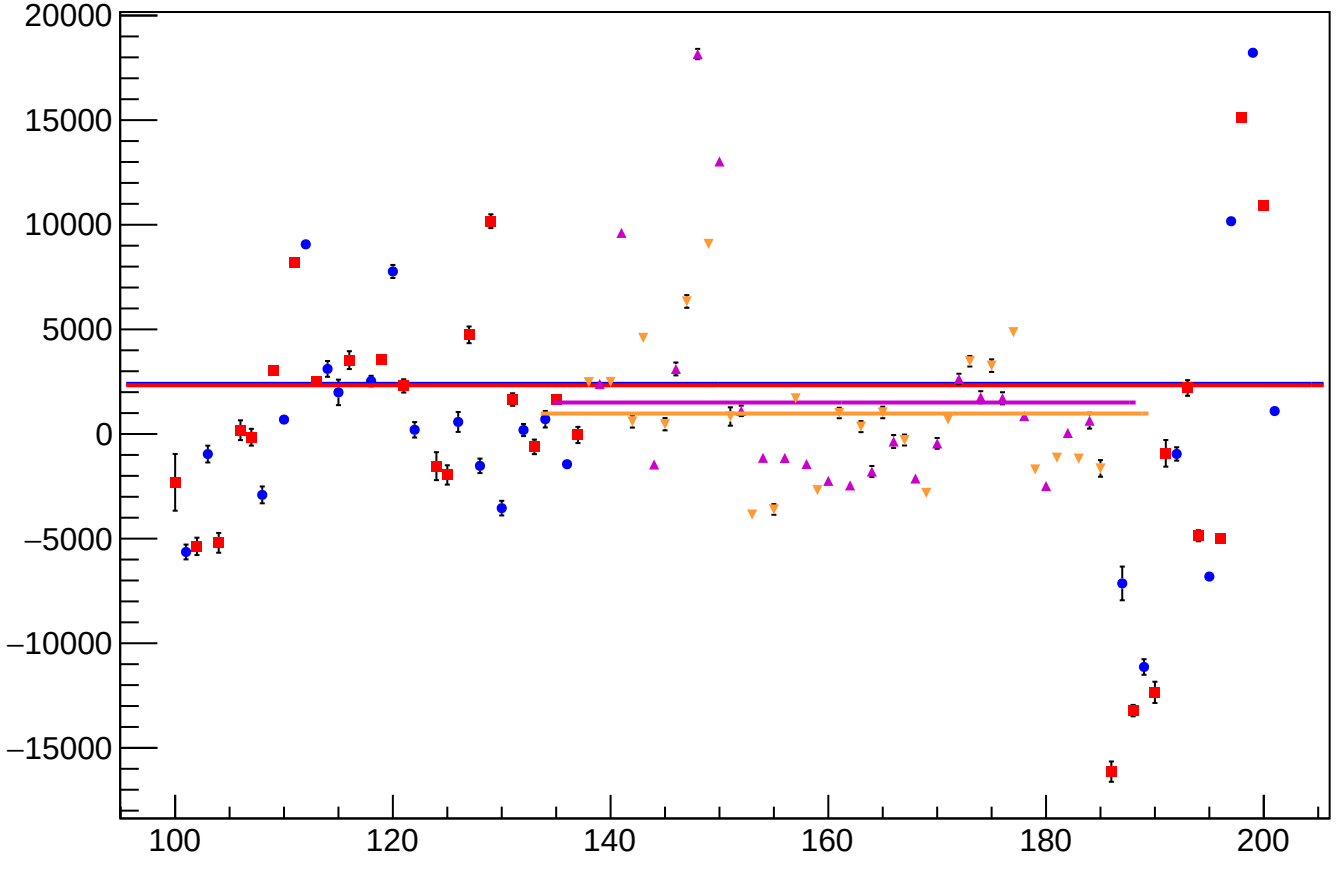
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 188.108+/-0.024 χ^2/NDF: 1669214.3/47

All: 183.457+/-0.017 χ^2/NDF: 3814202.8/98

- sign 179.218+/-0.023 χ^2/NDF: 2074374.8/50

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: 2329.786+/-54.964 χ^2/NDF: 16208.1/27

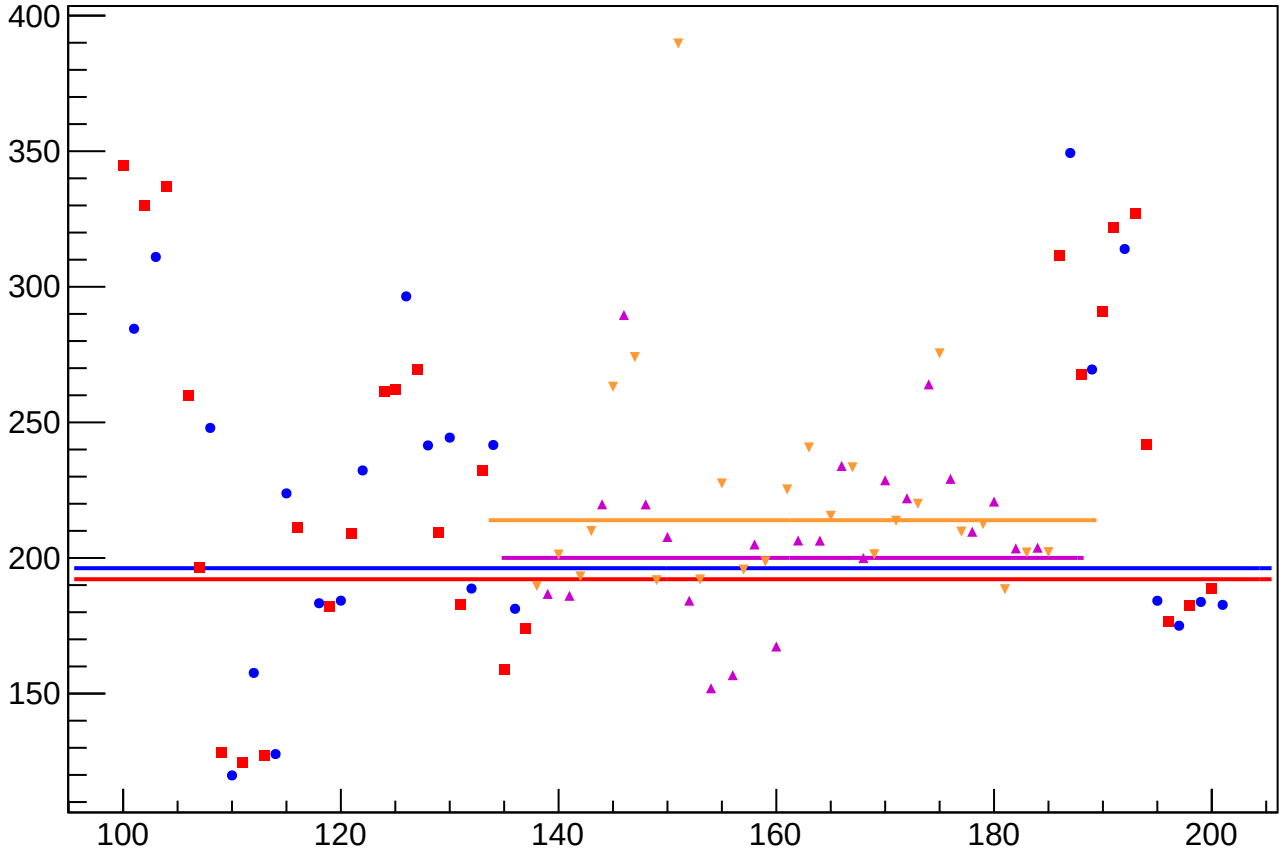
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1576.310+/-37.740 χ^2/NDF: 19654.2/47

All: 1725.376+/-26.116 χ^2/NDF: 47500.5/98

- sign 1862.344+/-36.176 χ^2/NDF: 27816.3/50

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

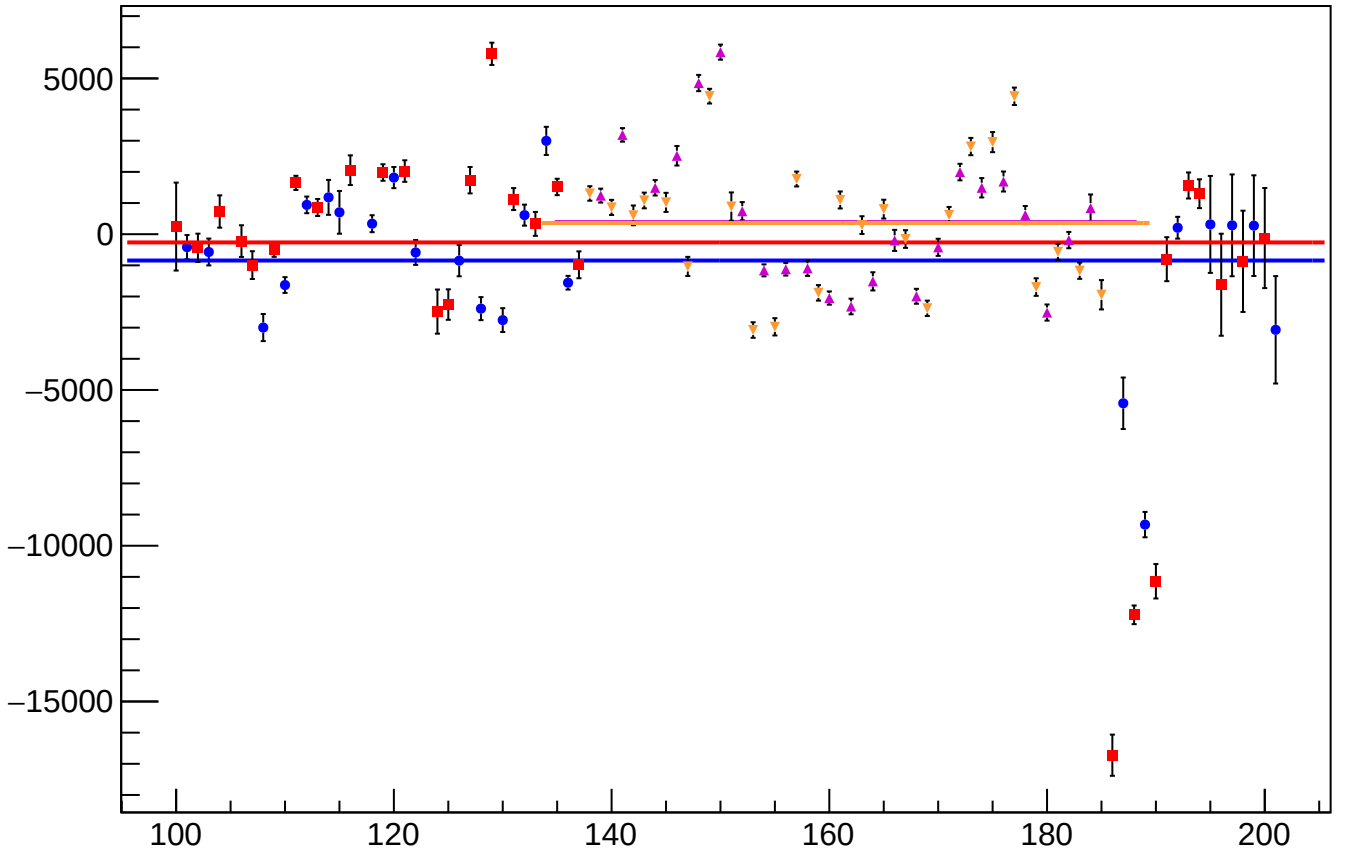
Right Out: 192.172+/-0.039 χ^2/NDF: 2233633.0/27

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.475+/-0.027 χ^2/NDF: 2279897.0/47

All: 201.343+/-0.018 χ^2/NDF: 5393220.2/98

- sign 196.626+/-0.026 χ^2/NDF: 3042333.4/50



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: -264.191+/-73.948 χ^2/NDF: 3268.9/27

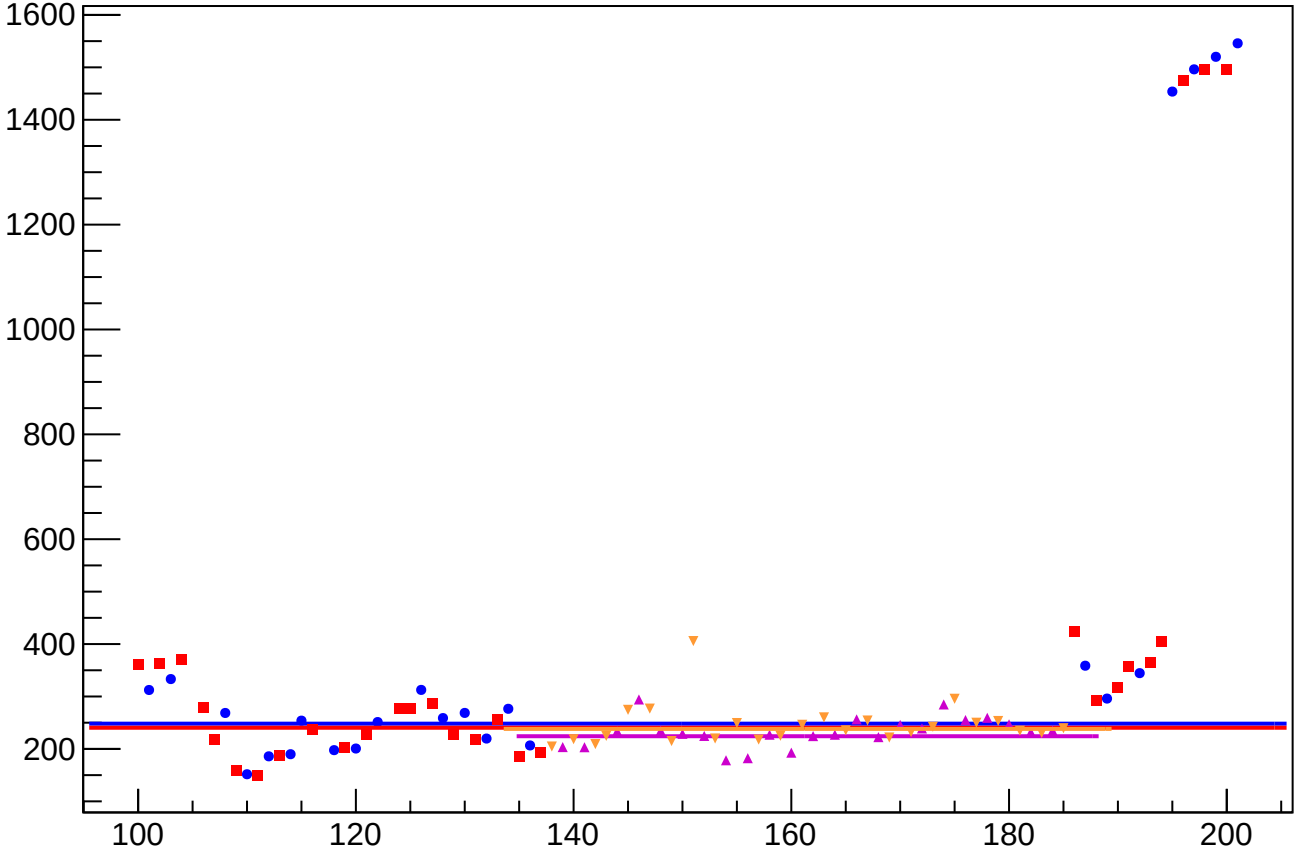
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -17.309+/-45.600 χ^2/NDF: 2368.0/47

All: 77.417+/-31.422 χ^2/NDF: 7500.1/98

- sign 163.066+/-43.360 χ^2/NDF: 5123.9/50

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: 240.383+/-0.052 χ^2/NDF: 5476588.2/27

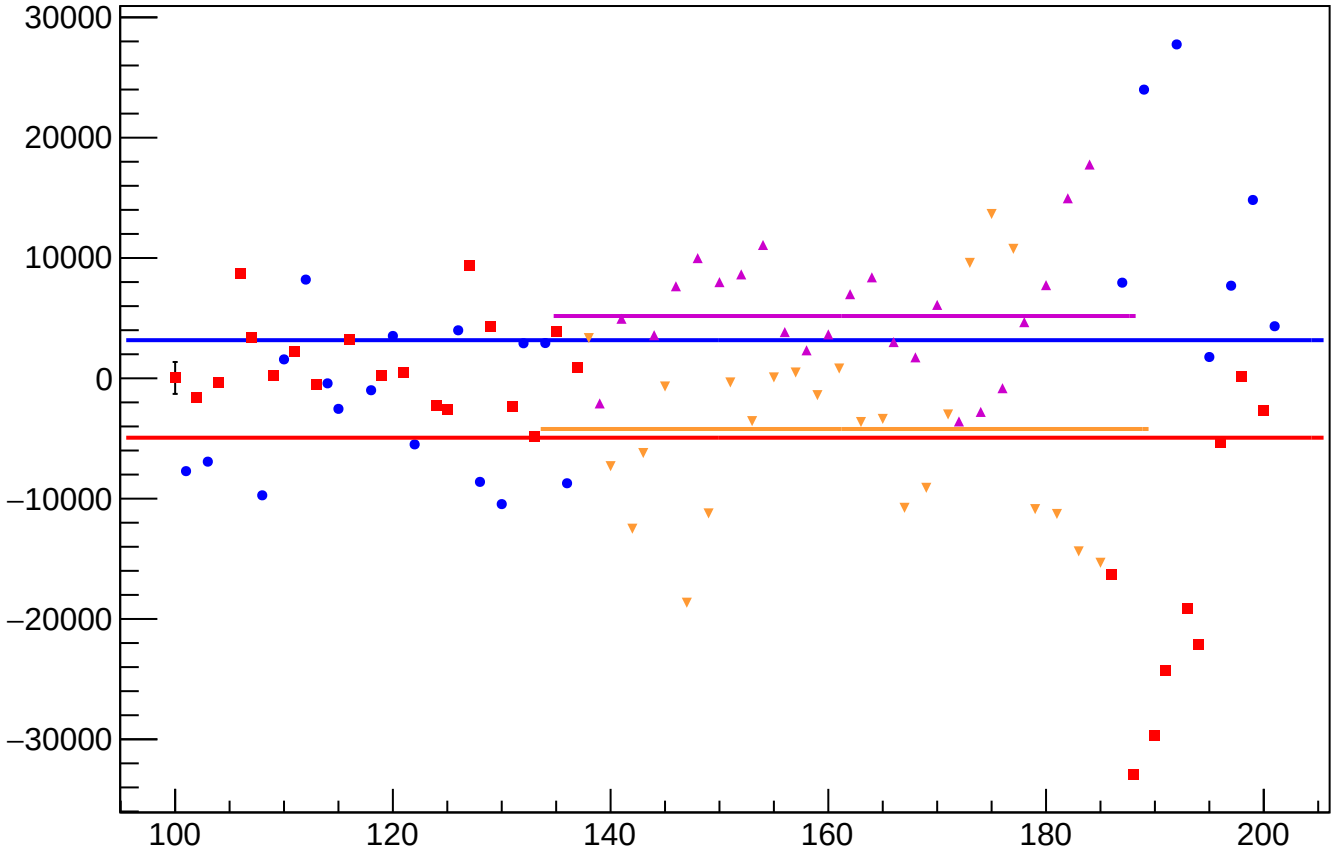
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 241.313+/-0.032 χ^2/NDF: 6342208.2/47

All: 235.252+/-0.022 χ^2/NDF: 12512060.7/98

- sign 229.772+/-0.031 χ^2/NDF: 6102577.0/50

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: -4935.137+/-35.527 χ^2/NDF: 102493.8/27

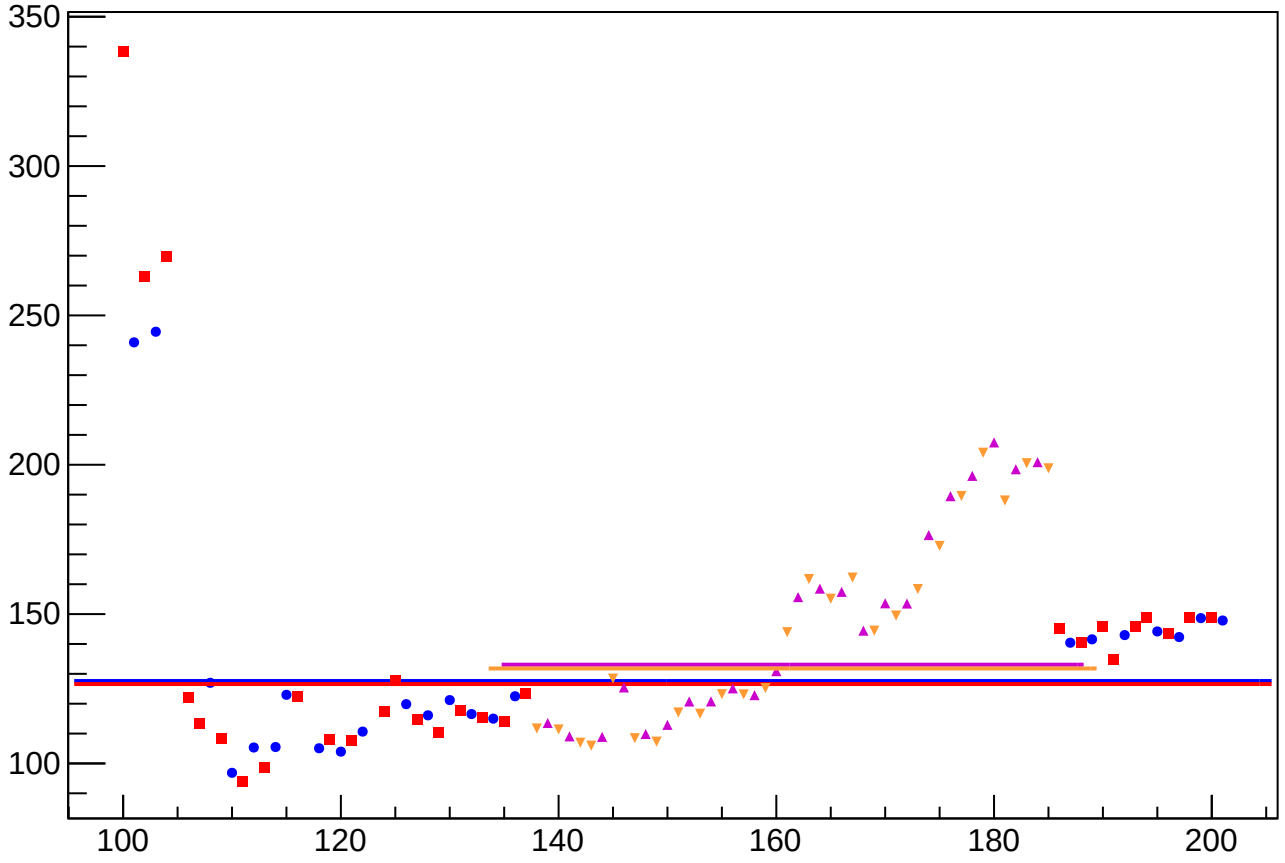
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1257.356+/-23.877 χ^2/NDF: 155407.1/47

All: -297.602+/-16.844 χ^2/NDF: 324435.7/98

- sign 653.069+/-23.764 χ^2/NDF: 165812.6/50

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: 126.582+/-0.025 χ^2/NDF: 1195662.4/27

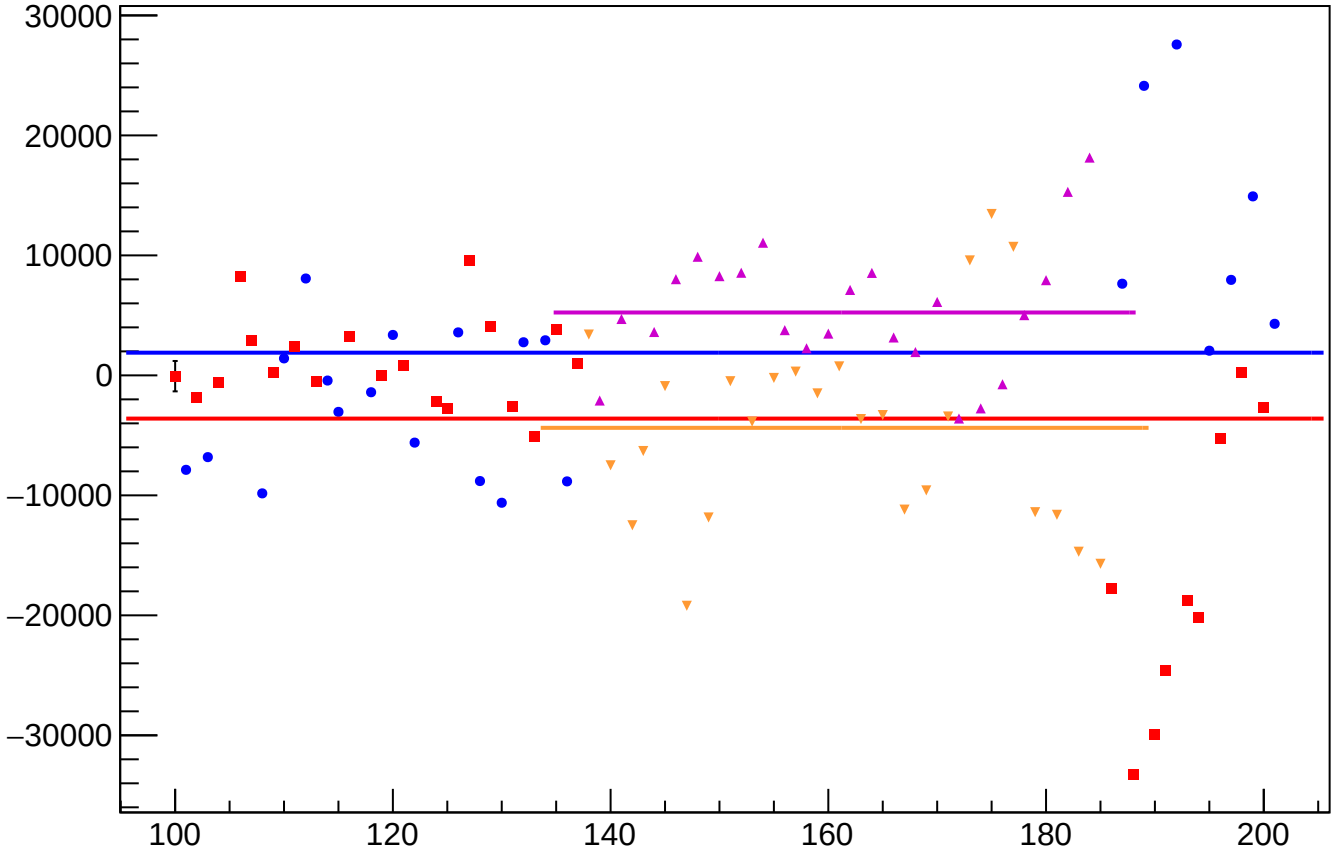
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 130.114+/-0.017 χ^2/NDF: 2510439.6/47

All: 130.138+/-0.012 χ^2/NDF: 5161118.0/98

- sign 130.162+/-0.017 χ^2/NDF: 2650674.3/50

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: -3602.563+/-31.884 χ^2/NDF: 109674.3/27

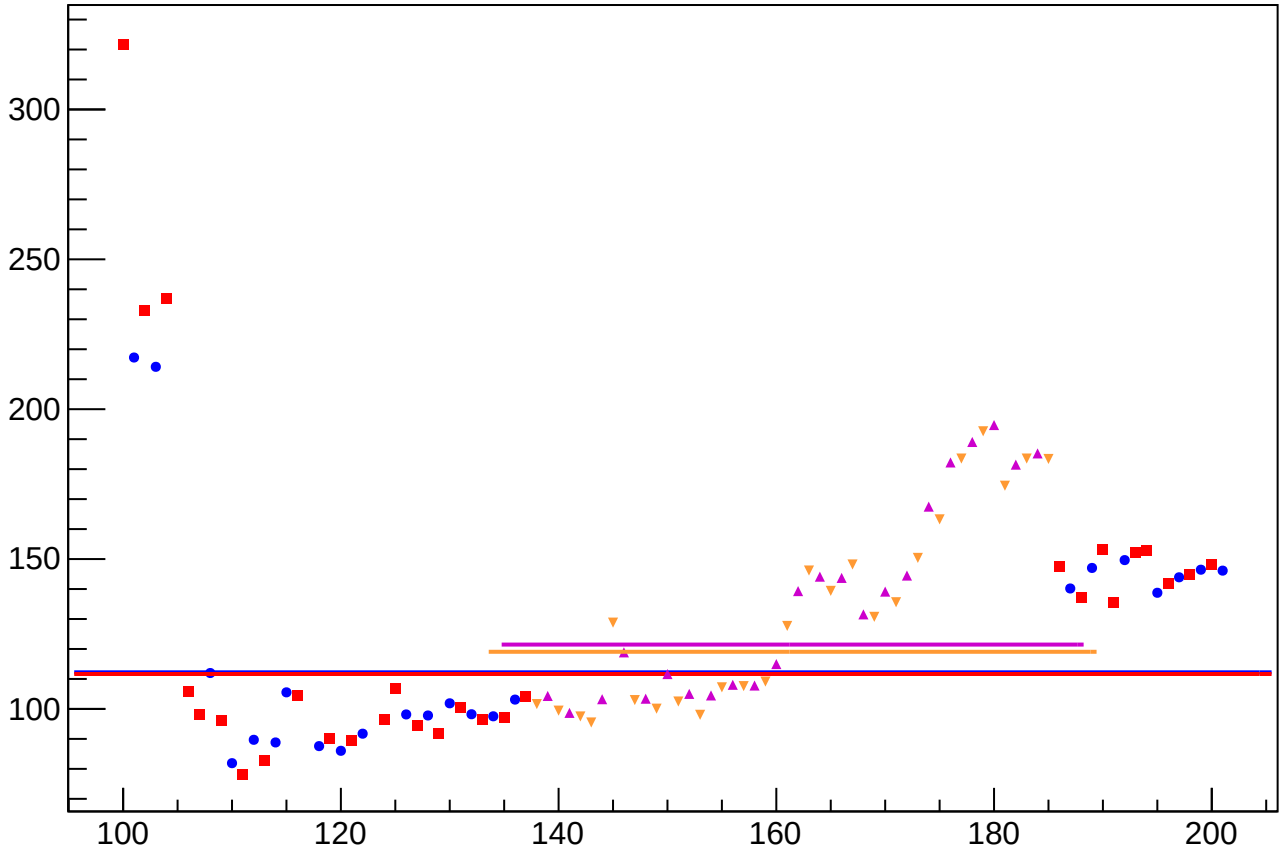
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -1822.653+/-21.525 χ^2/NDF: 170405.1/47

All: -314.133+/-15.231 χ^2/NDF: 353951.4/98

- sign 1198.575+/-21.555 χ^2/NDF: 173709.3/50

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: 111.655+/-0.023 χ^2/NDF: 1897783.3/27

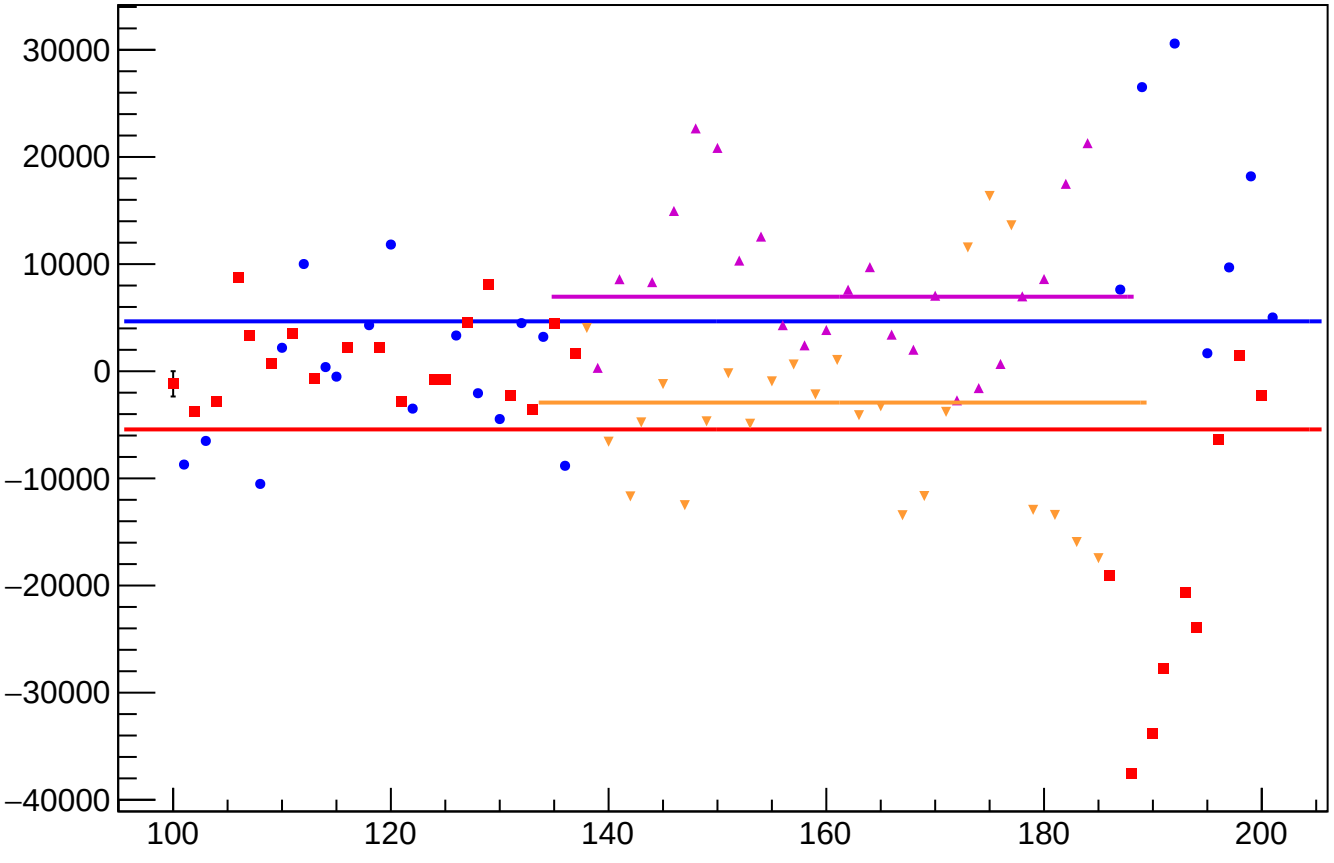
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 116.274+/-0.015 χ^2/NDF: 3334635.9/47

All: 116.628+/-0.011 χ^2/NDF: 6865752.7/98

- sign 116.983+/-0.015 χ^2/NDF: 3530031.7/50

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: -5429.156+/-42.013 χ^2/NDF: 91929.5/27

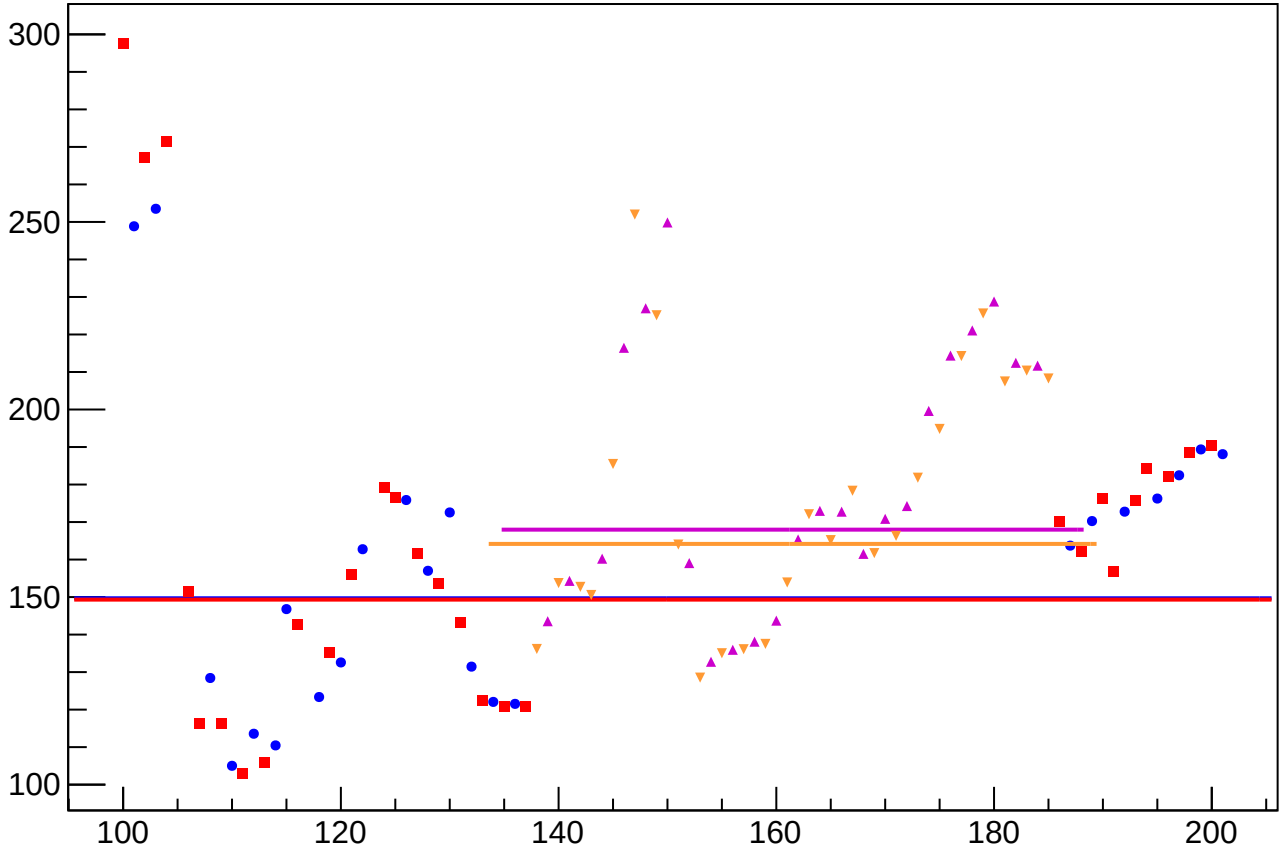
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 303.555+/-28.939 χ^2/NDF: 115199.9/47

All: 665.186+/-20.507 χ^2/NDF: 275107.5/98

- sign 1029.897+/-29.062 χ^2/NDF: 159594.0/50

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

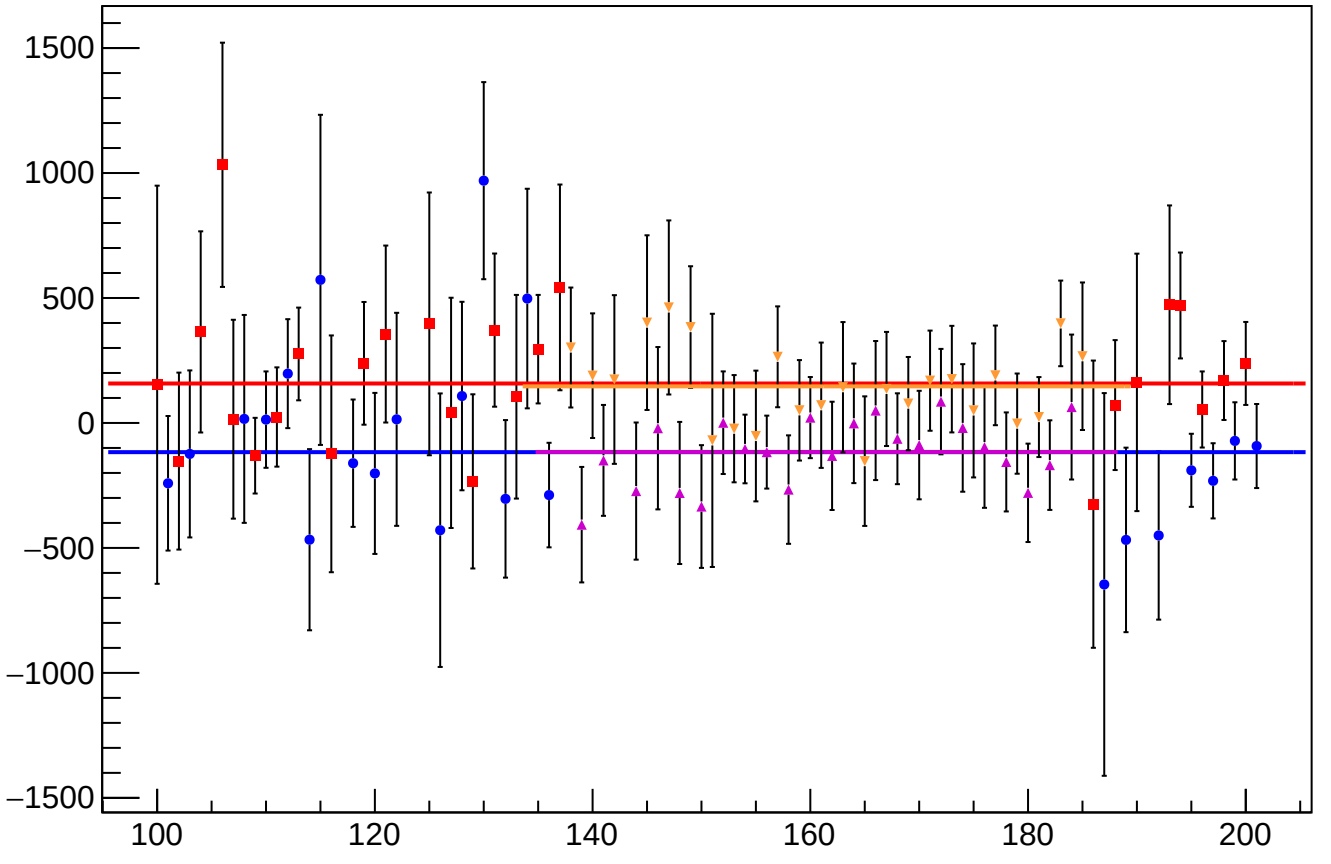
Right Out: 149.323+/-0.030 χ^2/NDF: 1429477.9/27

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 158.004+/-0.020 χ^2/NDF: 2559517.4/47

All: 158.525+/-0.015 χ^2/NDF: 5418612.8/98

- sign 159.050+/-0.021 χ^2/NDF: 2857796.7/50



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: 157.892+/-51.066 χ^2/NDF: 17.3/25

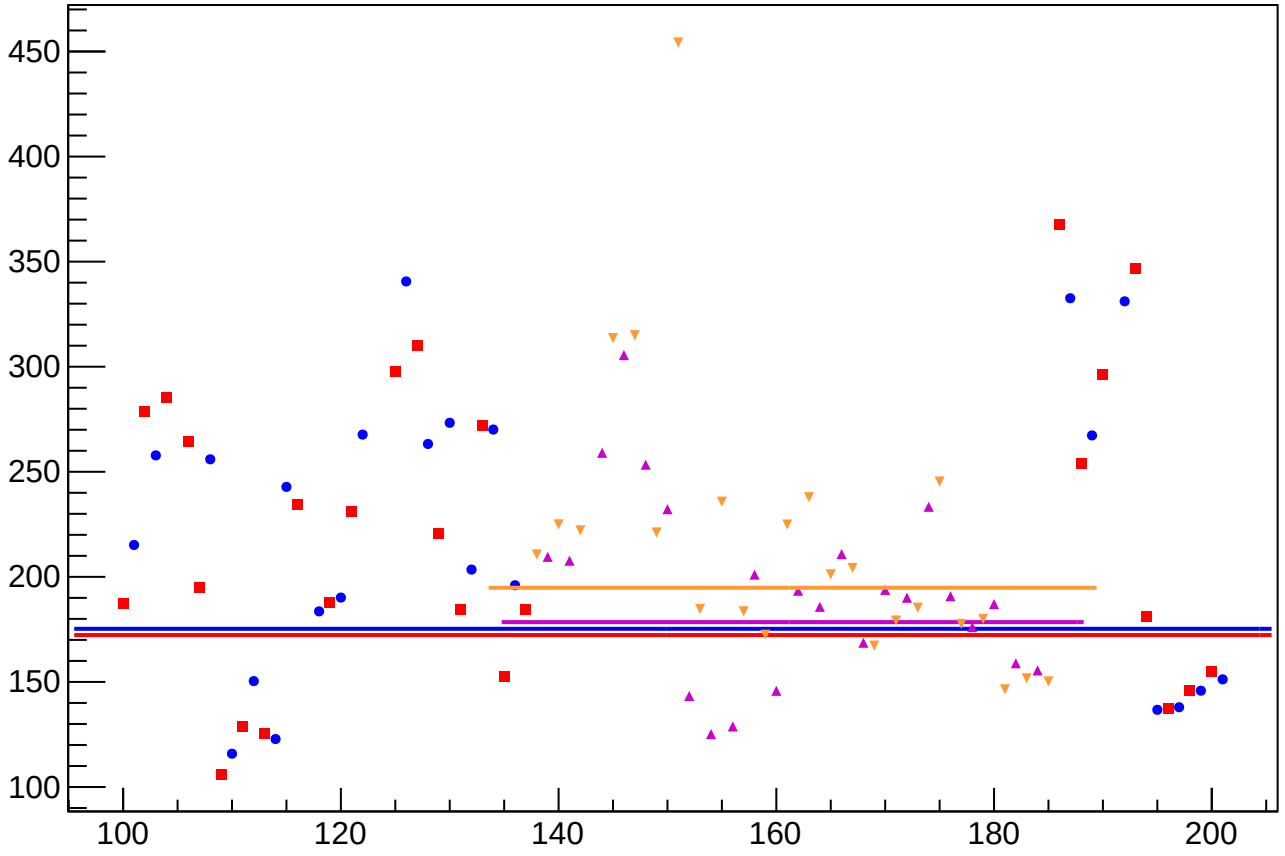
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 30.338+/-35.092 χ^2/NDF: 43.4/46

All: 14.052+/-24.102 χ^2/NDF: 85.4/95

- sign -0.491+/-33.160 χ^2/NDF: 41.5/48

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: 172.315+/-0.036 χ^2/NDF: 2711281.5/25

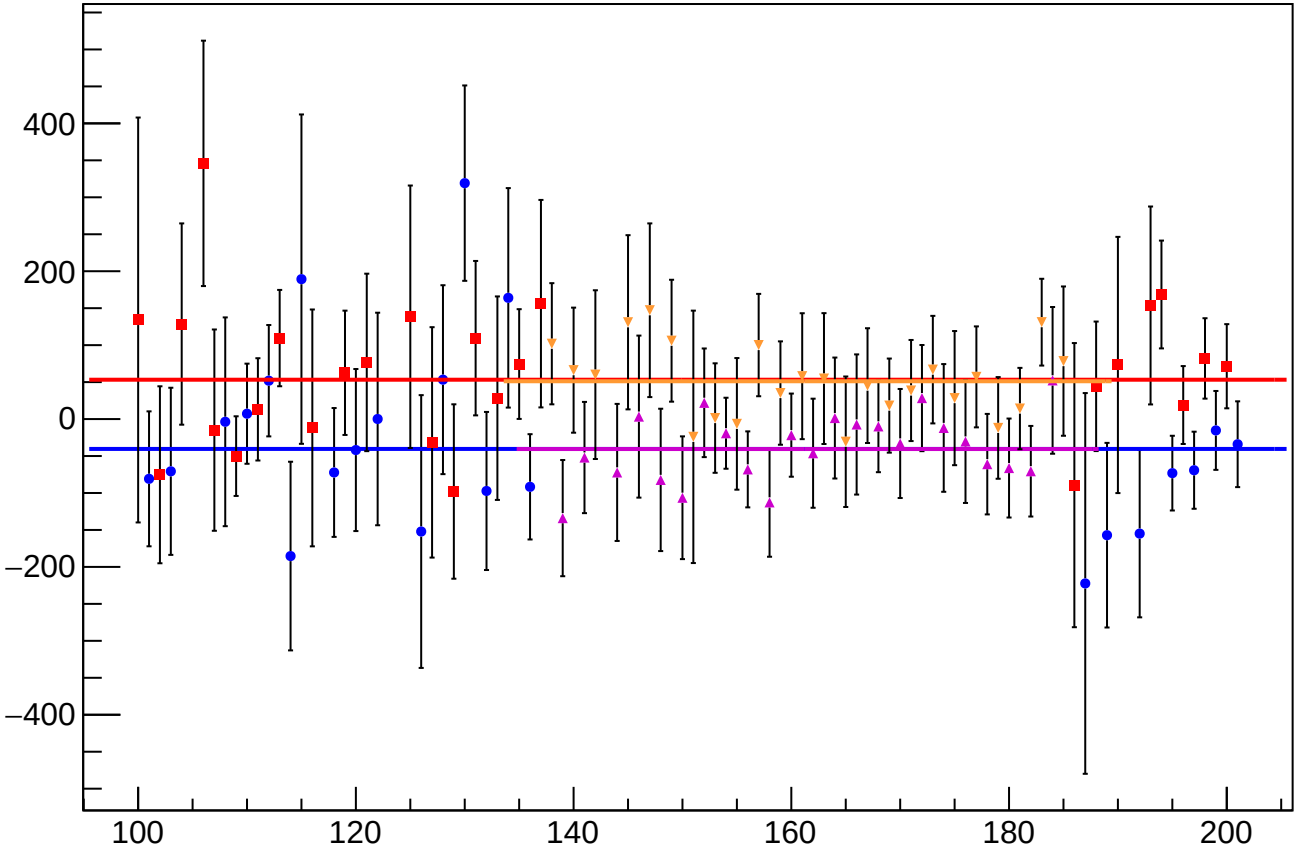
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 186.211+/-0.025 χ^2/NDF: 4082411.4/46

All: 180.752+/-0.017 χ^2/NDF: 8578411.2/95

- sign 175.878+/-0.023 χ^2/NDF: 4404382.6/48

asym_bcm_2an_us_an_ds_dd_mean vs Slug



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: 53.232+/-17.599 χ^2/NDF: 17.4/25

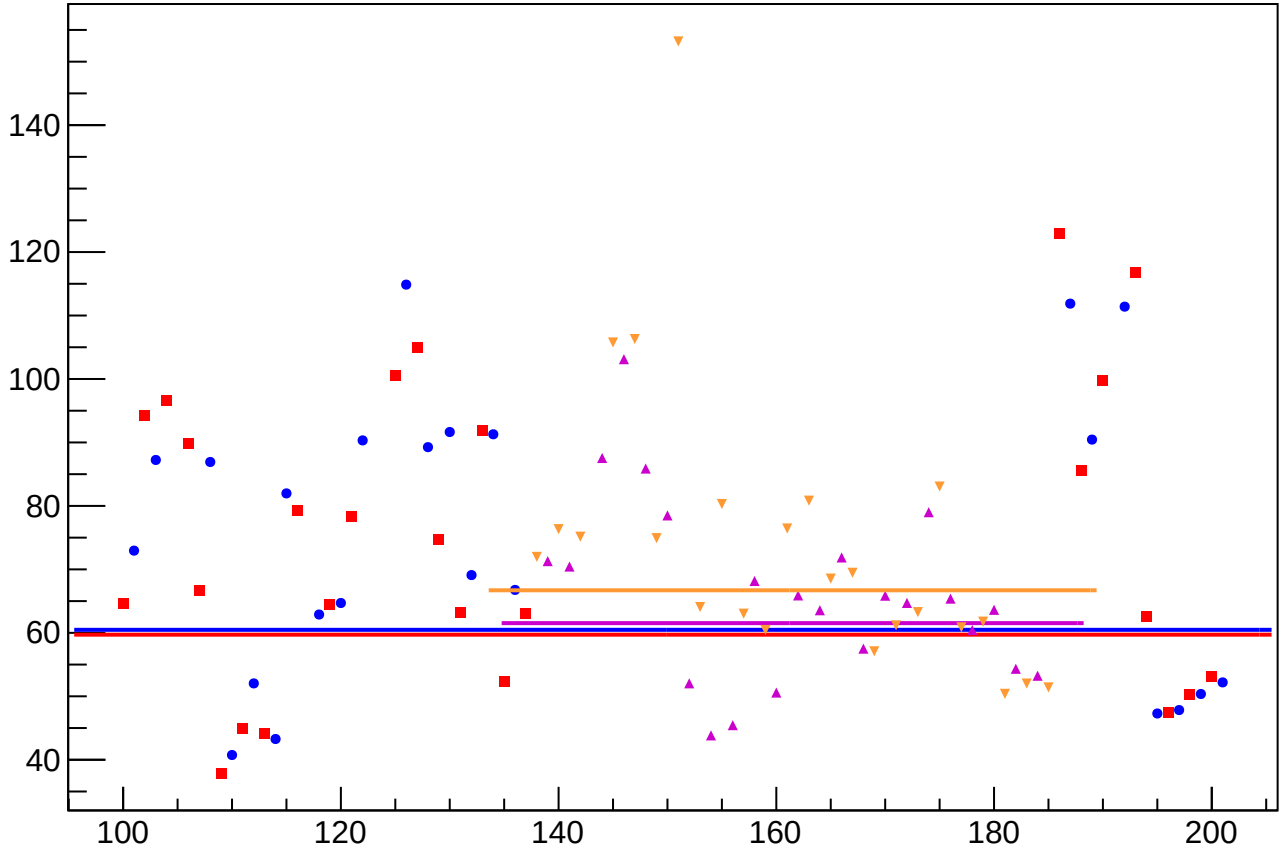
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 11.060+/-12.023 χ^2/NDF: 41.6/46

All: 4.634+/-8.275 χ^2/NDF: 84.0/95

- sign -1.149+/-11.406 χ^2/NDF: 41.8/48

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: 59.712+/-0.012 χ^2/NDF: 2503245.3/25

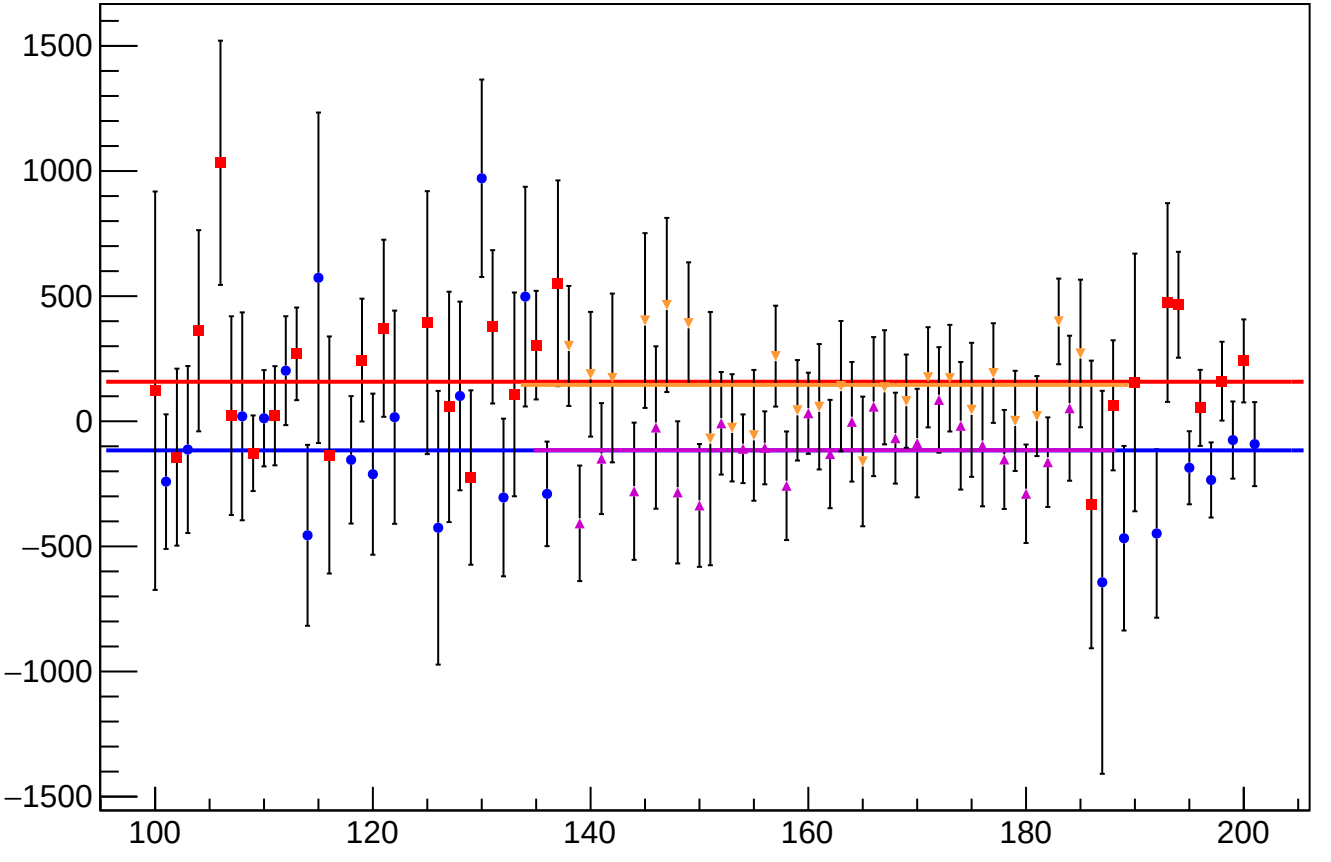
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 63.976+/-0.009 χ^2/NDF: 3835119.5/46

All: 62.286+/-0.006 χ^2/NDF: 7915611.3/95

- sign 60.766+/-0.008 χ^2/NDF: 4005457.0/48

asym_bcm_an_us_an_ds_avg_mean vs Slug



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: 157.973+/-51.003 χ^2/NDF: 17.3/25

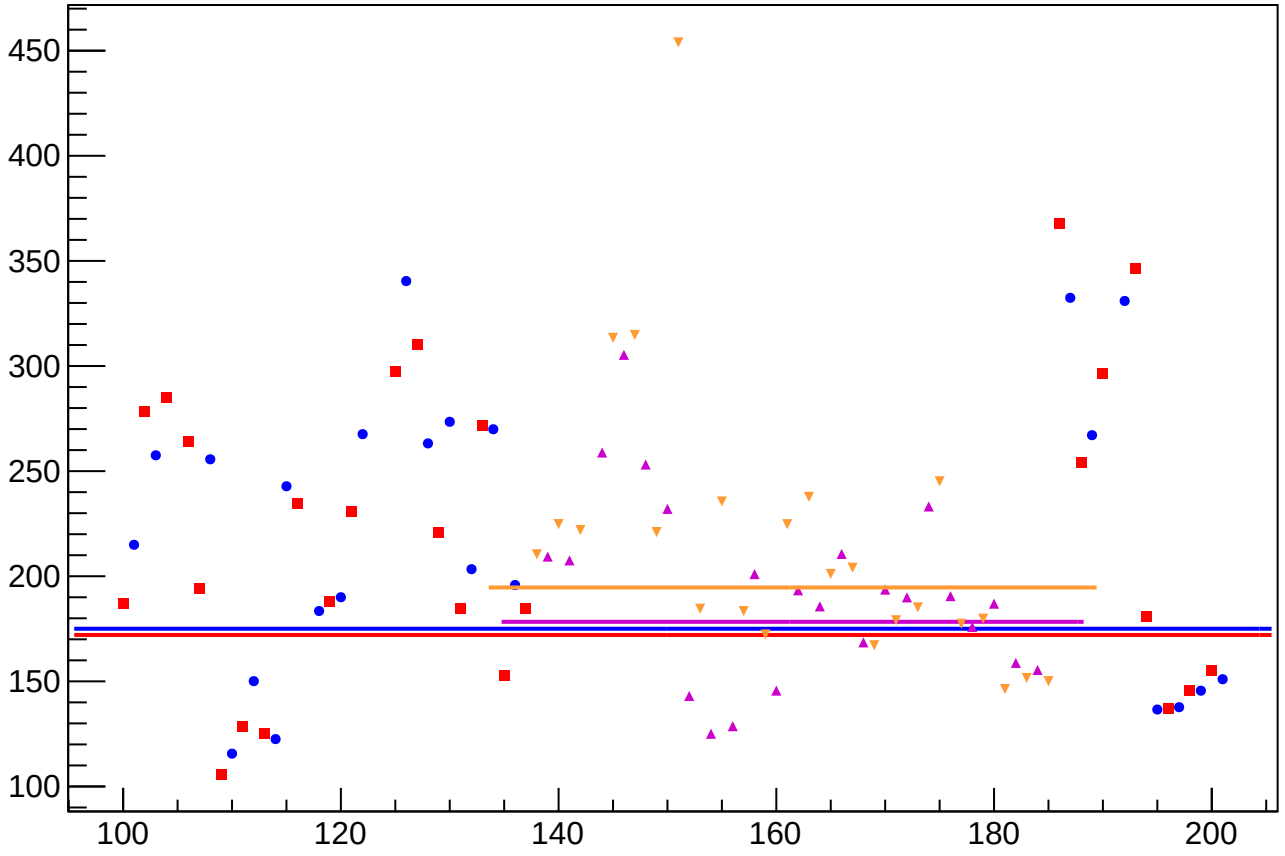
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 30.013+/-35.055 χ^2/NDF: 43.6/46

All: 14.093+/-24.077 χ^2/NDF: 85.7/95

- sign -0.123+/-33.127 χ^2/NDF: 41.7/48

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: 172.070+/-0.036 χ^2/NDF: 2719558.6/25

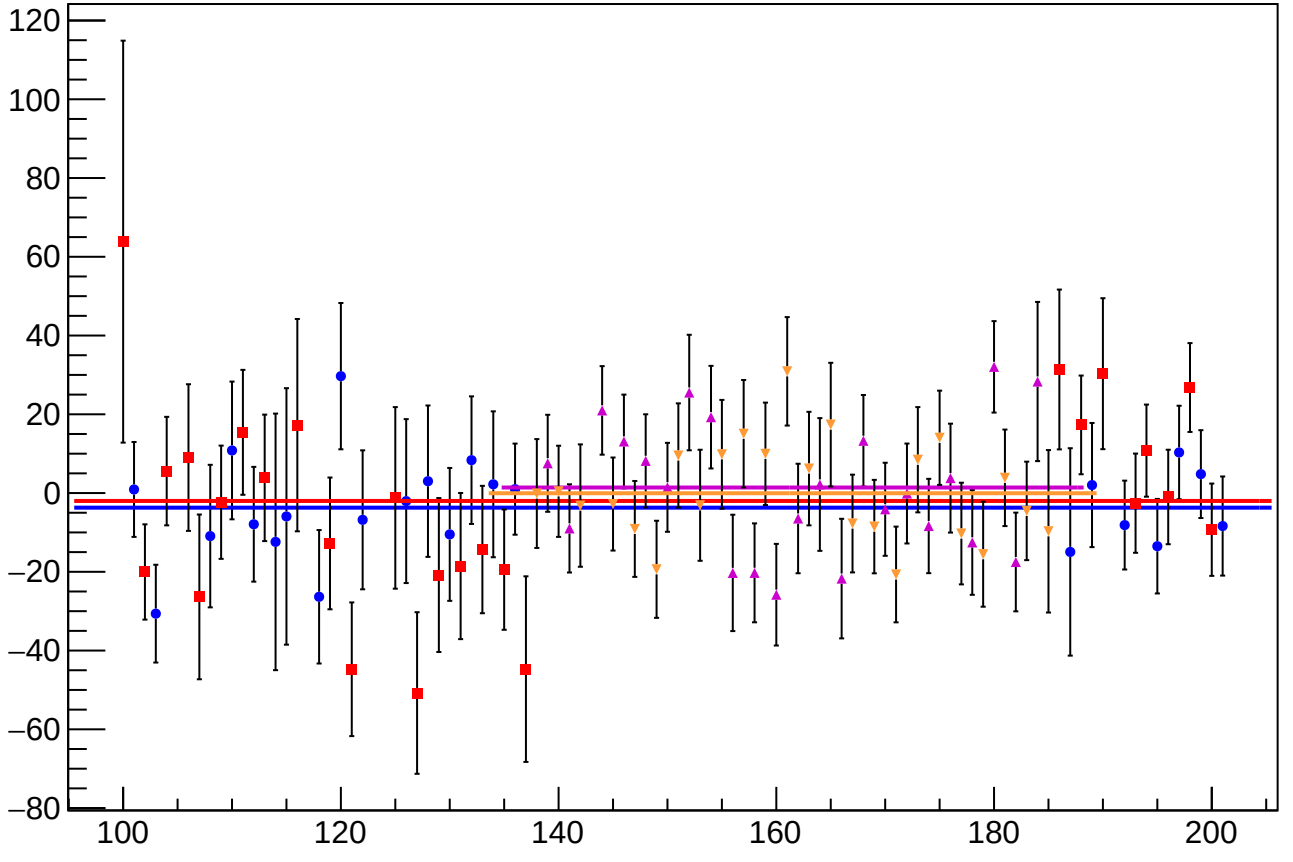
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 186.001+/-0.025 χ^2/NDF: 4091320.3/46

All: 180.550+/-0.017 χ^2/NDF: 8598115.0/95

- sign 175.682+/-0.023 χ^2/NDF: 4415246.0/48

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: -2.009+/-3.076 χ^2/NDF: 43.1/25

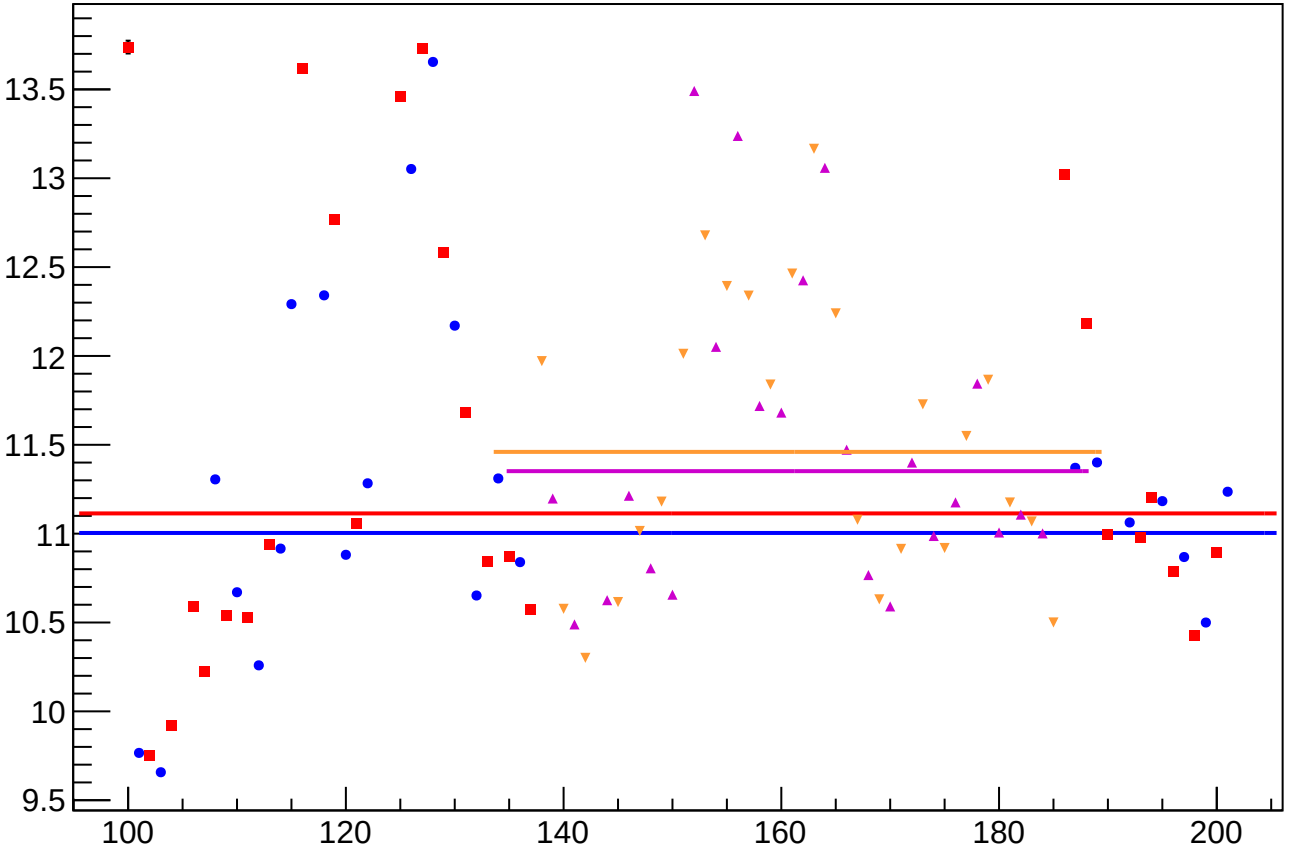
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.584+/-2.045 χ^2/NDF: 36.5/46

All: -0.813+/-1.437 χ^2/NDF: 116.9/95

- sign -0.063+/-2.018 χ^2/NDF: 80.1/48

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: 11.114+/-0.002 χ^2/NDF: 204611.8/25

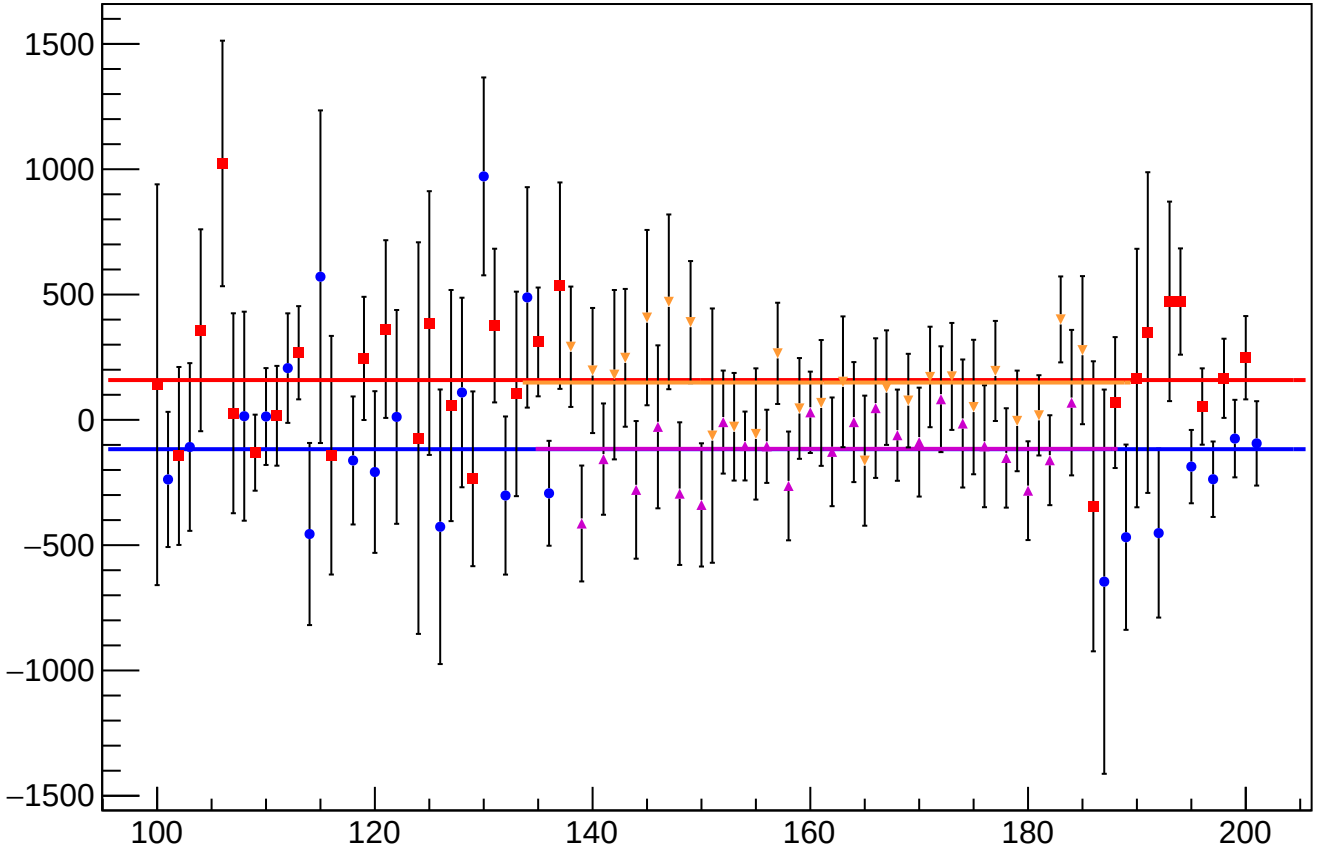
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.269+/-0.001 χ^2/NDF: 318003.2/46

All: 11.259+/-0.001 χ^2/NDF: 700077.2/95

- sign 11.249+/-0.001 χ^2/NDF: 381984.1/48

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: 158.766+/-50.877 χ^2/NDF: 17.5/27

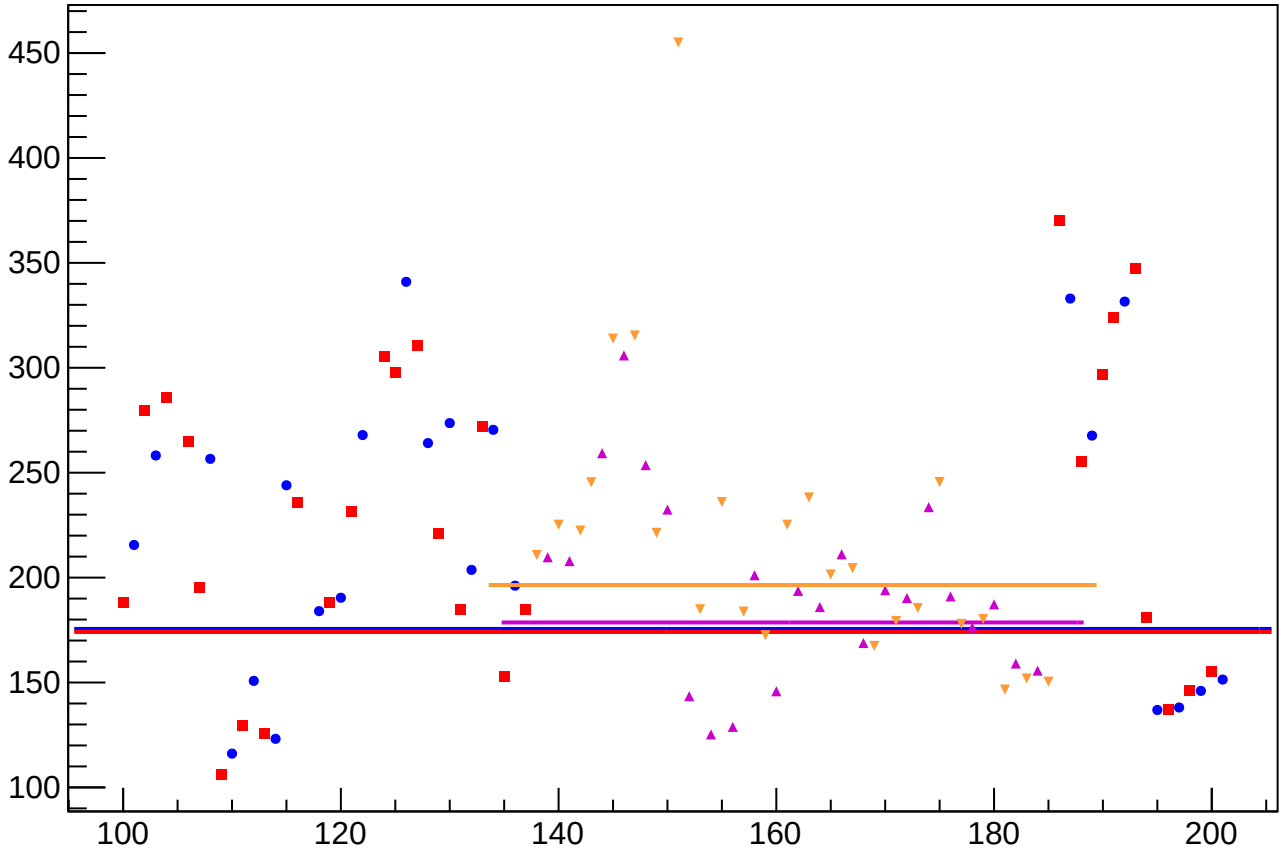
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 33.600+/-34.851 χ^2/NDF: 44.4/47

All: 16.281+/-24.010 χ^2/NDF: 87.0/98

- sign 0.637+/-33.124 χ^2/NDF: 42.1/50

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: 174.092+/-0.036 χ^2/NDF: 2884261.3/27

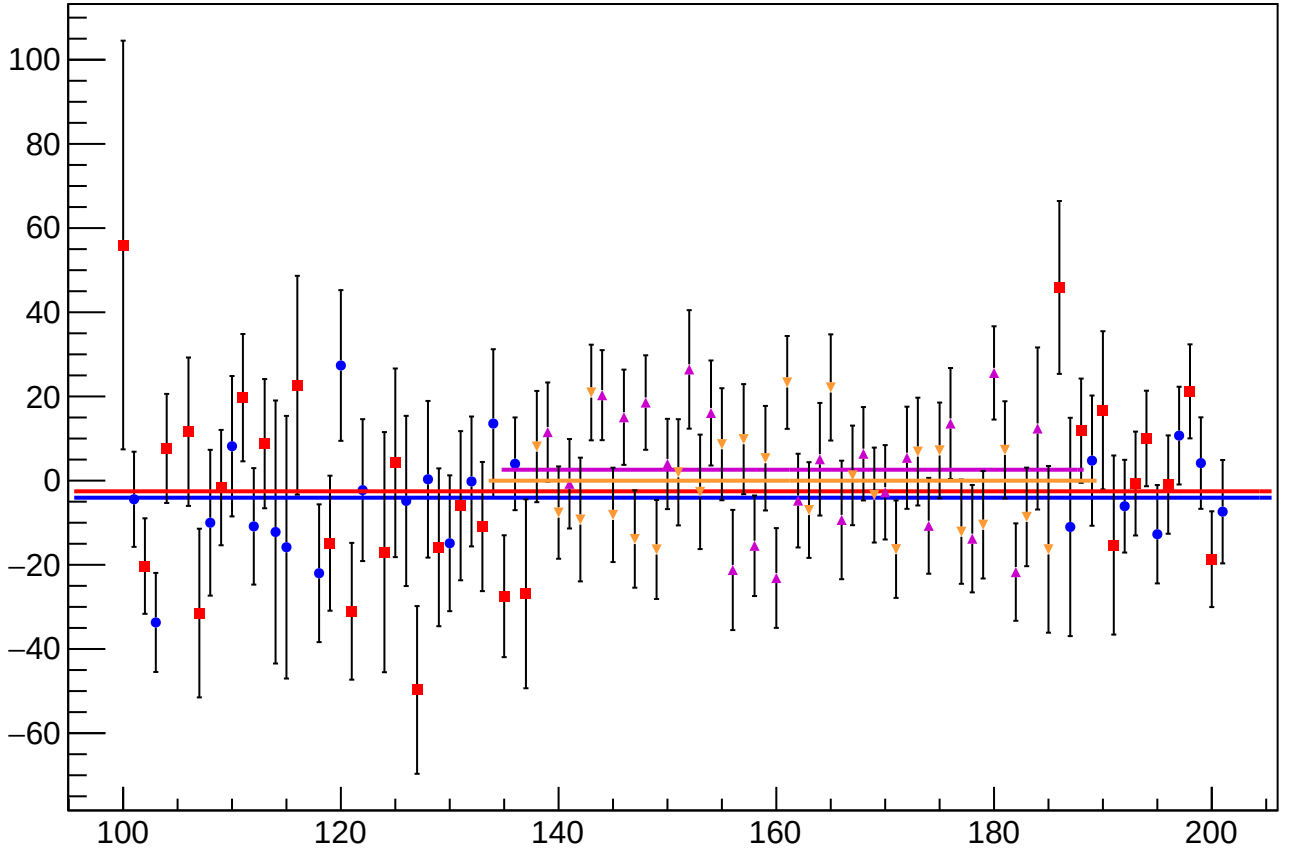
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

\+ sign 187.382+/-0.025 χ^2/NDF: 4173732.7/47

All: 181.768+/-0.017 χ^2/NDF: 8844725.8/98

\- sign 176.697+/-0.023 χ^2/NDF: 4572224.9/50

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: -2.537+/-2.923 χ^2/NDF: 41.6/27

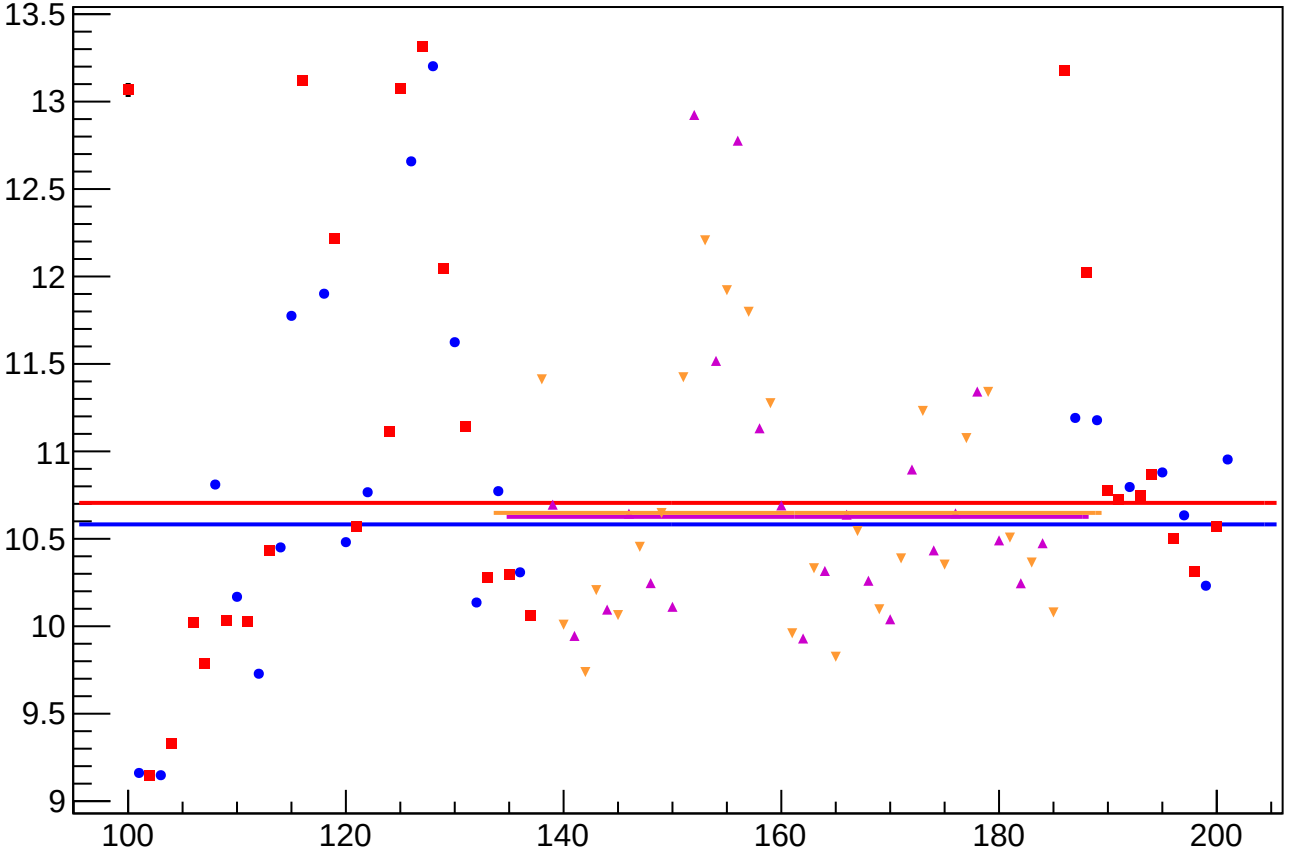
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.603+/-1.905 χ^2/NDF: 41.9/47

All: -0.591+/-1.346 χ^2/NDF: 120.6/98

- sign 0.419+/-1.902 χ^2/NDF: 78.2/50

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: 10.705+/-0.002 χ^2/NDF: 245706.3/27

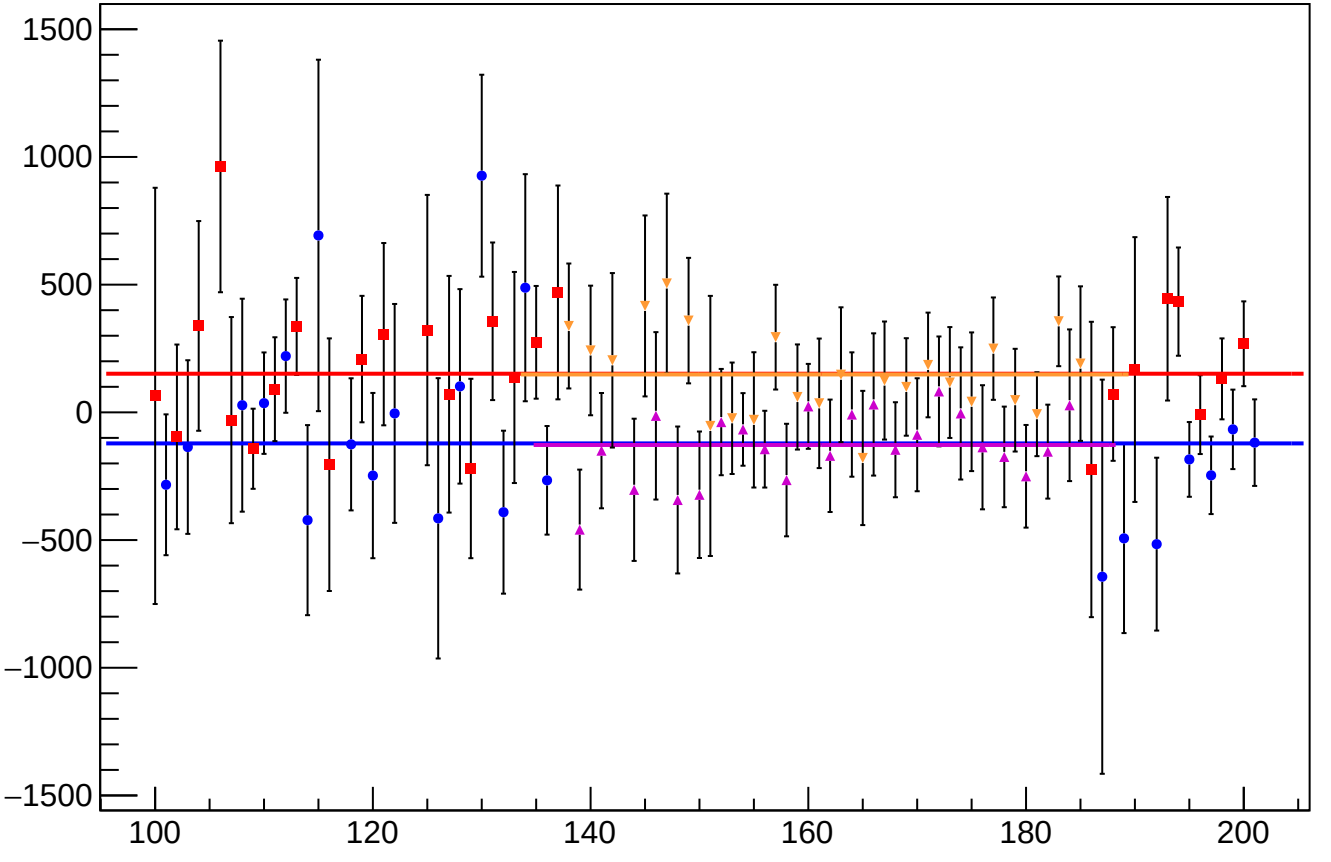
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.622+/-0.001 χ^2/NDF: 313143.3/47

All: 10.641+/-0.001 χ^2/NDF: 719629.3/98

- sign 10.659+/-0.001 χ^2/NDF: 406107.7/50

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



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: 151.270+/-51.773 χ^2/NDF: 15.9/25

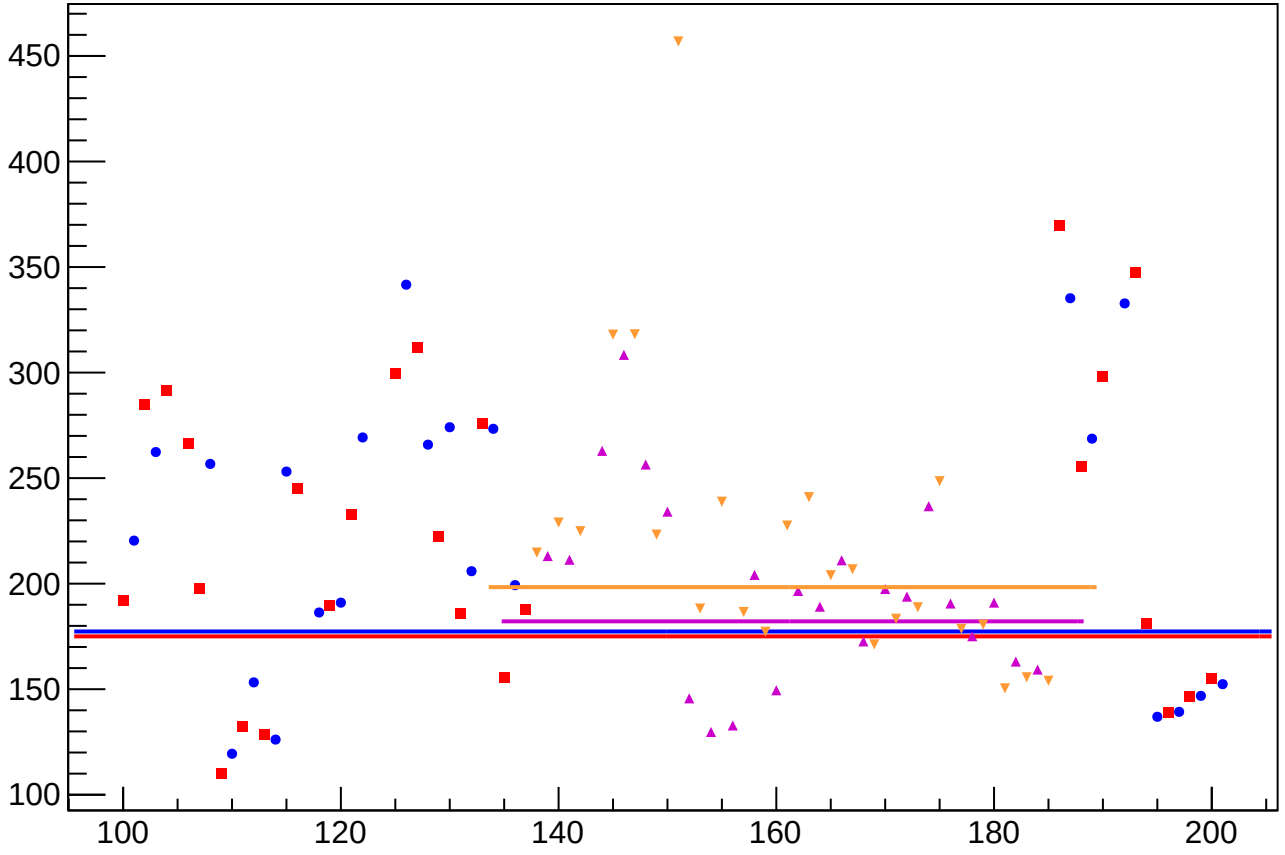
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 28.675+/-35.598 χ^2/NDF: 44.4/46

All: 8.604+/-24.479 χ^2/NDF: 85.4/95

- sign -9.401+/-33.715 χ^2/NDF: 40.5/48

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: 175.022+/-0.037 χ^2/NDF: 2643774.9/25

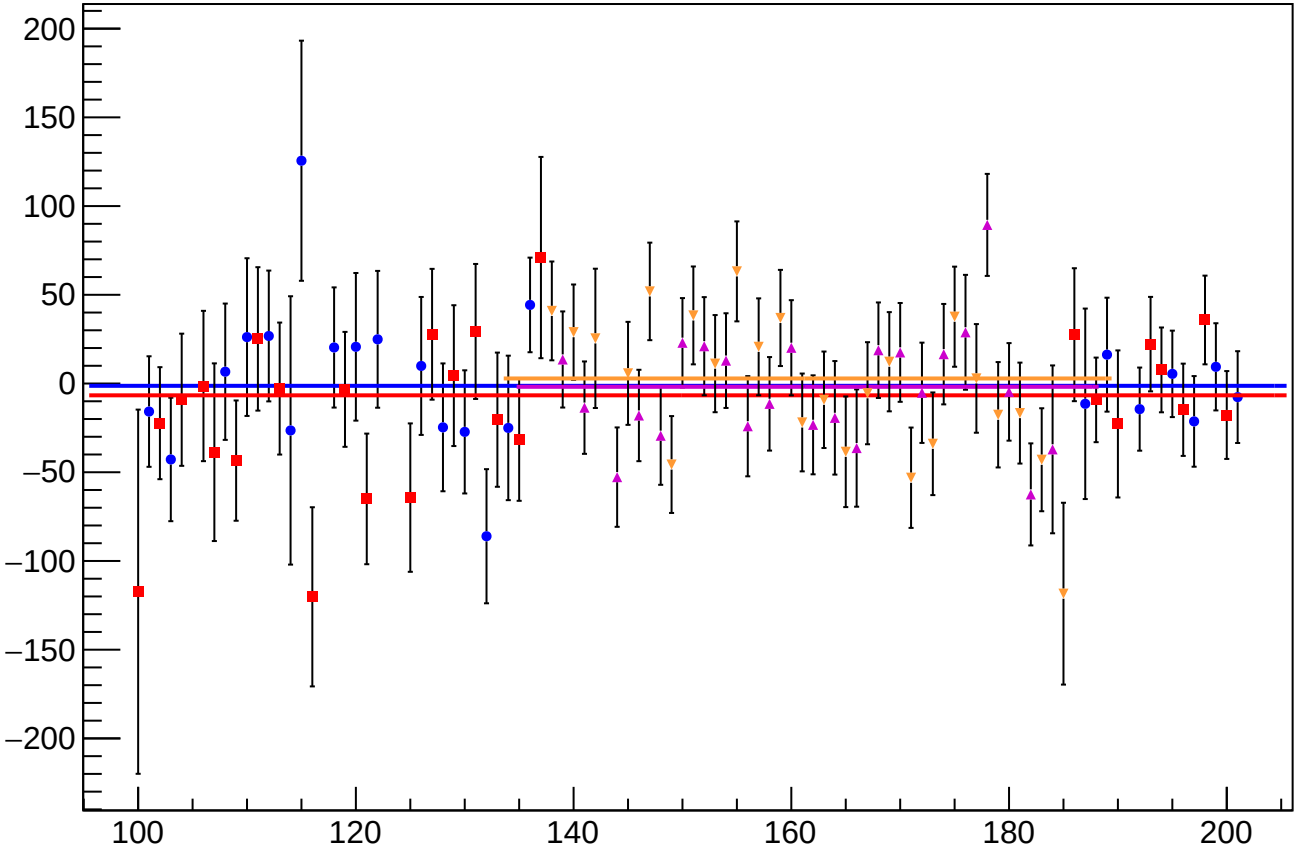
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 189.036+/-0.025 χ^2/NDF: 4032237.6/46

All: 183.813+/-0.017 χ^2/NDF: 8363890.5/95

- sign 179.127+/-0.024 χ^2/NDF: 4249966.8/48

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: -6.651+/-6.670 χ^2/NDF: 23.2/25

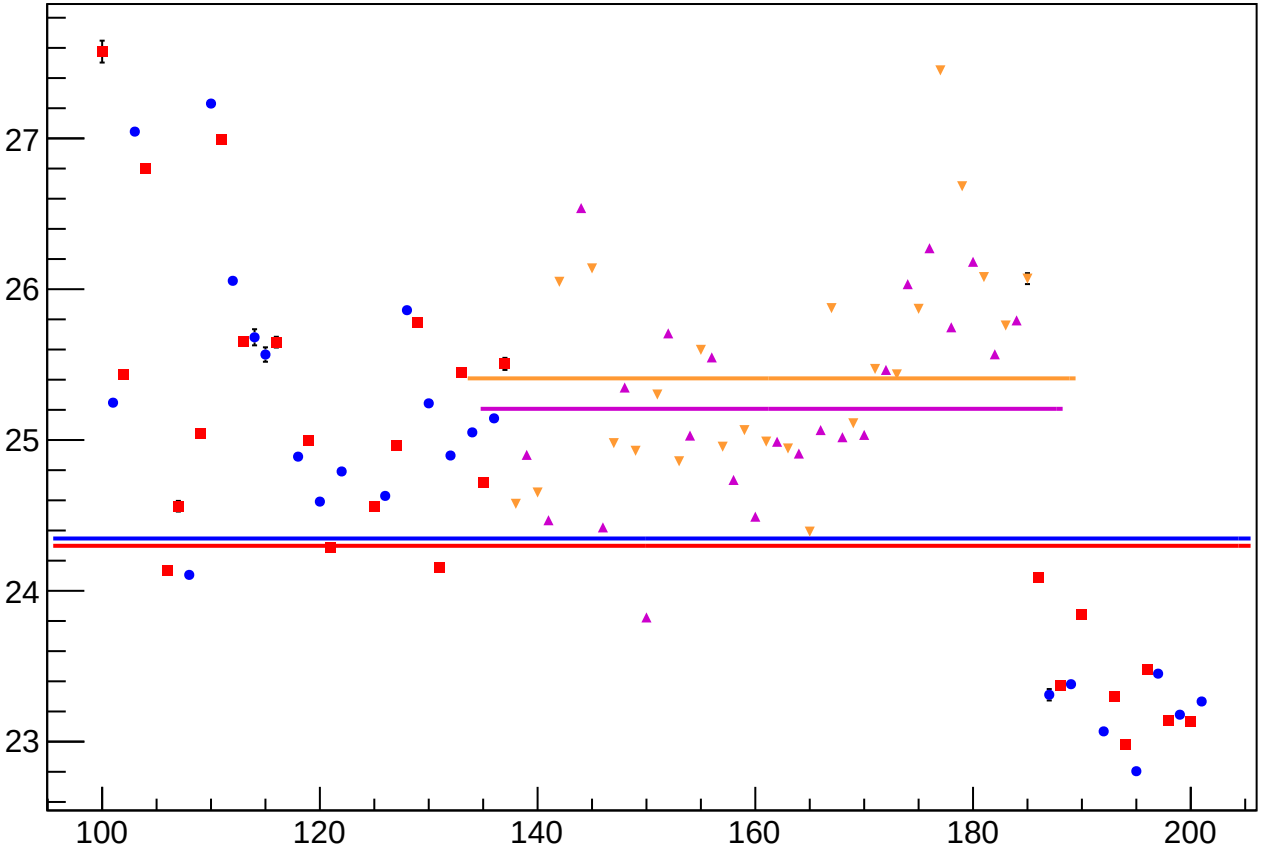
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.109+/-4.496 χ^2/NDF: 55.5/46

All: -1.468+/-3.151 χ^2/NDF: 107.7/95

- sign -3.955+/-4.416 χ^2/NDF: 51.6/48

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: 24.298+/-0.005 χ^2/NDF: 58123.6/25

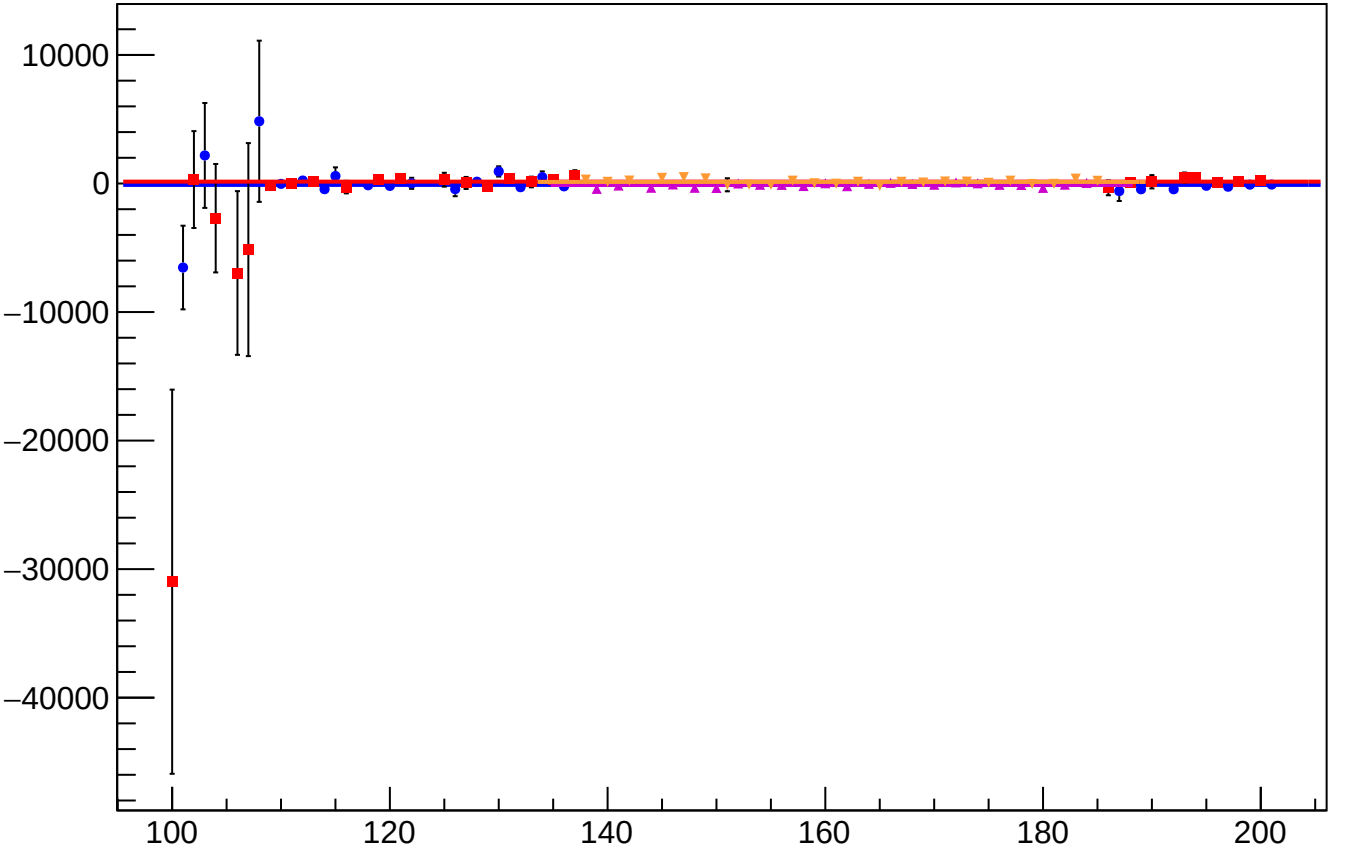
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.963+/-0.003 χ^2/NDF: 117448.3/46

All: 24.884+/-0.002 χ^2/NDF: 223423.6/95

- sign 24.809+/-0.003 χ^2/NDF: 104779.7/48

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: 145.426+/-55.566 χ^2/NDF: 18.1/25

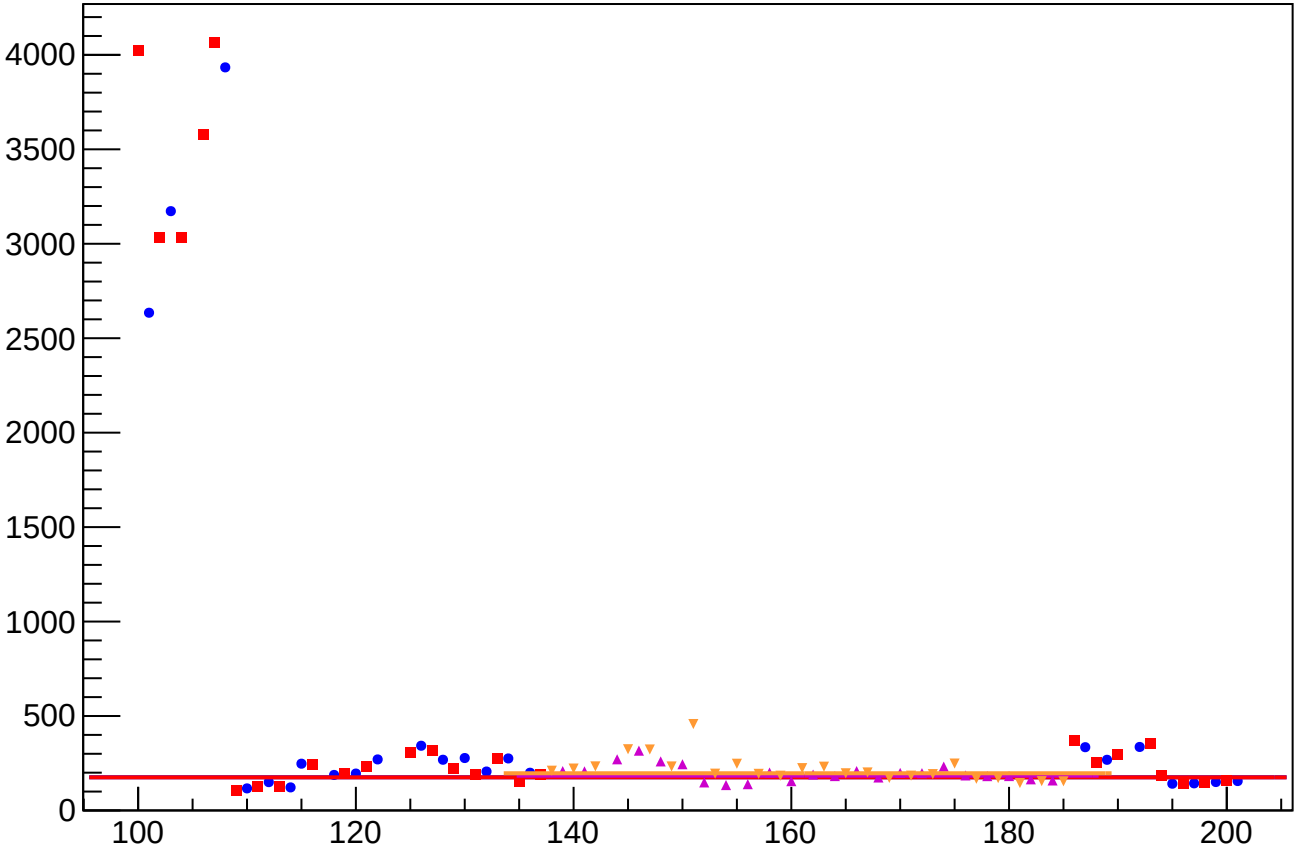
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 25.266+/-36.292 χ^2/NDF: 44.5/46

All: 5.267+/-25.144 χ^2/NDF: 85.0/95

- sign -13.196+/-34.870 χ^2/NDF: 40.0/48

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: 175.248+/-0.039 χ^2/NDF: 5323490.3/25

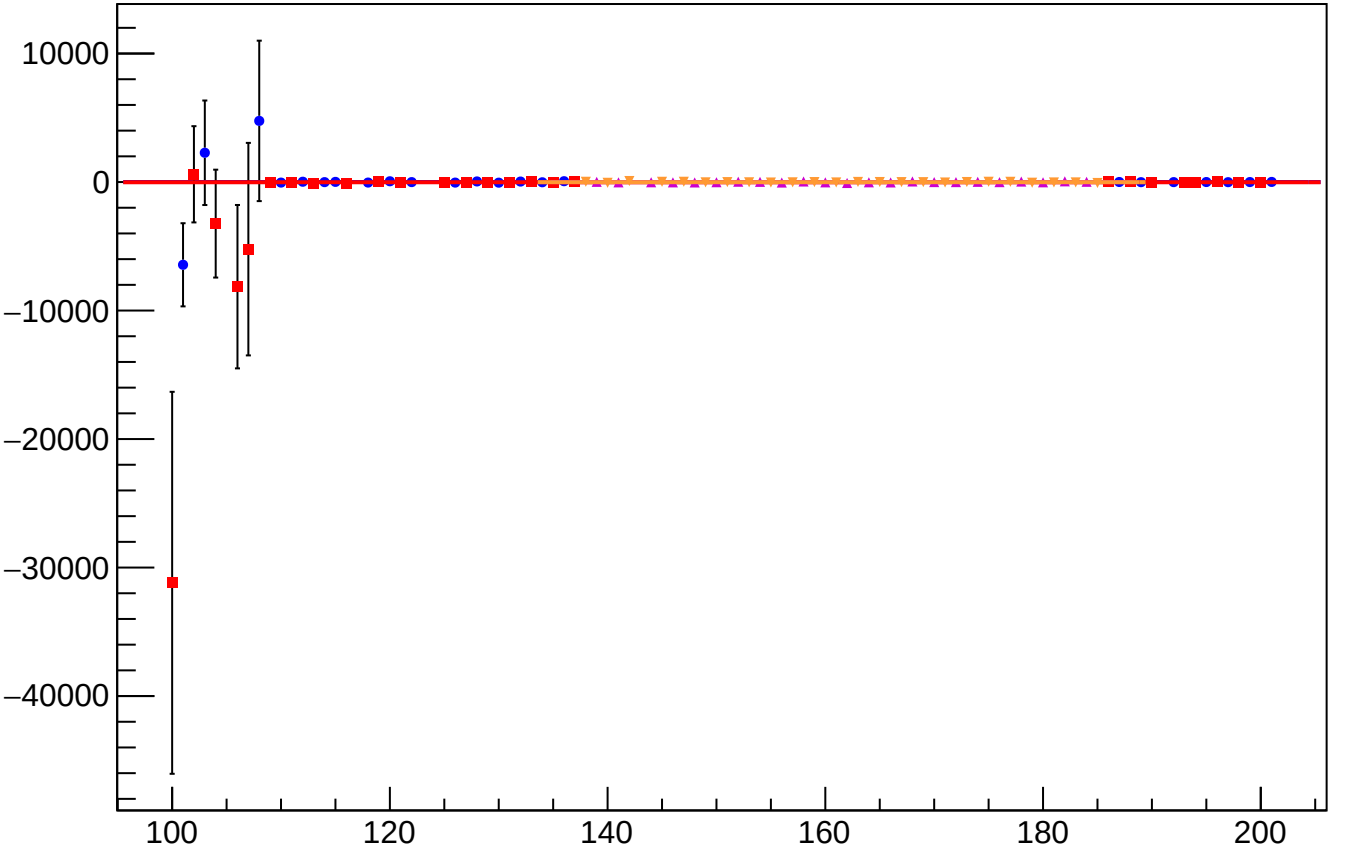
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 188.144+/-0.026 χ^2/NDF: 6788255.1/46

All: 184.213+/-0.018 χ^2/NDF: 13632719.6/95

- sign 180.584+/-0.025 χ^2/NDF: 6799345.3/48

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



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: -15.456+/-8.270 χ^2/NDF: 28.1/25

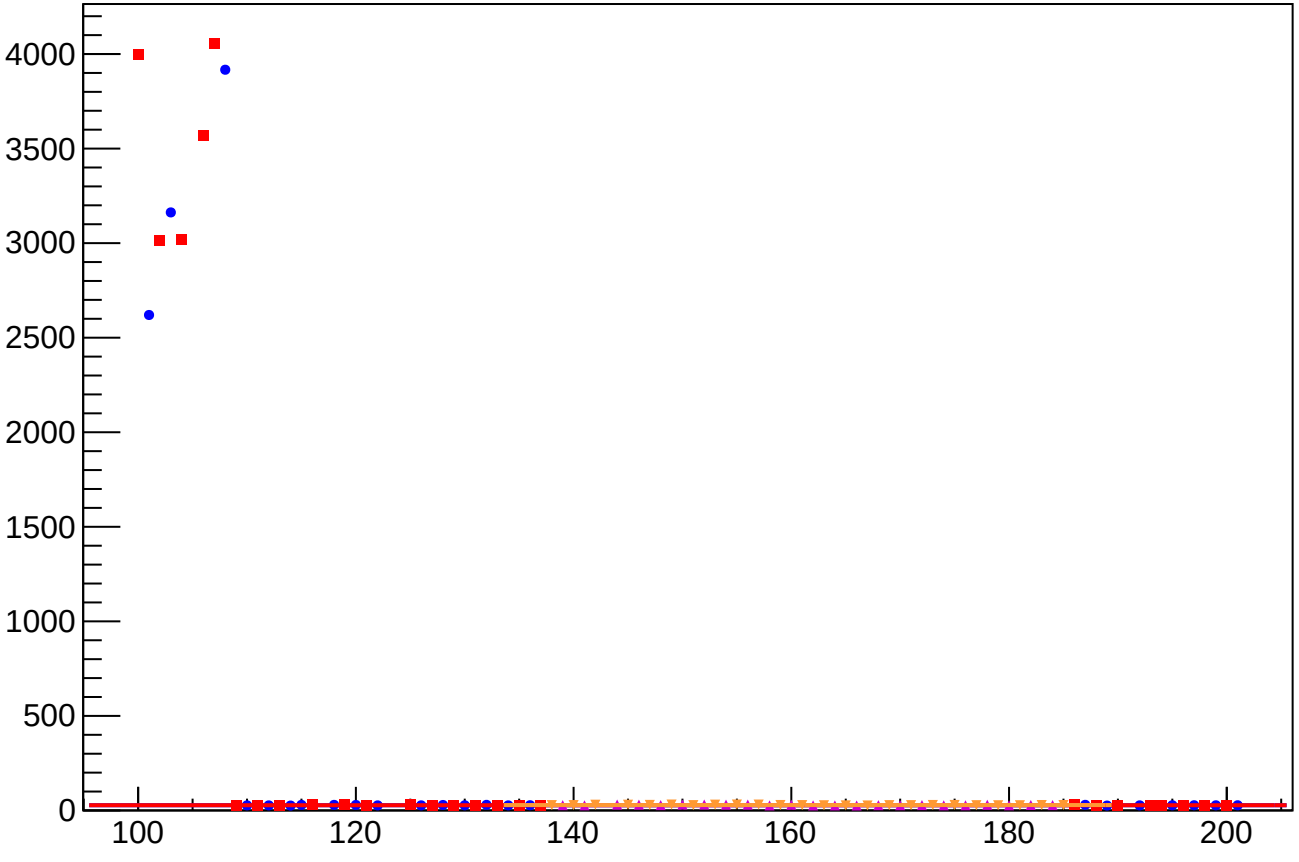
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.005+/-5.219 χ^2/NDF: 37.9/46

All: -6.857+/-3.691 χ^2/NDF: 89.6/95

- sign -7.709+/-5.221 χ^2/NDF: 51.7/48

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: 27.660+/-0.006 χ^2/NDF: 3577845.0/25

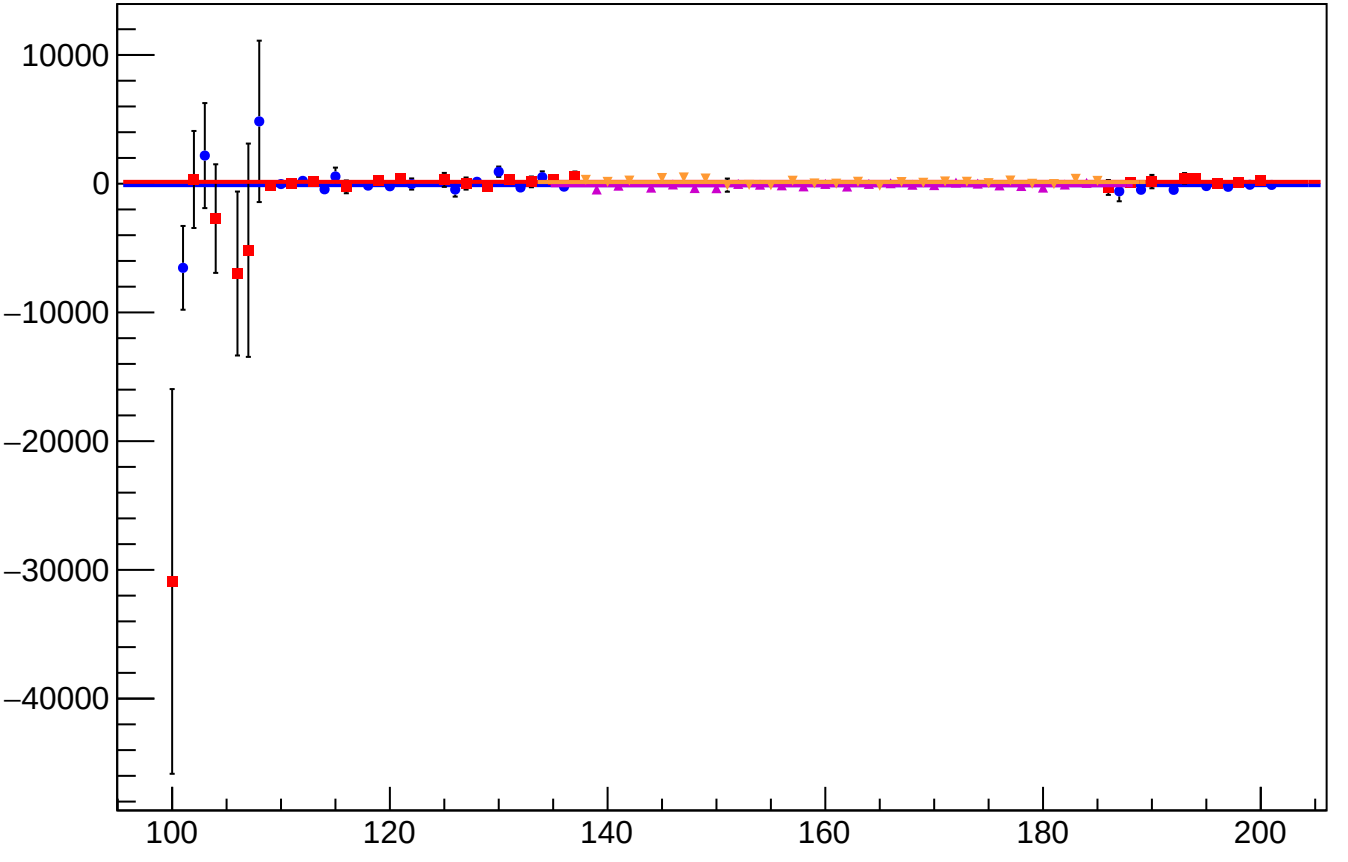
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.177+/-0.004 χ^2/NDF: 3376268.1/46

All: 28.240+/-0.003 χ^2/NDF: 7102103.0/95

- sign 28.302+/-0.004 χ^2/NDF: 3725262.3/48

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: 143.750+/-55.831 χ^2/NDF: 16.9/25

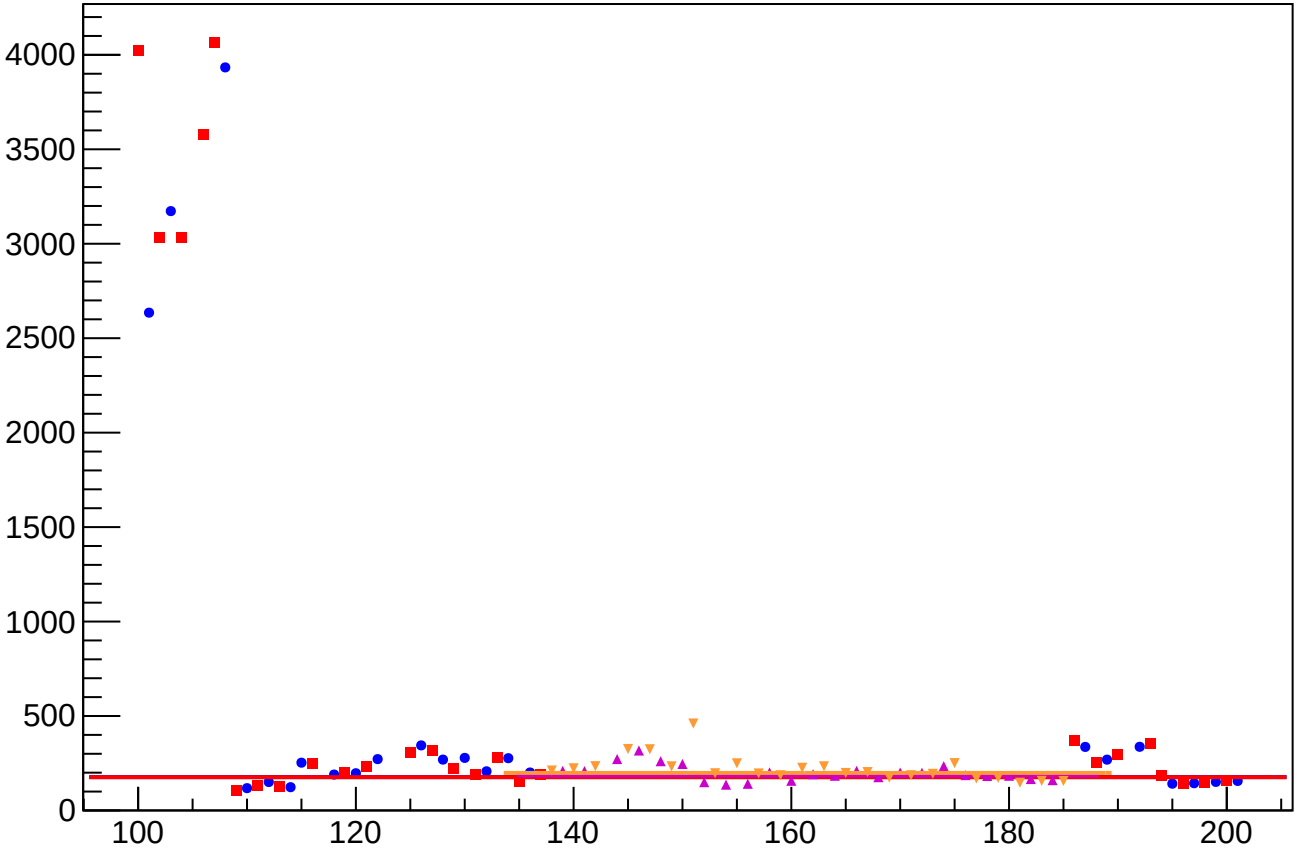
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 26.425+/-36.552 χ^2/NDF: 44.9/46

All: 3.709+/-25.328 χ^2/NDF: 84.2/95

- sign -17.275+/-35.130 χ^2/NDF: 38.6/48

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: 176.155+/-0.039 χ^2/NDF: 5310507.0/25

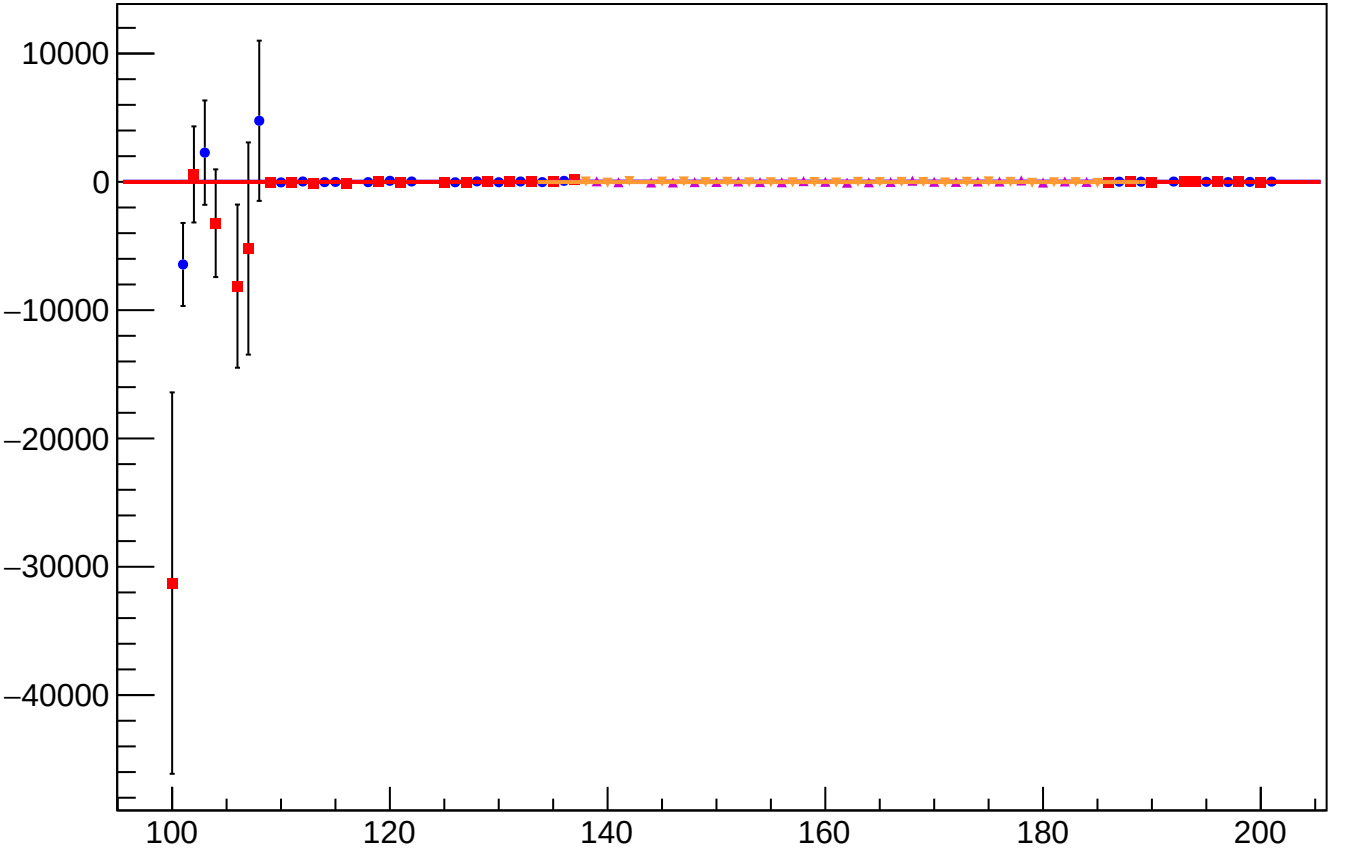
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 189.535+/-0.026 χ^2/NDF: 6772615.5/46

All: 185.631+/-0.018 χ^2/NDF: 13569133.1/95

- sign 182.025+/-0.025 χ^2/NDF: 6752624.4/48

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: -9.602+/-9.127 χ^2/NDF: 36.6/25

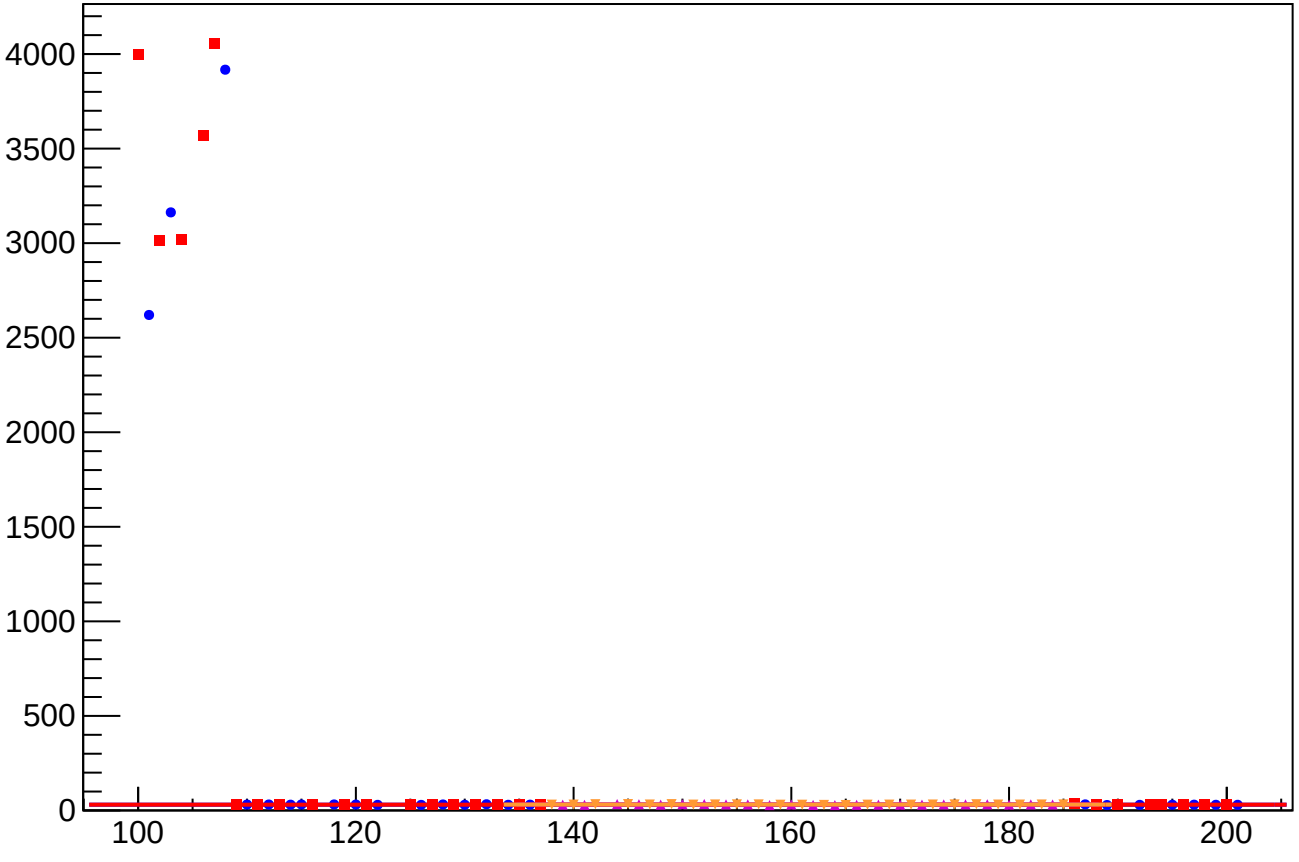
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -7.506+/-5.723 χ^2/NDF: 42.8/46

All: -4.820+/-4.047 χ^2/NDF: 116.5/95

- sign -2.132+/-5.723 χ^2/NDF: 73.3/48

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: 30.547+/-0.006 χ^2/NDF: 3555873.1/25

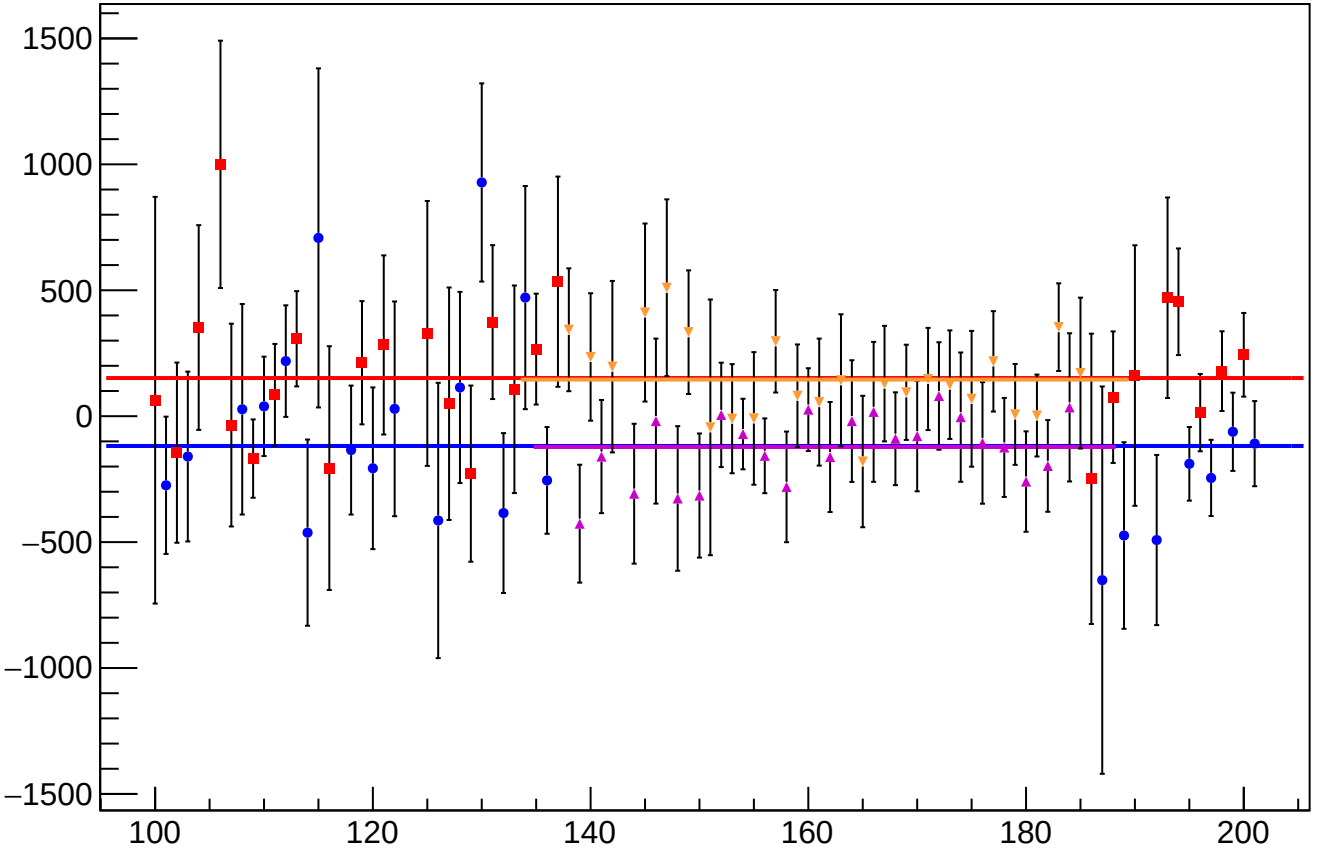
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 30.921+/-0.004 χ^2/NDF: 3319713.6/46

All: 30.986+/-0.003 χ^2/NDF: 6971442.4/95

\- sign 31.052+/-0.004 χ^2/NDF: 3651205.4/48

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: 151.465+/-51.548 χ^2/NDF: 17.3/25

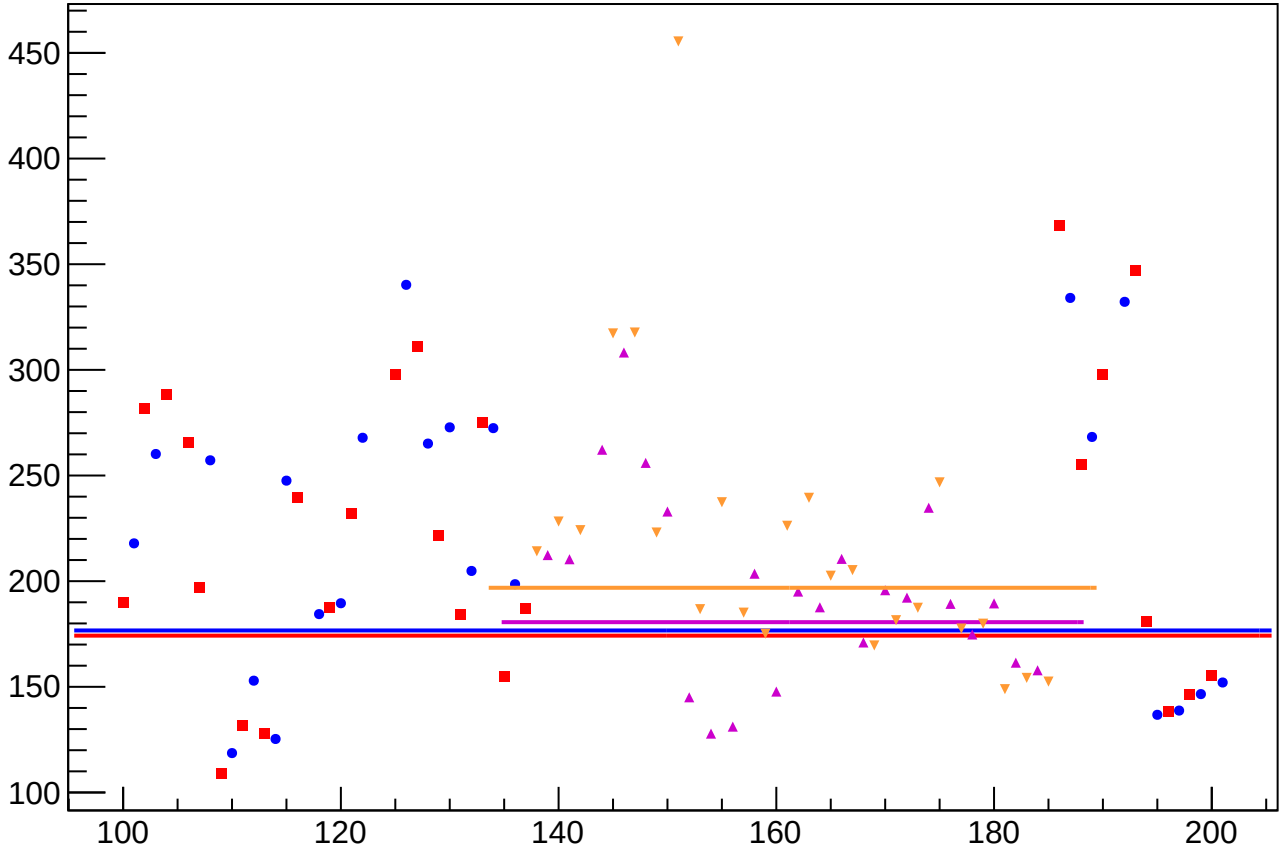
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 28.783+/-35.399 χ^2/NDF: 43.3/46

All: 10.061+/-24.332 χ^2/NDF: 85.3/95

- sign -6.707+/-33.502 χ^2/NDF: 41.5/48

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: 174.225+/-0.036 χ^2/NDF: 2643261.2/25

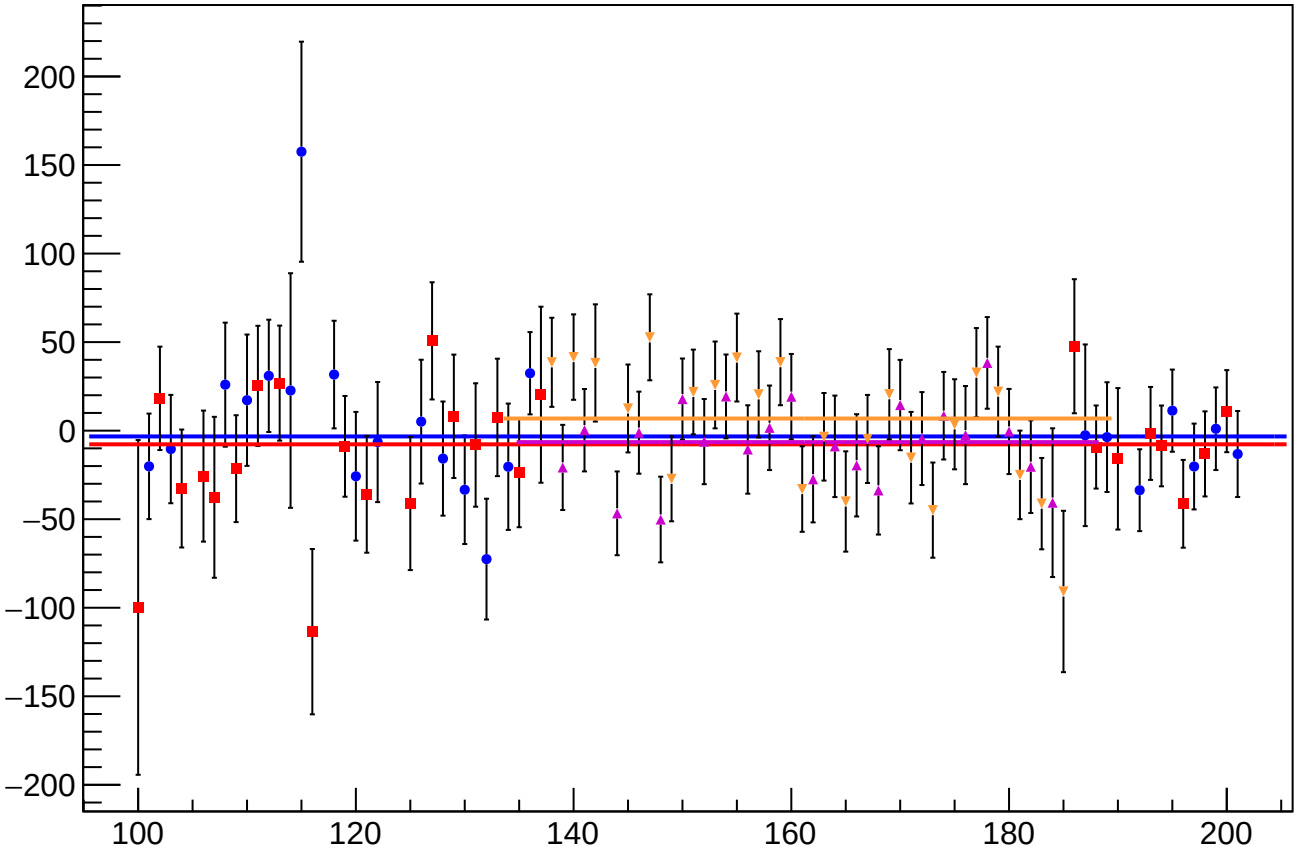
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

\+ sign 187.943+/-0.025 χ^2/NDF: 4041518.7/46

All: 182.650+/-0.017 χ^2/NDF: 8415317.2/95

\- sign 177.908+/-0.024 χ^2/NDF: 4289008.6/48

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: -7.722+/-6.166 χ^2/NDF: 20.8/25

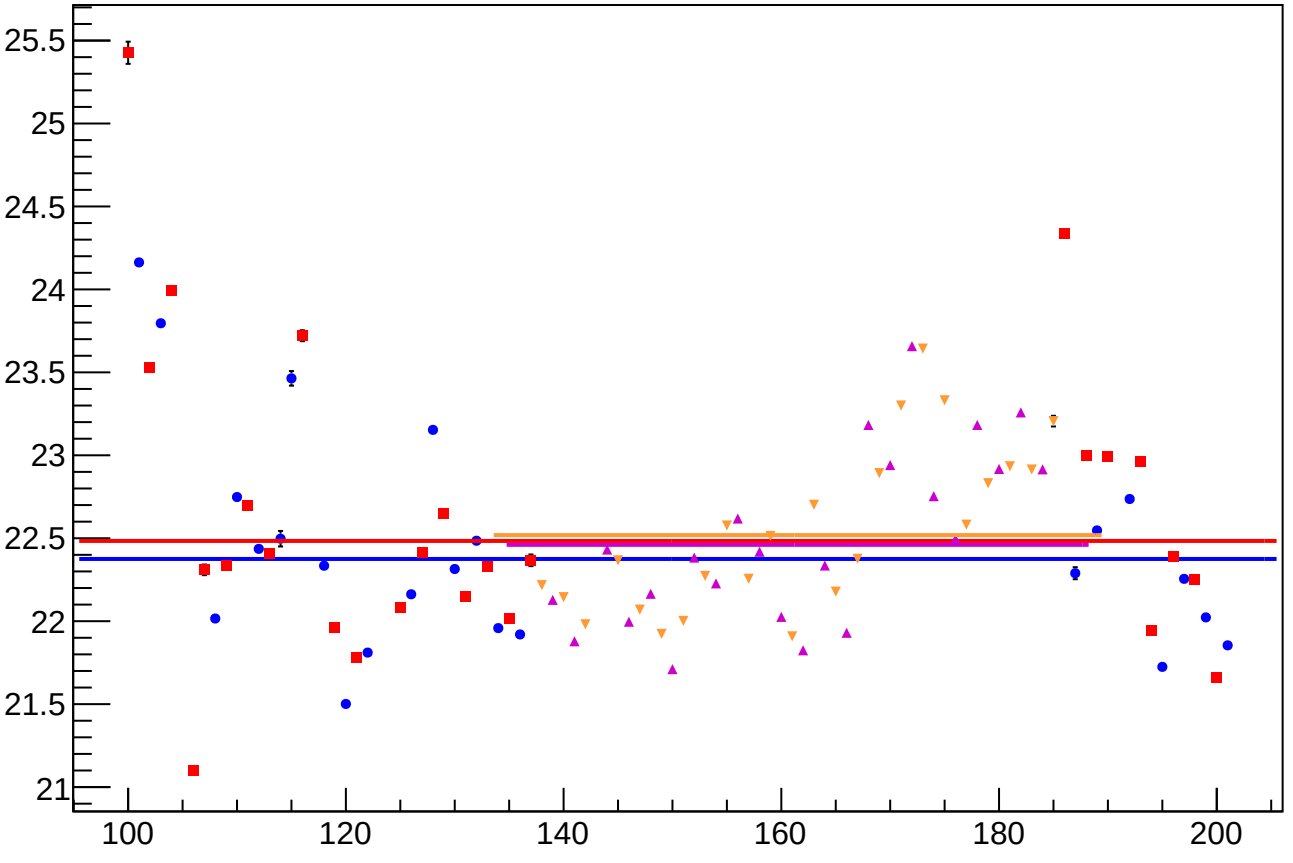
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 2.780+/-4.041 χ^2/NDF: 60.2/46

All: -2.166+/-2.841 χ^2/NDF: 101.4/95

- sign -7.003+/-3.996 χ^2/NDF: 38.3/48

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: 22.484+/-0.004 χ^2/NDF: 26164.1/25

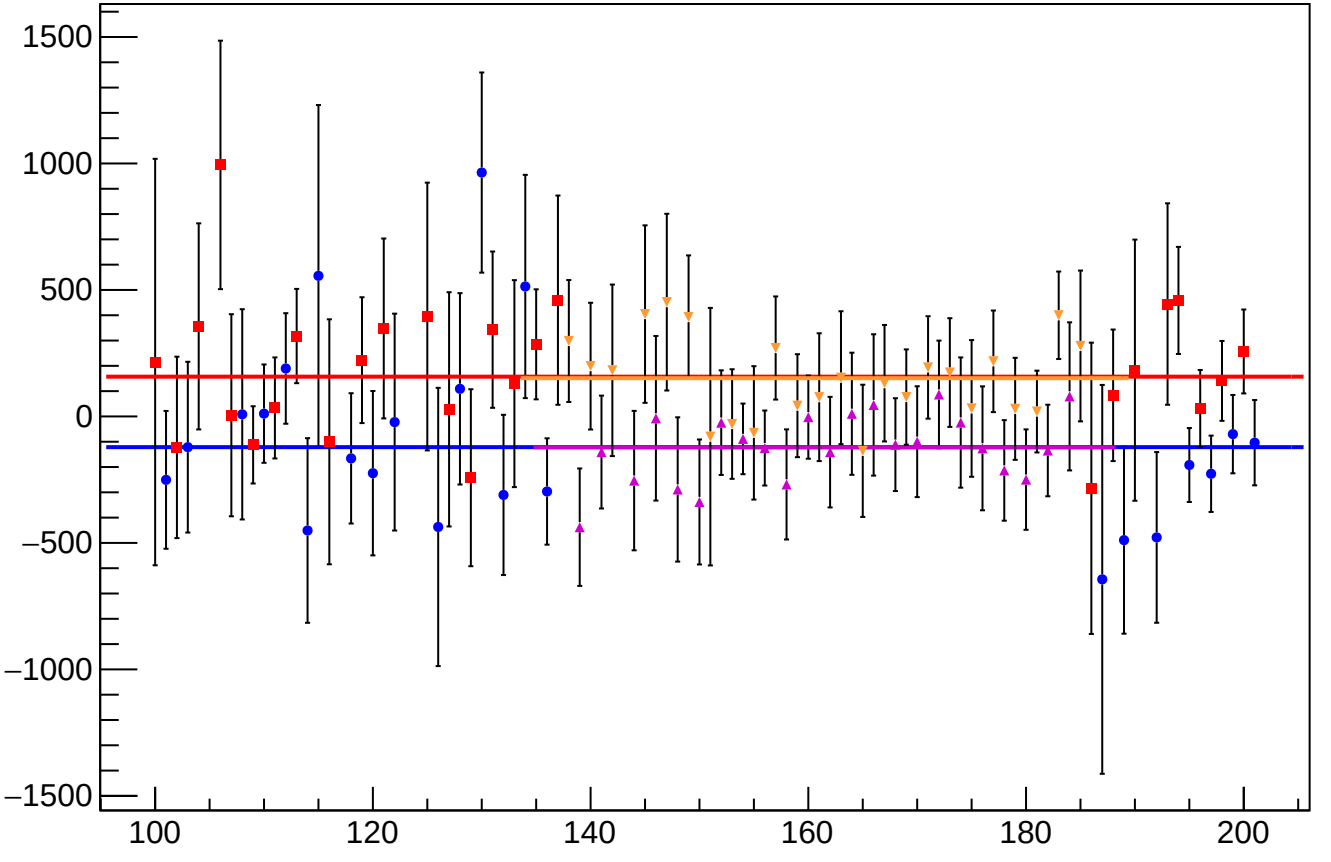
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.461+/-0.003 χ^2/NDF: 36736.2/46

All: 22.466+/-0.002 χ^2/NDF: 82039.6/95

- sign 22.470+/-0.003 χ^2/NDF: 45298.3/48

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: 157.278+/-51.286 χ^2/NDF: 15.9/25

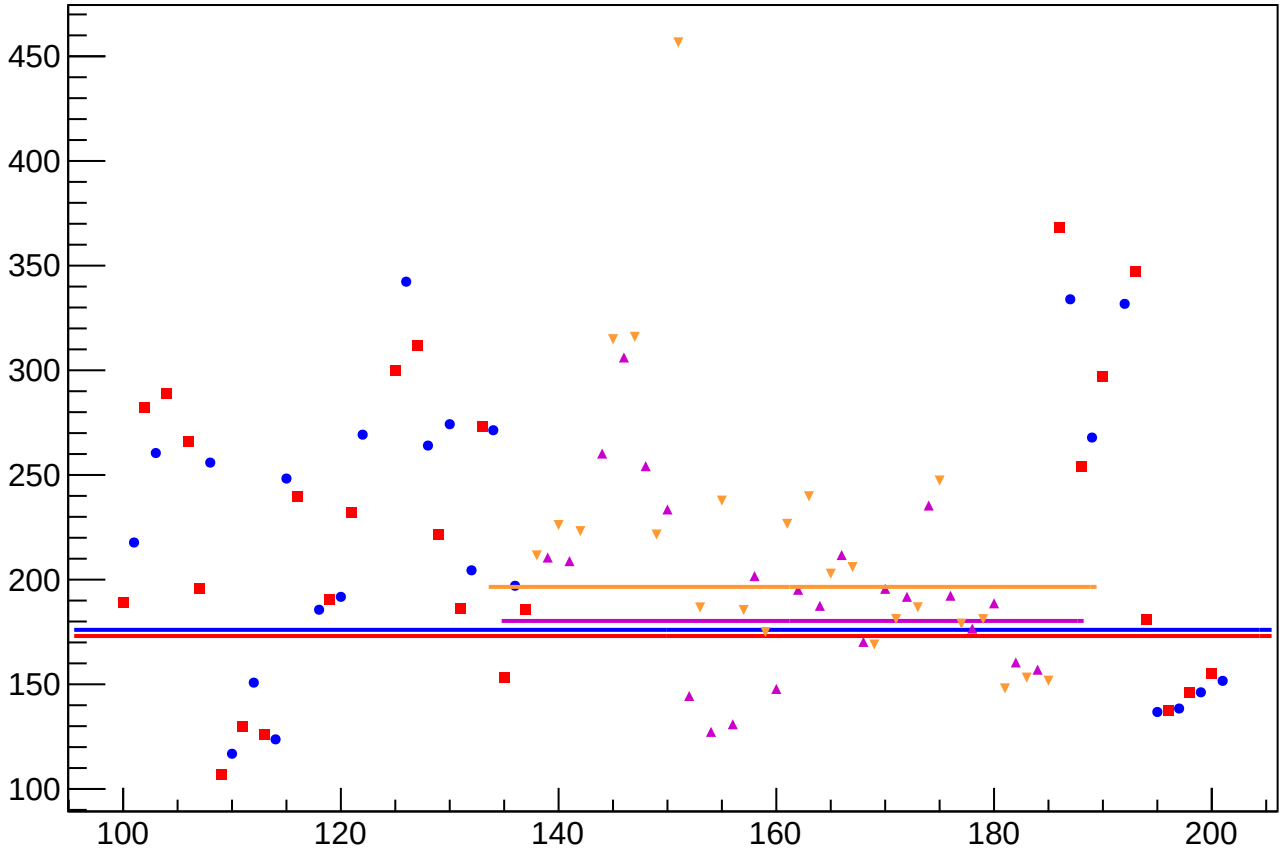
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 30.428+/-35.321 χ^2/NDF: 44.2/46

All: 12.427+/-24.267 χ^2/NDF: 85.2/95

- sign -3.667+/-33.397 χ^2/NDF: 40.5/48

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: 173.059+/-0.036 χ^2/NDF: 2715945.6/25

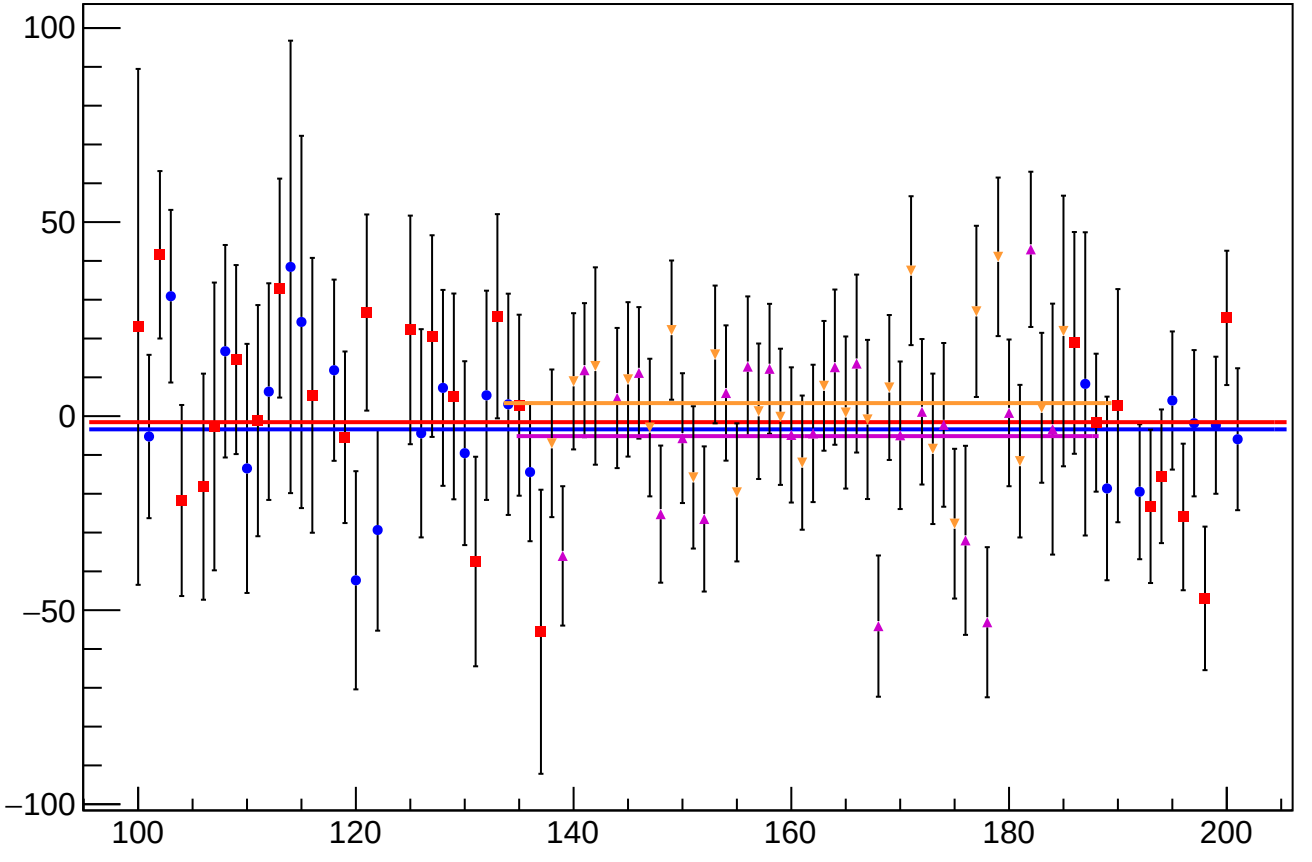
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 187.448+/-0.025 χ^2/NDF: 4080826.1/46

All: 182.045+/-0.017 χ^2/NDF: 8532886.8/95

\- sign 177.215+/-0.024 χ^2/NDF: 4363427.8/48

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: -1.551+/-4.748 χ^2/NDF: 27.4/25

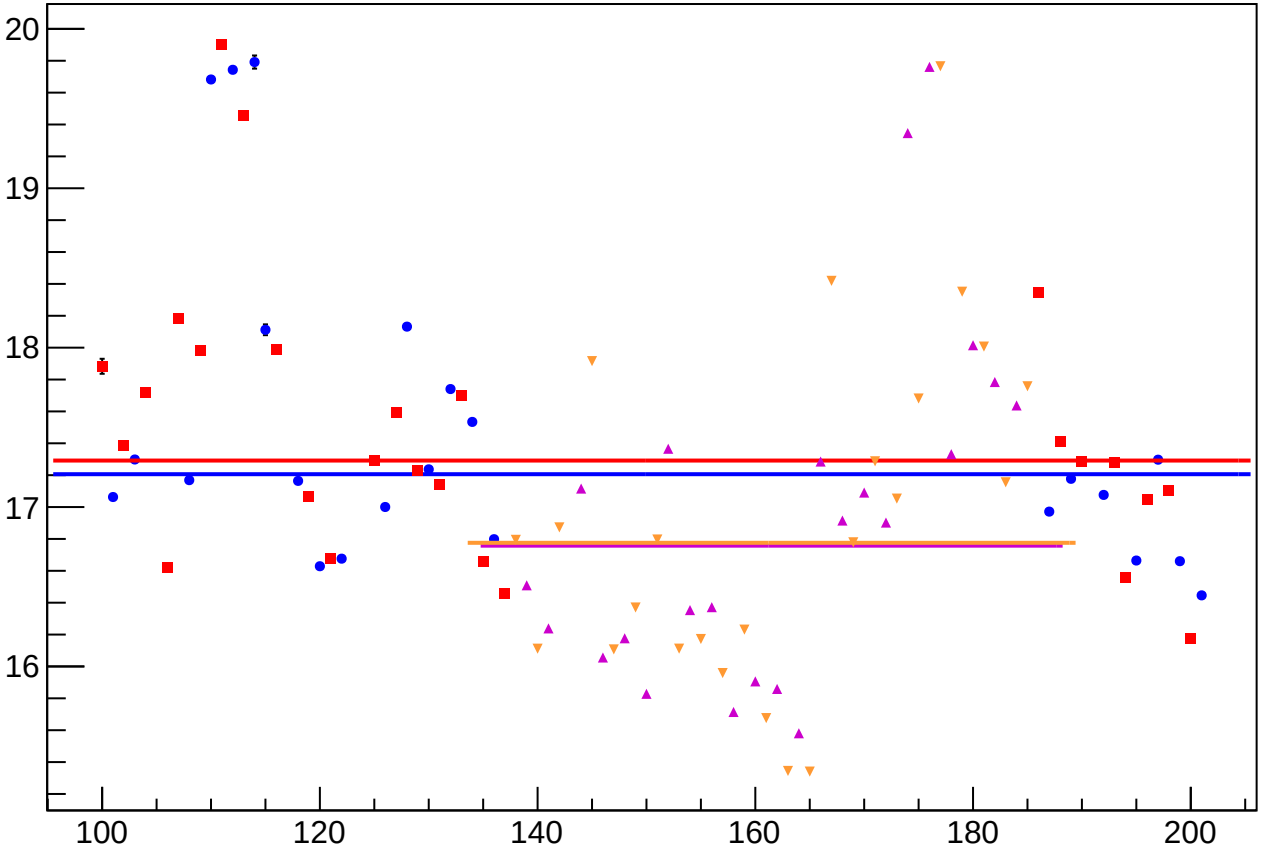
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.735+/-3.054 χ^2/NDF: 28.5/46

All: -1.499+/-2.149 χ^2/NDF: 89.6/95

- sign -3.689+/-3.025 χ^2/NDF: 60.0/48

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: 17.292+/-0.003 χ^2/NDF: 52627.4/25

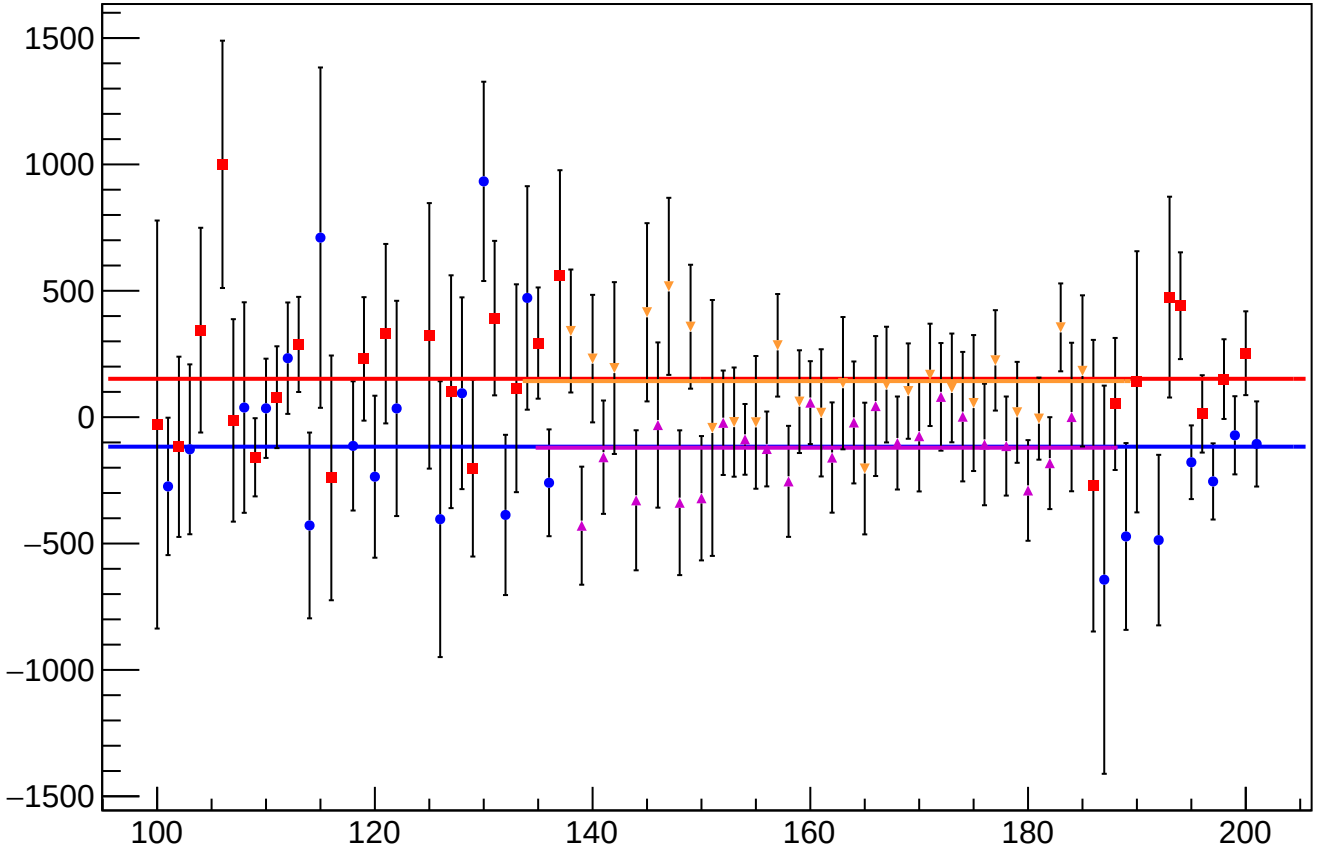
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.943+/-0.002 χ^2/NDF: 192825.7/46

All: 16.959+/-0.002 χ^2/NDF: 383899.3/95

\- sign 16.975+/-0.002 χ^2/NDF: 190964.3/48

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: 151.806+/-51.398 χ^2/NDF: 17.3/25

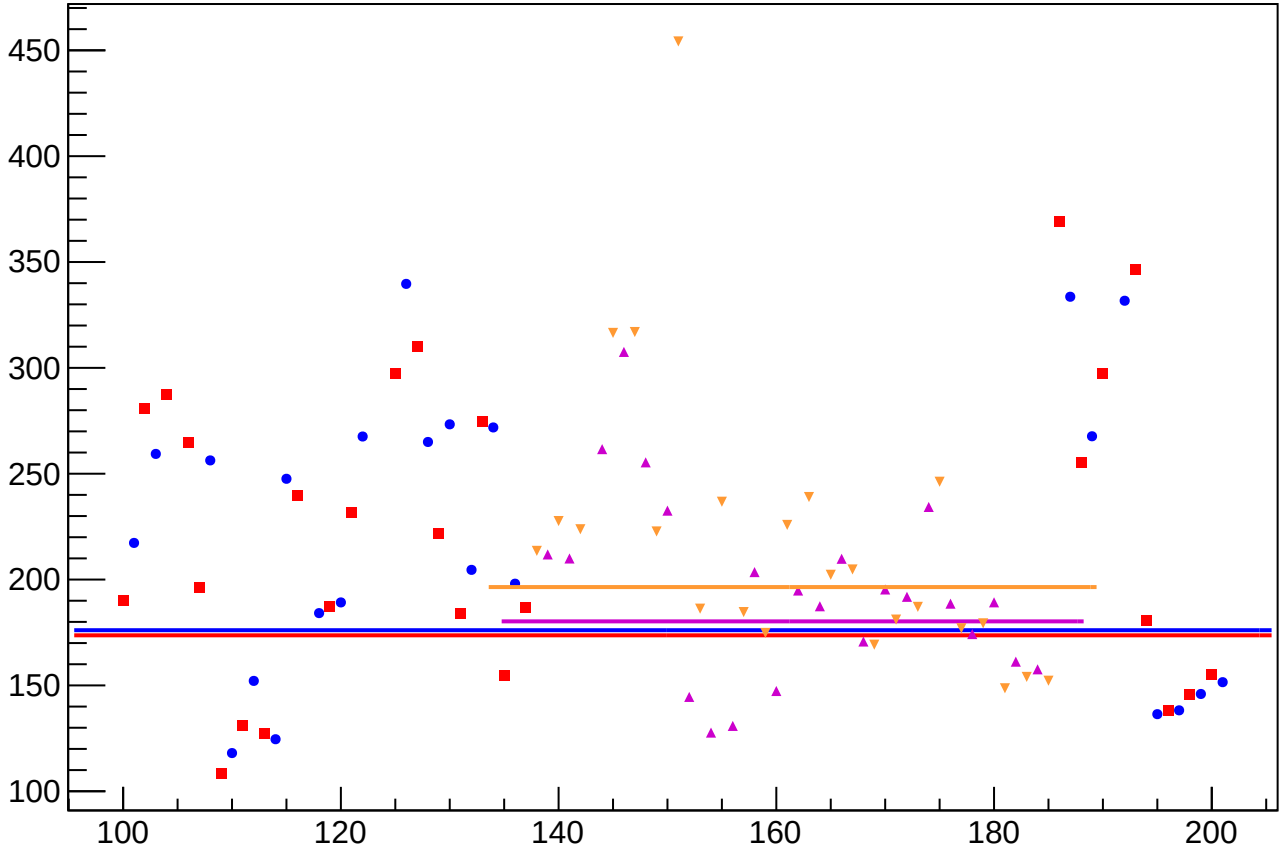
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 27.895+/-35.308 χ^2/NDF: 43.9/46

All: 10.241+/-24.272 χ^2/NDF: 86.1/95

- sign -5.579+/-33.423 χ^2/NDF: 41.8/48

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: 173.659+/-0.036 χ^2/NDF: 2660178.0/25

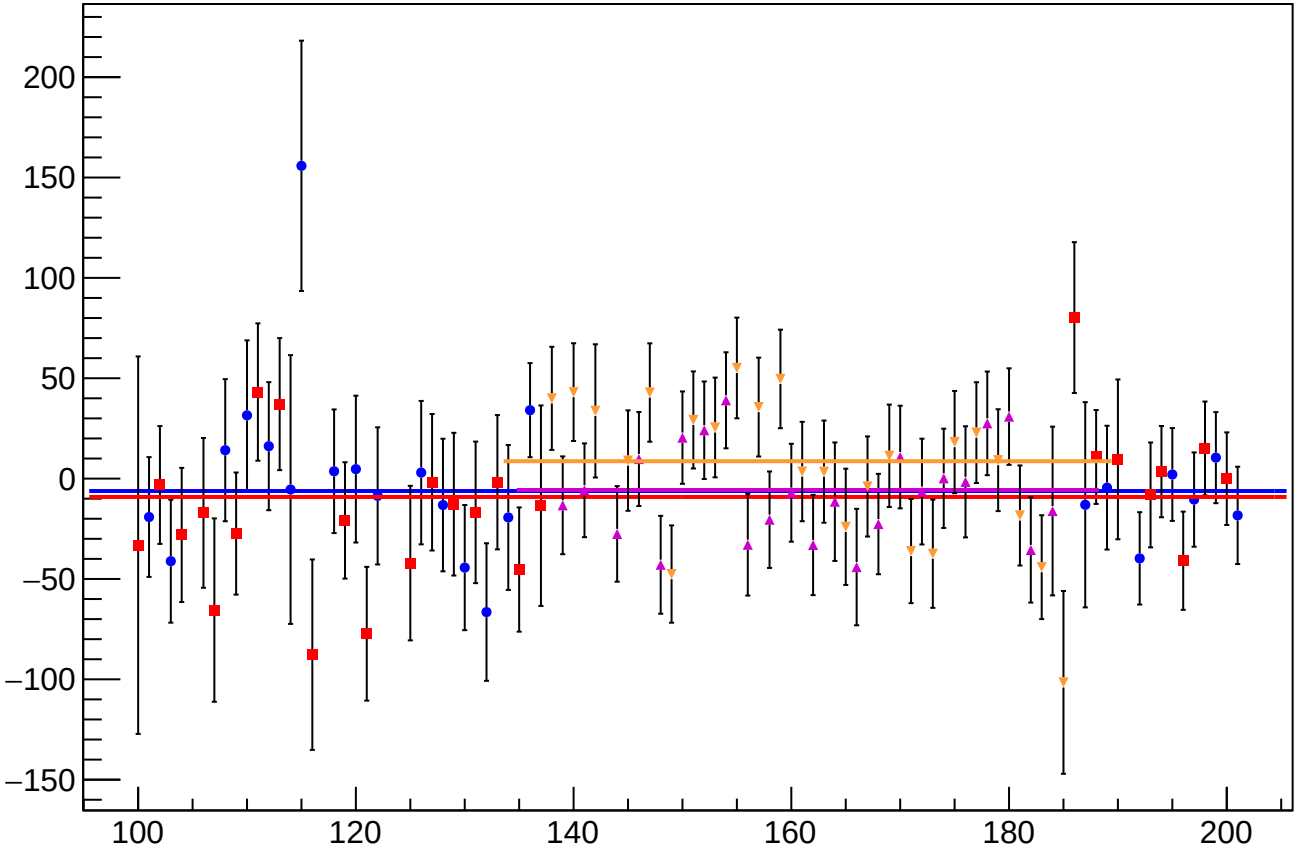
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 187.435+/-0.025 χ^2/NDF: 4056909.8/46

All: 182.175+/-0.017 χ^2/NDF: 8447986.6/95

- sign 177.462+/-0.024 χ^2/NDF: 4306922.0/48

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: -9.144+/-6.180 χ^2/NDF: 25.8/25

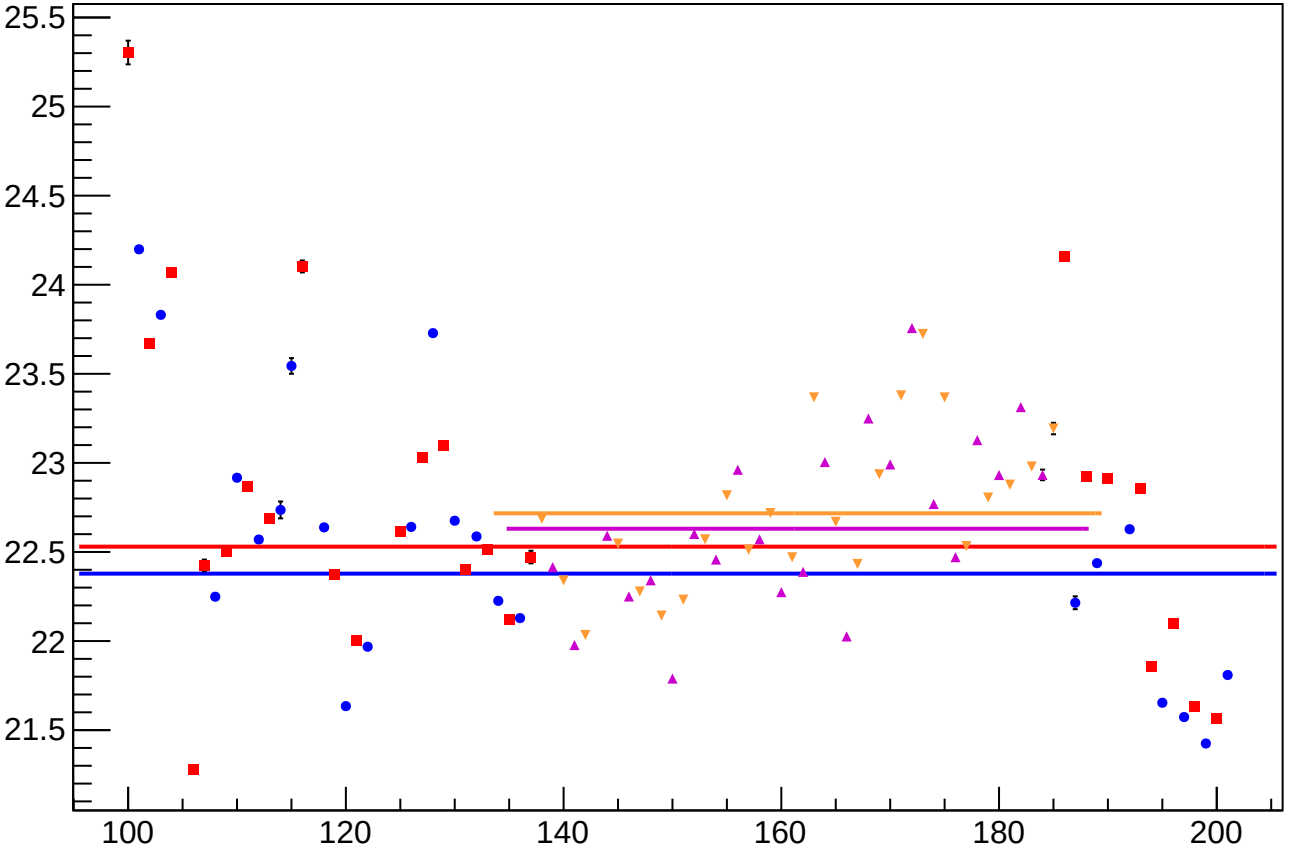
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 2.625+/-4.063 χ^2/NDF: 63.6/46

All: -2.311+/-2.857 χ^2/NDF: 113.3/95

- sign -7.137+/-4.017 χ^2/NDF: 46.8/48

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: 22.530+/-0.004 χ^2/NDF: 29231.4/25

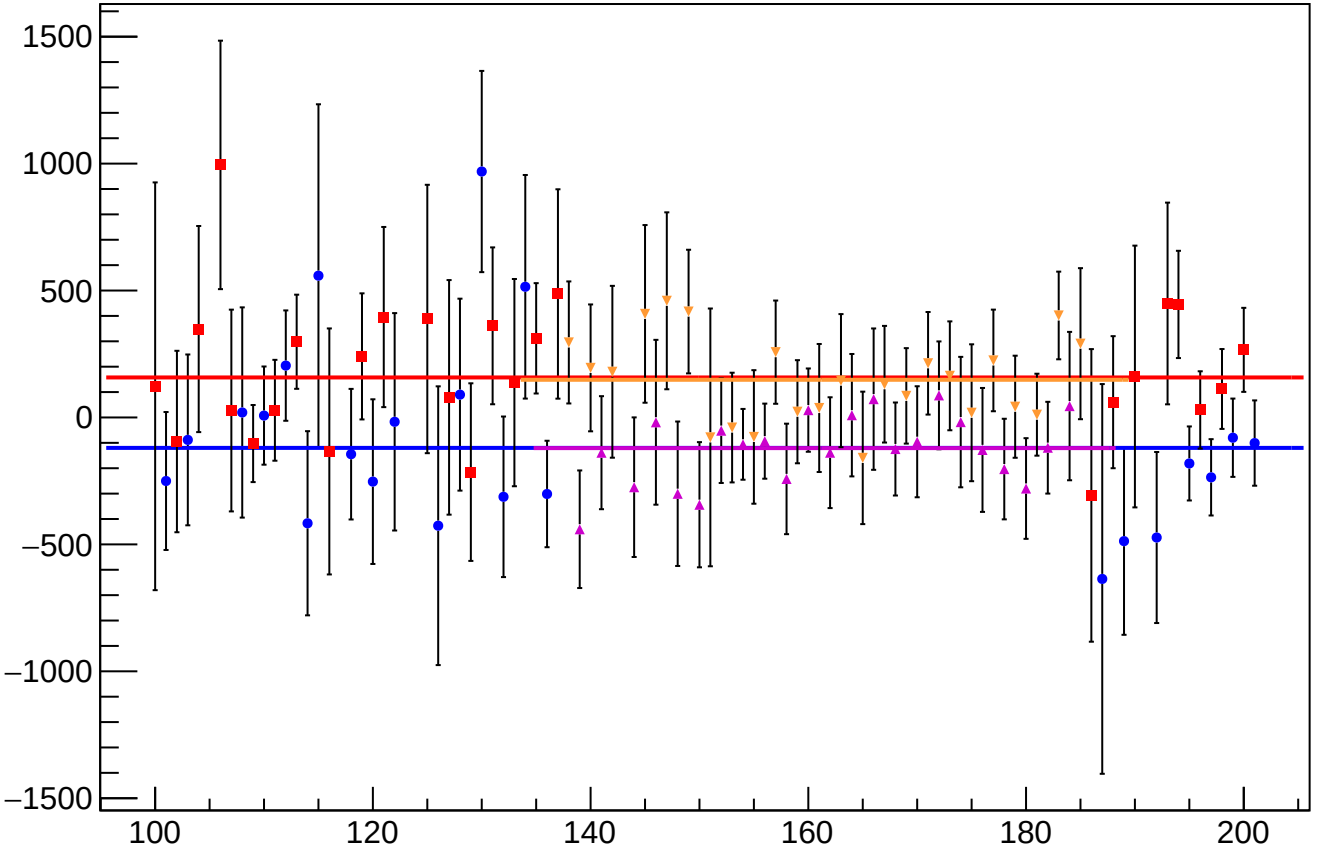
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.579+/-0.003 χ^2/NDF: 43172.0/46

All: 22.584+/-0.002 χ^2/NDF: 88105.6/95

- sign 22.588+/-0.003 χ^2/NDF: 44928.9/48

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: 157.615+/-51.134 χ^2/NDF: 16.0/25

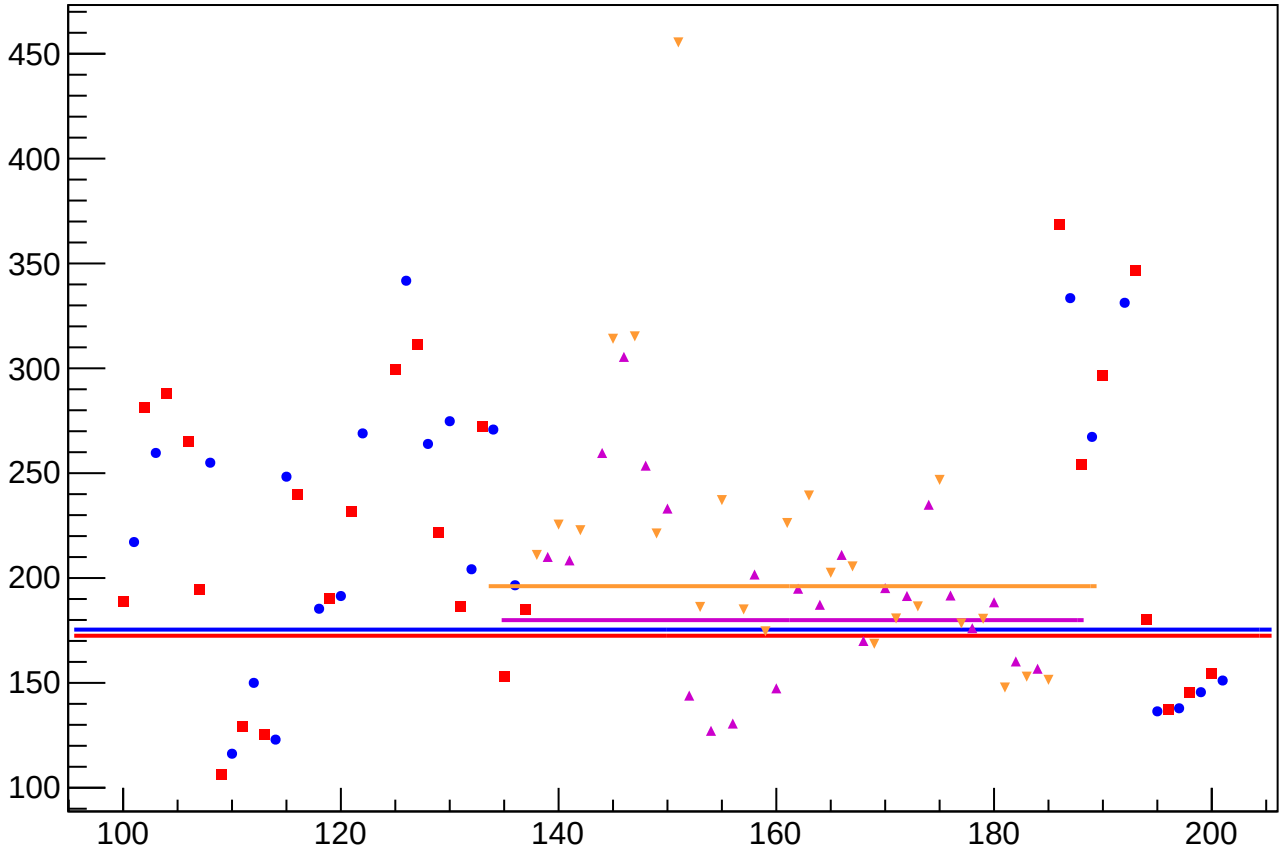
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 29.506+/-35.229 χ^2/NDF: 44.9/46

All: 12.570+/-24.206 χ^2/NDF: 86.2/95

- sign -2.578+/-33.317 χ^2/NDF: 40.9/48

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: 172.484+/-0.036 χ^2/NDF: 2733765.4/25

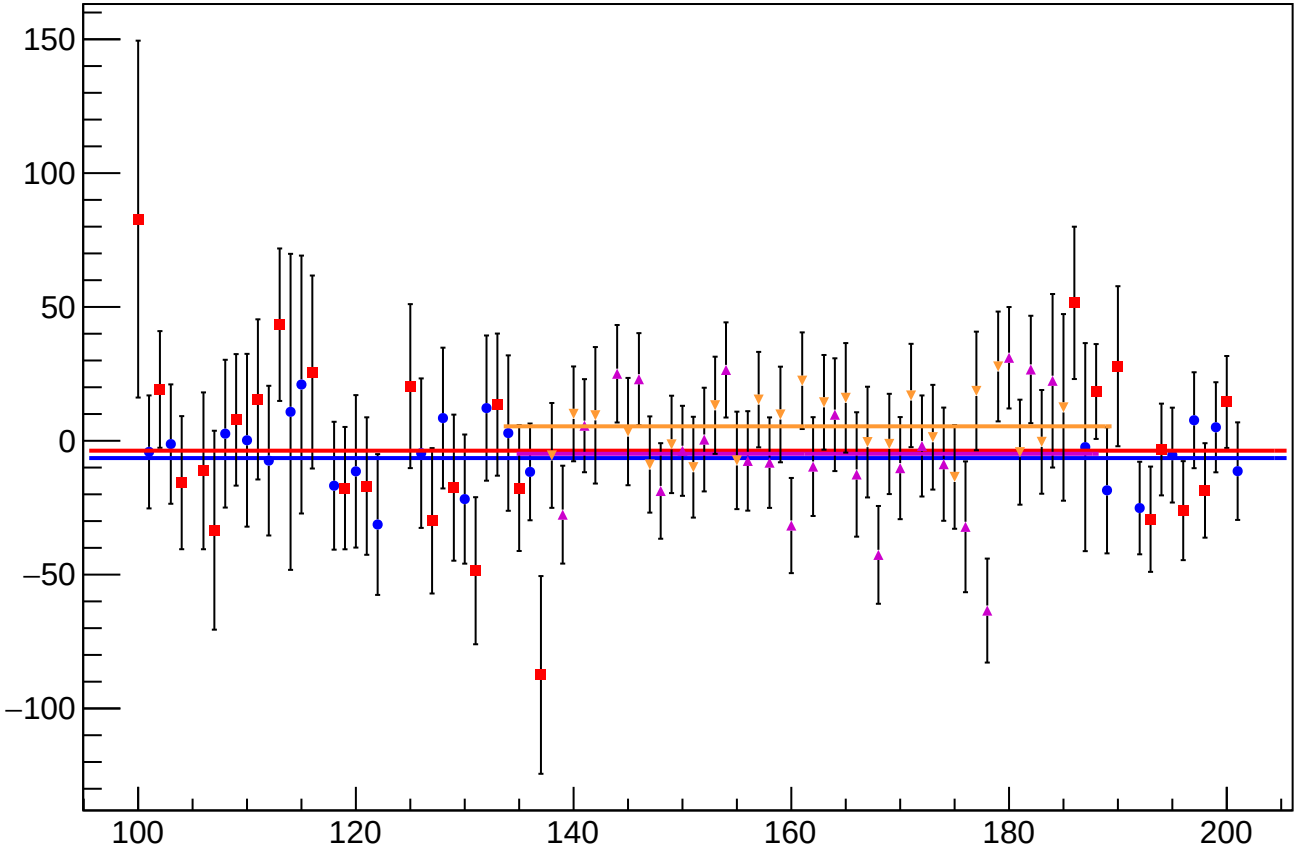
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 186.935+/-0.025 χ^2/NDF: 4096947.0/46

All: 181.567+/-0.017 χ^2/NDF: 8567212.3/95

- sign 176.765+/-0.024 χ^2/NDF: 4382273.4/48

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: -3.696+/-4.759 χ^2/NDF: 30.2/25

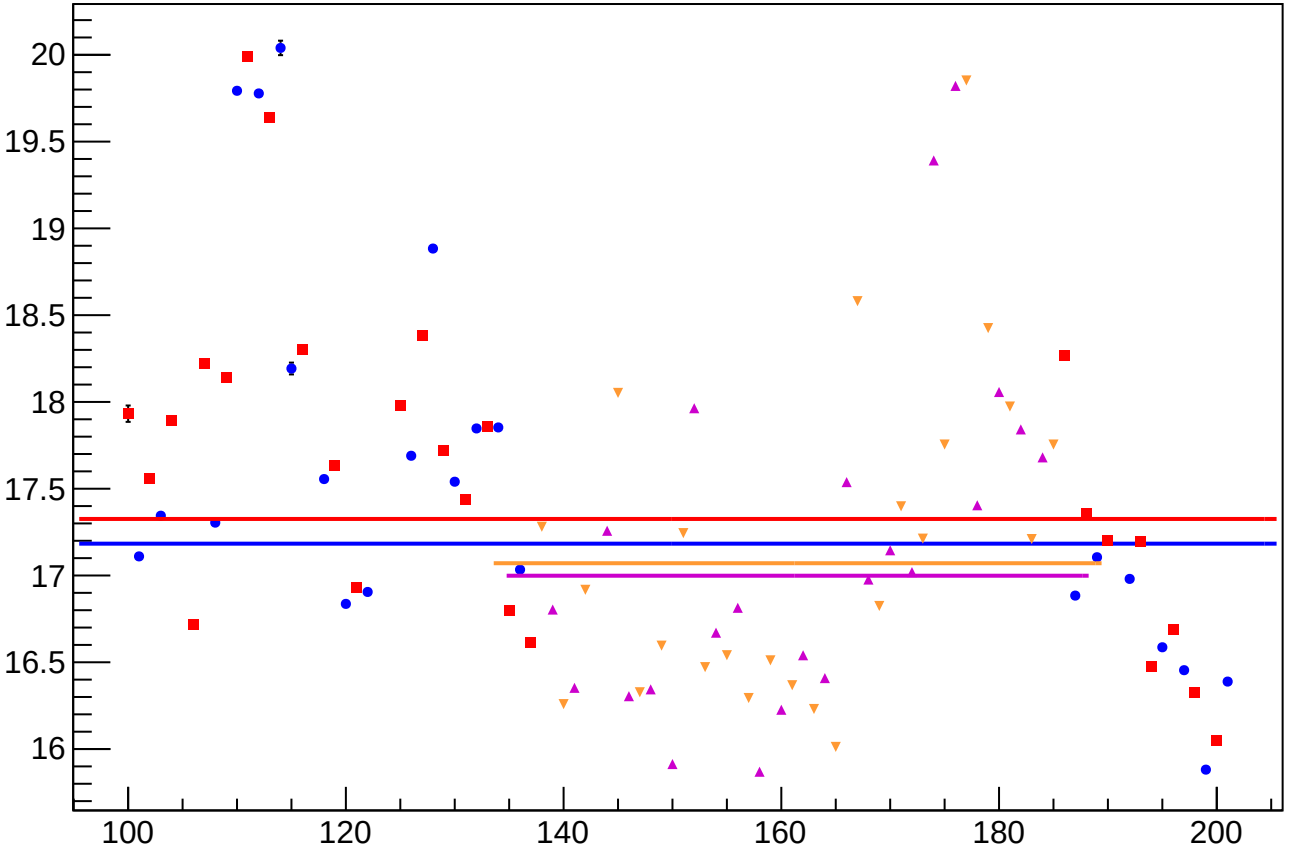
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.700+/-3.085 χ^2/NDF: 17.1/46

All: -1.867+/-2.170 χ^2/NDF: 84.2/95

- sign -4.380+/-3.053 χ^2/NDF: 65.8/48

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: 17.326+/-0.003 χ^2/NDF: 70987.7/25

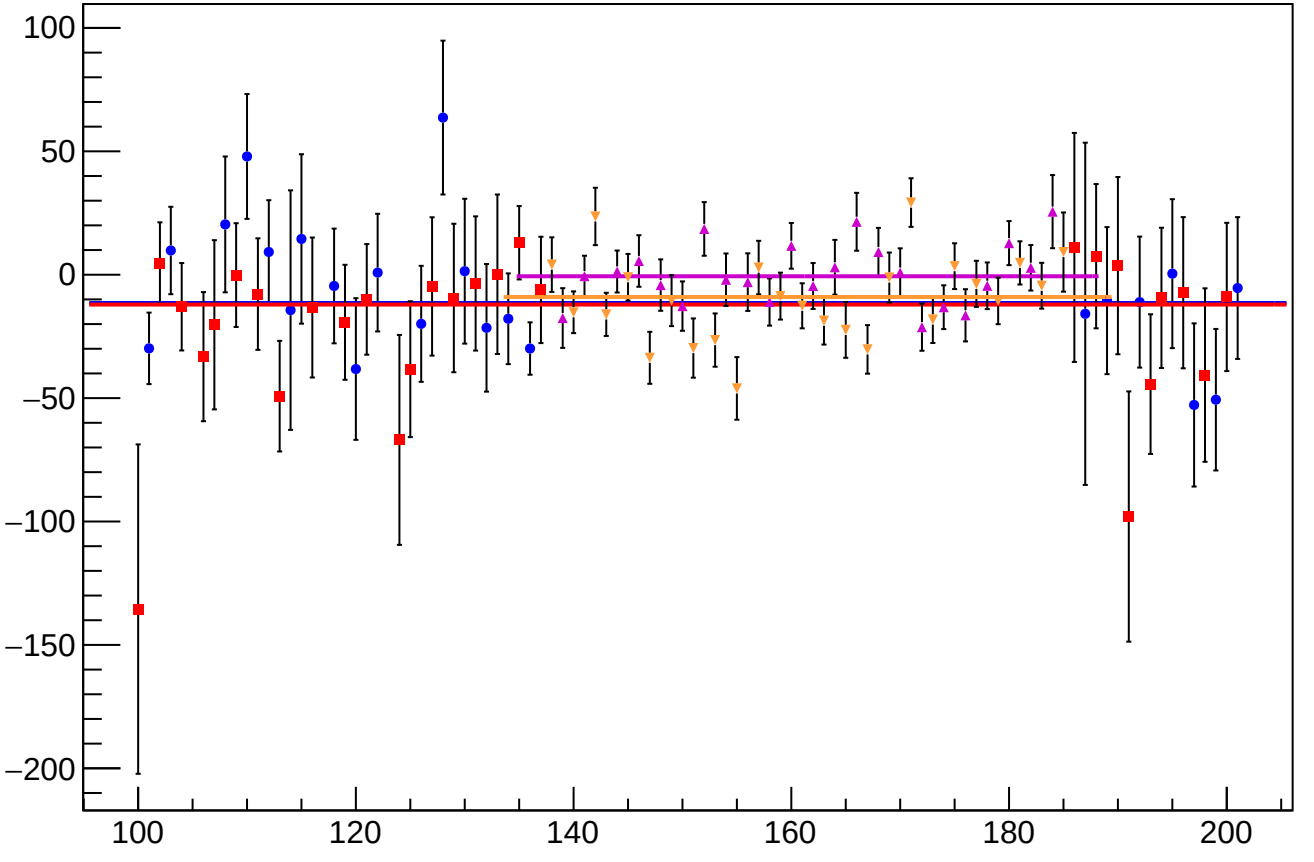
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.115+/-0.002 χ^2/NDF: 167594.8/46

All: 17.124+/-0.002 χ^2/NDF: 348195.3/95

\- sign 17.133+/-0.002 χ^2/NDF: 180566.4/48

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

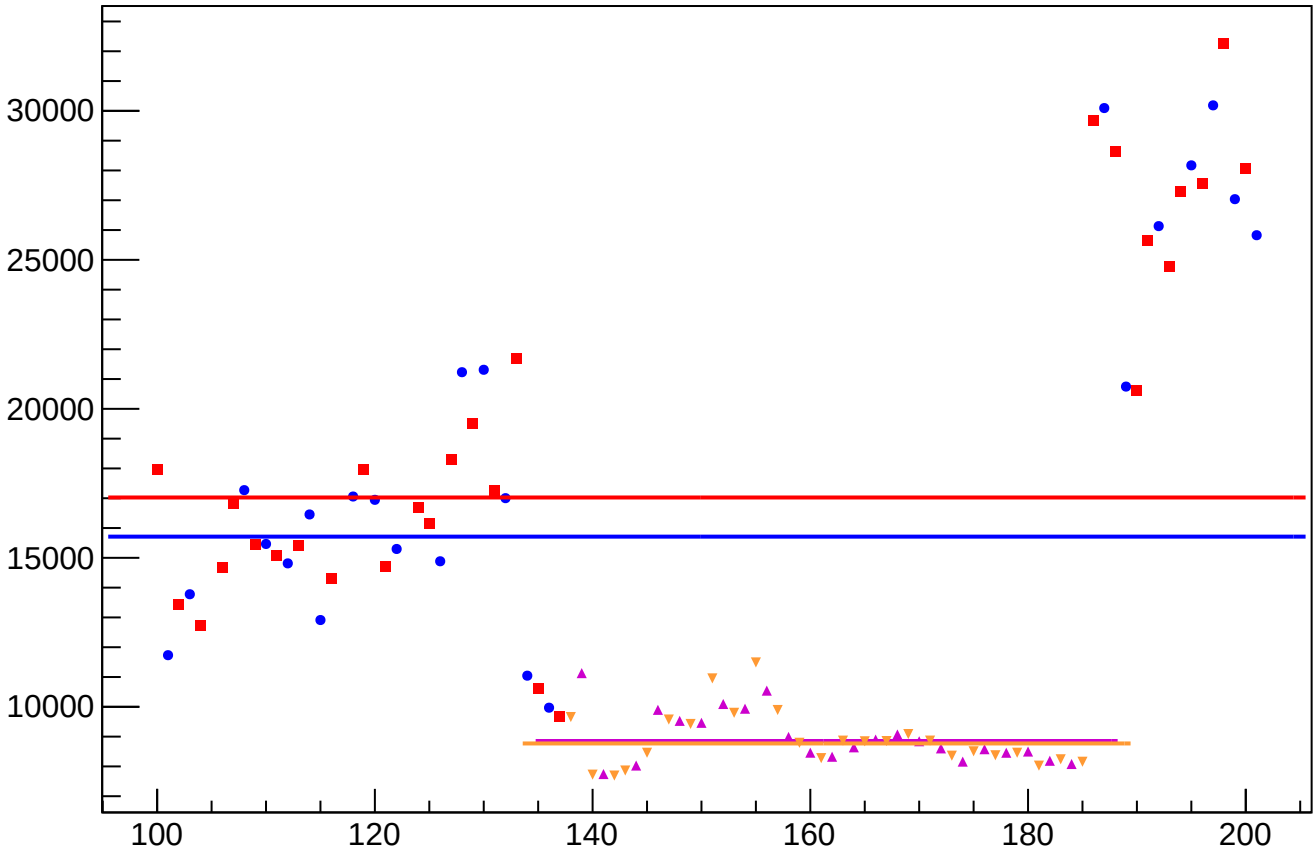
Right Out: -12.091+/-4.873 χ^2/NDF: 19.9/27

Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.392+/-1.850 χ^2/NDF: 88.0/47

All: -6.008+/-1.330 χ^2/NDF: 148.9/98

- sign -2.393+/-1.912 χ^2/NDF: 54.1/50



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: 17025.100+/-3.446 χ^2/NDF: 2805745.6/27

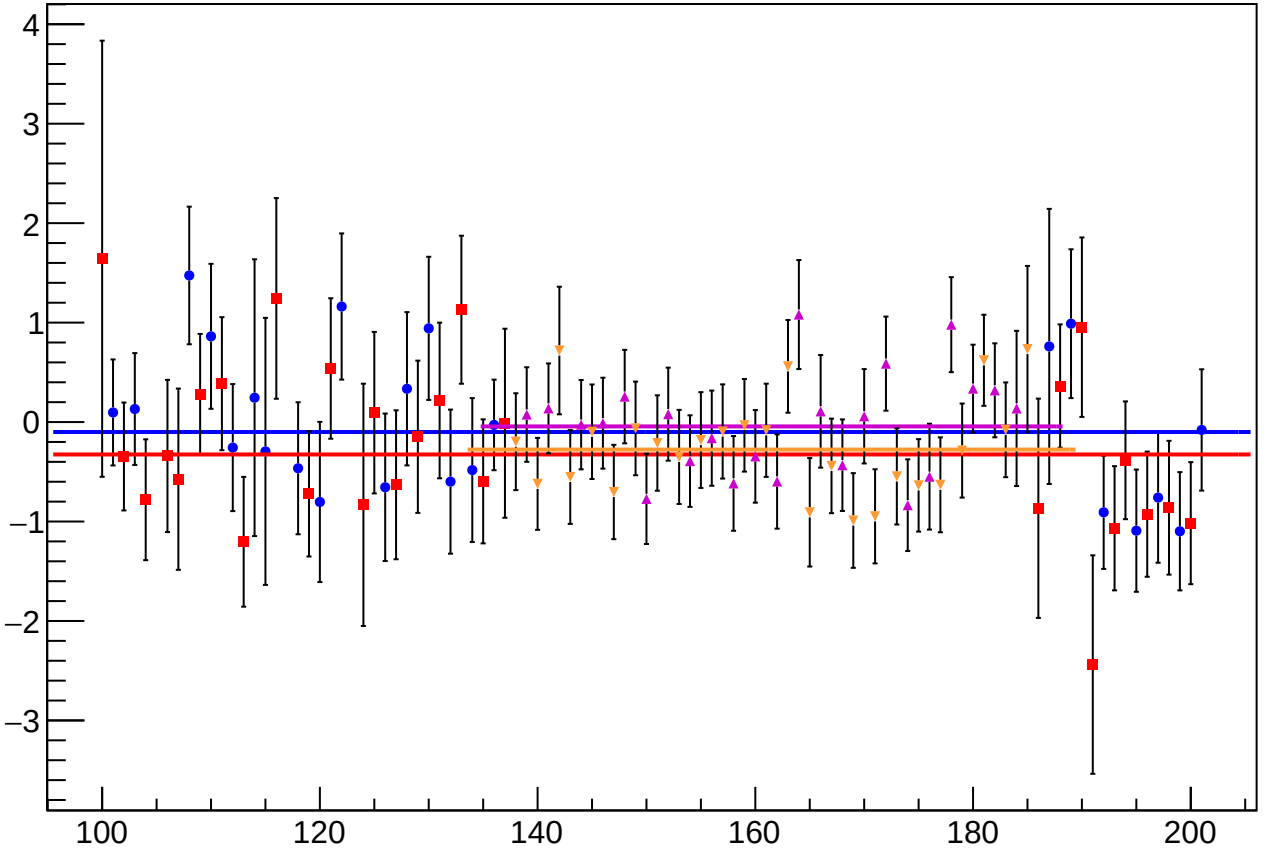
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9809.476+/-1.308 χ^2/NDF: 6731036.4/47

All: 9955.443+/-0.940 χ^2/NDF: 14620508.5/9

- sign 10111.407+/-1.352 χ^2/NDF: 7863722.3/50

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: -0.326+/-0.137 χ^2/NDF: 26.4/27

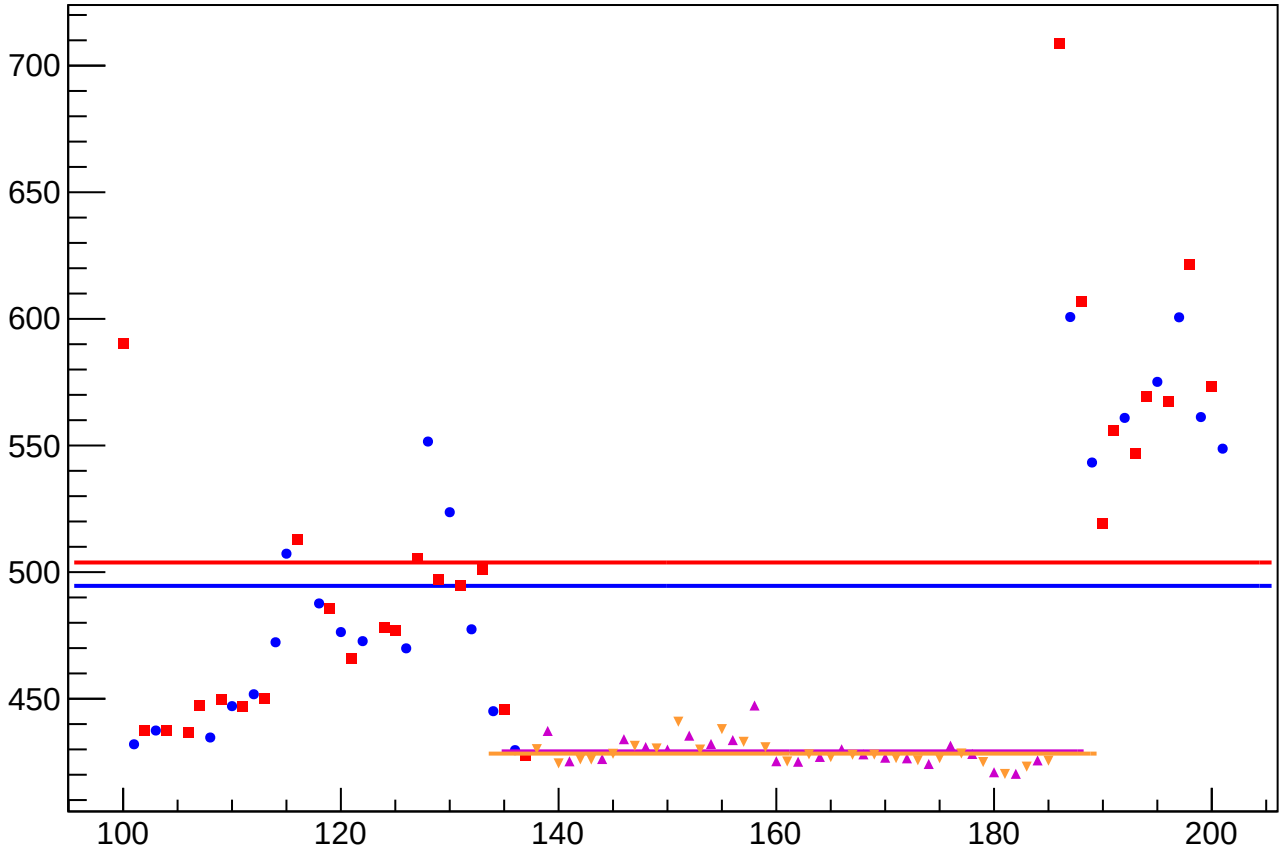
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.220+/-0.080 χ^2/NDF: 48.2/47

All: -0.181+/-0.057 χ^2/NDF: 101.6/98

- sign -0.142+/-0.081 χ^2/NDF: 52.9/50

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: 503.808+/-0.097 χ^2/NDF: 435641.0/27

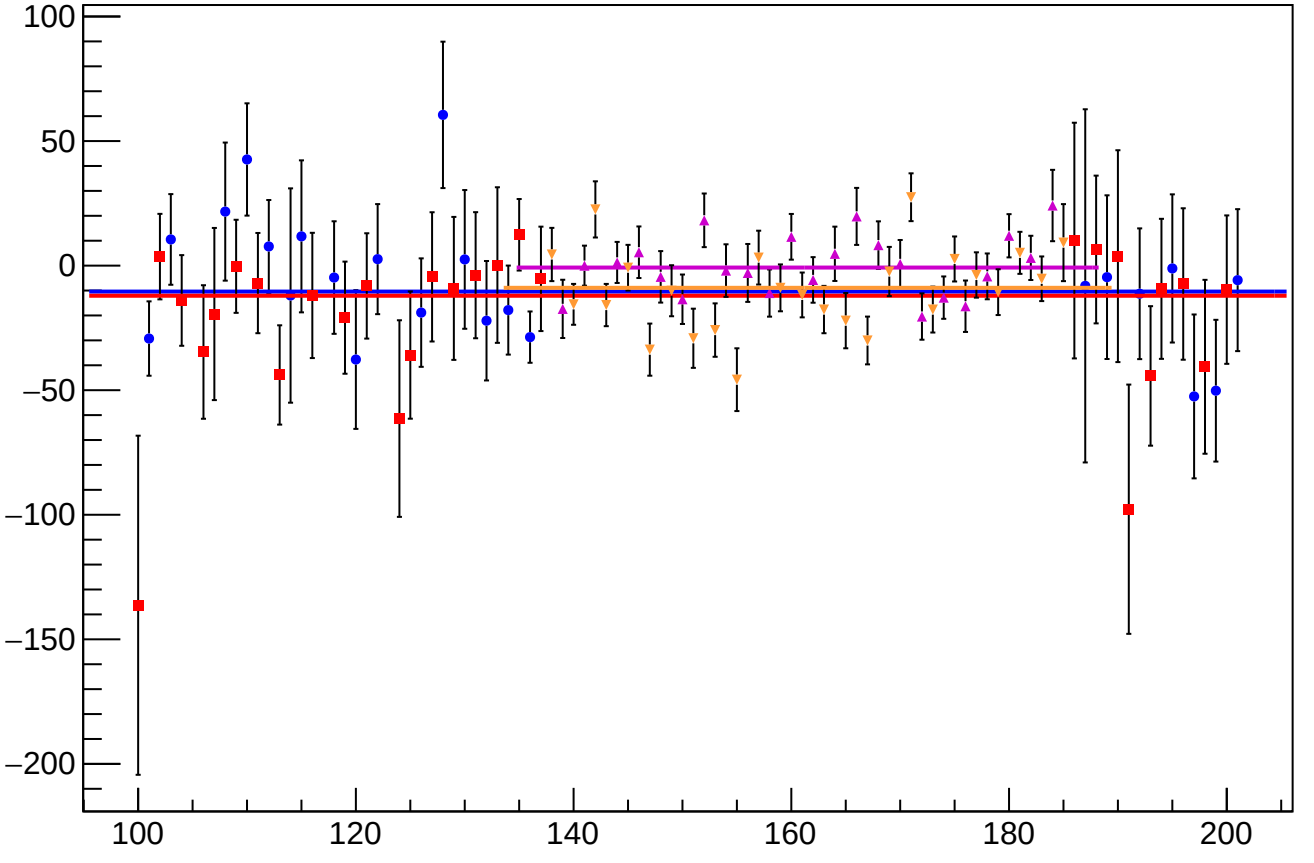
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 449.568+/-0.057 χ^2/NDF: 627929.9/47

All: 452.350+/-0.040 χ^2/NDF: 1460521.3/98

- sign 455.182+/-0.057 χ^2/NDF: 827736.2/50

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

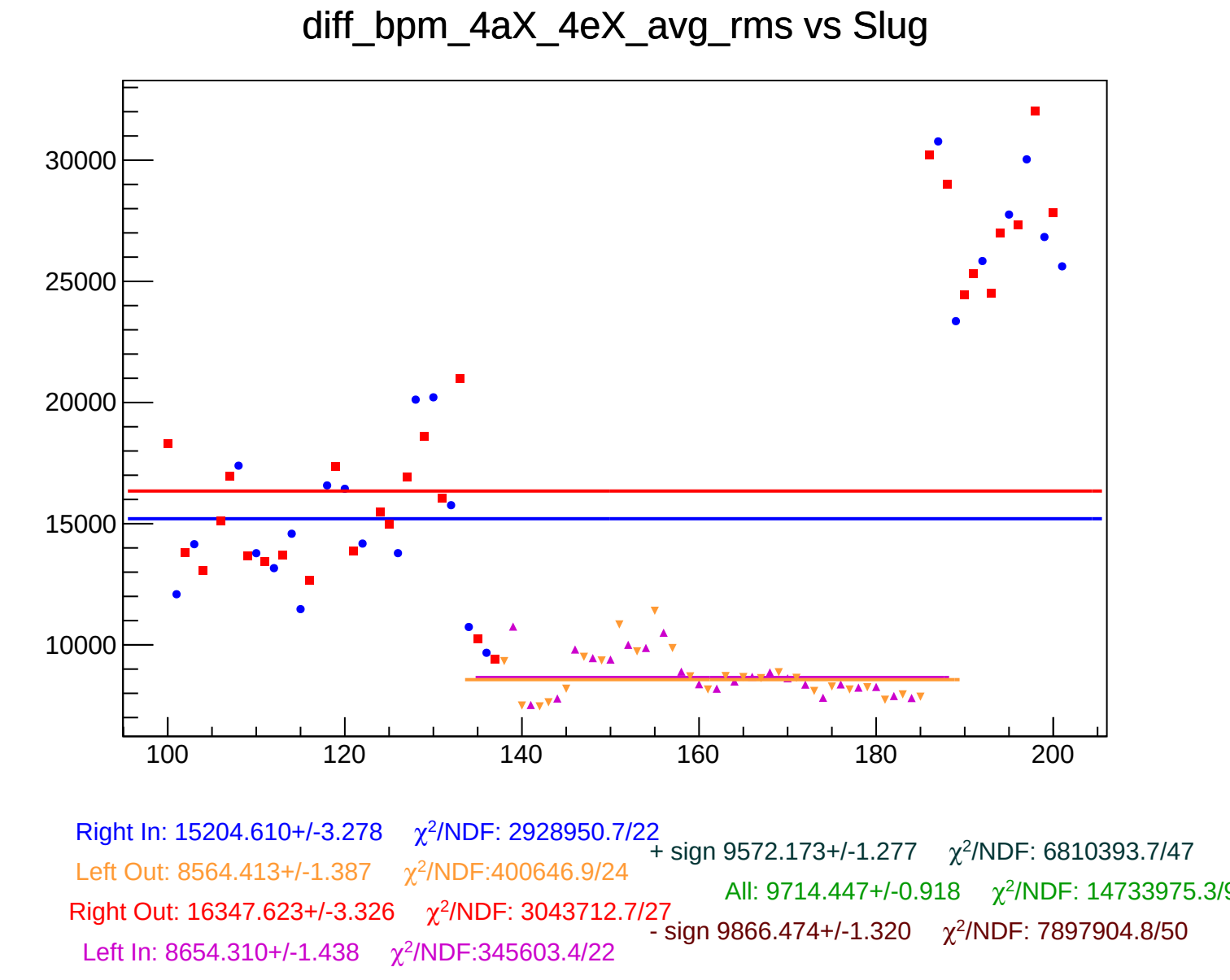
Right Out: -12.088+/-4.703 χ^2/NDF: 19.6/27

Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

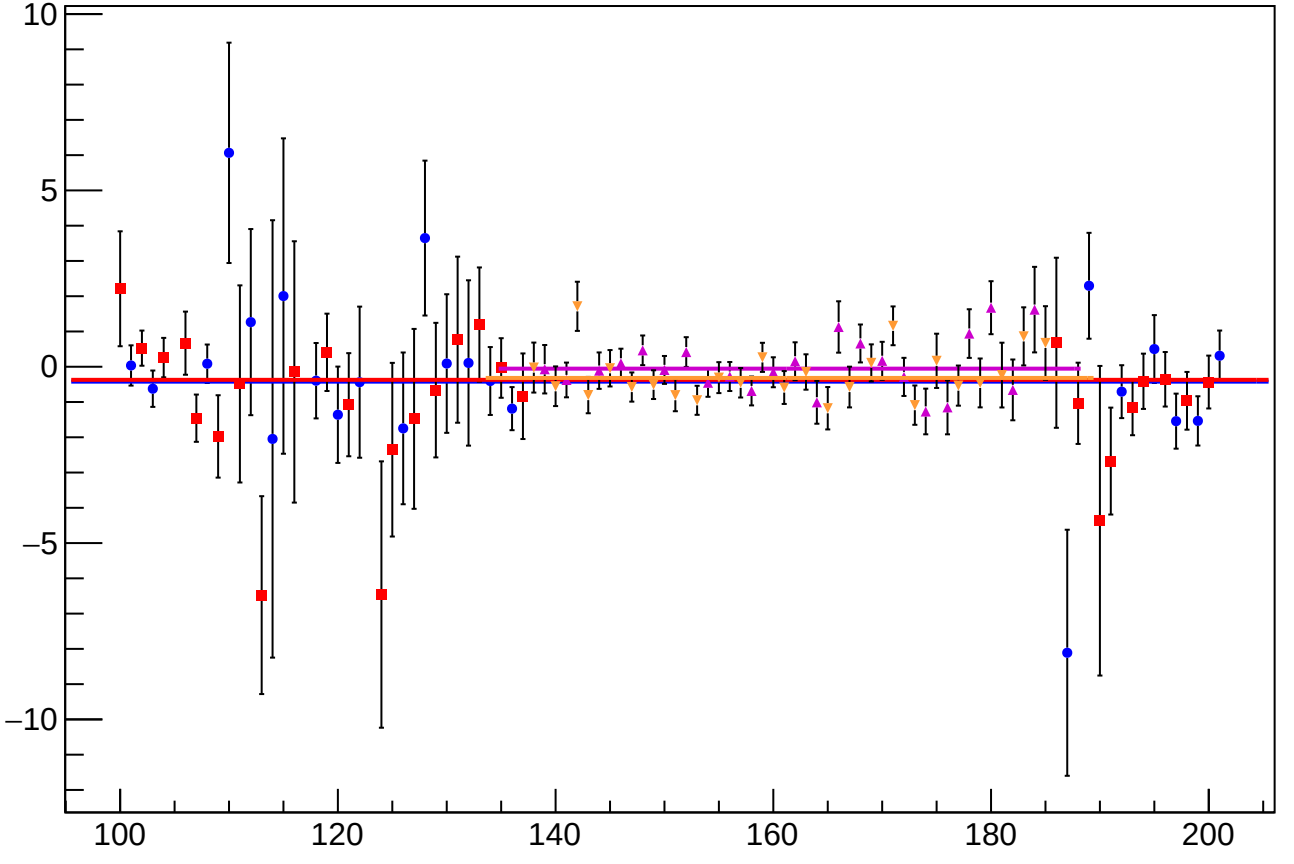
+ sign -9.134+/-1.806 χ^2/NDF: 87.8/47

All: -5.954+/-1.298 χ^2/NDF: 148.0/98

- sign -2.555+/-1.867 χ^2/NDF: 53.8/50


diff_bpm_4aX_4eX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15204.610+/-3.278 χ²/NDF: 2928950.7/22
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 16347.623+/-3.326 χ²/NDF: 3043712.7/27
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
+ sign 9572.173+/-1.277 χ²/NDF: 6810393.7/47
All: 9714.447+/-0.918 χ²/NDF: 14733975.3/9
- sign 9866.474+/-1.320 χ²/NDF: 7897904.8/50

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

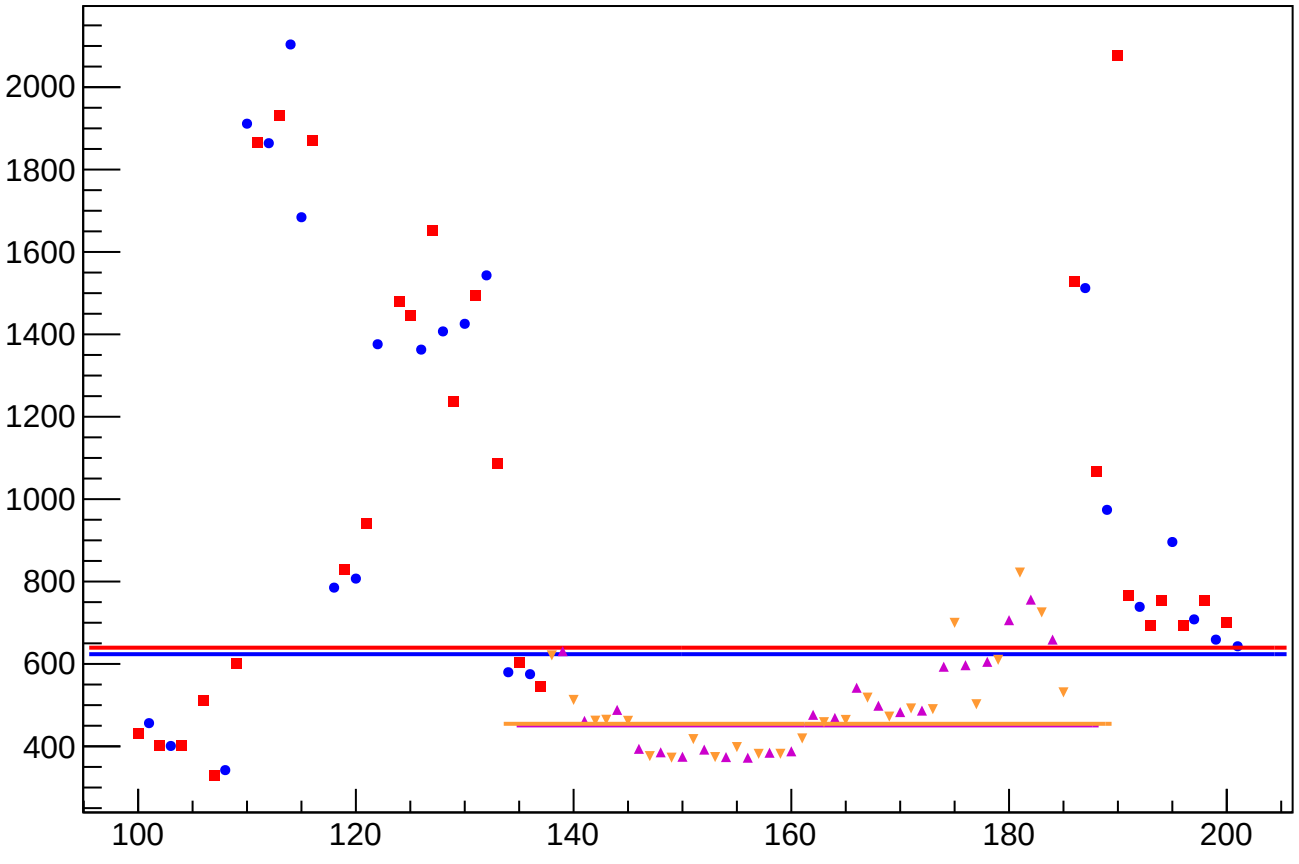
Right Out: -0.371+/-0.195 χ^2/NDF: 28.5/27

Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.341+/-0.093 χ^2/NDF: 60.1/47

All: -0.236+/-0.066 χ^2/NDF: 123.0/98

- sign -0.129+/-0.095 χ^2/NDF: 60.3/50



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: 639.465+/-0.138 χ^2/NDF: 4644207.6/27

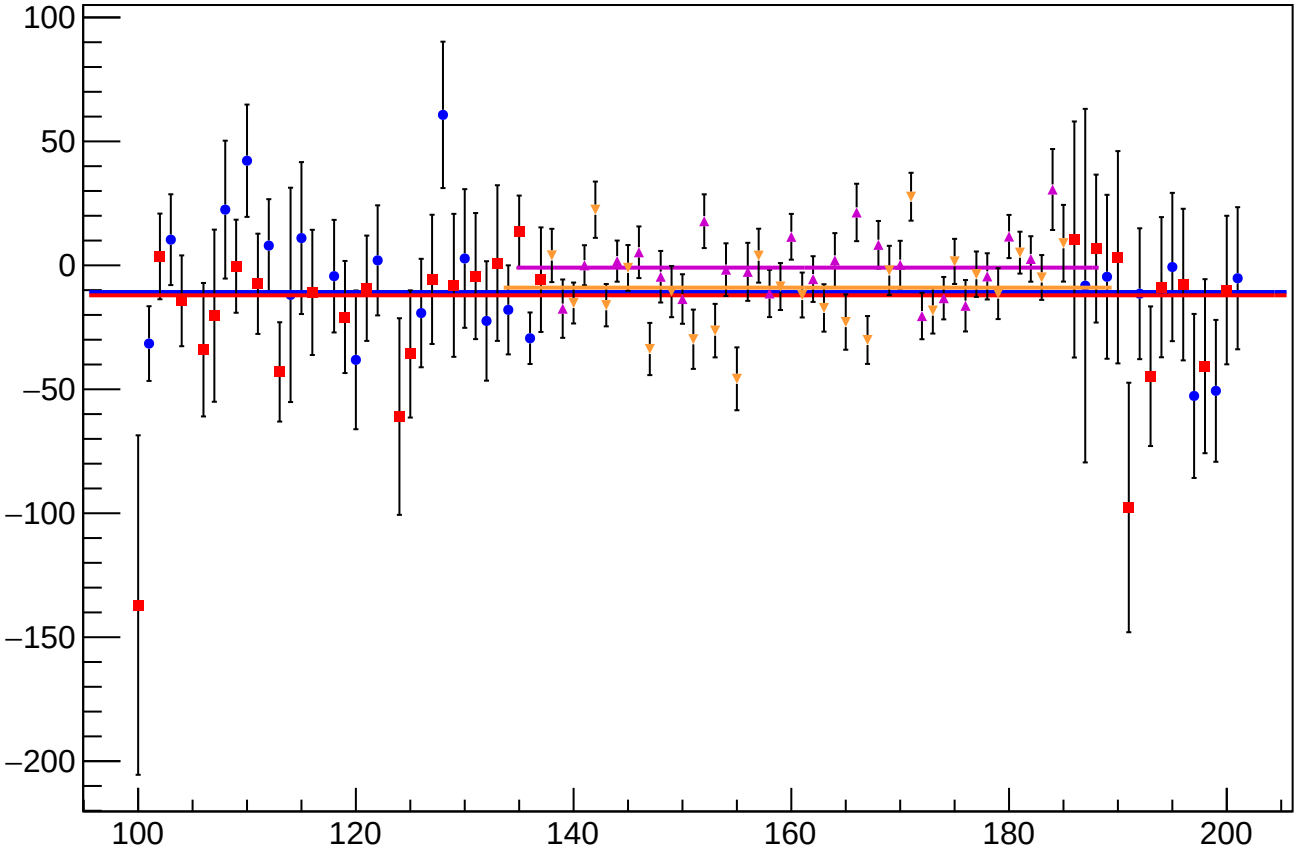
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 492.672+/-0.066 χ^2/NDF: 6633849.7/47

All: 493.910+/-0.047 χ^2/NDF: 14183671.9/98

- sign 495.181+/-0.067 χ^2/NDF: 7549108.9/50

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

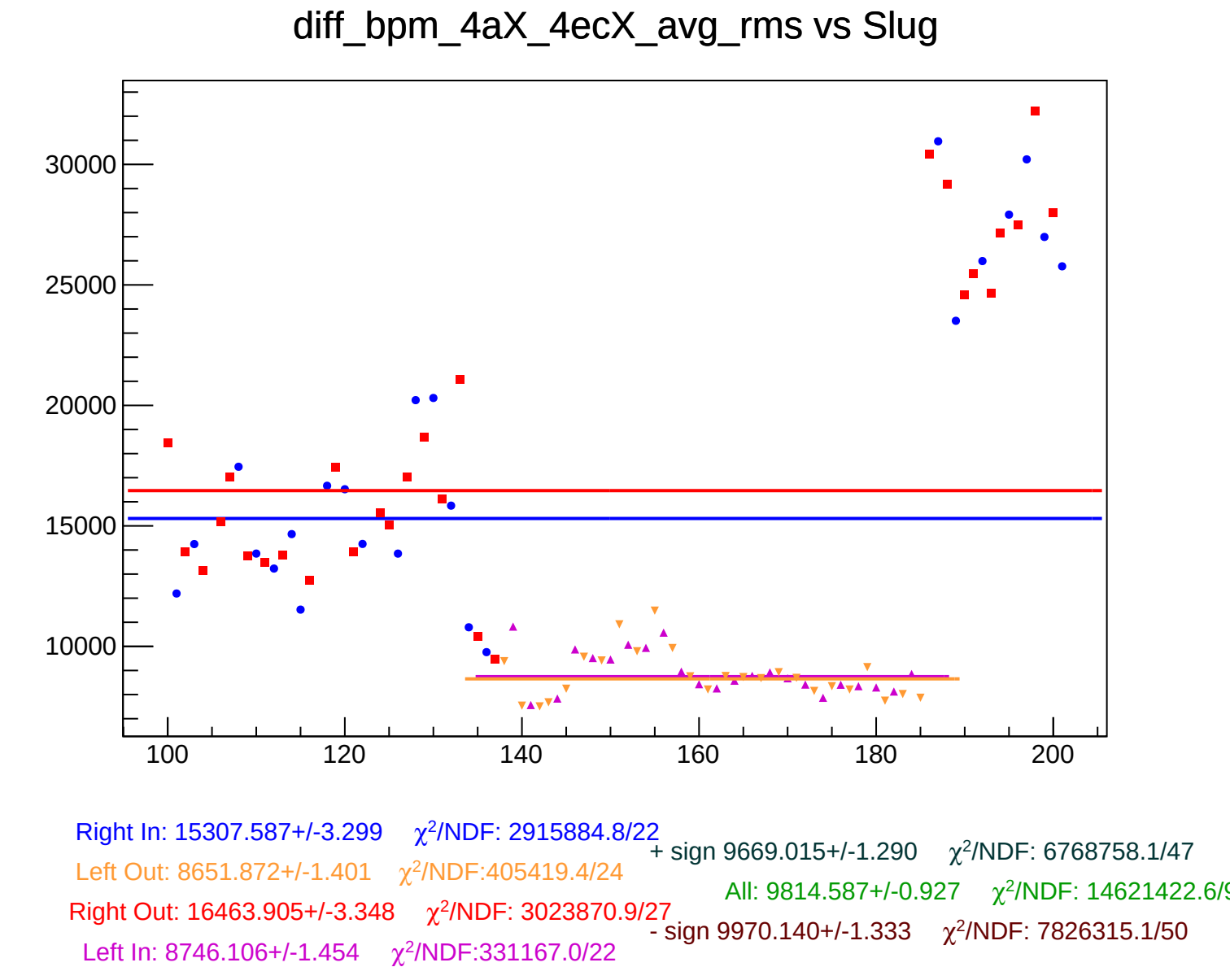
Right Out: -12.088+/-4.735 χ^2/NDF: 19.5/27

Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

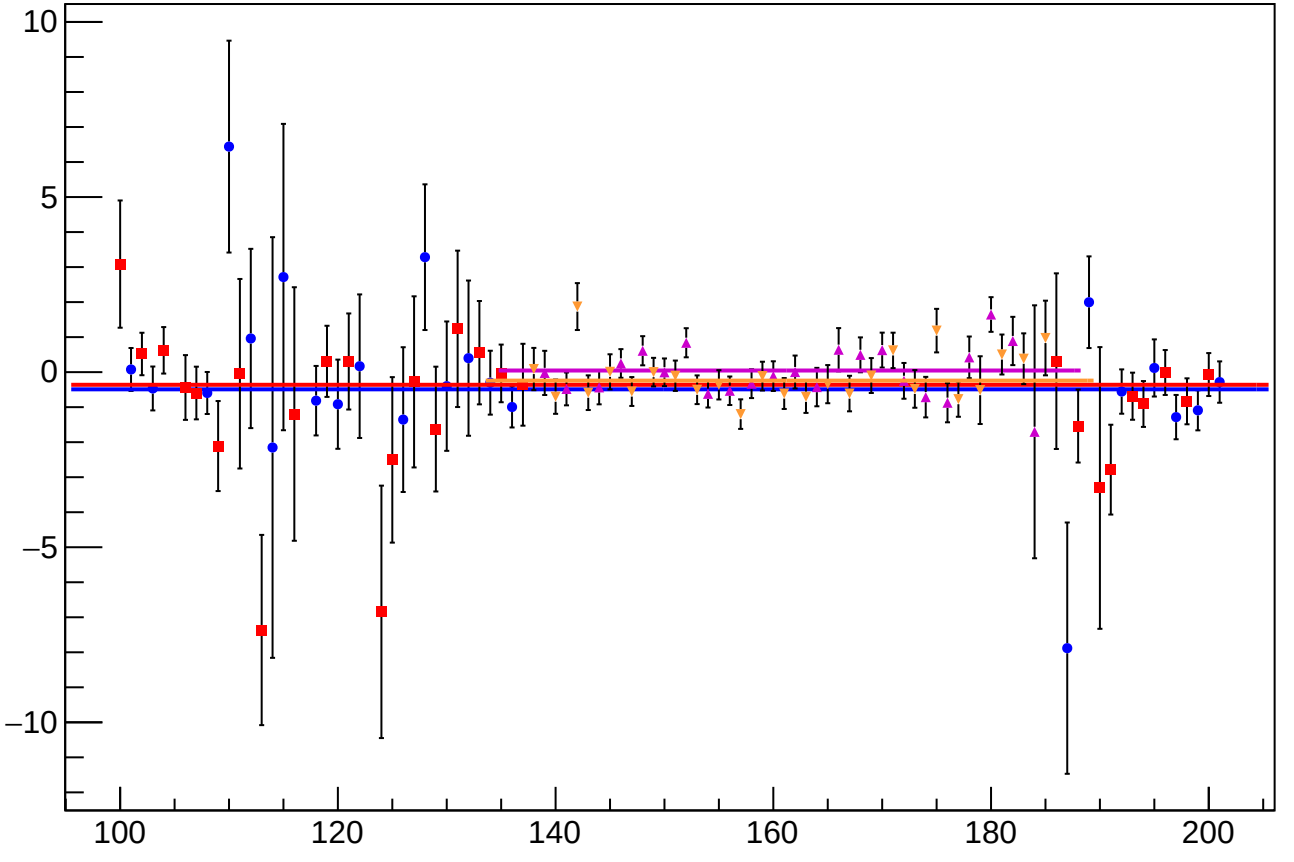
+ sign -9.271+/-1.824 χ^2/NDF: 88.0/47

All: -6.092+/-1.311 χ^2/NDF: 148.2/98

- sign -2.696+/-1.886 χ^2/NDF: 54.0/50


diff_bpm_4aX_4ecX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15307.587+/-3.299 χ²/NDF: 2915884.8/22
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 16463.905+/-3.348 χ²/NDF: 3023870.9/27
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
+ sign 9669.015+/-1.290 χ²/NDF: 6768758.1/47
All: 9814.587+/-0.927 χ²/NDF: 14621422.6/9
- sign 9970.140+/-1.333 χ²/NDF: 7826315.1/50

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: -0.361+/-0.189 χ^2/NDF: 30.3/27

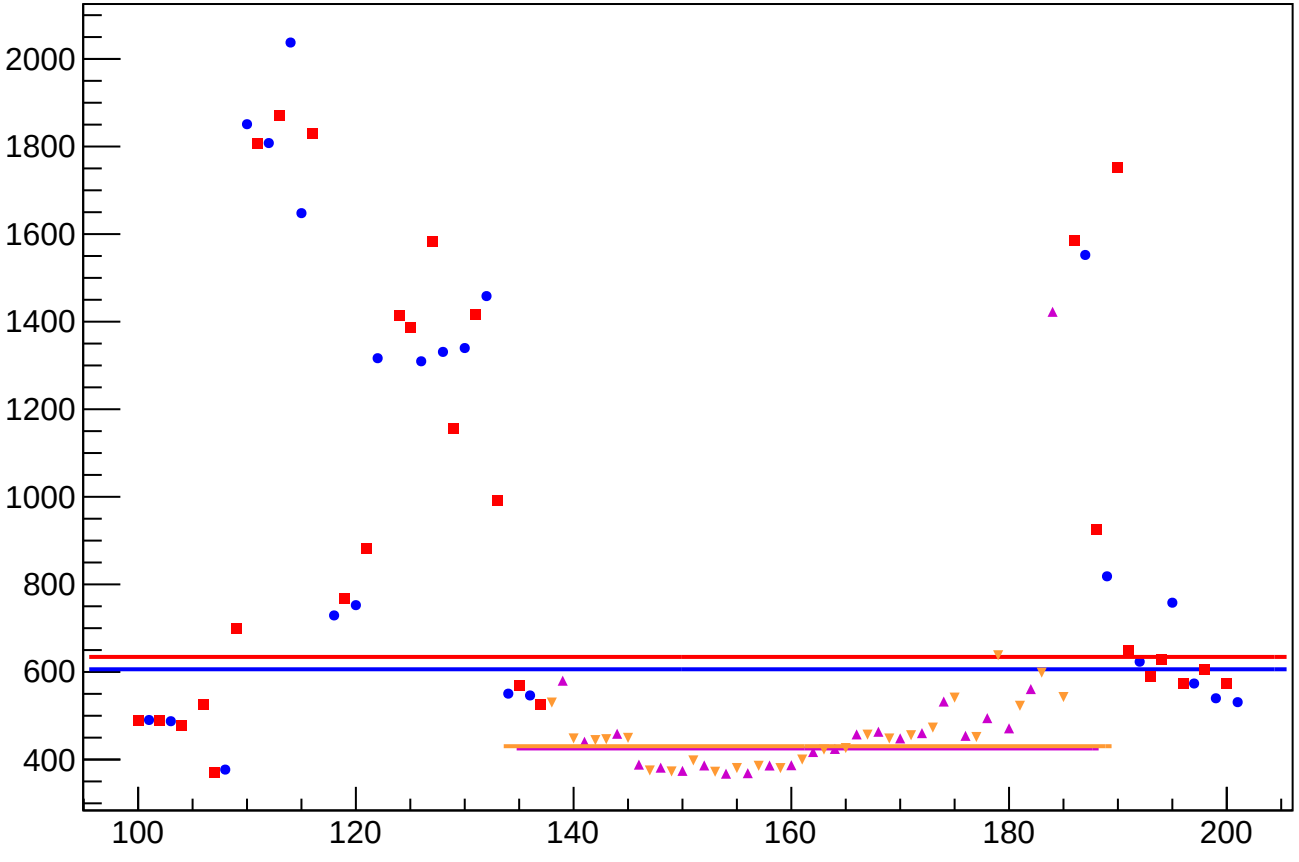
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.297+/-0.088 χ^2/NDF: 58.7/47

All: -0.173+/-0.063 χ^2/NDF: 131.7/98

- sign -0.045+/-0.089 χ^2/NDF: 69.0/50

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

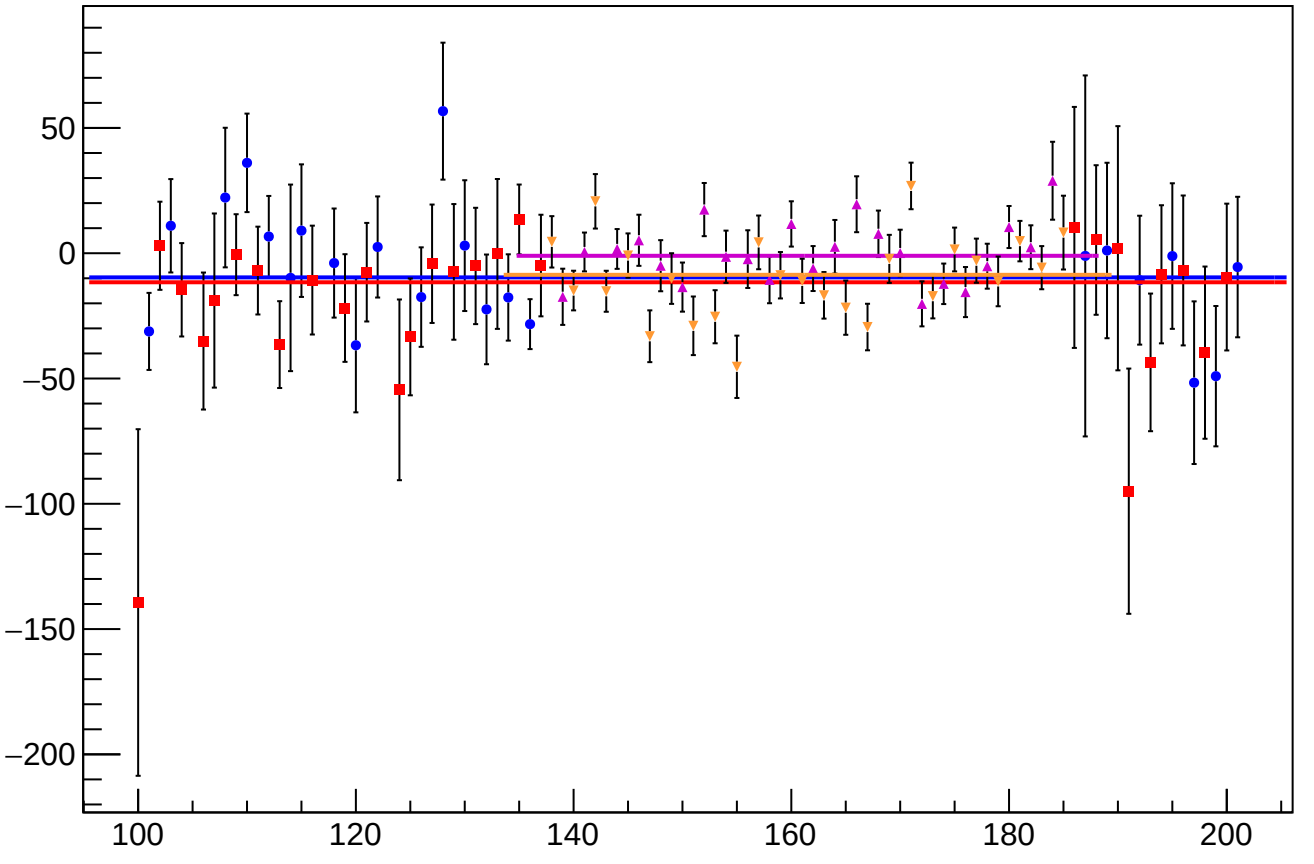
Right Out: 634.351+/-0.134 χ^2/NDF: 3438358.6/27

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 469.395+/-0.063 χ^2/NDF: 5191176.3/47

All: 470.766+/-0.044 χ^2/NDF: 11245900.5/98

- sign 472.171+/-0.063 χ^2/NDF: 6053750.2/50



Right In: -9.642+/-4.429 χ^2/NDF: 27.1/22

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

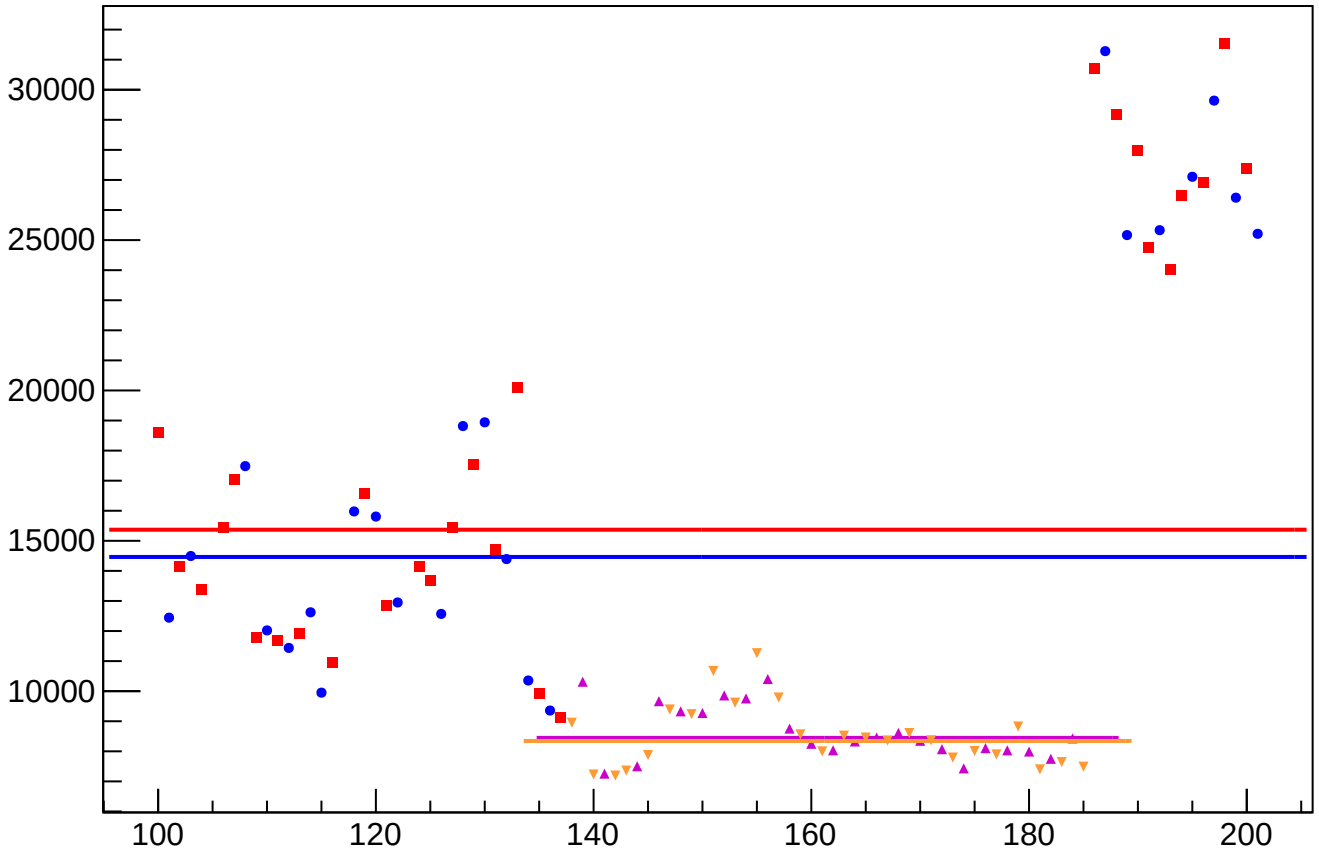
Right Out: -11.593+/-4.460 χ^2/NDF: 19.3/27

Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.783+/-1.756 χ^2/NDF: 88.8/47

All: -5.878+/-1.262 χ^2/NDF: 148.2/98

- sign -2.776+/-1.815 χ^2/NDF: 53.8/50



Right In: 14463.636+/-3.132 χ^2/NDF: 3141213.8/22

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

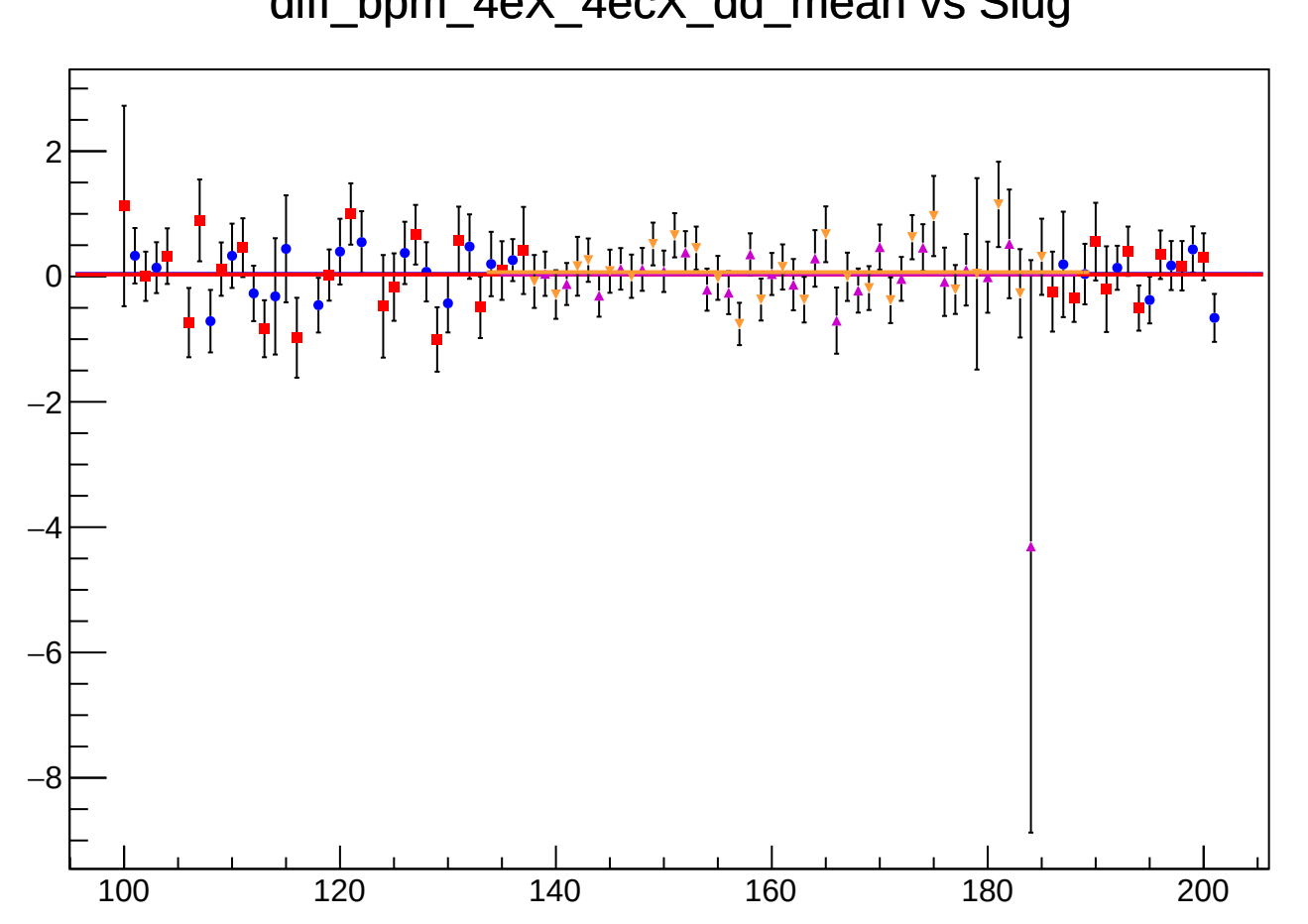
Right Out: 15369.482+/-3.154 χ^2/NDF: 3439257.5/27

Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9306.552+/-1.242 χ^2/NDF: 6828347.7/47

All: 9444.988+/-0.892 χ^2/NDF: 14695939.0/9

- sign 9592.808+/-1.283 χ^2/NDF: 7841894.0/50



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: 0.032+/-0.091 χ^2/NDF: 30.8/27

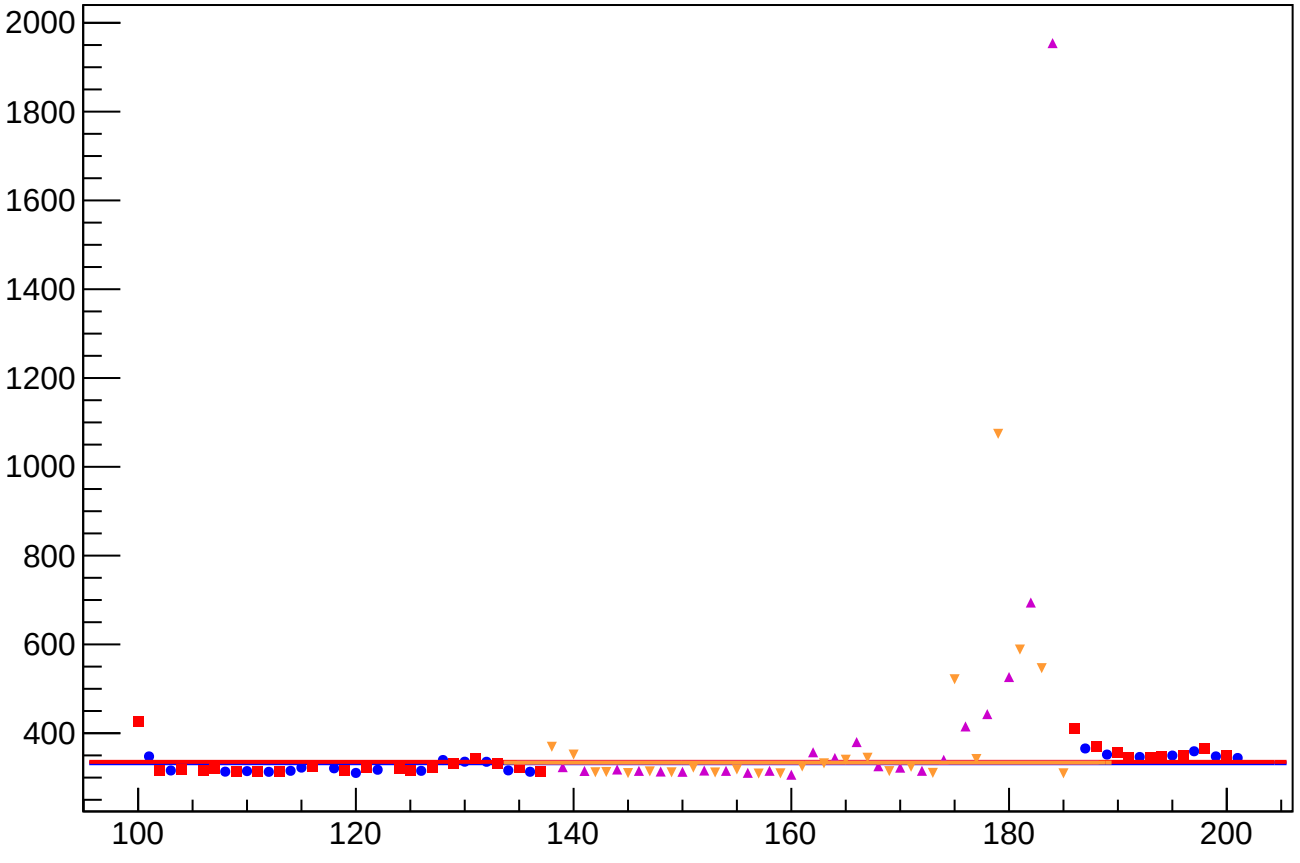
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.058+/-0.061 χ^2/NDF: 43.7/47

All: 0.046+/-0.043 χ^2/NDF: 86.2/98

- sign 0.035+/-0.060 χ^2/NDF: 42.4/50

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

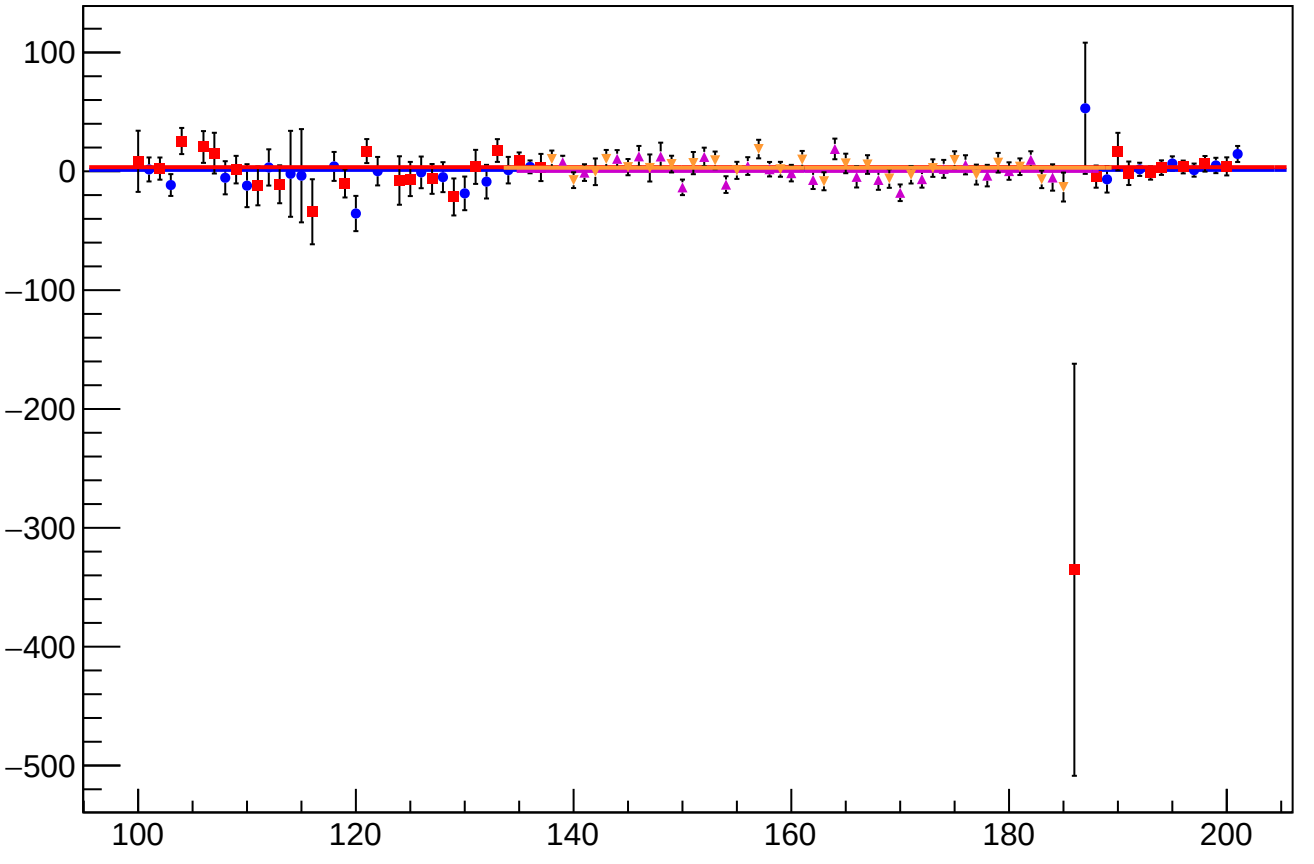
Right Out: 335.483+/-0.064 χ^2/NDF: 114071.7/27

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 333.211+/-0.043 χ^2/NDF: 1280186.5/47

All: 333.931+/-0.030 χ^2/NDF: 2446107.3/98

- sign 334.644+/-0.043 χ^2/NDF: 1165361.5/50



Right In: 1.206+/-1.944 χ^2/NDF: 18.3/22

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

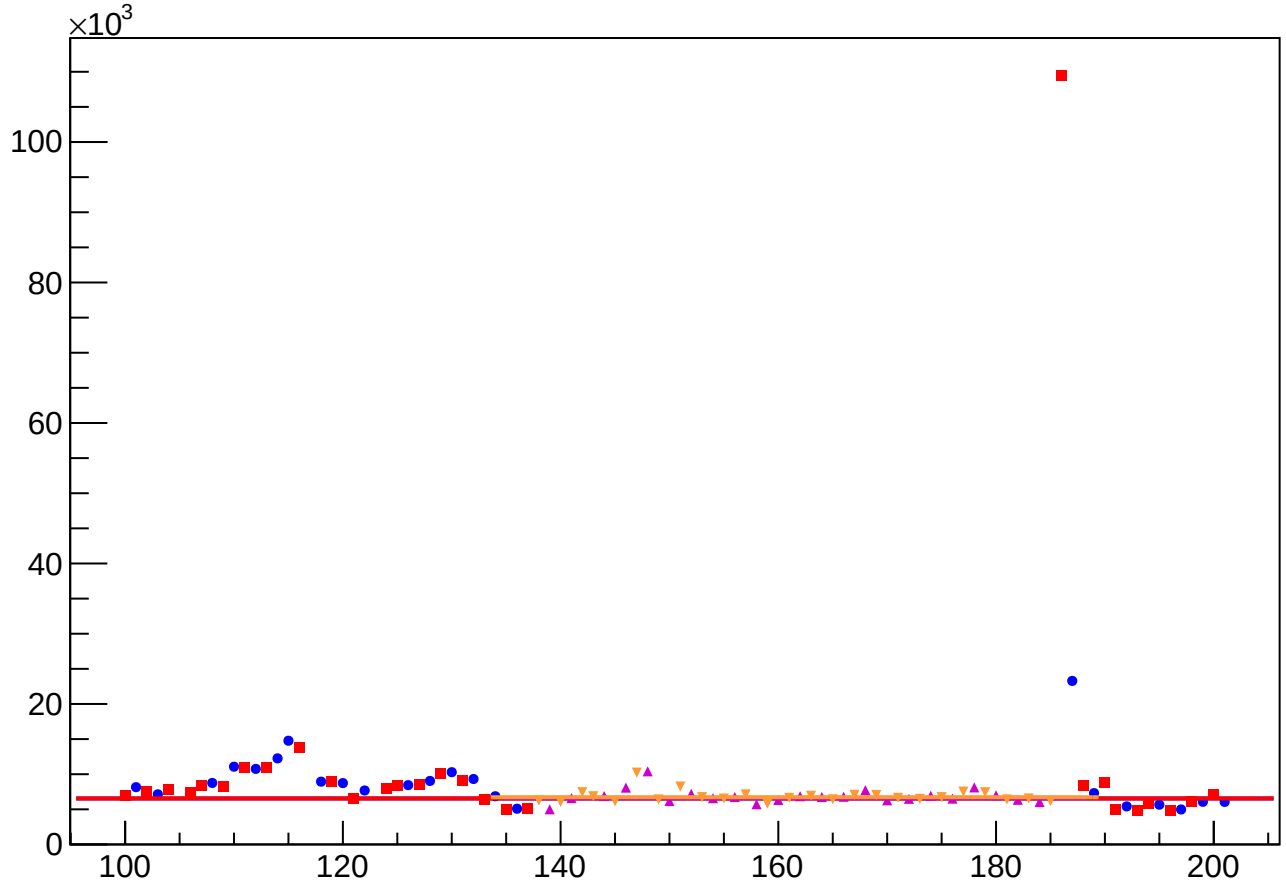
Right Out: 3.488+/-1.875 χ^2/NDF: 26.1/27

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 2.322+/-1.208 χ^2/NDF: 39.1/47

All: 1.981+/-0.852 χ^2/NDF: 100.9/98

- sign 1.643+/-1.203 χ^2/NDF: 61.6/50



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: 6552.579+/-1.326 χ^2/NDF: 2340464.7/27

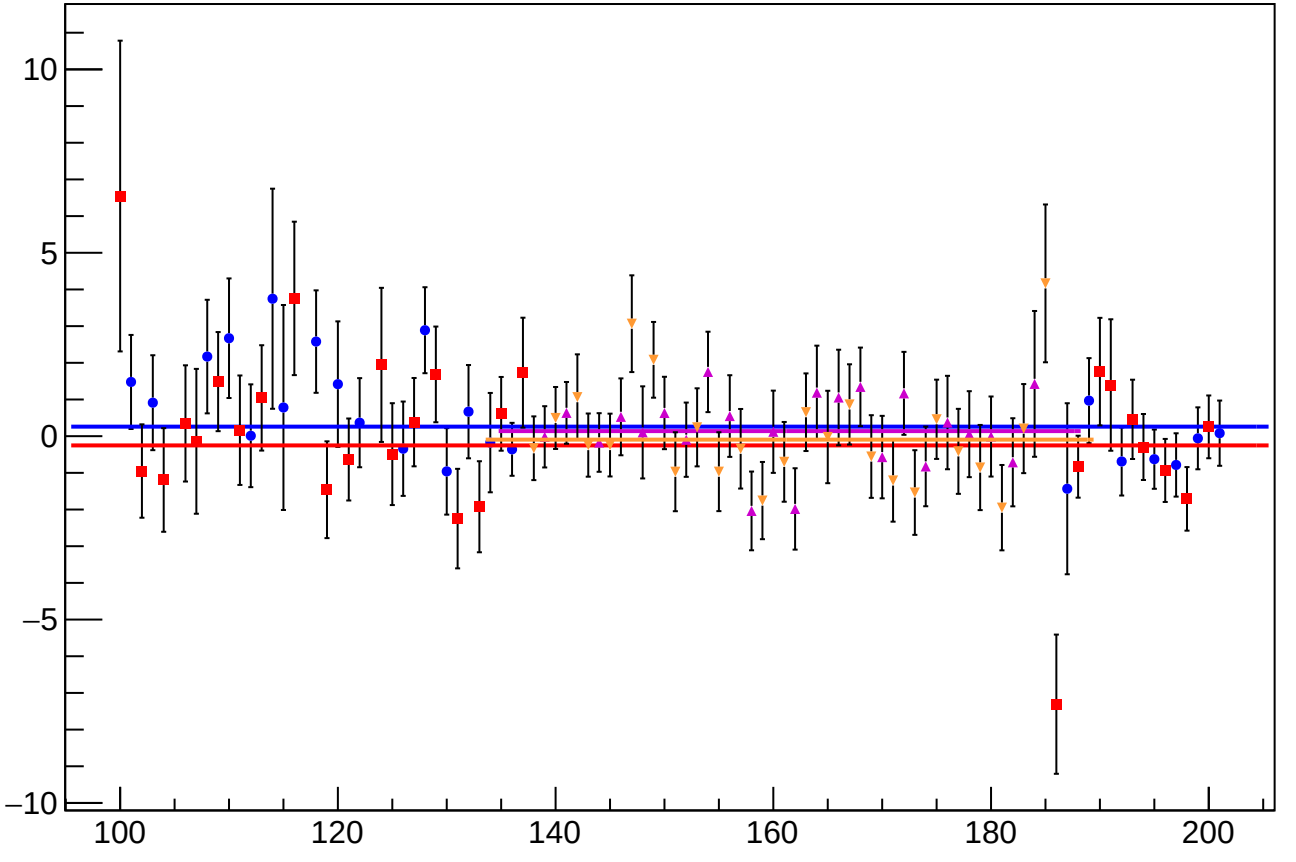
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6653.093+/-0.854 χ^2/NDF: 2061219.0/47

All: 6626.300+/-0.603 χ^2/NDF: 5035284.3/98

- sign 6599.729+/-0.851 χ^2/NDF: 2972105.7/50

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: -0.252+/-0.235 χ^2/NDF: 42.0/27

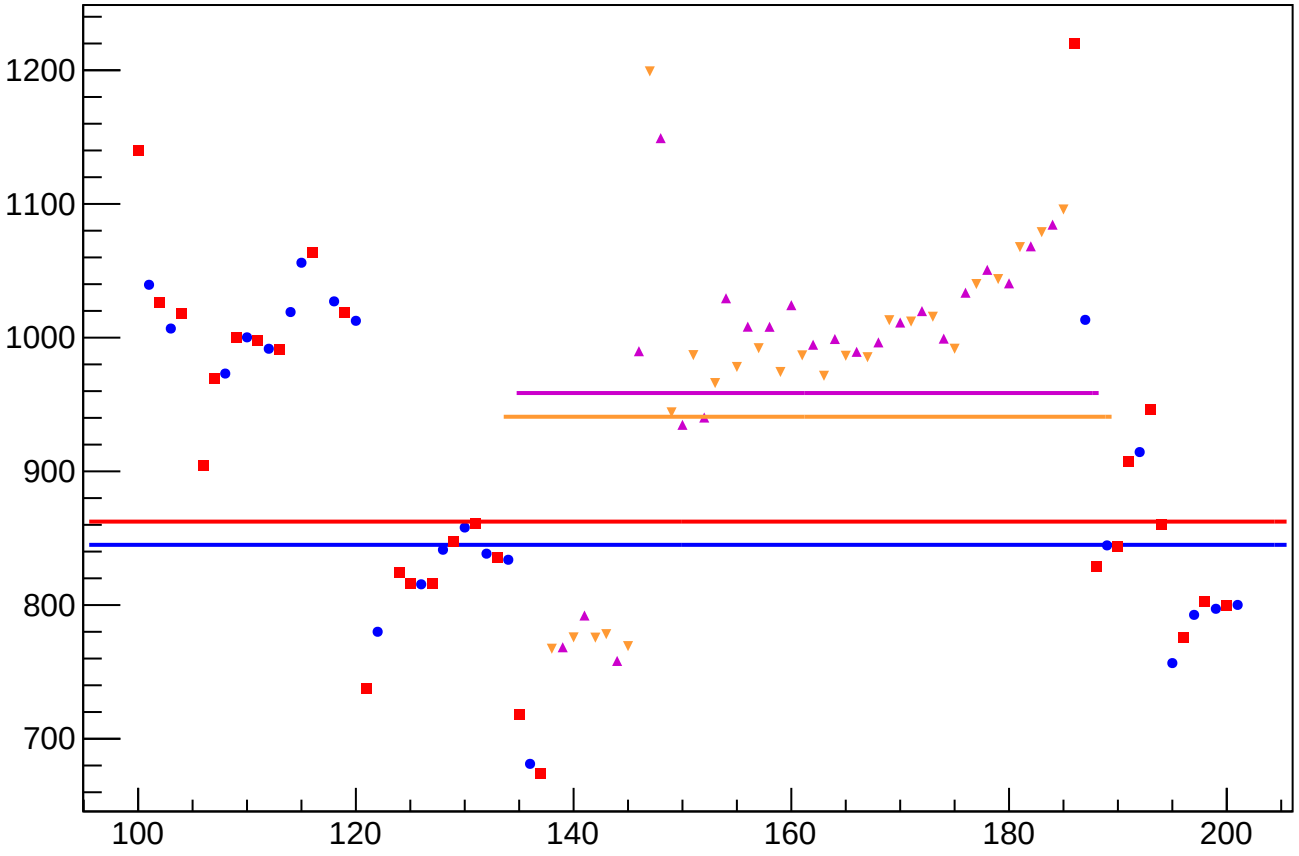
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.062+/-0.161 χ^2/NDF: 50.1/47

All: 0.007+/-0.114 χ^2/NDF: 110.2/98

- sign -0.049+/-0.163 χ^2/NDF: 59.9/50

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: 862.417+/-0.166 χ^2/NDF: 406000.3/27

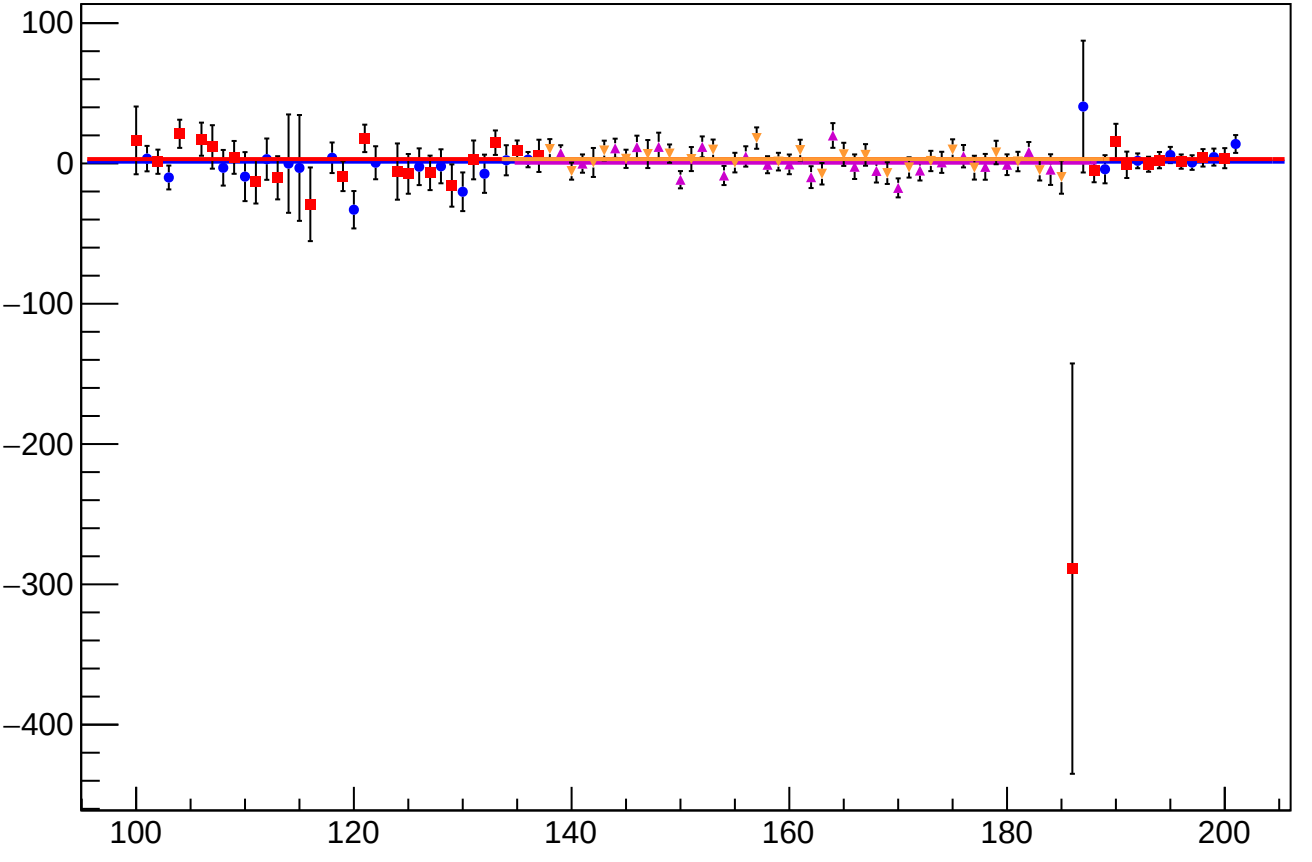
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 898.542+/-0.114 χ^2/NDF: 1120532.5/47

All: 905.424+/-0.081 χ^2/NDF: 2165481.4/98

- sign 912.442+/-0.115 χ^2/NDF: 1037562.6/50

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: 3.109+/-1.773 χ^2/NDF: 24.6/27

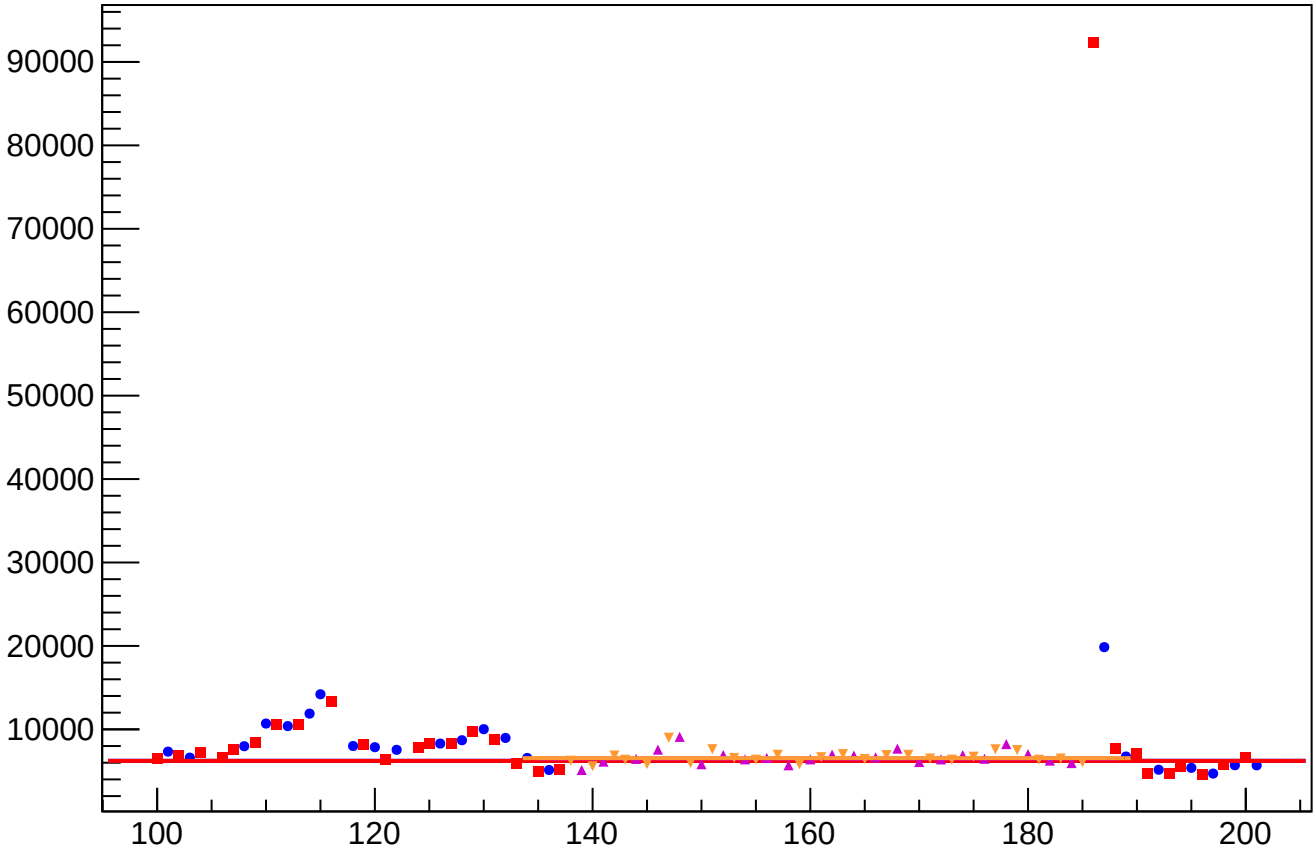
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

\+ sign 2.365+/-1.164 χ^2/NDF: 37.2/47

All: 1.996+/-0.822 χ^2/NDF: 95.2/98

\- sign 1.629+/-1.160 χ^2/NDF: 57.8/50

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: 6219.262+/-1.253 χ^2/NDF: 2268483.0/27

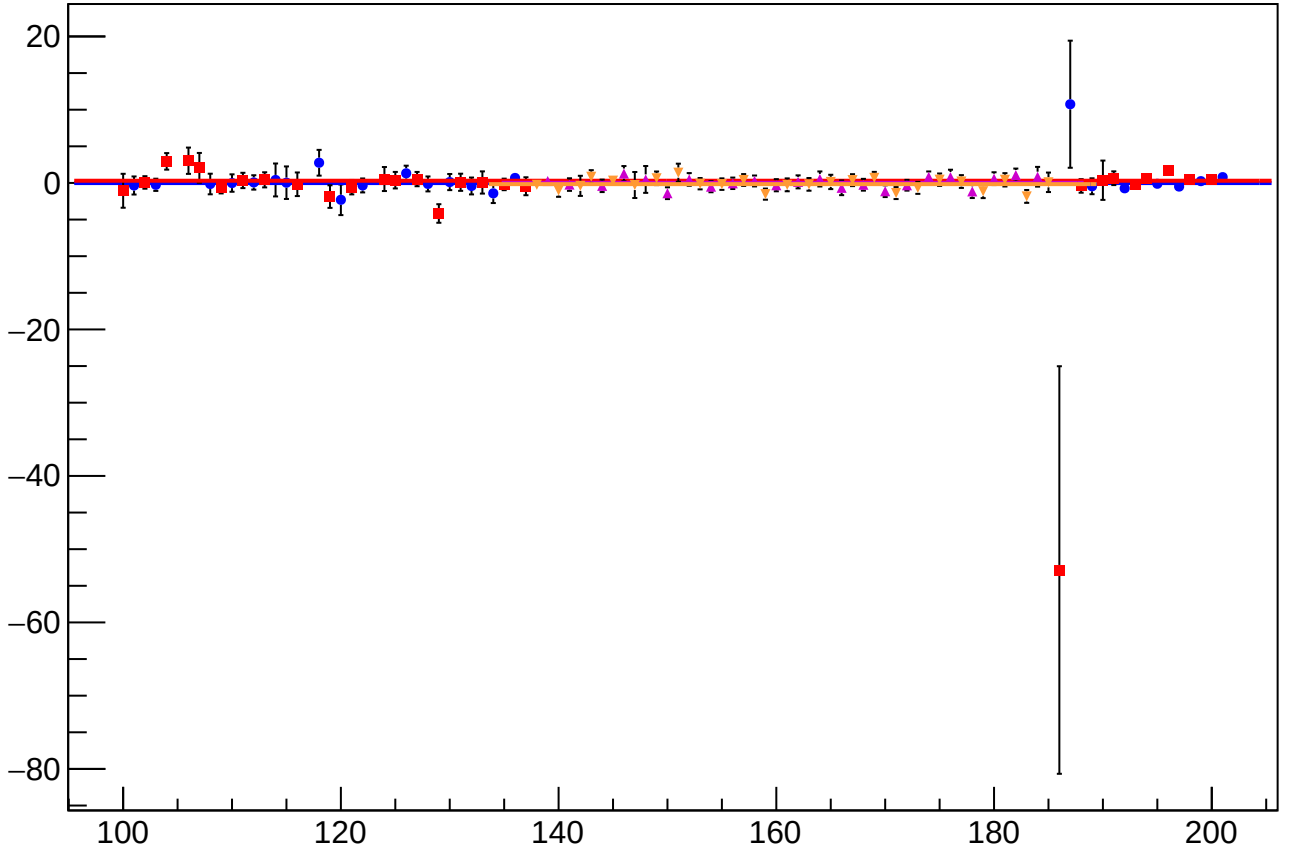
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6421.806+/-0.823 χ^2/NDF: 1962318.7/47

All: 6402.139+/-0.581 χ^2/NDF: 4777148.9/98

- sign 6382.599+/-0.820 χ^2/NDF: 2813692.2/50

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: 0.302+/-0.177 χ^2/NDF: 37.8/27

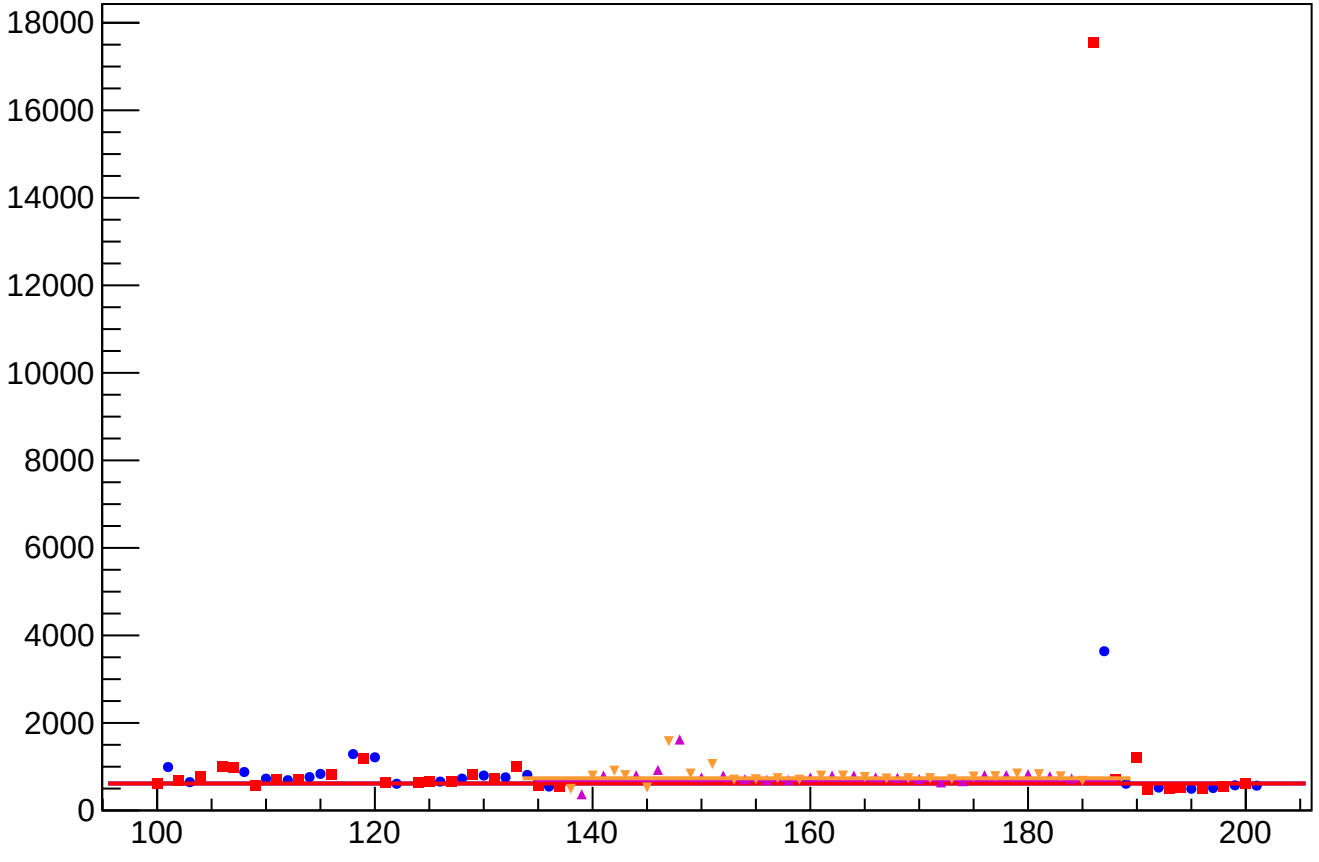
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.095+/-0.126 χ^2/NDF: 33.7/47

All: 0.032+/-0.088 χ^2/NDF: 90.1/98

- sign 0.153+/-0.122 χ^2/NDF: 54.4/50

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: 615.748+/-0.125 χ^2/NDF: 1936440.8/27

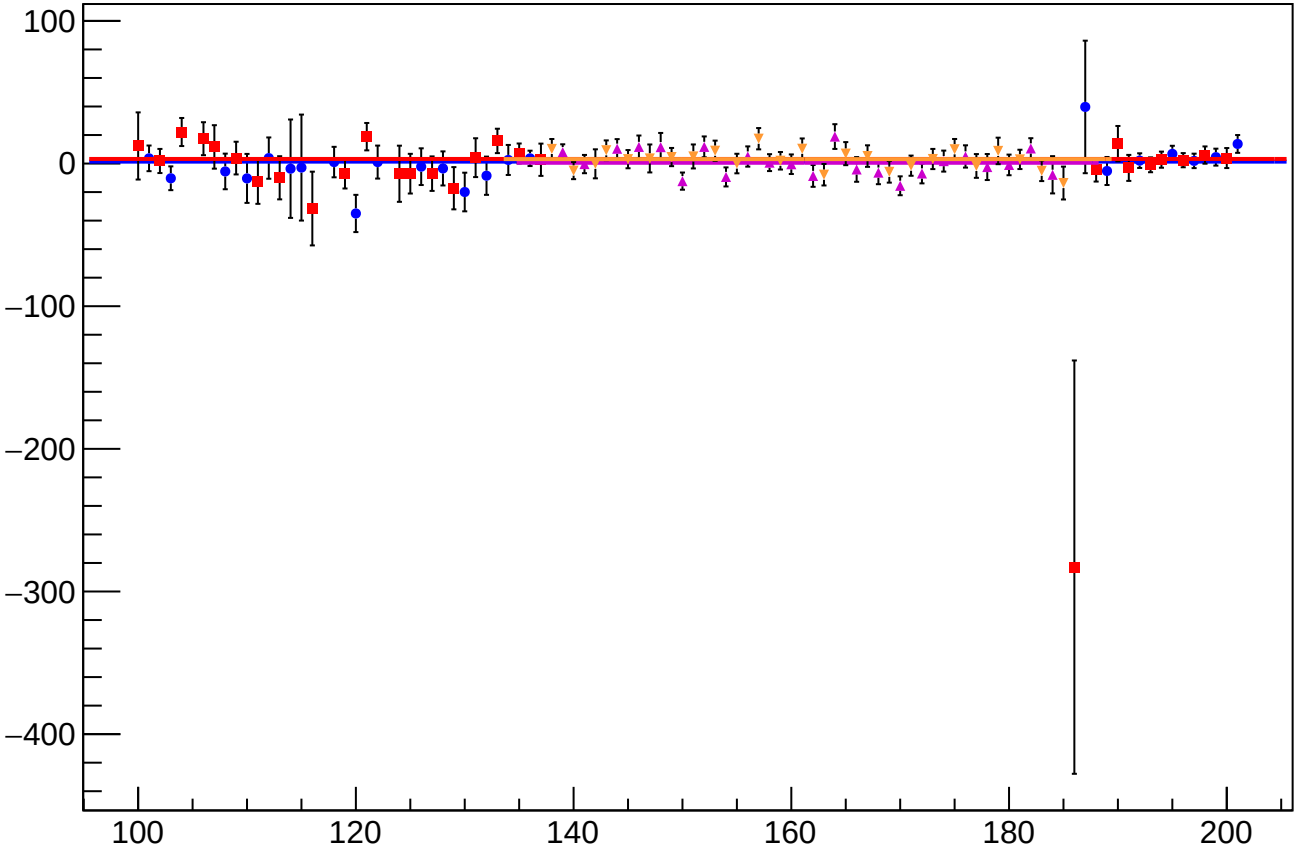
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 679.848+/-0.089 χ^2/NDF: 3228141.0/47

All: 668.037+/-0.062 χ^2/NDF: 7628903.6/98

- sign 656.825+/-0.087 χ^2/NDF: 4366288.9/50

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

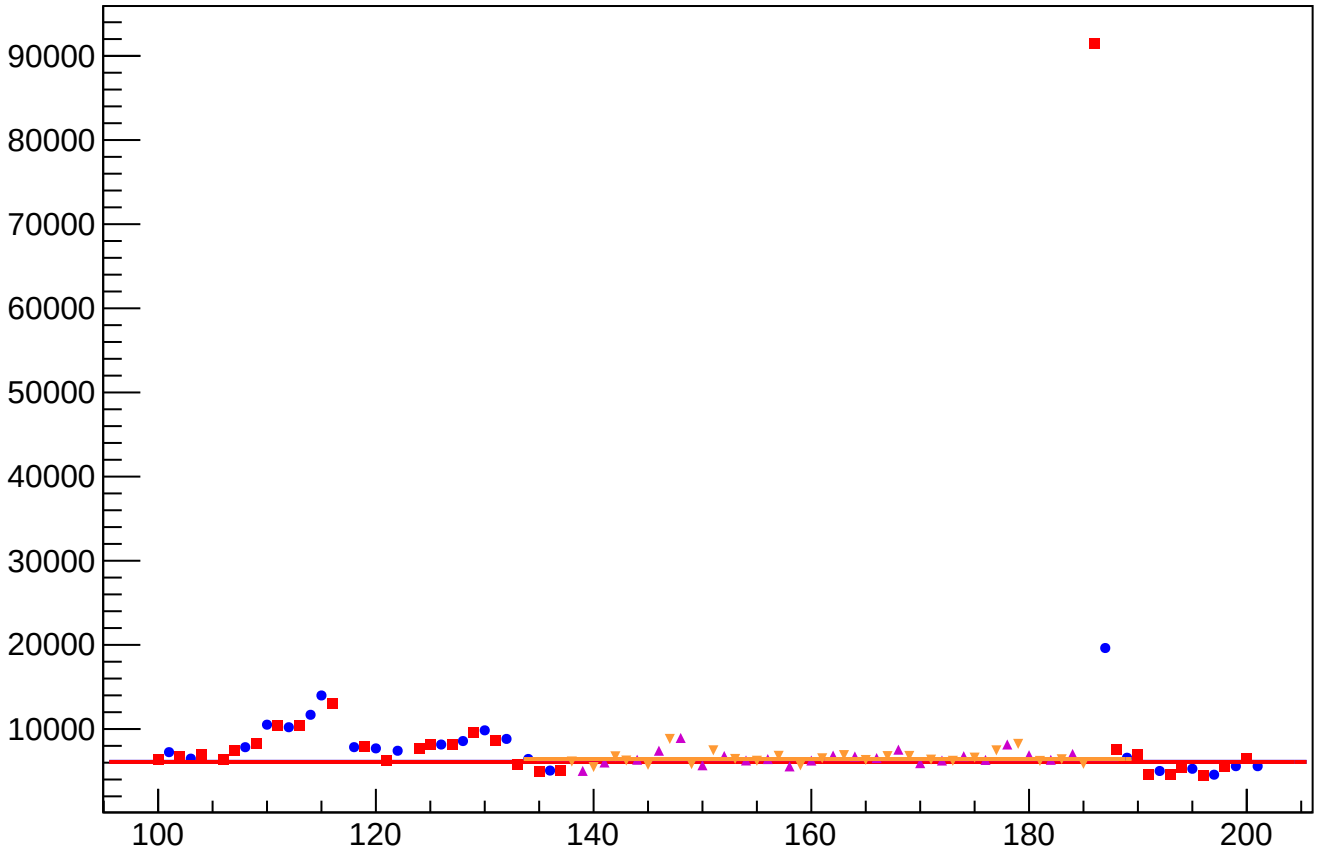
Right Out: 3.228+/-1.736 χ^2/NDF: 25.7/27

Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

\+ sign 2.408+/-1.144 χ^2/NDF: 39.7/47

All: 2.056+/-0.808 χ^2/NDF: 100.5/98

\- sign 1.705+/-1.140 χ^2/NDF: 60.7/50



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: 6085.911+/-1.228 χ^2/NDF: 2290224.1/27

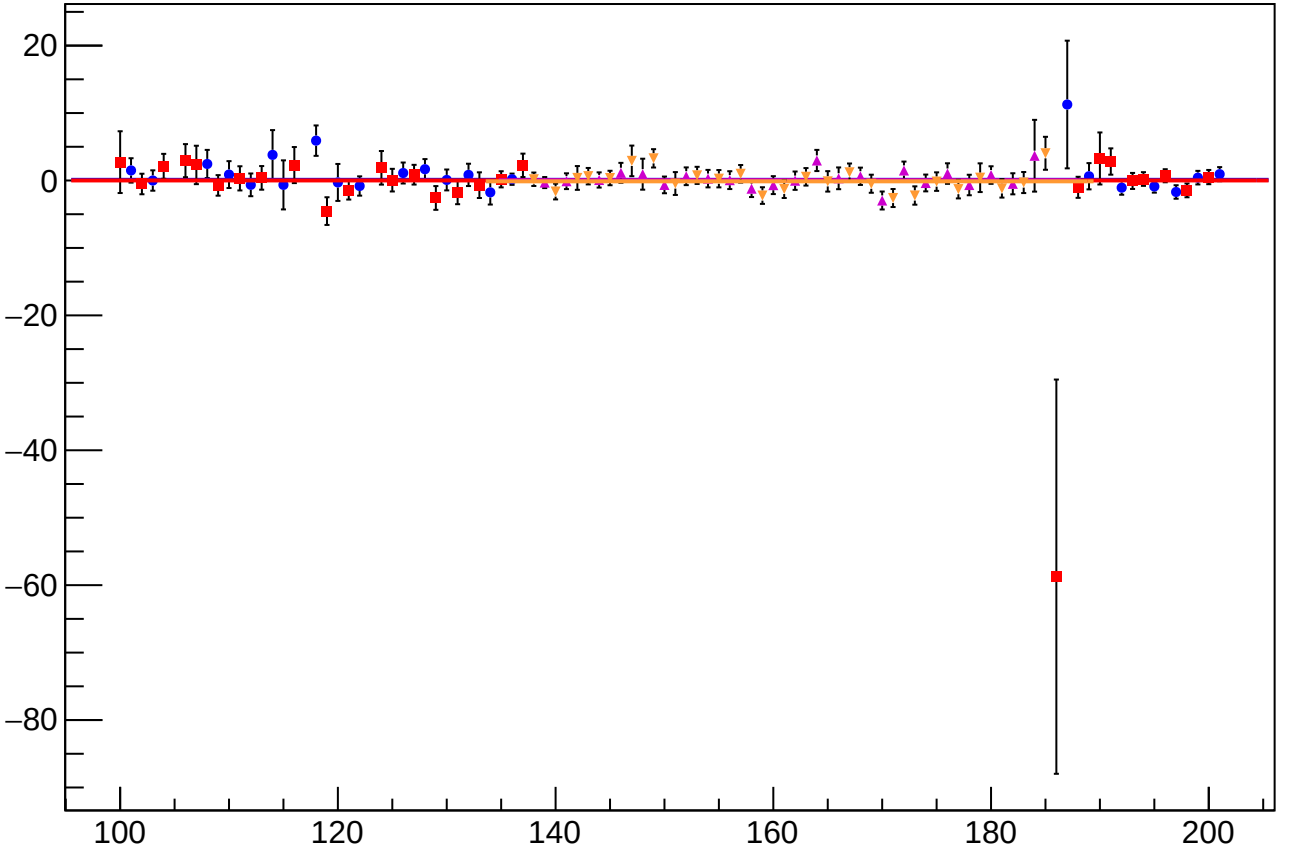
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6301.454+/-0.809 χ^2/NDF: 2046279.0/47

All: 6284.418+/-0.571 χ^2/NDF: 4900925.6/98

- sign 6267.480+/-0.806 χ^2/NDF: 2853761.7/50

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: 0.008+/-0.297 χ^2/NDF: 27.0/27

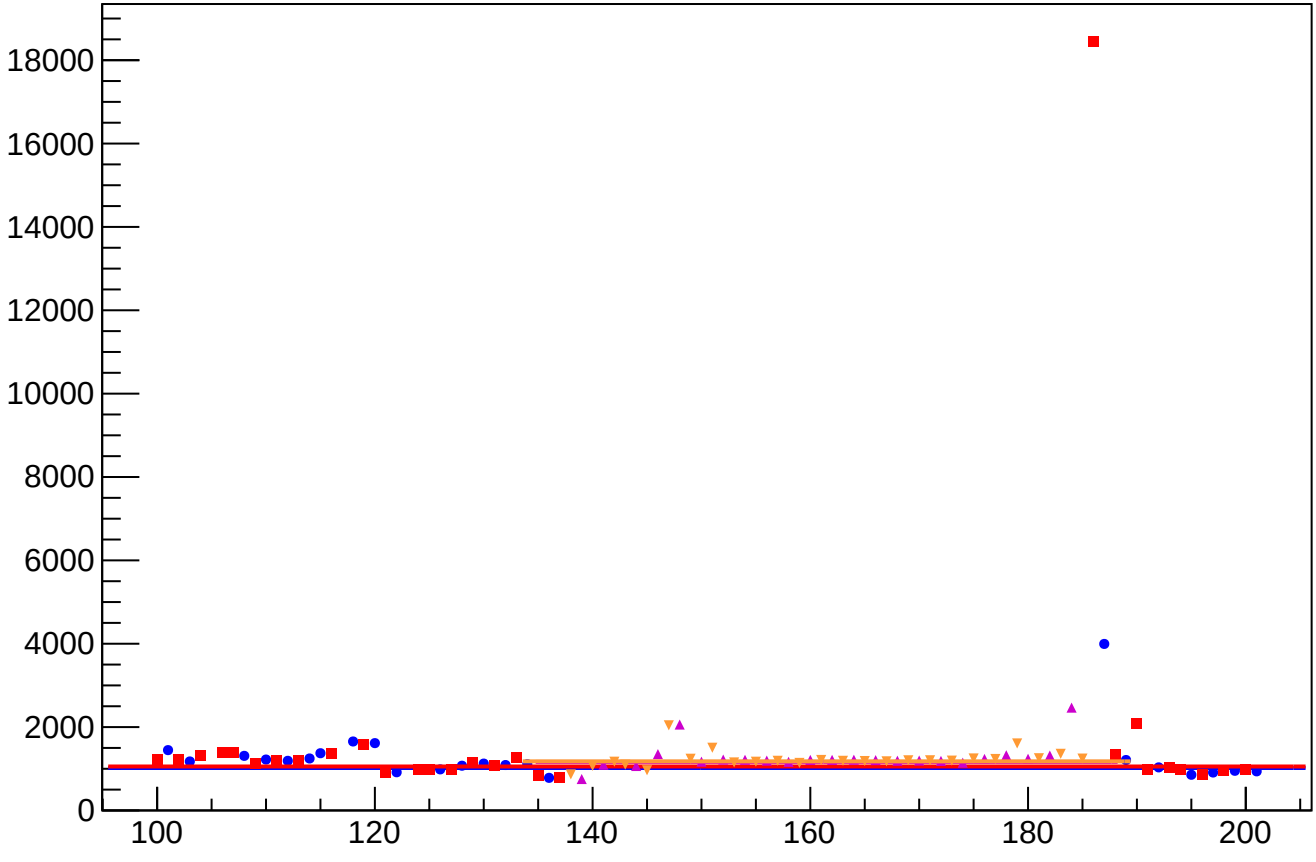
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.022+/-0.202 χ^2/NDF: 48.2/47

All: -0.002+/-0.143 χ^2/NDF: 89.7/98

- sign 0.019+/-0.203 χ^2/NDF: 41.4/50

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

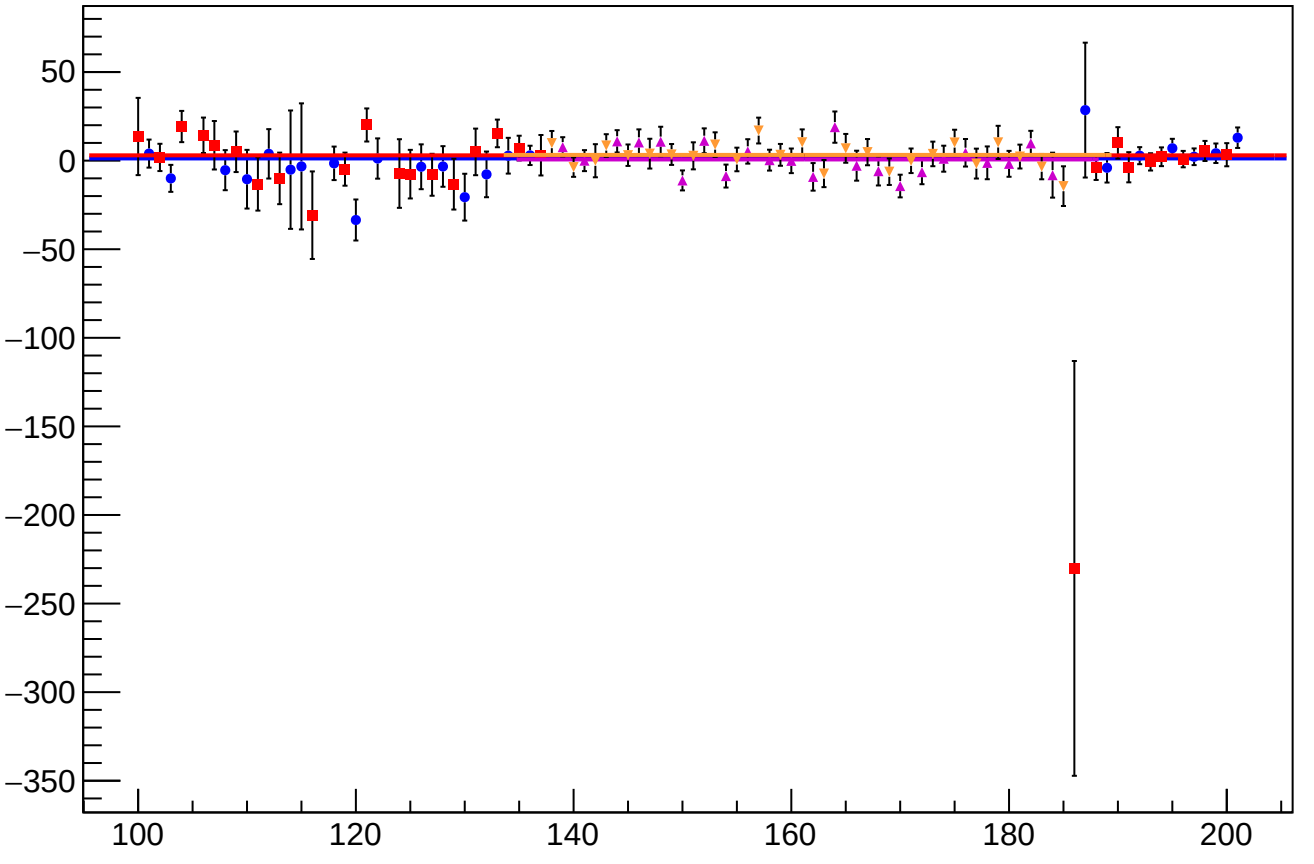
Right Out: 1054.729+/-0.210 χ^2/NDF: 1542643.8/27

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1105.446+/-0.143 χ^2/NDF: 2119523.8/47

All: 1109.100+/-0.101 χ^2/NDF: 4859136.9/98

- sign 1112.810+/-0.144 χ^2/NDF: 2738290.4/50



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: 2.994+/-1.614 χ^2/NDF: 26.0/27

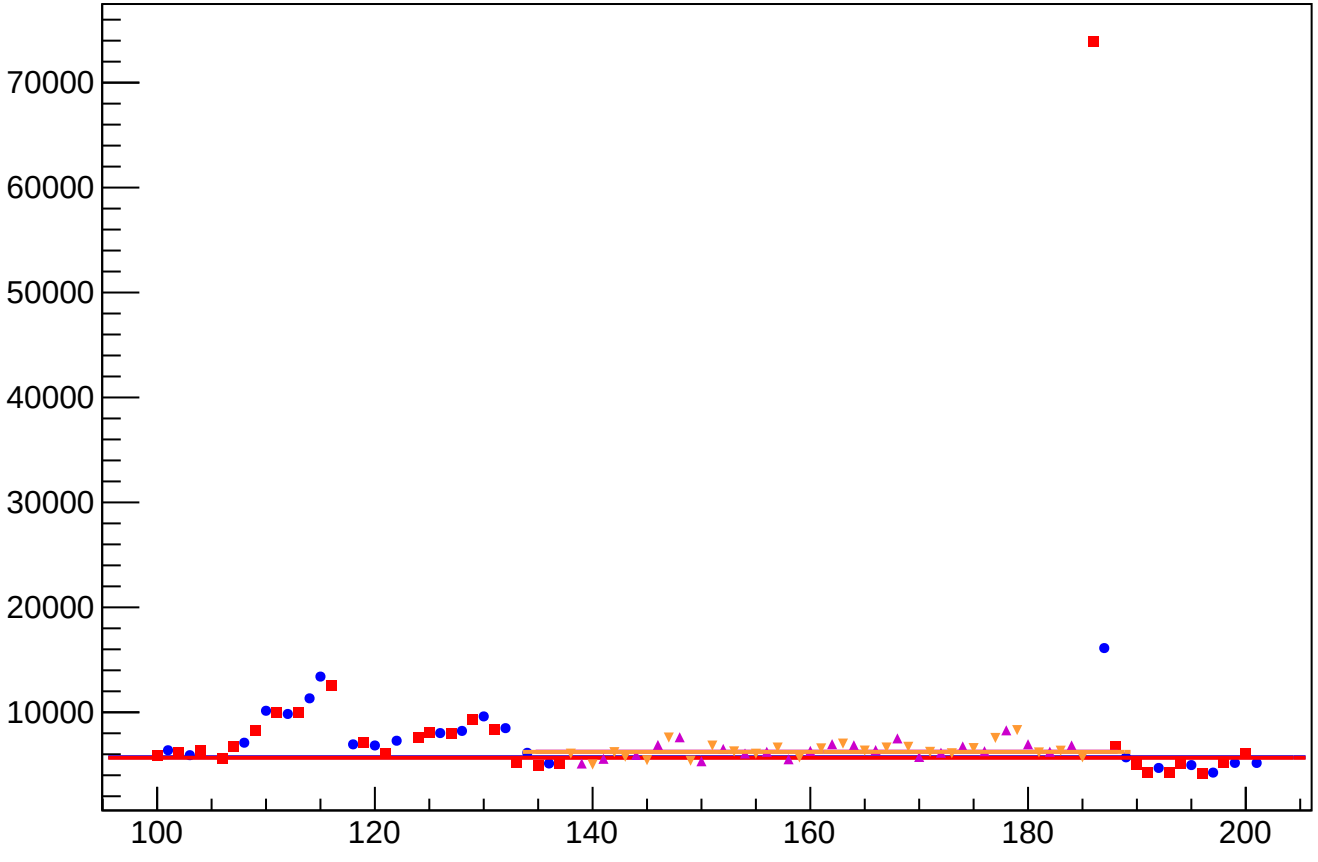
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.406+/-1.093 χ^2/NDF: 41.3/47

All: 2.064+/-0.771 χ^2/NDF: 101.0/98

- sign 1.725+/-1.088 χ^2/NDF: 59.5/50

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: 5667.244+/-1.141 χ^2/NDF: 2307787.7/27

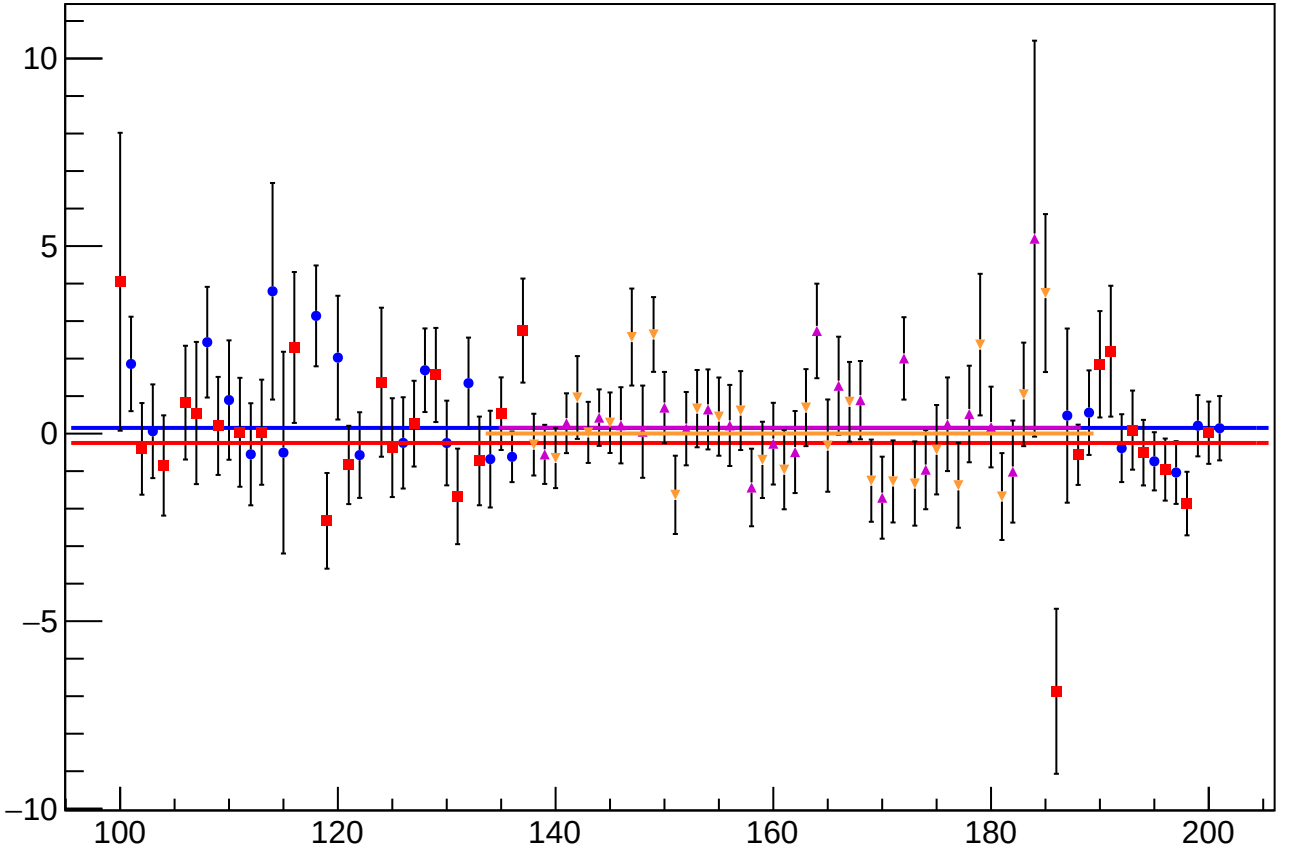
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6017.057+/-0.773 χ^2/NDF: 2144349.4/47

All: 6000.126+/-0.545 χ^2/NDF: 5078699.2/98

- sign 5983.325+/-0.770 χ^2/NDF: 2933392.9/50

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: -0.249+/-0.226 χ^2/NDF: 34.6/27

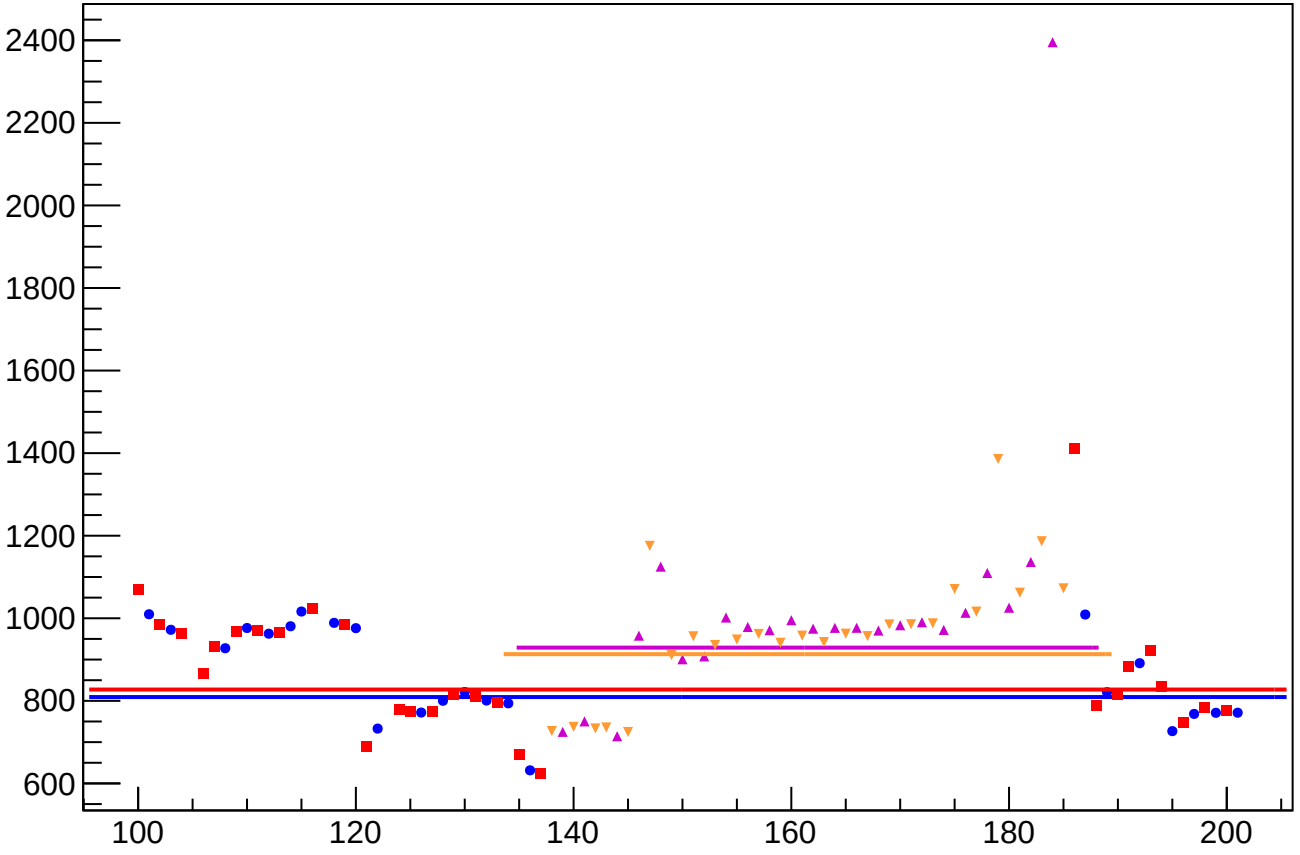
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.071+/-0.157 χ^2/NDF: 53.5/47

All: 0.014+/-0.111 χ^2/NDF: 108.4/98

- sign -0.043+/-0.158 χ^2/NDF: 54.6/50

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: 827.392+/-0.160 χ^2/NDF: 517273.9/27

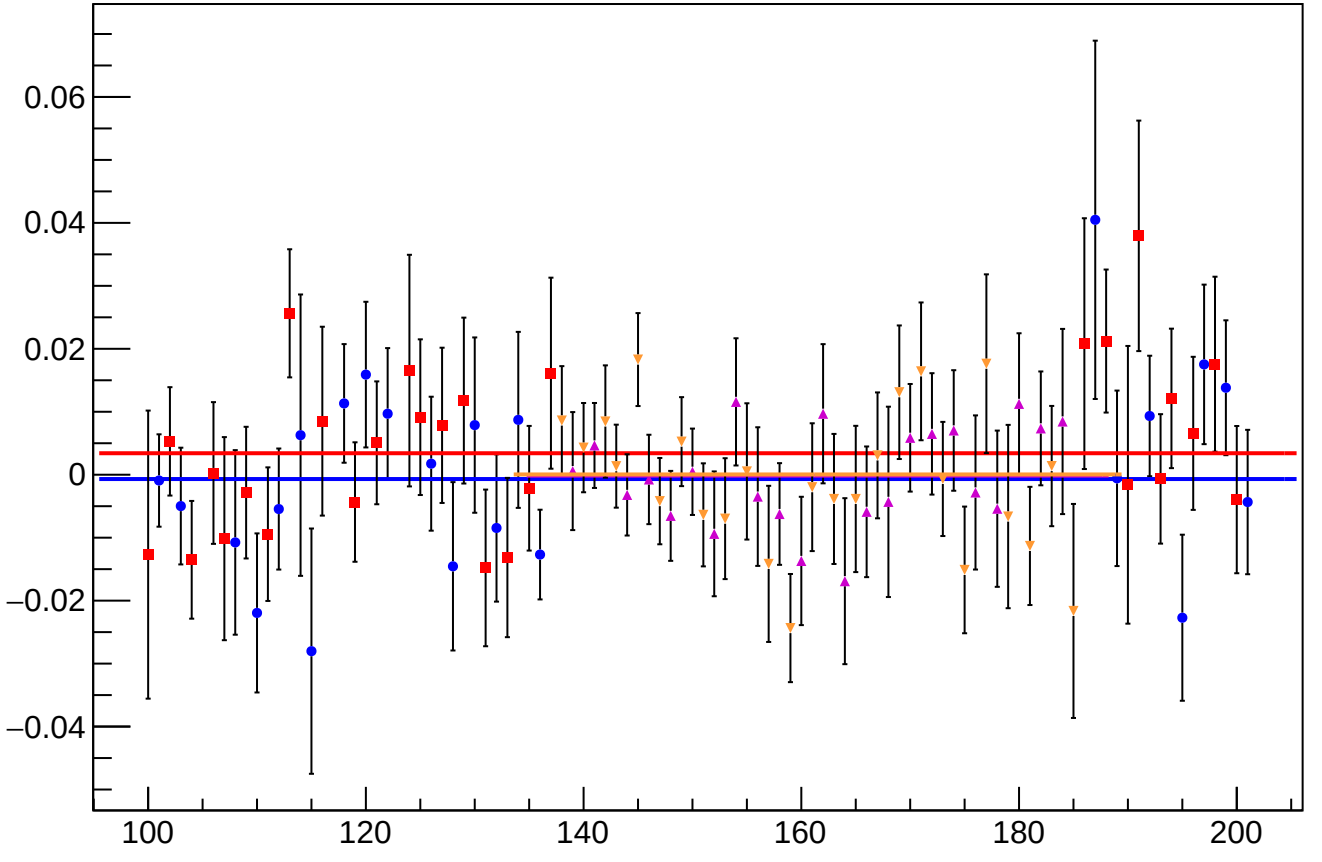
Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 865.933+/-0.111 χ^2/NDF: 1544705.1/47

All: 872.530+/-0.079 χ^2/NDF: 3044563.8/98

- sign 879.242+/-0.112 χ^2/NDF: 1492700.1/50

diff_dispE_bpm12X_mean vs Slug



Right In: -0.001+/-0.002 χ^2/NDF: 25.7/22

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.003+/-0.002 χ^2/NDF: 27.3/27

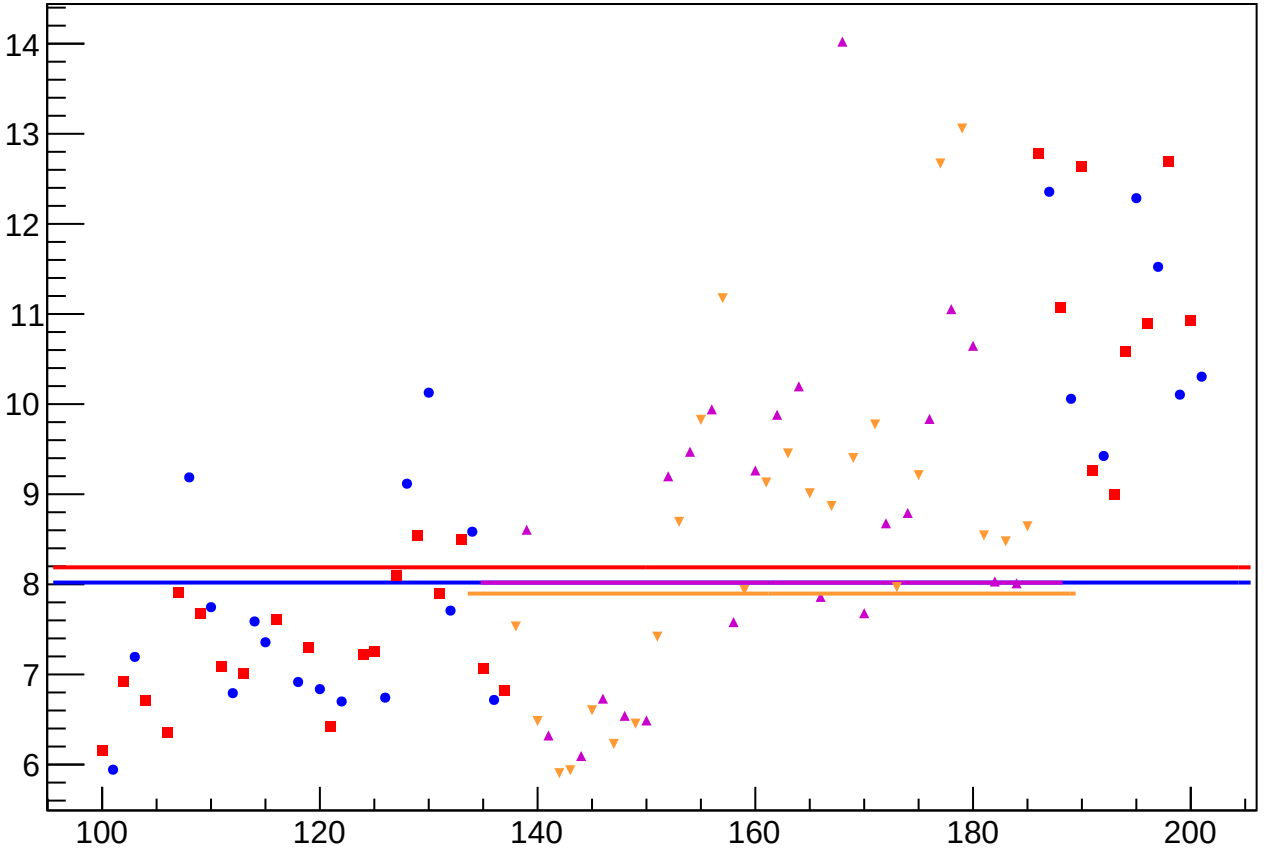
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.000+/-0.001 χ^2/NDF: 56.9/47

All: 0.001+/-0.001 χ^2/NDF: 99.0/98

- sign 0.001+/-0.001 χ^2/NDF: 41.5/50

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: 8.189+/-0.002 χ^2/NDF: 1210721.1/27

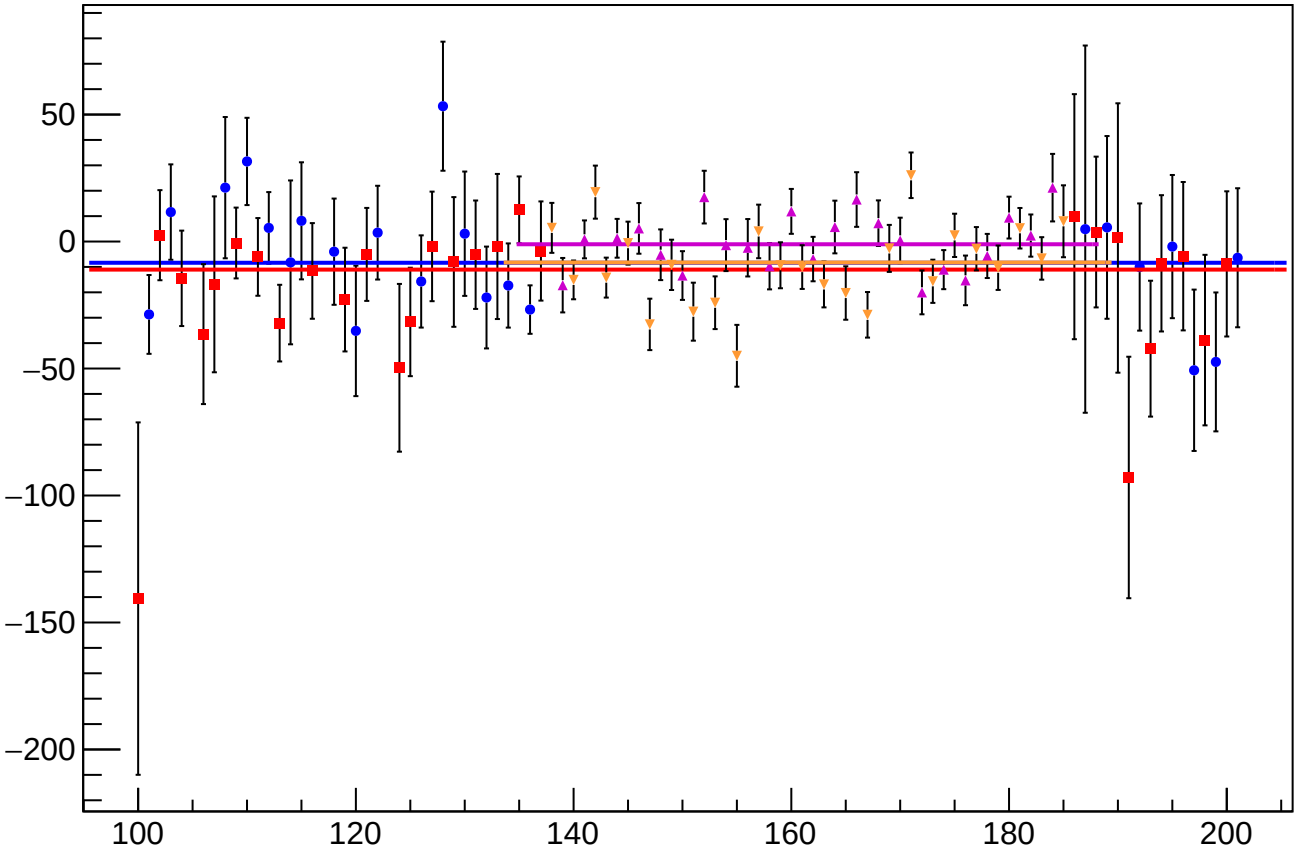
Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.944+/-0.001 χ^2/NDF: 2709376.2/47

All: 8.016+/-0.001 χ^2/NDF: 5392287.4/98

- sign 8.089+/-0.001 χ^2/NDF: 2672977.4/50

diff_targ_positionX_mean vs Slug



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: -11.051+/-4.173 χ^2/NDF: 19.6/27

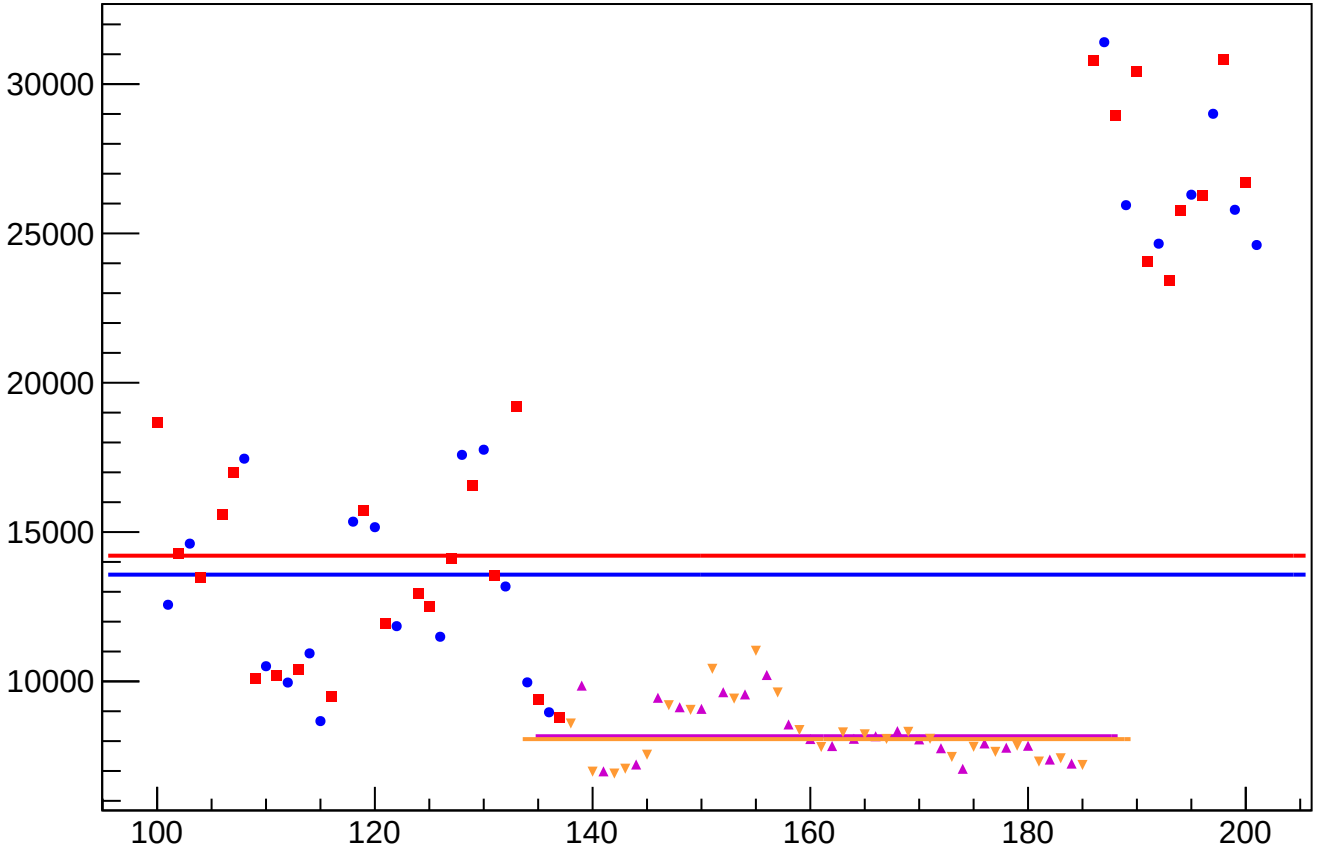
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.273+/-1.692 χ^2/NDF: 89.4/47

All: -5.630+/-1.215 χ^2/NDF: 147.6/98

- sign -2.817+/-1.745 χ^2/NDF: 53.2/50

diff_targ_positionX_rms vs Slug



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: 14209.158+/-2.950 χ^2/NDF: 3976130.8/27

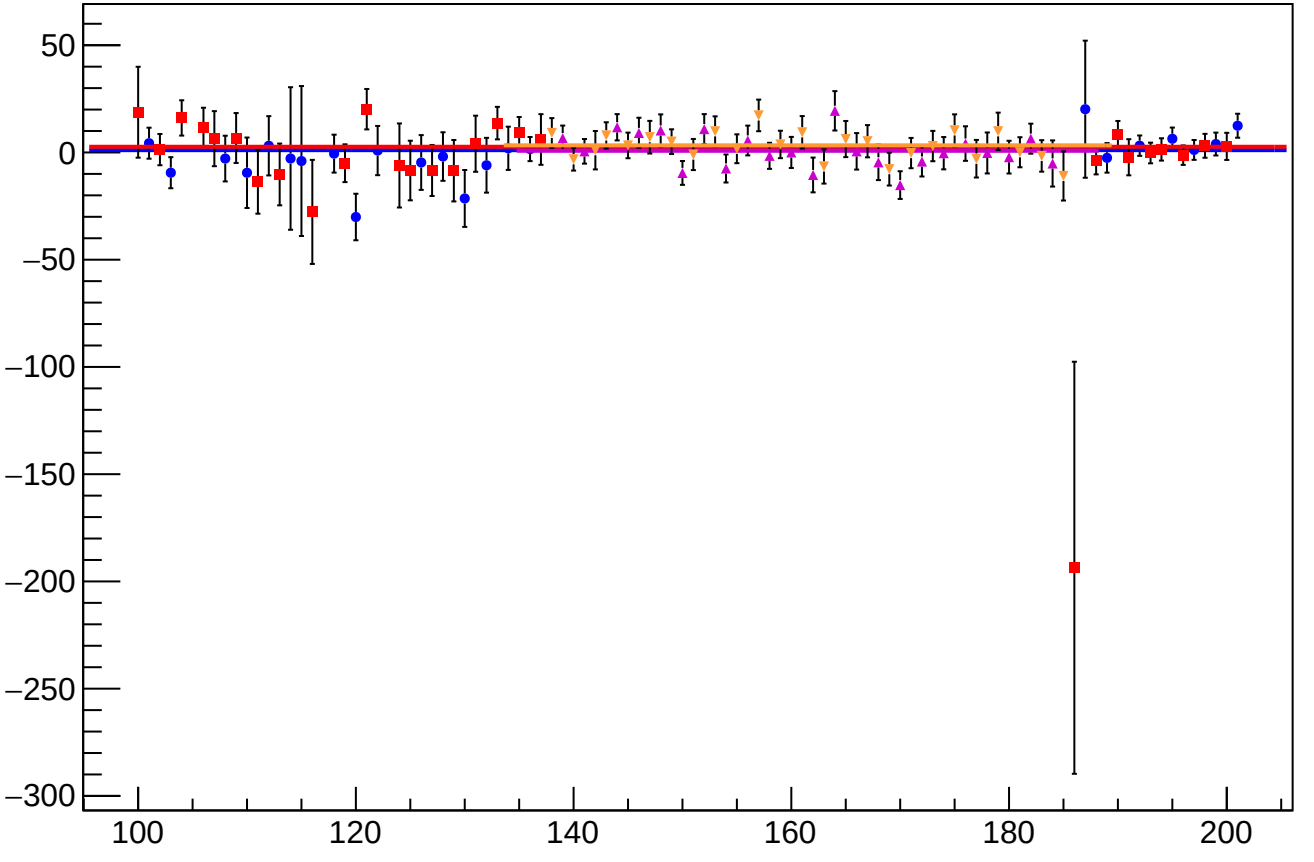
Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8966.863+/-1.196 χ^2/NDF: 6839269.2/47

All: 9089.807+/-0.859 χ^2/NDF: 14733993.1/9

- sign 9220.616+/-1.234 χ^2/NDF: 7872917.9/50

diff_targ_positionY_mean vs Slug



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: 2.660+/-1.549 χ^2/NDF: 25.3/27

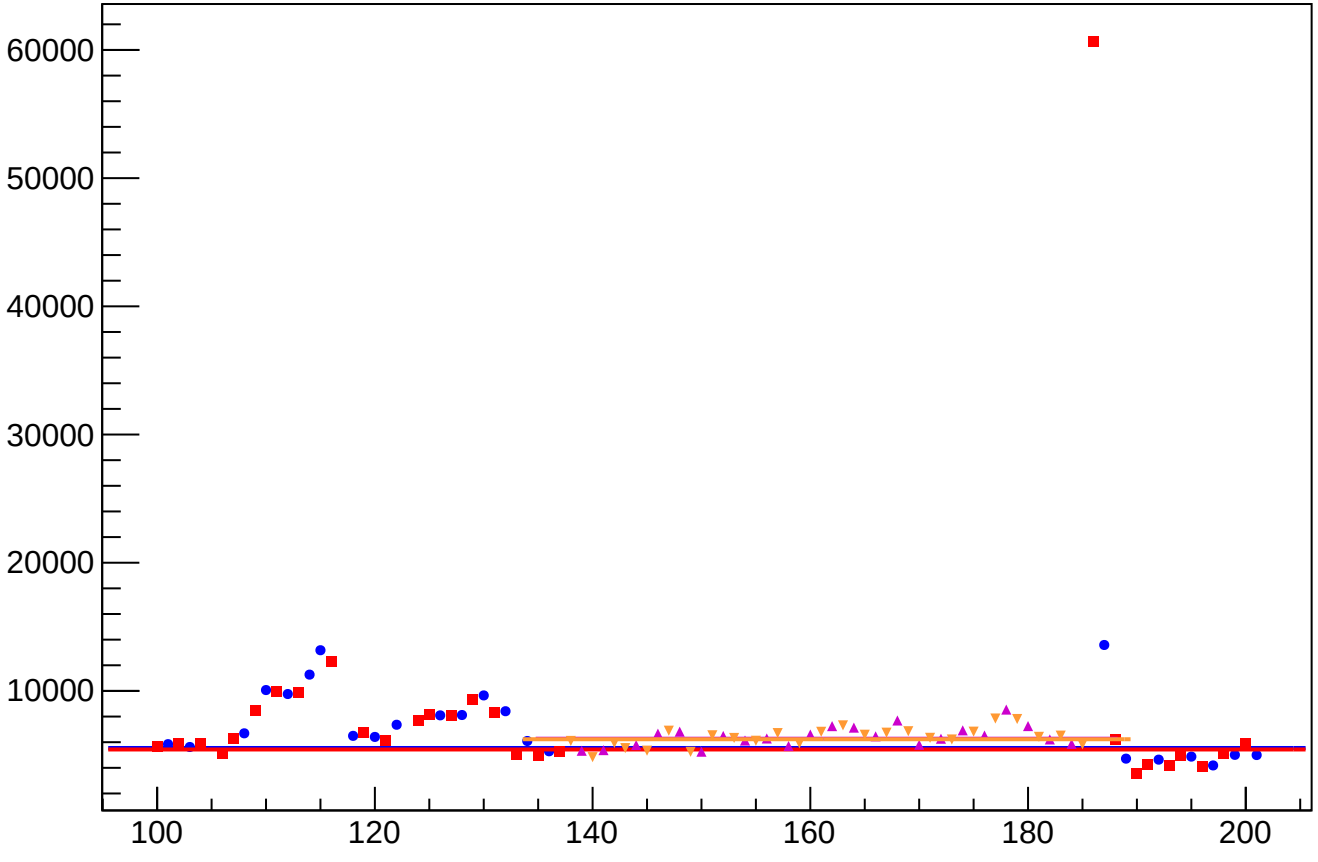
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 2.355+/-1.079 χ^2/NDF: 39.0/47

All: 2.017+/-0.759 χ^2/NDF: 94.6/98

- sign 1.685+/-1.069 χ^2/NDF: 55.5/50

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: 5431.847+/-1.095 χ^2/NDF: 2457680.5/27

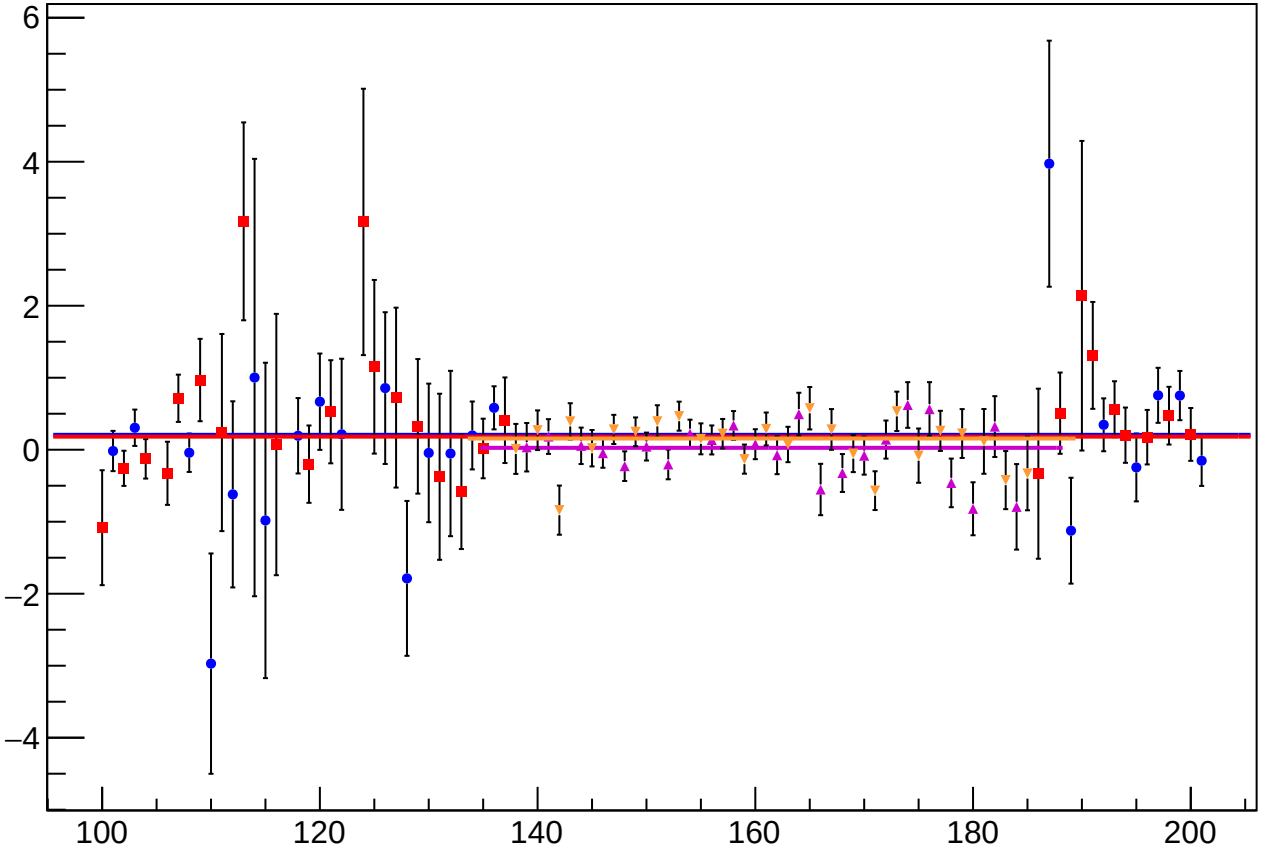
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5936.297+/-0.763 χ^2/NDF: 2292348.3/47

All: 5903.245+/-0.537 χ^2/NDF: 5565524.8/98

- sign 5870.755+/-0.756 χ^2/NDF: 3269452.9/50

diff_targ_thetaX_mean vs Slug



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: 0.182+/-0.095 χ^2/NDF: 28.5/27

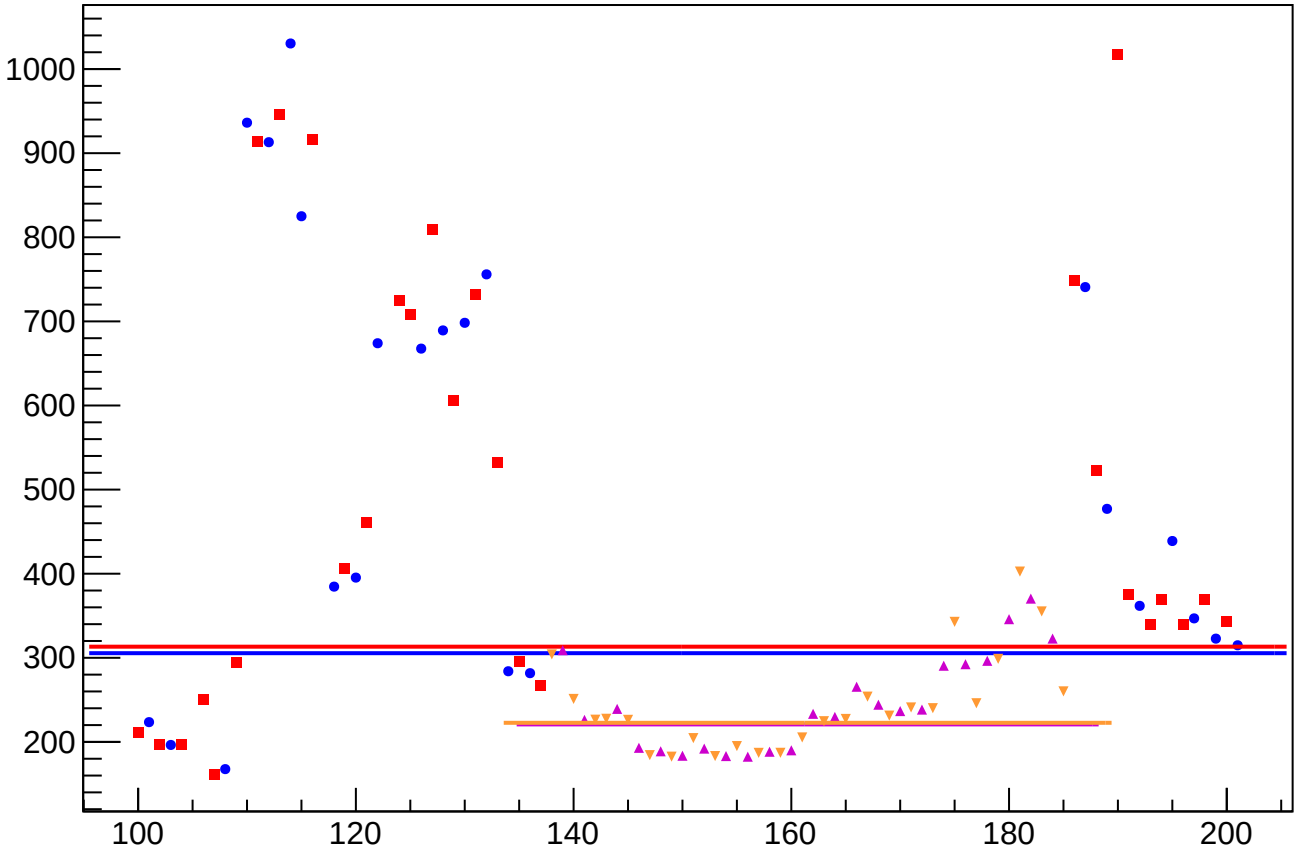
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.167+/-0.046 χ^2/NDF: 60.1/47

All: 0.116+/-0.033 χ^2/NDF: 123.0/98

- sign 0.063+/-0.046 χ^2/NDF: 60.3/50

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: 313.233+/-0.068 χ^2/NDF: 4644207.6/27

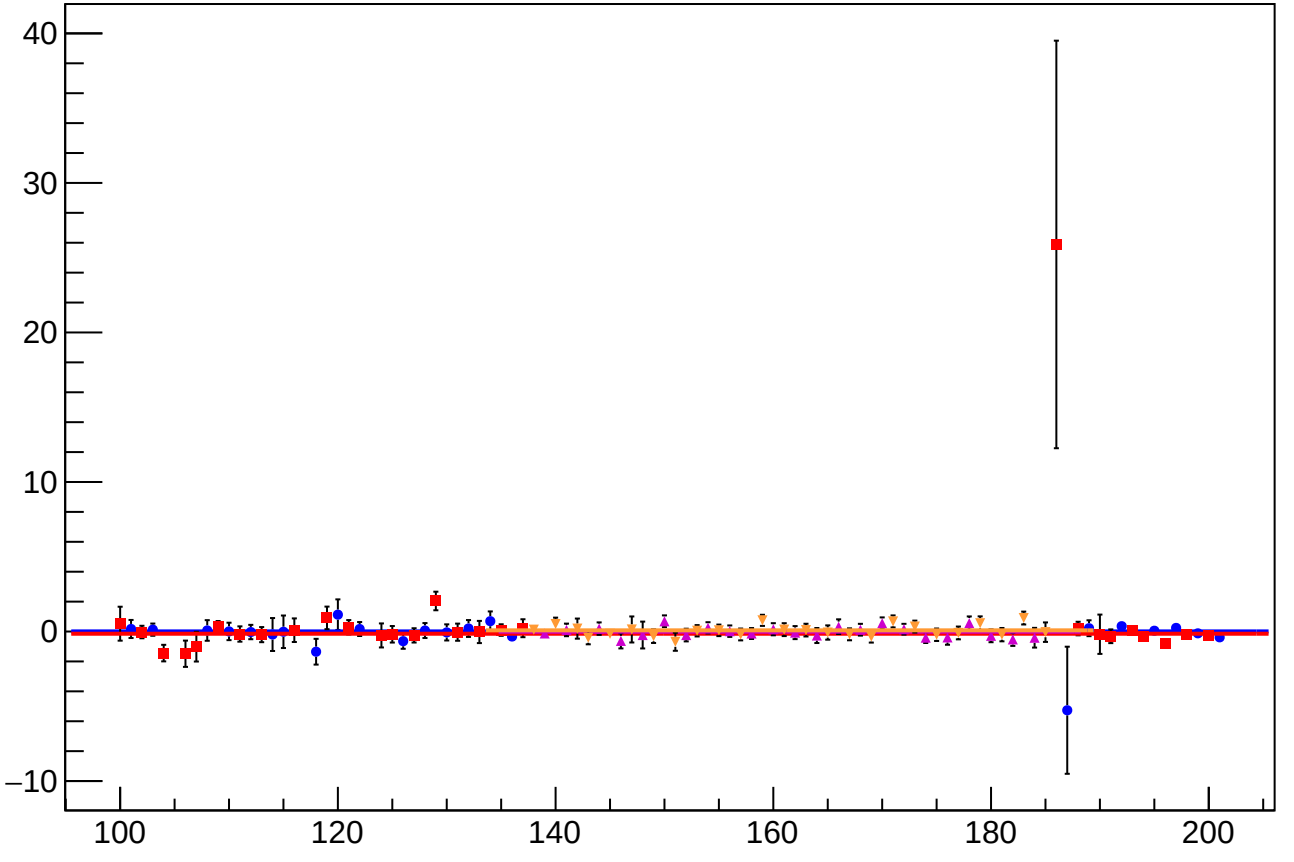
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 241.329+/-0.032 χ^2/NDF: 6633849.7/47

All: 241.935+/-0.023 χ^2/NDF: 14183671.9/98

- sign 242.558+/-0.033 χ^2/NDF: 7549108.9/50

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: -0.148+/-0.087 χ^2/NDF: 37.8/27

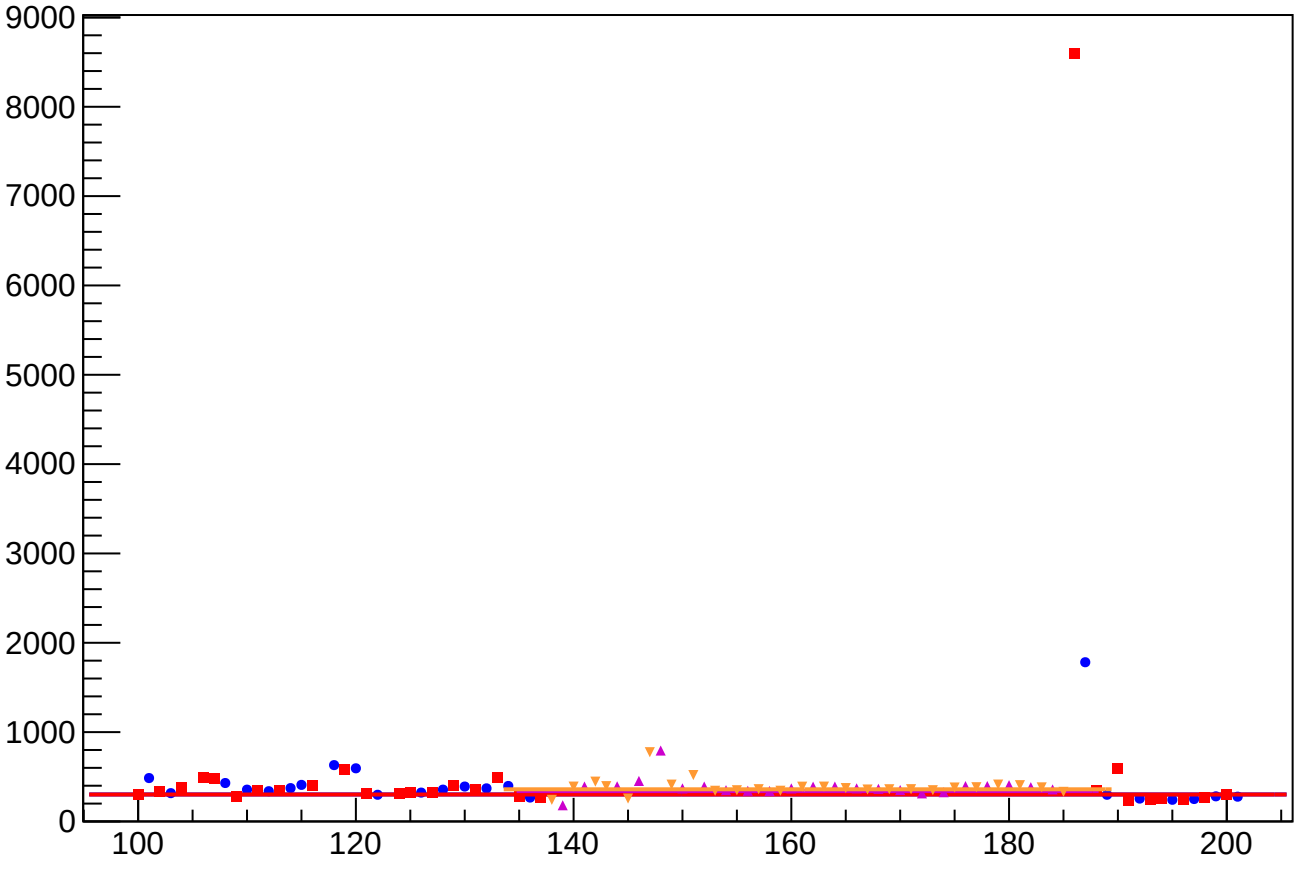
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.046+/-0.062 χ^2/NDF: 33.7/47

All: -0.016+/-0.043 χ^2/NDF: 90.1/98

- sign -0.075+/-0.060 χ^2/NDF: 54.4/50

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

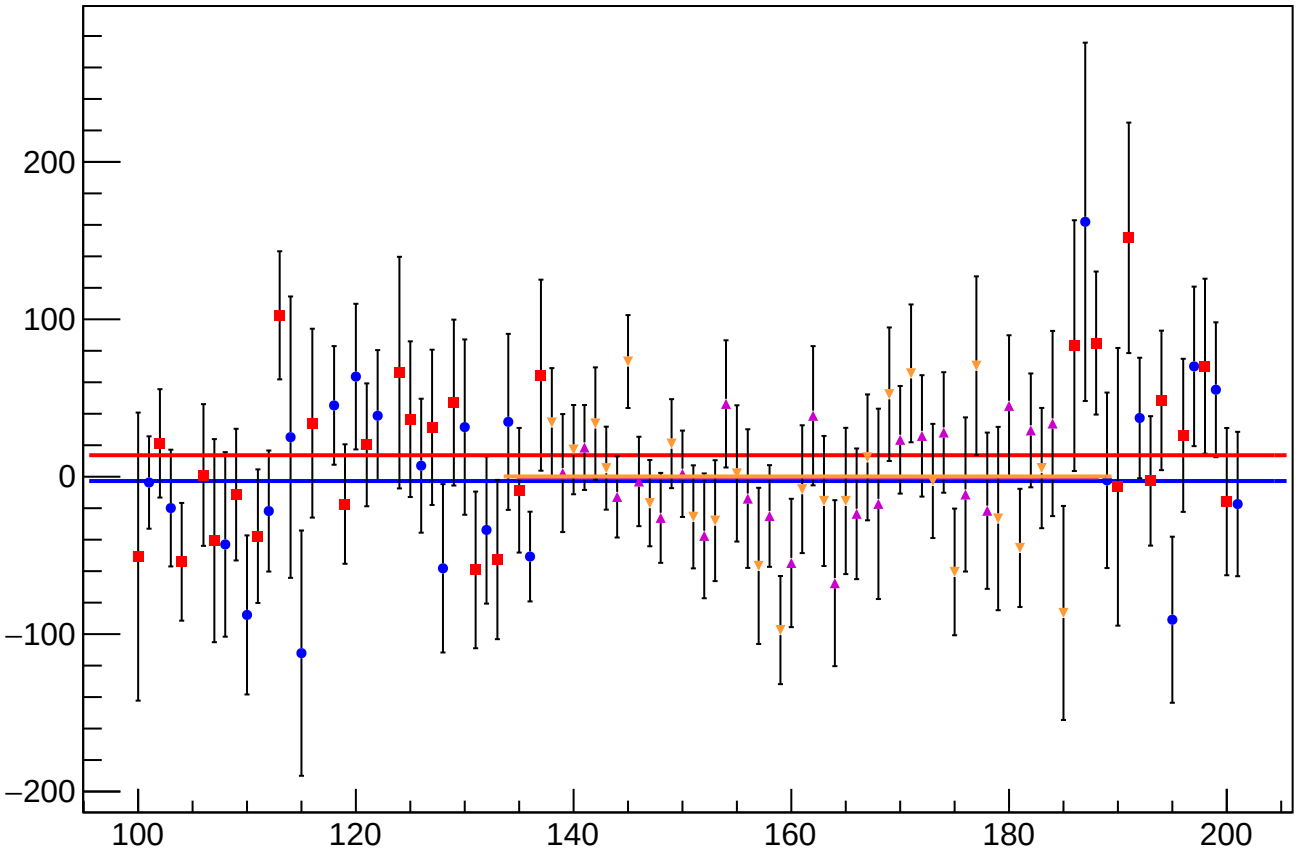
Right Out: 301.615+/-0.061 χ^2/NDF: 1936440.8/27

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 333.014+/-0.044 χ^2/NDF: 3228141.0/47

All: 327.229+/-0.030 χ^2/NDF: 7628903.6/98

- sign 321.736+/-0.042 χ^2/NDF: 4366288.9/50



Right In: -2.743+/-9.380 χ^2/NDF: 25.7/22

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

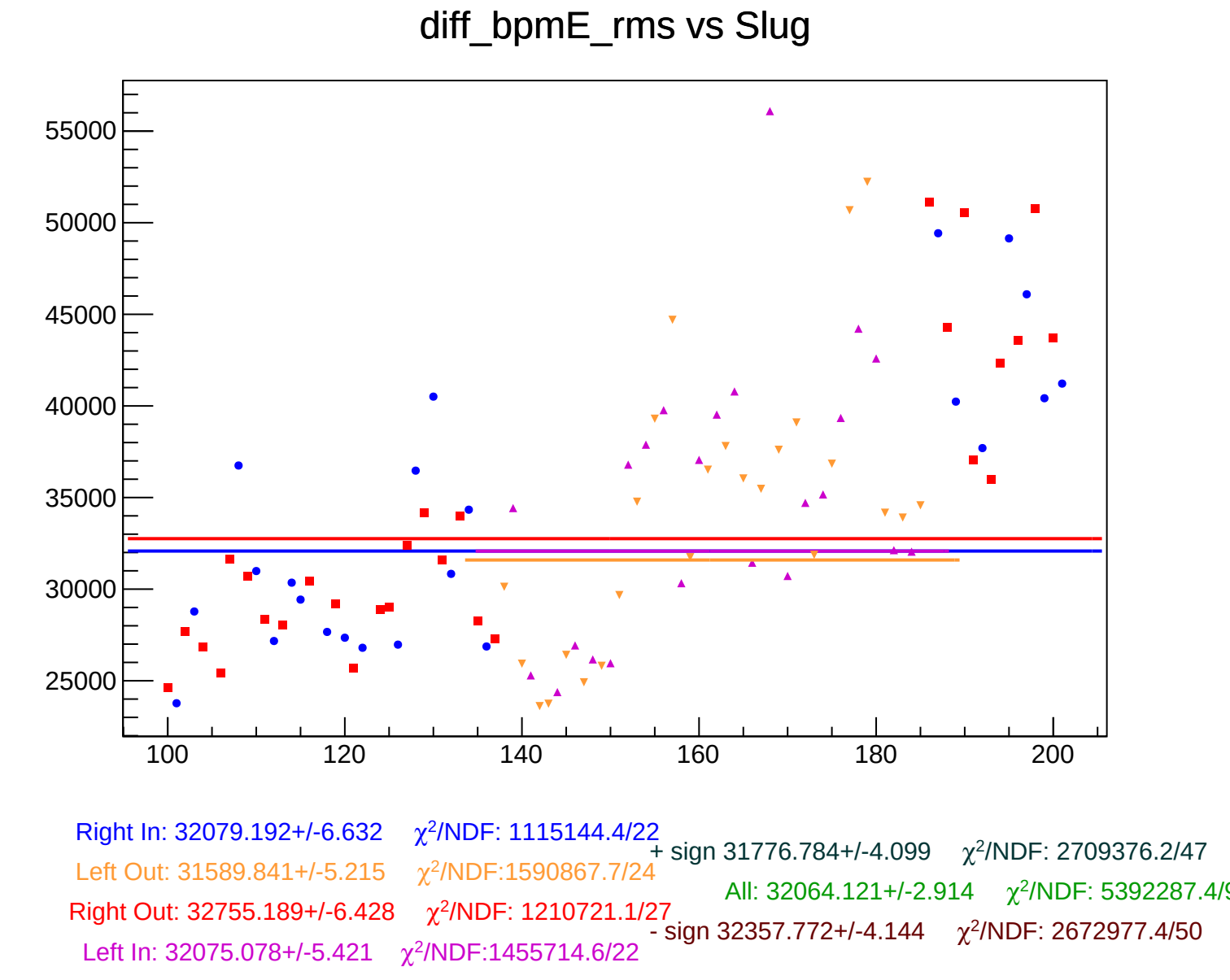
Right Out: 13.652+/-9.090 χ^2/NDF: 27.3/27

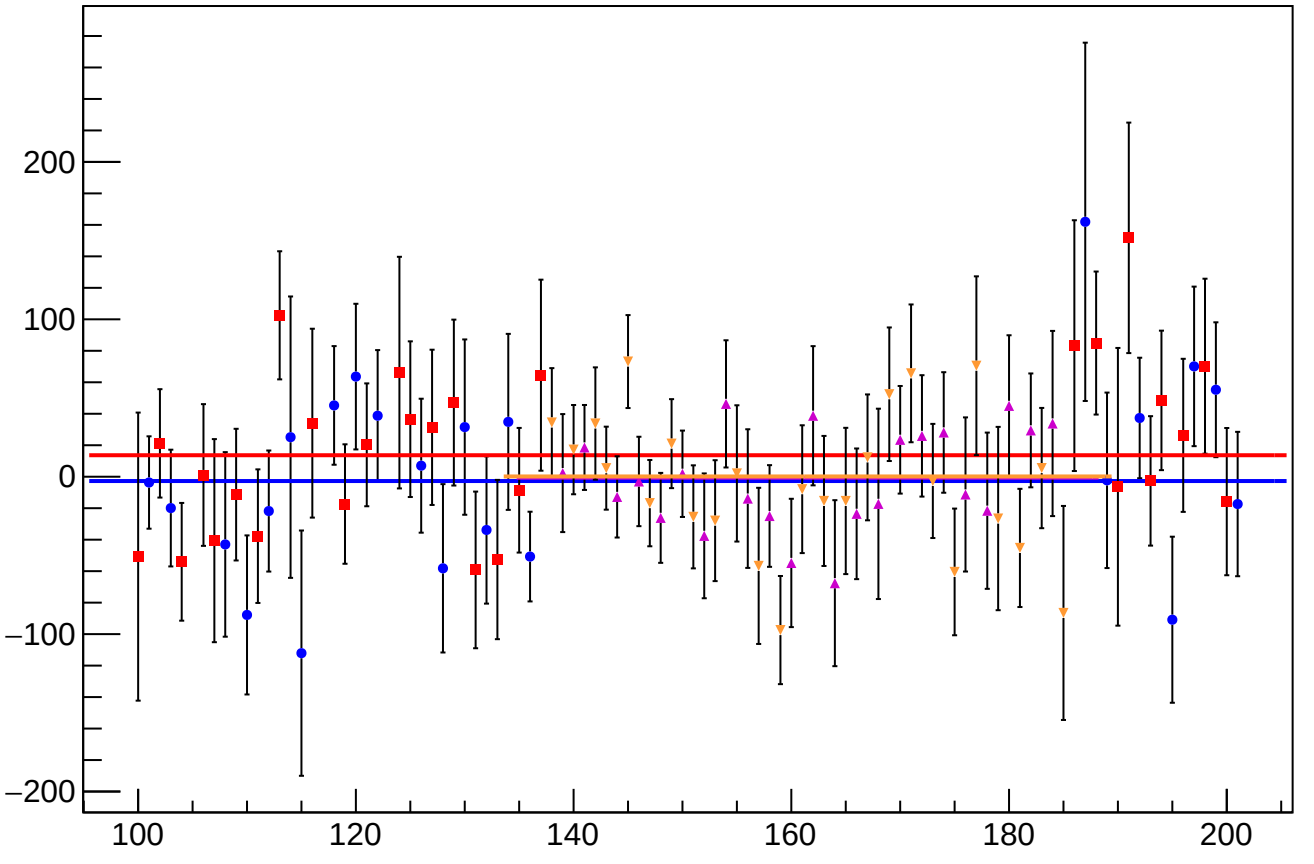
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -0.944+/-5.797 χ^2/NDF: 56.9/47

All: 2.160+/-4.122 χ^2/NDF: 99.0/98

- sign 5.332+/-5.861 χ^2/NDF: 41.5/50


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: 32755.189+/-6.428 χ²/NDF: 1210721.1/27
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31776.784+/-4.099 χ²/NDF: 2709376.2/47
All: 32064.121+/-2.914 χ²/NDF: 5392287.4/9
- sign 32357.772+/-4.144 χ²/NDF: 2672977.4/50



Right In: -2.743+/-9.380 χ^2/NDF: 25.7/22

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

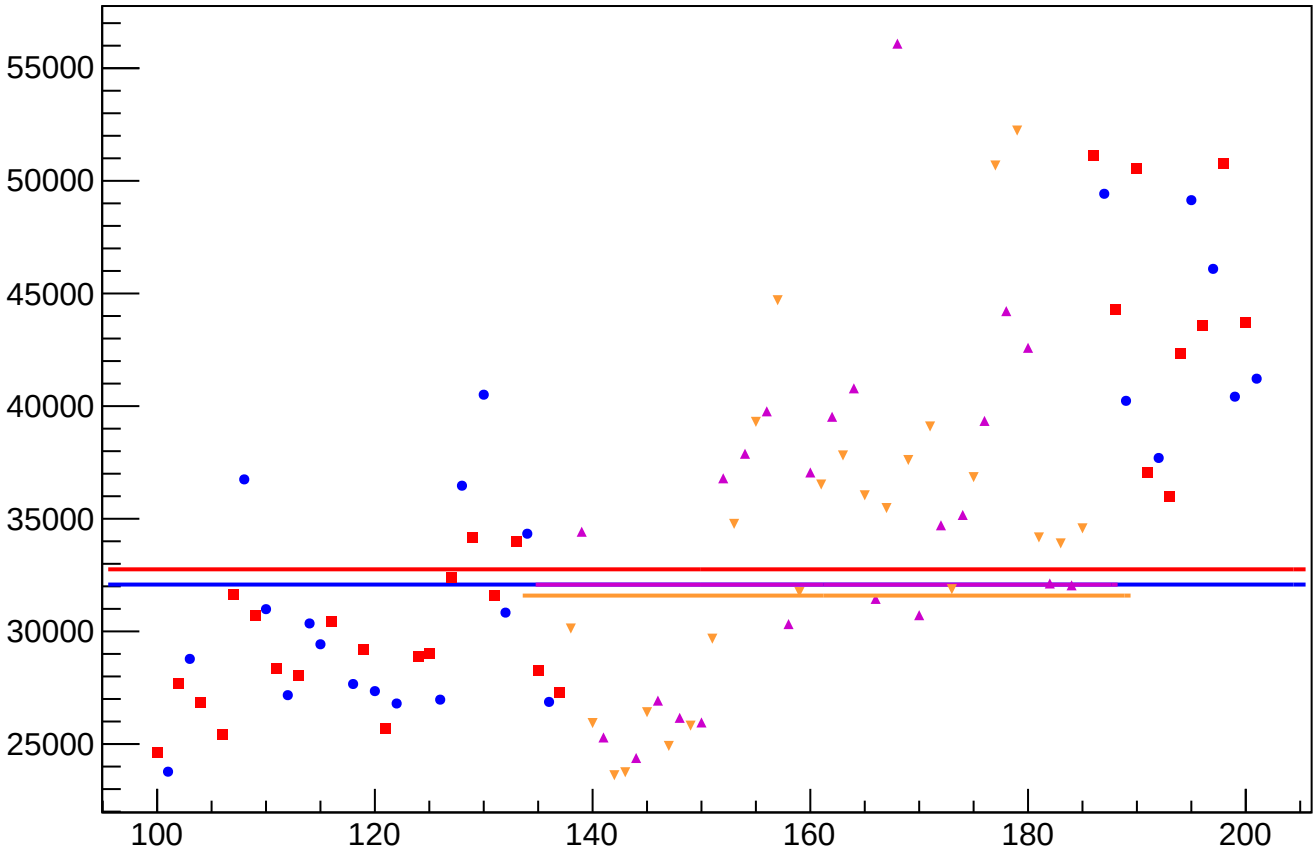
Right Out: 13.652+/-9.090 χ^2/NDF: 27.3/27

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -0.944+/-5.797 χ^2/NDF: 56.9/47

All: 2.160+/-4.122 χ^2/NDF: 99.0/98

- sign 5.332+/-5.861 χ^2/NDF: 41.5/50



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: 32755.189+/-6.428 χ^2/NDF: 1210721.1/27

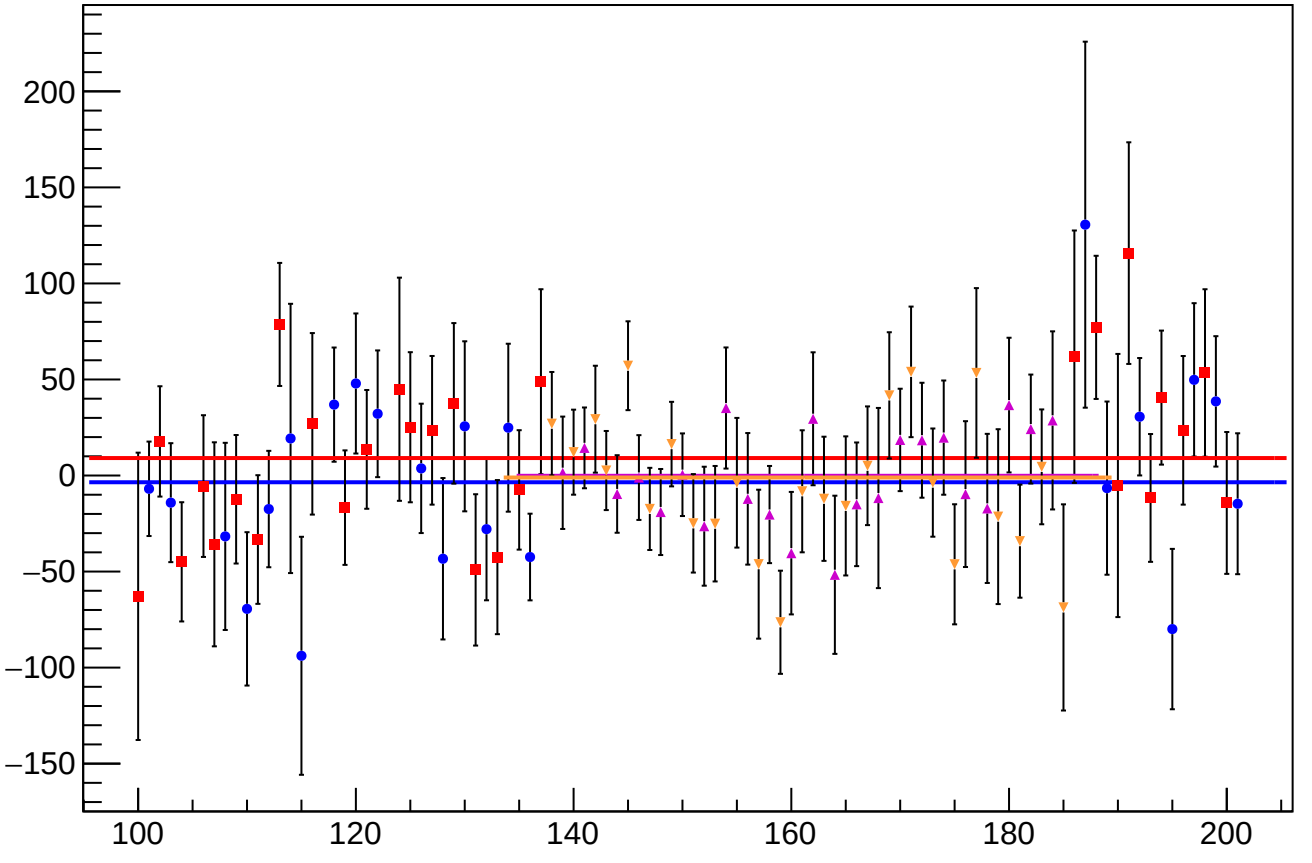
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31776.784+/-4.099 χ^2/NDF: 2709376.2/47

All: 32064.121+/-2.914 χ^2/NDF: 5392287.4/9

- sign 32357.772+/-4.144 χ^2/NDF: 2672977.4/50

diff_bpmE_11X12X_mean vs Slug



Right In: -3.507+/-7.503 χ^2/NDF: 25.9/22

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

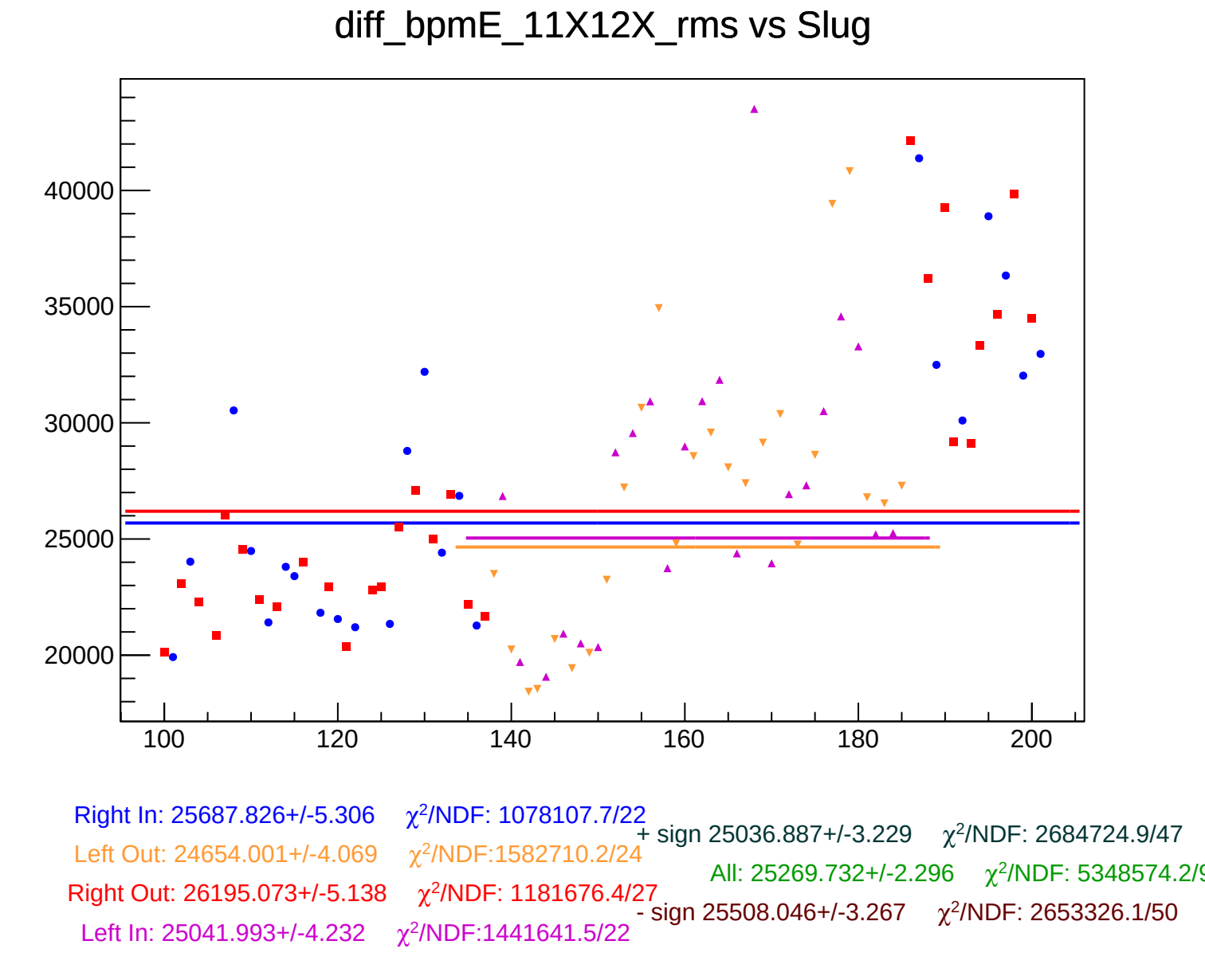
Right Out: 9.091+/-7.266 χ^2/NDF: 28.7/27

Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

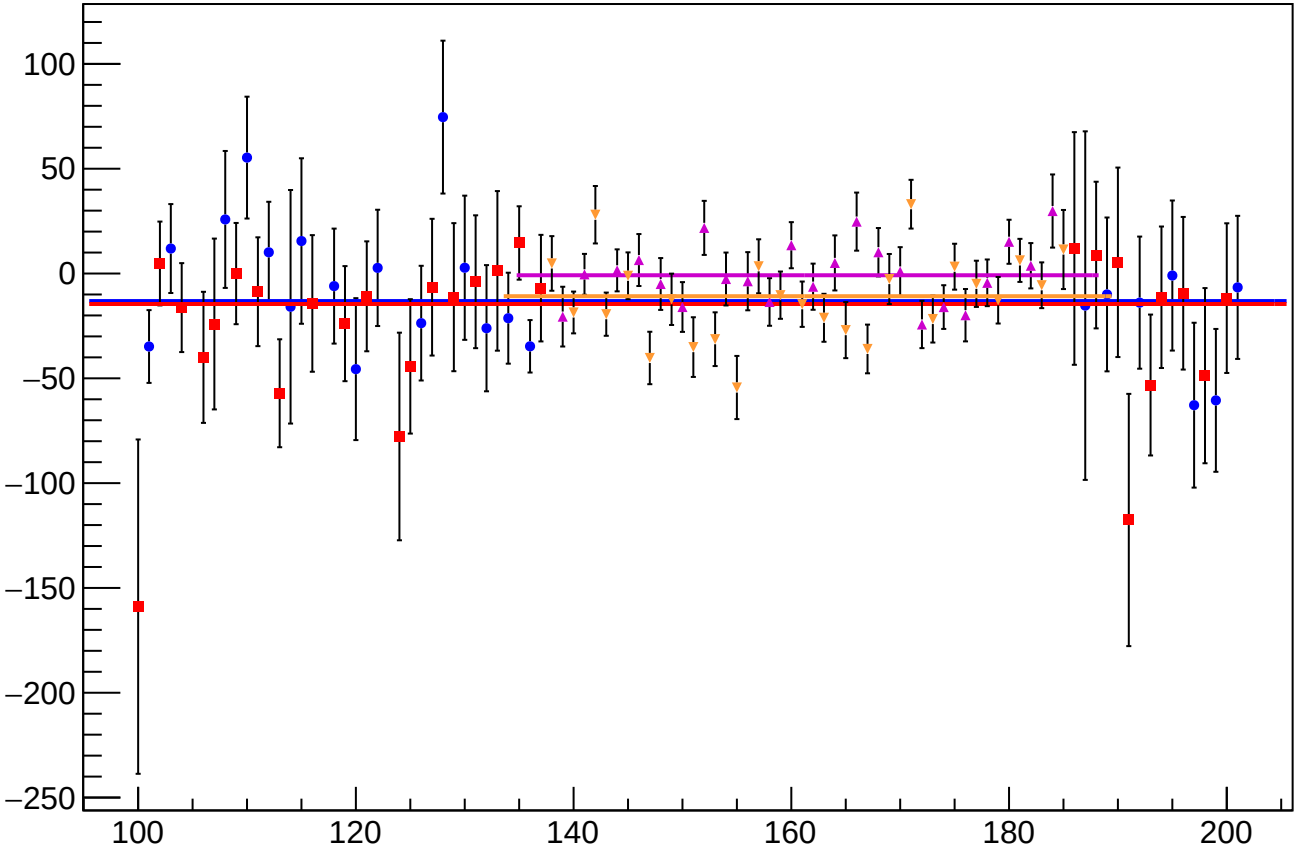
+ sign -1.955+/-4.566 χ^2/NDF: 58.3/47

All: 0.784+/-3.247 χ^2/NDF: 100.8/98

- sign 3.587+/-4.620 χ^2/NDF: 41.8/50


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: 26195.073+/-5.138 χ²/NDF: 1181676.4/27
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
+ sign 25036.887+/-3.229 χ²/NDF: 2684724.9/47
All: 25269.732+/-2.296 χ²/NDF: 5348574.2/9
- sign 25508.046+/-3.267 χ²/NDF: 2653326.1/50

diff_bpm4aesumX_mean vs Slug



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: -14.536+/-5.742 χ^2/NDF: 19.7/27

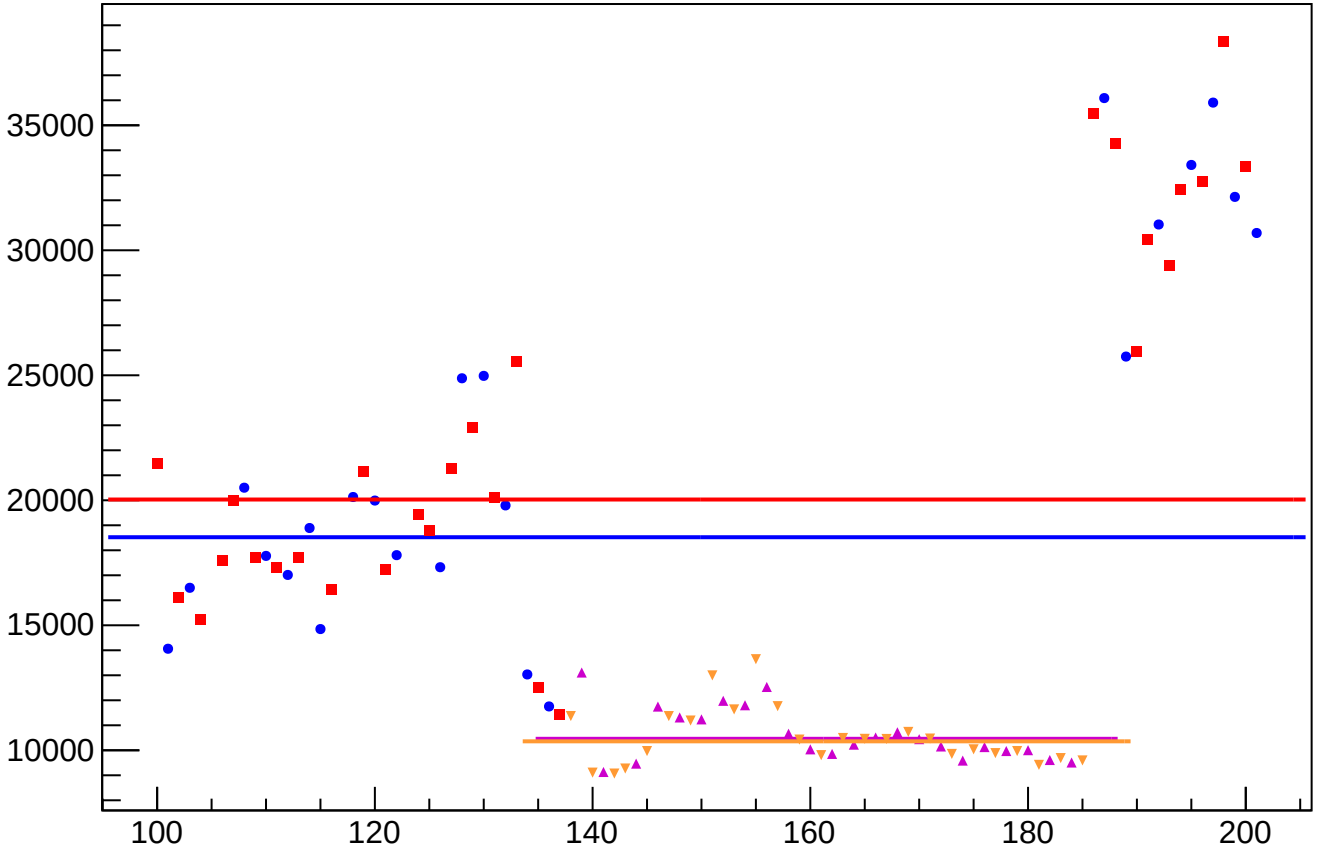
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -11.171+/-2.185 χ^2/NDF: 87.3/47

All: -7.196+/-1.571 χ^2/NDF: 148.0/98

- sign -2.948+/-2.259 χ^2/NDF: 53.9/50

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: 20030.727+/-4.060 χ^2/NDF: 2871833.8/27

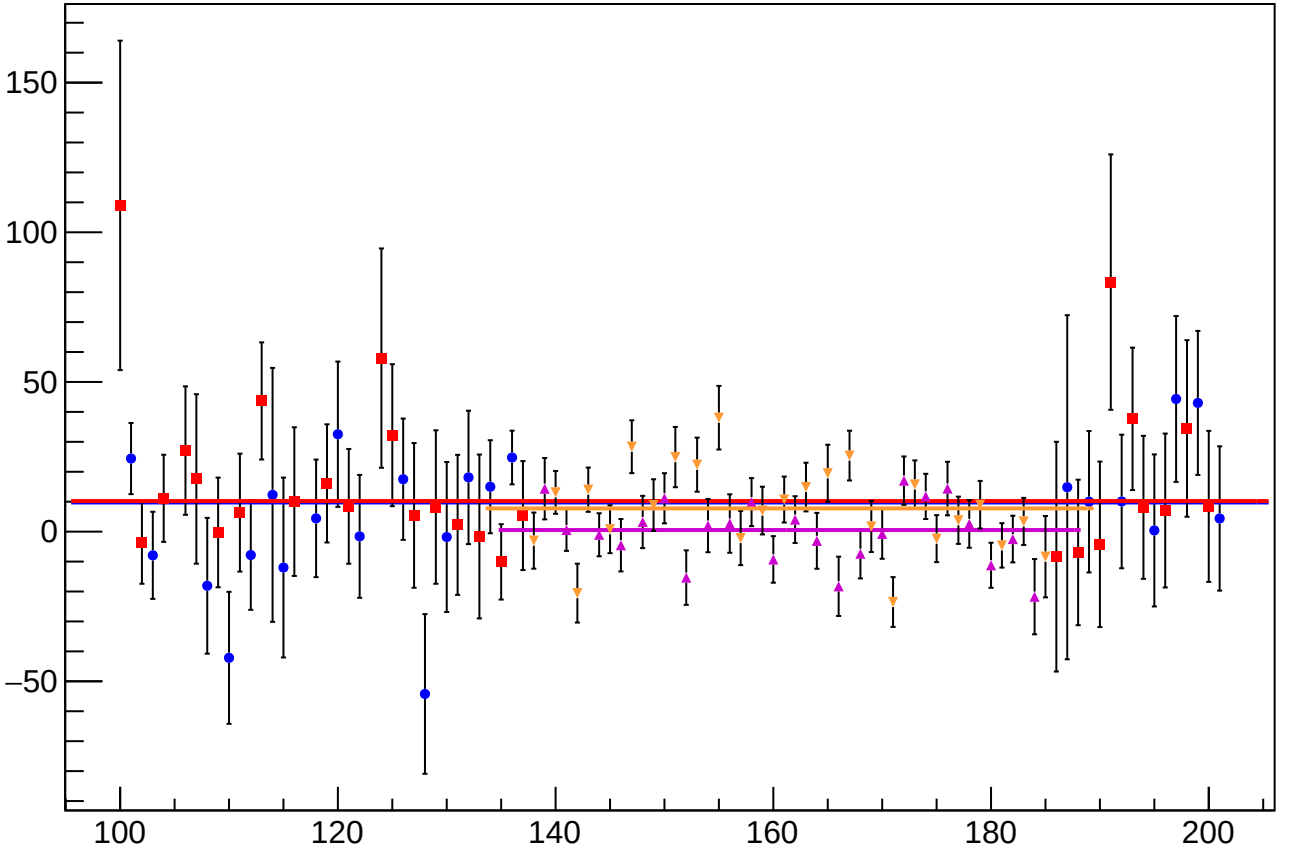
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11583.962+/-1.545 χ^2/NDF: 6765184.6/47

All: 11756.378+/-1.111 χ^2/NDF: 14675431.2/

- sign 11940.618+/-1.597 χ^2/NDF: 7884490.9/50

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: 10.219+/-4.114 χ^2/NDF: 19.9/27

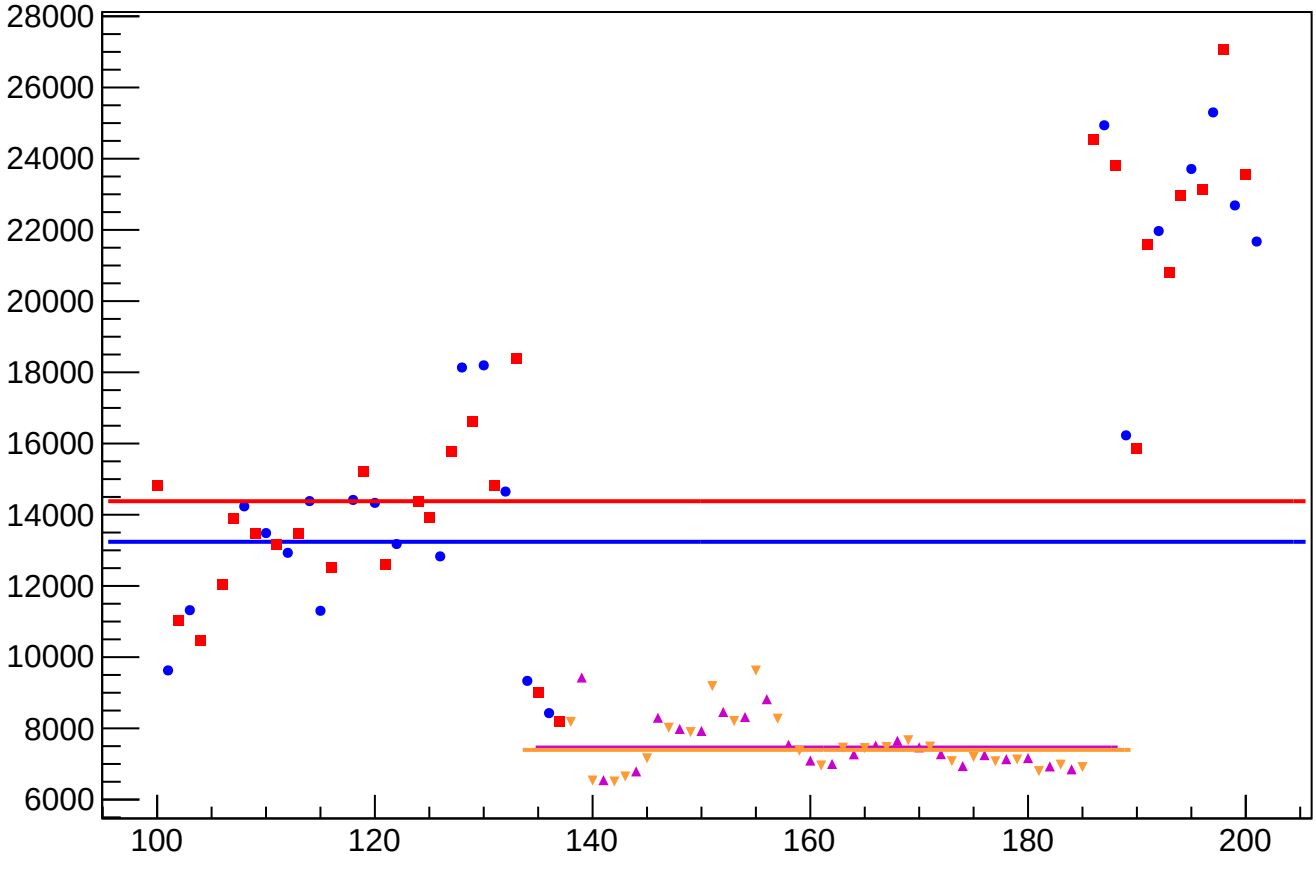
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 8.060+/-1.560 χ^2/NDF: 86.7/47

All: 5.139+/-1.121 χ^2/NDF: 148.0/98

- sign 2.019+/-1.612 χ^2/NDF: 54.0/50

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: 14379.845+/-2.909 χ^2/NDF: 2776050.1/27

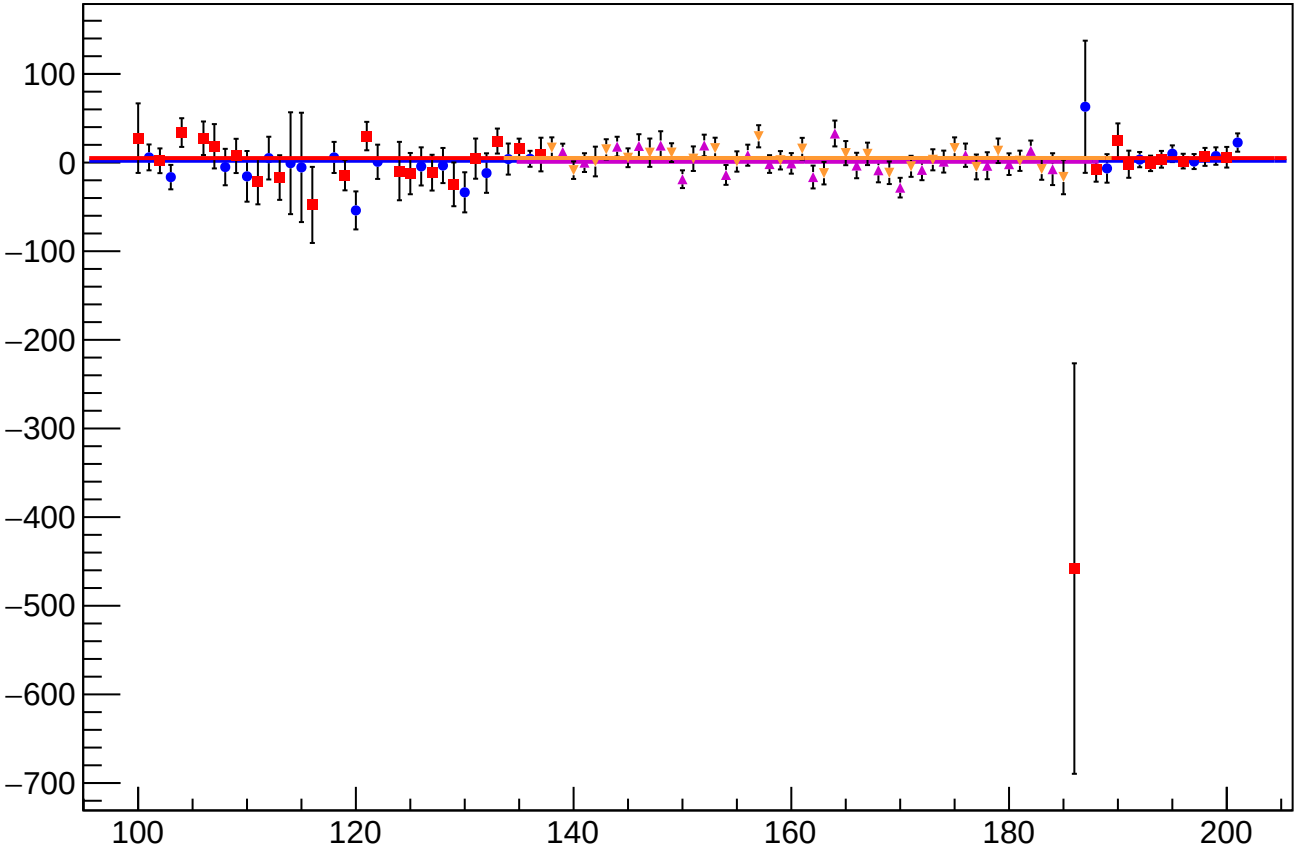
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8270.465+/-1.103 χ^2/NDF: 6692825.4/47

All: 8392.659+/-0.793 χ^2/NDF: 14567752.5/9

- sign 8523.155+/-1.140 χ^2/NDF: 7849543.2/50

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

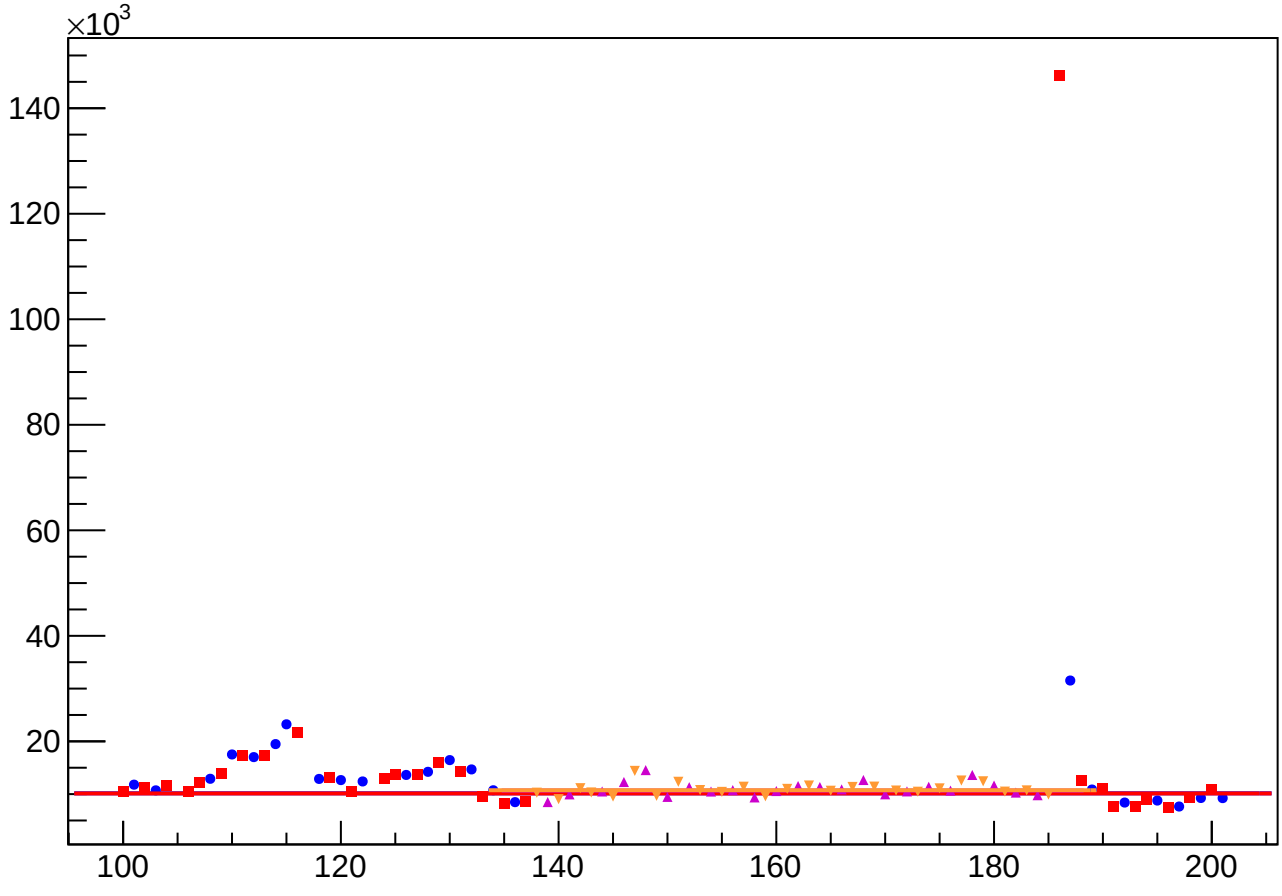
Right Out: 5.048+/-2.884 χ^2/NDF: 24.6/27

Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.922+/-1.903 χ^2/NDF: 37.3/47

All: 3.304+/-1.344 χ^2/NDF: 95.2/98

- sign 2.690+/-1.897 χ^2/NDF: 57.6/50



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: 10124.079+/-2.039 χ^2/NDF: 2262588.5/27

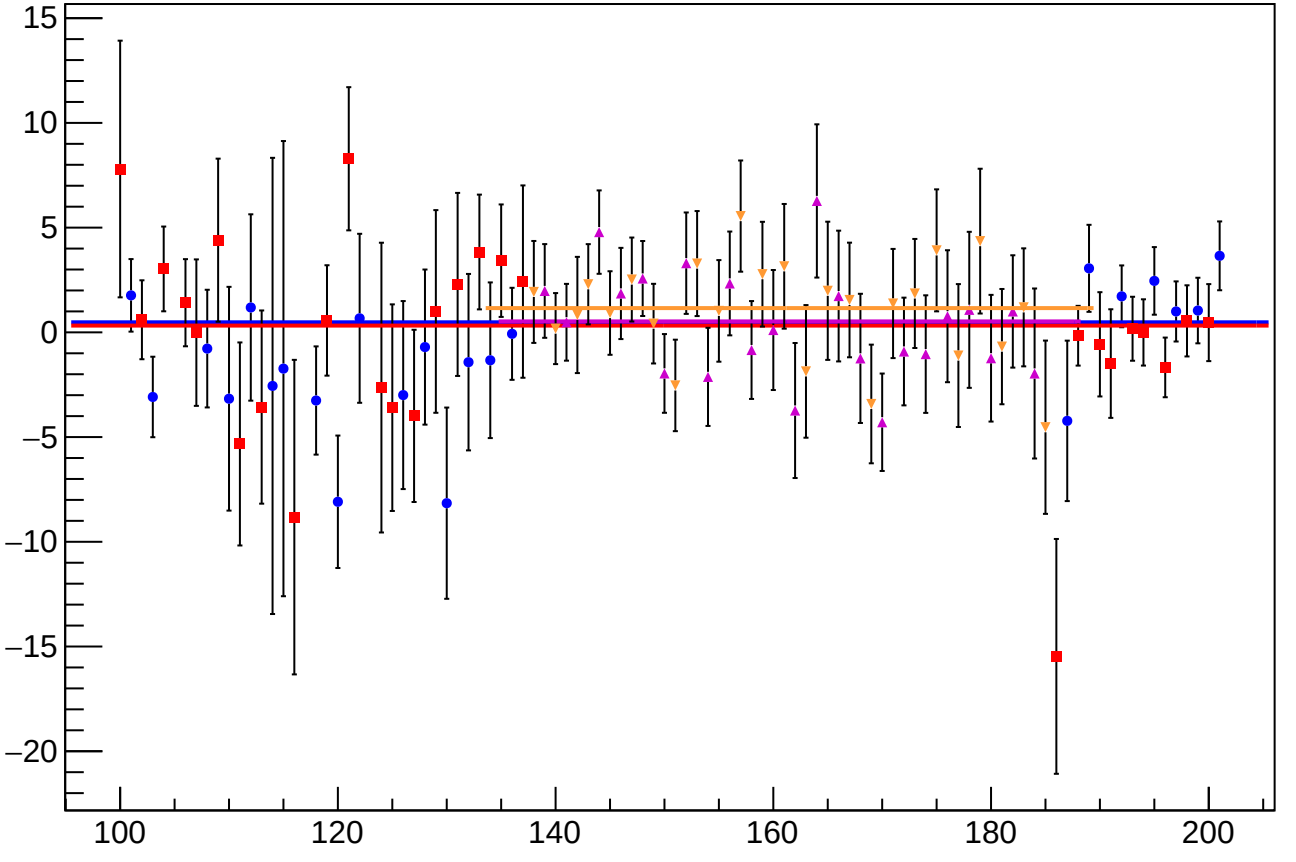
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10500.306+/-1.346 χ^2/NDF: 1963771.3/47

All: 10468.977+/-0.950 χ^2/NDF: 4769746.4/9

- sign 10437.854+/-1.341 χ^2/NDF: 2804894.8/50

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: 0.323+/-0.466 χ^2/NDF: 29.7/27

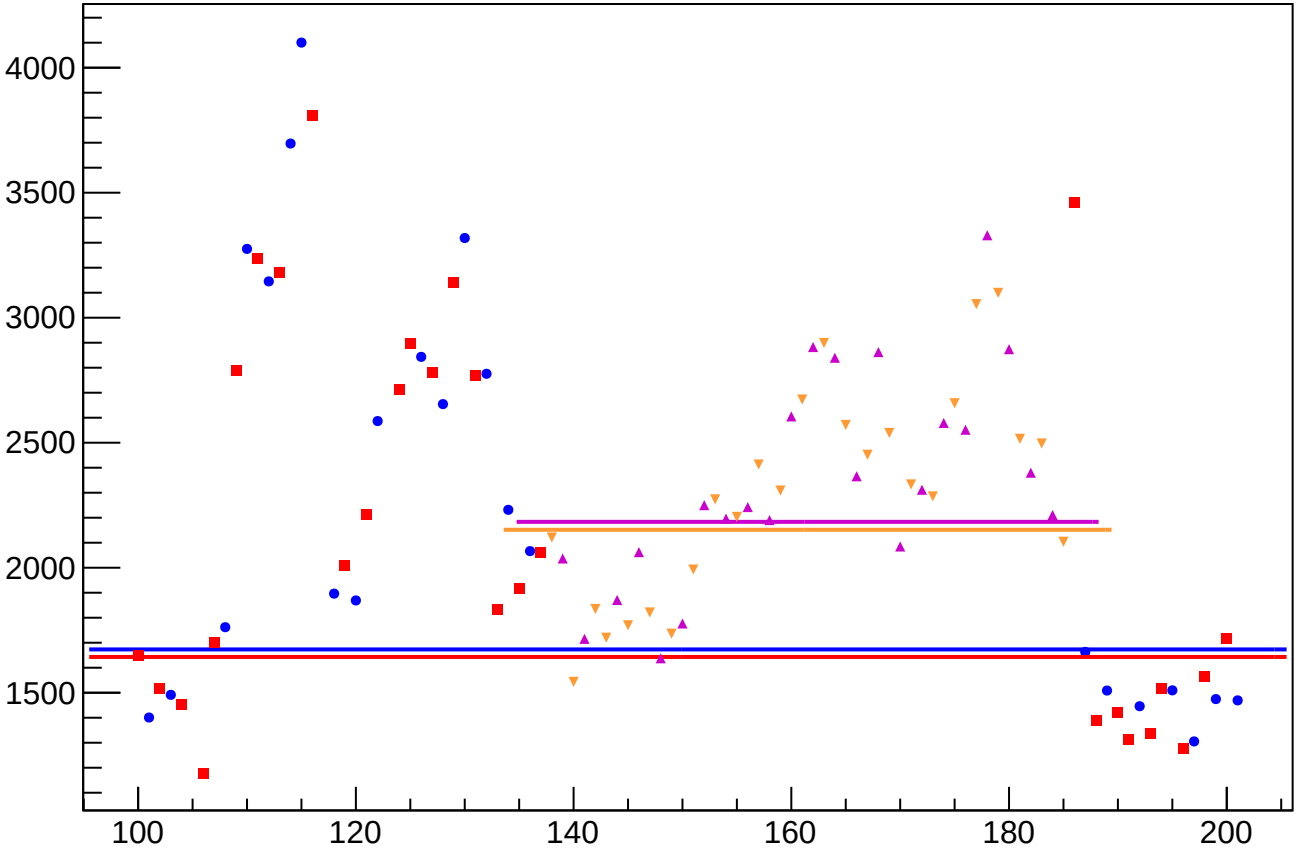
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.816+/-0.352 χ^2/NDF: 46.0/47

All: 0.611+/-0.247 χ^2/NDF: 98.8/98

- sign 0.412+/-0.347 χ^2/NDF: 52.1/50

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: 1643.038+/-0.330 χ^2/NDF: 2255123.8/27

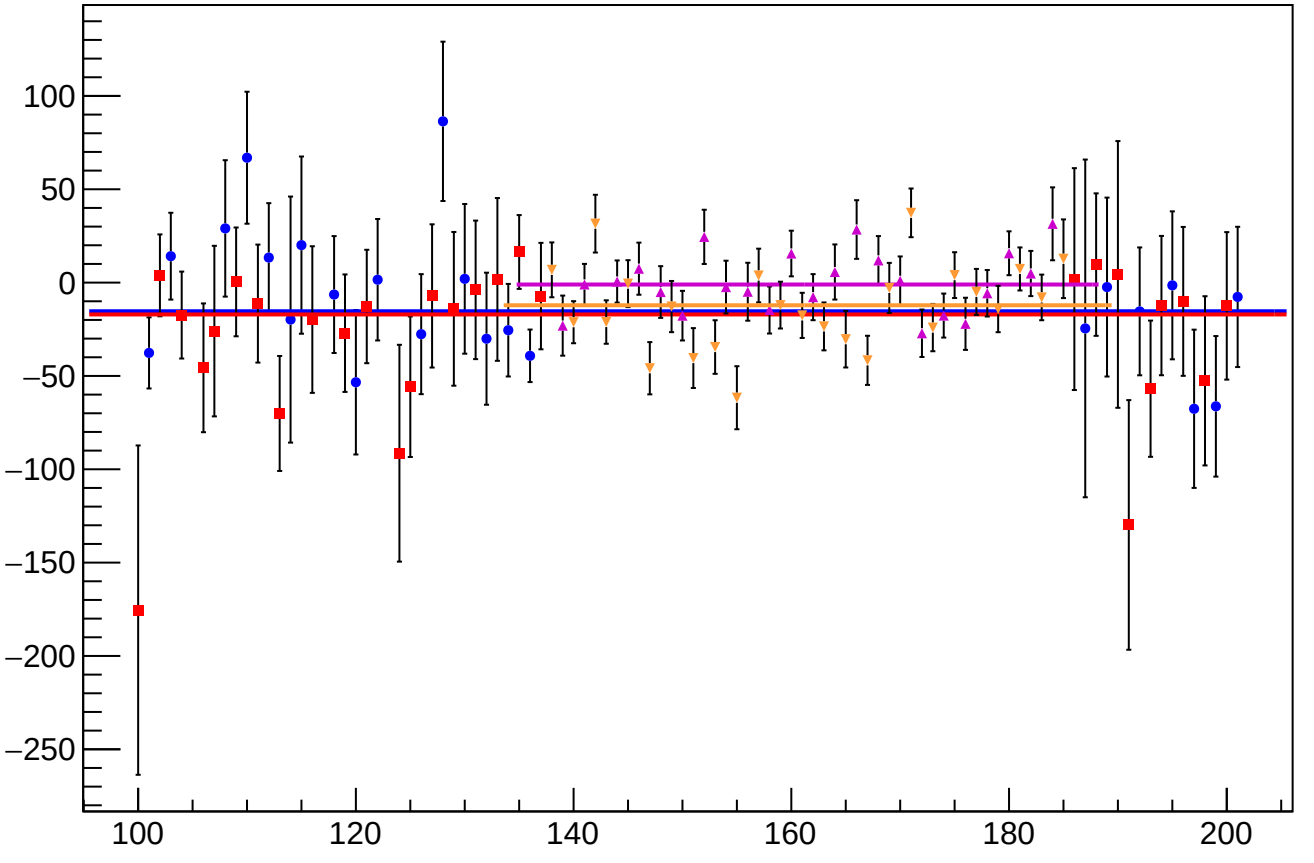
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1910.711+/-0.249 χ^2/NDF: 4091373.6/47

All: 1897.116+/-0.175 χ^2/NDF: 8712697.8/98

- sign 1883.924+/-0.245 χ^2/NDF: 4615457.0/50

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: -17.061+/-6.555 χ^2/NDF: 19.8/27

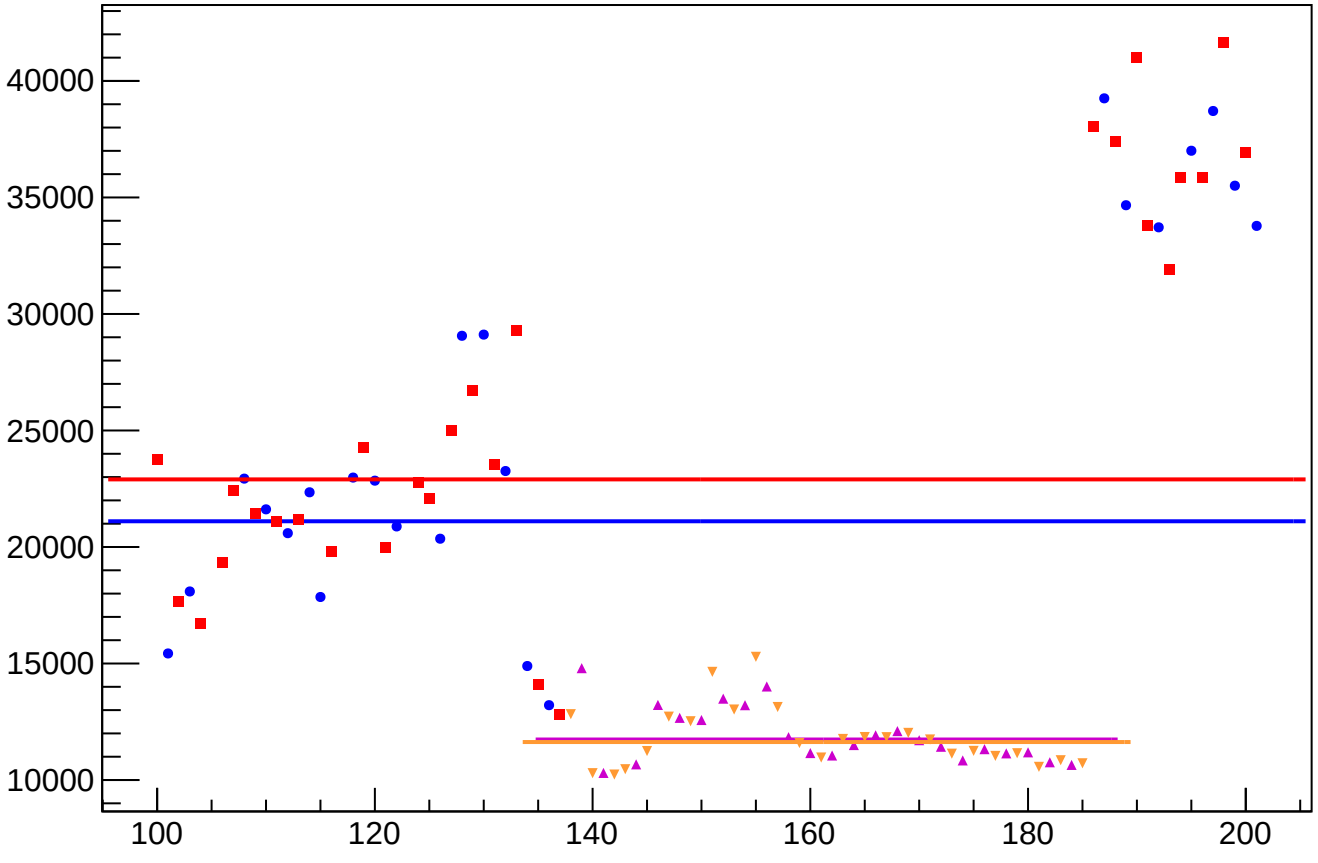
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.606+/-2.458 χ^2/NDF: 88.4/47

All: -8.174+/-1.767 χ^2/NDF: 148.8/98

- sign -3.435+/-2.542 χ^2/NDF: 53.7/50

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: 22901.167+/-4.635 χ^2/NDF: 2809525.9/27

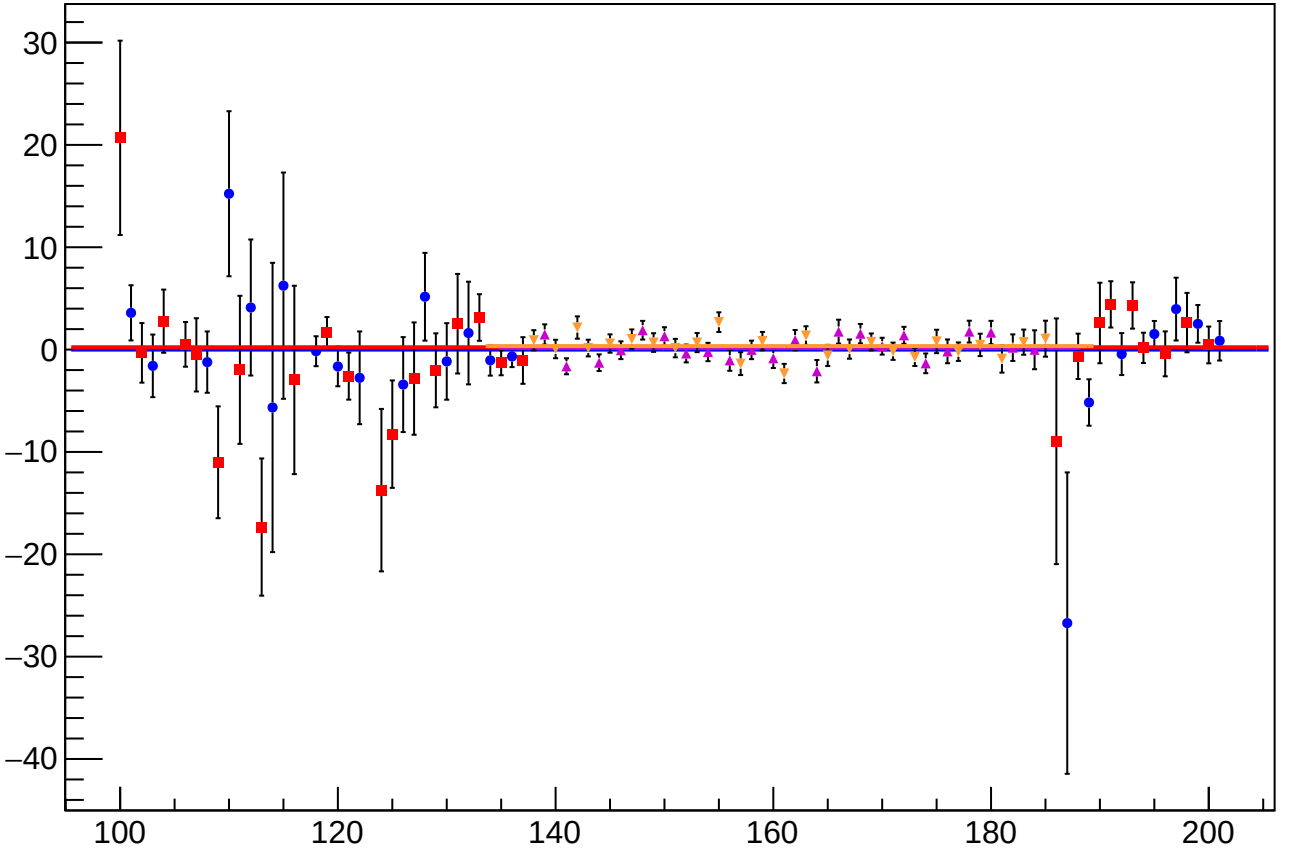
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 13019.757+/-1.738 χ^2/NDF: 6924736.7/47

All: 13211.691+/-1.249 χ^2/NDF: 15001166.8

- sign 13416.902+/-1.797 χ^2/NDF: 8051201.2/50

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: 0.227+/-0.485 χ^2/NDF: 37.8/27

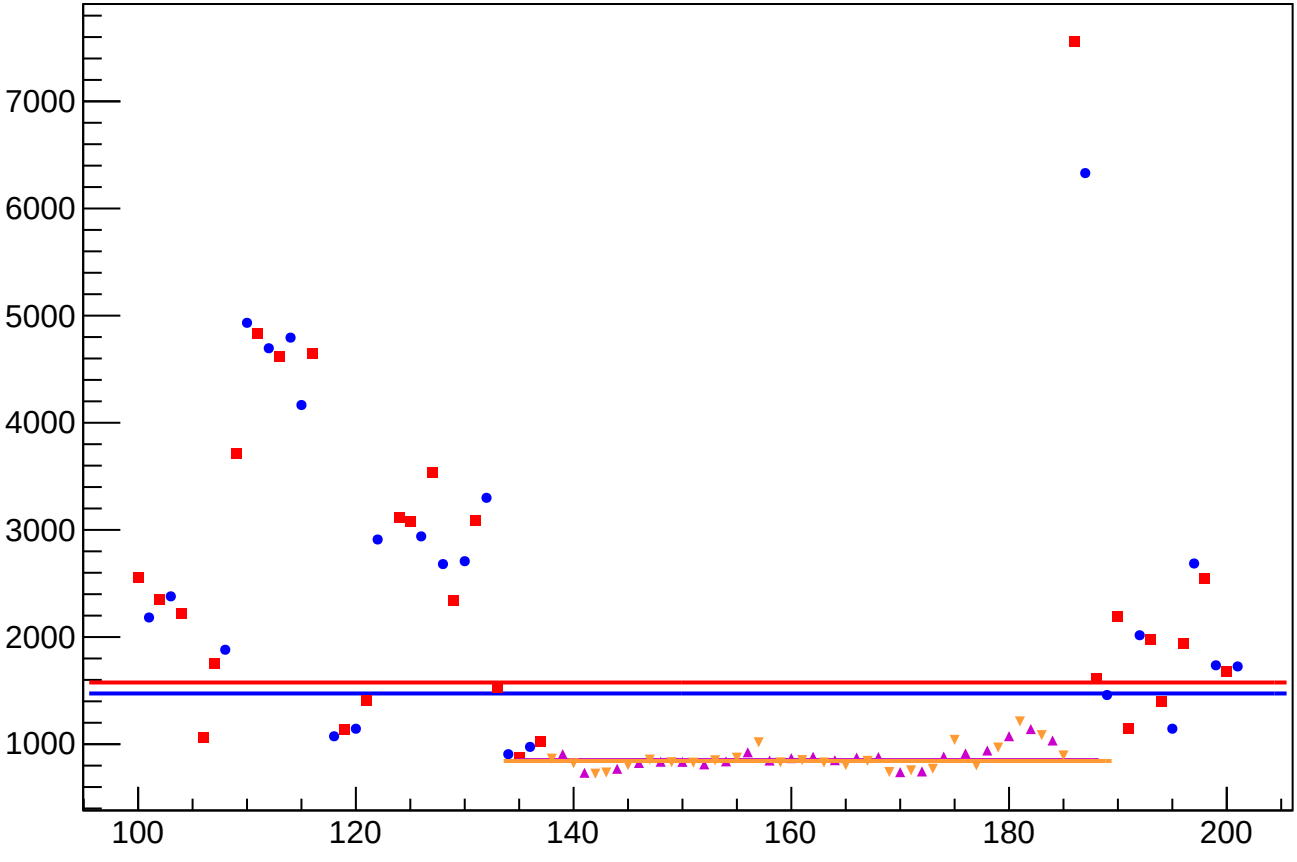
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.293+/-0.179 χ^2/NDF: 51.8/47

All: 0.236+/-0.129 χ^2/NDF: 126.2/98

- sign 0.174+/-0.186 χ^2/NDF: 74.2/50

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: 1575.813+/-0.343 χ^2/NDF: 4437612.9/27

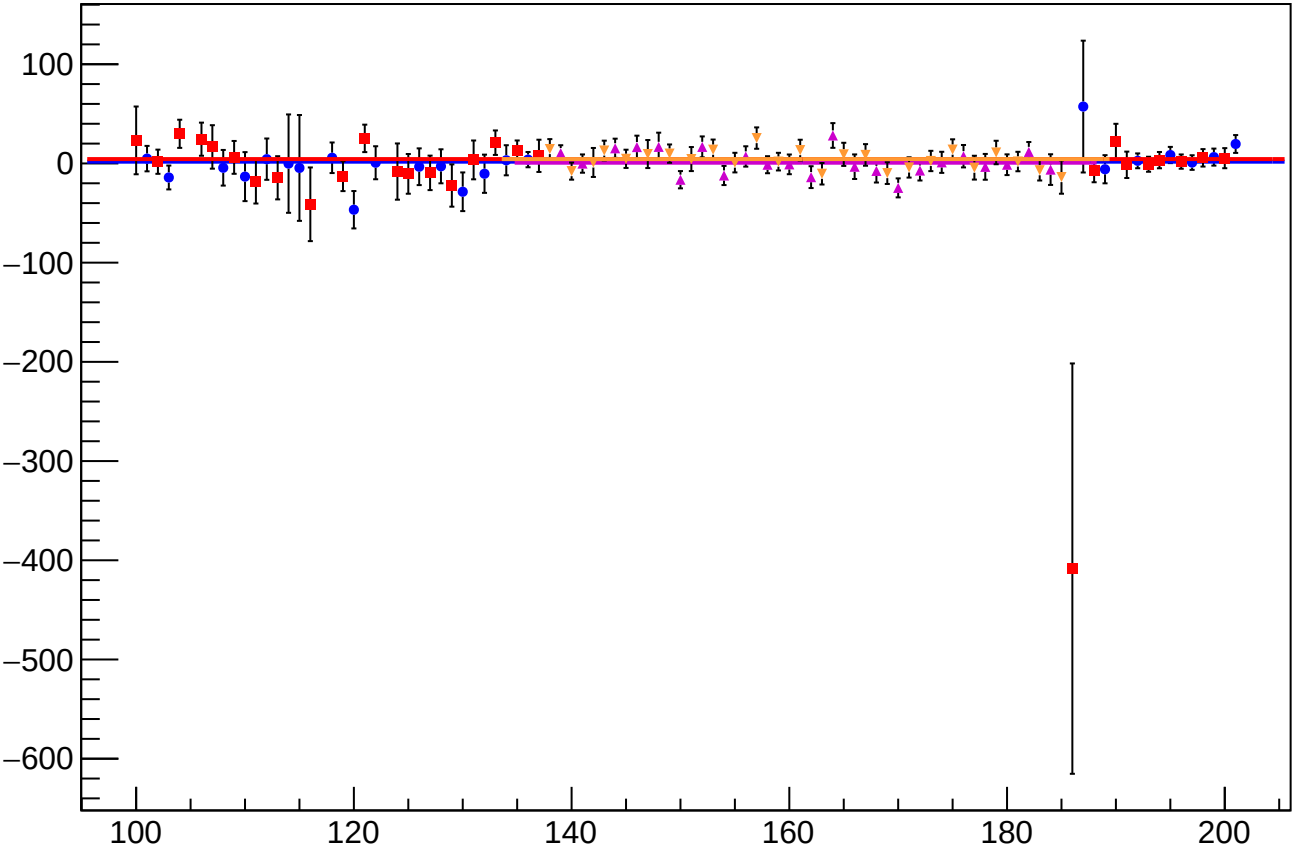
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 934.332+/-0.127 χ^2/NDF: 7857697.0/47

All: 945.522+/-0.091 χ^2/NDF: 16495797.1/98

- sign 957.525+/-0.131 χ^2/NDF: 8621938.2/50

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: 4.397+/-2.507 χ^2/NDF: 24.6/27

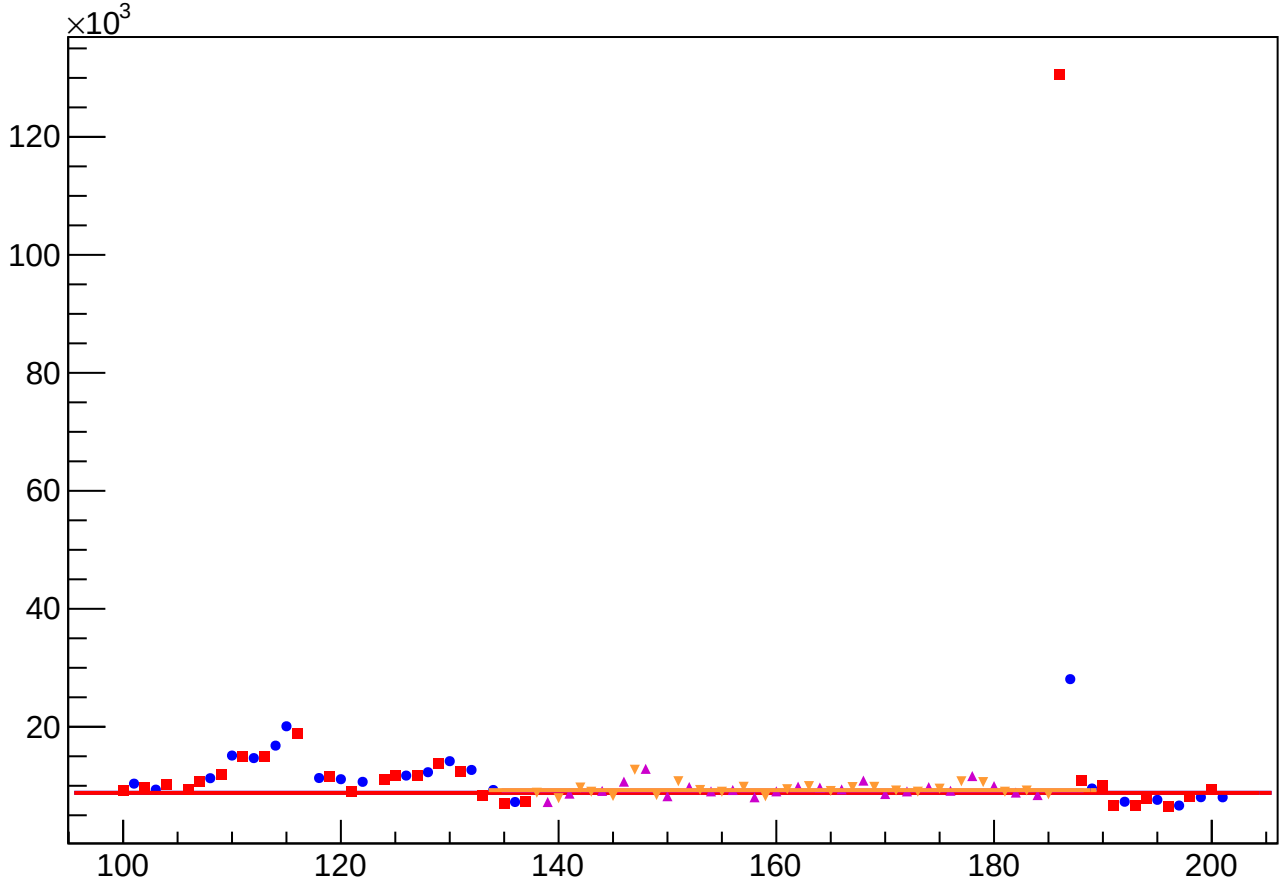
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 3.345+/-1.646 χ^2/NDF: 37.2/47

All: 2.822+/-1.162 χ^2/NDF: 95.2/98

- sign 2.303+/-1.641 χ^2/NDF: 57.8/50

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: 8795.368+/-1.773 χ^2/NDF: 2268483.0/27

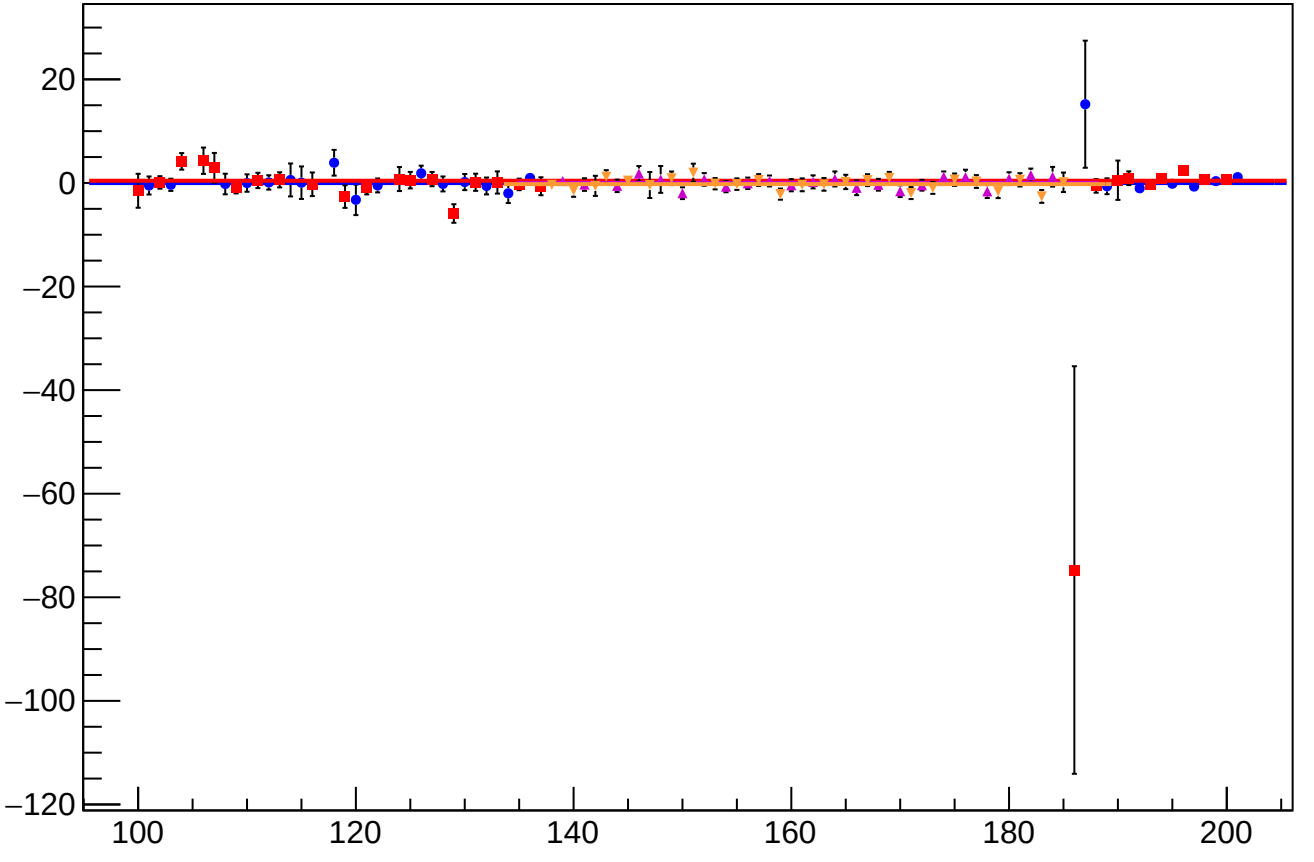
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9081.808+/-1.164 χ^2/NDF: 1962318.7/47

All: 9053.994+/-0.822 χ^2/NDF: 4777148.9/98

- sign 9026.361+/-1.160 χ^2/NDF: 2813692.2/50

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: 0.427+/-0.251 χ^2/NDF: 37.8/27

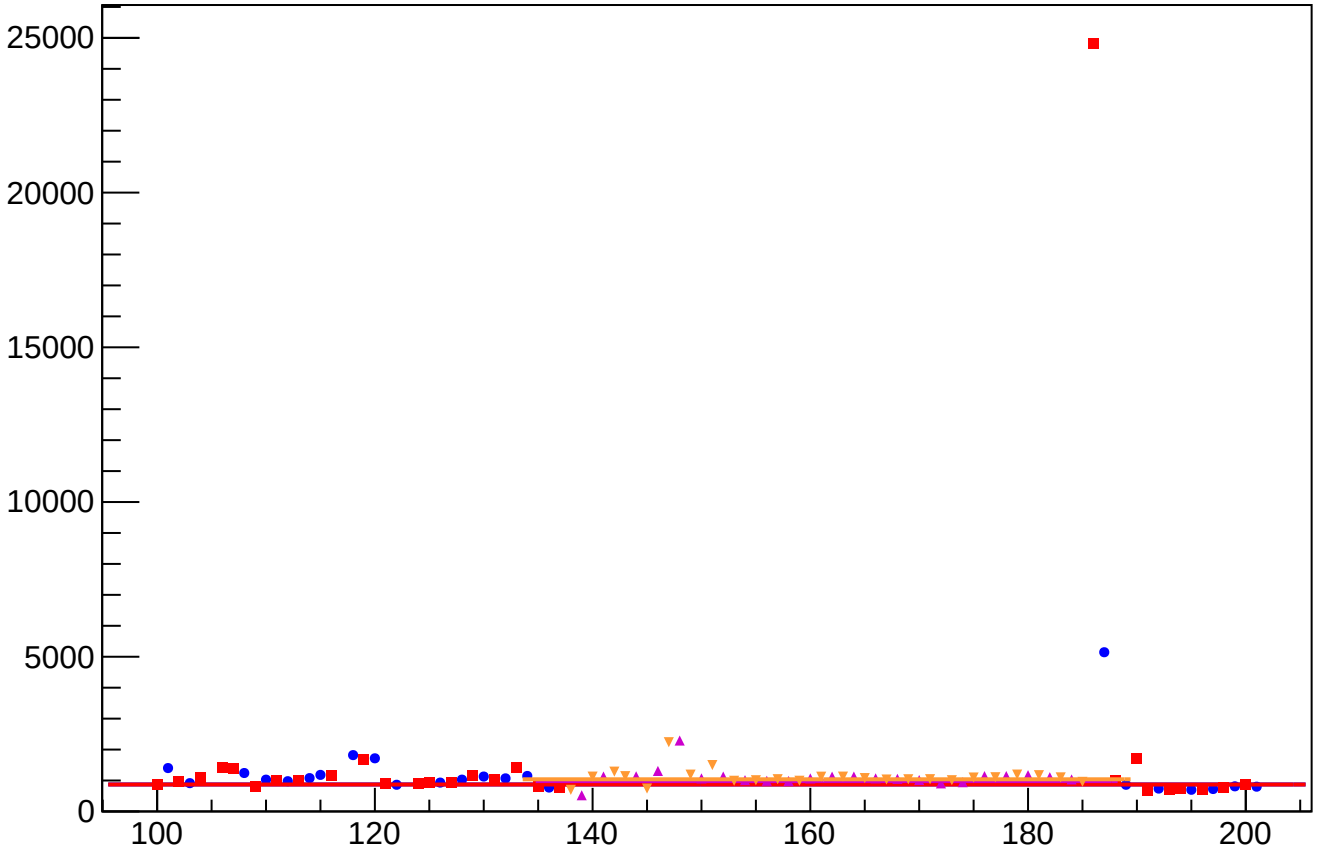
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.134+/-0.178 χ^2/NDF: 33.7/47

All: 0.046+/-0.124 χ^2/NDF: 90.1/98

- sign 0.216+/-0.173 χ^2/NDF: 54.4/50

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: 870.799+/-0.177 χ^2/NDF: 1936440.8/27

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 961.450+/-0.126 χ^2/NDF: 3228141.0/47

All: 944.748+/-0.088 χ^2/NDF: 7628903.6/98

- sign 928.891+/-0.122 χ^2/NDF: 4366288.9/50

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: 125.392+/-0.000 χ^2/NDF: 774180750882655.4/27

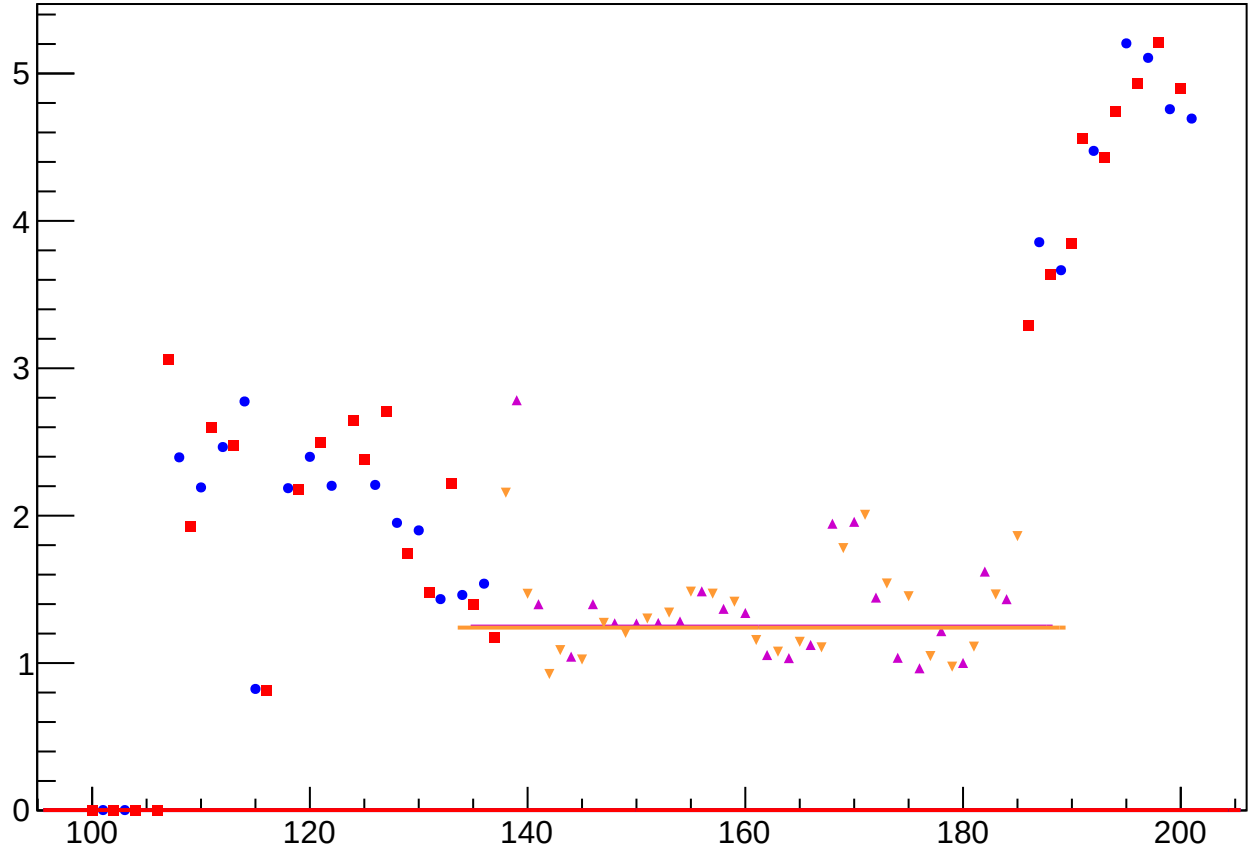
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 328365445498.8/4

All: 131.810+/-0.000 χ^2/NDF: 79350183901

- sign 125.385+/-0.000 χ^2/NDF: 774394403888539

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: 21783777.0/27

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: 102351820.7/98

- sign 0.003+/-0.000 χ^2/NDF: 51550857.7/50

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: 104.221+/-0.000 χ^2/NDF: 1257534501147965.8/27

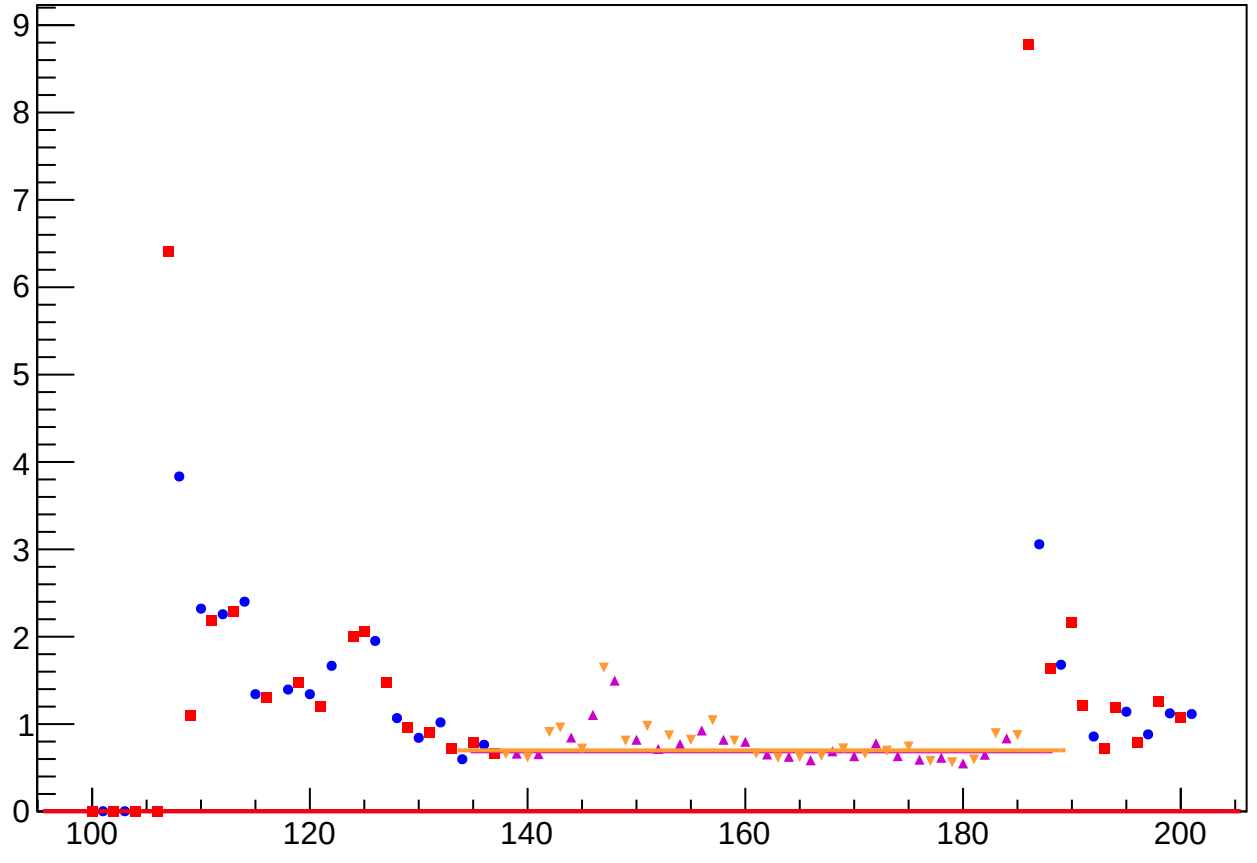
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.103+/-0.000 χ^2/NDF: 1638965319346.4

All: 120.797+/-0.000 χ^2/NDF: 13832803208

- sign 104.195+/-0.000 χ^2/NDF: 125839152692431

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

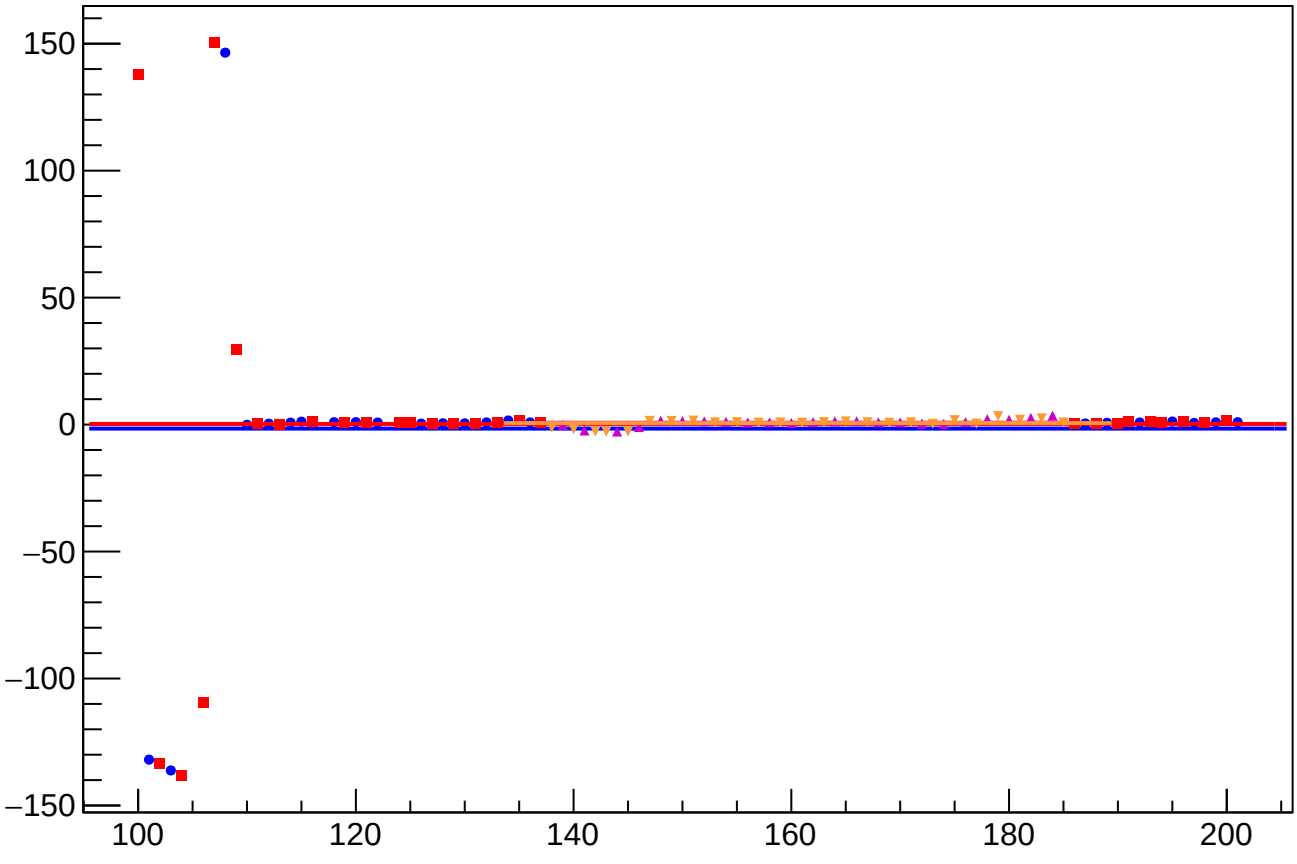
Right Out: 0.003+/-0.000 χ^2/NDF: 20782192.3/27

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: 103704076.4/98

- sign 0.003+/-0.000 χ^2/NDF: 52090833.0/50



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: 0.256+/-0.000 χ^2/NDF: 3612445137.8/27

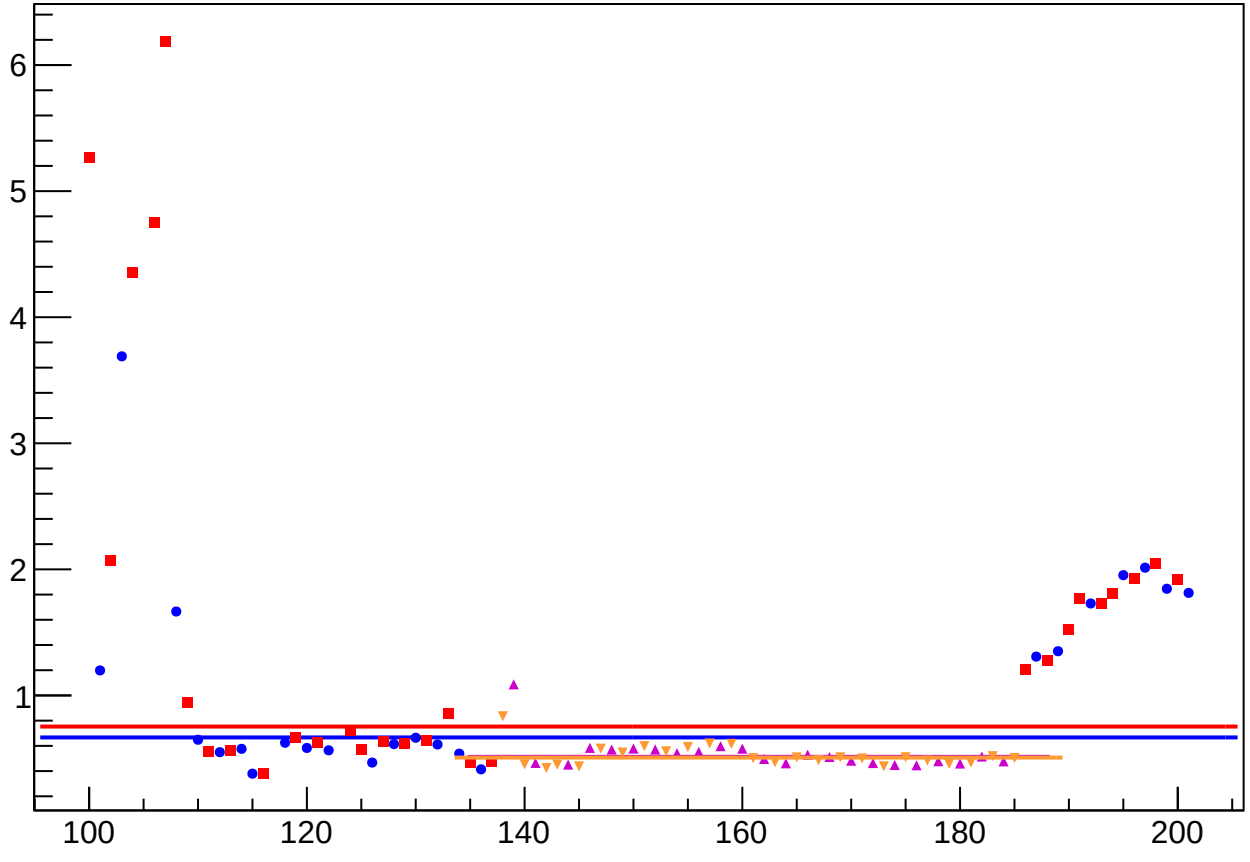
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.089+/-0.000 χ^2/NDF: 10115520437.5/47

All: 0.346+/-0.000 χ^2/NDF: 13846771113.9/9

- sign 0.629+/-0.000 χ^2/NDF: 3720344932.0/50

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: 0.753+/-0.000 χ^2/NDF: 6775766.7/27

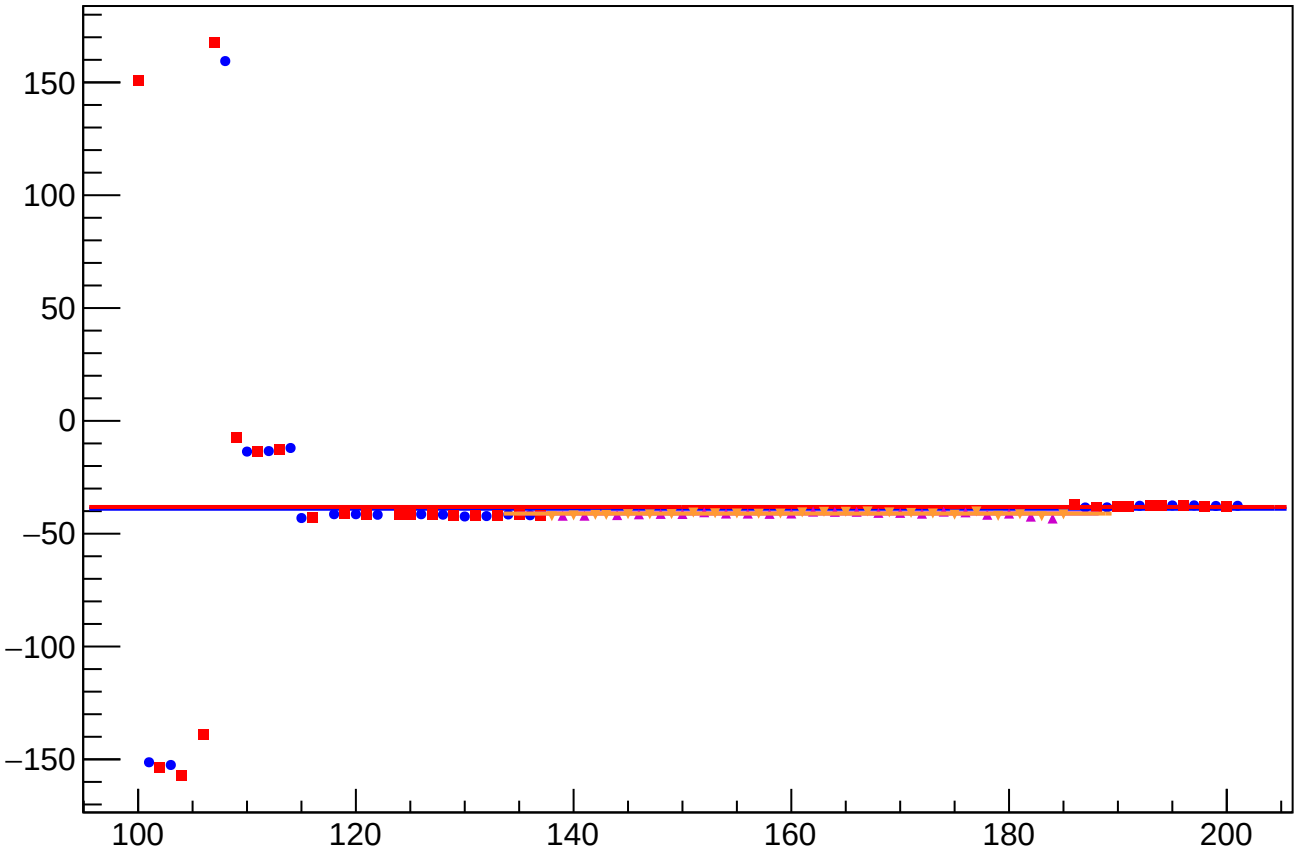
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.543+/-0.000 χ^2/NDF: 7102576.7/47

All: 0.554+/-0.000 χ^2/NDF: 16078667.4/98

- sign 0.565+/-0.000 χ^2/NDF: 8939680.4/50

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: -38.157+/-0.000 χ^2/NDF: 2507677101.7/27

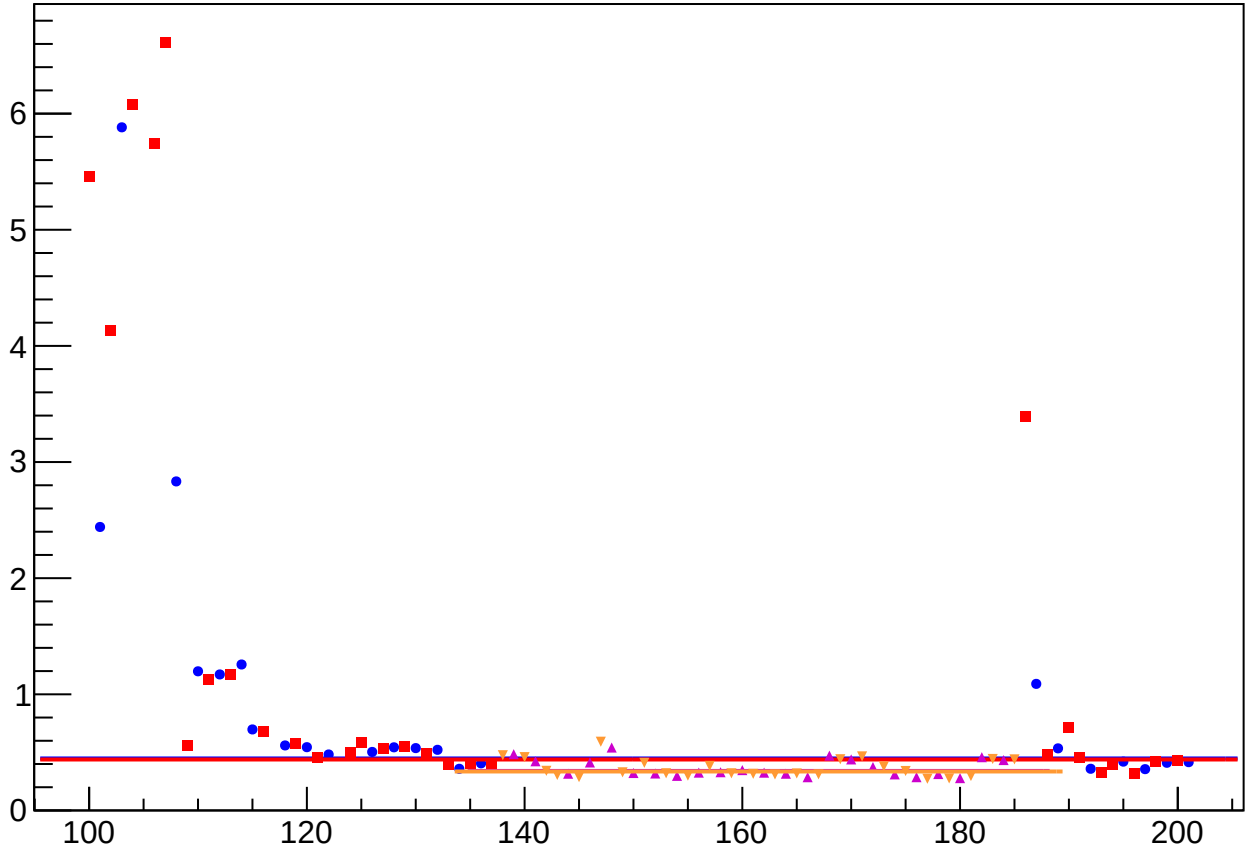
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.598+/-0.000 χ^2/NDF: 3804913286.5/47

All: -40.435+/-0.000 χ^2/NDF: 6692468864.7/

- sign -40.267+/-0.000 χ^2/NDF: 2876592470.8/50

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

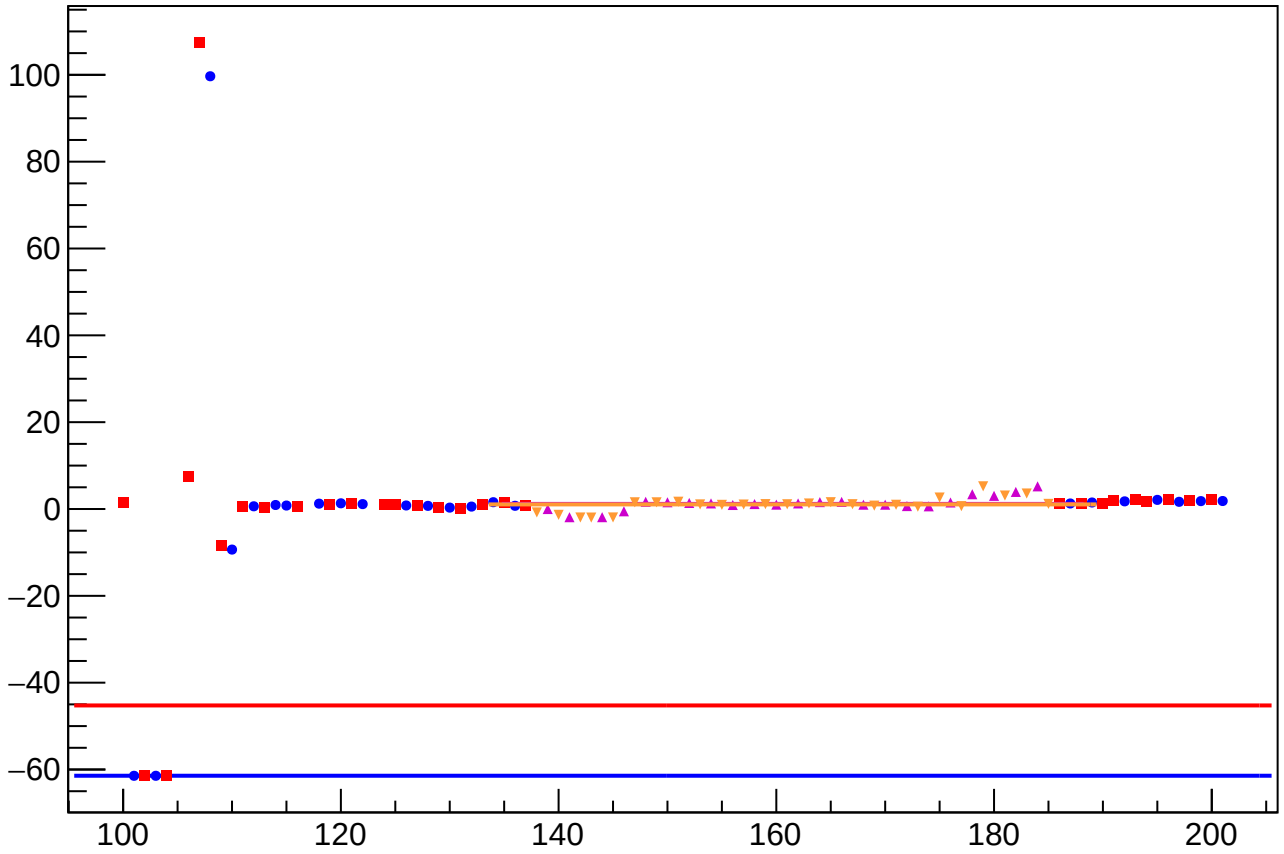
Right Out: 0.439+/-0.000 χ^2/NDF: 4607026.0/27

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.361+/-0.000 χ^2/NDF: 5690541.7/47

All: 0.364+/-0.000 χ^2/NDF: 12115488.9/98

- sign 0.366+/-0.000 χ^2/NDF: 6420032.2/50



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: 357876746435497.2/27

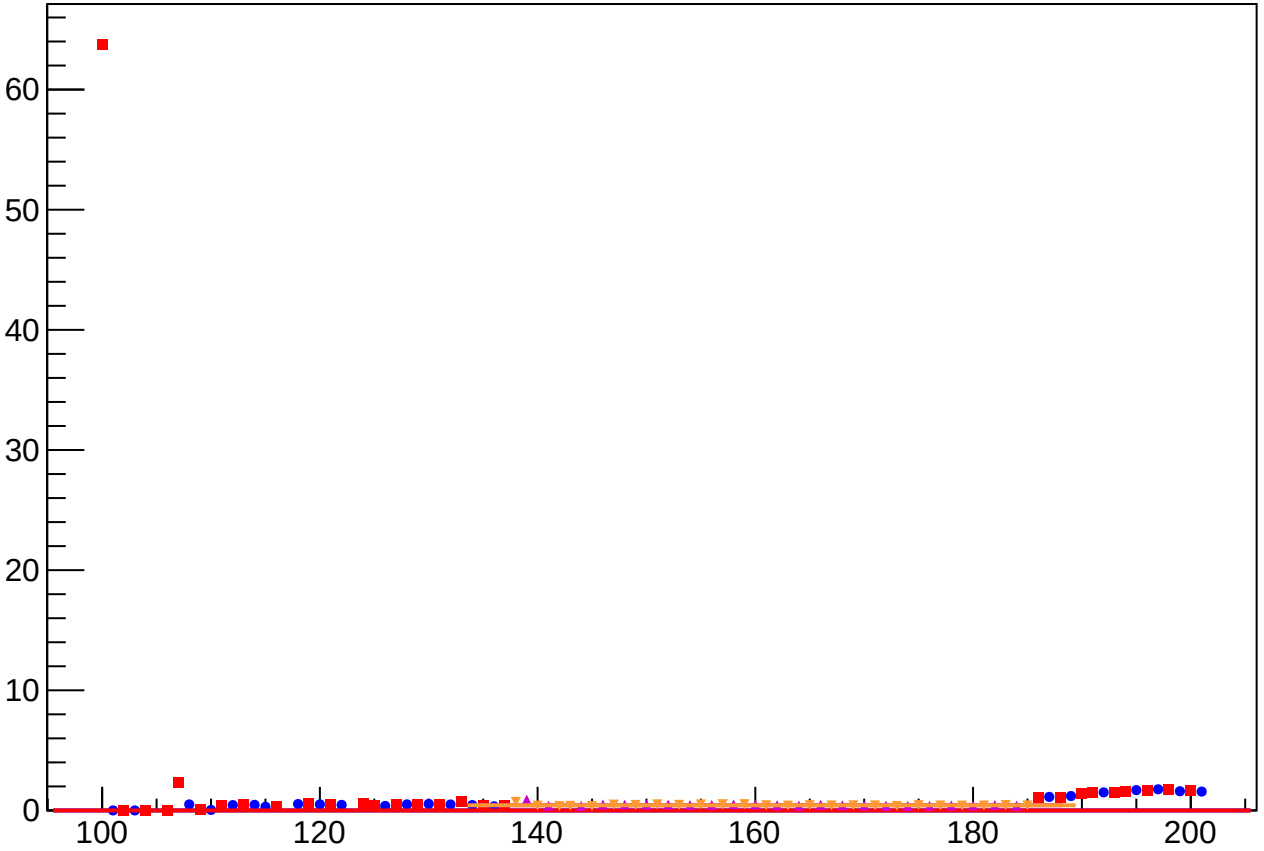
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 612001112550.9/4

All: -52.738+/-0.000 χ^2/NDF: 409606286483

- sign -45.236+/-0.000 χ^2/NDF: 358043311020882.

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

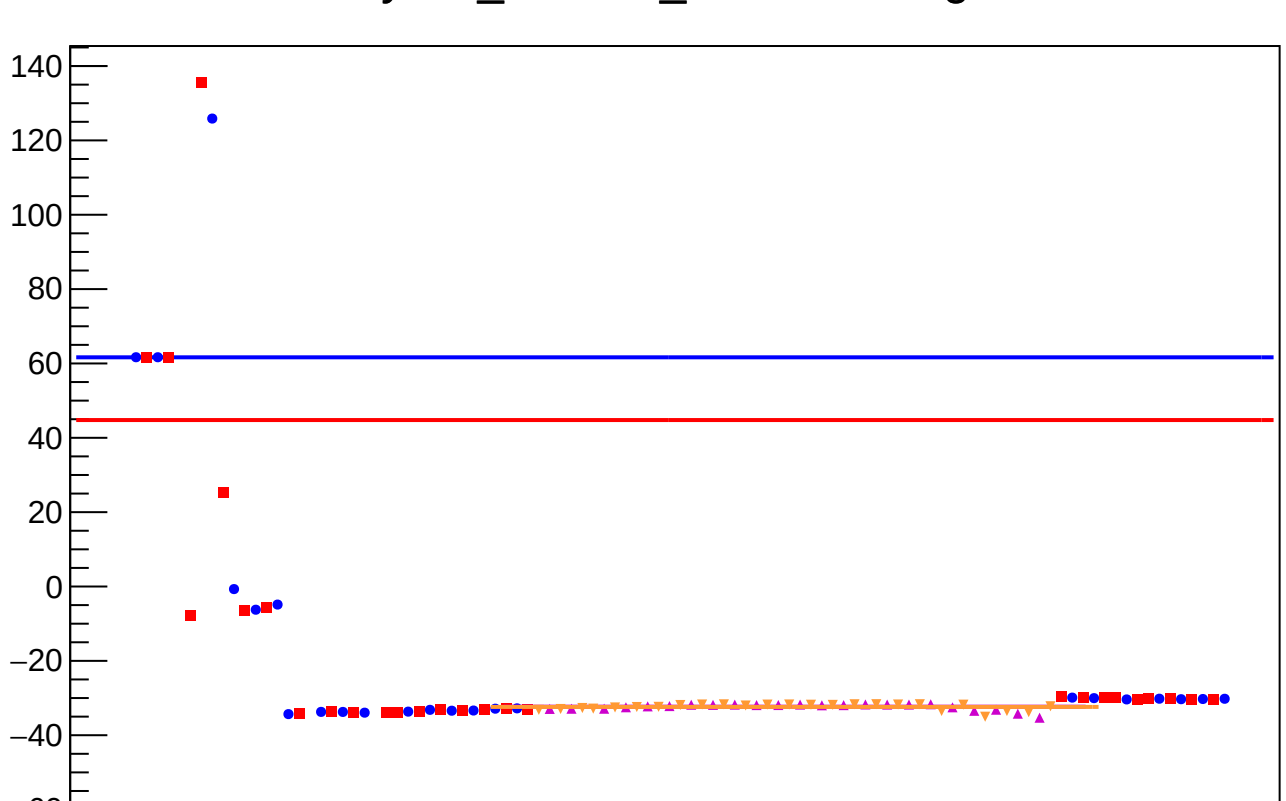
Right Out: 0.001+/-0.000 χ^2/NDF: 21395216.2/27

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: 102366637.5/98

- sign 0.002+/-0.000 χ^2/NDF: 51537229.9/50



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: 44.776+/-0.000 χ^2/NDF: 366369672882990.9/27

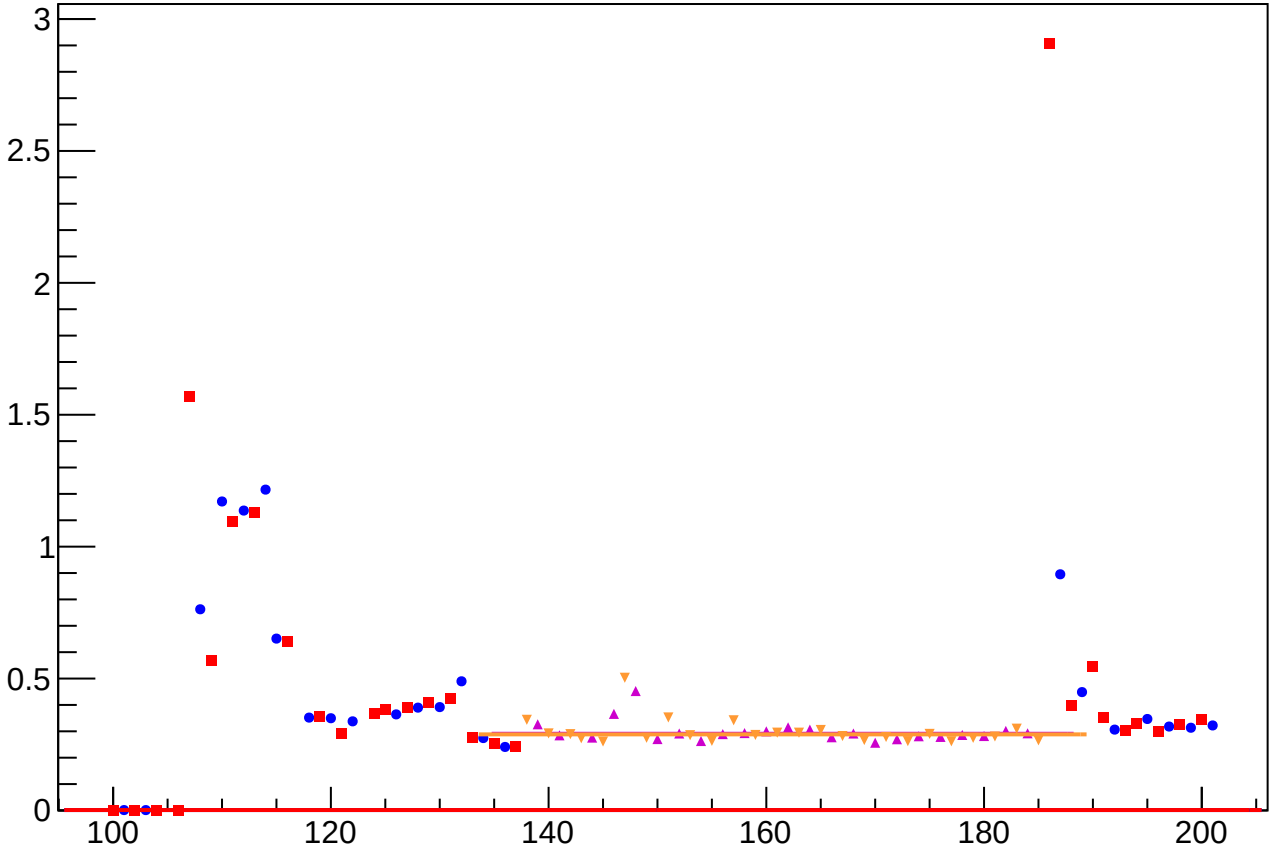
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.588+/-0.000 χ^2/NDF: 2695946565260.2/4

All: 52.627+/-0.000 χ^2/NDF: 421298255609

- sign 44.734+/-0.000 χ^2/NDF: 367597184653899.2

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: 22374023.5/27

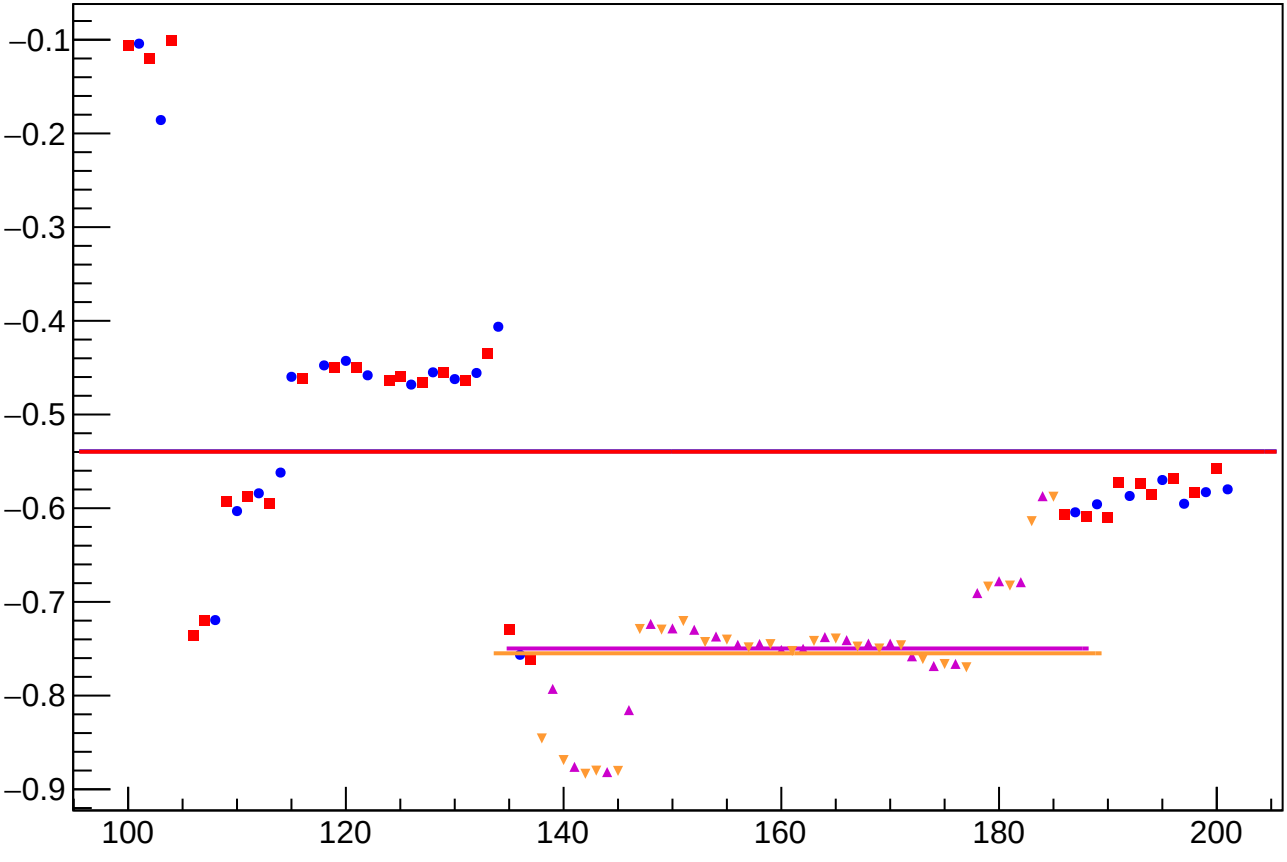
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 57629024.9/47

All: 0.002+/-0.000 χ^2/NDF: 114901261.4/98

- sign 0.002+/-0.000 χ^2/NDF: 57272174.7/50

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: 218874639.3/27

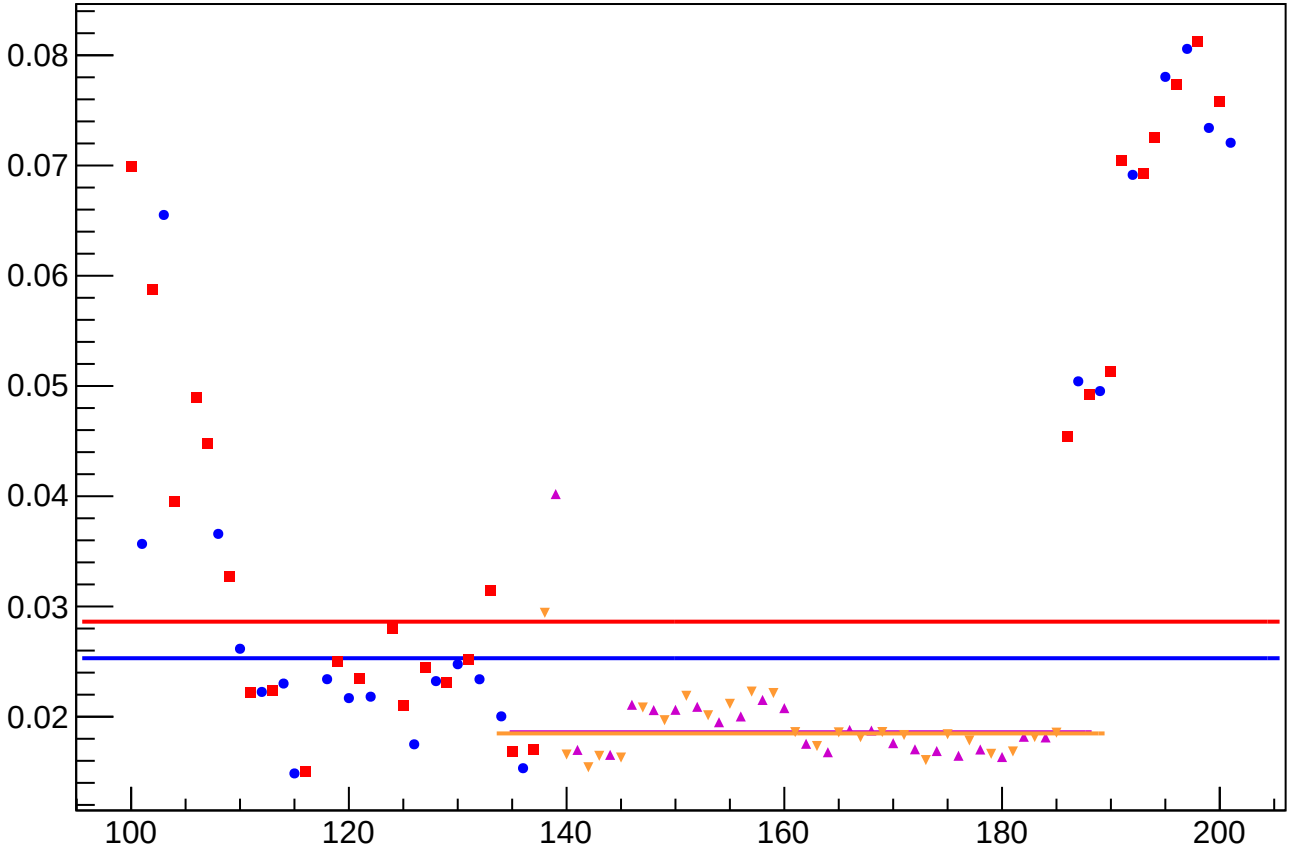
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.708+/-0.000 χ^2/NDF: 977397078.5/47

All: -0.707+/-0.000 χ^2/NDF: 1735543838.4/9

- sign -0.705+/-0.000 χ^2/NDF: 757894134.6/50

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: 5696401.1/27

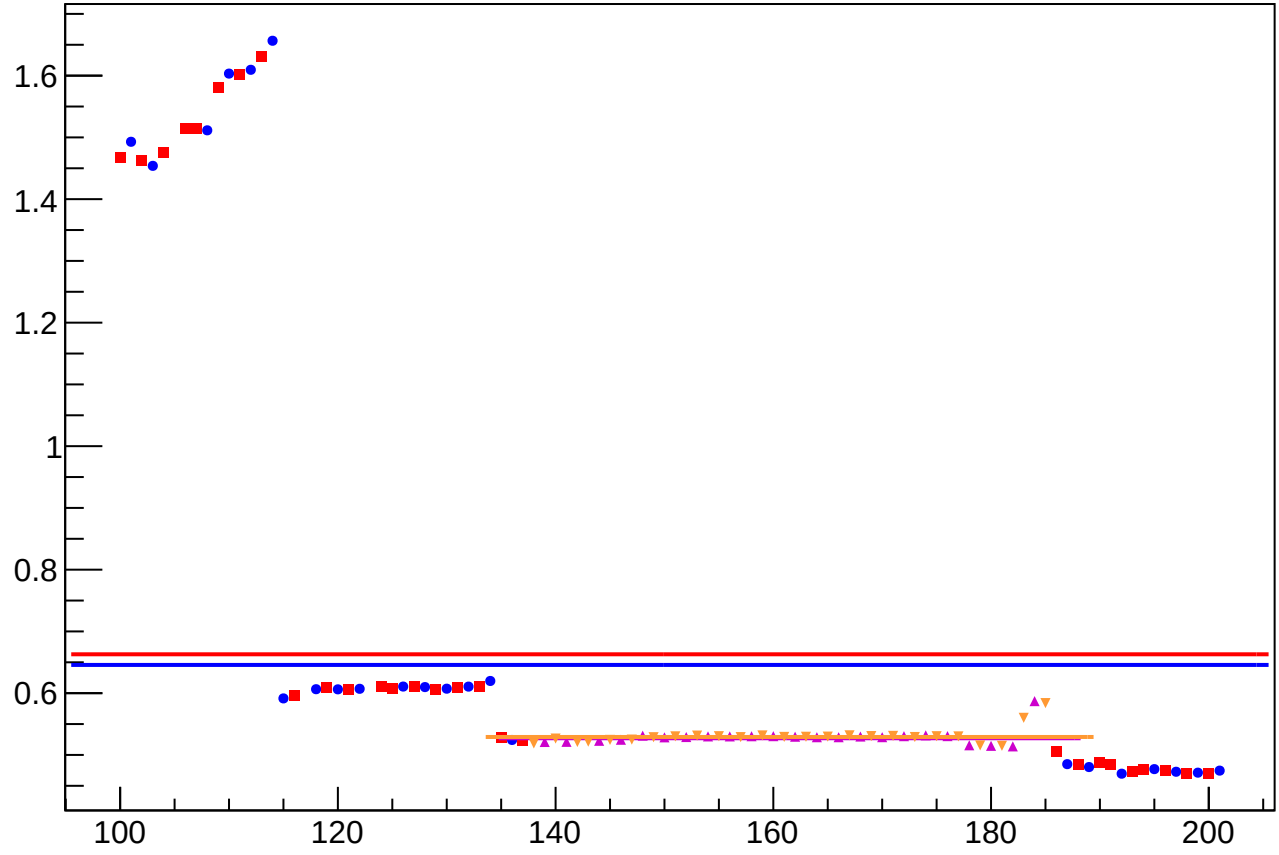
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 6965869.1/47

All: 0.020+/-0.000 χ^2/NDF: 15249970.9/98

- sign 0.021+/-0.000 χ^2/NDF: 8251688.3/50

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: 0.663+/-0.000 χ^2/NDF: 6224582801.3/27

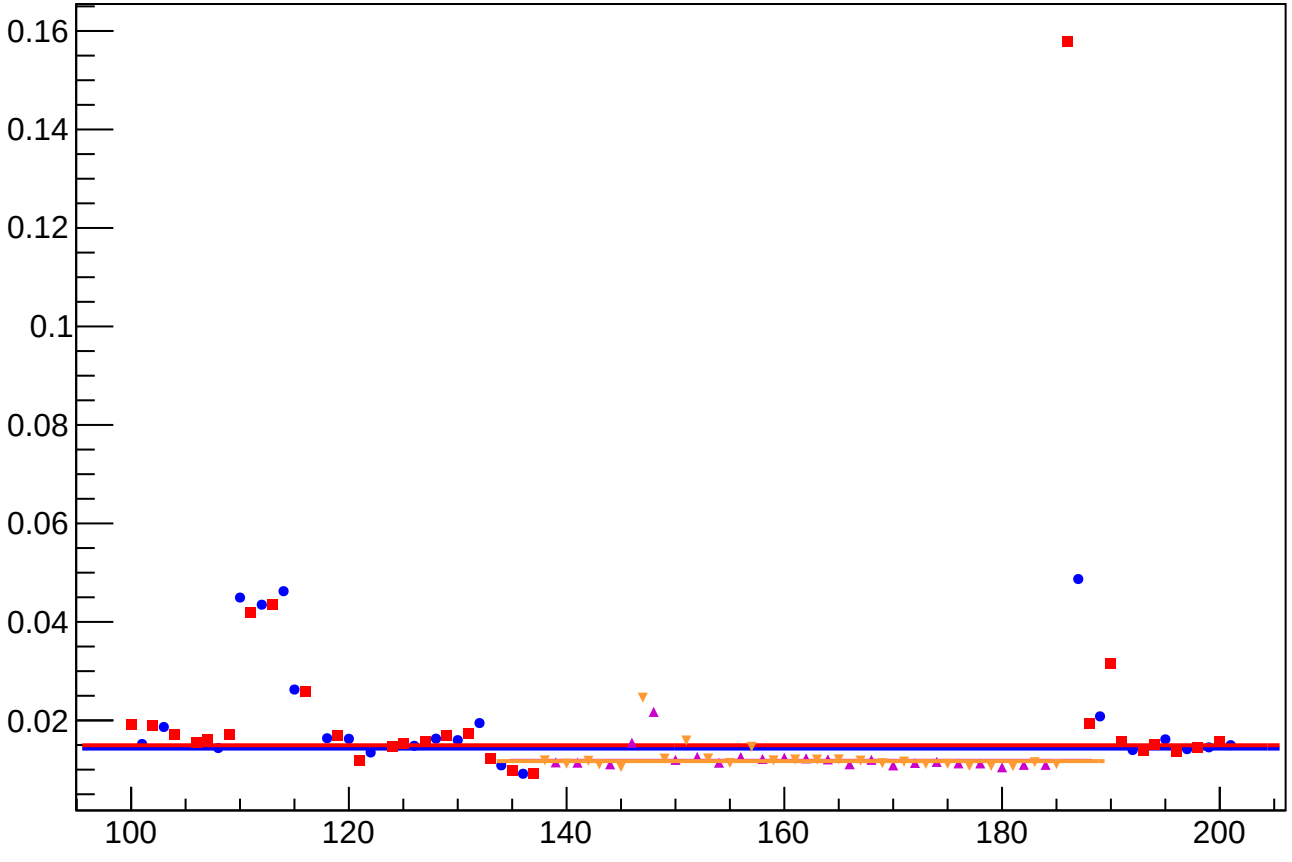
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.562+/-0.000 χ^2/NDF: 5849469251.5/47

All: 0.564+/-0.000 χ^2/NDF: 12774434974.6/9

- sign 0.567+/-0.000 χ^2/NDF: 6922513899.8/50

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: 2382071.3/27

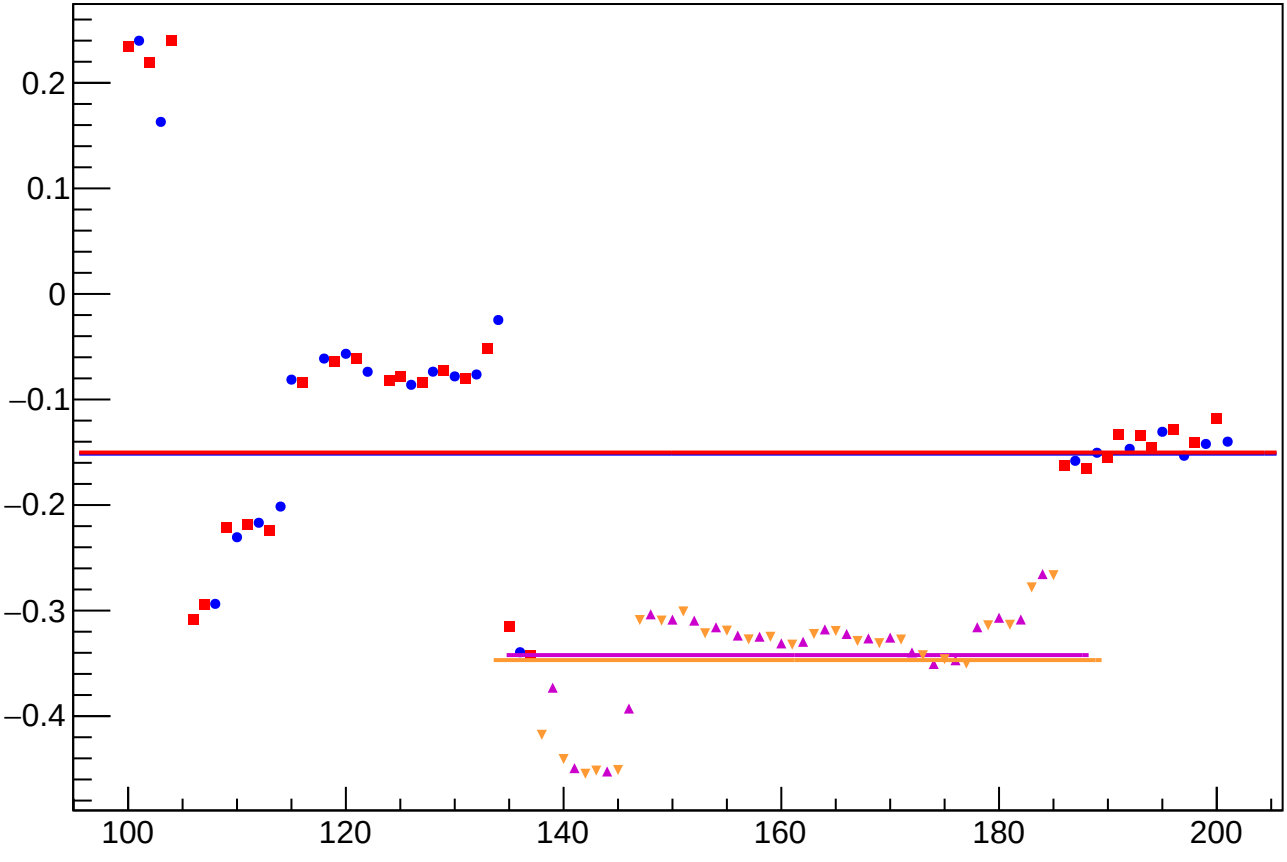
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 3149192.8/47

All: 0.013+/-0.000 χ^2/NDF: 6804210.0/98

- sign 0.013+/-0.000 χ^2/NDF: 3641536.2/50

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: 199835717.5/27

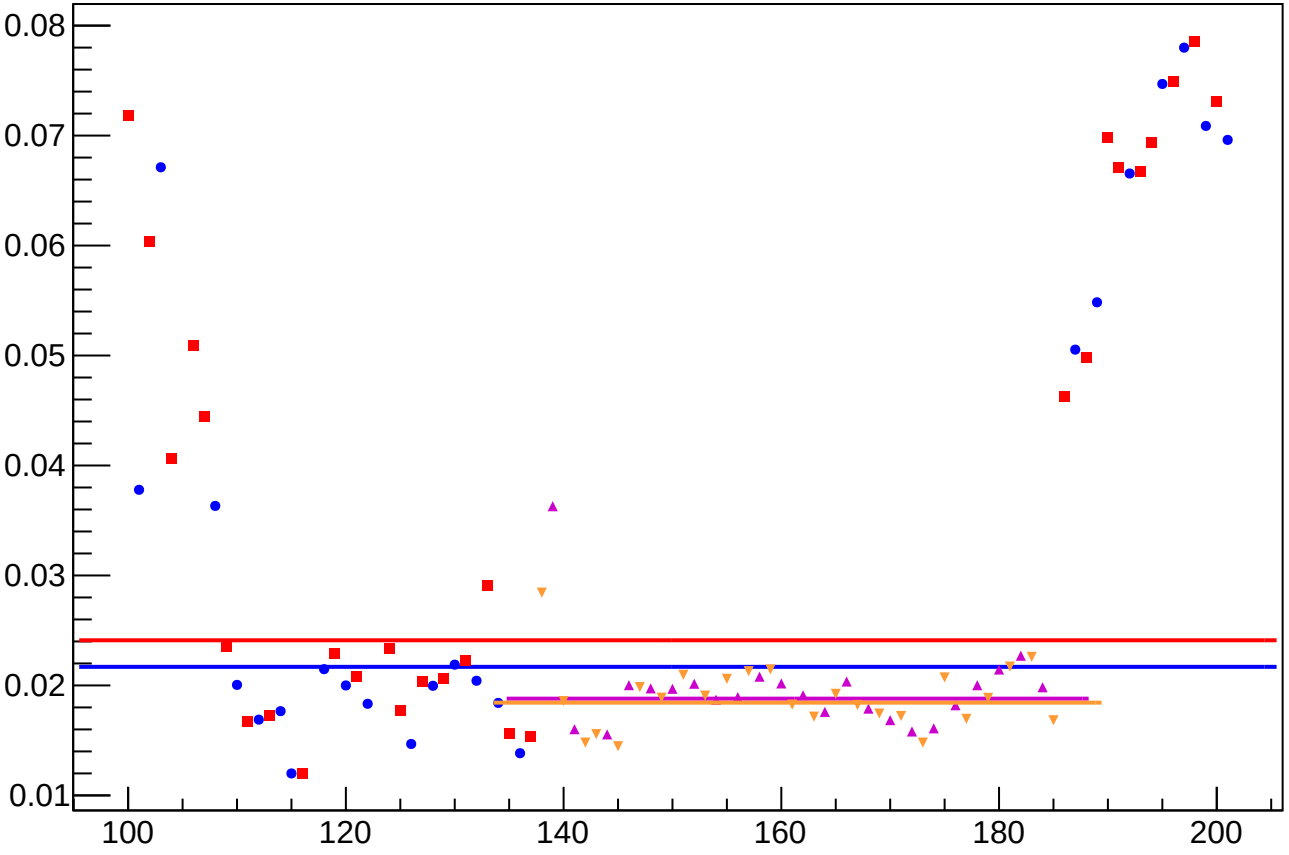
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.296+/-0.000 χ^2/NDF: 868738337.4/47

All: -0.294+/-0.000 χ^2/NDF: 1569173472.6/9

- sign -0.292+/-0.000 χ^2/NDF: 699900325.7/50

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: 0.024+/-0.000 χ^2/NDF: 6882145.8/27

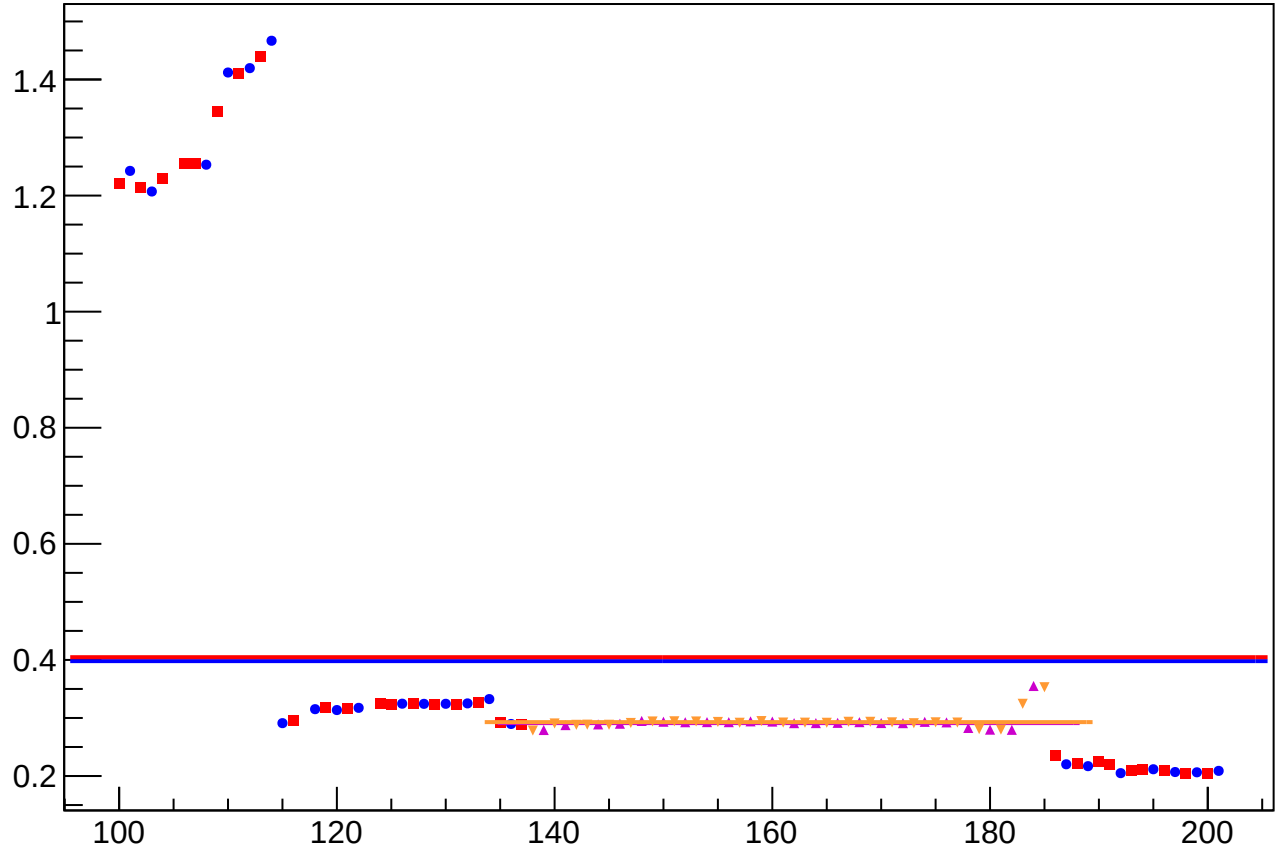
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 7232814.8/47

All: 0.020+/-0.000 χ^2/NDF: 15513320.1/98

- sign 0.020+/-0.000 χ^2/NDF: 8230616.2/50

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: 0.405+/-0.000 χ^2/NDF: 8813368951.4/27

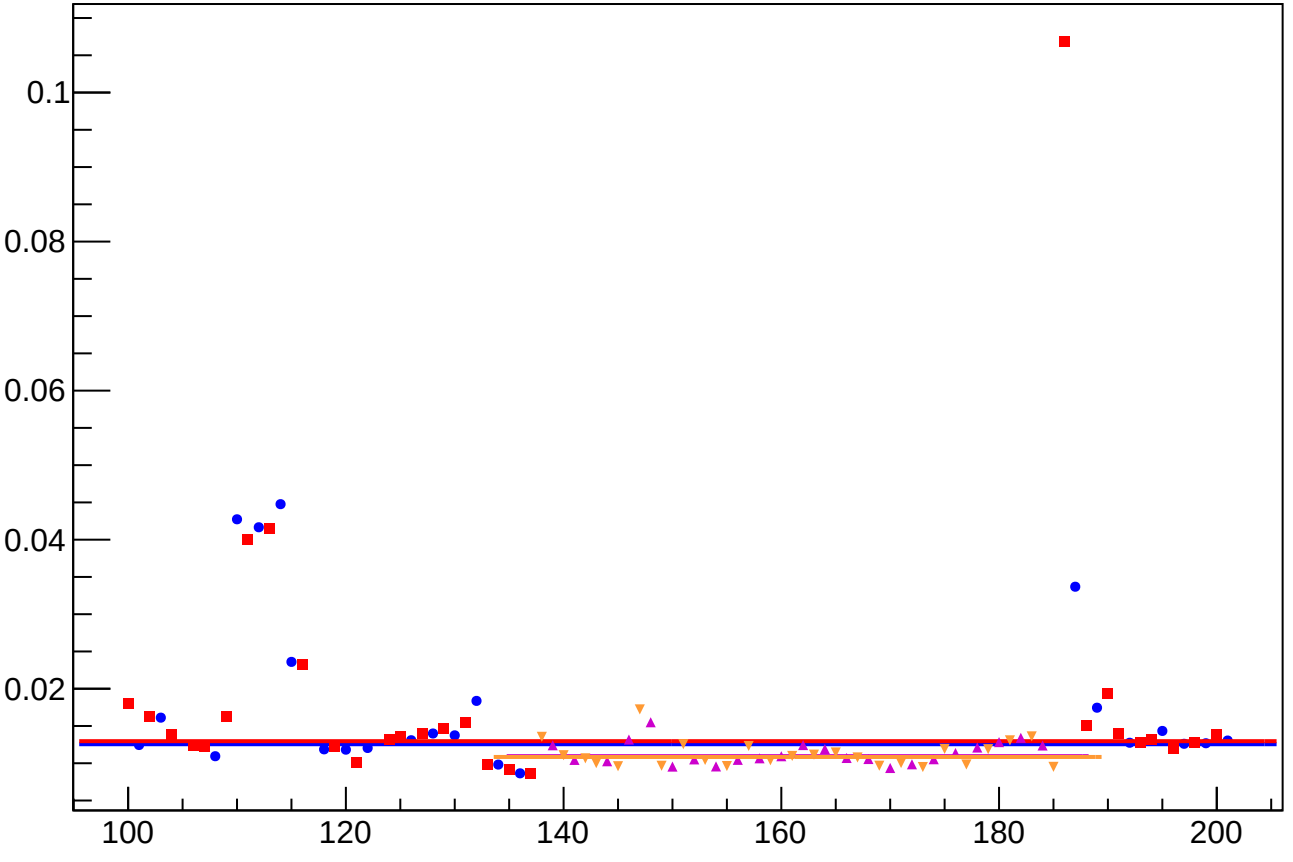
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.325+/-0.000 χ^2/NDF: 8425190111.0/47

All: 0.326+/-0.000 χ^2/NDF: 17856370807.9/9

- sign 0.328+/-0.000 χ^2/NDF: 9429961817.4/50

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: 2164941.9/27

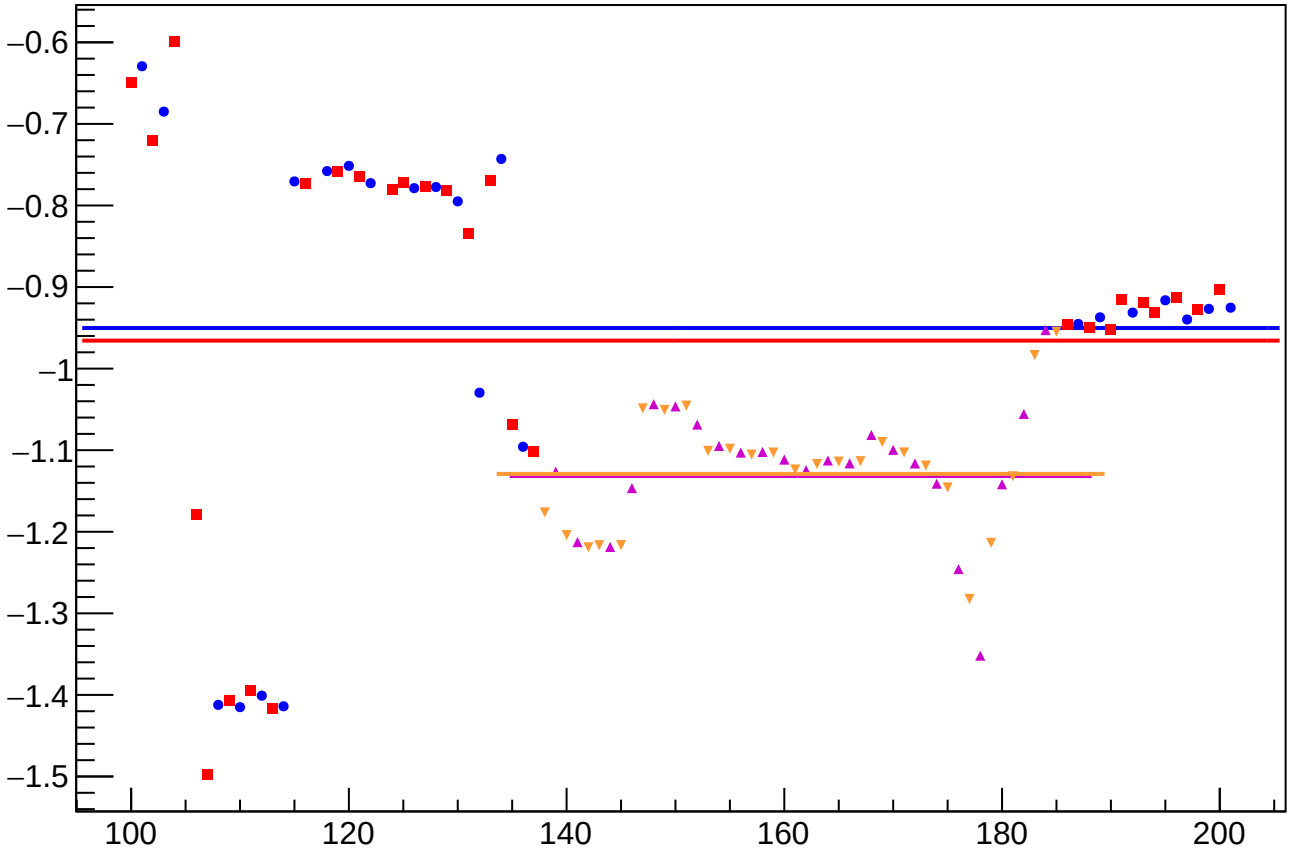
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2696064.9/47

All: 0.011+/-0.000 χ^2/NDF: 5765155.7/98

- sign 0.012+/-0.000 χ^2/NDF: 3055929.9/50

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: -0.966+/-0.000 χ^2/NDF: 716881507.4/27

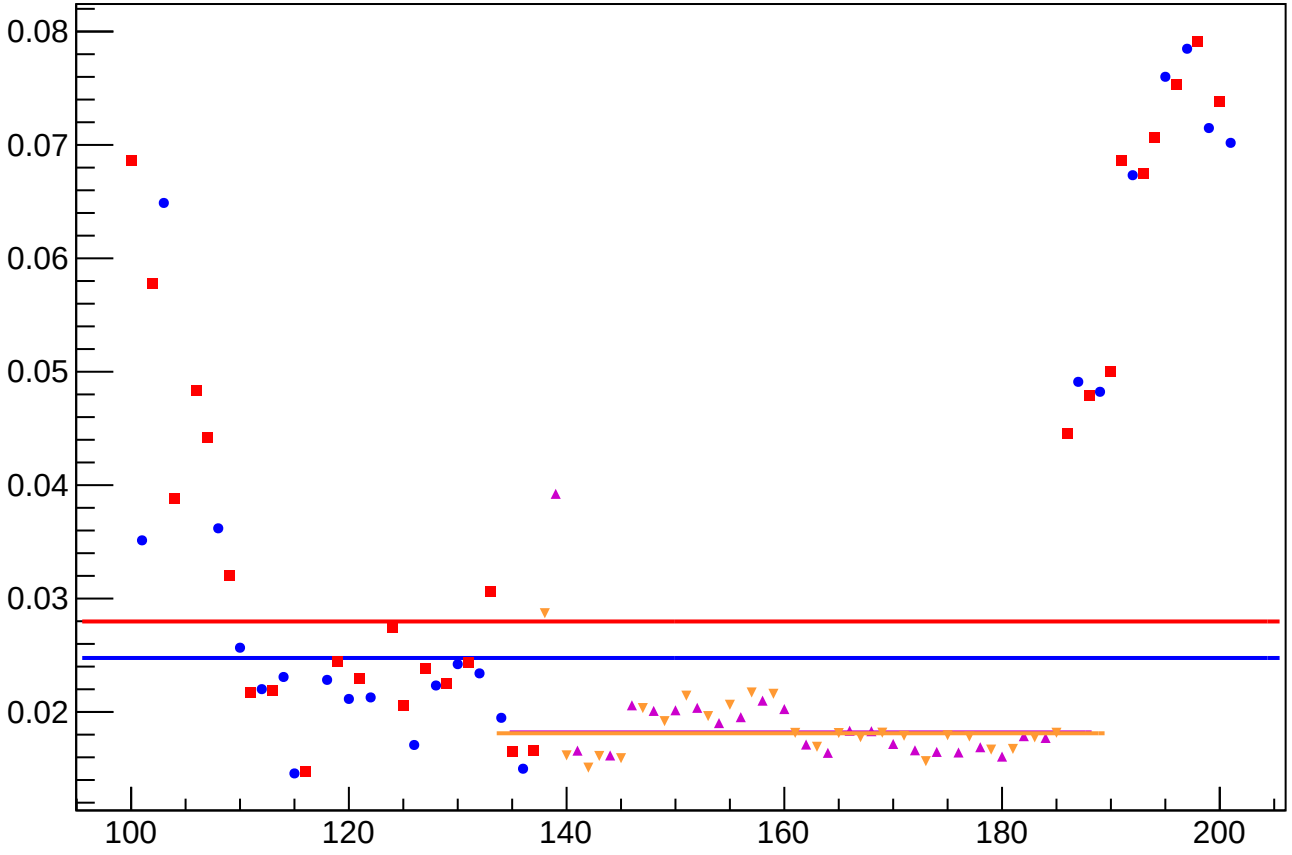
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.090+/-0.000 χ^2/NDF: 1269610396.4/47

All: -1.093+/-0.000 χ^2/NDF: 2507681677.6/9

- sign -1.096+/-0.000 χ^2/NDF: 1236946158.0/50

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: 0.028+/-0.000 χ^2/NDF: 5683252.7/27

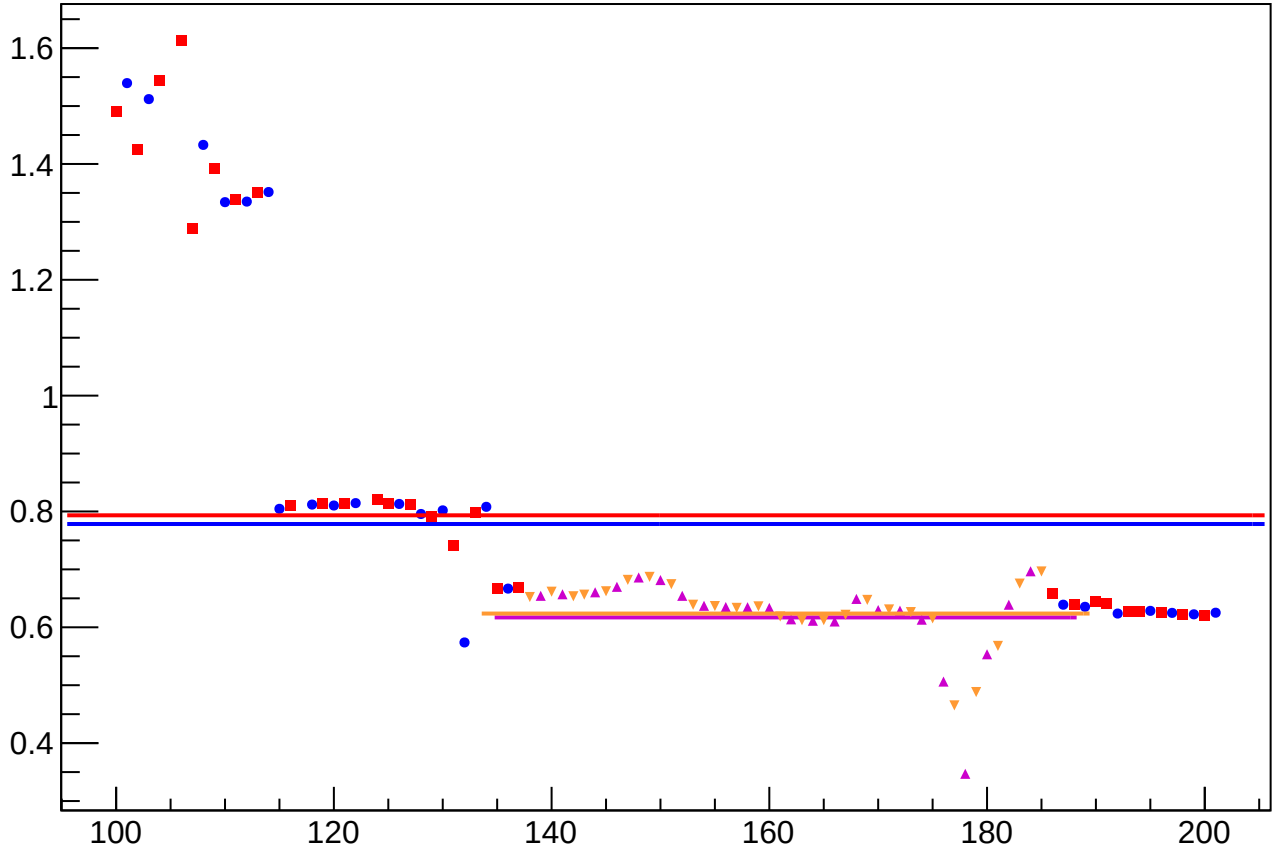
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 6931353.7/47

All: 0.020+/-0.000 χ^2/NDF: 15172978.9/98

- sign 0.020+/-0.000 χ^2/NDF: 8211746.3/50

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: 0.793+/-0.000 χ^2/NDF: 3922278706.8/27

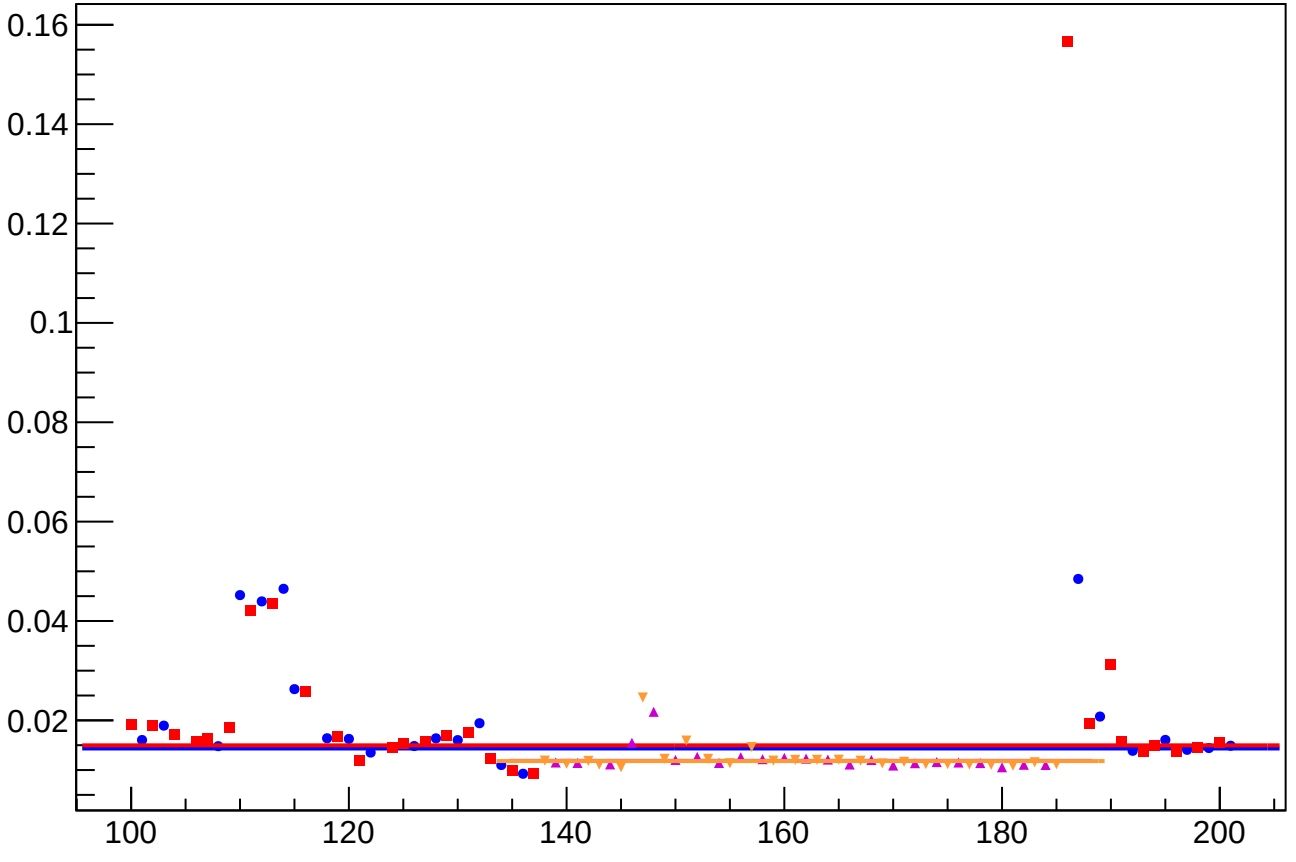
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.667+/-0.000 χ^2/NDF: 4895504908.6/47

All: 0.668+/-0.000 χ^2/NDF: 10608049790.4/9

- sign 0.669+/-0.000 χ^2/NDF: 5712231249.7/50

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: 2386199.6/27

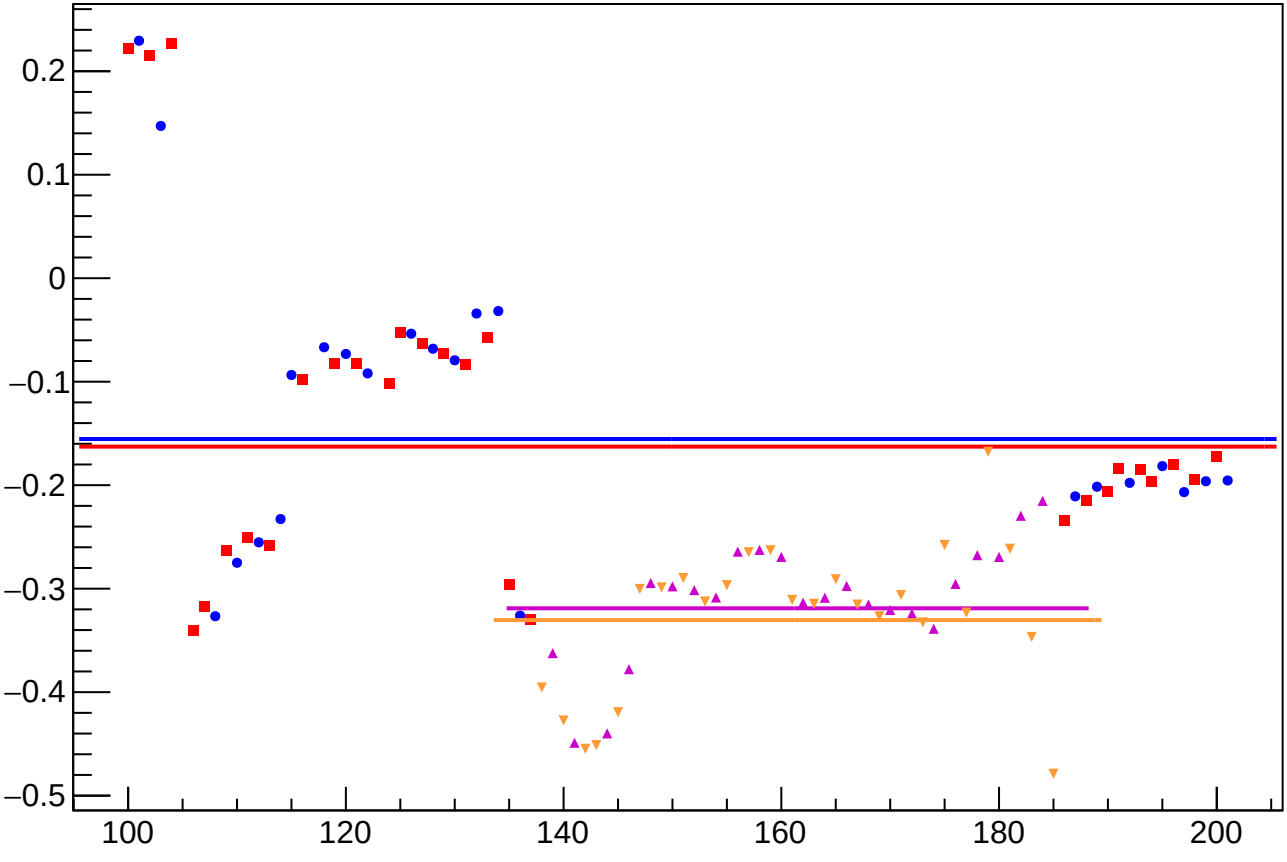
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 3097708.6/47

All: 0.013+/-0.000 χ^2/NDF: 6723209.2/98

- sign 0.013+/-0.000 χ^2/NDF: 3614415.1/50

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: 198326764.5/27

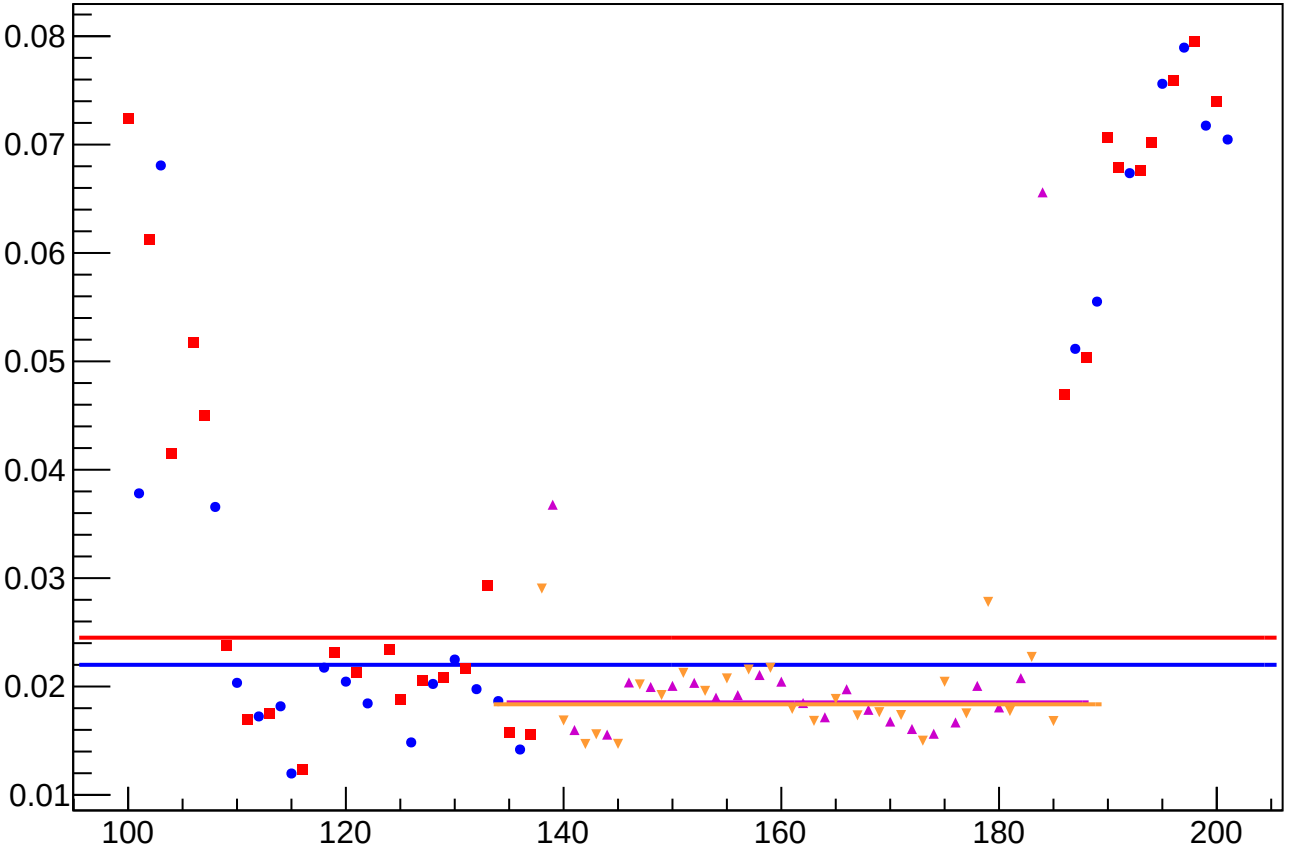
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.285+/-0.000 χ^2/NDF: 822568352.4/47

All: -0.282+/-0.000 χ^2/NDF: 1419025967.3/9

- sign -0.279+/-0.000 χ^2/NDF: 595349979.7/50

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: 6842304.8/27

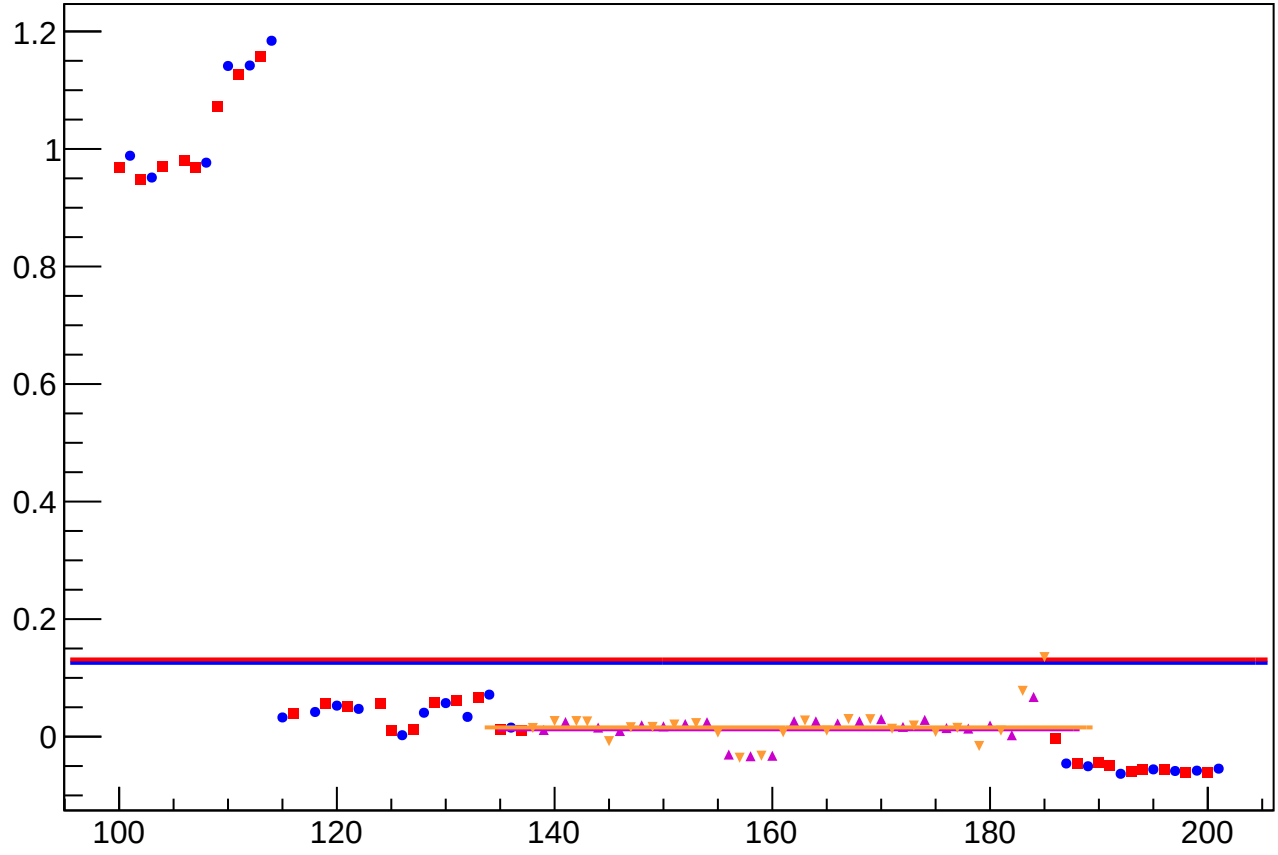
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 7355781.5/47

All: 0.020+/-0.000 χ^2/NDF: 15944512.3/98

- sign 0.020+/-0.000 χ^2/NDF: 8553776.4/50

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: 0.131+/-0.000 χ^2/NDF: 8729737253.6/27

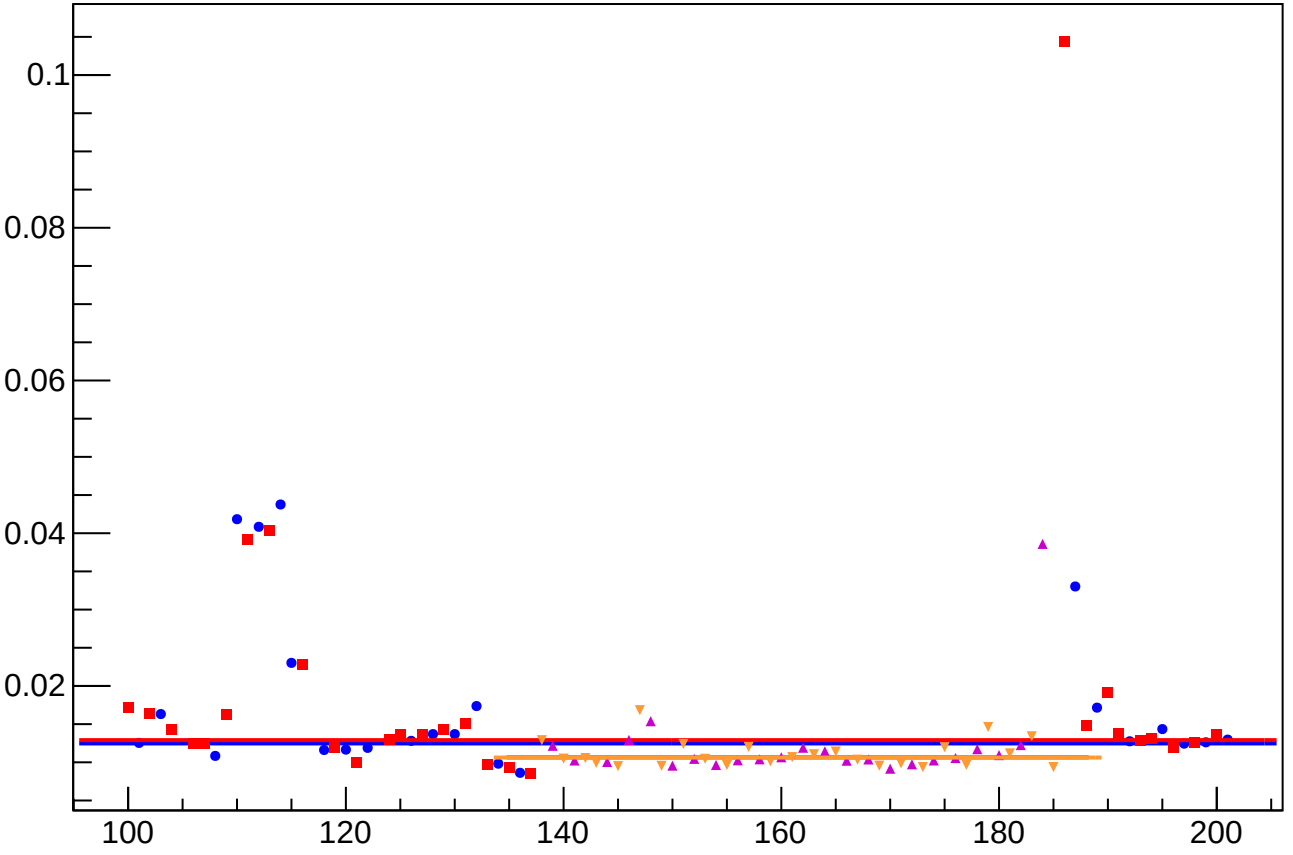
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.049+/-0.000 χ^2/NDF: 8664682848.3/47

All: 0.050+/-0.000 χ^2/NDF: 18130721904.5/9

- sign 0.050+/-0.000 χ^2/NDF: 9465832107.0/50

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: 2109317.3/27

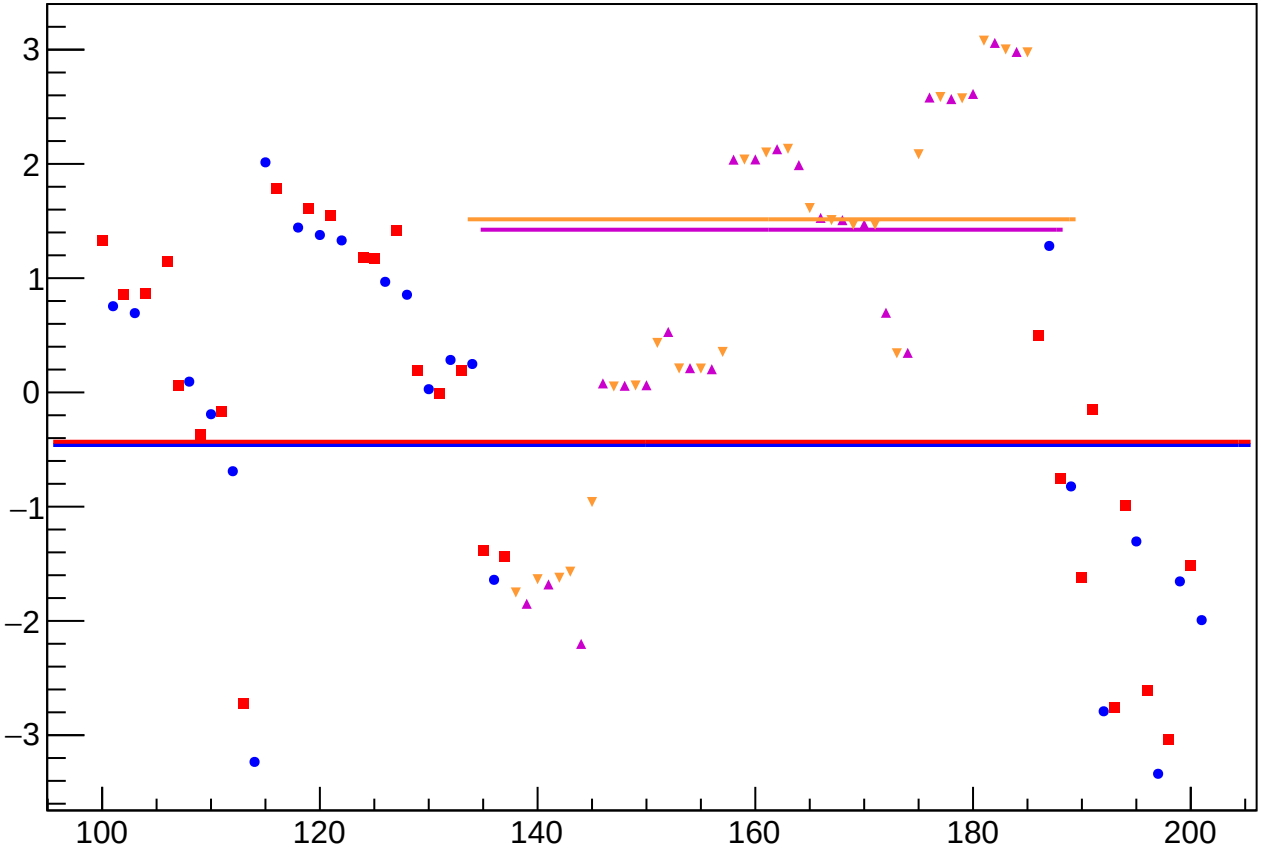
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2681124.2/47

All: 0.011+/-0.000 χ^2/NDF: 5860971.5/98

- sign 0.011+/-0.000 χ^2/NDF: 3172473.5/50

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: -0.432+/-0.000 χ^2/NDF: 6470164474.1/27

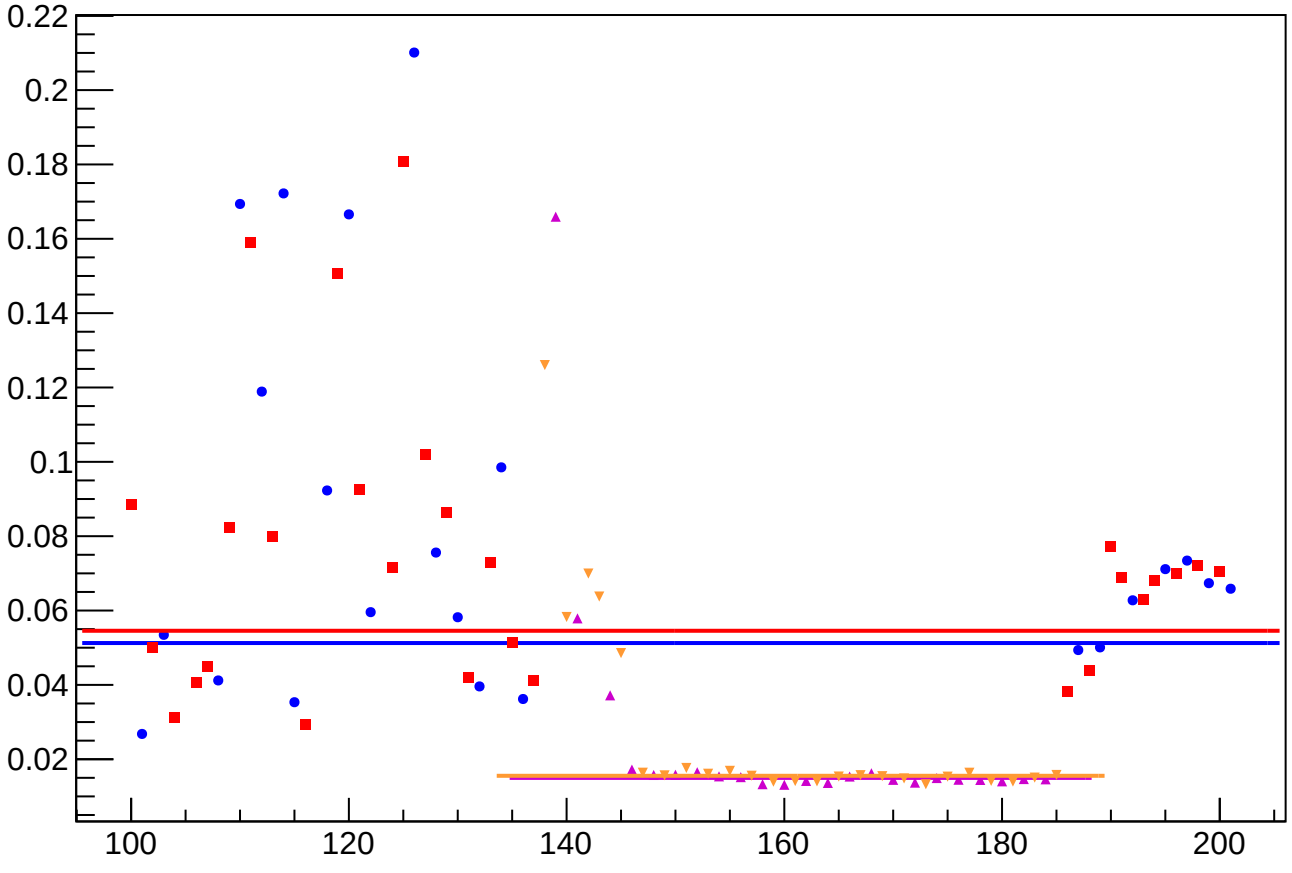
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.418+/-0.000 χ^2/NDF: 85872082900.7/47

All: 1.373+/-0.000 χ^2/NDF: 171493683099.0

- sign 1.330+/-0.000 χ^2/NDF: 85372048103.2/50

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

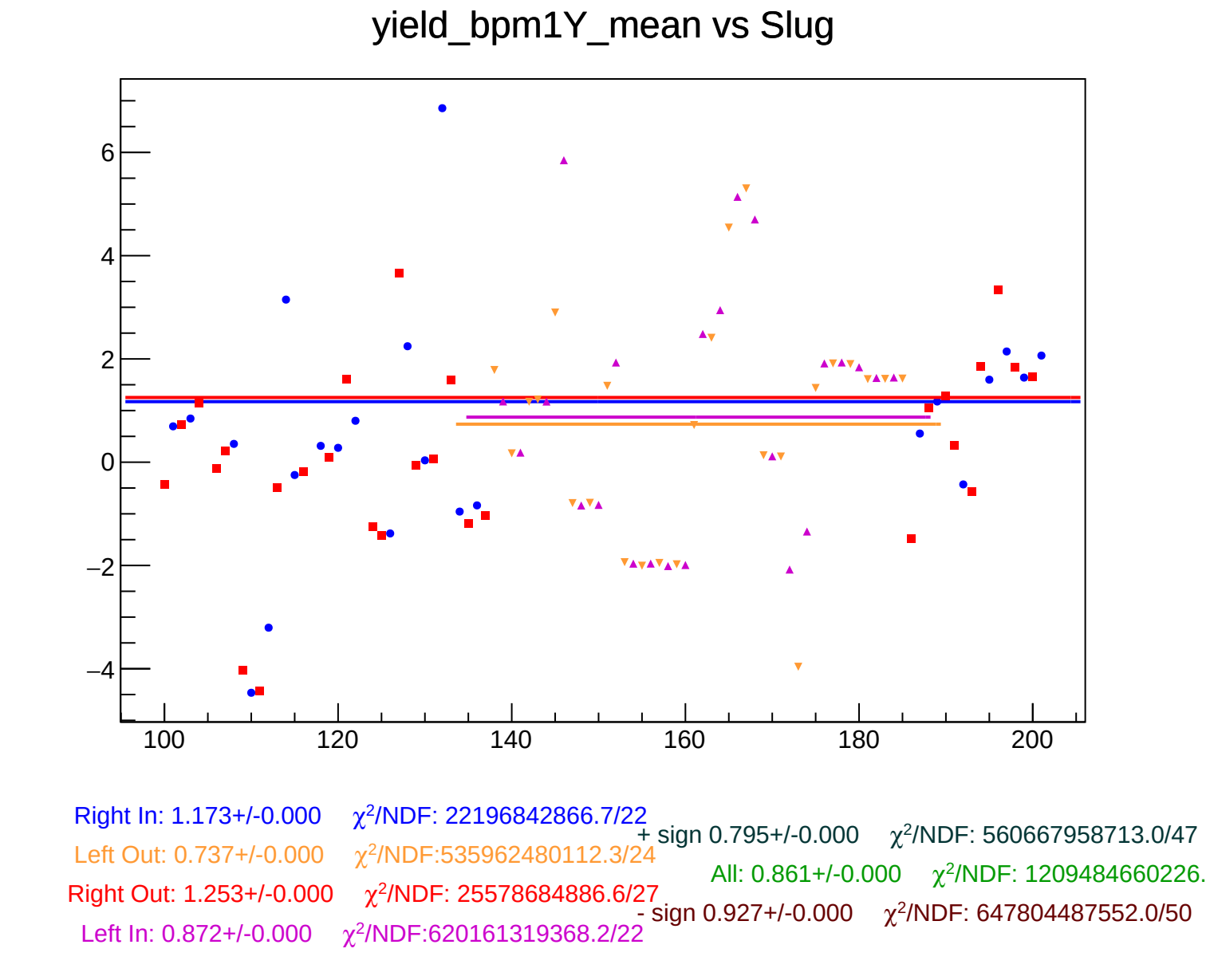
Right Out: 0.055+/-0.000 χ^2/NDF: 3062927.4/27

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

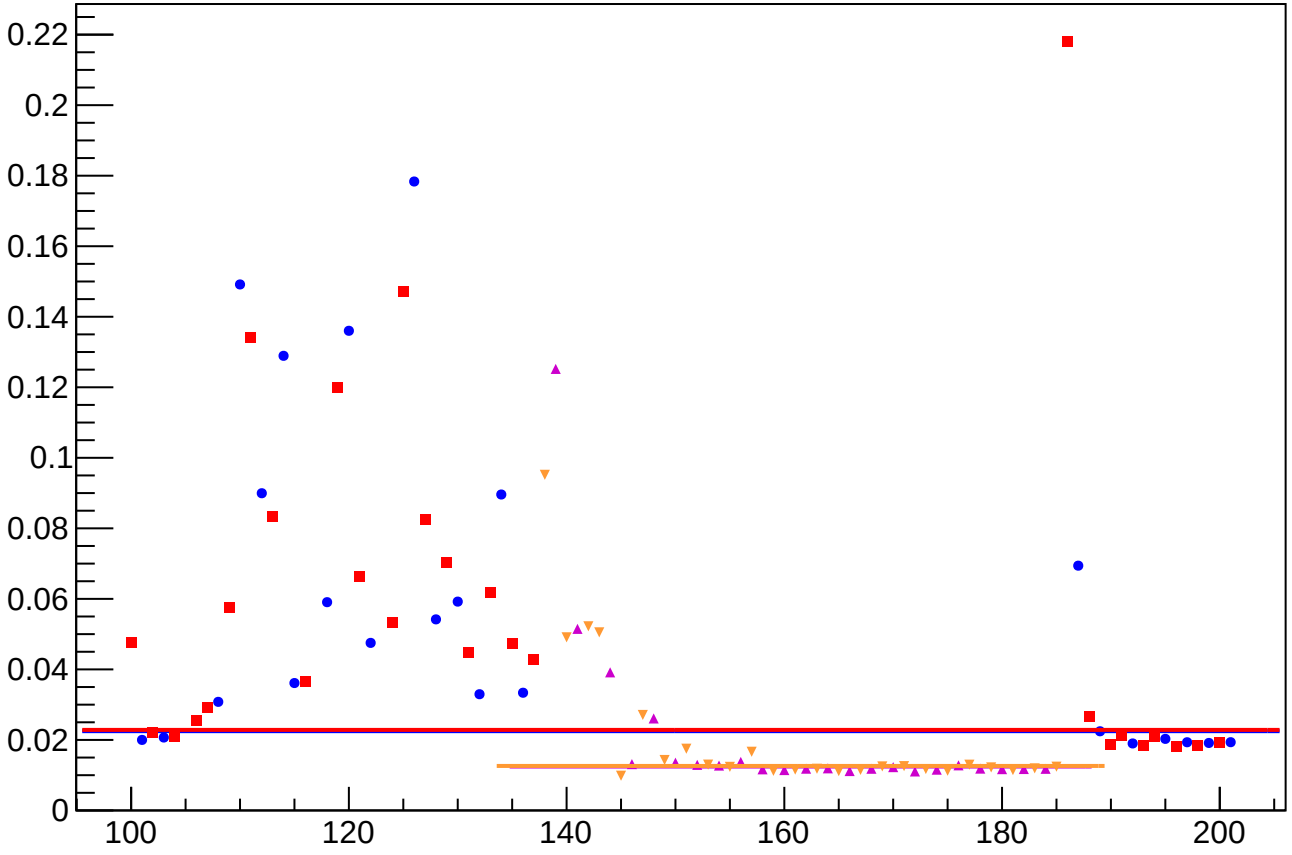
+ sign 0.017+/-0.000 χ^2/NDF: 14108911.6/47

All: 0.017+/-0.000 χ^2/NDF: 29237766.0/98

- sign 0.017+/-0.000 χ^2/NDF: 15122185.8/50


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: 1.173+/-0.000 χ²/NDF: 22196842866.7/22
Left Out: 0.737+/-0.000 χ²/NDF:535962480112.3/24
Right Out: 1.253+/-0.000 χ²/NDF: 25578684886.6/27
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
+ sign 0.795+/-0.000 χ²/NDF: 560667958713.0/47
All: 0.861+/-0.000 χ²/NDF: 1209484660226.
- sign 0.927+/-0.000 χ²/NDF: 647804487552.0/50

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: 5035135.4/27

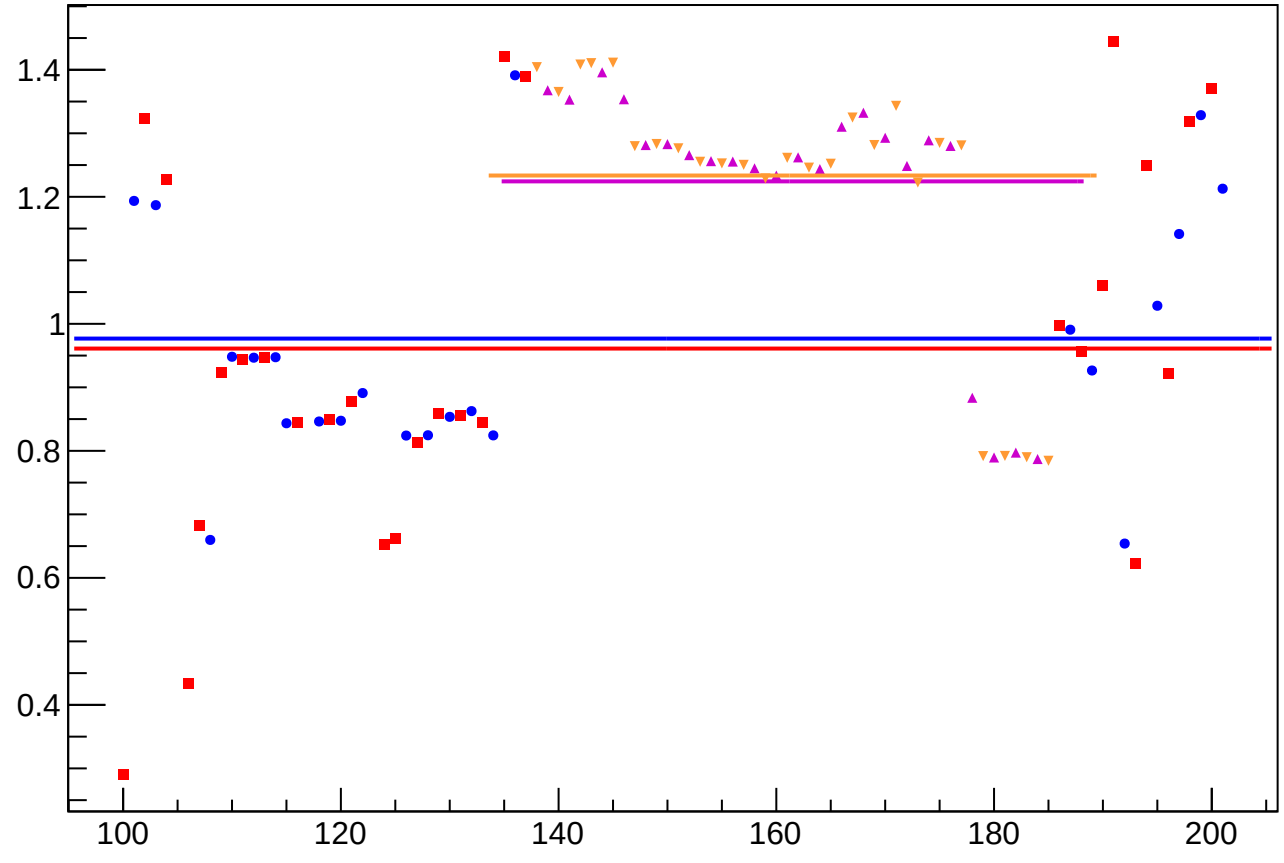
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9717390.6/47

All: 0.014+/-0.000 χ^2/NDF: 20580348.0/98

- sign 0.014+/-0.000 χ^2/NDF: 10862930.4/50

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: 0.961+/-0.000 χ^2/NDF: 2113207414.9/27

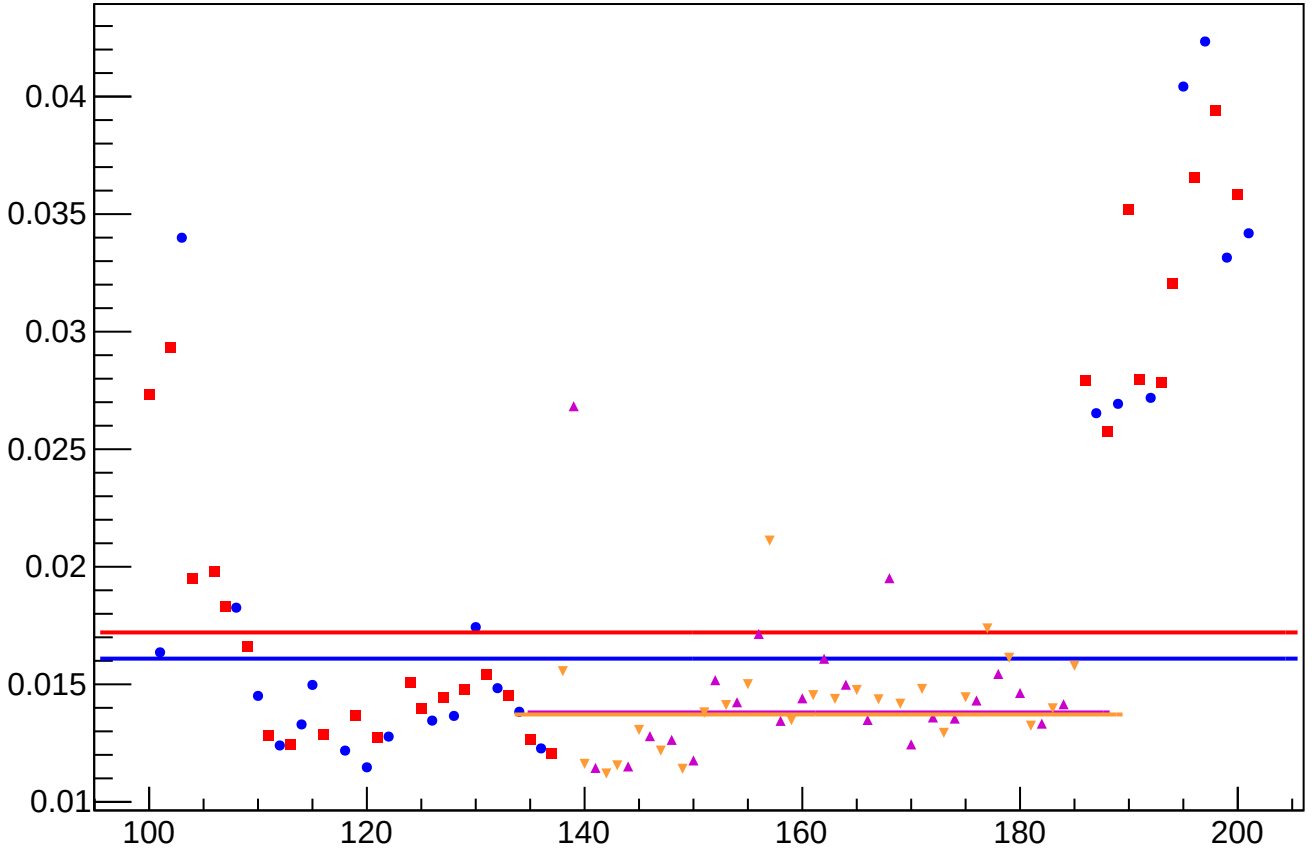
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.159+/-0.000 χ^2/NDF: 6511876760.8/47

All: 1.152+/-0.000 χ^2/NDF: 13063195158.3/9

- sign 1.145+/-0.000 χ^2/NDF: 6539748299.1/50

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: 0.017+/-0.000 χ^2/NDF: 3531615.6/27

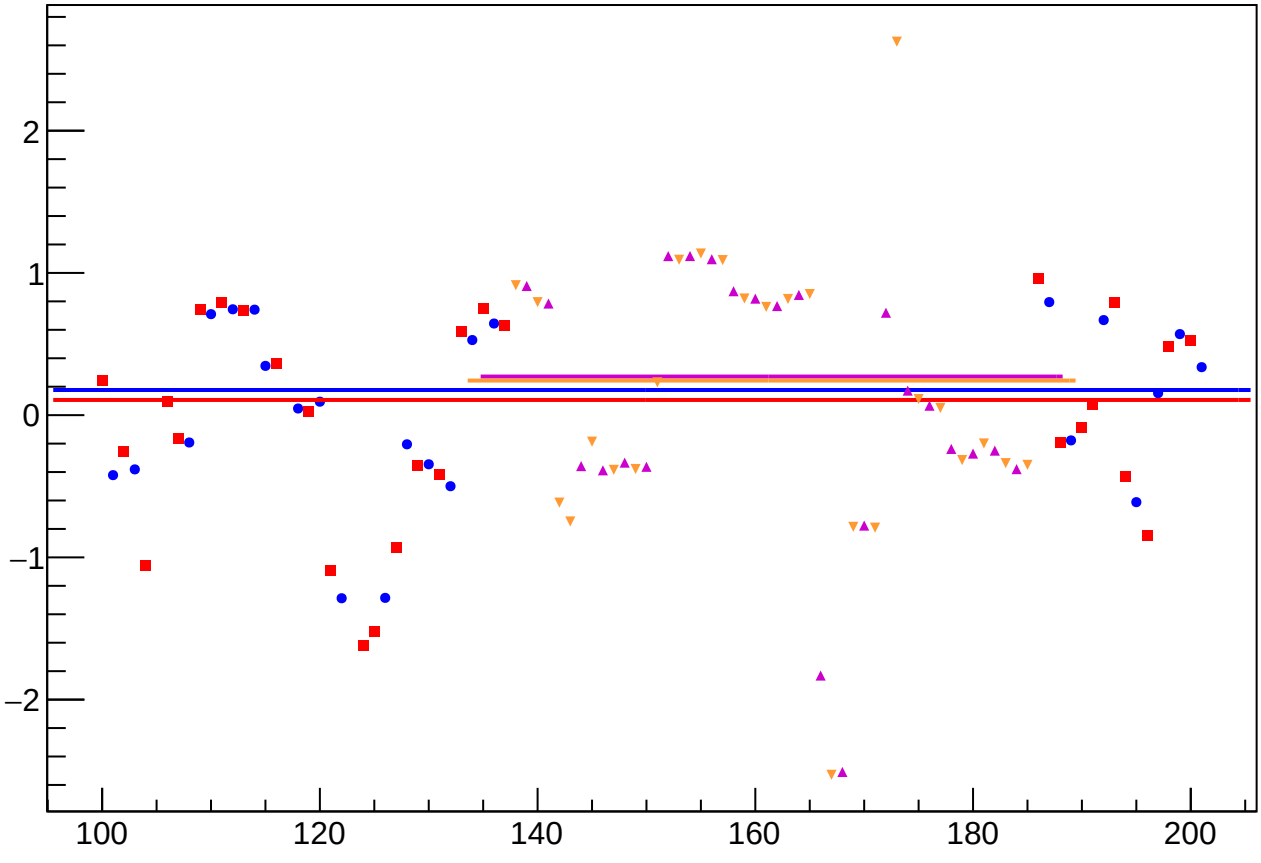
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 4339359.9/47

All: 0.015+/-0.000 χ^2/NDF: 9354985.5/98

- sign 0.015+/-0.000 χ^2/NDF: 4993919.1/50

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: 0.107+/-0.000 χ^2/NDF: 29677031554.0/27

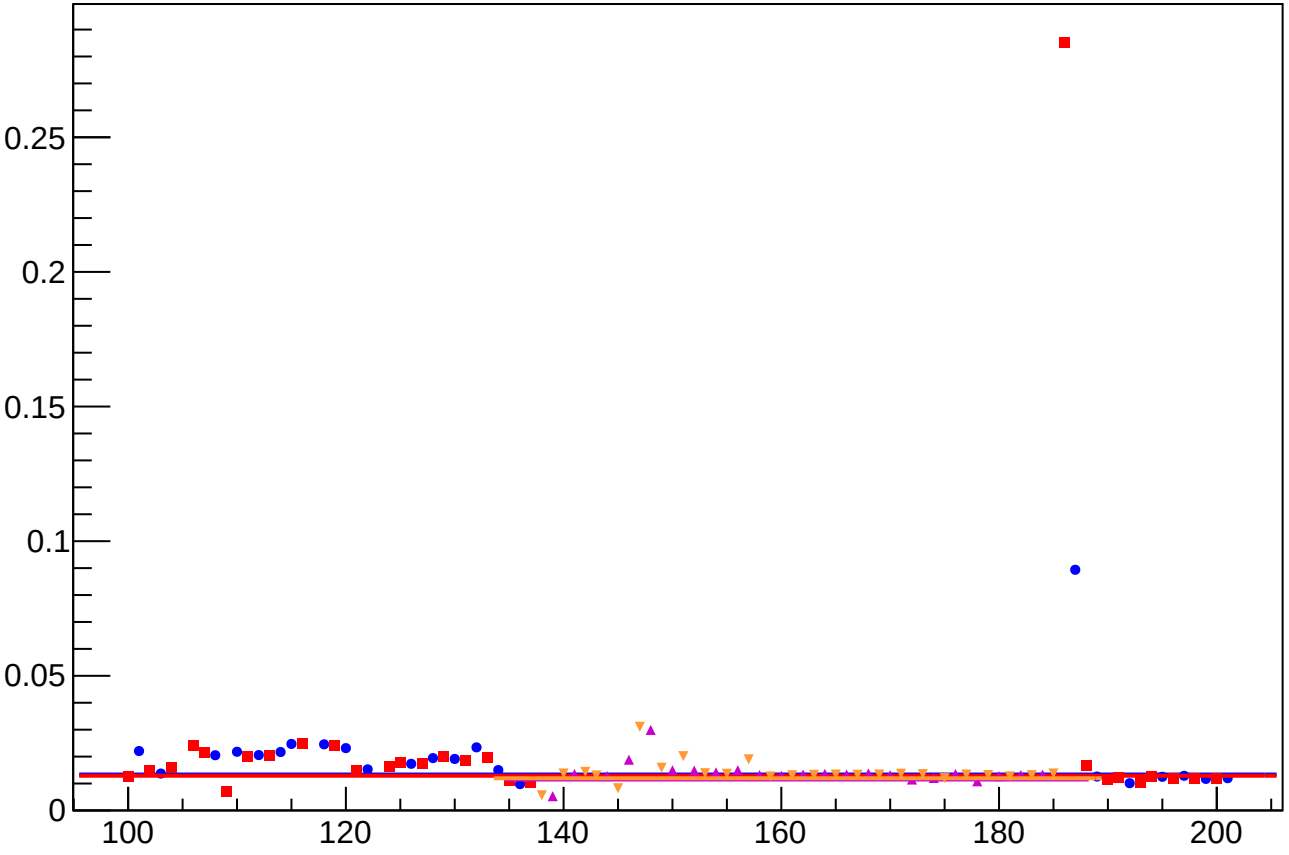
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.222+/-0.000 χ^2/NDF: 123984571288.1/47

All: 0.217+/-0.000 χ^2/NDF: 245316795138.2

- sign 0.212+/-0.000 χ^2/NDF: 121324585506.4/50

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: 2671627.8/27

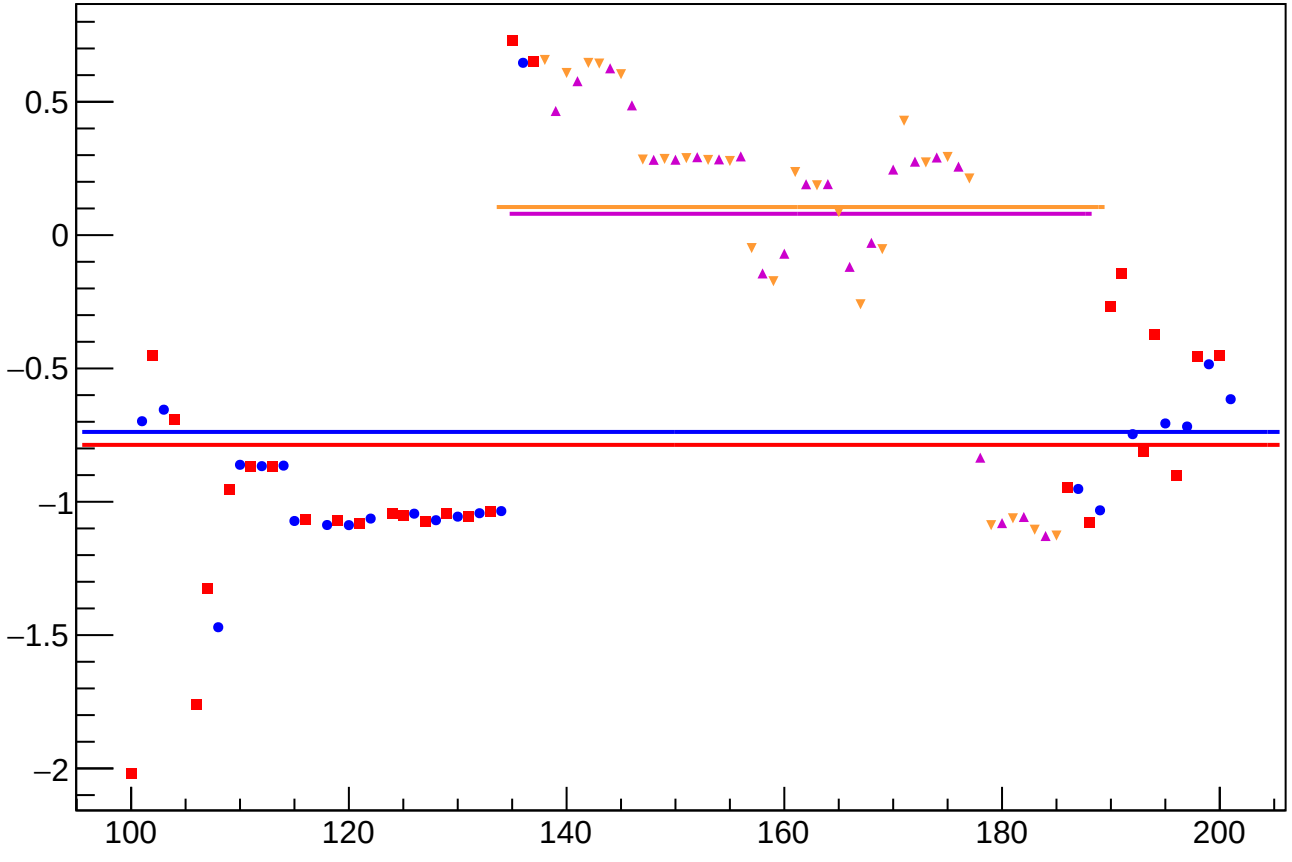
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5444537.1/47

All: 0.012+/-0.000 χ^2/NDF: 11984681.2/98

- sign 0.012+/-0.000 χ^2/NDF: 6509703.3/50

yield_bpm12X_mean vs Slug



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: -0.787+/-0.000 χ^2/NDF: 1998034941.5/27

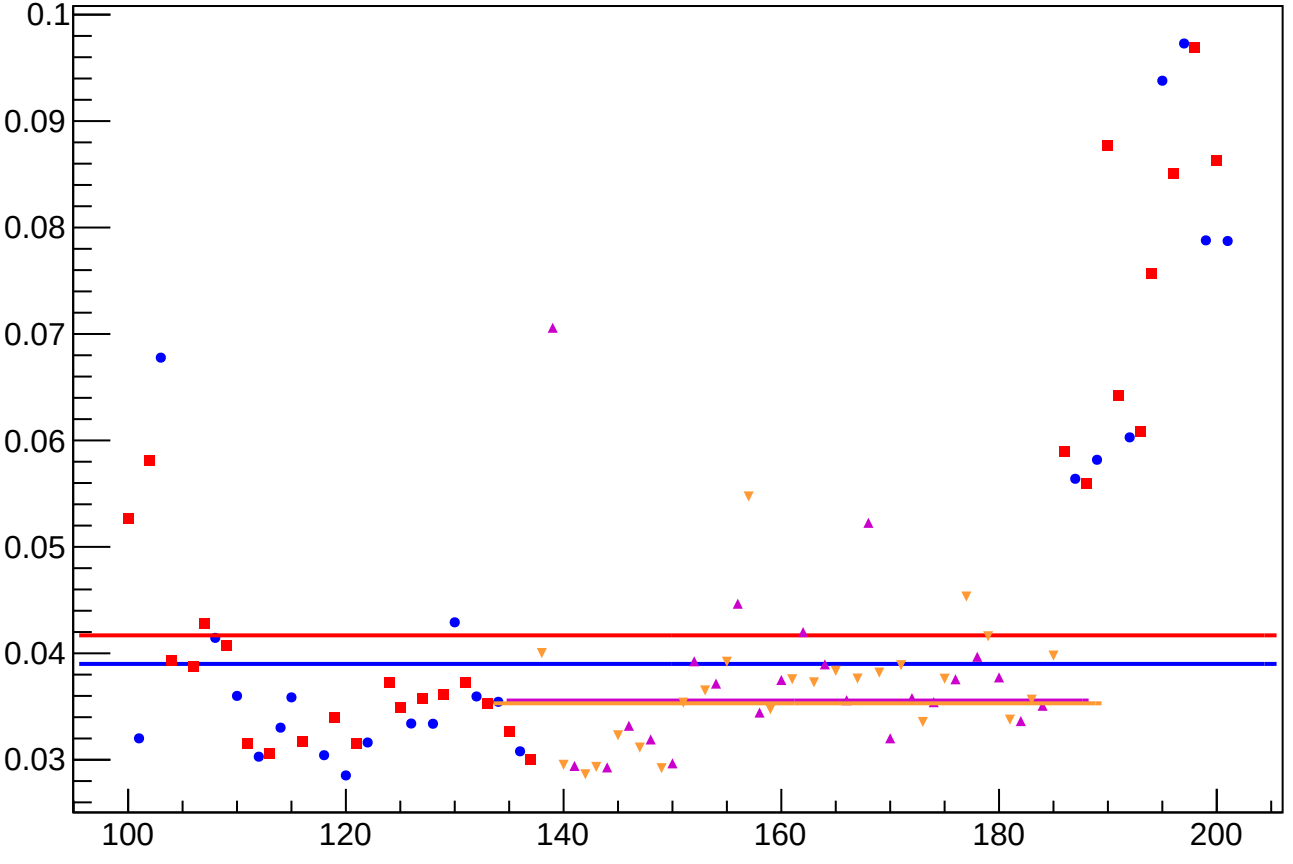
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.168+/-0.000 χ^2/NDF: 8991255830.7/47

All: -0.187+/-0.000 χ^2/NDF: 17451384202.6/

- sign -0.208+/-0.000 χ^2/NDF: 8444060999.1/50

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: 2997232.0/27

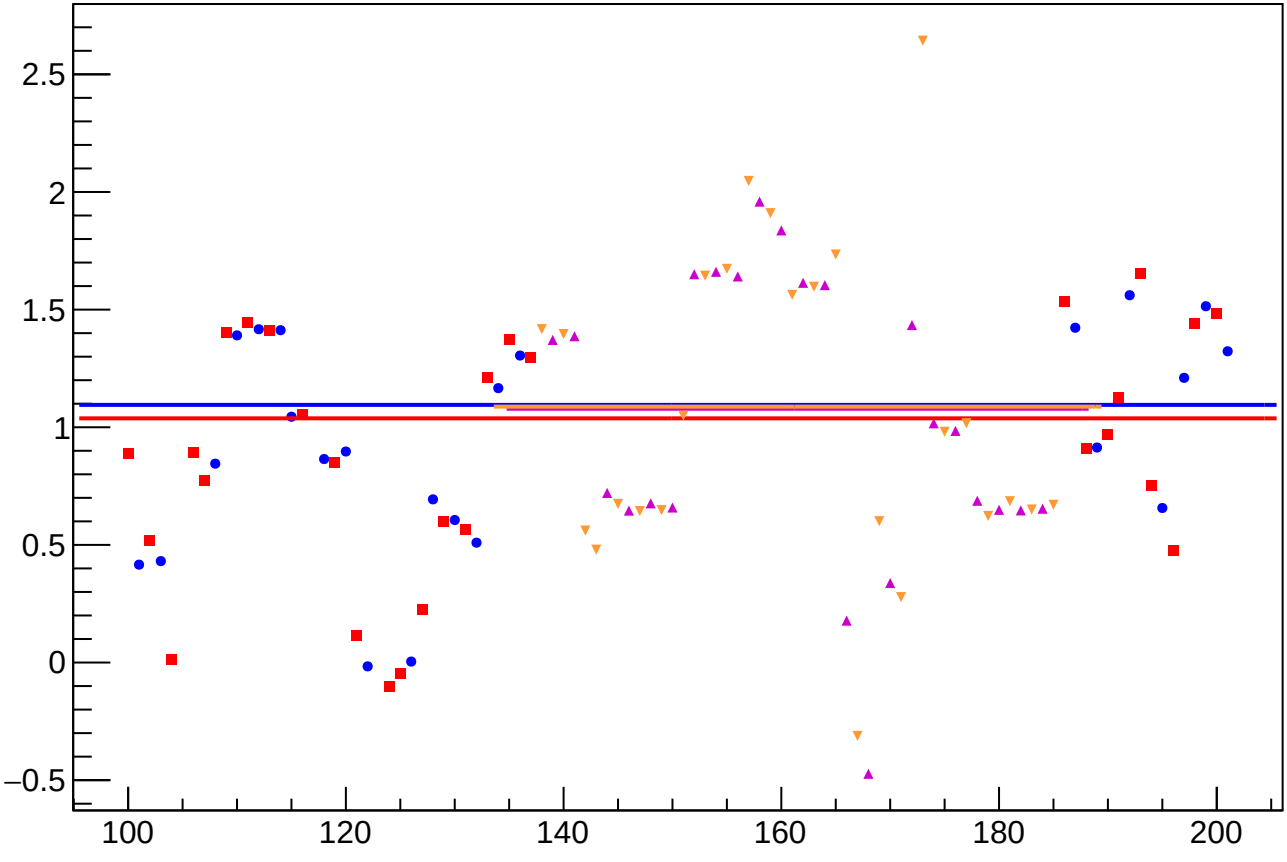
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.037+/-0.000 χ^2/NDF: 3780299.0/47

All: 0.037+/-0.000 χ^2/NDF: 8078812.2/98

- sign 0.038+/-0.000 χ^2/NDF: 4275001.0/50

yield_bpm12Y_mean vs Slug



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: 1.038+/-0.000 χ^2/NDF: 32919514667.0/27

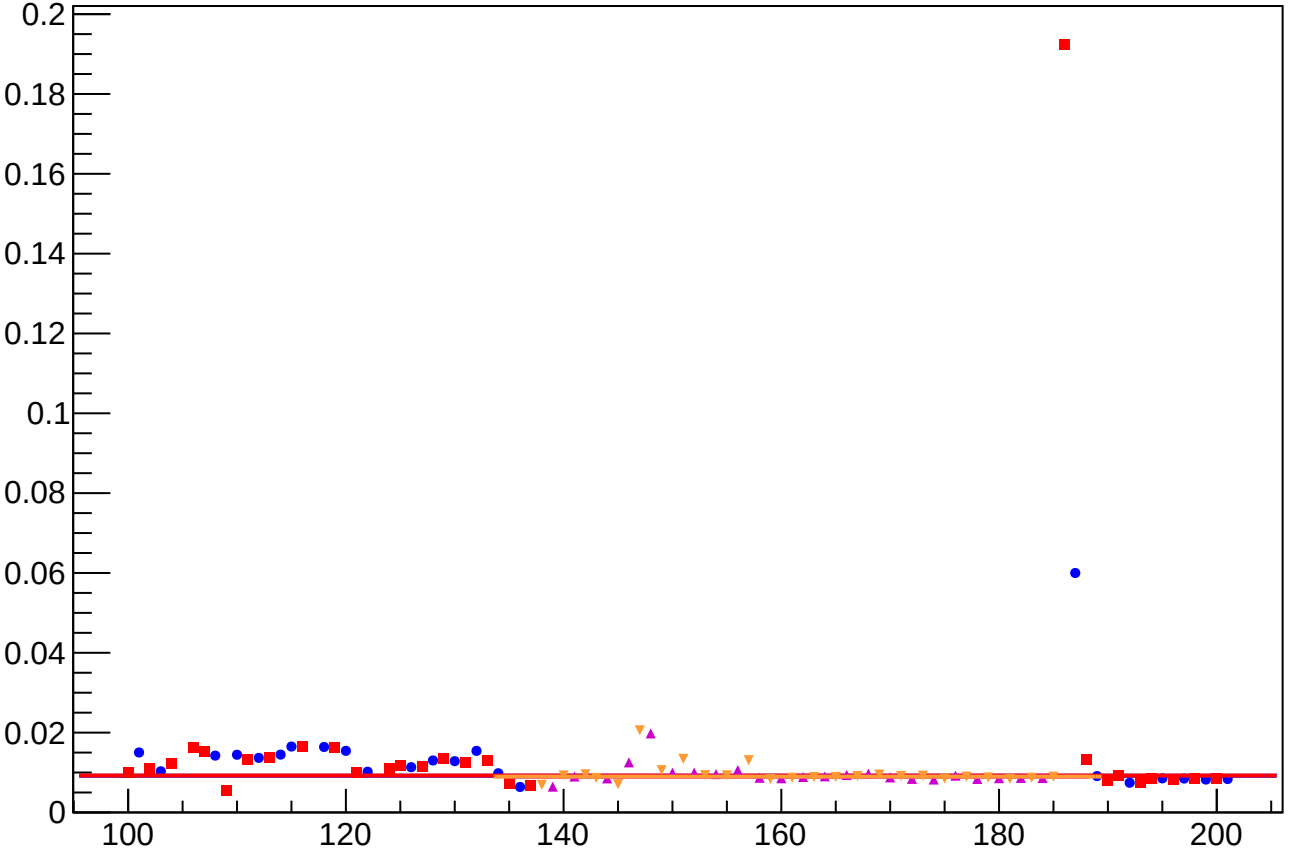
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.090+/-0.000 χ^2/NDF: 117923288130.0/47

All: 1.077+/-0.000 χ^2/NDF: 225187782004.0

- sign 1.063+/-0.000 χ^2/NDF: 107135881231.1/50

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: 2381193.9/27

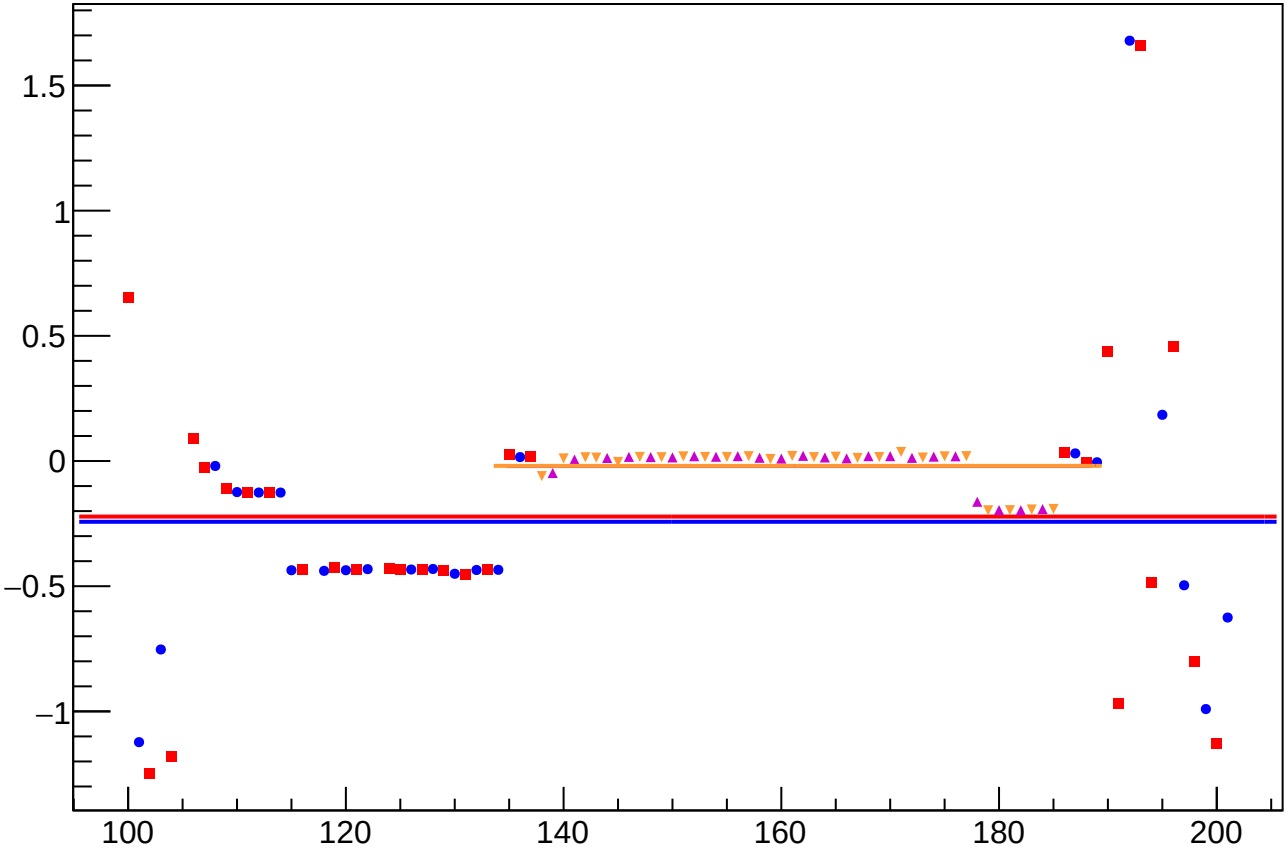
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3068165.4/47

All: 0.009+/-0.000 χ^2/NDF: 6430322.6/98

- sign 0.009+/-0.000 χ^2/NDF: 3362131.2/50

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: -0.222+/-0.000 χ^2/NDF: 2894259008.7/27

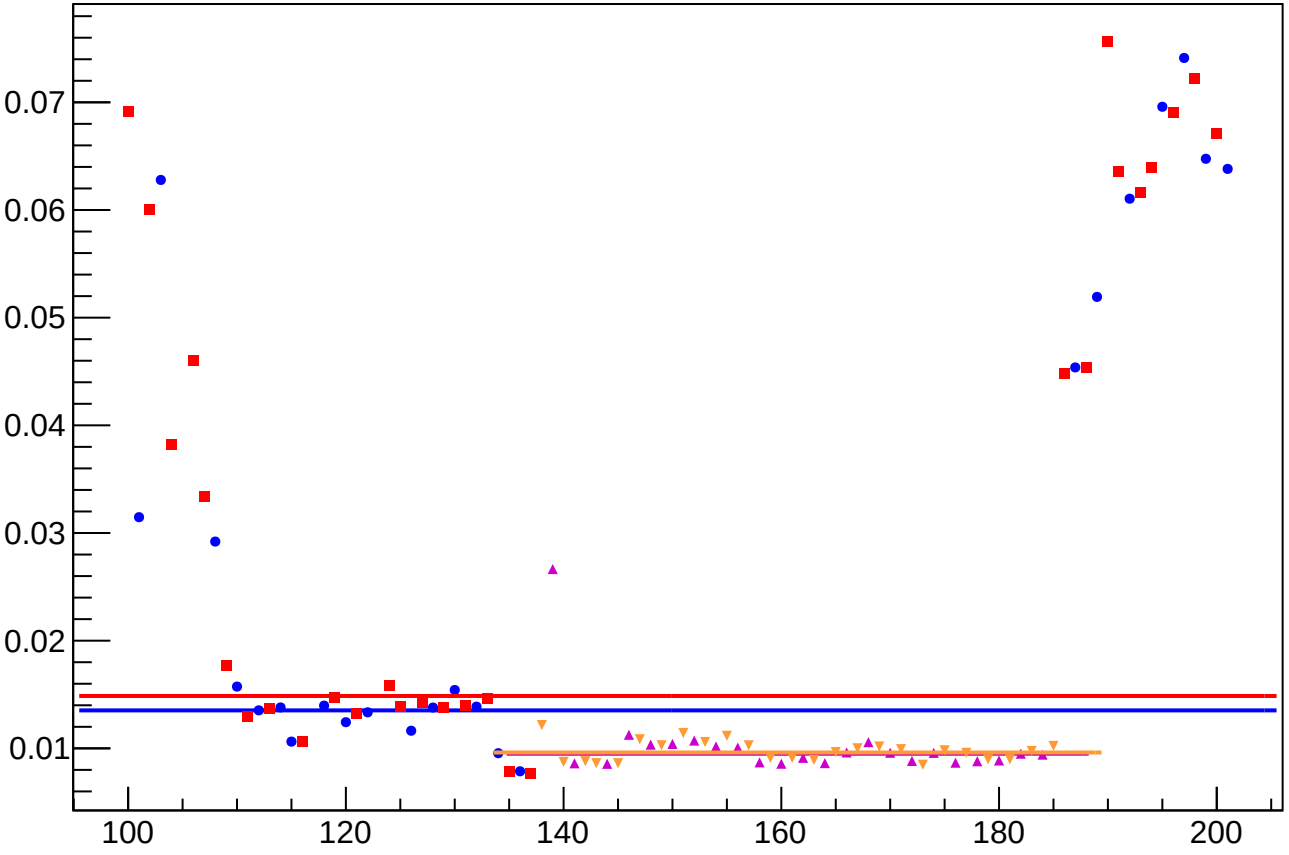
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.058+/-0.000 χ^2/NDF: 5751454125.5/47

All: -0.056+/-0.000 χ^2/NDF: 10768216484.6/

- sign -0.053+/-0.000 χ^2/NDF: 5014922683.1/50

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: 9357123.2/27

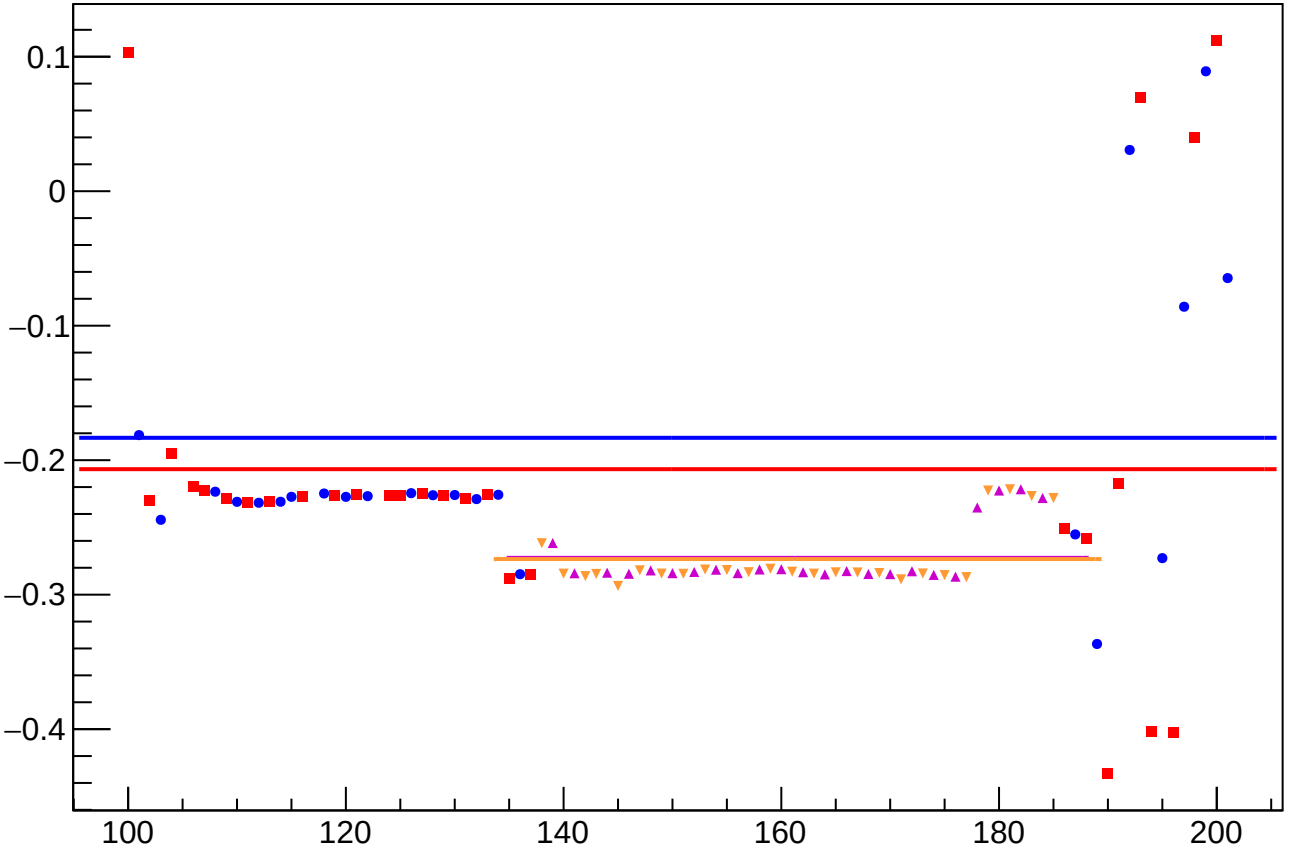
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 9375001.9/47

All: 0.010+/-0.000 χ^2/NDF: 21241609.2/98

- sign 0.010+/-0.000 χ^2/NDF: 11864606.1/50

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: -0.207+/-0.000 χ^2/NDF: 8019147856.7/27

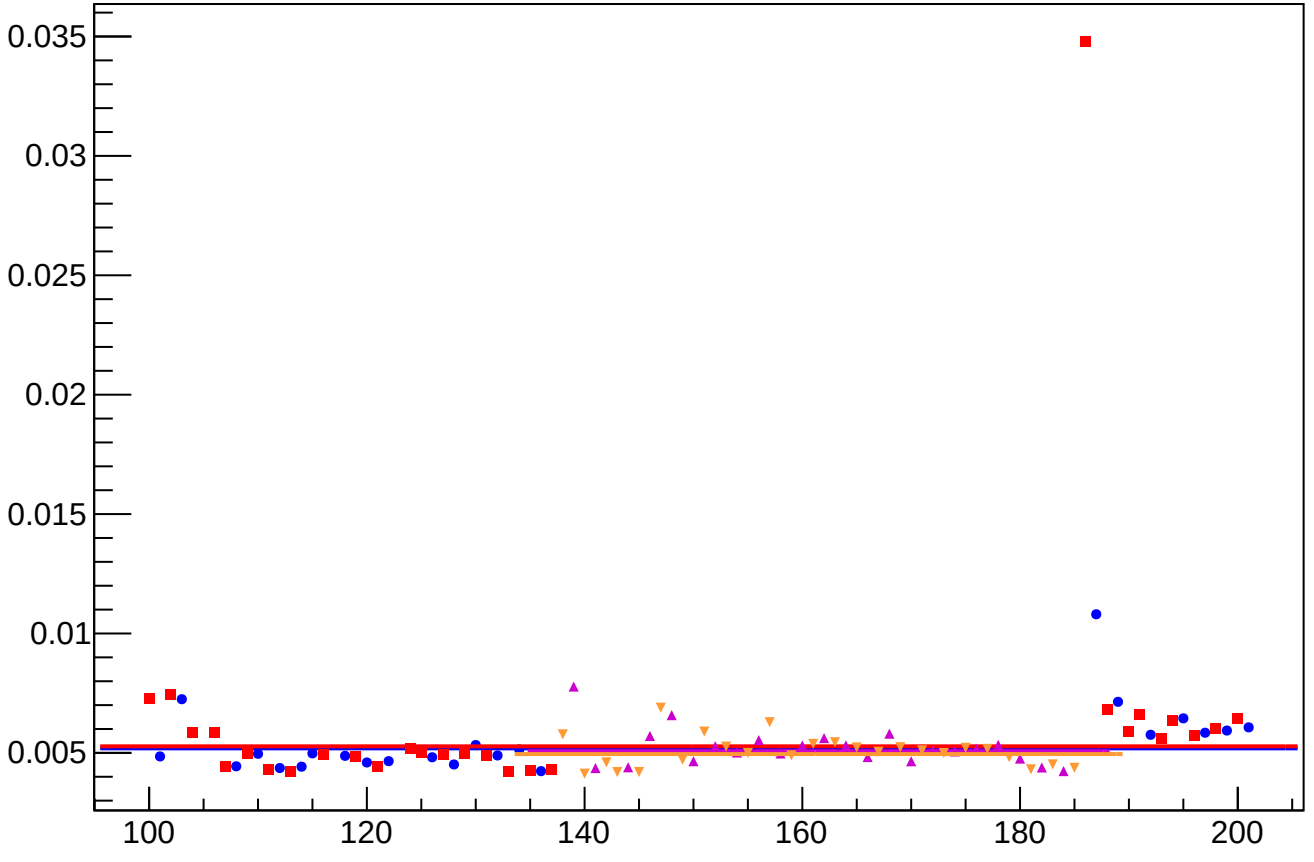
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.241+/-0.000 χ^2/NDF: 7507560322.3/47

All: -0.244+/-0.000 χ^2/NDF: 17024980633.8/

- sign -0.247+/-0.000 χ^2/NDF: 9501553145.0/50

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

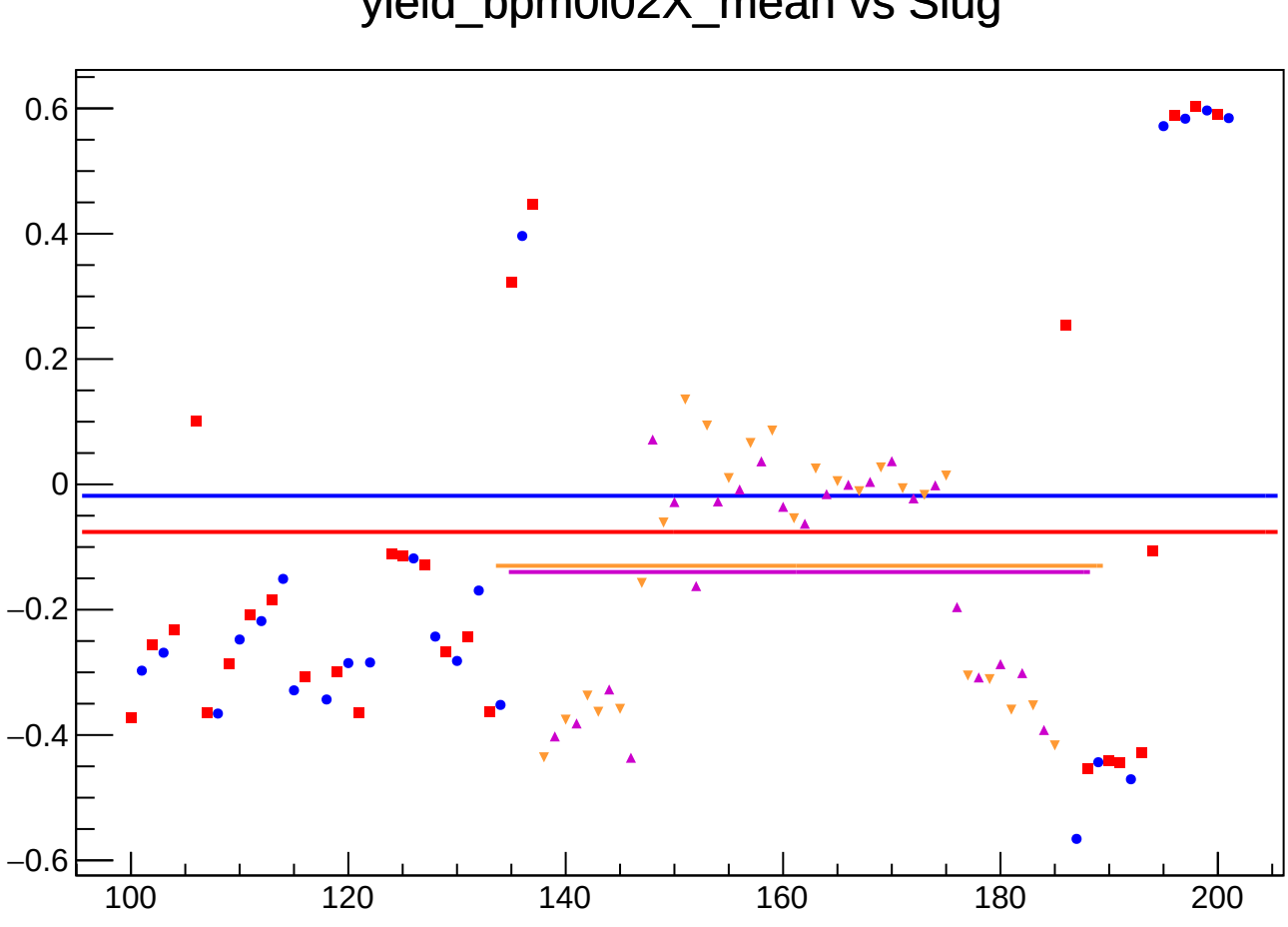
Right Out: 0.005+/-0.000 χ^2/NDF: 1238661.3/27

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: 2996649.2/98

- sign 0.005+/-0.000 χ^2/NDF: 1800840.1/50



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: -0.076+/-0.000 χ^2/NDF: 40008446355.5/27

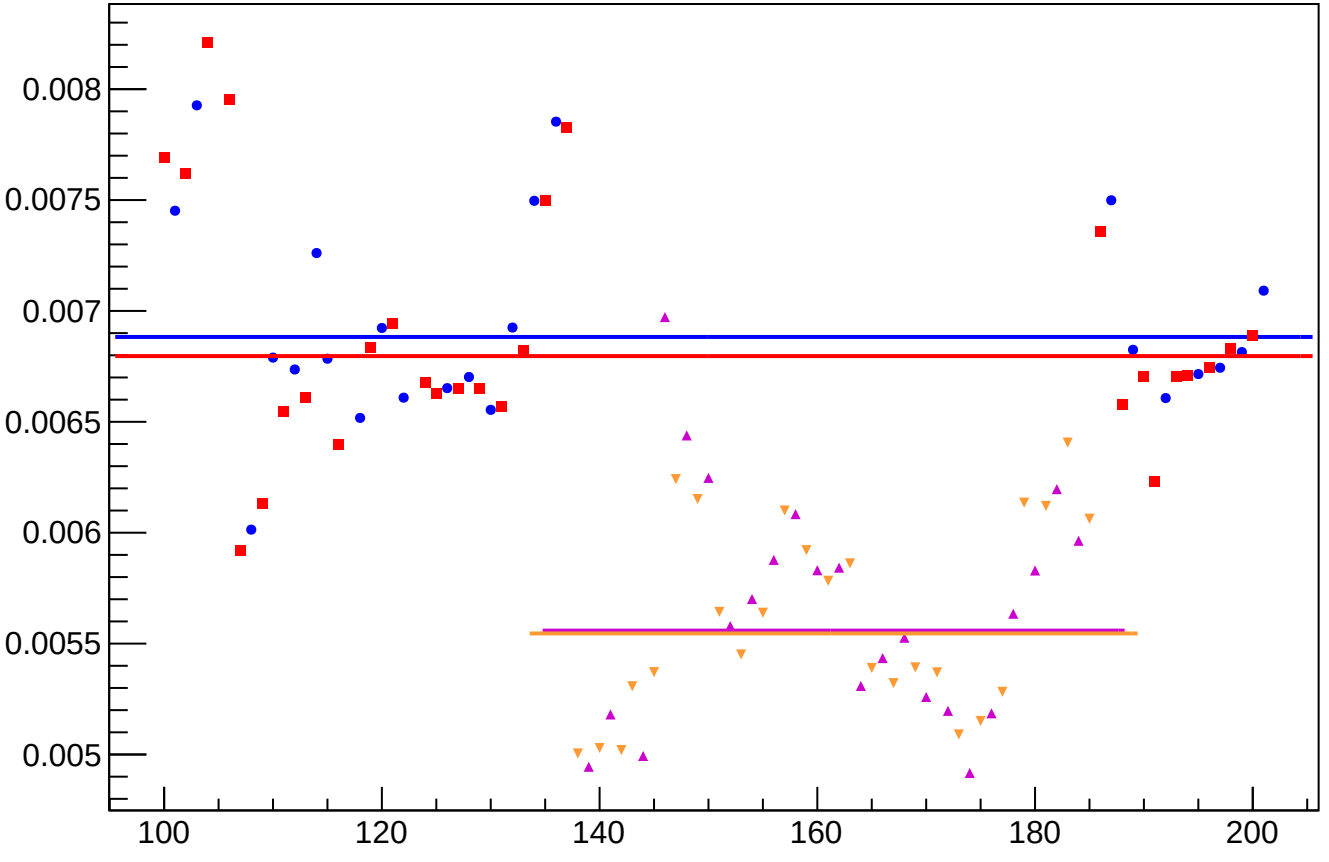
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.096+/-0.000 χ^2/NDF: 68971014846.9/47

All: -0.107+/-0.000 χ^2/NDF: 125105833867.1

- sign -0.118+/-0.000 χ^2/NDF: 55935881958.6/50

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 95415.4/22

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

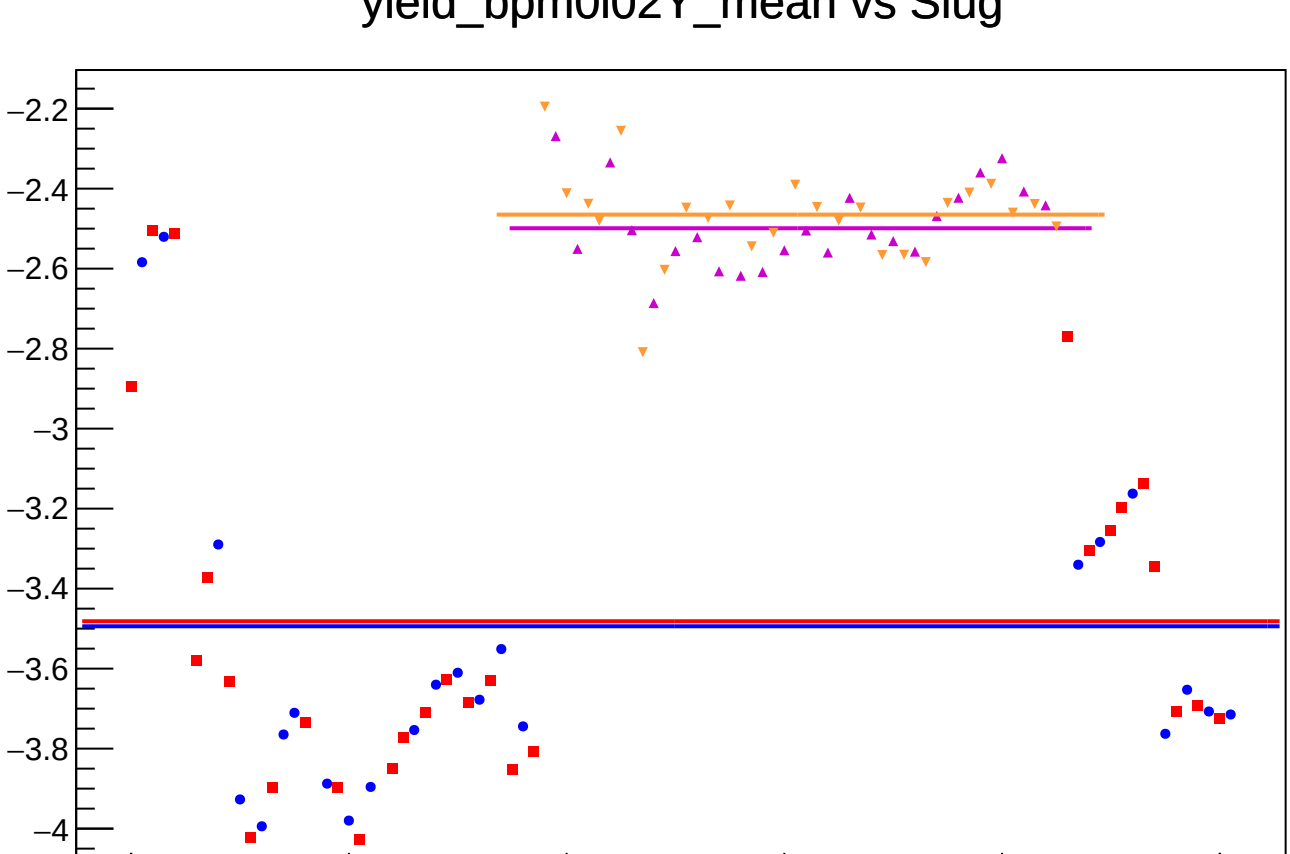
Right Out: 0.007+/-0.000 χ^2/NDF: 112517.2/27

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 936719.2/47

All: 0.006+/-0.000 χ^2/NDF: 1895218.7/98

- sign 0.006+/-0.000 χ^2/NDF: 957526.2/50



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: -3.482+/-0.000 χ^2/NDF: 33601875064.2/27

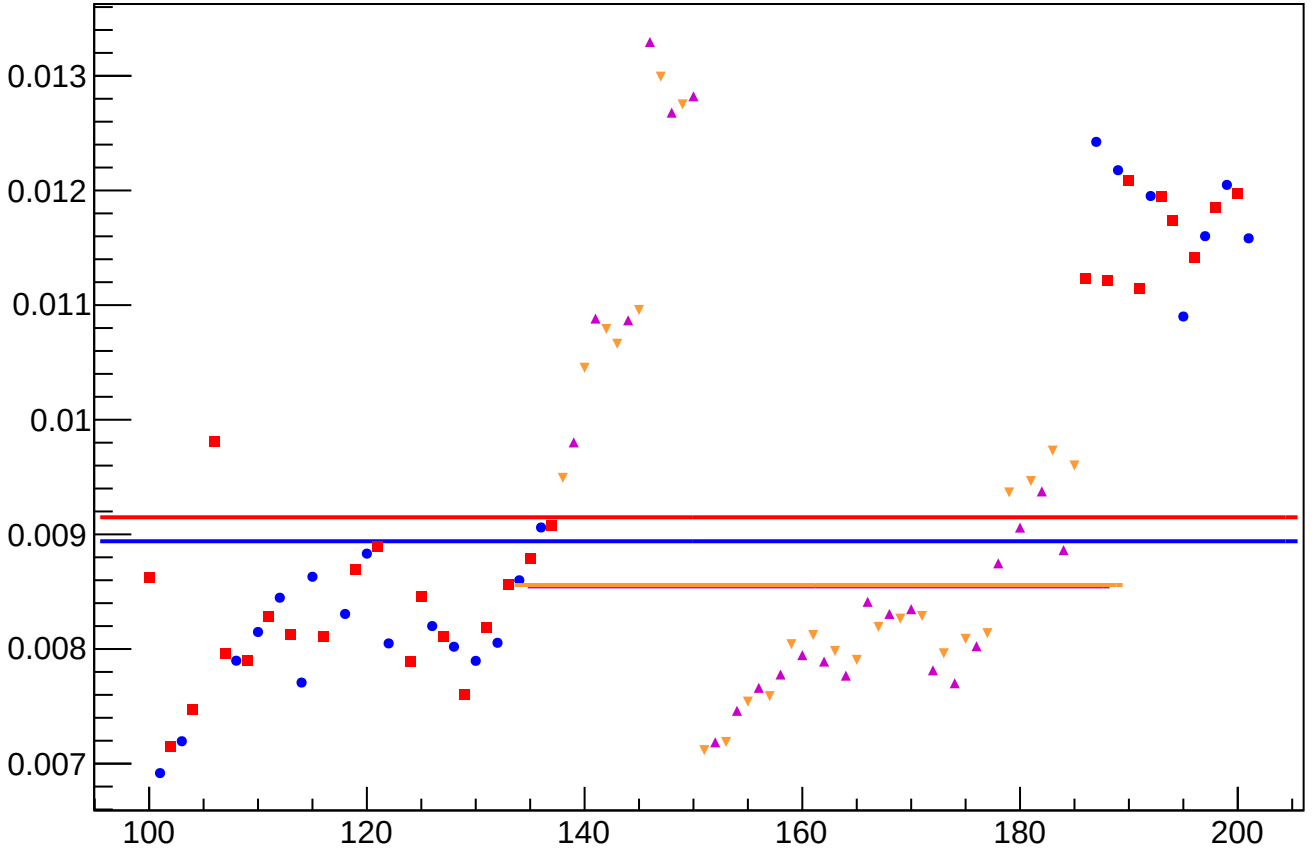
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.846+/-0.000 χ^2/NDF: 130881192336.3/47

All: -2.867+/-0.000 χ^2/NDF: 256403561868.

- sign -2.888+/-0.000 χ^2/NDF: 125193678081.0/50

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: 866714.1/27

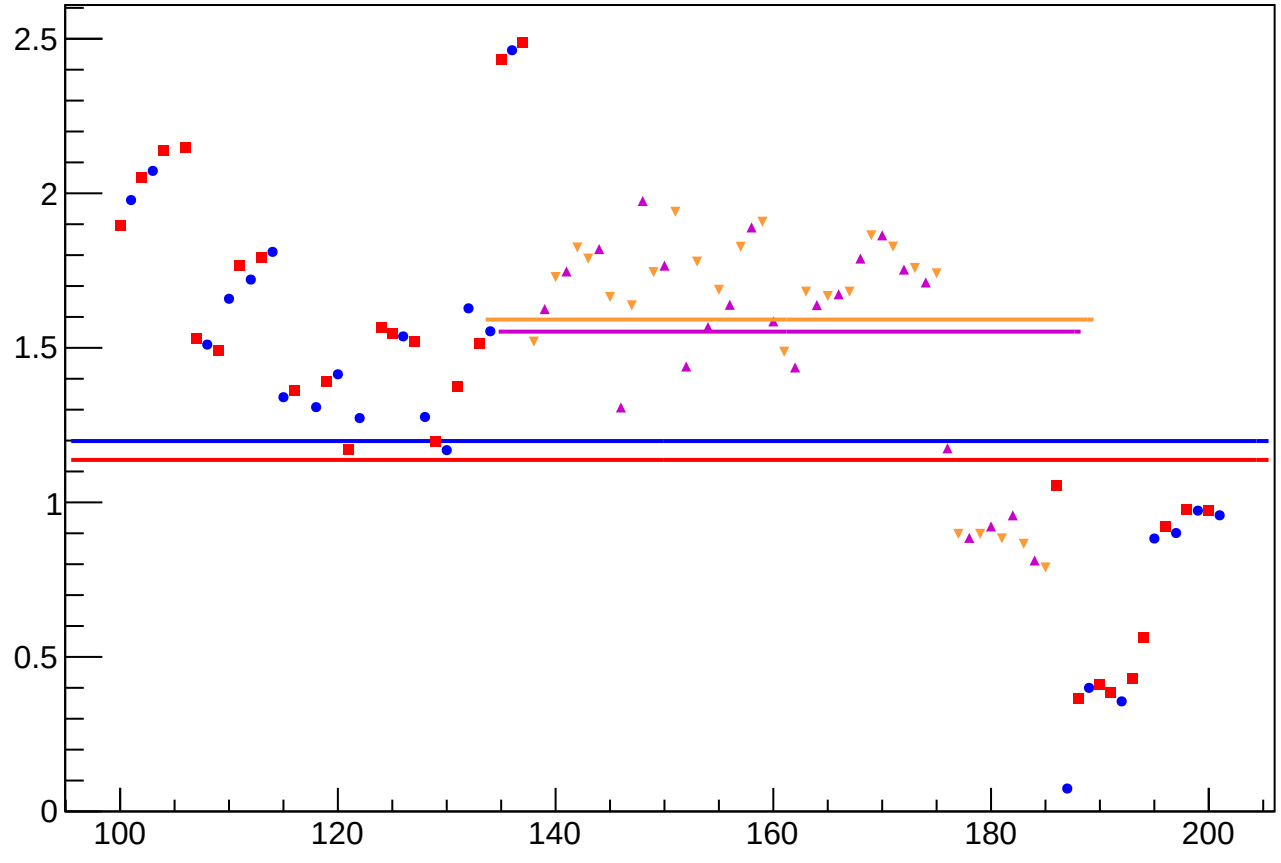
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1687541.4/47

All: 0.009+/-0.000 χ^2/NDF: 3535117.9/98

- sign 0.009+/-0.000 χ^2/NDF: 1844786.6/50

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: 1.137+/-0.000 χ^2/NDF: 34093878267.8/27

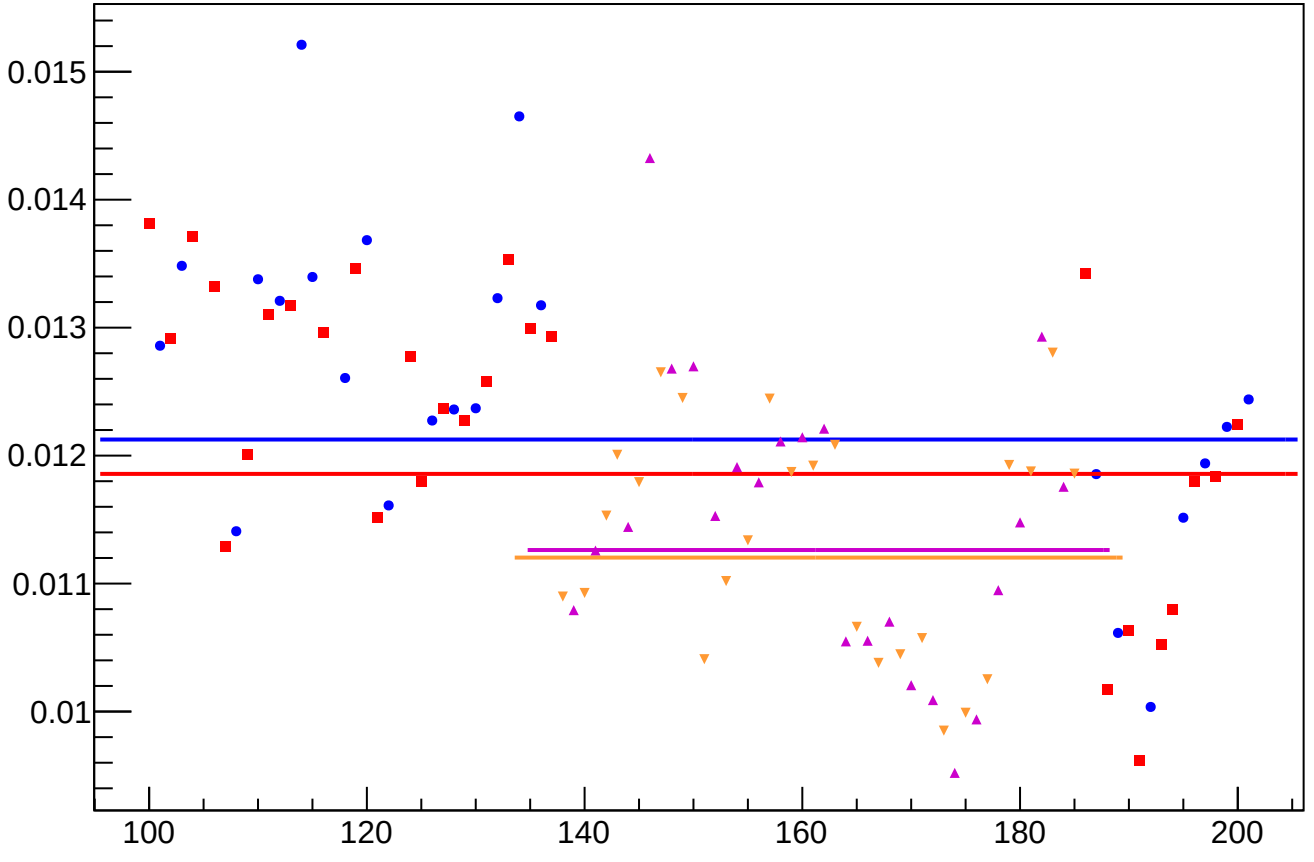
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.451+/-0.000 χ^2/NDF: 53917133982.2/47

All: 1.417+/-0.000 χ^2/NDF: 112190190044.9

- sign 1.383+/-0.000 χ^2/NDF: 57740957018.0/50

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: 246848.9/27

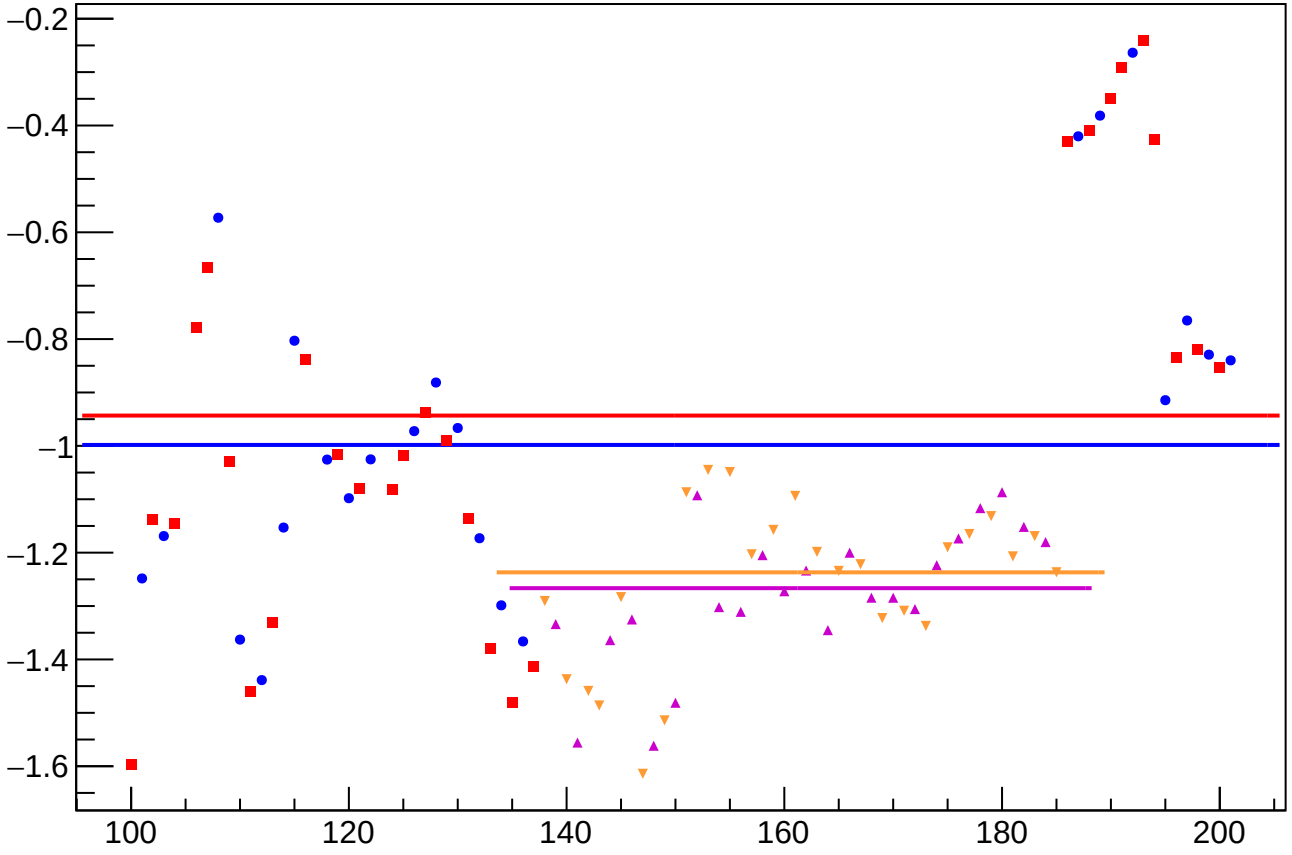
Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 519170.1/47

All: 0.012+/-0.000 χ^2/NDF: 1117258.1/98

- sign 0.012+/-0.000 χ^2/NDF: 597914.2/50

yield_bpm0i02aY_mean vs Slug



Right In: -0.998+/-0.000 χ^2/NDF: 11630215364.6/22

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

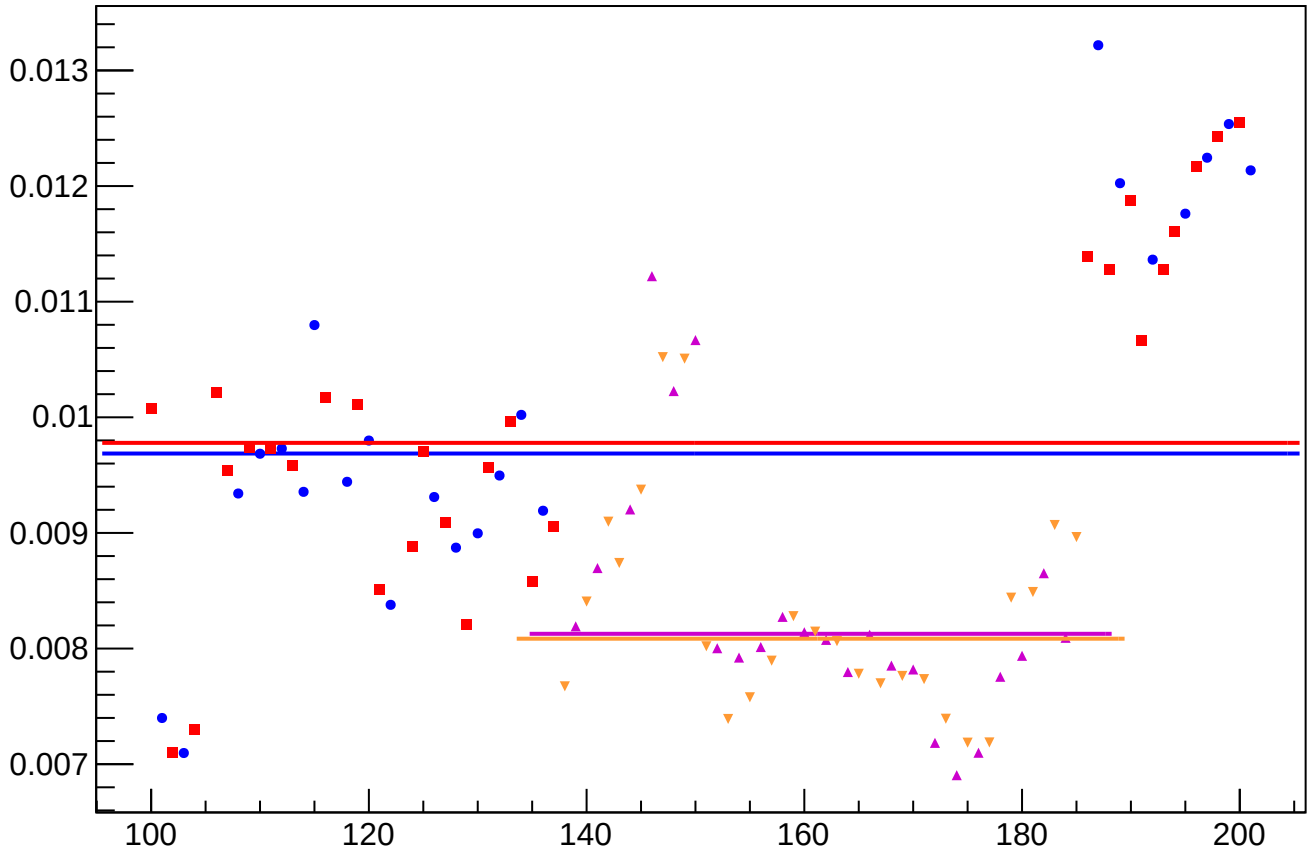
Right Out: -0.943+/-0.000 χ^2/NDF: 16556778016.0/27

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.163+/-0.000 χ^2/NDF: 21452786851.1/47

All: -1.160+/-0.000 χ^2/NDF: 50884687000.7/

- sign -1.157+/-0.000 χ^2/NDF: 29423461296.5/50



Right In: 0.010+/-0.000 χ^2/NDF: 702143.0/22

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

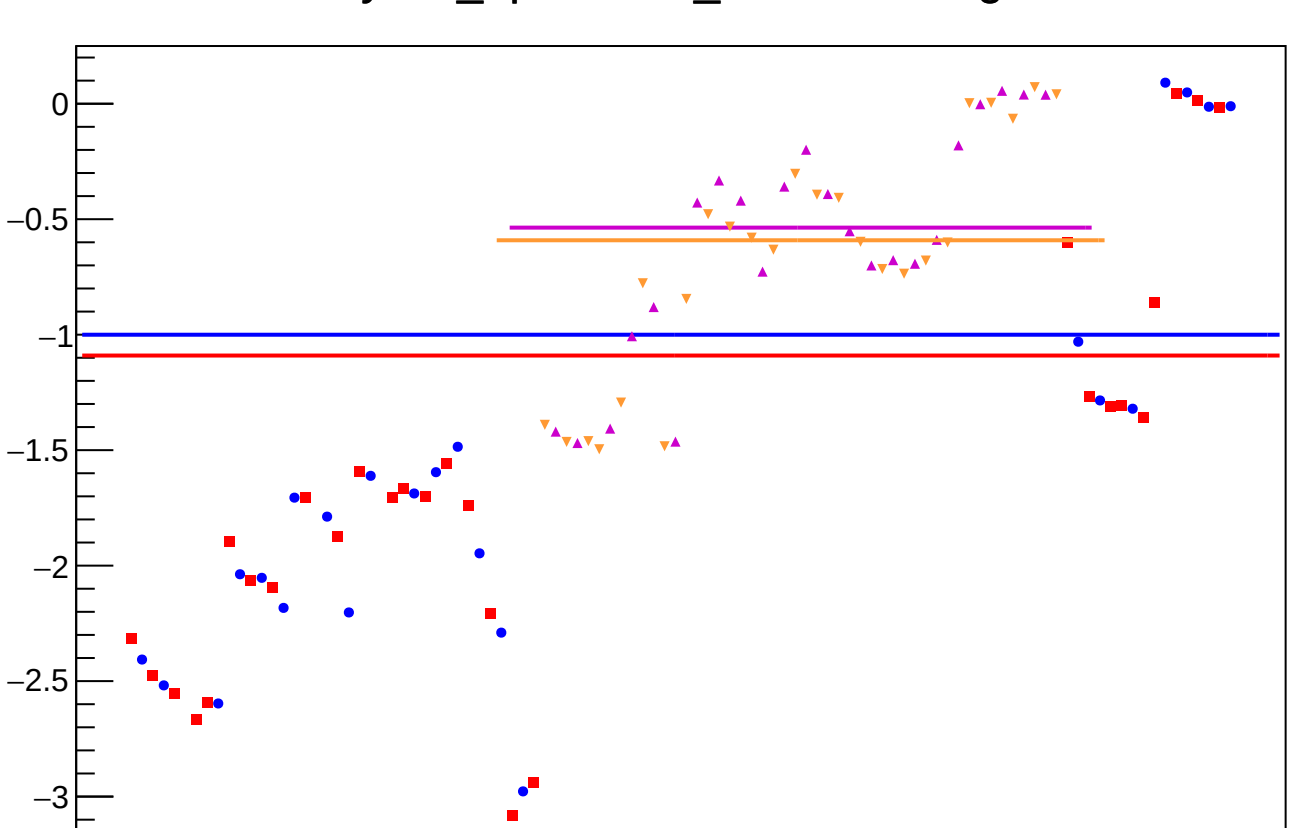
Right Out: 0.010+/-0.000 χ^2/NDF: 736990.6/27

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: 3096454.5/98

\- sign 0.009+/-0.000 χ^2/NDF: 1625773.3/50



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: -1.090+/-0.000 χ^2/NDF: 290949511247.0/27

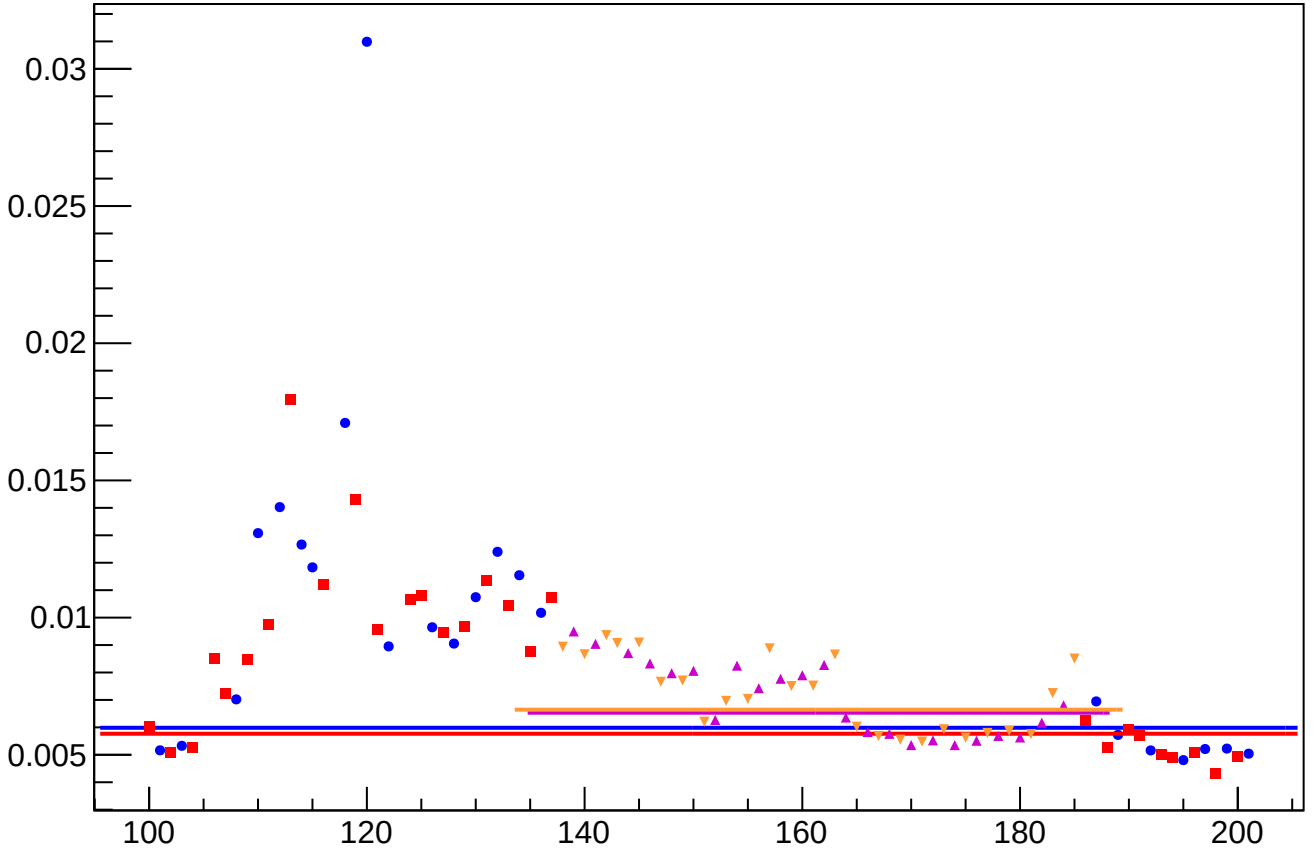
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.759+/-0.000 χ^2/NDF: 395957145013.2/47

All: -0.778+/-0.000 χ^2/NDF: 810750530446.2

- sign -0.795+/-0.000 χ^2/NDF: 414352377539.9/50

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

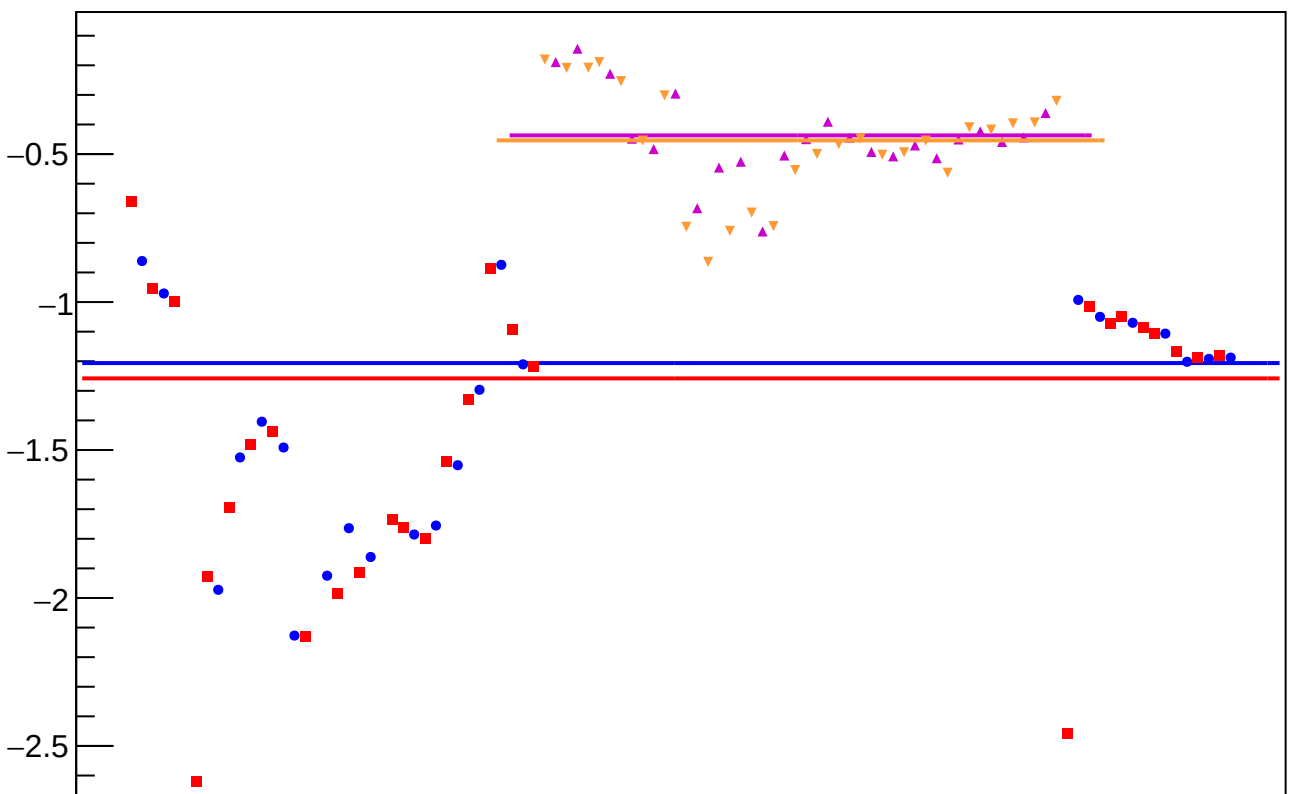
Right Out: 0.006+/-0.000 χ^2/NDF: 2344193.6/27

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: 7412544.3/98

- sign 0.006+/-0.000 χ^2/NDF: 3699473.8/50



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: -1.258+/-0.000 χ^2/NDF: 71670208986.2/27

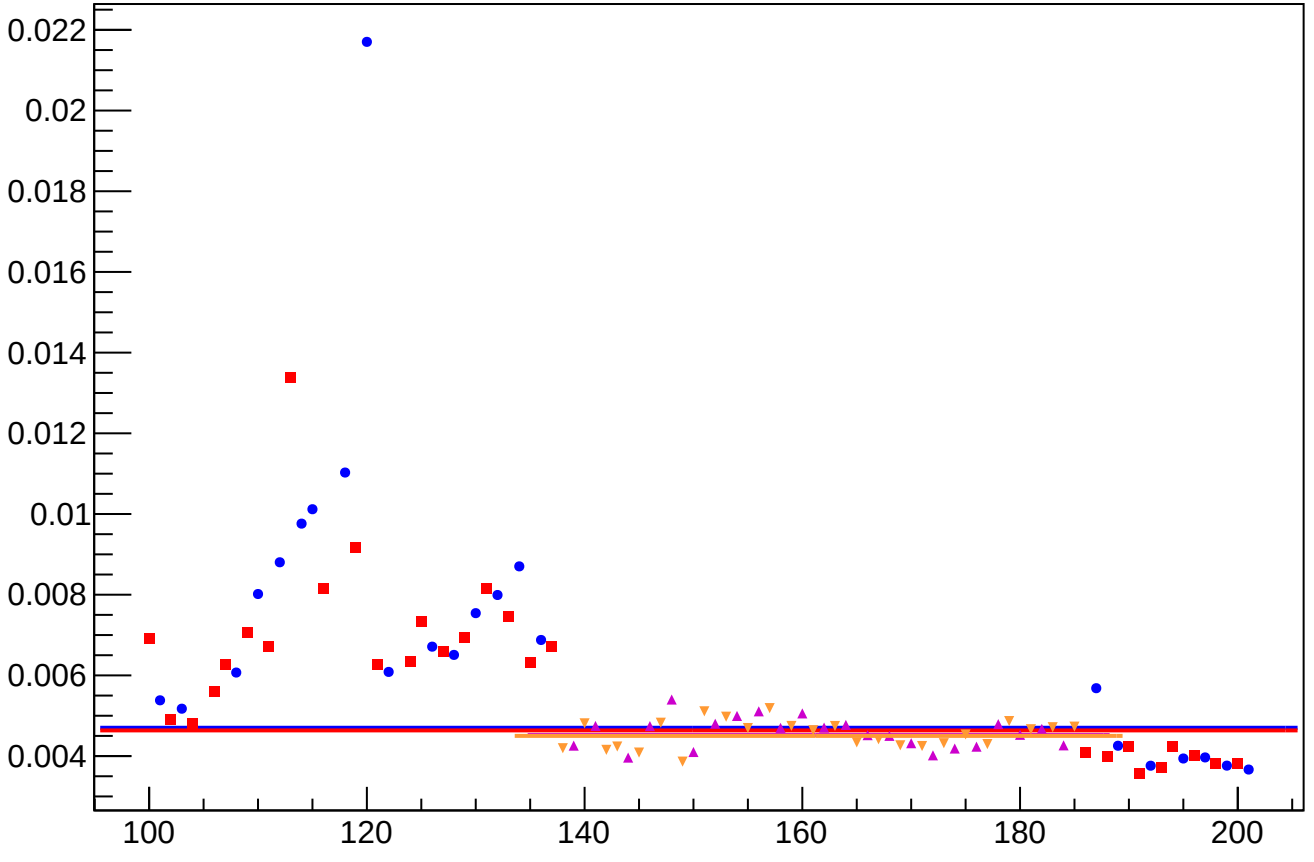
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.706+/-0.000 χ^2/NDF: 221197195364.2/47

All: -0.731+/-0.000 χ^2/NDF: 524398211908.4

- sign -0.756+/-0.000 χ^2/NDF: 301558495525.2/50

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

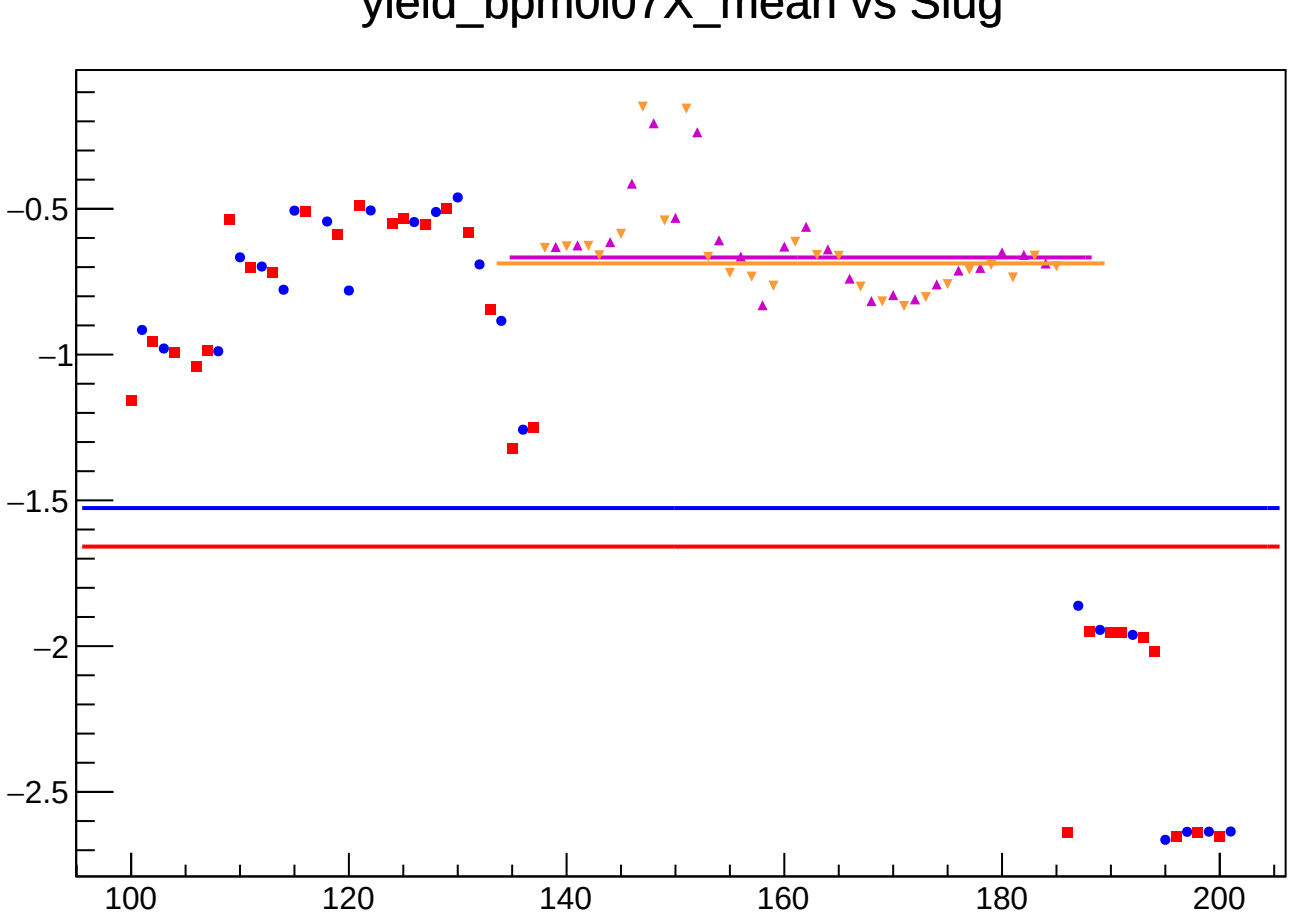
Right Out: 0.005+/-0.000 χ^2/NDF: 1810259.2/27

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: 4376214.2/98

- sign 0.005+/-0.000 χ^2/NDF: 2030872.8/50



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: -1.659+/-0.000 χ^2/NDF: 261565767800.3/27

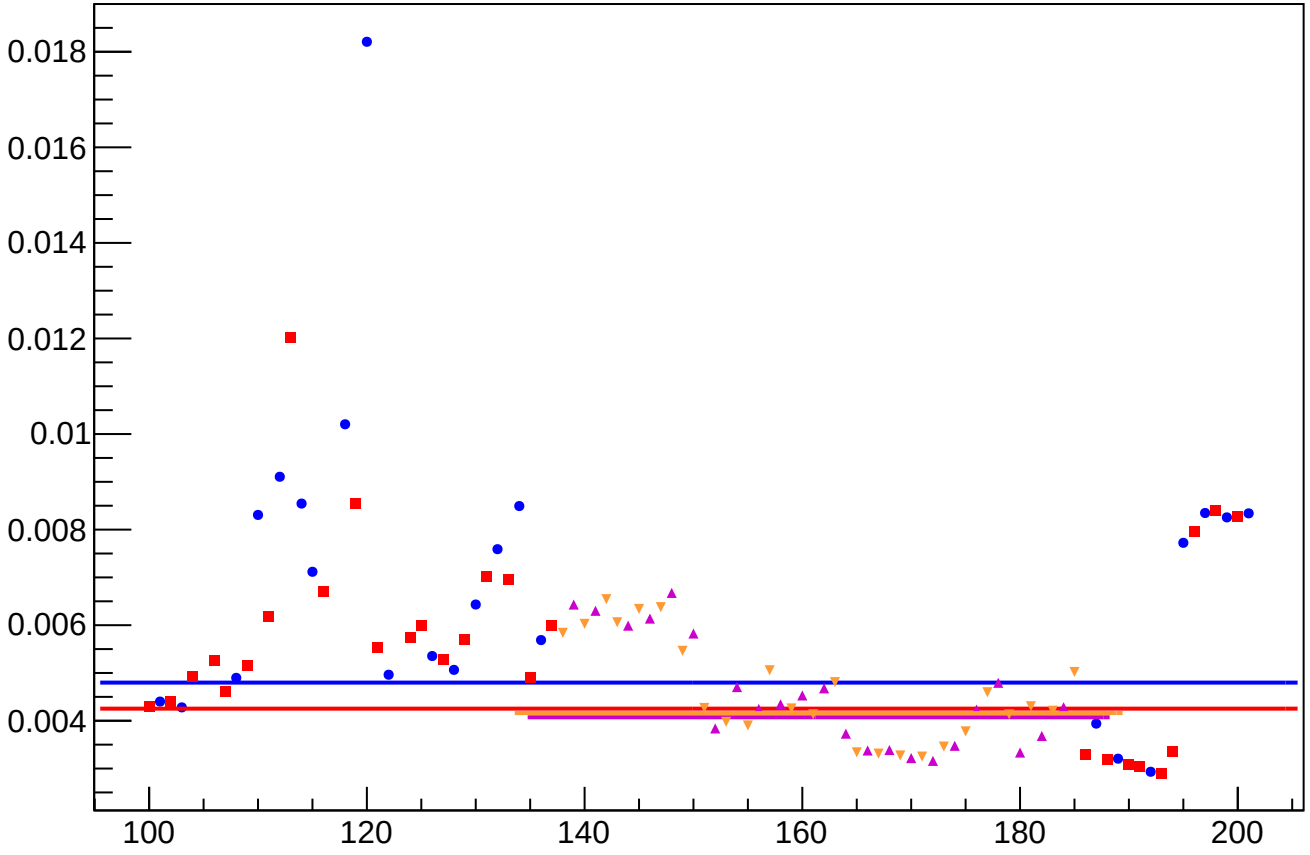
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.936+/-0.000 χ^2/NDF: 422825330220.0/47

All: -0.994+/-0.000 χ^2/NDF: 107373305032

- sign -1.046+/-0.000 χ^2/NDF: 642152314095.3/50

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: 3165714.6/27

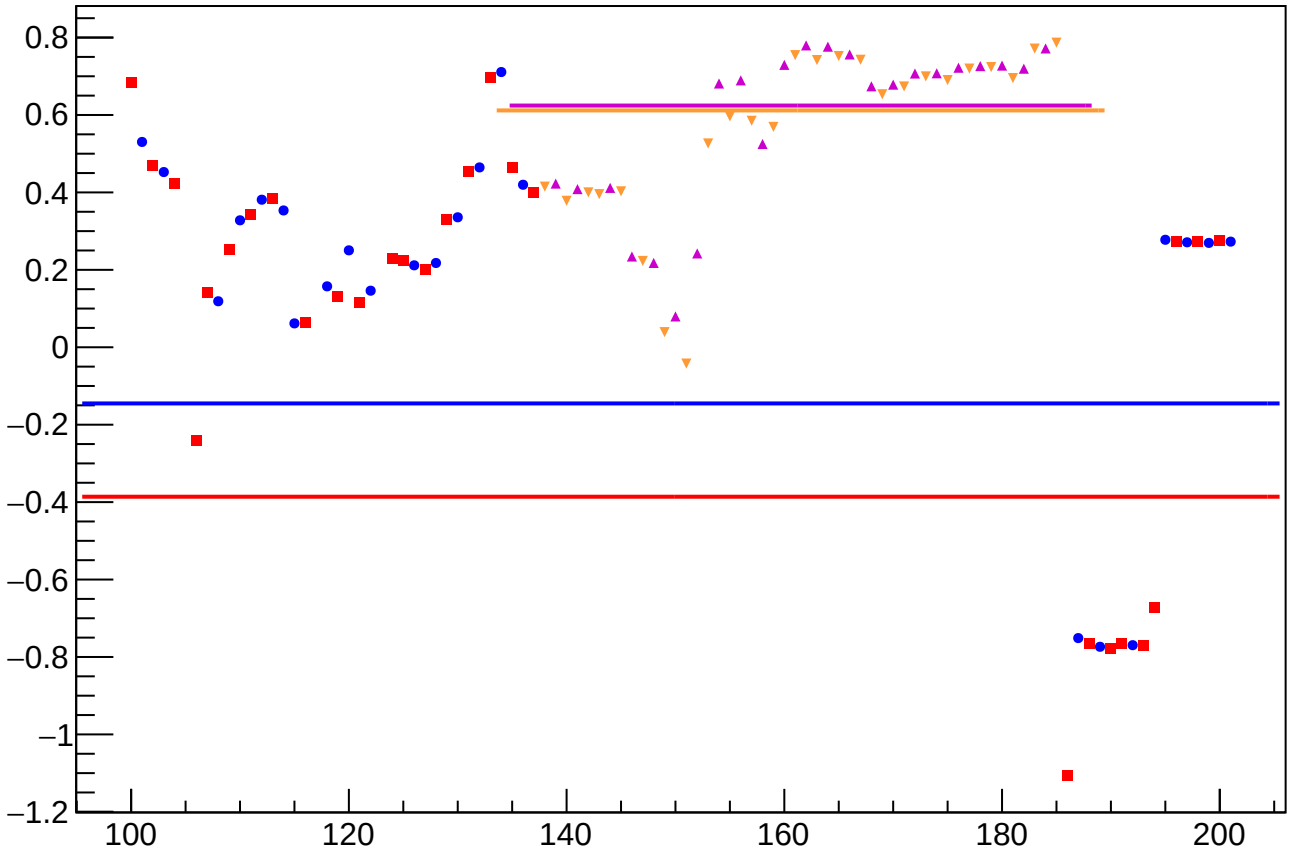
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 5072179.3/47

All: 0.004+/-0.000 χ^2/NDF: 10074799.6/98

- sign 0.004+/-0.000 χ^2/NDF: 4939862.6/50

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: -0.386+/-0.000 χ^2/NDF: 437249921565.8/27

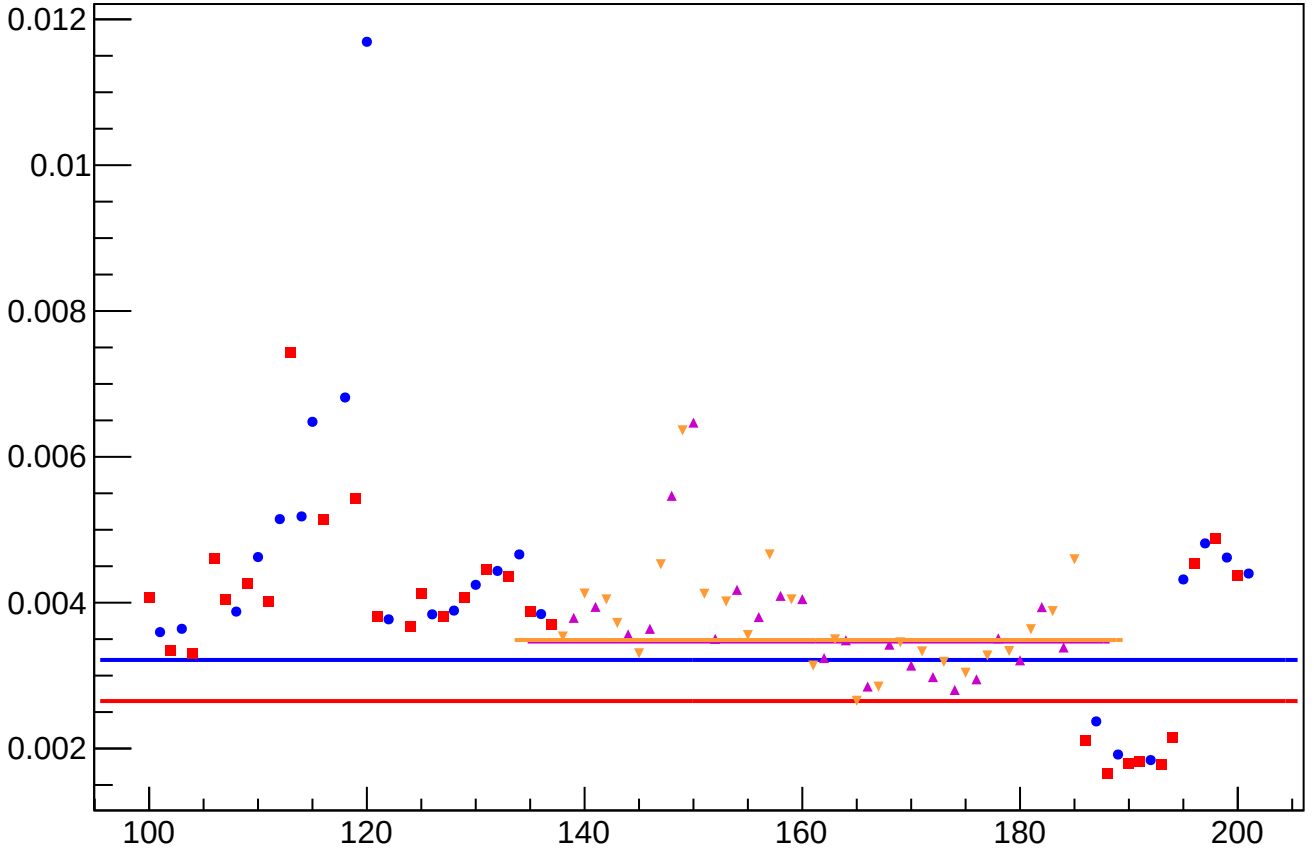
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.297+/-0.000 χ^2/NDF: 650451401458.7/47

All: 0.179+/-0.000 χ^2/NDF: 1881337708154.

- sign 0.081+/-0.000 χ^2/NDF: 1173099642357.2/50

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

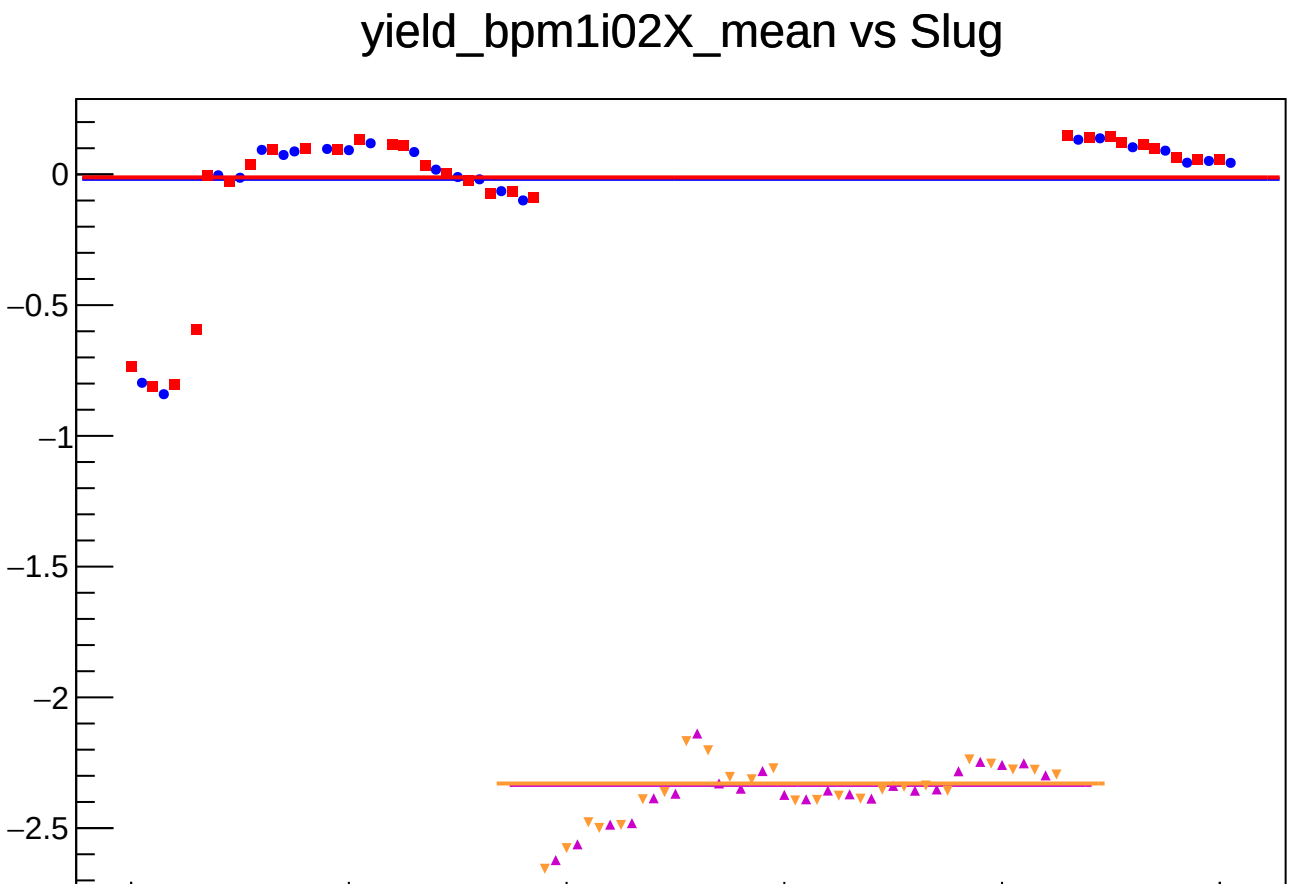
Right Out: 0.003+/-0.000 χ^2/NDF: 3942586.8/27

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: 10032027.1/98

- sign 0.003+/-0.000 χ^2/NDF: 5743600.8/50



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: -0.011+/-0.000 χ^2/NDF: 7665629487.1/27

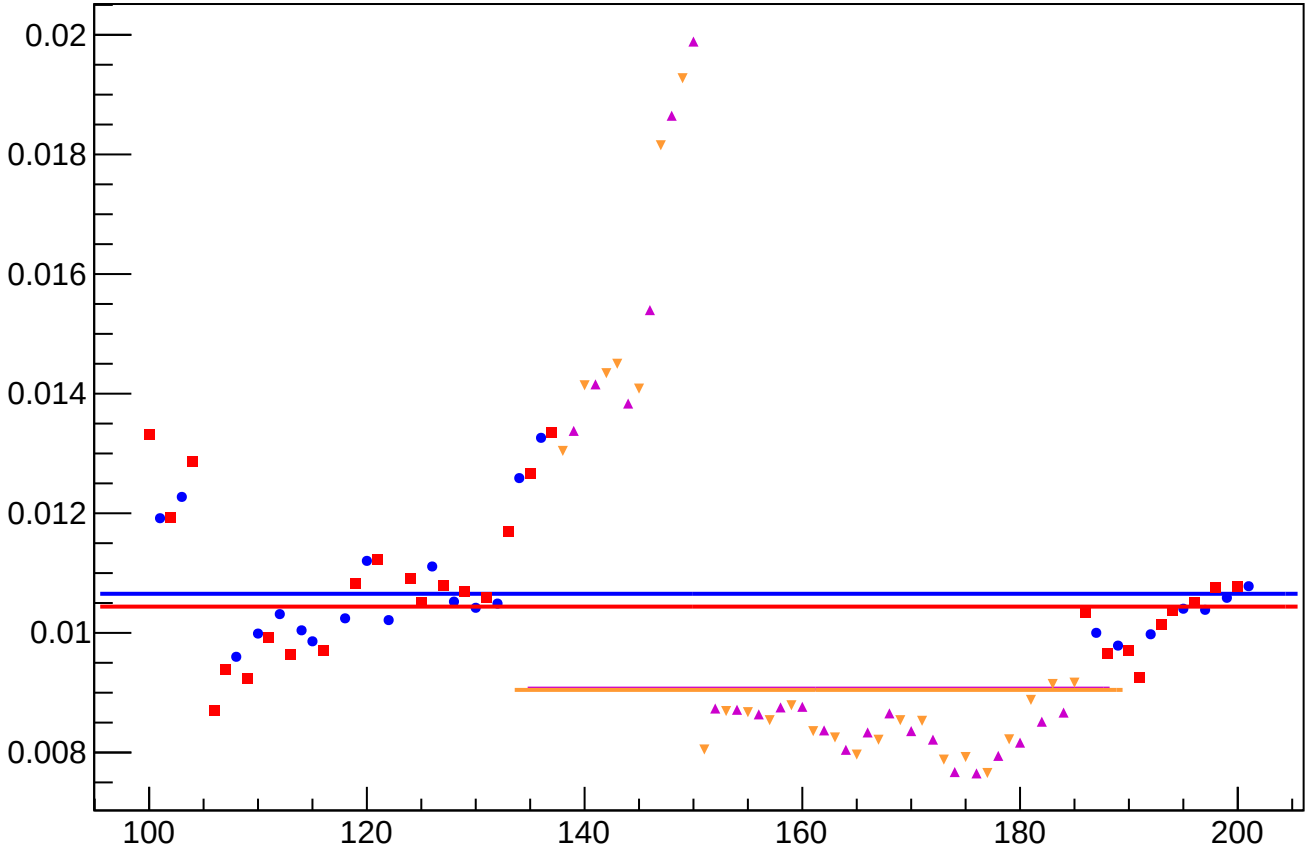
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.576+/-0.000 χ^2/NDF: 395393351439.8/47

All: -1.522+/-0.000 χ^2/NDF: 826737048109.3

- sign -1.468+/-0.000 χ^2/NDF: 429415872882.0/50

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: 224529.1/27

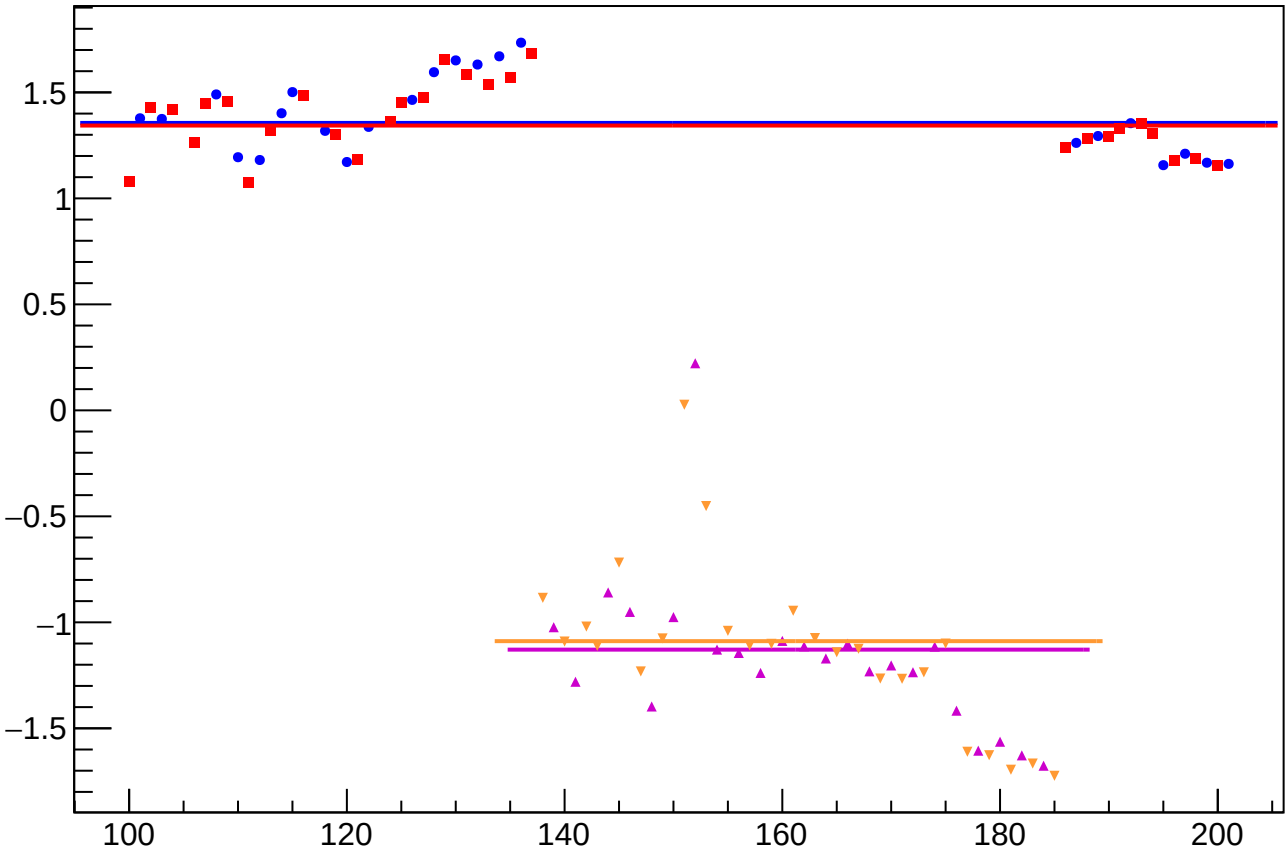
Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2589249.2/47

All: 0.010+/-0.000 χ^2/NDF: 5240730.1/98

- sign 0.010+/-0.000 χ^2/NDF: 2651453.8/50

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: 1.344+/-0.000 χ^2/NDF: 4923585392.8/27

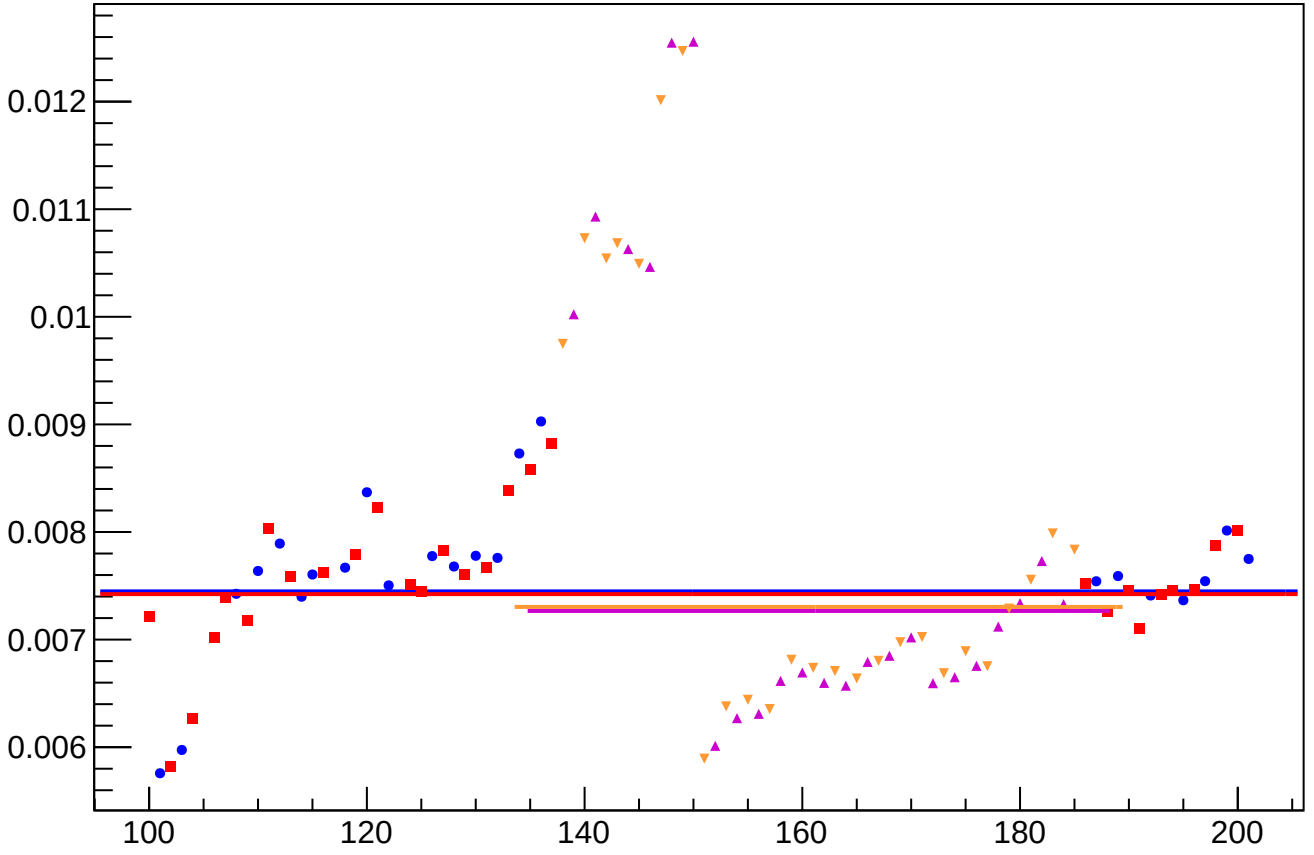
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.143+/-0.000 χ^2/NDF: 868488432789.5/47

All: -0.109+/-0.000 χ^2/NDF: 1794799974171

- sign -0.076+/-0.000 χ^2/NDF: 925013240126.9/50

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: 214640.5/27

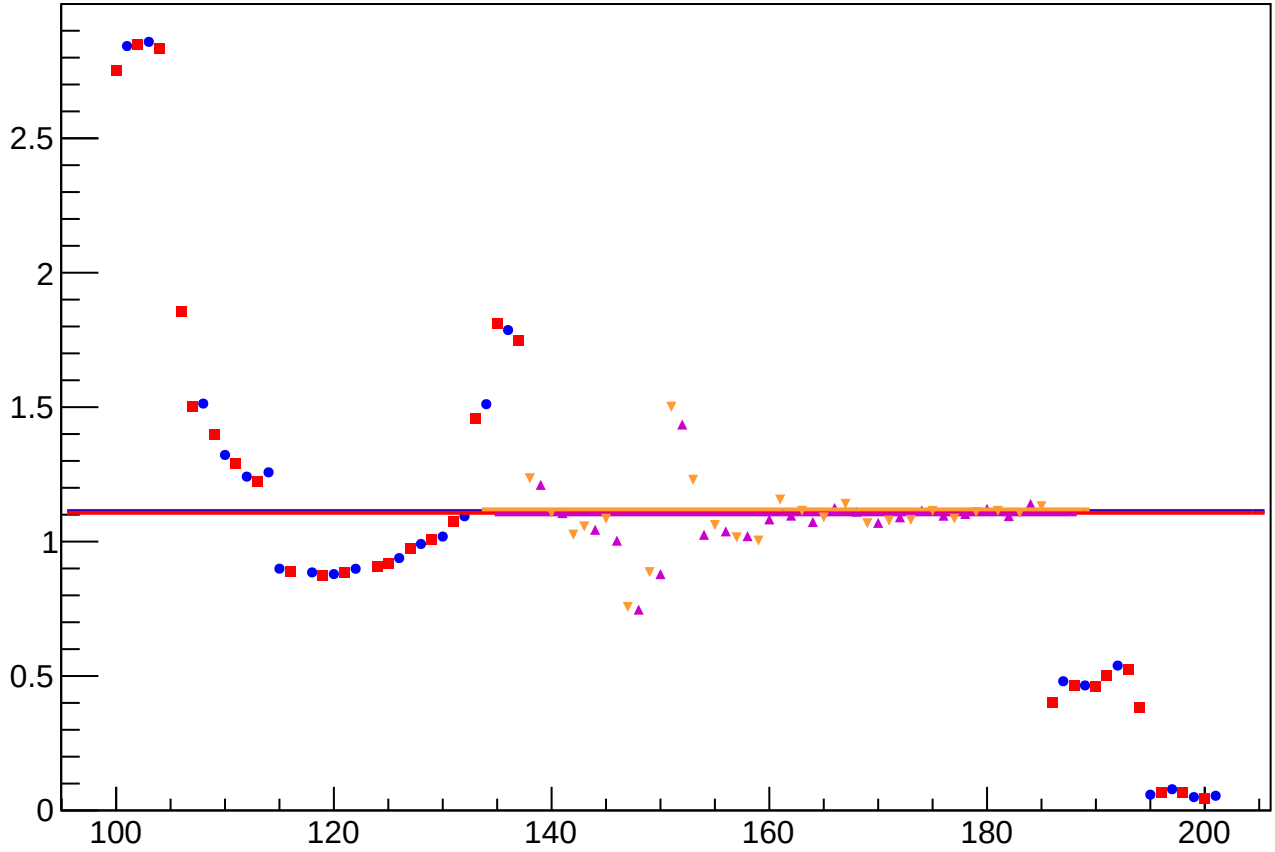
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1795347.2/47

All: 0.007+/-0.000 χ^2/NDF: 3577362.1/98

- sign 0.007+/-0.000 χ^2/NDF: 1781613.1/50

yield_bpm1i04X_mean vs Slug



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: 1.107+/-0.000 χ^2/NDF: 107927322709.0/27

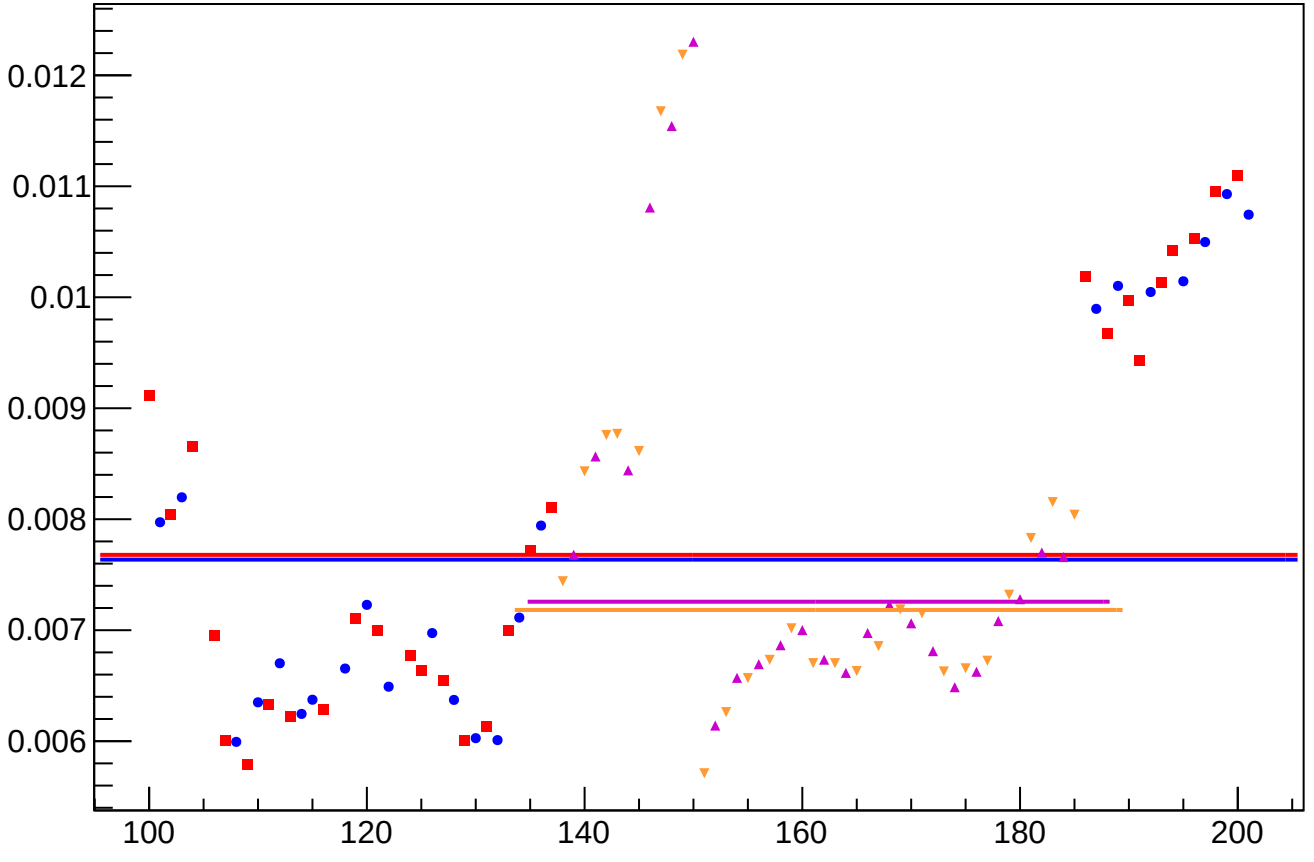
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.117+/-0.000 χ^2/NDF: 115645377055.9/47

All: 1.111+/-0.000 χ^2/NDF: 227831143190.4

- sign 1.104+/-0.000 χ^2/NDF: 112133904665.3/50

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

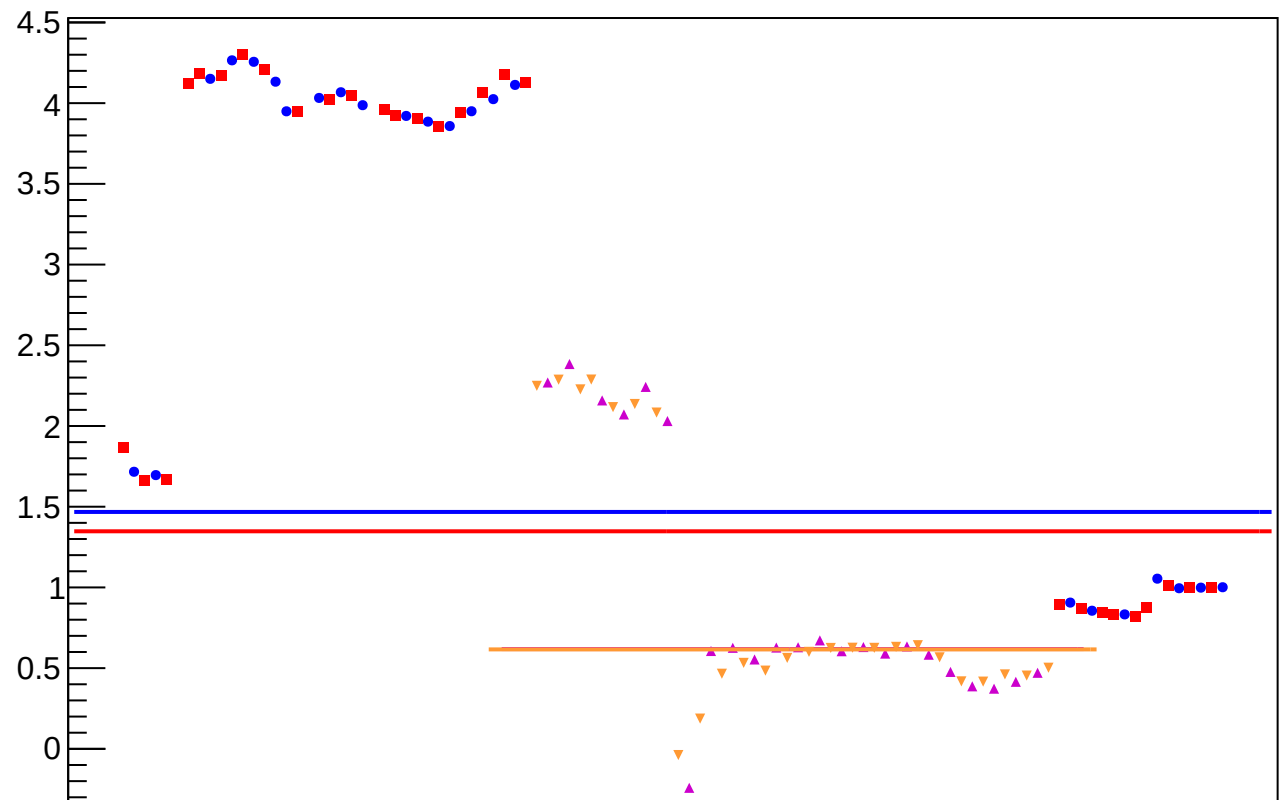
Right Out: 0.008+/-0.000 χ^2/NDF: 1325049.6/27

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: 4343530.4/98

- sign 0.007+/-0.000 χ^2/NDF: 2288947.1/50



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: 1.348+/-0.000 χ^2/NDF: 1713254379579.9/27

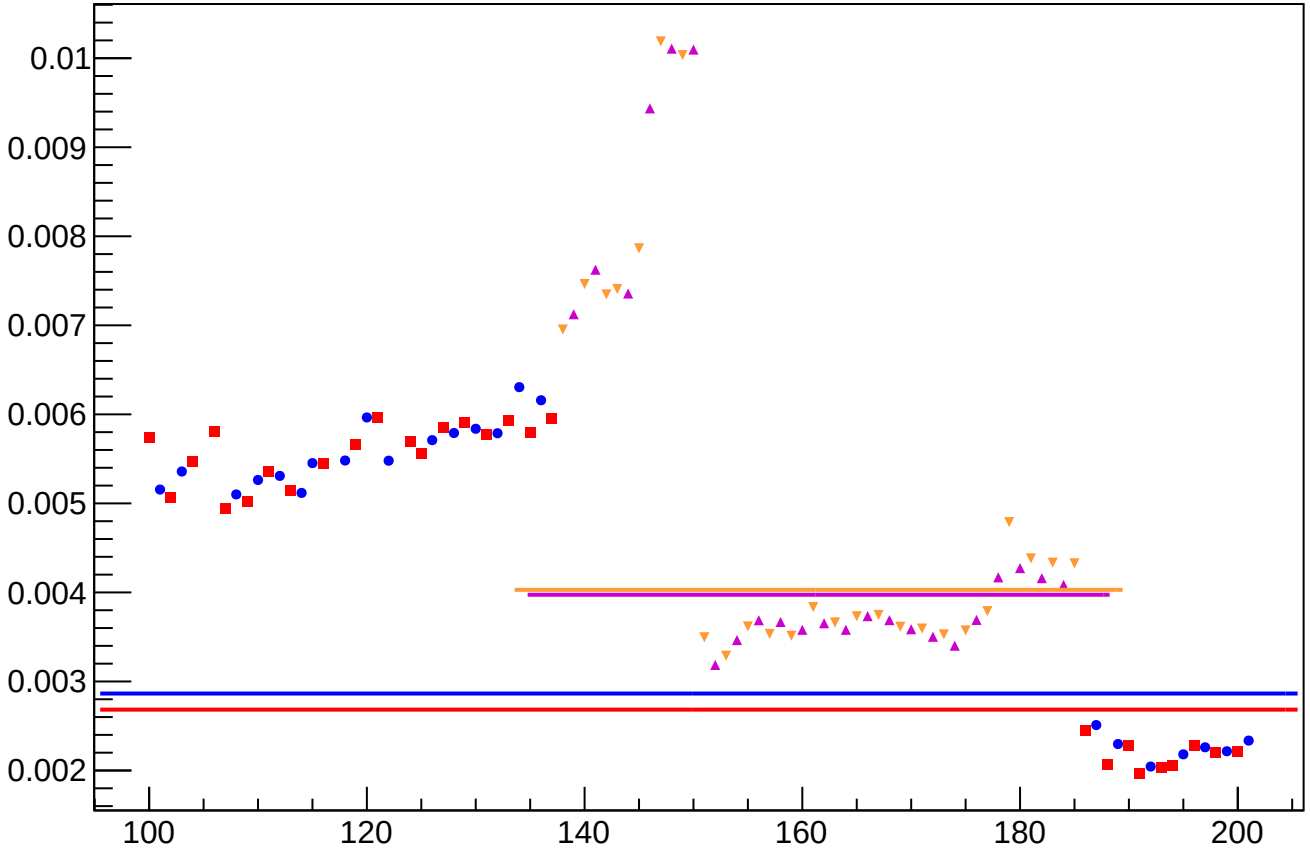
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.067+/-0.000 χ^2/NDF: 2156947725737.2/47

All: 1.059+/-0.000 χ^2/NDF: 4449432214417.

- sign 1.052+/-0.000 χ^2/NDF: 2292217690974.9/50

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

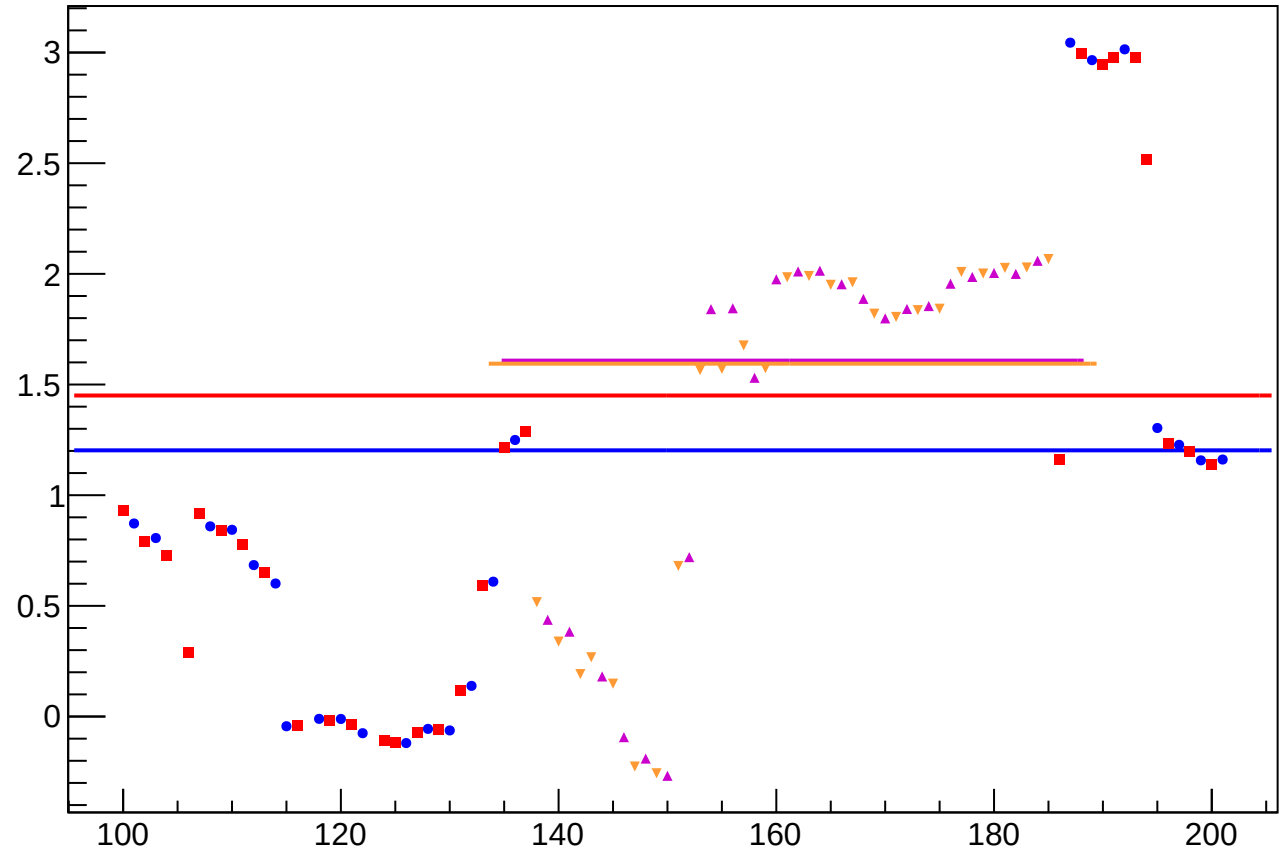
Right Out: 0.003+/-0.000 χ^2/NDF: 4663532.9/27

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: 18685482.1/98

- sign 0.003+/-0.000 χ^2/NDF: 9817710.3/50



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: 1.450+/-0.000 χ^2/NDF: 103858104239.7/27

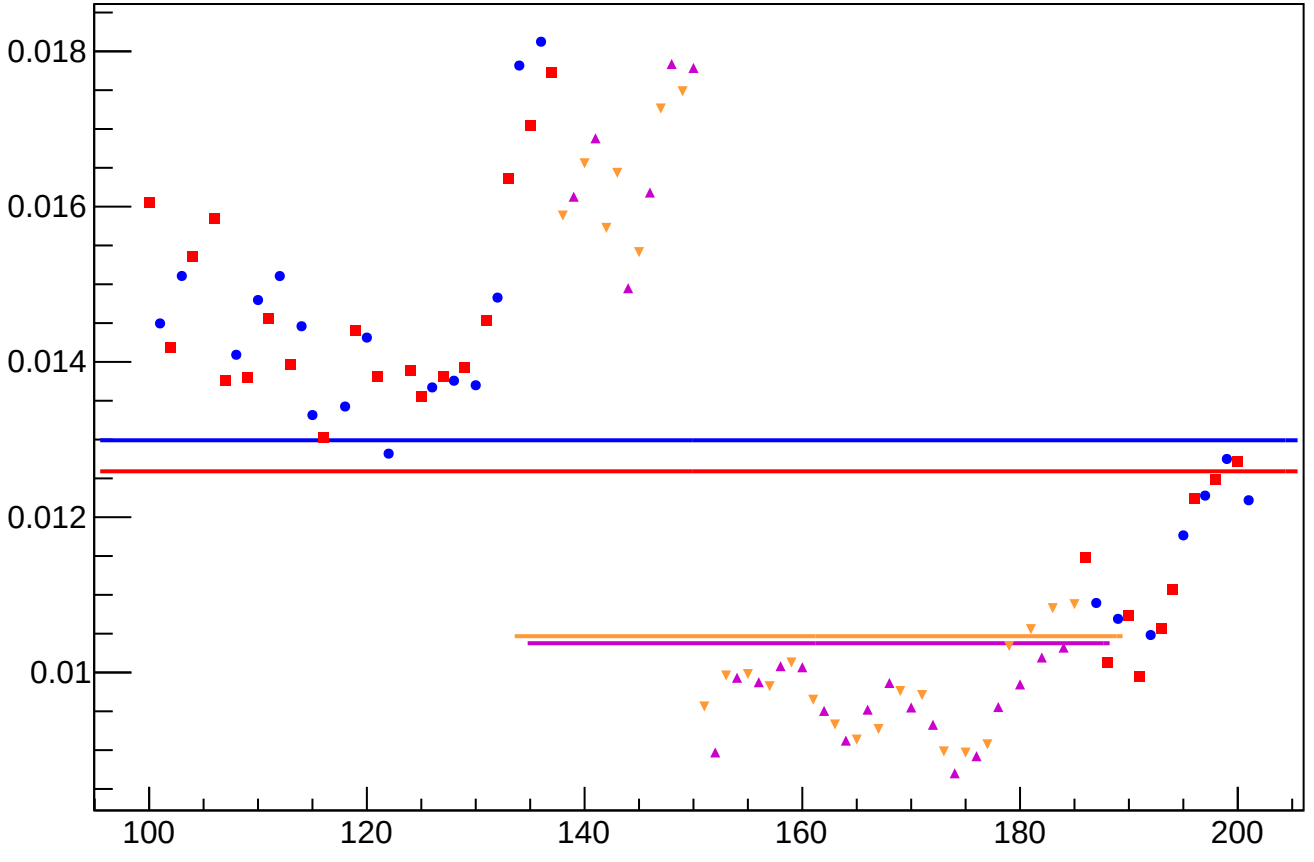
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.478+/-0.000 χ^2/NDF: 147733994060.0/47

All: 1.516+/-0.000 χ^2/NDF: 320064142624.7

- sign 1.554+/-0.000 χ^2/NDF: 171621068165.2/50

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: 589351.2/27

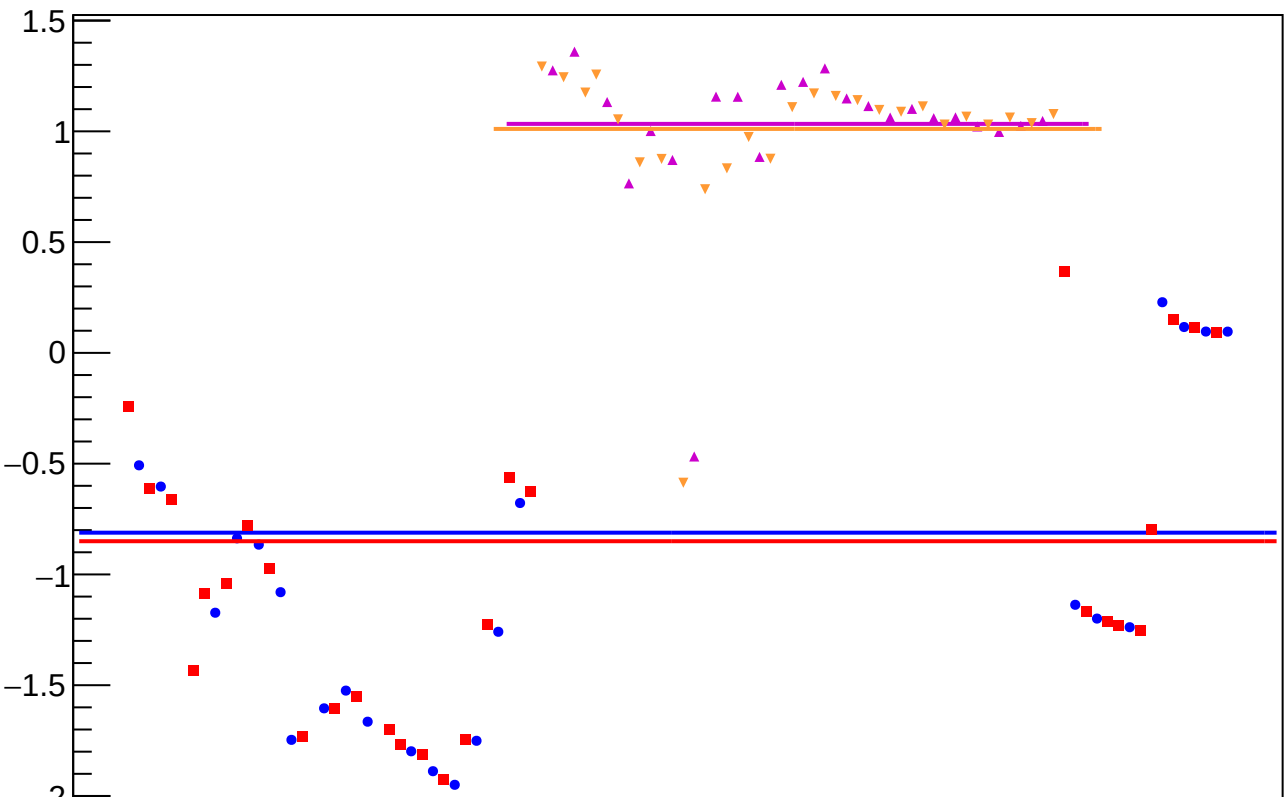
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2795764.2/47

All: 0.011+/-0.000 χ^2/NDF: 5634029.8/98

- sign 0.011+/-0.000 χ^2/NDF: 2836405.3/50

yield_bpm1i06Y_mean vs Slug



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: -0.850+/-0.000 χ^2/NDF: 130196399371.0/27

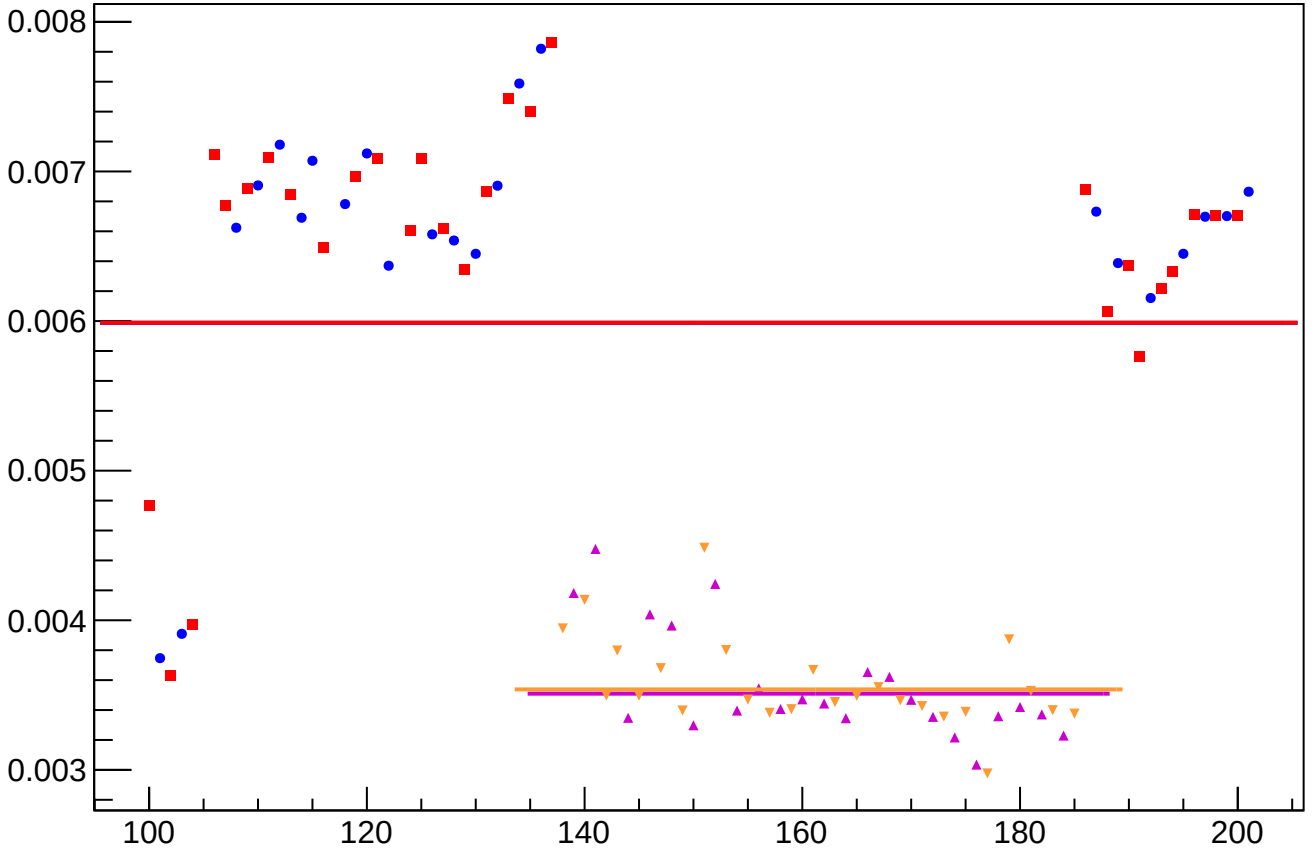
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.680+/-0.000 χ^2/NDF: 1105463610124.2/47

All: 0.665+/-0.000 χ^2/NDF: 2336537457832.

- sign 0.649+/-0.000 χ^2/NDF: 1230261125213.6/50

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: 1098353.5/27

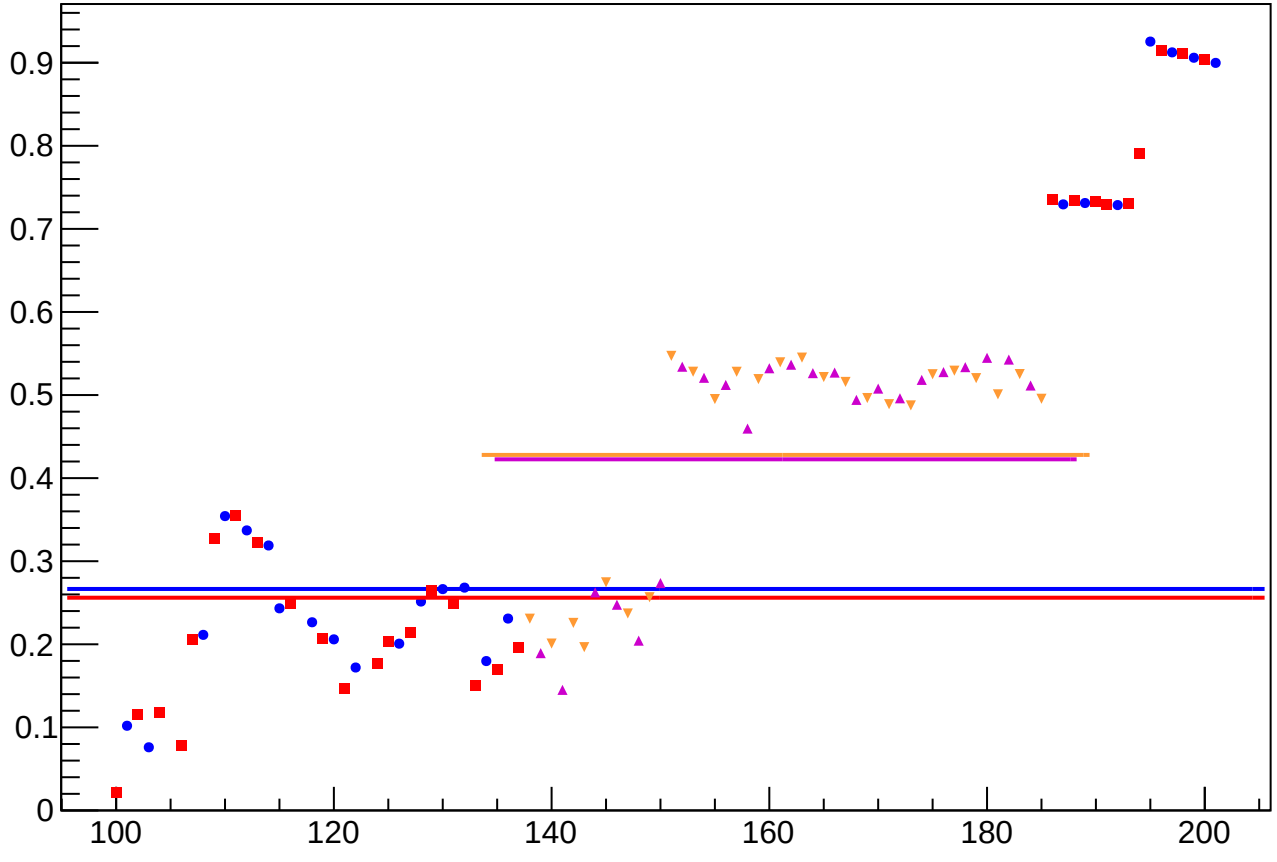
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 4343813.8/47

All: 0.004+/-0.000 χ^2/NDF: 9106764.3/98

- sign 0.004+/-0.000 χ^2/NDF: 4761102.8/50

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: 0.256+/-0.000 χ^2/NDF: 142663738462.6/27

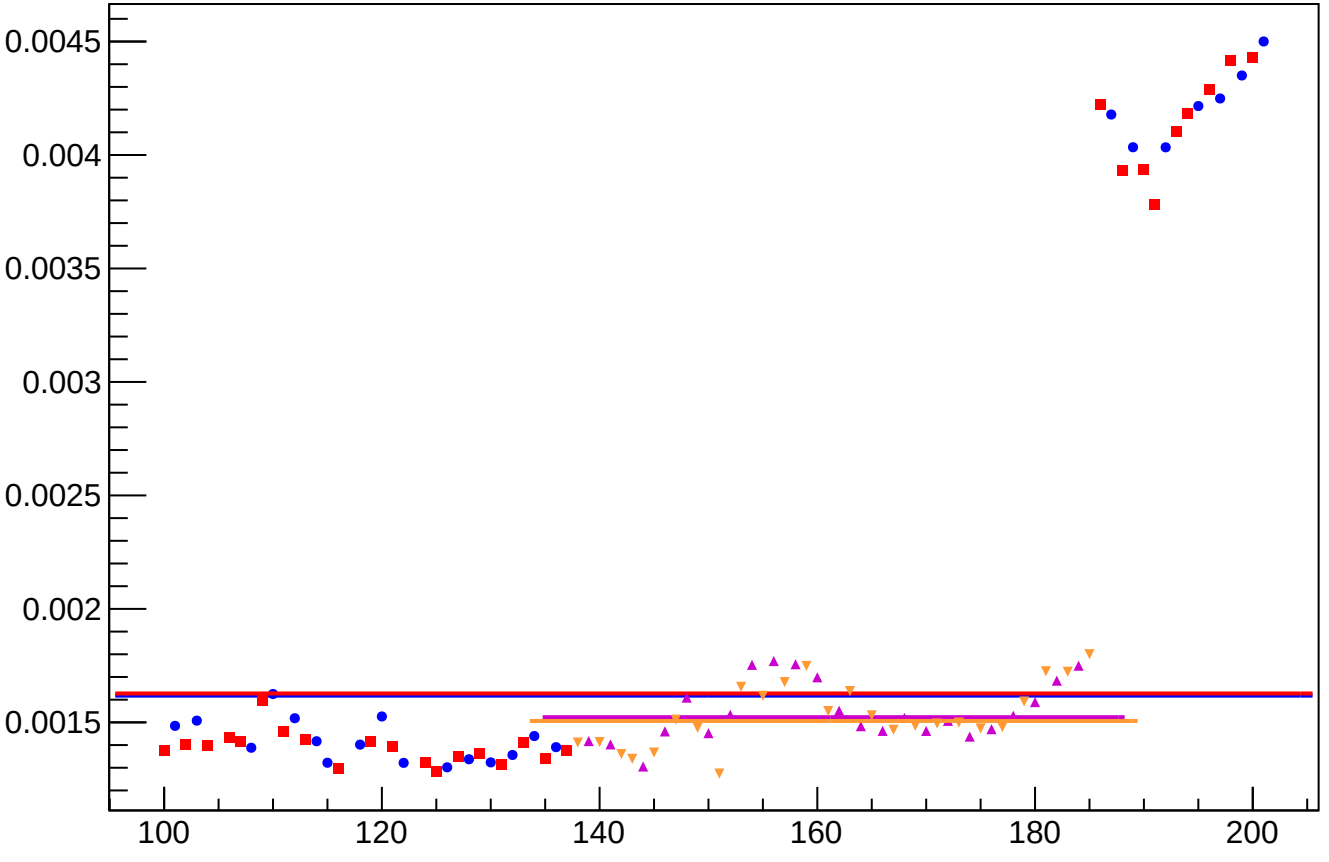
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.378+/-0.000 χ^2/NDF: 344282866087.0/47

All: 0.371+/-0.000 χ^2/NDF: 721074097027.7

- sign 0.365+/-0.000 χ^2/NDF: 375747403220.6/50

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

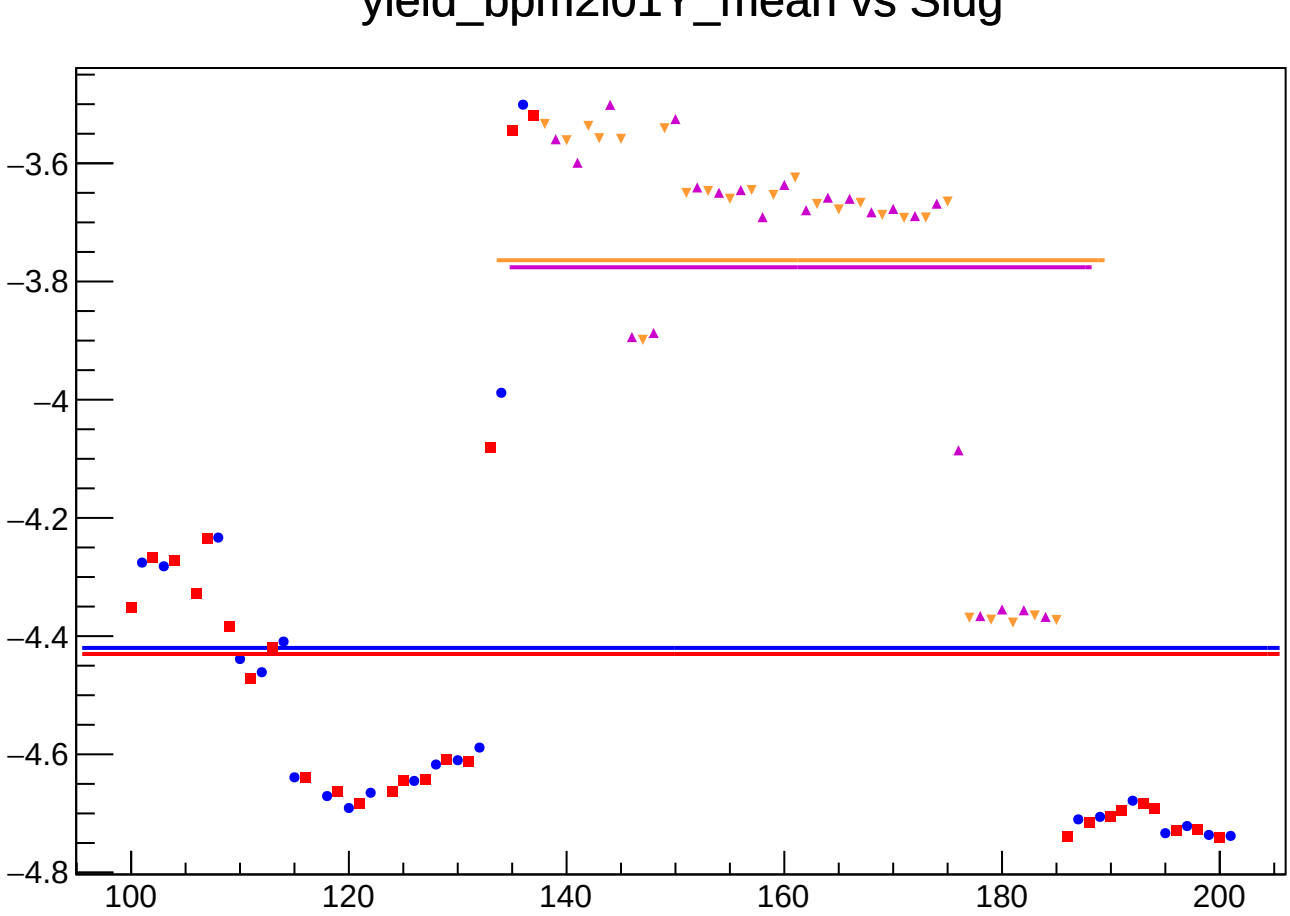
Right Out: 0.002+/-0.000 χ^2/NDF: 5067693.0/27

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: 9956361.9/98

- sign 0.002+/-0.000 χ^2/NDF: 5361375.5/50



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: -4.430+/-0.000 χ^2/NDF: 353443326340.4/27

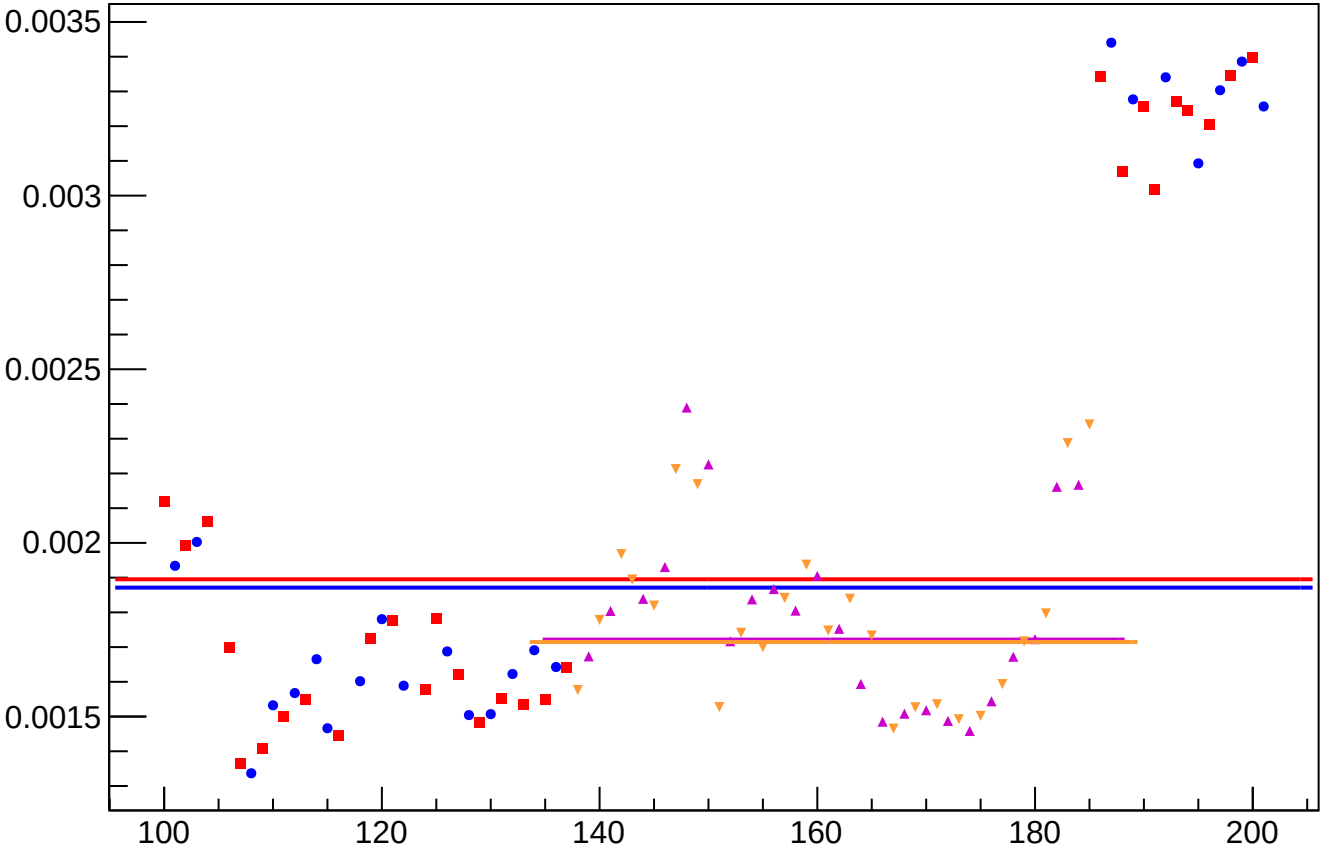
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.979+/-0.000 χ^2/NDF: 1777565524198.4/4

All: -3.995+/-0.000 χ^2/NDF: 3451312962118

- sign -4.011+/-0.000 χ^2/NDF: 1669021509271.8/5

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: 2761643.5/27

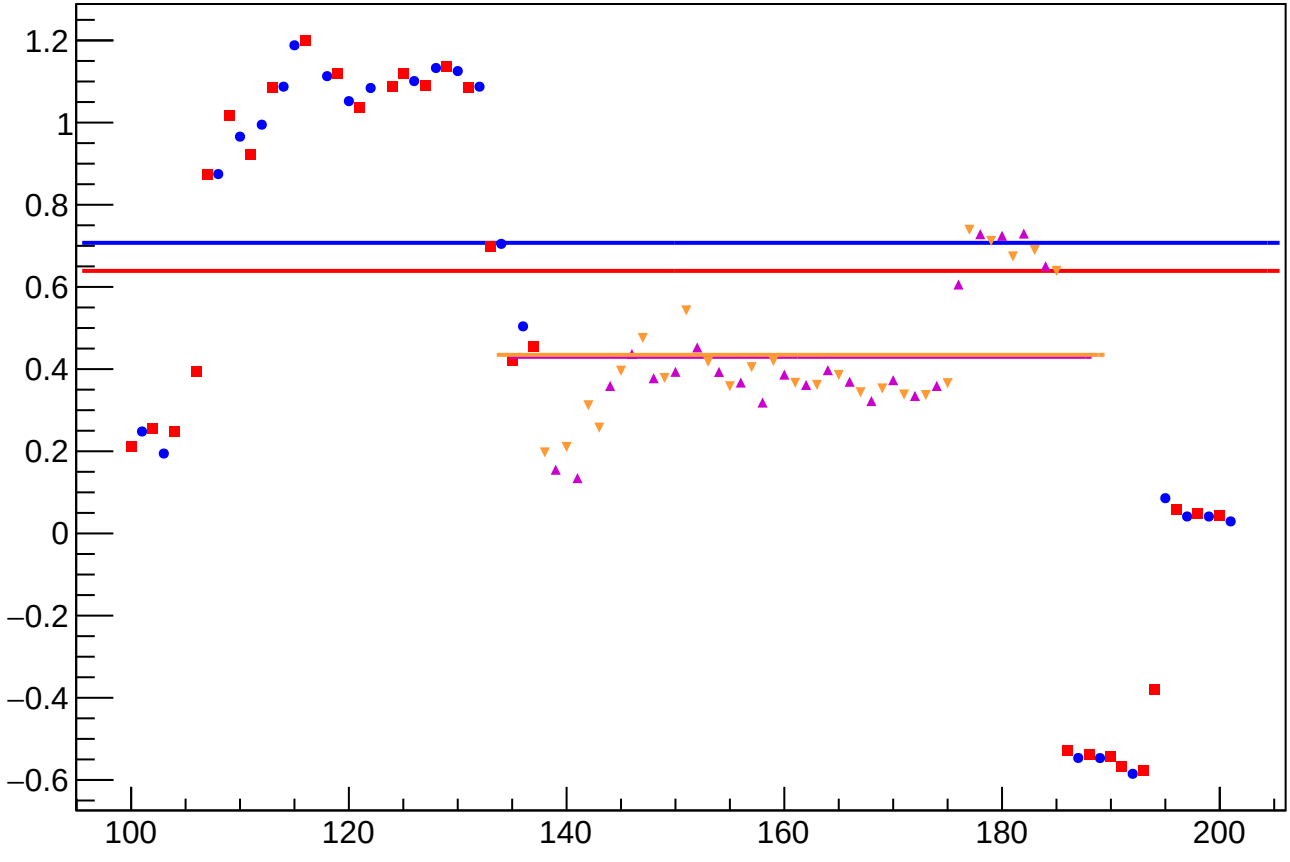
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 2991830.7/47

All: 0.002+/-0.000 χ^2/NDF: 6466944.5/98

- sign 0.002+/-0.000 χ^2/NDF: 3472081.8/50

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: 0.639+/-0.000 χ^2/NDF: 81128355001.6/27

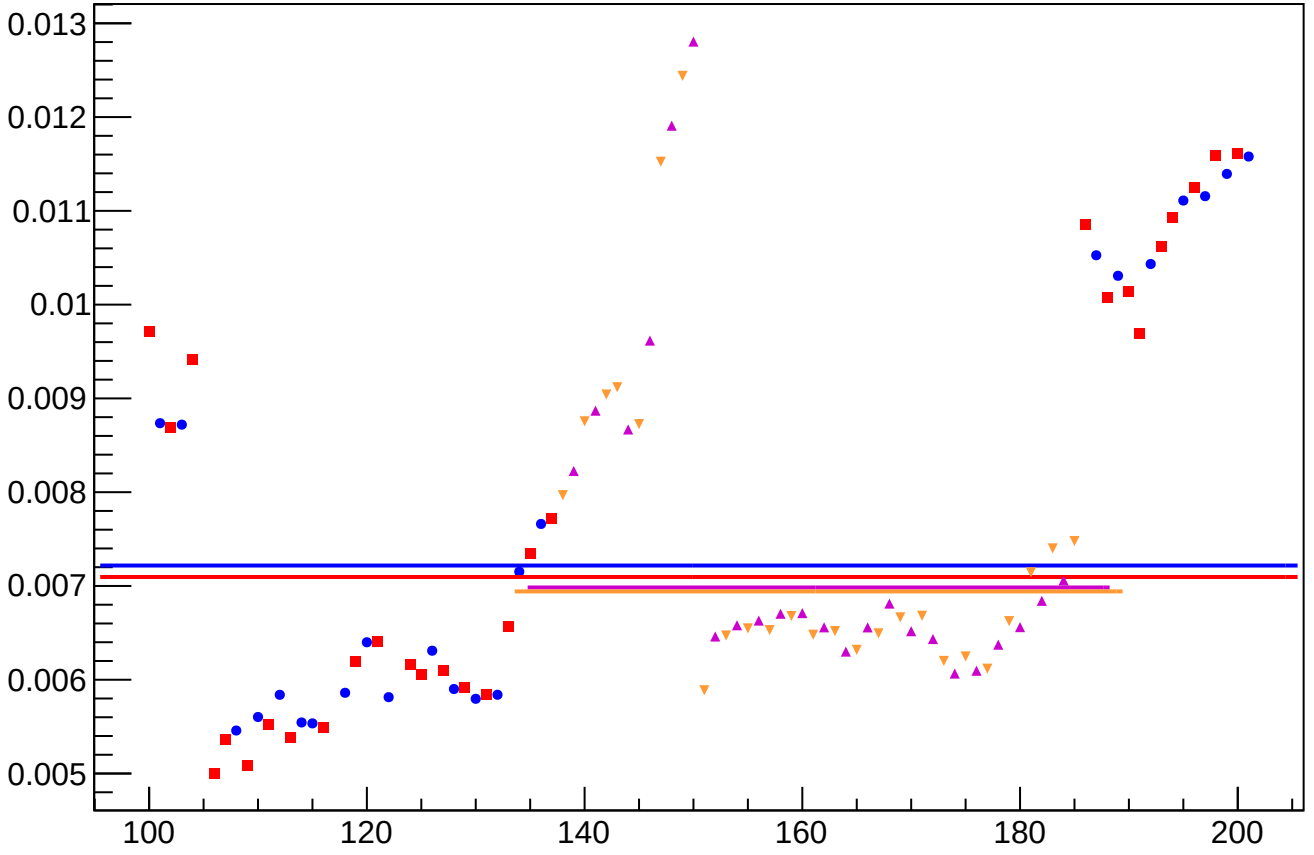
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.533+/-0.000 χ^2/NDF: 78265350819.2/47

All: 0.524+/-0.000 χ^2/NDF: 174971129931.6

- sign 0.515+/-0.000 χ^2/NDF: 96607842609.3/50

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

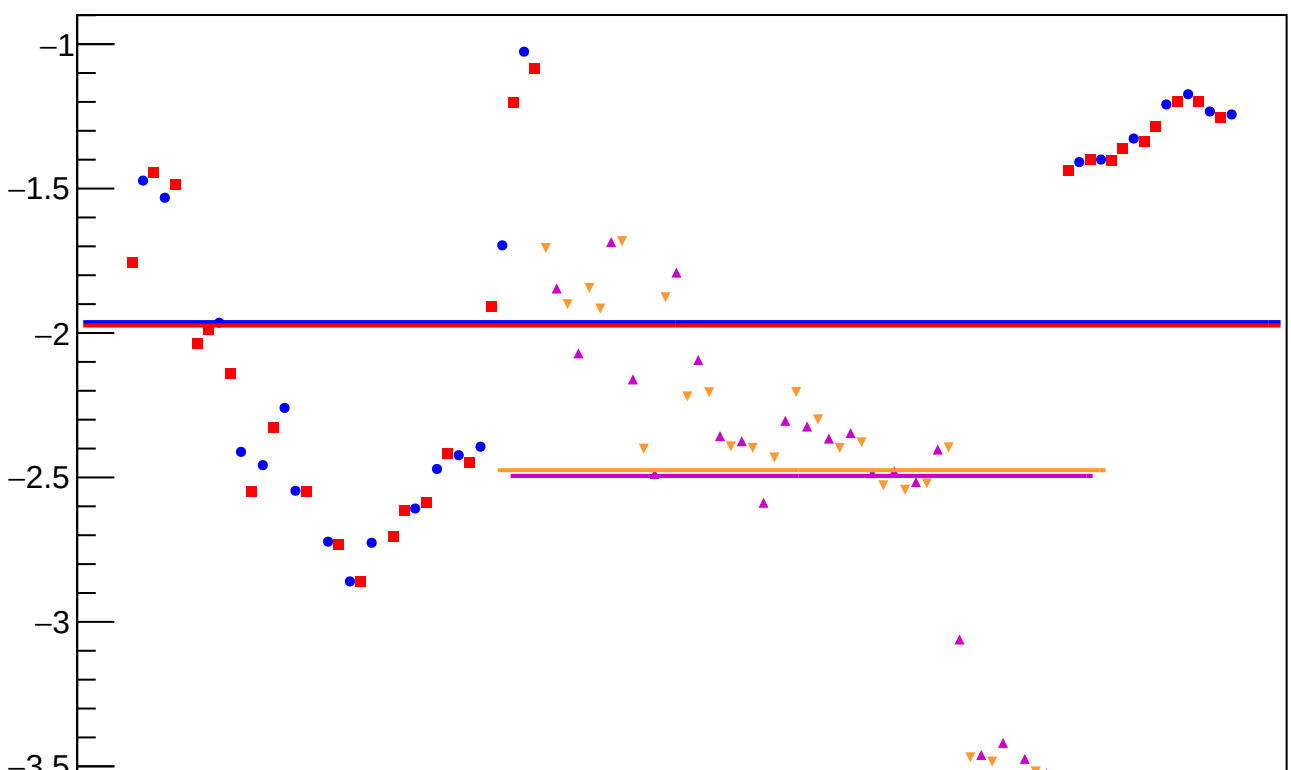
Right Out: 0.007+/-0.000 χ^2/NDF: 2327751.9/27

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: 6409246.4/98

- sign 0.007+/-0.000 χ^2/NDF: 3467957.1/50



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: -1.974+/-0.000 χ^2/NDF: 95371546165.6/27

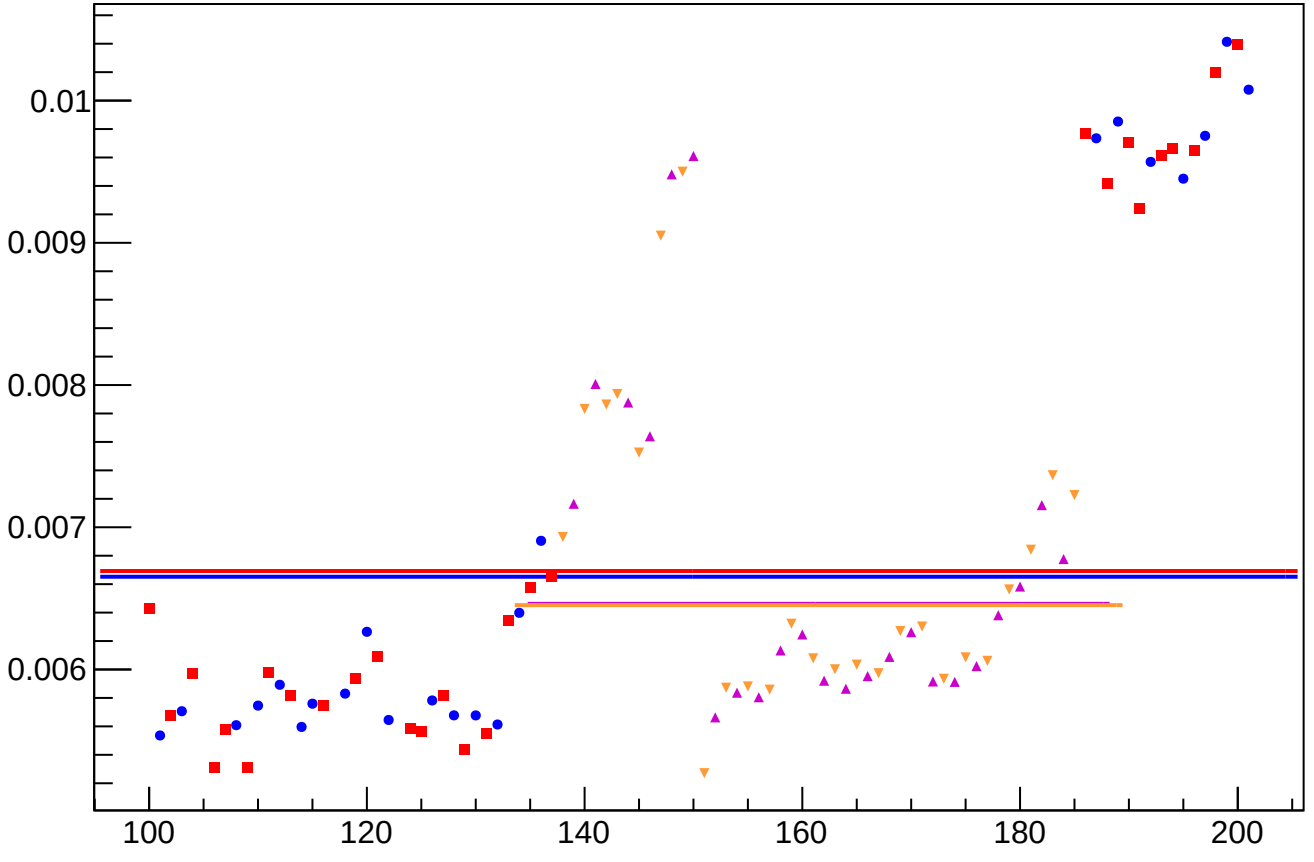
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.287+/-0.000 χ^2/NDF: 264843819554.1/47

All: -2.287+/-0.000 χ^2/NDF: 503626262737.8

- sign -2.286+/-0.000 χ^2/NDF: 238781947589.7/50

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

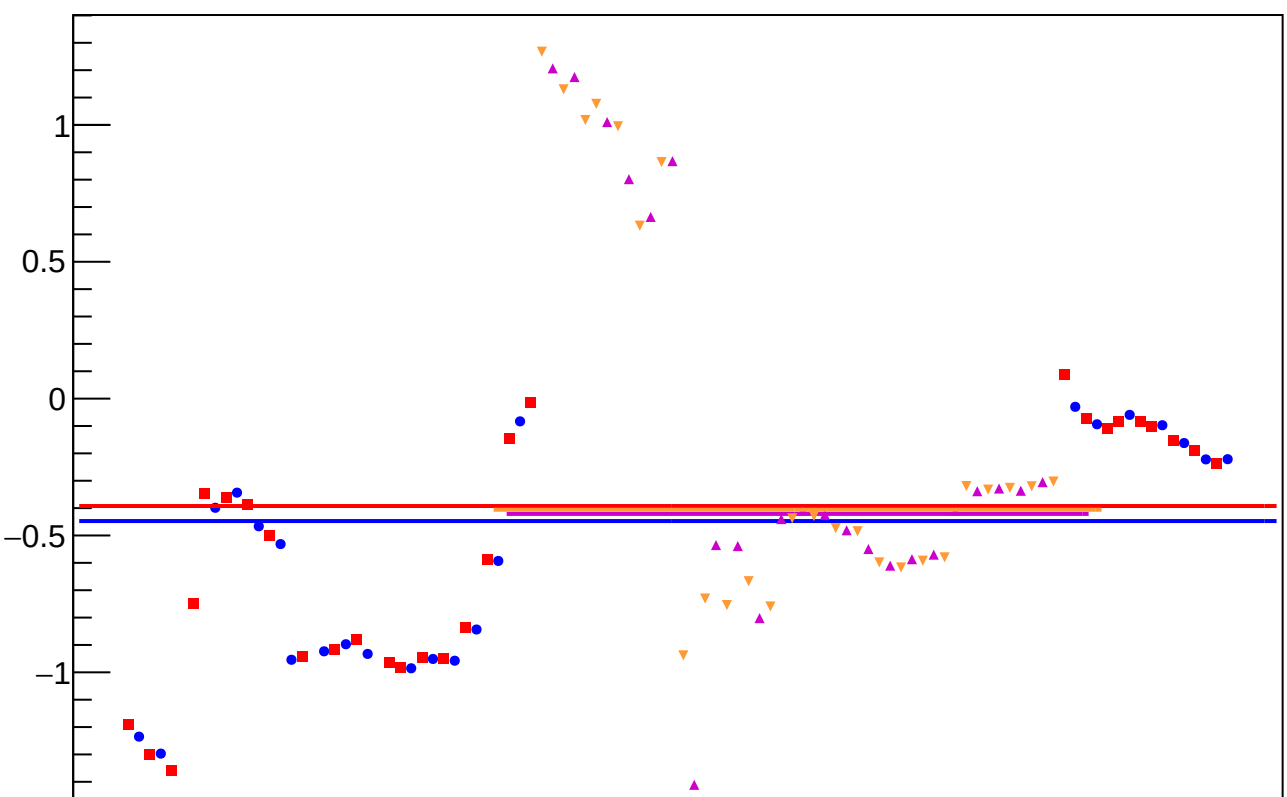
Right Out: 0.007+/-0.000 χ^2/NDF: 1645071.0/27

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: 4505188.3/98

- sign 0.007+/-0.000 χ^2/NDF: 2384044.6/50



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: -0.392+/-0.000 χ^2/NDF: 26675428445.6/27

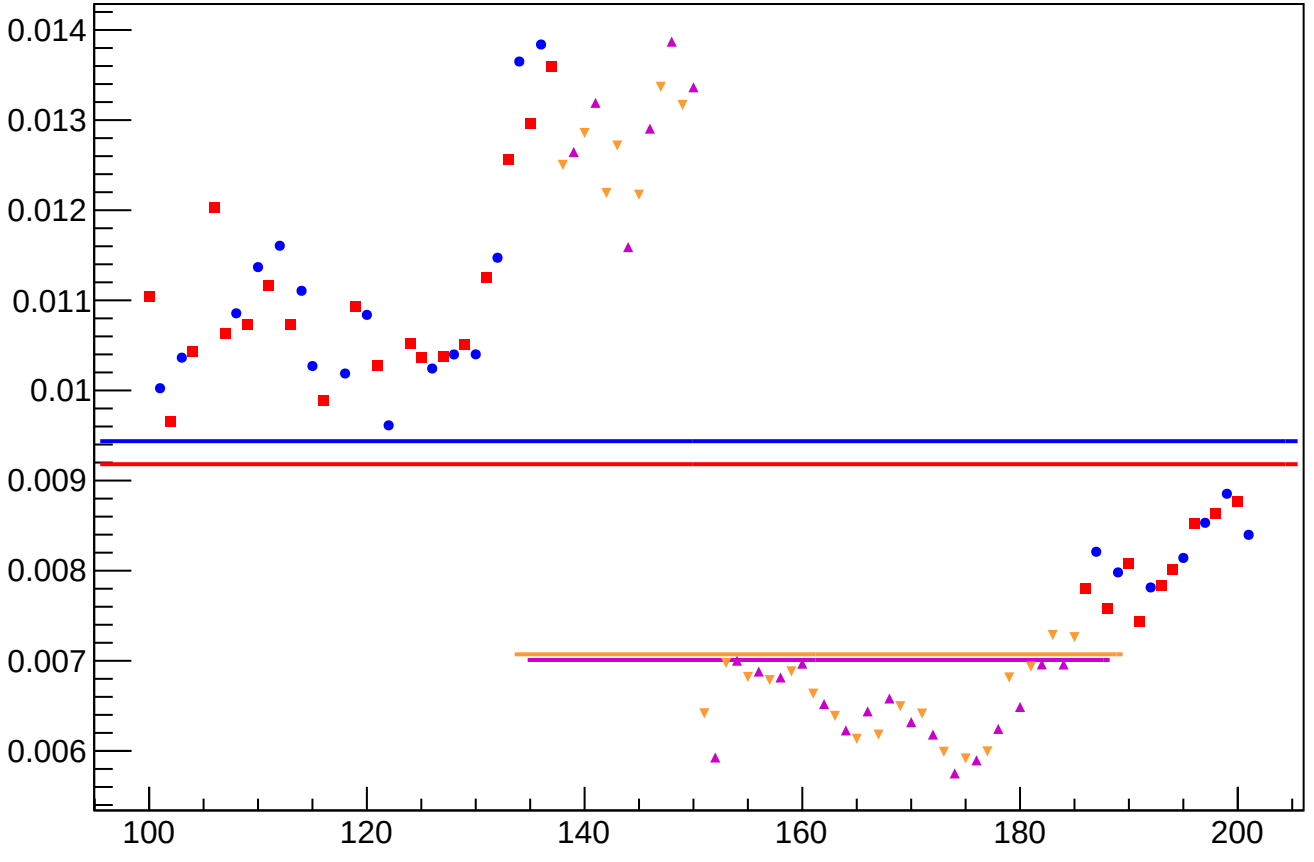
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.417+/-0.000 χ^2/NDF: 105146579094.5/47

All: -0.415+/-0.000 χ^2/NDF: 222158332548.2

- sign -0.412+/-0.000 χ^2/NDF: 117005588296.7/50

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

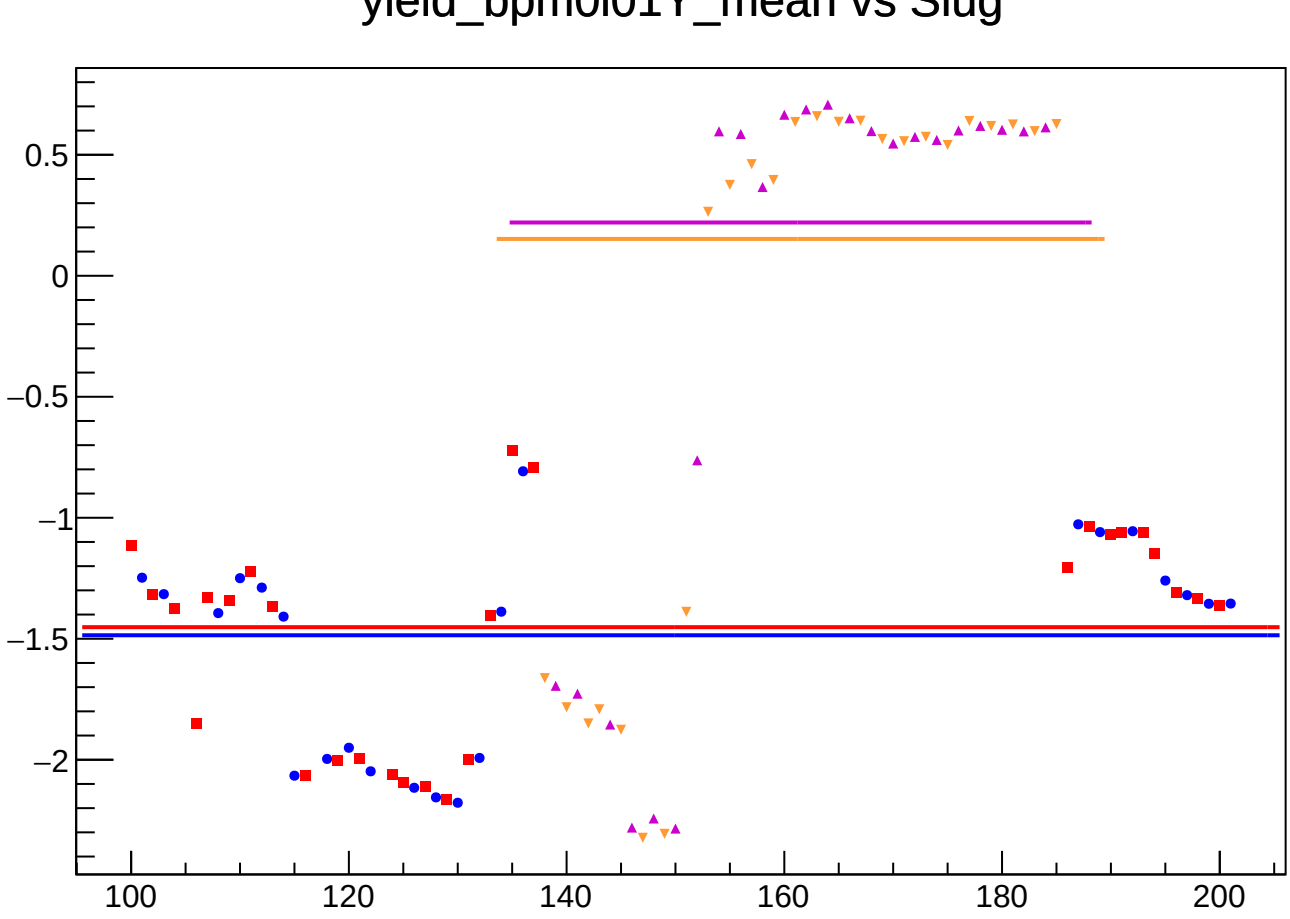
Right Out: 0.009+/-0.000 χ^2/NDF: 675110.0/27

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: 8222682.9/98

- sign 0.008+/-0.000 χ^2/NDF: 4136844.3/50



Right In: -1.486+/-0.000 χ^2/NDF: 181910872954.5/22

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

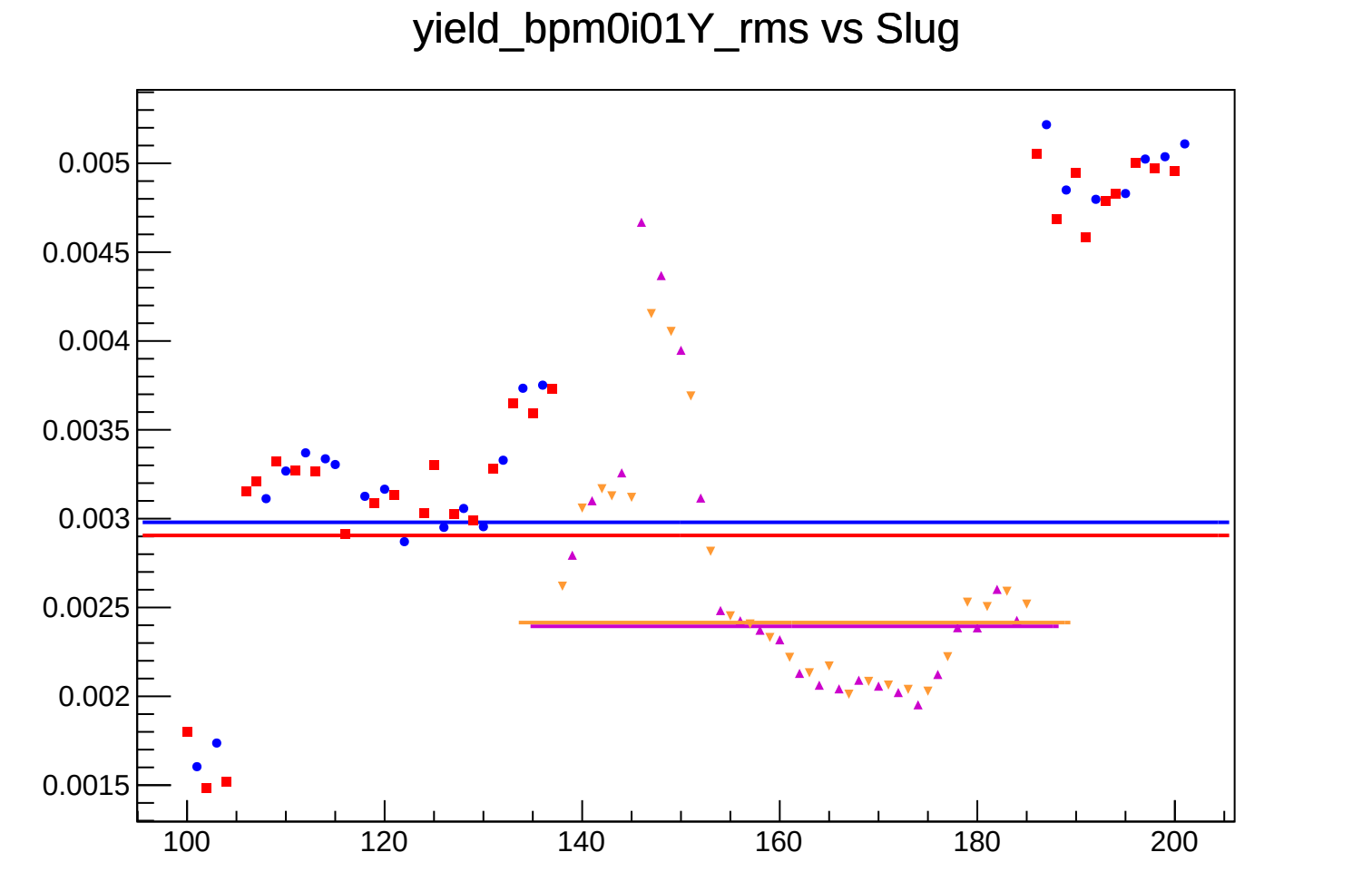
Right Out: -1.452+/-0.000 χ^2/NDF: 171664984188.6/27

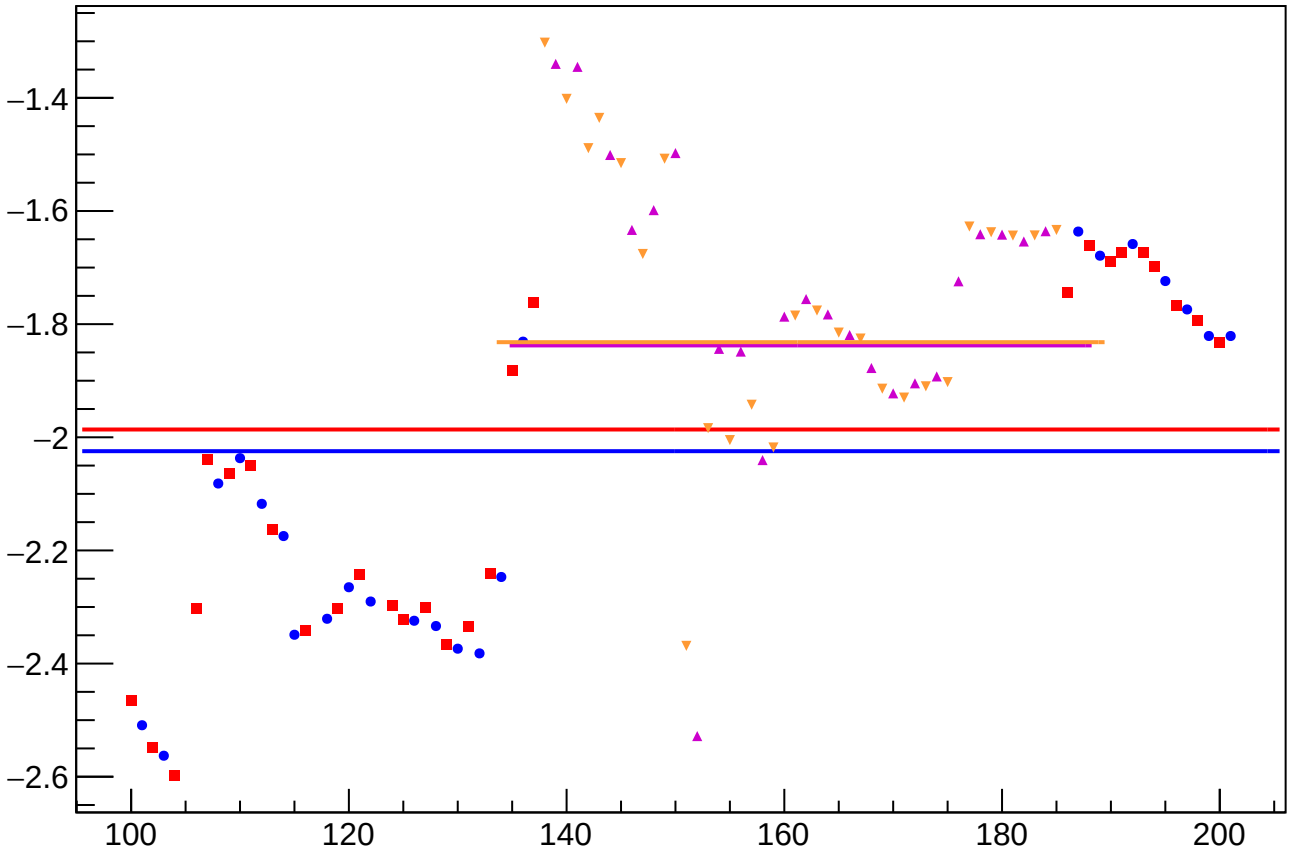
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.304+/-0.000 χ^2/NDF: 4766719763005.1/4

All: -0.304+/-0.000 χ^2/NDF: 9503542121787

- sign -0.304+/-0.000 χ^2/NDF: 4736822345106.2/5


yield_bpm0i01Y_rms vs Slug
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 3068136.3/22
Left Out: 0.002+/-0.000 χ²/NDF:1220406.4/24
Right Out: 0.003+/-0.000 χ²/NDF: 4009067.8/27
Left In: 0.002+/-0.000 χ²/NDF:1409595.4/22
+ sign 0.003+/-0.000 χ²/NDF: 4807610.2/47
All: 0.003+/-0.000 χ²/NDF: 10684635.7/98
- sign 0.003+/-0.000 χ²/NDF: 5875711.8/50



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: -1.986+/-0.000 χ^2/NDF: 36371473744.5/27

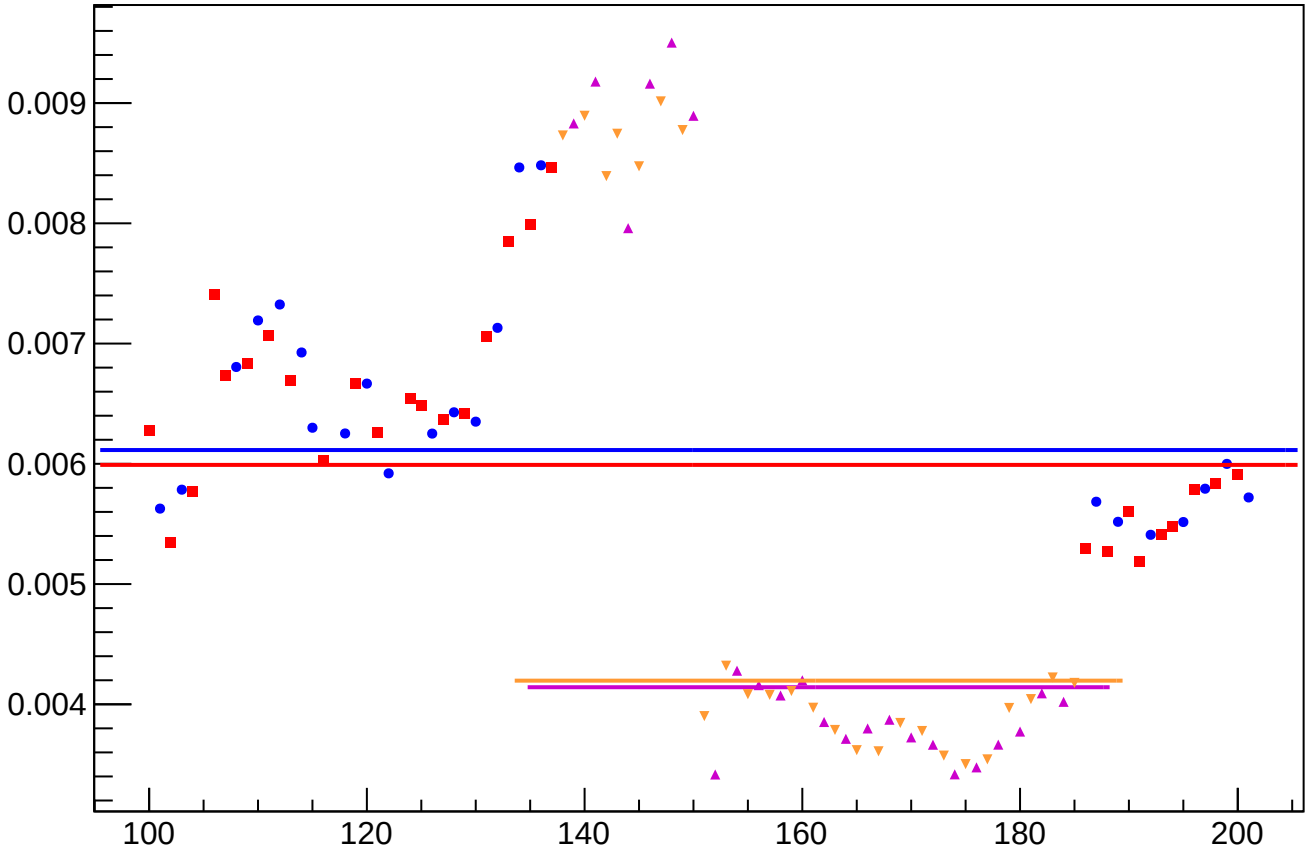
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.879+/-0.000 χ^2/NDF: 78661600901.2/47

All: -1.879+/-0.000 χ^2/NDF: 174274486345.0

- sign -1.879+/-0.000 χ^2/NDF: 95612875267.8/50

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: 377209.9/27

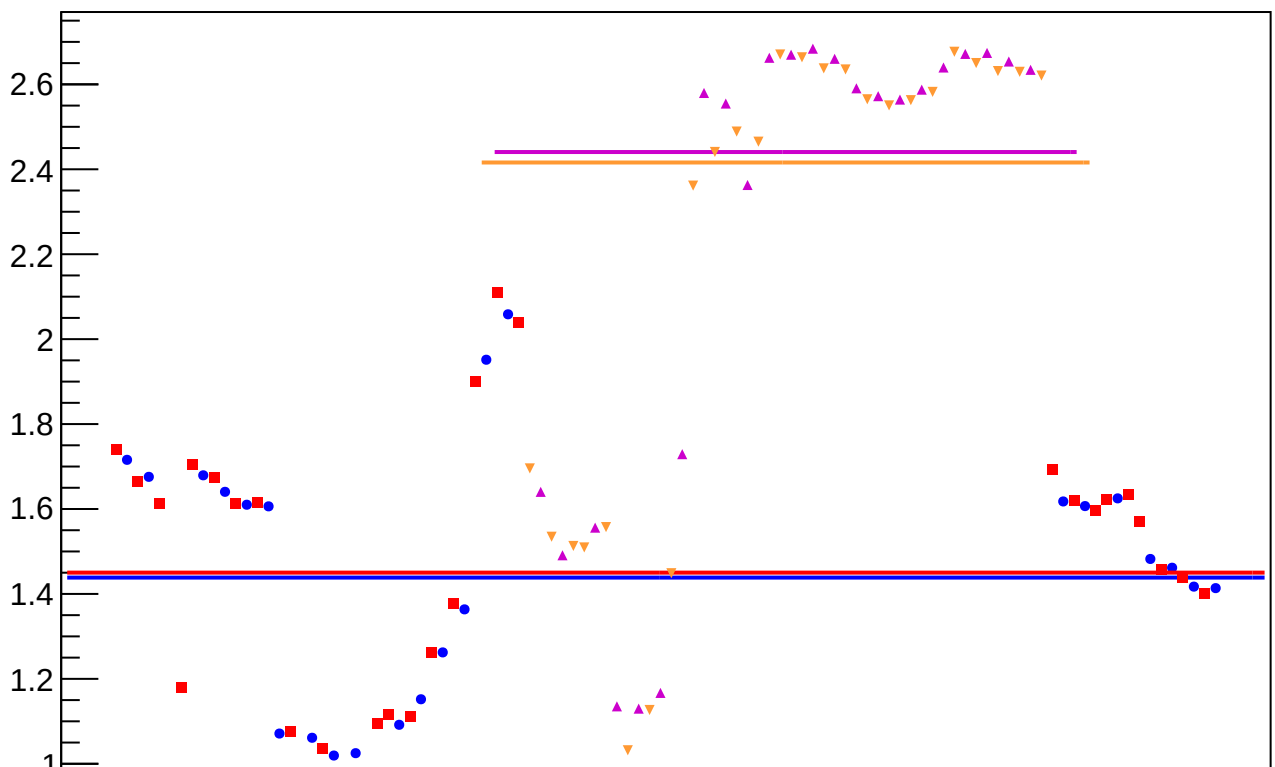
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5211679.4/47

All: 0.005+/-0.000 χ^2/NDF: 10579160.0/98

- sign 0.005+/-0.000 χ^2/NDF: 5367413.1/50

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: 1.450+/-0.000 χ^2/NDF: 186370277164.6/27

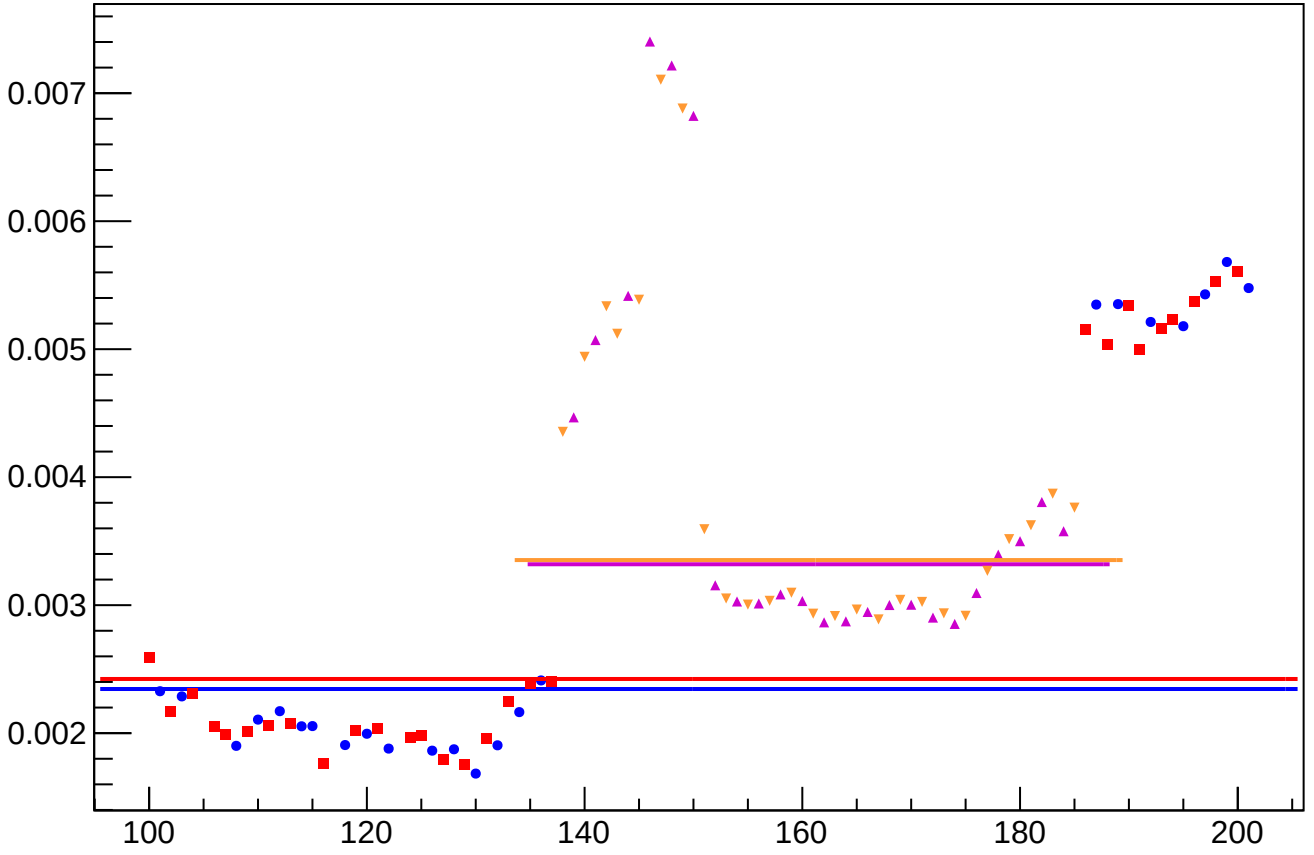
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.891+/-0.000 χ^2/NDF: 1230717613086.0/47

All: 1.891+/-0.000 χ^2/NDF: 2456331930116.

- sign 1.890+/-0.000 χ^2/NDF: 1225613571338.8/50

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: 4215728.3/27

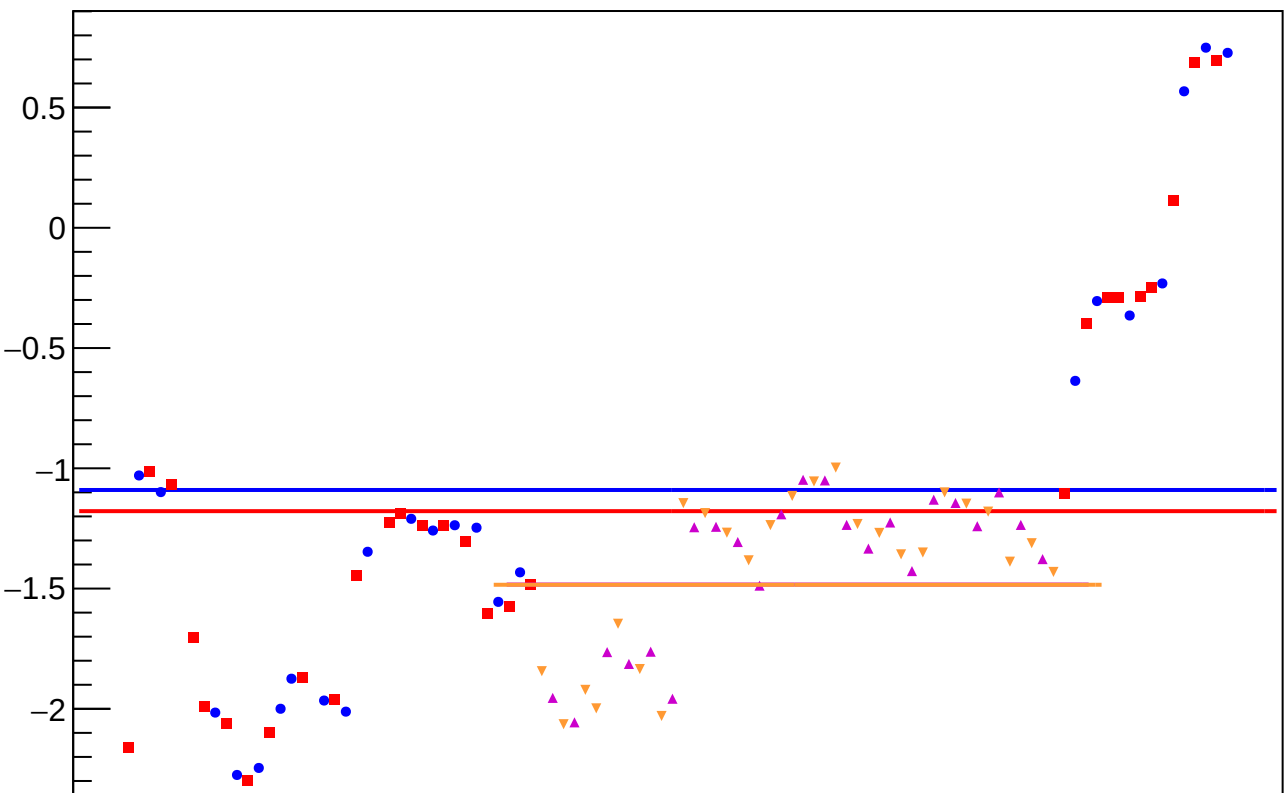
Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 7215122.6/47

All: 0.003+/-0.000 χ^2/NDF: 14809245.4/98

- sign 0.003+/-0.000 χ^2/NDF: 7593768.6/50

yield_bpm0l01X_mean vs Slug



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: -1.178+/-0.000 χ^2/NDF: 151287909329.2/27

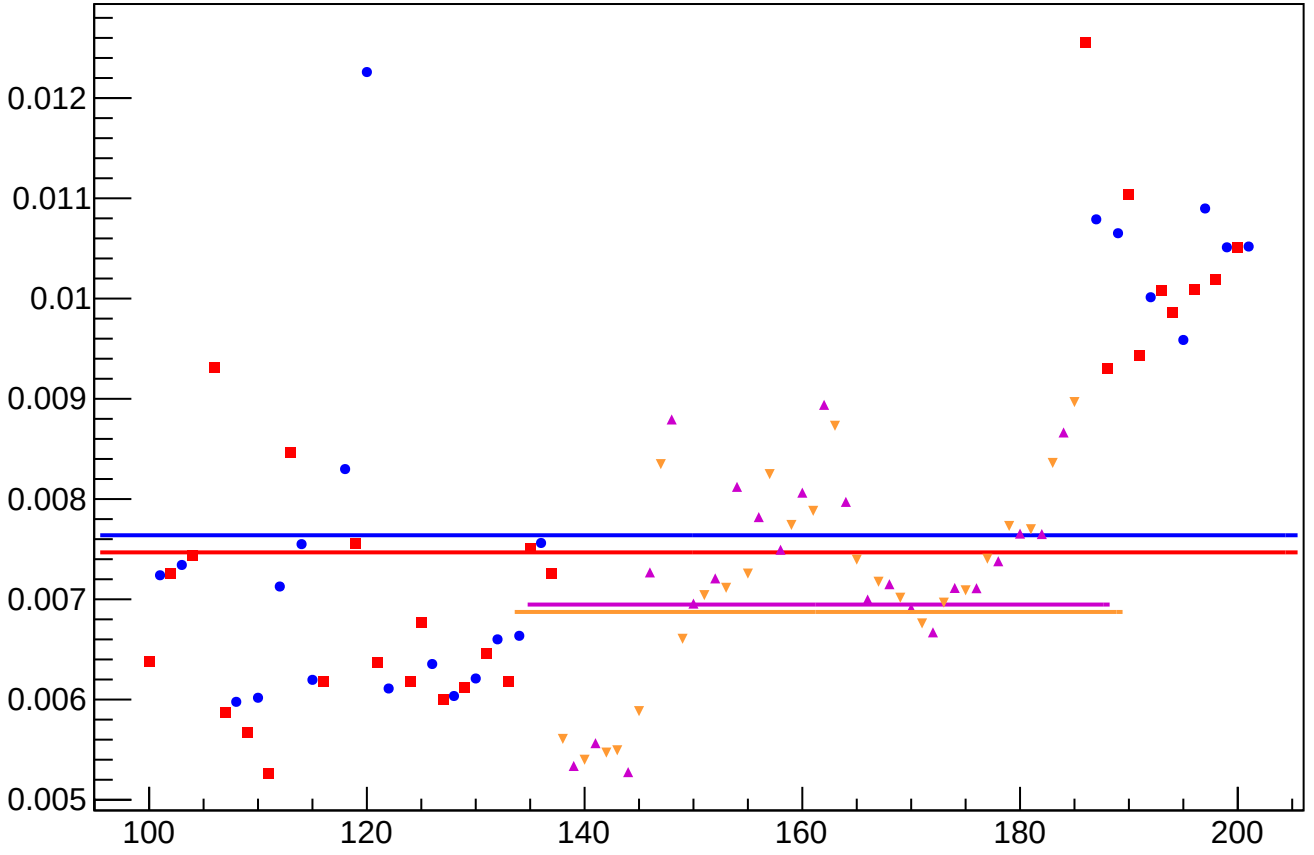
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.354+/-0.000 χ^2/NDF: 199075436784.5/47

All: -1.360+/-0.000 χ^2/NDF: 403415601911.8

- sign -1.366+/-0.000 χ^2/NDF: 204303523894.2/50

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

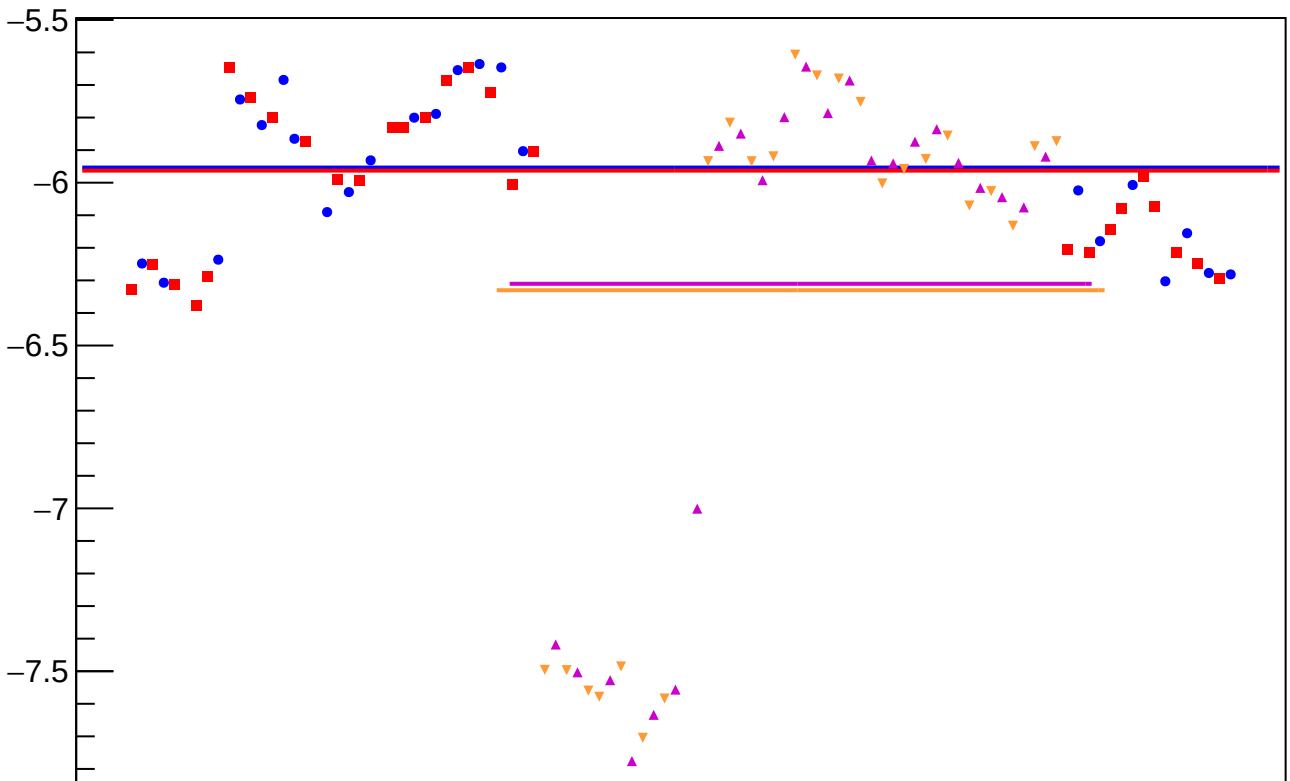
Right Out: 0.007+/-0.000 χ^2/NDF: 1393584.0/27

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: 4242909.3/98

- sign 0.007+/-0.000 χ^2/NDF: 2213973.9/50



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: -5.963+/-0.000 χ^2/NDF: 14746274169.0/27

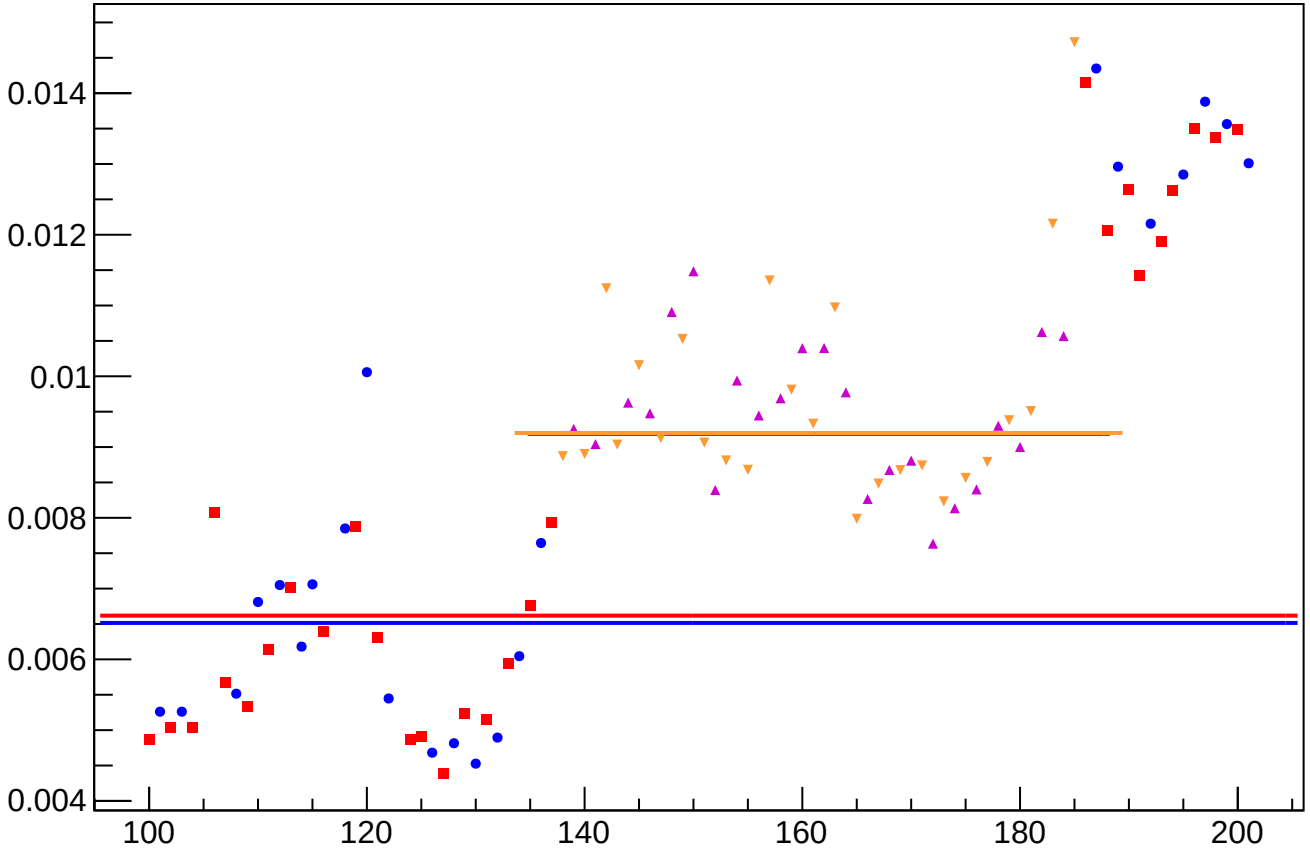
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.126+/-0.000 χ^2/NDF: 138977063777.6/47

All: -6.118+/-0.000 χ^2/NDF: 258141761884.5

- sign -6.111+/-0.000 χ^2/NDF: 119117159241.4/50

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: 3635797.7/27

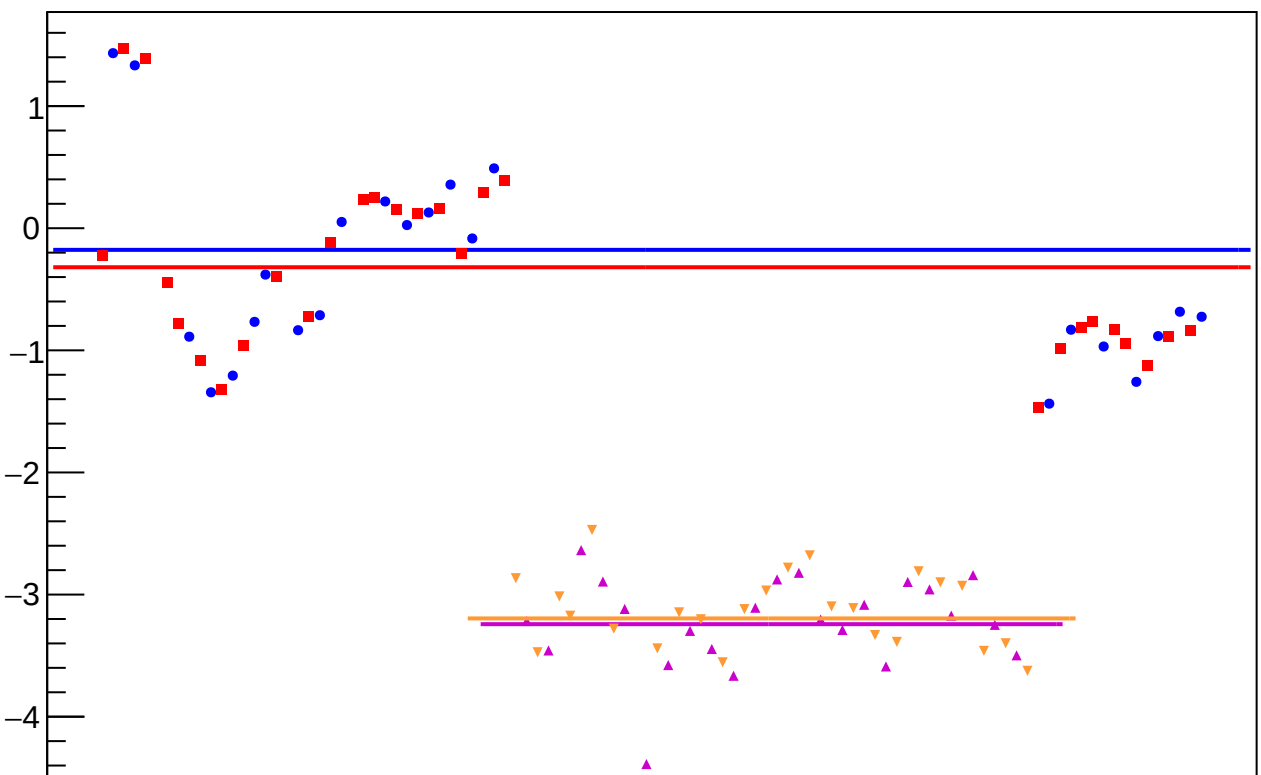
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 5195687.2/47

All: 0.008+/-0.000 χ^2/NDF: 10534774.1/98

- sign 0.008+/-0.000 χ^2/NDF: 5338651.2/50

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: -0.320+/-0.000 χ^2/NDF: 33603570293.0/27

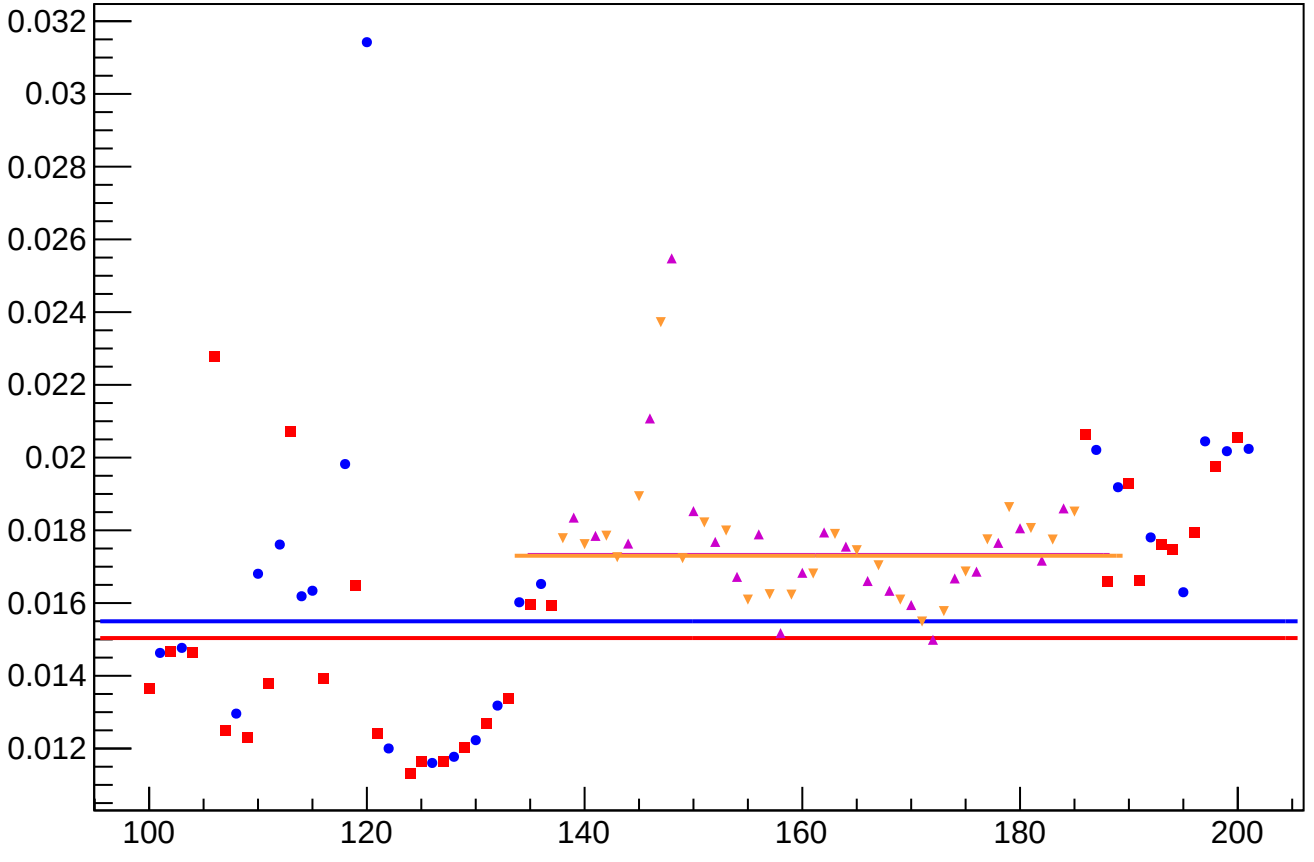
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.912+/-0.000 χ^2/NDF: 280505275368.0/47

All: -1.866+/-0.000 χ^2/NDF: 565028875268.0

- sign -1.822+/-0.000 χ^2/NDF: 284067661361.0/50

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

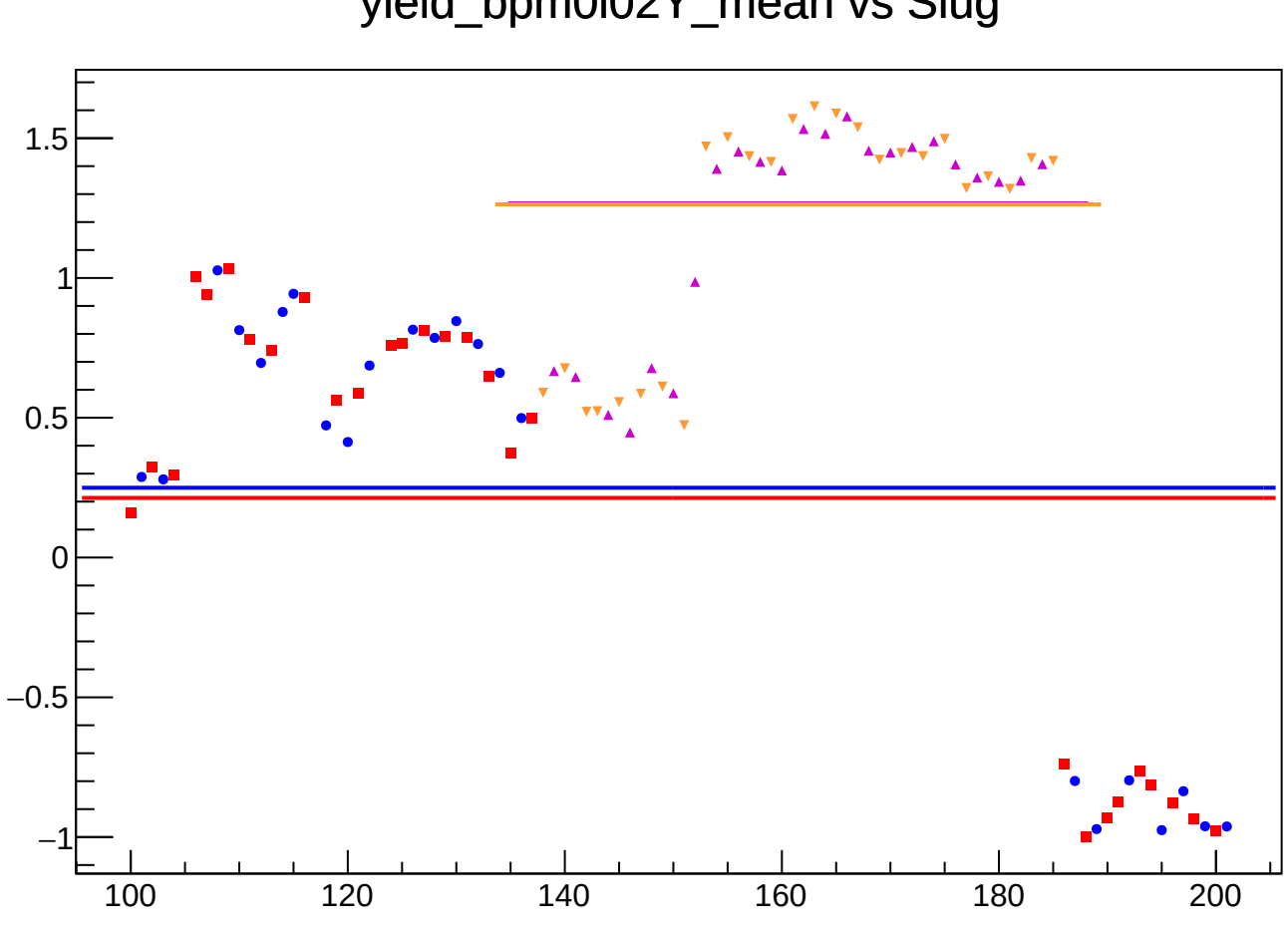
Right Out: 0.015+/-0.000 χ^2/NDF: 926027.0/27

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: 2916264.2/98

- sign 0.016+/-0.000 χ^2/NDF: 1552419.8/50



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: 0.213+/-0.000 χ^2/NDF: 70441333896.2/27

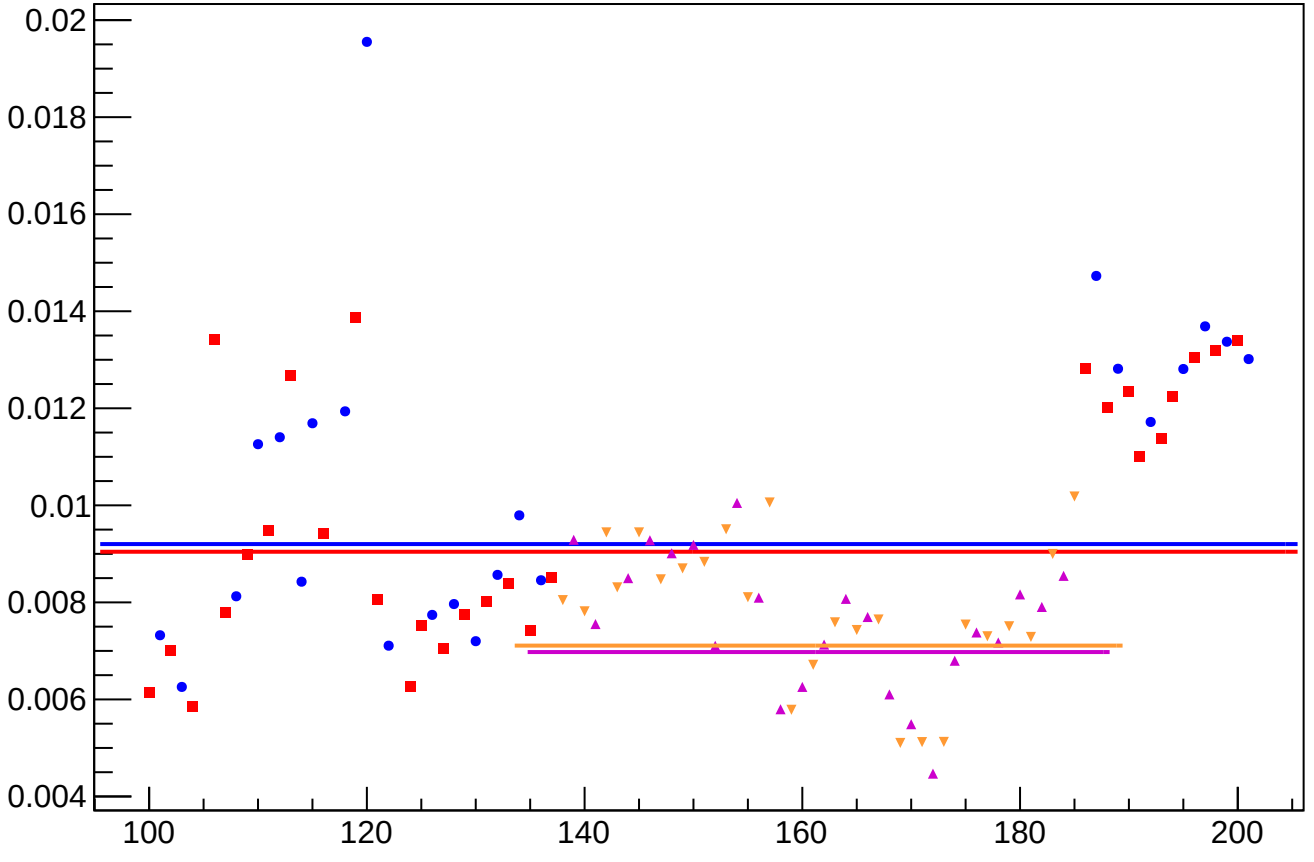
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.990+/-0.000 χ^2/NDF: 196508788099.2/47

All: 0.970+/-0.000 χ^2/NDF: 416527802470.9

- sign 0.950+/-0.000 χ^2/NDF: 219631253132.2/50

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

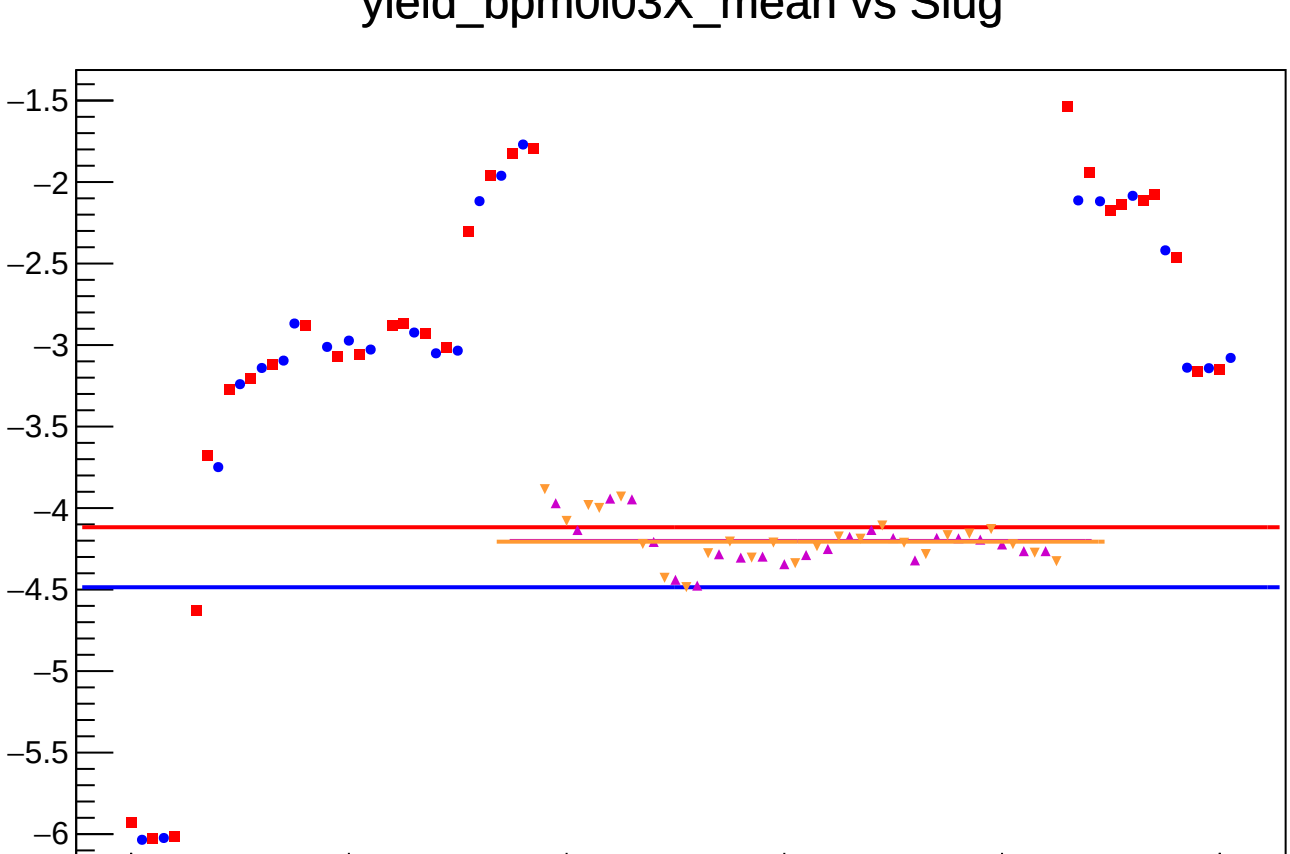
Right Out: 0.009+/-0.000 χ^2/NDF: 1828441.1/27

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: 8135352.6/98

- sign 0.008+/-0.000 χ^2/NDF: 4144611.4/50



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: -4.118+/-0.000 χ^2/NDF: 297382897607.4/27

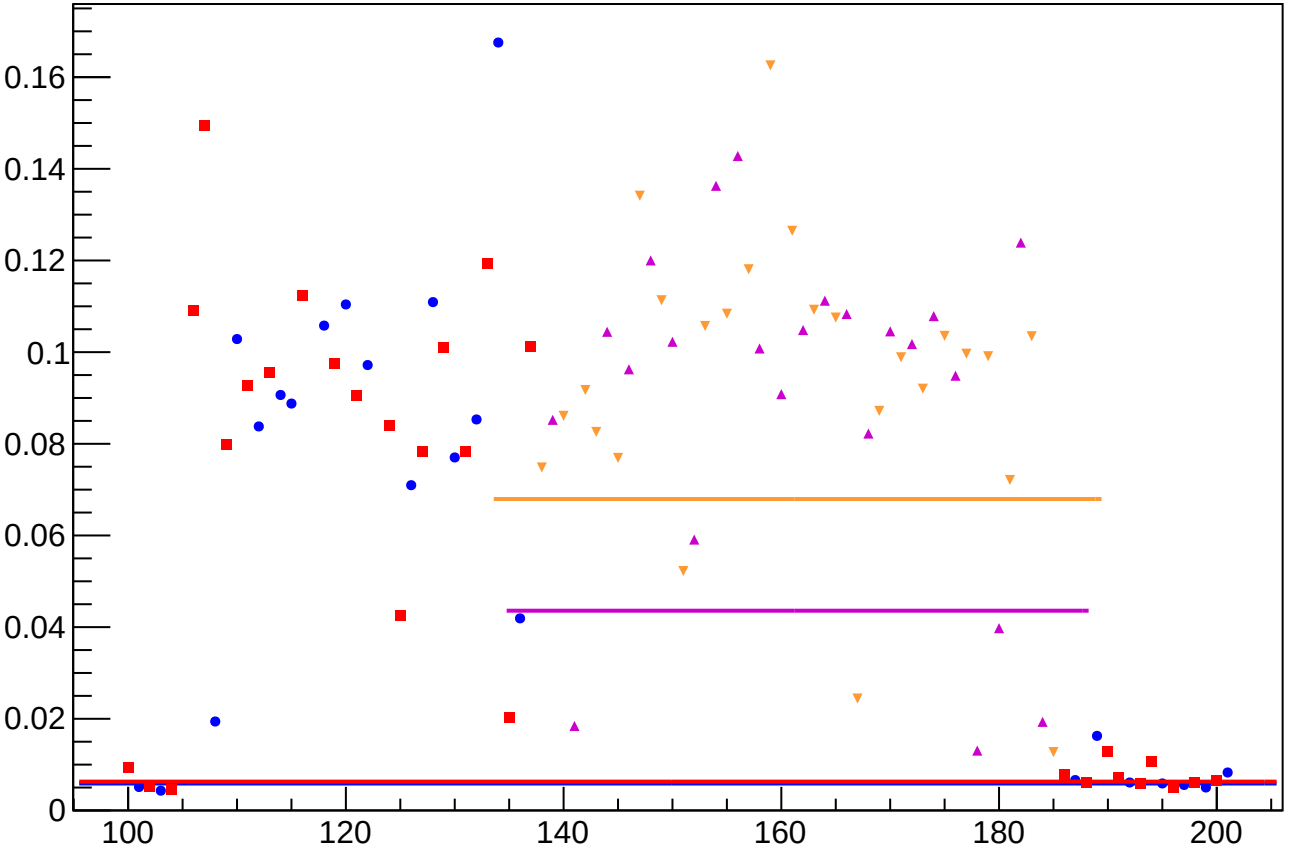
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.478+/-0.000 χ^2/NDF: 265737353279.9/47

All: -4.307+/-0.000 χ^2/NDF: 569138731717.5

- sign -4.121+/-0.000 χ^2/NDF: 297453316452.8/50

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: 8912749.4/27

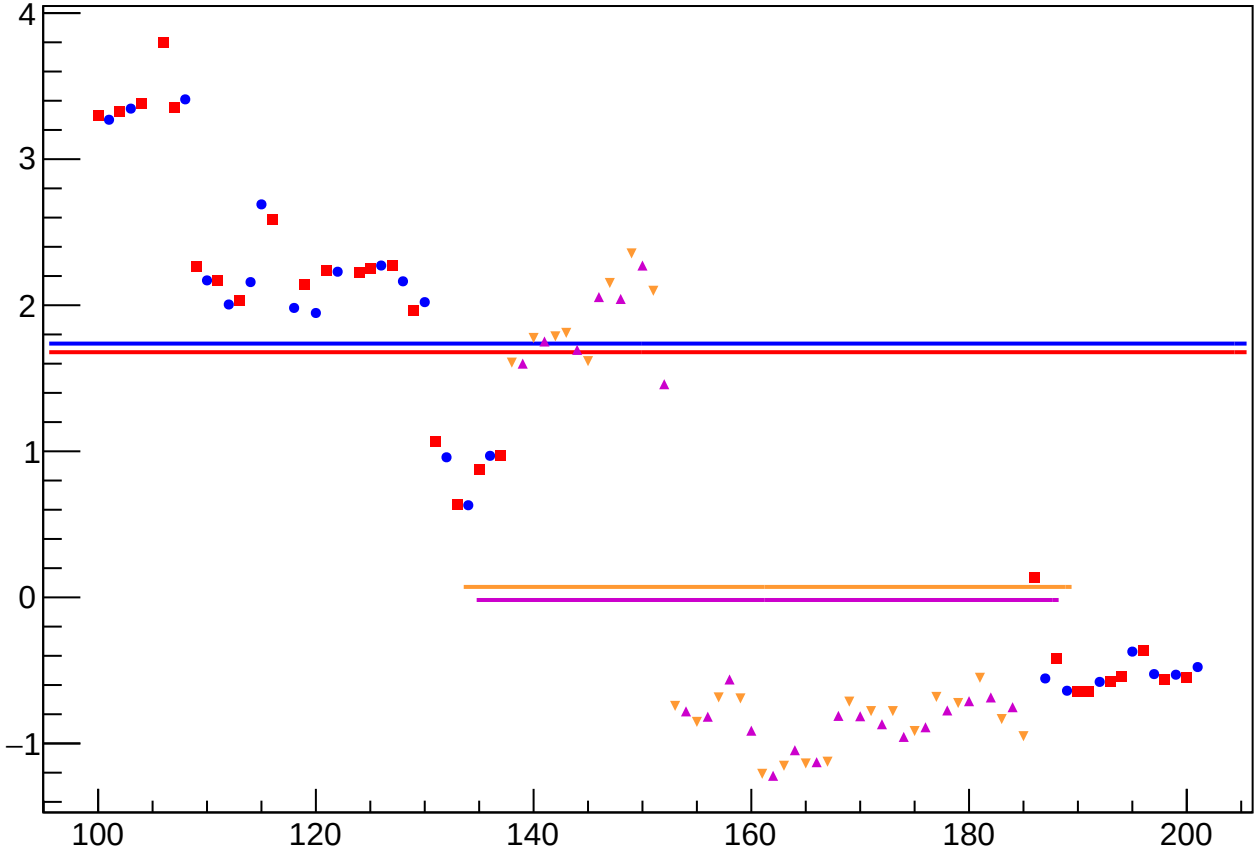
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 36438135.7/47

All: 0.008+/-0.000 χ^2/NDF: 68990212.7/98

- sign 0.008+/-0.000 χ^2/NDF: 32535712.8/50

yield_bpm0l03Y_mean vs Slug



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: 1.679+/-0.000 χ^2/NDF: 181249010763.4/27

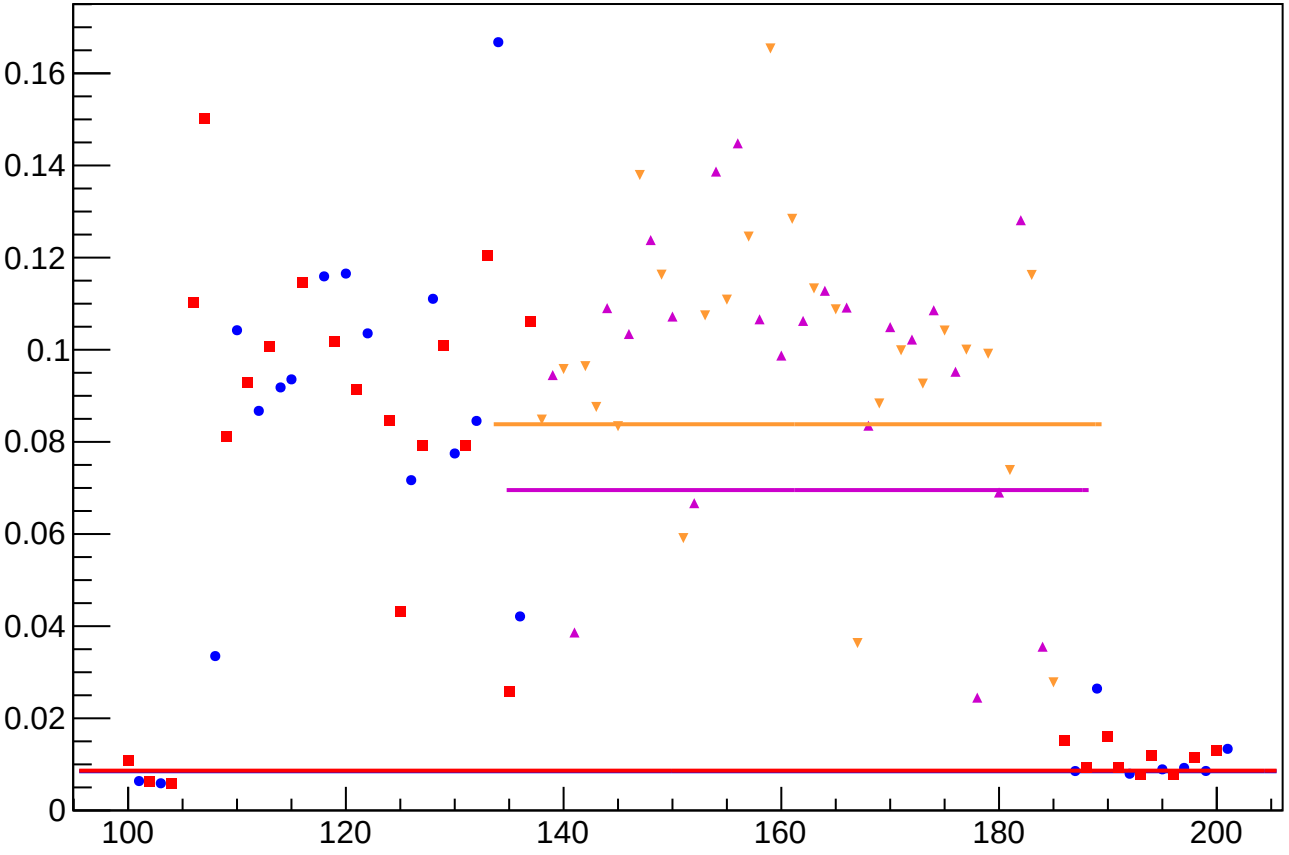
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.674+/-0.000 χ^2/NDF: 190177785572.3/47

All: 1.639+/-0.000 χ^2/NDF: 381557142996.5

- sign 1.603+/-0.000 χ^2/NDF: 191244352904.4/50

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

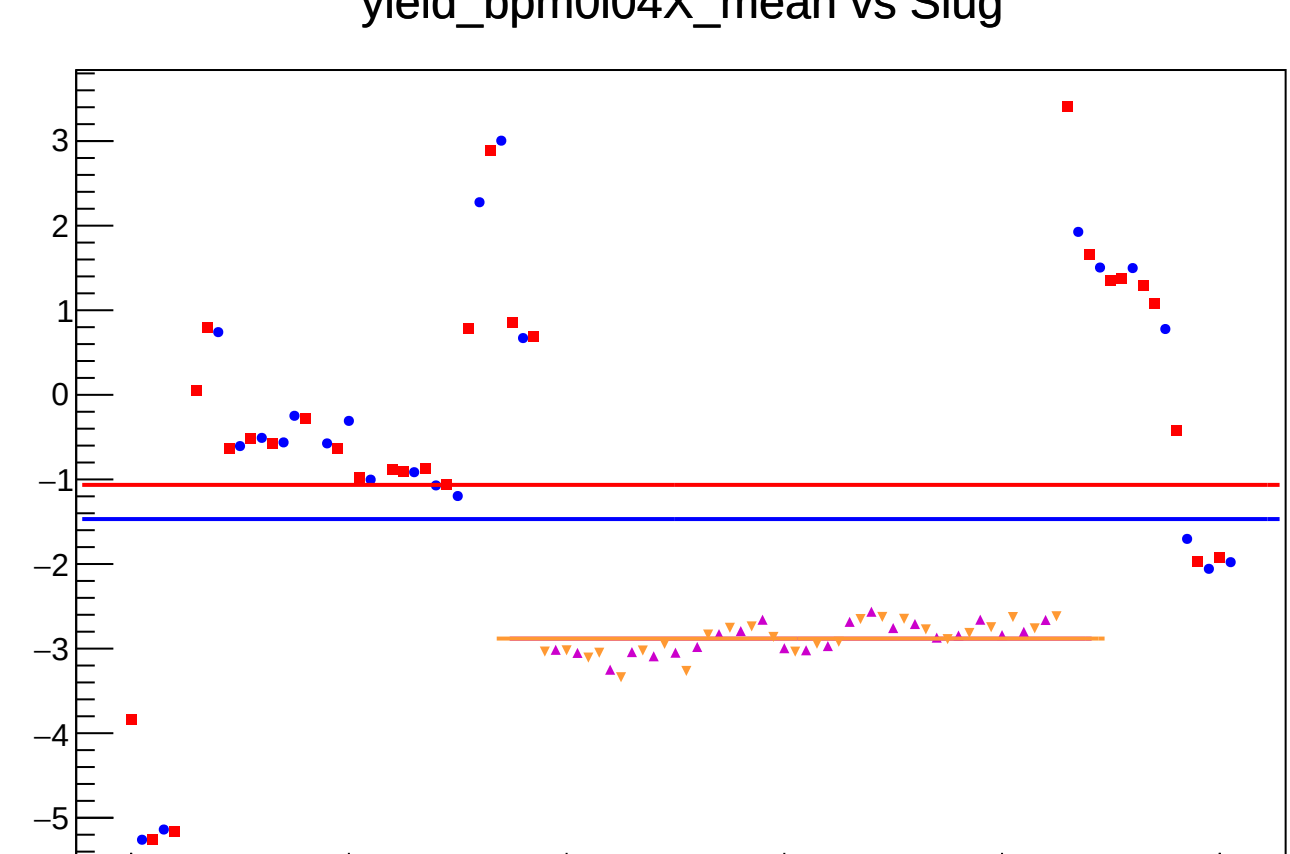
Right Out: 0.009+/-0.000 χ^2/NDF: 8802047.9/27

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: 67327116.7/98

- sign 0.011+/-0.000 χ^2/NDF: 32357071.3/50



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: -1.064+/-0.000 χ^2/NDF: 232770237498.3/27

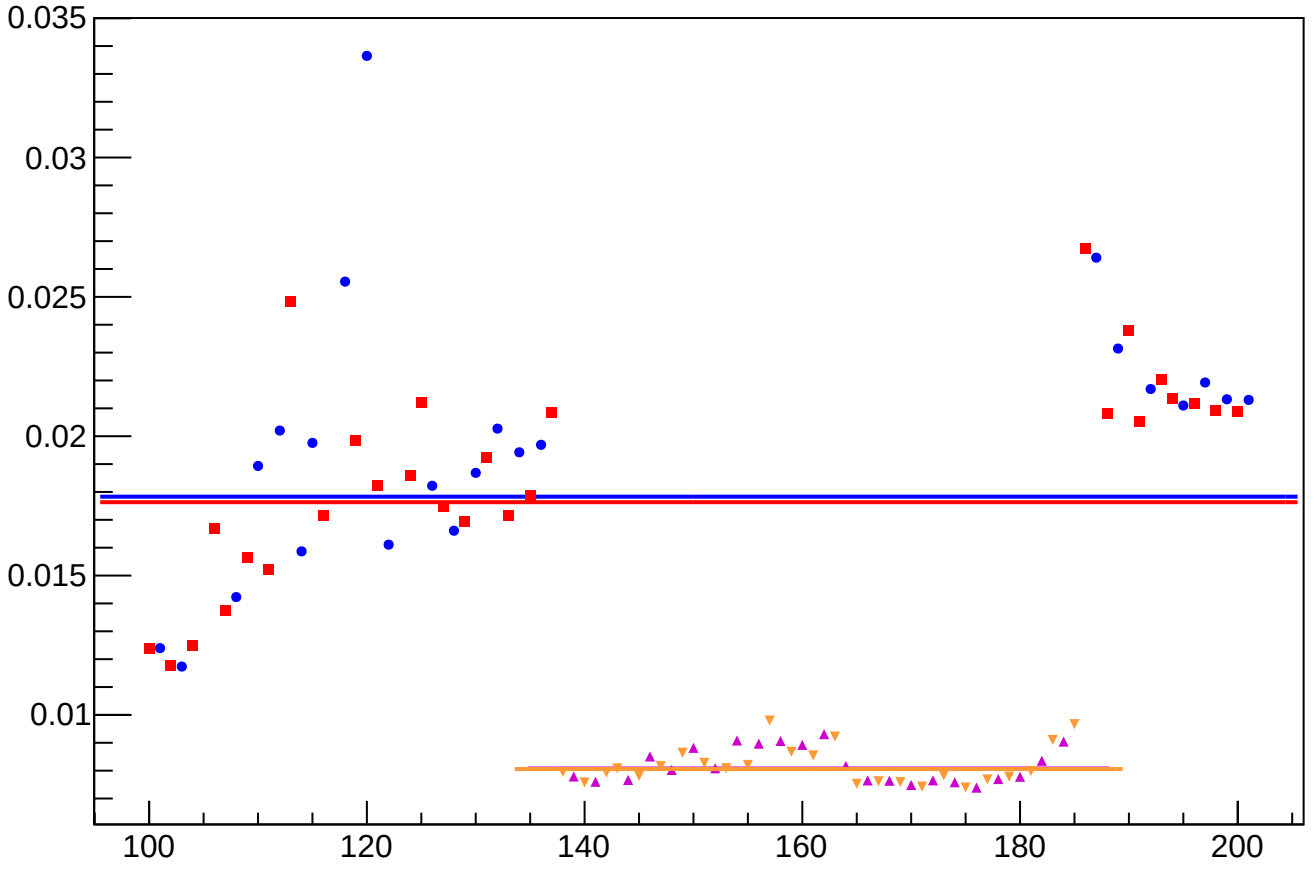
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.734+/-0.000 χ^2/NDF: 277024509692.2/47

All: -2.693+/-0.000 χ^2/NDF: 631342038687.3

- sign -2.652+/-0.000 χ^2/NDF: 353272806332.4/50

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: 1119444.4/27

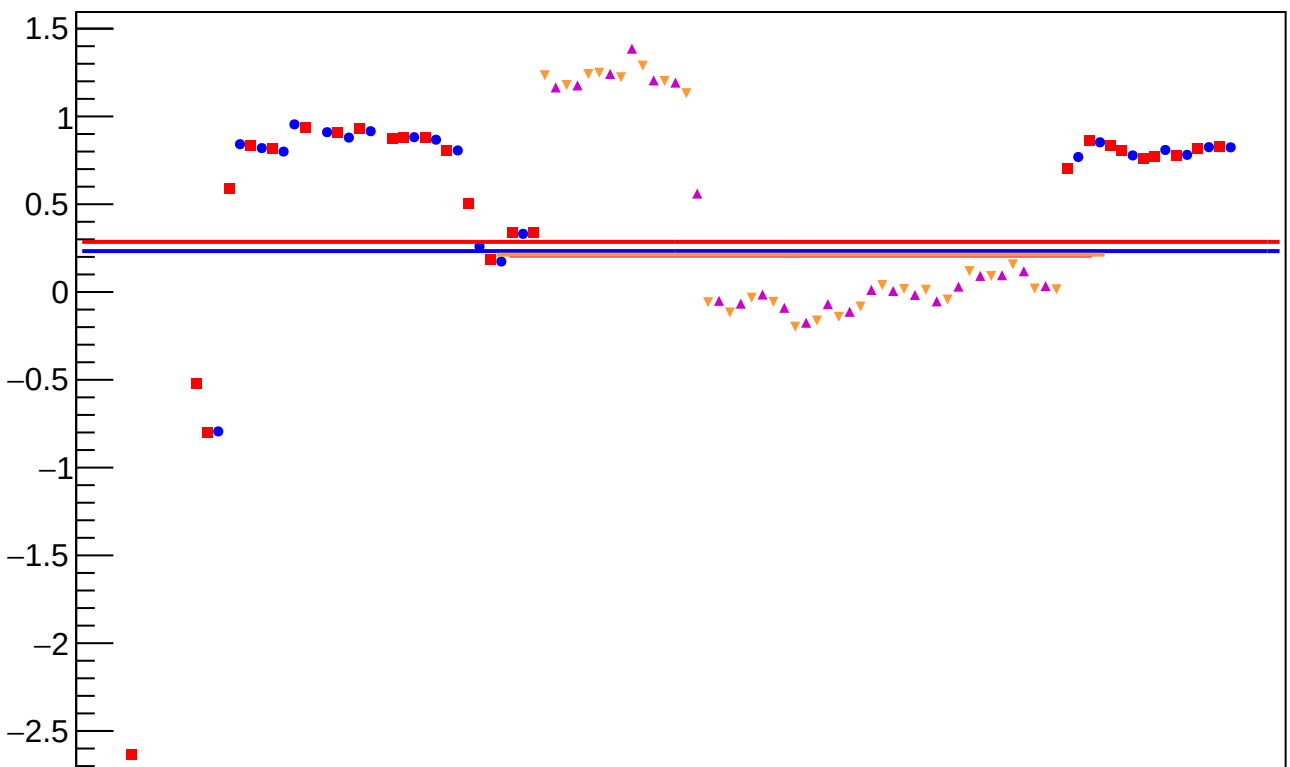
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 7068797.0/47

All: 0.009+/-0.000 χ^2/NDF: 14582970.1/98

- sign 0.009+/-0.000 χ^2/NDF: 7500307.0/50

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: 0.285+/-0.000 χ^2/NDF: 1026161372586.2/27

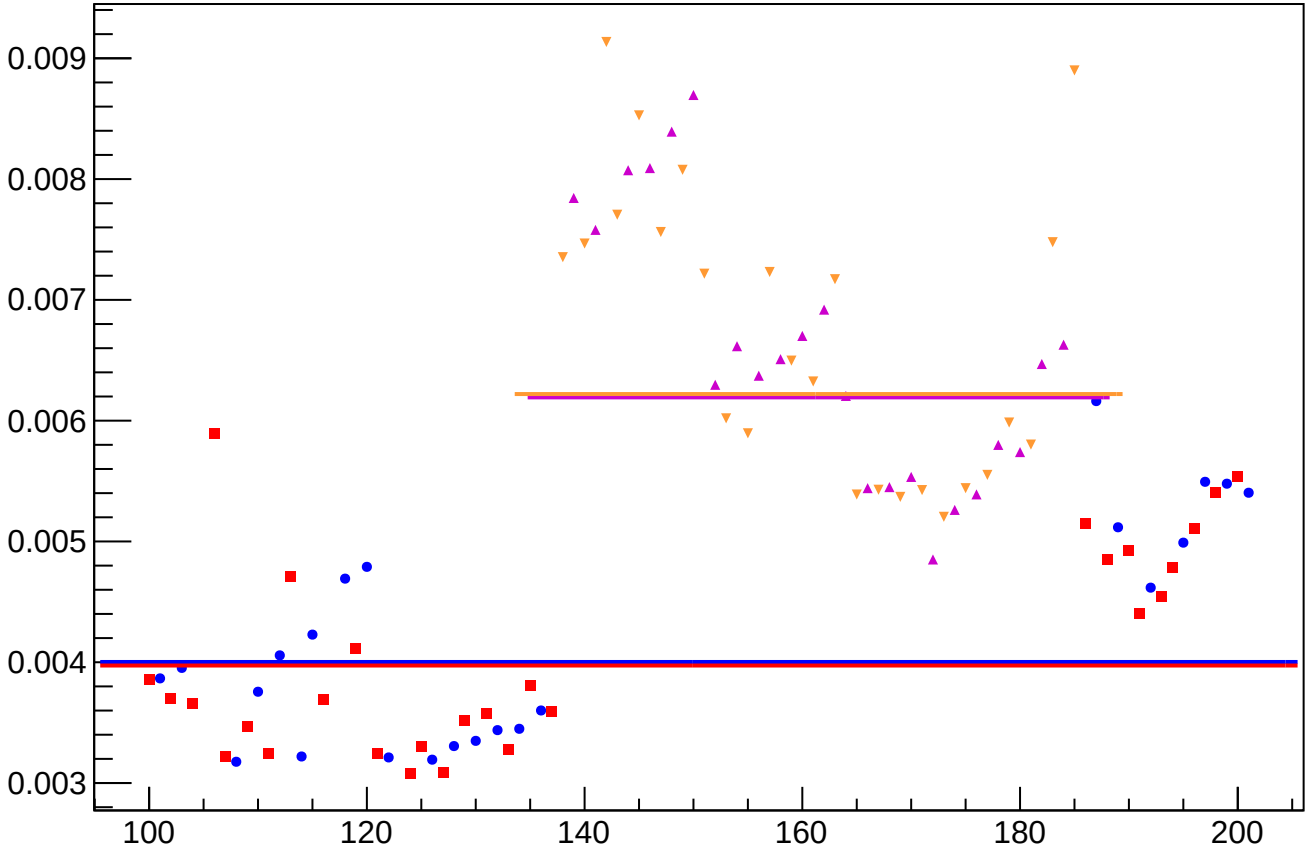
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.225+/-0.000 χ^2/NDF: 1036651476372.9/47

All: 0.243+/-0.000 χ^2/NDF: 2152241632083.

- sign 0.259+/-0.000 χ^2/NDF: 1114929876959.7/50

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: 967616.7/27

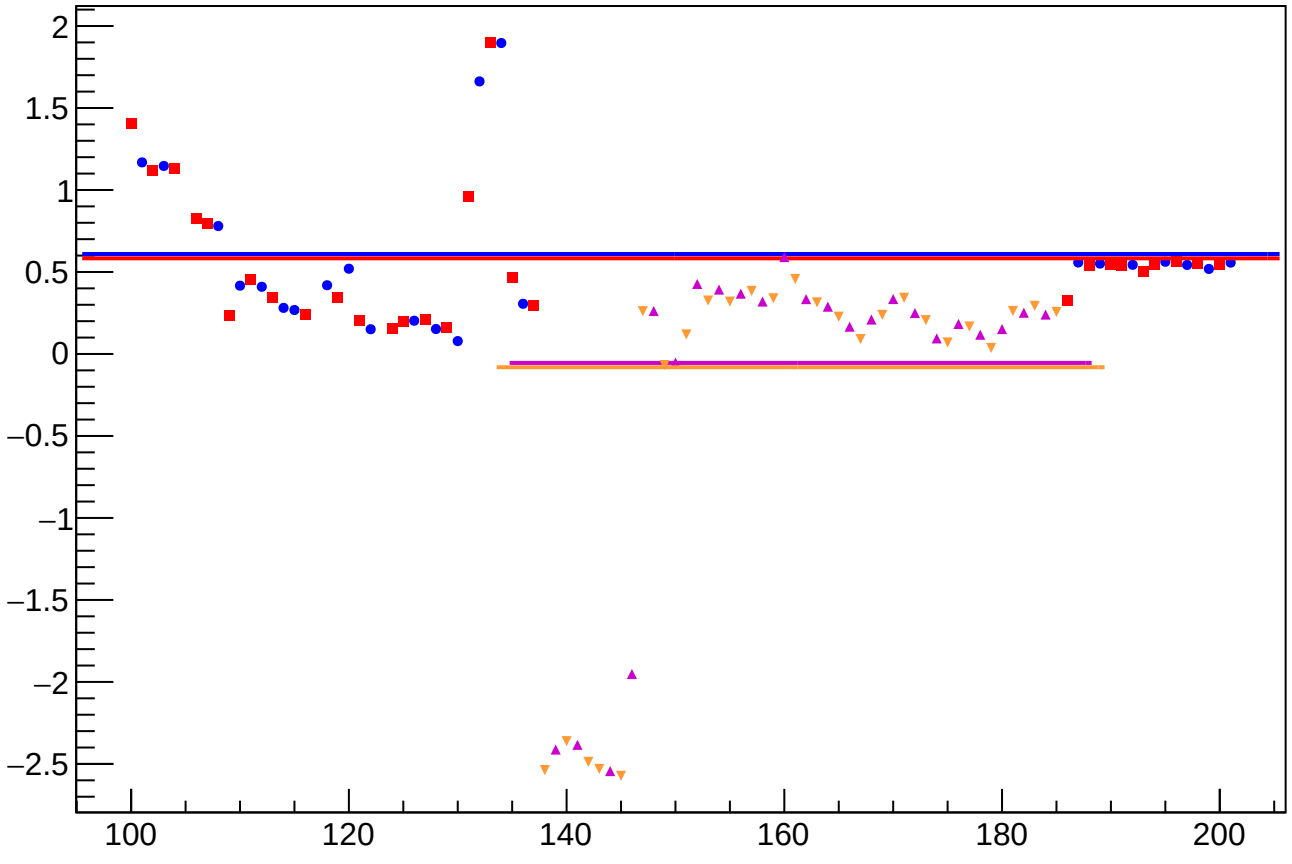
Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4340457.9/47

All: 0.005+/-0.000 χ^2/NDF: 8824561.5/98

- sign 0.005+/-0.000 χ^2/NDF: 4468905.7/50

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: 0.583+/-0.000 χ^2/NDF: 43555580473.9/27

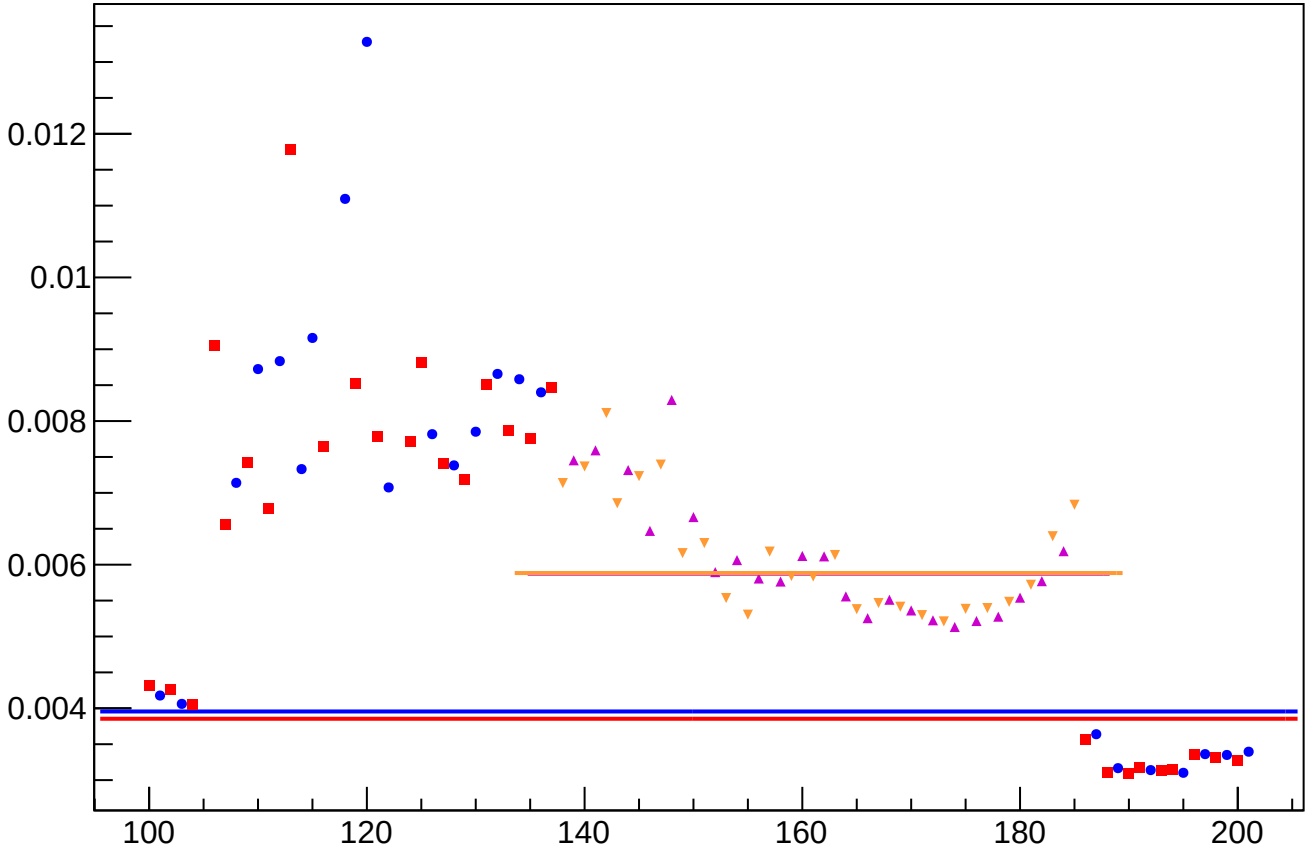
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.296+/-0.000 χ^2/NDF: 563680888284.9/47

All: 0.314+/-0.000 χ^2/NDF: 1073898366575.

- sign 0.330+/-0.000 χ^2/NDF: 509531629890.4/50

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

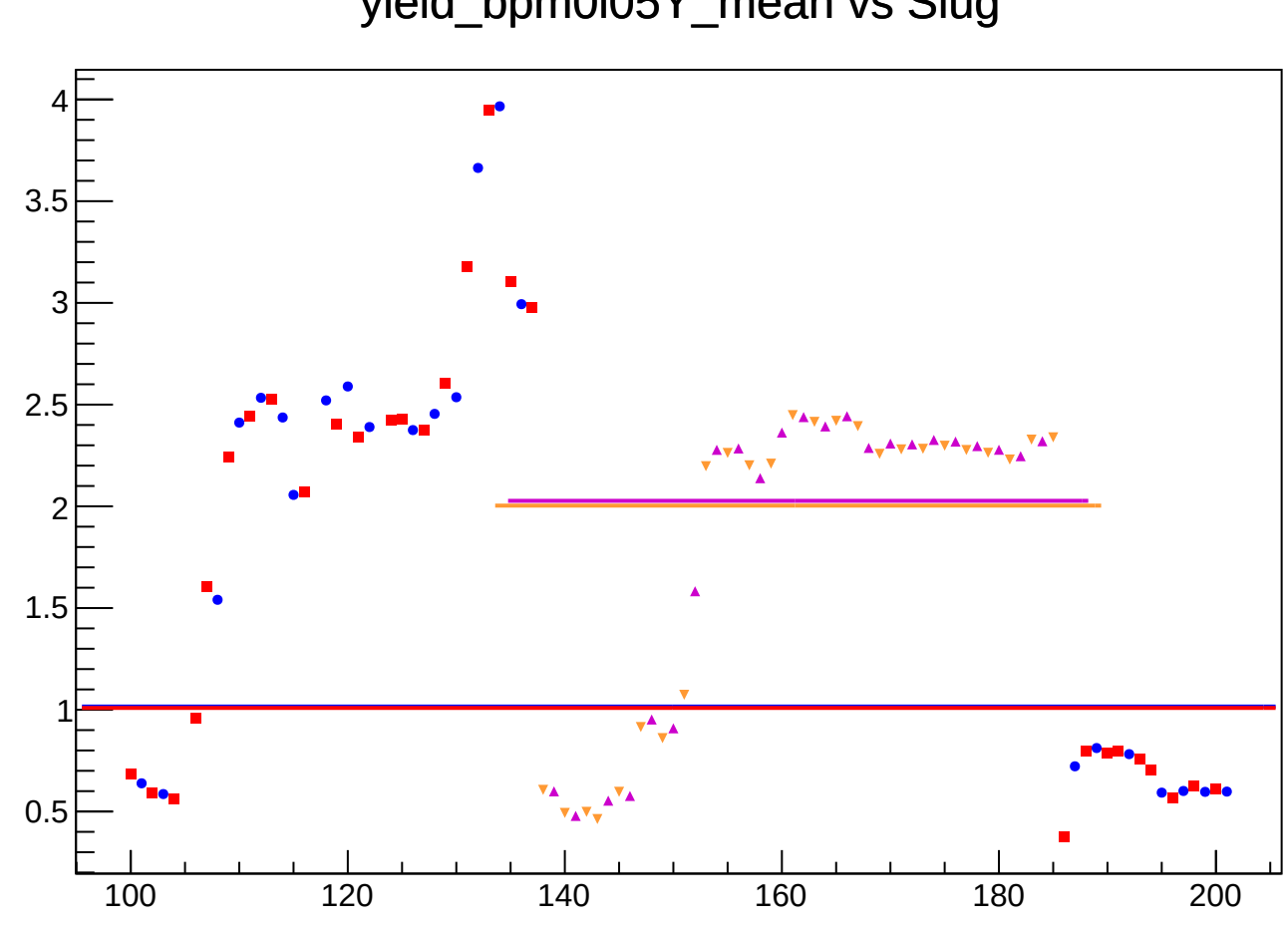
Right Out: 0.004+/-0.000 χ^2/NDF: 3376797.0/27

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: 12189979.2/98

- sign 0.005+/-0.000 χ^2/NDF: 6285049.8/50



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: 1.009+/-0.000 χ^2/NDF: 252927847479.7/27

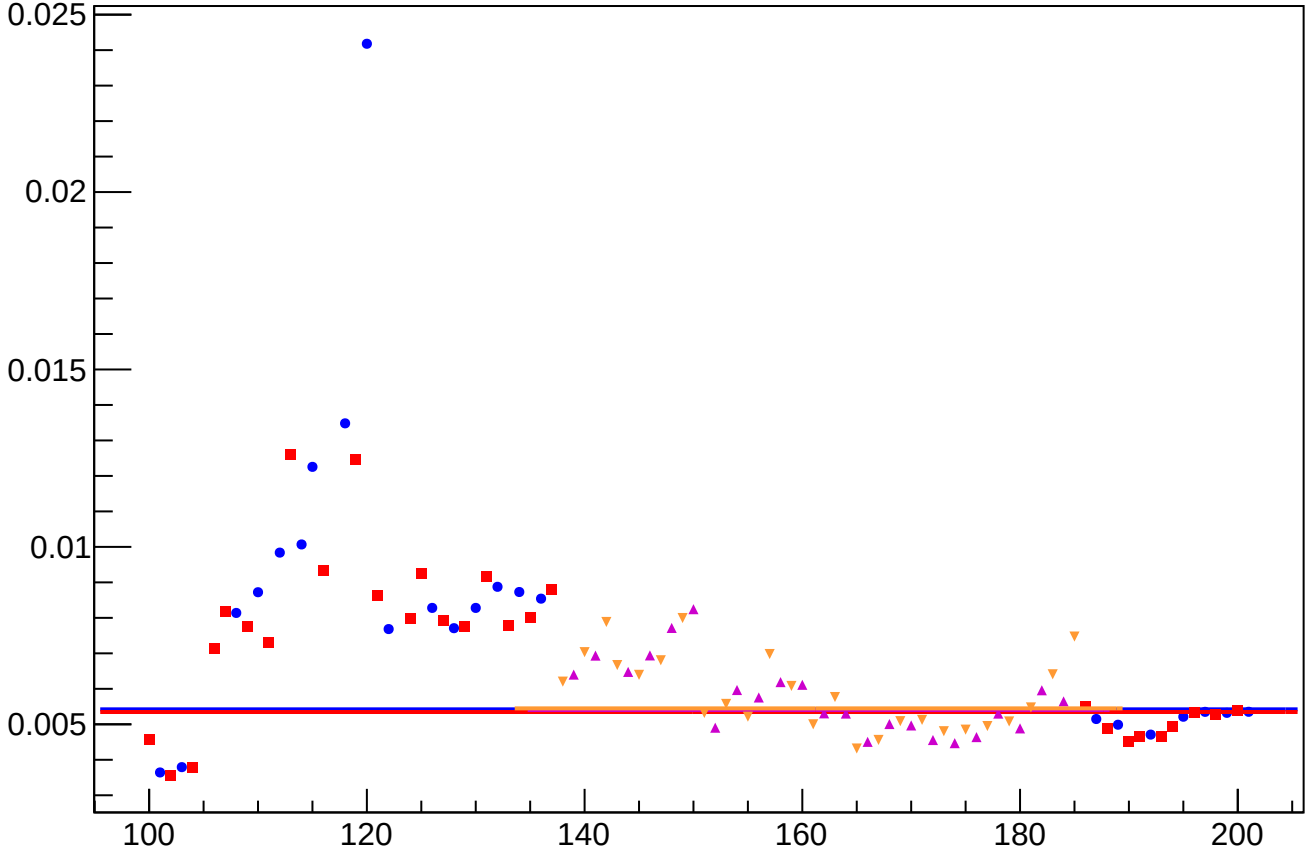
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.630+/-0.000 χ^2/NDF: 645214269440.5/47

All: 1.610+/-0.000 χ^2/NDF: 1329043919750.

- sign 1.591+/-0.000 χ^2/NDF: 683165420779.0/50

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: 2124521.2/27

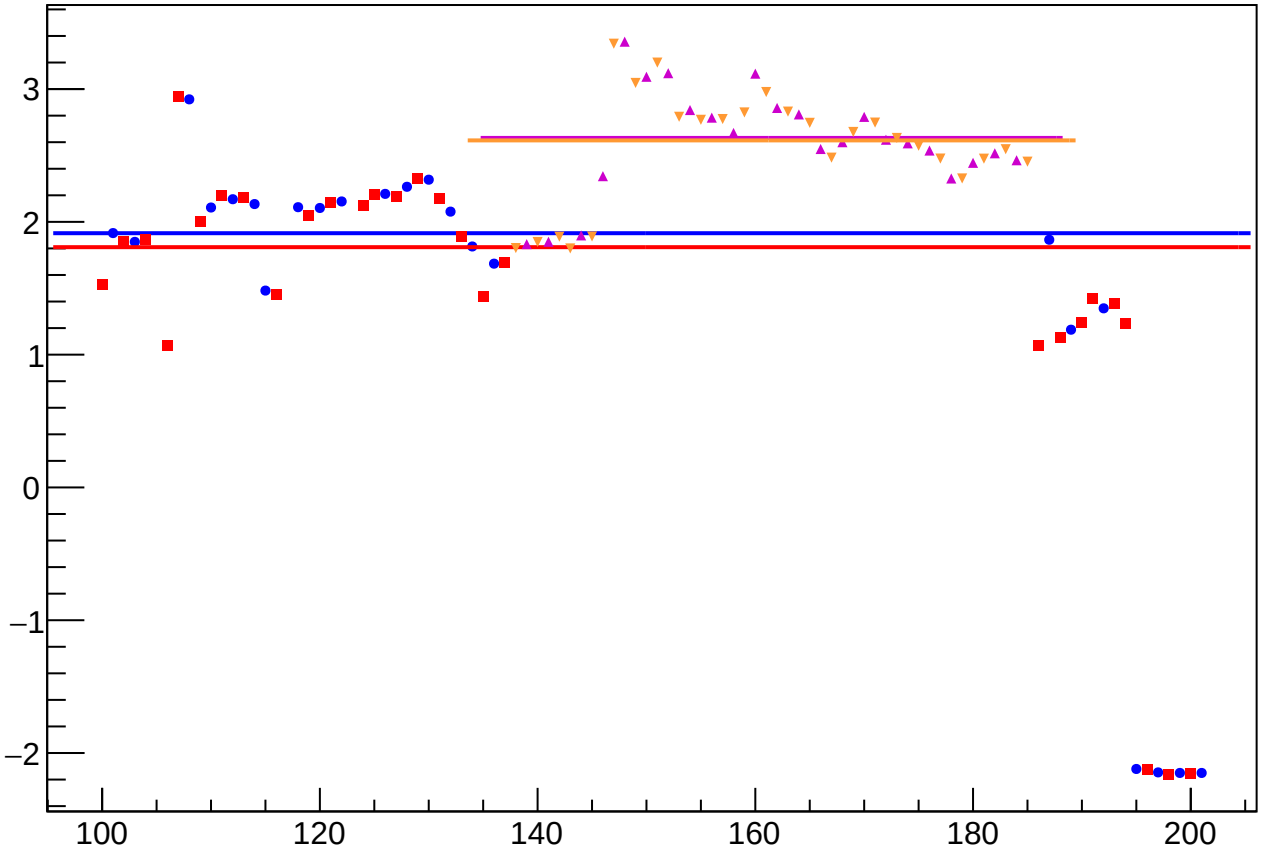
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3078936.6/47

All: 0.005+/-0.000 χ^2/NDF: 6023258.9/98

- sign 0.005+/-0.000 χ^2/NDF: 2941196.2/50

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

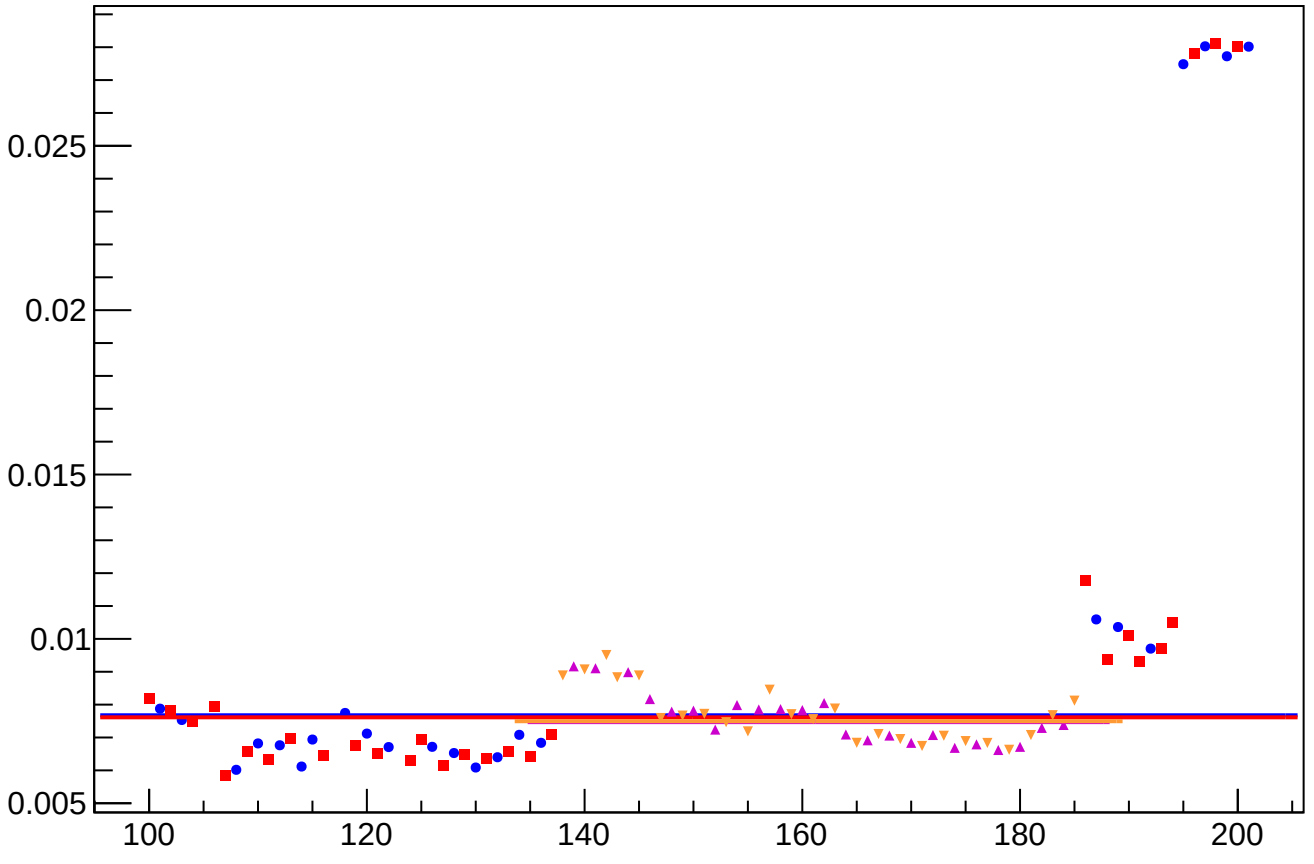
Right Out: 1.809+/-0.000 χ^2/NDF: 88906818288.3/27

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.375+/-0.000 χ^2/NDF: 197735949438.8/47

All: 2.343+/-0.000 χ^2/NDF: 409843176043.3

- sign 2.312+/-0.000 χ^2/NDF: 211136666301.3/50



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: 3461343.3/27

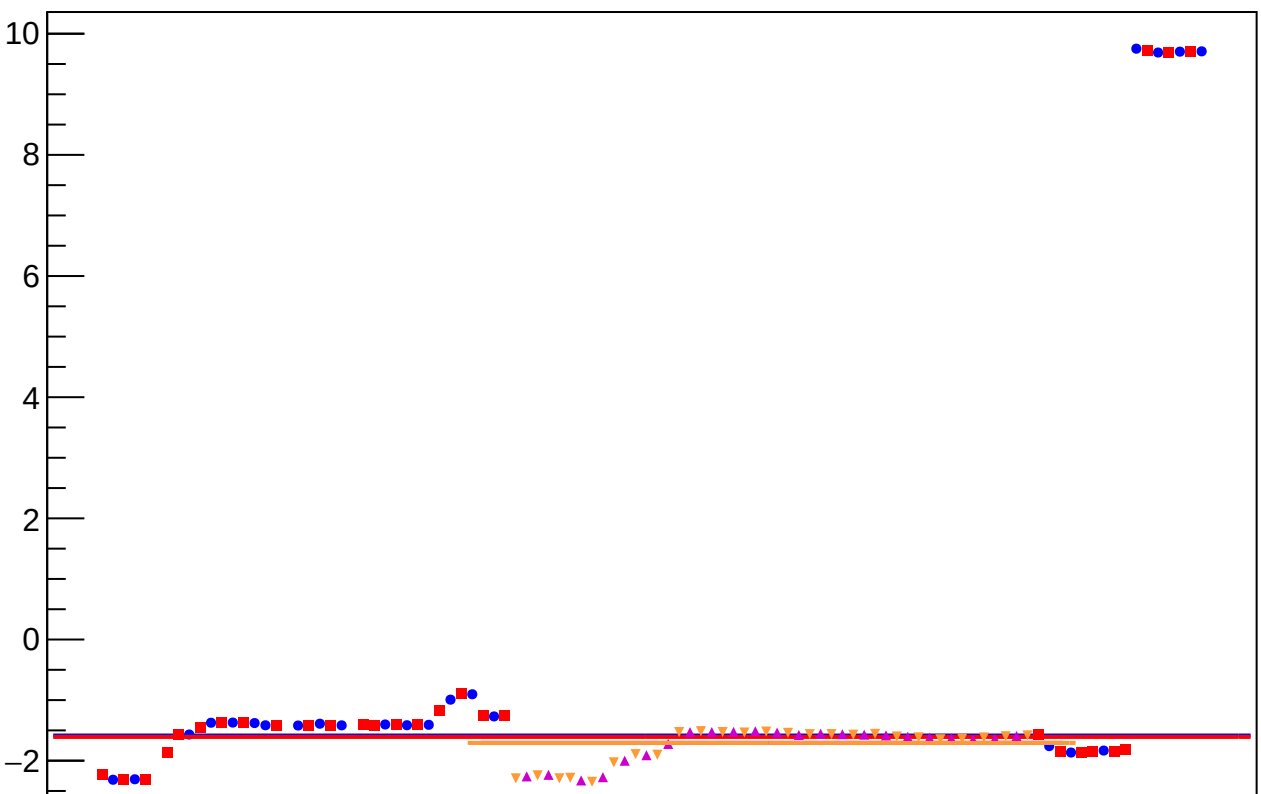
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 4403471.8/47

All: 0.008+/-0.000 χ^2/NDF: 8192401.7/98

- sign 0.008+/-0.000 χ^2/NDF: 3788401.9/50

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: -1.608+/-0.000 χ^2/NDF: 281039948285.3/27

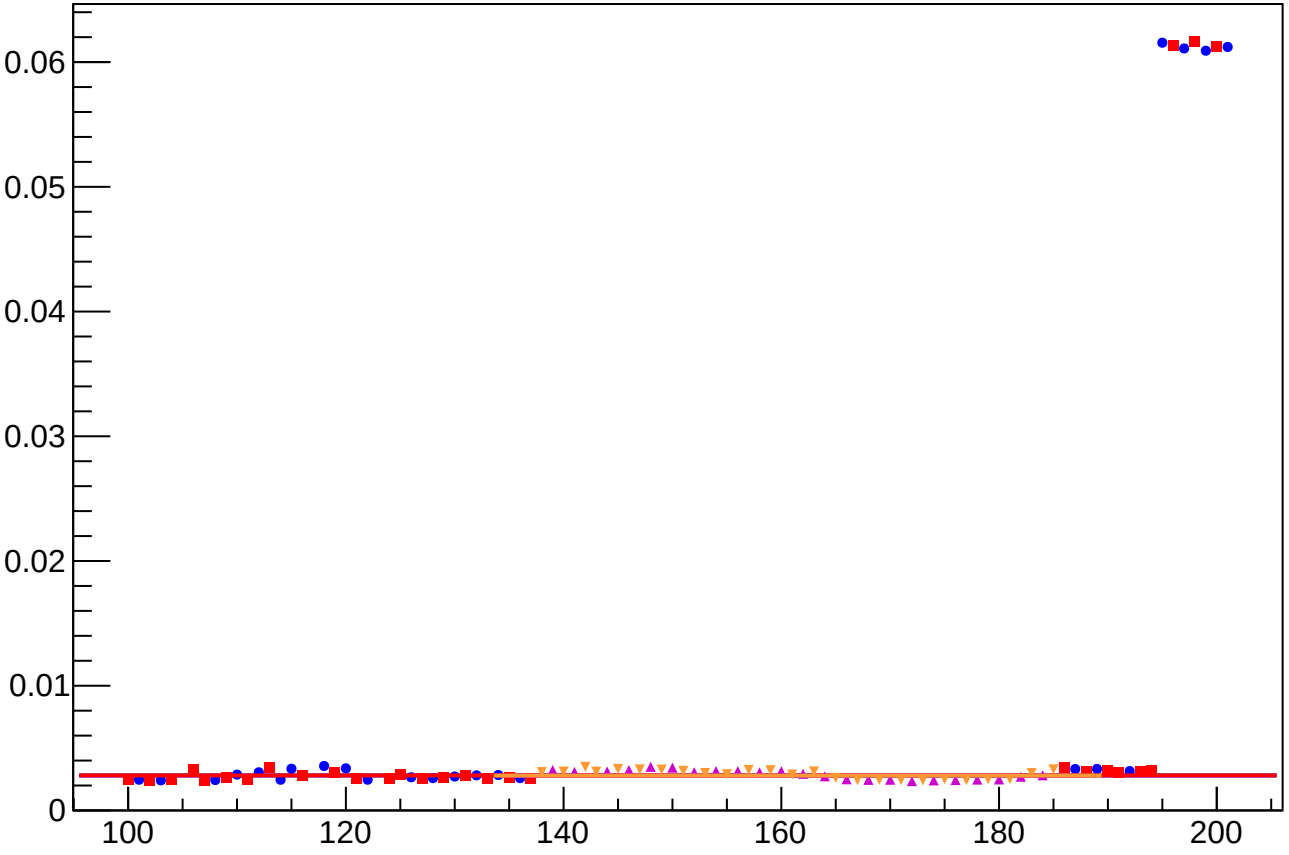
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.668+/-0.000 χ^2/NDF: 465634518980.7/47

All: -1.668+/-0.000 χ^2/NDF: 891064555769.2

- sign -1.669+/-0.000 χ^2/NDF: 425428618653.4/50

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

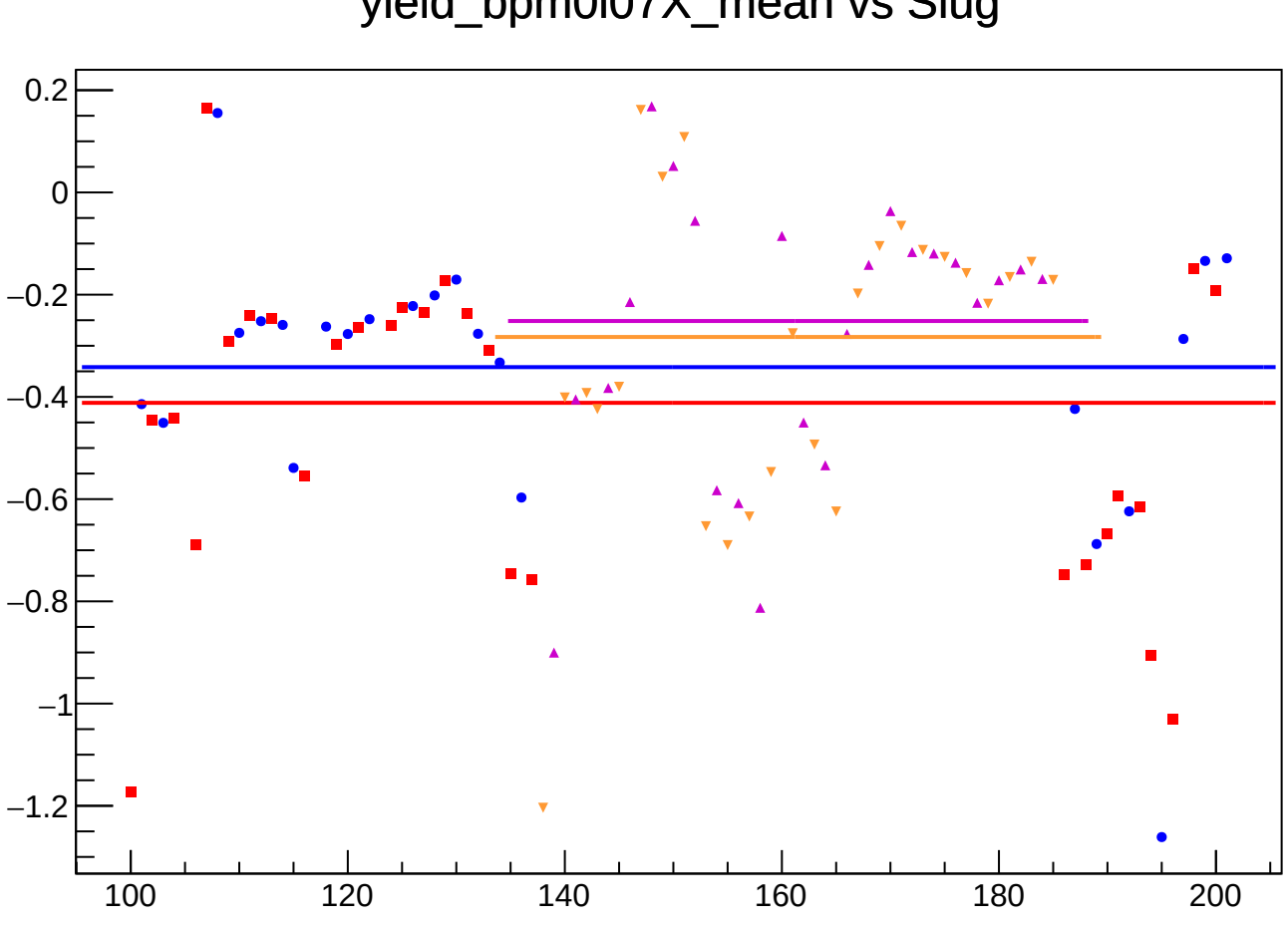
Right Out: 0.003+/-0.000 χ^2/NDF: 4901107.6/27

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

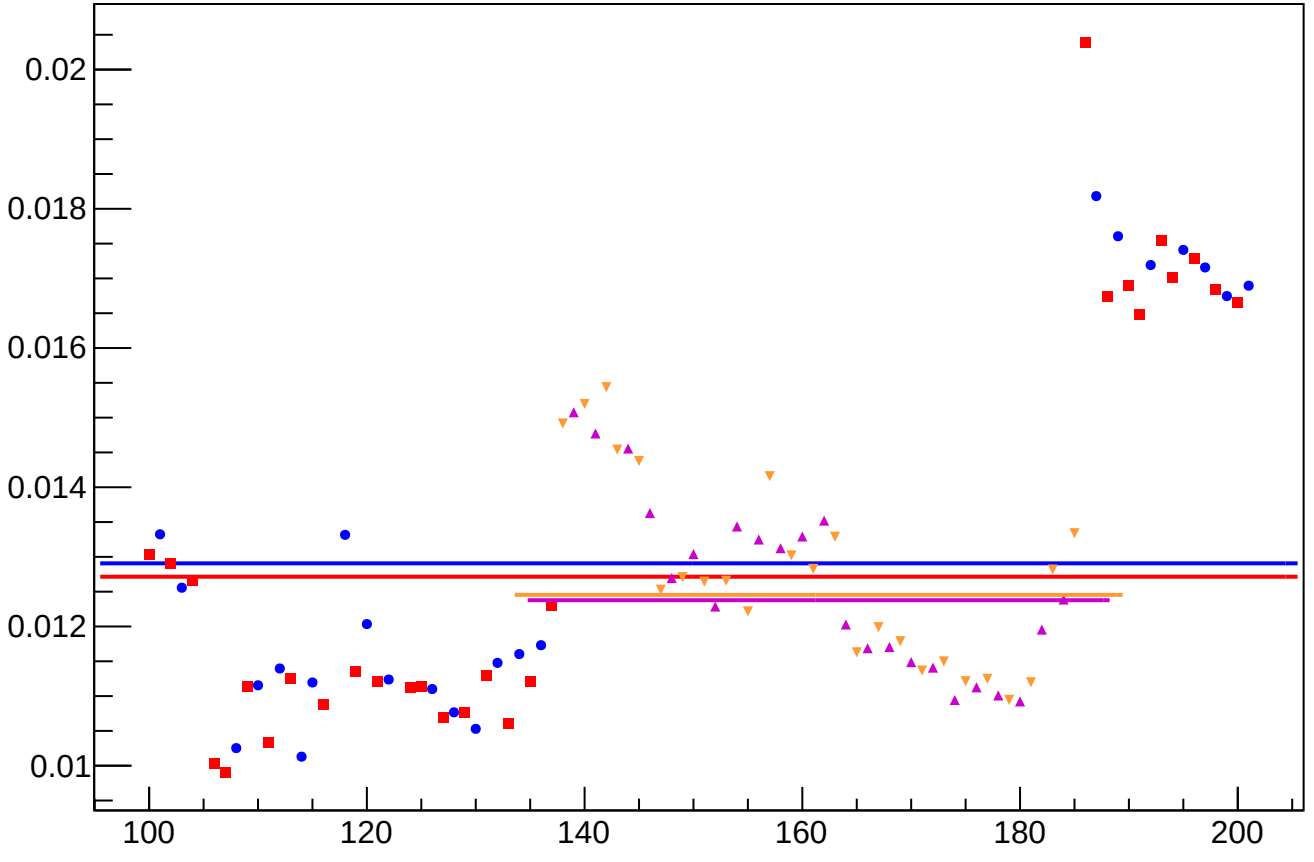
+ sign 0.003+/-0.000 χ^2/NDF: 7015801.3/47

All: 0.003+/-0.000 χ^2/NDF: 12475155.0/98

- sign 0.003+/-0.000 χ^2/NDF: 5459238.8/50


yield_bpm0l07X_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
120
140
160
180
200
Right In: -0.342+/-0.000 χ²/NDF: 4899712748.8/22
Left Out: -0.283+/-0.000 χ²/NDF:9343511244.8/24
Right Out: -0.412+/-0.000 χ²/NDF: 5697937745.8/27
Left In: -0.252+/-0.000 χ²/NDF:7167367678.6/22
+ sign -0.305+/-0.000 χ²/NDF: 14394620242.6/47
All: -0.311+/-0.000 χ²/NDF: 28467948354.9/
- sign -0.318+/-0.000 χ²/NDF: 14057664362.4/50

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: 1180796.4/27

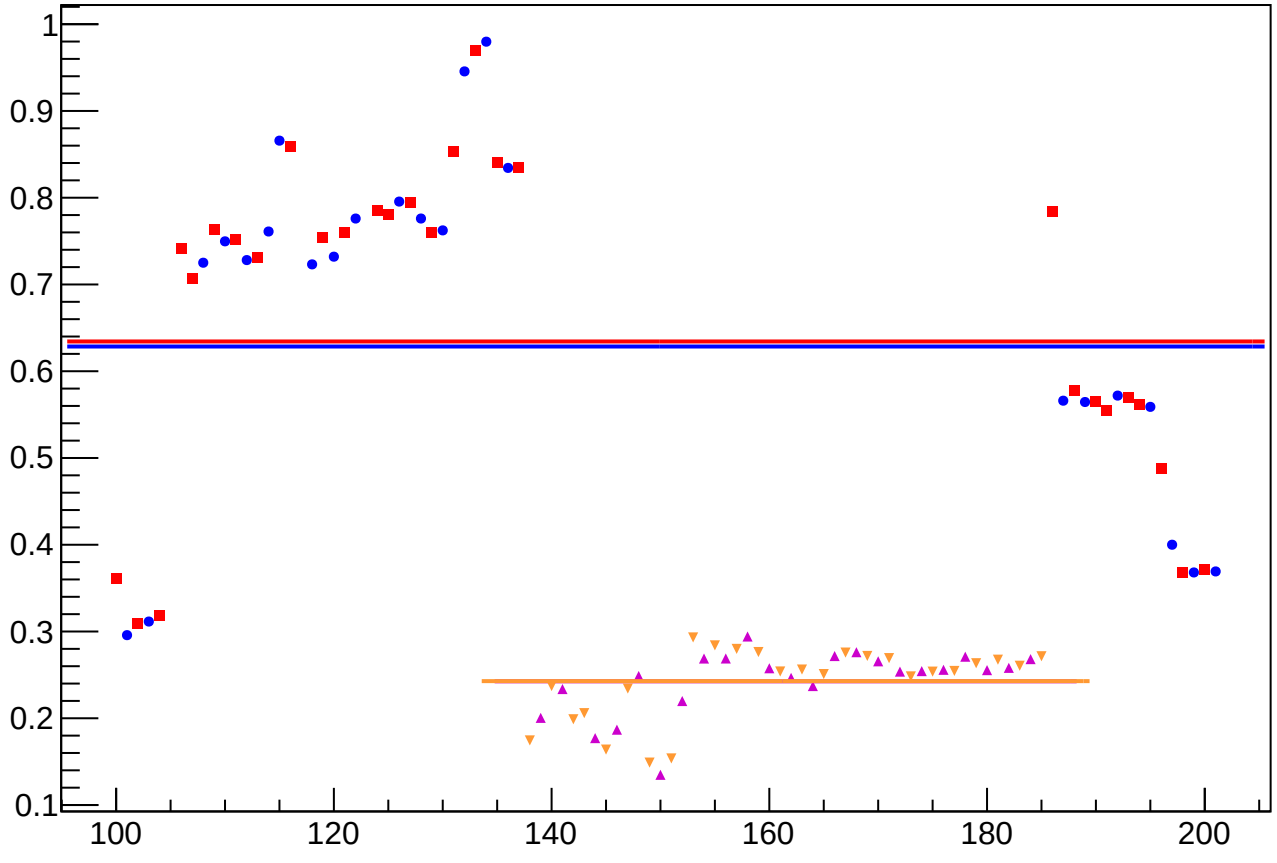
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 1265341.0/47

All: 0.013+/-0.000 χ^2/NDF: 2785756.0/98

- sign 0.013+/-0.000 χ^2/NDF: 1518314.5/50

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: 0.634+/-0.000 χ^2/NDF: 69421162433.4/27

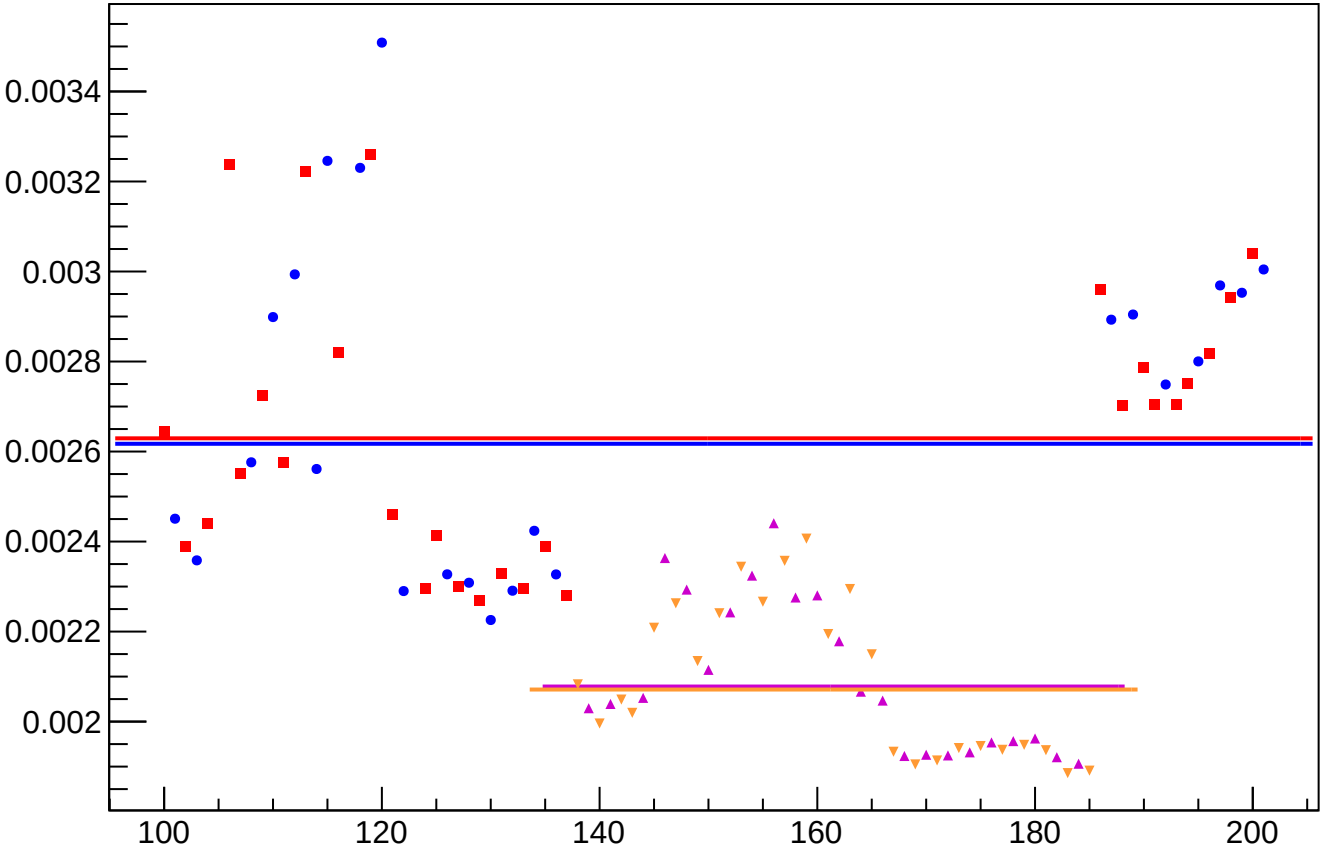
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.350+/-0.000 χ^2/NDF: 266548193652.7/47

All: 0.357+/-0.000 χ^2/NDF: 542104525492.9

- sign 0.364+/-0.000 χ^2/NDF: 274934170671.1/50

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: 290649.2/27

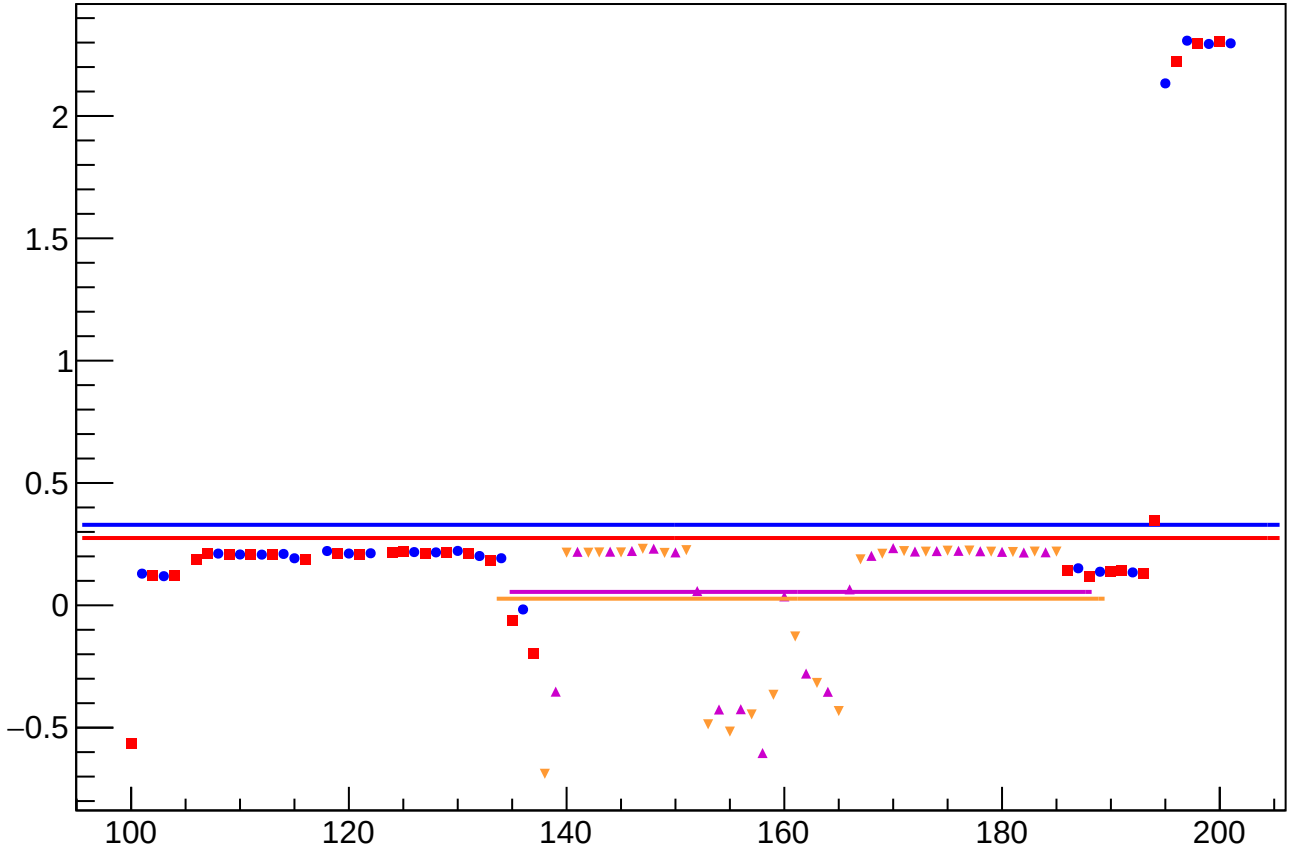
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 1322928.2/47

All: 0.002+/-0.000 χ^2/NDF: 2621019.5/98

- sign 0.002+/-0.000 χ^2/NDF: 1293891.8/50

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: 0.275+/-0.000 χ^2/NDF: 21920778348.4/27

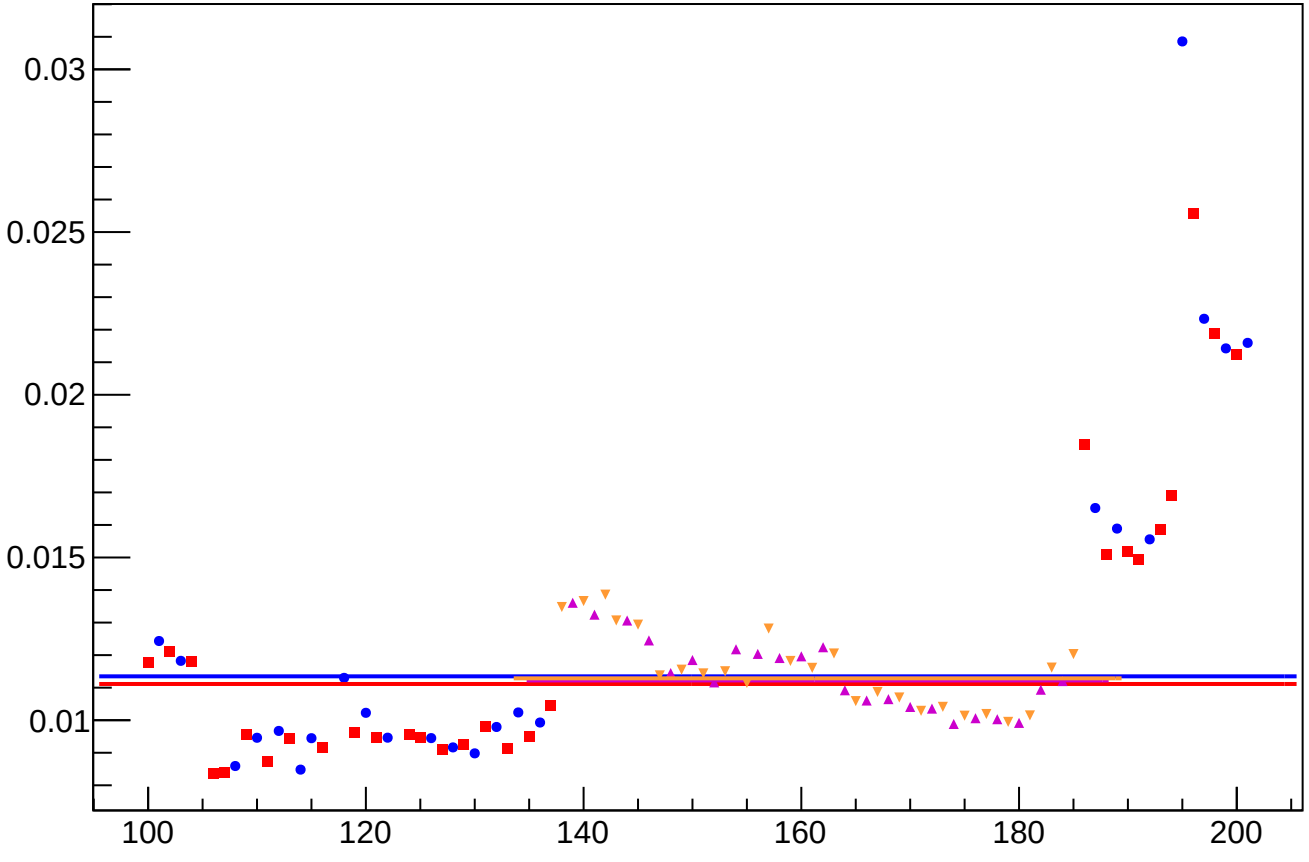
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.138+/-0.000 χ^2/NDF: 43774541319.8/47

All: 0.142+/-0.000 χ^2/NDF: 78175785023.7/9

- sign 0.146+/-0.000 χ^2/NDF: 34392966005.1/50

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

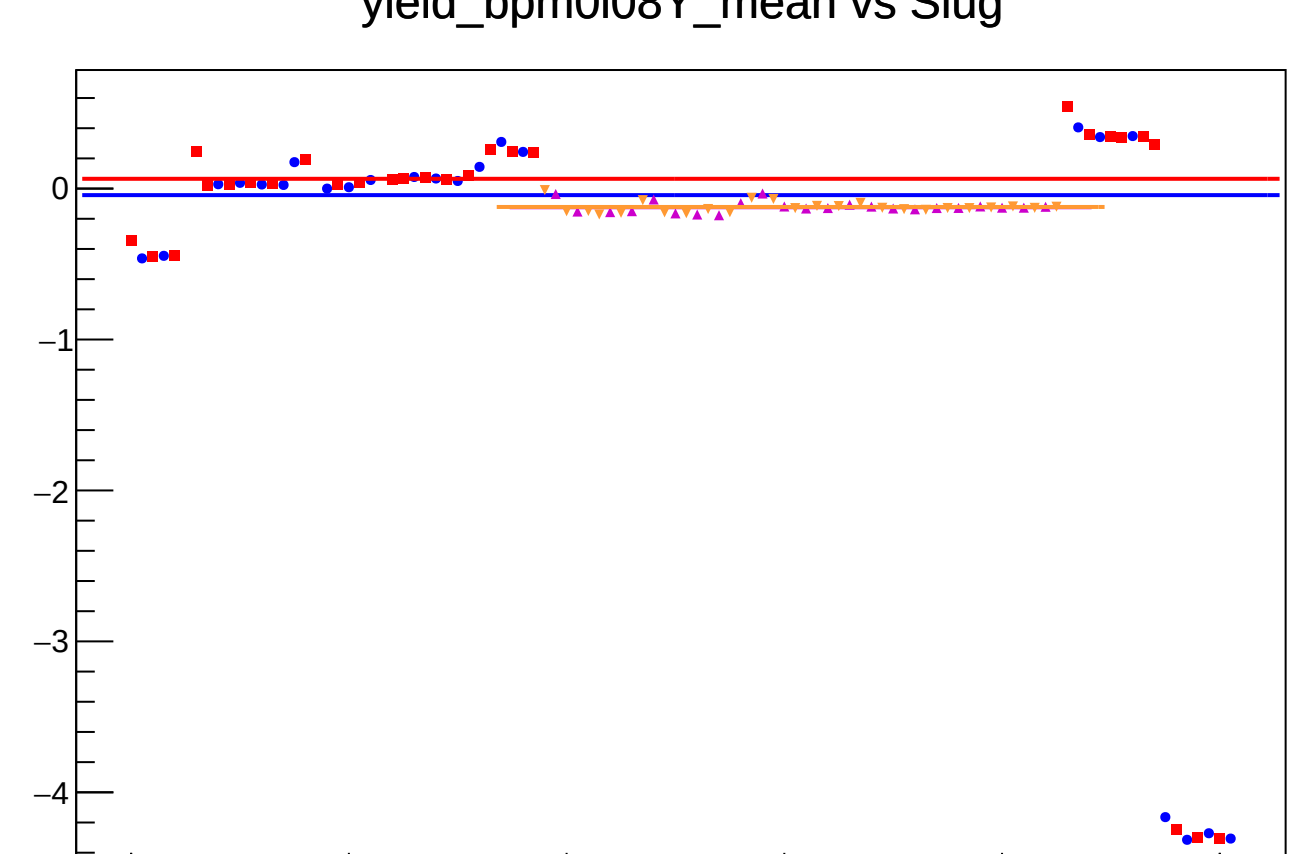
Right Out: 0.011+/-0.000 χ^2/NDF: 2497329.4/27

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: 5711398.7/98

- sign 0.011+/-0.000 χ^2/NDF: 2813947.6/50



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: 0.065+/-0.000 χ^2/NDF: 183392329324.4/27

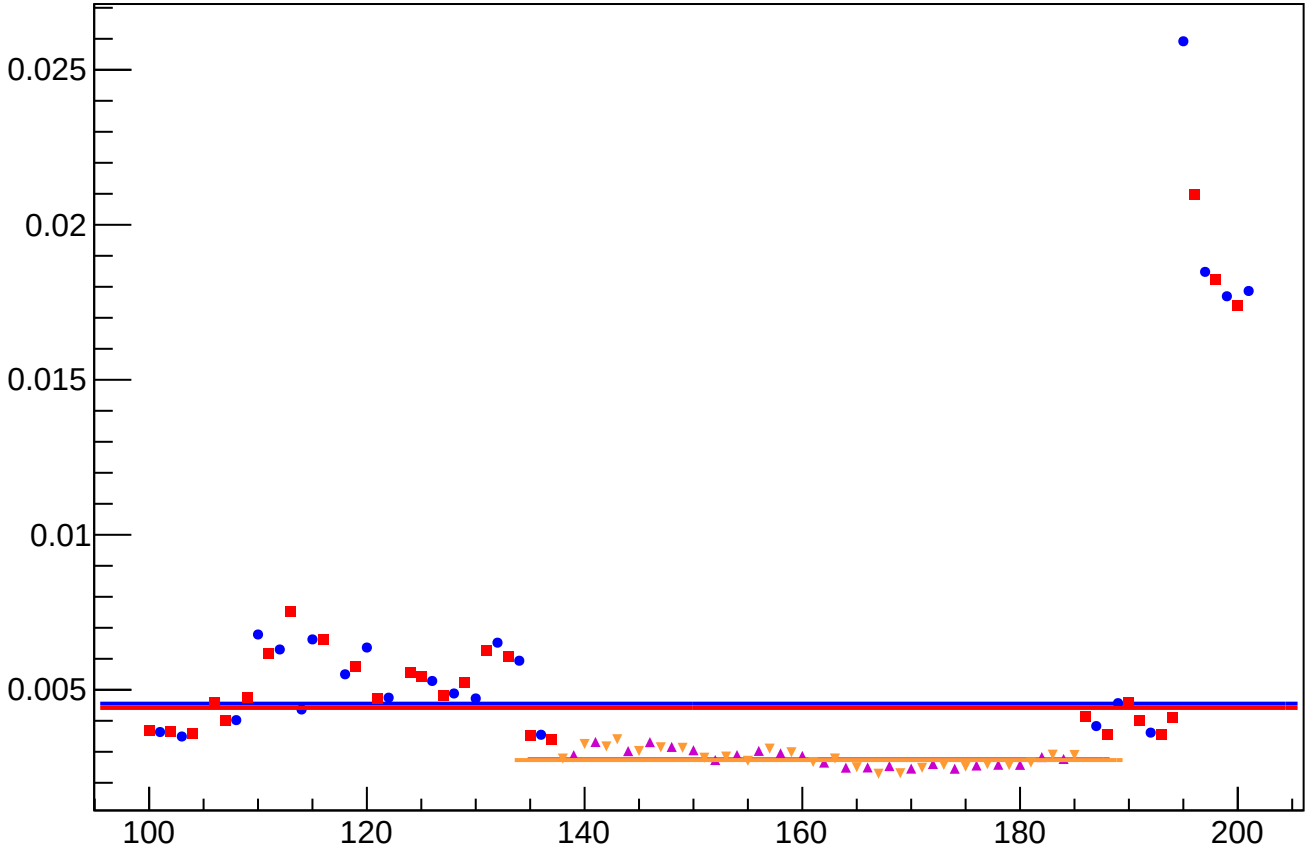
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.110+/-0.000 χ^2/NDF: 208932574221.2/47

All: -0.099+/-0.000 χ^2/NDF: 411510280200.2

- sign -0.087+/-0.000 χ^2/NDF: 201846965031.7/50

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: 3842362.1/27

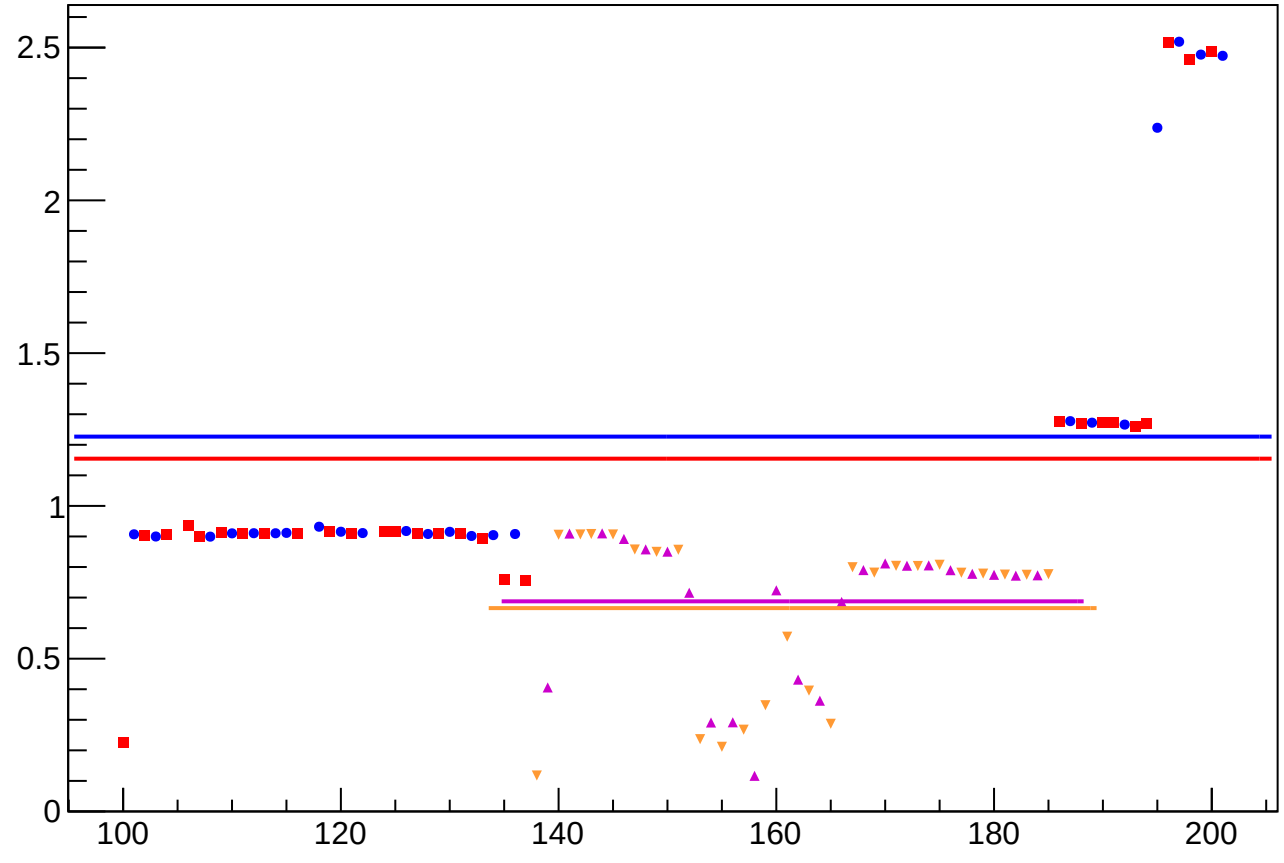
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 7664298.7/47

All: 0.003+/-0.000 χ^2/NDF: 14236475.3/98

- sign 0.003+/-0.000 χ^2/NDF: 6558588.5/50

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: 1.155+/-0.000 χ^2/NDF: 24854958785.1/27

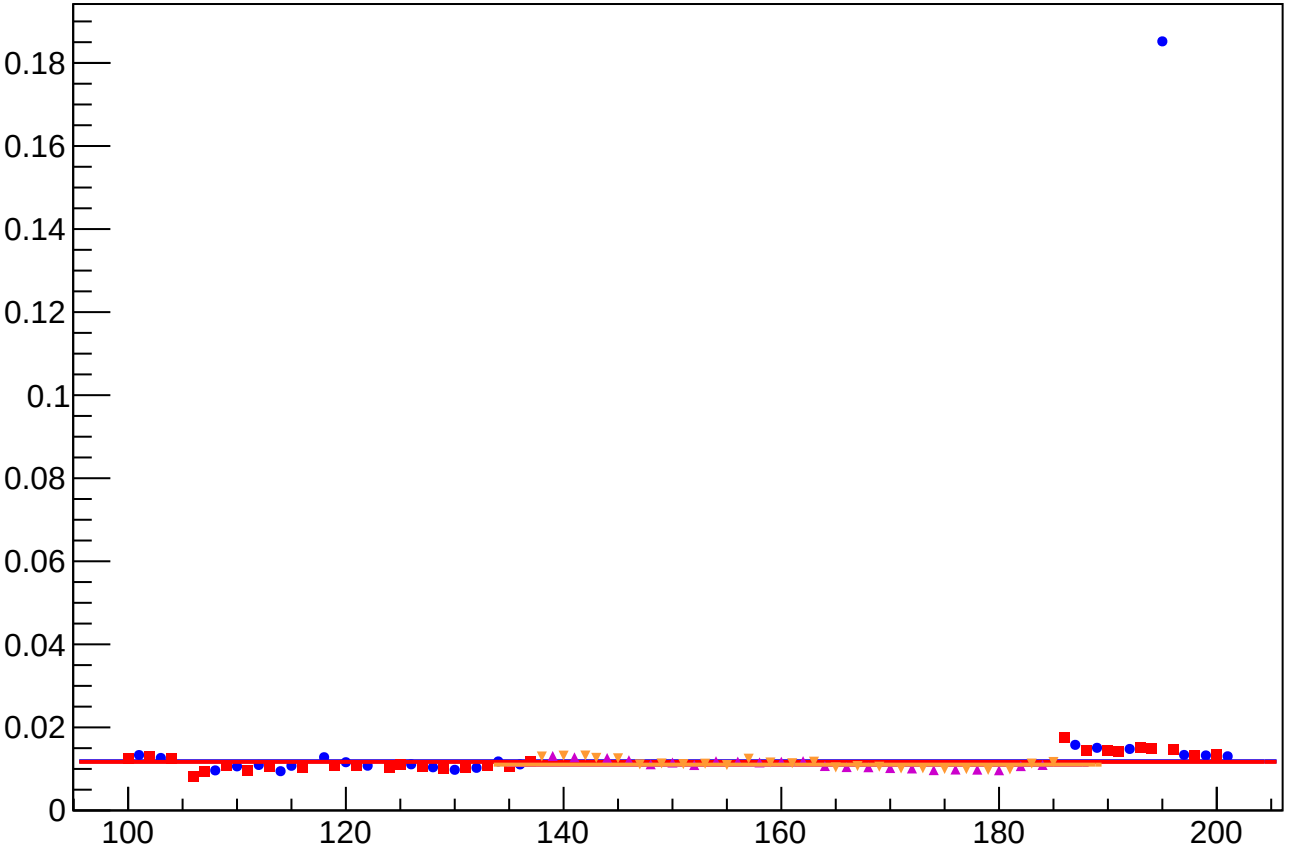
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.856+/-0.000 χ^2/NDF: 53240689442.1/47

All: 0.861+/-0.000 χ^2/NDF: 97243438775.5/9

- sign 0.867+/-0.000 χ^2/NDF: 43988781082.0/50

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: 713275.3/27

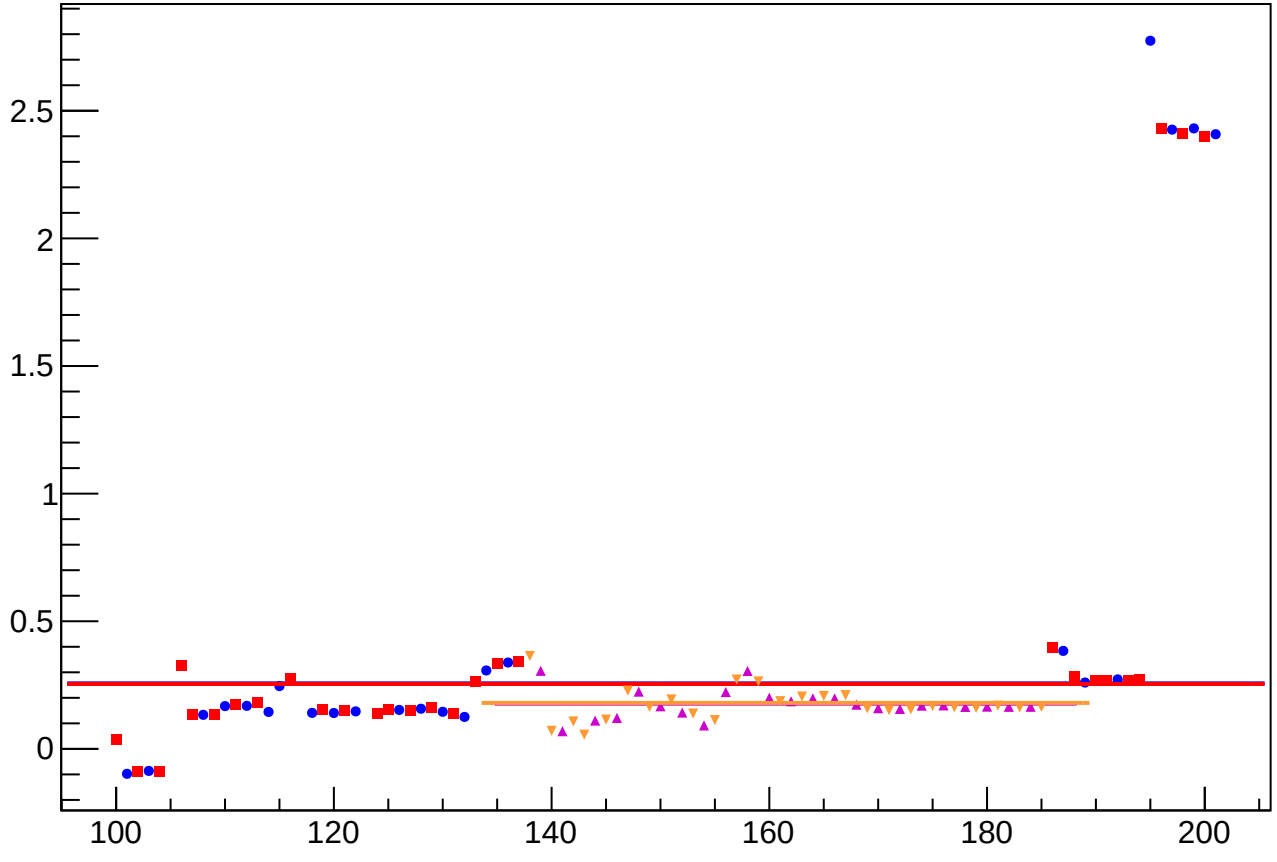
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2309672.8/47

All: 0.011+/-0.000 χ^2/NDF: 3371015.2/98

- sign 0.011+/-0.000 χ^2/NDF: 1060404.6/50

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: 0.254+/-0.000 χ^2/NDF: 67141457019.6/27

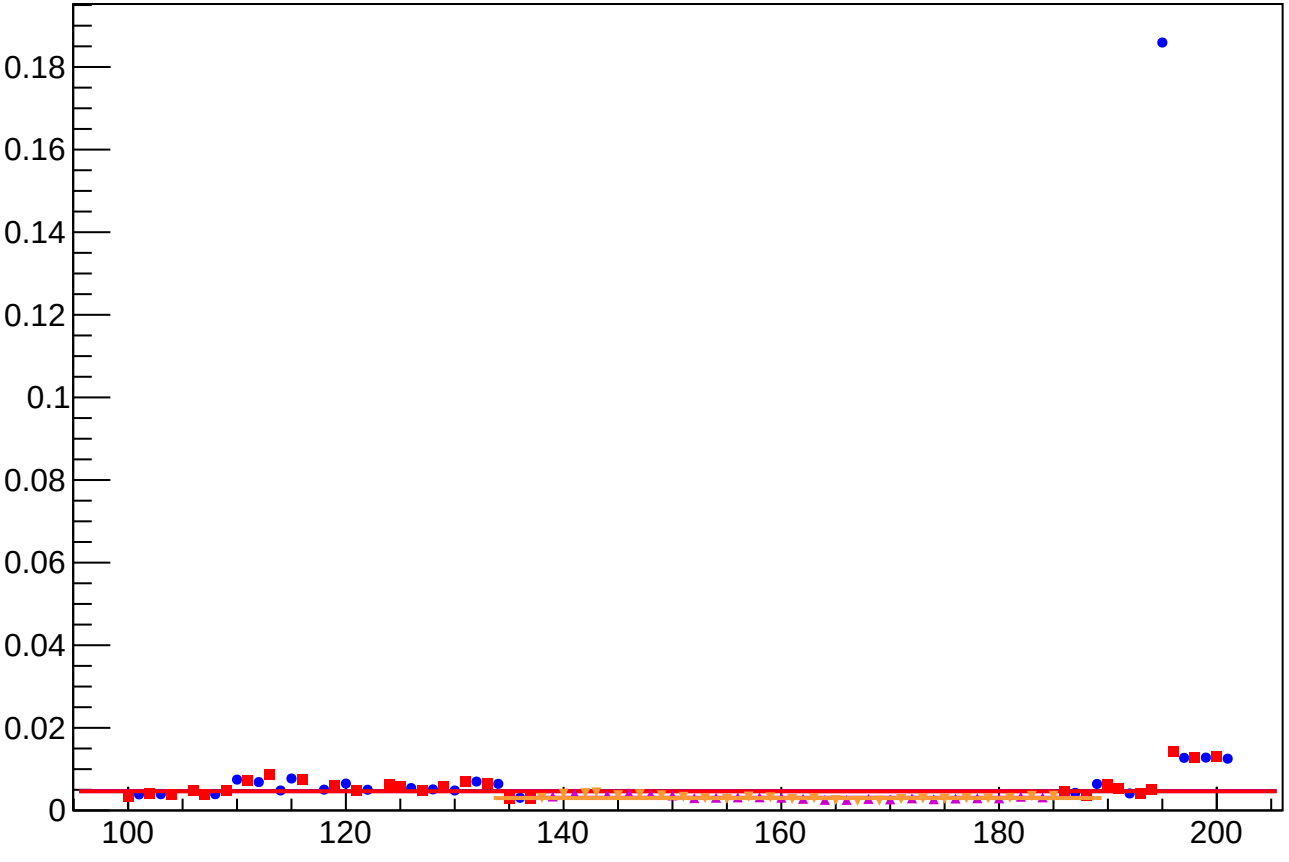
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.193+/-0.000 χ^2/NDF: 91105905852.6/47

All: 0.193+/-0.000 χ^2/NDF: 165078467116.4

- sign 0.193+/-0.000 χ^2/NDF: 73972400334.7/50

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

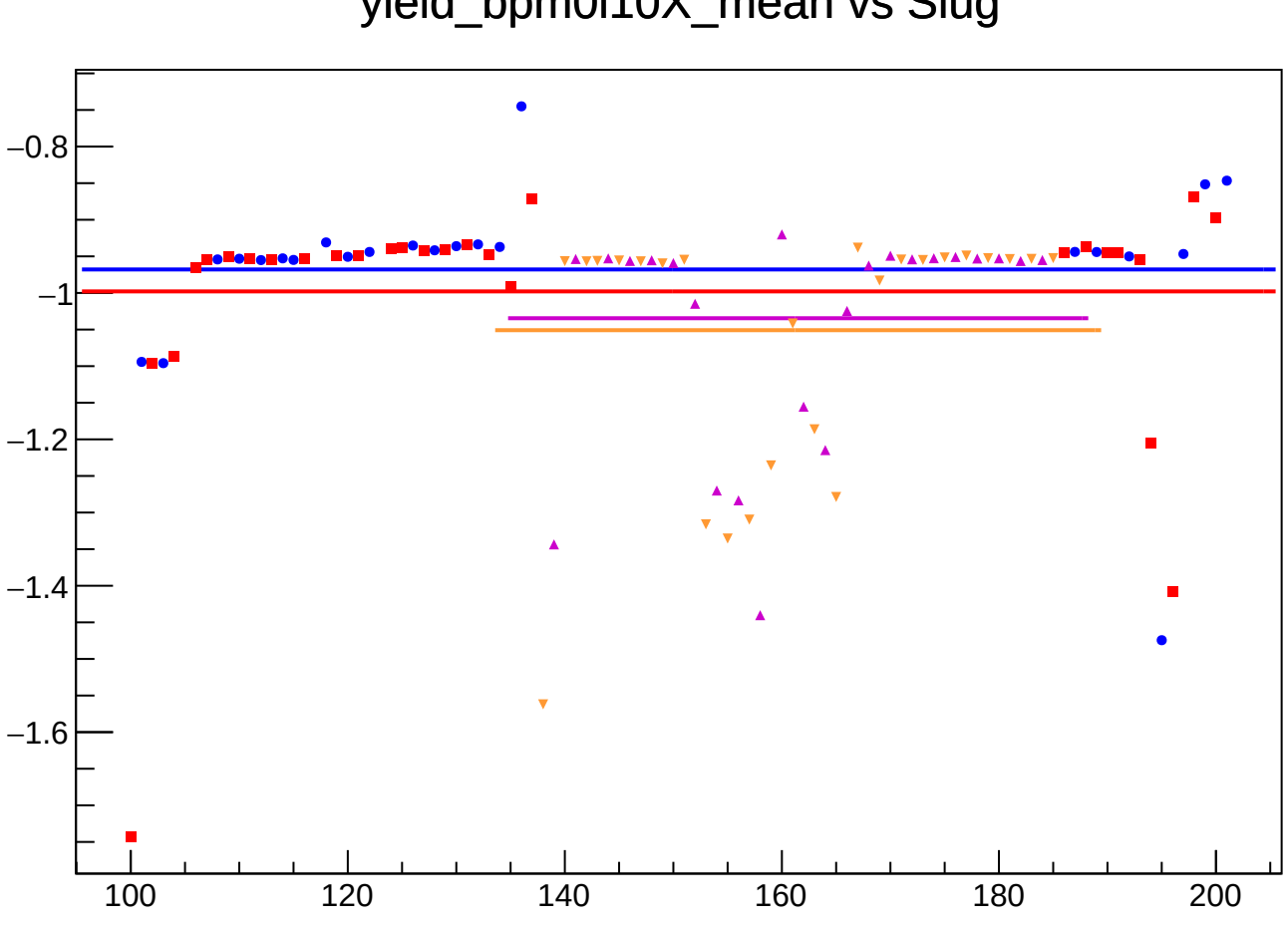
Right Out: 0.005+/-0.000 χ^2/NDF: 3069063.5/27

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: 12967178.0/98

- sign 0.003+/-0.000 χ^2/NDF: 5503334.6/50



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: -0.998+/-0.000 χ^2/NDF: 1732450091.3/27

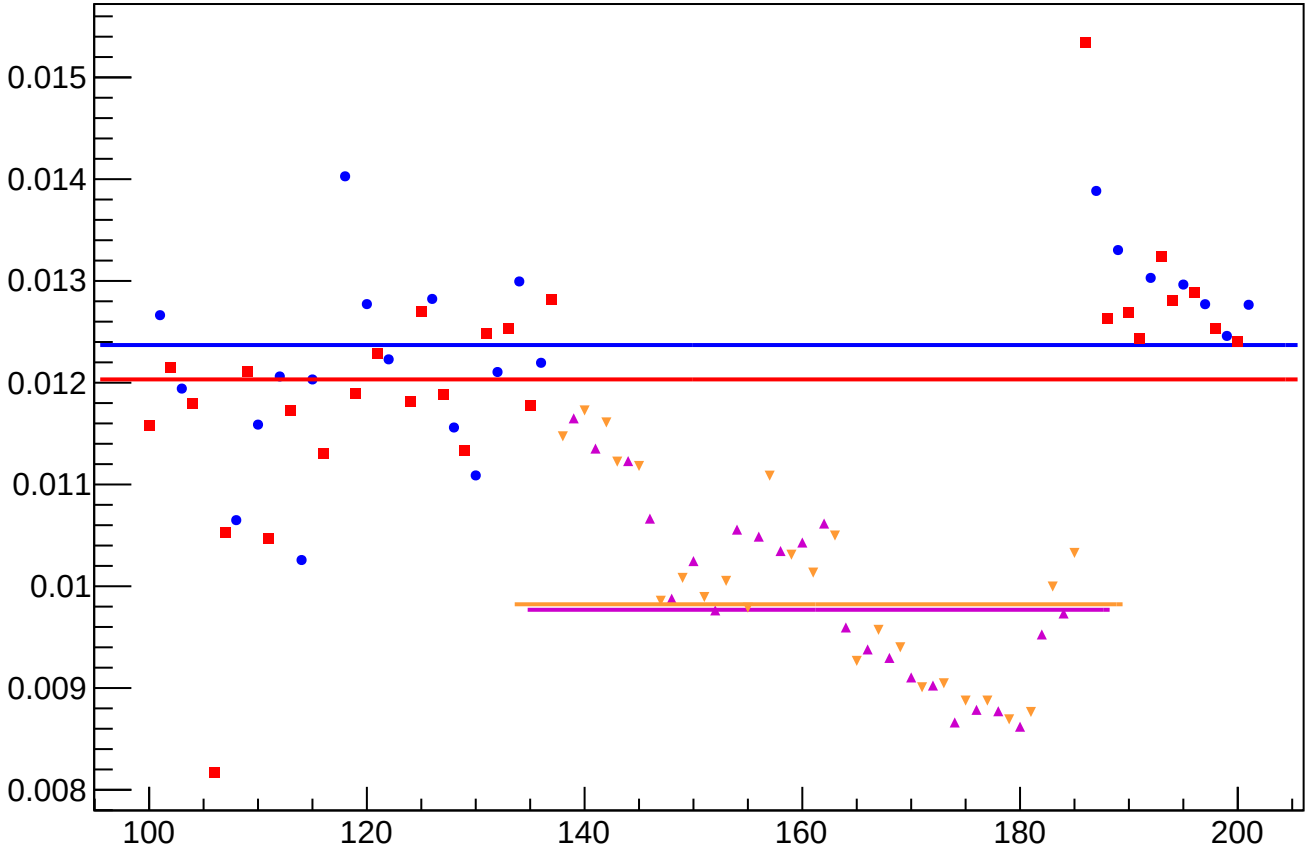
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.027+/-0.000 χ^2/NDF: 7350185507.3/47

All: -1.025+/-0.000 χ^2/NDF: 13093199577.4/

- sign -1.022+/-0.000 χ^2/NDF: 5740153247.1/50

yield_bpm0l10X_rms vs Slug



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: 254635.8/27

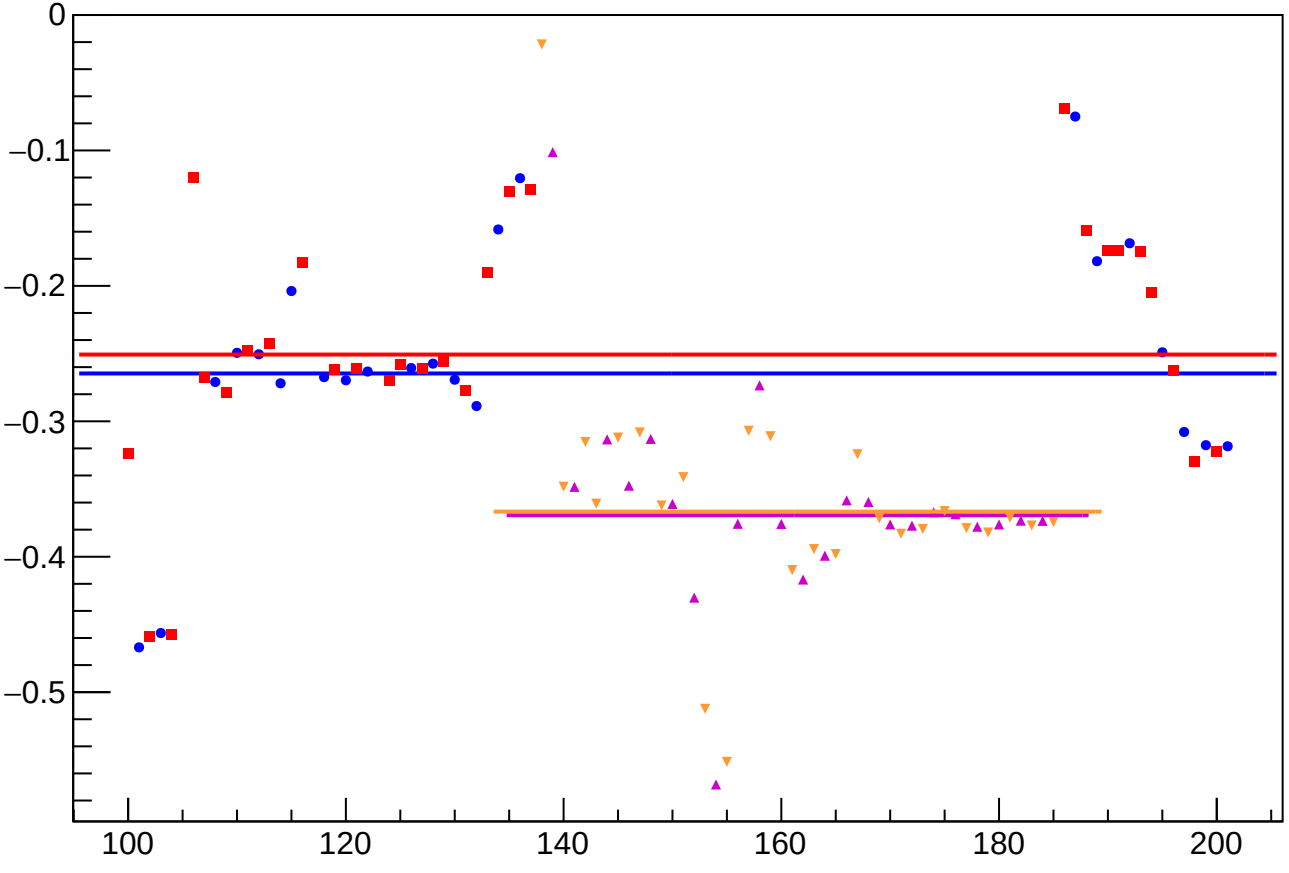
Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 1103651.4/47

All: 0.011+/-0.000 χ^2/NDF: 2265235.3/98

- sign 0.011+/-0.000 χ^2/NDF: 1161211.9/50

yield_bpm0l10Y_mean vs Slug



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: -0.251+/-0.000 χ^2/NDF: 7631241394.0/27

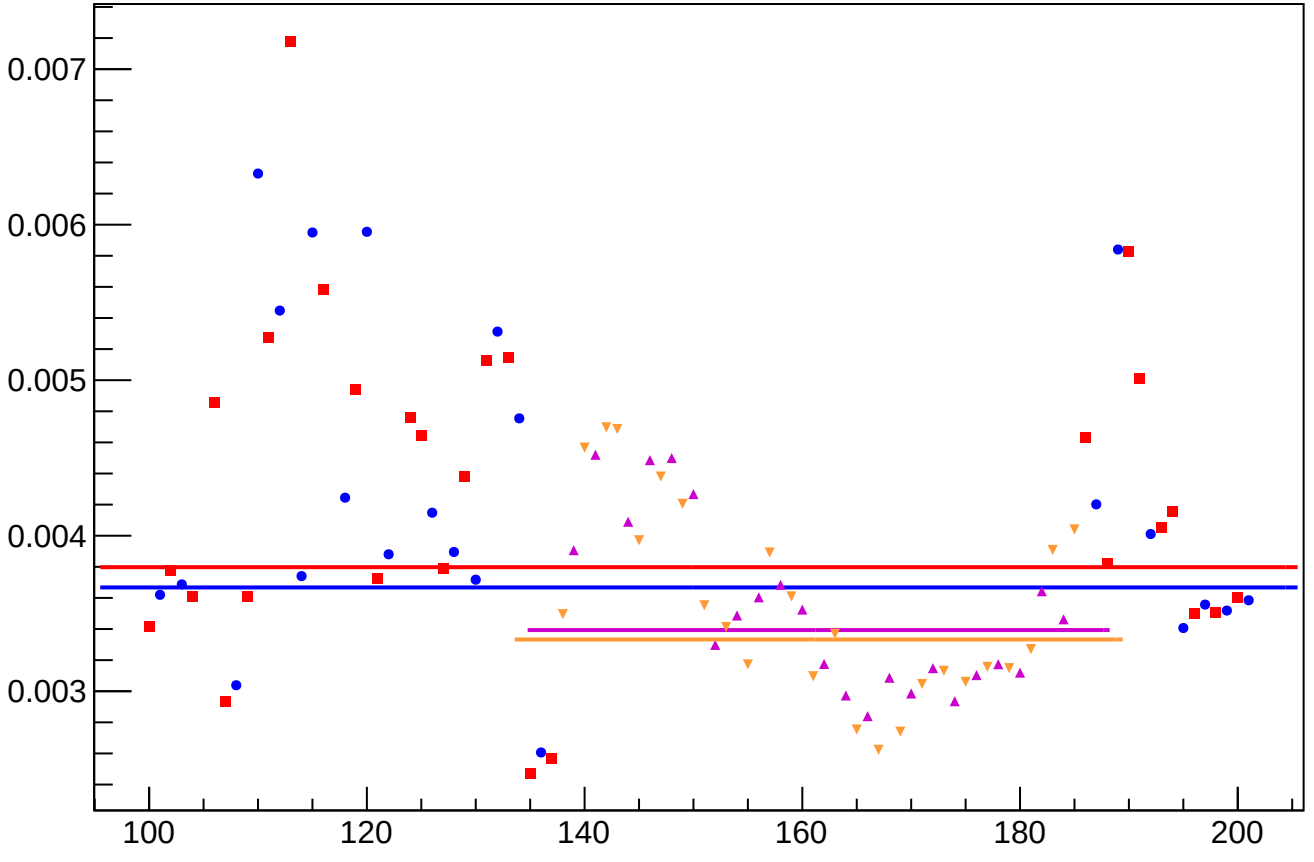
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.333+/-0.000 χ^2/NDF: 24967007815.2/47

All: -0.330+/-0.000 χ^2/NDF: 47584996052.9/

- sign -0.326+/-0.000 χ^2/NDF: 22569423360.0/50

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: 1072496.3/27

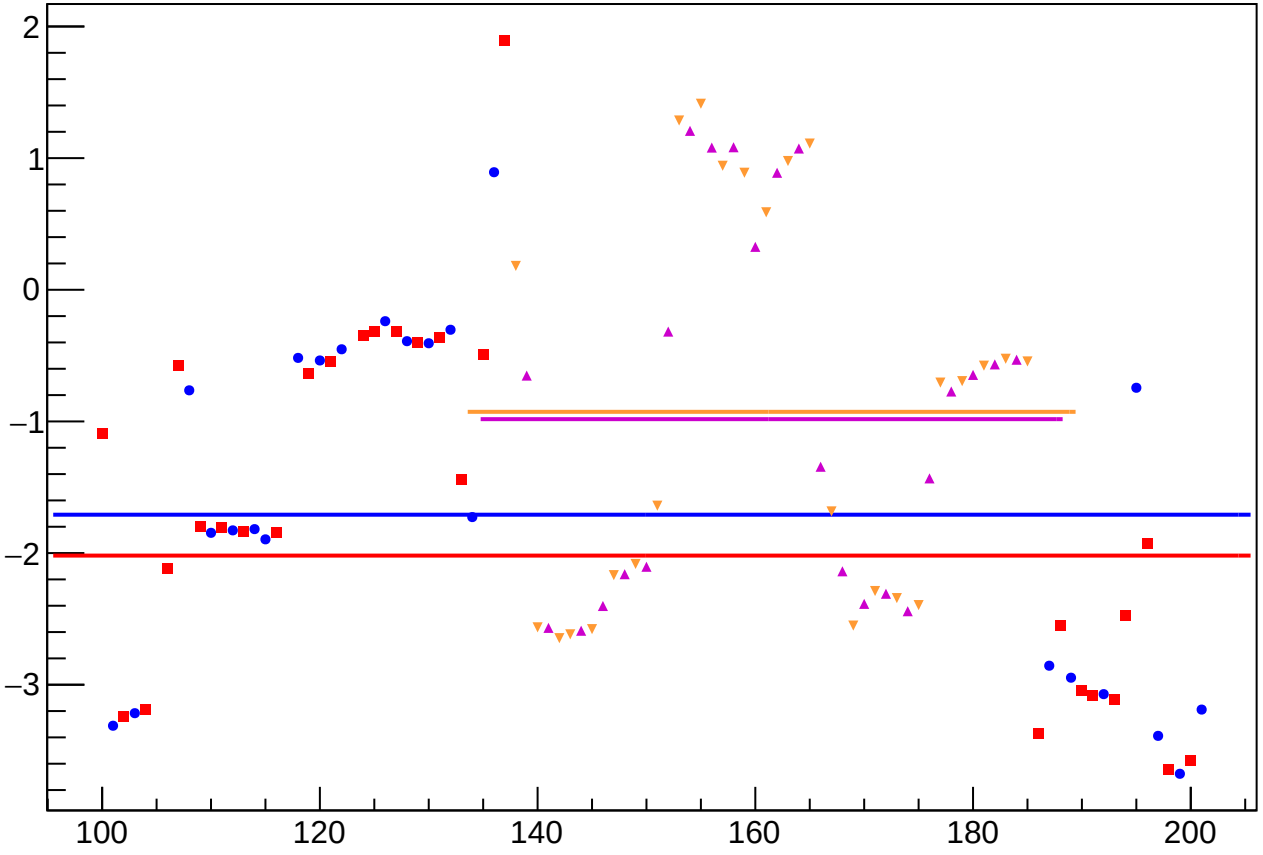
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1877446.3/47

All: 0.003+/-0.000 χ^2/NDF: 3775820.1/98

- sign 0.004+/-0.000 χ^2/NDF: 1877061.8/50

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: -2.019+/-0.000 χ^2/NDF: 3727049871.8/27

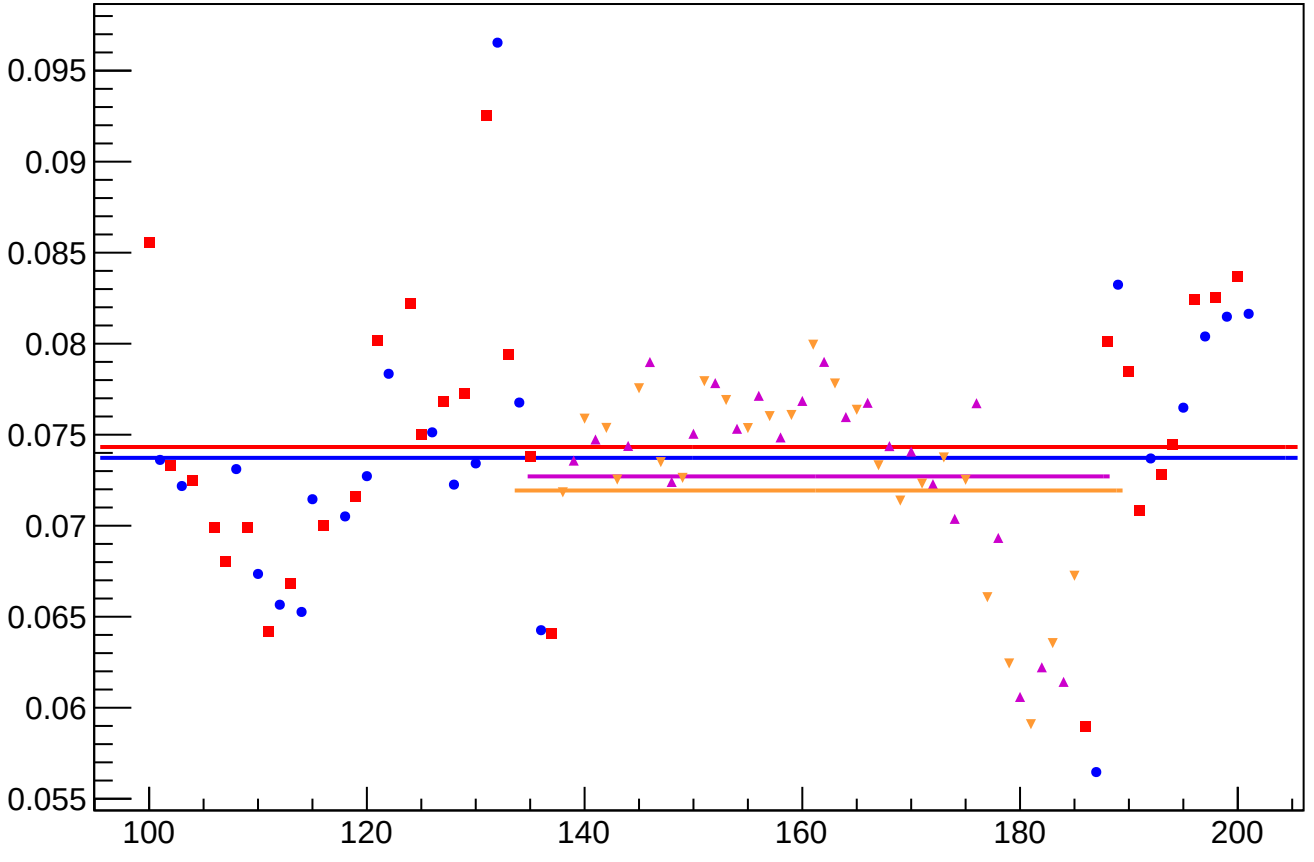
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.220+/-0.000 χ^2/NDF: 12824308247.2/47

All: -1.317+/-0.000 χ^2/NDF: 24094949519.4/

- sign -1.414+/-0.000 χ^2/NDF: 11160946049.2/50

yield_bpm0r03X_rms vs Slug



Right In: 0.074+/-0.000 χ^2/NDF: 204660.7/22

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

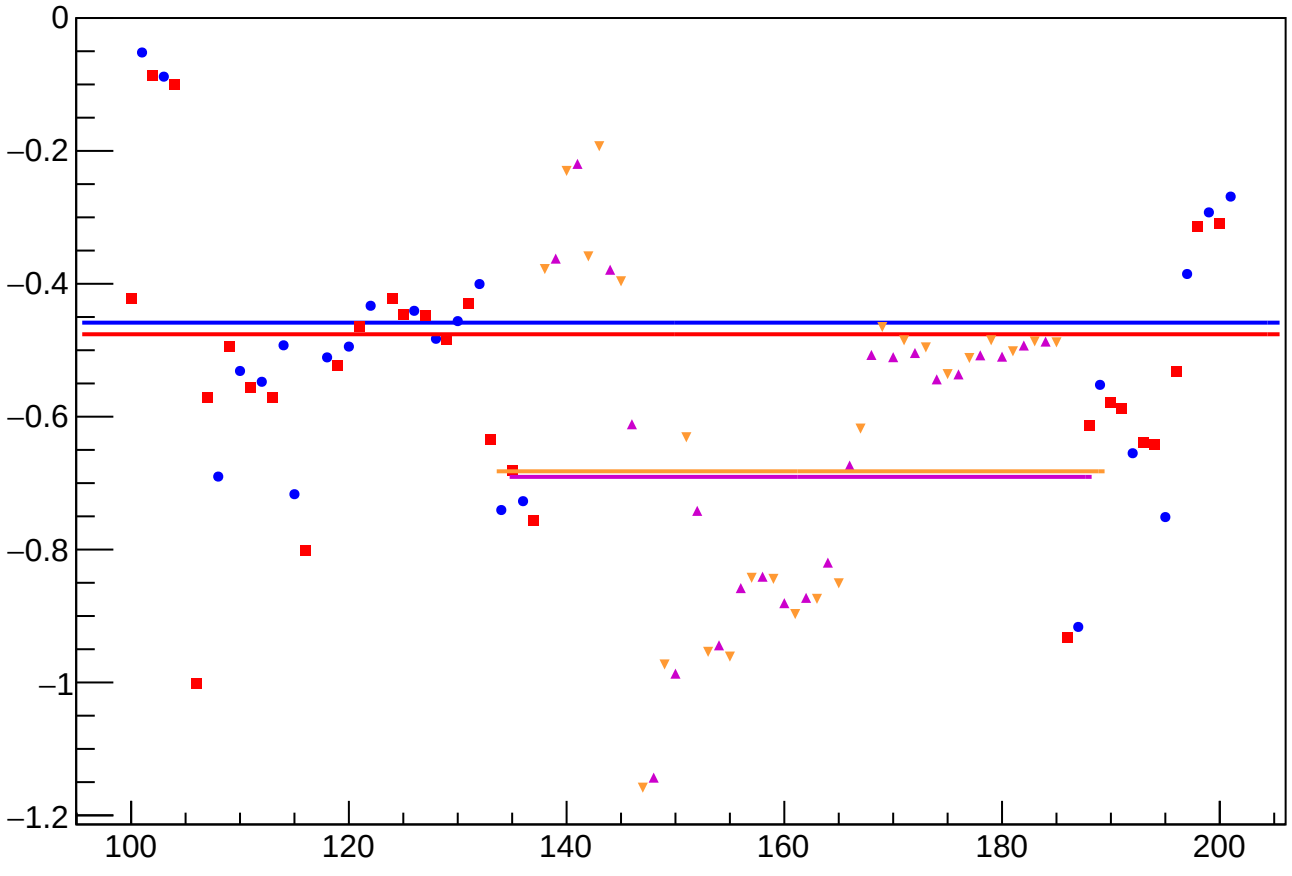
Right Out: 0.074+/-0.000 χ^2/NDF: 225987.7/27

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.073+/-0.000 χ^2/NDF: 449044.5/47

All: 0.073+/-0.000 χ^2/NDF: 882894.3/98

- sign 0.073+/-0.000 χ^2/NDF: 430353.2/50



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: -0.476+/-0.000 χ^2/NDF: 6008493850.9/27

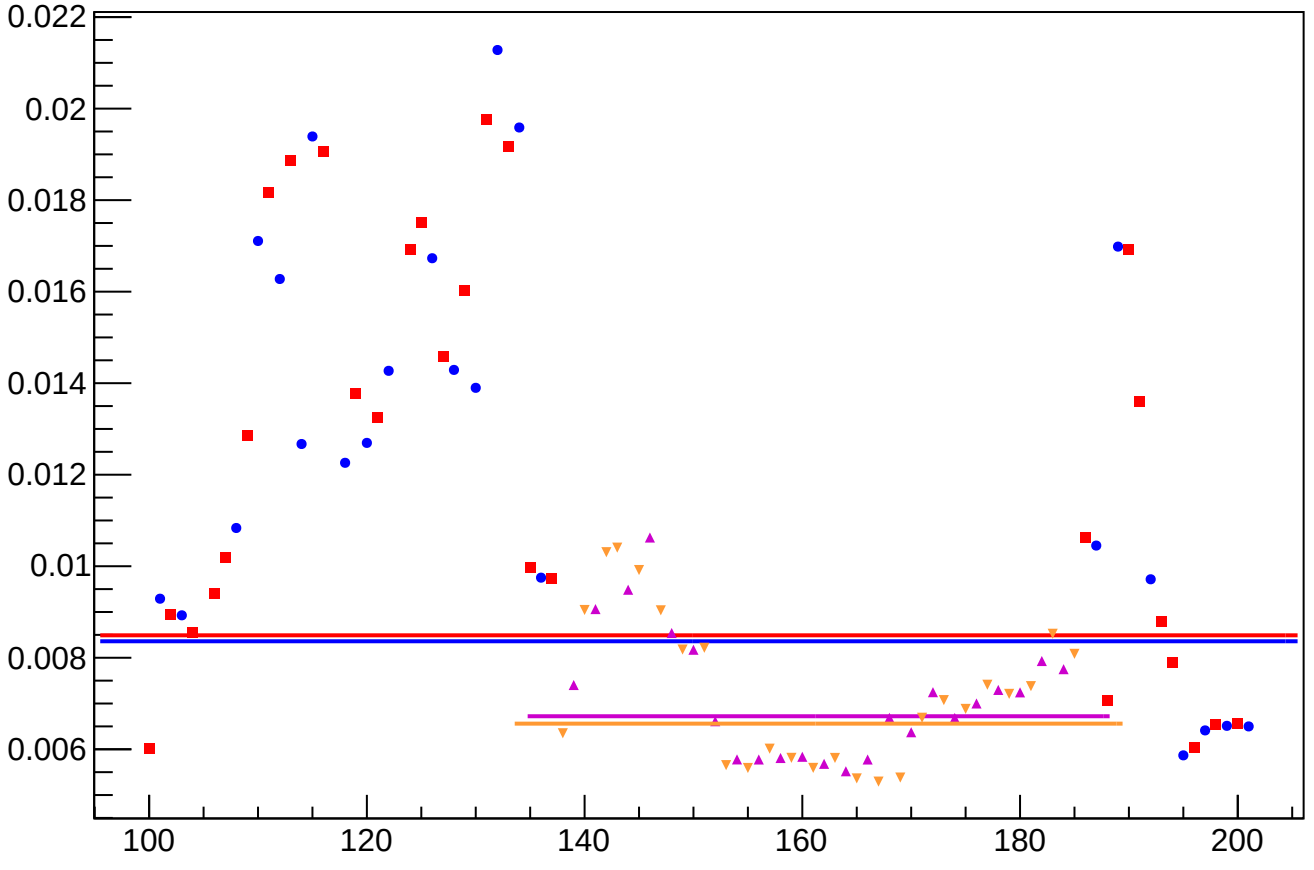
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.624+/-0.000 χ^2/NDF: 34453507177.8/47

All: -0.626+/-0.000 χ^2/NDF: 62260533961.8/

- sign -0.628+/-0.000 χ^2/NDF: 27802749192.7/50

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

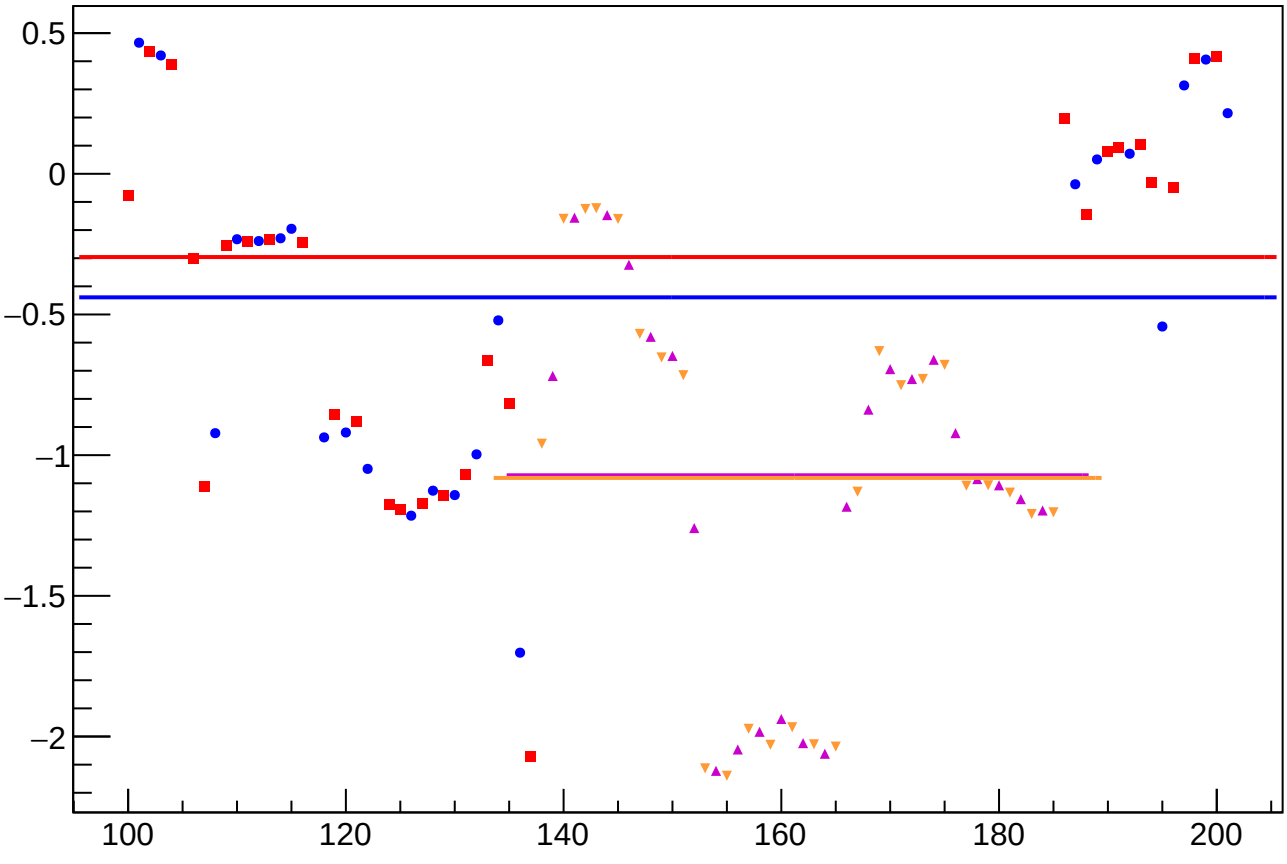
Right Out: 0.008+/-0.000 χ^2/NDF: 2877804.7/27

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: 9371783.8/98

- sign 0.007+/-0.000 χ^2/NDF: 4507420.9/50



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: -0.296+/-0.000 χ^2/NDF: 559874768.2/27

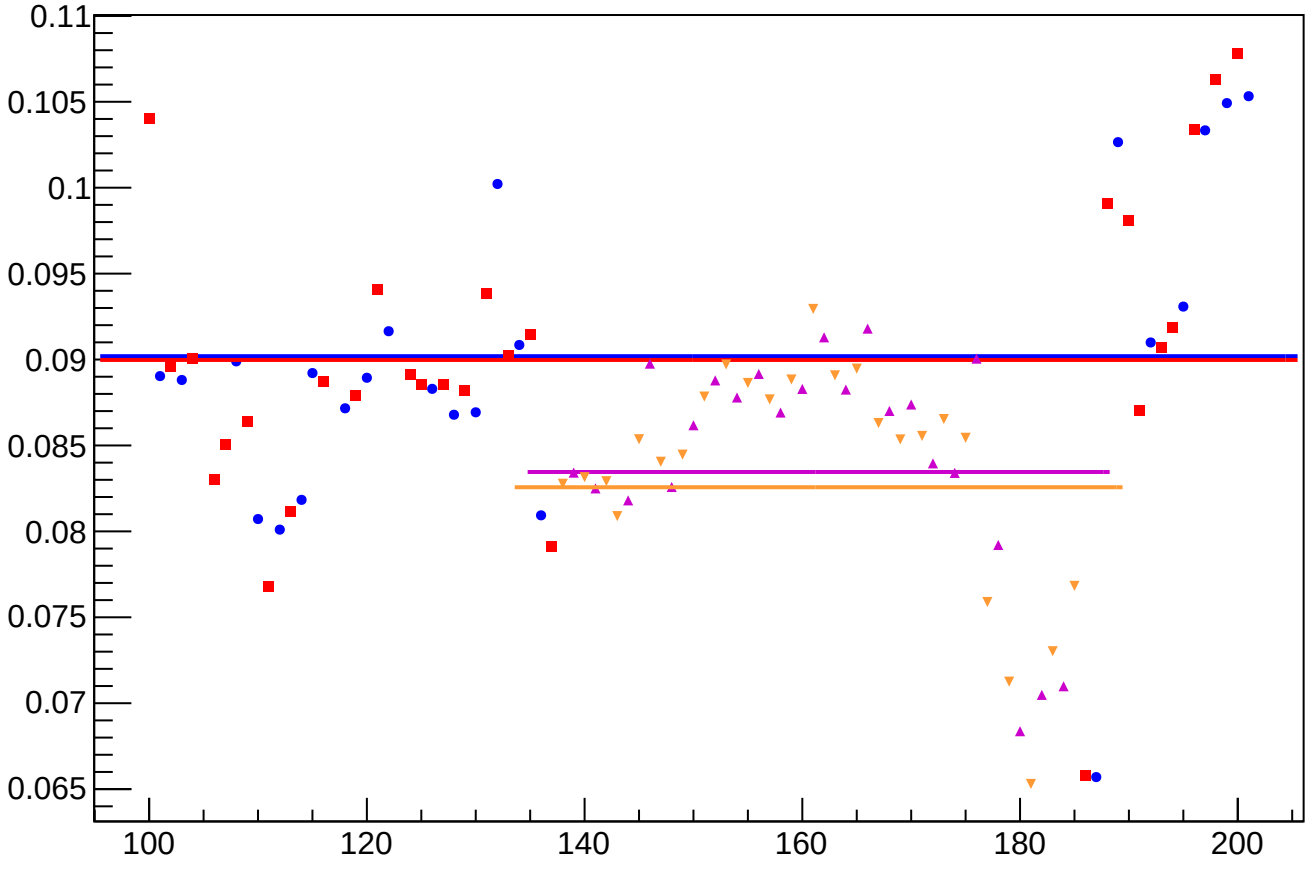
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.858+/-0.000 χ^2/NDF: 2247517510.1/47

All: -0.813+/-0.000 χ^2/NDF: 4411008967.2/9

- sign -0.768+/-0.000 χ^2/NDF: 2146346641.2/50

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: 309634.8/27

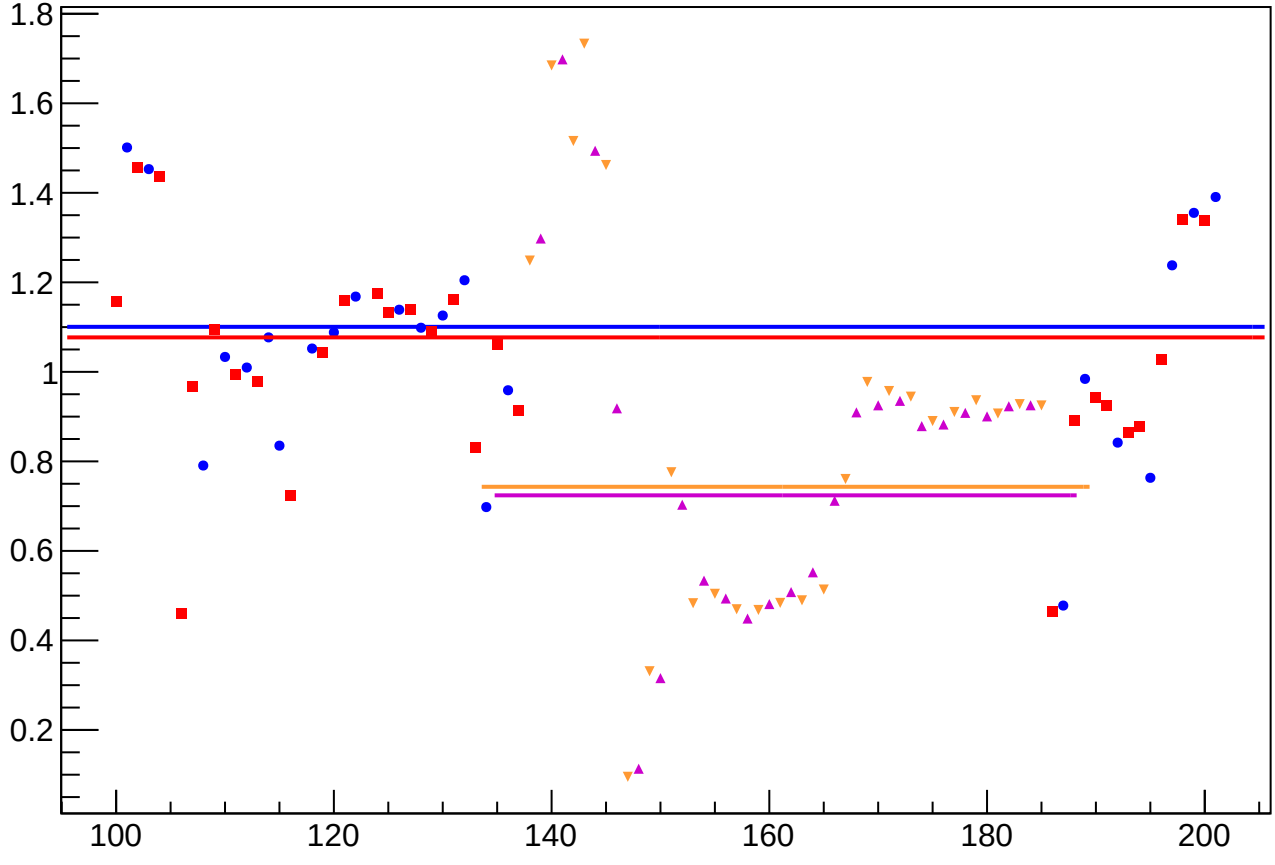
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.085+/-0.000 χ^2/NDF: 633553.4/47

All: 0.086+/-0.000 χ^2/NDF: 1270554.3/98

- sign 0.086+/-0.000 χ^2/NDF: 634356.2/50

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: 1.077+/-0.000 χ^2/NDF: 4209665497.2/27

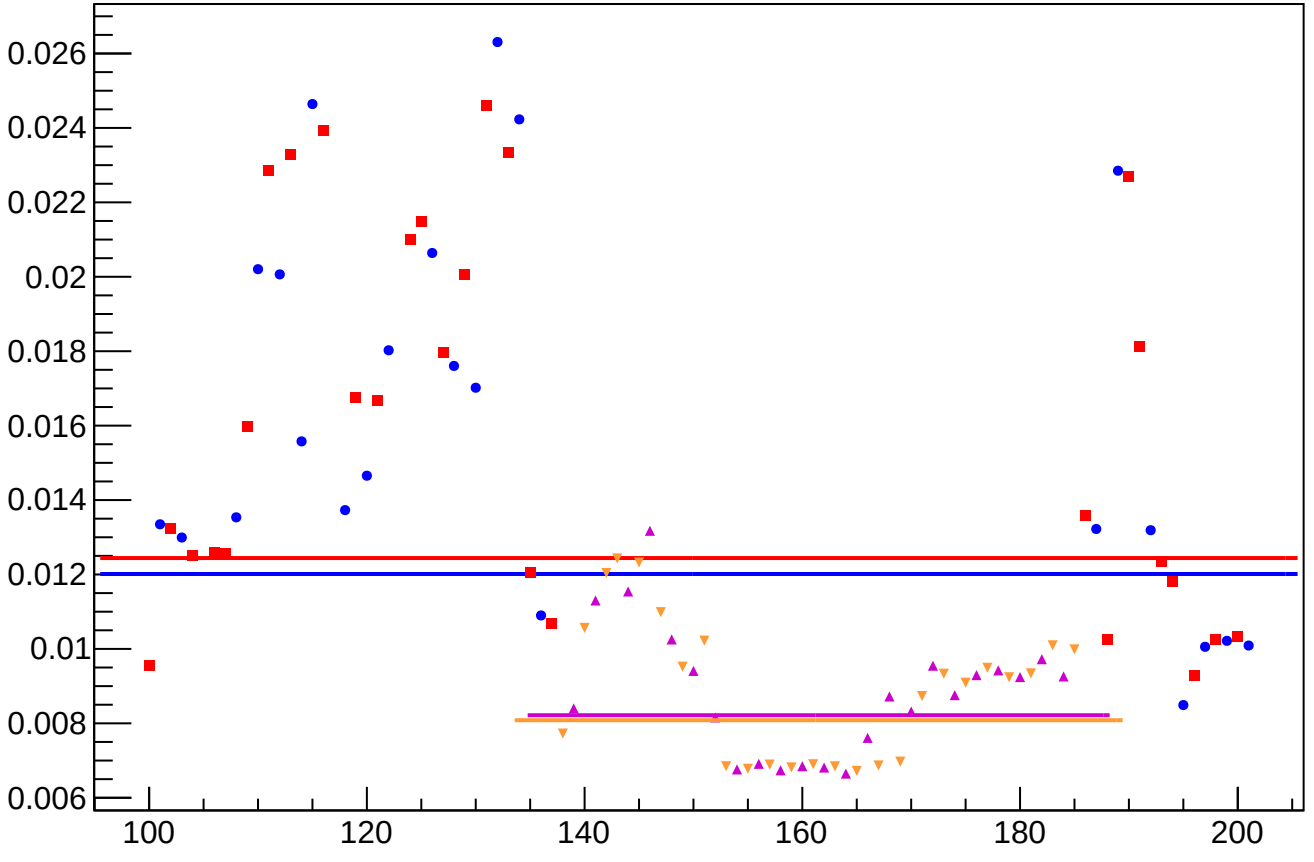
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.818+/-0.000 χ^2/NDF: 44736550470.3/47

All: 0.812+/-0.000 χ^2/NDF: 81692890341.8/9

- sign 0.805+/-0.000 χ^2/NDF: 36927605586.2/50

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: 1853505.3/27

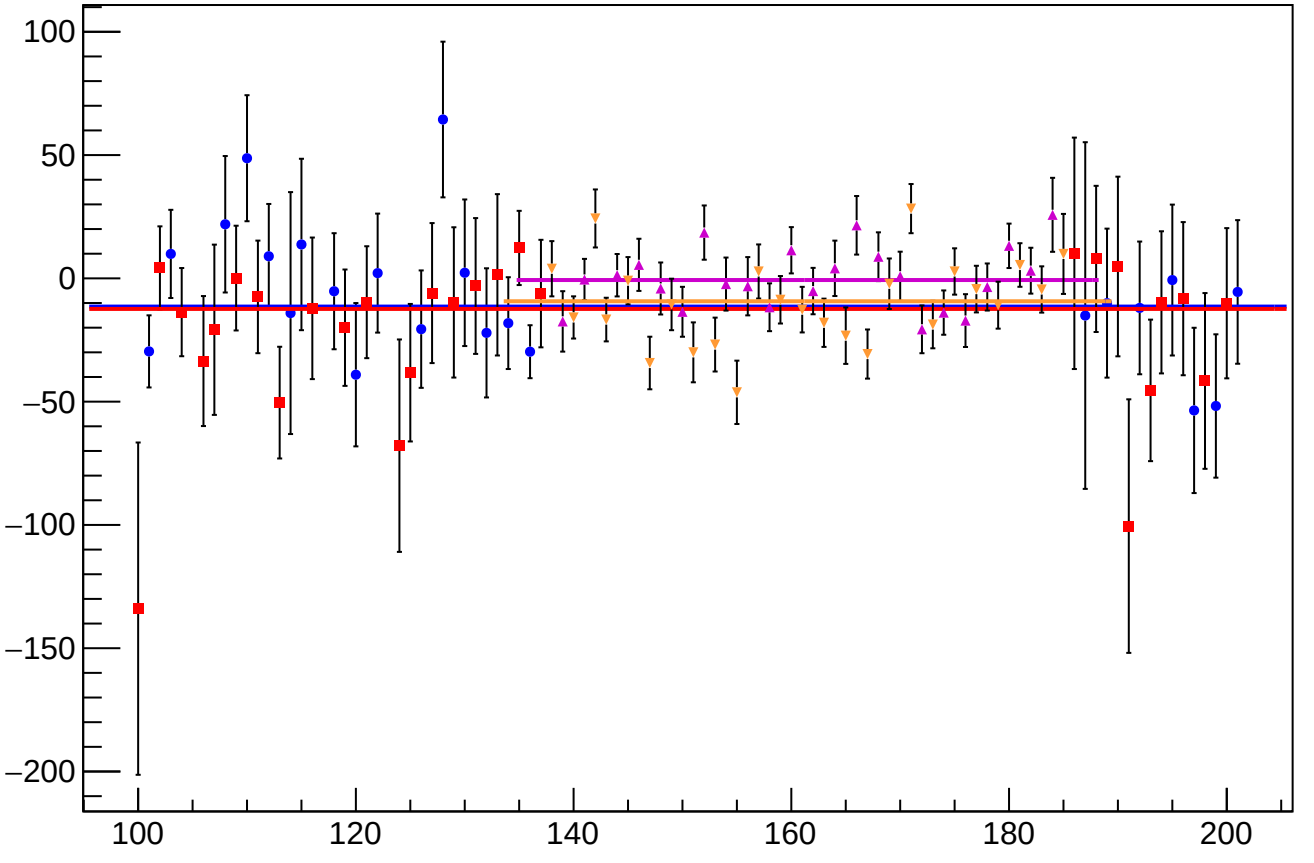
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4939827.1/47

All: 0.009+/-0.000 χ^2/NDF: 9971214.8/98

- sign 0.009+/-0.000 χ^2/NDF: 5005701.4/50

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

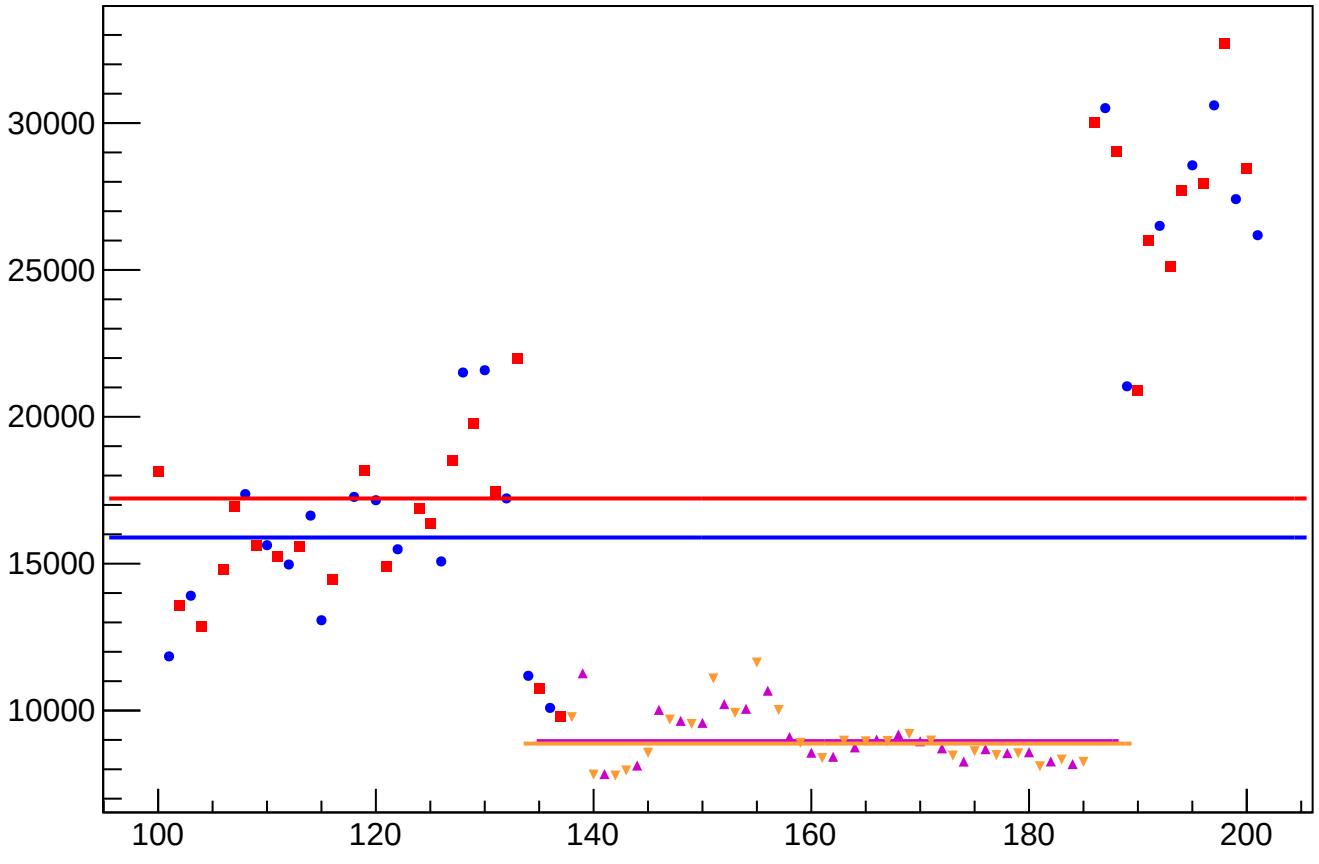
Right Out: -12.391+/-4.930 χ^2/NDF: 19.8/27

Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.614+/-1.872 χ^2/NDF: 87.0/47

All: -6.166+/-1.346 χ^2/NDF: 148.0/98

- sign -2.481+/-1.935 χ^2/NDF: 54.0/50



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: 17219.227+/-3.486 χ^2/NDF: 2821918.3/27

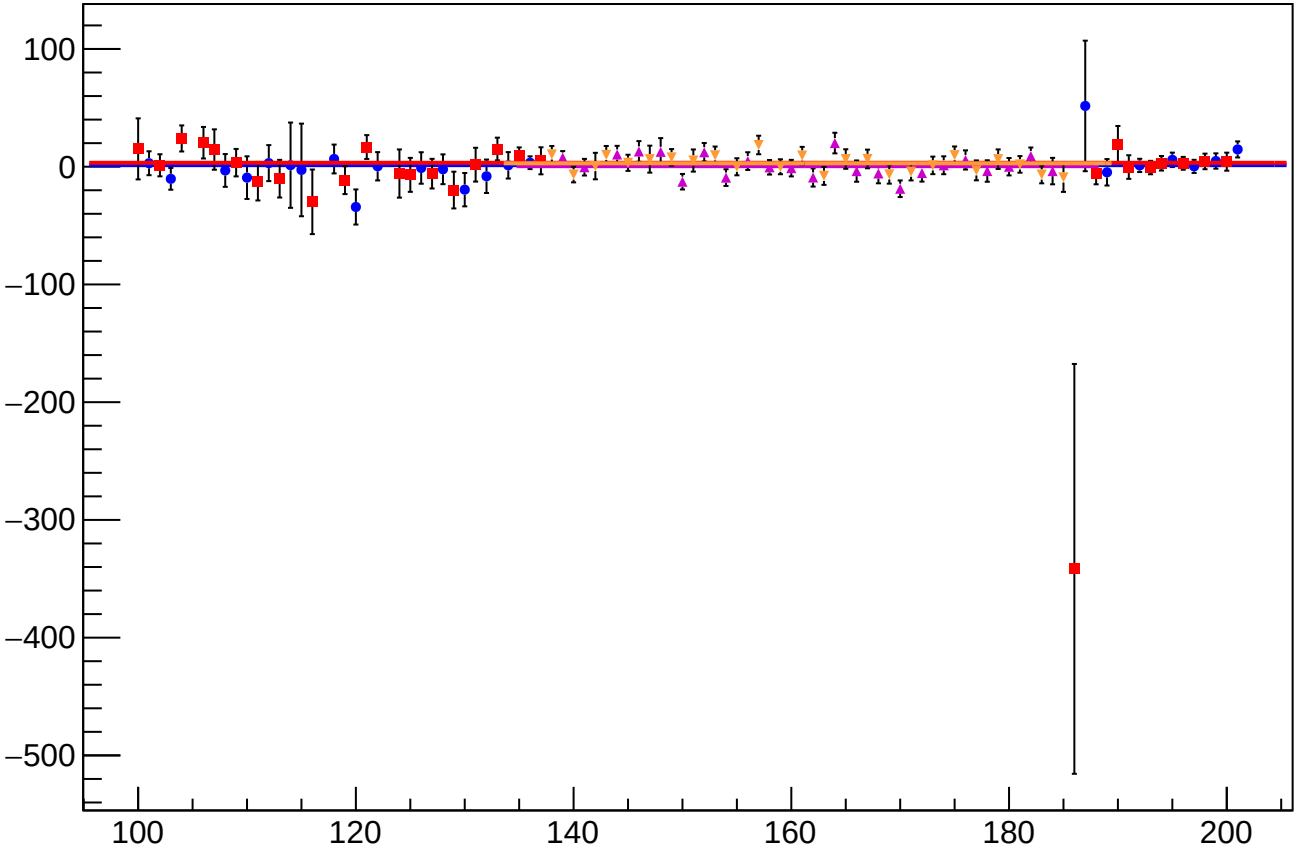
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9926.438+/-1.324 χ^2/NDF: 6738363.1/47

All: 10073.868+/-0.952 χ^2/NDF: 14636659.1

- sign 10231.380+/-1.368 χ^2/NDF: 7872647.6/50

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: 3.328+/-1.890 χ^2/NDF: 24.3/27

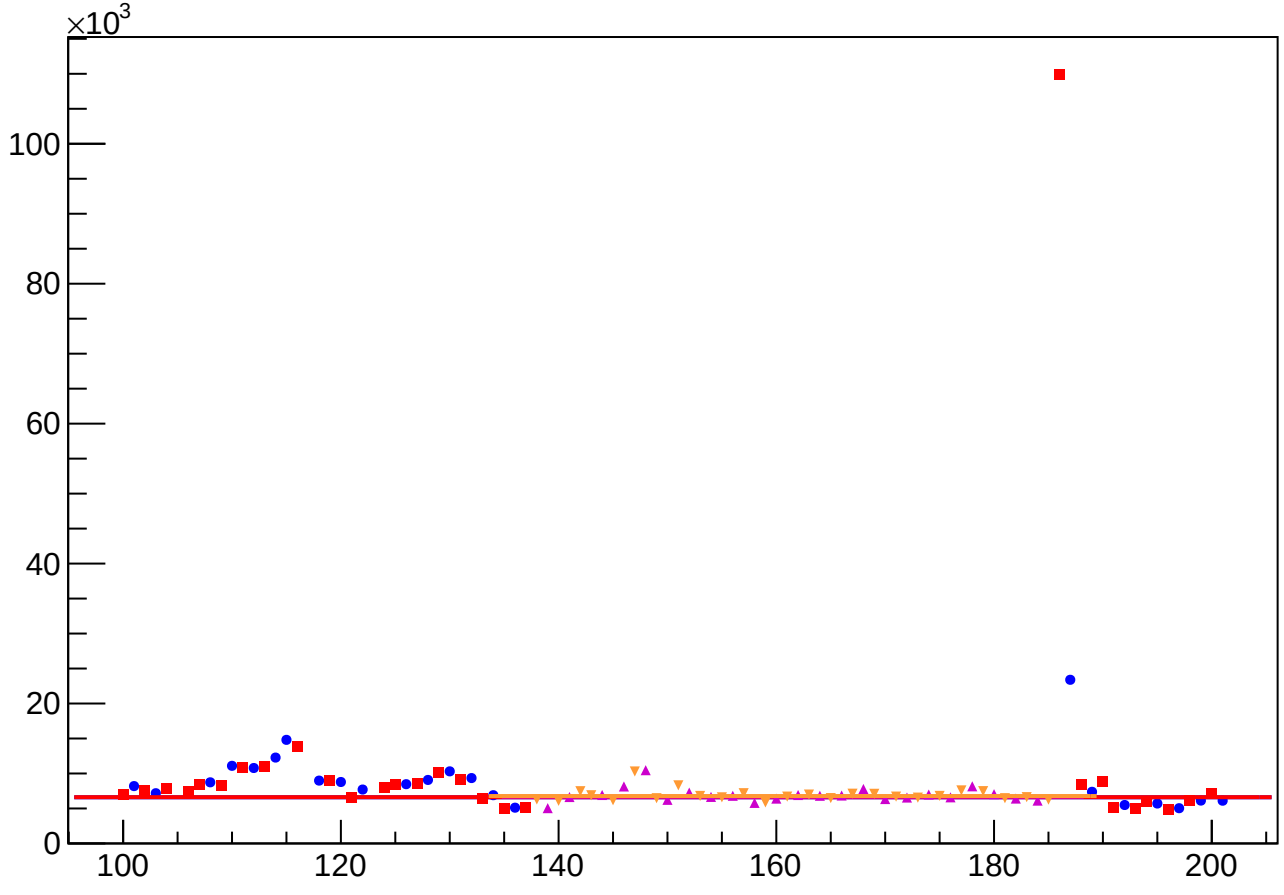
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.273+/-1.217 χ^2/NDF: 36.5/47

All: 1.954+/-0.859 χ^2/NDF: 95.1/98

- sign 1.639+/-1.213 χ^2/NDF: 58.5/50

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

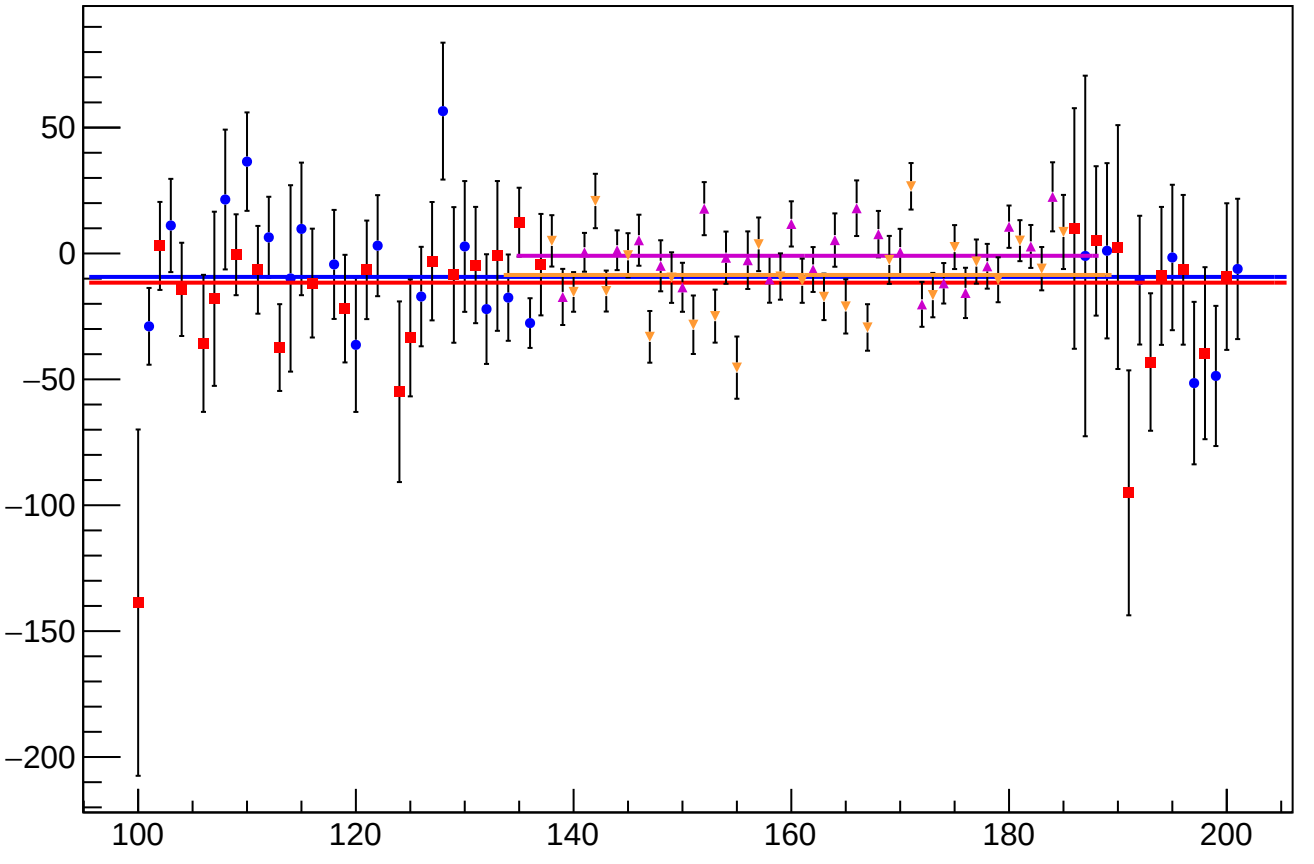
Right Out: 6612.583+/-1.337 χ^2/NDF: 2302700.0/27

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6707.230+/-0.861 χ^2/NDF: 2028434.5/47

All: 6682.453+/-0.608 χ^2/NDF: 4955013.0/98

- sign 6657.857+/-0.858 χ^2/NDF: 2924927.6/50



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: -11.597+/-4.430 χ^2/NDF: 19.6/27

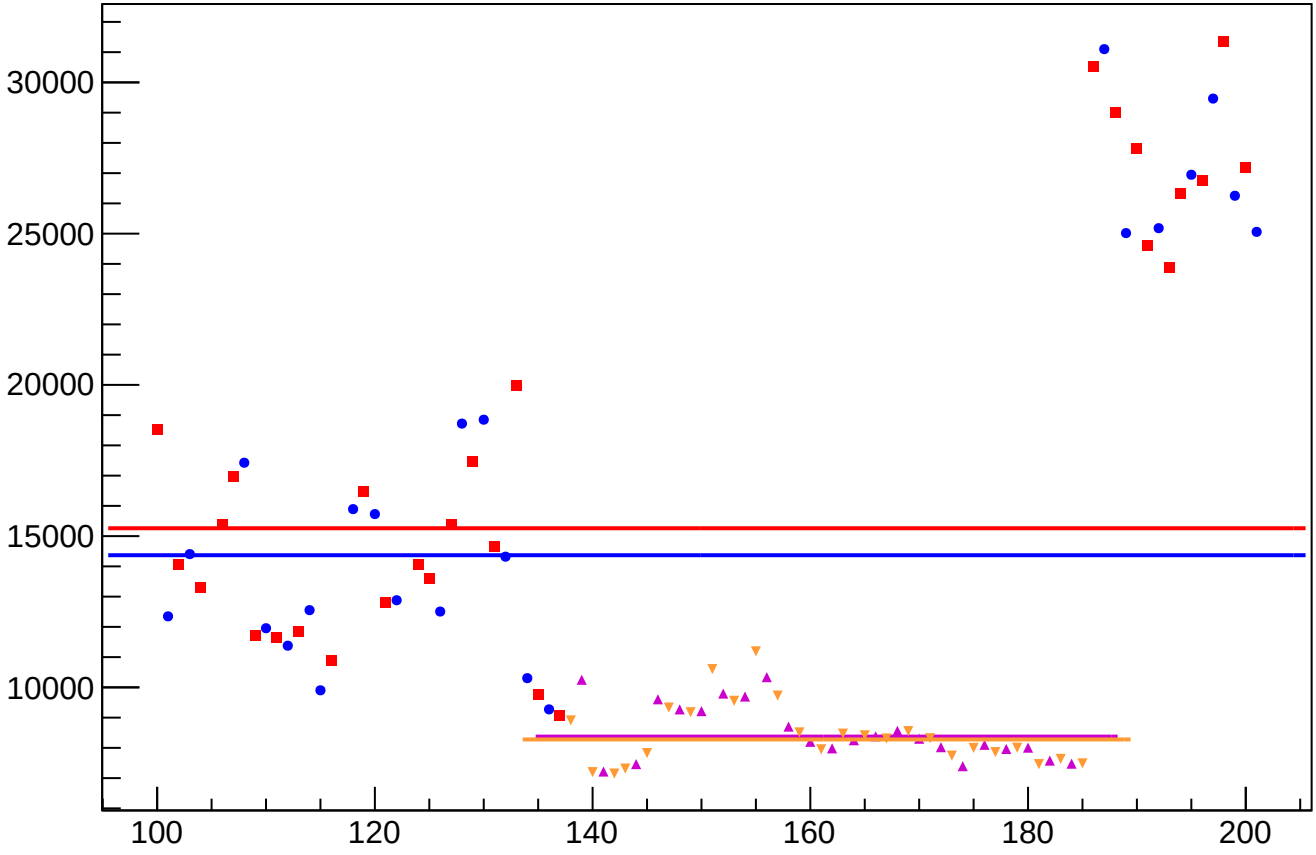
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.658+/-1.742 χ^2/NDF: 88.6/47

All: -5.766+/-1.251 χ^2/NDF: 147.8/98

- sign -2.681+/-1.799 χ^2/NDF: 53.5/50

diff_bpm4eX_rms vs Slug



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: 15260.582+/-3.132 χ^2/NDF: 3457503.8/27

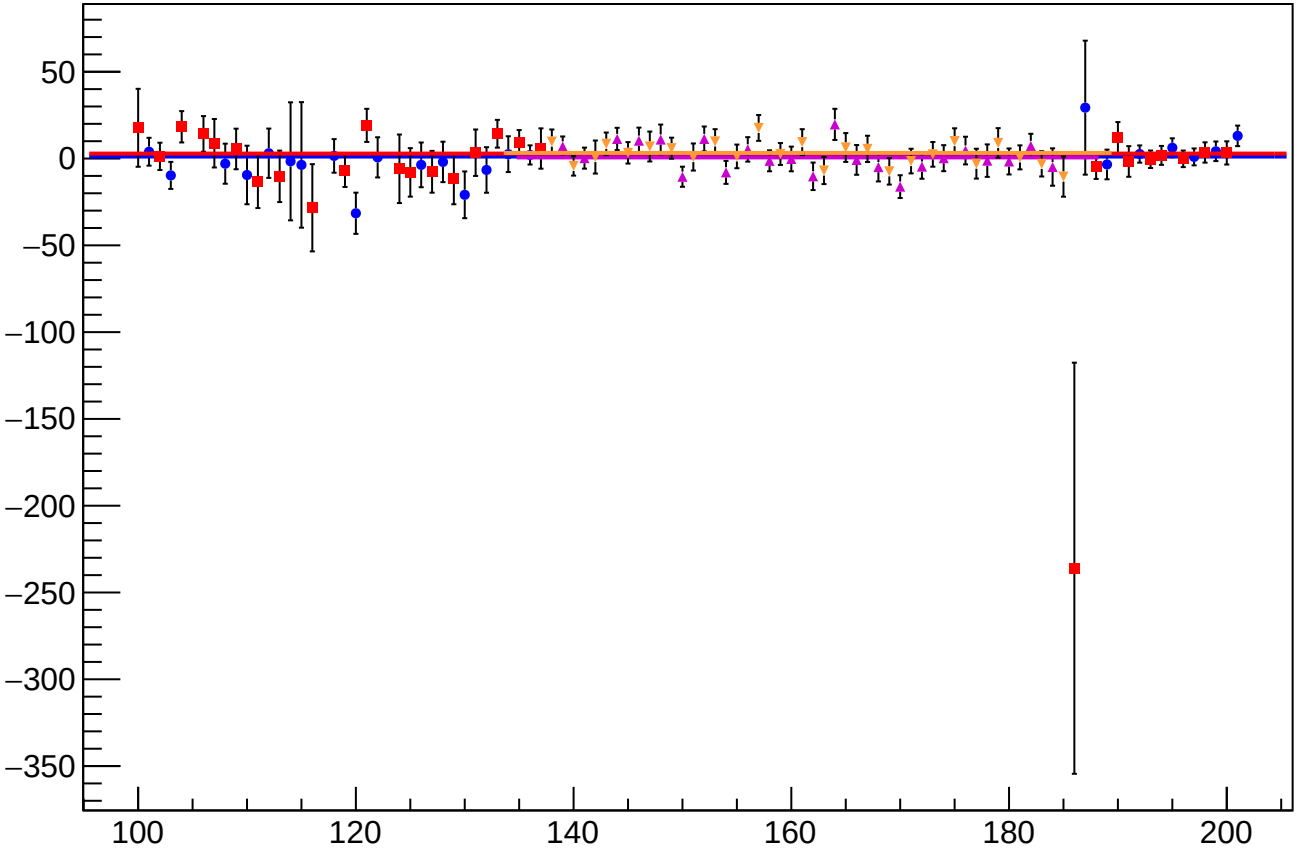
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9232.069+/-1.232 χ^2/NDF: 6838220.8/47

All: 9365.847+/-0.885 χ^2/NDF: 14750862.6/9

- sign 9508.594+/-1.272 χ^2/NDF: 7888254.1/50

diff_bpm4eY_mean vs Slug



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: 2.866+/-1.654 χ^2/NDF: 25.0/27

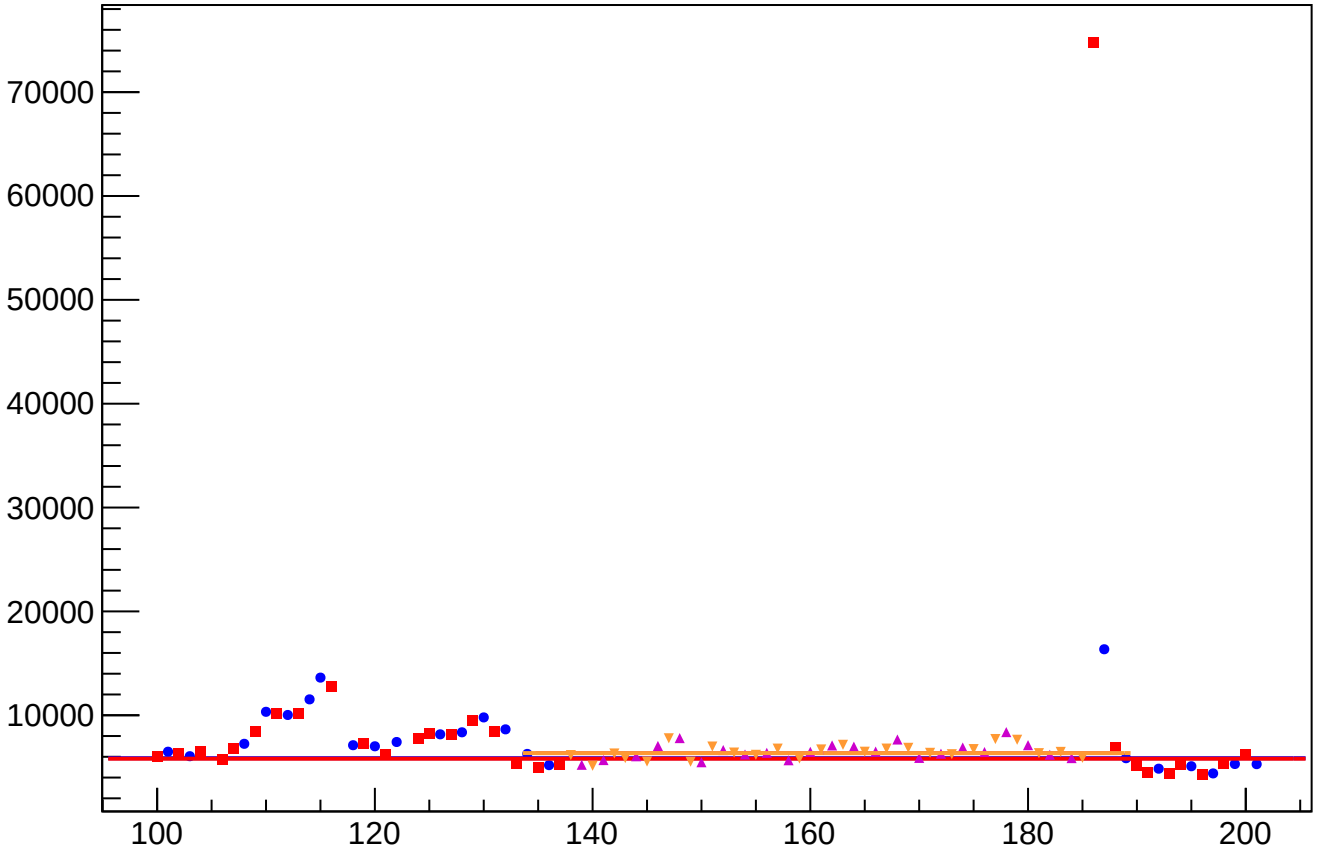
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 2.393+/-1.116 χ^2/NDF: 38.1/47

All: 2.018+/-0.787 χ^2/NDF: 95.0/98

- sign 1.647+/-1.111 χ^2/NDF: 56.7/50

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: 5816.820+/-1.170 χ^2/NDF: 2266449.8/27

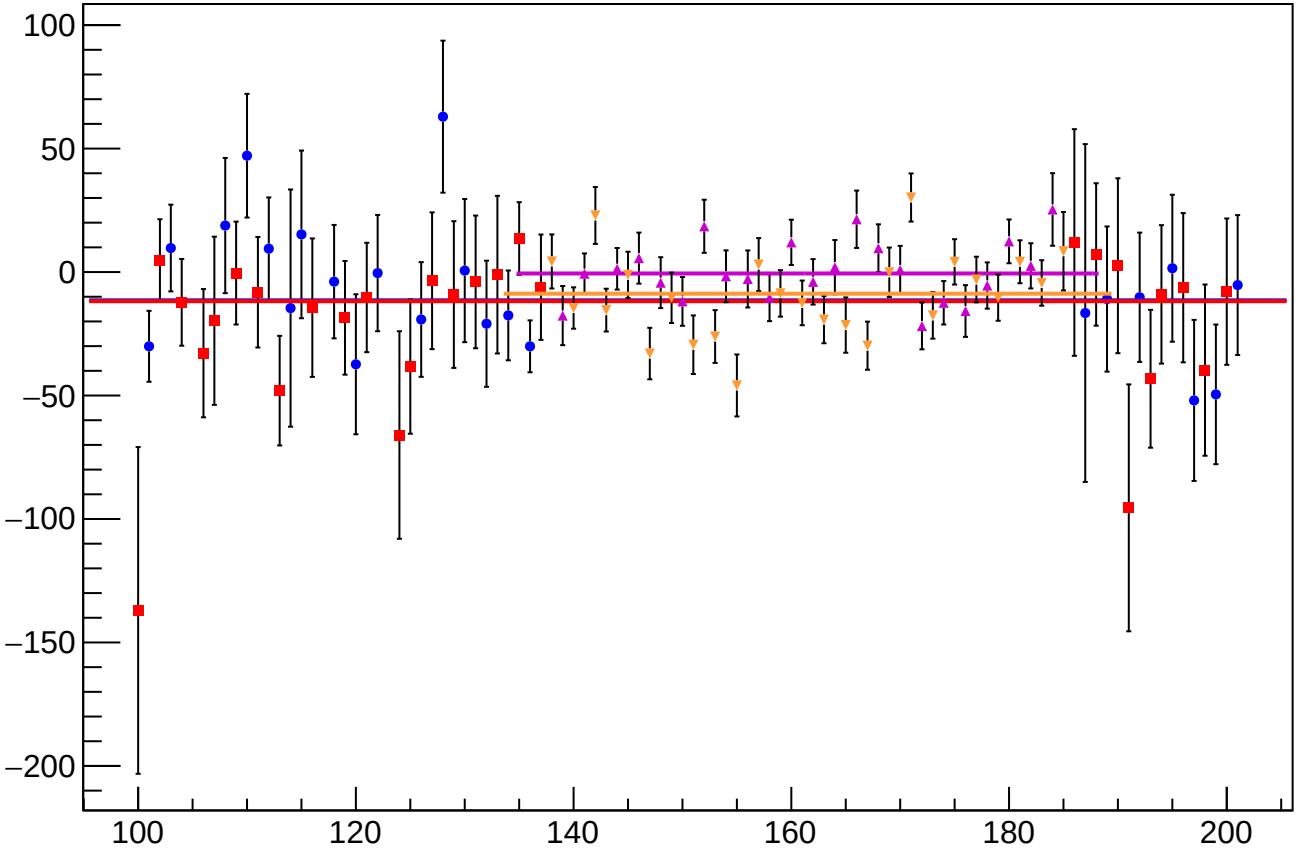
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6153.605+/-0.789 χ^2/NDF: 2036600.7/47

All: 6134.230+/-0.557 χ^2/NDF: 4896464.2/98

- sign 6115.021+/-0.786 χ^2/NDF: 2858662.3/50

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: -11.794+/-4.820 χ^2/NDF: 20.0/27

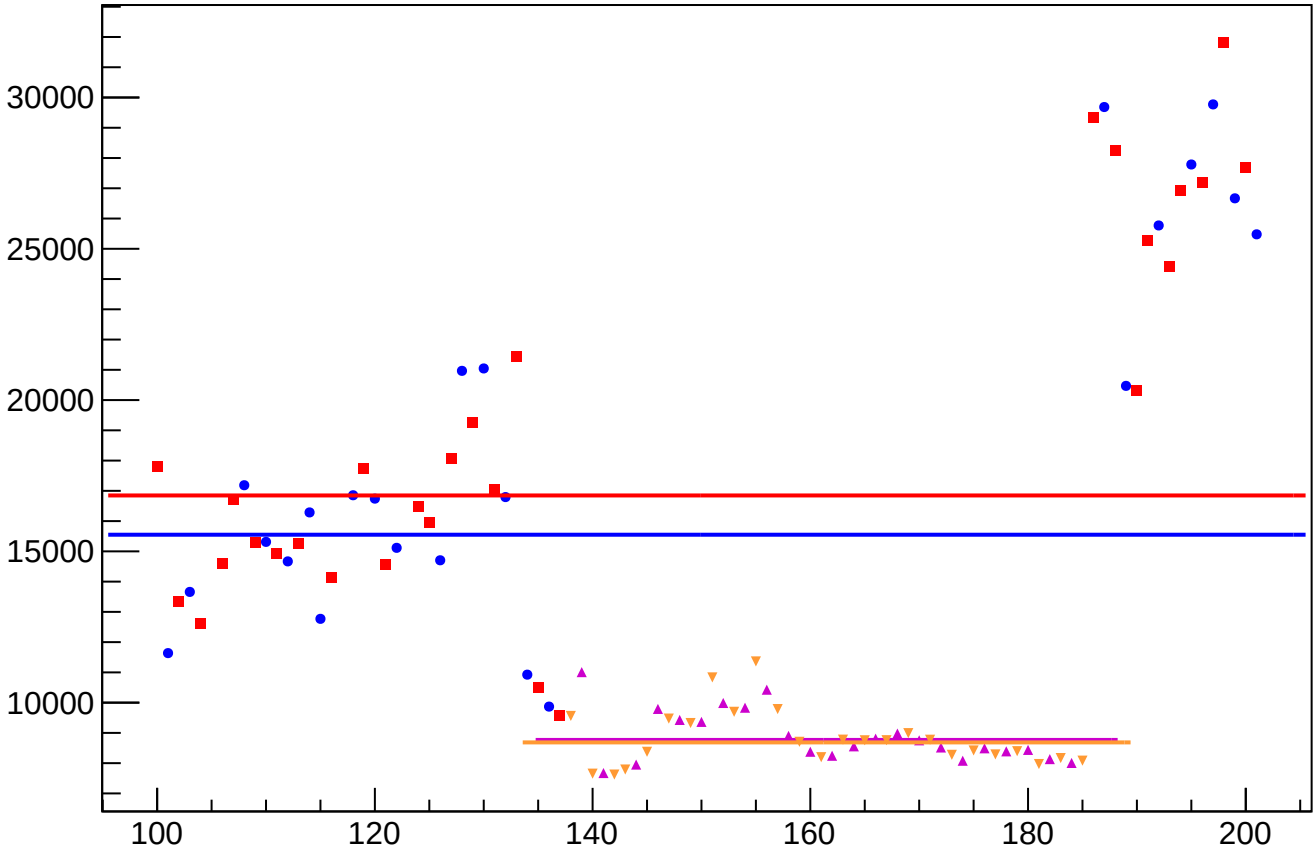
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -9.172+/-1.832 χ^2/NDF: 88.7/47

All: -5.854+/-1.317 χ^2/NDF: 149.7/98

- sign -2.310+/-1.894 χ^2/NDF: 54.1/50

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: 16847.725+/-3.408 χ^2/NDF: 2782607.4/27

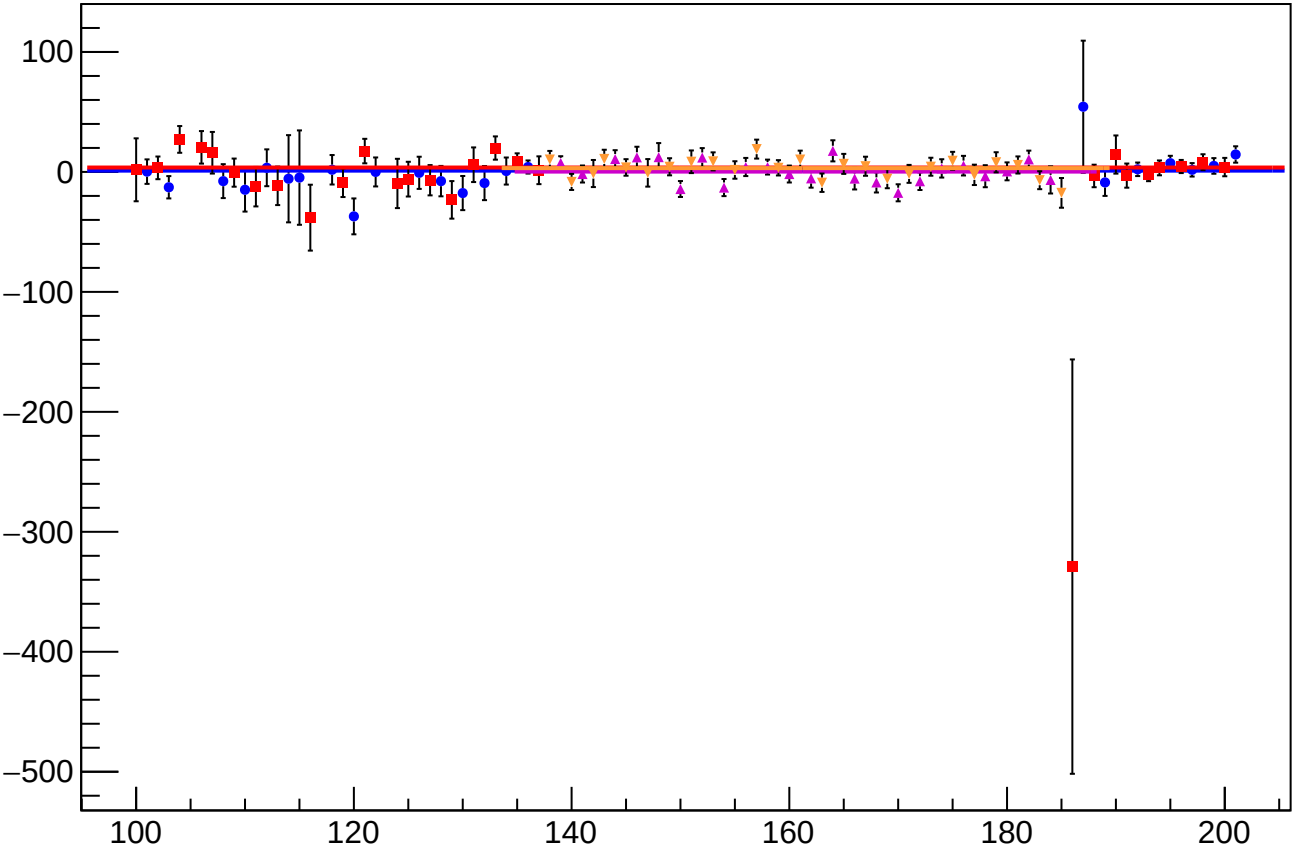
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9715.527+/-1.295 χ^2/NDF: 6702280.2/47

All: 9860.132+/-0.931 χ^2/NDF: 14558735.4/9

- sign 10014.636+/-1.339 χ^2/NDF: 7830678.2/50

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: 3.670+/-1.898 χ^2/NDF: 28.2/27

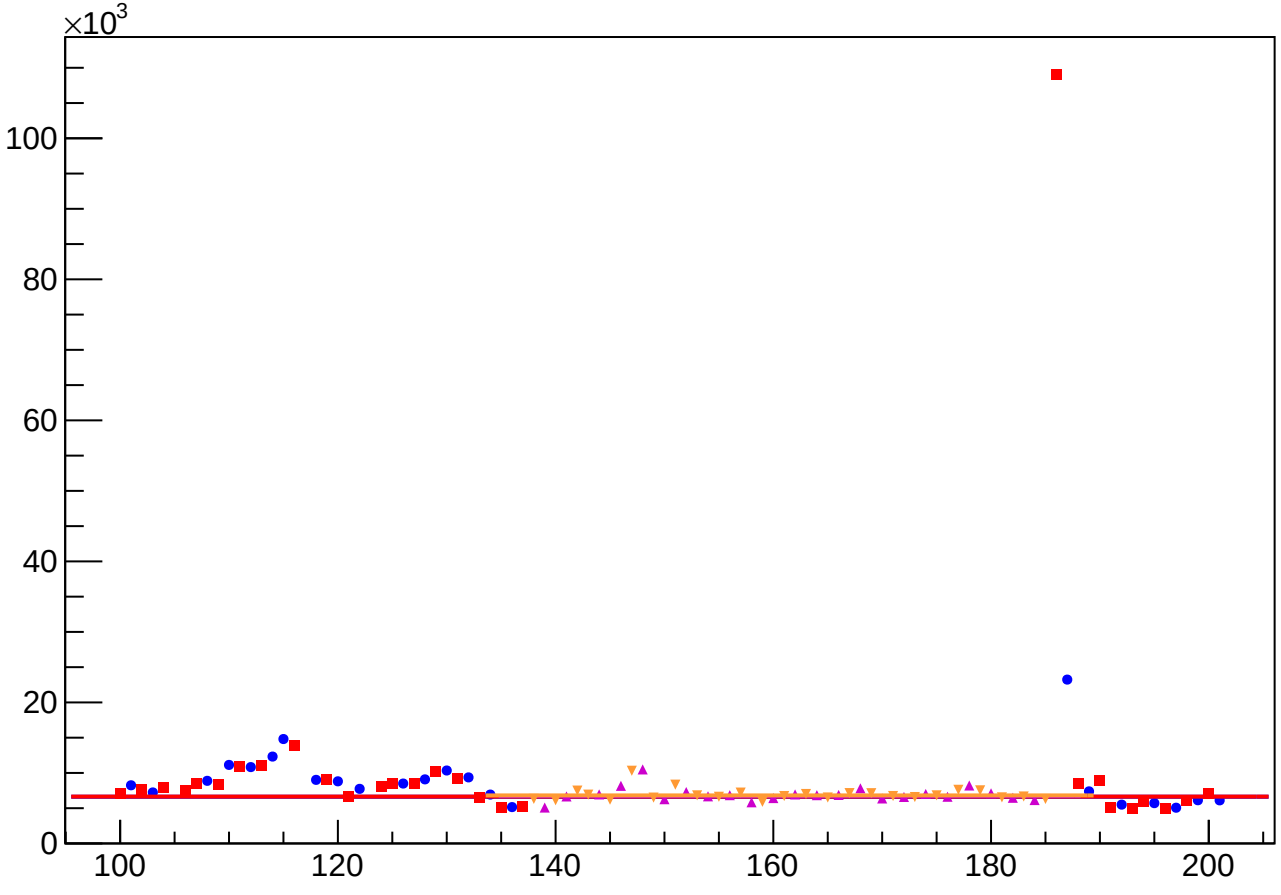
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.362+/-1.223 χ^2/NDF: 42.4/47

All: 2.016+/-0.863 χ^2/NDF: 106.9/98

- sign 1.671+/-1.219 χ^2/NDF: 64.3/50

diff_bpm4acY_rms vs Slug



Right In: 6622.819+/-1.390 χ^2/NDF: 1615899.9/22

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

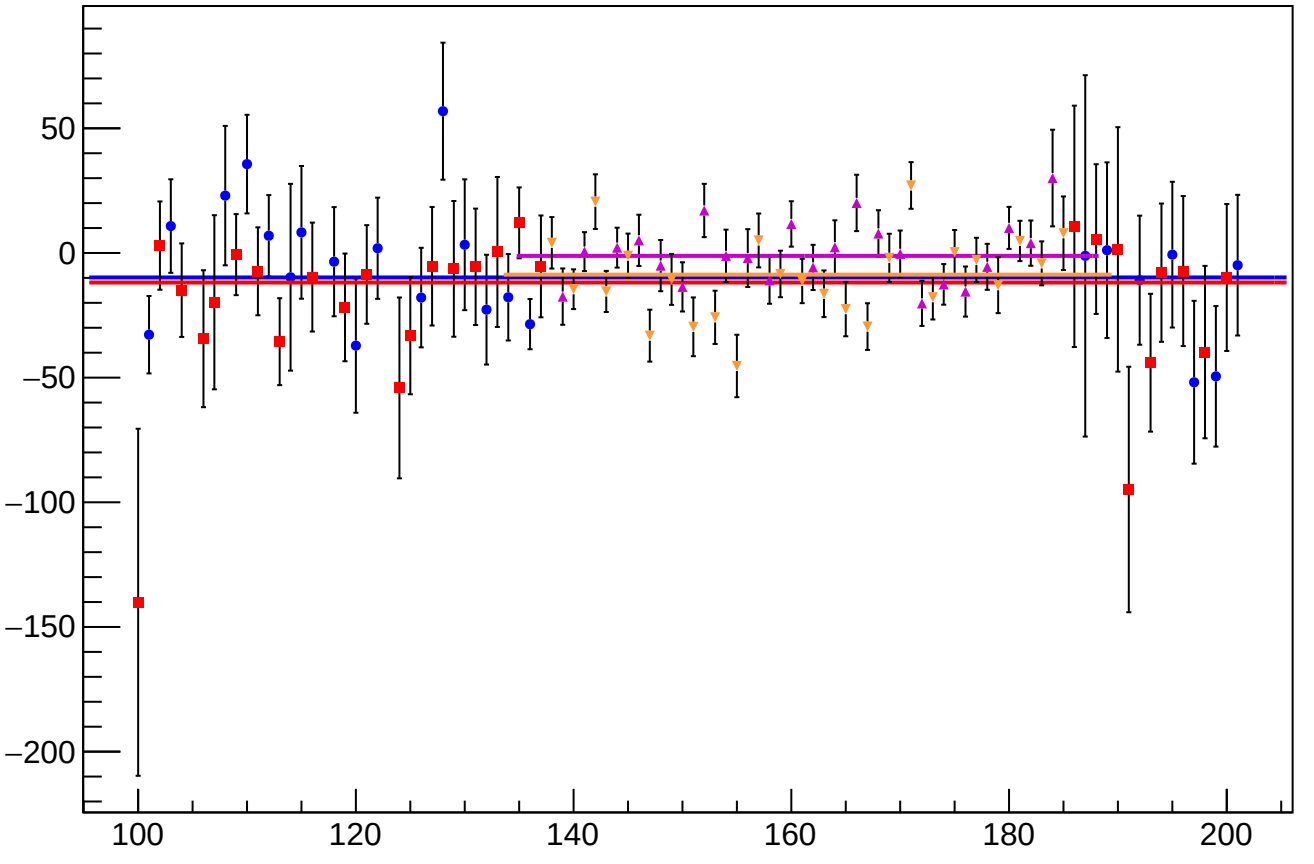
Right Out: 6643.356+/-1.342 χ^2/NDF: 2295051.0/27

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6739.410+/-0.865 χ^2/NDF: 2021987.8/47

All: 6716.137+/-0.610 χ^2/NDF: 4930849.1/98

- sign 6693.016+/-0.862 χ^2/NDF: 2907417.5/50



Right In: -9.826+/-4.460 χ^2/NDF: 27.2/22

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

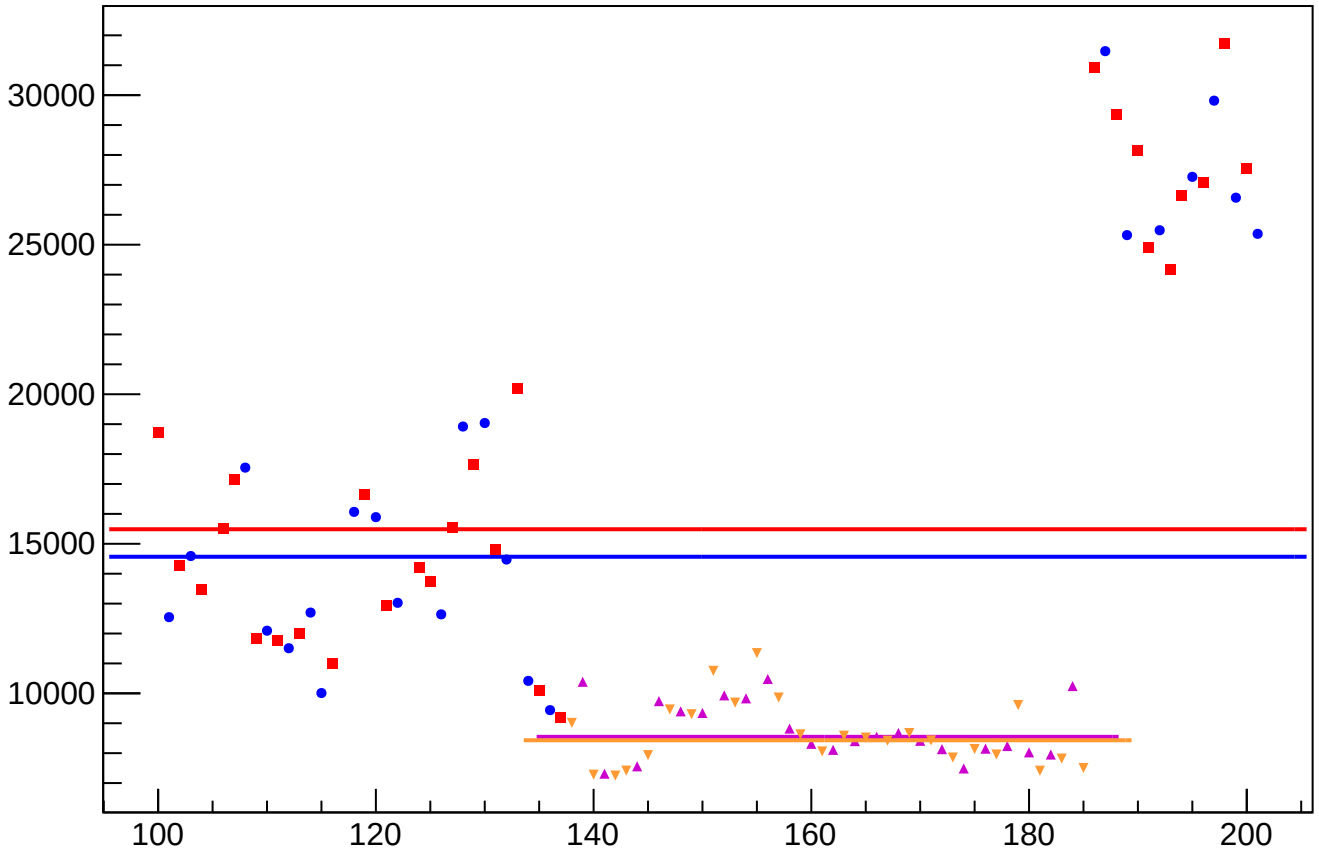
Right Out: -11.846+/-4.493 χ^2/NDF: 18.5/27

Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.872+/-1.776 χ^2/NDF: 88.7/47

All: -6.014+/-1.277 χ^2/NDF: 145.8/98

- sign -2.957+/-1.837 χ^2/NDF: 51.7/50



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: 15486.528+/-3.177 χ^2/NDF: 3419837.6/27

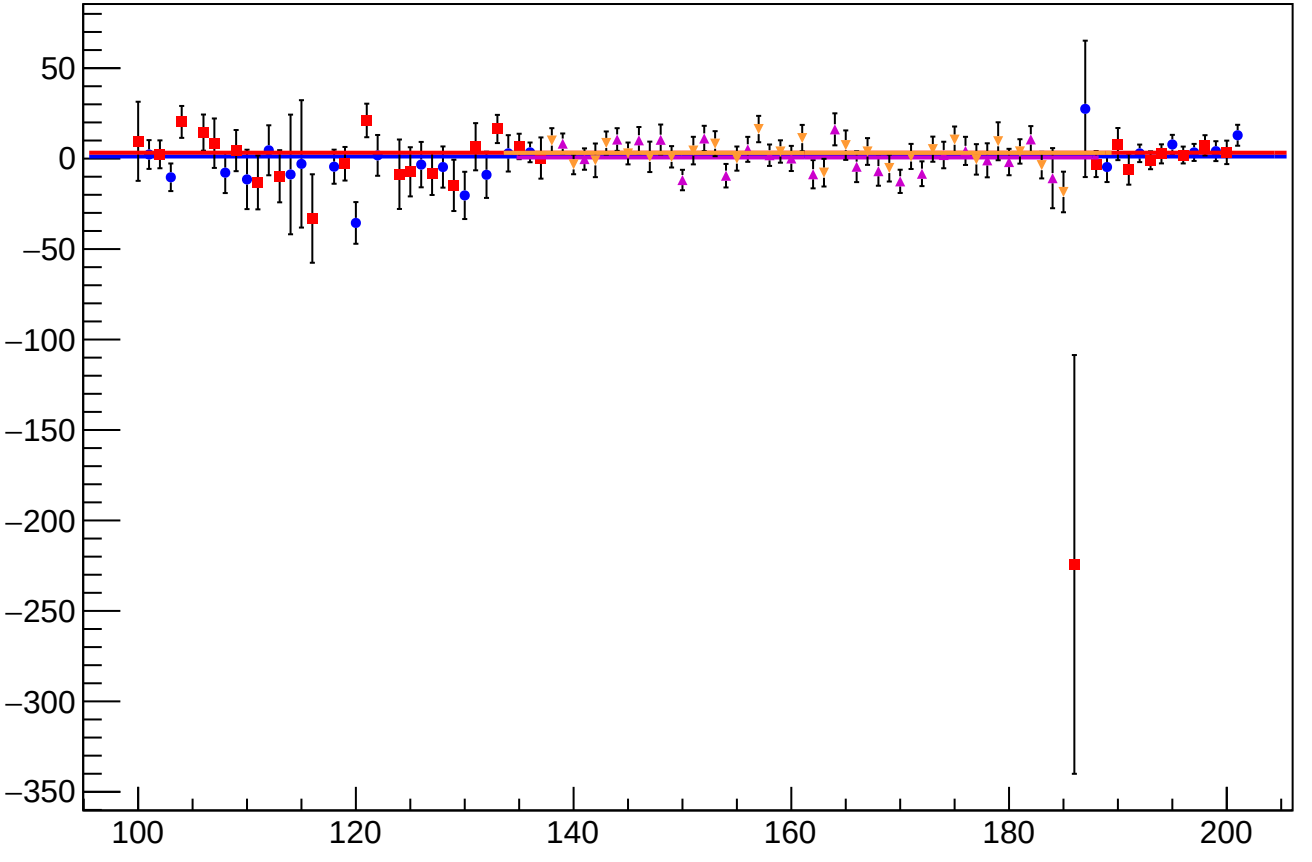
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9403.603+/-1.256 χ^2/NDF: 6798920.0/47

All: 9549.349+/-0.903 χ^2/NDF: 14611665.3/9

- sign 9705.203+/-1.299 χ^2/NDF: 7784874.1/50

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: 3.267+/-1.613 χ^2/NDF: 27.8/27

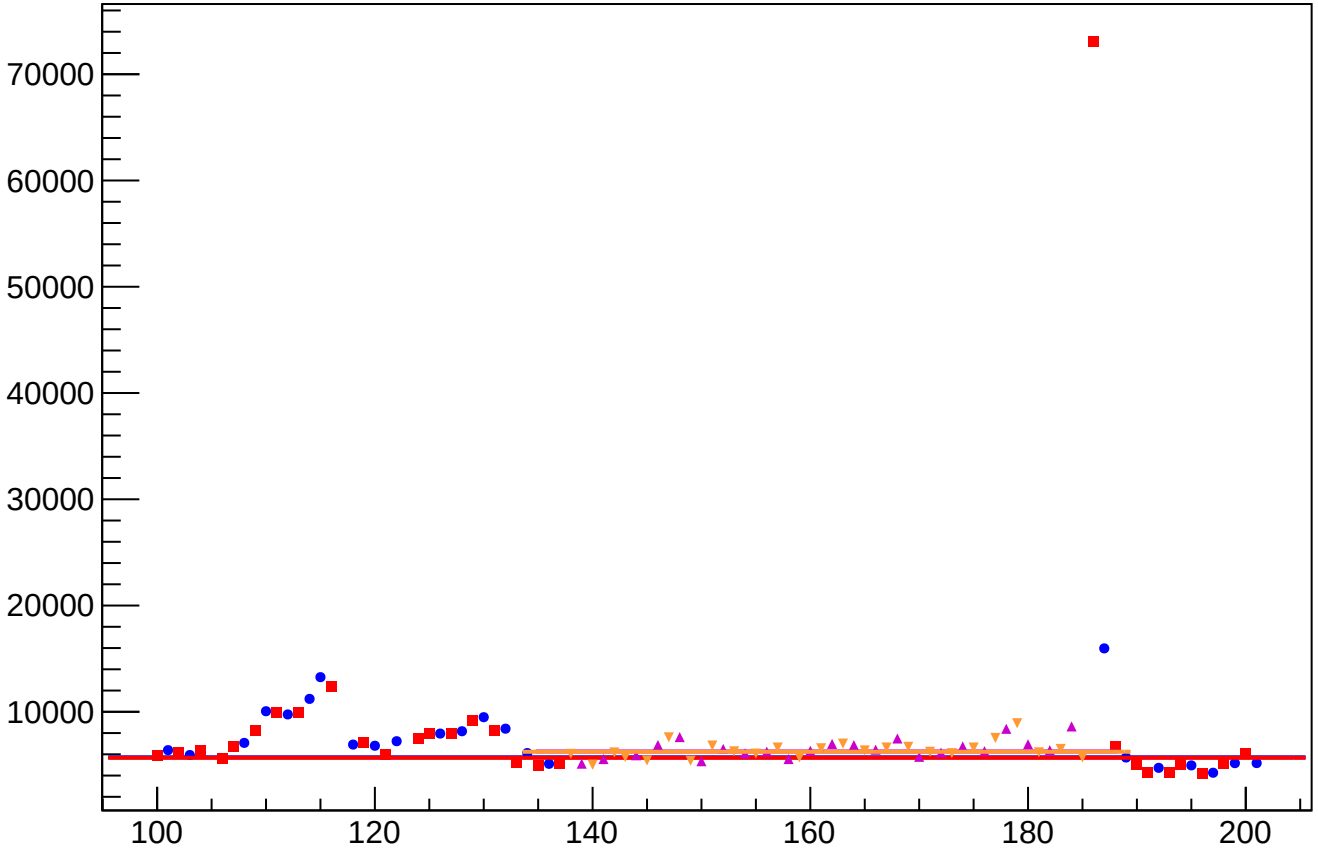
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 2.342+/-1.094 χ^2/NDF: 44.9/47

All: 2.089+/-0.773 χ^2/NDF: 106.1/98

- sign 1.838+/-1.091 χ^2/NDF: 61.0/50

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: 5670.818+/-1.141 χ^2/NDF: 2247572.2/27

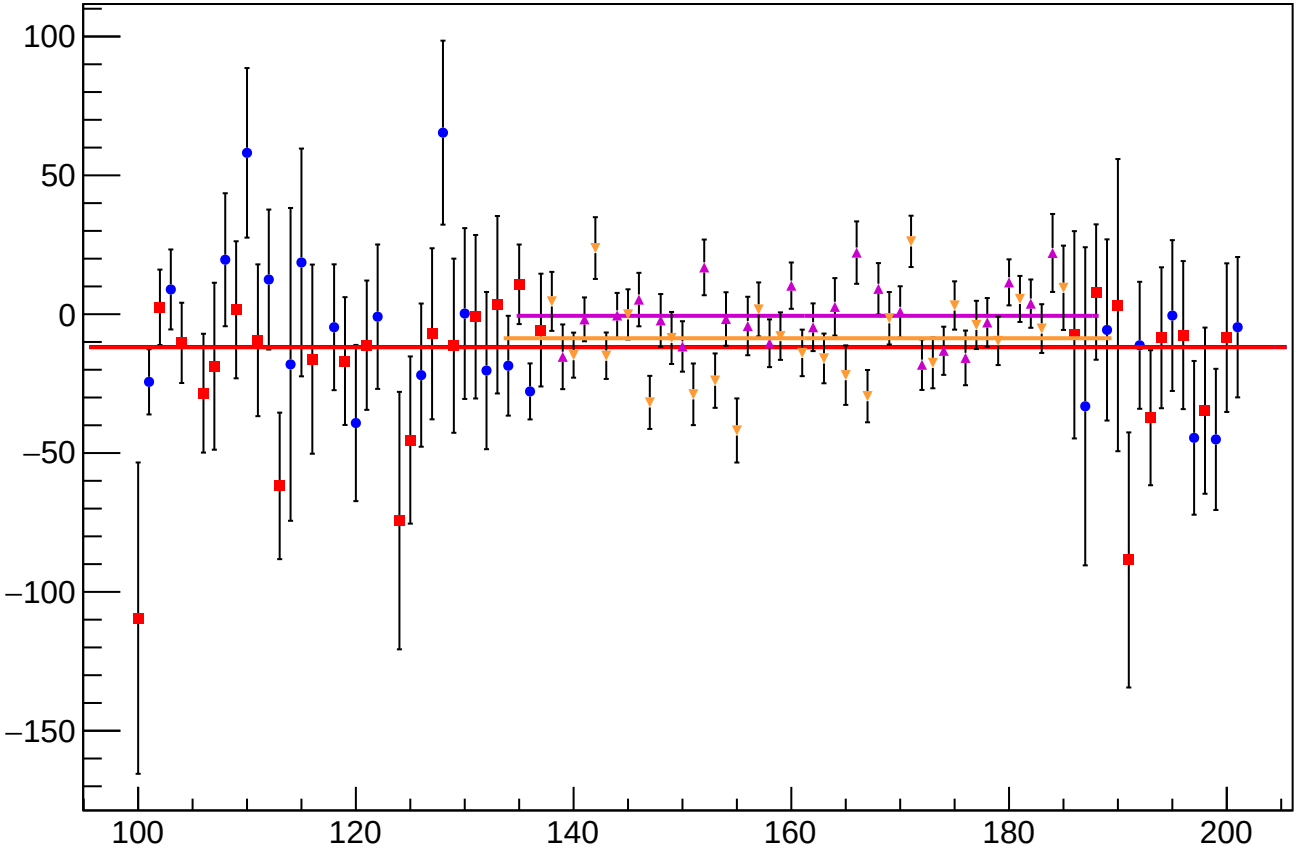
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6020.397+/-0.774 χ^2/NDF: 2147667.0/47

All: 6007.617+/-0.546 χ^2/NDF: 5068878.7/98

- sign 5994.908+/-0.772 χ^2/NDF: 2920667.6/50

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

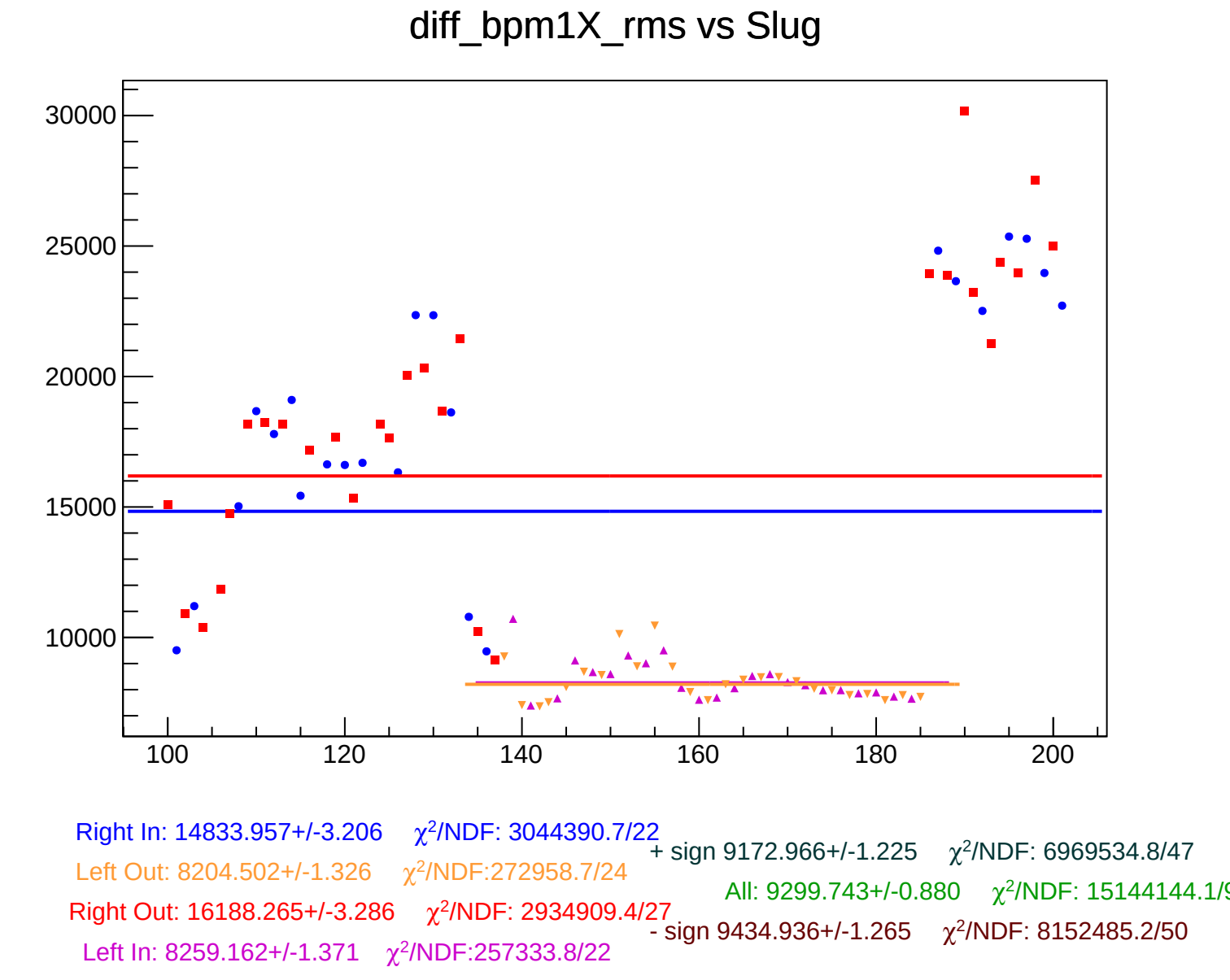
Right Out: -11.910+/-4.647 χ^2/NDF: 20.1/27

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

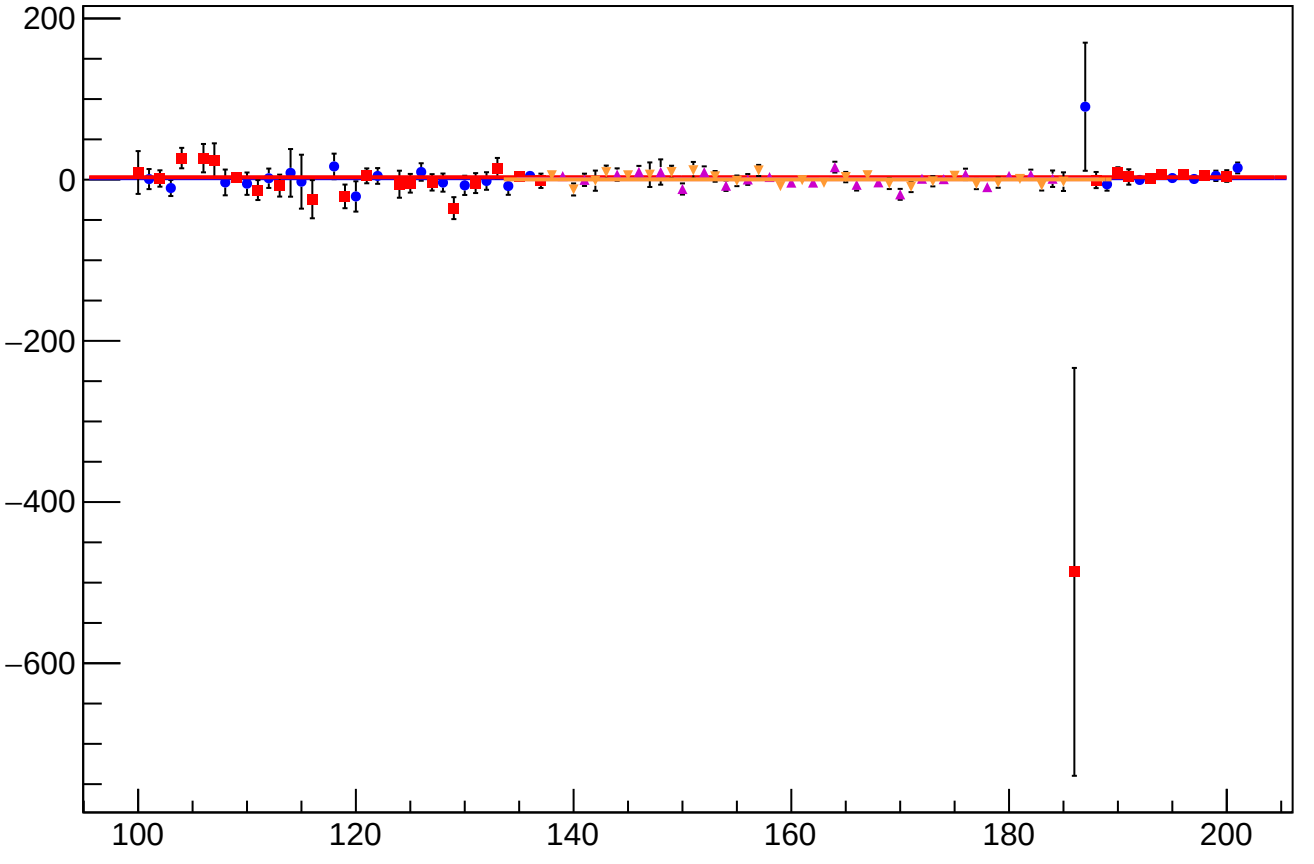
+ sign -9.111+/-1.733 χ^2/NDF: 88.4/47

All: -5.797+/-1.245 χ^2/NDF: 149.6/98

- sign -2.263+/-1.789 χ^2/NDF: 53.7/50


diff_bpm1X_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14833.957+/-3.206 χ²/NDF: 3044390.7/22
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 16188.265+/-3.286 χ²/NDF: 2934909.4/27
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
+ sign 9172.966+/-1.225 χ²/NDF: 6969534.8/47
All: 9299.743+/-0.880 χ²/NDF: 15144144.1/9
- sign 9434.936+/-1.265 χ²/NDF: 8152485.2/50

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: 3.015+/-1.634 χ^2/NDF: 28.6/27

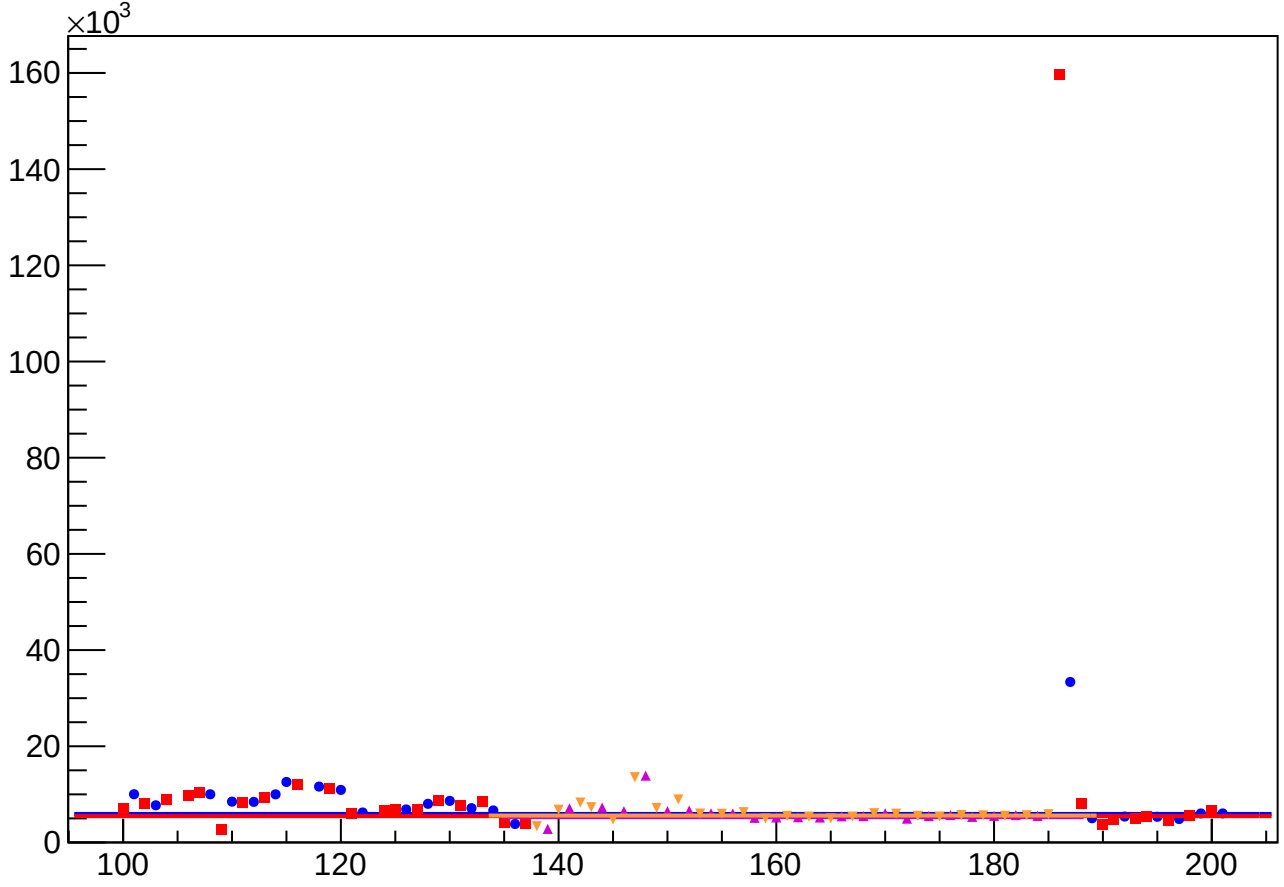
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.878+/-1.063 χ^2/NDF: 35.1/47

All: 1.254+/-0.733 χ^2/NDF: 95.1/98

- sign 1.595+/-1.013 χ^2/NDF: 59.8/50

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: 5470.625+/-1.156 χ^2/NDF: 3734972.7/27

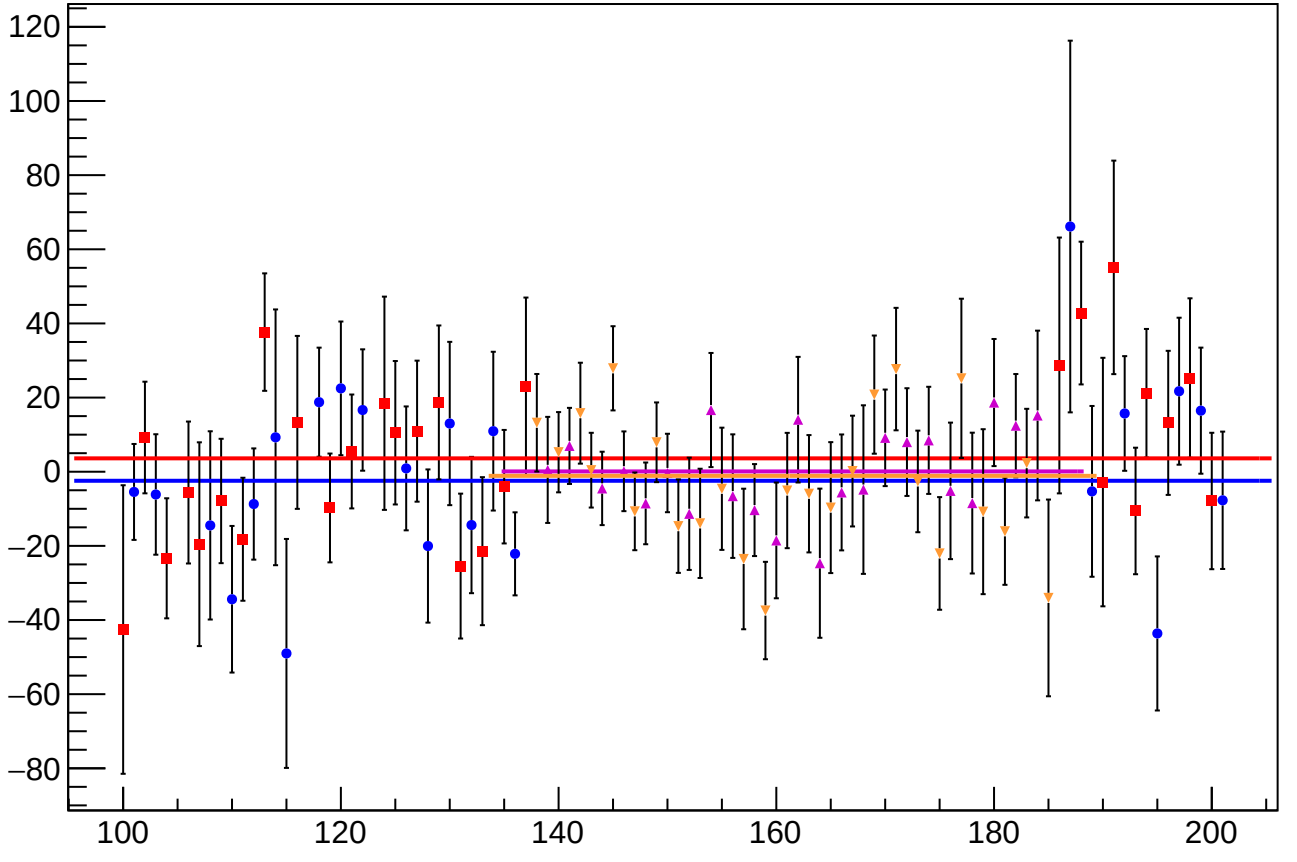
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5712.201+/-0.752 χ^2/NDF: 4038921.2/47

All: 5518.498+/-0.519 χ^2/NDF: 10346050.4/9

- sign 5342.647+/-0.716 χ^2/NDF: 6180500.0/50

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: 3.607+/-3.649 χ^2/NDF: 30.1/27

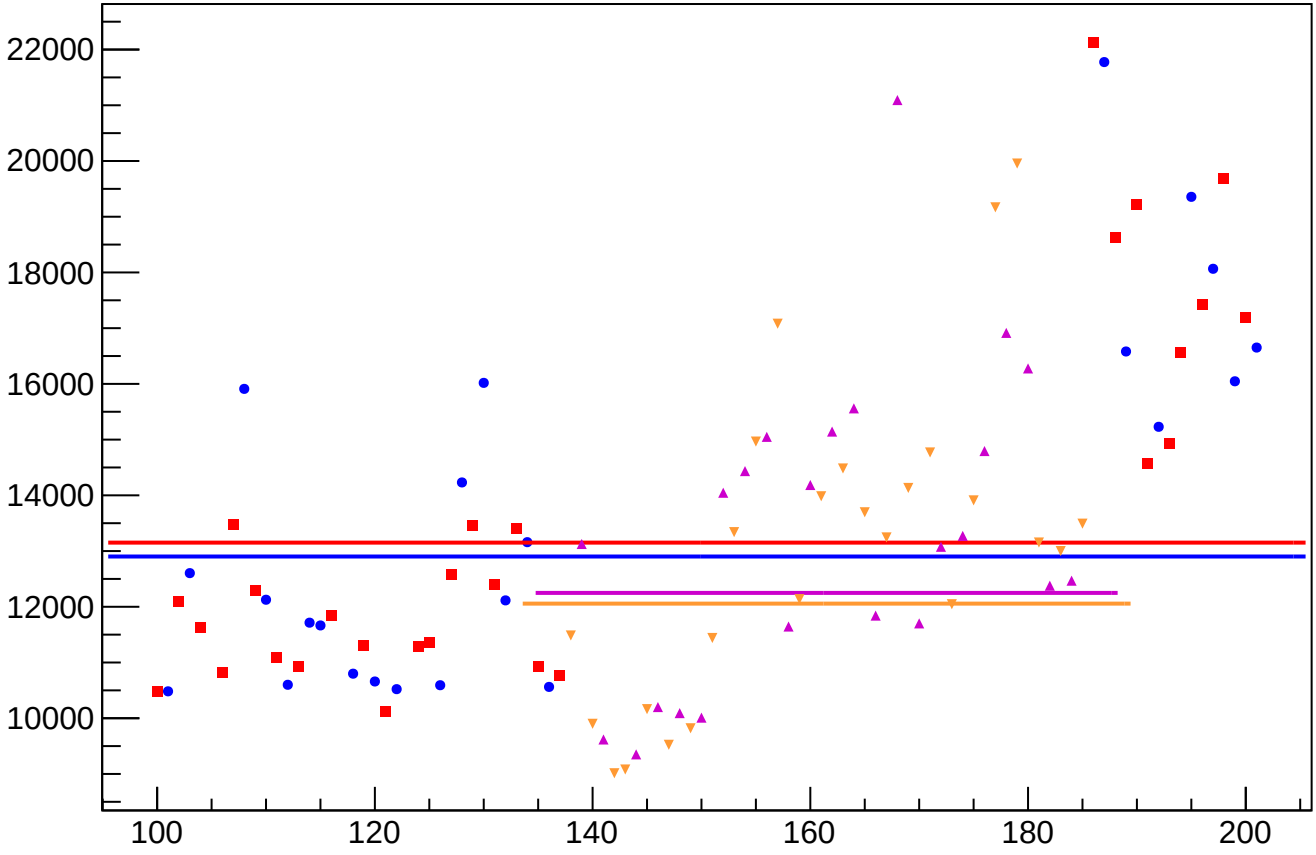
Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

+ sign -1.587+/-2.254 χ^2/NDF: 59.9/47

All: -0.081+/-1.604 χ^2/NDF: 102.9/98

- sign 1.463+/-2.283 χ^2/NDF: 42.2/50

diff_bpm11X_rms vs Slug



Right In: 12902.203+/-2.664 χ^2/NDF: 1084387.7/22

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13151.477+/-2.580 χ^2/NDF: 1197413.2/27

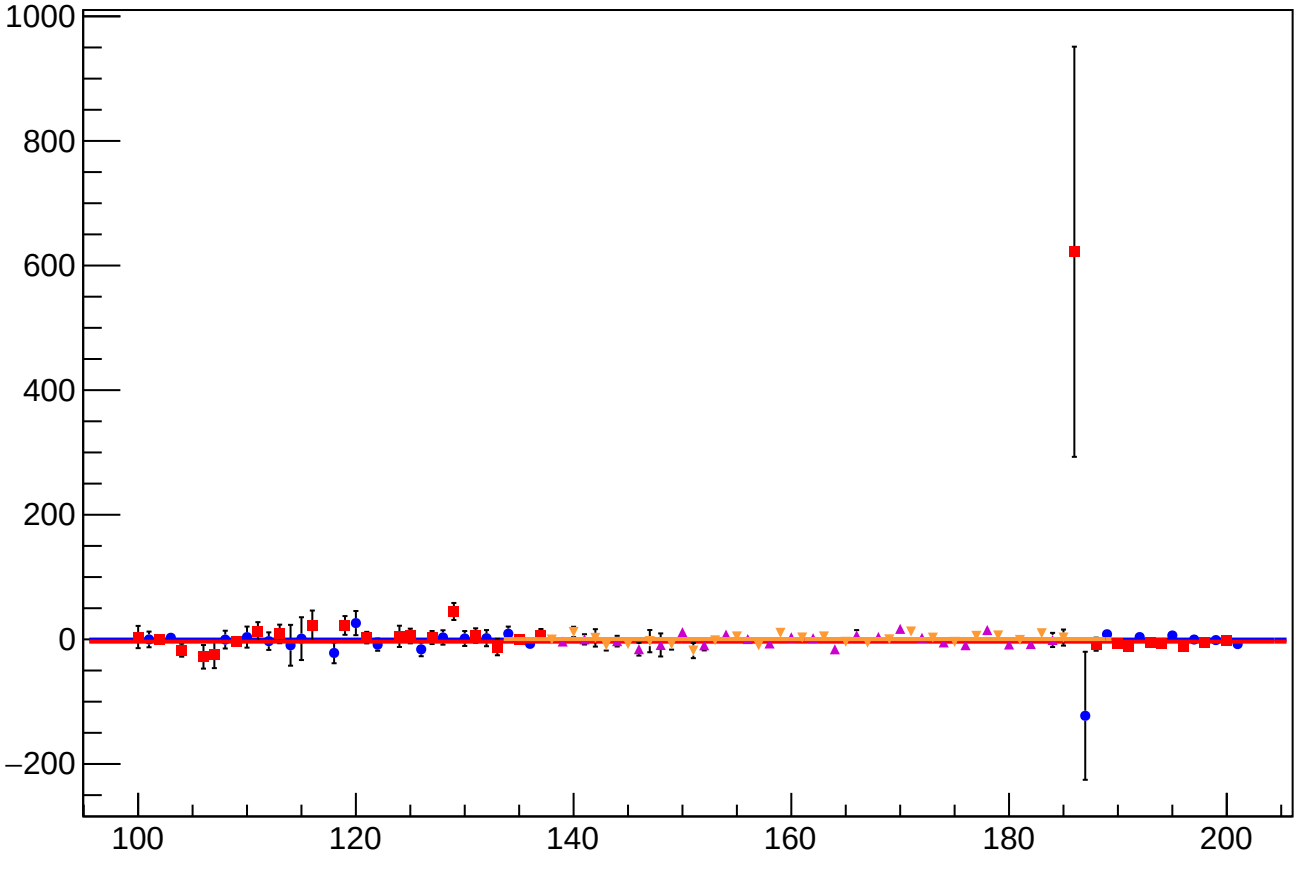
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

+ sign 12359.299+/-1.594 χ^2/NDF: 2710784.7/47

All: 12479.244+/-1.134 χ^2/NDF: 5410128.5/9

- sign 12602.271+/-1.614 χ^2/NDF: 2687873.1/50

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: -3.684+/-1.499 χ^2/NDF: 36.4/27

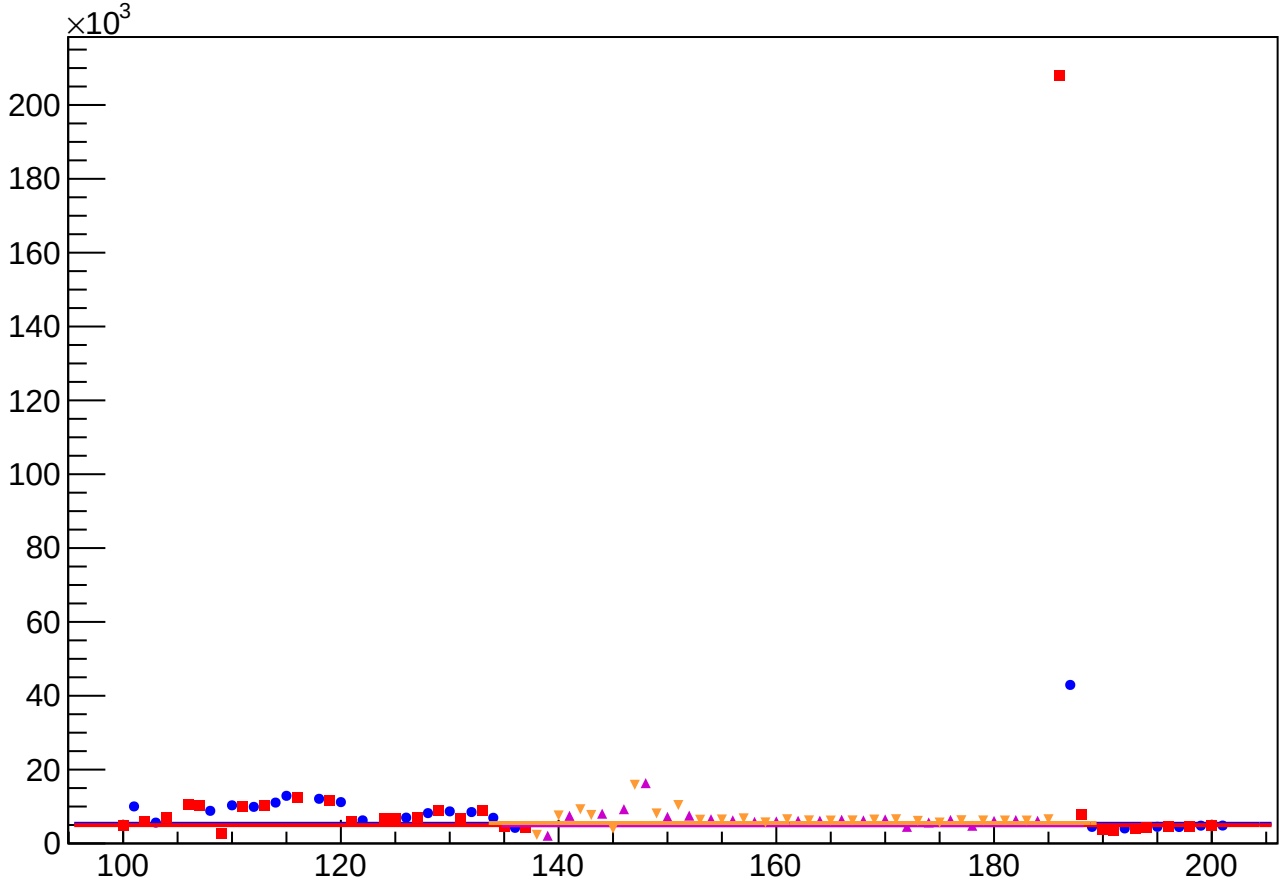
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.180+/-1.048 χ^2/NDF: 38.7/47

All: -1.045+/-0.716 χ^2/NDF: 111.8/98

- sign -2.115+/-0.980 χ^2/NDF: 70.5/50

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

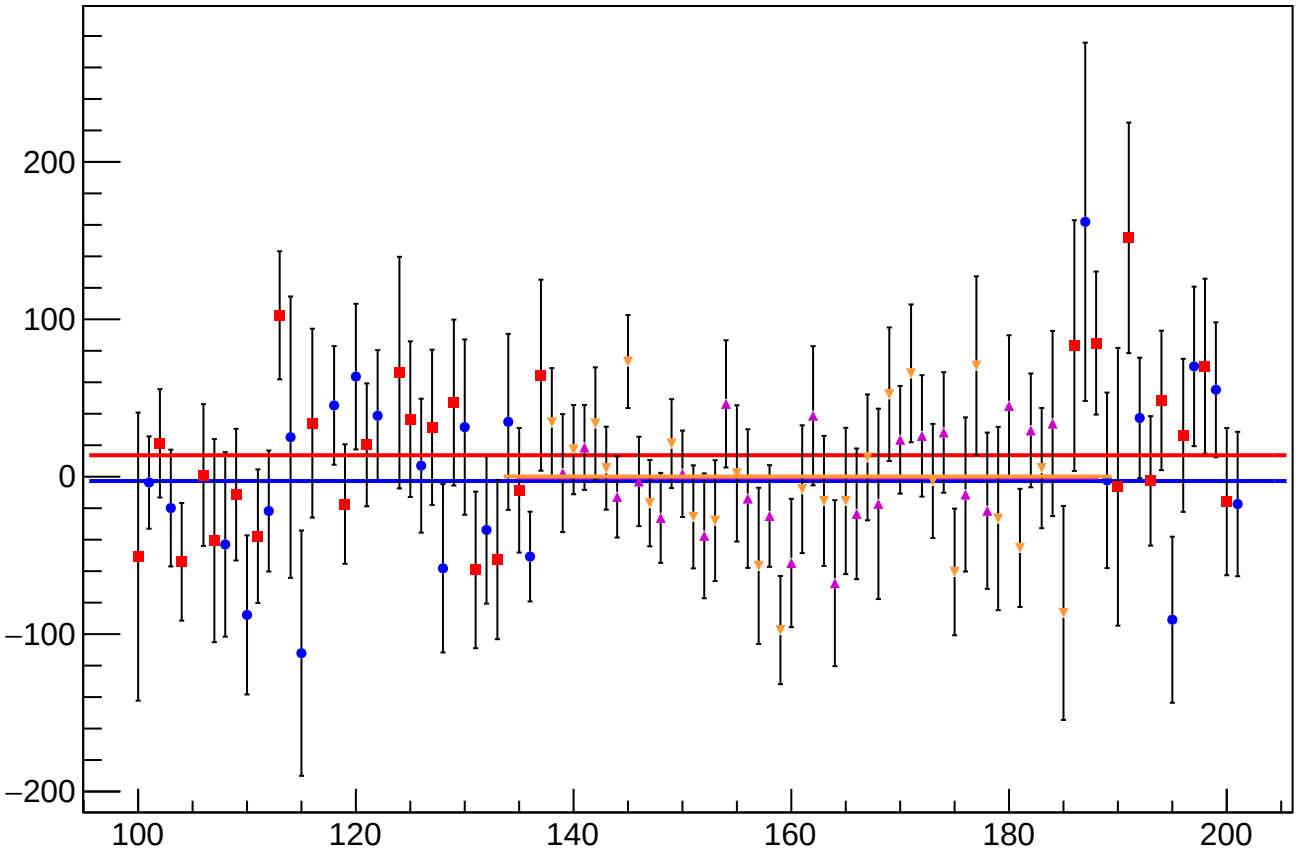
Right Out: 4962.853+/-1.060 χ^2/NDF: 3687587.6/27

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5443.725+/-0.741 χ^2/NDF: 7119702.6/47

All: 5180.630+/-0.506 χ^2/NDF: 16979507.9/9

- sign 4950.900+/-0.693 χ^2/NDF: 9623917.6/50



Right In: -2.743+/-9.380 χ^2/NDF: 25.7/22

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

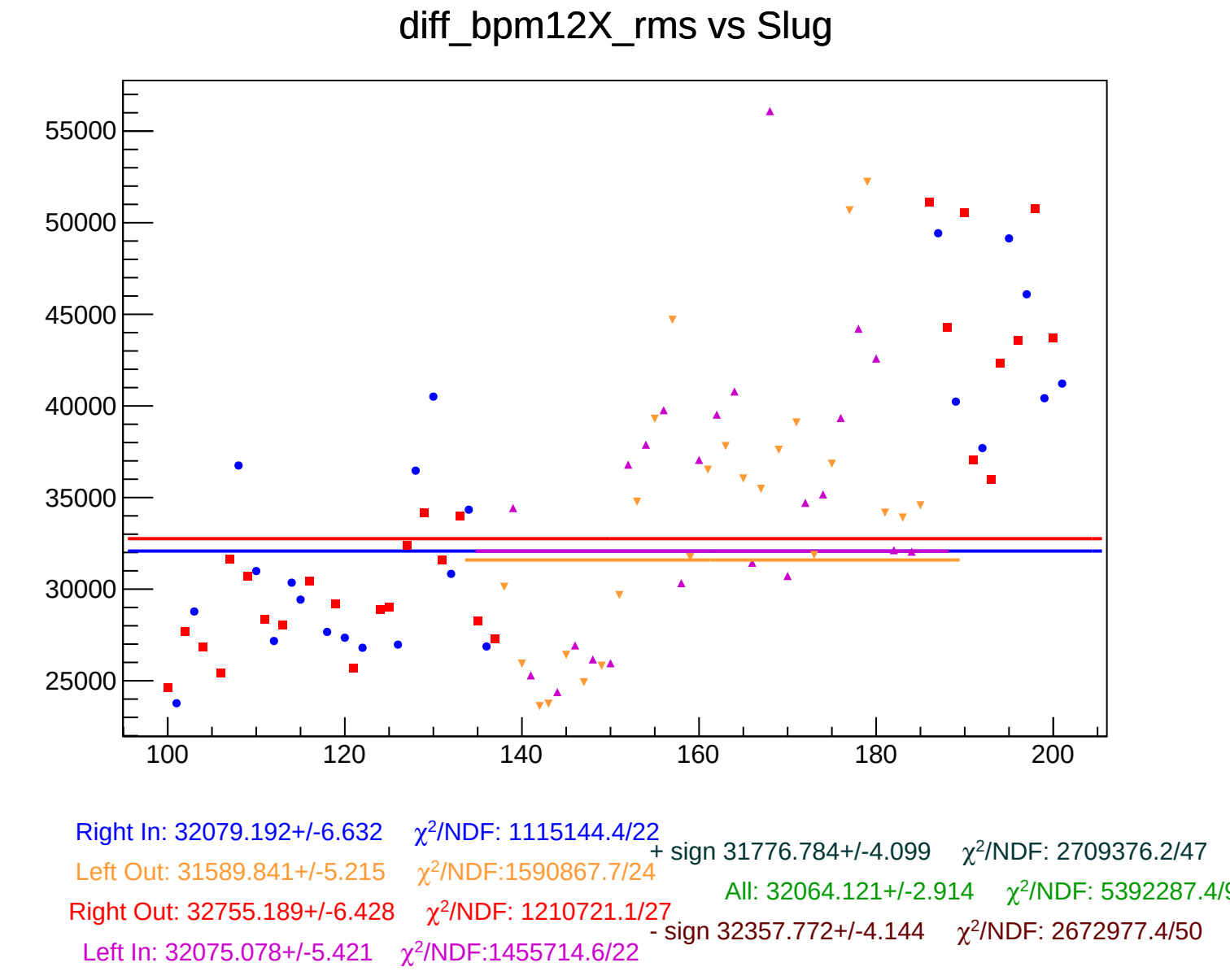
Right Out: 13.652+/-9.090 χ^2/NDF: 27.3/27

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

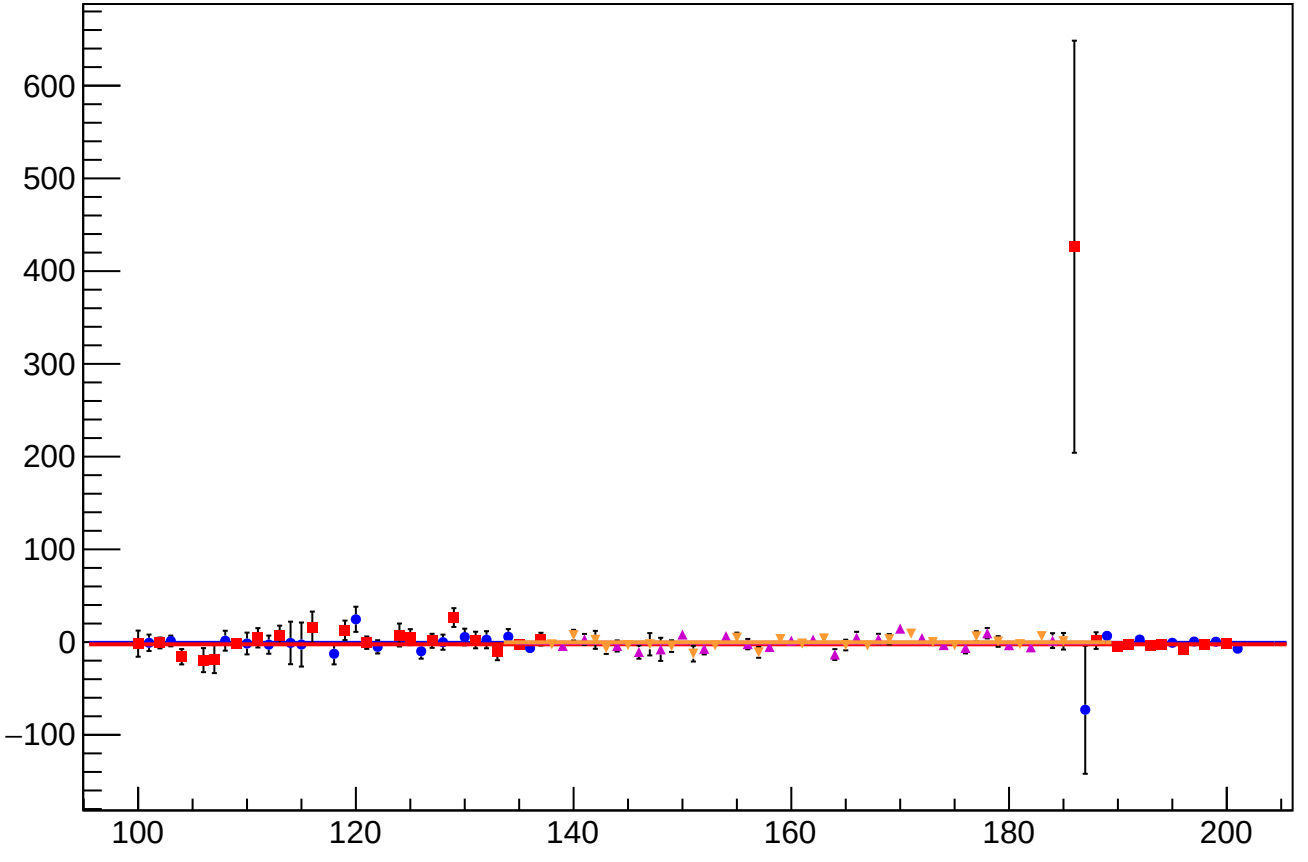
+ sign -0.944+/-5.797 χ^2/NDF: 56.9/47

All: 2.160+/-4.122 χ^2/NDF: 99.0/98

- sign 5.332+/-5.861 χ^2/NDF: 41.5/50


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: 32755.189+/-6.428 χ²/NDF: 1210721.1/27
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31776.784+/-4.099 χ²/NDF: 2709376.2/47
All: 32064.121+/-2.914 χ²/NDF: 5392287.4/
- sign 32357.772+/-4.144 χ²/NDF: 2672977.4/50

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: -2.377+/-1.084 χ^2/NDF: 28.8/27

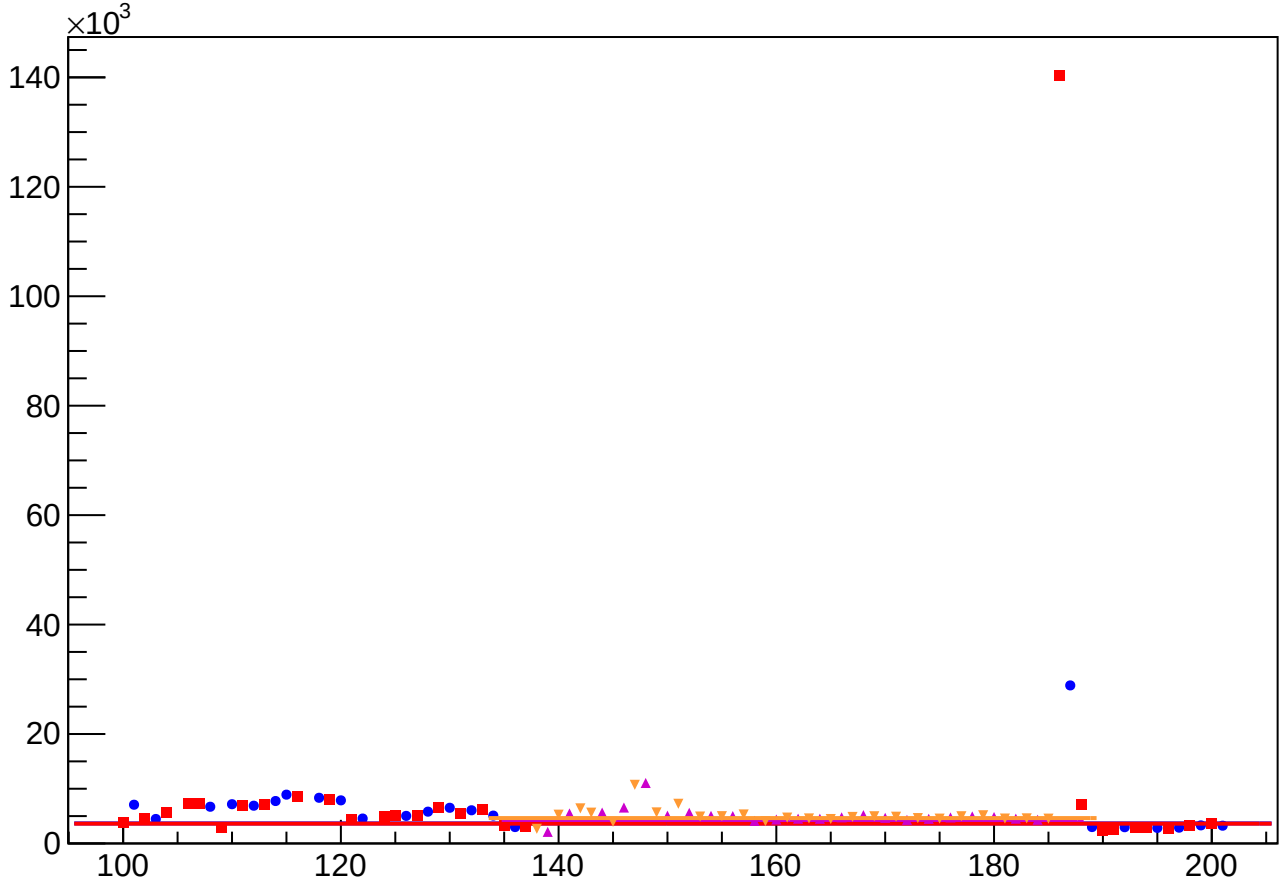
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.509+/-0.786 χ^2/NDF: 39.0/47

All: -1.056+/-0.545 χ^2/NDF: 103.6/98

- sign -1.566+/-0.758 χ^2/NDF: 63.7/50

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: 3618.319+/-0.766 χ^2/NDF: 3721656.3/27

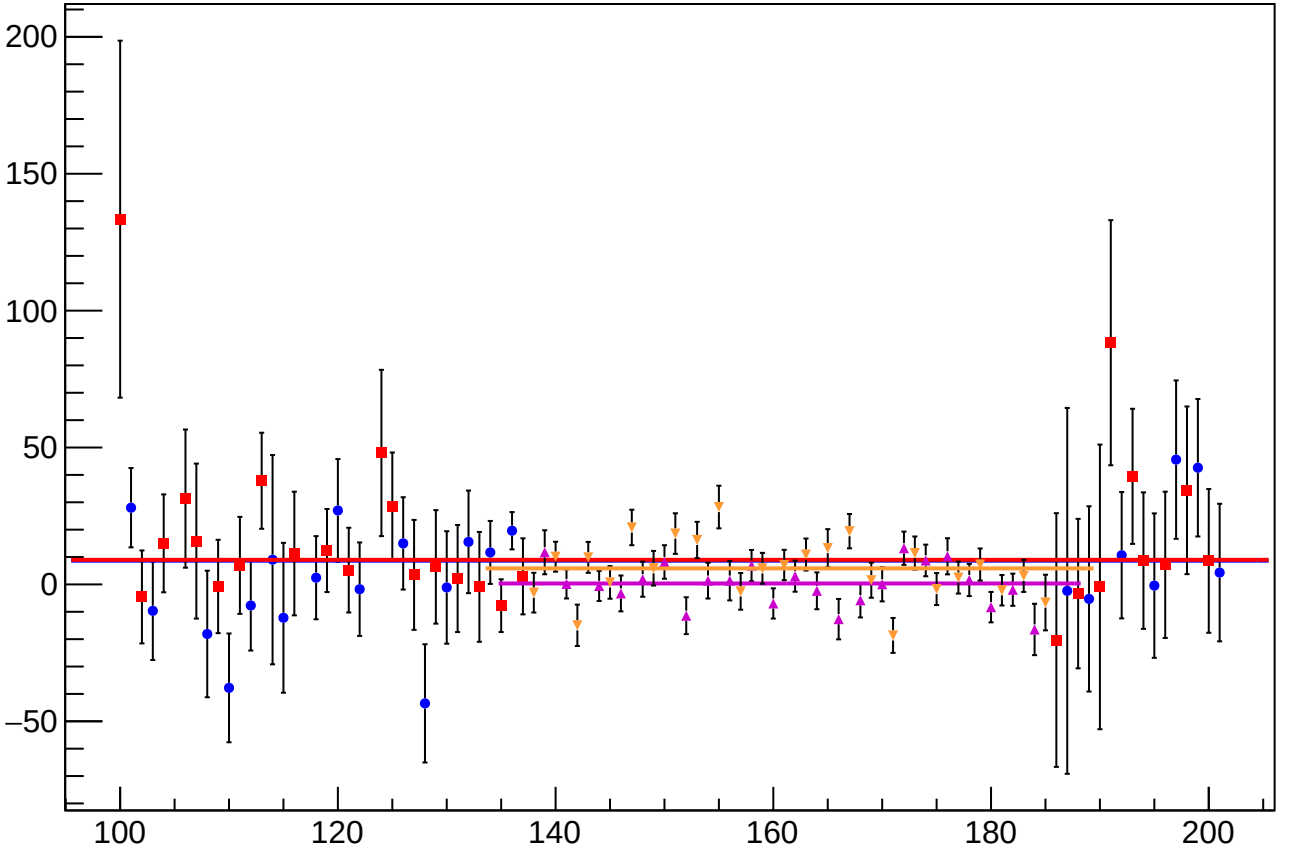
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4164.779+/-0.556 χ^2/NDF: 5548364.0/47

All: 4060.776+/-0.386 χ^2/NDF: 12831704.0/9

- sign 3963.961+/-0.536 χ^2/NDF: 7215660.4/50

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: 8.982+/-3.797 χ^2/NDF: 20.7/27

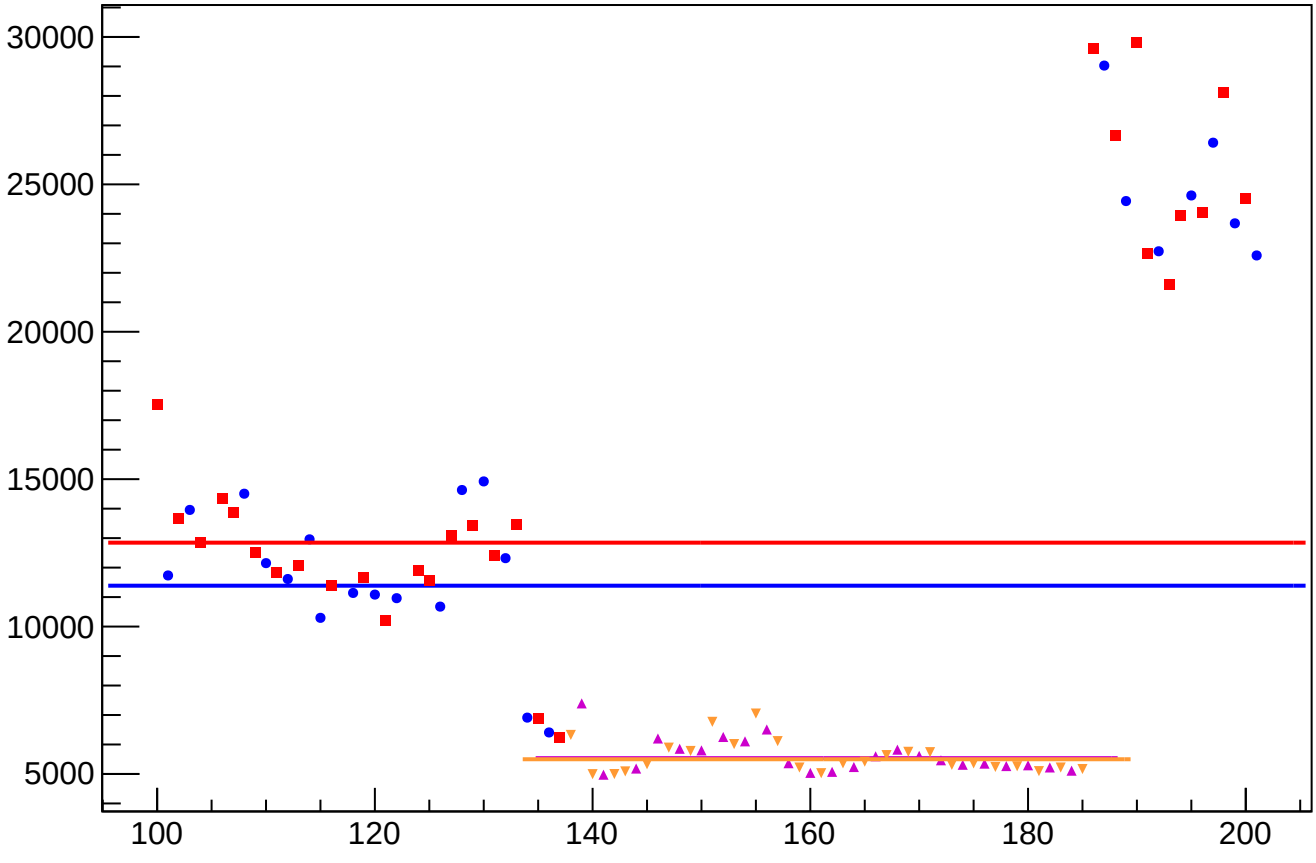
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.157+/-1.187 χ^2/NDF: 86.1/47

All: 3.789+/-0.854 χ^2/NDF: 149.0/98

- sign 1.245+/-1.231 χ^2/NDF: 54.7/50

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: 12846.174+/-2.685 χ^2/NDF: 4321001.9/27

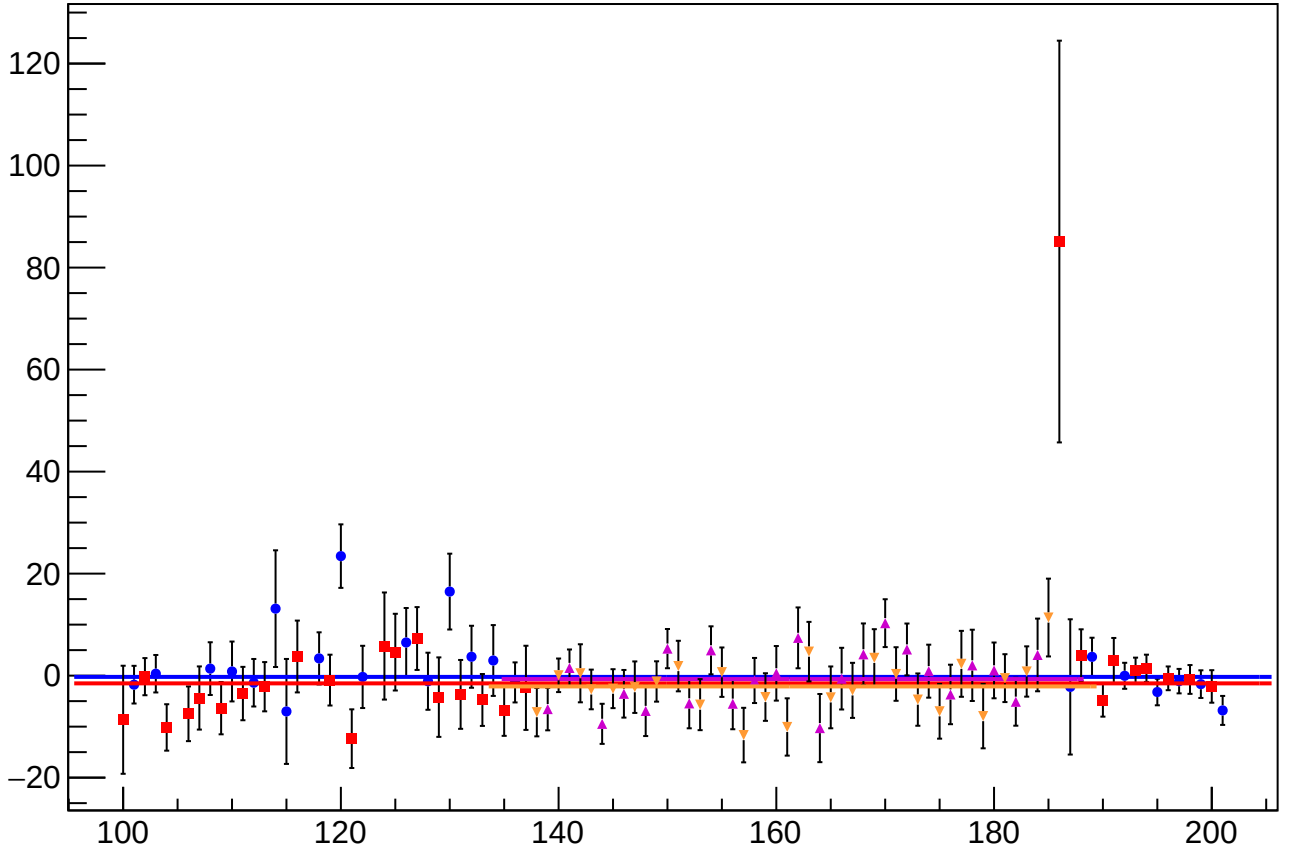
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6140.463+/-0.839 χ^2/NDF: 9485676.1/47

All: 6219.934+/-0.604 χ^2/NDF: 20760136.8/9

- sign 6305.356+/-0.870 χ^2/NDF: 11255857.9/50

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: -1.518+/-0.825 χ^2/NDF: 26.3/27

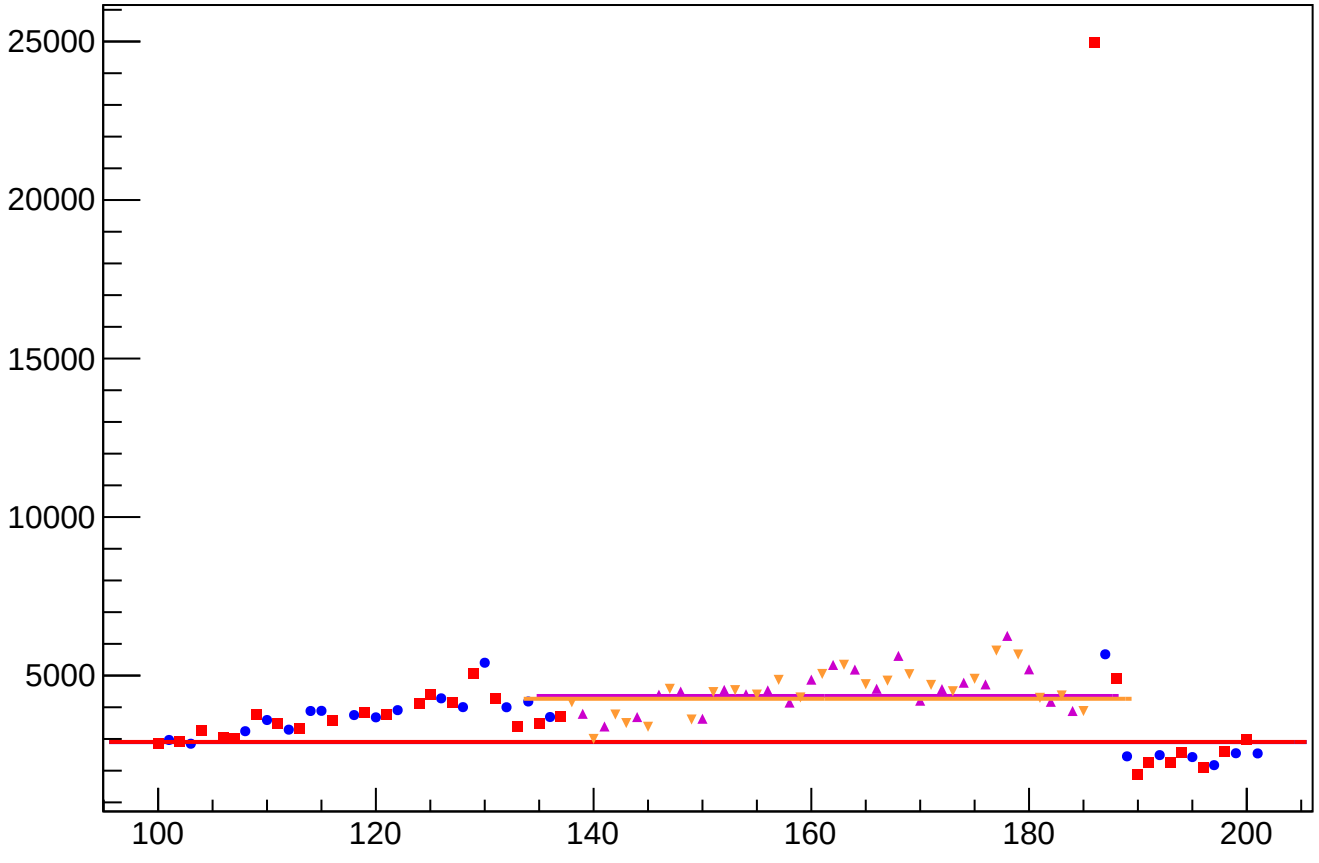
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.050+/-0.647 χ^2/NDF: 51.6/47

All: -1.119+/-0.456 χ^2/NDF: 106.7/98

- sign -1.187+/-0.644 χ^2/NDF: 55.1/50

diff_bpm16Y_rms vs Slug



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: 2906.607+/-0.583 χ^2/NDF: 2358113.2/27

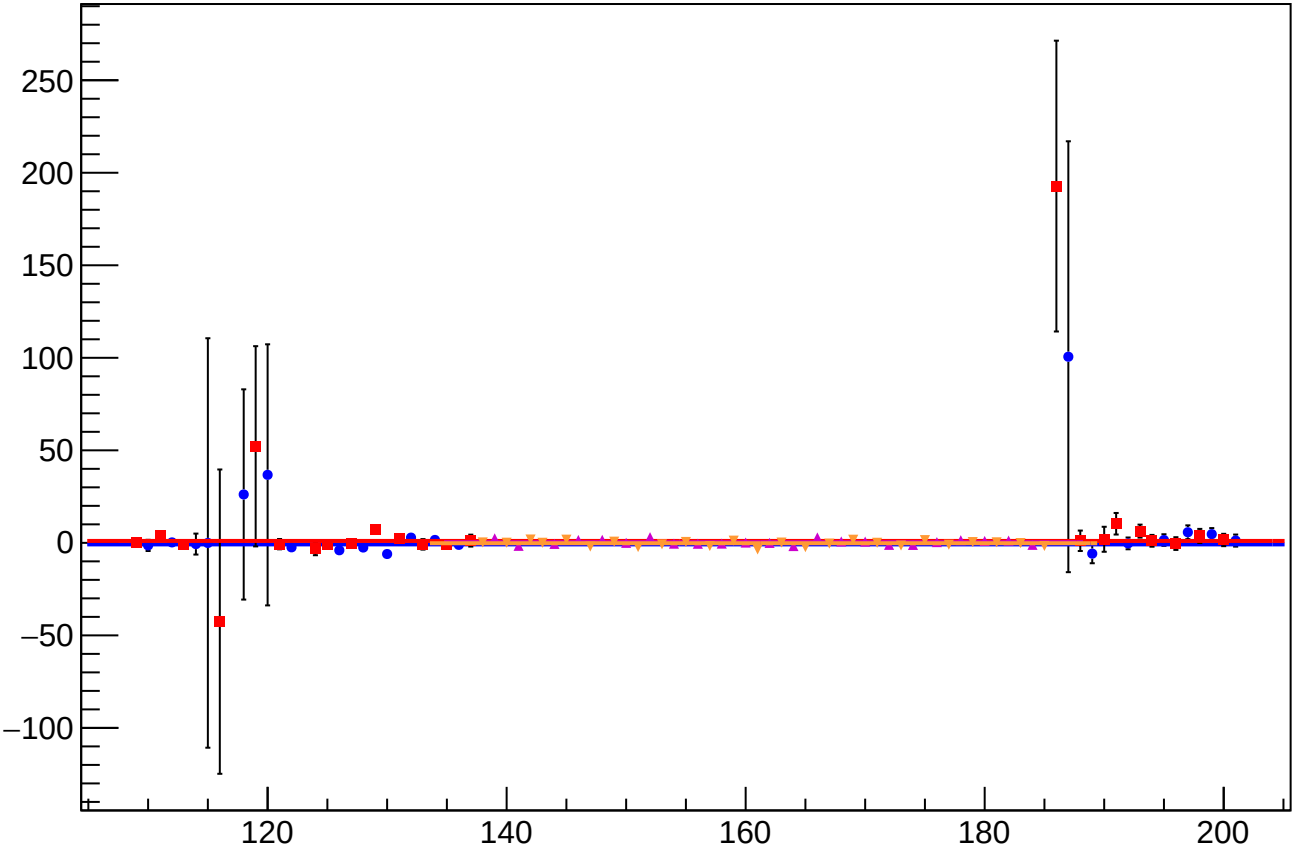
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3487.549+/-0.457 χ^2/NDF: 4534275.0/47

All: 3479.773+/-0.323 χ^2/NDF: 10046550.8/9

- sign 3472.066+/-0.455 χ^2/NDF: 5511700.2/50

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: 1.038+/-0.639 χ^2/NDF: 24.6/22

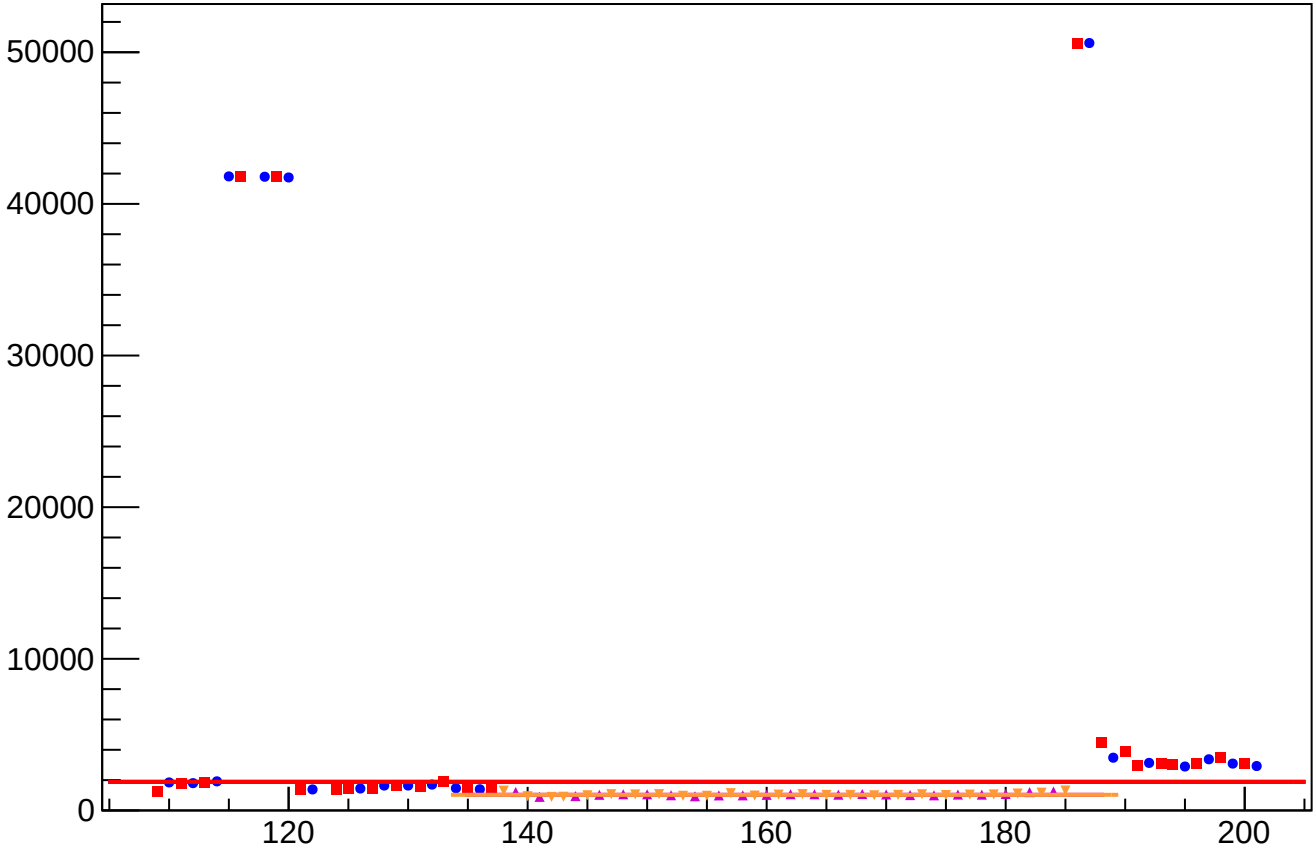
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

\+ sign -0.275+/-0.221 χ^2/NDF: 55.4/44

All: 0.066+/-0.158 χ^2/NDF: 115.3/90

\- sign 0.422+/-0.226 χ^2/NDF: 55.1/45

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: 1885.189+/-0.452 χ^2/NDF: 5068015.3/22

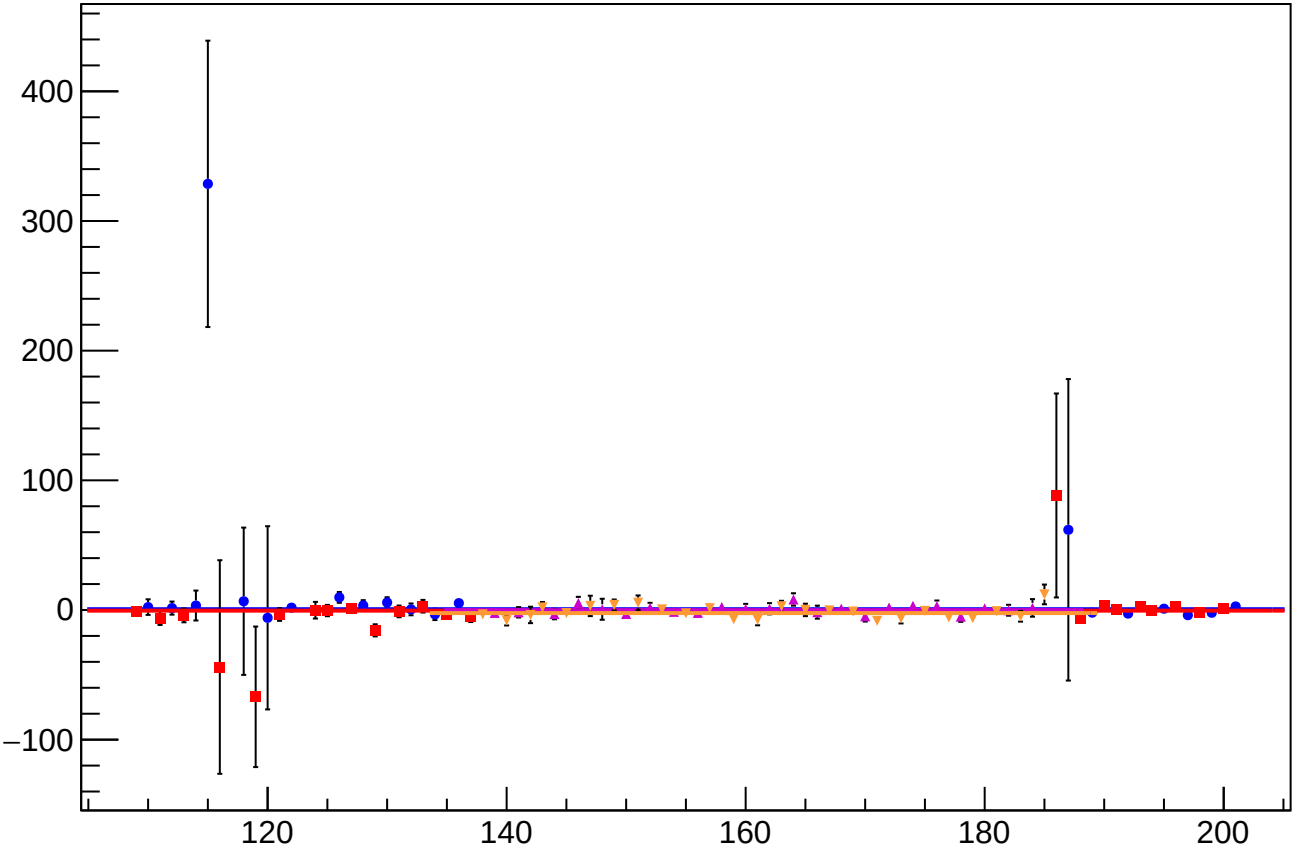
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1130.757+/-0.157 χ^2/NDF: 7568360.1/44

All: 1135.217+/-0.112 χ^2/NDF: 15940910.2/9

- sign 1139.880+/-0.160 χ^2/NDF: 8370890.7/45

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: -0.497+/-0.730 χ^2/NDF: 27.5/22

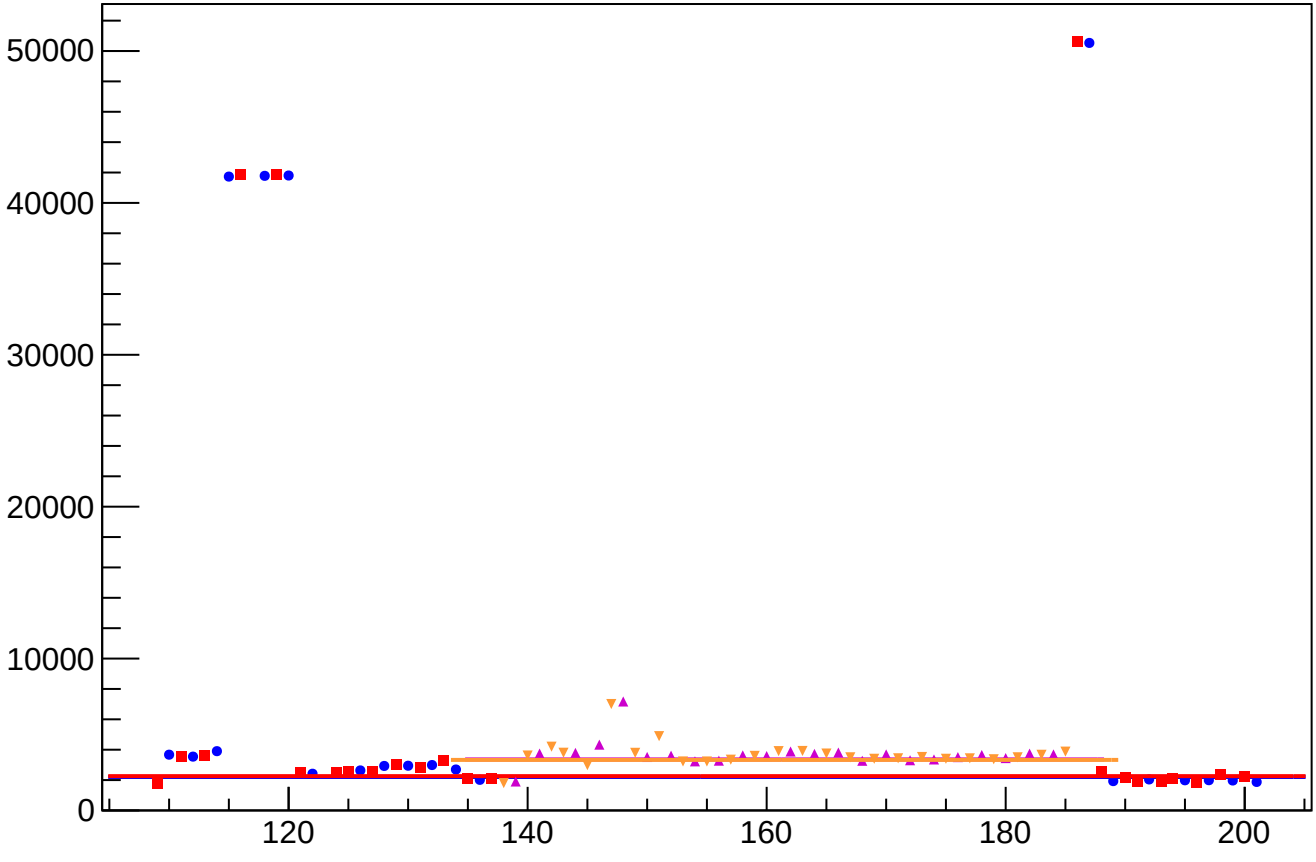
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.795+/-0.535 χ^2/NDF: 64.4/44

All: -0.576+/-0.381 χ^2/NDF: 104.9/90

- sign -0.351+/-0.542 χ^2/NDF: 40.2/45

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

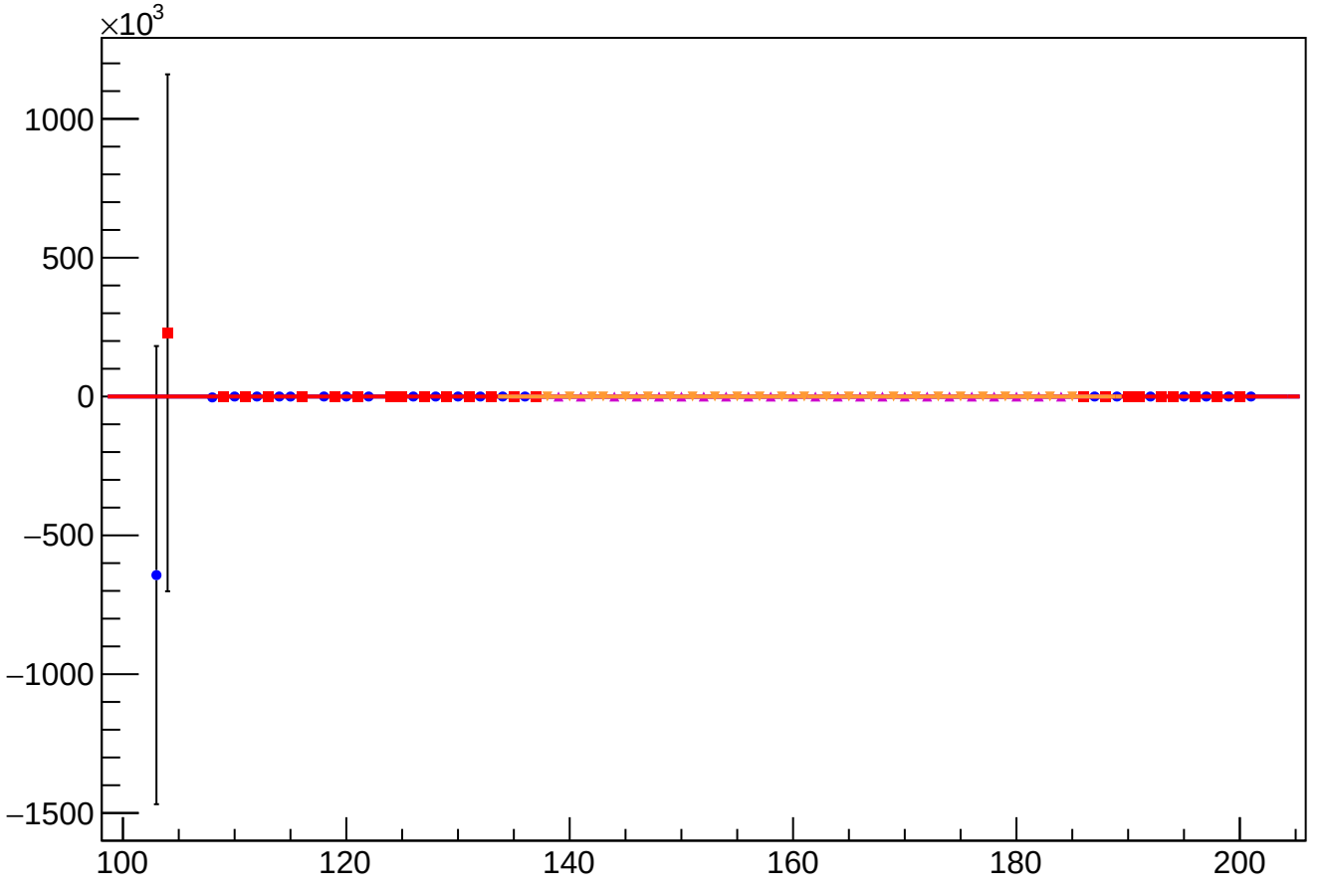
Right Out: 2259.094+/-0.516 χ^2/NDF: 2980788.9/22

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2730.667+/-0.379 χ^2/NDF: 7014942.0/44

All: 2741.892+/-0.269 χ^2/NDF: 13688681.1/9

- sign 2753.411+/-0.383 χ^2/NDF: 6671957.4/45



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: -1.940+/-0.720 χ^2/NDF: 23.1/23

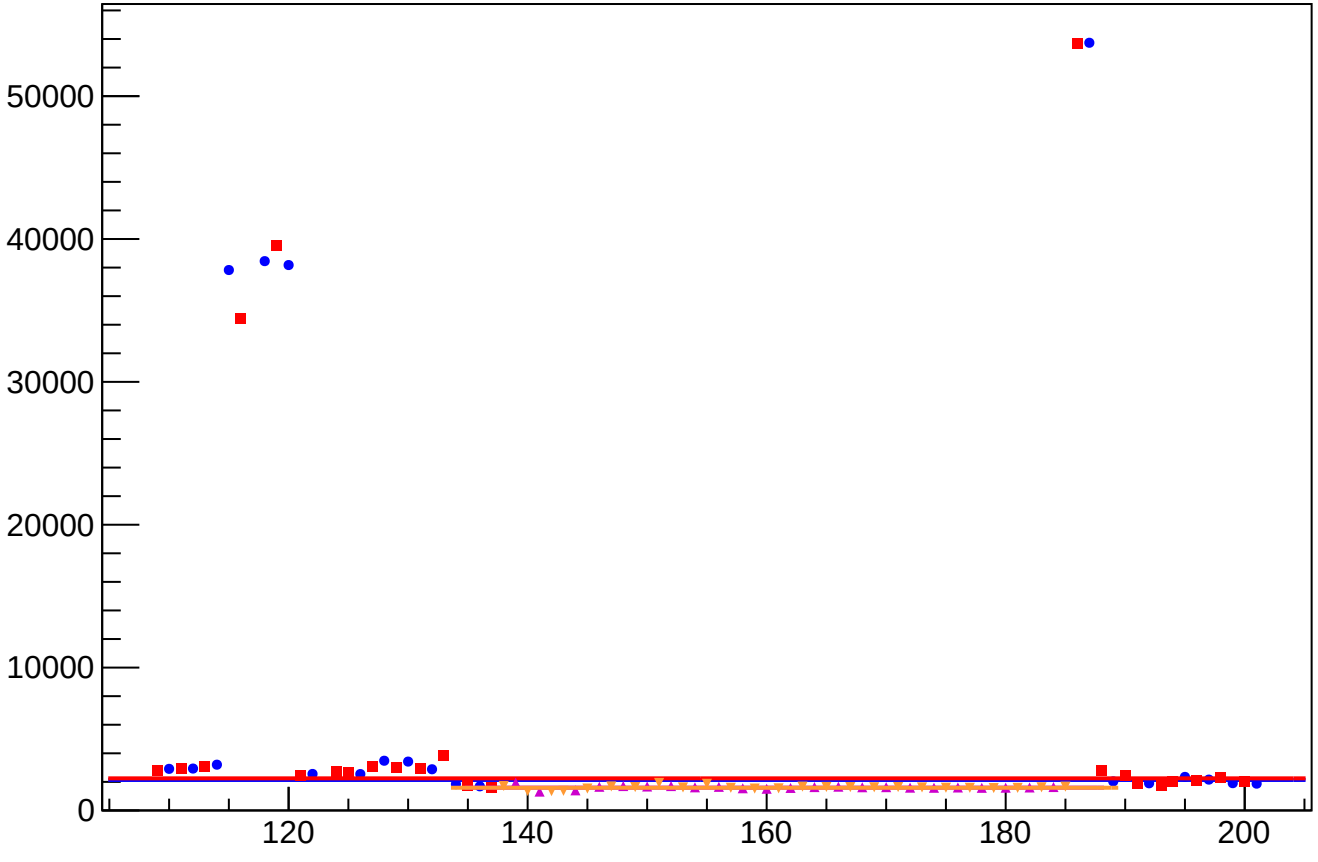
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.516+/-0.323 χ^2/NDF: 73.3/46

All: -0.973+/-0.232 χ^2/NDF: 135.4/93

- sign -0.399+/-0.332 χ^2/NDF: 56.3/46

diff_bpm1p03aX_rms vs Slug



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: 2247.662+/-0.509 χ^2/NDF: 3169102.5/22

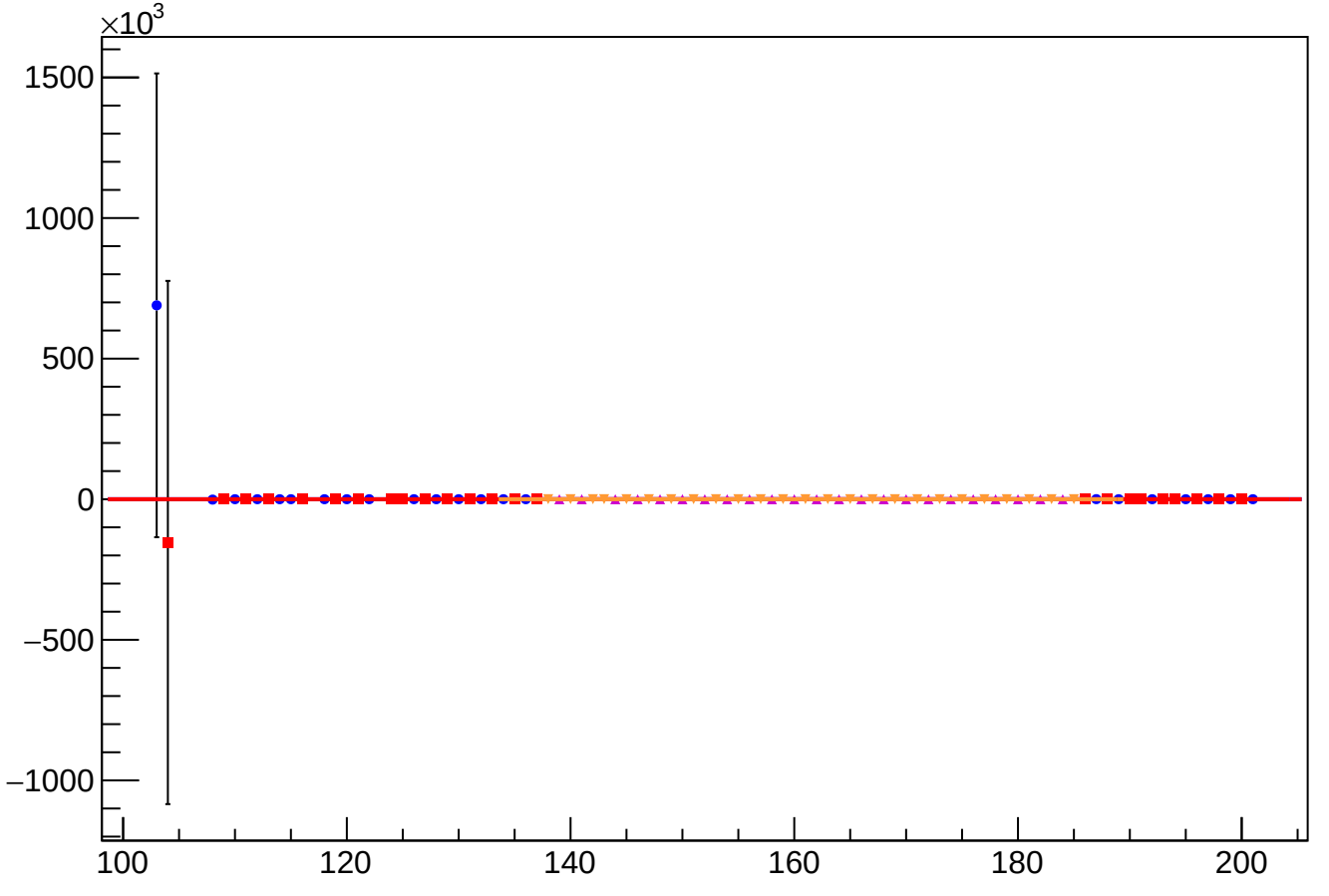
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1701.929+/-0.229 χ^2/NDF: 4129021.0/44

All: 1717.947+/-0.164 χ^2/NDF: 8793760.0/90

- sign 1734.856+/-0.235 χ^2/NDF: 4654649.5/45

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: -0.028+/-0.604 χ^2/NDF: 26.1/23

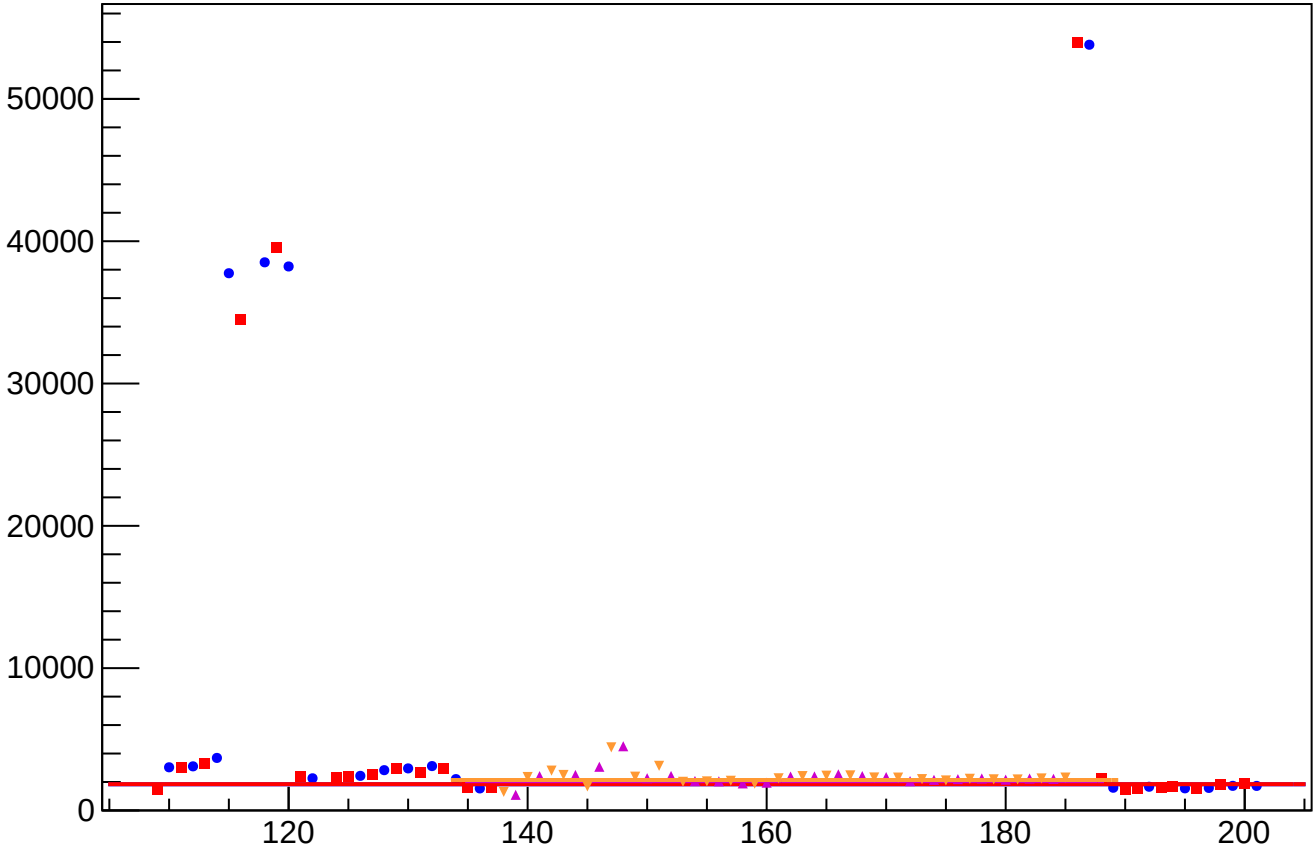
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.468+/-0.390 χ^2/NDF: 44.2/46

All: -0.200+/-0.274 χ^2/NDF: 88.2/93

- sign 0.062+/-0.386 χ^2/NDF: 43.0/46

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: 1847.565+/-0.427 χ^2/NDF: 3409721.6/22

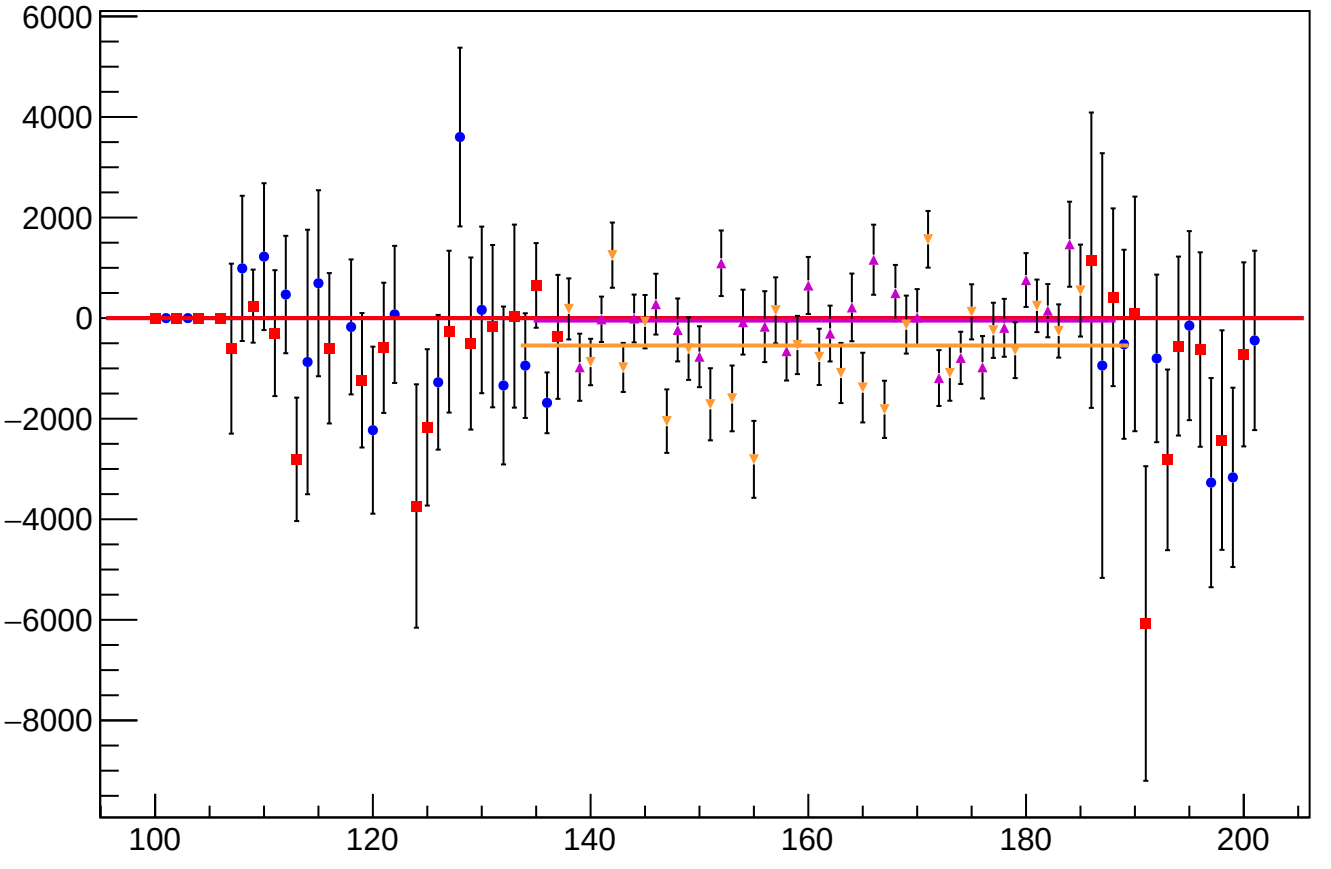
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2018.776+/-0.276 χ^2/NDF: 5056508.2/44

All: 1995.253+/-0.194 χ^2/NDF: 10918379.2/9

- sign 1972.248+/-0.273 χ^2/NDF: 5847476.5/45

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

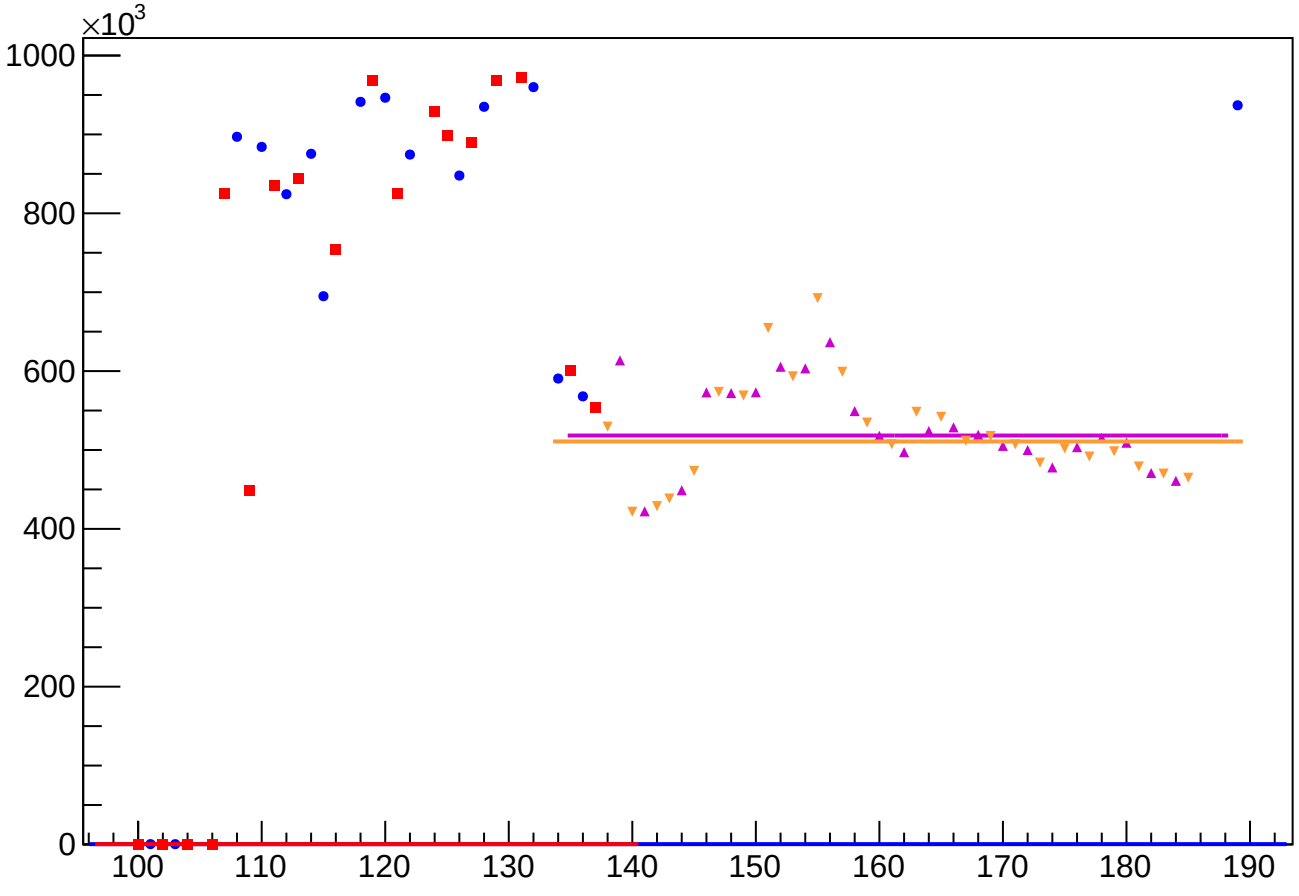
Right Out: 0.096+/-0.328 χ^2/NDF: 23.5/27

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: 157.9/98

\- sign 0.095+/-0.328 χ^2/NDF: 51.6/50



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

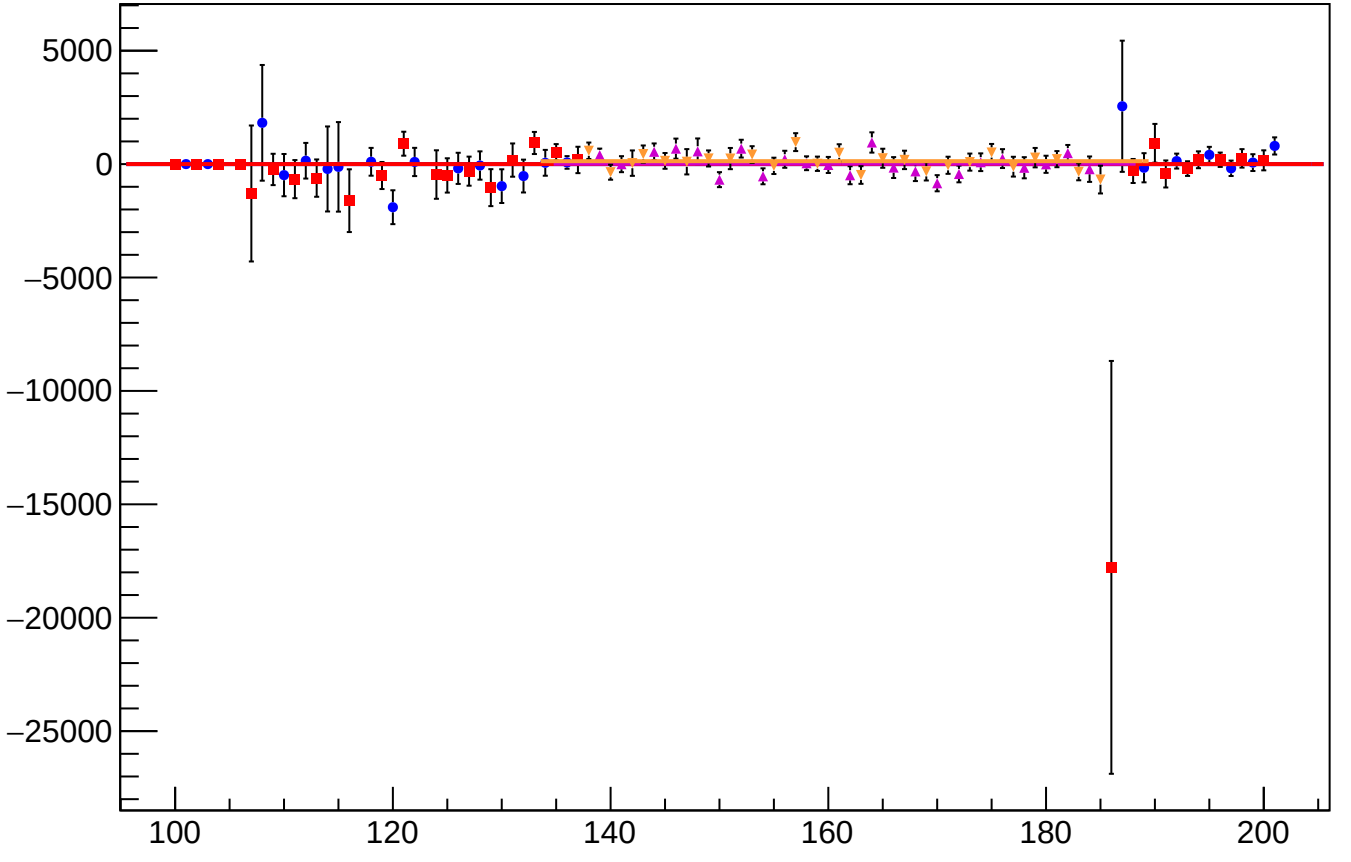
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ 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

diff_cav4bY_mean vs Slug



Right In: -0.019+/-0.347 χ^2/NDF: 17.6/22

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

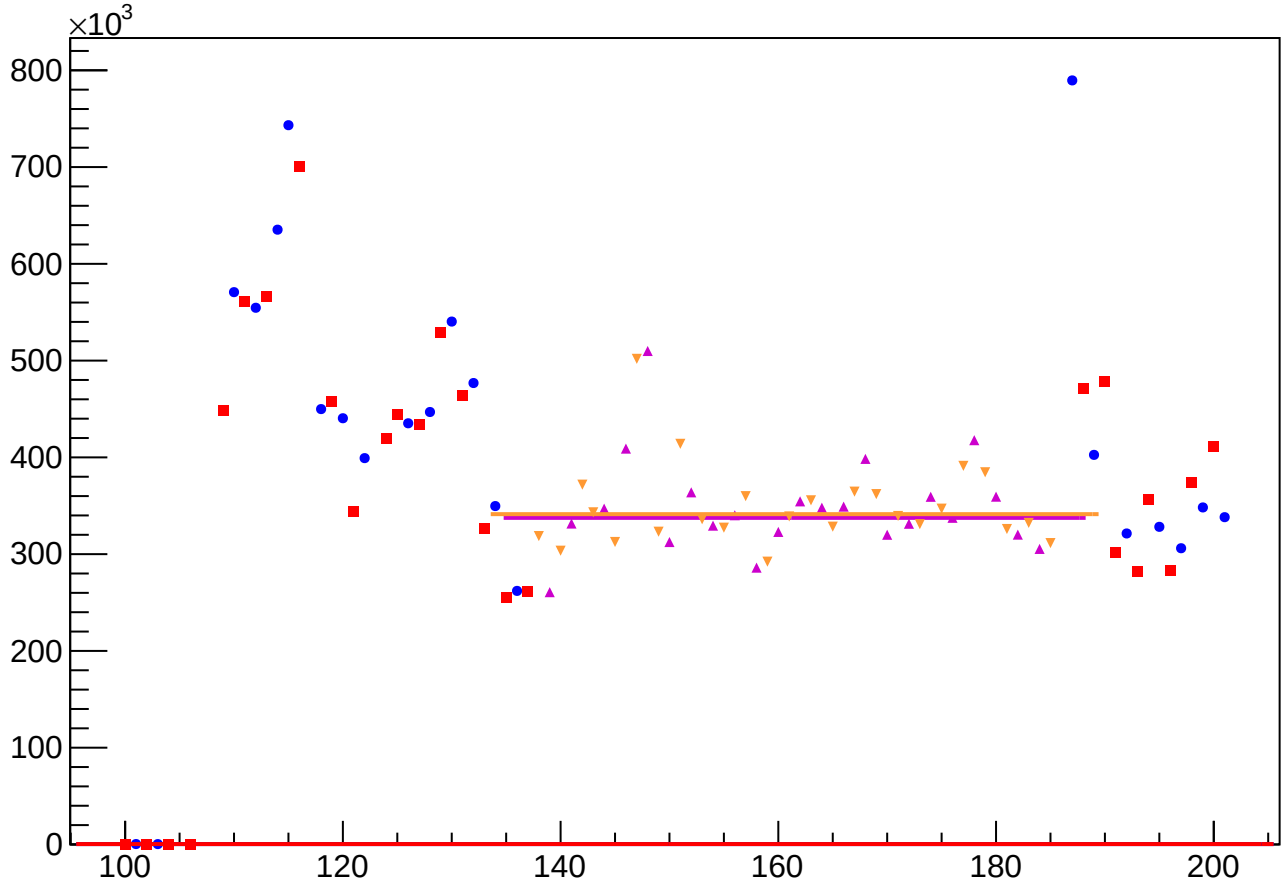
Right Out: 0.599+/-0.324 χ^2/NDF: 22.4/27

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: 98.2/98

- sign 0.599+/-0.324 χ^2/NDF: 56.1/50



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: 389.620+/-0.229 χ^2/NDF: 22116017.4/25

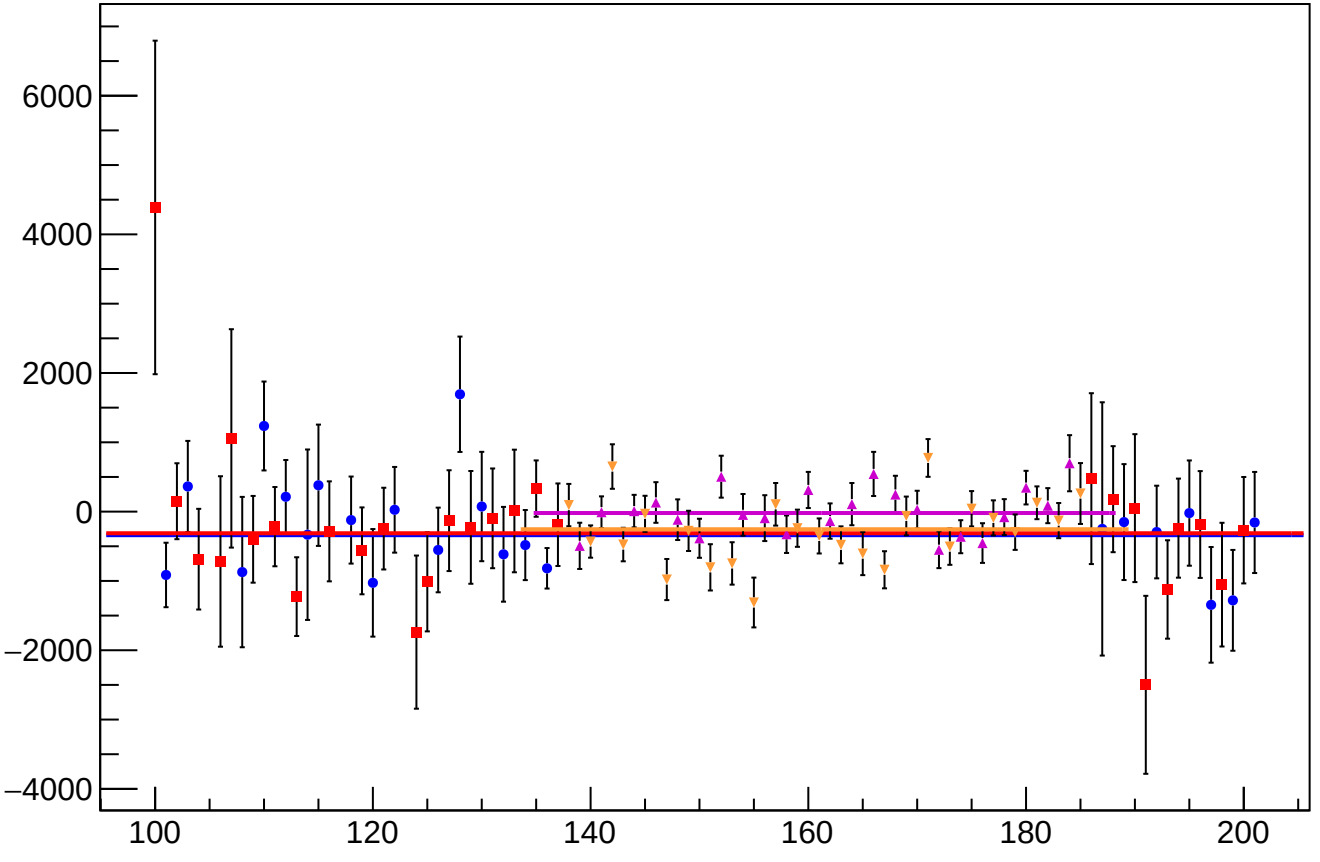
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 398.682+/-0.245 χ^2/NDF: 58893357.7/46

All: 396.806+/-0.167 χ^2/NDF: 117328331.7/9

- sign 395.174+/-0.229 χ^2/NDF: 58434864.8/48

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

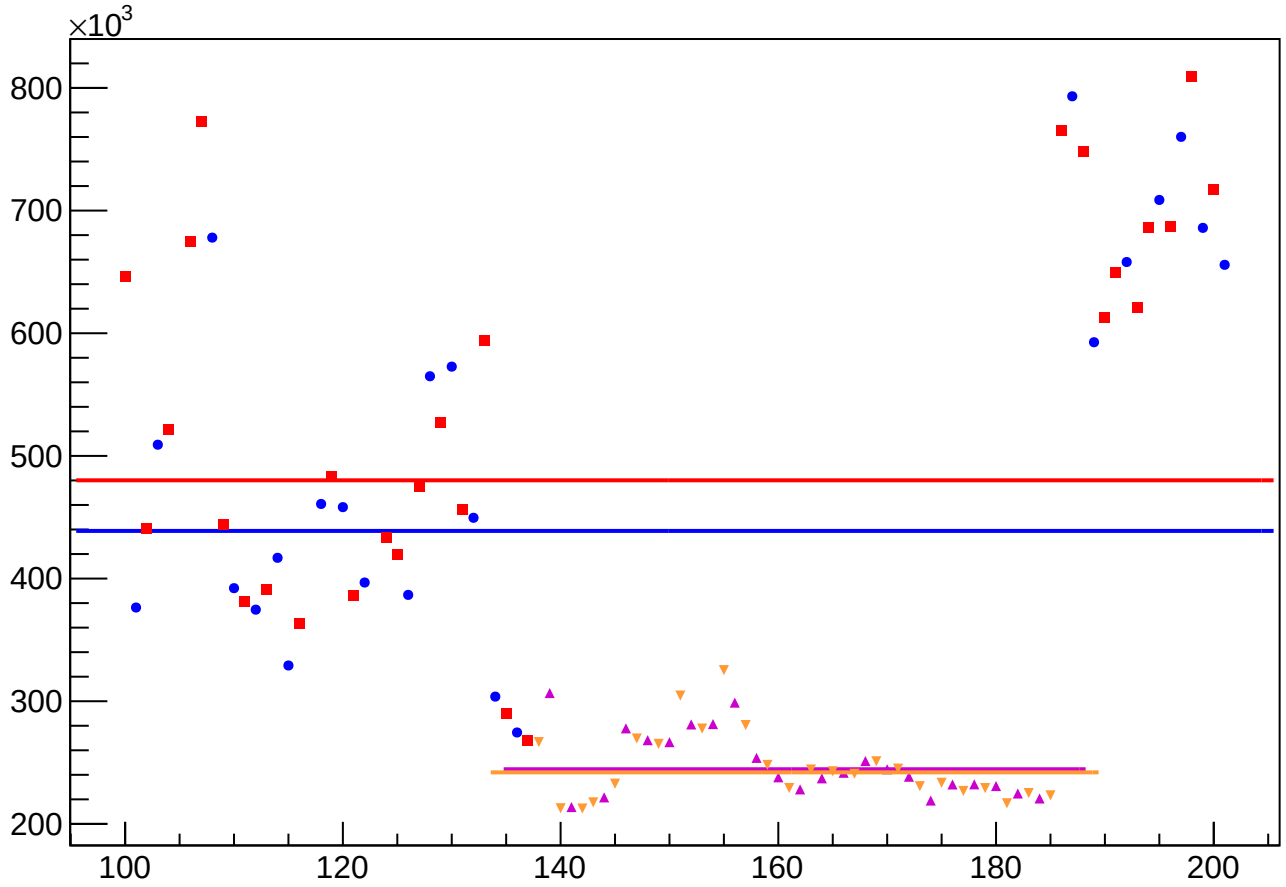
Right Out: -312.027+/-137.079 χ^2/NDF: 19.8/27

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -267.124+/-51.126 χ^2/NDF: 86.3/47

All: -169.153+/-36.800 χ^2/NDF: 146.2/98

- sign -63.823+/-53.011 χ^2/NDF: 52.3/50



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: 480104.825+/-97.062 χ^2/NDF: 2364299.5/27

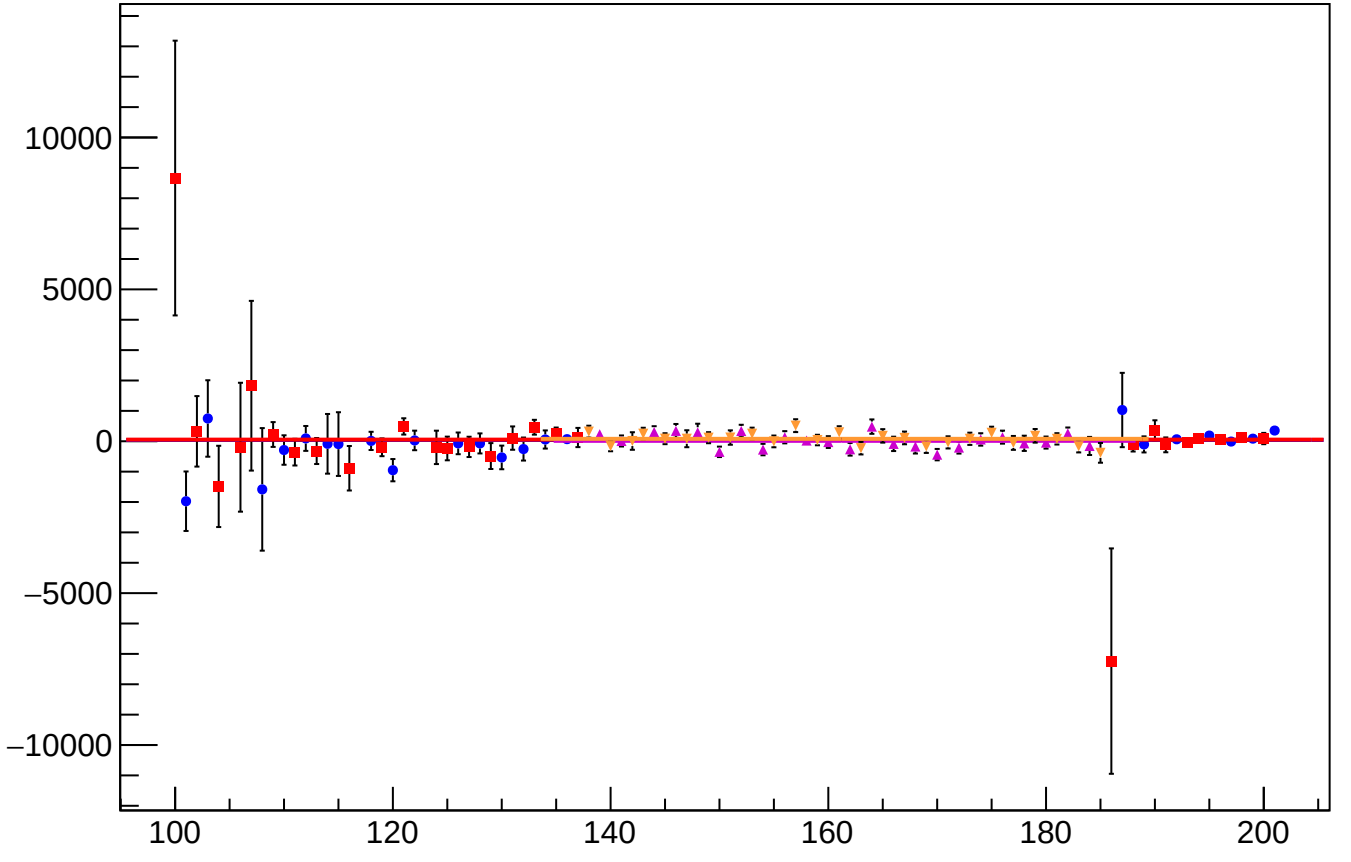
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 271303.275+/-36.153 χ^2/NDF: 6616051.0/47

All: 275344.133+/-26.025 χ^2/NDF: 1437940

- sign 279689.996+/-37.492 χ^2/NDF: 7736961.0/50

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: 53.054+/-49.576 χ^2/NDF: 25.9/27

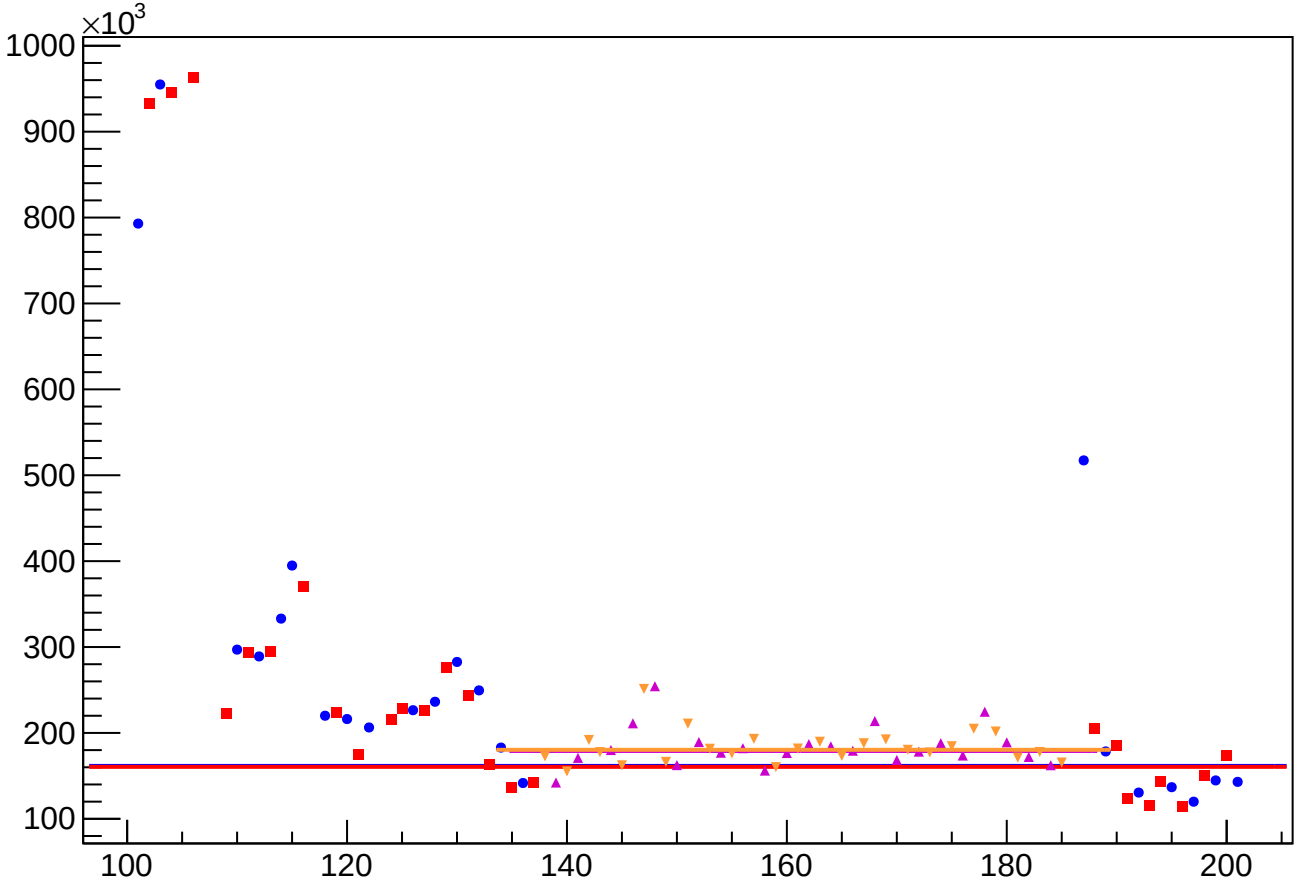
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 64.594+/-32.123 χ^2/NDF: 42.2/47

All: 47.532+/-22.723 χ^2/NDF: 102.2/98

- sign 30.442+/-32.149 χ^2/NDF: 59.4/50

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: 160516.303+/-35.086 χ^2/NDF: 3233276.0/24

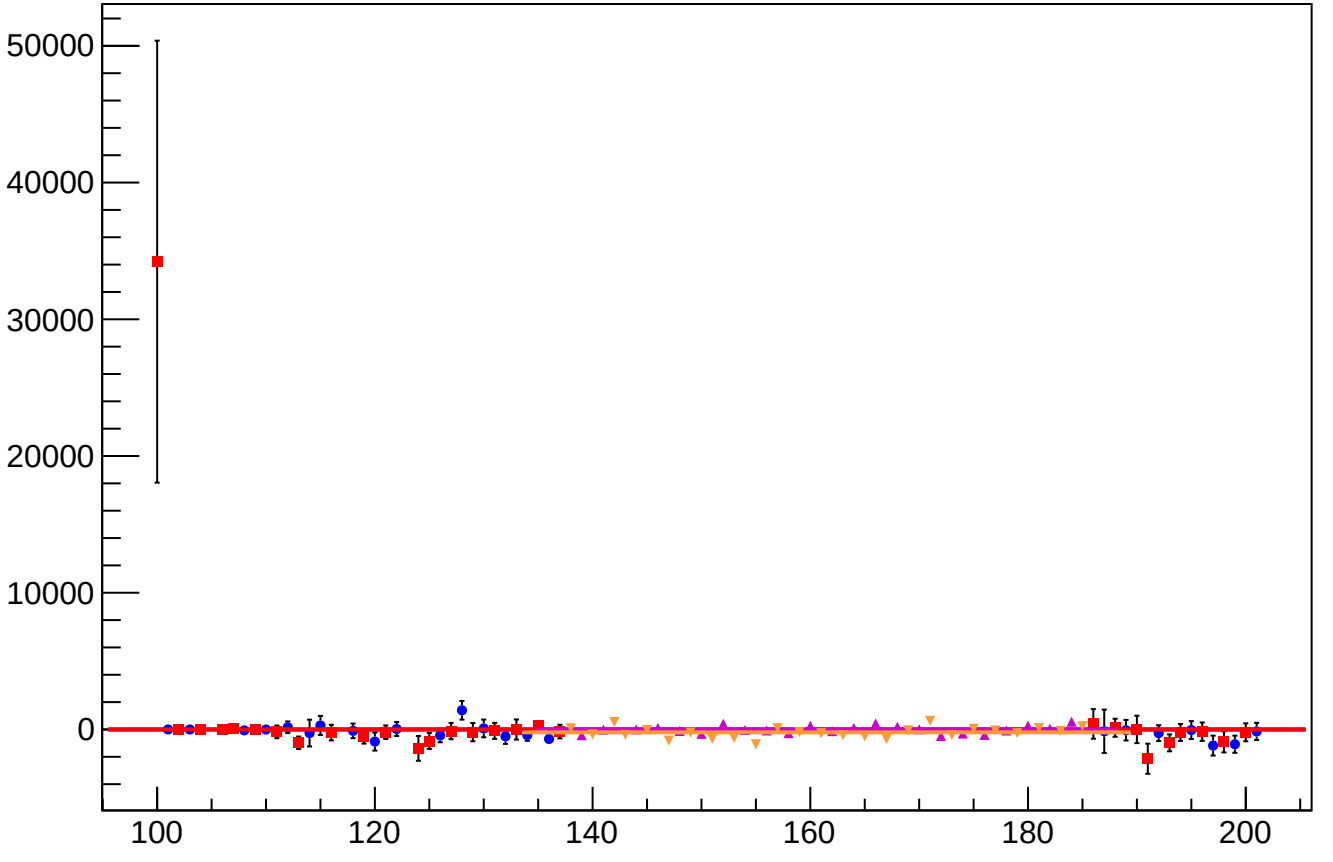
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 172942.845+/-22.719 χ^2/NDF: 3654436.7/46

All: 172096.745+/-16.073 χ^2/NDF: 7553247.

- sign 171249.006+/-22.741 χ^2/NDF: 3896034.2/47

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: 24.6/27

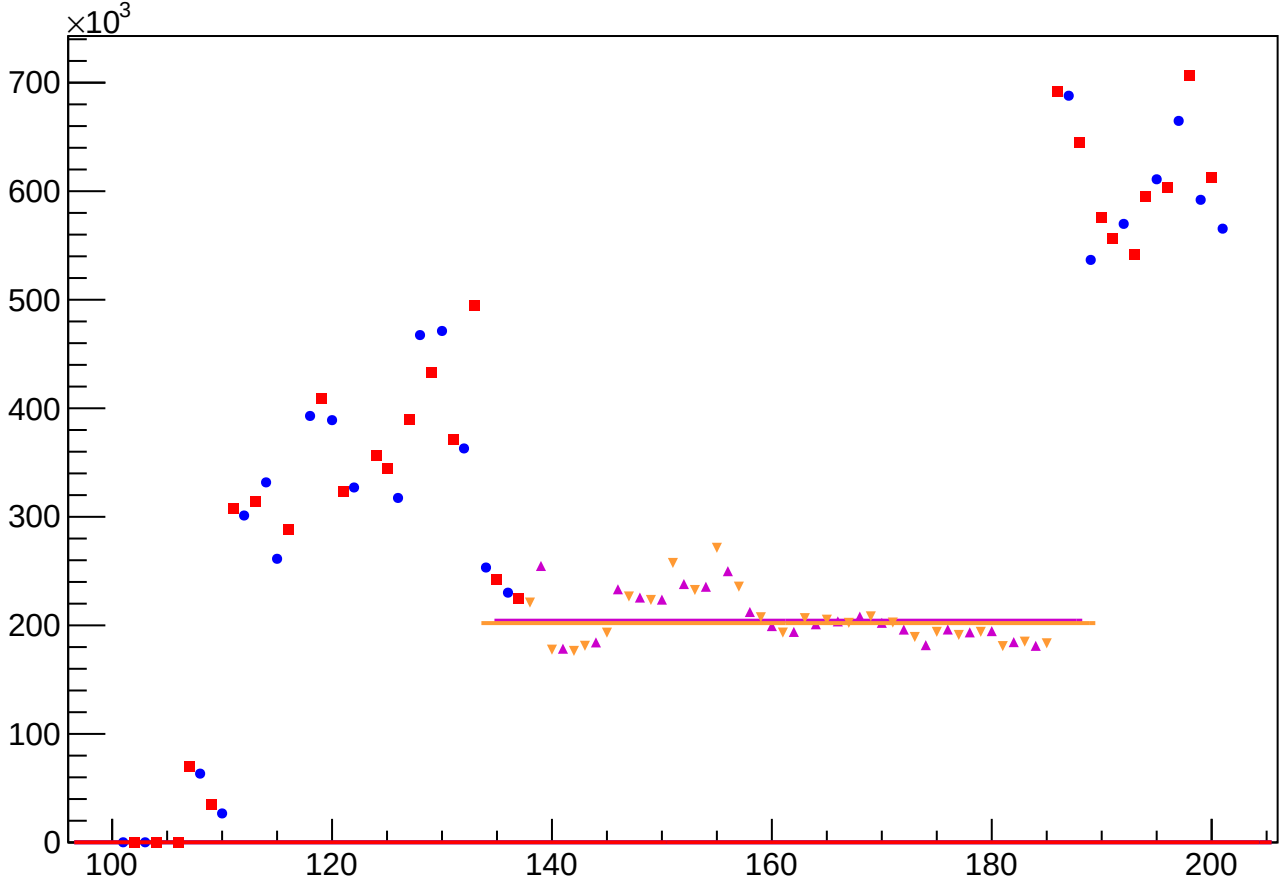
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 105.8/47

All: -0.208+/-0.117 χ^2/NDF: 161.0/98

- sign -0.355+/-0.160 χ^2/NDF: 53.4/50

diff_cav4dX_rms vs Slug



Right In: 149.346+/-0.122 χ^2/NDF: 21440522.8/22

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

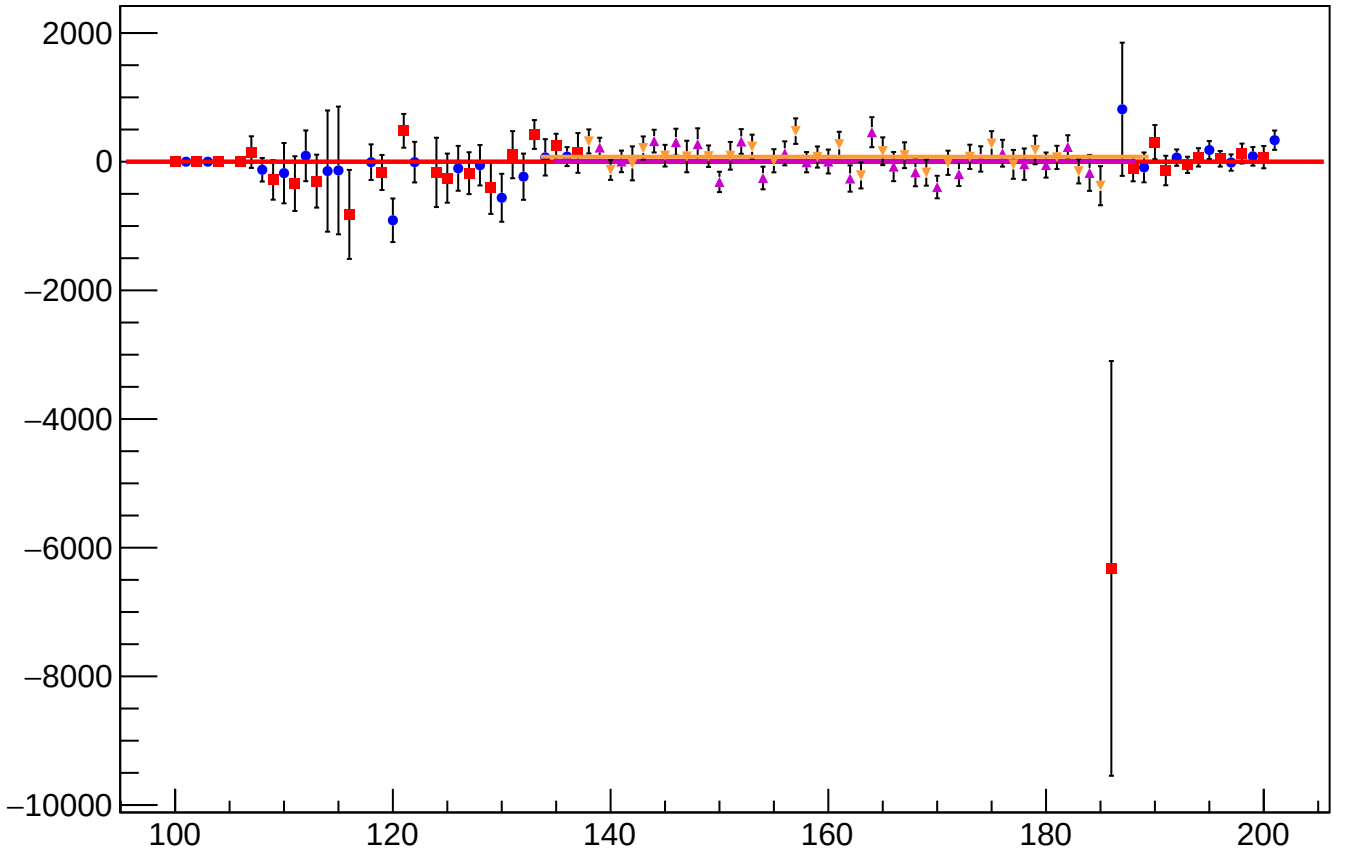
Right Out: 149.635+/-0.113 χ^2/NDF: 23594576.8/26

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.142+/-0.122 χ^2/NDF: 59936300.9/47

All: 152.014+/-0.083 χ^2/NDF: 120033570.4/9

- sign 151.904+/-0.113 χ^2/NDF: 60097267.5/49



Right In: -0.067+/-0.177 χ^2/NDF: 19.2/22

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

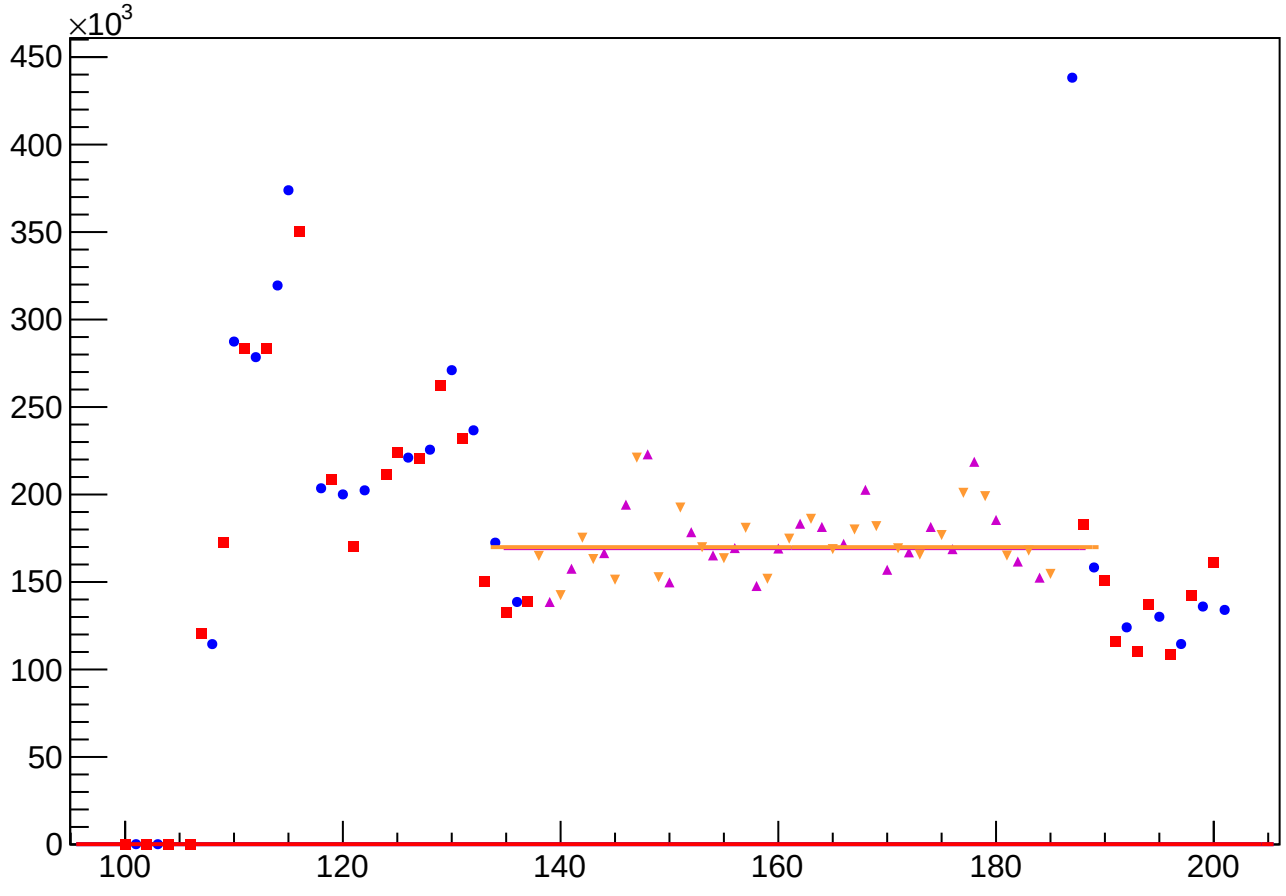
Right Out: 0.126+/-0.166 χ^2/NDF: 22.4/27

Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.065+/-0.177 χ^2/NDF: 42.3/47

All: 0.036+/-0.121 χ^2/NDF: 98.1/98

- sign 0.126+/-0.166 χ^2/NDF: 55.2/50



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: 157.305+/-0.118 χ^2/NDF: 22603909.4/26

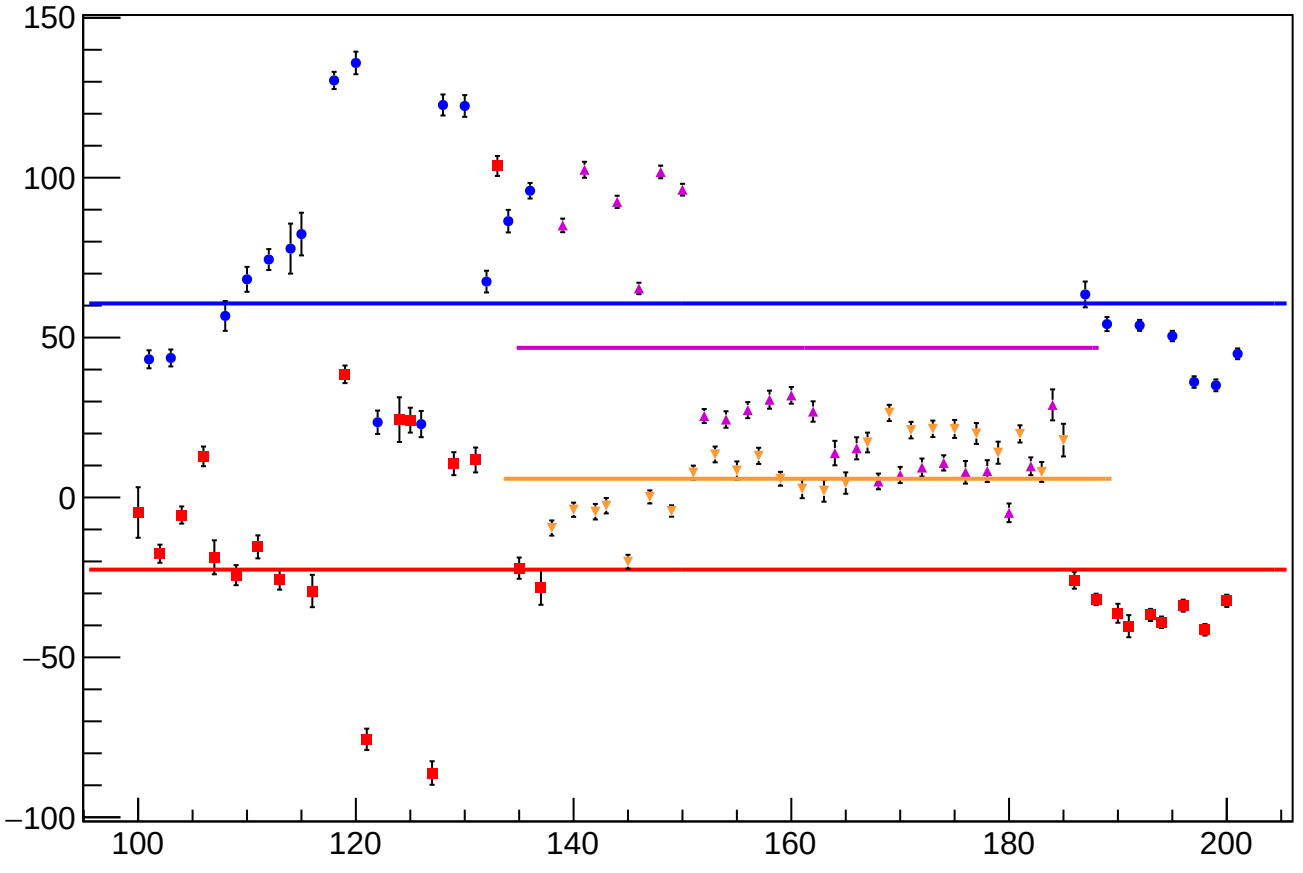
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 158.148+/-0.125 χ^2/NDF: 60209554.2/47

All: 159.263+/-0.086 χ^2/NDF: 119198139.5/9

- sign 160.246+/-0.118 χ^2/NDF: 58988436.4/49

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: -22.557+/-0.526 χ^2/NDF: 3611.4/27

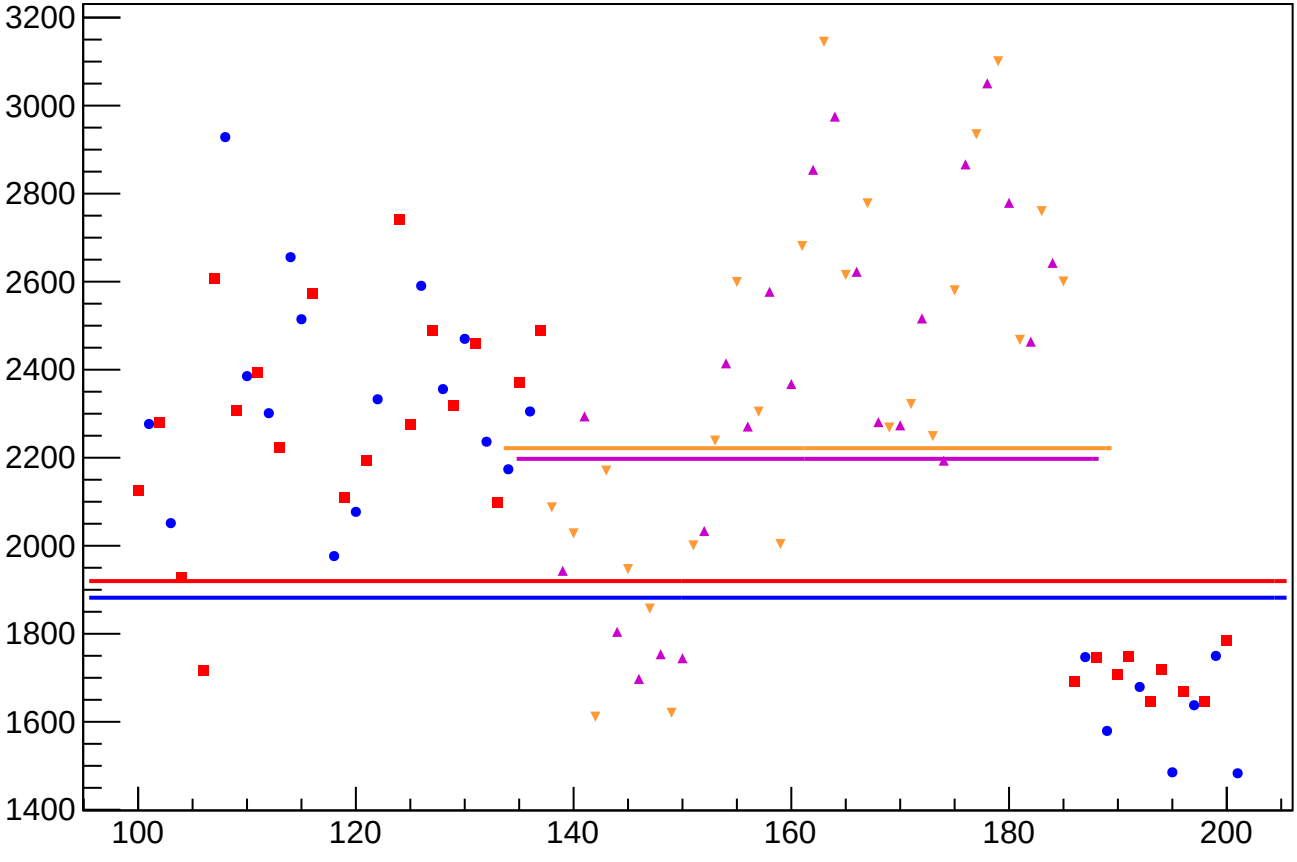
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 31.480+/-0.375 χ^2/NDF: 8764.2/47

All: 21.772+/-0.264 χ^2/NDF: 27589.0/98

\- sign 12.246+/-0.372 χ^2/NDF: 17497.5/50

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: 1919.722+/-0.372 χ^2/NDF: 643576.1/27

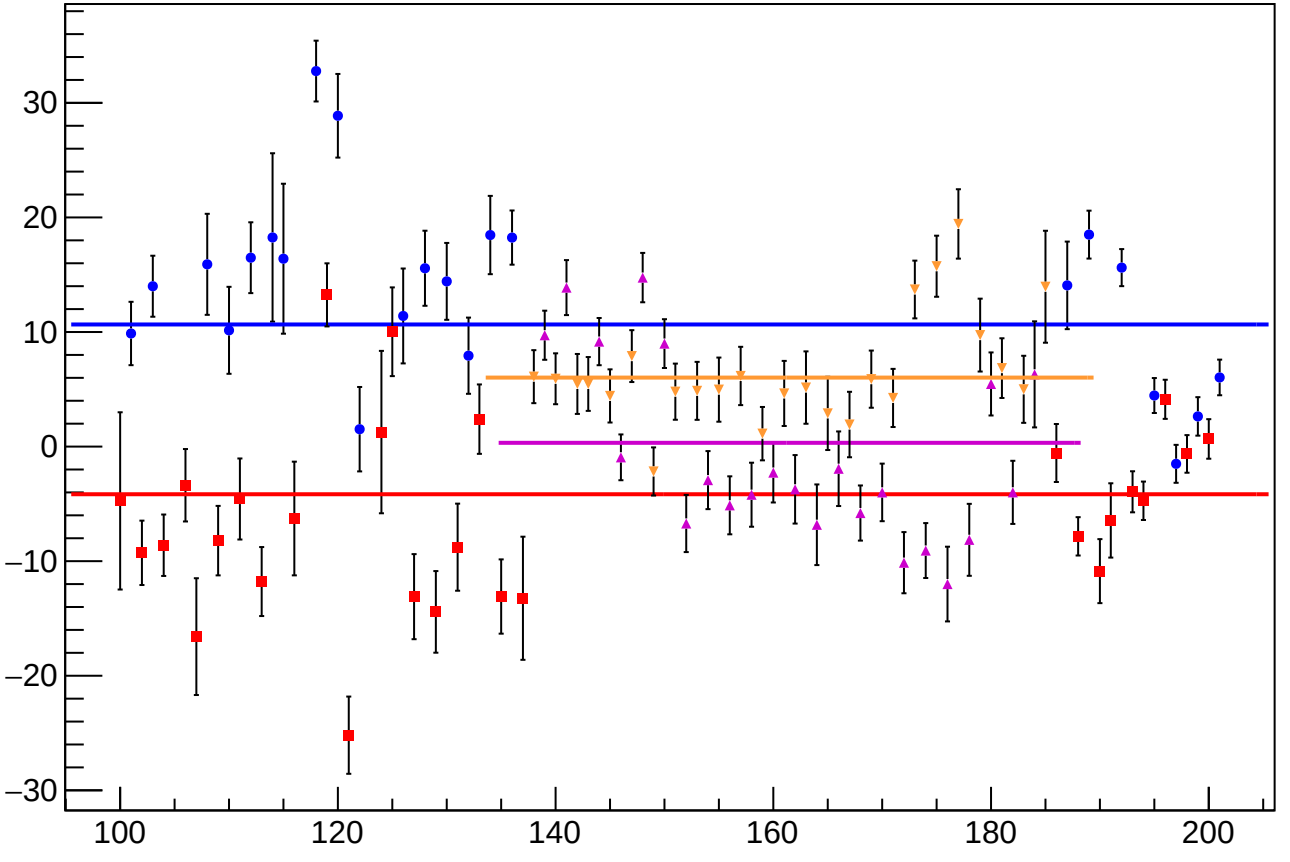
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2062.919+/-0.265 χ^2/NDF: 2488327.8/47

All: 2060.993+/-0.187 χ^2/NDF: 4516090.7/98

- sign 2059.104+/-0.263 χ^2/NDF: 2027658.4/50

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: -4.159+/-0.501 χ^2/NDF: 193.3/27

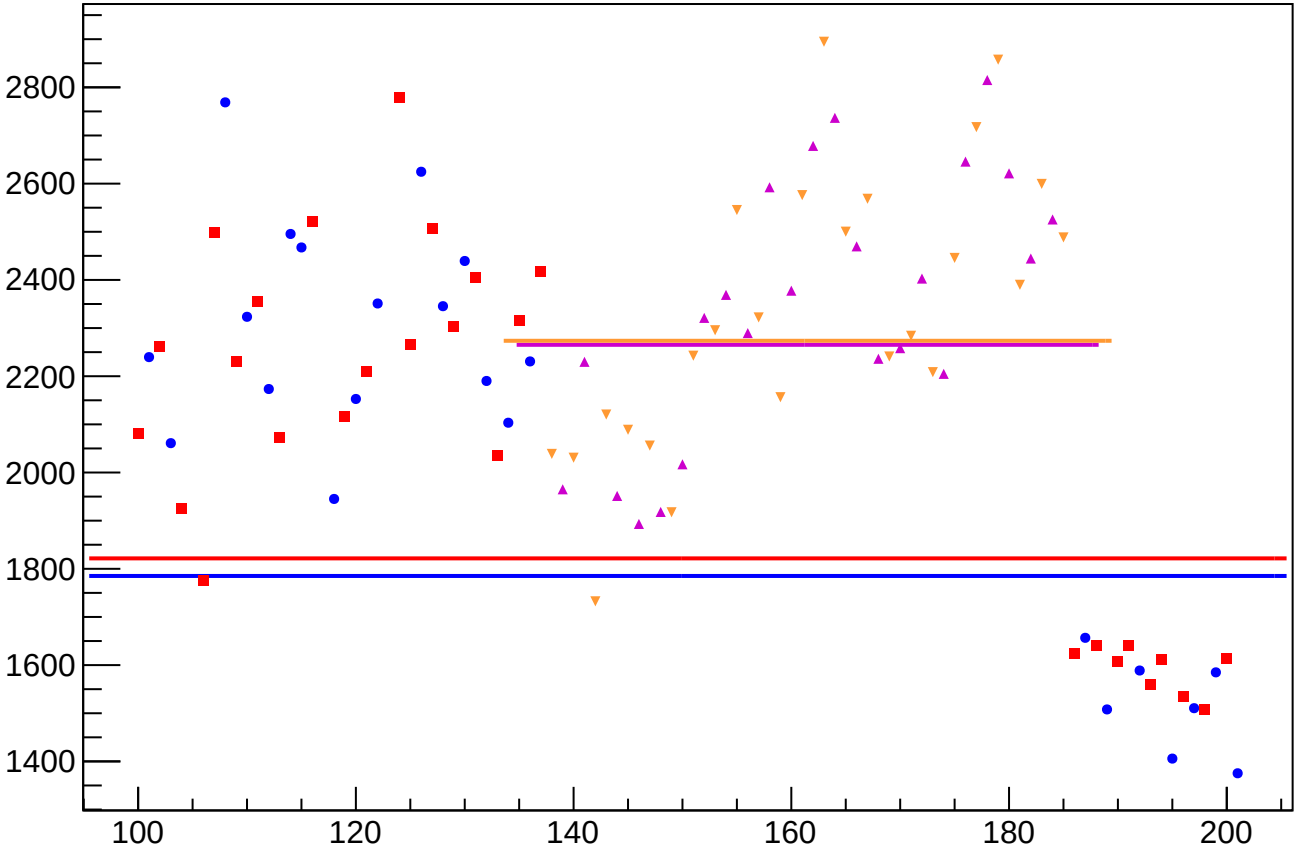
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.334+/-0.369 χ^2/NDF: 366.4/47

All: 3.093+/-0.260 χ^2/NDF: 1222.7/98

- sign -2.060+/-0.366 χ^2/NDF: 455.7/50

diff_bpm0i01Y_rms vs Slug



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: 1821.655+/-0.354 χ^2/NDF: 856452.4/27

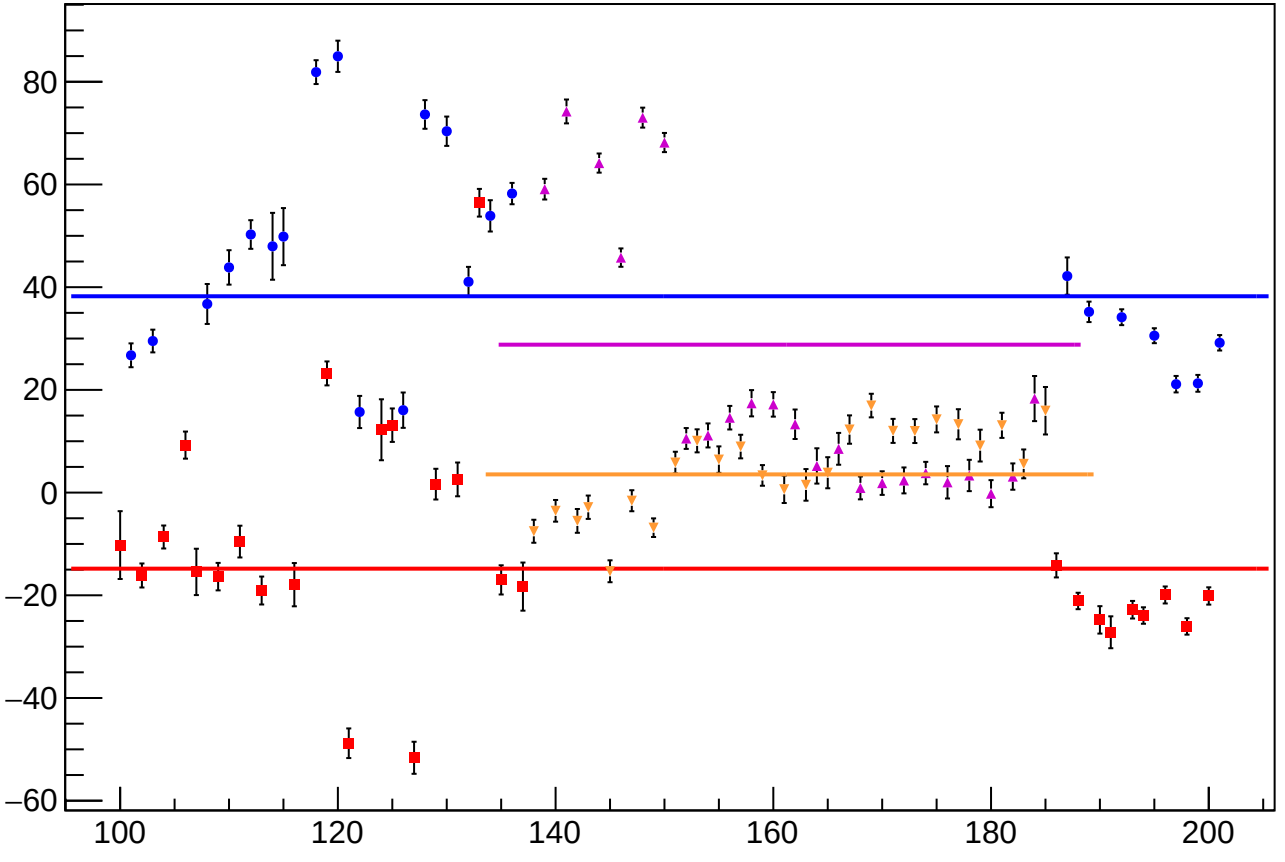
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2030.010+/-0.261 χ^2/NDF: 2523949.1/47

All: 2029.590+/-0.184 χ^2/NDF: 4609155.8/98

- sign 2029.177+/-0.259 χ^2/NDF: 2085201.5/50

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: -14.813+/-0.460 χ^2/NDF: 1662.3/27

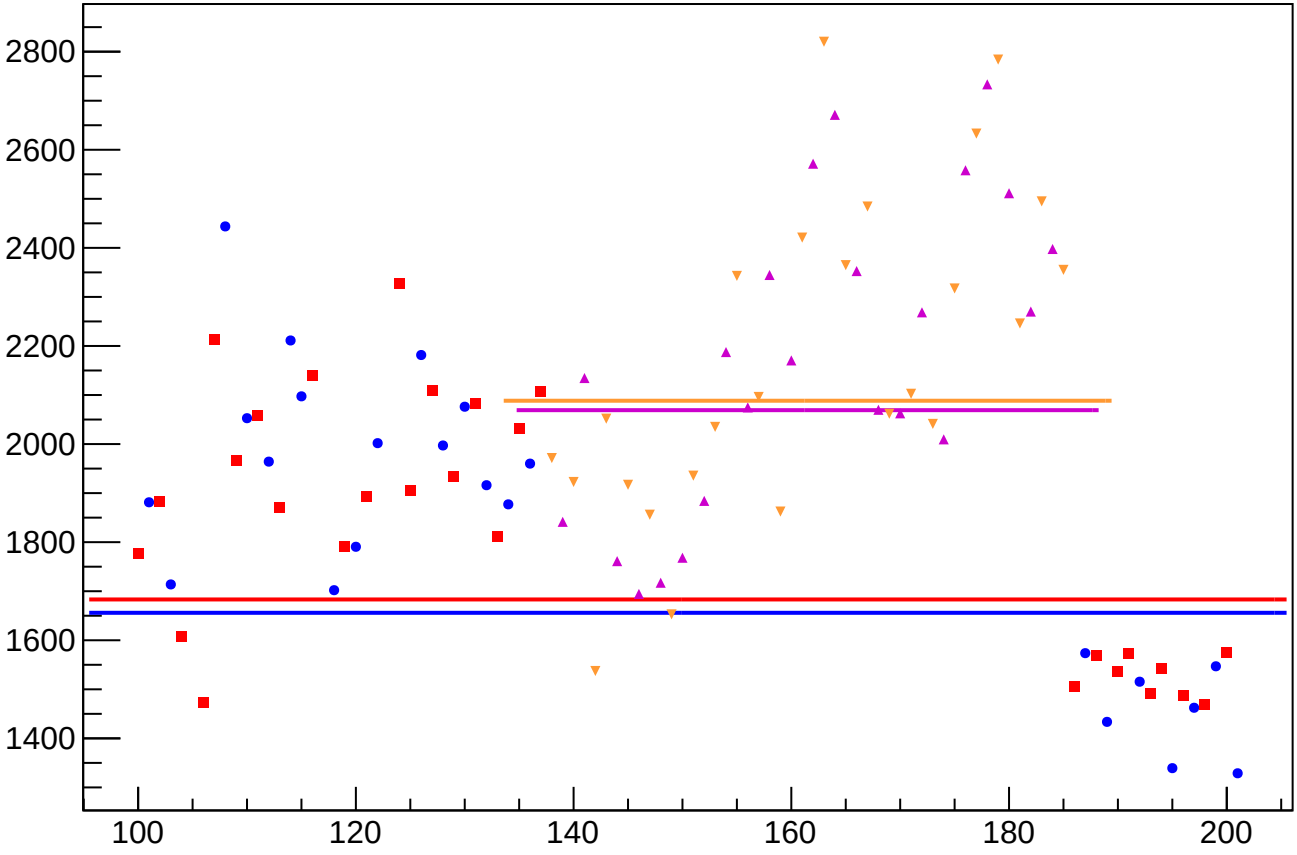
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 20.897+/-0.340 χ^2/NDF: 4383.5/47

All: 13.147+/-0.239 χ^2/NDF: 14543.5/98

\- sign 5.575+/-0.336 χ^2/NDF: 9130.0/50

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: 1683.202+/-0.325 χ^2/NDF: 465255.4/27

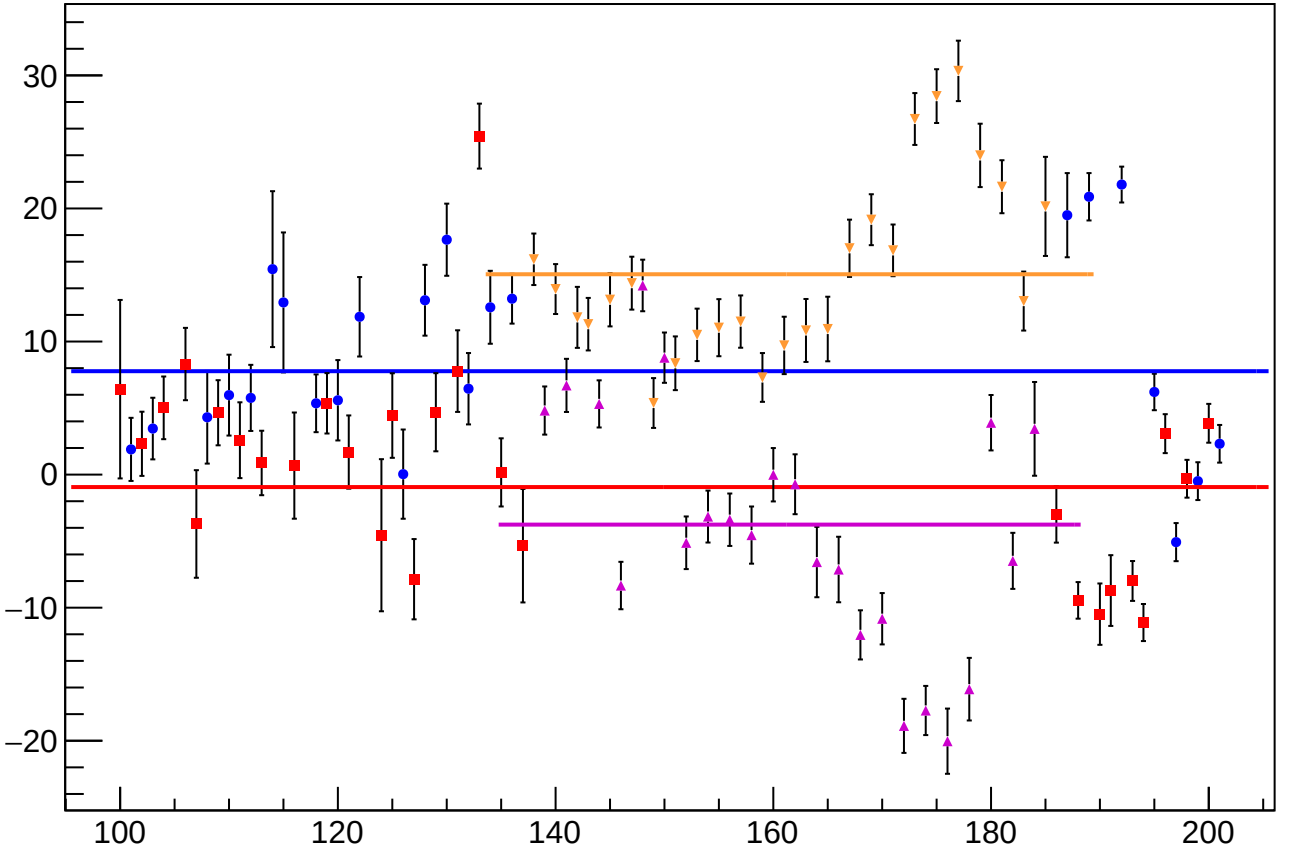
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1872.065+/-0.240 χ^2/NDF: 2267993.0/47

All: 1867.779+/-0.169 χ^2/NDF: 4103749.8/98

- sign 1863.593+/-0.237 χ^2/NDF: 1835126.9/50

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: -0.936+/-0.418 χ^2/NDF: 334.9/27

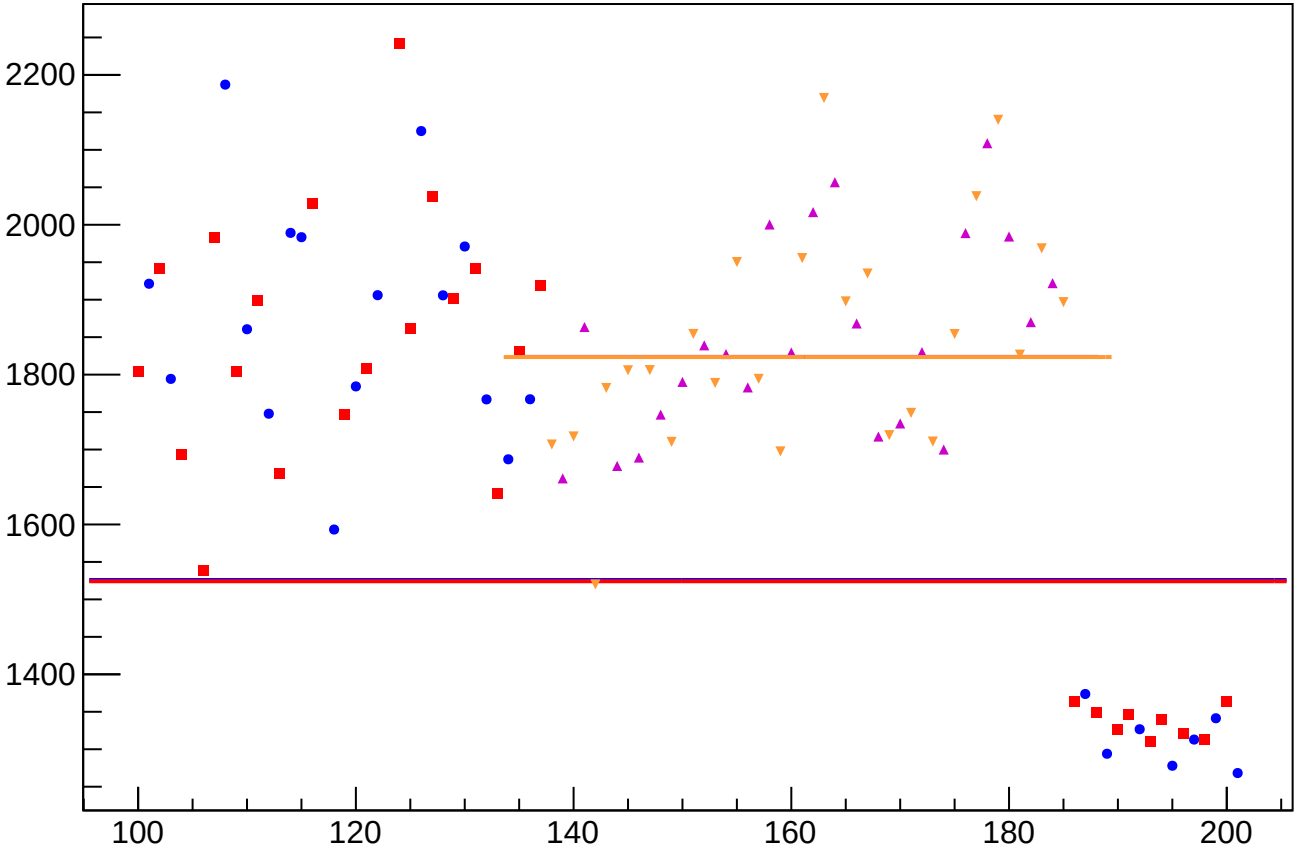
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 11.636+/-0.303 χ^2/NDF: 749.5/47

All: 4.571+/-0.213 χ^2/NDF: 2640.9/98

- sign -2.313+/-0.299 χ^2/NDF: 816.3/50

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: 1524.236+/-0.295 χ^2/NDF: 722400.9/27

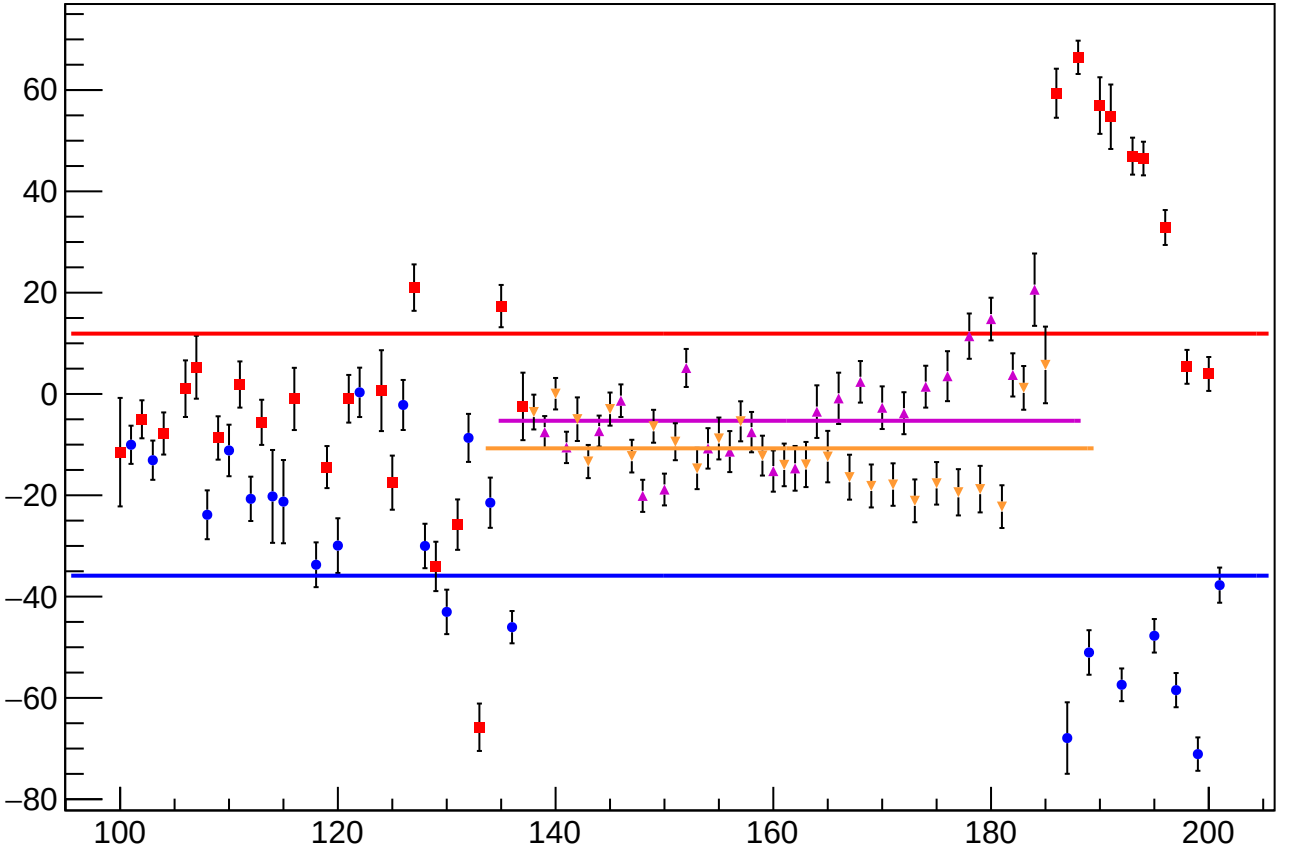
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1683.735+/-0.214 χ^2/NDF: 1470823.5/47

All: 1676.949+/-0.150 χ^2/NDF: 2860461.4/98

- sign 1670.337+/-0.211 χ^2/NDF: 1387654.3/50

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: 11.913+/-0.844 χ^2/NDF: 1341.6/27

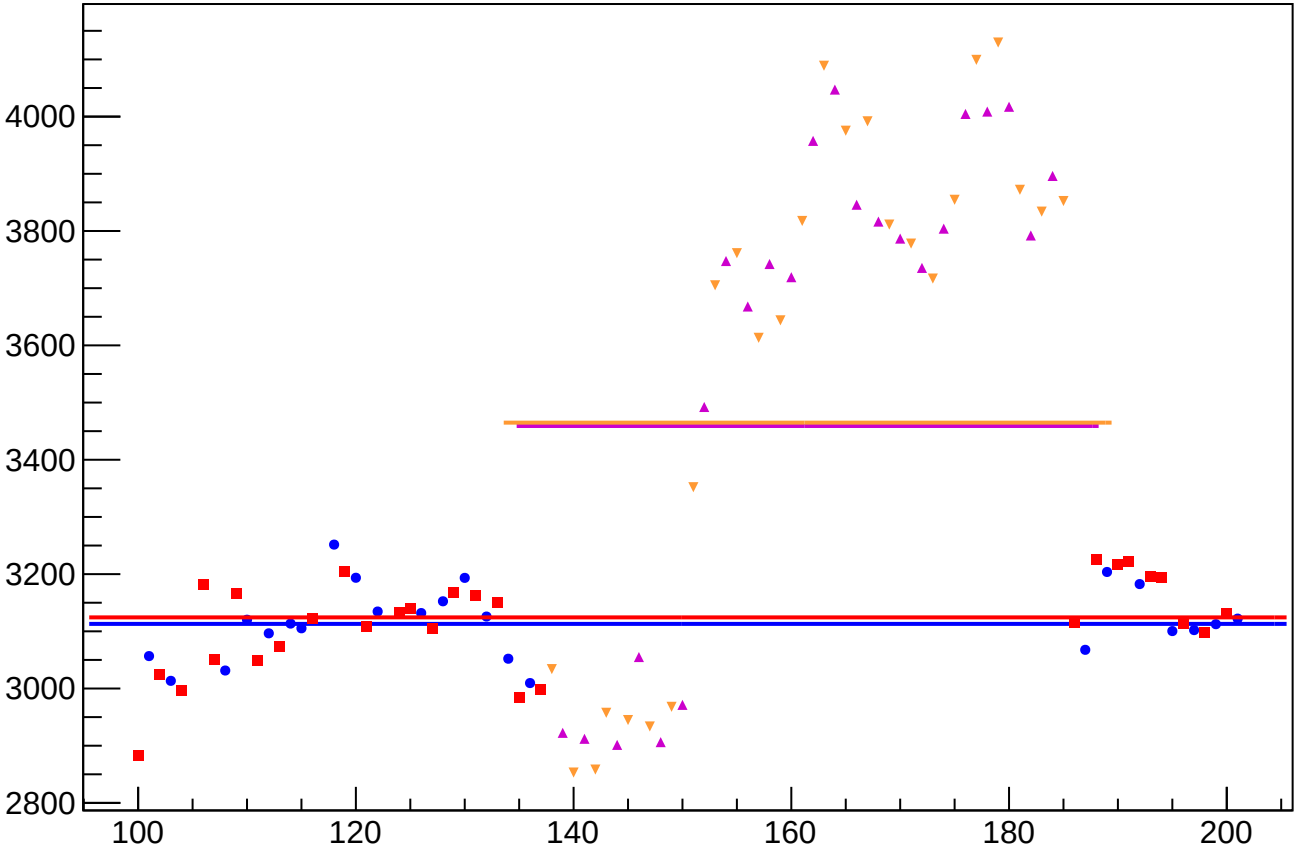
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -21.933+/-0.591 χ^2/NDF: 1058.4/47

All: -9.352+/-0.416 χ^2/NDF: 3646.9/98

- sign 3.008+/-0.586 χ^2/NDF: 1690.5/50

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: 3124.378+/-0.596 χ^2/NDF: 14651.9/27

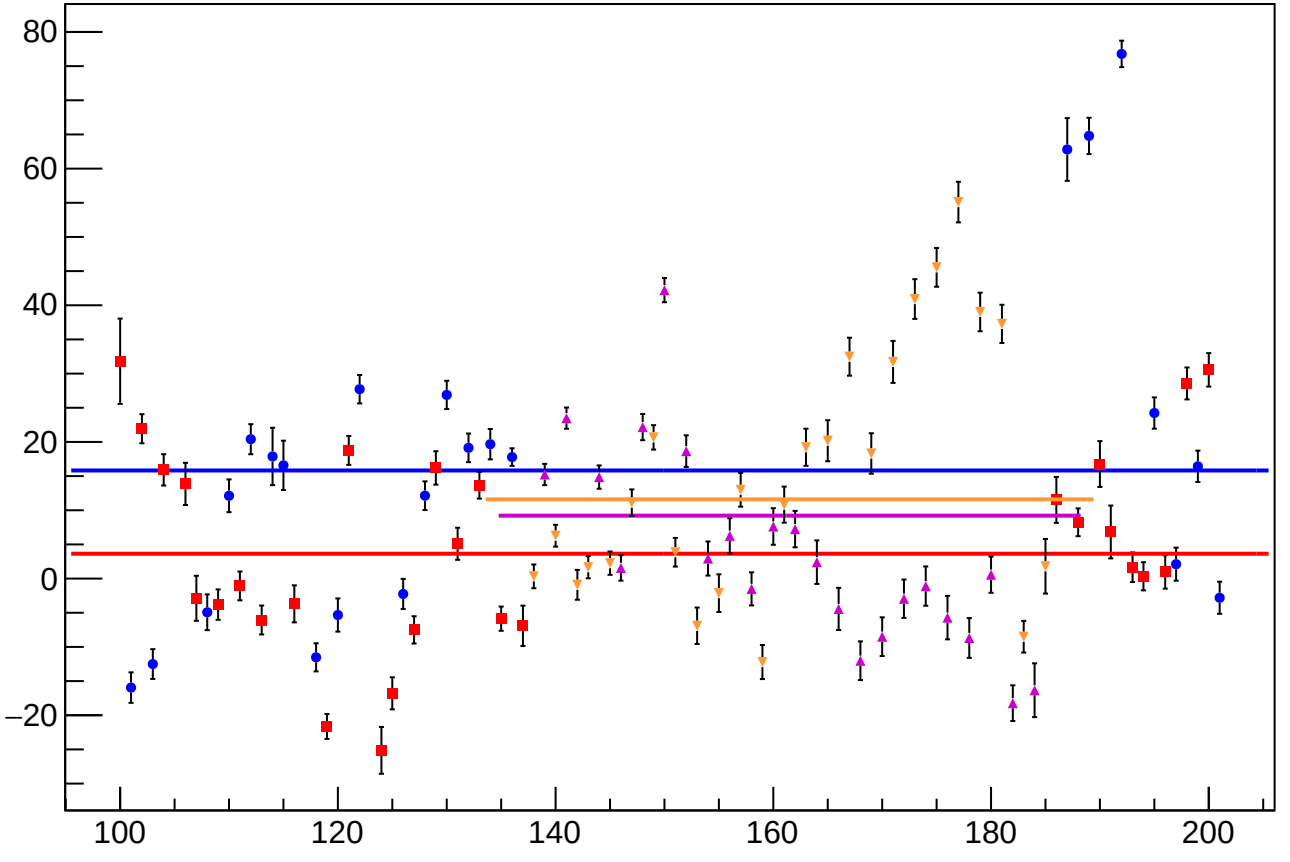
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

\+ sign 3308.110+/-0.418 χ^2/NDF: 829192.4/47

All: 3302.819+/-0.294 χ^2/NDF: 1590421.3/98

\- sign 3297.621+/-0.414 χ^2/NDF: 760911.1/50

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: 3.638+/-0.449 χ^2/NDF: 963.1/27

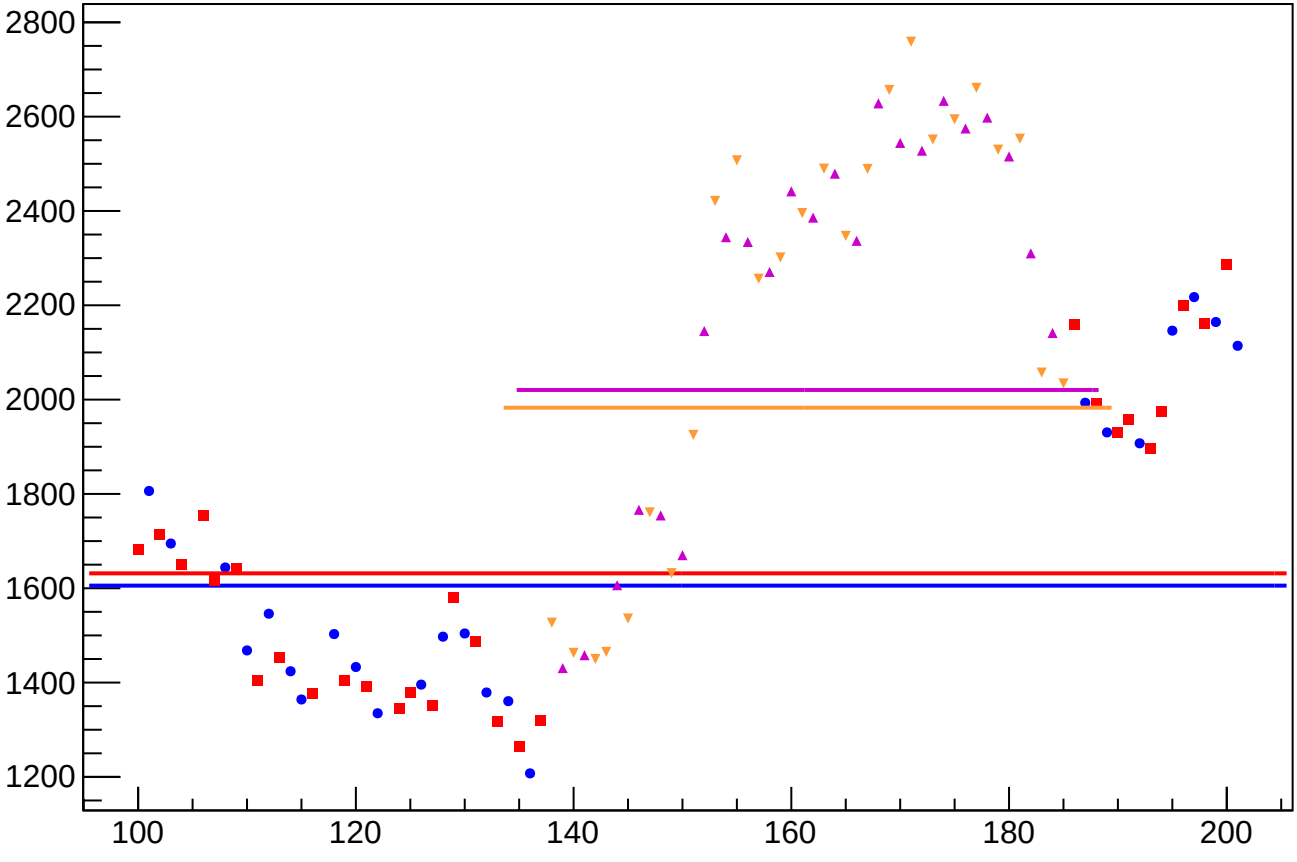
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 13.699+/-0.329 χ^2/NDF: 3616.7/47

All: 9.964+/-0.233 χ^2/NDF: 5850.4/98

\- sign 6.218+/-0.329 χ^2/NDF: 1975.0/50

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

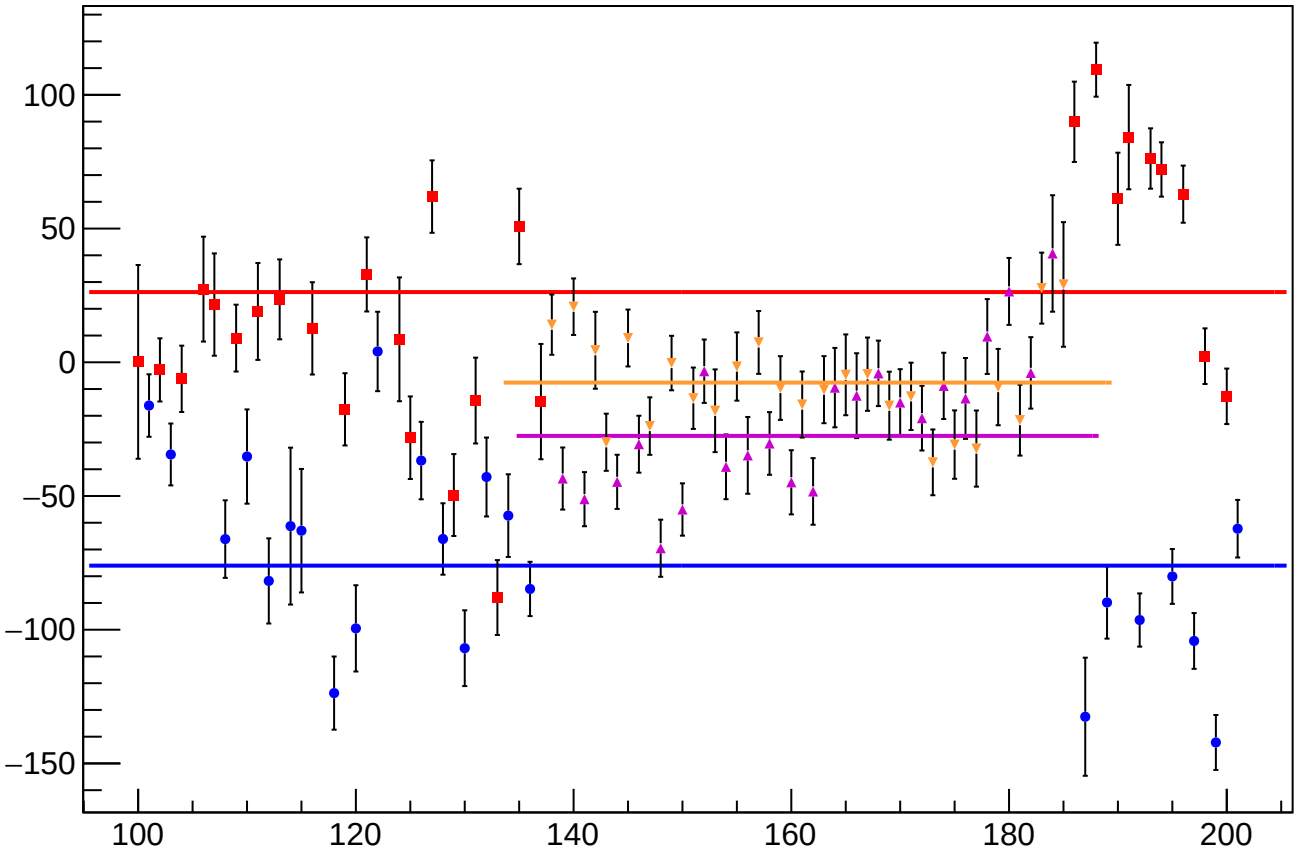
Right Out: 1631.631+/-0.318 χ^2/NDF: 944590.0/27

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1795.337+/-0.232 χ^2/NDF: 3538903.9/47

All: 1803.457+/-0.164 χ^2/NDF: 6794562.8/98

- sign 1811.601+/-0.233 χ^2/NDF: 3253213.6/50



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: 26.256+/-2.628 χ^2/NDF: 320.9/27

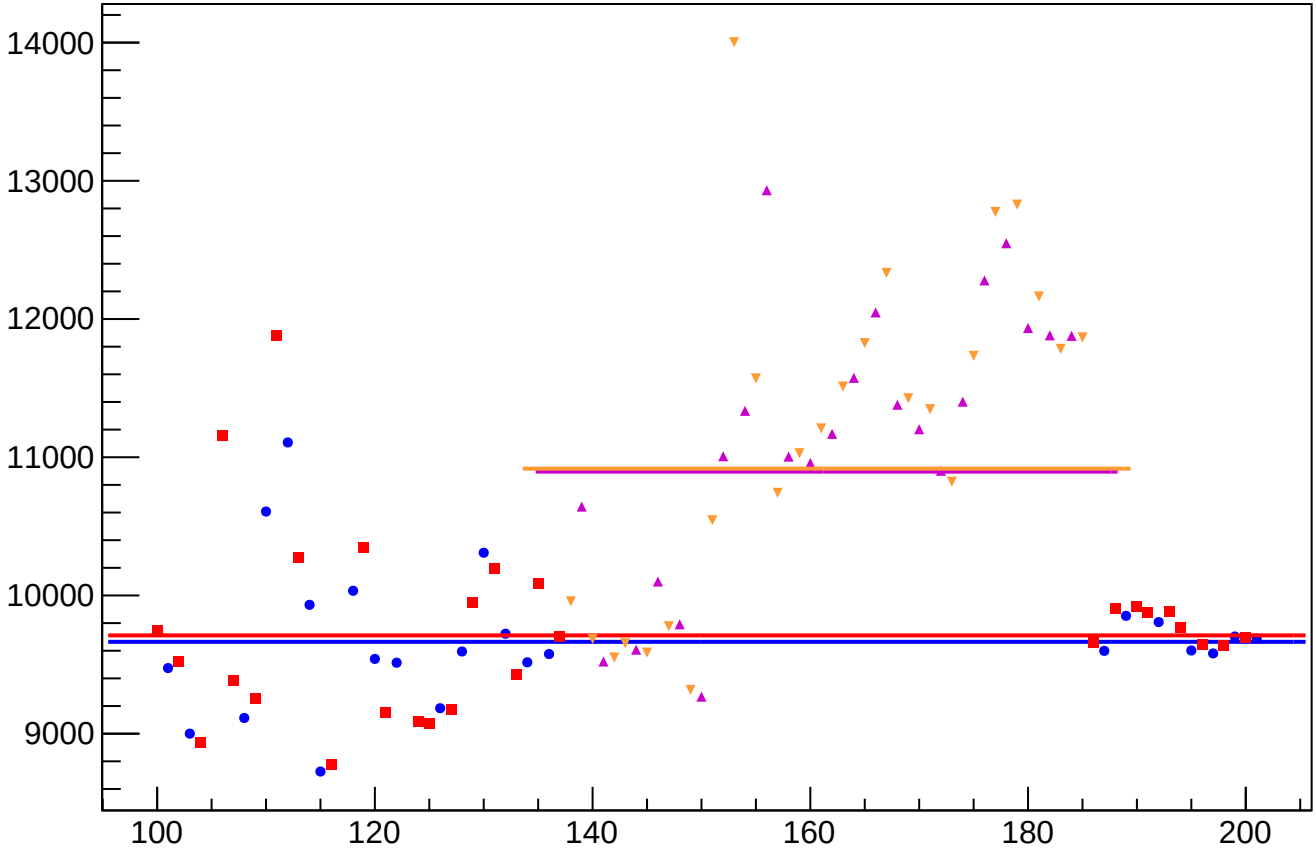
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -38.433+/-1.849 χ^2/NDF: 558.2/47

All: -19.739+/-1.302 χ^2/NDF: 1389.8/98

- sign -1.383+/-1.833 χ^2/NDF: 629.1/50

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: 9711.240+/-1.859 χ^2/NDF: 82080.2/27

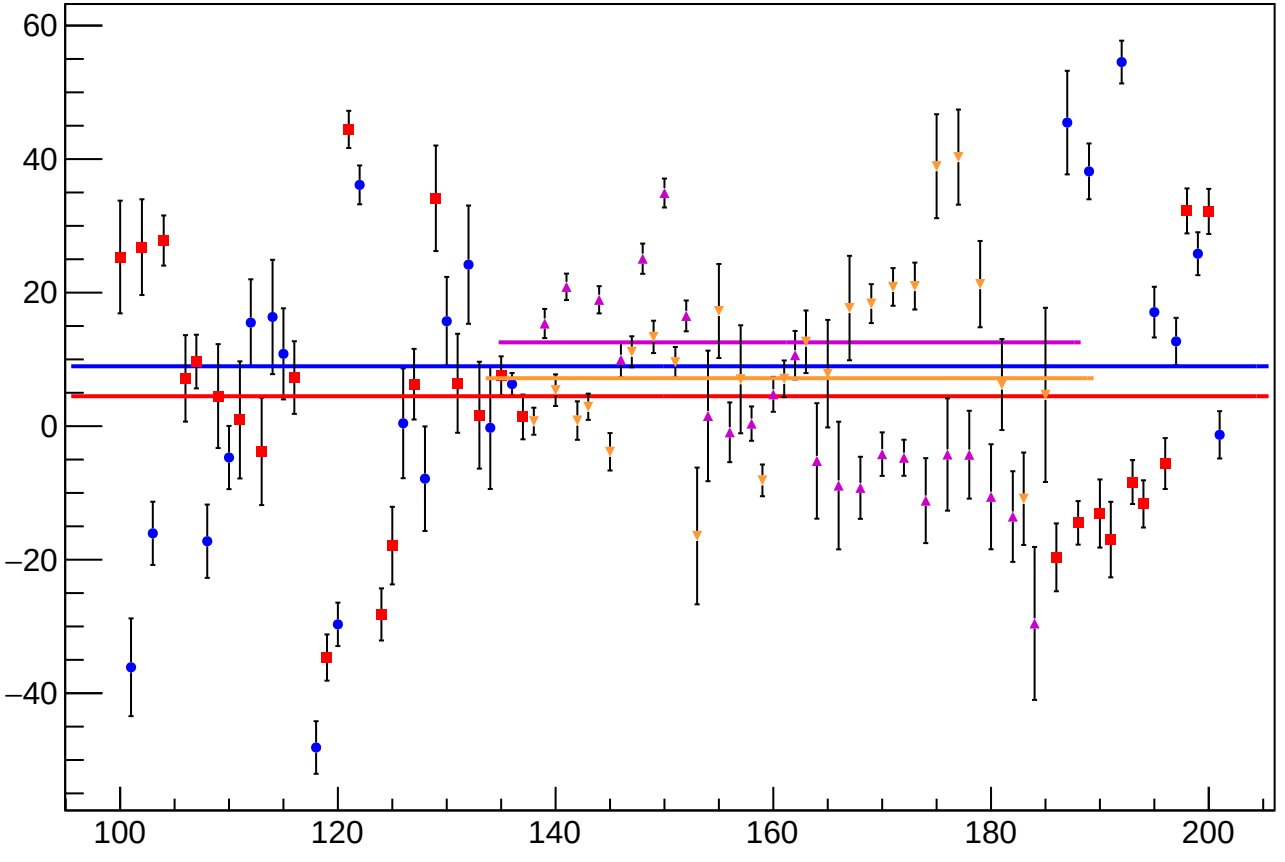
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

\+ sign 10353.054+/-1.308 χ^2/NDF: 698416.1/47

All: 10336.411+/-0.920 χ^2/NDF: 1287680.5/9

\- sign 10320.069+/-1.296 χ^2/NDF: 588943.4/50

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: 4.483+/-0.820 χ^2/NDF: 752.8/27

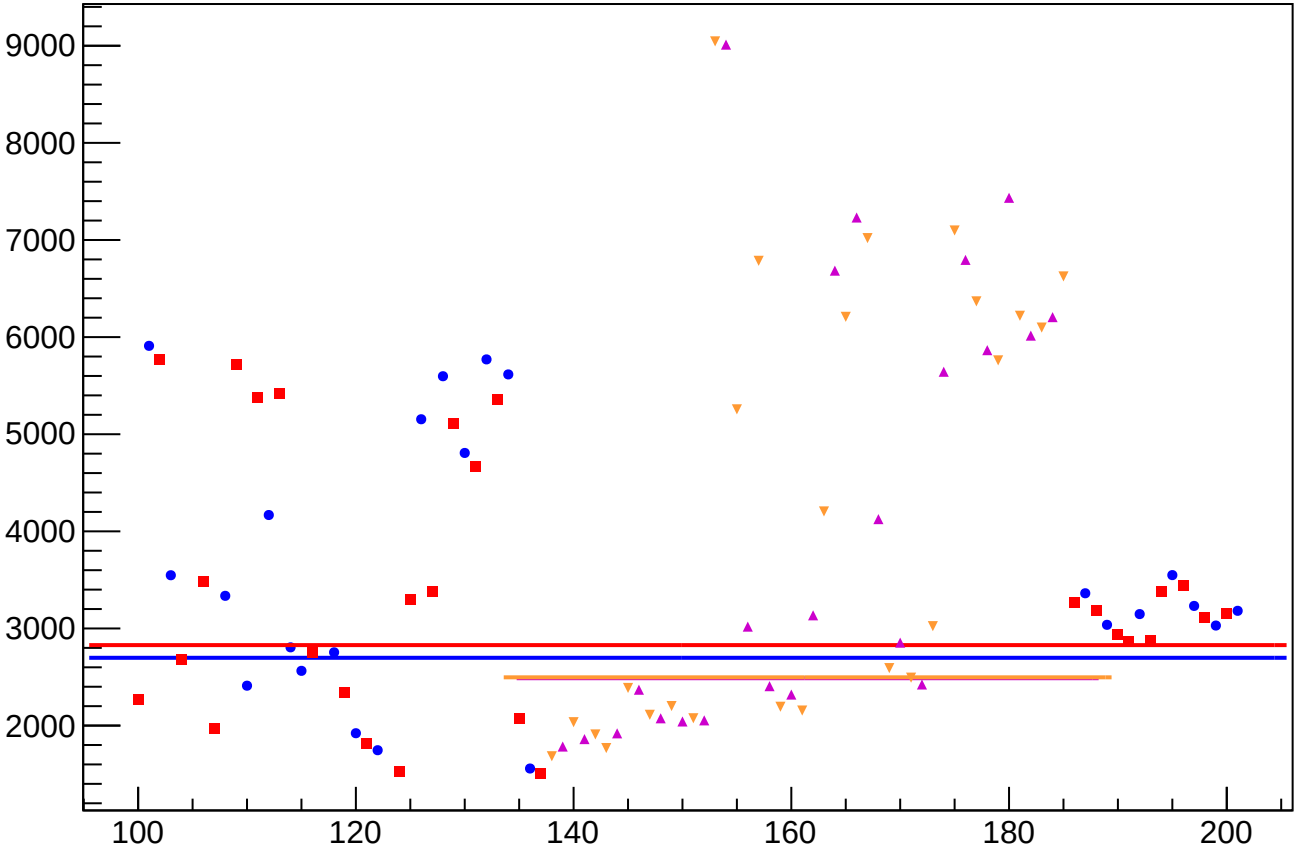
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 7.857+/-0.516 χ^2/NDF: 1070.2/47

All: 8.620+/-0.364 χ^2/NDF: 2258.1/98

- sign 9.378+/-0.514 χ^2/NDF: 1183.6/50

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: 2828.649+/-0.580 χ^2/NDF: 2780707.1/27

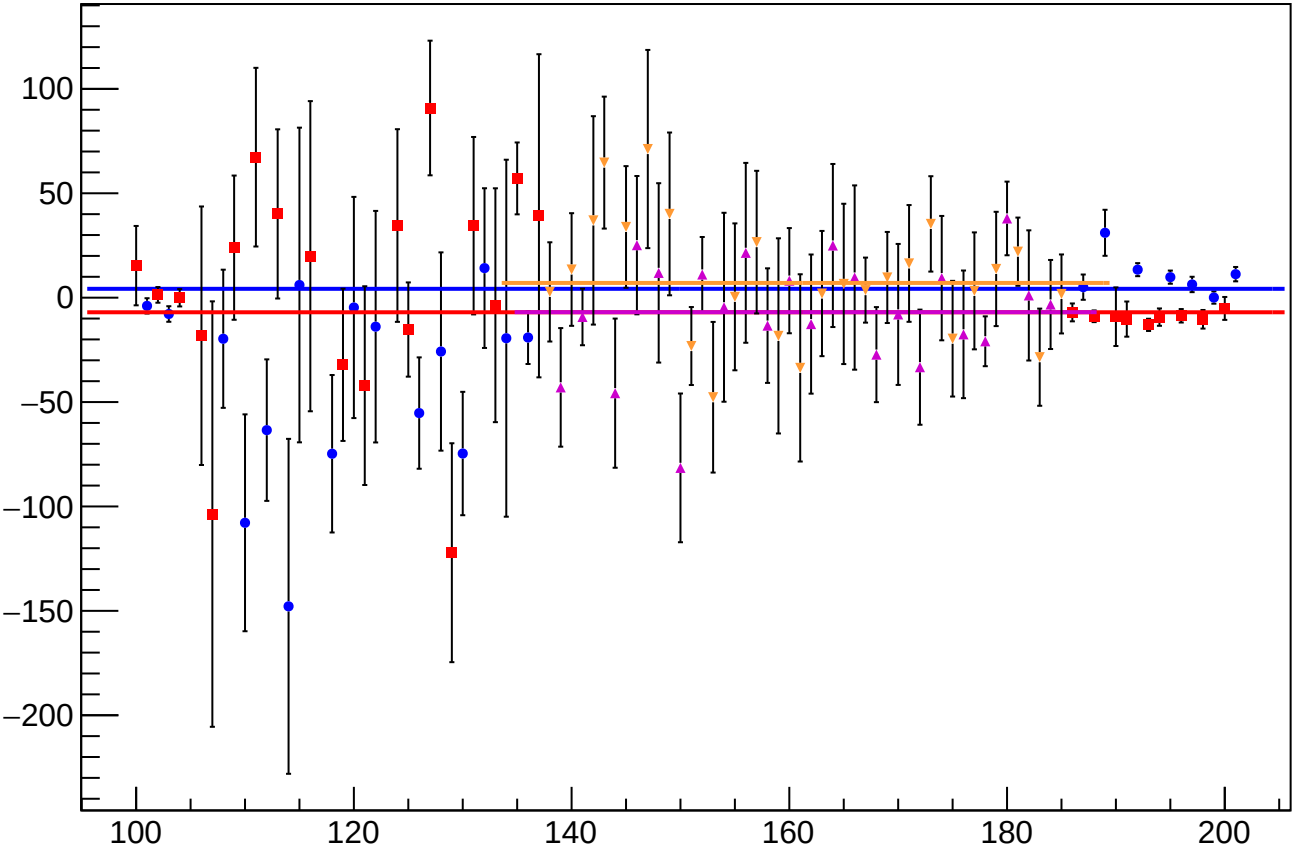
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2572.527+/-0.365 χ^2/NDF: 10498203.6/47

All: 2597.276+/-0.258 χ^2/NDF: 19601174.5/9

- sign 2621.859+/-0.364 χ^2/NDF: 9093806.0/50

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: -6.994+/-1.196 χ^2/NDF: 52.7/27

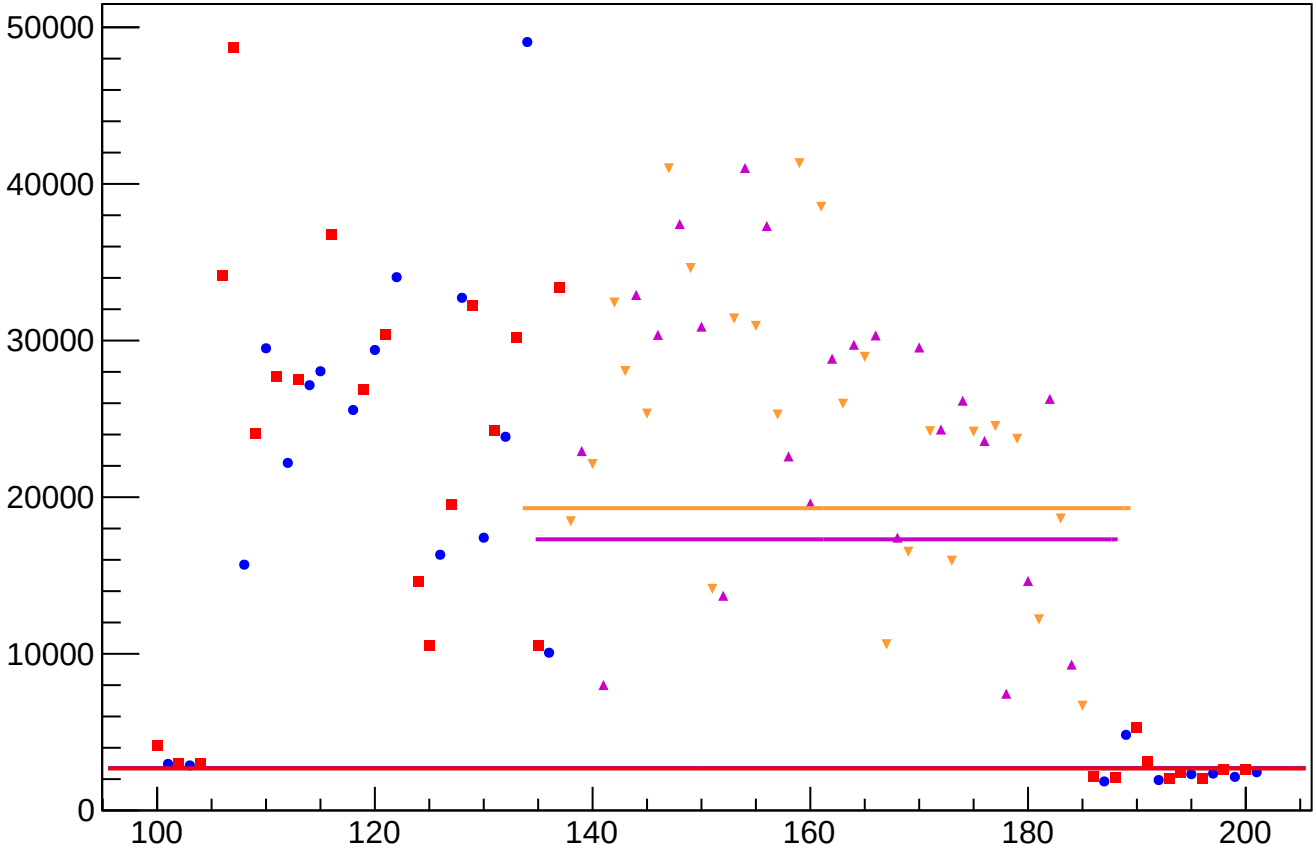
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 4.385+/-1.188 χ^2/NDF: 92.8/47

All: -1.417+/-0.831 χ^2/NDF: 213.4/98

- sign -6.992+/-1.164 χ^2/NDF: 73.8/50

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: 2686.686+/-0.846 χ^2/NDF: 8796685.6/27

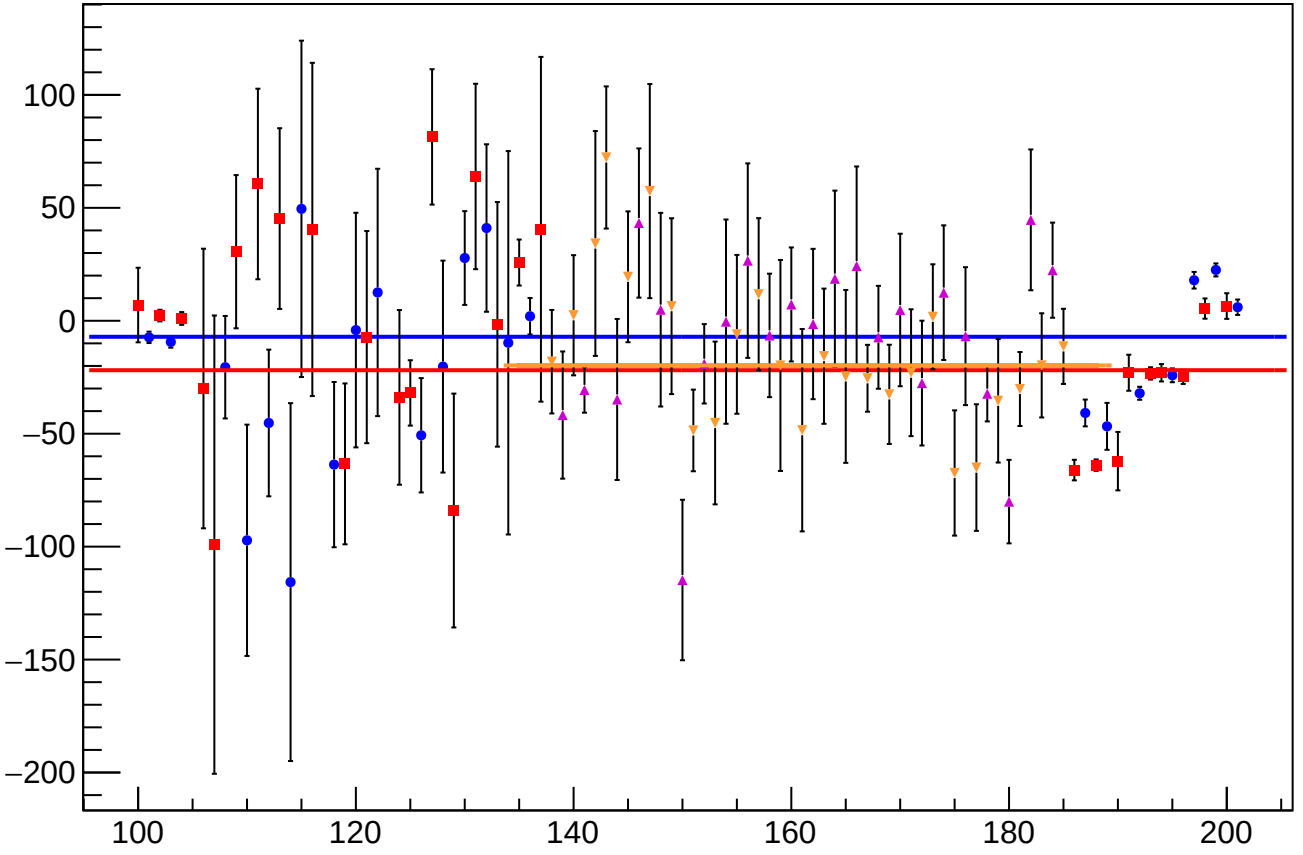
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

\+ sign 3553.625+/-0.840 χ^2/NDF: 32038006.7/47

All: 3501.484+/-0.588 χ^2/NDF: 63201666.7/9

\- sign 3451.385+/-0.823 χ^2/NDF: 31156100.6/50

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

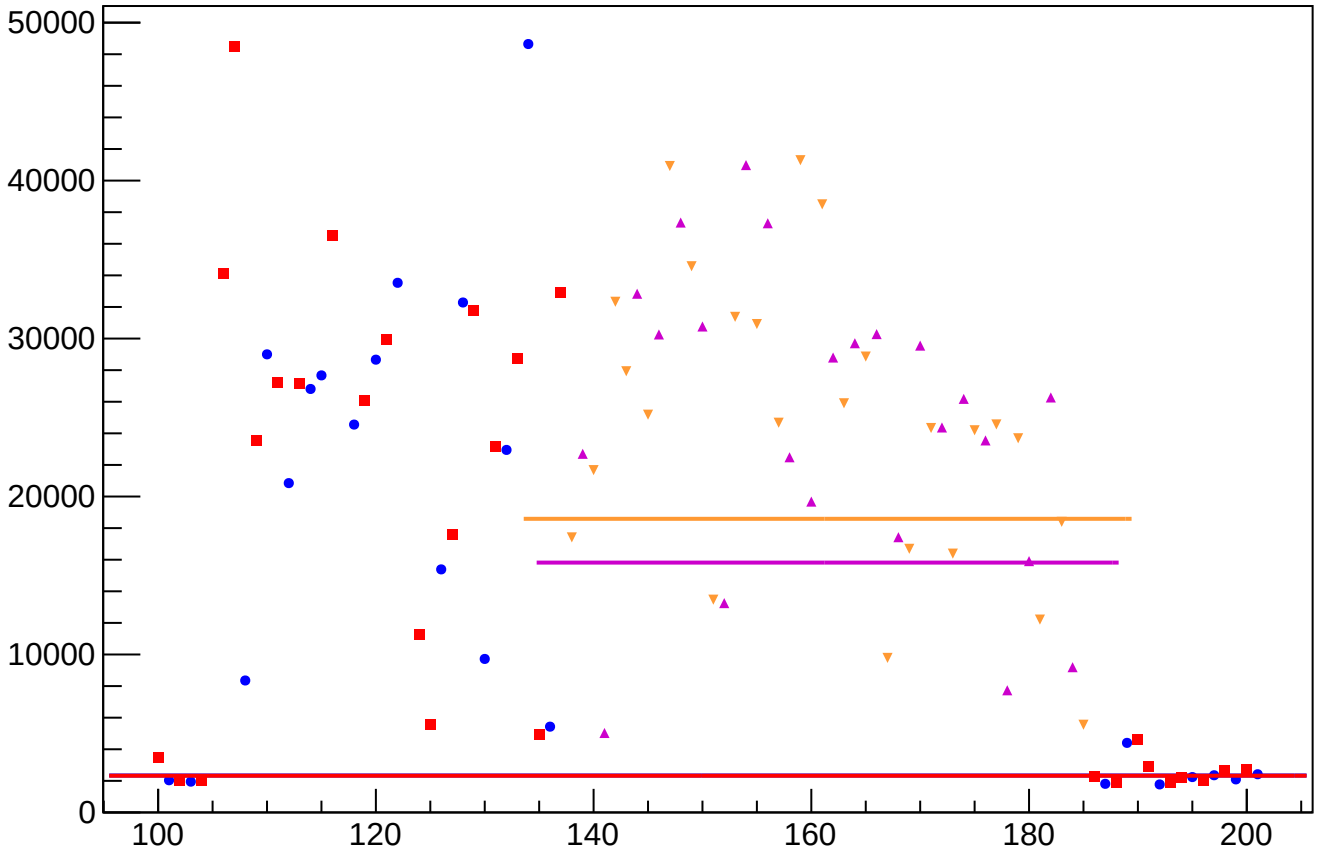
Right Out: -21.885+/-1.046 χ^2/NDF: 653.3/27

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -7.609+/-1.042 χ^2/NDF: 372.9/47

All: -14.835+/-0.730 χ^2/NDF: 1161.1/98

- sign -21.793+/-1.023 χ^2/NDF: 693.8/50



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: 2325.572+/-0.740 χ^2/NDF: 8322335.3/27

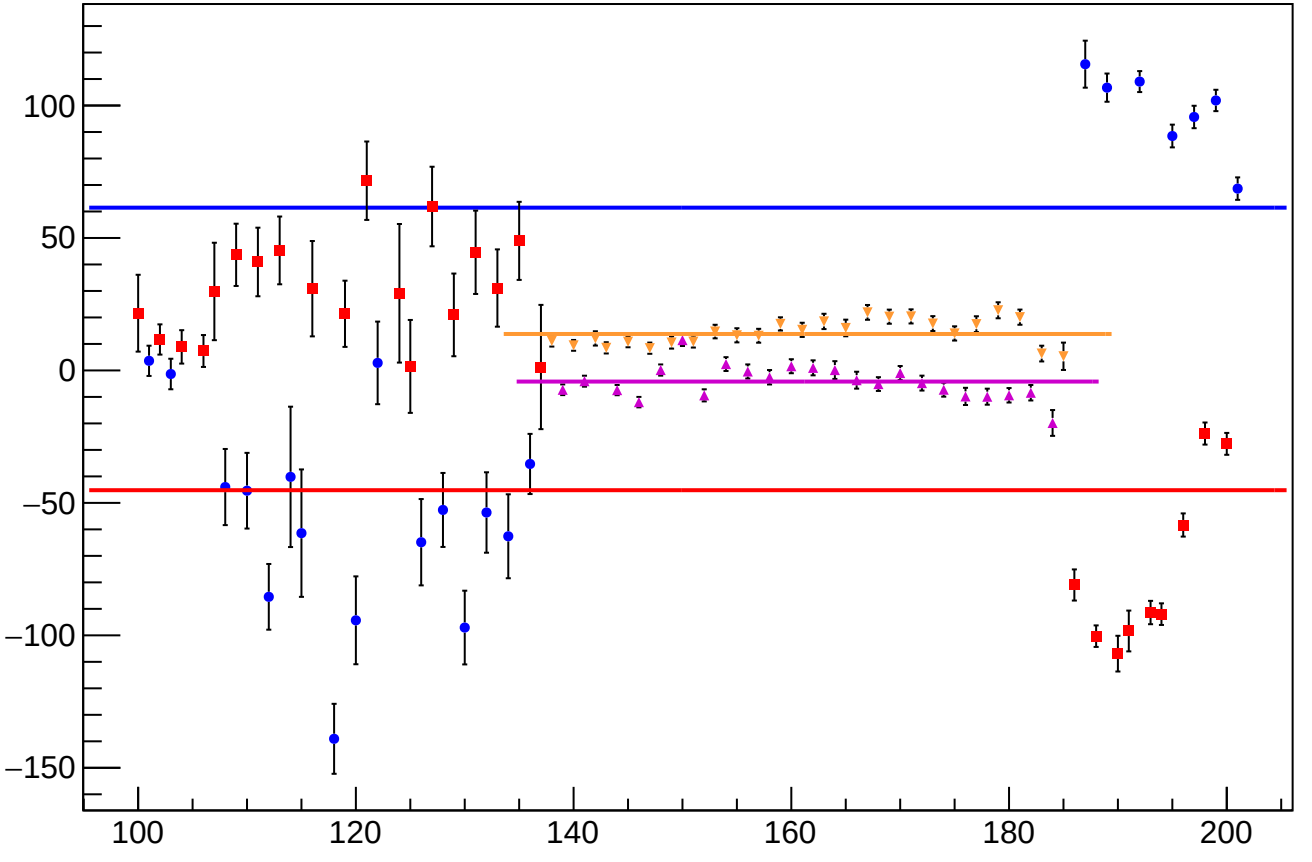
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 3013.945+/-0.737 χ^2/NDF: 32058852.0/47

All: 2969.398+/-0.516 χ^2/NDF: 63610462.1/9

- sign 2926.500+/-0.723 χ^2/NDF: 31544436.0/50

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: -45.209+/-1.335 χ^2/NDF: 1382.5/27

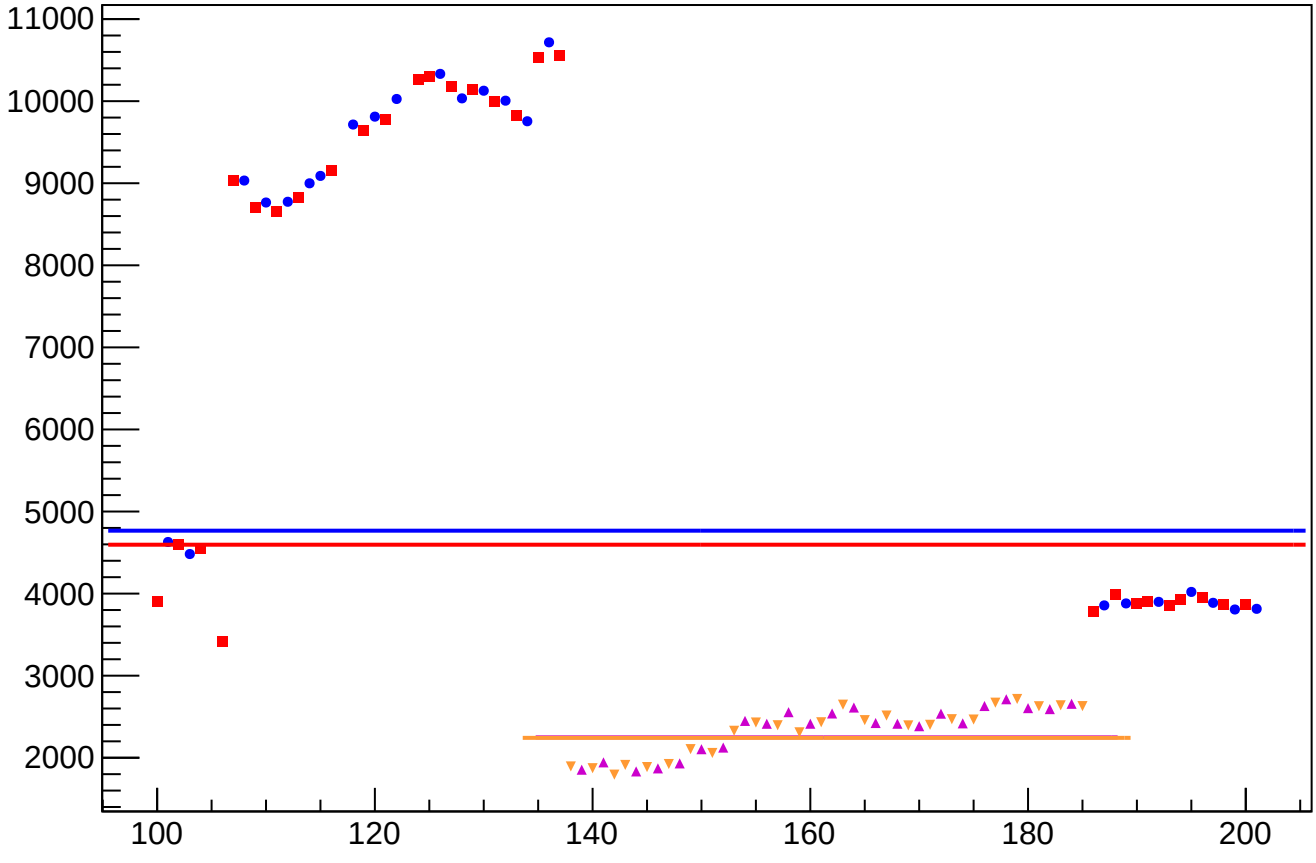
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 18.957+/-0.485 χ^2/NDF: 2770.9/47

All: 4.804+/-0.346 χ^2/NDF: 6820.5/98

- sign -9.787+/-0.493 χ^2/NDF: 2321.6/50

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: 4595.722+/-0.944 χ^2/NDF: 3738854.6/27

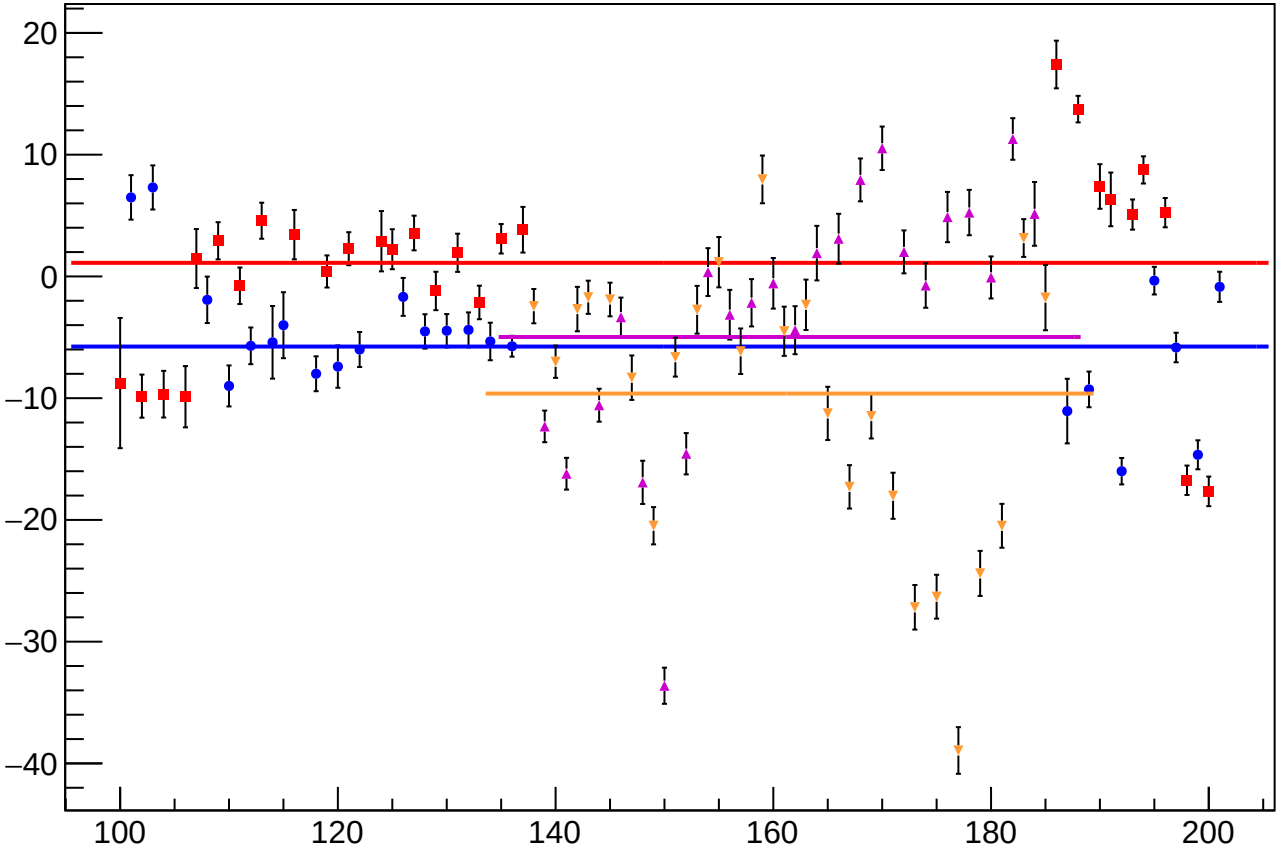
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2517.394+/-0.343 χ^2/NDF: 9604683.2/47

All: 2542.437+/-0.244 χ^2/NDF: 19337510.7/9

- sign 2568.254+/-0.348 χ^2/NDF: 9722007.0/50

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: 1.115+/-0.288 χ^2/NDF: 866.6/27

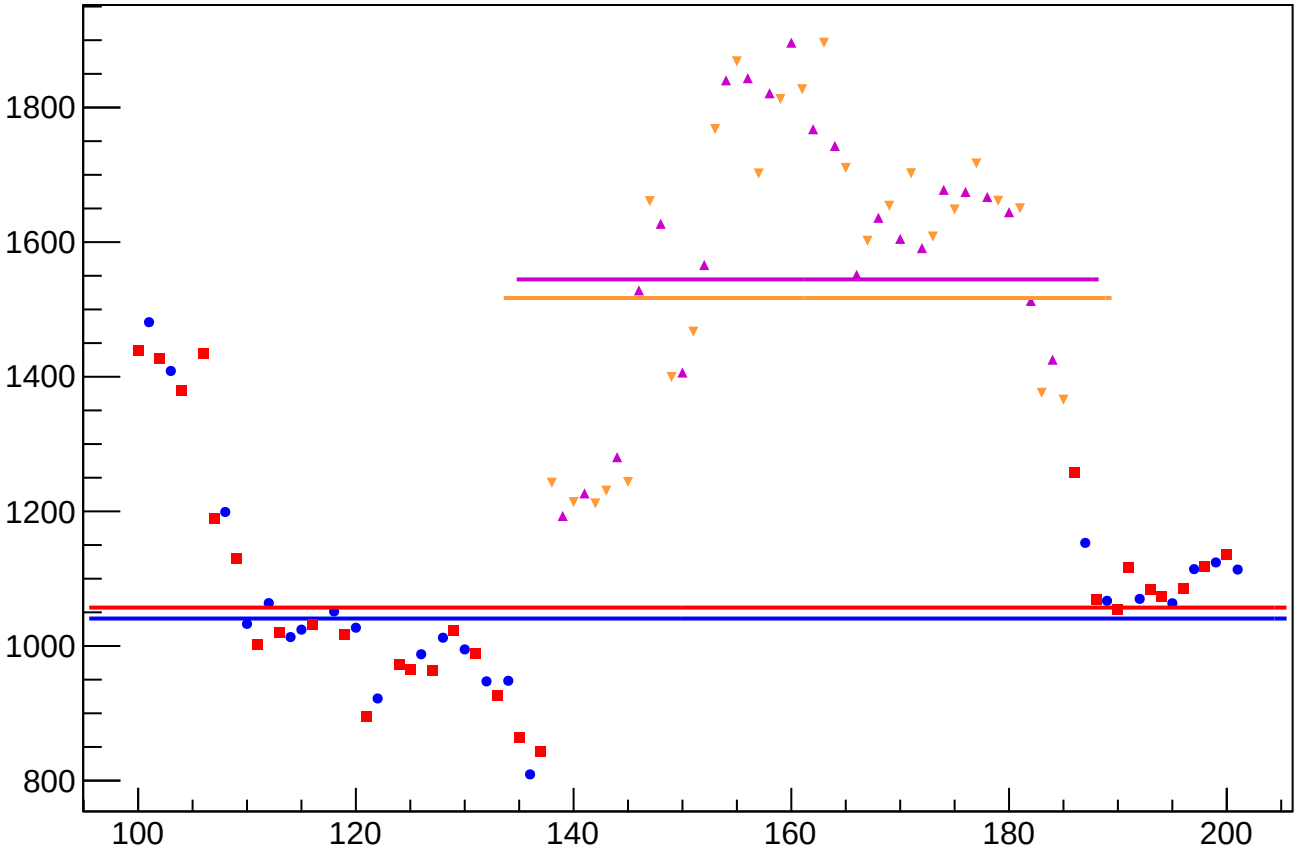
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.393+/-0.227 χ^2/NDF: 1315.8/47

All: -4.291+/-0.160 χ^2/NDF: 3655.8/98

- sign -1.221+/-0.226 χ^2/NDF: 1968.3/50

diff_bpm0l04Y_rms vs Slug



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: 1057.069+/-0.203 χ^2/NDF: 398845.3/27

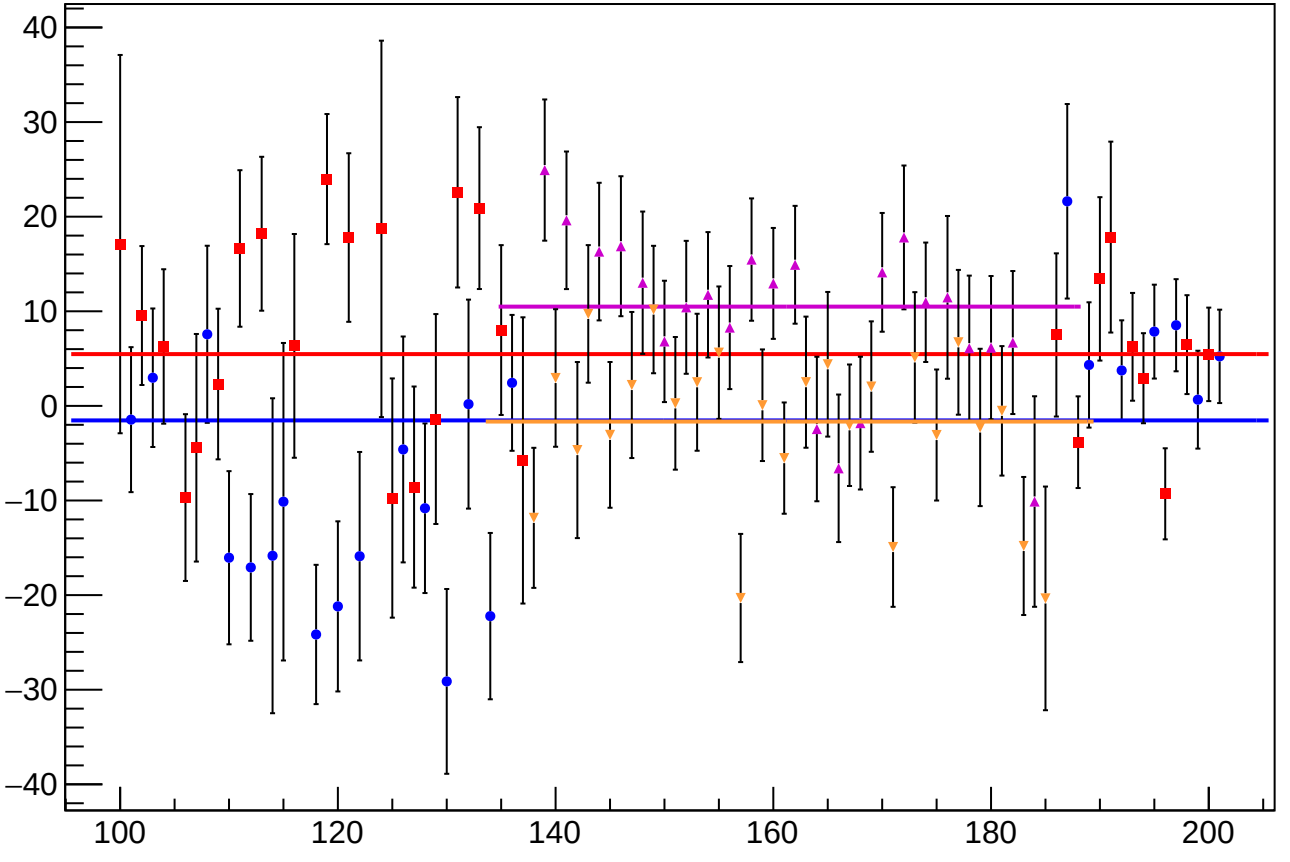
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1242.123+/-0.161 χ^2/NDF: 3405294.8/47

All: 1243.106+/-0.113 χ^2/NDF: 6647259.6/98

- sign 1244.078+/-0.160 χ^2/NDF: 3241890.2/50

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

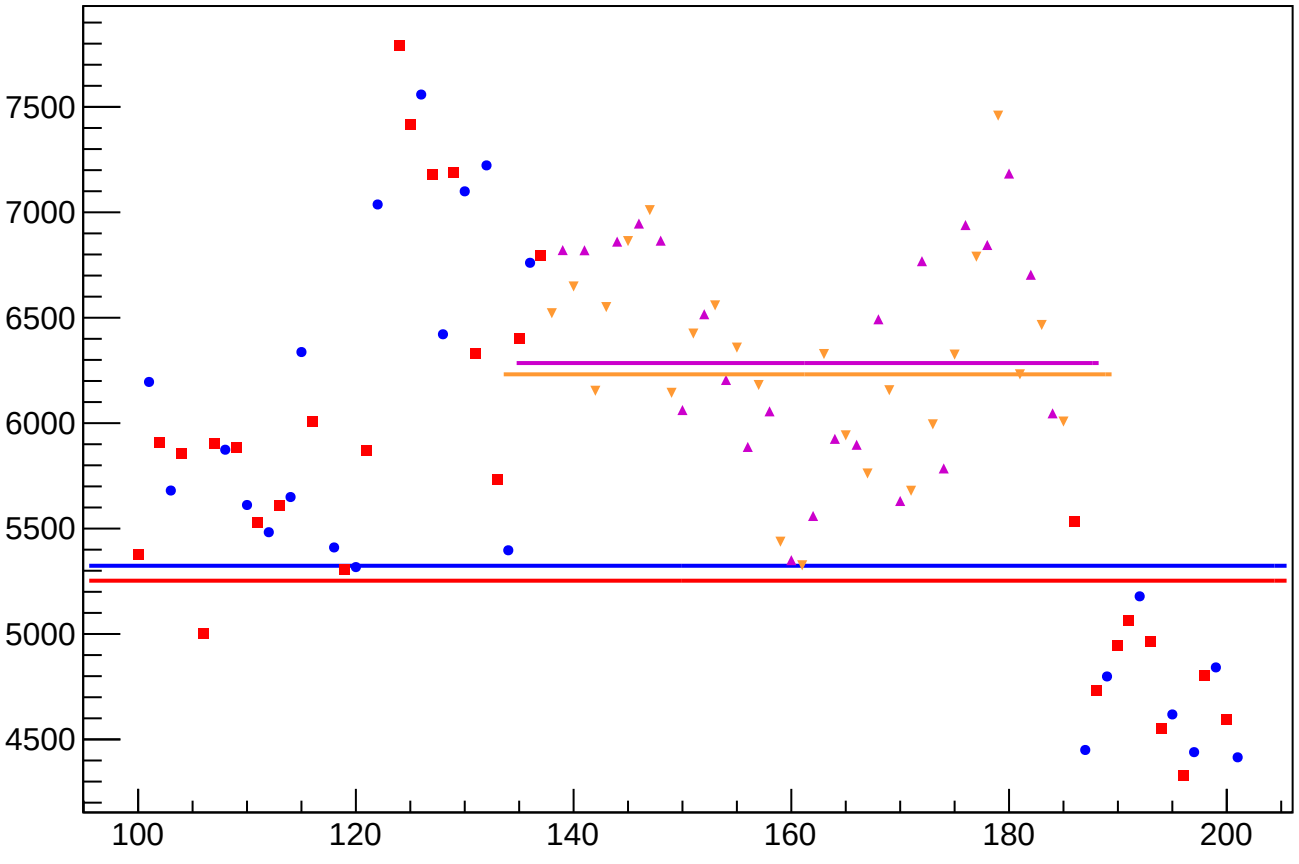
Right Out: 5.474+/-1.438 χ^2/NDF: 44.5/27

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -1.599+/-1.047 χ^2/NDF: 88.0/47

All: 3.226+/-0.735 χ^2/NDF: 205.3/98

- sign 7.912+/-1.031 χ^2/NDF: 75.4/50



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: 5252.791+/-1.017 χ^2/NDF: 572037.9/27

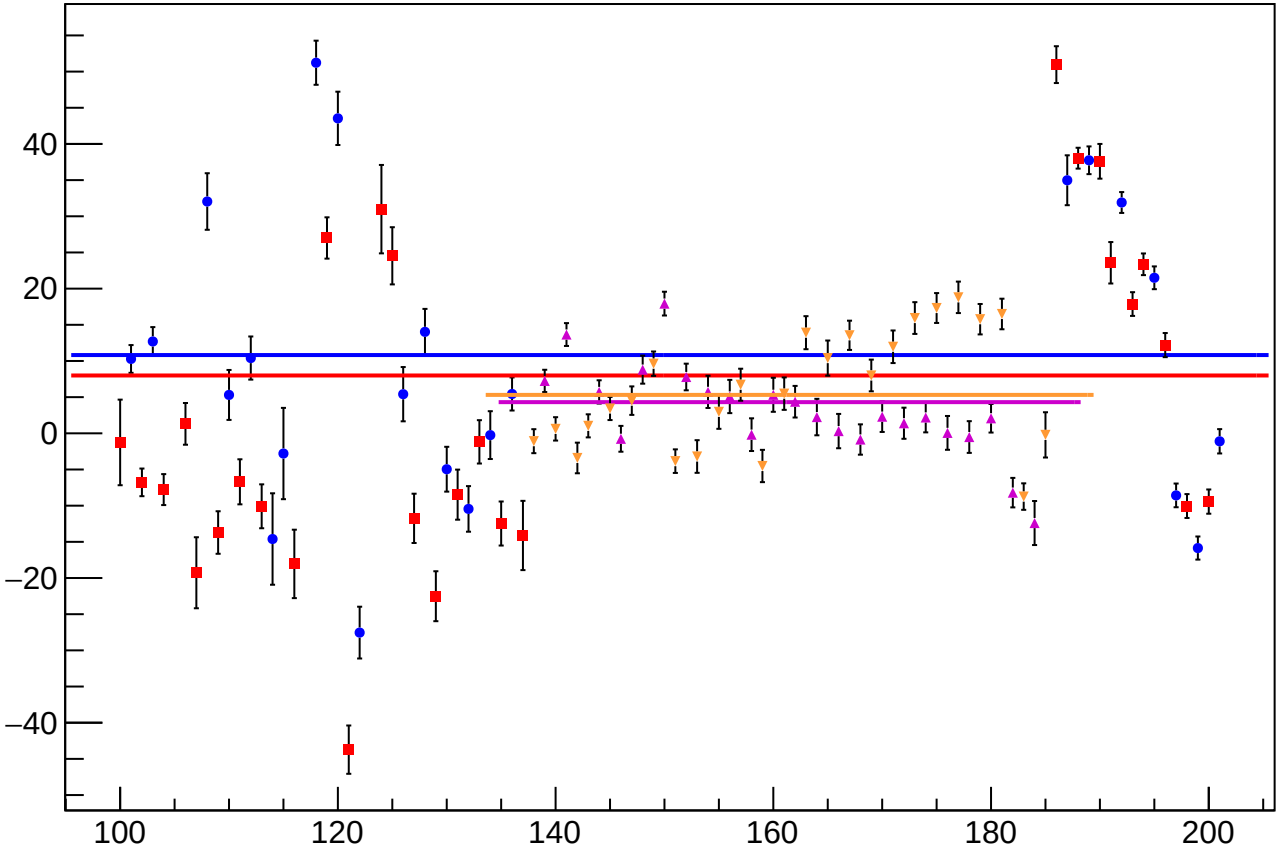
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5812.454+/-0.740 χ^2/NDF: 1223695.2/47

All: 5782.977+/-0.519 χ^2/NDF: 2564635.3/98

- sign 5754.344+/-0.729 χ^2/NDF: 1337812.1/50

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: 7.995+/-0.461 χ^2/NDF: 2098.2/27

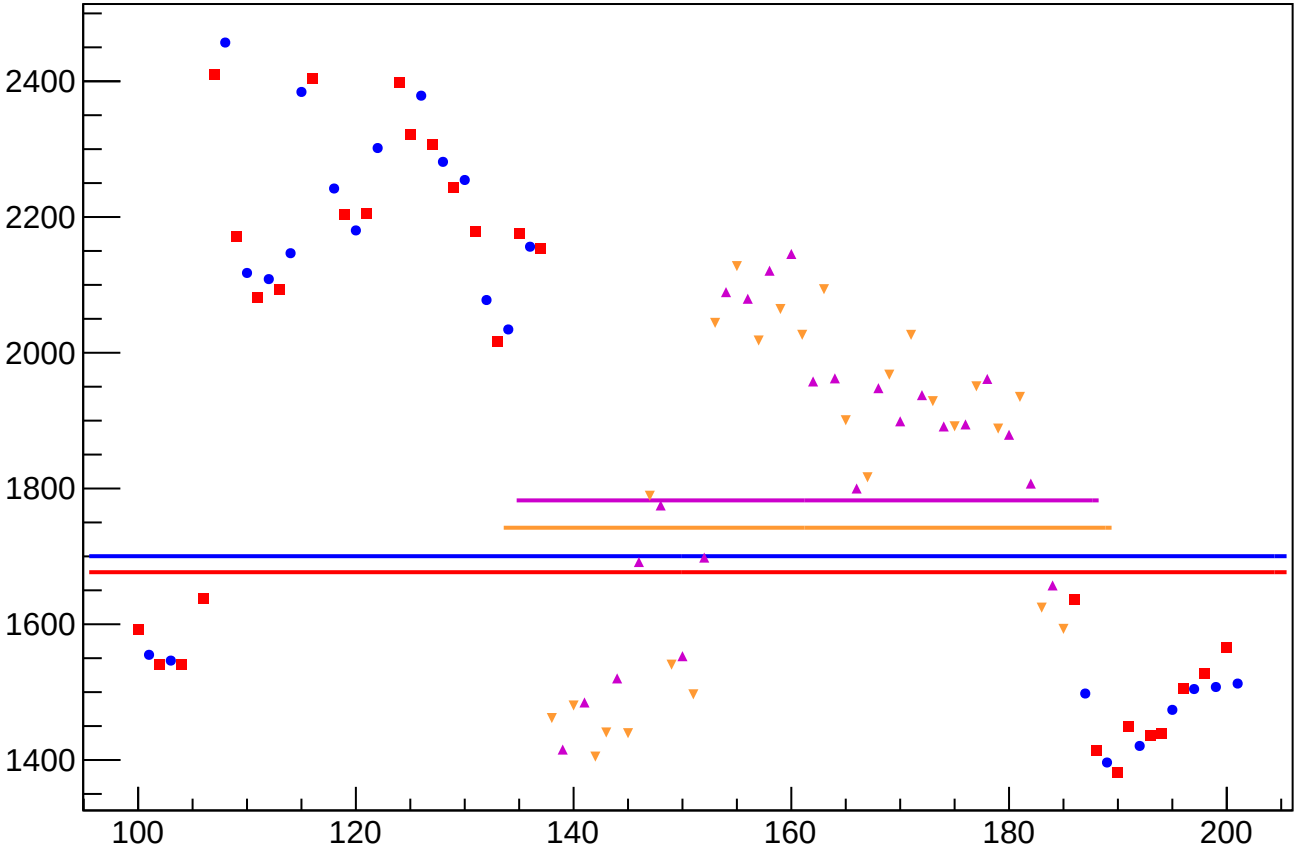
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 7.501+/-0.311 χ^2/NDF: 1943.5/47

All: 6.741+/-0.220 χ^2/NDF: 4309.0/98

- sign 5.982+/-0.310 χ^2/NDF: 2353.5/50

diff_bpm0l05Y_rms vs Slug



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: 1676.698+/-0.326 χ^2/NDF: 951793.8/27

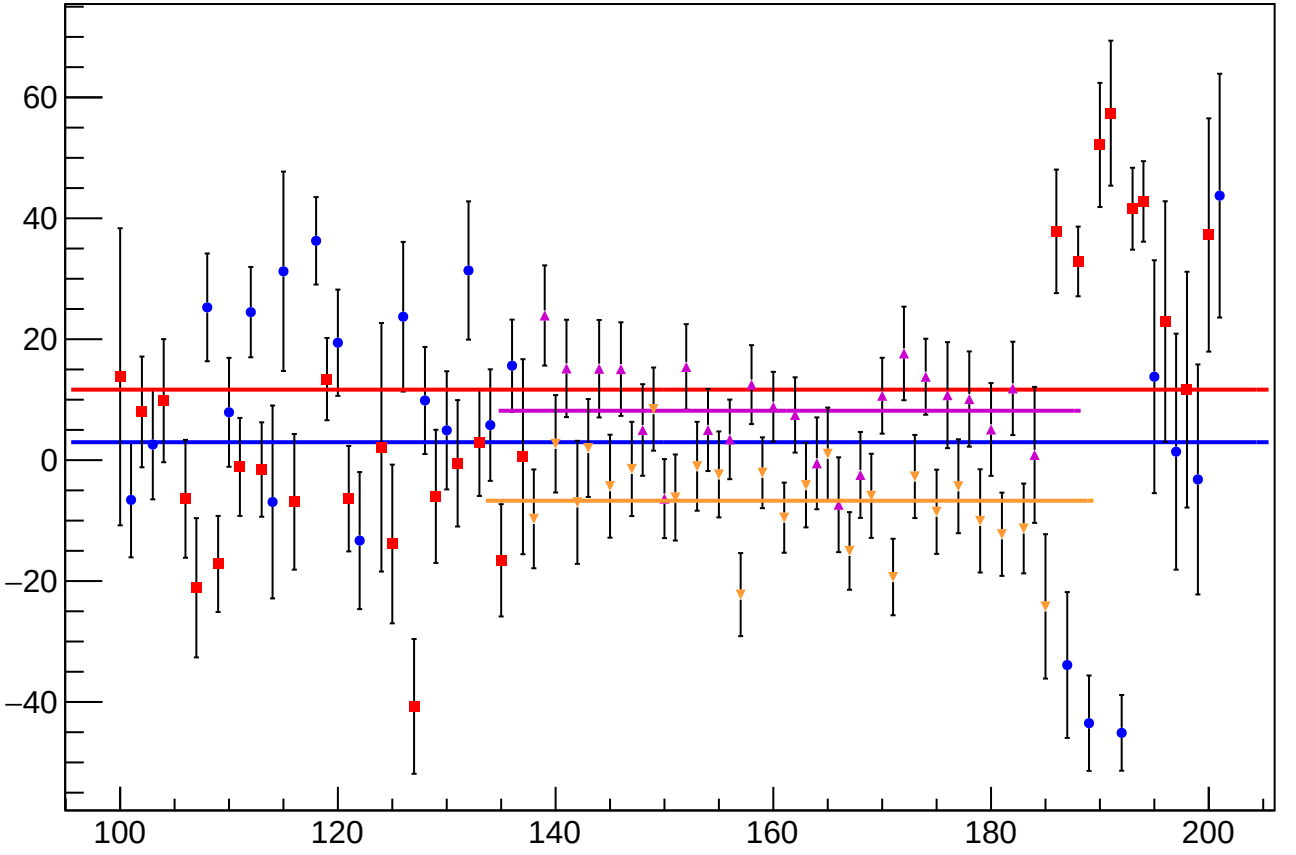
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1725.553+/-0.220 χ^2/NDF: 1710025.3/47

All: 1730.030+/-0.155 χ^2/NDF: 3254586.3/98

- sign 1734.497+/-0.220 χ^2/NDF: 1543732.0/50

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: 11.661+/-1.820 χ^2/NDF: 171.7/27

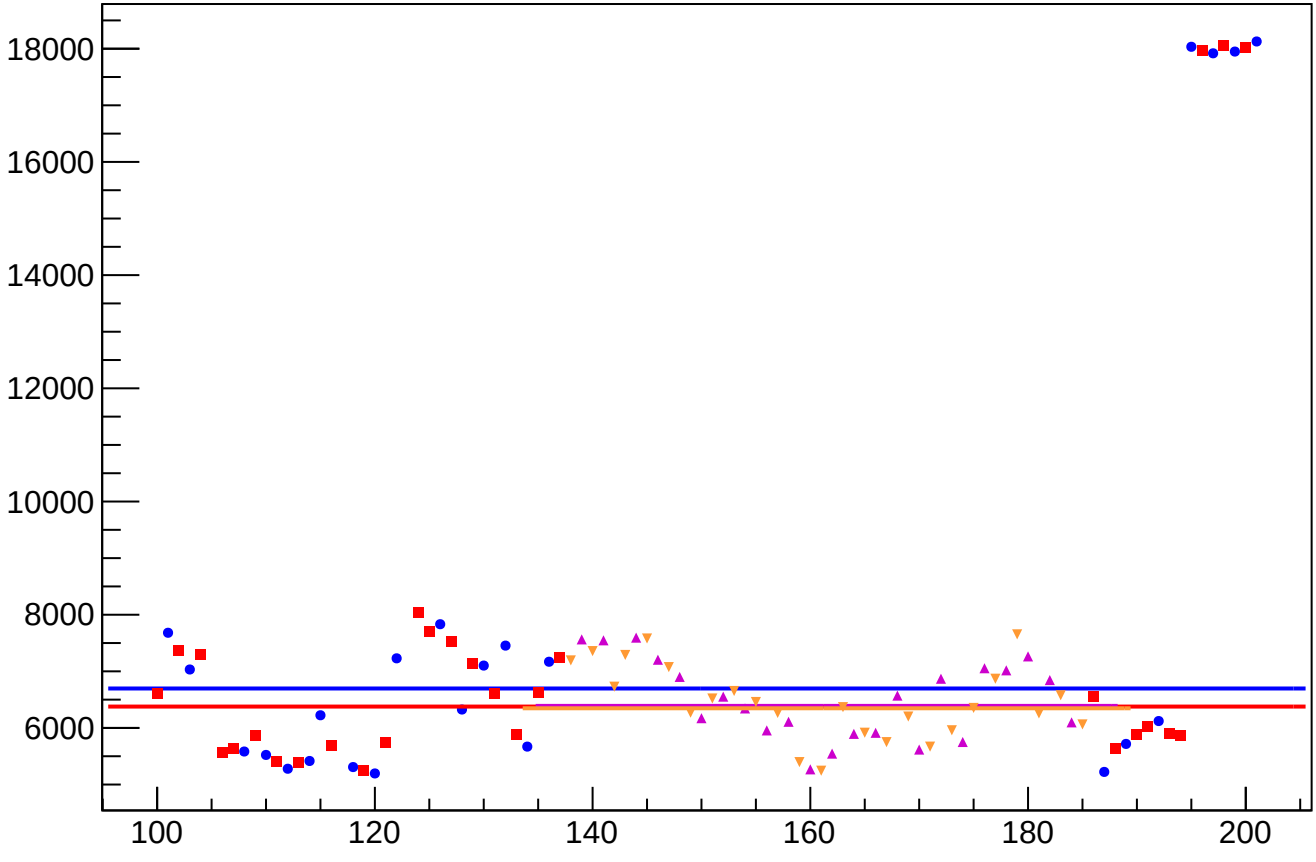
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.453+/-1.187 χ^2/NDF: 206.5/47

All: 3.209+/-0.830 χ^2/NDF: 466.2/98

- sign 9.594+/-1.162 χ^2/NDF: 198.0/50

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: 6377.523+/-1.287 χ^2/NDF: 2469732.8/27

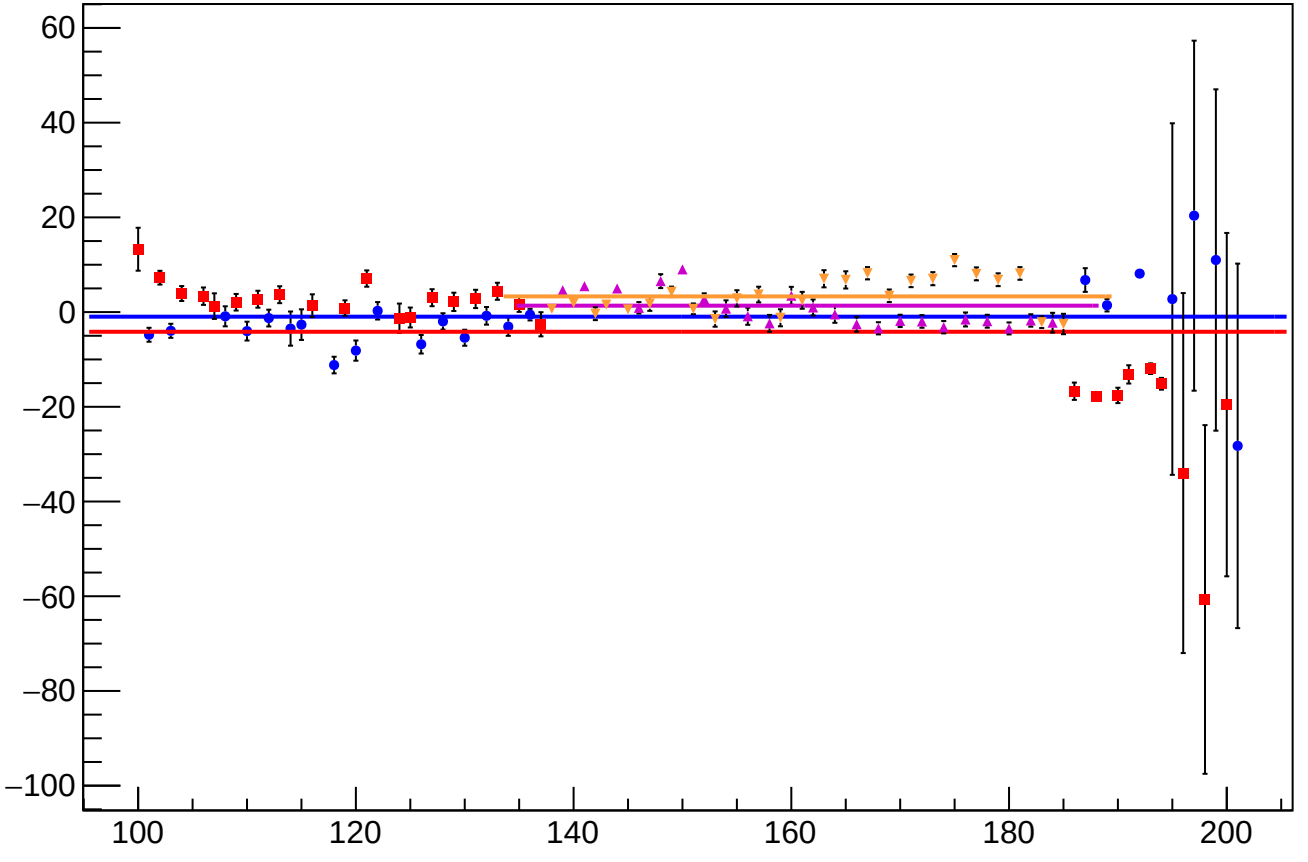
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6465.017+/-0.839 χ^2/NDF: 3576828.3/47

All: 6423.938+/-0.587 χ^2/NDF: 6471057.0/98

- sign 6384.574+/-0.822 χ^2/NDF: 2889539.8/50

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: -4.154+/-0.342 χ^2/NDF: 747.6/27

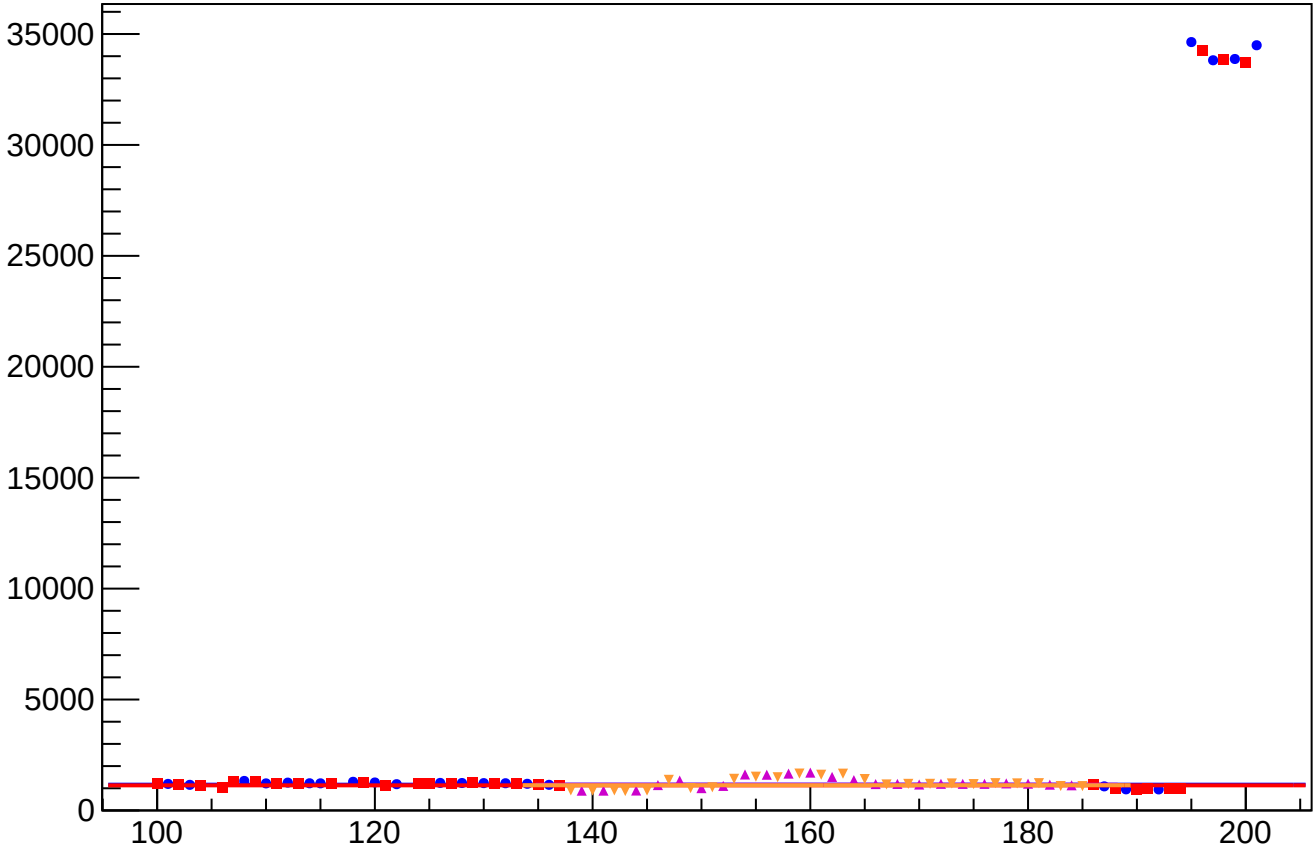
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.944+/-0.218 χ^2/NDF: 441.4/47

All: 0.541+/-0.153 χ^2/NDF: 1623.7/98

- sign -0.824+/-0.215 χ^2/NDF: 1100.6/50

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: 1131.649+/-0.242 χ^2/NDF: 4934751.0/27

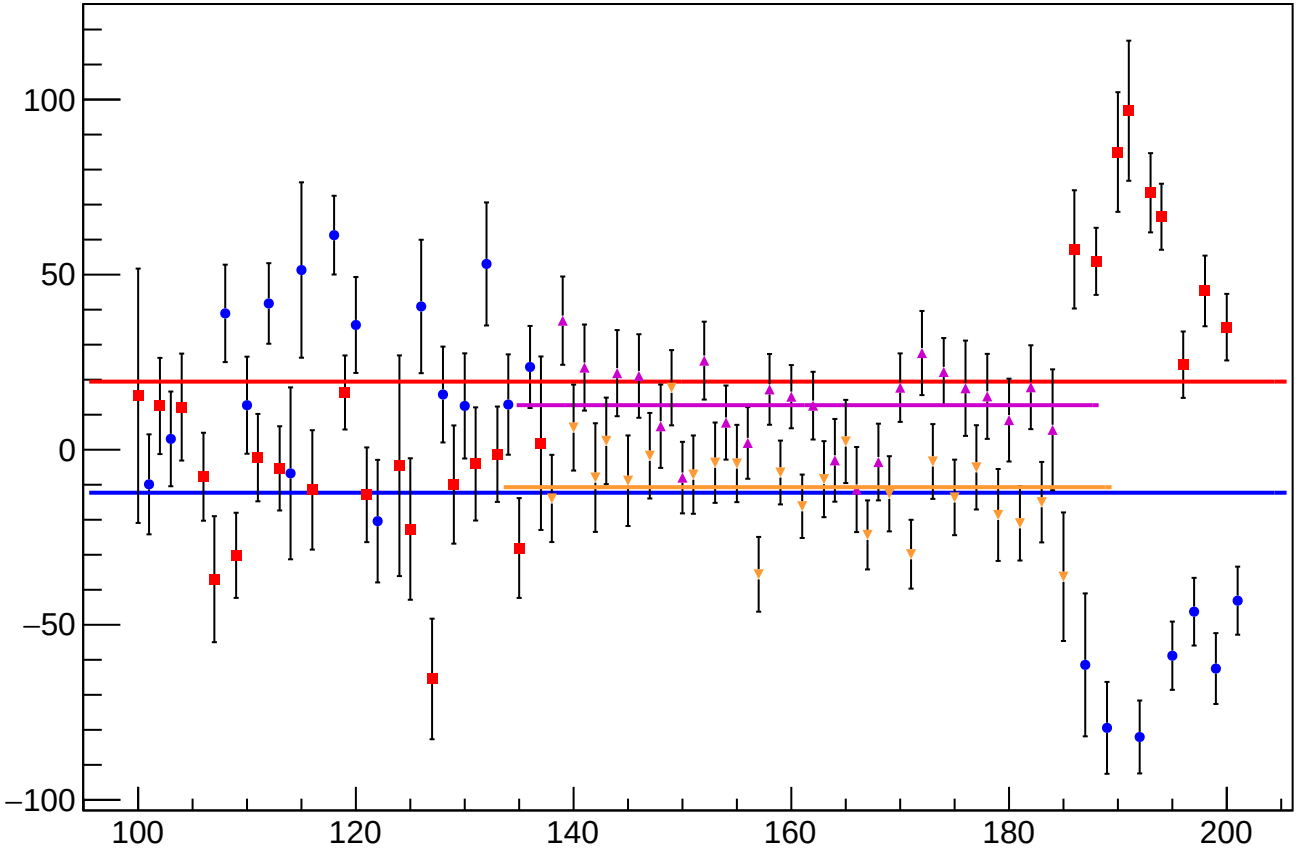
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1145.094+/-0.154 χ^2/NDF: 8014271.2/47

All: 1146.793+/-0.108 χ^2/NDF: 14217031.1/9

- sign 1148.444+/-0.152 χ^2/NDF: 6202520.7/50

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: 19.448+/-2.538 χ^2/NDF: 201.1/27

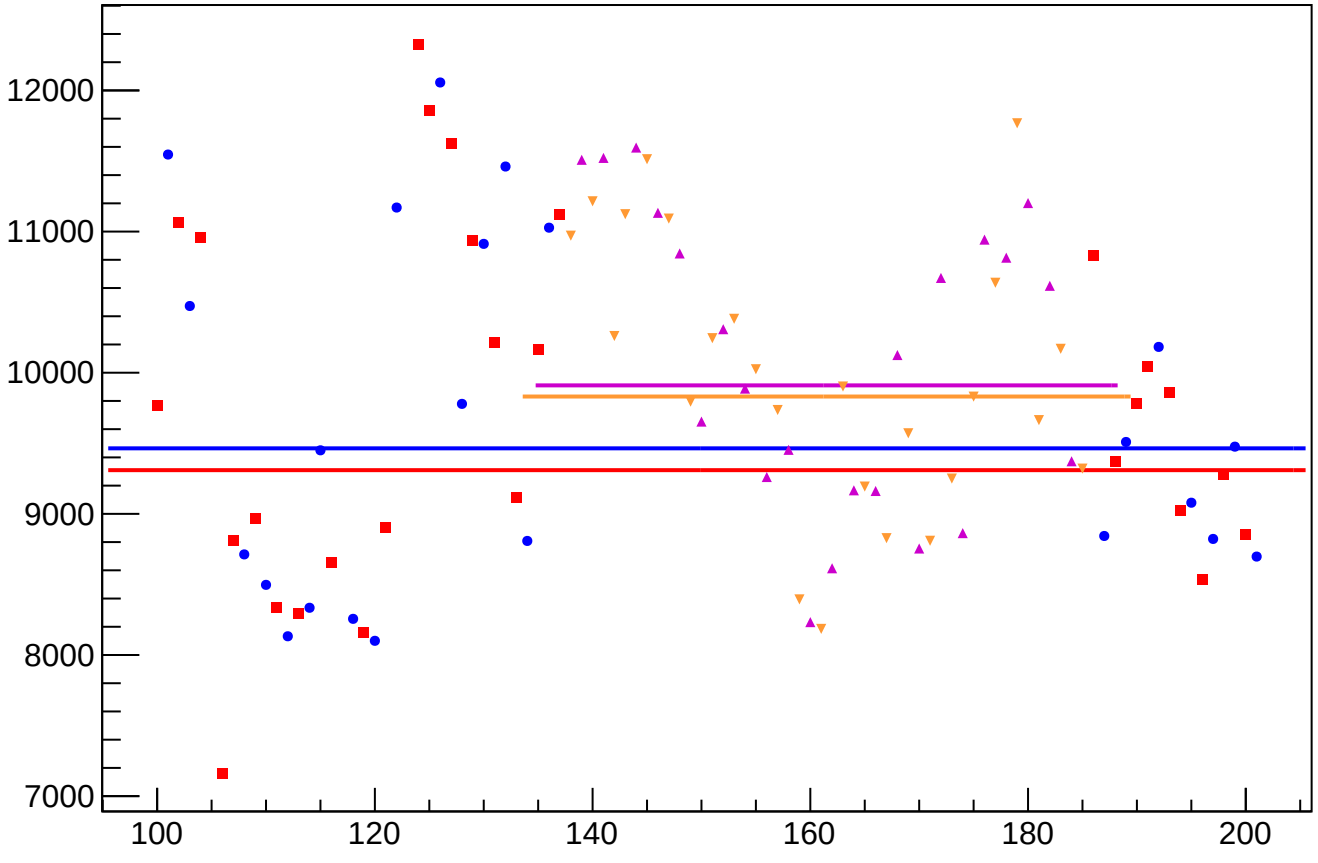
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -11.343+/-1.737 χ^2/NDF: 318.6/47

All: 2.367+/-1.223 χ^2/NDF: 670.9/98

- sign 15.812+/-1.721 χ^2/NDF: 229.0/50

diff_bpm0l07X_rms vs Slug



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: 9309.595+/-1.795 χ^2/NDF: 347244.5/27

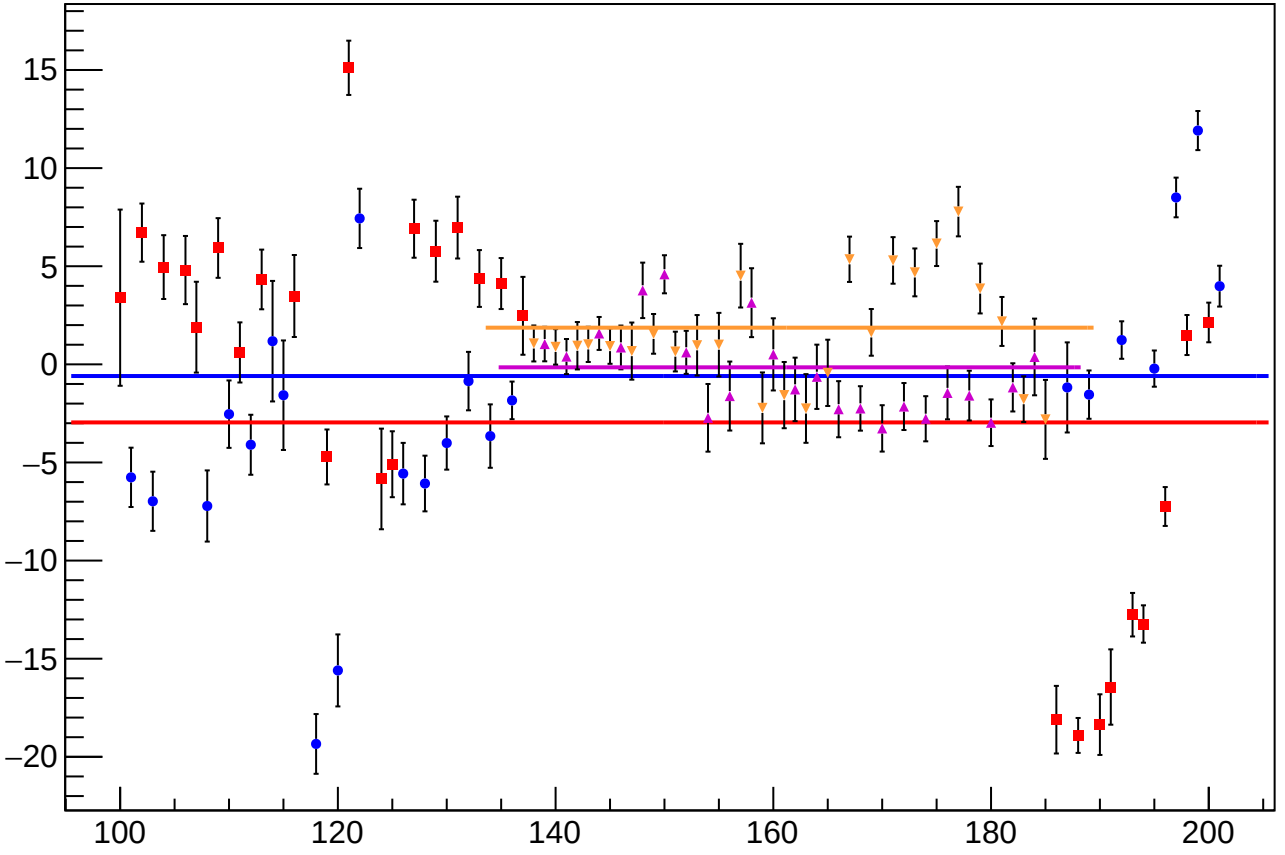
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9681.695+/-1.229 χ^2/NDF: 697946.2/47

All: 9657.700+/-0.865 χ^2/NDF: 1495856.4/98

- sign 9634.166+/-1.217 χ^2/NDF: 797154.6/50

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: -2.959+/-0.265 χ^2/NDF: 1323.3/27

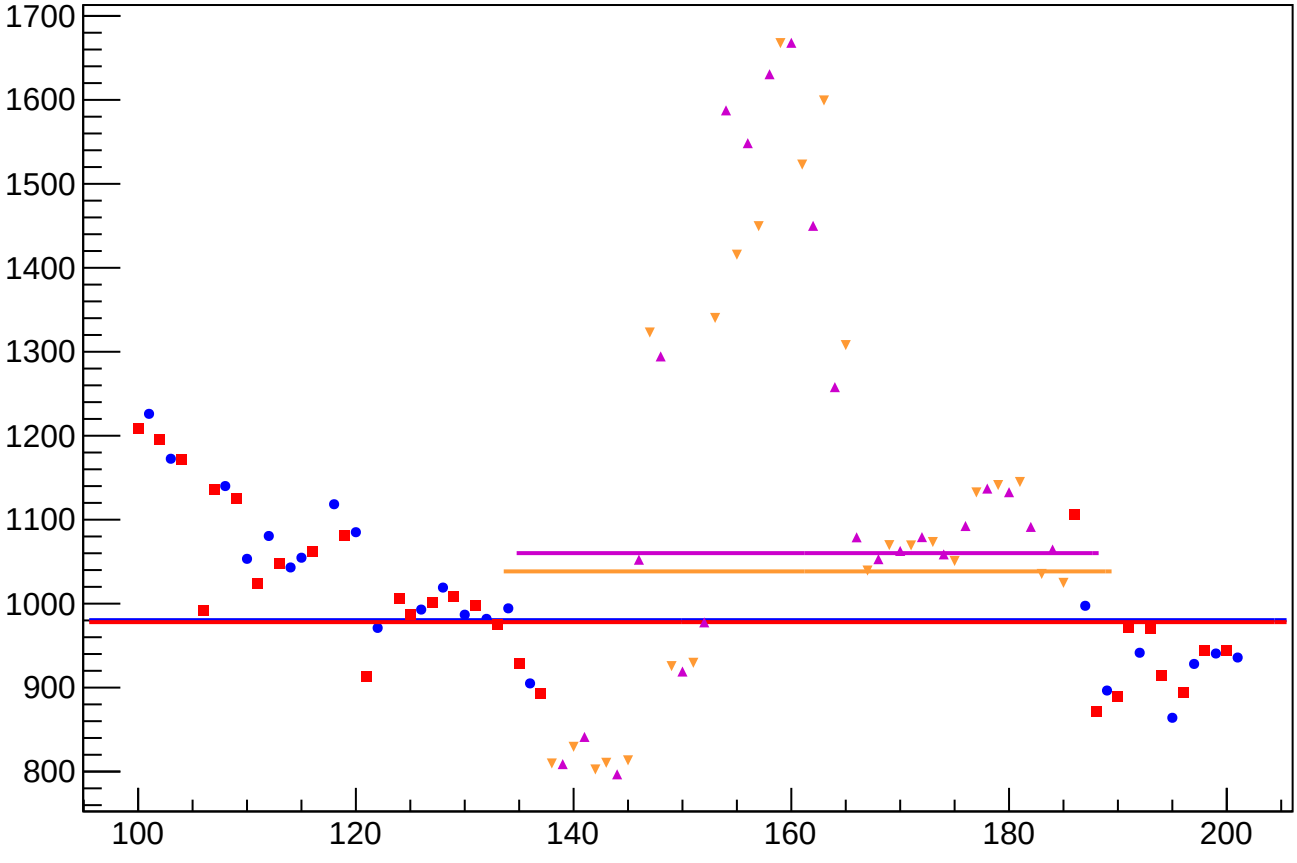
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.812+/-0.183 χ^2/NDF: 743.2/47

All: -0.342+/-0.130 χ^2/NDF: 2279.9/98

- sign -1.498+/-0.184 χ^2/NDF: 1457.4/50

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: 977.980+/-0.187 χ^2/NDF: 211760.8/27

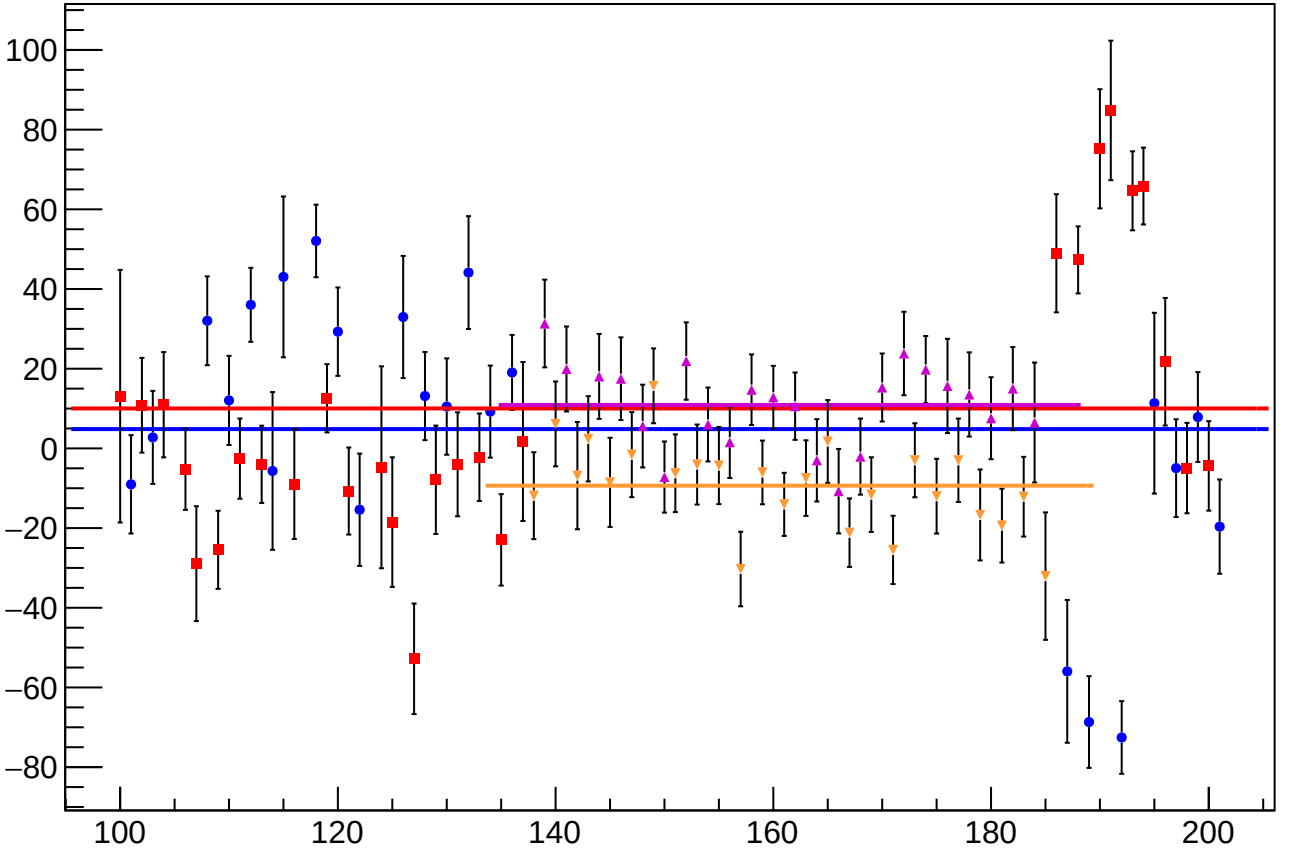
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1013.504+/-0.130 χ^2/NDF: 1964989.4/47

All: 1017.126+/-0.092 χ^2/NDF: 3801545.1/98

- sign 1020.756+/-0.130 χ^2/NDF: 1834993.7/50

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

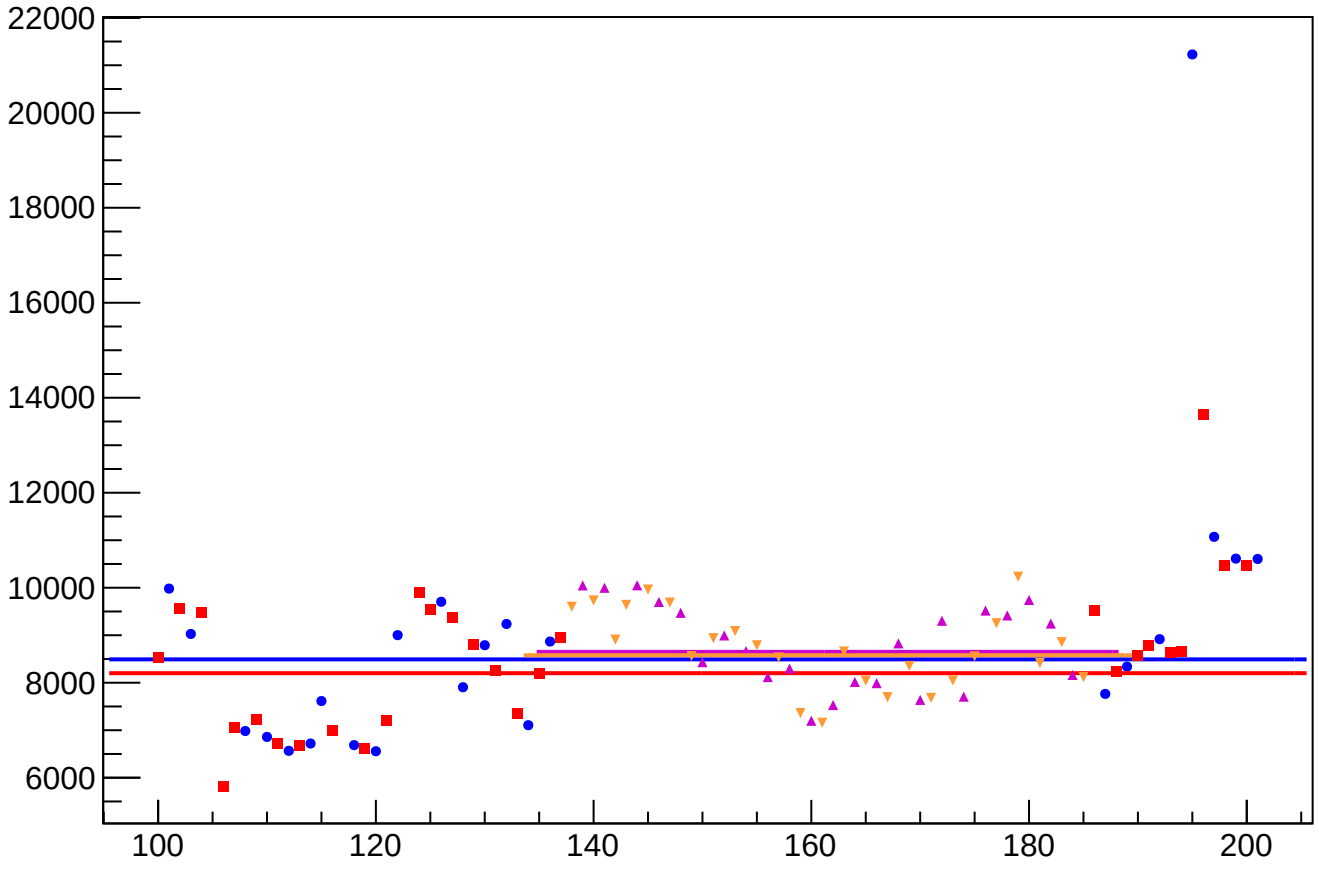
Right Out: 10.023+/-2.273 χ^2/NDF: 200.0/27

Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.897+/-1.545 χ^2/NDF: 248.9/47

All: 3.424+/-1.083 χ^2/NDF: 516.7/98

- sign 10.504+/-1.519 χ^2/NDF: 223.6/50



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: 8200.845+/-1.607 χ^2/NDF: 855962.1/27

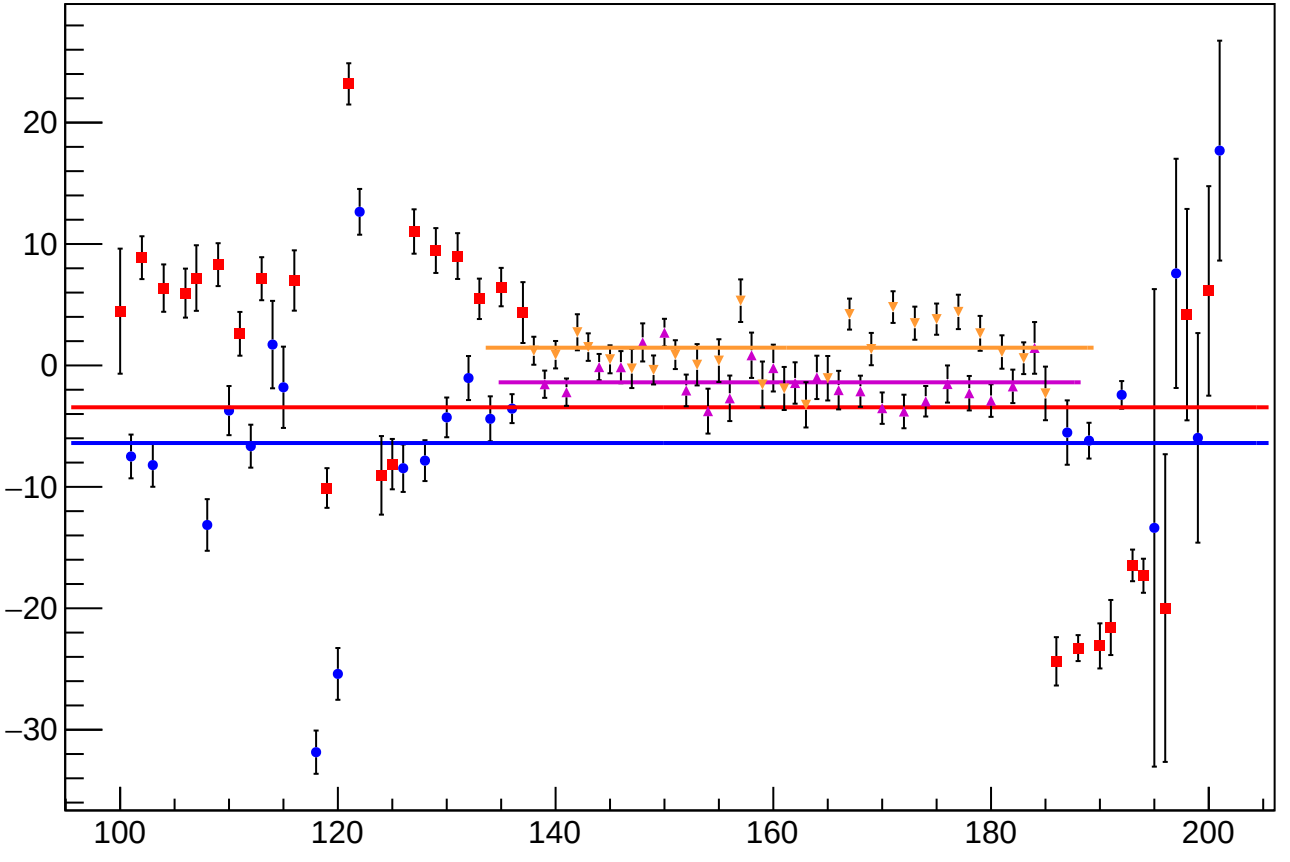
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8545.037+/-1.092 χ^2/NDF: 1623963.9/47

All: 8496.172+/-0.766 χ^2/NDF: 2904853.1/98

- sign 8448.918+/-1.074 χ^2/NDF: 1276953.6/50

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: -3.446+/-0.360 χ^2/NDF: 1557.9/27

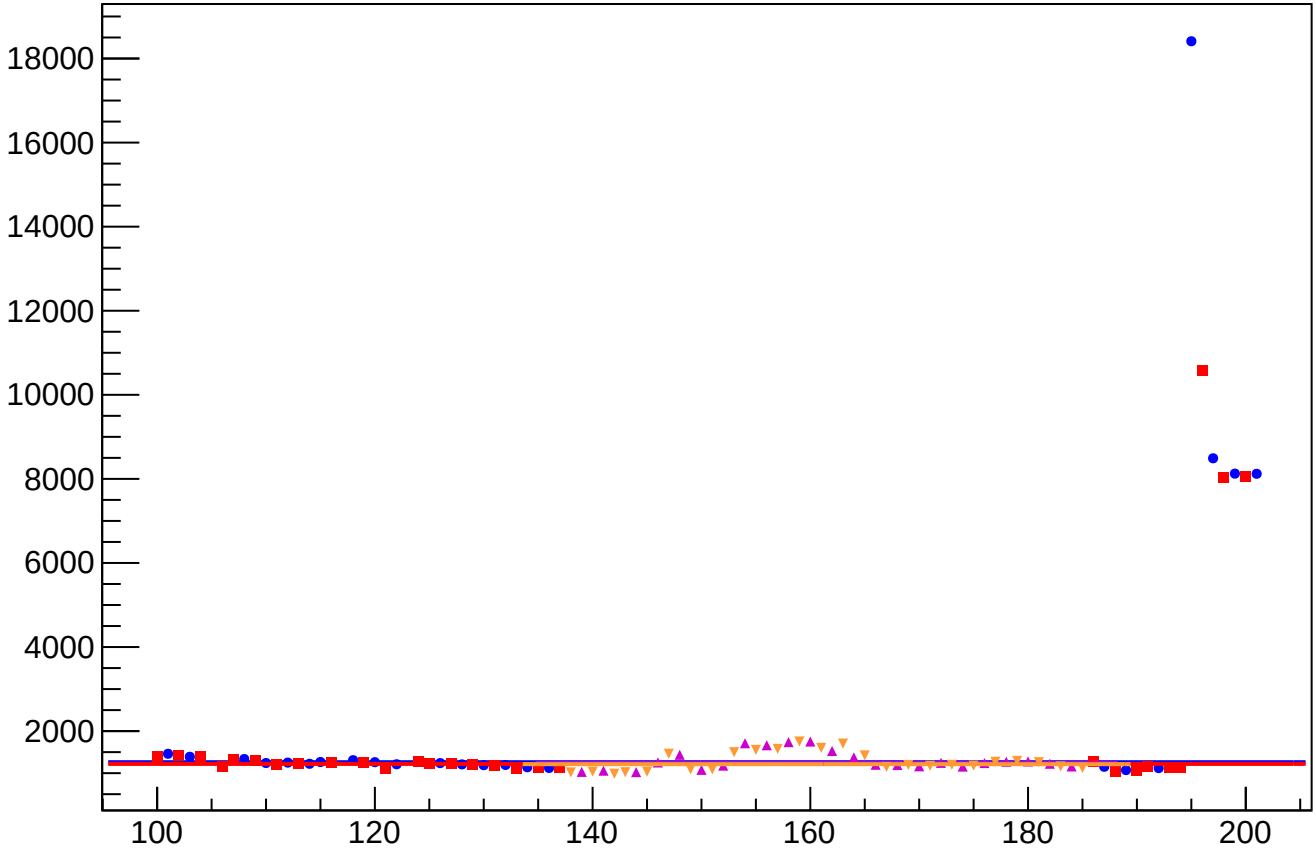
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.083+/-0.231 χ^2/NDF: 751.7/47

All: -1.654+/-0.162 χ^2/NDF: 2376.8/98

- sign -2.212+/-0.228 χ^2/NDF: 1613.0/50

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: 1219.658+/-0.255 χ^2/NDF: 3737712.4/27

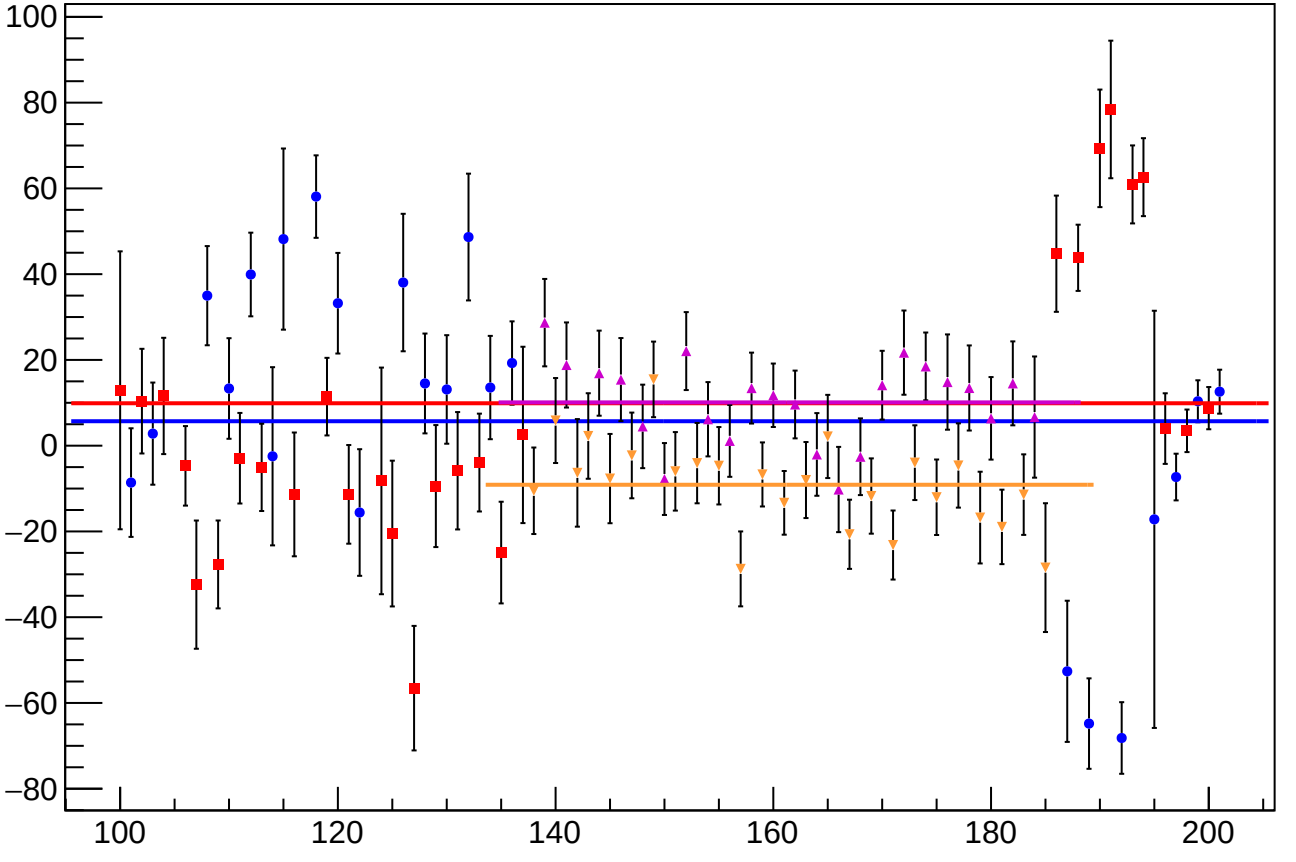
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1228.587+/-0.163 χ^2/NDF: 6289895.7/47

All: 1229.993+/-0.115 χ^2/NDF: 10916870.7/9

- sign 1231.367+/-0.161 χ^2/NDF: 4626827.9/50

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: 9.893+/-1.920 χ^2/NDF: 201.6/27

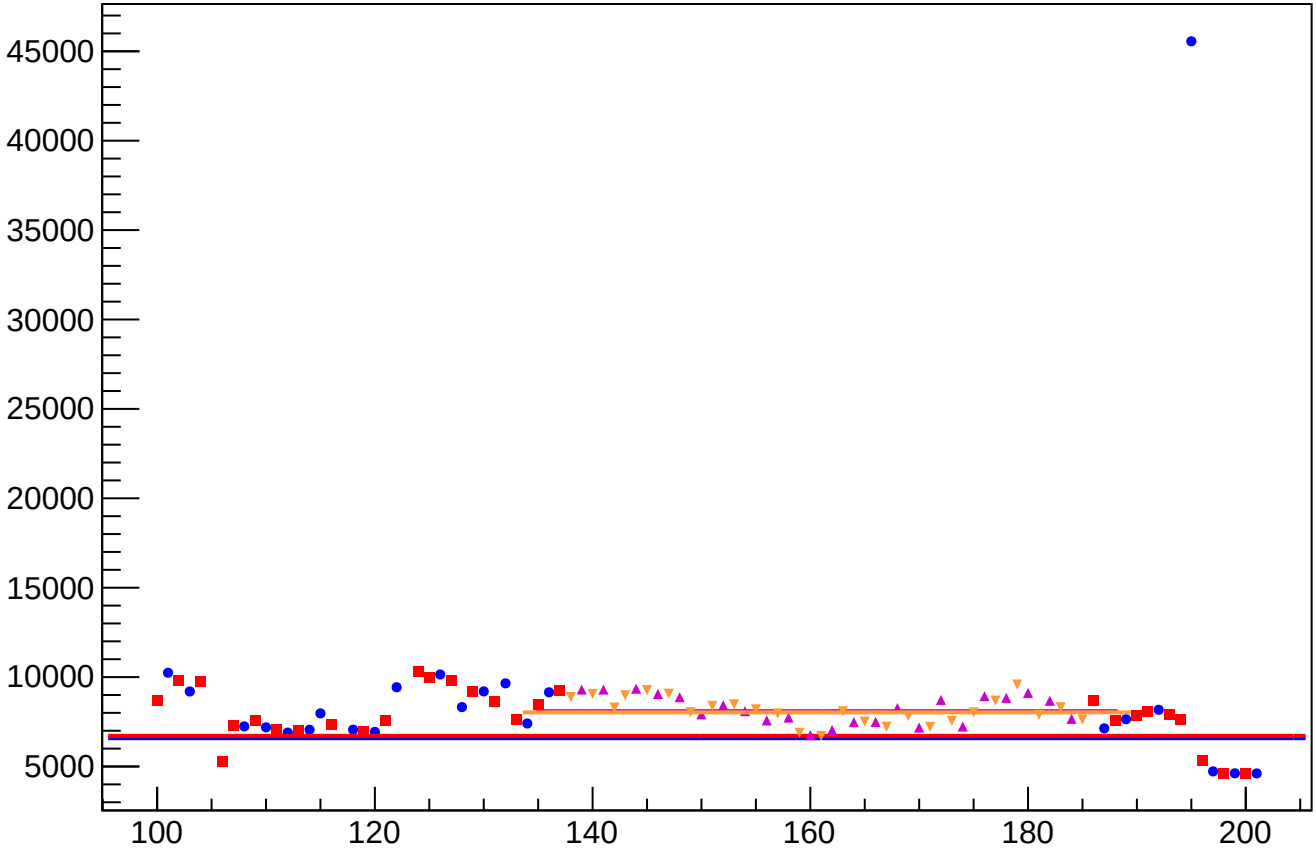
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

\+ sign -2.367+/-1.360 χ^2/NDF: 280.1/47

All: 3.837+/-0.960 χ^2/NDF: 547.4/98

\- sign 9.994+/-1.355 χ^2/NDF: 225.9/50

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

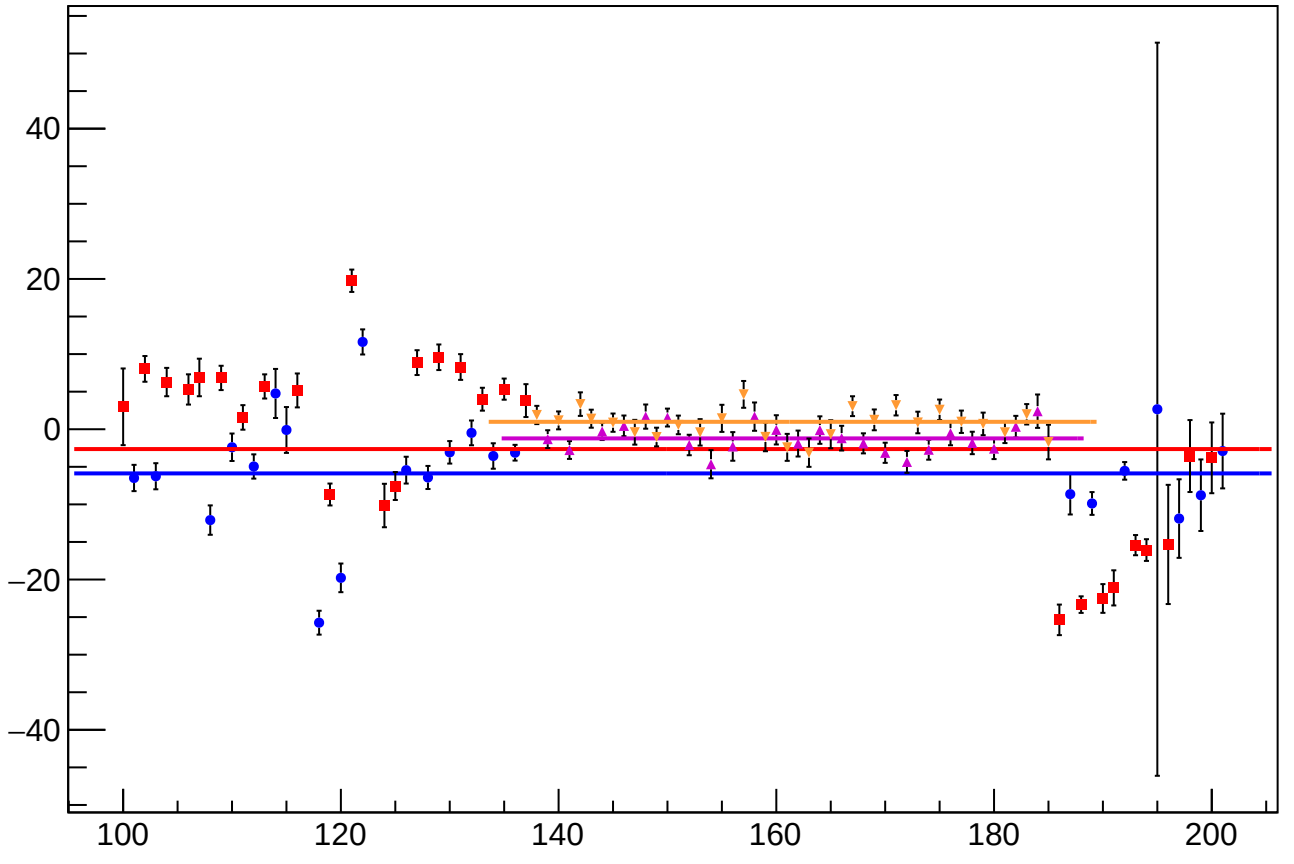
Right Out: 6715.823+/-1.358 χ^2/NDF: 1650937.9/27

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 7370.172+/-0.961 χ^2/NDF: 3953359.2/47

All: 7389.568+/-0.679 χ^2/NDF: 6491111.2/98

- sign 7408.820+/-0.958 χ^2/NDF: 2536941.1/50



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: -2.638+/-0.341 χ^2/NDF: 1458.7/27

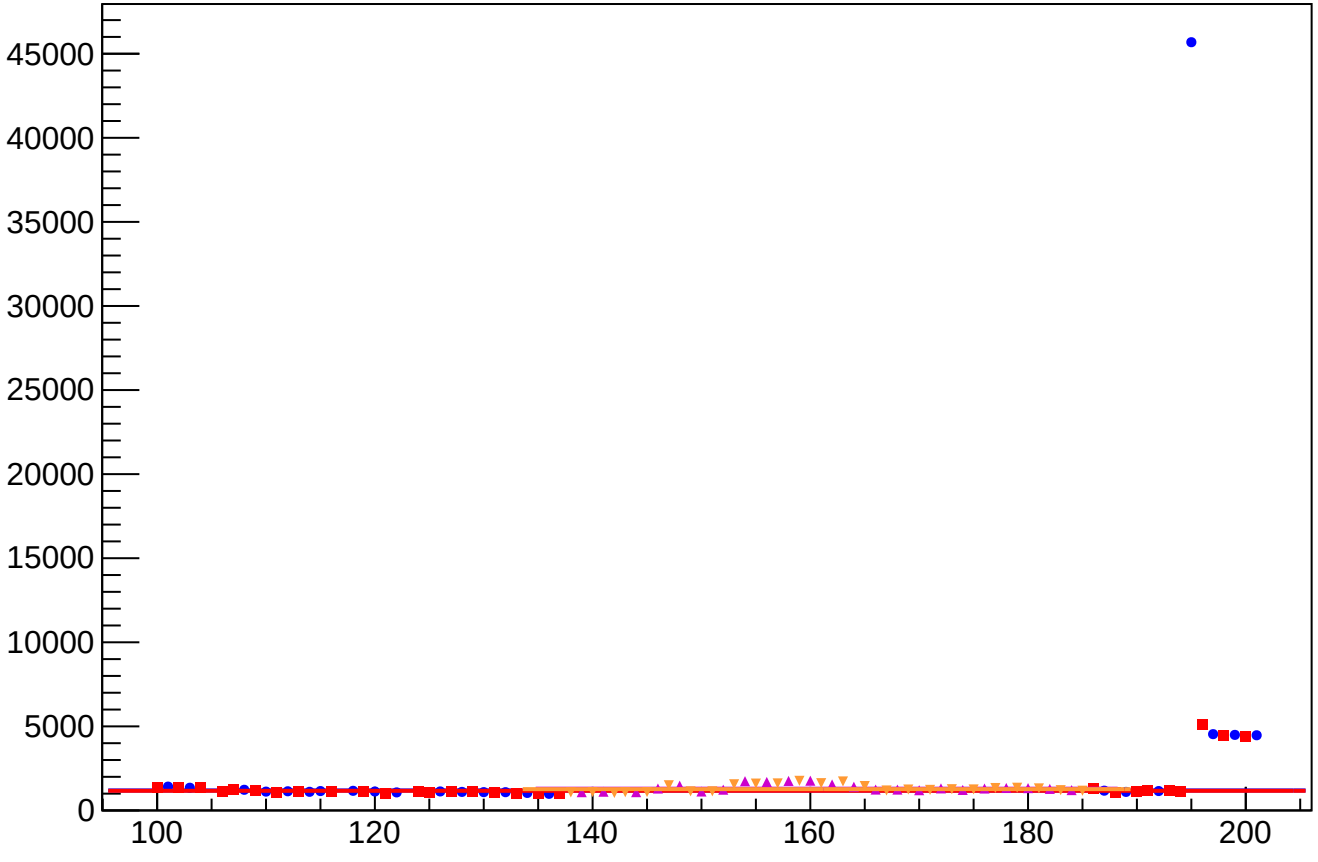
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.597+/-0.231 χ^2/NDF: 619.4/47

All: -1.727+/-0.162 χ^2/NDF: 2121.5/98

- sign -1.854+/-0.228 χ^2/NDF: 1501.4/50

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: 1168.866+/-0.241 χ^2/NDF: 2568154.1/27

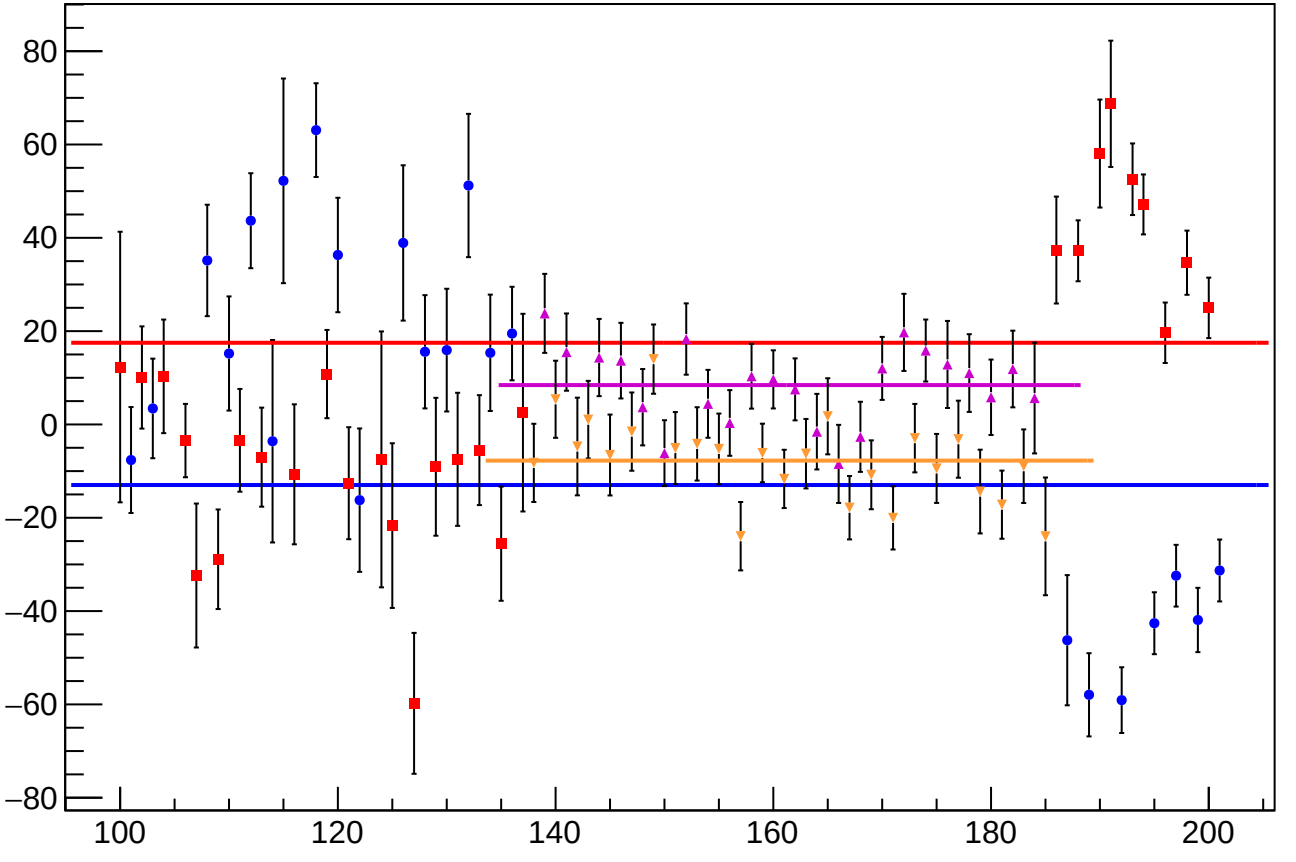
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1238.276+/-0.163 χ^2/NDF: 5444653.2/47

All: 1238.195+/-0.115 χ^2/NDF: 8920105.8/98

- sign 1238.115+/-0.161 χ^2/NDF: 3475452.1/50

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: 17.509+/-1.912 χ^2/NDF: 200.1/27

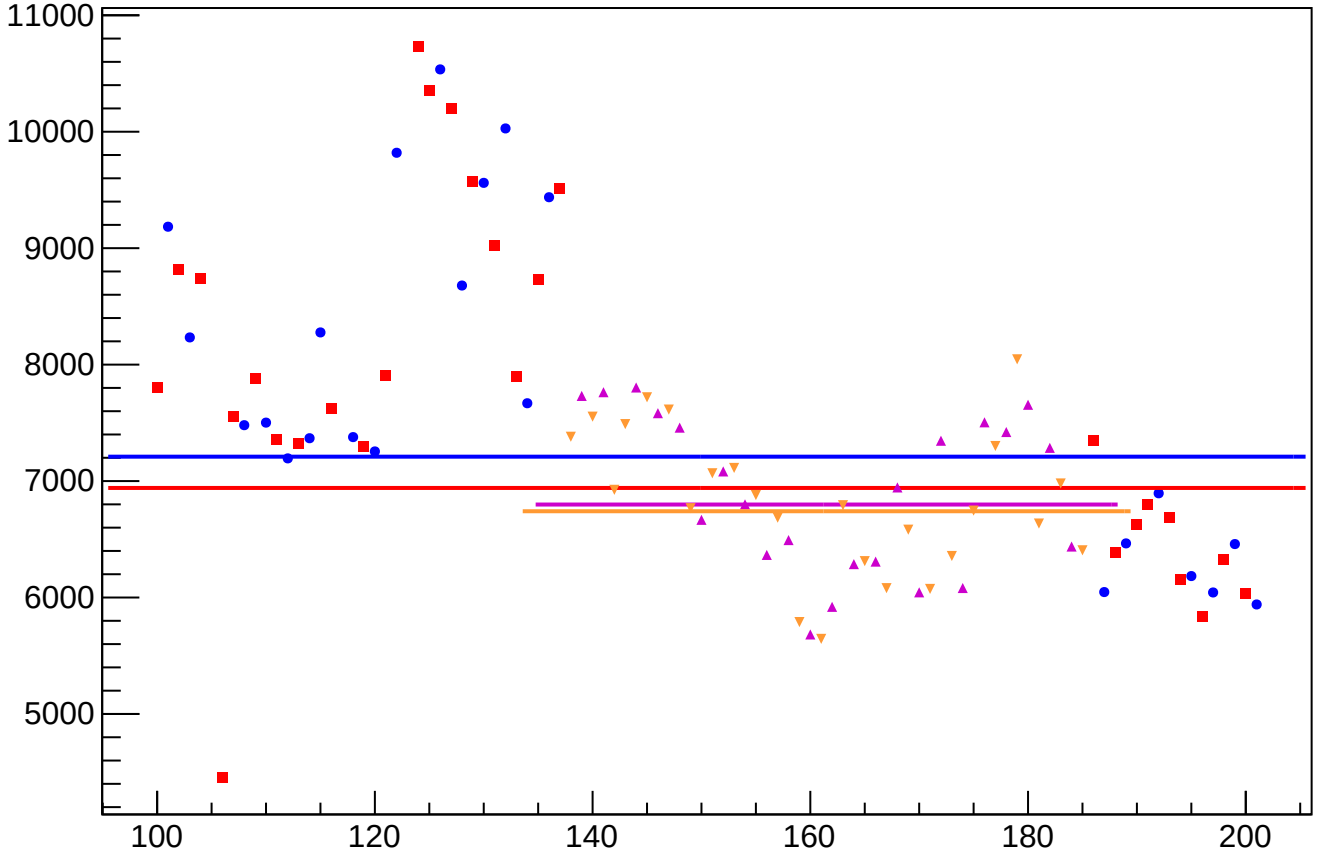
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -9.602+/-1.243 χ^2/NDF: 353.1/47

All: 1.418+/-0.874 χ^2/NDF: 746.5/98

- sign 12.187+/-1.229 χ^2/NDF: 238.1/50

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: 6940.951+/-1.352 χ^2/NDF: 909520.1/27

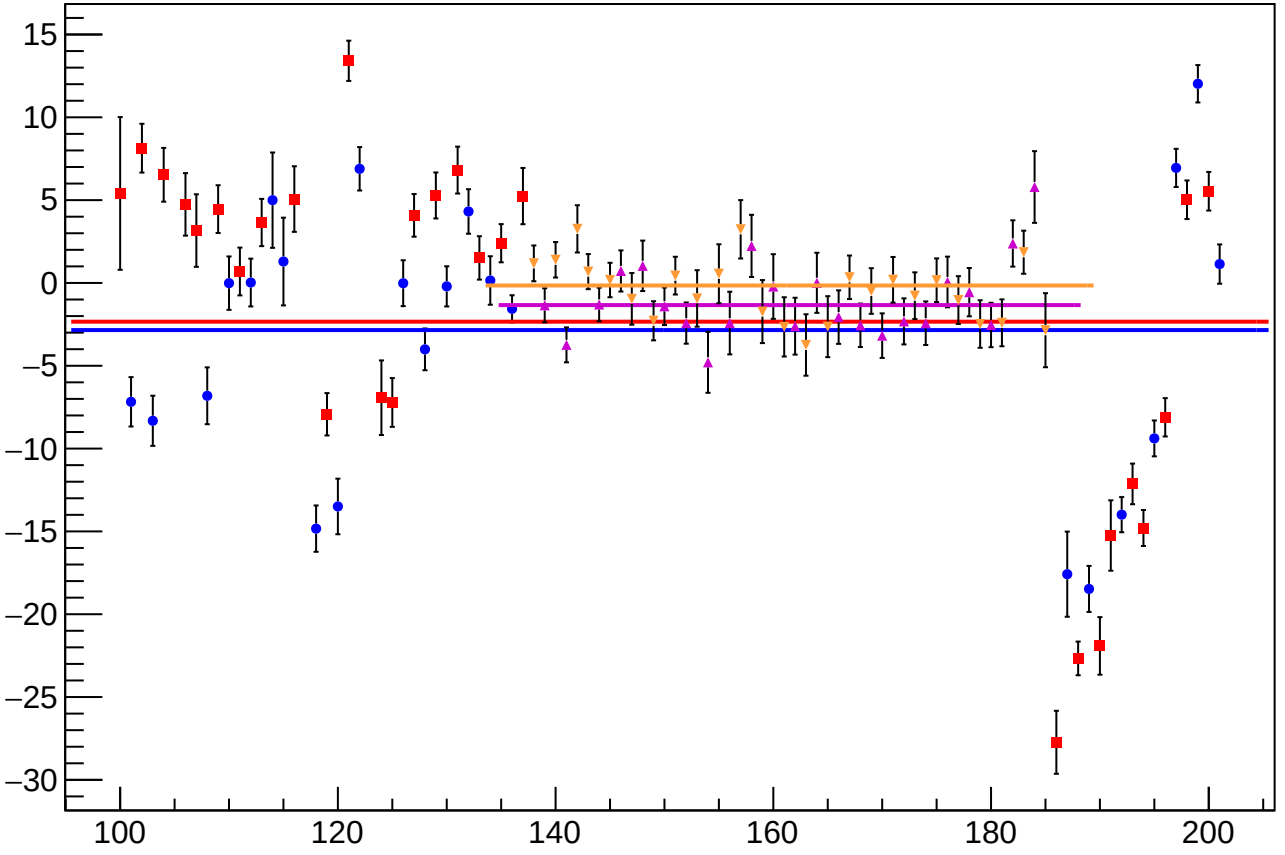
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6906.663+/-0.879 χ^2/NDF: 1106459.4/47

All: 6881.744+/-0.618 χ^2/NDF: 2377358.3/98

- sign 6857.394+/-0.869 χ^2/NDF: 1269310.4/50

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: -2.338+/-0.269 χ^2/NDF: 1553.8/27

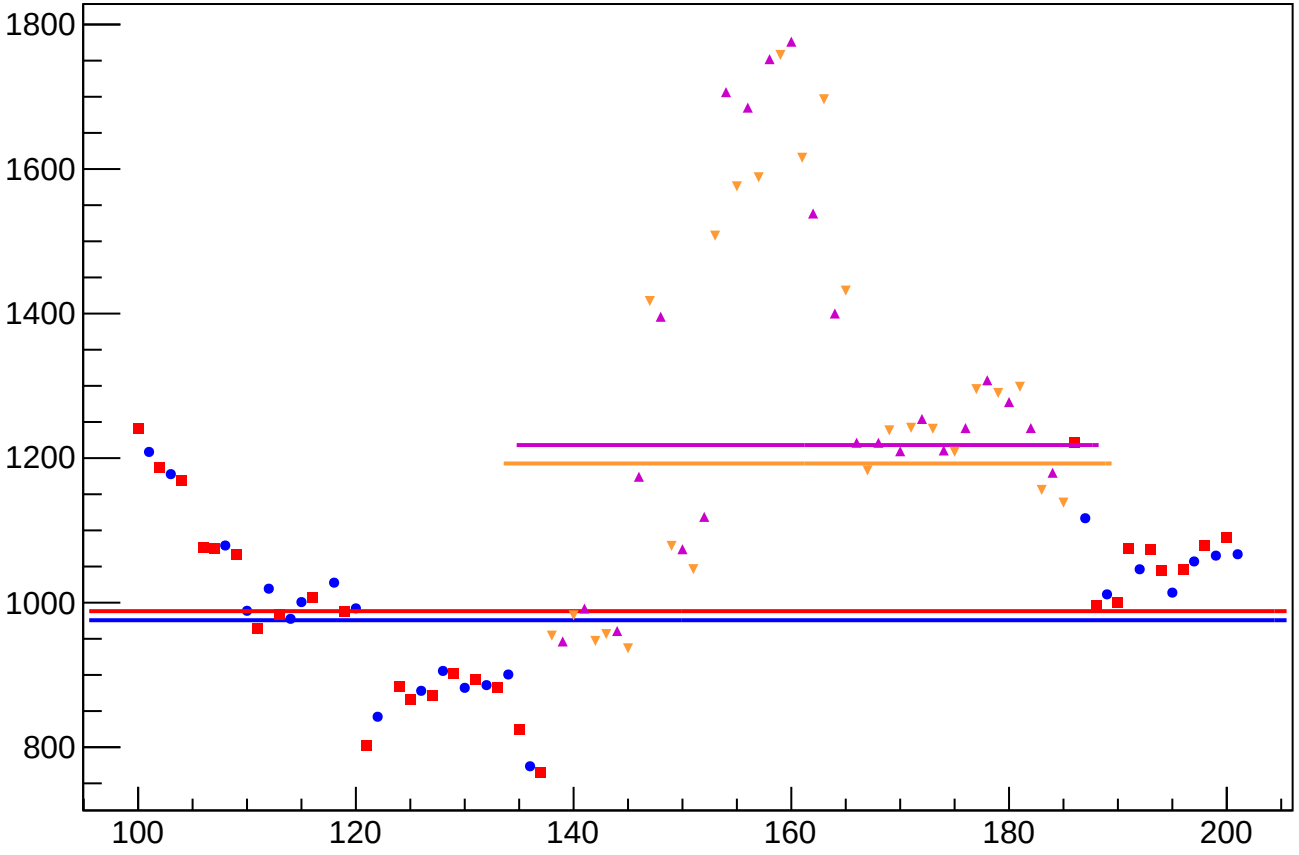
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -1.485+/-0.197 χ^2/NDF: 904.0/47

All: -1.680+/-0.139 χ^2/NDF: 2510.2/98

- sign -1.876+/-0.197 χ^2/NDF: 1604.2/50

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: 988.256+/-0.190 χ^2/NDF: 349233.6/27

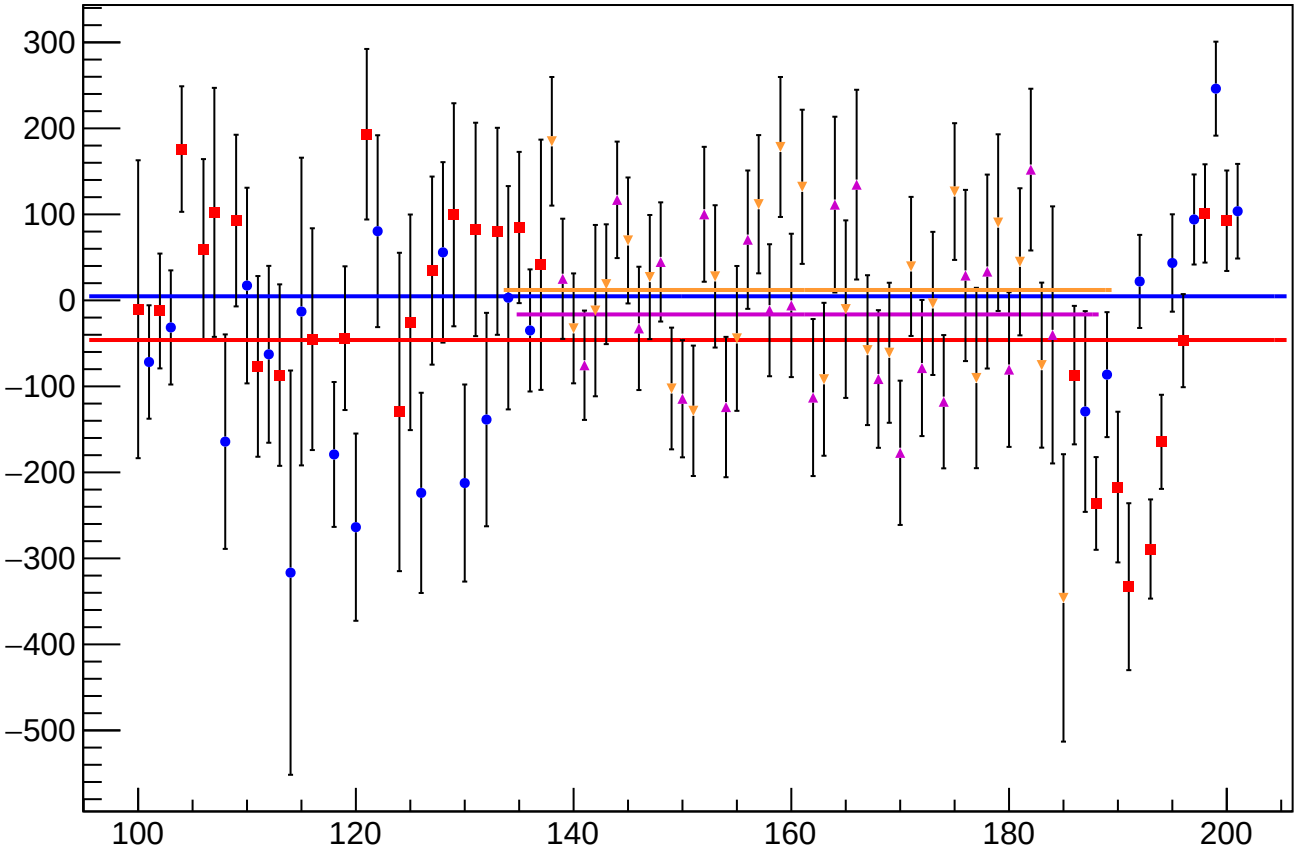
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1085.216+/-0.139 χ^2/NDF: 2262850.9/47

All: 1089.749+/-0.098 χ^2/NDF: 4417700.8/98

- sign 1094.304+/-0.139 χ^2/NDF: 2152718.8/50

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

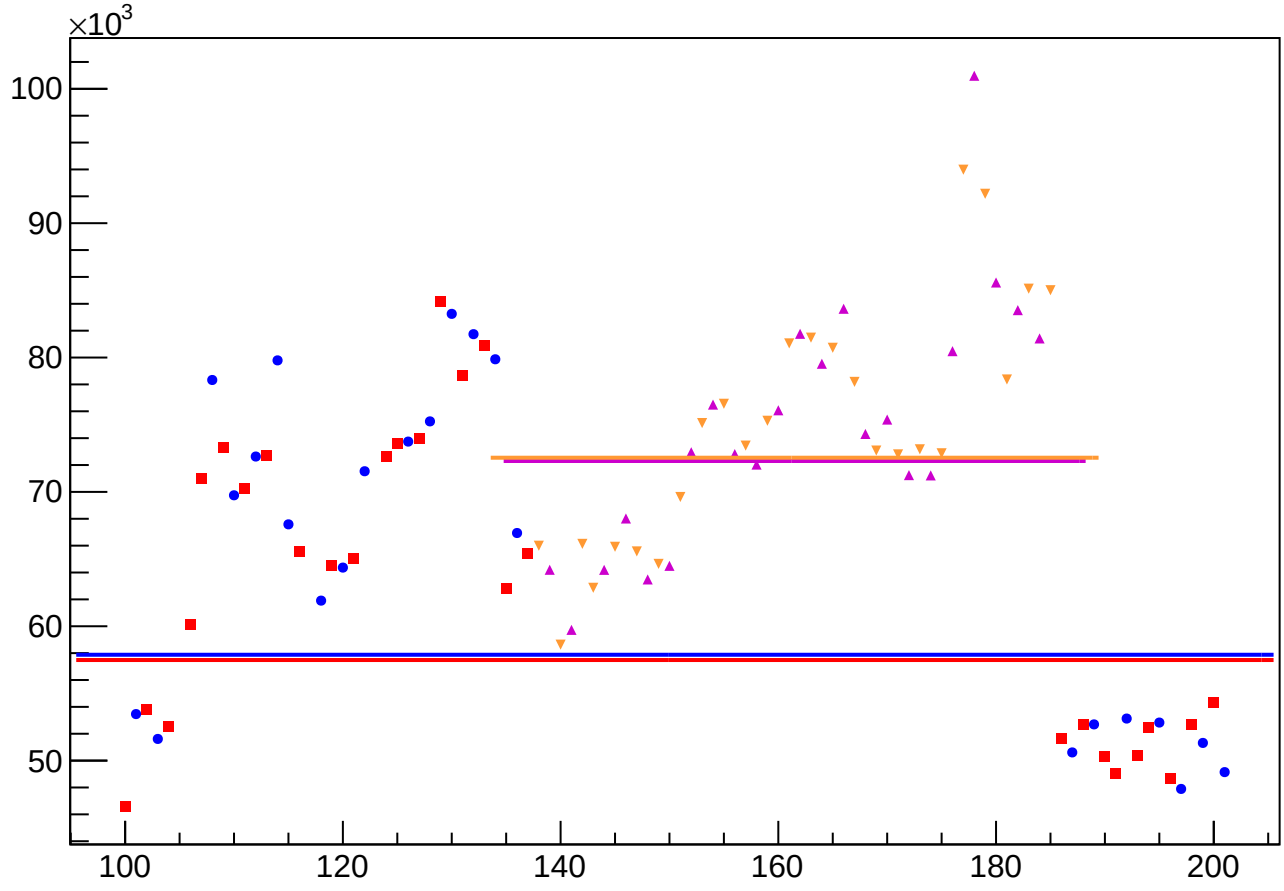
Right Out: -46.086+/-15.762 χ^2/NDF: 86.3/27

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign 8.453+/-11.799 χ^2/NDF: 88.5/47

All: -12.359+/-8.259 χ^2/NDF: 211.2/98

- sign -32.351+/-11.564 χ^2/NDF: 116.7/50



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: 57486.599+/-11.145 χ^2/NDF: 695828.4/27

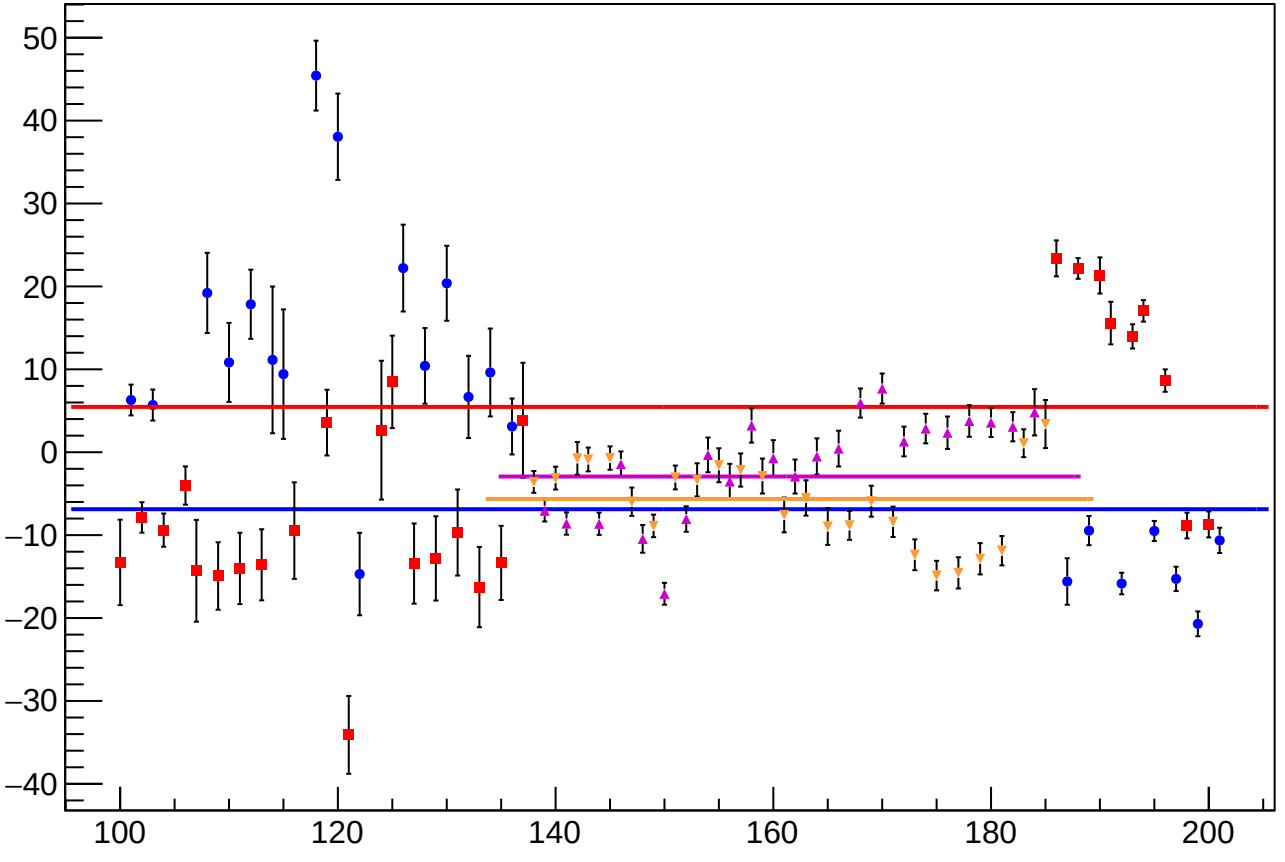
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 65280.748+/-8.343 χ^2/NDF: 2036105.5/47

All: 64794.193+/-5.840 χ^2/NDF: 4043139.9/9

- sign 64326.817+/-8.177 χ^2/NDF: 2000366.1/50

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: 5.468+/-0.446 χ^2/NDF: 968.4/27

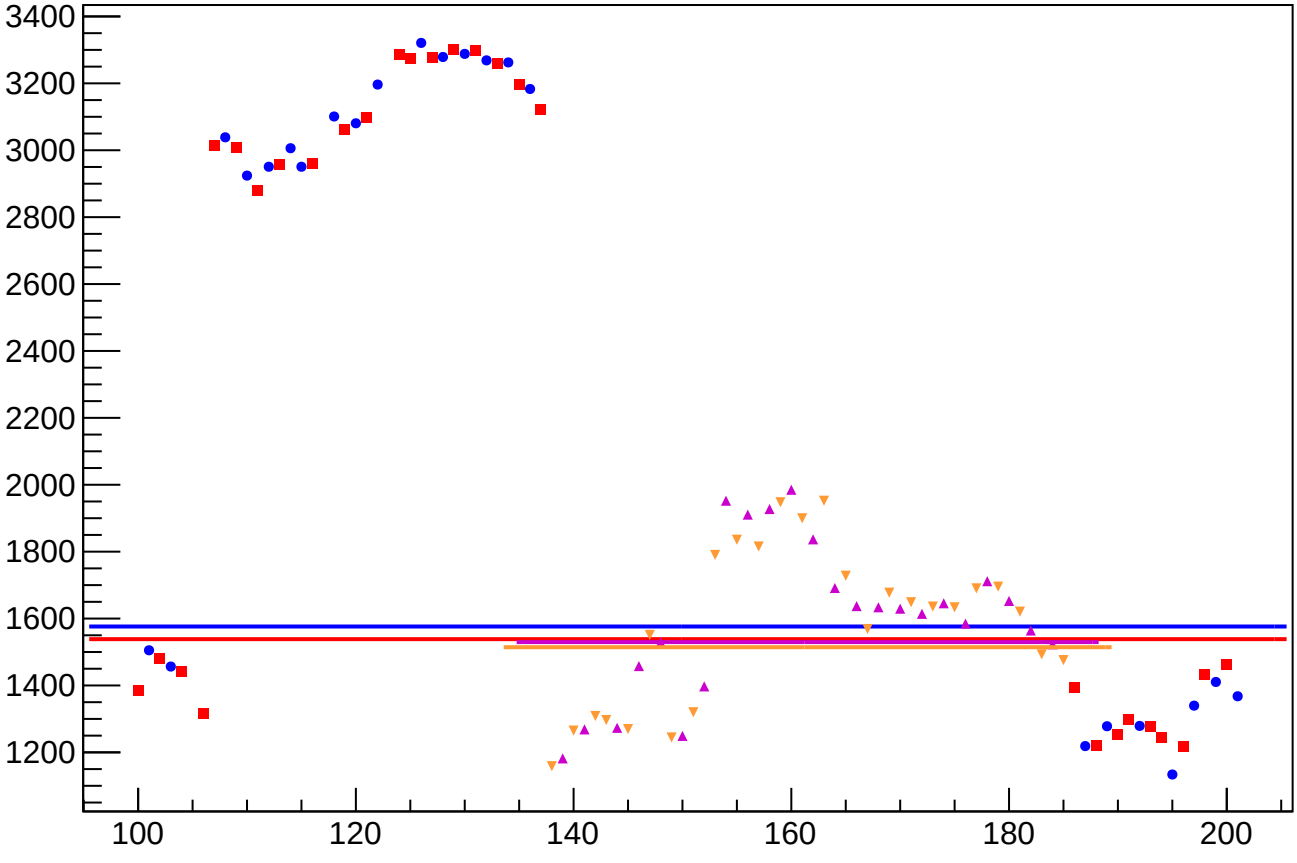
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -6.057+/-0.283 χ^2/NDF: 891.0/47

All: -2.798+/-0.200 χ^2/NDF: 2673.0/98

- sign 0.411+/-0.281 χ^2/NDF: 1519.5/50

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: 1538.440+/-0.315 χ^2/NDF: 3576386.6/27

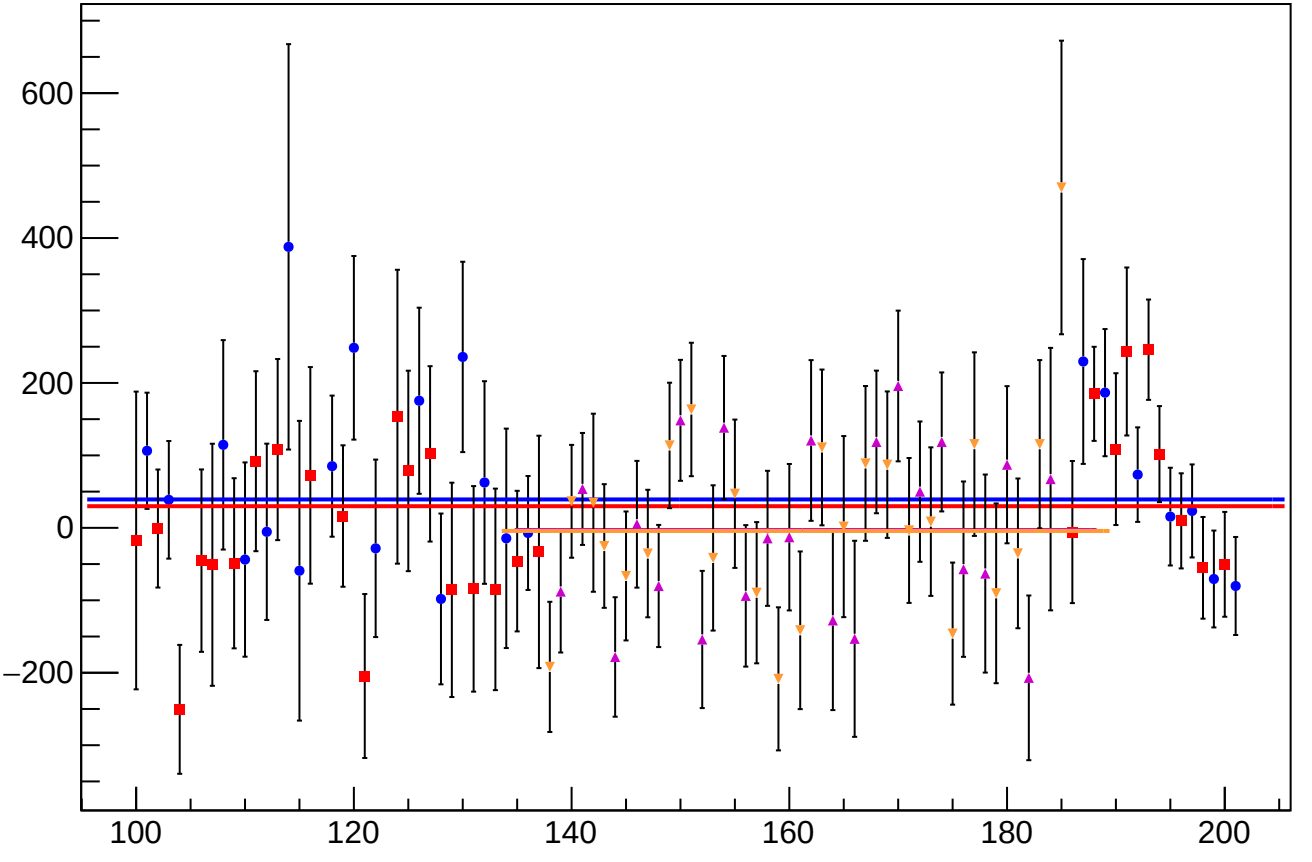
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1535.441+/-0.200 χ^2/NDF: 4533148.9/47

All: 1534.280+/-0.141 χ^2/NDF: 8938553.8/98

- sign 1533.137+/-0.199 χ^2/NDF: 4405338.3/50

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

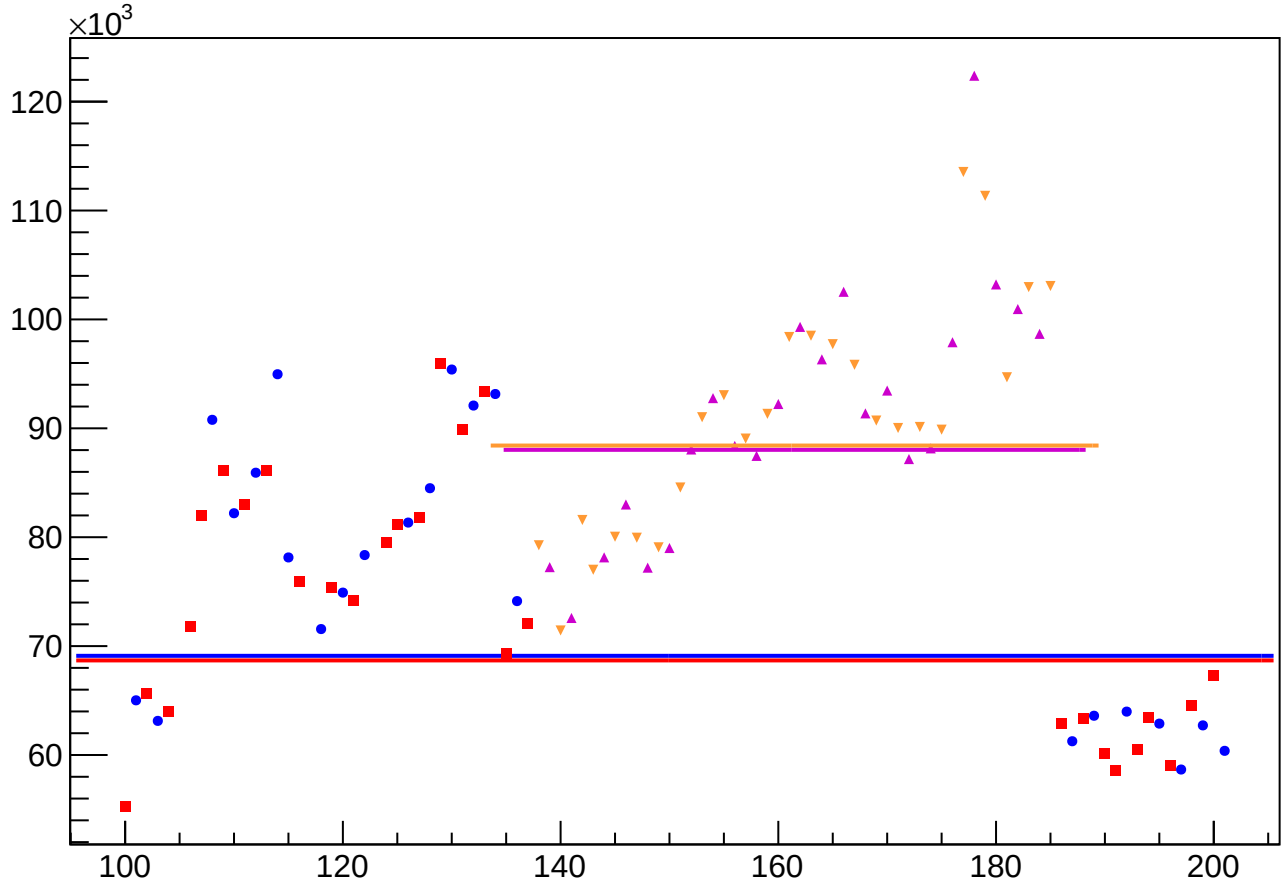
Right Out: 29.879+/-18.781 χ^2/NDF: 43.3/27

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 17.793+/-14.204 χ^2/NDF: 55.5/47

All: 16.389+/-9.940 χ^2/NDF: 130.8/98

- sign 15.041+/-13.915 χ^2/NDF: 75.4/50



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: 68686.066+/-13.280 χ^2/NDF: 522198.2/27

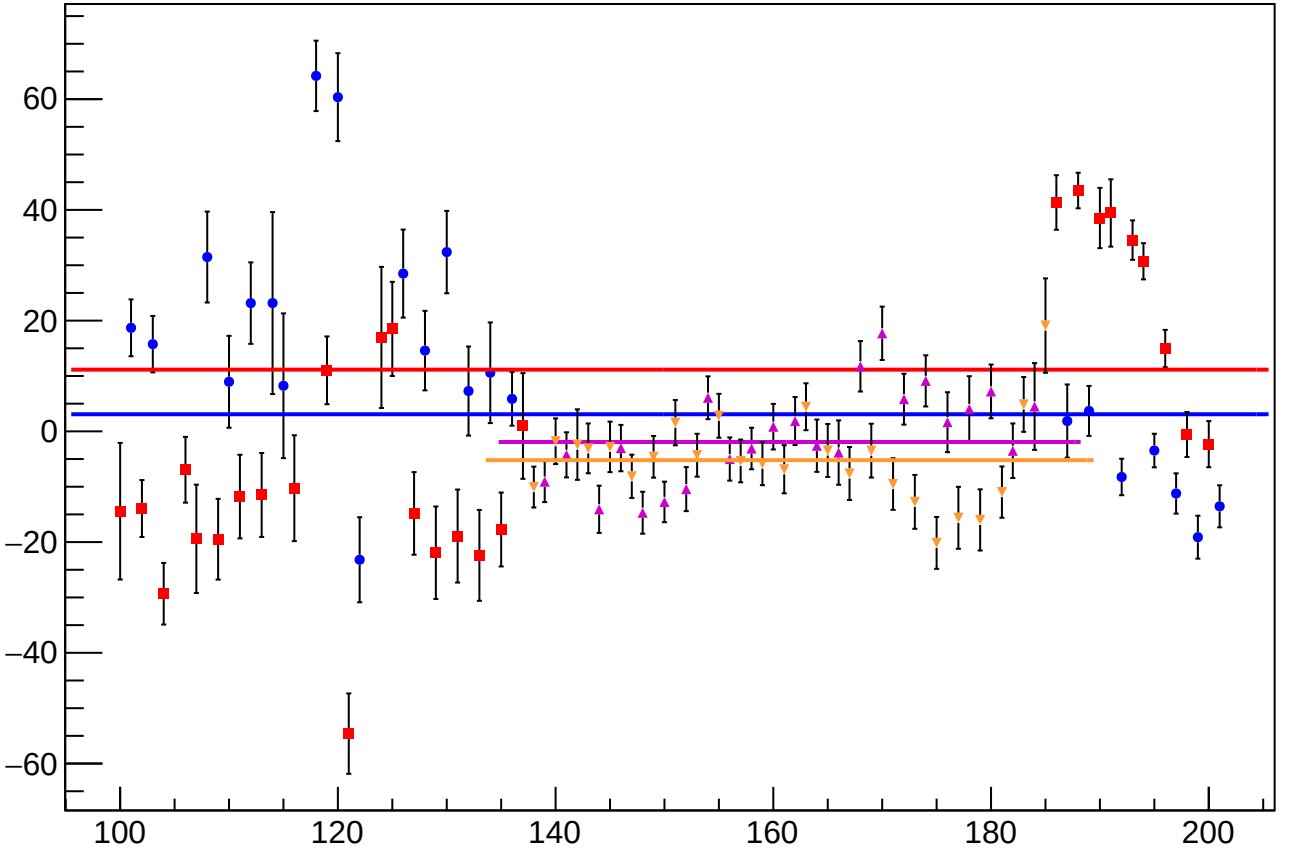
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 78617.885+/-10.044 χ^2/NDF: 1954740.9/47

All: 78000.630+/-7.029 χ^2/NDF: 3925458.6/9

- sign 77408.197+/-9.840 χ^2/NDF: 1963315.6/50

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

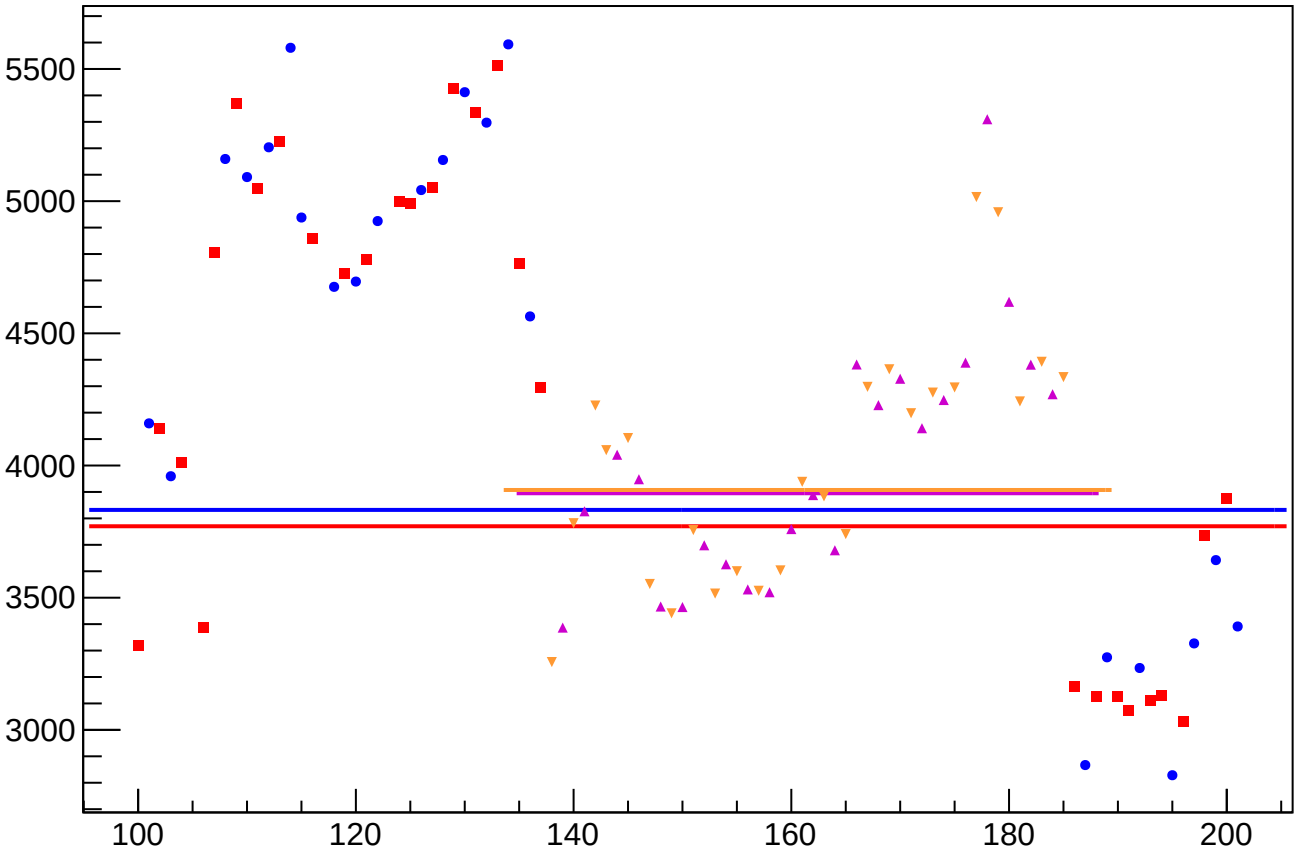
Right Out: 11.144+/-1.043 χ^2/NDF: 586.1/27

Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -1.974+/-0.698 χ^2/NDF: 391.2/47

All: 0.936+/-0.490 χ^2/NDF: 1183.3/98

- sign 3.765+/-0.689 χ^2/NDF: 757.9/50



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: 3770.221+/-0.738 χ^2/NDF: 1202350.1/27

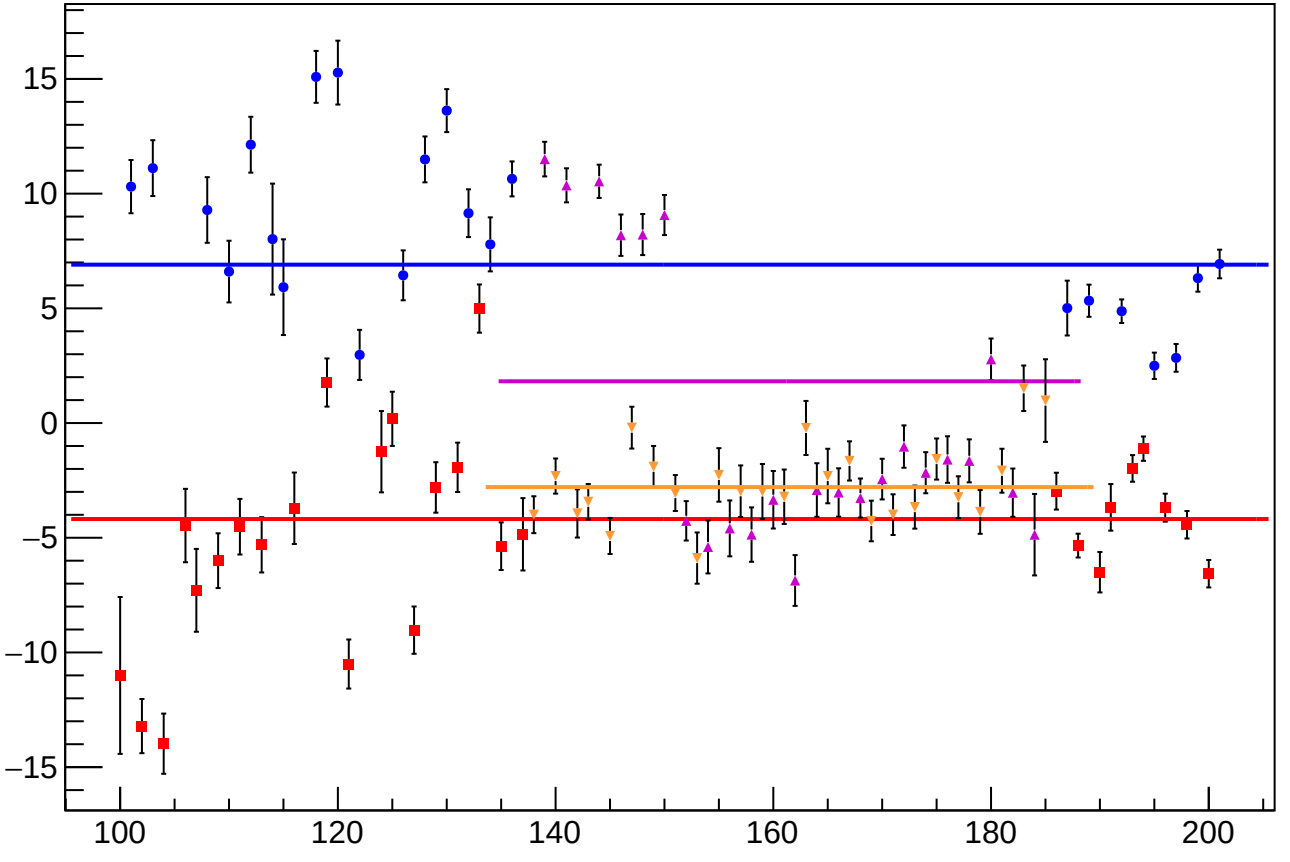
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3878.091+/-0.494 χ^2/NDF: 1580421.4/47

All: 3859.151+/-0.347 χ^2/NDF: 3211762.6/98

- sign 3840.737+/-0.487 χ^2/NDF: 1628439.4/50

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: -4.184+/-0.170 χ^2/NDF: 392.7/27

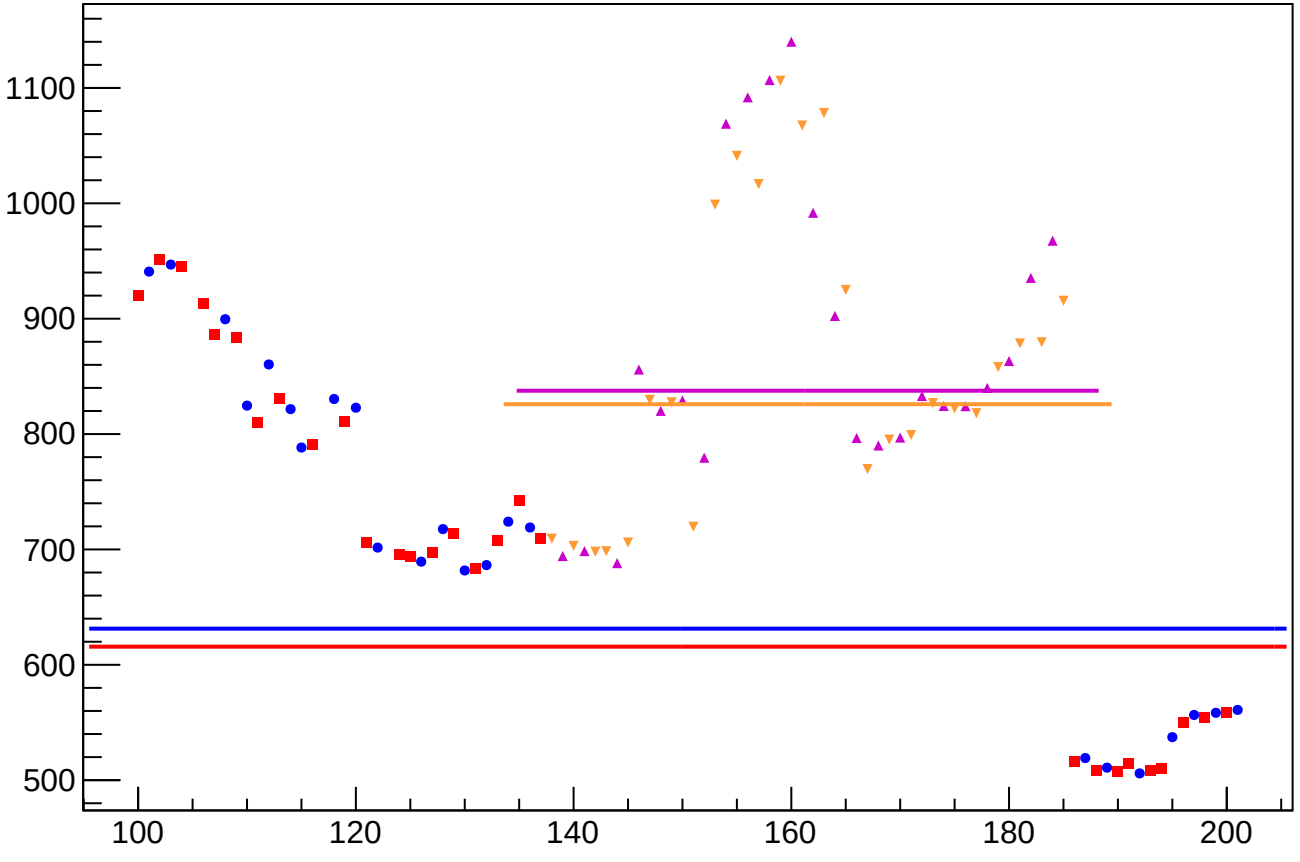
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 2.230+/-0.132 χ^2/NDF: 1790.2/47

All: 0.253+/-0.092 χ^2/NDF: 4176.7/98

- sign -1.638+/-0.129 χ^2/NDF: 1947.4/50

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: 615.737+/-0.120 χ^2/NDF: 1220761.1/27

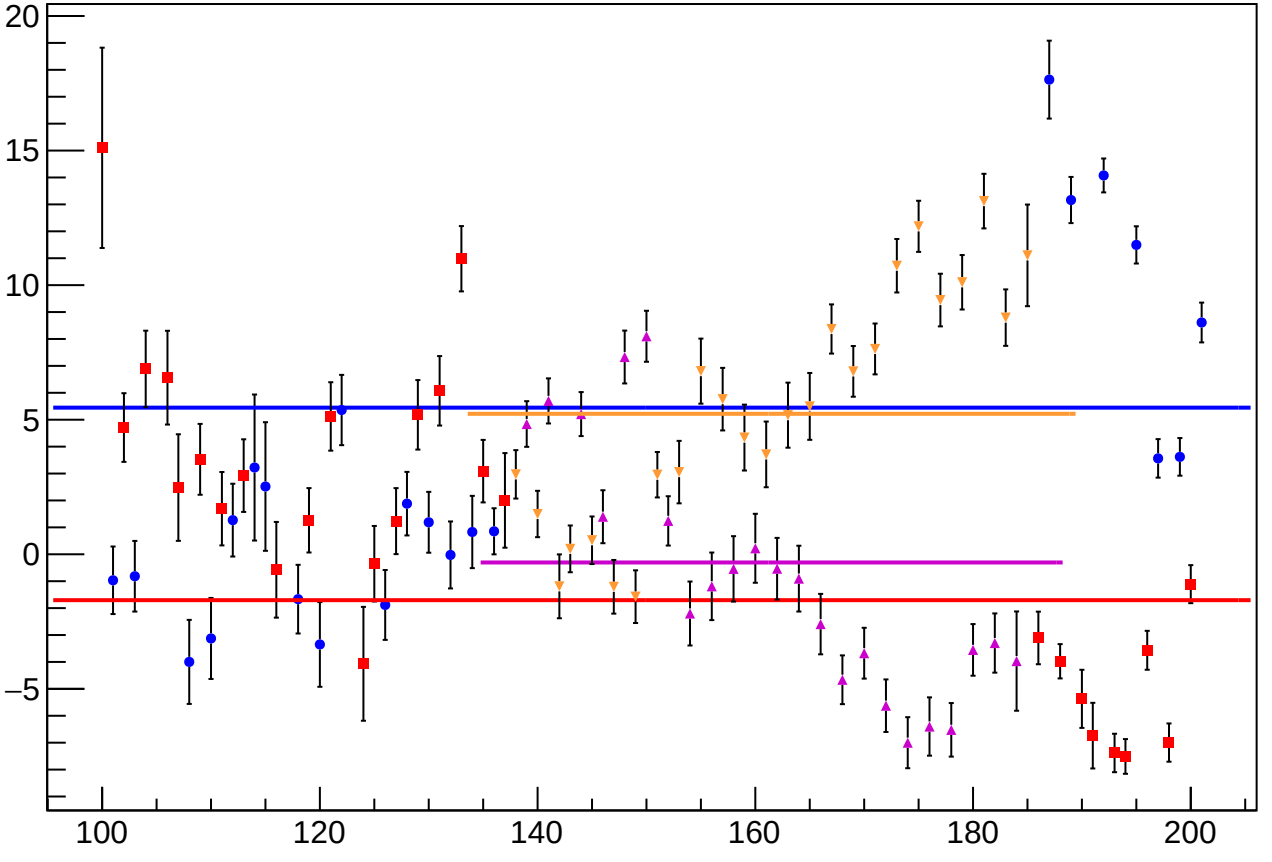
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 725.116+/-0.093 χ^2/NDF: 2848323.3/47

All: 717.297+/-0.065 χ^2/NDF: 6240272.3/98

- sign 709.818+/-0.091 χ^2/NDF: 3378209.6/50

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: -1.705+/-0.201 χ^2/NDF: 632.3/27

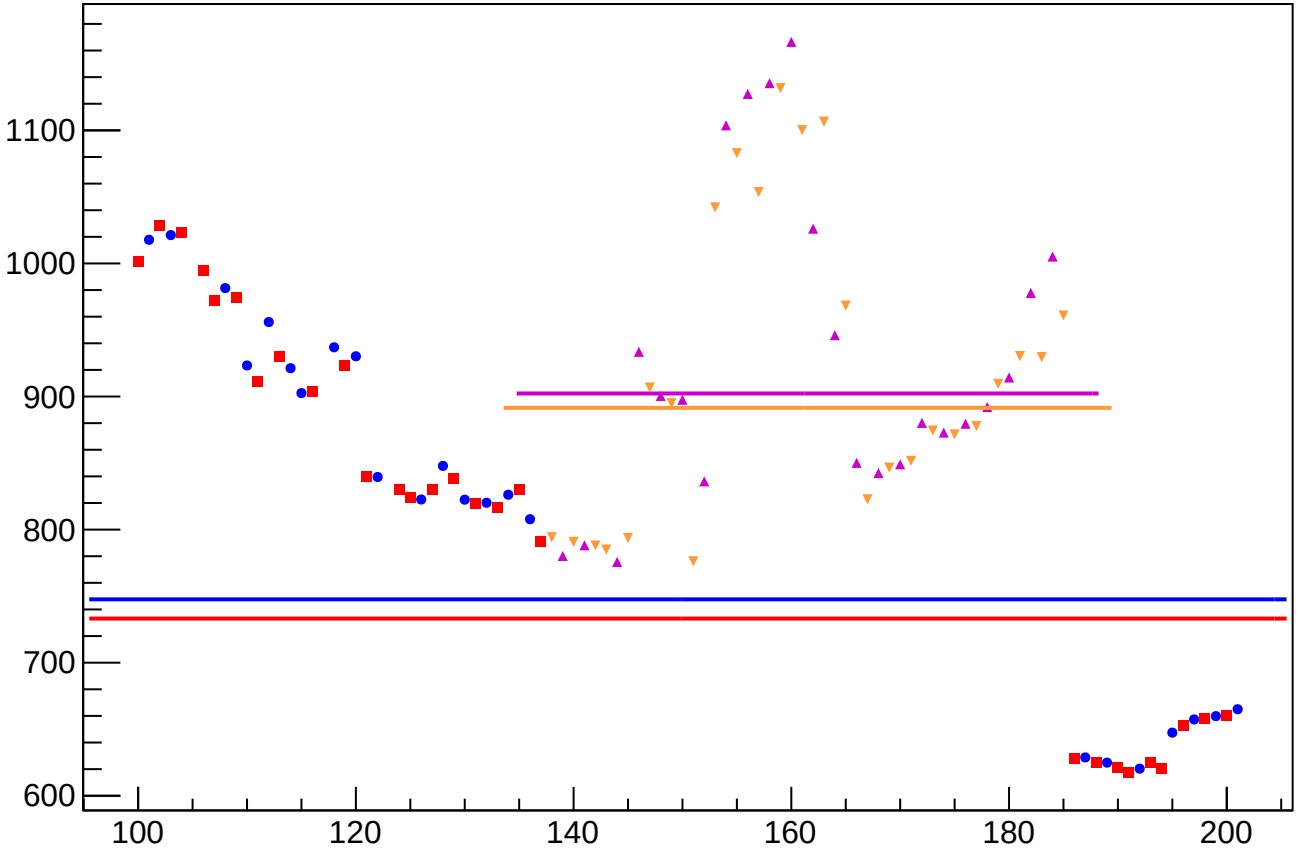
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 5.327+/-0.148 χ^2/NDF: 1205.8/47

All: 2.093+/-0.104 χ^2/NDF: 3291.7/98

- sign -1.043+/-0.146 χ^2/NDF: 1150.4/50

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

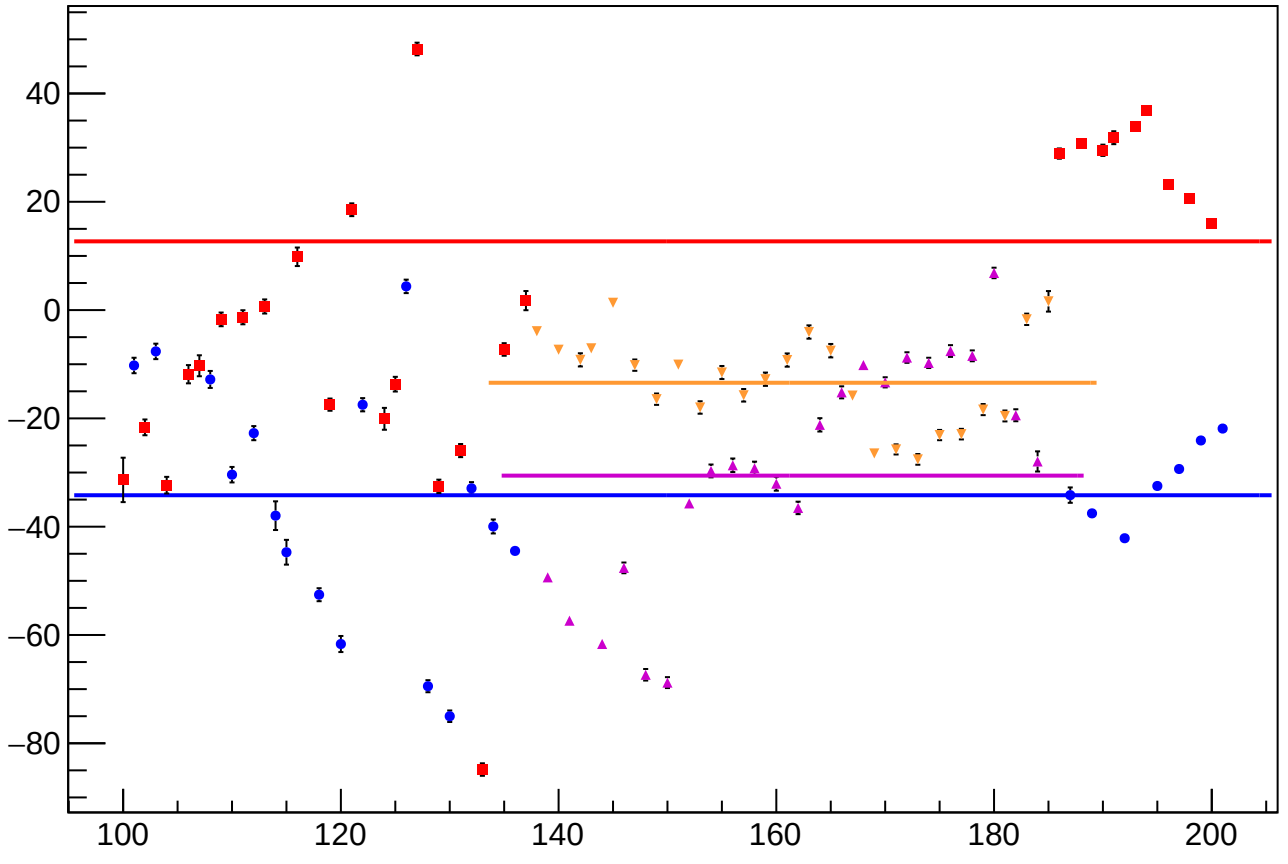
Right Out: 733.144+/-0.142 χ^2/NDF: 871472.6/27

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 823.474+/-0.105 χ^2/NDF: 1702960.8/47

All: 818.172+/-0.074 χ^2/NDF: 3732117.8/98

- sign 813.030+/-0.103 χ^2/NDF: 2024128.0/50



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: 12.694+/-0.197 χ^2/NDF: 18765.8/27

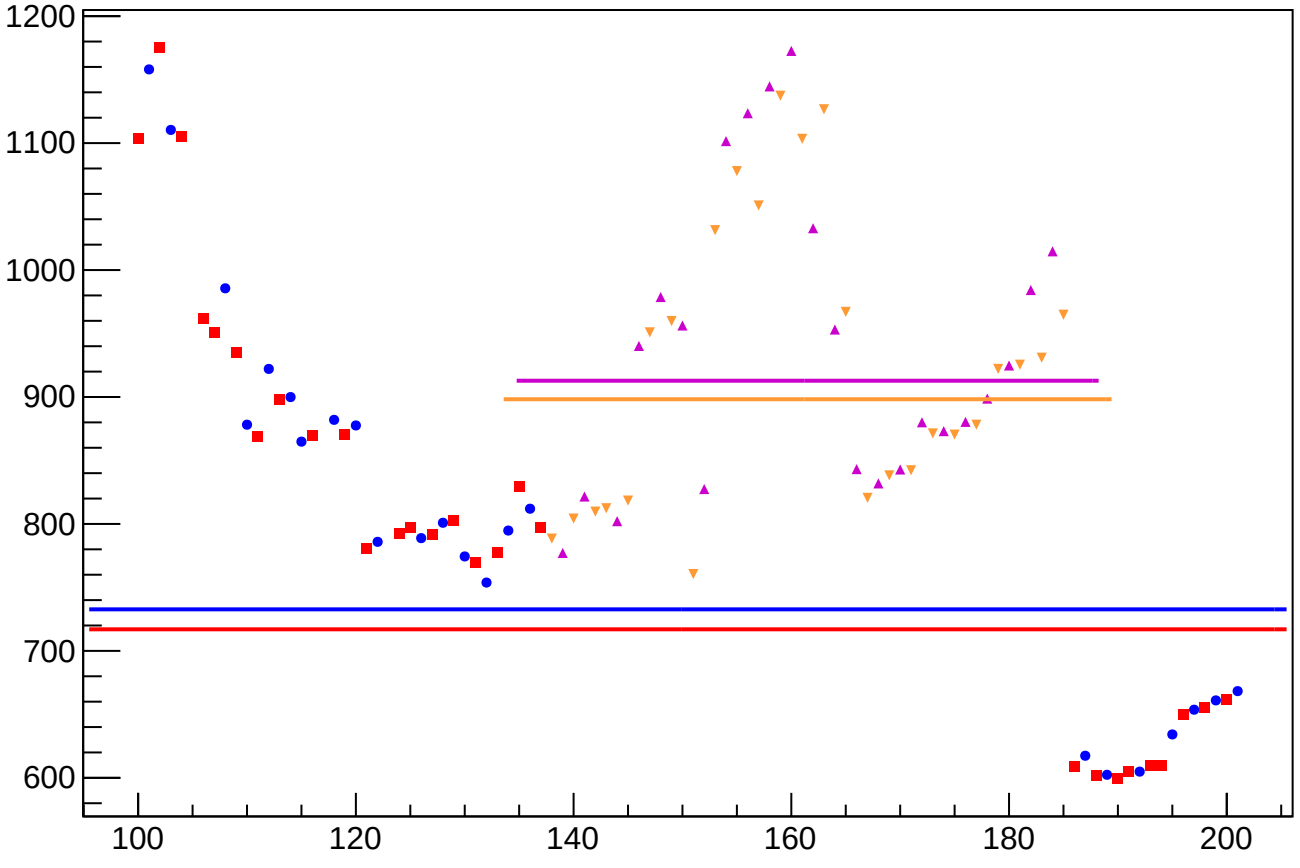
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -23.514+/-0.148 χ^2/NDF: 12606.2/47

All: -15.140+/-0.104 χ^2/NDF: 70080.2/98

- sign -7.034+/-0.145 χ^2/NDF: 51146.6/50

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: 716.993+/-0.139 χ^2/NDF: 948169.8/27

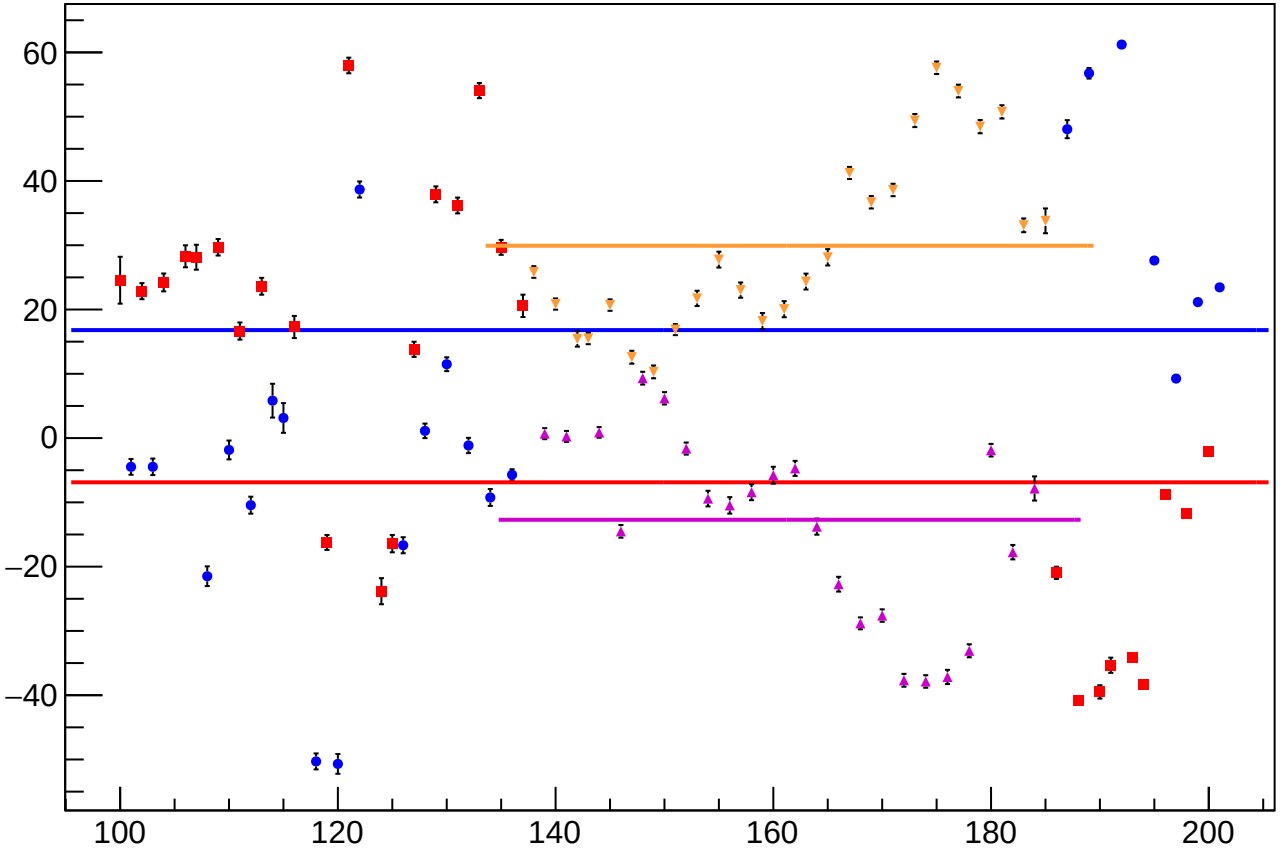
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 817.813+/-0.104 χ^2/NDF: 1935976.8/47

All: 811.955+/-0.073 χ^2/NDF: 4271509.5/98

- sign 806.284+/-0.103 χ^2/NDF: 2329339.2/50

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: -6.880+/-0.195 χ^2/NDF: 22603.4/27

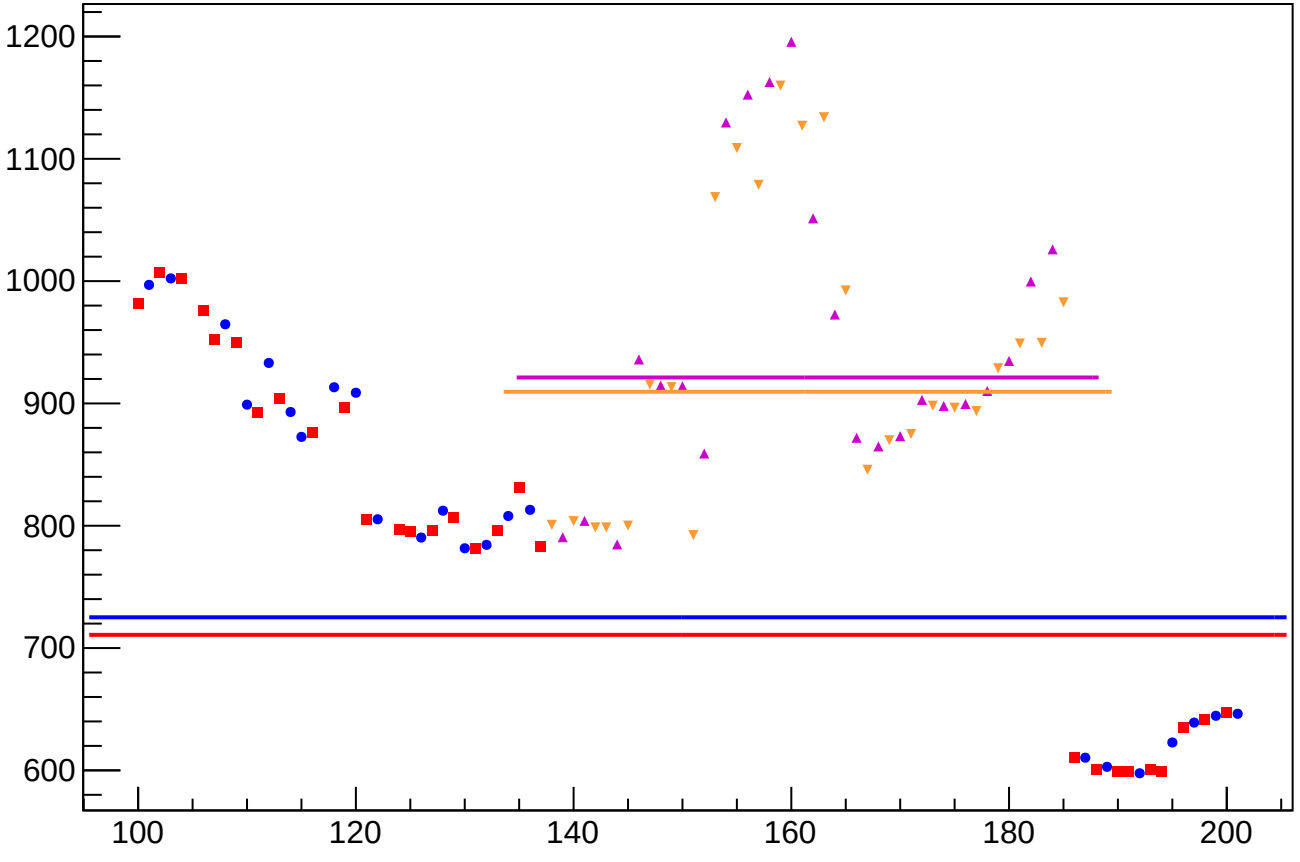
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 23.388+/-0.148 χ^2/NDF: 24472.8/47

All: 6.653+/-0.104 χ^2/NDF: 77451.5/98

- sign -9.484+/-0.145 χ^2/NDF: 27793.2/50

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

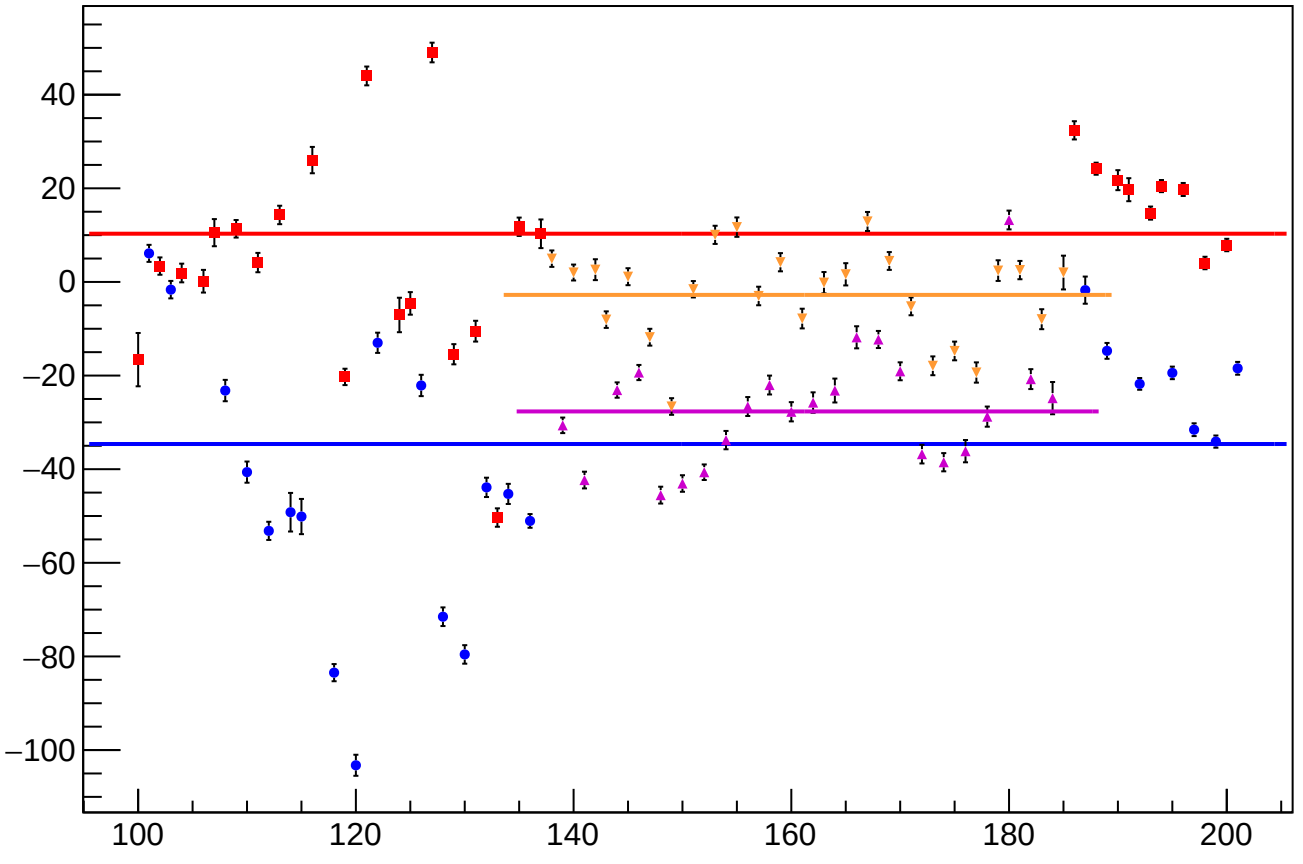
Right Out: 710.802+/-0.138 χ^2/NDF: 901957.1/27

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

\+ sign 817.752+/-0.105 χ^2/NDF: 2067714.6/47

All: 811.156+/-0.073 χ^2/NDF: 4513788.6/98

\- sign 804.797+/-0.103 χ^2/NDF: 2438250.2/50



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: 10.304+/-0.357 χ^2/NDF: 2716.3/27

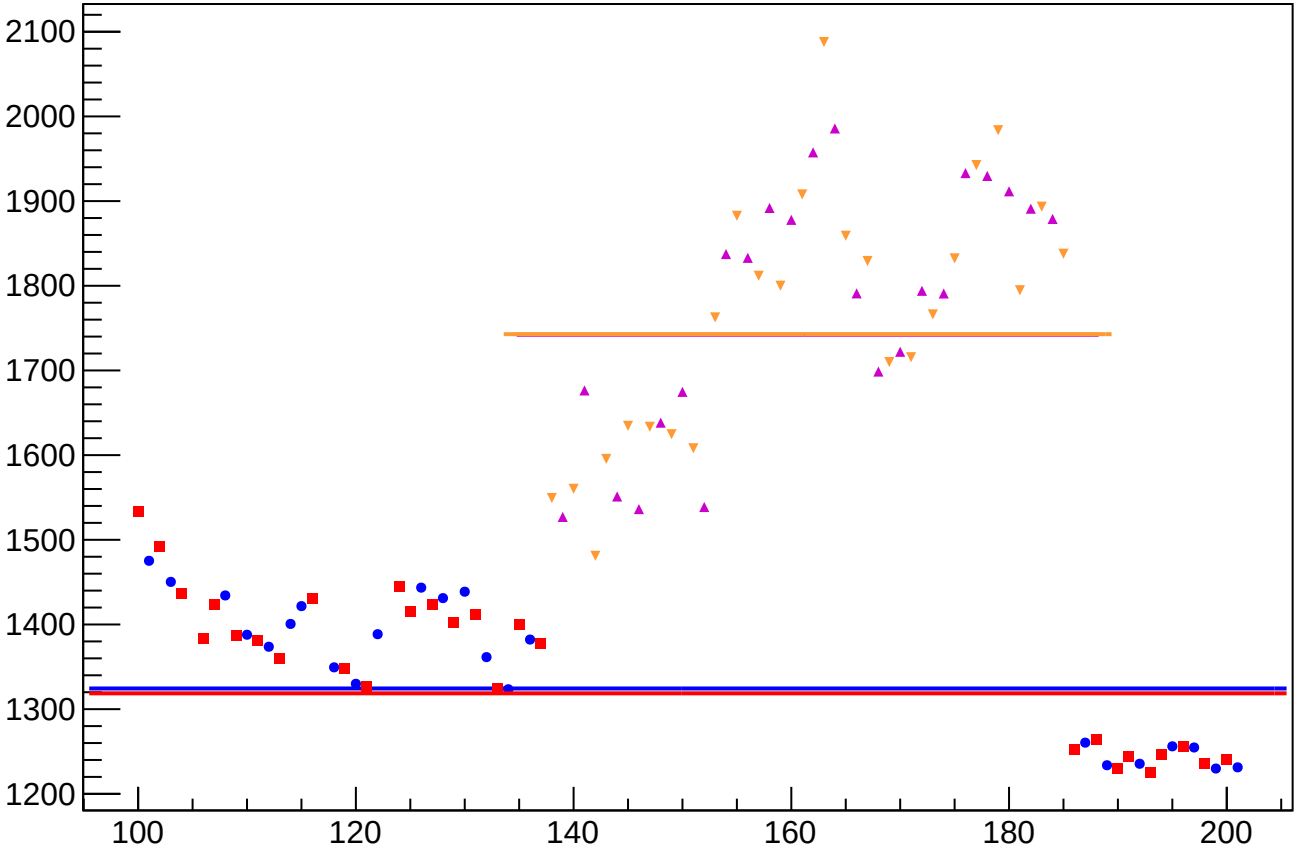
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -19.514+/-0.274 χ^2/NDF: 8407.3/47

All: -12.688+/-0.192 χ^2/NDF: 18234.2/98

\- sign -6.108+/-0.269 χ^2/NDF: 8605.1/50

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: 1318.705+/-0.252 χ^2/NDF: 106910.1/27

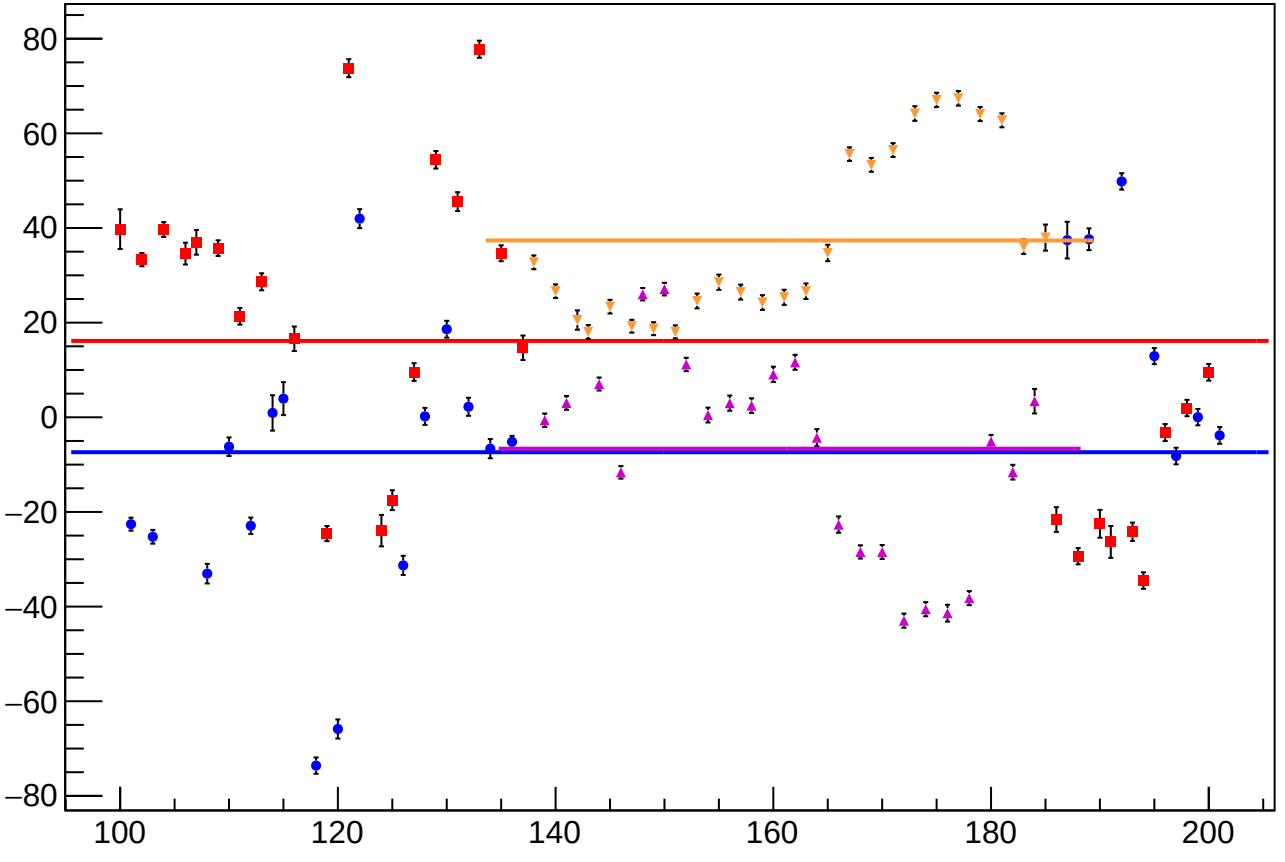
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1522.865+/-0.194 χ^2/NDF: 1531827.2/47

All: 1512.112+/-0.136 χ^2/NDF: 3125158.2/98

- sign 1501.745+/-0.190 χ^2/NDF: 1587267.1/50

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: 16.145+/-0.370 χ^2/NDF: 7330.0/27

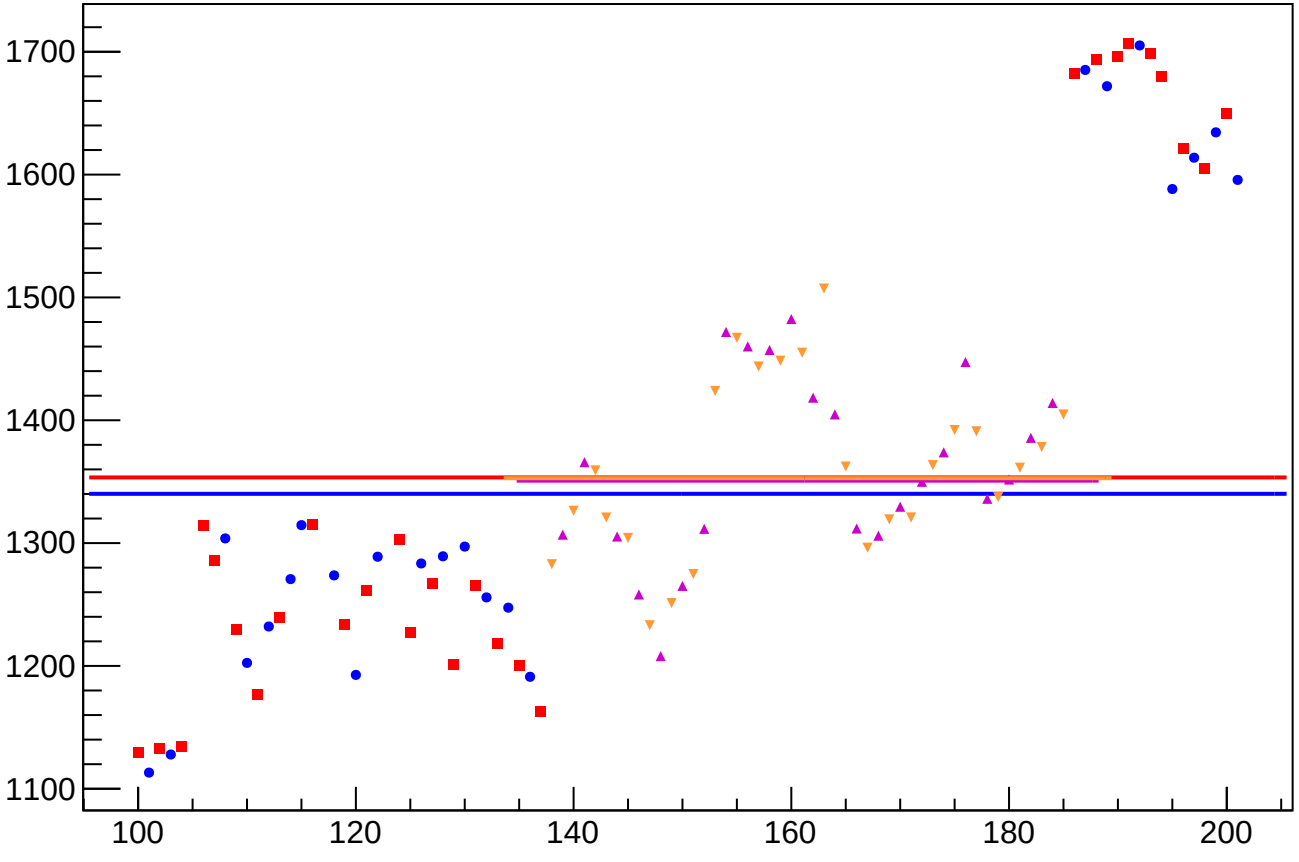
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 19.931+/-0.241 χ^2/NDF: 17231.8/47

All: 11.448+/-0.170 χ^2/NDF: 33649.1/98

- sign 2.979+/-0.240 χ^2/NDF: 13931.4/50

diff_bpm0i02Y_rms vs Slug



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: 1353.448+/-0.262 χ^2/NDF: 653597.7/27

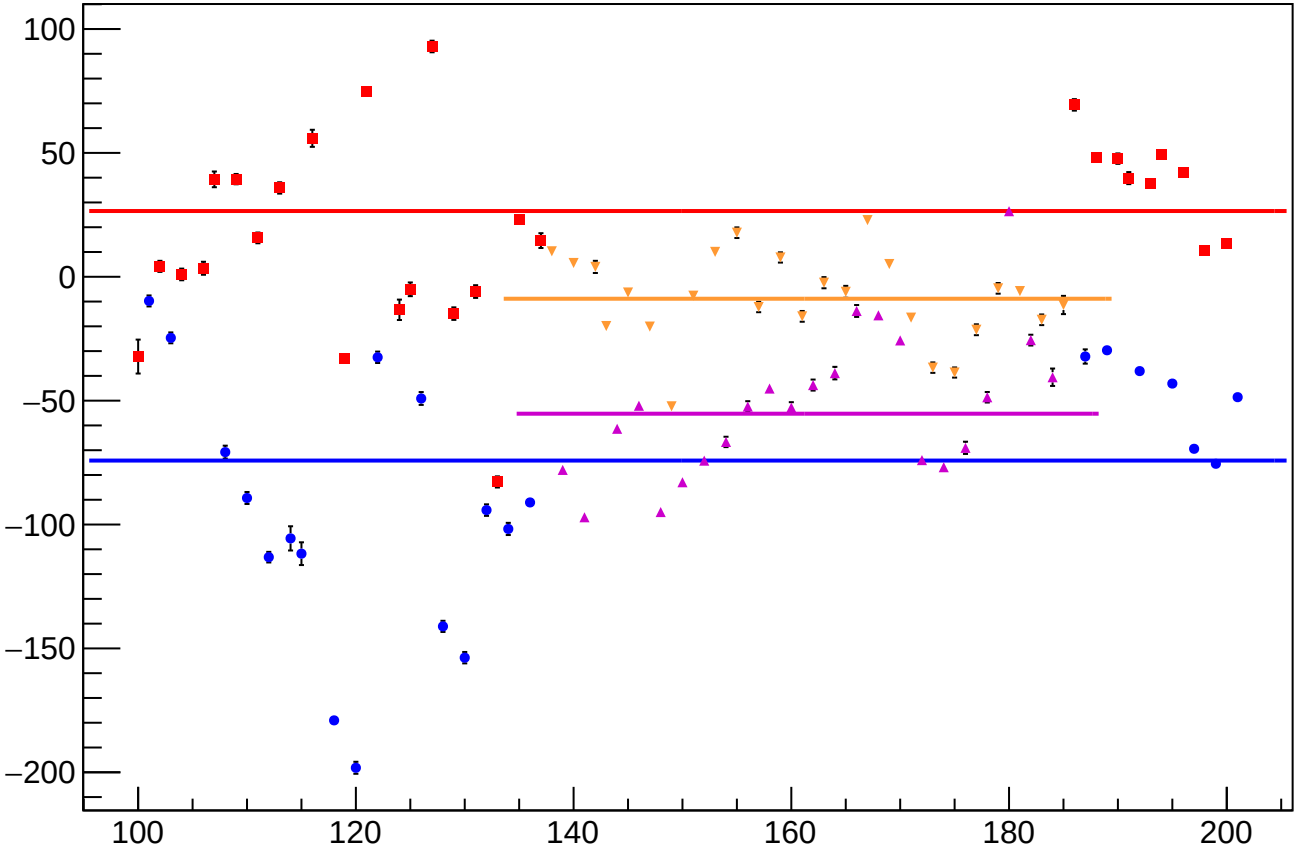
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1347.871+/-0.170 χ^2/NDF: 614896.5/47

All: 1349.904+/-0.120 χ^2/NDF: 1377456.4/98

- sign 1351.935+/-0.170 χ^2/NDF: 762274.1/50

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: 26.542+/-0.389 χ^2/NDF: 7235.1/27

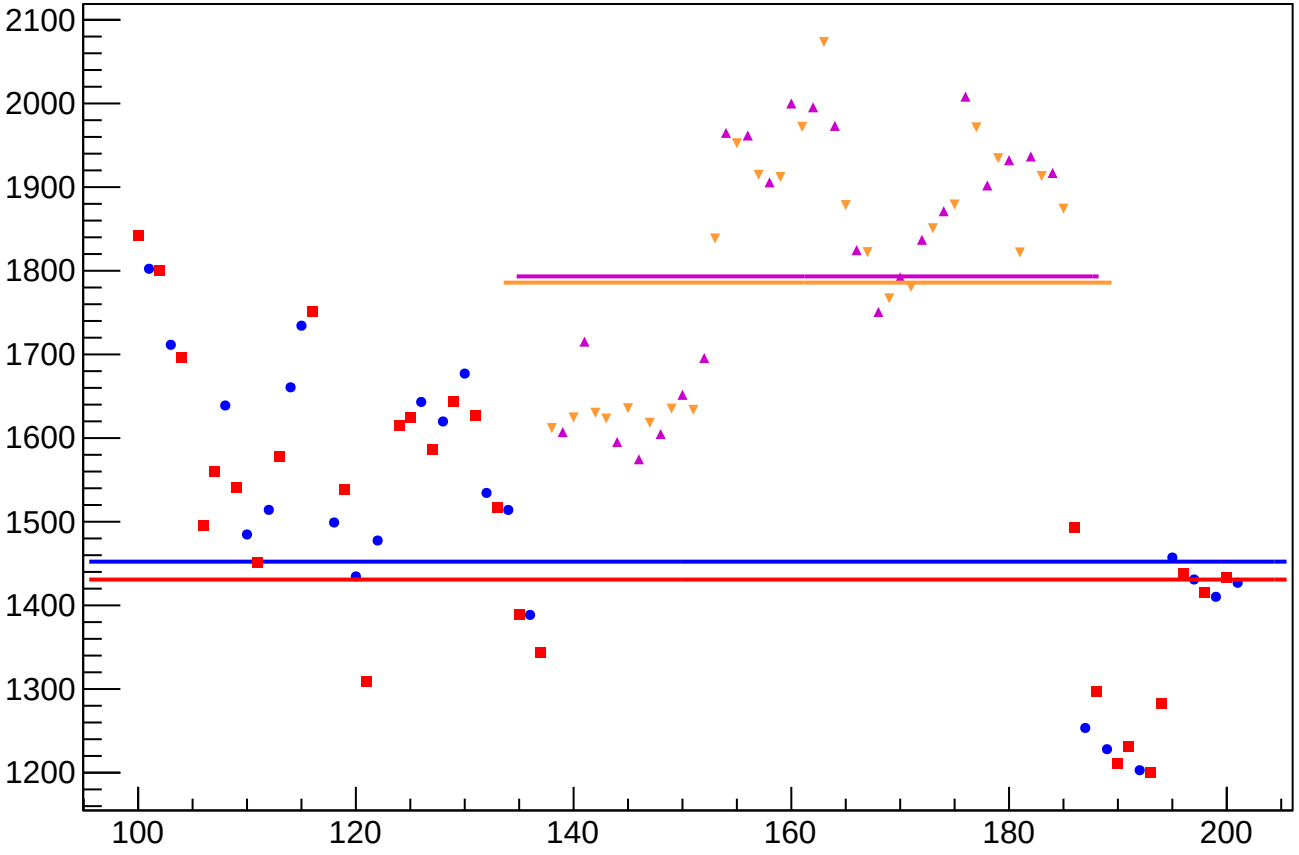
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

\+ sign -40.859+/-0.291 χ^2/NDF: 26928.0/47

All: -25.732+/-0.204 χ^2/NDF: 64620.4/98

\- sign -11.159+/-0.285 χ^2/NDF: 32380.0/50

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: 1430.863+/-0.275 χ^2/NDF: 329824.8/27

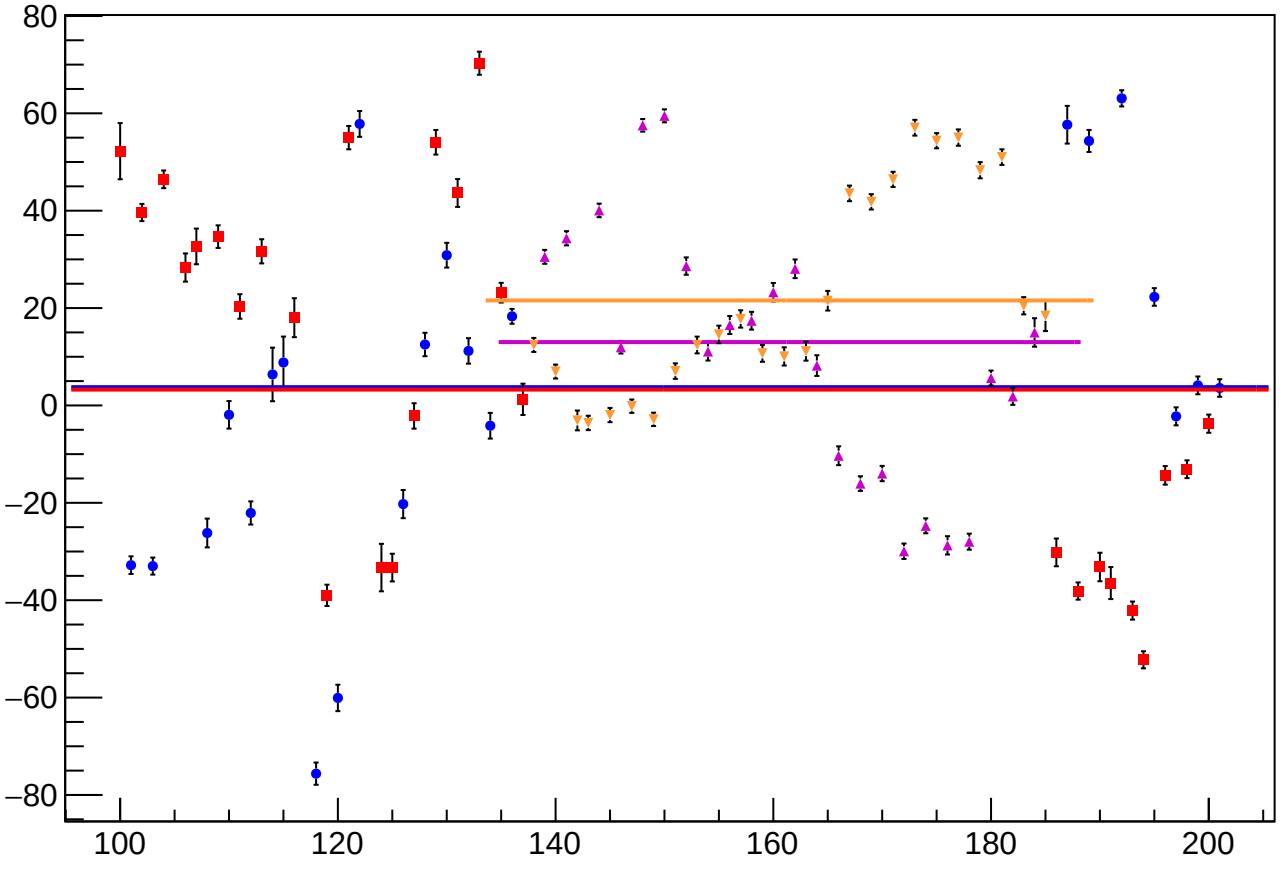
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1622.422+/-0.206 χ^2/NDF: 1176249.4/47

All: 1609.915+/-0.144 χ^2/NDF: 2567065.8/98

- sign 1597.866+/-0.202 χ^2/NDF: 1383553.5/50

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: 3.254+/-0.446 χ^2/NDF: 6904.5/27

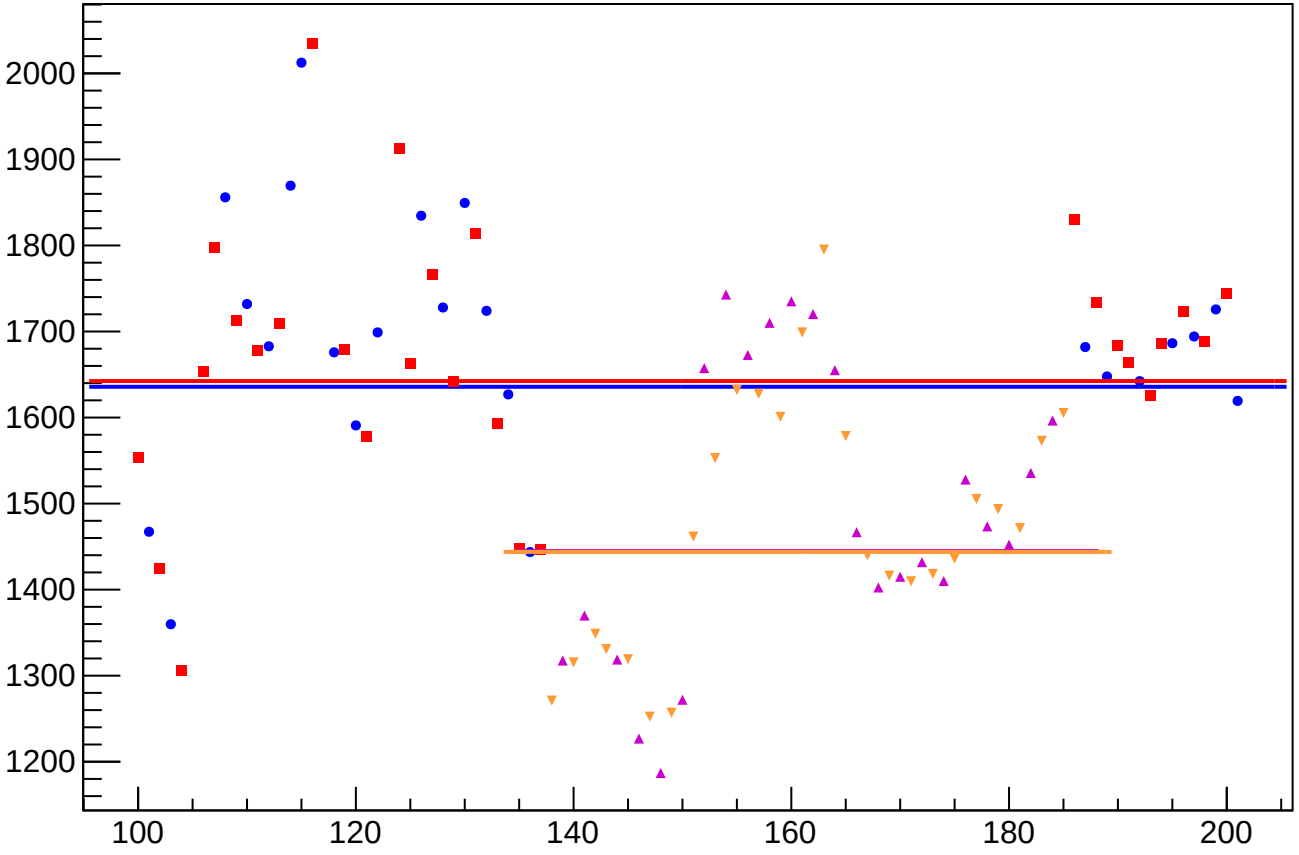
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 15.645+/-0.270 χ^2/NDF: 10756.4/47

All: 12.542+/-0.191 χ^2/NDF: 24857.1/98

- sign 9.422+/-0.270 χ^2/NDF: 13834.9/50

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: 1642.415+/-0.315 χ^2/NDF: 199785.7/27

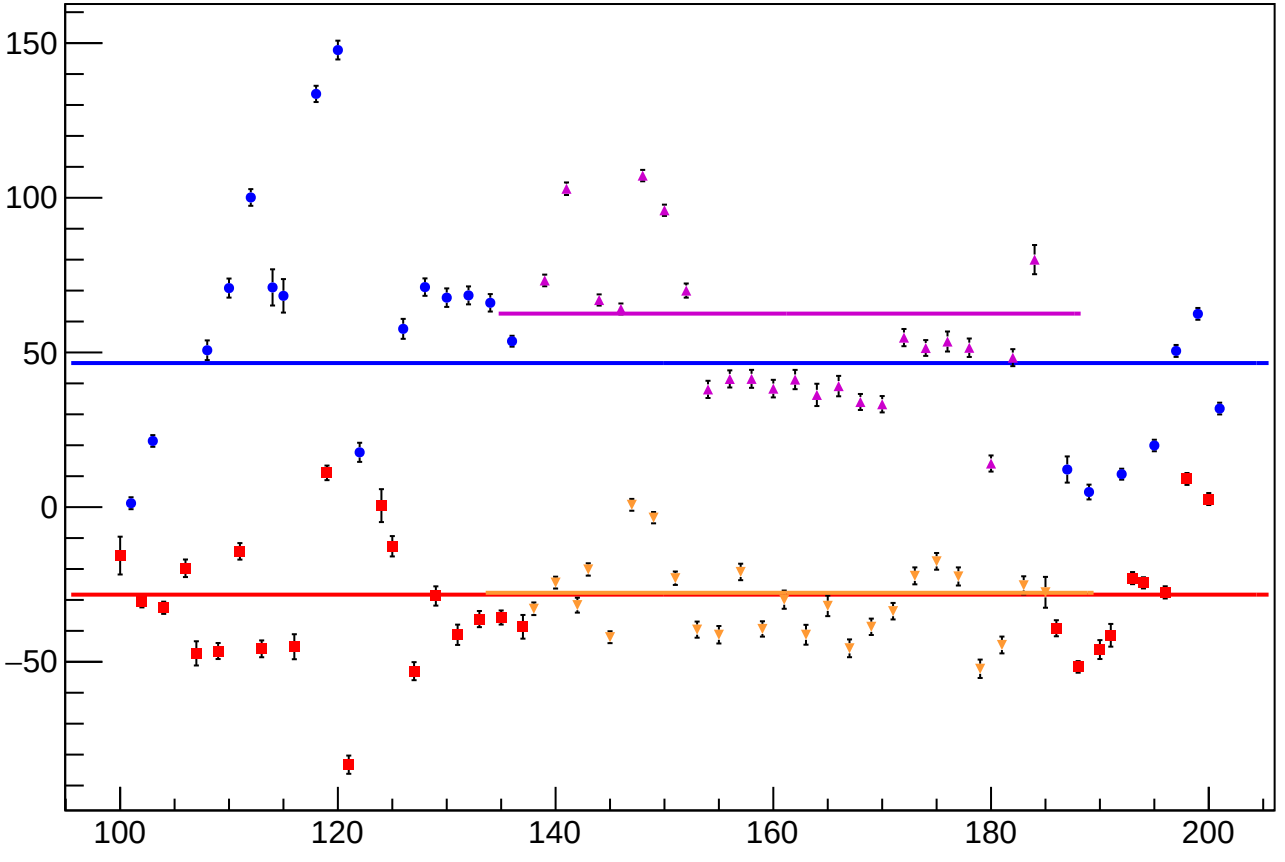
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1507.621+/-0.191 χ^2/NDF: 743857.2/47

All: 1512.568+/-0.135 χ^2/NDF: 1678802.3/98

- sign 1517.543+/-0.191 χ^2/NDF: 933594.1/50

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: -28.290+/-0.479 χ^2/NDF: 1835.4/27

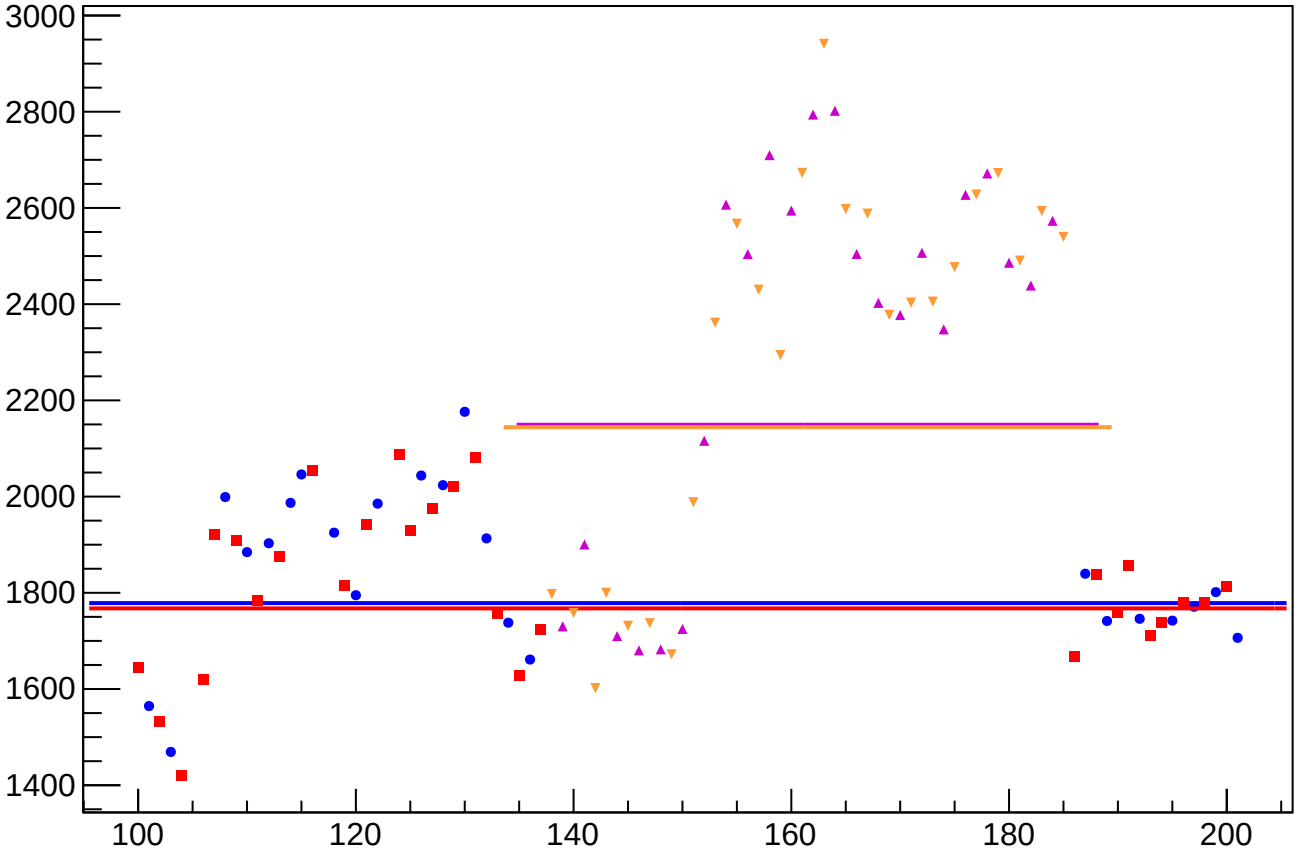
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

\+ sign 8.520+/-0.355 χ^2/NDF: 16586.1/47

All: 11.383+/-0.249 χ^2/NDF: 37796.2/98

\- sign 14.162+/-0.350 χ^2/NDF: 21082.0/50

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: 1767.587+/-0.339 χ^2/NDF: 200350.2/27

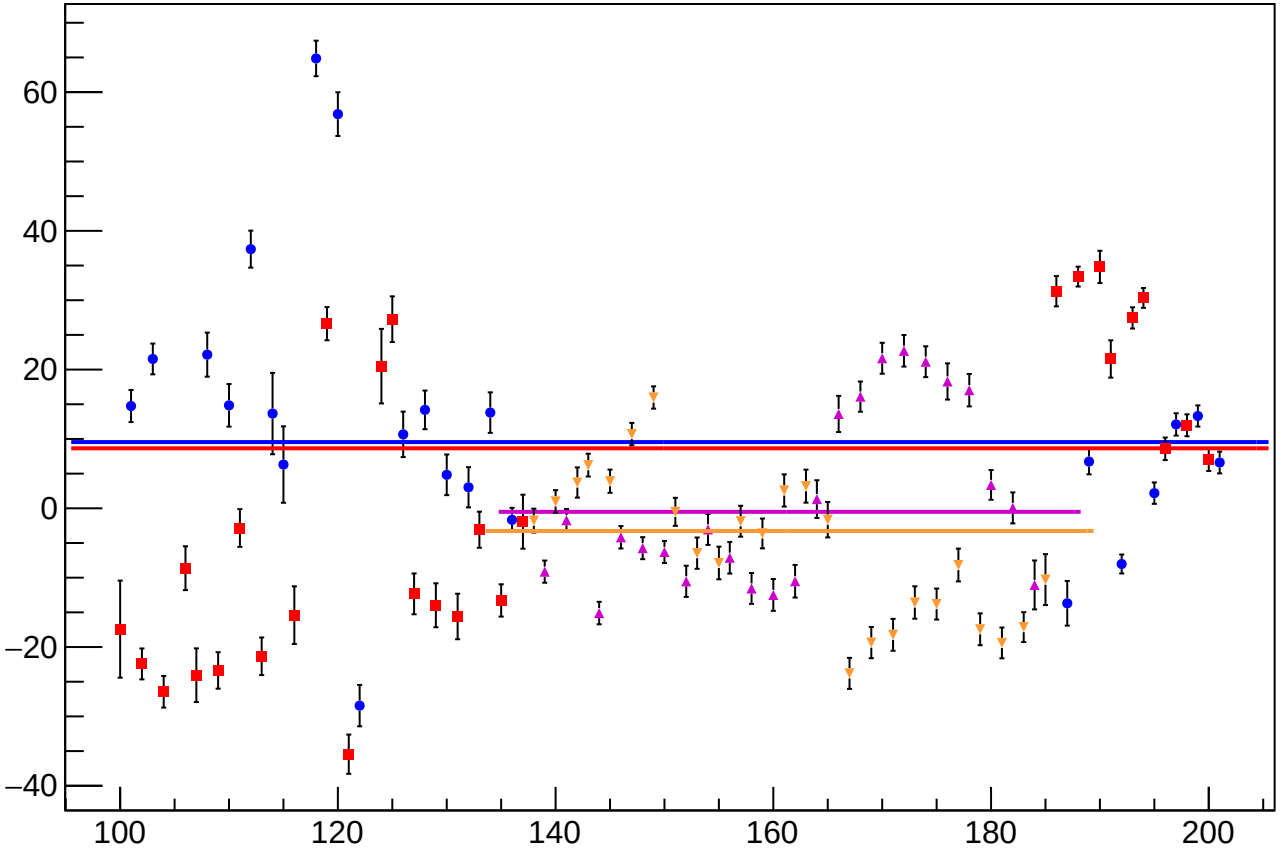
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1965.940+/-0.251 χ^2/NDF: 2009837.6/47

All: 1955.813+/-0.176 χ^2/NDF: 4072047.2/98

- sign 1945.983+/-0.247 χ^2/NDF: 2059003.5/50

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

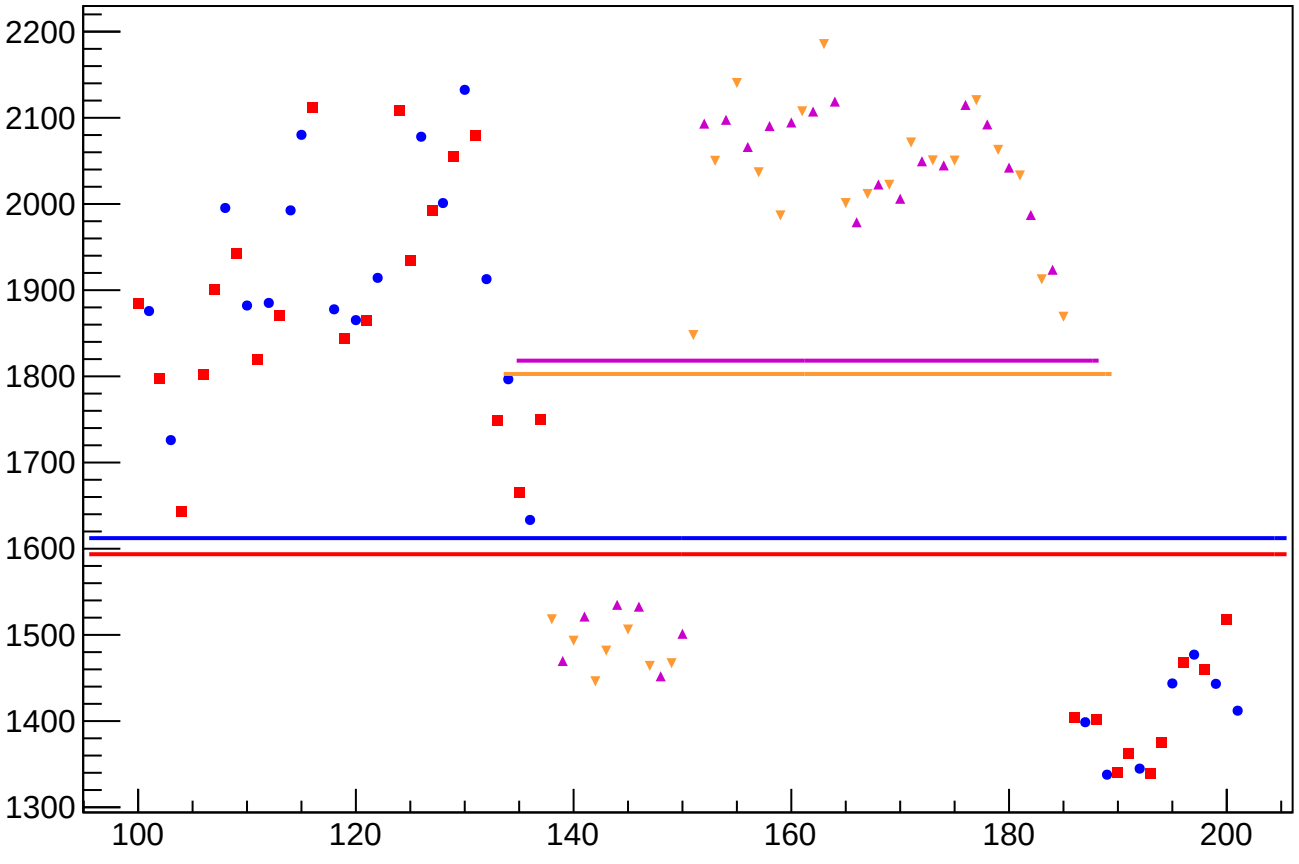
Right Out: 8.649+/-0.435 χ^2/NDF: 2419.1/27

Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.415+/-0.309 χ^2/NDF: 2420.4/47

All: 3.222+/-0.217 χ^2/NDF: 5823.1/98

- sign 4.012+/-0.306 χ^2/NDF: 3389.2/50



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: 1593.621+/-0.308 χ^2/NDF: 580227.4/27

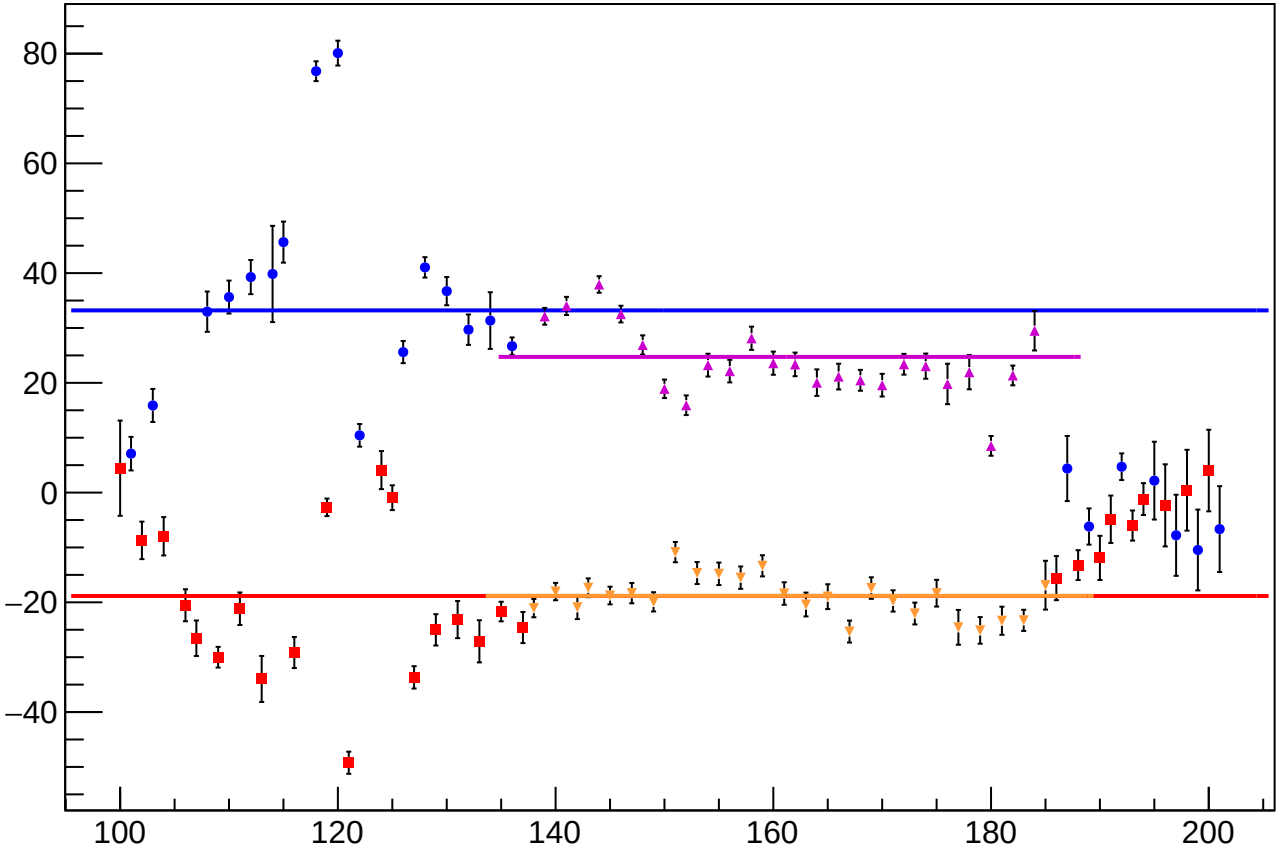
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1718.239+/-0.219 χ^2/NDF: 1656087.8/47

All: 1712.718+/-0.154 χ^2/NDF: 3347643.5/98

- sign 1707.320+/-0.216 χ^2/NDF: 1690295.0/50

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: -18.843+/-0.537 χ^2/NDF: 698.4/27

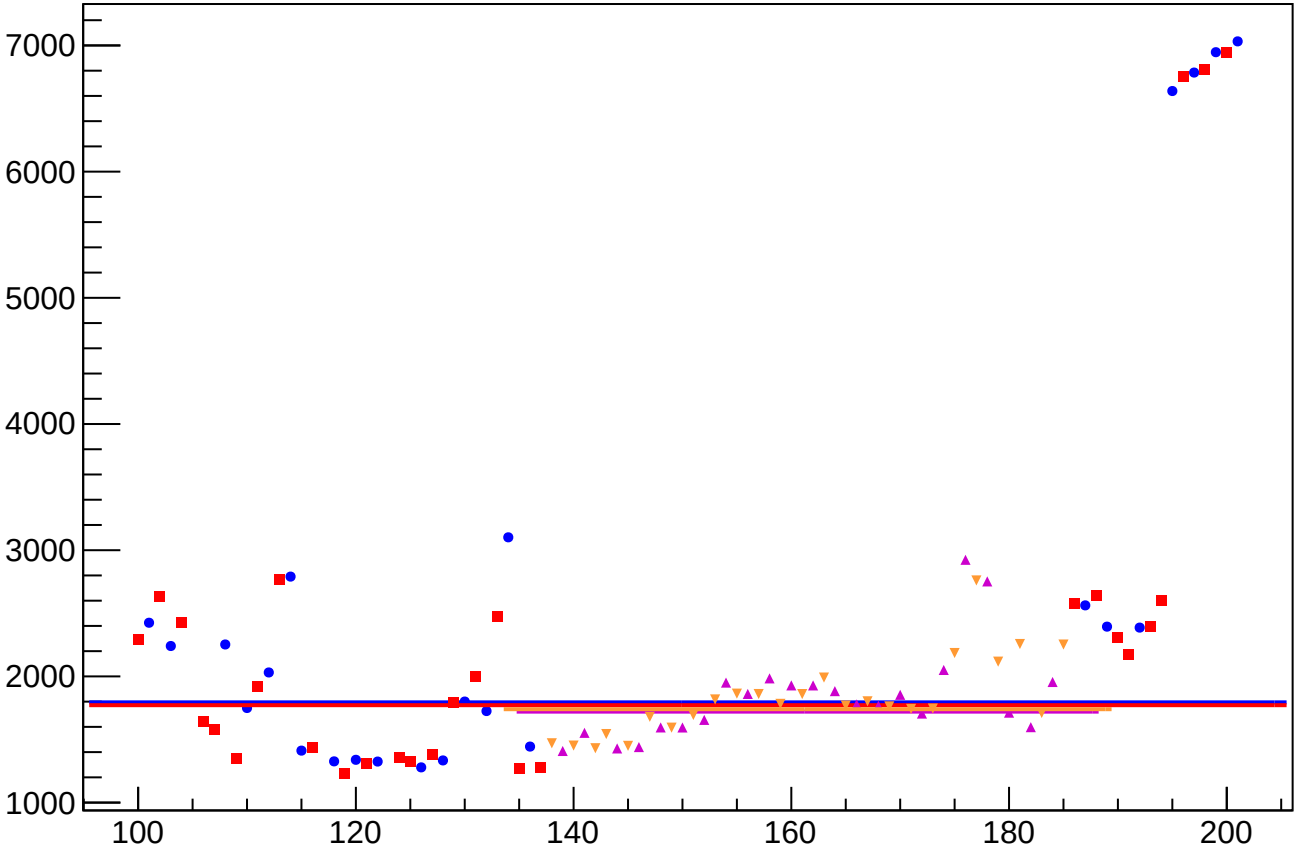
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.050+/-0.331 χ^2/NDF: 7194.2/47

All: 3.446+/-0.232 χ^2/NDF: 12908.2/98

\- sign 8.760+/-0.325 χ^2/NDF: 5171.3/50

diff_bpm0i07X_rms vs Slug



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: 1771.909+/-0.380 χ^2/NDF: 4670592.1/27

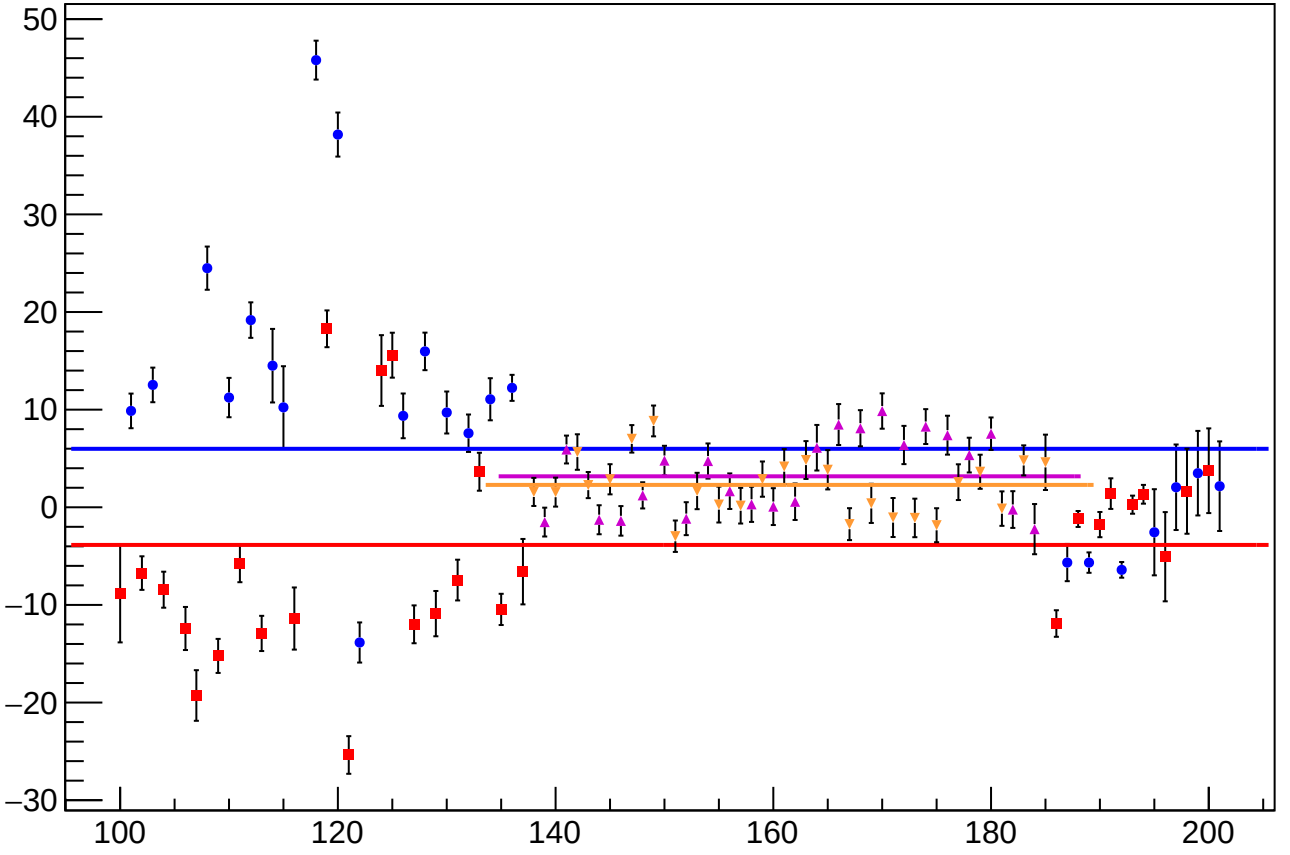
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1757.542+/-0.234 χ^2/NDF: 5721652.2/47

All: 1748.407+/-0.164 χ^2/NDF: 11290664.3/9

- sign 1739.574+/-0.230 χ^2/NDF: 5566013.3/50

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: -3.856+/-0.321 χ^2/NDF: 668.5/27

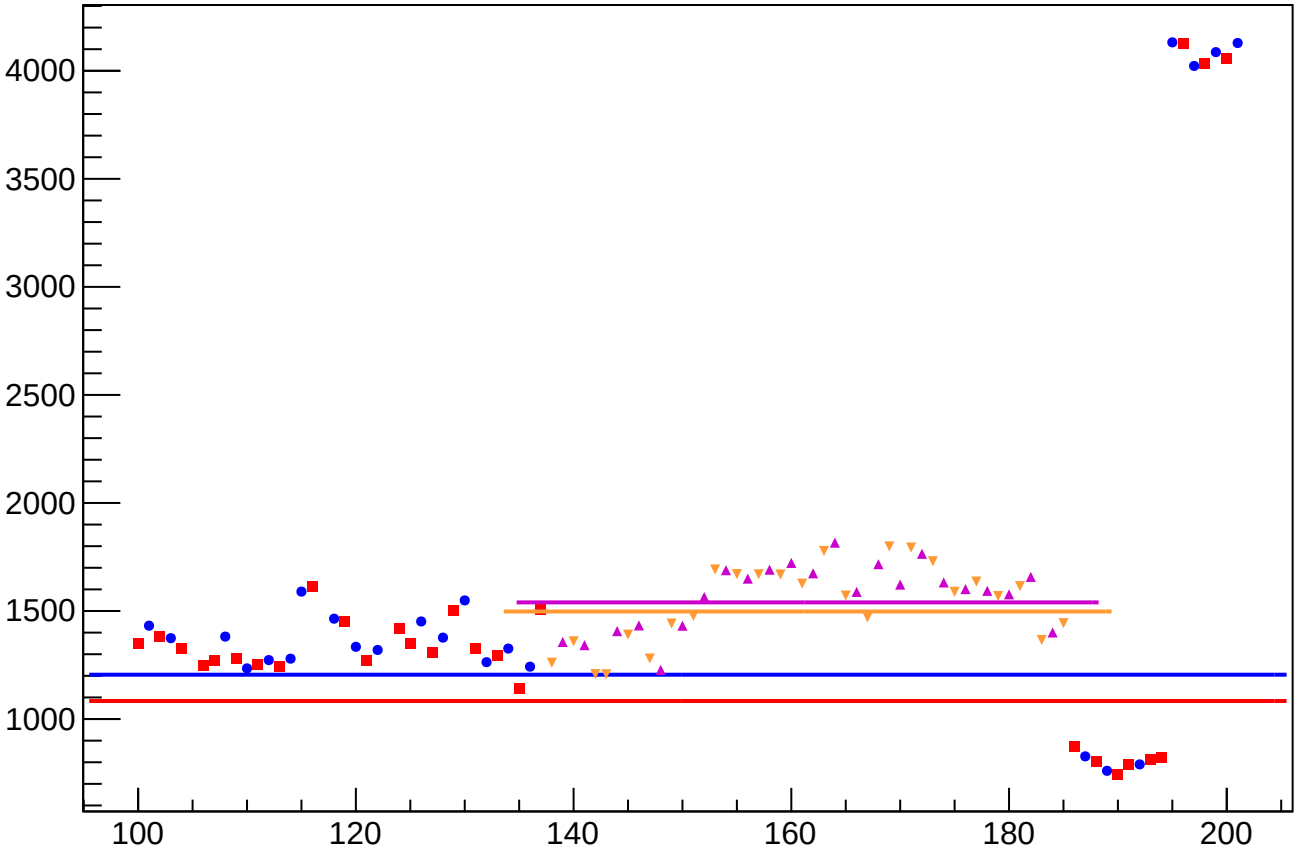
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

\+ sign 3.948+/-0.255 χ^2/NDF: 1441.0/47

All: 1.446+/-0.175 χ^2/NDF: 2612.0/98

\- sign -0.769+/-0.240 χ^2/NDF: 989.8/50

diff_bpm0i07Y_rms vs Slug



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: 1083.538+/-0.227 χ^2/NDF: 4112609.8/27

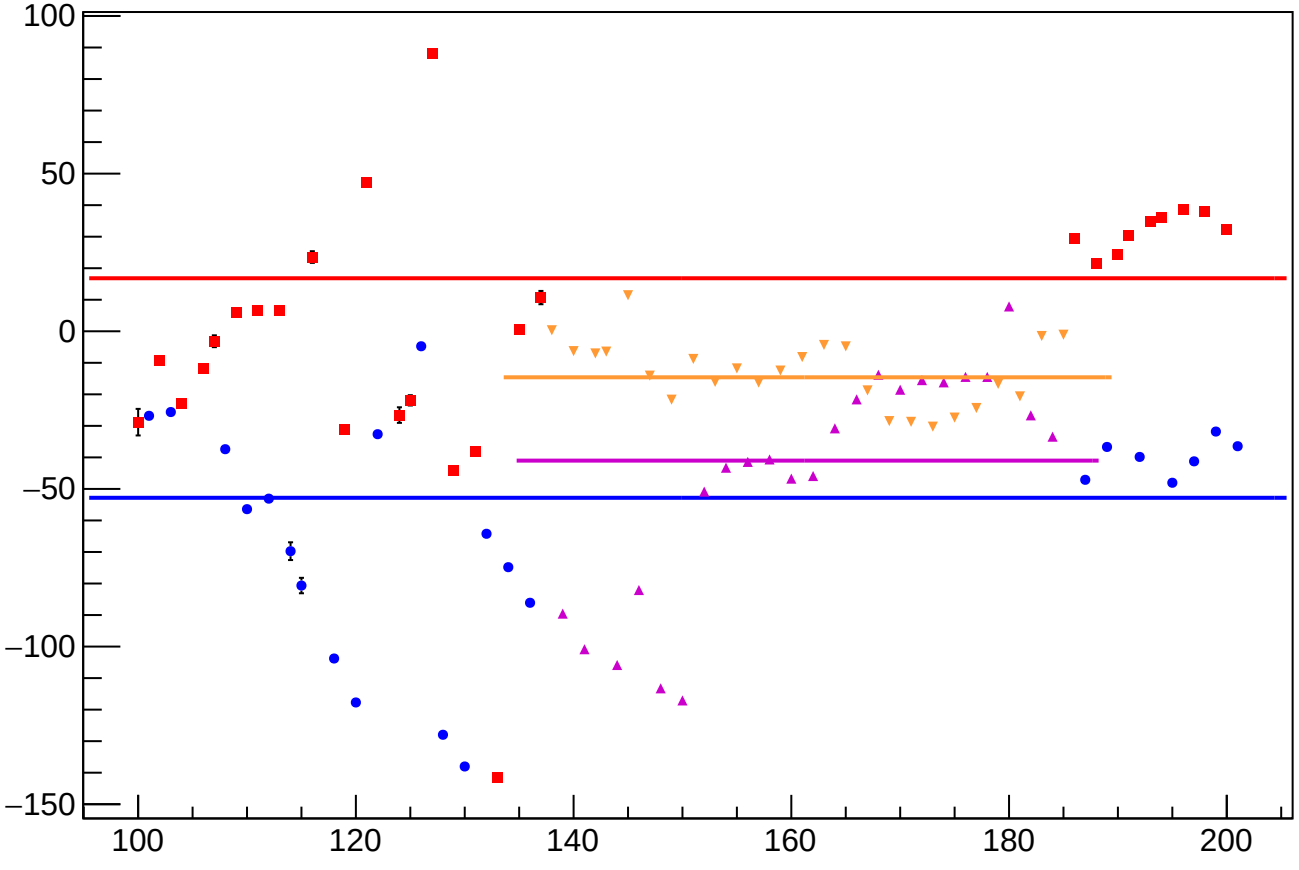
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1366.711+/-0.180 χ^2/NDF: 5829241.8/47

All: 1322.810+/-0.124 χ^2/NDF: 12212092.4/9

- sign 1283.934+/-0.170 χ^2/NDF: 6271277.7/50

diff_bpm1i02X_mean vs Slug



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: 16.817+/-0.208 χ^2/NDF: 29224.4/27

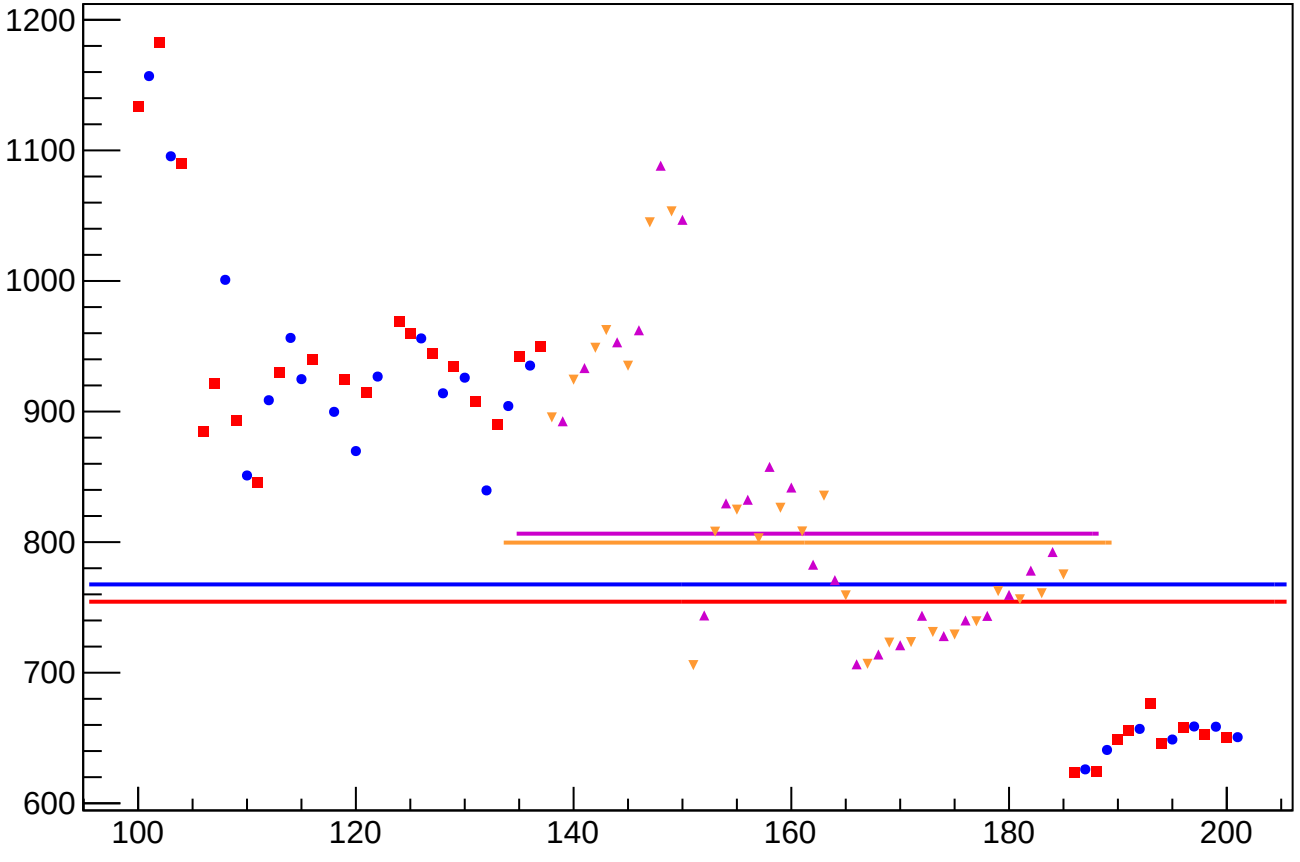
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -30.016+/-0.141 χ^2/NDF: 38484.2/47

All: -22.287+/-0.099 χ^2/NDF: 146987.2/98

- sign -14.692+/-0.140 χ^2/NDF: 102571.7/50

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

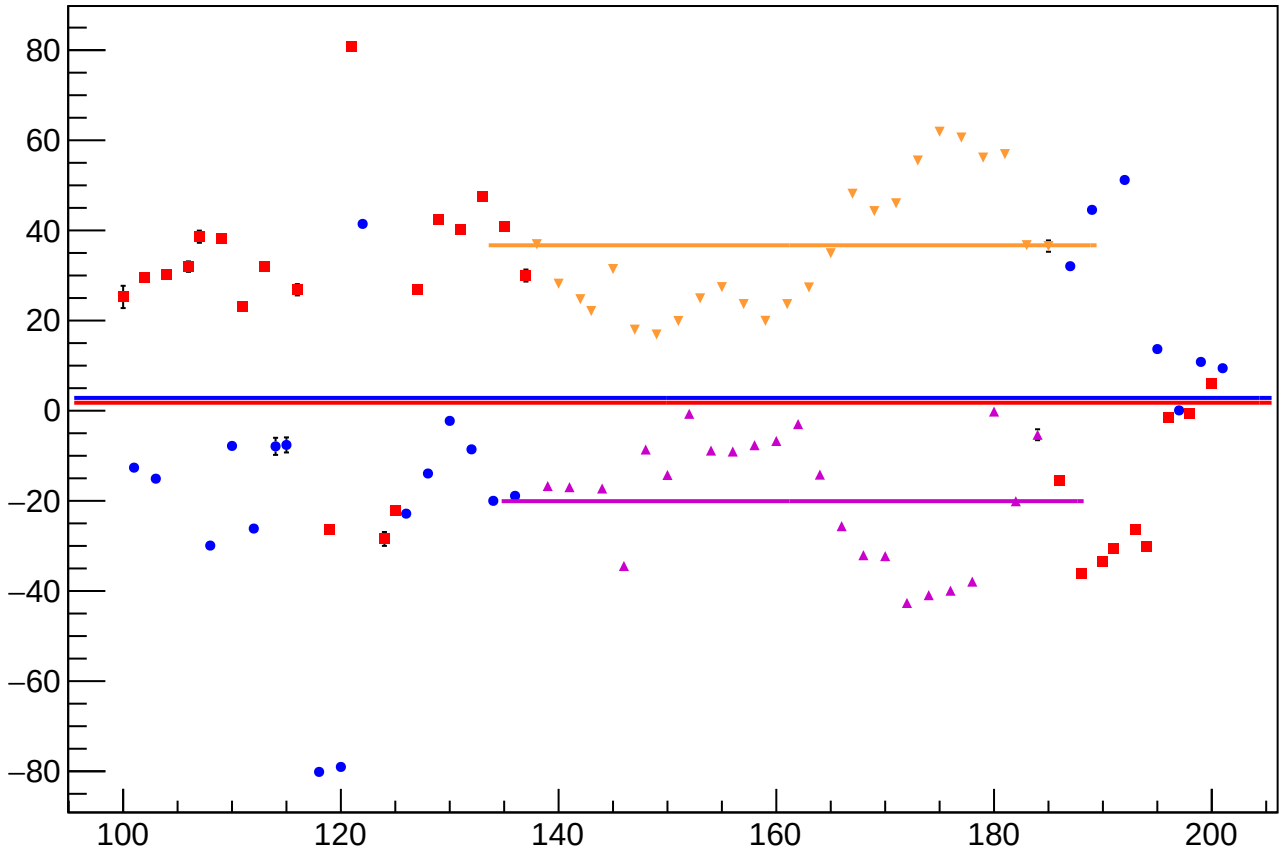
Right Out: 754.376+/-0.147 χ^2/NDF: 1032796.7/27

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 786.719+/-0.100 χ^2/NDF: 1419222.0/47

All: 784.723+/-0.070 χ^2/NDF: 3032726.5/98

- sign 782.760+/-0.099 χ^2/NDF: 1612712.8/50



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: 1.771+/-0.148 χ^2/NDF: 42950.6/27

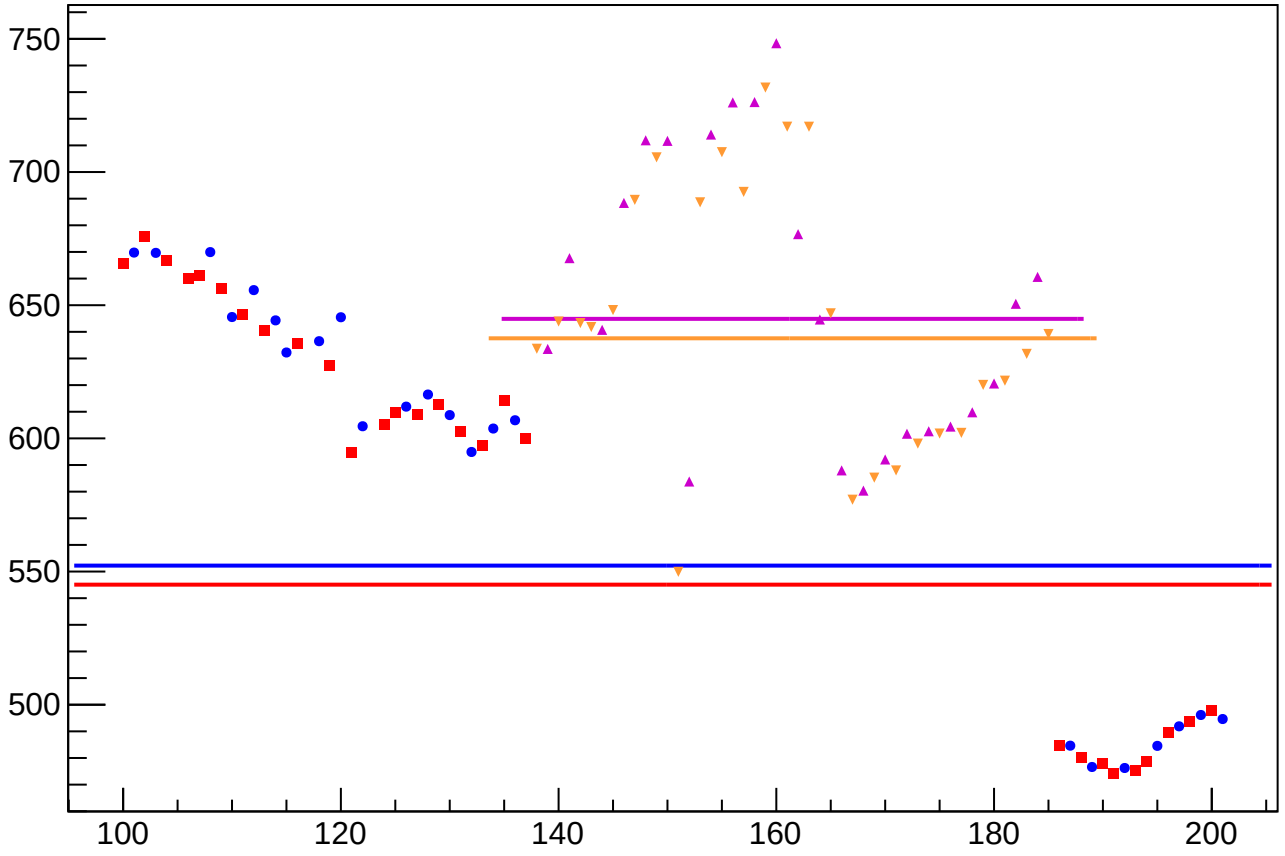
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

\+ sign 21.221+/-0.107 χ^2/NDF: 72989.4/47

All: 5.968+/-0.075 χ^2/NDF: 175208.4/98

\- sign -8.947+/-0.106 χ^2/NDF: 62132.2/50

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: 545.078+/-0.105 χ^2/NDF: 492785.6/27

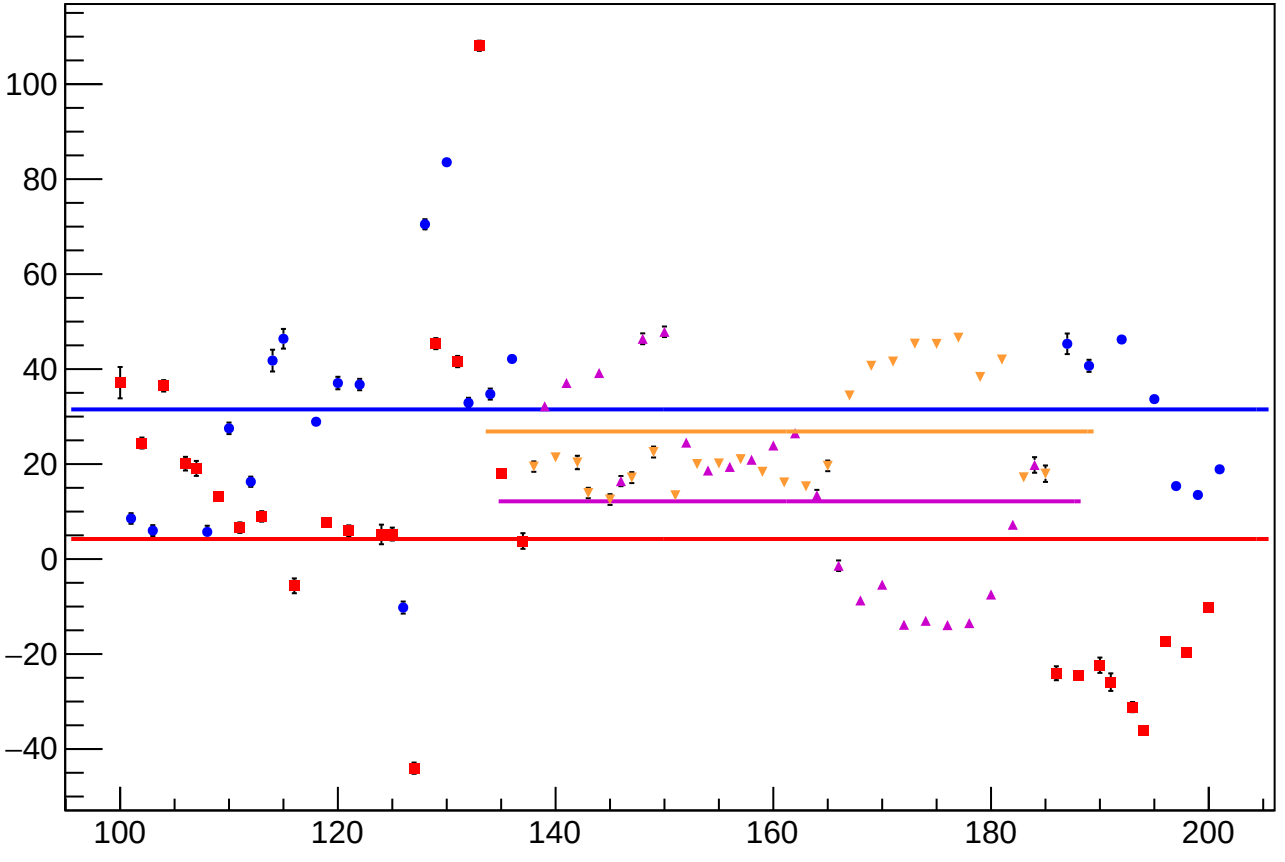
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 598.549+/-0.076 χ^2/NDF: 983539.0/47

All: 596.275+/-0.053 χ^2/NDF: 2151145.8/98

- sign 594.052+/-0.075 χ^2/NDF: 1165824.8/50

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: 4.226+/-0.228 χ^2/NDF: 20848.6/27

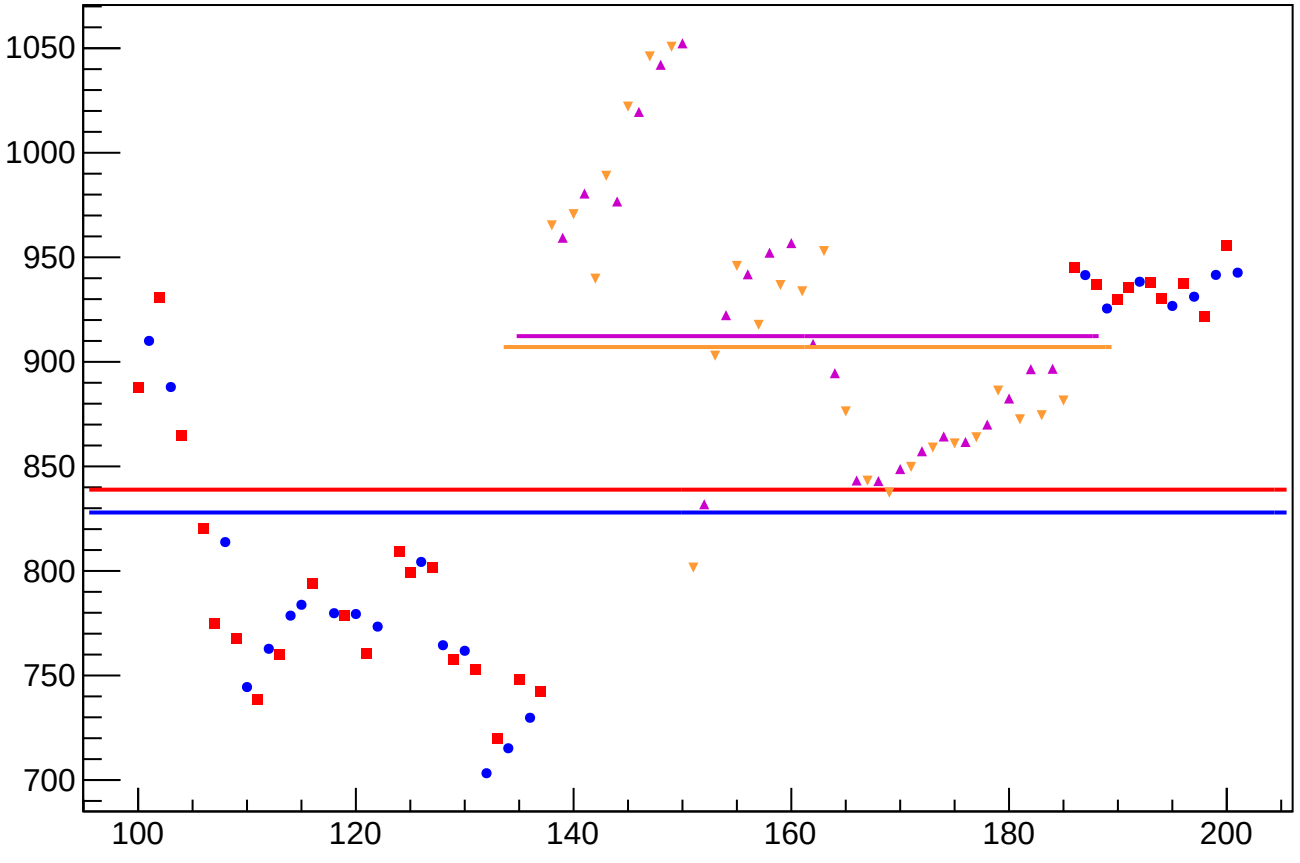
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 28.875+/-0.156 χ^2/NDF: 11397.8/47

All: 18.663+/-0.110 χ^2/NDF: 50043.1/98

- sign 8.443+/-0.156 χ^2/NDF: 30041.2/50

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: 838.883+/-0.161 χ^2/NDF: 279173.8/27

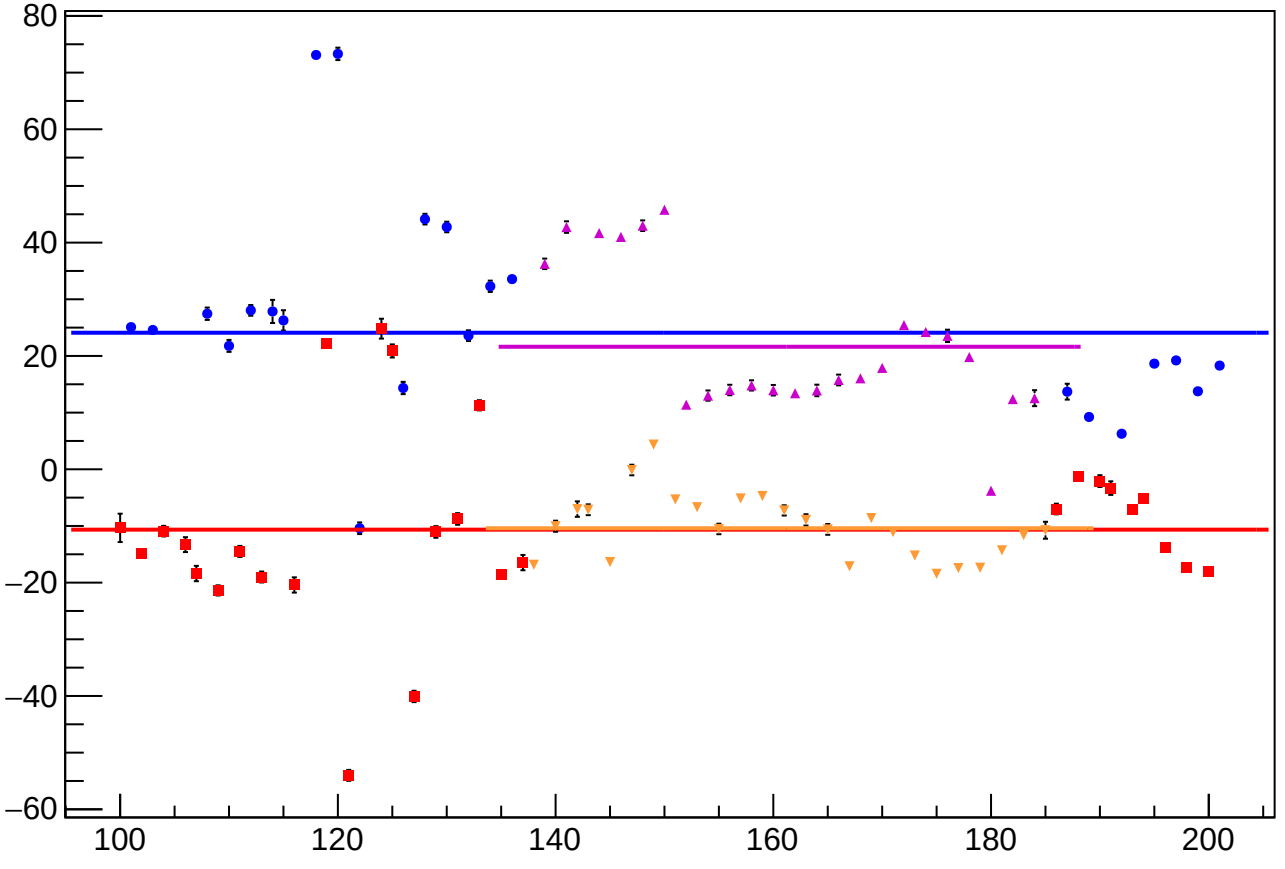
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 872.878+/-0.110 χ^2/NDF: 596305.2/47

All: 875.392+/-0.078 χ^2/NDF: 1161834.0/98

- sign 877.908+/-0.110 χ^2/NDF: 564486.1/50

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: -10.653+/-0.171 χ^2/NDF: 7298.8/27

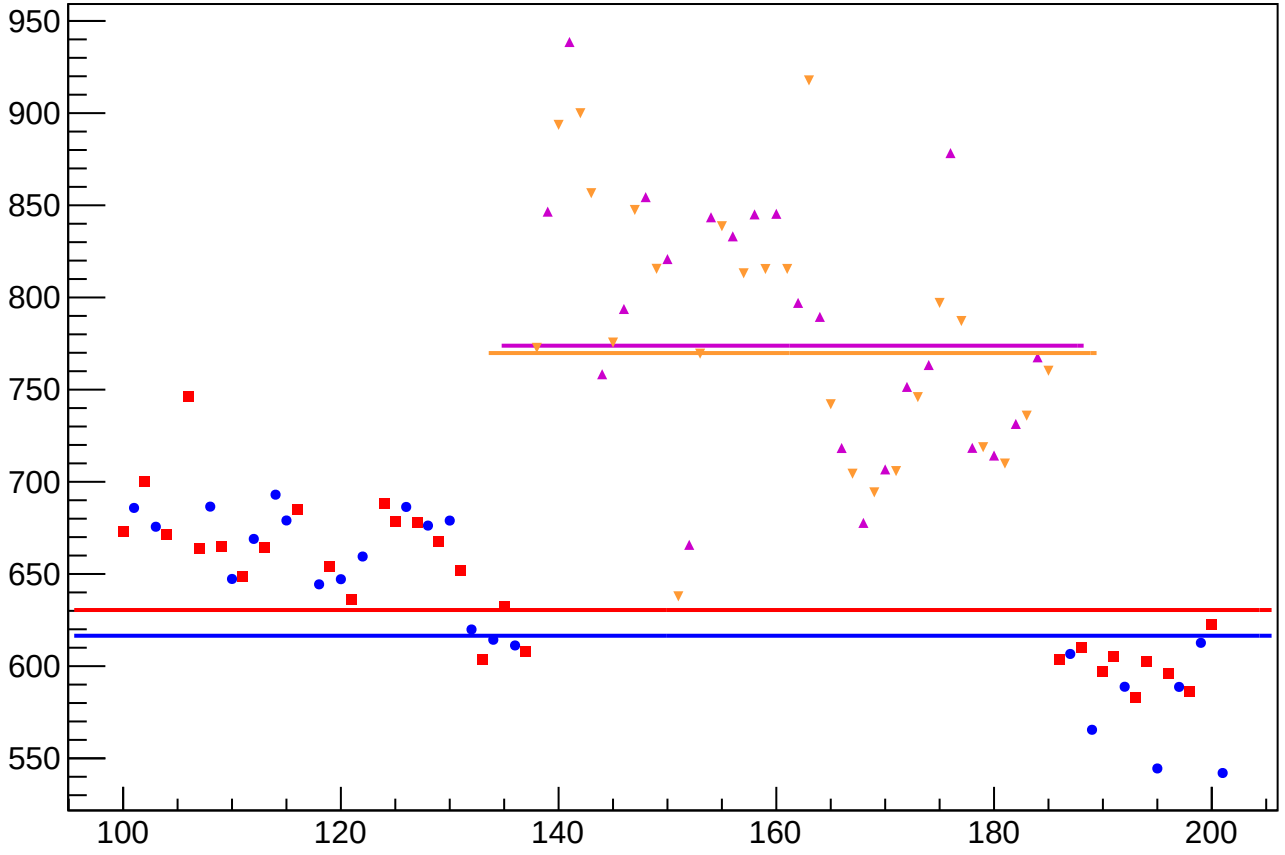
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 6.808+/-0.125 χ^2/NDF: 29541.7/47

All: 5.629+/-0.088 χ^2/NDF: 59000.5/98

- sign 4.453+/-0.124 χ^2/NDF: 29280.0/50

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: 630.453+/-0.121 χ^2/NDF: 97224.0/27

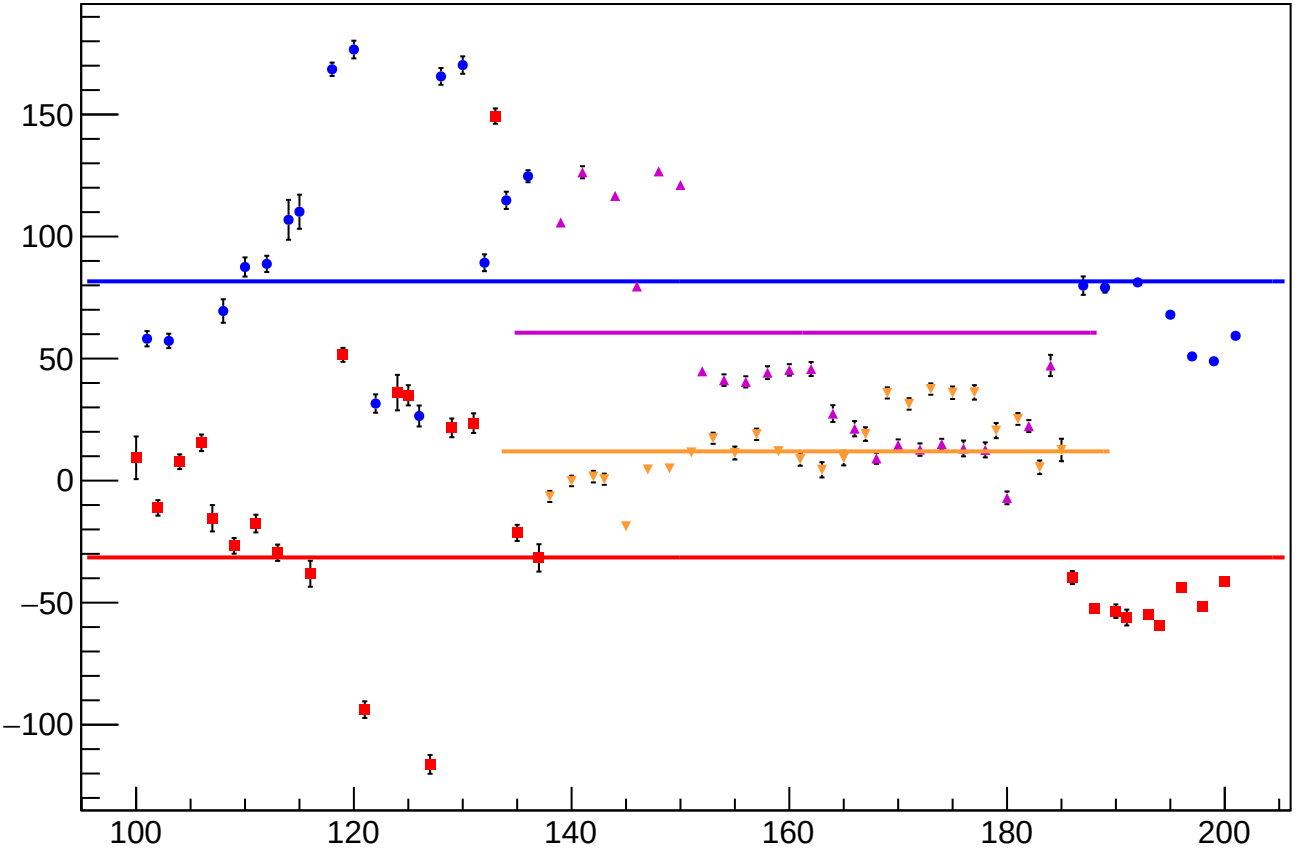
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 693.341+/-0.088 χ^2/NDF: 1215023.7/47

All: 695.456+/-0.062 χ^2/NDF: 2257105.6/98

- sign 697.568+/-0.088 χ^2/NDF: 1040929.6/50

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: -31.465+/-0.525 χ^2/NDF: 7091.3/27

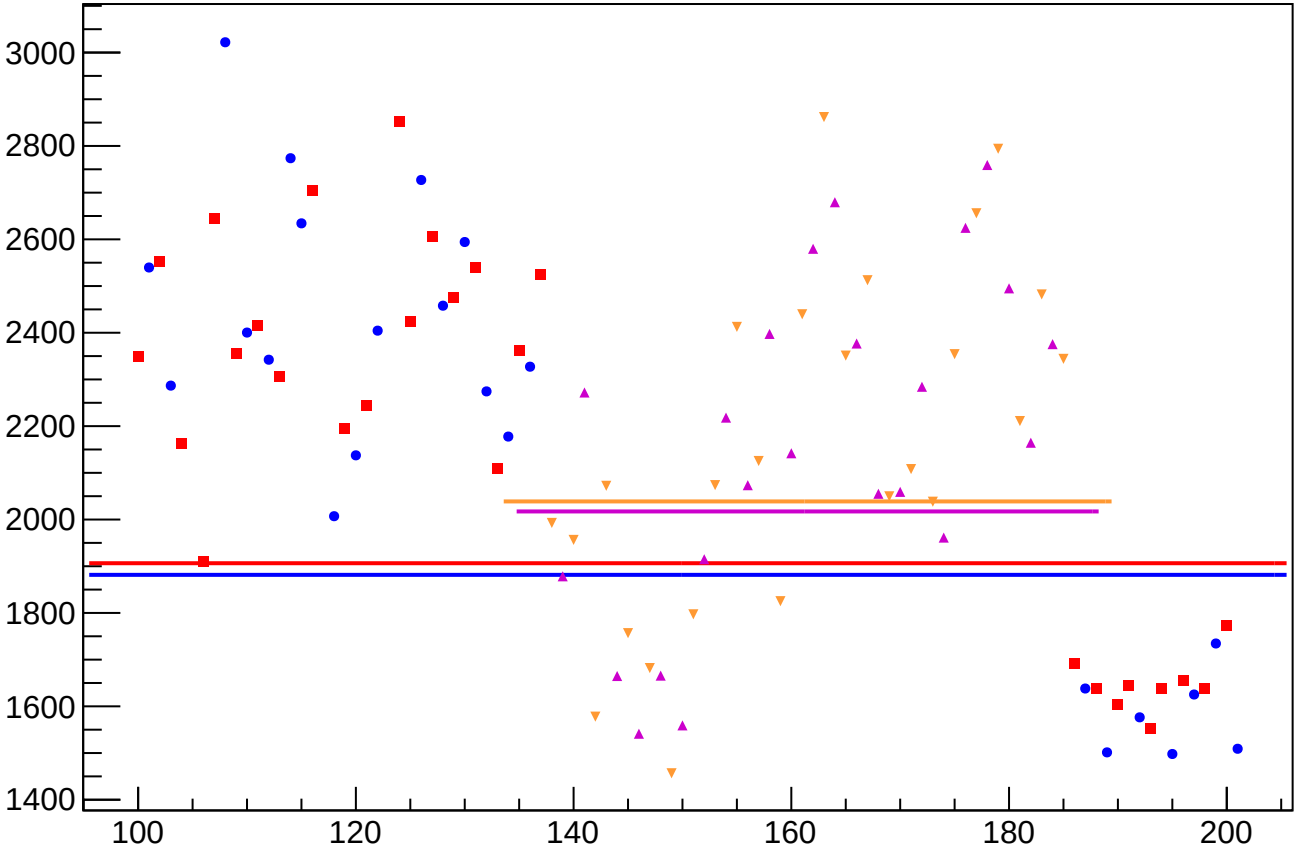
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 41.447+/-0.358 χ^2/NDF: 14844.6/47

All: 29.931+/-0.252 χ^2/NDF: 49326.0/98

- sign 18.635+/-0.355 χ^2/NDF: 32433.7/50

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: 1906.467+/-0.372 χ^2/NDF: 950273.3/27

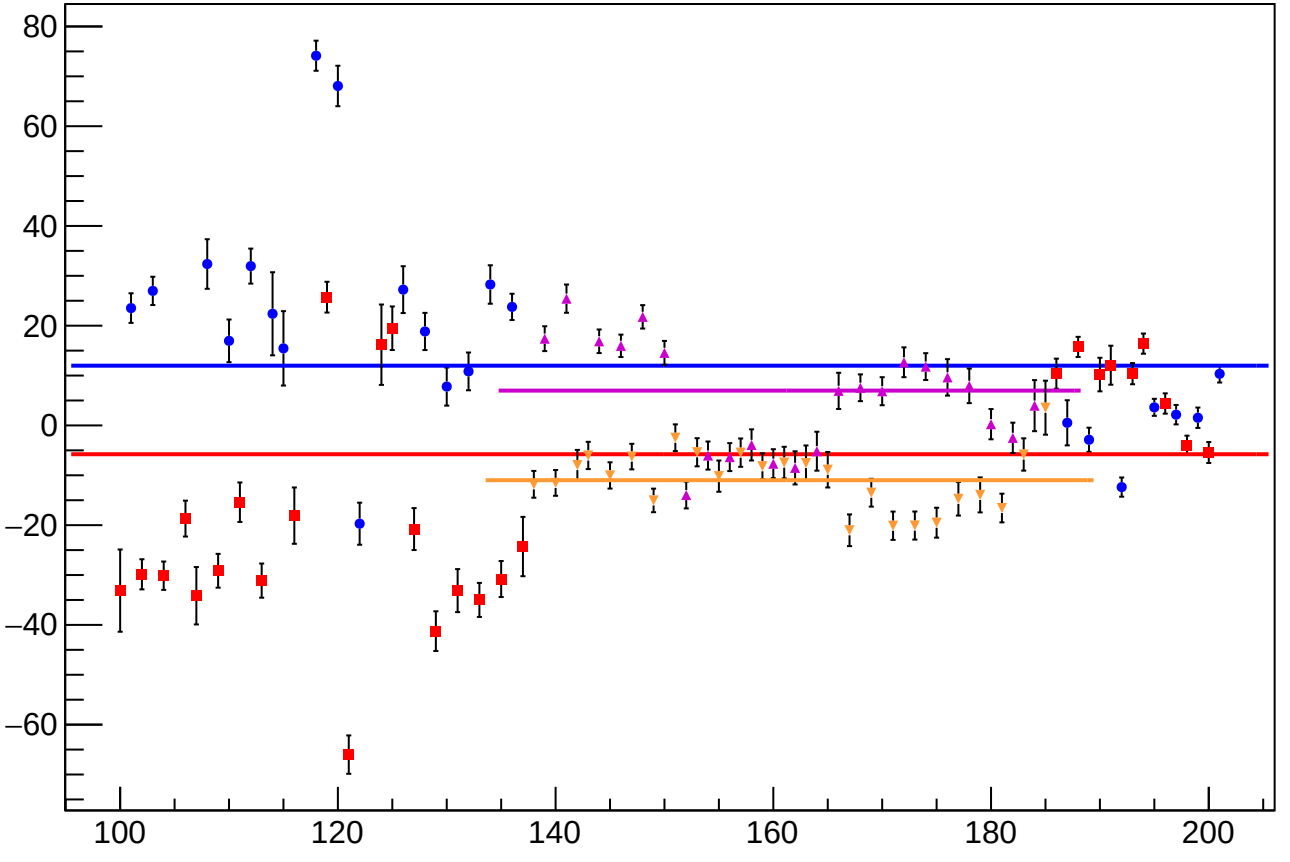
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1972.278+/-0.253 χ^2/NDF: 2355002.4/47

All: 1969.511+/-0.178 χ^2/NDF: 4404000.3/98

- sign 1966.796+/-0.251 χ^2/NDF: 2048761.4/50

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

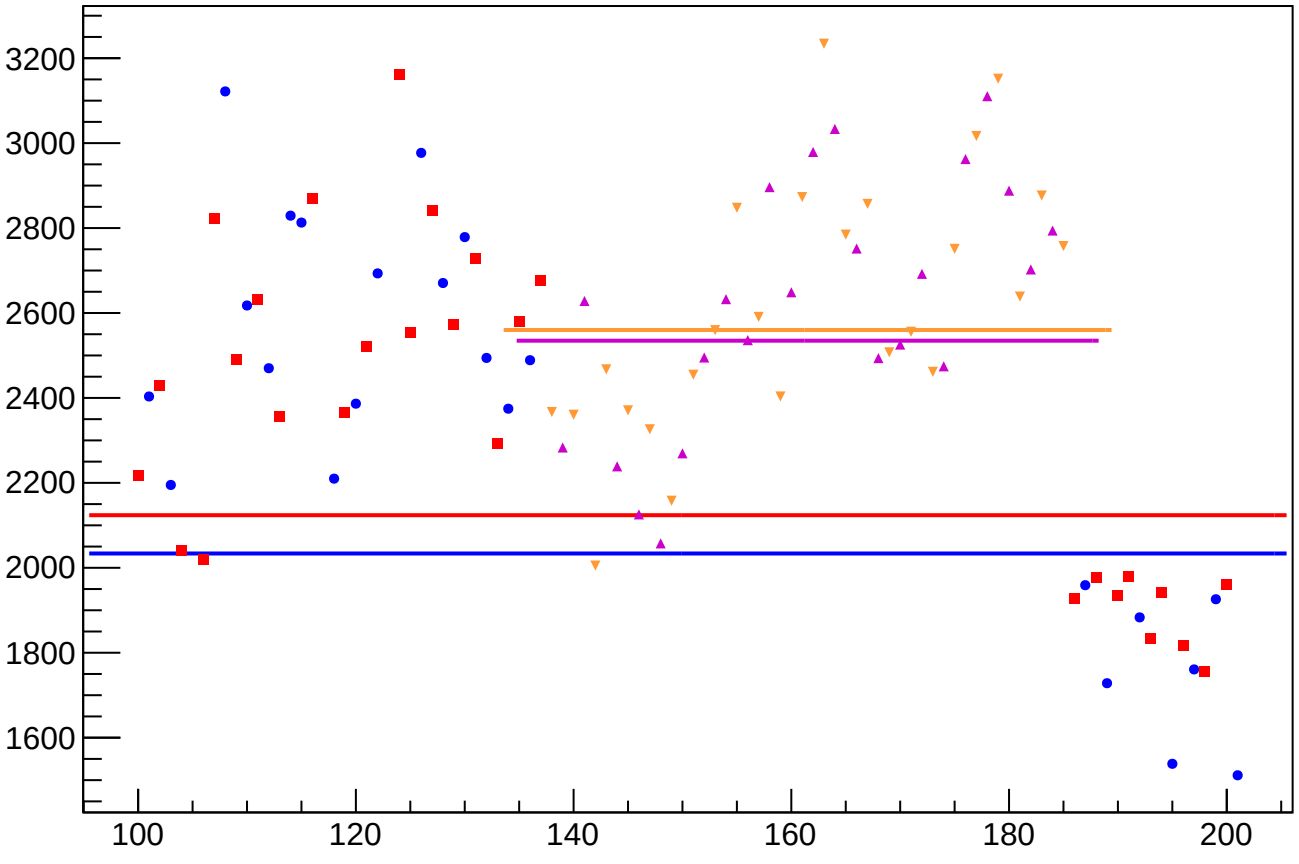
Right Out: -5.778+/-0.583 χ^2/NDF: 1342.2/27

Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign 0.281+/-0.418 χ^2/NDF: 1941.8/47

All: 0.359+/-0.295 χ^2/NDF: 3856.8/98

- sign 0.437+/-0.418 χ^2/NDF: 1915.0/50



Right In: 2033.705+/-0.422 χ^2/NDF: 1070212.1/22

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

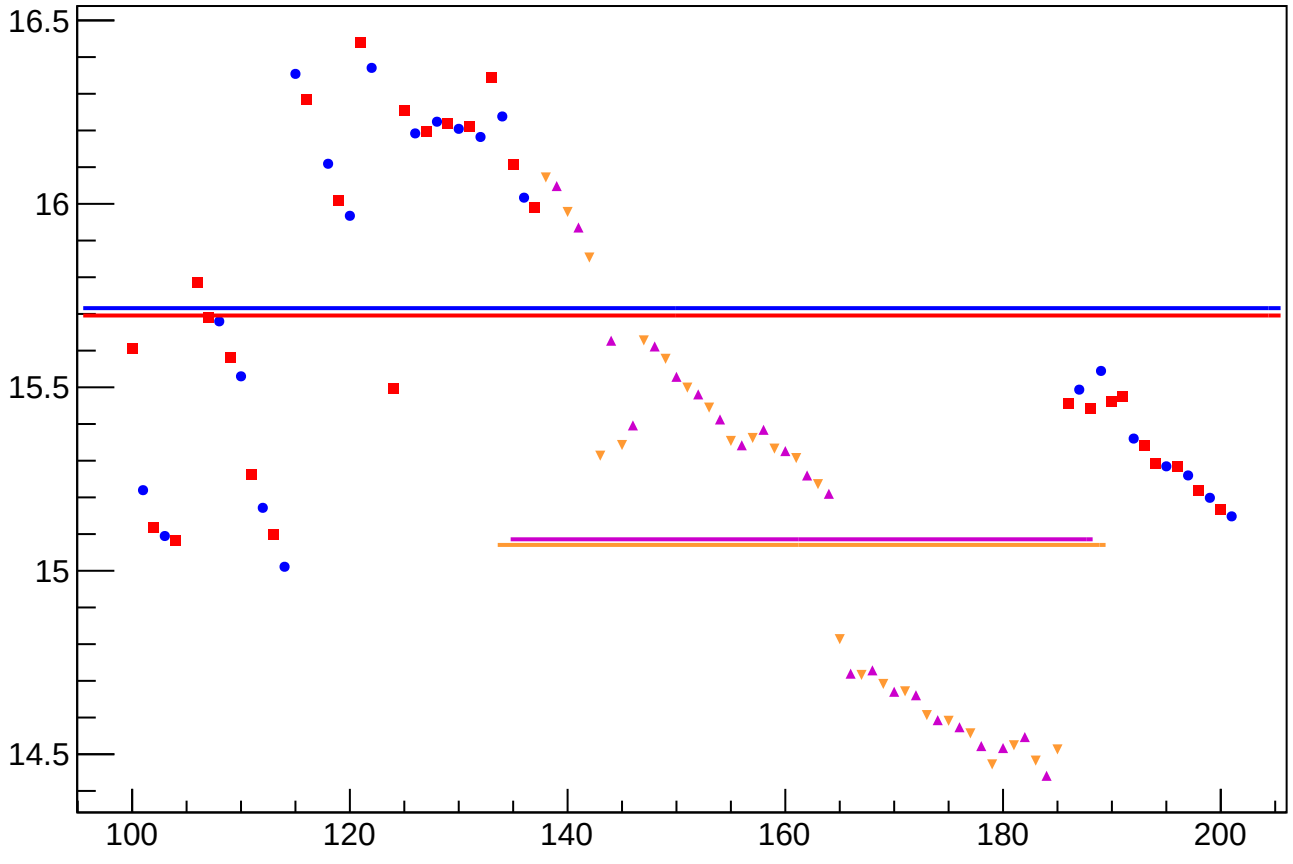
Right Out: 2123.885+/-0.412 χ^2/NDF: 629069.2/27

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2301.760+/-0.296 χ^2/NDF: 2311948.1/47

All: 2312.875+/-0.209 χ^2/NDF: 3891183.3/98

- sign 2323.962+/-0.295 χ^2/NDF: 1576412.5/50



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: 15.696+/-0.000 χ^2/NDF: 11654277425.7/27

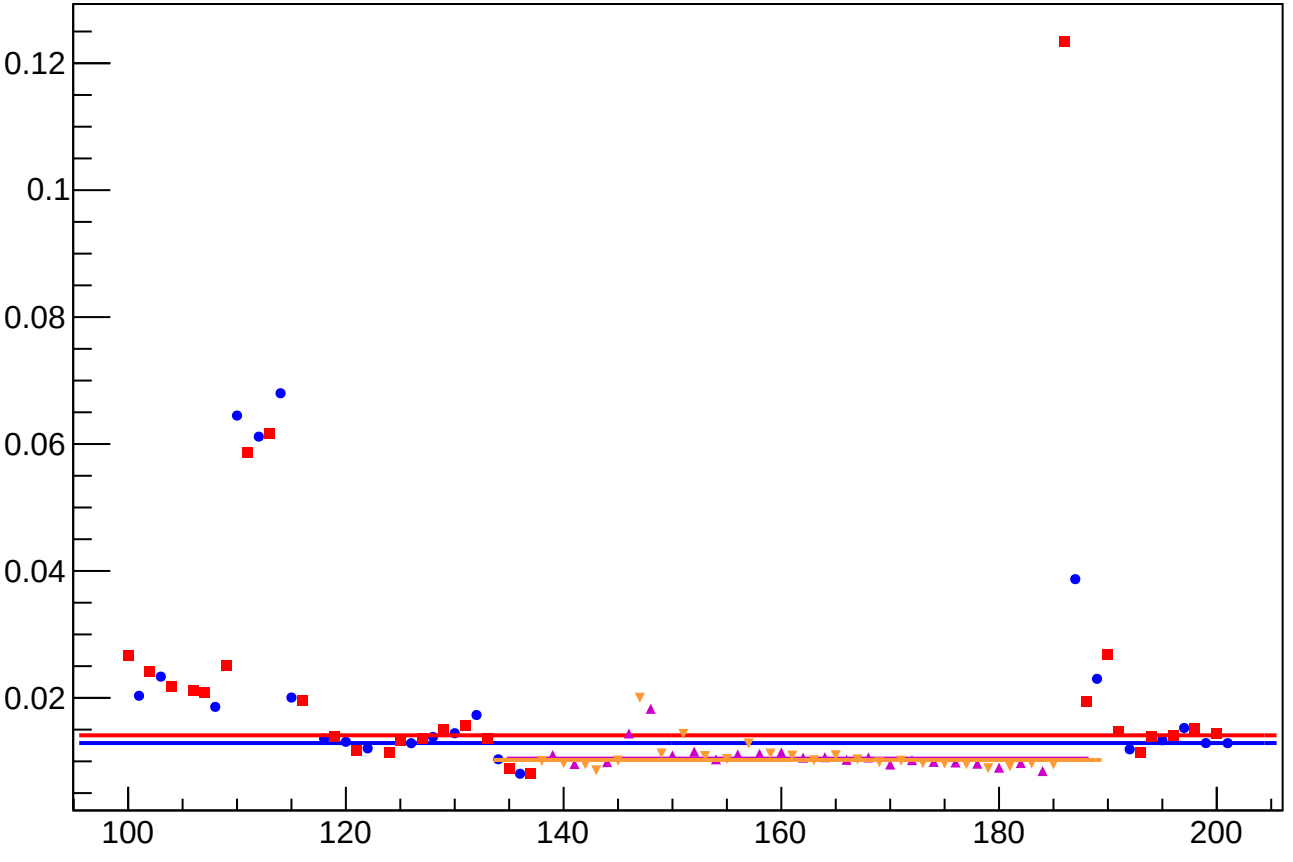
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.240+/-0.000 χ^2/NDF: 74746136558.5/47

All: 15.243+/-0.000 χ^2/NDF: 141387099509.

- sign 15.246+/-0.000 χ^2/NDF: 66635524742.4/50

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: 3230578.2/27

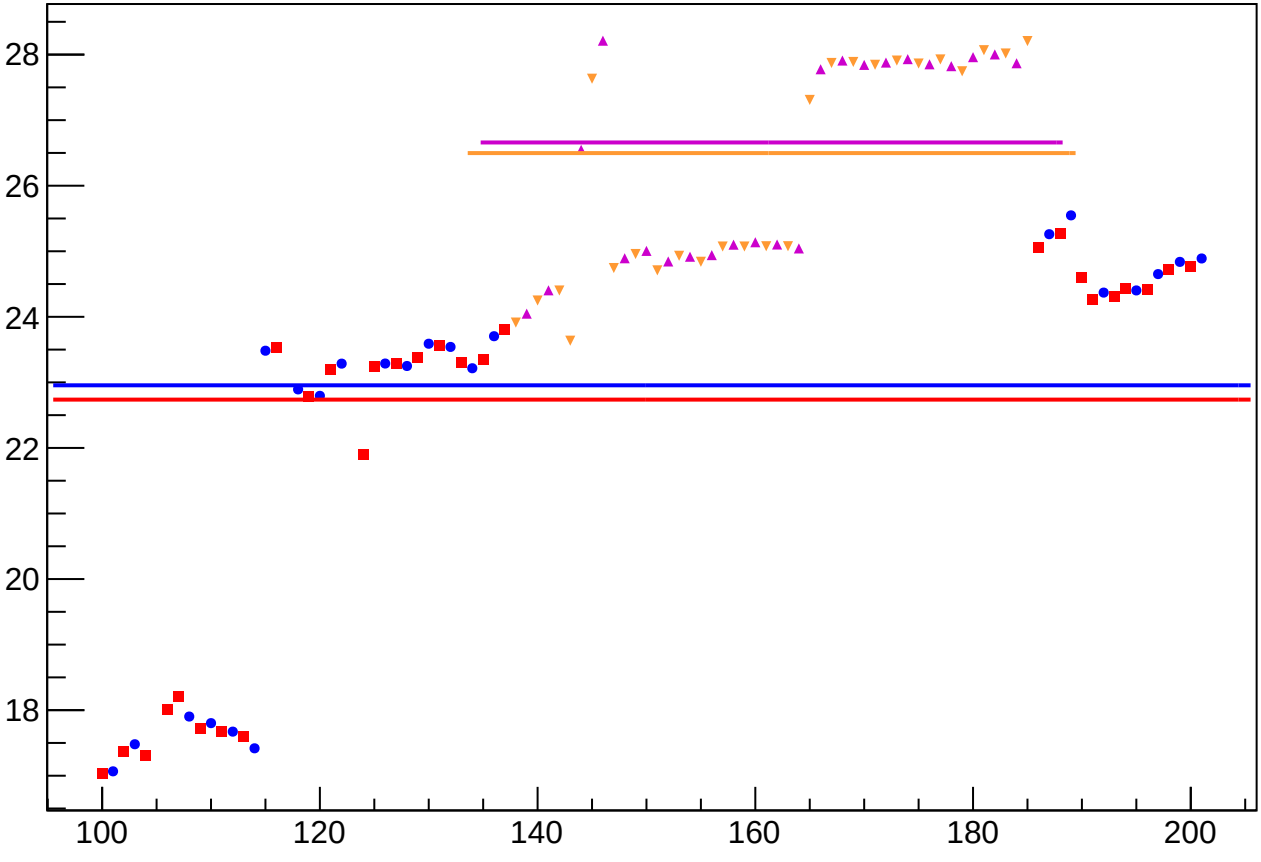
Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4146024.4/47

All: 0.011+/-0.000 χ^2/NDF: 9150232.7/98

- sign 0.011+/-0.000 χ^2/NDF: 4952326.7/50

yield_sam2_mean vs Slug



Right In: 22.955+/-0.000 χ^2/NDF: 1381492583.5/22

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

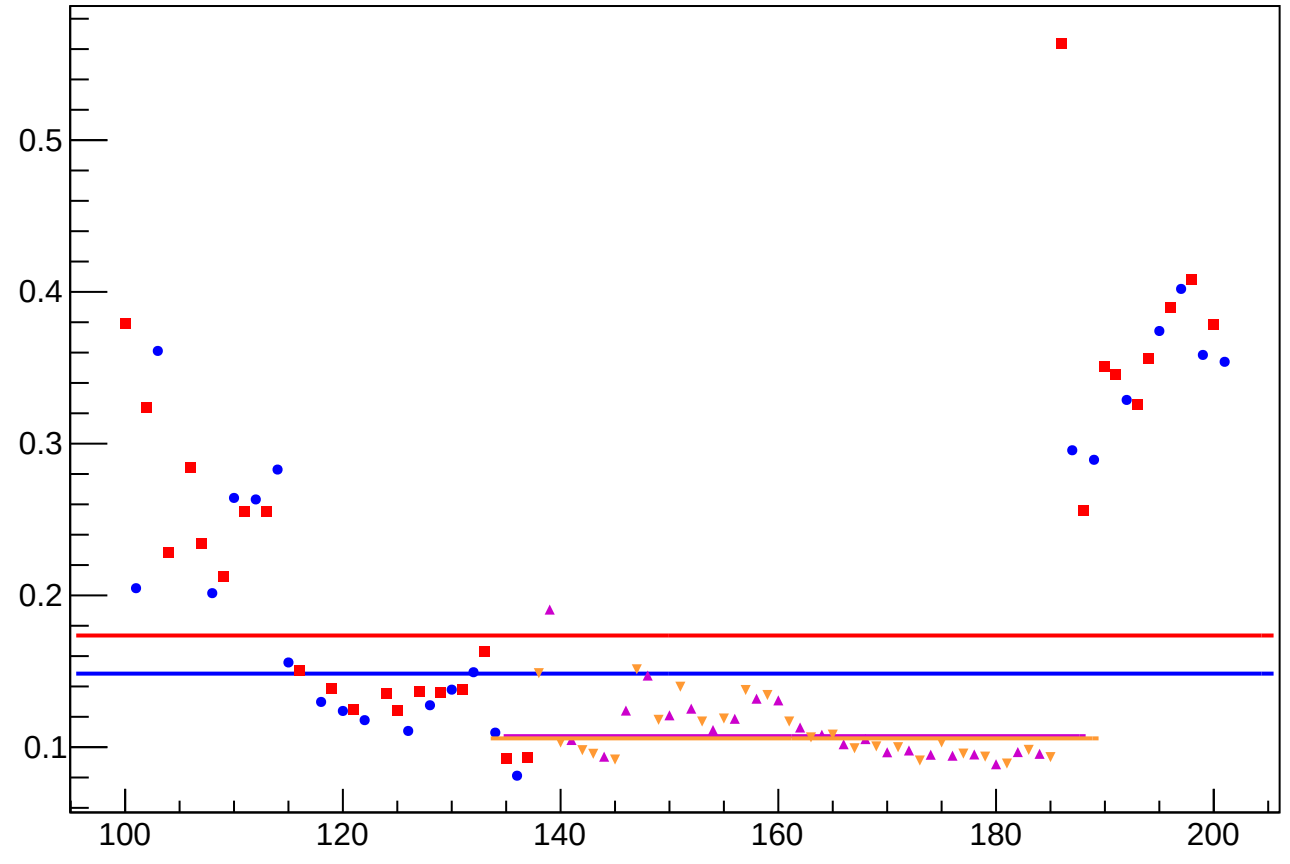
Right Out: 22.737+/-0.000 χ^2/NDF: 1461729830.9/27

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.768+/-0.000 χ^2/NDF: 9124431583.7/47

All: 25.827+/-0.000 χ^2/NDF: 17576034896.1

- sign 25.893+/-0.000 χ^2/NDF: 8437684362.6/50



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: 0.174+/-0.000 χ^2/NDF: 5309053.4/27

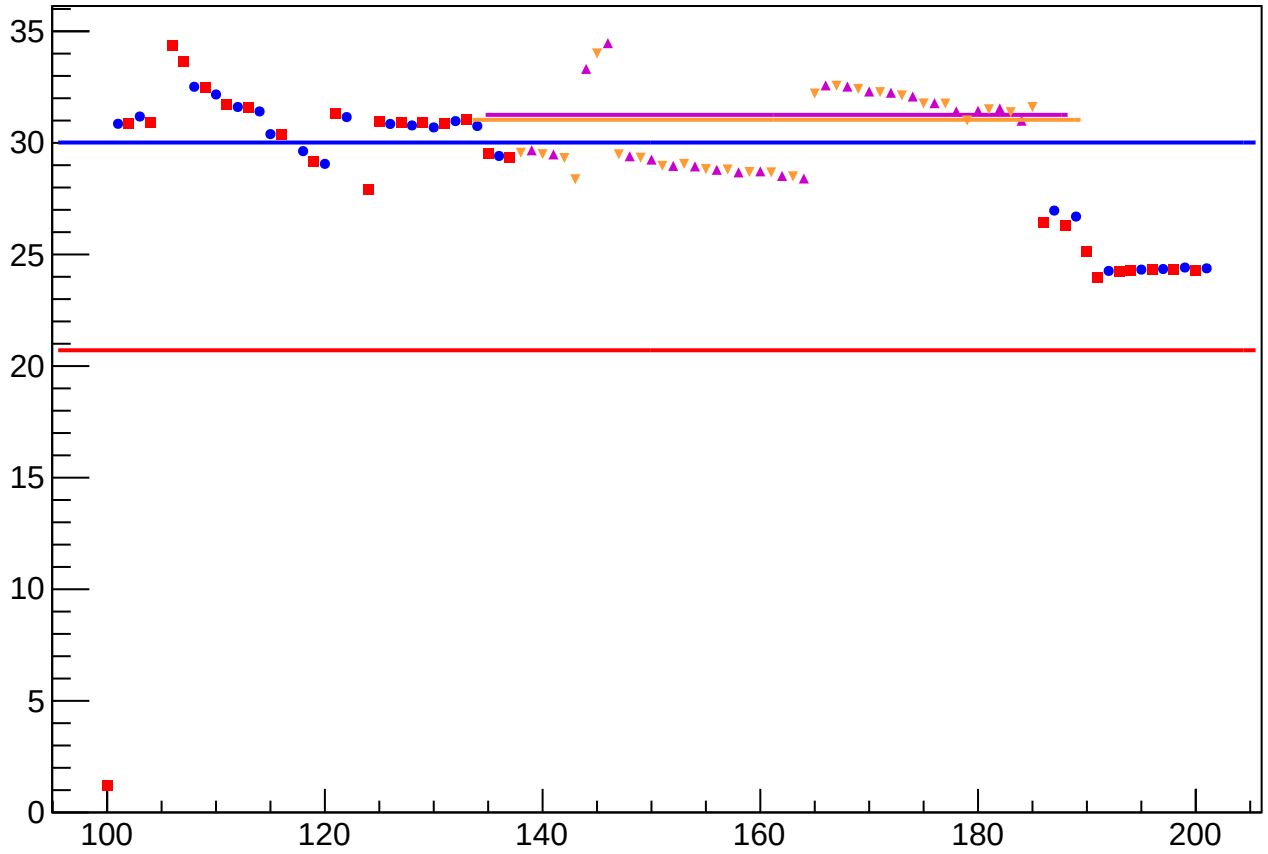
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.115+/-0.000 χ^2/NDF: 7318018.1/47

All: 0.117+/-0.000 χ^2/NDF: 15880392.3/98

- sign 0.120+/-0.000 χ^2/NDF: 8505862.1/50

yield_sam3_mean vs Slug



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: 20.707+/-0.000 χ^2/NDF: 223961446018.2/27

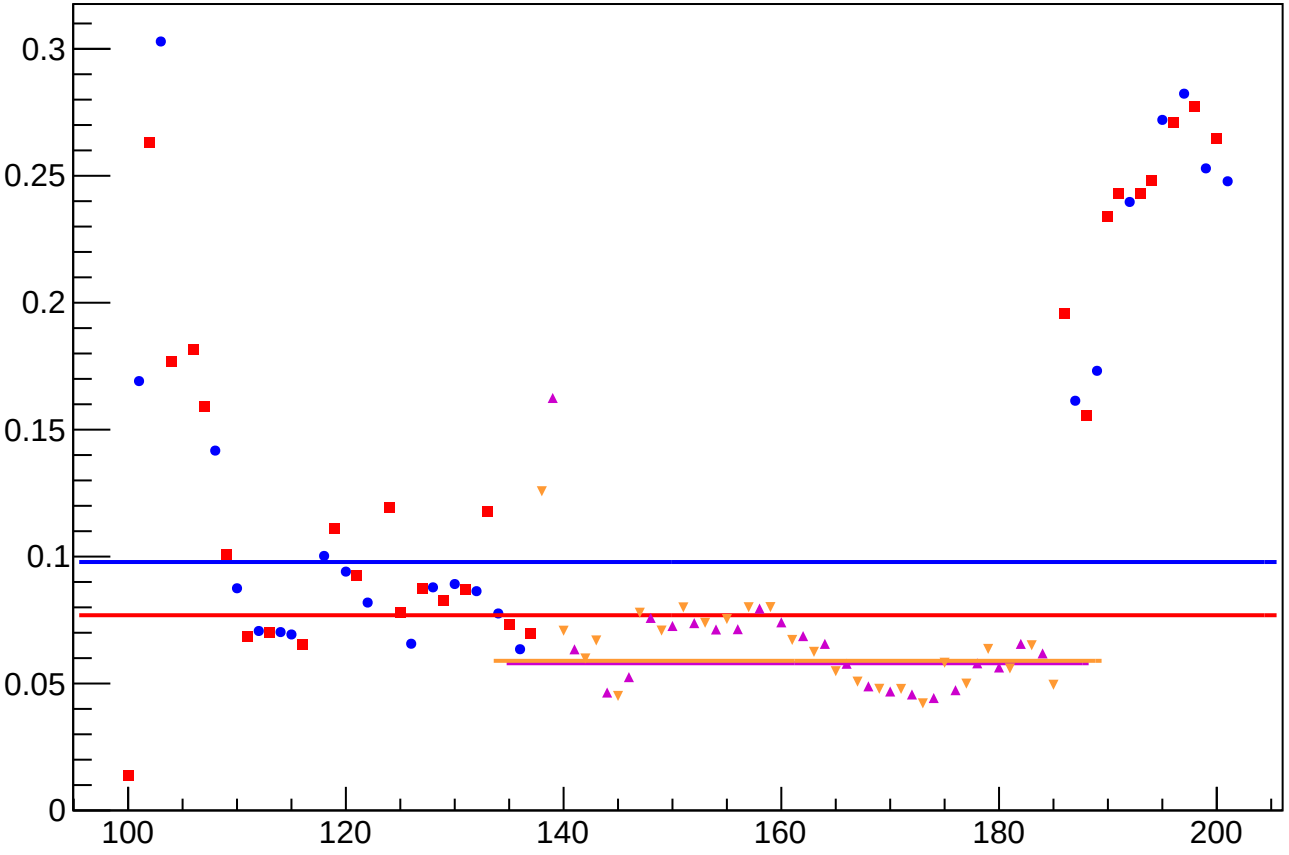
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.864+/-0.000 χ^2/NDF: 15865387627.4/47

All: 29.848+/-0.000 χ^2/NDF: 366759520470.

- sign 28.868+/-0.000 χ^2/NDF: 340462294746.9/50

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: 0.077+/-0.000 χ^2/NDF: 9950214.0/27

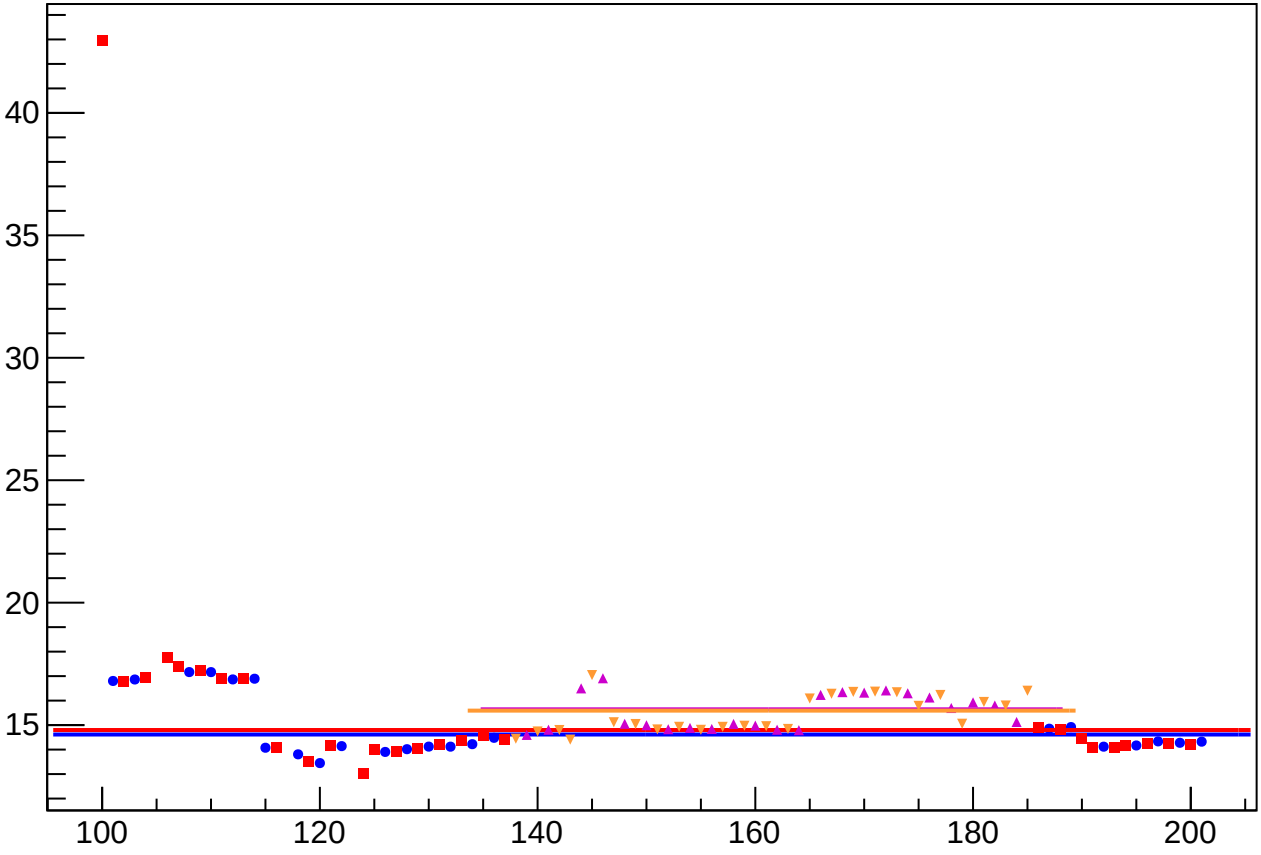
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.065+/-0.000 χ^2/NDF: 8861043.5/47

All: 0.064+/-0.000 χ^2/NDF: 21249388.5/98

- sign 0.062+/-0.000 χ^2/NDF: 12334982.5/50

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: 14.799+/-0.000 χ^2/NDF: 1769499596.8/27

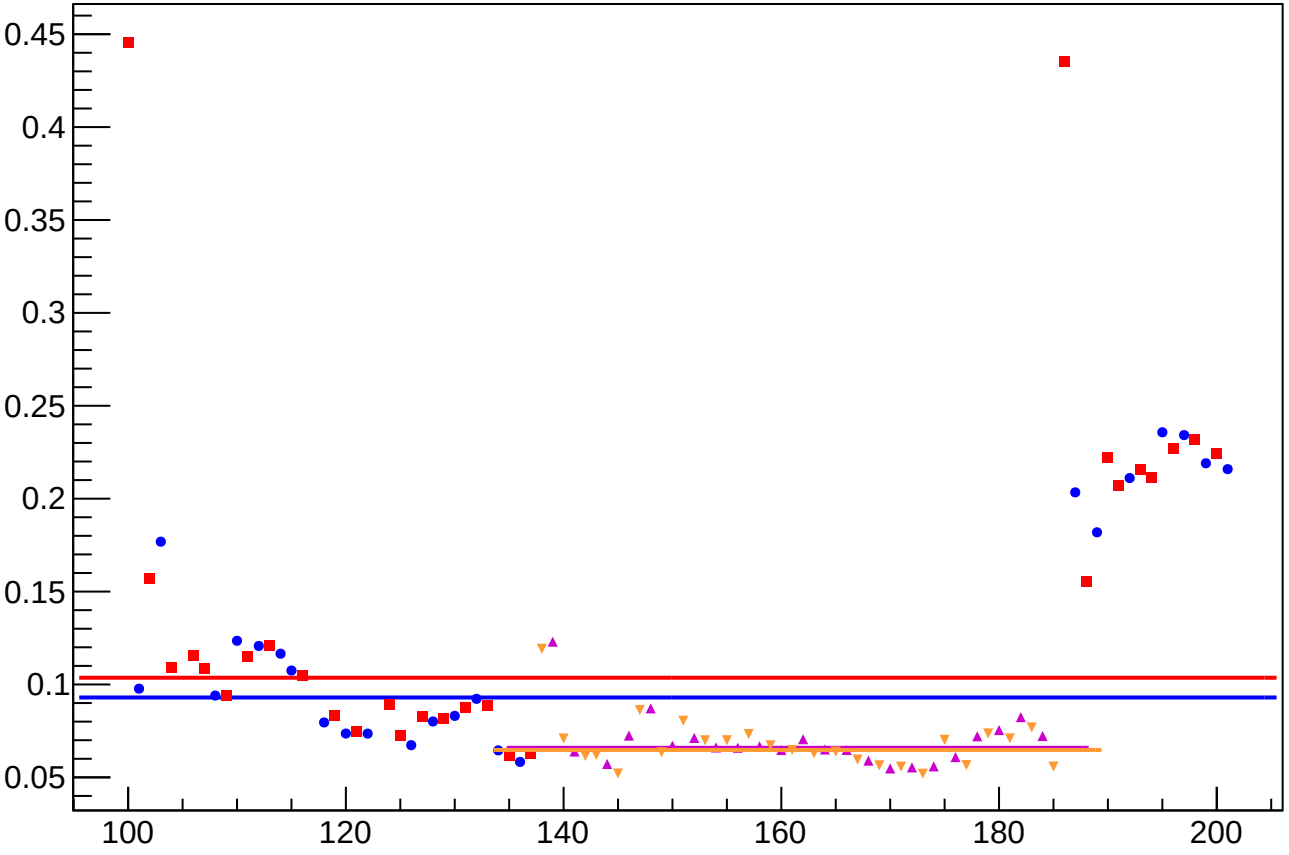
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.385+/-0.000 χ^2/NDF: 4251323051.4/47

All: 15.424+/-0.000 χ^2/NDF: 8435032776.9/9

- sign 15.466+/-0.000 χ^2/NDF: 4168252441.6/50

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: 0.104+/-0.000 χ^2/NDF: 4599600.3/27

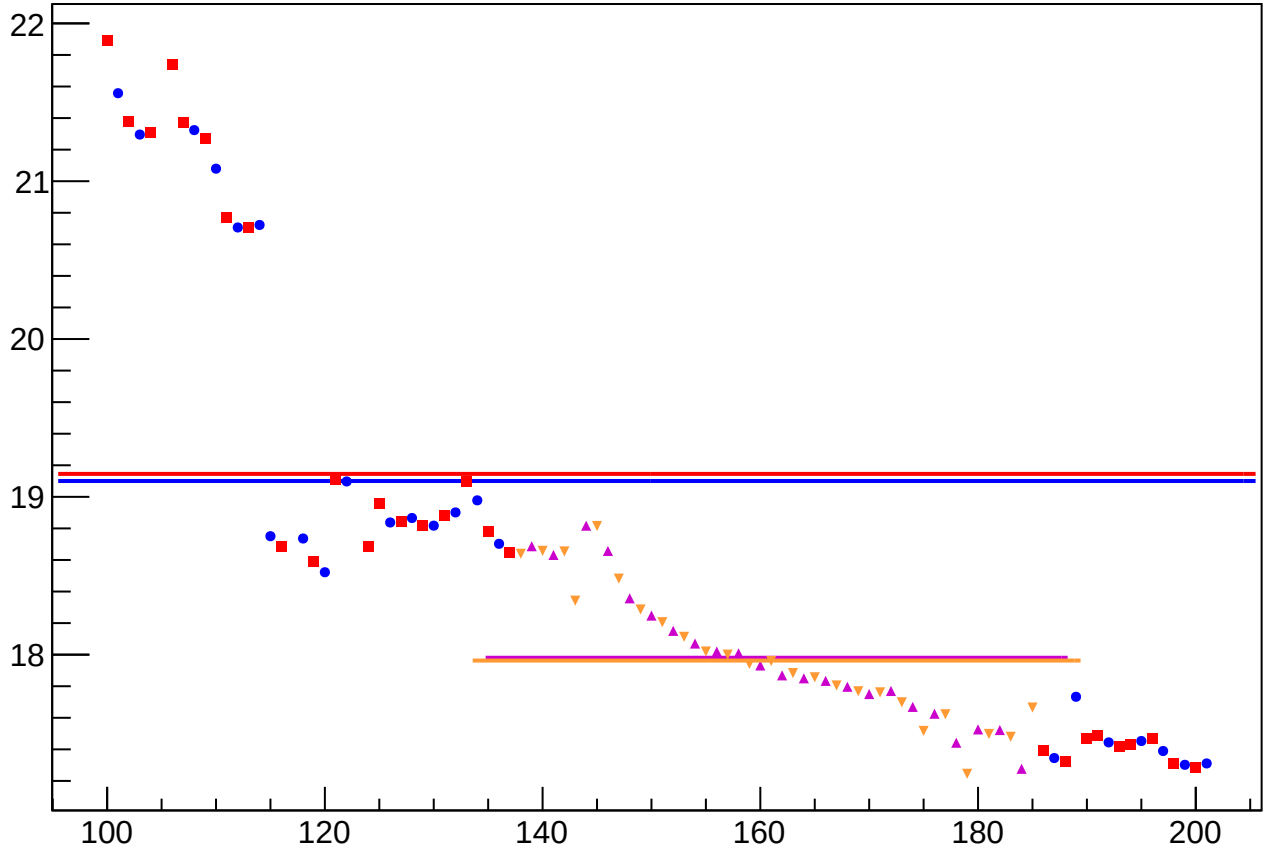
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.071+/-0.000 χ^2/NDF: 6695670.8/47

All: 0.072+/-0.000 χ^2/NDF: 14282755.6/98

- sign 0.074+/-0.000 χ^2/NDF: 7540117.5/50

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: 19.145+/-0.000 χ^2/NDF: 29137202982.7/27

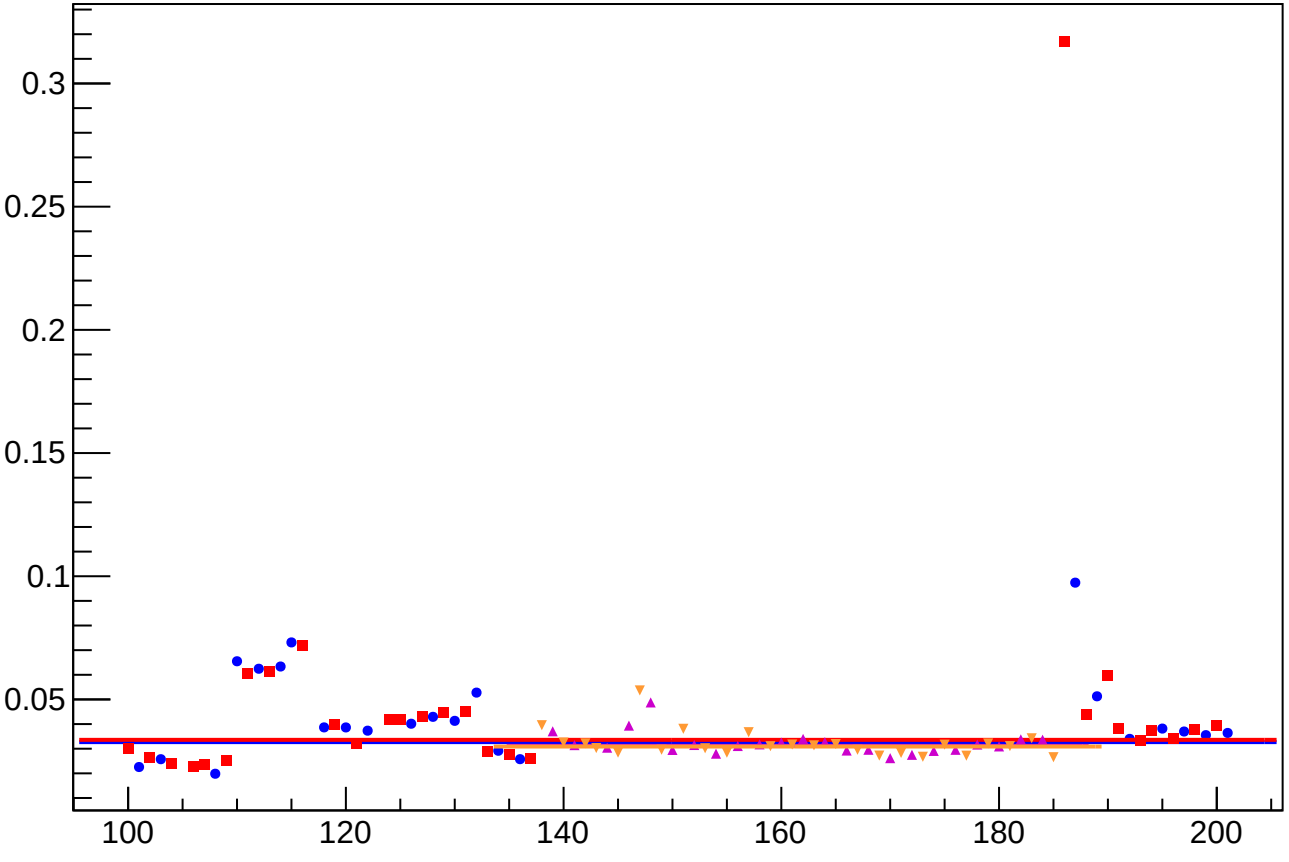
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.351+/-0.000 χ^2/NDF: 37640844455.1/47

All: 18.379+/-0.000 χ^2/NDF: 78430031668.8

- sign 18.407+/-0.000 χ^2/NDF: 40743787288.3/50

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: 2222071.4/27

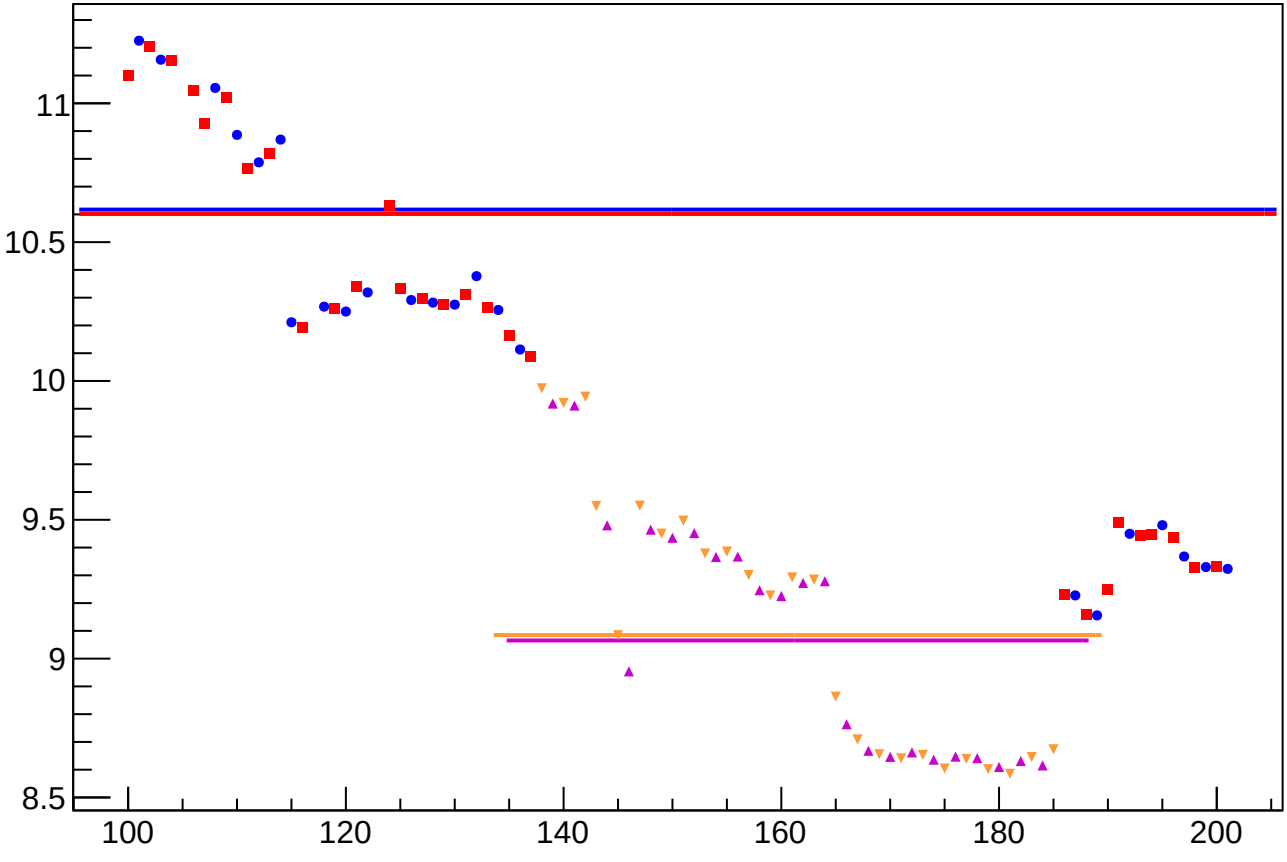
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.032+/-0.000 χ^2/NDF: 2570239.8/47

All: 0.032+/-0.000 χ^2/NDF: 5362743.0/98

- sign 0.032+/-0.000 χ^2/NDF: 2784209.0/50

yield_sam6_mean vs Slug



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: 10.602+/-0.000 χ^2/NDF: 9804533059.4/27

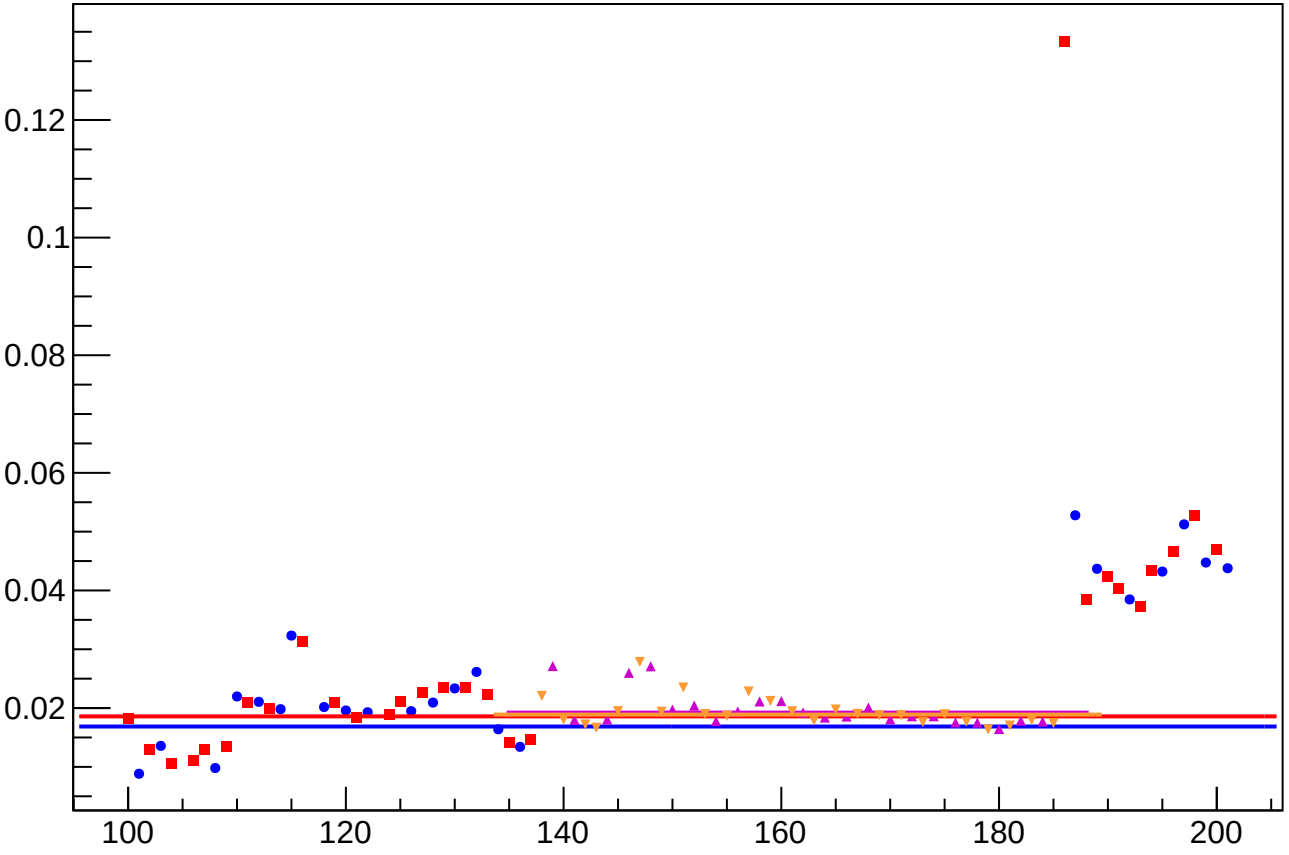
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.667+/-0.000 χ^2/NDF: 64499153428.9/47

All: 9.666+/-0.000 χ^2/NDF: 123546353327.9

- sign 9.664+/-0.000 χ^2/NDF: 59046811400.3/50

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

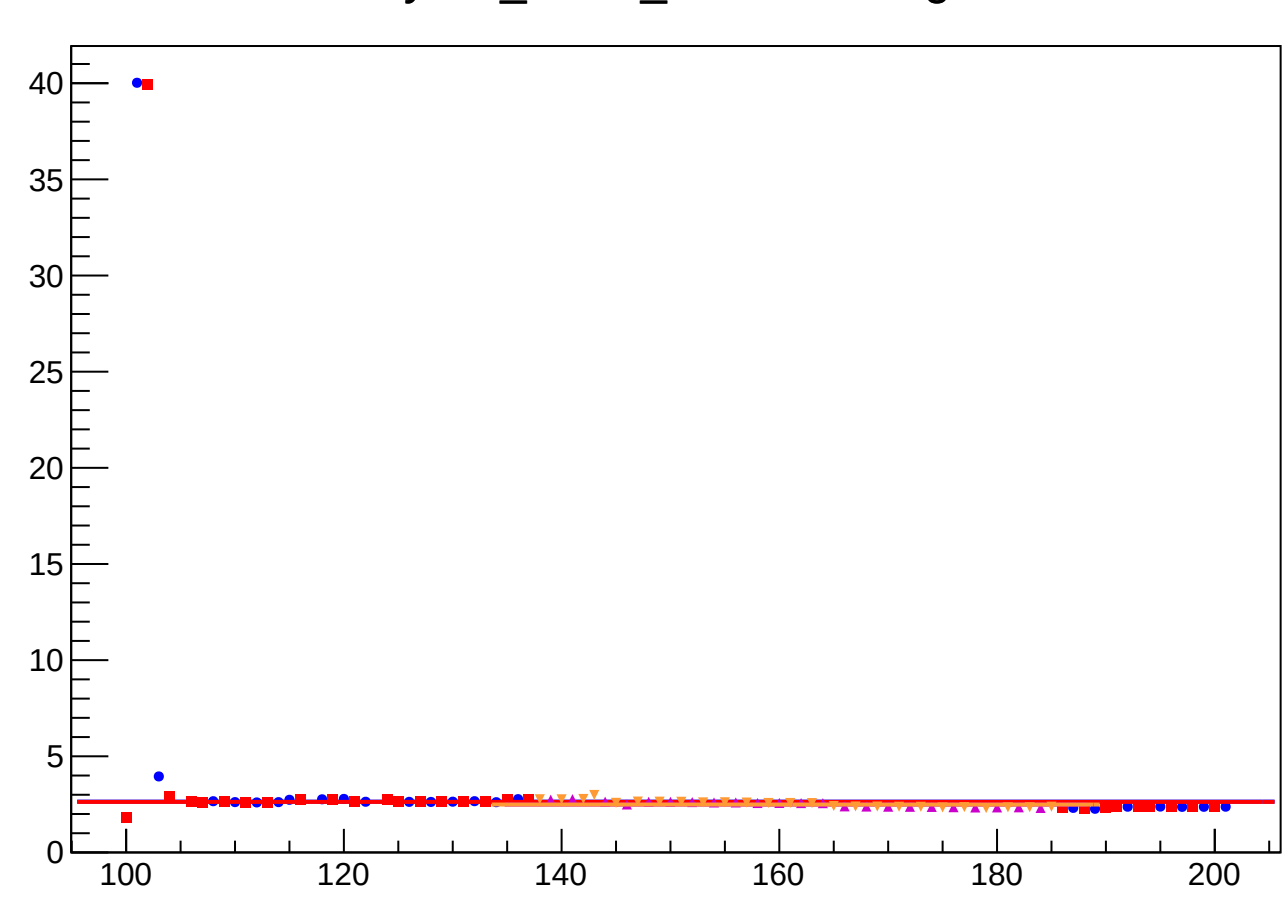
Right Out: 0.019+/-0.000 χ^2/NDF: 5858968.6/27

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: 12698511.5/98

- sign 0.019+/-0.000 χ^2/NDF: 6414382.2/50



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: 2.629+/-0.000 χ^2/NDF: 77147821132.4/27

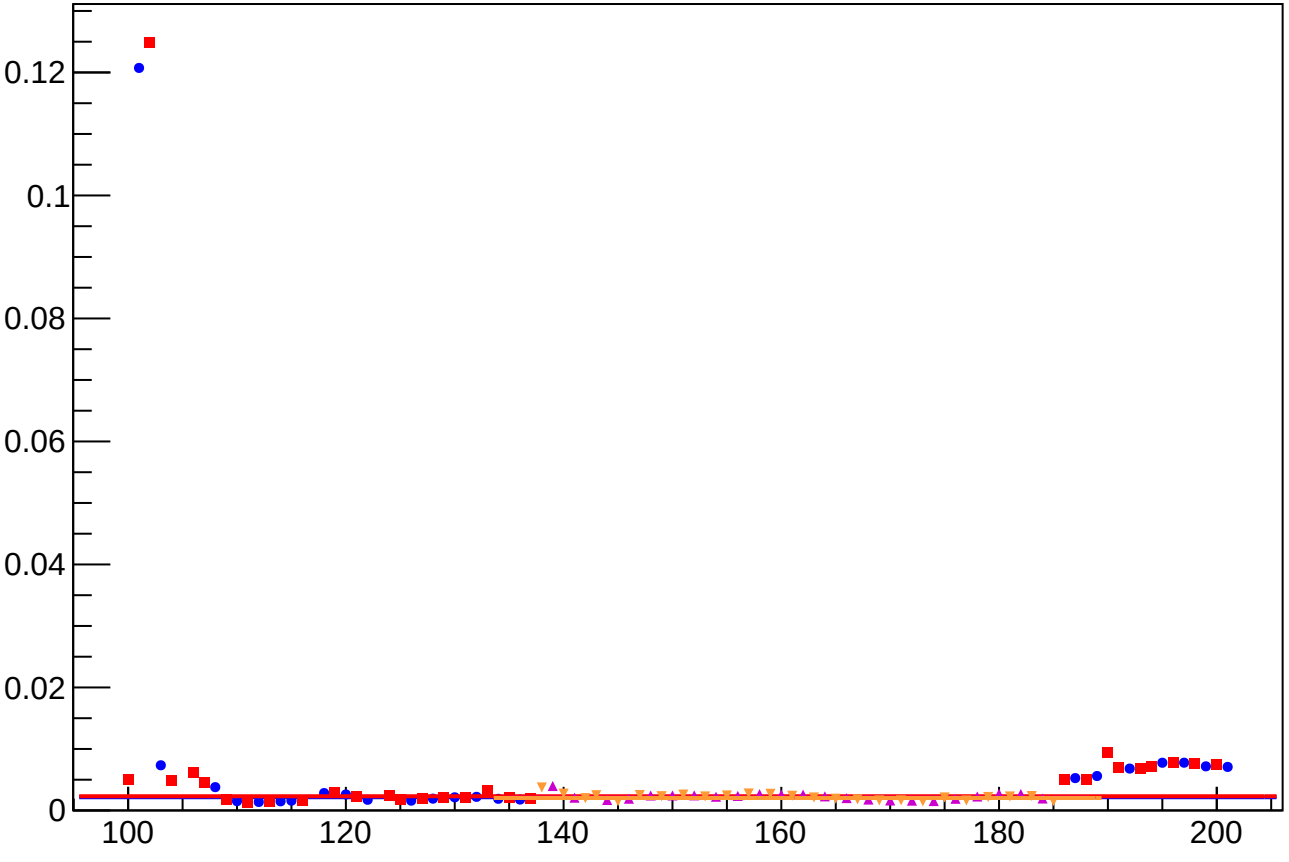
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.535+/-0.000 χ^2/NDF: 194712382232.6/47

All: 2.534+/-0.000 χ^2/NDF: 354054412426.2

- sign 2.532+/-0.000 χ^2/NDF: 159310624052.4/50

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

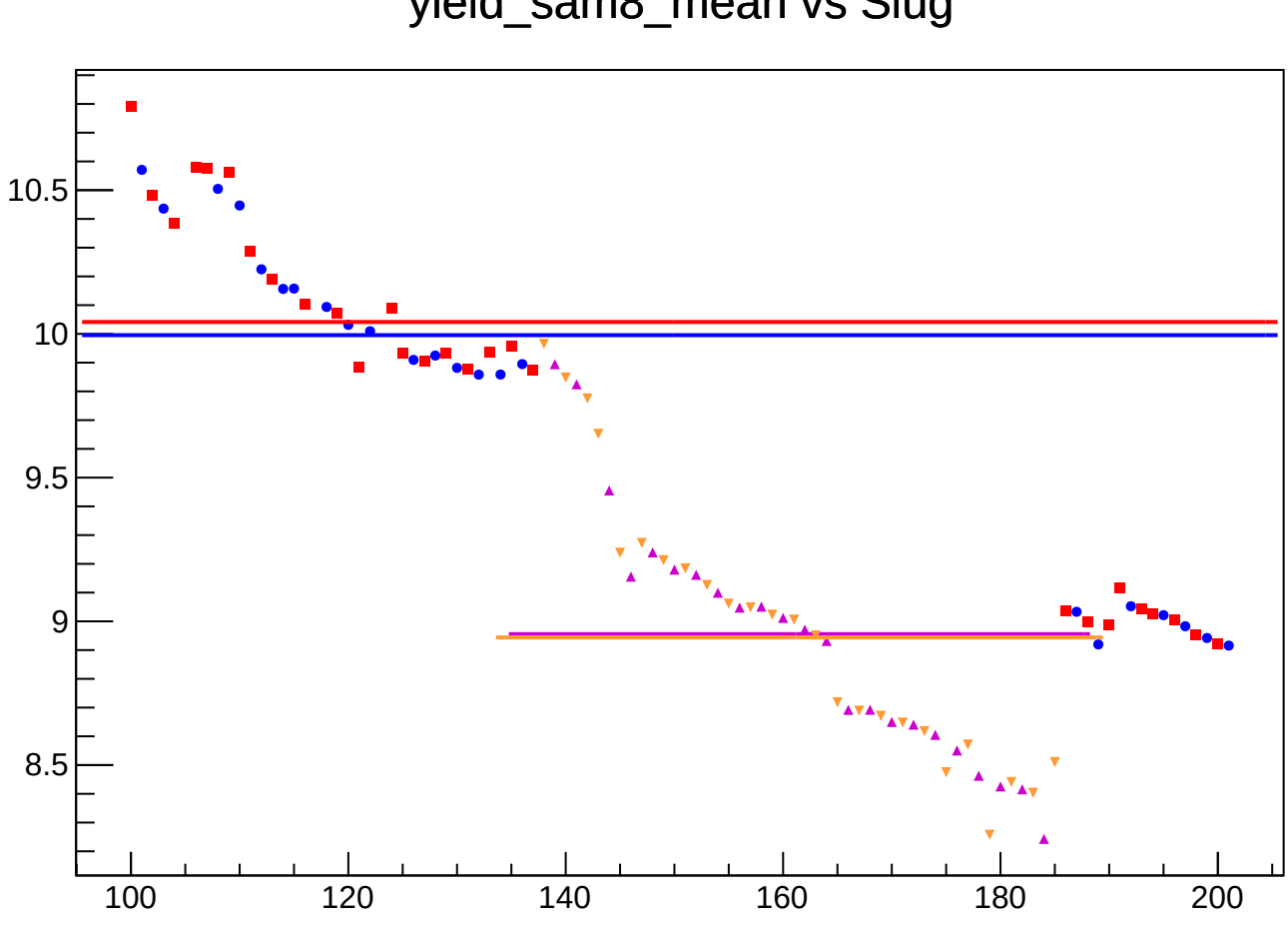
Right Out: 0.002+/-0.000 χ^2/NDF: 8260007.5/27

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: 18319460.1/98

- sign 0.002+/-0.000 χ^2/NDF: 9790046.9/50



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: 10.041+/-0.000 χ^2/NDF: 38756972293.0/27

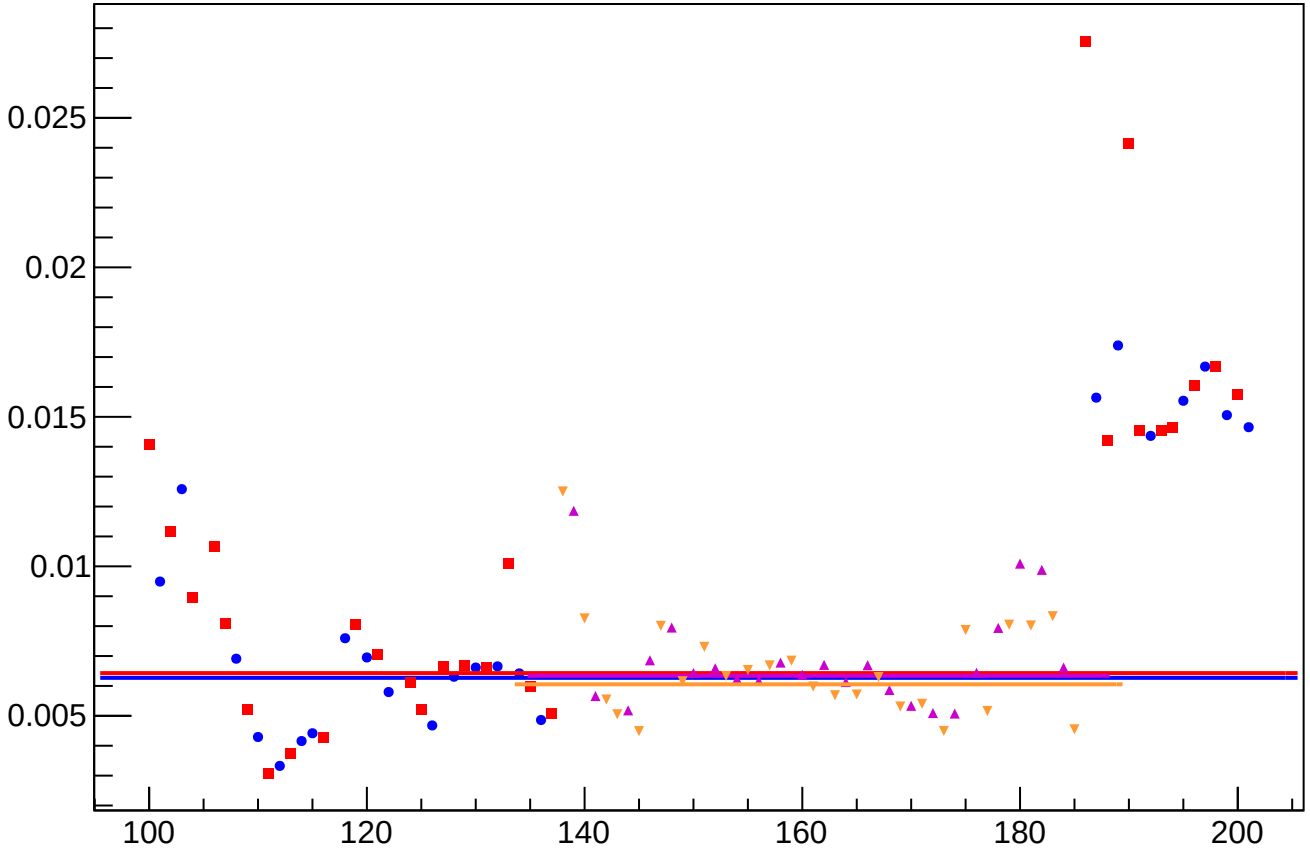
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.301+/-0.000 χ^2/NDF: 255575501056.6/47

All: 9.333+/-0.000 χ^2/NDF: 509089726625.0

- sign 9.367+/-0.000 χ^2/NDF: 252200415122.1/50

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: 0.006+/-0.000 χ^2/NDF: 6691650.9/27

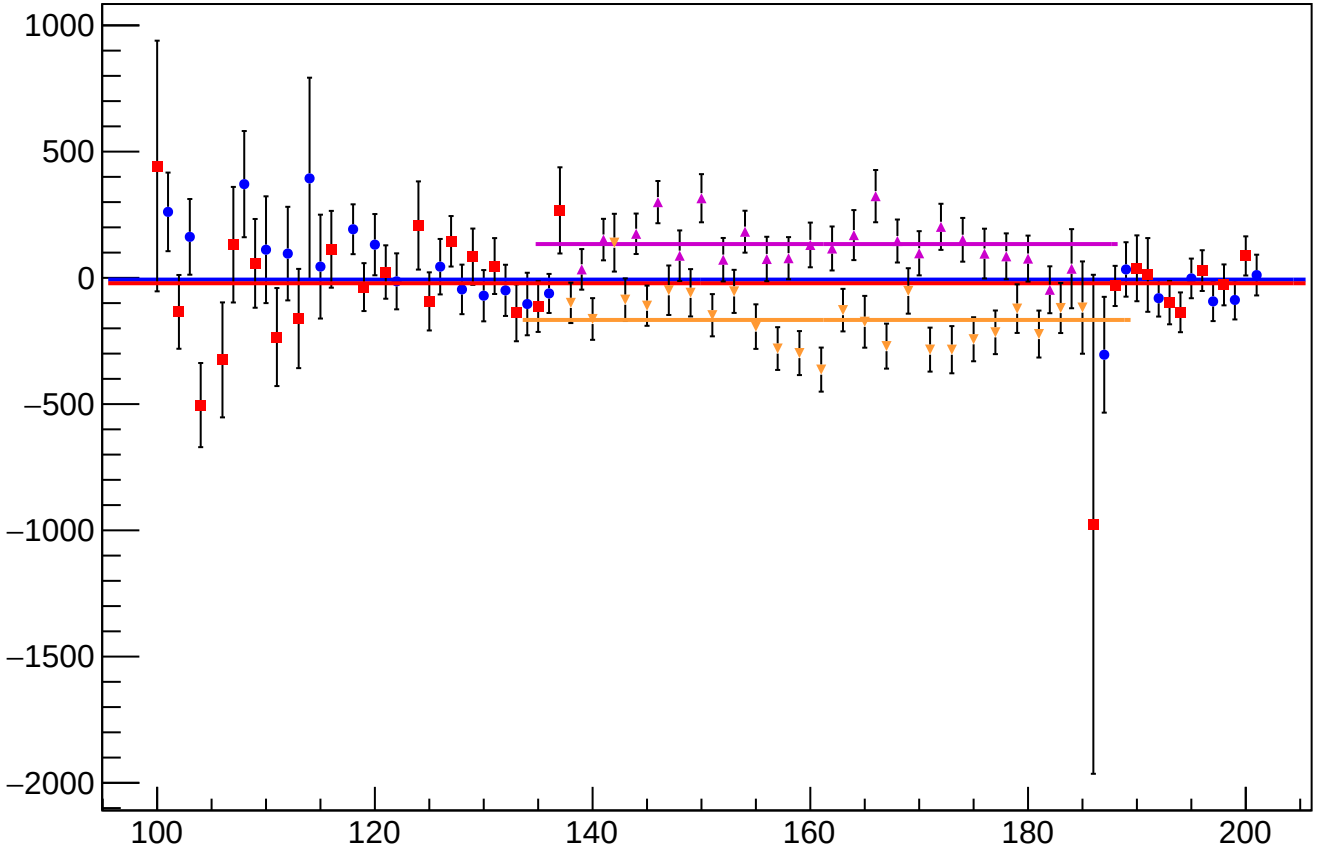
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 6625341.0/47

All: 0.006+/-0.000 χ^2/NDF: 14531142.7/98

- sign 0.006+/-0.000 χ^2/NDF: 7869108.1/50

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: -21.387+/-21.973 χ^2/NDF: 32.4/27

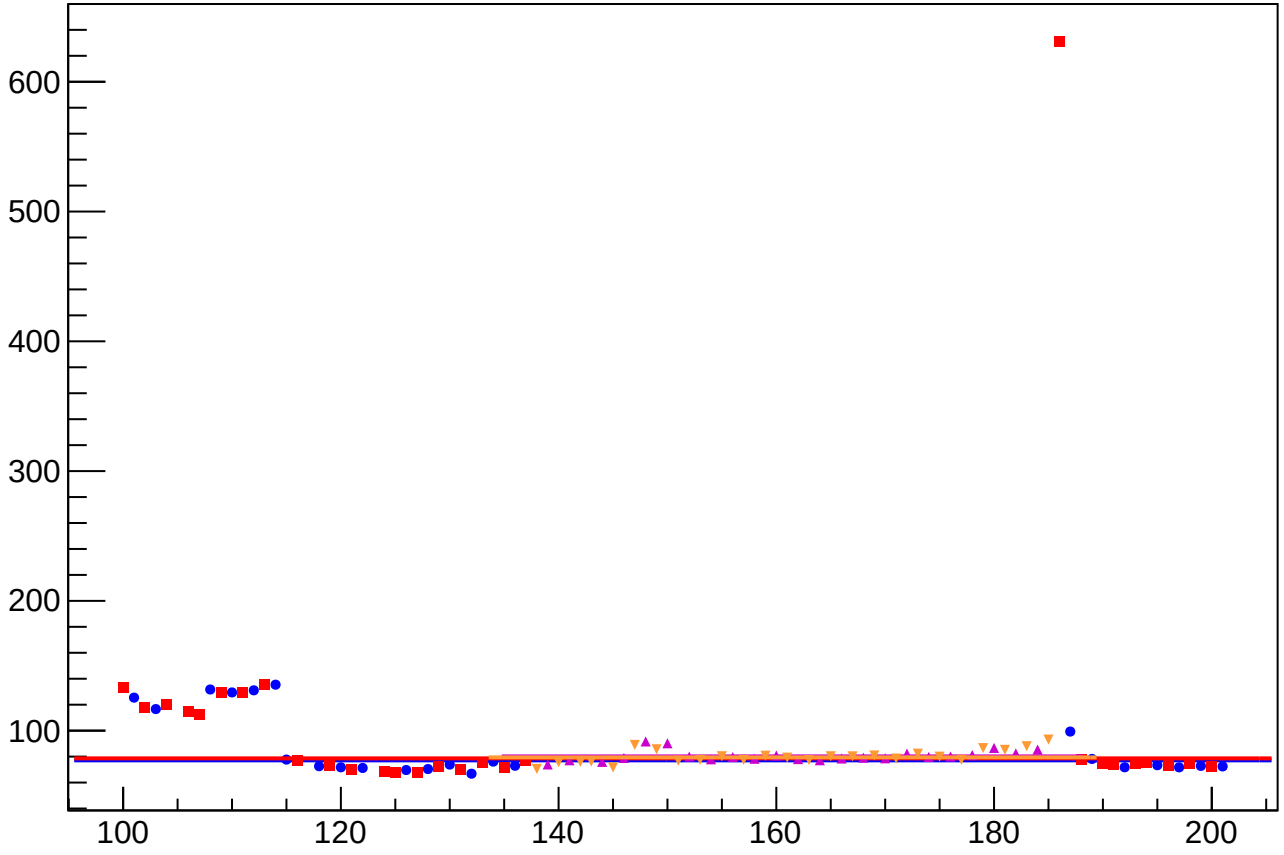
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -103.580+/-14.064 χ^2/NDF: 84.3/47

All: -18.807+/-10.015 χ^2/NDF: 240.1/98

- sign 68.413+/-14.265 χ^2/NDF: 82.0/50

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: 78.640+/-0.016 χ^2/NDF: 1618486.5/27

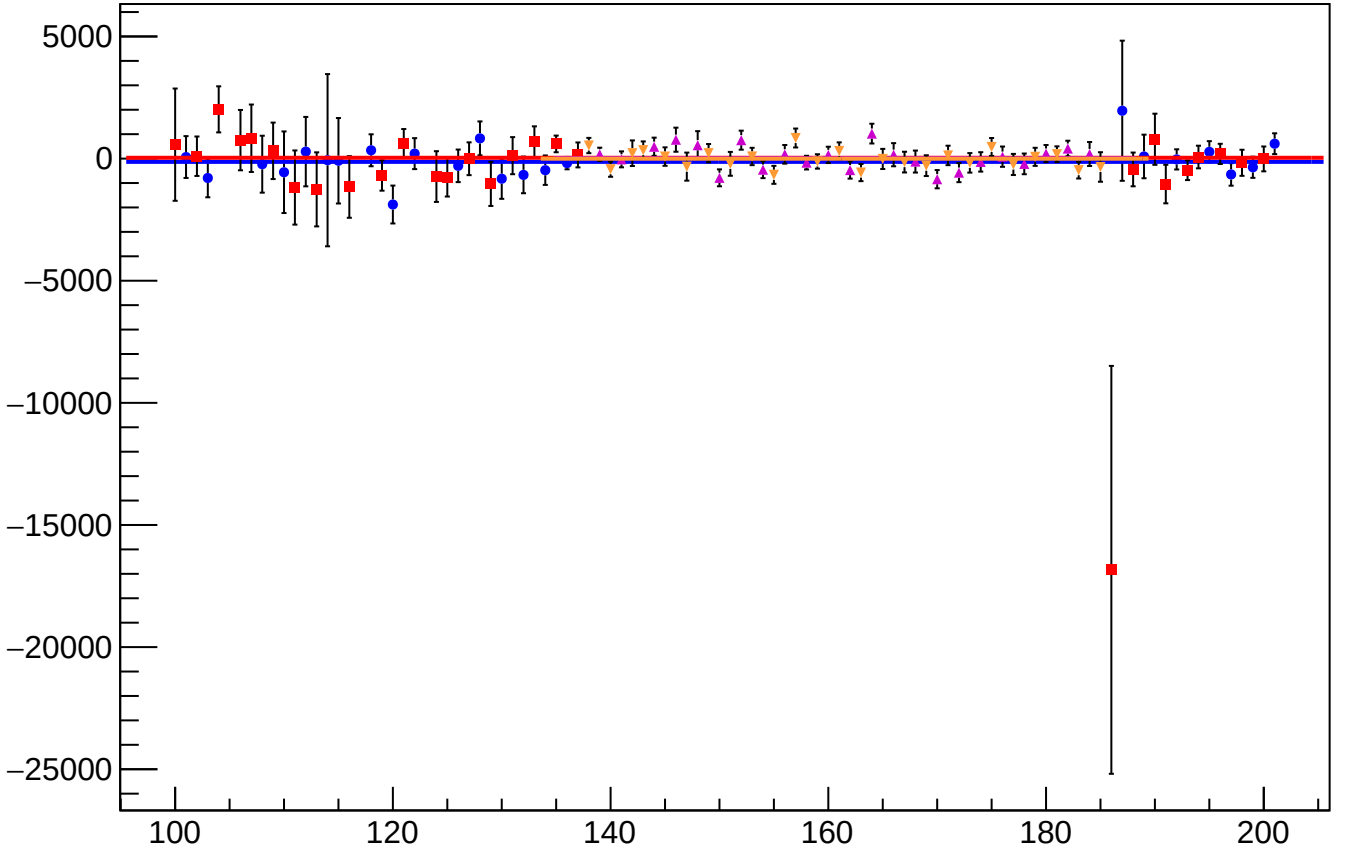
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.504+/-0.010 χ^2/NDF: 1066291.1/47

All: 79.004+/-0.007 χ^2/NDF: 2786922.3/98

- sign 79.519+/-0.010 χ^2/NDF: 1715495.7/50

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: 33.922+/-125.872 χ^2/NDF: 25.6/27

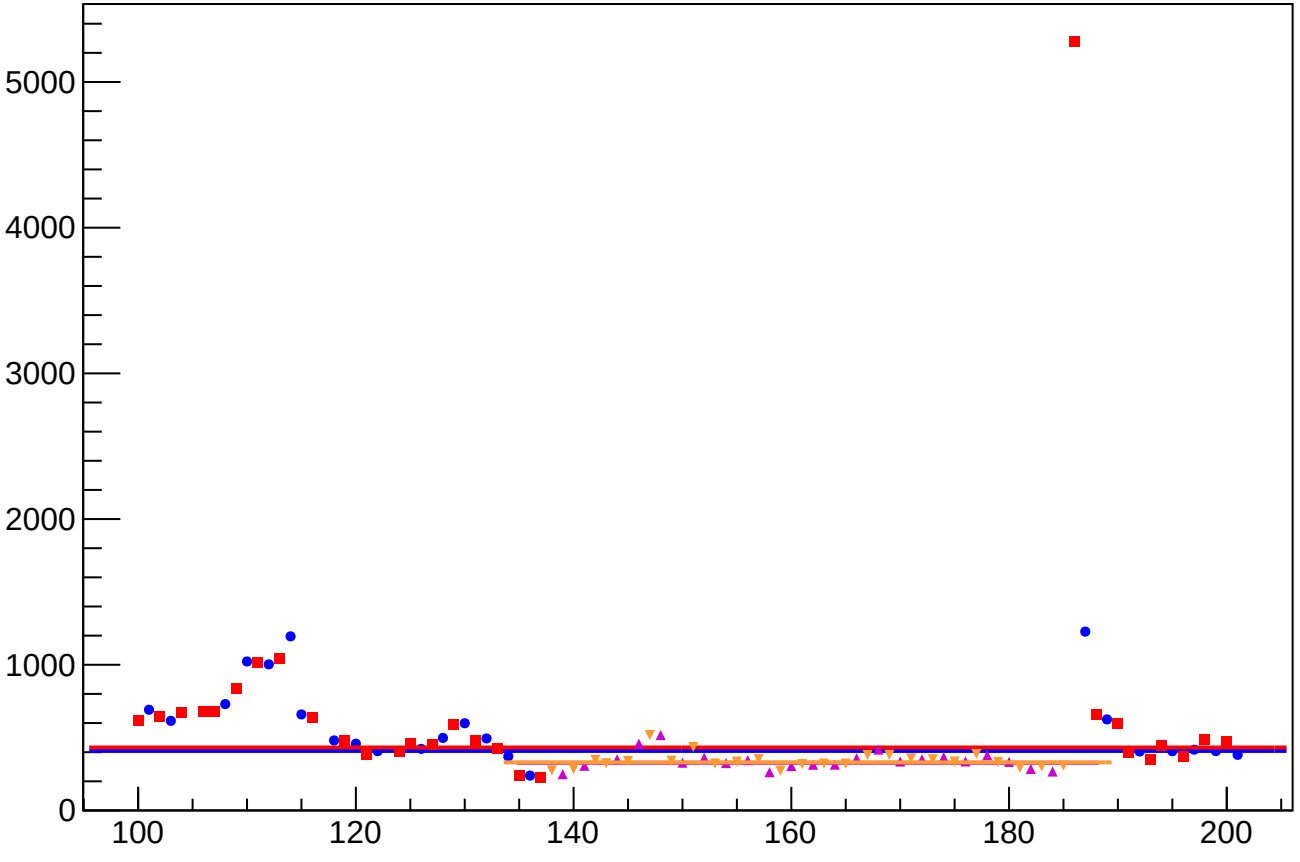
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -39.192+/-64.675 χ^2/NDF: 41.3/47

All: -8.578+/-46.200 χ^2/NDF: 102.4/98

- sign 23.321+/-66.019 χ^2/NDF: 60.6/50

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

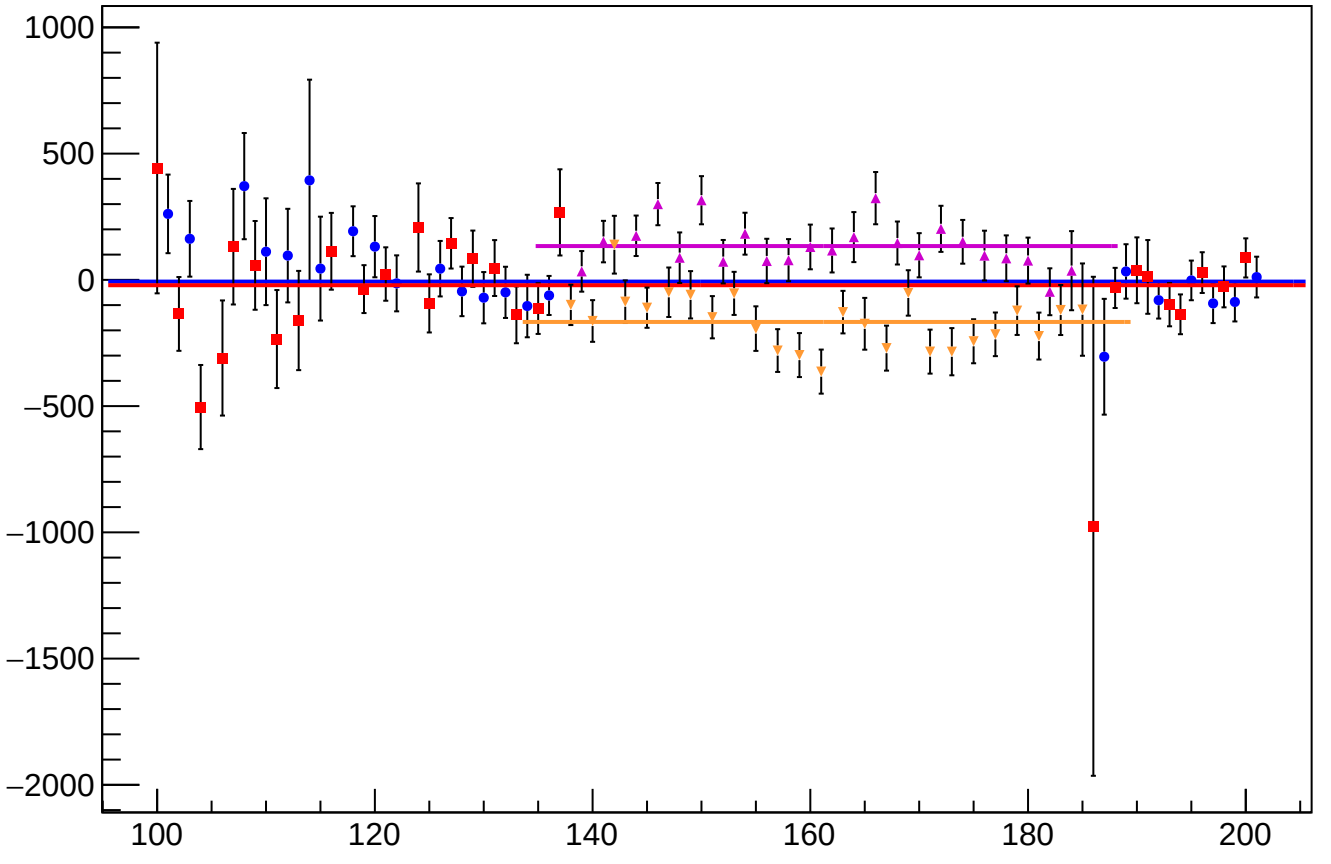
Right Out: 432.152+/-0.089 χ^2/NDF: 3476951.0/27

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 351.451+/-0.046 χ^2/NDF: 3898579.6/47

All: 353.630+/-0.033 χ^2/NDF: 9291985.4/98

- sign 355.900+/-0.047 χ^2/NDF: 5388772.0/50



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: -21.239+/-21.973 χ^2/NDF: 32.2/27

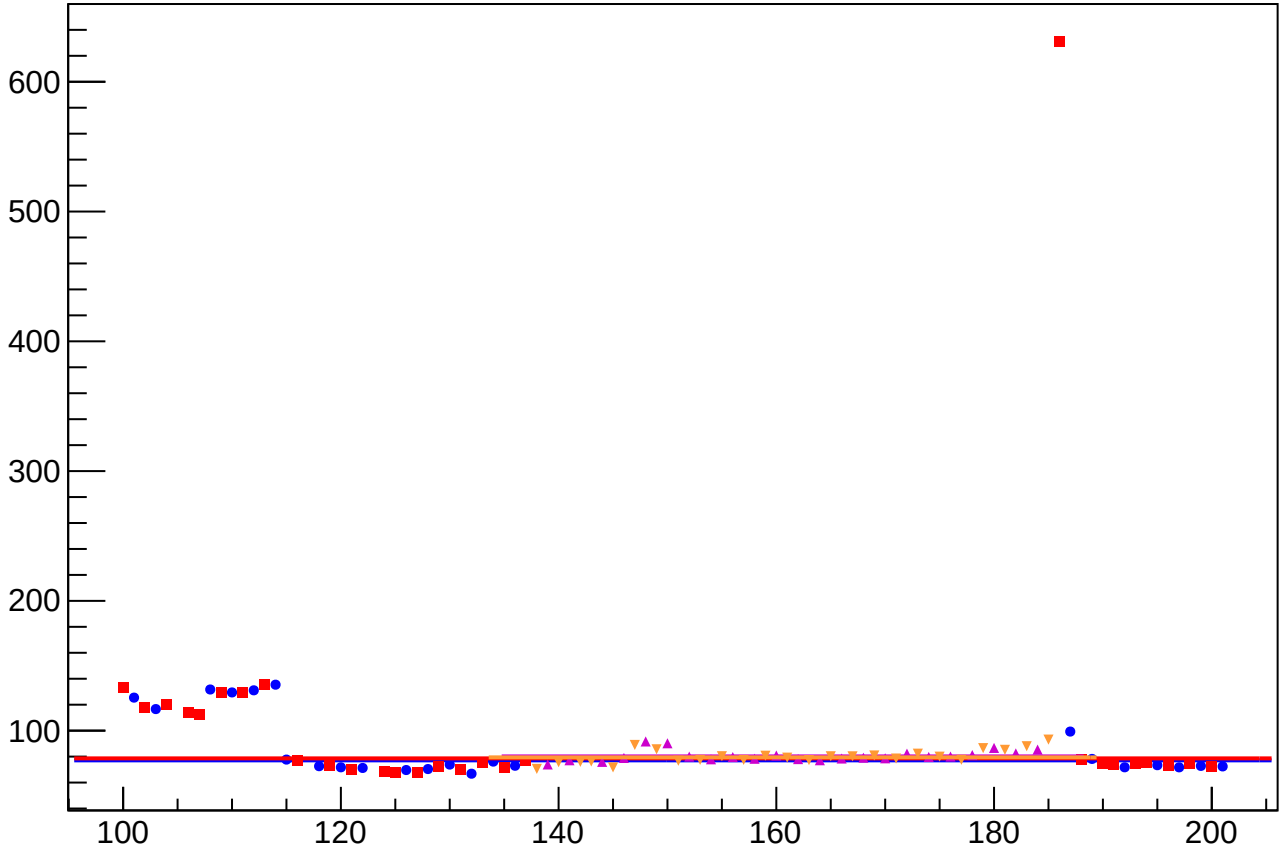
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -103.578+/-14.064 χ^2/NDF: 84.3/47

All: -18.772+/-10.015 χ^2/NDF: 239.9/98

- sign 68.481+/-14.266 χ^2/NDF: 81.8/50

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

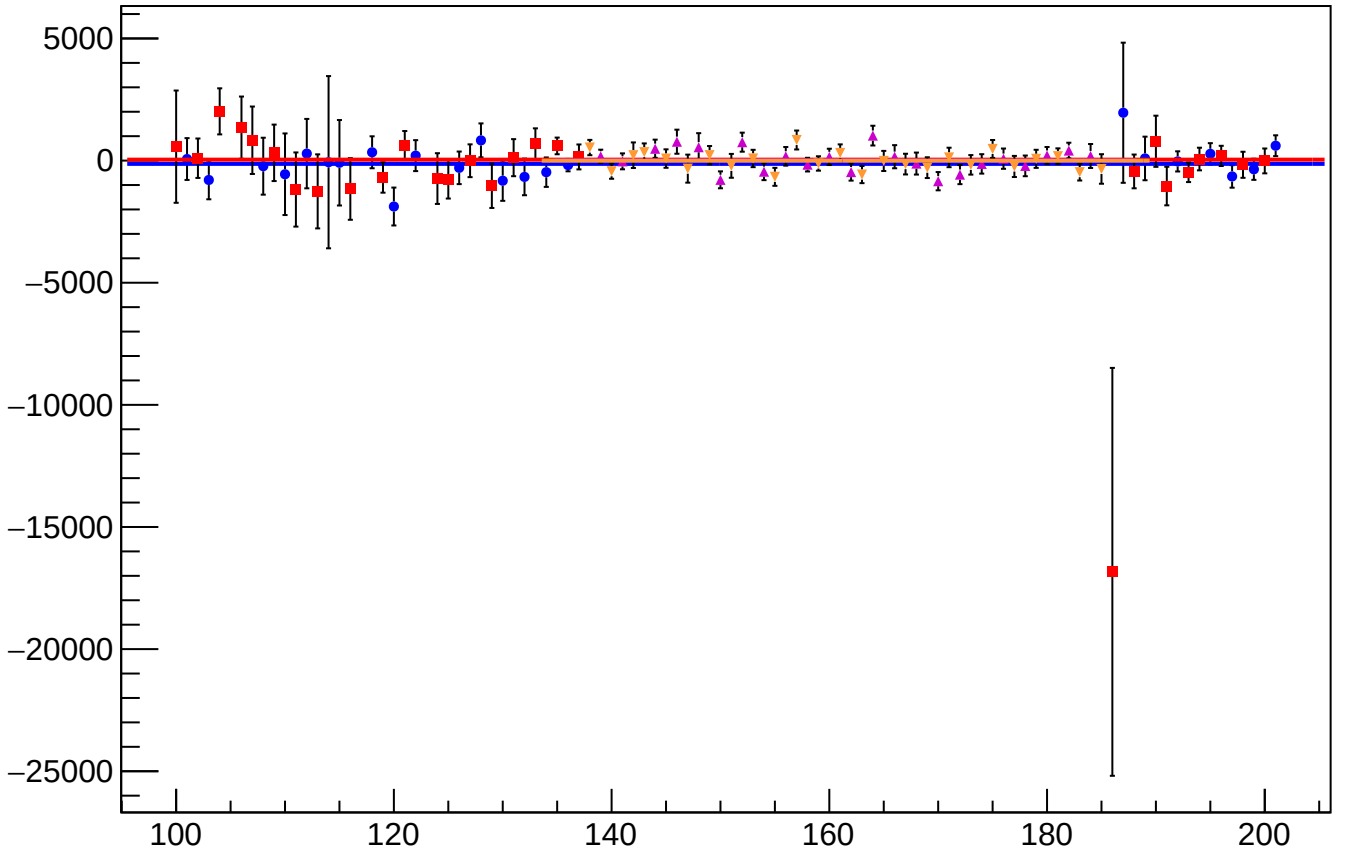
Right Out: 78.632+/-0.016 χ^2/NDF: 1616405.0/27

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

\+ sign 78.504+/-0.010 χ^2/NDF: 1066291.4/47

All: 79.003+/-0.007 χ^2/NDF: 2784864.3/98

\- sign 79.516+/-0.010 χ^2/NDF: 1713469.9/50



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: 39.256+/-125.912 χ^2/NDF: 26.3/27

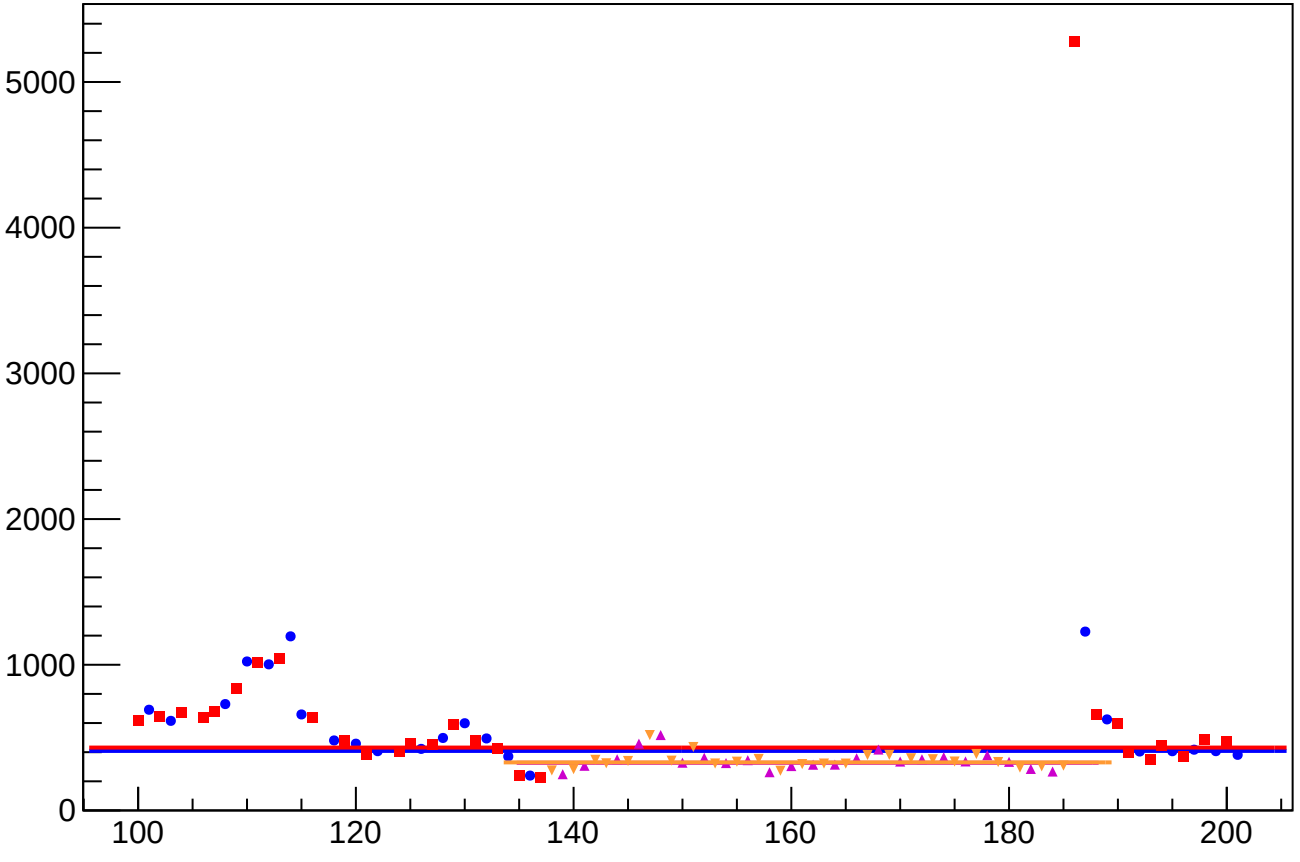
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -39.192+/-64.675 χ^2/NDF: 41.3/47

All: -7.861+/-46.202 χ^2/NDF: 103.1/98

\- sign 24.791+/-66.025 χ^2/NDF: 61.4/50

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: 431.615+/-0.089 χ^2/NDF: 3450056.2/27

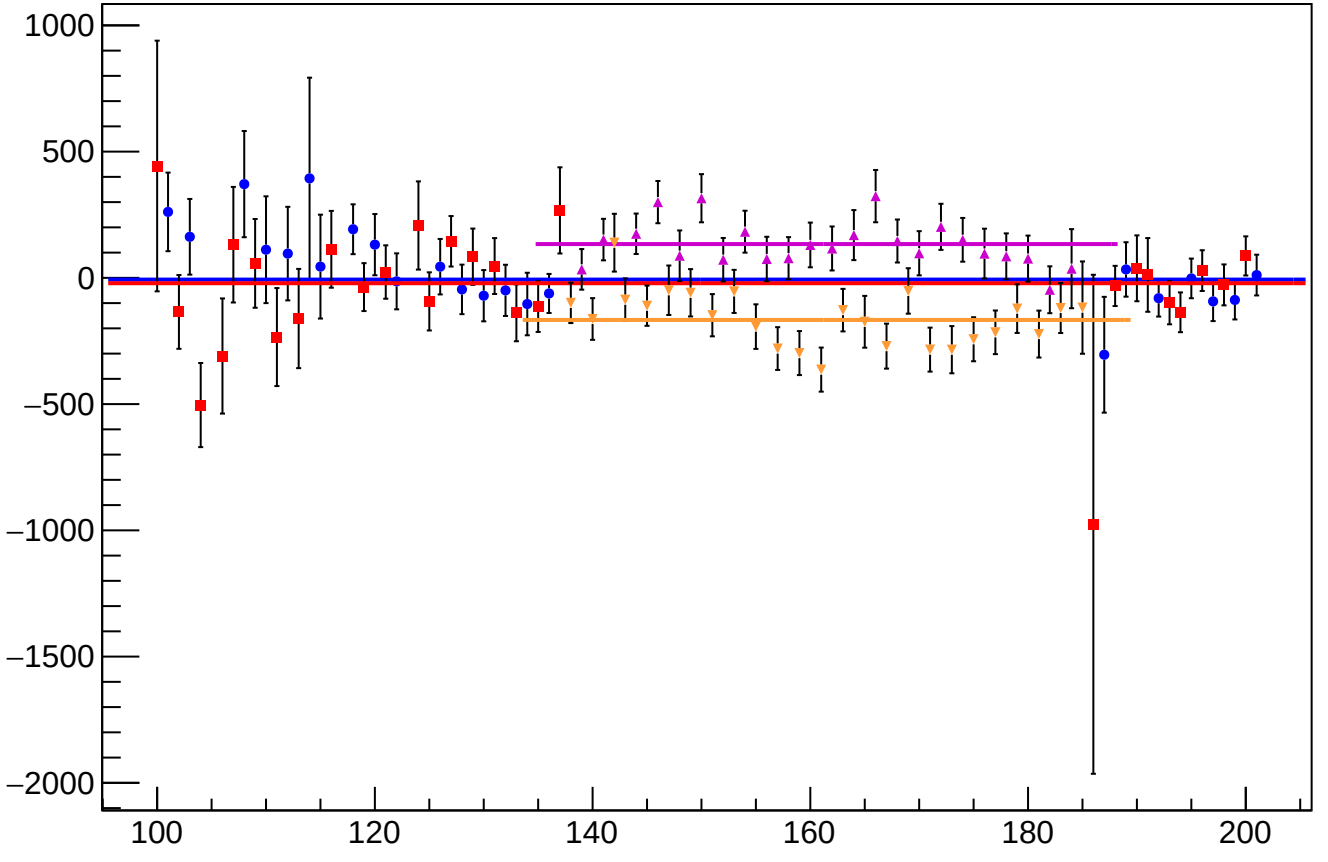
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 351.452+/-0.046 χ^2/NDF: 3898586.6/47

All: 353.551+/-0.033 χ^2/NDF: 9254002.9/98

- sign 355.739+/-0.047 χ^2/NDF: 5351111.9/50

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: -21.239+/-21.973 χ^2/NDF: 32.2/27

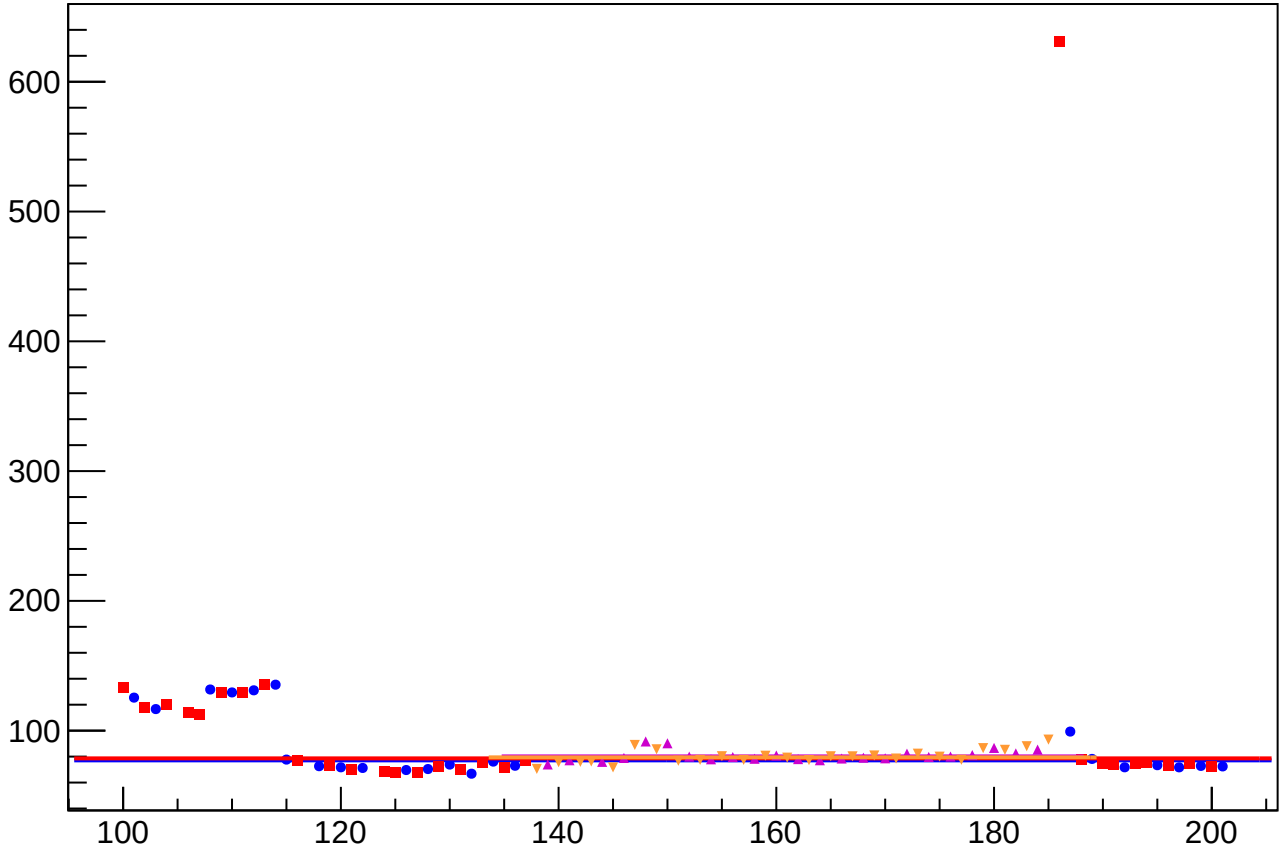
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -103.578+/-14.064 χ^2/NDF: 84.3/47

All: -18.772+/-10.015 χ^2/NDF: 239.9/98

- sign 68.481+/-14.266 χ^2/NDF: 81.8/50

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

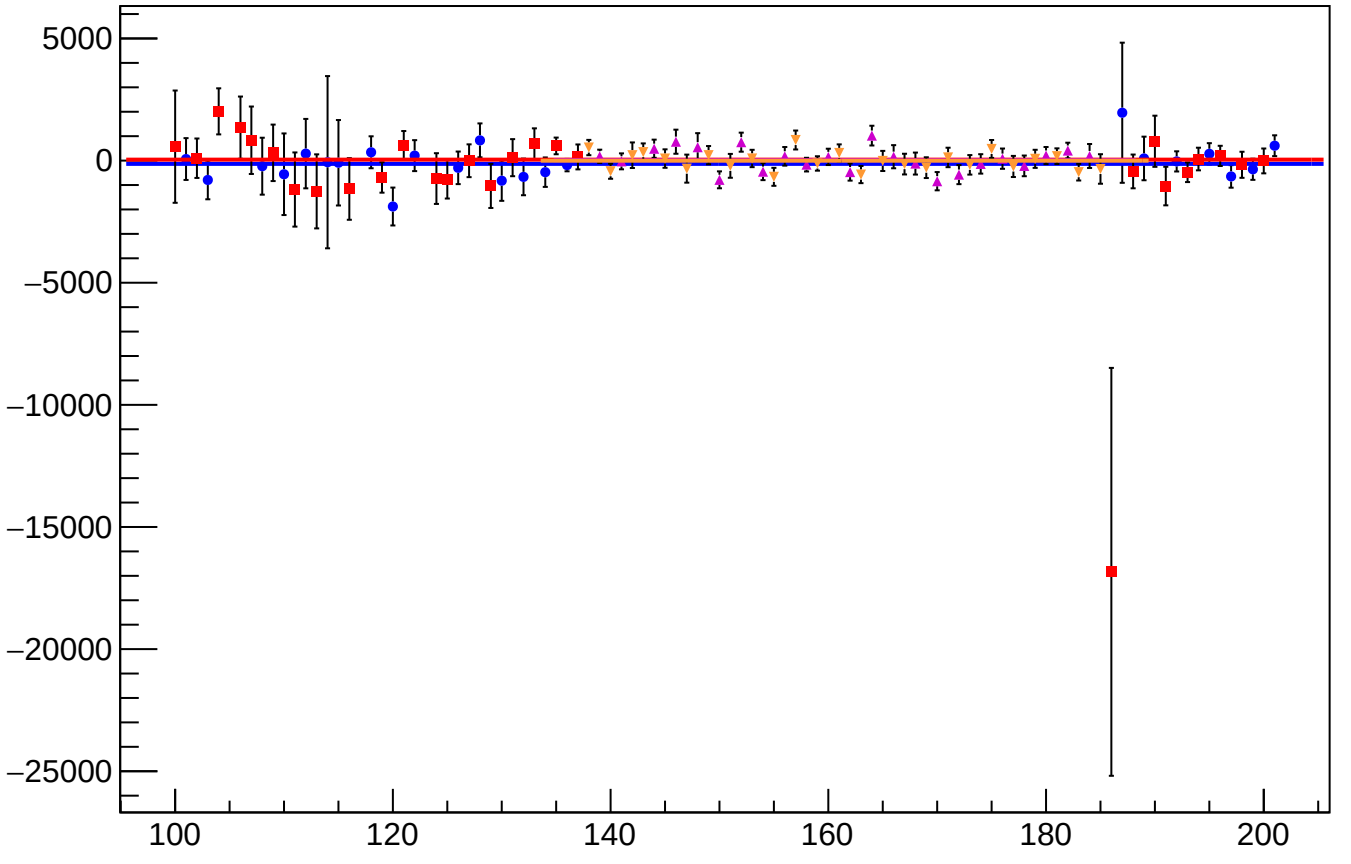
Right Out: 78.632+/-0.016 χ^2/NDF: 1616405.0/27

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.504+/-0.010 χ^2/NDF: 1066291.4/47

All: 79.003+/-0.007 χ^2/NDF: 2784864.3/98

- sign 79.516+/-0.010 χ^2/NDF: 1713469.9/50



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: 39.256+/-125.912 χ^2/NDF: 26.3/27

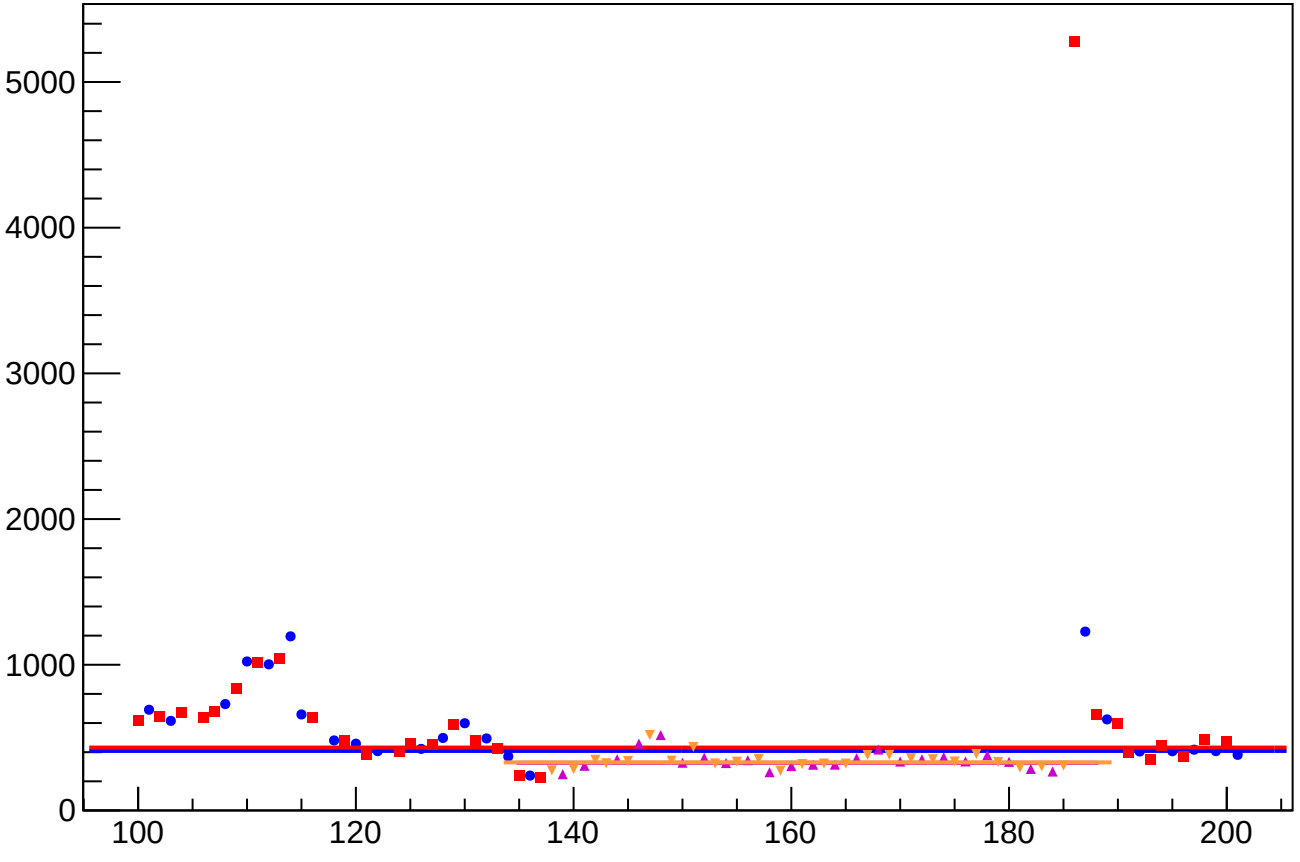
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -39.192+/-64.675 χ^2/NDF: 41.3/47

All: -7.861+/-46.202 χ^2/NDF: 103.1/98

\- sign 24.791+/-66.025 χ^2/NDF: 61.4/50

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: 431.615+/-0.089 χ^2/NDF: 3450056.2/27

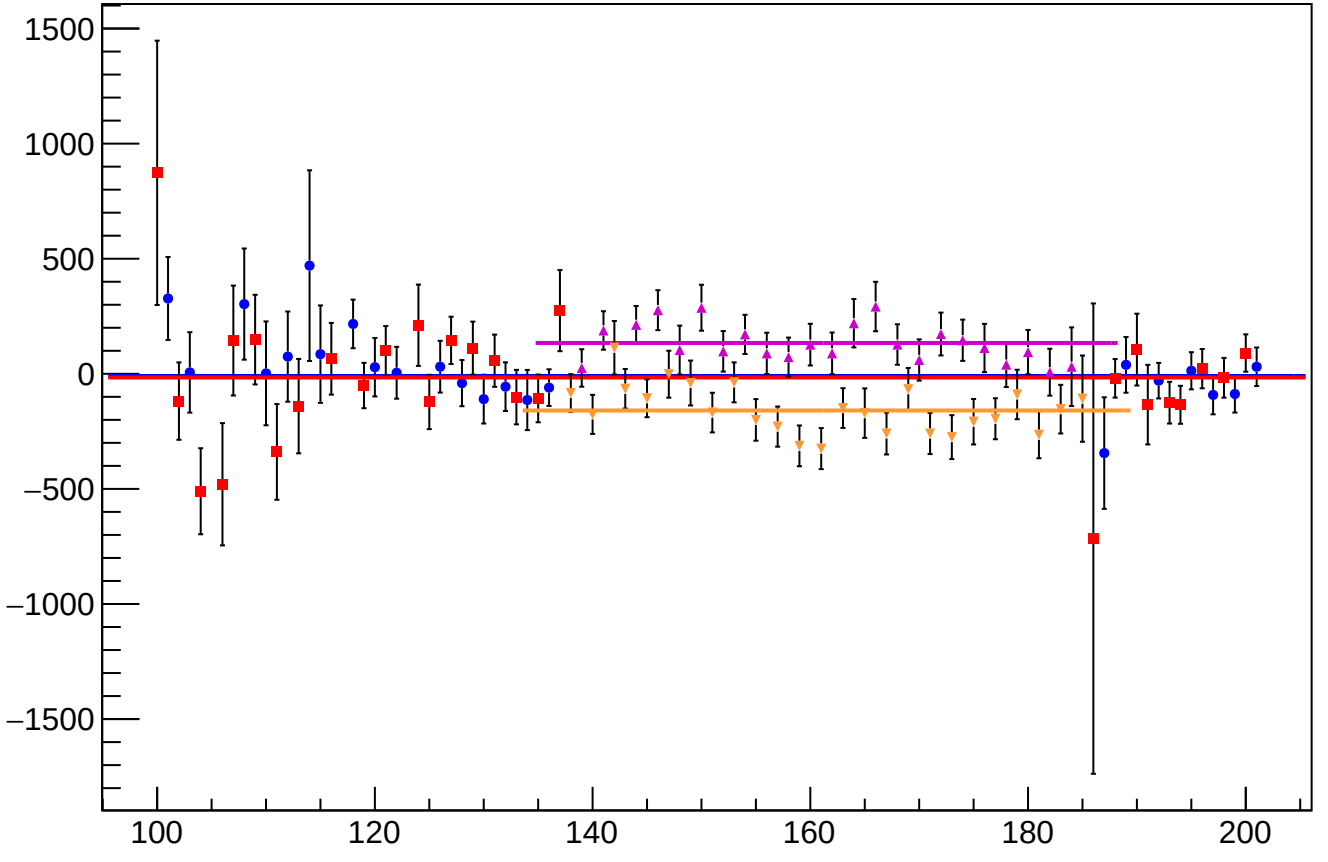
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 351.452+/-0.046 χ^2/NDF: 3898586.6/47

All: 353.551+/-0.033 χ^2/NDF: 9254002.9/98

- sign 355.739+/-0.047 χ^2/NDF: 5351111.9/50

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: -15.991+/-23.183 χ^2/NDF: 35.9/27

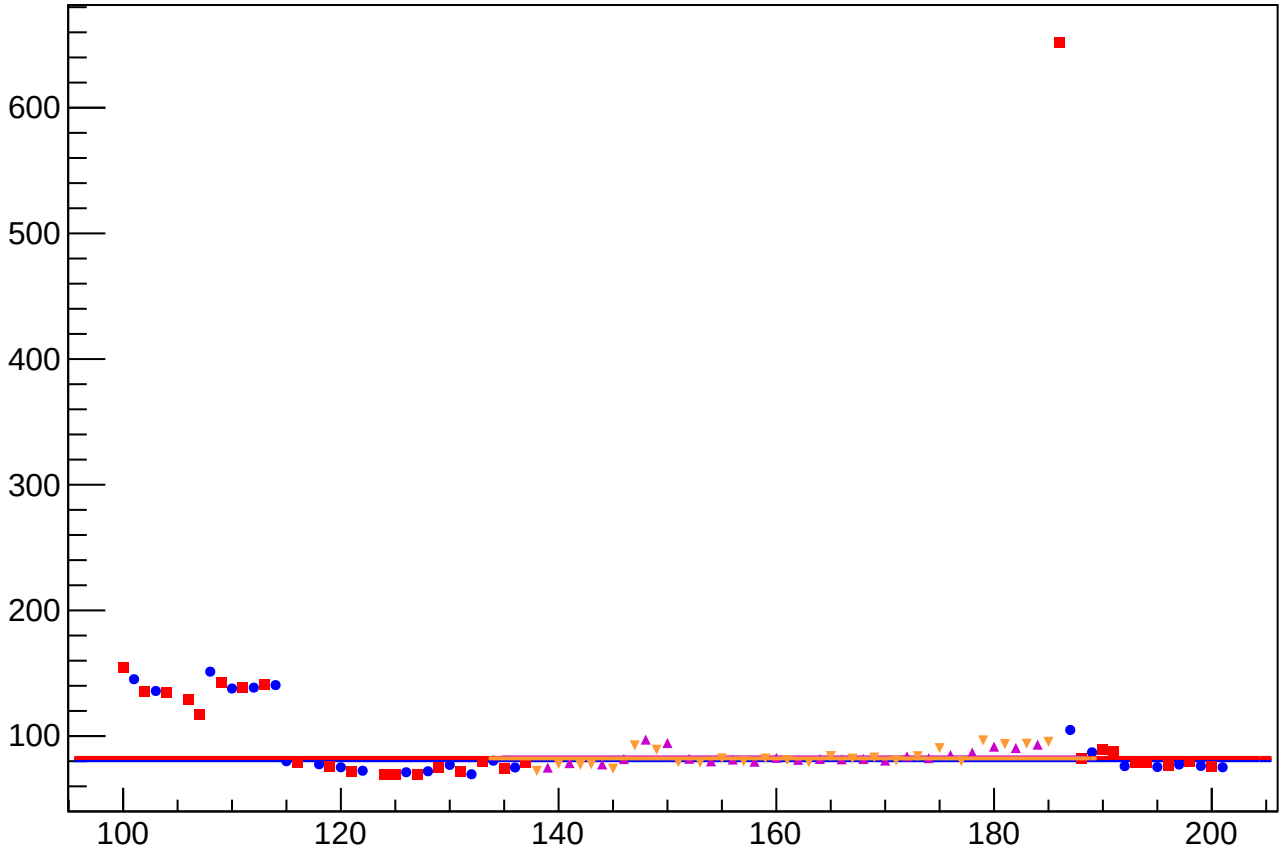
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -101.151+/-14.671 χ^2/NDF: 71.2/47

All: -15.855+/-10.453 χ^2/NDF: 216.7/98

- sign 72.077+/-14.896 χ^2/NDF: 76.9/50

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: 82.599+/-0.016 χ^2/NDF: 1789530.3/27

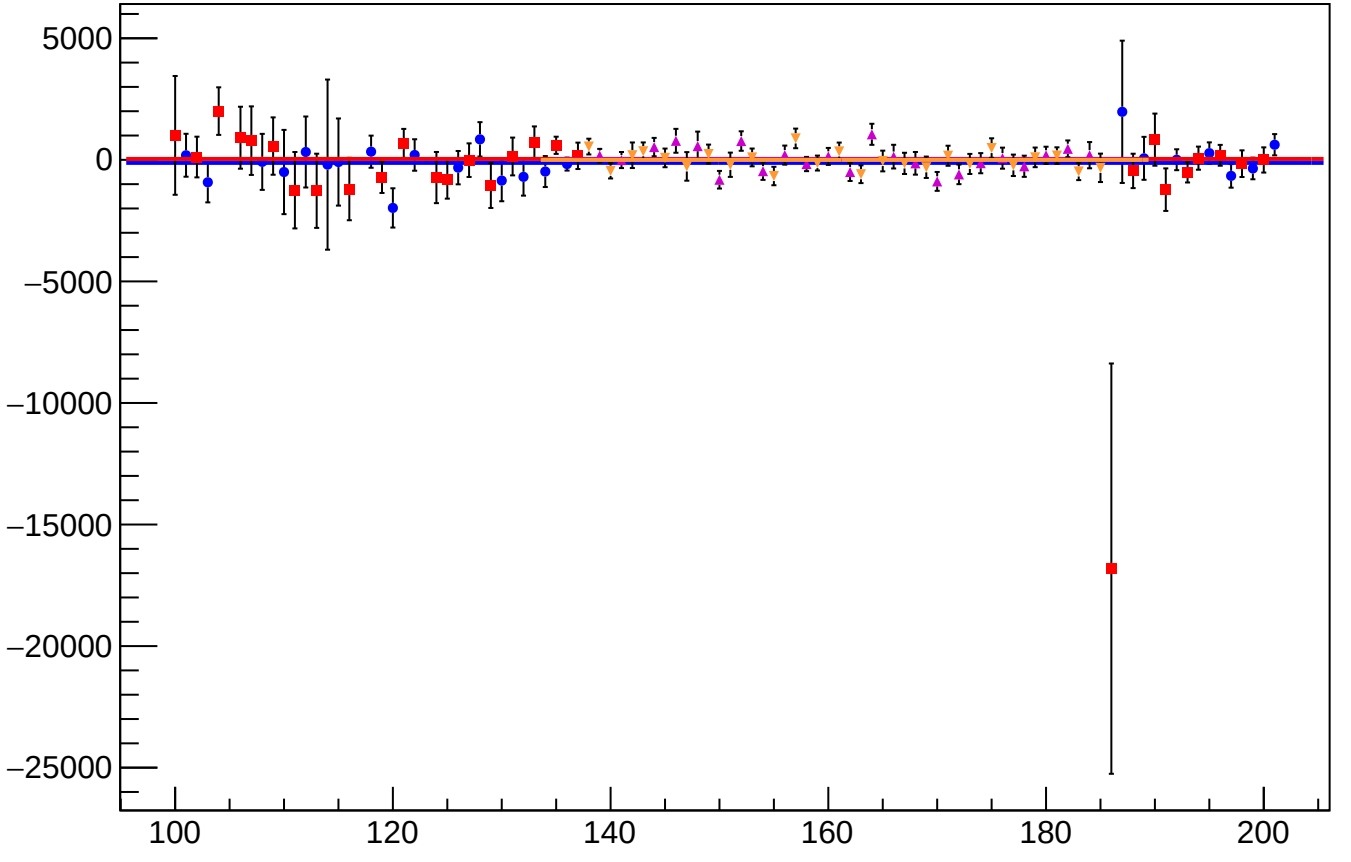
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 81.681+/-0.010 χ^2/NDF: 1331808.5/47

All: 82.247+/-0.007 χ^2/NDF: 3273325.0/98

- sign 82.830+/-0.011 χ^2/NDF: 1935478.8/50

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: 37.351+/-130.145 χ^2/NDF: 25.8/27

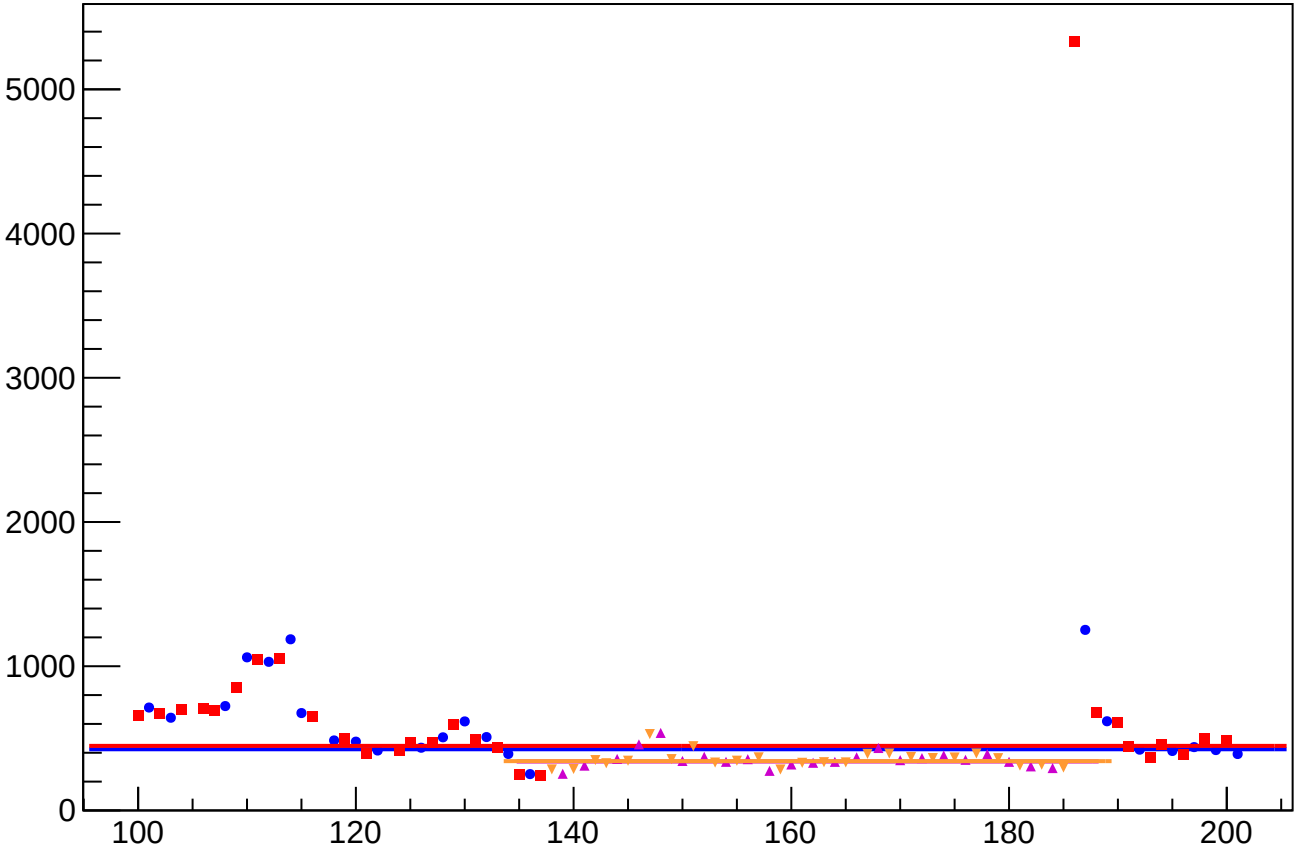
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -36.316+/-66.978 χ^2/NDF: 40.8/47

All: -7.639+/-47.857 χ^2/NDF: 101.9/98

\- sign 22.274+/-68.406 χ^2/NDF: 60.7/50

asym_sam1_dit_correction_rms vs Slug



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: 447.800+/-0.092 χ^2/NDF: 3382776.9/27

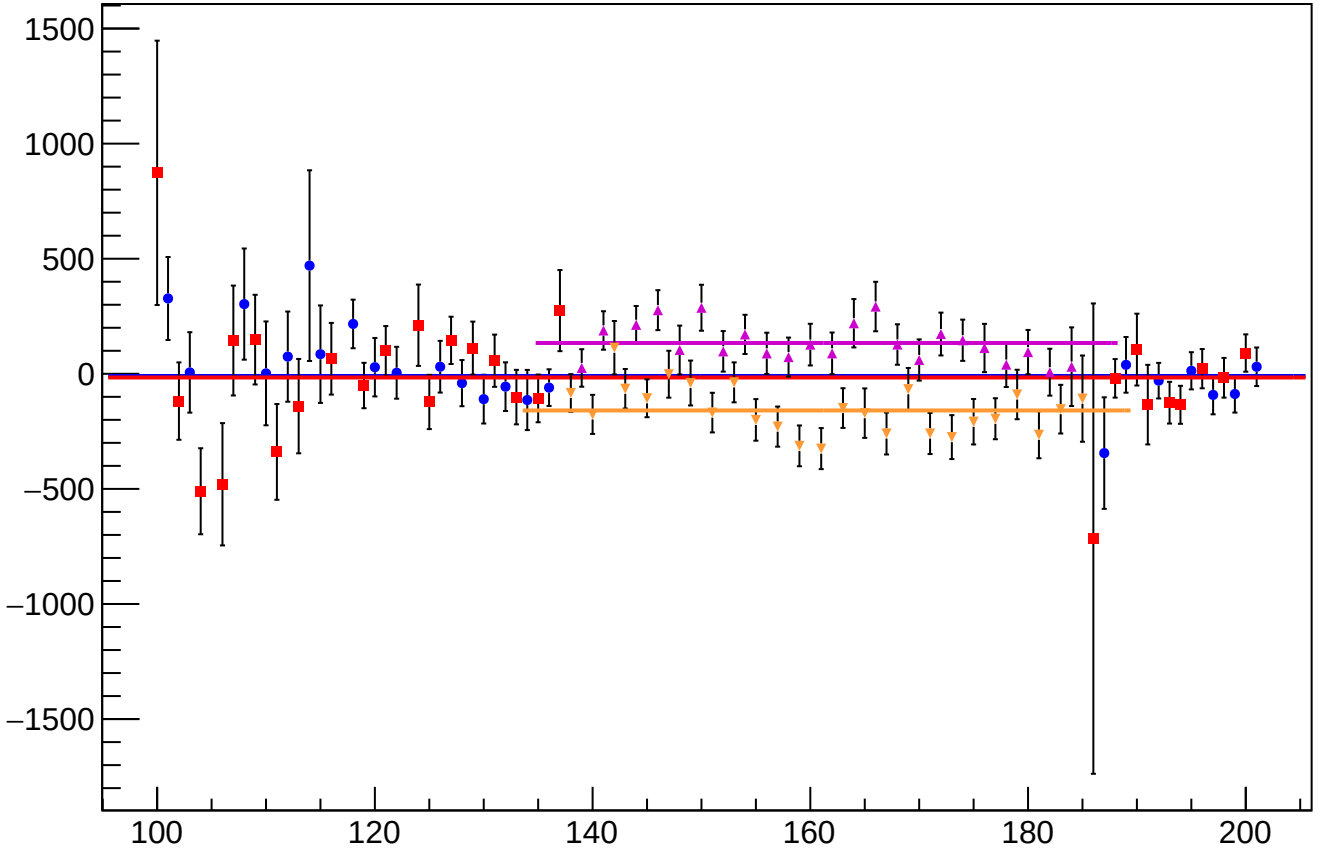
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 364.433+/-0.047 χ^2/NDF: 3781684.5/47

All: 366.849+/-0.034 χ^2/NDF: 9020120.0/98

- sign 369.369+/-0.048 χ^2/NDF: 5233117.6/50

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: -15.990+/-23.183 χ^2/NDF: 35.9/27

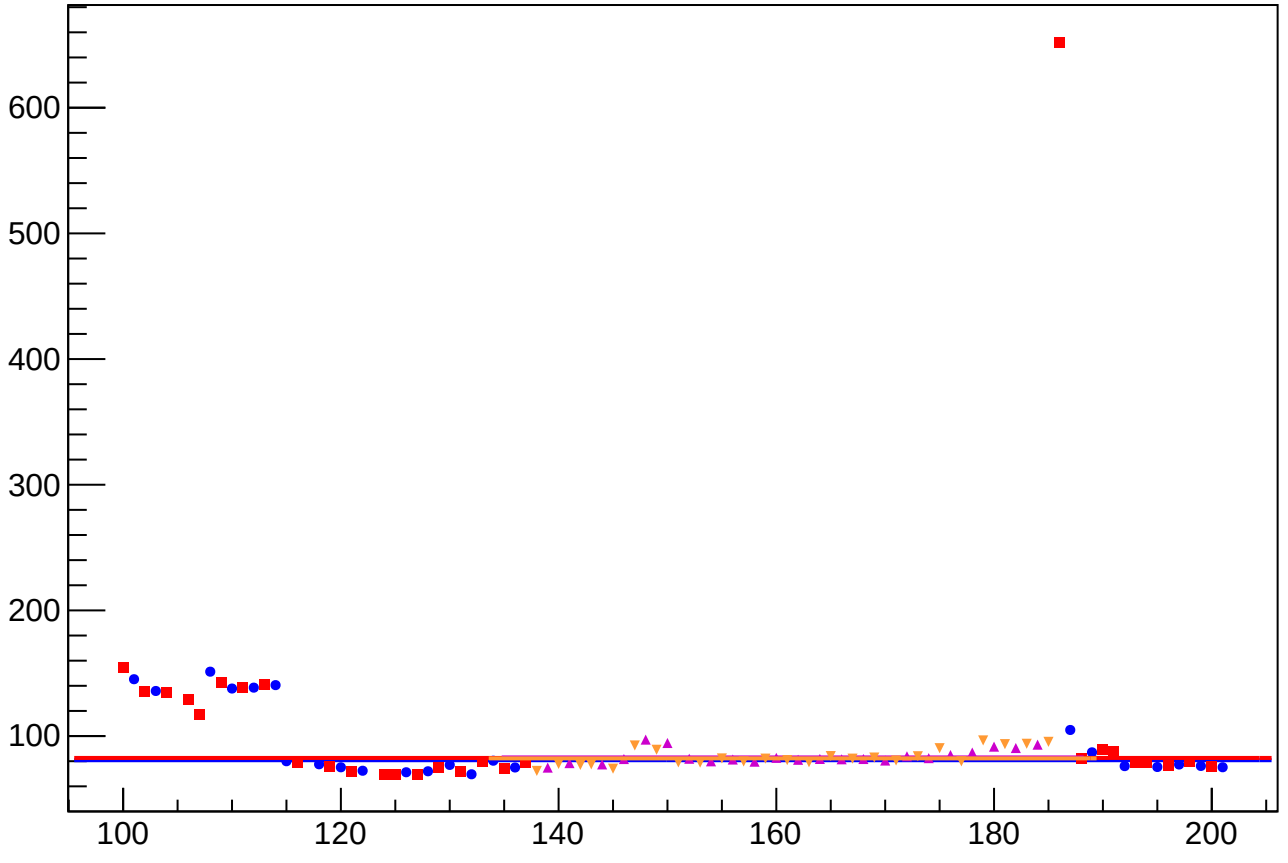
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -101.151+/-14.671 χ^2/NDF: 71.2/47

All: -15.854+/-10.453 χ^2/NDF: 216.7/98

- sign 72.077+/-14.896 χ^2/NDF: 76.9/50

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

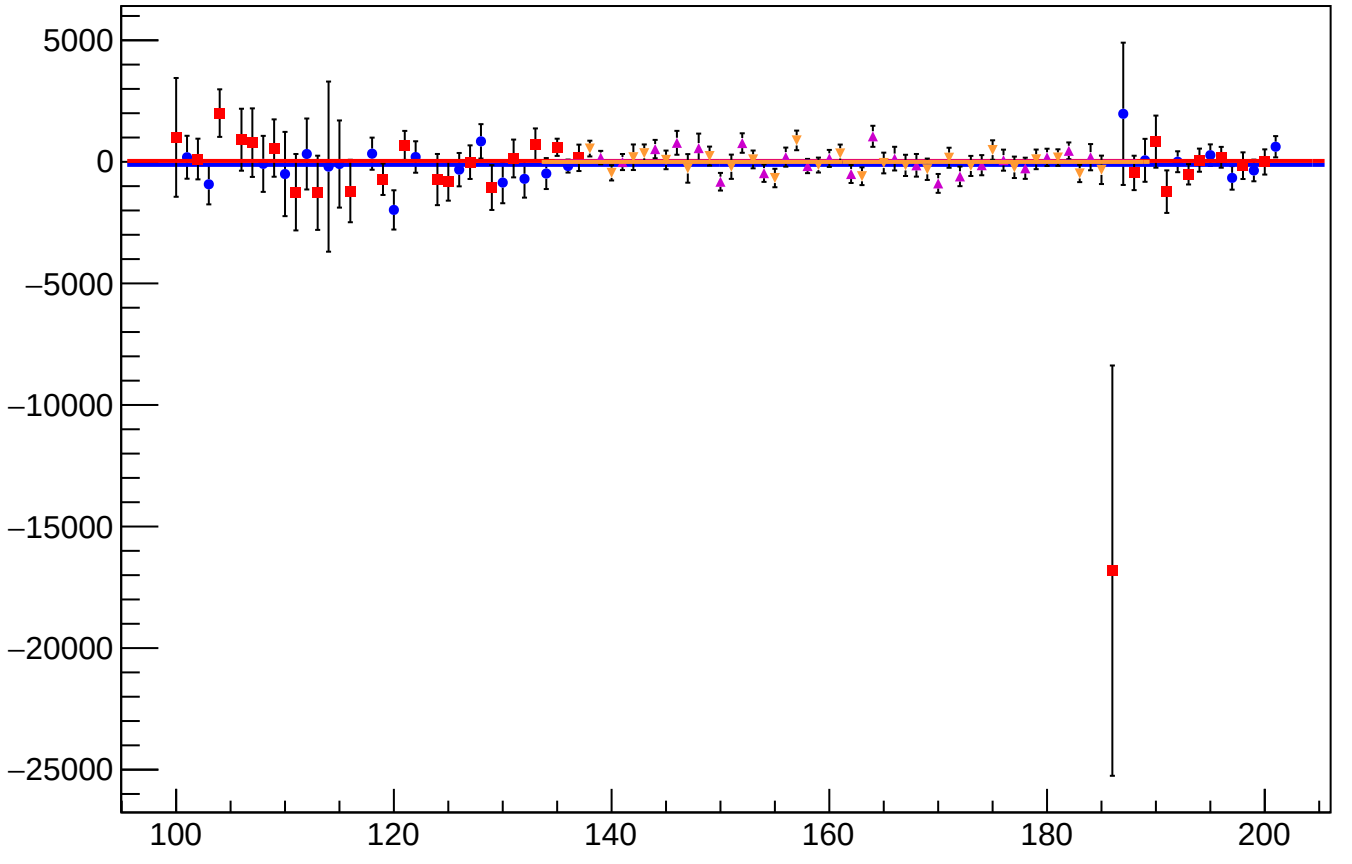
Right Out: 82.598+/-0.016 χ^2/NDF: 1789530.4/27

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 81.681+/-0.010 χ^2/NDF: 1331810.8/47

All: 82.247+/-0.007 χ^2/NDF: 3273325.9/98

- sign 82.830+/-0.011 χ^2/NDF: 1935477.6/50



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: 37.352+/-130.145 χ^2/NDF: 25.8/27

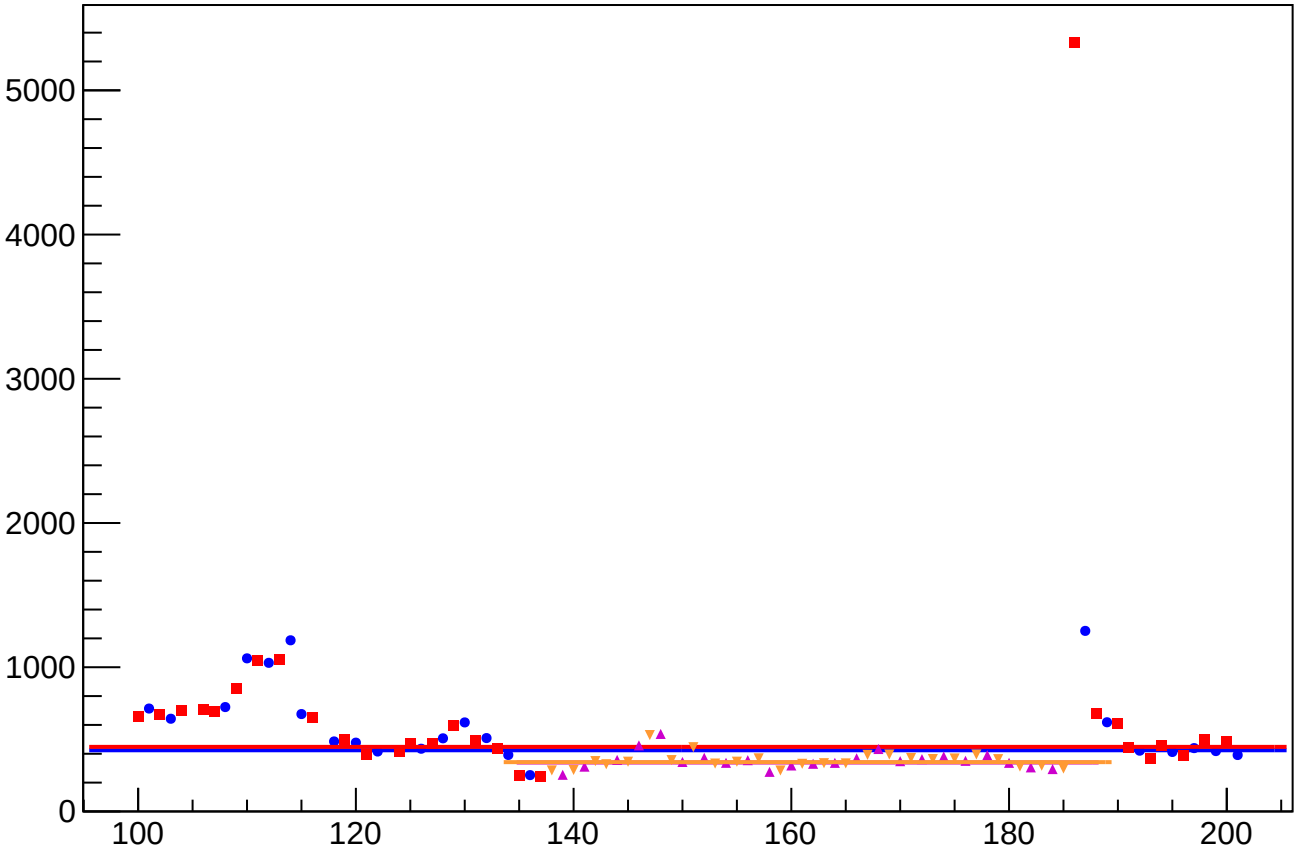
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -36.315+/-66.978 χ^2/NDF: 40.8/47

All: -7.639+/-47.857 χ^2/NDF: 101.9/98

- sign 22.274+/-68.406 χ^2/NDF: 60.7/50

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: 447.799+/-0.092 χ^2/NDF: 3382785.4/27

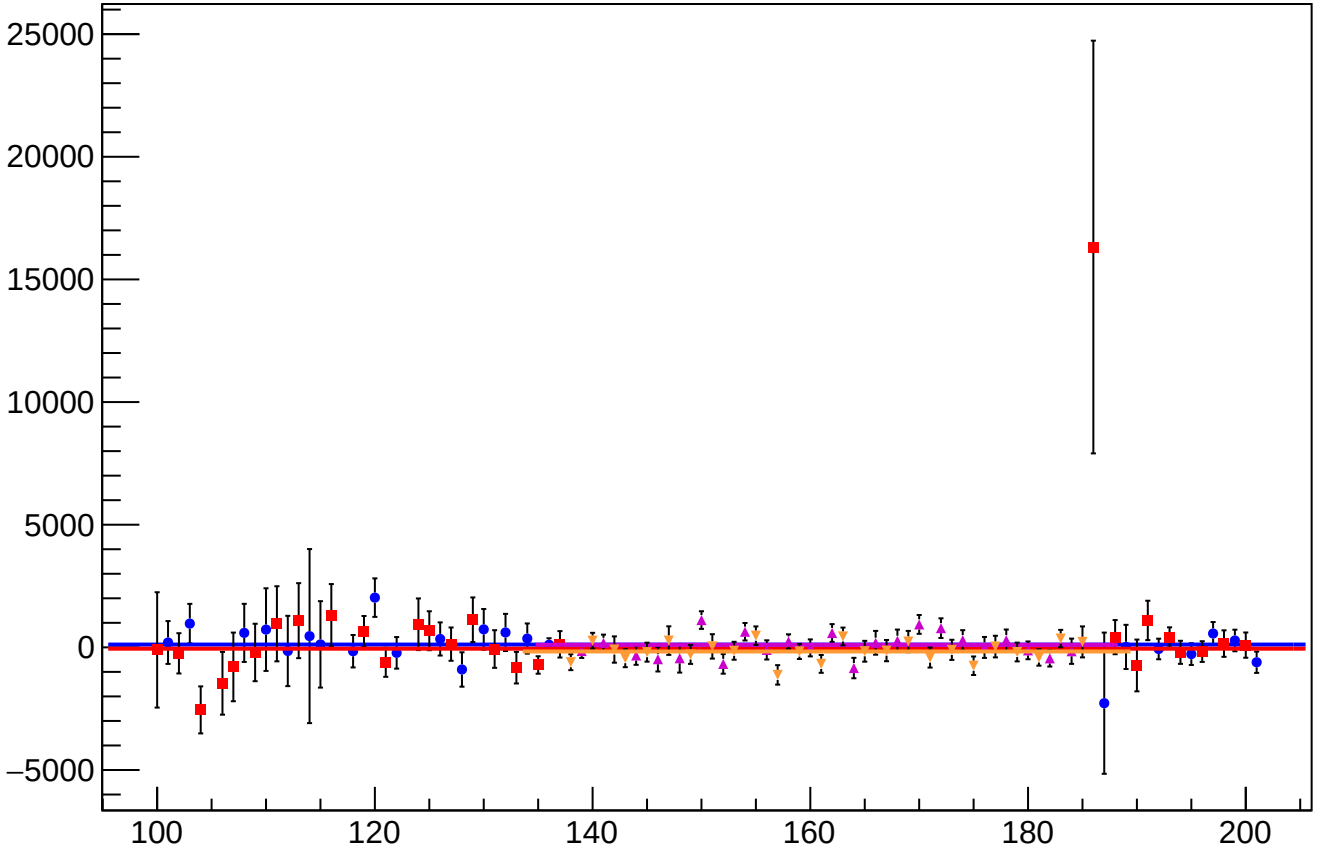
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 364.433+/-0.047 χ^2/NDF: 3781681.7/47

All: 366.849+/-0.034 χ^2/NDF: 9020113.4/98

- sign 369.369+/-0.048 χ^2/NDF: 5233113.9/50

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: -54.692+/-128.539 χ^2/NDF: 29.5/27

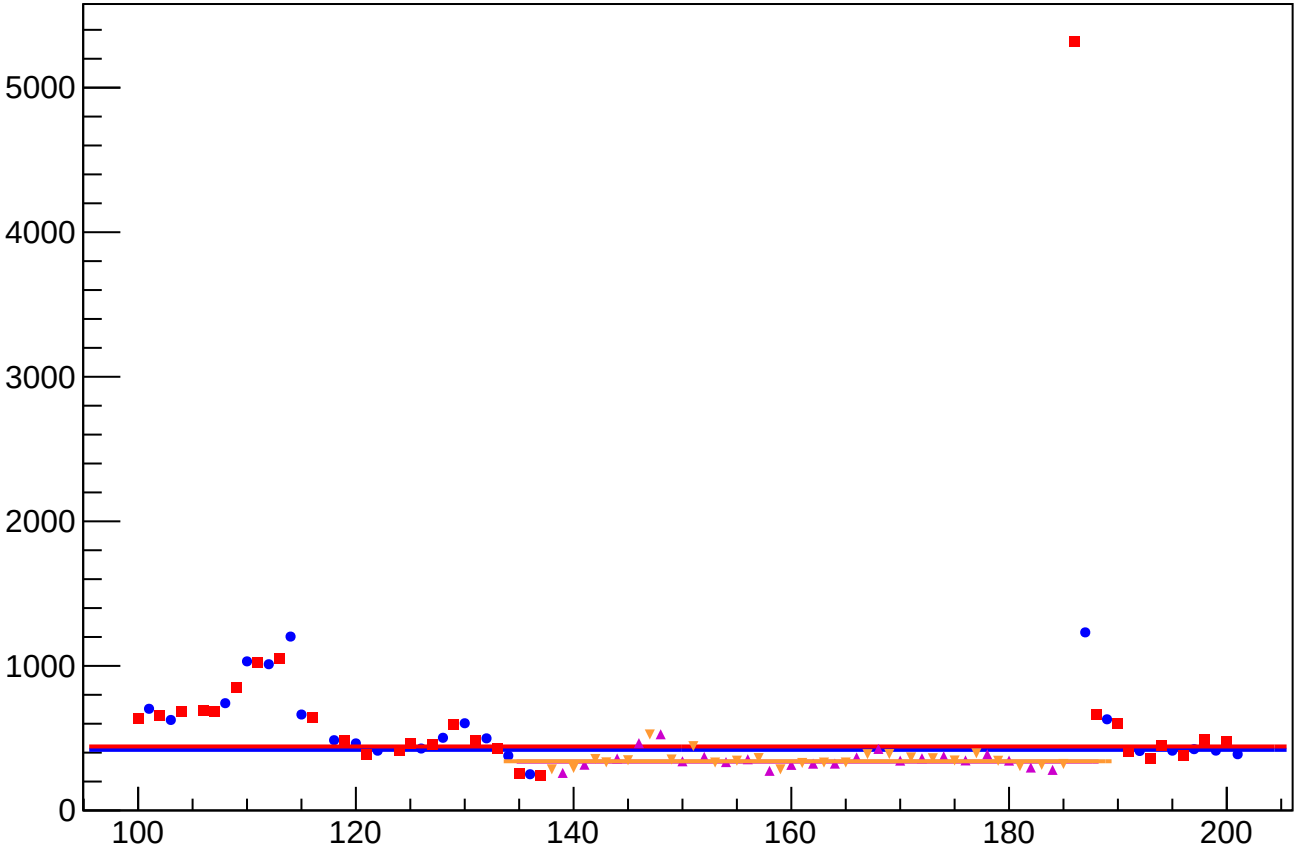
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -89.759+/-66.505 χ^2/NDF: 45.8/47

All: -16.595+/-47.518 χ^2/NDF: 116.4/98

- sign 59.707+/-67.917 χ^2/NDF: 68.1/50

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: 442.658+/-0.091 χ^2/NDF: 3319667.2/27

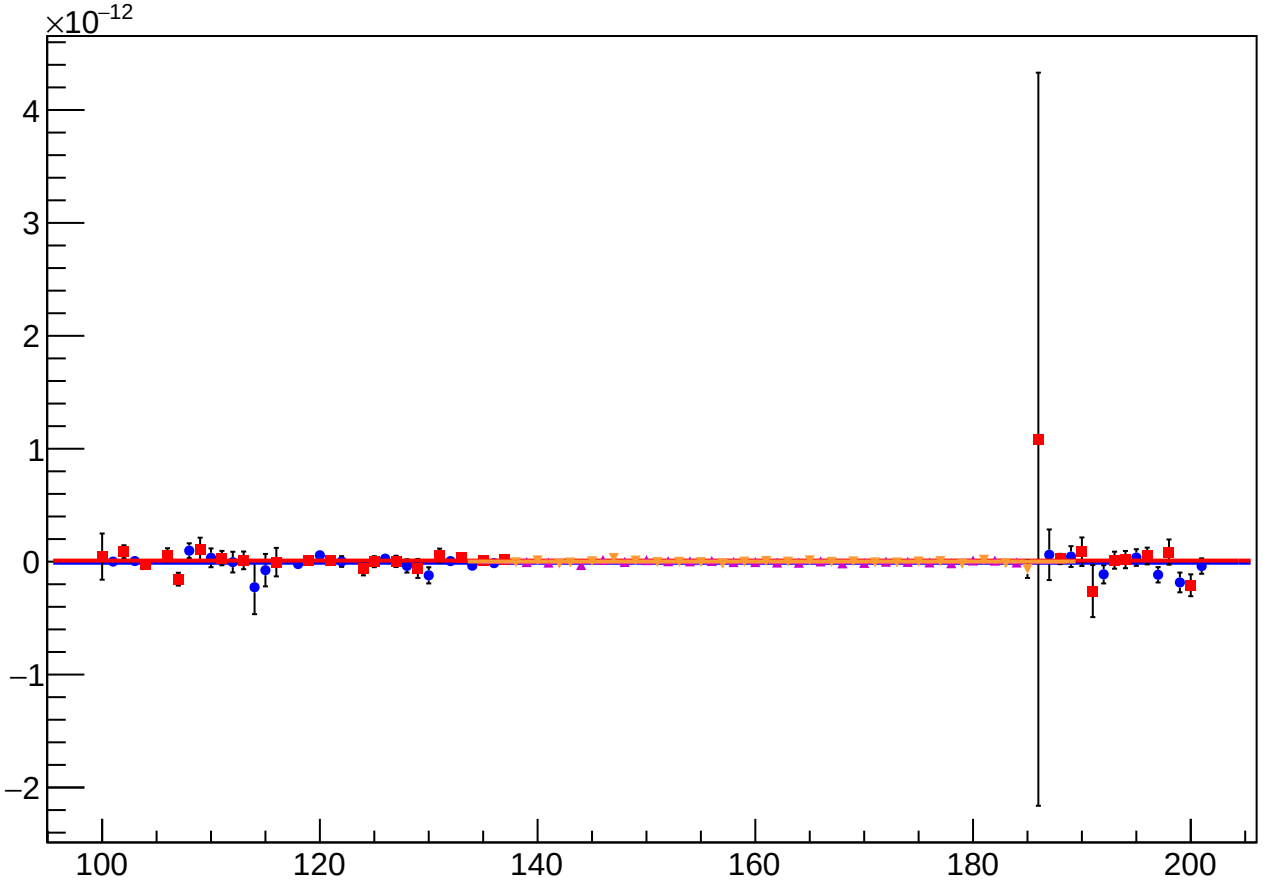
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 362.175+/-0.047 χ^2/NDF: 3671884.8/47

All: 364.559+/-0.034 χ^2/NDF: 8777610.8/98

- sign 367.045+/-0.048 χ^2/NDF: 5100476.7/50

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: 24.2/27

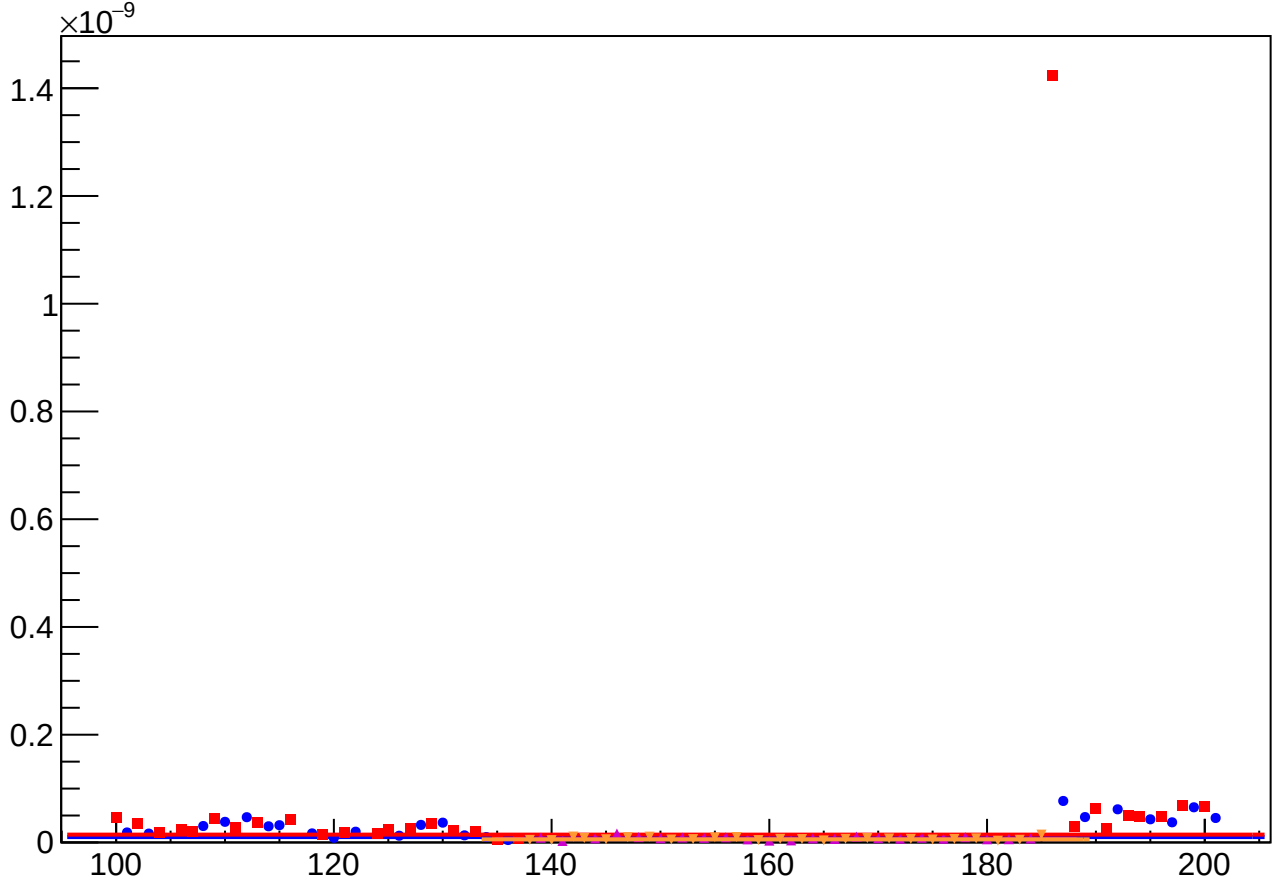
Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.9/47

All: -0.000+/-0.000 χ^2/NDF: 81.9/98

- sign -0.000+/-0.000 χ^2/NDF: 38.6/50

asym_sam1_reg_vs_cor_diff_rms vs Slug



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: 6139167.7/27

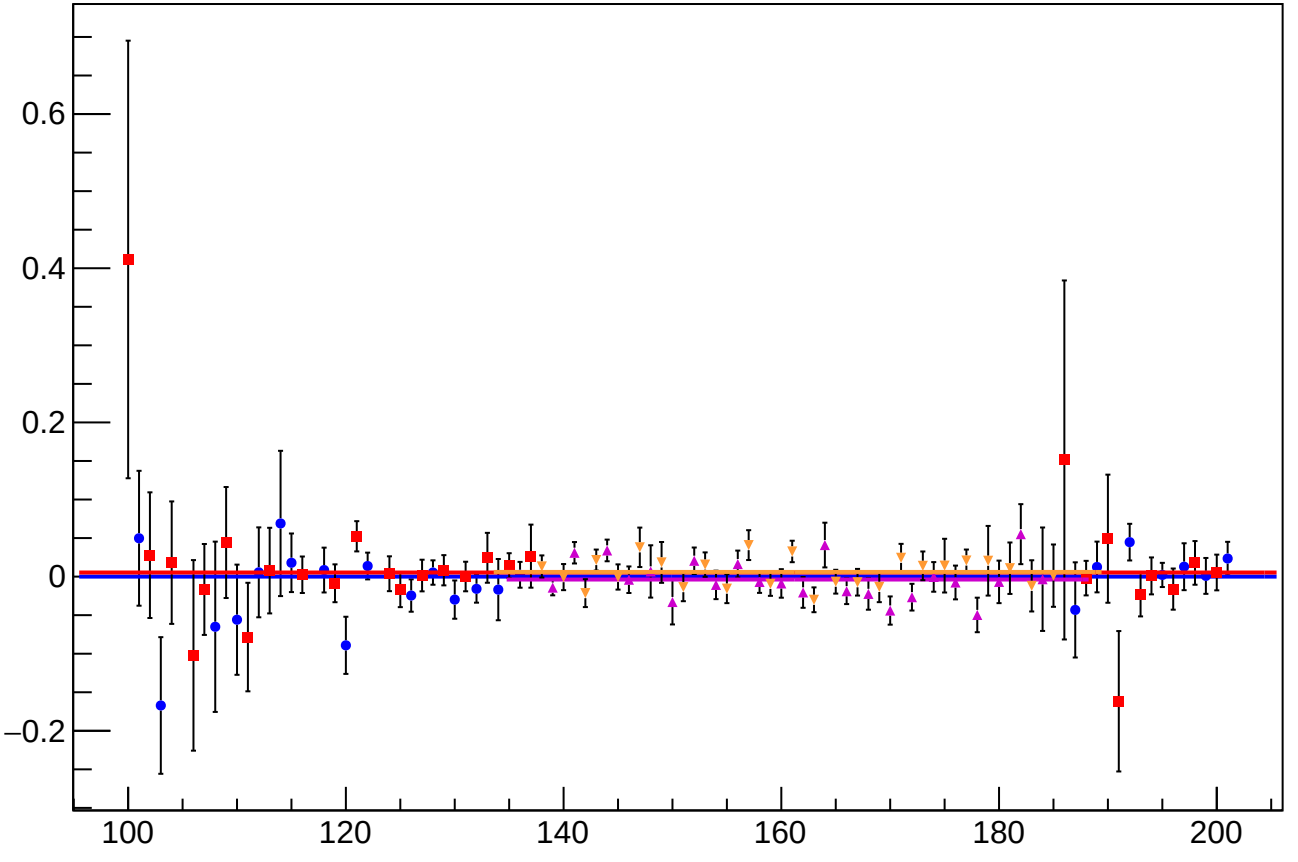
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8246192.9/47

All: 0.000+/-0.000 χ^2/NDF: 18469080.5/98

- sign 0.000+/-0.000 χ^2/NDF: 10129067.1/50

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: 19.0/27

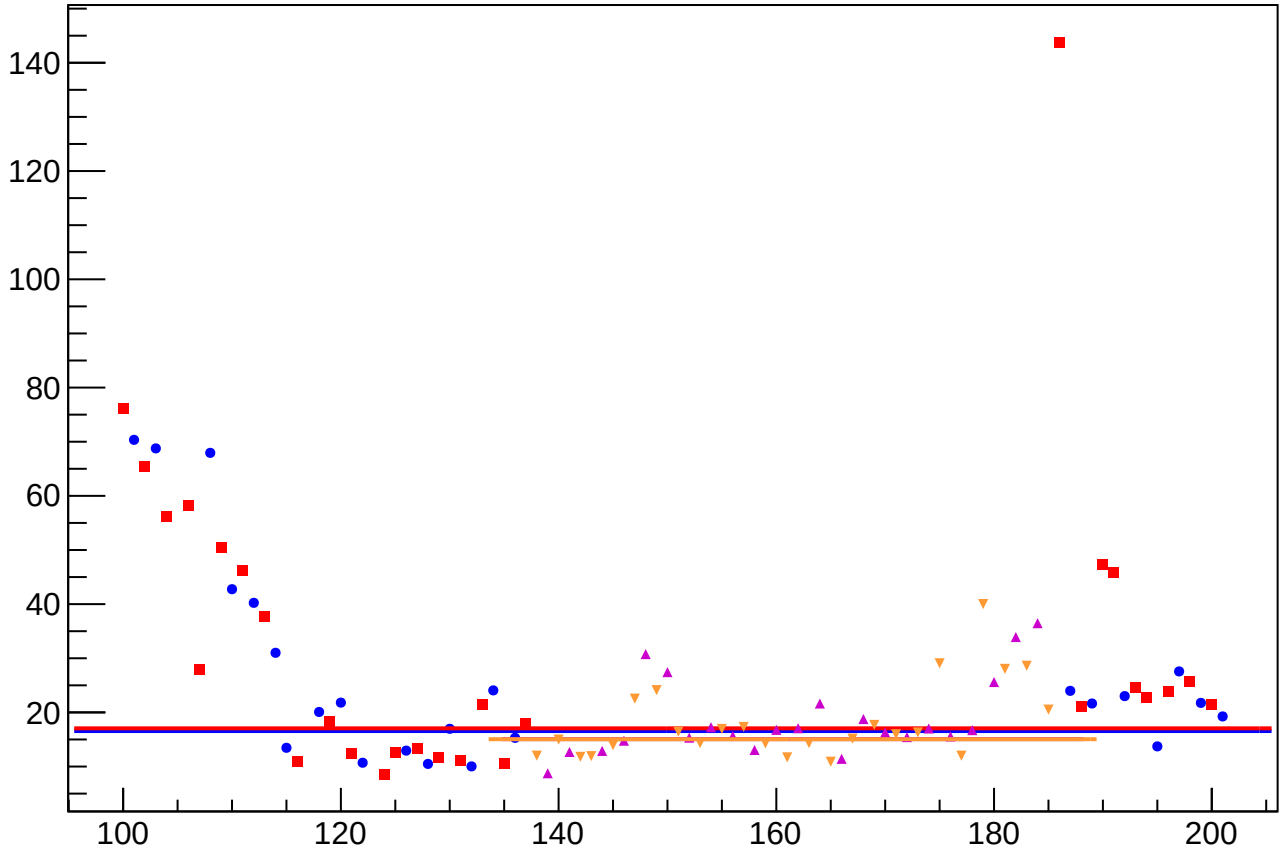
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 49.1/47

All: 0.002+/-0.002 χ^2/NDF: 108.3/98

- sign -0.001+/-0.003 χ^2/NDF: 58.0/50

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

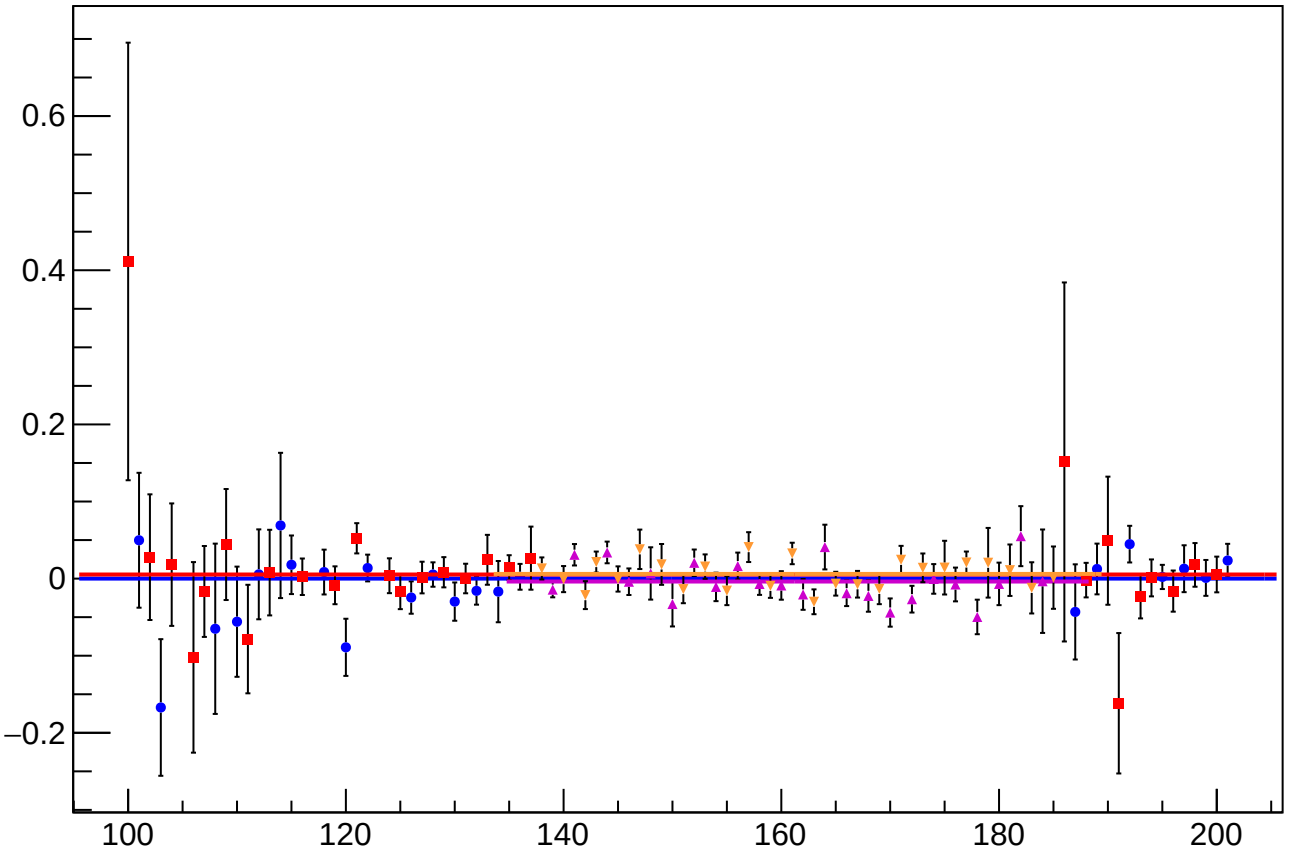
Right Out: 17.057+/-0.004 χ^2/NDF: 5762861.4/27

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.524+/-0.002 χ^2/NDF: 7089308.3/47

All: 15.627+/-0.002 χ^2/NDF: 16103879.9/98

- sign 15.734+/-0.002 χ^2/NDF: 9009933.7/50



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: 19.0/27

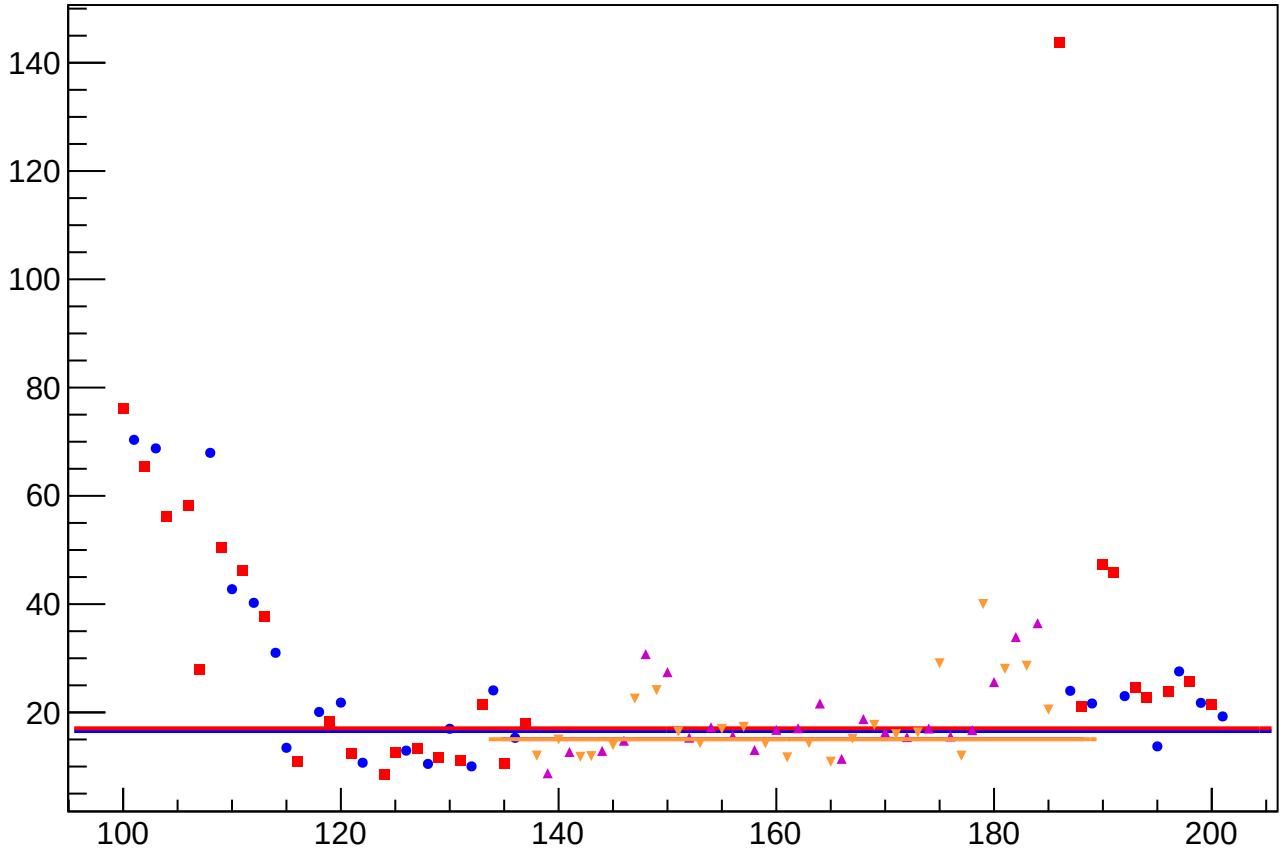
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 49.1/47

All: 0.002+/-0.002 χ^2/NDF: 108.3/98

- sign -0.001+/-0.003 χ^2/NDF: 58.0/50

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: 17.057+/-0.004 χ^2/NDF: 5762861.4/27

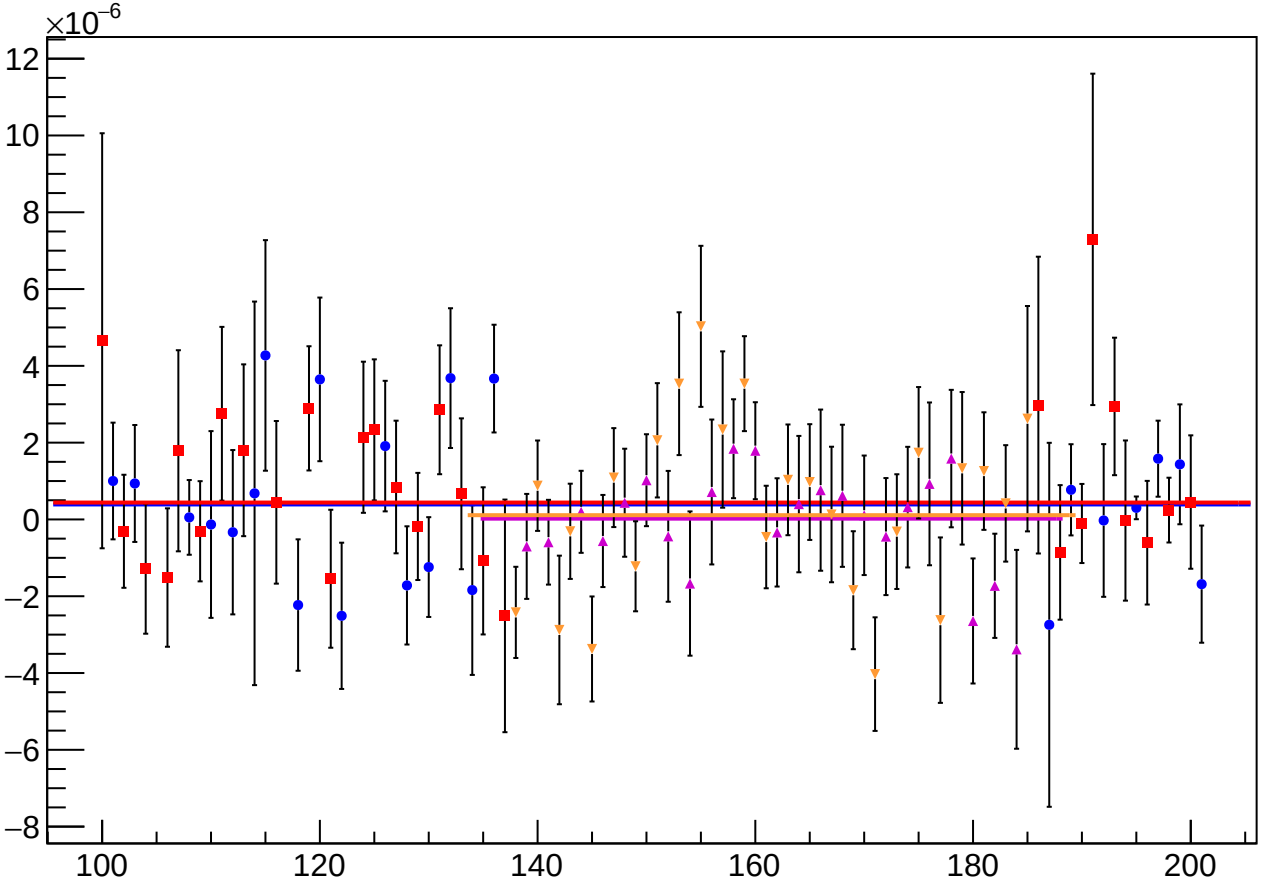
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.524+/-0.002 χ^2/NDF: 7089308.3/47

All: 15.627+/-0.002 χ^2/NDF: 16103879.9/98

- sign 15.734+/-0.002 χ^2/NDF: 9009933.7/50

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: 20.6/27

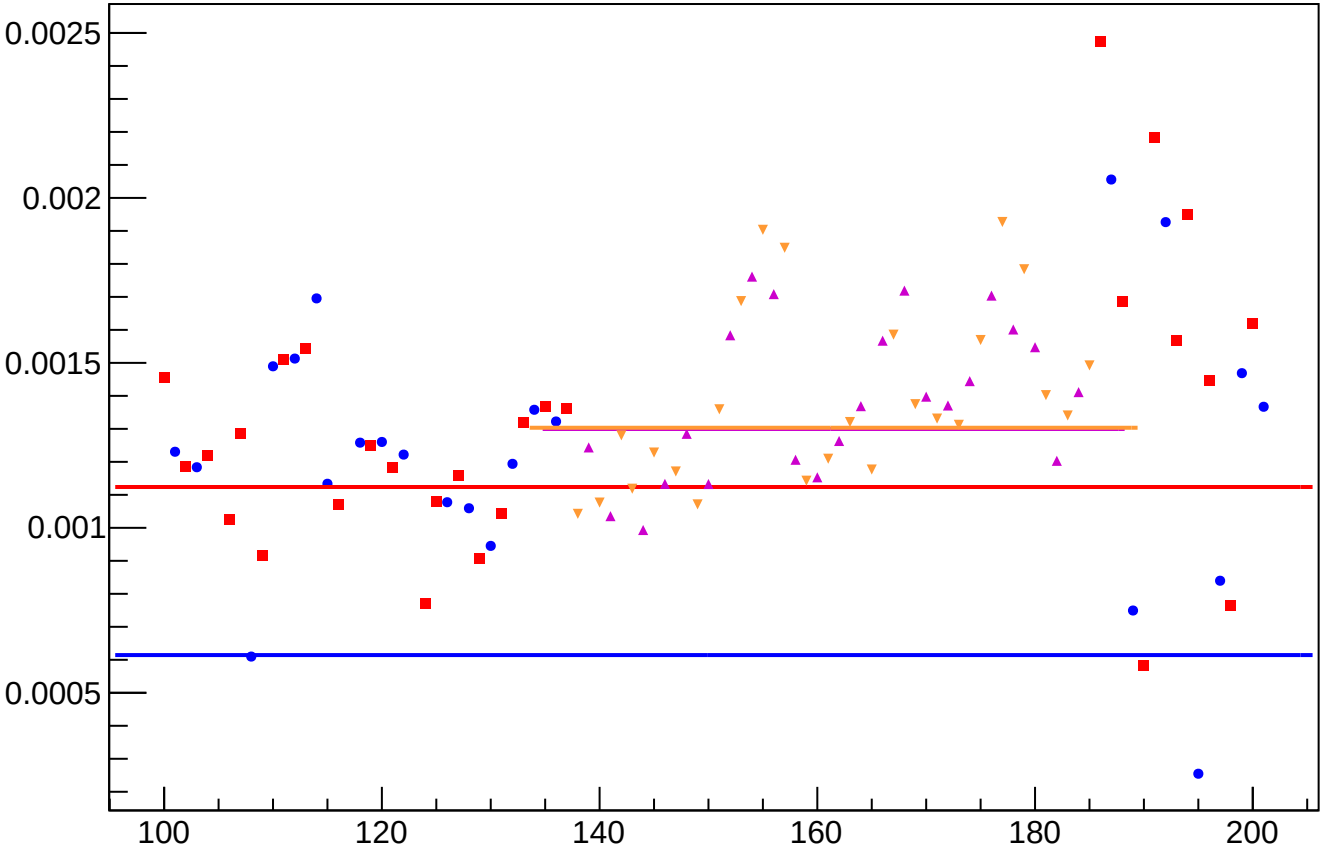
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.2/47

All: 0.000+/-0.000 χ^2/NDF: 113.8/98

- sign 0.000+/-0.000 χ^2/NDF: 35.6/50

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8655193.9/22

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

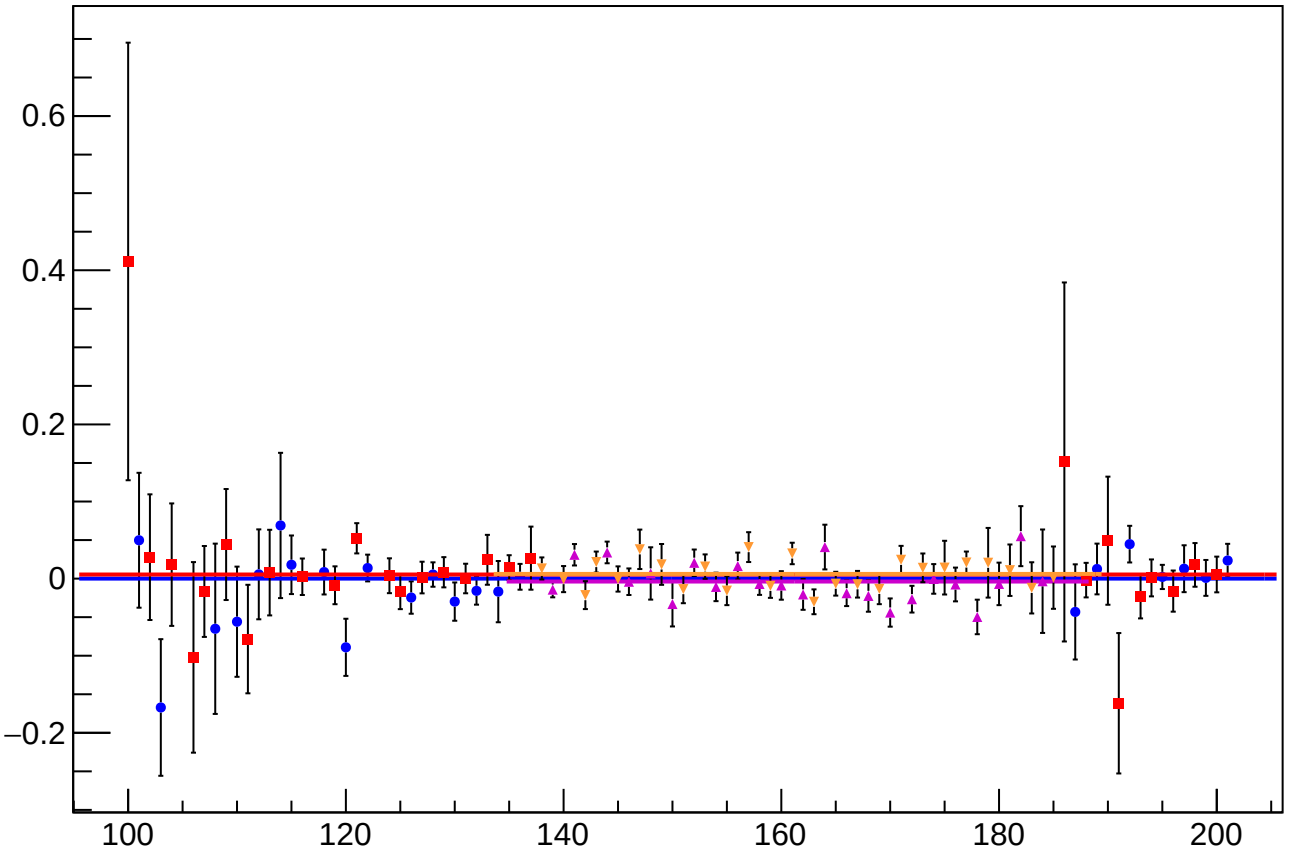
Right Out: 0.001+/-0.000 χ^2/NDF: 2572029.8/27

Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 16569020.4/47

All: 0.001+/-0.000 χ^2/NDF: 23570027.5/98

- sign 0.001+/-0.000 χ^2/NDF: 3908406.0/50



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: 19.0/27

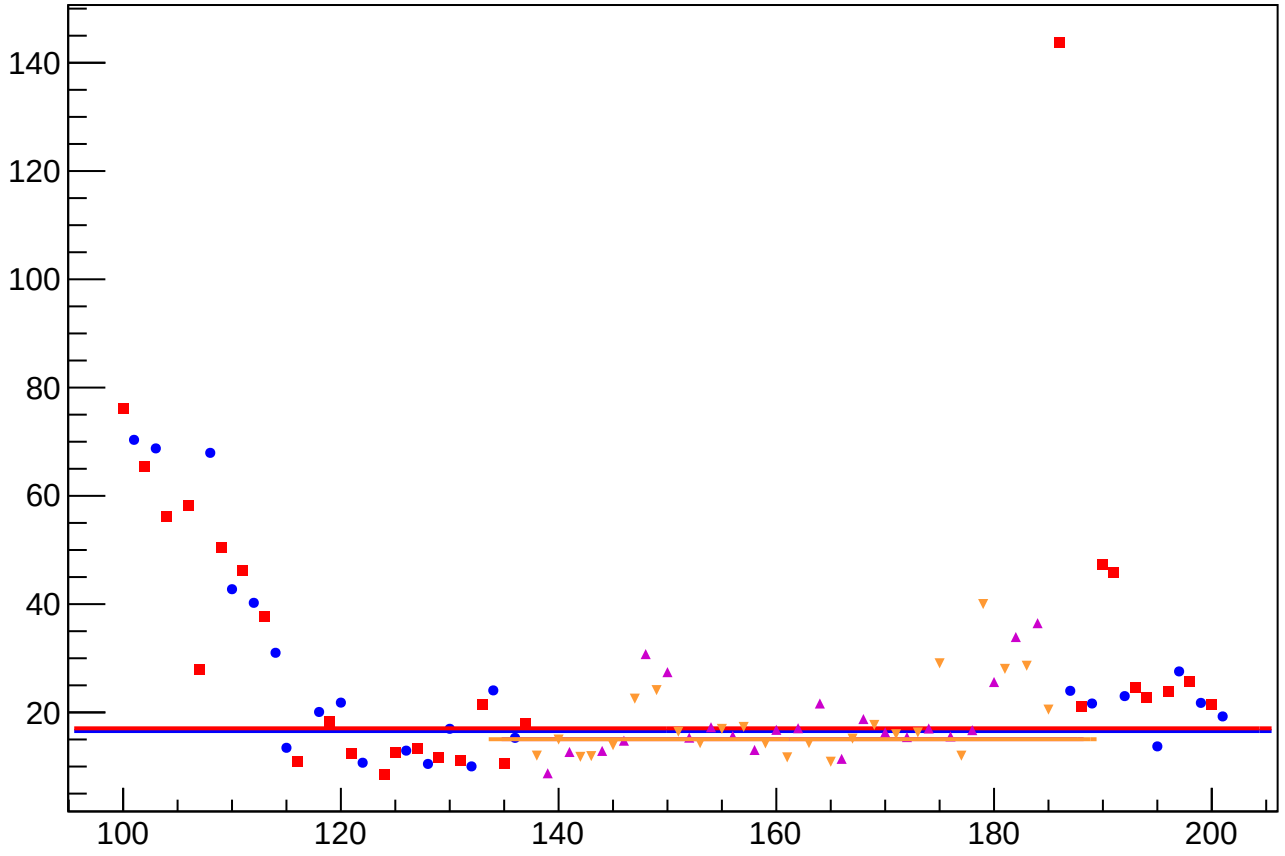
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 49.1/47

All: 0.002+/-0.002 χ^2/NDF: 108.3/98

- sign -0.001+/-0.003 χ^2/NDF: 58.0/50

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

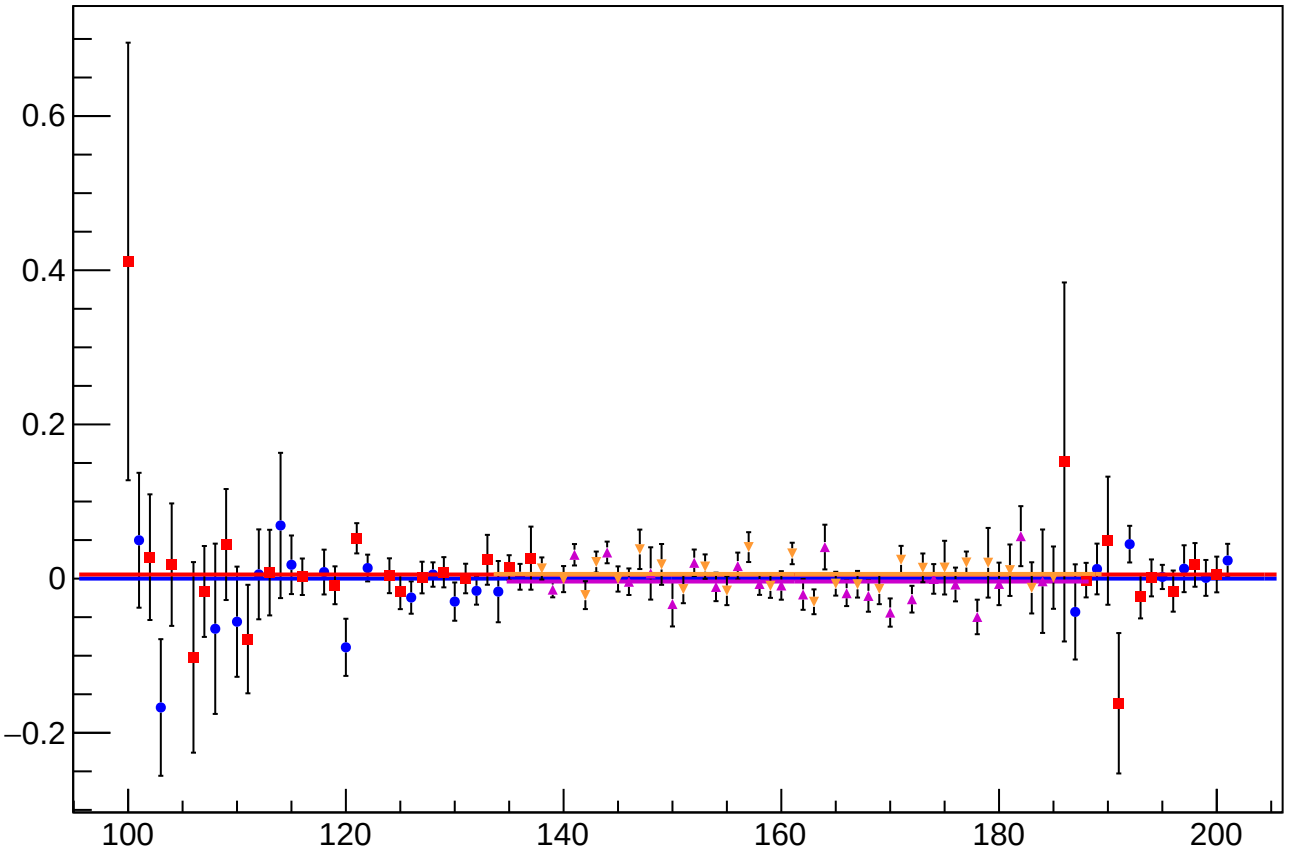
Right Out: 17.057+/-0.004 χ^2/NDF: 5762812.0/27

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.524+/-0.002 χ^2/NDF: 7089504.7/47

All: 15.626+/-0.002 χ^2/NDF: 16104081.4/98

- sign 15.734+/-0.002 χ^2/NDF: 9009935.9/50



Right In: 0.000+/-0.005 χ^2/NDF: 21.6/22

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

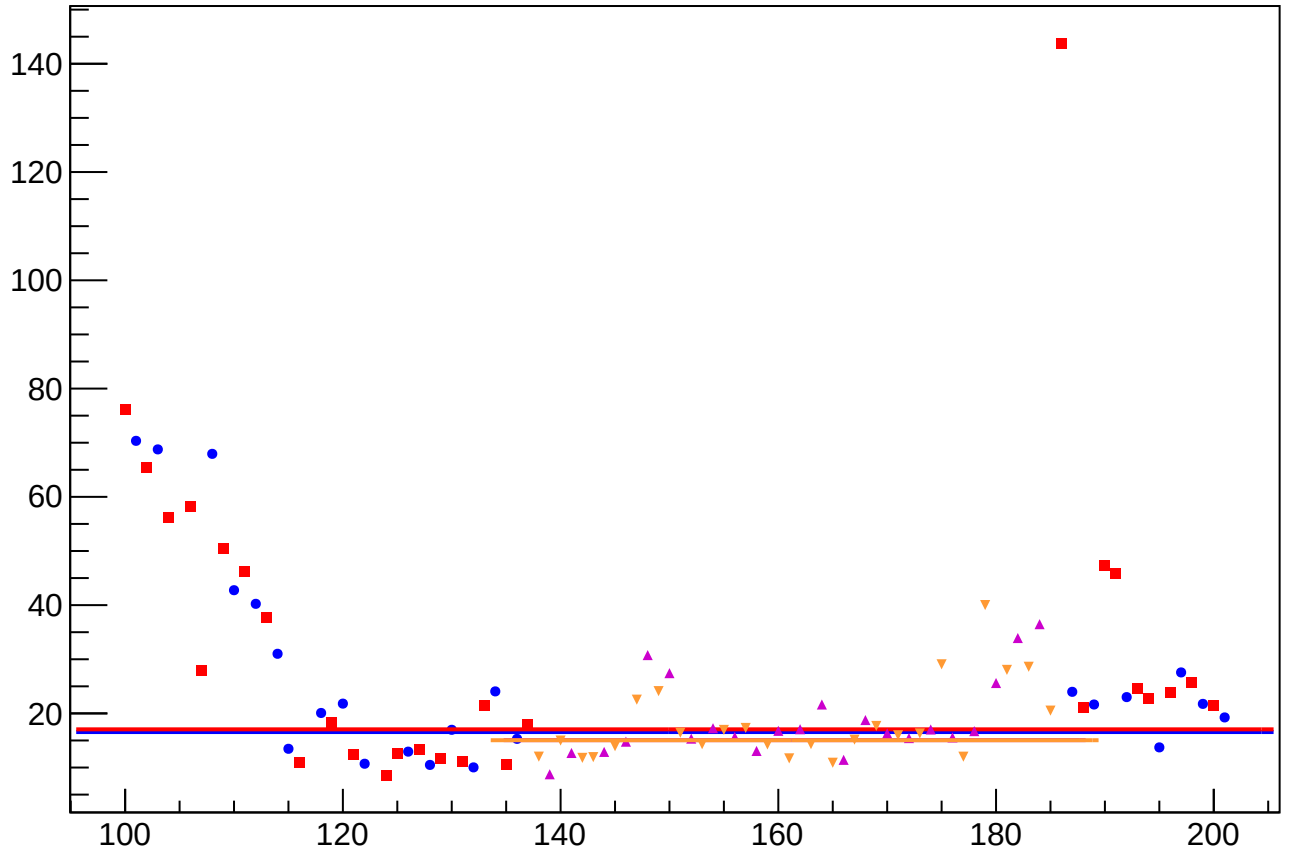
Right Out: 0.005+/-0.005 χ^2/NDF: 19.0/27

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: 108.3/98

- sign -0.001+/-0.003 χ^2/NDF: 58.0/50



Right In: 16.558+/-0.004 χ^2/NDF: 4224502.2/22

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

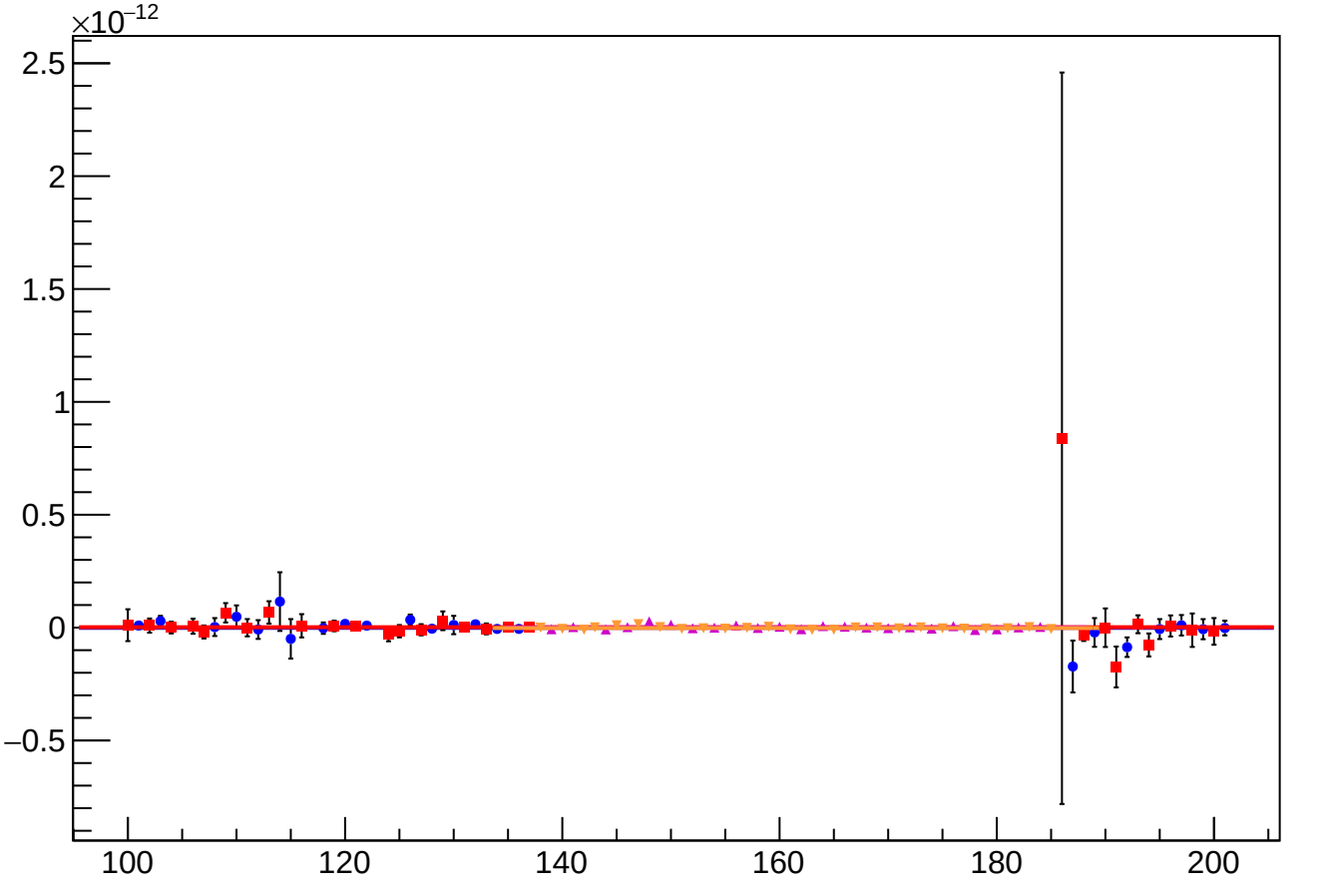
Right Out: 17.057+/-0.004 χ^2/NDF: 5762812.0/27

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.524+/-0.002 χ^2/NDF: 7089504.7/47

All: 15.626+/-0.002 χ^2/NDF: 16104081.4/98

- sign 15.734+/-0.002 χ^2/NDF: 9009935.9/50



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: 15.7/27

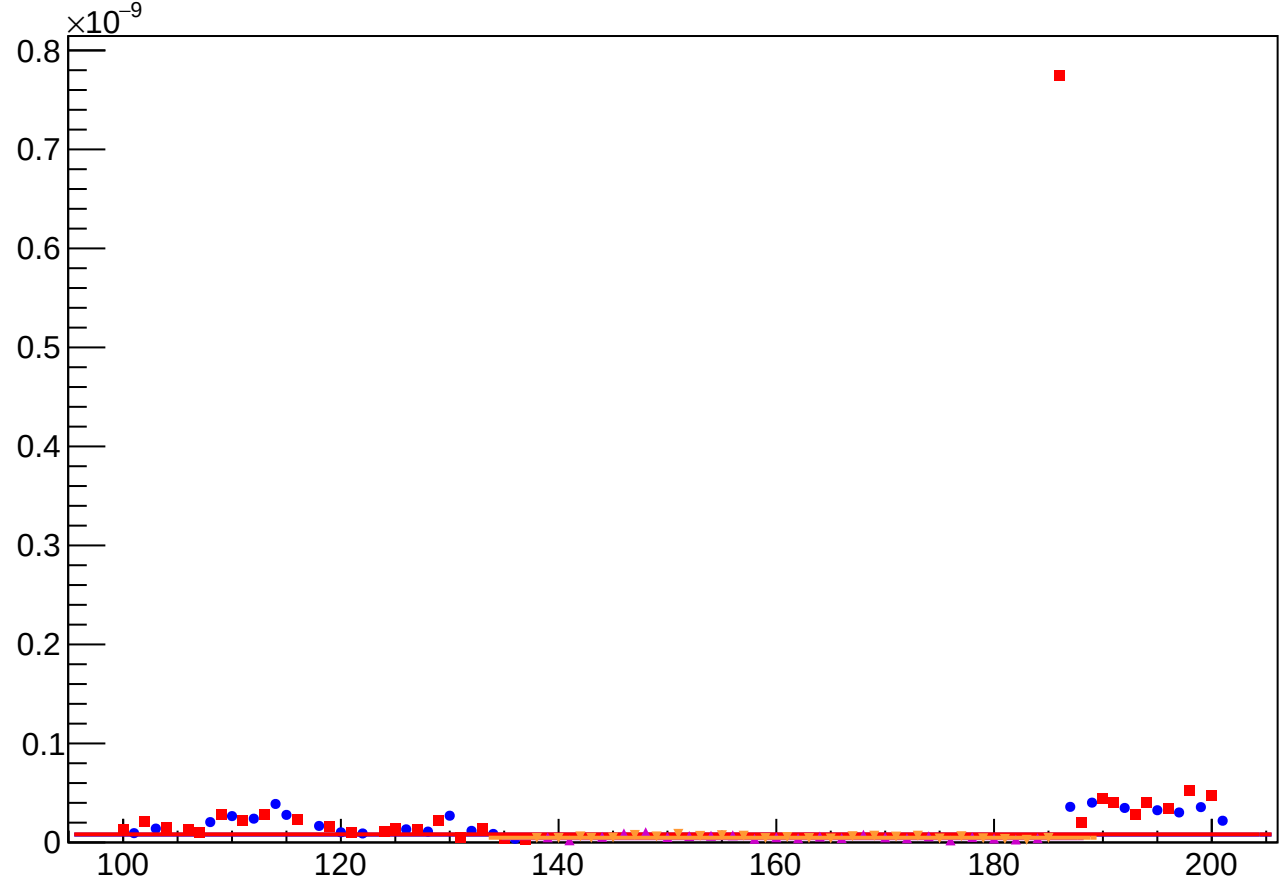
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/47

All: -0.000+/-0.000 χ^2/NDF: 70.0/98

- sign 0.000+/-0.000 χ^2/NDF: 37.1/50

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



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: 9501254.9/27

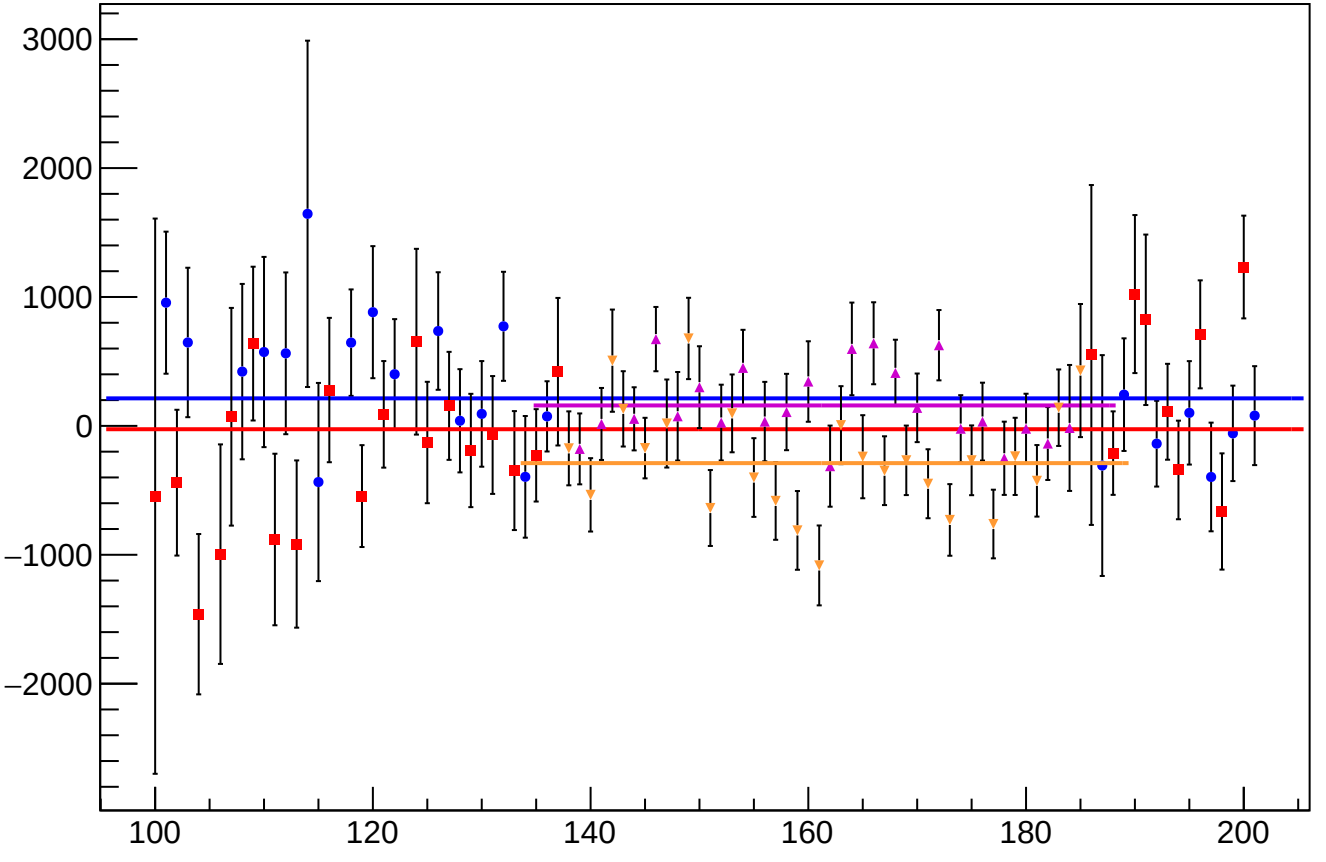
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10701588.6/47

All: 0.000+/-0.000 χ^2/NDF: 25720765.1/98

- sign 0.000+/-0.000 χ^2/NDF: 14895023.4/50

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: -25.884+/-93.144 χ^2/NDF: 37.8/27

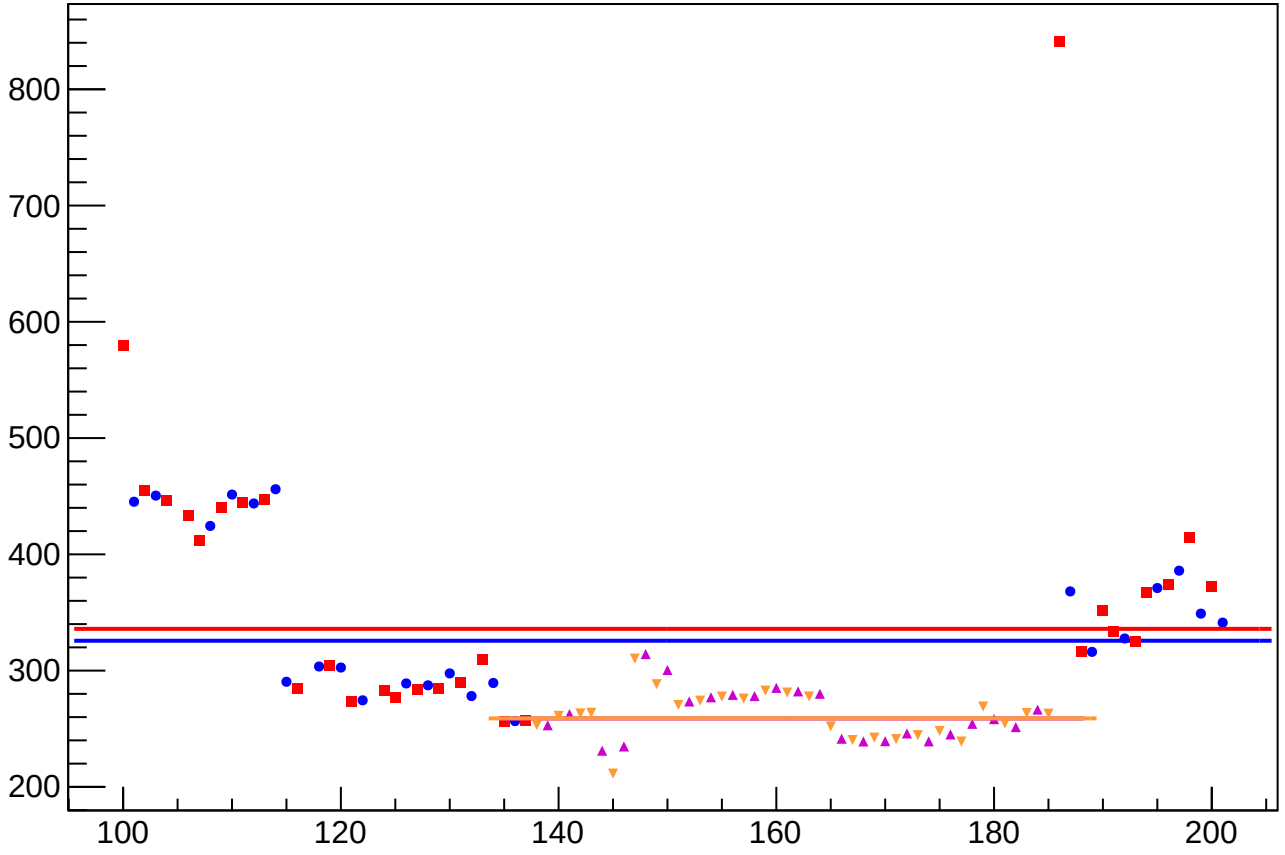
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -147.560+/-50.046 χ^2/NDF: 80.2/47

All: -24.003+/-35.672 χ^2/NDF: 155.7/98

- sign 103.598+/-50.859 χ^2/NDF: 63.0/50

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: 335.923+/-0.066 χ^2/NDF: 1144648.1/27

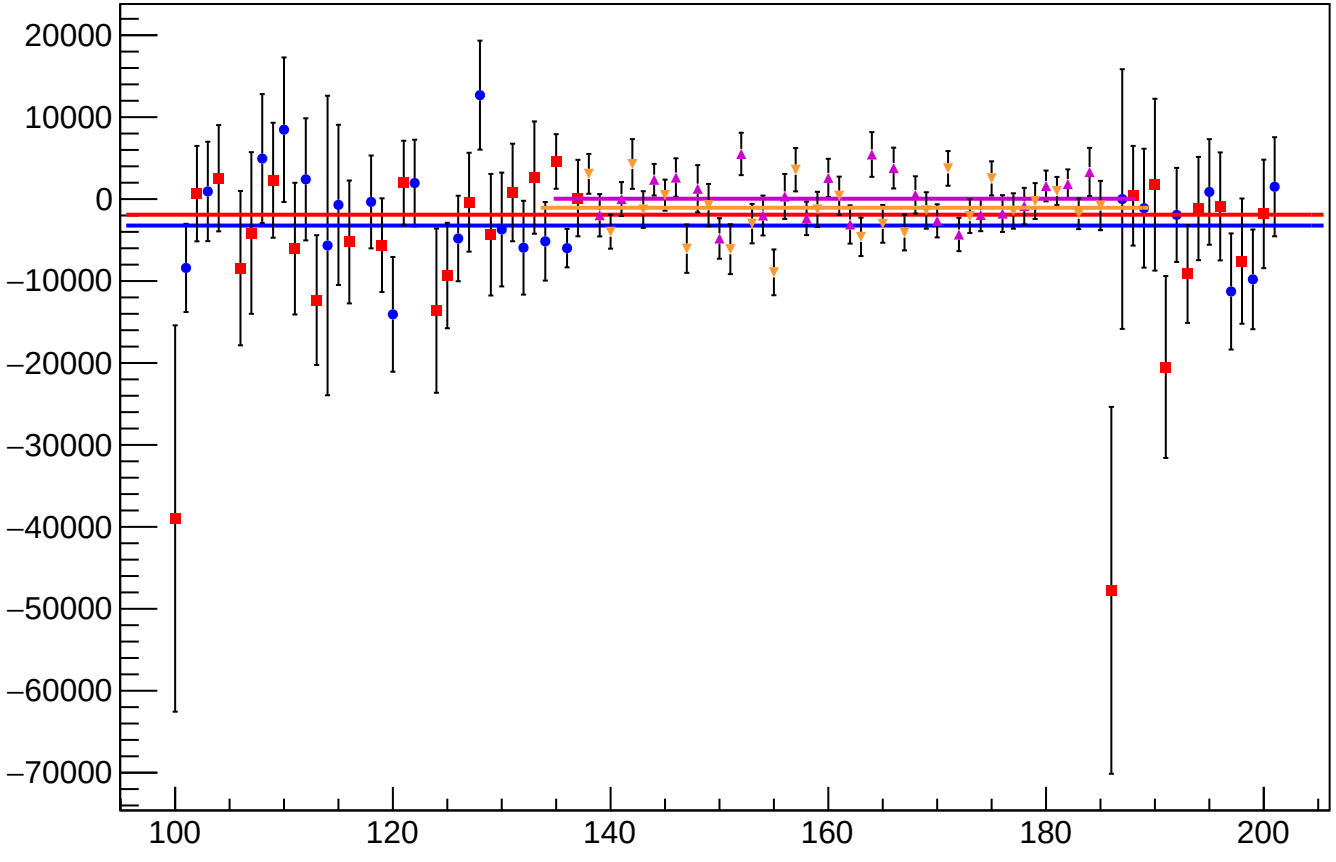
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.702+/-0.035 χ^2/NDF: 1678674.4/47

All: 279.730+/-0.025 χ^2/NDF: 4036232.7/98

- sign 281.824+/-0.036 χ^2/NDF: 2350885.1/50

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: -1903.785+/-1247.585 χ^2/NDF: 24.0/27

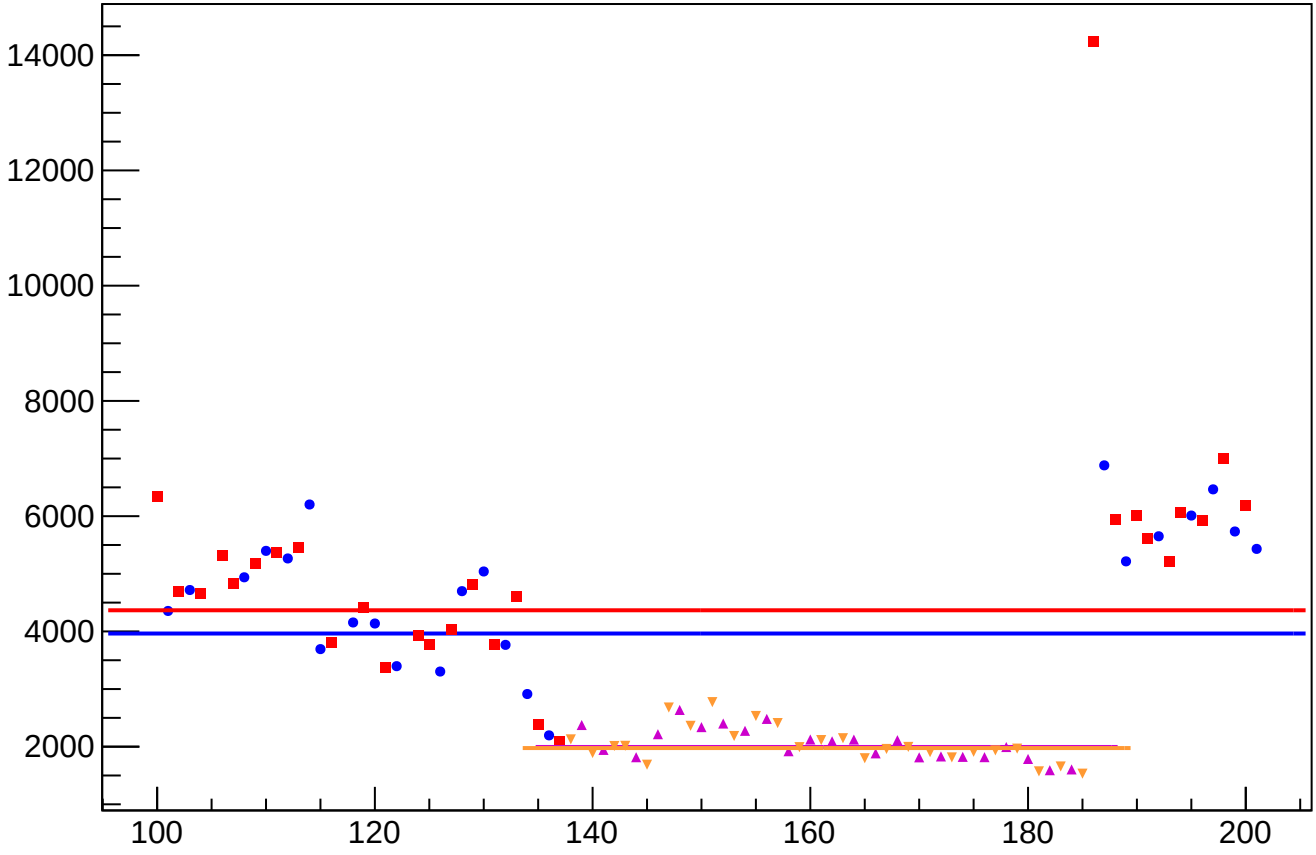
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1332.620+/-425.050 χ^2/NDF: 64.1/47

All: -785.620+/-305.838 χ^2/NDF: 127.9/98

- sign -198.404+/-440.398 χ^2/NDF: 60.4/50

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: 4366.931+/-0.882 χ^2/NDF: 2756396.6/27

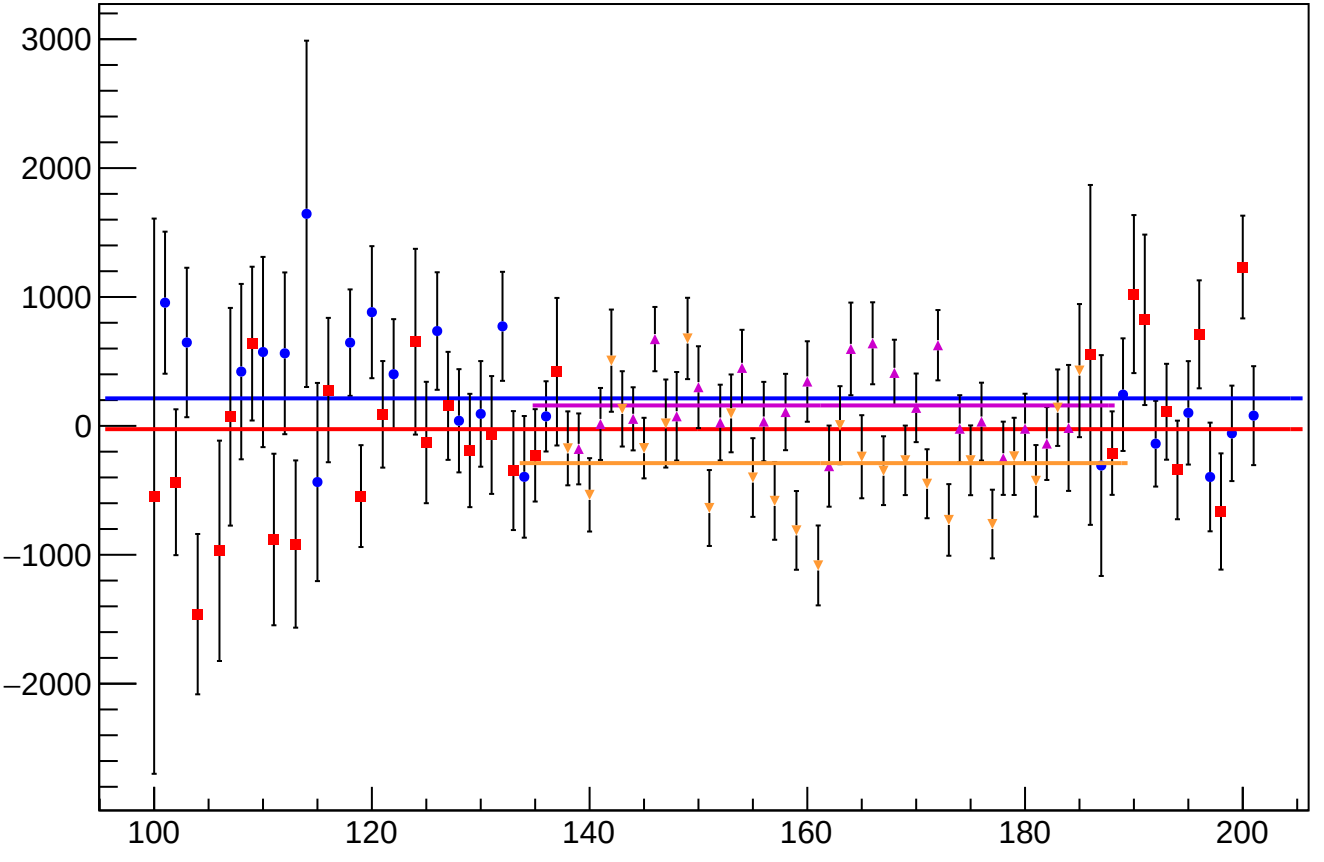
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2226.381+/-0.301 χ^2/NDF: 8202326.6/47

All: 2257.233+/-0.216 χ^2/NDF: 17910273.3/9

- sign 2290.354+/-0.311 χ^2/NDF: 9686097.0/50

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: -25.375+/-93.149 χ^2/NDF: 37.7/27

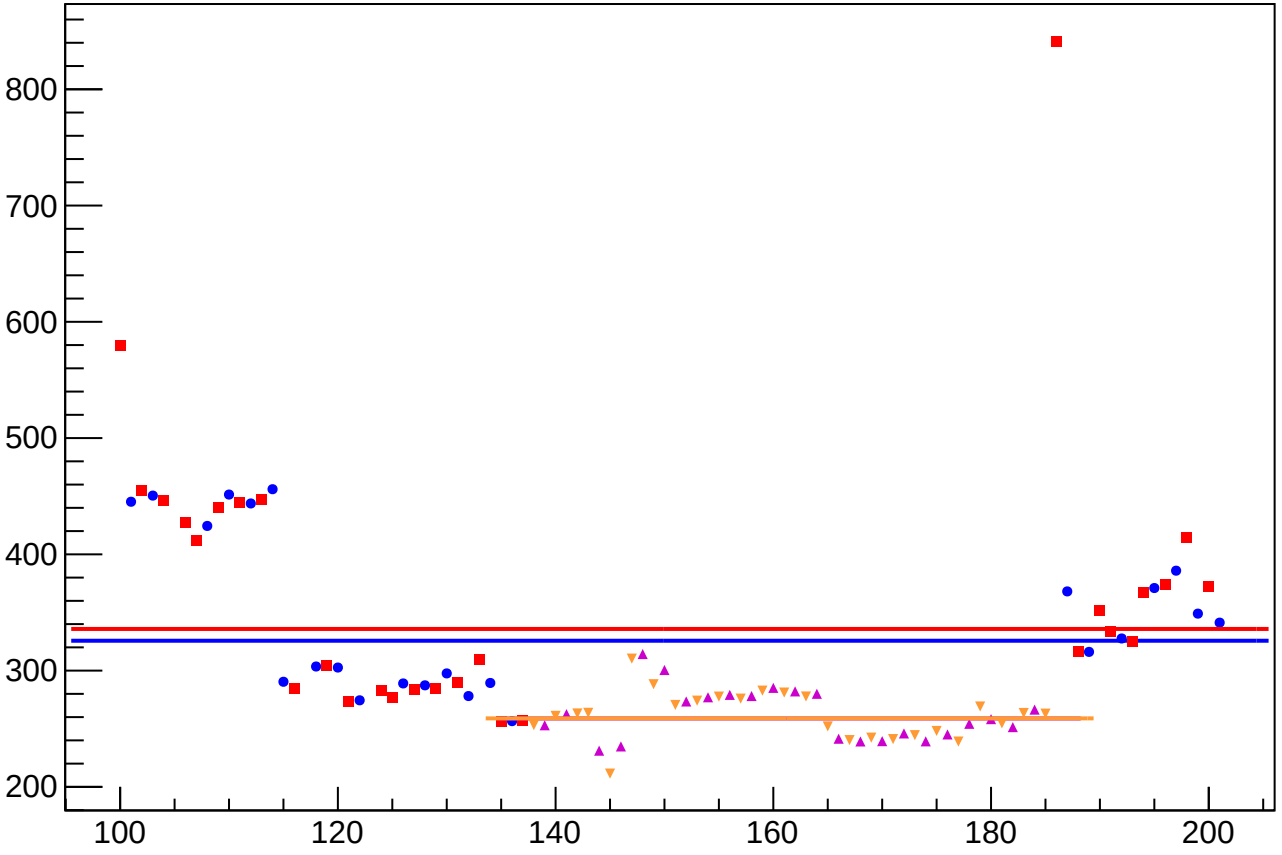
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -147.569+/-50.046 χ^2/NDF: 80.2/47

All: -23.930+/-35.672 χ^2/NDF: 155.6/98

- sign 103.762+/-50.860 χ^2/NDF: 62.9/50

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: 335.836+/-0.066 χ^2/NDF: 1141138.1/27

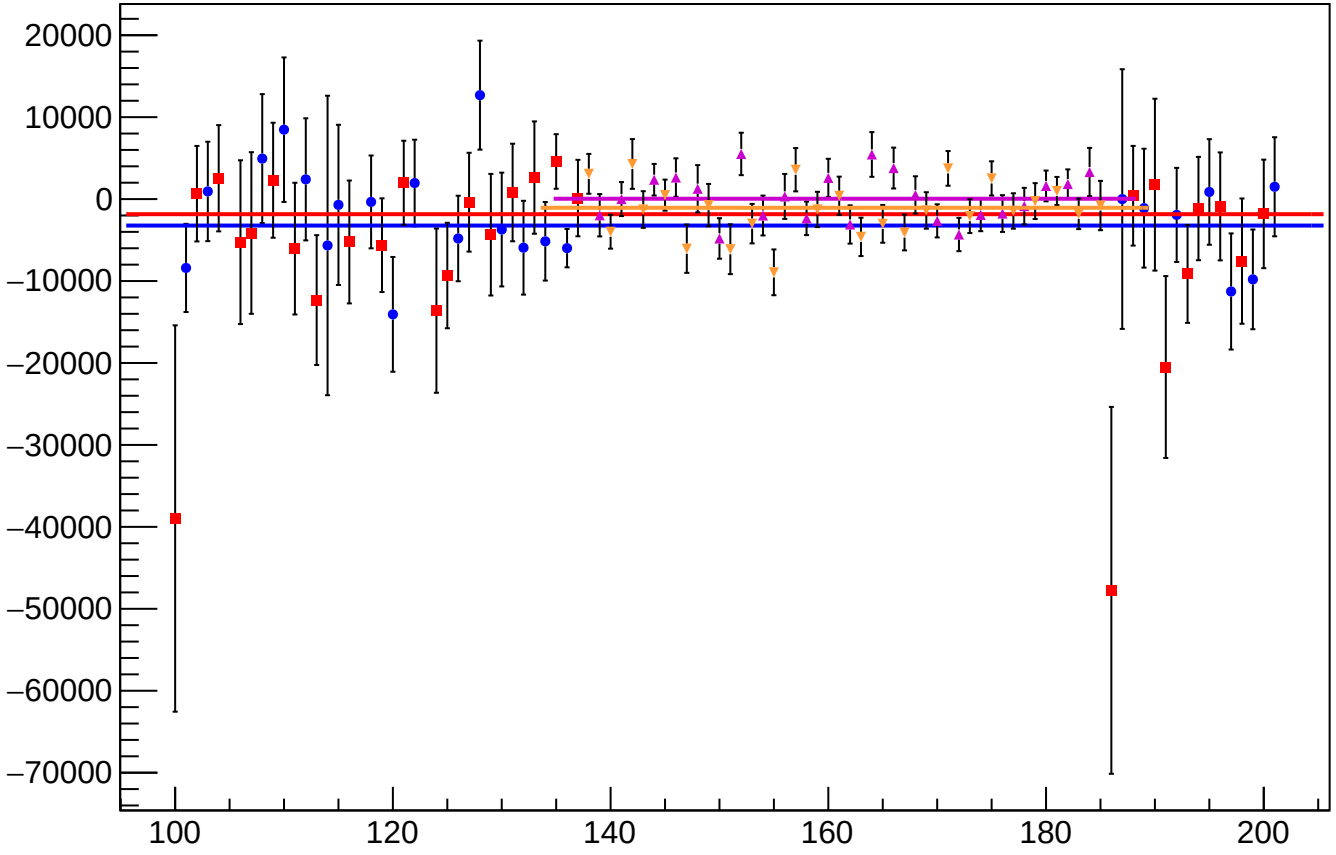
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.702+/-0.035 χ^2/NDF: 1678676.0/47

All: 279.716+/-0.025 χ^2/NDF: 4030386.7/98

- sign 281.796+/-0.036 χ^2/NDF: 2345127.3/50

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: -1842.006+/-1248.837 χ^2/NDF: 23.7/27

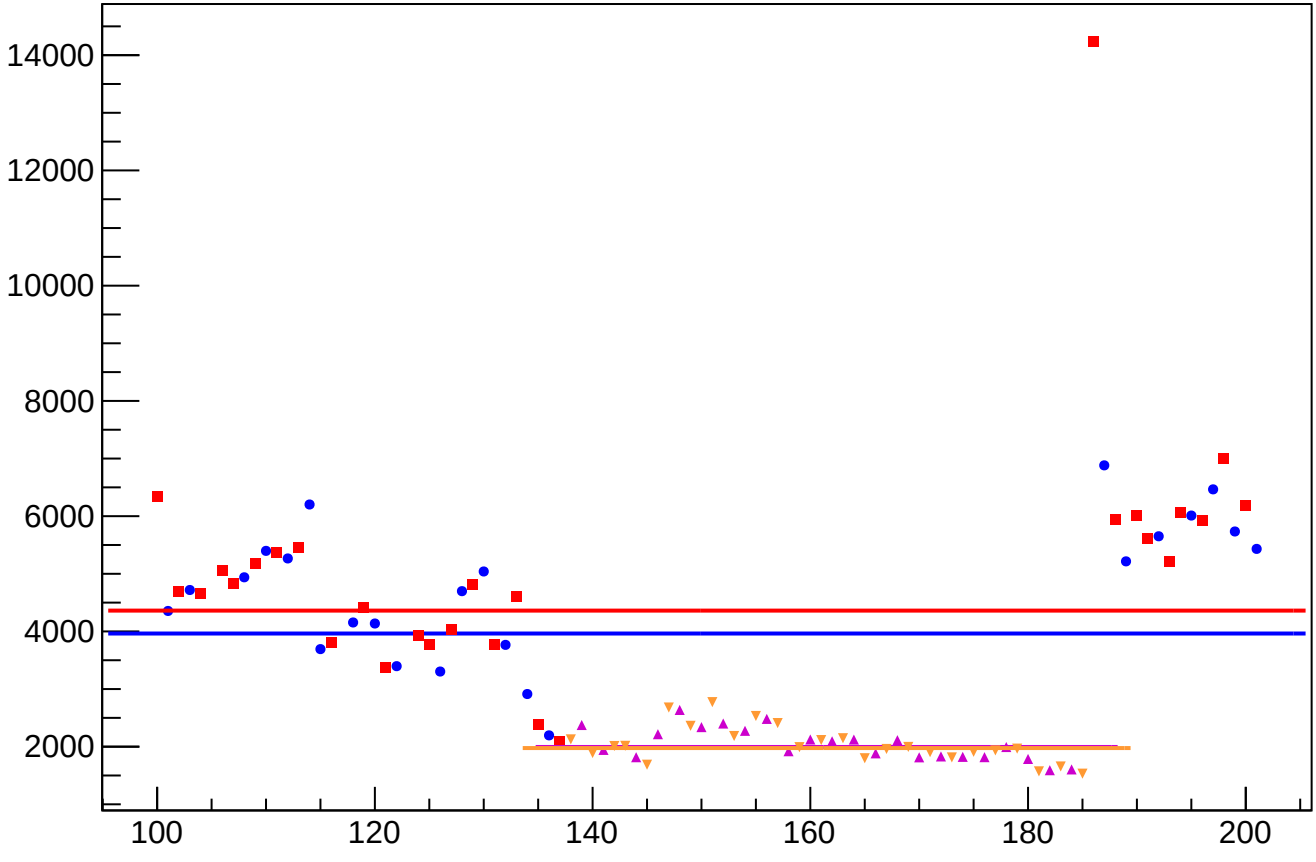
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1332.616+/-425.050 χ^2/NDF: 64.1/47

All: -781.779+/-305.856 χ^2/NDF: 127.4/98

- sign -190.297+/-440.453 χ^2/NDF: 59.8/50

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: 4361.344+/-0.883 χ^2/NDF: 2746125.6/27

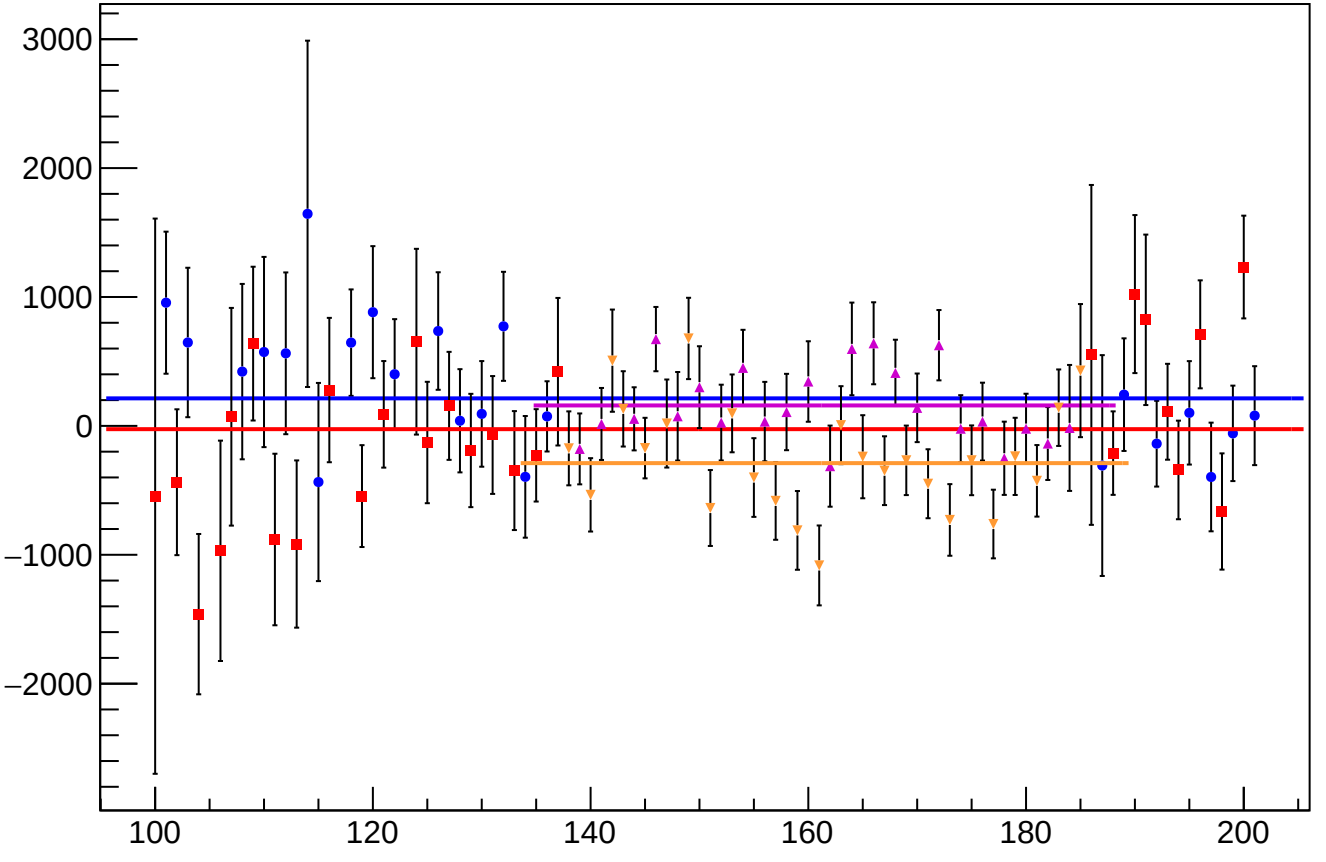
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2226.381+/-0.301 χ^2/NDF: 8202347.6/47

All: 2256.644+/-0.216 χ^2/NDF: 17858366.3/9

- sign 2289.141+/-0.311 χ^2/NDF: 9634992.5/50

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: -25.375+/-93.149 χ^2/NDF: 37.7/27

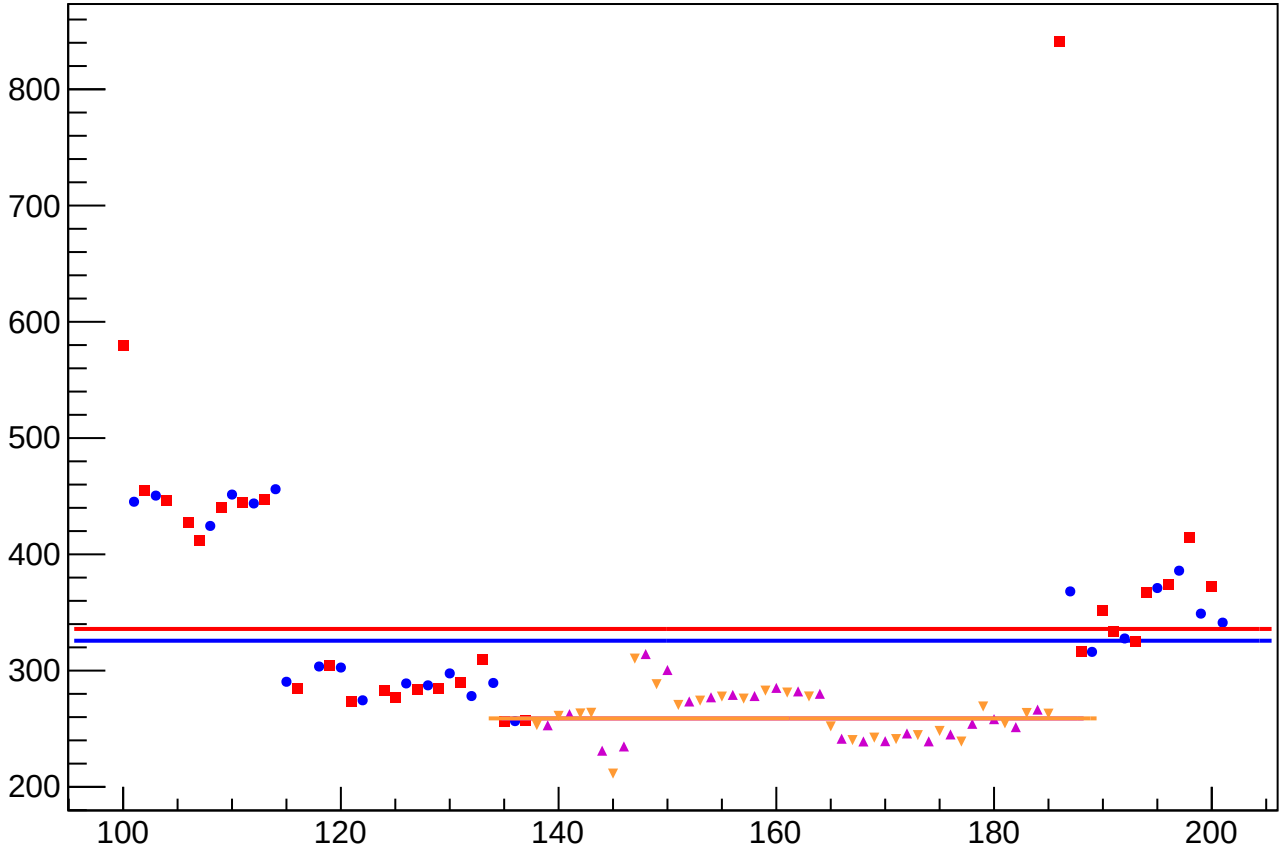
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -147.569+/-50.046 χ^2/NDF: 80.2/47

All: -23.930+/-35.672 χ^2/NDF: 155.6/98

- sign 103.762+/-50.860 χ^2/NDF: 62.9/50

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: 335.836+/-0.066 χ^2/NDF: 1141138.1/27

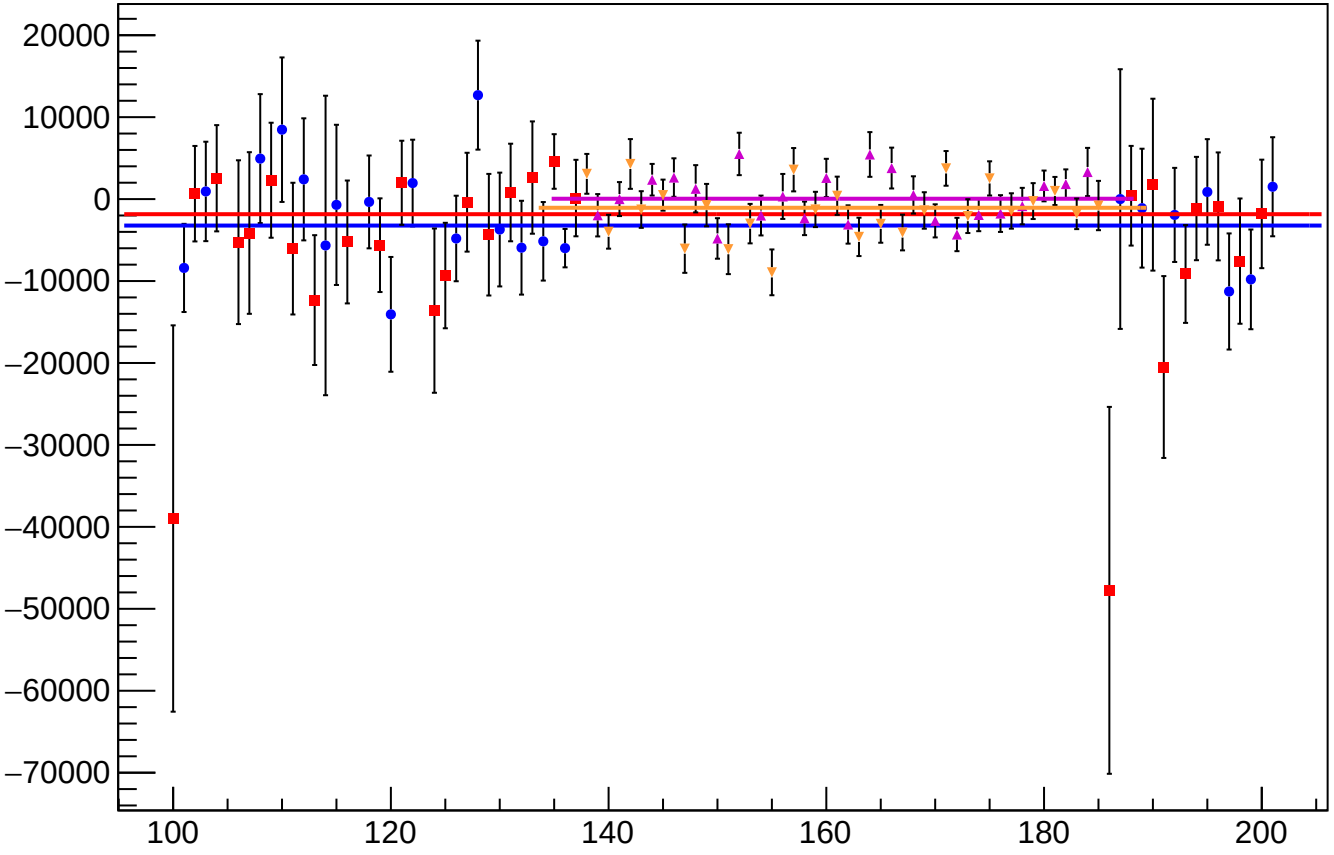
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.702+/-0.035 χ^2/NDF: 1678676.0/47

All: 279.716+/-0.025 χ^2/NDF: 4030386.7/98

- sign 281.796+/-0.036 χ^2/NDF: 2345127.3/50

asym_sam2_eigen_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: -1842.006+/-1248.837 χ^2/NDF: 23.7/27

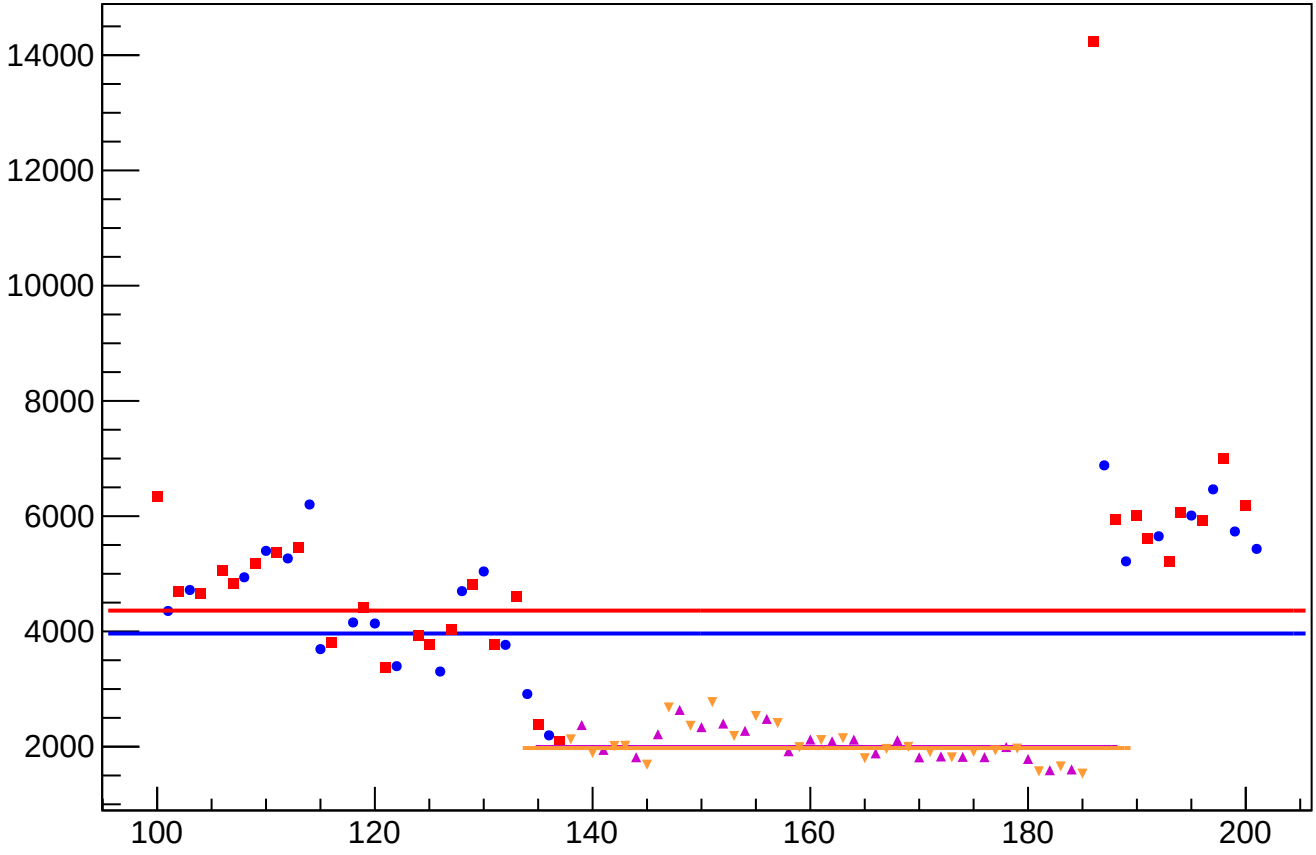
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1332.616+/-425.050 χ^2/NDF: 64.1/47

All: -781.779+/-305.856 χ^2/NDF: 127.4/98

- sign -190.297+/-440.453 χ^2/NDF: 59.8/50

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: 4361.344+/-0.883 χ^2/NDF: 2746125.6/27

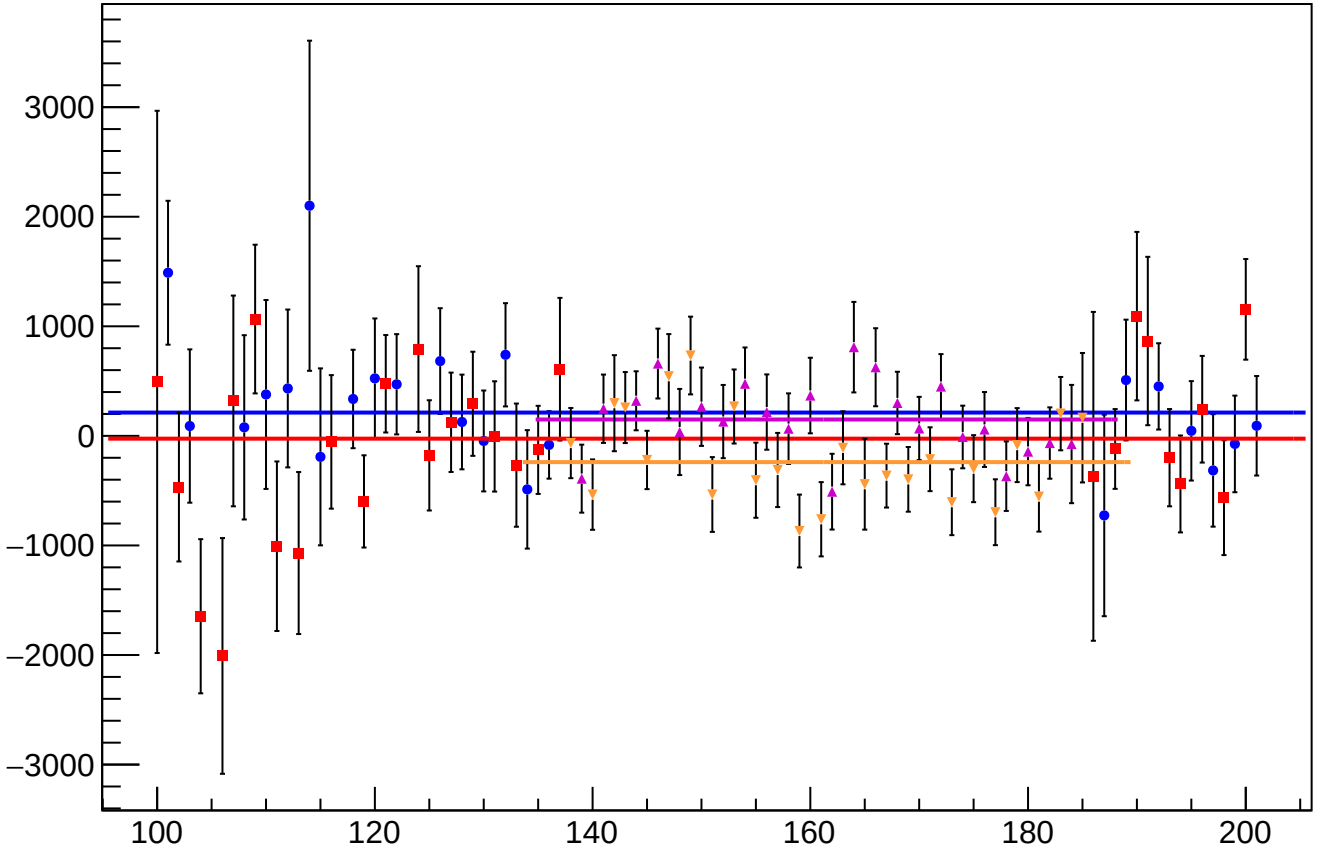
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2226.381+/-0.301 χ^2/NDF: 8202347.6/47

All: 2256.644+/-0.216 χ^2/NDF: 17858366.3/9

- sign 2289.141+/-0.311 χ^2/NDF: 9634992.5/50

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: -25.401+/-105.304 χ^2/NDF: 34.2/27

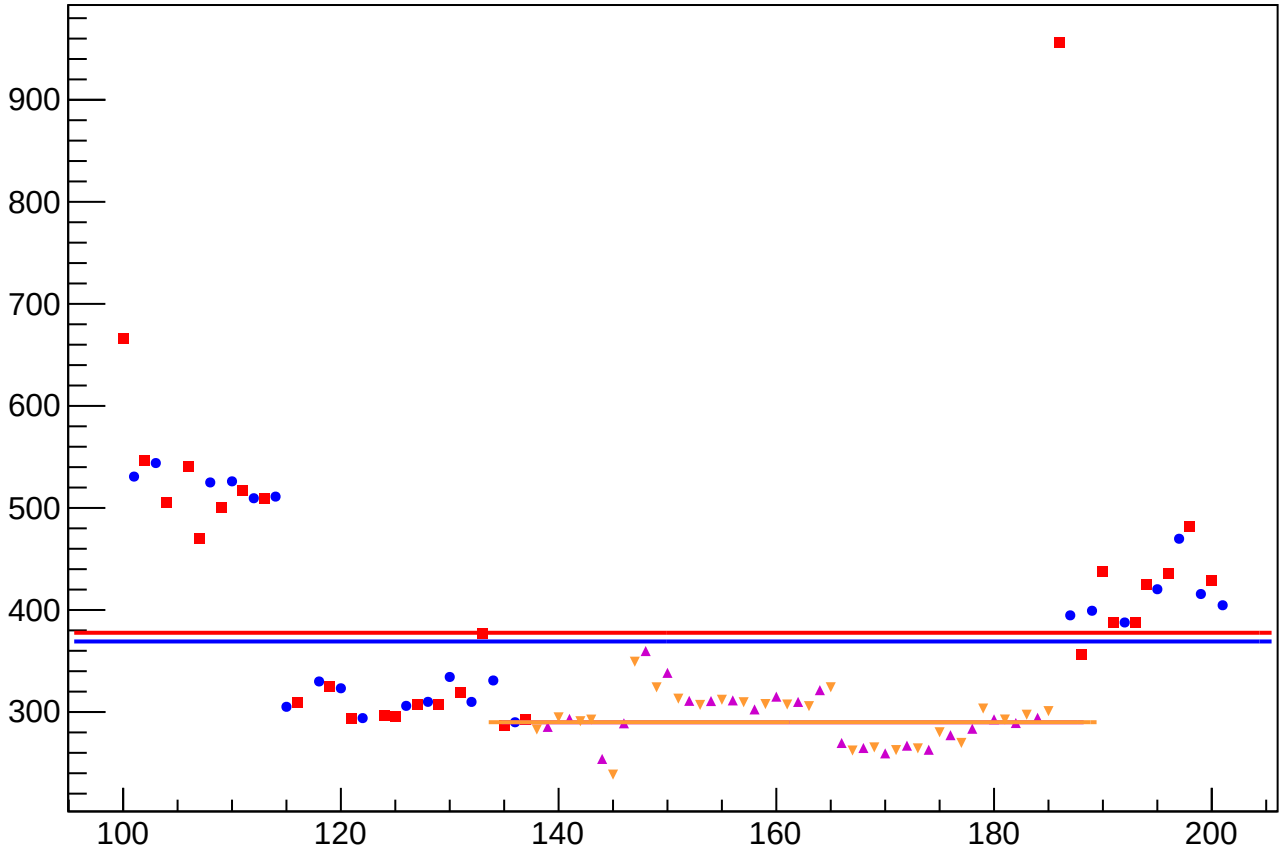
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -115.326+/-56.352 χ^2/NDF: 61.9/47

All: -10.355+/-40.150 χ^2/NDF: 126.8/98

- sign 97.871+/-57.219 χ^2/NDF: 57.9/50

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: 377.677+/-0.074 χ^2/NDF: 1406750.7/27

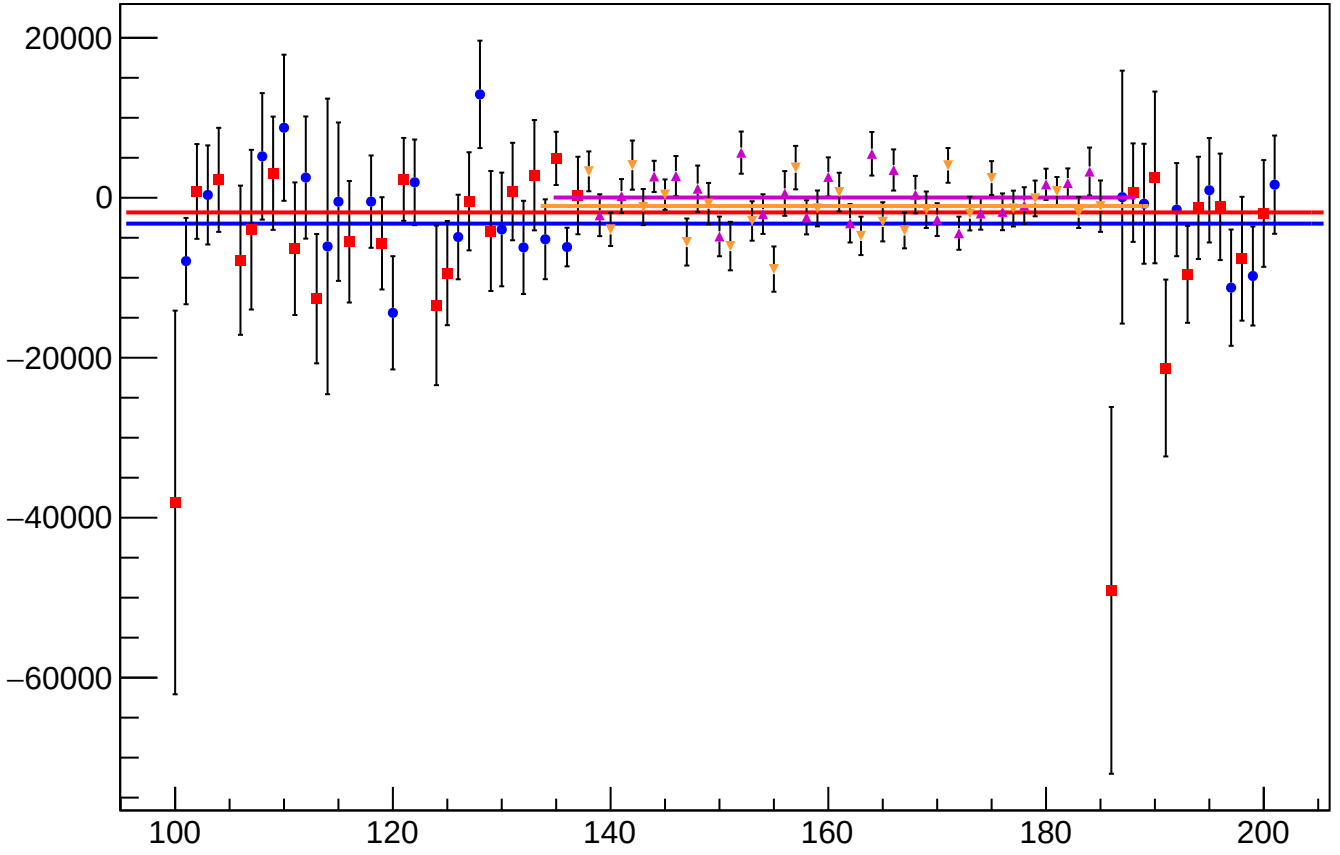
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 311.754+/-0.040 χ^2/NDF: 2042271.1/47

All: 313.769+/-0.028 χ^2/NDF: 4702311.4/98

- sign 315.846+/-0.040 χ^2/NDF: 2654848.5/50

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: -1831.196+/-1262.692 χ^2/NDF: 24.9/27

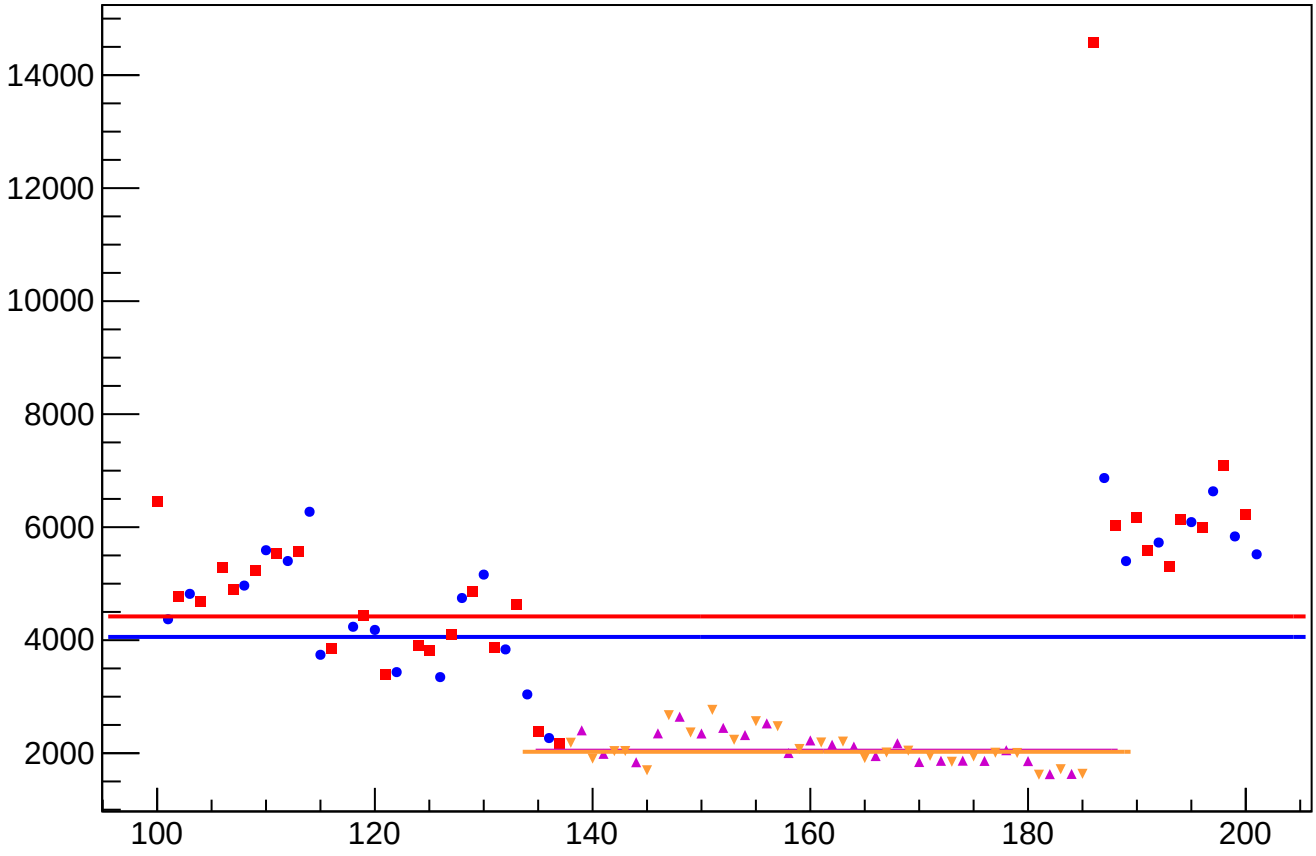
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1314.160+/-434.922 χ^2/NDF: 62.8/47

All: -779.907+/-312.911 χ^2/NDF: 126.8/98

- sign -206.606+/-450.536 χ^2/NDF: 60.9/50

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: 4420.384+/-0.893 χ^2/NDF: 2759258.2/27

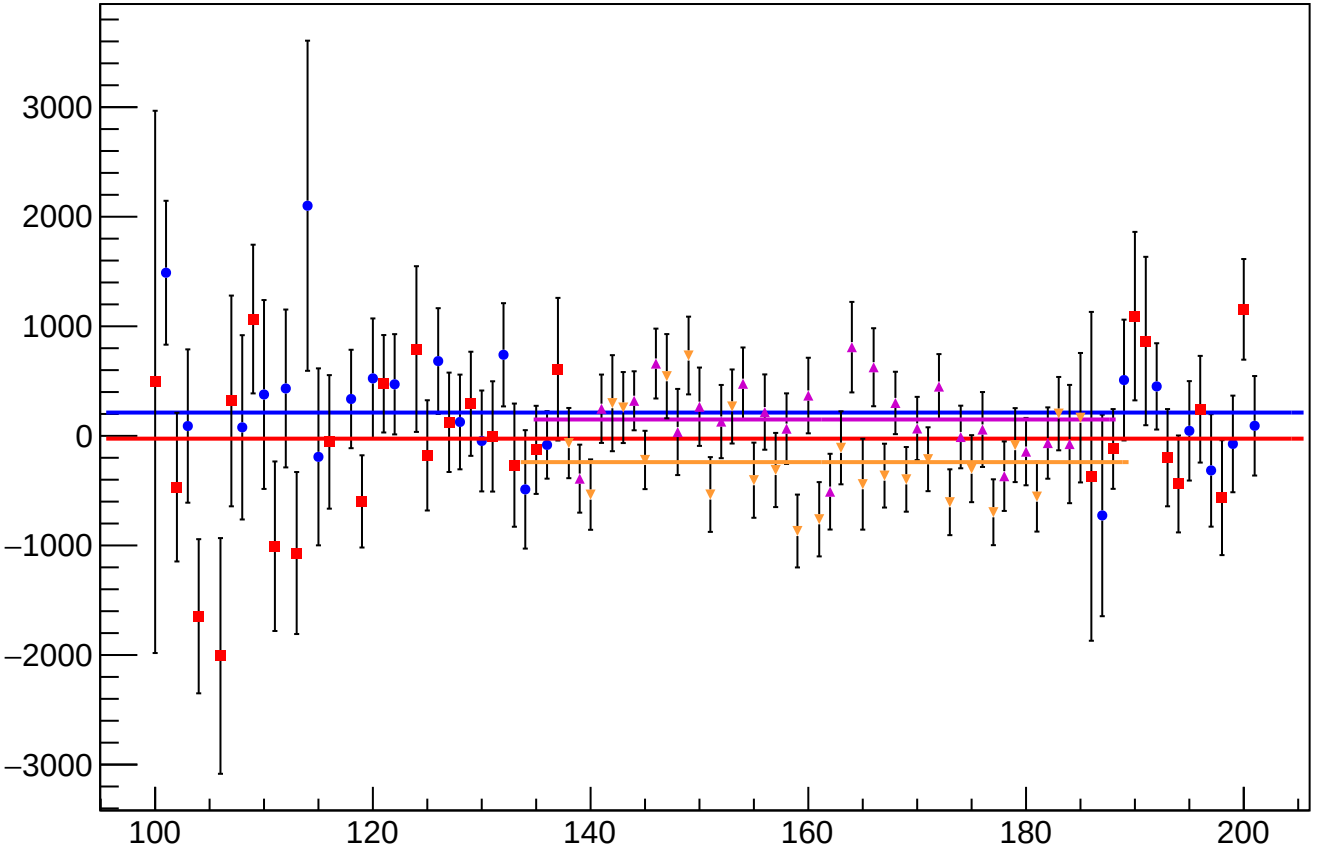
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2281.988+/-0.308 χ^2/NDF: 8068744.1/47

All: 2313.345+/-0.221 χ^2/NDF: 17613740.9/9

- sign 2346.994+/-0.319 χ^2/NDF: 9523444.3/50

eigen_dit_asym_sam2_mean vs Slug



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: -25.402+/-105.304 χ^2/NDF: 34.2/27

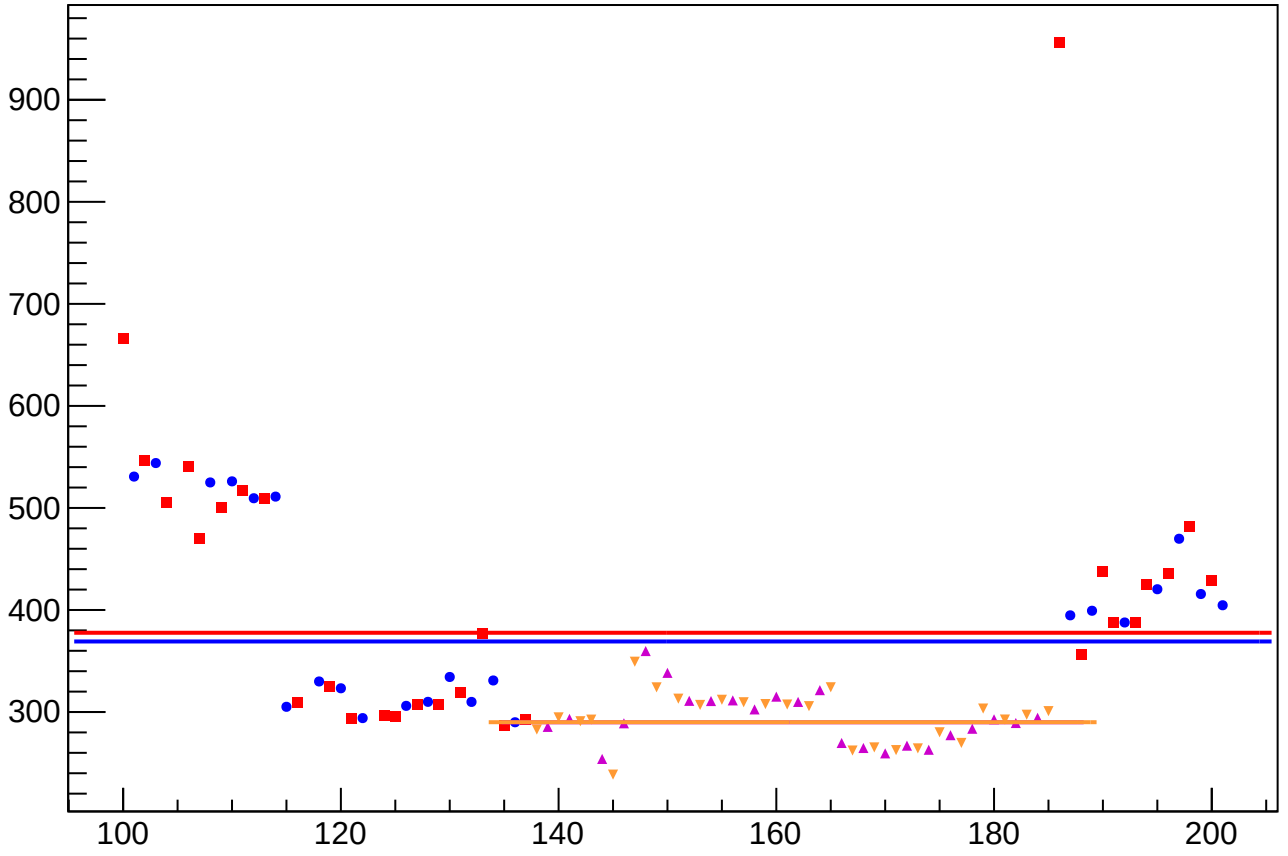
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -115.327+/-56.352 χ^2/NDF: 61.9/47

All: -10.355+/-40.150 χ^2/NDF: 126.8/98

- sign 97.871+/-57.219 χ^2/NDF: 57.9/50

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: 377.676+/-0.074 χ^2/NDF: 1406744.2/27

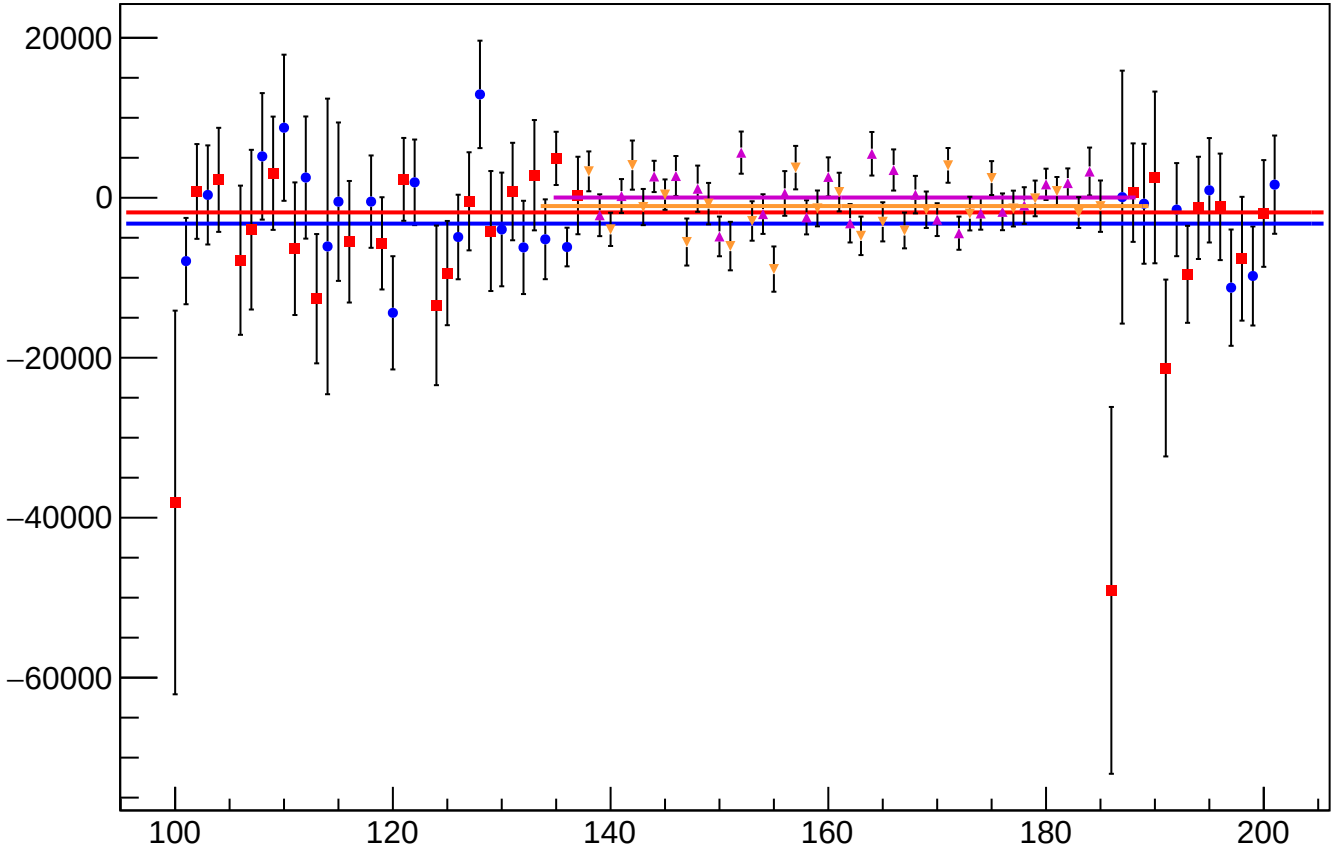
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 311.754+/-0.040 χ^2/NDF: 2042252.2/47

All: 313.768+/-0.028 χ^2/NDF: 4702273.0/98

- sign 315.845+/-0.040 χ^2/NDF: 2654828.9/50

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: -1831.197+/-1262.691 χ^2/NDF: 24.9/27

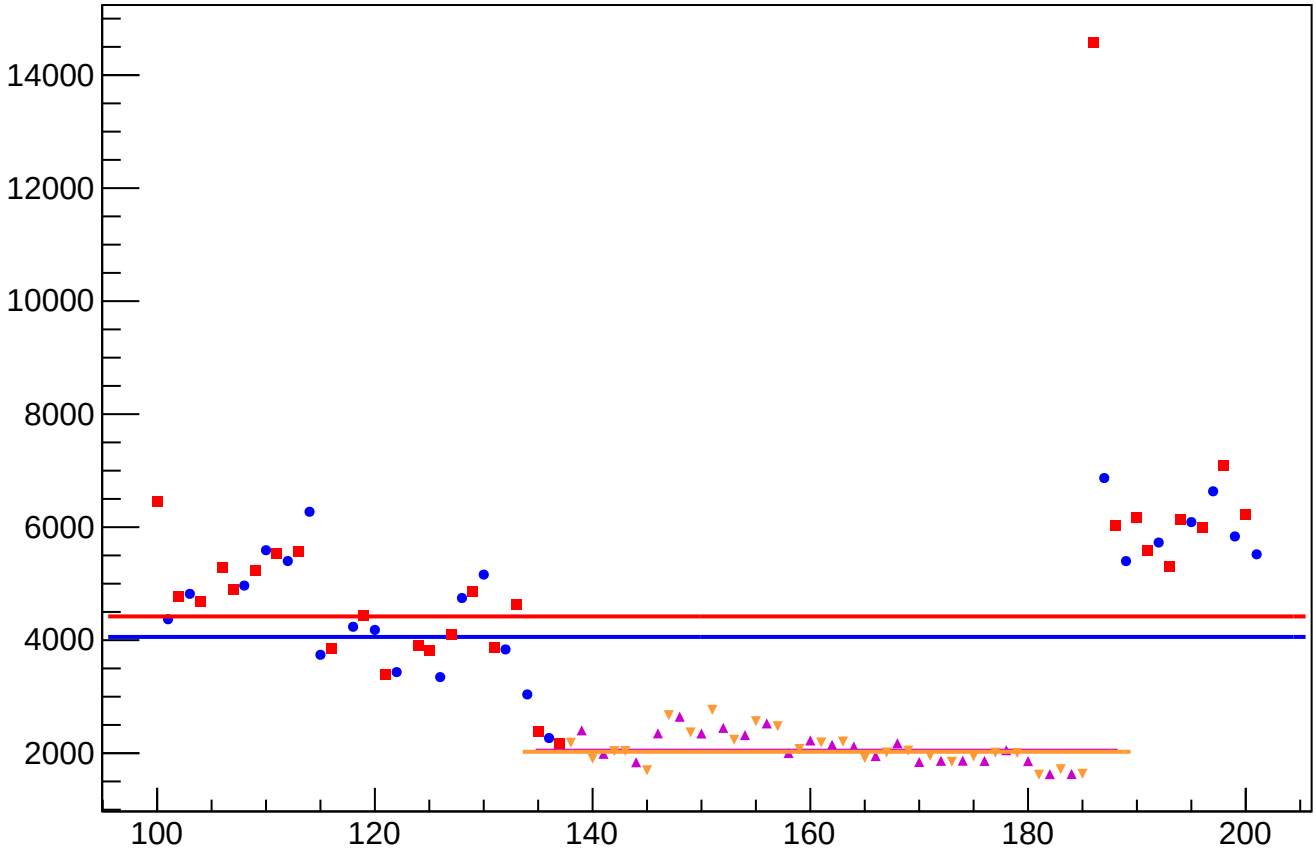
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1314.159+/-434.922 χ^2/NDF: 62.8/47

All: -779.908+/-312.911 χ^2/NDF: 126.8/98

- sign -206.608+/-450.536 χ^2/NDF: 60.9/50

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: 4420.380+/-0.893 χ^2/NDF: 2759254.4/27

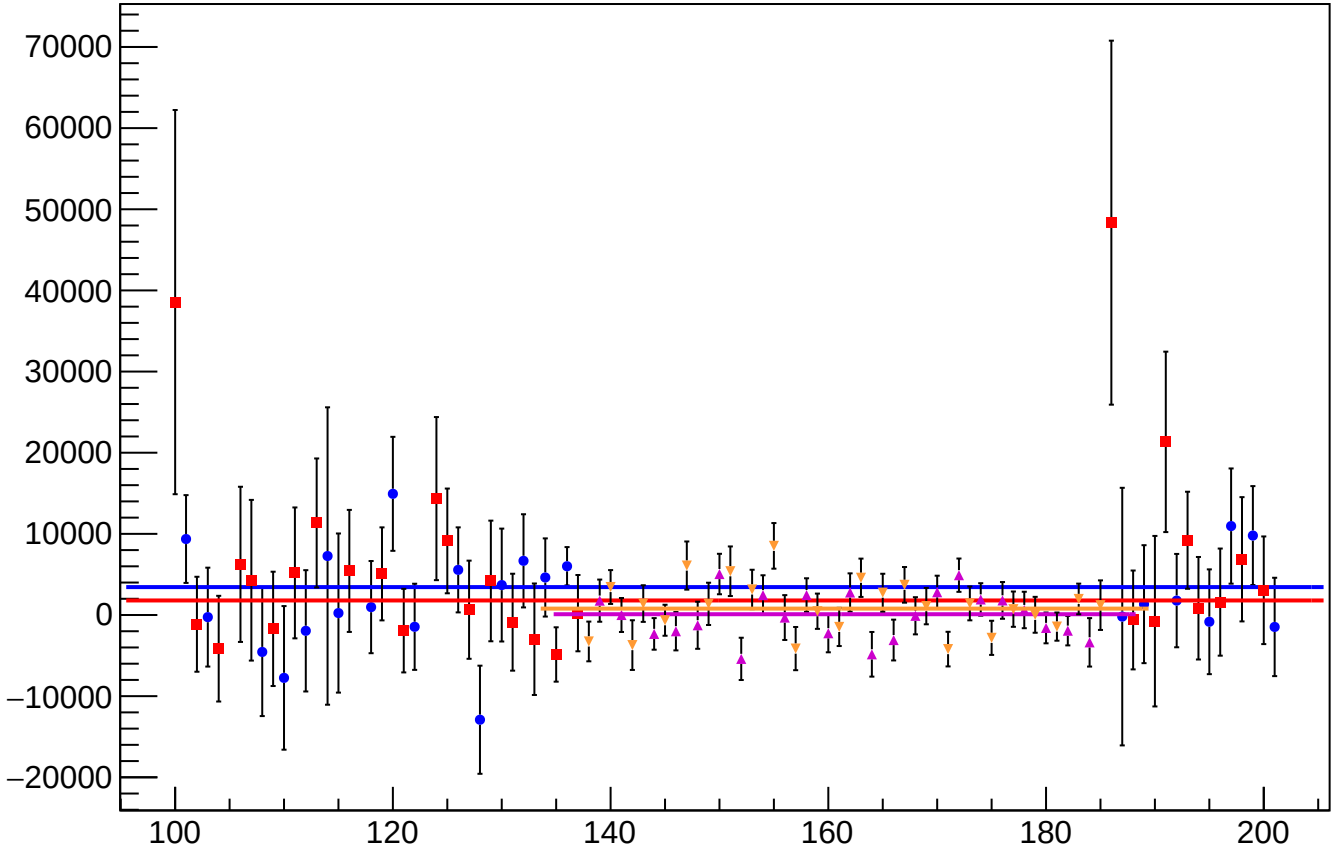
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2281.989+/-0.308 χ^2/NDF: 8068728.0/47

All: 2313.346+/-0.221 χ^2/NDF: 17613713.6/9

- sign 2346.994+/-0.319 χ^2/NDF: 9523433.5/50

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: 1792.414+/-1252.246 χ^2/NDF: 24.1/27

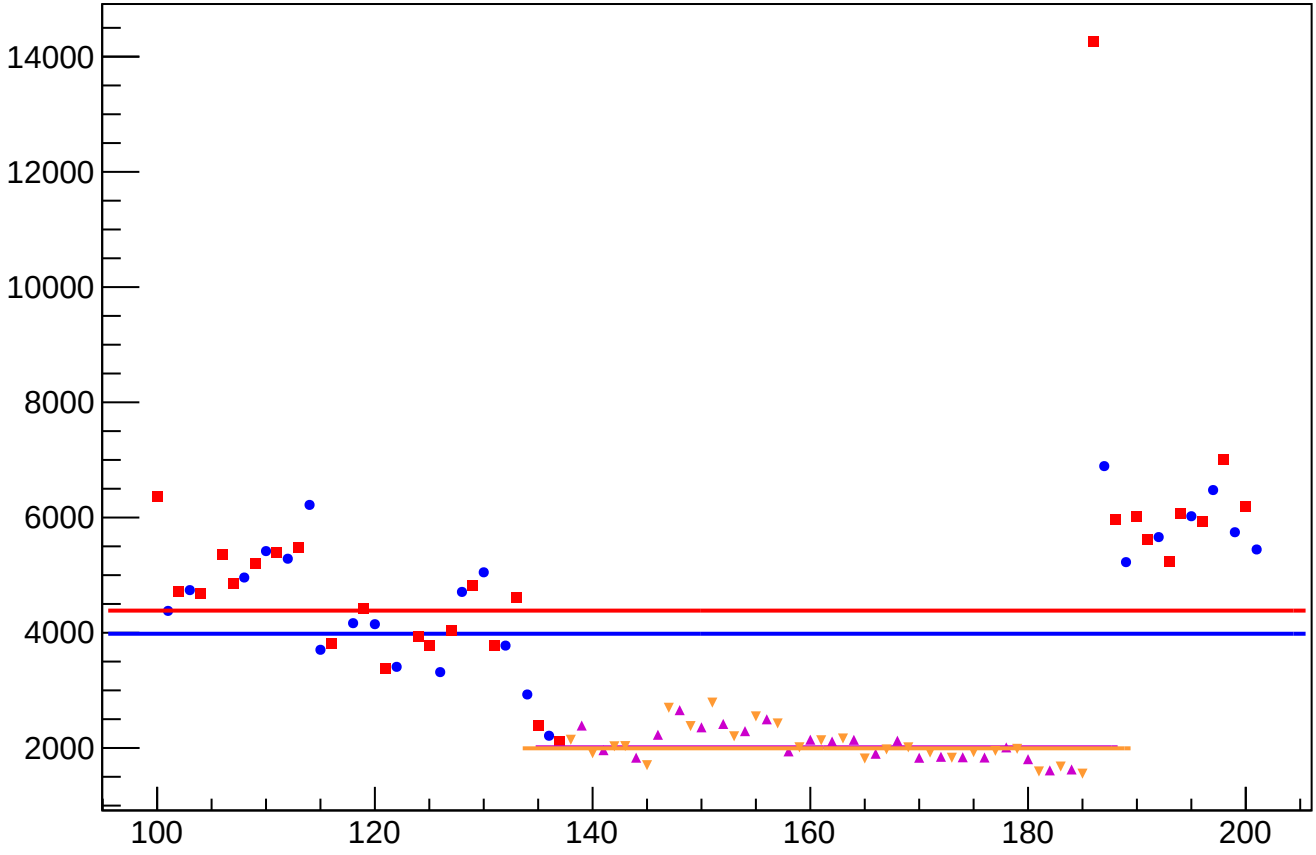
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1125.164+/-428.602 χ^2/NDF: 65.4/47

All: 731.887+/-308.361 χ^2/NDF: 125.7/98

- sign 309.883+/-443.980 χ^2/NDF: 58.6/50

asym_sam2_rms vs Slug



Right In: 3982.973+/-0.850 χ^2/NDF: 2595604.2/22

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

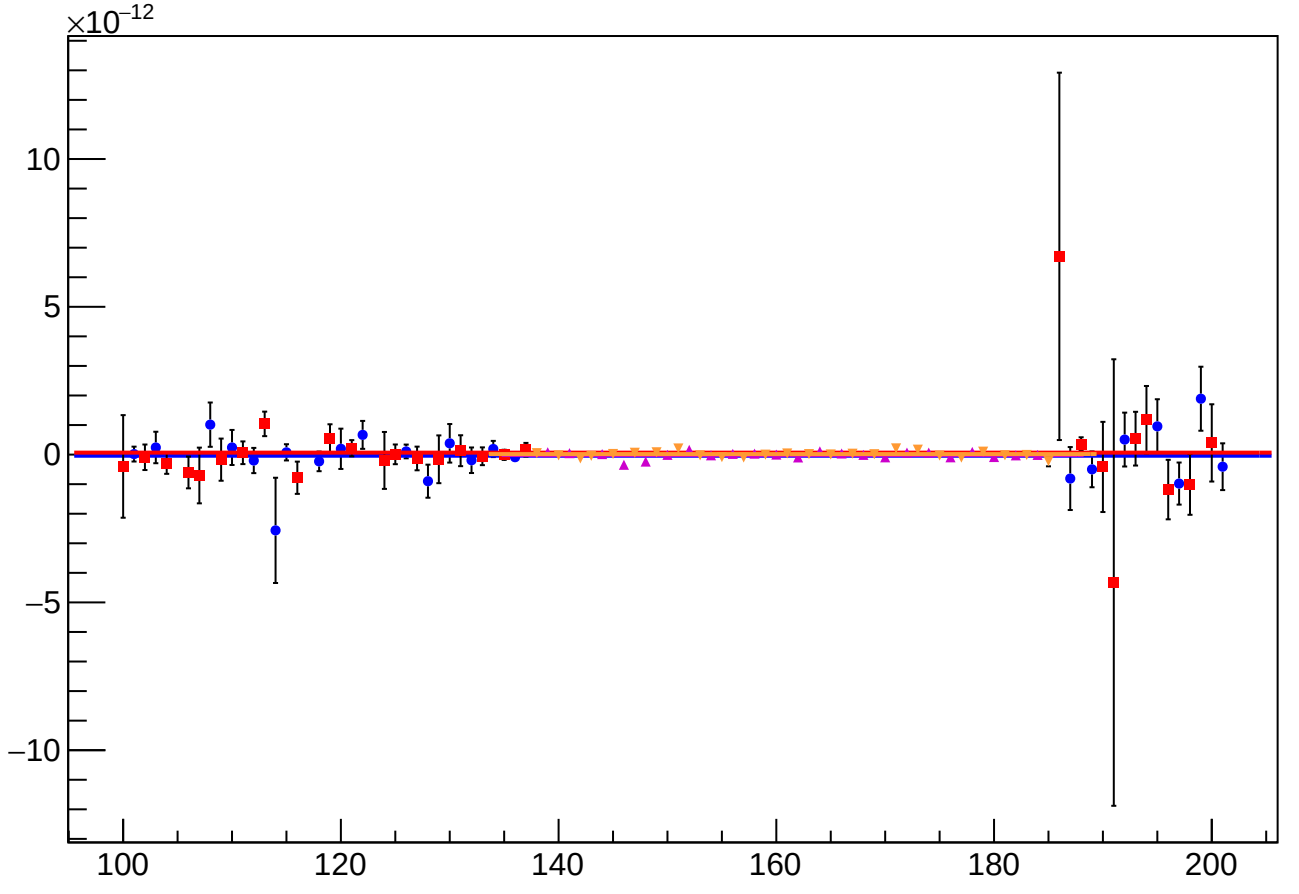
Right Out: 4384.608+/-0.885 χ^2/NDF: 2735604.1/27

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2246.863+/-0.303 χ^2/NDF: 8116975.6/47

All: 2277.729+/-0.218 χ^2/NDF: 17734817.3/9

- sign 2310.850+/-0.314 χ^2/NDF: 9596339.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

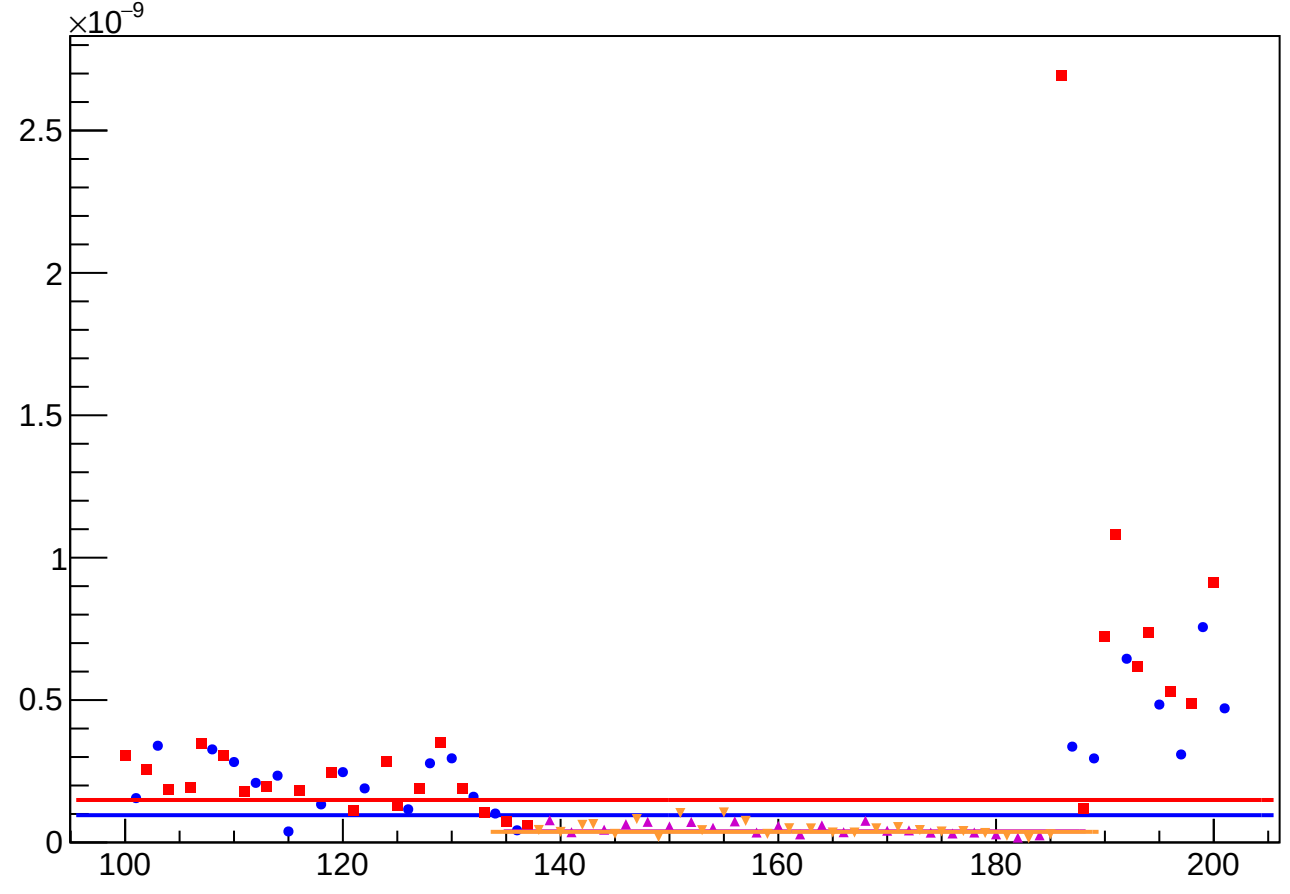
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/27

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: 95.5/98

- sign -0.000+/-0.000 χ^2/NDF: 52.4/50



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: 4393413.5/27

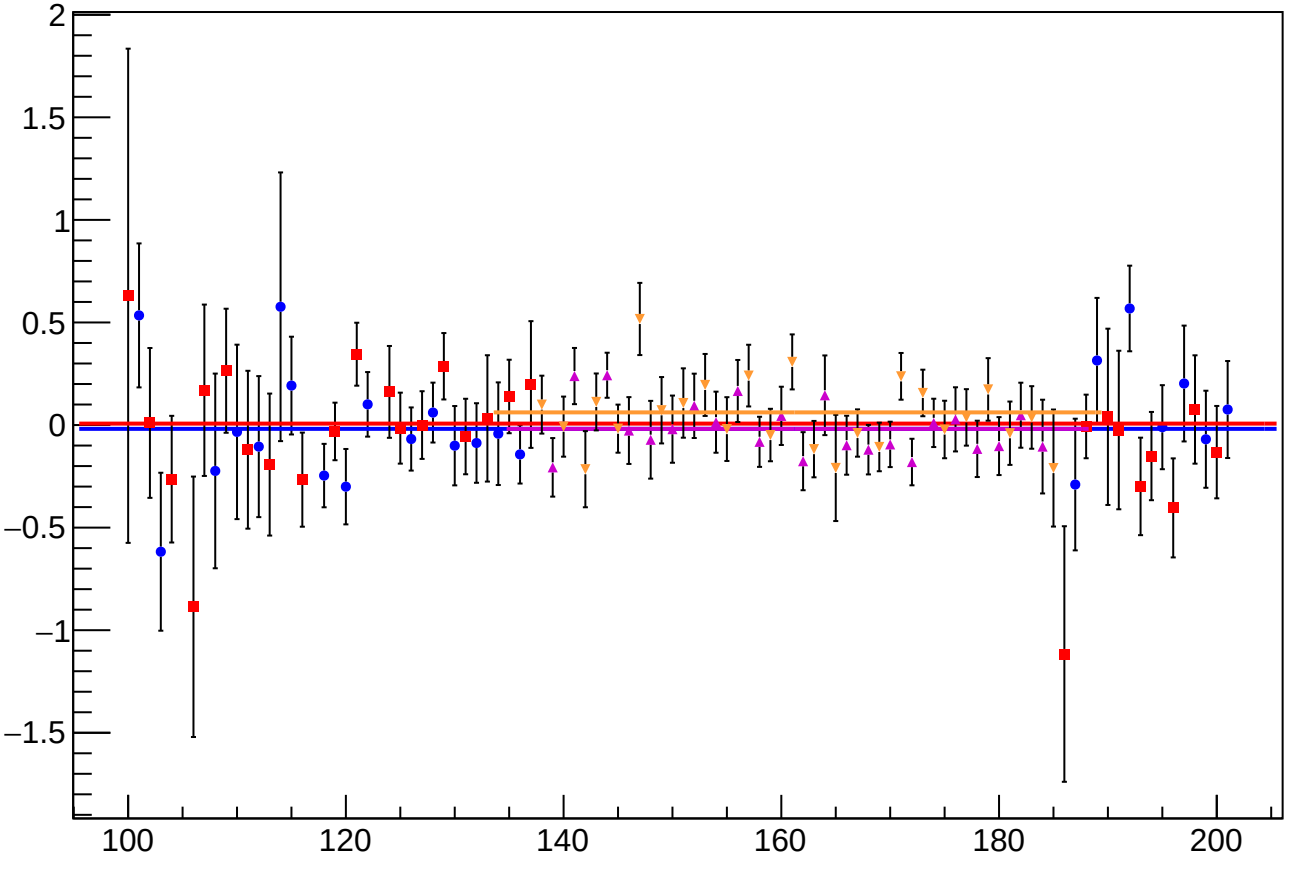
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9704052.3/47

All: 0.000+/-0.000 χ^2/NDF: 19815631.7/98

- sign 0.000+/-0.000 χ^2/NDF: 10078766.7/50

asym_sam2_dit_vs_cor_diff_mean vs Slug



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: 0.007+/-0.044 χ^2/NDF: 24.0/27

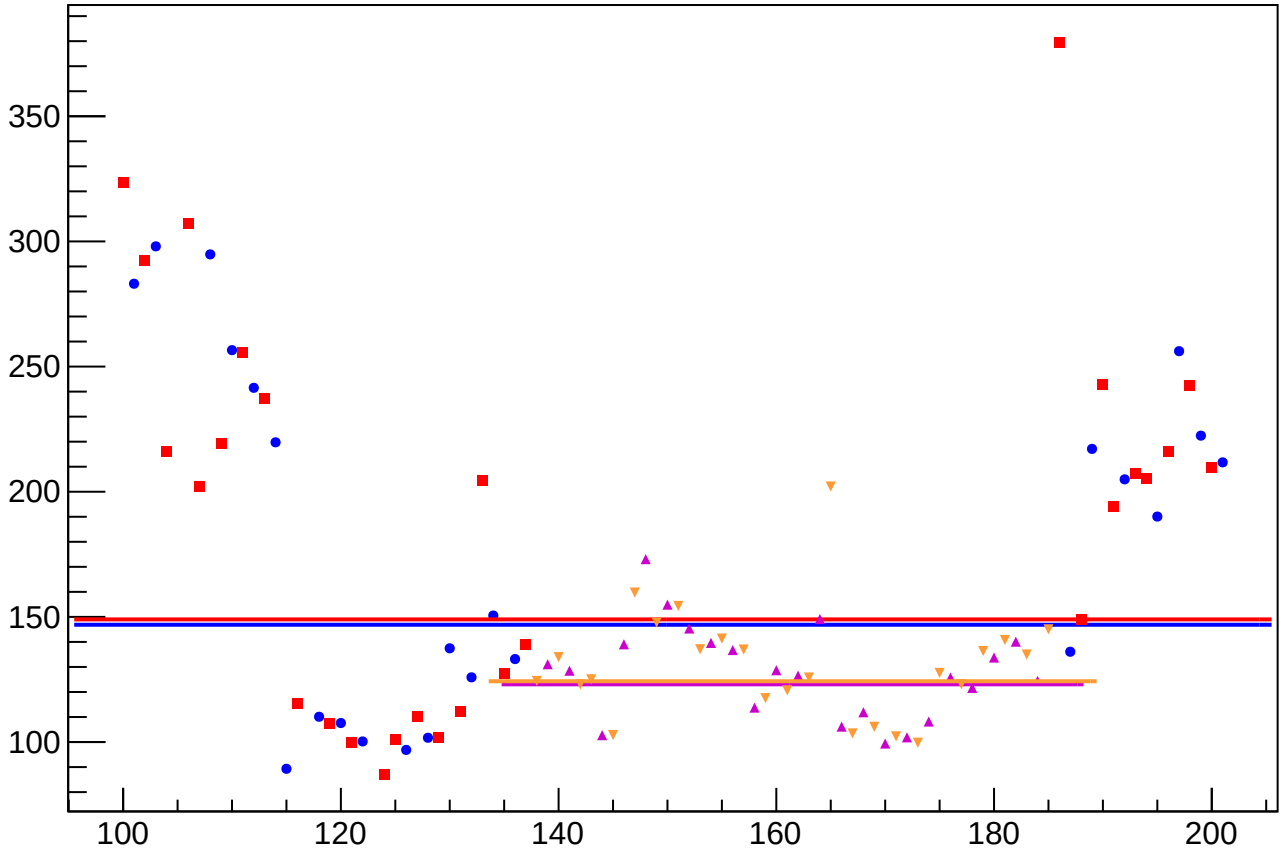
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.7/47

All: 0.014+/-0.017 χ^2/NDF: 100.3/98

- sign -0.011+/-0.024 χ^2/NDF: 44.6/50

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: 149.001+/-0.031 χ^2/NDF: 3382581.3/27

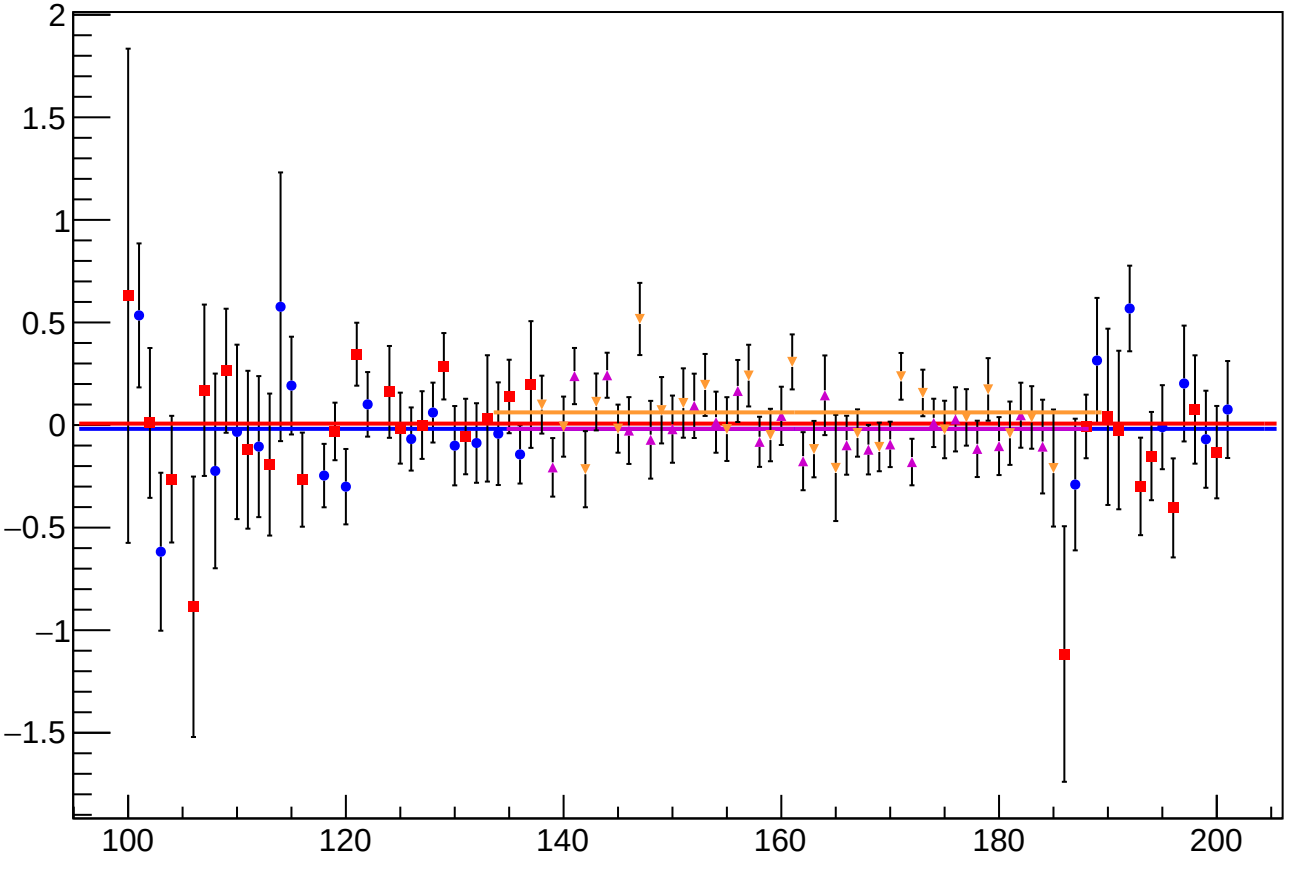
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

\+ sign 130.763+/-0.017 χ^2/NDF: 4262710.4/47

All: 130.932+/-0.012 χ^2/NDF: 8849173.2/98

\- sign 131.102+/-0.017 χ^2/NDF: 4586268.6/50

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



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: 0.007+/-0.044 χ^2/NDF: 24.0/27

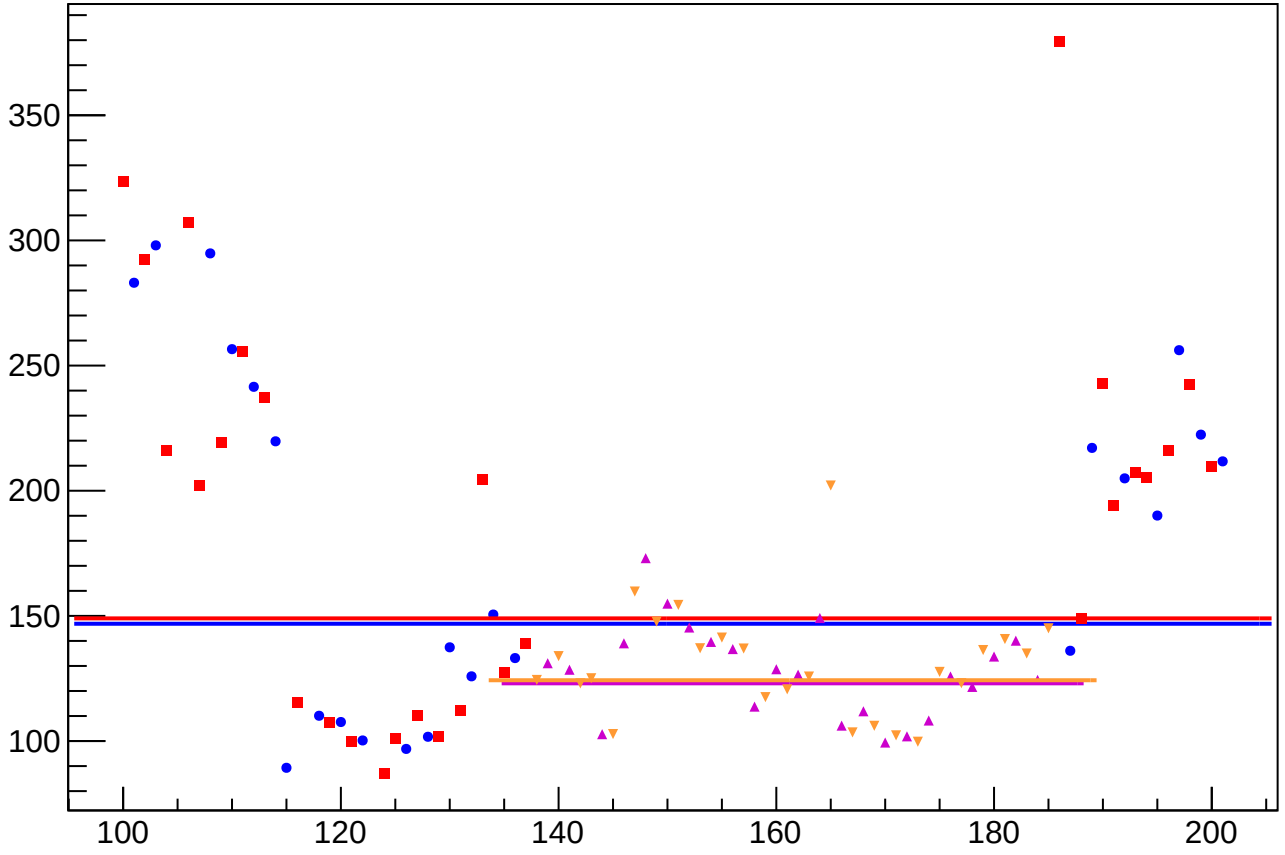
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.7/47

All: 0.014+/-0.017 χ^2/NDF: 100.3/98

- sign -0.011+/-0.024 χ^2/NDF: 44.6/50

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: 149.001+/-0.031 χ^2/NDF: 3382581.3/27

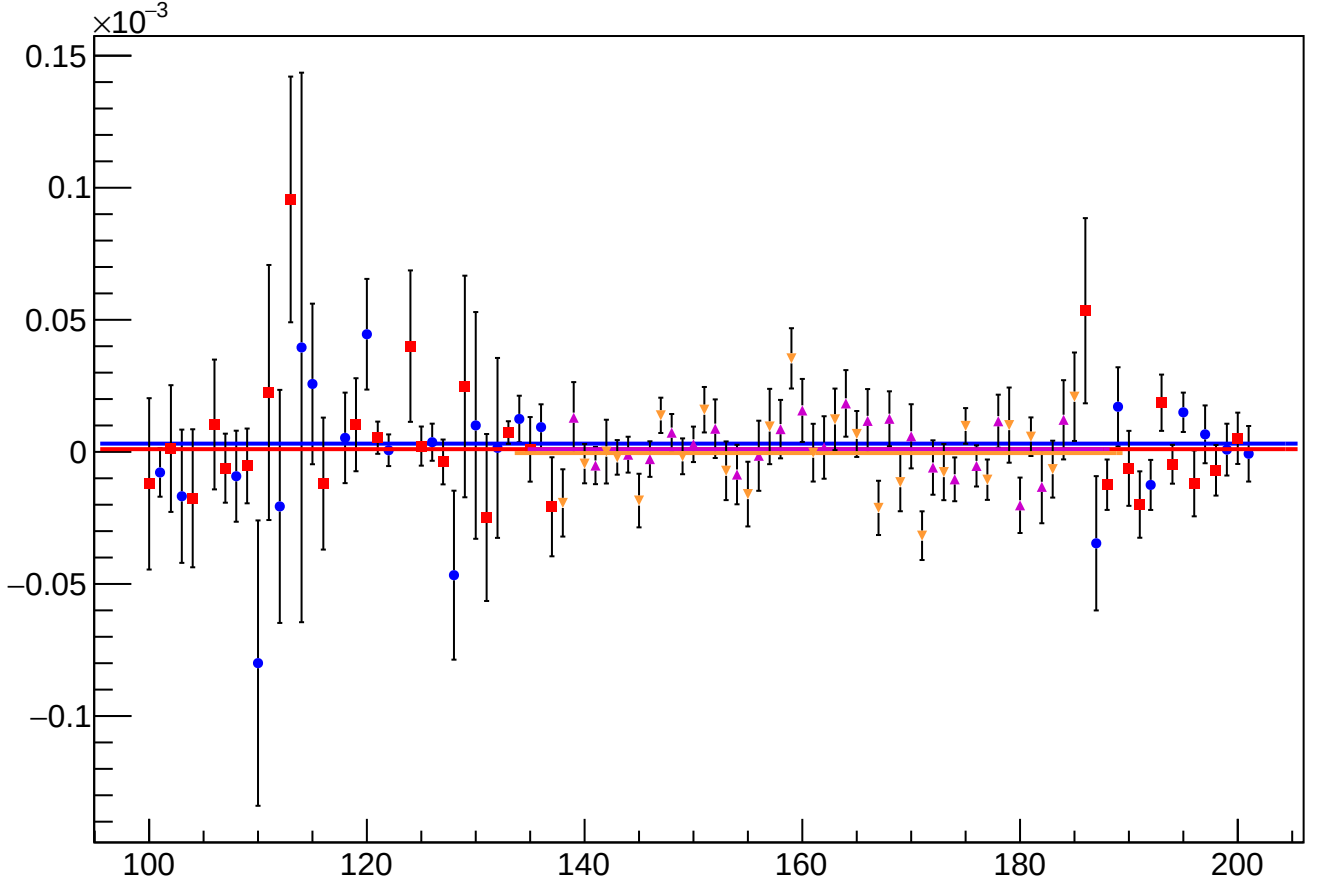
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

\+ sign 130.763+/-0.017 χ^2/NDF: 4262710.4/47

All: 130.932+/-0.012 χ^2/NDF: 8849173.2/98

\- sign 131.102+/-0.017 χ^2/NDF: 4586268.6/50

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: 26.0/27

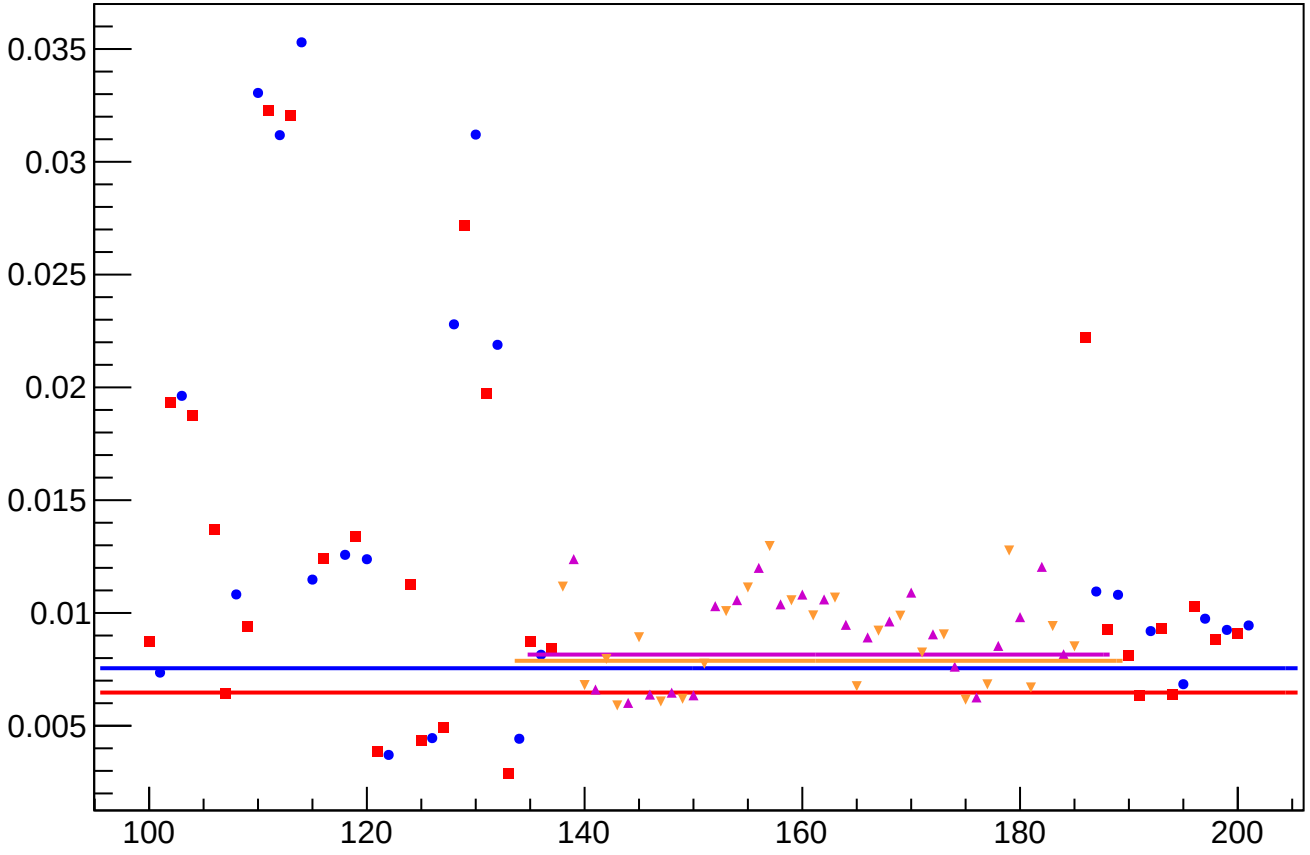
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.5/47

All: 0.000+/-0.000 χ^2/NDF: 122.5/98

- sign 0.000+/-0.000 χ^2/NDF: 45.9/50

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: 0.006+/-0.000 χ^2/NDF: 7086897.6/27

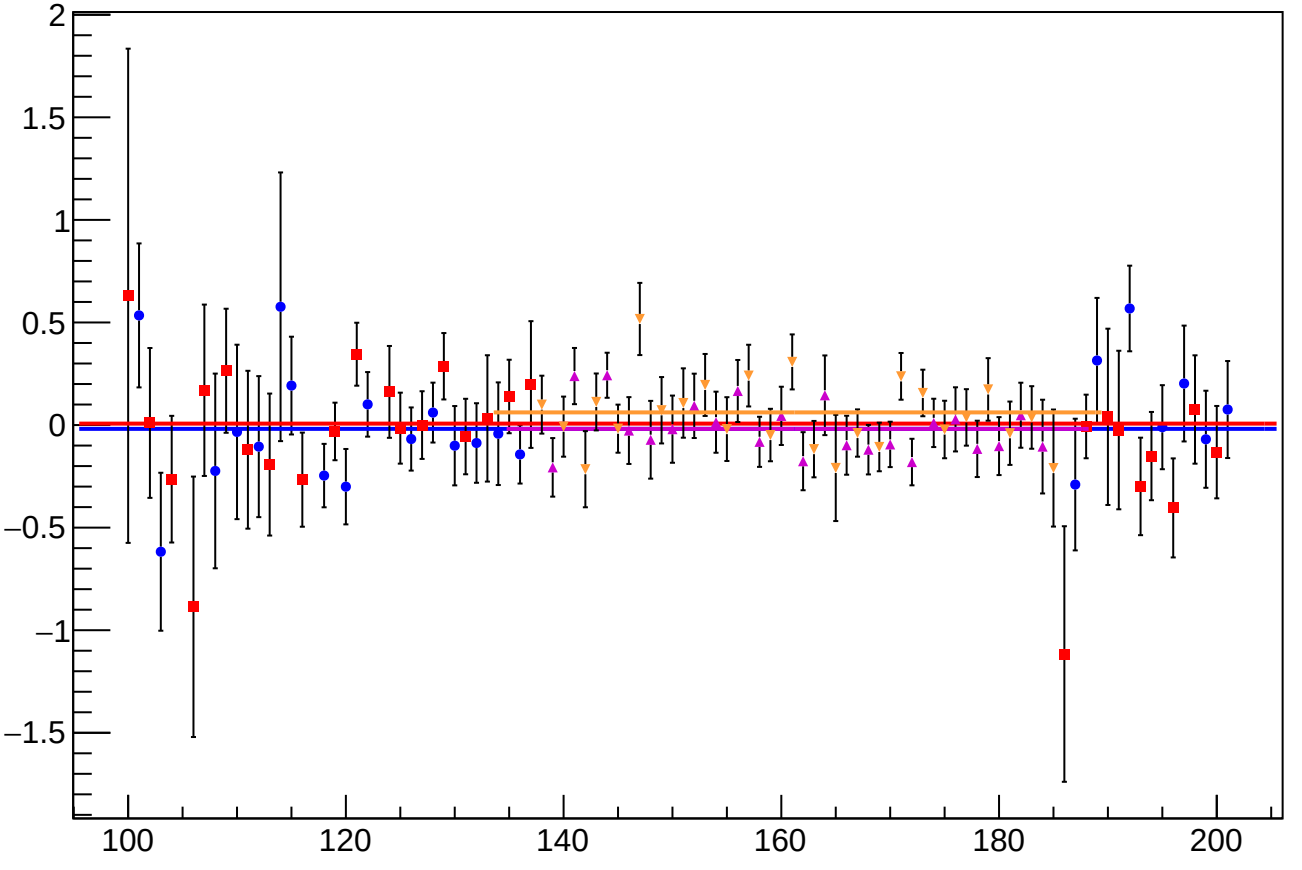
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7407877.6/47

All: 0.008+/-0.000 χ^2/NDF: 17266810.4/98

- sign 0.007+/-0.000 χ^2/NDF: 9784128.4/50

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



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: 0.007+/-0.044 χ^2/NDF: 24.0/27

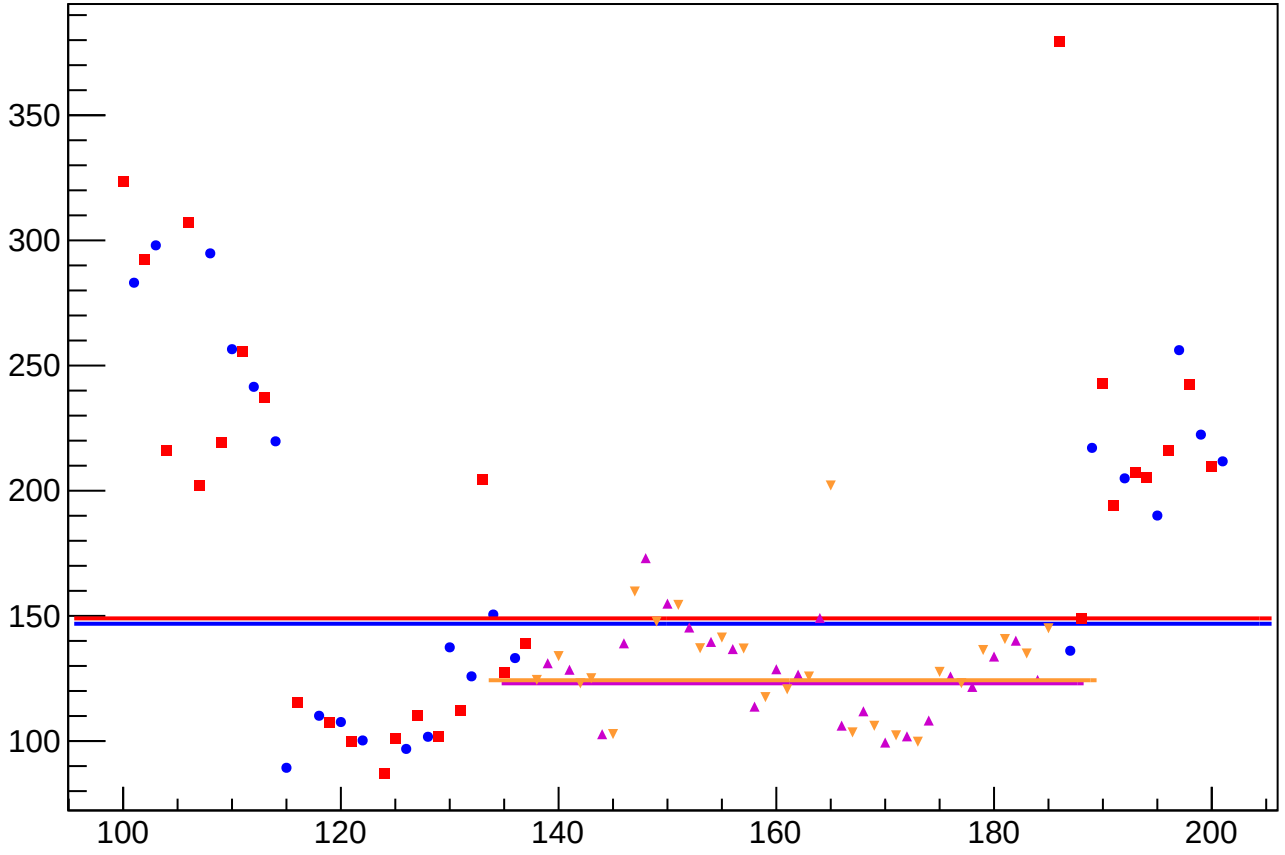
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.7/47

All: 0.014+/-0.017 χ^2/NDF: 100.3/98

- sign -0.011+/-0.024 χ^2/NDF: 44.6/50

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

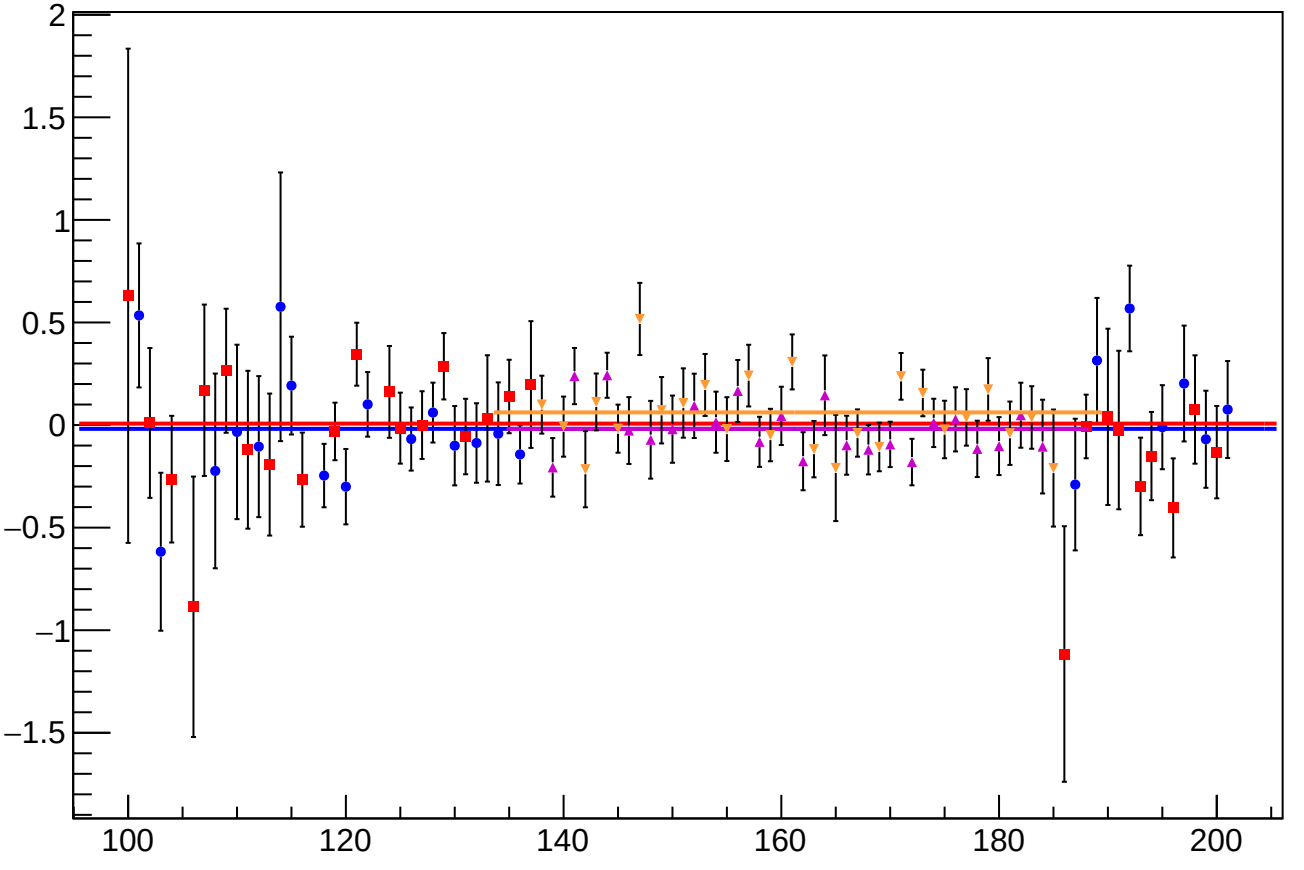
Right Out: 148.999+/-0.031 χ^2/NDF: 3382668.9/27

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

\+ sign 130.763+/-0.017 χ^2/NDF: 4262726.7/47

All: 130.931+/-0.012 χ^2/NDF: 8849216.1/98

\- sign 131.101+/-0.017 χ^2/NDF: 4586295.2/50



Right In: -0.019+/-0.045 χ^2/NDF: 24.0/22

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

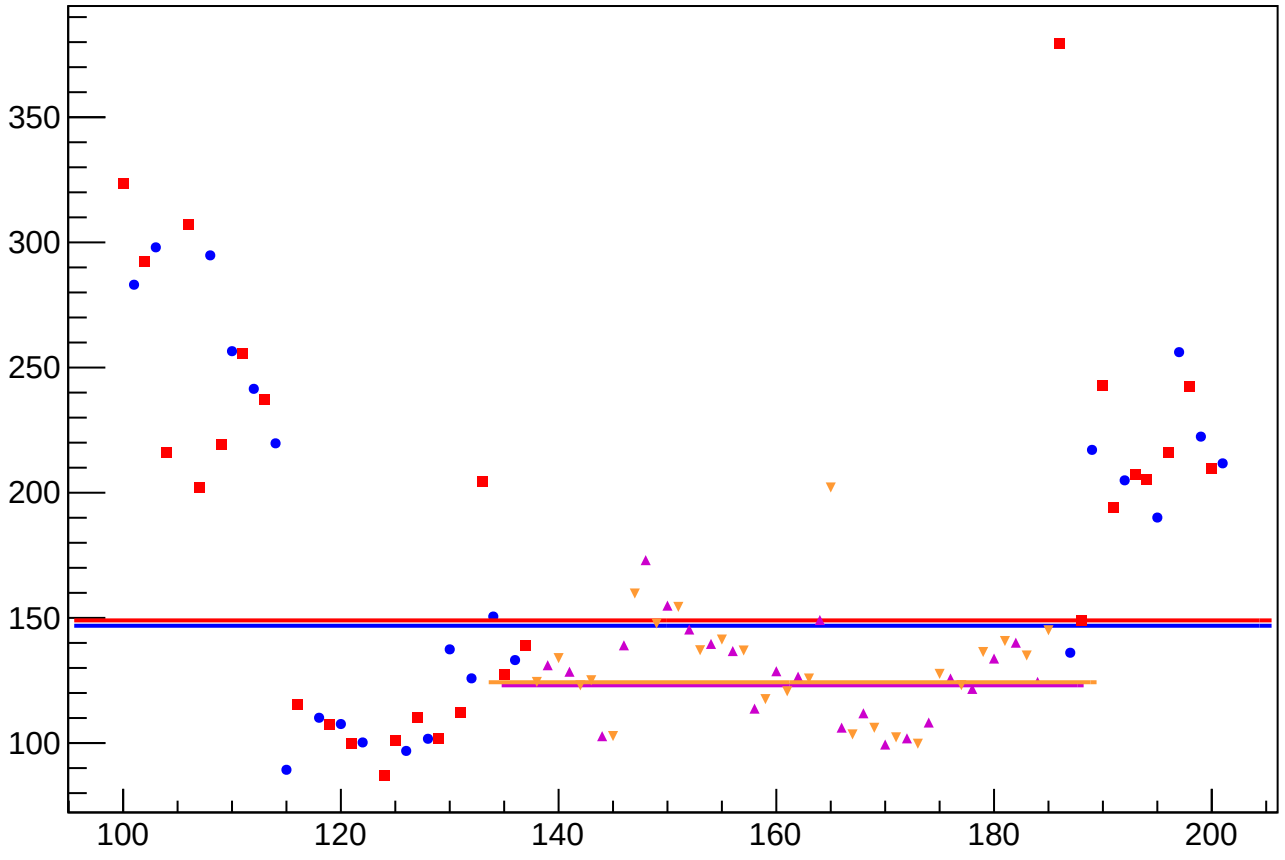
Right Out: 0.007+/-0.044 χ^2/NDF: 24.0/27

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.7/47

All: 0.014+/-0.017 χ^2/NDF: 100.3/98

- sign -0.011+/-0.024 χ^2/NDF: 44.6/50



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: 148.999+/-0.031 χ^2/NDF: 3382668.9/27

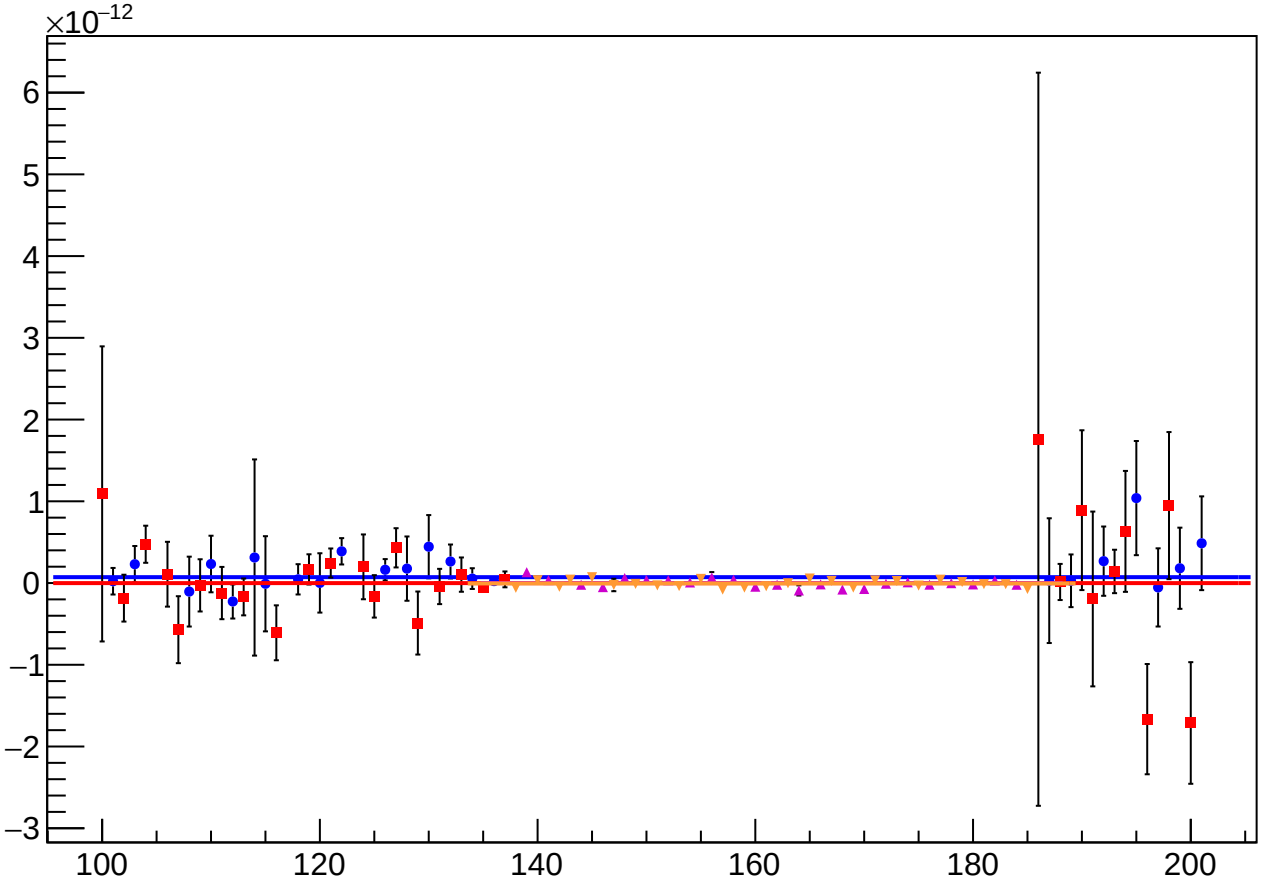
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 130.763+/-0.017 χ^2/NDF: 4262726.7/47

All: 130.931+/-0.012 χ^2/NDF: 8849216.1/98

- sign 131.101+/-0.017 χ^2/NDF: 4586295.2/50

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: 35.2/27

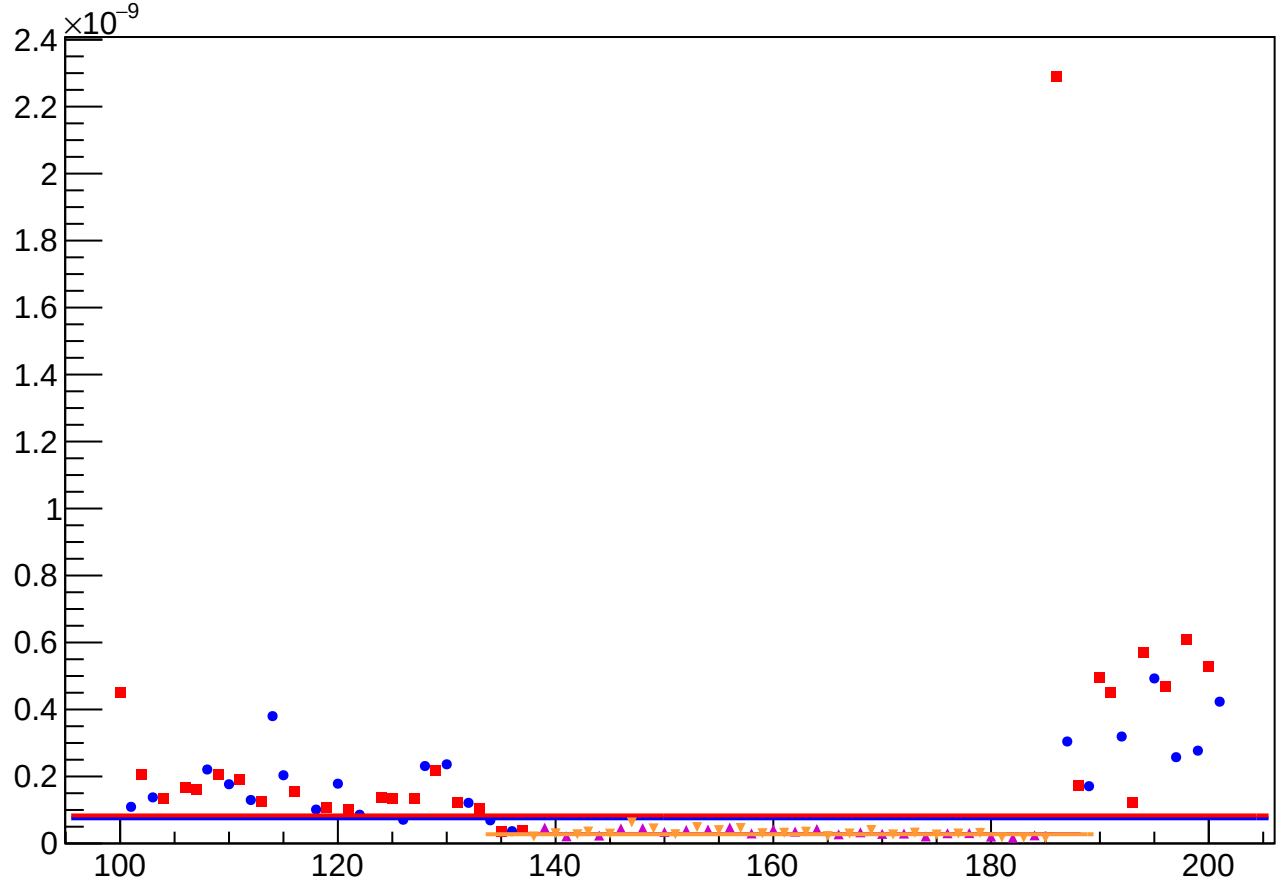
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.1/47

All: -0.000+/-0.000 χ^2/NDF: 102.0/98

- sign 0.000+/-0.000 χ^2/NDF: 59.8/50

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: 8138654.3/27

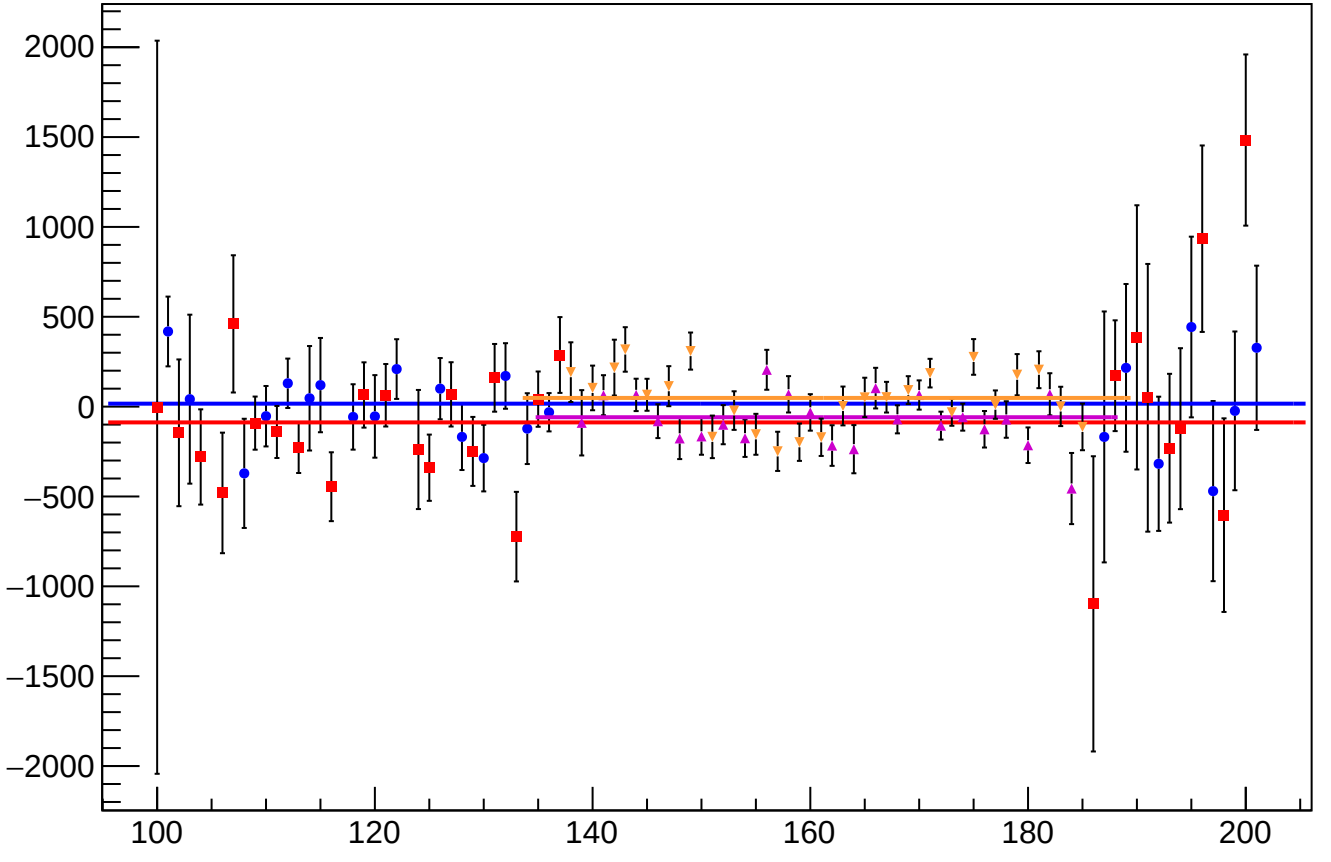
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12216619.5/47

All: 0.000+/-0.000 χ^2/NDF: 26588206.5/98

- sign 0.000+/-0.000 χ^2/NDF: 14356426.4/50

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: -87.818+/-44.097 χ^2/NDF: 44.2/27

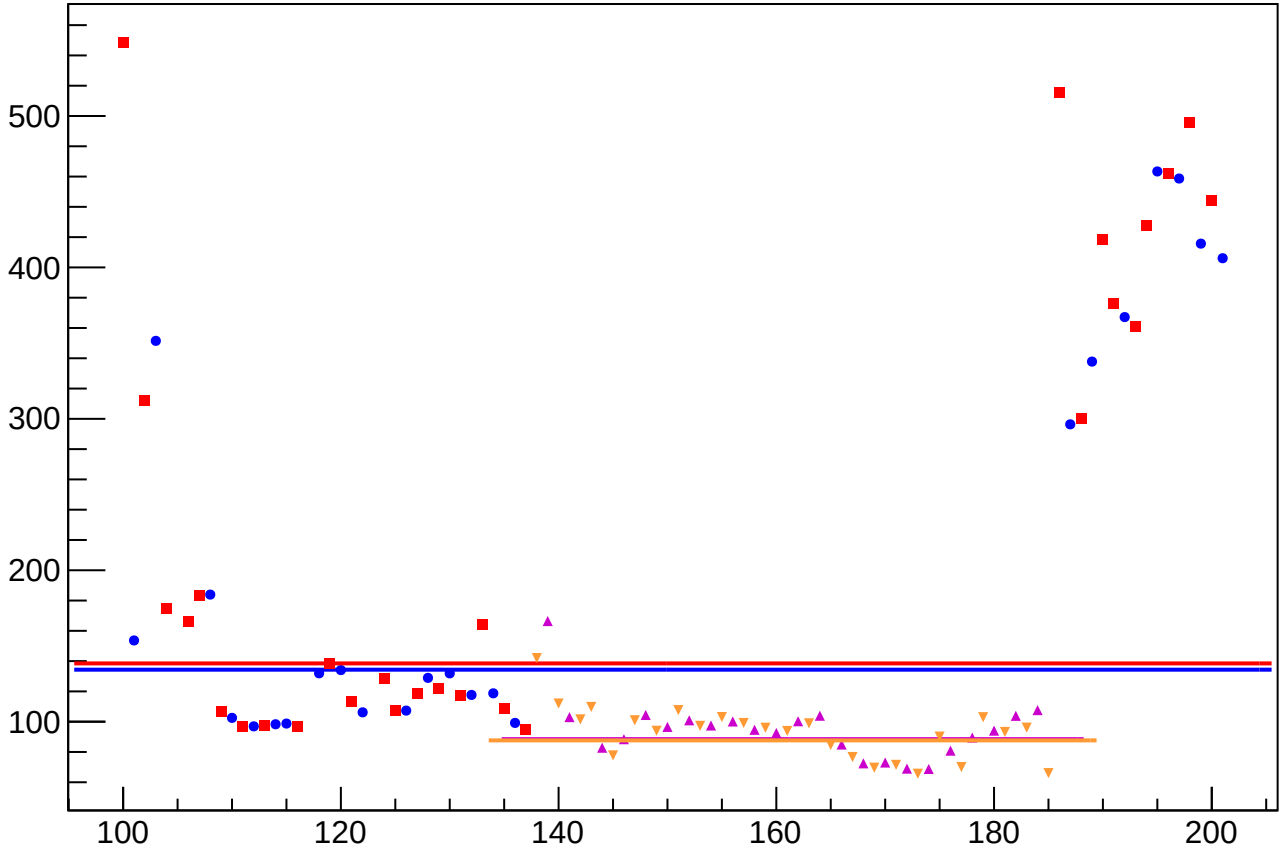
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 42.789+/-18.544 χ^2/NDF: 71.0/47

All: -9.296+/-13.296 χ^2/NDF: 162.4/98

- sign -64.403+/-19.074 χ^2/NDF: 75.1/50

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: 138.483+/-0.031 χ^2/NDF: 6745325.0/27

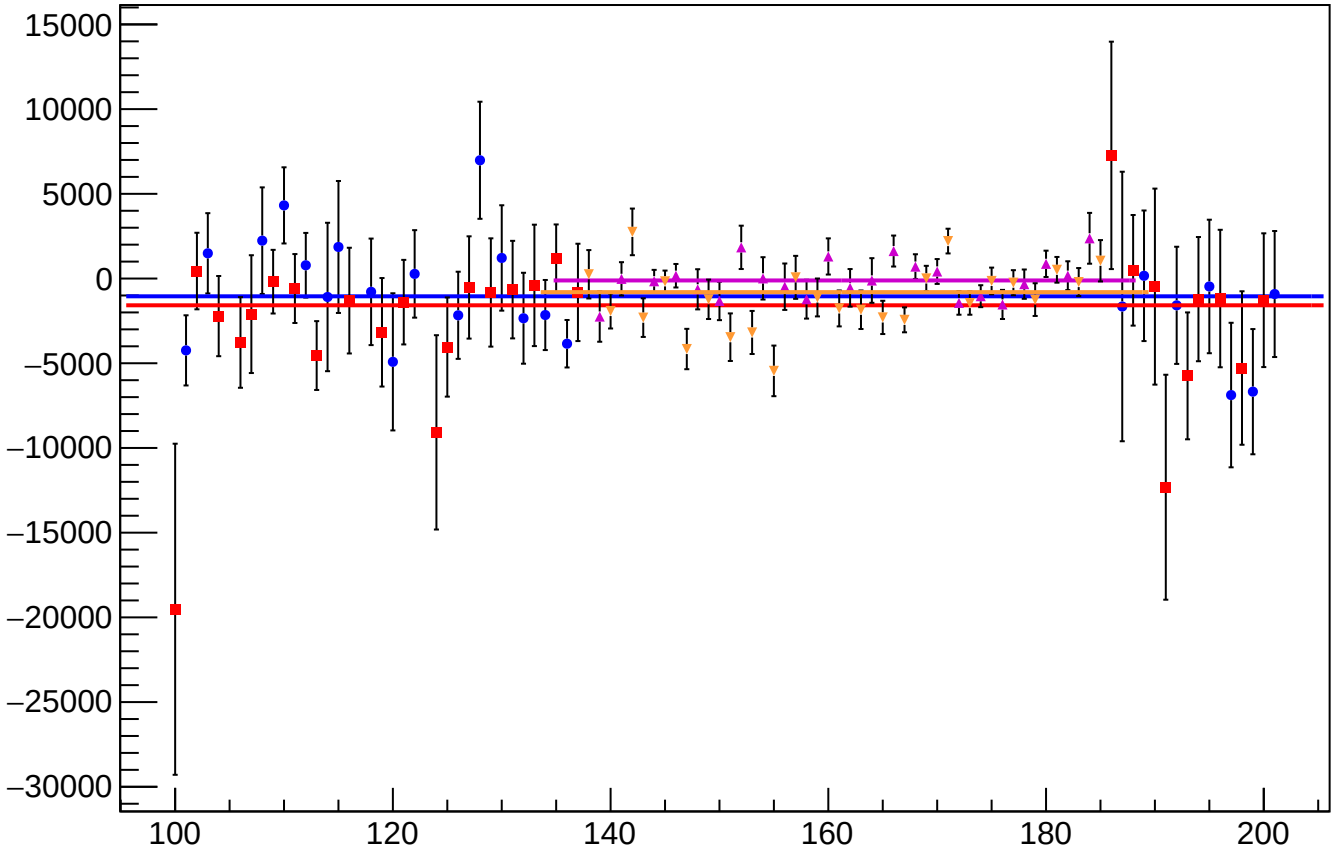
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 95.850+/-0.013 χ^2/NDF: 8670240.3/47

All: 96.816+/-0.009 χ^2/NDF: 18592662.0/98

- sign 97.838+/-0.013 χ^2/NDF: 9911257.3/50

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: -1579.327+/-563.584 χ^2/NDF: 19.6/27

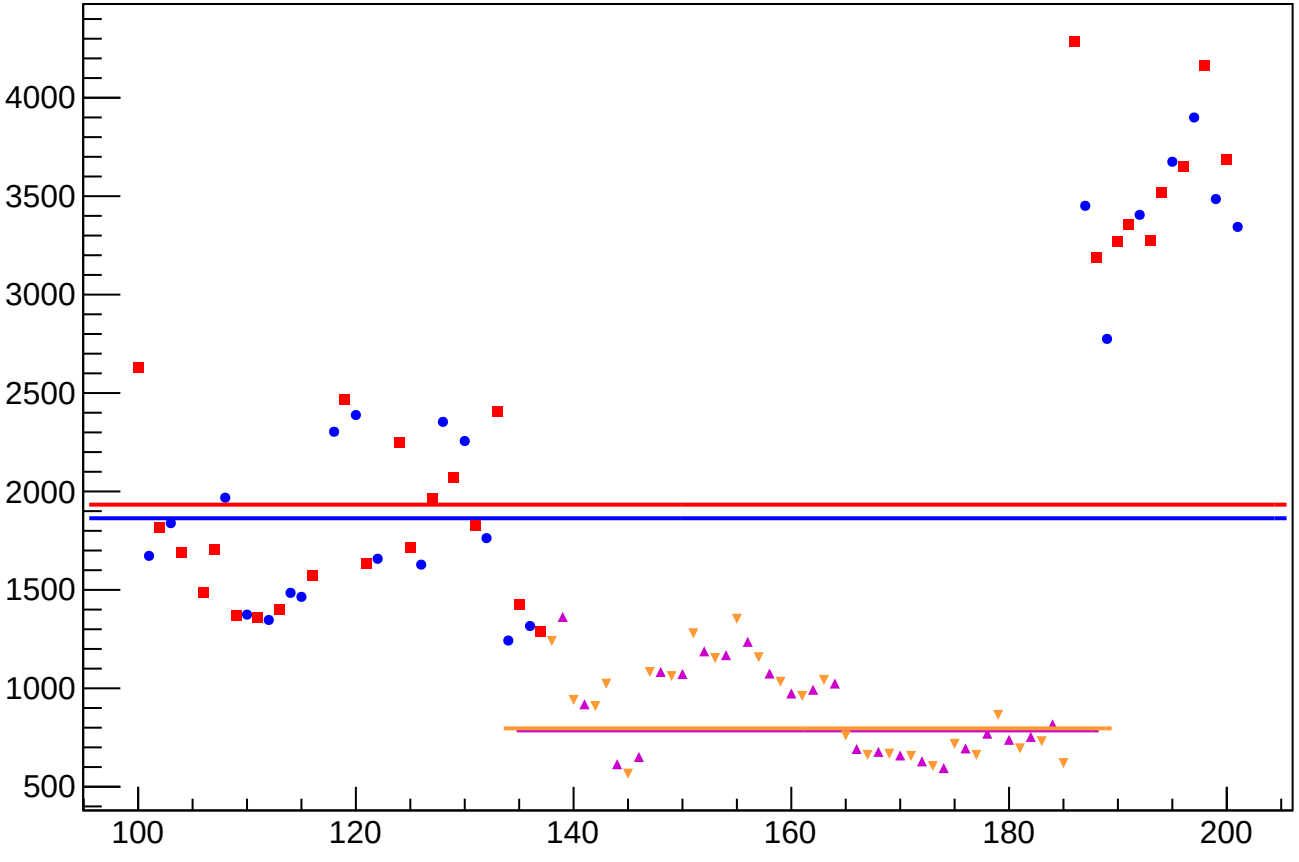
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -825.628+/-178.361 χ^2/NDF: 100.0/47

All: -547.098+/-126.791 χ^2/NDF: 157.7/98

- sign -262.565+/-180.273 χ^2/NDF: 52.8/50

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: 1933.055+/-0.399 χ^2/NDF: 3589349.1/27

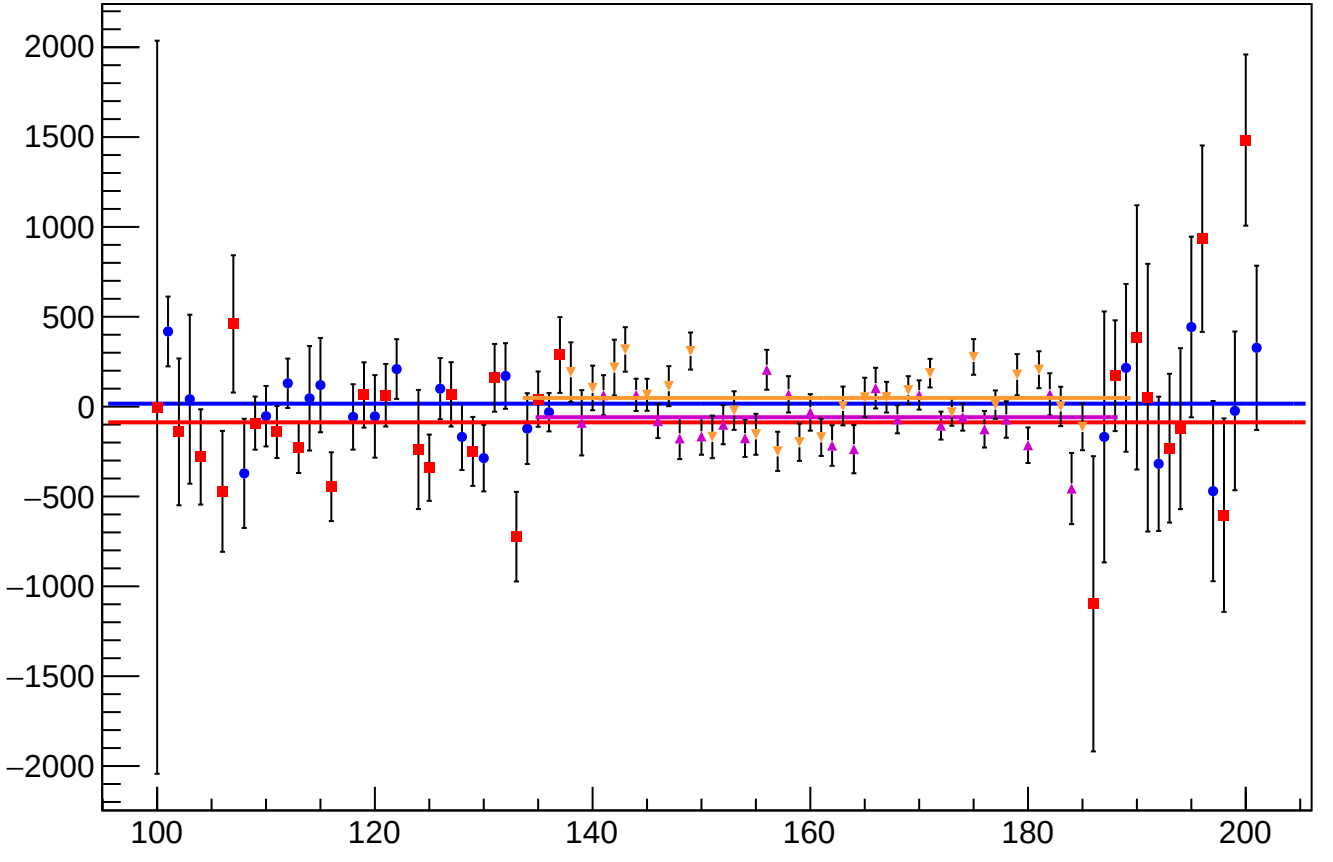
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 900.661+/-0.126 χ^2/NDF: 11852052.0/47

All: 902.146+/-0.090 χ^2/NDF: 25031026.9/98

- sign 903.664+/-0.127 χ^2/NDF: 13178694.5/50

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: -87.551+/-44.100 χ^2/NDF: 44.1/27

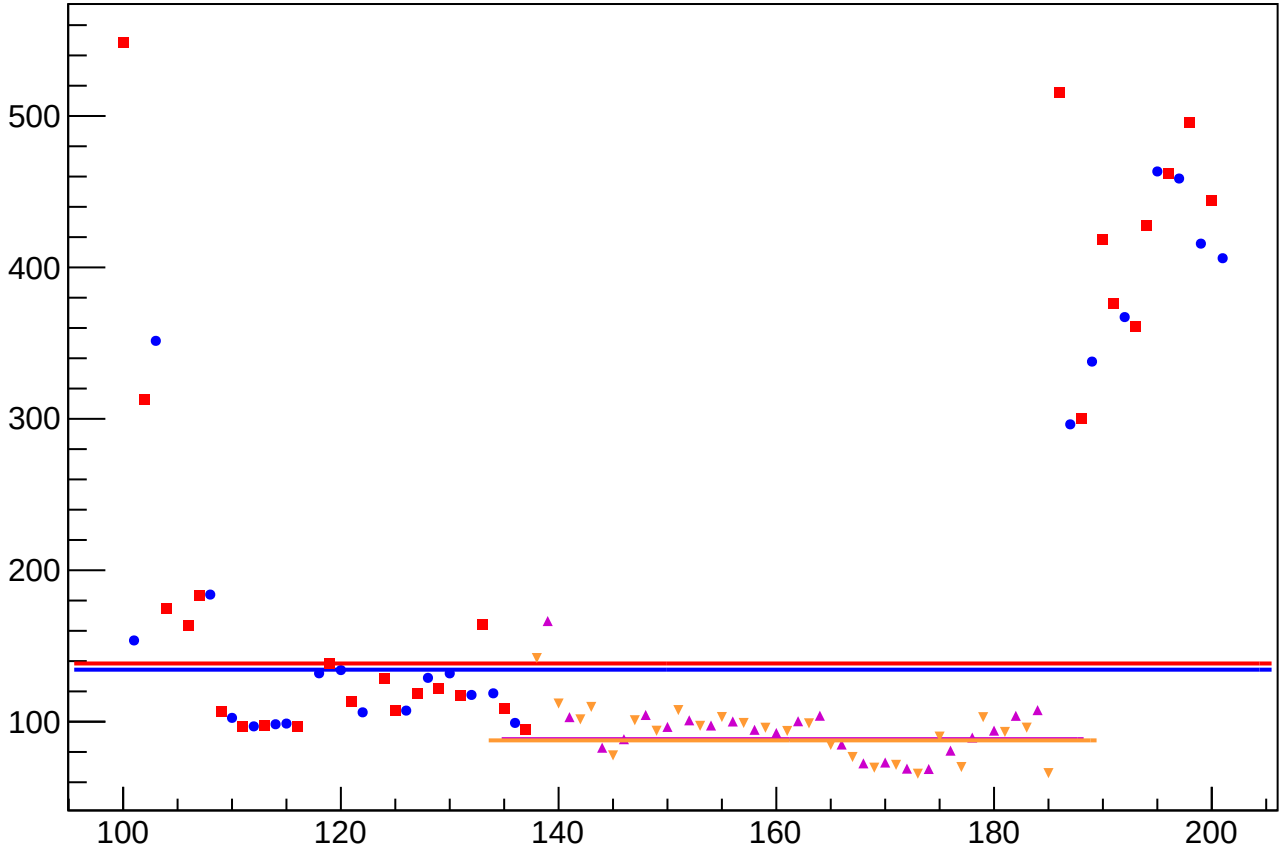
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.792+/-18.544 χ^2/NDF: 71.0/47

All: -9.271+/-13.296 χ^2/NDF: 162.3/98

- sign -64.355+/-19.075 χ^2/NDF: 75.0/50

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: 138.437+/-0.031 χ^2/NDF: 6743094.0/27

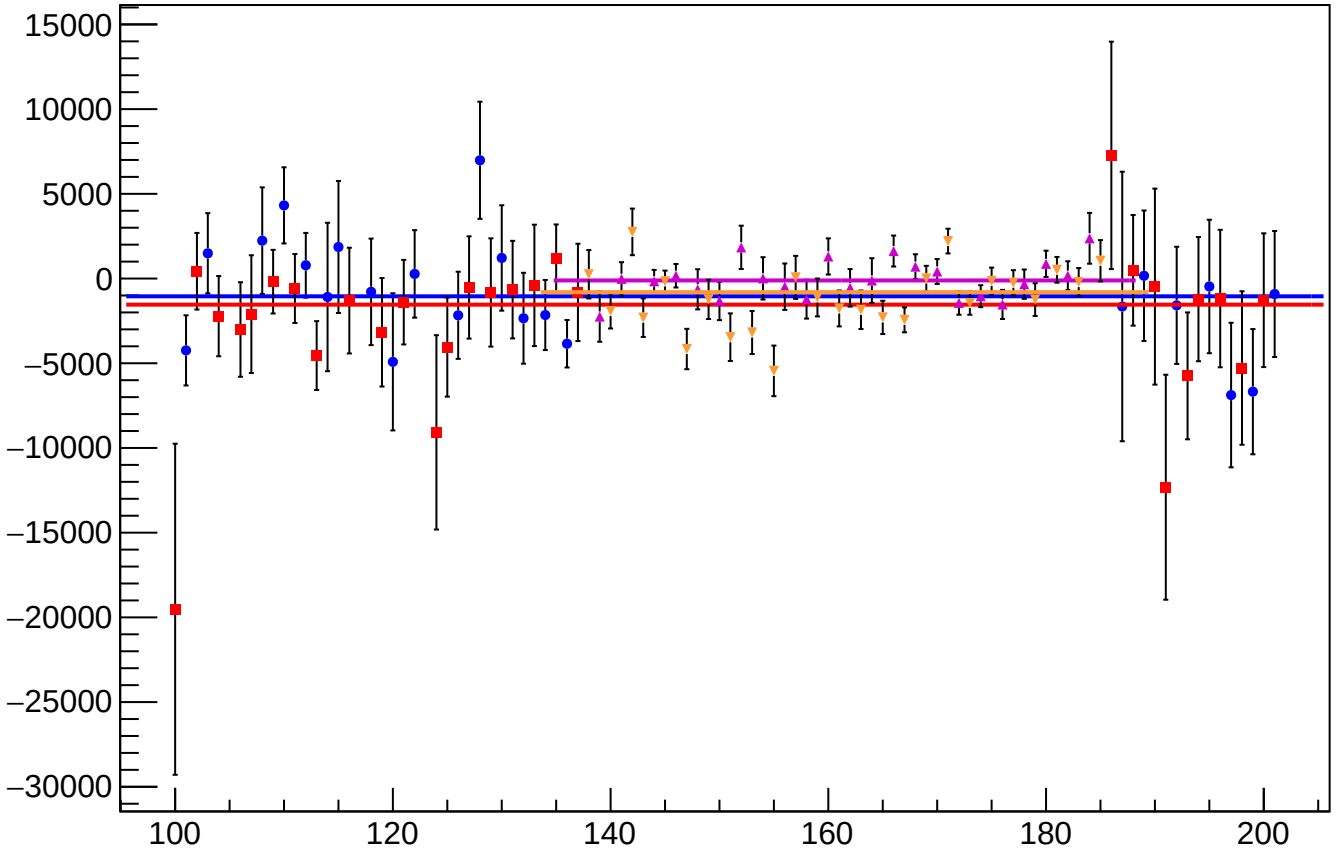
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 95.850+/-0.013 χ^2/NDF: 8670241.9/47

All: 96.811+/-0.009 χ^2/NDF: 18586320.2/98

- sign 97.828+/-0.013 χ^2/NDF: 9905019.8/50

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: -1541.253+/-564.629 χ^2/NDF: 19.2/27

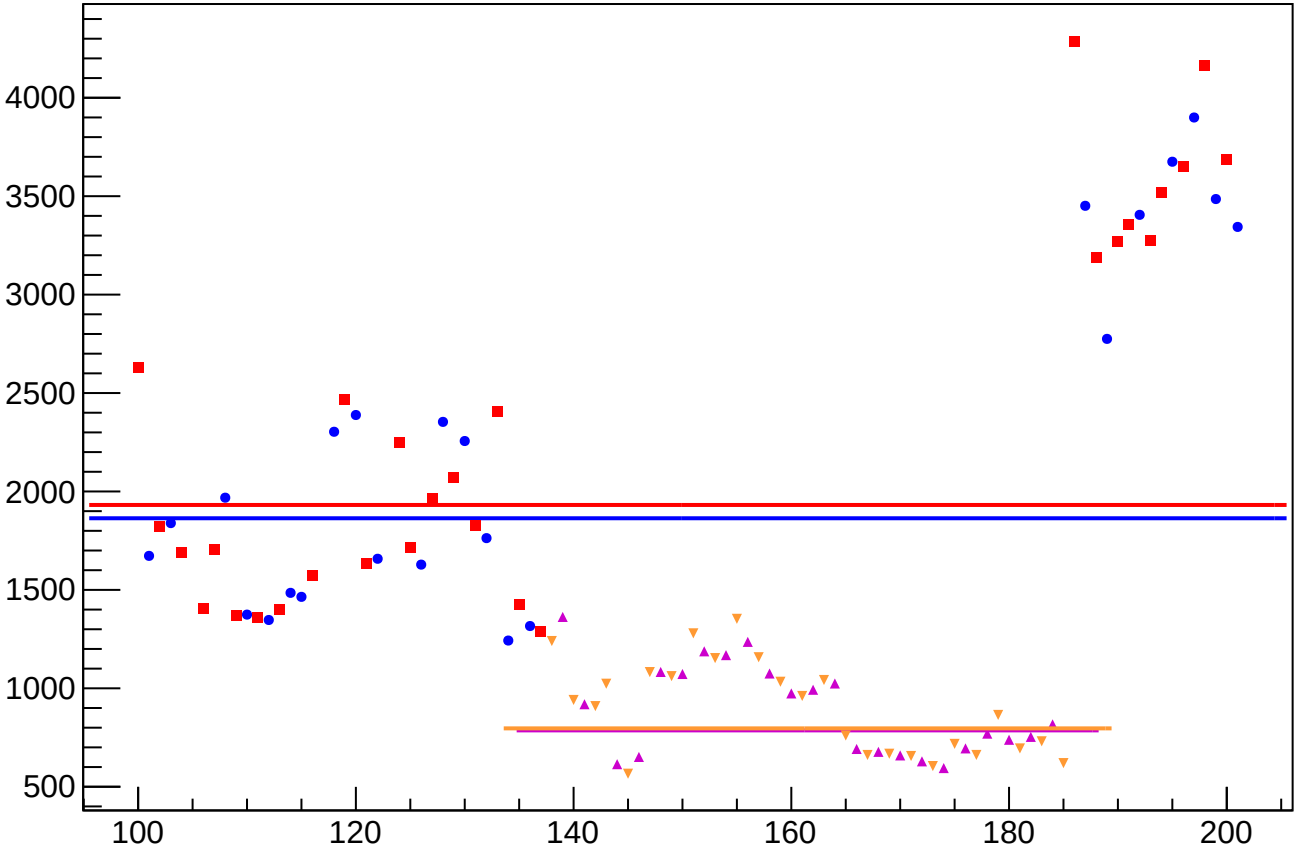
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -825.620+/-178.361 χ^2/NDF: 100.0/47

All: -544.981+/-126.803 χ^2/NDF: 157.0/98

- sign -258.185+/-180.307 χ^2/NDF: 52.0/50

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

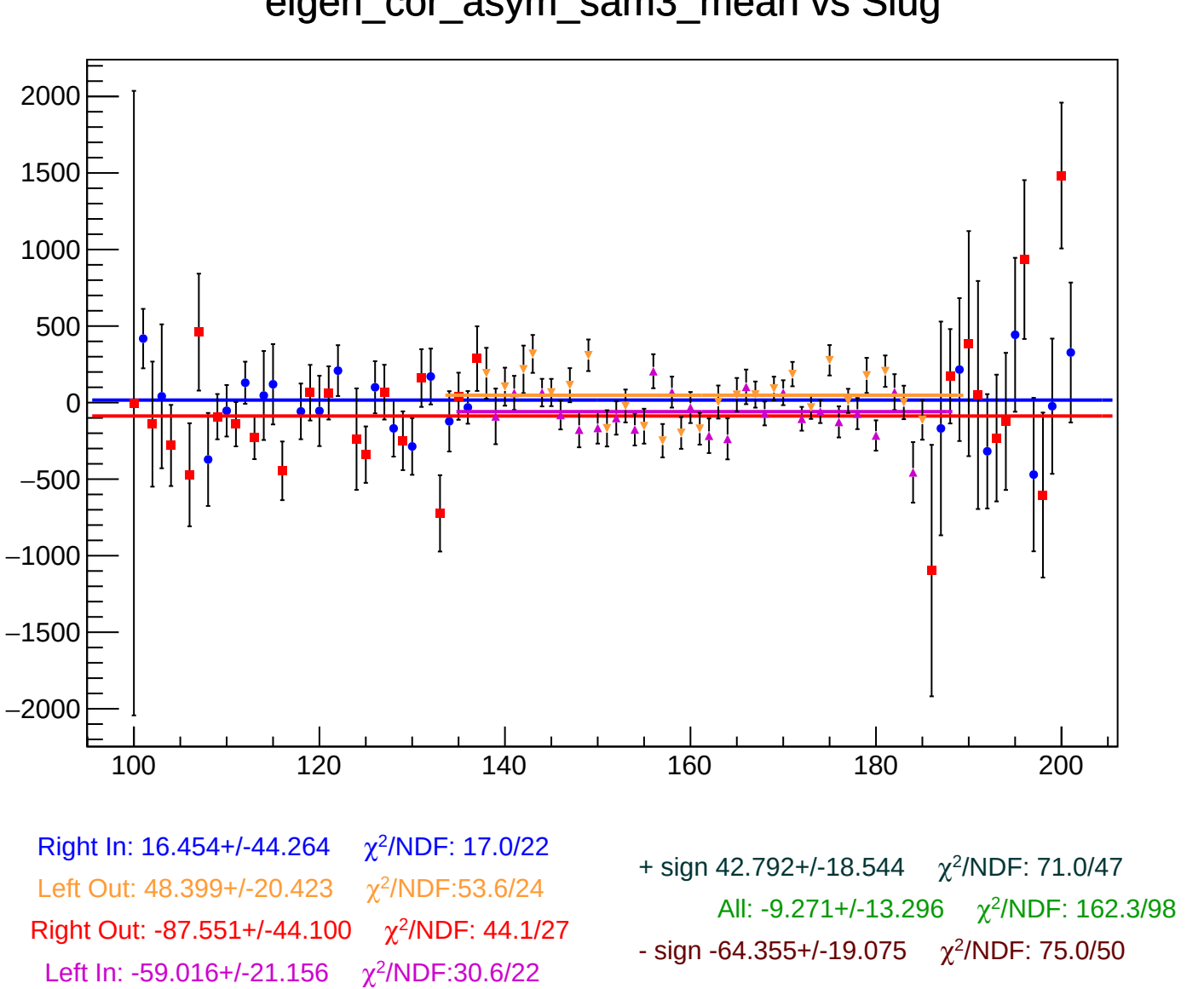
Right Out: 1931.448+/-0.399 χ^2/NDF: 3604949.8/27

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

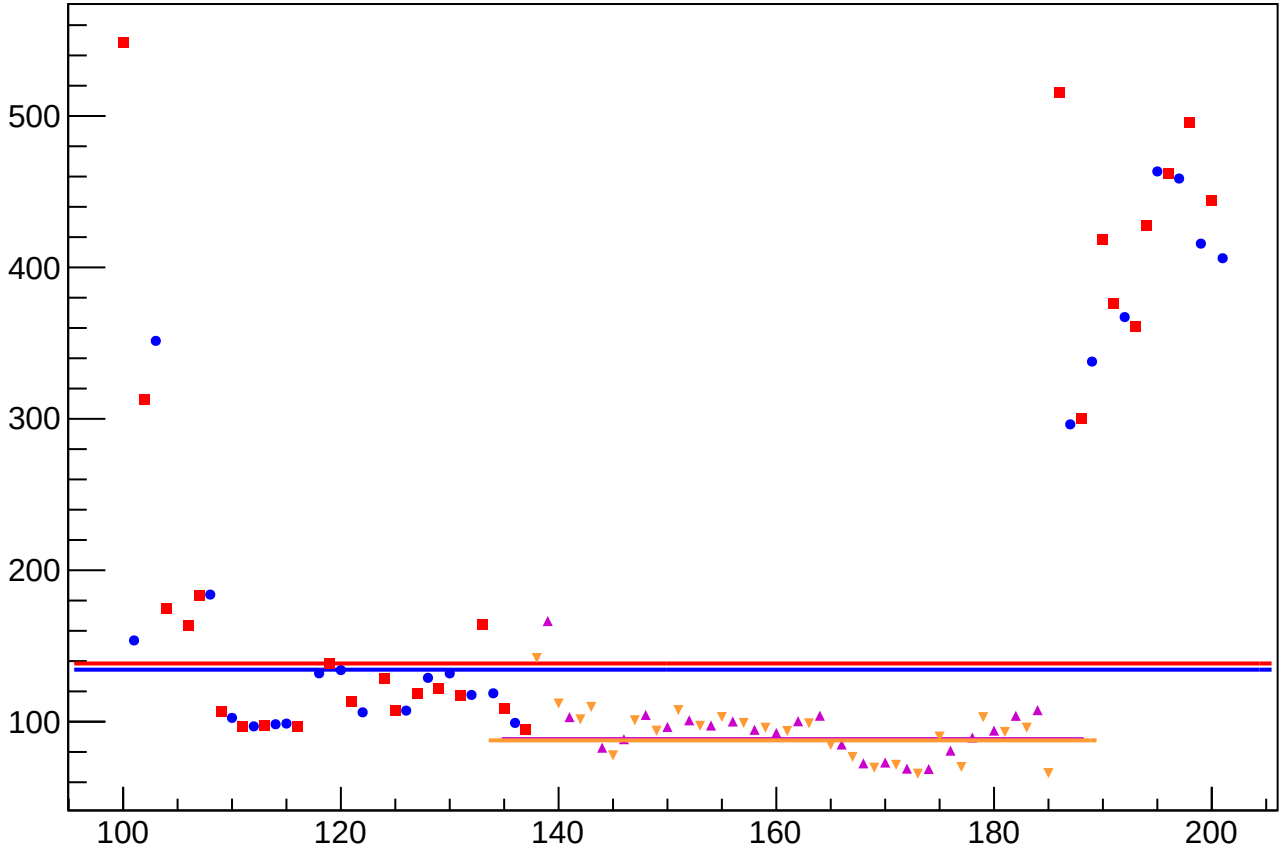
+ sign 900.661+/-0.126 χ^2/NDF: 11852111.9/47

All: 901.872+/-0.090 χ^2/NDF: 25001152.1/98

- sign 903.110+/-0.127 χ^2/NDF: 13148853.6/50


eigen_cor_asym_sam3_mean vs Slug
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
120
140
160
180
200
Right In: 16.454+/-44.264 χ²/NDF: 17.0/22
Left Out: 48.399+/-20.423 χ²/NDF:53.6/24
Right Out: -87.551+/-44.100 χ²/NDF: 44.1/27
Left In: -59.016+/-21.156 χ²/NDF:30.6/22
+ sign 42.792+/-18.544 χ²/NDF: 71.0/47
All: -9.271+/-13.296 χ²/NDF: 162.3/98
- sign -64.355+/-19.075 χ²/NDF: 75.0/50

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

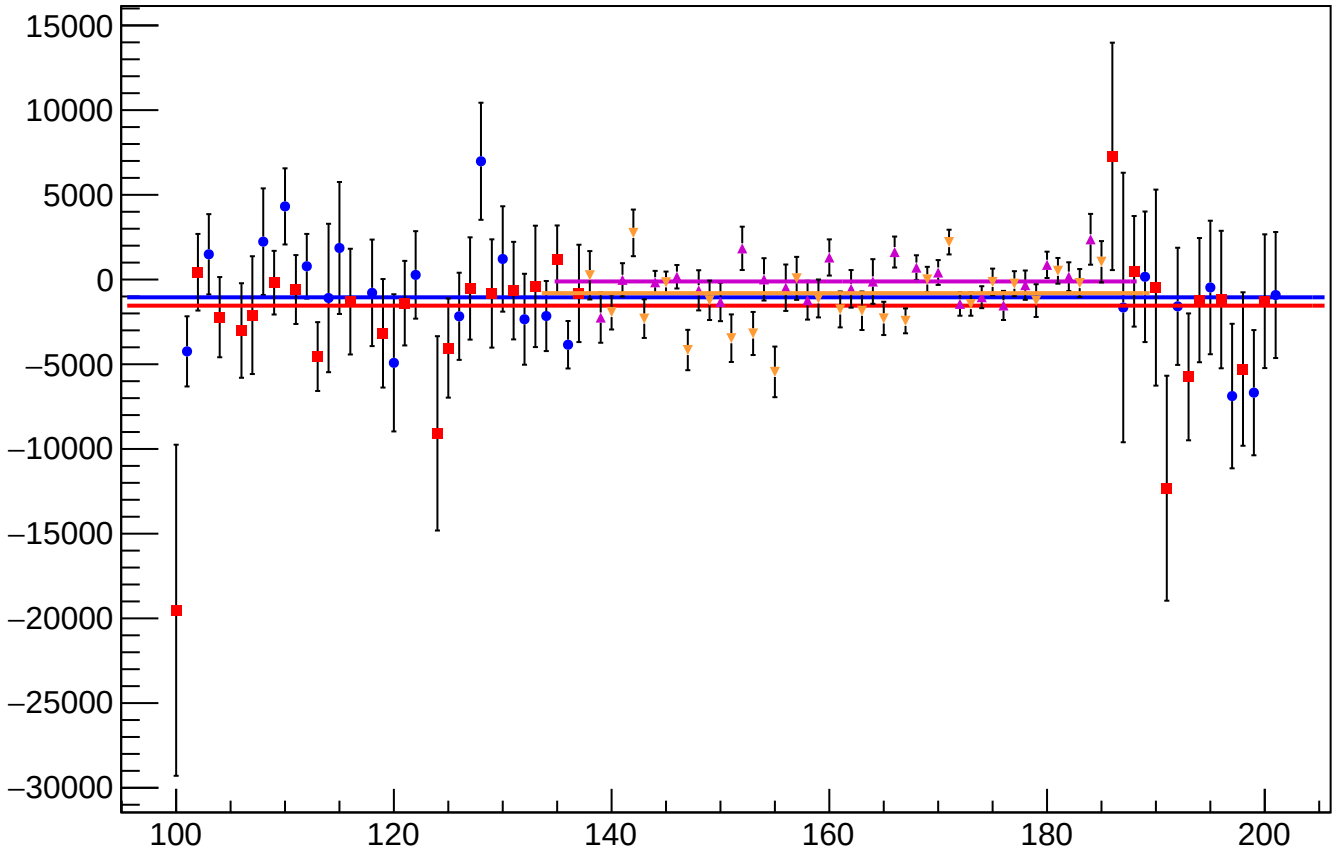
Right Out: 138.437+/-0.031 χ^2/NDF: 6743094.0/27

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 95.850+/-0.013 χ^2/NDF: 8670241.9/47

All: 96.811+/-0.009 χ^2/NDF: 18586320.2/98

- sign 97.828+/-0.013 χ^2/NDF: 9905019.8/50



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: -1541.253+/-564.629 χ^2/NDF: 19.2/27

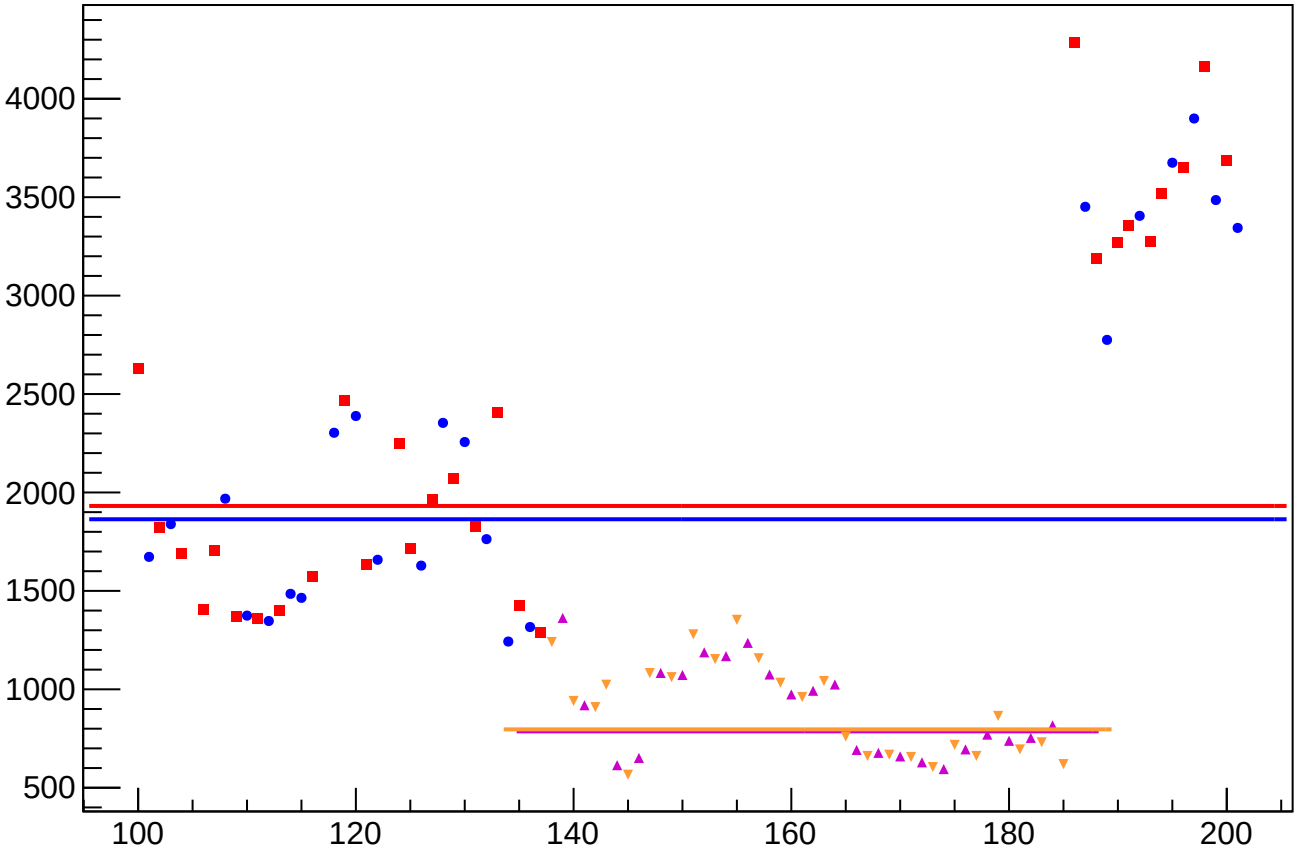
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -825.620+/-178.361 χ^2/NDF: 100.0/47

All: -544.981+/-126.803 χ^2/NDF: 157.0/98

- sign -258.185+/-180.307 χ^2/NDF: 52.0/50

asym_sam3_eigen_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: 1931.448+/-0.399 χ^2/NDF: 3604949.8/27

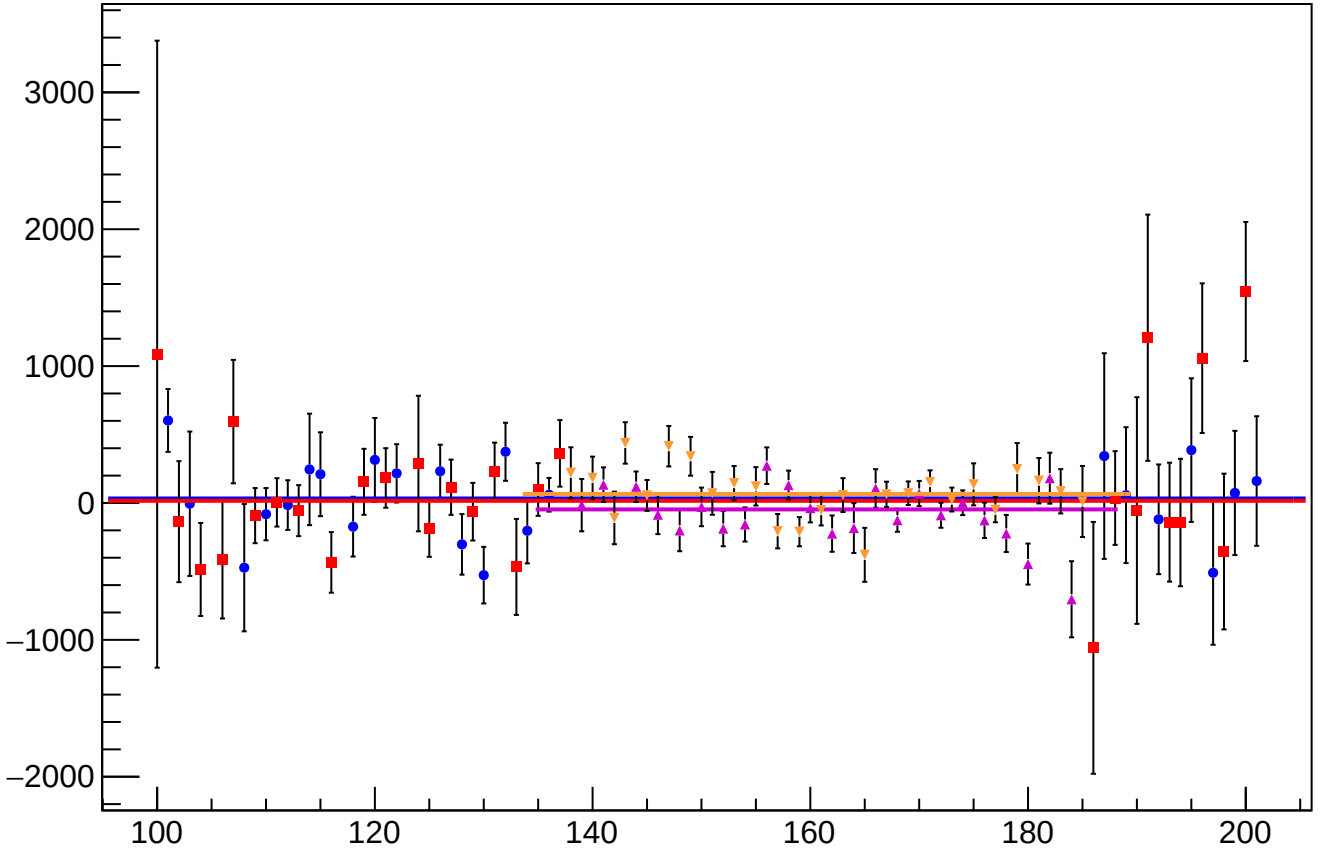
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 900.661+/-0.126 χ^2/NDF: 11852111.9/47

All: 901.872+/-0.090 χ^2/NDF: 25001152.1/98

- sign 903.110+/-0.127 χ^2/NDF: 13148853.6/50

dit_asym_sam3_mean vs Slug



Right In: 32.836+/-52.681 χ^2/NDF: 27.1/22

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 15.861+/-53.414 χ^2/NDF: 34.0/27

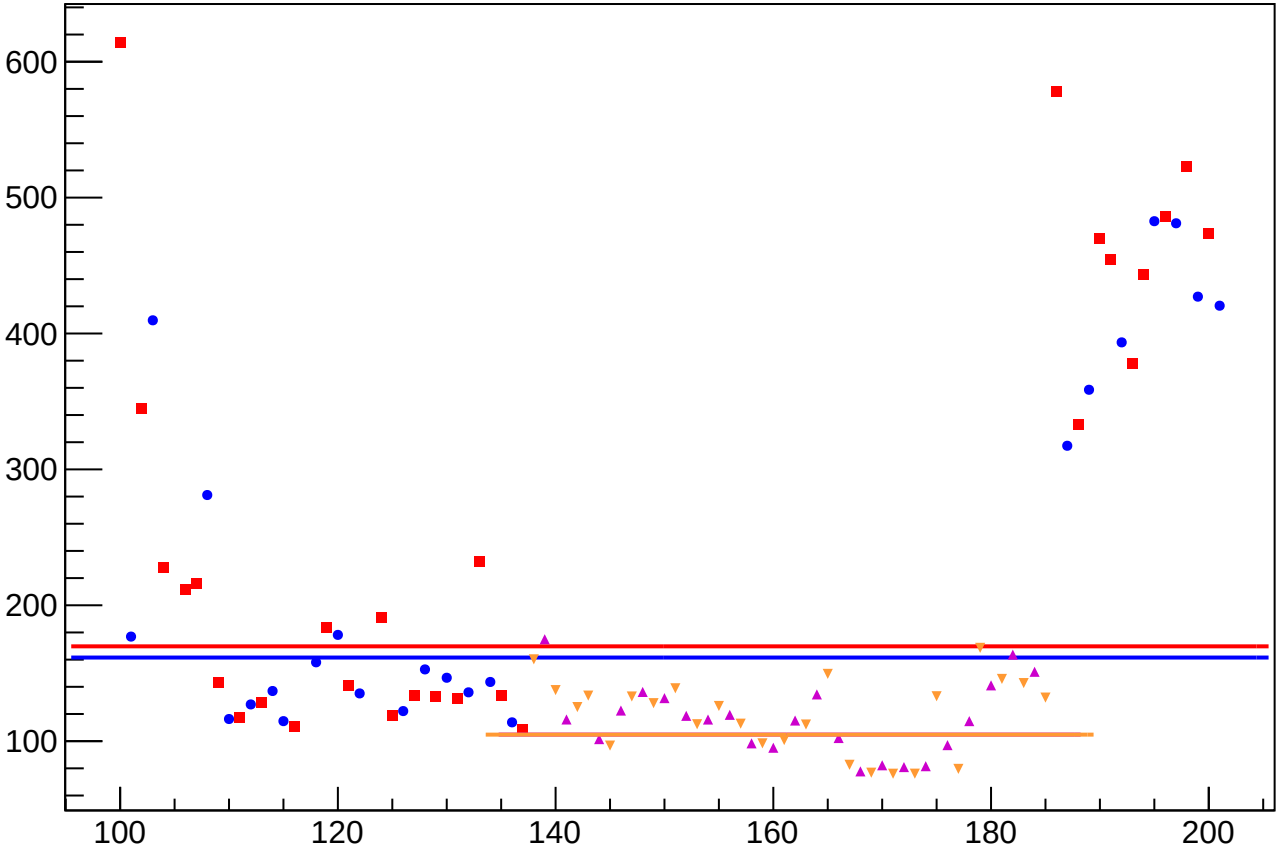
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 59.638+/-22.630 χ^2/NDF: 67.4/47

All: 13.301+/-16.184 χ^2/NDF: 149.7/98

- sign -35.218+/-23.156 χ^2/NDF: 73.7/50

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: 169.781+/-0.038 χ^2/NDF: 6174864.8/27

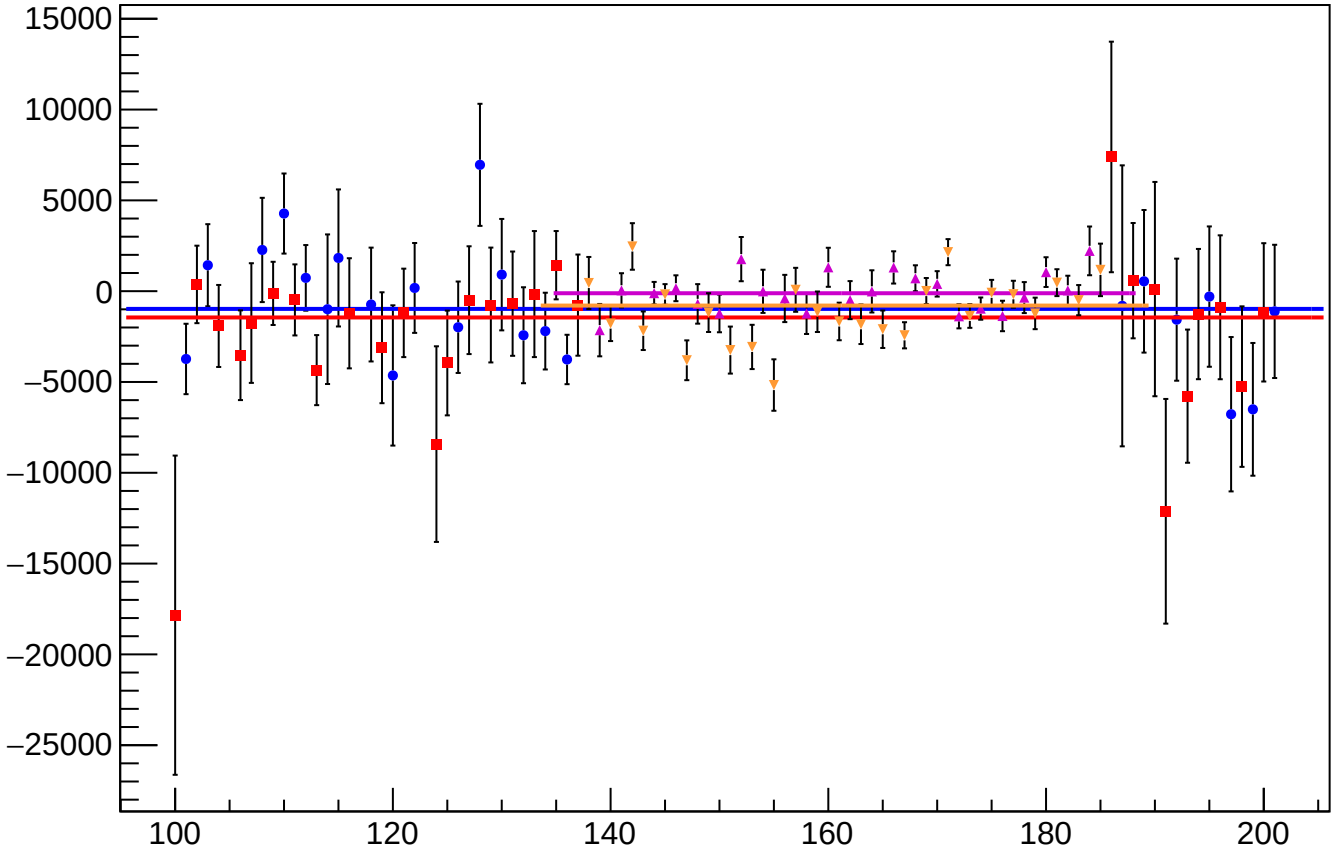
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 115.277+/-0.016 χ^2/NDF: 9272813.7/47

All: 116.138+/-0.011 χ^2/NDF: 19469222.7/98

- sign 117.040+/-0.016 χ^2/NDF: 10190475.8/50

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: -1447.564+/-540.040 χ^2/NDF: 21.1/27

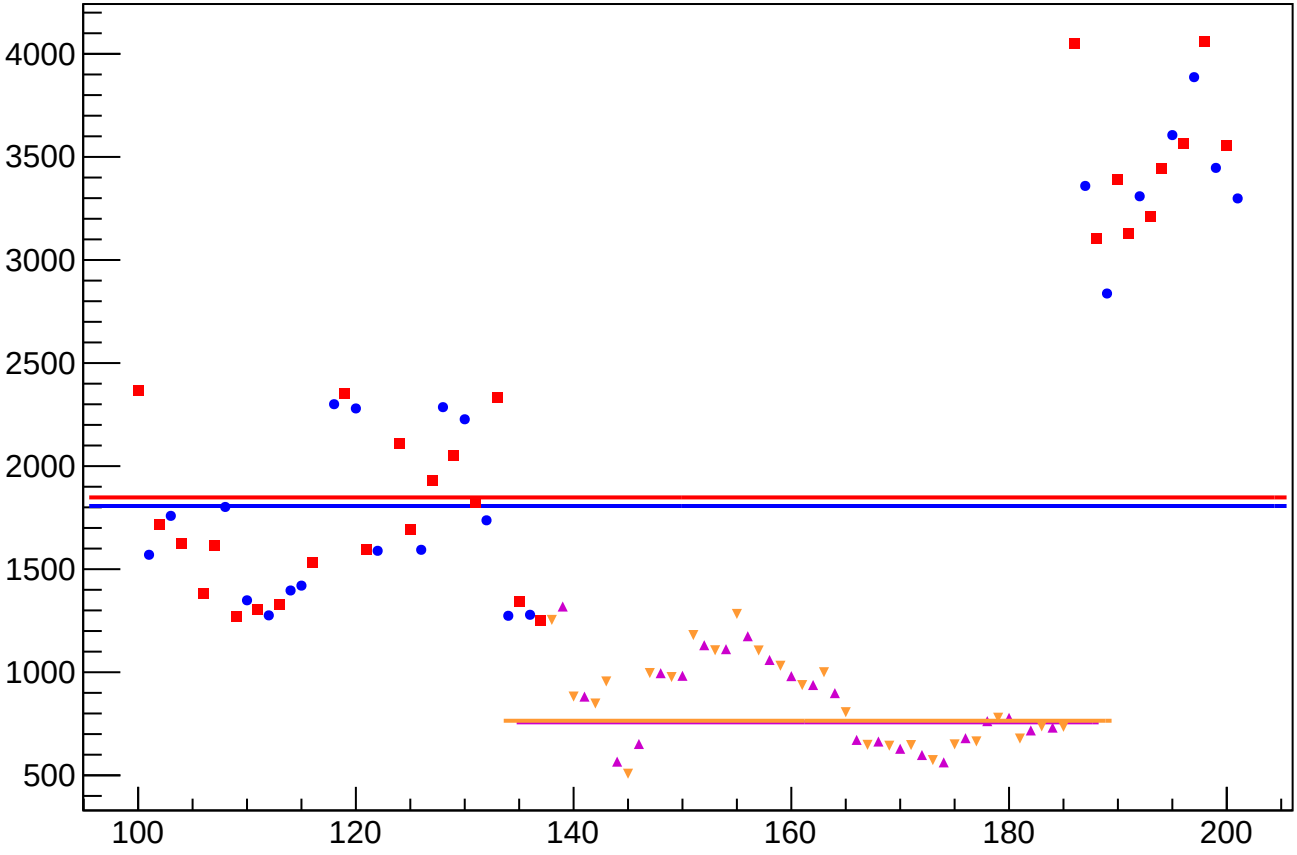
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -810.508+/-171.101 χ^2/NDF: 98.1/47

All: -534.649+/-121.800 χ^2/NDF: 156.3/98

- sign -251.241+/-173.426 χ^2/NDF: 52.9/50

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: 1848.196+/-0.382 χ^2/NDF: 3756389.4/27

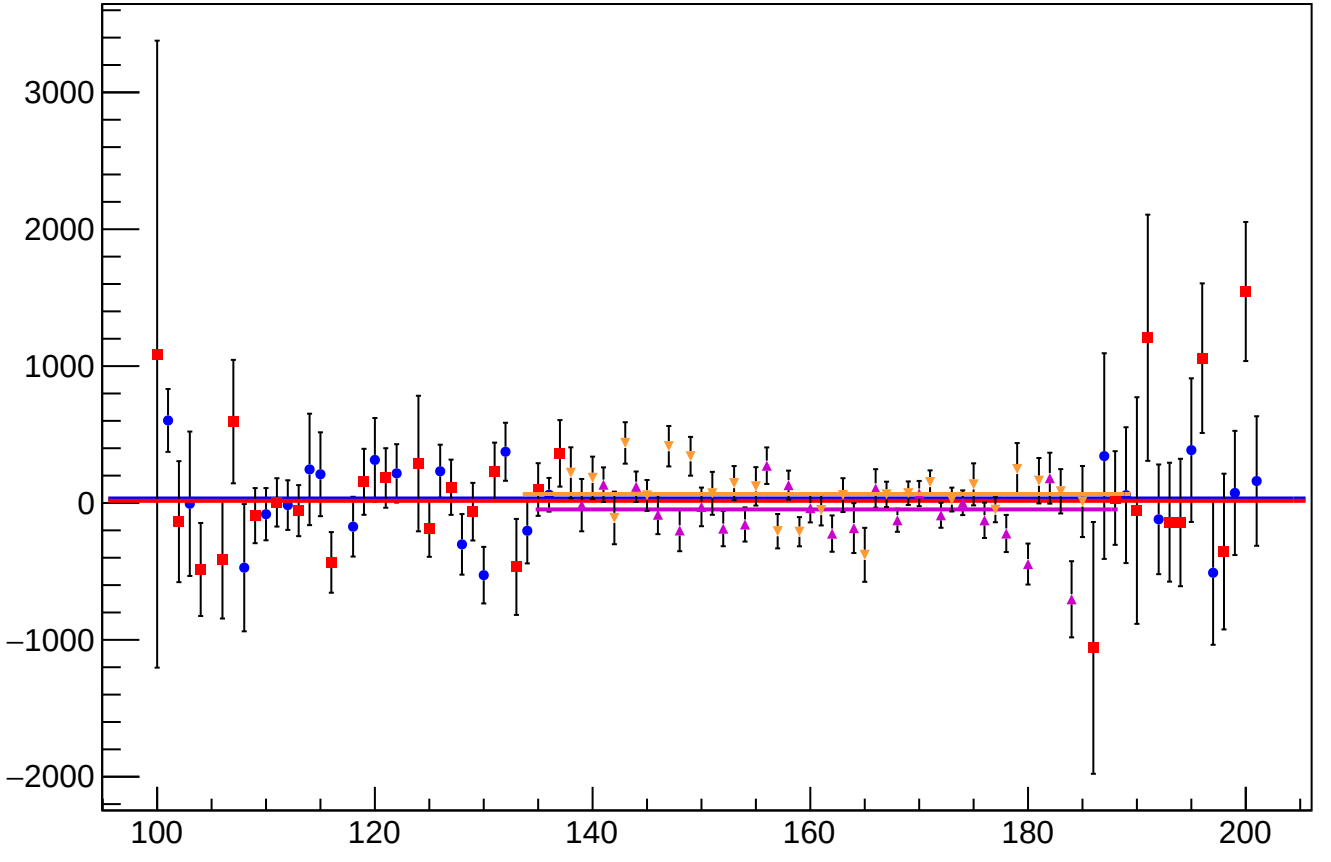
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 864.119+/-0.121 χ^2/NDF: 12036645.5/47

All: 866.757+/-0.086 χ^2/NDF: 25233686.1/98

- sign 869.467+/-0.123 χ^2/NDF: 13196076.9/50

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: 15.865+/-53.414 χ^2/NDF: 34.0/27

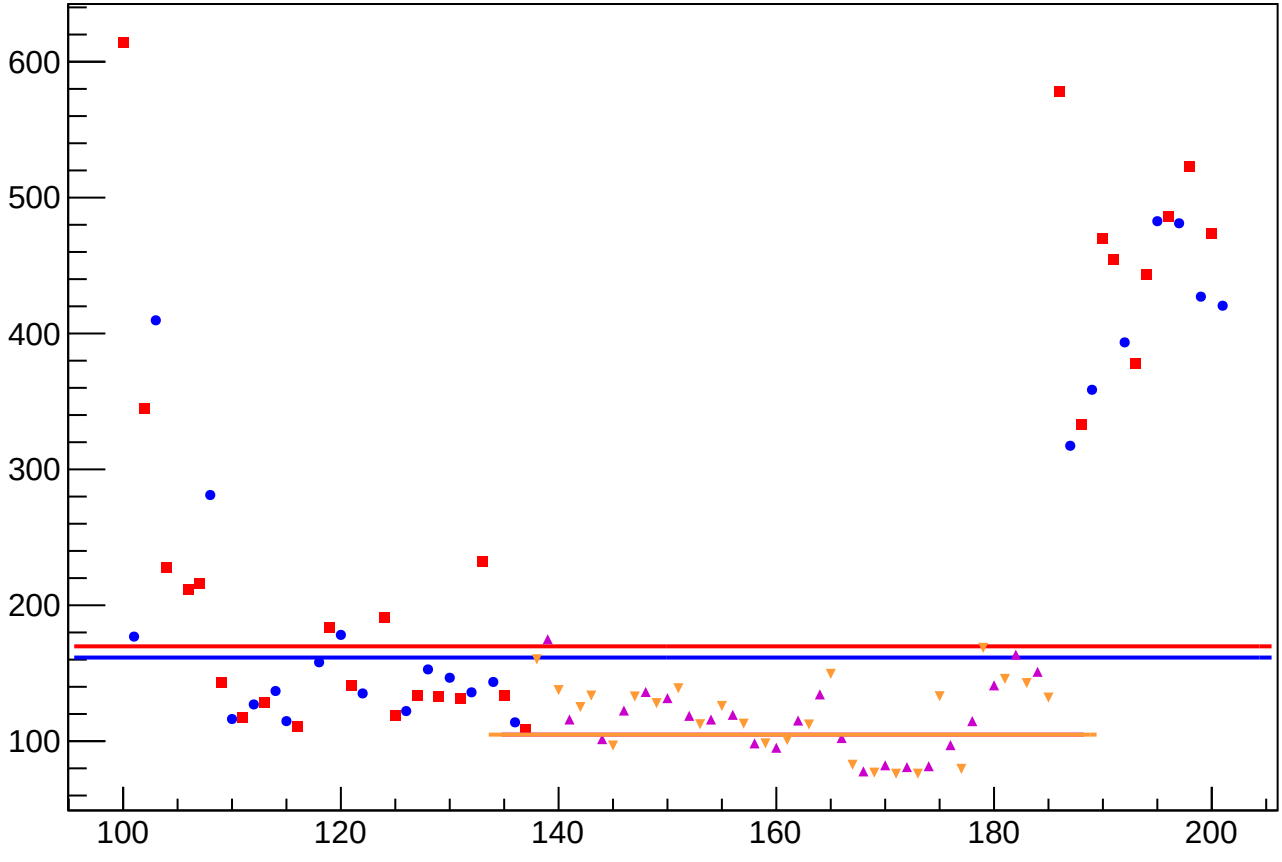
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 59.638+/-22.630 χ^2/NDF: 67.4/47

All: 13.302+/-16.184 χ^2/NDF: 149.7/98

- sign -35.216+/-23.156 χ^2/NDF: 73.7/50

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

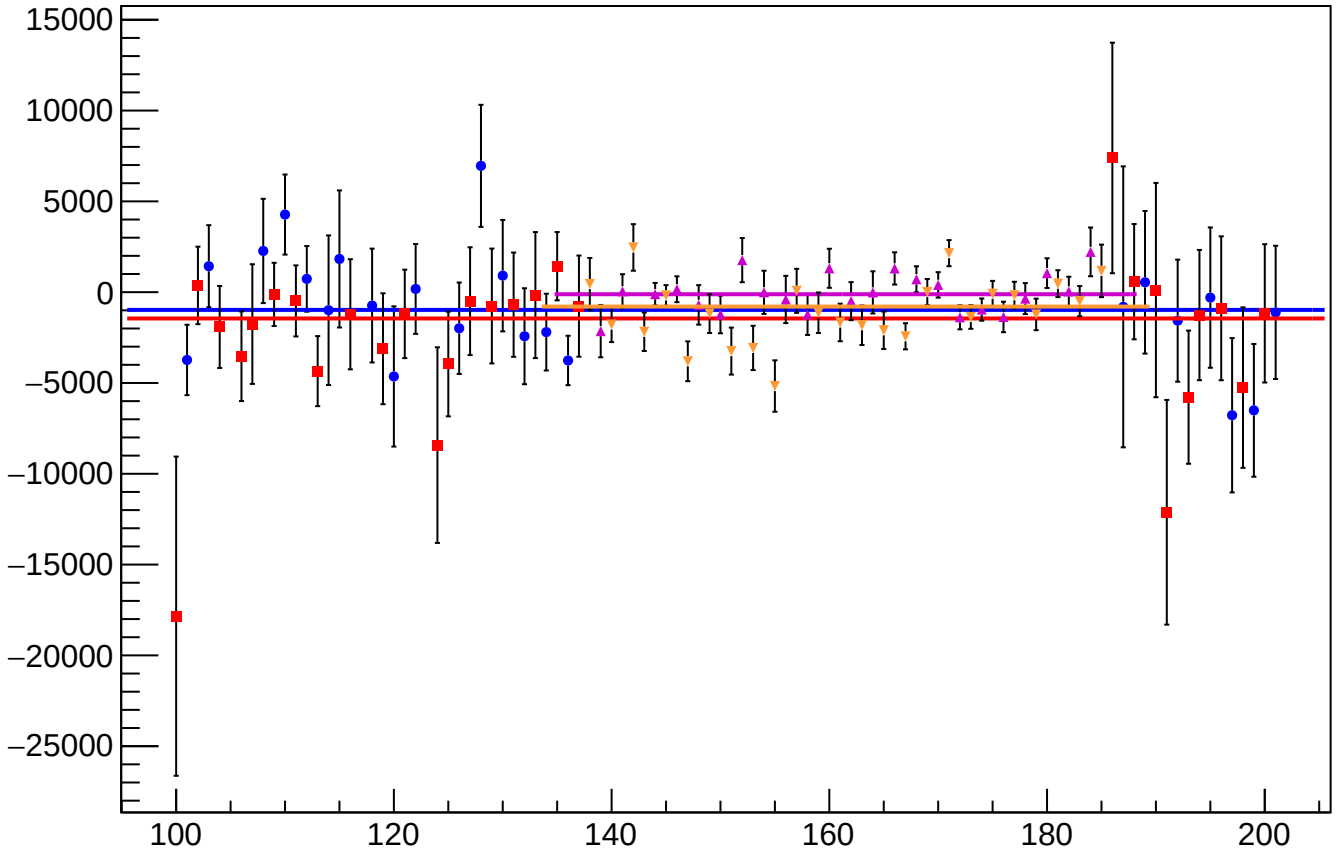
Right Out: 169.782+/-0.038 χ^2/NDF: 6174857.3/27

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 115.277+/-0.016 χ^2/NDF: 9272822.8/47

All: 116.139+/-0.011 χ^2/NDF: 19469238.6/98

- sign 117.041+/-0.016 χ^2/NDF: 10190482.7/50



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: -1447.563+/-540.039 χ^2/NDF: 21.1/27

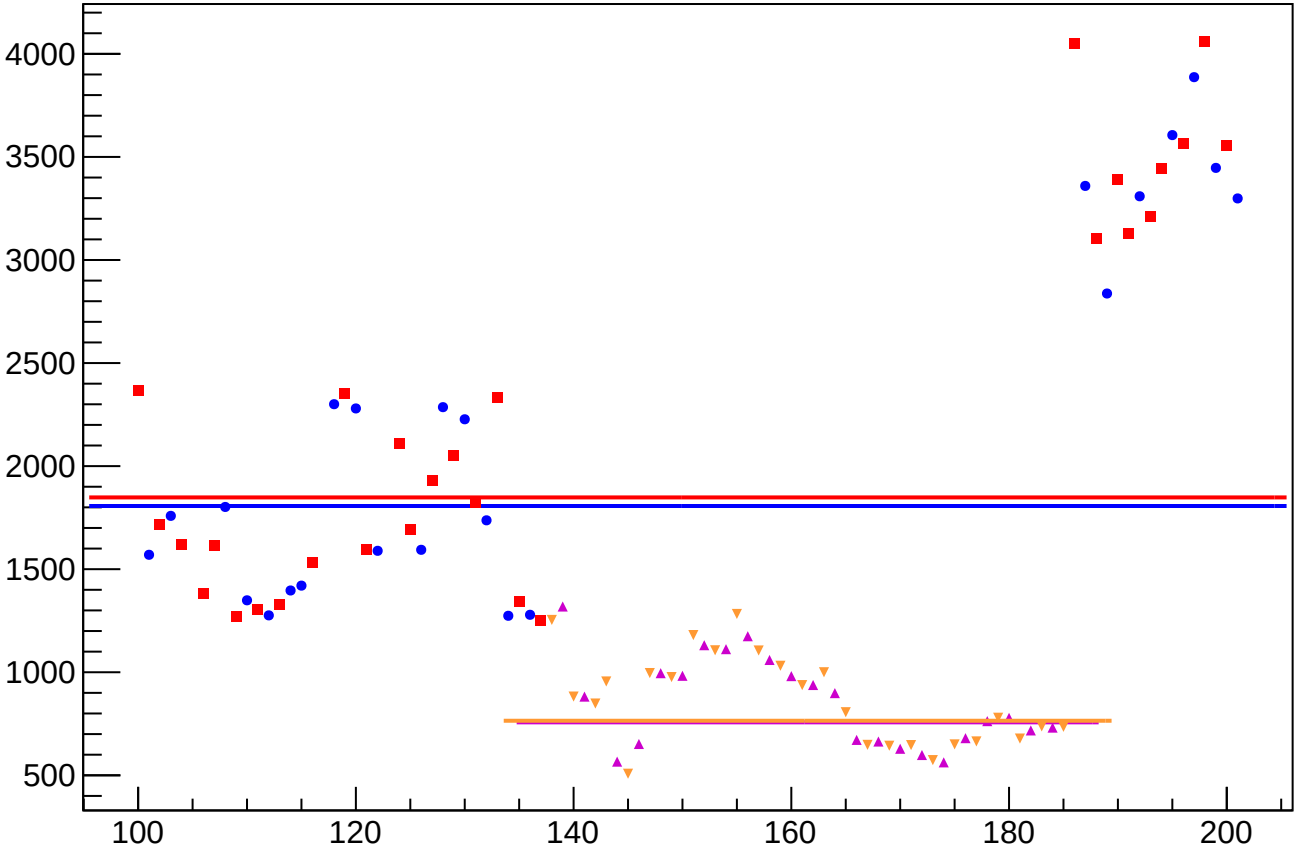
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

\+ sign -810.508+/-171.101 χ^2/NDF: 98.1/47

All: -534.649+/-121.800 χ^2/NDF: 156.3/98

\- sign -251.241+/-173.426 χ^2/NDF: 52.9/50

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: 1848.193+/-0.382 χ^2/NDF: 3756389.9/27

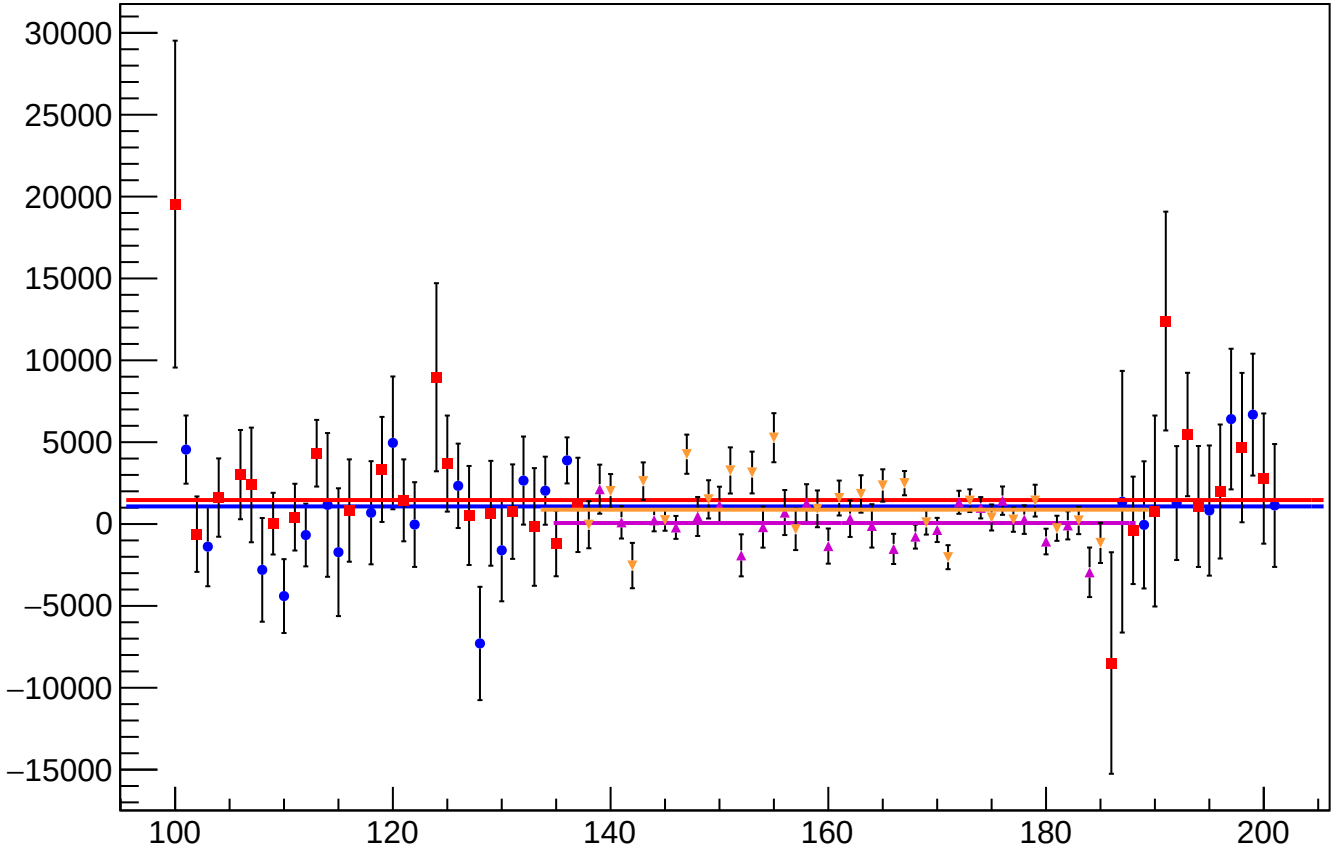
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 864.119+/-0.121 χ^2/NDF: 12036634.9/47

All: 866.756+/-0.086 χ^2/NDF: 25233664.6/98

- sign 869.466+/-0.123 χ^2/NDF: 13196066.1/50

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: 1465.172+/-566.786 χ^2/NDF: 19.1/27

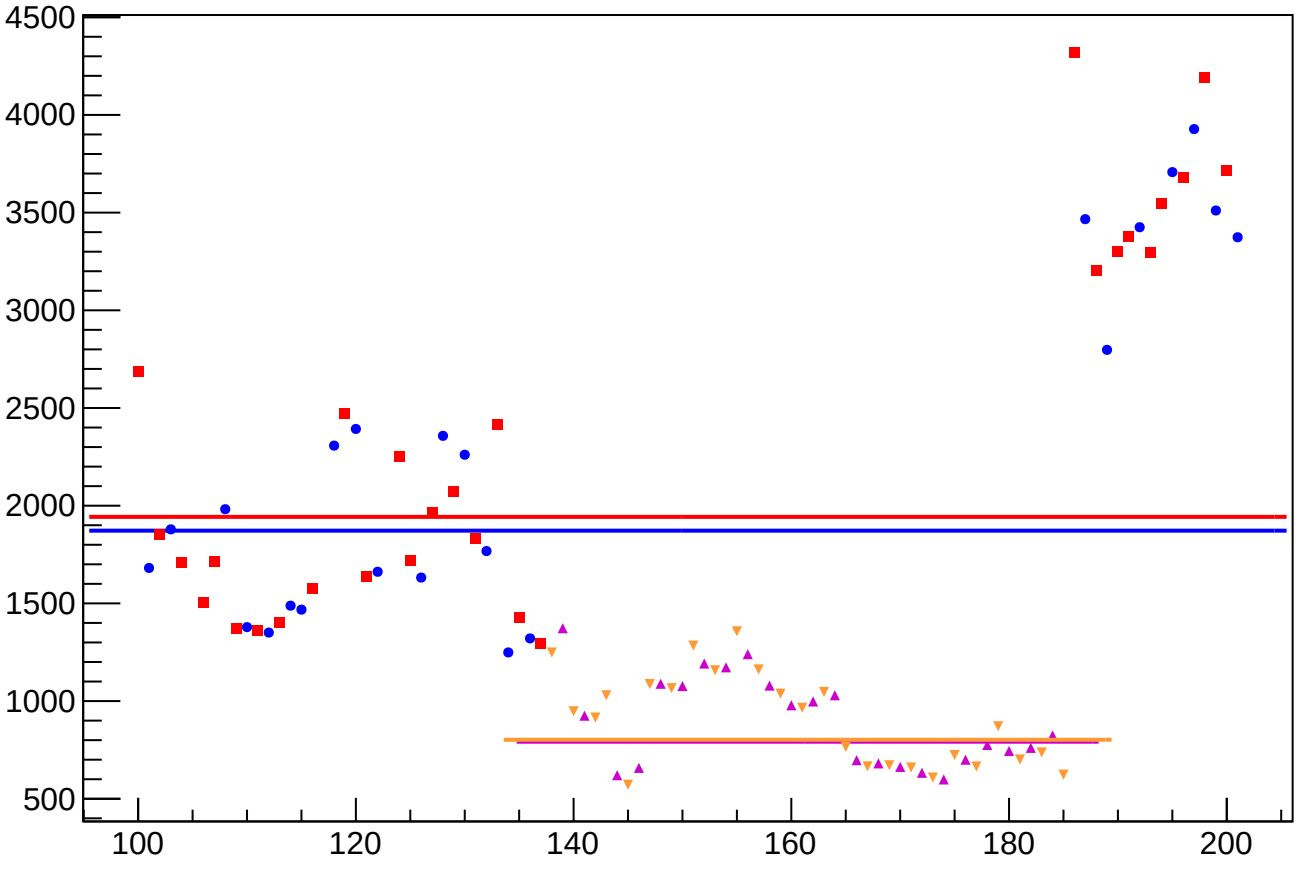
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 896.023+/-179.512 χ^2/NDF: 96.3/47

All: 555.108+/-127.633 χ^2/NDF: 155.3/98

- sign 206.575+/-181.506 χ^2/NDF: 51.7/50

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: 1942.836+/-0.401 χ^2/NDF: 3606416.2/27

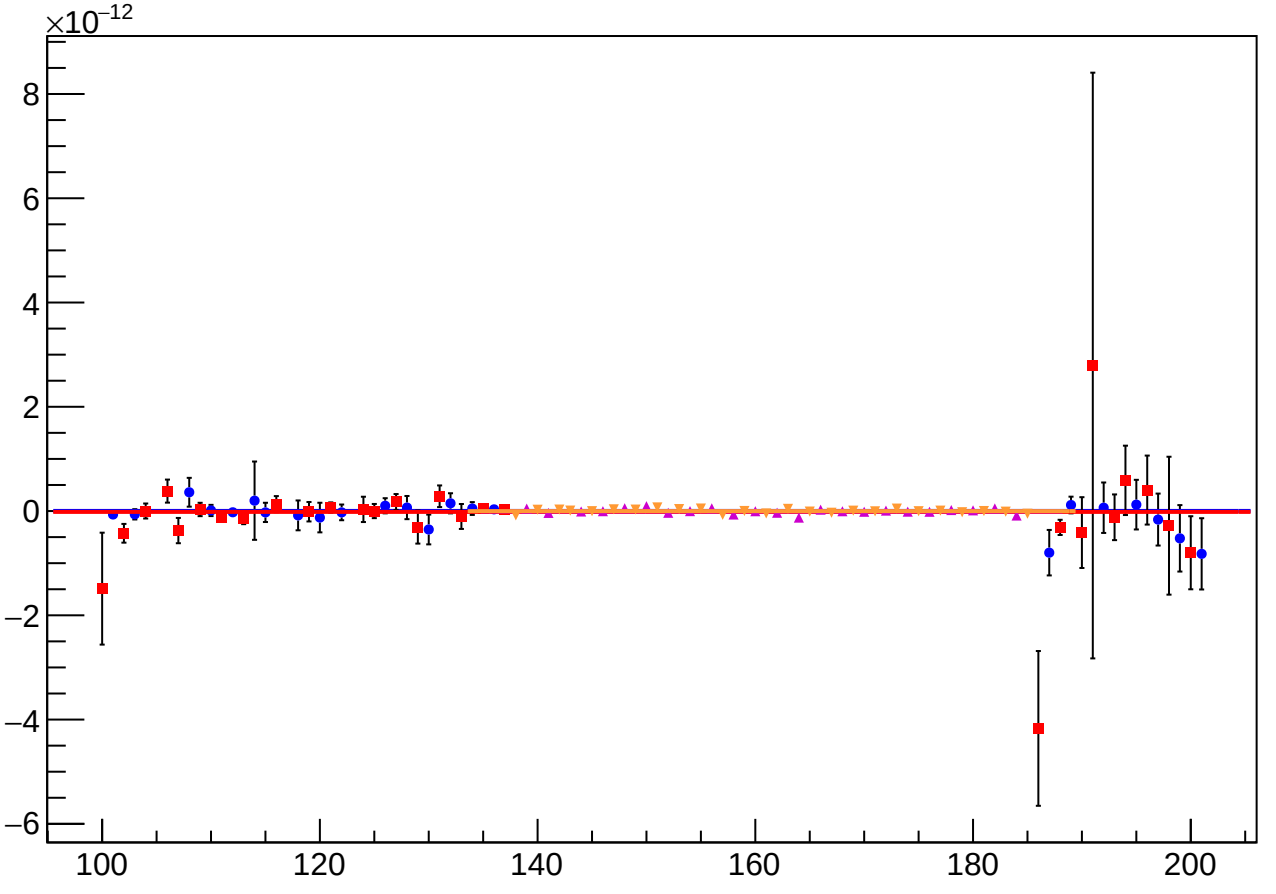
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 906.749+/-0.127 χ^2/NDF: 11818482.0/47

All: 908.394+/-0.090 χ^2/NDF: 24959974.2/98

- sign 910.075+/-0.128 χ^2/NDF: 13141152.7/50

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

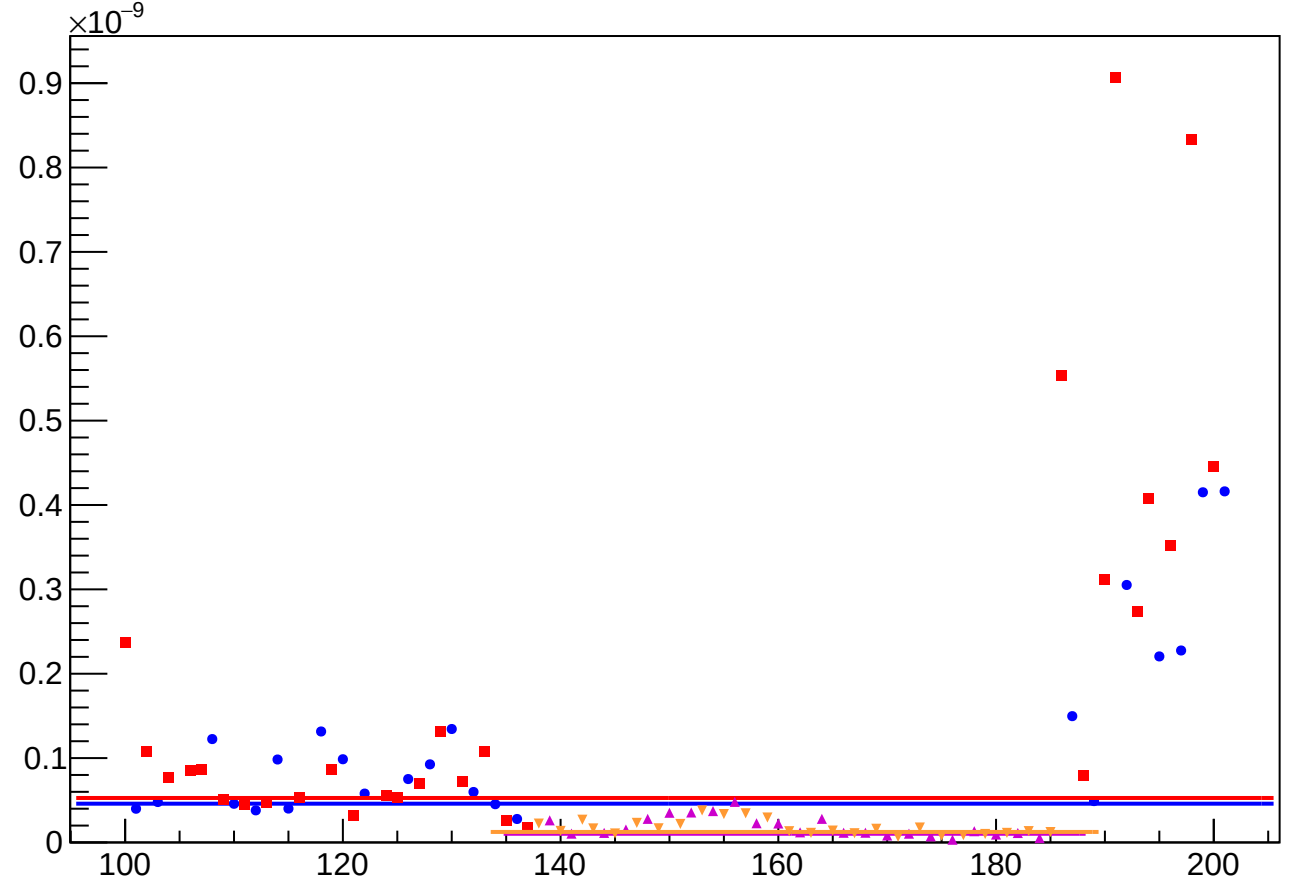
Right Out: -0.000+/-0.000 χ^2/NDF: 38.8/27

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: 108.1/98

- sign -0.000+/-0.000 χ^2/NDF: 70.5/50



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: 4924341.1/27

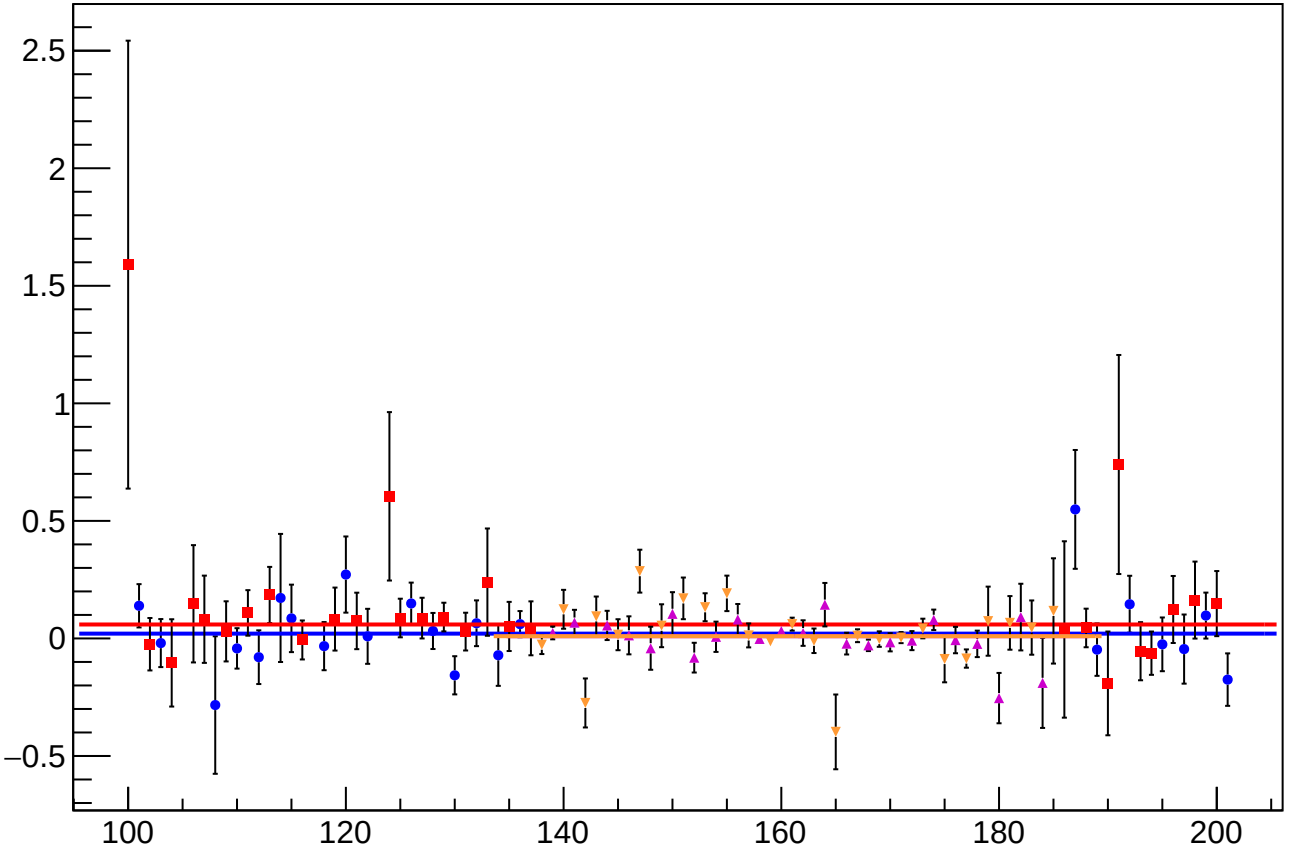
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8909447.2/47

All: 0.000+/-0.000 χ^2/NDF: 21745515.8/98

- sign 0.000+/-0.000 χ^2/NDF: 12631574.0/50

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: 0.059+/-0.022 χ^2/NDF: 16.8/27

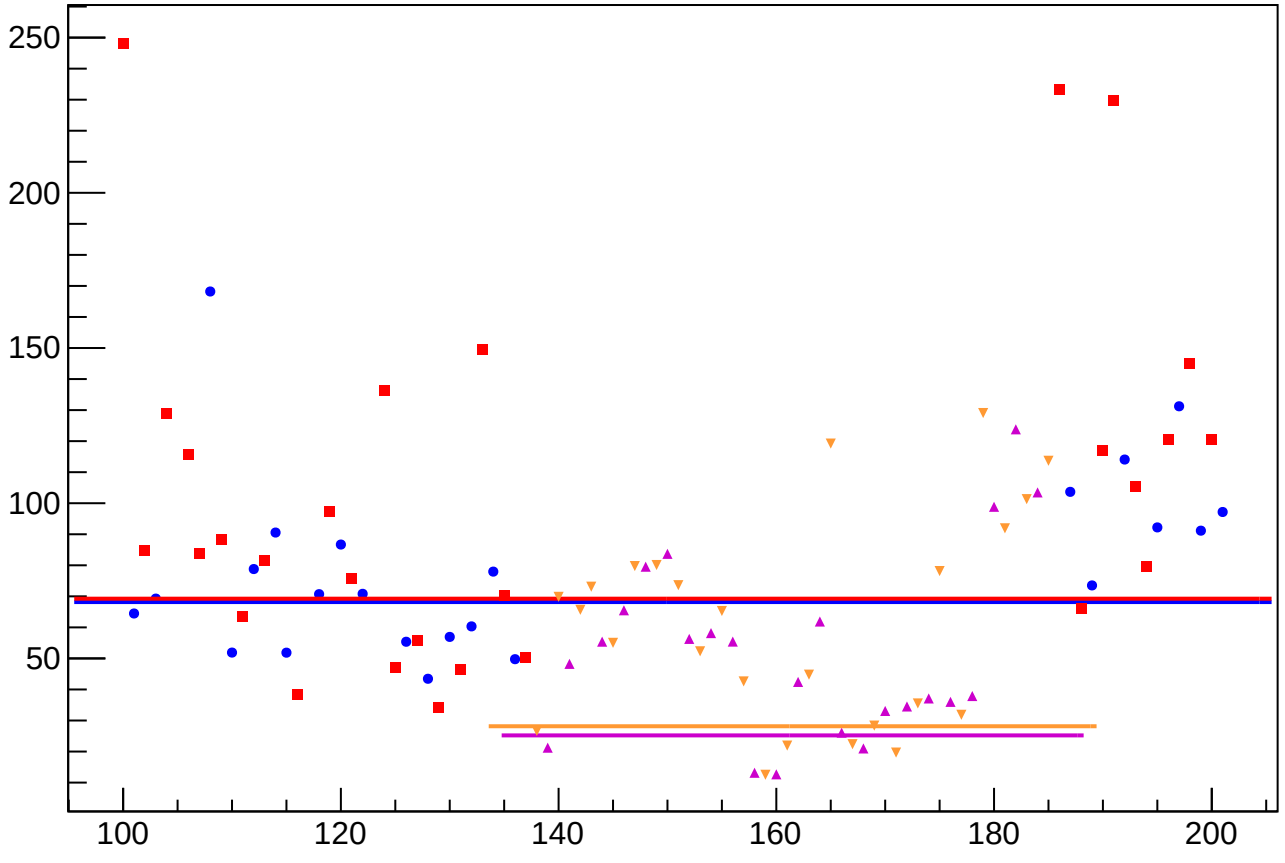
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 80.2/47

All: 0.013+/-0.005 χ^2/NDF: 126.9/98

- sign 0.015+/-0.007 χ^2/NDF: 46.6/50

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: 69.246+/-0.016 χ^2/NDF: 4103069.2/27

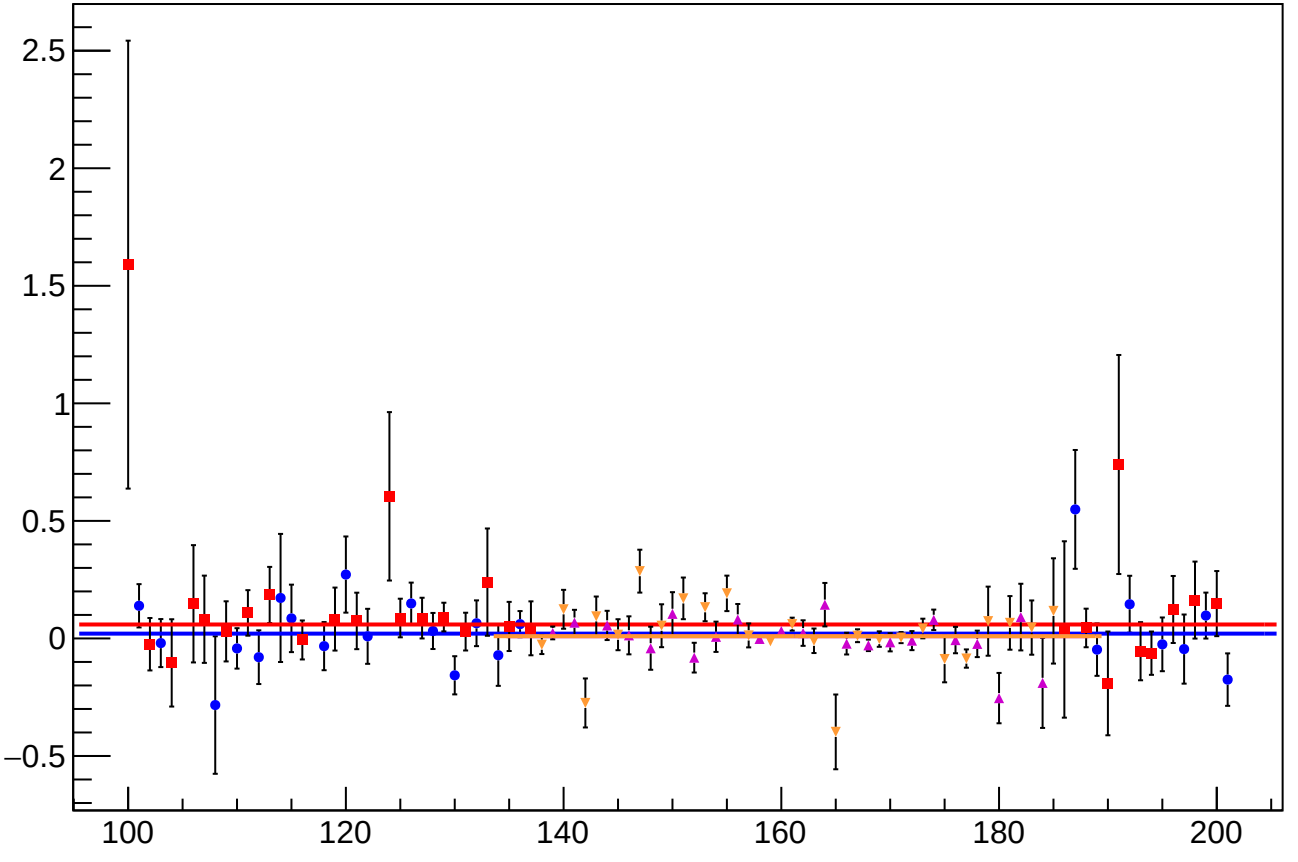
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 33.408+/-0.006 χ^2/NDF: 18910797.9/47

All: 31.750+/-0.004 χ^2/NDF: 40244997.9/98

- sign 30.267+/-0.005 χ^2/NDF: 21166481.3/50

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: 0.059+/-0.022 χ^2/NDF: 16.8/27

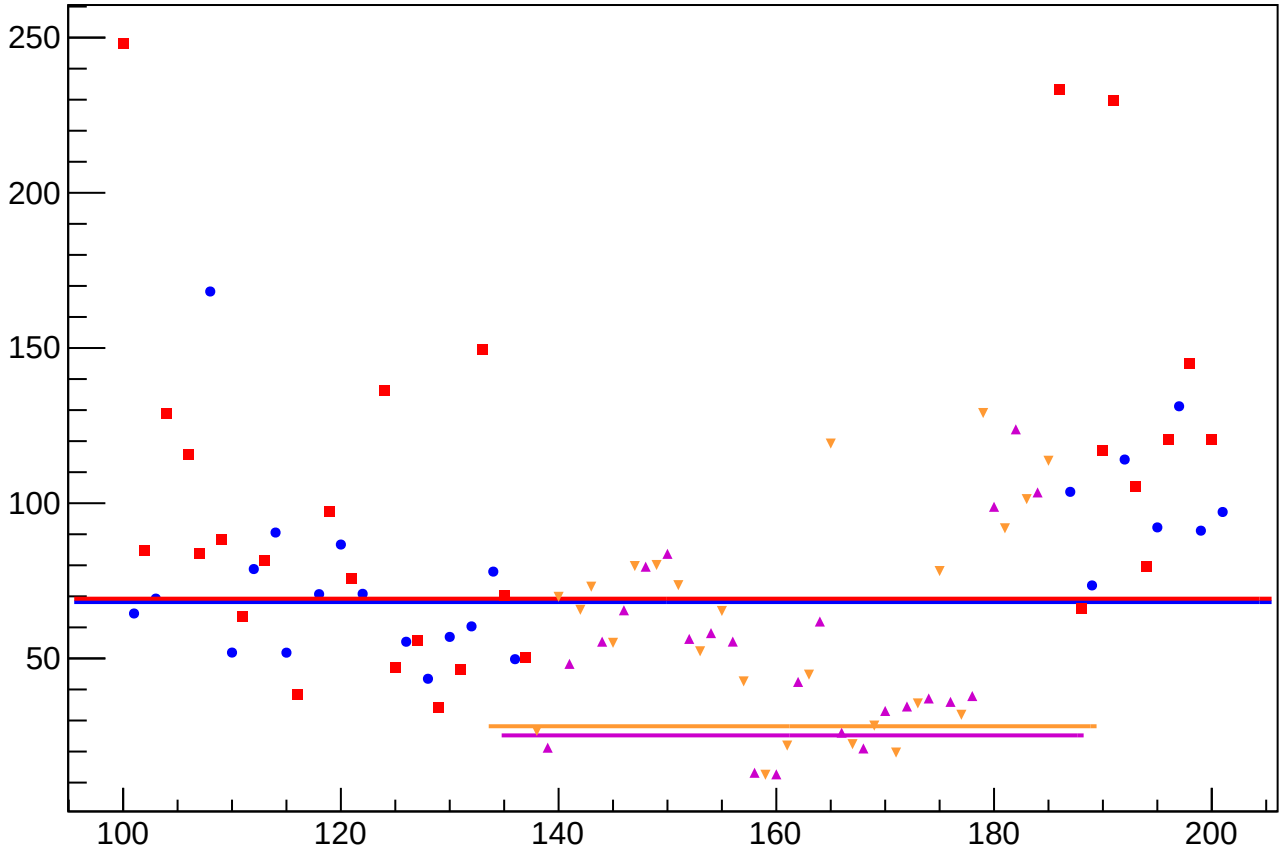
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 80.2/47

All: 0.013+/-0.005 χ^2/NDF: 126.9/98

- sign 0.015+/-0.007 χ^2/NDF: 46.6/50

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

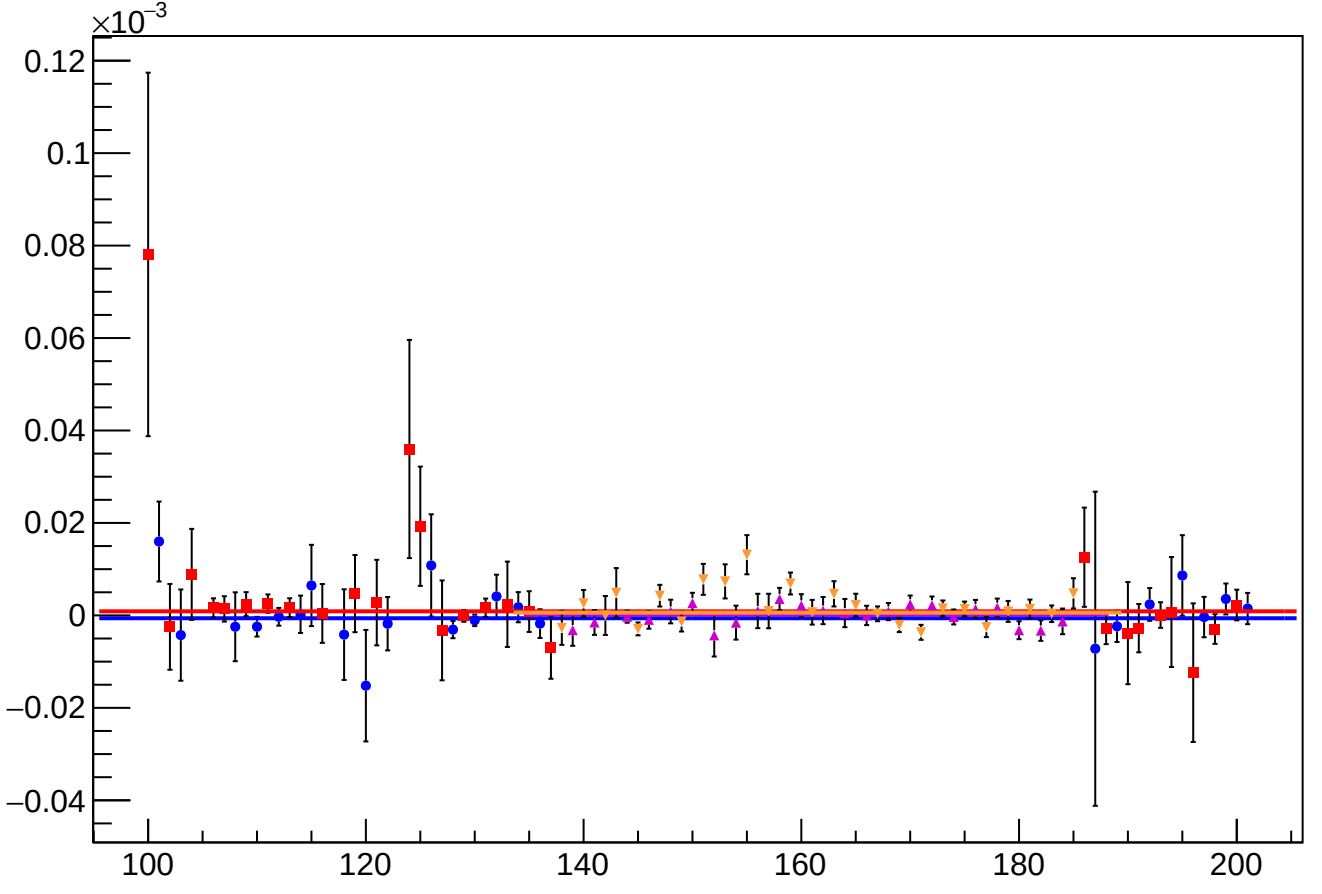
Right Out: 69.246+/-0.016 χ^2/NDF: 4103069.2/27

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 33.408+/-0.006 χ^2/NDF: 18910797.9/47

All: 31.750+/-0.004 χ^2/NDF: 40244997.9/98

- sign 30.267+/-0.005 χ^2/NDF: 21166481.3/50



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: 18.4/27

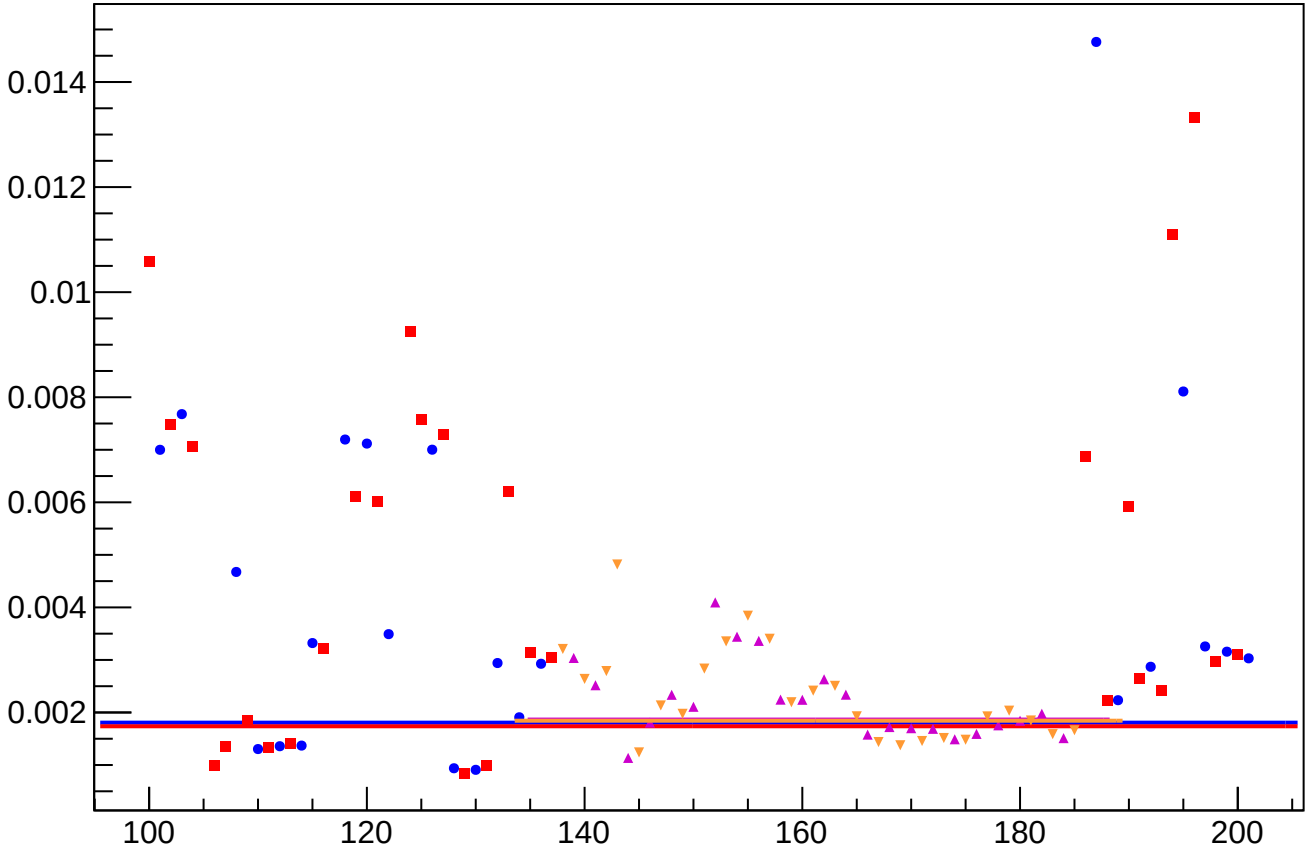
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.3/47

All: 0.000+/-0.000 χ^2/NDF: 106.1/98

- sign 0.000+/-0.000 χ^2/NDF: 35.6/50

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: 10183686.4/27

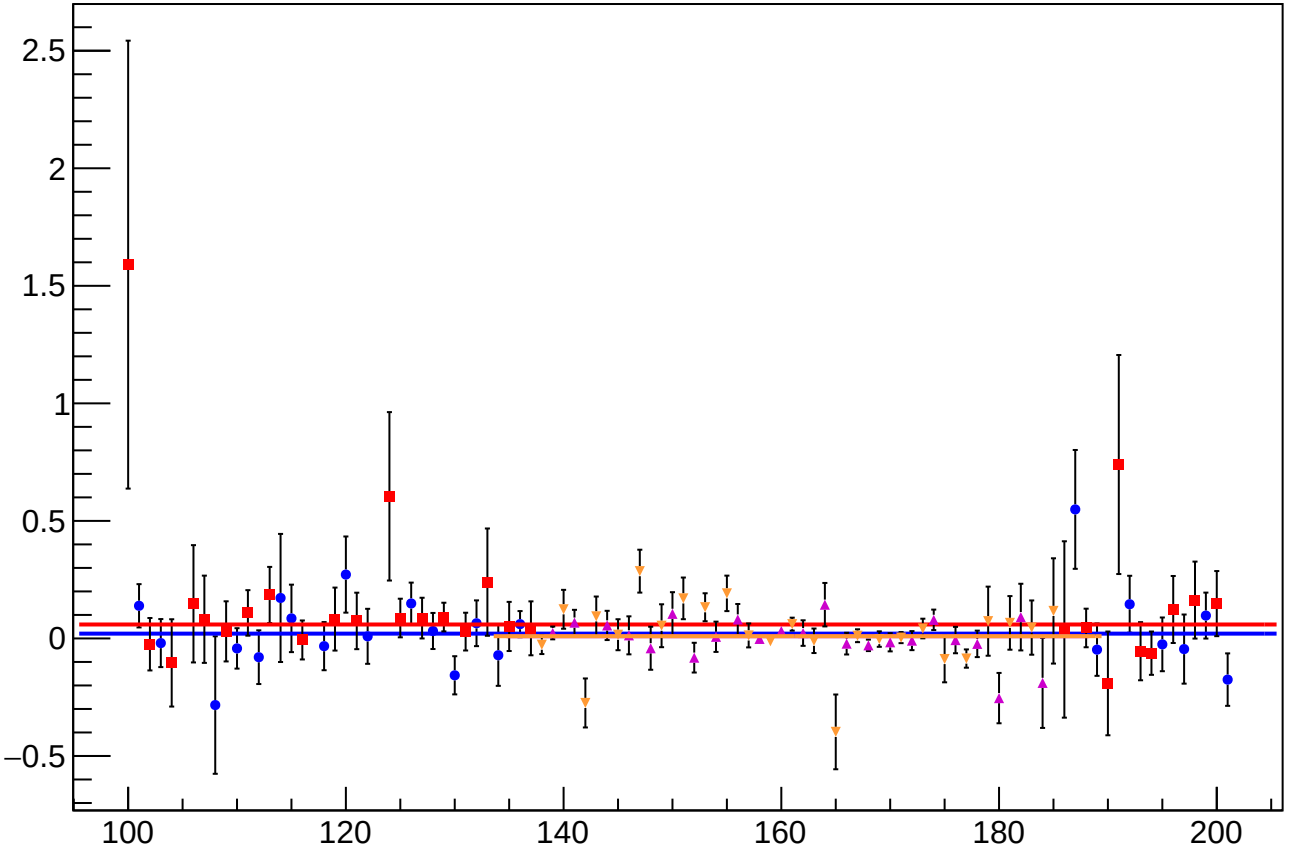
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 11621756.0/47

All: 0.002+/-0.000 χ^2/NDF: 24654416.6/98

- sign 0.002+/-0.000 χ^2/NDF: 13031731.7/50

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: 0.059+/-0.022 χ^2/NDF: 16.8/27

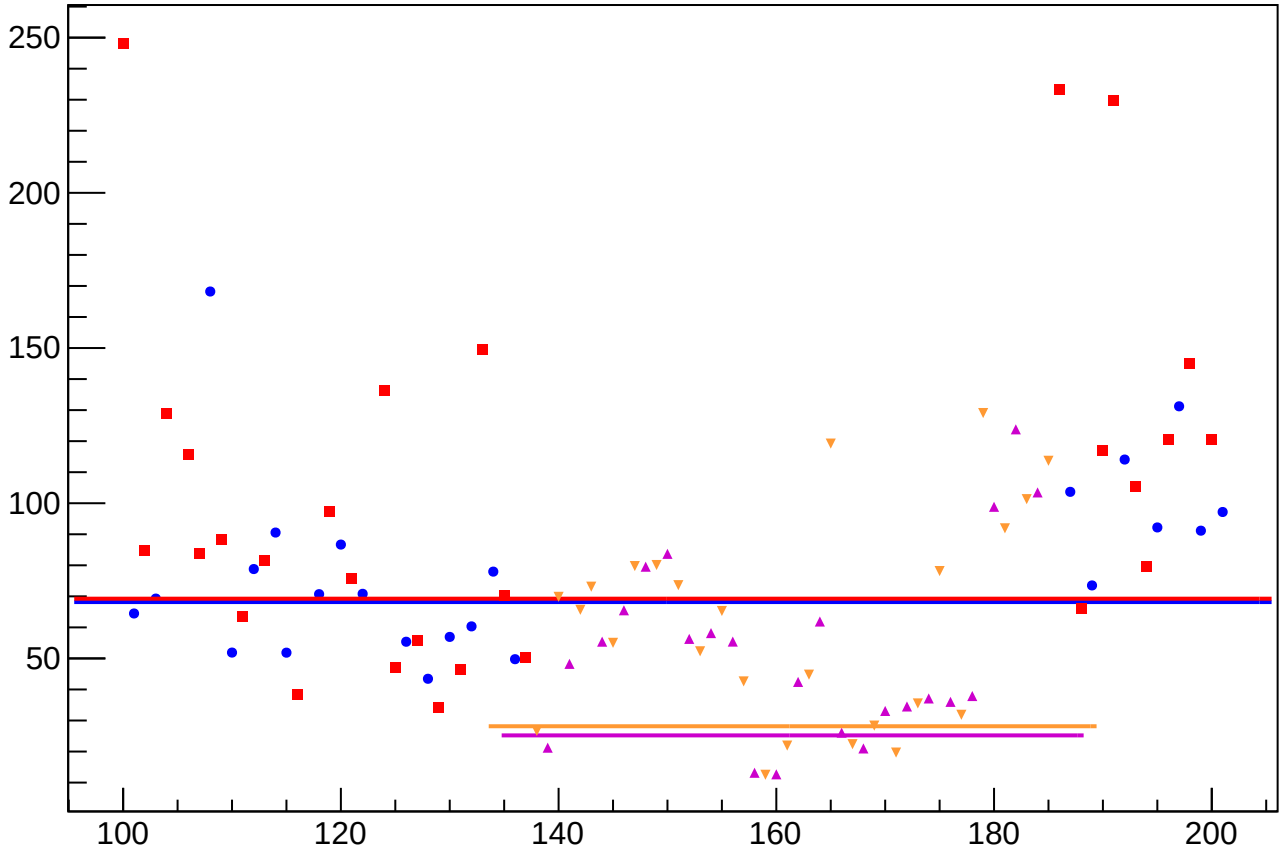
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 80.2/47

All: 0.013+/-0.005 χ^2/NDF: 126.9/98

- sign 0.015+/-0.007 χ^2/NDF: 46.6/50

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: 69.248+/-0.016 χ^2/NDF: 4103084.2/27

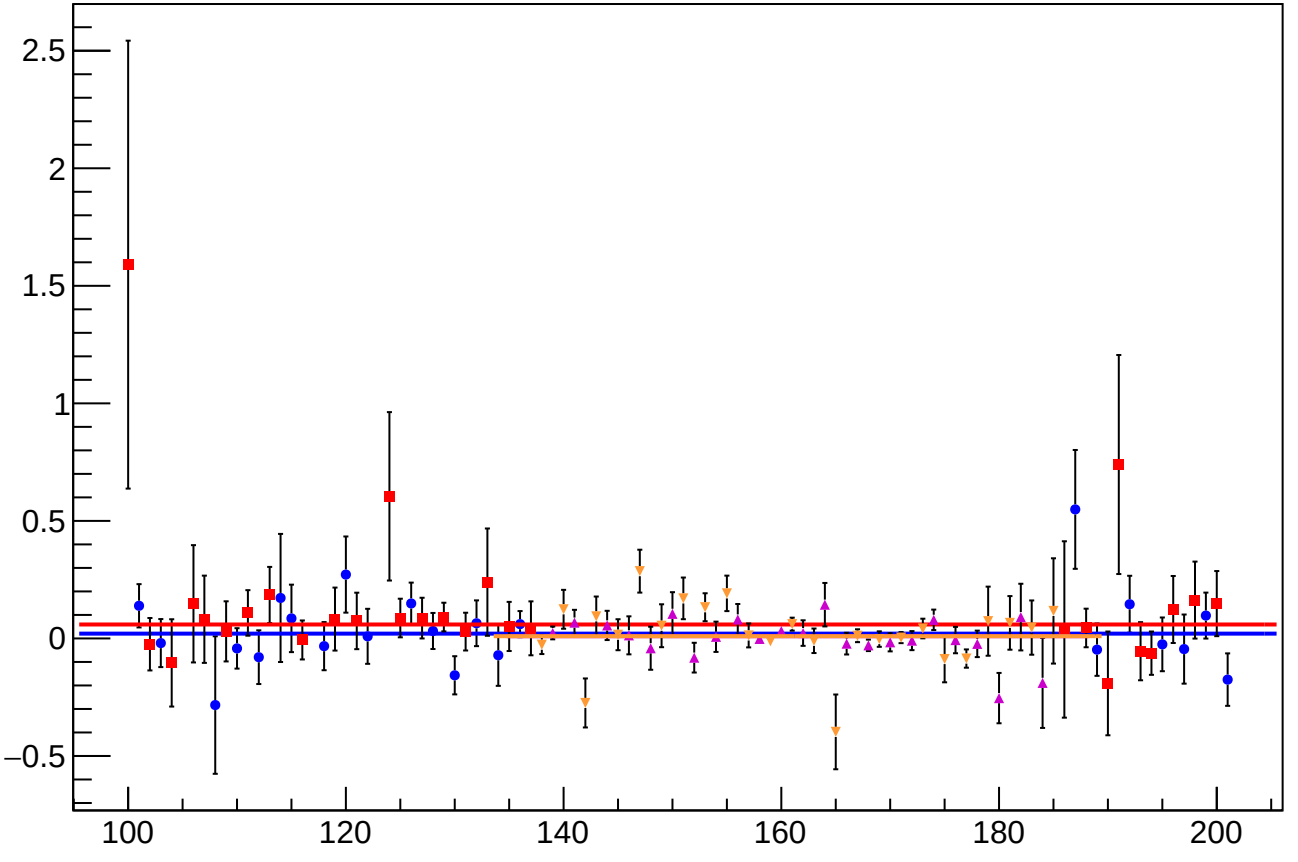
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 33.407+/-0.006 χ^2/NDF: 18912295.2/47

All: 31.749+/-0.004 χ^2/NDF: 40247228.0/98

\- sign 30.266+/-0.005 χ^2/NDF: 21167303.9/50

asym_sam3_eigen_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: 0.059+/-0.022 χ^2/NDF: 16.8/27

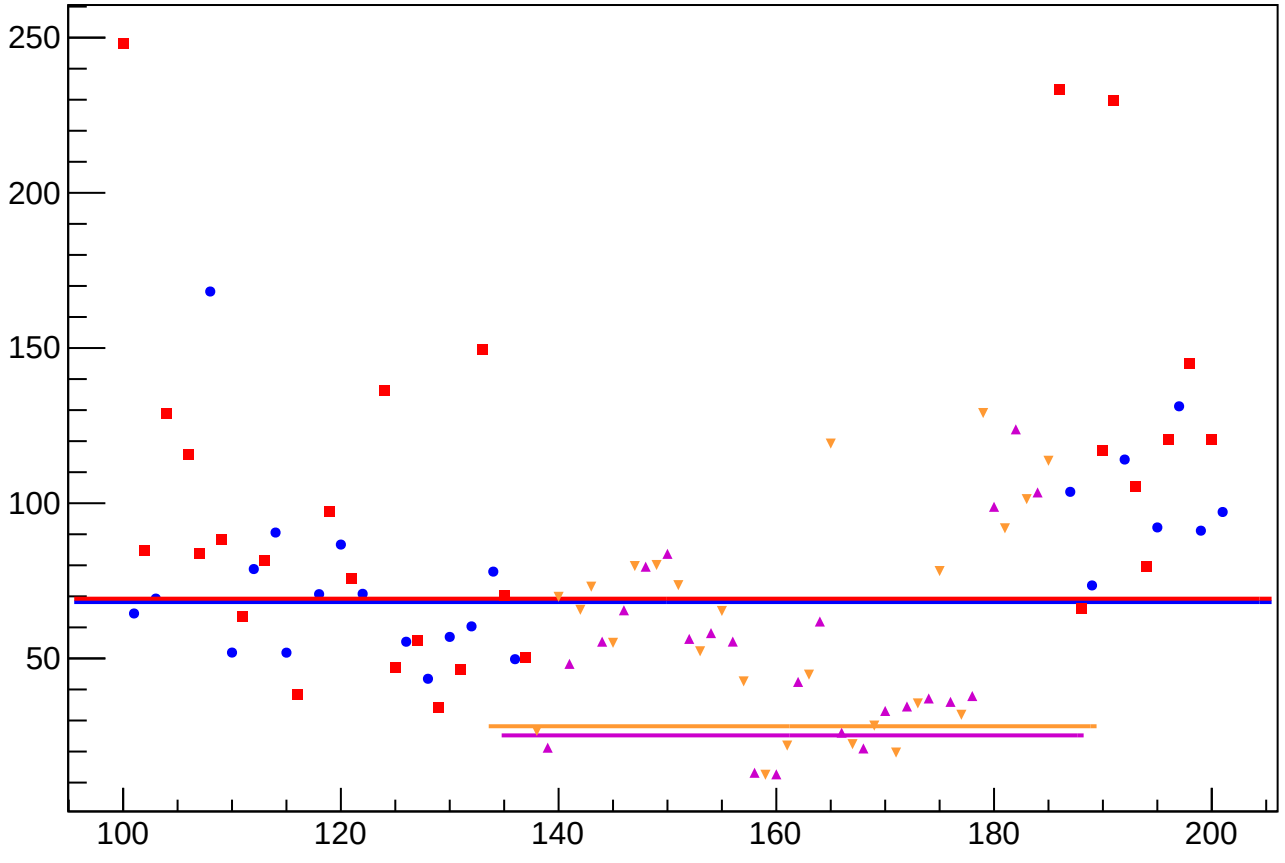
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 80.2/47

All: 0.013+/-0.005 χ^2/NDF: 126.9/98

- sign 0.015+/-0.007 χ^2/NDF: 46.6/50

asym_sam3_eigen_dit_vs_eigen_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: 69.248+/-0.016 χ^2/NDF: 4103084.2/27

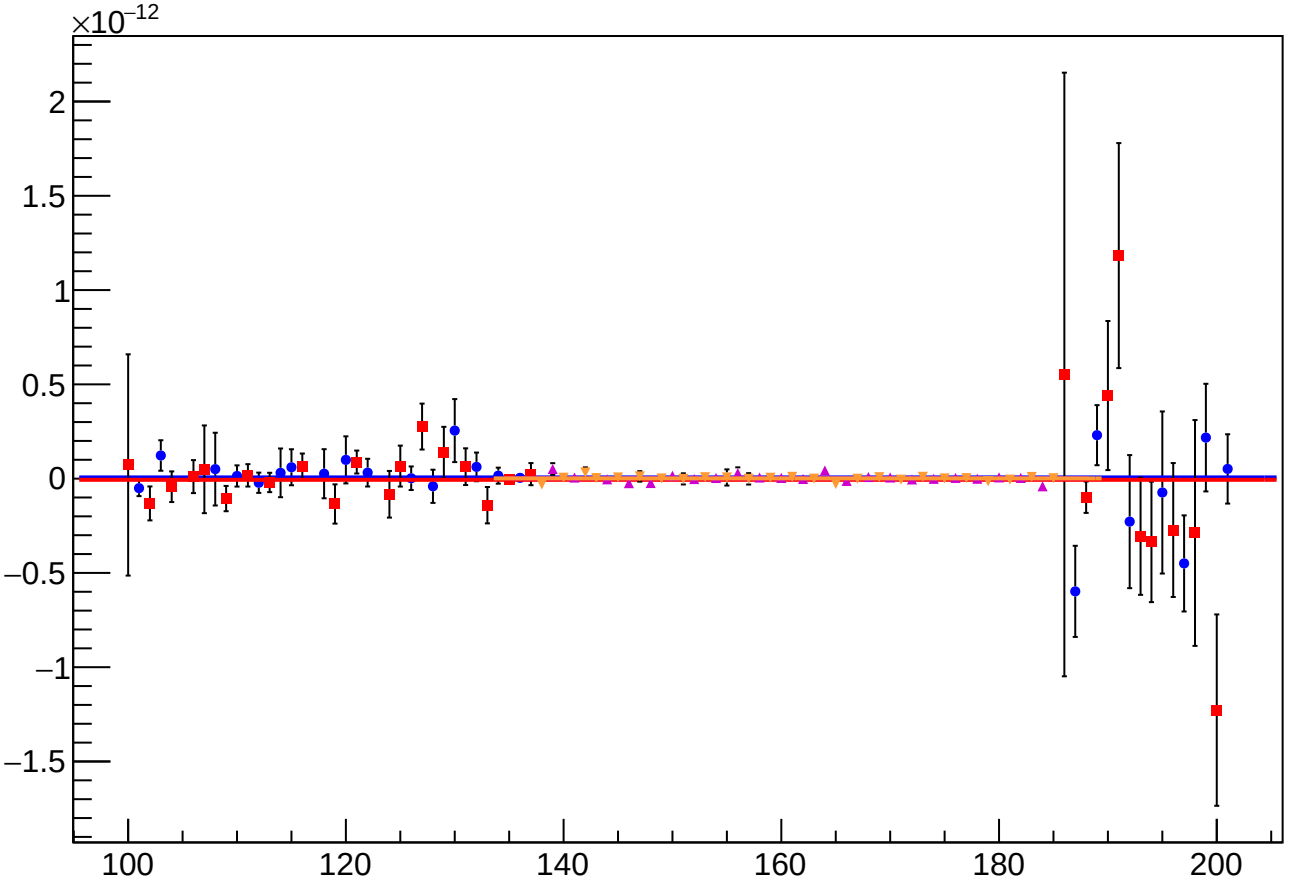
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 33.407+/-0.006 χ^2/NDF: 18912295.2/47

All: 31.749+/-0.004 χ^2/NDF: 40247228.0/98

\- sign 30.266+/-0.005 χ^2/NDF: 21167303.9/50

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

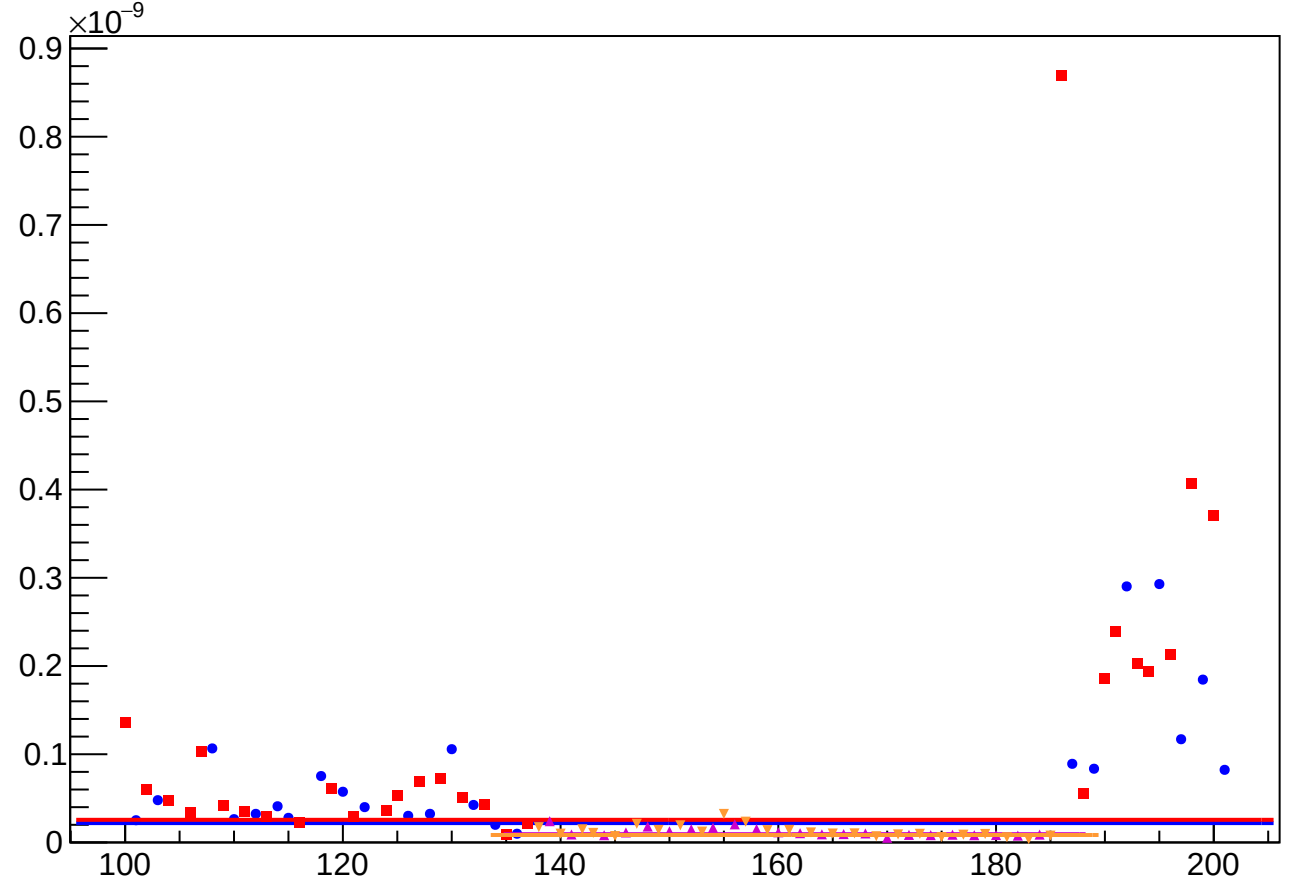
Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/27

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: 88.5/98

- sign 0.000+/-0.000 χ^2/NDF: 56.1/50



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: 8495153.2/27

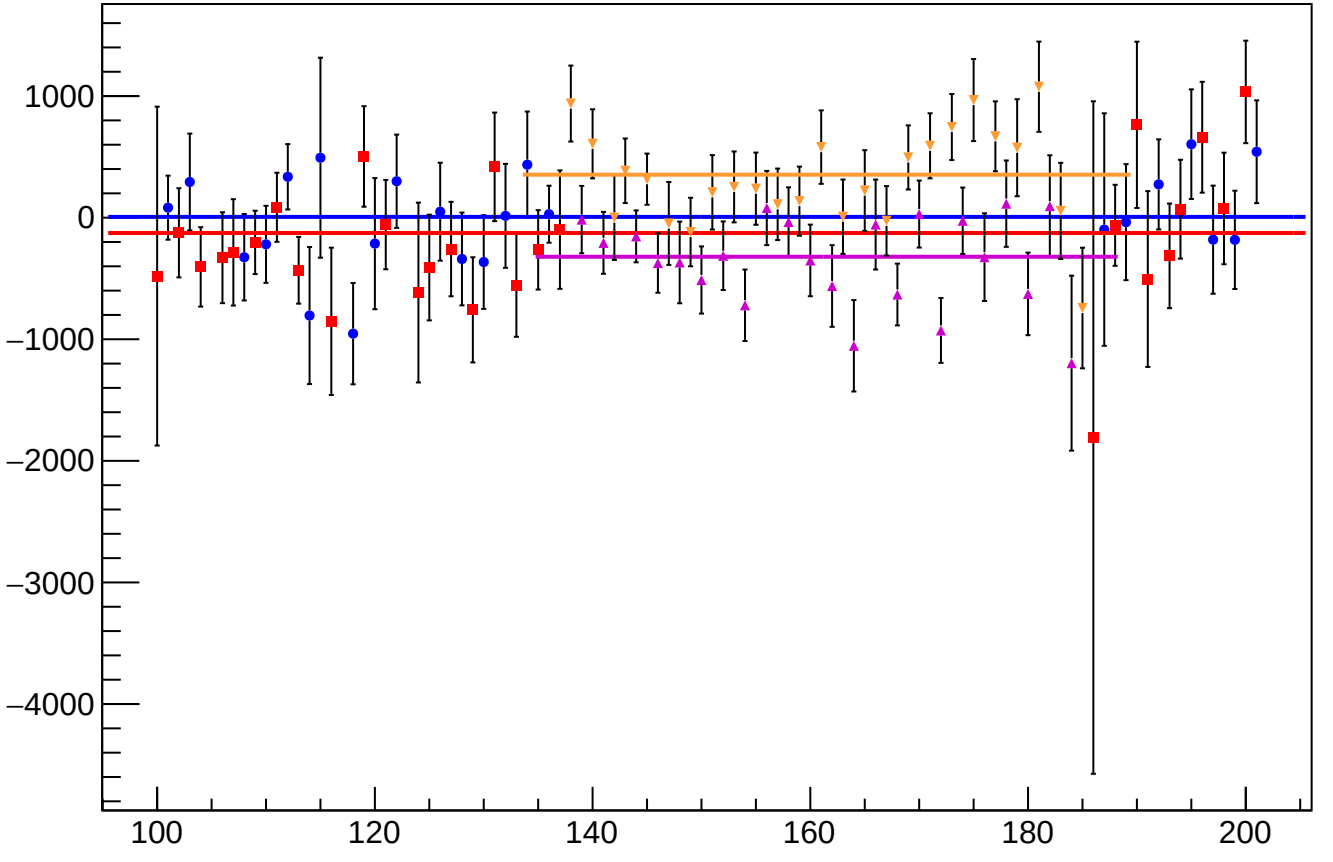
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13444754.4/47

All: 0.000+/-0.000 χ^2/NDF: 27079948.2/98

- sign 0.000+/-0.000 χ^2/NDF: 13498771.5/50

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: -125.904+/-76.864 χ^2/NDF: 26.3/27

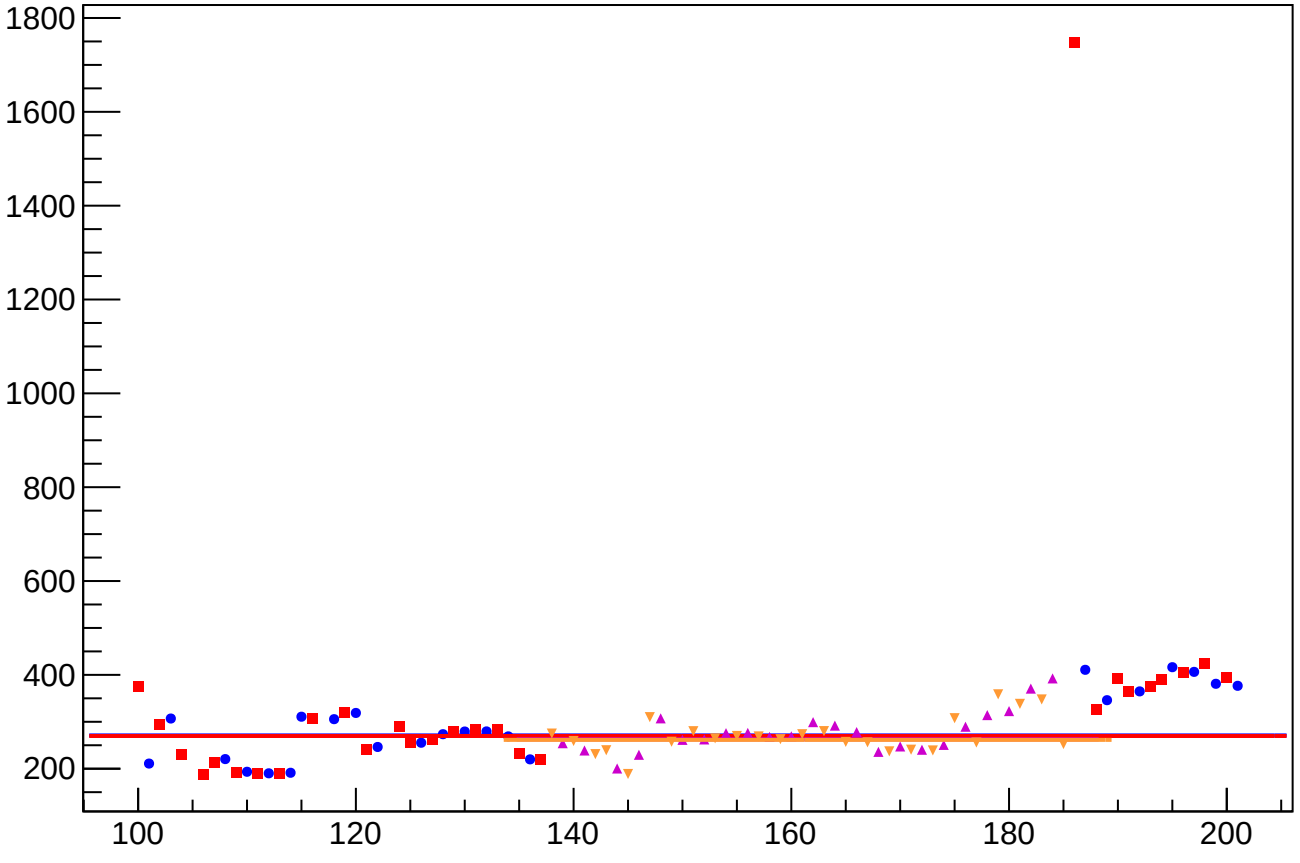
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 228.254+/-48.077 χ^2/NDF: 63.4/47

All: -6.844+/-34.078 χ^2/NDF: 167.8/98

- sign -244.237+/-48.311 χ^2/NDF: 56.4/50

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: 269.762+/-0.054 χ^2/NDF: 2391402.8/27

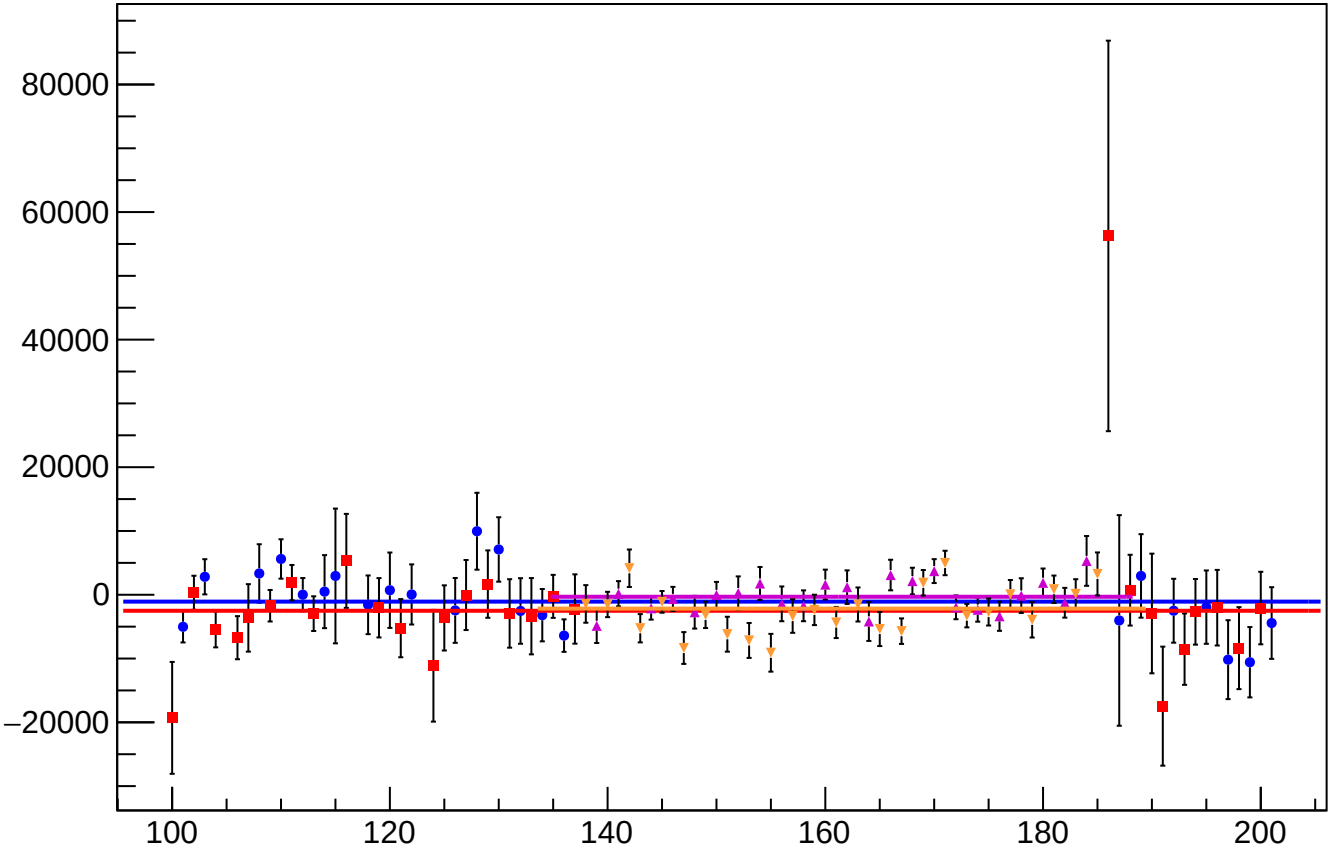
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 264.883+/-0.034 χ^2/NDF: 2263469.0/47

All: 265.160+/-0.024 χ^2/NDF: 5336108.4/98

- sign 265.439+/-0.034 χ^2/NDF: 3072506.4/50

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: -2509.987+/-827.461 χ^2/NDF: 22.6/27

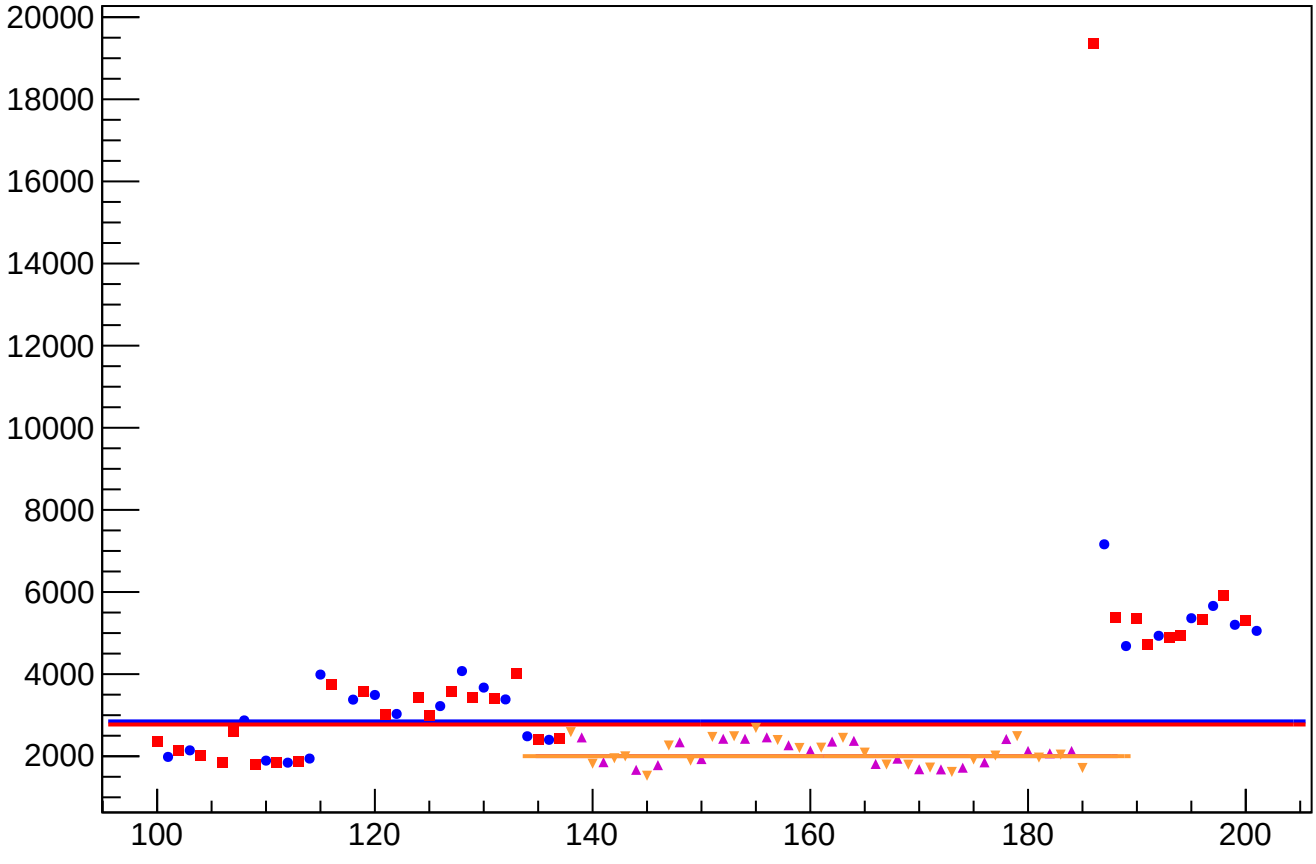
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1933.735+/-408.453 χ^2/NDF: 84.3/47

All: -1398.934+/-289.840 χ^2/NDF: 139.2/98

- sign -856.510+/-411.354 χ^2/NDF: 51.5/50

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: 2773.399+/-0.585 χ^2/NDF: 4666187.7/27

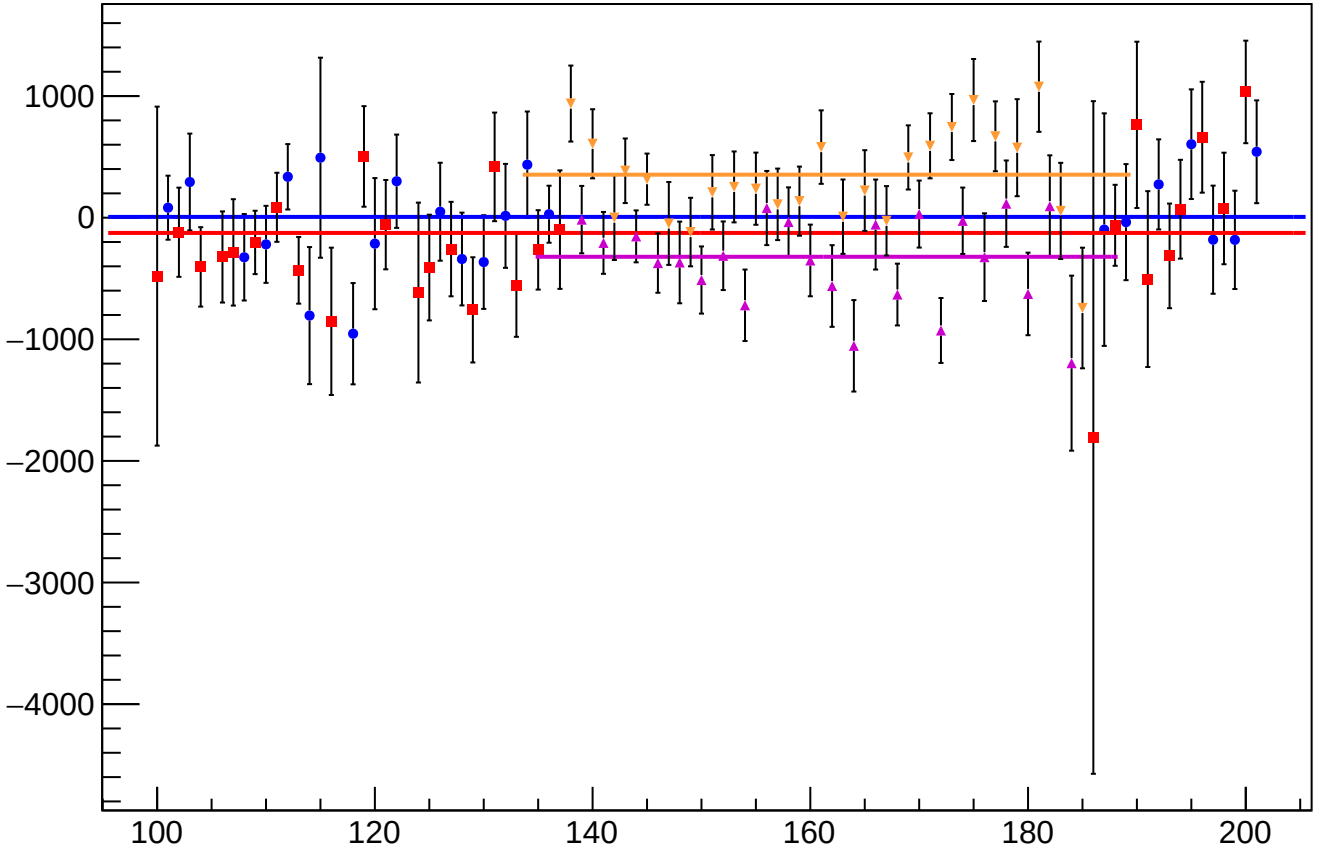
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2186.070+/-0.289 χ^2/NDF: 5700332.9/47

All: 2190.171+/-0.205 χ^2/NDF: 12372851.5/9

- sign 2194.330+/-0.291 χ^2/NDF: 6672112.6/50

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: -125.387+/-76.873 χ^2/NDF: 26.2/27

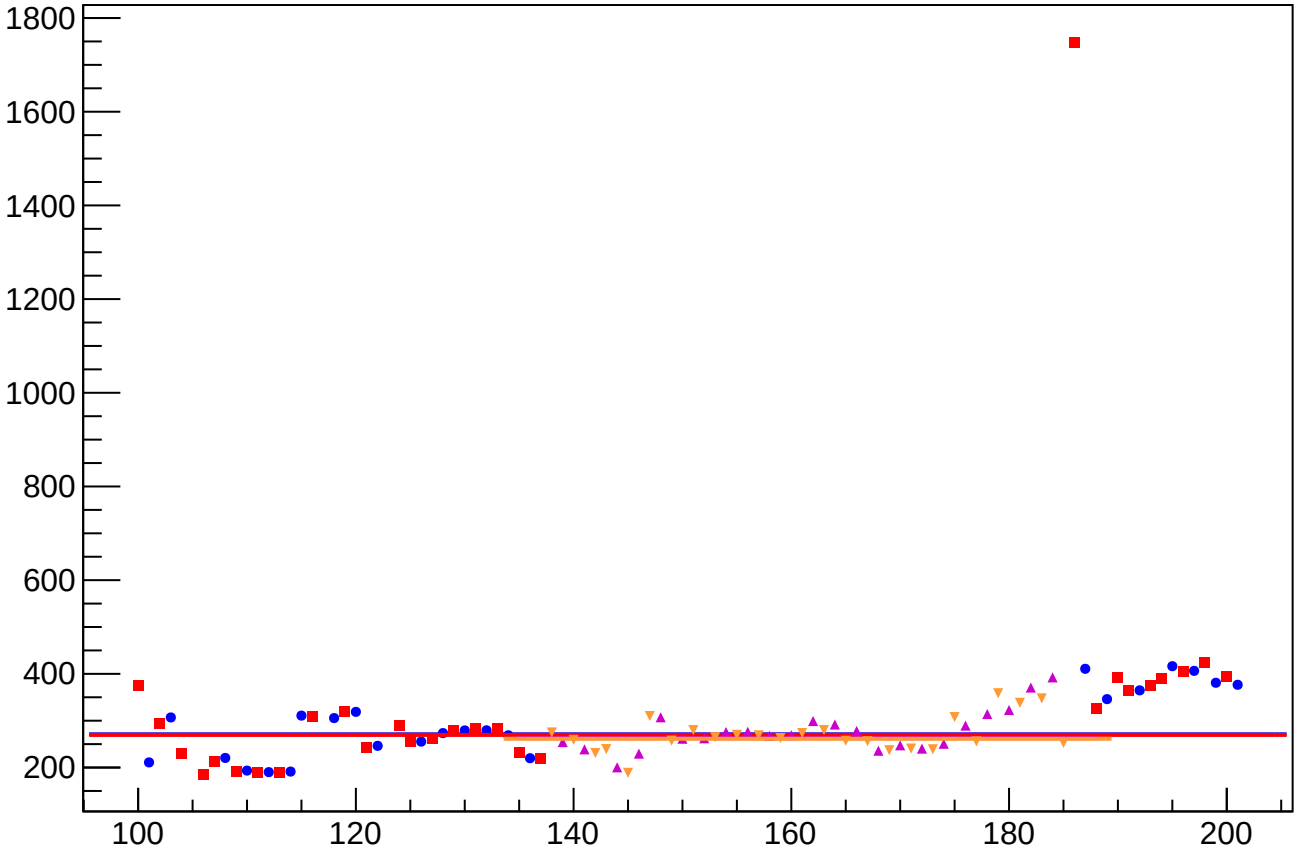
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 228.262+/-48.077 χ^2/NDF: 63.4/47

All: -6.734+/-34.079 χ^2/NDF: 167.8/98

- sign -244.047+/-48.313 χ^2/NDF: 56.4/50

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: 269.677+/-0.054 χ^2/NDF: 2397027.3/27

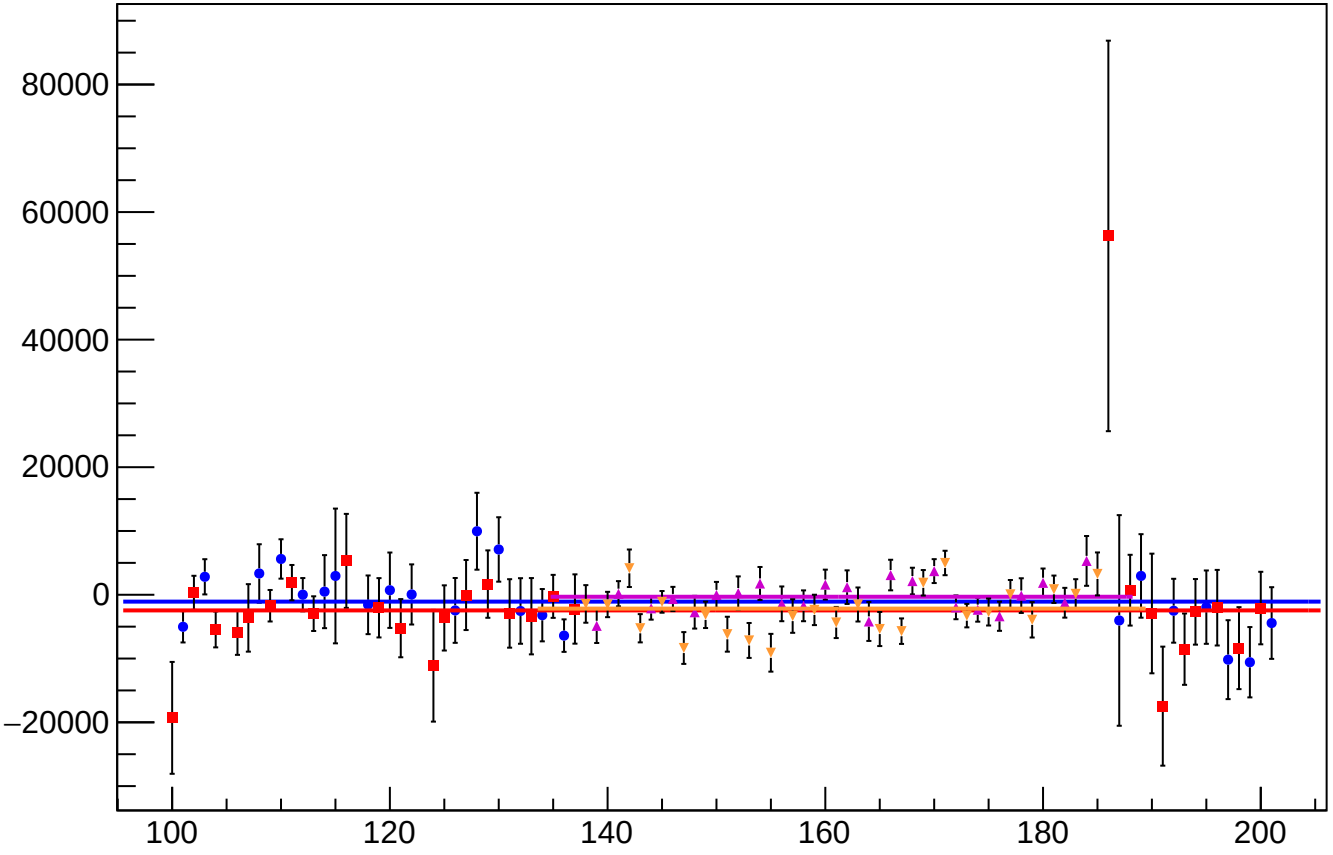
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 264.883+/-0.034 χ^2/NDF: 2263470.7/47

All: 265.143+/-0.024 χ^2/NDF: 5341471.1/98

- sign 265.405+/-0.034 χ^2/NDF: 3077883.1/50

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: -2453.426+/-828.801 χ^2/NDF: 22.0/27

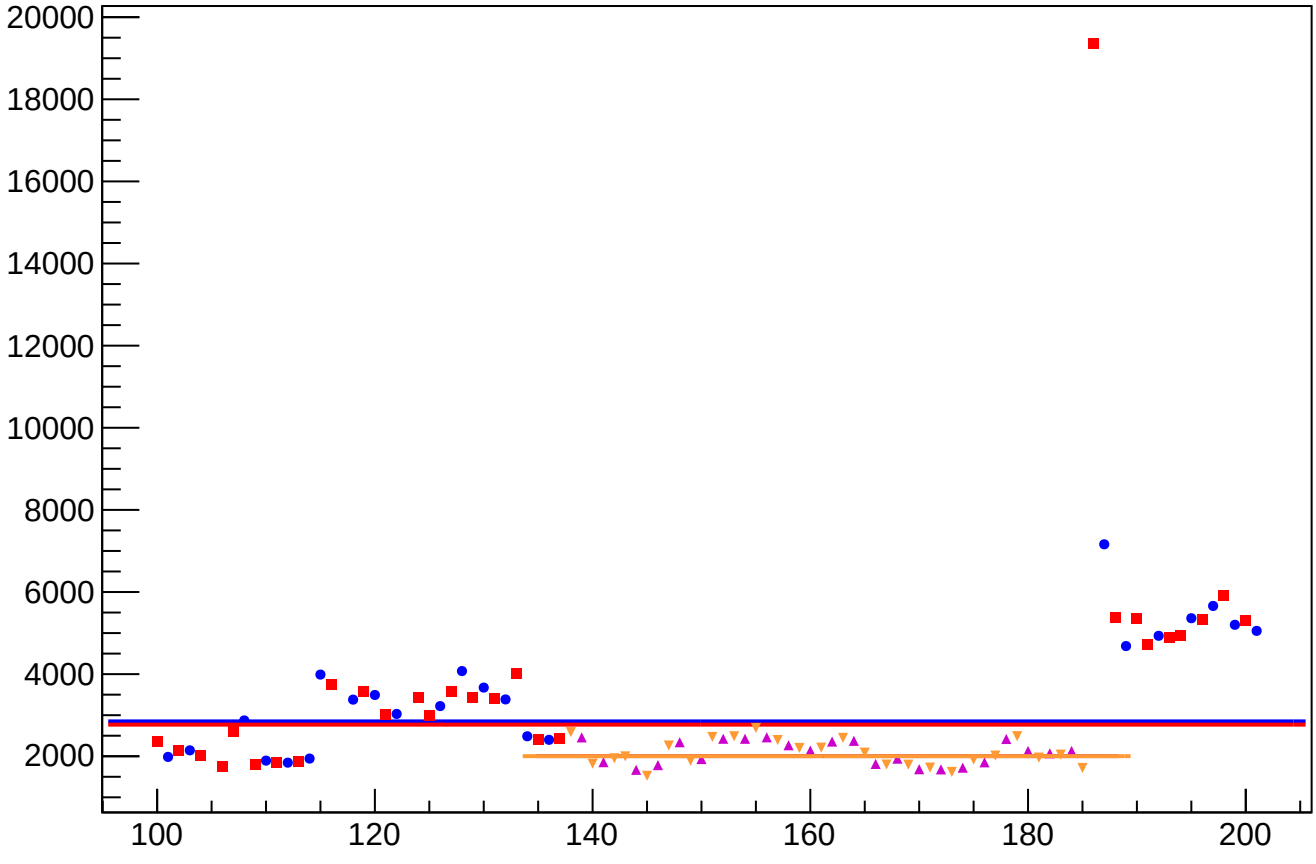
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1933.747+/-408.454 χ^2/NDF: 84.3/47

All: -1391.581+/-289.898 χ^2/NDF: 138.5/98

- sign -841.249+/-411.518 χ^2/NDF: 50.7/50

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

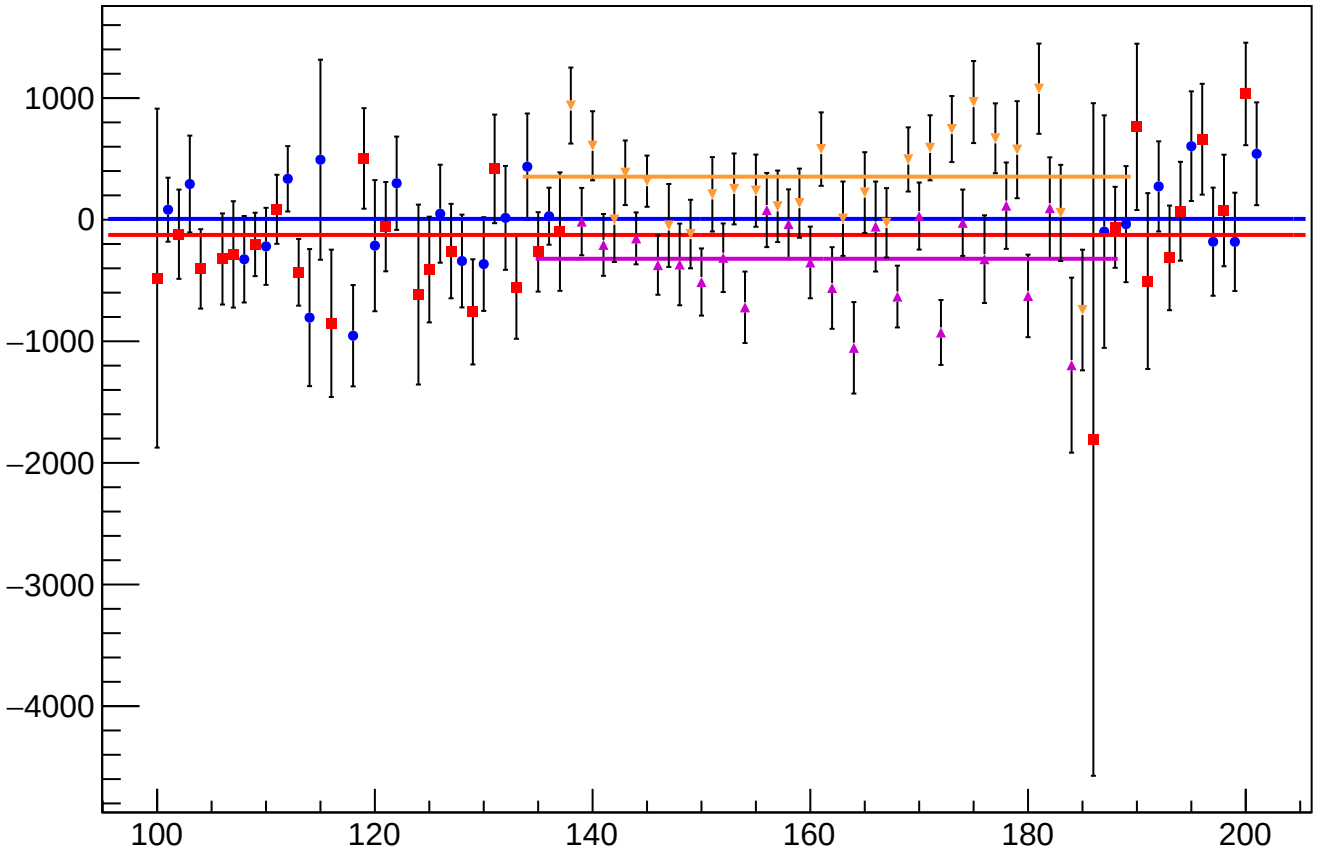
Right Out: 2770.076+/-0.586 χ^2/NDF: 4694122.0/27

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2186.074+/-0.289 χ^2/NDF: 5700328.7/47

All: 2189.535+/-0.205 χ^2/NDF: 12386309.7/9

- sign 2193.048+/-0.291 χ^2/NDF: 6685691.6/50



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: -125.387+/-76.873 χ^2/NDF: 26.2/27

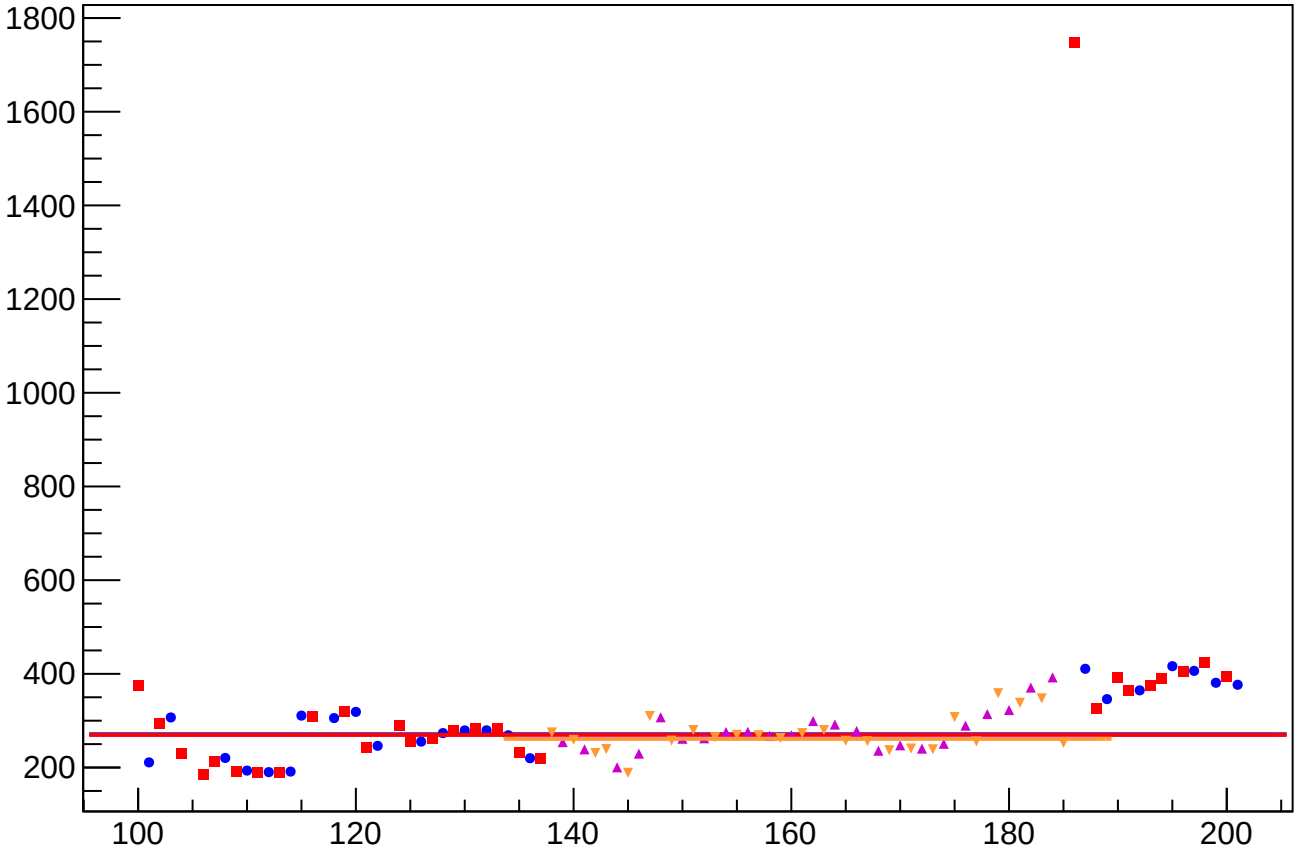
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 228.262+/-48.077 χ^2/NDF: 63.4/47

All: -6.734+/-34.079 χ^2/NDF: 167.8/98

- sign -244.047+/-48.313 χ^2/NDF: 56.4/50

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: 269.677+/-0.054 χ^2/NDF: 2397027.3/27

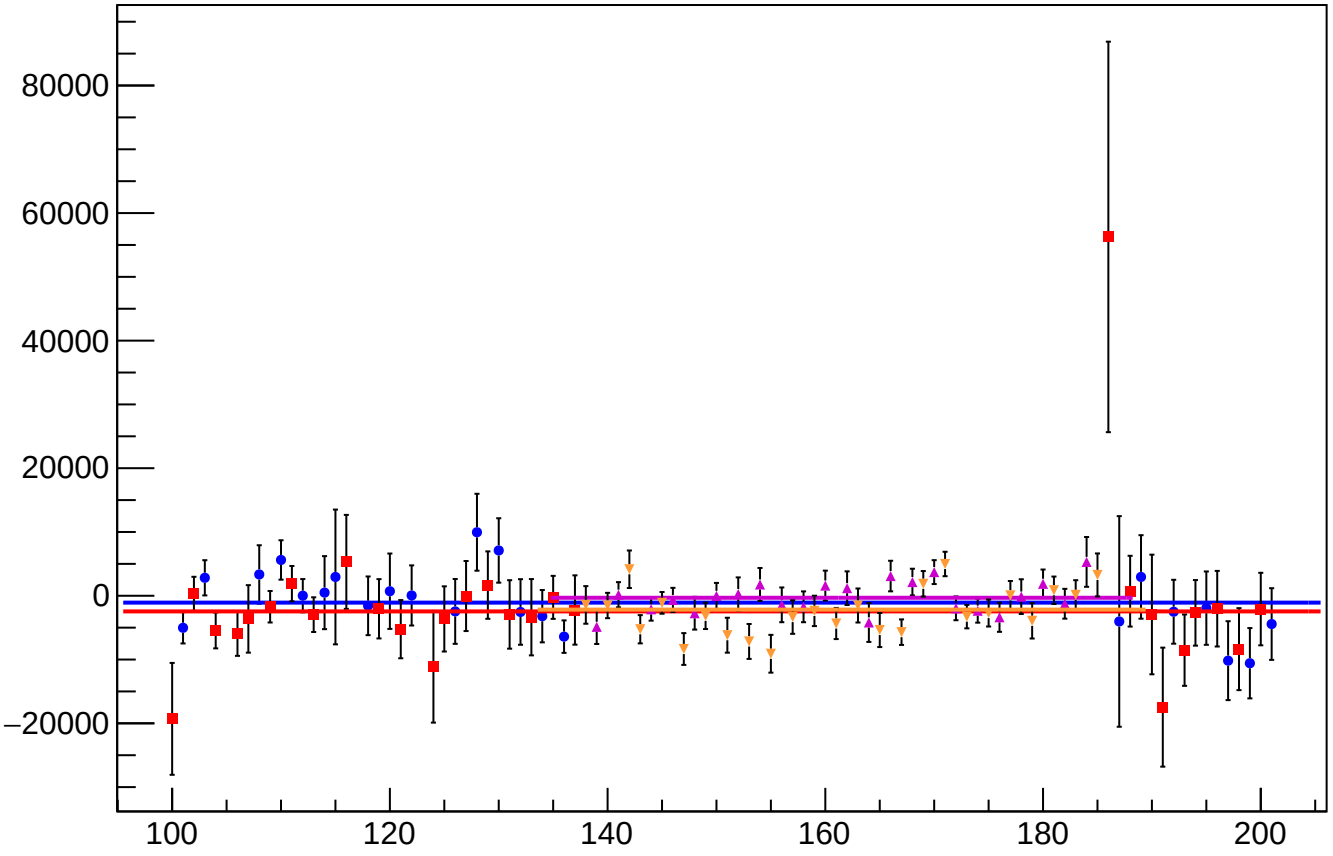
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 264.883+/-0.034 χ^2/NDF: 2263470.7/47

All: 265.143+/-0.024 χ^2/NDF: 5341471.1/98

- sign 265.405+/-0.034 χ^2/NDF: 3077883.1/50

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: -2453.426+/-828.801 χ^2/NDF: 22.0/27

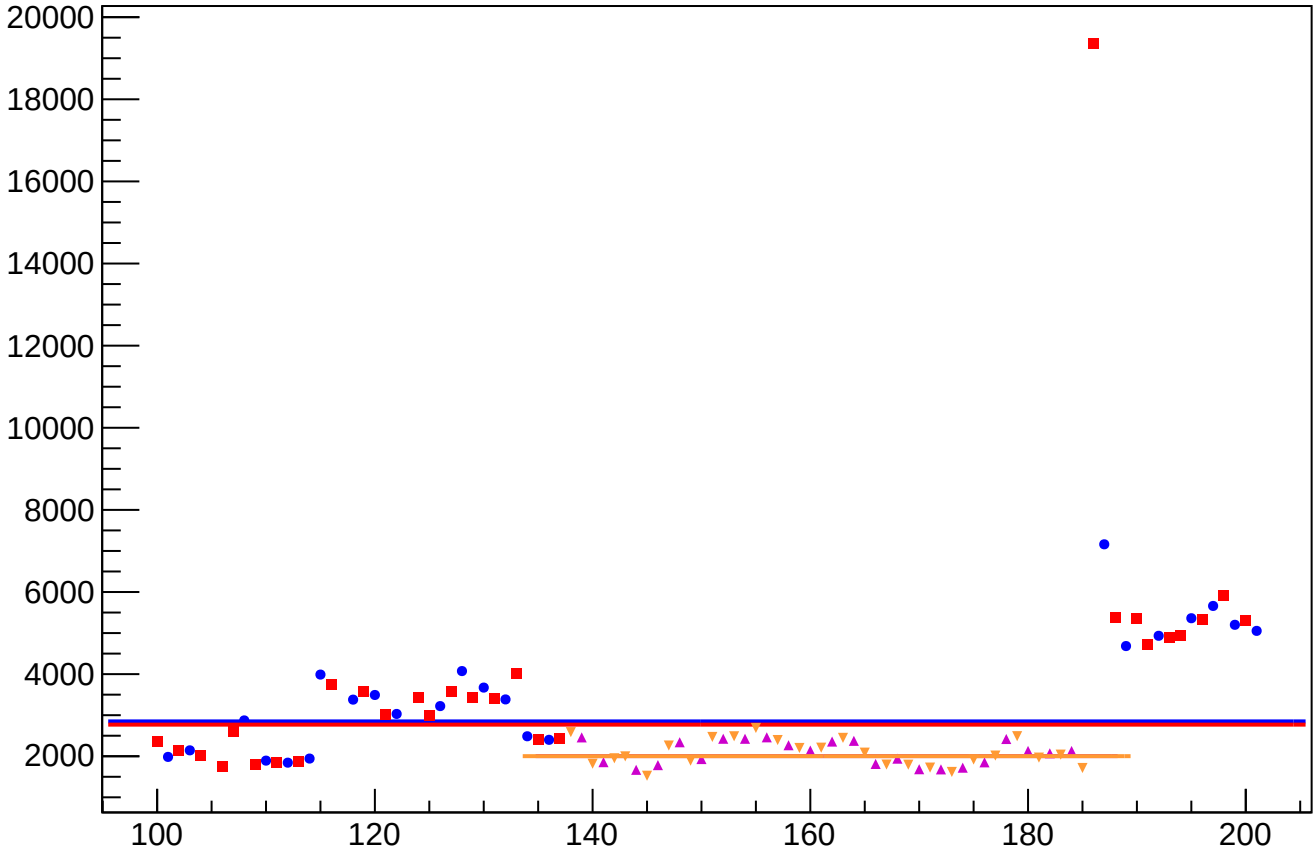
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1933.747+/-408.454 χ^2/NDF: 84.3/47

All: -1391.581+/-289.898 χ^2/NDF: 138.5/98

- sign -841.249+/-411.518 χ^2/NDF: 50.7/50

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: 2770.076+/-0.586 χ^2/NDF: 4694122.0/27

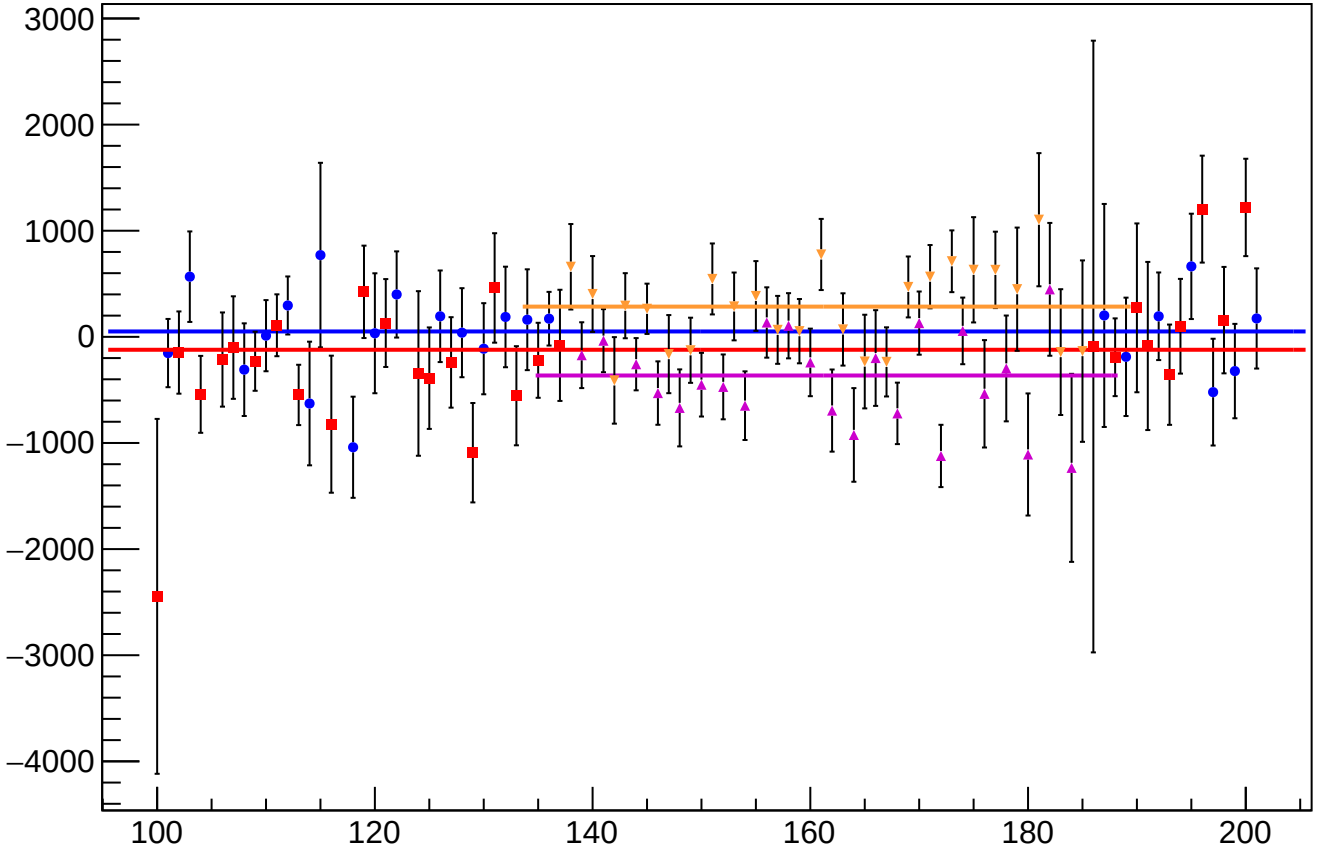
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2186.074+/-0.289 χ^2/NDF: 5700328.7/47

All: 2189.535+/-0.205 χ^2/NDF: 12386309.7/9

- sign 2193.048+/-0.291 χ^2/NDF: 6685691.6/50

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: -121.736+/-83.458 χ^2/NDF: 33.0/27

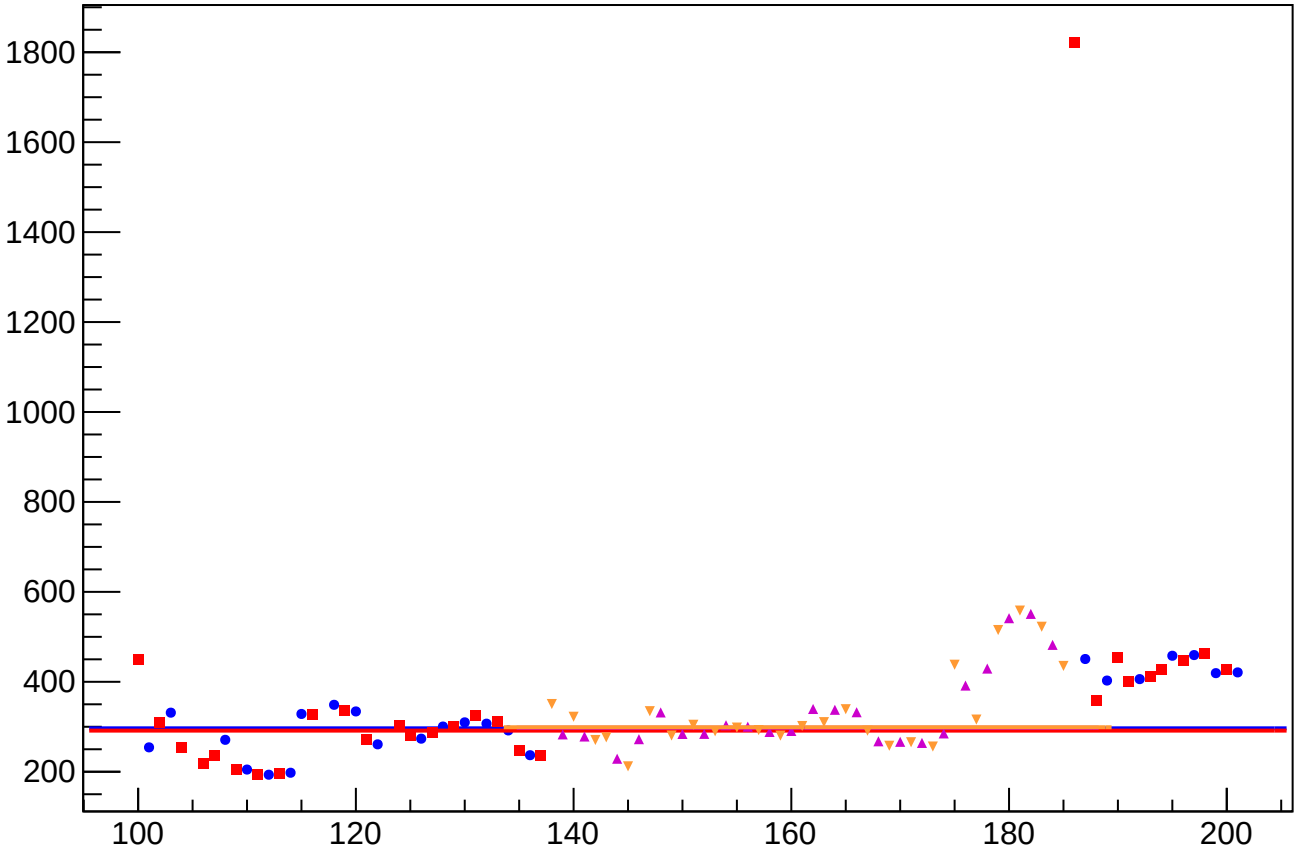
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 194.163+/-54.802 χ^2/NDF: 43.1/47

All: -35.226+/-38.605 χ^2/NDF: 143.9/98

- sign -261.193+/-54.392 χ^2/NDF: 66.1/50

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: 291.484+/-0.059 χ^2/NDF: 2540355.8/27

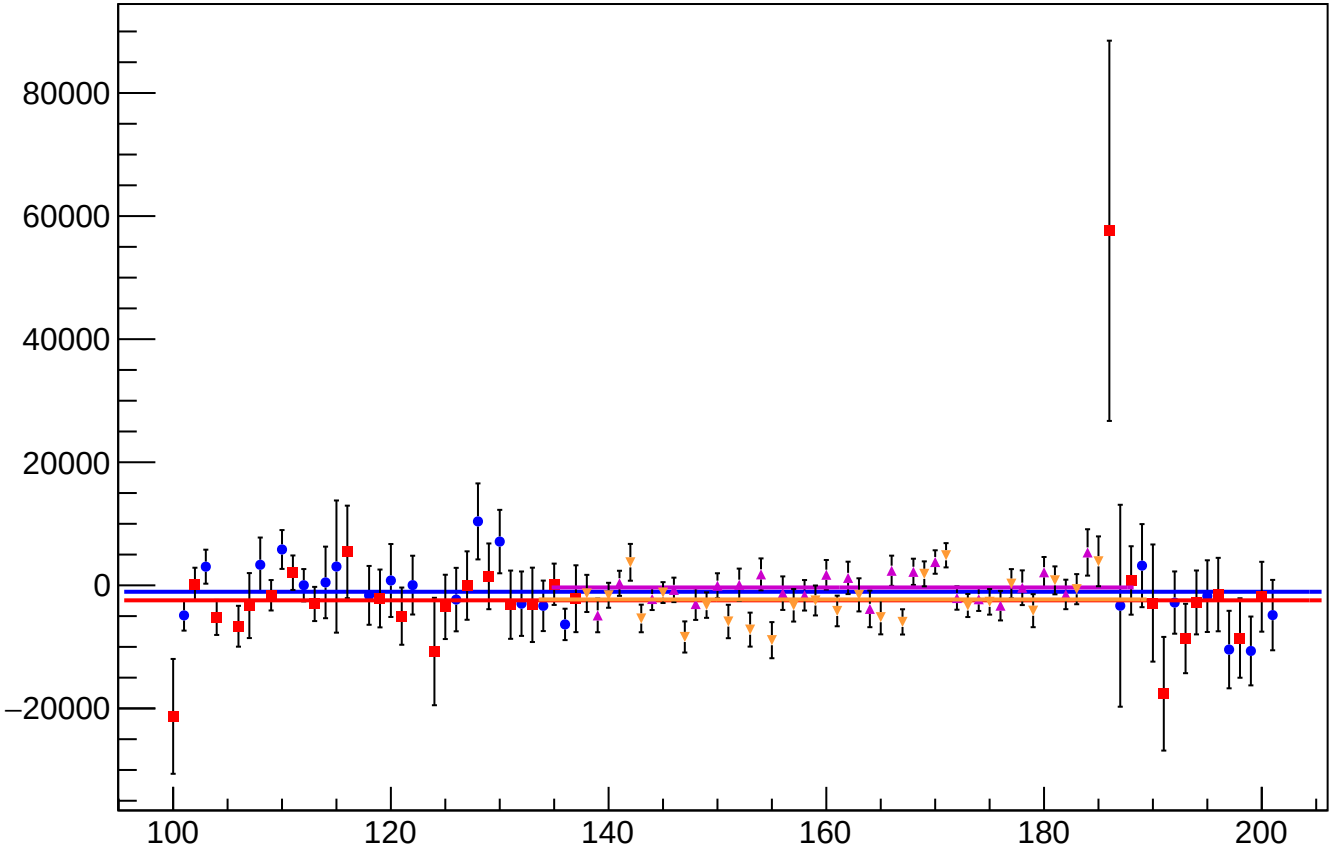
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 298.011+/-0.039 χ^2/NDF: 3300679.4/47

All: 296.578+/-0.027 χ^2/NDF: 7169579.5/98

- sign 295.166+/-0.038 χ^2/NDF: 3866185.4/50

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: -2436.219+/-833.522 χ^2/NDF: 23.0/27

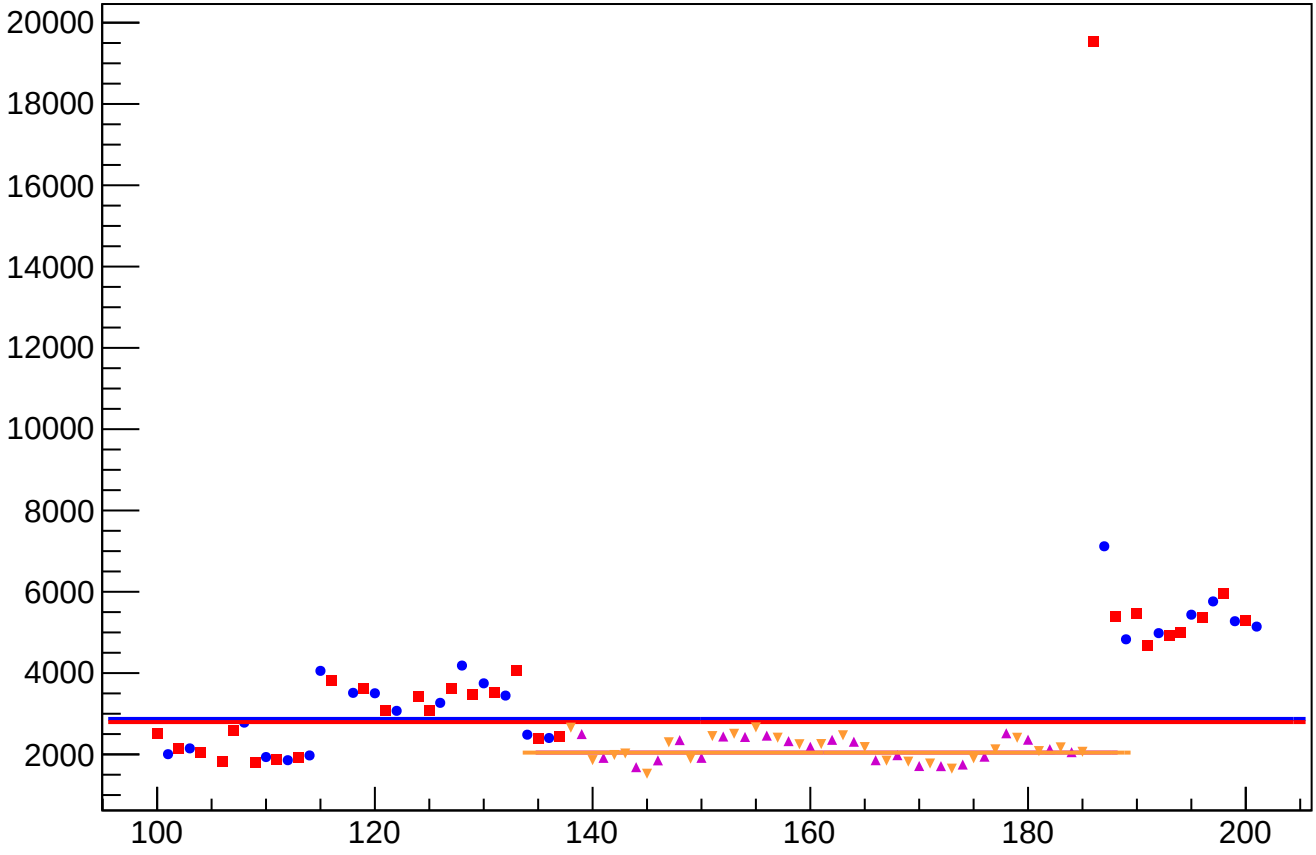
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2015.851+/-415.402 χ^2/NDF: 81.0/47

All: -1446.846+/-294.752 χ^2/NDF: 135.4/98

- sign -869.879+/-418.298 χ^2/NDF: 50.6/50

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: 2794.739+/-0.589 χ^2/NDF: 4680723.5/27

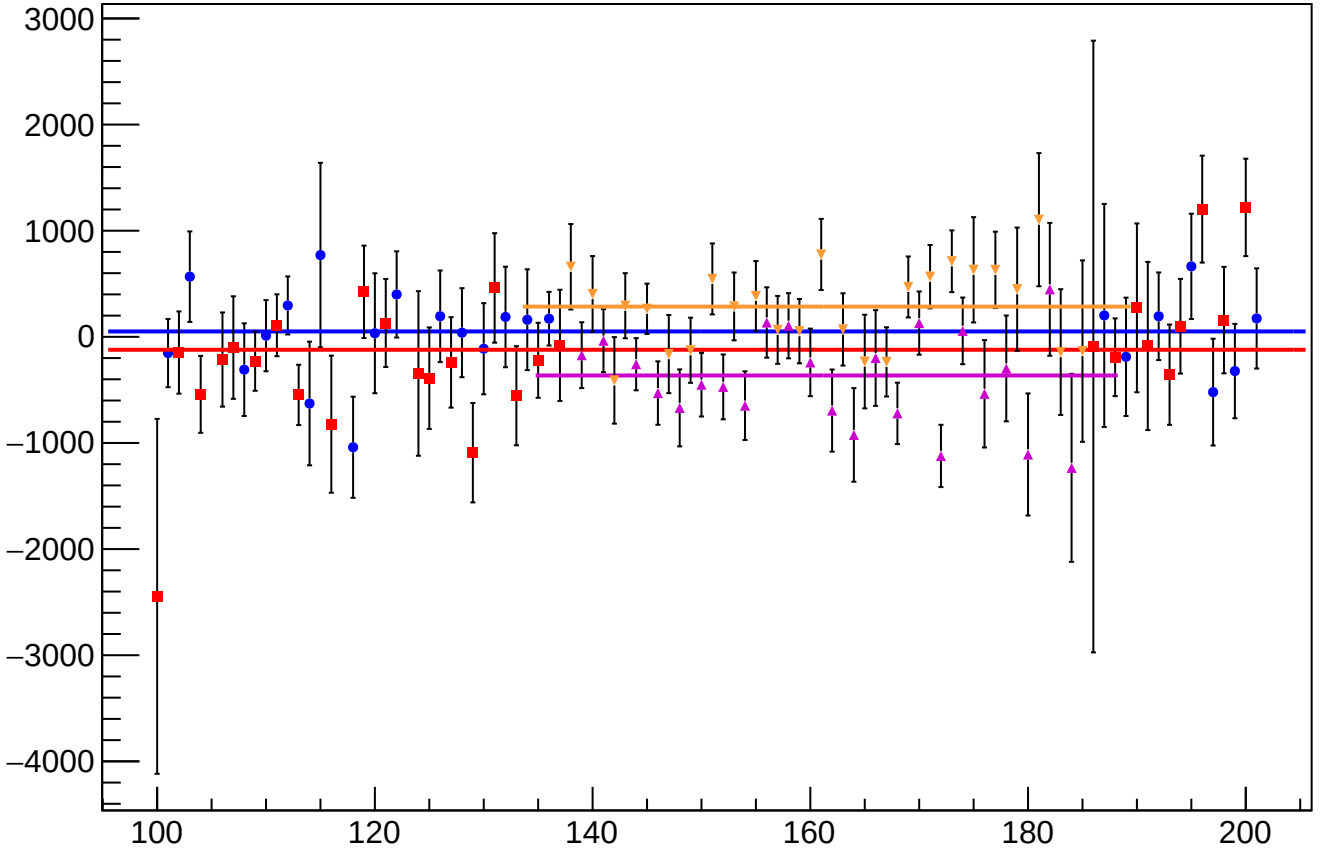
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2226.508+/-0.294 χ^2/NDF: 5629222.3/47

All: 2230.205+/-0.208 χ^2/NDF: 12210525.0/9

- sign 2233.953+/-0.296 χ^2/NDF: 6580983.6/50

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: -121.736+/-83.458 χ^2/NDF: 33.0/27

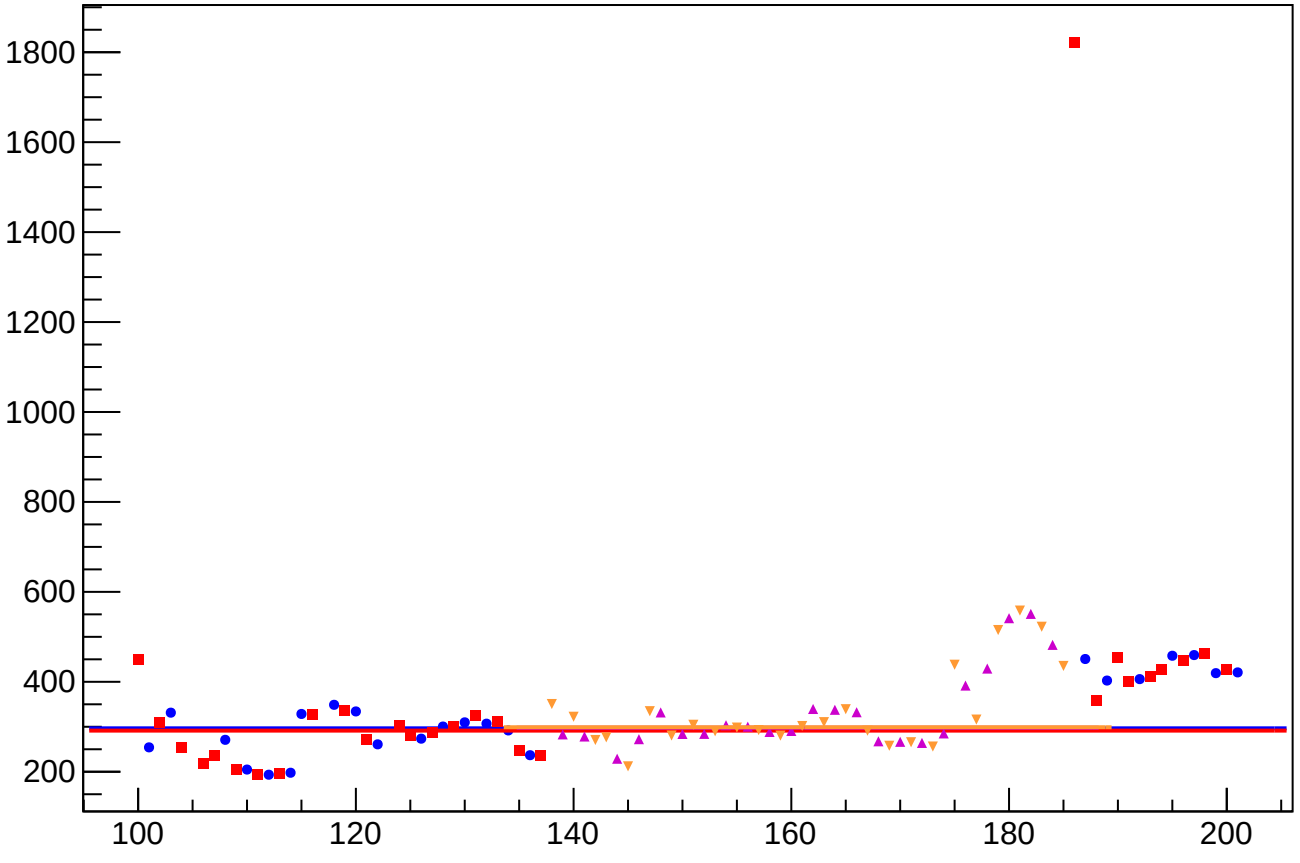
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 194.167+/-54.802 χ^2/NDF: 43.1/47

All: -35.224+/-38.605 χ^2/NDF: 143.9/98

- sign -261.193+/-54.392 χ^2/NDF: 66.1/50

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: 291.484+/-0.059 χ^2/NDF: 2540357.6/27

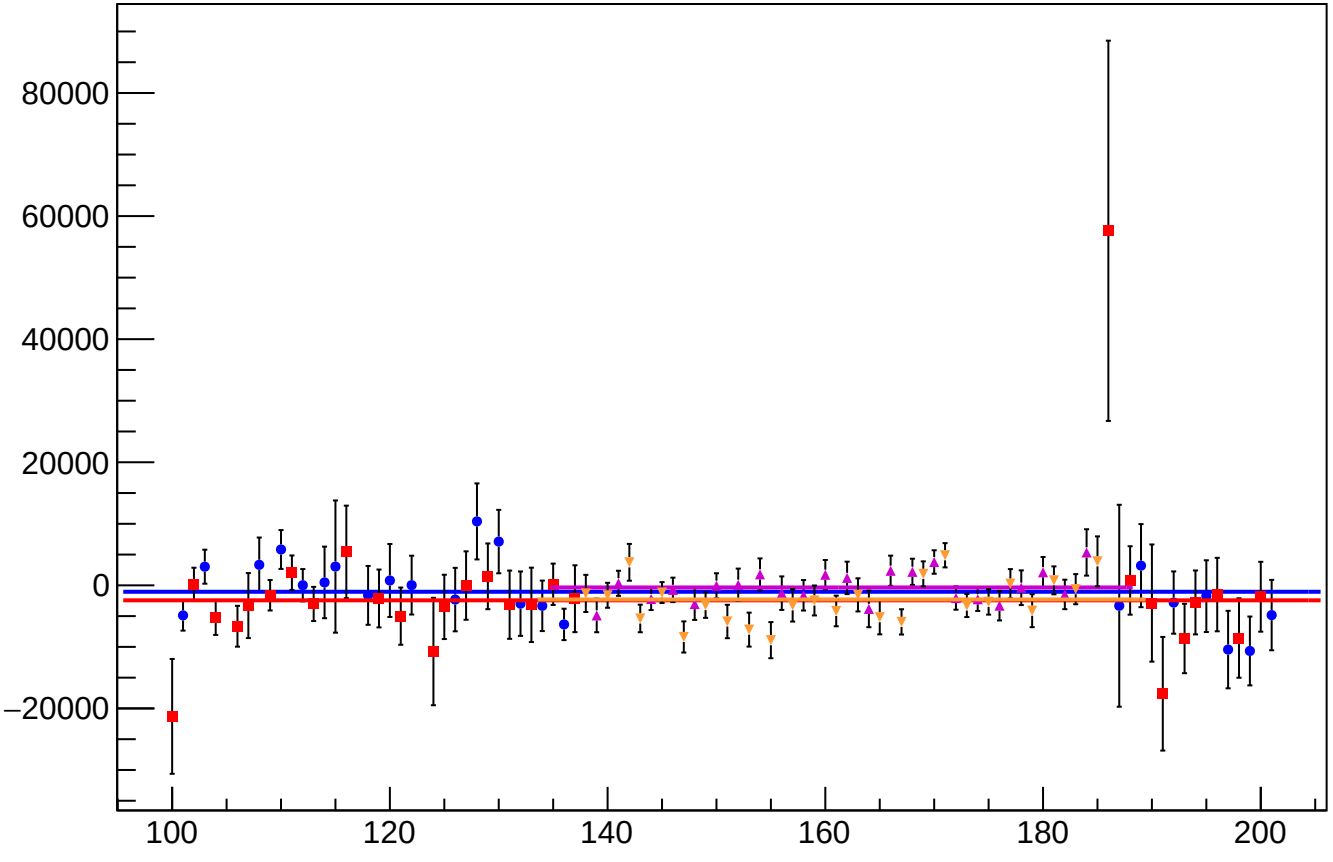
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 298.011+/-0.039 χ^2/NDF: 3300667.2/47

All: 296.578+/-0.027 χ^2/NDF: 7169551.4/98

- sign 295.167+/-0.038 χ^2/NDF: 3866169.5/50

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: -2436.217+/-833.521 χ^2/NDF: 23.0/27

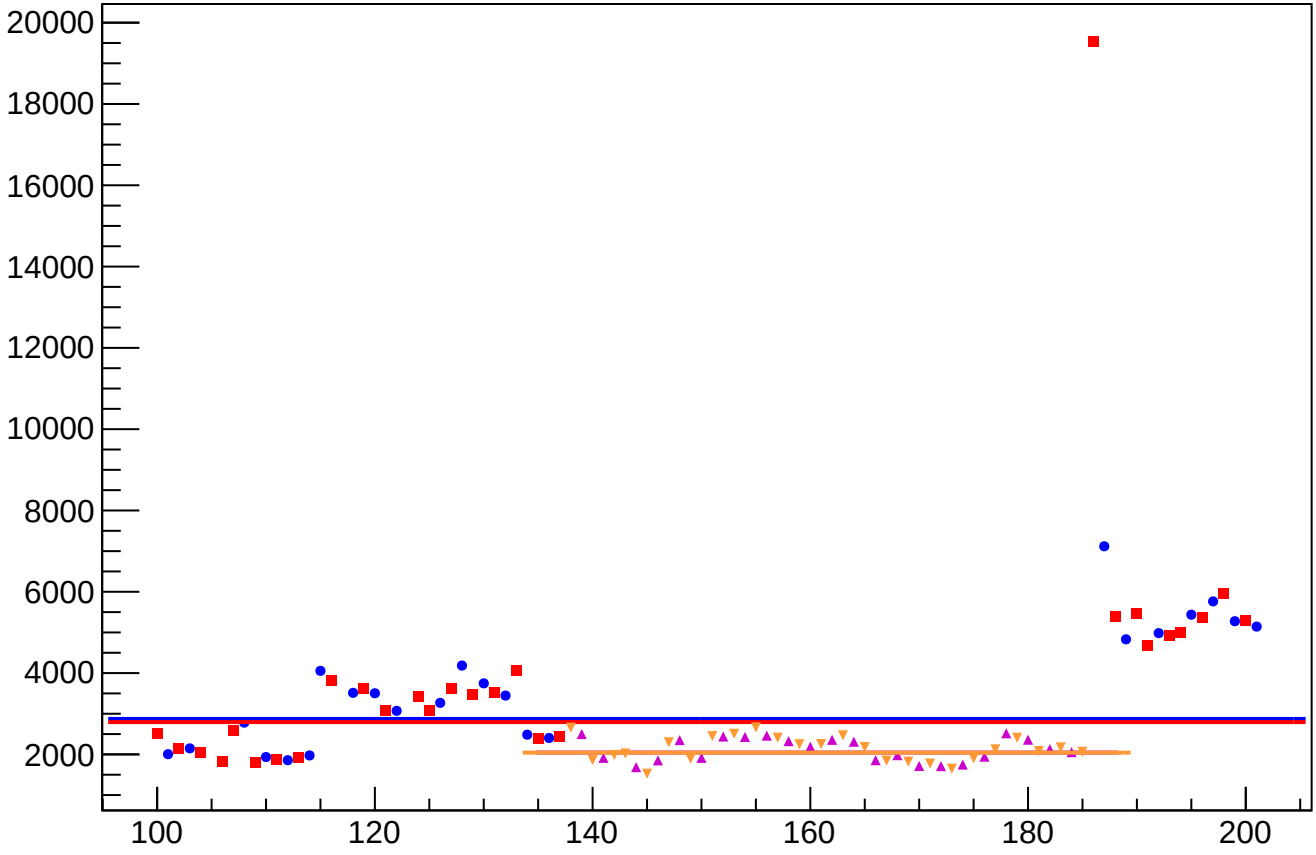
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2015.847+/-415.402 χ^2/NDF: 81.0/47

All: -1446.842+/-294.752 χ^2/NDF: 135.4/98

- sign -869.876+/-418.298 χ^2/NDF: 50.6/50

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: 2794.737+/-0.589 χ^2/NDF: 4680719.8/27

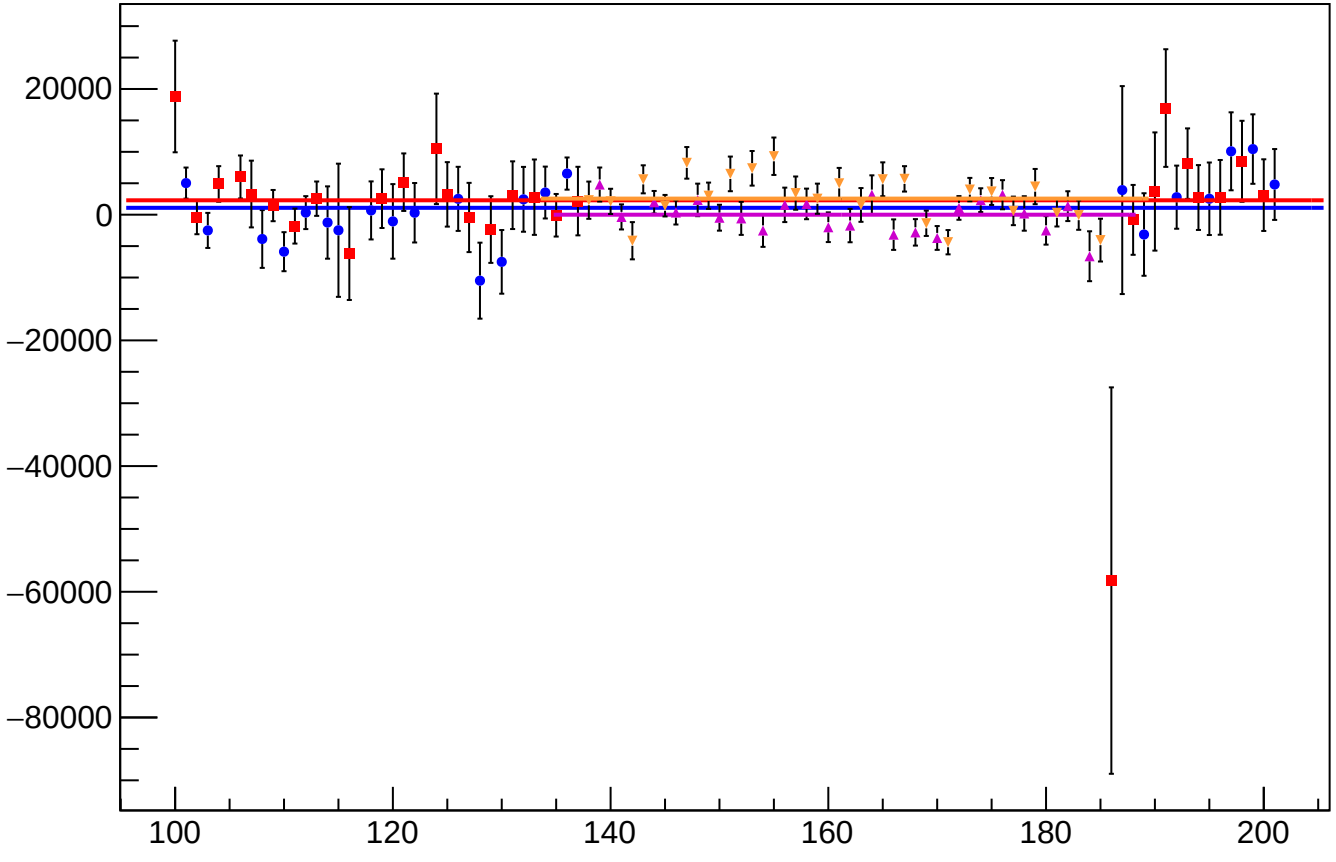
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2226.505+/-0.294 χ^2/NDF: 5629230.3/47

All: 2230.202+/-0.208 χ^2/NDF: 12210532.9/9

- sign 2233.950+/-0.296 χ^2/NDF: 6580983.5/50

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: 2289.987+/-832.181 χ^2/NDF: 21.7/27

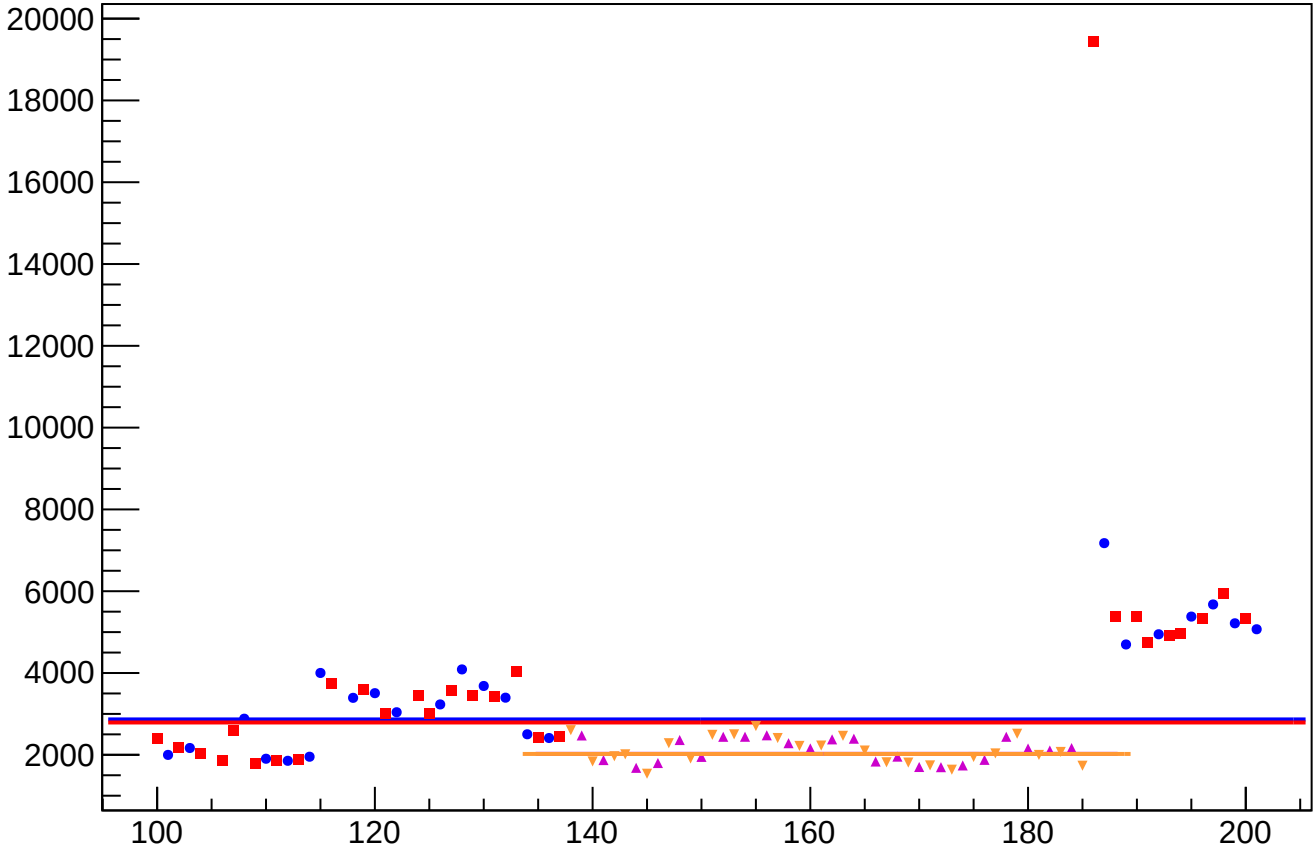
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2238.653+/-411.888 χ^2/NDF: 83.4/47

All: 1408.471+/-292.281 χ^2/NDF: 143.6/98

- sign 566.407+/-414.825 χ^2/NDF: 52.1/50

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: 2790.512+/-0.588 χ^2/NDF: 4637664.0/27

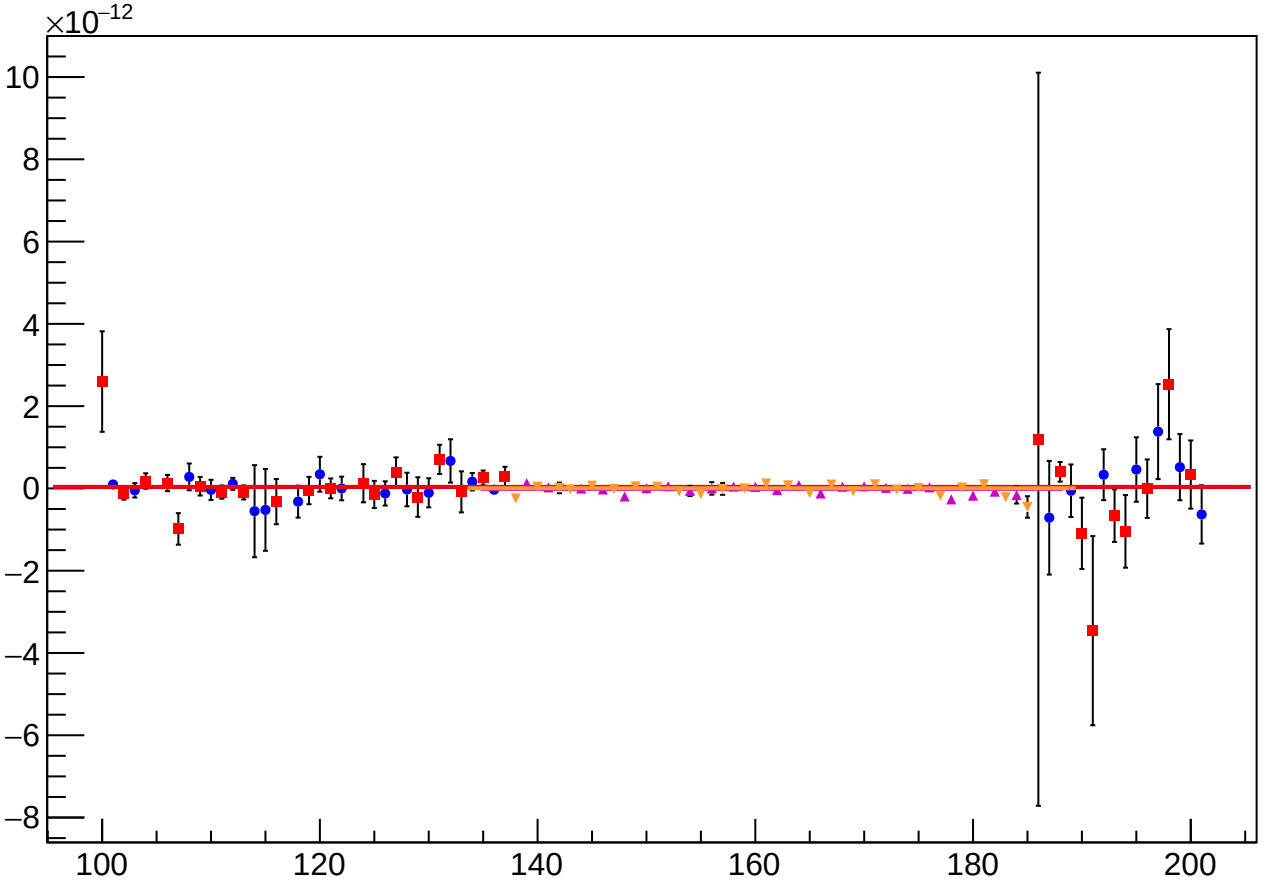
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2205.712+/-0.291 χ^2/NDF: 5639560.6/47

All: 2209.789+/-0.207 χ^2/NDF: 12251240.2/9

- sign 2213.925+/-0.293 χ^2/NDF: 6611284.9/50

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

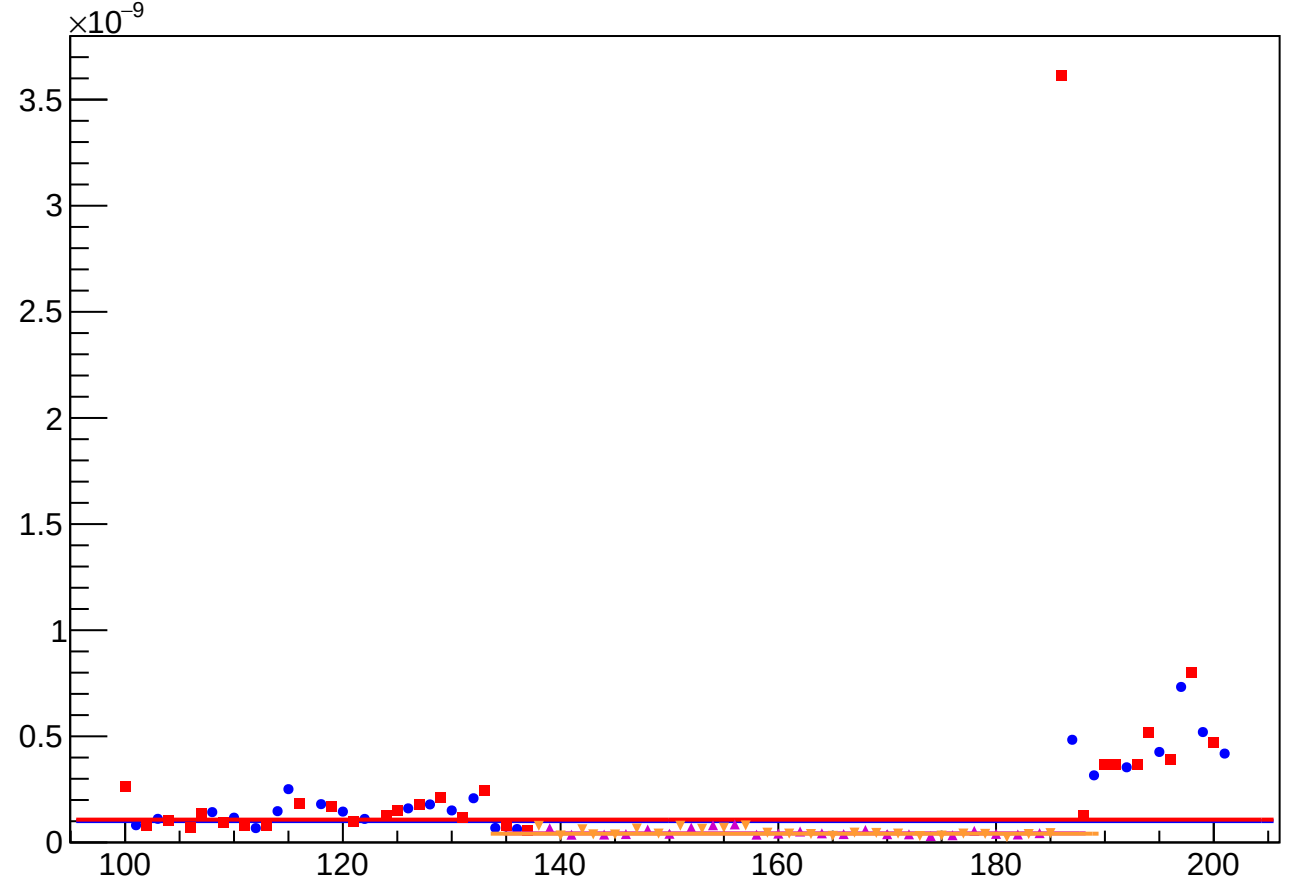
Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/27

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.0/47

All: 0.000+/-0.000 χ^2/NDF: 99.9/98

- sign -0.000+/-0.000 χ^2/NDF: 57.5/50



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: 3448331.3/27

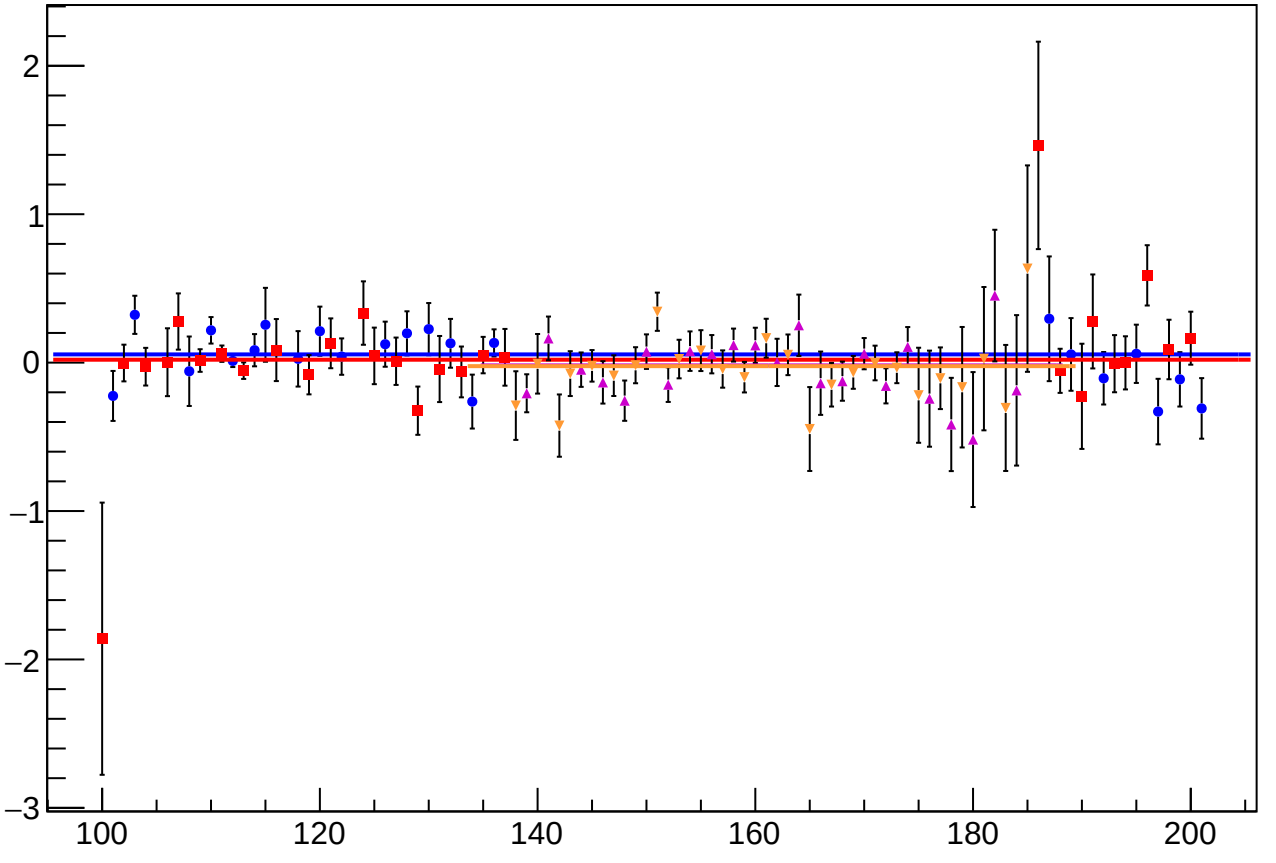
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7246926.6/47

All: 0.000+/-0.000 χ^2/NDF: 14282255.0/98

- sign 0.000+/-0.000 χ^2/NDF: 7012007.7/50

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: 0.020+/-0.025 χ^2/NDF: 31.0/27

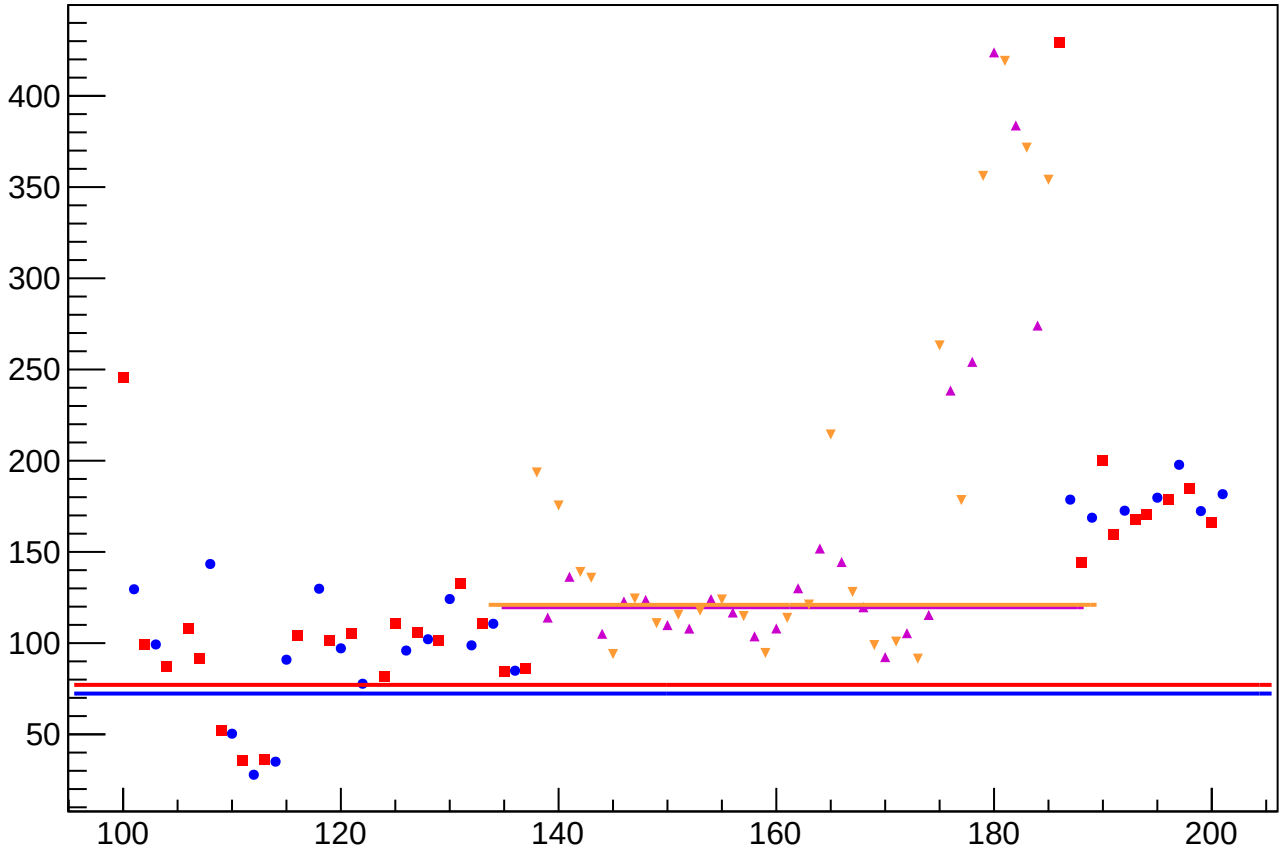
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.022+/-0.019 χ^2/NDF: 53.9/47

All: 0.013+/-0.014 χ^2/NDF: 109.3/98

- sign 0.004+/-0.019 χ^2/NDF: 54.9/50

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

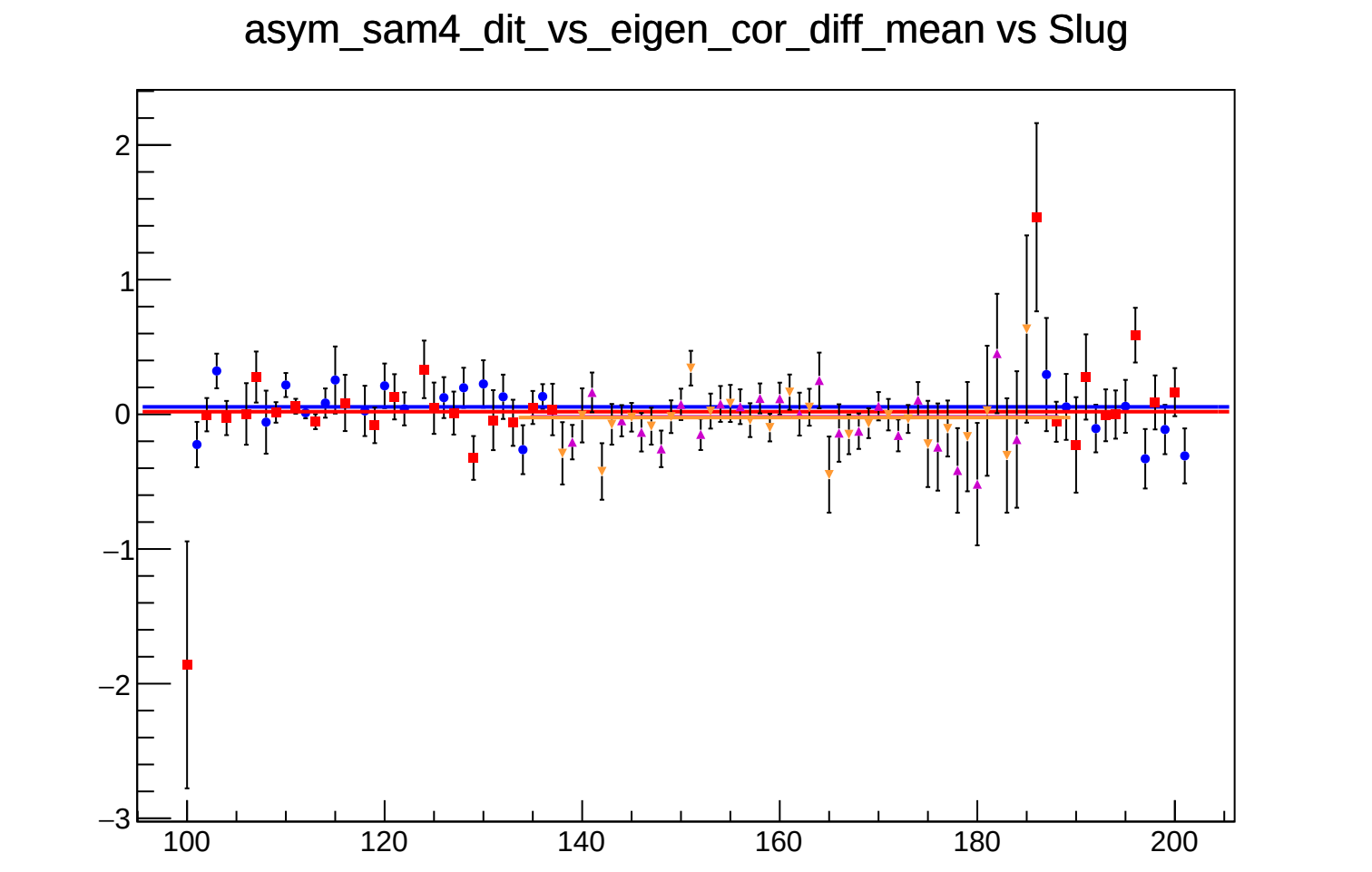
Right Out: 77.116+/-0.018 χ^2/NDF: 7014633.5/27

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 92.934+/-0.014 χ^2/NDF: 14573440.2/47

All: 93.699+/-0.010 χ^2/NDF: 26783175.0/98

- sign 94.451+/-0.014 χ^2/NDF: 12203594.5/50



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: 0.020+/-0.025 χ^2/NDF: 31.0/27

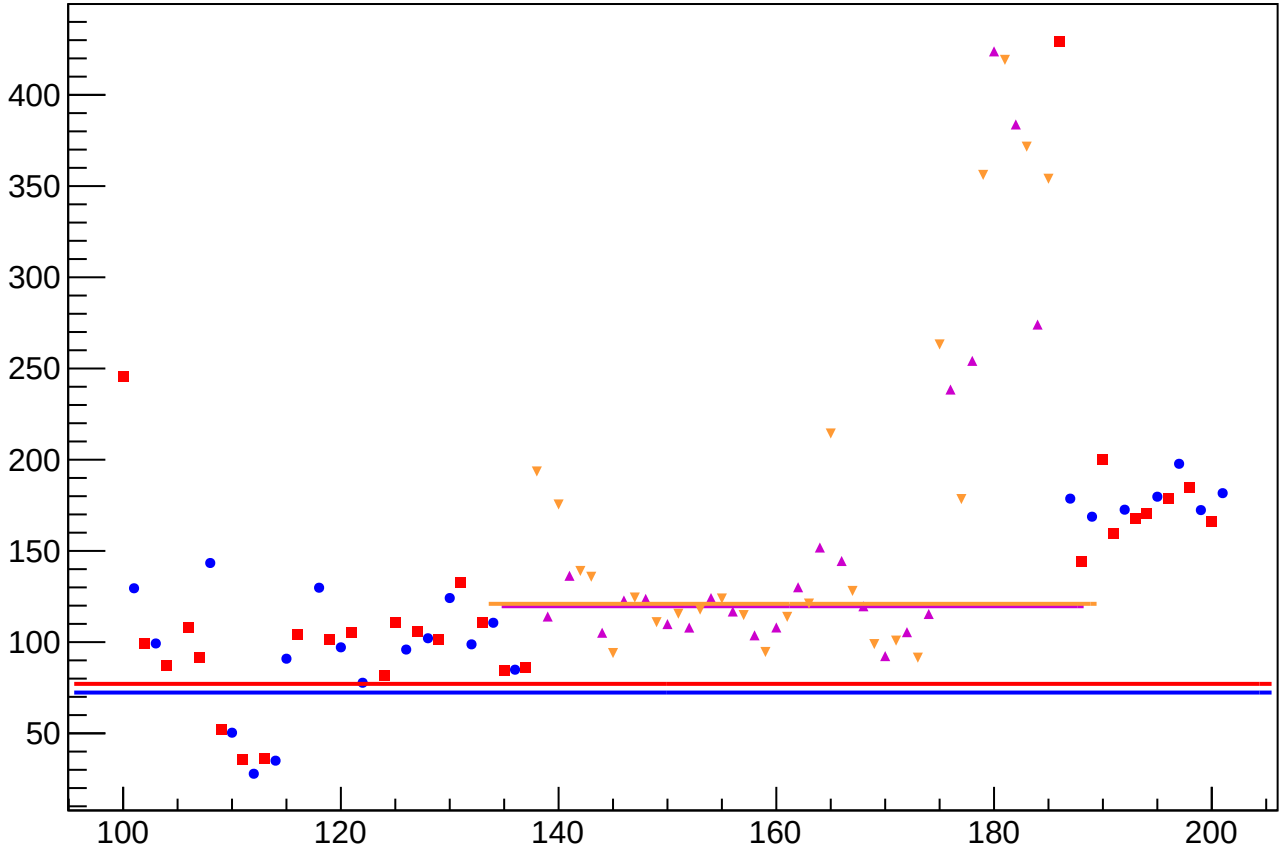
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.022+/-0.019 χ^2/NDF: 53.9/47

All: 0.013+/-0.014 χ^2/NDF: 109.3/98

- sign 0.004+/-0.019 χ^2/NDF: 54.9/50

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

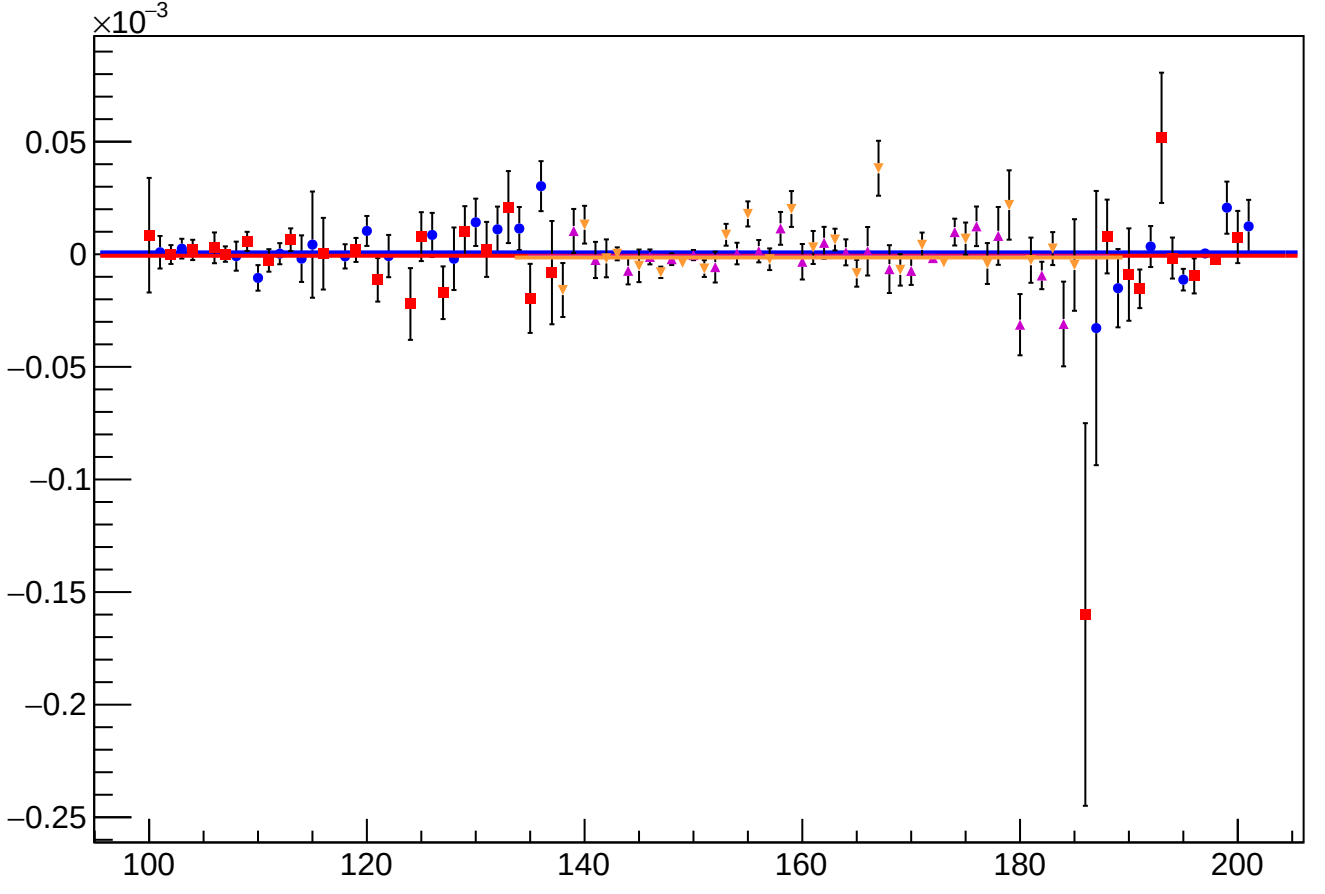
Right Out: 77.116+/-0.018 χ^2/NDF: 7014633.5/27

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 92.934+/-0.014 χ^2/NDF: 14573440.2/47

All: 93.699+/-0.010 χ^2/NDF: 26783175.0/98

- sign 94.451+/-0.014 χ^2/NDF: 12203594.5/50



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: 28.5/27

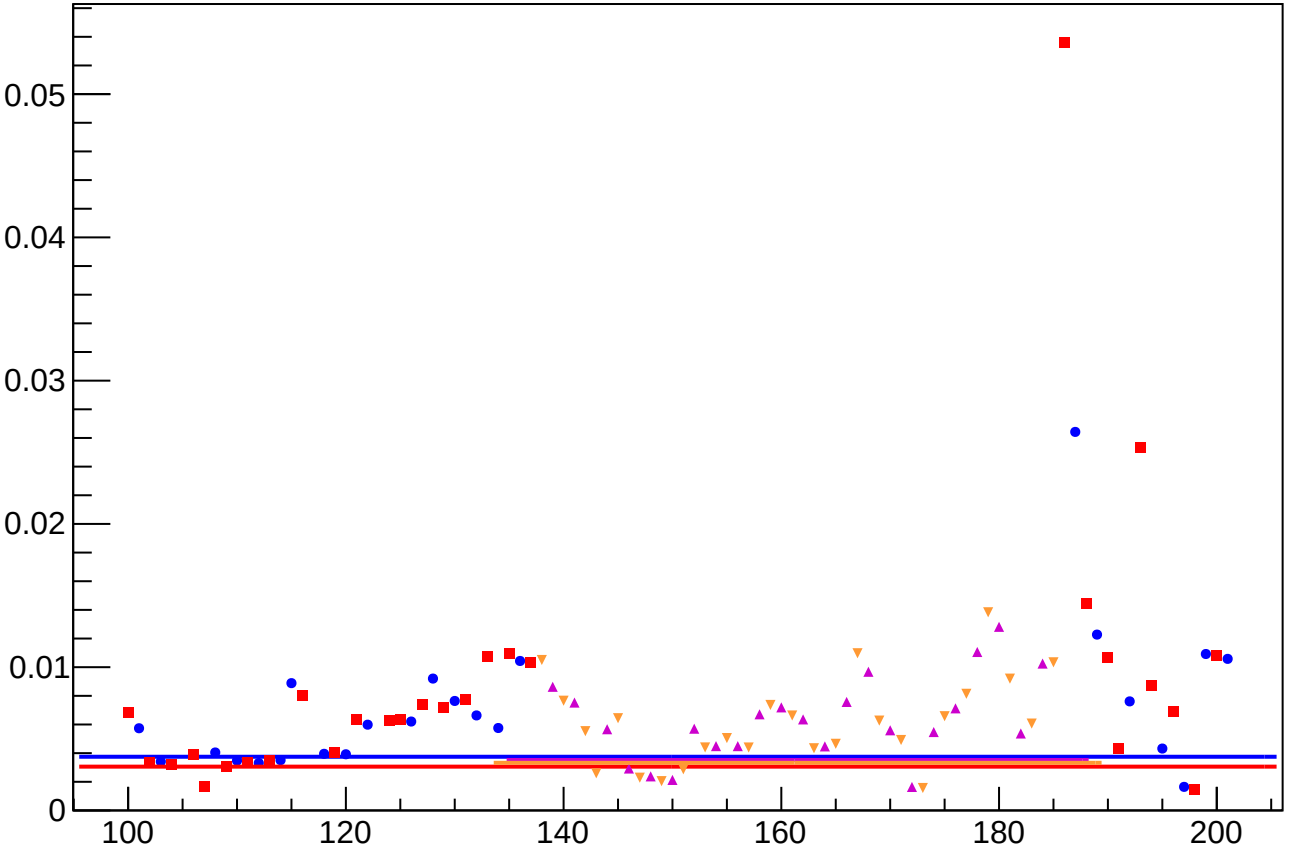
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 92.1/47

All: -0.000+/-0.000 χ^2/NDF: 145.1/98

- sign -0.000+/-0.000 χ^2/NDF: 53.0/50

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

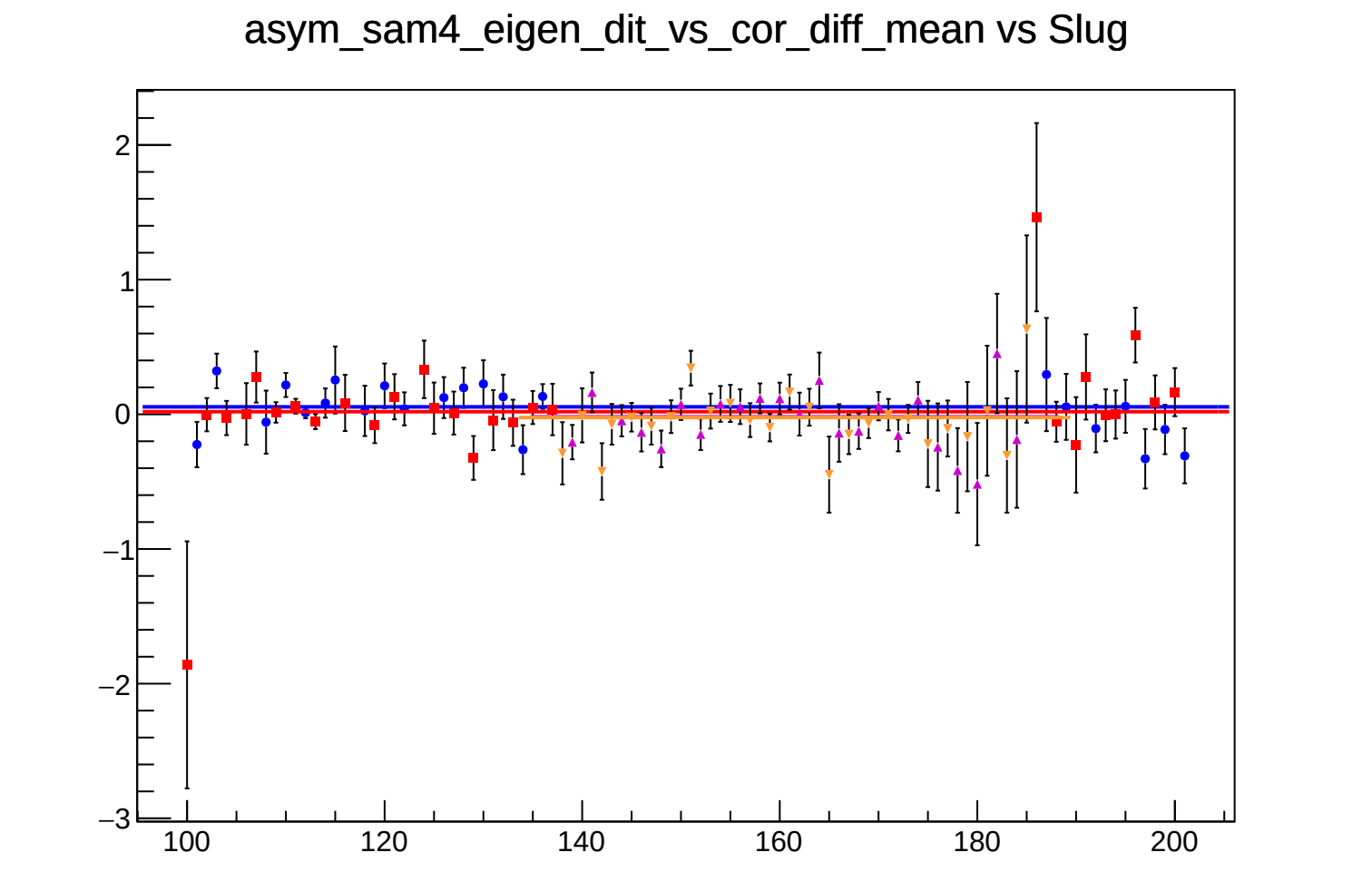
Right Out: 0.003+/-0.000 χ^2/NDF: 10407961.6/27

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: 37257550.0/98

- sign 0.003+/-0.000 χ^2/NDF: 20035784.4/50



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: 0.020+/-0.025 χ^2/NDF: 31.0/27

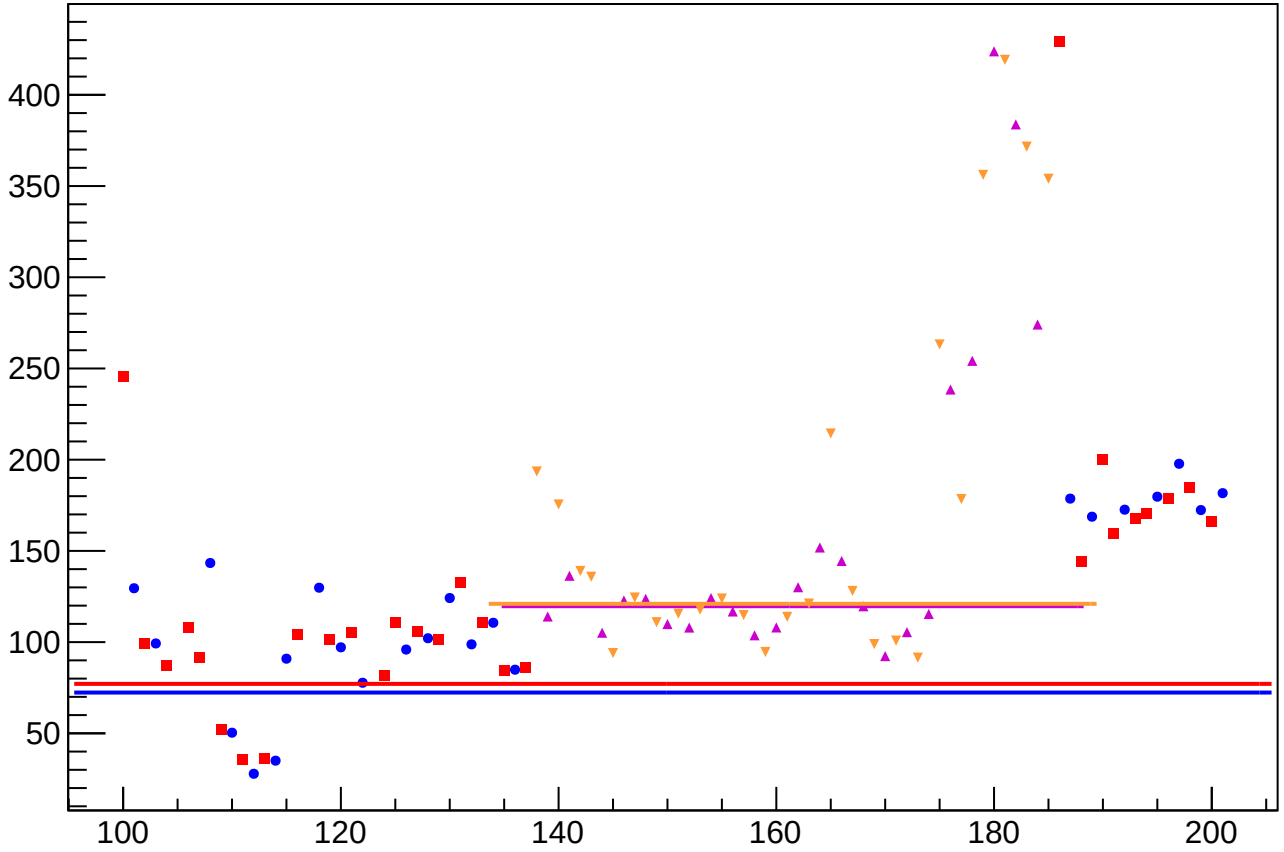
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.022+/-0.019 χ^2/NDF: 53.9/47

All: 0.013+/-0.014 χ^2/NDF: 109.3/98

- sign 0.004+/-0.019 χ^2/NDF: 54.9/50

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

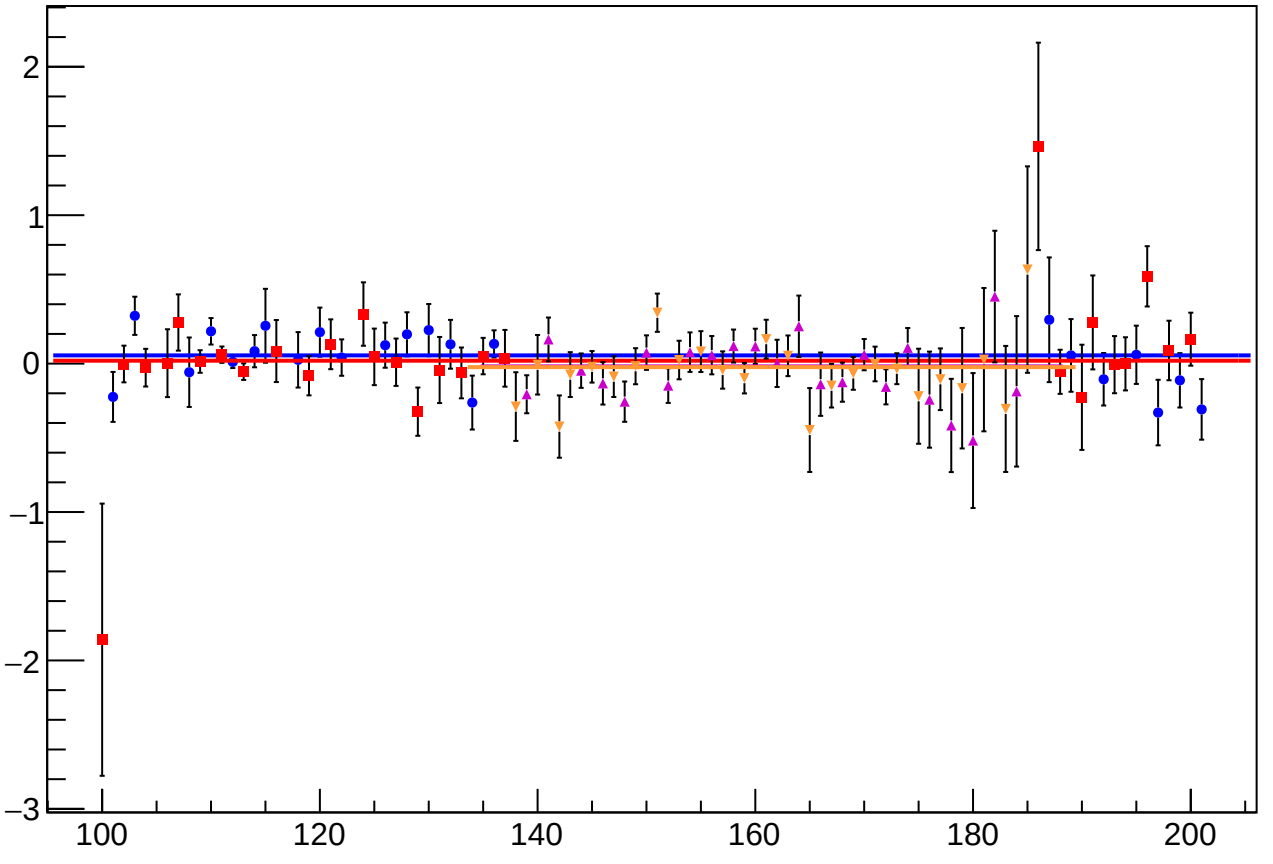
Right Out: 77.114+/-0.018 χ^2/NDF: 7015045.2/27

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 92.932+/-0.014 χ^2/NDF: 14574191.2/47

All: 93.697+/-0.010 χ^2/NDF: 26784608.8/98

- sign 94.450+/-0.014 χ^2/NDF: 12204274.4/50



Right In: 0.055+/-0.026 χ^2/NDF: 27.7/22

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

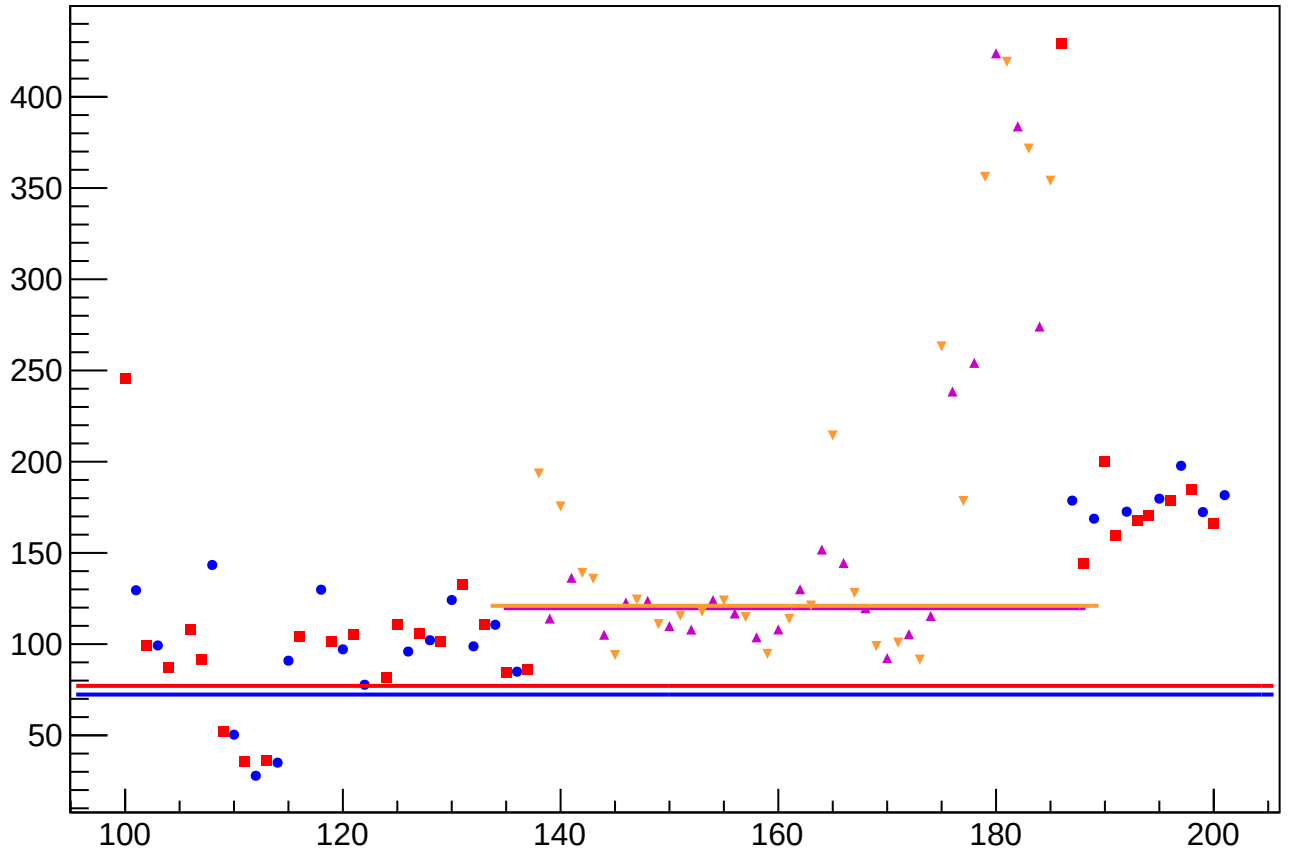
Right Out: 0.020+/-0.025 χ^2/NDF: 31.0/27

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.022+/-0.019 χ^2/NDF: 53.9/47

All: 0.013+/-0.014 χ^2/NDF: 109.3/98

- sign 0.004+/-0.019 χ^2/NDF: 54.9/50



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: 77.114+/-0.018 χ^2/NDF: 7015045.2/27

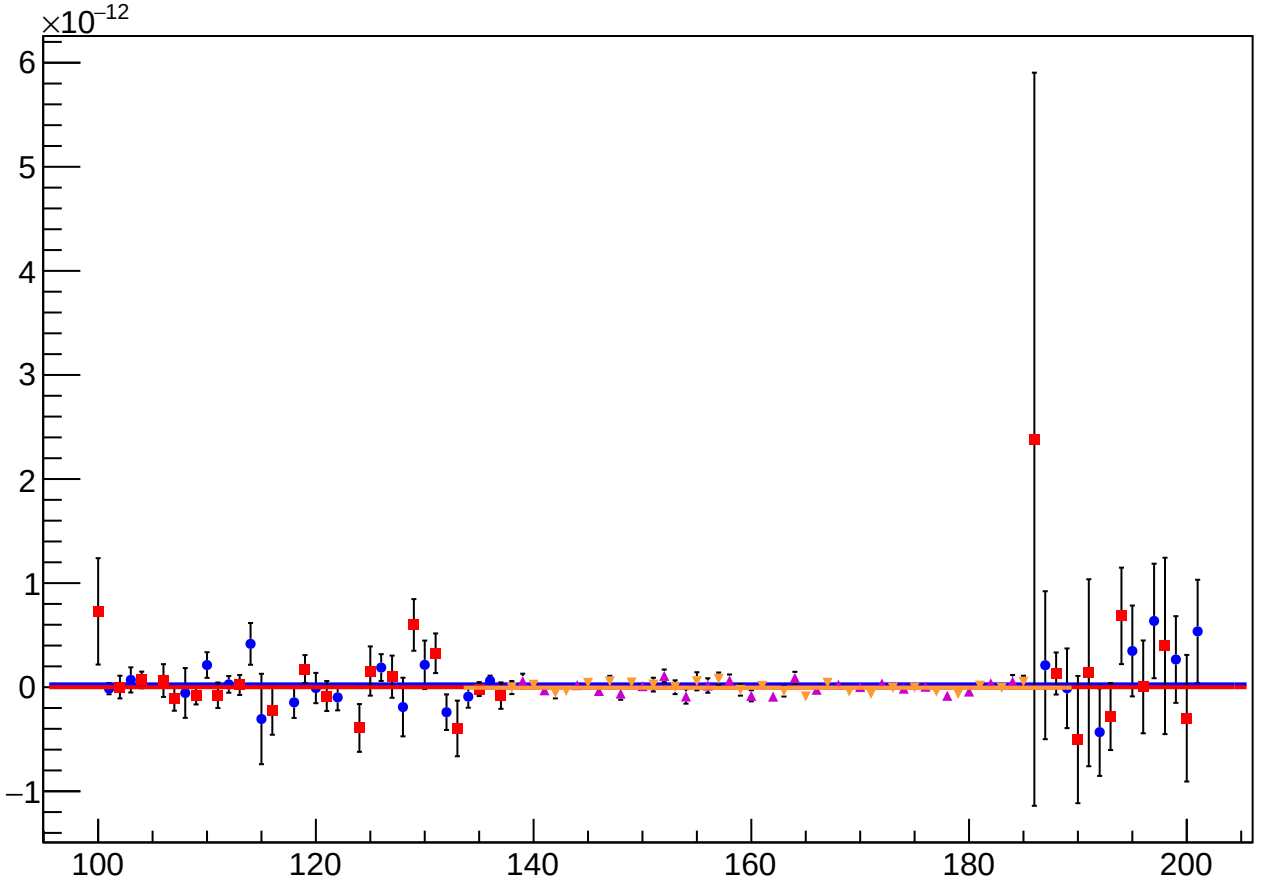
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

\+ sign 92.932+/-0.014 χ^2/NDF: 14574191.2/47

All: 93.697+/-0.010 χ^2/NDF: 26784608.8/98

\- sign 94.450+/-0.014 χ^2/NDF: 12204274.4/50

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

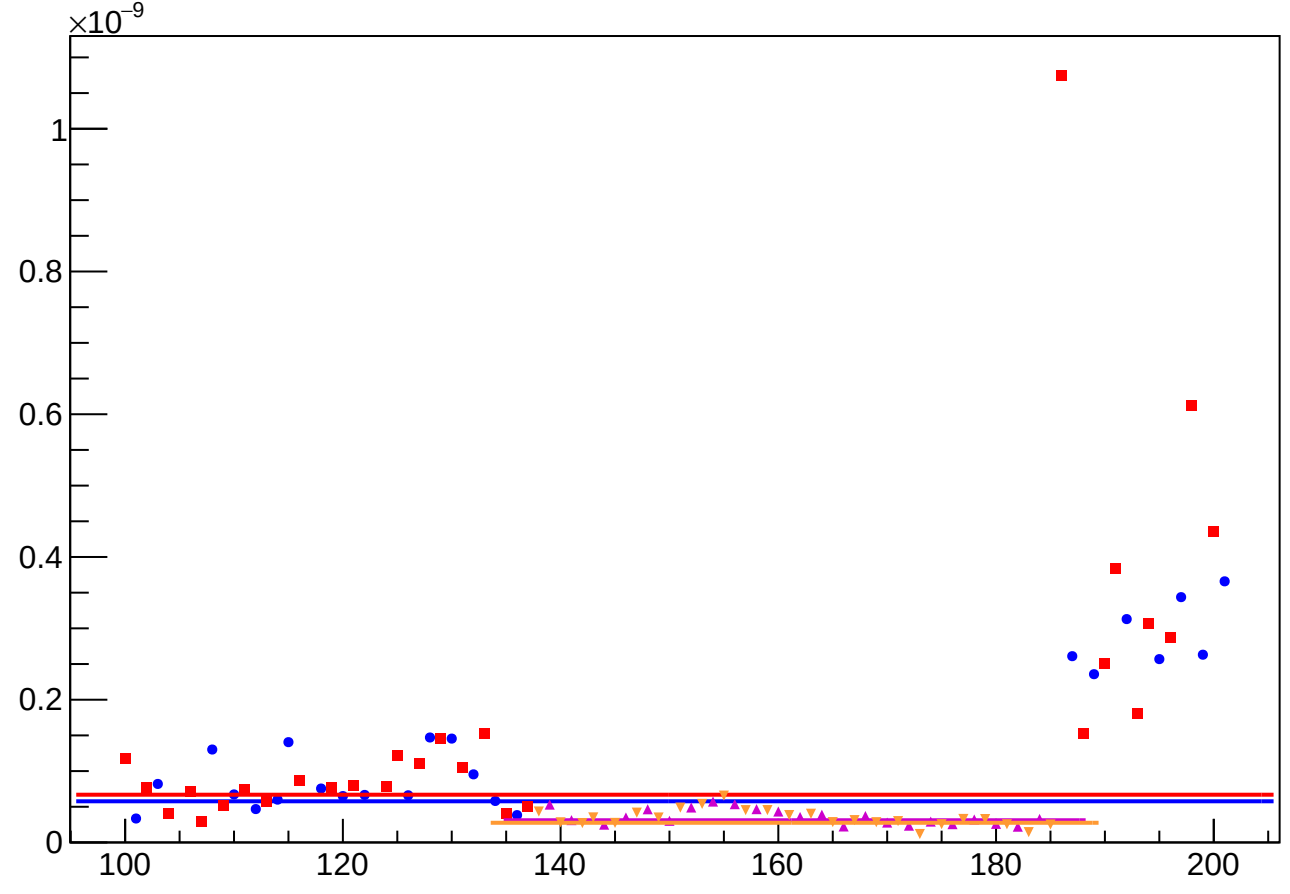
Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/27

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: 100.7/98

- sign -0.000+/-0.000 χ^2/NDF: 55.8/50



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: 5442023.3/27

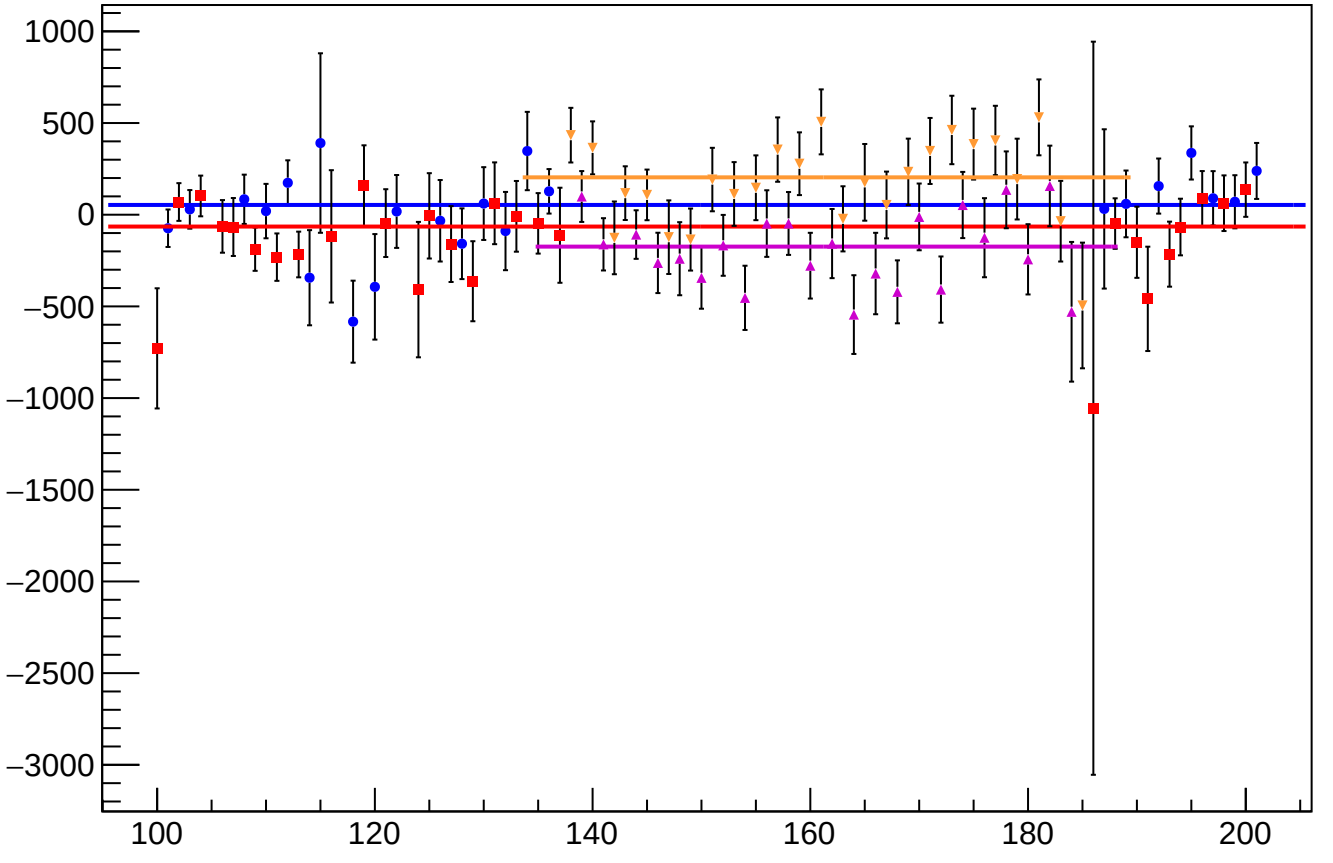
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11428968.2/47

All: 0.000+/-0.000 χ^2/NDF: 21983275.8/98

- sign 0.000+/-0.000 χ^2/NDF: 10296448.5/50

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: -64.589+/-31.709 χ^2/NDF: 23.5/27

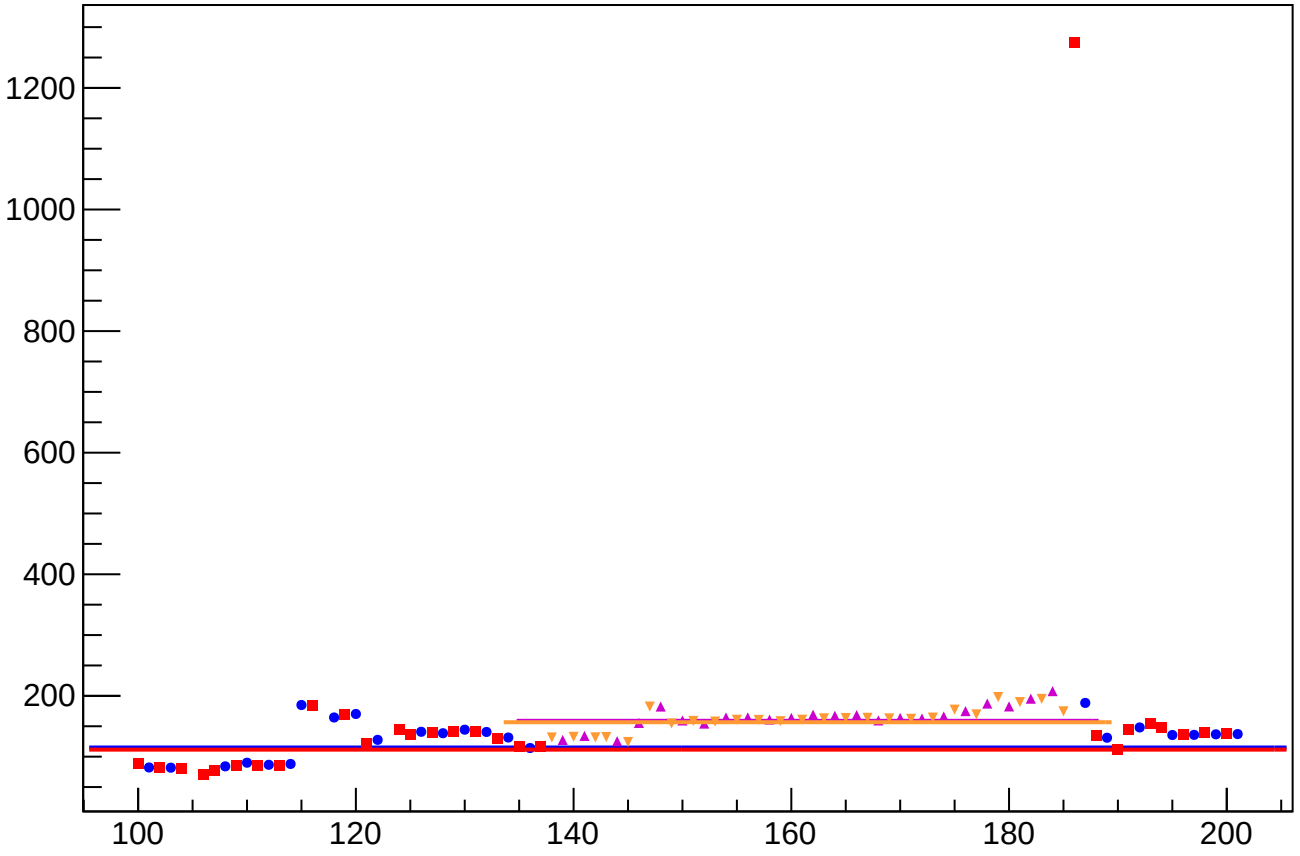
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 123.934+/-24.585 χ^2/NDF: 68.2/47

All: 4.895+/-17.242 χ^2/NDF: 167.3/98

- sign -110.327+/-24.188 χ^2/NDF: 53.0/50

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: 111.559+/-0.022 χ^2/NDF: 2425203.4/27

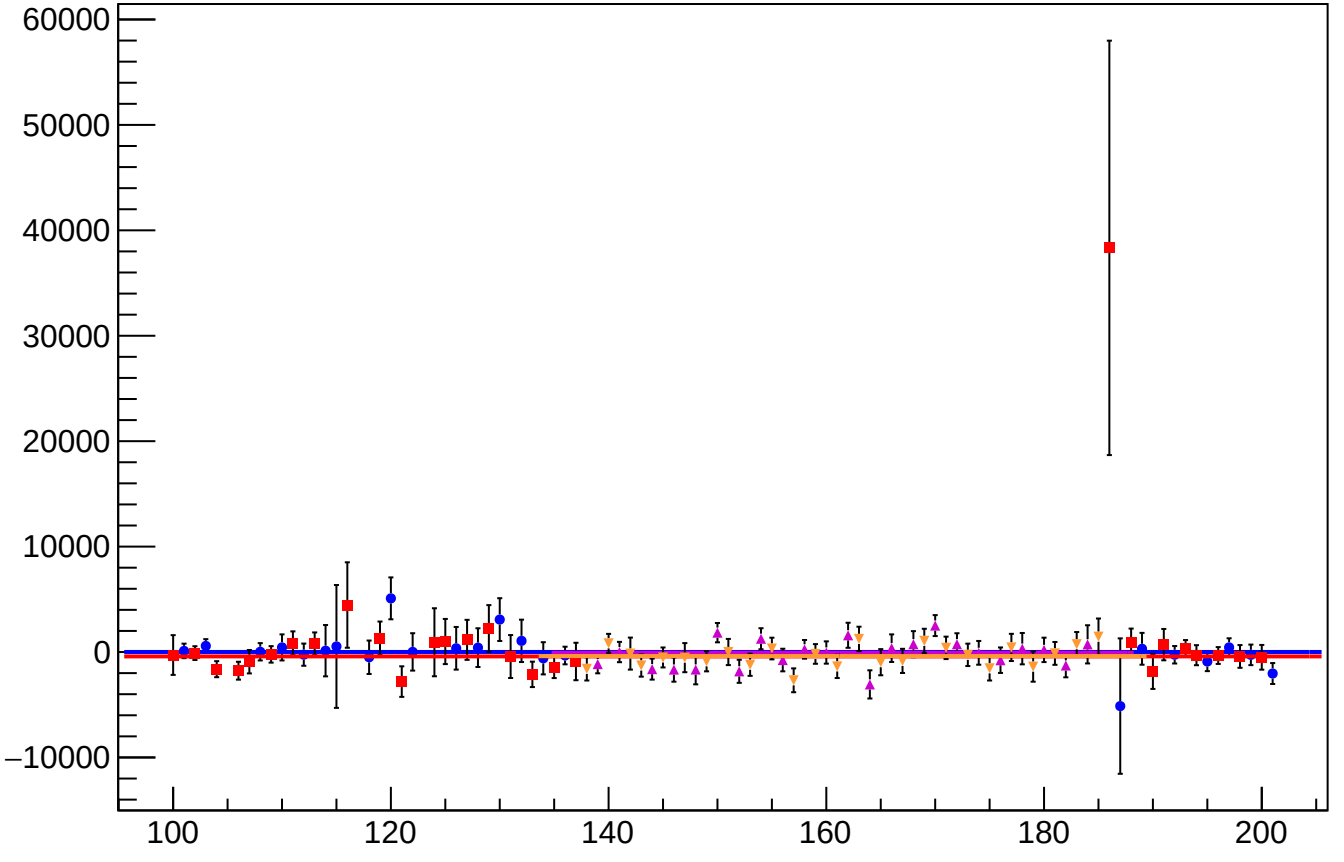
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.570+/-0.017 χ^2/NDF: 3403272.8/47

All: 132.947+/-0.012 χ^2/NDF: 8225066.5/98

- sign 131.376+/-0.017 χ^2/NDF: 4804637.6/50

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: -415.893+/-218.274 χ^2/NDF: 26.3/27

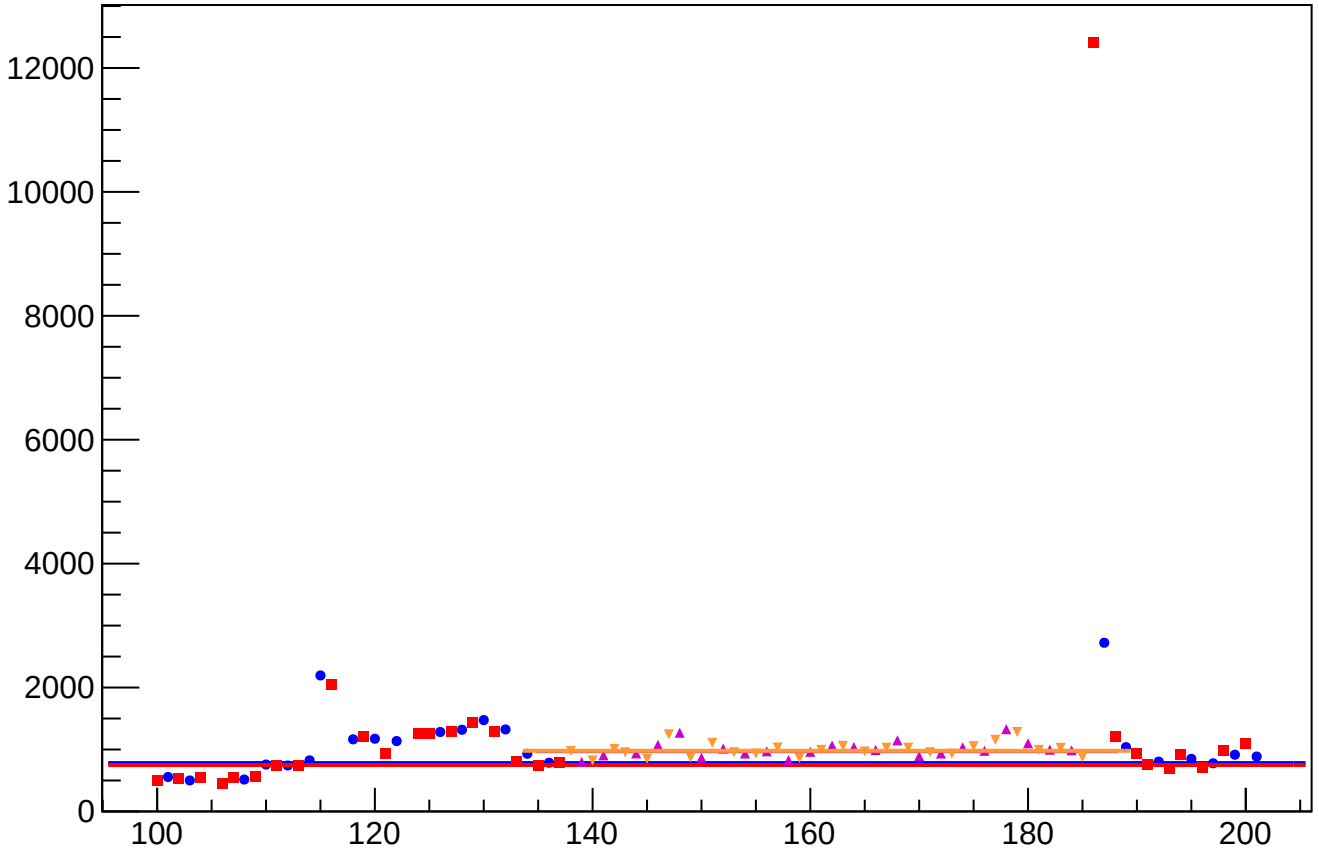
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -195.836+/-162.284 χ^2/NDF: 37.1/47

All: -225.615+/-113.302 χ^2/NDF: 97.7/98

- sign -253.935+/-158.257 χ^2/NDF: 60.6/50

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: 749.791+/-0.154 χ^2/NDF: 3260991.1/27

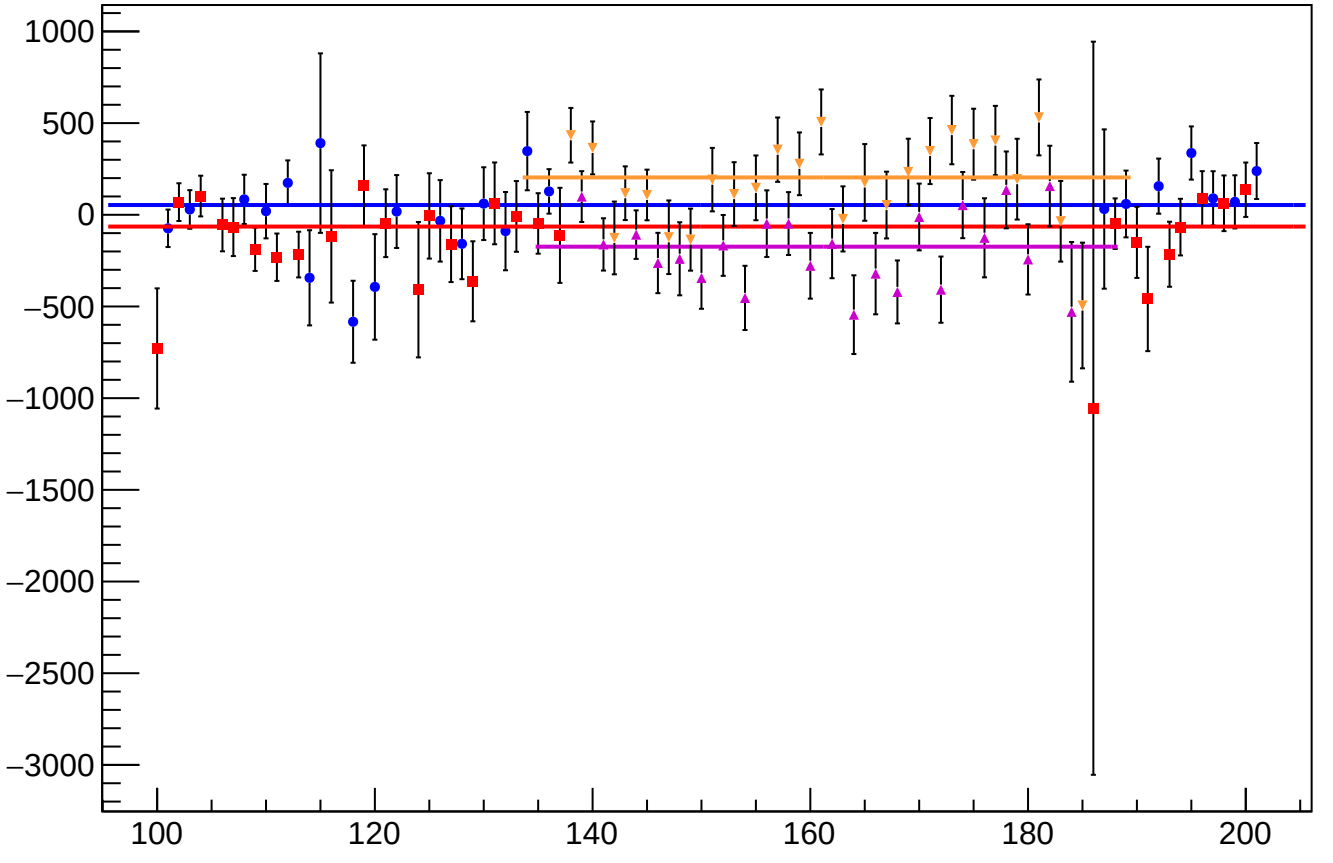
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 884.415+/-0.115 χ^2/NDF: 3380139.5/47

All: 869.877+/-0.080 χ^2/NDF: 8170362.3/98

- sign 856.051+/-0.112 χ^2/NDF: 4758907.2/50

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: -64.217+/-31.711 χ^2/NDF: 23.5/27

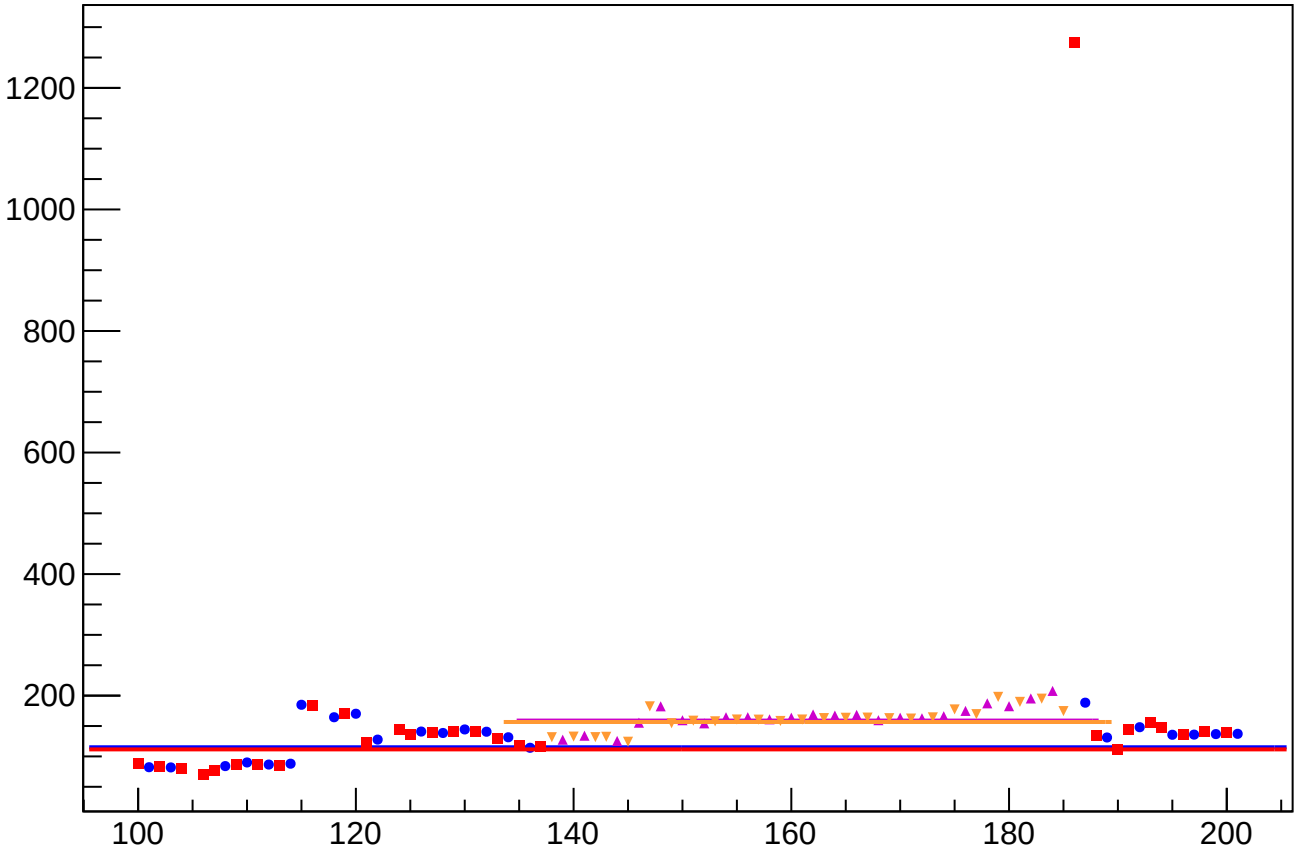
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 123.934+/-24.585 χ^2/NDF: 68.2/47

All: 5.006+/-17.242 χ^2/NDF: 167.2/98

- sign -110.115+/-24.188 χ^2/NDF: 53.0/50

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: 111.543+/-0.022 χ^2/NDF: 2428163.3/27

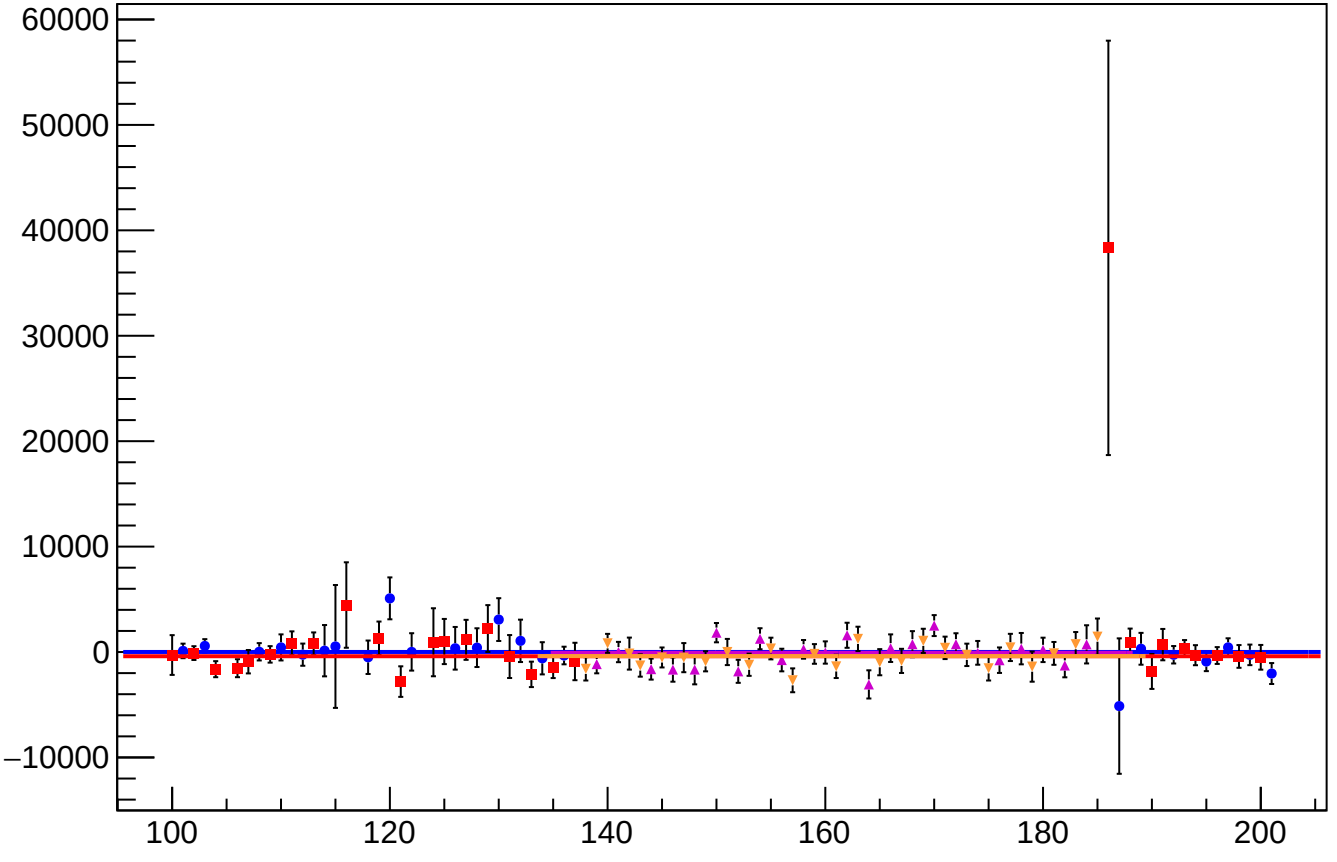
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.570+/-0.017 χ^2/NDF: 3403270.8/47

All: 132.943+/-0.012 χ^2/NDF: 8229255.5/98

- sign 131.368+/-0.017 χ^2/NDF: 4808744.2/50

asym_sam5_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: -398.876+/-218.369 χ^2/NDF: 25.5/27

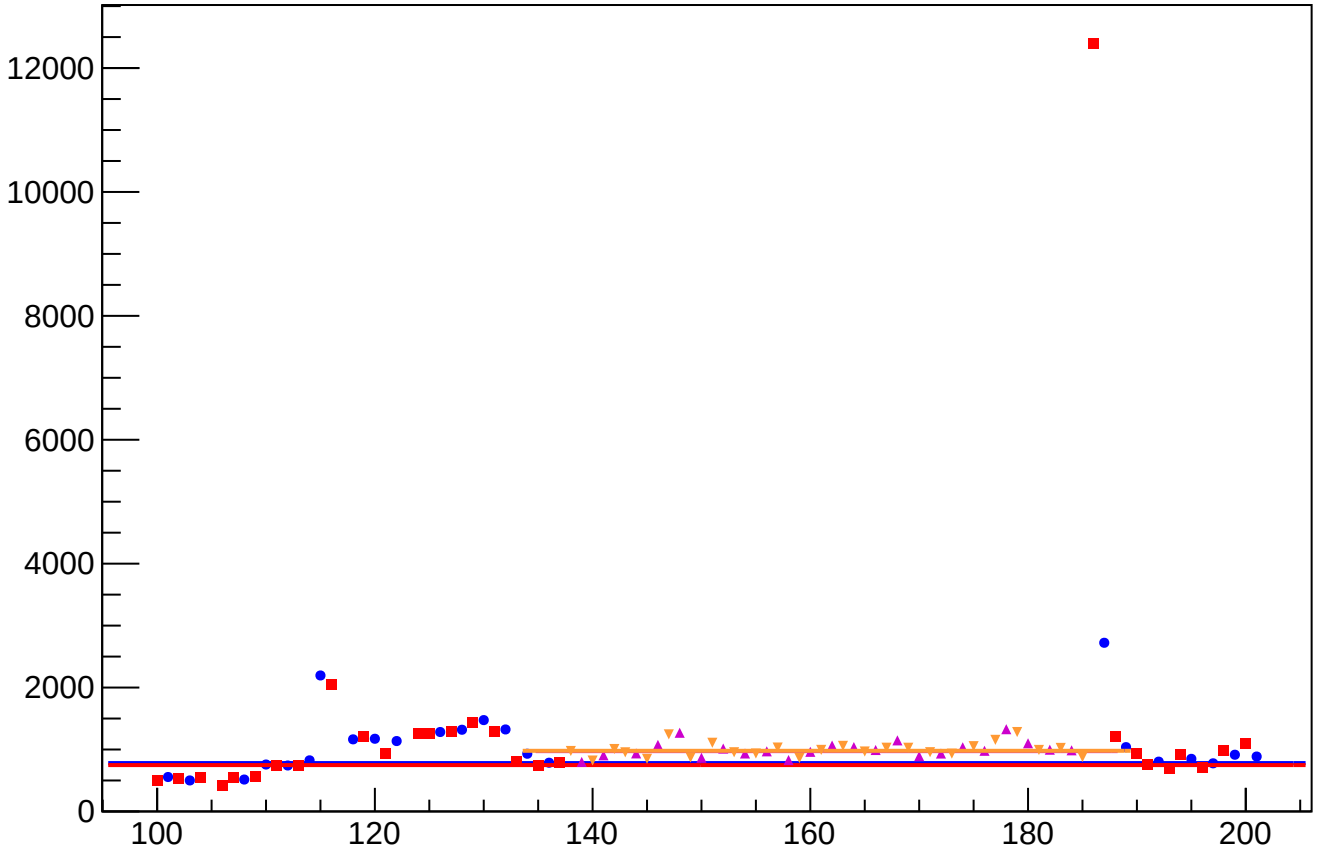
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -195.830+/-162.284 χ^2/NDF: 37.1/47

All: -220.985+/-113.315 χ^2/NDF: 96.7/98

- sign -244.918+/-158.293 χ^2/NDF: 59.6/50

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: 748.454+/-0.154 χ^2/NDF: 3299554.2/27

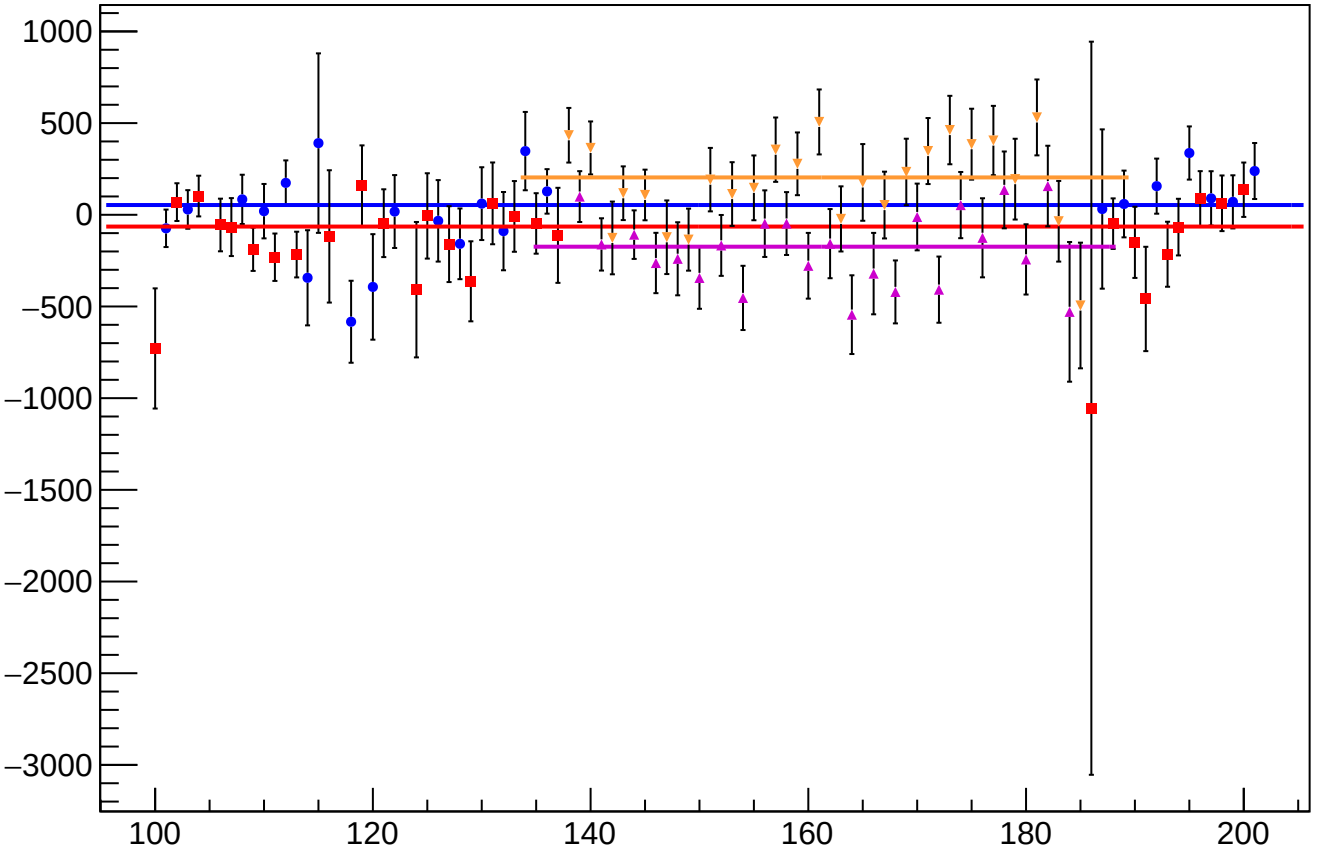
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 884.415+/-0.115 χ^2/NDF: 3380144.8/47

All: 869.545+/-0.080 χ^2/NDF: 8221937.1/98

- sign 855.397+/-0.112 χ^2/NDF: 4809022.3/50

eigen_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: -64.217+/-31.711 χ^2/NDF: 23.5/27

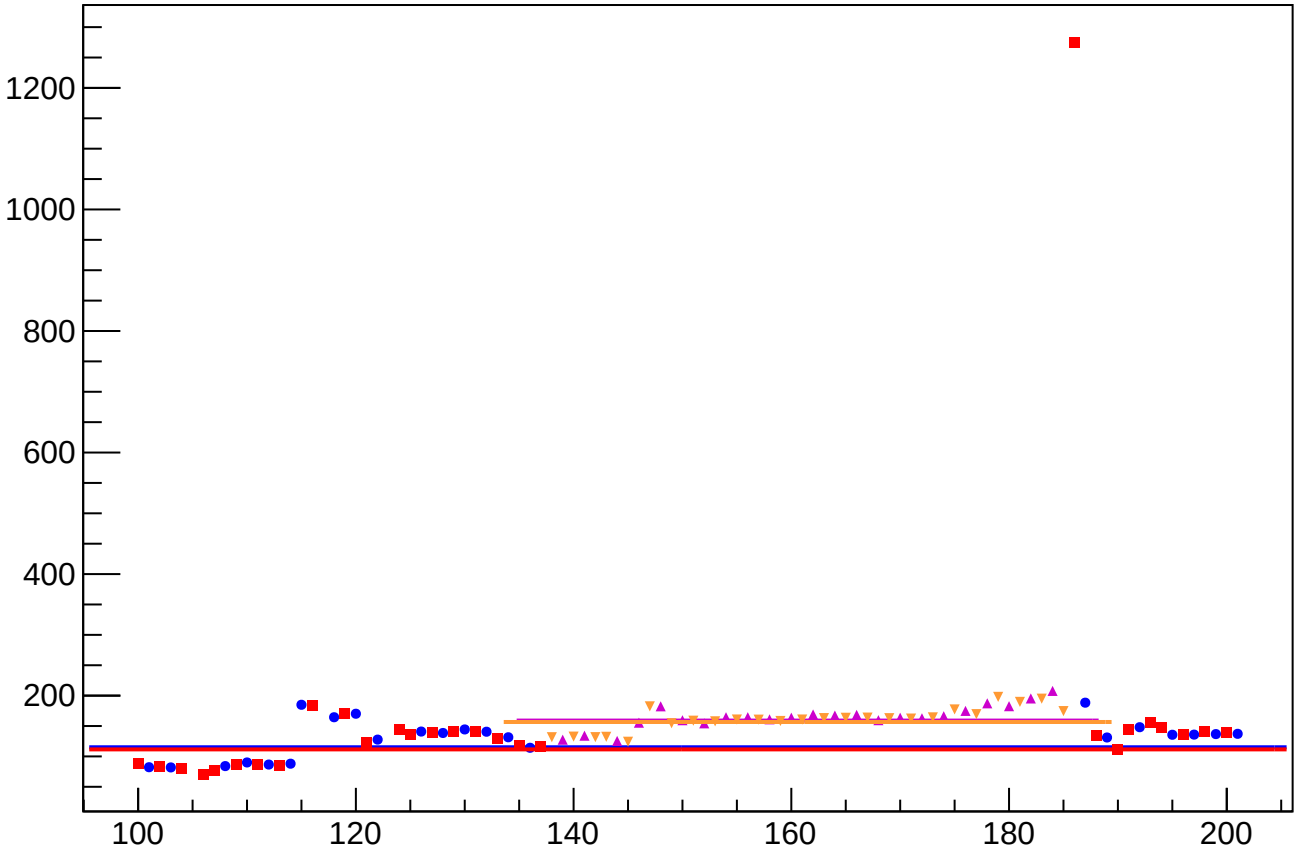
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 123.934+/-24.585 χ^2/NDF: 68.2/47

All: 5.006+/-17.242 χ^2/NDF: 167.2/98

- sign -110.115+/-24.188 χ^2/NDF: 53.0/50

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: 111.543+/-0.022 χ^2/NDF: 2428163.3/27

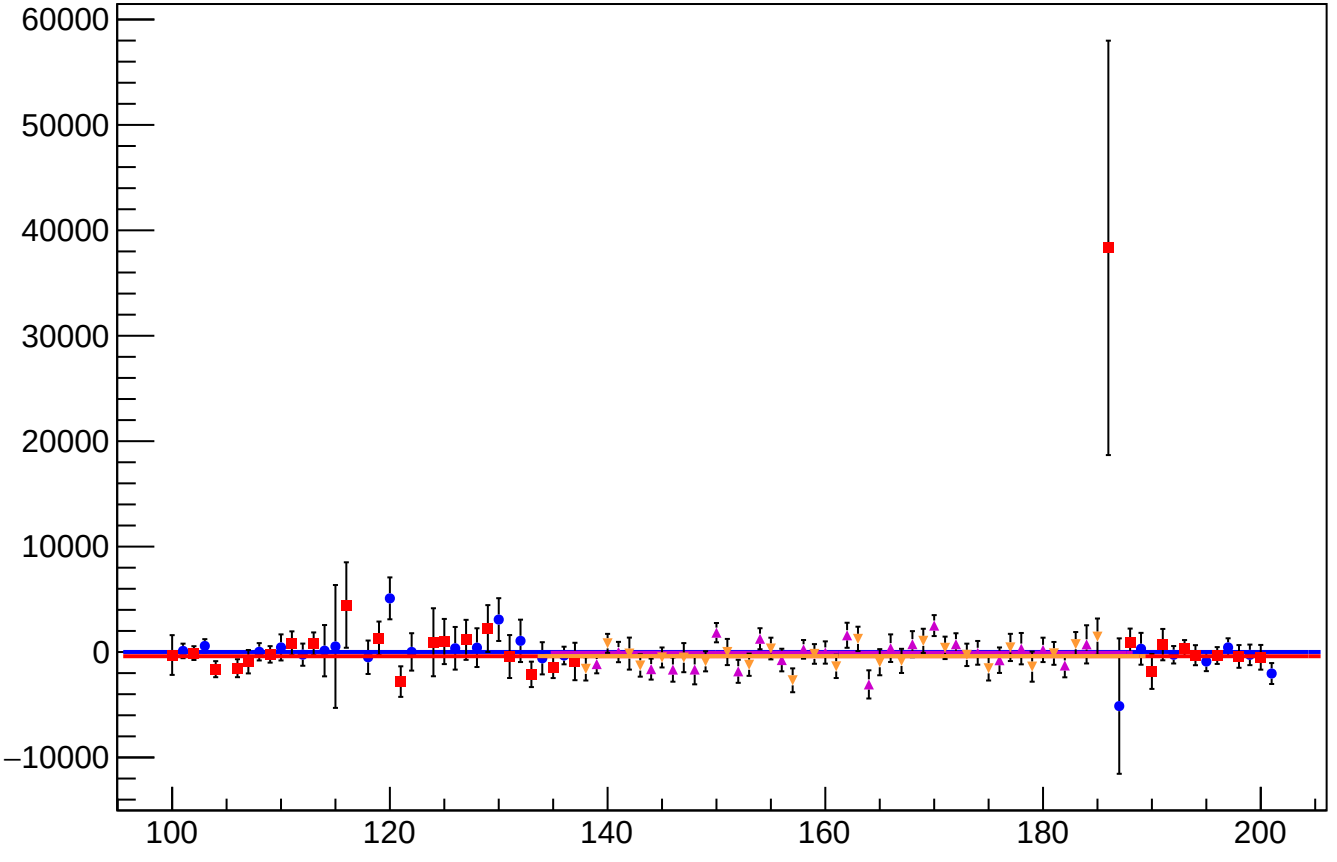
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.570+/-0.017 χ^2/NDF: 3403270.8/47

All: 132.943+/-0.012 χ^2/NDF: 8229255.5/98

- sign 131.368+/-0.017 χ^2/NDF: 4808744.2/50

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: -398.876+/-218.369 χ^2/NDF: 25.5/27

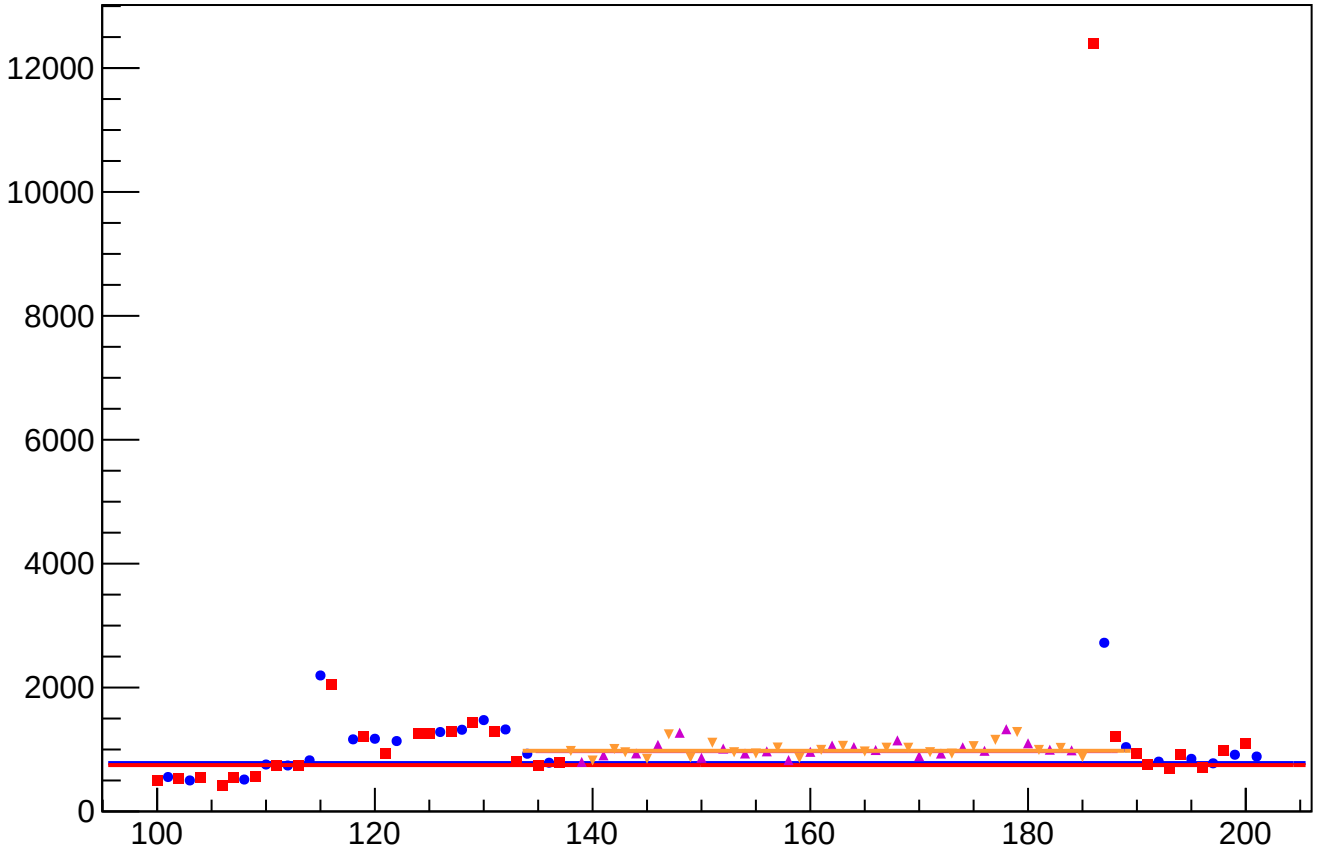
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -195.830+/-162.284 χ^2/NDF: 37.1/47

All: -220.985+/-113.315 χ^2/NDF: 96.7/98

- sign -244.918+/-158.293 χ^2/NDF: 59.6/50

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: 748.454+/-0.154 χ^2/NDF: 3299554.2/27

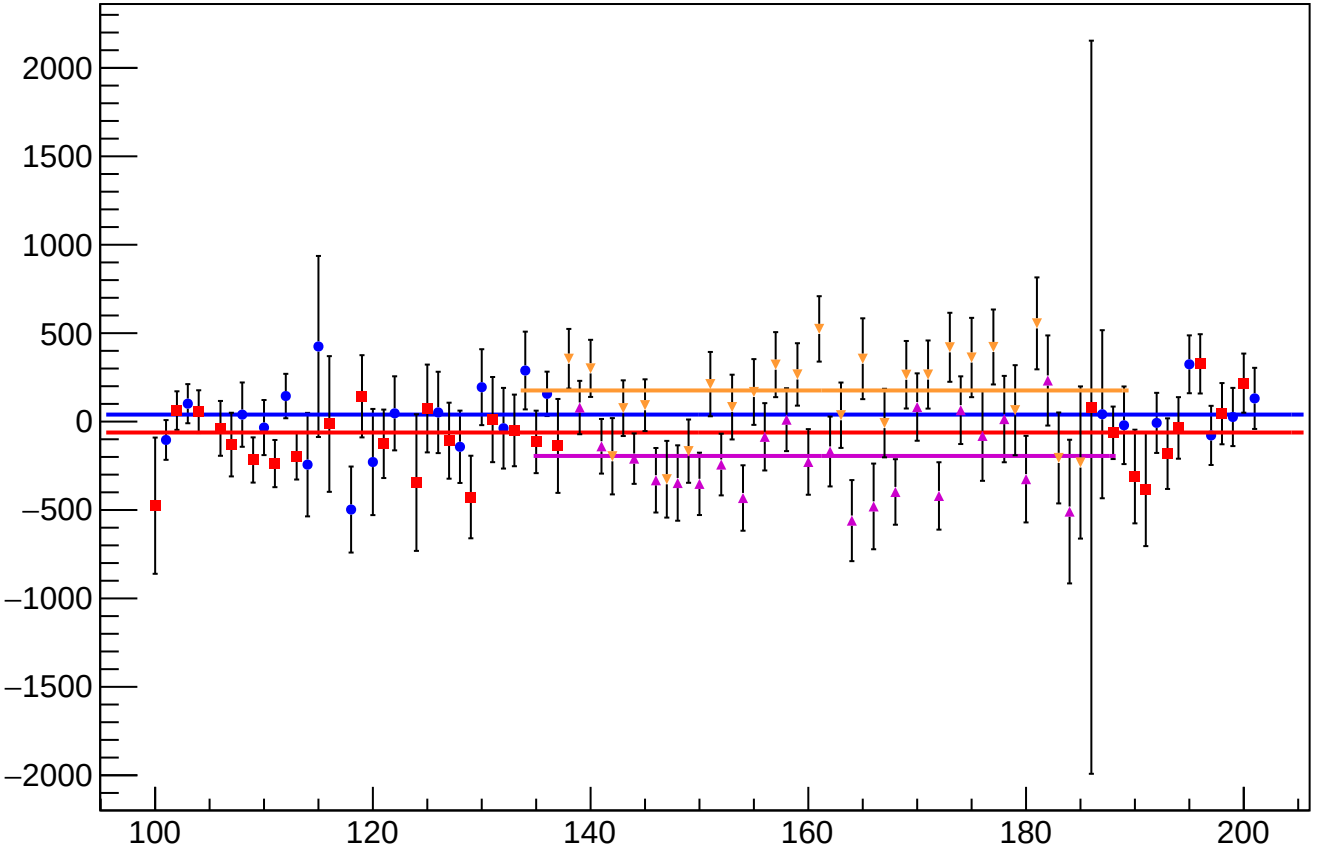
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 884.415+/-0.115 χ^2/NDF: 3380144.8/47

All: 869.545+/-0.080 χ^2/NDF: 8221937.1/98

- sign 855.397+/-0.112 χ^2/NDF: 4809022.3/50

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: -61.821+/-34.482 χ^2/NDF: 23.1/27

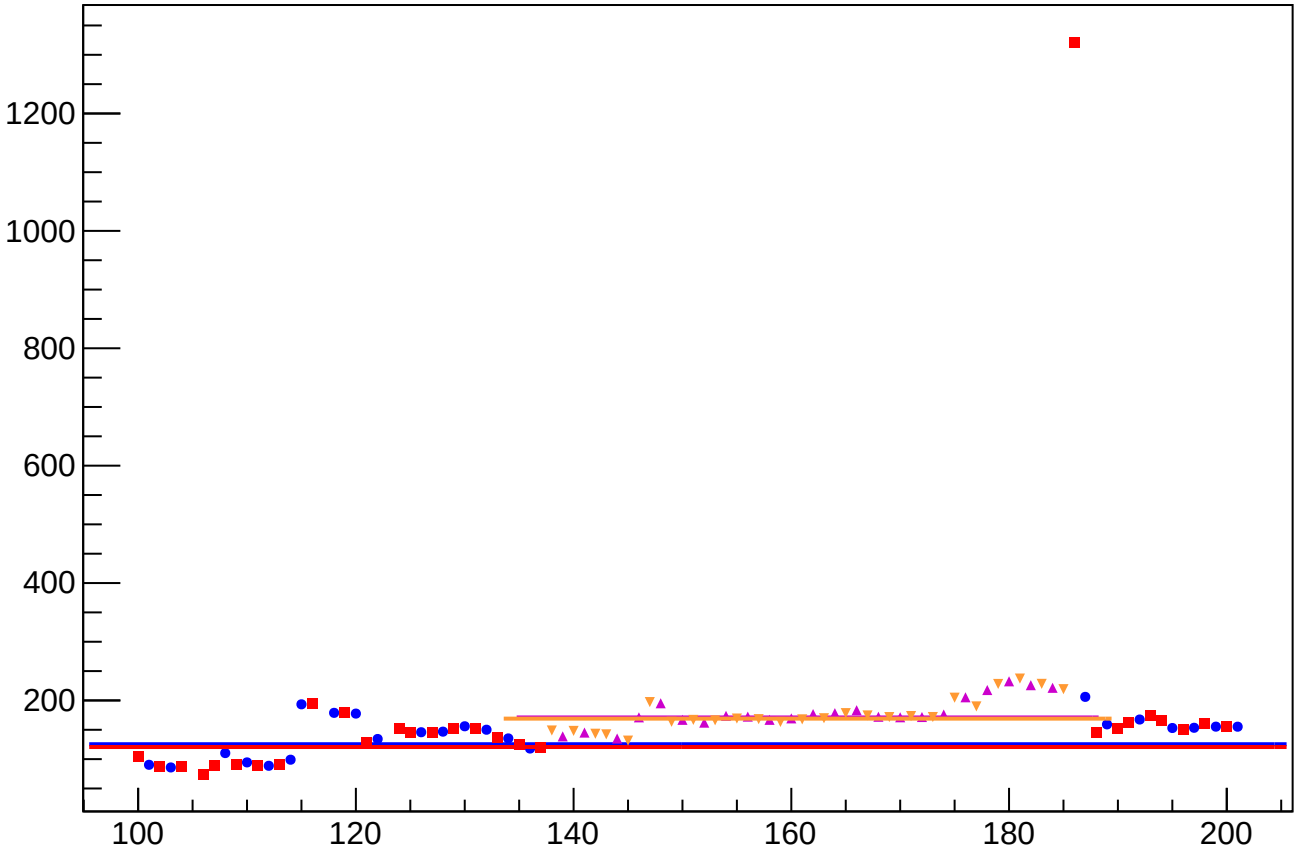
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 104.374+/-26.762 χ^2/NDF: 54.8/47

All: -8.916+/-18.730 χ^2/NDF: 143.1/98

- sign -117.693+/-26.223 χ^2/NDF: 53.2/50

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: 120.639+/-0.024 χ^2/NDF: 2593304.4/27

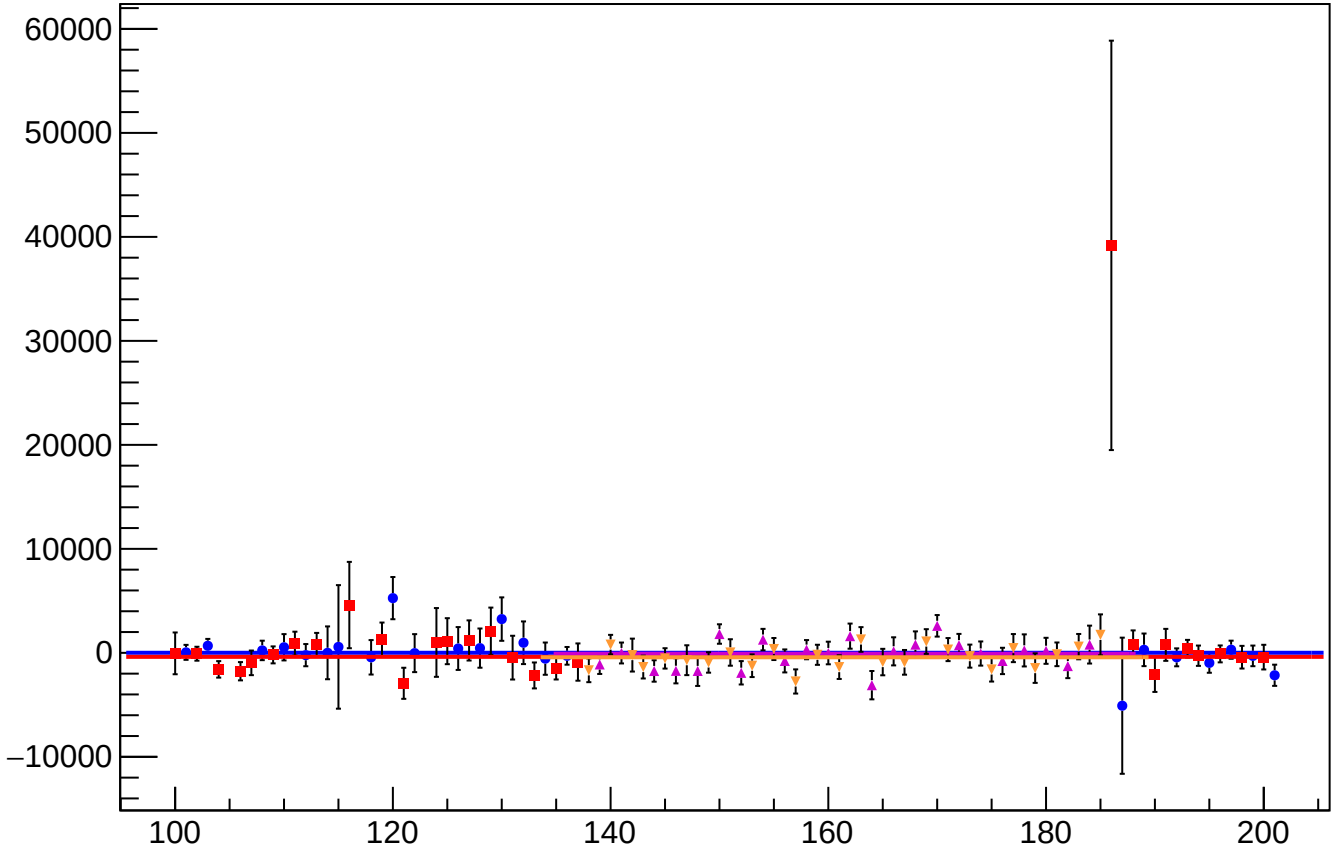
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.108+/-0.019 χ^2/NDF: 3604442.4/47

All: 143.953+/-0.013 χ^2/NDF: 8701626.6/98

- sign 141.883+/-0.019 χ^2/NDF: 5071754.2/50

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: -385.529+/-225.425 χ^2/NDF: 26.2/27

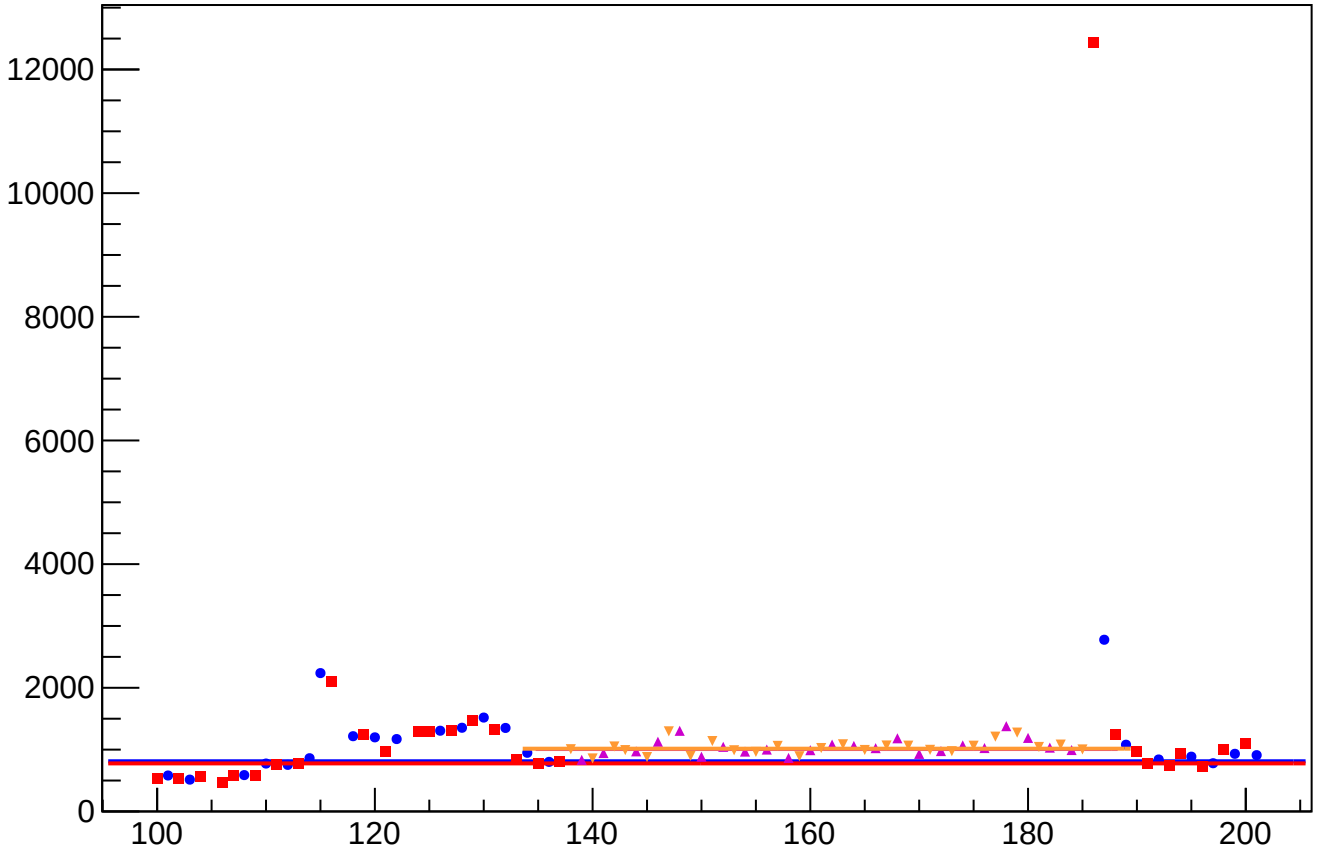
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -218.973+/-168.068 χ^2/NDF: 37.8/47

All: -231.924+/-117.273 χ^2/NDF: 97.2/98

- sign -244.213+/-163.715 χ^2/NDF: 59.4/50

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: 777.174+/-0.159 χ^2/NDF: 3150155.7/27

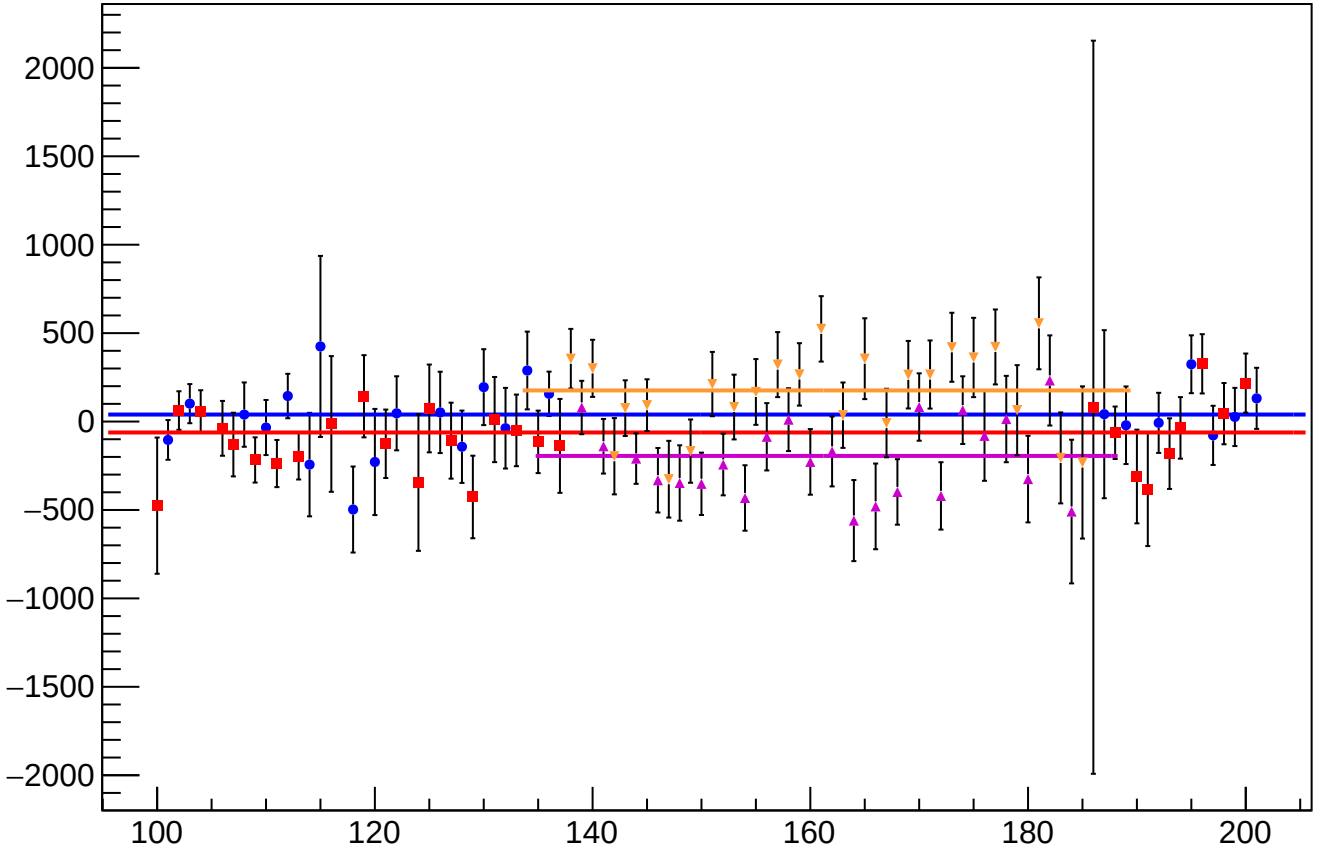
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 917.883+/-0.119 χ^2/NDF: 3210791.3/47

All: 902.059+/-0.083 χ^2/NDF: 7899645.0/98

- sign 887.044+/-0.116 χ^2/NDF: 4654300.1/50

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: -61.822+/-34.482 χ^2/NDF: 23.1/27

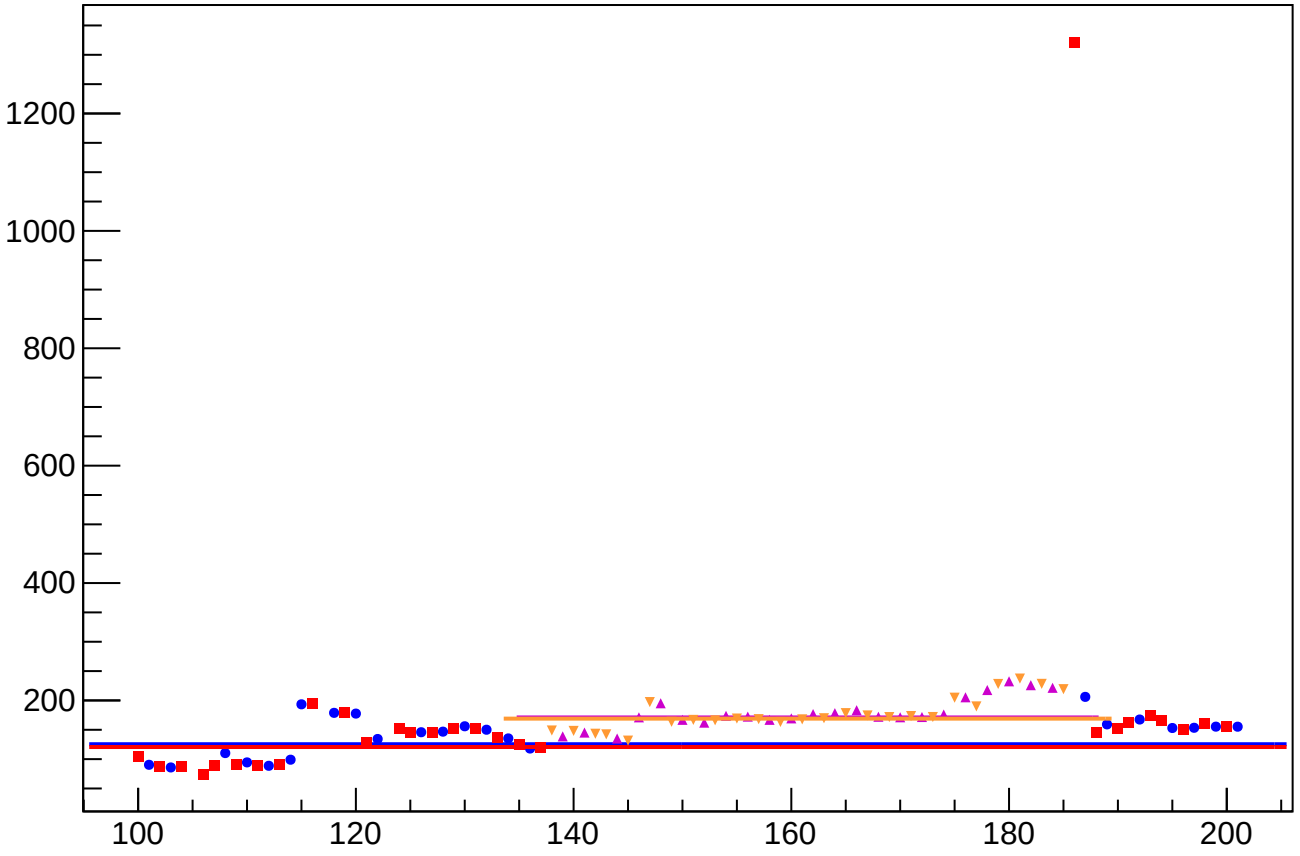
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 104.374+/-26.762 χ^2/NDF: 54.8/47

All: -8.916+/-18.730 χ^2/NDF: 143.1/98

- sign -117.693+/-26.223 χ^2/NDF: 53.2/50

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: 120.639+/-0.024 χ^2/NDF: 2593305.3/27

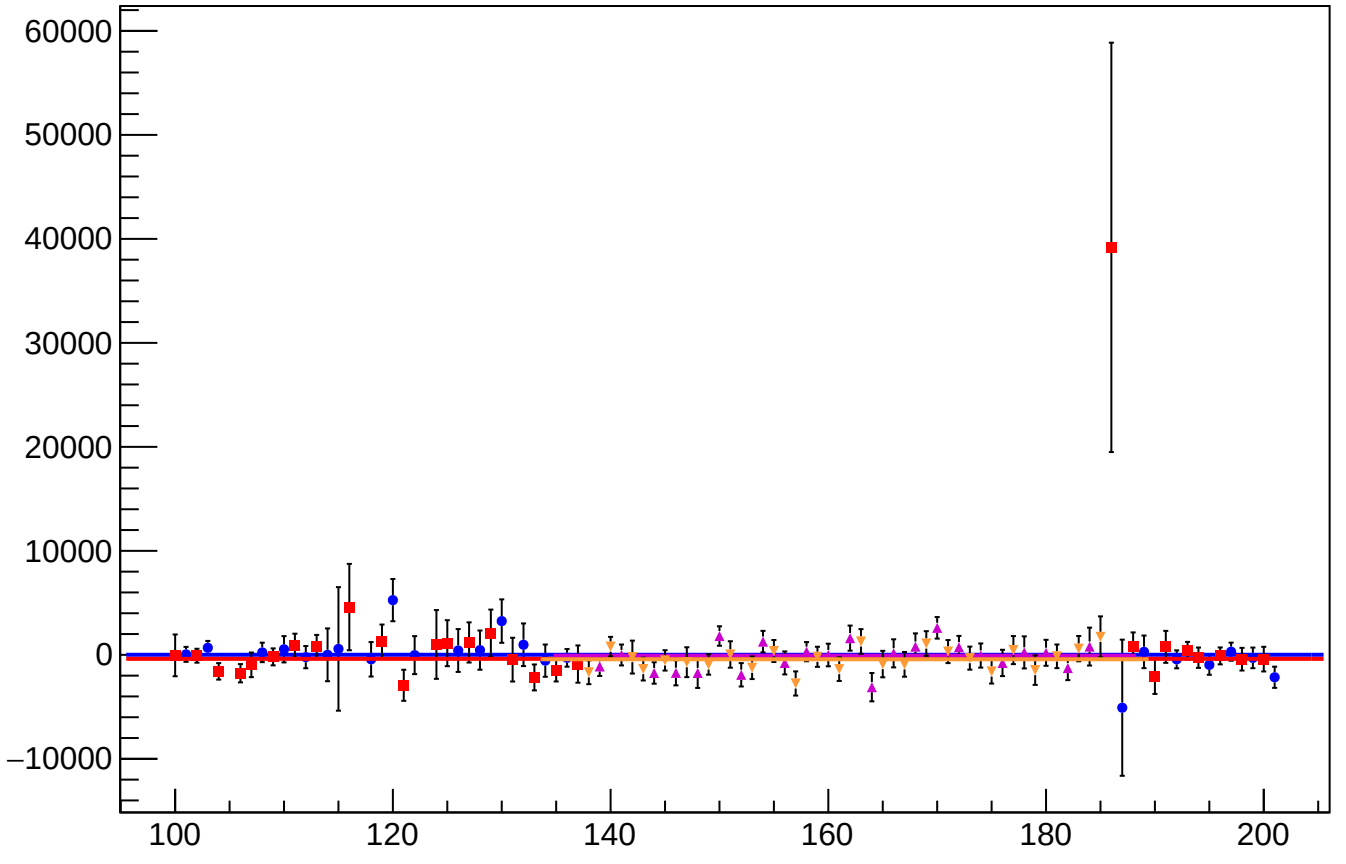
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.108+/-0.019 χ^2/NDF: 3604461.0/47

All: 143.952+/-0.013 χ^2/NDF: 8701665.8/98

- sign 141.883+/-0.019 χ^2/NDF: 5071775.6/50

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: -385.530+/-225.425 χ^2/NDF: 26.2/27

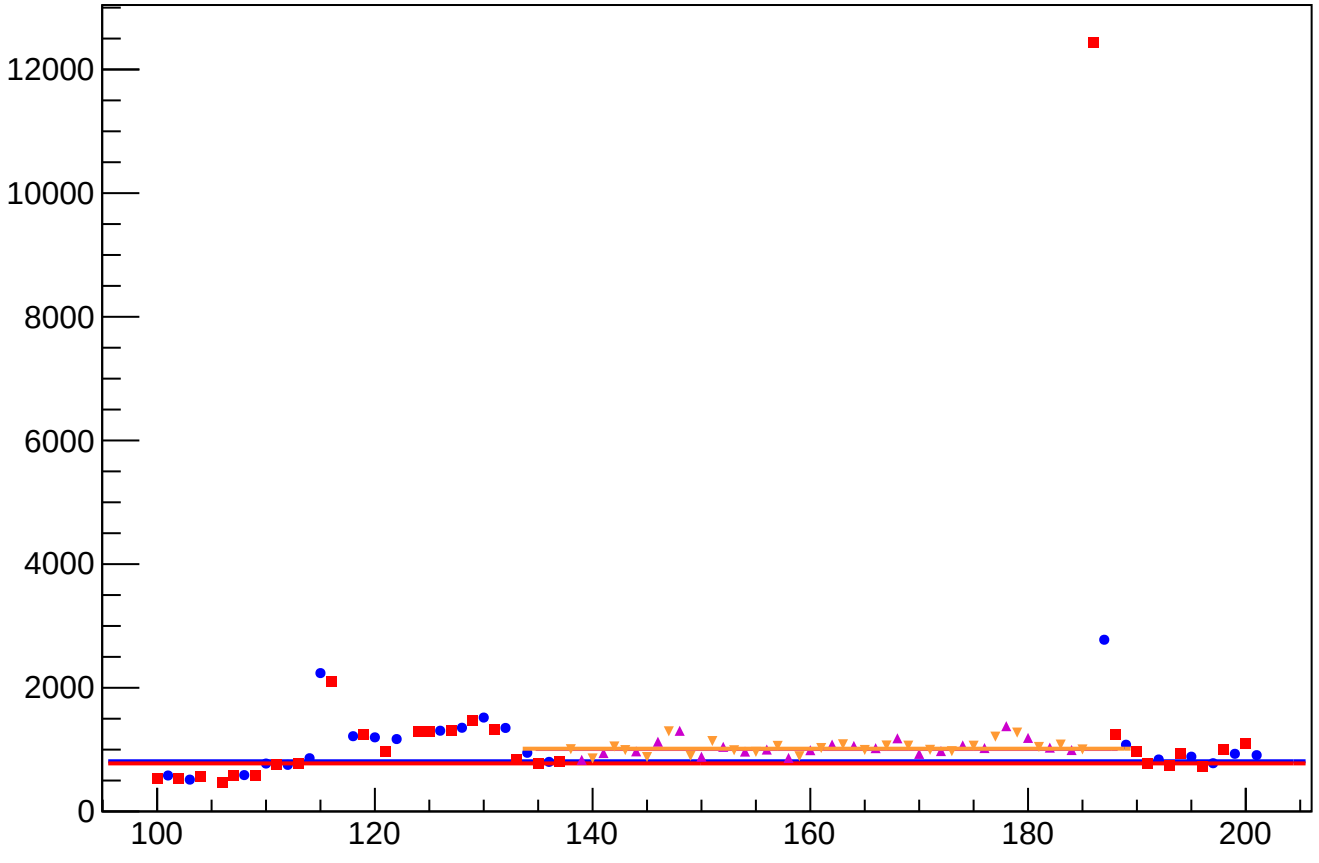
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -218.972+/-168.068 χ^2/NDF: 37.8/47

All: -231.924+/-117.273 χ^2/NDF: 97.2/98

- sign -244.213+/-163.715 χ^2/NDF: 59.4/50

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: 777.173+/-0.159 χ^2/NDF: 3150162.3/27

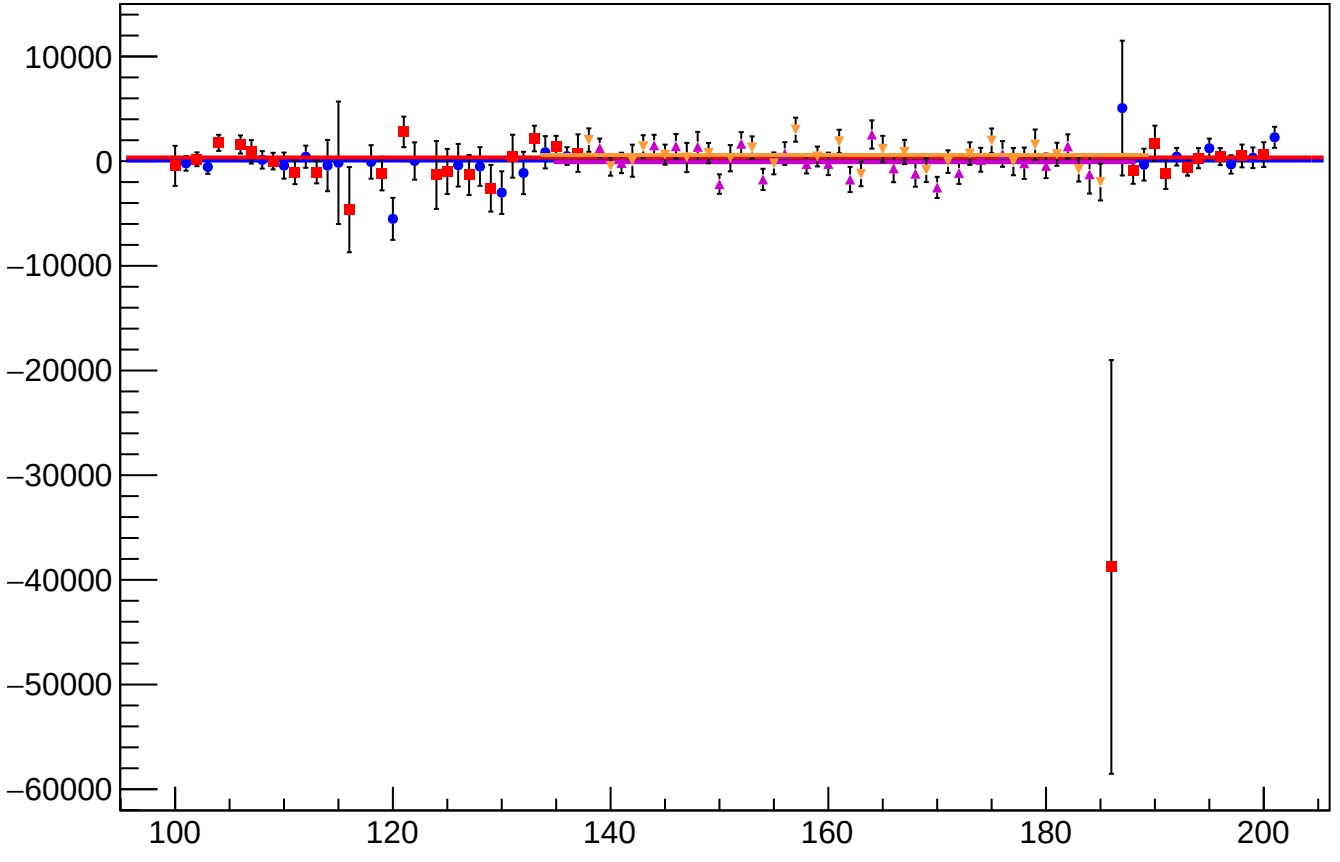
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 917.883+/-0.119 χ^2/NDF: 3210803.8/47

All: 902.059+/-0.083 χ^2/NDF: 7899679.1/98

- sign 887.044+/-0.116 χ^2/NDF: 4654321.8/50

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: 354.434+/-221.177 χ^2/NDF: 28.5/27

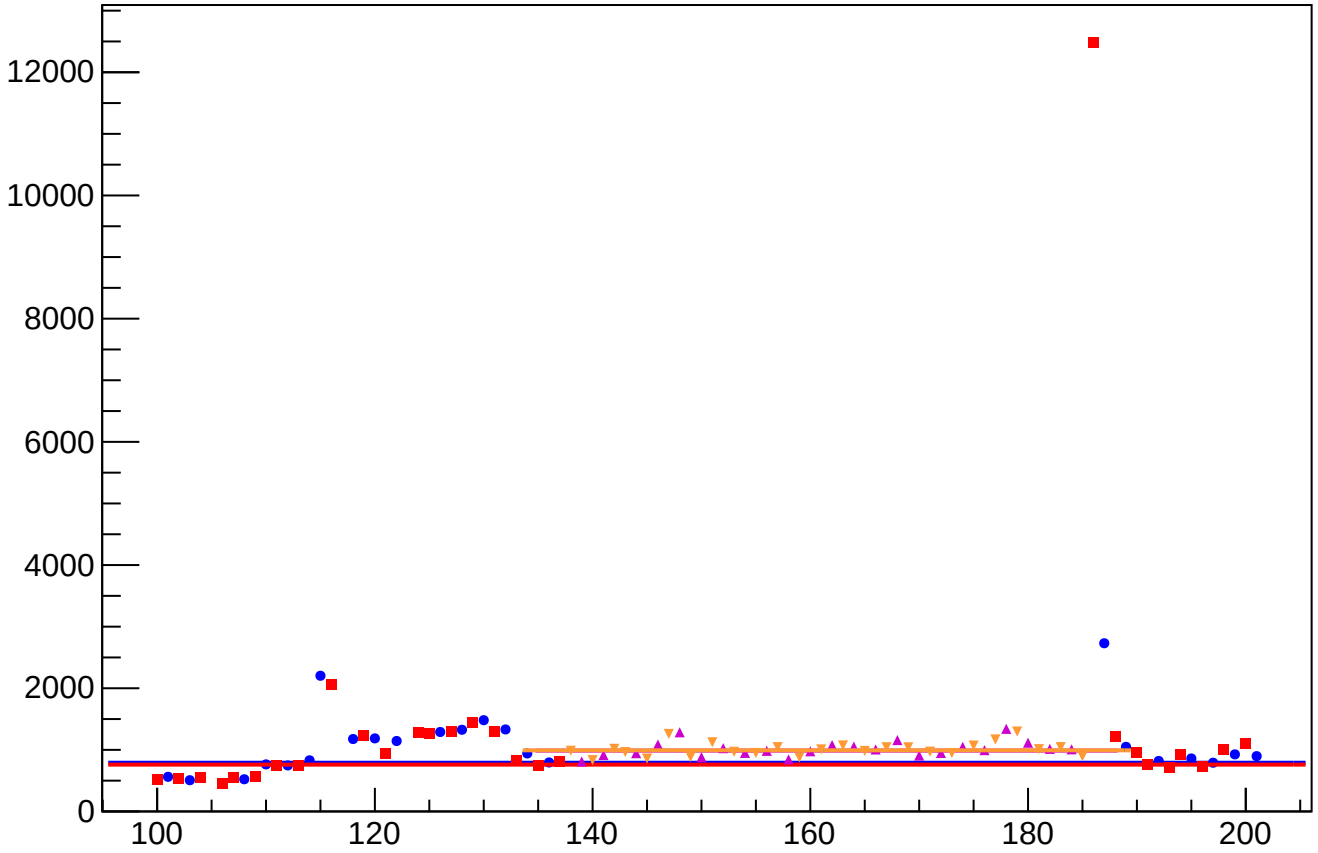
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

\+ sign 335.034+/-164.373 χ^2/NDF: 43.3/47

All: 236.435+/-114.806 χ^2/NDF: 109.0/98

\- sign 142.524+/-160.419 χ^2/NDF: 65.1/50

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: 760.120+/-0.156 χ^2/NDF: 3235129.0/27

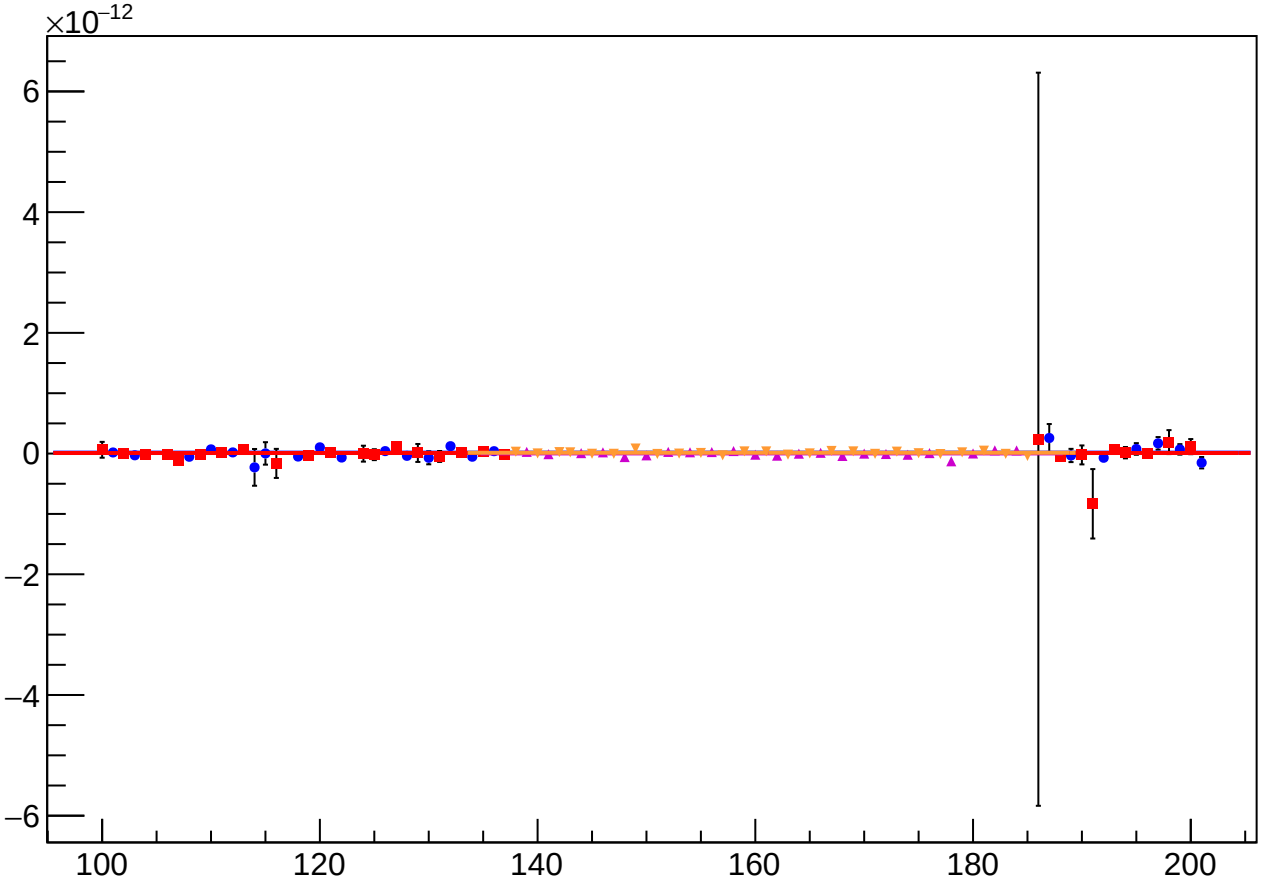
Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 896.115+/-0.116 χ^2/NDF: 3359084.3/47

All: 881.725+/-0.081 χ^2/NDF: 8116175.9/98

- sign 868.020+/-0.113 χ^2/NDF: 4727167.6/50

asym_sam5_reg_vs_cor_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:23.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/27

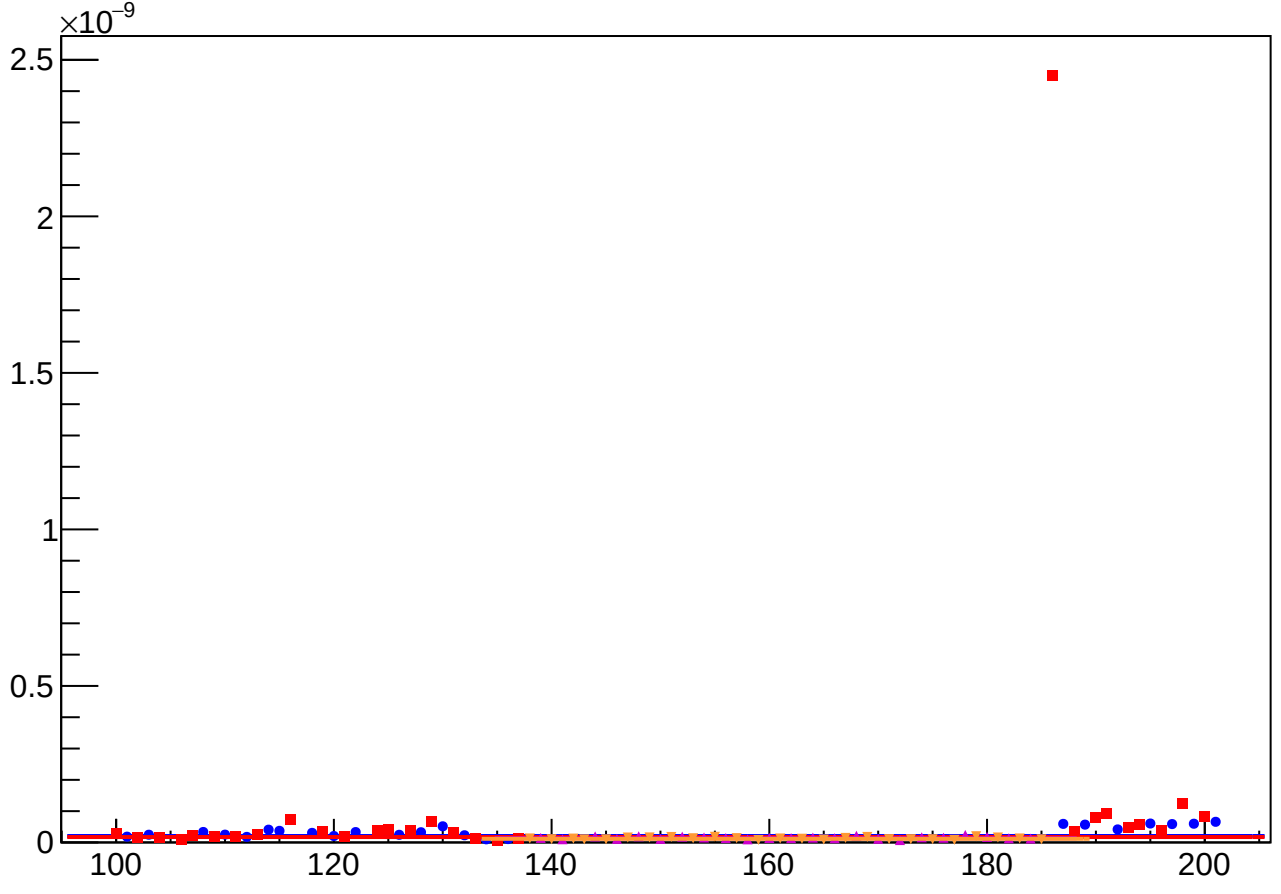
Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.0/47

All: 0.000+/-0.000 χ^2/NDF: 100.6/98

- sign 0.000+/-0.000 χ^2/NDF: 48.2/50

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: 4795074.9/27

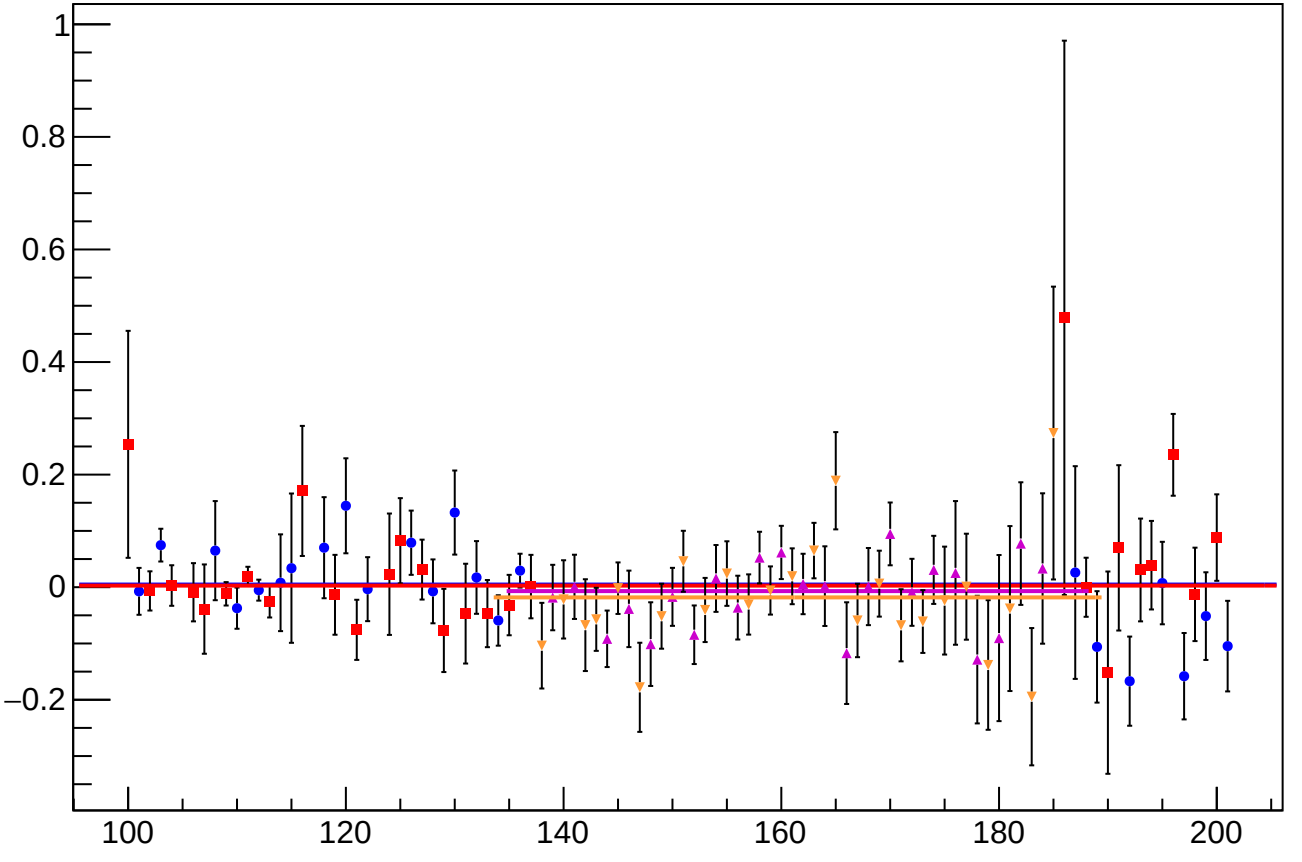
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5257900.5/47

All: 0.000+/-0.000 χ^2/NDF: 11261076.4/98

- sign 0.000+/-0.000 χ^2/NDF: 5926718.2/50

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: 0.003+/-0.009 χ^2/NDF: 26.5/27

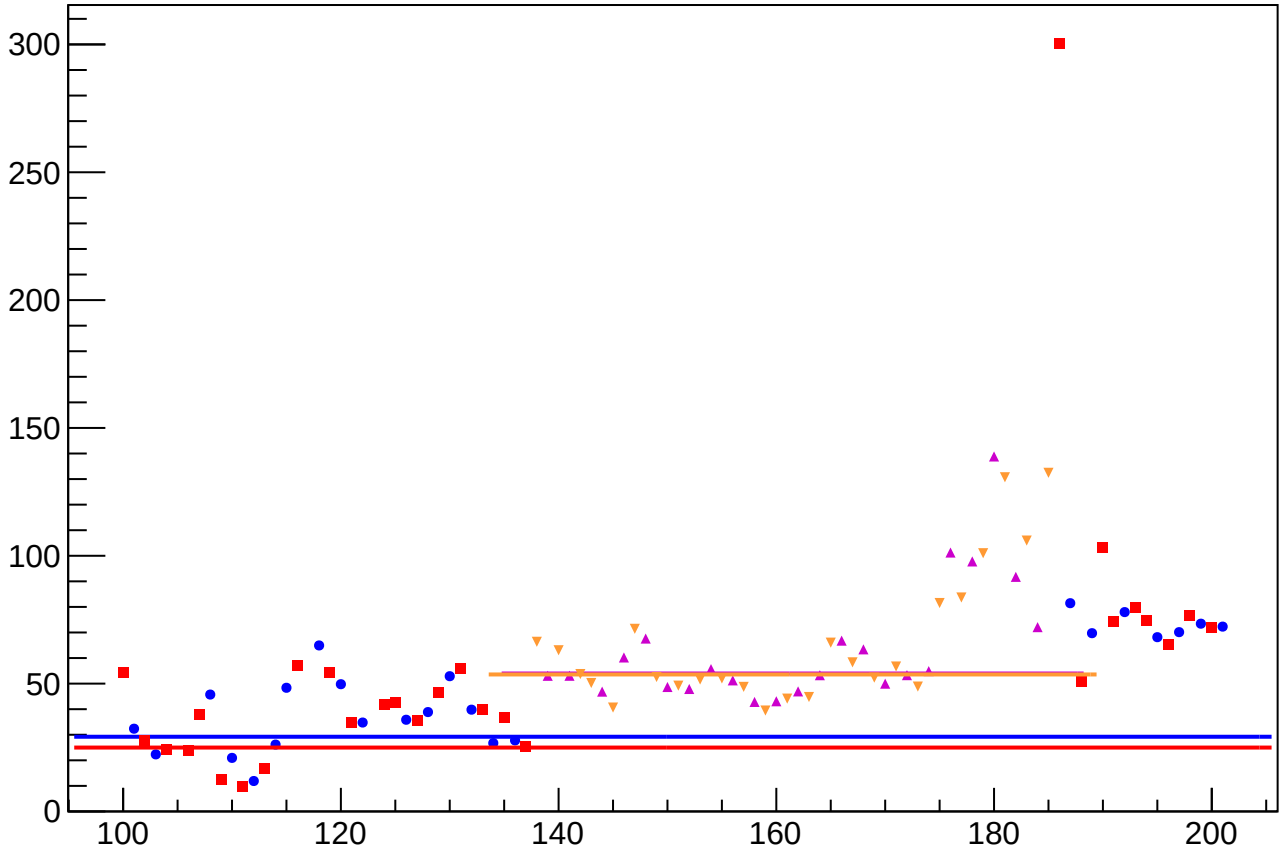
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.8/47

All: -0.002+/-0.005 χ^2/NDF: 103.5/98

- sign -0.000+/-0.007 χ^2/NDF: 45.6/50

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: 24.991+/-0.006 χ^2/NDF: 9430504.1/27

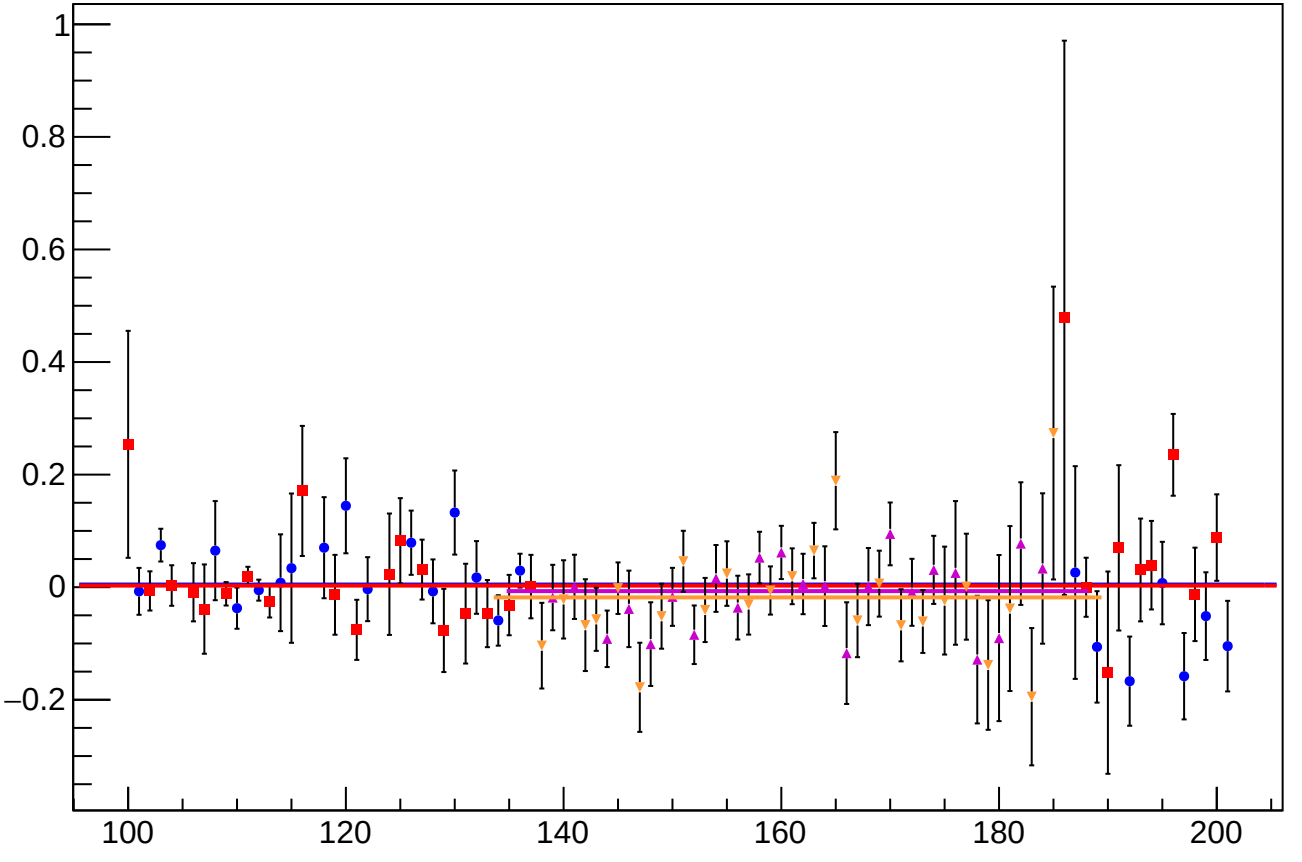
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 38.519+/-0.006 χ^2/NDF: 13590113.7/47

All: 36.017+/-0.004 χ^2/NDF: 32115714.4/98

- sign 33.880+/-0.005 χ^2/NDF: 18154531.7/50

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: 0.003+/-0.009 χ^2/NDF: 26.5/27

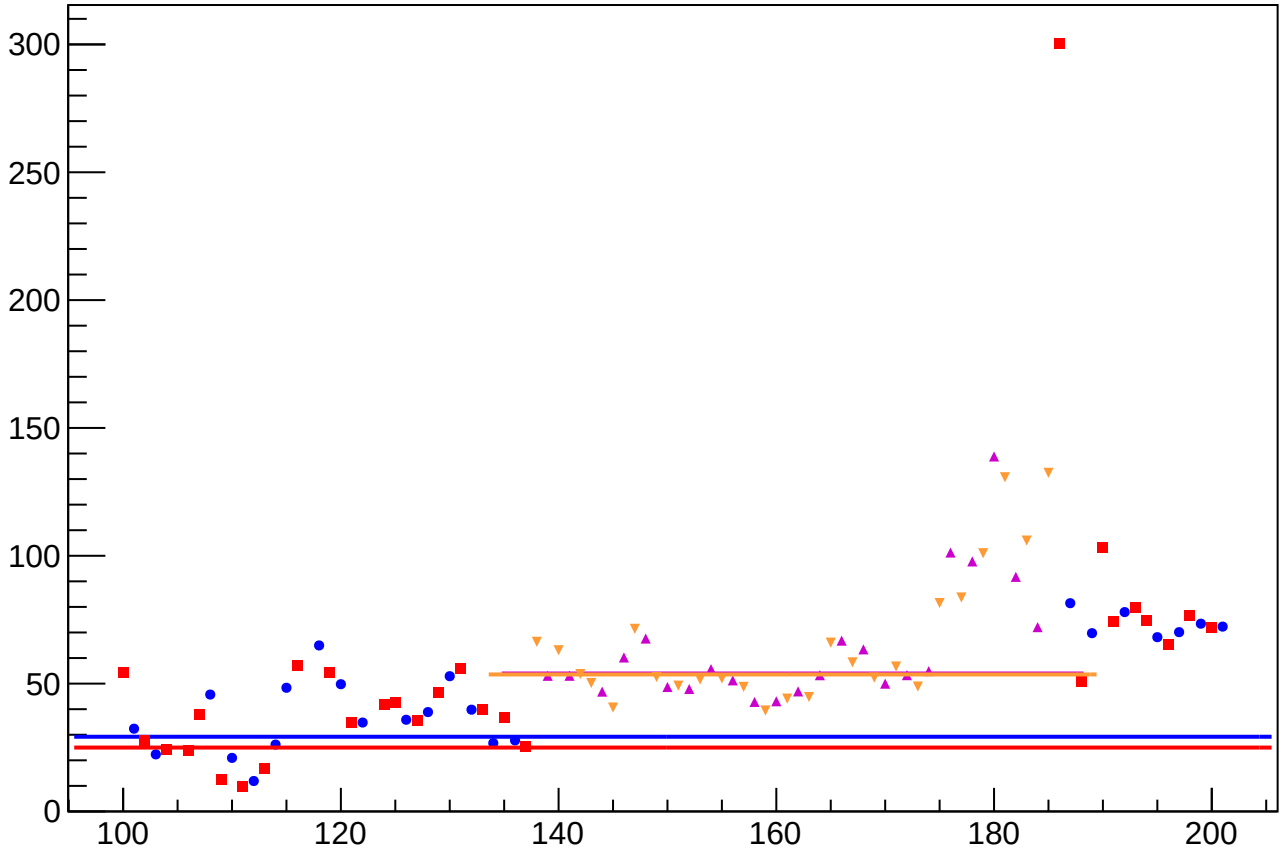
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.8/47

All: -0.002+/-0.005 χ^2/NDF: 103.5/98

- sign -0.000+/-0.007 χ^2/NDF: 45.6/50

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

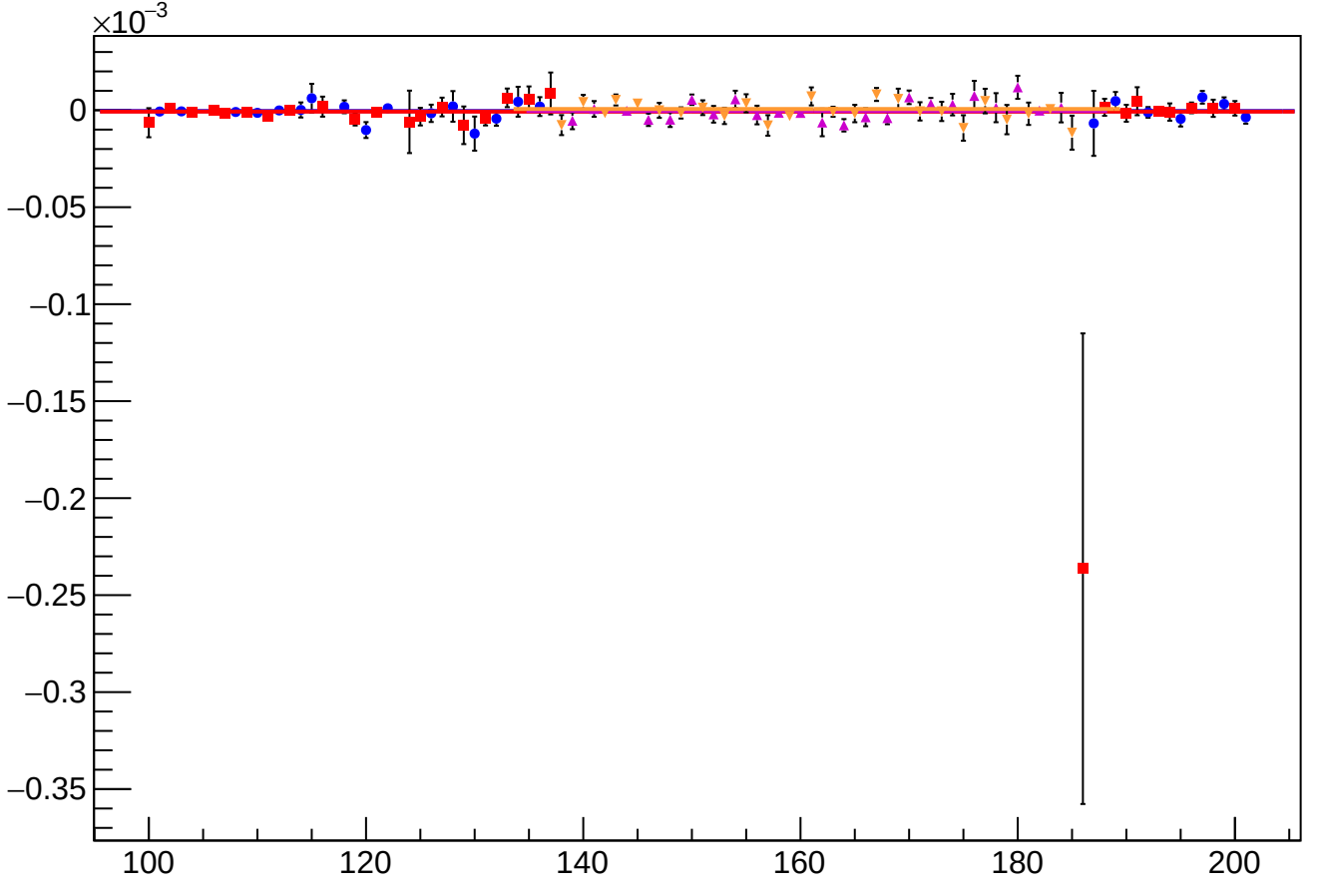
Right Out: 24.991+/-0.006 χ^2/NDF: 9430504.1/27

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 38.519+/-0.006 χ^2/NDF: 13590113.7/47

All: 36.017+/-0.004 χ^2/NDF: 32115714.4/98

- sign 33.880+/-0.005 χ^2/NDF: 18154531.7/50



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: 17.4/27

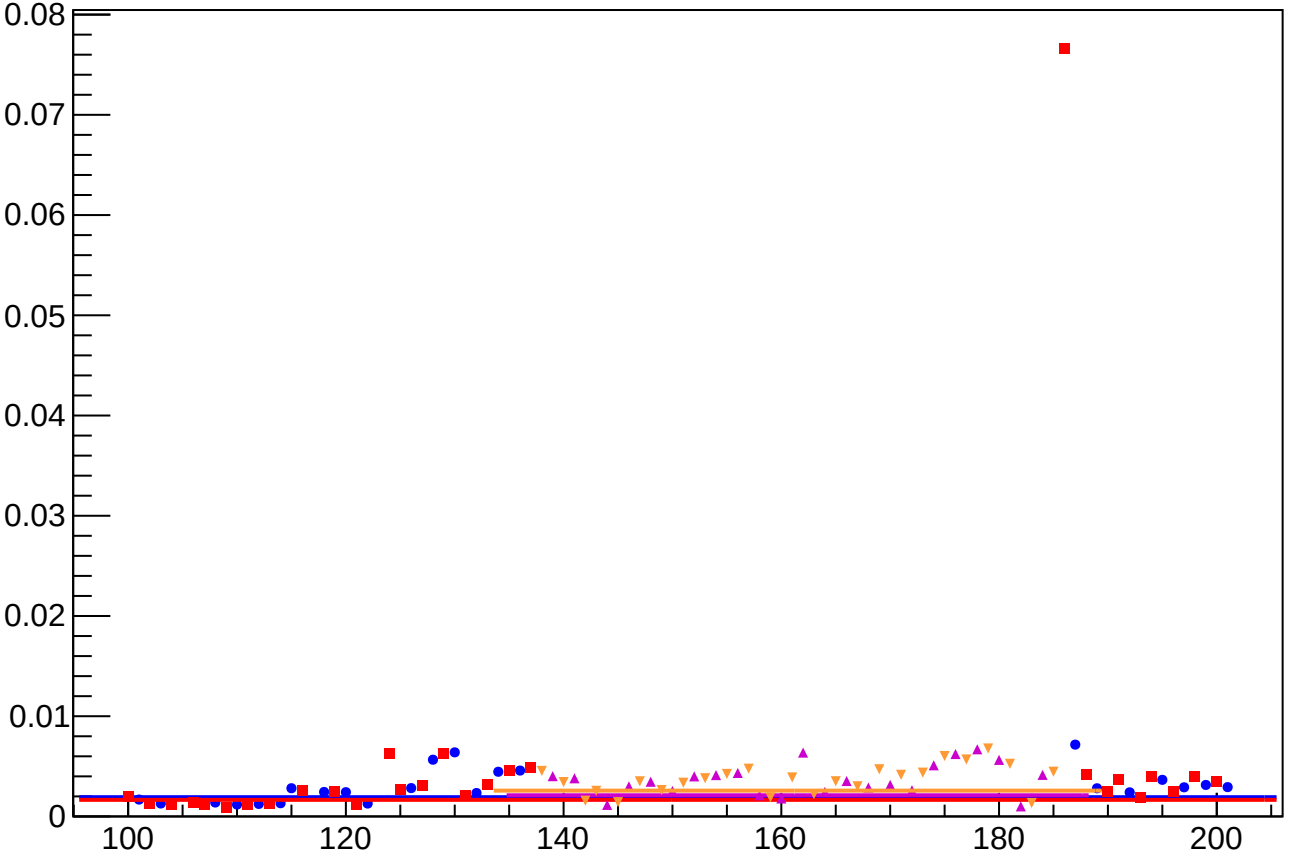
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/47

All: -0.000+/-0.000 χ^2/NDF: 102.7/98

- sign -0.000+/-0.000 χ^2/NDF: 48.5/50

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: 6755355.8/27

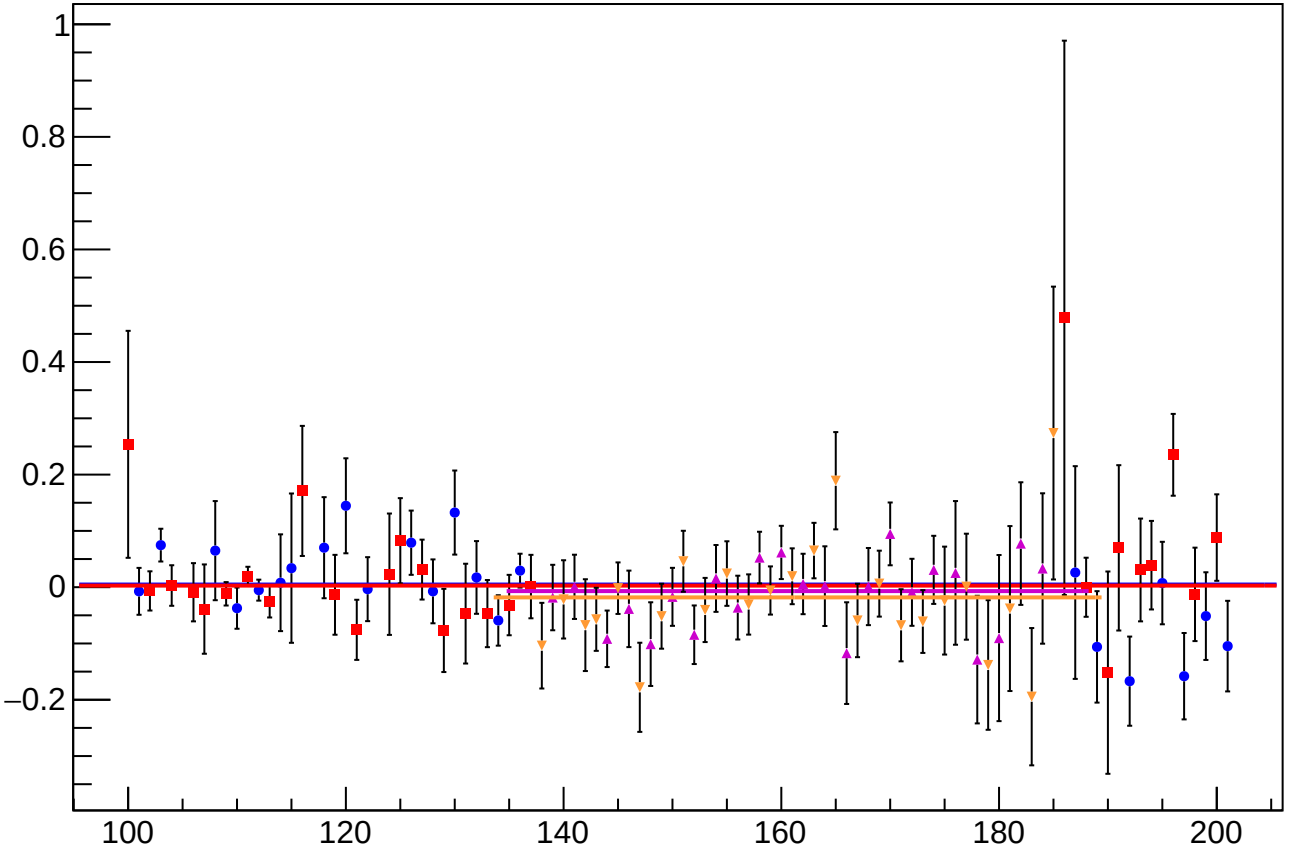
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12725668.4/47

All: 0.002+/-0.000 χ^2/NDF: 30374664.7/98

- sign 0.002+/-0.000 χ^2/NDF: 16911533.8/50

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: 0.003+/-0.009 χ^2/NDF: 26.5/27

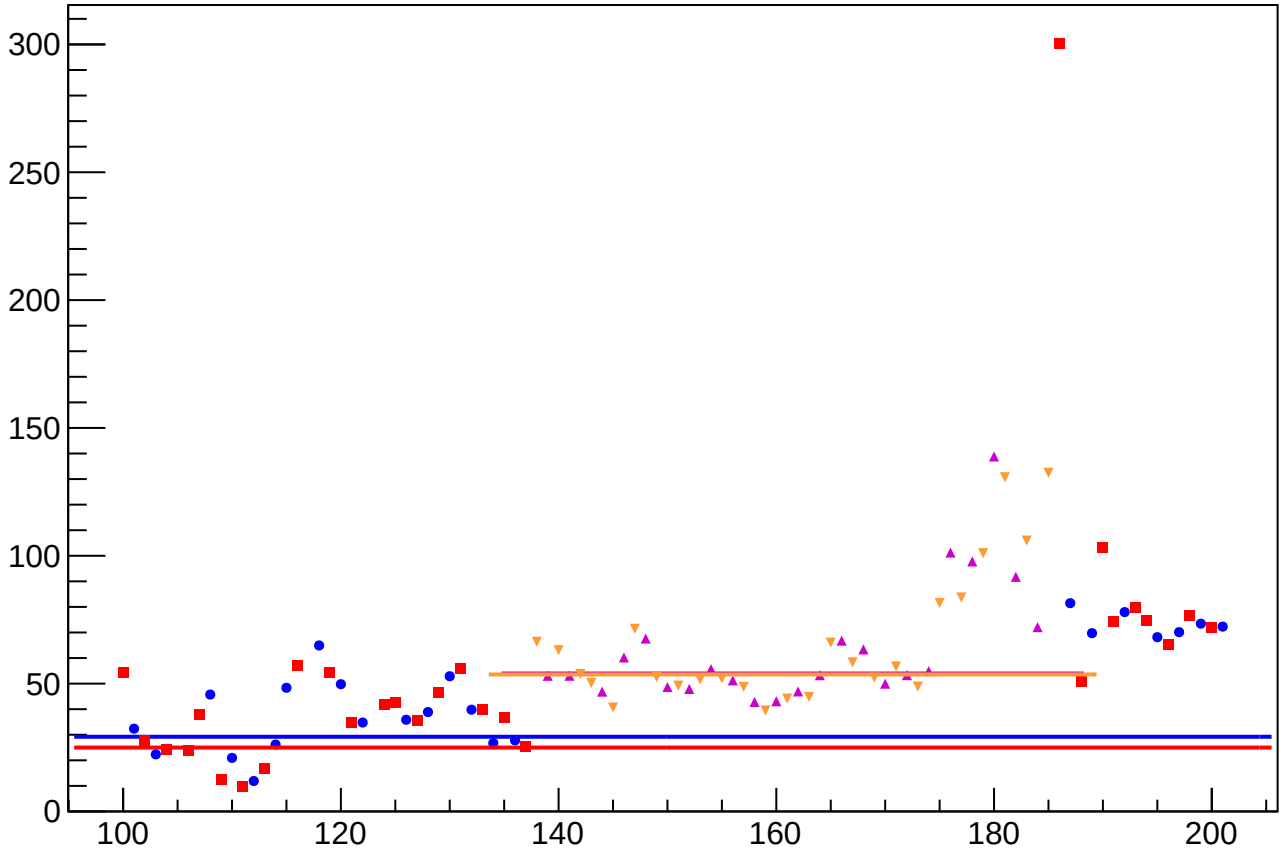
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.8/47

All: -0.002+/-0.005 χ^2/NDF: 103.5/98

- sign -0.000+/-0.007 χ^2/NDF: 45.6/50

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

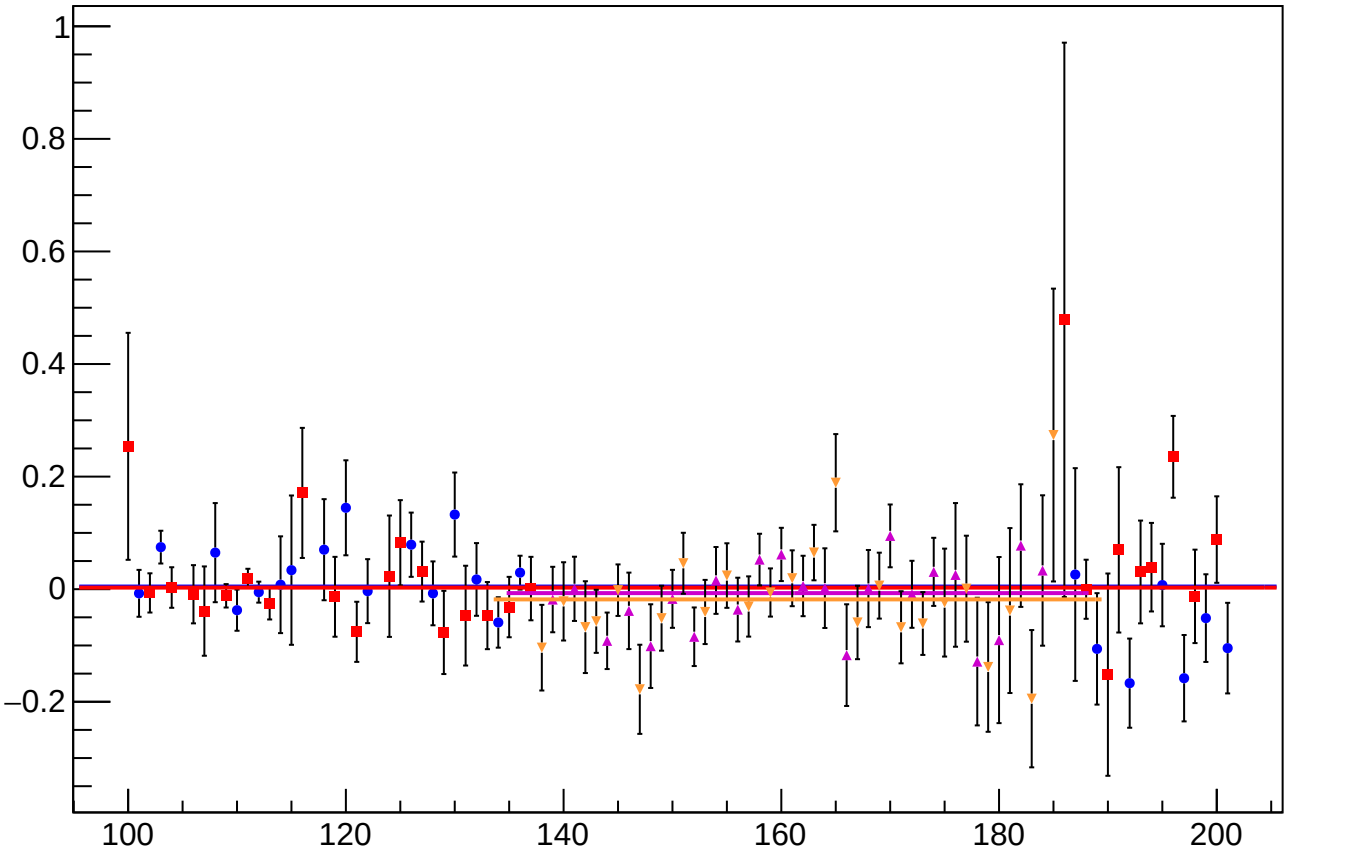
Right Out: 24.990+/-0.006 χ^2/NDF: 9430632.0/27

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 38.518+/-0.006 χ^2/NDF: 13590588.2/47

All: 36.016+/-0.004 χ^2/NDF: 32116853.6/98

- sign 33.880+/-0.005 χ^2/NDF: 18155167.1/50



Right In: 0.005+/-0.010 χ^2/NDF: 31.5/22

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

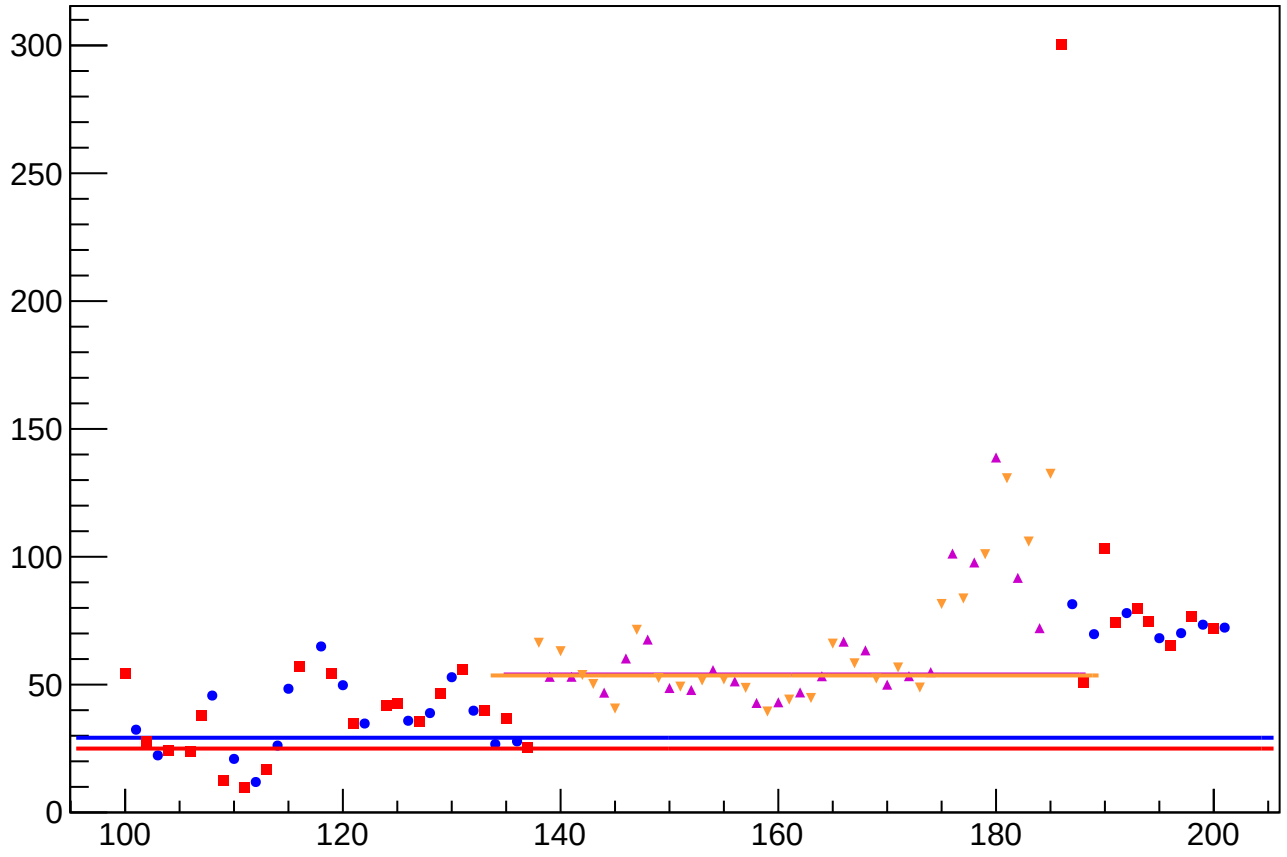
Right Out: 0.003+/-0.009 χ^2/NDF: 26.5/27

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: 103.5/98

- sign -0.000+/-0.007 χ^2/NDF: 45.6/50



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: 24.990+/-0.006 χ^2/NDF: 9430632.0/27

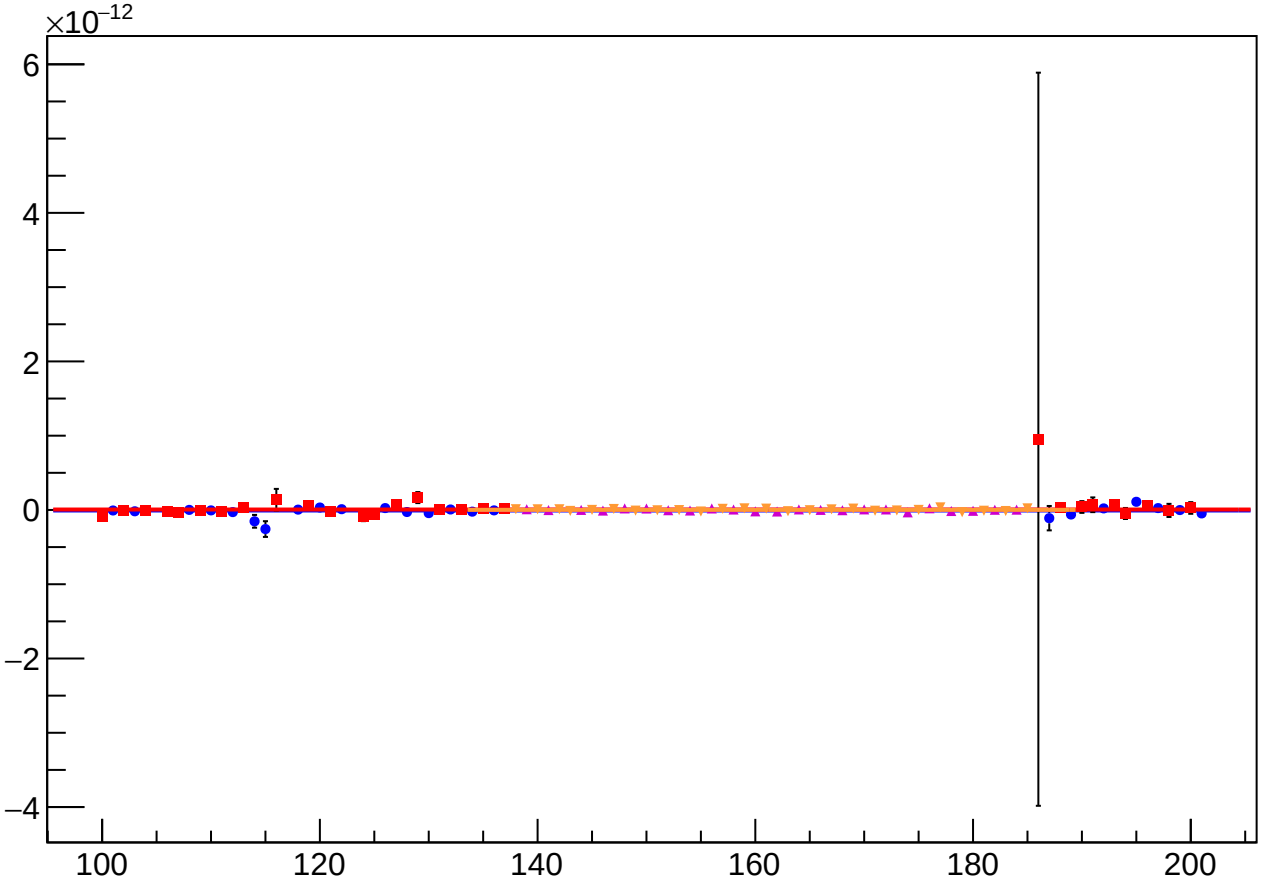
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 38.518+/-0.006 χ^2/NDF: 13590588.2/47

All: 36.016+/-0.004 χ^2/NDF: 32116853.6/98

- sign 33.880+/-0.005 χ^2/NDF: 18155167.1/50

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



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: 33.7/27

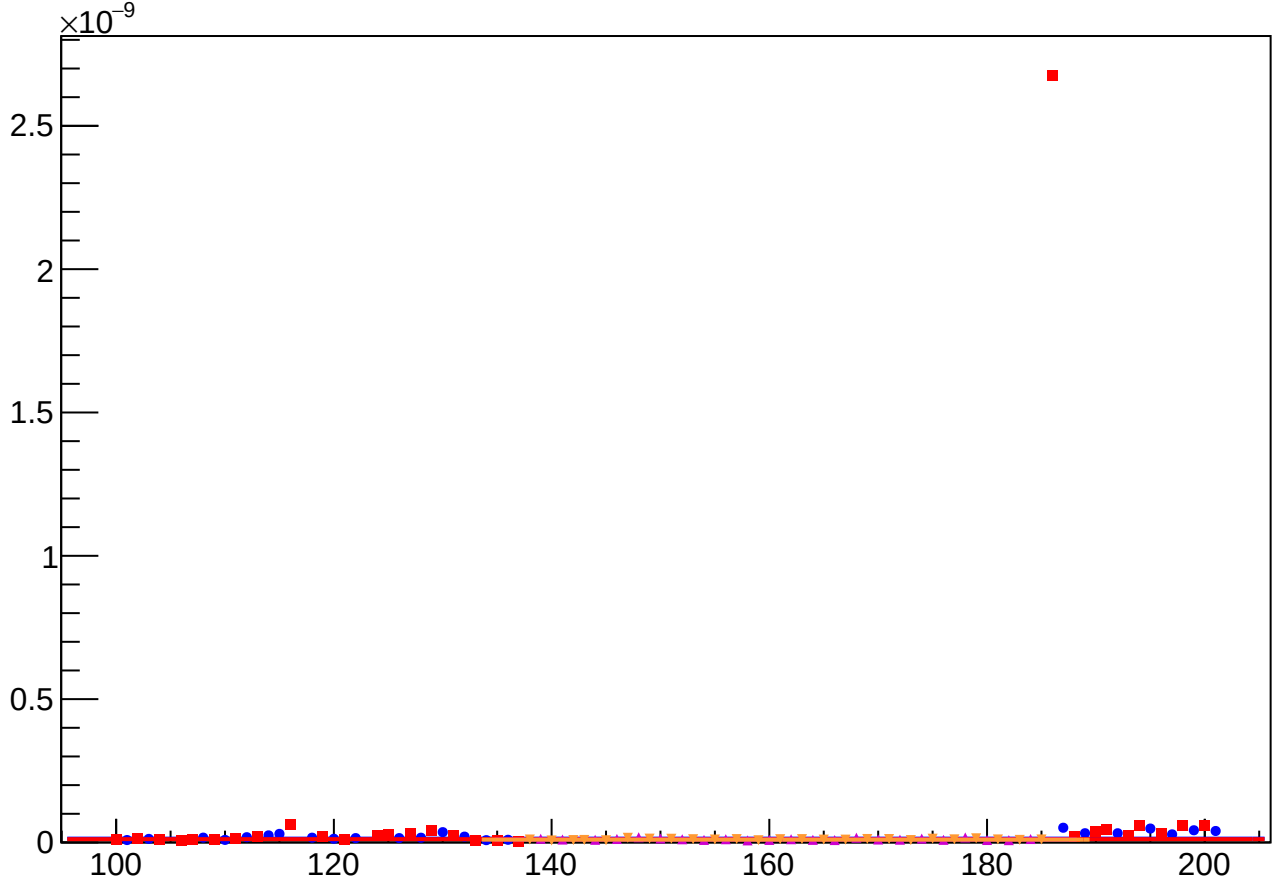
Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.1/47

All: 0.000+/-0.000 χ^2/NDF: 103.1/98

- sign 0.000+/-0.000 χ^2/NDF: 52.6/50

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



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: 6822298.8/27

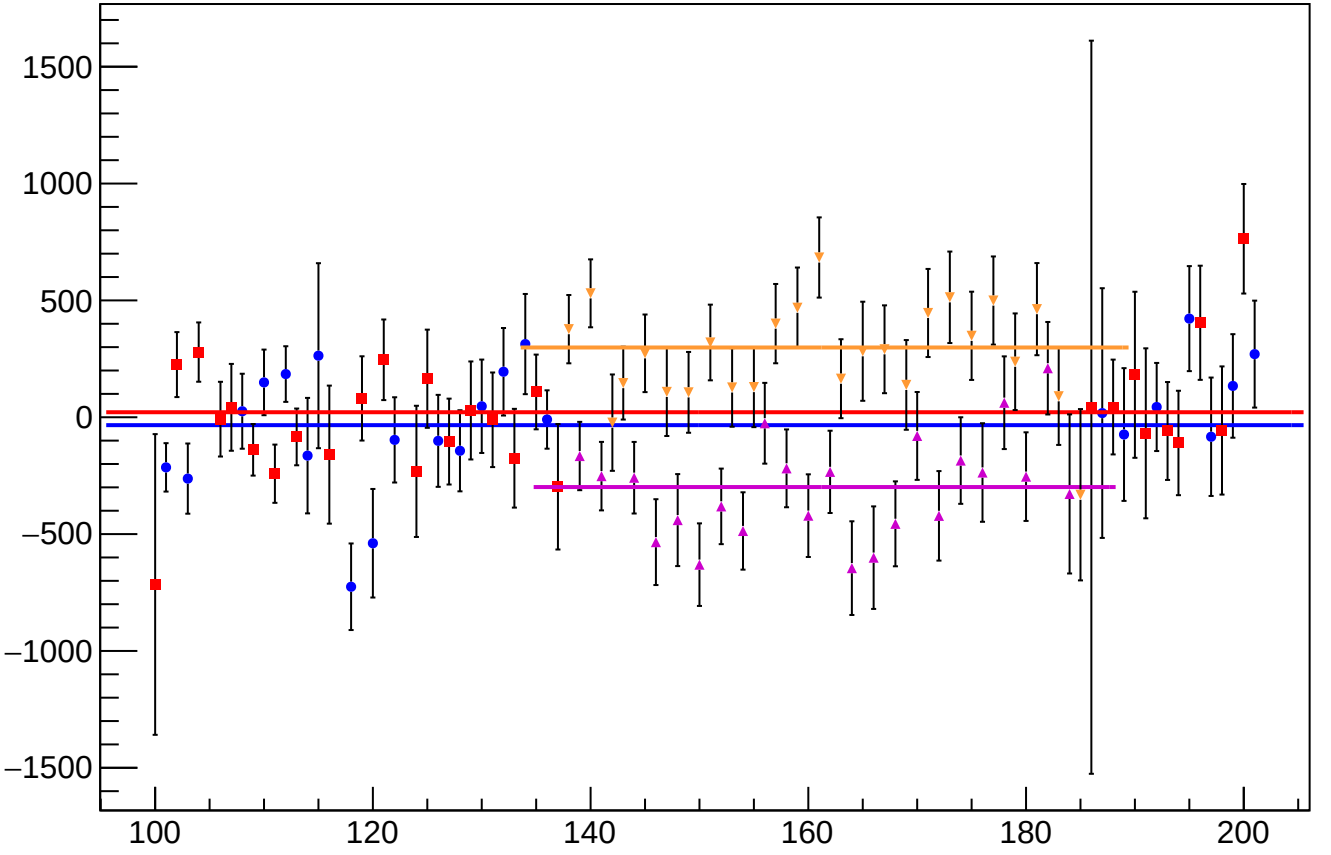
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5851392.4/47

All: 0.000+/-0.000 χ^2/NDF: 14090782.3/98

- sign 0.000+/-0.000 χ^2/NDF: 8239384.0/50

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: 21.489+/-35.505 χ^2/NDF: 34.8/27

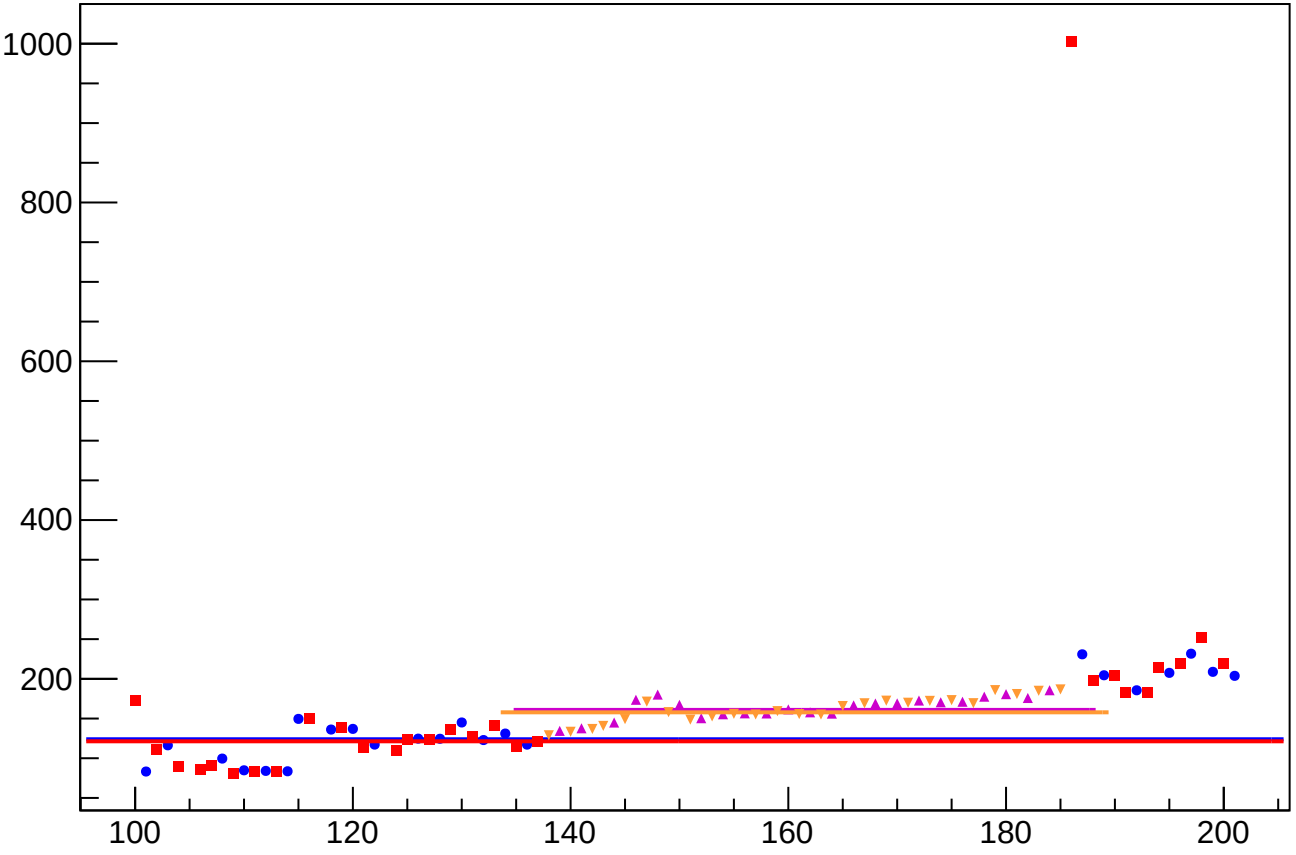
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 138.378+/-25.950 χ^2/NDF: 108.6/47

All: 4.260+/-18.316 χ^2/NDF: 264.3/98

- sign -128.889+/-25.856 χ^2/NDF: 102.4/50

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: 121.337+/-0.025 χ^2/NDF: 3763379.8/27

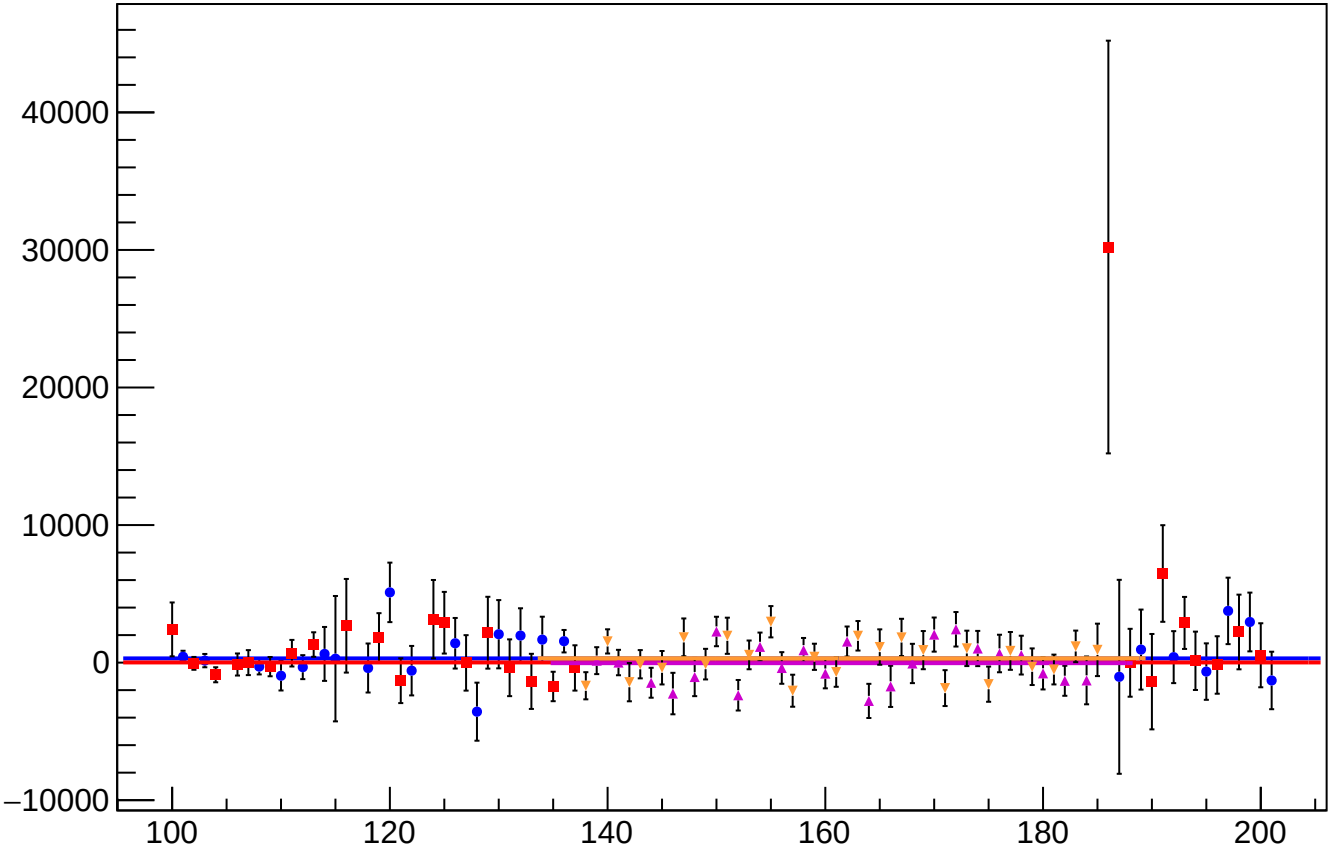
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 141.484+/-0.018 χ^2/NDF: 3711583.4/47

All: 140.693+/-0.013 χ^2/NDF: 8911832.6/98

- sign 139.907+/-0.018 χ^2/NDF: 5196542.8/50

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: 12.727+/-223.950 χ^2/NDF: 26.8/27

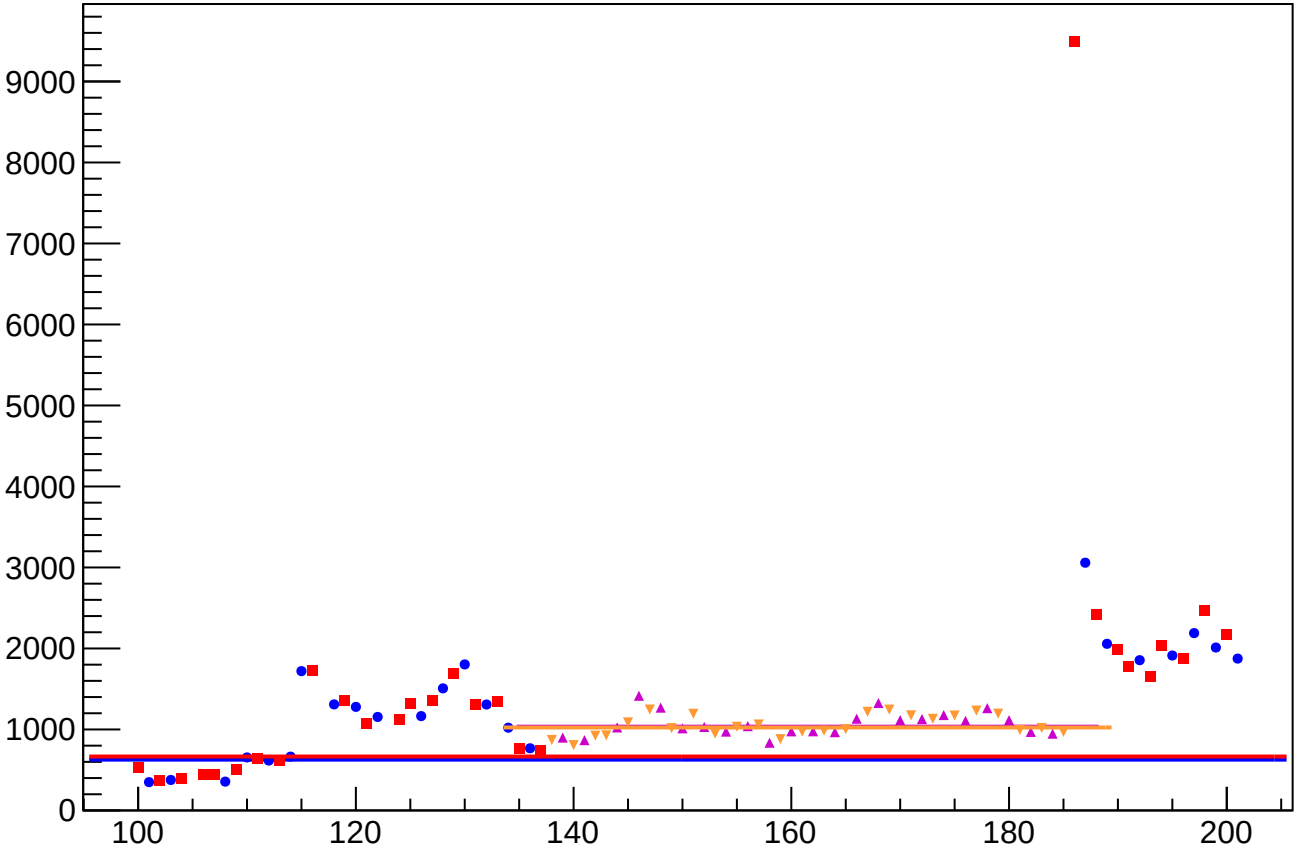
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 312.706+/-161.870 χ^2/NDF: 53.5/47

All: 153.992+/-115.563 χ^2/NDF: 117.1/98

- sign -10.998+/-165.039 χ^2/NDF: 61.6/50

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: 665.688+/-0.158 χ^2/NDF: 9467125.4/27

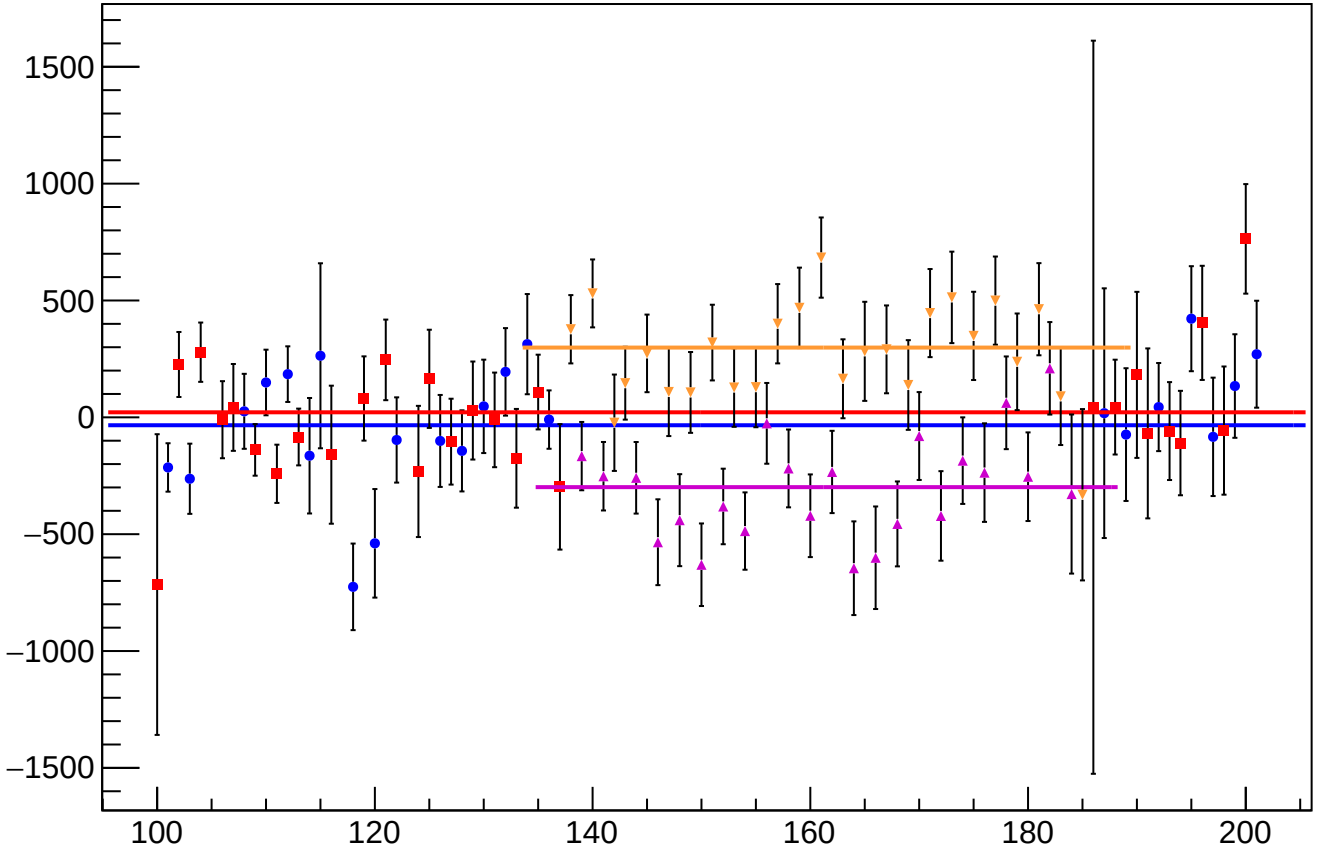
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 815.668+/-0.114 χ^2/NDF: 12286580.3/47

All: 824.740+/-0.082 χ^2/NDF: 24872431.4/98

- sign 834.171+/-0.117 χ^2/NDF: 12573038.2/50

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: 21.520+/-35.559 χ^2/NDF: 34.8/27

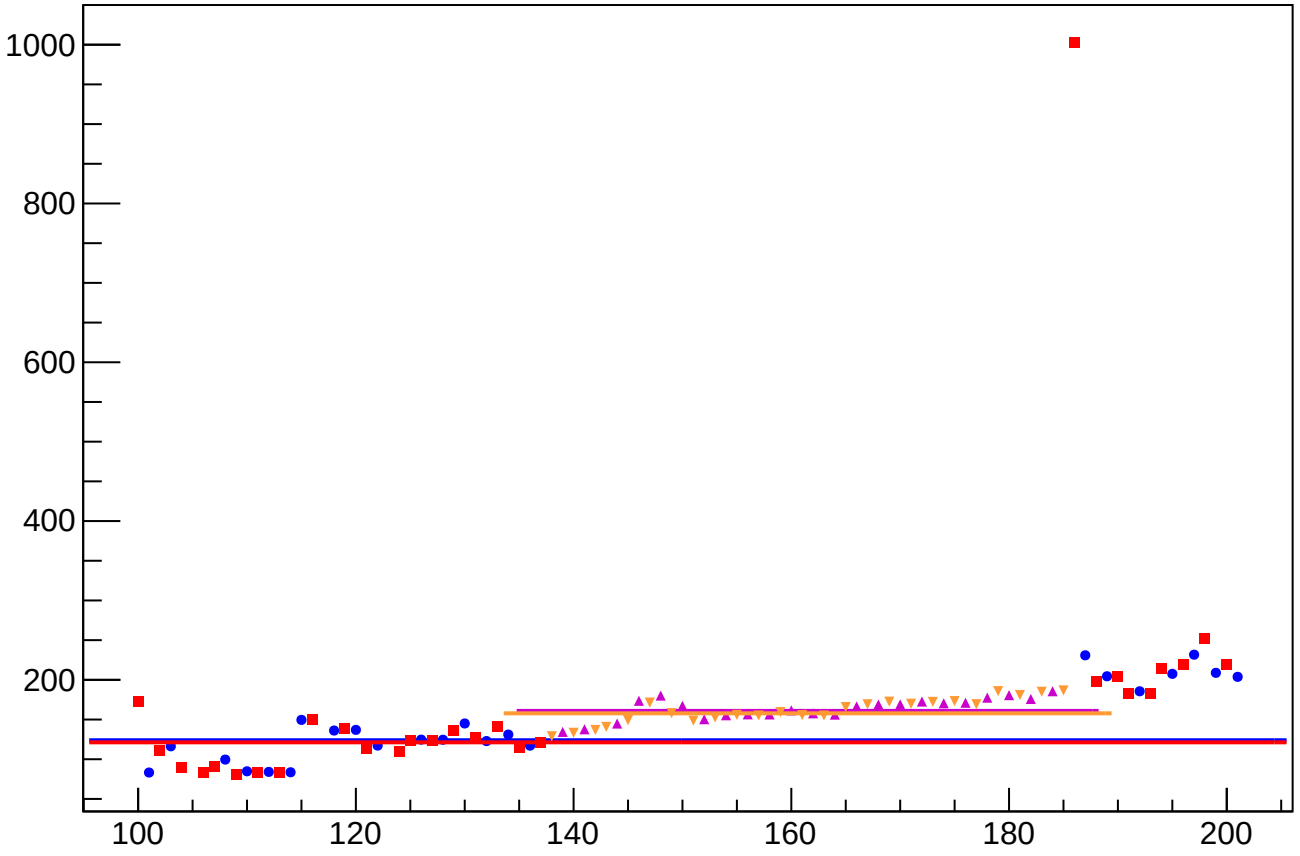
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 138.368+/-25.950 χ^2/NDF: 108.7/47

All: 4.248+/-18.323 χ^2/NDF: 264.3/98

- sign -129.116+/-25.876 χ^2/NDF: 102.4/50

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

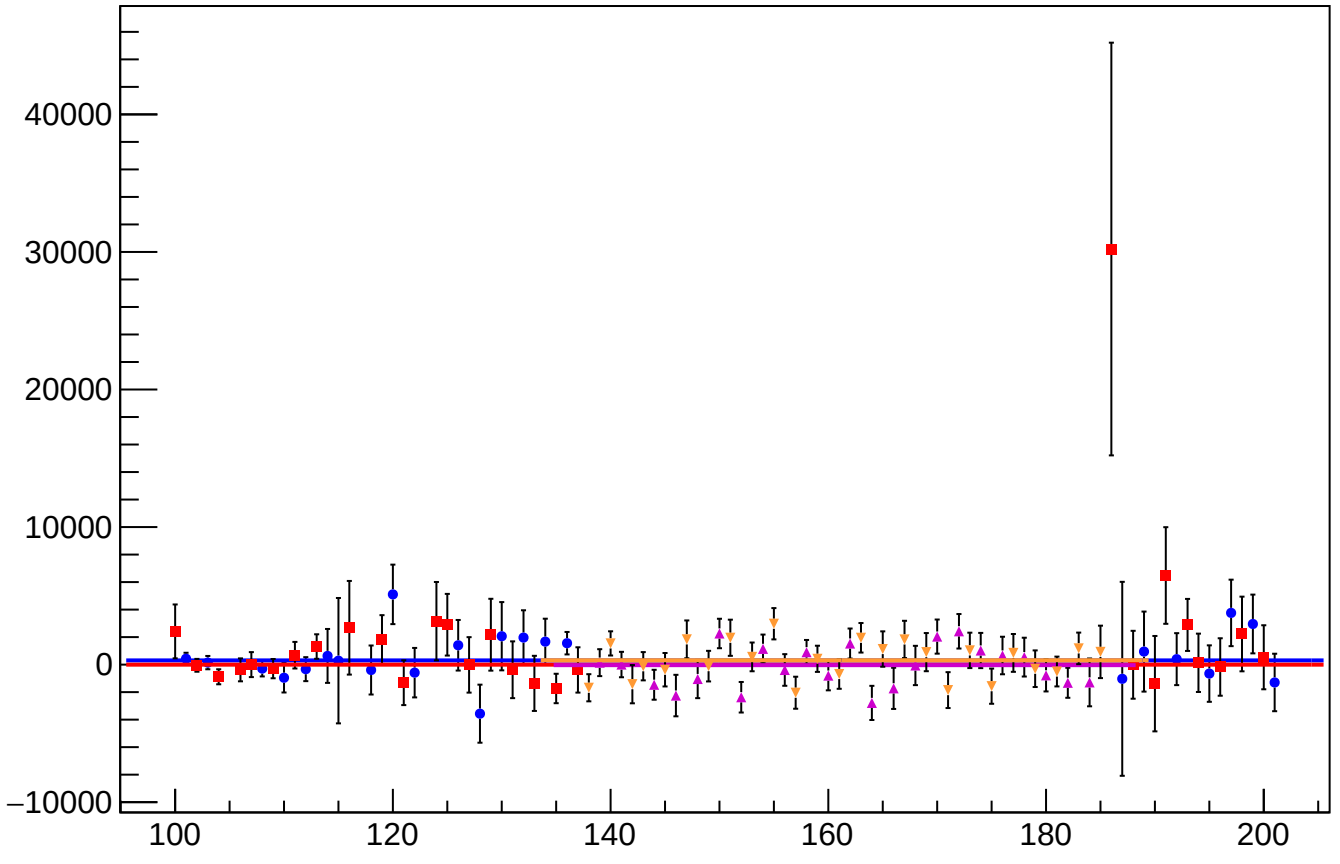
Right Out: 121.298+/-0.025 χ^2/NDF: 3774549.9/27

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

\+ sign 141.484+/-0.018 χ^2/NDF: 3711579.4/47

All: 140.698+/-0.013 χ^2/NDF: 8923656.4/98

\- sign 139.916+/-0.018 χ^2/NDF: 5208413.4/50



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: -3.319+/-224.513 χ^2/NDF: 27.0/27

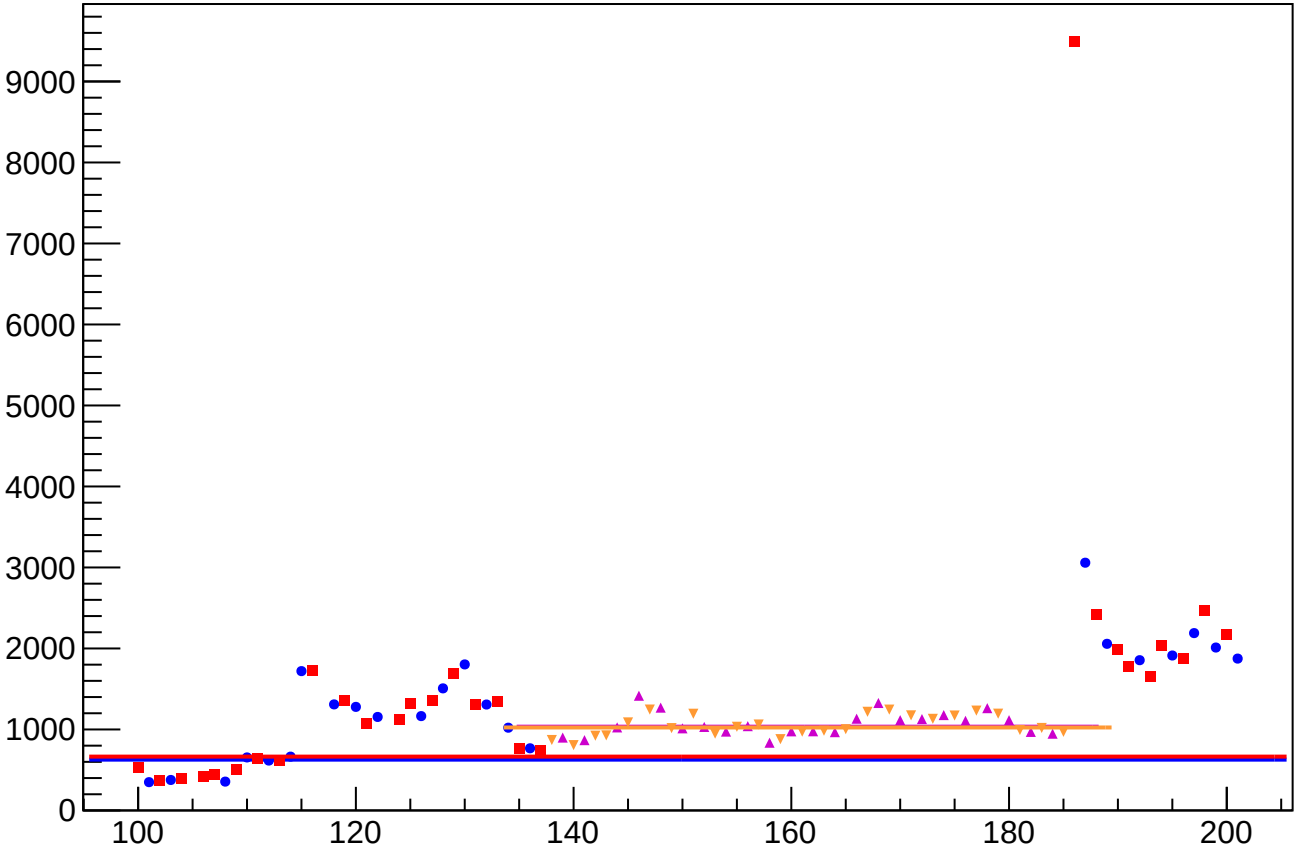
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 312.777+/-161.867 χ^2/NDF: 53.5/47

All: 149.962+/-115.639 χ^2/NDF: 117.3/98

- sign -19.757+/-165.263 χ^2/NDF: 61.8/50

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: 664.740+/-0.159 χ^2/NDF: 9496758.9/27

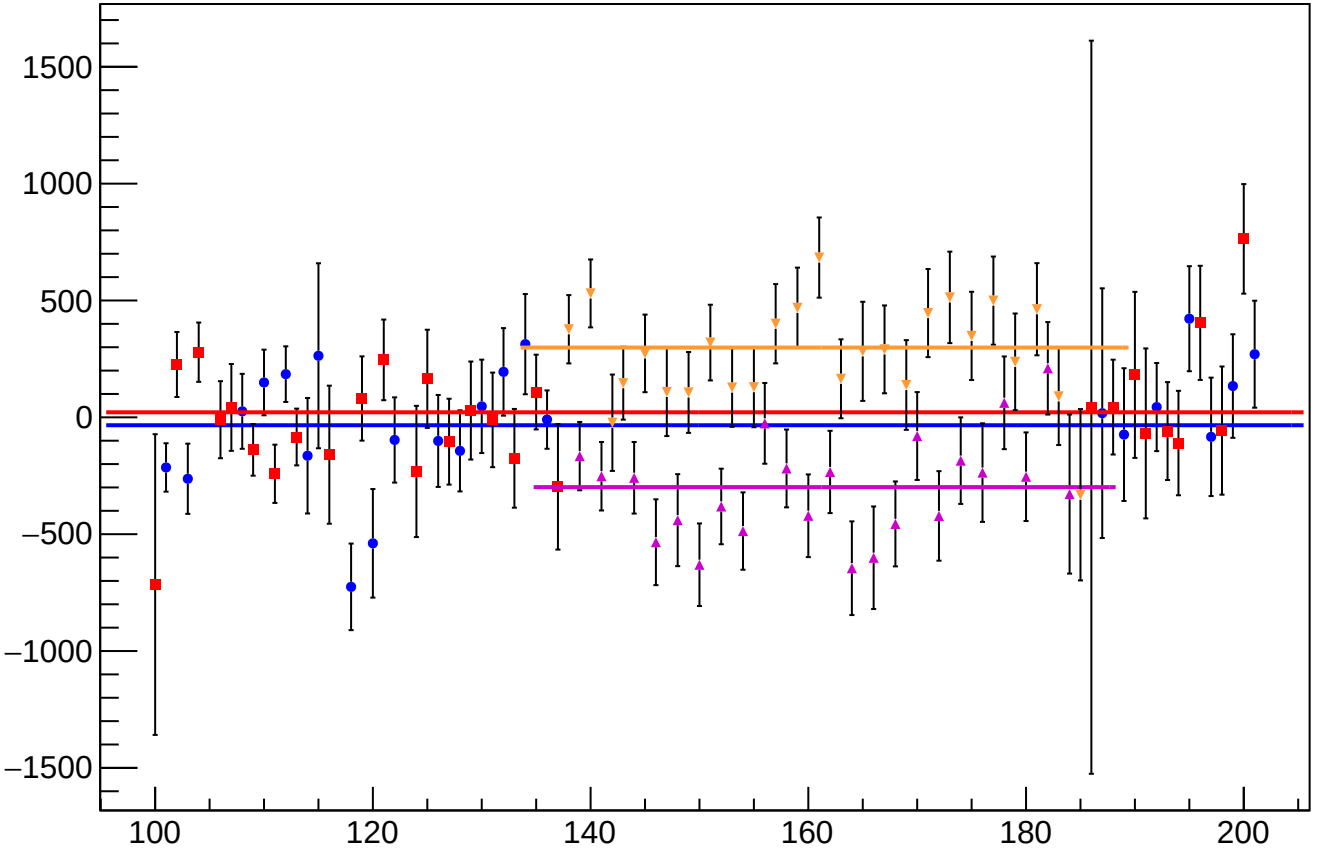
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 815.649+/-0.114 χ^2/NDF: 12287419.0/47

All: 824.691+/-0.082 χ^2/NDF: 24909884.5/98

- sign 834.116+/-0.117 χ^2/NDF: 12609719.3/50

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: 21.520+/-35.559 χ^2/NDF: 34.8/27

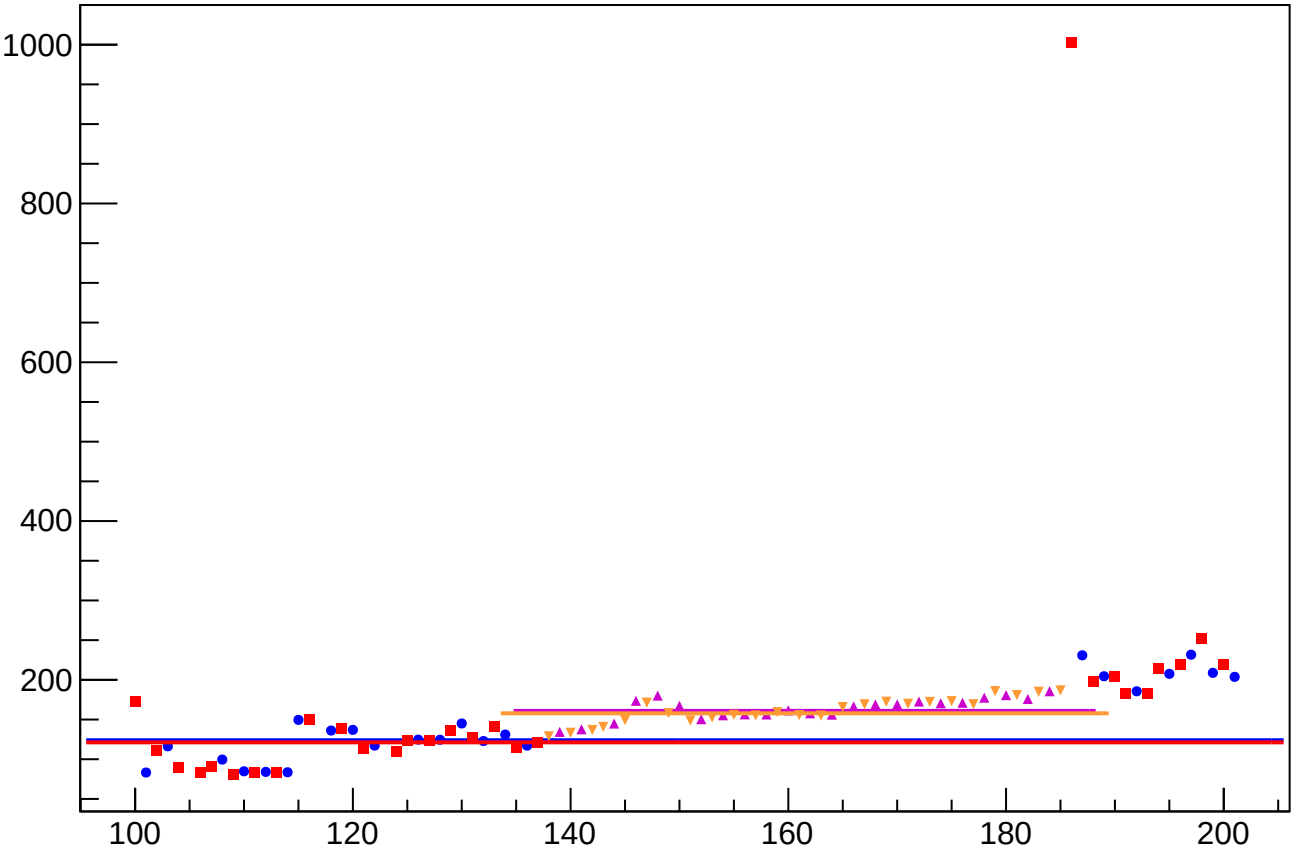
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 138.368+/-25.950 χ^2/NDF: 108.7/47

All: 4.248+/-18.323 χ^2/NDF: 264.3/98

- sign -129.116+/-25.876 χ^2/NDF: 102.4/50

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

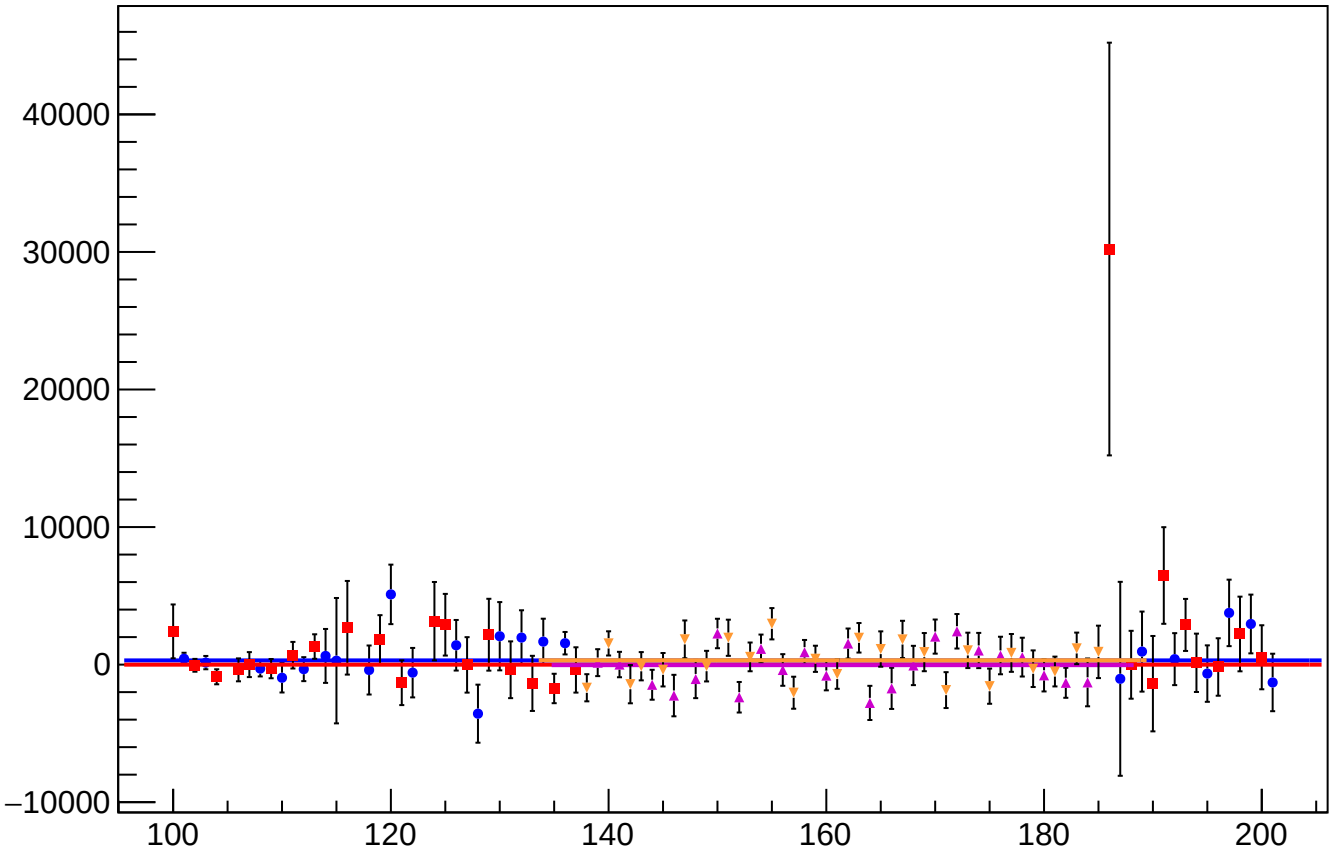
Right Out: 121.298+/-0.025 χ^2/NDF: 3774549.9/27

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 141.484+/-0.018 χ^2/NDF: 3711579.4/47

All: 140.698+/-0.013 χ^2/NDF: 8923656.4/98

- sign 139.916+/-0.018 χ^2/NDF: 5208413.4/50



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: -3.319+/-224.513 χ^2/NDF: 27.0/27

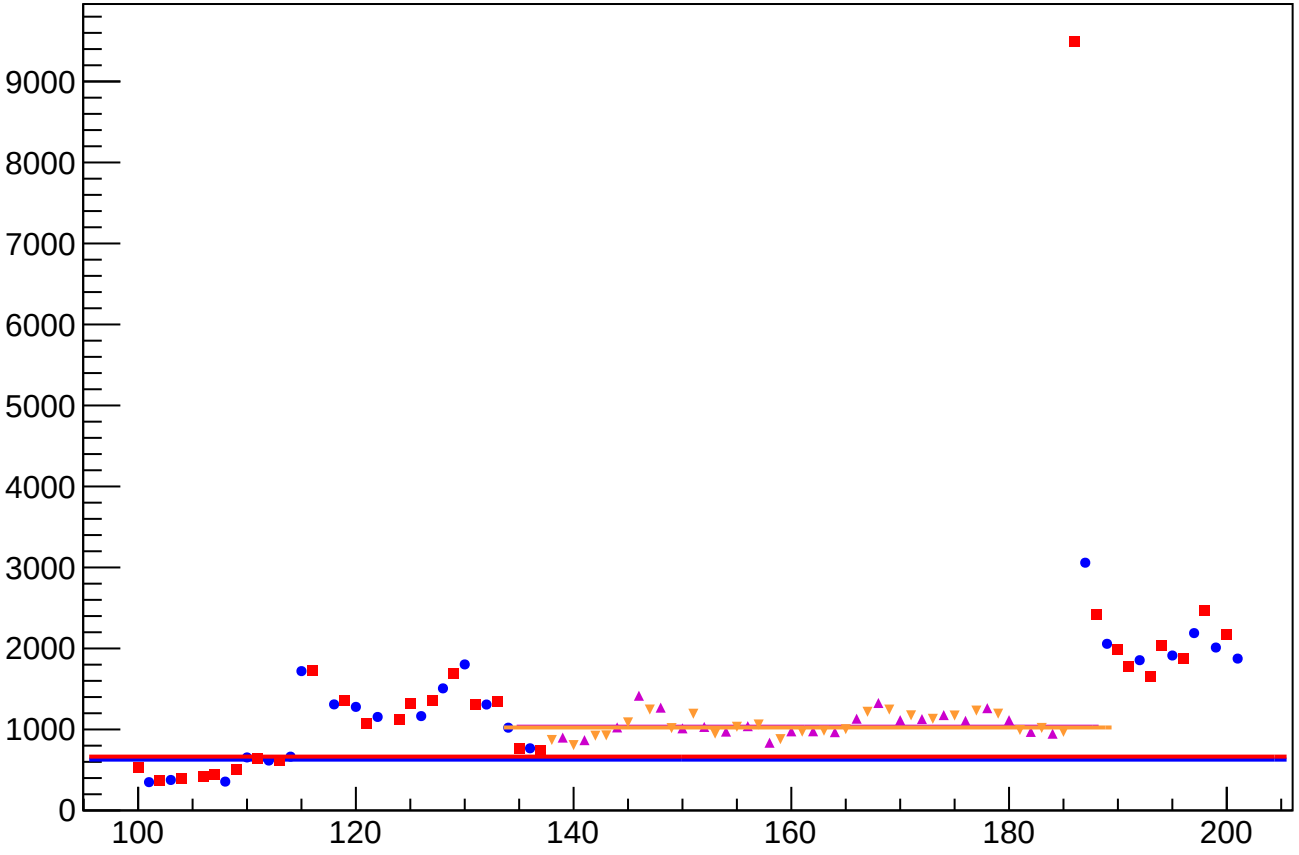
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 312.777+/-161.867 χ^2/NDF: 53.5/47

All: 149.962+/-115.639 χ^2/NDF: 117.3/98

- sign -19.757+/-165.263 χ^2/NDF: 61.8/50

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: 664.740+/-0.159 χ^2/NDF: 9496758.9/27

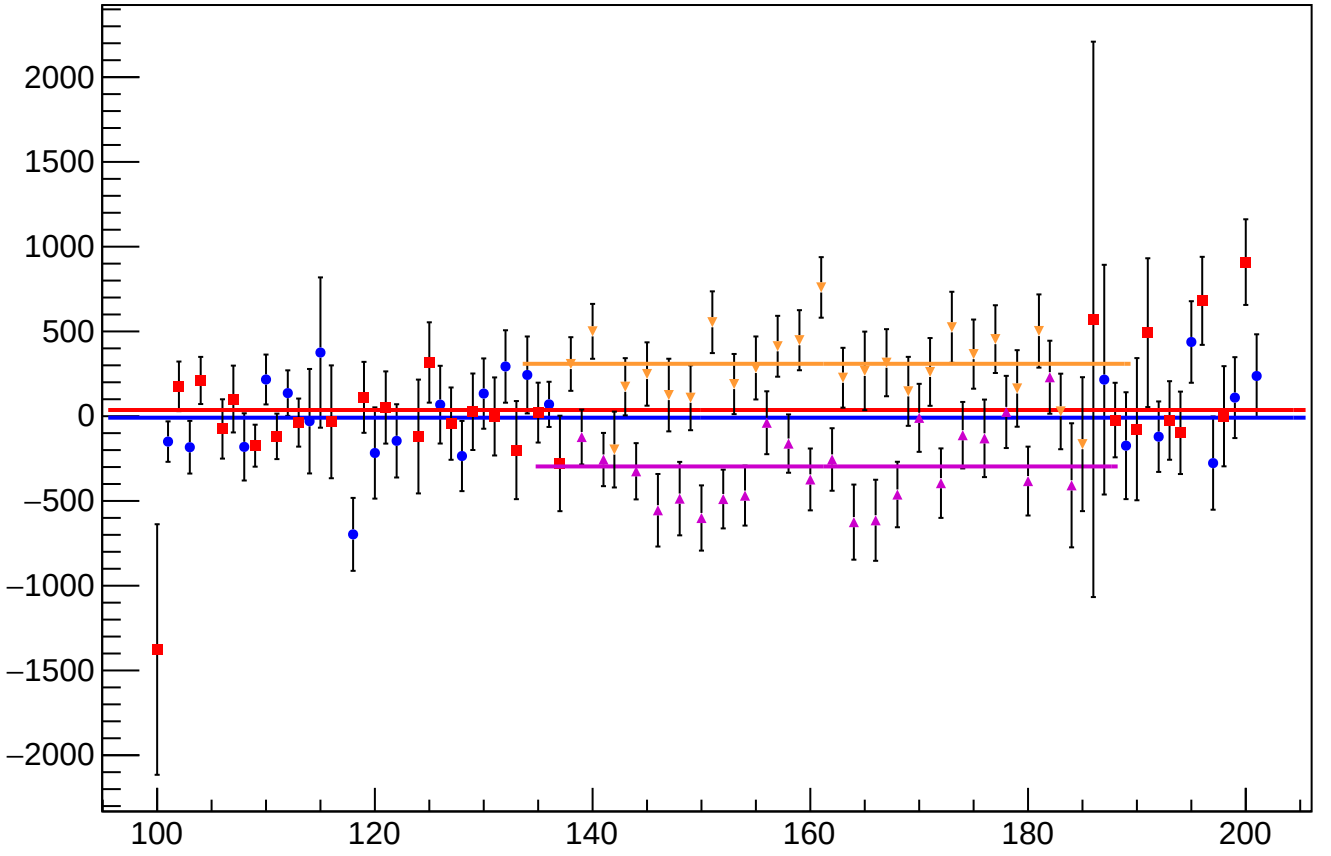
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 815.649+/-0.114 χ^2/NDF: 12287419.0/47

All: 824.691+/-0.082 χ^2/NDF: 24909884.5/98

- sign 834.116+/-0.117 χ^2/NDF: 12609719.3/50

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: 36.477+/-39.641 χ^2/NDF: 34.9/27

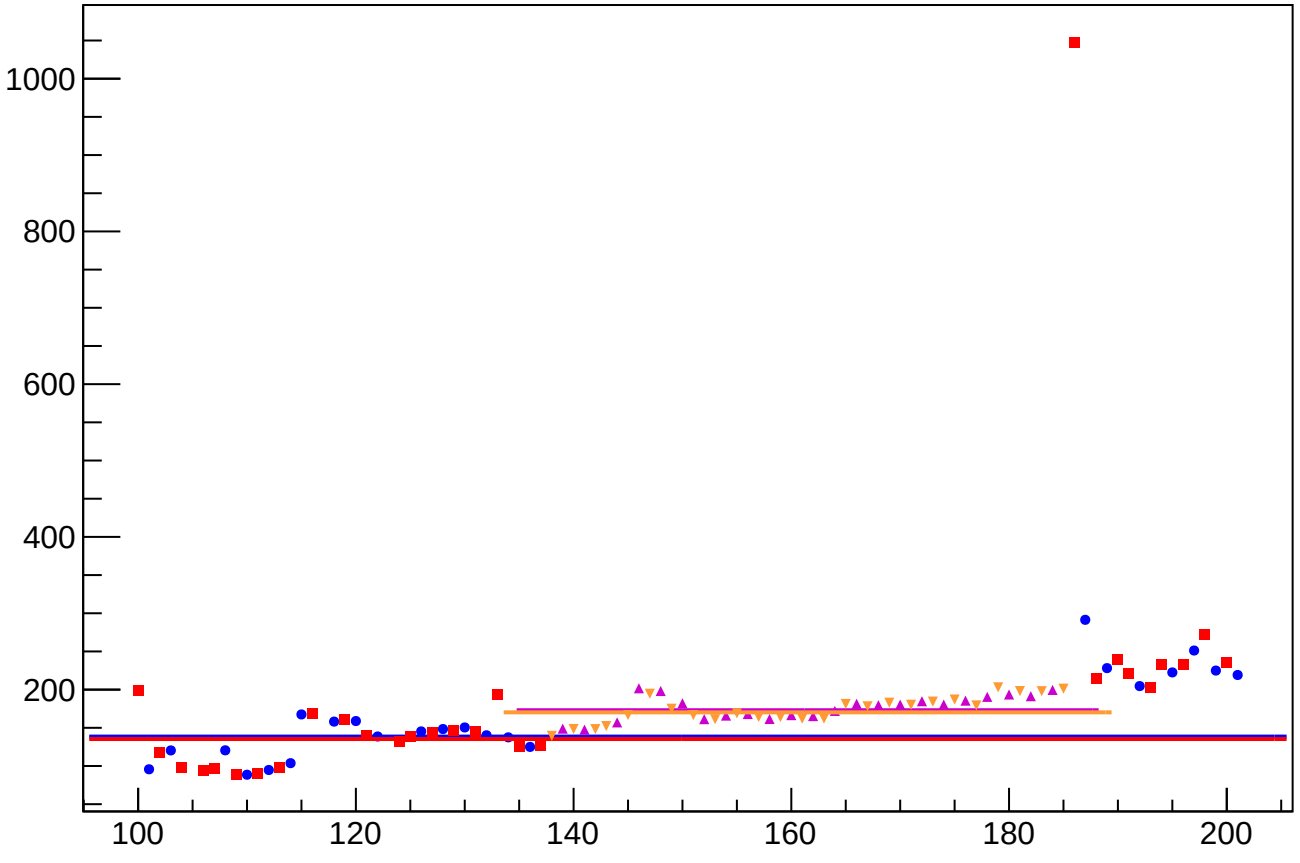
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 161.196+/-28.452 χ^2/NDF: 87.2/47

All: 17.158+/-20.088 χ^2/NDF: 235.4/98

- sign -126.005+/-28.366 χ^2/NDF: 97.1/50

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: 135.323+/-0.028 χ^2/NDF: 3788753.0/27

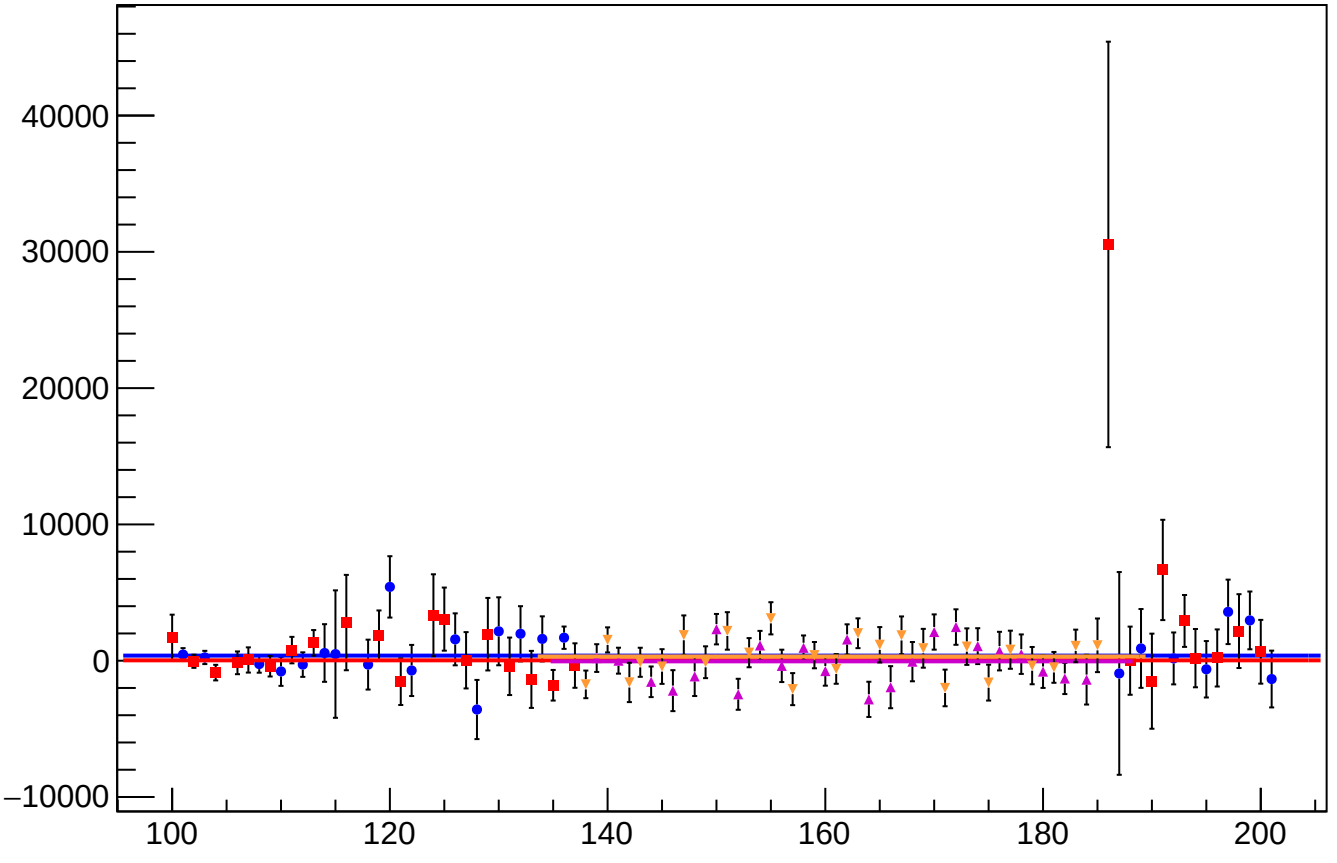
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 155.479+/-0.020 χ^2/NDF: 3348506.1/47

All: 154.597+/-0.014 χ^2/NDF: 8317508.2/98

- sign 153.720+/-0.020 χ^2/NDF: 4965168.3/50

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: 27.341+/-231.535 χ^2/NDF: 26.1/27

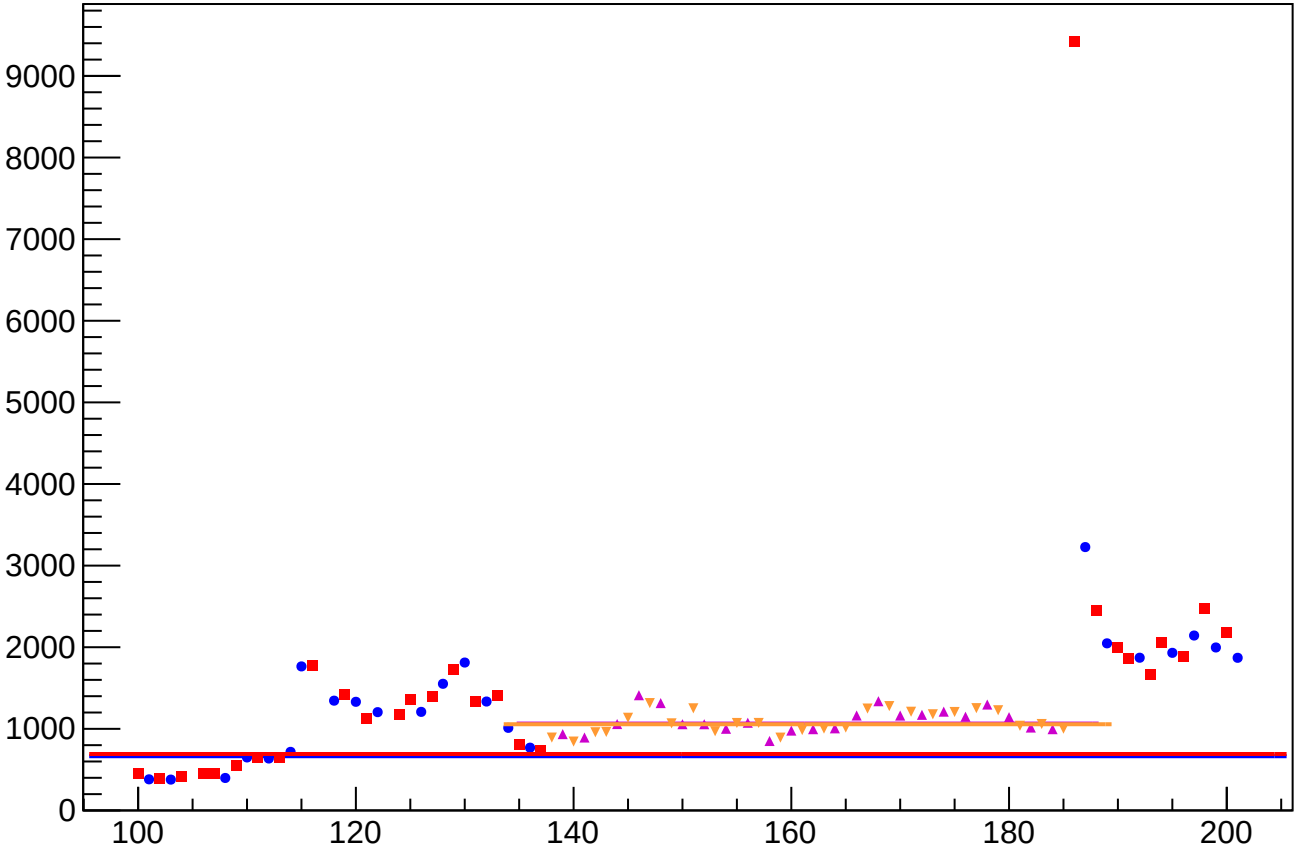
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 344.853+/-167.981 χ^2/NDF: 53.5/47

All: 171.348+/-119.580 χ^2/NDF: 116.2/98

- sign -6.905+/-170.264 χ^2/NDF: 60.6/50

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: 691.768+/-0.164 χ^2/NDF: 9325213.9/27

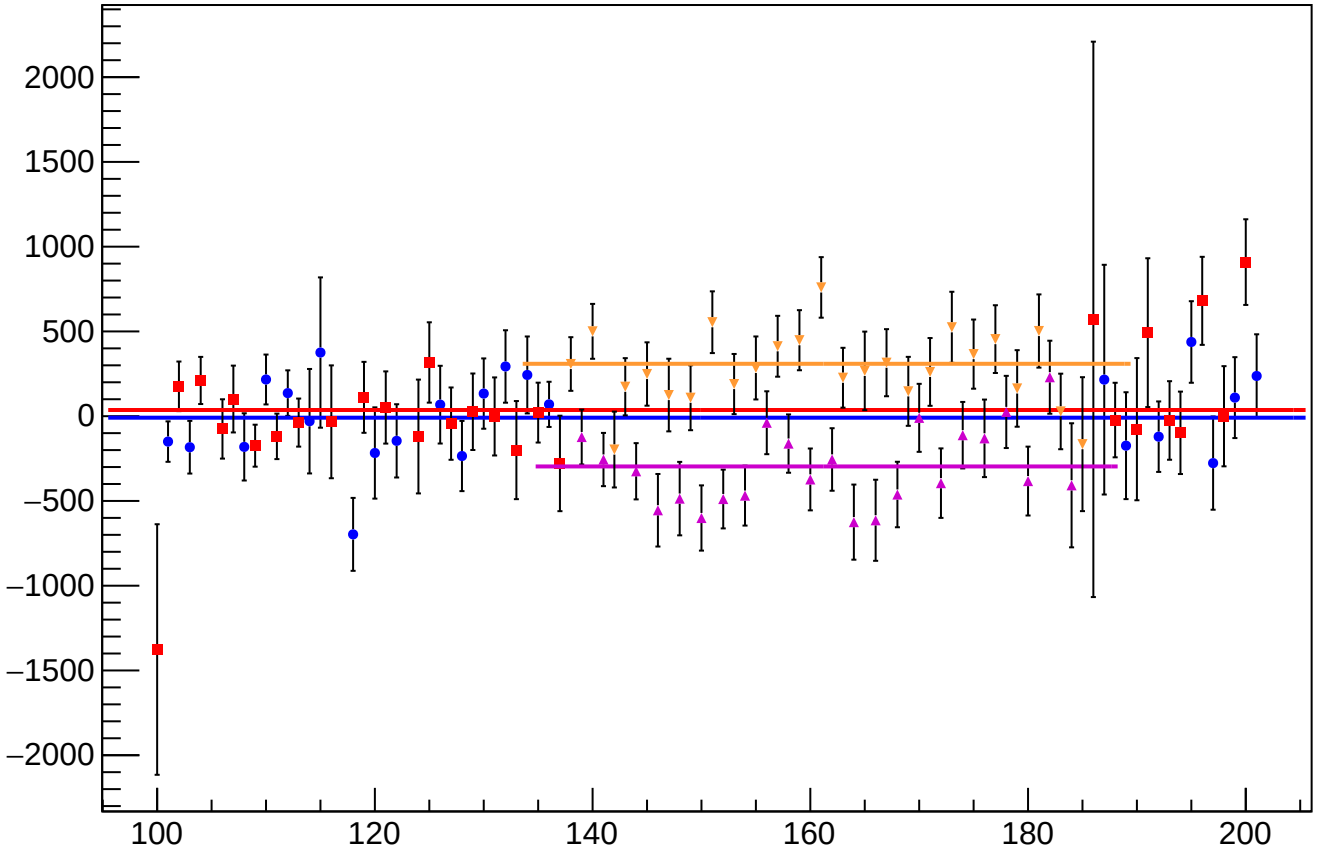
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 852.684+/-0.119 χ^2/NDF: 11576466.6/47

All: 857.785+/-0.085 χ^2/NDF: 23899149.4/98

- sign 863.025+/-0.120 χ^2/NDF: 12318944.4/50

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: 36.476+/-39.641 χ^2/NDF: 34.9/27

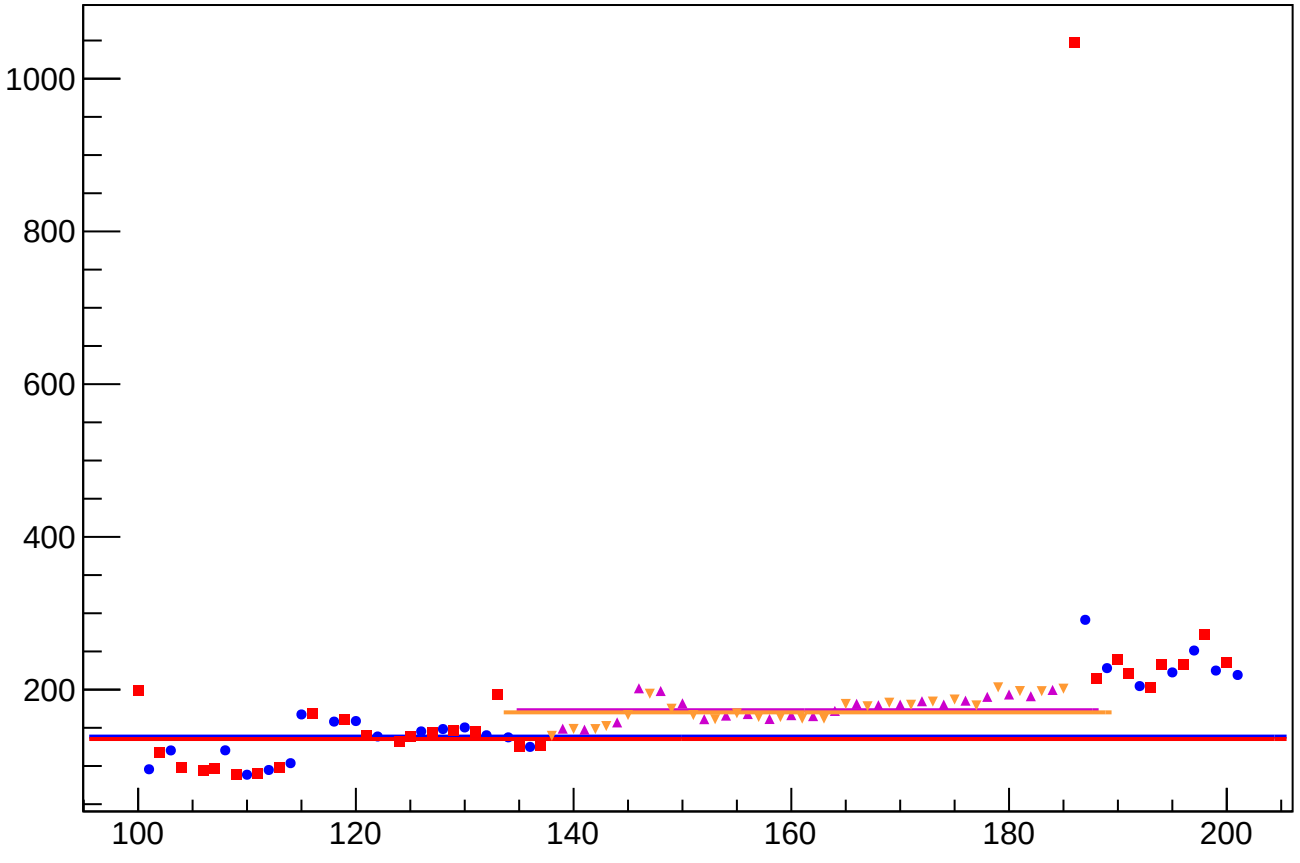
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 161.196+/-28.452 χ^2/NDF: 87.2/47

All: 17.157+/-20.088 χ^2/NDF: 235.4/98

- sign -126.005+/-28.366 χ^2/NDF: 97.1/50

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: 135.323+/-0.028 χ^2/NDF: 3788755.4/27

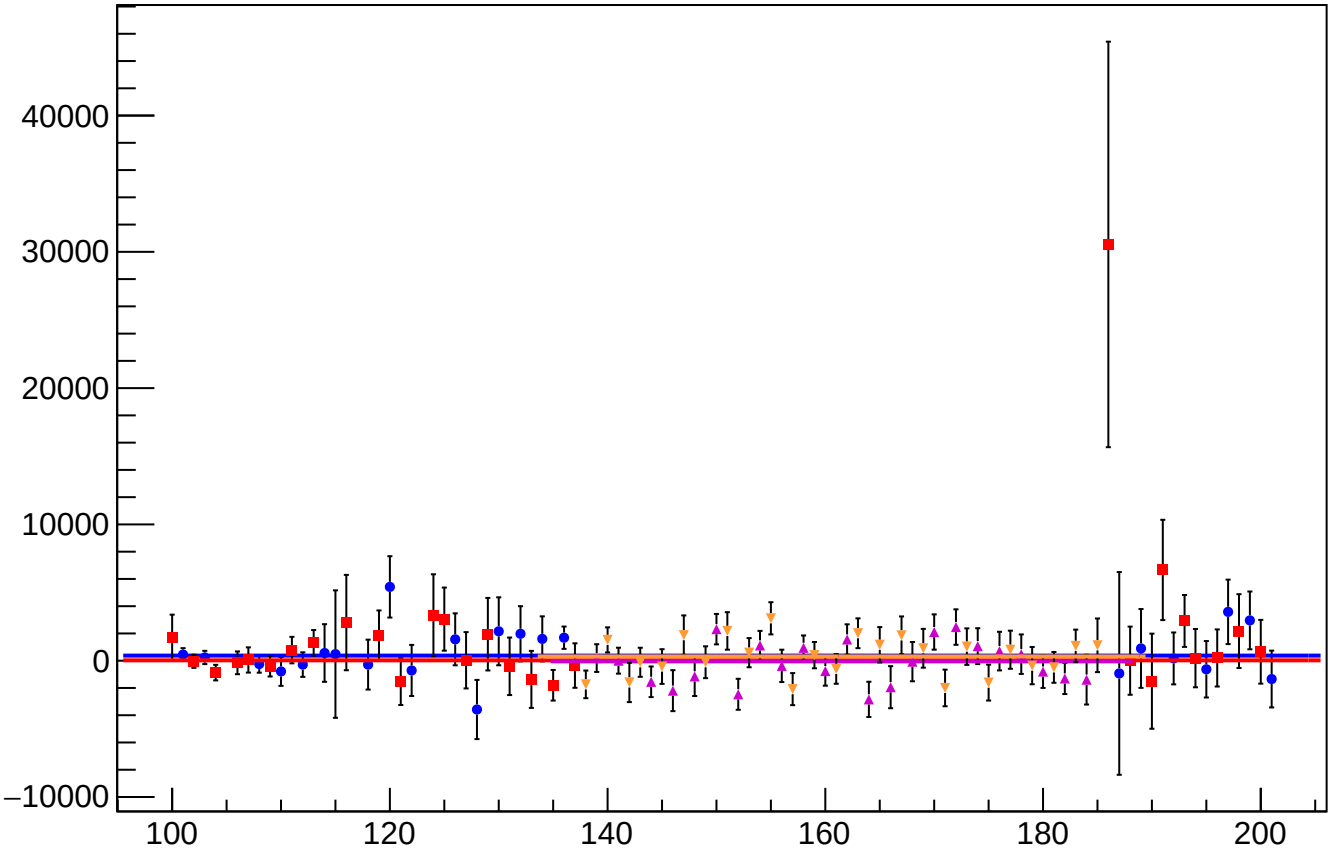
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 155.479+/-0.020 χ^2/NDF: 3348525.8/47

All: 154.597+/-0.014 χ^2/NDF: 8317535.5/98

- sign 153.720+/-0.020 χ^2/NDF: 4965176.0/50

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: 27.340+/-231.535 χ^2/NDF: 26.1/27

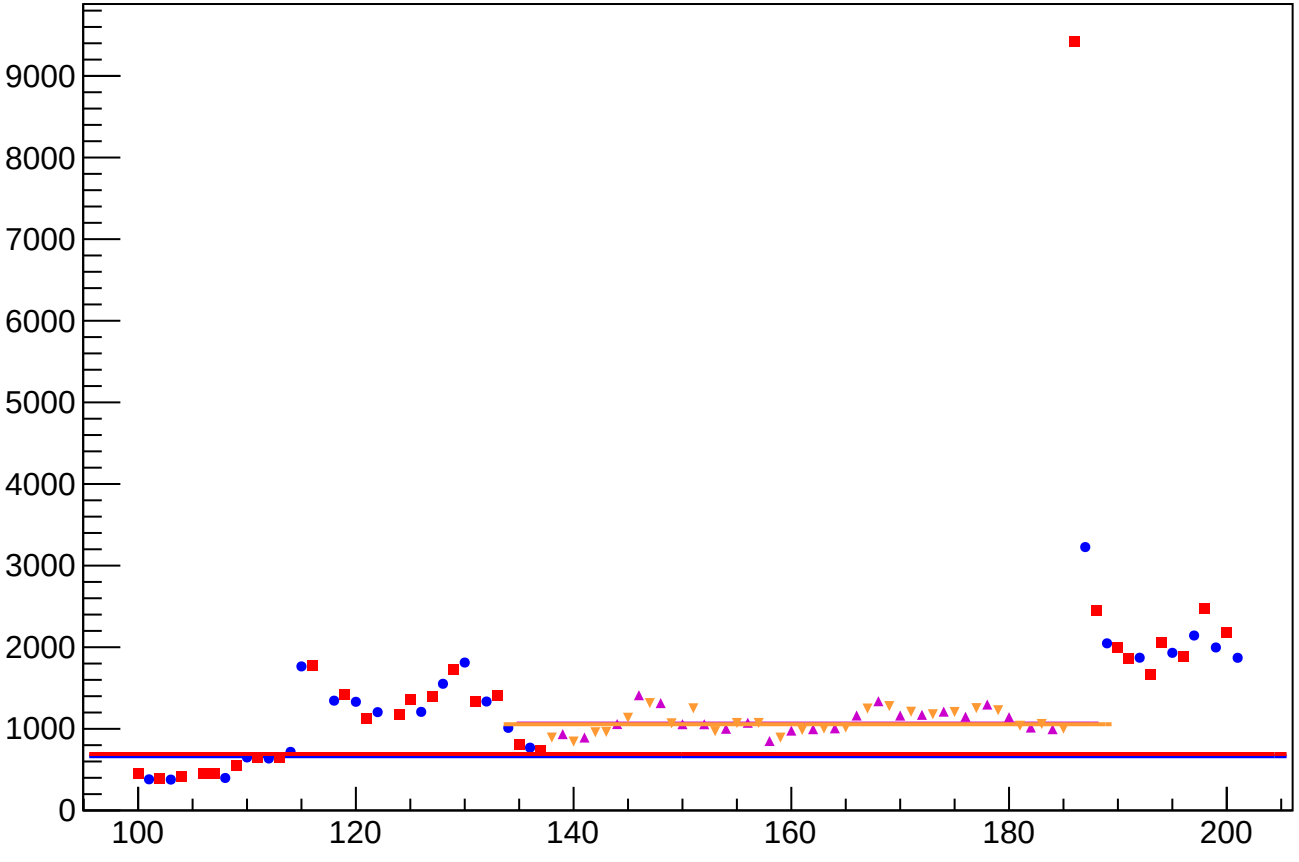
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 344.853+/-167.981 χ^2/NDF: 53.5/47

All: 171.348+/-119.580 χ^2/NDF: 116.2/98

- sign -6.905+/-170.264 χ^2/NDF: 60.6/50

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: 691.767+/-0.164 χ^2/NDF: 9325216.3/27

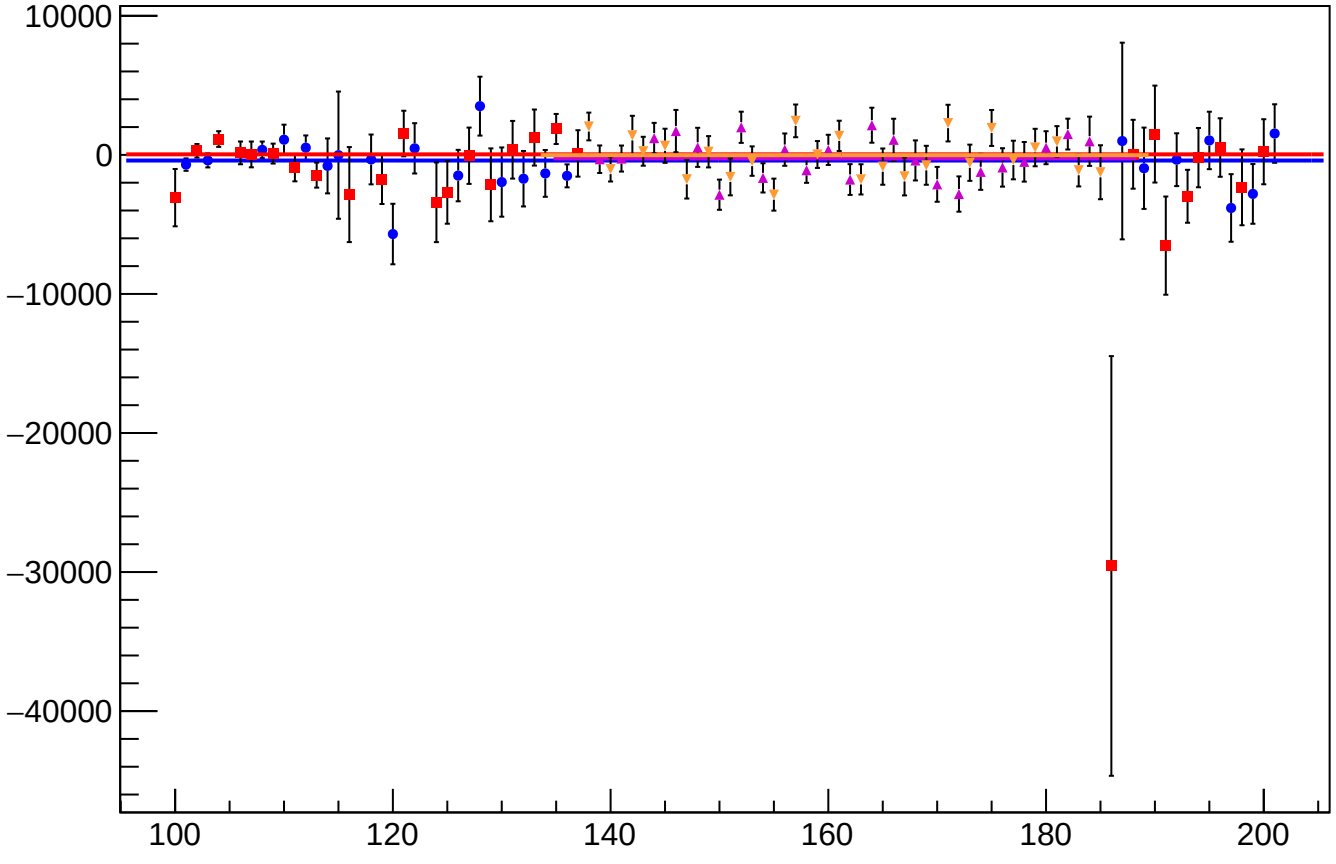
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 852.683+/-0.119 χ^2/NDF: 11576495.4/47

All: 857.784+/-0.085 χ^2/NDF: 23899193.3/98

- sign 863.024+/-0.120 χ^2/NDF: 12318959.4/50

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: 38.194+/-229.492 χ^2/NDF: 30.3/27

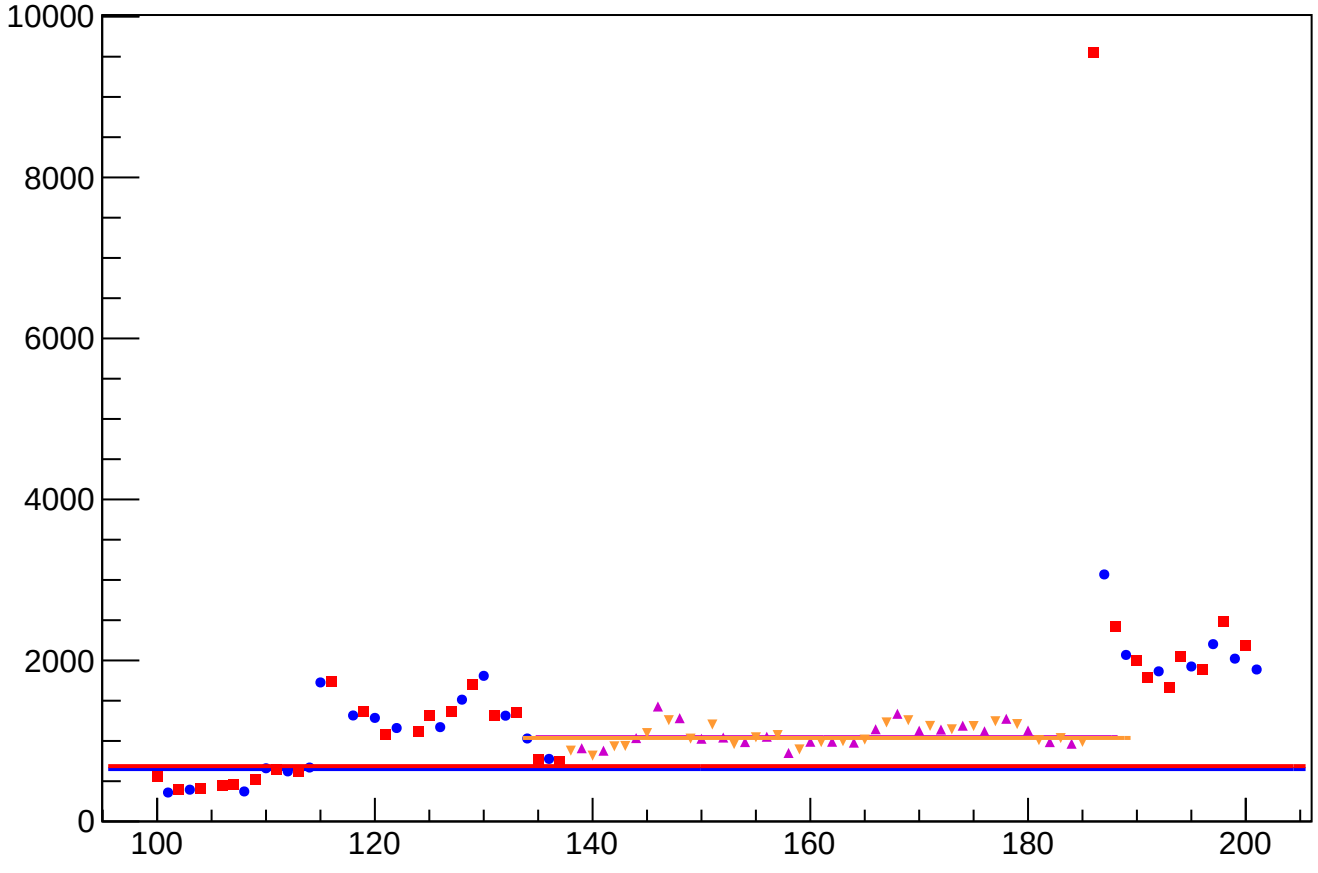
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -220.760+/-165.196 χ^2/NDF: 58.4/47

All: -160.340+/-117.855 χ^2/NDF: 123.4/98

- sign -97.710+/-168.188 χ^2/NDF: 64.7/50

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: 687.327+/-0.162 χ^2/NDF: 9210905.9/27

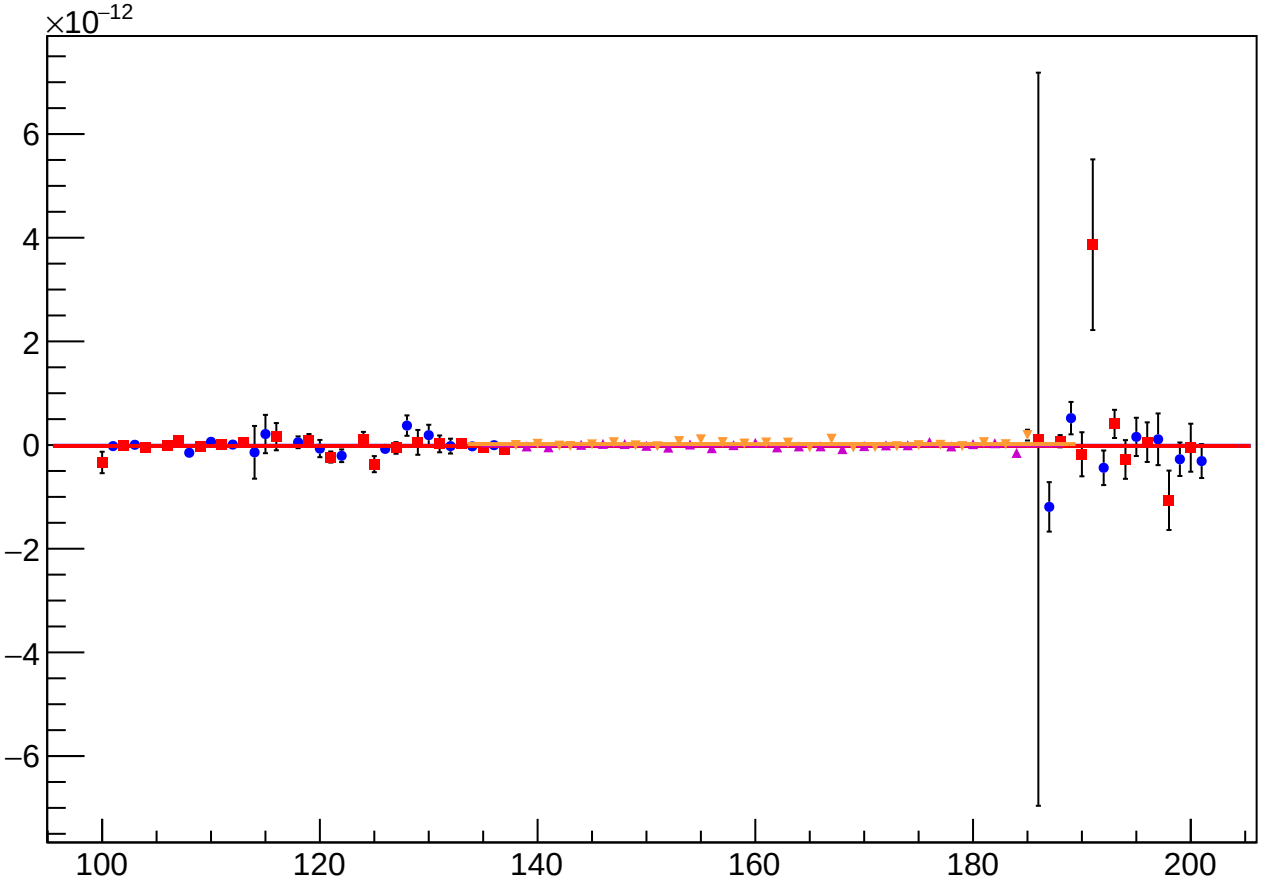
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 836.961+/-0.117 χ^2/NDF: 11733035.1/47

All: 845.382+/-0.083 χ^2/NDF: 23849864.3/98

- sign 854.111+/-0.119 χ^2/NDF: 12106244.9/50

asym_sam6_reg_vs_cor_diff_mean vs Slug



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: 32.5/27

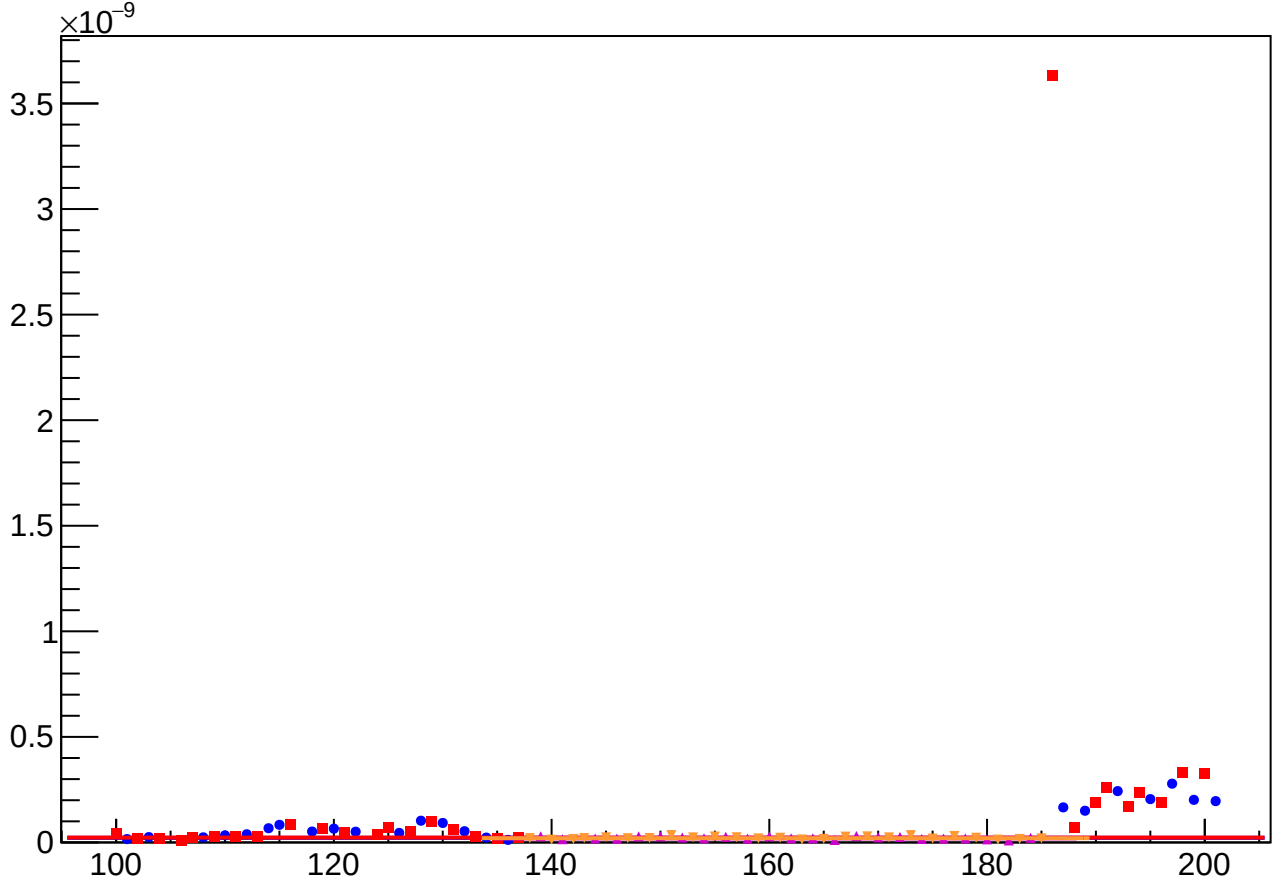
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.4/47

All: 0.000+/-0.000 χ^2/NDF: 119.4/98

- sign -0.000+/-0.000 χ^2/NDF: 51.6/50

asym_sam6_reg_vs_cor_diff_rms vs Slug



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: 6156154.9/27

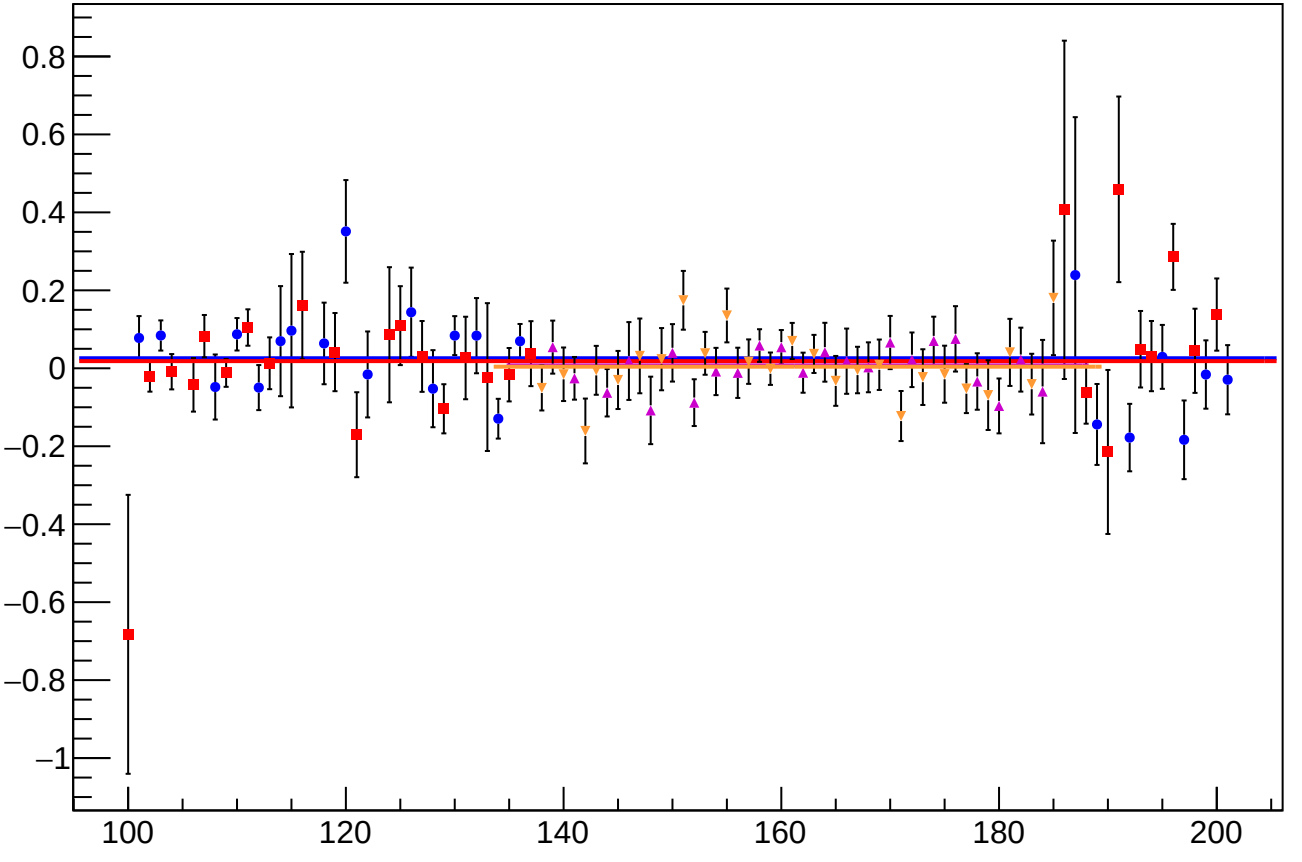
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6664295.2/47

All: 0.000+/-0.000 χ^2/NDF: 13990550.4/98

- sign 0.000+/-0.000 χ^2/NDF: 7320768.2/50

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: 39.0/27

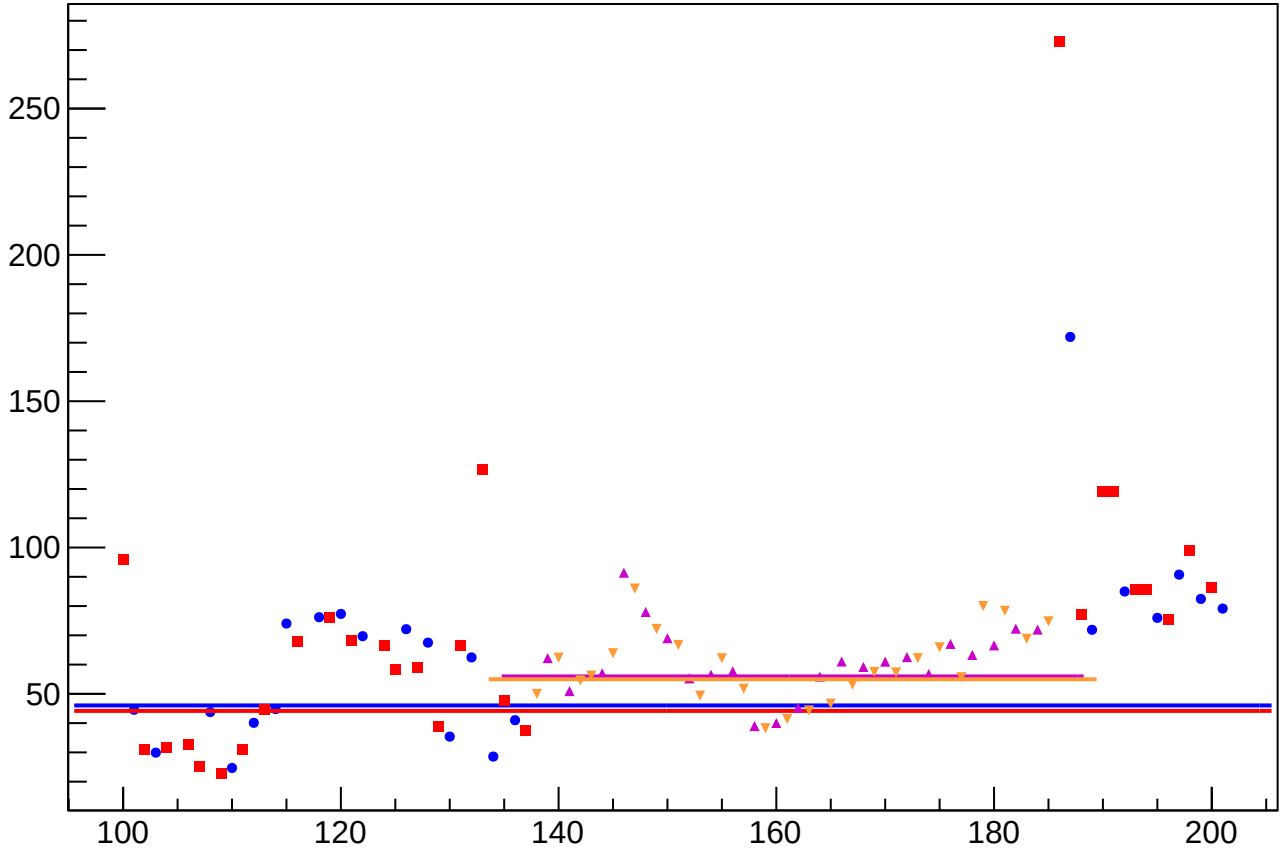
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.5/47

All: 0.013+/-0.007 χ^2/NDF: 121.9/98

- sign 0.013+/-0.010 χ^2/NDF: 54.4/50

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: 44.179+/-0.010 χ^2/NDF: 5913428.2/27

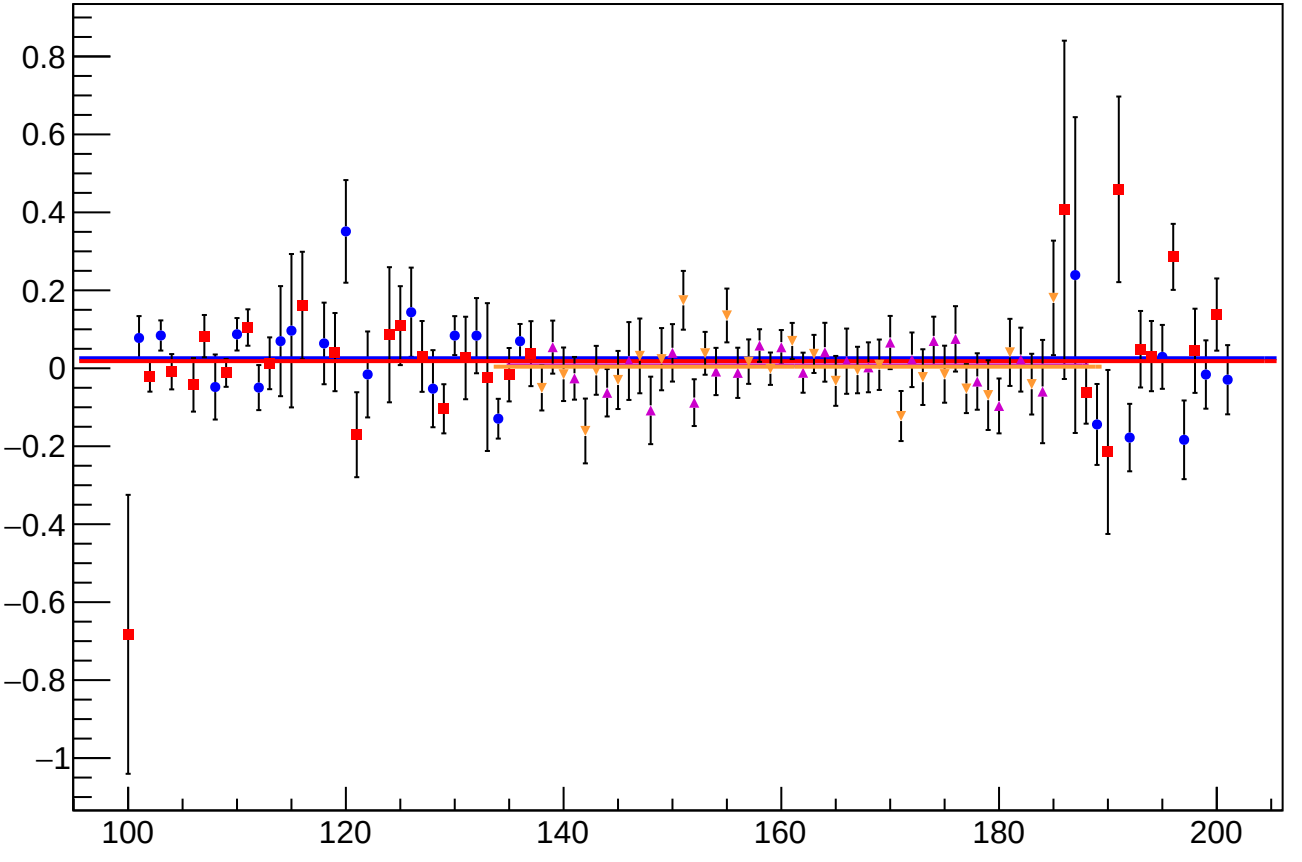
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 51.075+/-0.007 χ^2/NDF: 5904096.1/47

All: 50.660+/-0.005 χ^2/NDF: 13967021.7/98

- sign 50.246+/-0.007 χ^2/NDF: 8055623.7/50

asym_sam6_dit_vs_eigen_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: 39.0/27

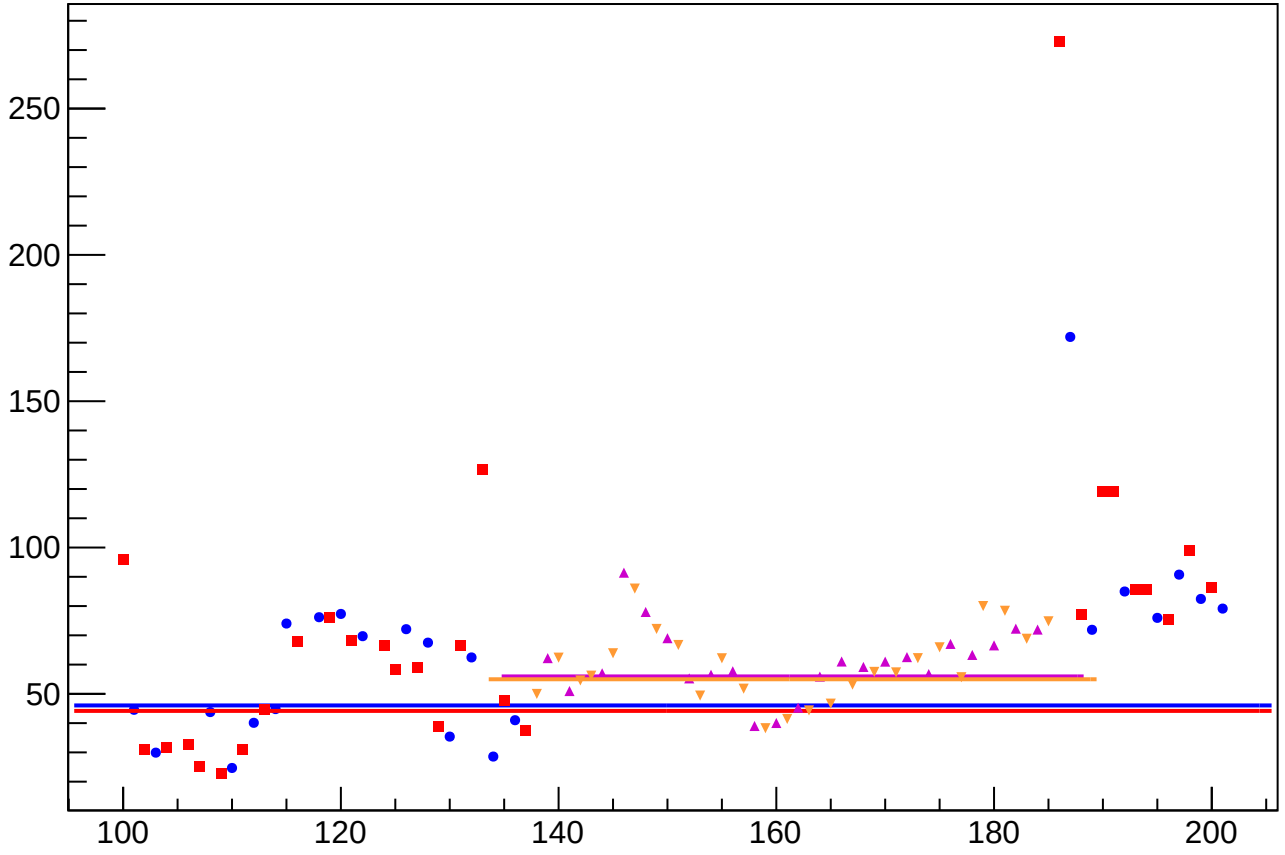
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.5/47

All: 0.013+/-0.007 χ^2/NDF: 121.9/98

- sign 0.013+/-0.010 χ^2/NDF: 54.4/50

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

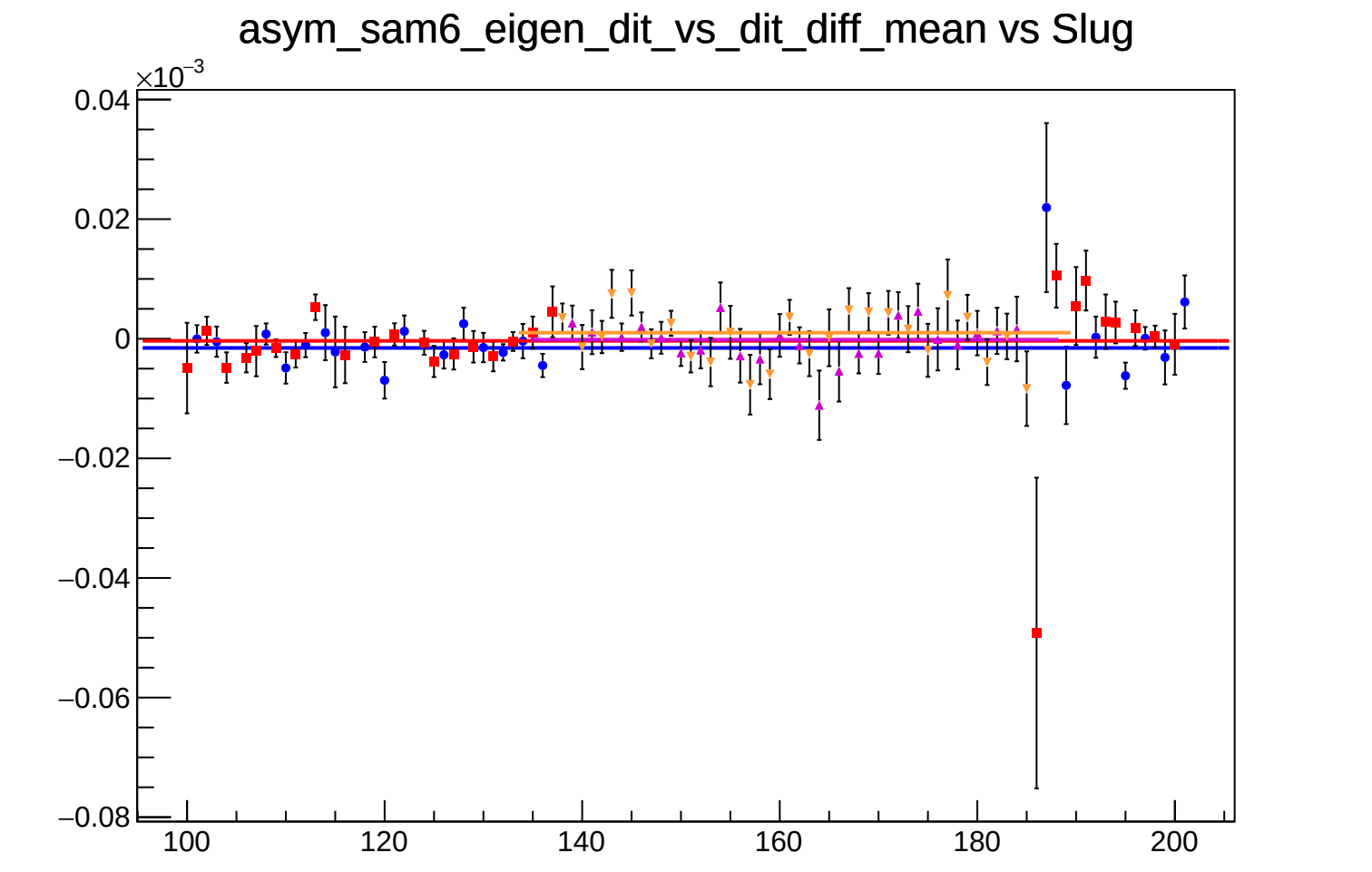
Right Out: 44.179+/-0.010 χ^2/NDF: 5913428.2/27

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

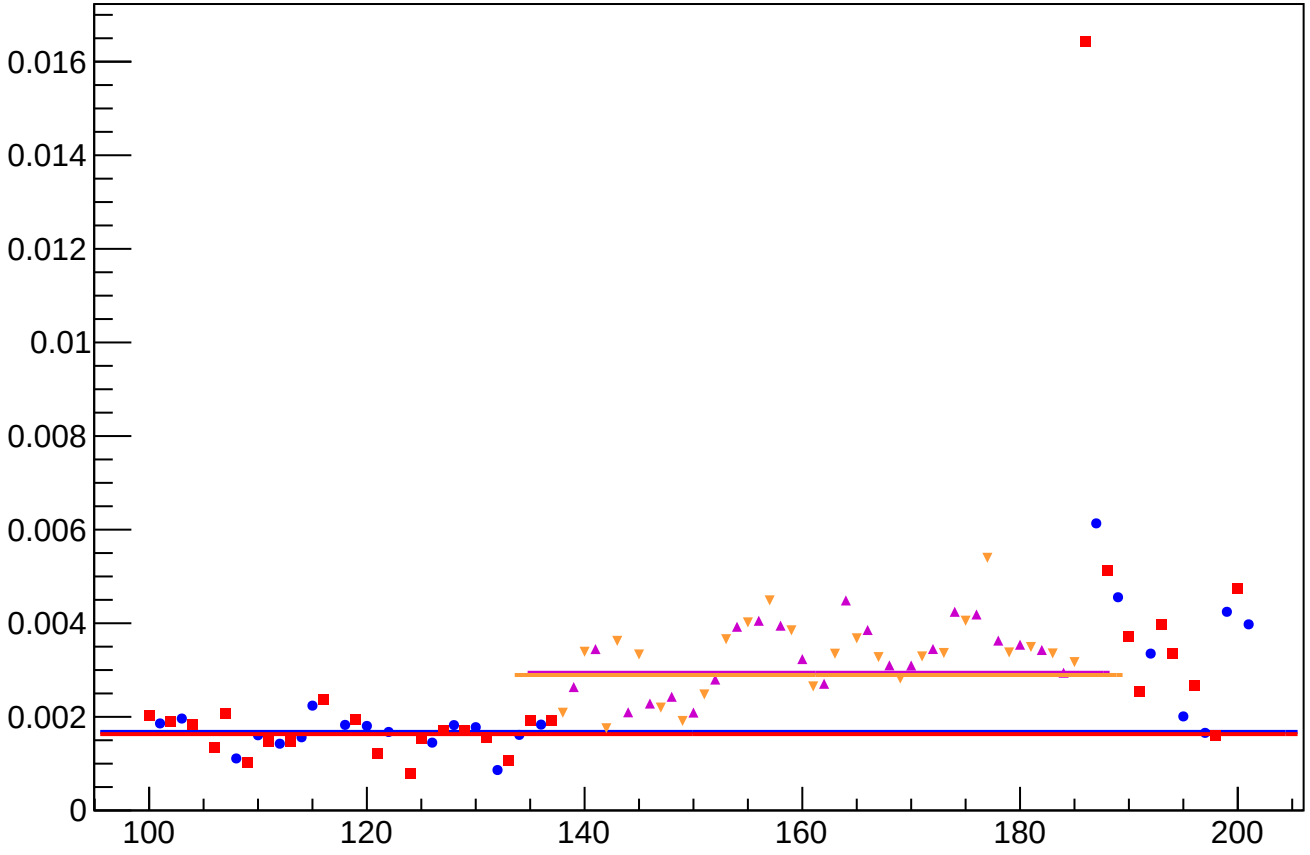
+ sign 51.075+/-0.007 χ^2/NDF: 5904096.1/47

All: 50.660+/-0.005 χ^2/NDF: 13967021.7/98

- sign 50.246+/-0.007 χ^2/NDF: 8055623.7/50


asym_sam6_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: 26.2/22
Left Out: 0.000+/-0.000 χ²/NDF:28.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.5/27
Left In: -0.000+/-0.000 χ²/NDF:14.0/22
+ sign -0.000+/-0.000 χ²/NDF: 63.5/47
All: -0.000+/-0.000 χ²/NDF: 112.3/98
- sign -0.000+/-0.000 χ²/NDF: 48.6/50

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

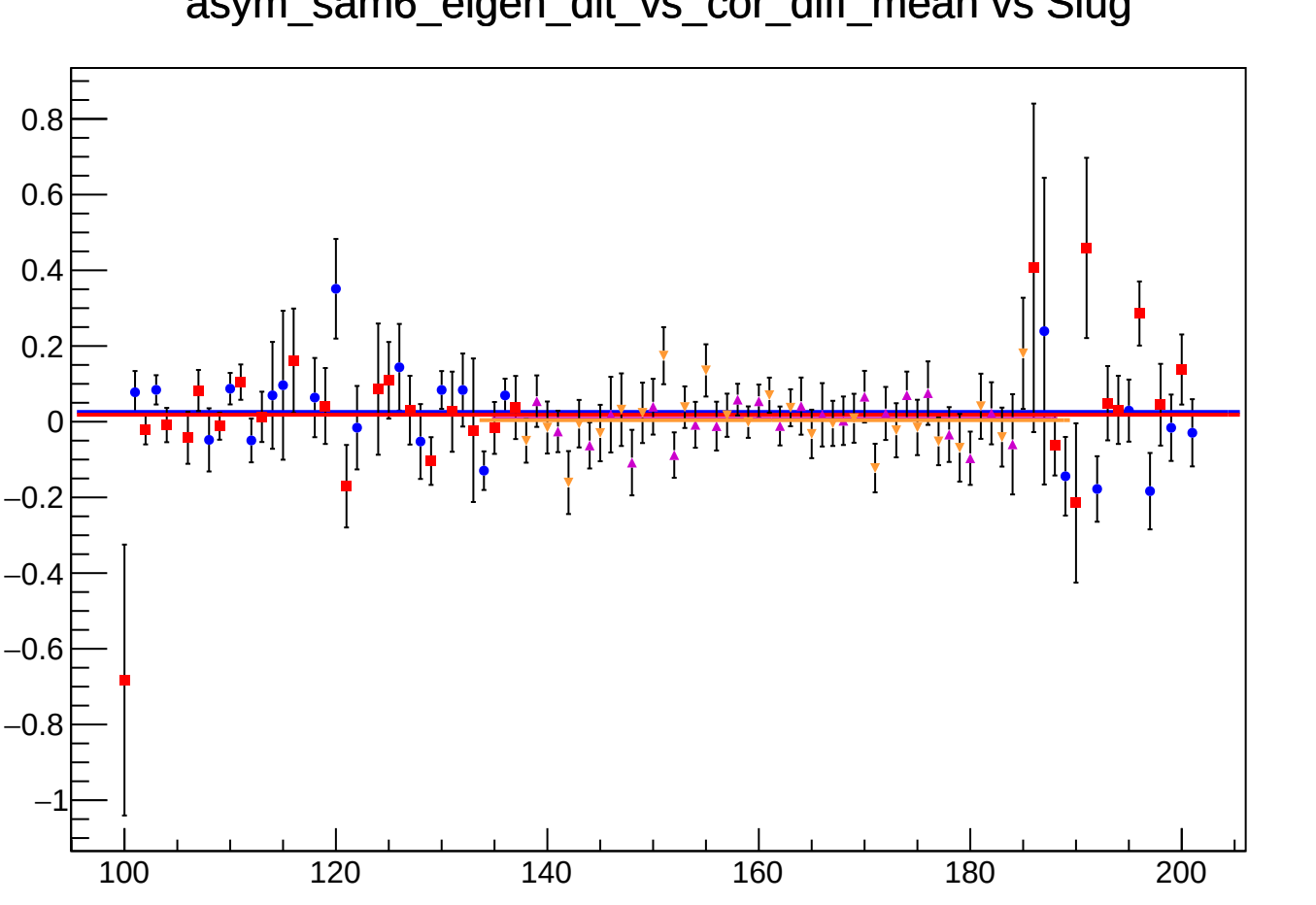
Right Out: 0.002+/-0.000 χ^2/NDF: 5087609.2/27

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: 21565298.9/98

- sign 0.002+/-0.000 χ^2/NDF: 11565206.5/50



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: 39.0/27

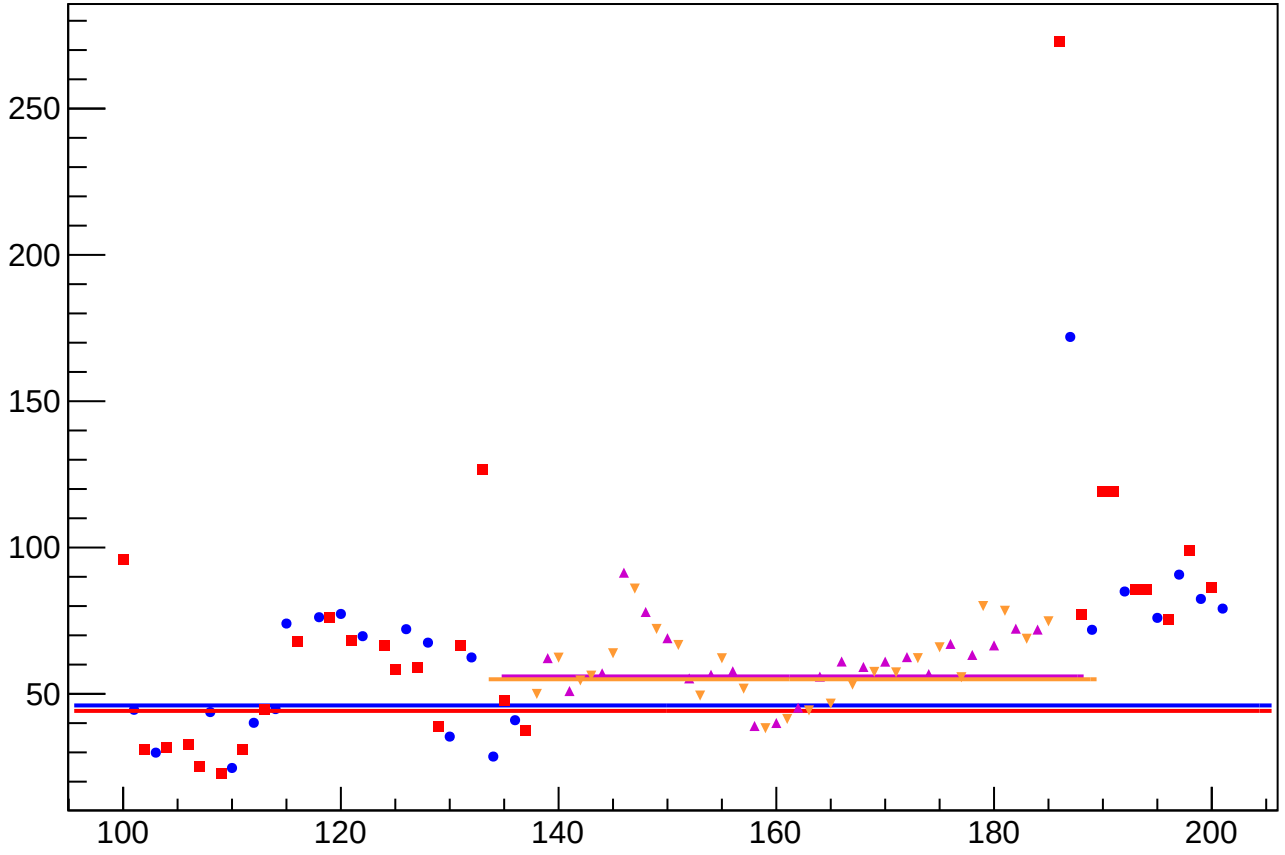
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.4/47

All: 0.013+/-0.007 χ^2/NDF: 121.9/98

- sign 0.013+/-0.010 χ^2/NDF: 54.4/50

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

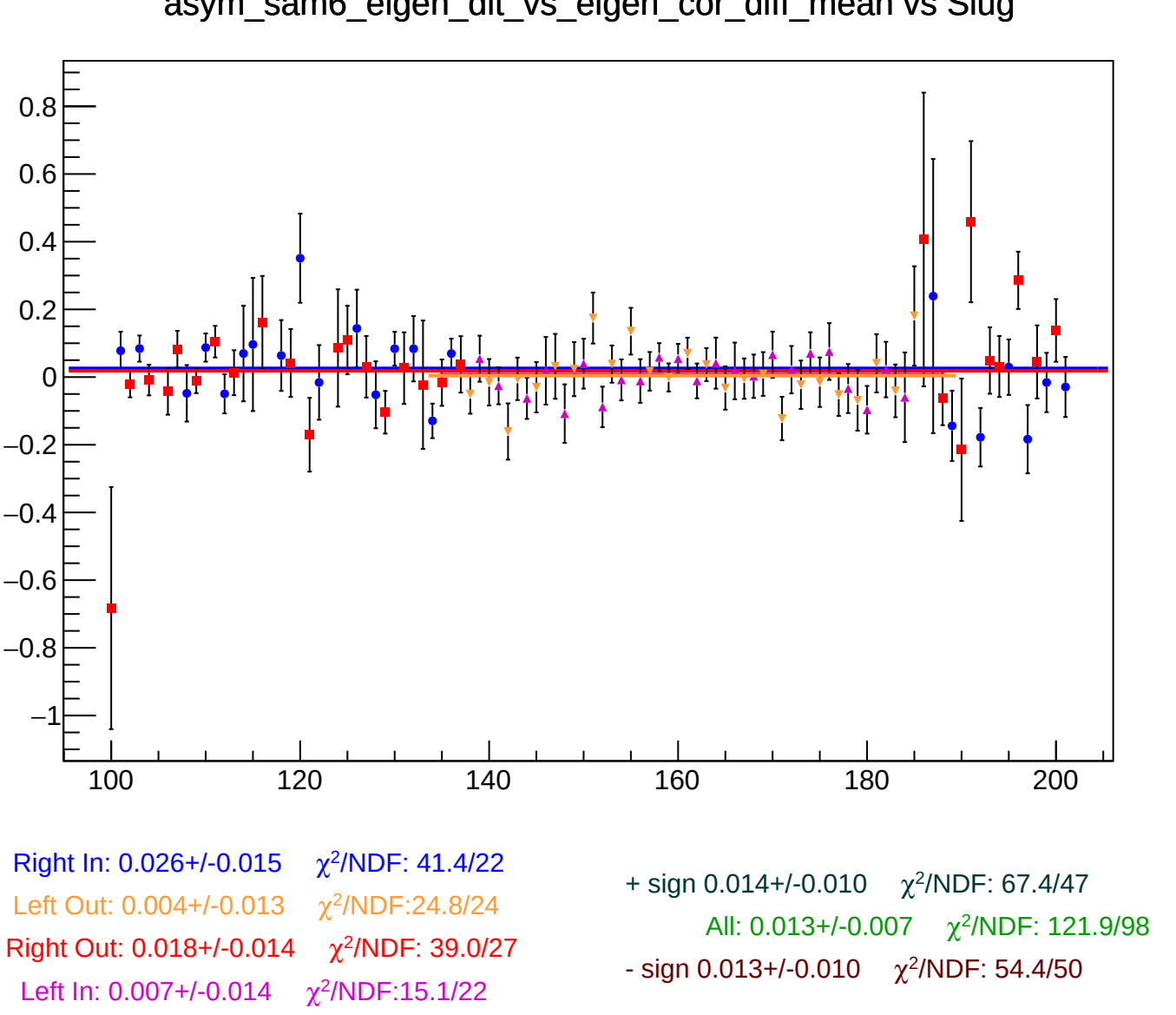
Right Out: 44.178+/-0.010 χ^2/NDF: 5913418.3/27

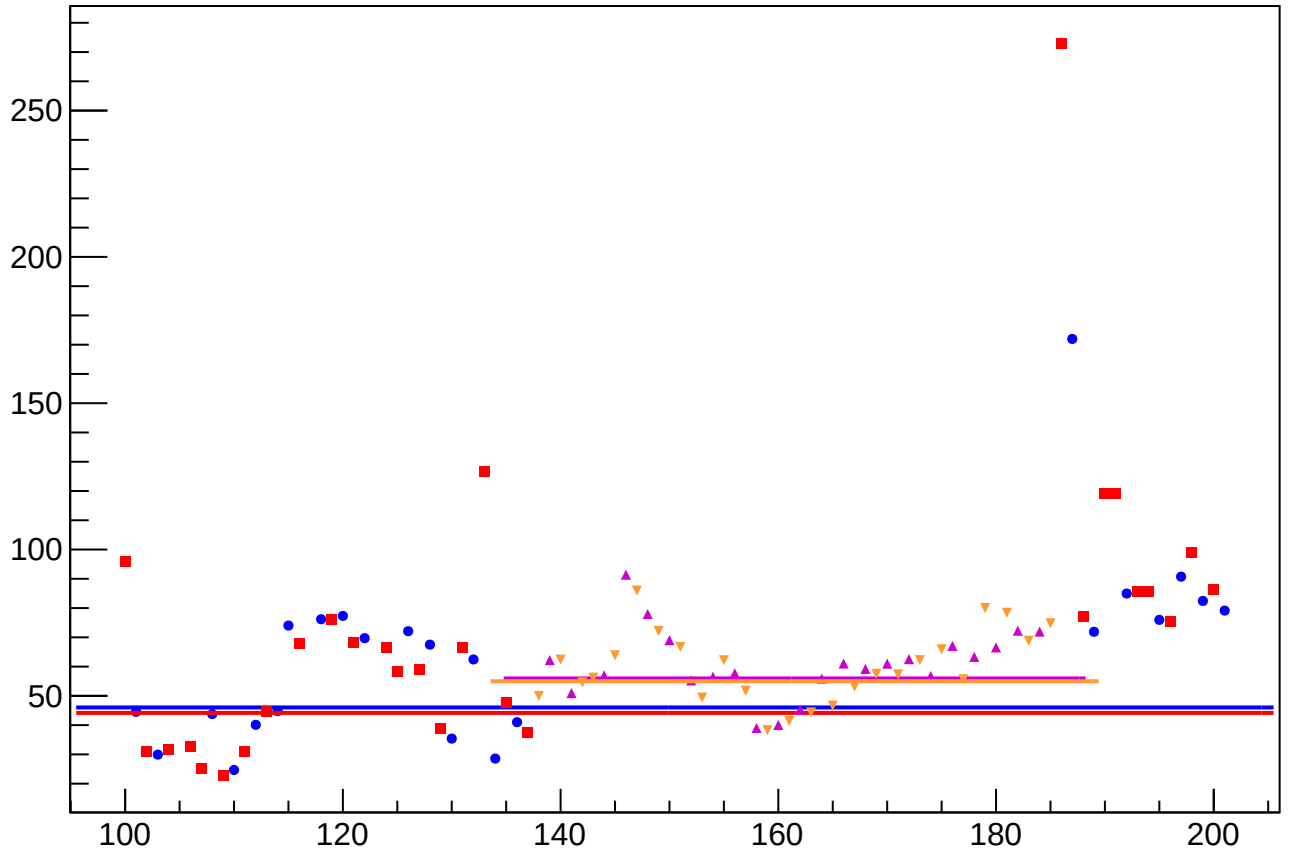
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 51.074+/-0.007 χ^2/NDF: 5904277.7/47

All: 50.659+/-0.005 χ^2/NDF: 13967273.1/98

- sign 50.245+/-0.007 χ^2/NDF: 8055694.9/50


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
Right In: 0.026+/-0.015 χ²/NDF: 41.4/22
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: 0.018+/-0.014 χ²/NDF: 39.0/27
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.014+/-0.010 χ²/NDF: 67.4/47
All: 0.013+/-0.007 χ²/NDF: 121.9/98
- sign 0.013+/-0.010 χ²/NDF: 54.4/50



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: 44.178+/-0.010 χ^2/NDF: 5913418.3/27

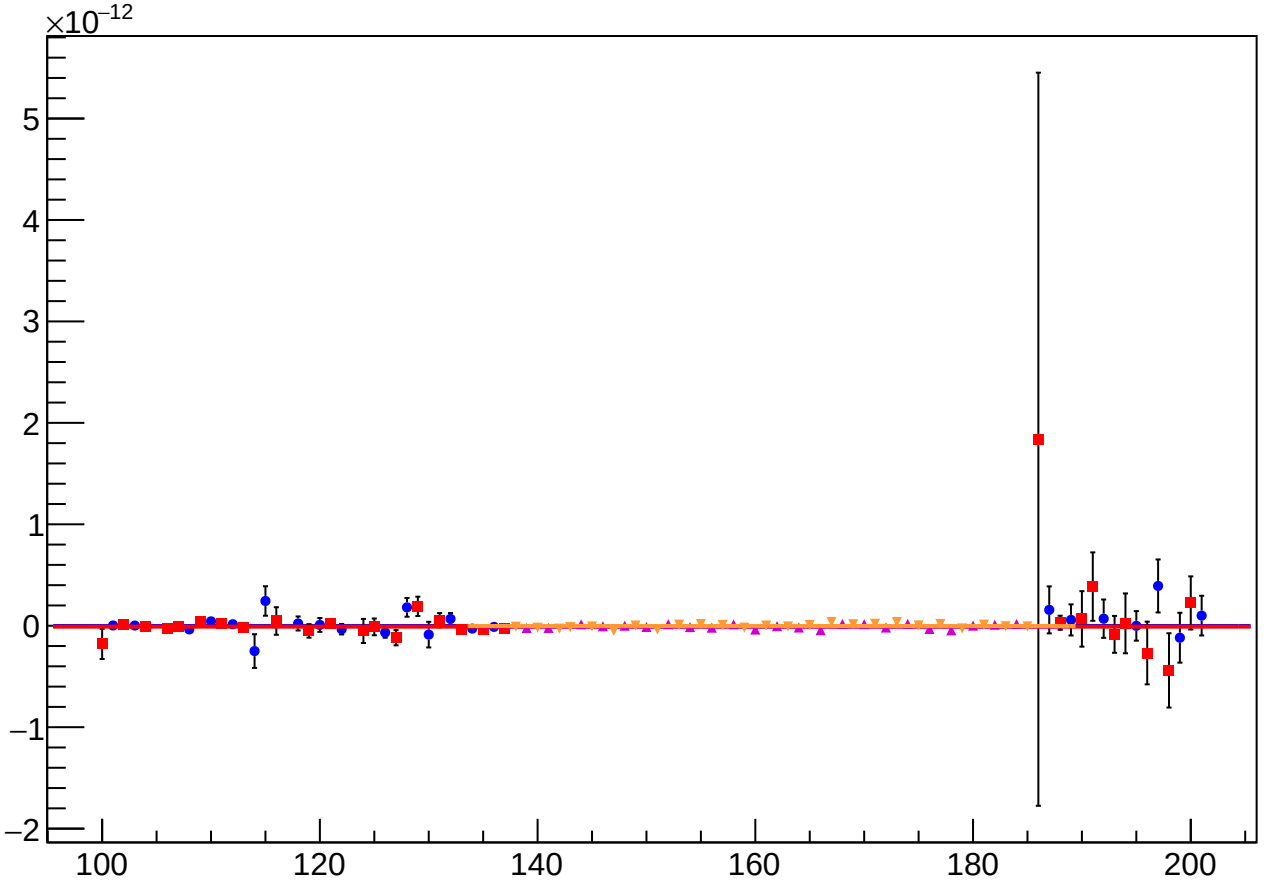
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 51.074+/-0.007 χ^2/NDF: 5904277.7/47

All: 50.659+/-0.005 χ^2/NDF: 13967273.1/98

- sign 50.245+/-0.007 χ^2/NDF: 8055694.9/50

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: 20.8/27

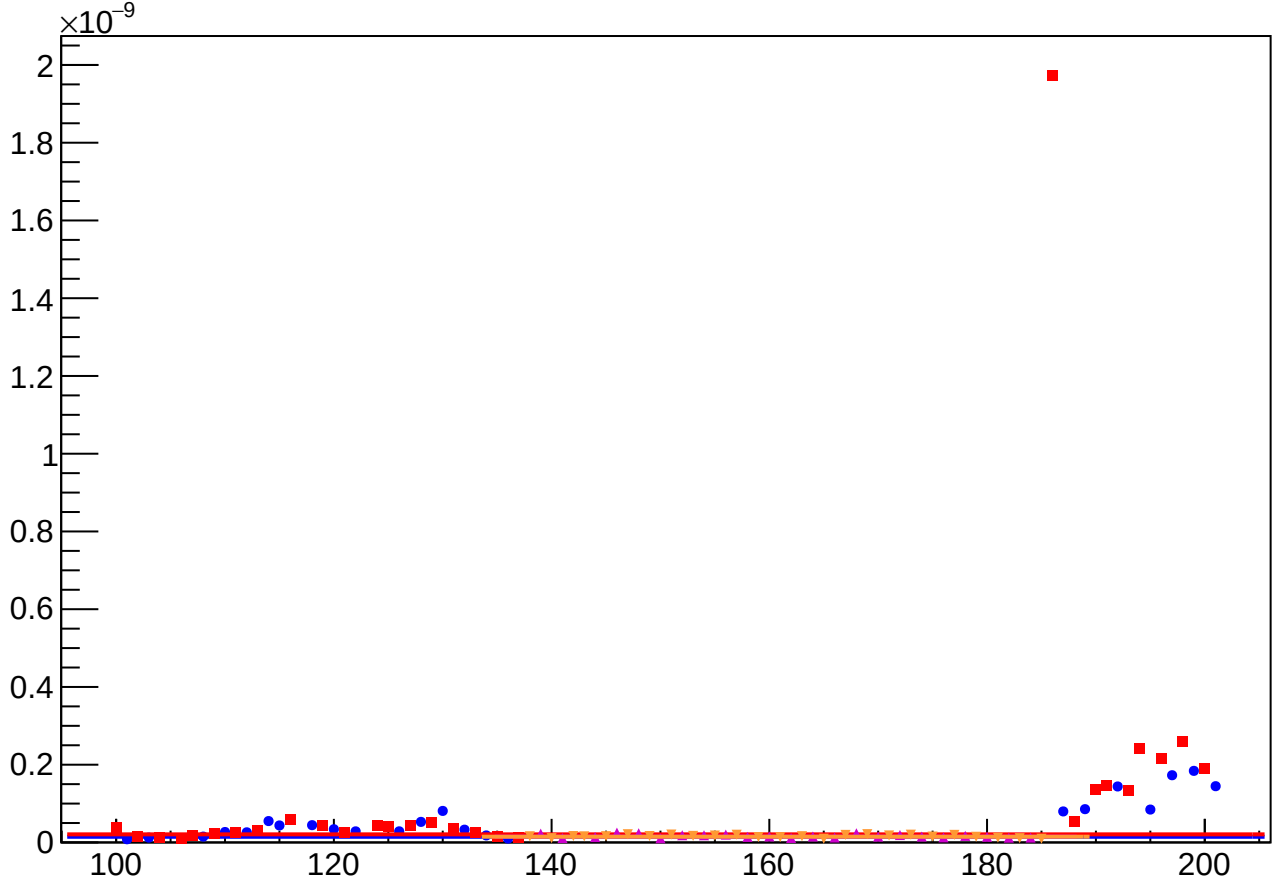
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.5/47

All: -0.000+/-0.000 χ^2/NDF: 83.0/98

- sign -0.000+/-0.000 χ^2/NDF: 42.8/50

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



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: 8190749.6/27

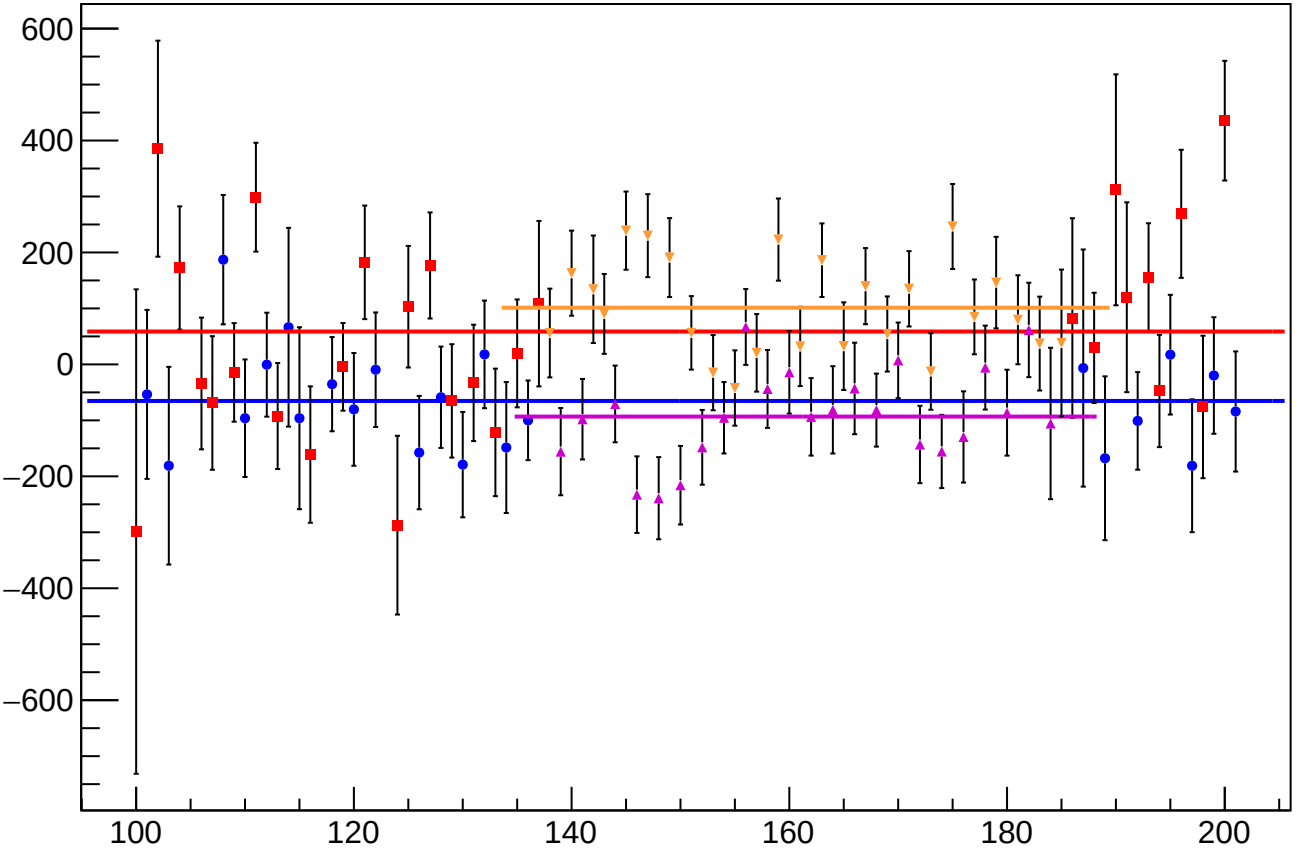
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9188889.3/47

All: 0.000+/-0.000 χ^2/NDF: 19631097.7/98

- sign 0.000+/-0.000 χ^2/NDF: 10323972.6/50

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: 58.739+/-21.261 χ^2/NDF: 53.4/27

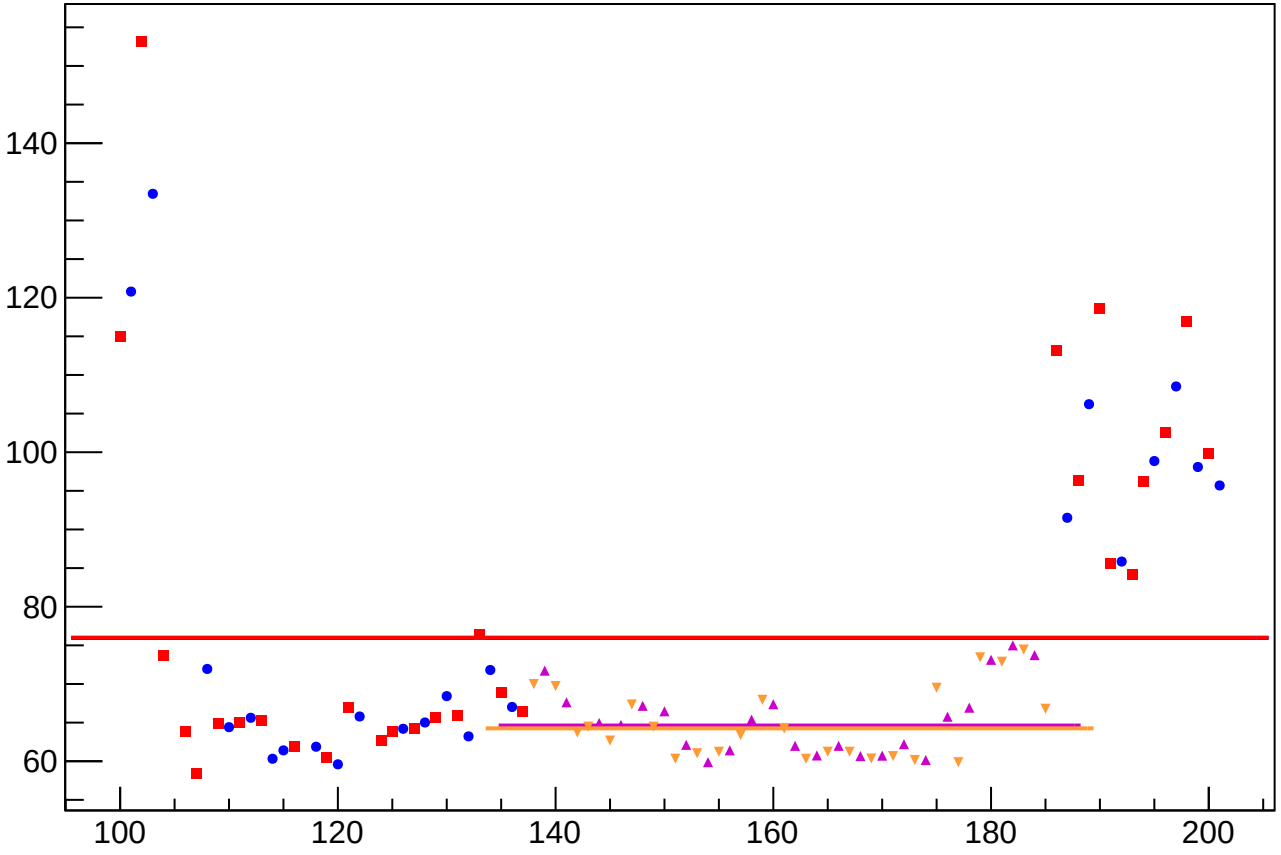
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 51.118+/-12.239 χ^2/NDF: 86.0/47

All: 4.849+/-8.687 χ^2/NDF: 230.9/98

- sign -42.117+/-12.331 χ^2/NDF: 116.1/50

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: 75.994+/-0.015 χ^2/NDF: 1507604.8/27

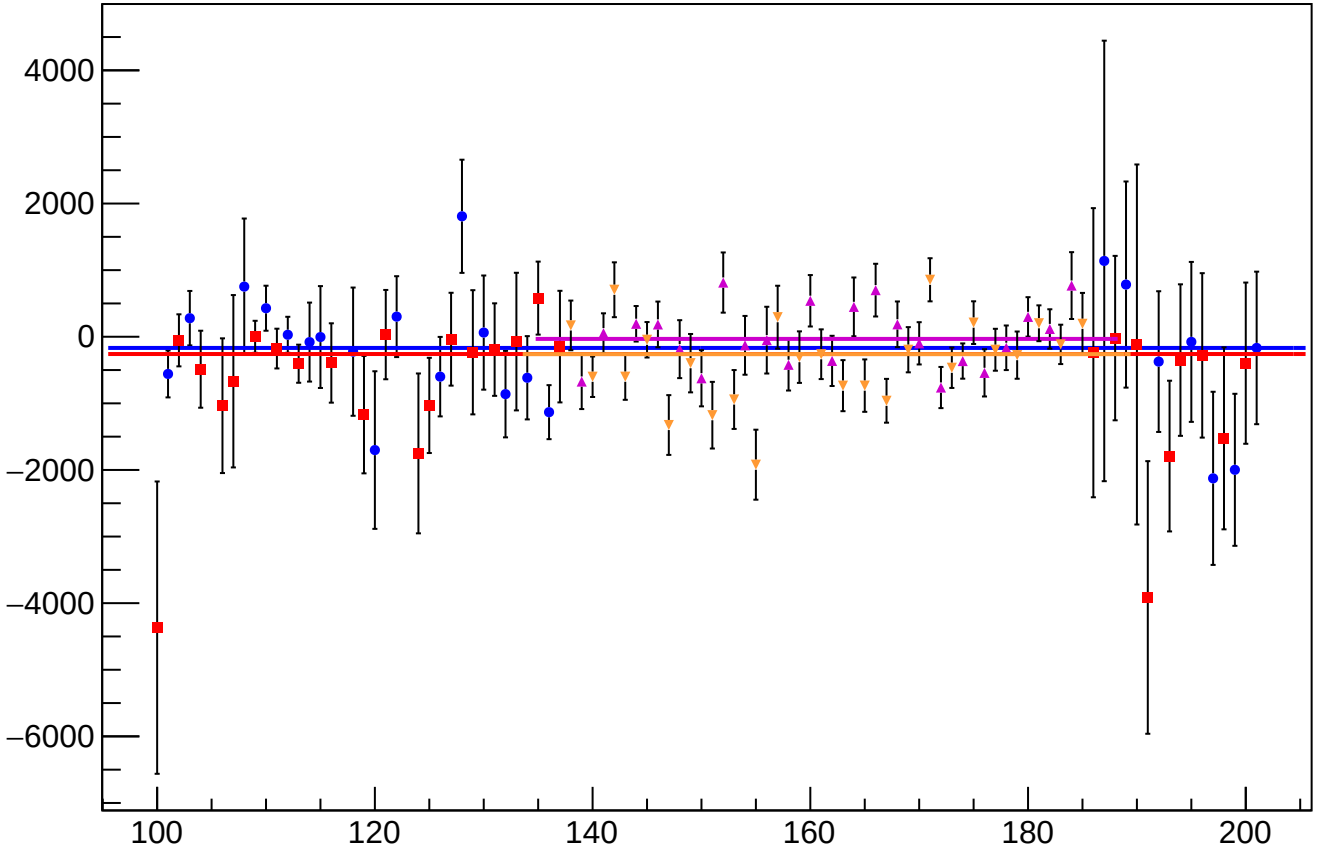
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 67.781+/-0.009 χ^2/NDF: 1822579.5/47

All: 68.111+/-0.006 χ^2/NDF: 3860096.0/98

- sign 68.447+/-0.009 χ^2/NDF: 2034582.9/50

asym_sam7_reg_correction_mean vs Slug



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: -259.400+/-114.141 χ^2/NDF: 18.6/27

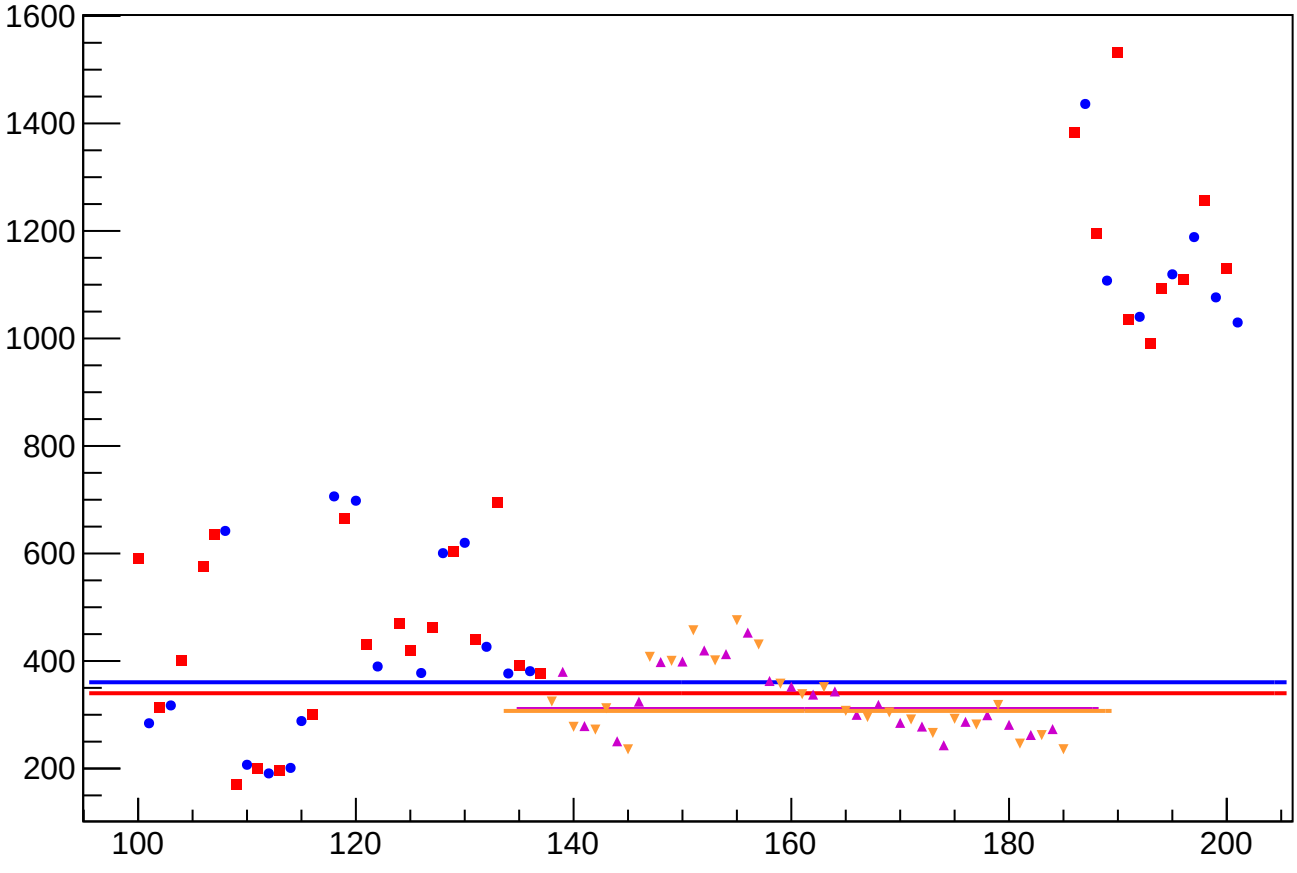
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -237.388+/-61.524 χ^2/NDF: 87.2/47

All: -168.914+/-43.670 χ^2/NDF: 142.8/98

- sign -99.385+/-61.996 χ^2/NDF: 53.1/50

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: 340.049+/-0.081 χ^2/NDF: 9211419.3/27

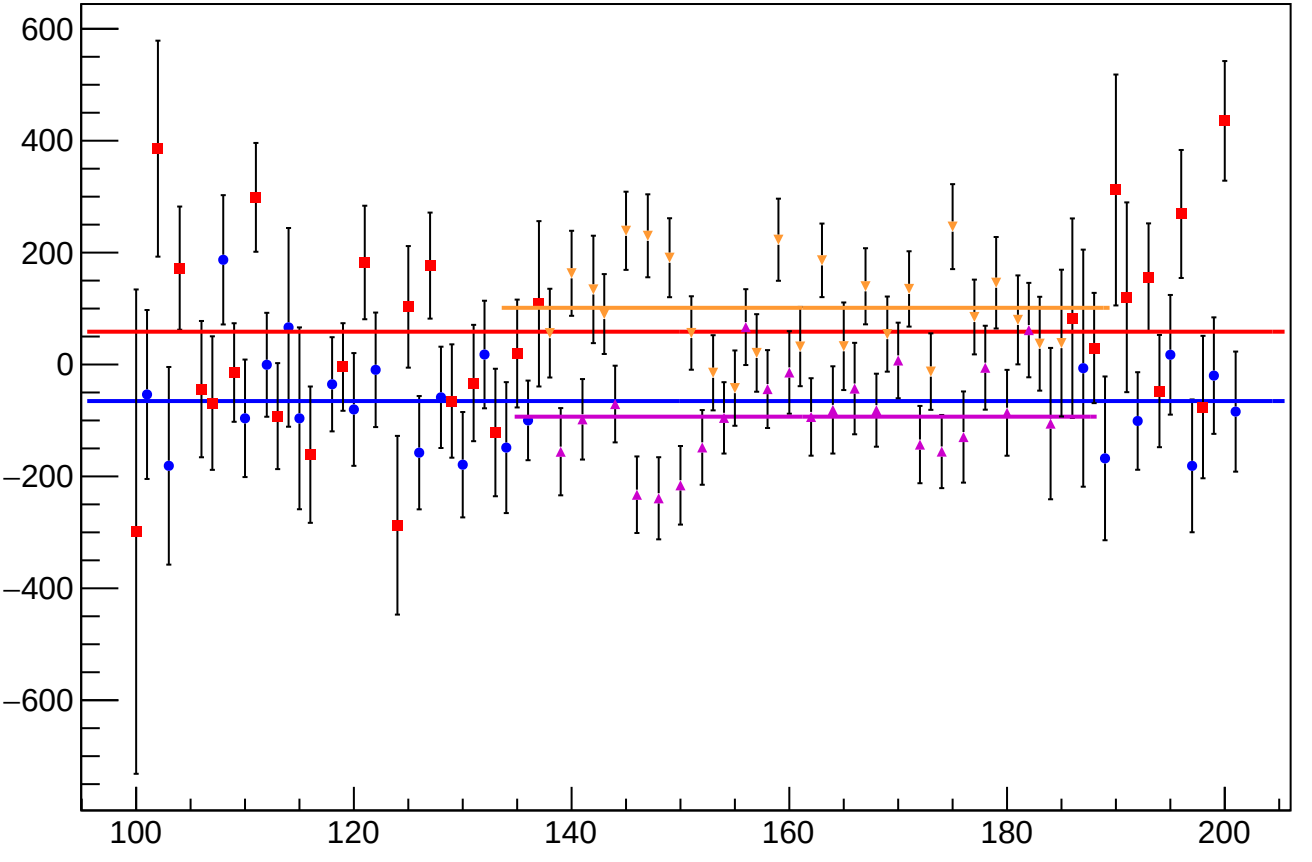
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 320.727+/-0.044 χ^2/NDF: 8619639.0/47

All: 320.047+/-0.031 χ^2/NDF: 19004260.3/98

- sign 319.356+/-0.044 χ^2/NDF: 10384129.0/50

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: 58.637+/-21.284 χ^2/NDF: 53.5/27

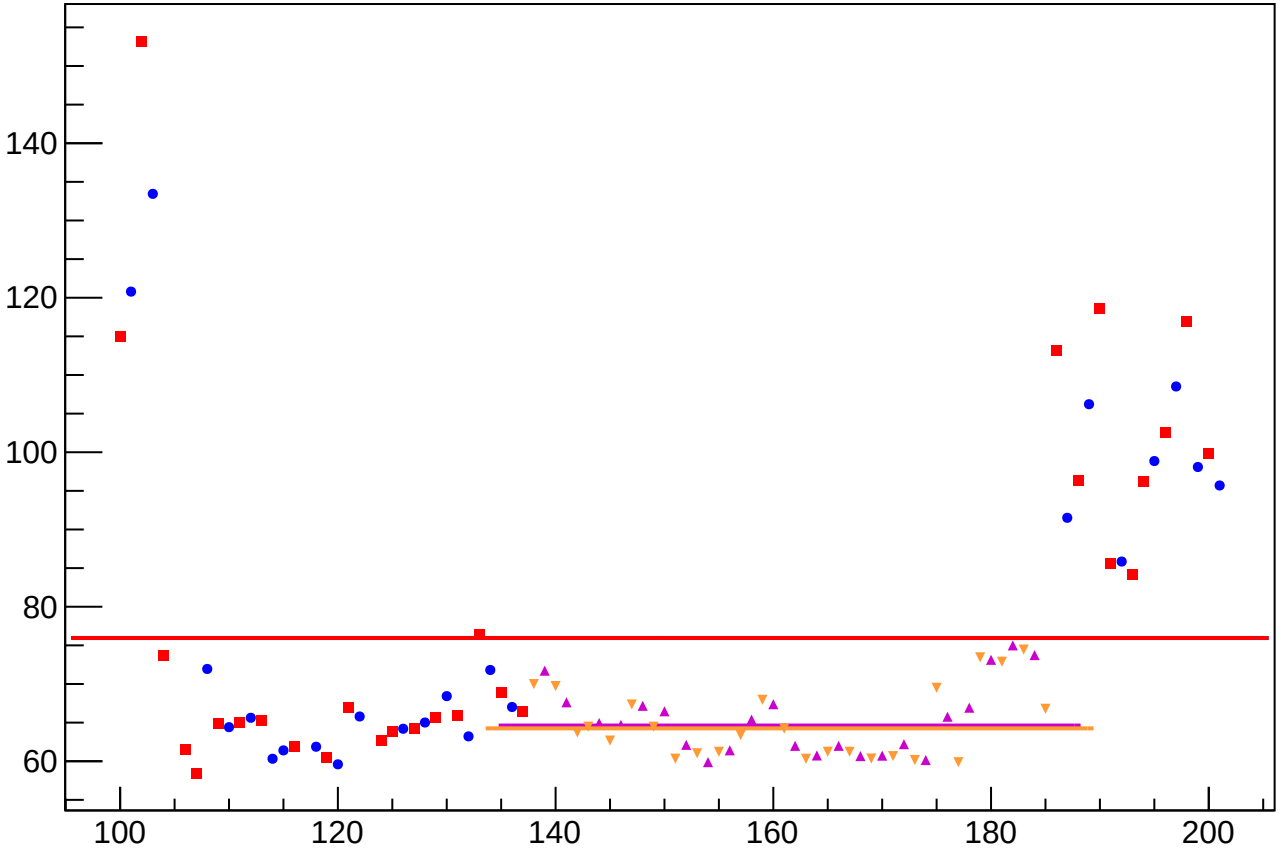
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 51.117+/-12.239 χ^2/NDF: 86.0/47

All: 4.813+/-8.688 χ^2/NDF: 231.0/98

- sign -42.224+/-12.335 χ^2/NDF: 116.1/50

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: 75.948+/-0.015 χ^2/NDF: 1514677.0/27

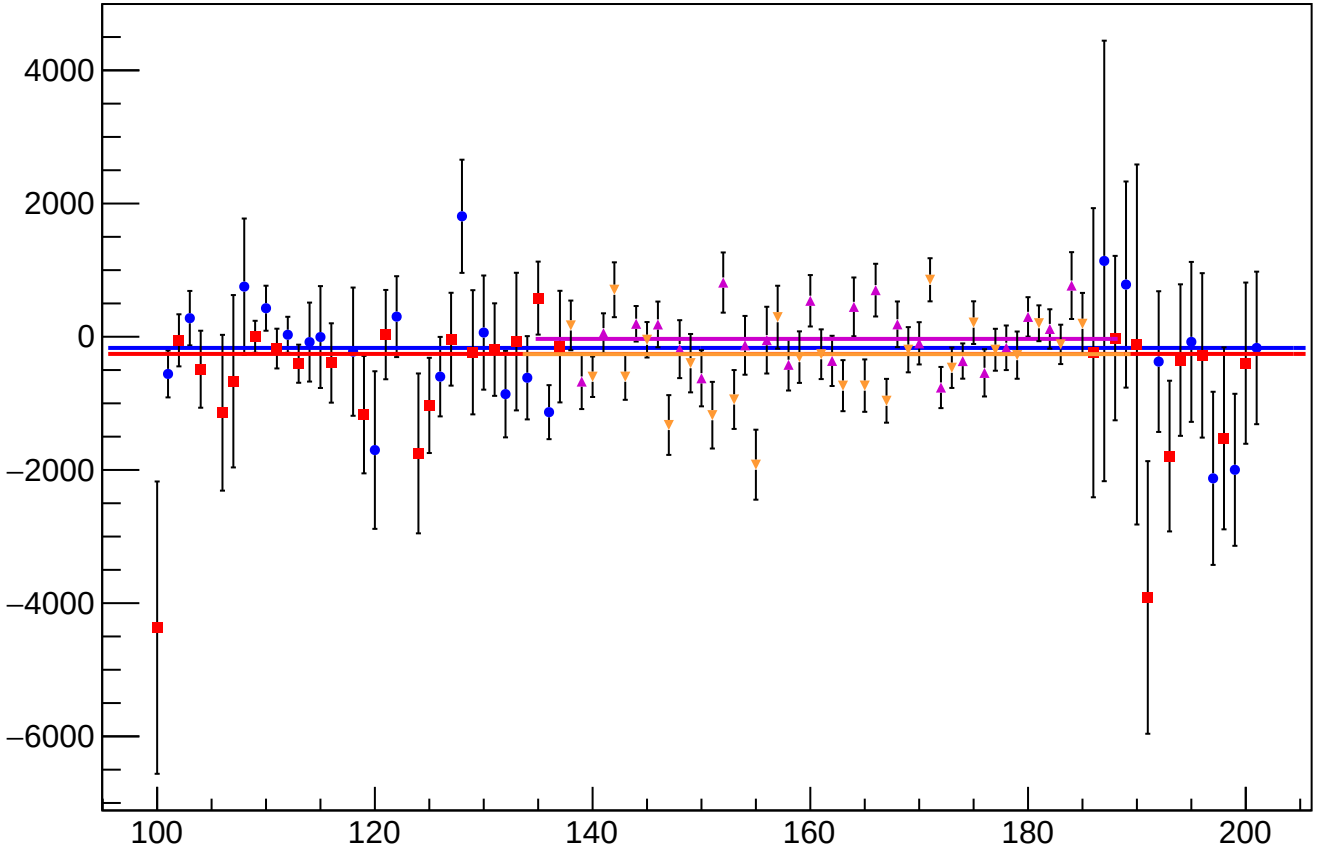
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 67.781+/-0.009 χ^2/NDF: 1822579.9/47

All: 68.101+/-0.006 χ^2/NDF: 3863373.6/98

- sign 68.426+/-0.009 χ^2/NDF: 2038043.0/50

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: -257.922+/-114.329 χ^2/NDF: 18.6/27

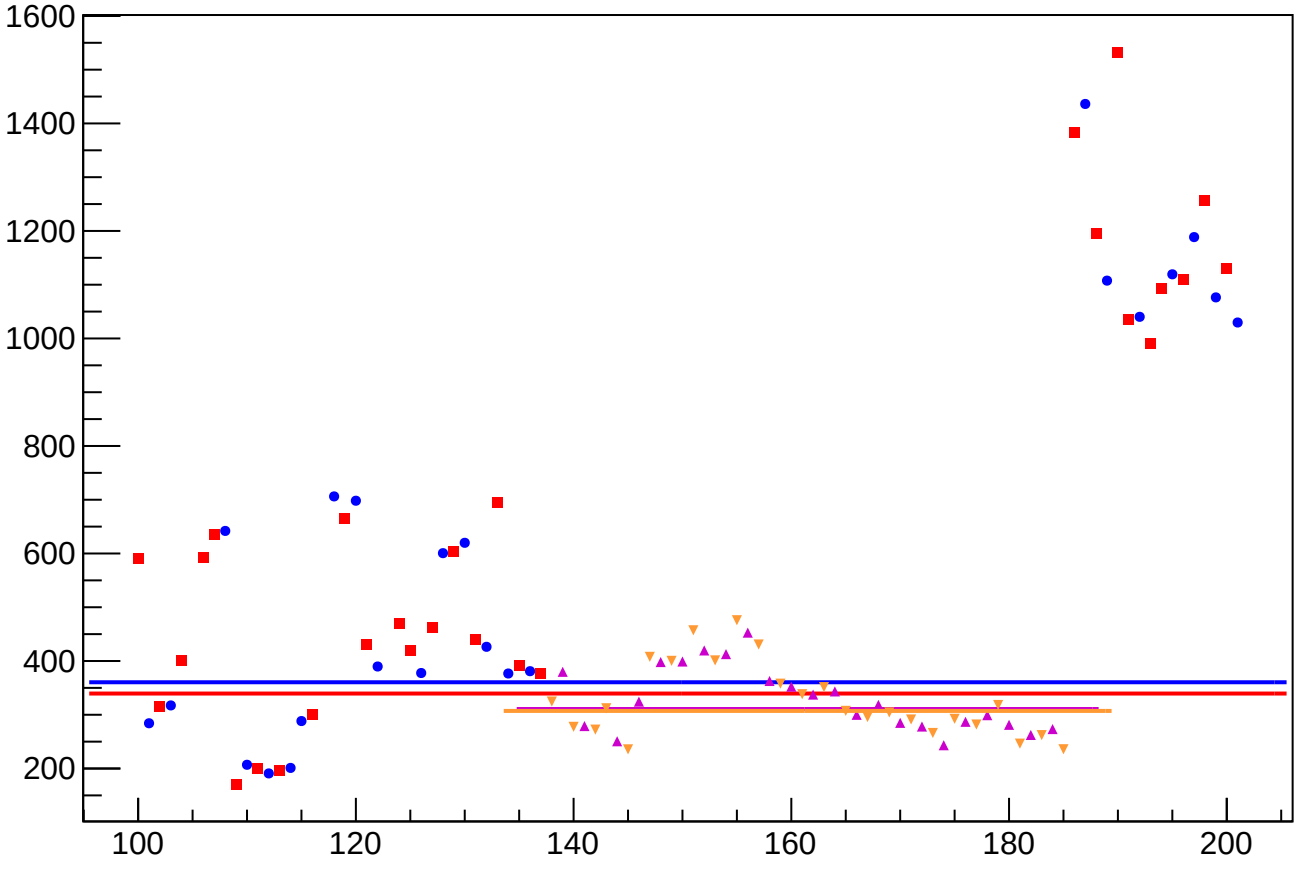
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -237.387+/-61.524 χ^2/NDF: 87.2/47

All: -168.653+/-43.681 χ^2/NDF: 142.8/98

- sign -98.792+/-62.026 χ^2/NDF: 53.0/50

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: 339.476+/-0.081 χ^2/NDF: 9196769.6/27

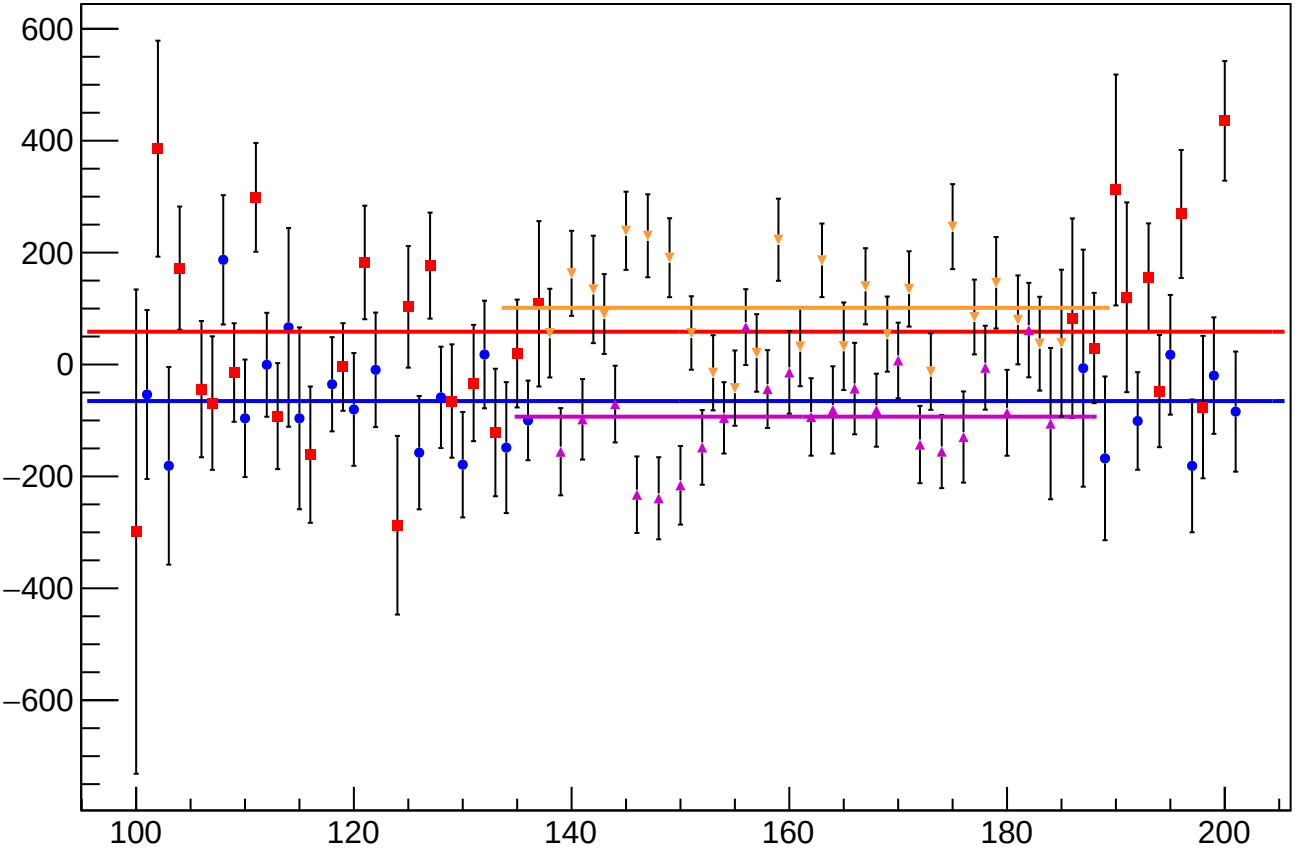
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 320.727+/-0.044 χ^2/NDF: 8619634.9/47

All: 319.954+/-0.031 χ^2/NDF: 18985946.2/98

- sign 319.168+/-0.044 χ^2/NDF: 10365674.3/50

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

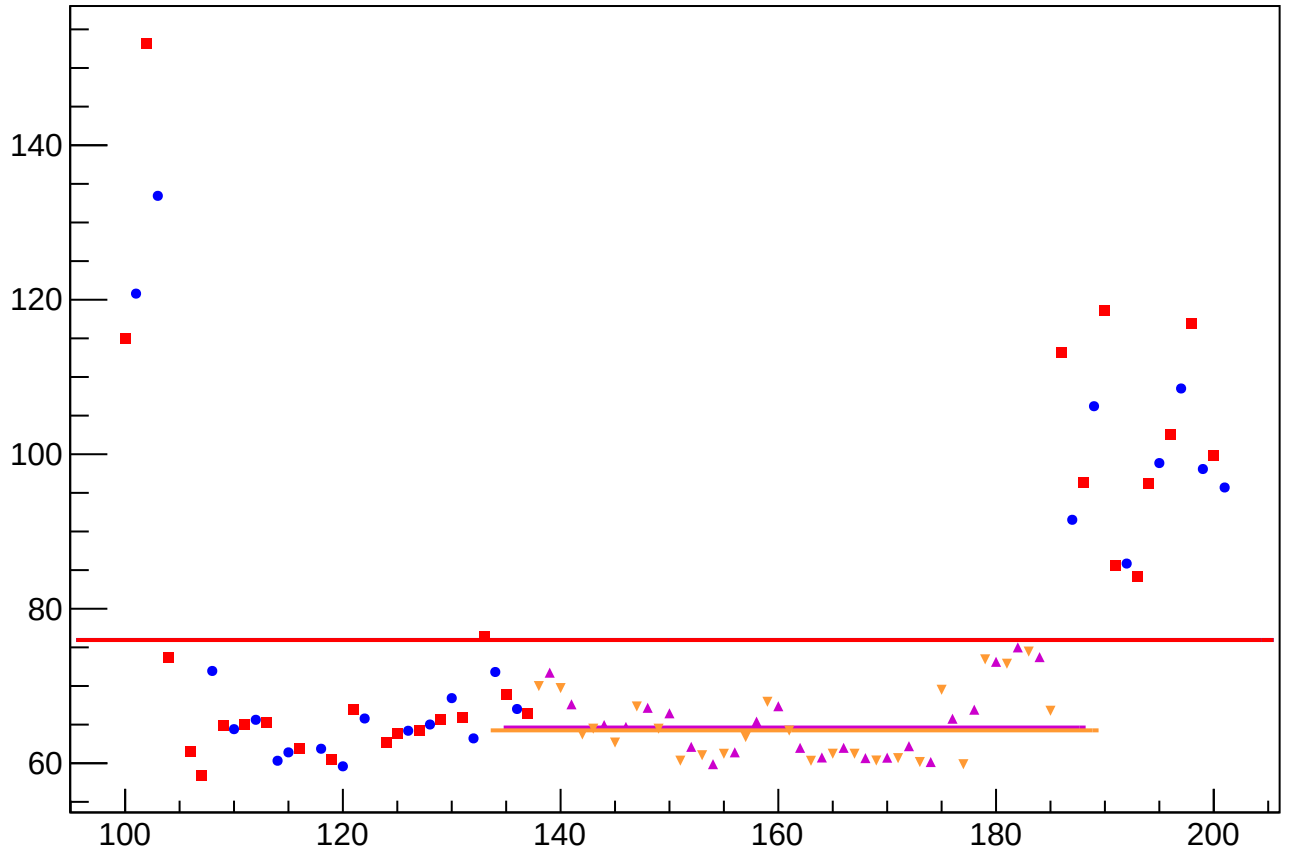
Right Out: 58.637+/-21.284 χ^2/NDF: 53.5/27

Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 51.117+/-12.239 χ^2/NDF: 86.0/47

All: 4.813+/-8.688 χ^2/NDF: 231.0/98

- sign -42.224+/-12.335 χ^2/NDF: 116.1/50



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: 75.948+/-0.015 χ^2/NDF: 1514677.0/27

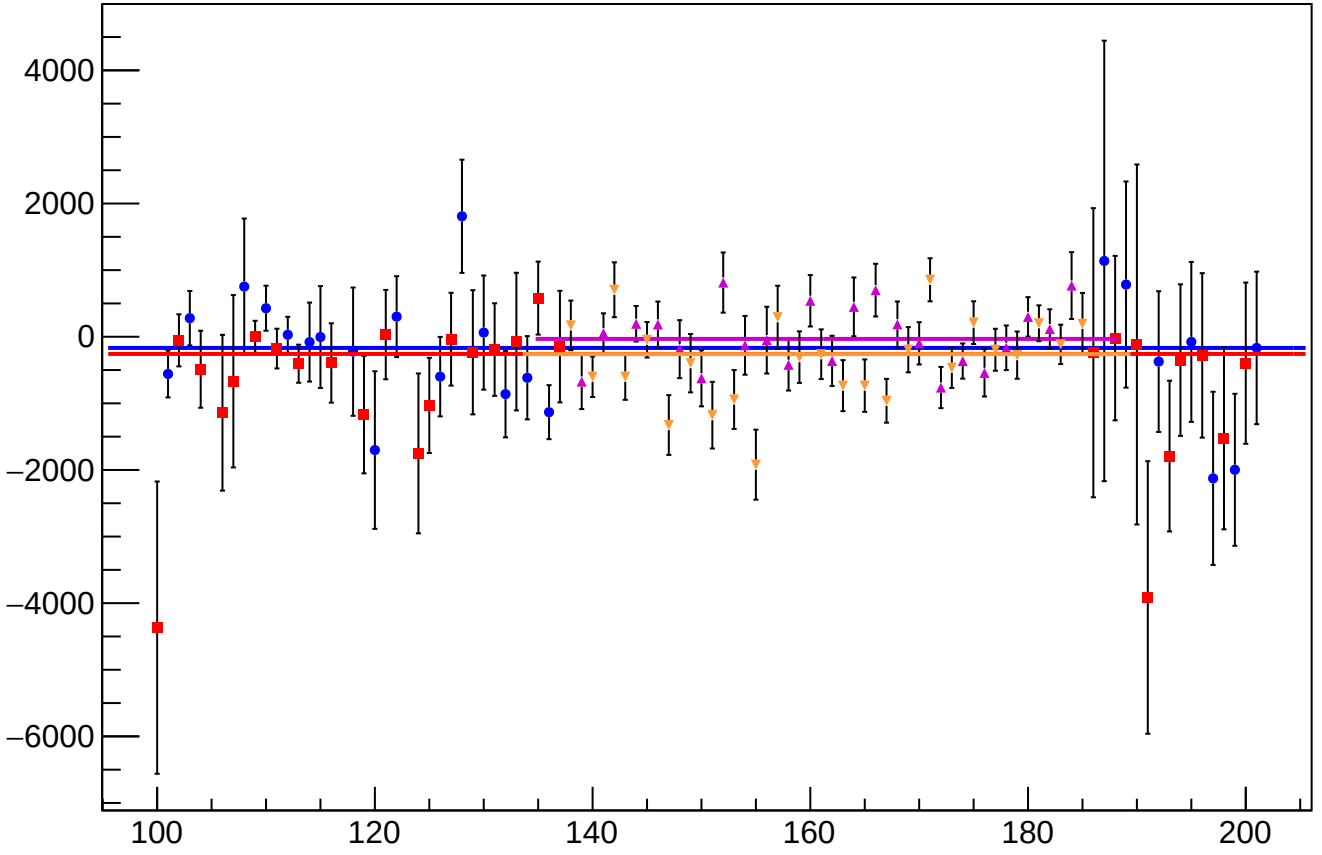
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 67.781+/-0.009 χ^2/NDF: 1822579.9/47

All: 68.101+/-0.006 χ^2/NDF: 3863373.6/98

- sign 68.426+/-0.009 χ^2/NDF: 2038043.0/50

asym_sam7_eigen_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: -257.922+/-114.329 χ^2/NDF: 18.6/27

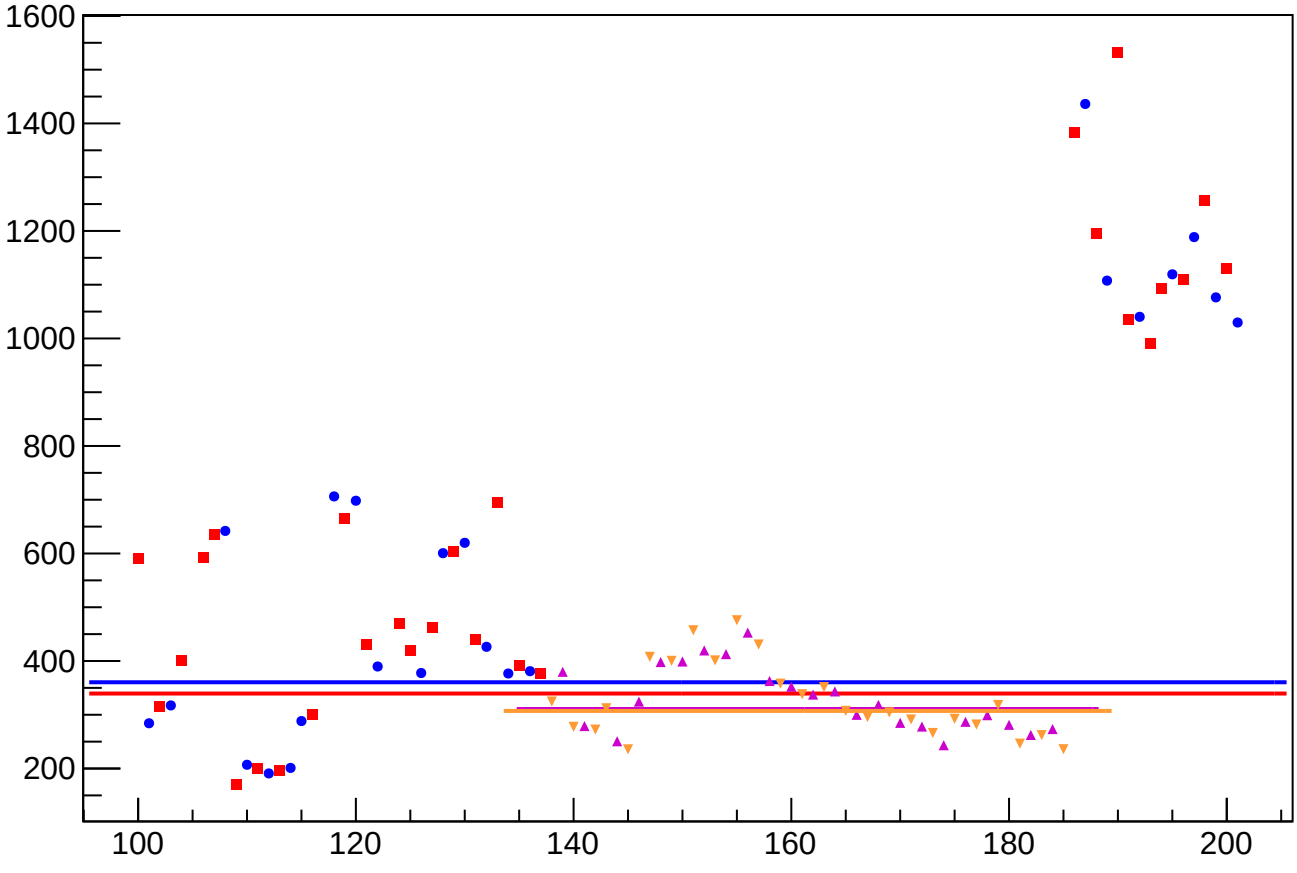
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -237.387+/-61.524 χ^2/NDF: 87.2/47

All: -168.653+/-43.681 χ^2/NDF: 142.8/98

- sign -98.792+/-62.026 χ^2/NDF: 53.0/50

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: 339.476+/-0.081 χ^2/NDF: 9196769.6/27

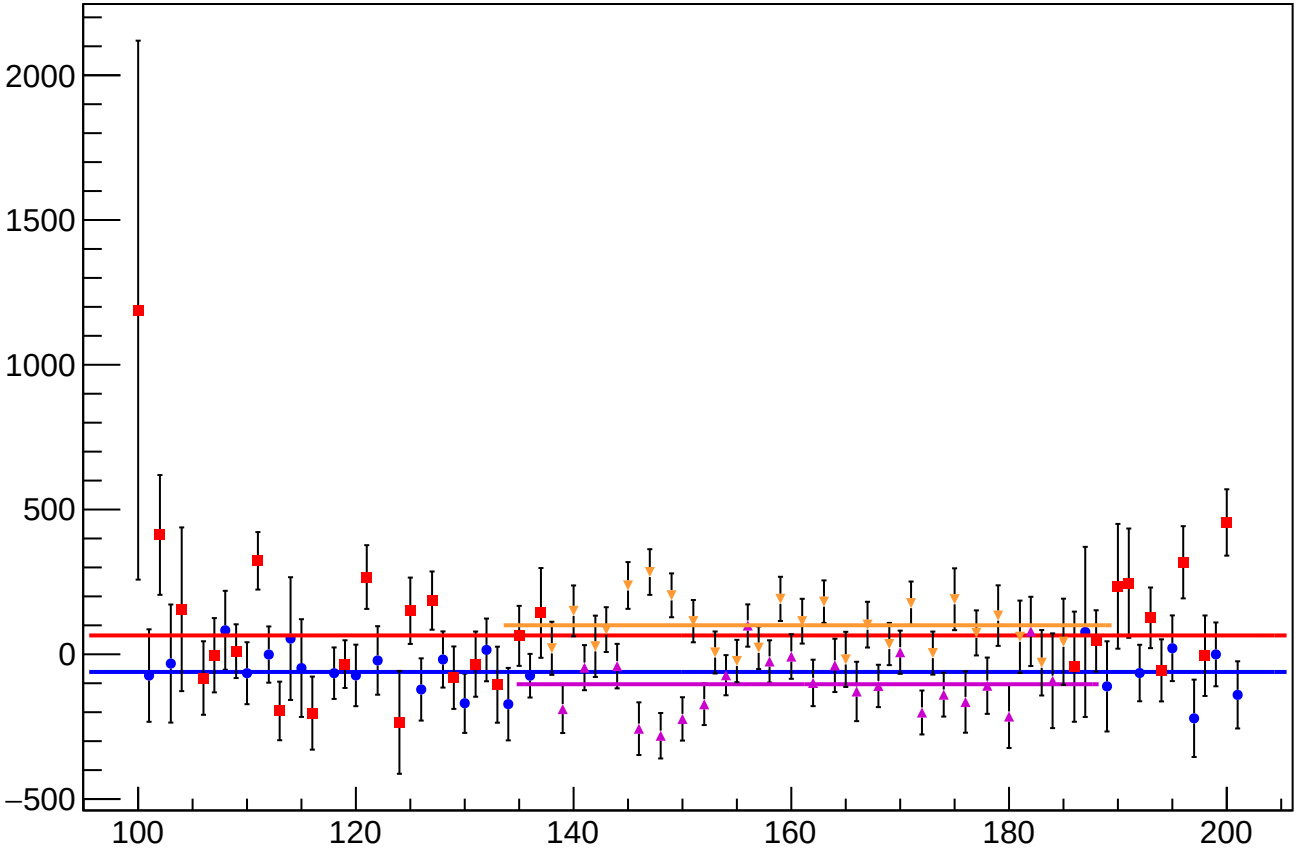
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

\+ sign 320.727+/-0.044 χ^2/NDF: 8619634.9/47

All: 319.954+/-0.031 χ^2/NDF: 18985946.2/98

\- sign 319.168+/-0.044 χ^2/NDF: 10365674.3/50

dit_asym_sam7_mean vs Slug



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: 65.145+/-23.131 χ^2/NDF: 57.9/27

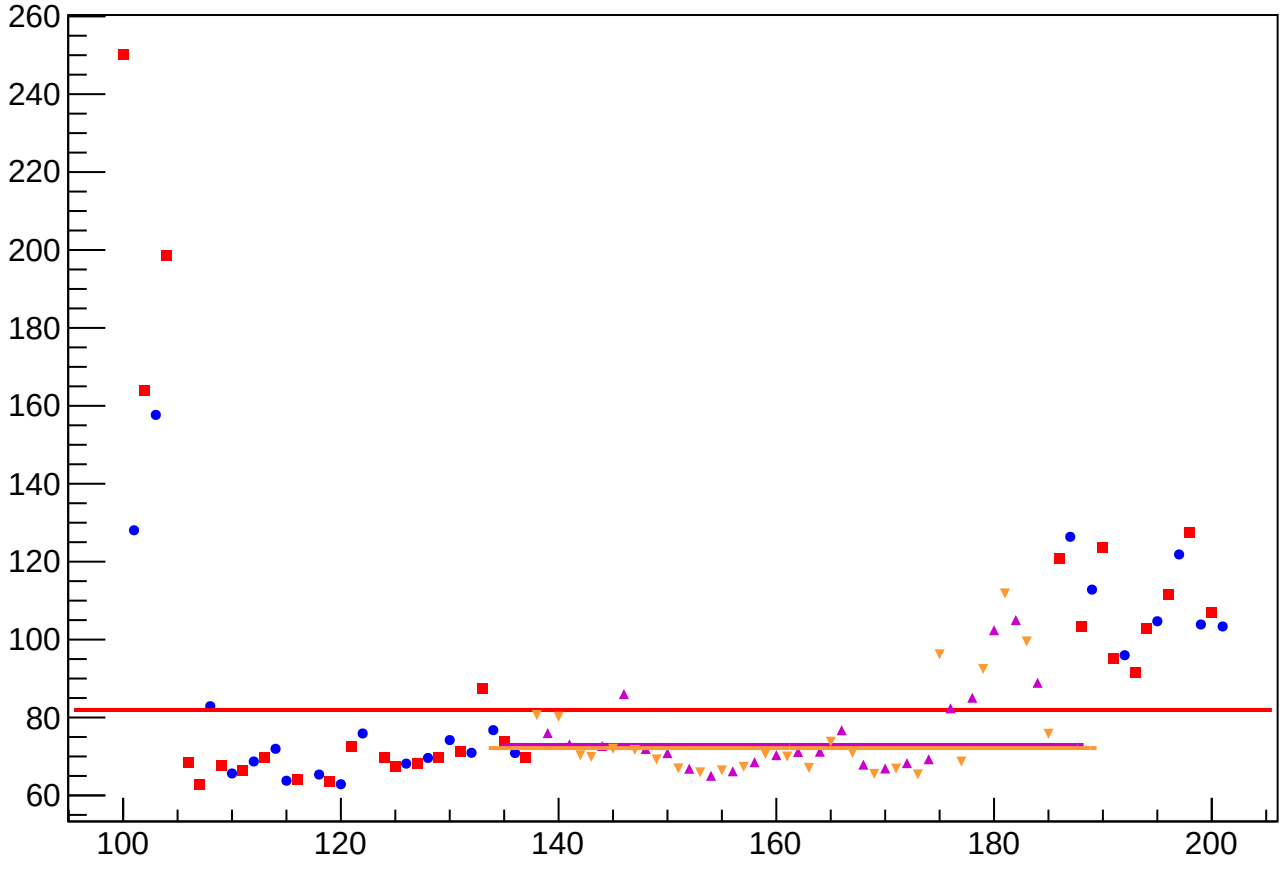
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 48.405+/-13.692 χ^2/NDF: 65.9/47

All: 3.125+/-9.731 χ^2/NDF: 212.7/98

- sign -43.093+/-13.833 χ^2/NDF: 124.7/50

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: 81.935+/-0.016 χ^2/NDF: 1985718.2/27

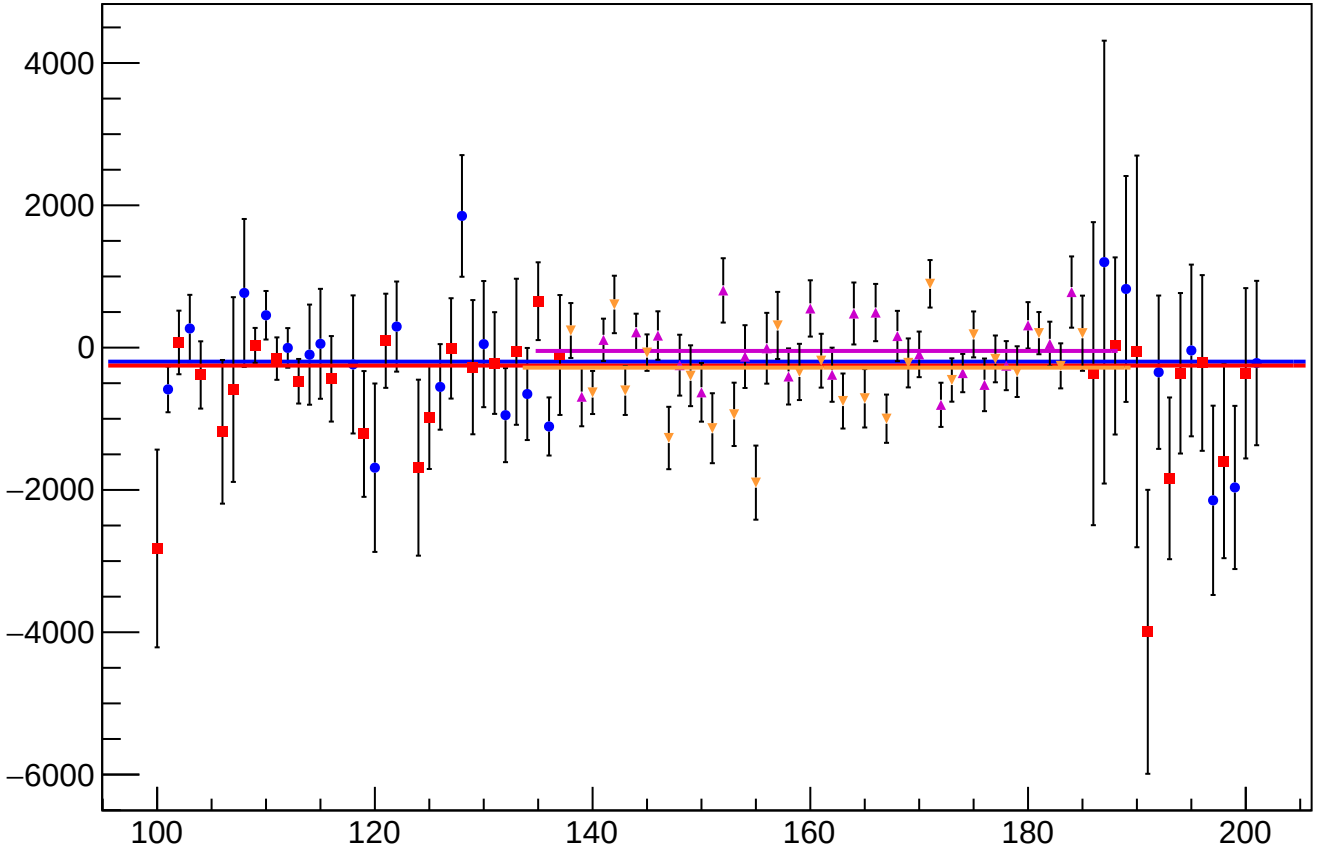
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 75.298+/-0.010 χ^2/NDF: 2273878.3/47

All: 75.726+/-0.007 χ^2/NDF: 4966513.8/98

- sign 76.163+/-0.010 χ^2/NDF: 2688684.6/50

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: -252.436+/-116.243 χ^2/NDF: 20.2/27

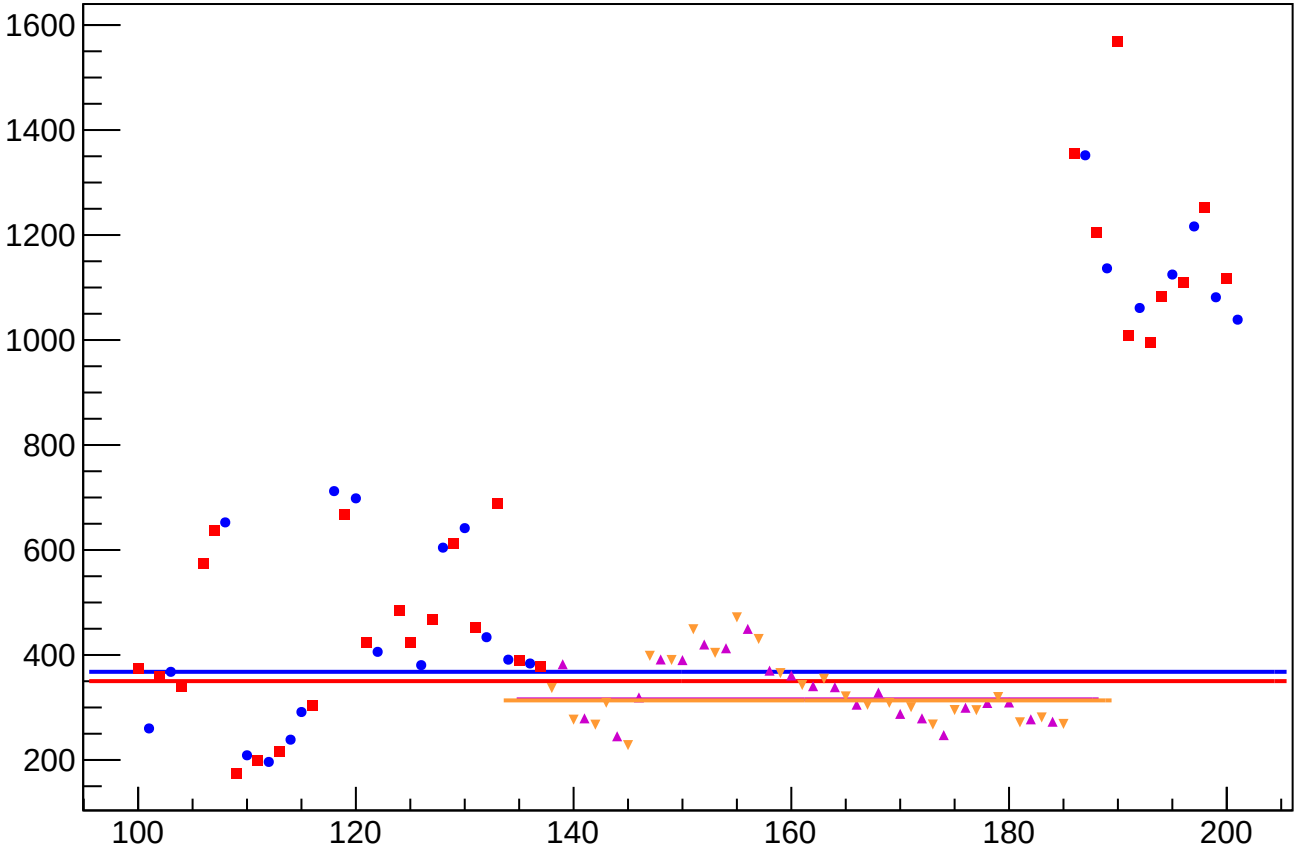
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -259.893+/-62.648 χ^2/NDF: 85.0/47

All: -183.807+/-44.409 χ^2/NDF: 141.2/98

- sign -106.962+/-62.960 χ^2/NDF: 53.2/50

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: 350.210+/-0.082 χ^2/NDF: 8879397.6/27

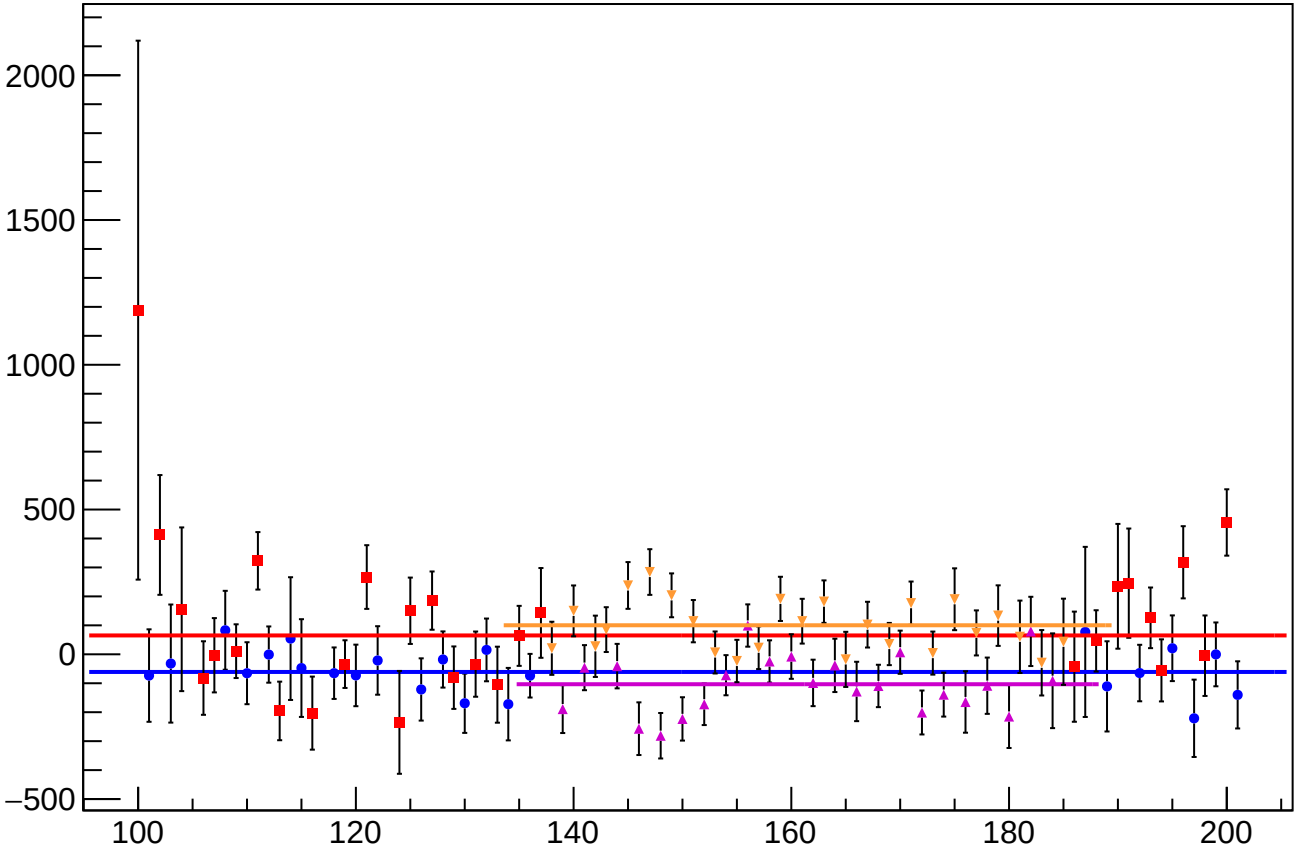
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 327.334+/-0.044 χ^2/NDF: 8449382.2/47

All: 326.497+/-0.031 χ^2/NDF: 18464353.0/98

- sign 325.651+/-0.045 χ^2/NDF: 10014252.5/50

eigen_dit_asym_sam7_mean vs Slug



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: 65.145+/-23.131 χ^2/NDF: 57.9/27

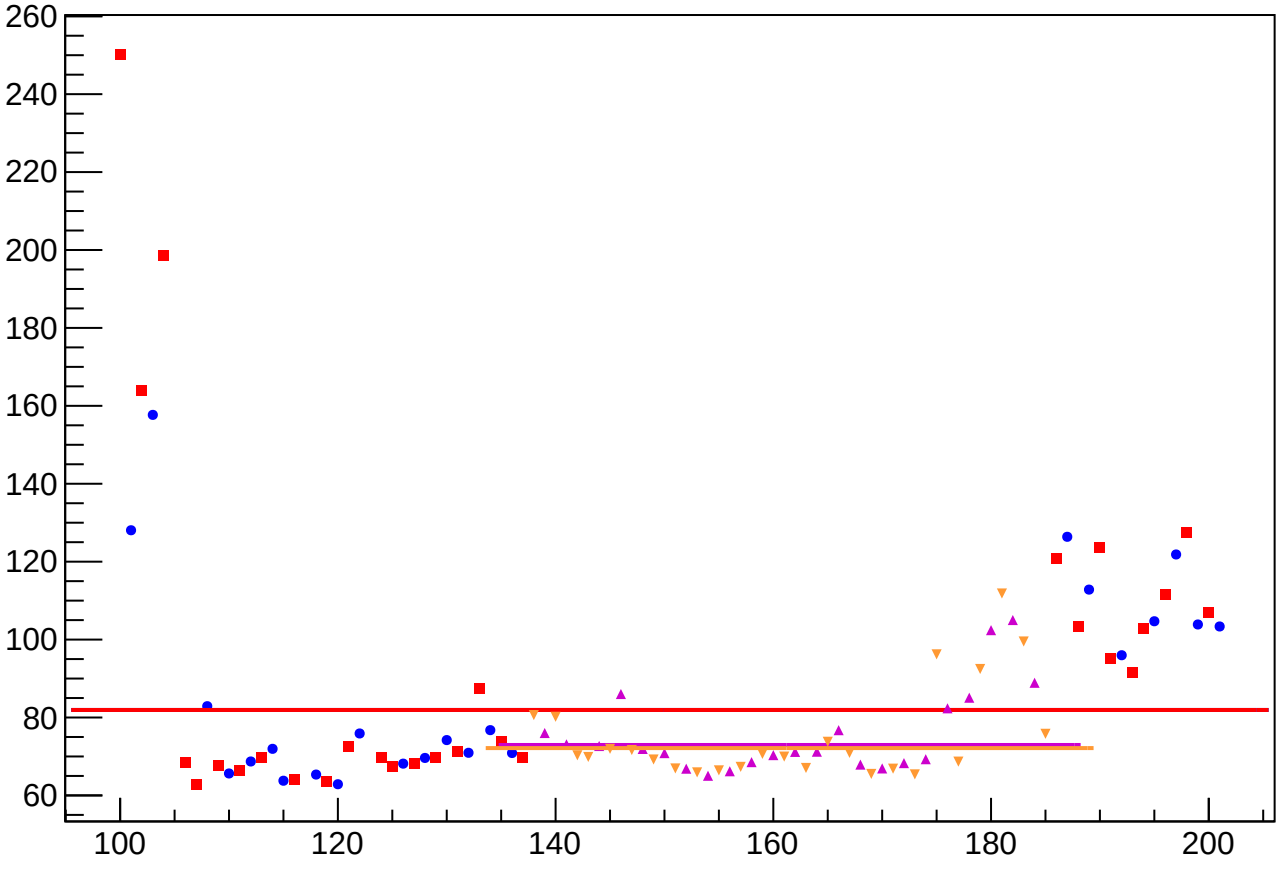
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 48.405+/-13.692 χ^2/NDF: 65.9/47

All: 3.126+/-9.731 χ^2/NDF: 212.7/98

- sign -43.092+/-13.833 χ^2/NDF: 124.7/50

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

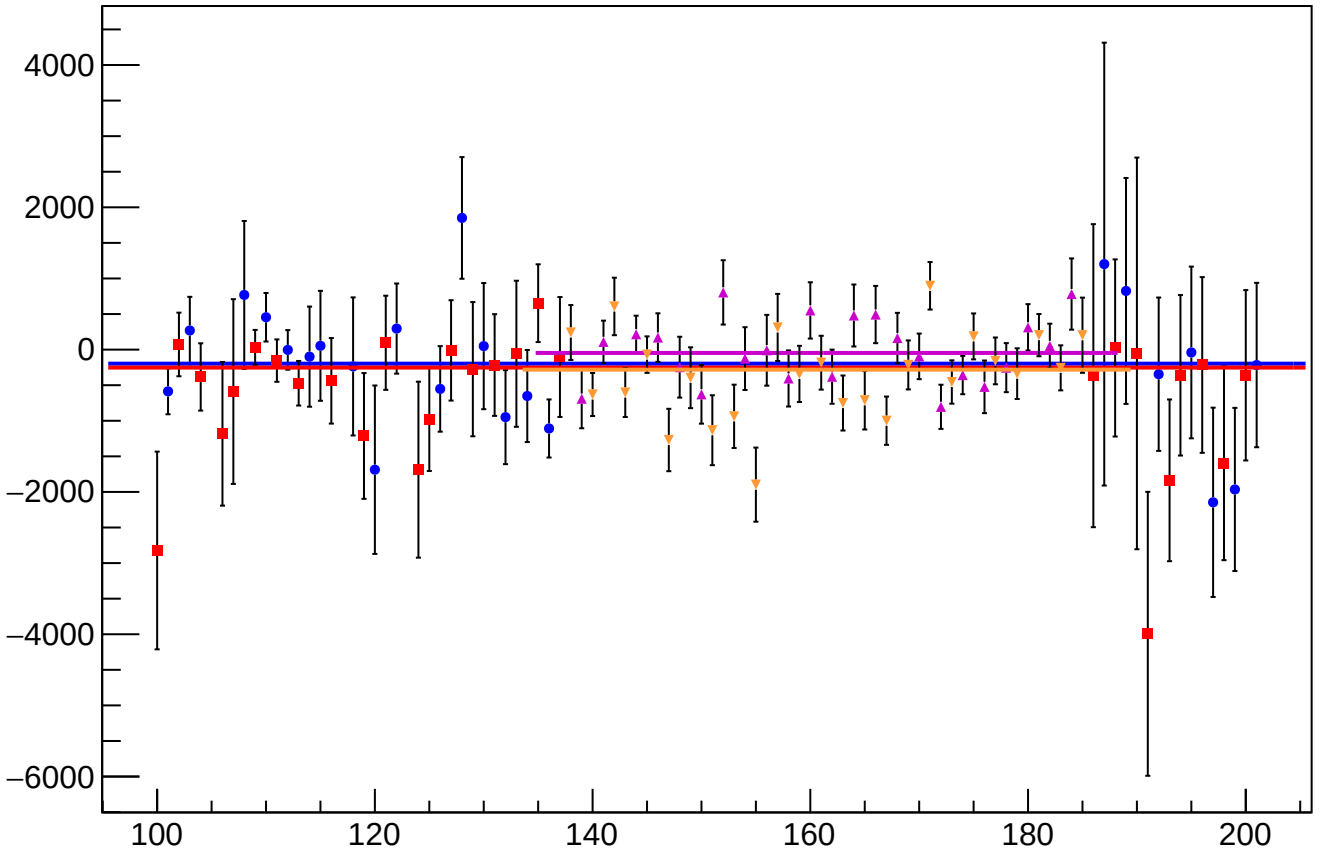
Right Out: 81.935+/-0.016 χ^2/NDF: 1985719.1/27

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 75.298+/-0.010 χ^2/NDF: 2273877.5/47

All: 75.726+/-0.007 χ^2/NDF: 4966508.7/98

- sign 76.163+/-0.010 χ^2/NDF: 2688680.3/50



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: -252.435+/-116.242 χ^2/NDF: 20.2/27

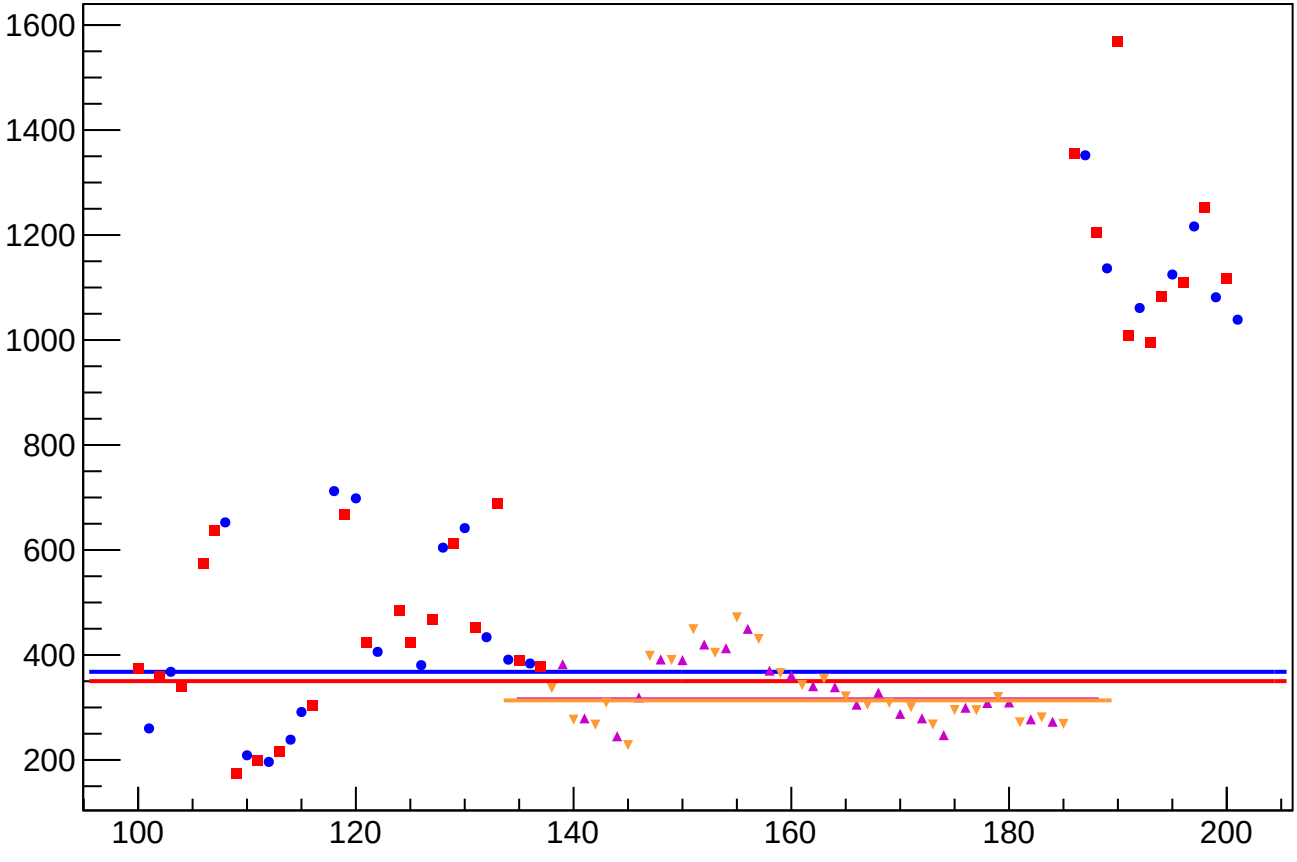
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -259.892+/-62.648 χ^2/NDF: 85.0/47

All: -183.807+/-44.409 χ^2/NDF: 141.2/98

- sign -106.961+/-62.960 χ^2/NDF: 53.2/50

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: 350.208+/-0.082 χ^2/NDF: 8879430.2/27

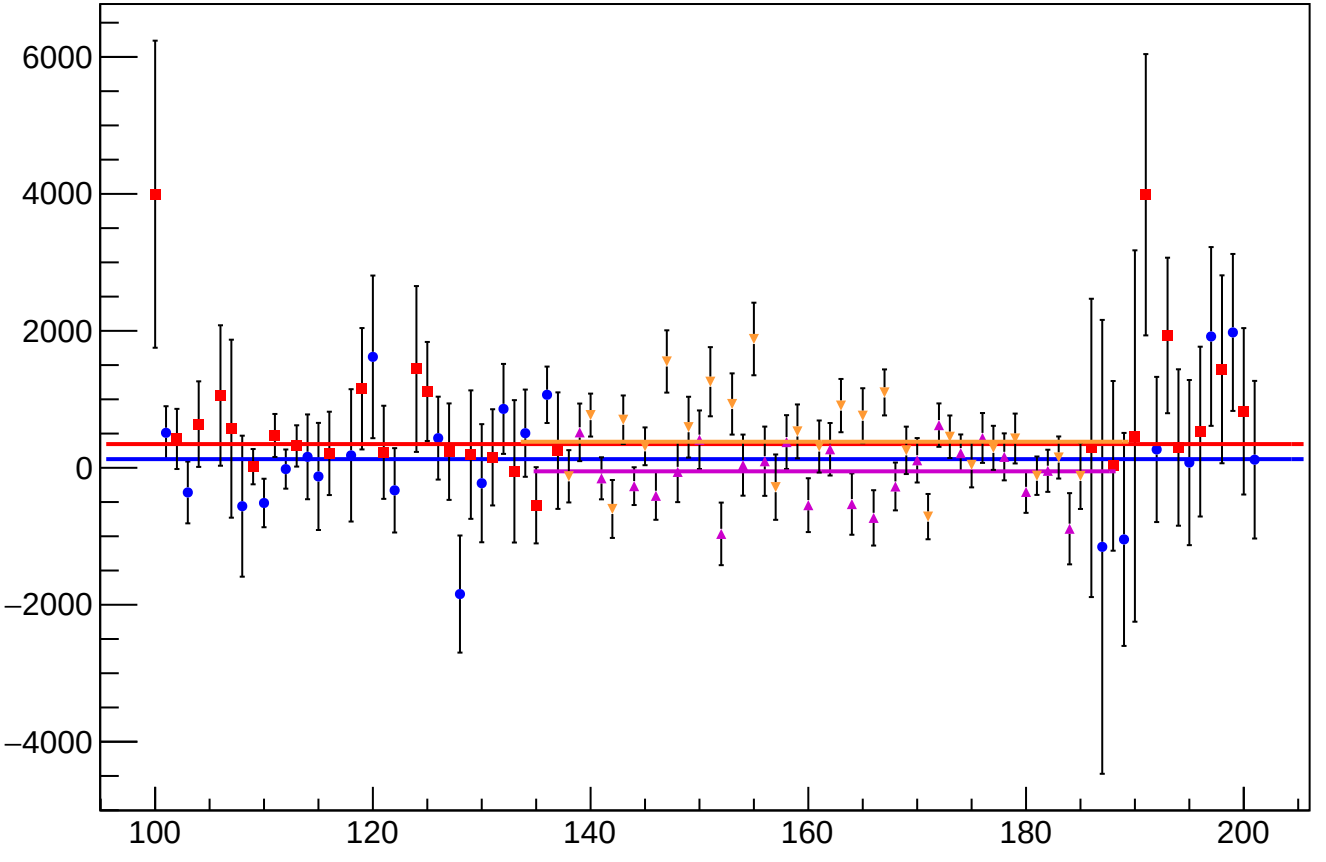
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 327.333+/-0.044 χ^2/NDF: 8449421.3/47

All: 326.496+/-0.031 χ^2/NDF: 18464408.8/98

- sign 325.650+/-0.045 χ^2/NDF: 10014269.5/50

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: 346.414+/-119.728 χ^2/NDF: 16.9/27

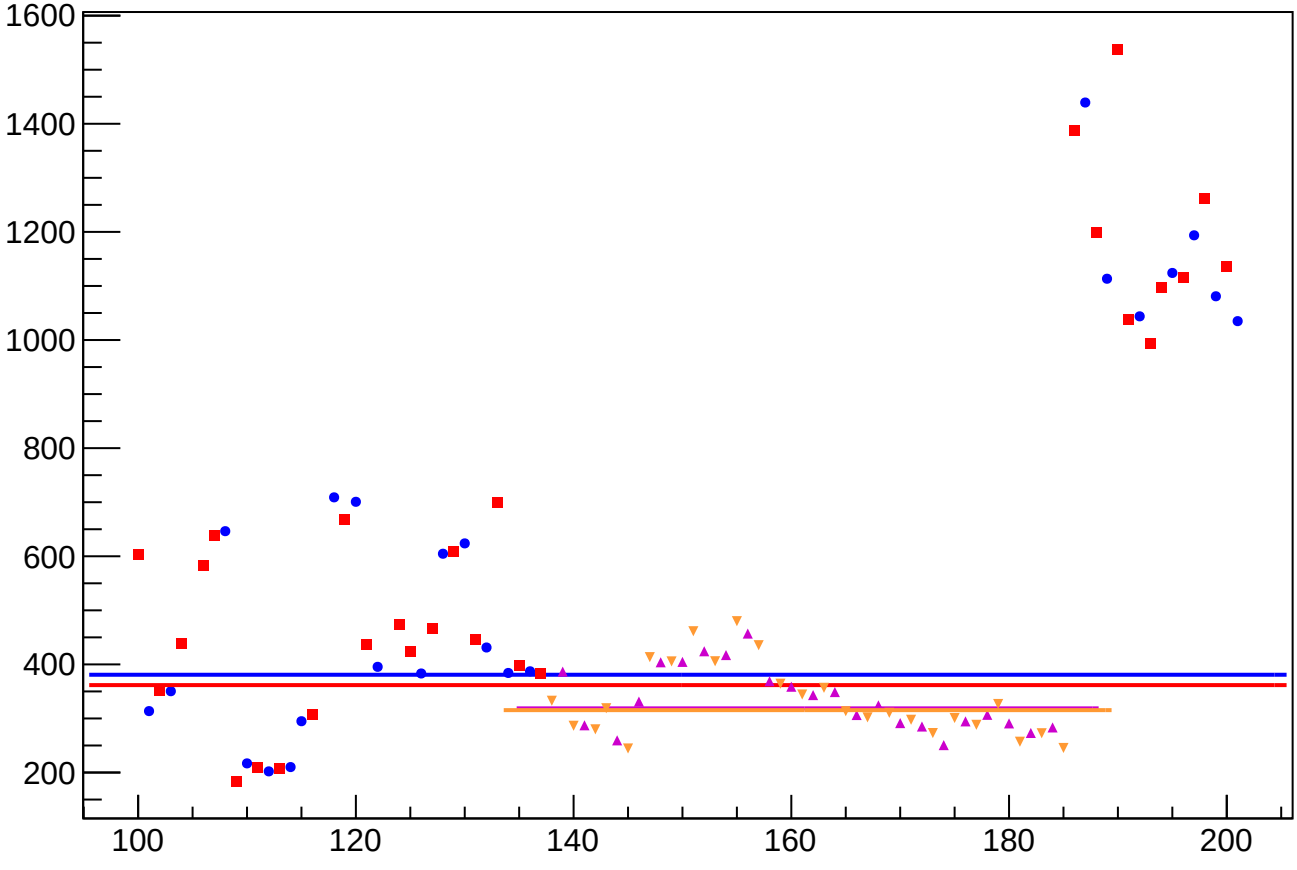
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

\+ sign 317.747+/-63.372 χ^2/NDF: 84.5/47

All: 191.020+/-45.011 χ^2/NDF: 145.6/98

\- sign 62.008+/-63.941 χ^2/NDF: 53.0/50

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: 361.705+/-0.085 χ^2/NDF: 8742574.7/27

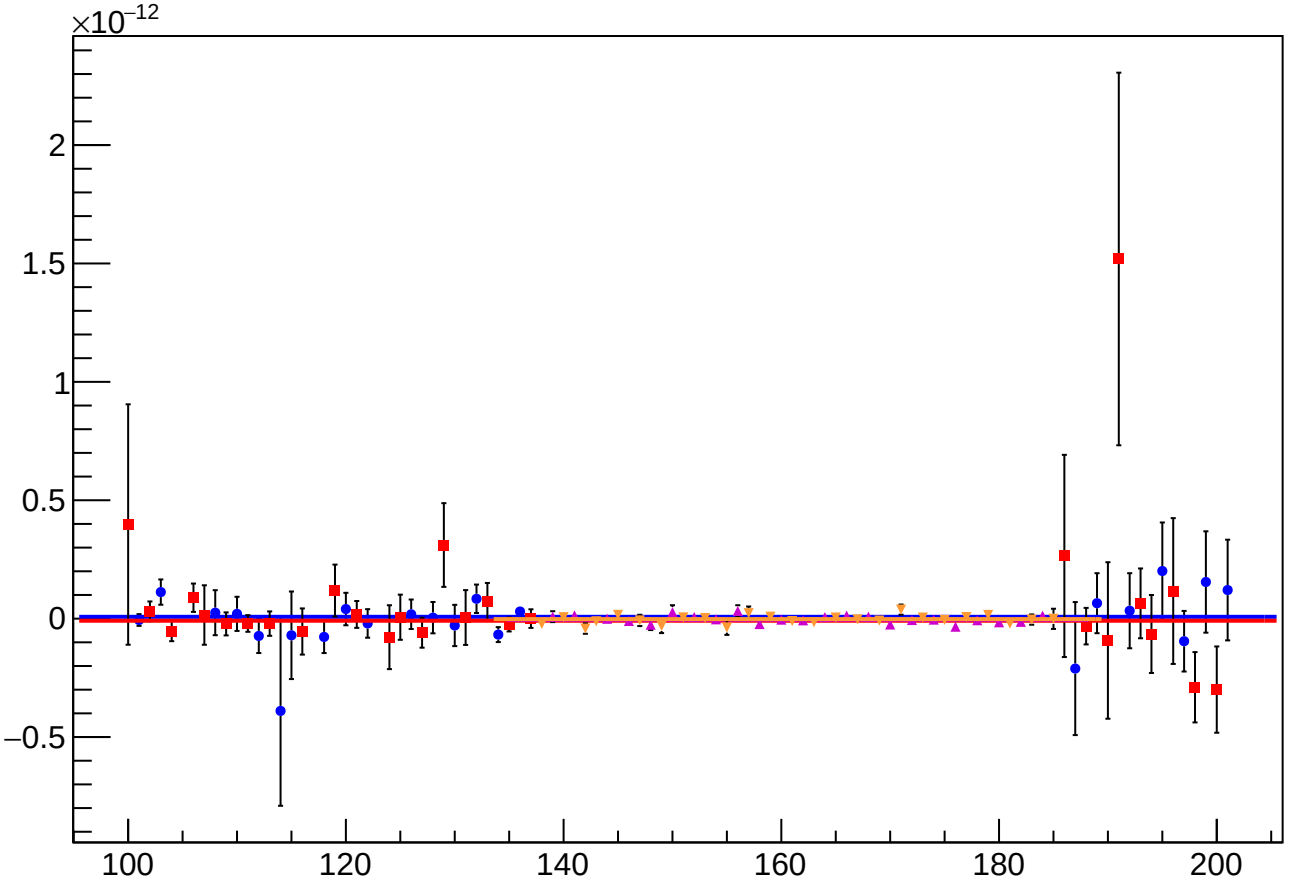
Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 331.599+/-0.045 χ^2/NDF: 8237904.4/47

All: 331.281+/-0.032 χ^2/NDF: 18156724.7/98

- sign 330.957+/-0.045 χ^2/NDF: 9918718.5/50

asym_sam7_reg_vs_cor_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:19.0/24

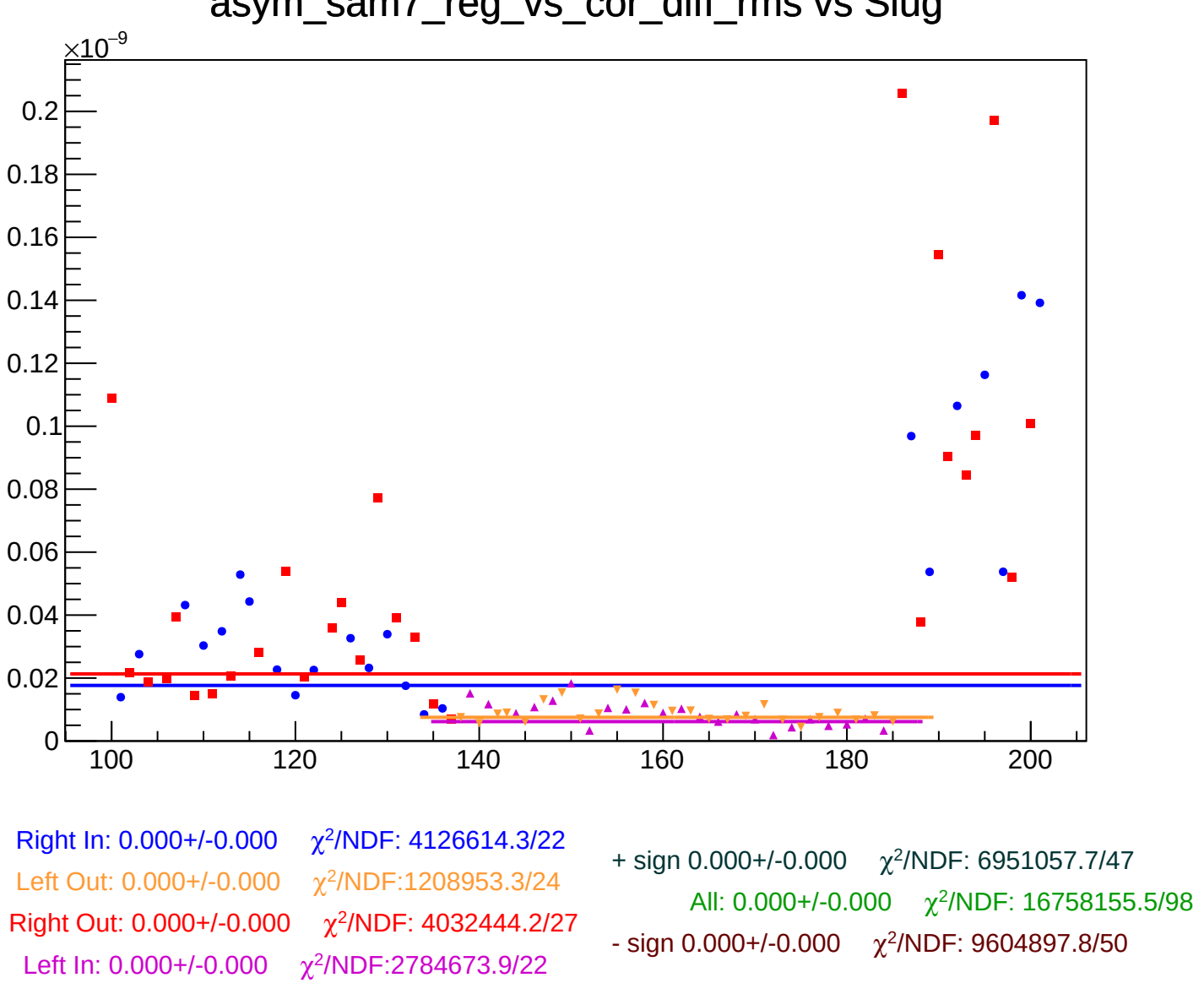
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/27

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

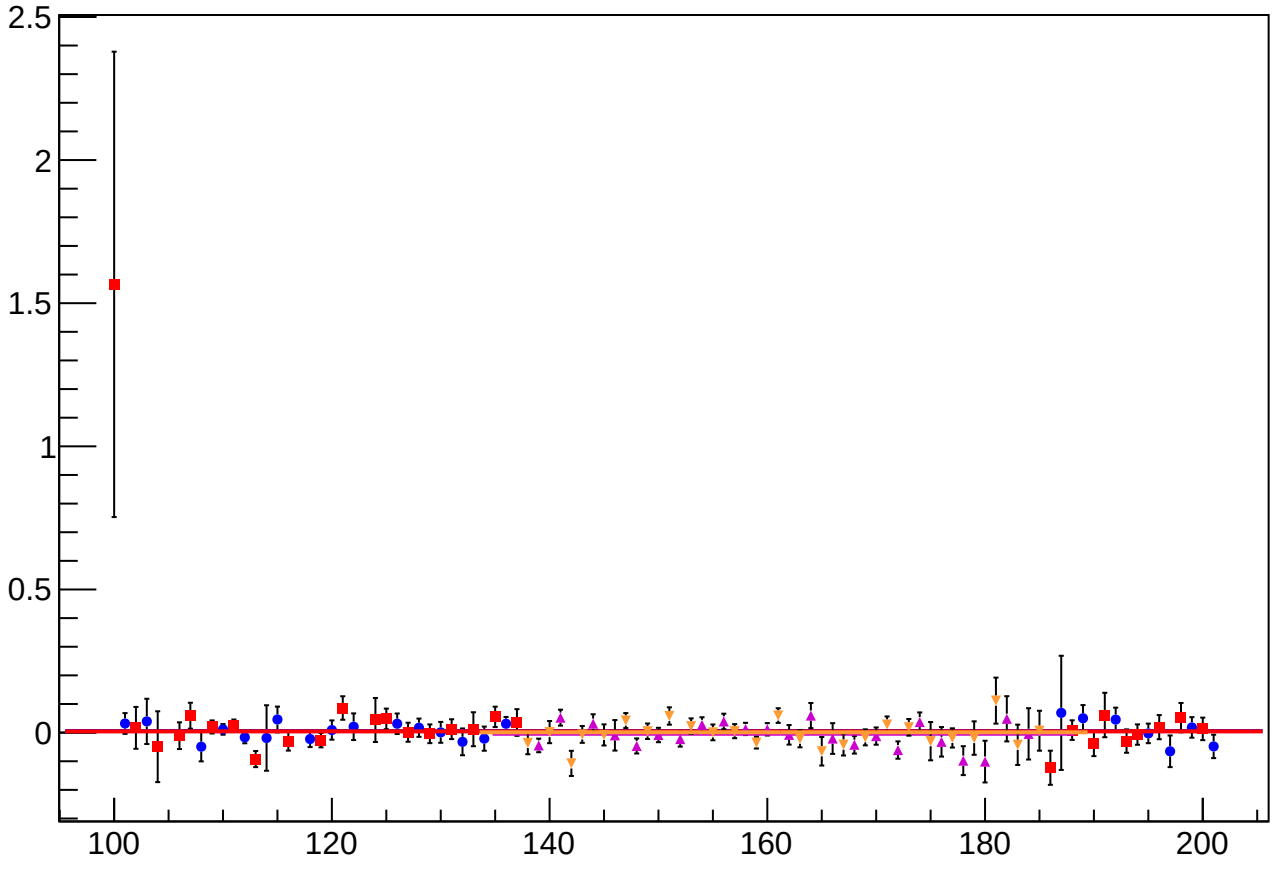
+ sign -0.000+/-0.000 χ^2/NDF: 40.6/47

All: -0.000+/-0.000 χ^2/NDF: 83.0/98

- sign -0.000+/-0.000 χ^2/NDF: 41.6/50


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: 4032444.2/27
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: 16758155.5/98
- sign 0.000+/-0.000 χ²/NDF: 9604897.8/50

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: 37.9/27

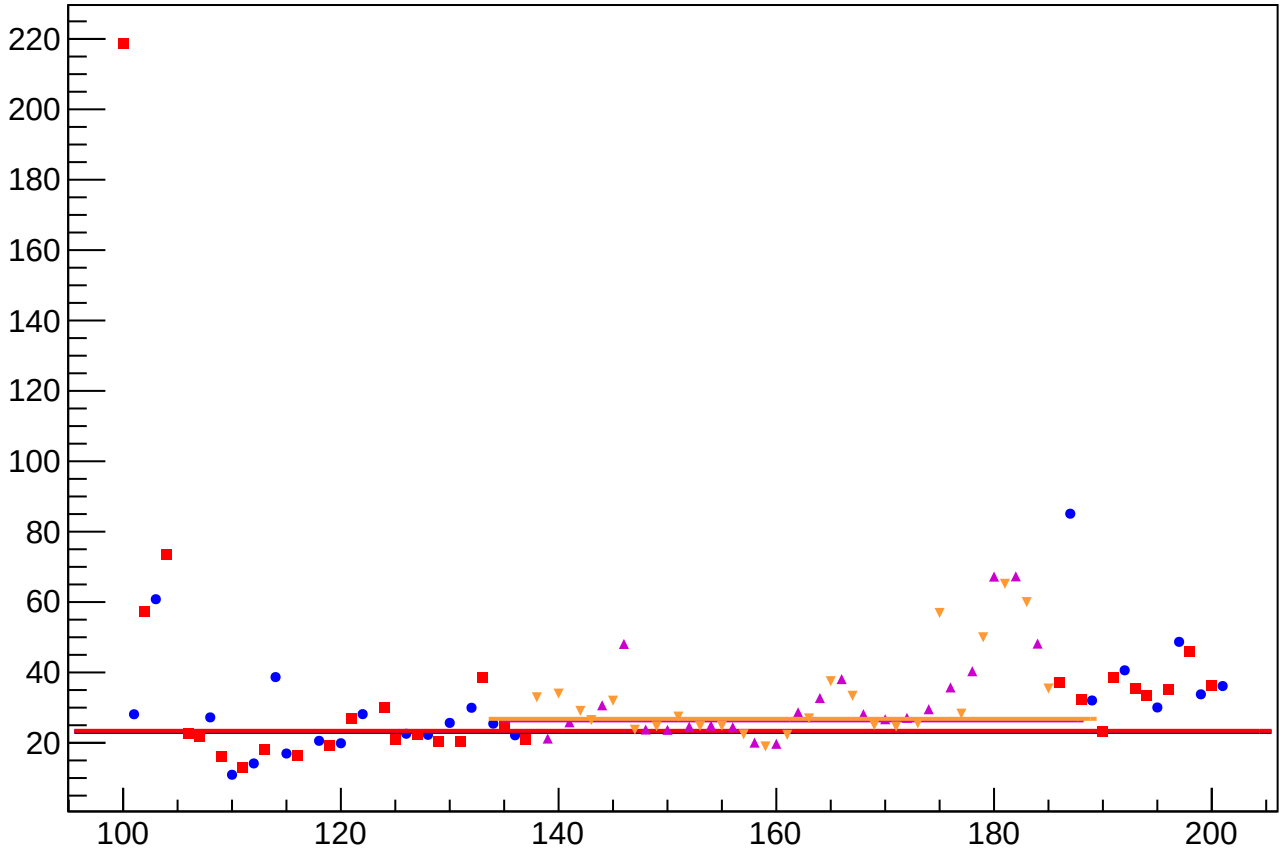
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 43.8/47

All: 0.001+/-0.003 χ^2/NDF: 113.8/98

- sign -0.000+/-0.005 χ^2/NDF: 69.8/50

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: 23.413+/-0.005 χ^2/NDF: 3489399.6/27

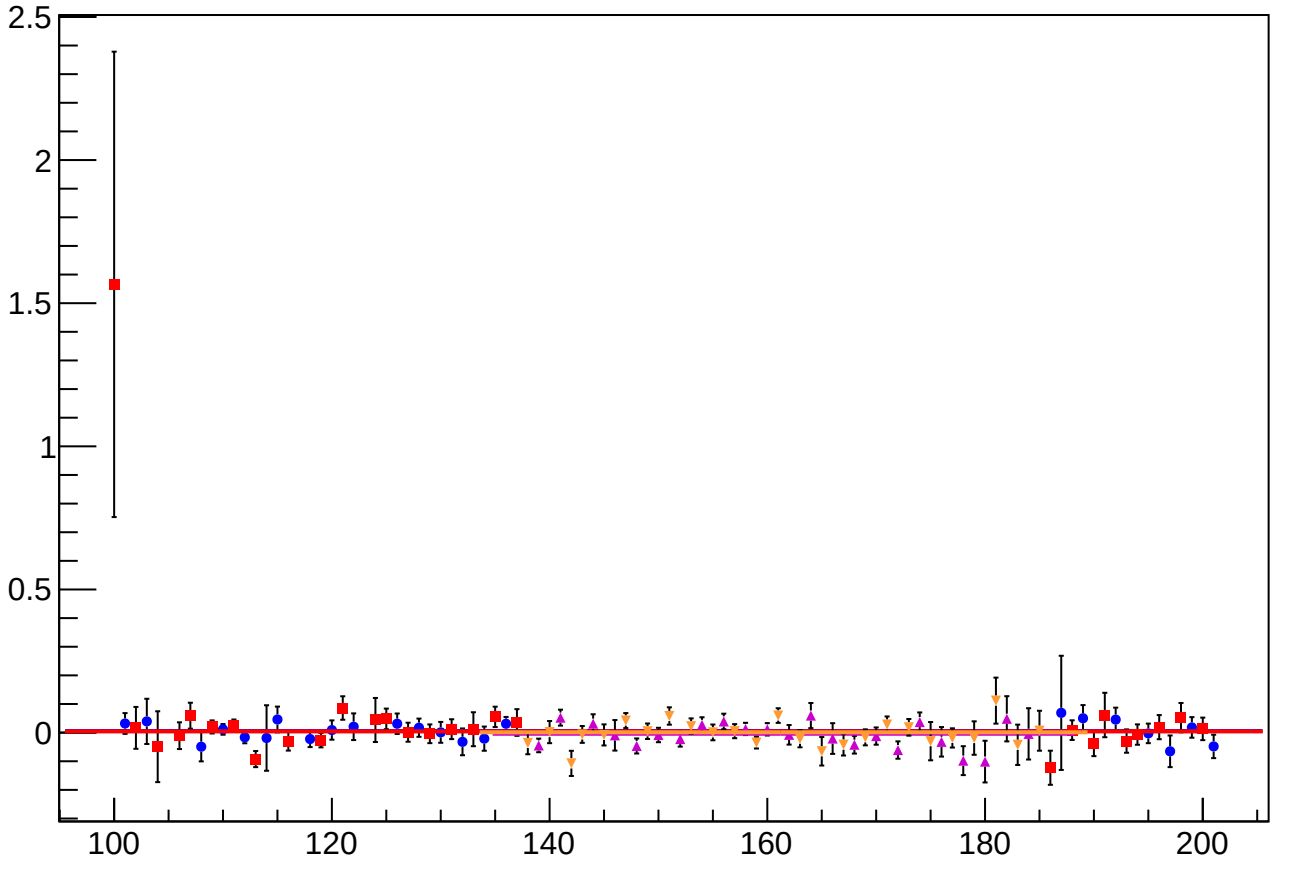
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.178+/-0.003 χ^2/NDF: 6201591.4/47

All: 25.085+/-0.002 χ^2/NDF: 12446912.6/98

- sign 24.993+/-0.003 χ^2/NDF: 6243855.6/50

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: 37.9/27

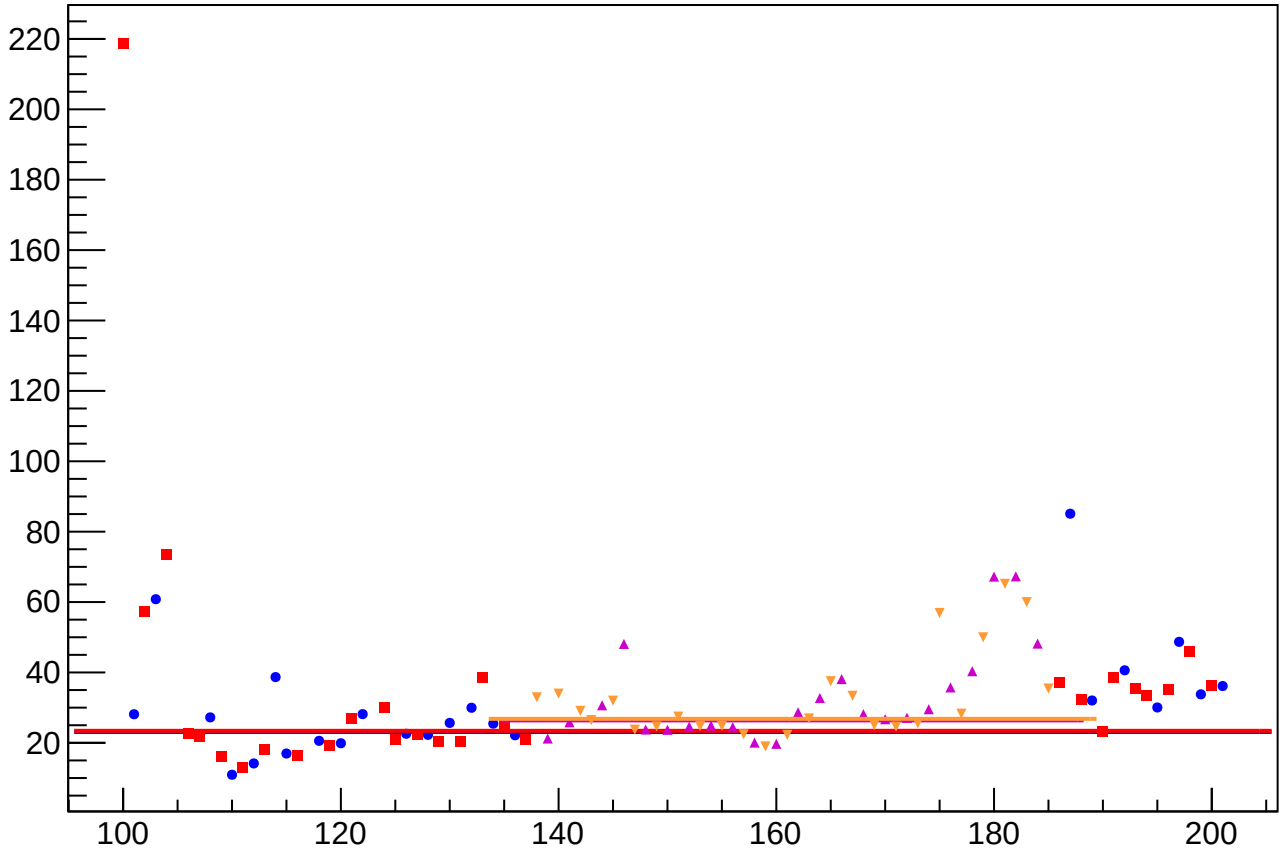
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 43.8/47

All: 0.001+/-0.003 χ^2/NDF: 113.8/98

- sign -0.000+/-0.005 χ^2/NDF: 69.8/50

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

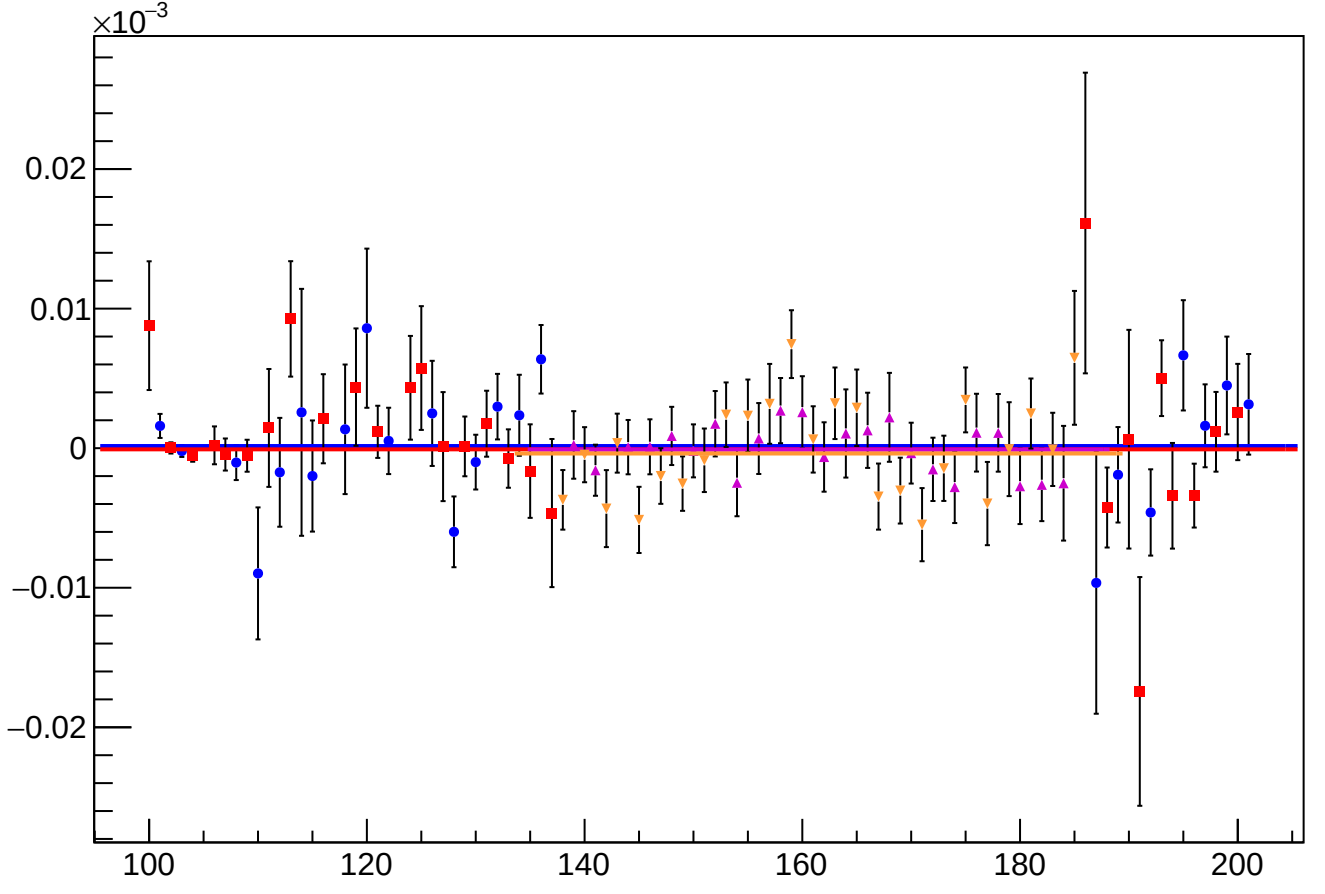
Right Out: 23.413+/-0.005 χ^2/NDF: 3489399.6/27

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.178+/-0.003 χ^2/NDF: 6201591.4/47

All: 25.085+/-0.002 χ^2/NDF: 12446912.6/98

- sign 24.993+/-0.003 χ^2/NDF: 6243855.6/50



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: 33.2/27

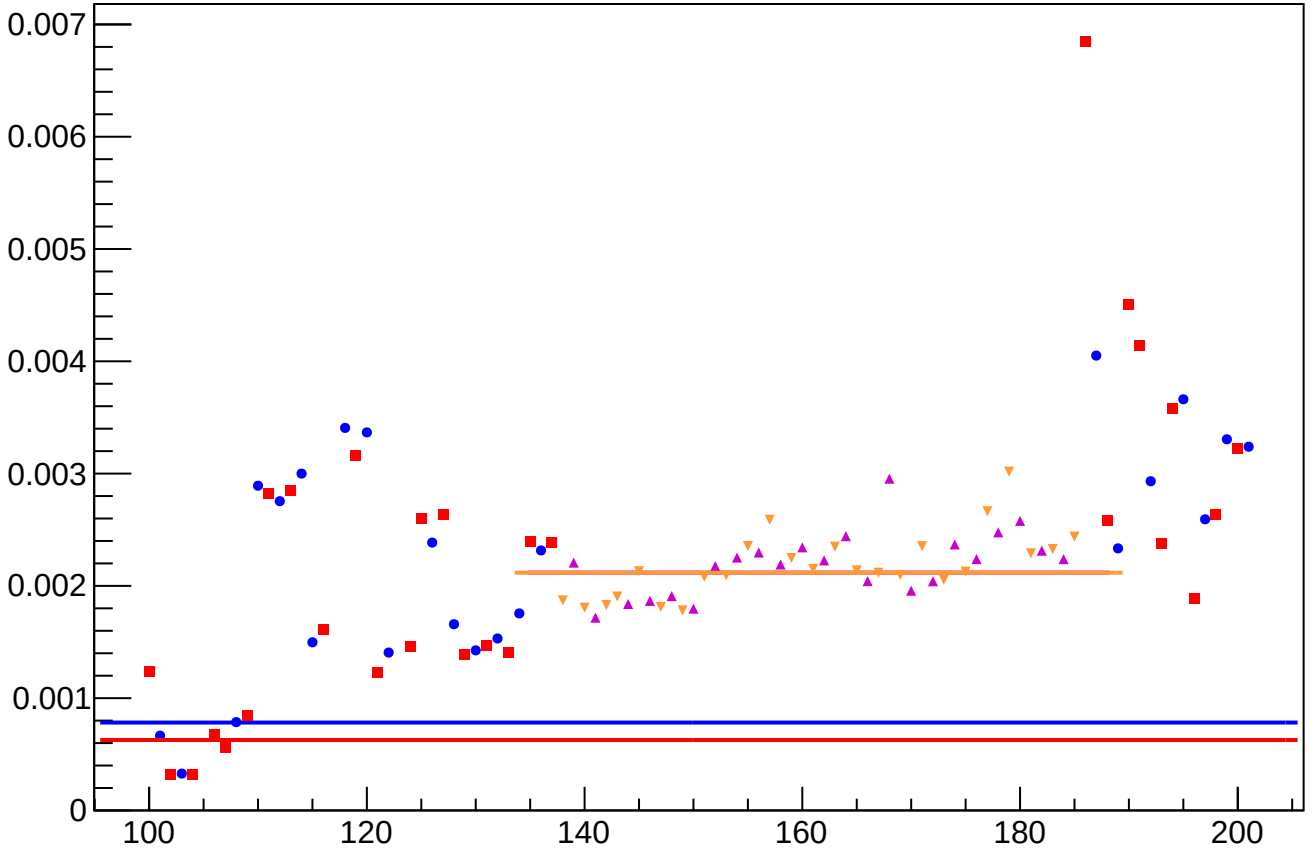
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.0/47

All: -0.000+/-0.000 χ^2/NDF: 122.4/98

- sign -0.000+/-0.000 χ^2/NDF: 43.4/50

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: 14232284.5/27

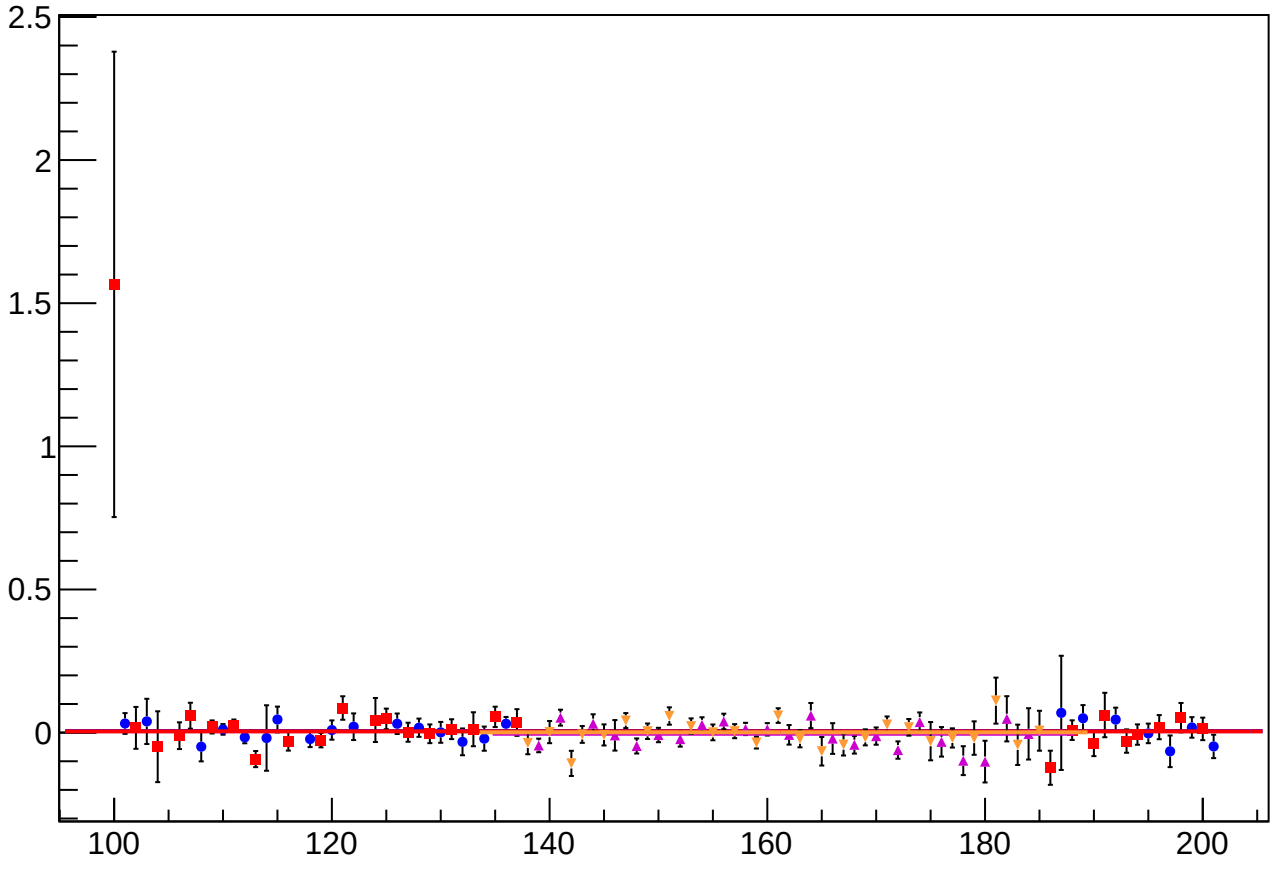
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 23063765.8/47

All: 0.001+/-0.000 χ^2/NDF: 53099523.4/98

- sign 0.001+/-0.000 χ^2/NDF: 28944979.0/50

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: 37.9/27

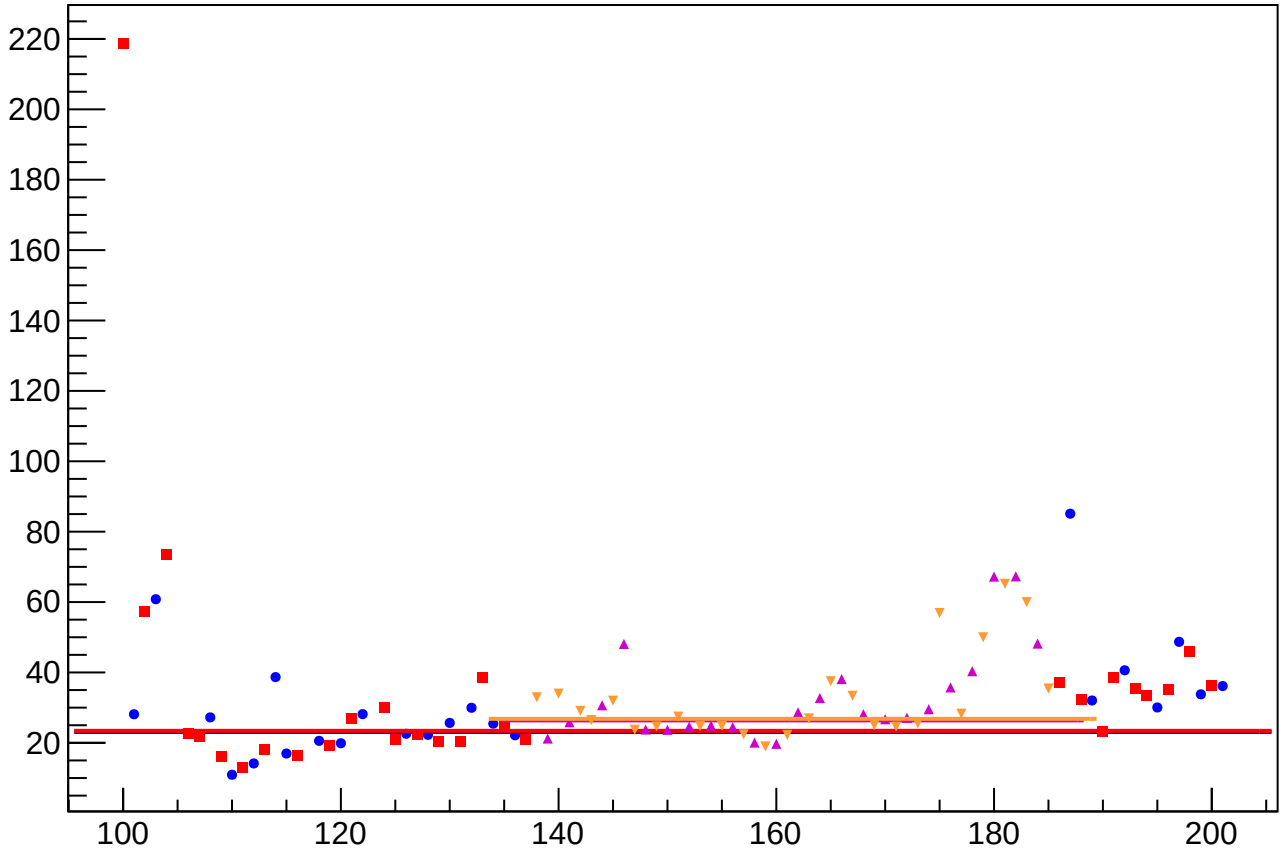
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 43.8/47

All: 0.001+/-0.003 χ^2/NDF: 113.8/98

- sign -0.000+/-0.005 χ^2/NDF: 69.8/50

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

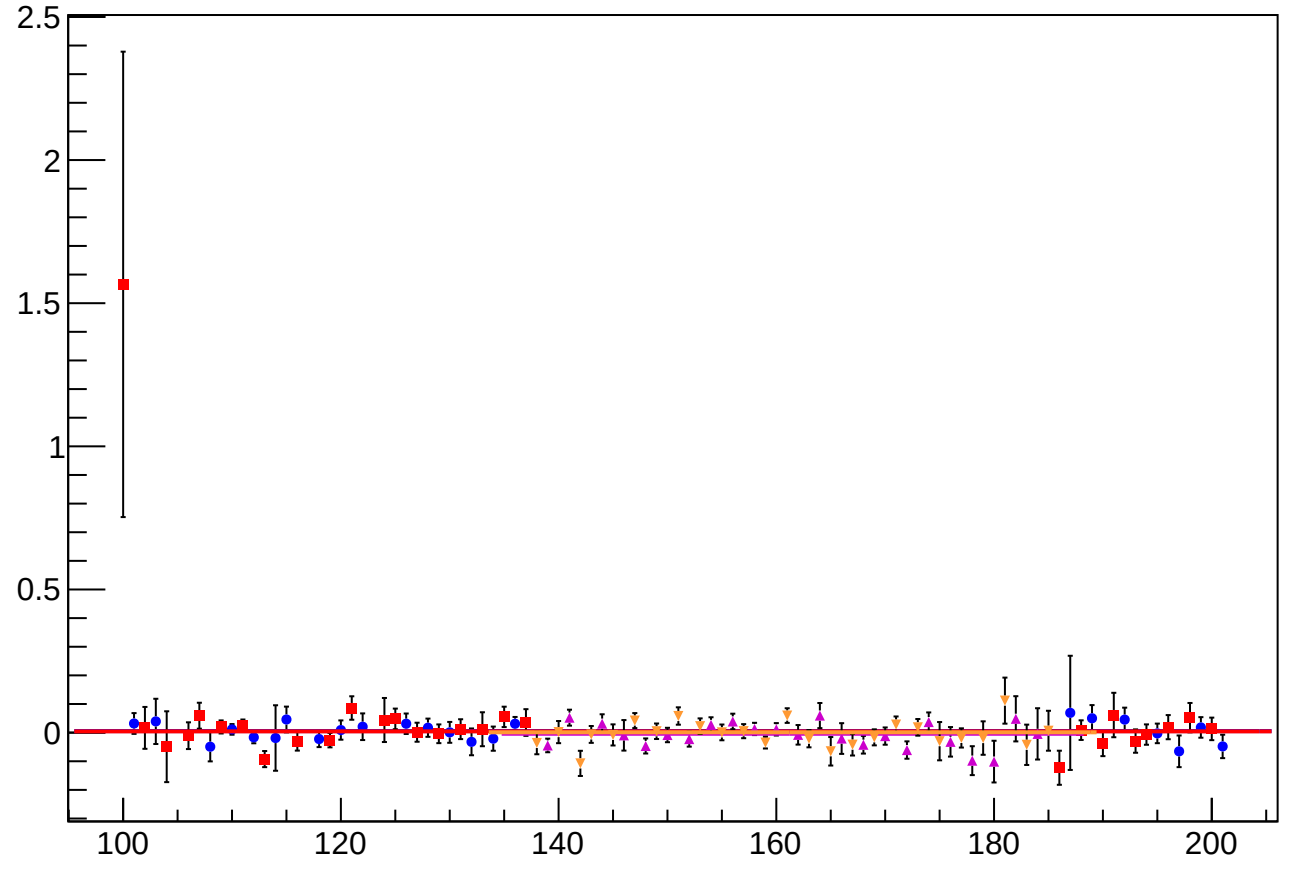
Right Out: 23.413+/-0.005 χ^2/NDF: 3489170.5/27

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

\+ sign 25.179+/-0.003 χ^2/NDF: 6201305.2/47

All: 25.085+/-0.002 χ^2/NDF: 12446469.1/98

\- sign 24.993+/-0.003 χ^2/NDF: 6243694.7/50



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: 37.9/27

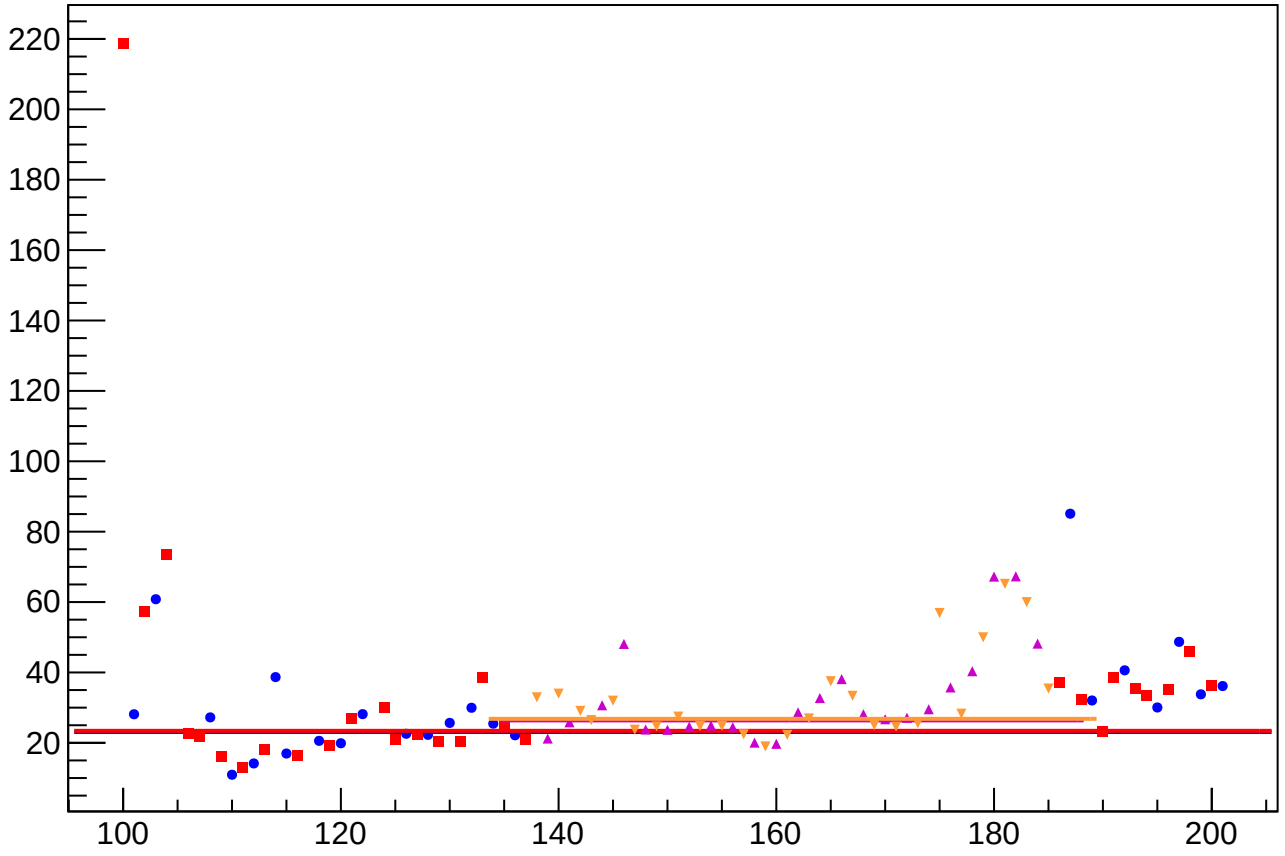
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 43.8/47

All: 0.001+/-0.003 χ^2/NDF: 113.8/98

- sign -0.000+/-0.005 χ^2/NDF: 69.8/50

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

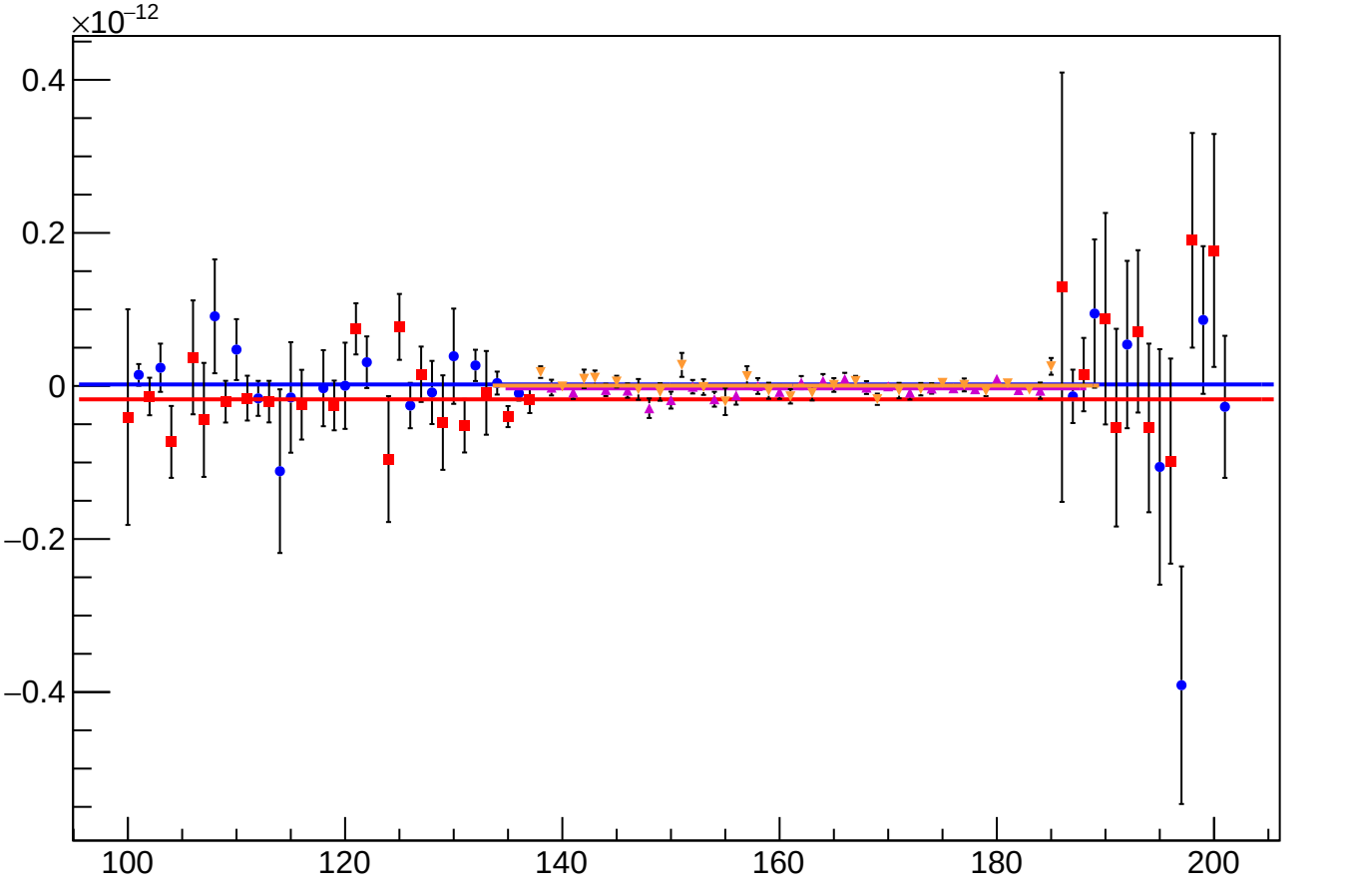
Right Out: 23.413+/-0.005 χ^2/NDF: 3489170.5/27

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.179+/-0.003 χ^2/NDF: 6201305.2/47

All: 25.085+/-0.002 χ^2/NDF: 12446469.1/98

- sign 24.993+/-0.003 χ^2/NDF: 6243694.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

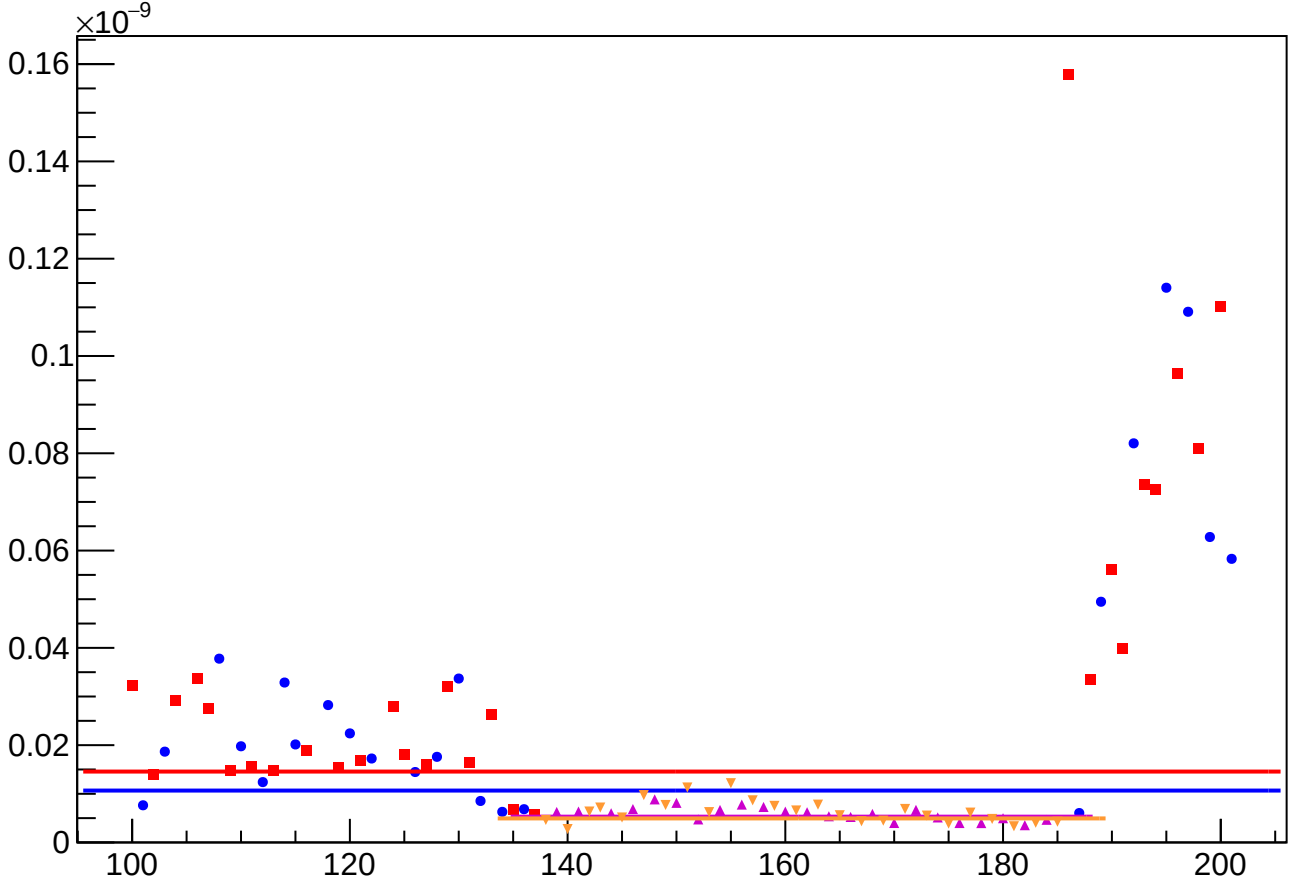
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/27

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: 106.7/98

- sign -0.000+/-0.000 χ^2/NDF: 49.9/50



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: 6176950.2/27

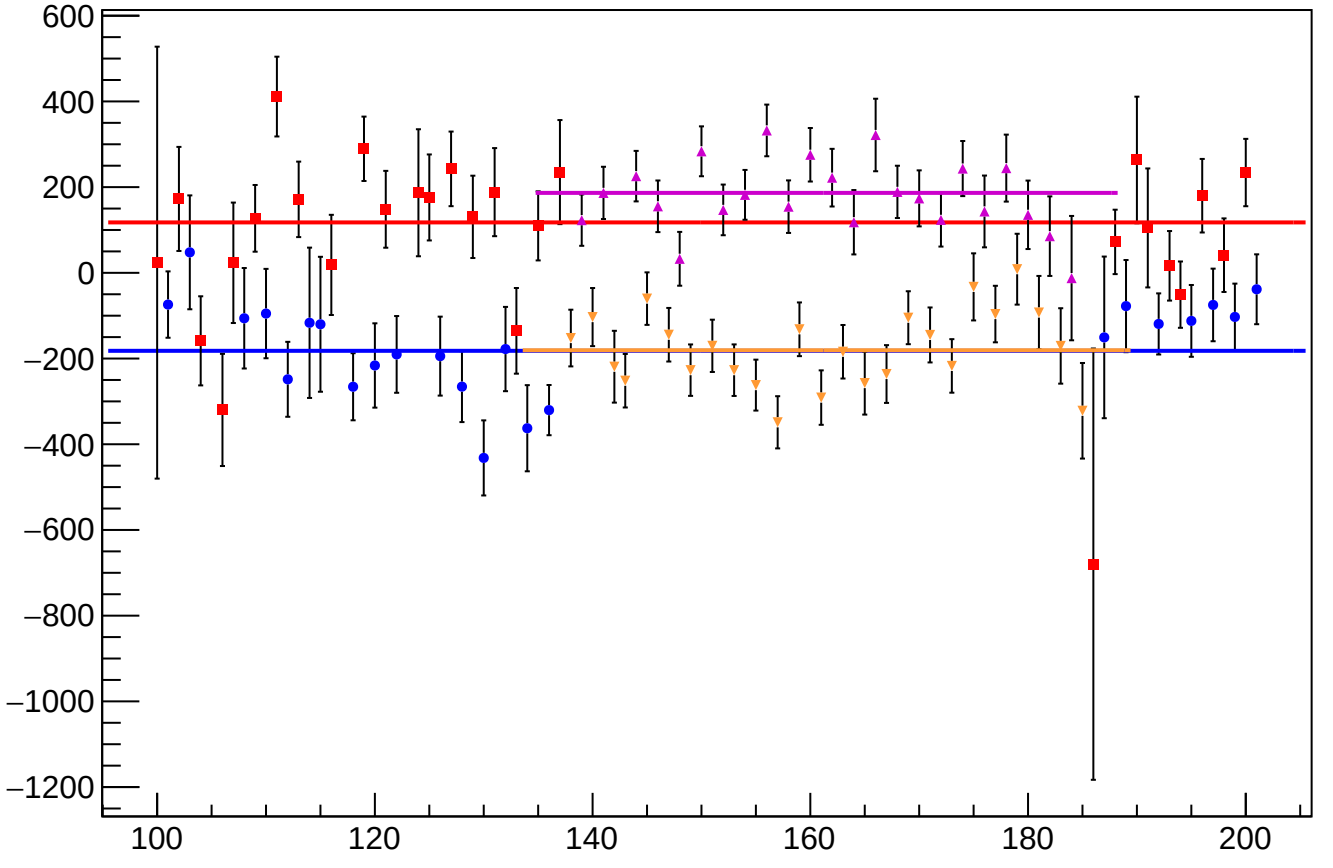
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10736865.0/47

All: 0.000+/-0.000 χ^2/NDF: 21648702.7/98

- sign 0.000+/-0.000 χ^2/NDF: 10826915.2/50

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: 117.658+/-18.601 χ^2/NDF: 59.5/27

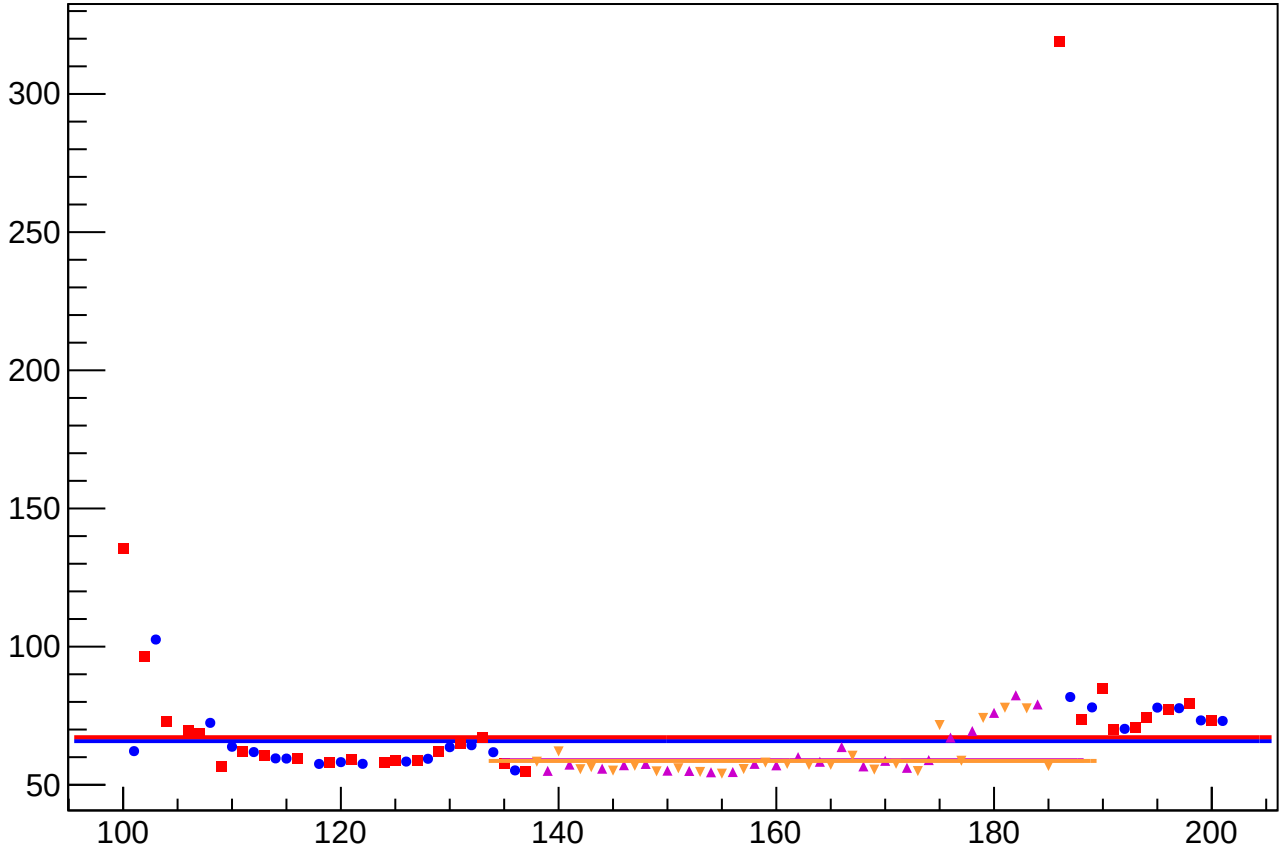
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -181.117+/-10.954 χ^2/NDF: 73.0/47

All: -12.056+/-7.802 χ^2/NDF: 653.6/98

- sign 161.967+/-11.114 χ^2/NDF: 97.3/50

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: 67.223+/-0.013 χ^2/NDF: 1009604.8/27

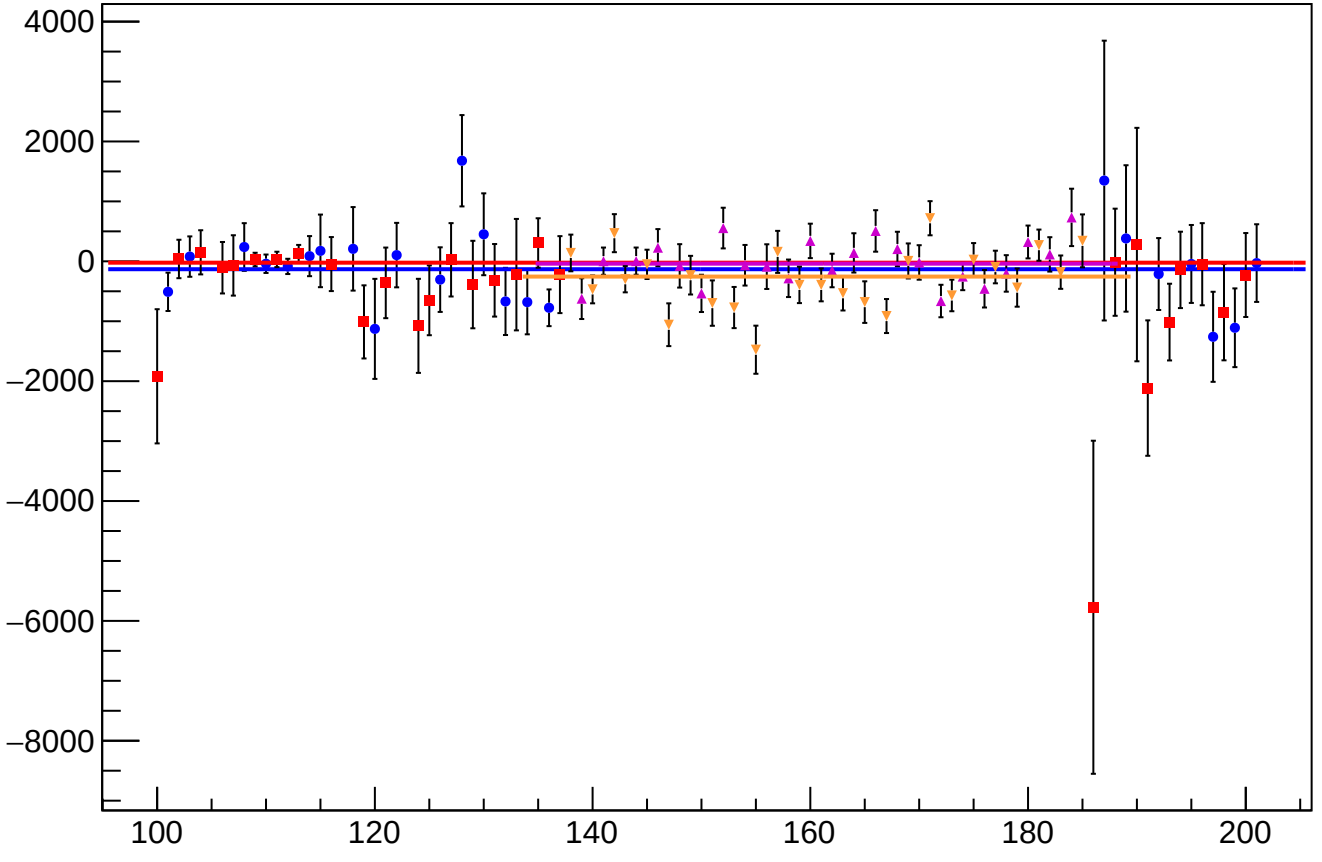
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.036+/-0.008 χ^2/NDF: 1069027.8/47

All: 61.450+/-0.006 χ^2/NDF: 2728322.5/98

- sign 61.875+/-0.008 χ^2/NDF: 1653511.2/50

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: -22.751+/-62.293 χ^2/NDF: 23.1/27

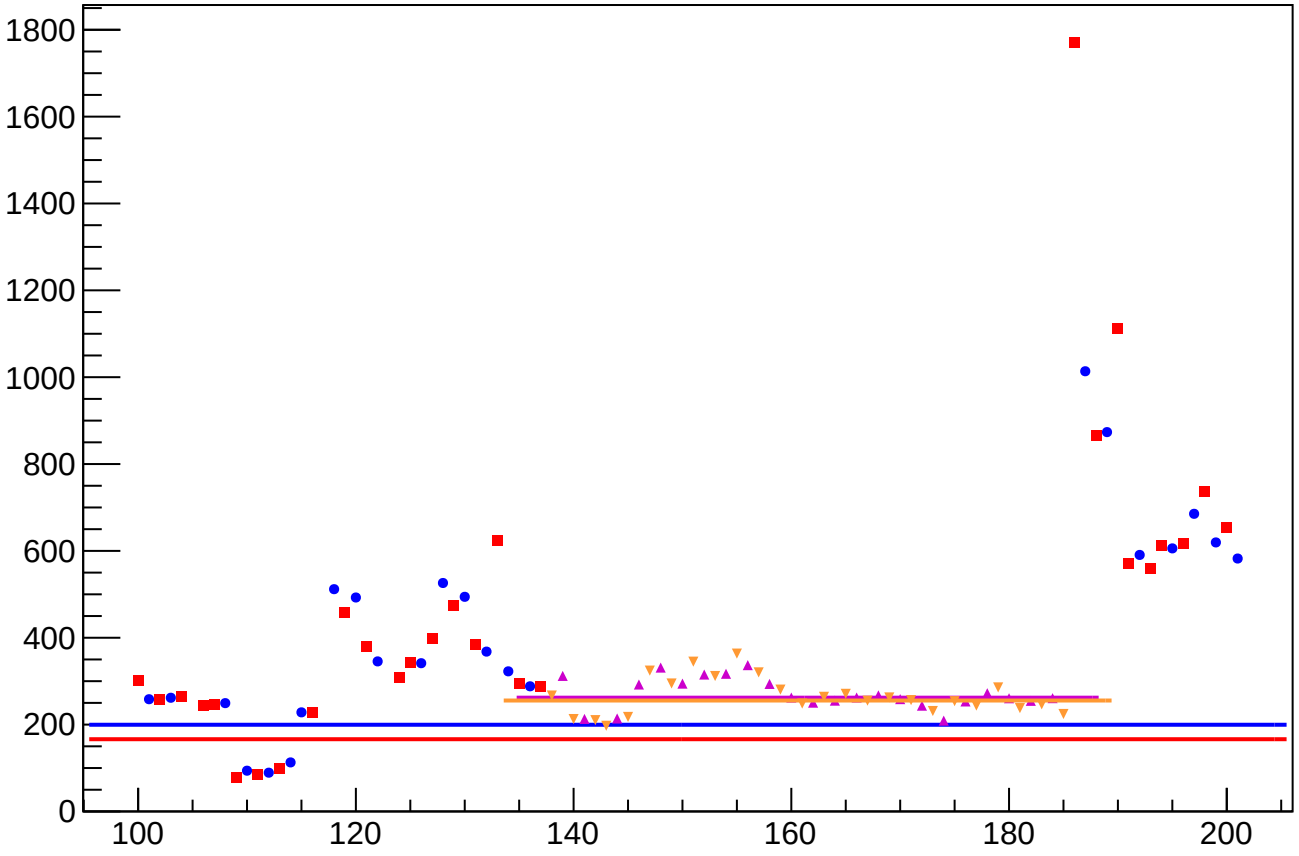
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -206.670+/-45.975 χ^2/NDF: 83.0/47

All: -114.788+/-31.751 χ^2/NDF: 142.1/98

- sign -31.003+/-43.902 χ^2/NDF: 51.5/50

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: 166.358+/-0.044 χ^2/NDF: 12707887.3/27

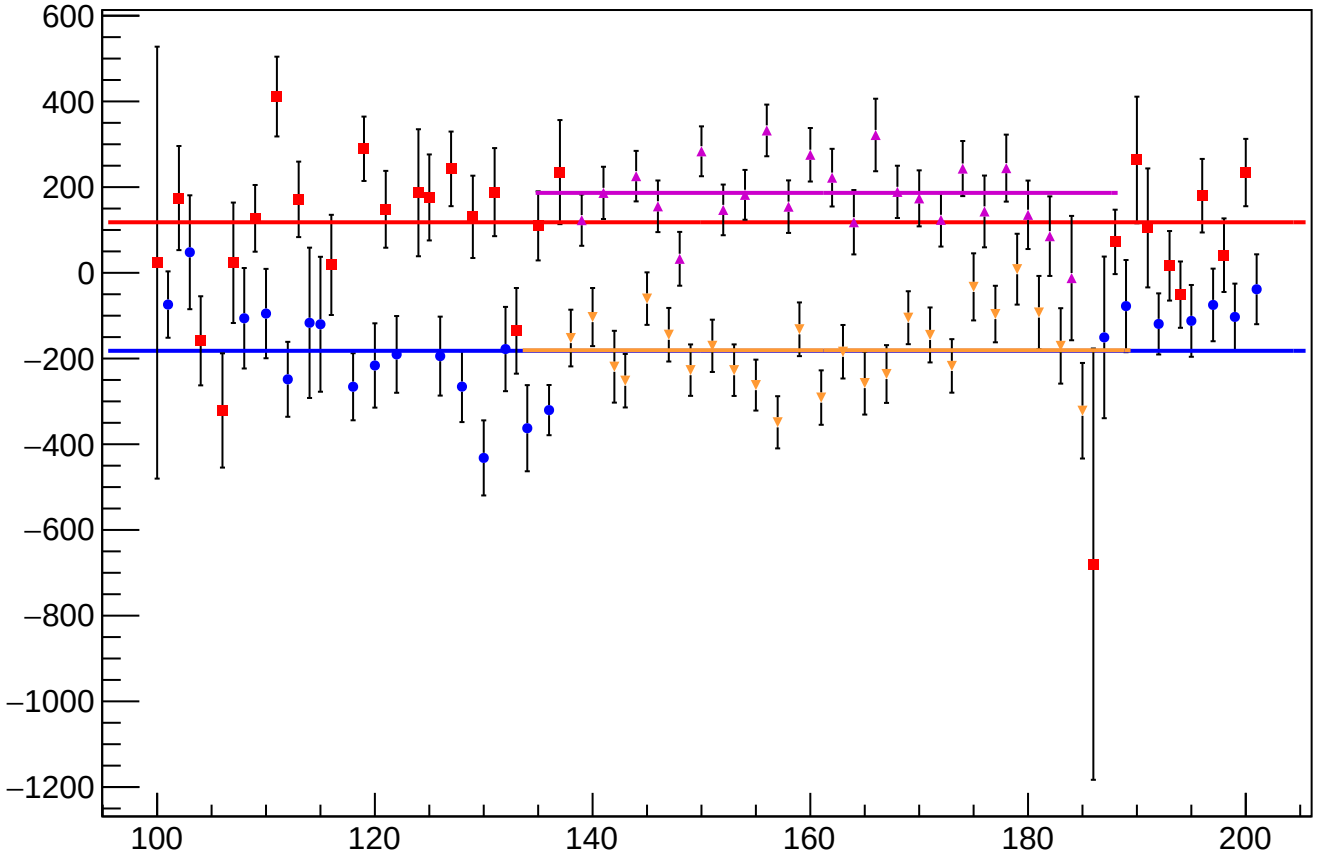
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 233.685+/-0.033 χ^2/NDF: 11279141.1/47

All: 223.650+/-0.022 χ^2/NDF: 27213047.4/98

- sign 214.498+/-0.031 χ^2/NDF: 15751710.6/50

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: 117.998+/-18.608 χ^2/NDF: 59.1/27

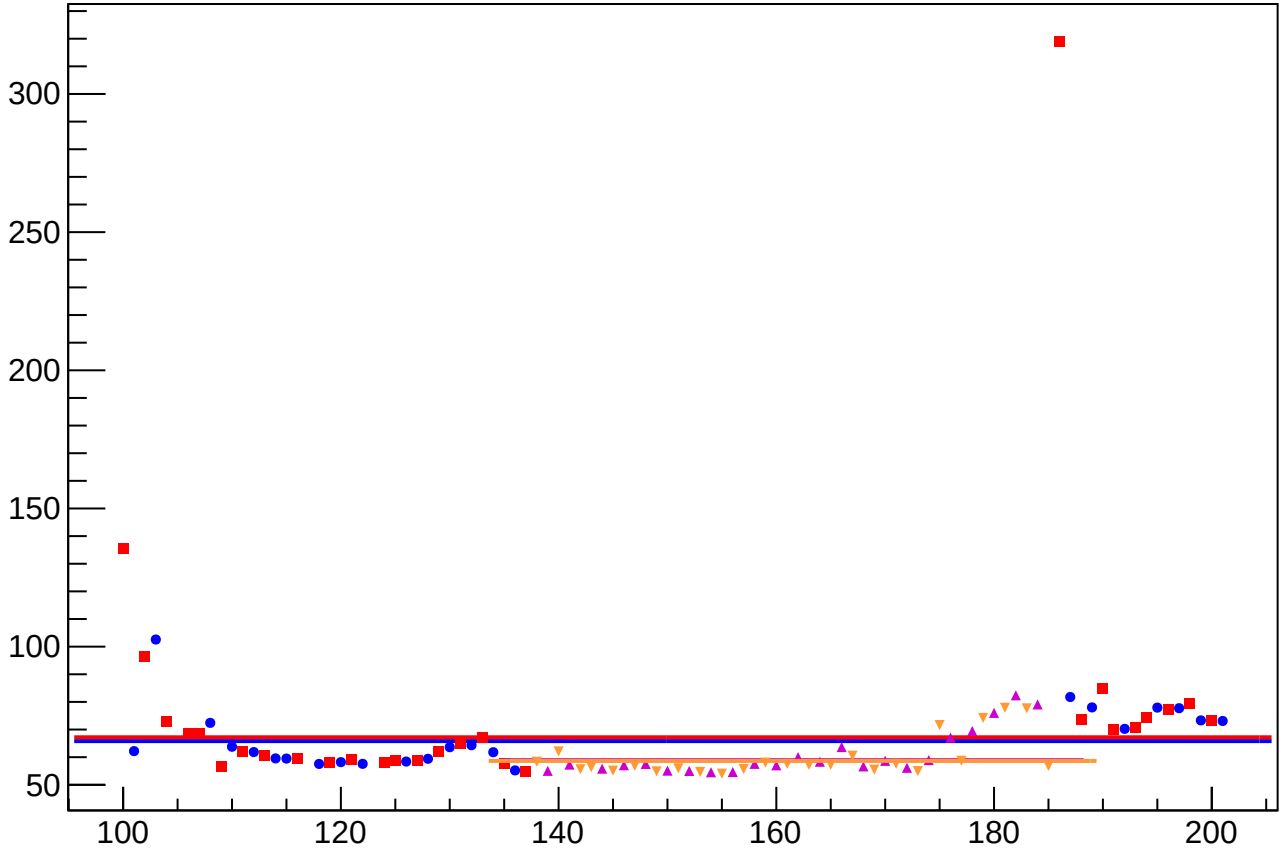
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -181.113+/-10.954 χ^2/NDF: 73.0/47

All: -12.011+/-7.802 χ^2/NDF: 653.5/98

- sign 162.100+/-11.115 χ^2/NDF: 96.9/50

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: 67.199+/-0.013 χ^2/NDF: 1009290.9/27

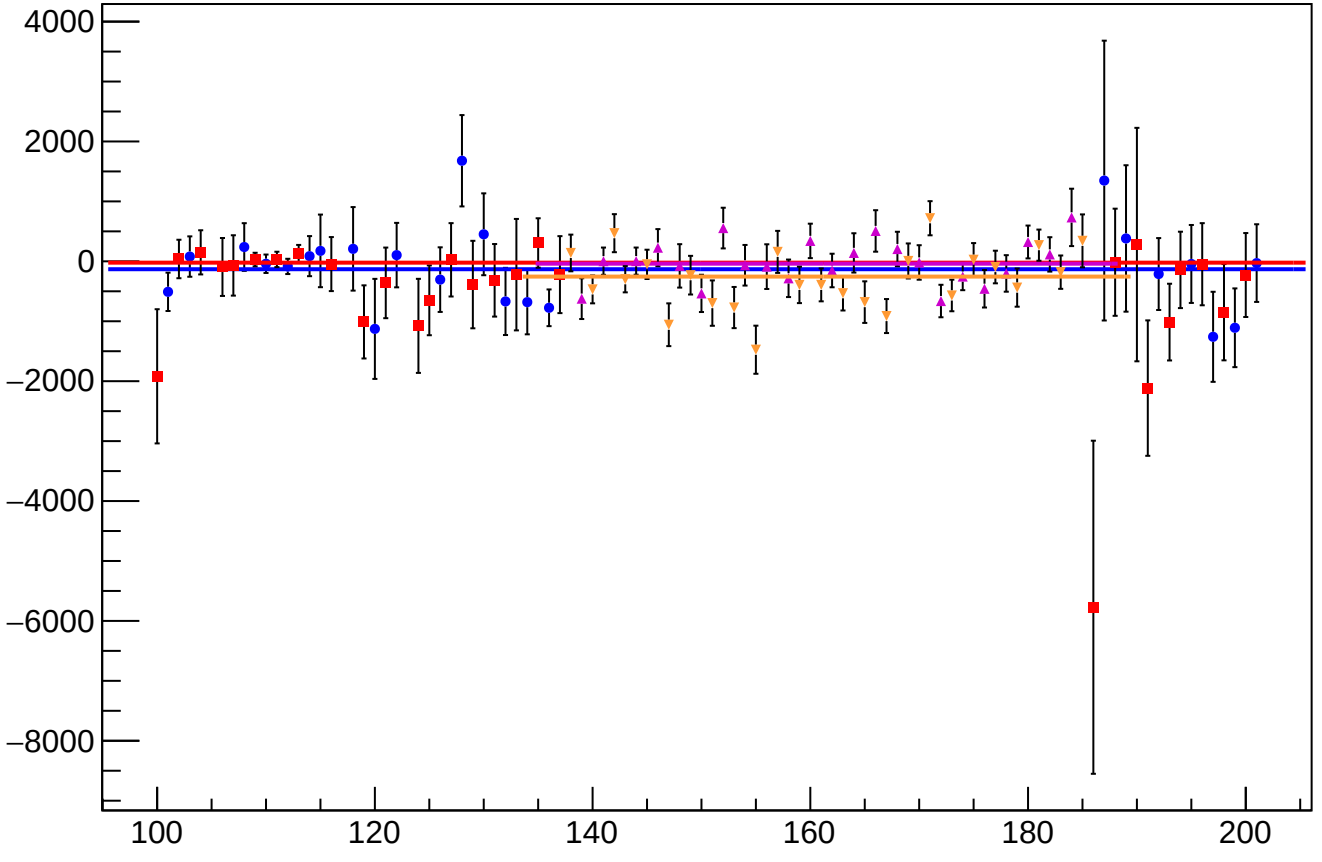
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.036+/-0.008 χ^2/NDF: 1069030.4/47

All: 61.445+/-0.006 χ^2/NDF: 2726258.7/98

- sign 61.865+/-0.008 χ^2/NDF: 1651583.2/50

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: -22.190+/-62.434 χ^2/NDF: 23.1/27

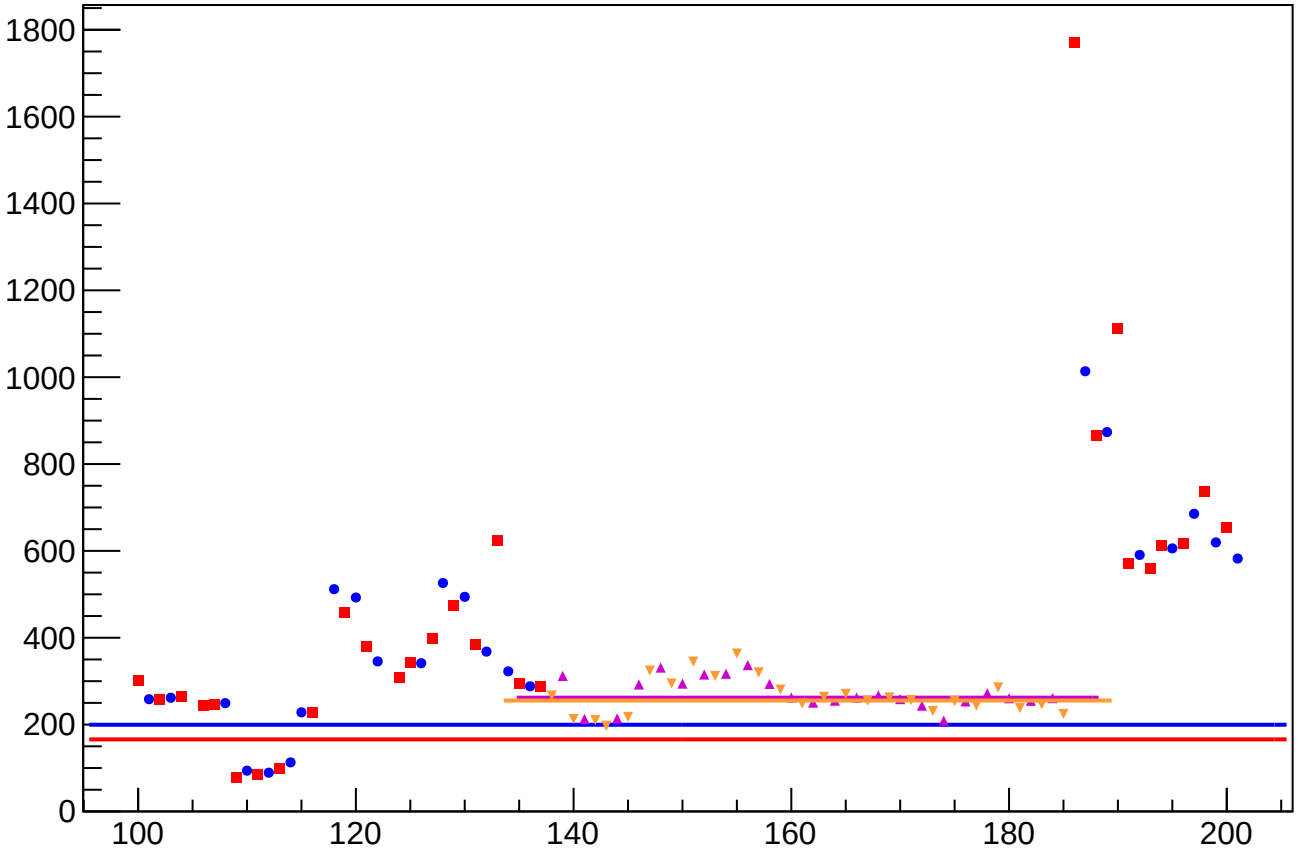
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -206.662+/-45.975 χ^2/NDF: 83.0/47

All: -114.746+/-31.770 χ^2/NDF: 142.1/98

- sign -30.742+/-43.951 χ^2/NDF: 51.5/50

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: 166.015+/-0.044 χ^2/NDF: 12694879.8/27

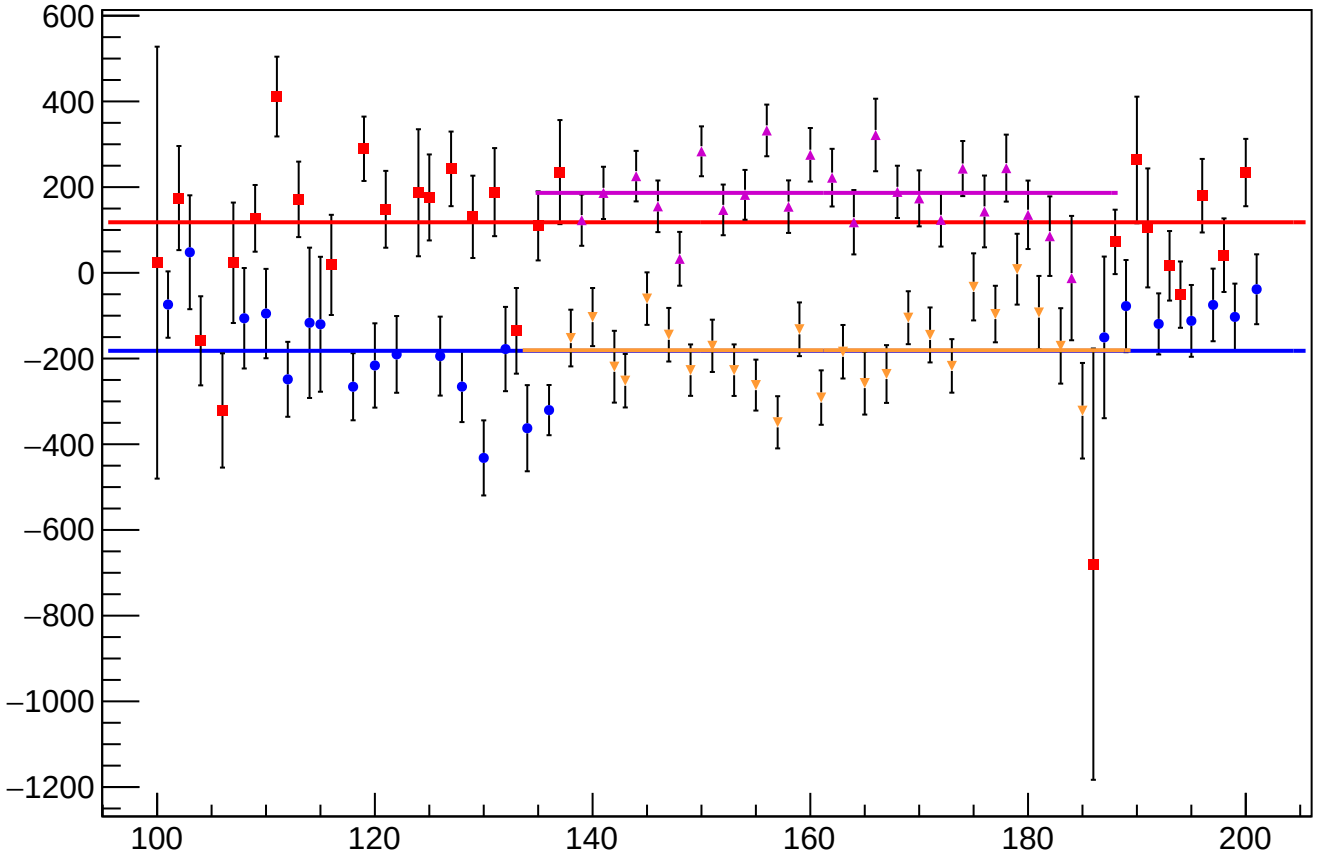
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 233.685+/-0.033 χ^2/NDF: 11279165.5/47

All: 223.628+/-0.022 χ^2/NDF: 27212667.9/98

- sign 214.436+/-0.031 χ^2/NDF: 15750318.2/50

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: 117.998+/-18.608 χ^2/NDF: 59.1/27

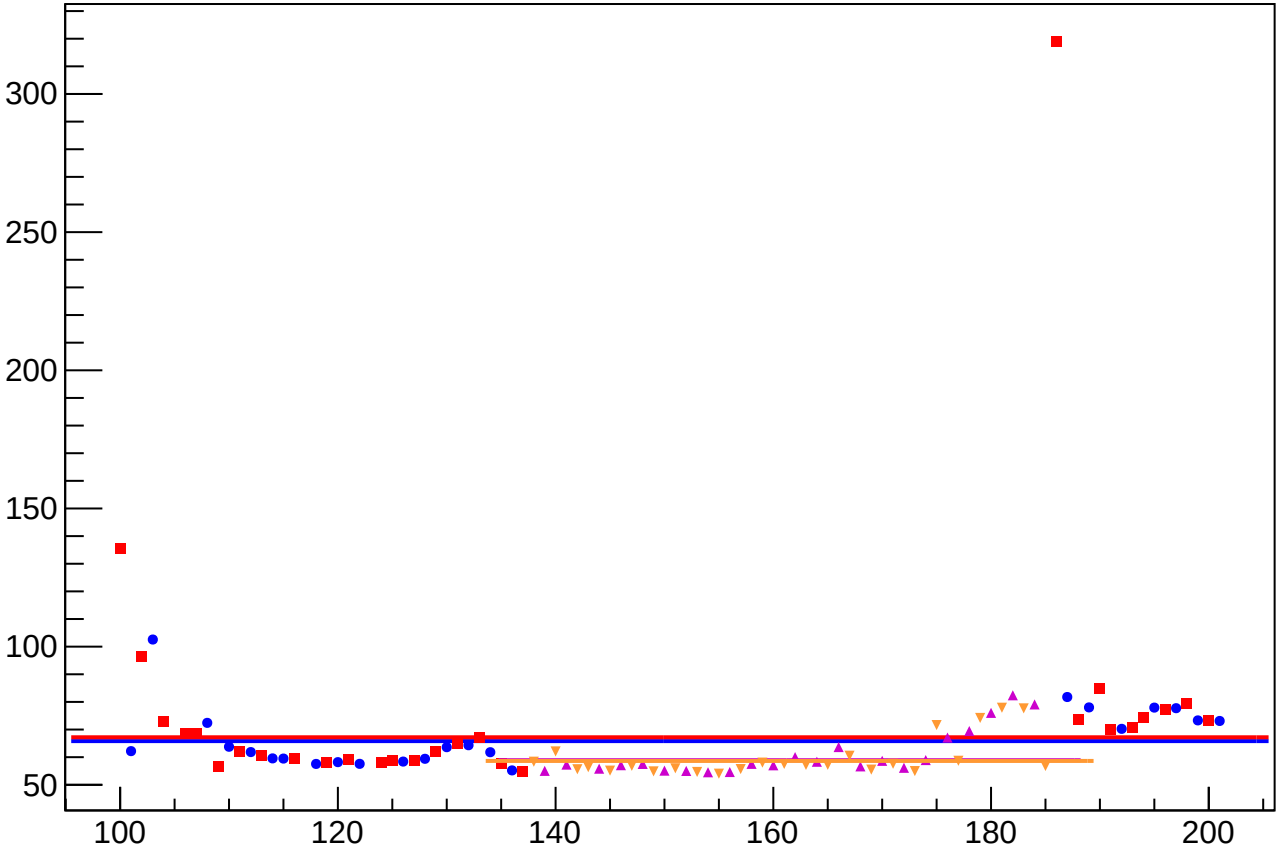
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -181.113+/-10.954 χ^2/NDF: 73.0/47

All: -12.011+/-7.802 χ^2/NDF: 653.5/98

- sign 162.100+/-11.115 χ^2/NDF: 96.9/50

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: 67.199+/-0.013 χ^2/NDF: 1009290.9/27

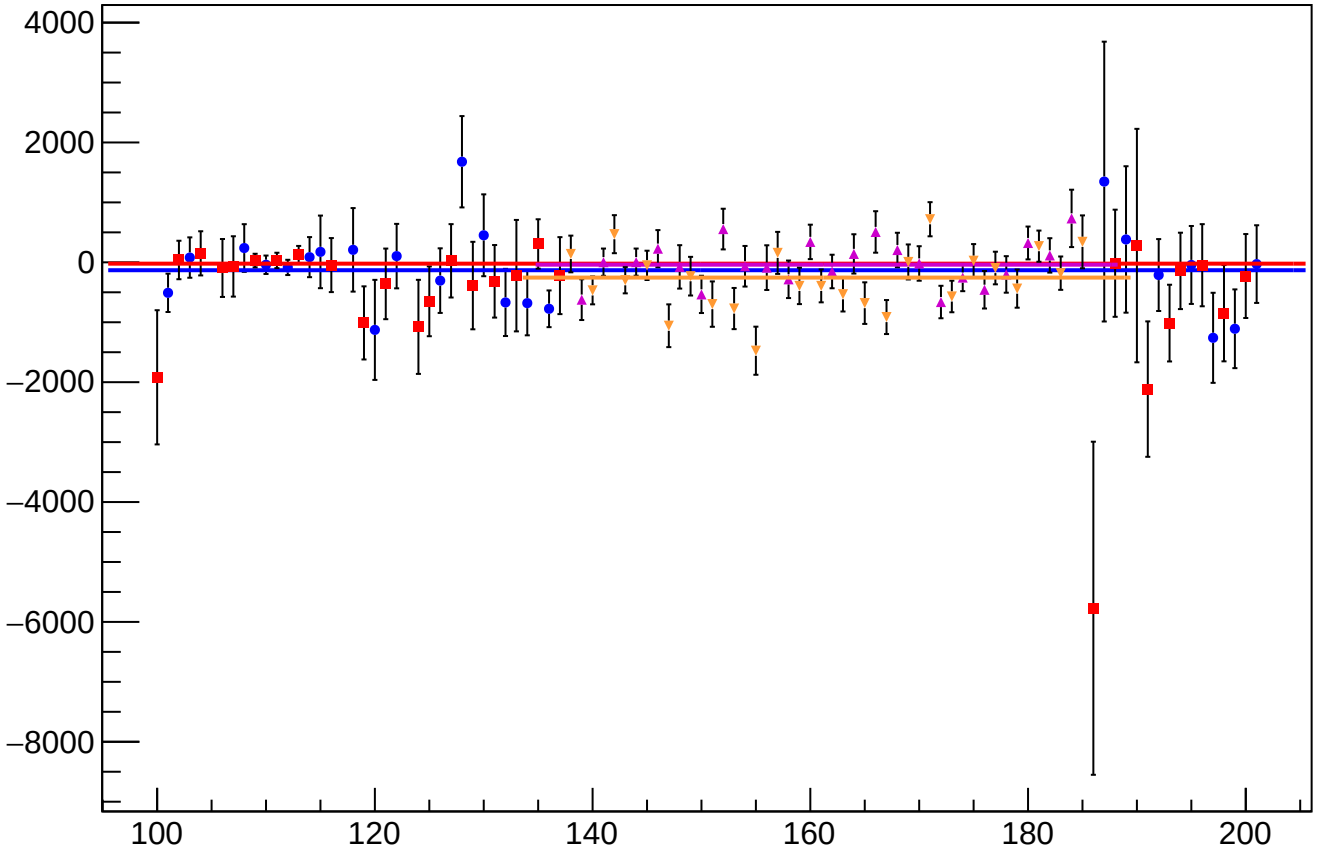
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.036+/-0.008 χ^2/NDF: 1069030.4/47

All: 61.445+/-0.006 χ^2/NDF: 2726258.7/98

- sign 61.865+/-0.008 χ^2/NDF: 1651583.2/50

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: -22.190+/-62.434 χ^2/NDF: 23.1/27

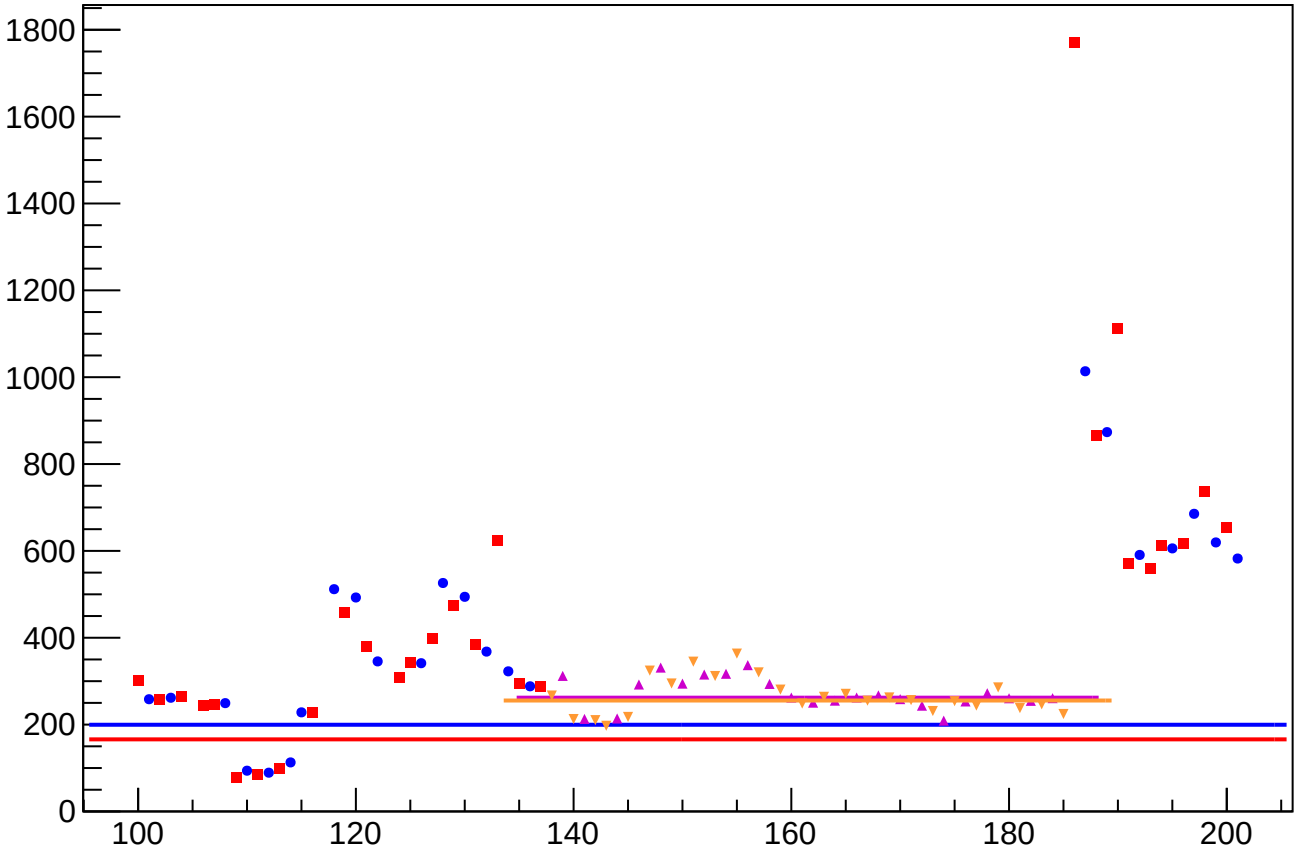
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -206.662+/-45.975 χ^2/NDF: 83.0/47

All: -114.746+/-31.770 χ^2/NDF: 142.1/98

- sign -30.742+/-43.951 χ^2/NDF: 51.5/50

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: 166.015+/-0.044 χ^2/NDF: 12694879.8/27

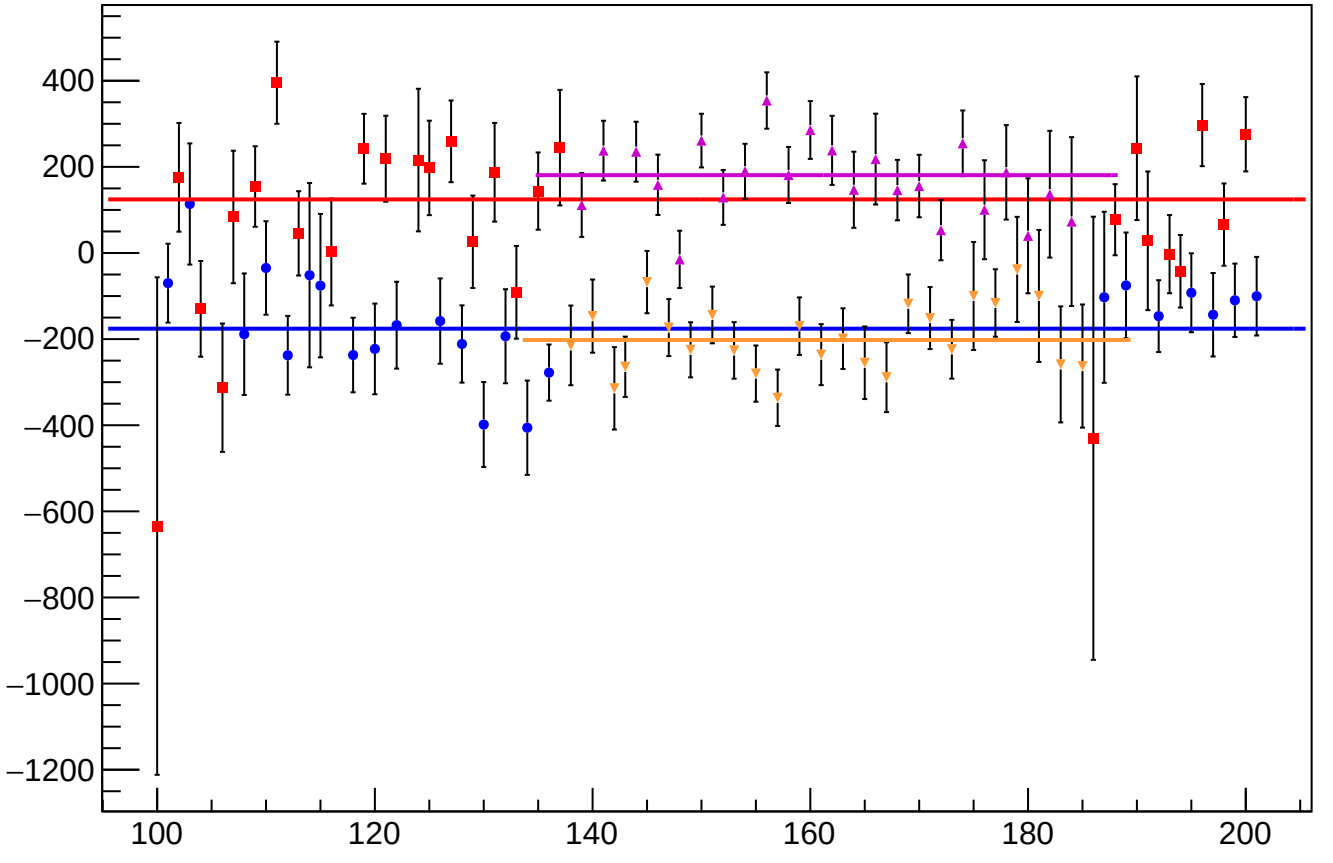
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 233.685+/-0.033 χ^2/NDF: 11279165.5/47

All: 223.628+/-0.022 χ^2/NDF: 27212667.9/98

- sign 214.436+/-0.031 χ^2/NDF: 15750318.2/50

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: 124.460+/-20.494 χ^2/NDF: 52.3/27

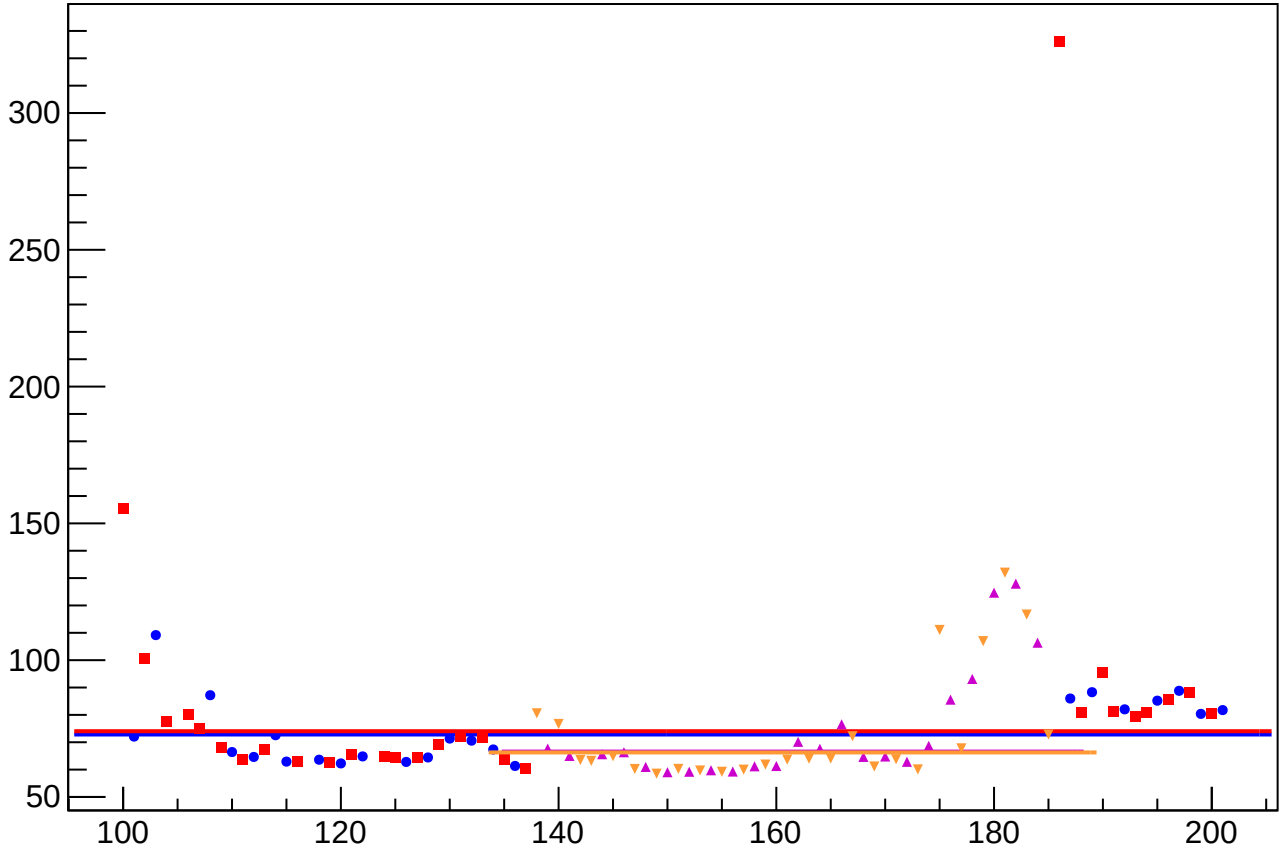
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -192.819+/-12.504 χ^2/NDF: 46.9/47

All: -18.333+/-8.883 χ^2/NDF: 527.2/98

- sign 159.422+/-12.621 χ^2/NDF: 87.2/50

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: 74.031+/-0.014 χ^2/NDF: 974349.1/27

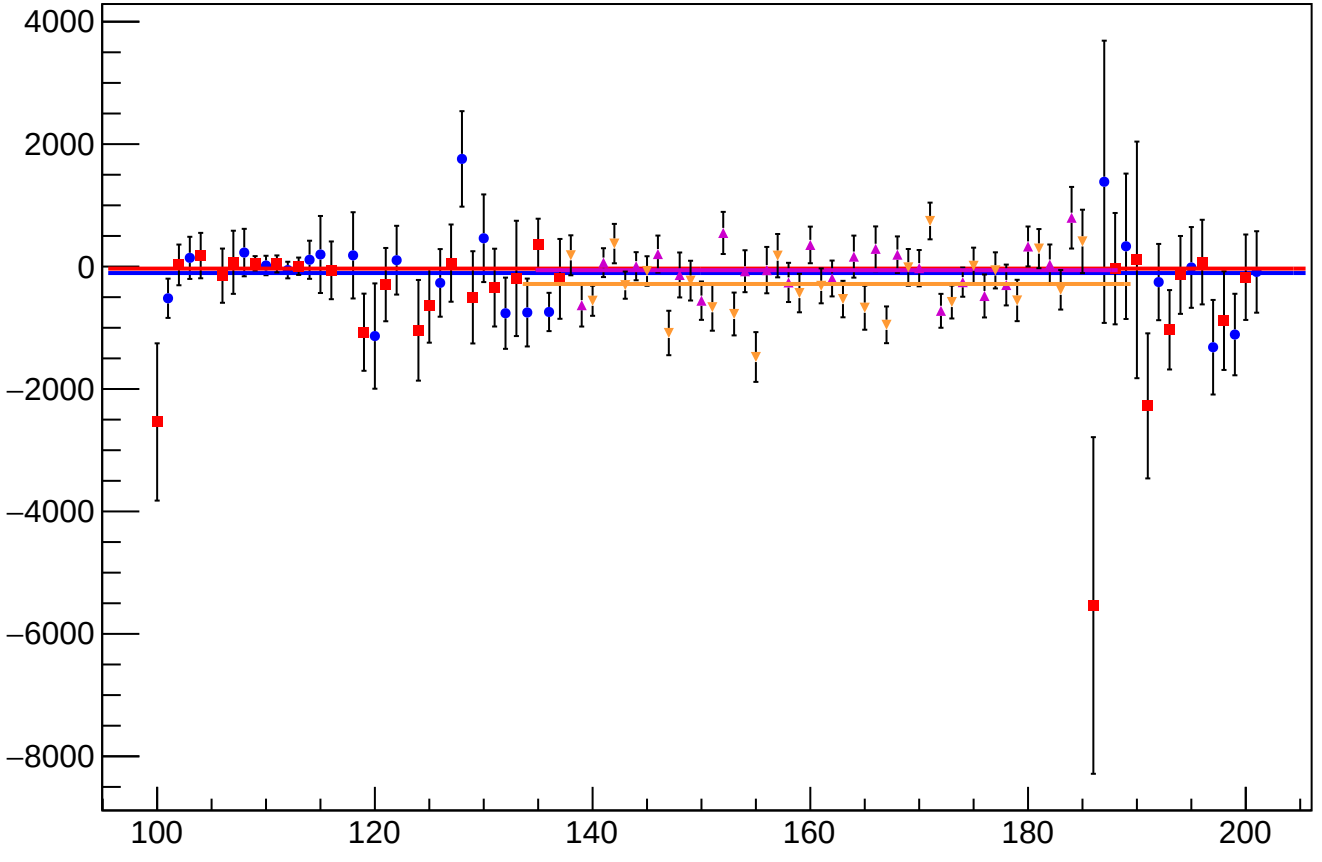
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 68.588+/-0.009 χ^2/NDF: 2055687.8/47

All: 68.995+/-0.006 χ^2/NDF: 4356401.4/98

- sign 69.409+/-0.009 χ^2/NDF: 2296445.6/50

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: -33.395+/-64.143 χ^2/NDF: 23.4/27

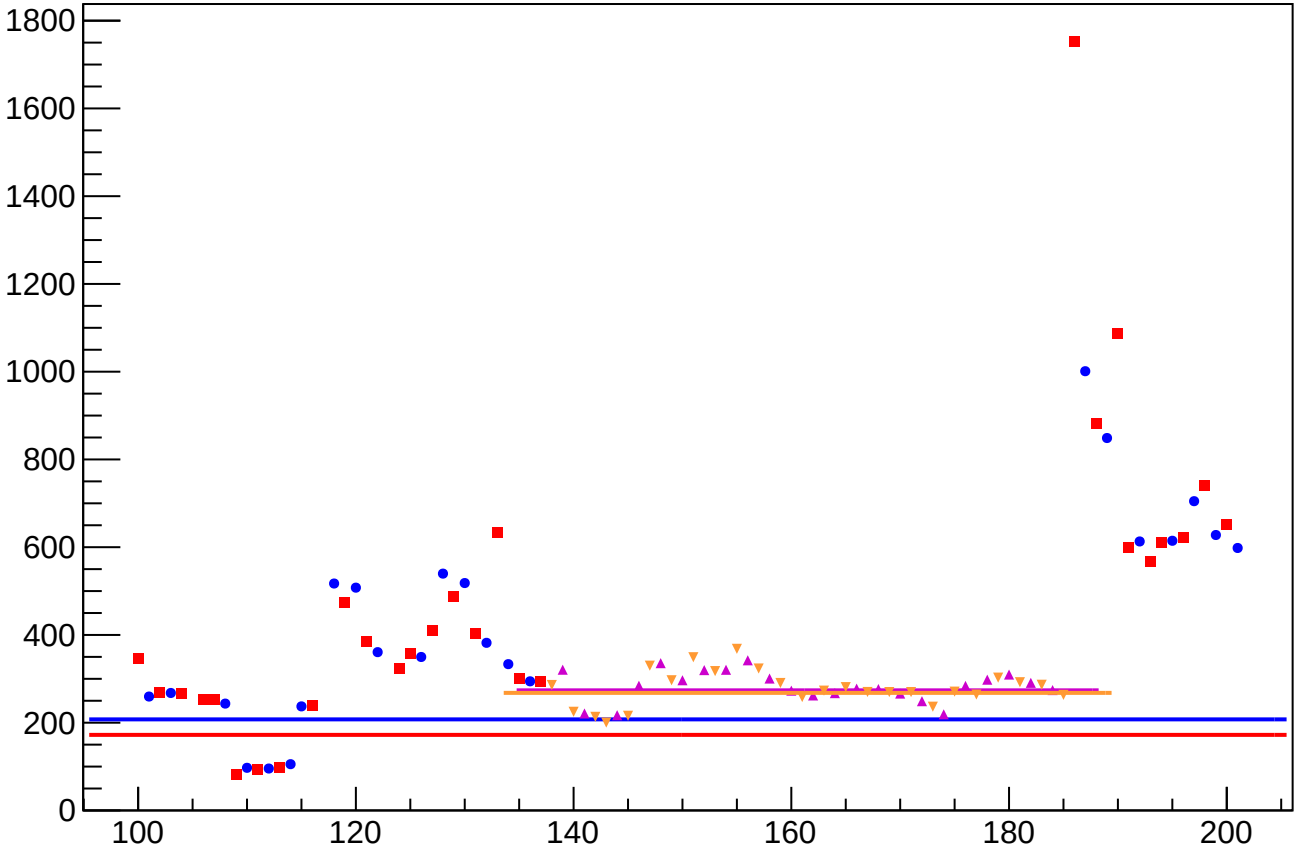
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -213.410+/-47.893 χ^2/NDF: 82.6/47

All: -125.566+/-32.998 χ^2/NDF: 139.3/98

- sign -46.179+/-45.530 χ^2/NDF: 50.3/50

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: 172.253+/-0.045 χ^2/NDF: 12557566.9/27

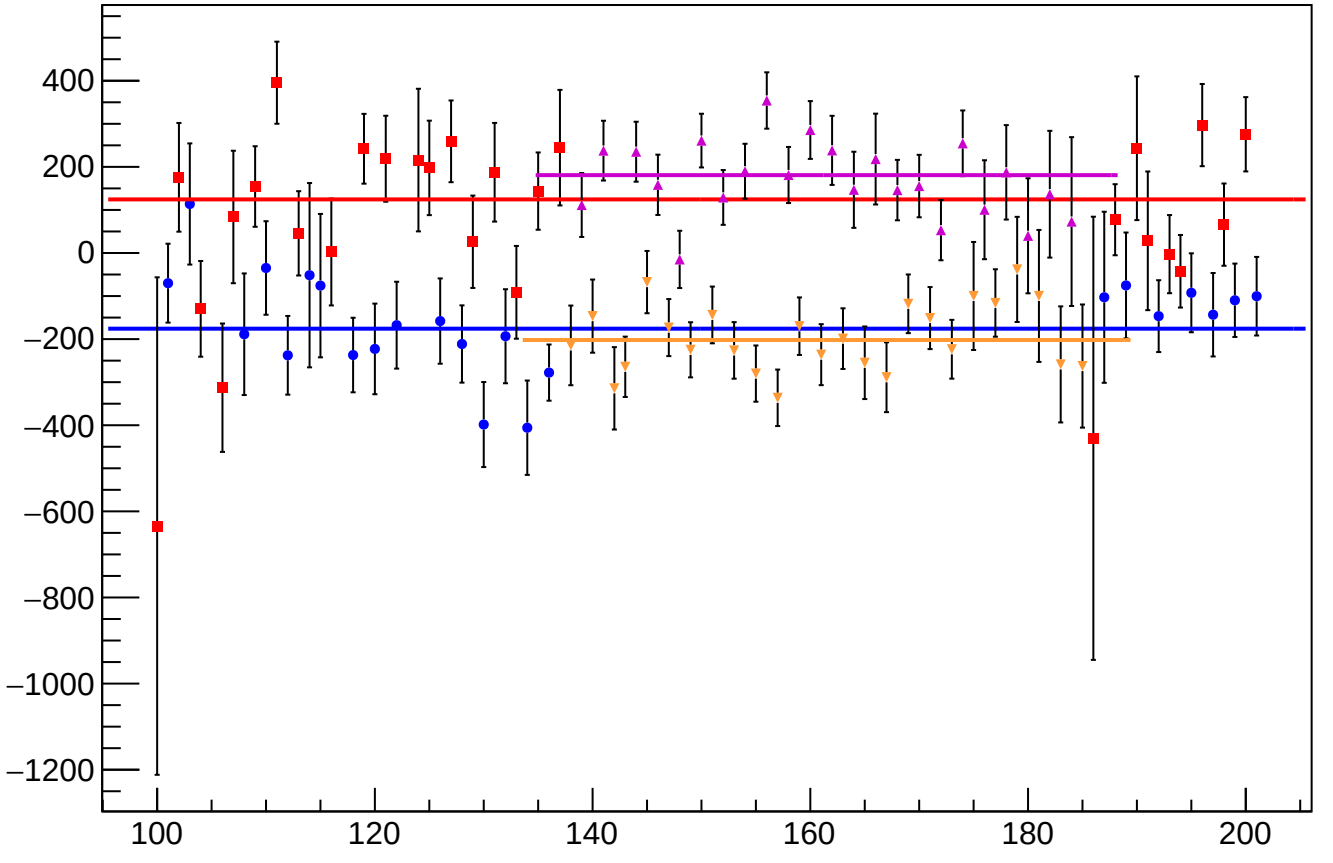
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 243.945+/-0.034 χ^2/NDF: 11139047.0/47

All: 232.740+/-0.023 χ^2/NDF: 27040012.0/98

- sign 222.613+/-0.032 χ^2/NDF: 15692543.0/50

eigen_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: 124.461+/-20.494 χ^2/NDF: 52.3/27

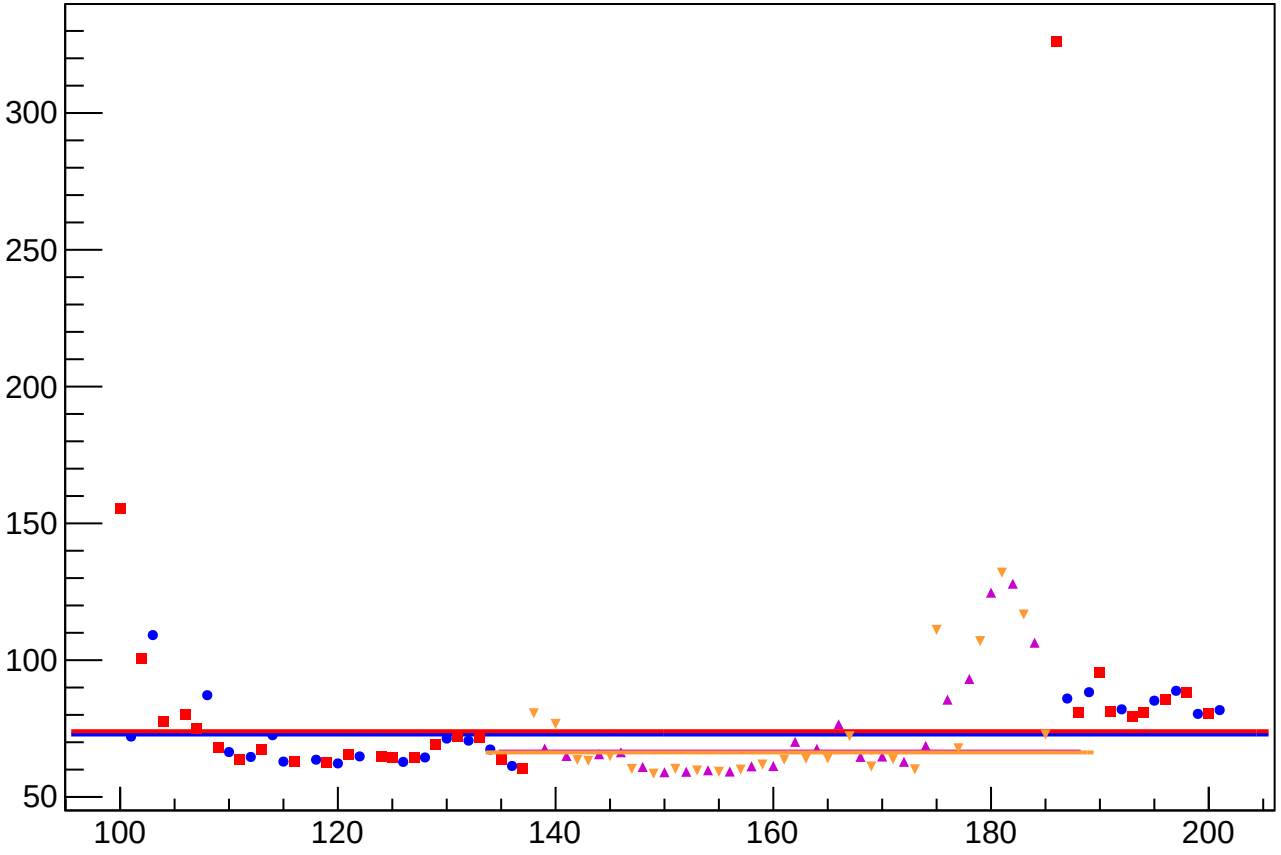
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -192.819+/-12.504 χ^2/NDF: 46.9/47

All: -18.332+/-8.883 χ^2/NDF: 527.2/98

- sign 159.423+/-12.621 χ^2/NDF: 87.2/50

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: 74.030+/-0.014 χ^2/NDF: 974354.1/27

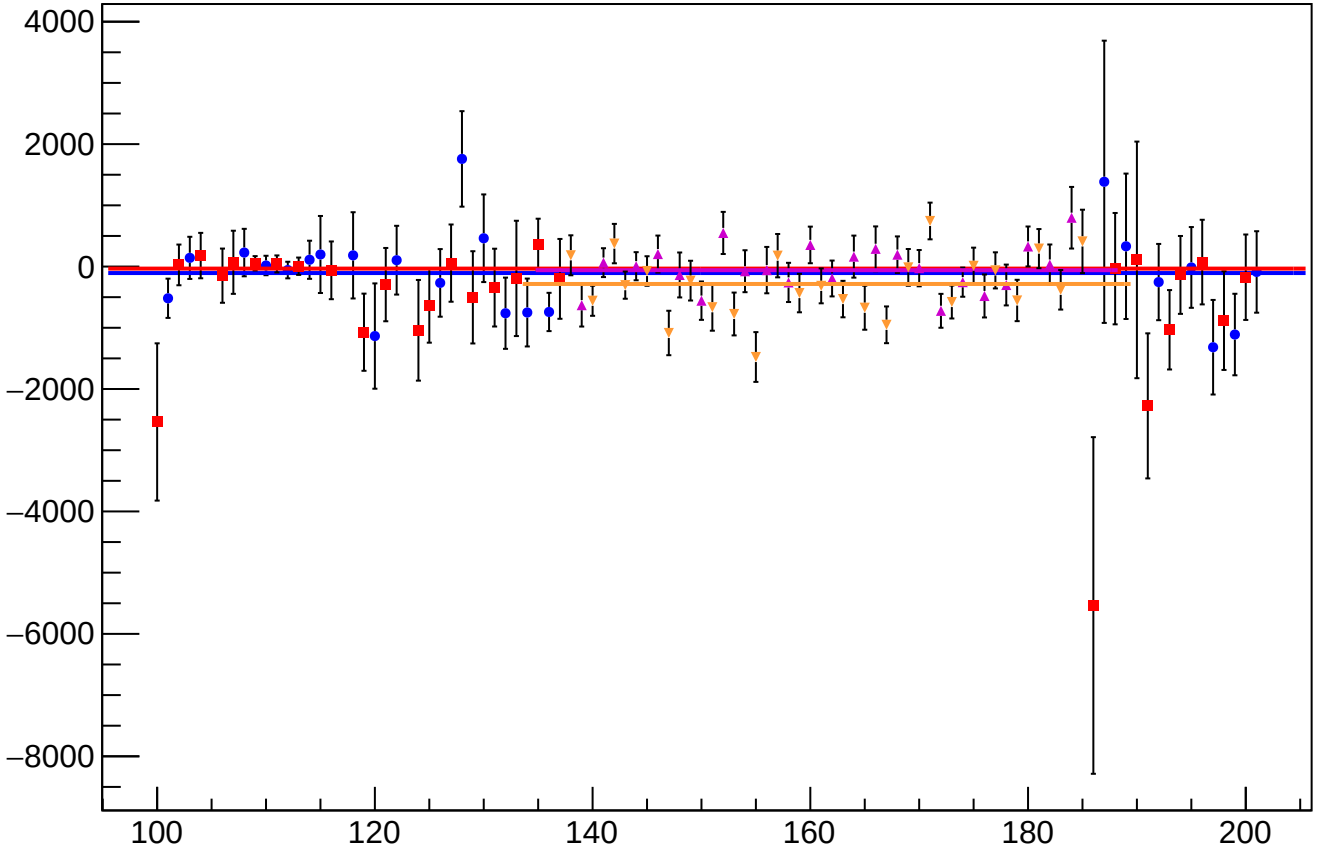
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 68.588+/-0.009 χ^2/NDF: 2055686.5/47

All: 68.995+/-0.006 χ^2/NDF: 4356388.9/98

- sign 69.409+/-0.009 χ^2/NDF: 2296434.4/50

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: -33.394+/-64.143 χ^2/NDF: 23.4/27

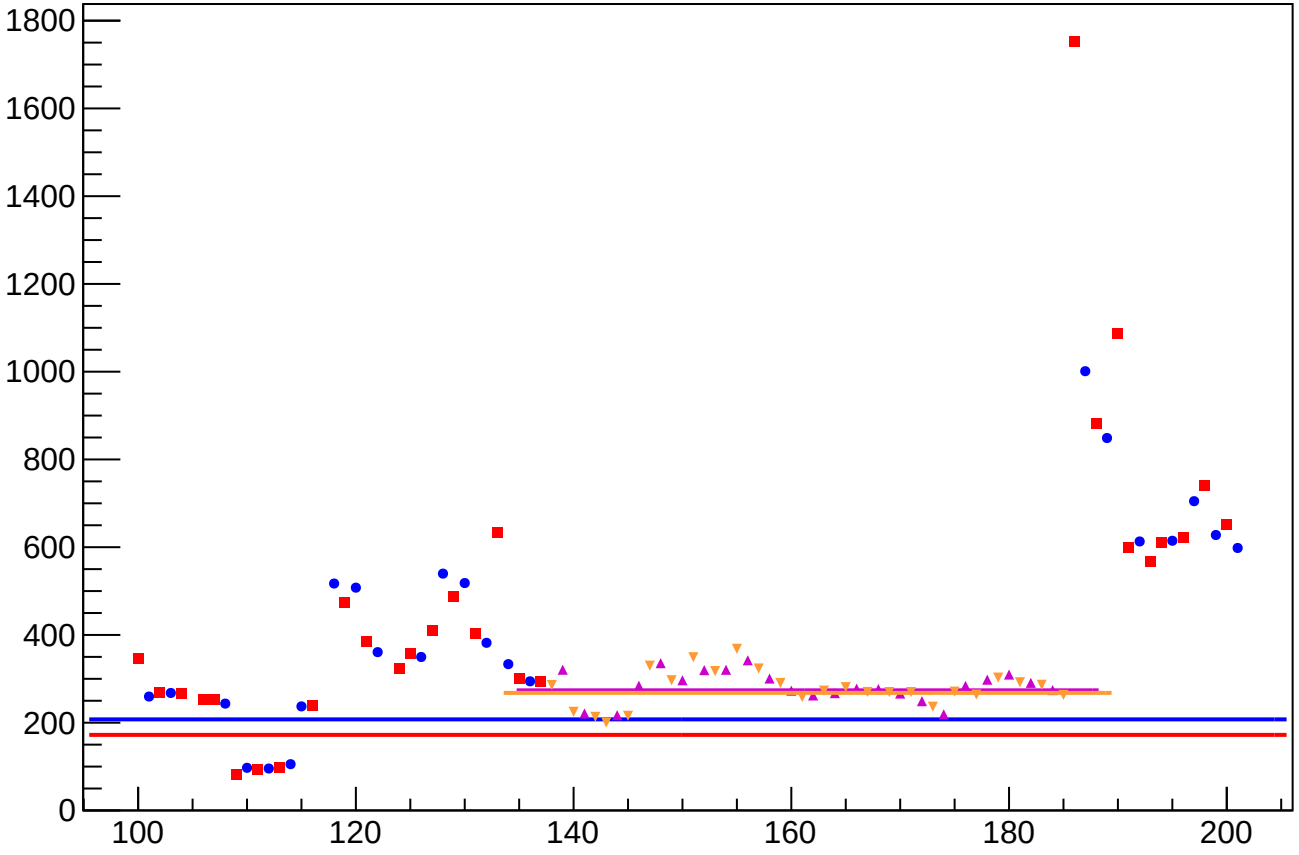
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -213.408+/-47.893 χ^2/NDF: 82.6/47

All: -125.565+/-32.998 χ^2/NDF: 139.3/98

- sign -46.178+/-45.529 χ^2/NDF: 50.3/50

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: 172.253+/-0.045 χ^2/NDF: 12557547.9/27

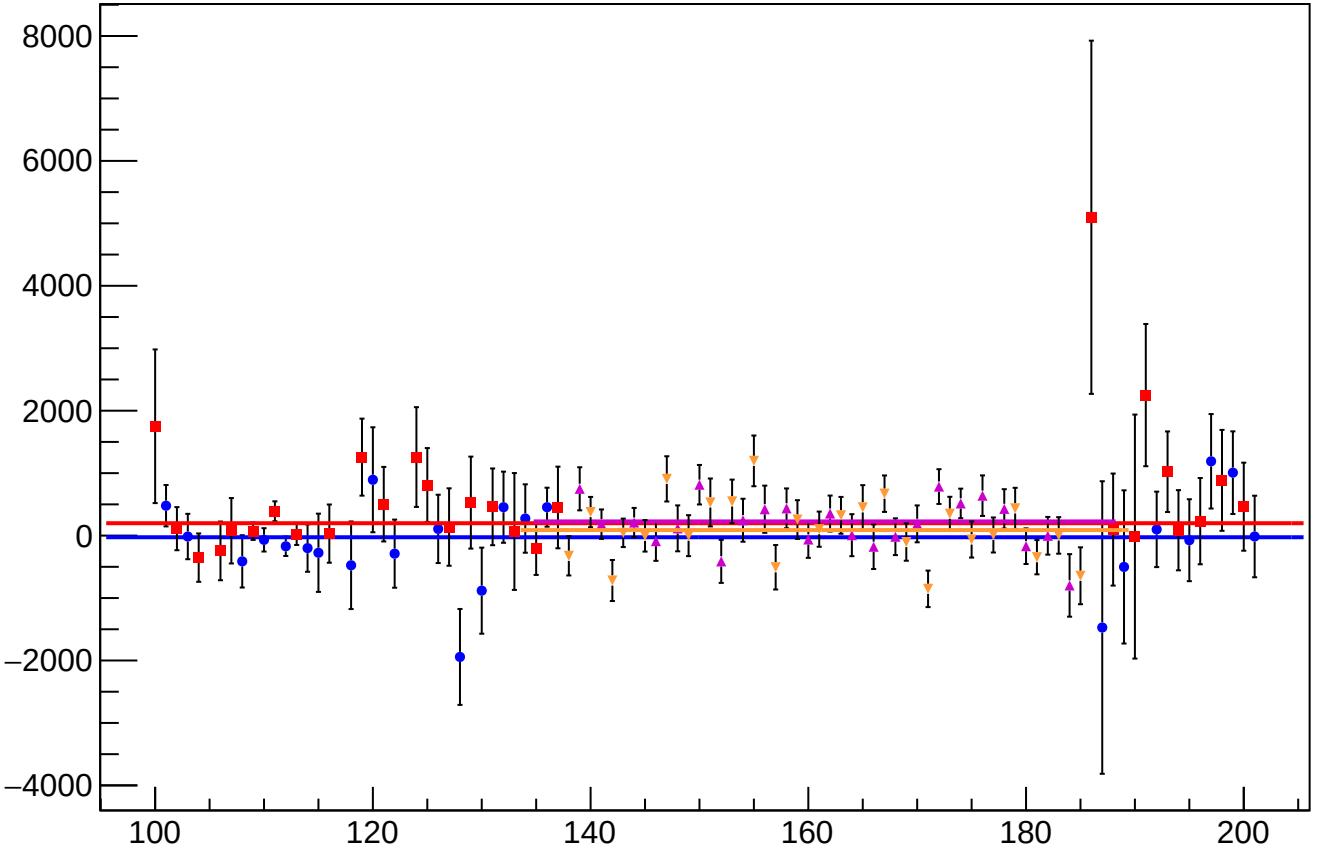
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 243.944+/-0.034 χ^2/NDF: 11139128.7/47

All: 232.739+/-0.023 χ^2/NDF: 27040056.8/98

- sign 222.613+/-0.032 χ^2/NDF: 15692517.5/50

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: 198.213+/-72.063 χ^2/NDF: 24.5/27

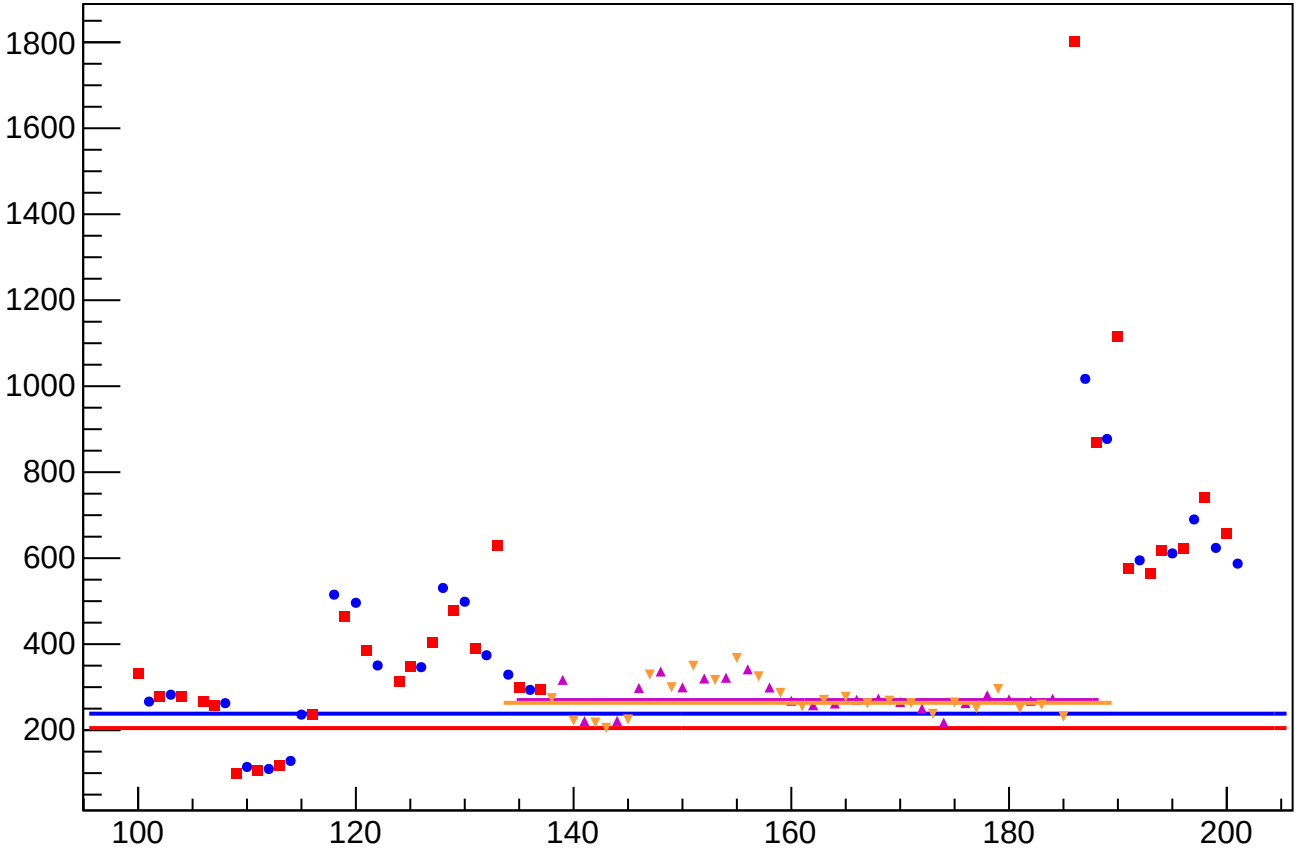
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 48.474+/-49.003 χ^2/NDF: 76.6/47

All: 133.593+/-34.187 χ^2/NDF: 135.8/98

- sign 214.303+/-47.717 χ^2/NDF: 53.4/50

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

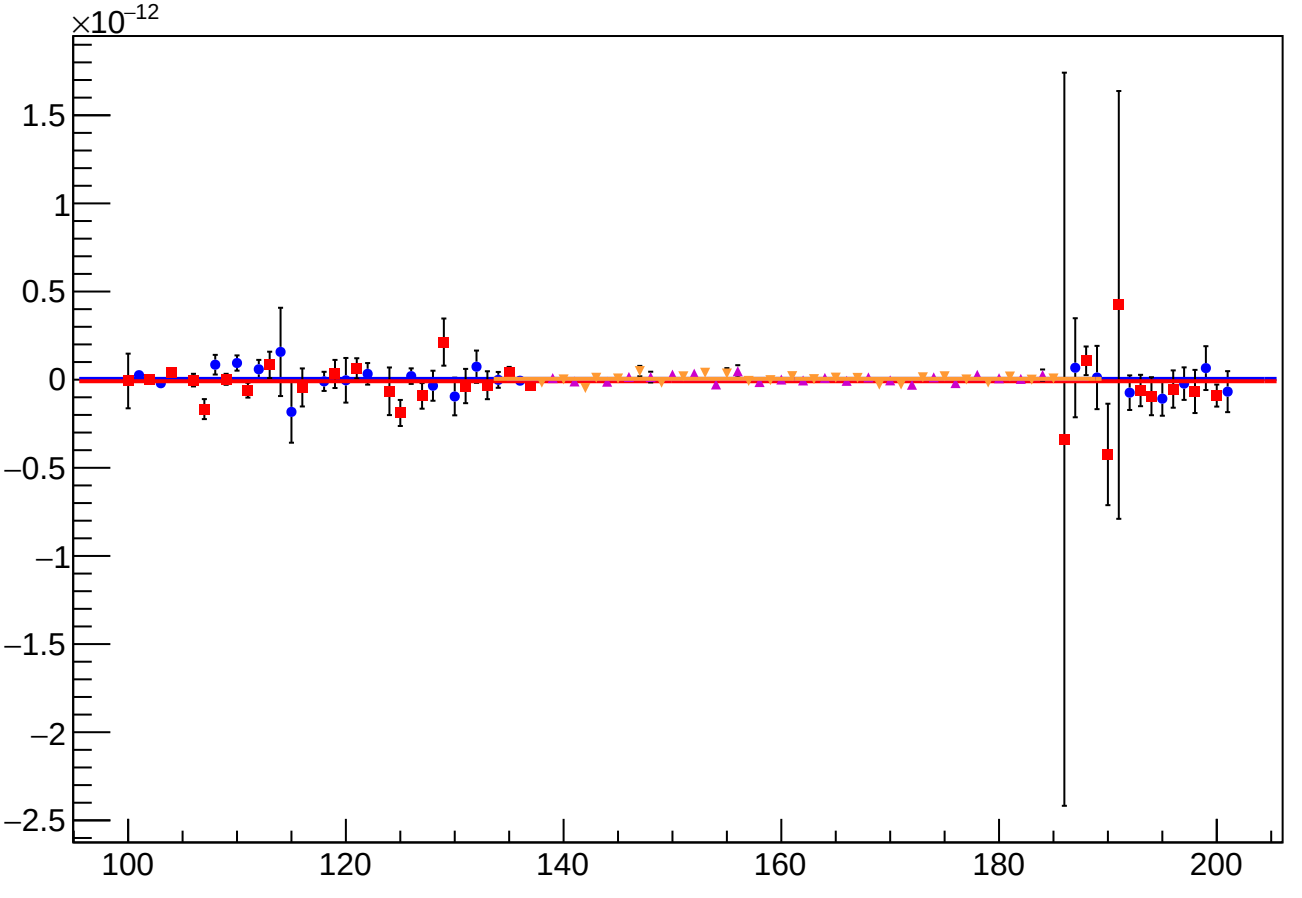
Right Out: 204.774+/-0.051 χ^2/NDF: 10867594.8/27

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 254.795+/-0.035 χ^2/NDF: 8905361.3/47

All: 247.891+/-0.024 χ^2/NDF: 21369754.9/98

- sign 241.344+/-0.034 χ^2/NDF: 12387043.2/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

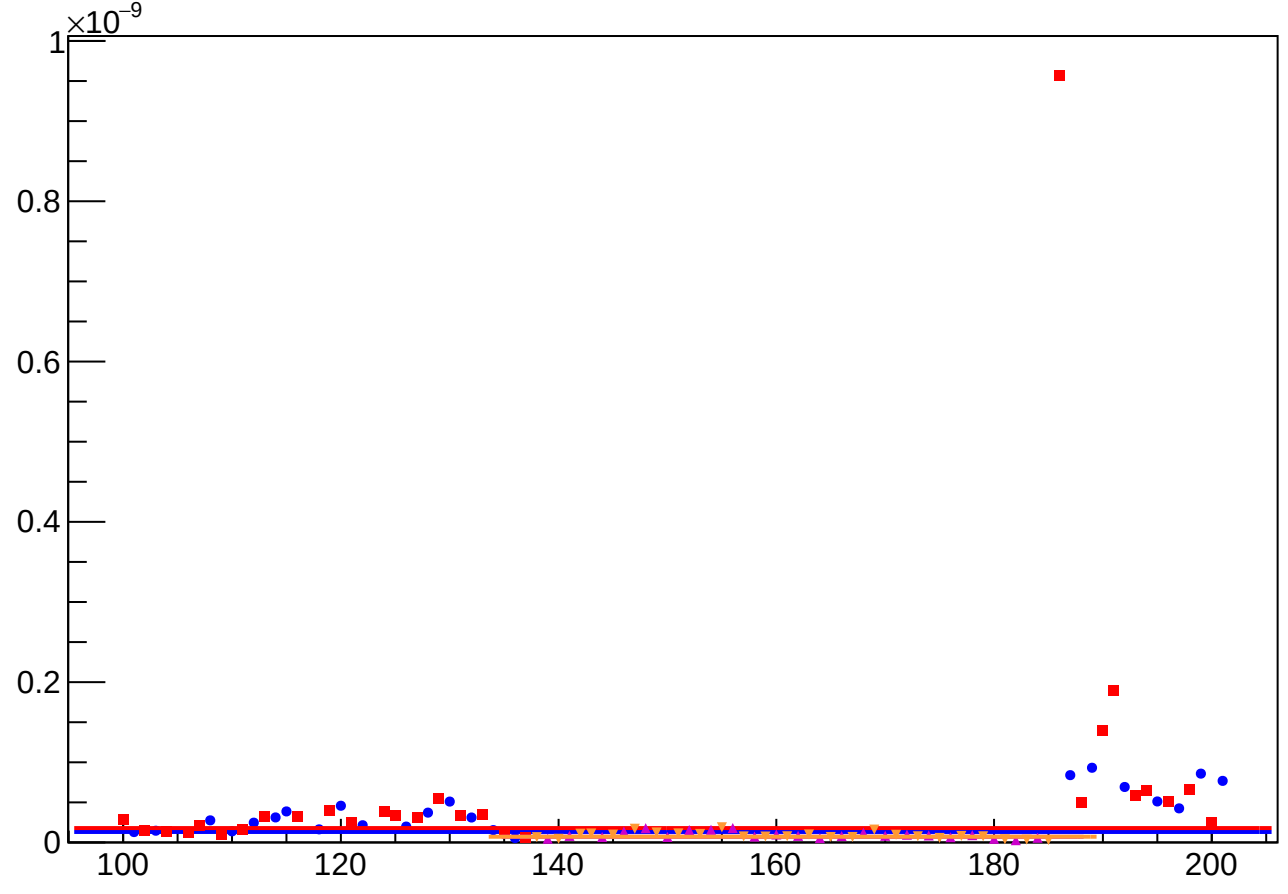
Right Out: -0.000+/-0.000 χ^2/NDF: 37.9/27

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: 105.8/98

\- sign 0.000+/-0.000 χ^2/NDF: 60.8/50



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: 3998767.2/27

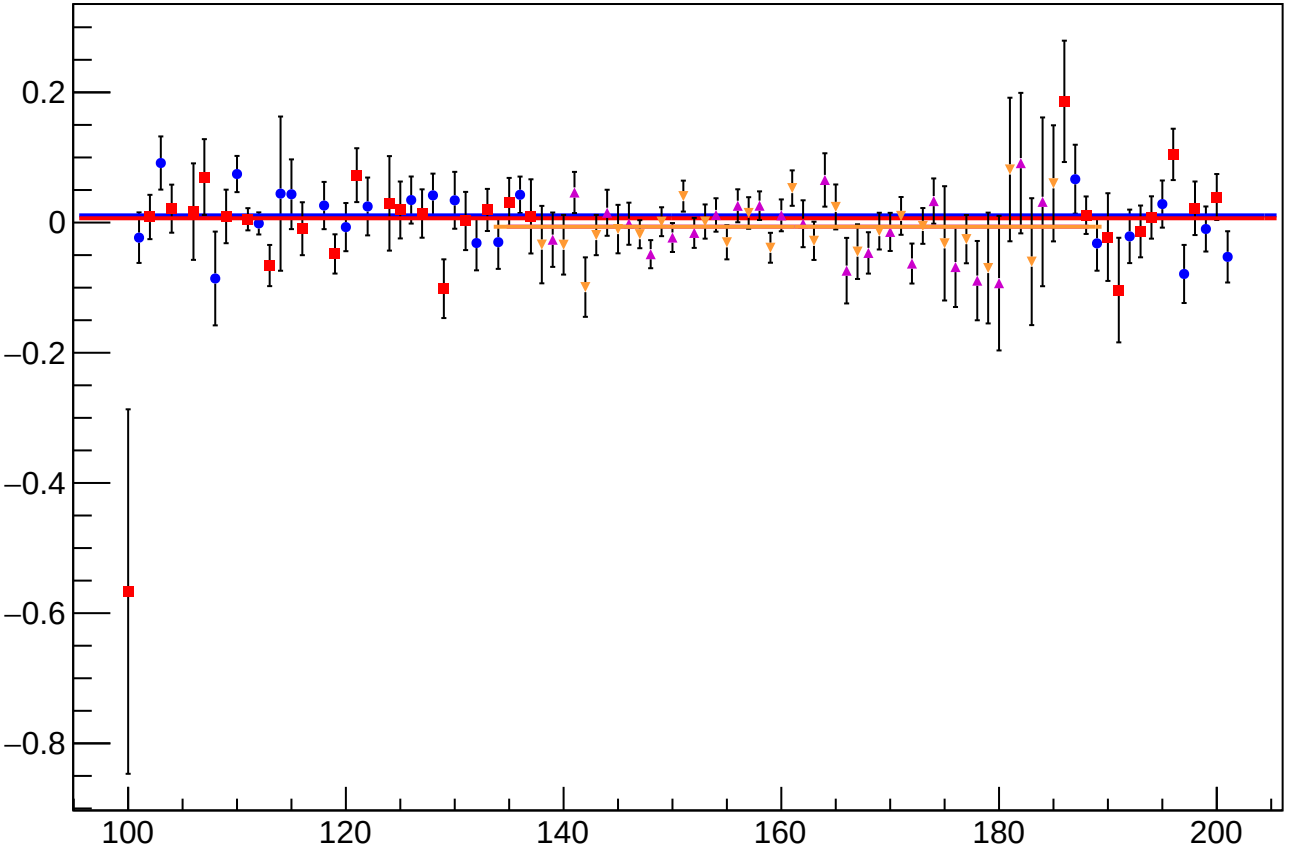
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7757608.4/47

All: 0.000+/-0.000 χ^2/NDF: 16042930.4/98

- sign 0.000+/-0.000 χ^2/NDF: 8278820.6/50

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: 36.7/27

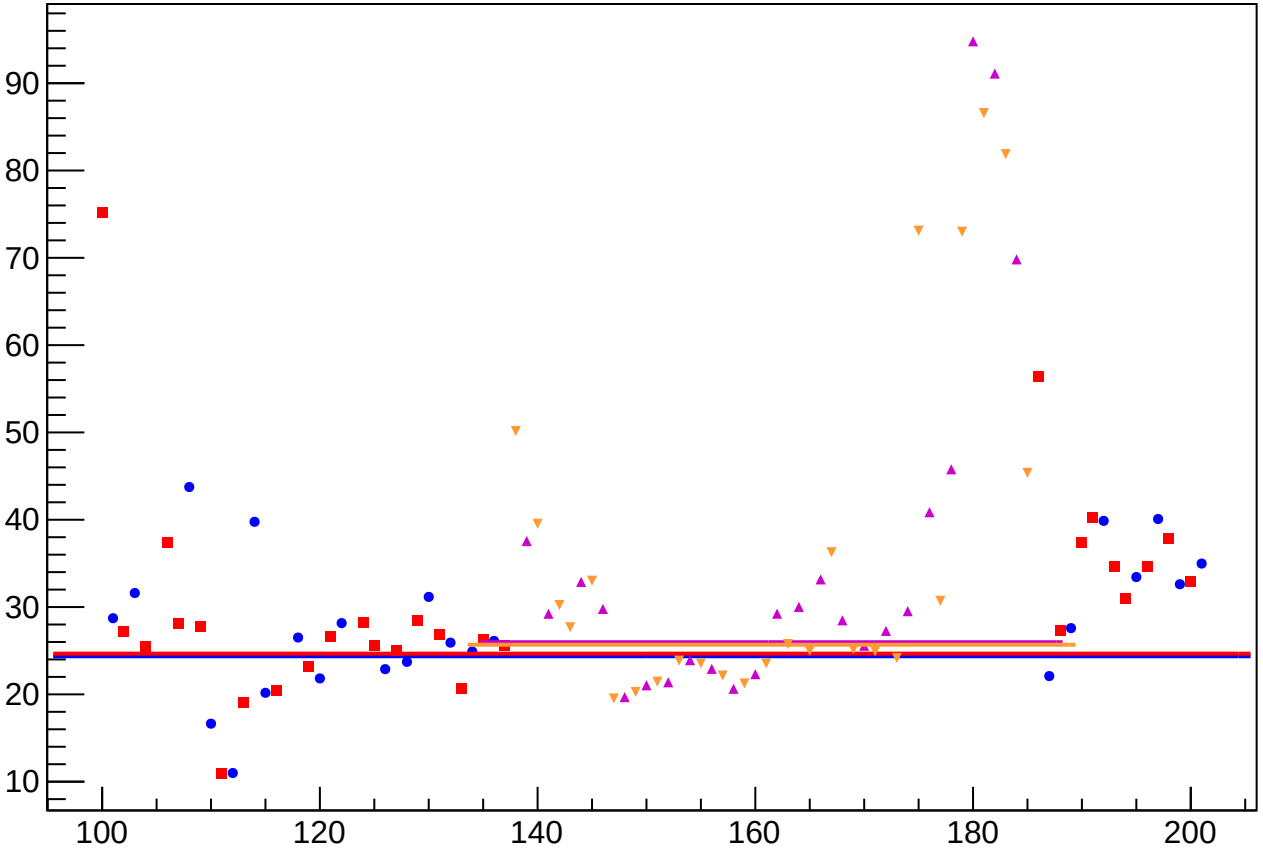
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.001+/-0.005 χ^2/NDF: 53.7/47

All: 0.000+/-0.003 χ^2/NDF: 120.6/98

- sign -0.000+/-0.005 χ^2/NDF: 66.8/50

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

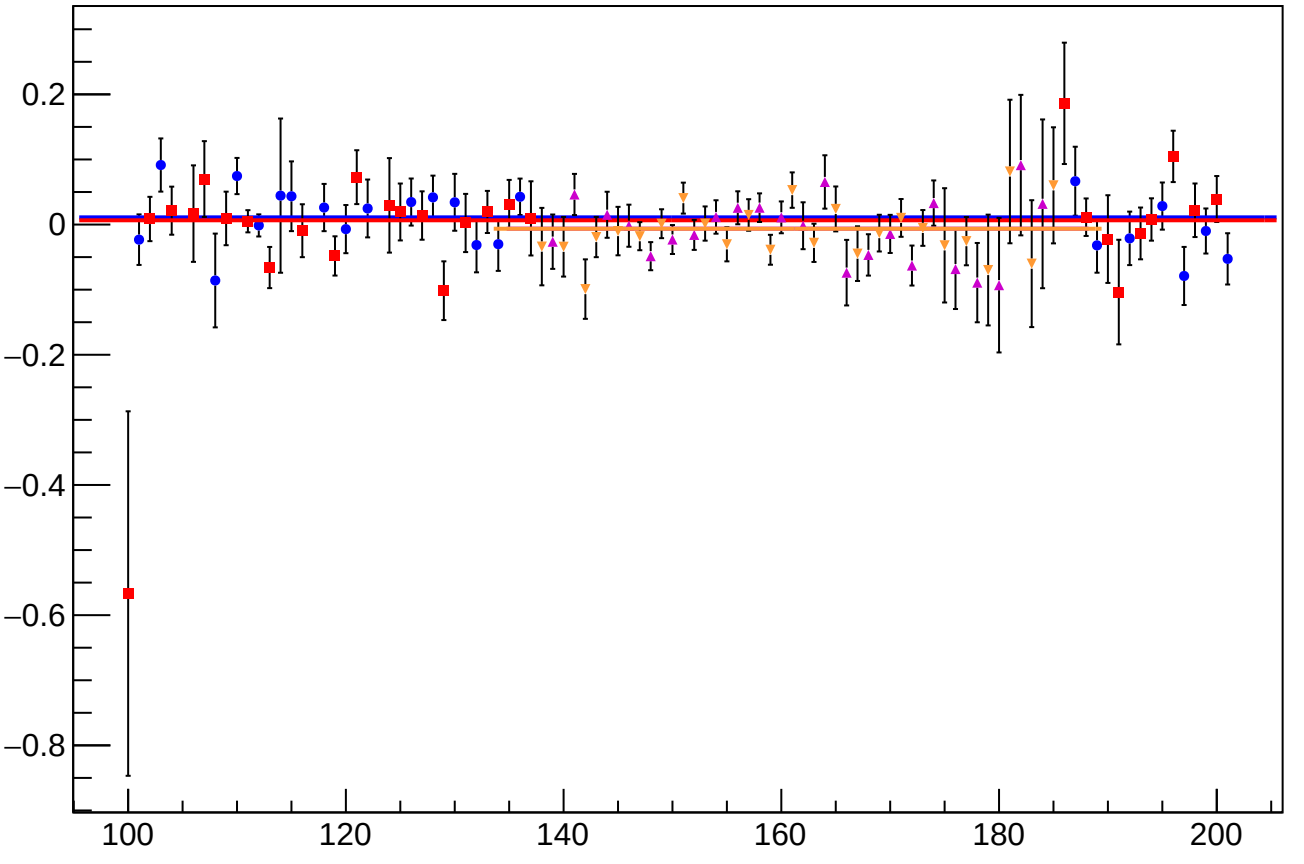
Right Out: 24.664+/-0.005 χ^2/NDF: 2650524.8/27

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.135+/-0.003 χ^2/NDF: 6607412.5/47

All: 25.255+/-0.002 χ^2/NDF: 12414258.3/98

- sign 25.375+/-0.003 χ^2/NDF: 5804435.7/50



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: 36.7/27

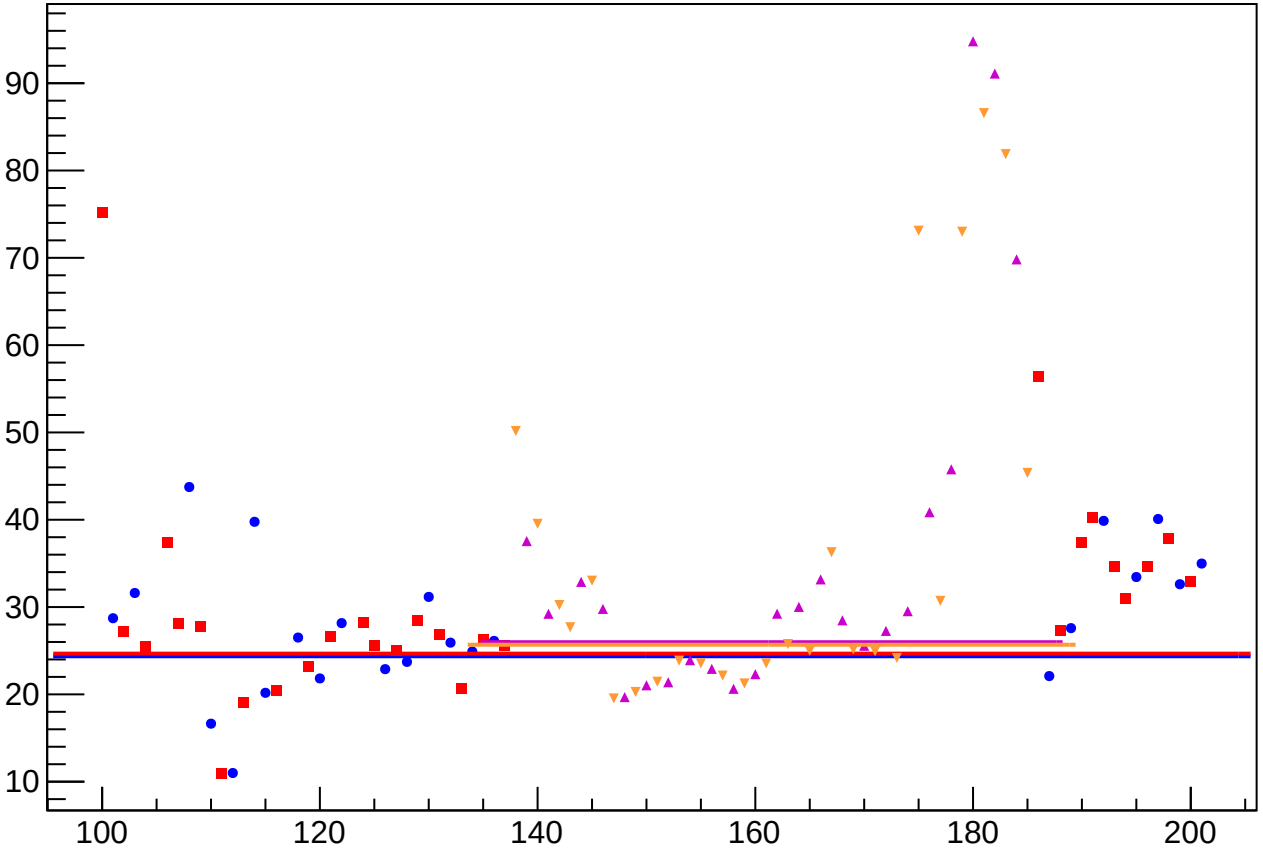
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.001+/-0.005 χ^2/NDF: 53.7/47

All: 0.000+/-0.003 χ^2/NDF: 120.6/98

- sign -0.000+/-0.005 χ^2/NDF: 66.8/50

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: 24.664+/-0.005 χ^2/NDF: 2650524.8/27

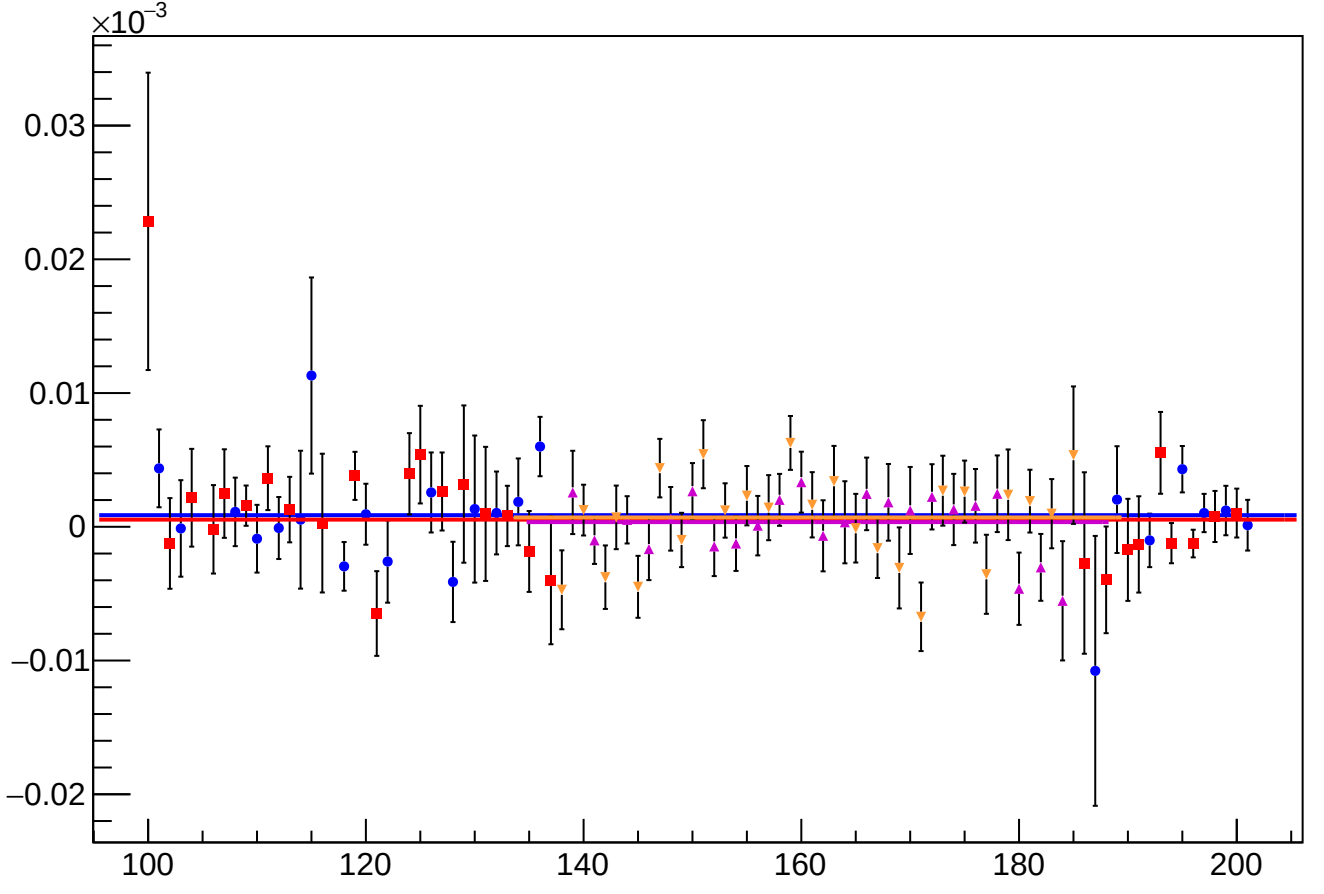
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.135+/-0.003 χ^2/NDF: 6607412.5/47

All: 25.255+/-0.002 χ^2/NDF: 12414258.3/98

- sign 25.375+/-0.003 χ^2/NDF: 5804435.7/50

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



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: 29.9/27

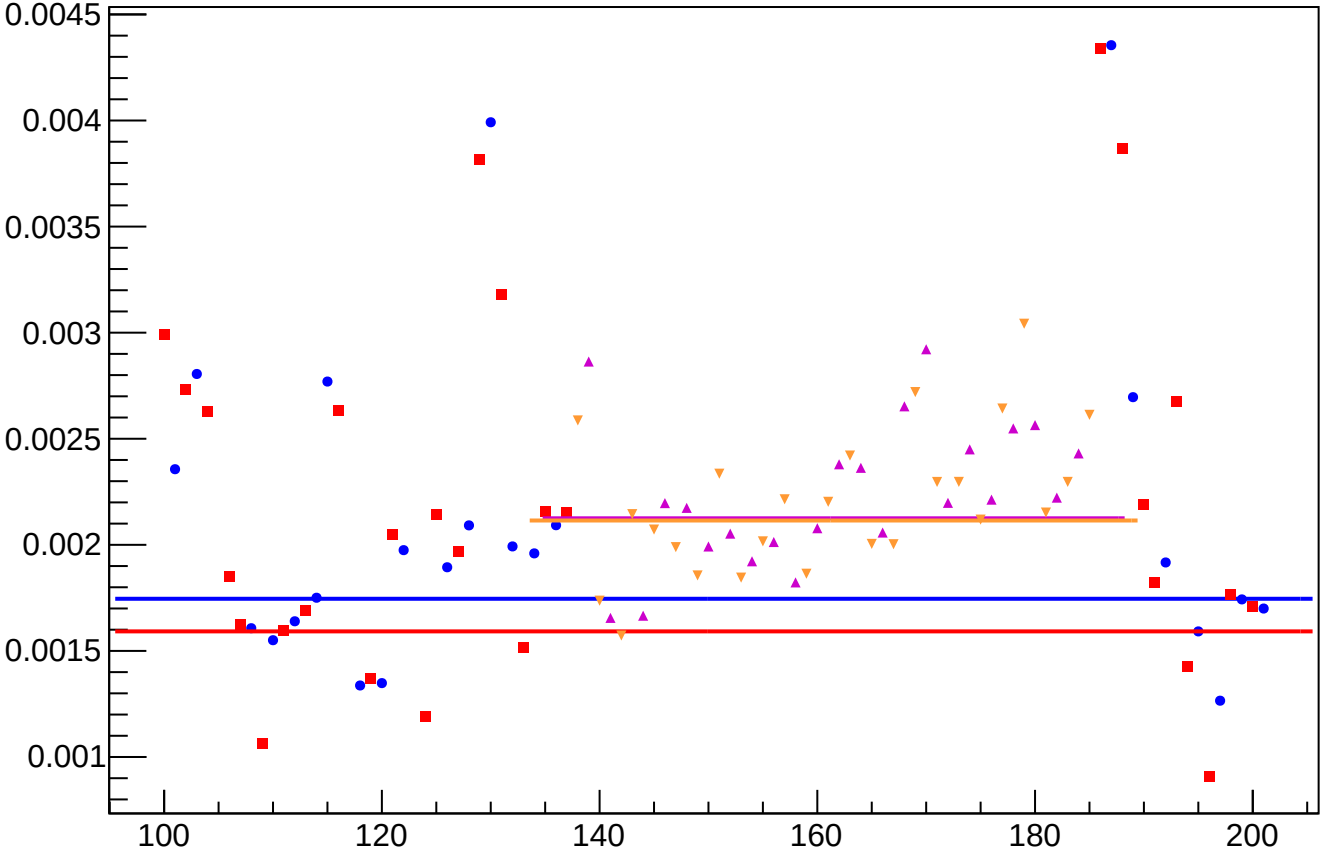
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.3/47

All: 0.000+/-0.000 χ^2/NDF: 116.1/98

- sign 0.000+/-0.000 χ^2/NDF: 46.4/50

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

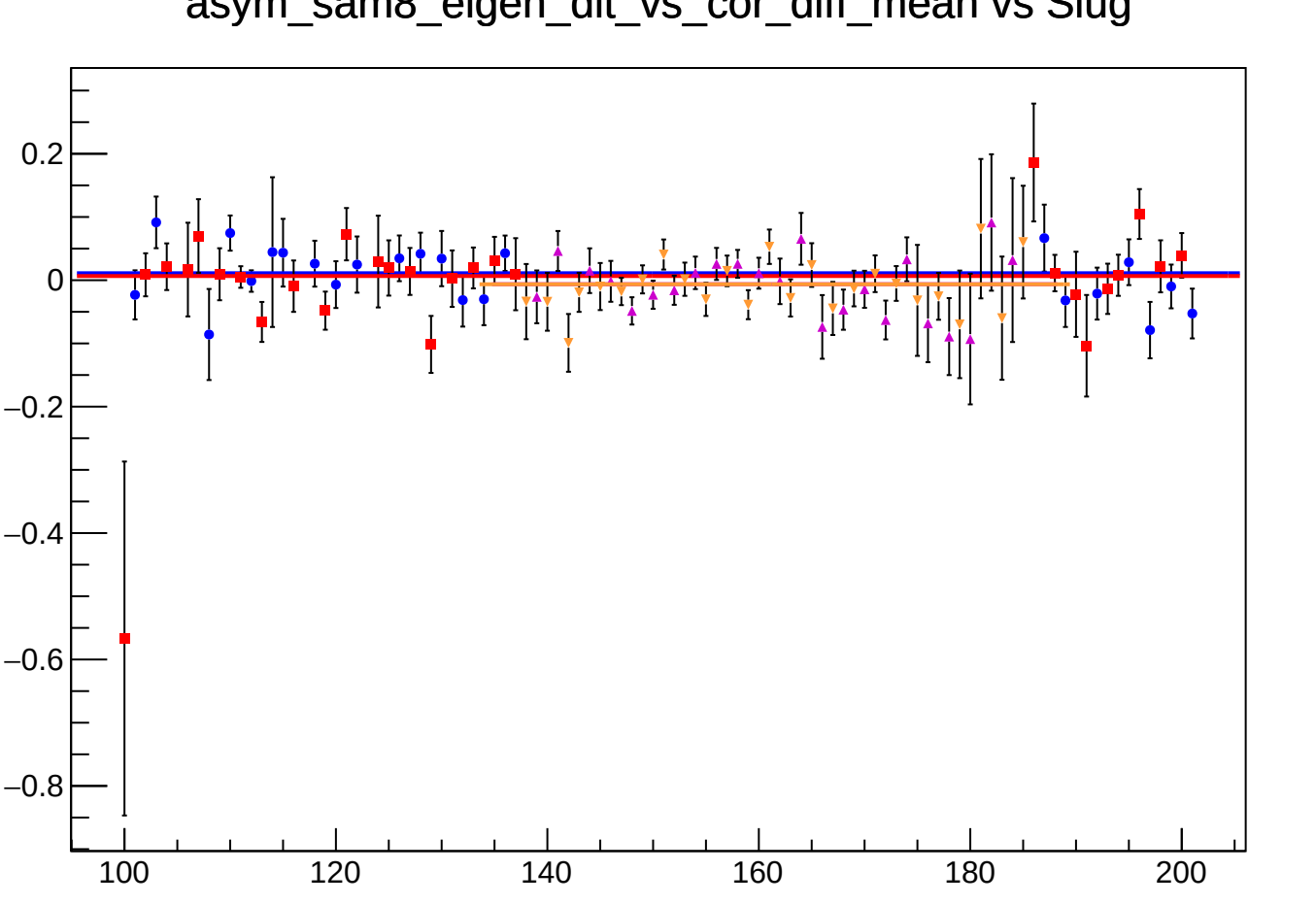
Right Out: 0.002+/-0.000 χ^2/NDF: 3747378.6/27

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: 8594925.9/98

- sign 0.002+/-0.000 χ^2/NDF: 5790502.2/50



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: 36.7/27

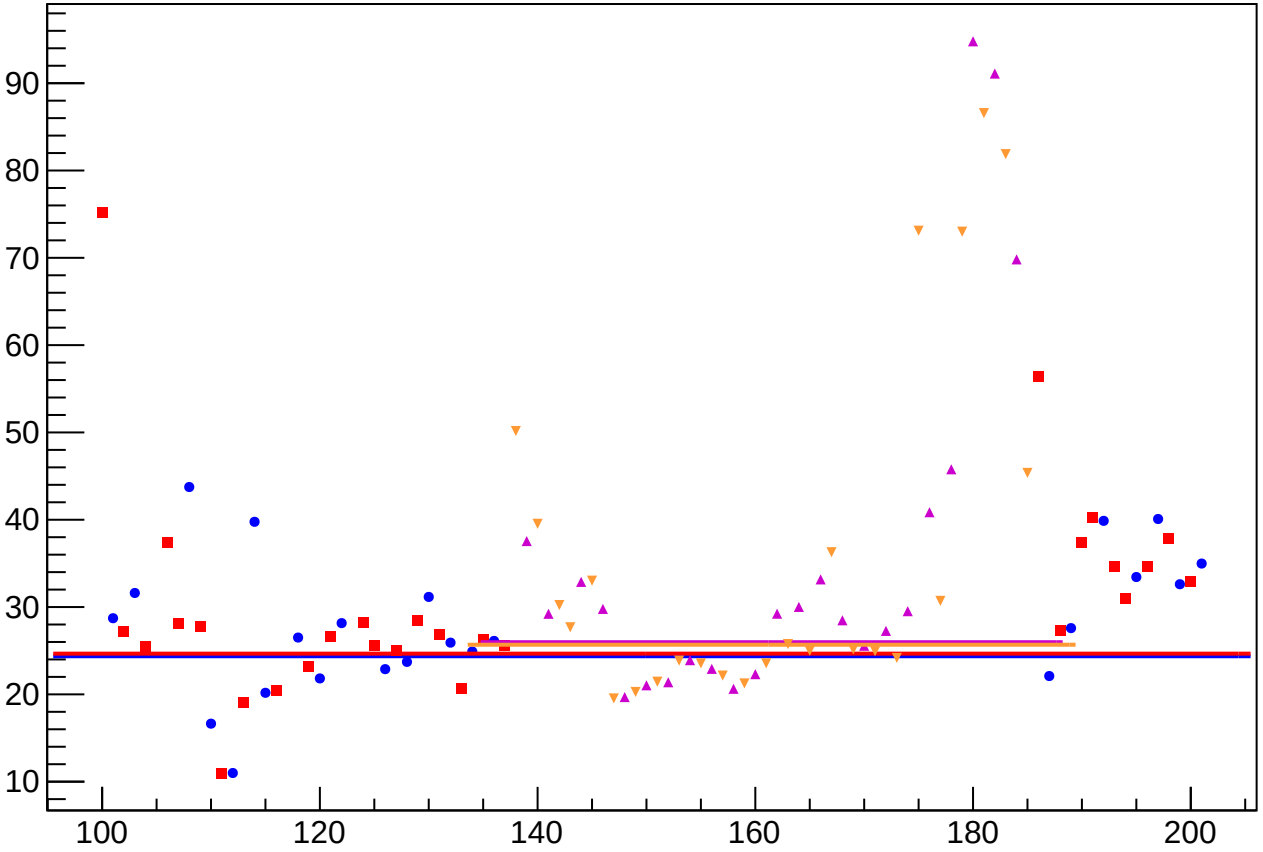
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.001+/-0.005 χ^2/NDF: 53.7/47

All: 0.000+/-0.003 χ^2/NDF: 120.6/98

- sign -0.000+/-0.005 χ^2/NDF: 66.8/50

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

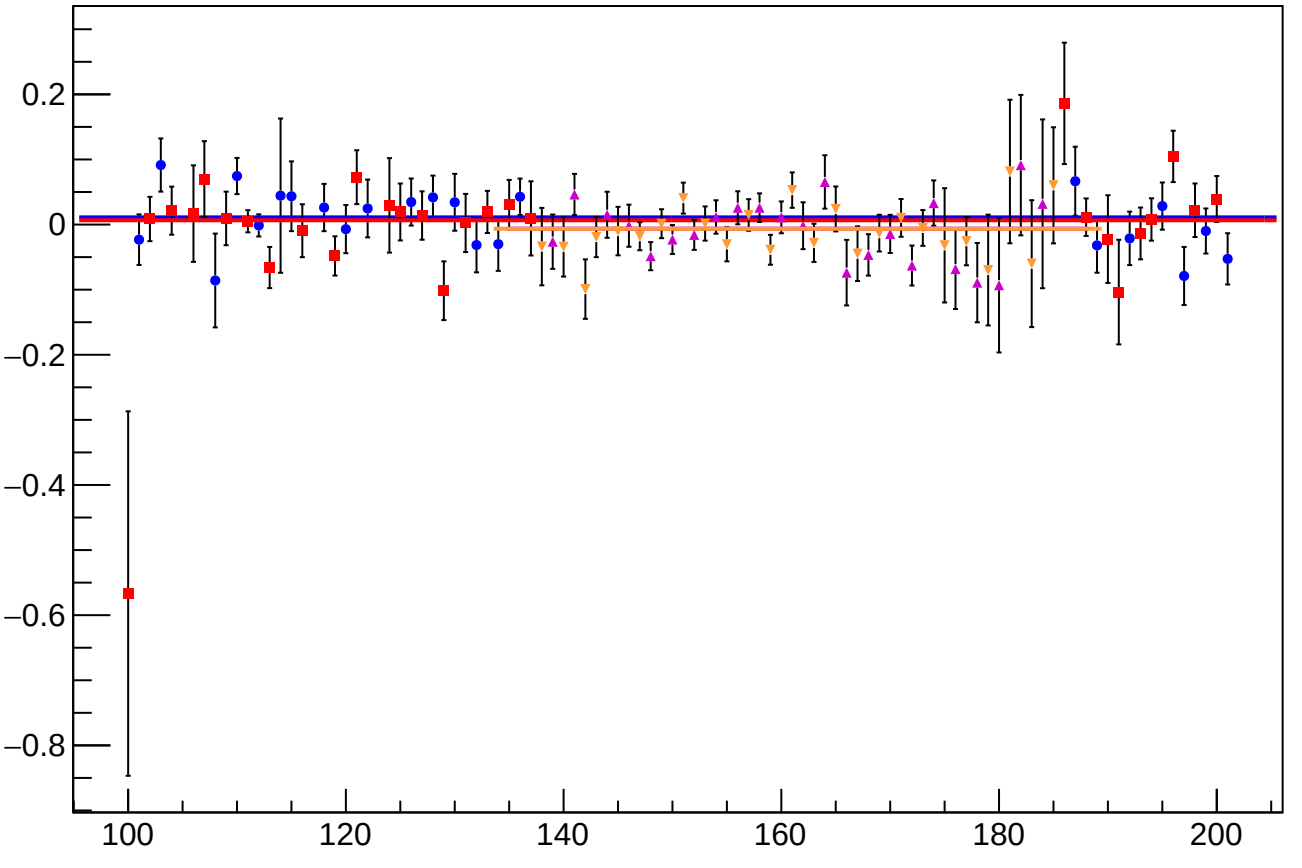
Right Out: 24.663+/-0.005 χ^2/NDF: 2650758.3/27

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.135+/-0.003 χ^2/NDF: 6607684.5/47

All: 25.254+/-0.002 χ^2/NDF: 12414784.9/98

- sign 25.374+/-0.003 χ^2/NDF: 5804691.1/50



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: 36.7/27

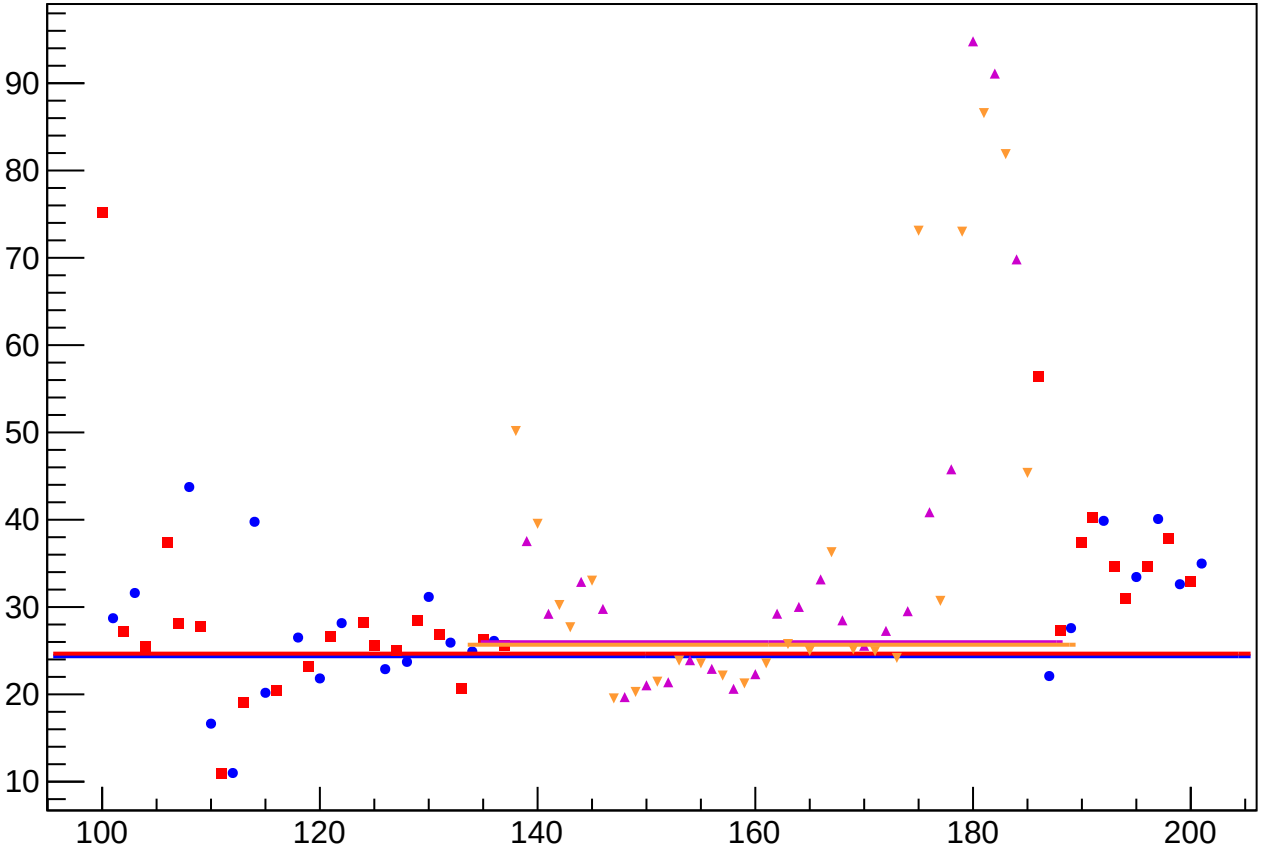
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.001+/-0.005 χ^2/NDF: 53.7/47

All: 0.000+/-0.003 χ^2/NDF: 120.6/98

- sign -0.000+/-0.005 χ^2/NDF: 66.8/50

asym_sam8_eigen_dit_vs_eigen_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

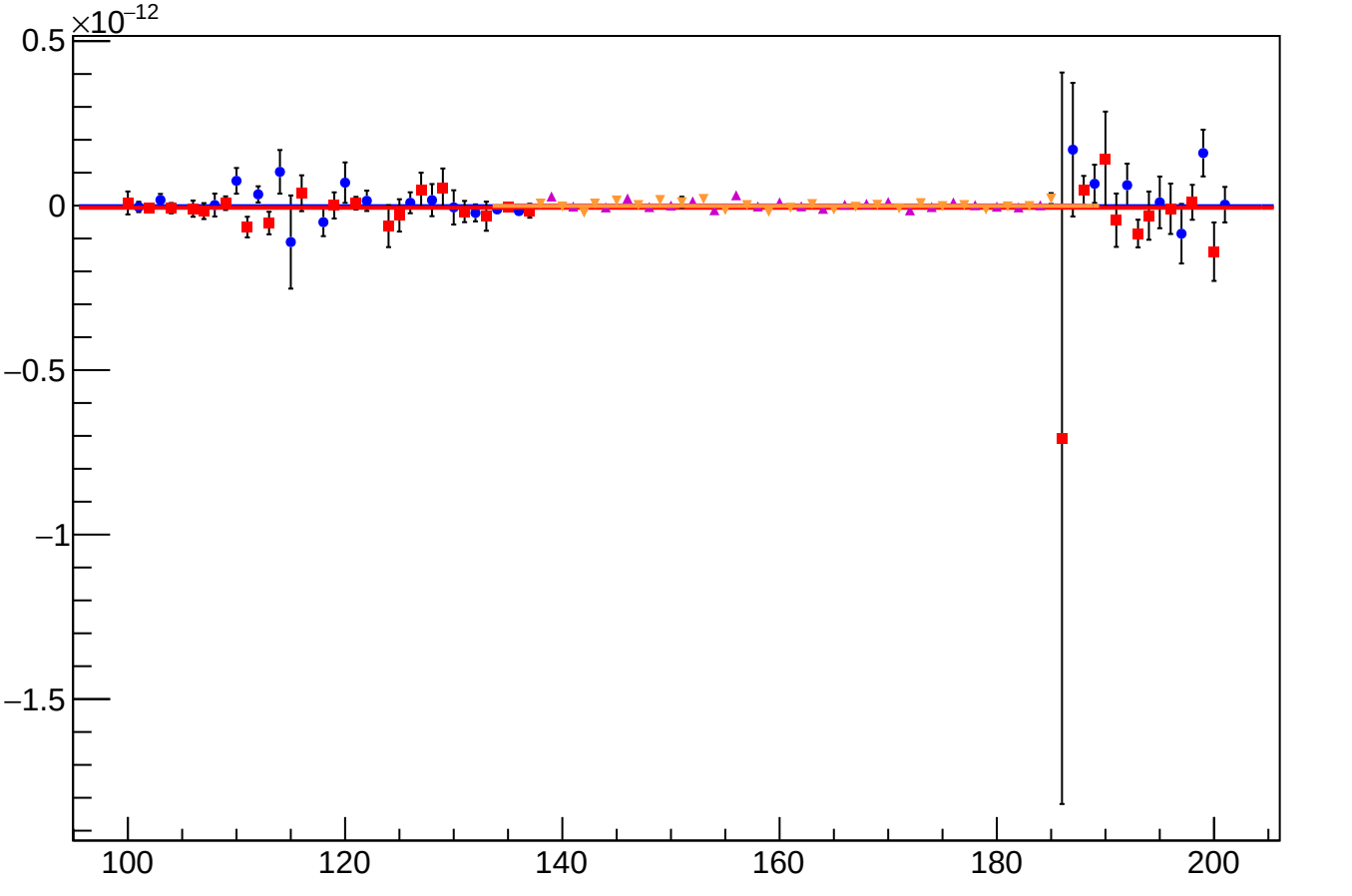
Right Out: 24.663+/-0.005 χ^2/NDF: 2650758.3/27

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.135+/-0.003 χ^2/NDF: 6607684.5/47

All: 25.254+/-0.002 χ^2/NDF: 12414784.9/98

- sign 25.374+/-0.003 χ^2/NDF: 5804691.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

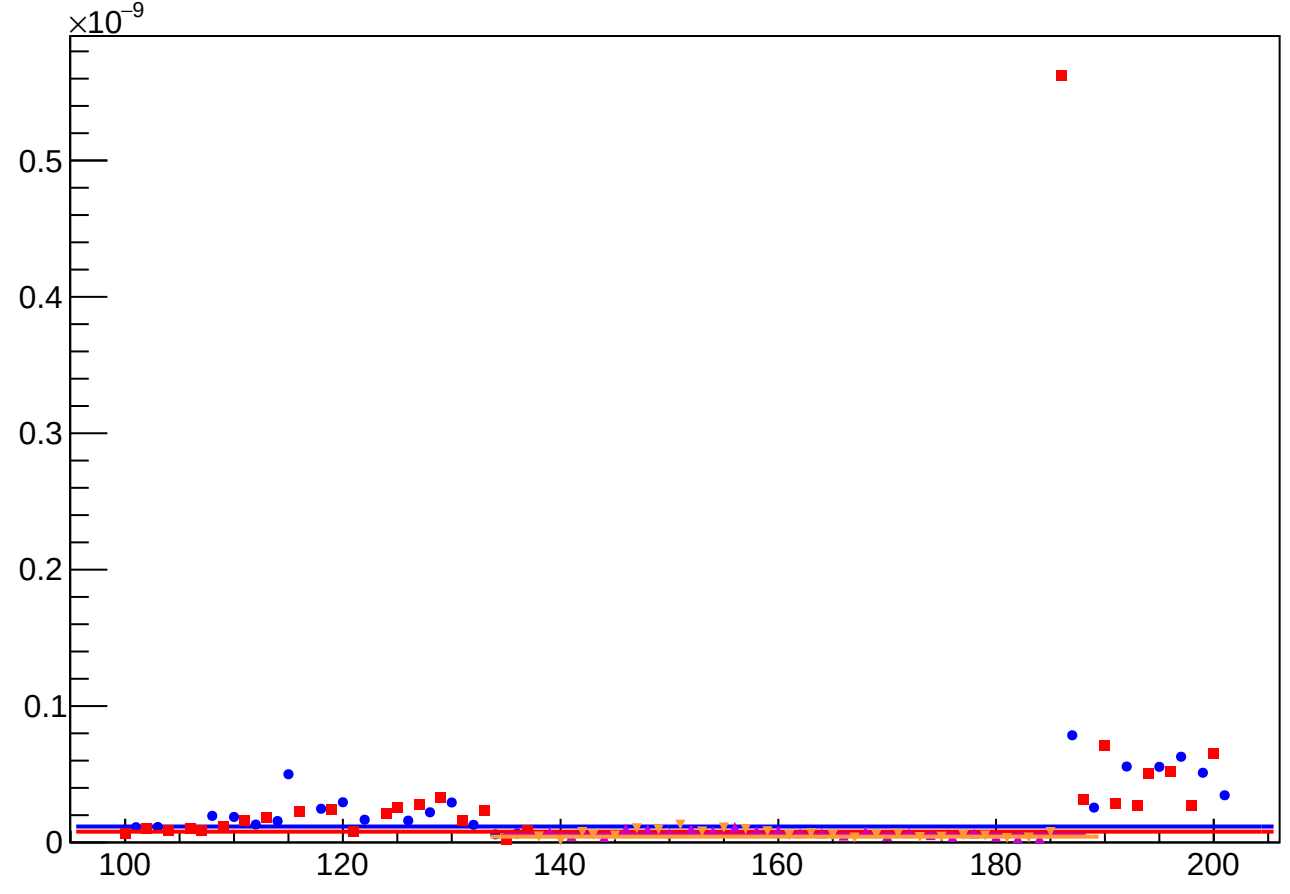
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/27

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: 107.7/98

- sign -0.000+/-0.000 χ^2/NDF: 52.4/50



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: 8572068.2/27

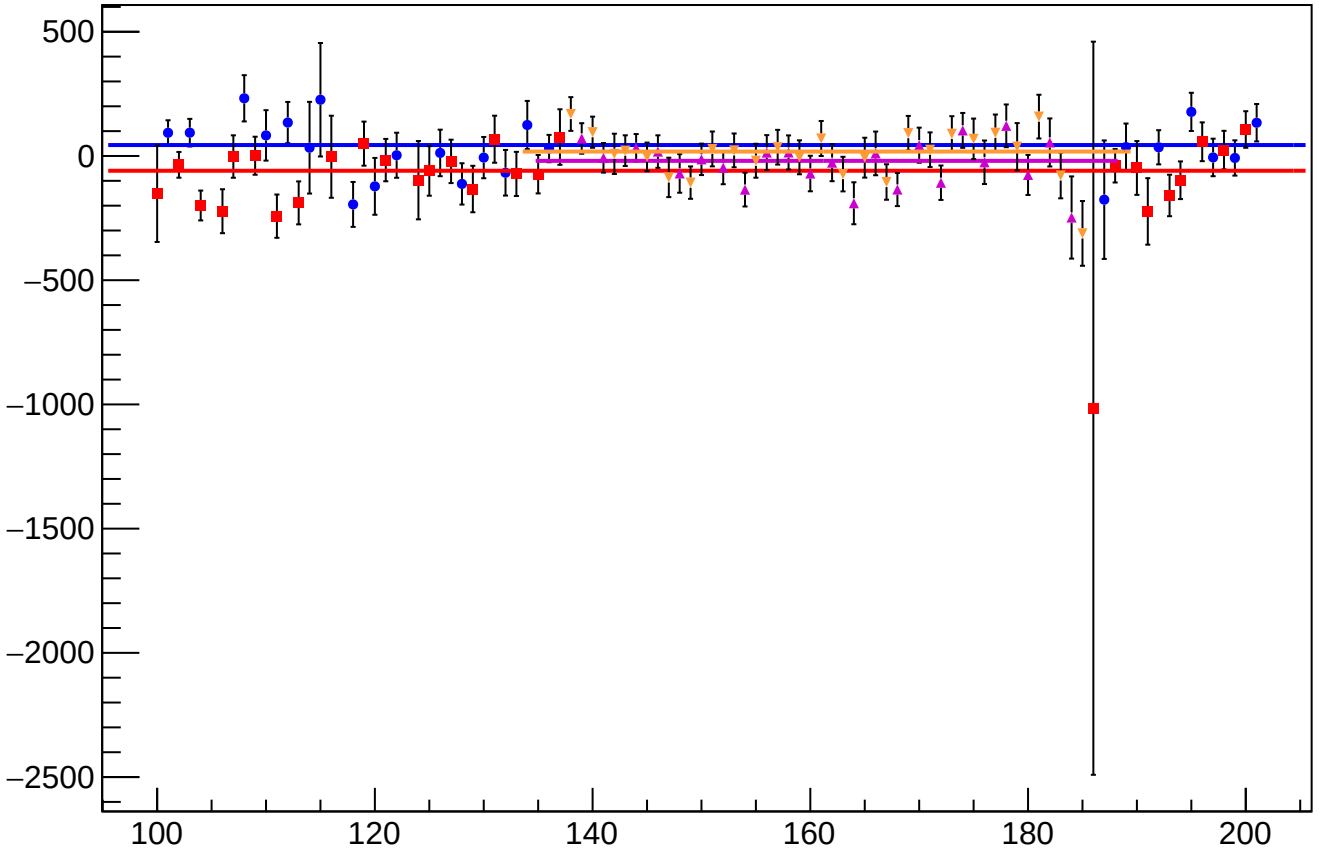
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14501298.7/47

All: 0.000+/-0.000 χ^2/NDF: 27000189.4/98

- sign 0.000+/-0.000 χ^2/NDF: 11966553.1/50

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: -59.438+/-16.340 χ^2/NDF: 35.2/27

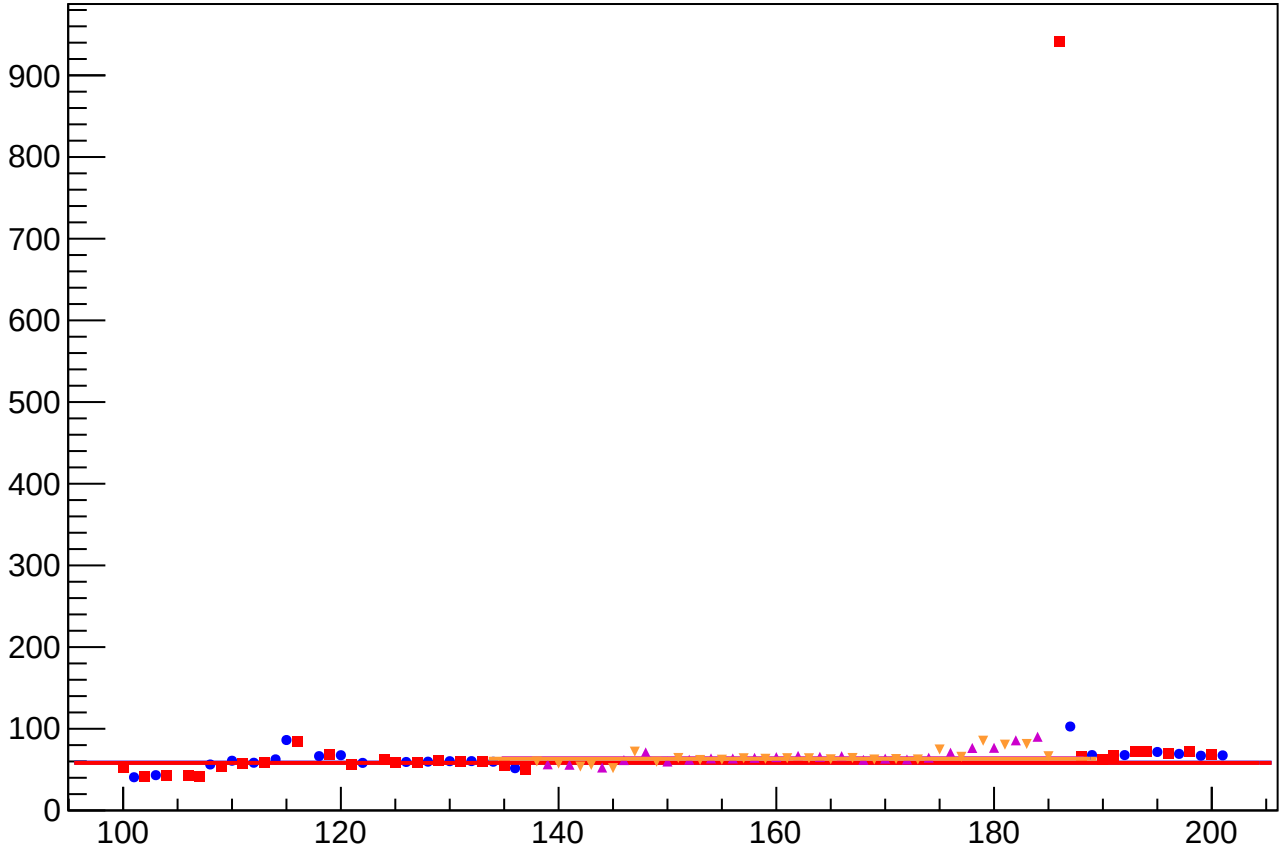
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.847+/-11.031 χ^2/NDF: 62.6/47

All: -4.418+/-7.812 χ^2/NDF: 145.5/98

- sign -37.895+/-11.066 χ^2/NDF: 64.7/50

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: 58.228+/-0.012 χ^2/NDF: 1603518.8/27

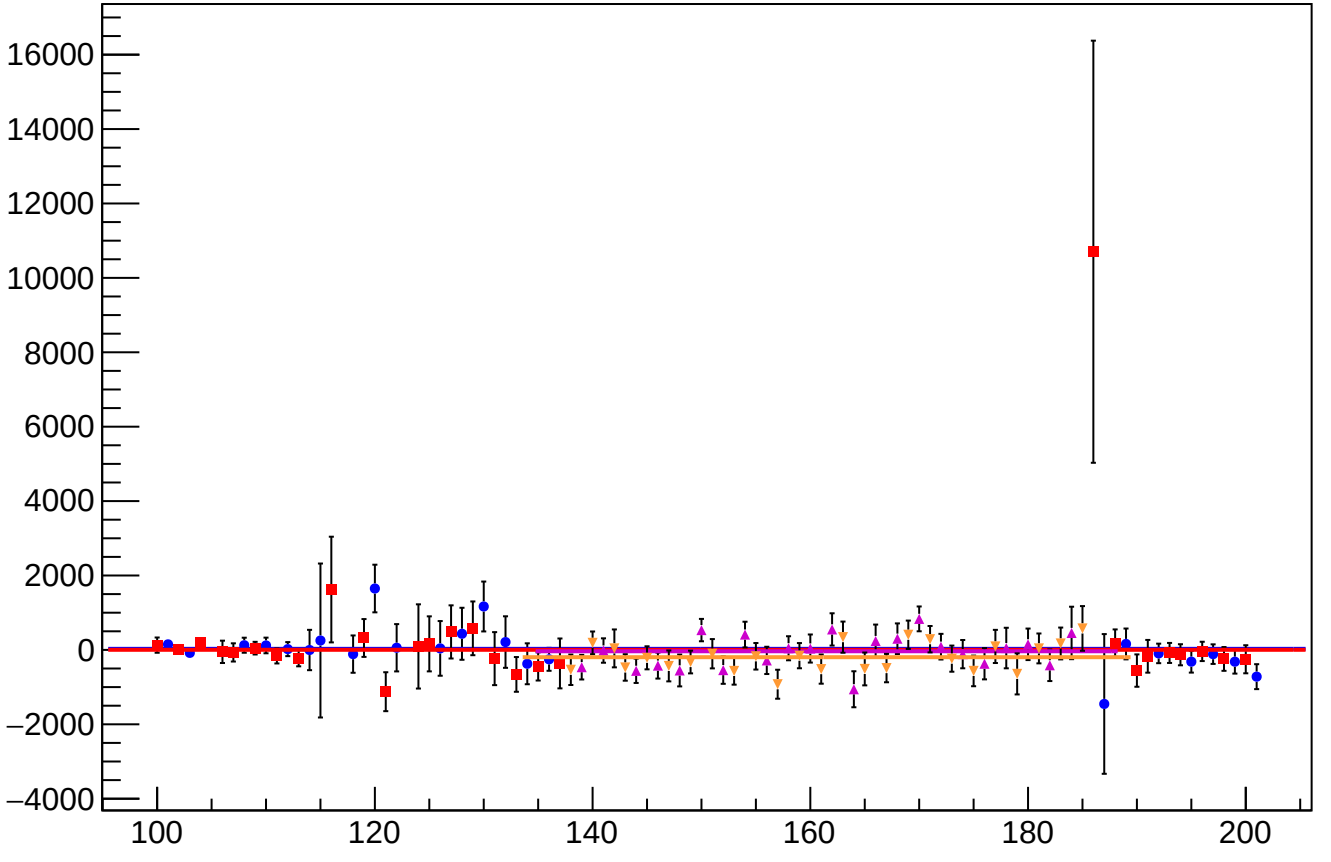
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.303+/-0.008 χ^2/NDF: 1363201.0/47

All: 61.306+/-0.006 χ^2/NDF: 3543334.9/98

- sign 61.308+/-0.008 χ^2/NDF: 2180133.6/50

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: 2.865+/-46.070 χ^2/NDF: 25.2/27

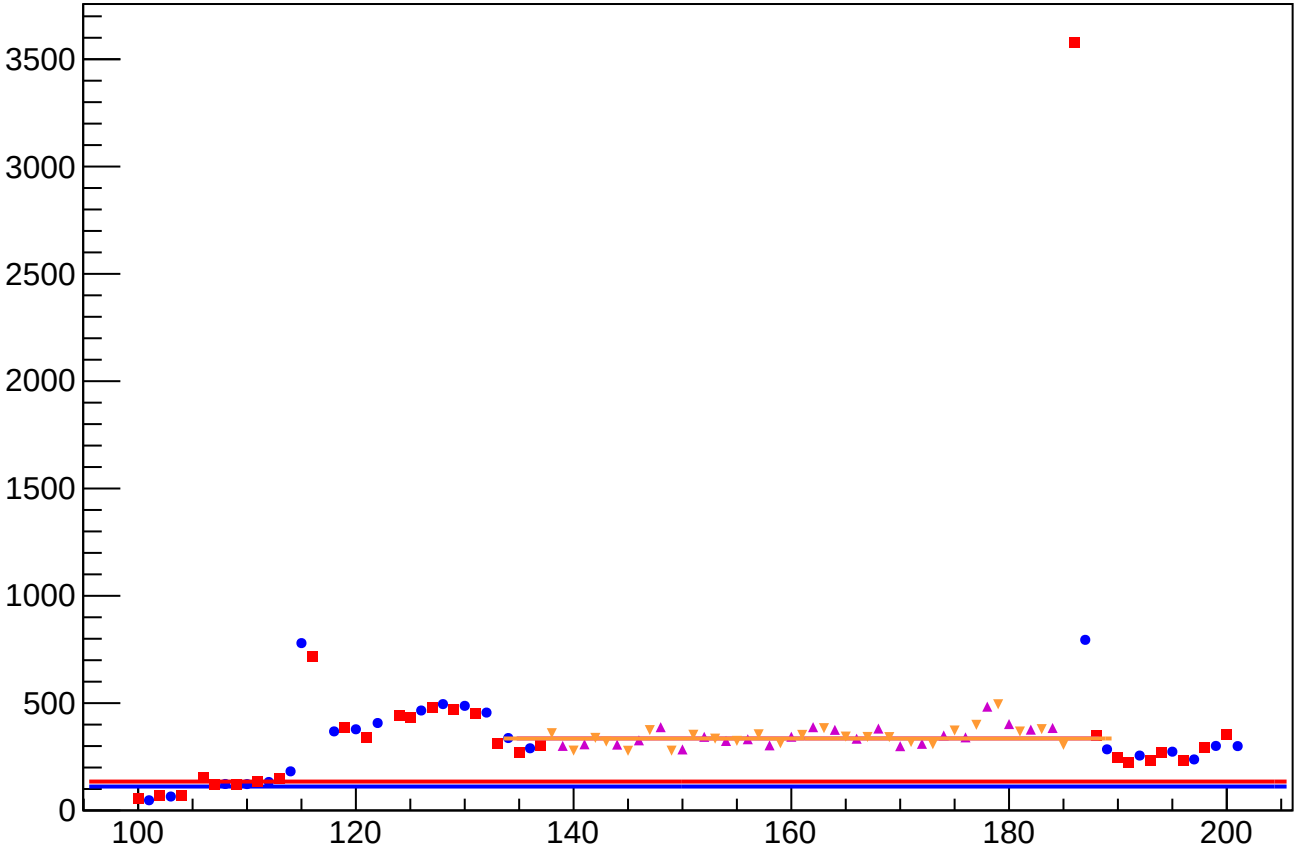
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -26.068+/-37.891 χ^2/NDF: 52.1/47

All: -17.039+/-27.451 χ^2/NDF: 108.7/98

- sign -7.065+/-39.824 χ^2/NDF: 56.5/50

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: 134.596+/-0.033 χ^2/NDF: 9720605.9/27

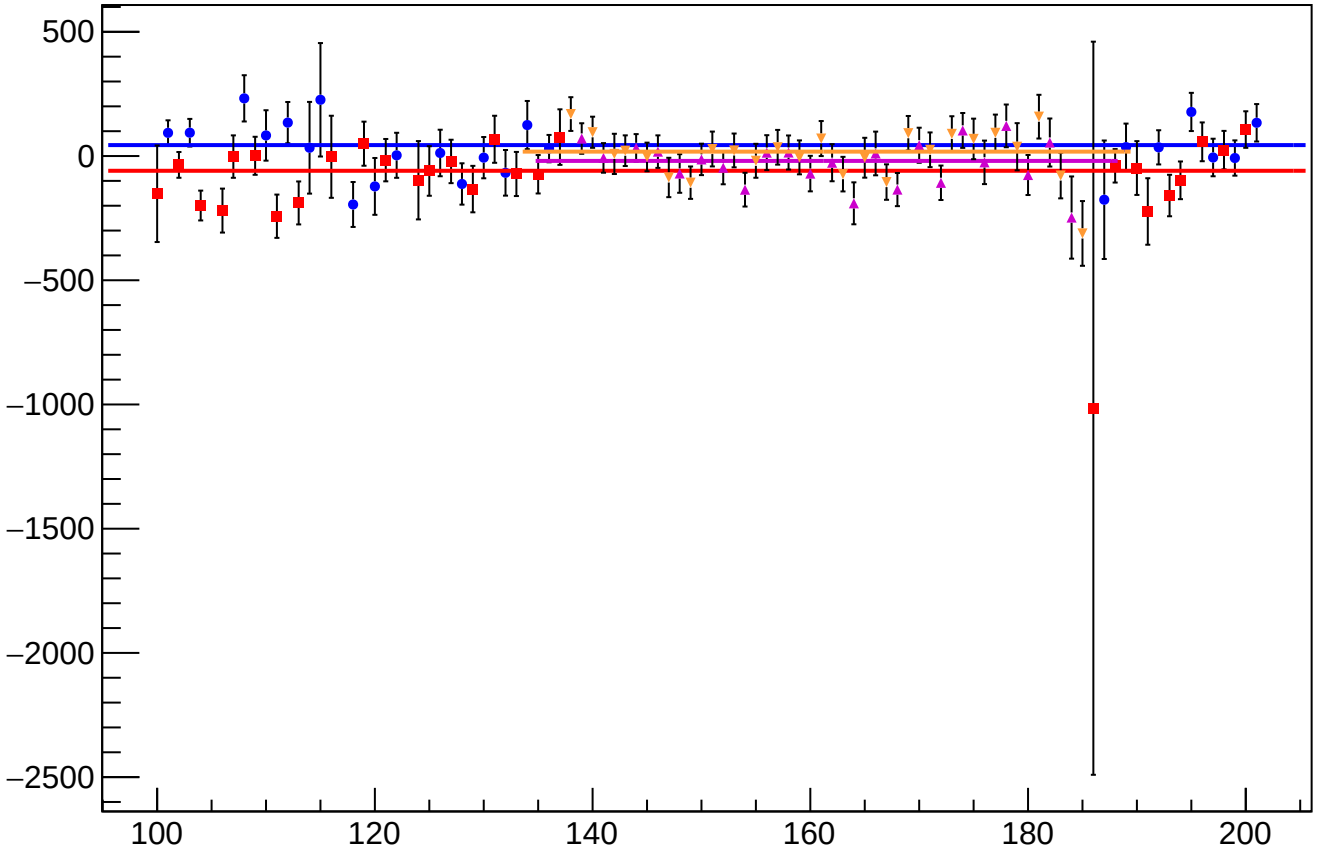
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 165.494+/-0.027 χ^2/NDF: 24106668.7/47

All: 174.945+/-0.019 χ^2/NDF: 44200755.2/98

- sign 185.386+/-0.028 χ^2/NDF: 19832186.9/50

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: -59.345+/-16.340 χ^2/NDF: 35.1/27

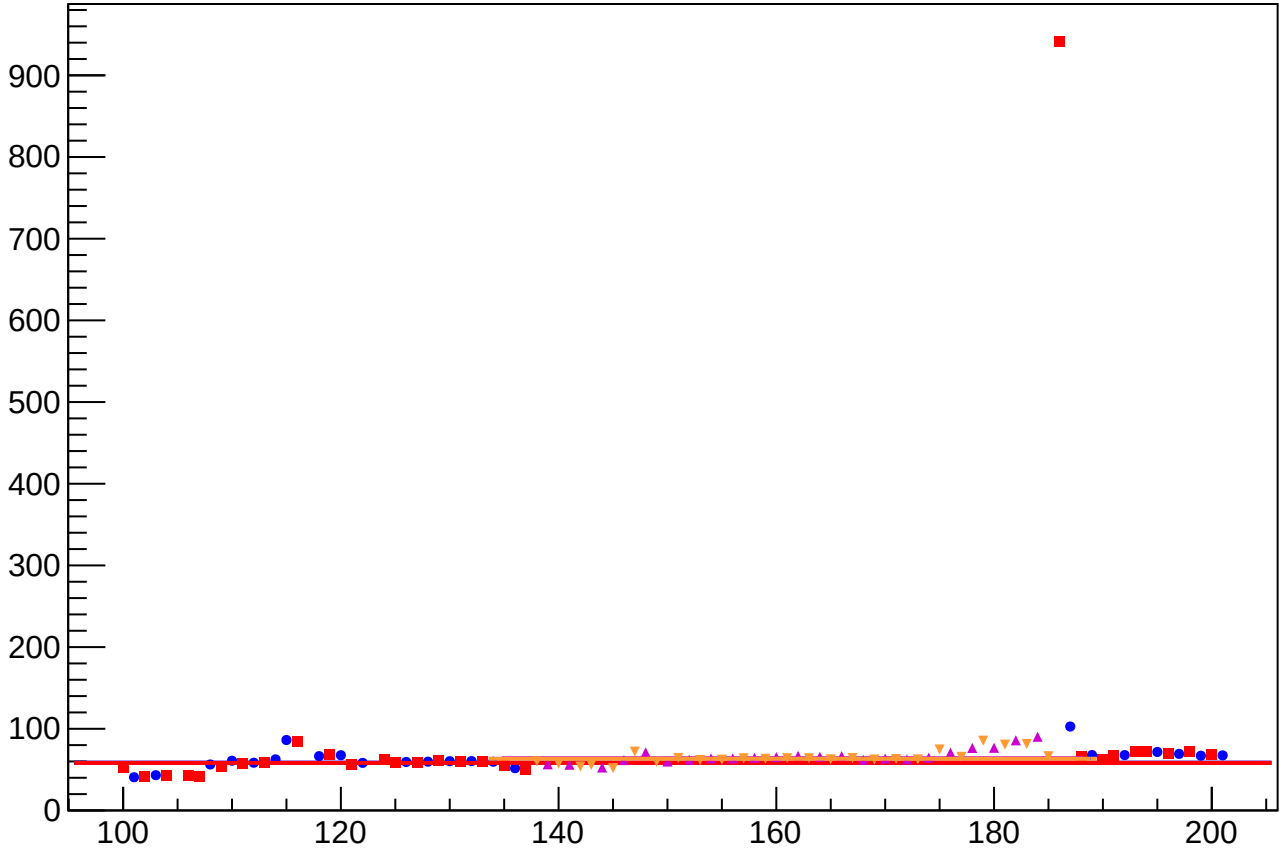
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.853+/-11.031 χ^2/NDF: 62.6/47

All: -4.392+/-7.812 χ^2/NDF: 145.3/98

- sign -37.851+/-11.066 χ^2/NDF: 64.5/50

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: 58.227+/-0.012 χ^2/NDF: 1603928.0/27

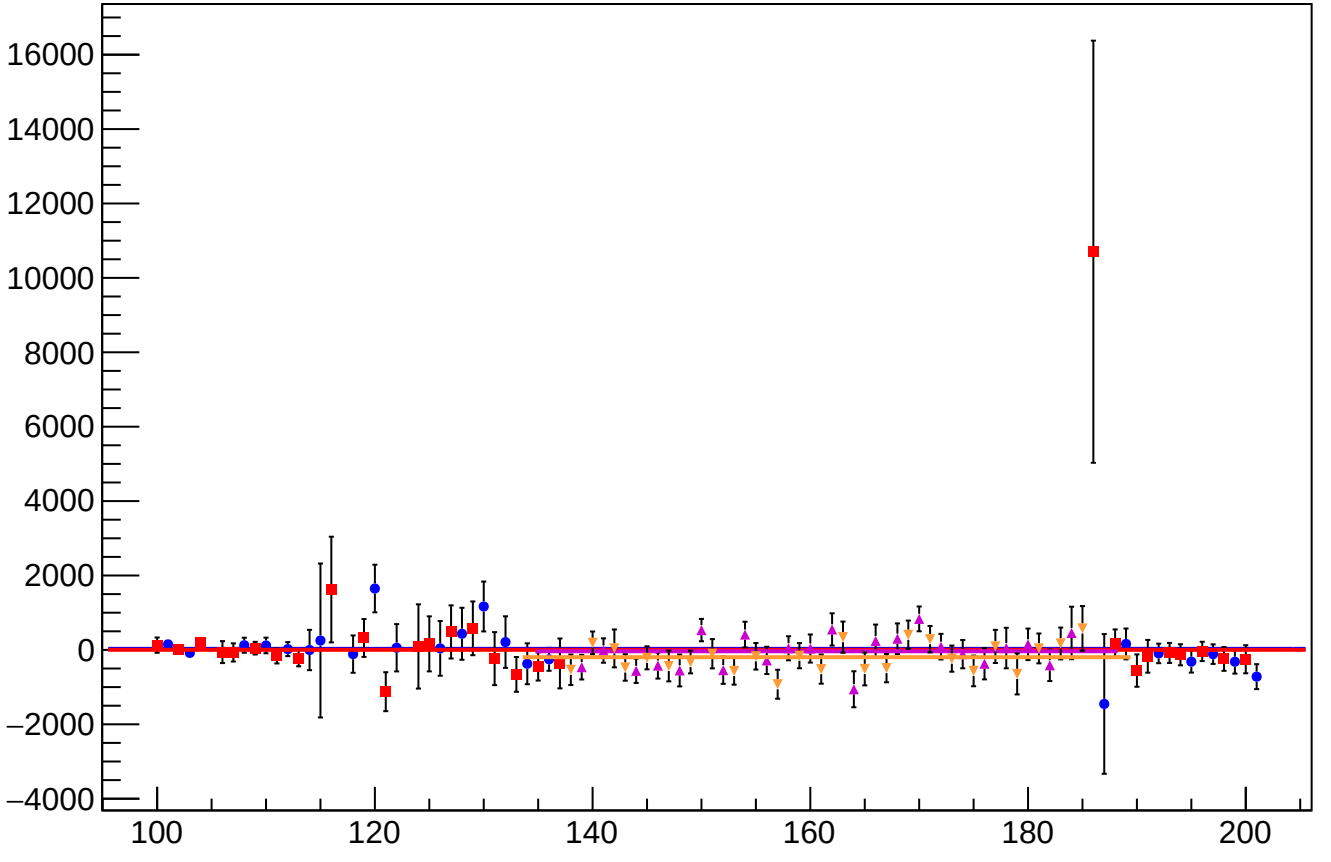
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.303+/-0.008 χ^2/NDF: 1363199.9/47

All: 61.305+/-0.006 χ^2/NDF: 3543783.2/98

\- sign 61.308+/-0.008 χ^2/NDF: 2180583.0/50

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: 2.528+/-46.037 χ^2/NDF: 25.2/27

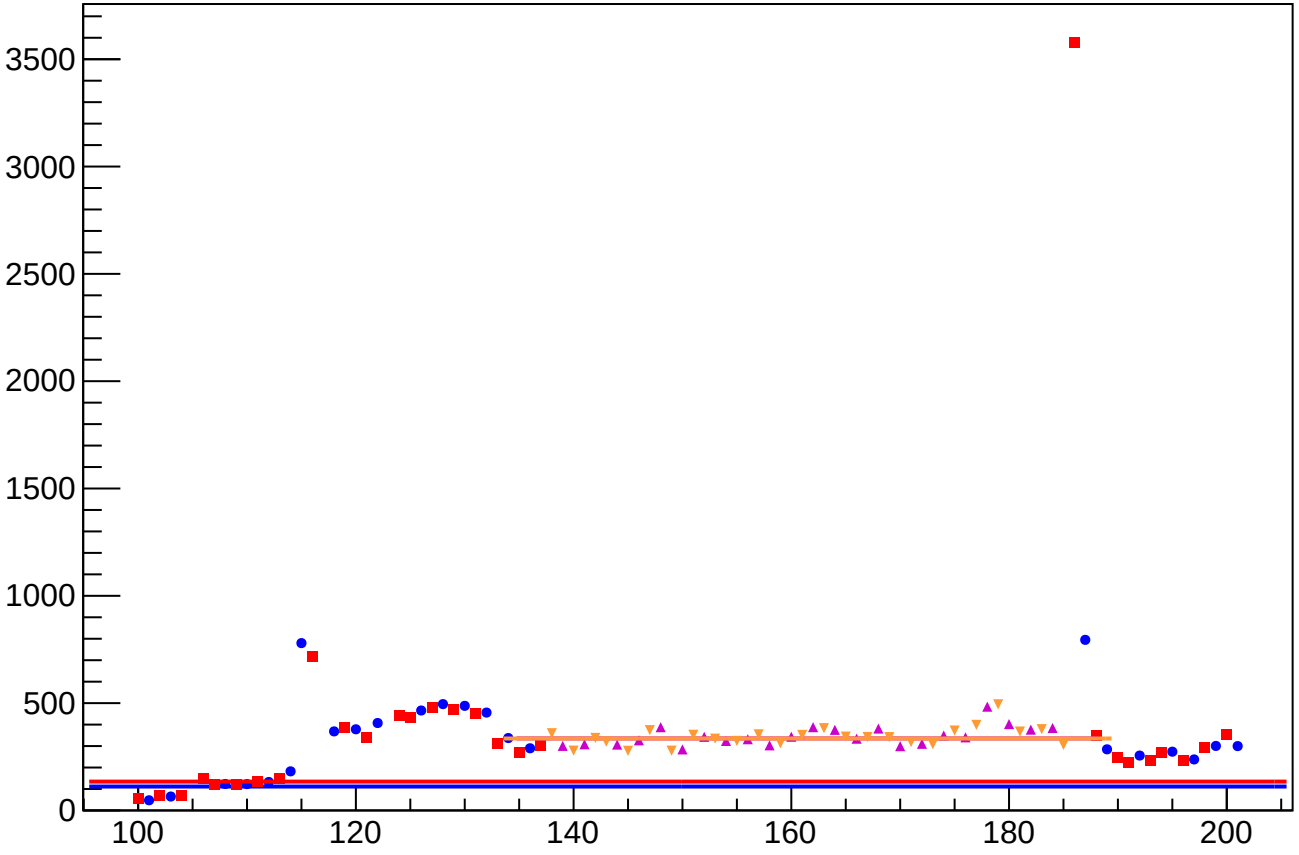
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -26.061+/-37.891 χ^2/NDF: 52.1/47

All: -17.145+/-27.444 χ^2/NDF: 108.7/98

- sign -7.305+/-39.803 χ^2/NDF: 56.5/50

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: 134.409+/-0.033 χ^2/NDF: 9720950.0/27

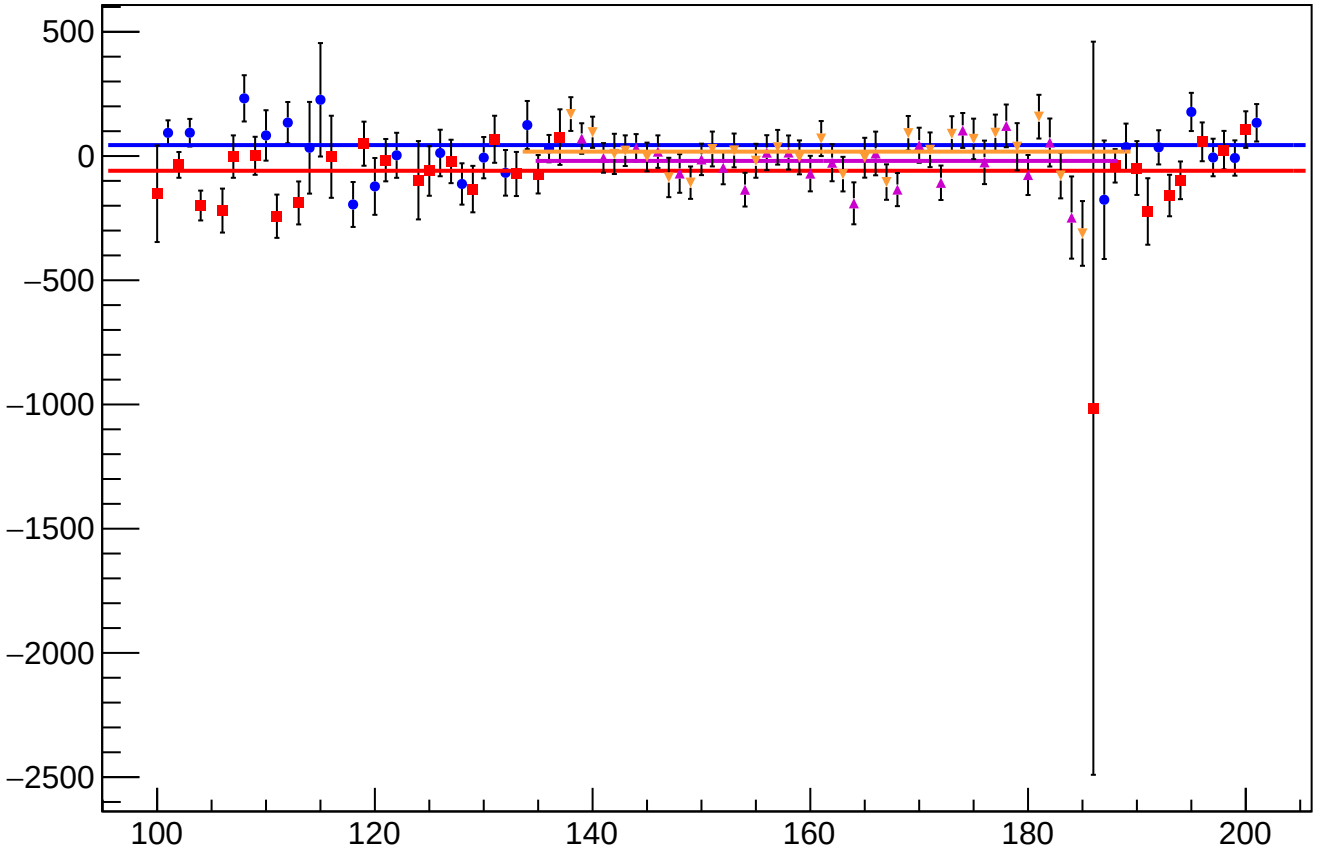
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 165.490+/-0.027 χ^2/NDF: 24107357.5/47

All: 174.856+/-0.019 χ^2/NDF: 44218359.8/98

- sign 185.191+/-0.028 χ^2/NDF: 19853942.3/50

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: -59.345+/-16.340 χ^2/NDF: 35.1/27

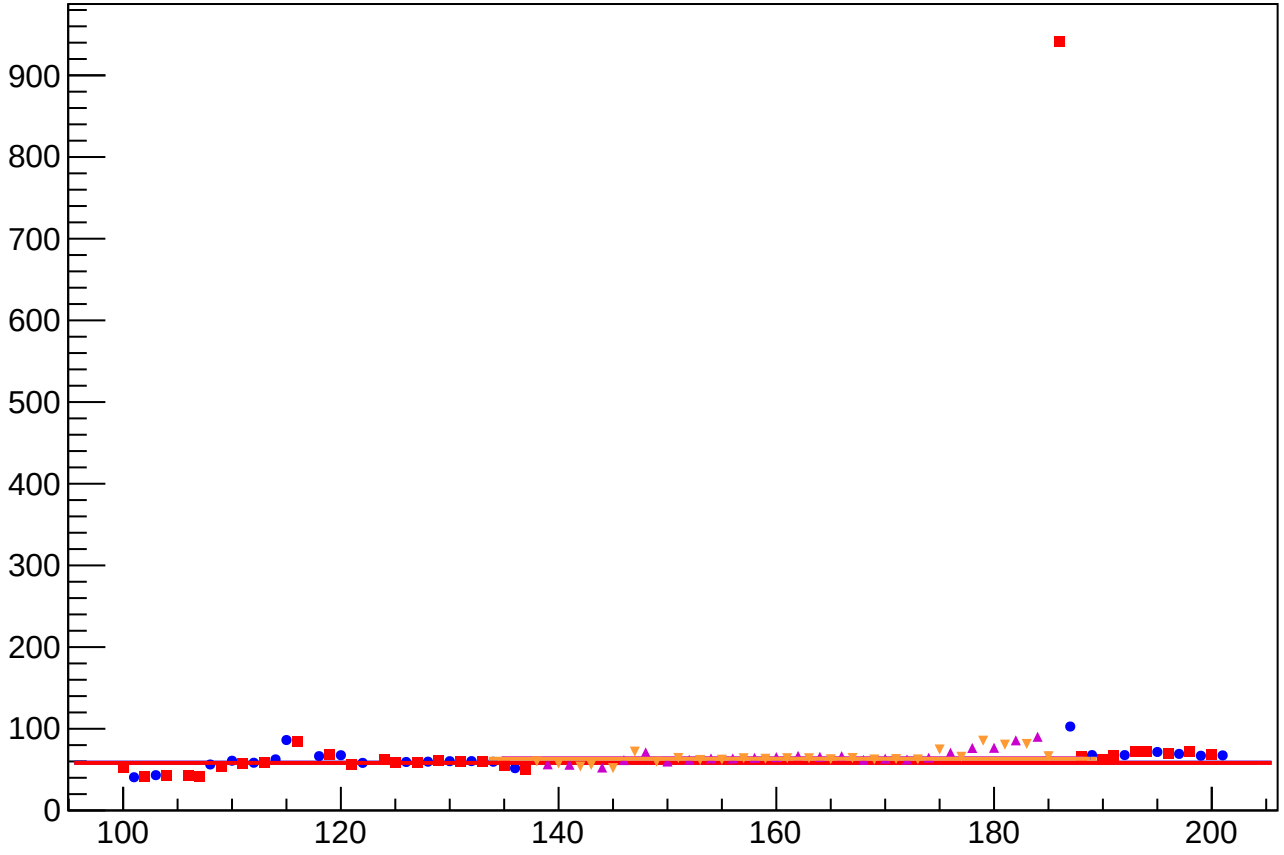
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.853+/-11.031 χ^2/NDF: 62.6/47

All: -4.392+/-7.812 χ^2/NDF: 145.3/98

- sign -37.851+/-11.066 χ^2/NDF: 64.5/50

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

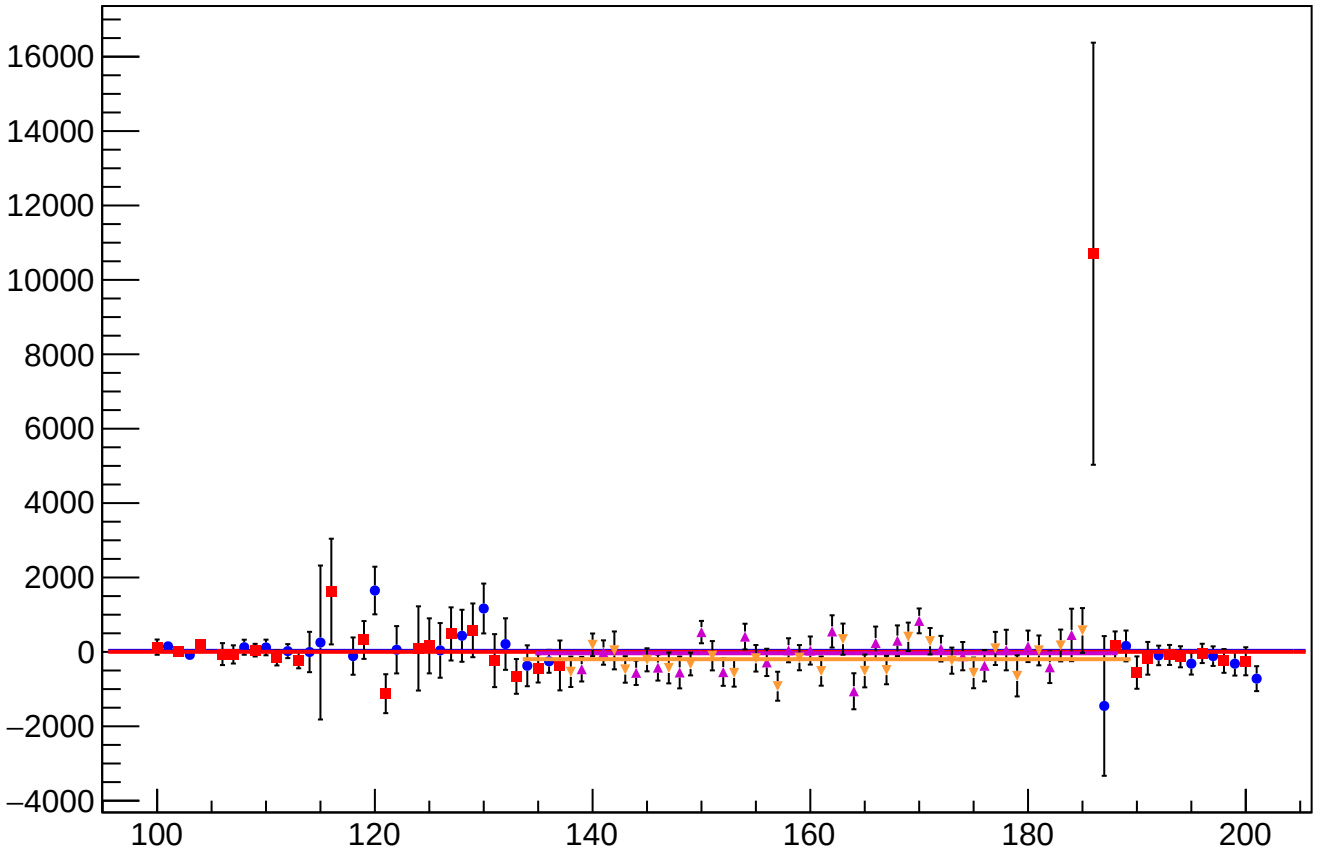
Right Out: 58.227+/-0.012 χ^2/NDF: 1603928.0/27

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.303+/-0.008 χ^2/NDF: 1363199.9/47

All: 61.305+/-0.006 χ^2/NDF: 3543783.2/98

- sign 61.308+/-0.008 χ^2/NDF: 2180583.0/50



Right In: 28.055+/-43.509 χ^2/NDF: 25.1/22

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

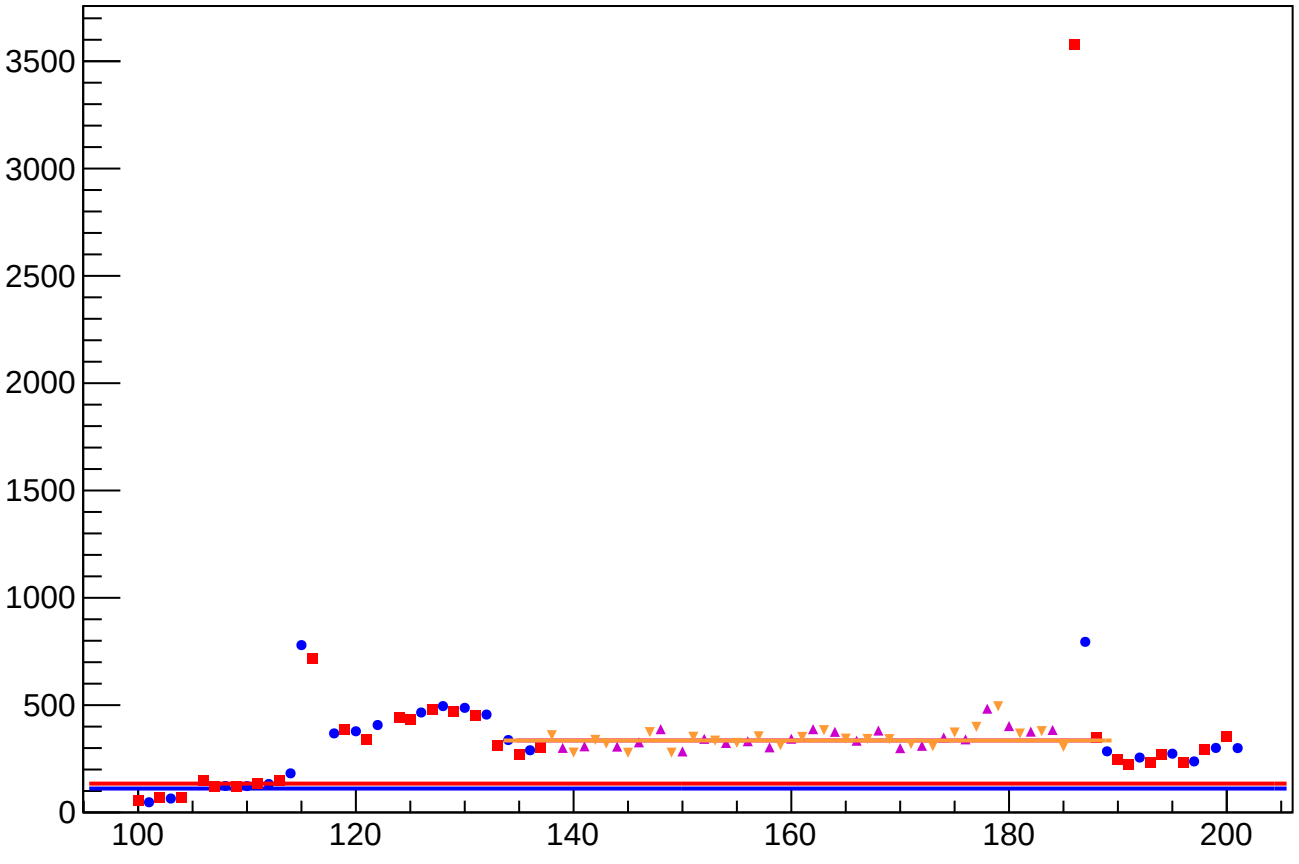
Right Out: 2.528+/-46.037 χ^2/NDF: 25.2/27

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -26.061+/-37.891 χ^2/NDF: 52.1/47

All: -17.145+/-27.444 χ^2/NDF: 108.7/98

- sign -7.305+/-39.803 χ^2/NDF: 56.5/50



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: 134.409+/-0.033 χ^2/NDF: 9720950.0/27

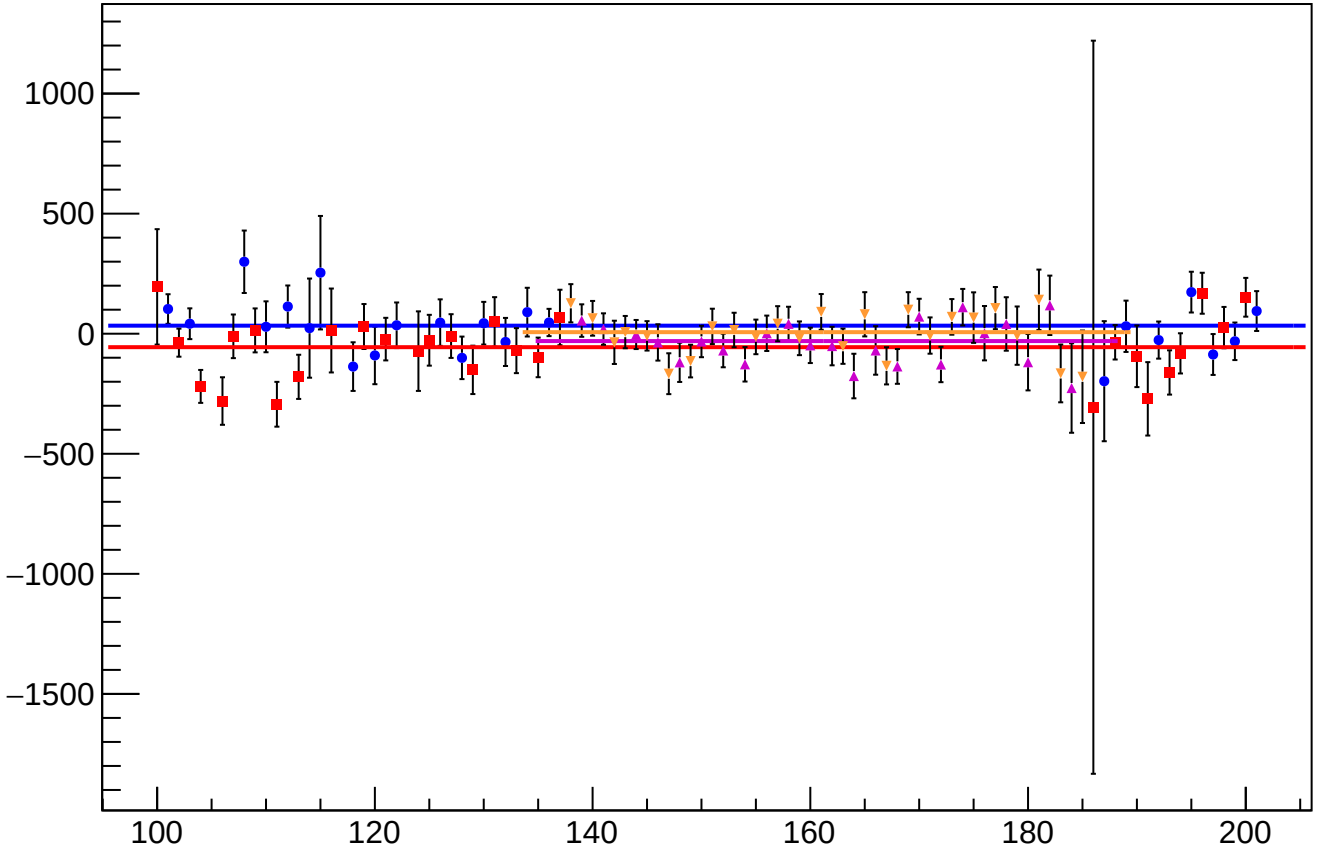
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 165.490+/-0.027 χ^2/NDF: 24107357.5/47

All: 174.856+/-0.019 χ^2/NDF: 44218359.8/98

- sign 185.191+/-0.028 χ^2/NDF: 19853942.3/50

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: -56.092+/-17.867 χ^2/NDF: 44.0/27

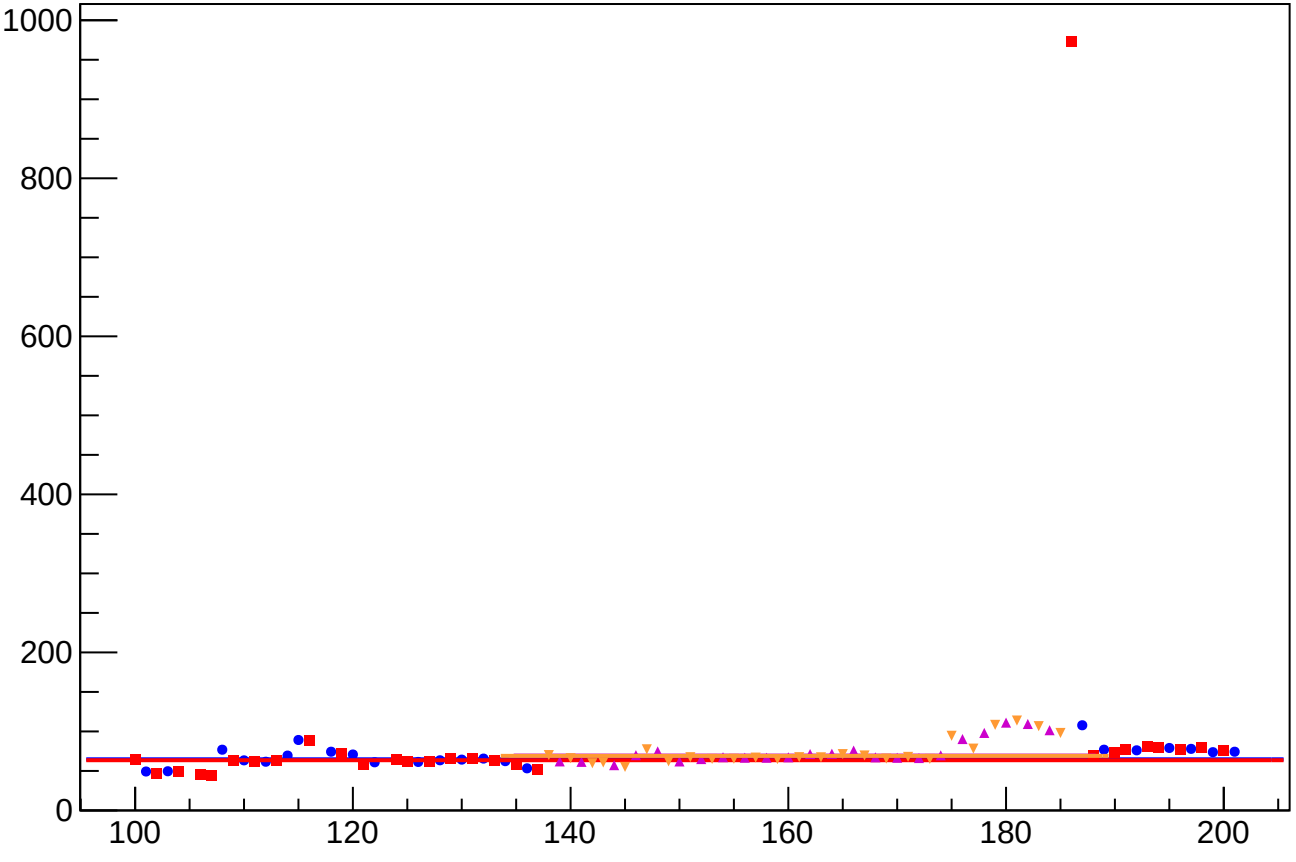
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.789+/-12.174 χ^2/NDF: 47.9/47

All: -12.417+/-8.590 χ^2/NDF: 127.7/98

- sign -42.369+/-12.123 χ^2/NDF: 67.6/50

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: 63.585+/-0.013 χ^2/NDF: 1561109.9/27

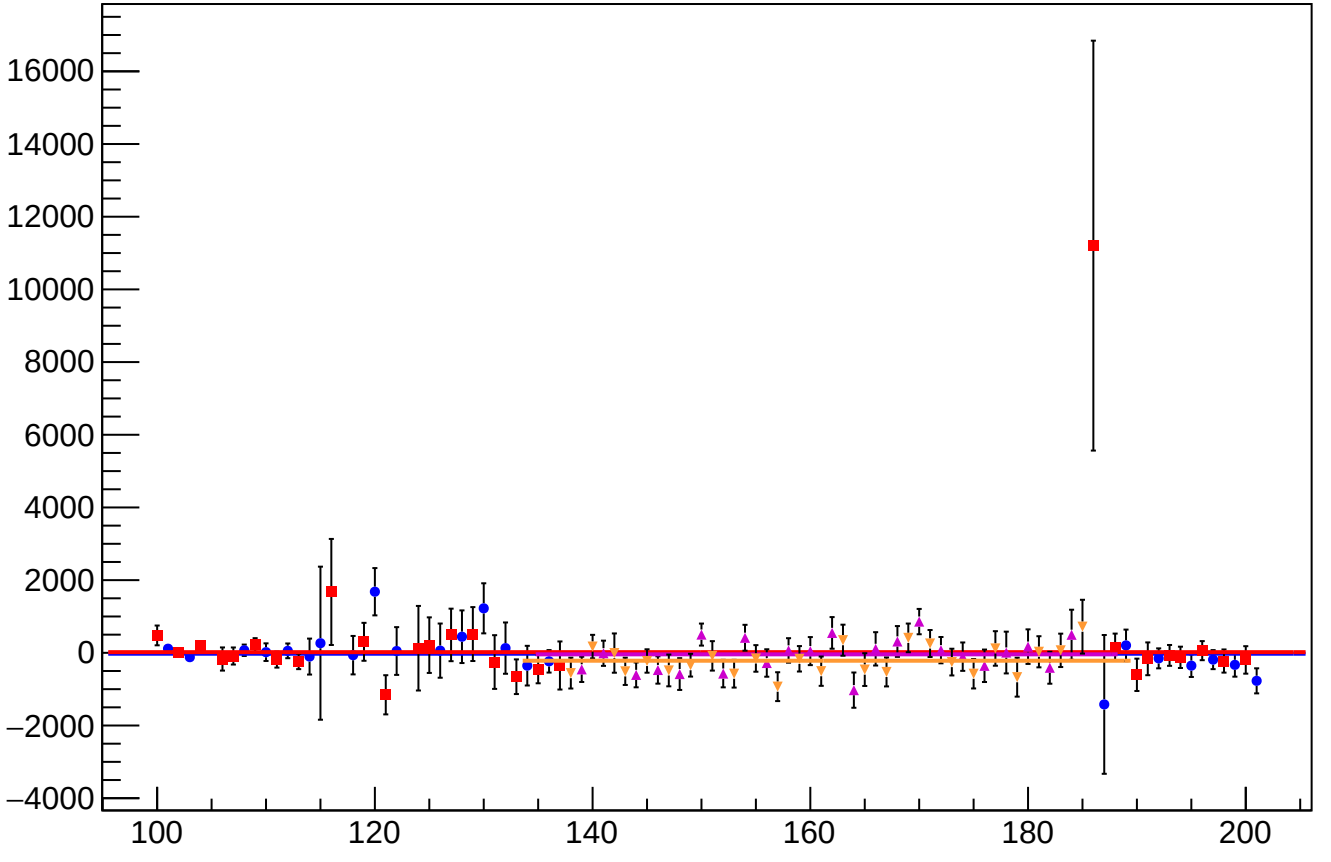
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.262+/-0.009 χ^2/NDF: 1813887.7/47

All: 67.001+/-0.006 χ^2/NDF: 4417161.9/98

- sign 66.743+/-0.009 χ^2/NDF: 2601447.2/50

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: 18.464+/-48.477 χ^2/NDF: 29.2/27

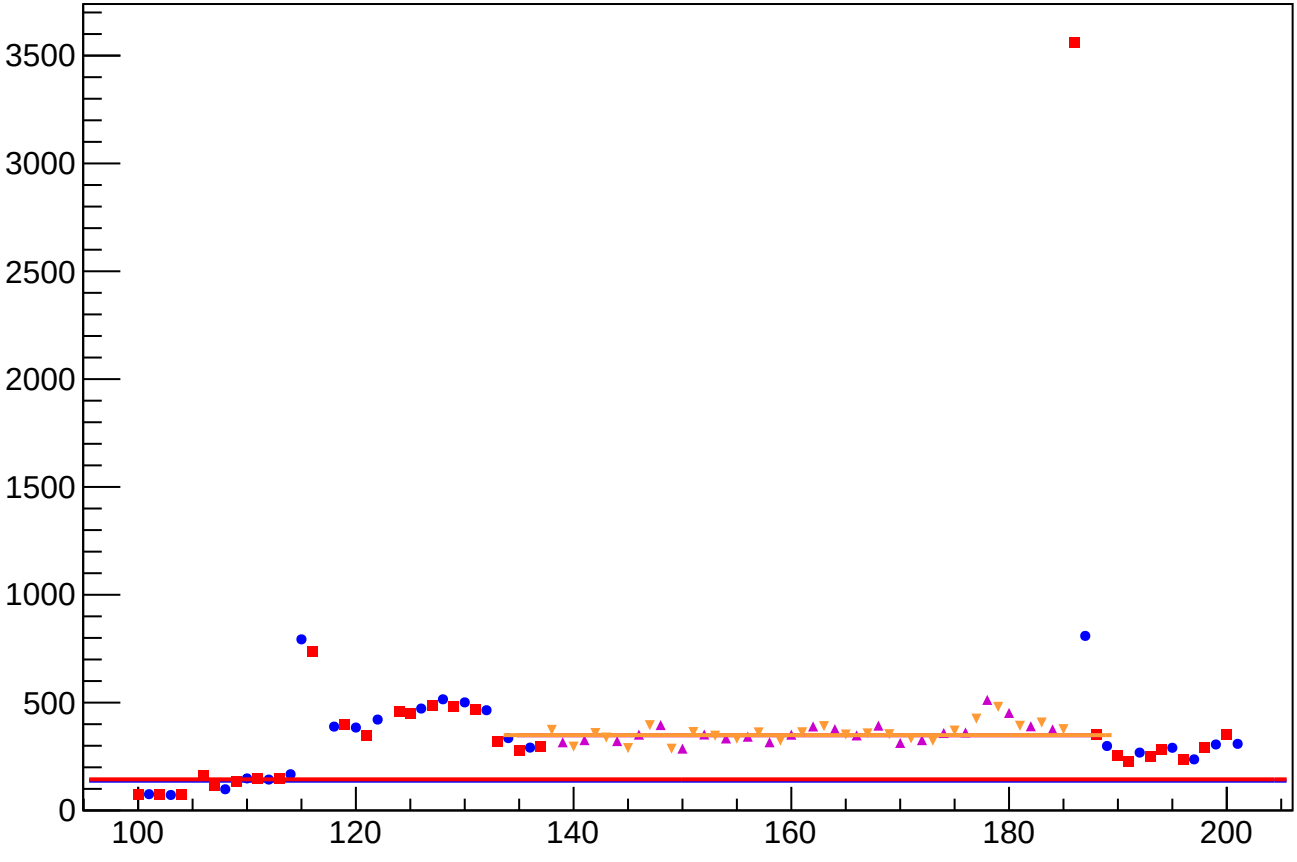
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -77.607+/-42.048 χ^2/NDF: 47.0/47

All: -37.028+/-29.631 χ^2/NDF: 108.4/98

- sign 3.003+/-41.764 χ^2/NDF: 59.6/50

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: 144.225+/-0.034 χ^2/NDF: 9226819.9/27

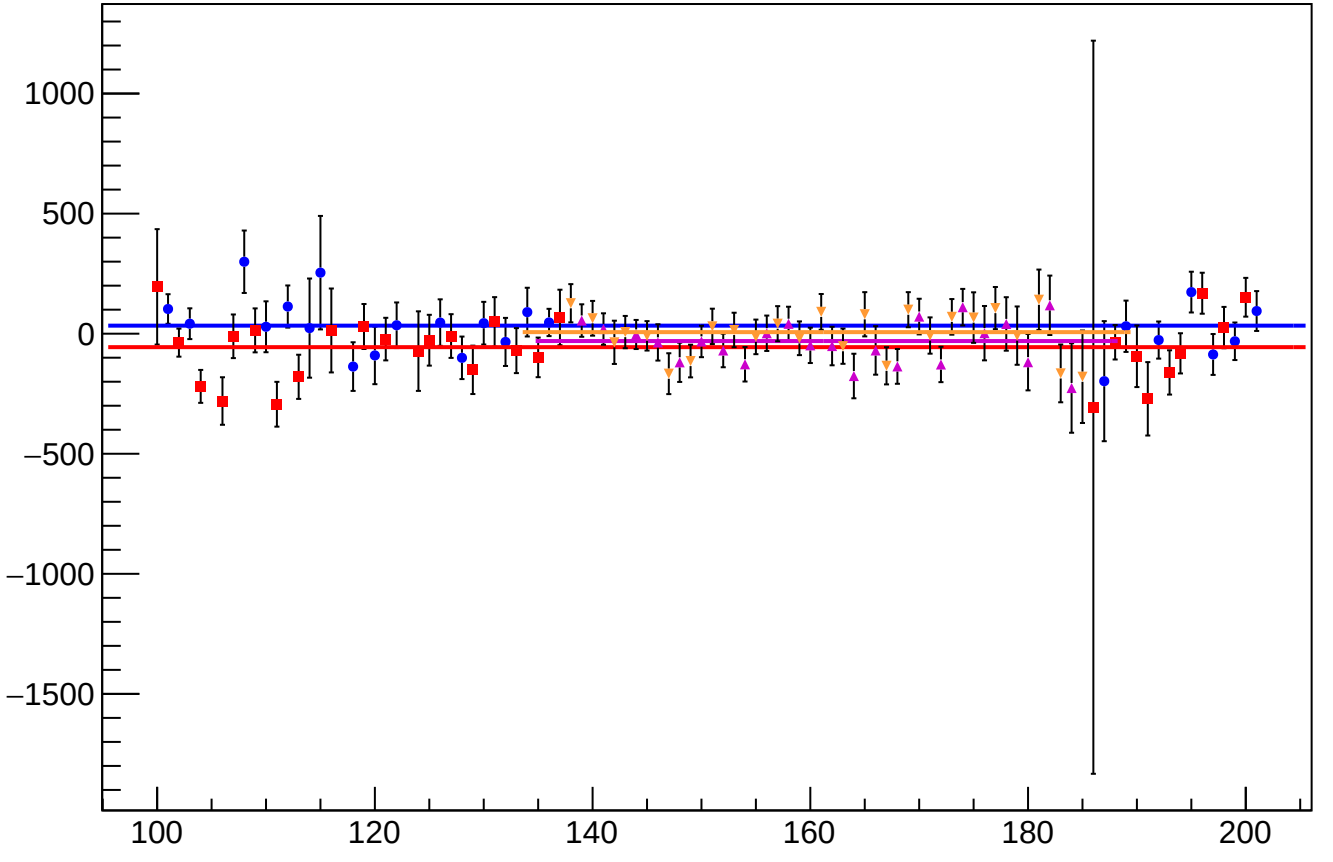
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 196.114+/-0.030 χ^2/NDF: 19401597.2/47

All: 196.509+/-0.021 χ^2/NDF: 38314800.0/98

- sign 196.899+/-0.030 χ^2/NDF: 18912852.0/50

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: -56.092+/-17.867 χ^2/NDF: 44.0/27

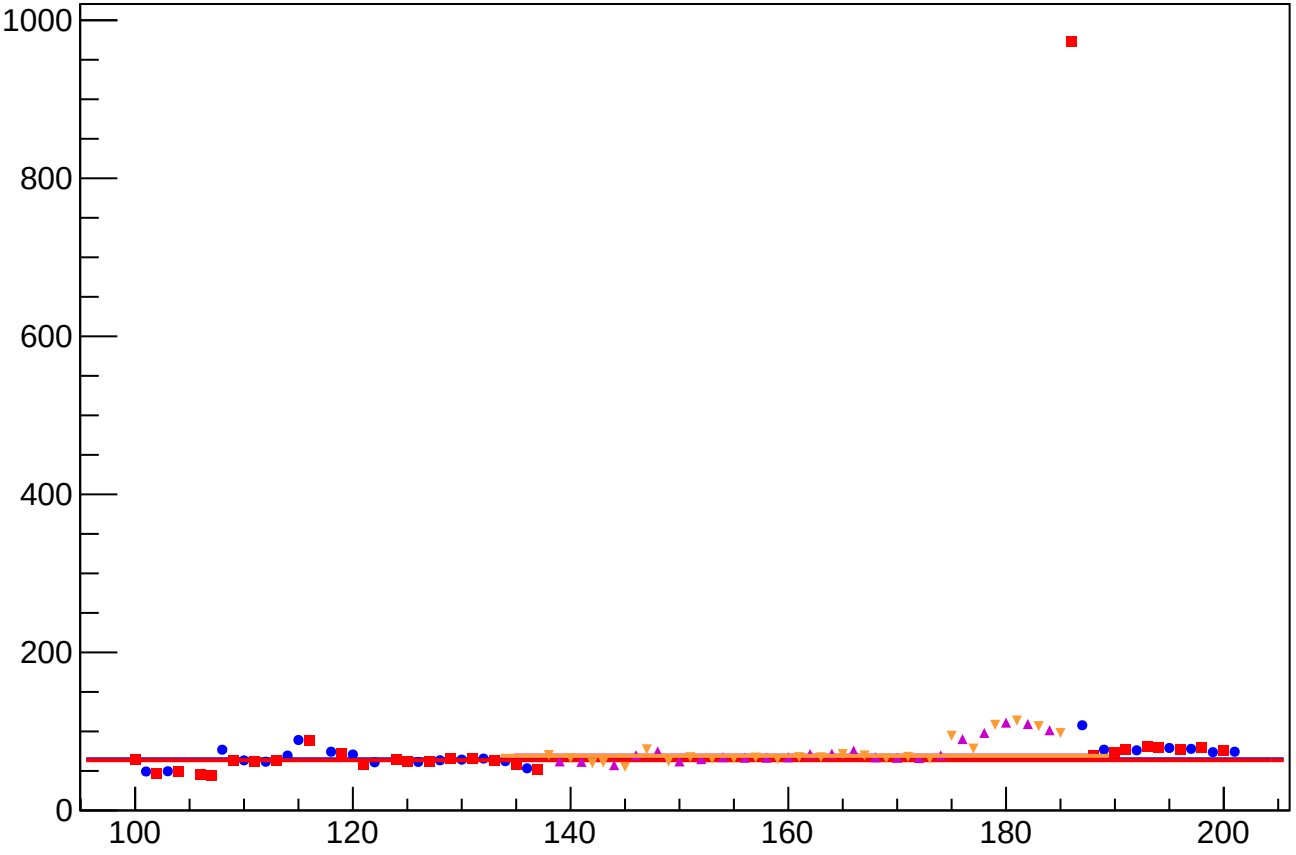
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.789+/-12.174 χ^2/NDF: 47.9/47

All: -12.417+/-8.590 χ^2/NDF: 127.7/98

- sign -42.369+/-12.123 χ^2/NDF: 67.6/50

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: 63.585+/-0.013 χ^2/NDF: 1561107.8/27

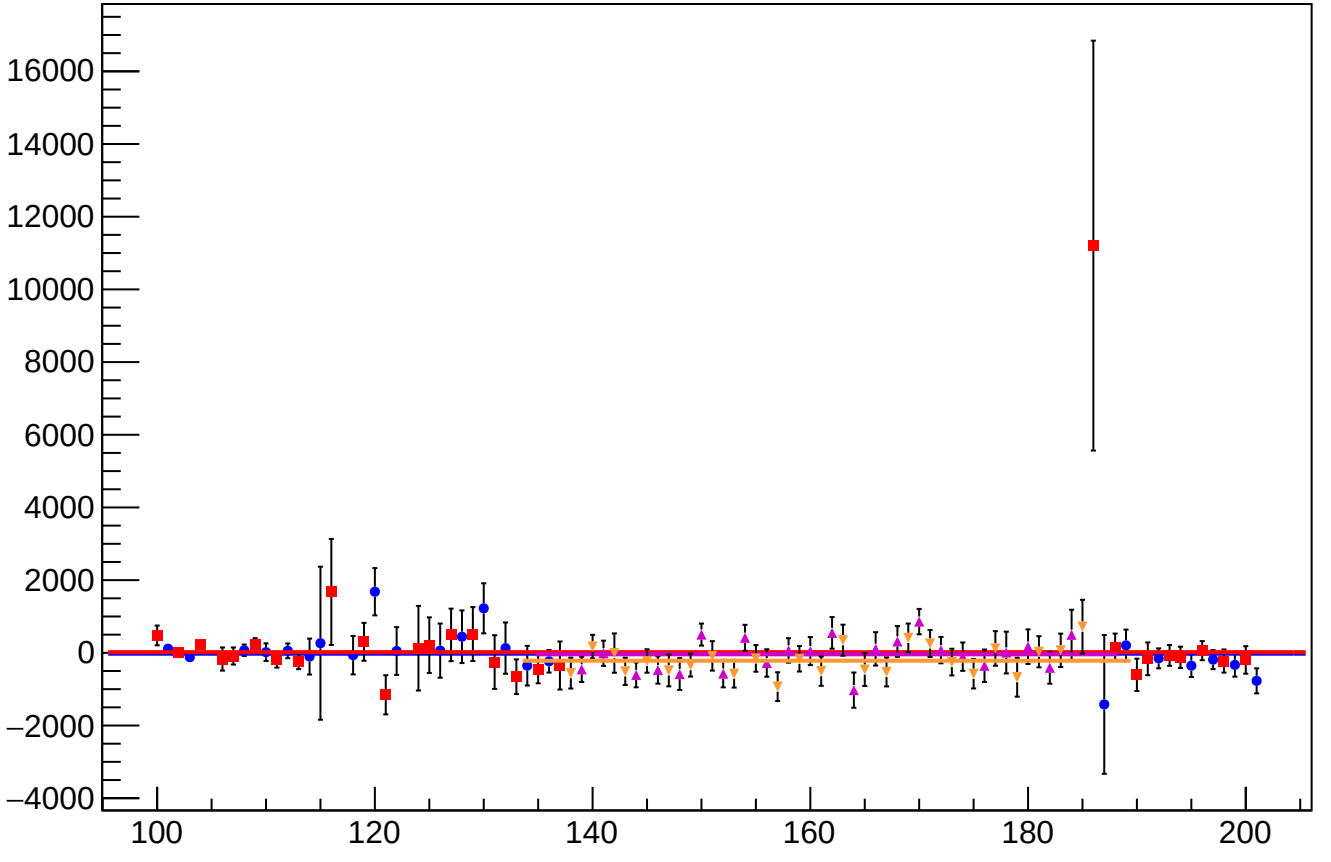
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.262+/-0.009 χ^2/NDF: 1813874.5/47

All: 67.001+/-0.006 χ^2/NDF: 4417139.3/98

- sign 66.743+/-0.009 χ^2/NDF: 2601437.9/50

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



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: 18.464+/-48.477 χ^2/NDF: 29.2/27

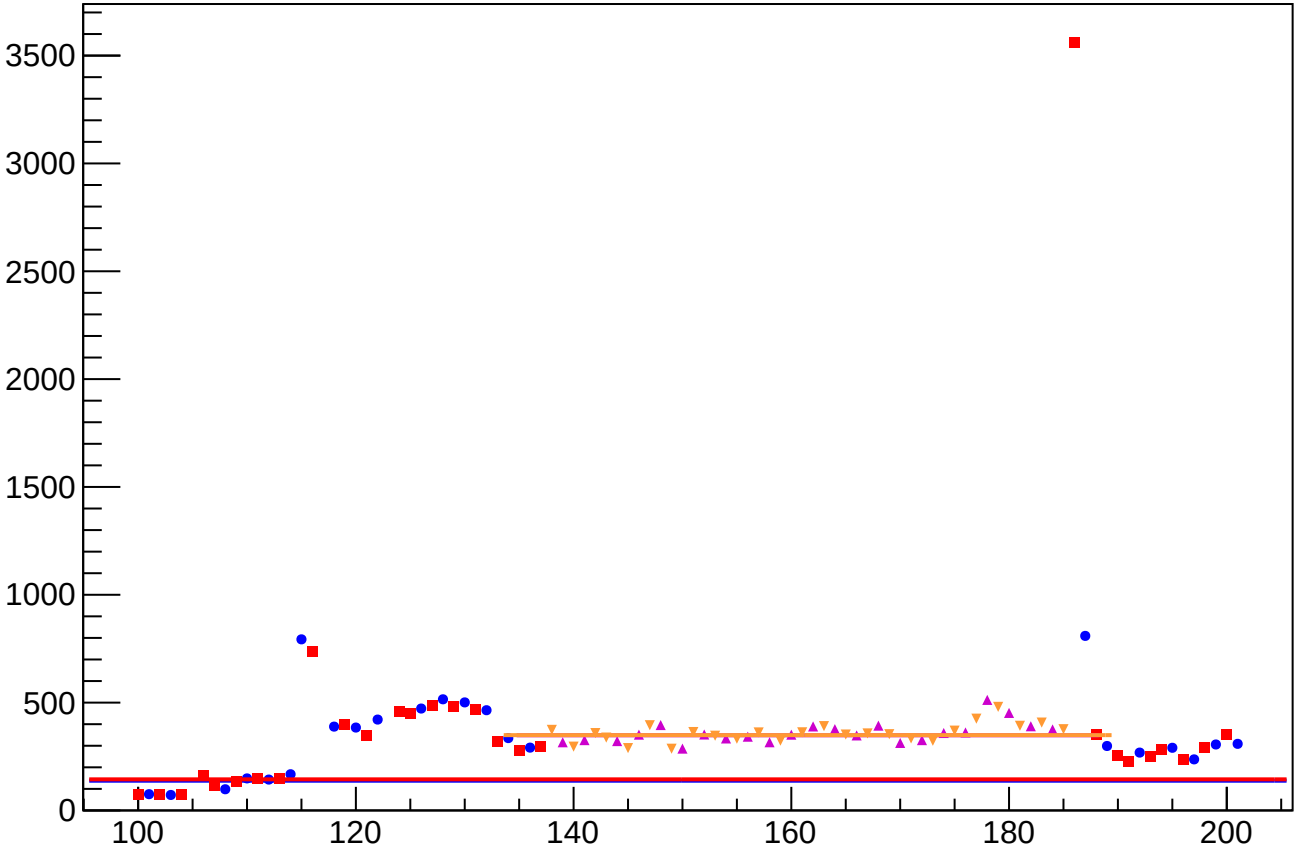
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -77.607+/-42.048 χ^2/NDF: 47.0/47

All: -37.028+/-29.631 χ^2/NDF: 108.4/98

- sign 3.003+/-41.764 χ^2/NDF: 59.6/50

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: 144.224+/-0.034 χ^2/NDF: 9226855.9/27

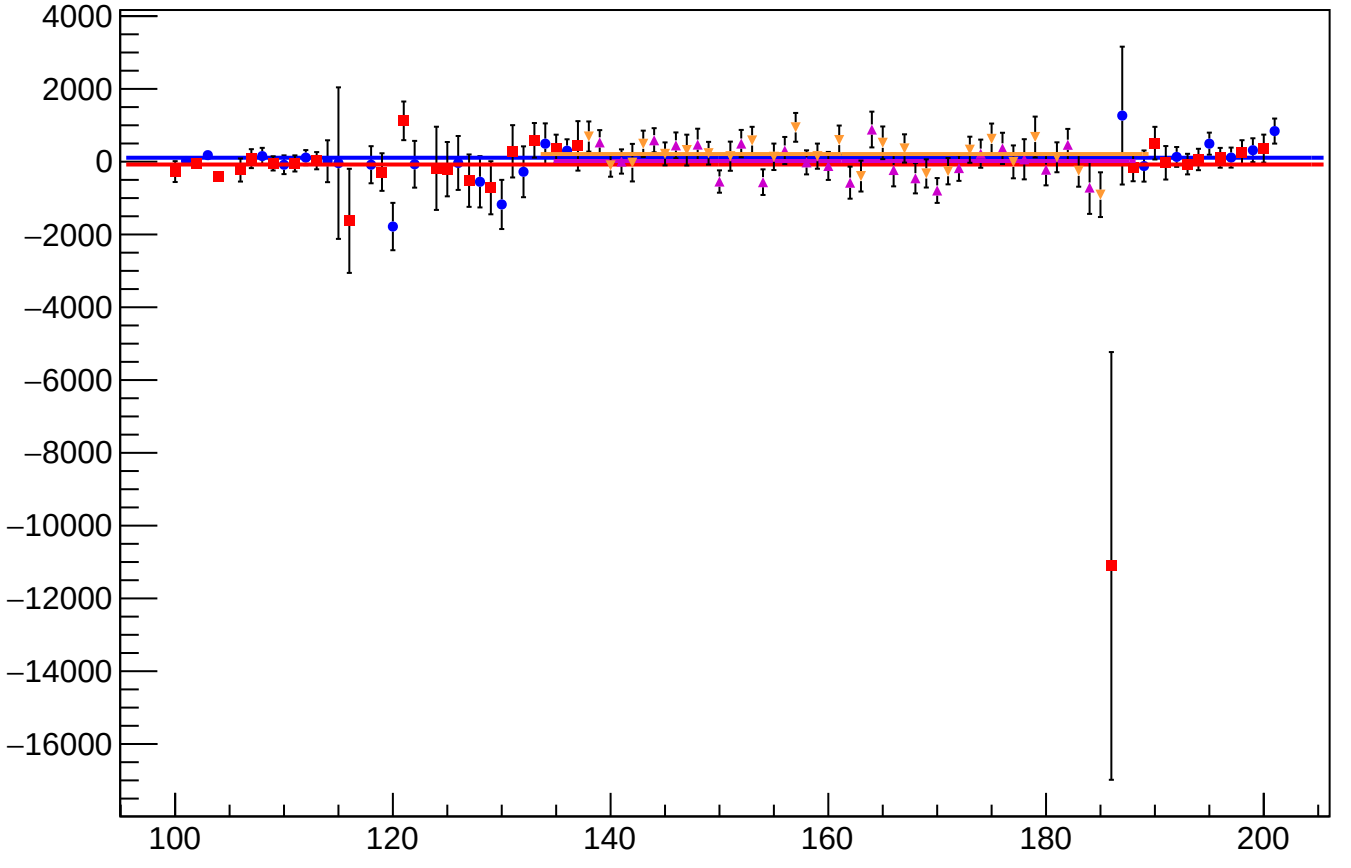
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 196.114+/-0.030 χ^2/NDF: 19401667.9/47

All: 196.509+/-0.021 χ^2/NDF: 38314979.2/98

- sign 196.899+/-0.030 χ^2/NDF: 18912960.7/50

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: -77.496+/-52.110 χ^2/NDF: 30.0/27

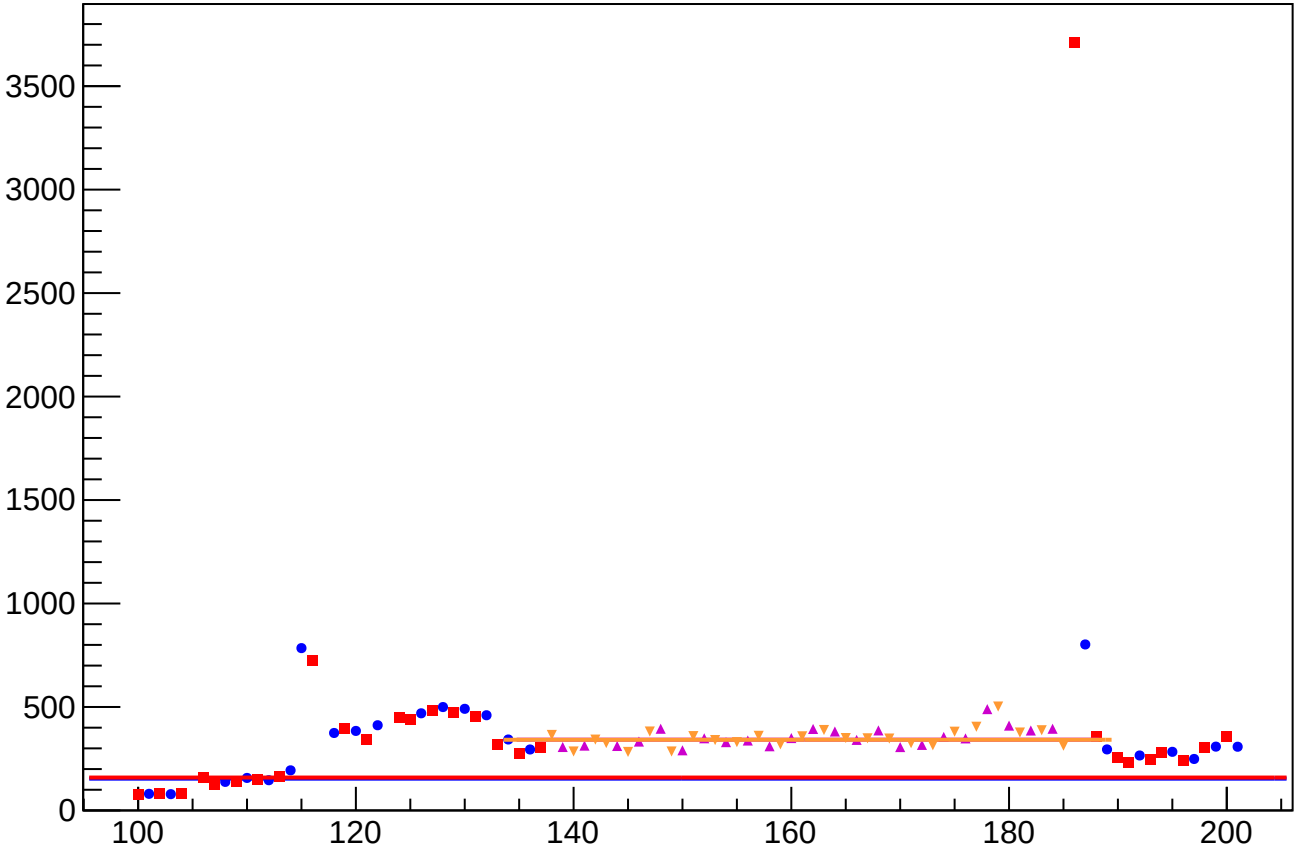
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 140.904+/-44.329 χ^2/NDF: 46.0/47

All: 44.672+/-31.148 χ^2/NDF: 118.3/98

- sign -49.177+/-43.777 χ^2/NDF: 63.0/50

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

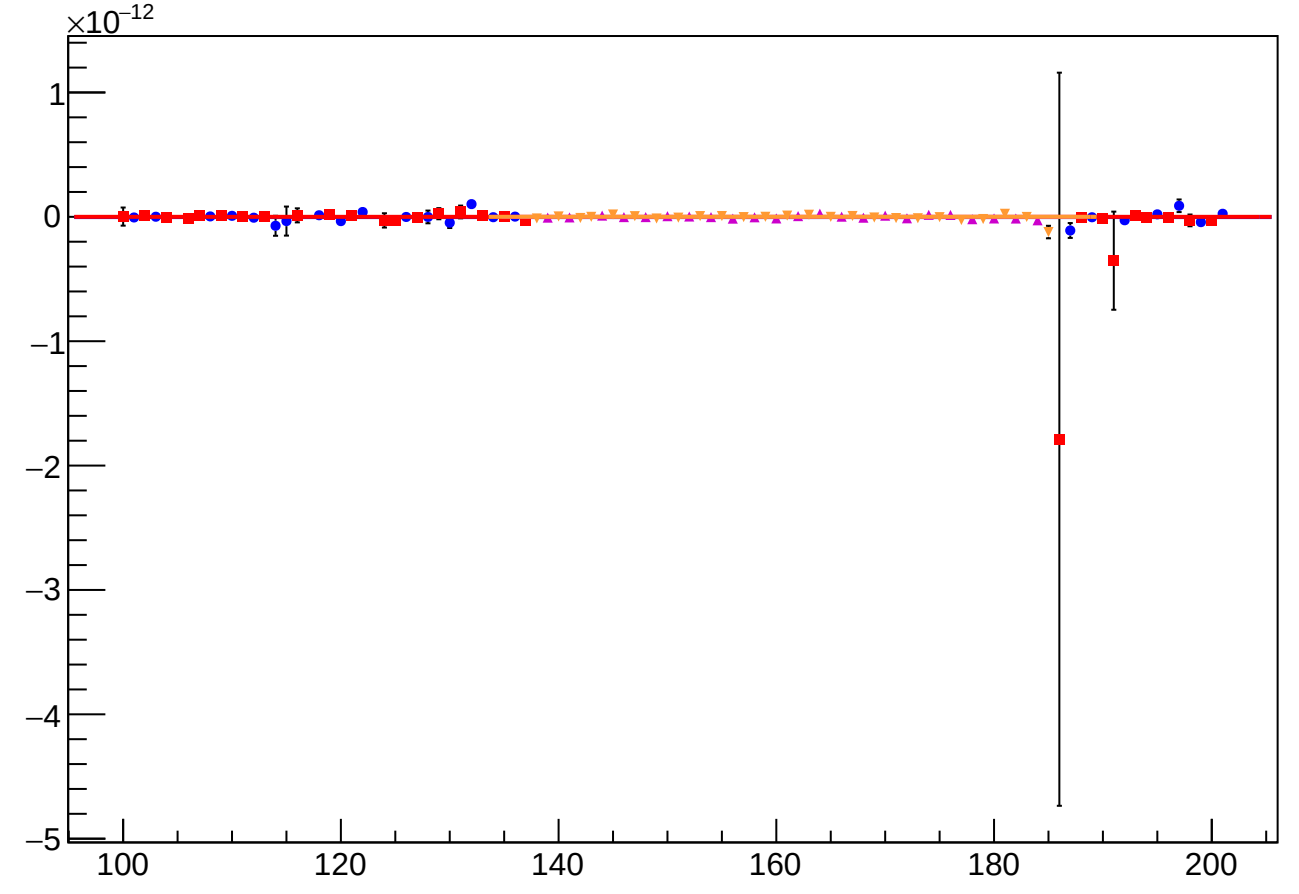
Right Out: 159.023+/-0.037 χ^2/NDF: 8236026.3/27

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 213.589+/-0.031 χ^2/NDF: 16251505.8/47

All: 213.215+/-0.022 χ^2/NDF: 32225237.3/98

- sign 212.851+/-0.031 χ^2/NDF: 15973450.5/50



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: 13.6/27

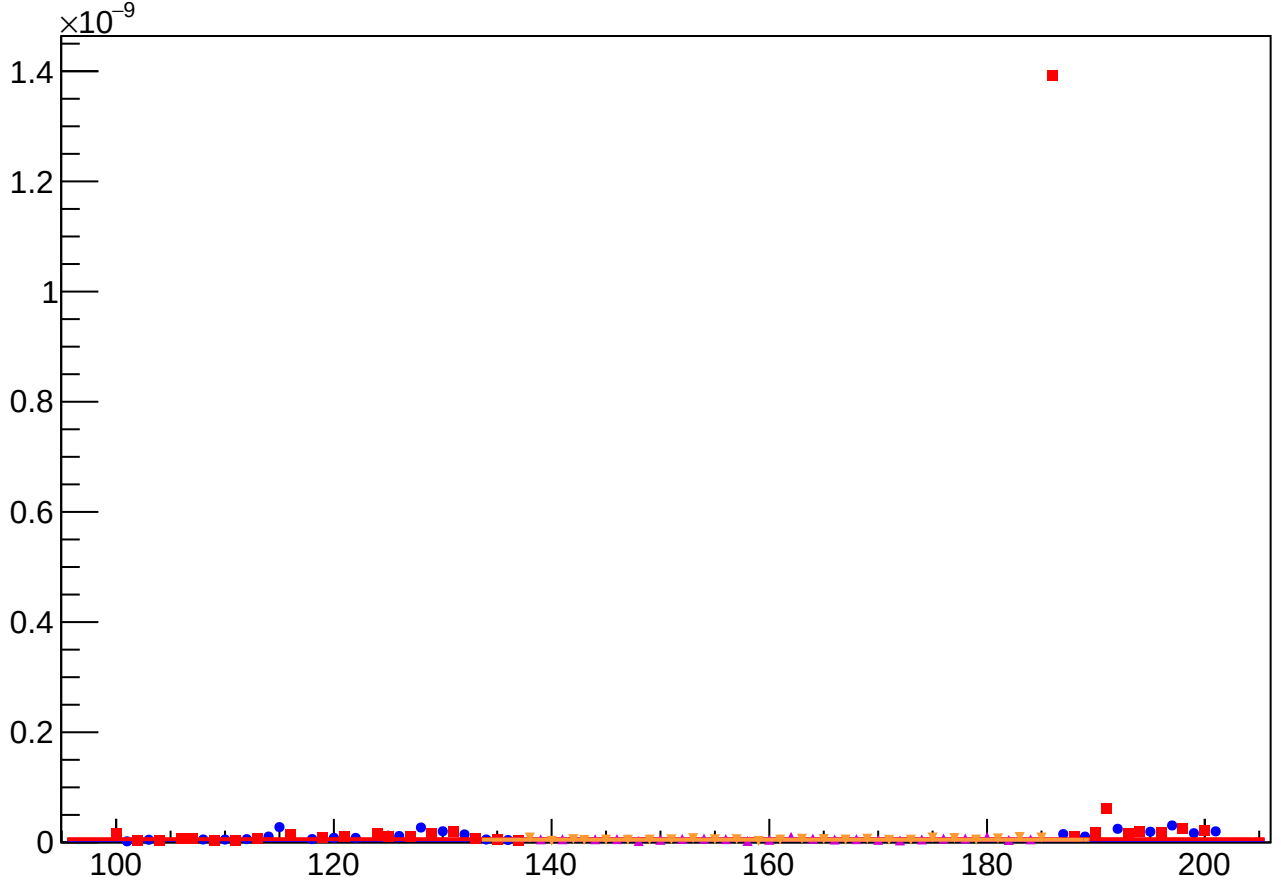
Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.1/47

All: -0.000+/-0.000 χ^2/NDF: 91.3/98

- sign -0.000+/-0.000 χ^2/NDF: 34.1/50

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: 4036603.2/27

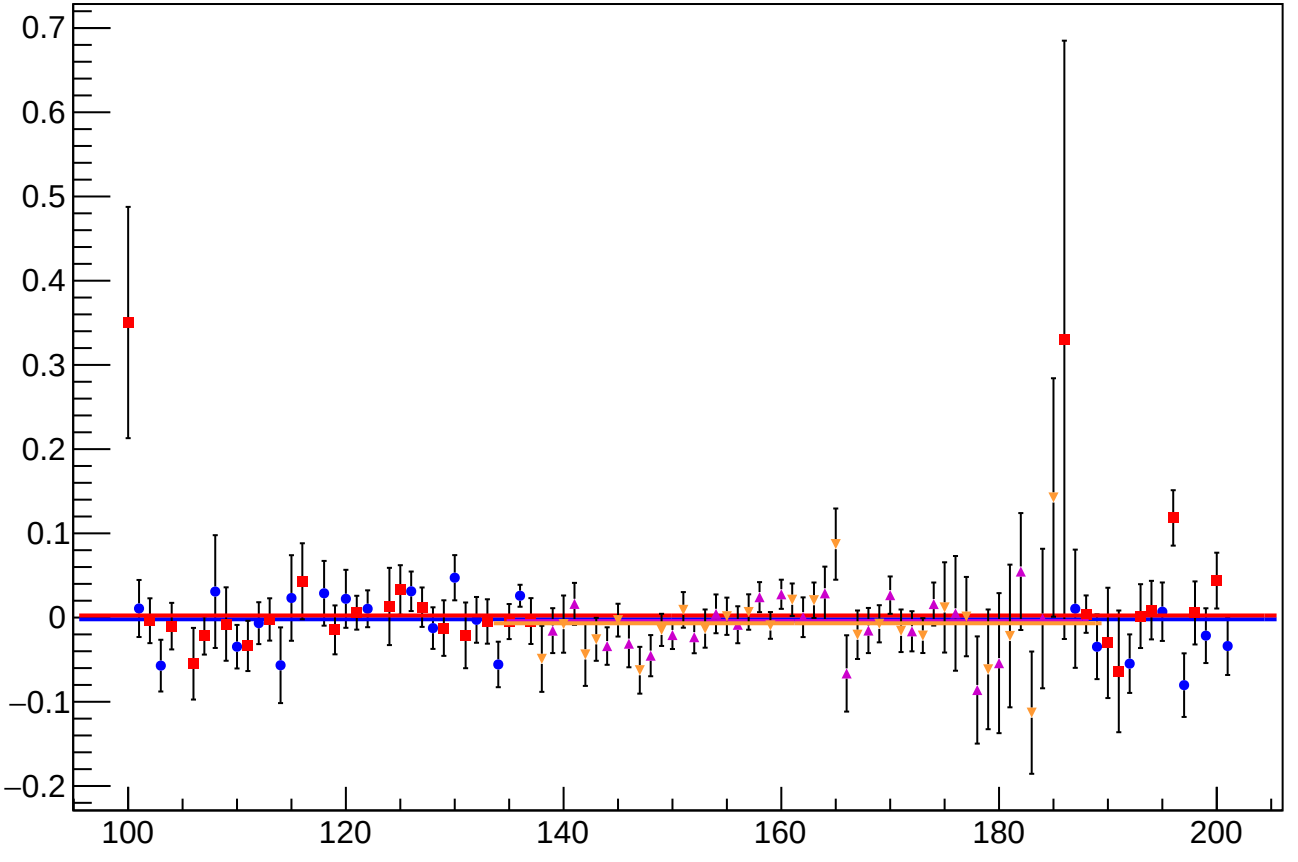
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6400615.1/47

All: 0.000+/-0.000 χ^2/NDF: 11890854.0/98

- sign 0.000+/-0.000 χ^2/NDF: 5380700.4/50

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: 0.002+/-0.006 χ^2/NDF: 30.4/27

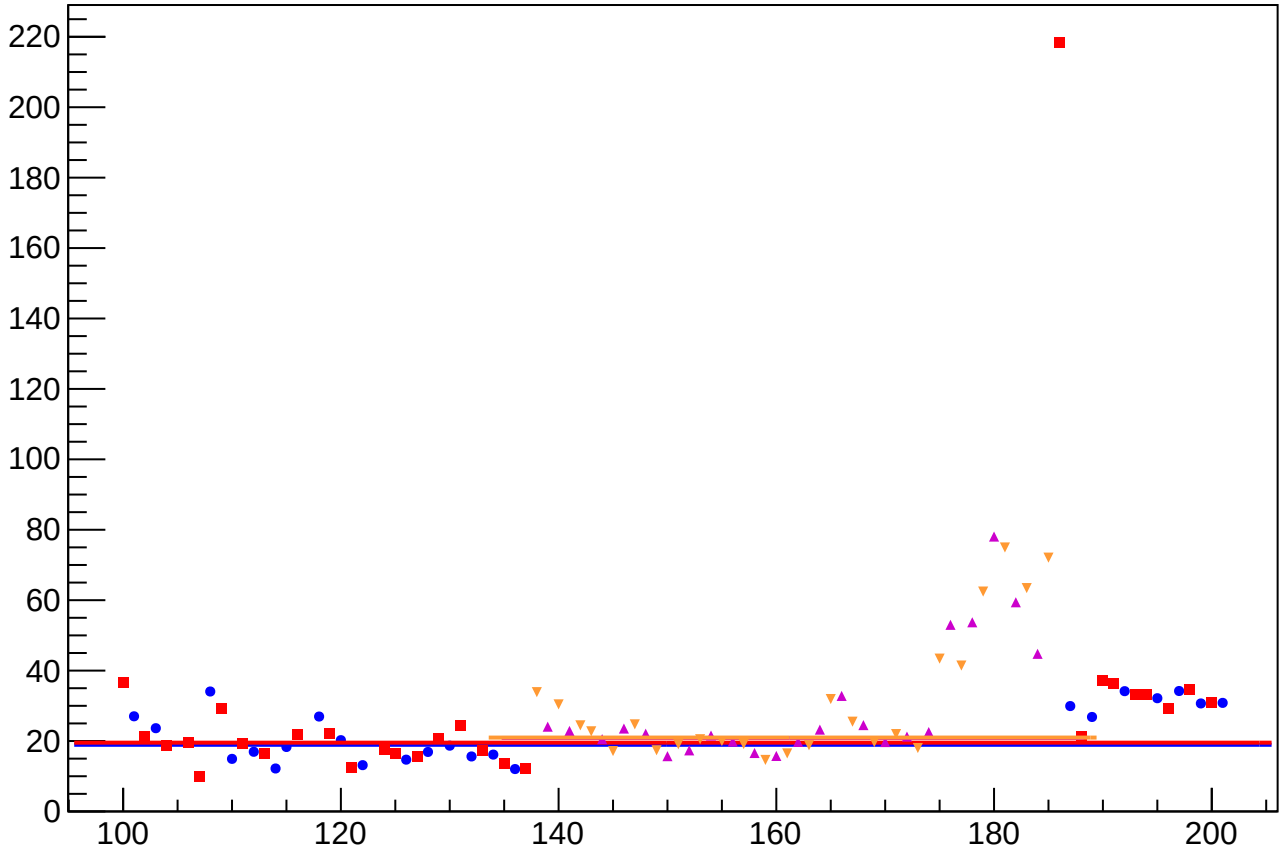
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.005+/-0.004 χ^2/NDF: 53.2/47

All: -0.003+/-0.003 χ^2/NDF: 107.9/98

- sign -0.001+/-0.004 χ^2/NDF: 54.3/50

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: 19.538+/-0.004 χ^2/NDF: 3409970.3/27

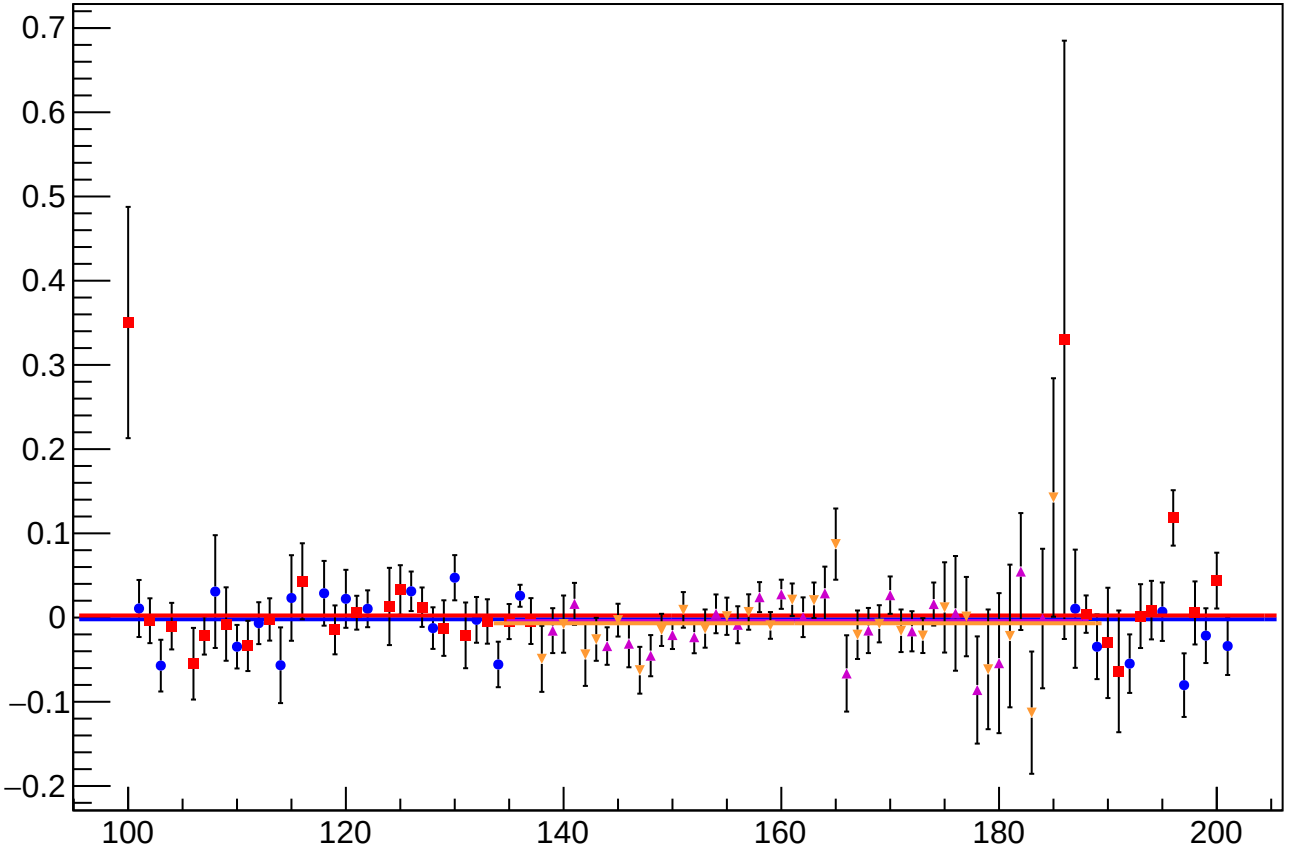
Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

\+ sign 20.094+/-0.003 χ^2/NDF: 7523159.1/47

All: 20.181+/-0.002 χ^2/NDF: 14526929.1/98

\- sign 20.268+/-0.003 χ^2/NDF: 7001791.3/50

asym_sam_15_avg_dit_vs_eigen_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

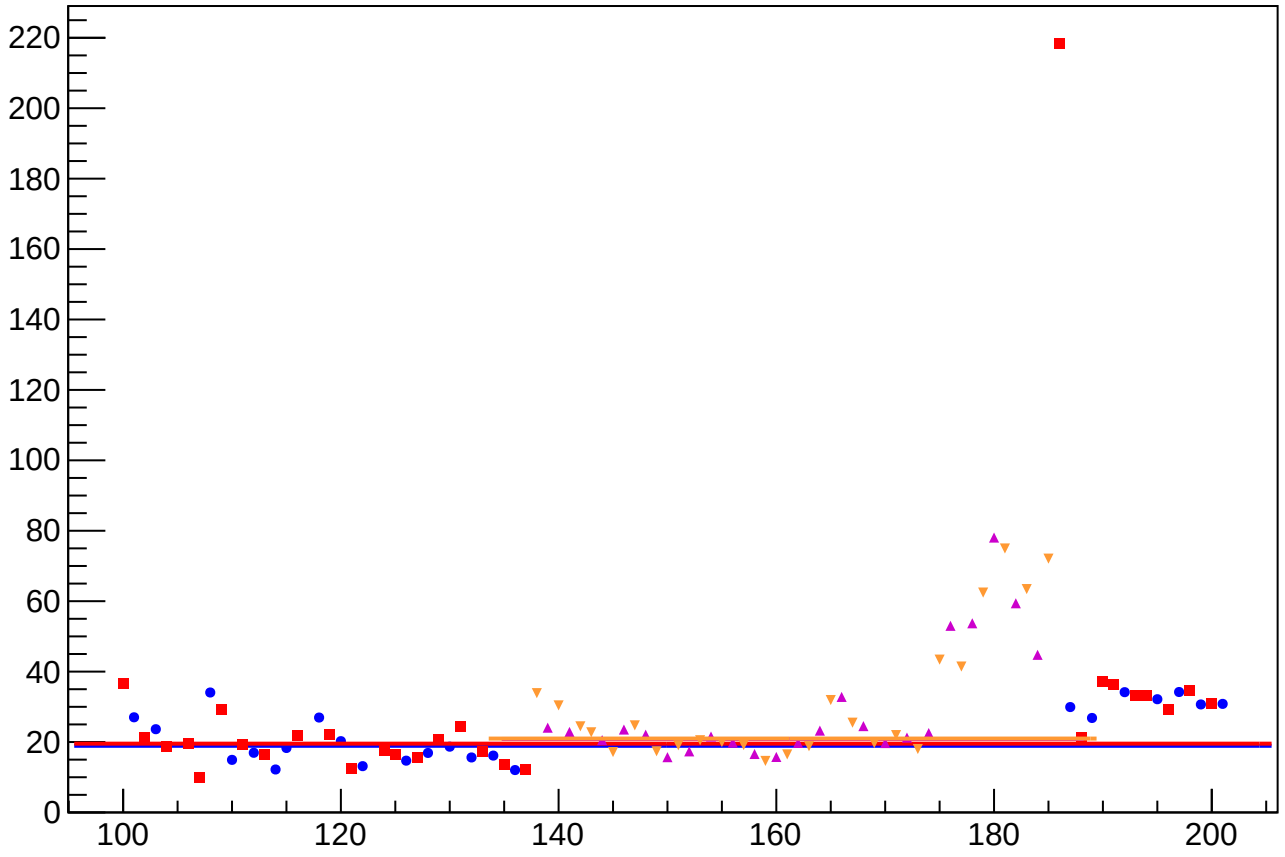
Right Out: 0.002+/-0.006 χ^2/NDF: 30.4/27

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: 107.9/98

- sign -0.001+/-0.004 χ^2/NDF: 54.3/50



Right In: 18.934+/-0.004 χ^2/NDF: 2922055.3/22

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

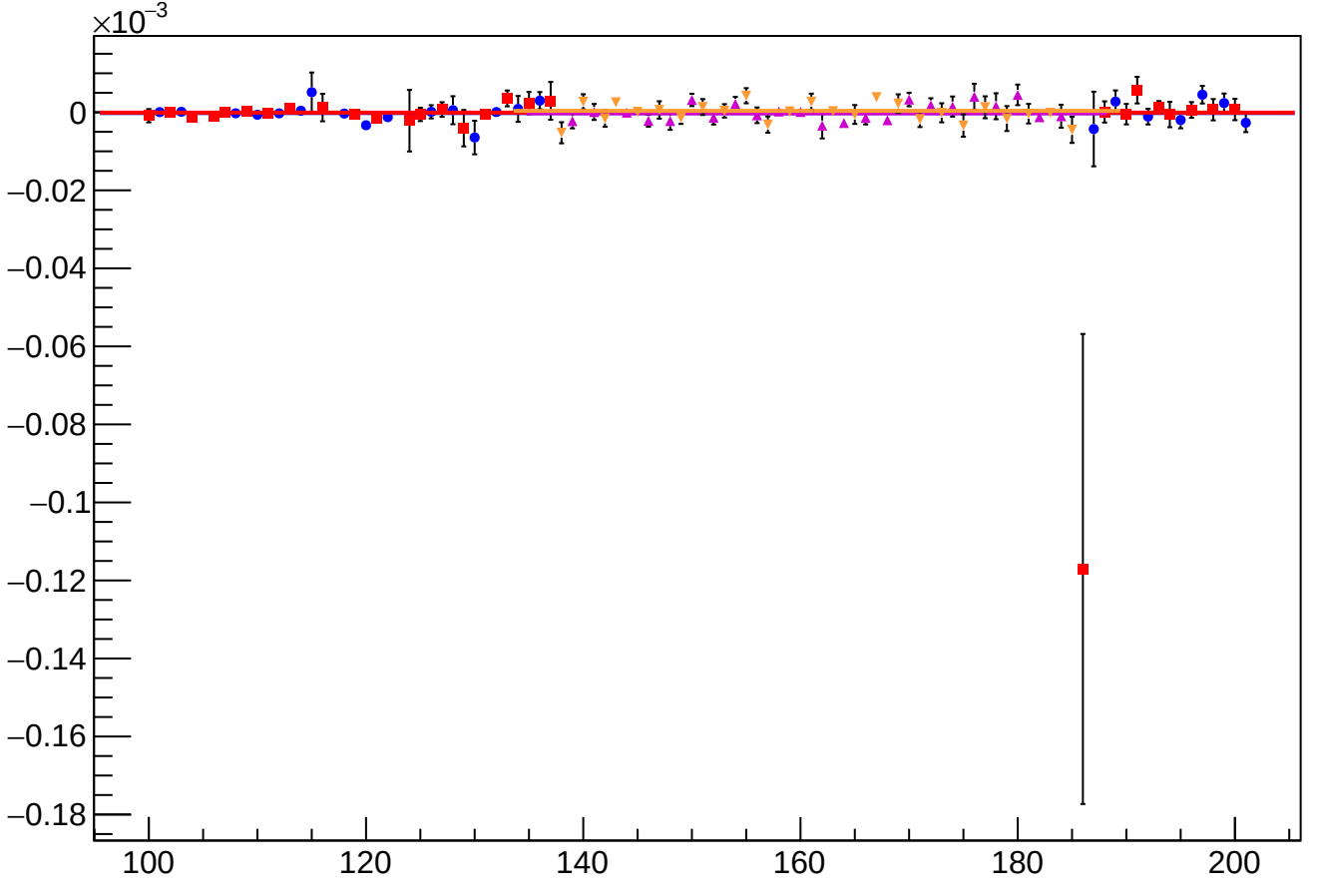
Right Out: 19.538+/-0.004 χ^2/NDF: 3409970.3/27

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

\+ sign 20.094+/-0.003 χ^2/NDF: 7523159.1/47

All: 20.181+/-0.002 χ^2/NDF: 14526929.1/98

\- sign 20.268+/-0.003 χ^2/NDF: 7001791.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

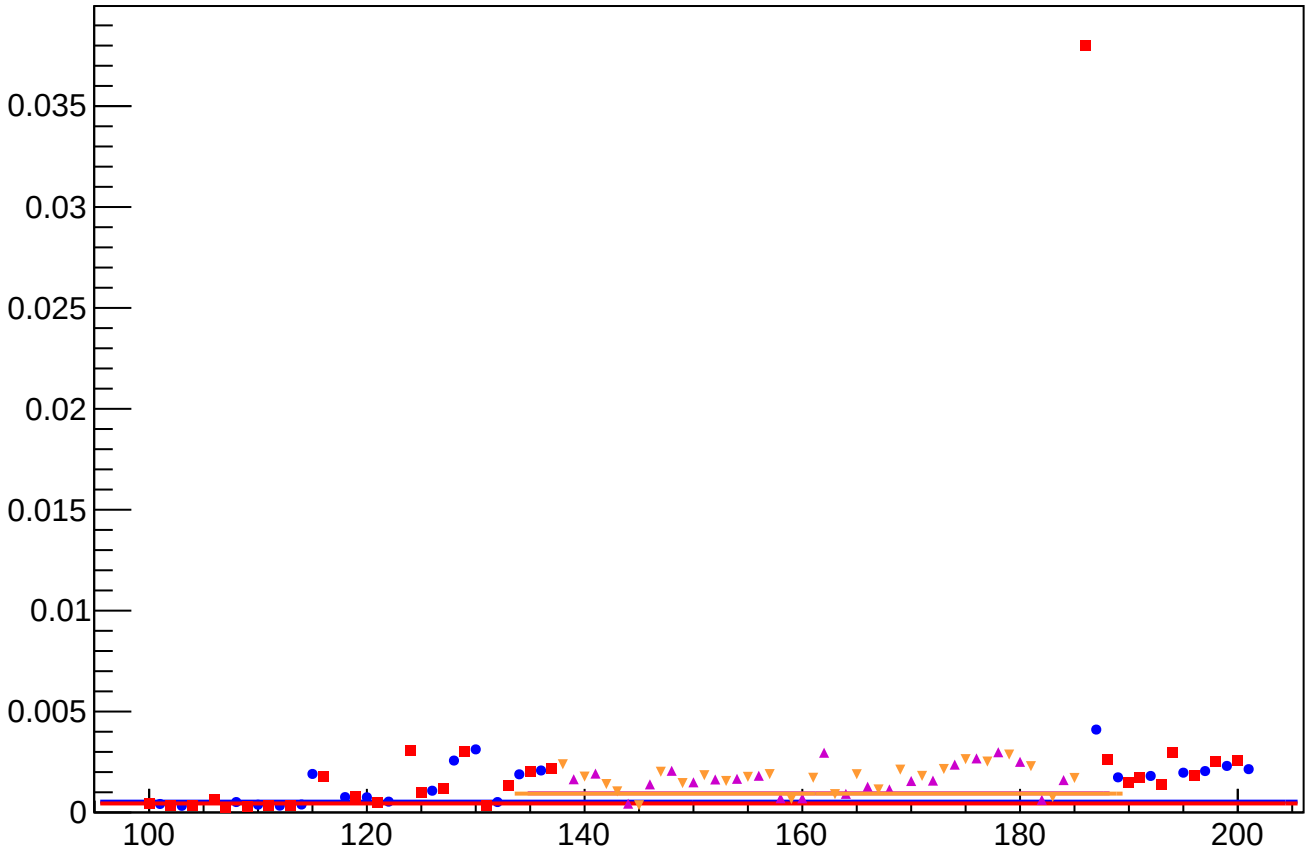
Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/27

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: 120.6/98

- sign -0.000+/-0.000 χ^2/NDF: 59.9/50



Right In: 0.001+/-0.000 χ^2/NDF: 9457043.6/22

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

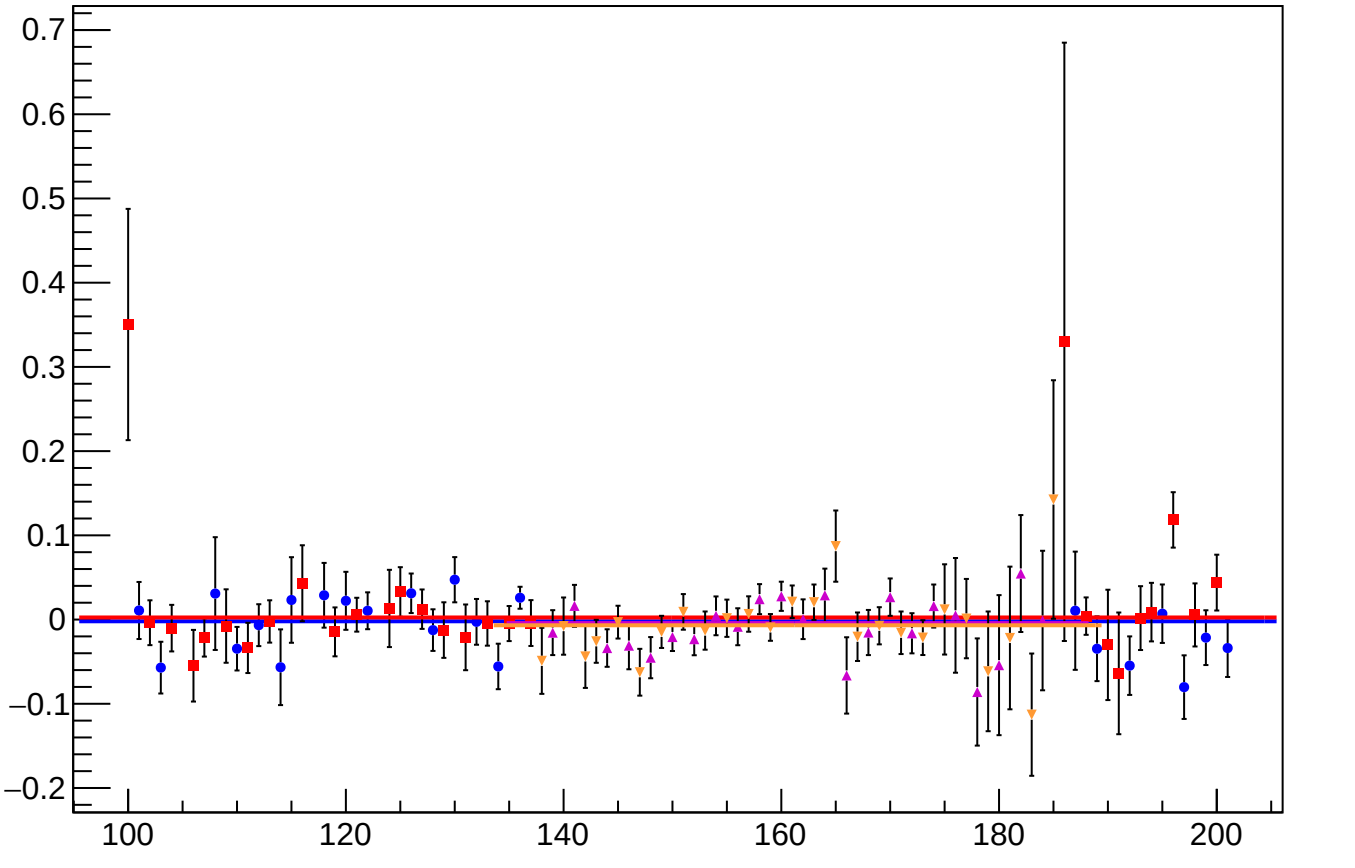
Right Out: 0.000+/-0.000 χ^2/NDF: 12120474.3/27

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: 51462505.2/98

- sign 0.001+/-0.000 χ^2/NDF: 26748649.3/50



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: 0.002+/-0.006 χ^2/NDF: 30.4/27

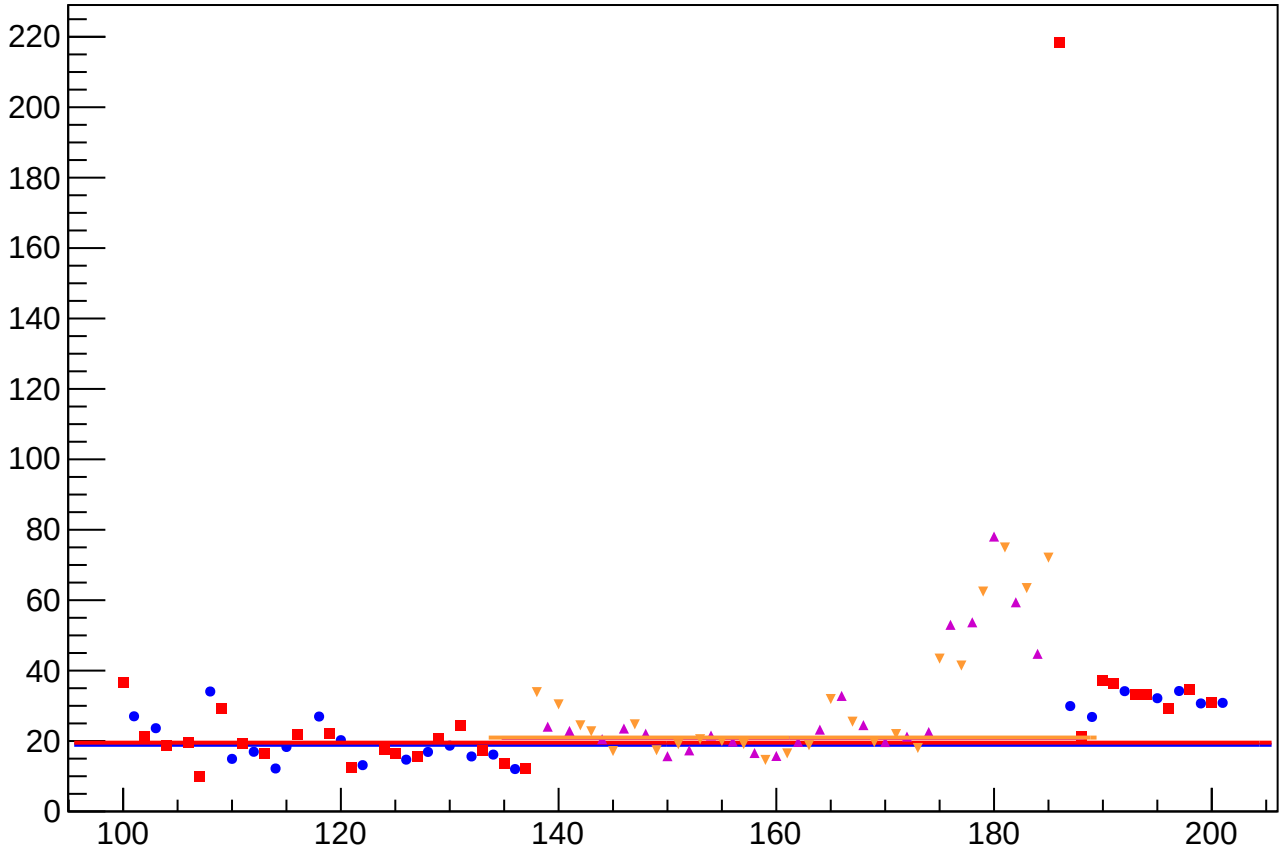
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.005+/-0.004 χ^2/NDF: 53.2/47

All: -0.003+/-0.003 χ^2/NDF: 107.9/98

- sign -0.001+/-0.004 χ^2/NDF: 54.3/50

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 18.934+/-0.004 χ^2/NDF: 2922079.3/22

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

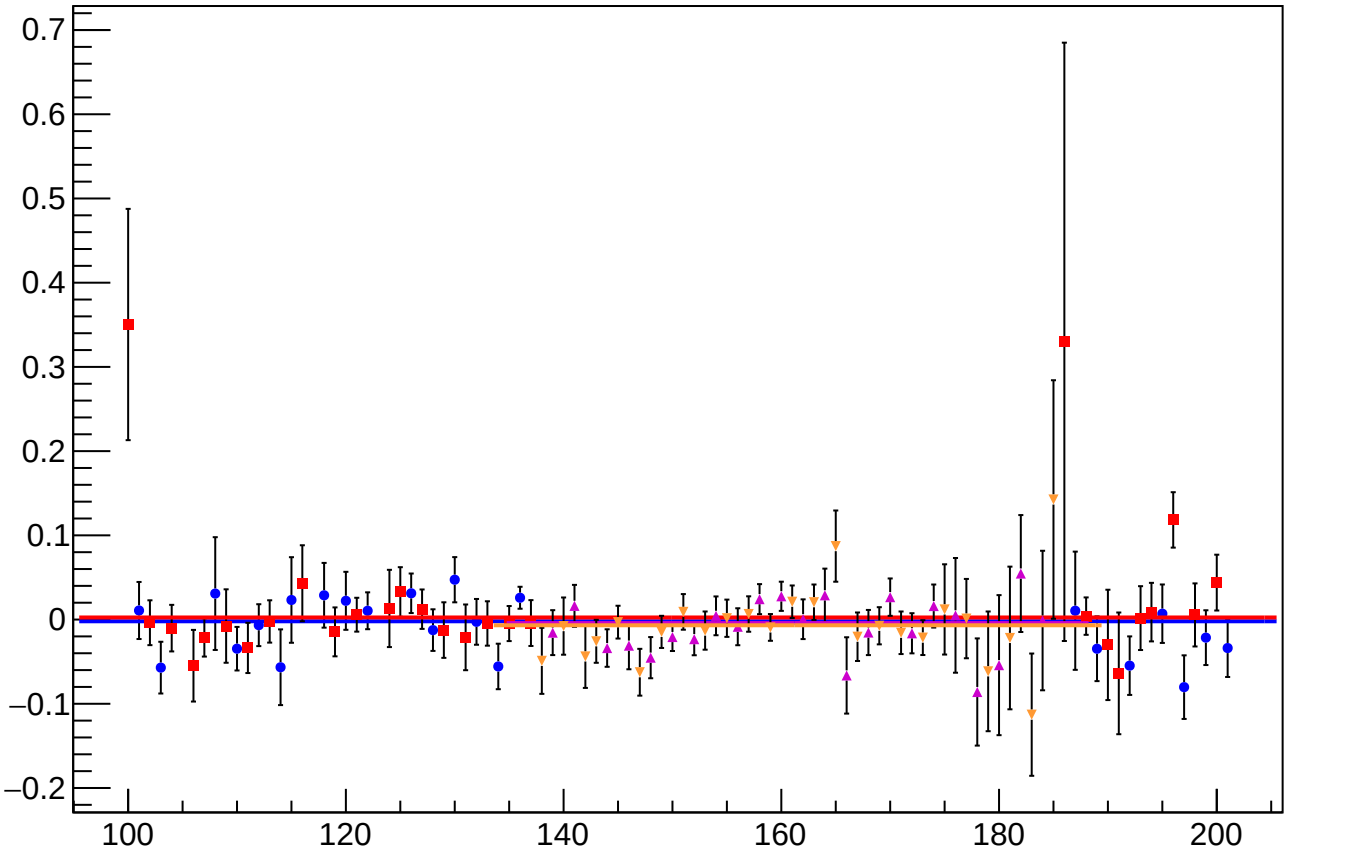
Right Out: 19.538+/-0.004 χ^2/NDF: 3409996.5/27

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.094+/-0.003 χ^2/NDF: 7523198.2/47

All: 20.181+/-0.002 χ^2/NDF: 14527065.7/98

- sign 20.268+/-0.003 χ^2/NDF: 7001890.3/50



Right In: -0.002+/-0.006 χ^2/NDF: 31.1/22

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

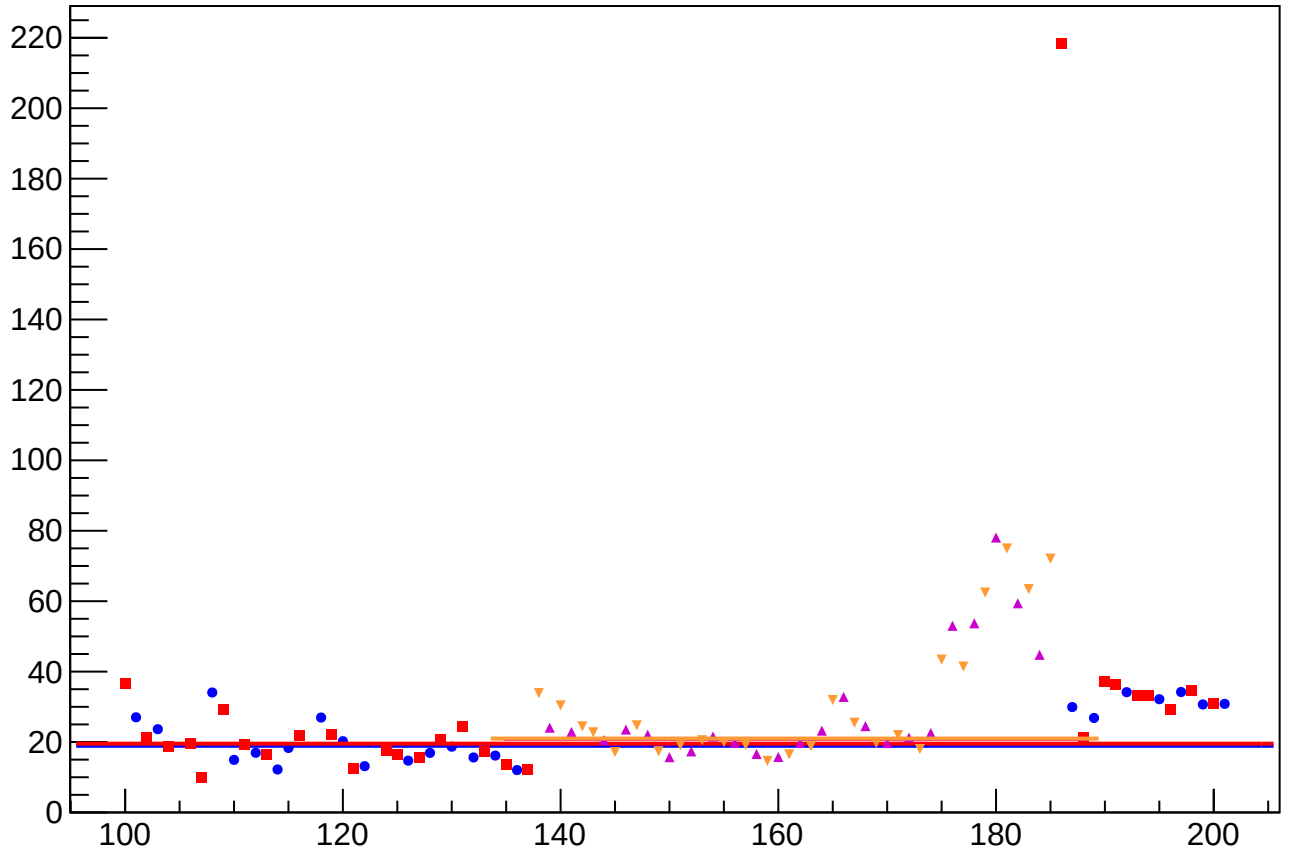
Right Out: 0.002+/-0.006 χ^2/NDF: 30.4/27

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: 107.9/98

- sign -0.001+/-0.004 χ^2/NDF: 54.3/50



Right In: 18.934+/-0.004 χ^2/NDF: 2922079.3/22

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

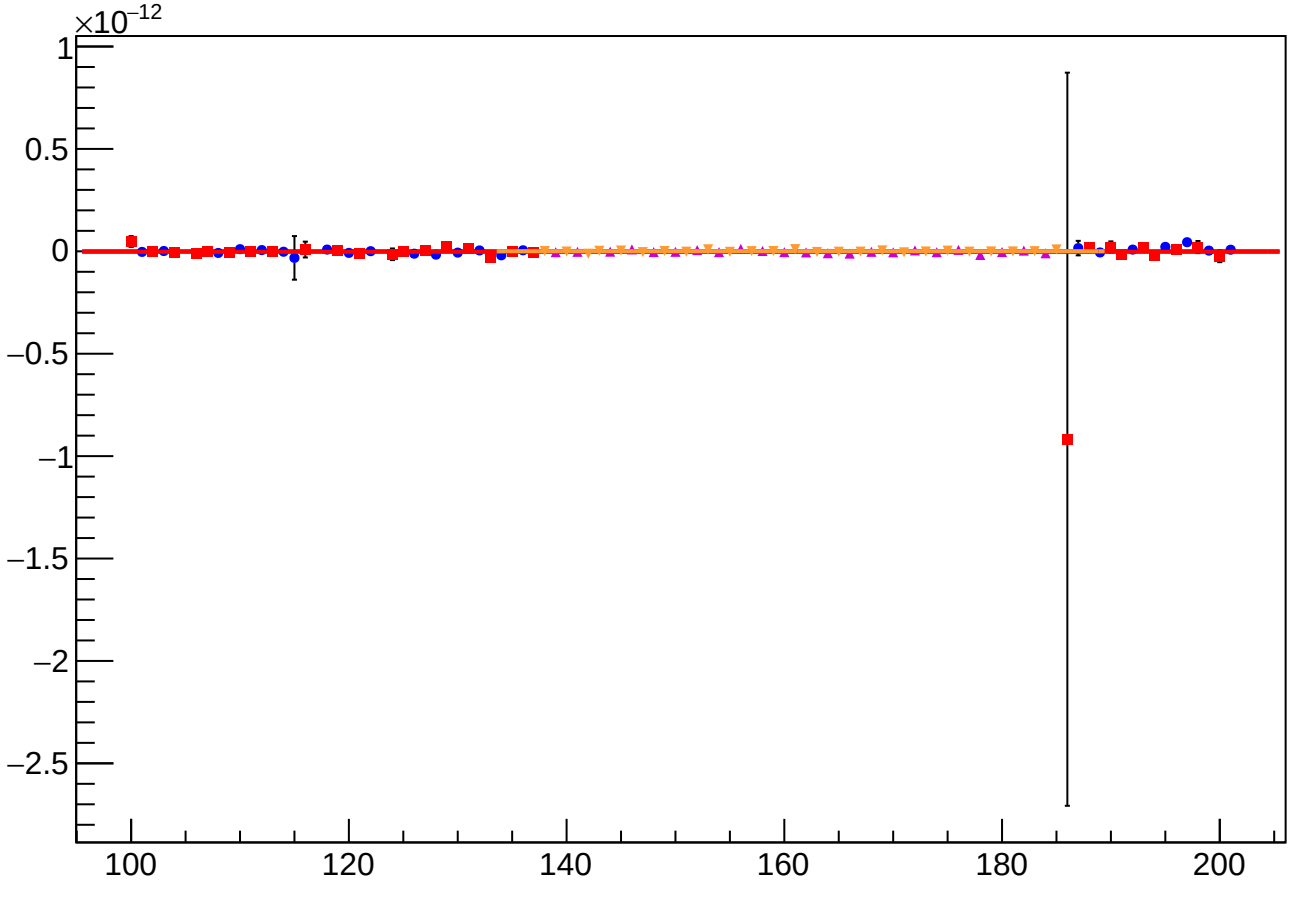
Right Out: 19.538+/-0.004 χ^2/NDF: 3409996.5/27

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.094+/-0.003 χ^2/NDF: 7523198.2/47

All: 20.181+/-0.002 χ^2/NDF: 14527065.7/98

- sign 20.268+/-0.003 χ^2/NDF: 7001890.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

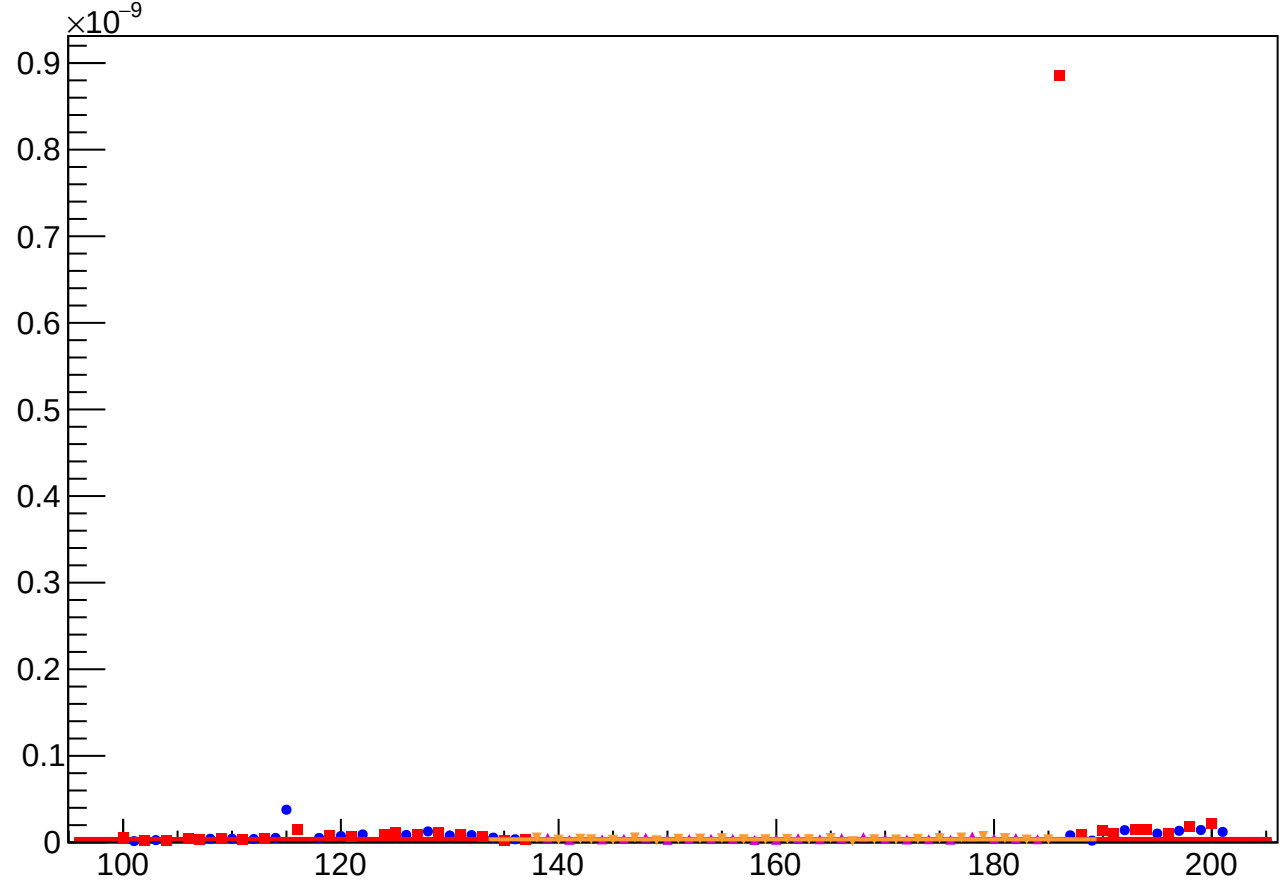
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/27

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: 84.0/98

- sign -0.000+/-0.000 χ^2/NDF: 49.2/50



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: 6628509.6/27

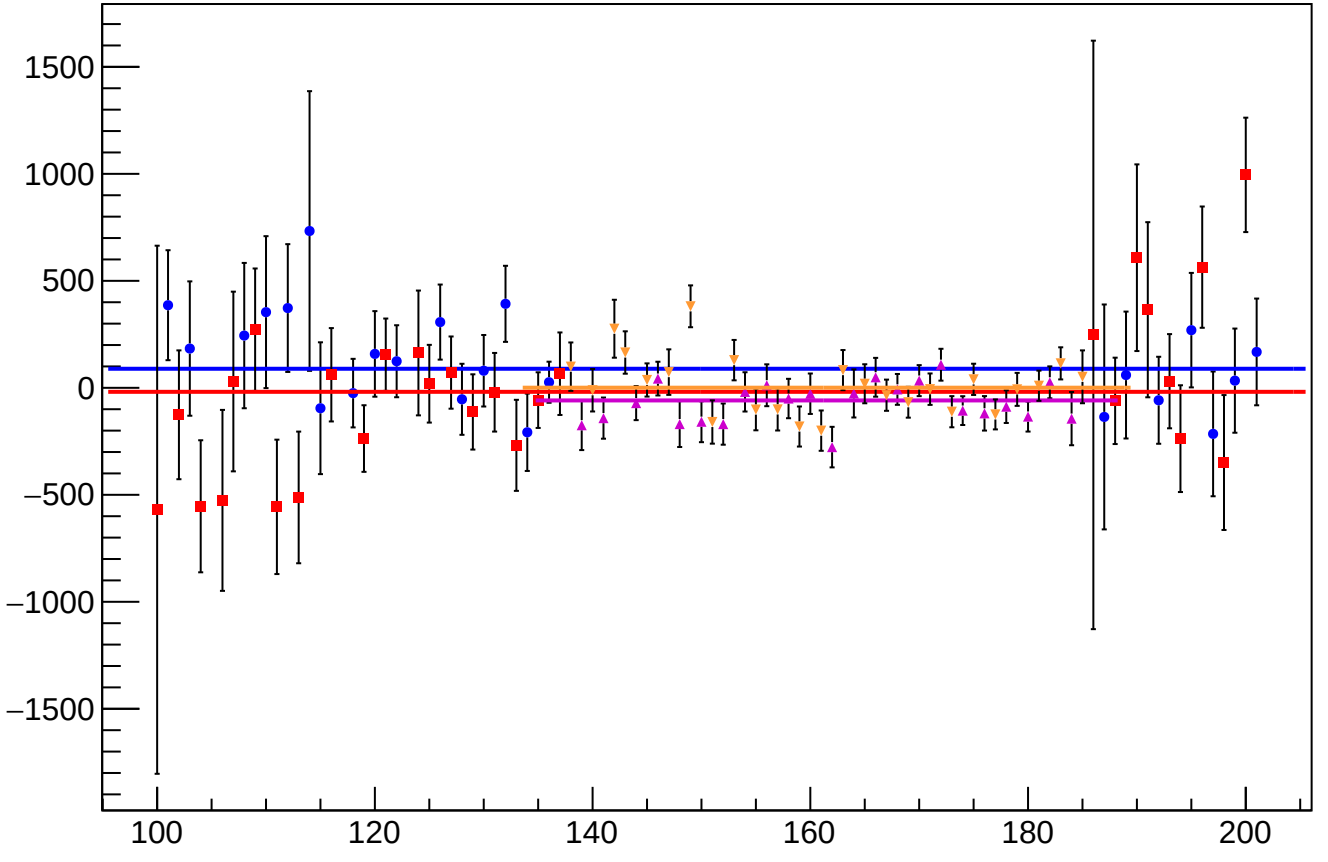
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8160078.7/47

All: 0.000+/-0.000 χ^2/NDF: 16275877.7/98

- sign 0.000+/-0.000 χ^2/NDF: 7838618.6/50

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: -18.685+/-43.832 χ^2/NDF: 40.7/27

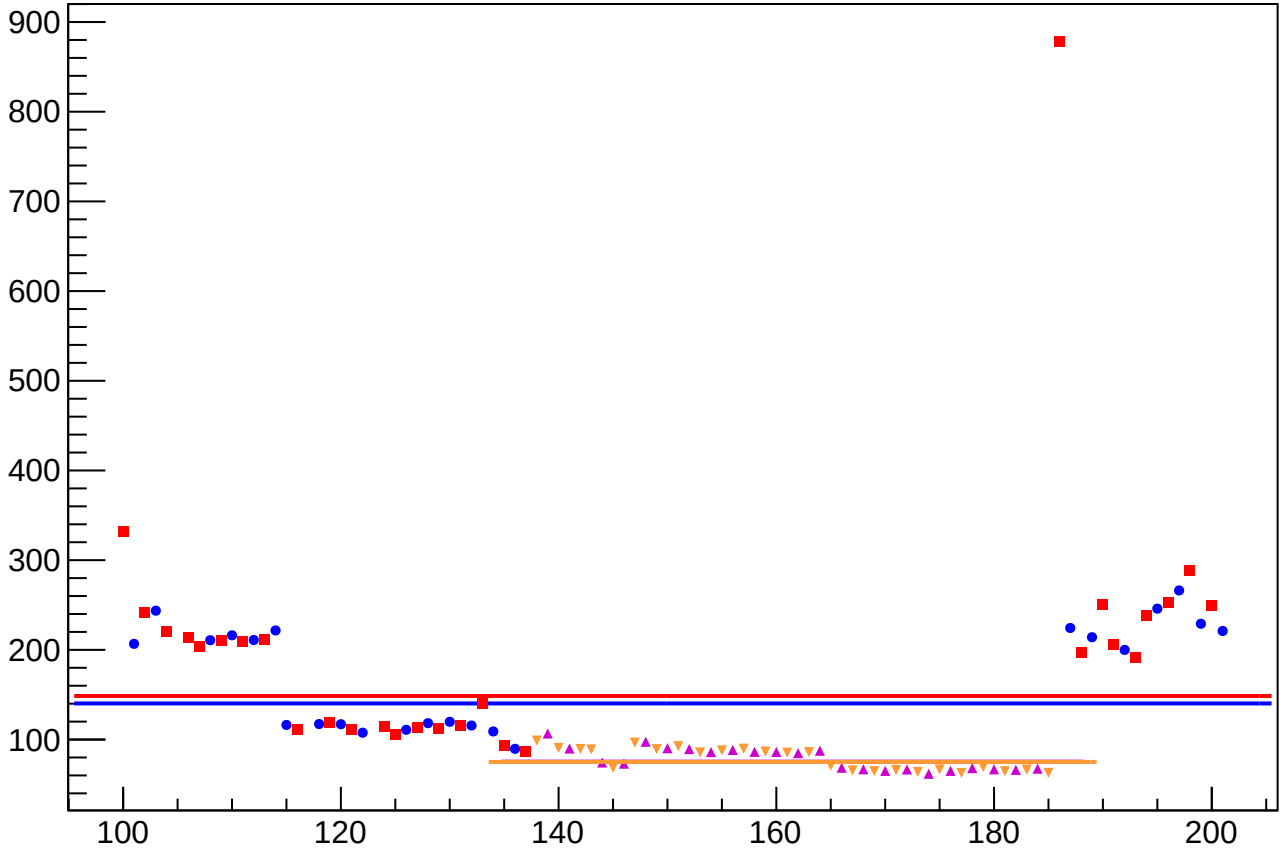
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.909+/-16.070 χ^2/NDF: 68.1/47

All: -19.148+/-11.531 χ^2/NDF: 143.5/98

- sign -53.169+/-16.555 χ^2/NDF: 67.2/50

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

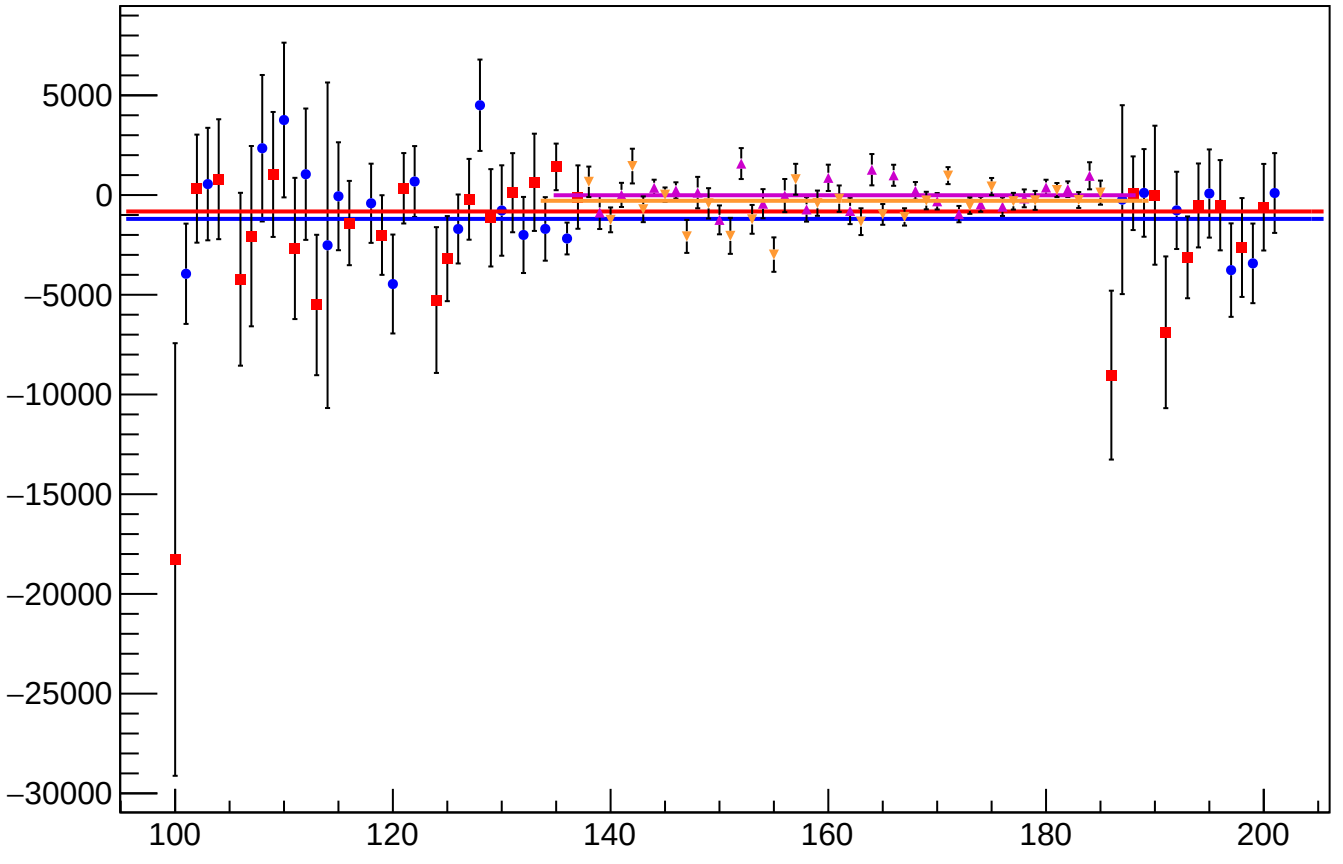
Right Out: 148.585+/-0.031 χ^2/NDF: 3965132.3/27

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 84.113+/-0.011 χ^2/NDF: 7984877.0/47

All: 84.931+/-0.008 χ^2/NDF: 17584877.0/98

- sign 85.799+/-0.012 χ^2/NDF: 9589325.9/50



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: -823.226+/-438.214 χ^2/NDF: 22.7/27

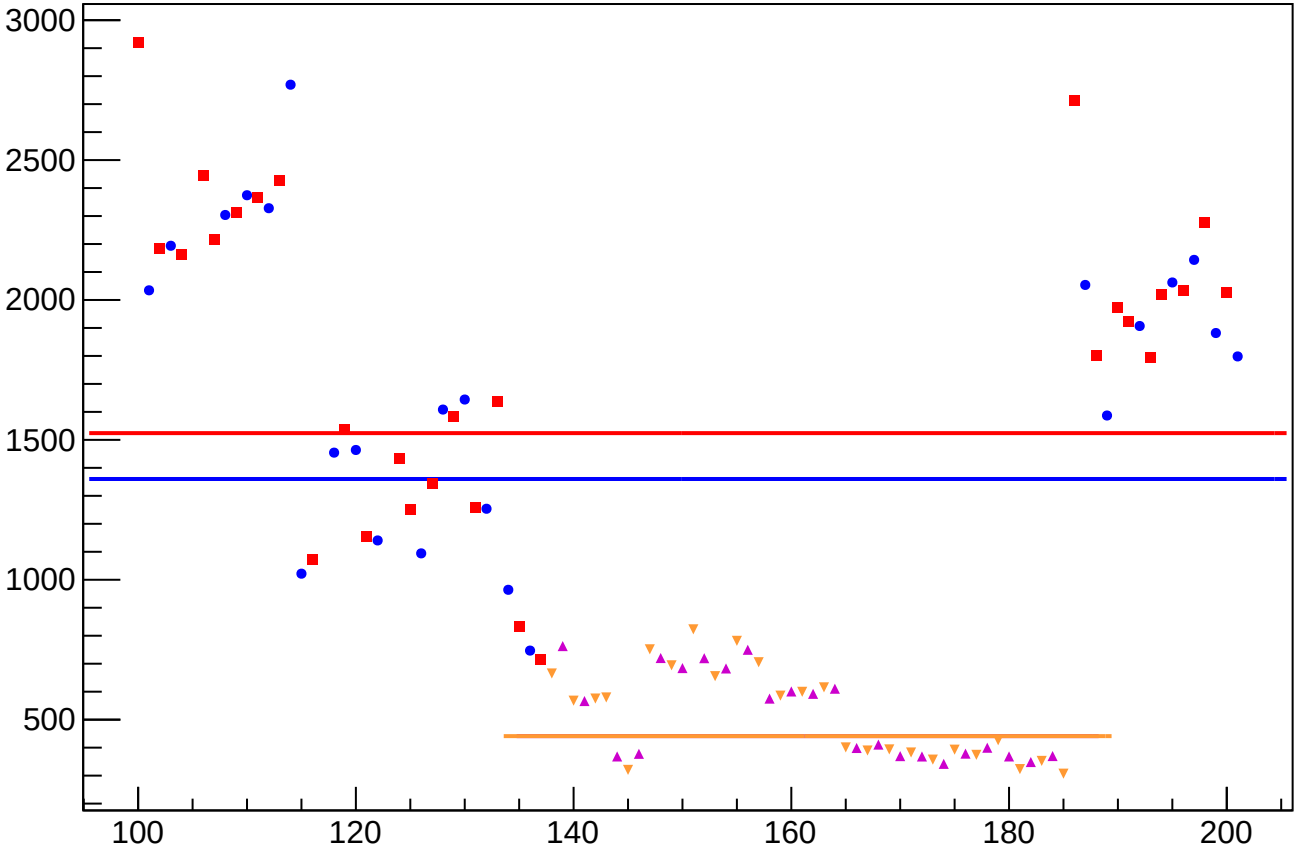
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -342.563+/-102.025 χ^2/NDF: 77.3/47

All: -203.239+/-73.022 χ^2/NDF: 140.5/98

- sign -56.905+/-104.560 χ^2/NDF: 59.4/50

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: 1524.115+/-0.310 χ^2/NDF: 3035166.6/27

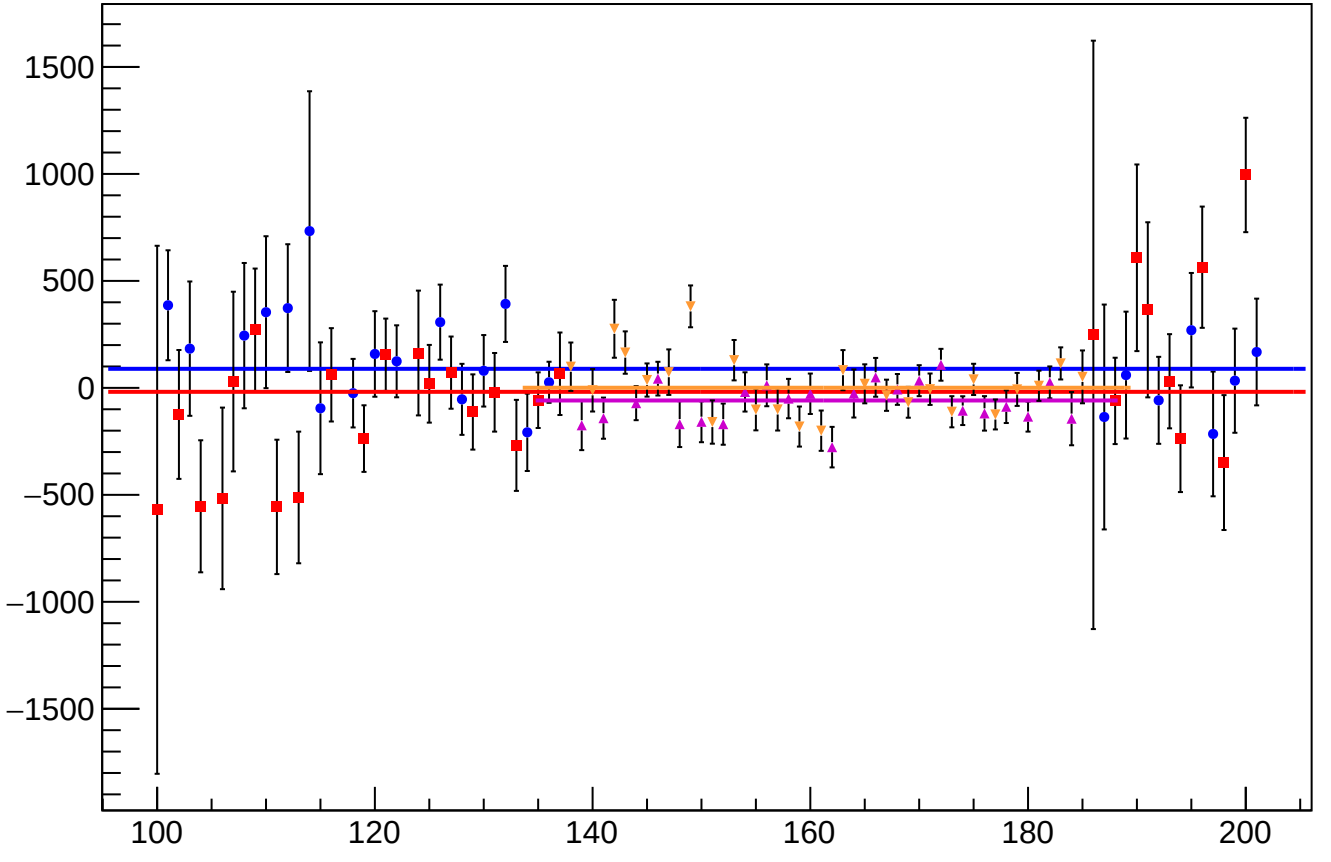
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 496.287+/-0.072 χ^2/NDF: 15574591.0/47

All: 499.487+/-0.052 χ^2/NDF: 32814264.4/98

- sign 502.849+/-0.074 χ^2/NDF: 17235638.5/50

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: -18.501+/-43.834 χ^2/NDF: 40.6/27

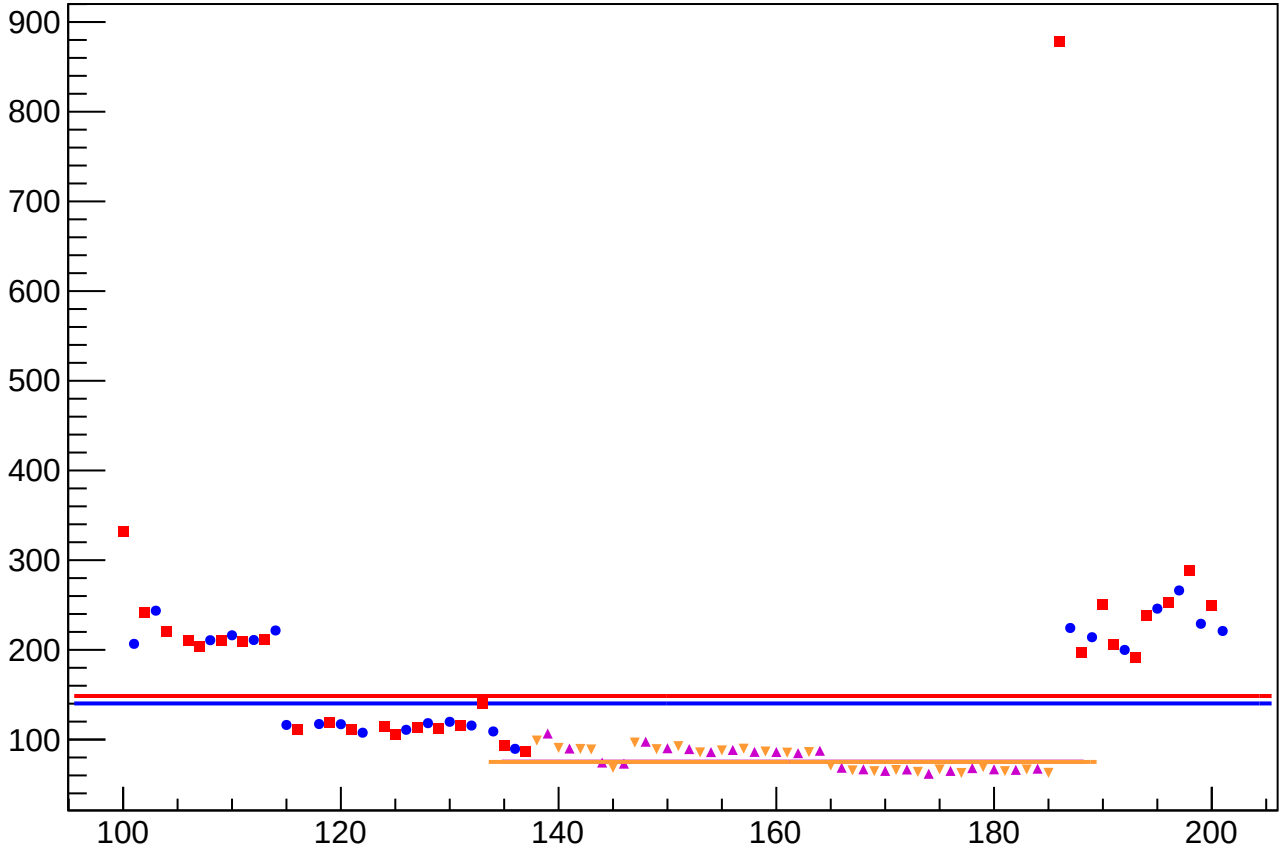
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.907+/-16.070 χ^2/NDF: 68.1/47

All: -19.135+/-11.531 χ^2/NDF: 143.4/98

- sign -53.141+/-16.555 χ^2/NDF: 67.2/50

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: 148.548+/-0.031 χ^2/NDF: 3960750.1/27

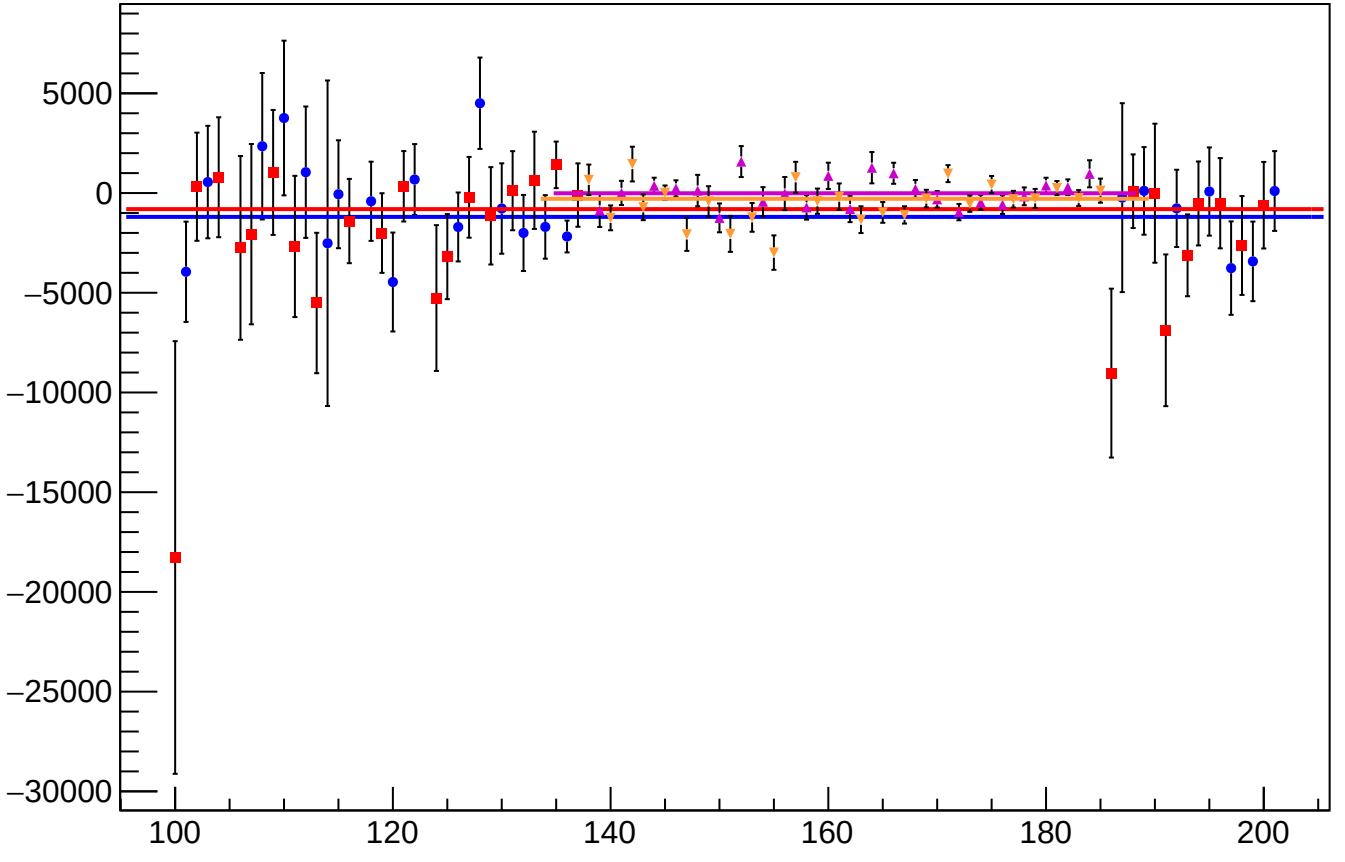
Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 84.113+/-0.011 χ^2/NDF: 7984879.0/47

All: 84.928+/-0.008 χ^2/NDF: 17575132.1/98

- sign 85.792+/-0.012 χ^2/NDF: 9579657.6/50

asym_sam_26_avg_cor_correction_mean vs Slug



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: -806.074+/-438.479 χ^2/NDF: 22.3/27

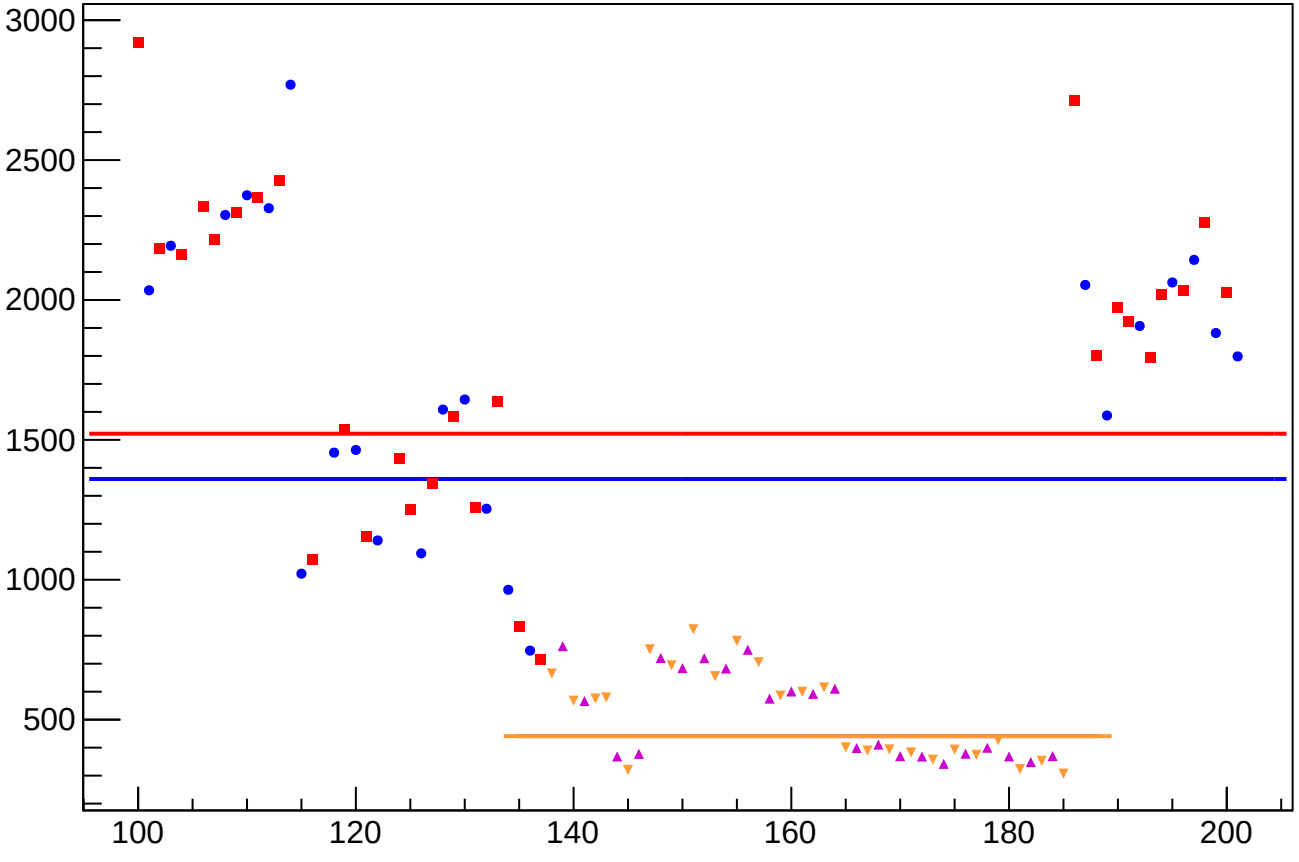
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -342.561+/-102.025 χ^2/NDF: 77.3/47

All: -202.742+/-73.023 χ^2/NDF: 139.9/98

- sign -55.878+/-104.563 χ^2/NDF: 58.8/50

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: 1522.058+/-0.310 χ^2/NDF: 3007264.1/27

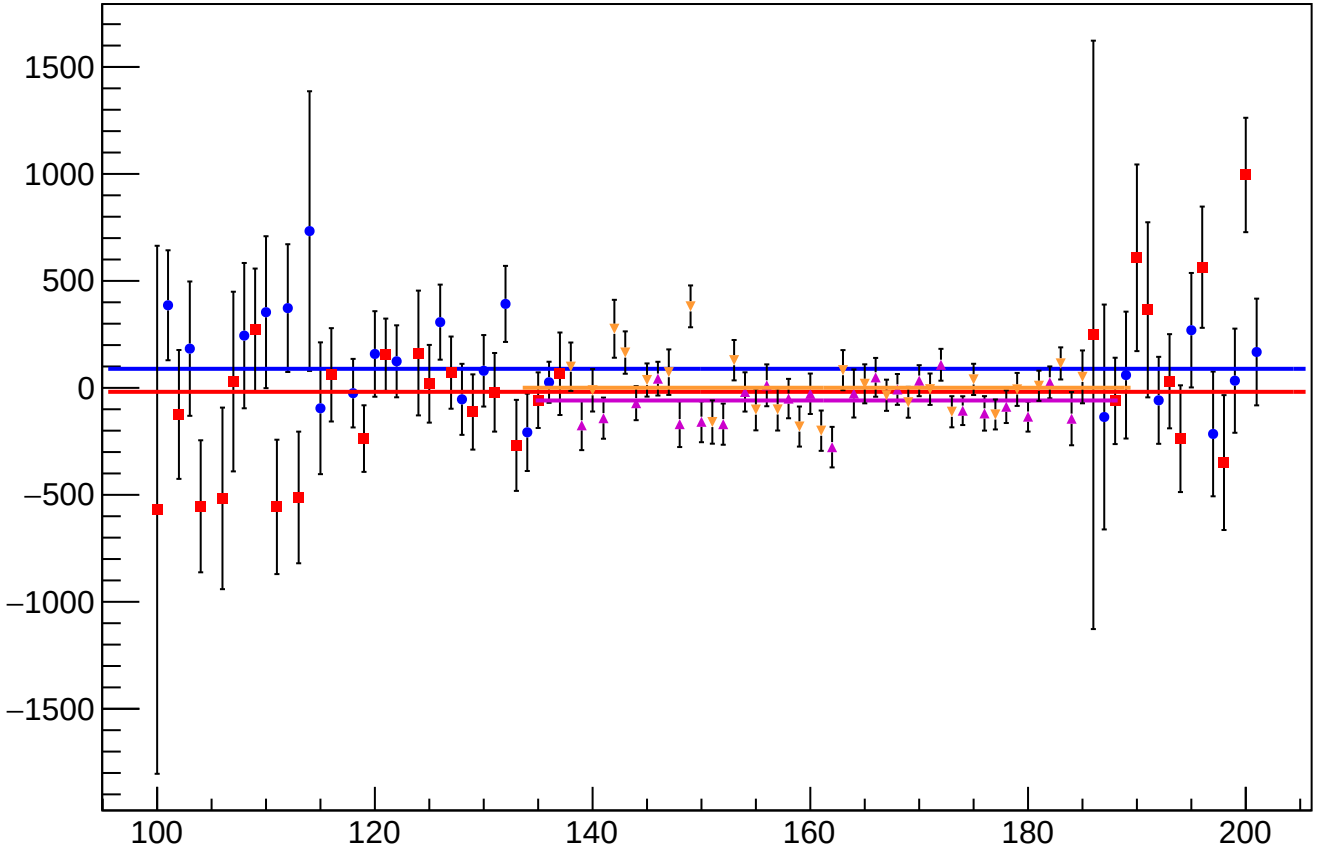
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 496.287+/-0.072 χ^2/NDF: 15574599.3/47

All: 499.396+/-0.052 χ^2/NDF: 32729347.1/98

- sign 502.662+/-0.074 χ^2/NDF: 17150939.7/50

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: -18.501+/-43.834 χ^2/NDF: 40.6/27

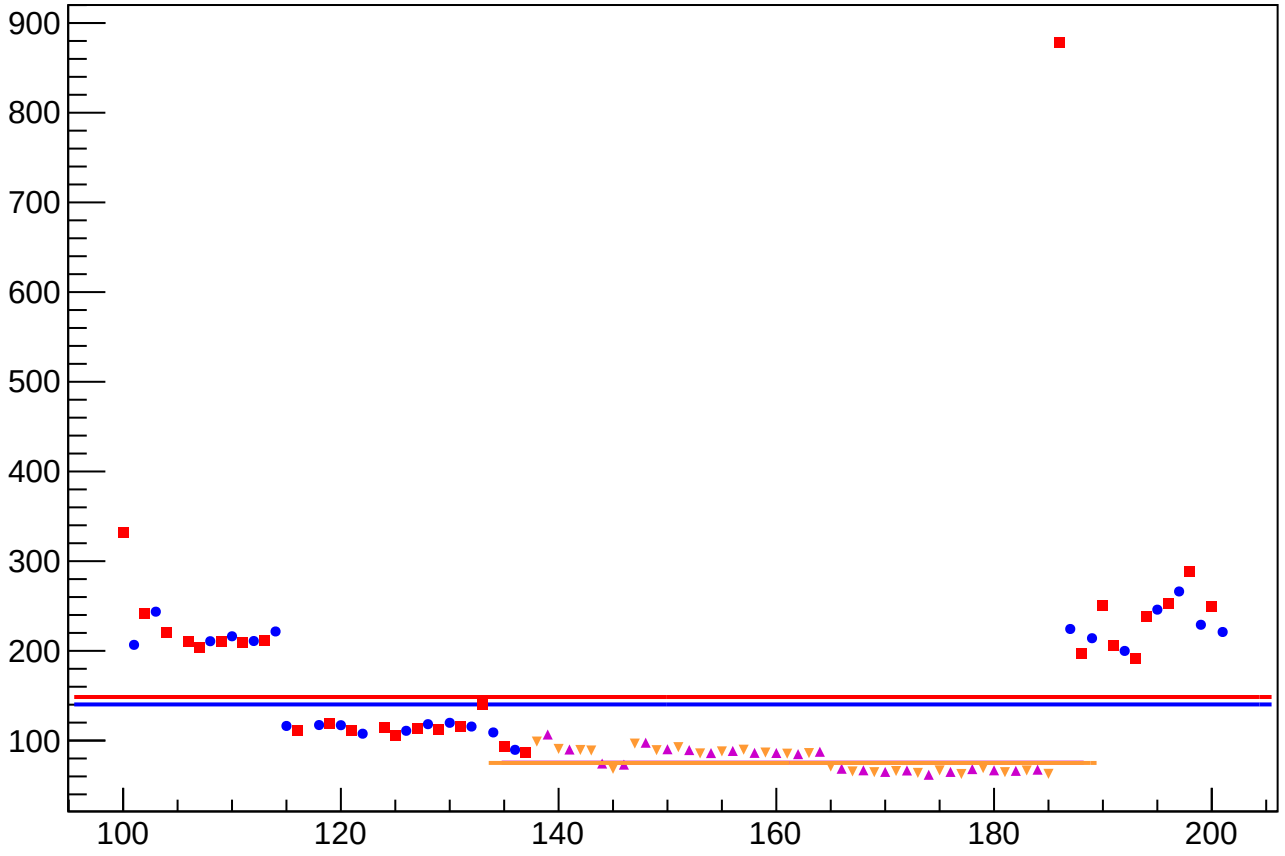
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.907+/-16.070 χ^2/NDF: 68.1/47

All: -19.135+/-11.531 χ^2/NDF: 143.4/98

- sign -53.141+/-16.555 χ^2/NDF: 67.2/50

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

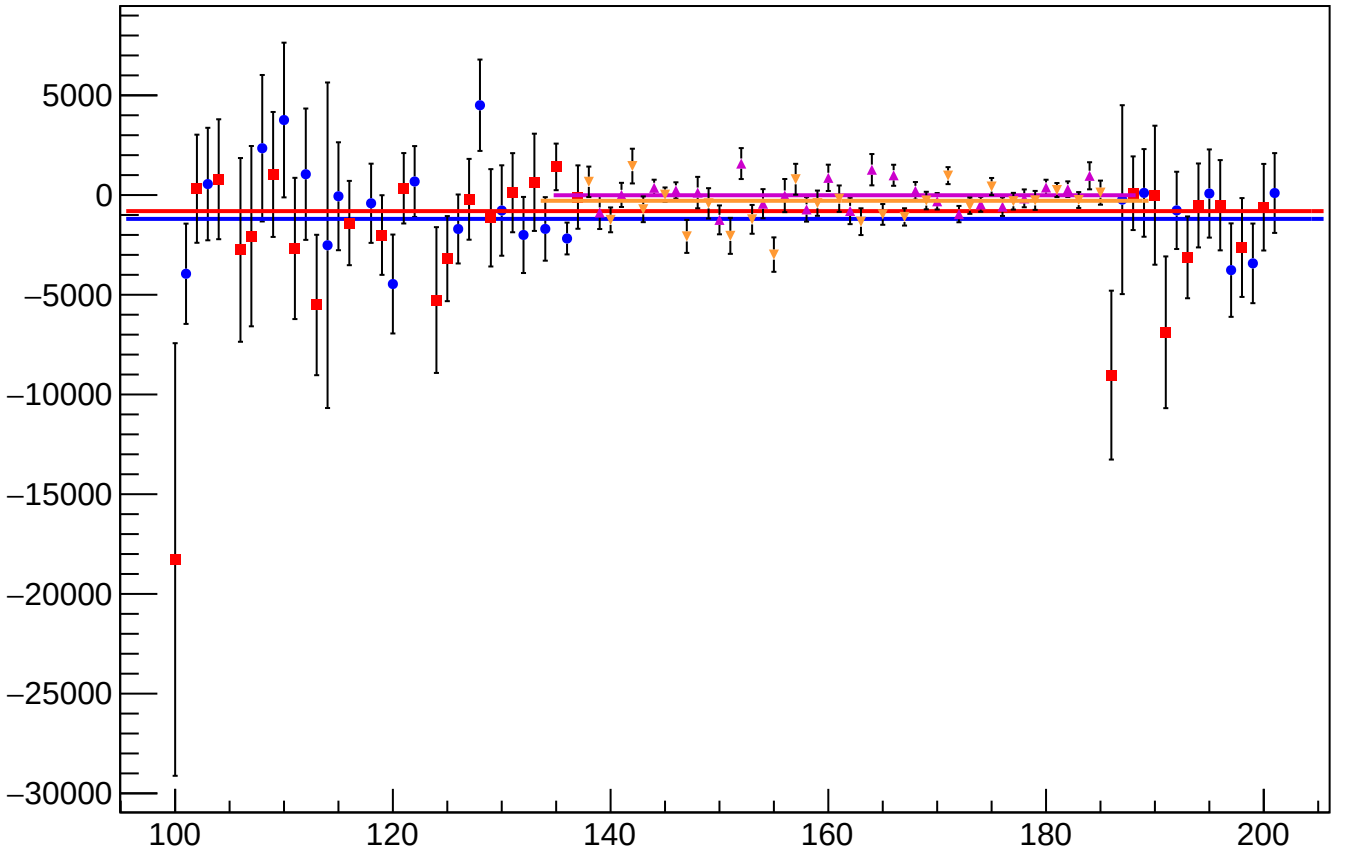
Right Out: 148.548+/-0.031 χ^2/NDF: 3960750.1/27

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 84.113+/-0.011 χ^2/NDF: 7984879.0/47

All: 84.928+/-0.008 χ^2/NDF: 17575132.1/98

- sign 85.792+/-0.012 χ^2/NDF: 9579657.6/50



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: -806.074+/-438.479 χ^2/NDF: 22.3/27

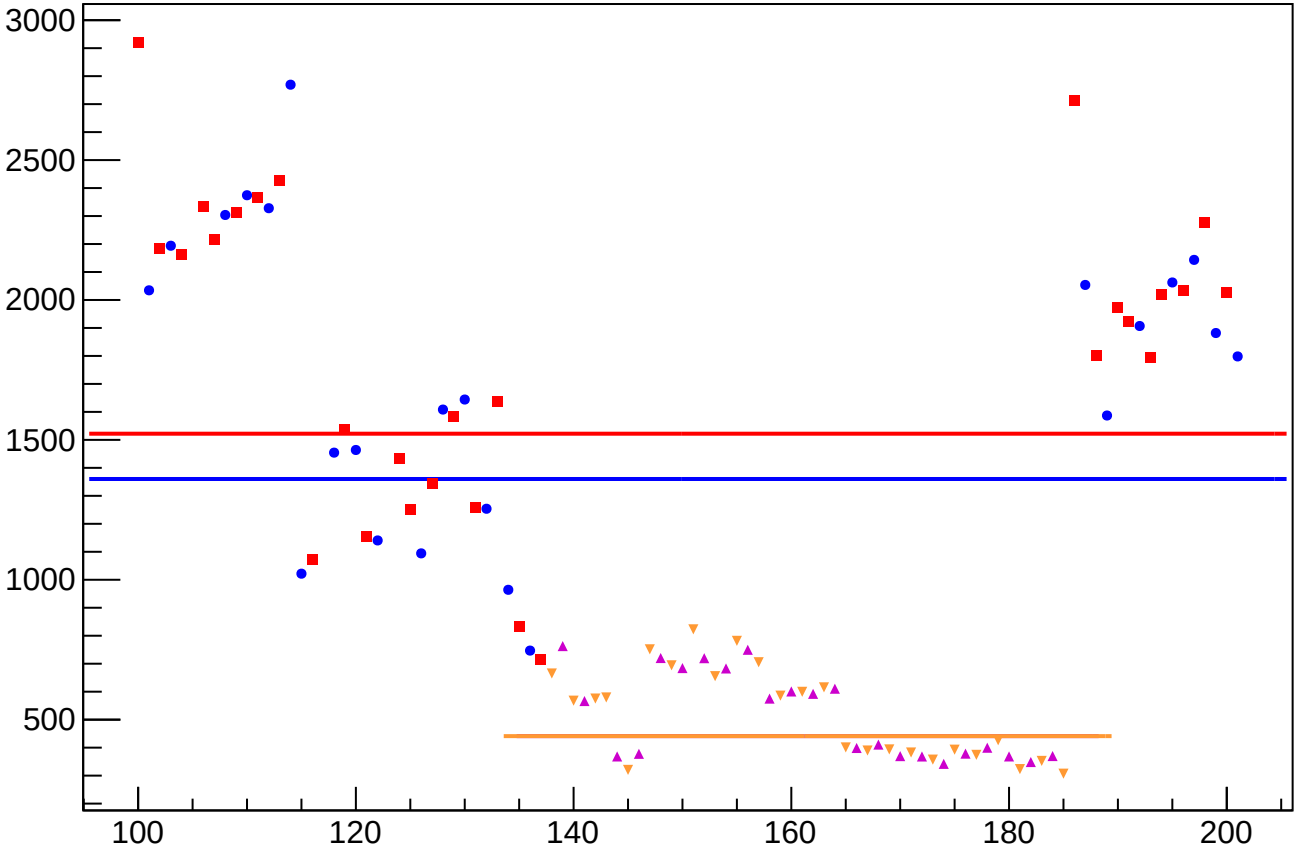
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -342.561+/-102.025 χ^2/NDF: 77.3/47

All: -202.742+/-73.023 χ^2/NDF: 139.9/98

- sign -55.878+/-104.563 χ^2/NDF: 58.8/50

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: 1522.058+/-0.310 χ^2/NDF: 3007264.1/27

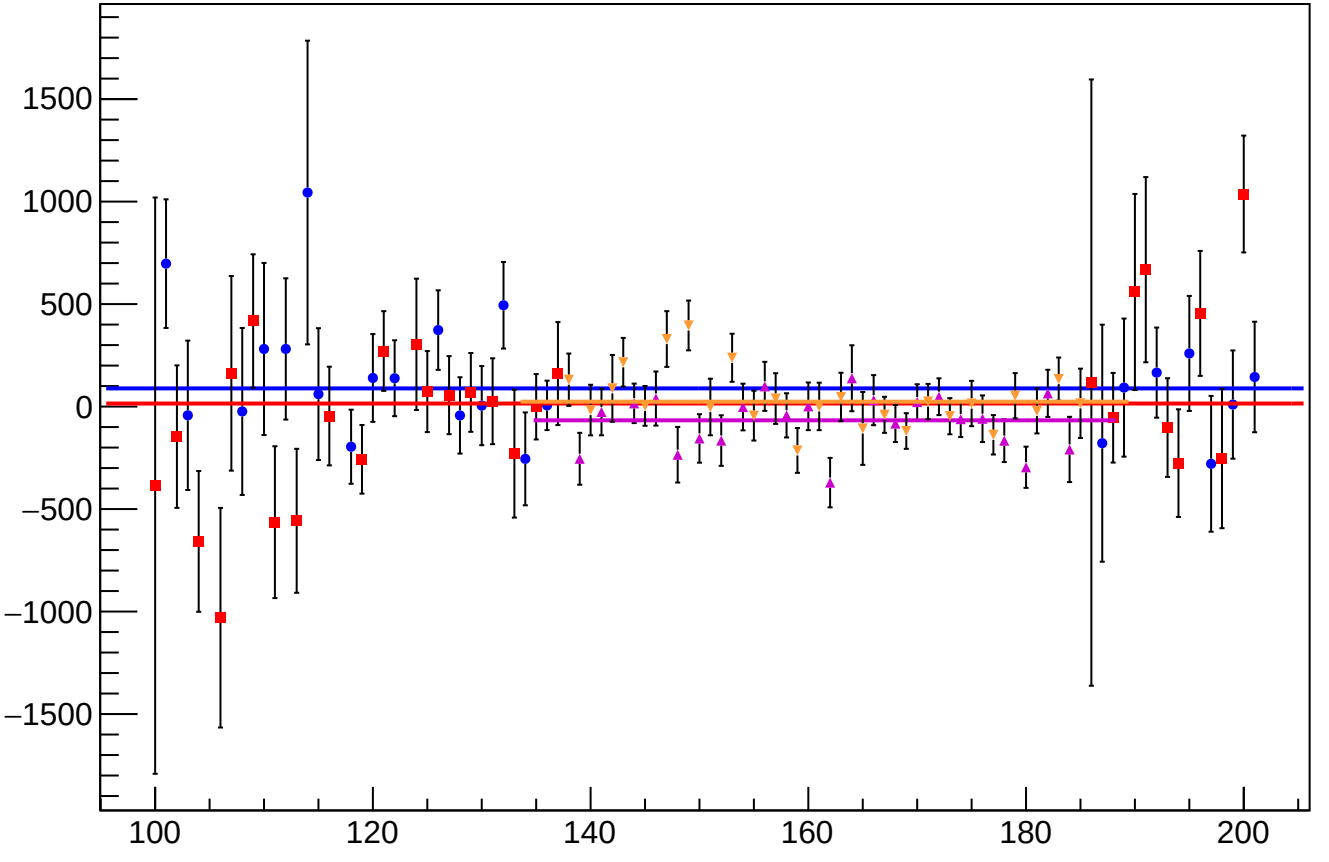
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 496.287+/-0.072 χ^2/NDF: 15574599.3/47

All: 499.396+/-0.052 χ^2/NDF: 32729347.1/98

- sign 502.662+/-0.074 χ^2/NDF: 17150939.7/50

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: 14.862+/-49.892 χ^2/NDF: 41.6/27

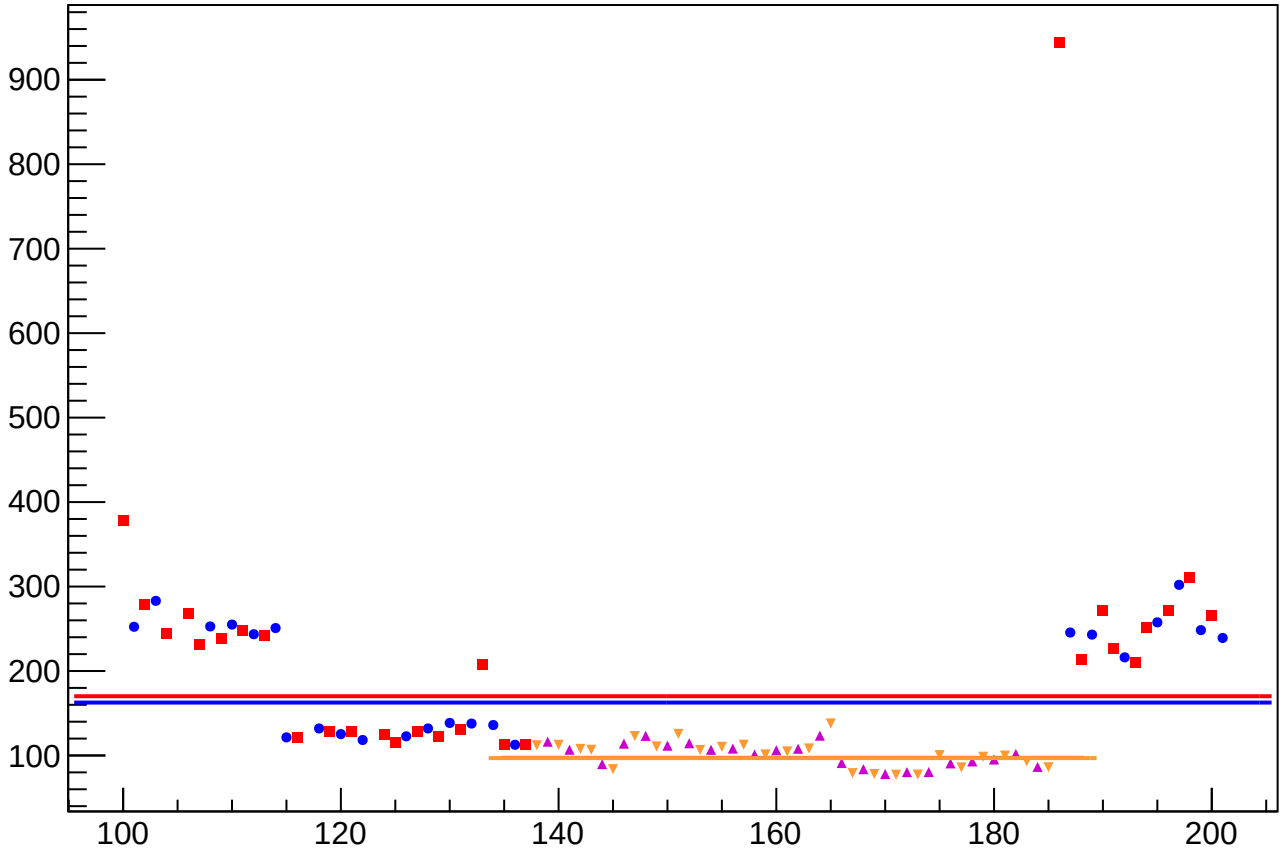
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 34.859+/-20.426 χ^2/NDF: 56.7/47

All: -7.704+/-14.635 χ^2/NDF: 138.1/98

- sign -52.598+/-20.978 χ^2/NDF: 72.5/50

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

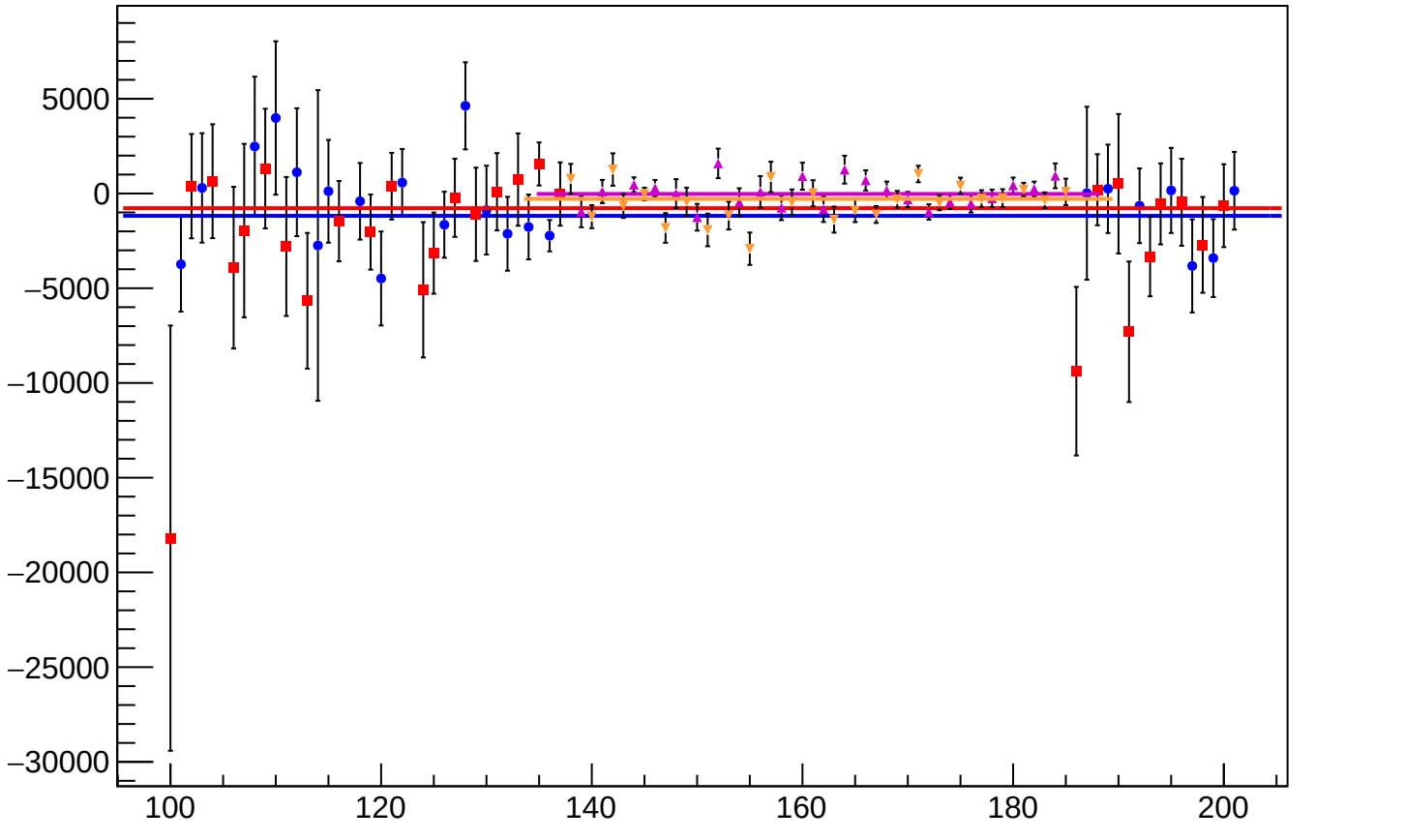
Right Out: 170.150+/-0.035 χ^2/NDF: 3638334.2/27

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 108.051+/-0.014 χ^2/NDF: 6628709.1/47

All: 109.034+/-0.010 χ^2/NDF: 14474192.3/98

- sign 110.070+/-0.015 χ^2/NDF: 7835975.5/50



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: -774.948+/-441.637 χ^2/NDF: 24.1/27

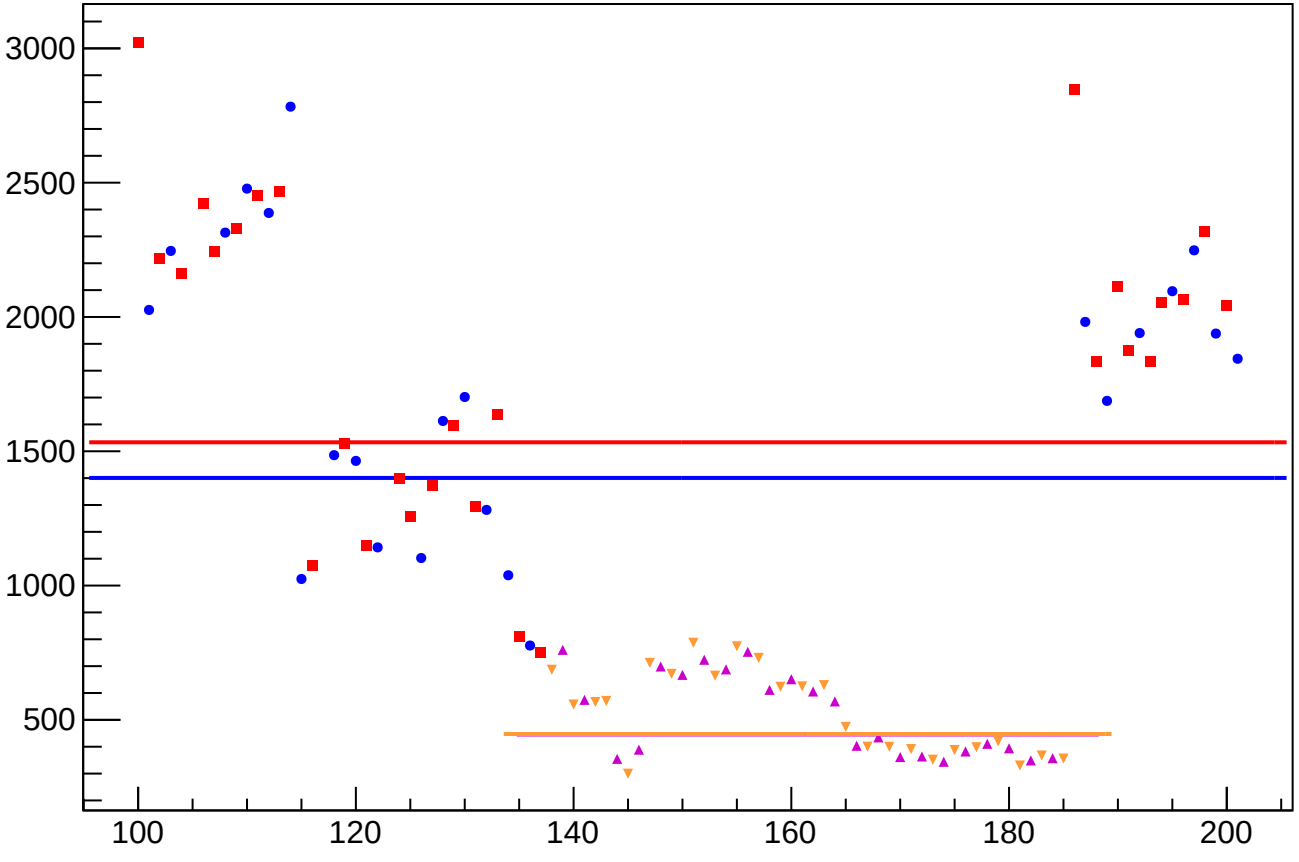
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -334.713+/-103.247 χ^2/NDF: 74.2/47

All: -204.325+/-73.865 χ^2/NDF: 137.2/98

- sign -67.620+/-105.718 χ^2/NDF: 59.7/50

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: 1533.447+/-0.312 χ^2/NDF: 3148011.9/27

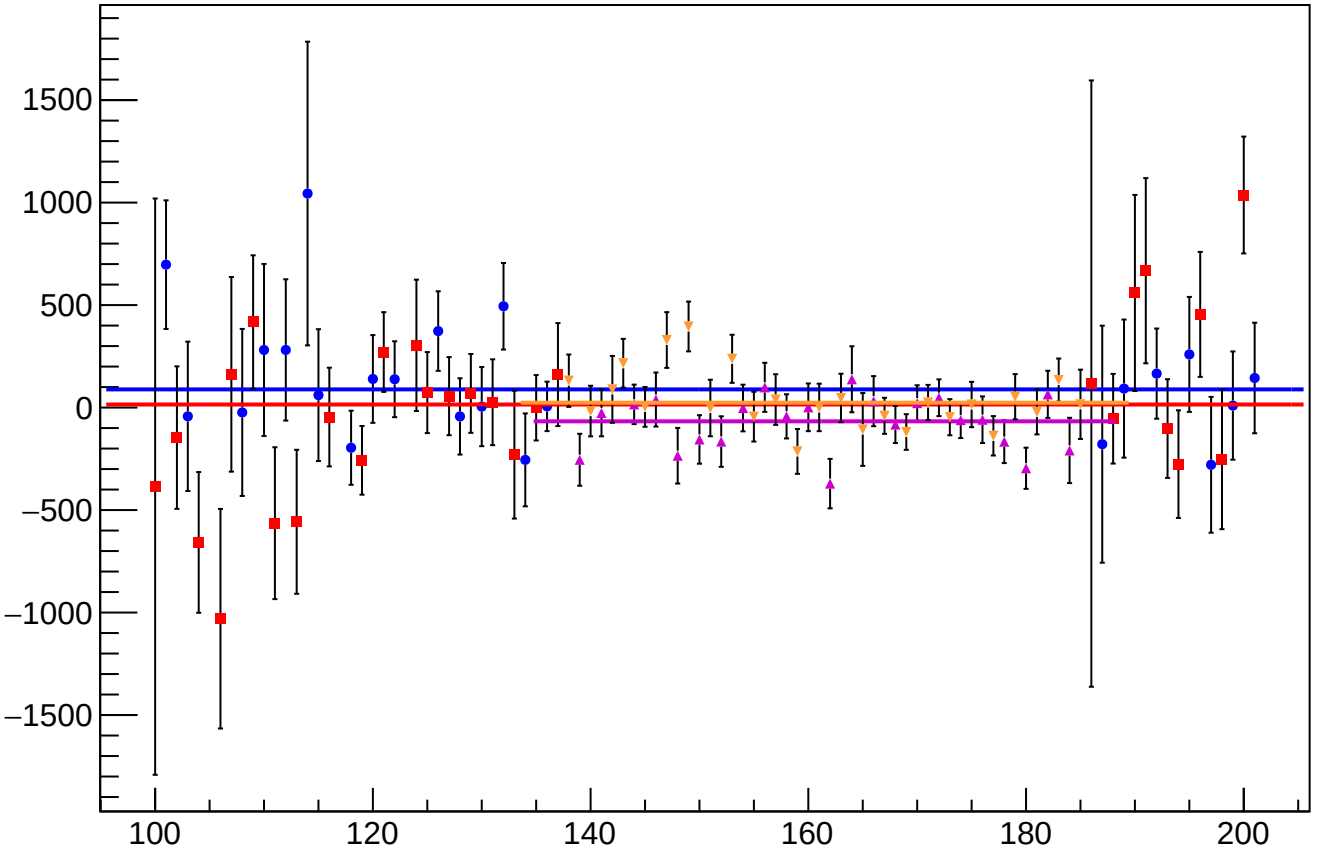
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 502.956+/-0.073 χ^2/NDF: 15646605.5/47

All: 505.337+/-0.052 χ^2/NDF: 32951873.3/98

- sign 507.833+/-0.075 χ^2/NDF: 17303090.0/50

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: 14.861+/-49.892 χ^2/NDF: 41.6/27

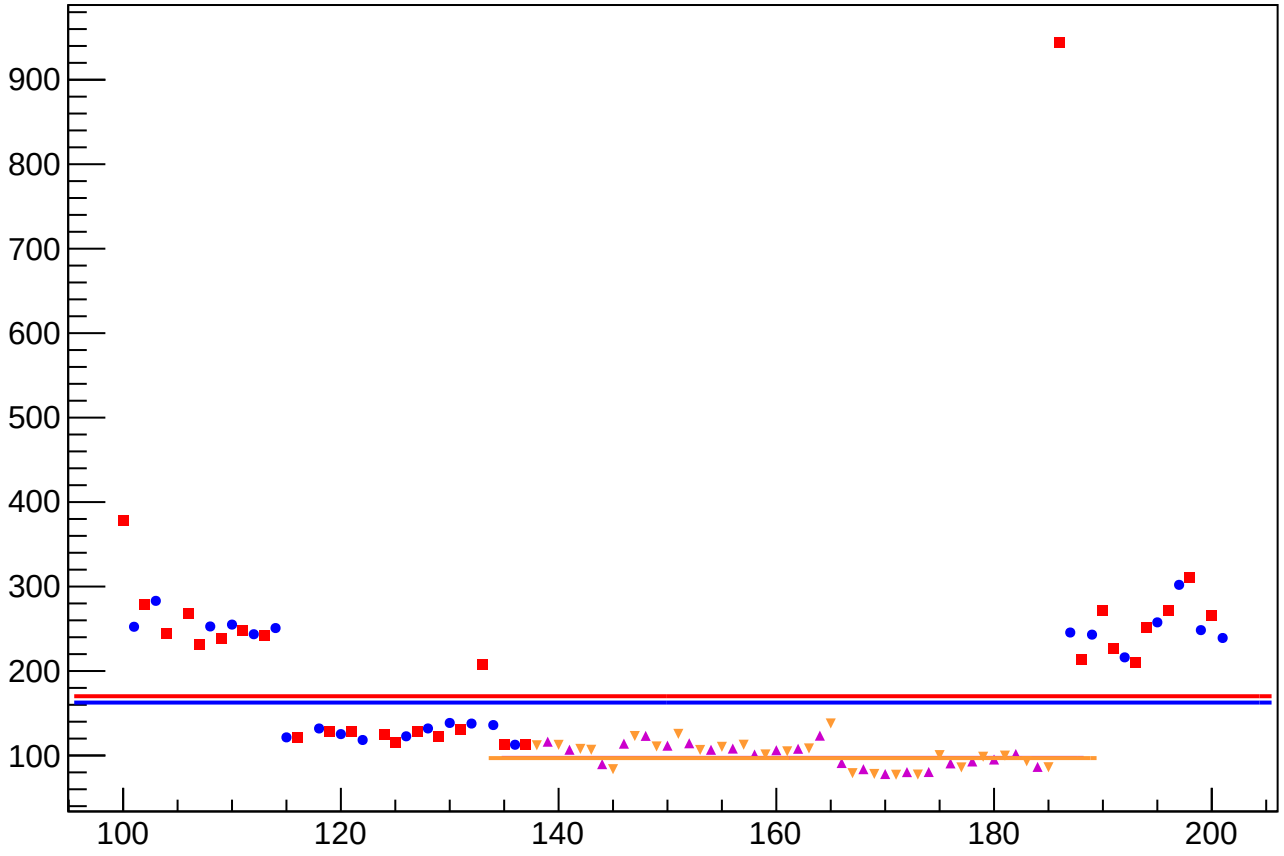
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 34.858+/-20.426 χ^2/NDF: 56.7/47

All: -7.705+/-14.635 χ^2/NDF: 138.1/98

- sign -52.598+/-20.978 χ^2/NDF: 72.5/50

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

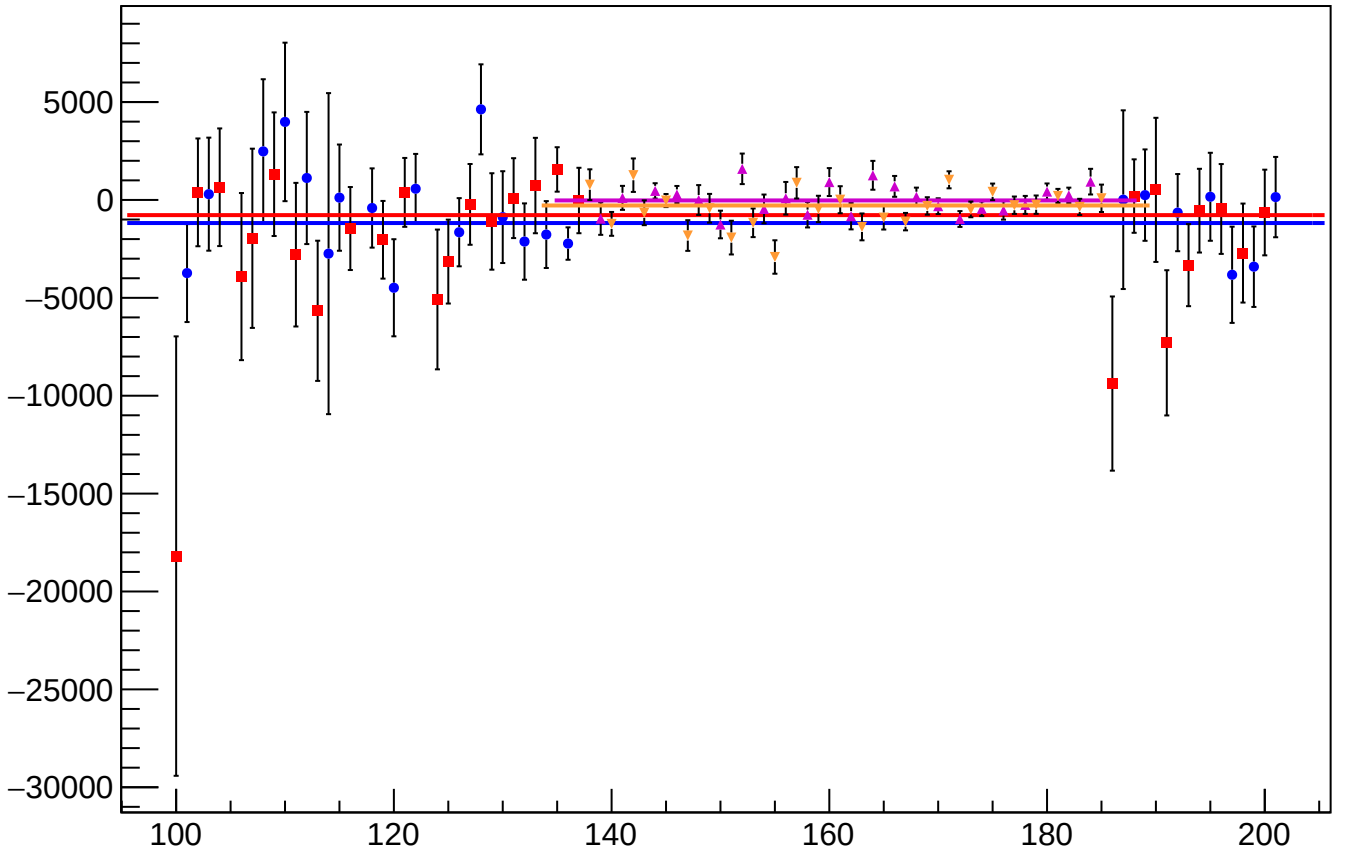
Right Out: 170.150+/-0.035 χ^2/NDF: 3638334.2/27

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 108.051+/-0.014 χ^2/NDF: 6628648.2/47

All: 109.034+/-0.010 χ^2/NDF: 14474058.6/98

- sign 110.070+/-0.015 χ^2/NDF: 7835901.6/50



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: -774.949+/-441.637 χ^2/NDF: 24.1/27

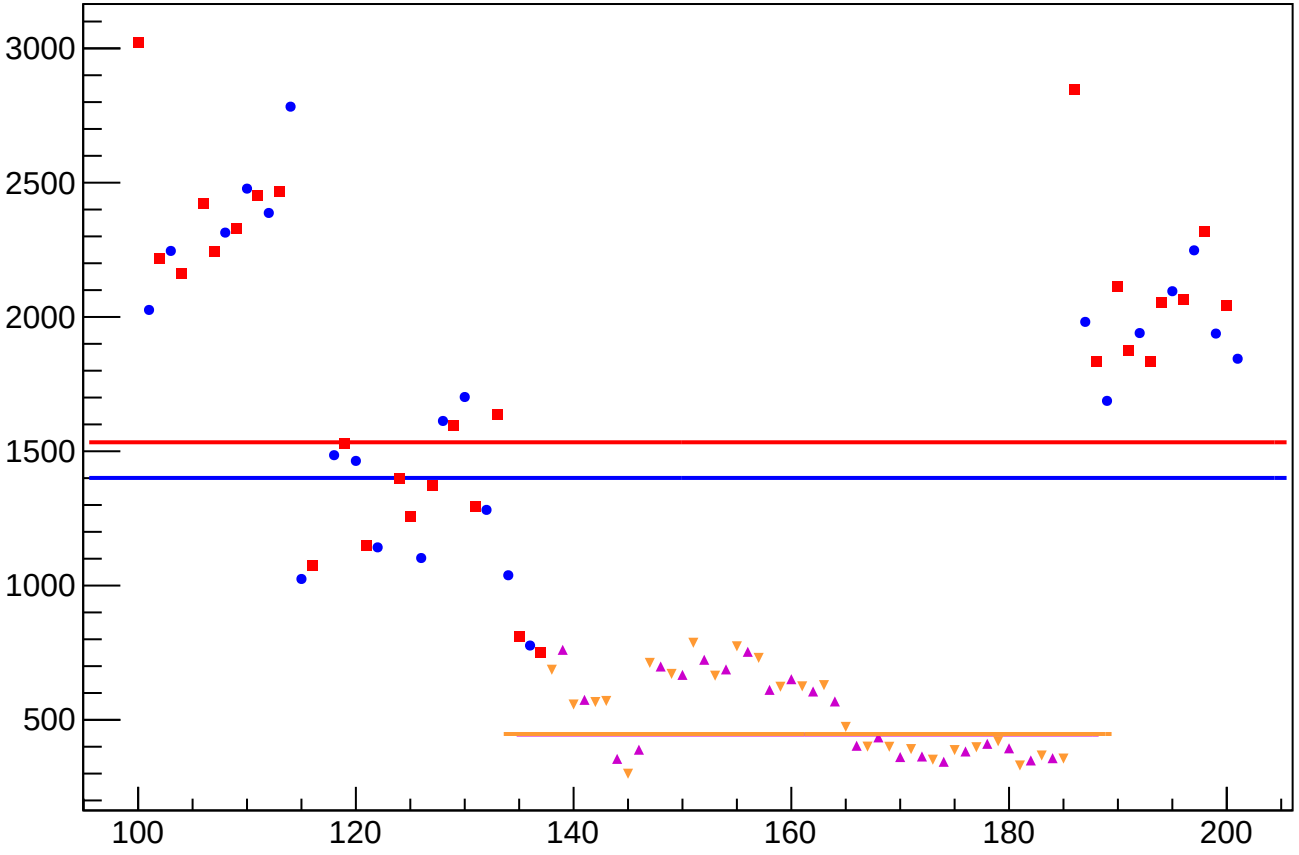
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -334.712+/-103.247 χ^2/NDF: 74.2/47

All: -204.325+/-73.865 χ^2/NDF: 137.2/98

- sign -67.621+/-105.718 χ^2/NDF: 59.7/50

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: 1533.446+/-0.312 χ^2/NDF: 3148000.3/27

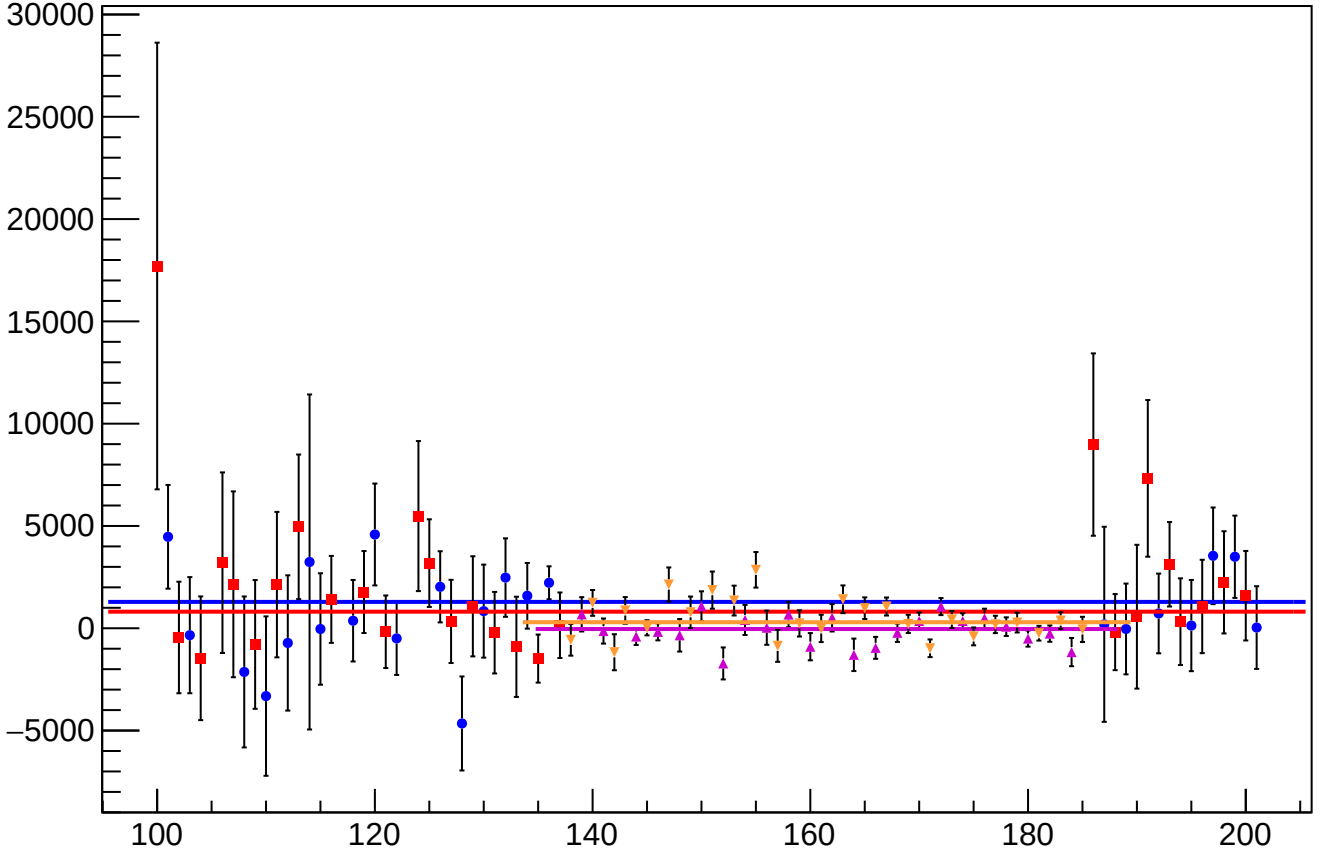
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 502.956+/-0.073 χ^2/NDF: 15646621.9/47

All: 505.337+/-0.052 χ^2/NDF: 32951894.9/98

- sign 507.832+/-0.075 χ^2/NDF: 17303095.0/50

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: 810.011+/-440.989 χ^2/NDF: 21.9/27

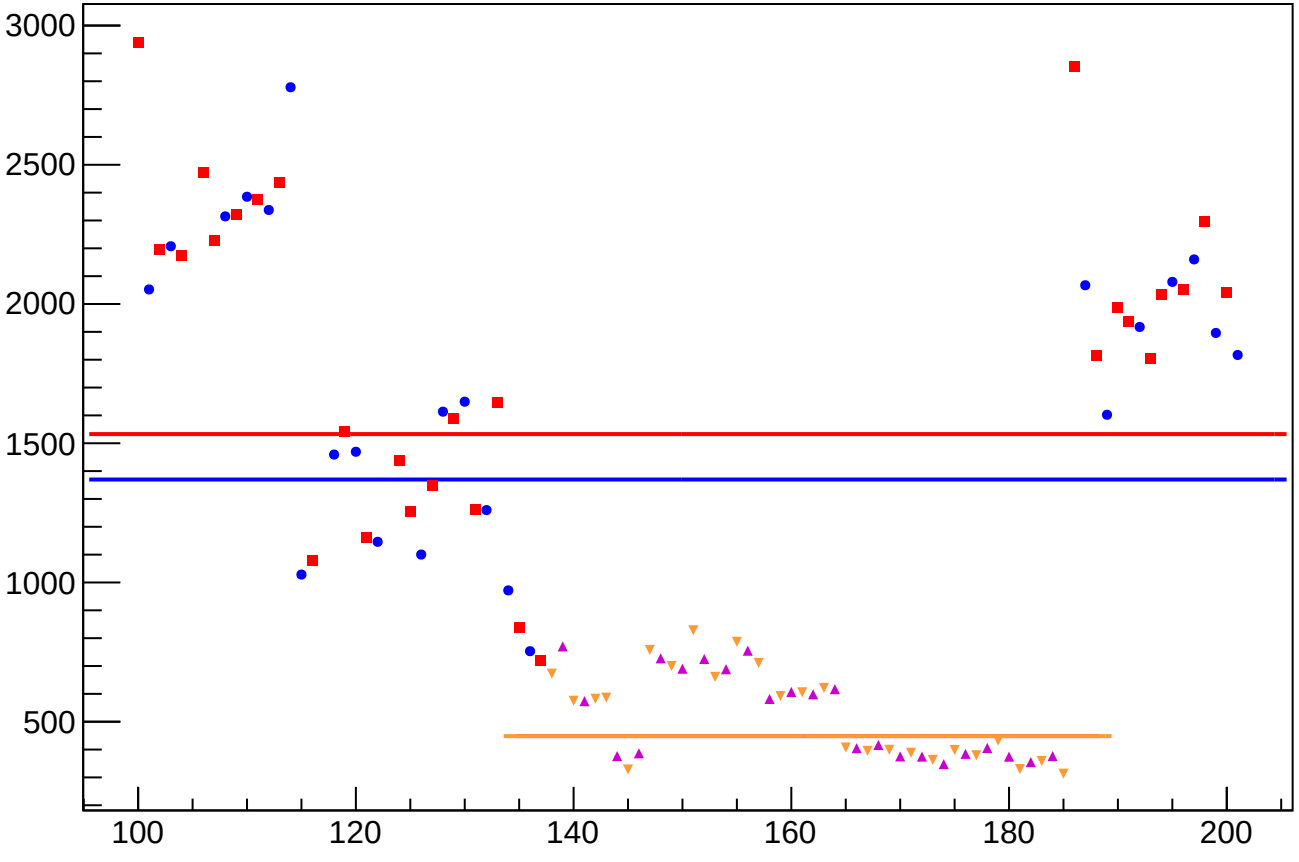
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 355.550+/-103.504 χ^2/NDF: 75.5/47

All: 187.544+/-74.091 χ^2/NDF: 139.3/98

- sign 10.991+/-106.104 χ^2/NDF: 58.3/50

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

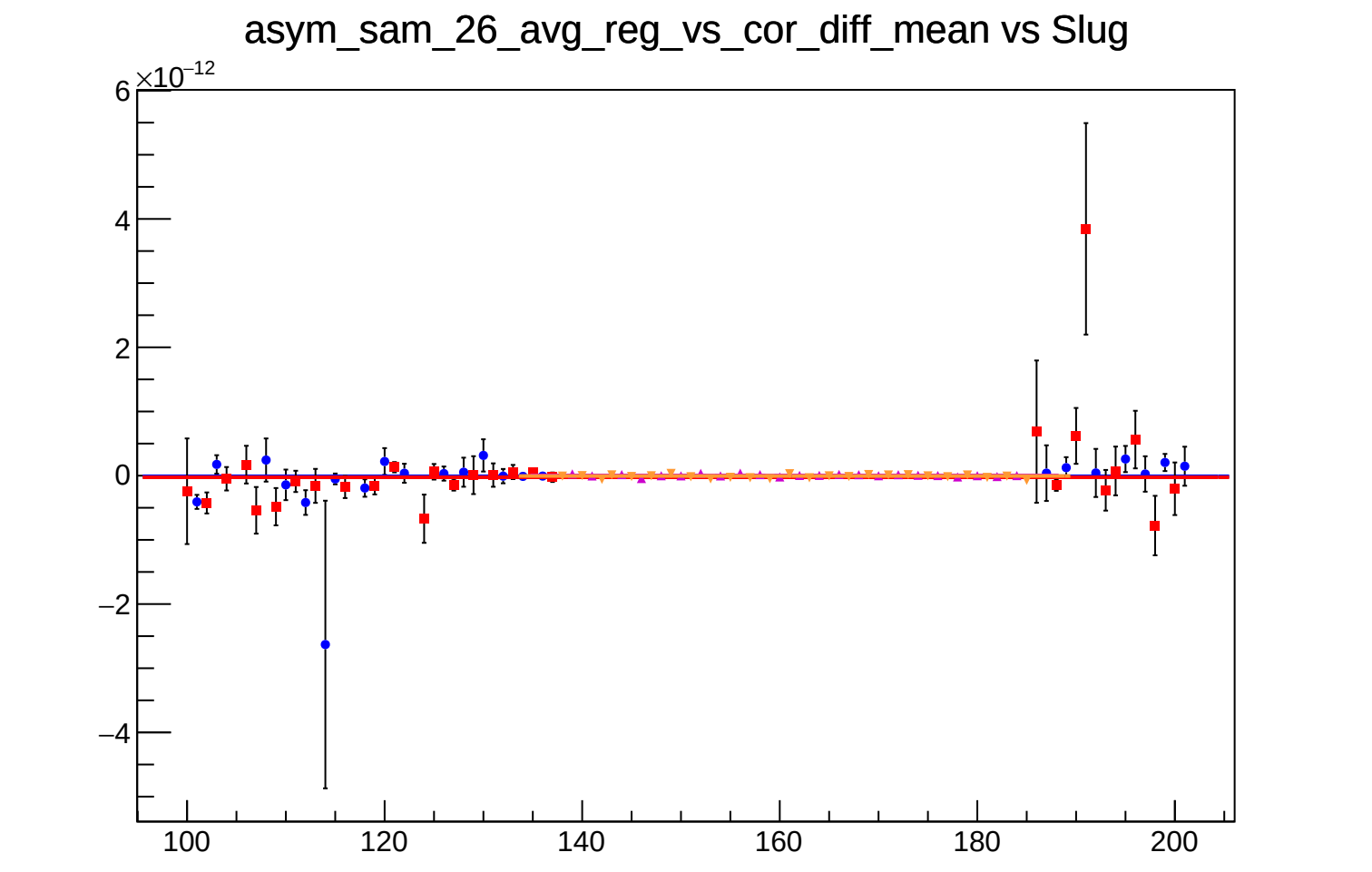
Right Out: 1532.901+/-0.312 χ^2/NDF: 3056619.3/27

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 504.433+/-0.073 χ^2/NDF: 15403468.8/47

All: 507.723+/-0.052 χ^2/NDF: 32480588.6/98

- sign 511.180+/-0.075 χ^2/NDF: 17072976.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 32.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

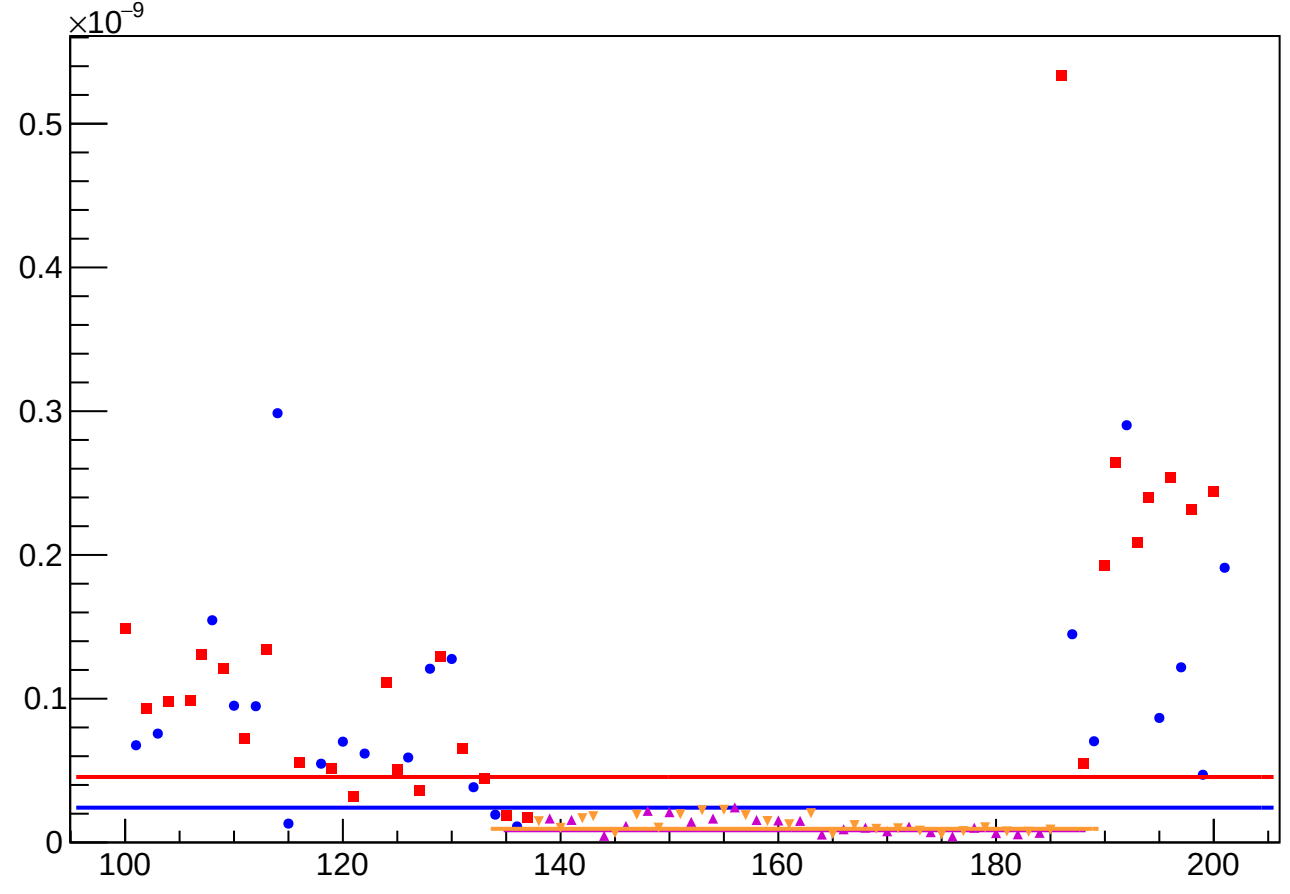
Right Out: -0.000+/-0.000 χ^2/NDF: 40.7/27

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: 116.5/98

- sign 0.000+/-0.000 χ^2/NDF: 58.6/50



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: 5139362.5/27

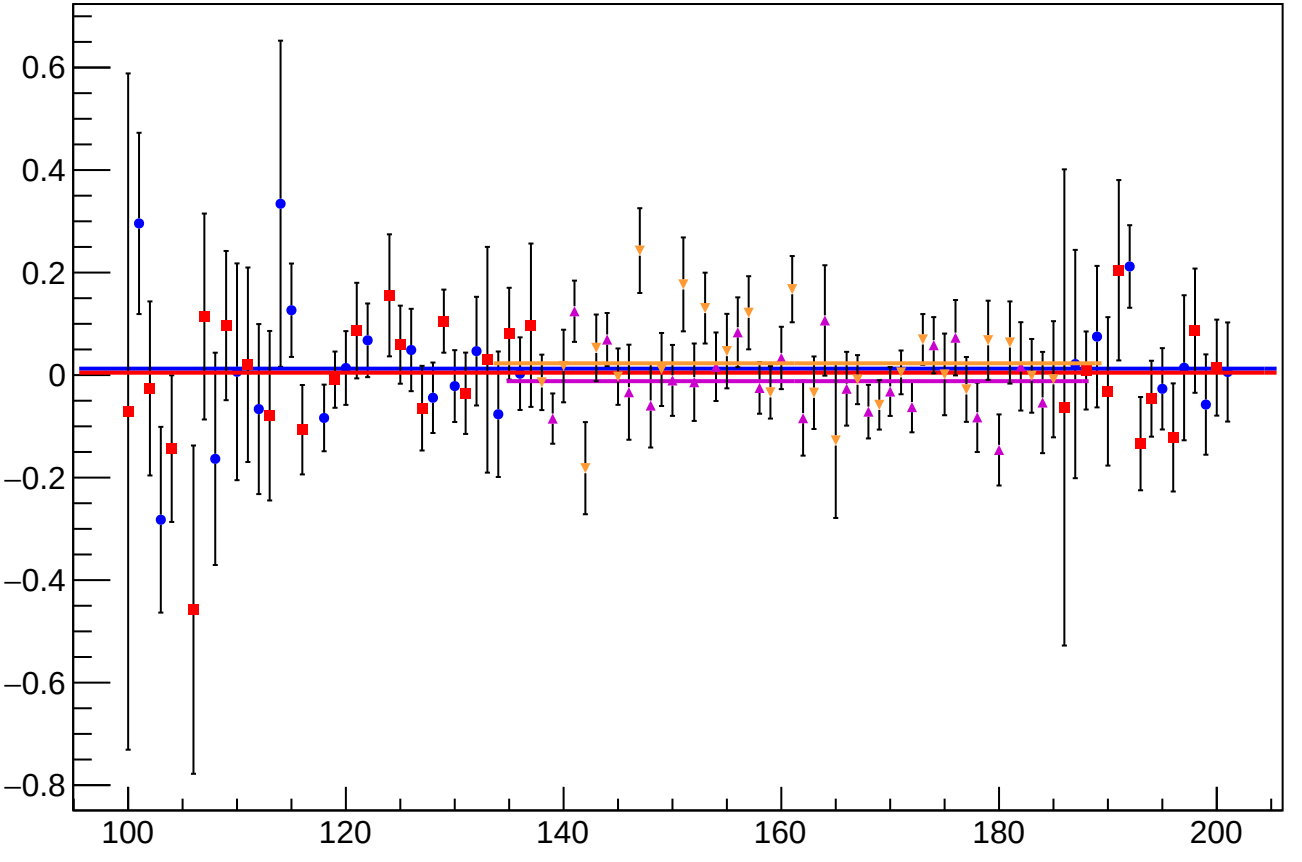
Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9652581.6/47

All: 0.000+/-0.000 χ^2/NDF: 21568608.2/98

- sign 0.000+/-0.000 χ^2/NDF: 11851706.3/50

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



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: 0.005+/-0.019 χ^2/NDF: 19.5/27

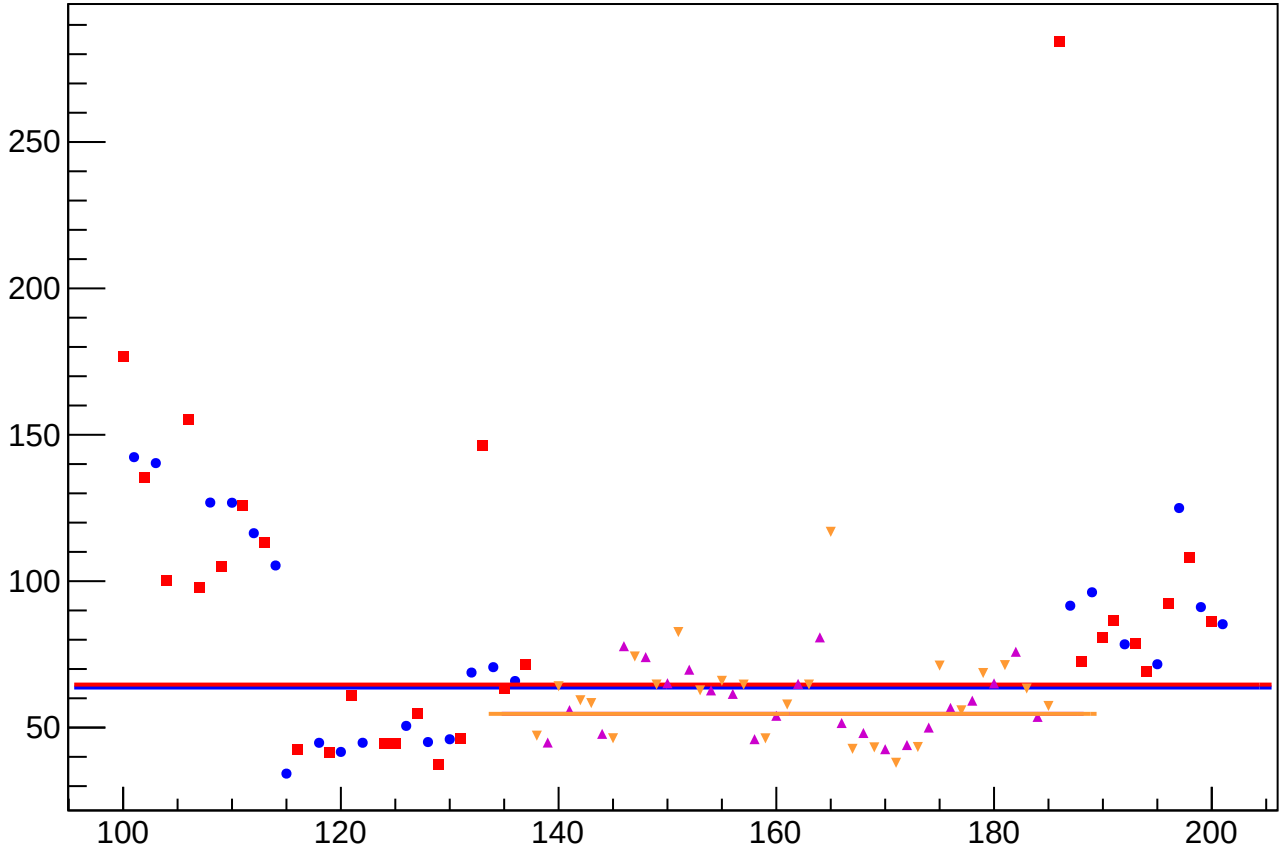
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.020+/-0.011 χ^2/NDF: 54.8/47

All: 0.007+/-0.008 χ^2/NDF: 103.6/98

- sign -0.007+/-0.011 χ^2/NDF: 45.9/50

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

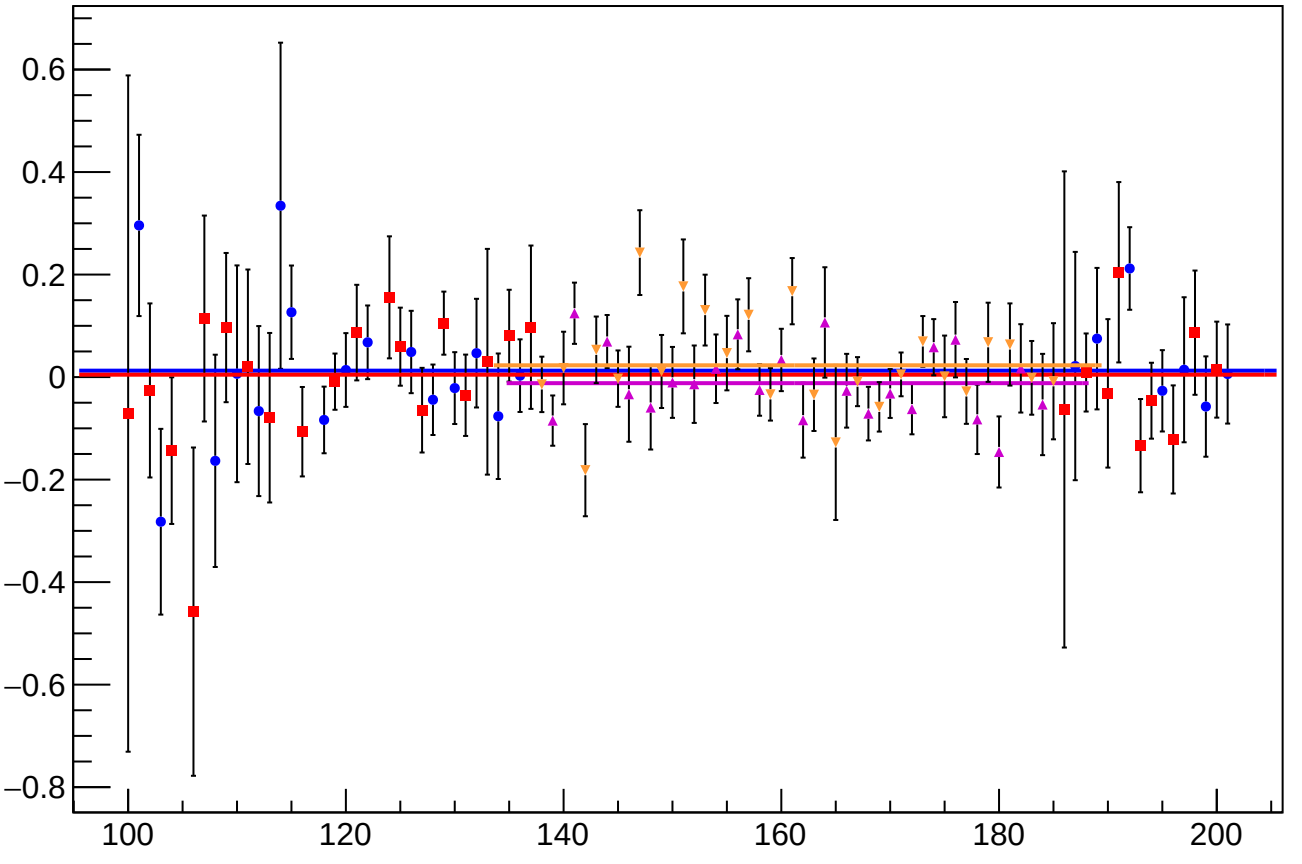
Right Out: 64.679+/-0.014 χ^2/NDF: 3862239.2/27

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 57.314+/-0.008 χ^2/NDF: 5478634.7/47

All: 57.583+/-0.005 χ^2/NDF: 10894181.6/98

- sign 57.856+/-0.008 χ^2/NDF: 5413082.3/50



Right In: 0.013+/-0.020 χ^2/NDF: 20.4/22

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

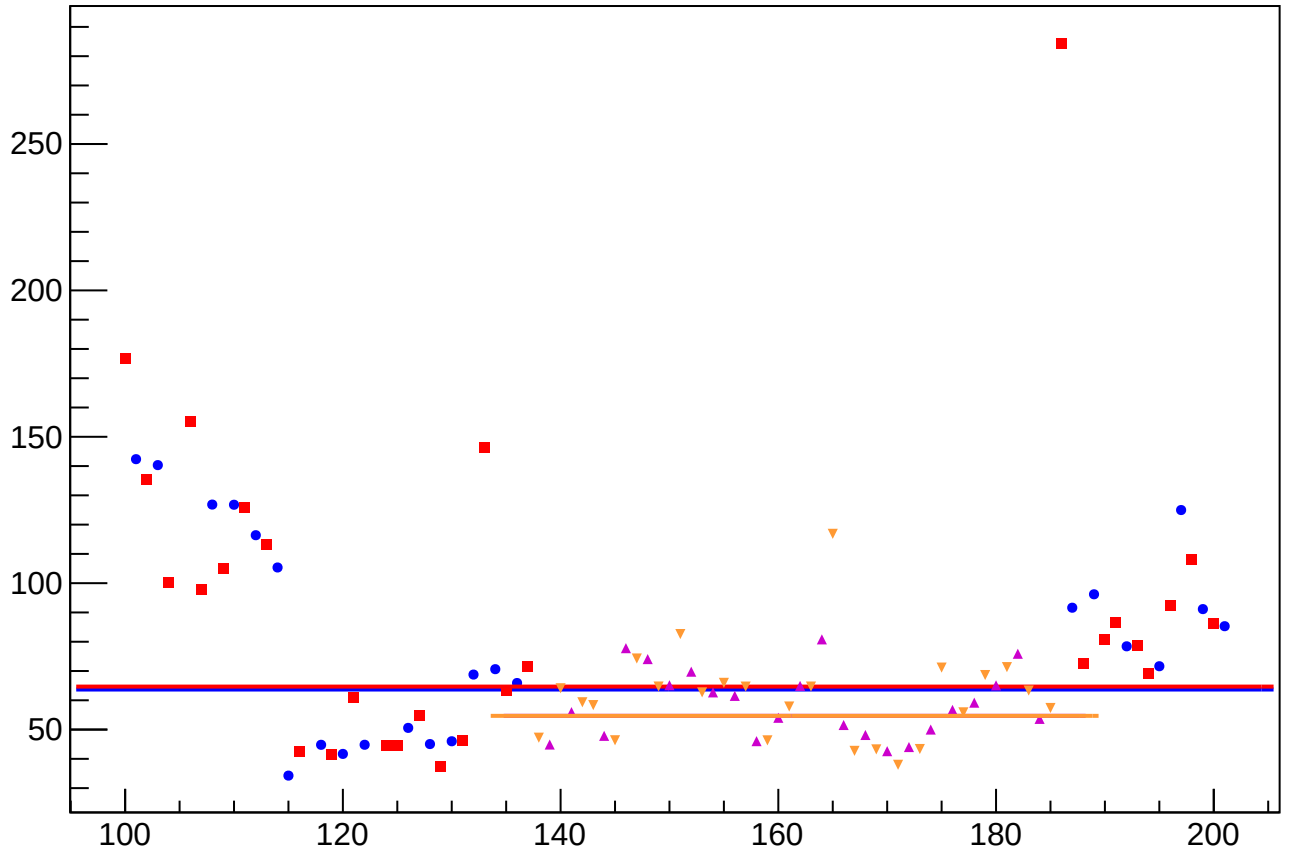
Right Out: 0.005+/-0.019 χ^2/NDF: 19.5/27

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: 103.6/98

- sign -0.007+/-0.011 χ^2/NDF: 45.9/50



Right In: 63.675+/-0.014 χ^2/NDF: 3259508.9/22

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

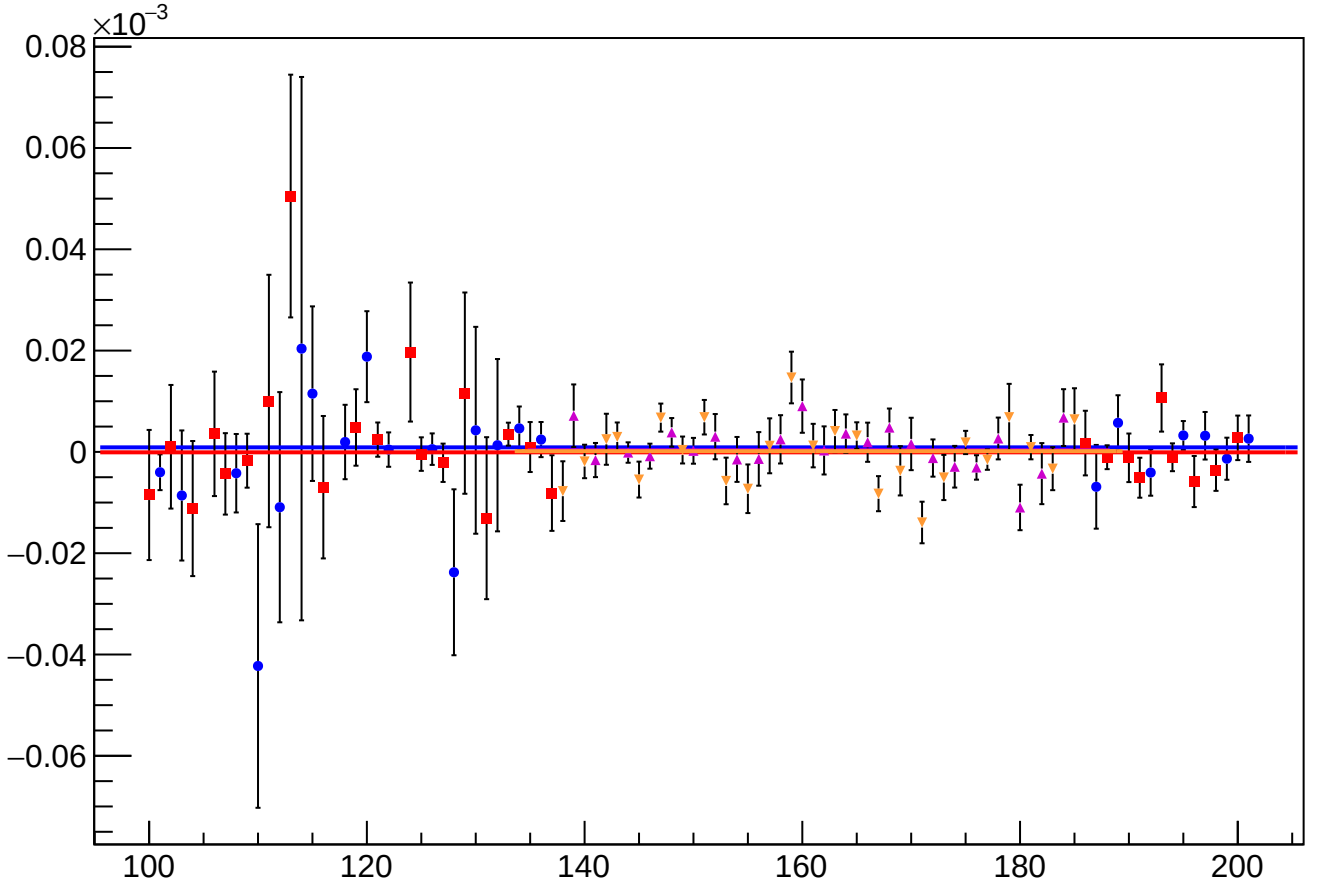
Right Out: 64.679+/-0.014 χ^2/NDF: 3862239.2/27

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 57.314+/-0.008 χ^2/NDF: 5478634.7/47

All: 57.583+/-0.005 χ^2/NDF: 10894181.6/98

- sign 57.856+/-0.008 χ^2/NDF: 5413082.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

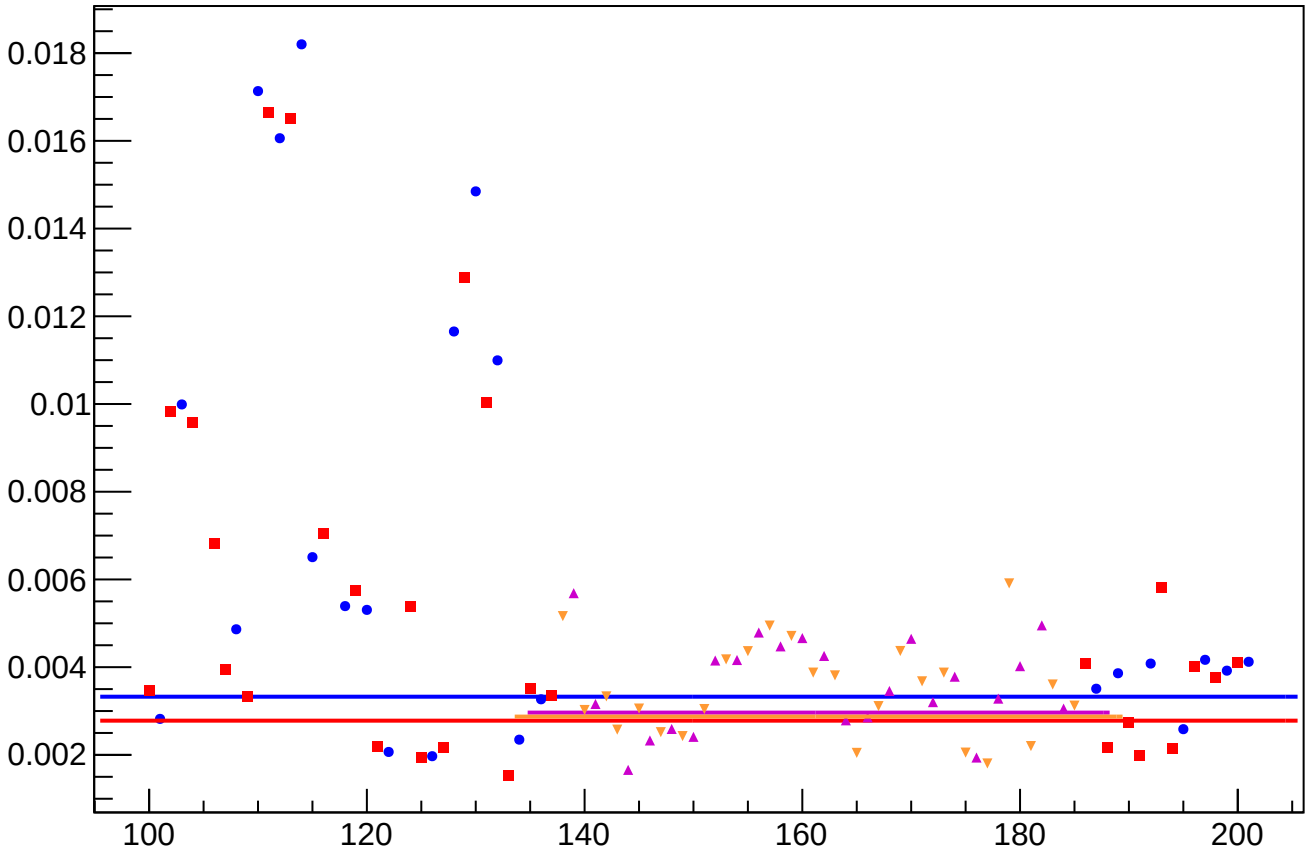
Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/27

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: 114.2/98

- sign 0.000+/-0.000 χ^2/NDF: 42.5/50



Right In: 0.003+/-0.000 χ^2/NDF: 4945556.8/22

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

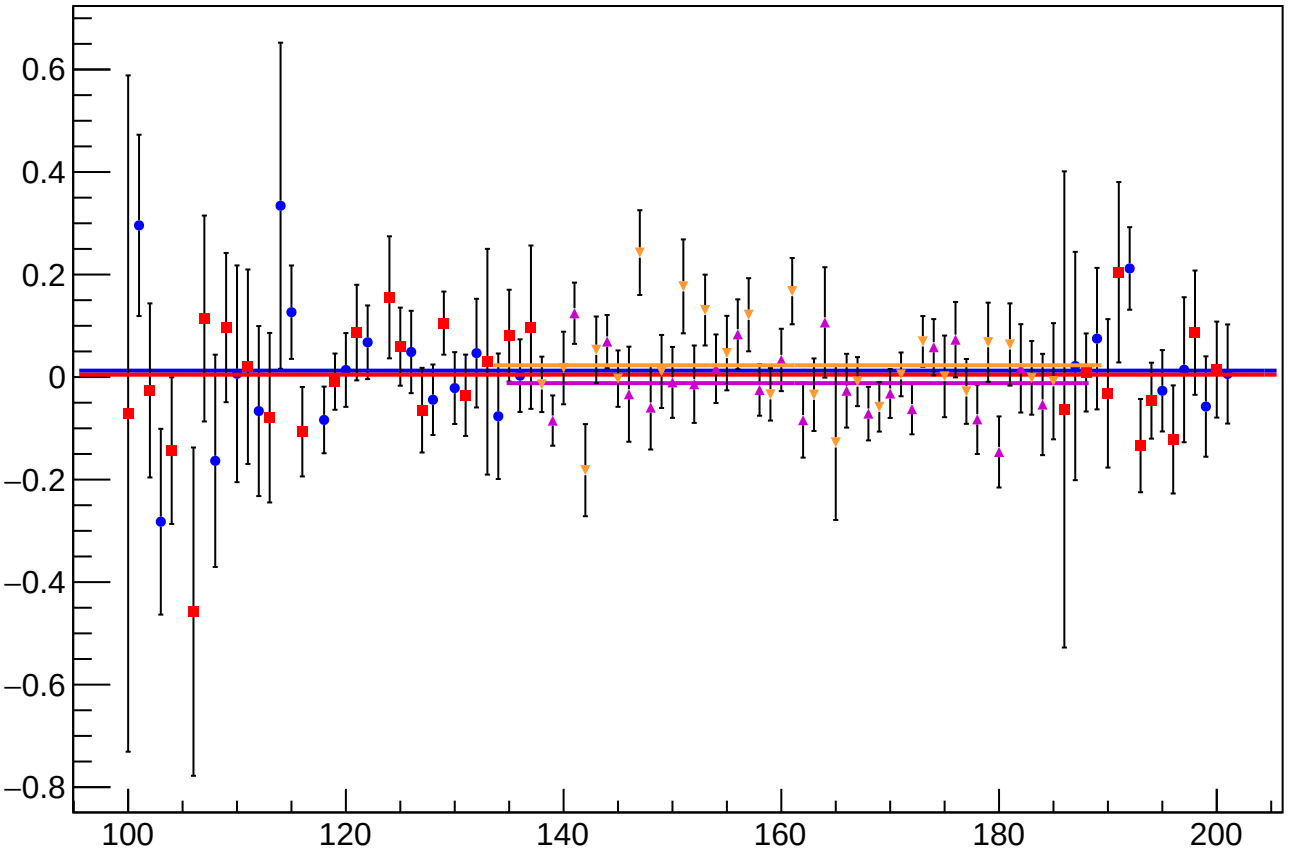
Right Out: 0.003+/-0.000 χ^2/NDF: 6391586.5/27

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: 18895691.3/98

- sign 0.003+/-0.000 χ^2/NDF: 10059768.2/50



Right In: 0.013+/-0.020 χ^2/NDF: 20.4/22

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

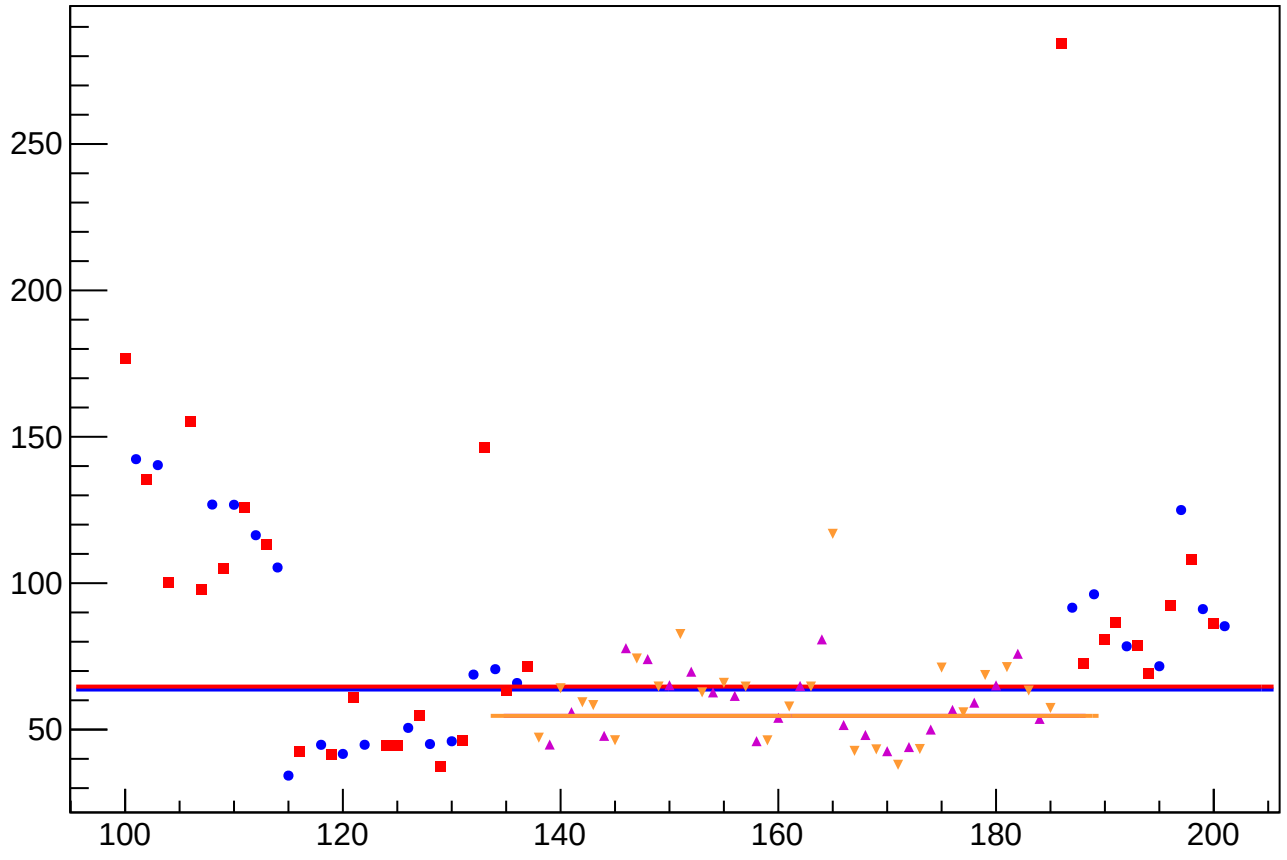
Right Out: 0.005+/-0.019 χ^2/NDF: 19.5/27

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: 103.6/98

- sign -0.007+/-0.011 χ^2/NDF: 45.9/50



Right In: 63.675+/-0.014 χ^2/NDF: 3259493.7/22

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

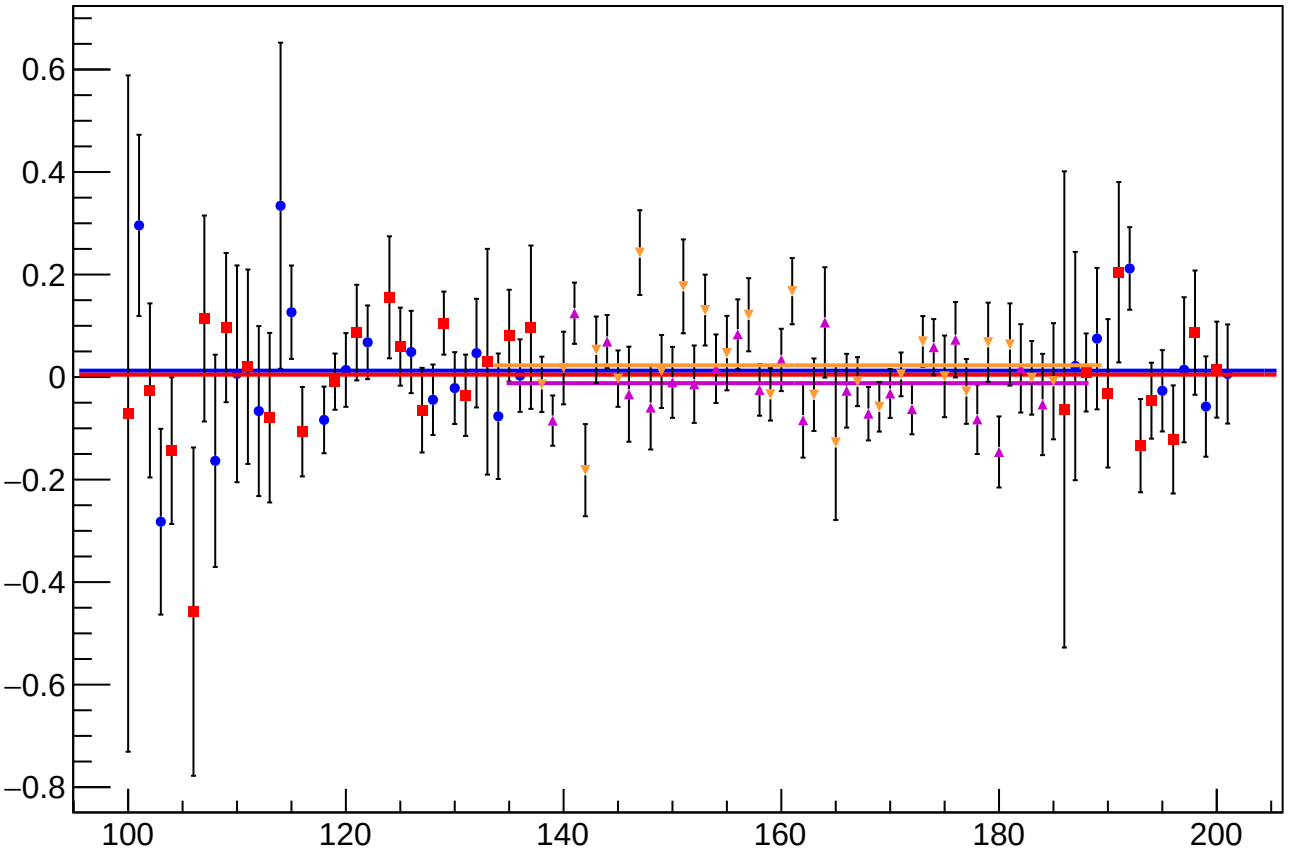
Right Out: 64.679+/-0.014 χ^2/NDF: 3862226.2/27

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 57.314+/-0.008 χ^2/NDF: 5478570.9/47

All: 57.583+/-0.005 χ^2/NDF: 10894003.4/98

- sign 57.856+/-0.008 χ^2/NDF: 5412967.5/50



Right In: 0.013+/-0.020 χ^2/NDF: 20.4/22

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

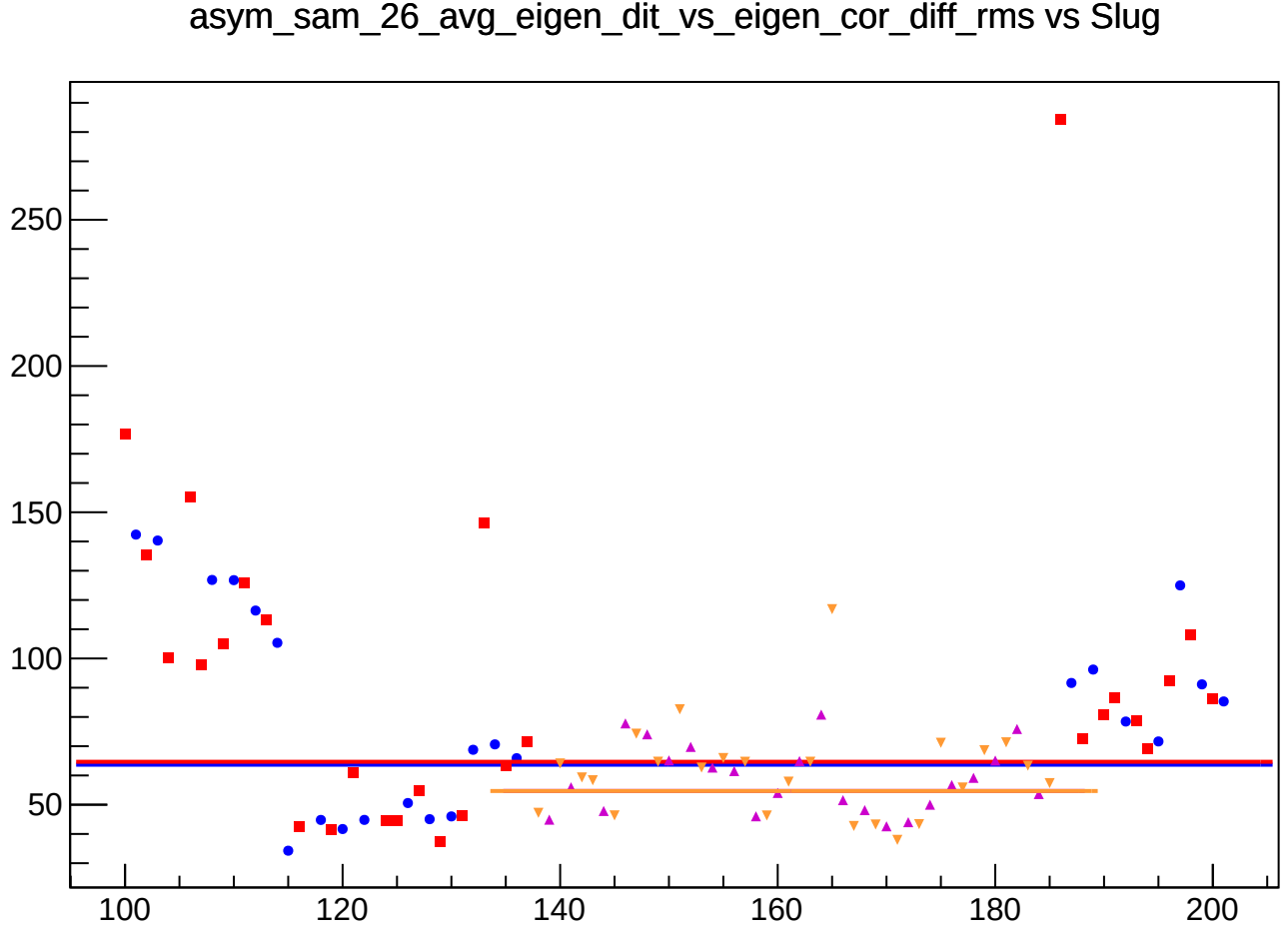
Right Out: 0.005+/-0.019 χ^2/NDF: 19.5/27

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: 103.6/98

- sign -0.007+/-0.011 χ^2/NDF: 45.9/50



Right In: 63.675+/-0.014 χ^2/NDF: 3259493.7/22

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

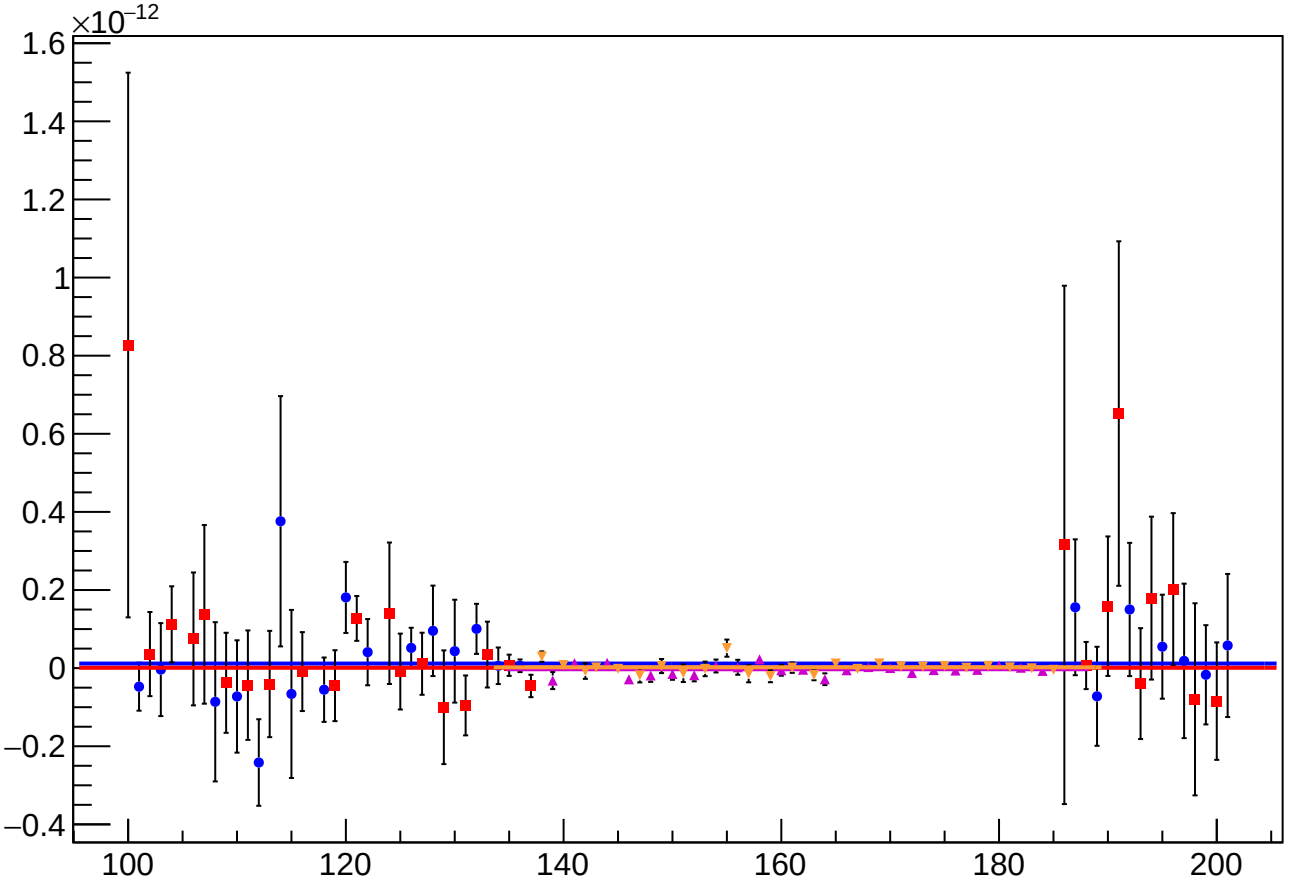
Right Out: 64.679+/-0.014 χ^2/NDF: 3862226.2/27

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 57.314+/-0.008 χ^2/NDF: 5478570.9/47

All: 57.583+/-0.005 χ^2/NDF: 10894003.4/98

- sign 57.856+/-0.008 χ^2/NDF: 5412967.5/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

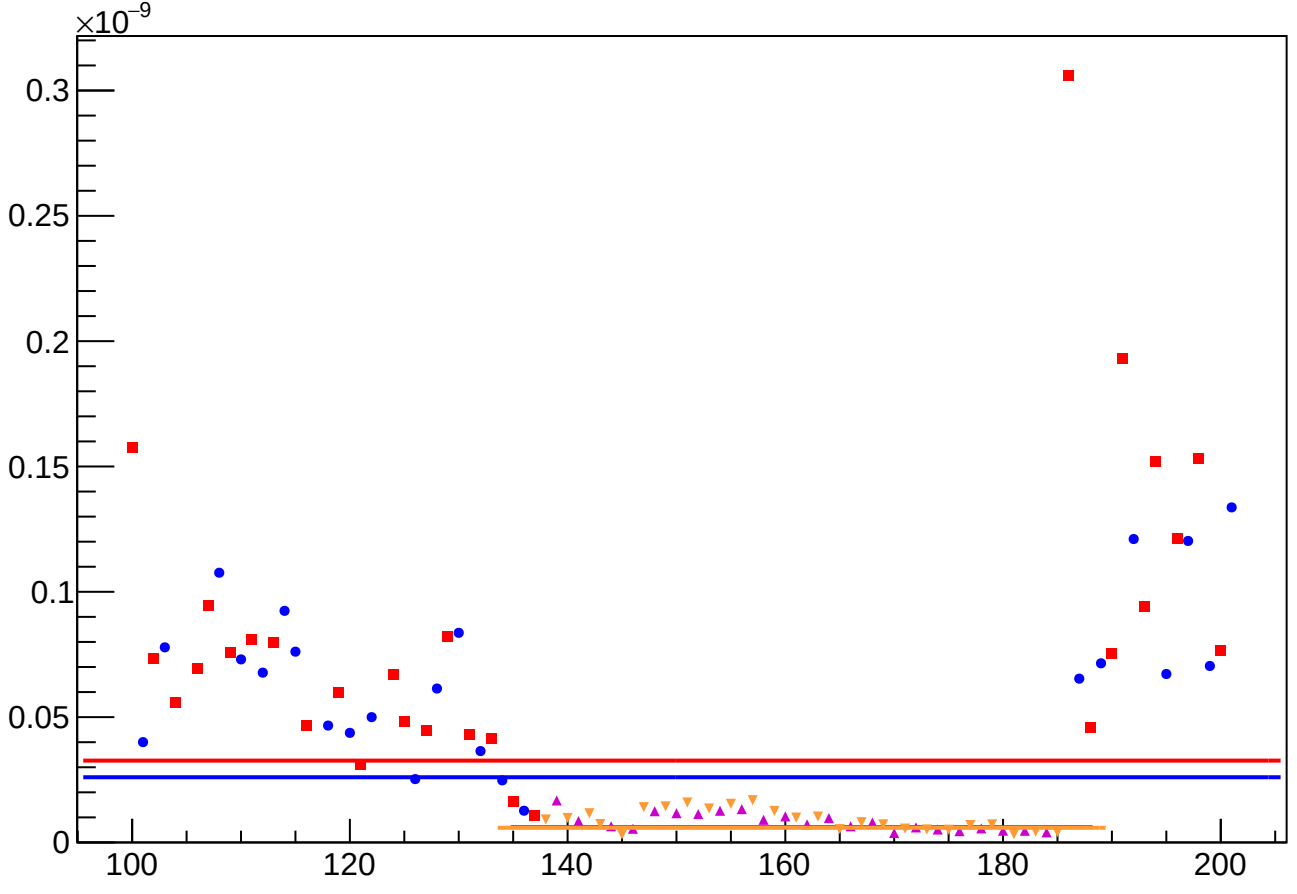
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/27

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: 95.7/98

- sign -0.000+/-0.000 χ^2/NDF: 53.0/50



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: 6890993.7/27

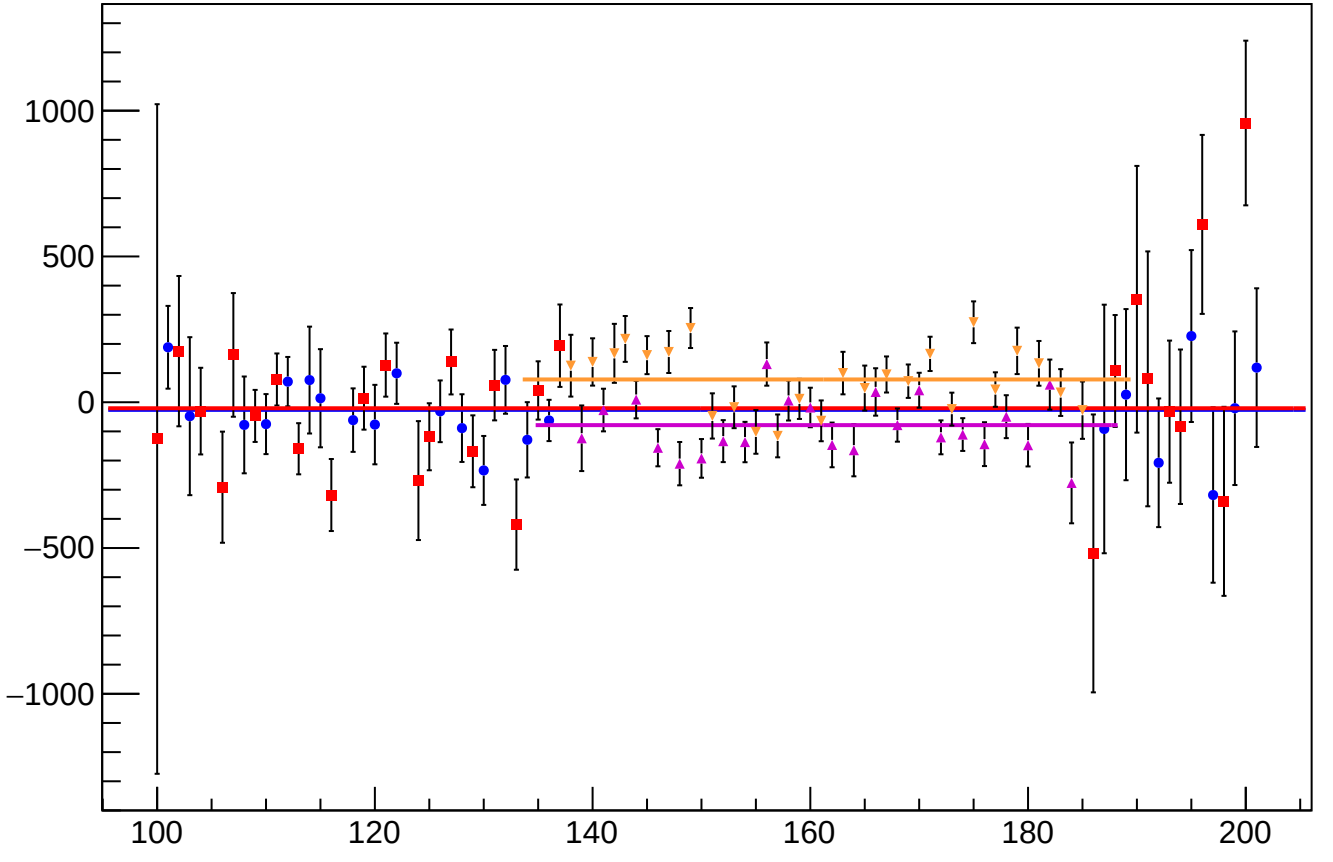
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16920206.9/47

All: 0.000+/-0.000 χ^2/NDF: 33559085.9/98

- sign 0.000+/-0.000 χ^2/NDF: 16615686.6/50

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: -20.666+/-27.314 χ^2/NDF: 49.9/27

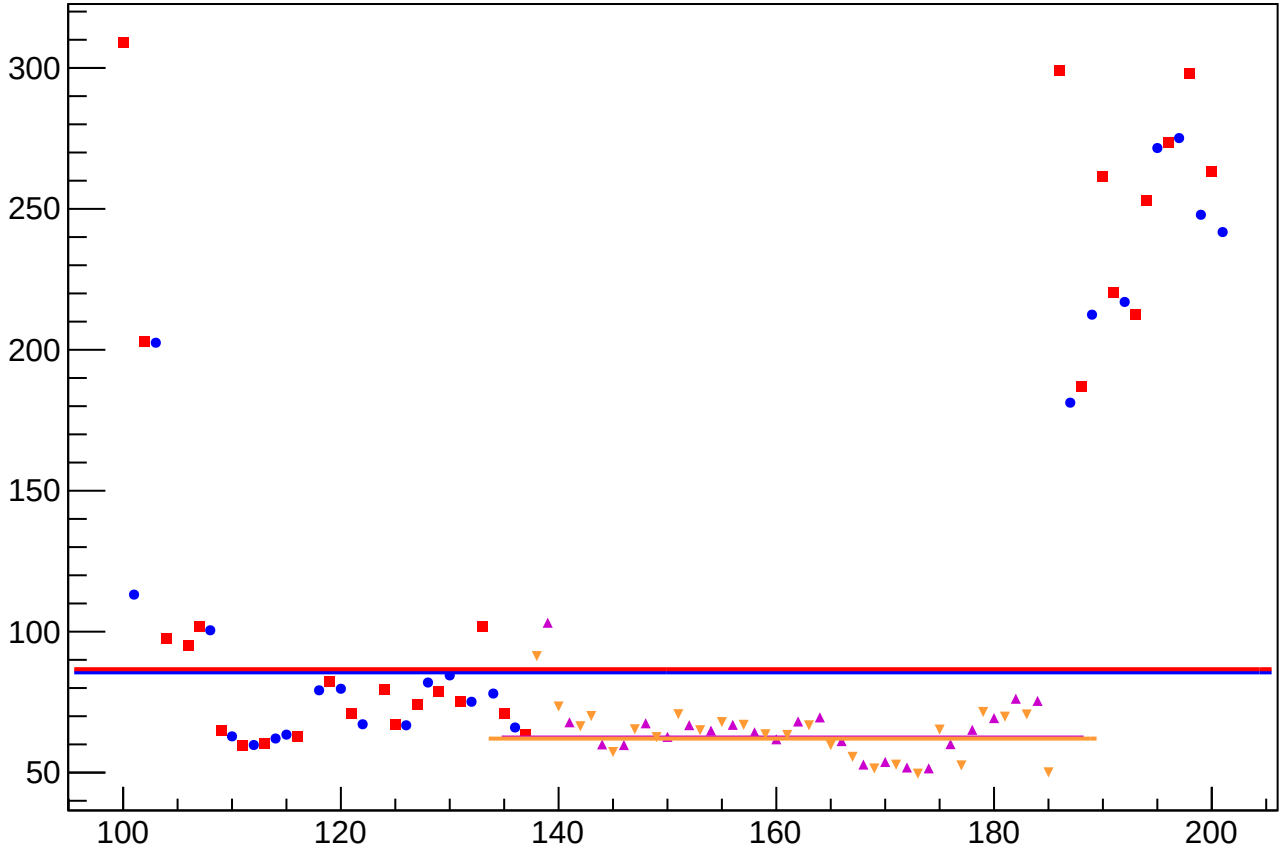
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.409+/-12.744 χ^2/NDF: 78.7/47

All: -3.172+/-9.107 χ^2/NDF: 213.3/98

- sign -65.363+/-13.020 χ^2/NDF: 90.0/50

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: 86.681+/-0.019 χ^2/NDF: 6458459.6/27

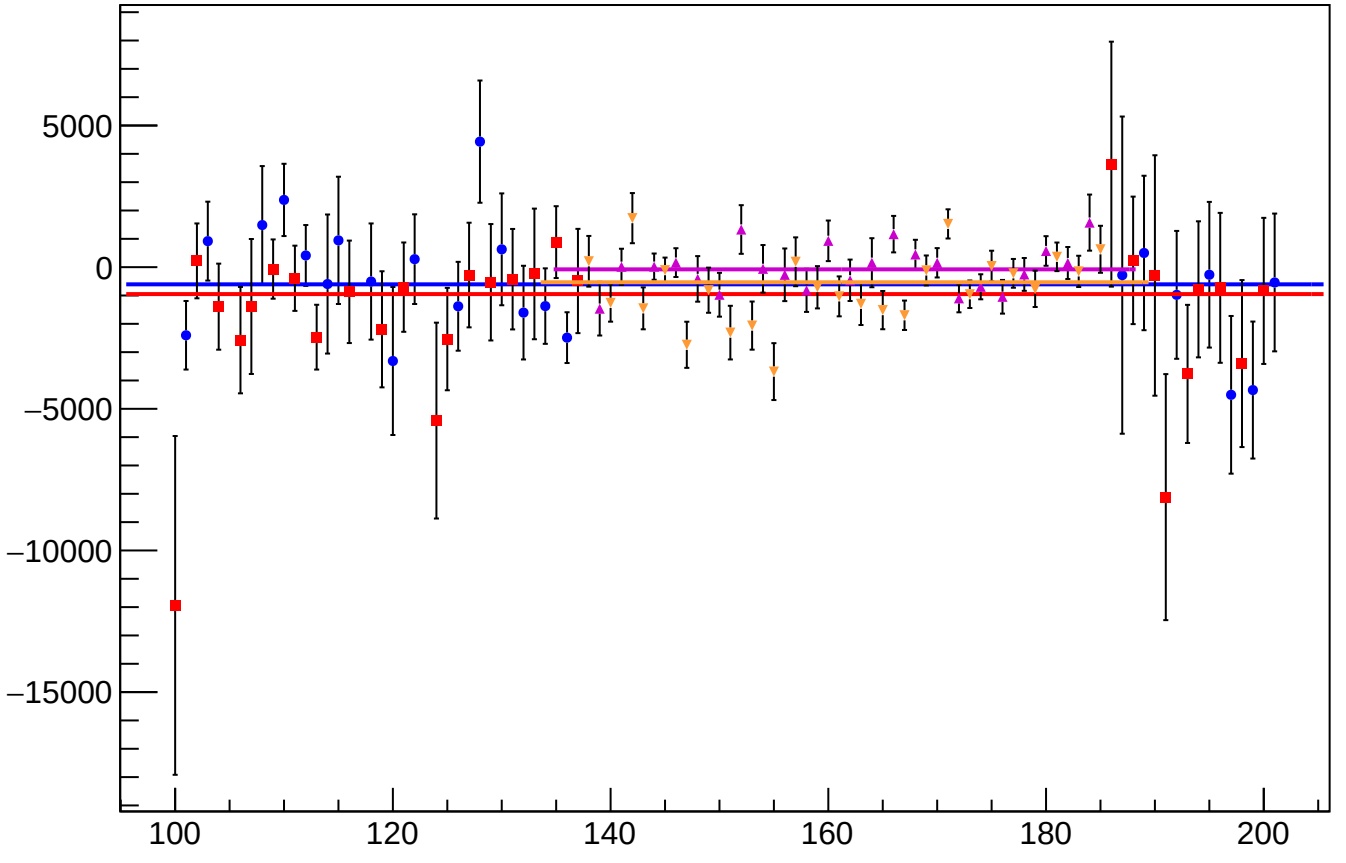
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

\+ sign 66.964+/-0.009 χ^2/NDF: 7130036.8/47

All: 67.448+/-0.006 χ^2/NDF: 15475872.1/98

\- sign 67.952+/-0.009 χ^2/NDF: 8339946.8/50

asym_sam_37_avg_reg_correction_mean vs Slug



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: -950.448+/-346.549 χ^2/NDF: 19.3/27

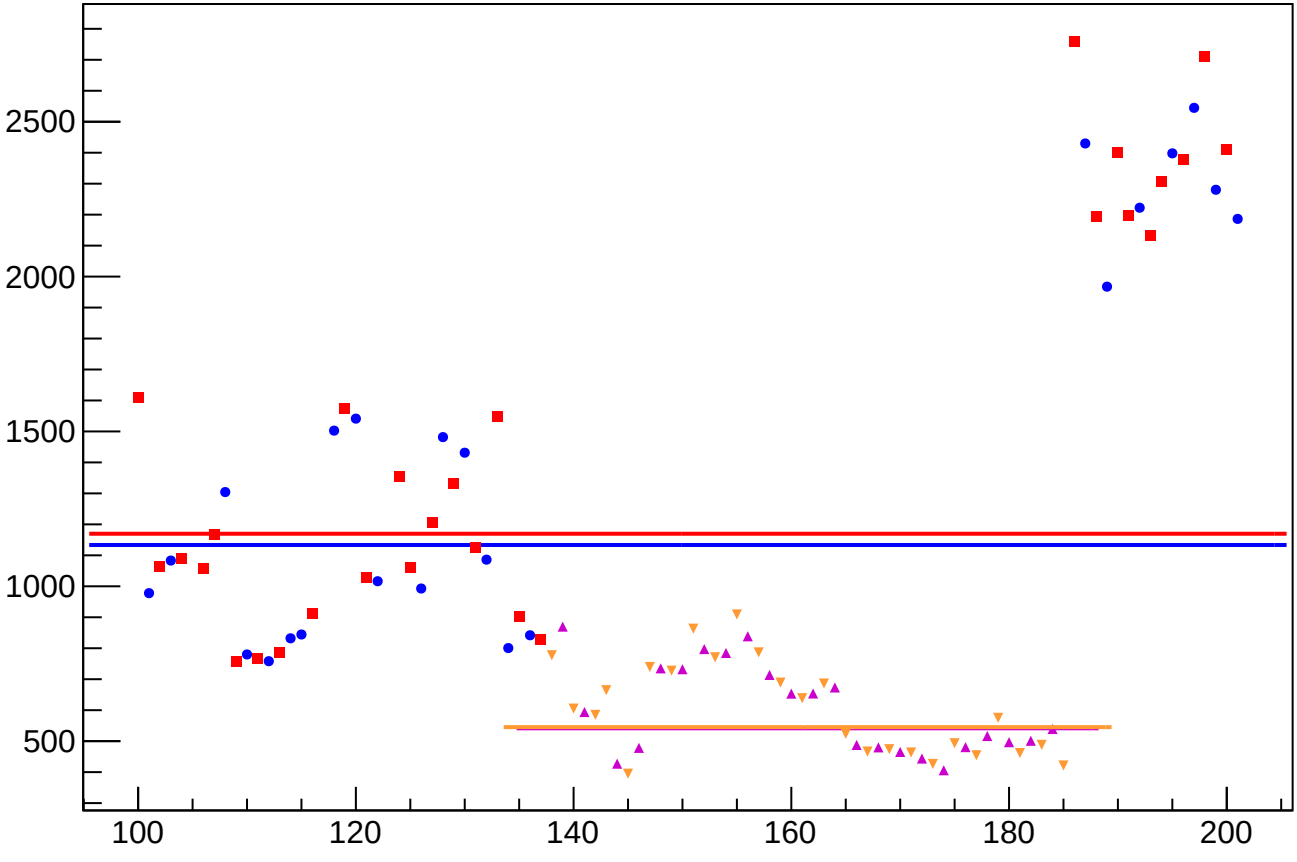
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -541.363+/-120.213 χ^2/NDF: 97.5/47

All: -366.052+/-85.621 χ^2/NDF: 155.1/98

- sign -185.555+/-121.978 χ^2/NDF: 53.2/50

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: 1169.708+/-0.245 χ^2/NDF: 4339677.3/27

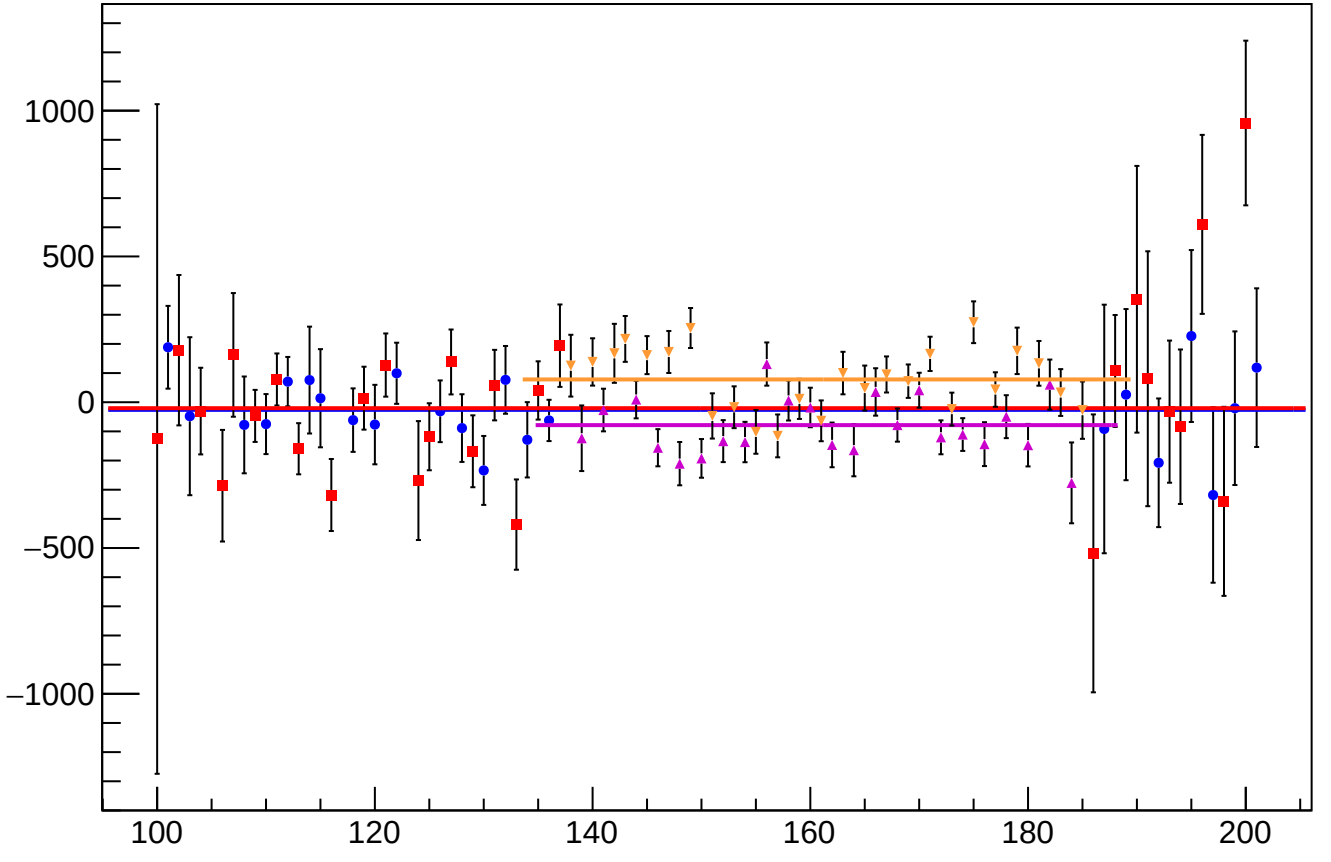
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 614.090+/-0.085 χ^2/NDF: 10697399.6/47

All: 616.653+/-0.061 χ^2/NDF: 22637973.4/98

- sign 619.291+/-0.086 χ^2/NDF: 11938729.4/50

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: -20.478+/-27.316 χ^2/NDF: 49.8/27

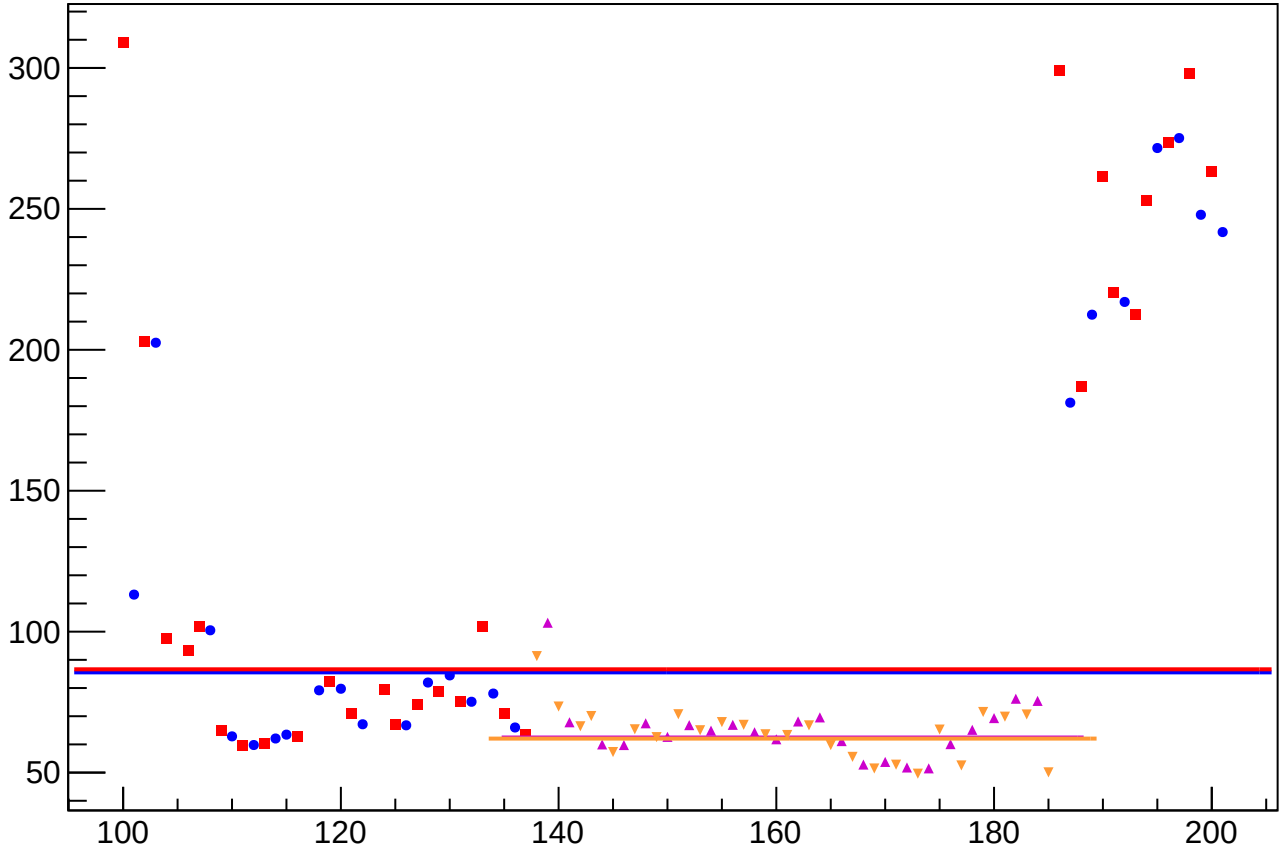
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.410+/-12.744 χ^2/NDF: 78.7/47

All: -3.151+/-9.108 χ^2/NDF: 213.2/98

- sign -65.322+/-13.020 χ^2/NDF: 89.9/50

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: 86.645+/-0.019 χ^2/NDF: 6457253.2/27

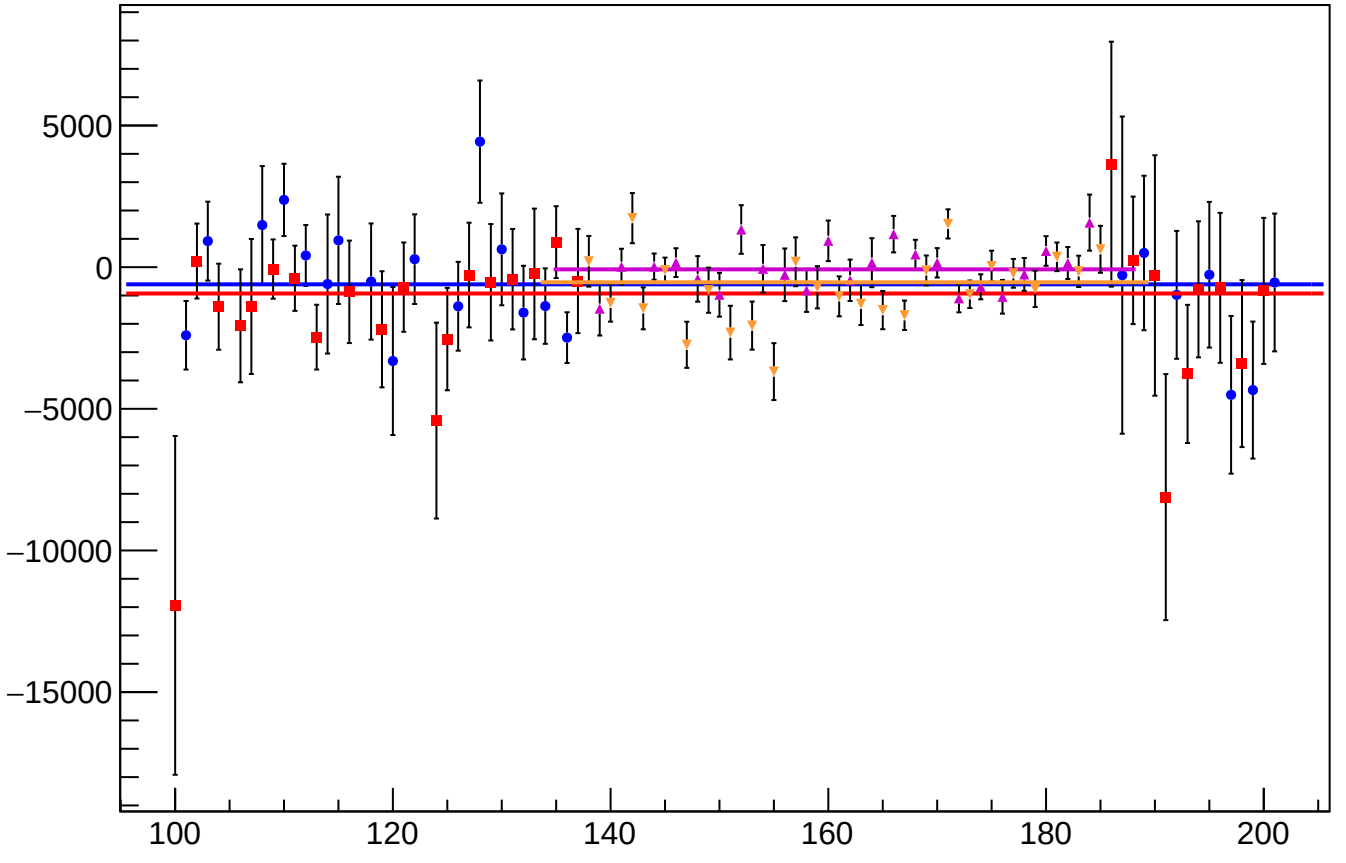
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.964+/-0.009 χ^2/NDF: 7130038.7/47

All: 67.443+/-0.006 χ^2/NDF: 15470755.8/98

- sign 67.943+/-0.009 χ^2/NDF: 8334935.6/50

asym_sam_37_avg_cor_correction_mean vs Slug



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: -929.445+/-347.237 χ^2/NDF: 18.8/27

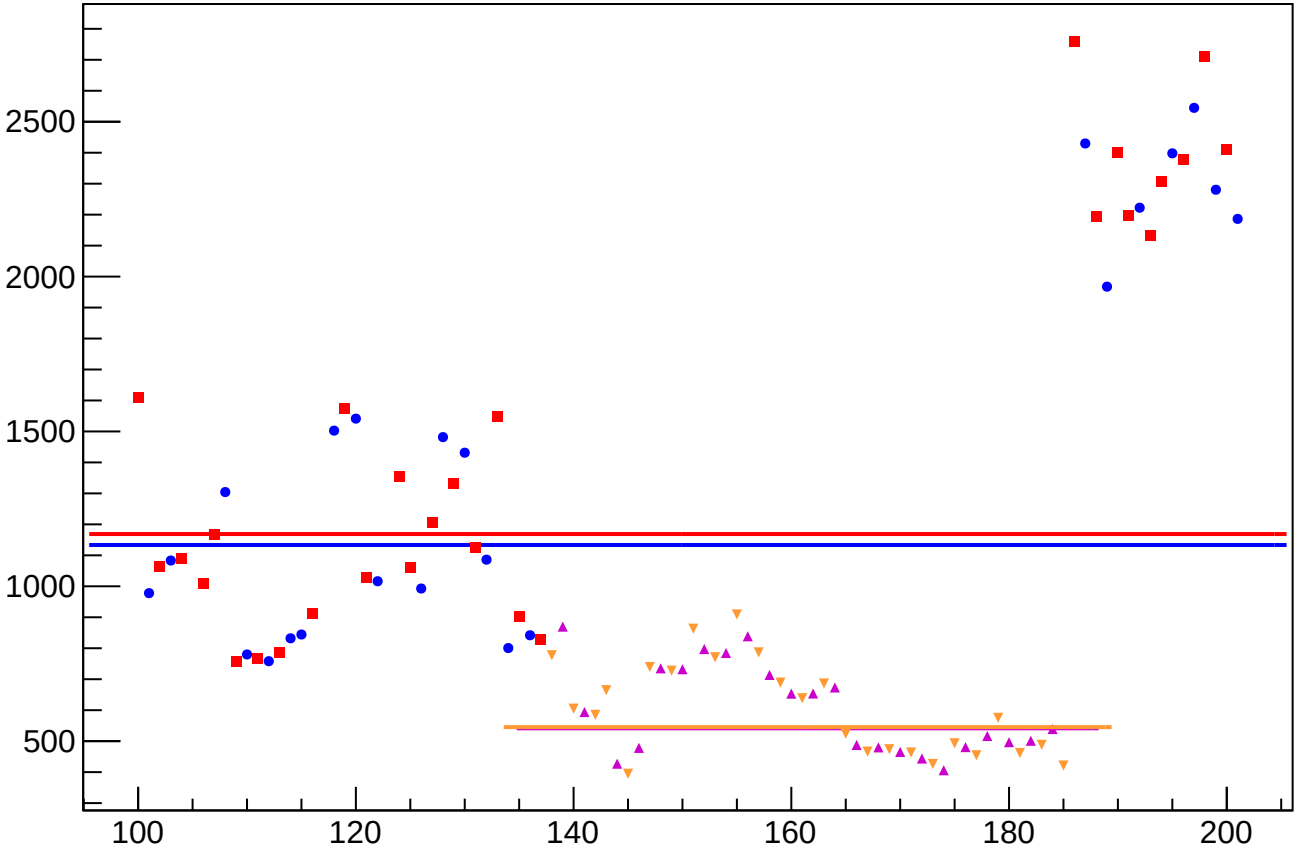
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -541.359+/-120.213 χ^2/NDF: 97.5/47

All: -364.631+/-85.631 χ^2/NDF: 154.4/98

- sign -182.586+/-122.008 χ^2/NDF: 52.5/50

asym_sam_37_avg_cor_correction_rms vs Slug



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: 1168.747+/-0.246 χ^2/NDF: 4345253.9/27

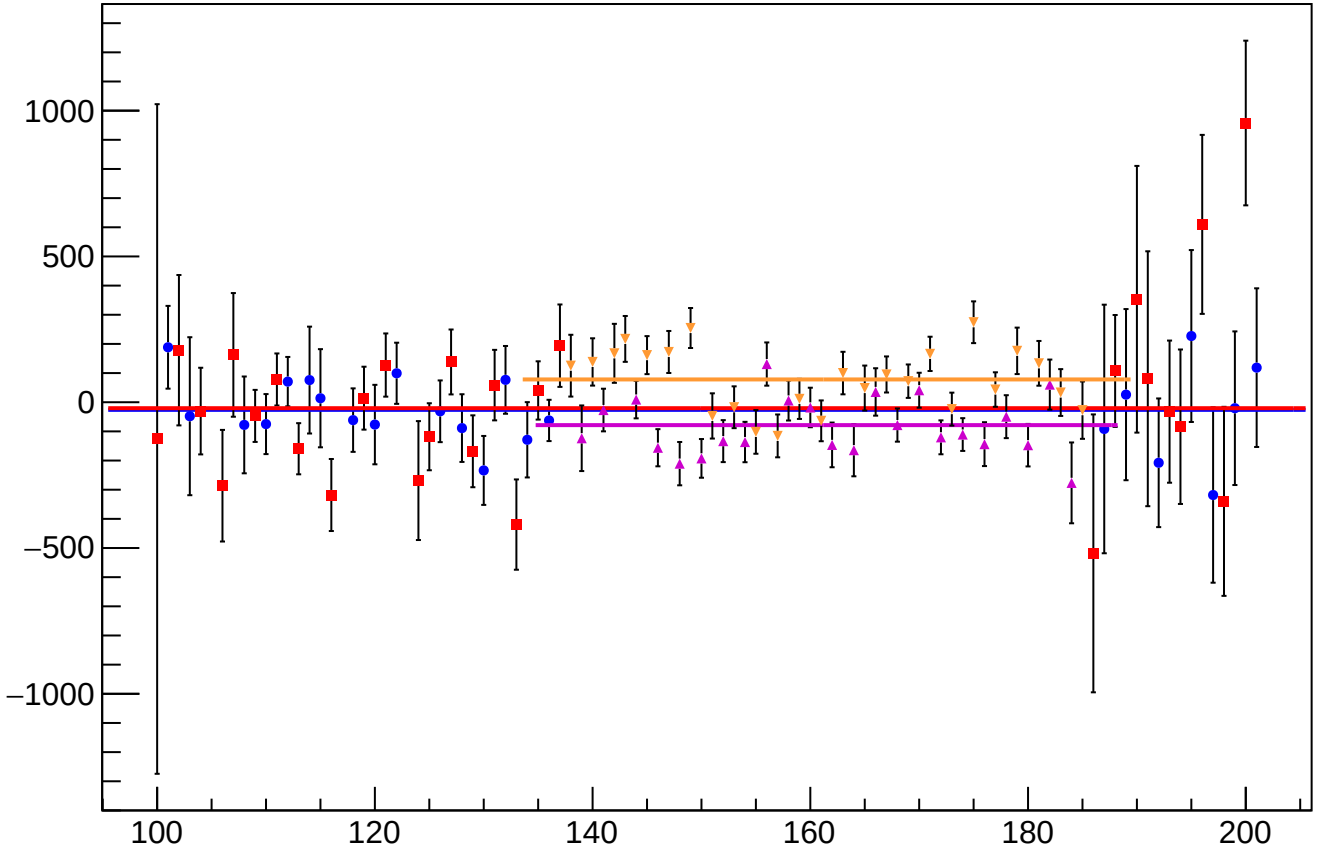
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 614.090+/-0.085 χ^2/NDF: 10697455.7/47

All: 616.461+/-0.061 χ^2/NDF: 22605808.8/98

- sign 618.902+/-0.086 χ^2/NDF: 11906774.5/50

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: -20.478+/-27.316 χ^2/NDF: 49.8/27

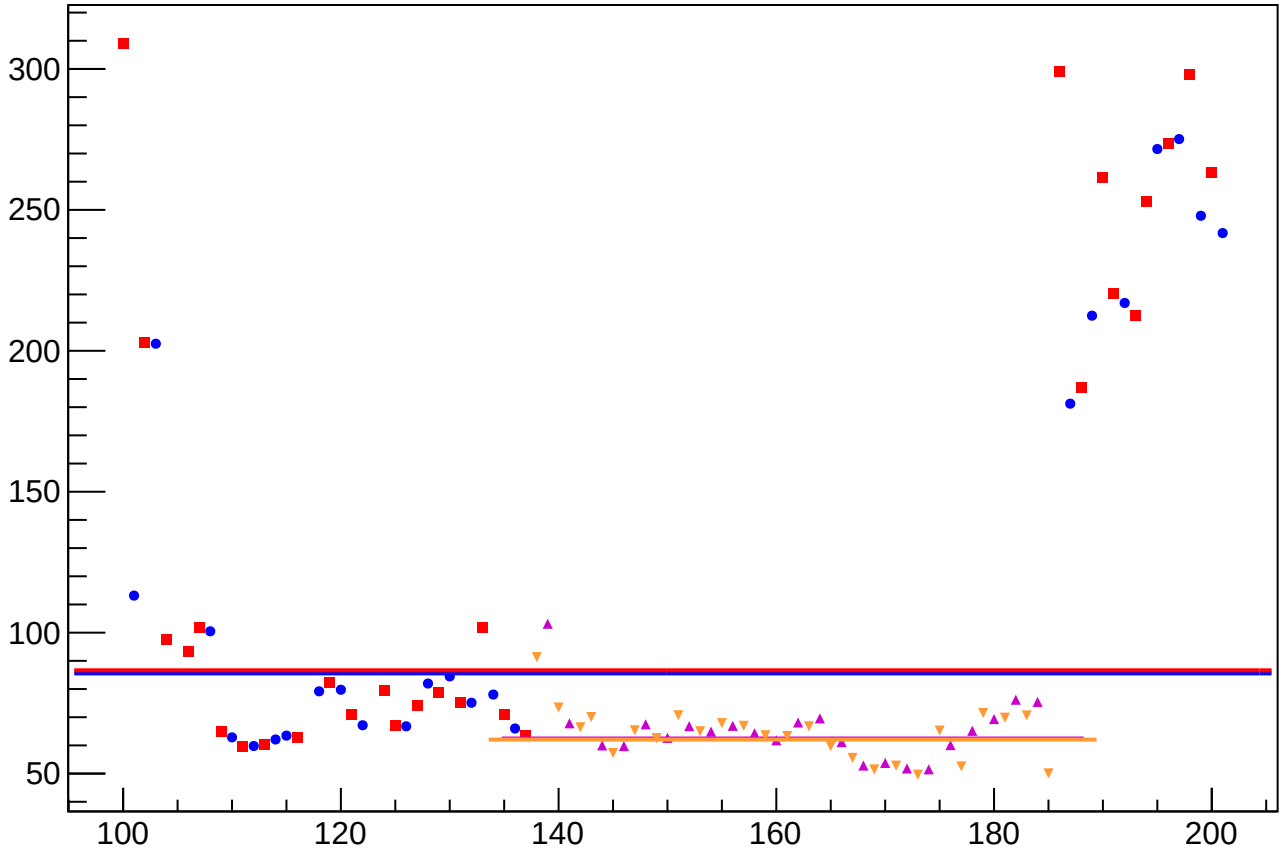
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.410+/-12.744 χ^2/NDF: 78.7/47

All: -3.151+/-9.108 χ^2/NDF: 213.2/98

- sign -65.322+/-13.020 χ^2/NDF: 89.9/50

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

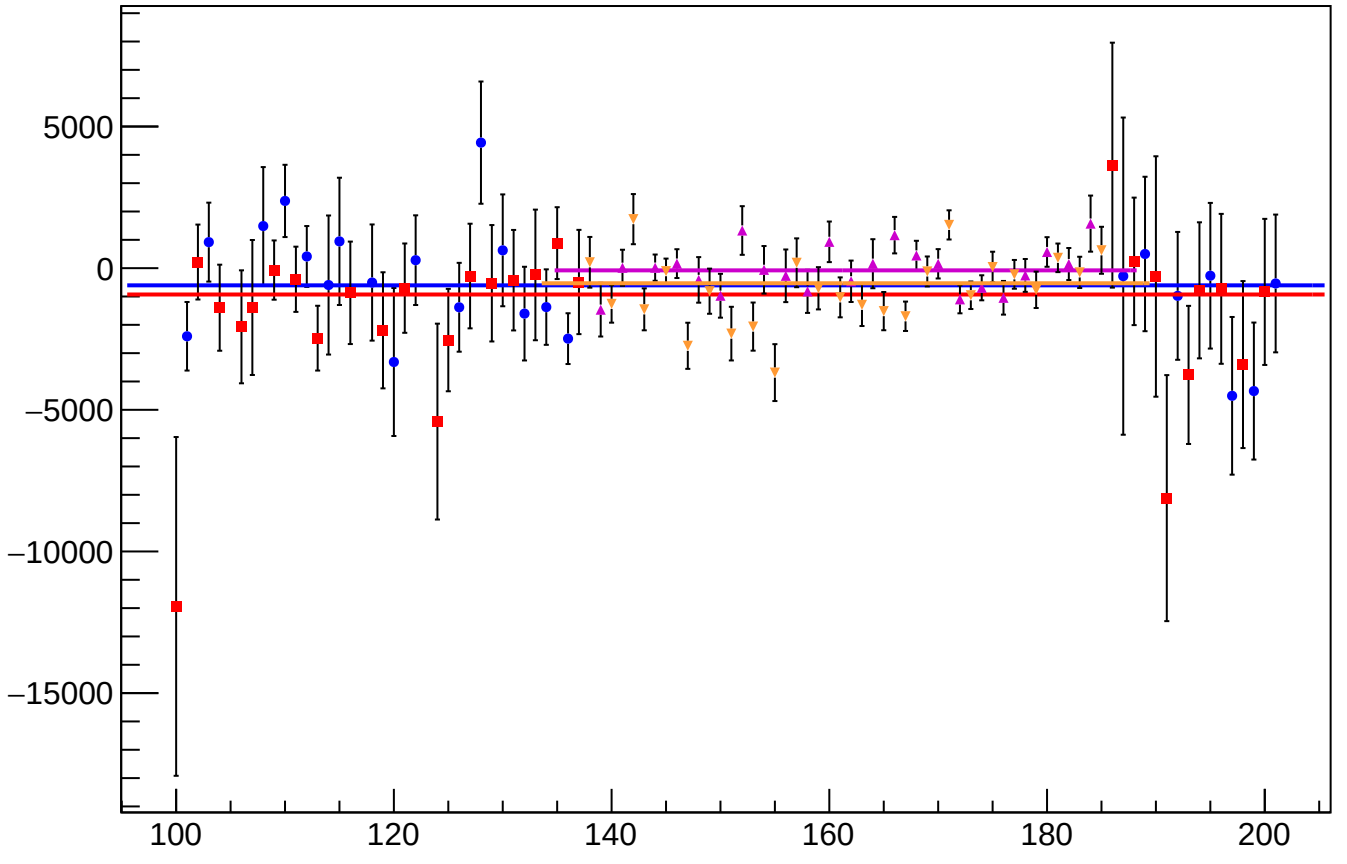
Right Out: 86.645+/-0.019 χ^2/NDF: 6457253.2/27

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.964+/-0.009 χ^2/NDF: 7130038.7/47

All: 67.443+/-0.006 χ^2/NDF: 15470755.8/98

- sign 67.943+/-0.009 χ^2/NDF: 8334935.6/50



Right In: -606.161+/-351.511 χ^2/NDF: 28.4/22

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

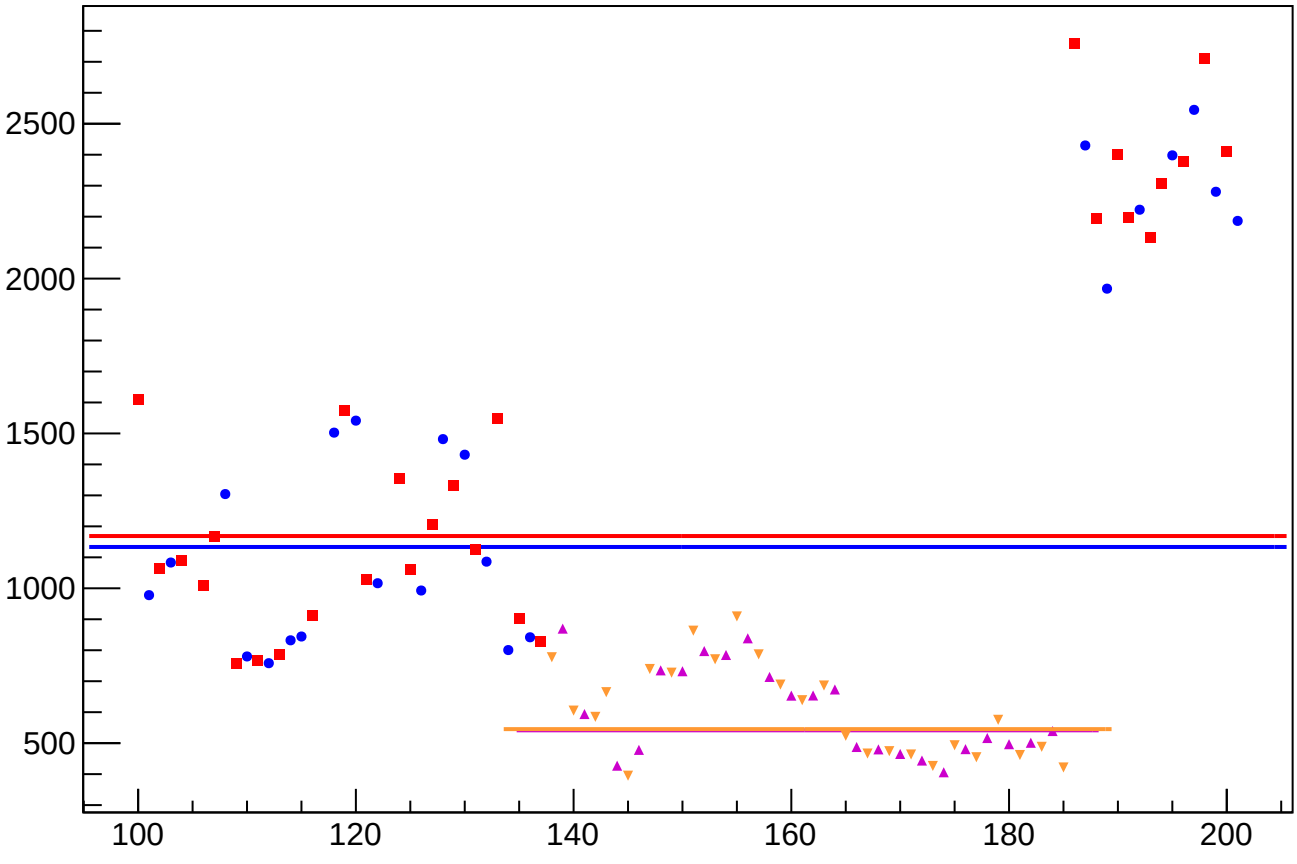
Right Out: -929.445+/-347.237 χ^2/NDF: 18.8/27

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -541.359+/-120.213 χ^2/NDF: 97.5/47

All: -364.631+/-85.631 χ^2/NDF: 154.4/98

- sign -182.586+/-122.008 χ^2/NDF: 52.5/50



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: 1168.747+/-0.246 χ^2/NDF: 4345253.9/27

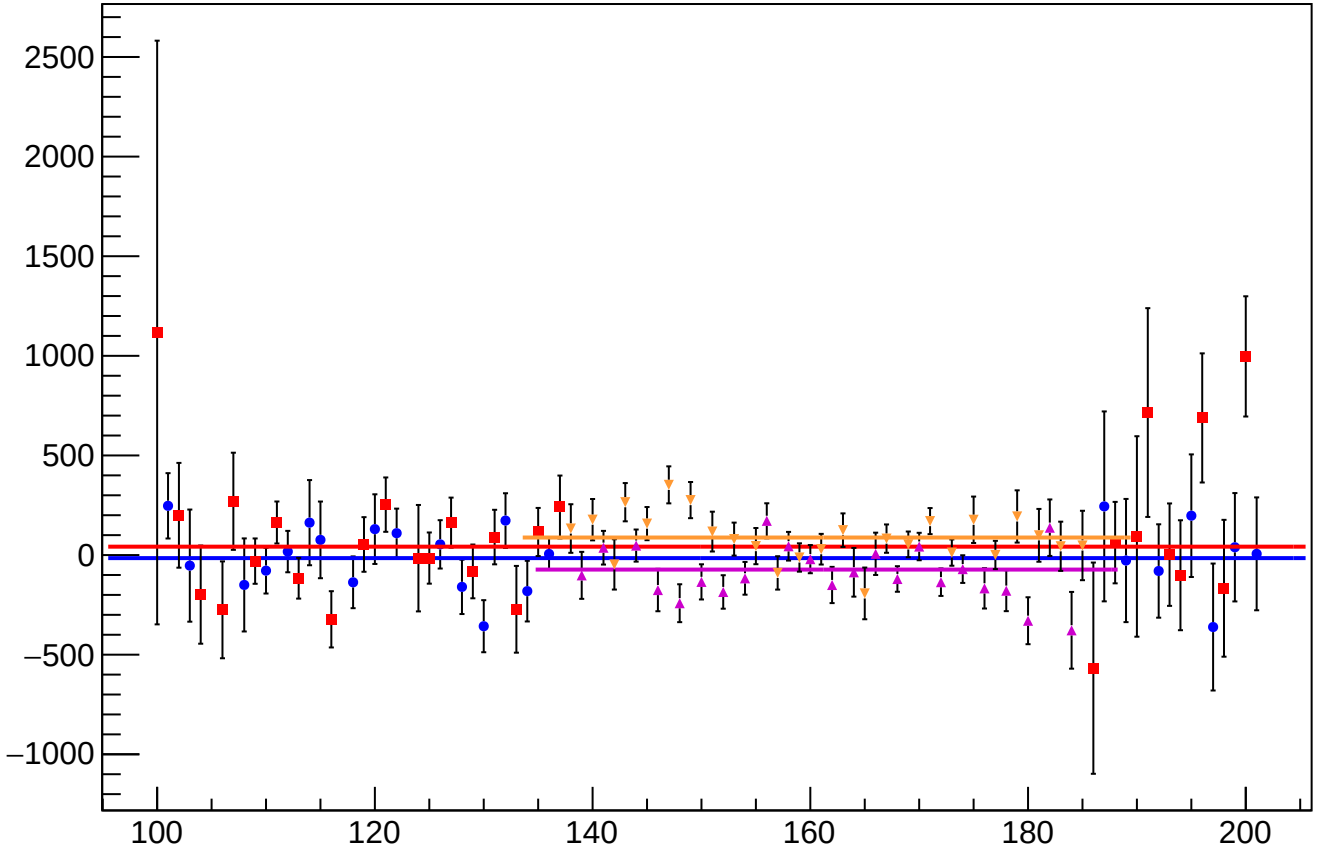
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 614.090+/-0.085 χ^2/NDF: 10697455.7/47

All: 616.461+/-0.061 χ^2/NDF: 22605808.8/98

- sign 618.902+/-0.086 χ^2/NDF: 11906774.5/50

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: 42.154+/-32.382 χ^2/NDF: 41.5/27

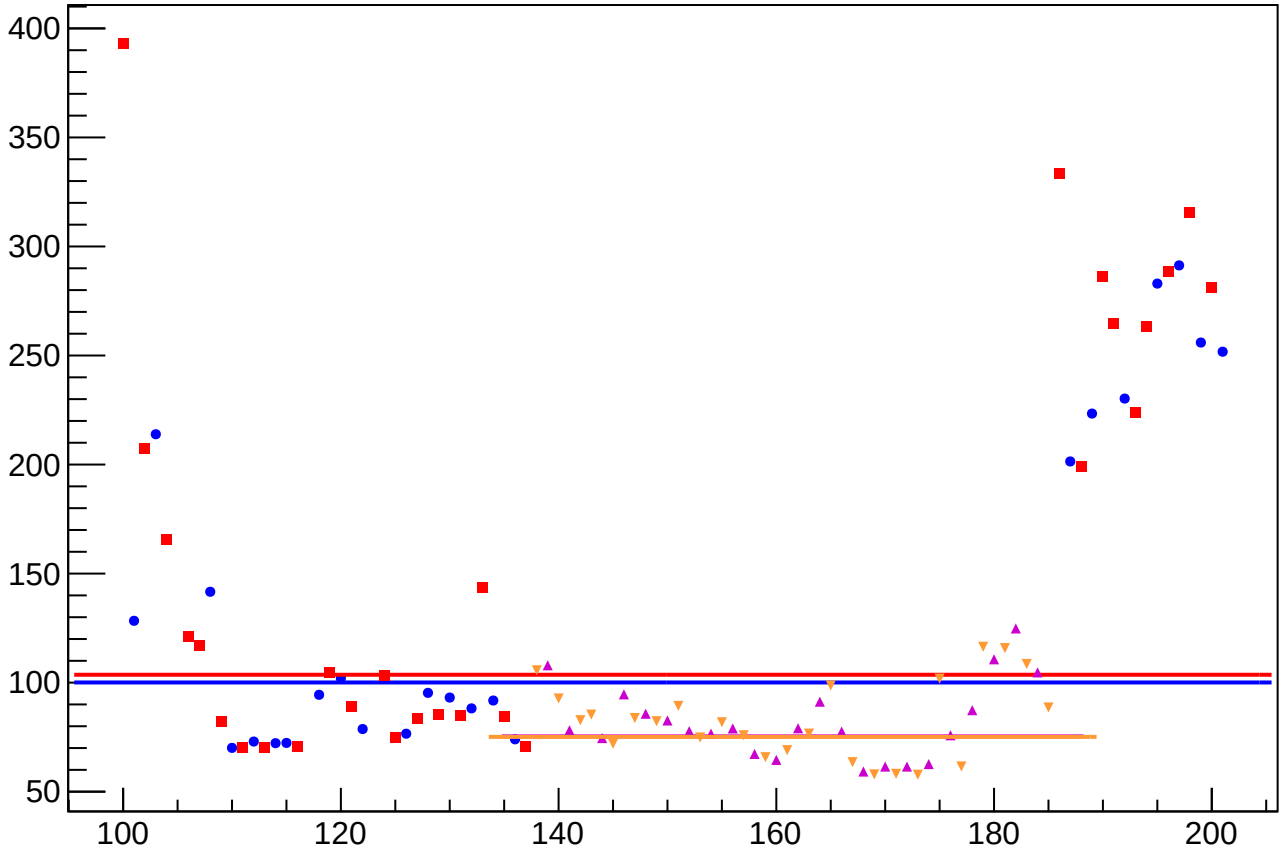
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 64.112+/-15.555 χ^2/NDF: 65.1/47

All: 10.773+/-11.125 χ^2/NDF: 178.6/98

- sign -45.066+/-15.916 χ^2/NDF: 89.5/50

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: 103.607+/-0.023 χ^2/NDF: 6046197.3/27

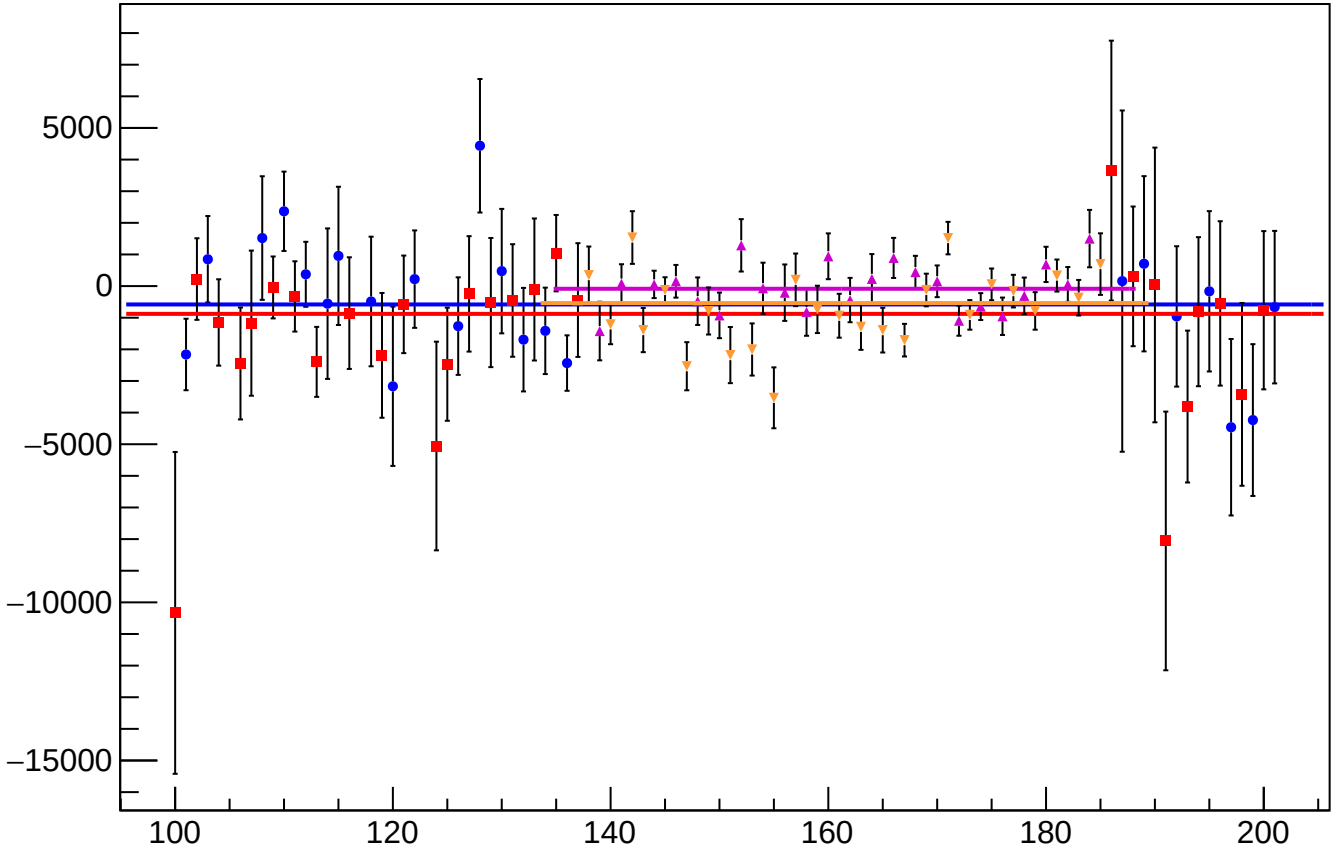
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 80.904+/-0.011 χ^2/NDF: 7379957.1/47

All: 81.530+/-0.008 χ^2/NDF: 15812106.0/98

- sign 82.186+/-0.011 χ^2/NDF: 8425504.9/50

asym_sam_37_avg_dit_correction_mean vs Slug



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: -878.402+/-333.953 χ^2/NDF: 20.6/27

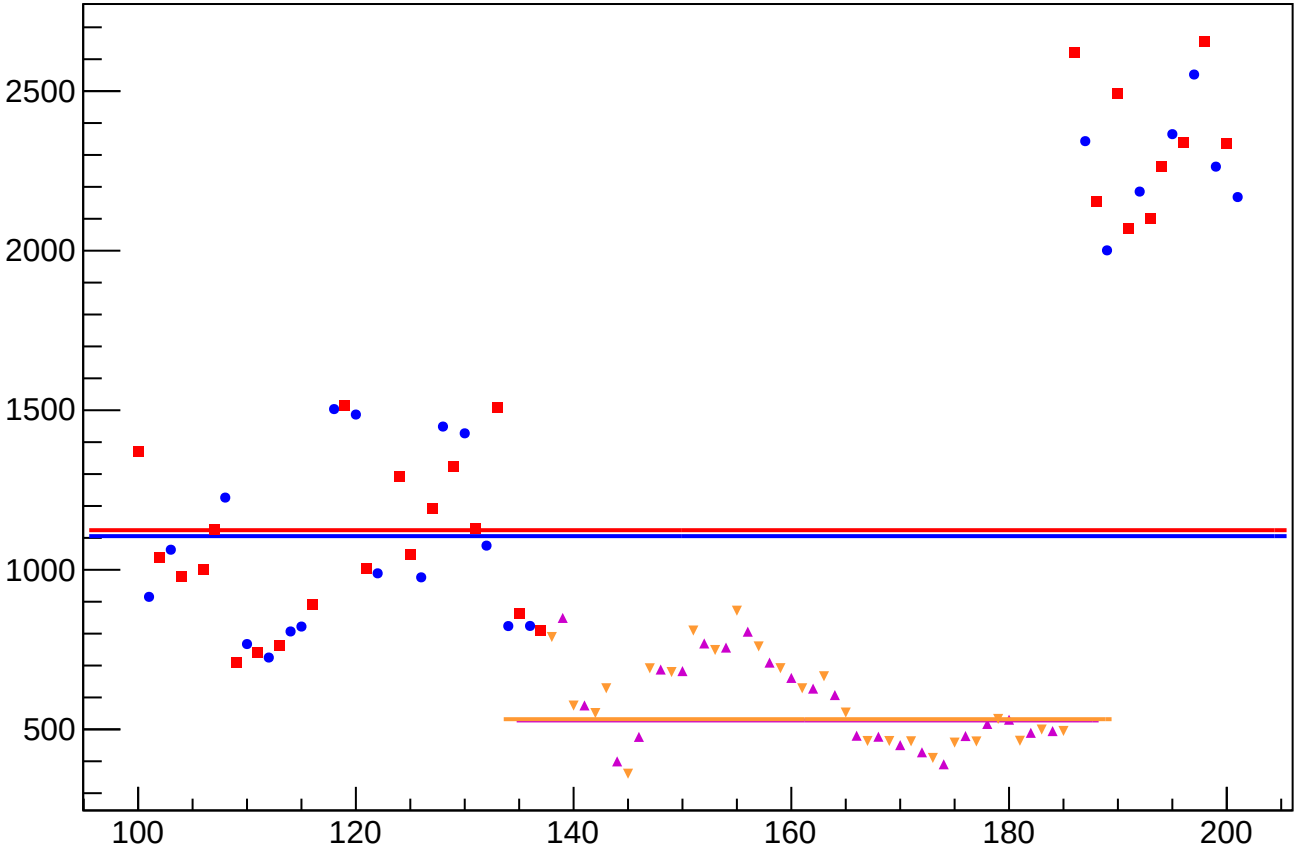
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -541.881+/-117.022 χ^2/NDF: 95.5/47

All: -366.043+/-83.347 χ^2/NDF: 153.0/98

\- sign -185.011+/-118.738 χ^2/NDF: 53.0/50

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: 1124.151+/-0.236 χ^2/NDF: 4499423.8/27

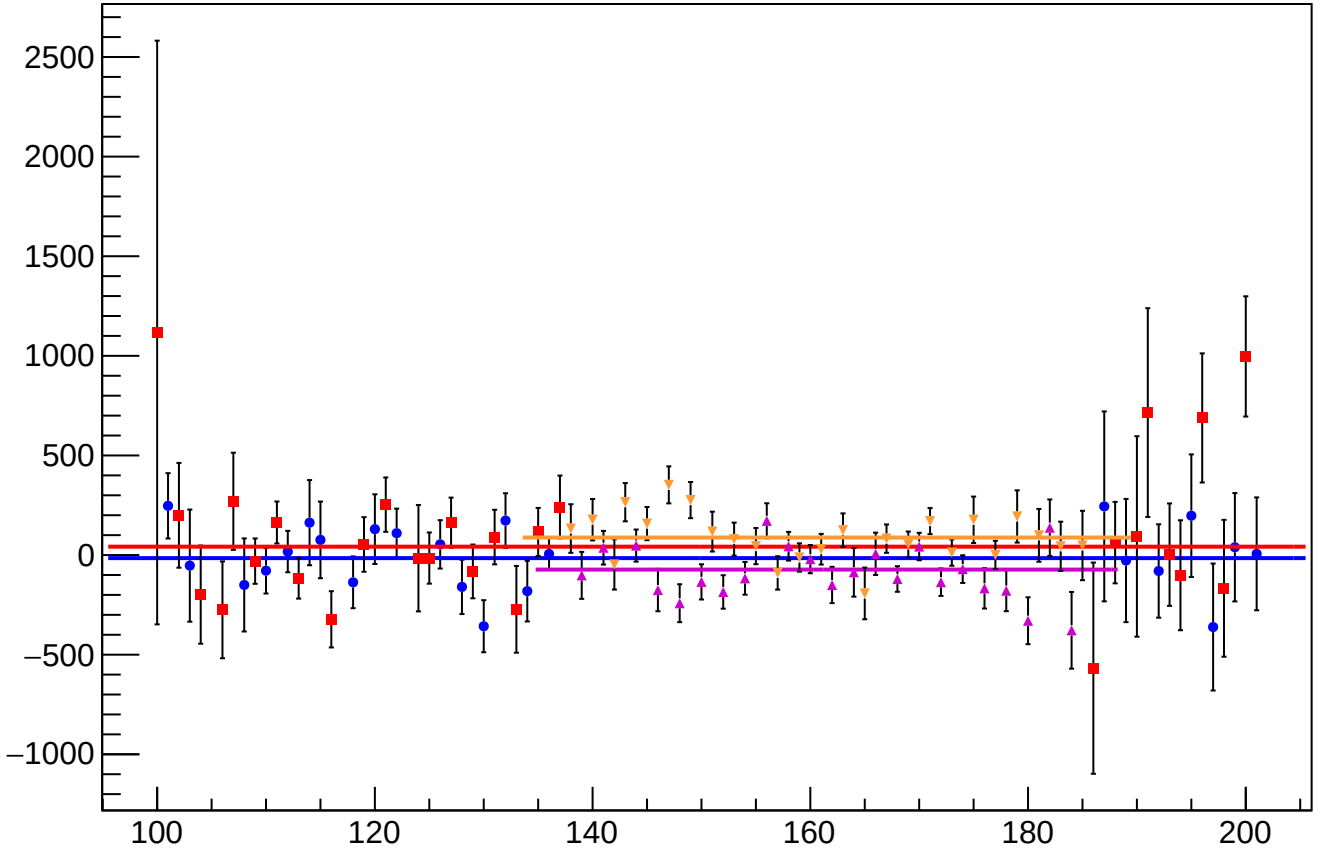
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 598.474+/-0.083 χ^2/NDF: 10738911.3/47

All: 600.877+/-0.059 χ^2/NDF: 22608456.2/98

- sign 603.352+/-0.084 χ^2/NDF: 11867832.8/50

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: 42.157+/-32.382 χ^2/NDF: 41.5/27

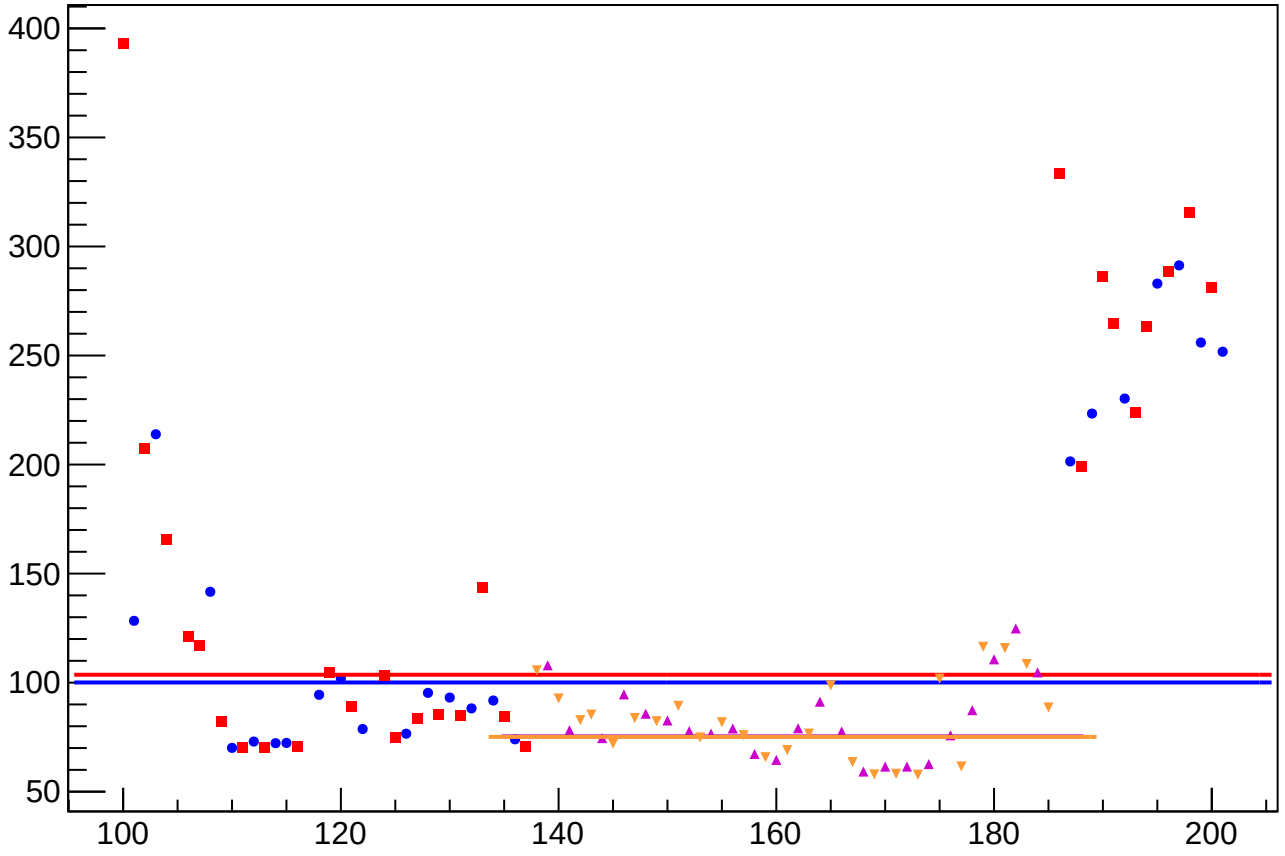
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 64.112+/-15.555 χ^2/NDF: 65.1/47

All: 10.774+/-11.125 χ^2/NDF: 178.6/98

- sign -45.065+/-15.916 χ^2/NDF: 89.5/50

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

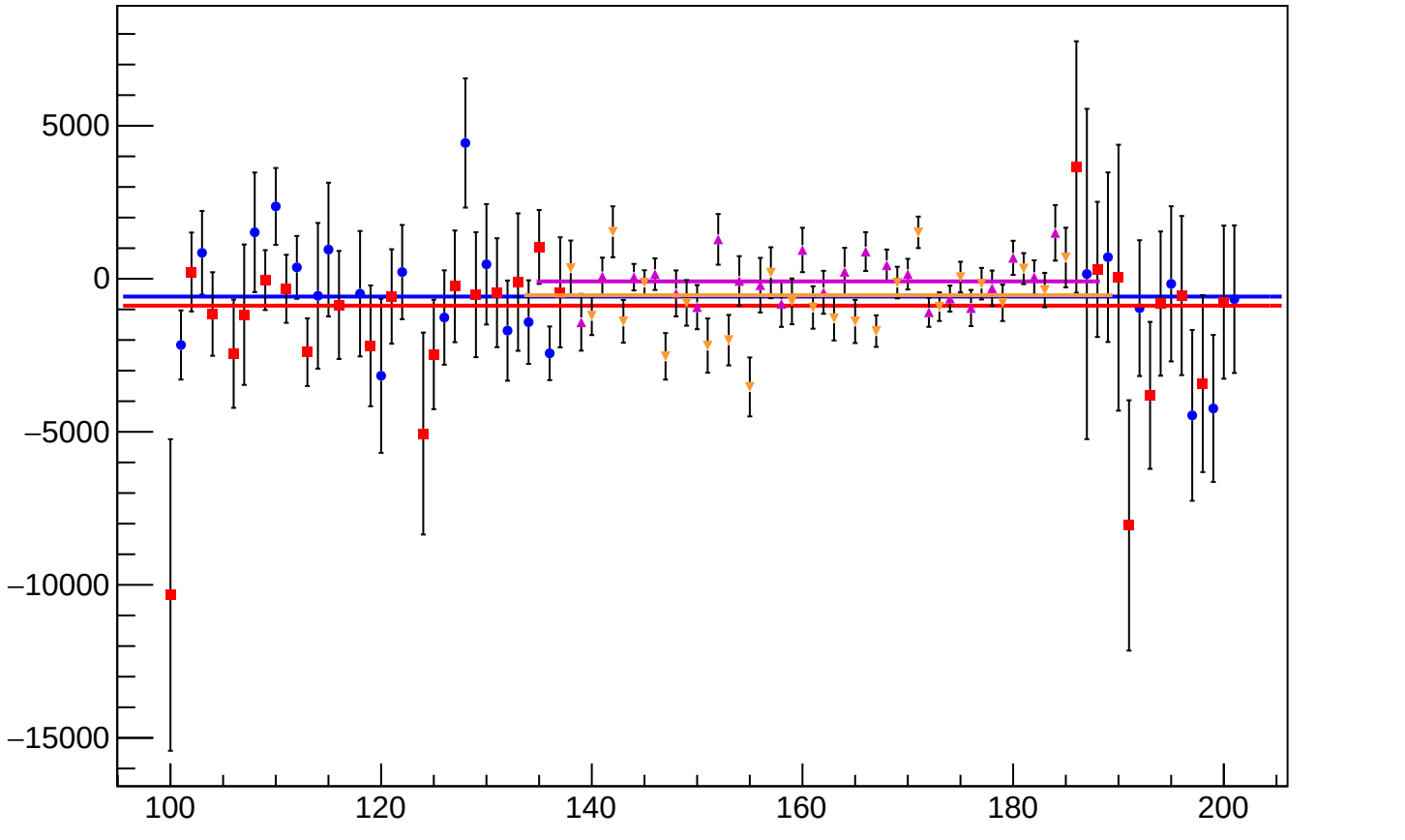
Right Out: 103.608+/-0.023 χ^2/NDF: 6046173.6/27

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 80.904+/-0.011 χ^2/NDF: 7379940.0/47

All: 81.531+/-0.008 χ^2/NDF: 15812083.4/98

- sign 82.187+/-0.011 χ^2/NDF: 8425499.5/50



Right In: -580.636+/-343.427 χ^2/NDF: 28.4/22

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

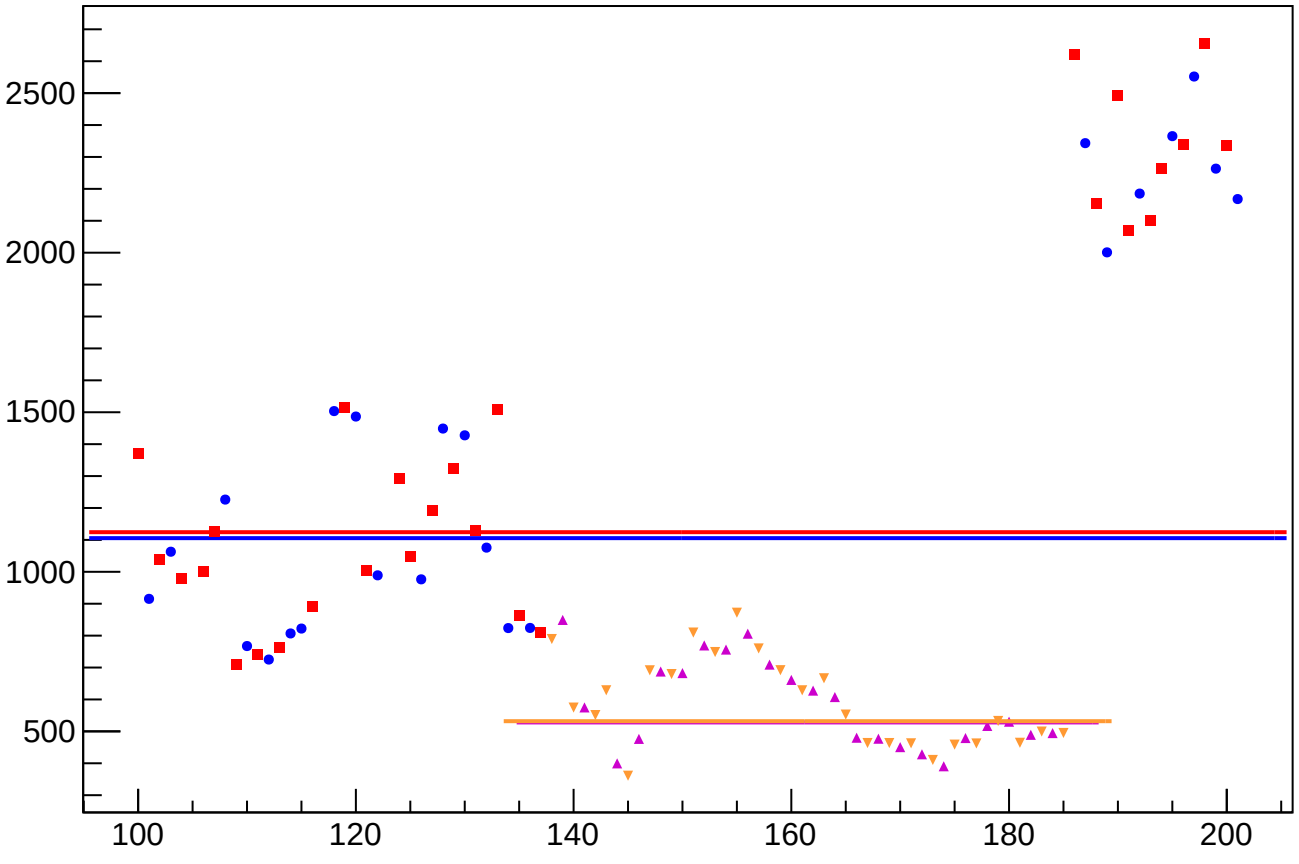
Right Out: -878.401+/-333.953 χ^2/NDF: 20.6/27

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -541.881+/-117.022 χ^2/NDF: 95.5/47

All: -366.043+/-83.347 χ^2/NDF: 153.0/98

- sign -185.010+/-118.738 χ^2/NDF: 53.0/50



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: 1124.149+/-0.236 χ^2/NDF: 4499429.8/27

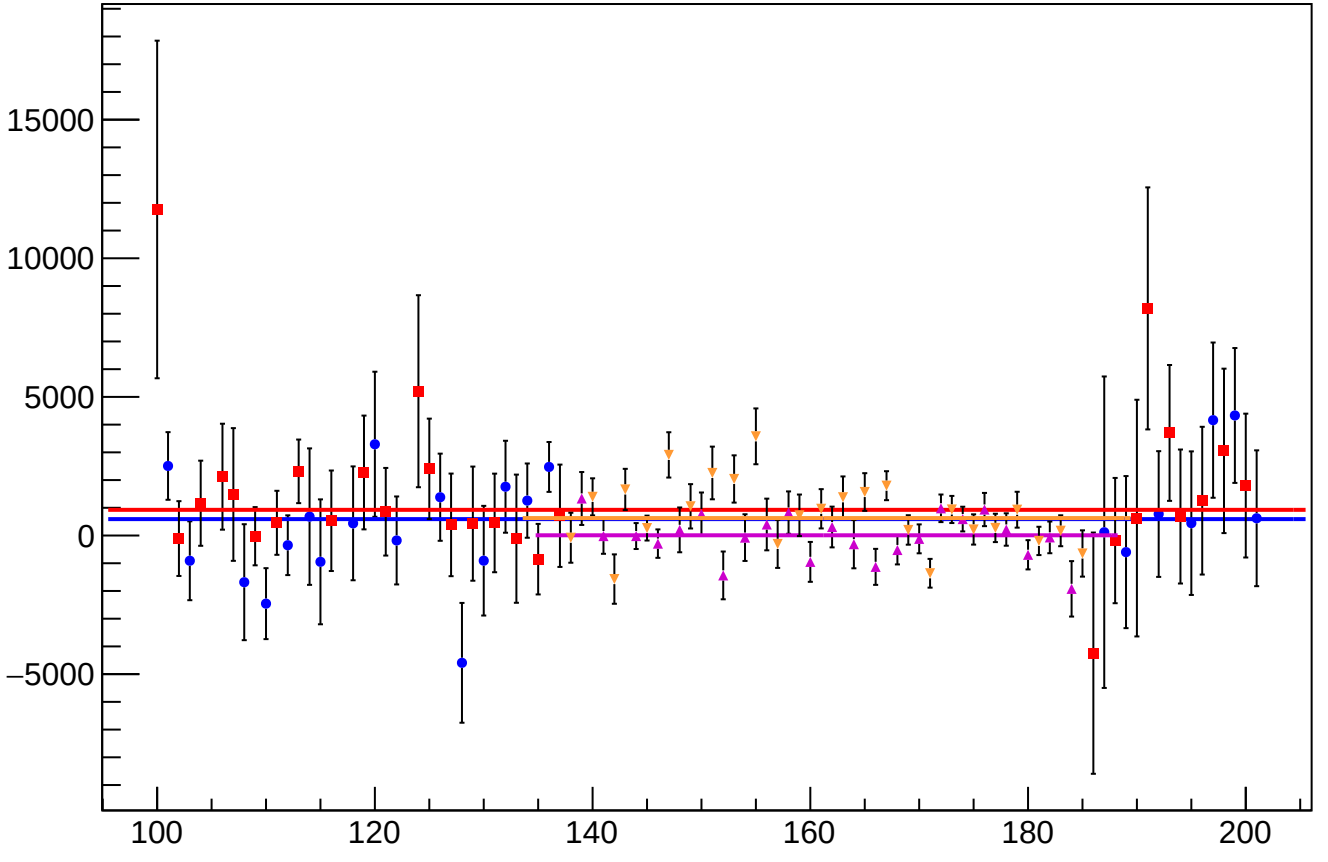
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 598.474+/-0.083 χ^2/NDF: 10738897.5/47

All: 600.877+/-0.059 χ^2/NDF: 22608424.4/98

- sign 603.351+/-0.084 χ^2/NDF: 11867814.8/50

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: 926.496+/-348.434 χ^2/NDF: 18.1/27

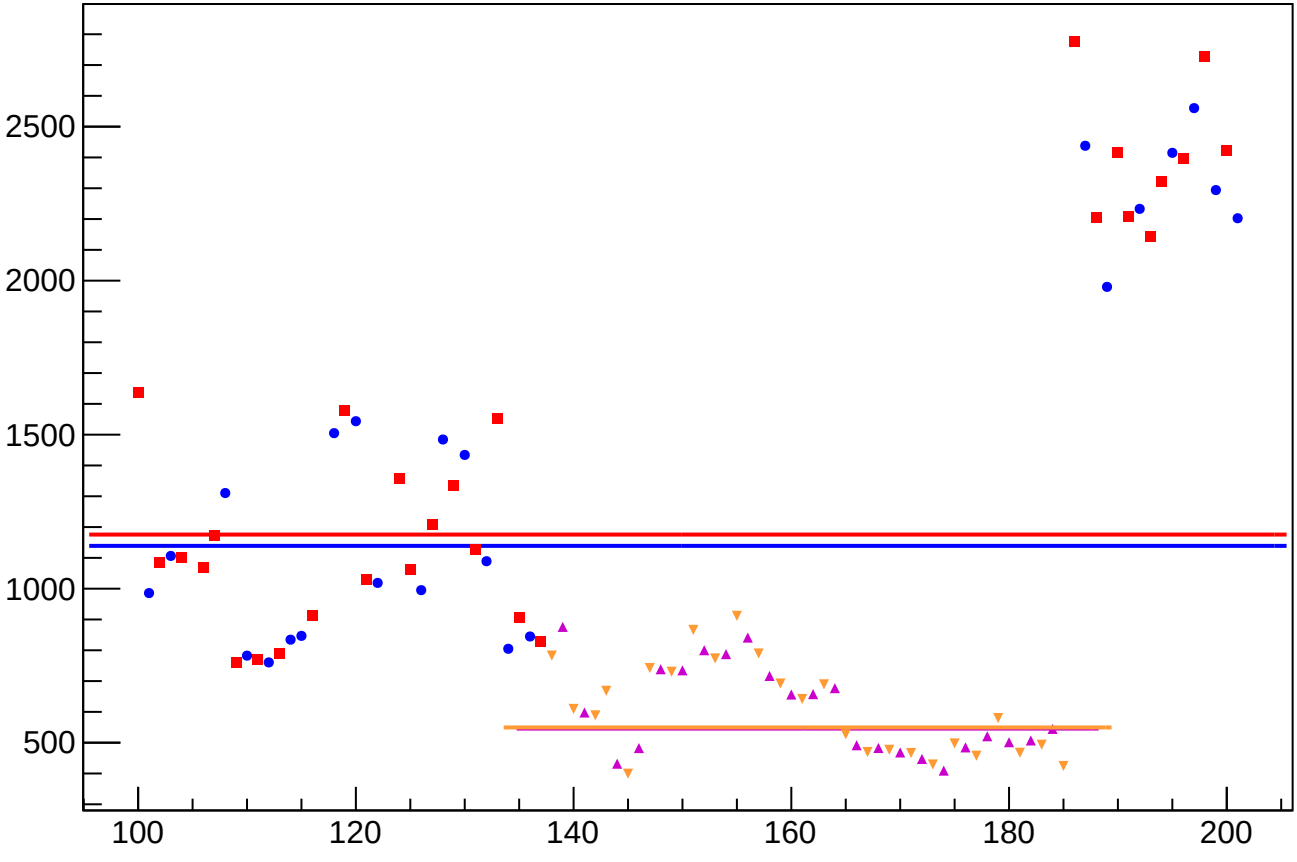
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 624.953+/-121.053 χ^2/NDF: 93.8/47

All: 377.490+/-86.228 χ^2/NDF: 153.8/98

- sign 122.596+/-122.857 χ^2/NDF: 51.5/50

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: 1175.650+/-0.246 χ^2/NDF: 4348937.0/27

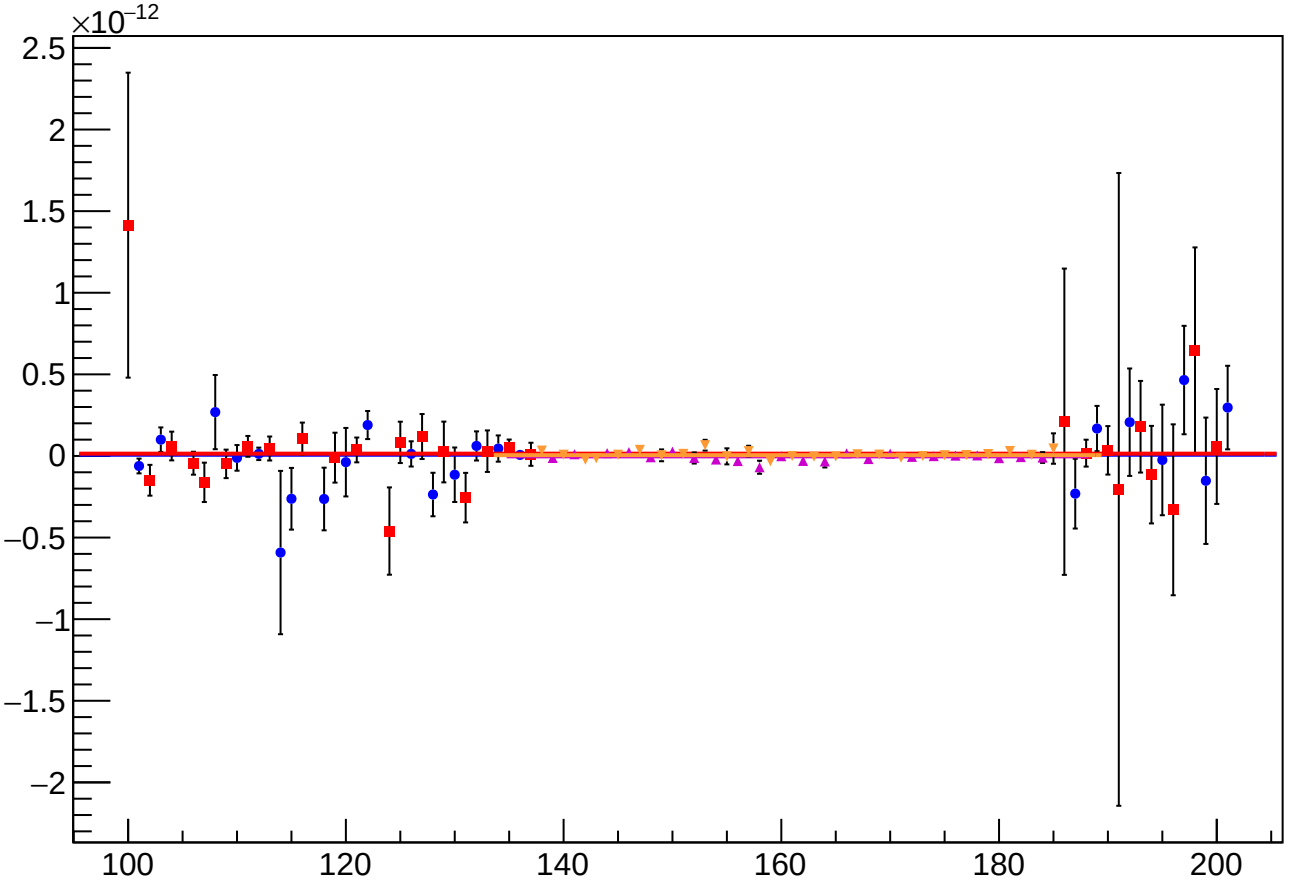
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 618.686+/-0.086 χ^2/NDF: 10645648.3/47

All: 621.316+/-0.061 χ^2/NDF: 22535460.2/98

- sign 624.026+/-0.087 χ^2/NDF: 11887894.8/50

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

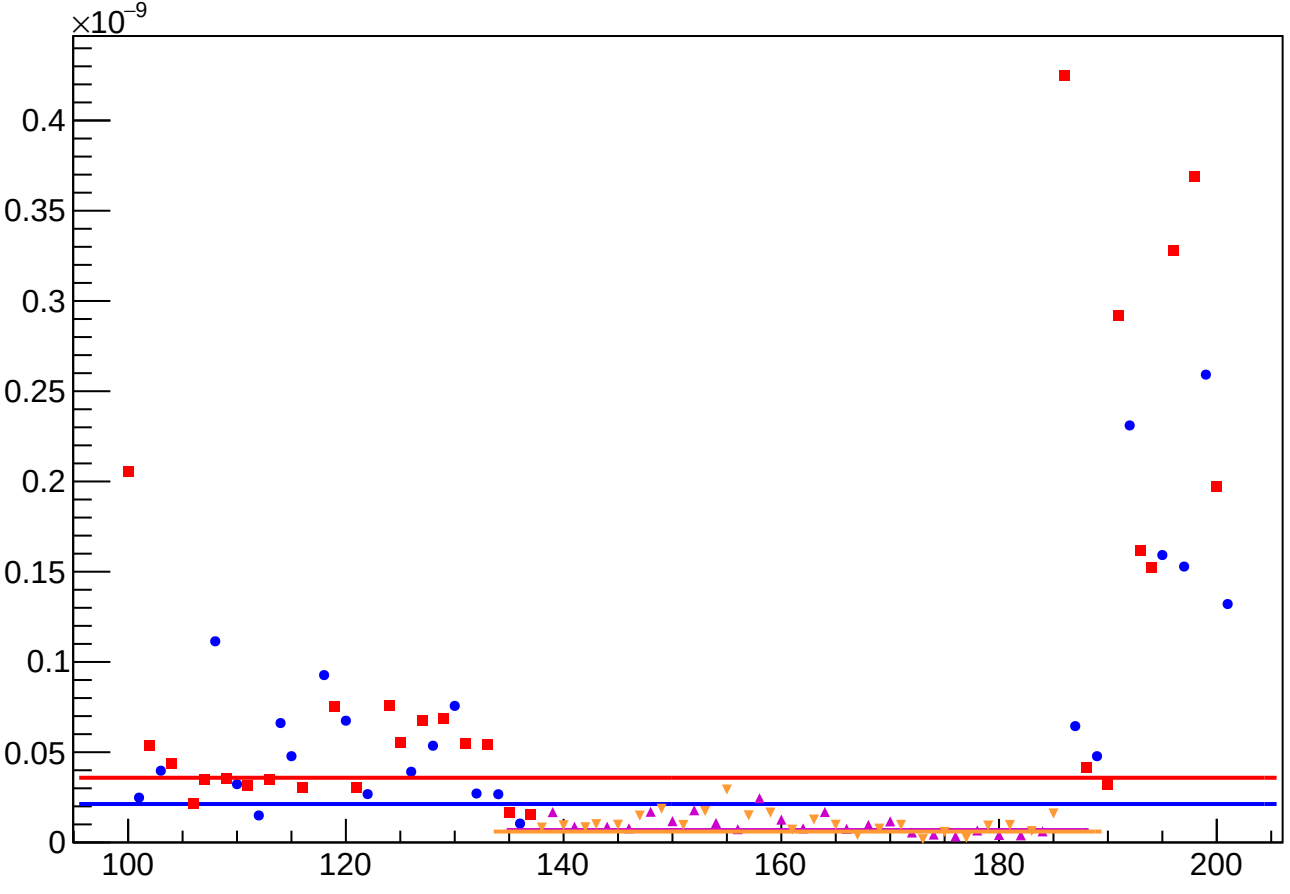
Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/27

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: 85.3/98

- sign -0.000+/-0.000 χ^2/NDF: 41.2/50



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: 3924682.4/27

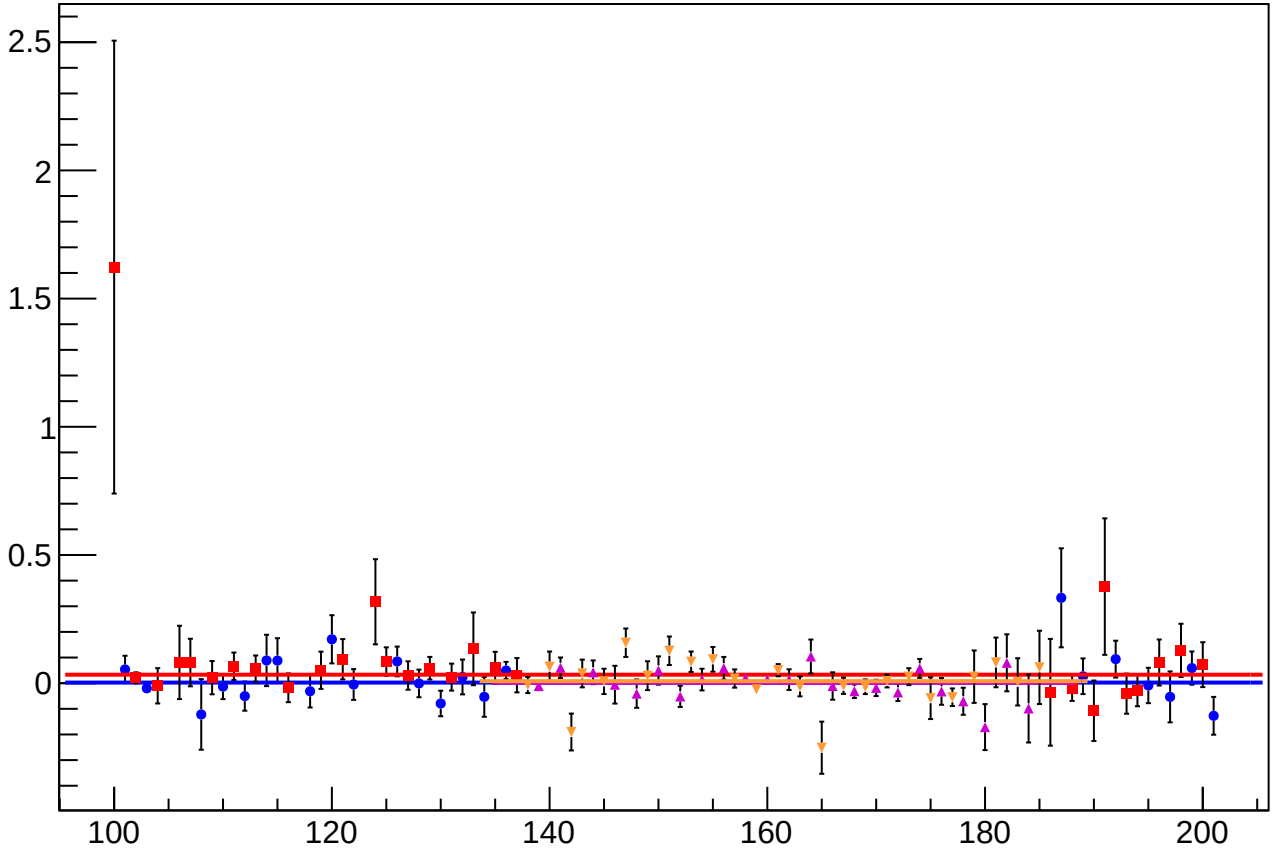
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10573018.5/47

All: 0.000+/-0.000 χ^2/NDF: 21182339.9/98

- sign 0.000+/-0.000 χ^2/NDF: 10516219.9/50

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: 0.033+/-0.012 χ^2/NDF: 18.7/27

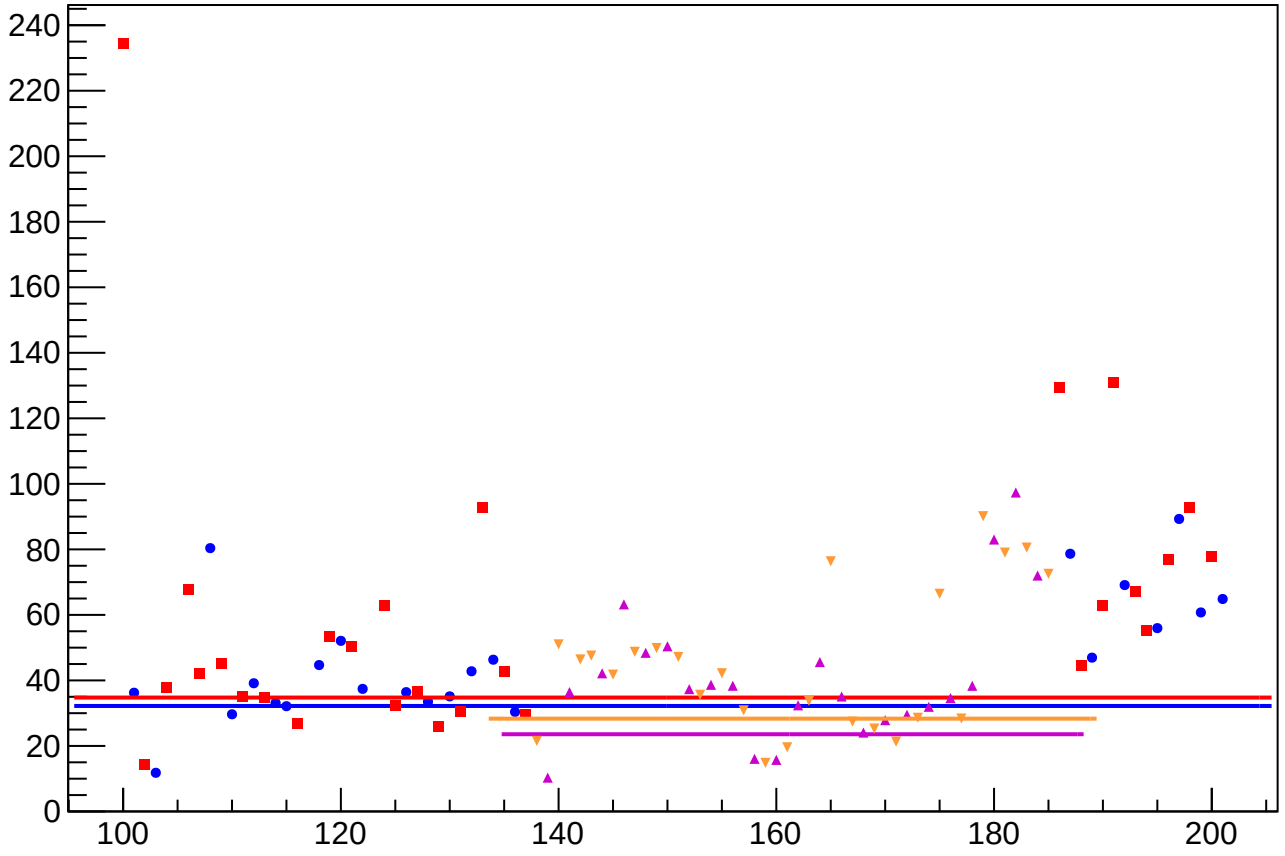
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.1/47

All: 0.008+/-0.004 χ^2/NDF: 122.8/98

- sign 0.010+/-0.006 χ^2/NDF: 49.5/50

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: 34.768+/-0.008 χ^2/NDF: 5843170.9/27

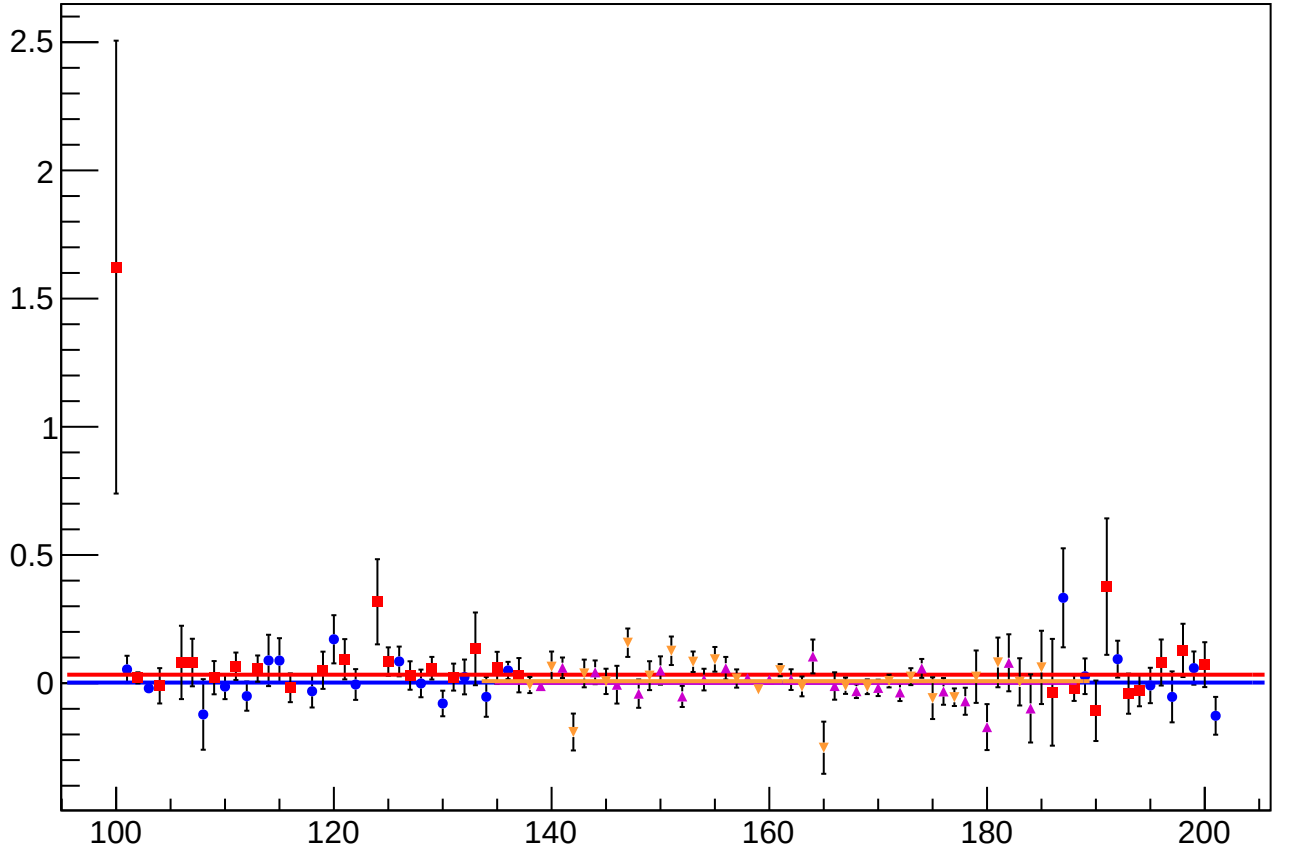
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 29.552+/-0.004 χ^2/NDF: 12137174.0/47

All: 27.909+/-0.003 χ^2/NDF: 27903179.0/98

- sign 26.470+/-0.004 χ^2/NDF: 15507905.2/50

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: 0.033+/-0.012 χ^2/NDF: 18.7/27

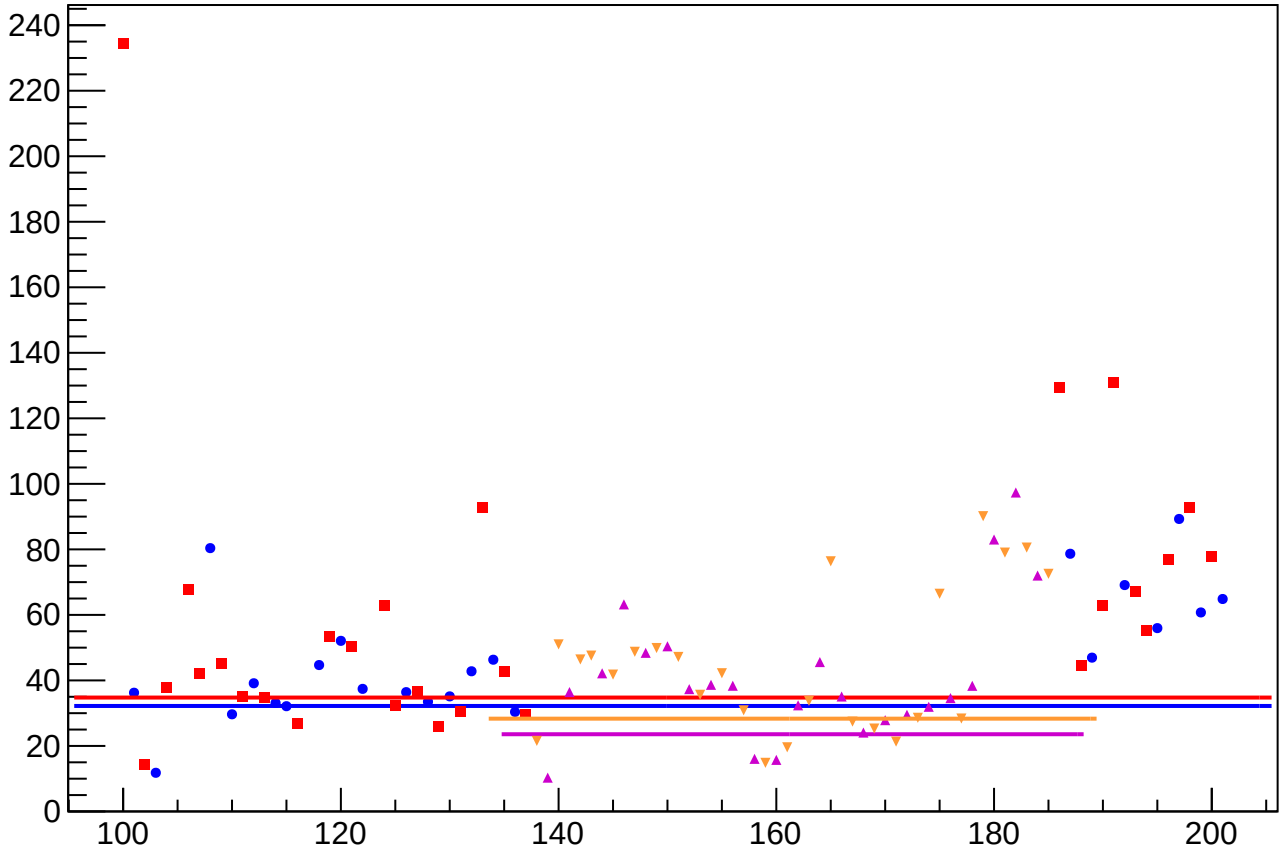
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.1/47

All: 0.008+/-0.004 χ^2/NDF: 122.8/98

- sign 0.010+/-0.006 χ^2/NDF: 49.5/50

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

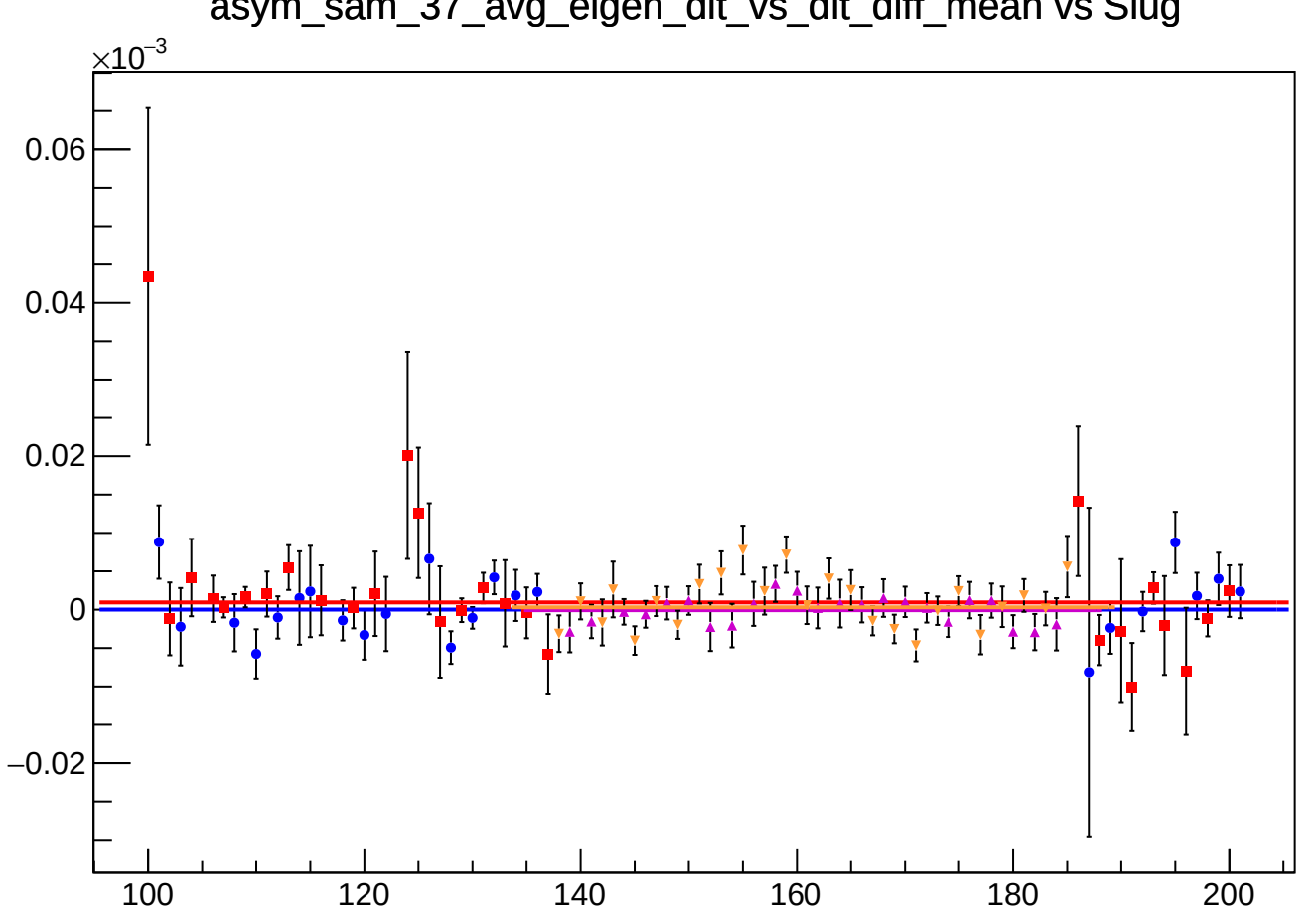
Right Out: 34.768+/-0.008 χ^2/NDF: 5843170.9/27

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 29.552+/-0.004 χ^2/NDF: 12137174.0/47

All: 27.909+/-0.003 χ^2/NDF: 27903179.0/98

- sign 26.470+/-0.004 χ^2/NDF: 15507905.2/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

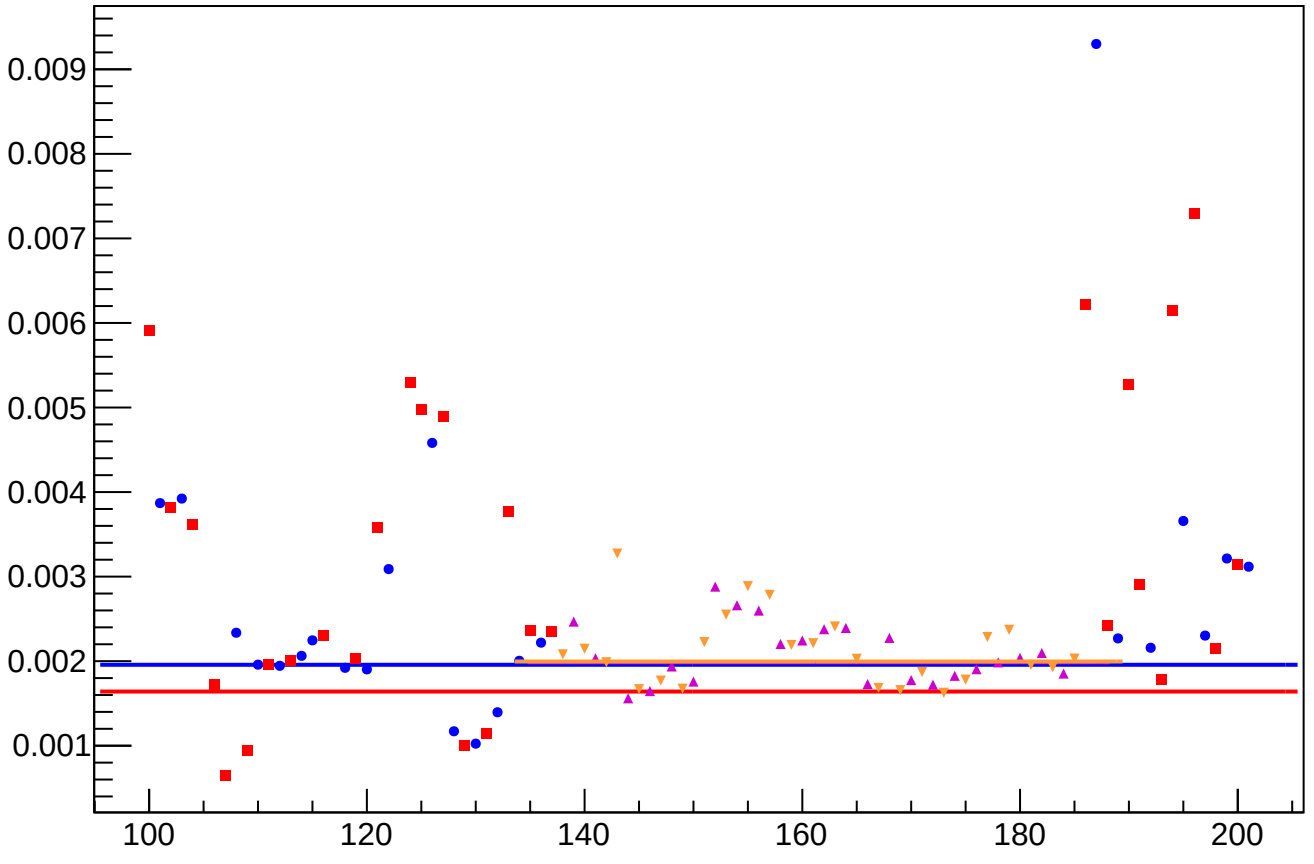
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/27

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: 114.1/98

- sign 0.000+/-0.000 χ^2/NDF: 40.1/50



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: 8012334.7/27

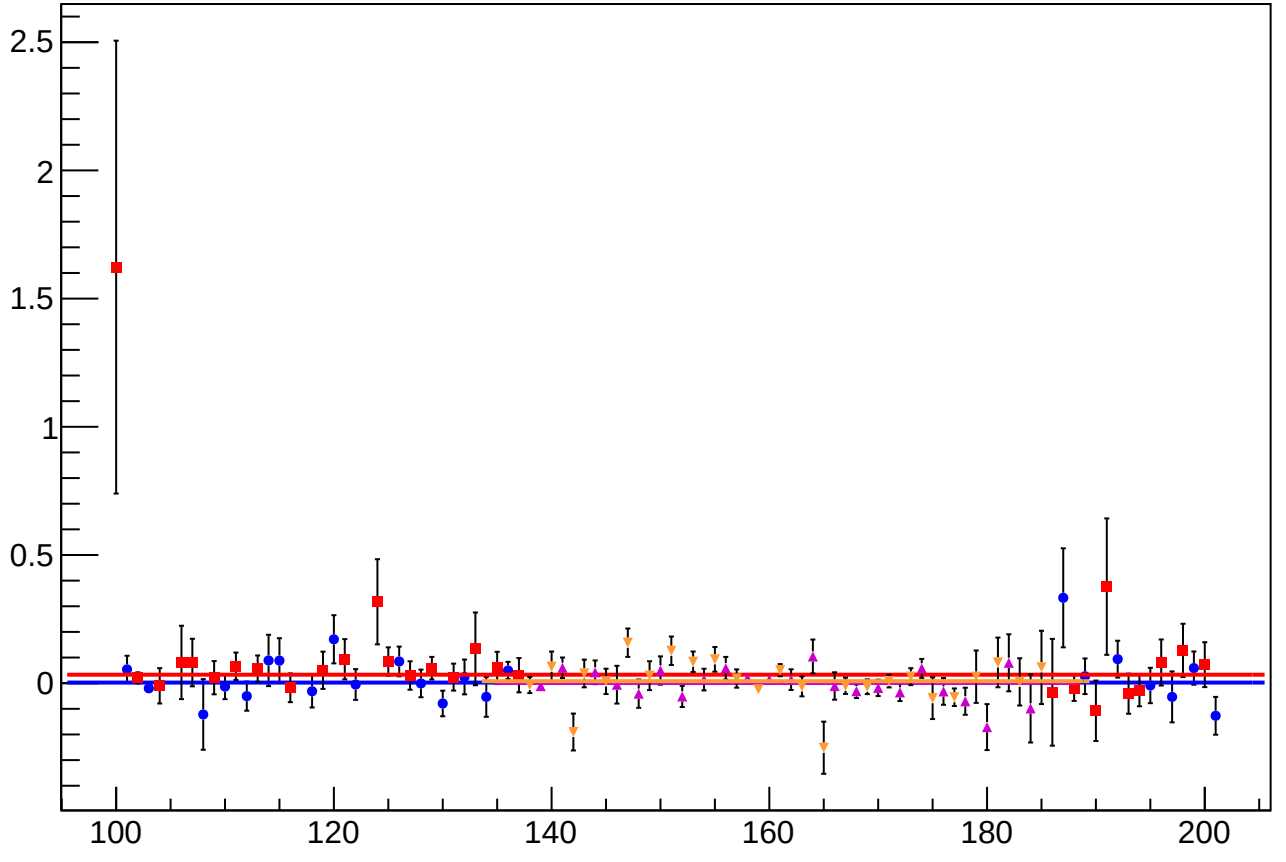
Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 4659647.5/47

All: 0.002+/-0.000 χ^2/NDF: 14212820.9/98

- sign 0.002+/-0.000 χ^2/NDF: 9397838.9/50

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: 0.033+/-0.012 χ^2/NDF: 18.7/27

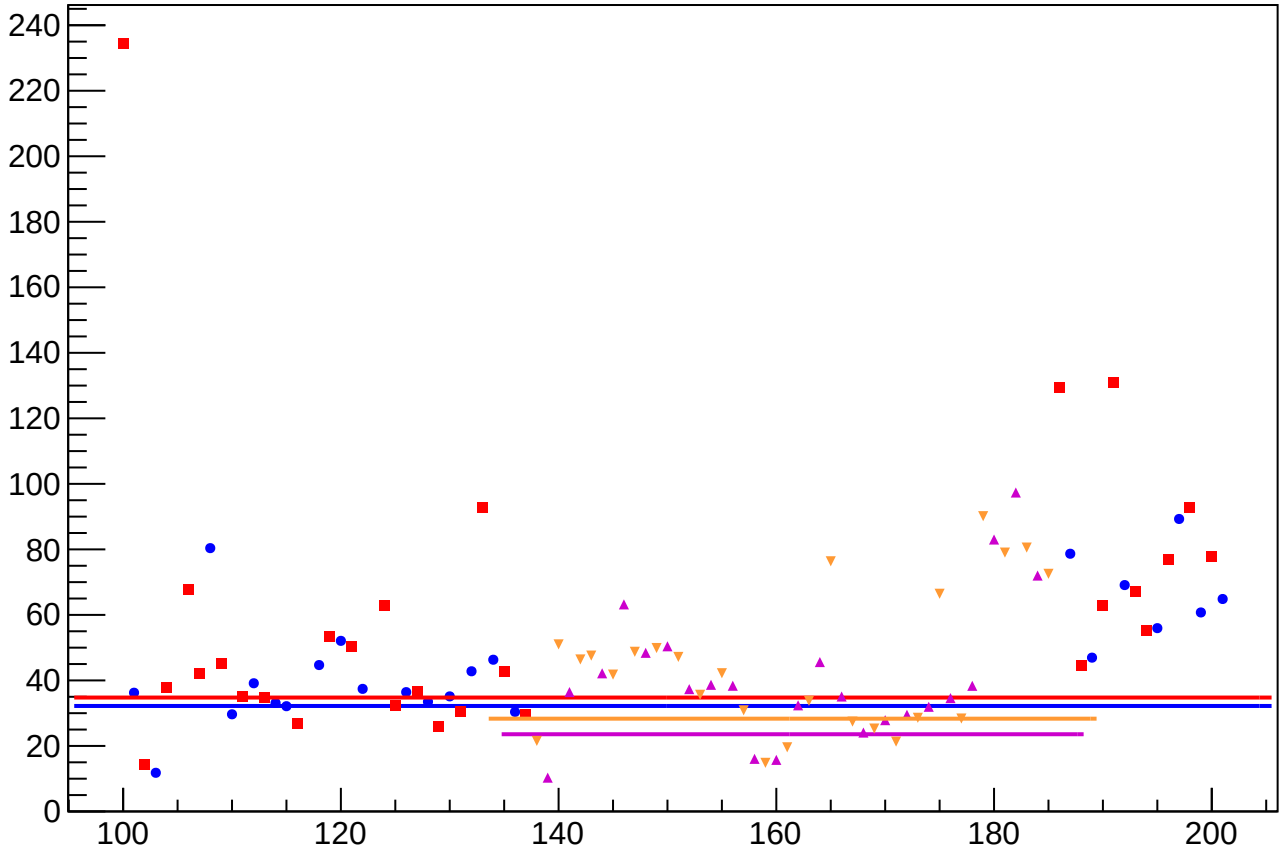
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.1/47

All: 0.008+/-0.004 χ^2/NDF: 122.8/98

- sign 0.010+/-0.006 χ^2/NDF: 49.5/50

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

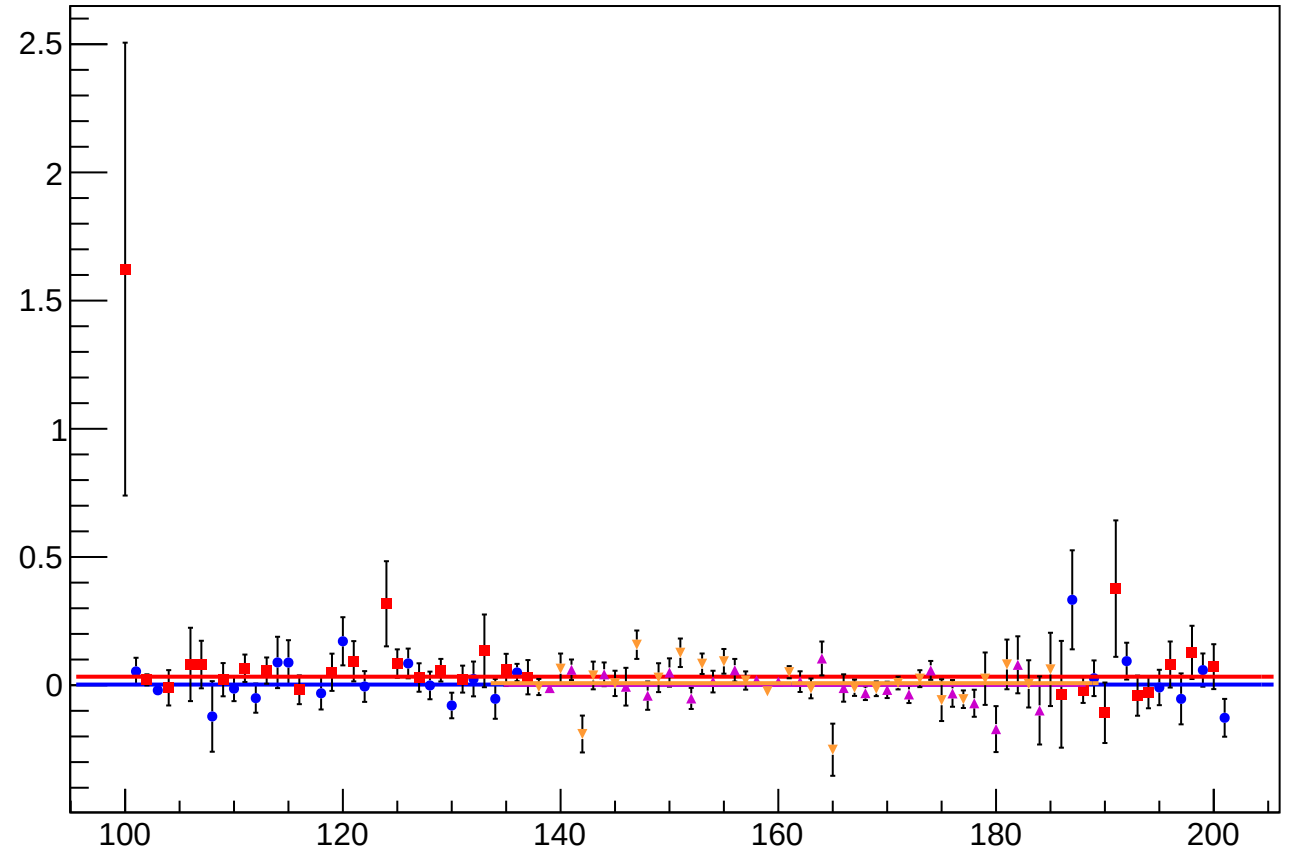
Right Out: 34.771+/-0.008 χ^2/NDF: 5842123.7/27

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

\+ sign 29.551+/-0.004 χ^2/NDF: 12137946.9/47

All: 27.908+/-0.003 χ^2/NDF: 27904866.3/98

\- sign 26.470+/-0.004 χ^2/NDF: 15508823.2/50



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: 0.033+/-0.012 χ^2/NDF: 18.7/27

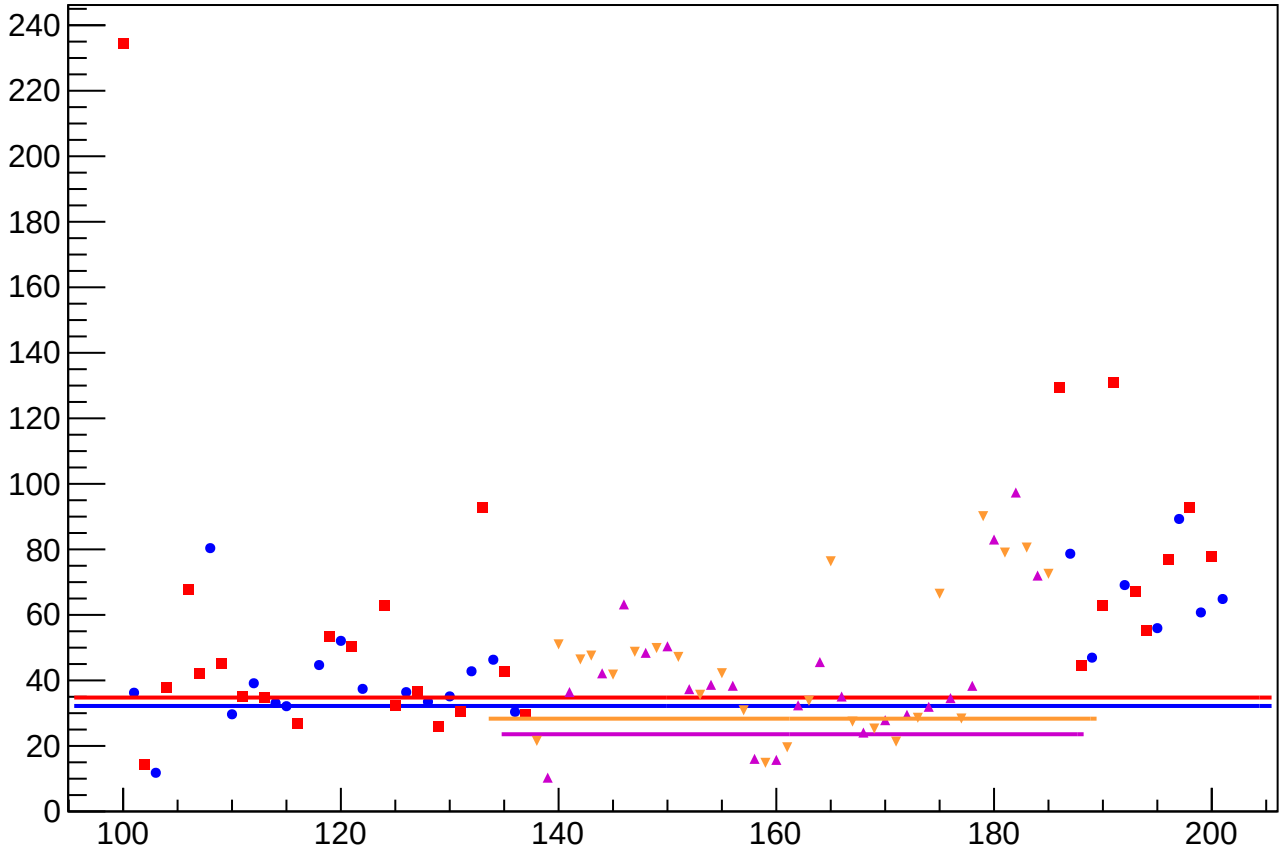
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.1/47

All: 0.008+/-0.004 χ^2/NDF: 122.8/98

- sign 0.010+/-0.006 χ^2/NDF: 49.5/50

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

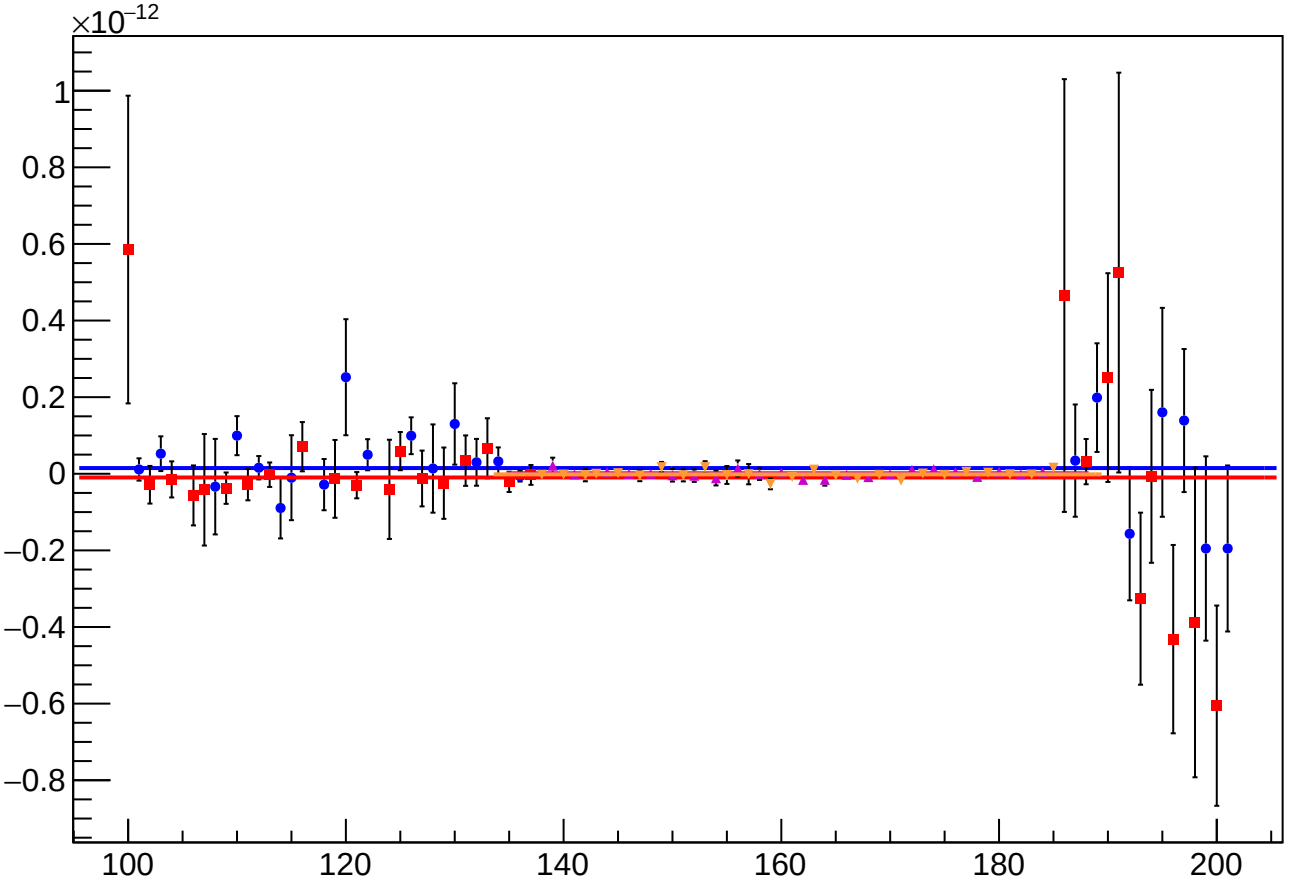
Right Out: 34.771+/-0.008 χ^2/NDF: 5842123.7/27

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 29.551+/-0.004 χ^2/NDF: 12137946.9/47

All: 27.908+/-0.003 χ^2/NDF: 27904866.3/98

- sign 26.470+/-0.004 χ^2/NDF: 15508823.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

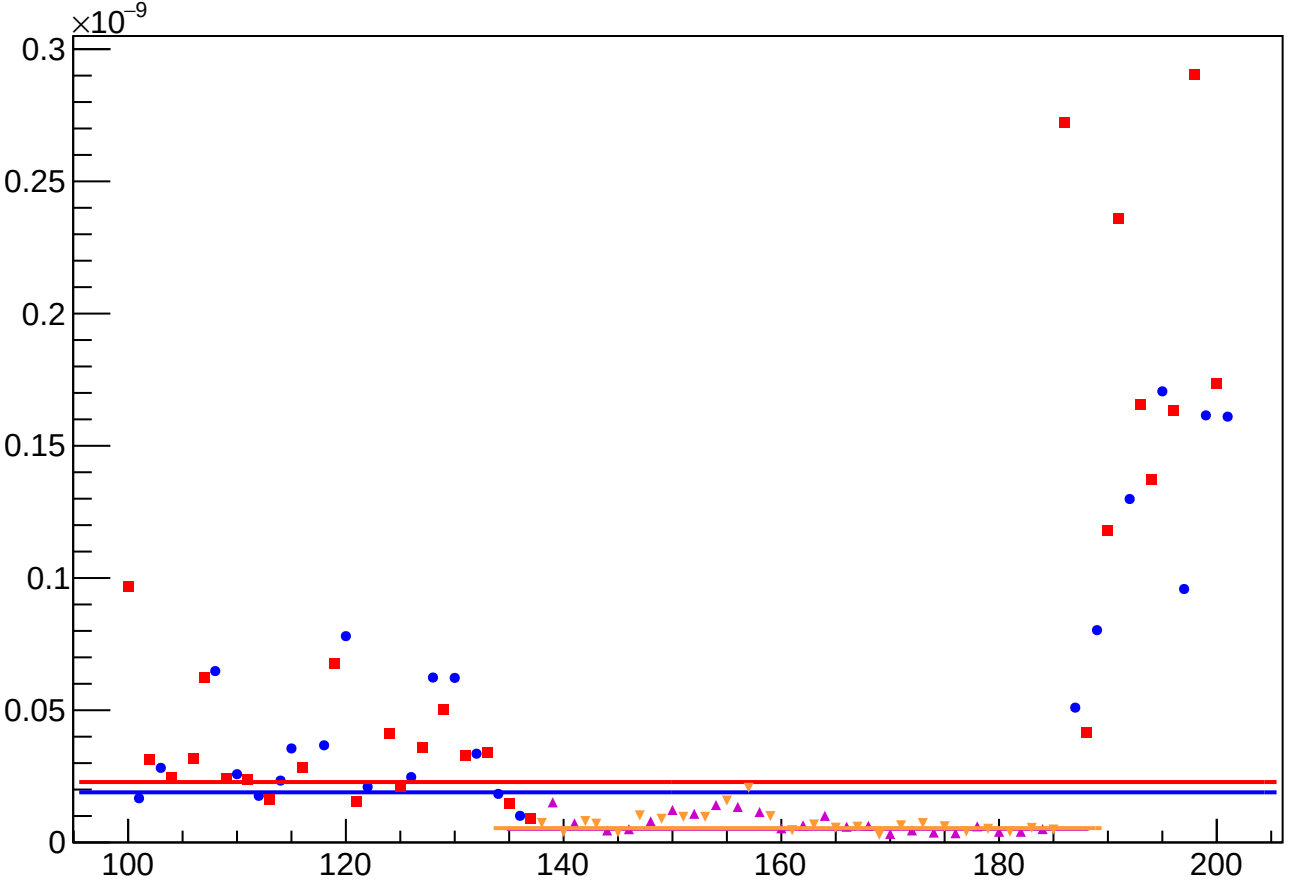
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/27

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: 82.4/98

- sign 0.000+/-0.000 χ^2/NDF: 40.2/50



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: 6705413.6/27

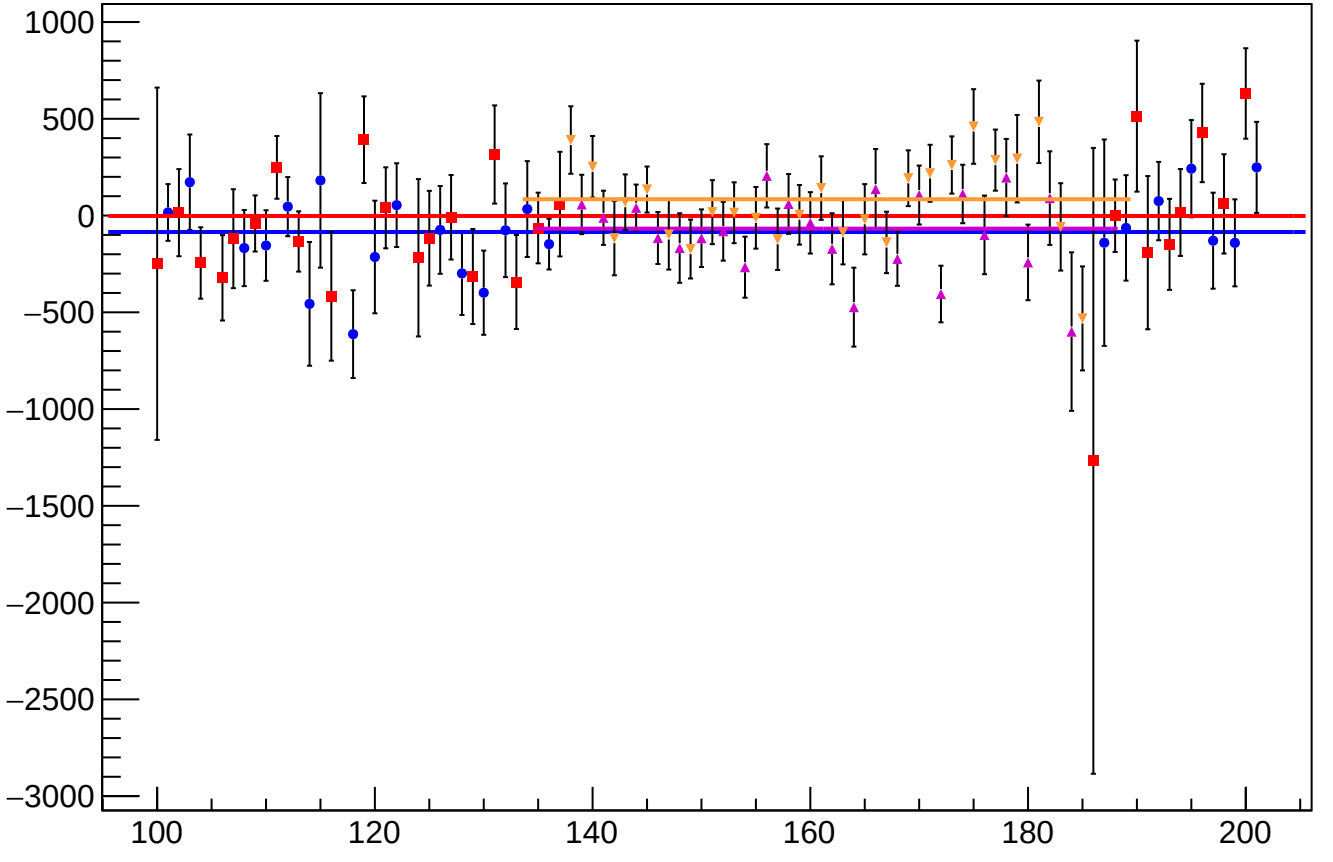
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13413916.4/47

All: 0.000+/-0.000 χ^2/NDF: 28959733.0/98

- sign 0.000+/-0.000 χ^2/NDF: 15525596.2/50

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: -2.107+/-43.427 χ^2/NDF: 31.1/27

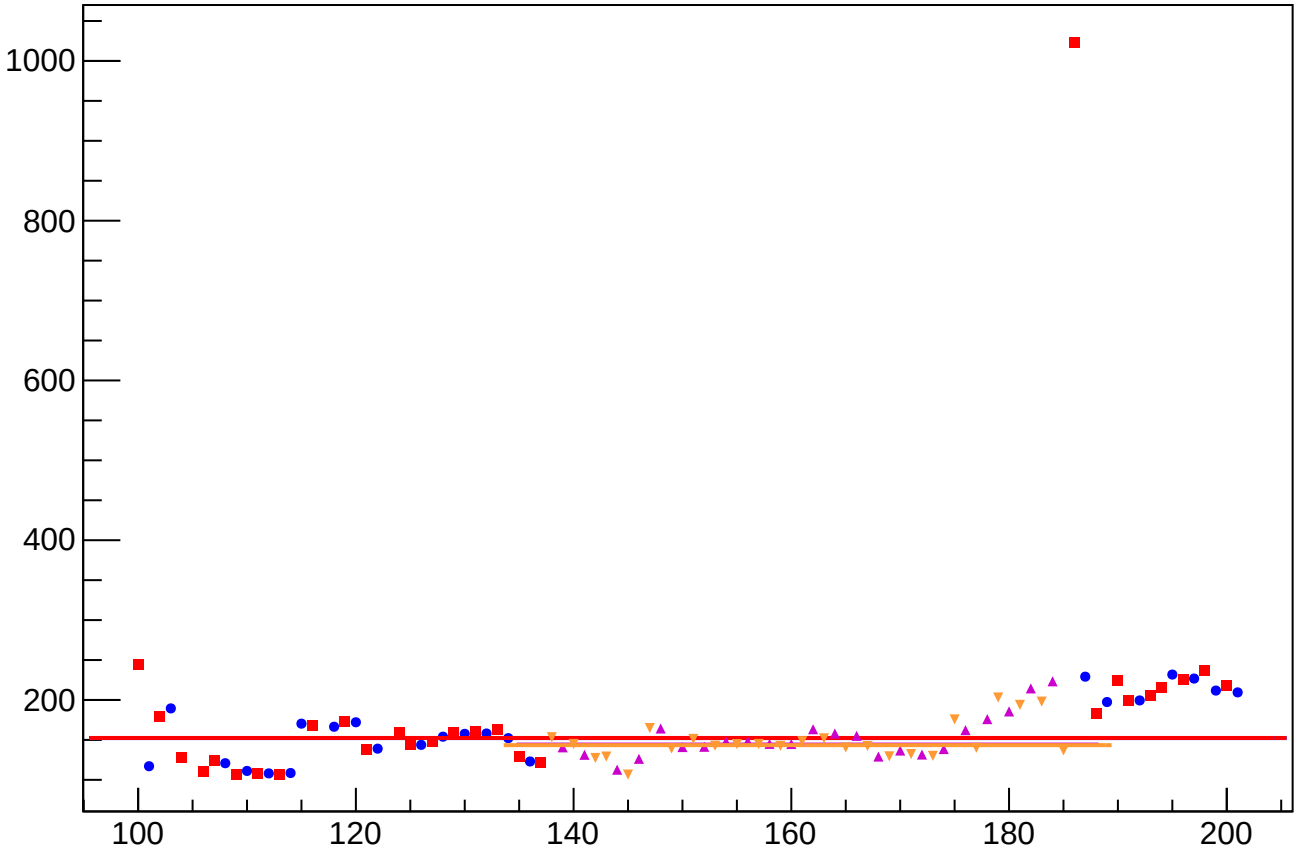
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 24.928+/-26.626 χ^2/NDF: 61.4/47

All: -8.576+/-18.902 χ^2/NDF: 123.6/98

- sign -42.615+/-26.838 χ^2/NDF: 59.0/50

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: 152.439+/-0.031 χ^2/NDF: 2324850.8/27

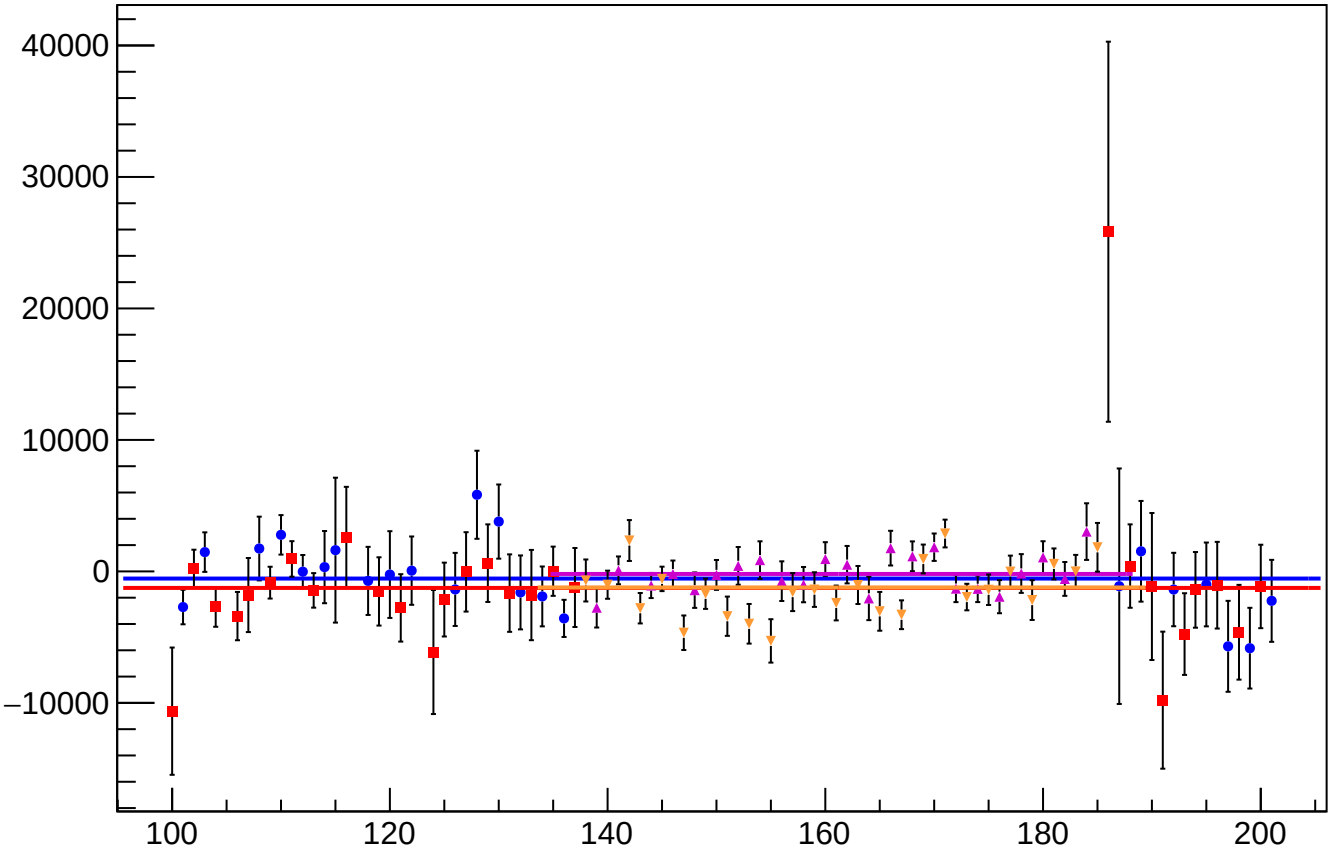
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 146.545+/-0.019 χ^2/NDF: 2293121.0/47

All: 146.933+/-0.013 χ^2/NDF: 5366356.5/98

- sign 147.328+/-0.019 χ^2/NDF: 3072375.9/50

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: -1256.995+/-437.531 χ^2/NDF: 22.1/27

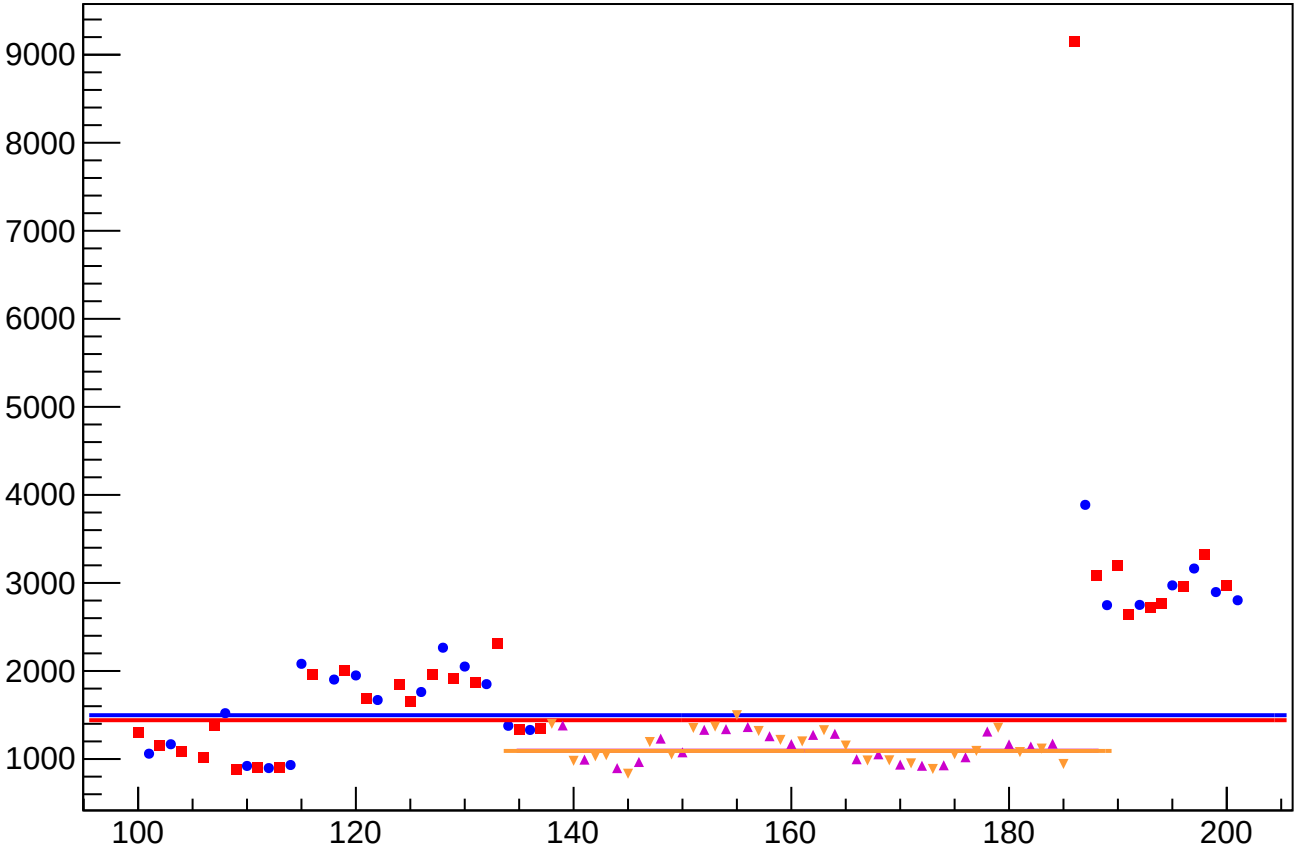
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1071.913+/-221.656 χ^2/NDF: 88.8/47

All: -772.327+/-157.147 χ^2/NDF: 142.2/98

- sign -469.565+/-222.828 χ^2/NDF: 49.8/50

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: 1440.907+/-0.309 χ^2/NDF: 5450062.3/27

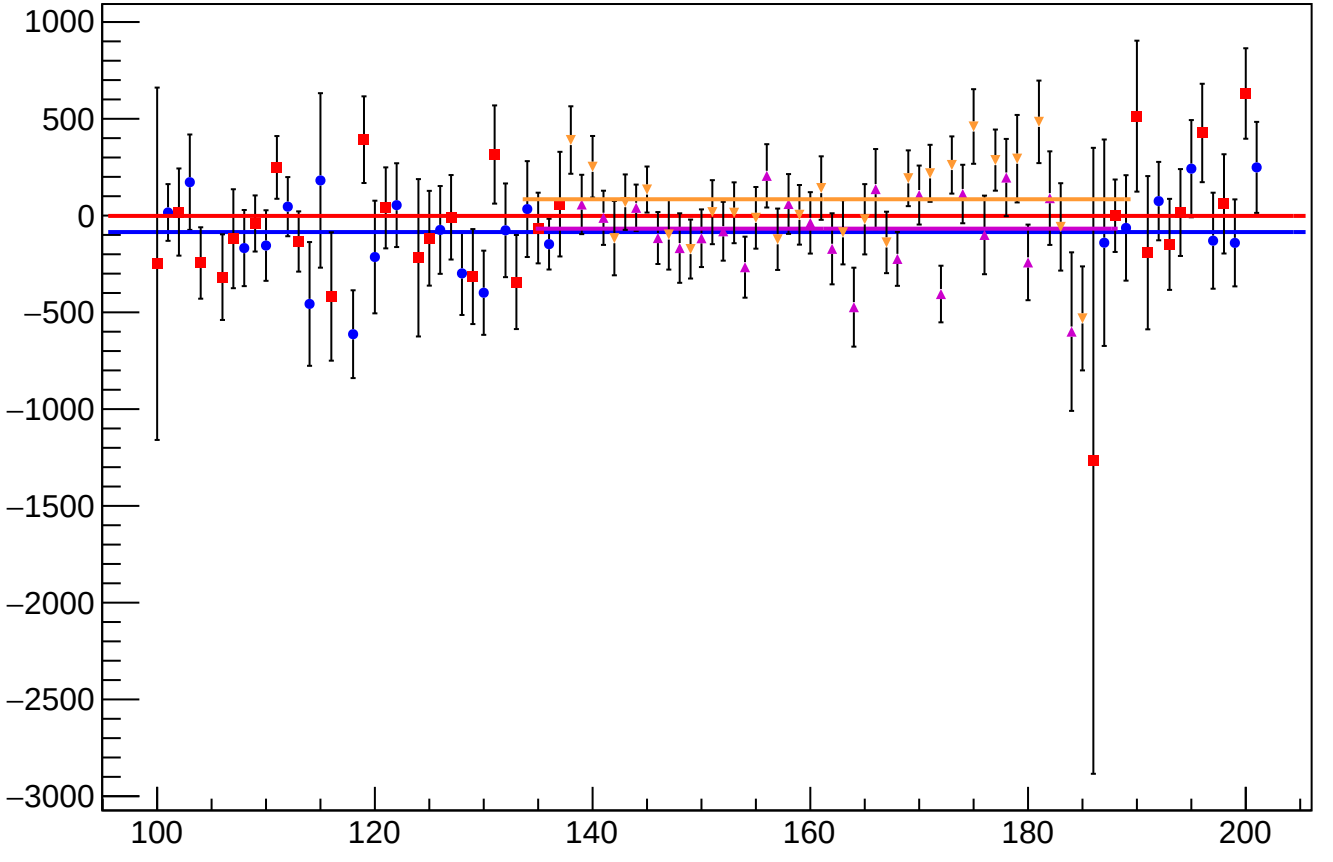
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1183.203+/-0.157 χ^2/NDF: 6004407.1/47

All: 1183.765+/-0.111 χ^2/NDF: 13116097.1/9

- sign 1184.332+/-0.158 χ^2/NDF: 7111664.3/50

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: -1.767+/-43.433 χ^2/NDF: 31.0/27

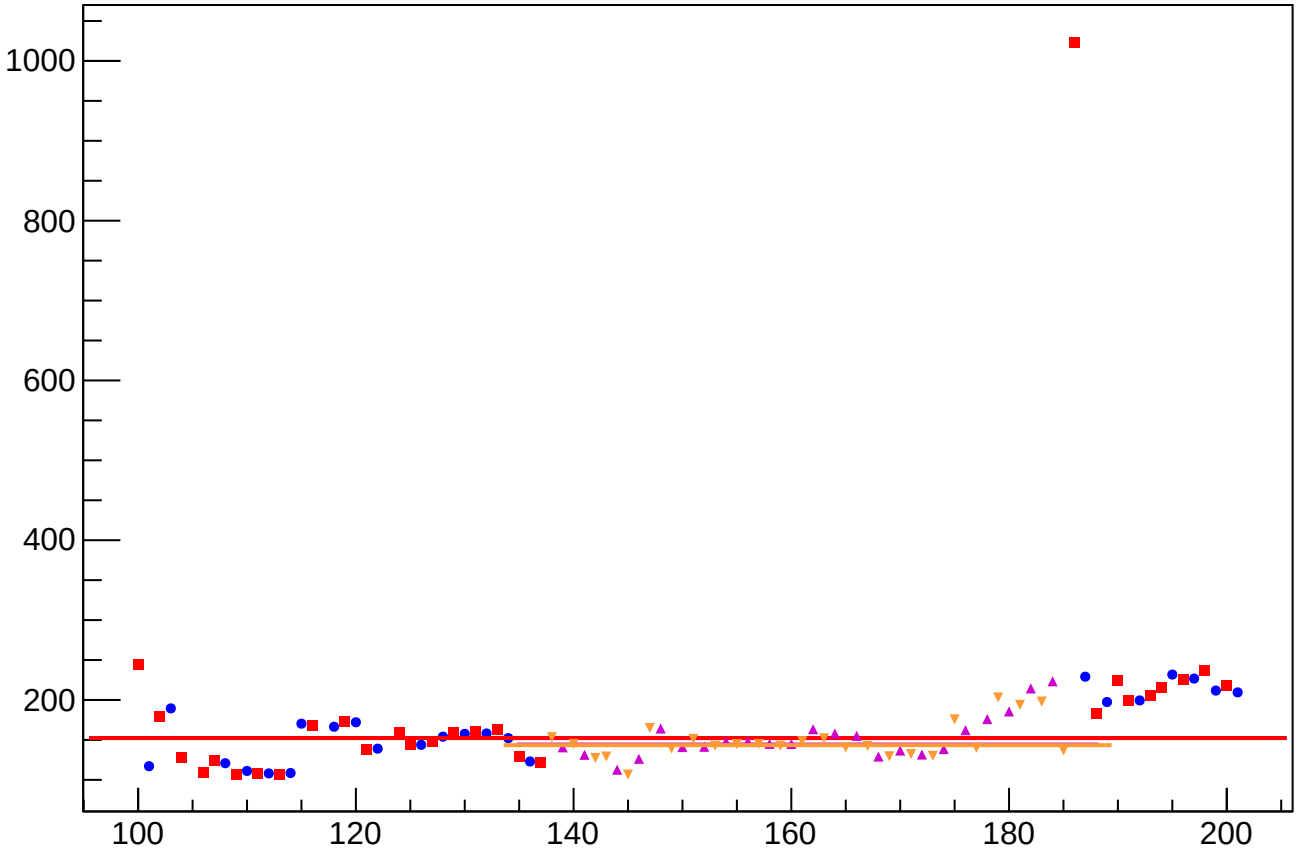
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 24.934+/-26.626 χ^2/NDF: 61.4/47

All: -8.509+/-18.902 χ^2/NDF: 123.5/98

- sign -42.491+/-26.839 χ^2/NDF: 59.0/50

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

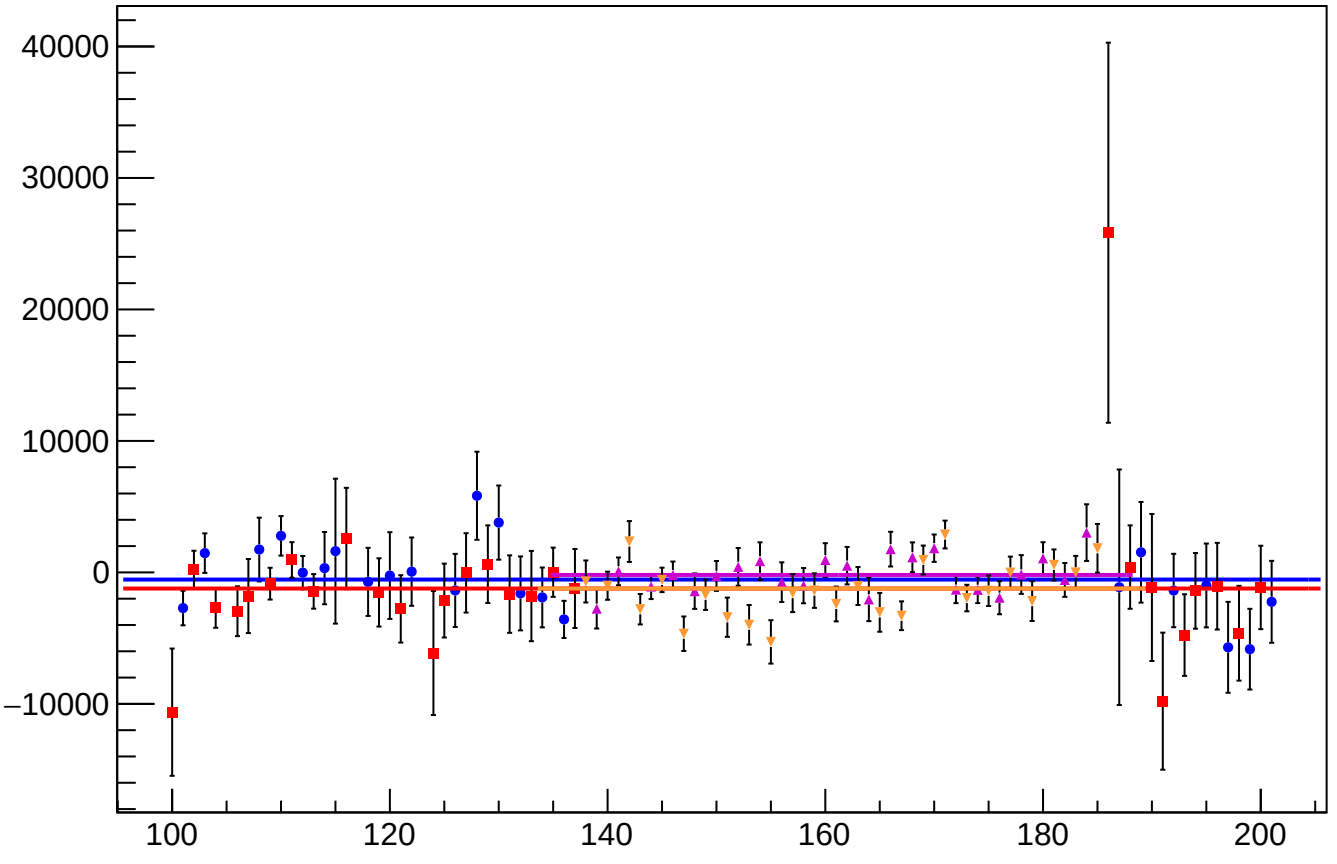
Right Out: 152.389+/-0.031 χ^2/NDF: 2330131.5/27

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

\+ sign 146.545+/-0.019 χ^2/NDF: 2293123.6/47

All: 146.924+/-0.013 χ^2/NDF: 5371056.2/98

\- sign 147.309+/-0.019 χ^2/NDF: 3077115.1/50



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: -1226.662+/-438.284 χ^2/NDF: 21.6/27

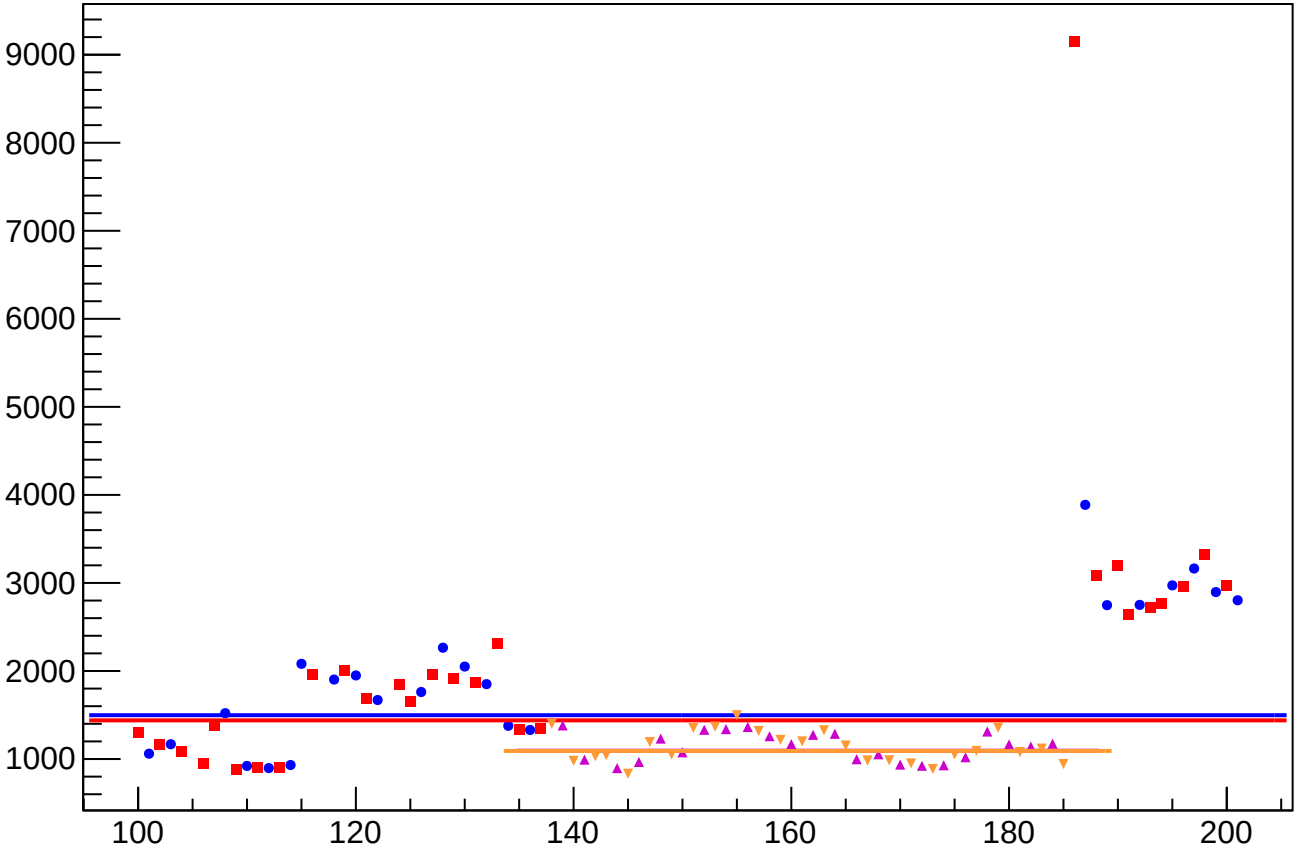
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1071.916+/-221.656 χ^2/NDF: 88.8/47

All: -768.213+/-157.182 χ^2/NDF: 141.5/98

- sign -461.018+/-222.927 χ^2/NDF: 49.0/50

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: 1439.102+/-0.310 χ^2/NDF: 5474763.8/27

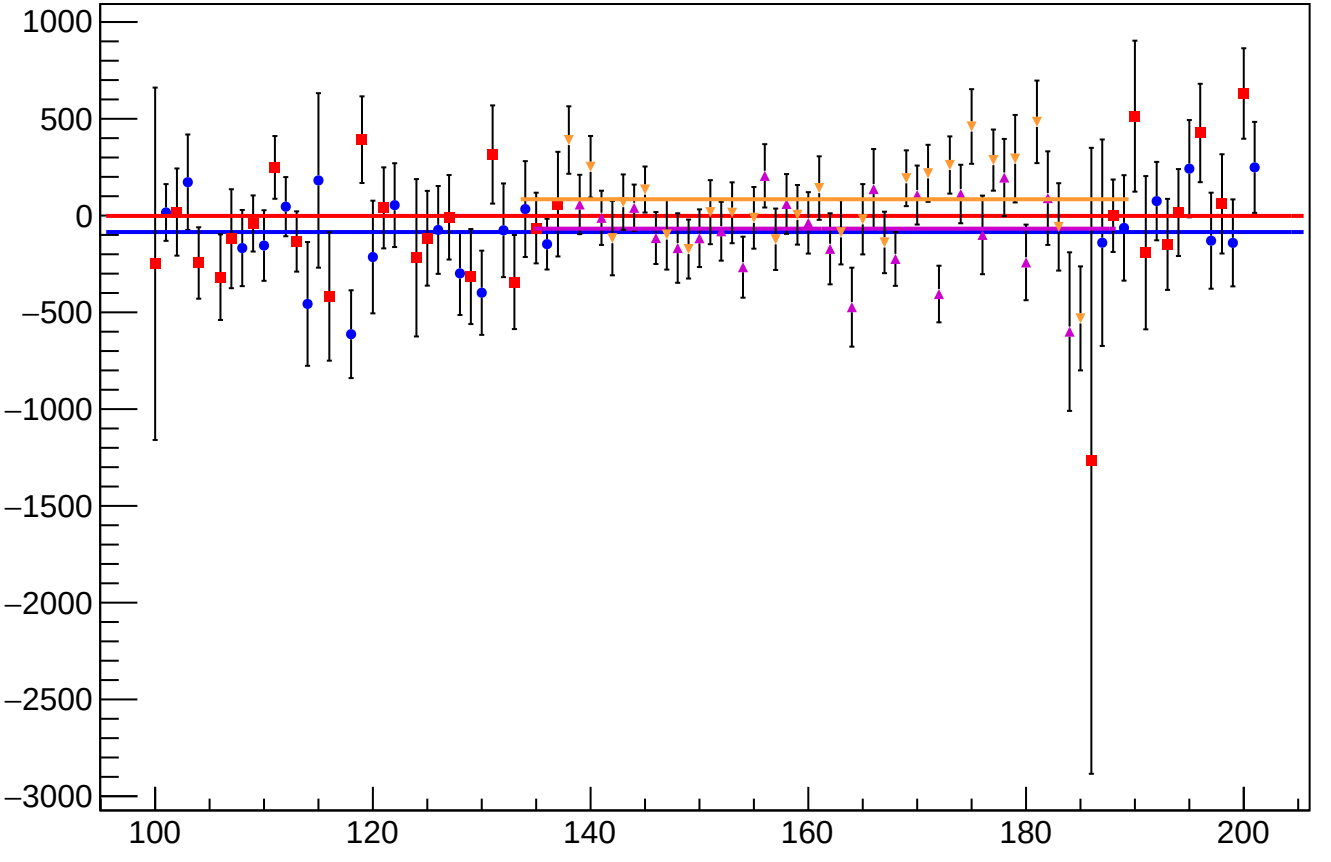
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1183.206+/-0.157 χ^2/NDF: 6004403.6/47

All: 1183.420+/-0.111 χ^2/NDF: 13128779.3/9

- sign 1183.636+/-0.158 χ^2/NDF: 7124371.9/50

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: -1.767+/-43.433 χ^2/NDF: 31.0/27

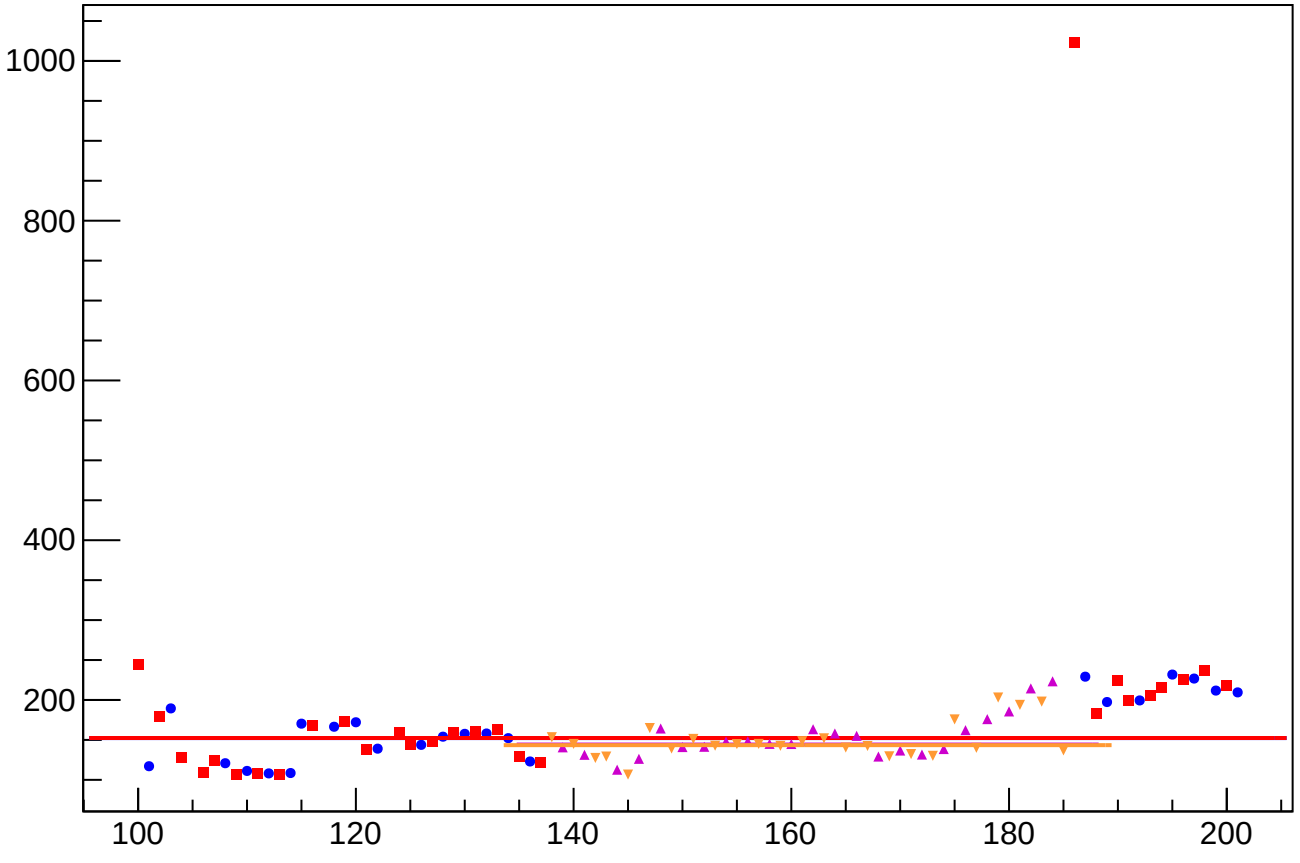
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 24.934+/-26.626 χ^2/NDF: 61.4/47

All: -8.509+/-18.902 χ^2/NDF: 123.5/98

- sign -42.491+/-26.839 χ^2/NDF: 59.0/50

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

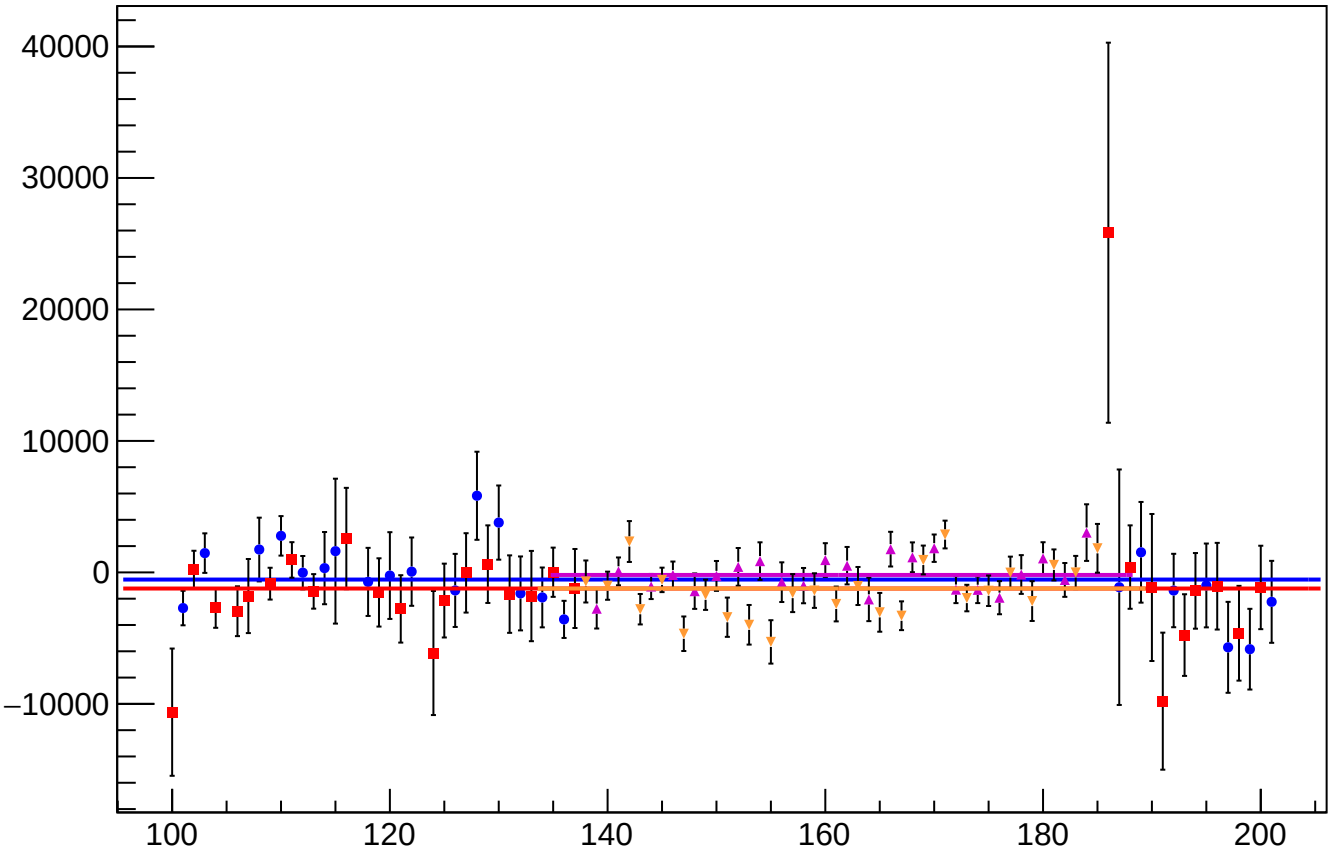
Right Out: 152.389+/-0.031 χ^2/NDF: 2330131.5/27

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 146.545+/-0.019 χ^2/NDF: 2293123.6/47

All: 146.924+/-0.013 χ^2/NDF: 5371056.2/98

- sign 147.309+/-0.019 χ^2/NDF: 3077115.1/50



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: -1226.662+/-438.284 χ^2/NDF: 21.6/27

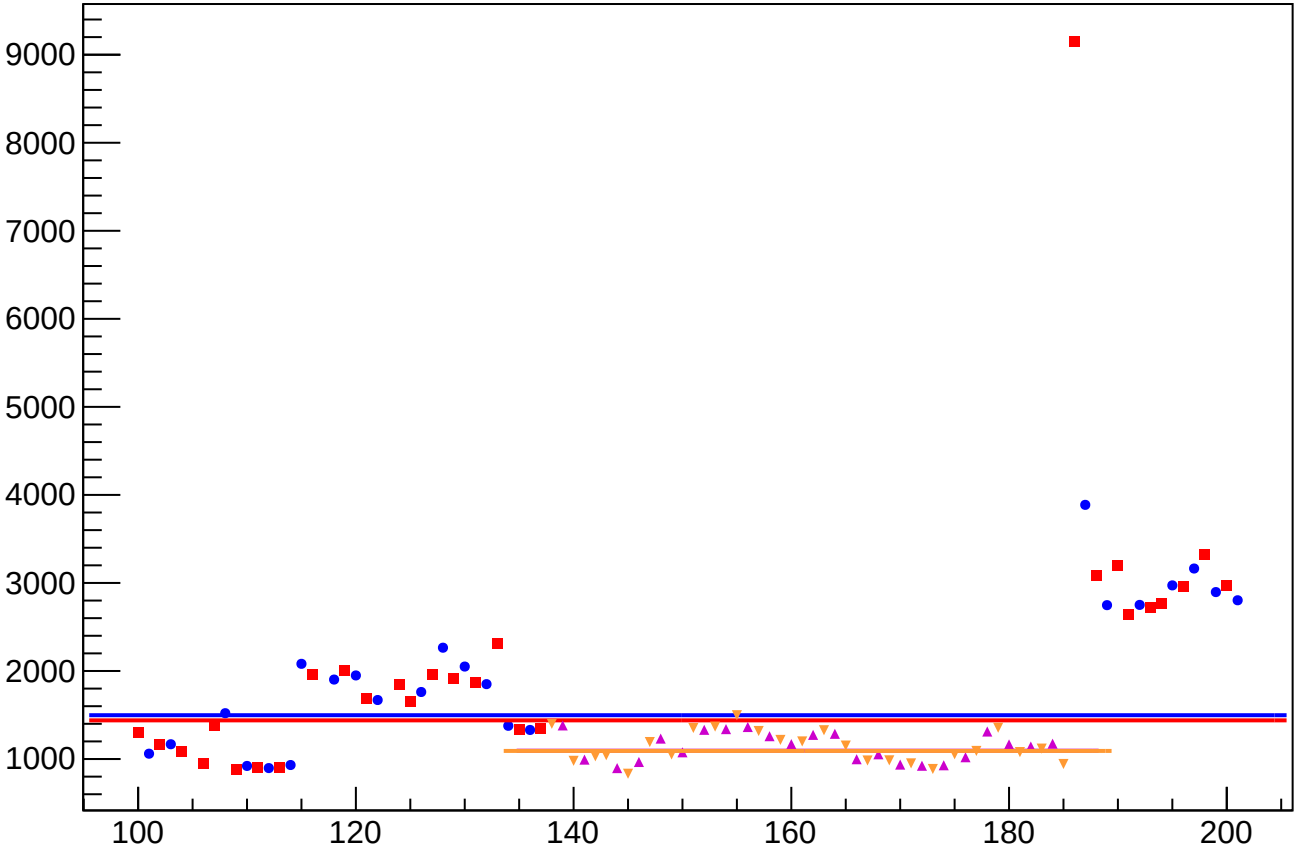
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1071.916+/-221.656 χ^2/NDF: 88.8/47

All: -768.213+/-157.182 χ^2/NDF: 141.5/98

- sign -461.018+/-222.927 χ^2/NDF: 49.0/50

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: 1439.102+/-0.310 χ^2/NDF: 5474763.8/27

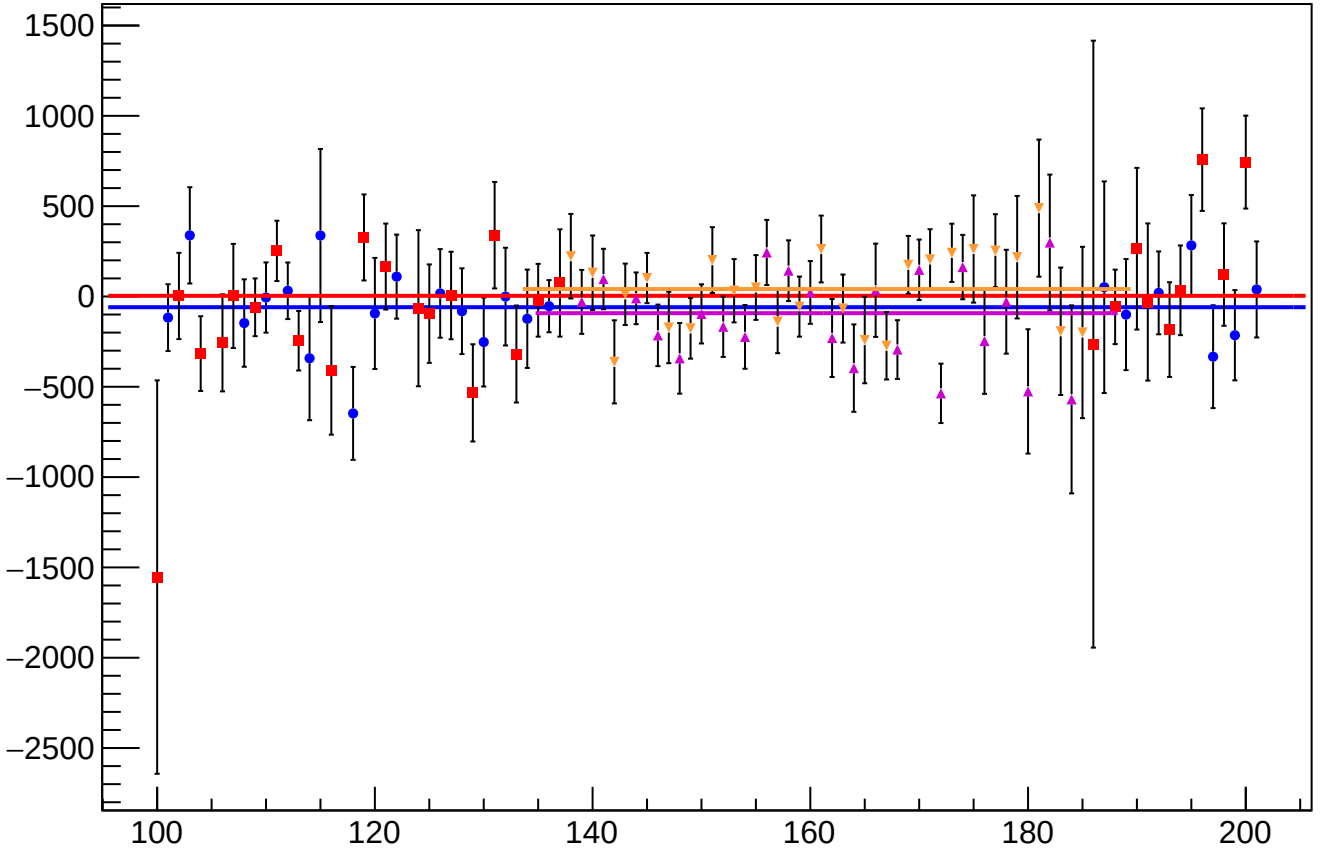
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1183.206+/-0.157 χ^2/NDF: 6004403.6/47

All: 1183.420+/-0.111 χ^2/NDF: 13128779.3/9

- sign 1183.636+/-0.158 χ^2/NDF: 7124371.9/50

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: 3.695+/-47.750 χ^2/NDF: 37.1/27

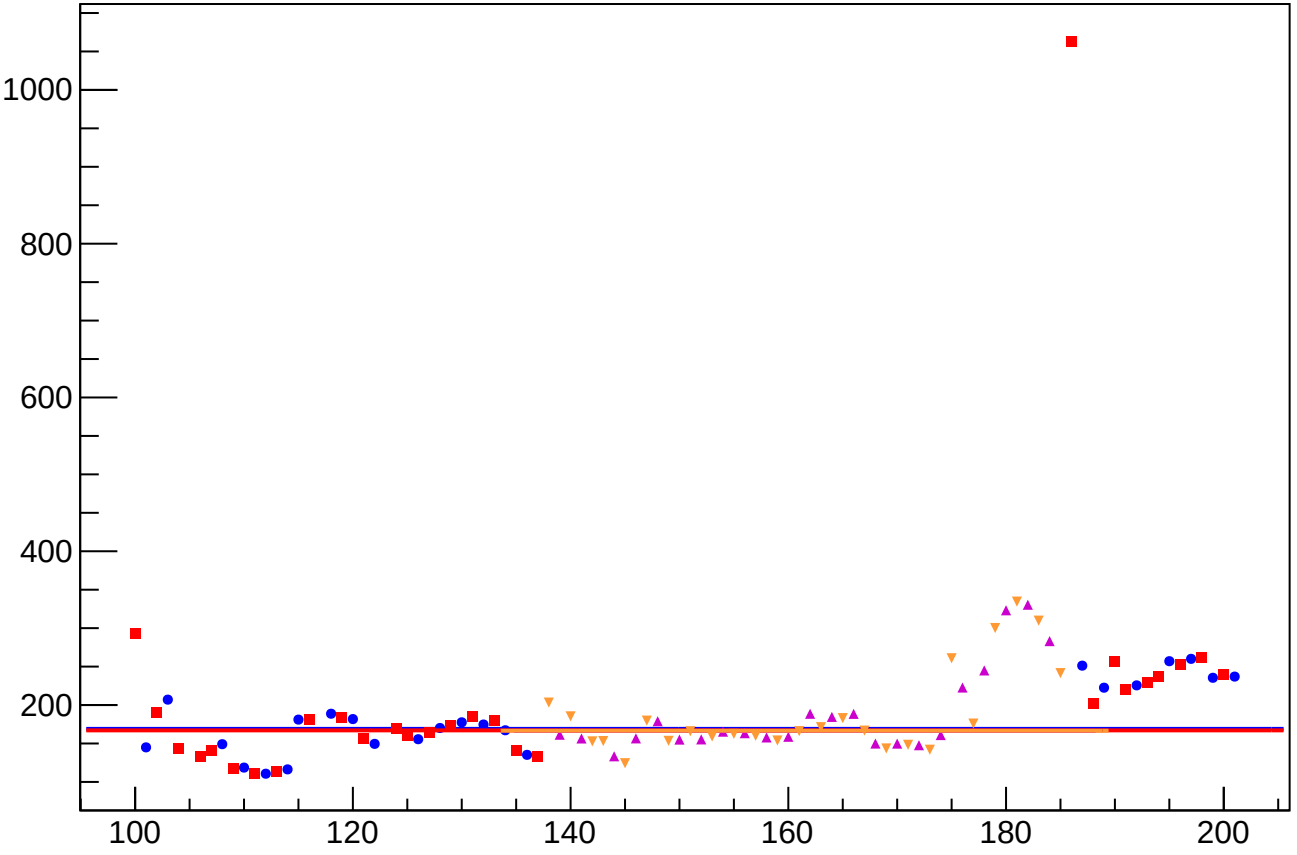
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 2.916+/-30.859 χ^2/NDF: 38.8/47

All: -24.988+/-21.777 χ^2/NDF: 109.4/98

- sign -52.673+/-30.737 χ^2/NDF: 69.0/50

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

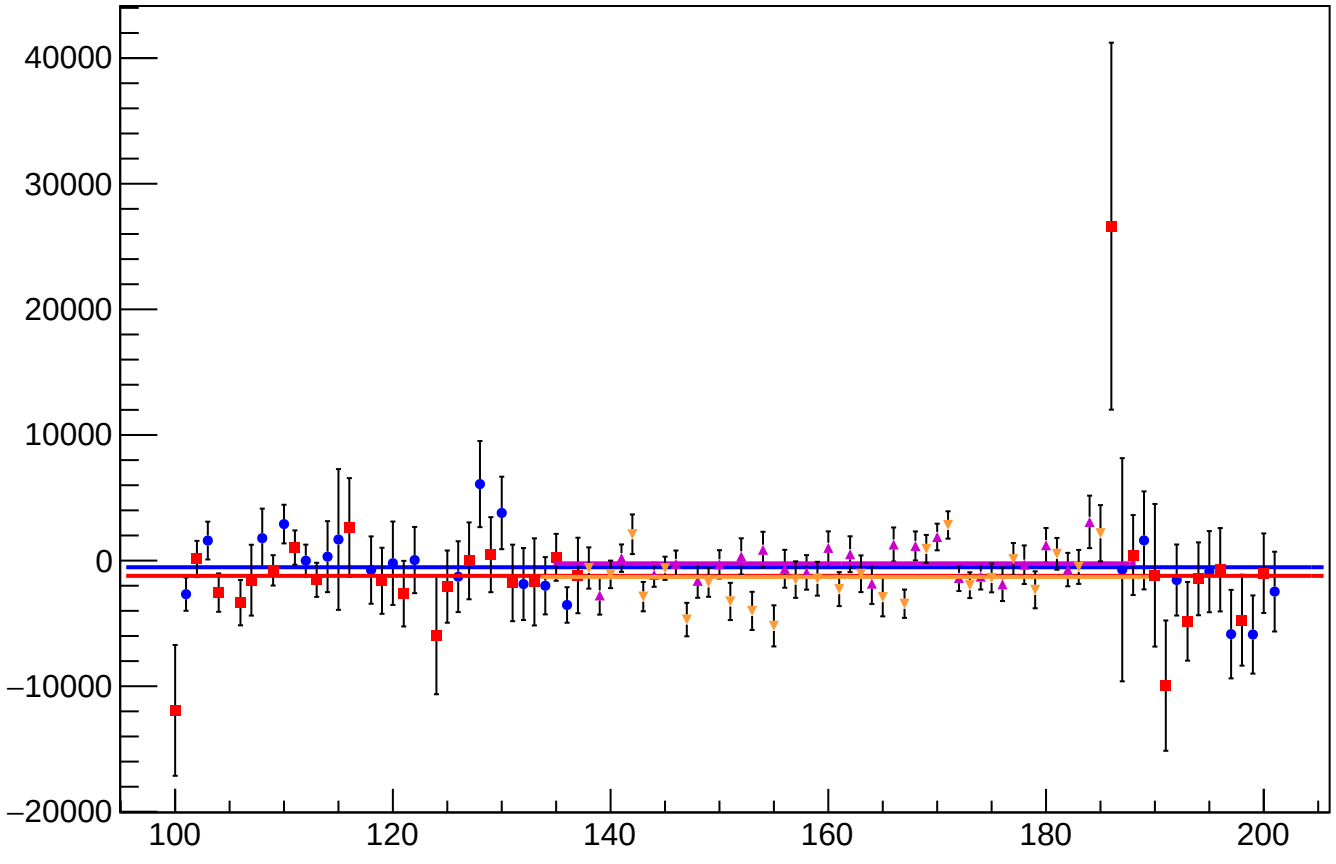
Right Out: 167.076+/-0.034 χ^2/NDF: 2409793.3/27

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 167.503+/-0.022 χ^2/NDF: 3317492.8/47

All: 167.063+/-0.015 χ^2/NDF: 7120866.6/98

- sign 166.626+/-0.022 χ^2/NDF: 3802562.8/50



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: -1215.119+/-441.407 χ^2/NDF: 22.8/27

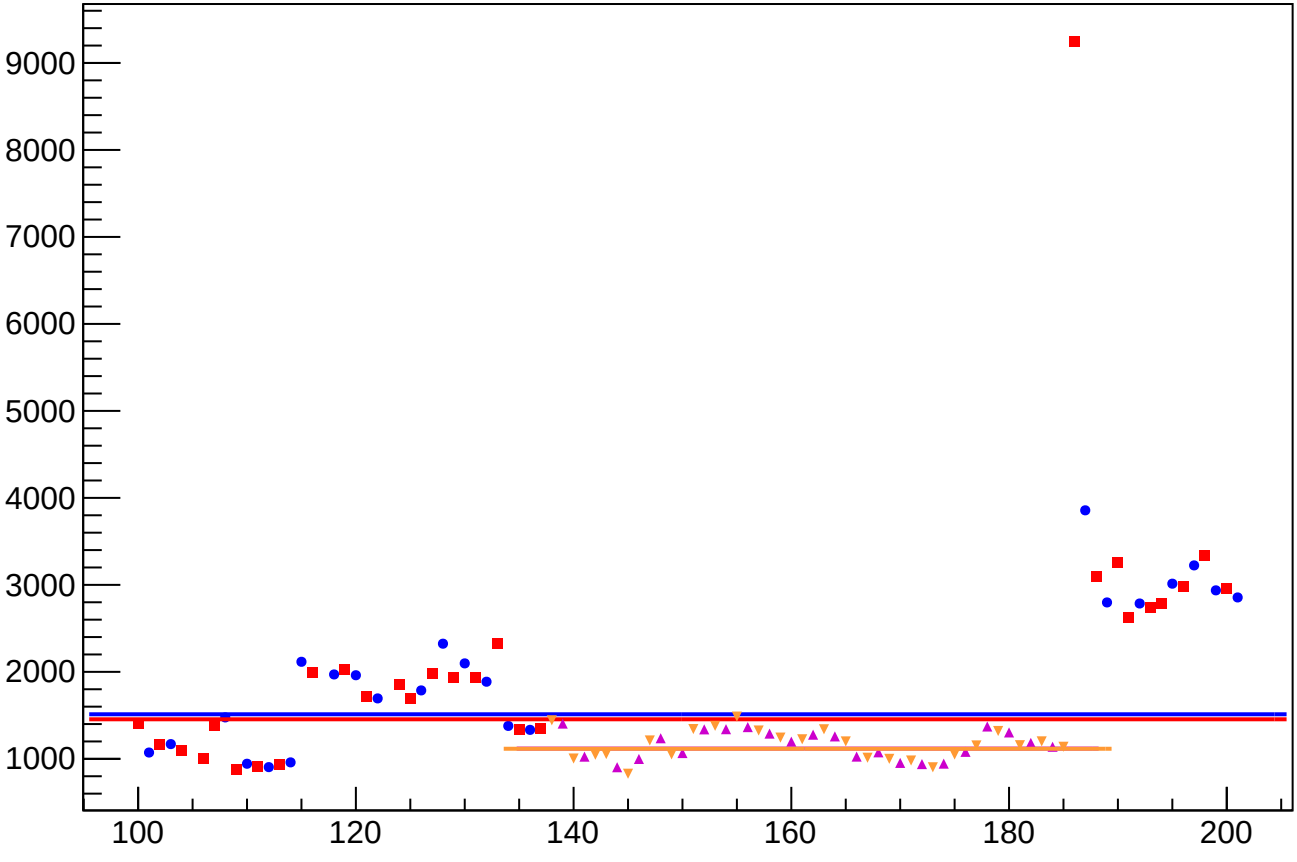
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1122.332+/-225.706 χ^2/NDF: 85.4/47

All: -803.111+/-159.989 χ^2/NDF: 138.2/98

- sign -480.748+/-226.814 χ^2/NDF: 48.8/50

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: 1454.689+/-0.312 χ^2/NDF: 5447997.2/27

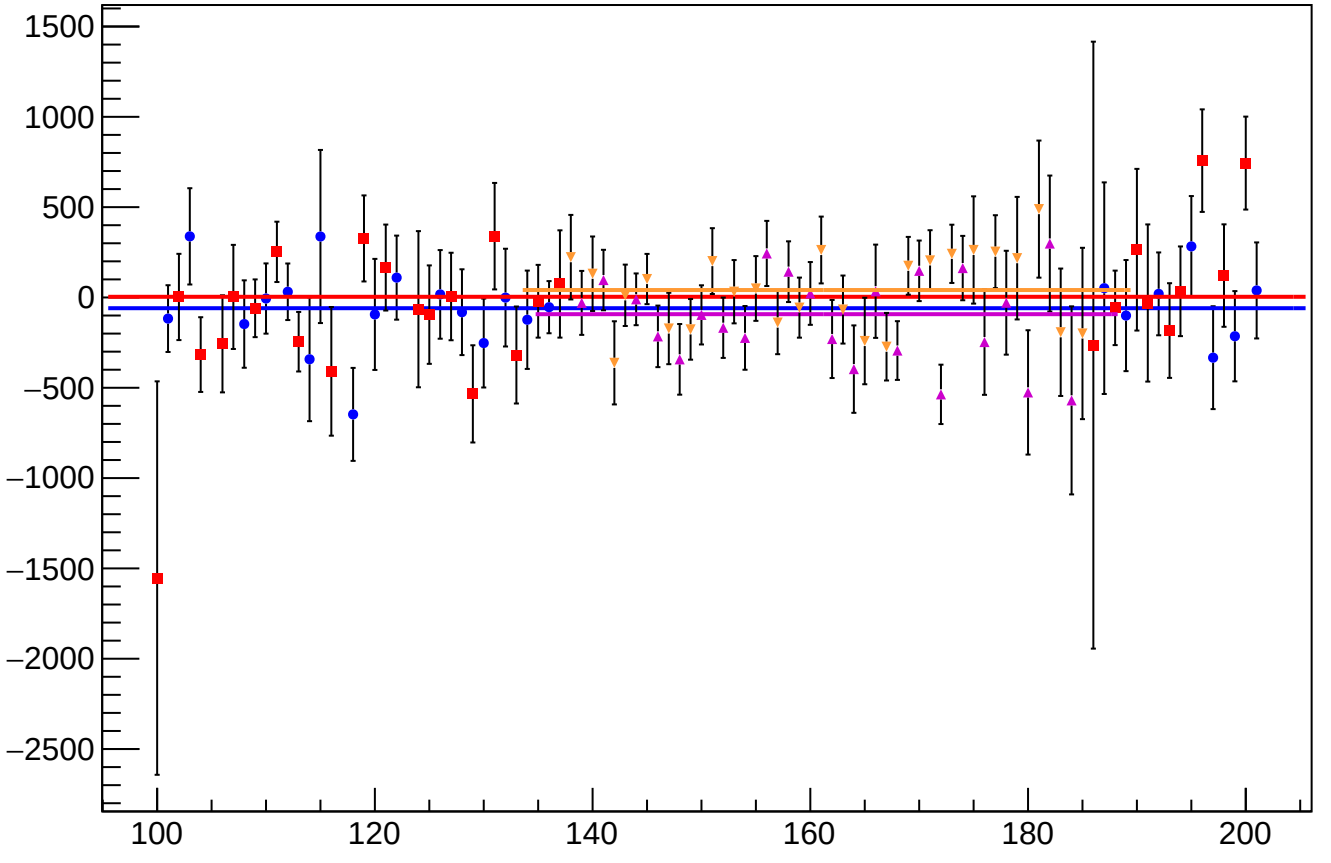
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1206.588+/-0.160 χ^2/NDF: 5937626.3/47

All: 1206.680+/-0.113 χ^2/NDF: 12972251.2/9

- sign 1206.774+/-0.160 χ^2/NDF: 7034624.2/50

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: 3.696+/-47.750 χ^2/NDF: 37.1/27

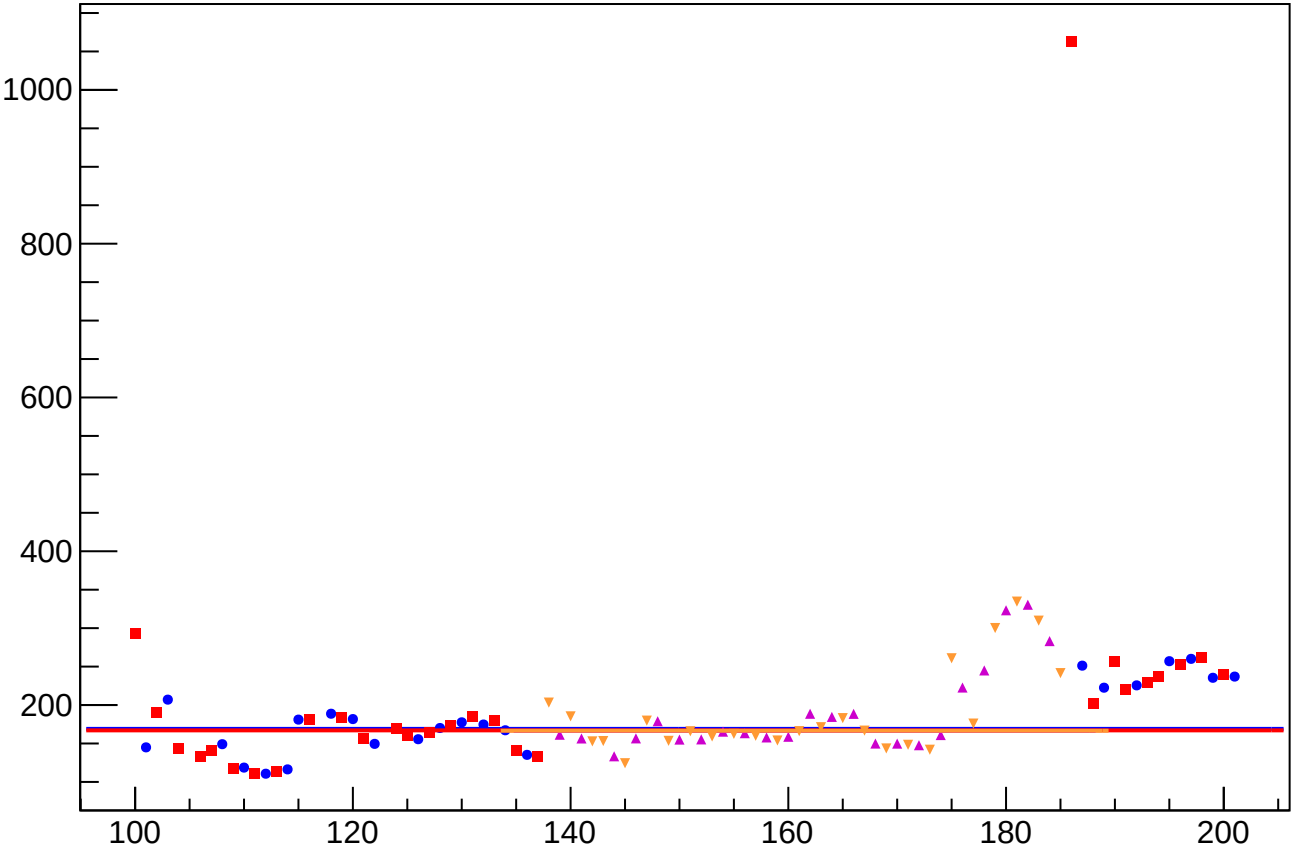
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 2.919+/-30.859 χ^2/NDF: 38.8/47

All: -24.987+/-21.777 χ^2/NDF: 109.4/98

- sign -52.673+/-30.737 χ^2/NDF: 69.0/50

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

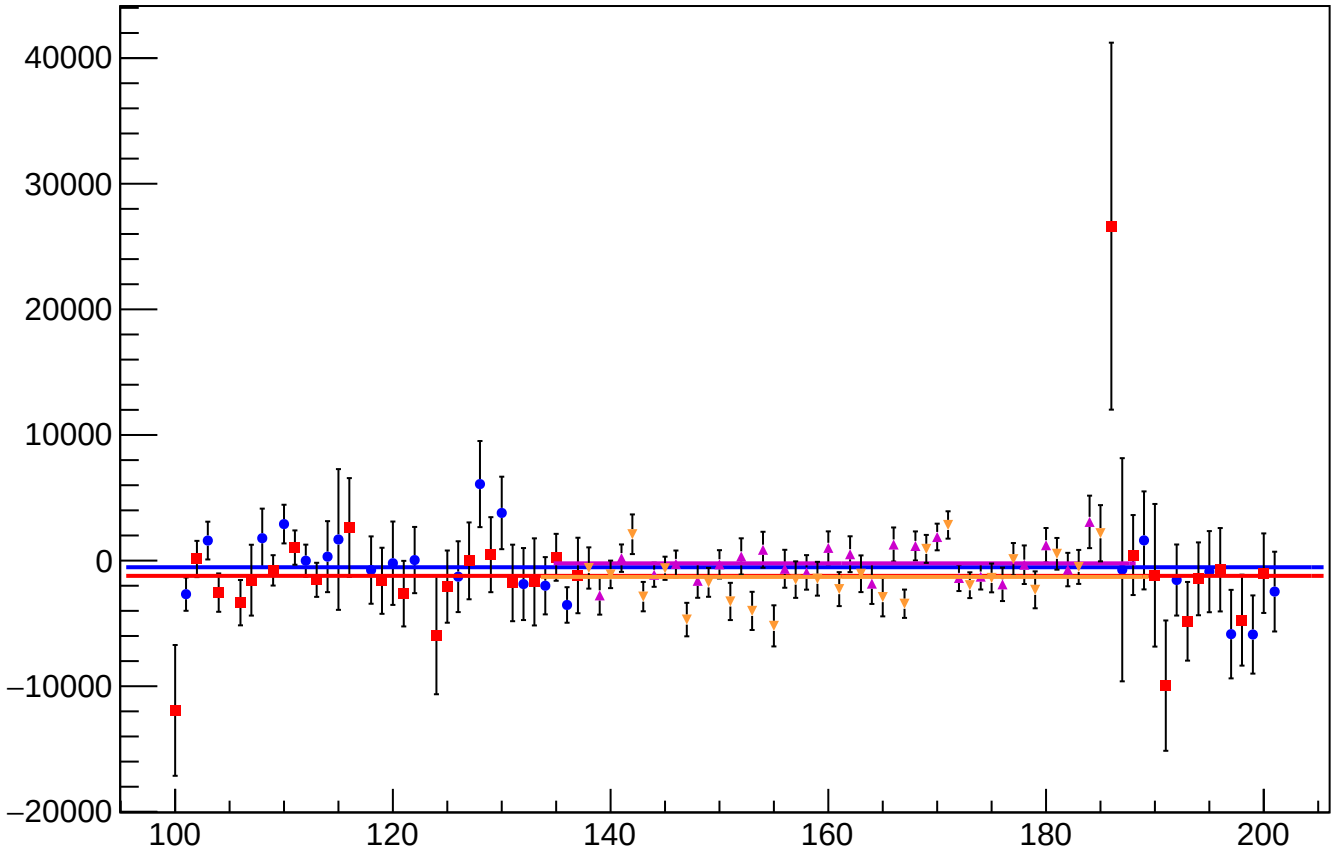
Right Out: 167.076+/-0.034 χ^2/NDF: 2409795.3/27

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 167.504+/-0.022 χ^2/NDF: 3317477.4/47

All: 167.063+/-0.015 χ^2/NDF: 7120832.7/98

- sign 166.627+/-0.022 χ^2/NDF: 3802544.3/50



Right In: -527.990+/-472.201 χ^2/NDF: 28.3/22

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

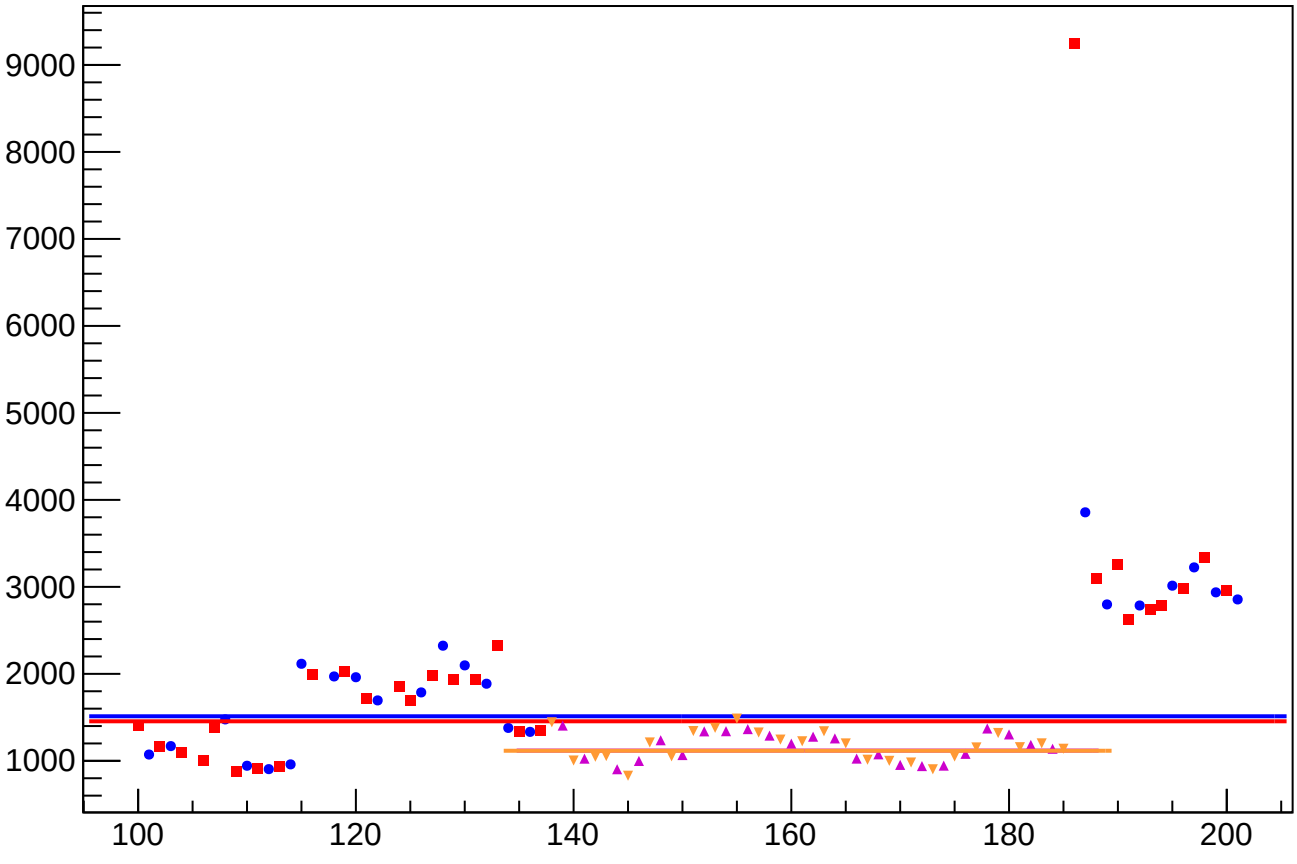
Right Out: -1215.118+/-441.407 χ^2/NDF: 22.8/27

Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1122.329+/-225.706 χ^2/NDF: 85.4/47

All: -803.109+/-159.988 χ^2/NDF: 138.2/98

- sign -480.747+/-226.814 χ^2/NDF: 48.8/50


asym_sam_48_avg_eigen_dit_correction_rms vs Slug
9000
8000
7000
6000
5000
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3000
2000
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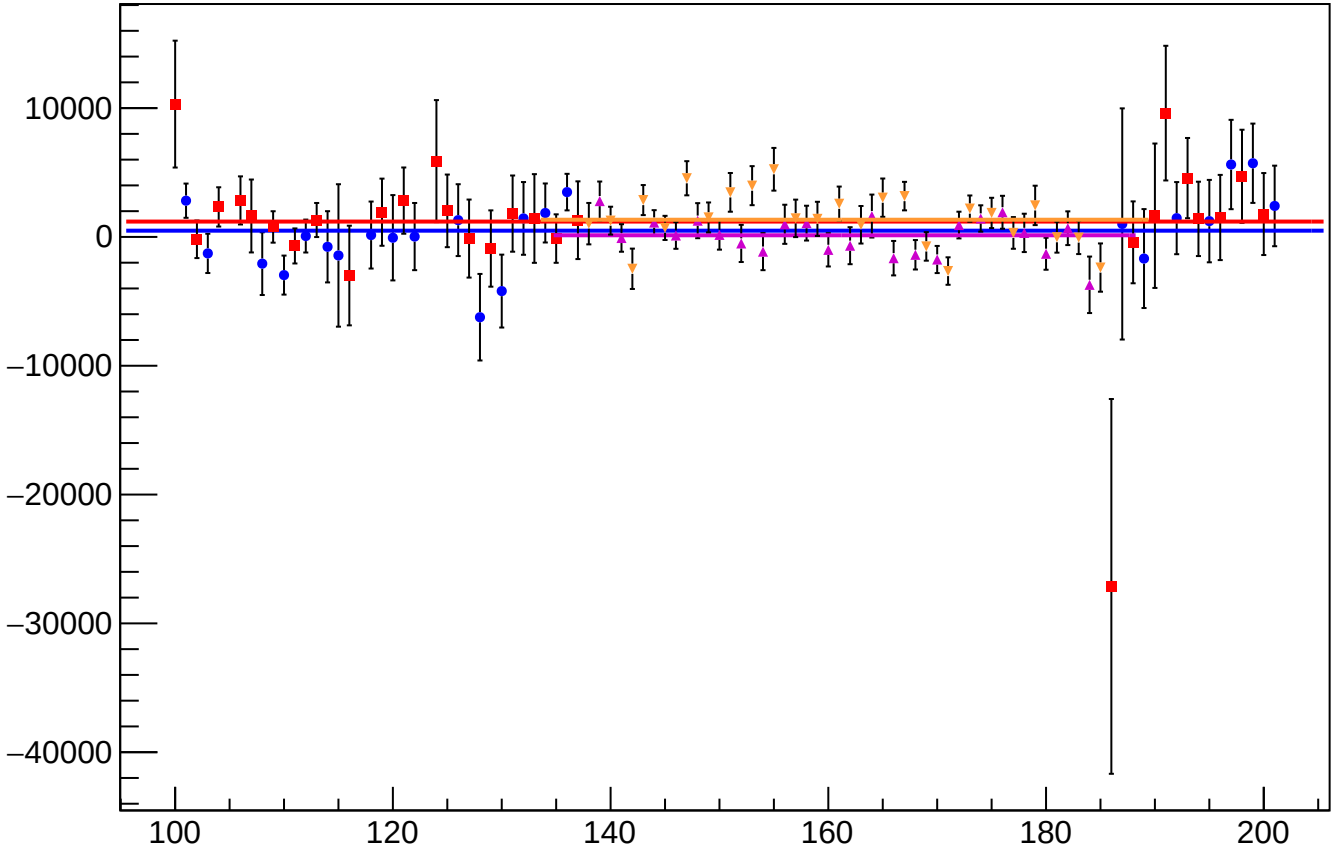
100
120
140
160
180
200
Right In: 1512.379+/-0.334 χ²/NDF: 3983019.5/22
Left Out: 1116.032+/-0.182 χ²/NDF:867491.2/24
Right Out: 1454.688+/-0.312 χ²/NDF: 5447996.0/27
Left In: 1117.829+/-0.187 χ²/NDF:729386.0/22
+ sign 1206.586+/-0.160 χ²/NDF: 5937634.9/47
All: 1206.678+/-0.113 χ²/NDF: 12972261.5/9
- sign 1206.772+/-0.160 χ²/NDF: 7034625.9/50

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: 1192.555+/-440.628 χ^2/NDF: 20.5/27

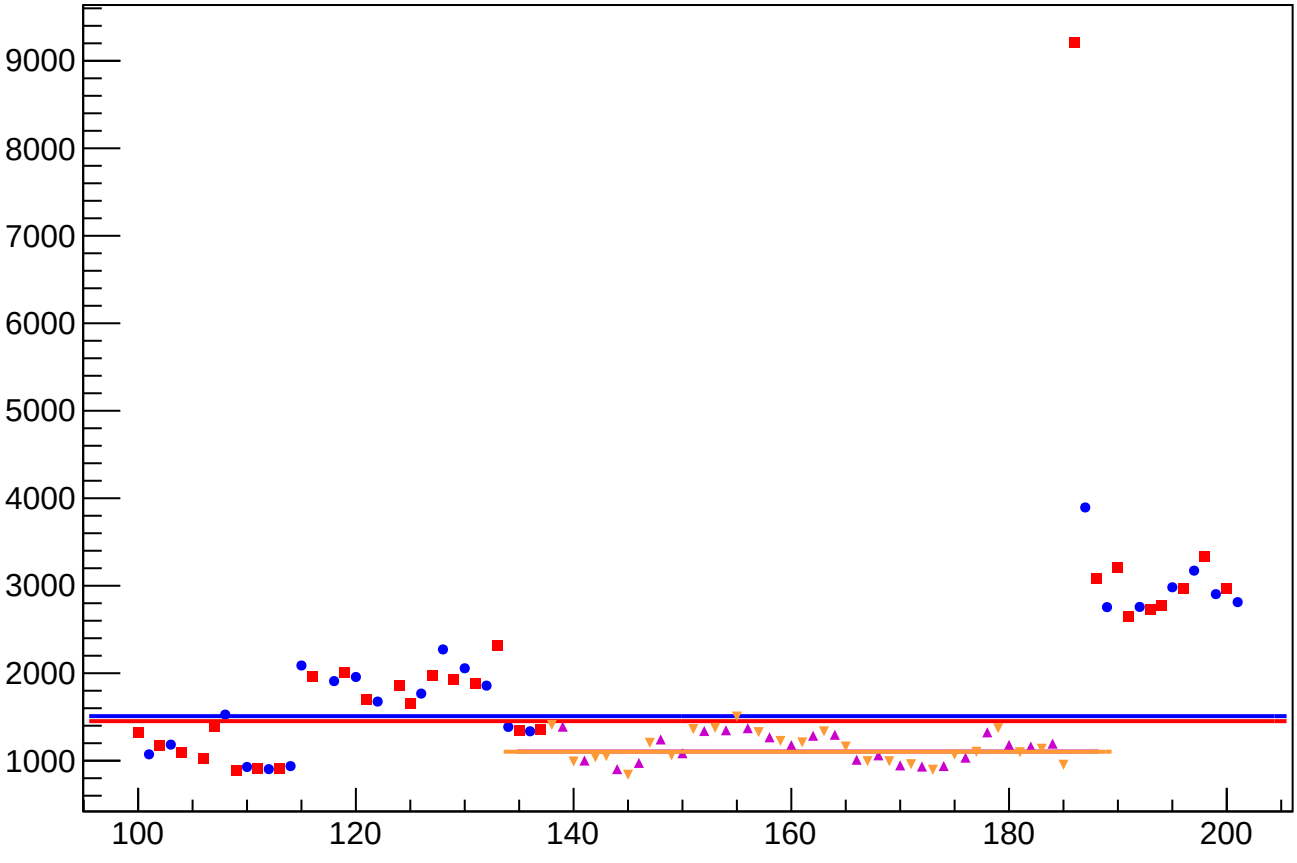
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1142.899+/-223.647 χ^2/NDF: 87.1/47

All: 776.099+/-158.557 χ^2/NDF: 141.3/98

- sign 405.422+/-224.826 χ^2/NDF: 48.8/50

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

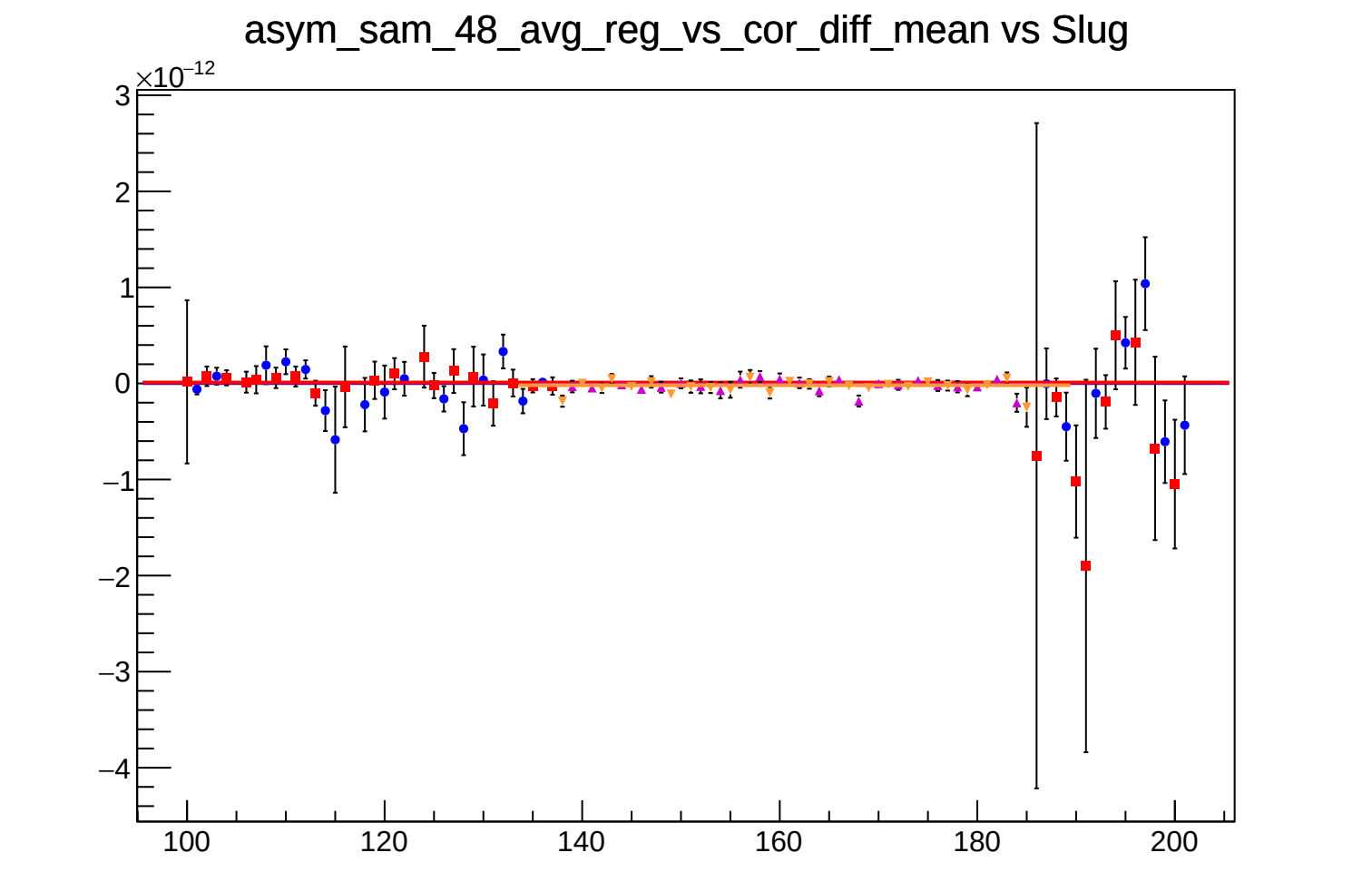
Right Out: 1452.298+/-0.312 χ^2/NDF: 5405771.6/27

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1194.545+/-0.158 χ^2/NDF: 5939382.2/47

All: 1195.052+/-0.112 χ^2/NDF: 12986431.4/9

- sign 1195.565+/-0.159 χ^2/NDF: 7047028.5/50


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
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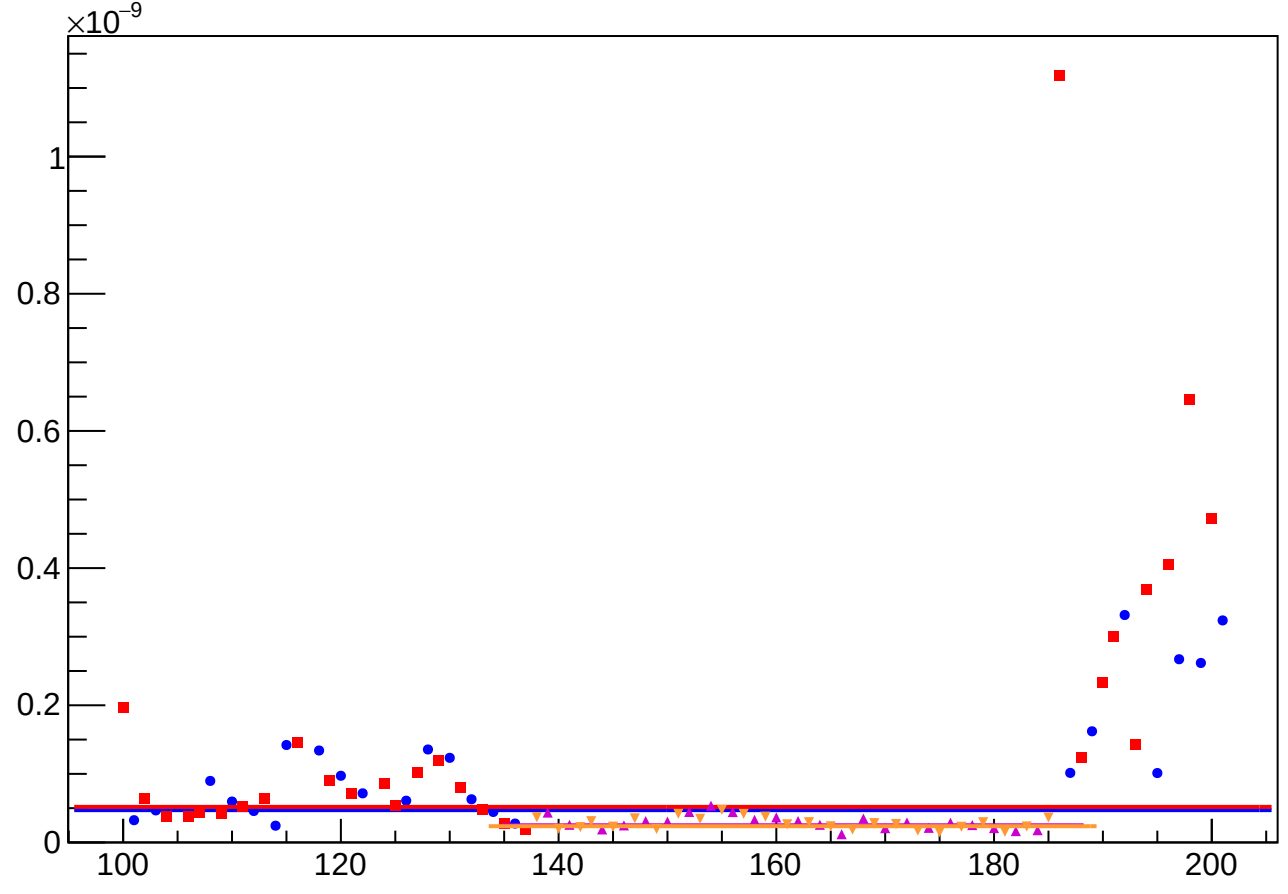
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 33.7/22
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 14.3/27
Left In: -0.000+/-0.000 χ²/NDF:27.1/22
+ sign -0.000+/-0.000 χ²/NDF: 60.8/47
All: -0.000+/-0.000 χ²/NDF: 103.0/98
- sign -0.000+/-0.000 χ²/NDF: 41.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 3991666.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

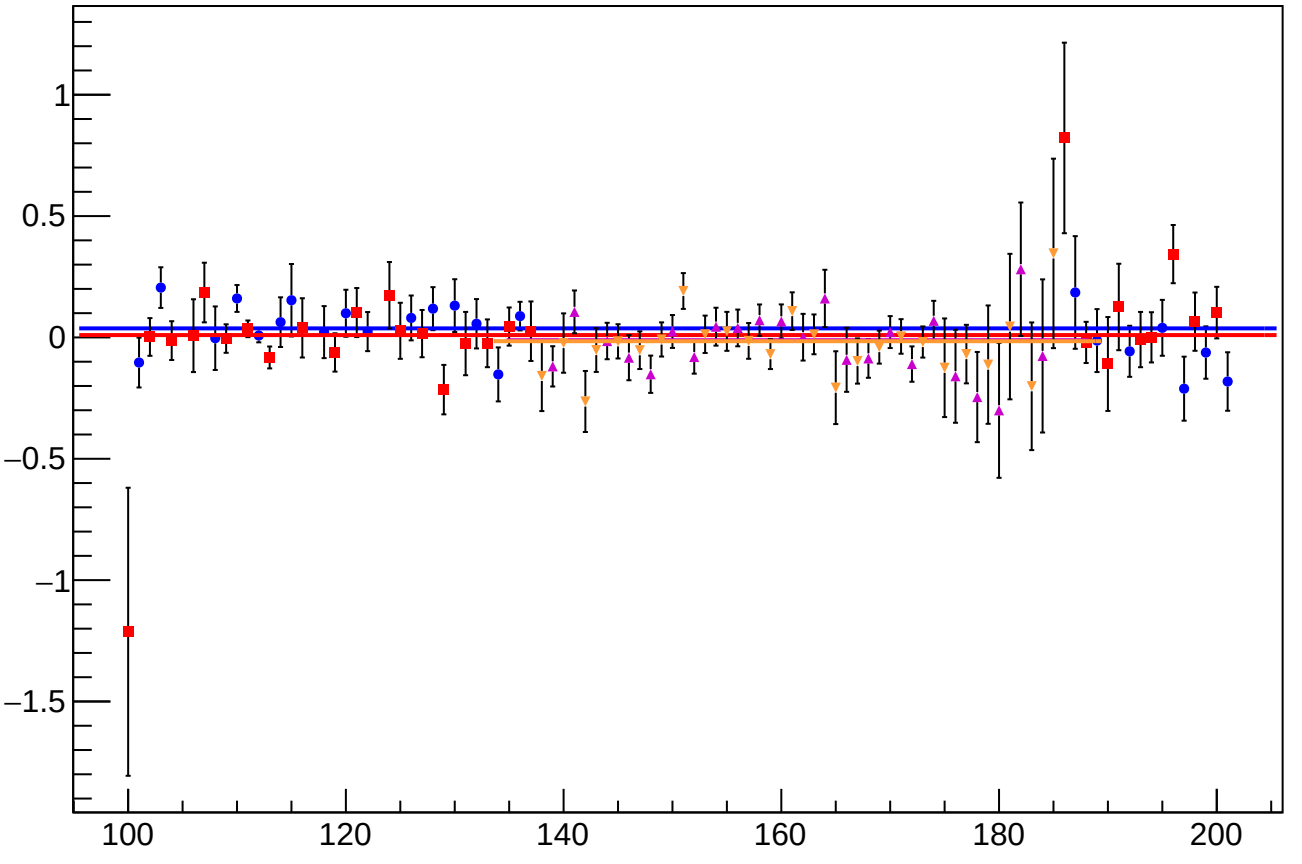
Right Out: 0.000+/-0.000 χ^2/NDF: 4873389.1/27

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: 14891128.6/98

- sign 0.000+/-0.000 χ^2/NDF: 8015077.5/50



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: 0.010+/-0.016 χ^2/NDF: 33.6/27

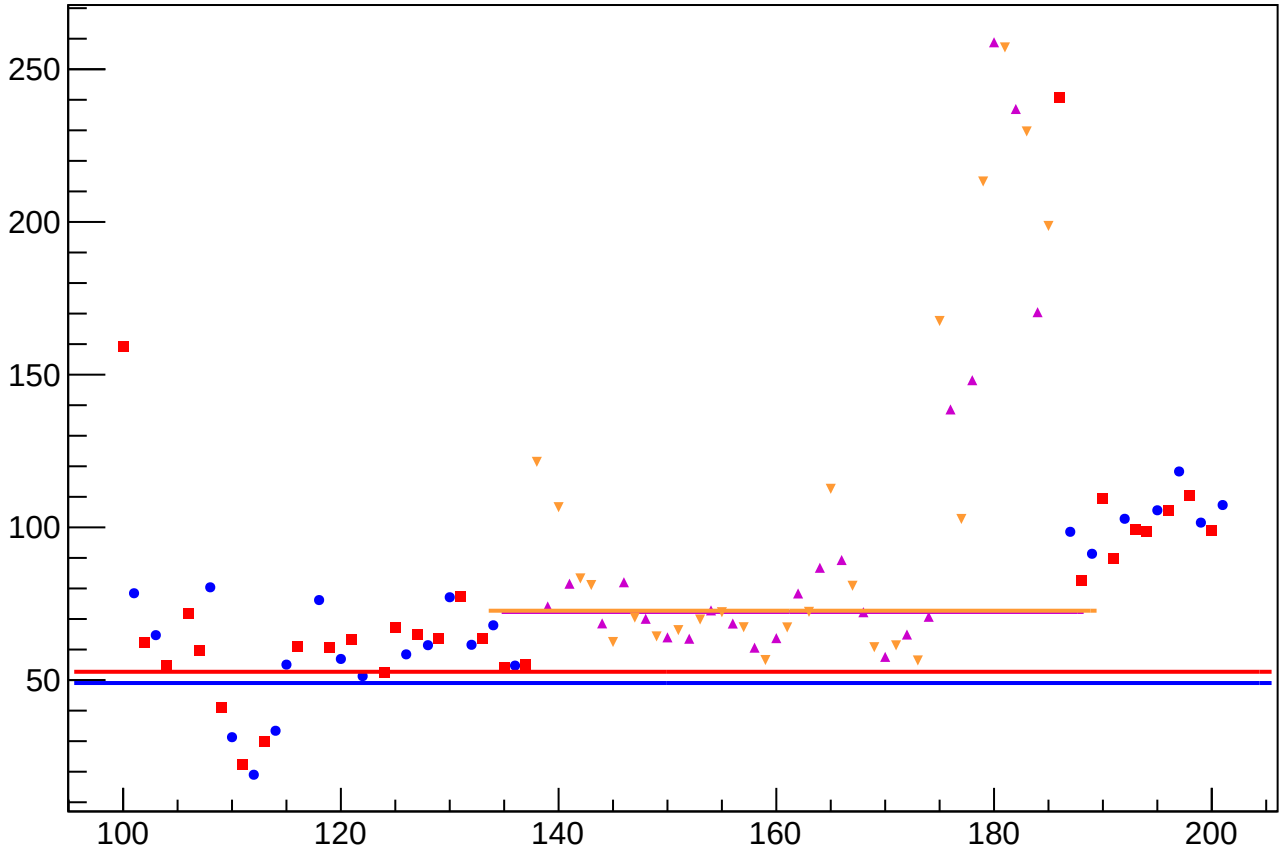
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.013+/-0.012 χ^2/NDF: 54.0/47

All: 0.007+/-0.009 χ^2/NDF: 112.2/98

- sign 0.000+/-0.012 χ^2/NDF: 57.6/50

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

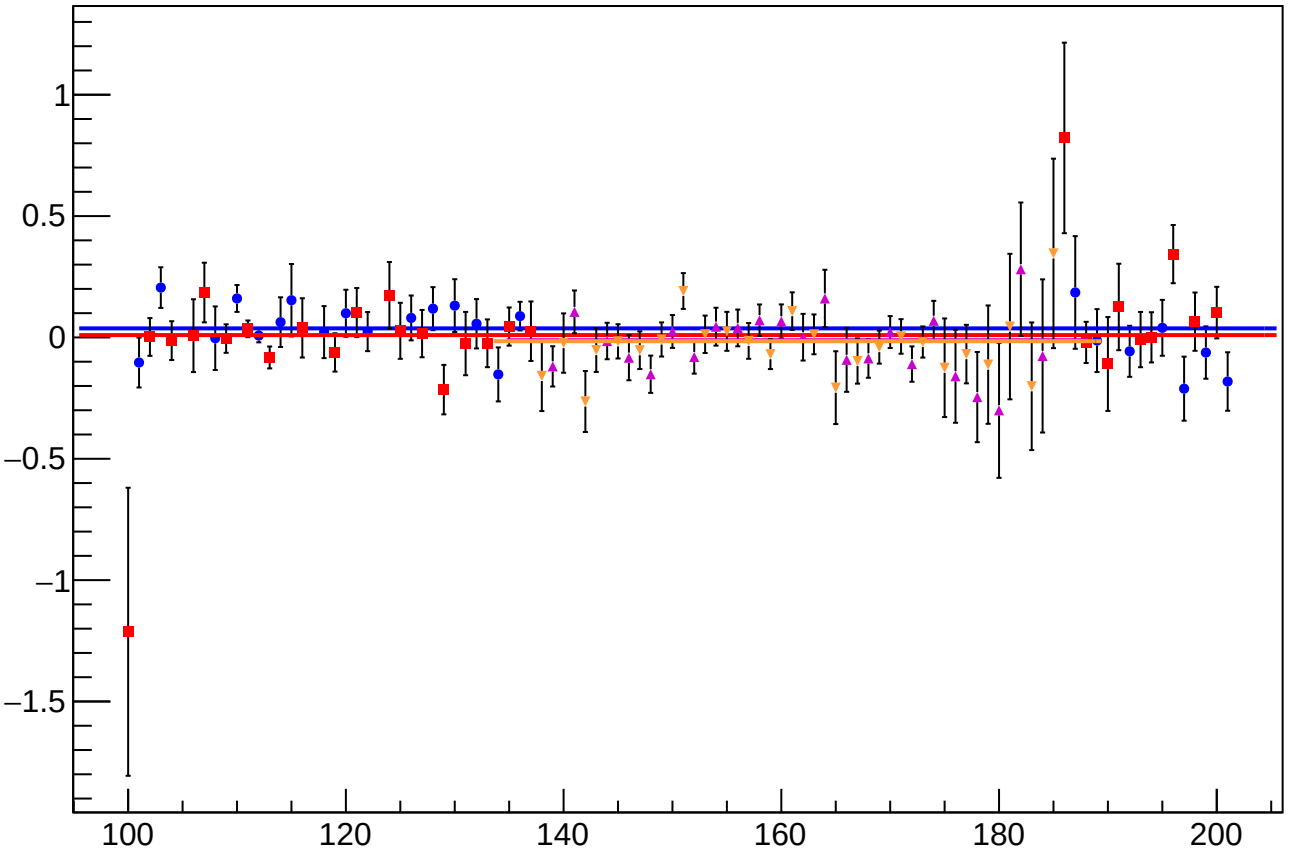
Right Out: 52.719+/-0.012 χ^2/NDF: 5465899.6/27

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

\+ sign 59.957+/-0.009 χ^2/NDF: 11959043.7/47

All: 60.713+/-0.006 χ^2/NDF: 21502816.3/98

\- sign 61.470+/-0.009 χ^2/NDF: 9528388.1/50



Right In: 0.037+/-0.017 χ^2/NDF: 27.7/22

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

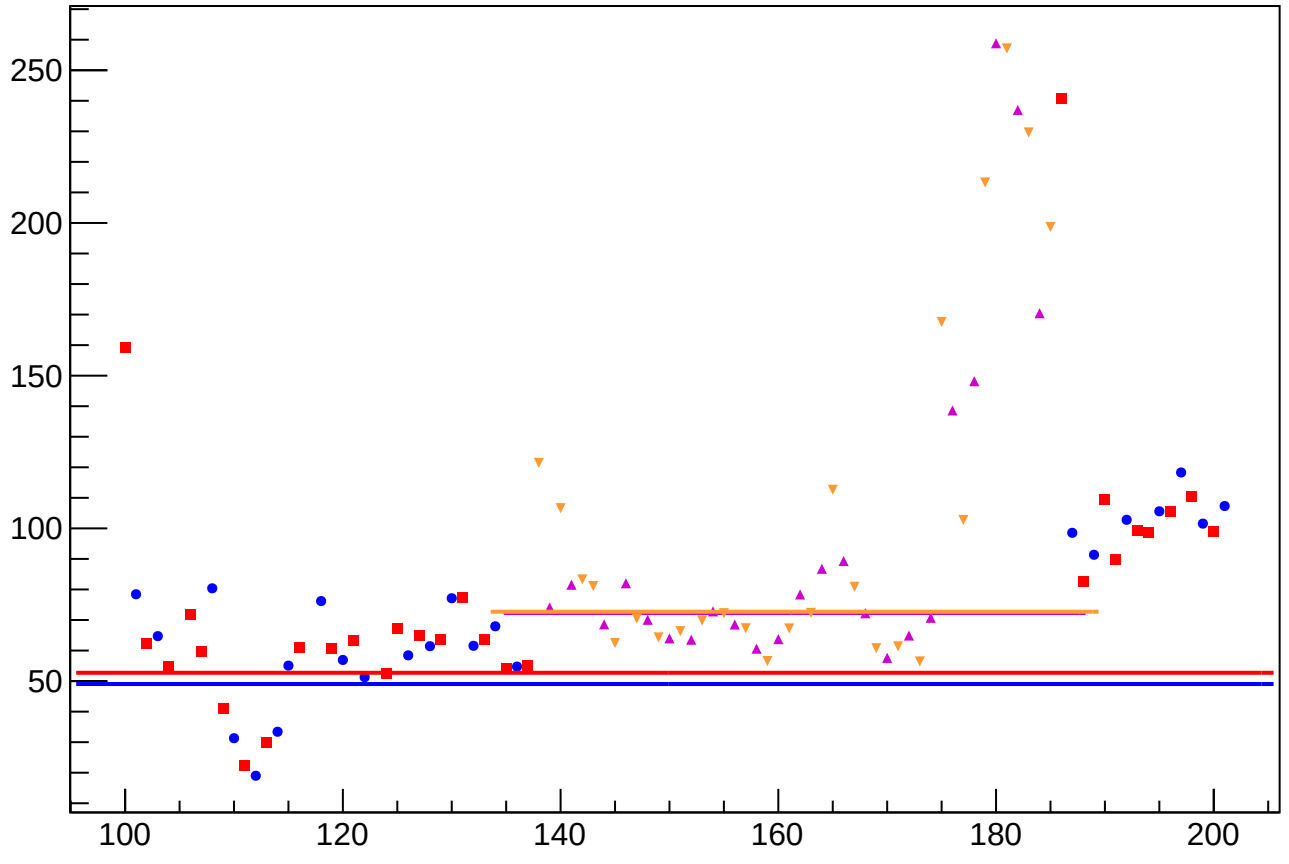
Right Out: 0.010+/-0.016 χ^2/NDF: 33.6/27

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.013+/-0.012 χ^2/NDF: 54.0/47

All: 0.007+/-0.009 χ^2/NDF: 112.2/98

- sign 0.000+/-0.012 χ^2/NDF: 57.6/50



Right In: 49.039+/-0.012 χ^2/NDF: 6125229.1/22

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

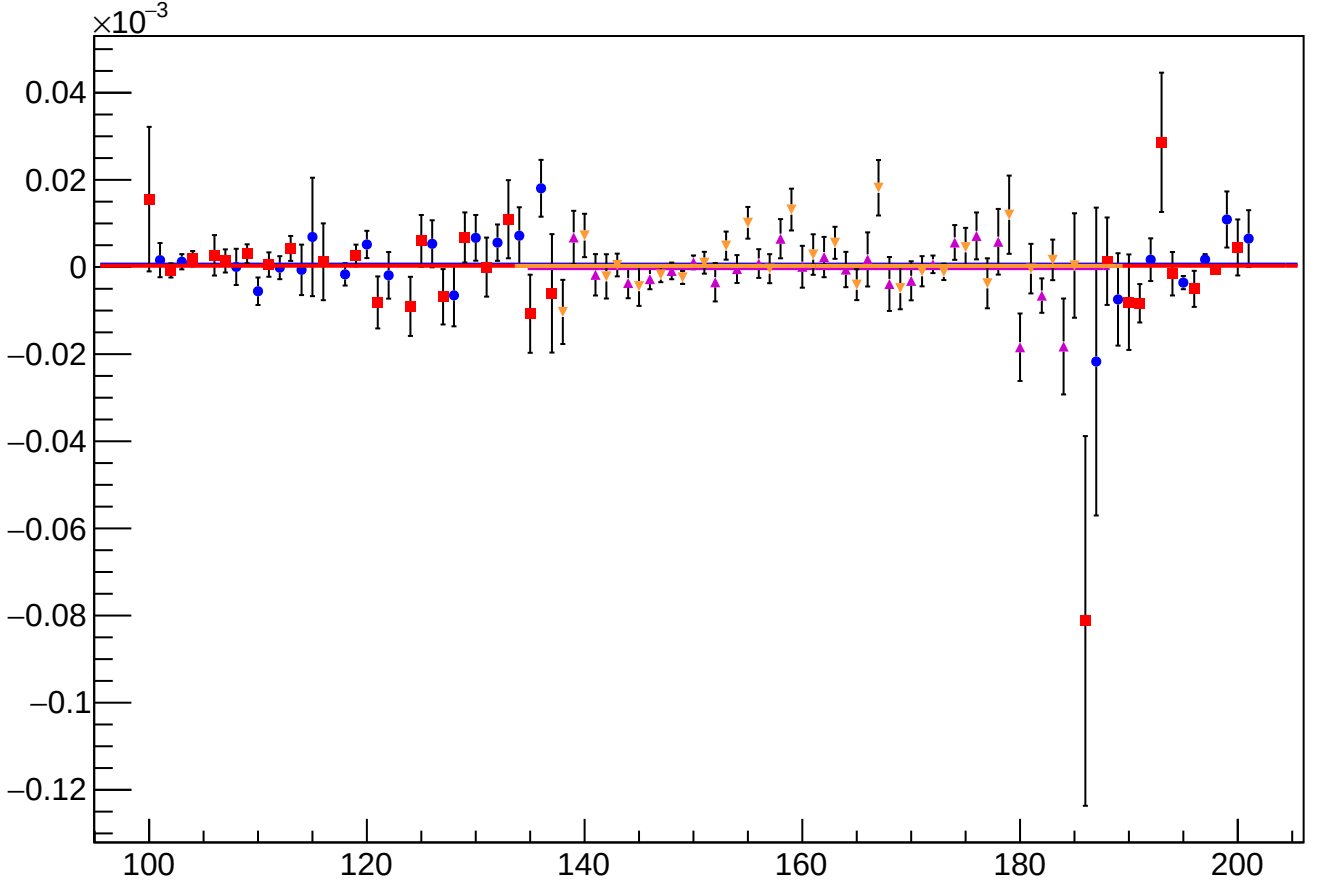
Right Out: 52.719+/-0.012 χ^2/NDF: 5465899.6/27

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 59.957+/-0.009 χ^2/NDF: 11959043.7/47

All: 60.713+/-0.006 χ^2/NDF: 21502816.3/98

- sign 61.470+/-0.009 χ^2/NDF: 9528388.1/50



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: 31.8/27

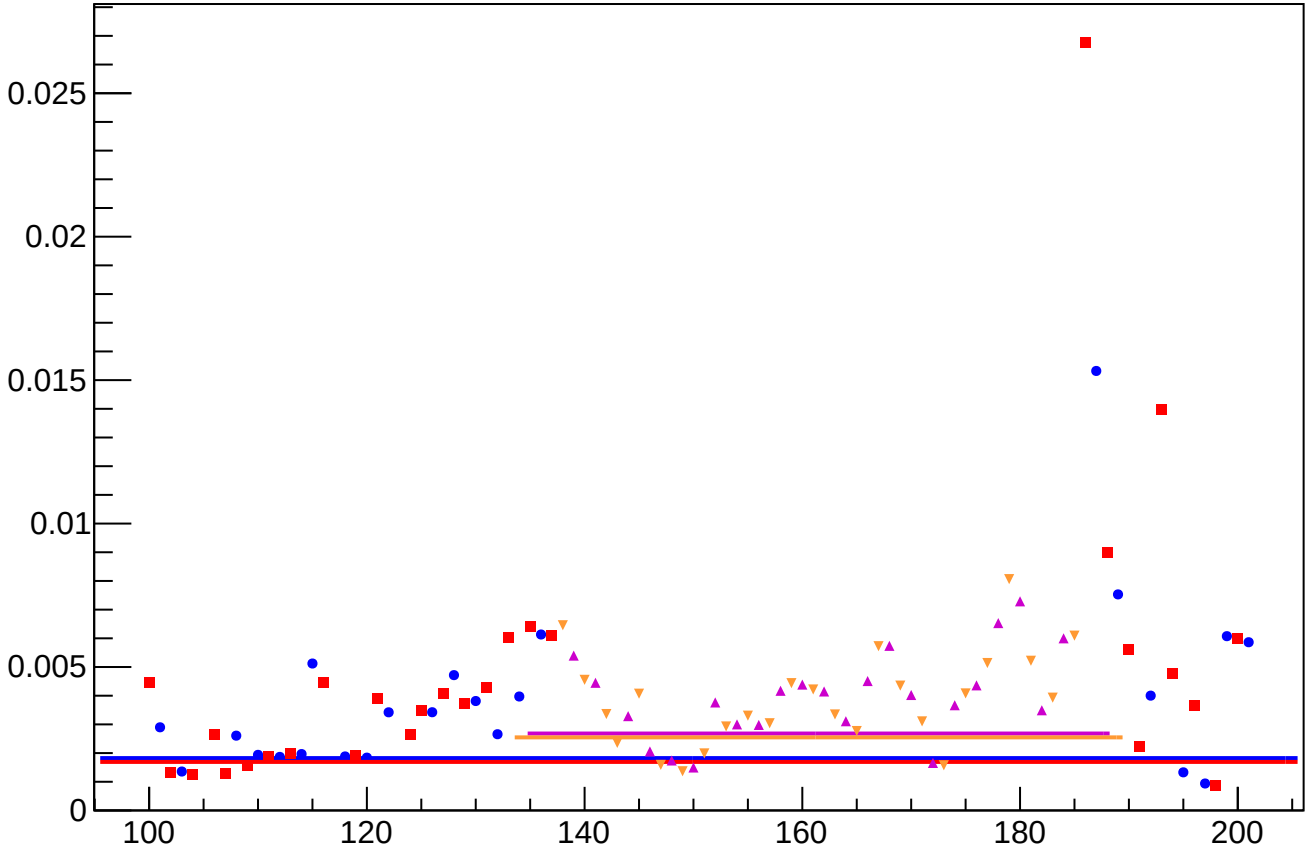
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.6/47

All: 0.000+/-0.000 χ^2/NDF: 133.1/98

- sign 0.000+/-0.000 χ^2/NDF: 56.2/50

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6780827.5/22

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

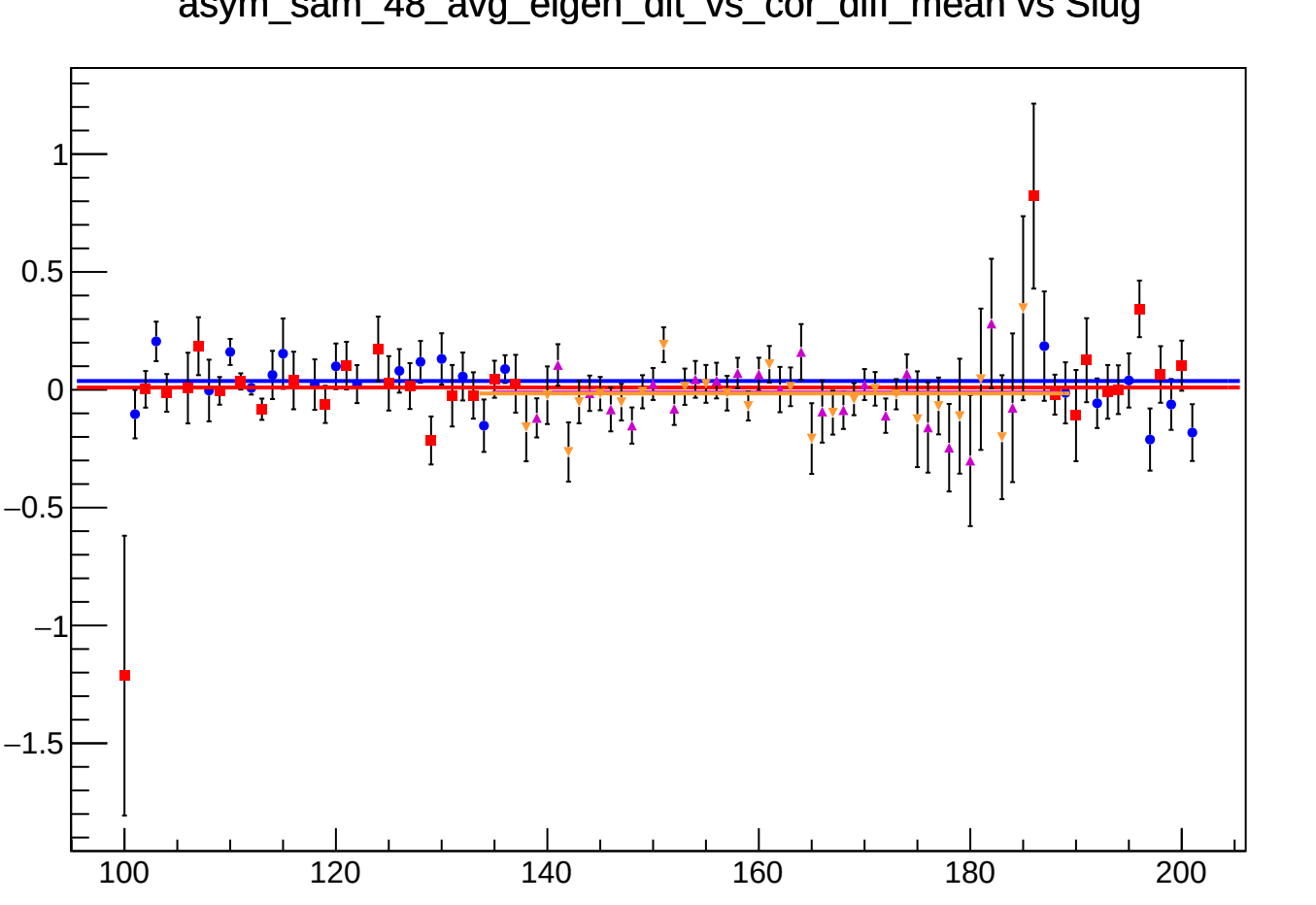
Right Out: 0.002+/-0.000 χ^2/NDF: 9864558.2/27

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: 34232336.2/98

- sign 0.002+/-0.000 χ^2/NDF: 18680890.3/50



Right In: 0.037+/-0.017 χ^2/NDF: 27.7/22

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

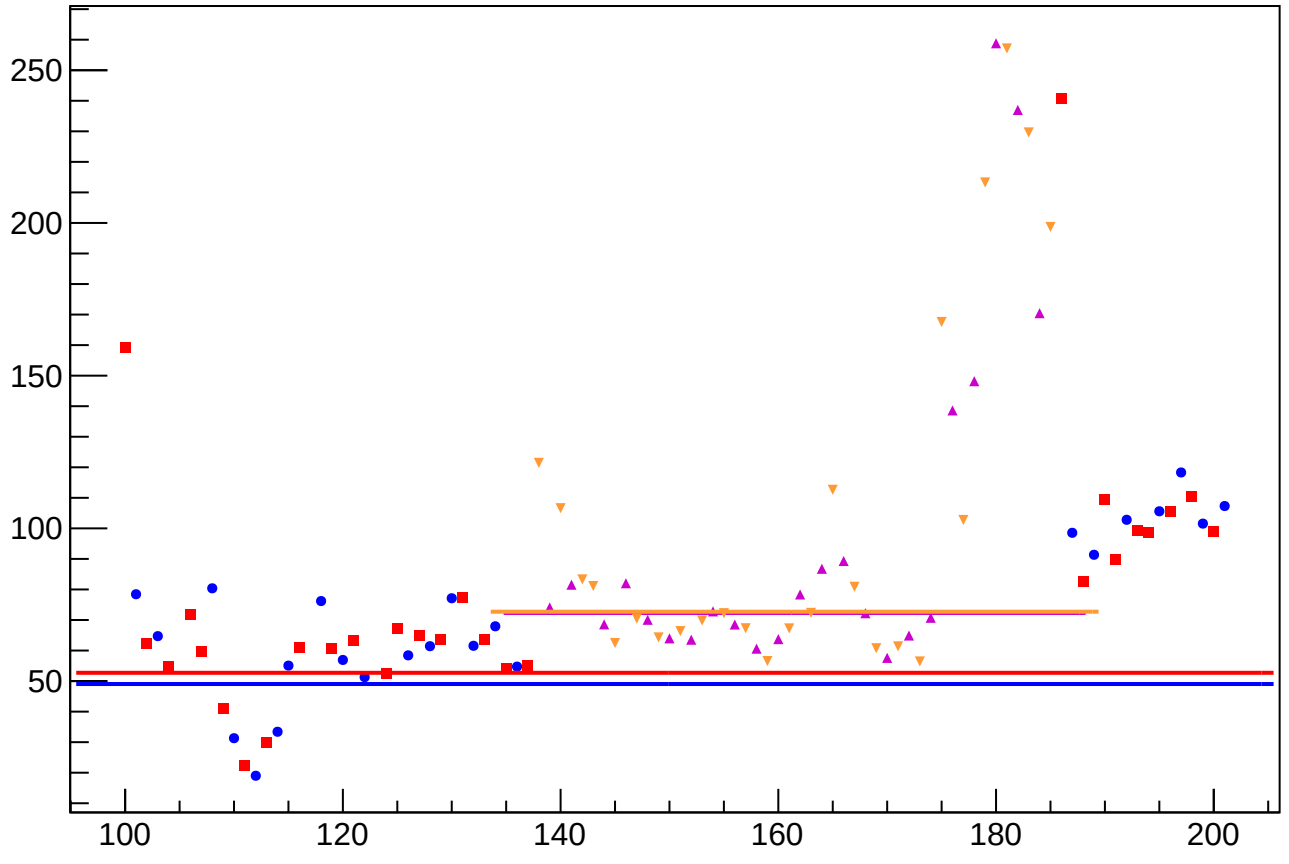
Right Out: 0.010+/-0.016 χ^2/NDF: 33.6/27

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.013+/-0.012 χ^2/NDF: 54.0/47

All: 0.007+/-0.009 χ^2/NDF: 112.2/98

- sign 0.000+/-0.012 χ^2/NDF: 57.6/50



Right In: 49.038+/-0.012 χ^2/NDF: 6125442.9/22

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

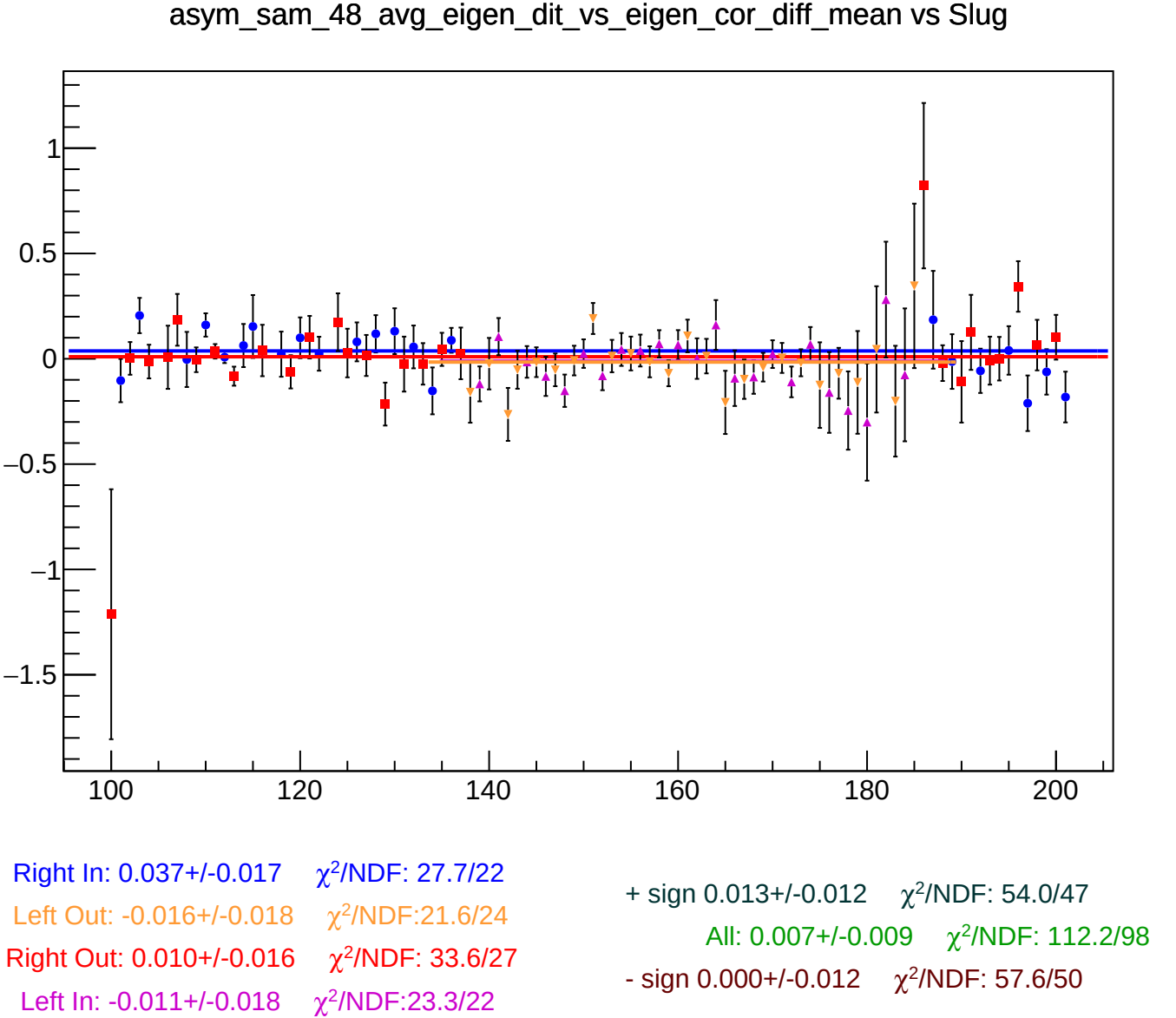
Right Out: 52.718+/-0.012 χ^2/NDF: 5466167.2/27

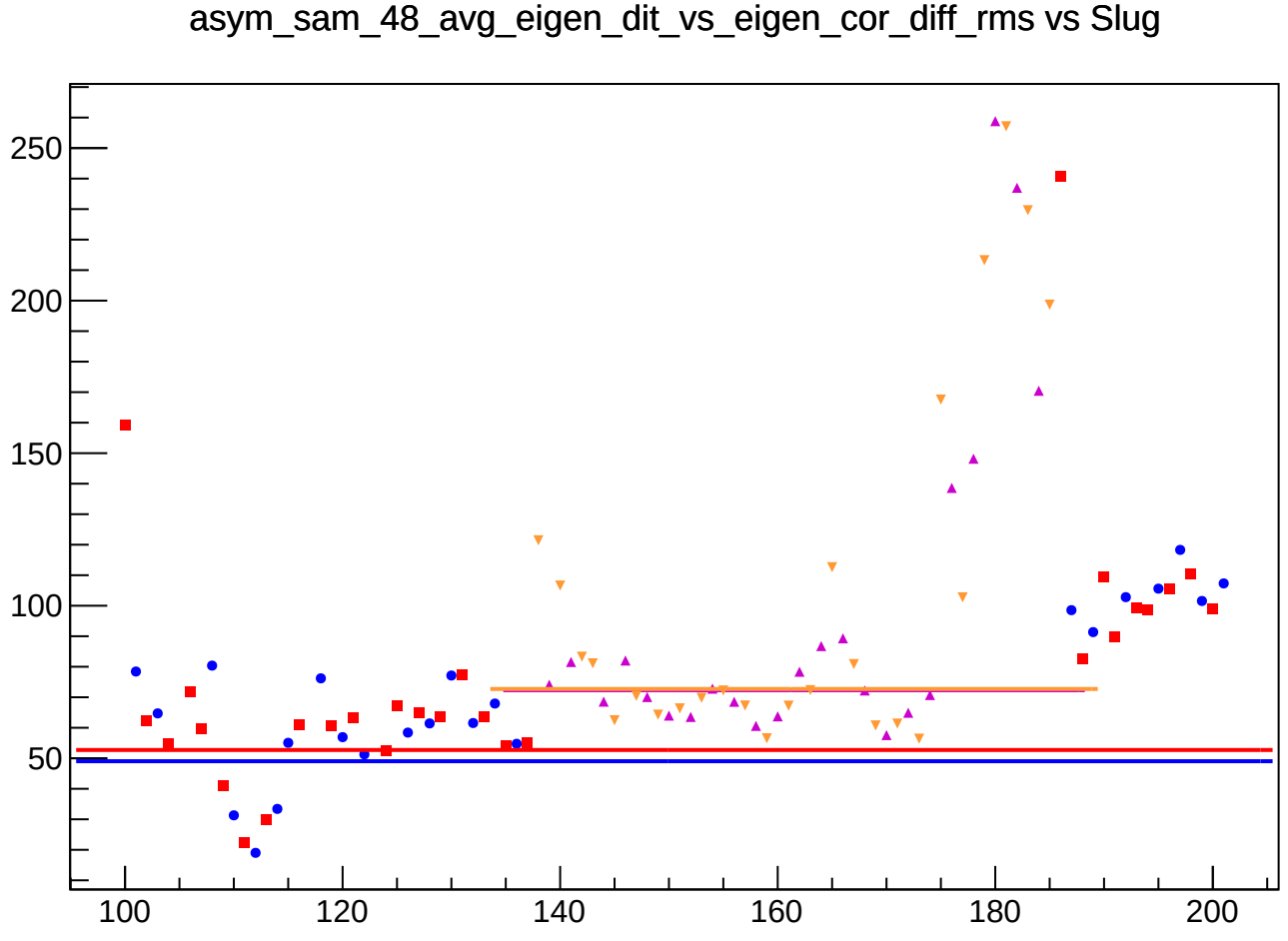
Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 59.956+/-0.009 χ^2/NDF: 11959466.1/47

All: 60.713+/-0.006 χ^2/NDF: 21503643.3/98

- sign 61.470+/-0.009 χ^2/NDF: 9528790.8/50


asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: 0.037+/-0.017 χ²/NDF: 27.7/22
Left Out: -0.016+/-0.018 χ²/NDF:21.6/24
Right Out: 0.010+/-0.016 χ²/NDF: 33.6/27
Left In: -0.011+/-0.018 χ²/NDF:23.3/22
+ sign 0.013+/-0.012 χ²/NDF: 54.0/47
All: 0.007+/-0.009 χ²/NDF: 112.2/98
- sign 0.000+/-0.012 χ²/NDF: 57.6/50



Right In: 49.038+/-0.012 χ^2/NDF: 6125442.9/22

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

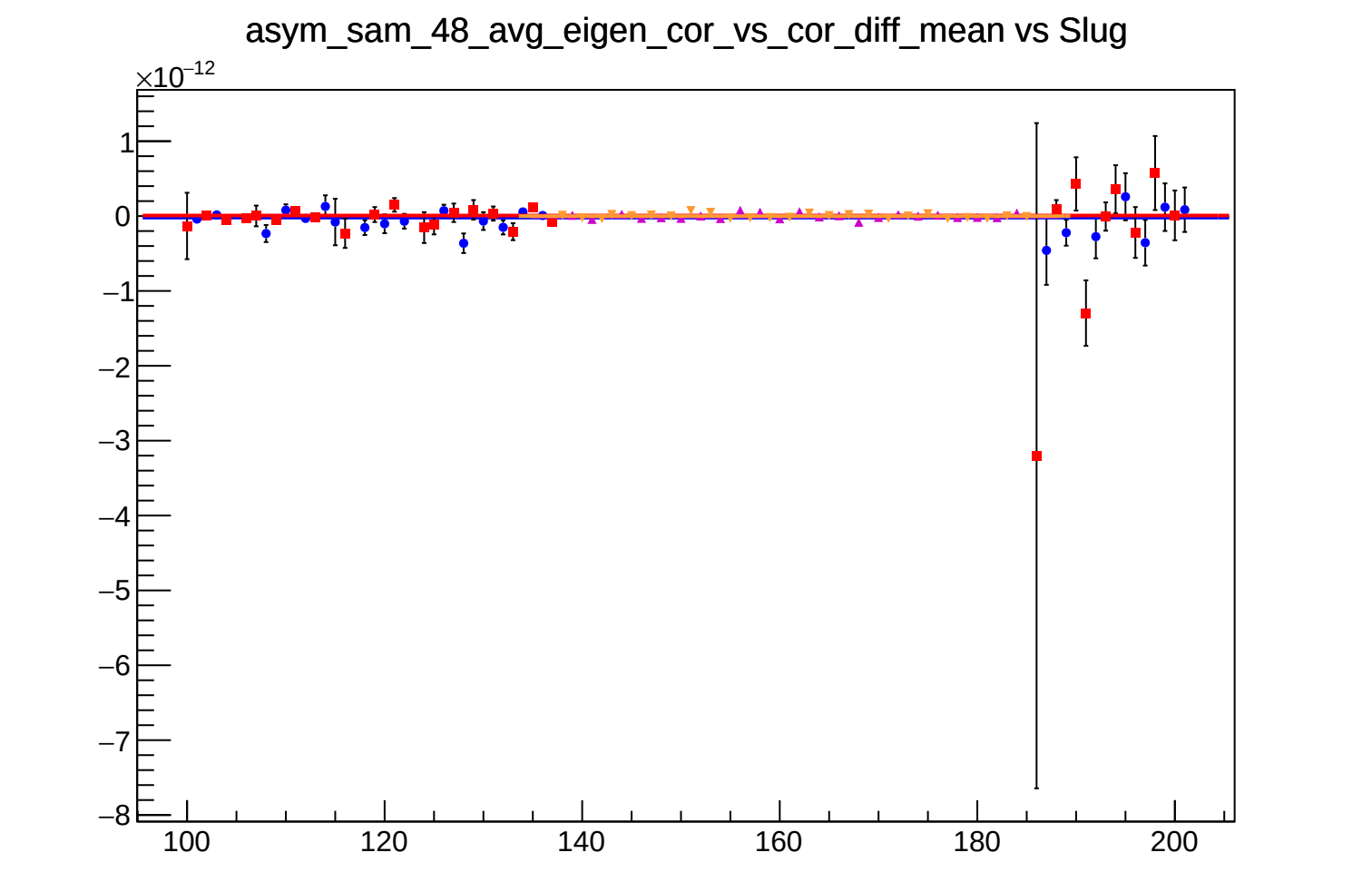
Right Out: 52.718+/-0.012 χ^2/NDF: 5466167.2/27

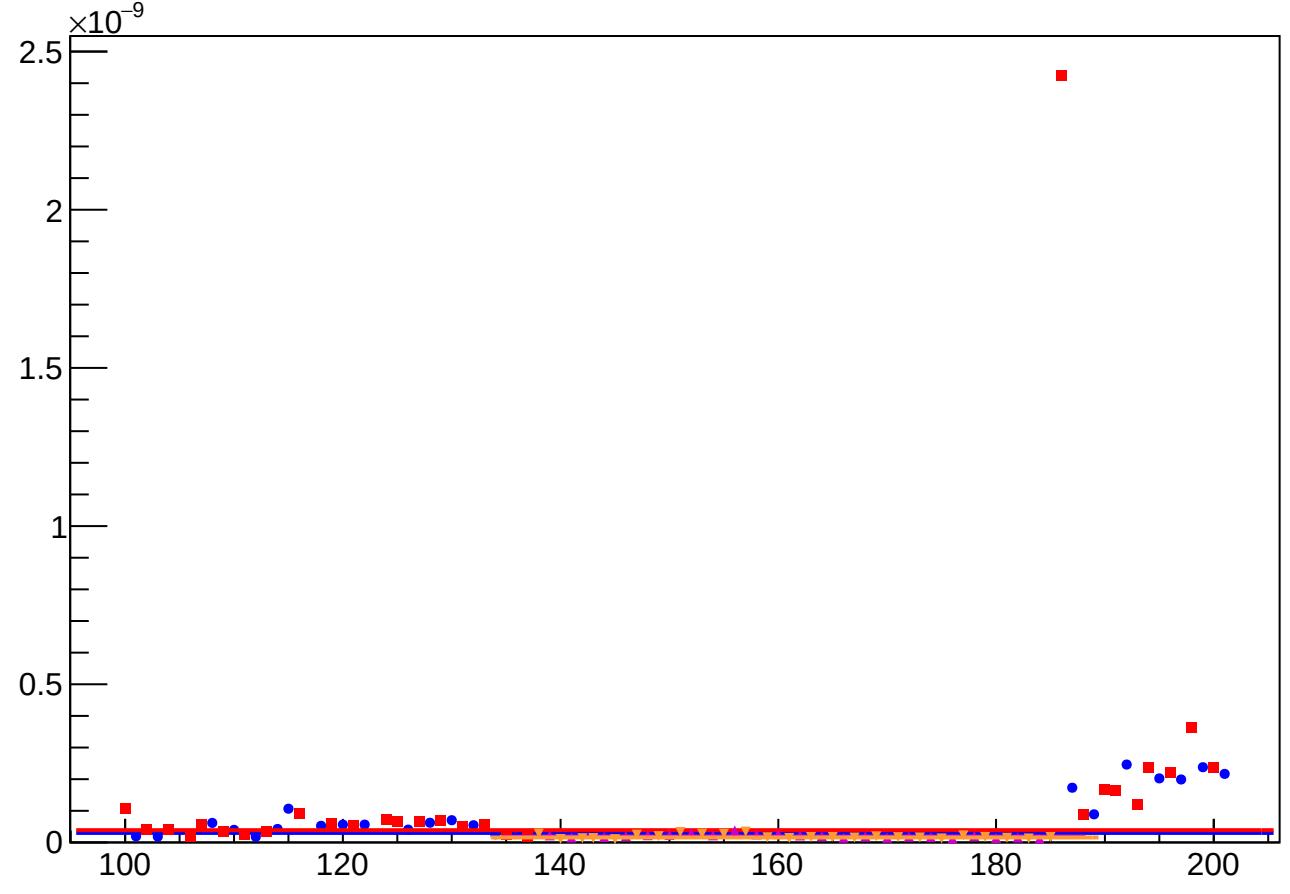
Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

\+ sign 59.956+/-0.009 χ^2/NDF: 11959466.1/47

All: 60.713+/-0.006 χ^2/NDF: 21503643.3/98

\- sign 61.470+/-0.009 χ^2/NDF: 9528790.8/50


asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
−4
−5
−6
−7
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.4/22
Left Out: -0.000+/-0.000 χ²/NDF:27.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.6/27
Left In: -0.000+/-0.000 χ²/NDF:38.3/22
+ sign -0.000+/-0.000 χ²/NDF: 57.9/47
All: -0.000+/-0.000 χ²/NDF: 134.6/98
- sign -0.000+/-0.000 χ²/NDF: 76.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 6263305.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6419690.7/27

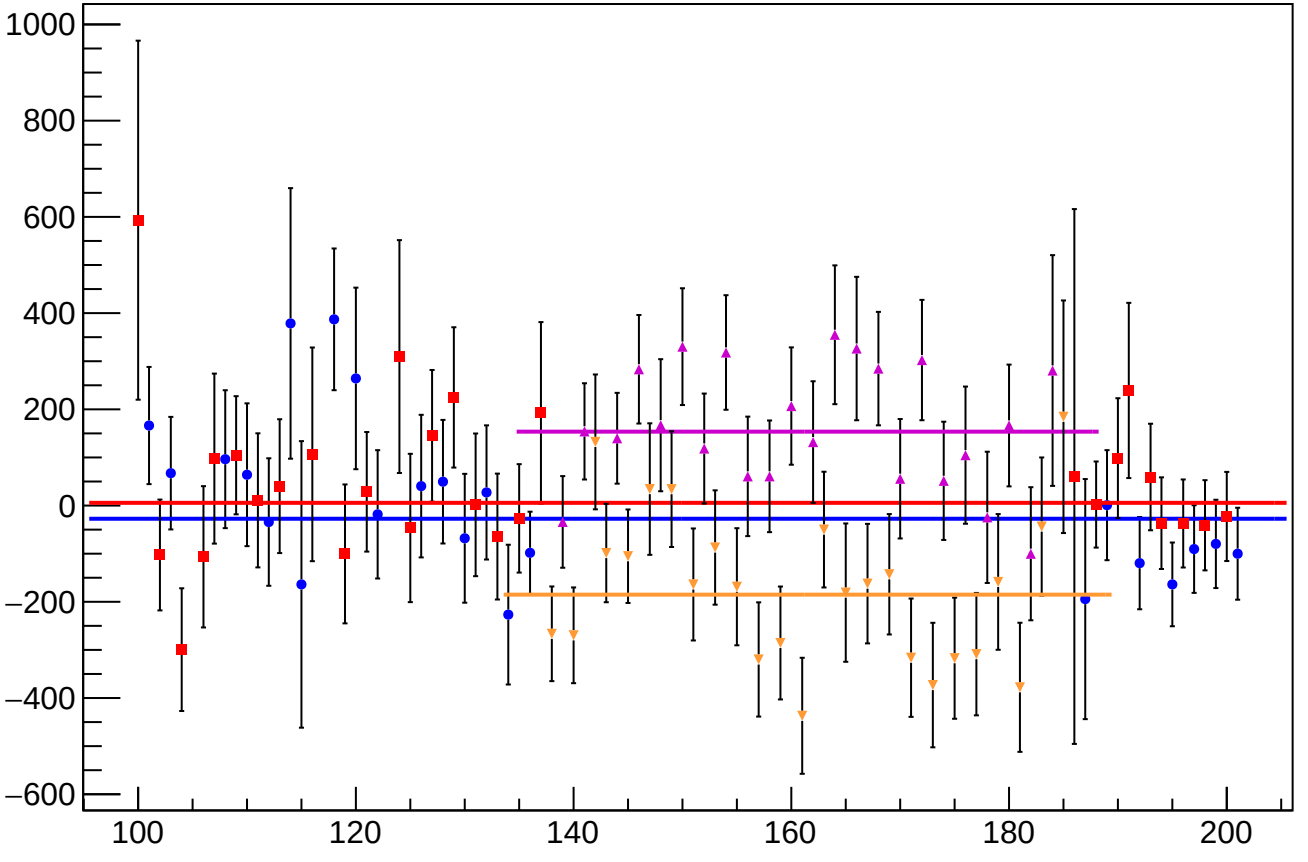
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10428738.1/47

All: 0.000+/-0.000 χ^2/NDF: 21735497.2/98

- sign 0.000+/-0.000 χ^2/NDF: 10927639.9/50

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: 5.685+/-24.544 χ^2/NDF: 21.0/27

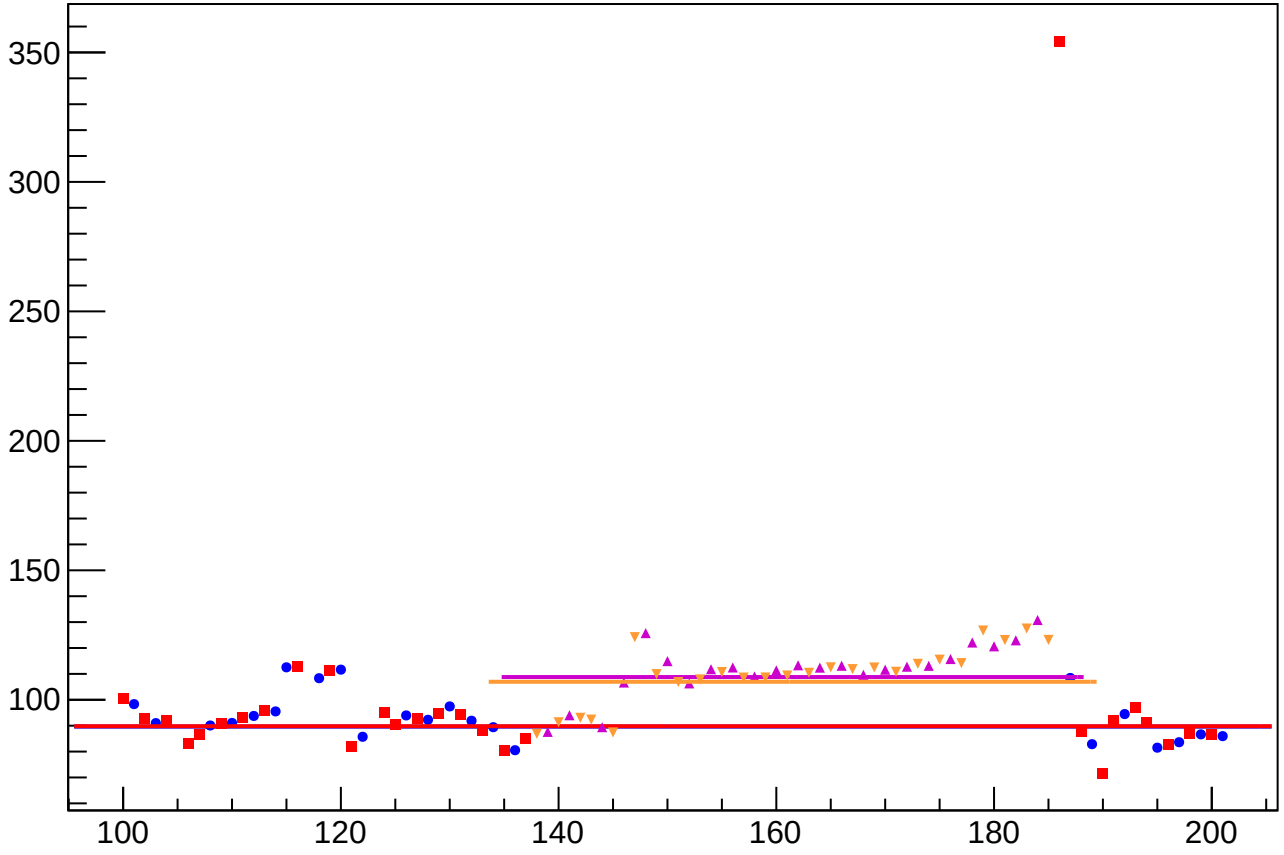
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -109.882+/-17.682 χ^2/NDF: 78.5/47

All: -16.653+/-12.508 χ^2/NDF: 196.1/98

- sign 76.721+/-17.696 χ^2/NDF: 61.9/50

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: 89.791+/-0.017 χ^2/NDF: 631668.1/27

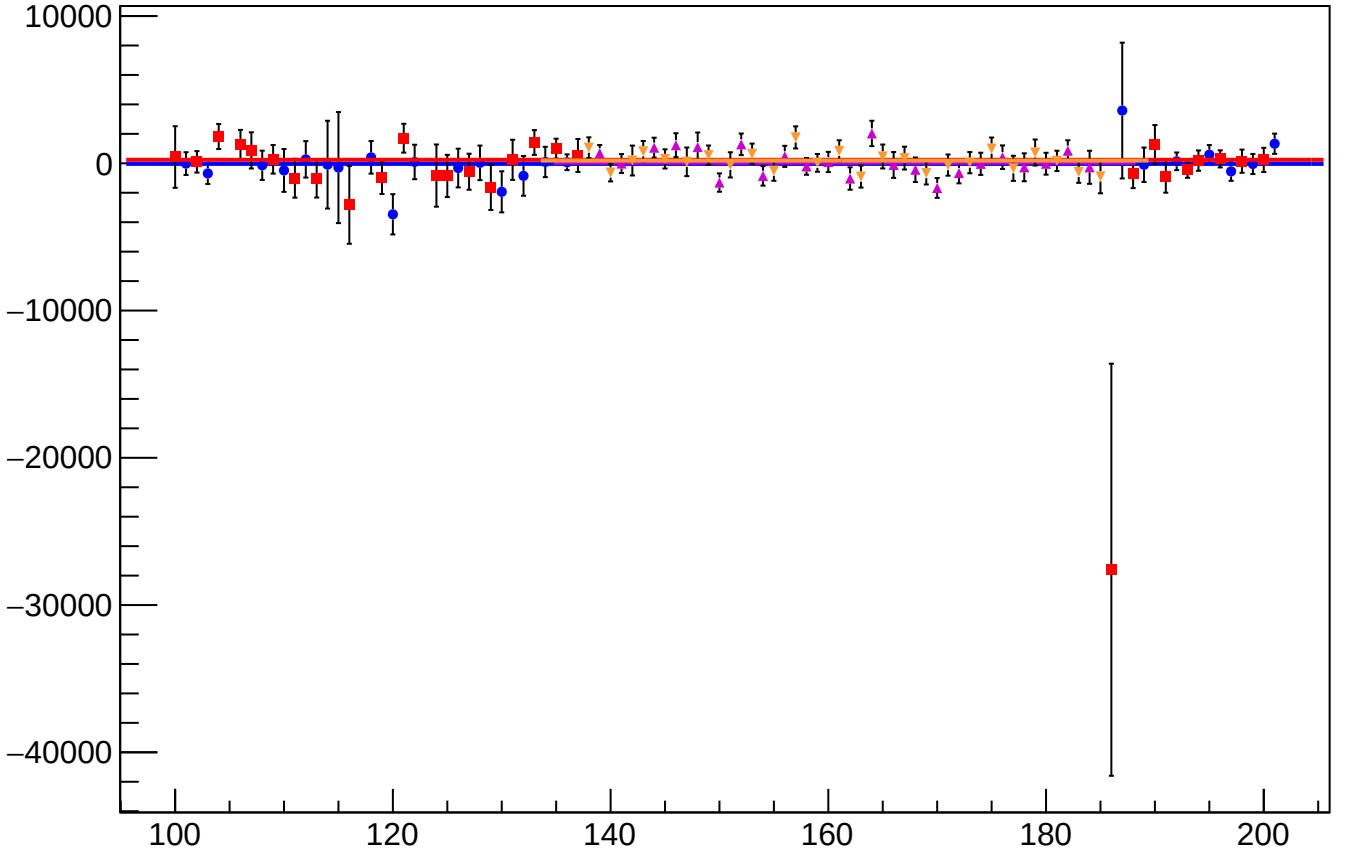
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 98.693+/-0.013 χ^2/NDF: 1116524.4/47

All: 98.801+/-0.009 χ^2/NDF: 2681634.2/98

- sign 98.909+/-0.013 χ^2/NDF: 1564961.2/50

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: 236.707+/-183.129 χ^2/NDF: 25.5/27

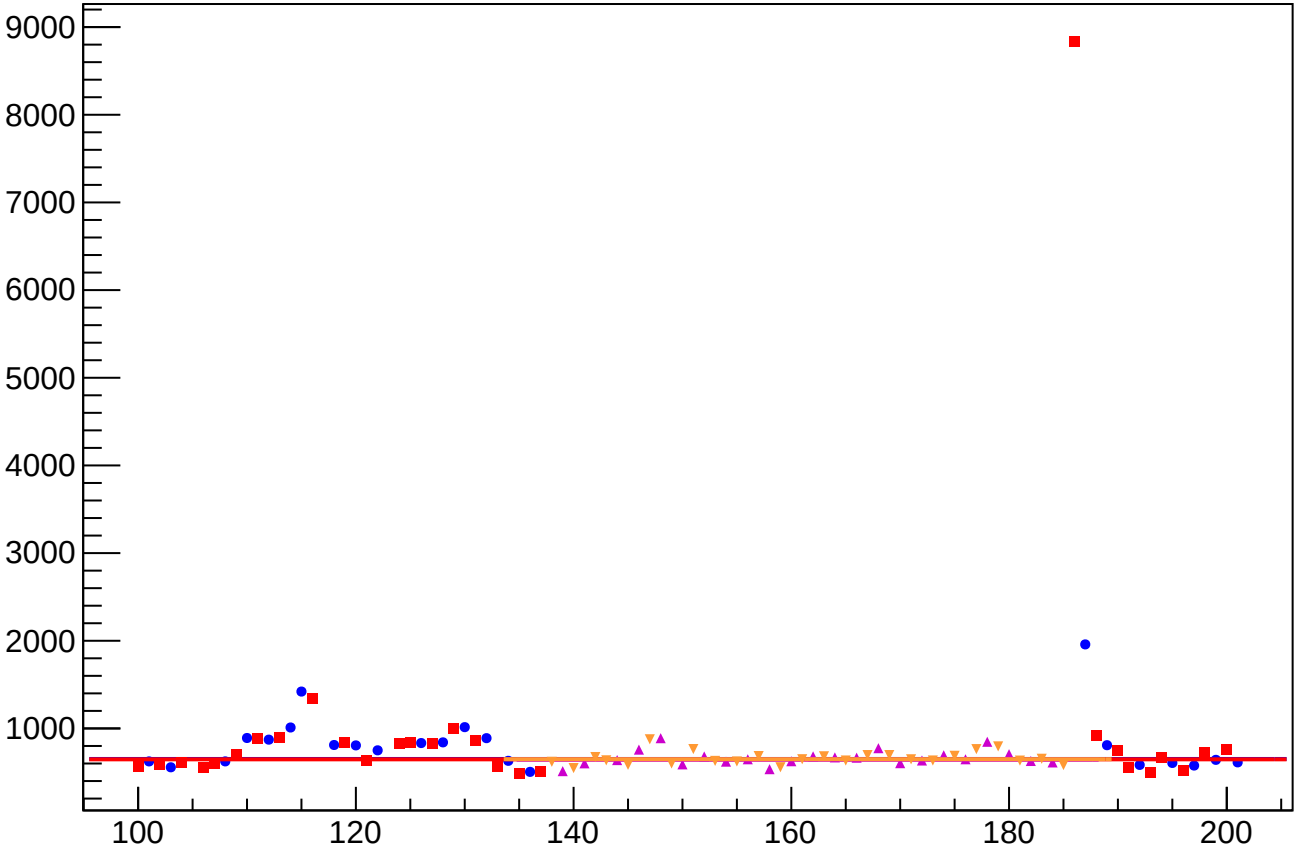
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 100.771+/-117.373 χ^2/NDF: 35.9/47

All: 111.520+/-82.859 χ^2/NDF: 95.8/98

- sign 122.198+/-116.987 χ^2/NDF: 59.9/50

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: 647.629+/-0.129 χ^2/NDF: 1950664.2/27

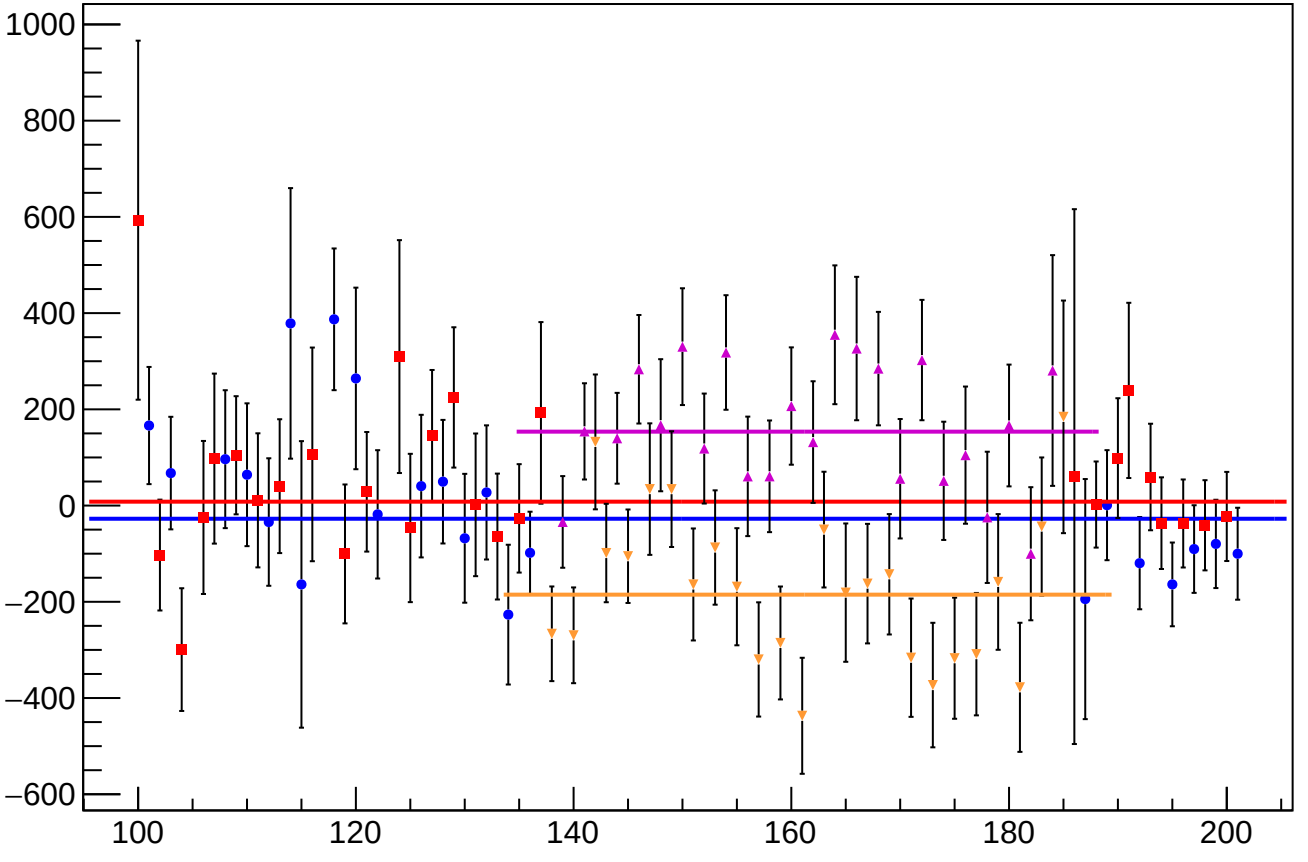
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 650.140+/-0.083 χ^2/NDF: 1474878.2/47

All: 647.824+/-0.059 χ^2/NDF: 3986660.8/98

- sign 645.524+/-0.083 χ^2/NDF: 2510230.5/50

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: 8.105+/-24.595 χ^2/NDF: 20.4/27

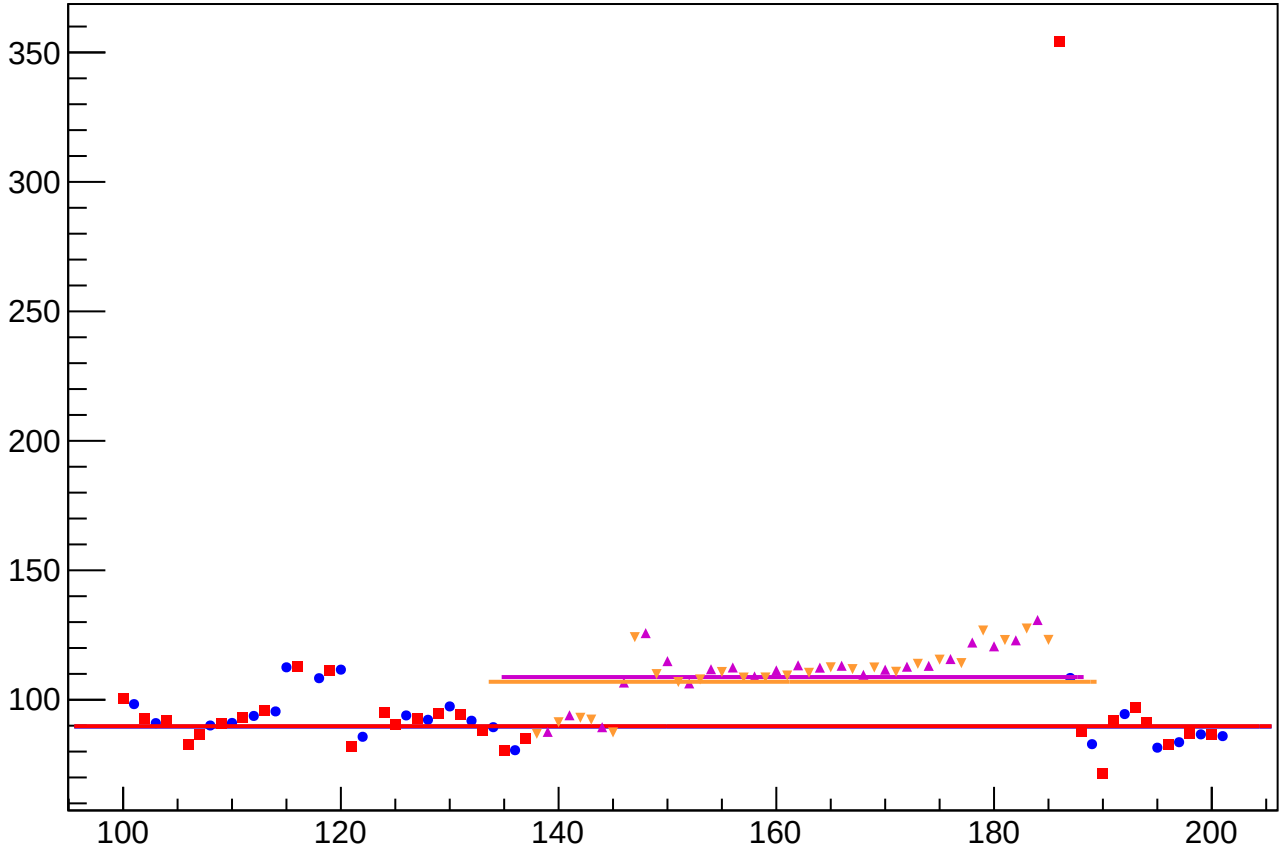
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.880+/-17.682 χ^2/NDF: 78.5/47

All: -16.048+/-12.515 χ^2/NDF: 195.7/98

- sign 78.132+/-17.715 χ^2/NDF: 60.8/50

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

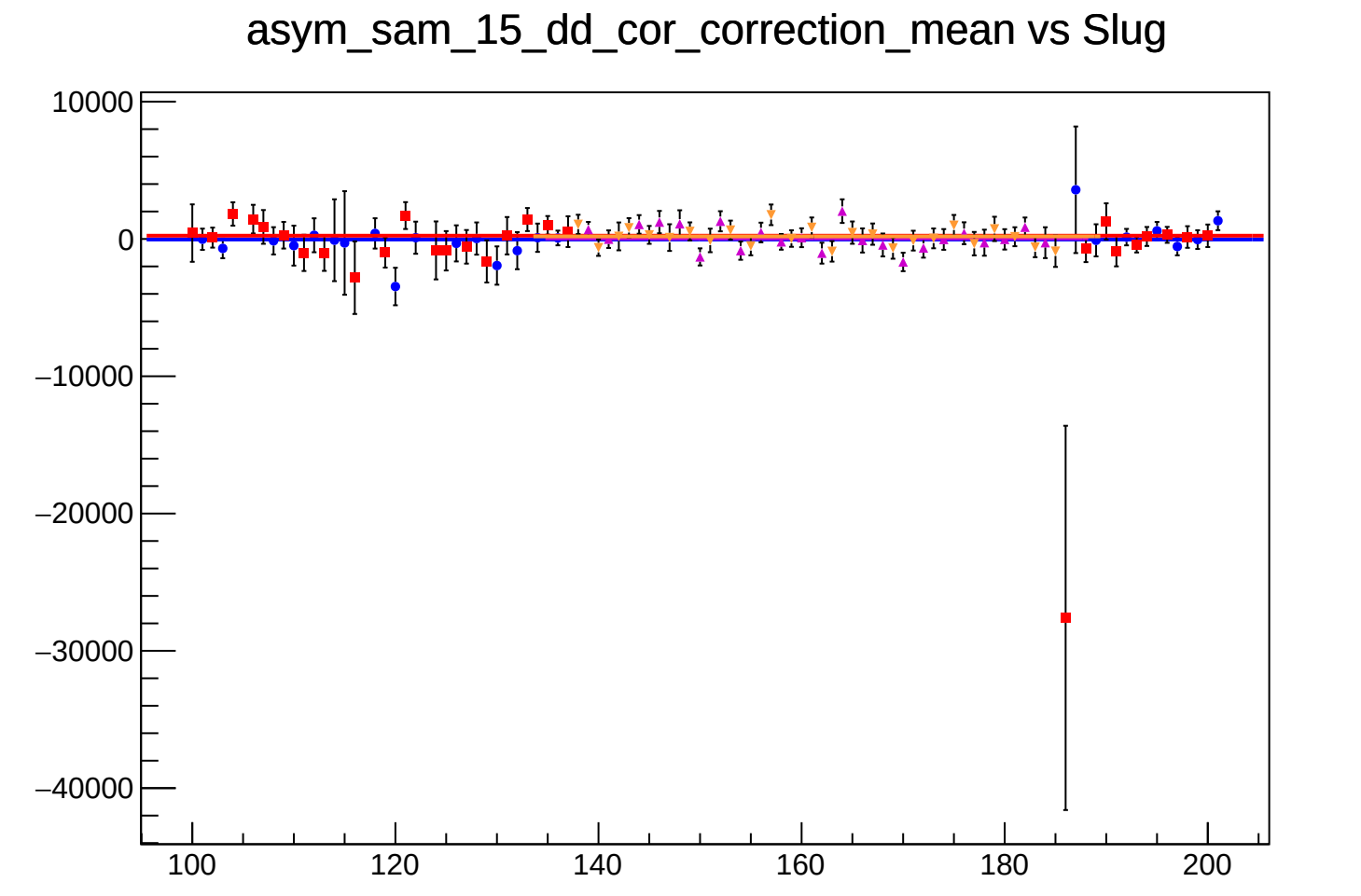
Right Out: 89.805+/-0.017 χ^2/NDF: 631665.4/27

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 98.693+/-0.013 χ^2/NDF: 1116524.4/47

All: 98.814+/-0.009 χ^2/NDF: 2679661.2/98

\- sign 98.936+/-0.013 χ^2/NDF: 1562948.7/50



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: 237.950+/-183.458 χ^2/NDF: 25.7/27

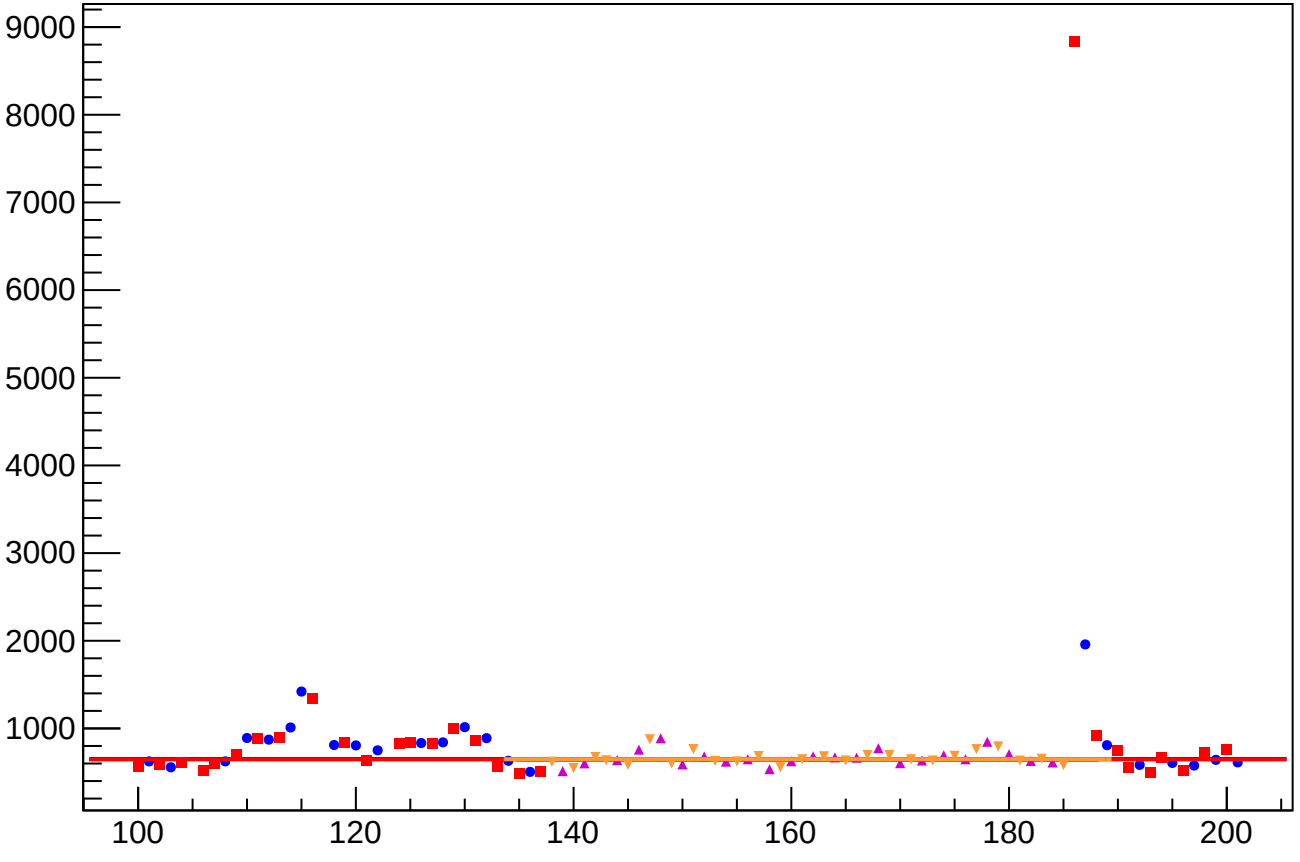
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 100.768+/-117.373 χ^2/NDF: 35.9/47

All: 111.681+/-82.889 χ^2/NDF: 96.1/98

- sign 122.538+/-117.073 χ^2/NDF: 60.1/50

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: 647.116+/-0.130 χ^2/NDF: 1960019.2/27

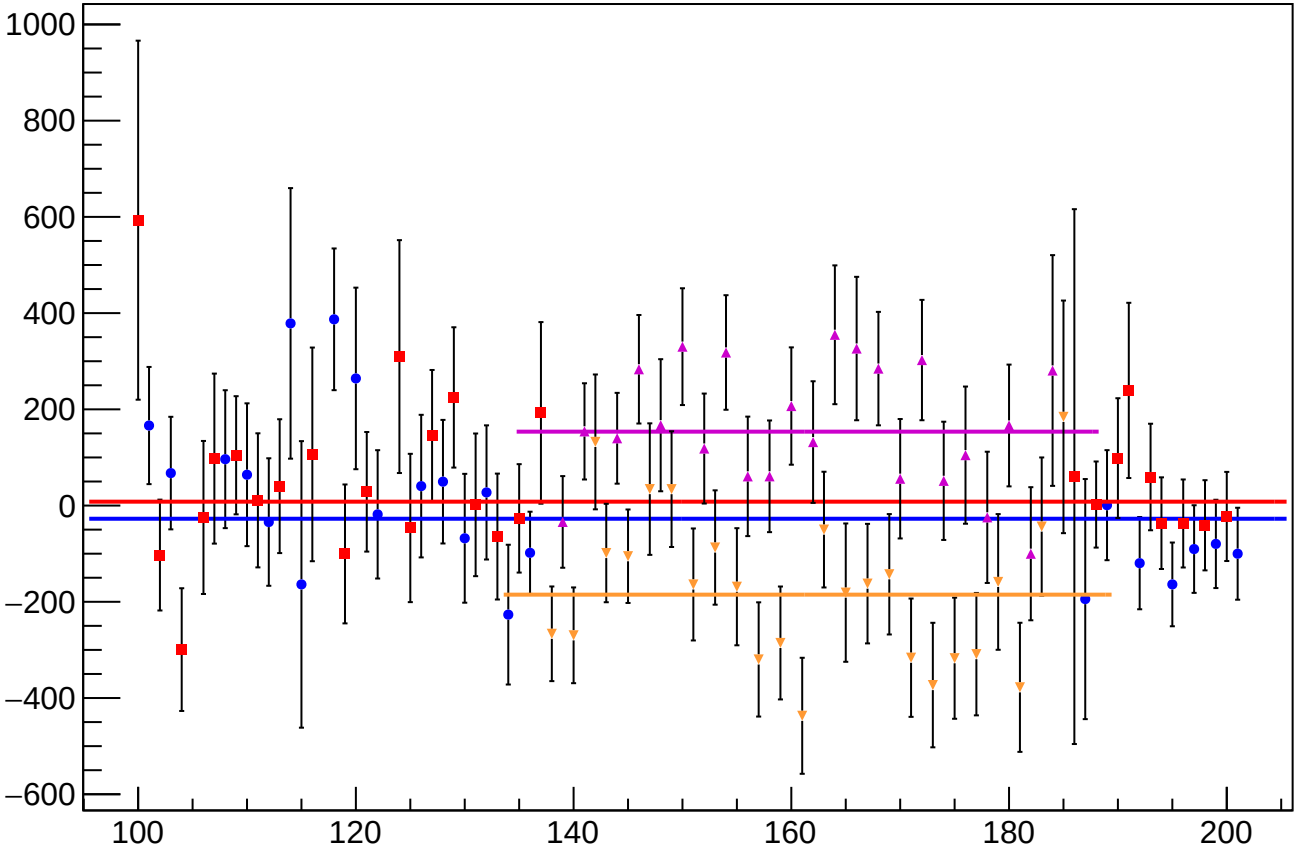
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 650.140+/-0.083 χ^2/NDF: 1474879.1/47

All: 647.720+/-0.059 χ^2/NDF: 3996042.2/98

- sign 645.312+/-0.083 χ^2/NDF: 2519466.6/50

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: 8.105+/-24.595 χ^2/NDF: 20.4/27

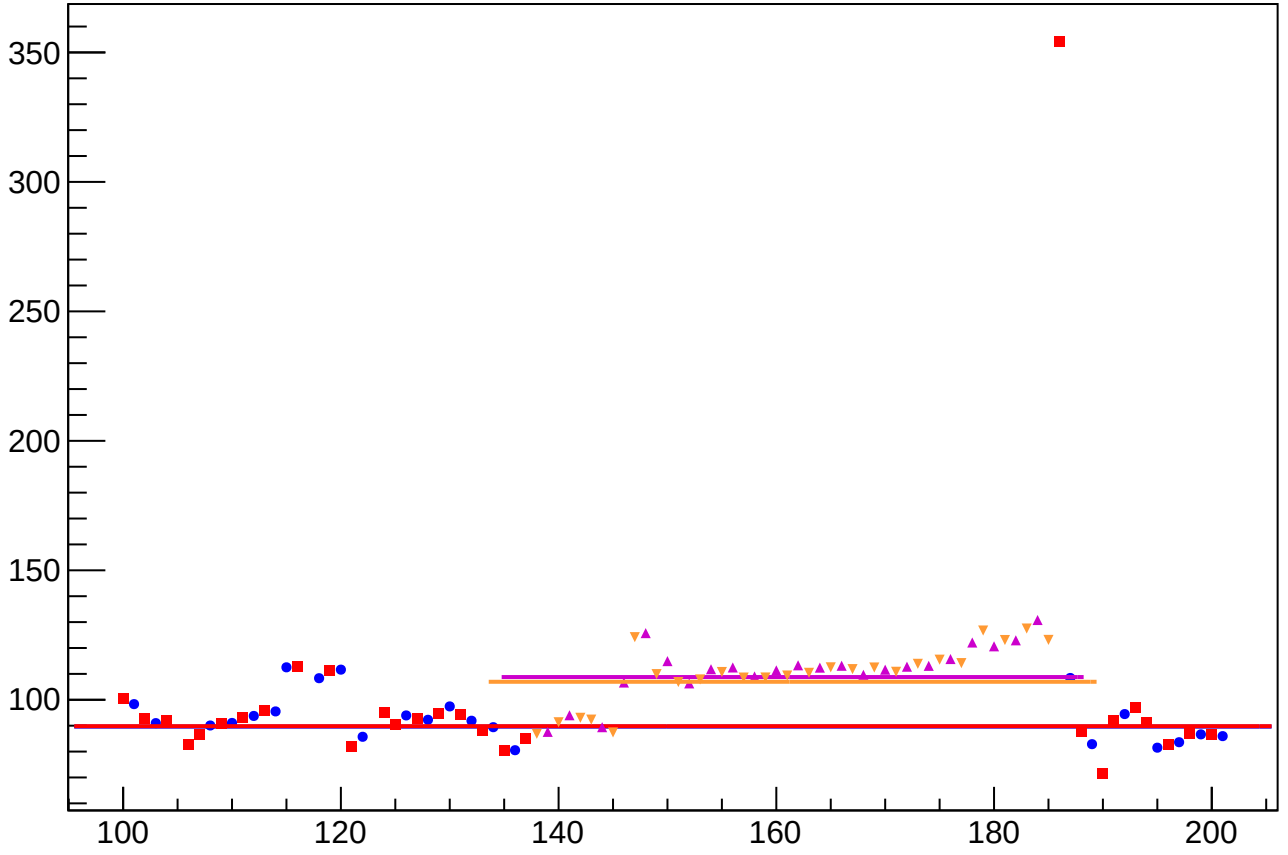
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.880+/-17.682 χ^2/NDF: 78.5/47

All: -16.048+/-12.515 χ^2/NDF: 195.7/98

- sign 78.132+/-17.715 χ^2/NDF: 60.8/50

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

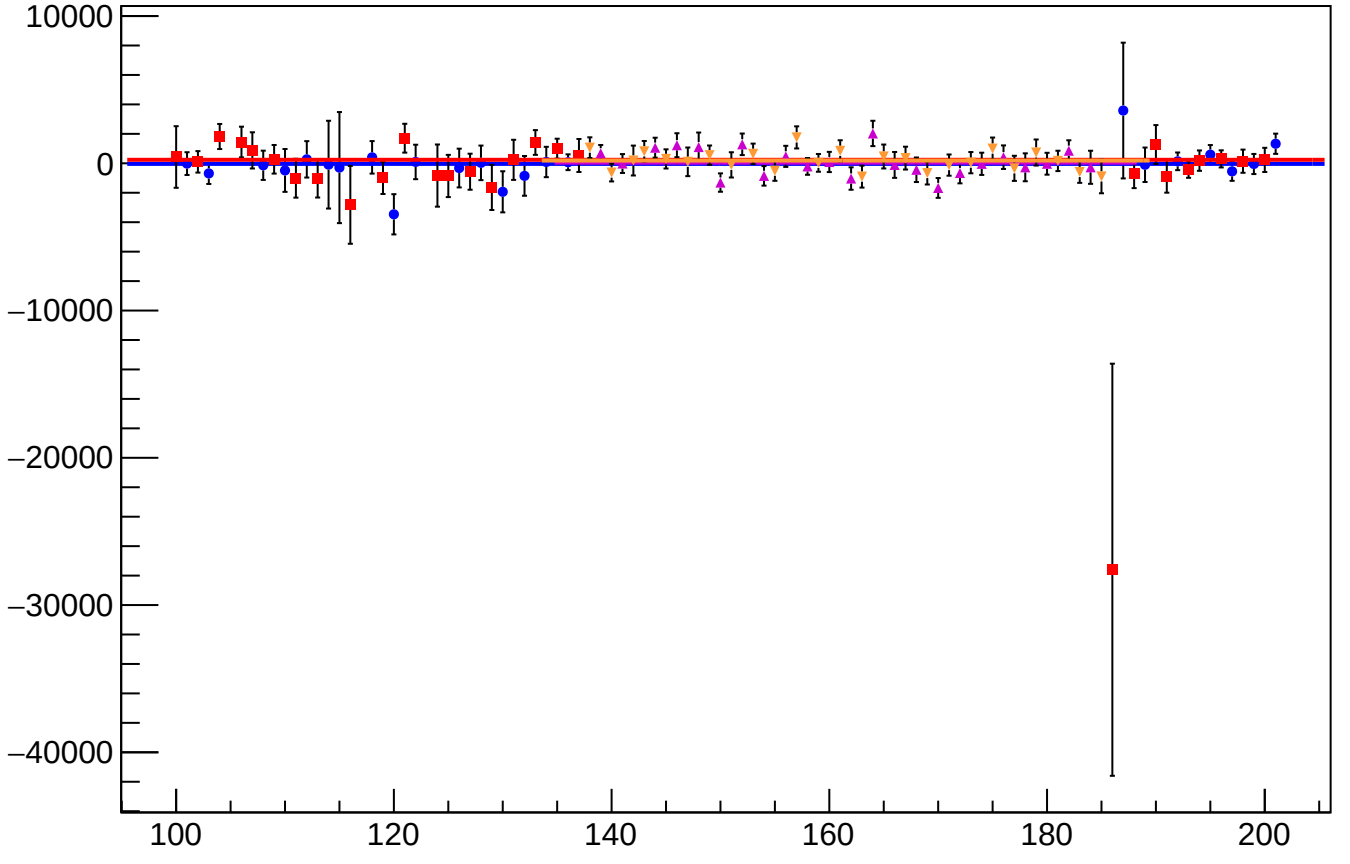
Right Out: 89.805+/-0.017 χ^2/NDF: 631665.4/27

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 98.693+/-0.013 χ^2/NDF: 1116524.4/47

All: 98.814+/-0.009 χ^2/NDF: 2679661.2/98

\- sign 98.936+/-0.013 χ^2/NDF: 1562948.7/50



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: 237.950+/-183.458 χ^2/NDF: 25.7/27

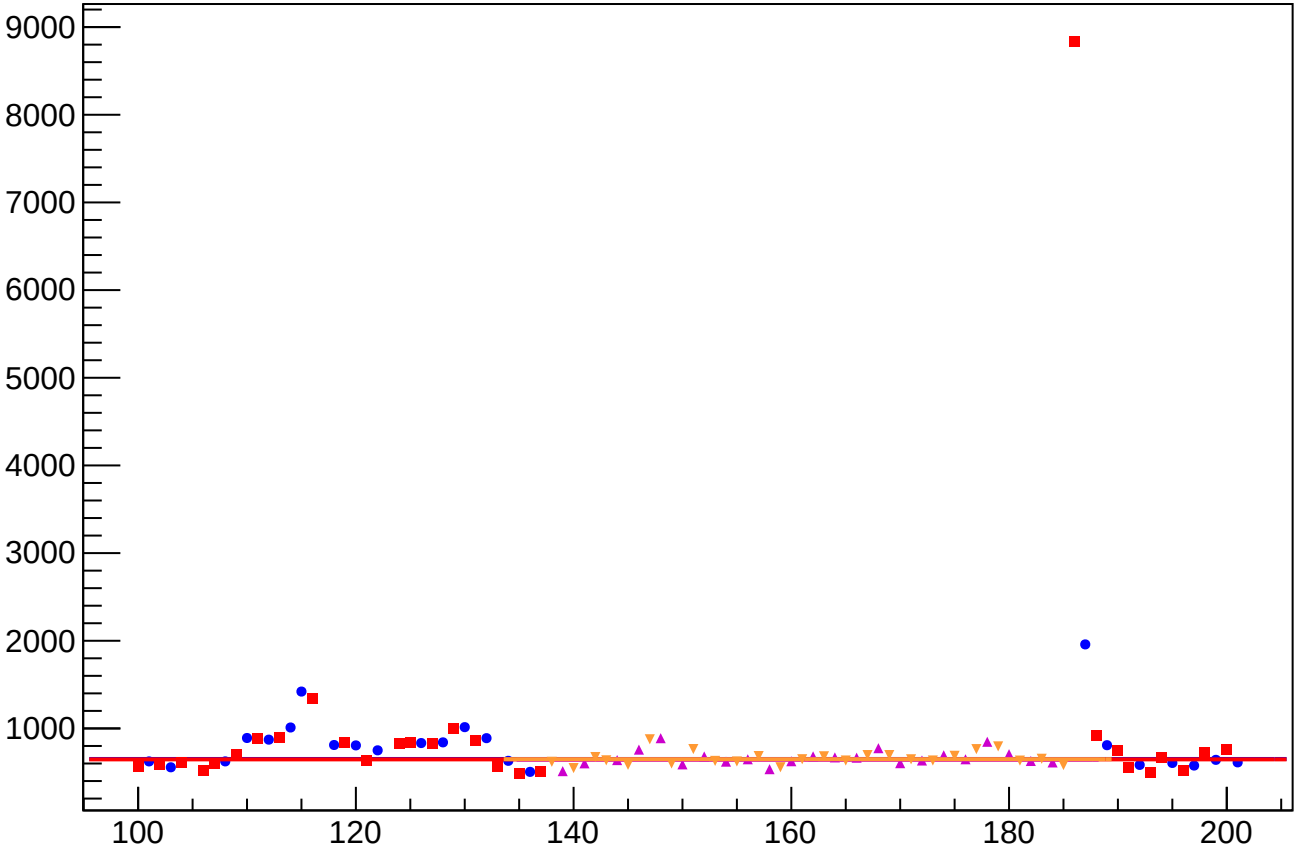
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 100.768+/-117.373 χ^2/NDF: 35.9/47

All: 111.681+/-82.889 χ^2/NDF: 96.1/98

- sign 122.538+/-117.073 χ^2/NDF: 60.1/50

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

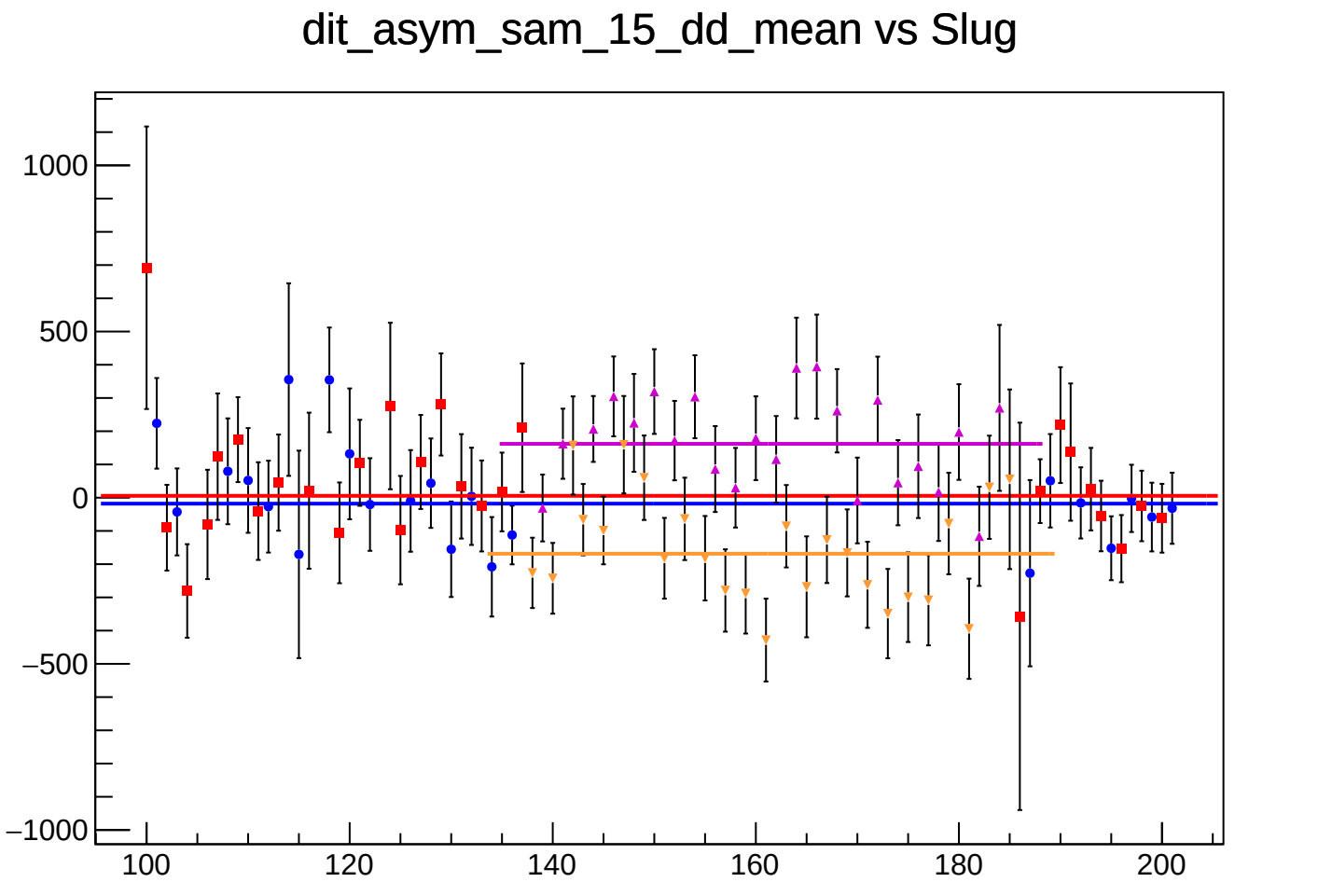
Right Out: 647.116+/-0.130 χ^2/NDF: 1960019.2/27

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 650.140+/-0.083 χ^2/NDF: 1474879.1/47

All: 647.720+/-0.059 χ^2/NDF: 3996042.2/98

- sign 645.312+/-0.083 χ^2/NDF: 2519466.6/50



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: 5.634+/-26.758 χ^2/NDF: 23.1/27

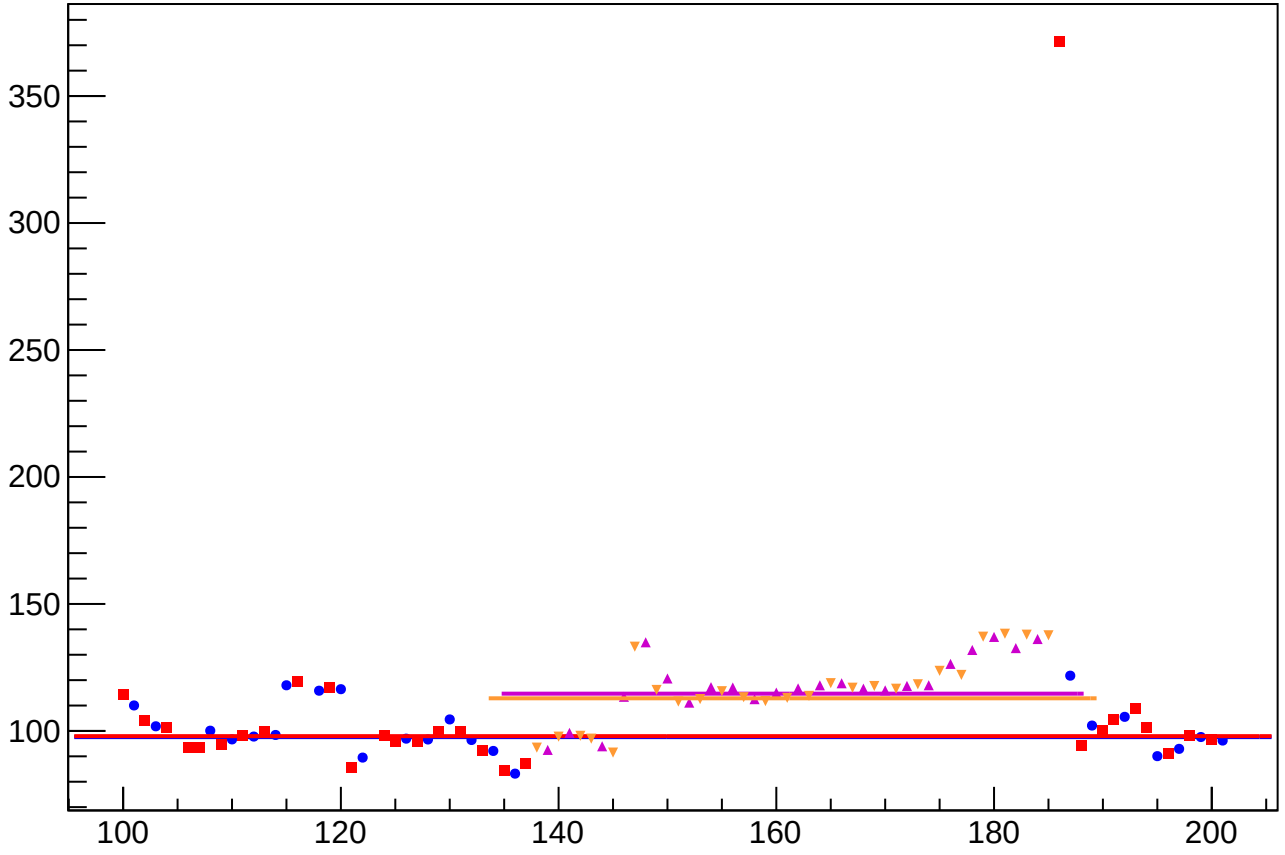
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -99.038+/-18.941 χ^2/NDF: 66.8/47

All: -8.104+/-13.410 χ^2/NDF: 176.7/98

- sign 83.280+/-18.987 χ^2/NDF: 63.7/50

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: 97.948+/-0.019 χ^2/NDF: 588893.4/27

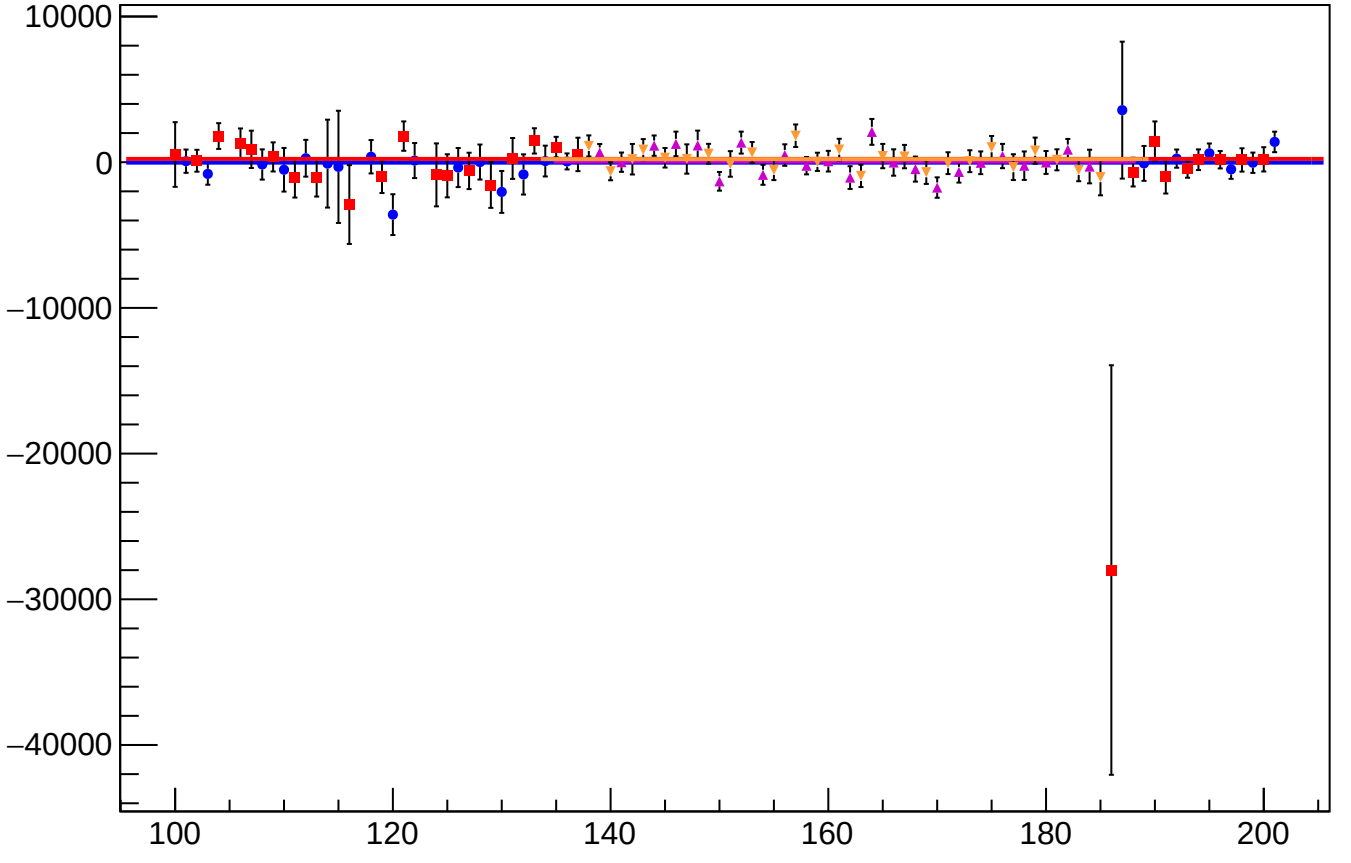
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

\+ sign 105.791+/-0.013 χ^2/NDF: 1021354.2/47

All: 106.022+/-0.009 χ^2/NDF: 2408864.9/98

\- sign 106.254+/-0.013 χ^2/NDF: 1386915.4/50

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: 227.734+/-188.885 χ^2/NDF: 25.4/27

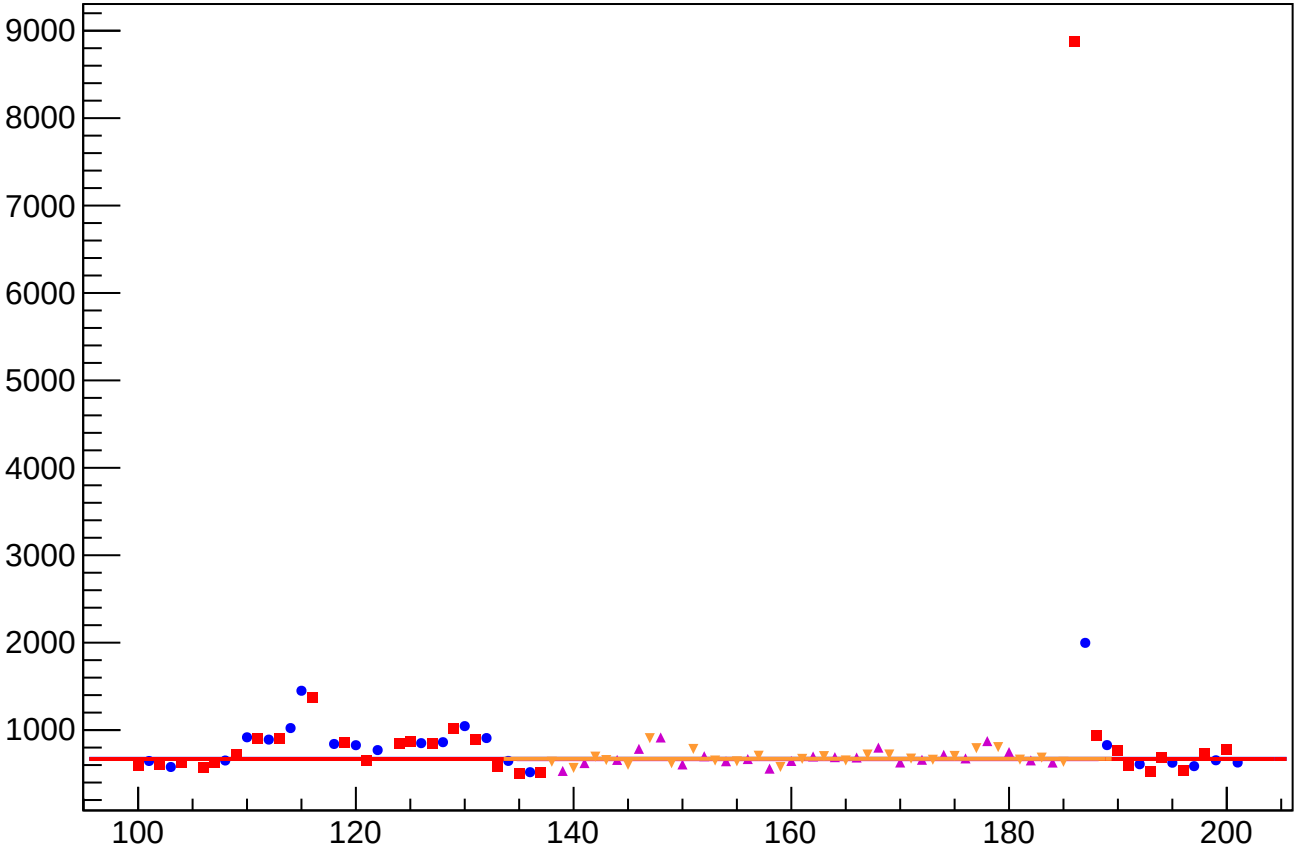
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 118.834+/-121.165 χ^2/NDF: 36.4/47

All: 120.942+/-85.603 χ^2/NDF: 95.6/98

- sign 123.043+/-120.958 χ^2/NDF: 59.3/50

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

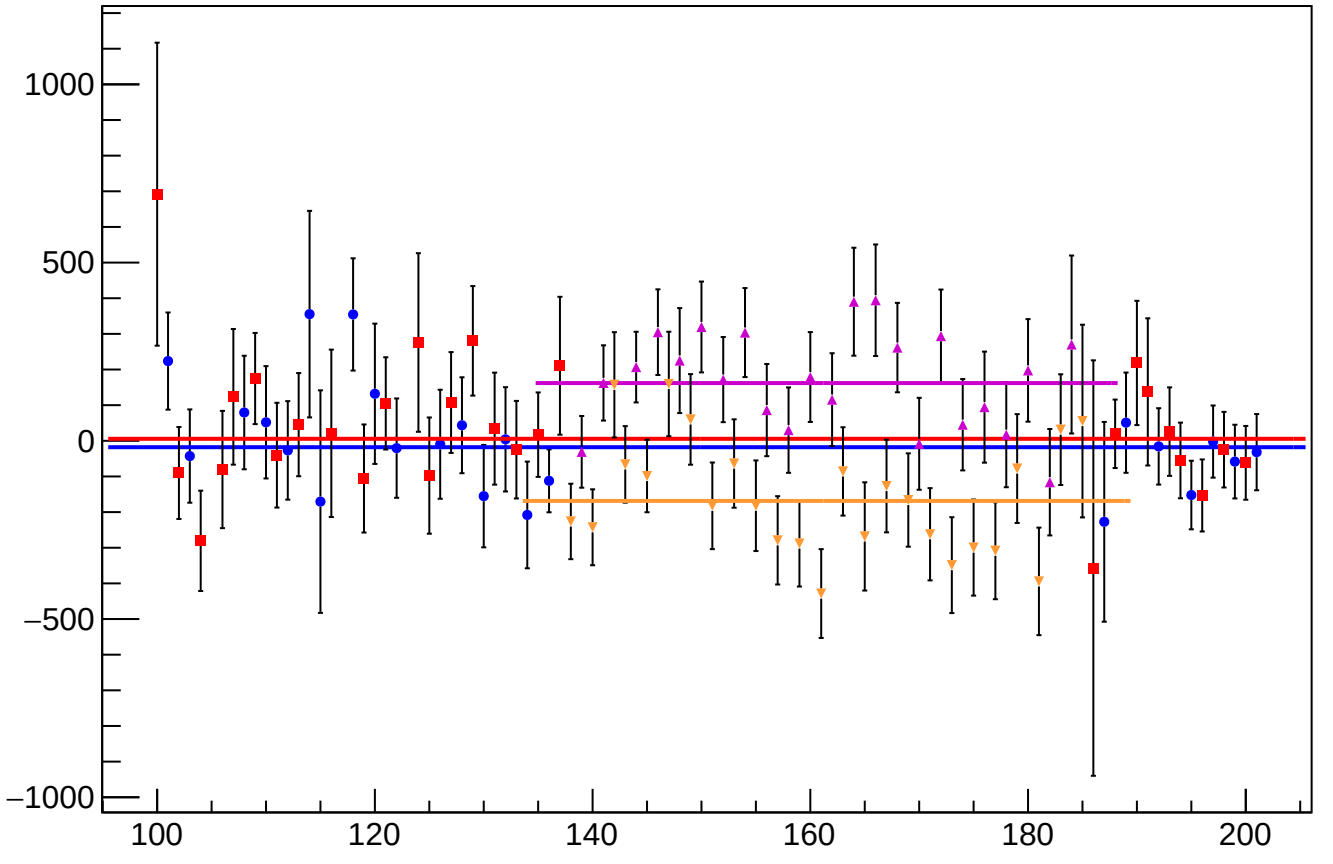
Right Out: 669.230+/-0.134 χ^2/NDF: 1879129.2/27

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 671.588+/-0.086 χ^2/NDF: 1439299.4/47

All: 669.849+/-0.061 χ^2/NDF: 3866272.9/98

- sign 668.116+/-0.086 χ^2/NDF: 2426150.8/50



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: 5.635+/-26.758 χ^2/NDF: 23.1/27

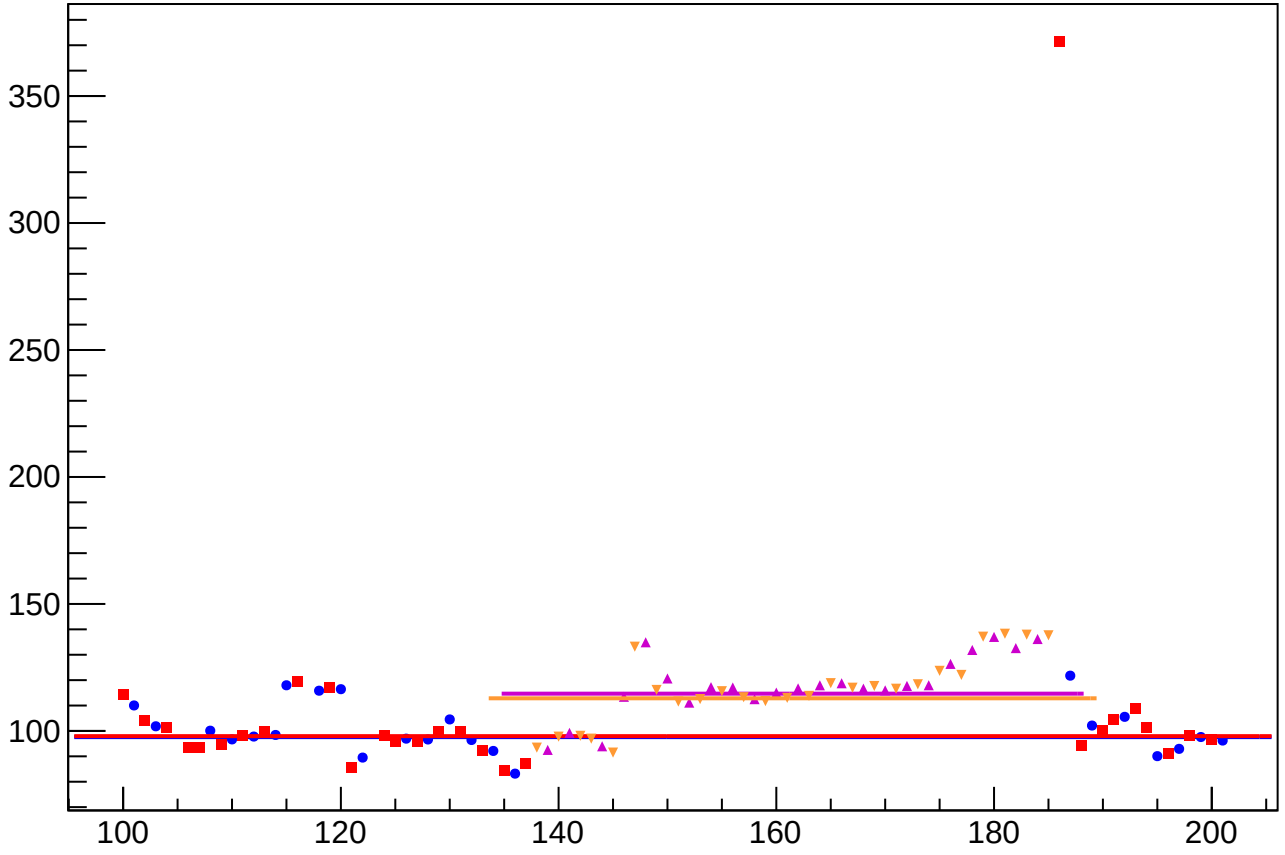
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -99.038+/-18.941 χ^2/NDF: 66.8/47

All: -8.104+/-13.410 χ^2/NDF: 176.7/98

- sign 83.280+/-18.987 χ^2/NDF: 63.7/50

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

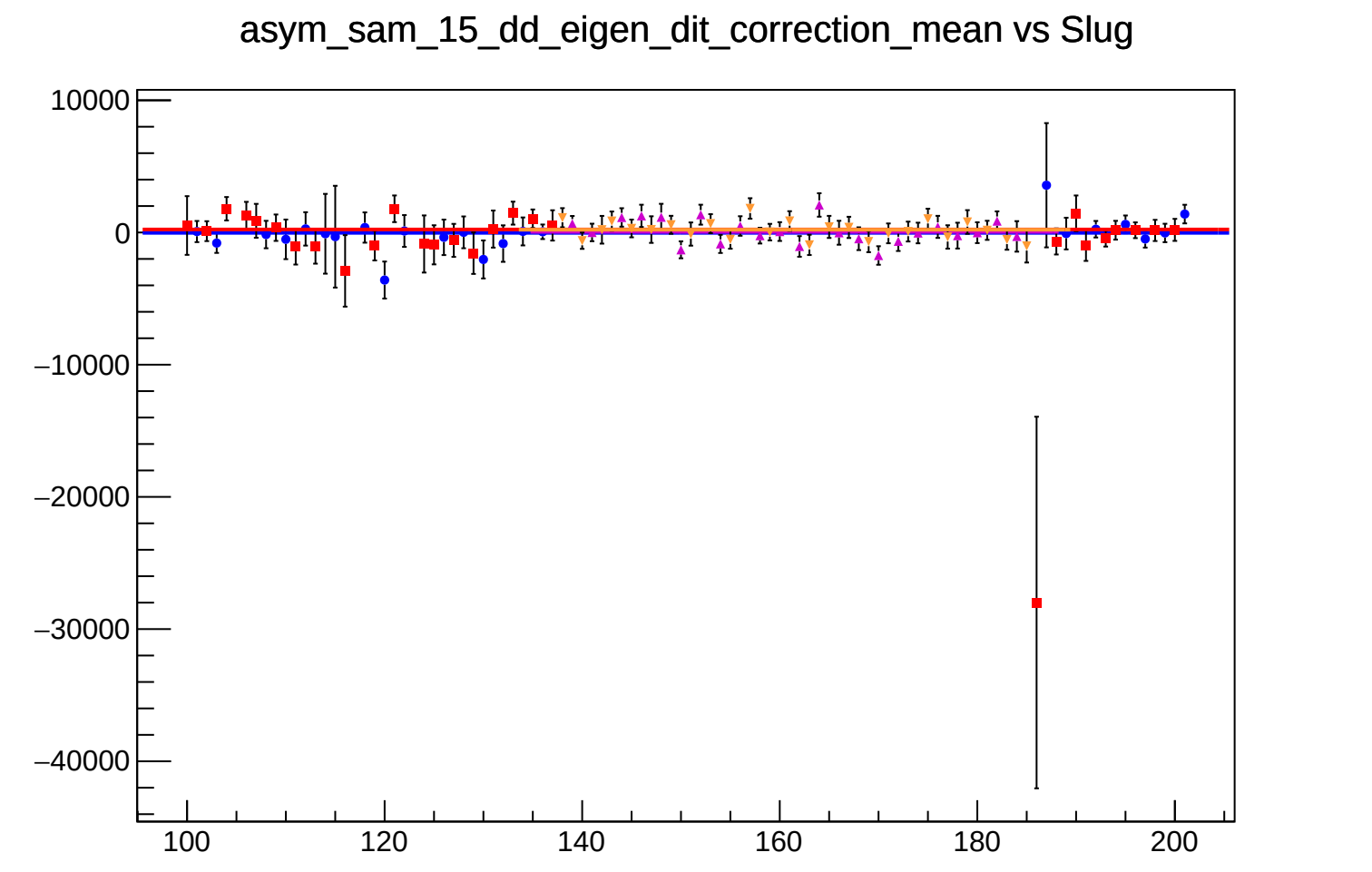
Right Out: 97.948+/-0.019 χ^2/NDF: 588892.1/27

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 105.791+/-0.013 χ^2/NDF: 1021358.1/47

All: 106.022+/-0.009 χ^2/NDF: 2408874.7/98

- sign 106.254+/-0.013 χ^2/NDF: 1386921.1/50



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: 227.734+/-188.885 χ^2/NDF: 25.4/27

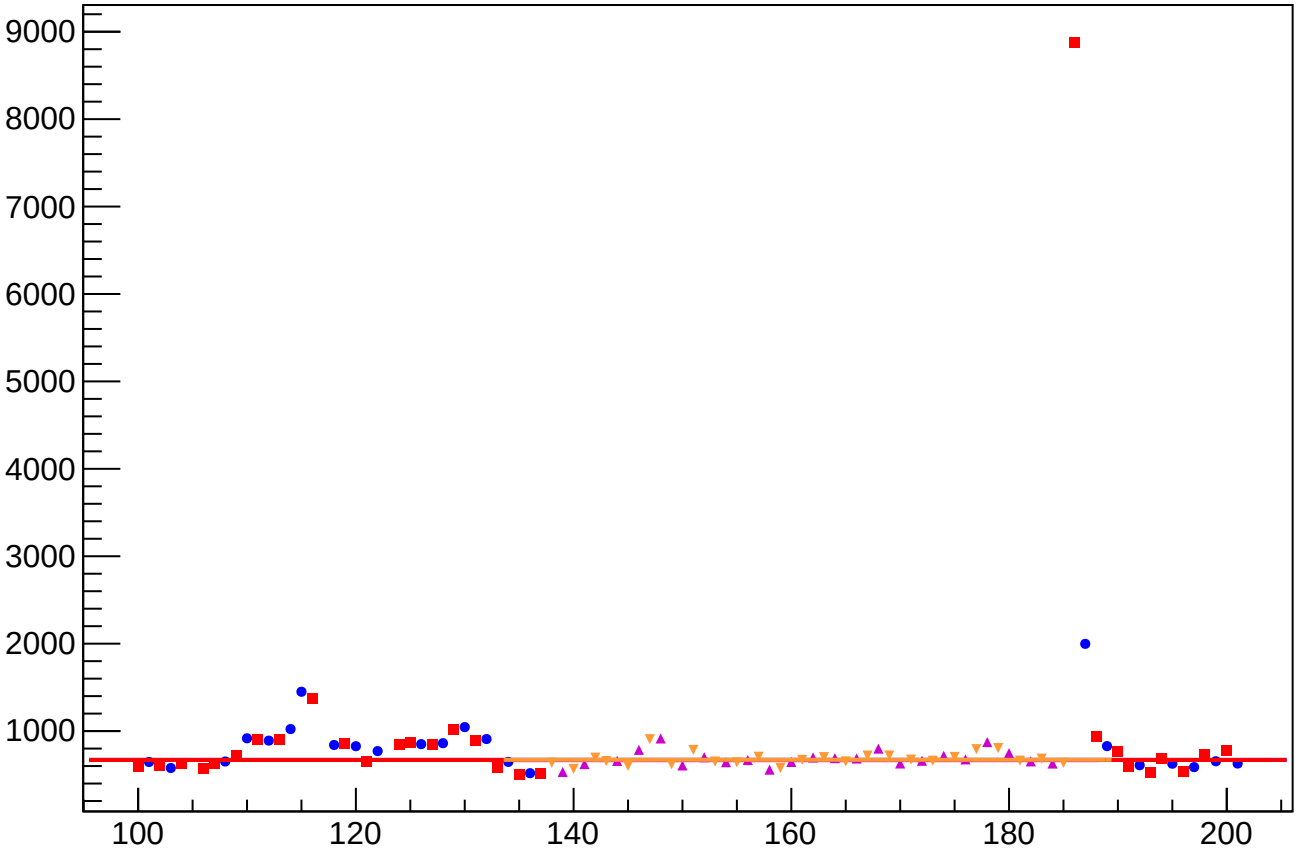
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 118.834+/-121.165 χ^2/NDF: 36.4/47

All: 120.942+/-85.603 χ^2/NDF: 95.6/98

- sign 123.044+/-120.958 χ^2/NDF: 59.3/50

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: 669.230+/-0.134 χ^2/NDF: 1879134.7/27

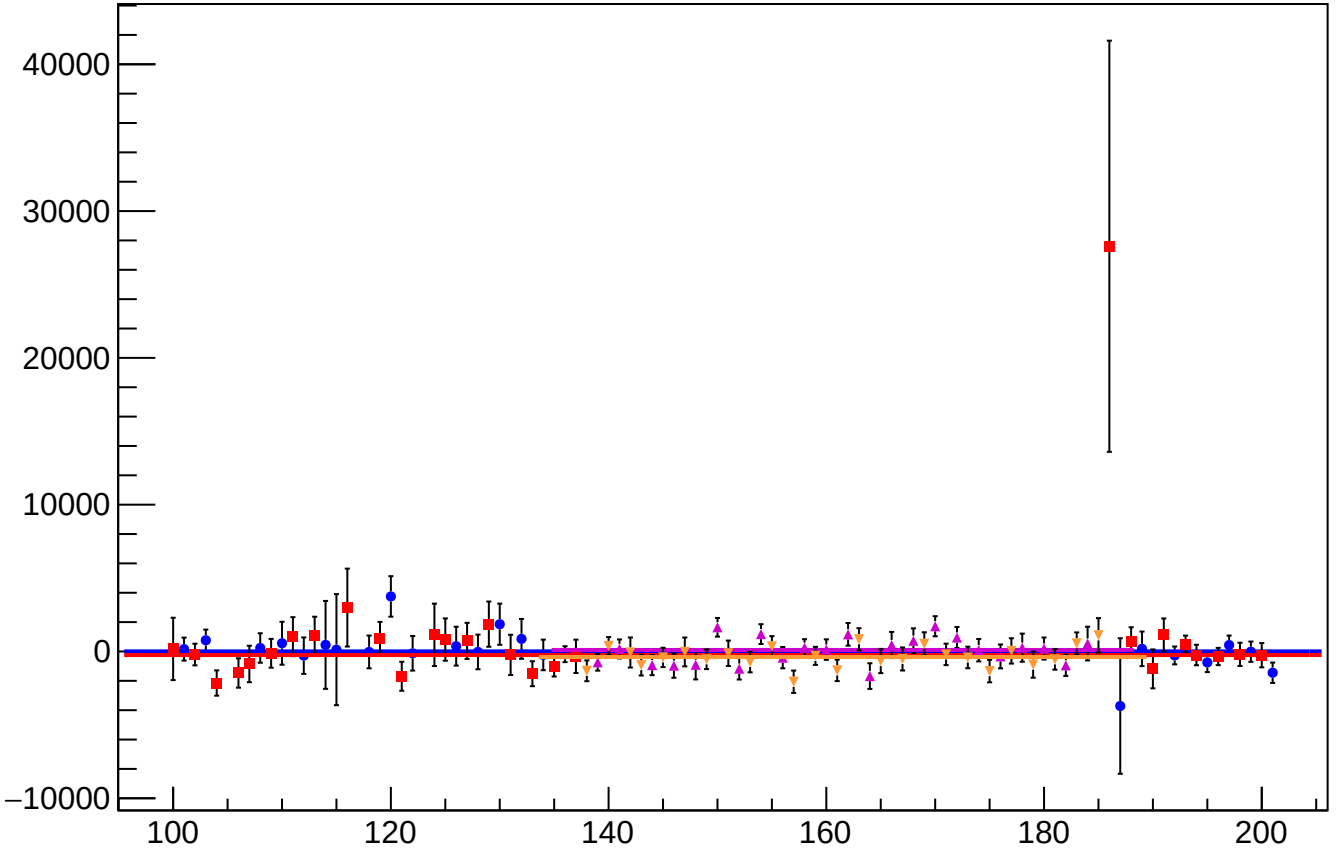
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 671.588+/-0.086 χ^2/NDF: 1439301.3/47

All: 669.849+/-0.061 χ^2/NDF: 3866282.2/98

- sign 668.116+/-0.086 χ^2/NDF: 2426158.3/50

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: -244.301+/-185.156 χ^2/NDF: 28.7/27

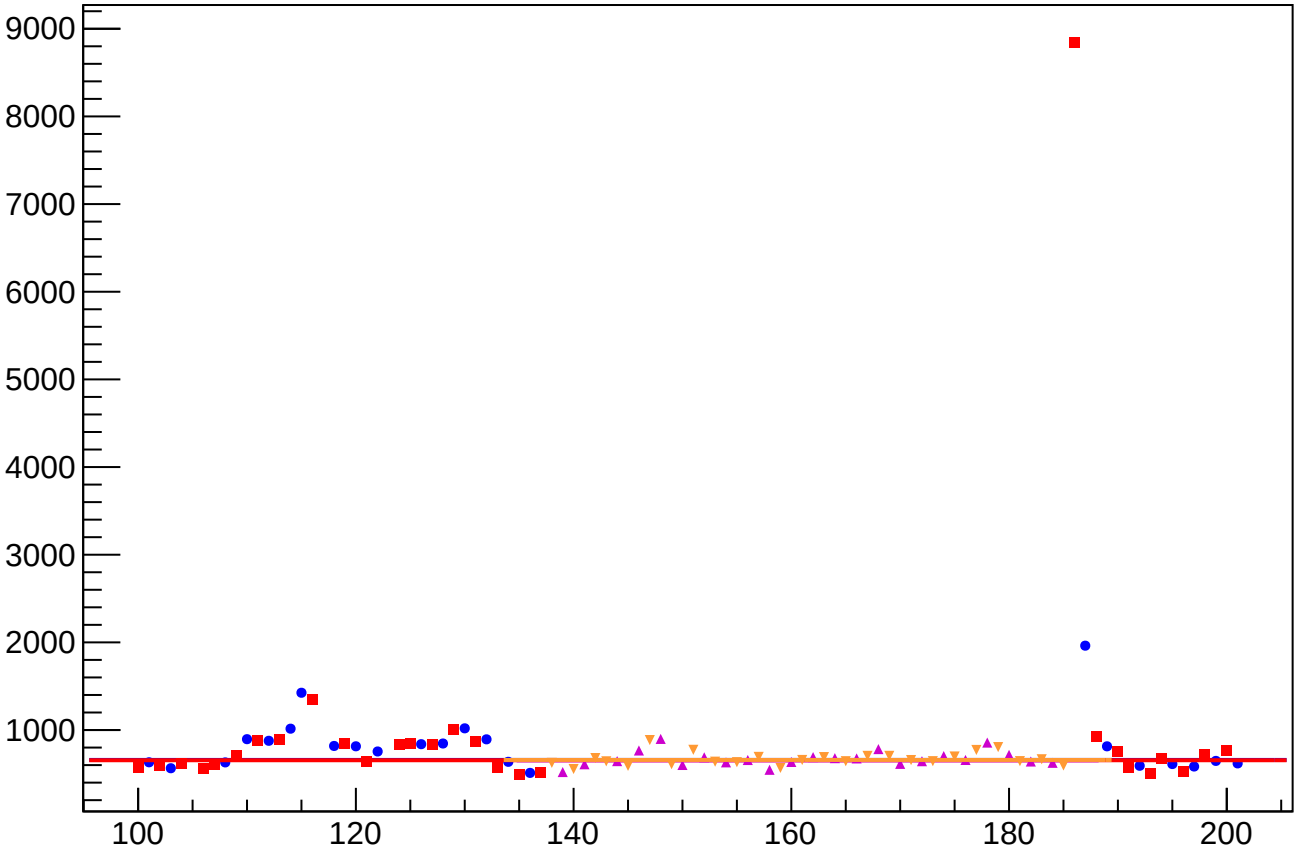
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -231.348+/-118.880 χ^2/NDF: 42.1/47

All: -135.003+/-83.945 χ^2/NDF: 109.7/98

- sign -39.189+/-118.551 χ^2/NDF: 66.3/50

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

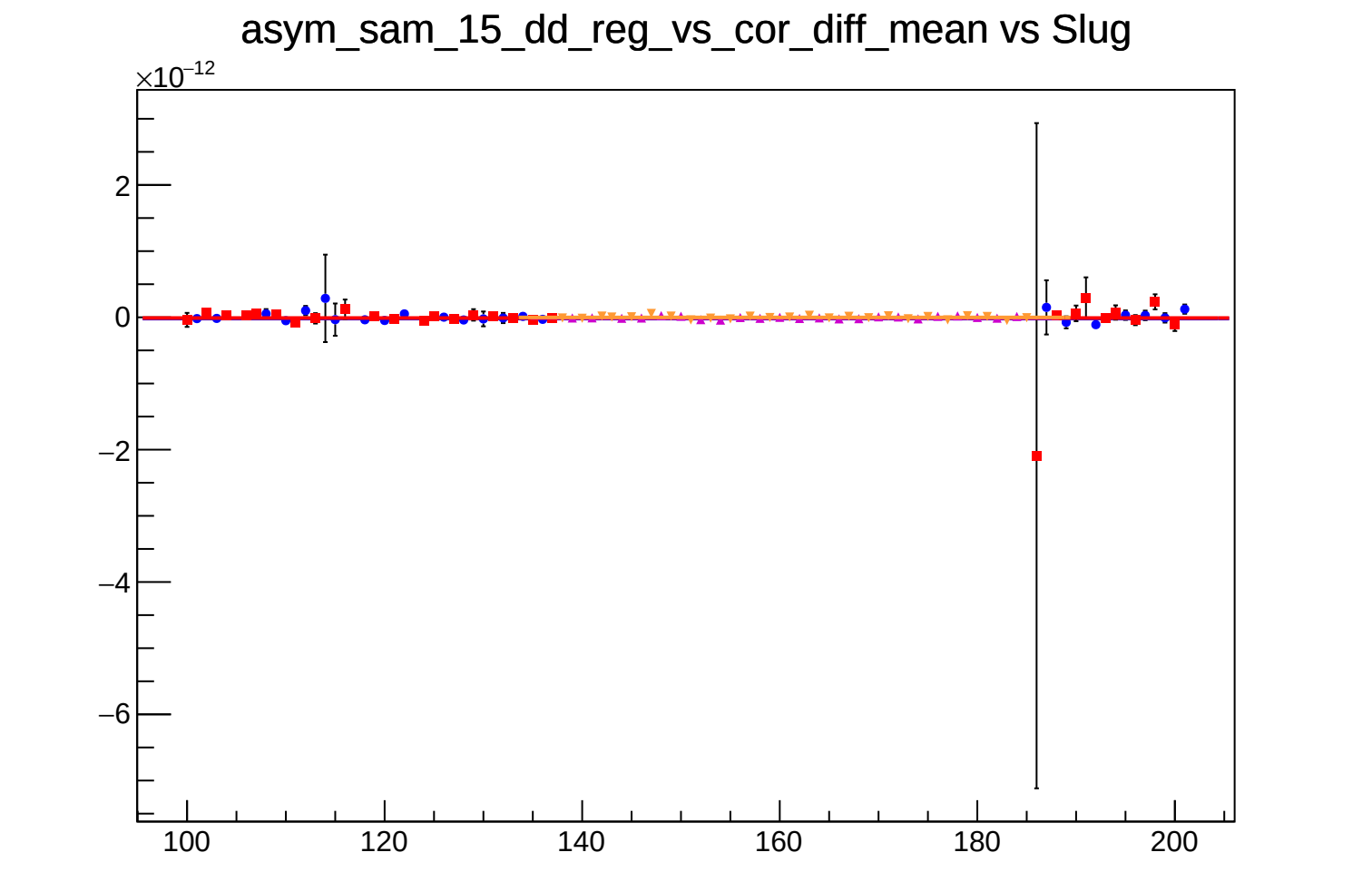
Right Out: 655.472+/-0.131 χ^2/NDF: 1911079.2/27

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

\+ sign 658.772+/-0.084 χ^2/NDF: 1443101.7/47

All: 656.667+/-0.059 χ^2/NDF: 3897589.4/98

\- sign 654.574+/-0.084 χ^2/NDF: 2453237.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

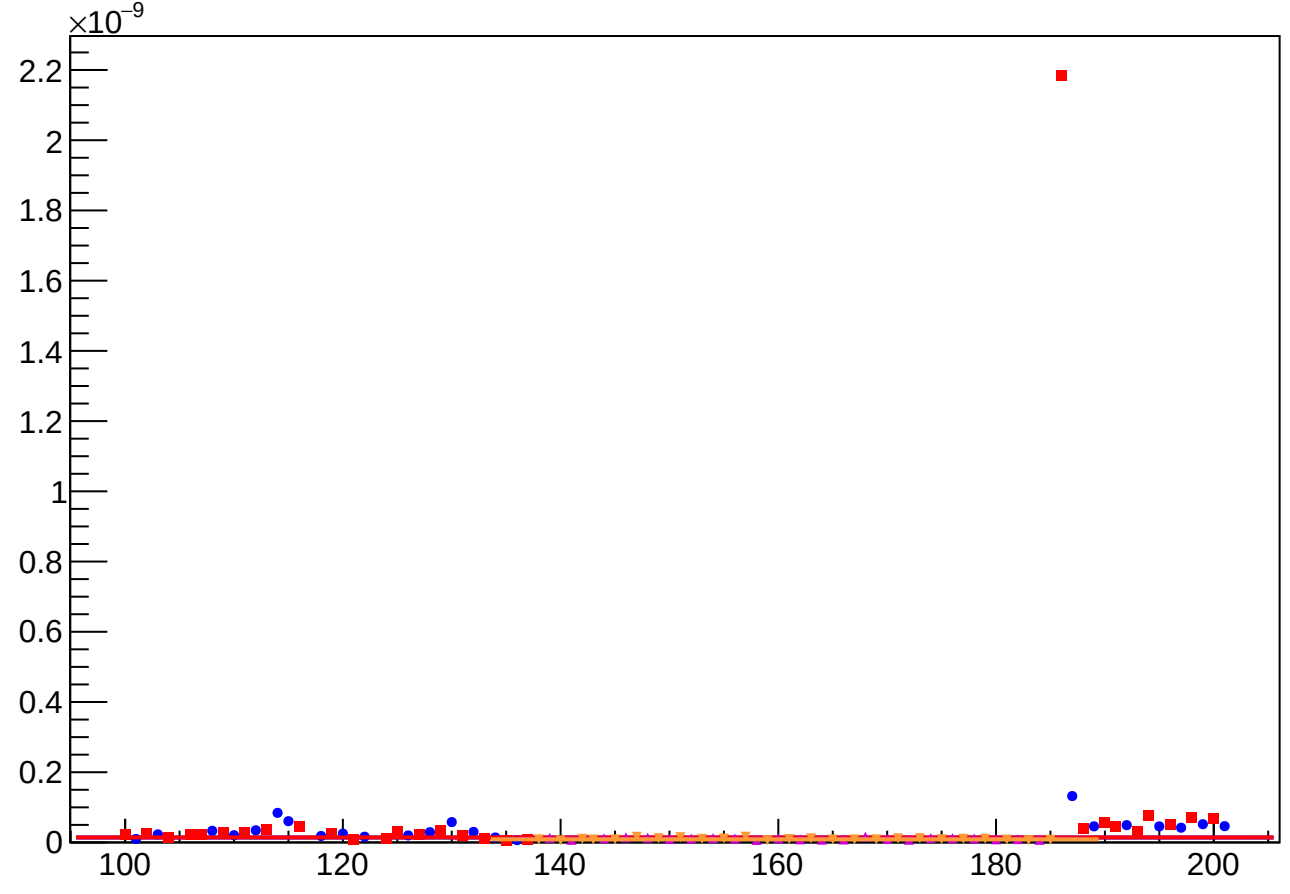
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/27

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: 95.5/98

- sign -0.000+/-0.000 χ^2/NDF: 41.3/50



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: 5851848.0/27

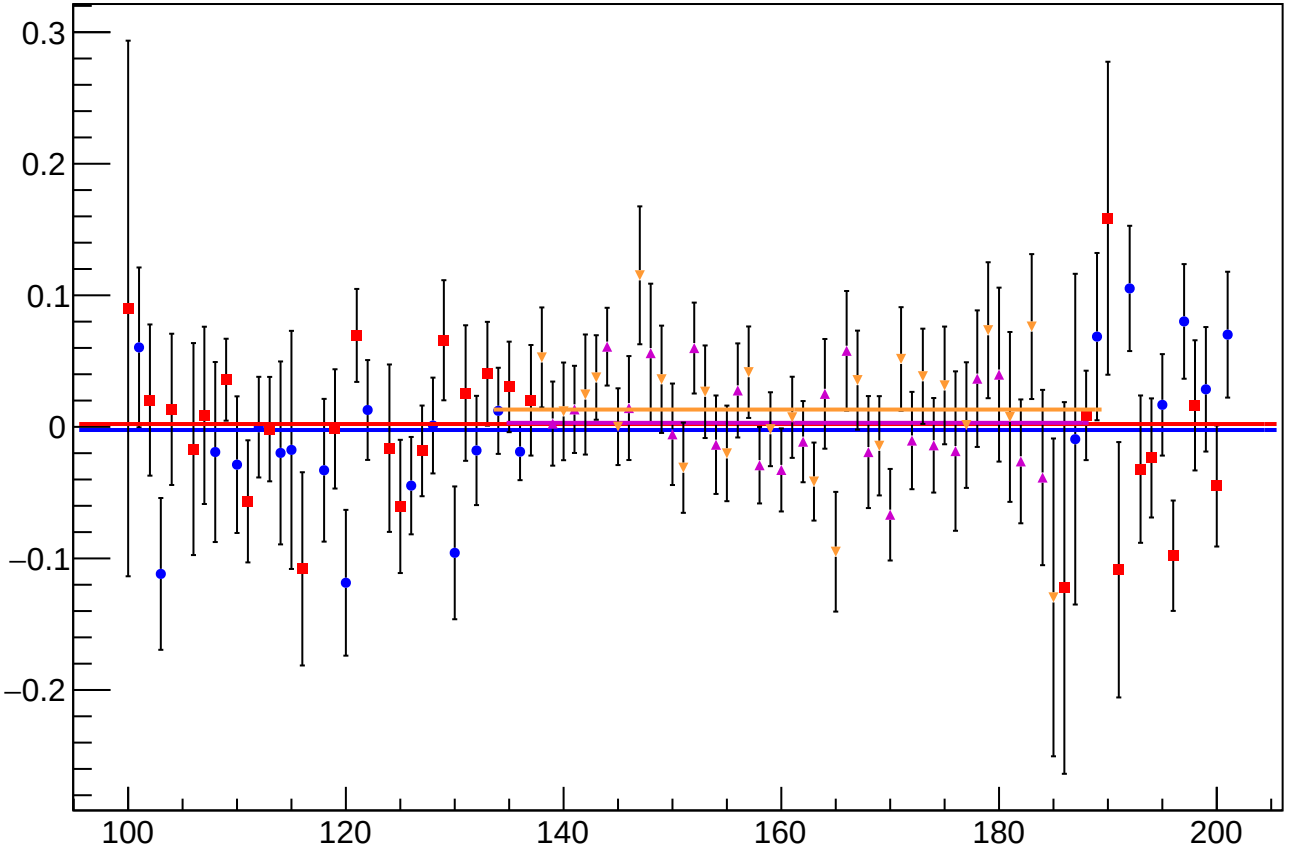
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6743607.5/47

All: 0.000+/-0.000 χ^2/NDF: 13865928.5/98

- sign 0.000+/-0.000 χ^2/NDF: 6983175.1/50

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: 0.002+/-0.009 χ^2/NDF: 26.3/27

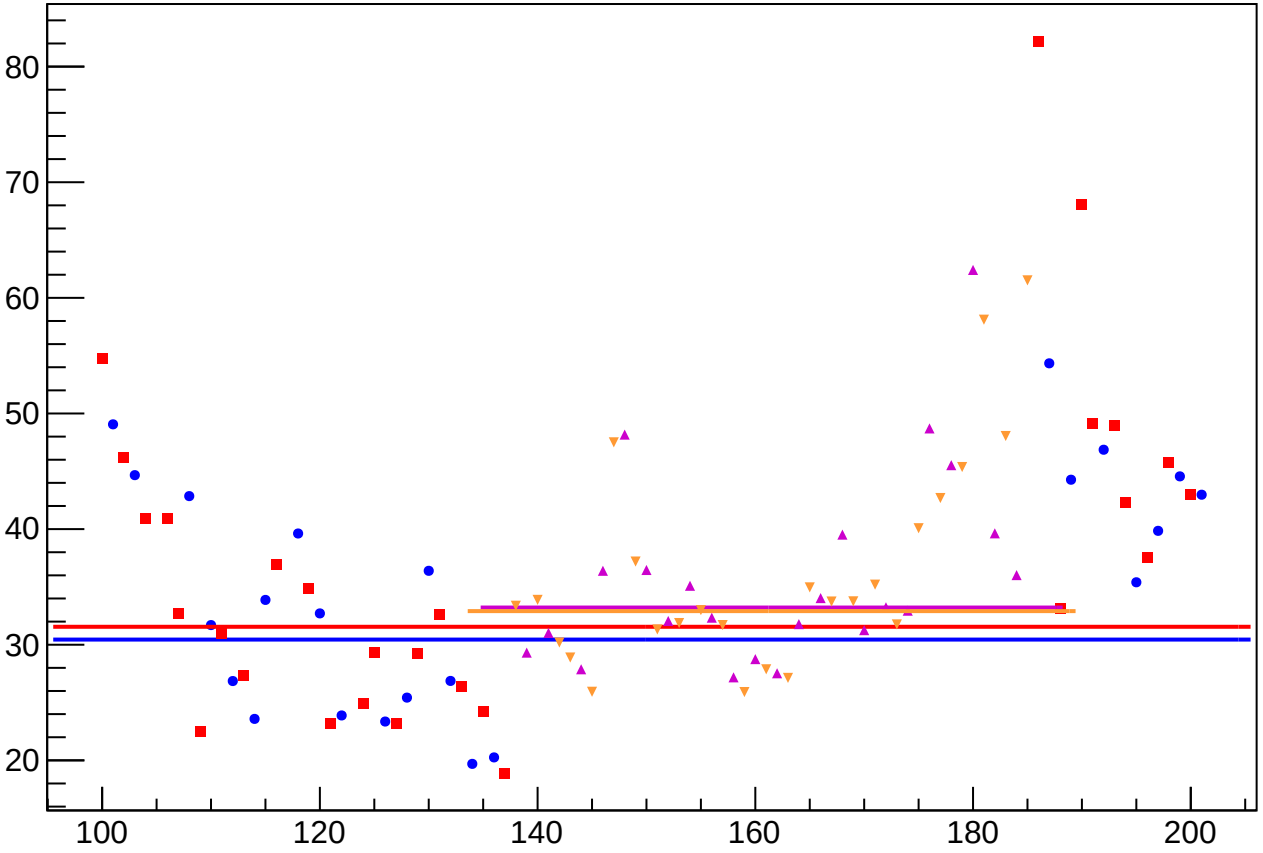
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 55.6/47

All: 0.005+/-0.004 χ^2/NDF: 101.4/98

- sign 0.003+/-0.006 χ^2/NDF: 45.5/50

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

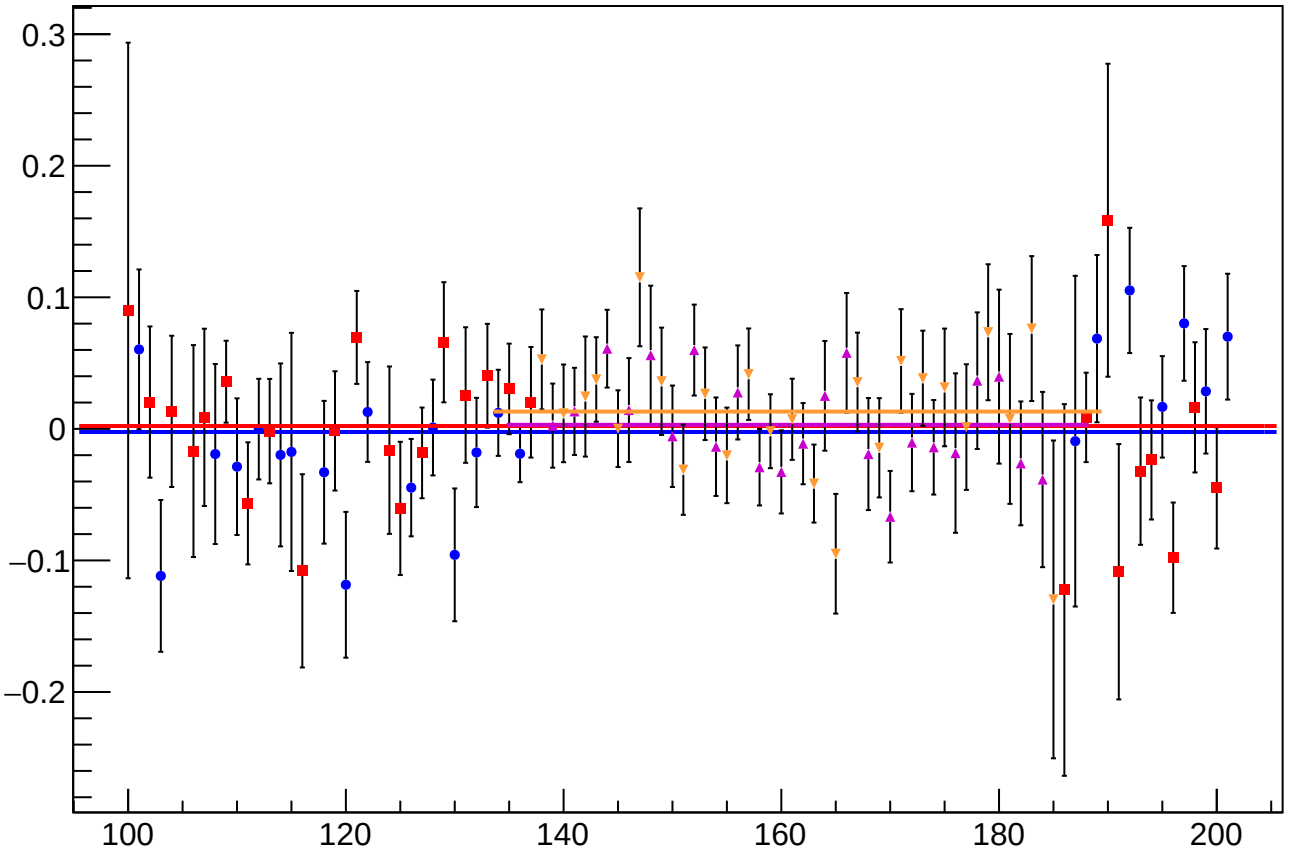
Right Out: 31.553+/-0.006 χ^2/NDF: 2166023.8/27

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.893+/-0.004 χ^2/NDF: 3708664.0/47

All: 32.186+/-0.003 χ^2/NDF: 7144498.8/98

- sign 32.486+/-0.004 χ^2/NDF: 3425817.4/50



Right In: -0.002+/-0.009 χ^2/NDF: 28.5/22

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

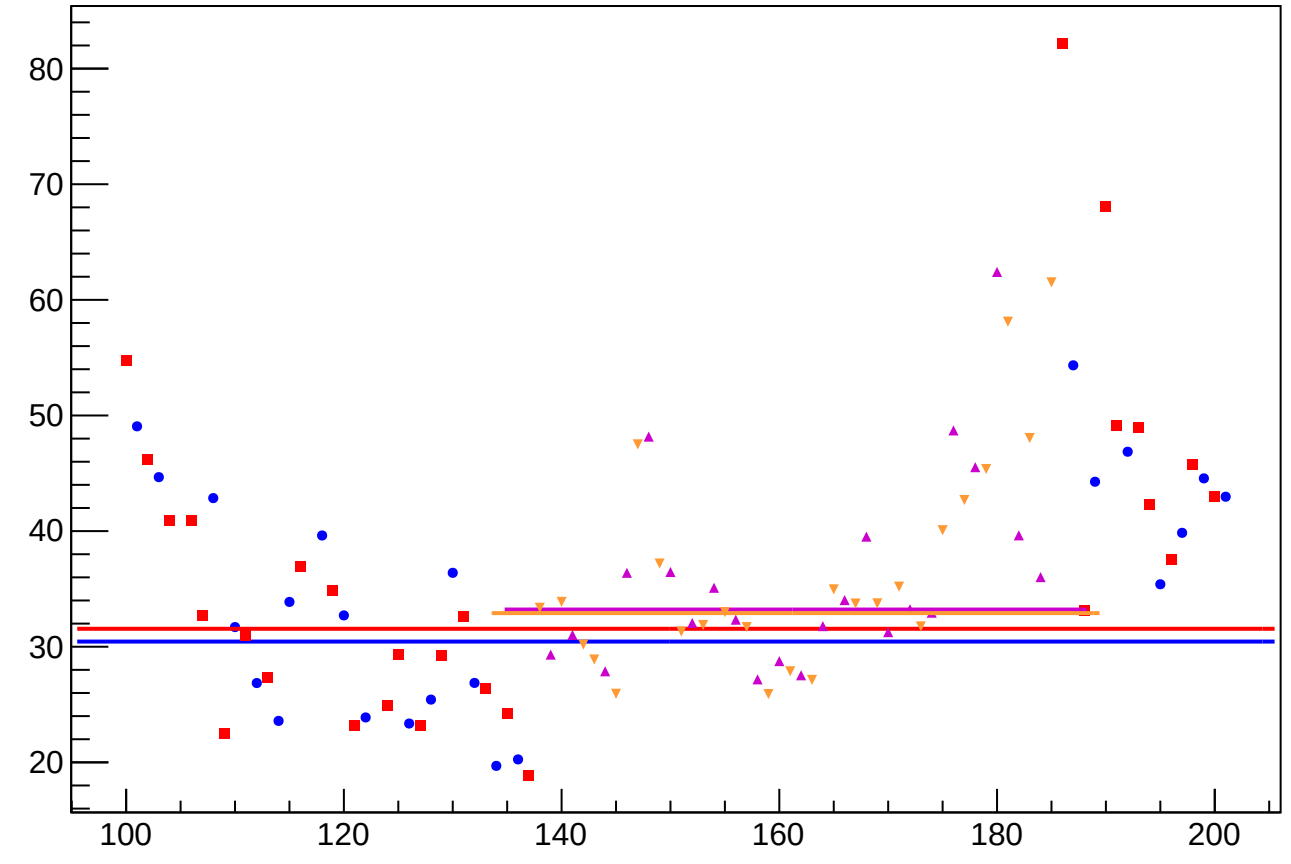
Right Out: 0.002+/-0.009 χ^2/NDF: 26.3/27

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: 101.4/98

- sign 0.003+/-0.006 χ^2/NDF: 45.5/50



Right In: 30.446+/-0.006 χ^2/NDF: 2196076.6/22

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

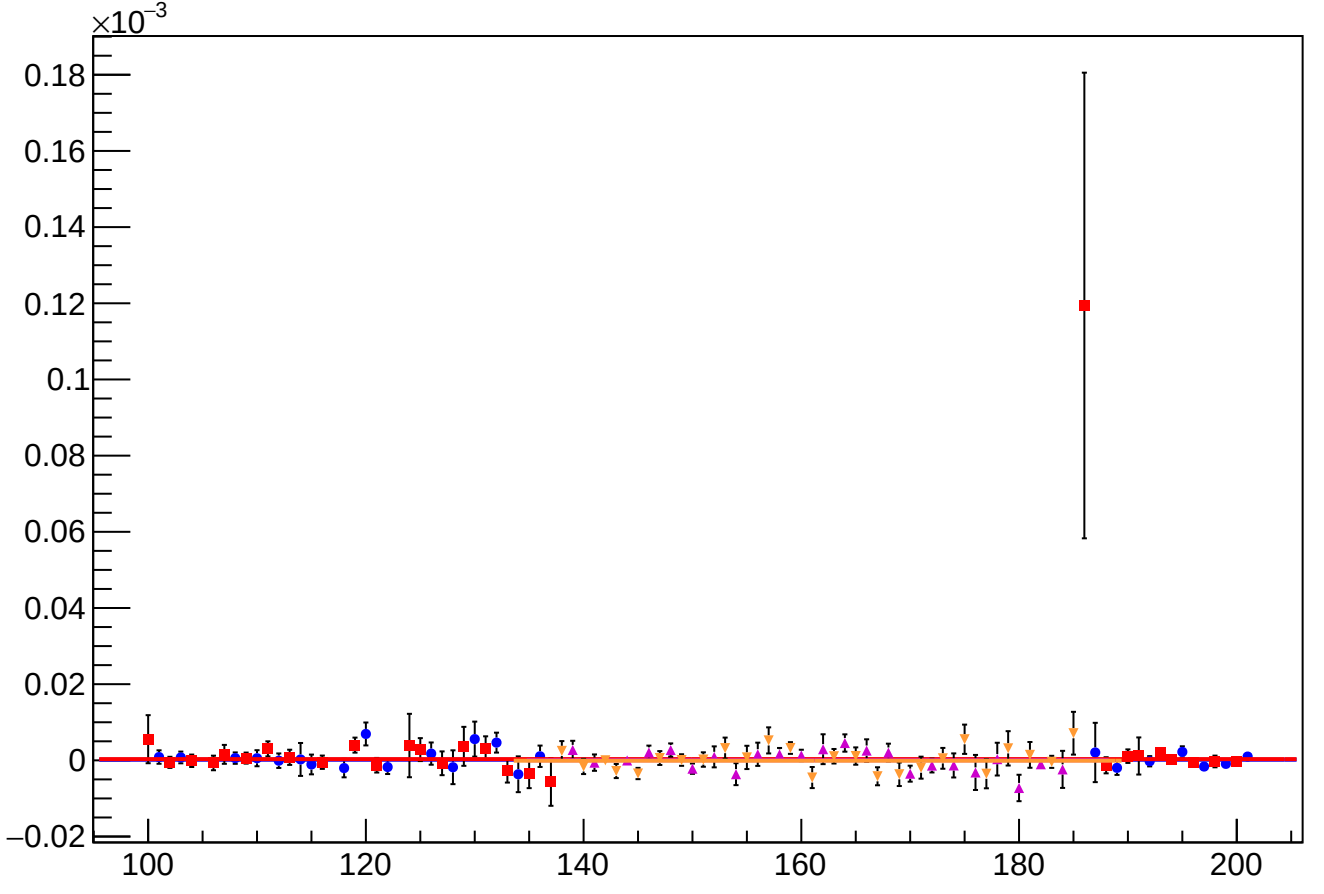
Right Out: 31.553+/-0.006 χ^2/NDF: 2166023.8/27

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.893+/-0.004 χ^2/NDF: 3708664.0/47

All: 32.186+/-0.003 χ^2/NDF: 7144498.8/98

- sign 32.486+/-0.004 χ^2/NDF: 3425817.4/50



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: 21.1/27

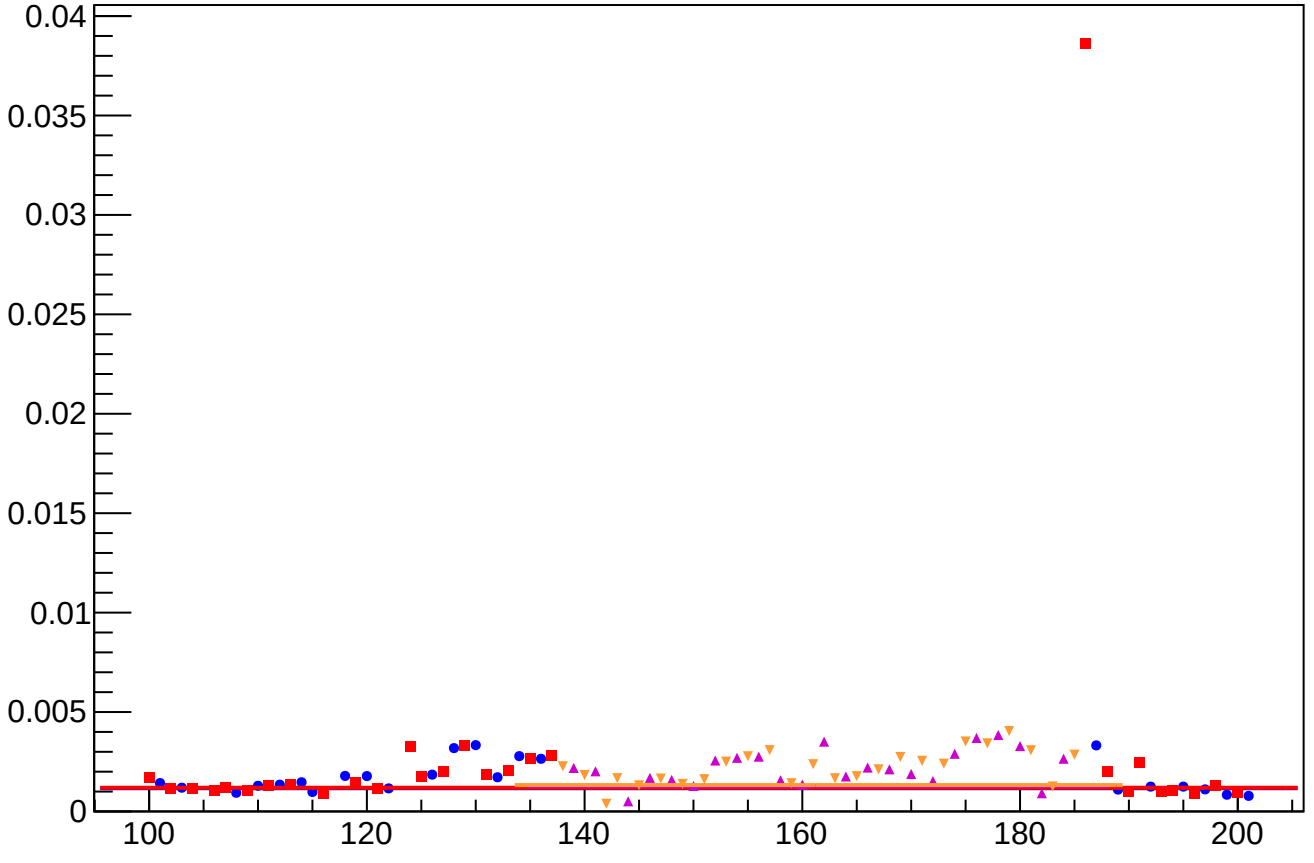
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/47

All: 0.000+/-0.000 χ^2/NDF: 100.9/98

- sign 0.000+/-0.000 χ^2/NDF: 48.4/50

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

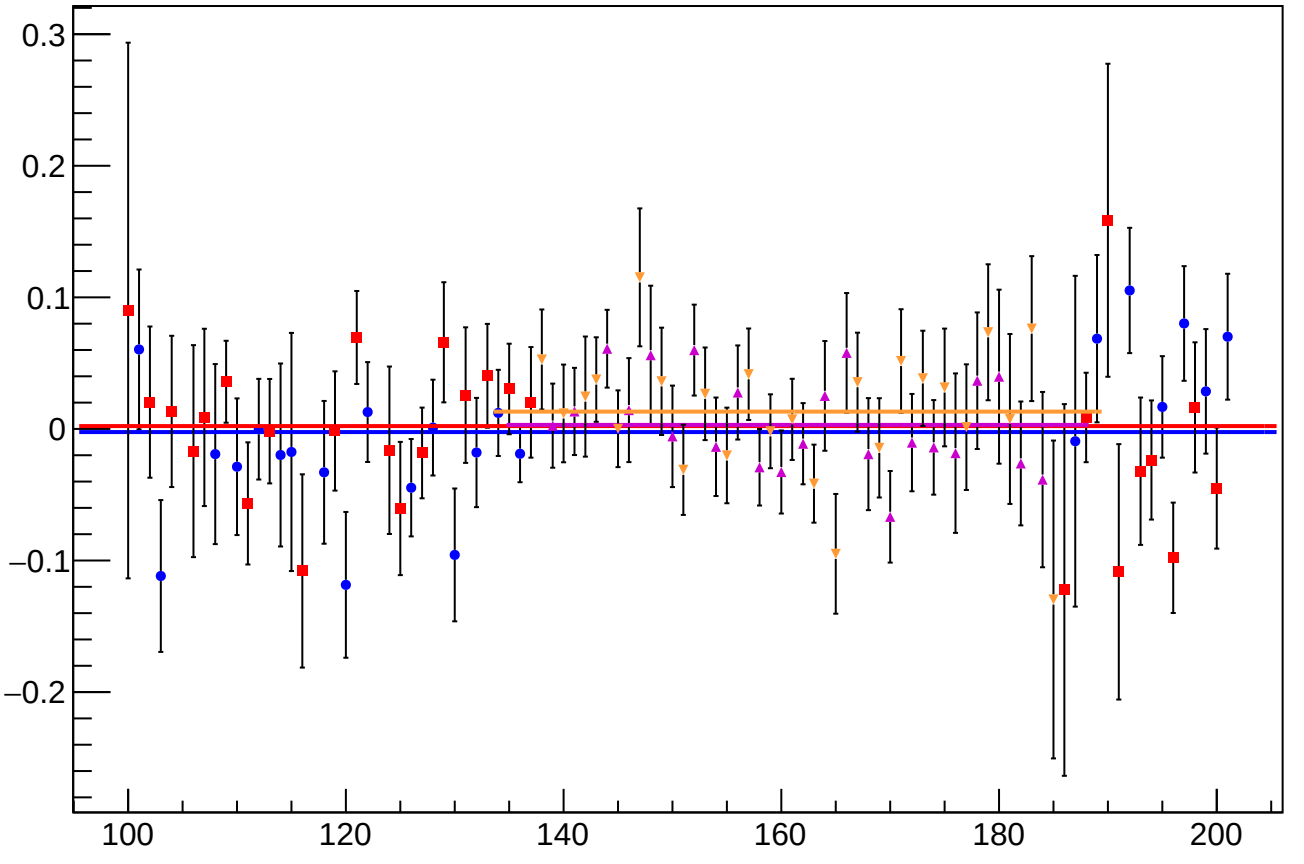
Right Out: 0.001+/-0.000 χ^2/NDF: 3129294.4/27

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: 27434959.6/98

- sign 0.001+/-0.000 χ^2/NDF: 13061534.0/50



Right In: -0.002+/-0.009 χ^2/NDF: 28.5/22

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

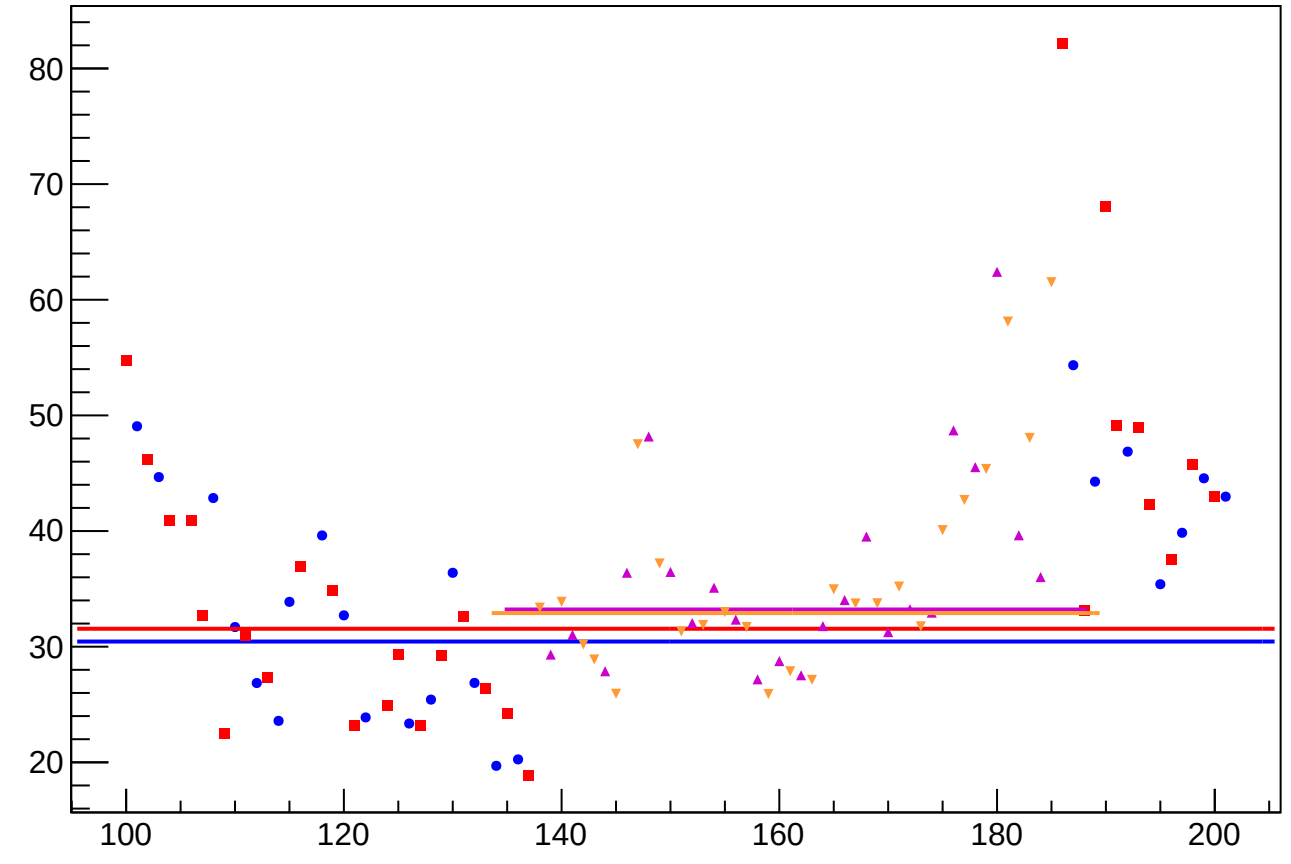
Right Out: 0.002+/-0.009 χ^2/NDF: 26.3/27

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: 101.3/98

- sign 0.003+/-0.006 χ^2/NDF: 45.5/50



Right In: 30.445+/-0.006 χ^2/NDF: 2196261.6/22

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

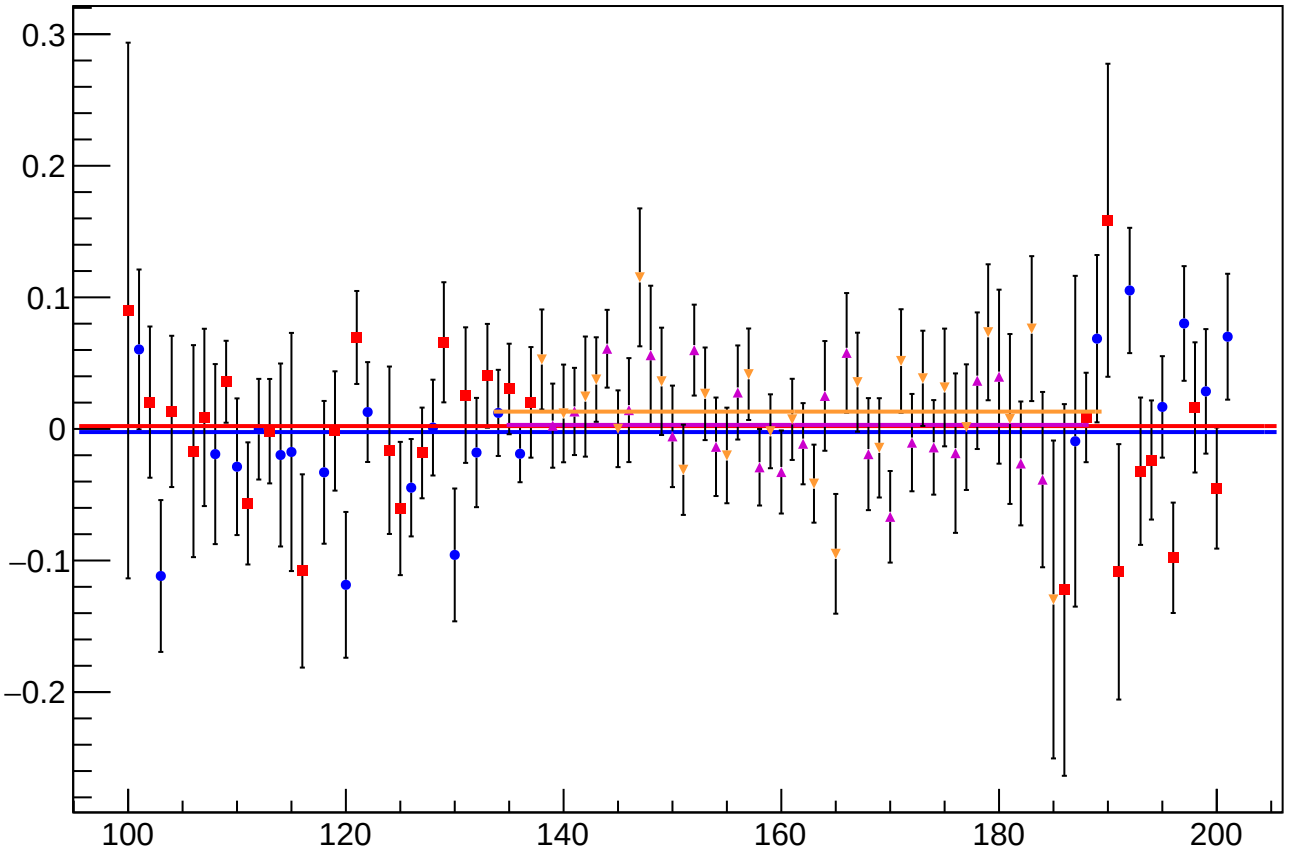
Right Out: 31.552+/-0.006 χ^2/NDF: 2166298.2/27

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

\+ sign 31.893+/-0.004 χ^2/NDF: 3708971.2/47

All: 32.185+/-0.003 χ^2/NDF: 7145201.3/98

\- sign 32.486+/-0.004 χ^2/NDF: 3426216.1/50



Right In: -0.002+/-0.009 χ^2/NDF: 28.5/22

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

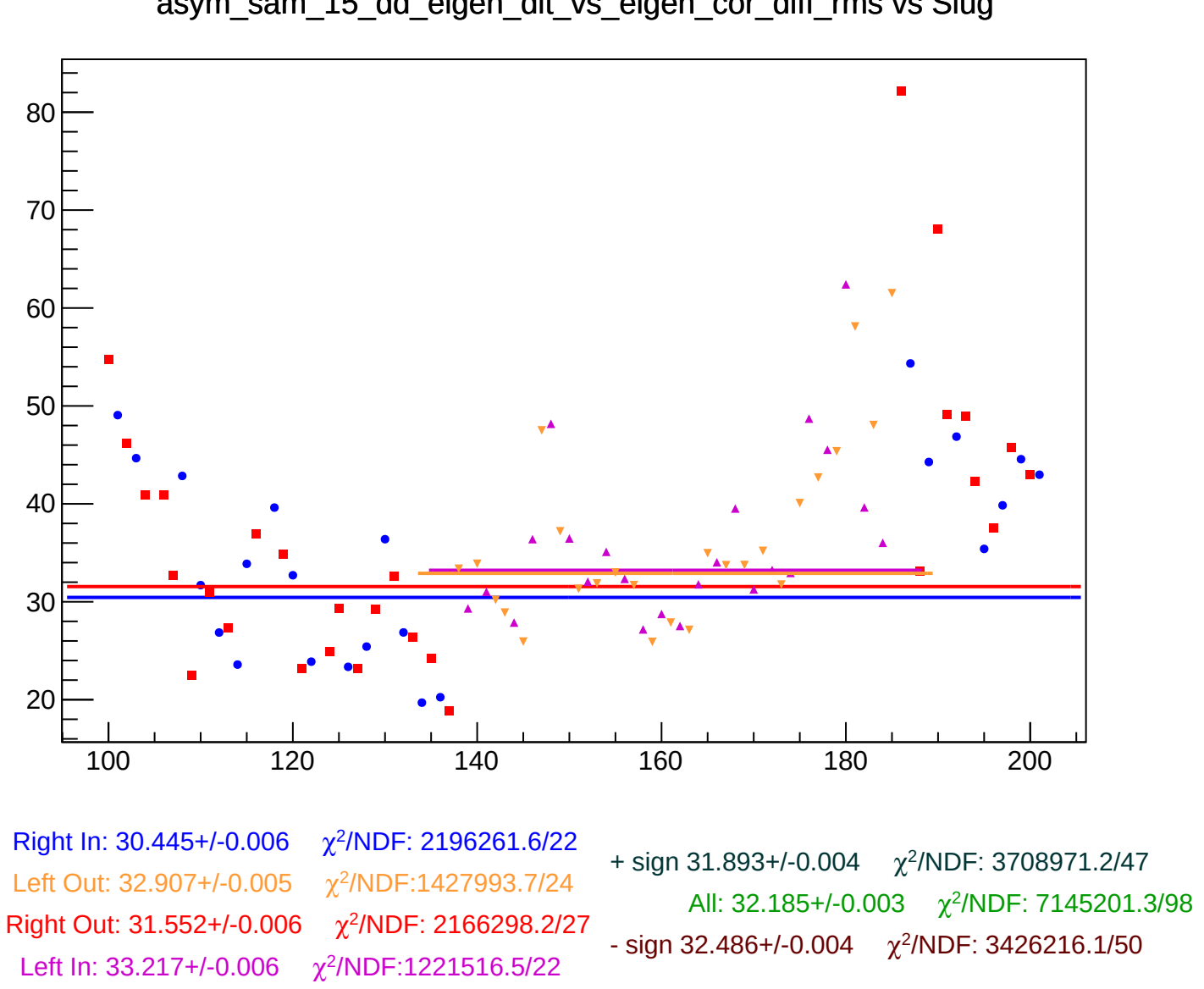
Right Out: 0.002+/-0.009 χ^2/NDF: 26.3/27

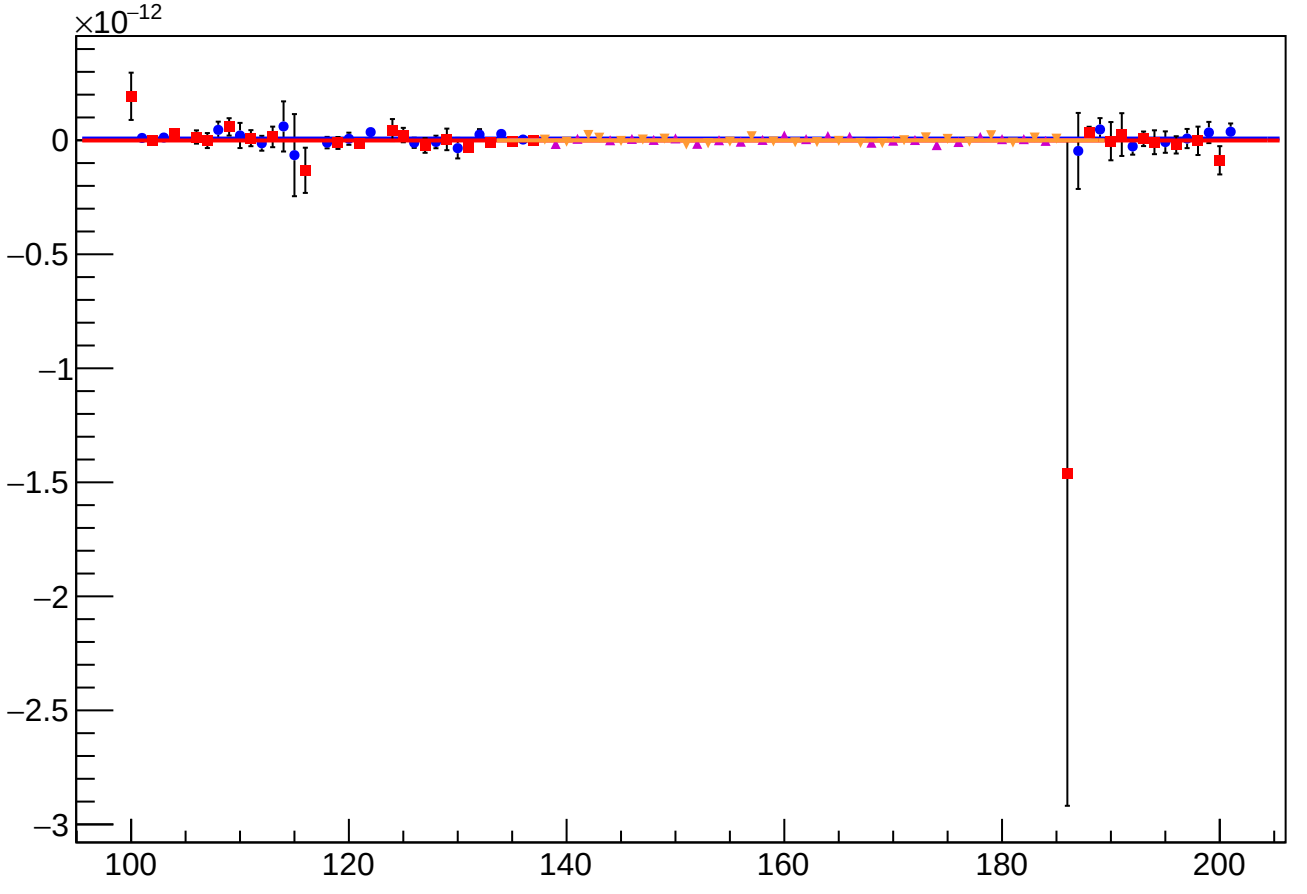
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 55.6/47

All: 0.005+/-0.004 χ^2/NDF: 101.3/98

- sign 0.003+/-0.006 χ^2/NDF: 45.5/50


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 30.445+/-0.006 χ²/NDF: 2196261.6/22
Left Out: 32.907+/-0.005 χ²/NDF:1427993.7/24
Right Out: 31.552+/-0.006 χ²/NDF: 2166298.2/27
Left In: 33.217+/-0.006 χ²/NDF:1221516.5/22
+ sign 31.893+/-0.004 χ²/NDF: 3708971.2/47
All: 32.185+/-0.003 χ²/NDF: 7145201.3/98
- sign 32.486+/-0.004 χ²/NDF: 3426216.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

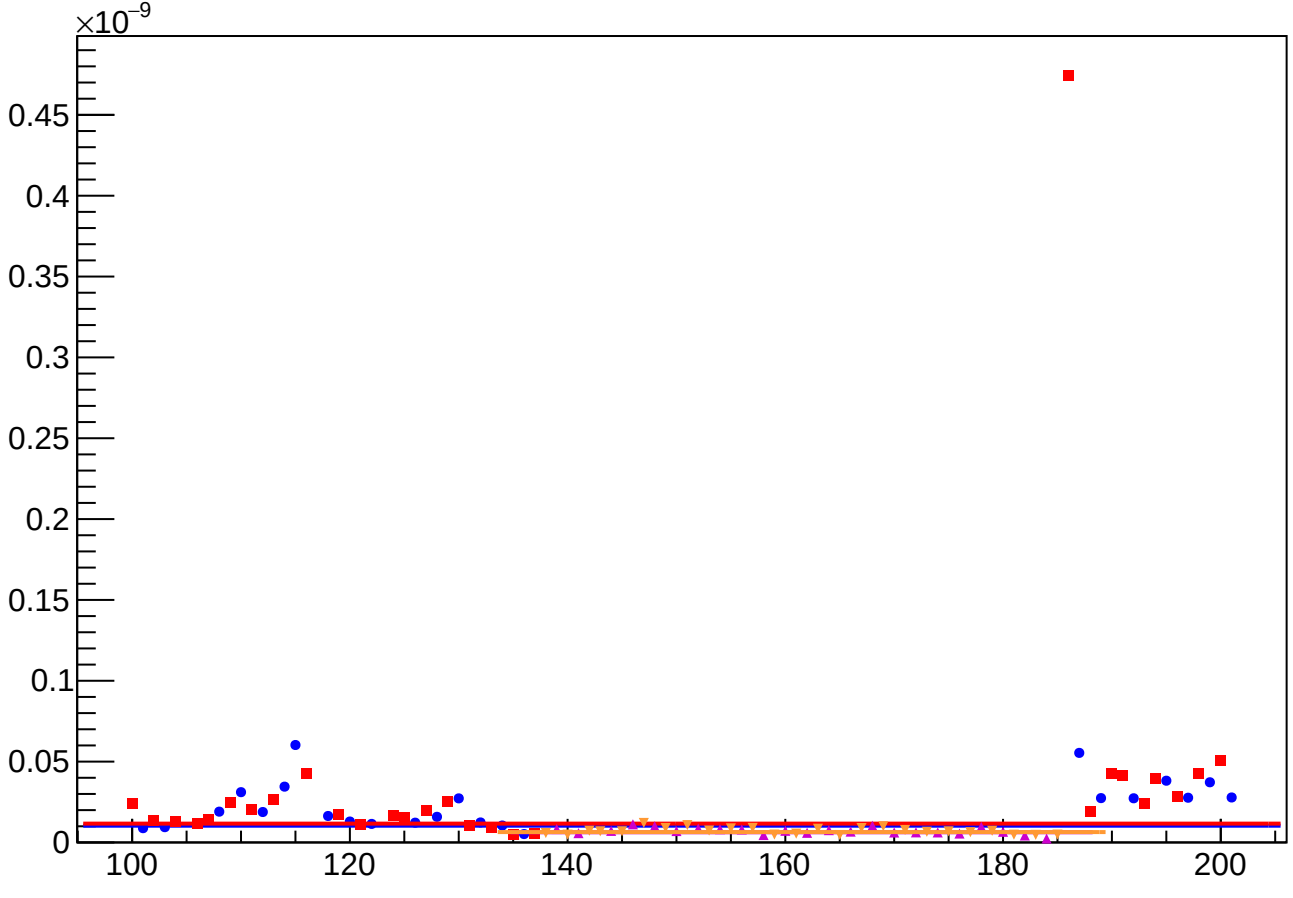
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/27

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: 90.5/98

- sign 0.000+/-0.000 χ^2/NDF: 45.7/50



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: 6289935.0/27

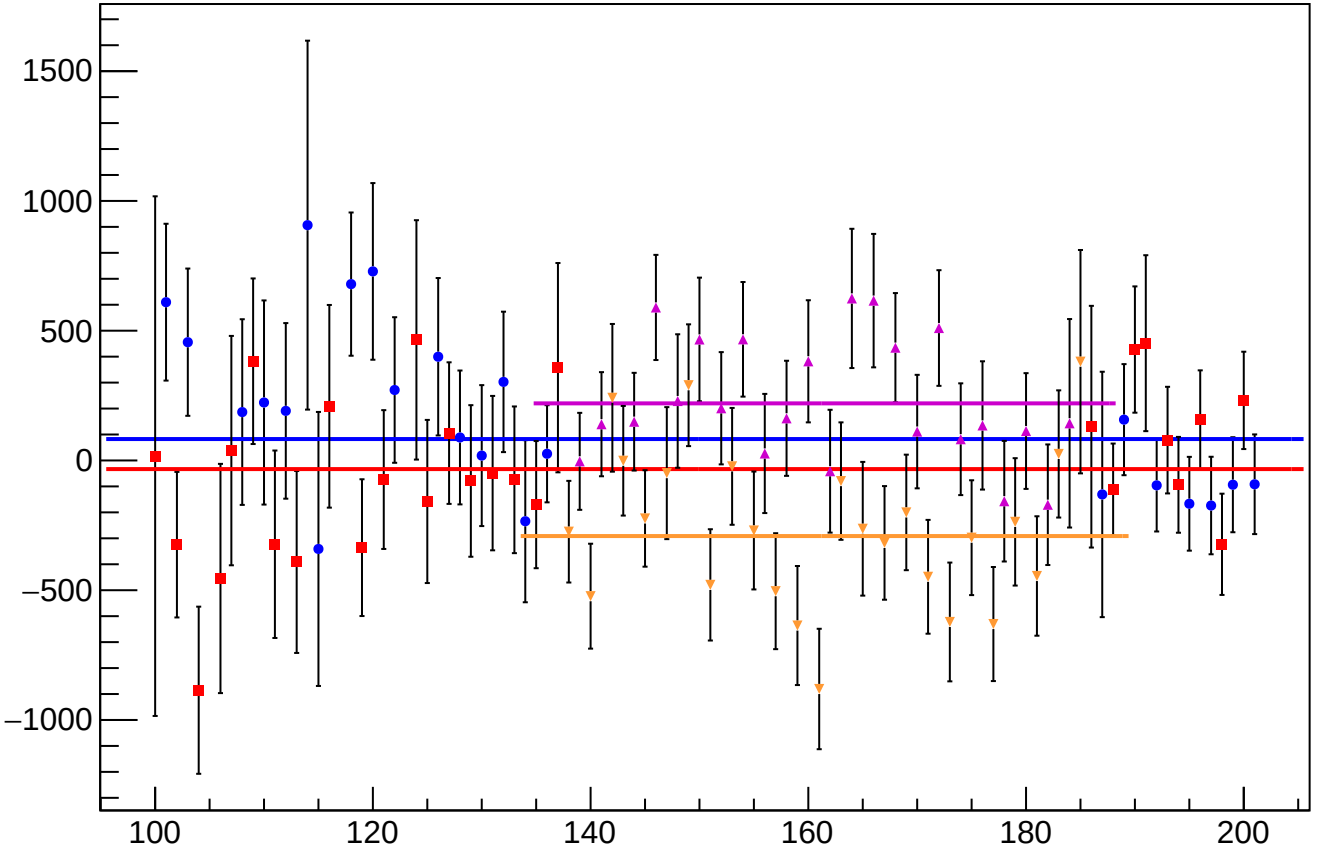
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8839096.7/47

All: 0.000+/-0.000 χ^2/NDF: 19480610.9/98

- sign 0.000+/-0.000 χ^2/NDF: 10640536.8/50

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: -33.246+/-51.429 χ^2/NDF: 28.6/27

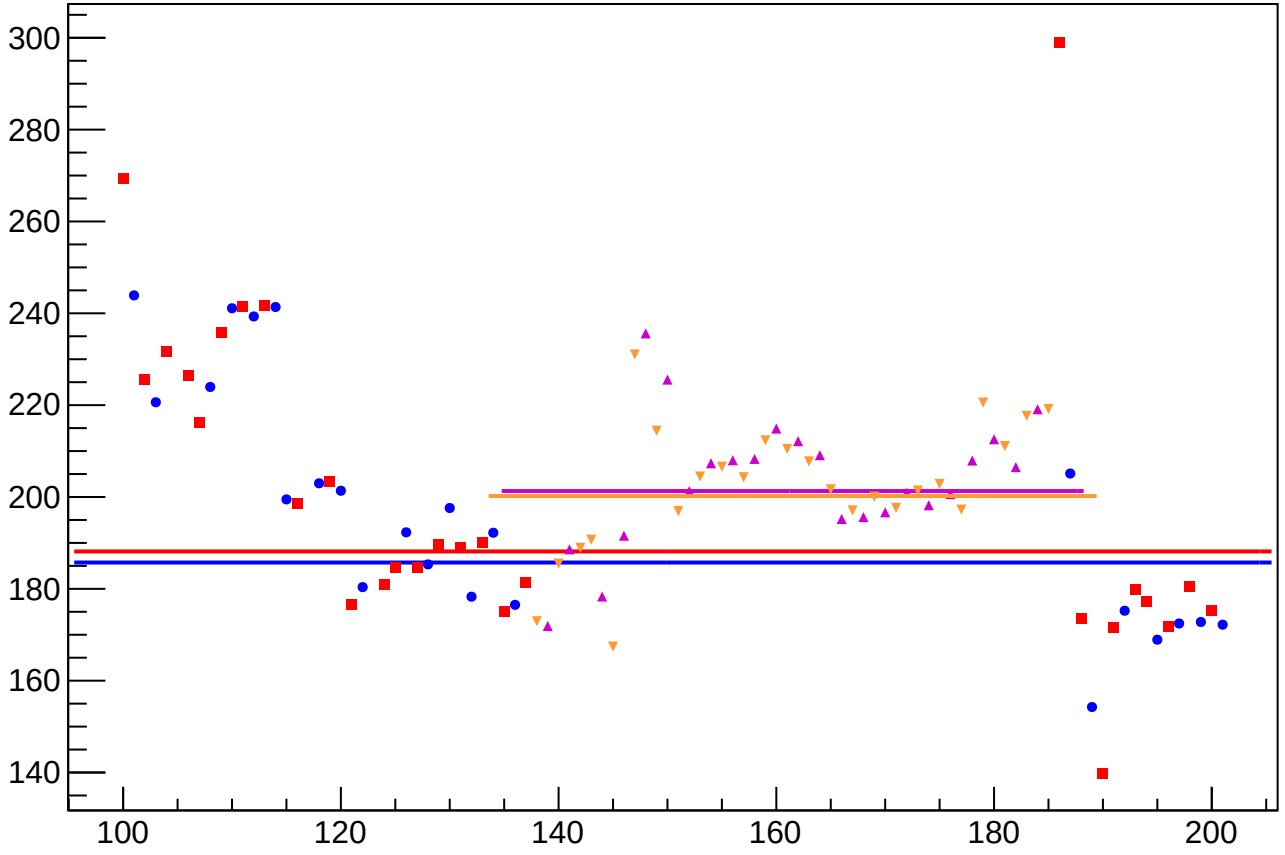
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -133.229+/-34.651 χ^2/NDF: 90.4/47

All: -14.788+/-24.538 χ^2/NDF: 179.3/98

- sign 104.347+/-34.753 χ^2/NDF: 65.5/50

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: 188.144+/-0.036 χ^2/NDF: 510460.6/27

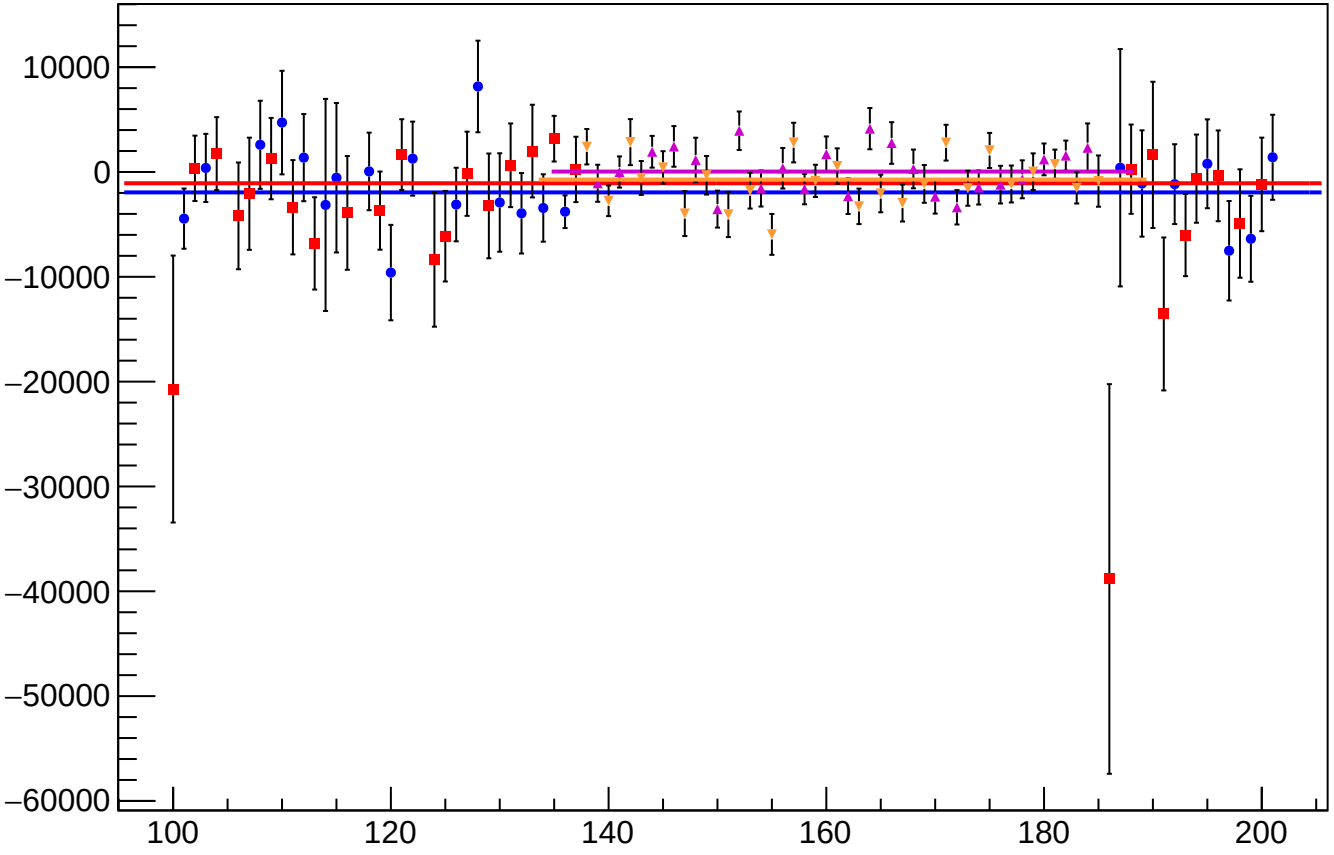
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 194.086+/-0.025 χ^2/NDF: 645891.6/47

All: 194.687+/-0.017 χ^2/NDF: 1410291.1/98

- sign 195.291+/-0.025 χ^2/NDF: 763194.2/50

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: -1074.883+/-792.274 χ^2/NDF: 24.4/27

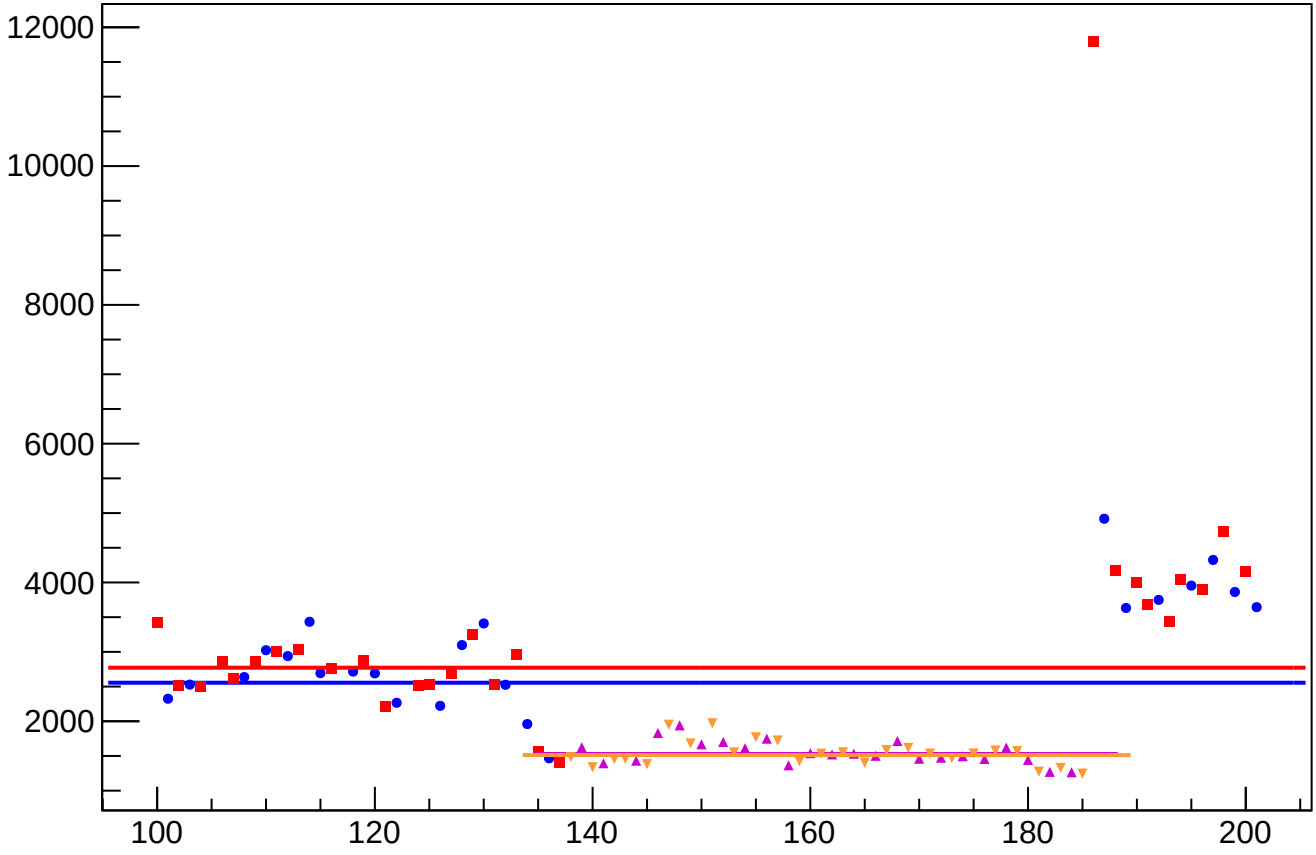
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -927.516+/-315.821 χ^2/NDF: 60.4/47

All: -552.870+/-227.234 χ^2/NDF: 123.8/98

- sign -150.749+/-327.196 χ^2/NDF: 60.5/50

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: 2771.794+/-0.560 χ^2/NDF: 2783103.4/27

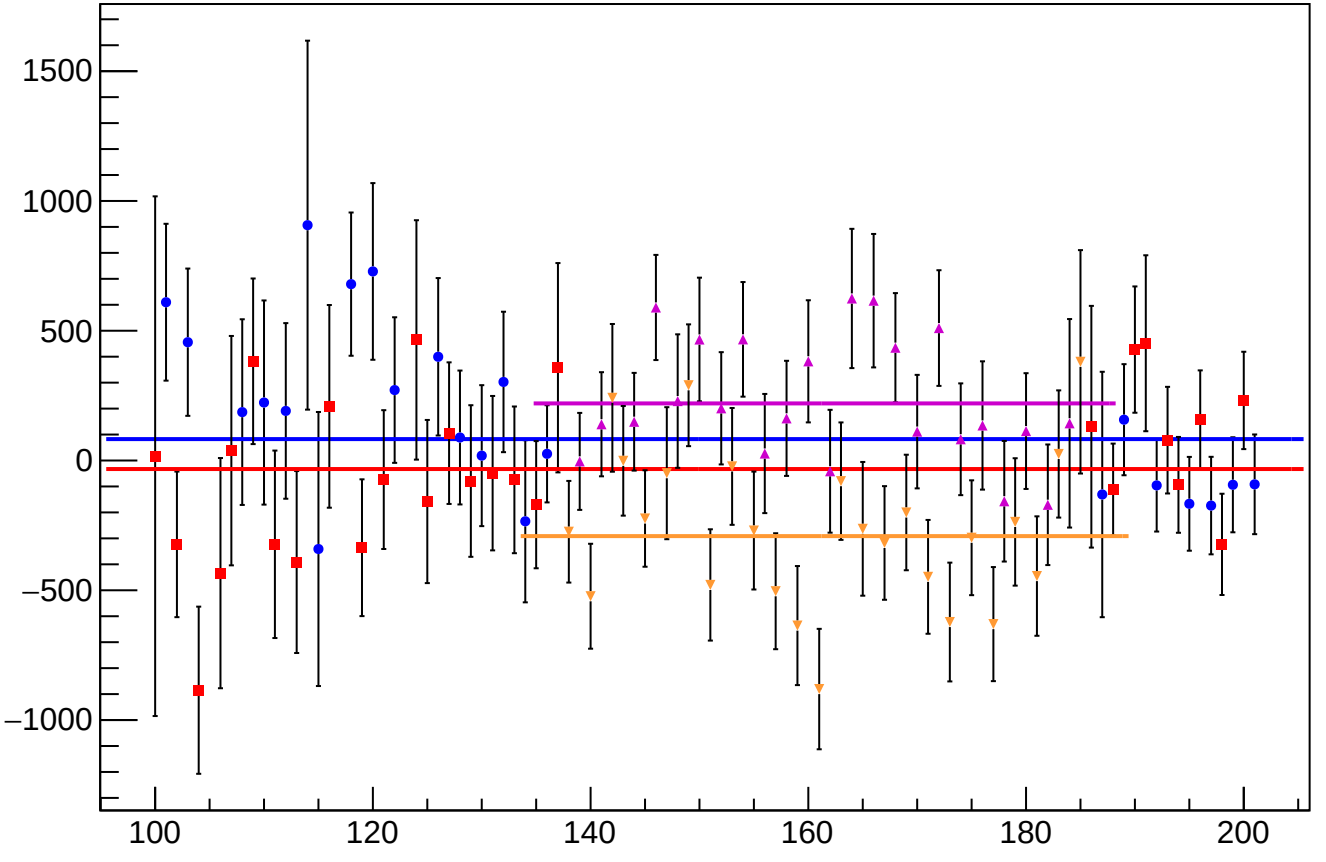
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1688.252+/-0.223 χ^2/NDF: 5954608.4/47

All: 1713.262+/-0.161 χ^2/NDF: 13226290.9/9

- sign 1740.106+/-0.231 χ^2/NDF: 7245677.7/50

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: -32.857+/-51.433 χ^2/NDF: 28.4/27

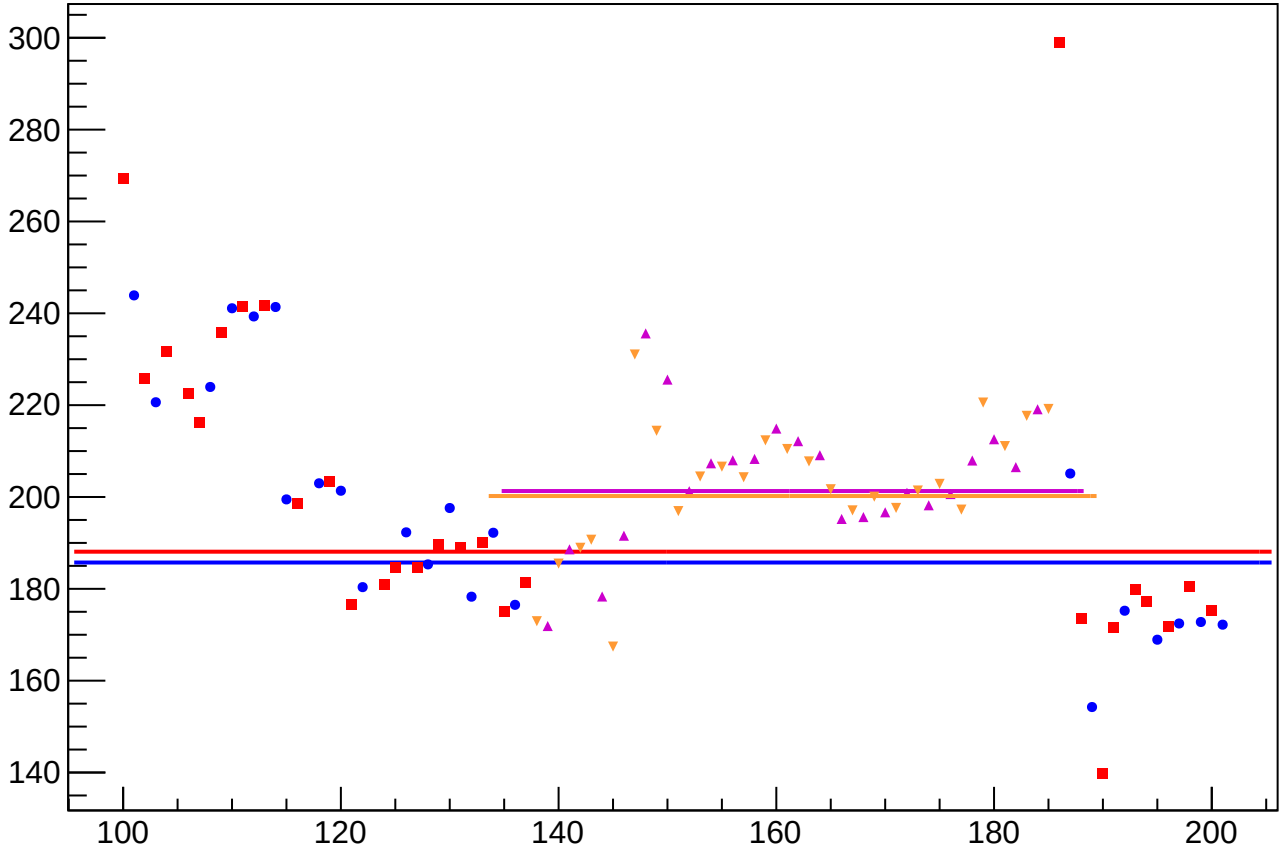
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -133.232+/-34.651 χ^2/NDF: 90.4/47

All: -14.698+/-24.538 χ^2/NDF: 179.1/98

- sign 104.538+/-34.754 χ^2/NDF: 65.3/50

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: 188.088+/-0.036 χ^2/NDF: 507530.9/27

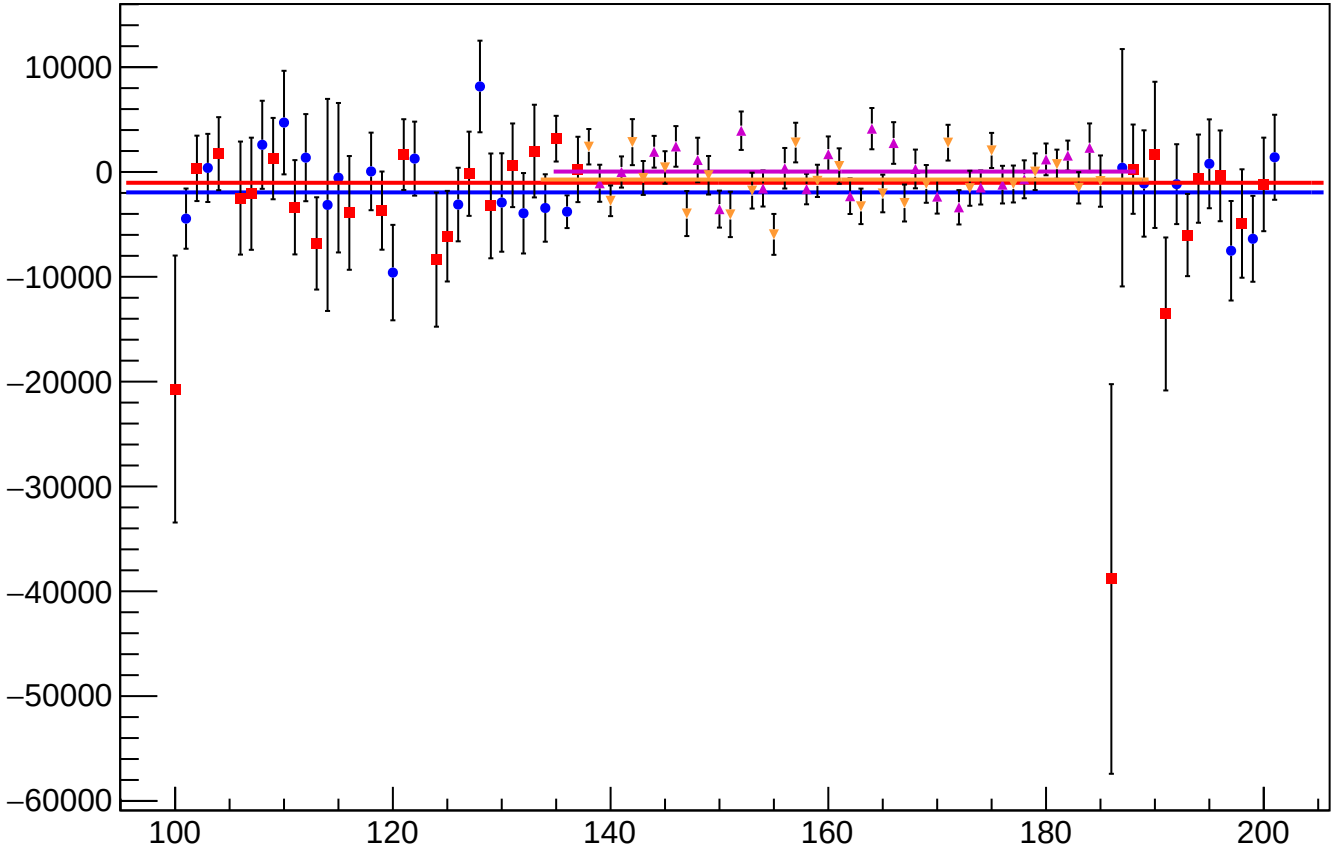
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 194.086+/-0.025 χ^2/NDF: 645892.1/47

All: 194.675+/-0.017 χ^2/NDF: 1407910.4/98

- sign 195.266+/-0.025 χ^2/NDF: 760862.6/50

asym_sam_26_dd_cor_correction_mean vs Slug



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: -1030.082+/-793.338 χ^2/NDF: 24.1/27

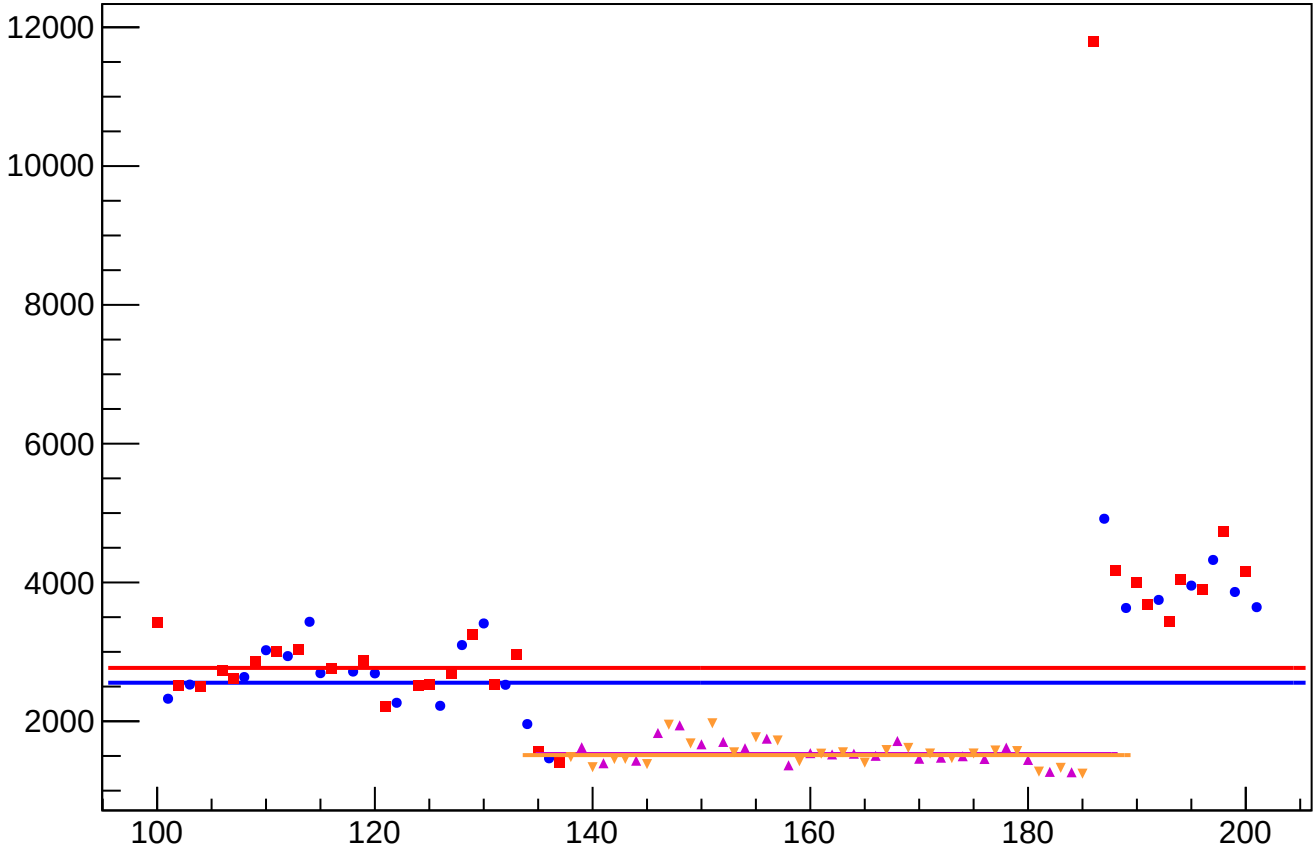
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -927.514+/-315.821 χ^2/NDF: 60.4/47

All: -549.079+/-227.259 χ^2/NDF: 123.4/98

- sign -142.705+/-327.271 χ^2/NDF: 60.0/50

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: 2768.666+/-0.561 χ^2/NDF: 2782379.9/27

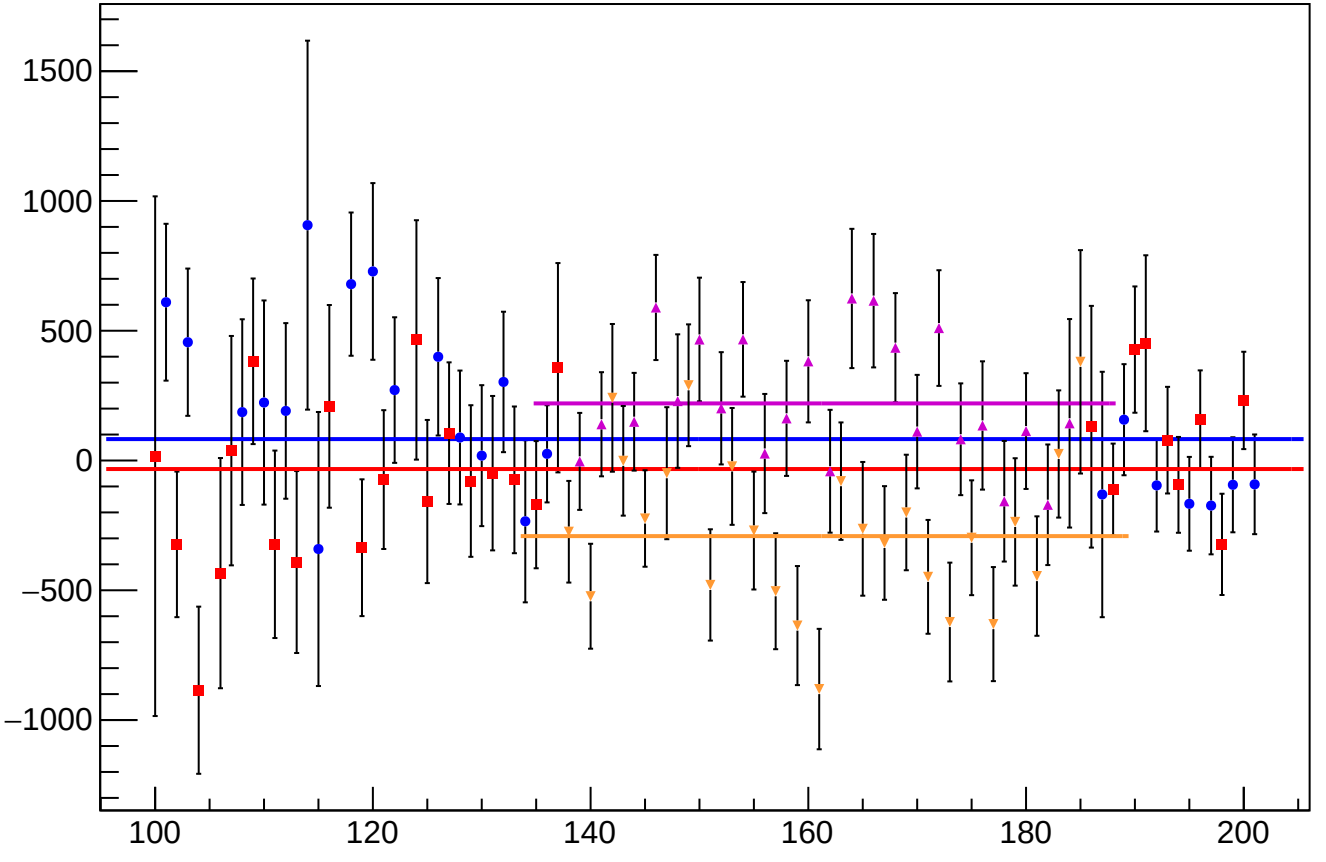
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1688.252+/-0.223 χ^2/NDF: 5954621.1/47

All: 1712.772+/-0.161 χ^2/NDF: 13194989.5/9

- sign 1739.103+/-0.231 χ^2/NDF: 7215367.0/50

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: -32.857+/-51.433 χ^2/NDF: 28.4/27

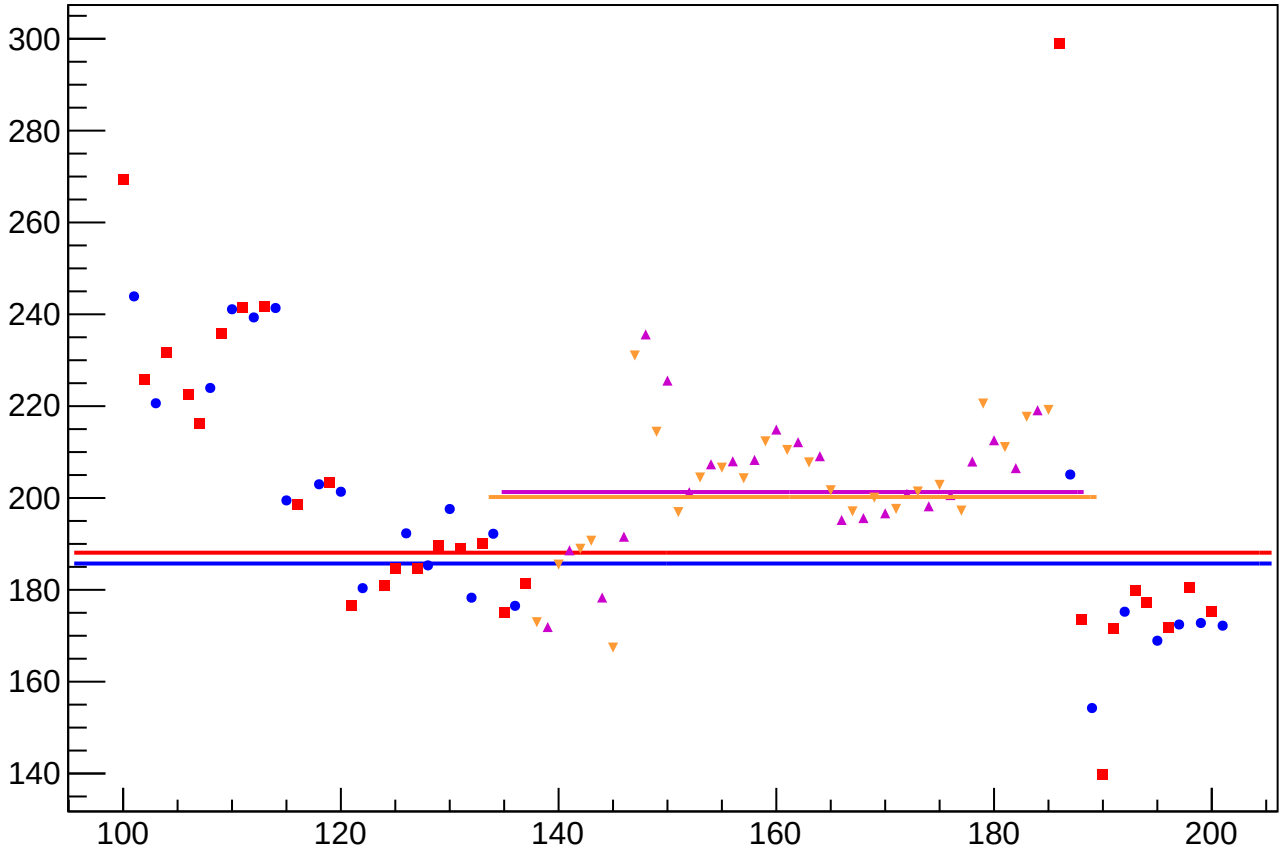
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -133.232+/-34.651 χ^2/NDF: 90.4/47

All: -14.698+/-24.538 χ^2/NDF: 179.1/98

- sign 104.538+/-34.754 χ^2/NDF: 65.3/50

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

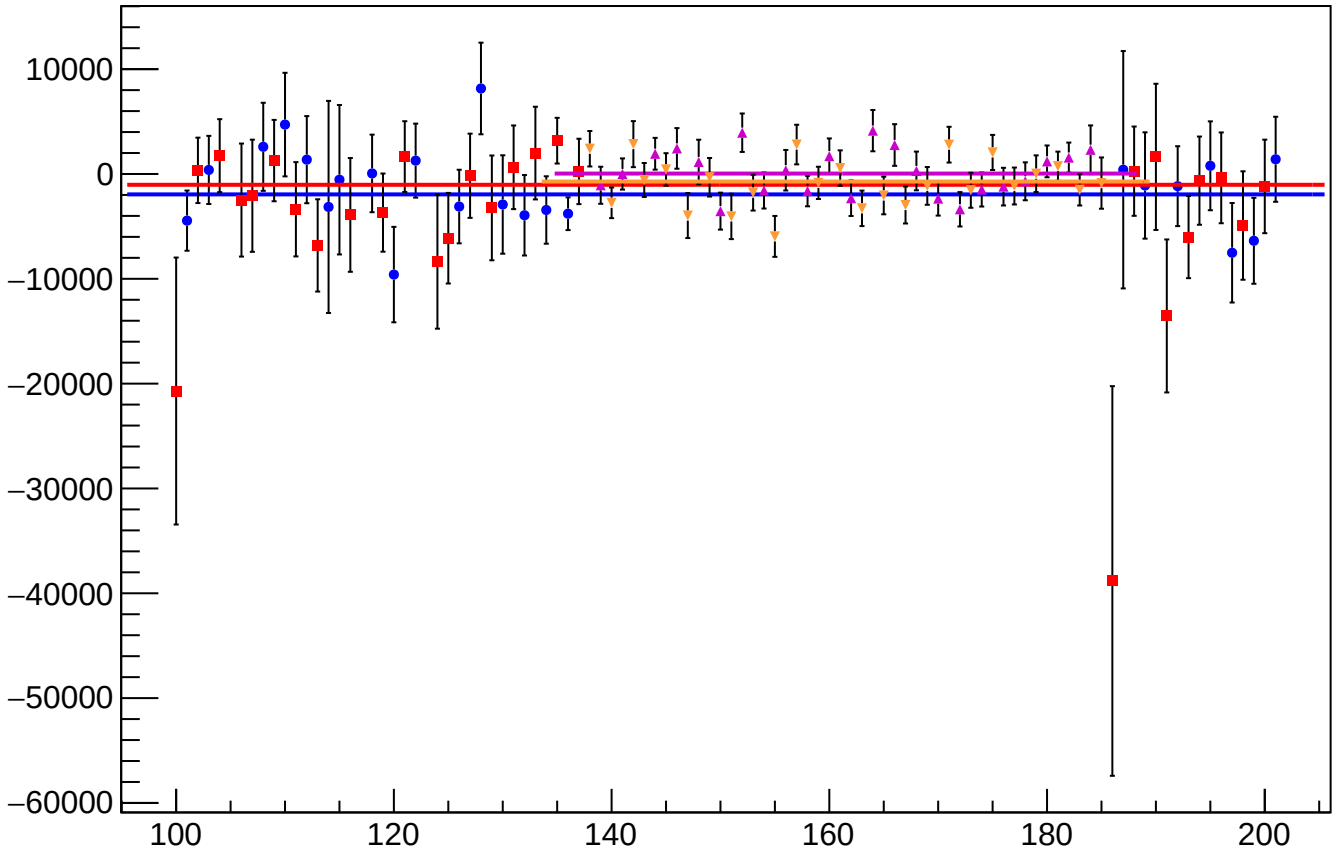
Right Out: 188.088+/-0.036 χ^2/NDF: 507530.9/27

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 194.086+/-0.025 χ^2/NDF: 645892.1/47

All: 194.675+/-0.017 χ^2/NDF: 1407910.4/98

- sign 195.266+/-0.025 χ^2/NDF: 760862.6/50



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: -1030.082+/-793.338 χ^2/NDF: 24.1/27

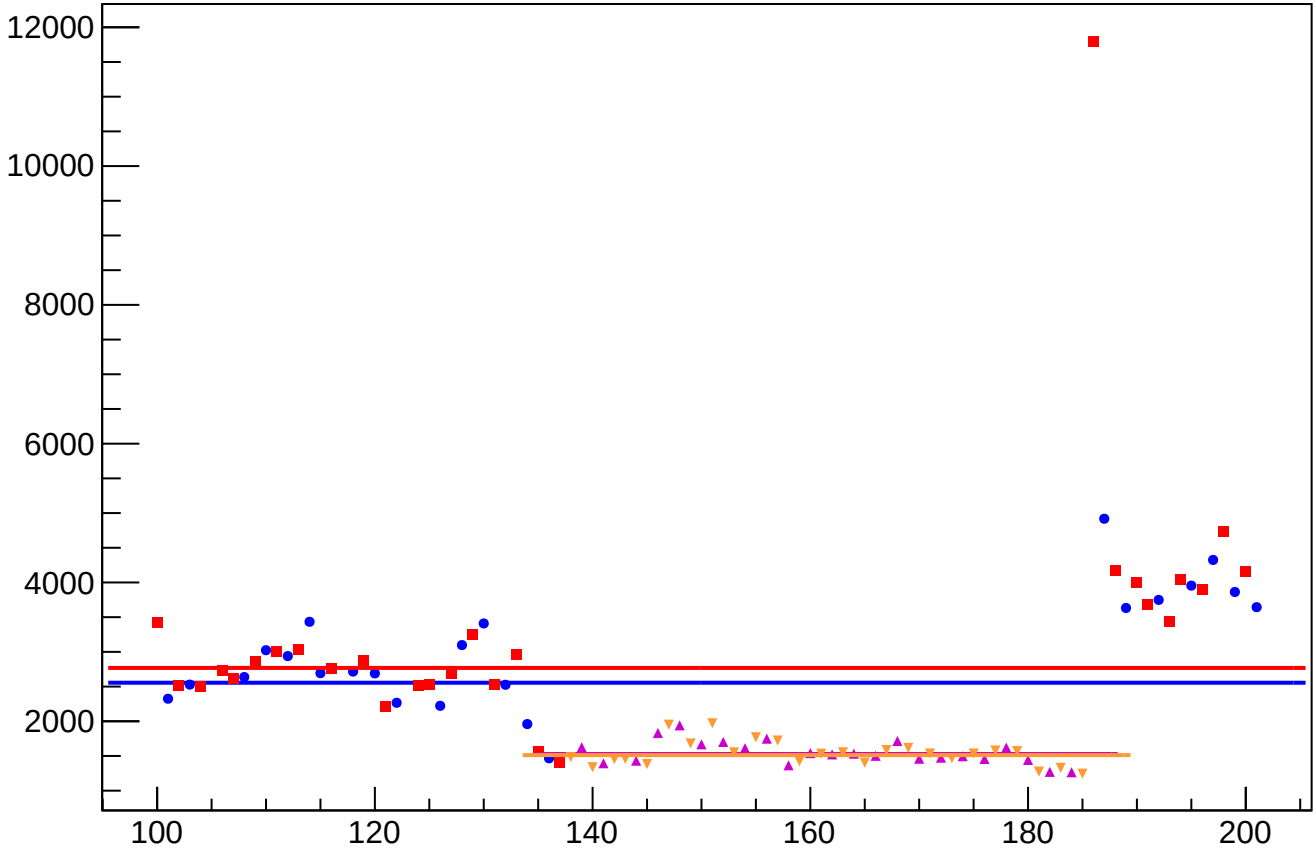
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -927.514+/-315.821 χ^2/NDF: 60.4/47

All: -549.079+/-227.259 χ^2/NDF: 123.4/98

- sign -142.705+/-327.271 χ^2/NDF: 60.0/50

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: 2768.666+/-0.561 χ^2/NDF: 2782379.9/27

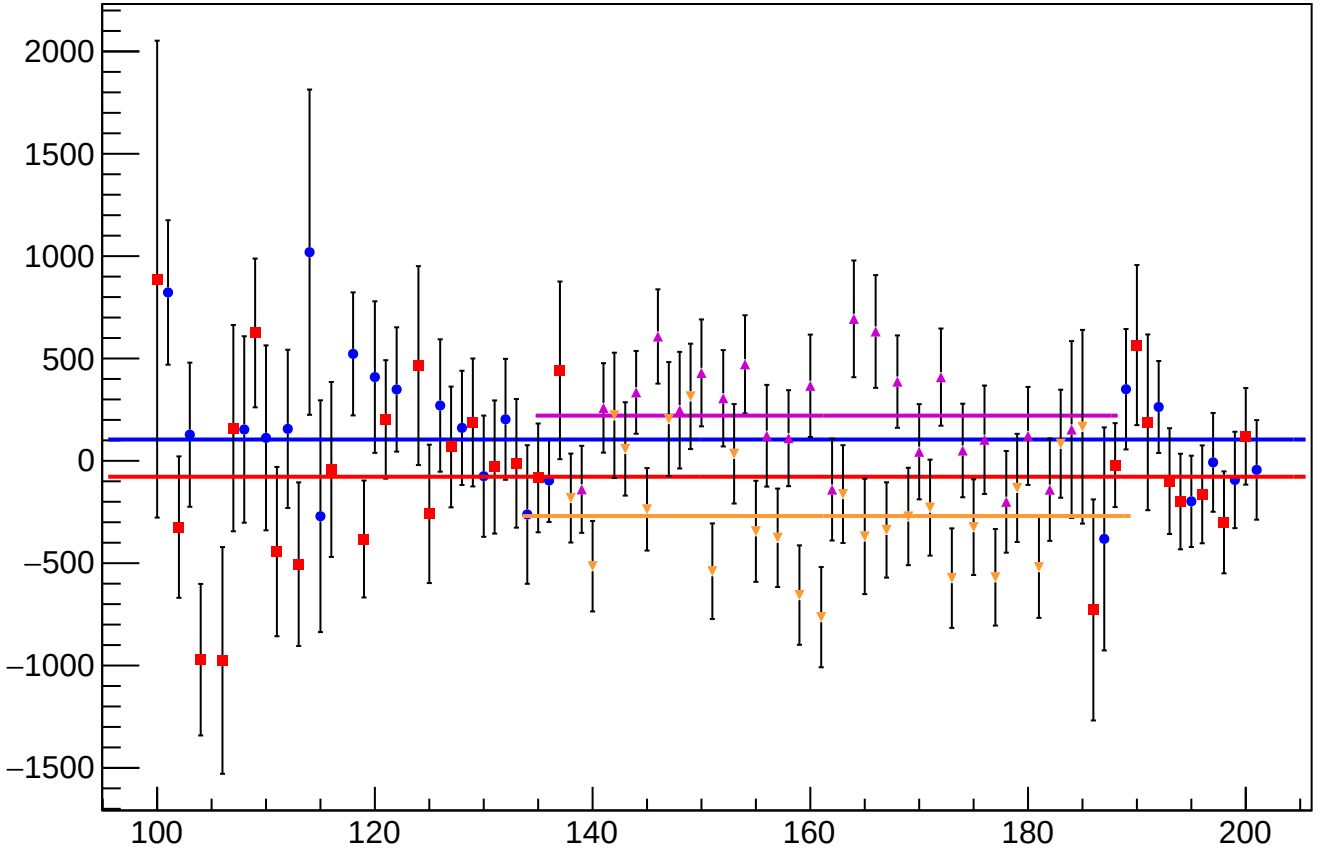
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1688.252+/-0.223 χ^2/NDF: 5954621.1/47

All: 1712.772+/-0.161 χ^2/NDF: 13194989.5/9

- sign 1739.103+/-0.231 χ^2/NDF: 7215367.0/50

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: -77.635+/-60.760 χ^2/NDF: 28.1/27

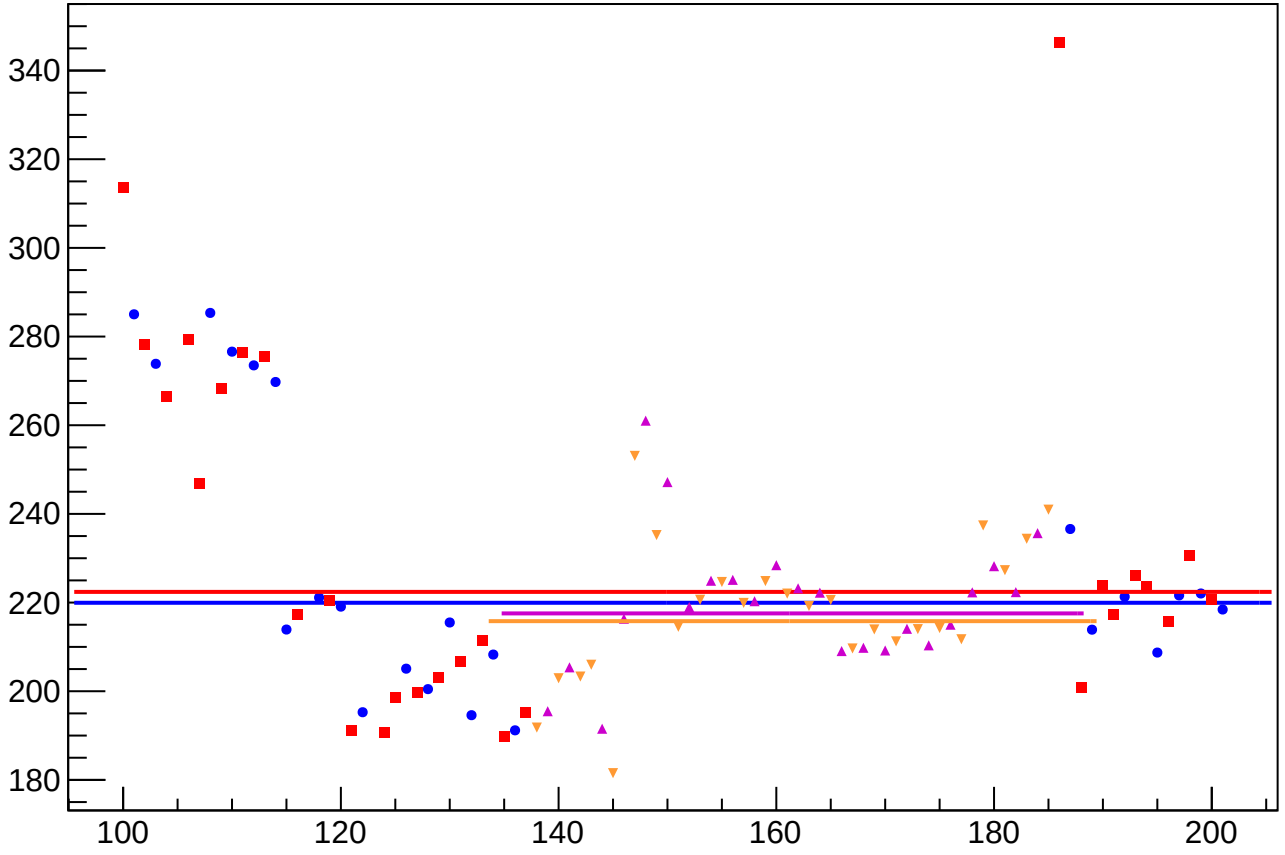
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -128.272+/-38.762 χ^2/NDF: 70.6/47

All: -16.127+/-27.508 χ^2/NDF: 153.2/98

- sign 97.649+/-39.043 χ^2/NDF: 65.7/50

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

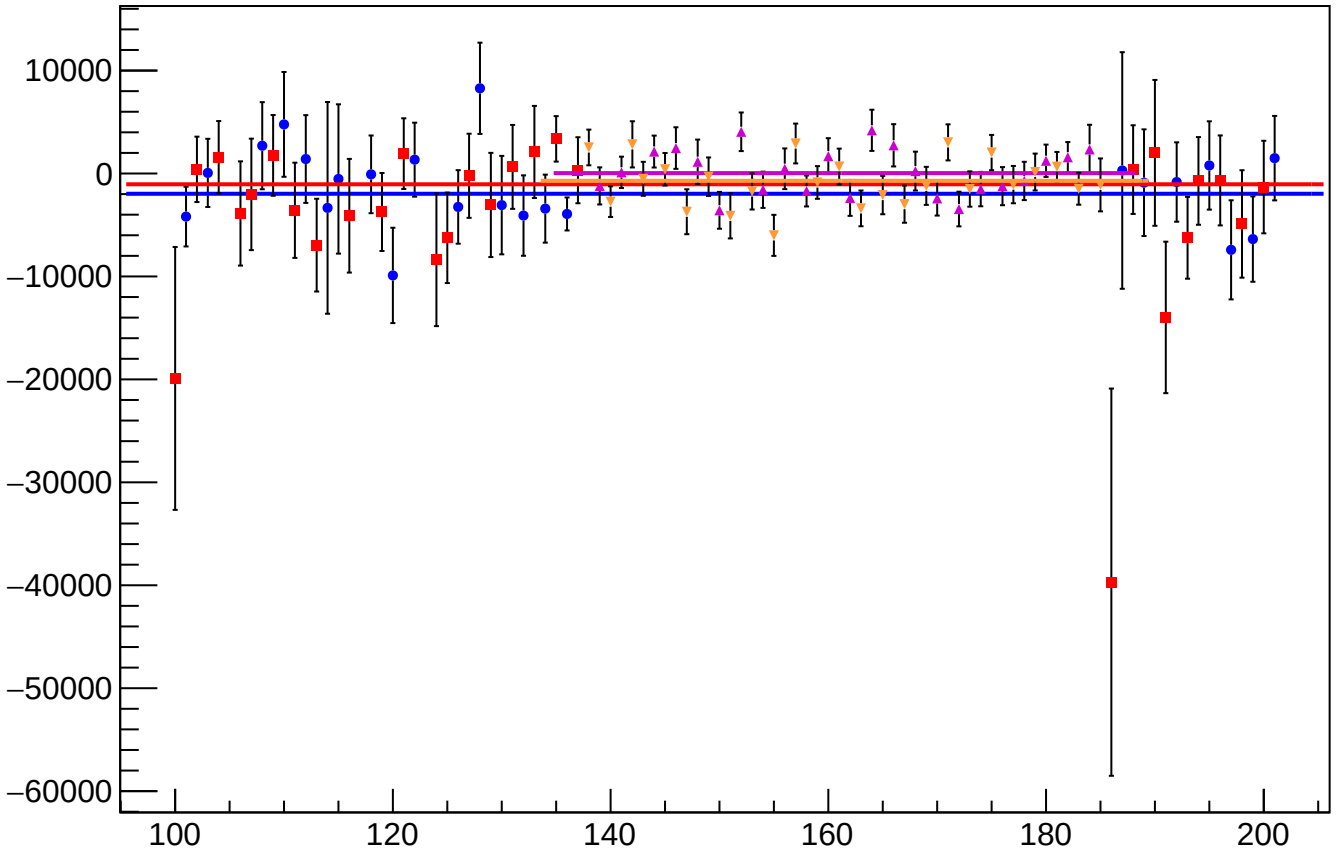
Right Out: 222.407+/-0.043 χ^2/NDF: 459136.4/27

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

\+ sign 217.375+/-0.027 χ^2/NDF: 521380.9/47

All: 218.459+/-0.019 χ^2/NDF: 1152222.9/98

\- sign 219.558+/-0.028 χ^2/NDF: 627691.2/50



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: -1046.909+/-803.962 χ^2/NDF: 25.0/27

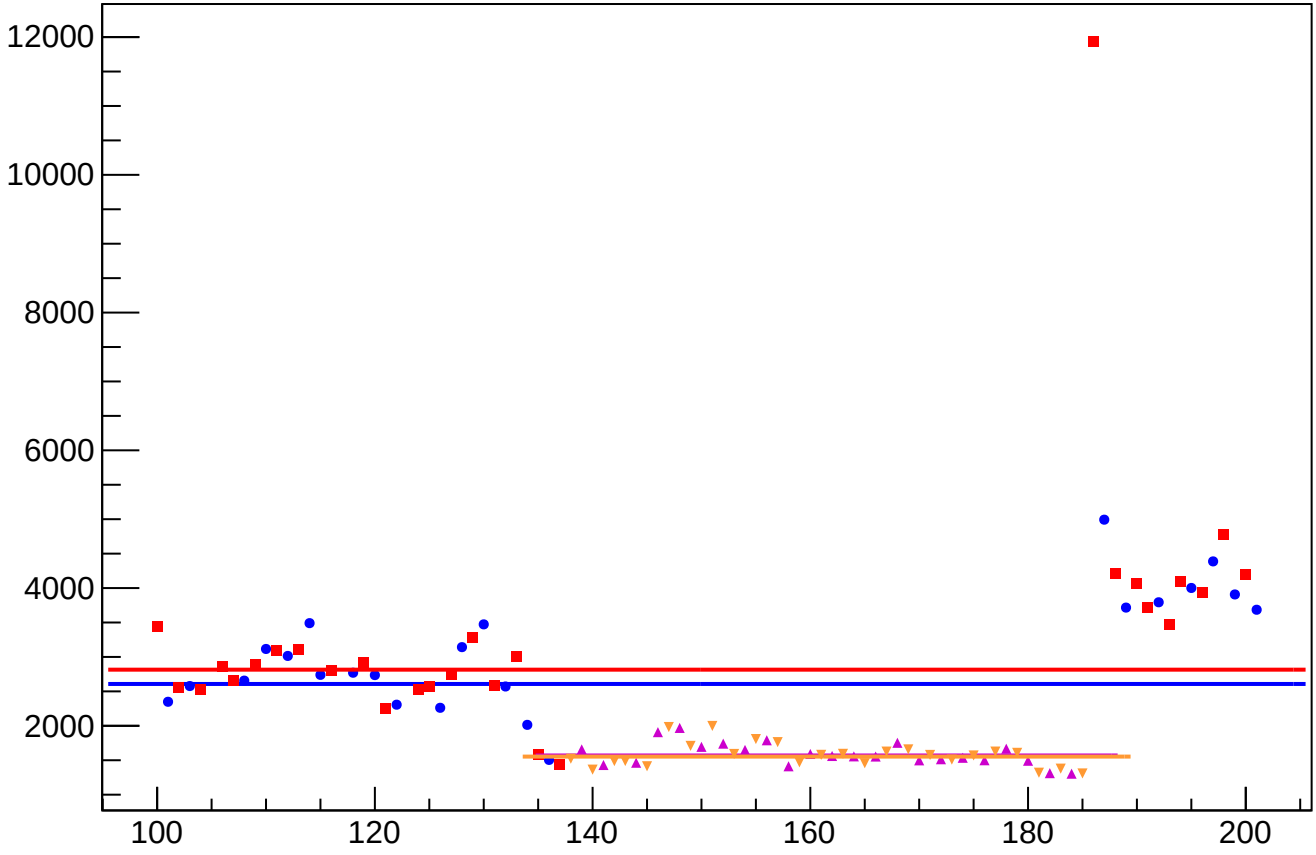
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -919.868+/-323.714 χ^2/NDF: 59.6/47

All: -548.091+/-232.878 χ^2/NDF: 123.2/98

- sign -149.302+/-335.268 χ^2/NDF: 60.8/50

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: 2815.161+/-0.568 χ^2/NDF: 2746681.1/27

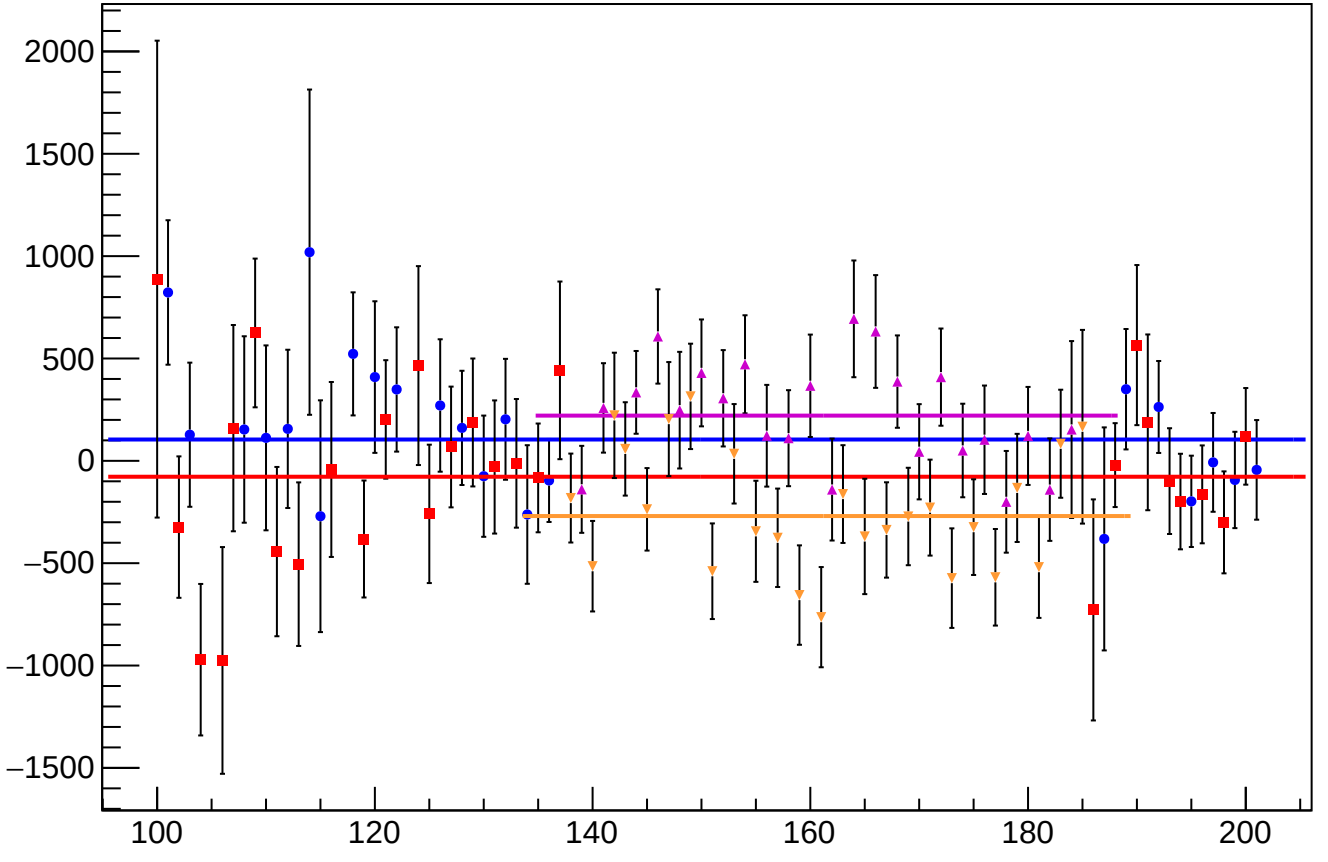
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1732.980+/-0.229 χ^2/NDF: 5812840.4/47

All: 1758.575+/-0.165 χ^2/NDF: 12909996.7/9

- sign 1786.031+/-0.237 χ^2/NDF: 7071239.9/50

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

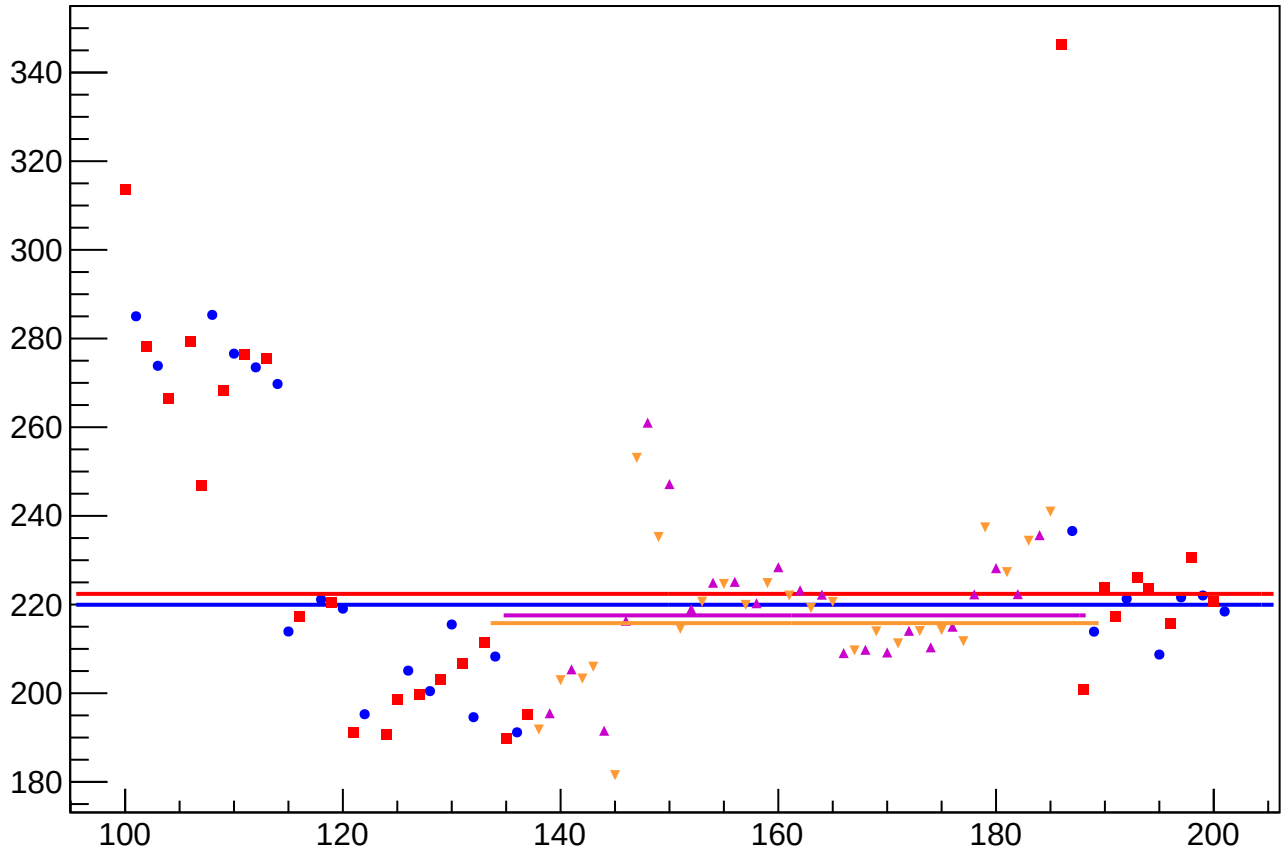
Right Out: -77.635+/-60.760 χ^2/NDF: 28.1/27

Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -128.272+/-38.762 χ^2/NDF: 70.6/47

All: -16.127+/-27.508 χ^2/NDF: 153.2/98

- sign 97.649+/-39.043 χ^2/NDF: 65.7/50



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: 222.406+/-0.043 χ^2/NDF: 459121.5/27

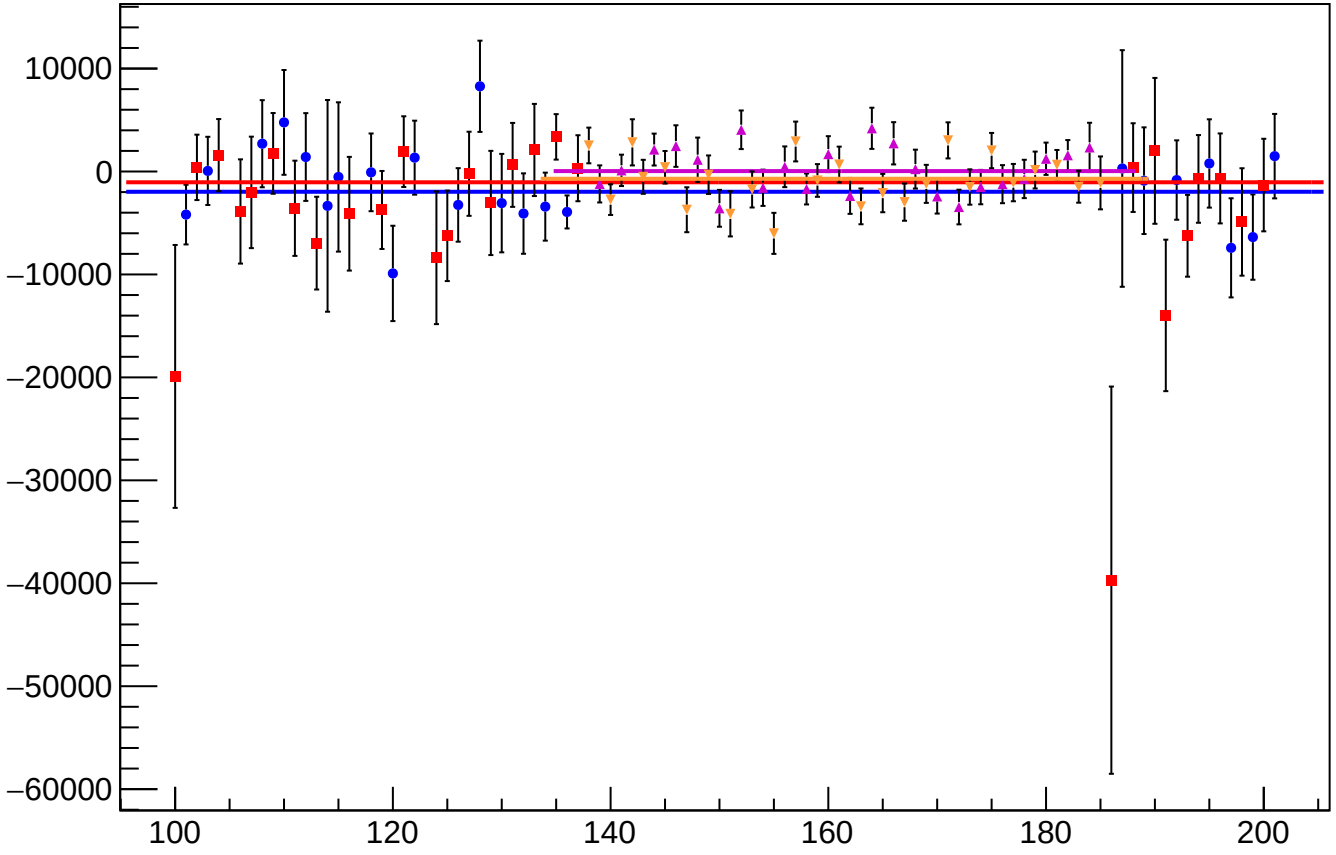
Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

\+ sign 217.374+/-0.027 χ^2/NDF: 521376.9/47

All: 218.458+/-0.019 χ^2/NDF: 1152205.5/98

\- sign 219.558+/-0.028 χ^2/NDF: 627677.8/50

asym_sam_26_dd_eigen_dit_correction_mean vs Slug



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: -1046.909+/-803.960 χ^2/NDF: 25.0/27

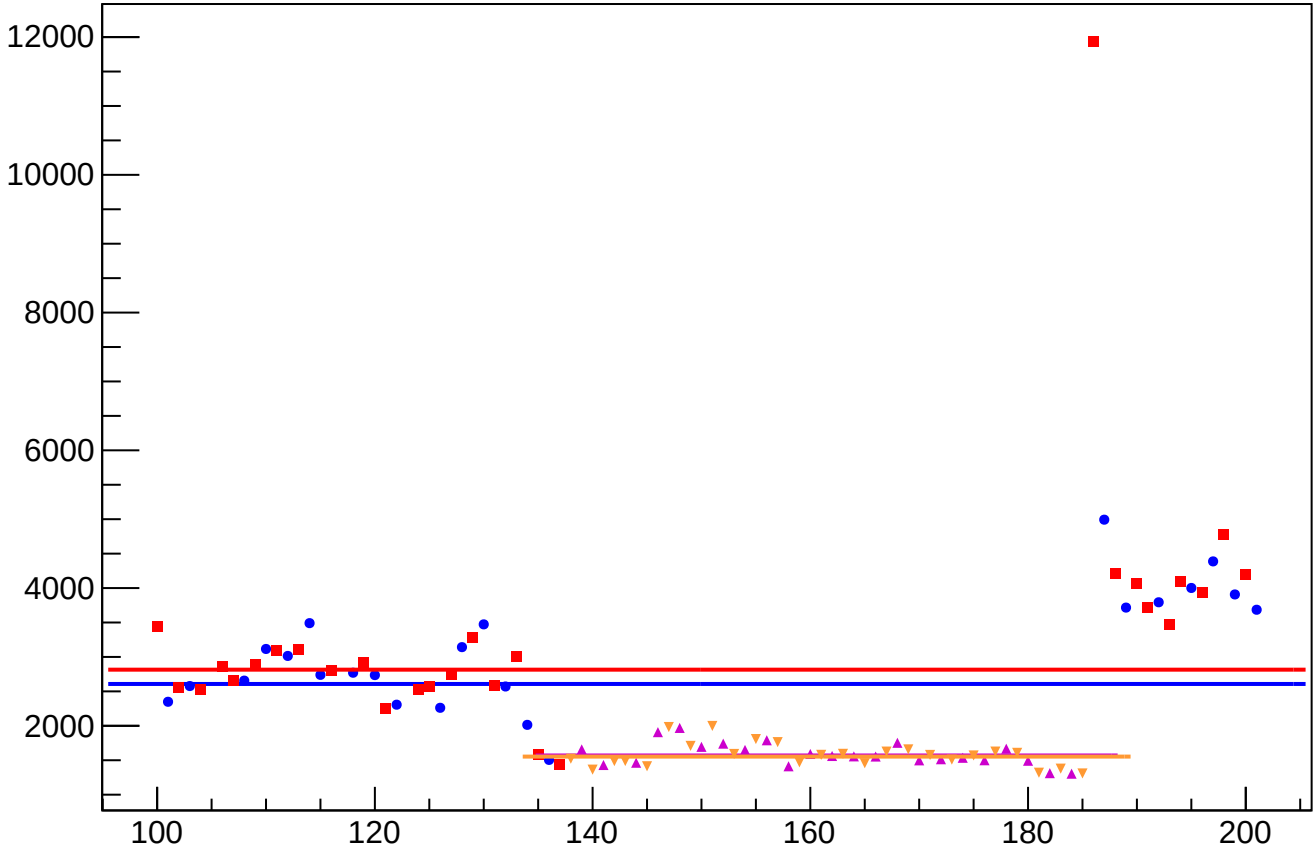
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -919.868+/-323.714 χ^2/NDF: 59.6/47

All: -548.091+/-232.878 χ^2/NDF: 123.2/98

- sign -149.303+/-335.268 χ^2/NDF: 60.8/50

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



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: 2815.158+/-0.568 χ^2/NDF: 2746682.5/27

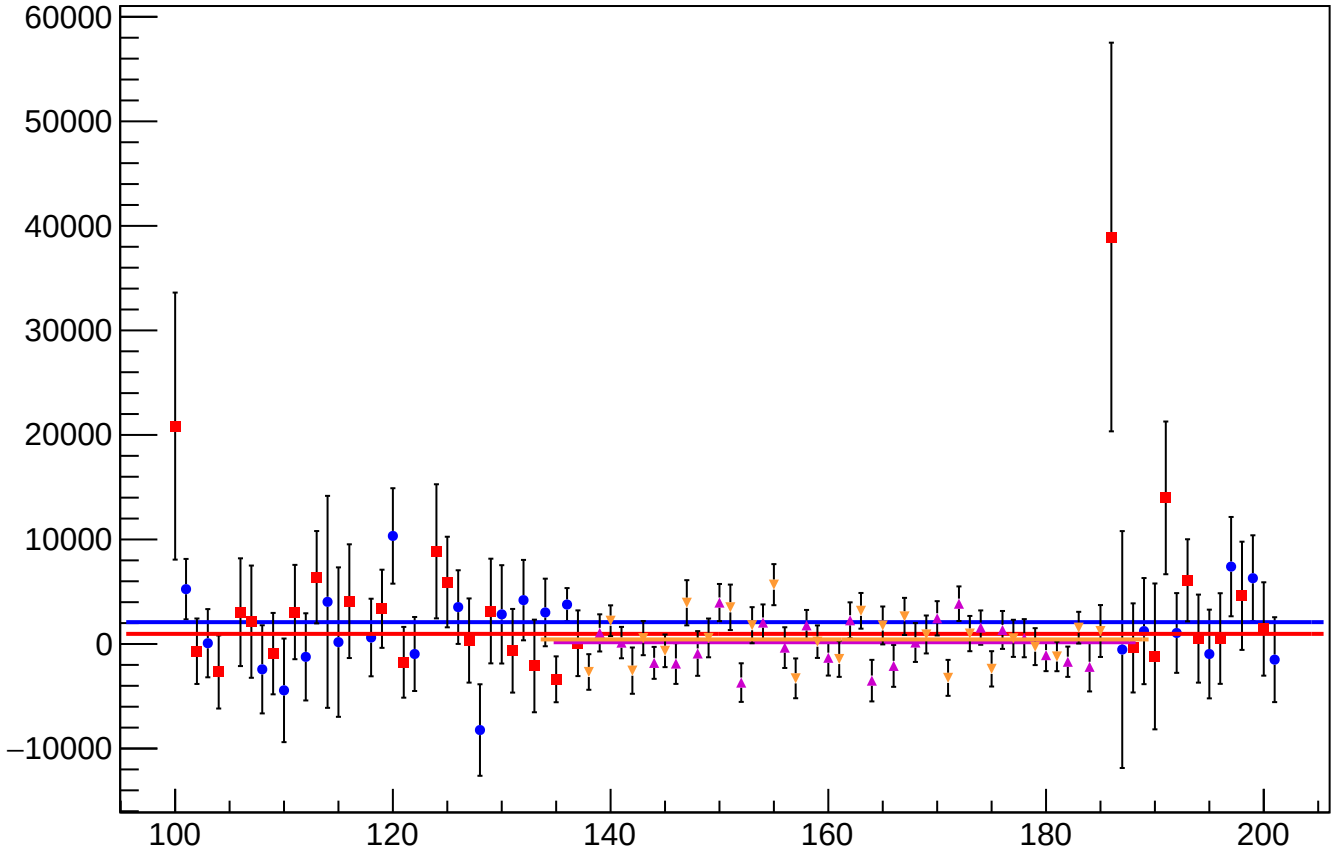
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1732.980+/-0.229 χ^2/NDF: 5812824.4/47

All: 1758.576+/-0.165 χ^2/NDF: 12909968.7/9

- sign 1786.031+/-0.237 χ^2/NDF: 7071228.2/50

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: 968.332+/-795.147 χ^2/NDF: 24.8/27

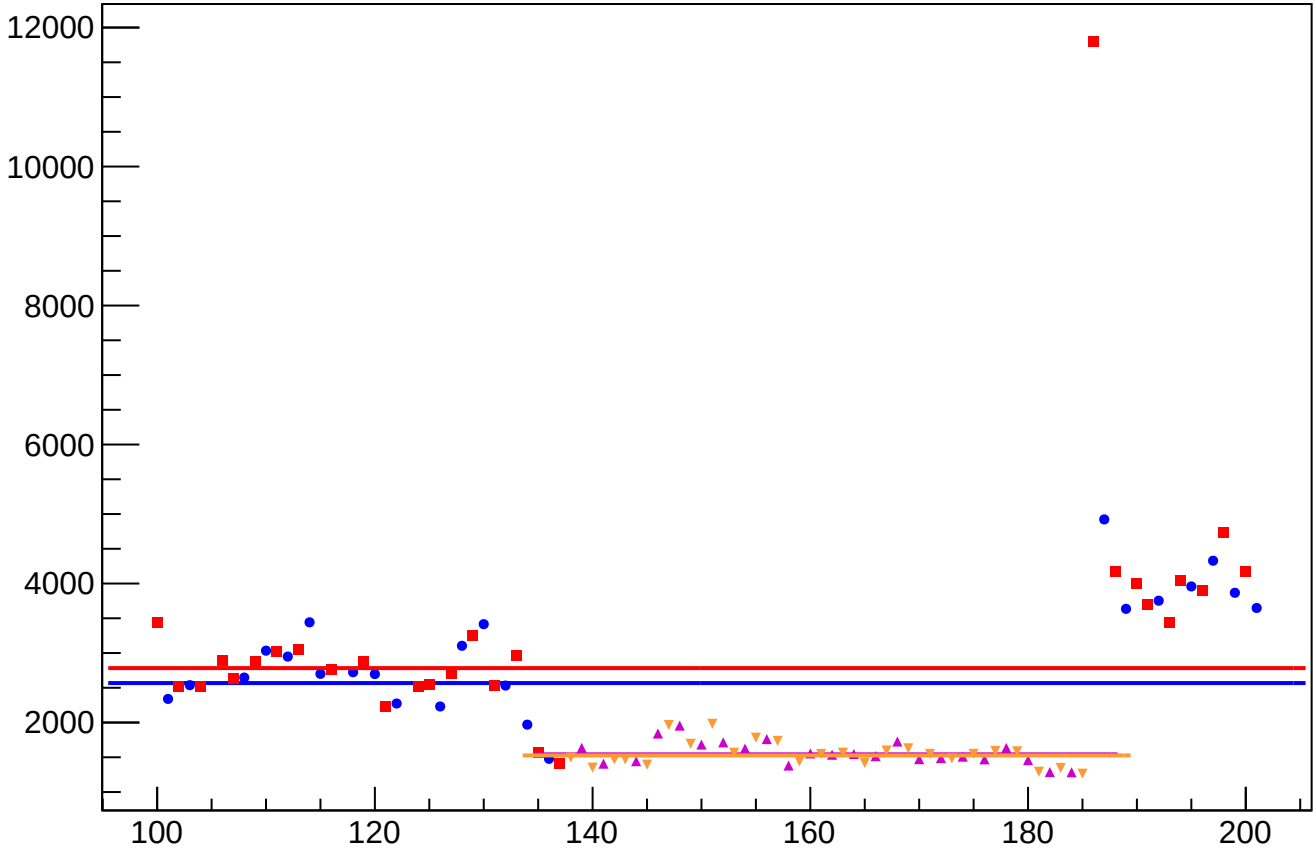
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 718.541+/-318.468 χ^2/NDF: 63.0/47

All: 520.137+/-229.118 χ^2/NDF: 122.5/98

- sign 307.260+/-329.878 χ^2/NDF: 58.6/50

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: 2783.257+/-0.562 χ^2/NDF: 2753944.8/27

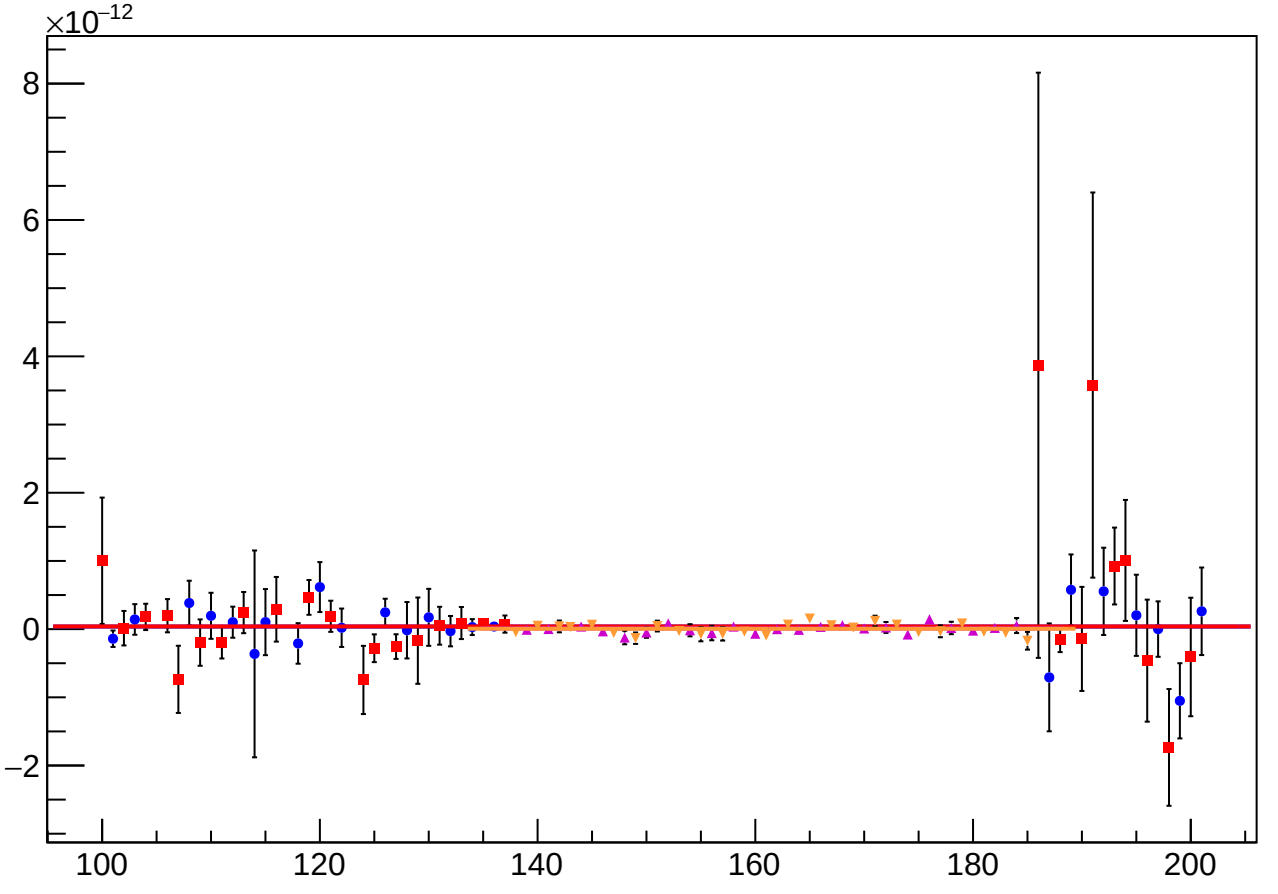
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1703.808+/-0.225 χ^2/NDF: 5867079.4/47

All: 1728.915+/-0.162 χ^2/NDF: 13042252.0/9

- sign 1755.853+/-0.233 χ^2/NDF: 7149405.2/50

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

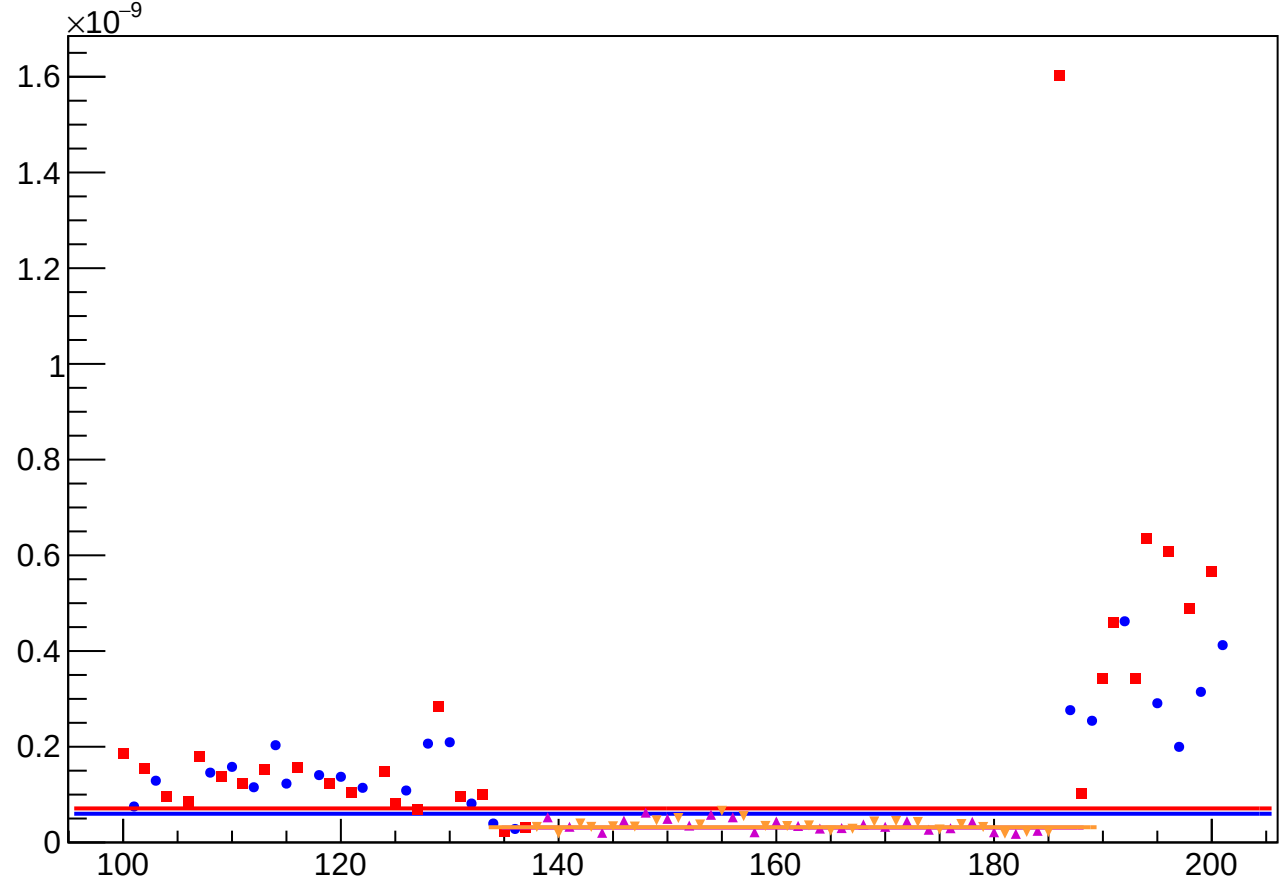
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/27

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: 94.3/98

- sign 0.000+/-0.000 χ^2/NDF: 47.7/50



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: 6229322.6/27

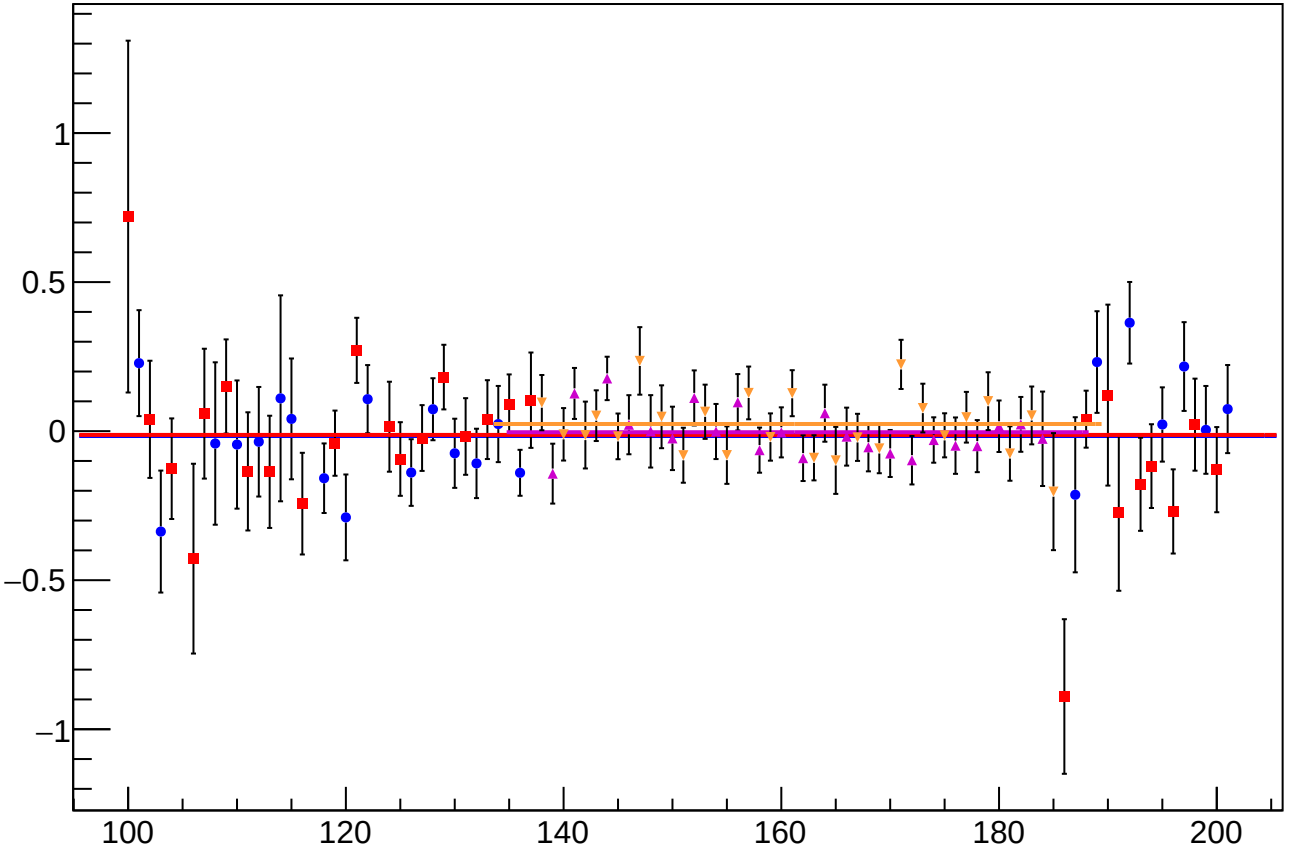
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7775067.6/47

All: 0.000+/-0.000 χ^2/NDF: 17281444.1/98

- sign 0.000+/-0.000 χ^2/NDF: 9505304.4/50

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: -0.013+/-0.028 χ^2/NDF: 38.4/27

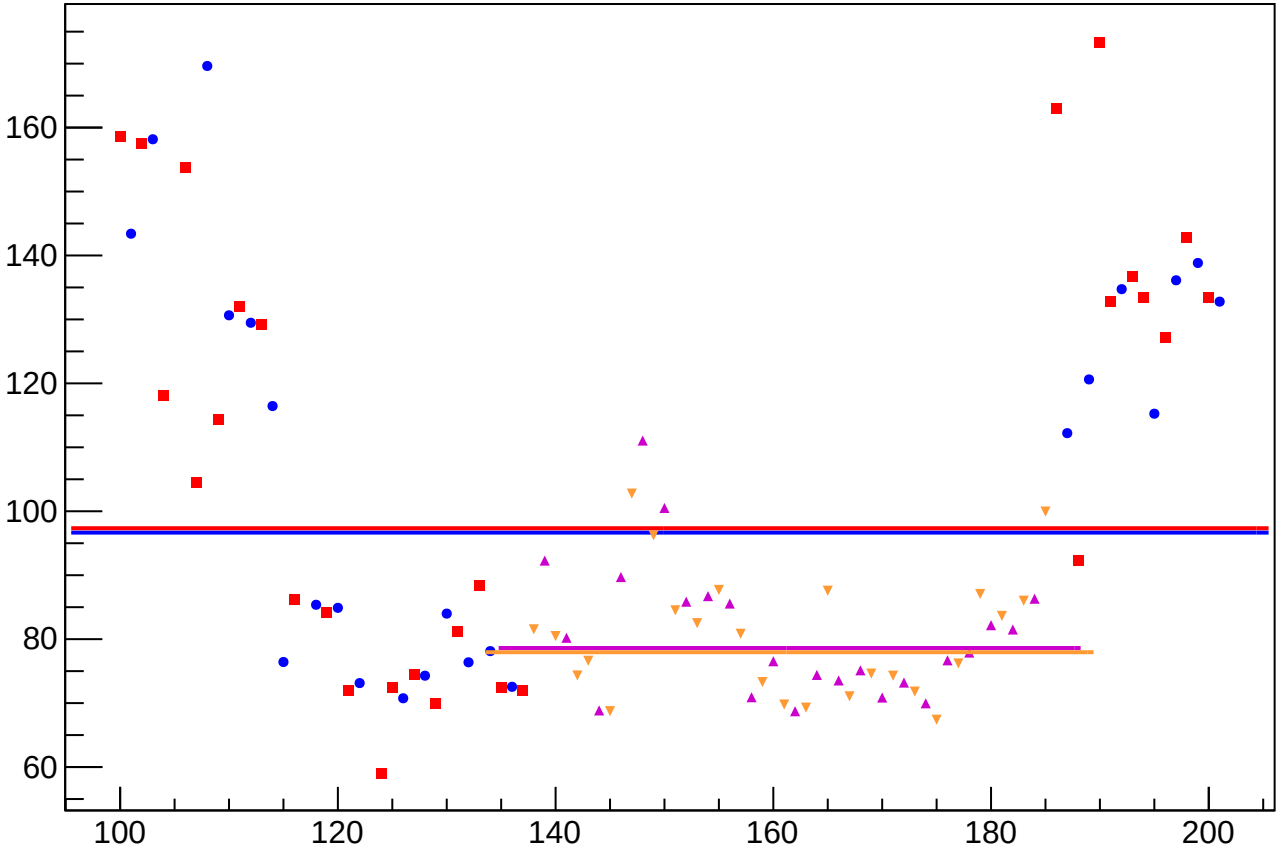
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.013+/-0.015 χ^2/NDF: 56.6/47

All: 0.003+/-0.011 χ^2/NDF: 114.7/98

- sign -0.006+/-0.015 χ^2/NDF: 57.3/50

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

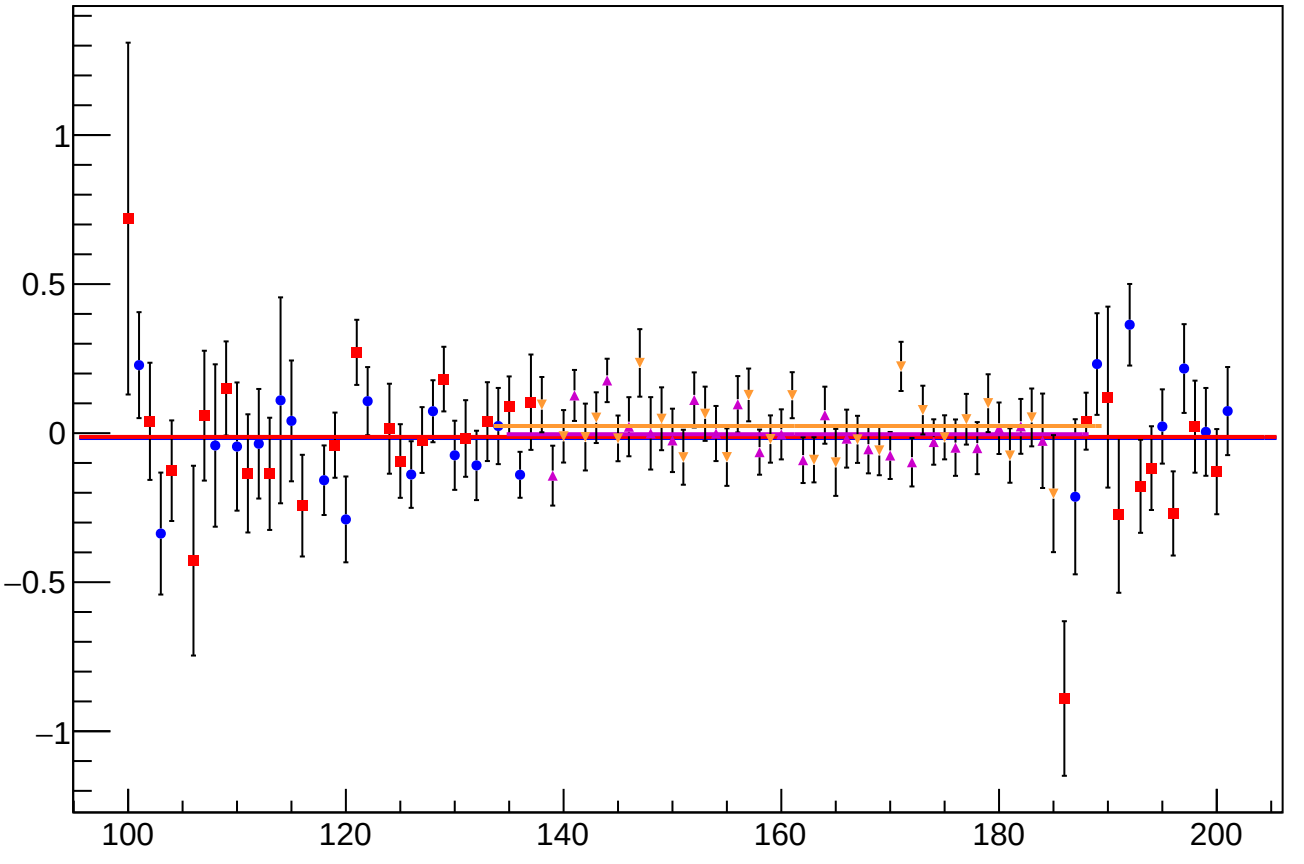
Right Out: 97.348+/-0.020 χ^2/NDF: 2169650.8/27

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 83.150+/-0.011 χ^2/NDF: 2960776.1/47

All: 83.775+/-0.008 χ^2/NDF: 6266136.8/98

- sign 84.420+/-0.011 χ^2/NDF: 3298475.7/50



Right In: -0.016+/-0.029 χ^2/NDF: 29.7/22

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

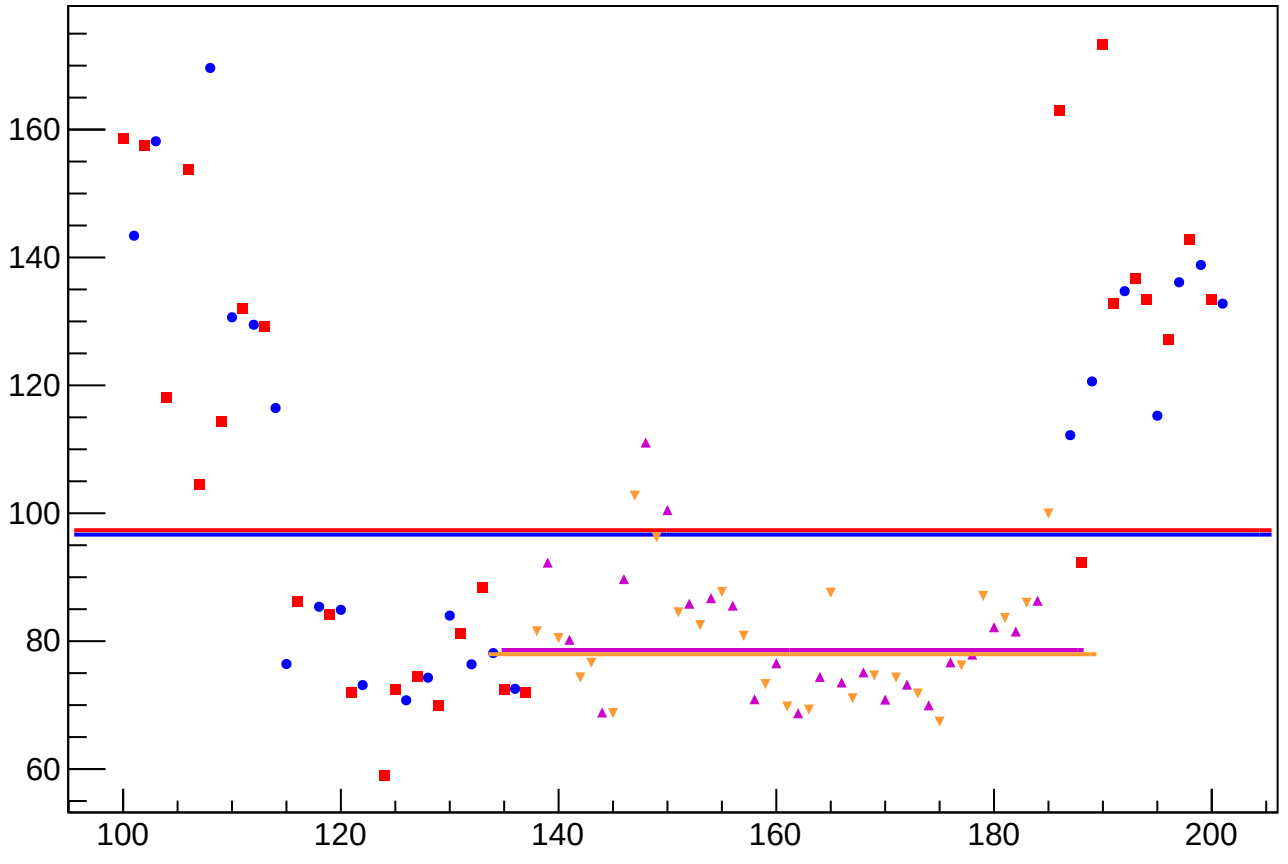
Right Out: -0.013+/-0.028 χ^2/NDF: 38.4/27

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.013+/-0.015 χ^2/NDF: 56.6/47

All: 0.003+/-0.011 χ^2/NDF: 114.7/98

- sign -0.006+/-0.015 χ^2/NDF: 57.3/50



Right In: 96.663+/-0.020 χ^2/NDF: 1911733.7/22

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

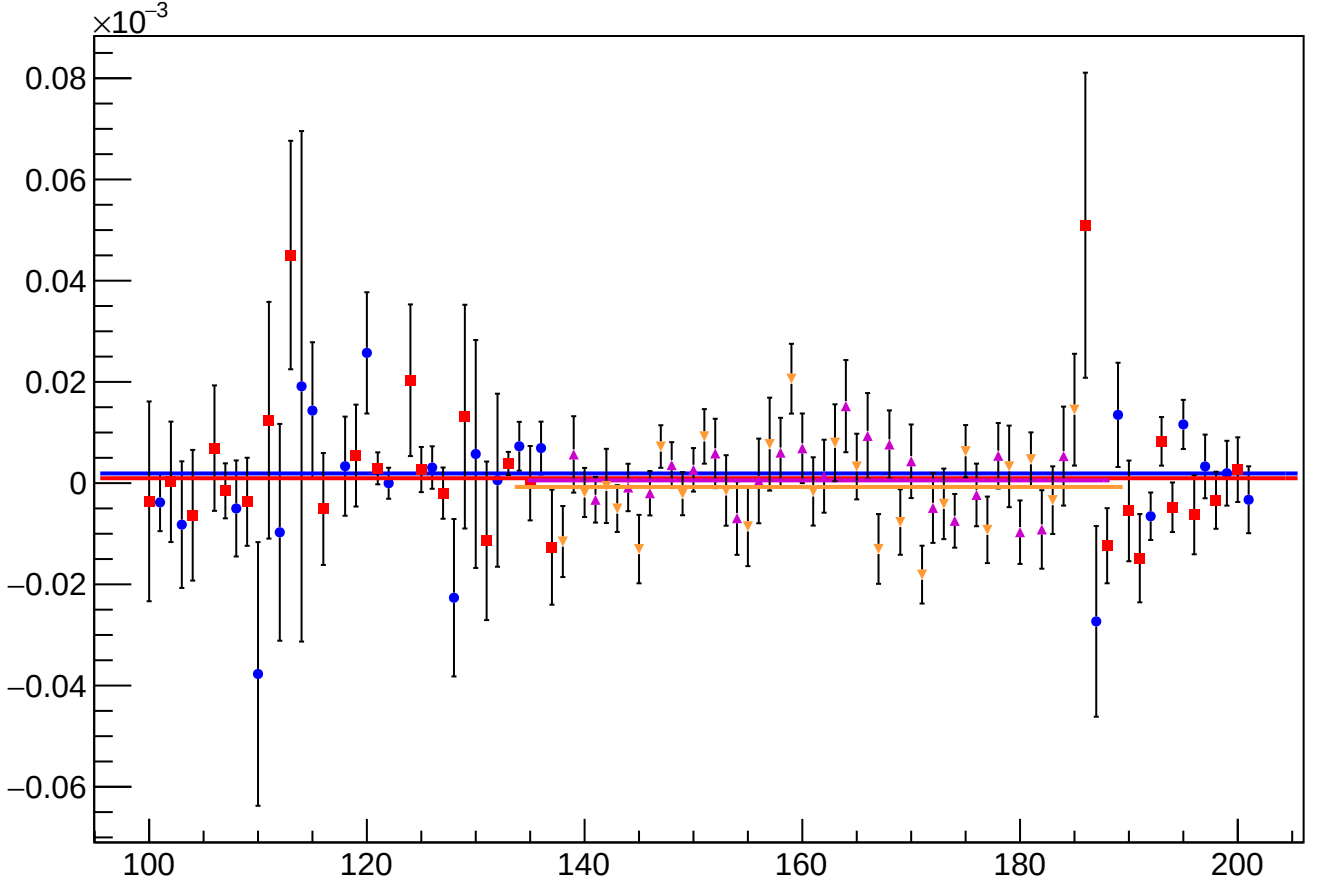
Right Out: 97.348+/-0.020 χ^2/NDF: 2169650.8/27

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 83.150+/-0.011 χ^2/NDF: 2960776.1/47

All: 83.775+/-0.008 χ^2/NDF: 6266136.8/98

- sign 84.420+/-0.011 χ^2/NDF: 3298475.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

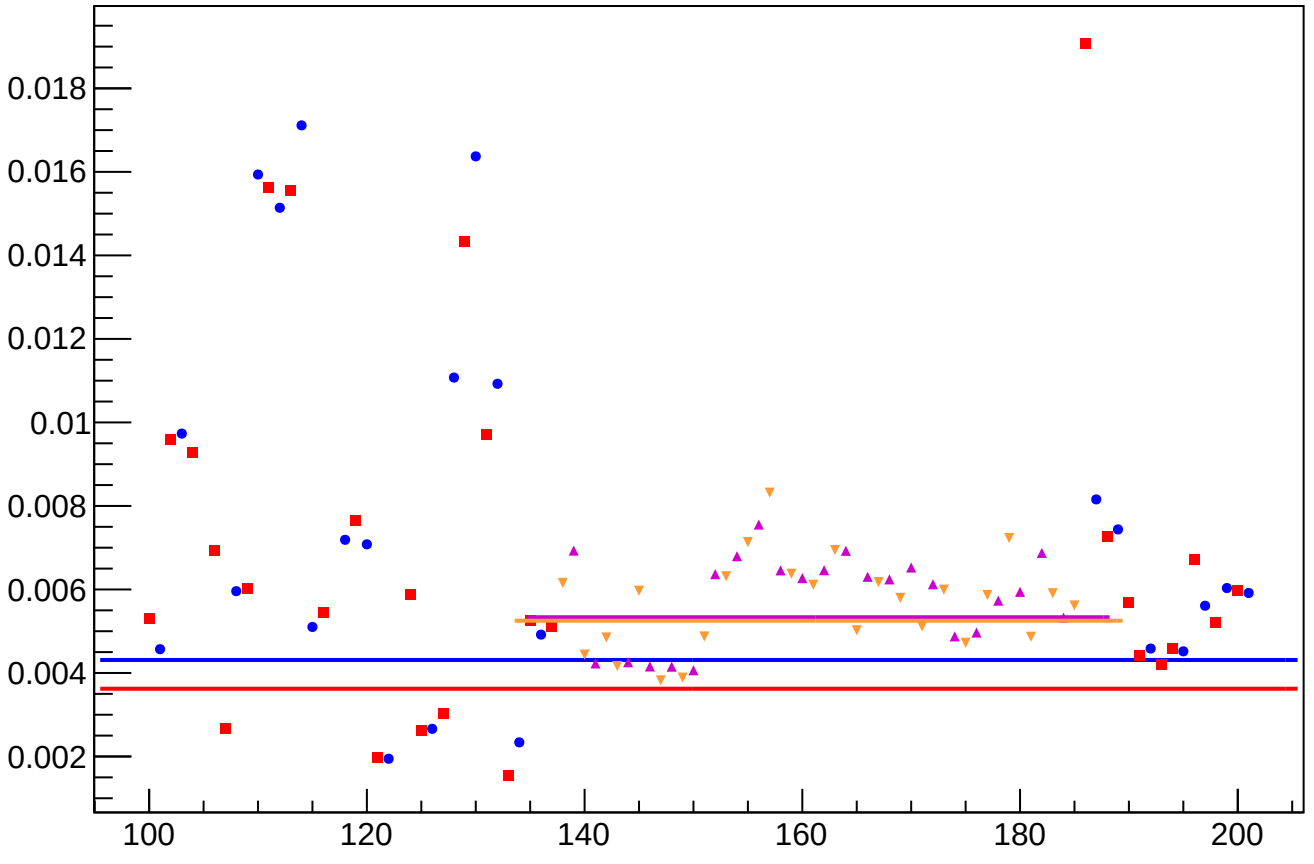
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/27

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: 121.9/98

- sign 0.000+/-0.000 χ^2/NDF: 45.8/50



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: 7952760.4/27

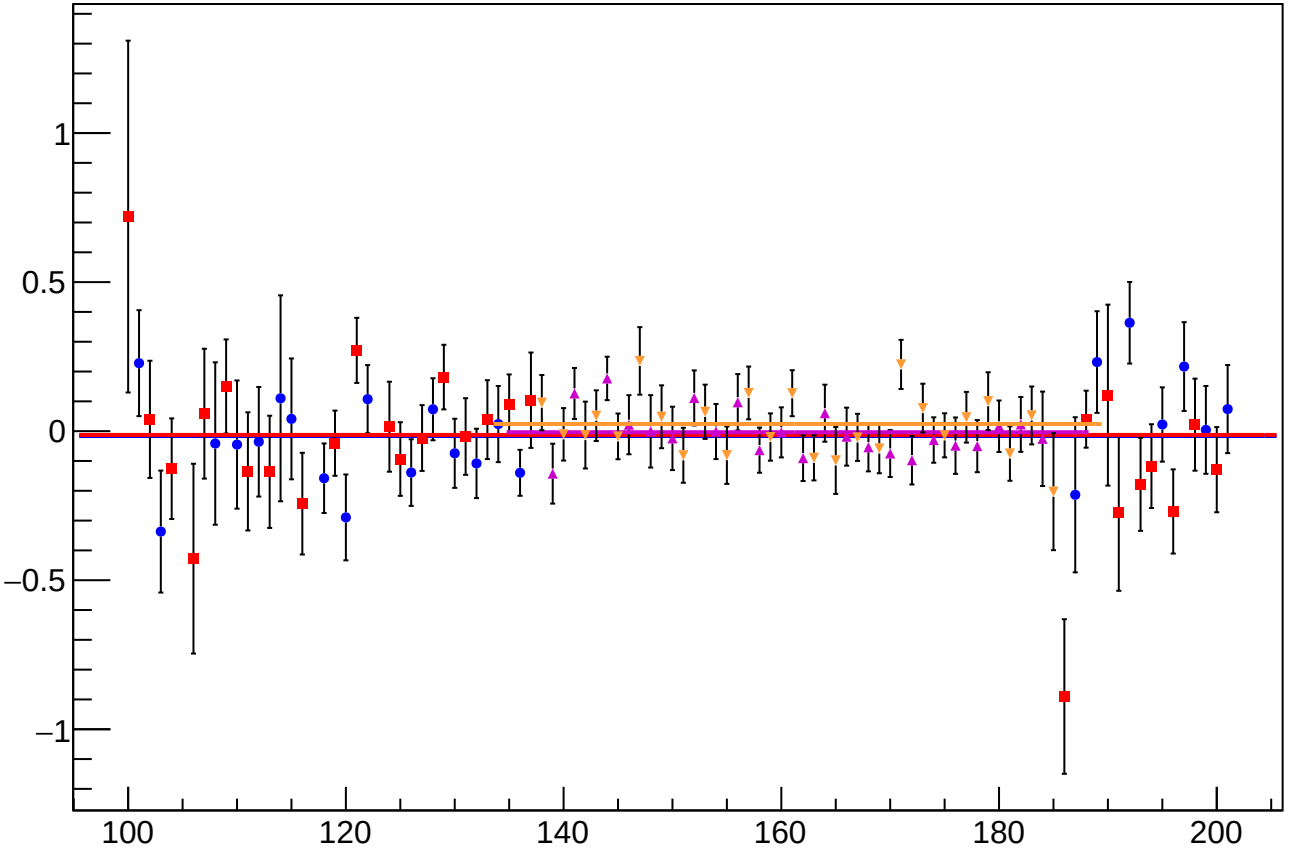
Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7520660.9/47

All: 0.005+/-0.000 χ^2/NDF: 19135293.0/98

- sign 0.004+/-0.000 χ^2/NDF: 11380871.2/50

asym_sam_26_dd_eigen_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

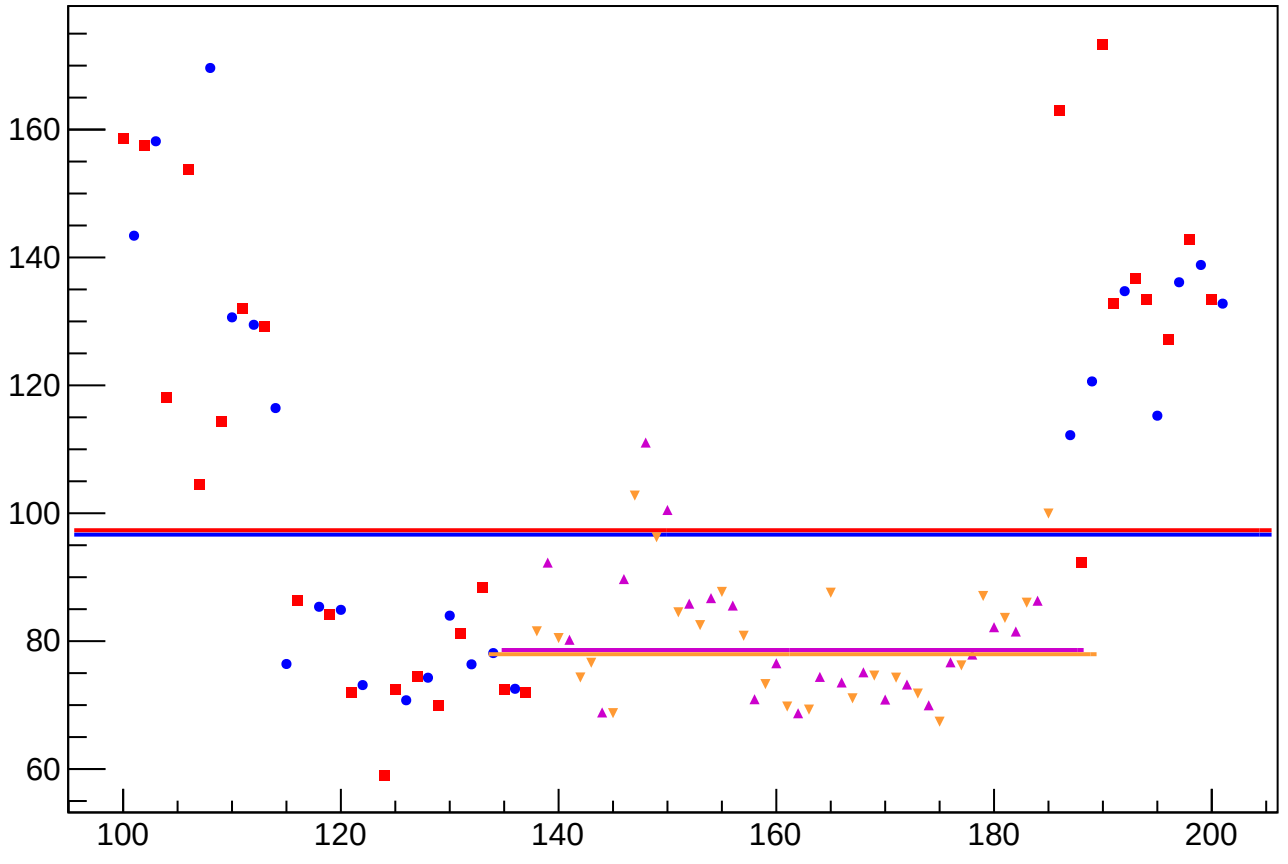
Right Out: -0.013+/-0.028 χ^2/NDF: 38.4/27

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.013+/-0.015 χ^2/NDF: 56.6/47

All: 0.003+/-0.011 χ^2/NDF: 114.7/98

- sign -0.006+/-0.015 χ^2/NDF: 57.3/50



Right In: 96.660+/-0.020 χ^2/NDF: 1911811.6/22

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

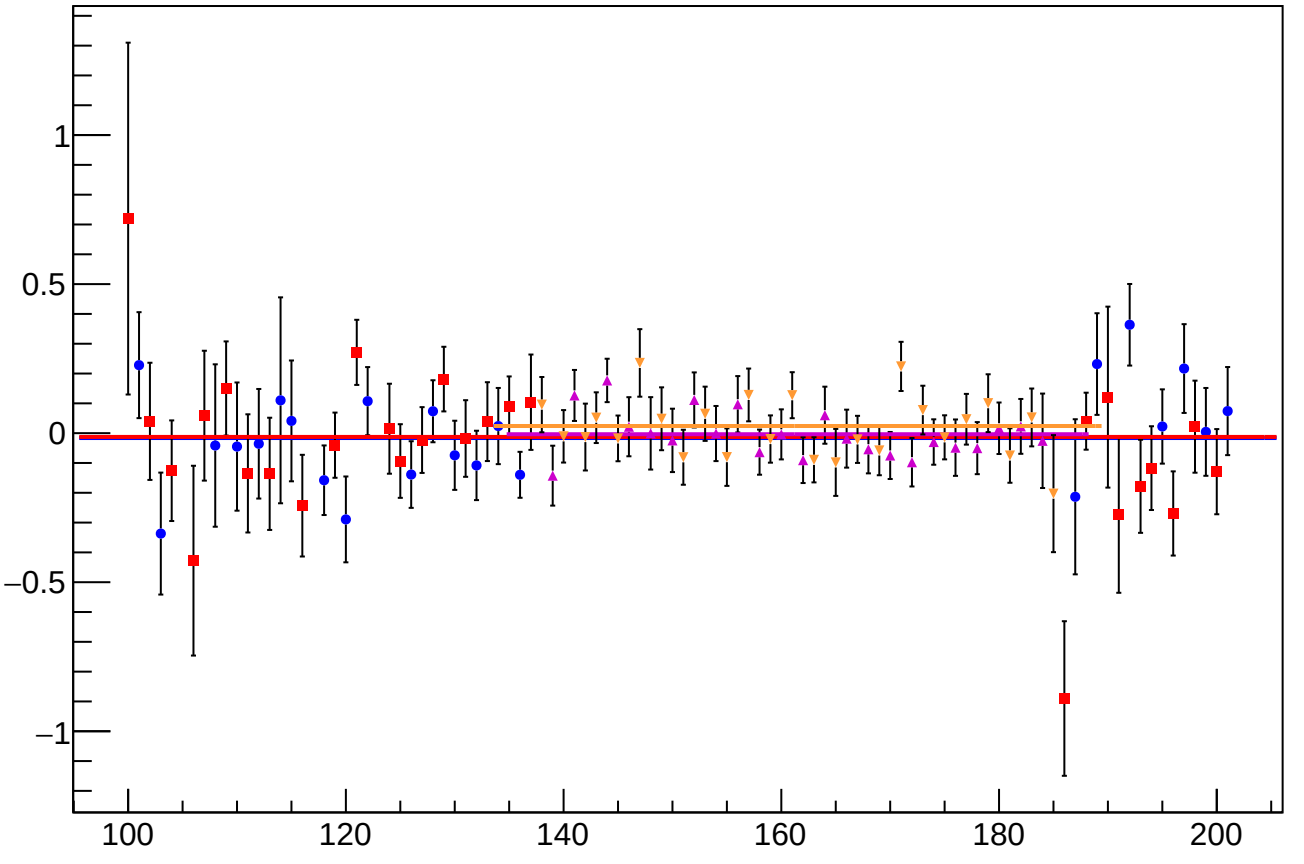
Right Out: 97.346+/-0.020 χ^2/NDF: 2169712.6/27

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 83.149+/-0.011 χ^2/NDF: 2960787.8/47

All: 83.774+/-0.008 χ^2/NDF: 6266175.8/98

- sign 84.419+/-0.011 χ^2/NDF: 3298505.1/50



Right In: -0.016+/-0.029 χ^2/NDF: 29.7/22

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

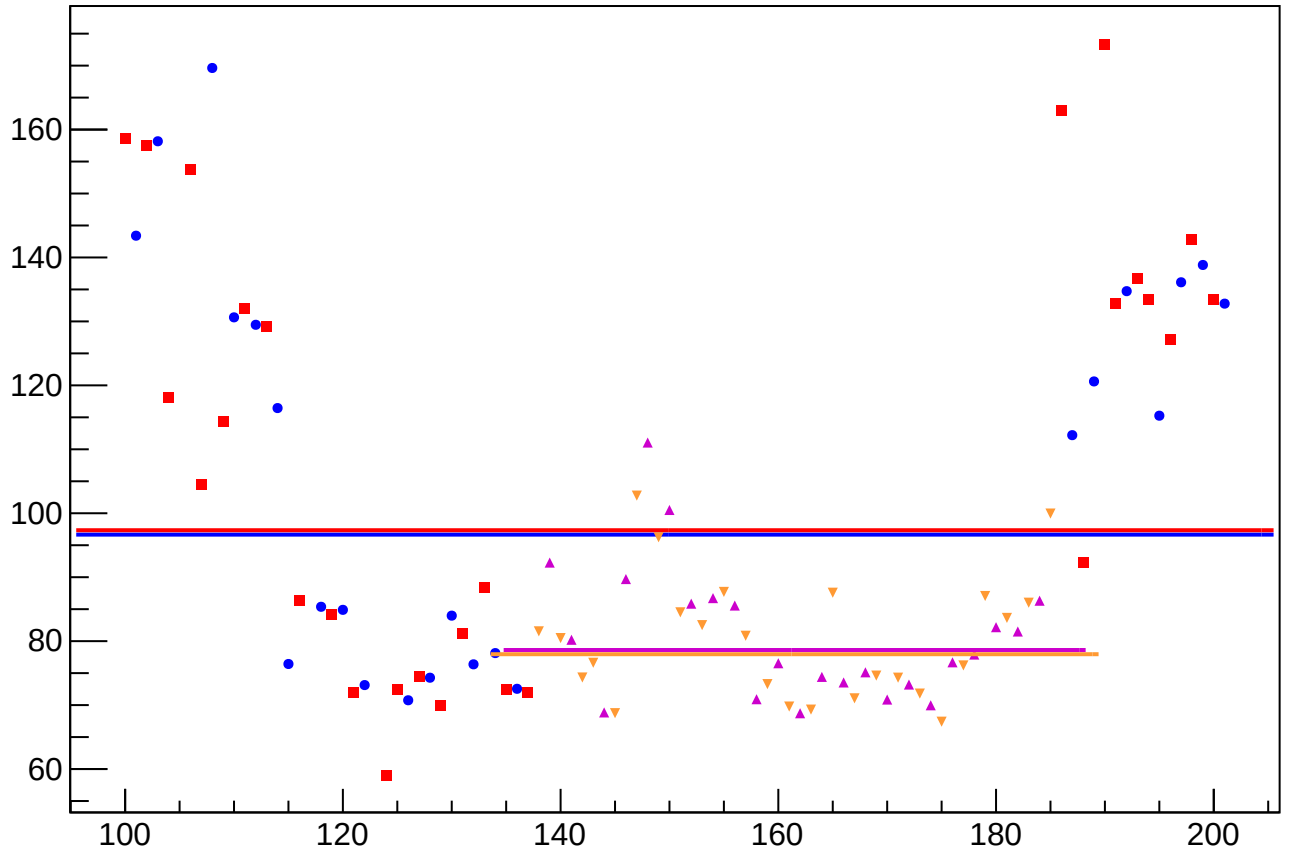
Right Out: -0.013+/-0.028 χ^2/NDF: 38.4/27

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.013+/-0.015 χ^2/NDF: 56.6/47

All: 0.003+/-0.011 χ^2/NDF: 114.7/98

- sign -0.006+/-0.015 χ^2/NDF: 57.3/50



Right In: 96.660+/-0.020 χ^2/NDF: 1911811.6/22

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

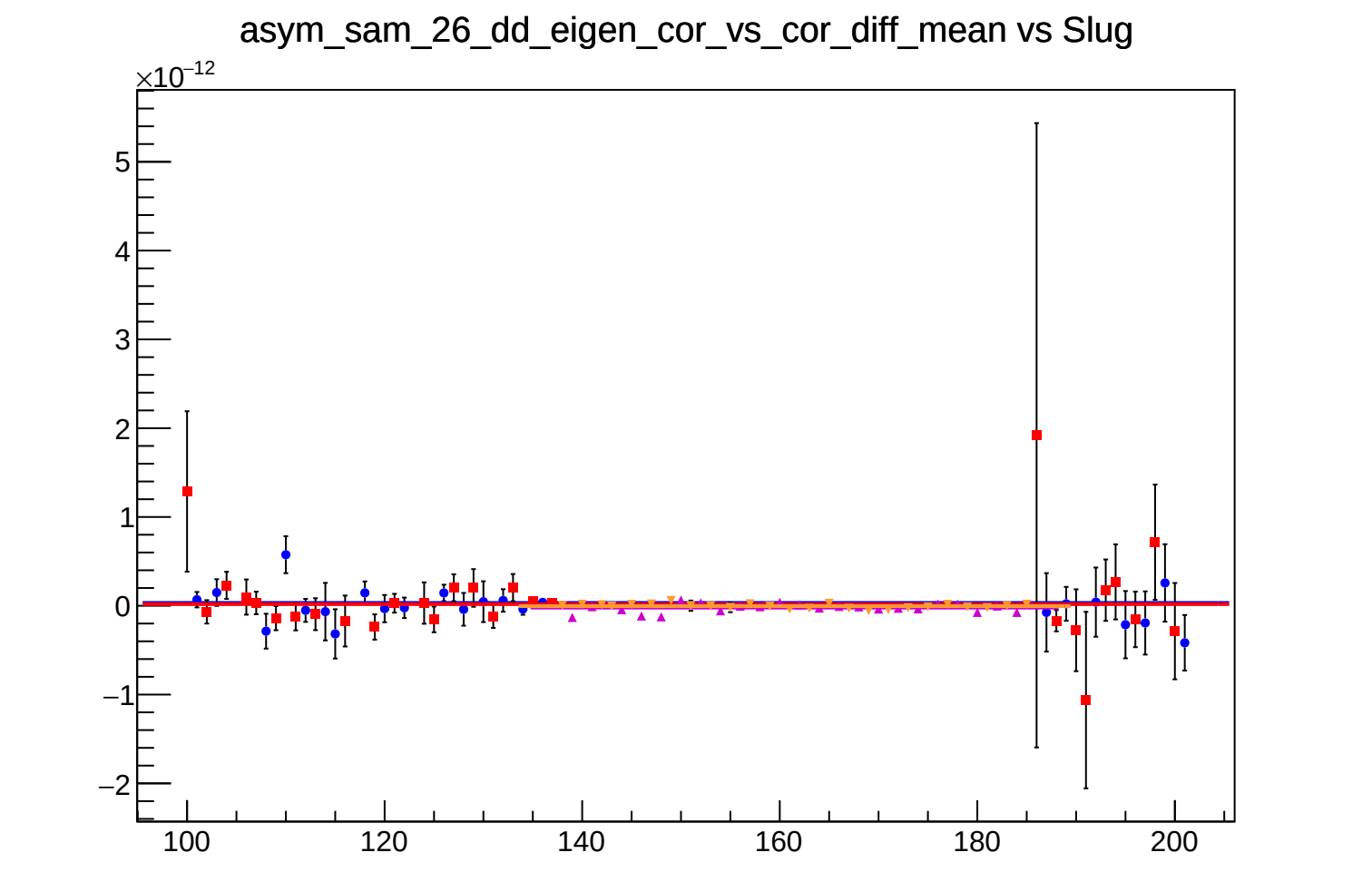
Right Out: 97.346+/-0.020 χ^2/NDF: 2169712.6/27

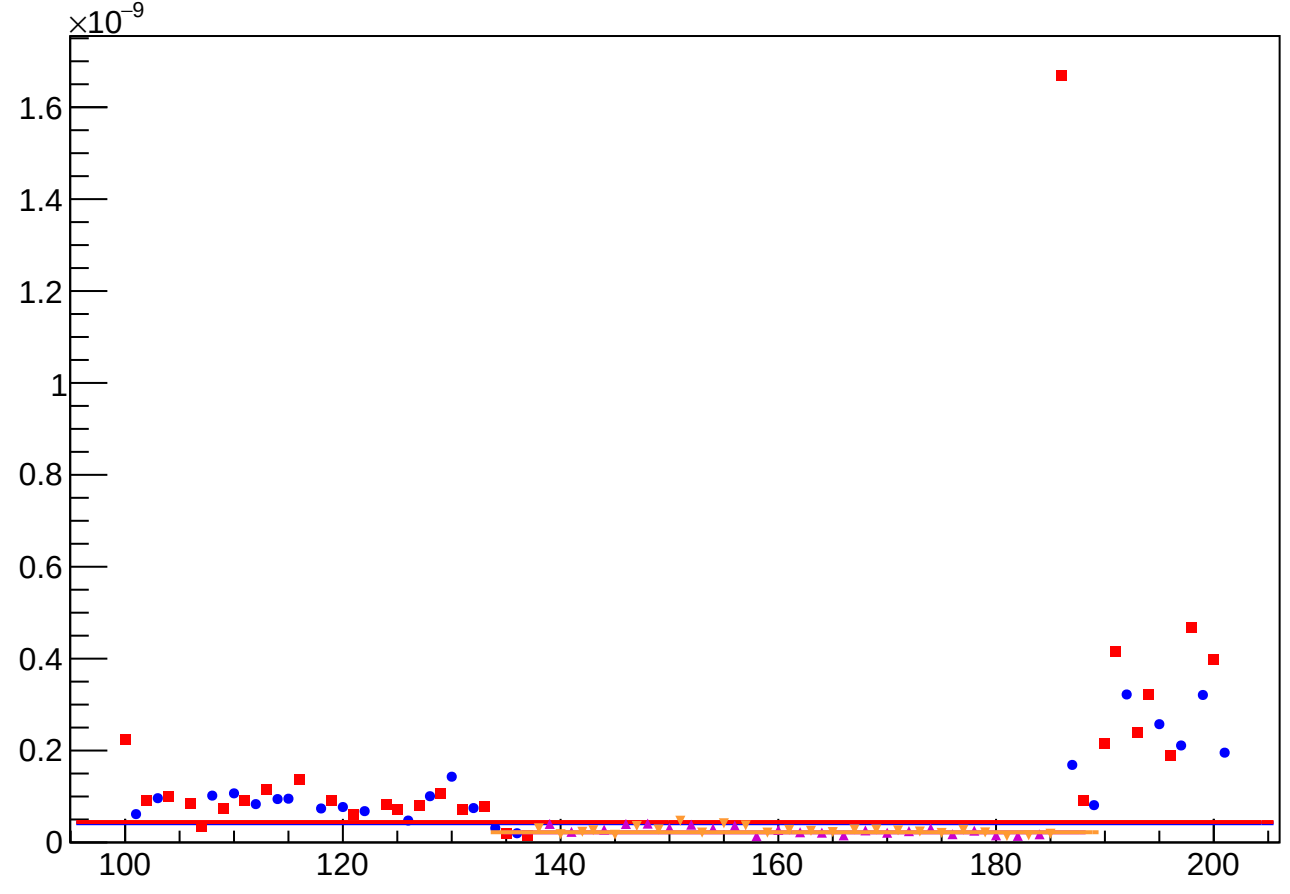
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 83.149+/-0.011 χ^2/NDF: 2960787.8/47

All: 83.774+/-0.008 χ^2/NDF: 6266175.8/98

- sign 84.419+/-0.011 χ^2/NDF: 3298505.1/50


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: 24.6/27
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: 107.1/98
- sign -0.000+/-0.000 χ²/NDF: 67.7/50



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: 9181668.5/27

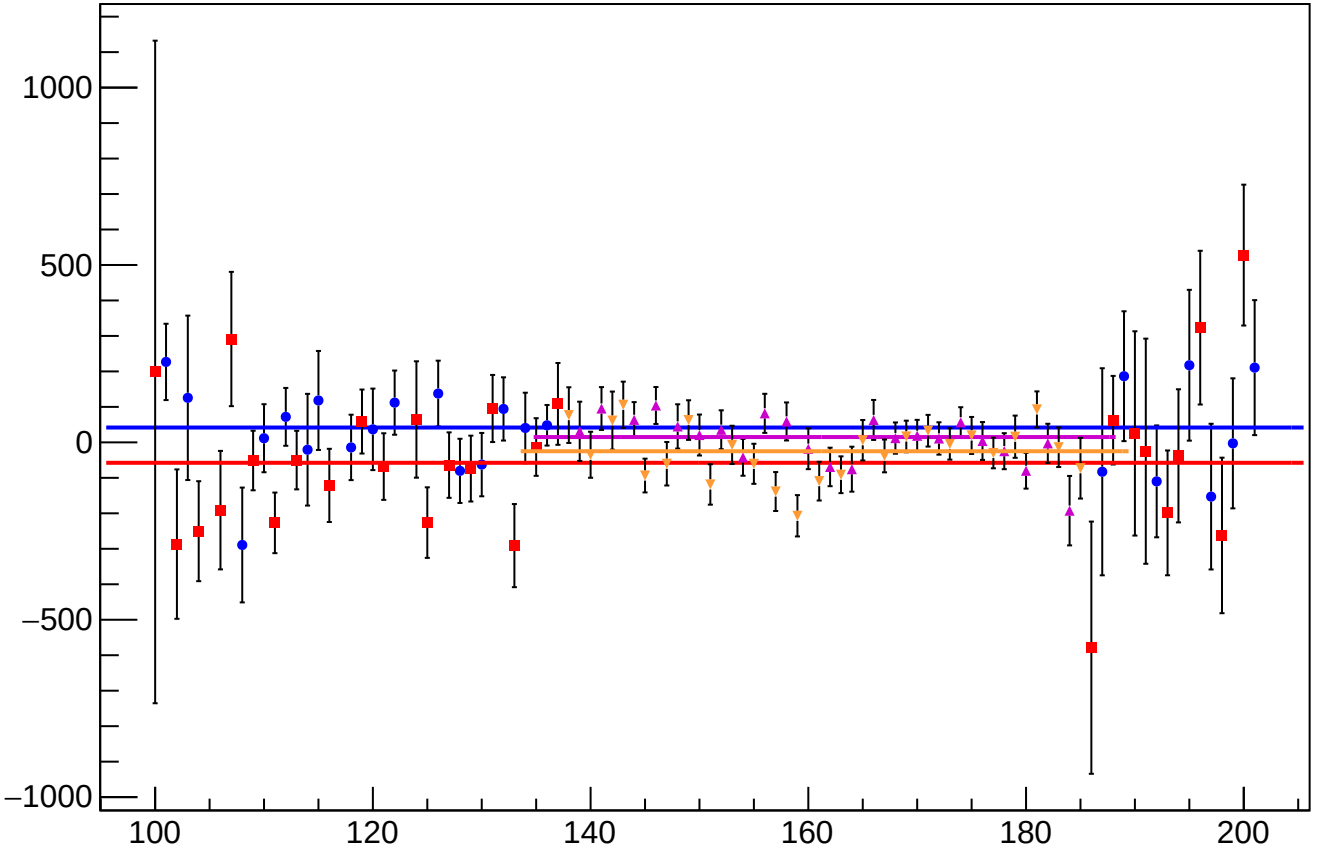
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11228463.1/47

All: 0.000+/-0.000 χ^2/NDF: 25186896.1/98

- sign 0.000+/-0.000 χ^2/NDF: 13958251.2/50

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: -57.566+/-22.945 χ^2/NDF: 42.1/27

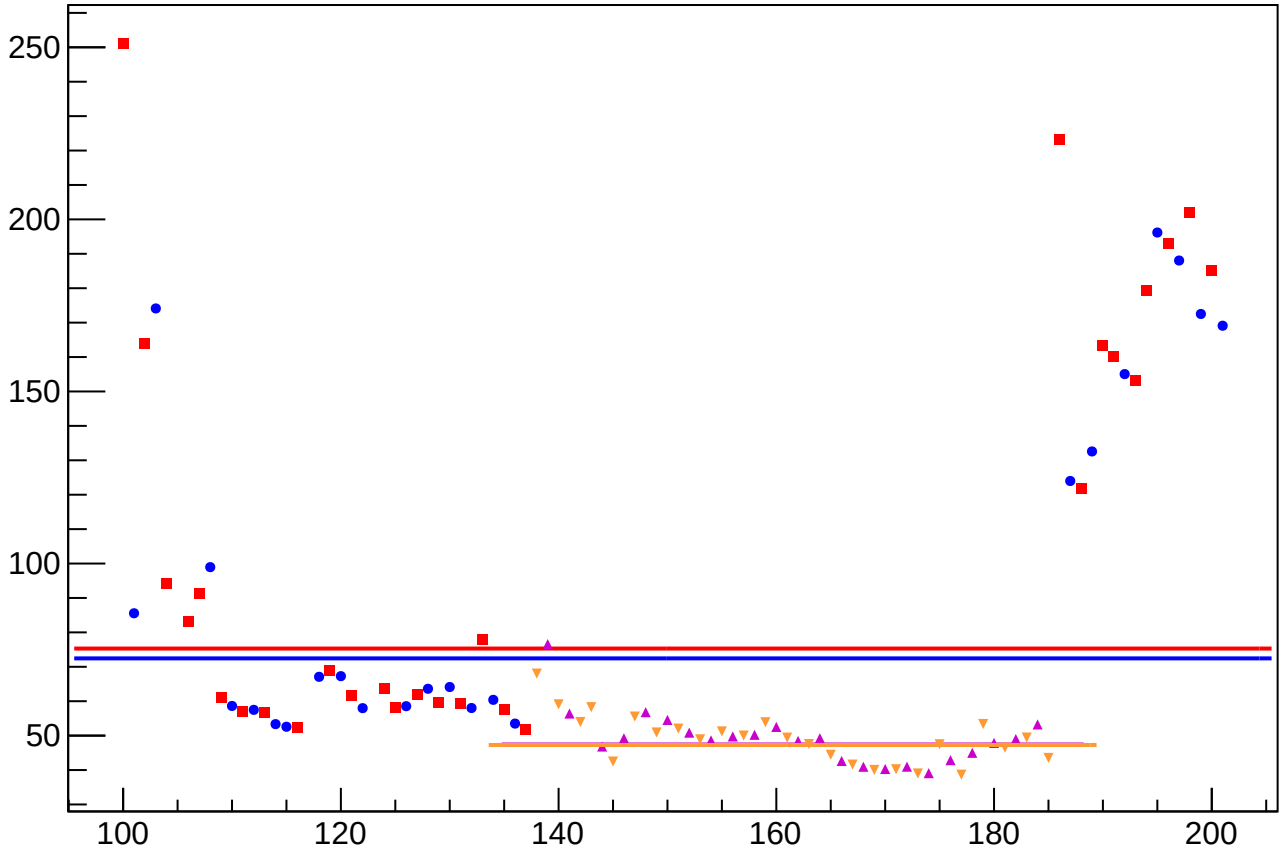
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -12.747+/-9.840 χ^2/NDF: 67.7/47

All: -6.040+/-7.041 χ^2/NDF: 143.5/98

- sign 0.996+/-10.078 χ^2/NDF: 74.9/50

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

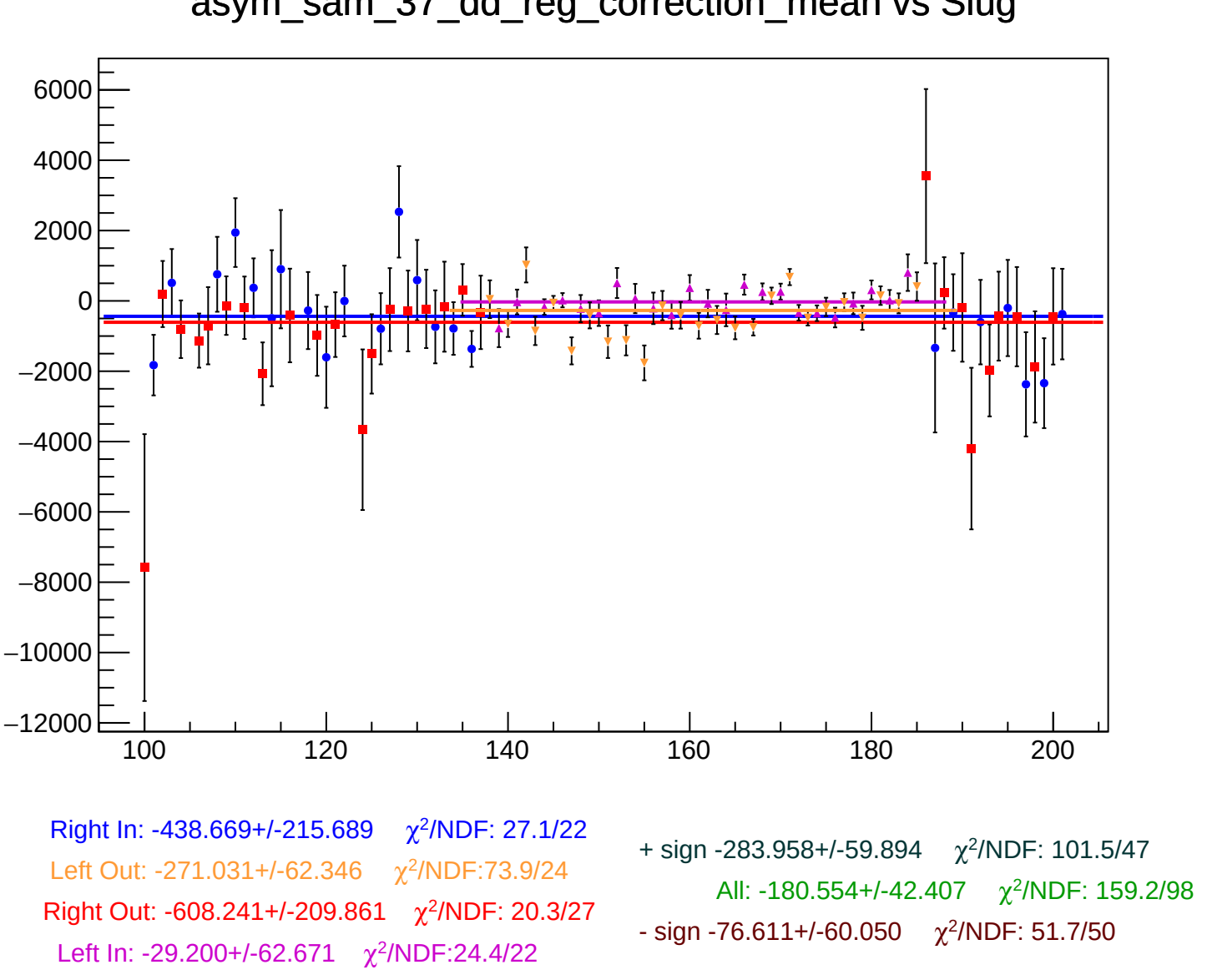
Right Out: 75.302+/-0.016 χ^2/NDF: 5115490.8/27

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

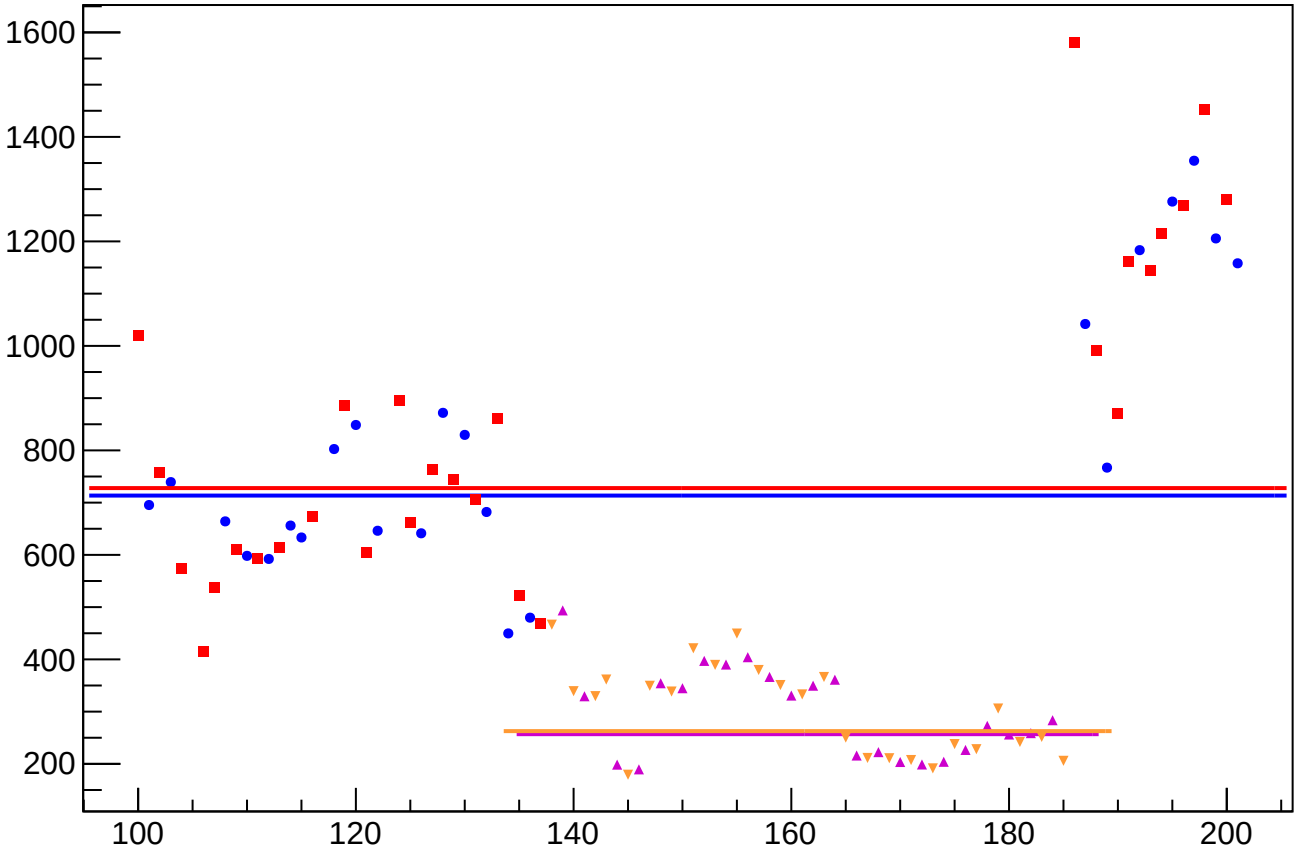
+ sign 51.892+/-0.007 χ^2/NDF: 7016554.6/47

All: 52.336+/-0.005 χ^2/NDF: 15178855.6/98

- sign 52.803+/-0.007 χ^2/NDF: 8153929.0/50


asym_sam_37_dd_reg_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -438.669+/-215.689 χ²/NDF: 27.1/22
Left Out: -271.031+/-62.346 χ²/NDF:73.9/24
Right Out: -608.241+/-209.861 χ²/NDF: 20.3/27
Left In: -29.200+/-62.671 χ²/NDF:24.4/22
+ sign -283.958+/-59.894 χ²/NDF: 101.5/47
All: -180.554+/-42.407 χ²/NDF: 159.2/98
- sign -76.611+/-60.050 χ²/NDF: 51.7/50

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: 727.838+/-0.148 χ^2/NDF: 2990153.7/27

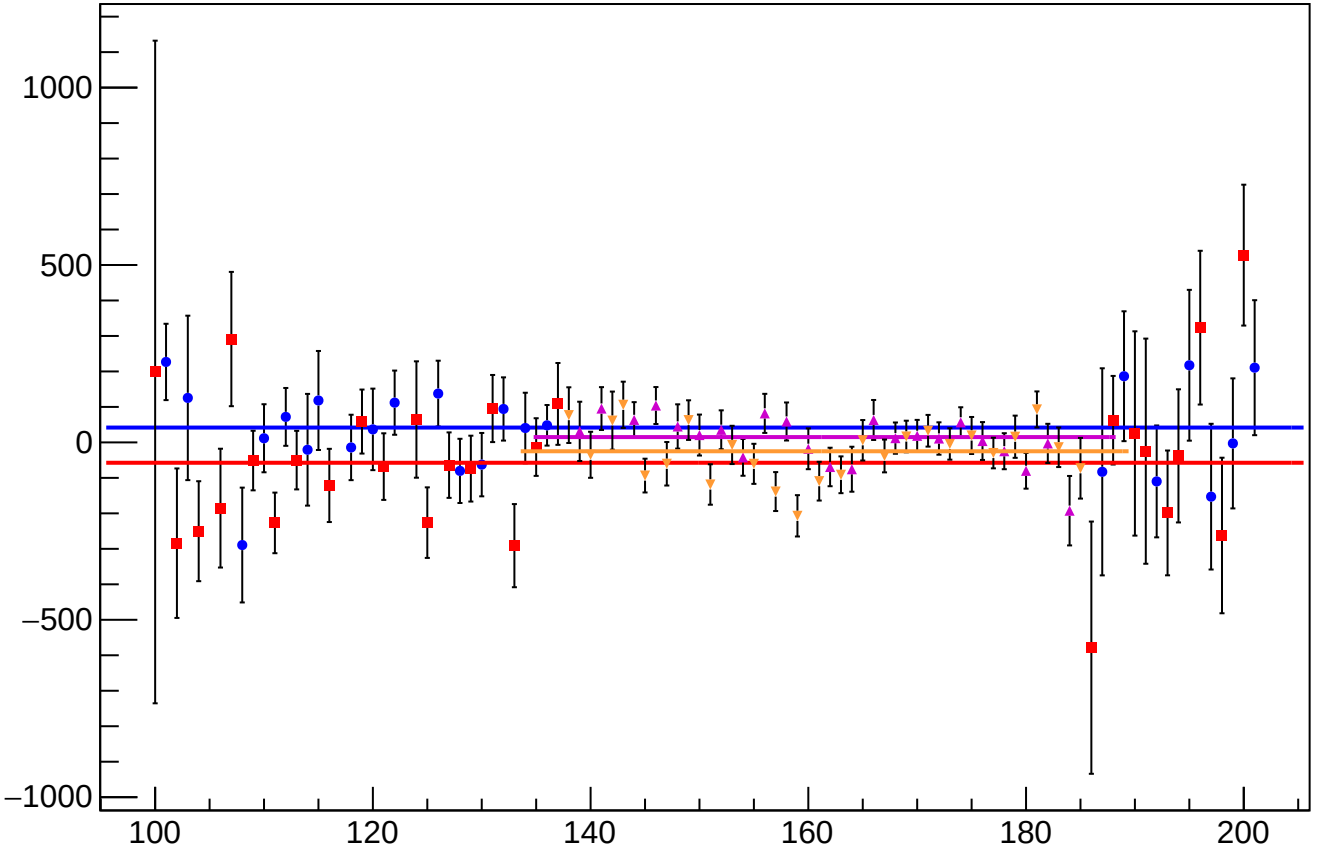
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 297.443+/-0.042 χ^2/NDF: 13404040.2/47

All: 296.427+/-0.030 χ^2/NDF: 28283678.7/98

- sign 295.406+/-0.042 χ^2/NDF: 14878485.5/50

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: -57.403+/-22.946 χ^2/NDF: 42.0/27

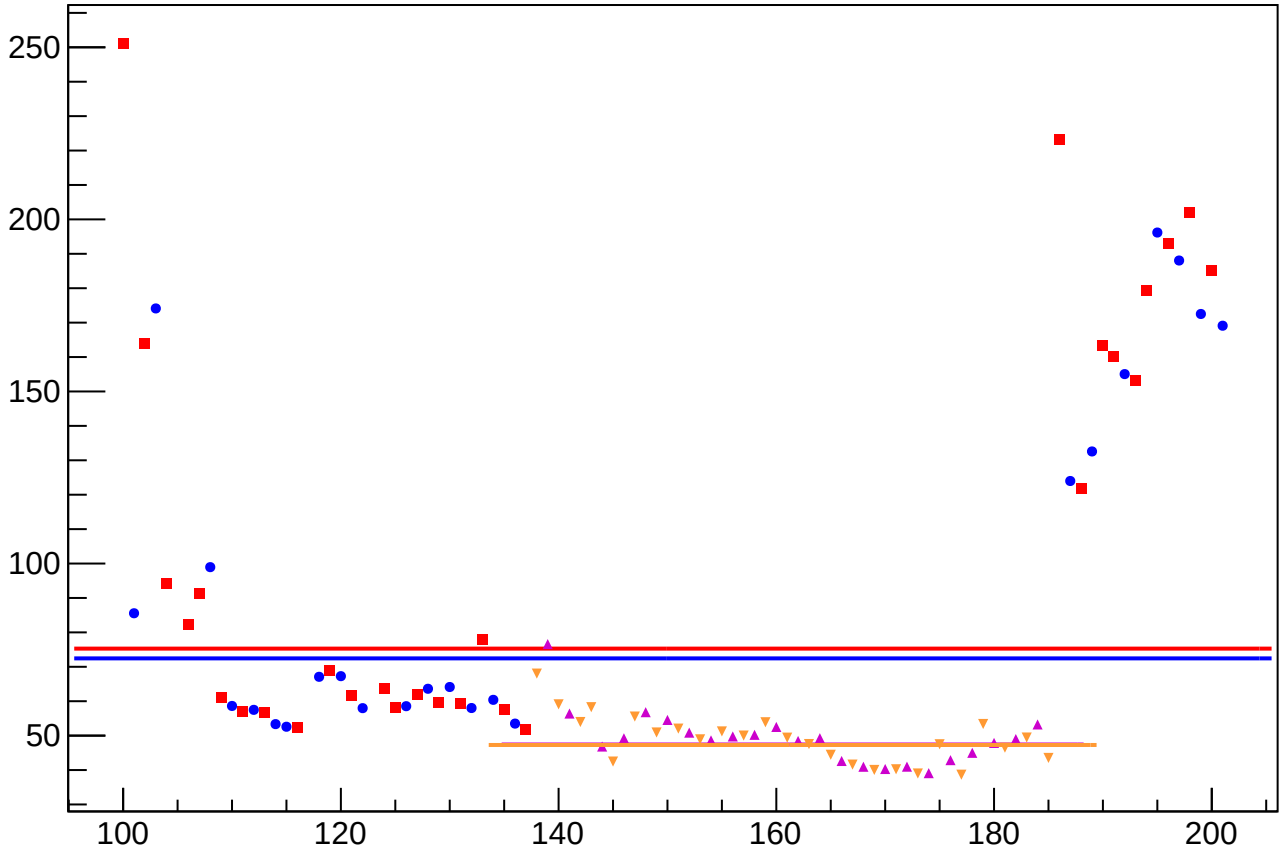
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -12.746+/-9.840 χ^2/NDF: 67.7/47

All: -6.024+/-7.041 χ^2/NDF: 143.4/98

- sign 1.027+/-10.078 χ^2/NDF: 74.7/50

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

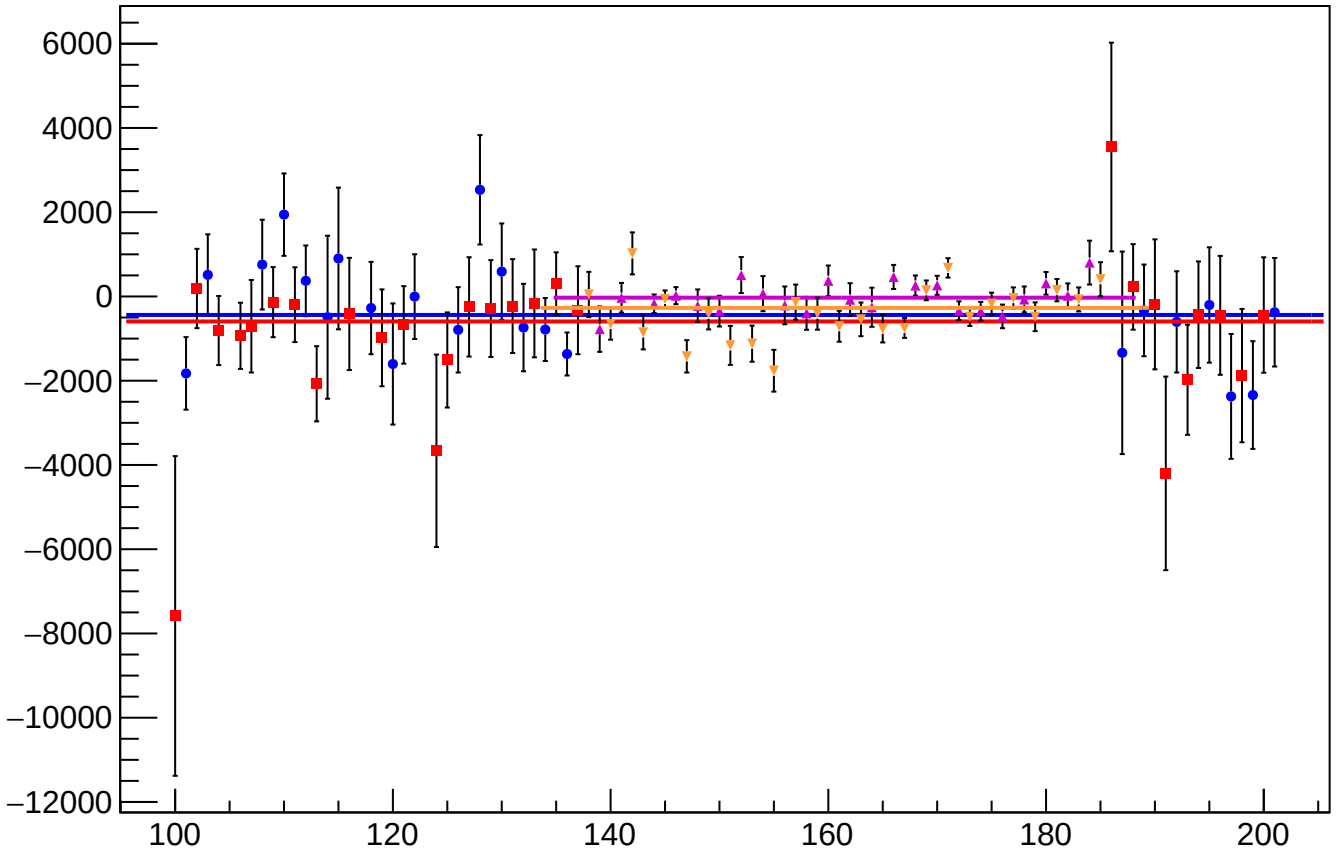
Right Out: 75.282+/-0.016 χ^2/NDF: 5114567.0/27

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.892+/-0.007 χ^2/NDF: 7016556.3/47

All: 52.334+/-0.005 χ^2/NDF: 15174218.8/98

- sign 52.799+/-0.007 χ^2/NDF: 8149370.1/50



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: -593.222+/-210.177 χ^2/NDF: 20.0/27

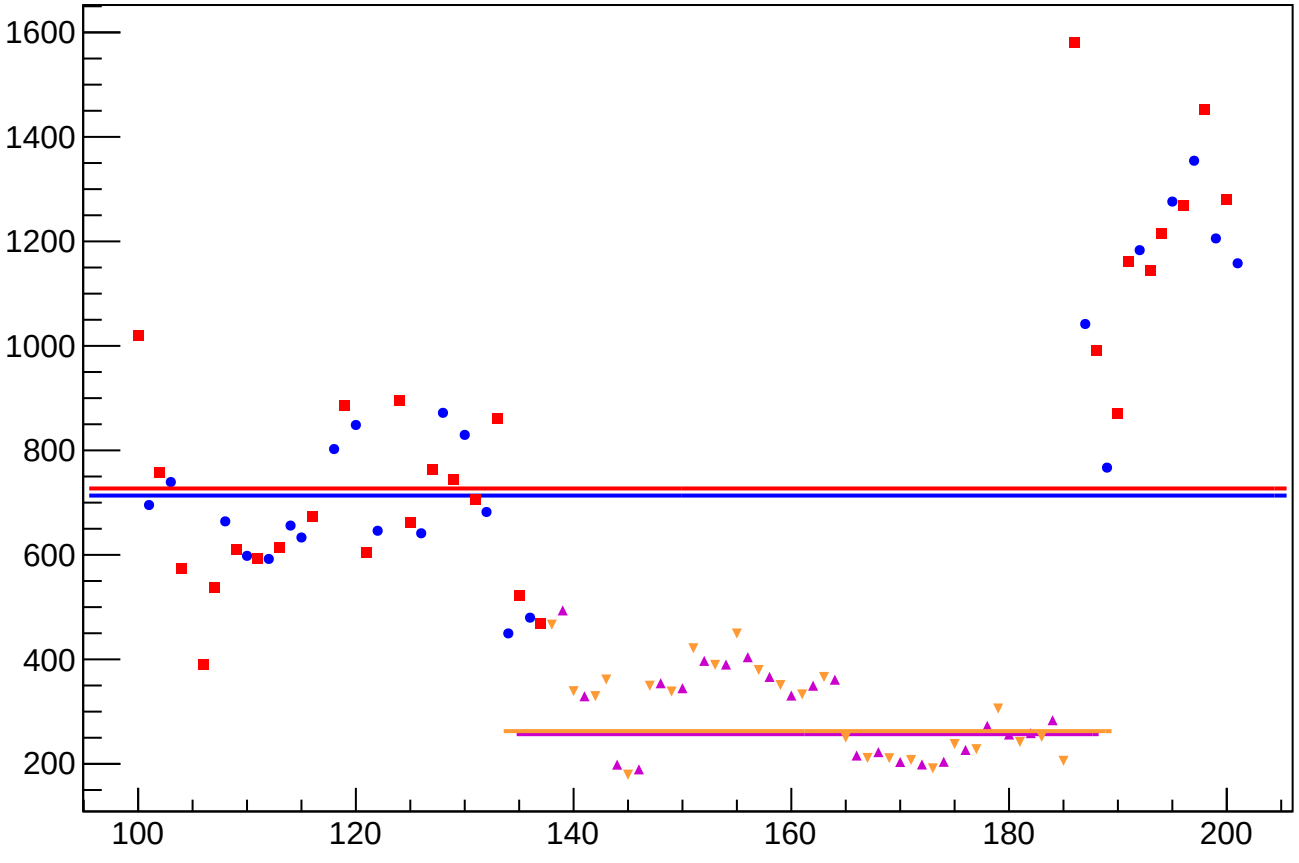
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -283.953+/-59.894 χ^2/NDF: 101.5/47

All: -179.889+/-42.409 χ^2/NDF: 158.6/98

- sign -75.255+/-60.058 χ^2/NDF: 51.0/50

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: 727.108+/-0.149 χ^2/NDF: 3026652.7/27

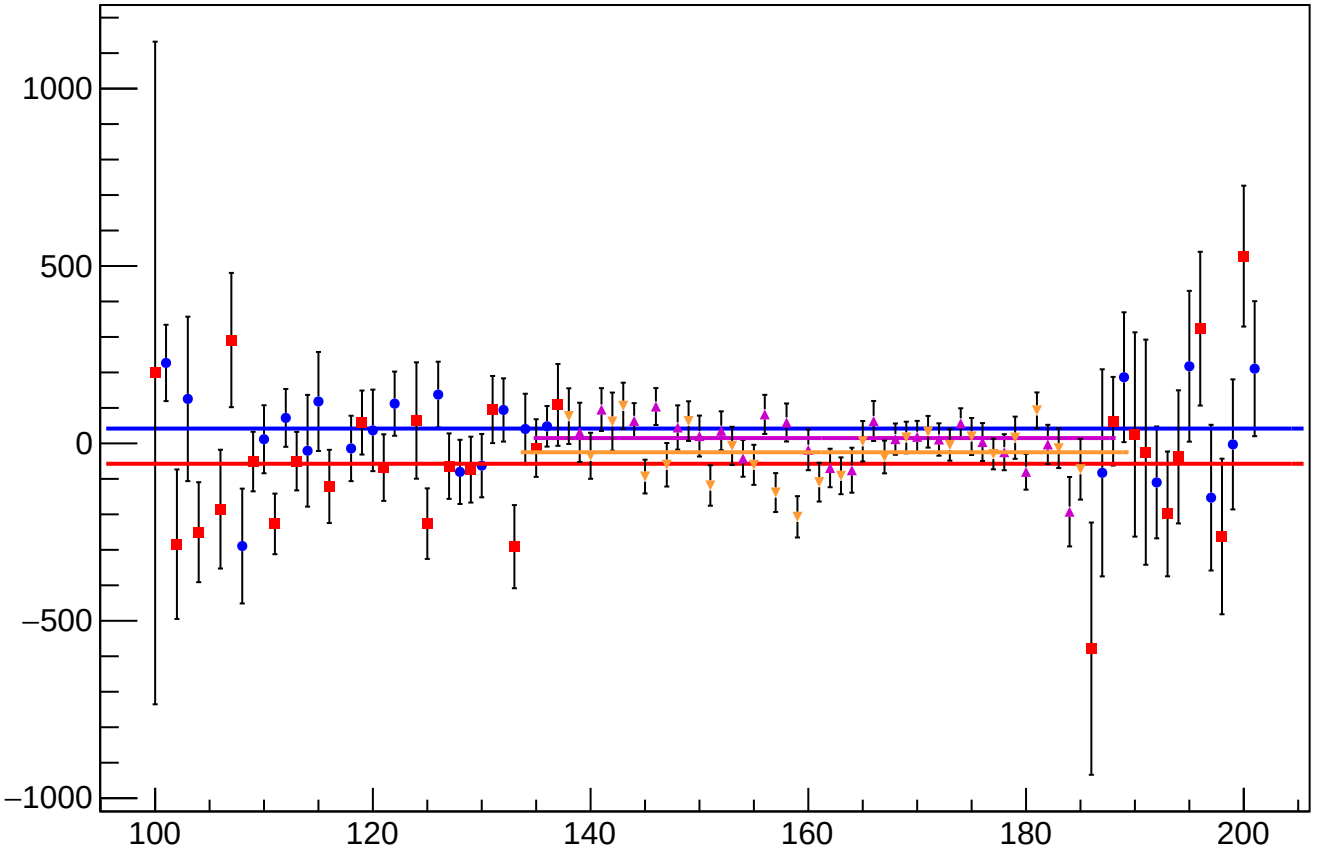
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 297.442+/-0.042 χ^2/NDF: 13404096.0/47

All: 296.344+/-0.030 χ^2/NDF: 28266296.8/98

- sign 295.240+/-0.042 χ^2/NDF: 14860852.4/50

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: -57.403+/-22.946 χ^2/NDF: 42.0/27

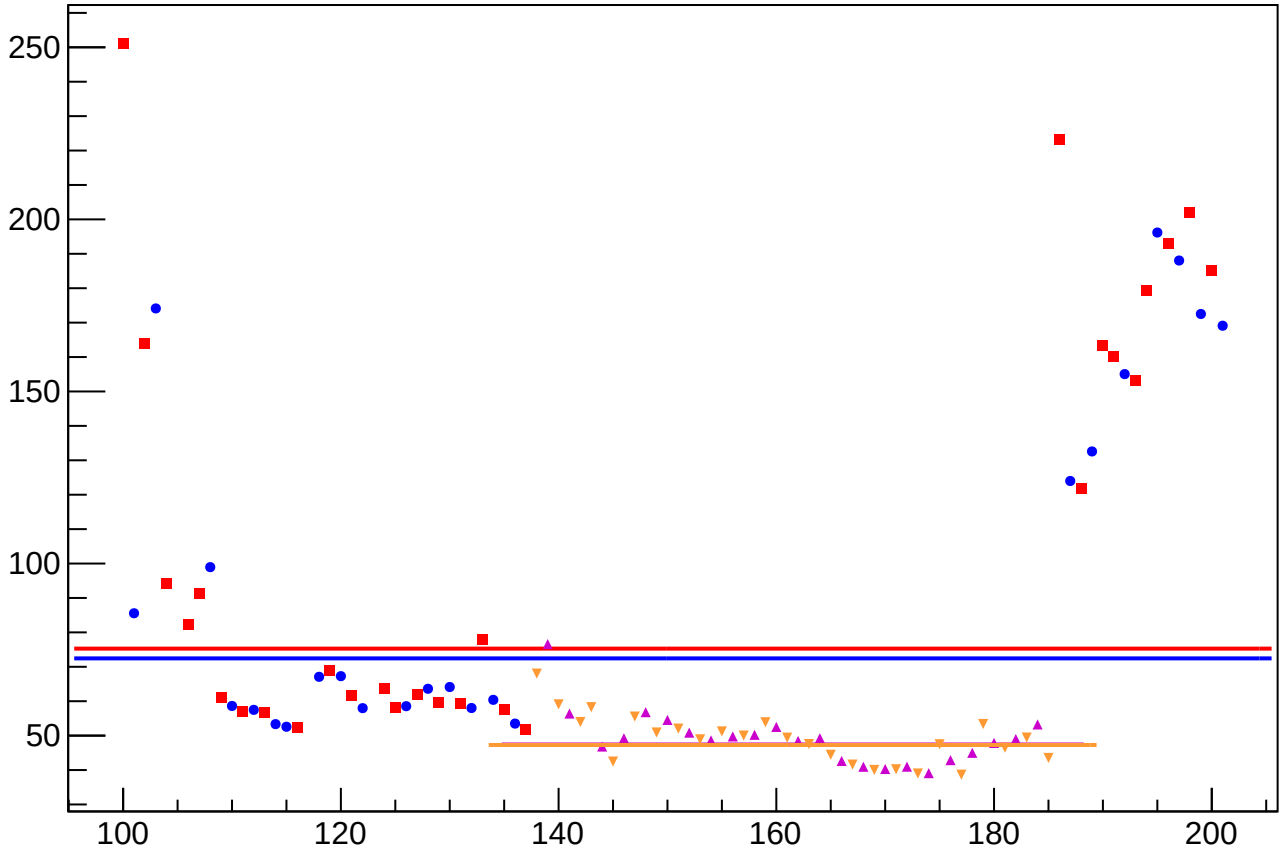
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -12.746+/-9.840 χ^2/NDF: 67.7/47

All: -6.024+/-7.041 χ^2/NDF: 143.4/98

- sign 1.027+/-10.078 χ^2/NDF: 74.7/50

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

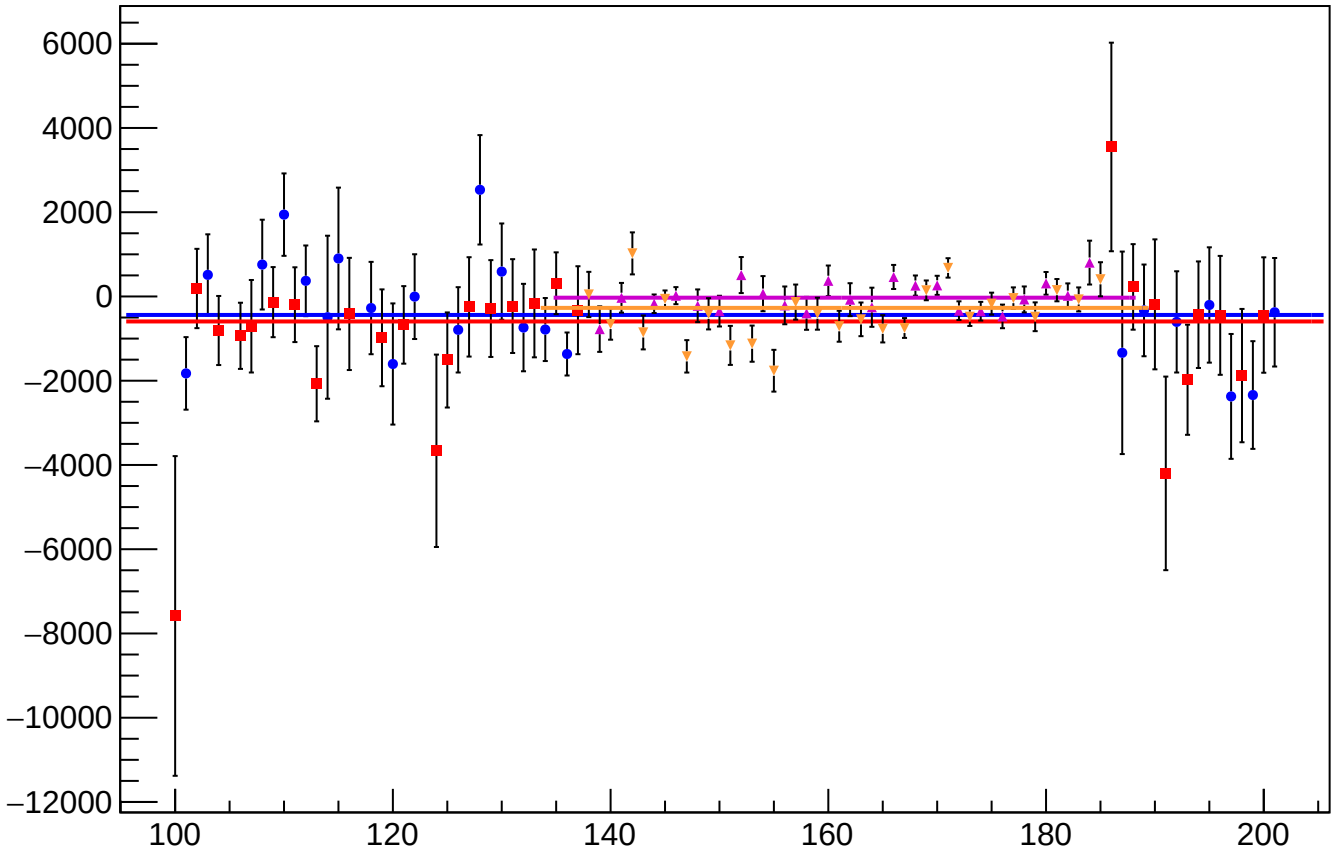
Right Out: 75.282+/-0.016 χ^2/NDF: 5114567.0/27

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.892+/-0.007 χ^2/NDF: 7016556.3/47

All: 52.334+/-0.005 χ^2/NDF: 15174218.8/98

- sign 52.799+/-0.007 χ^2/NDF: 8149370.1/50



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: -593.222+/-210.177 χ^2/NDF: 20.0/27

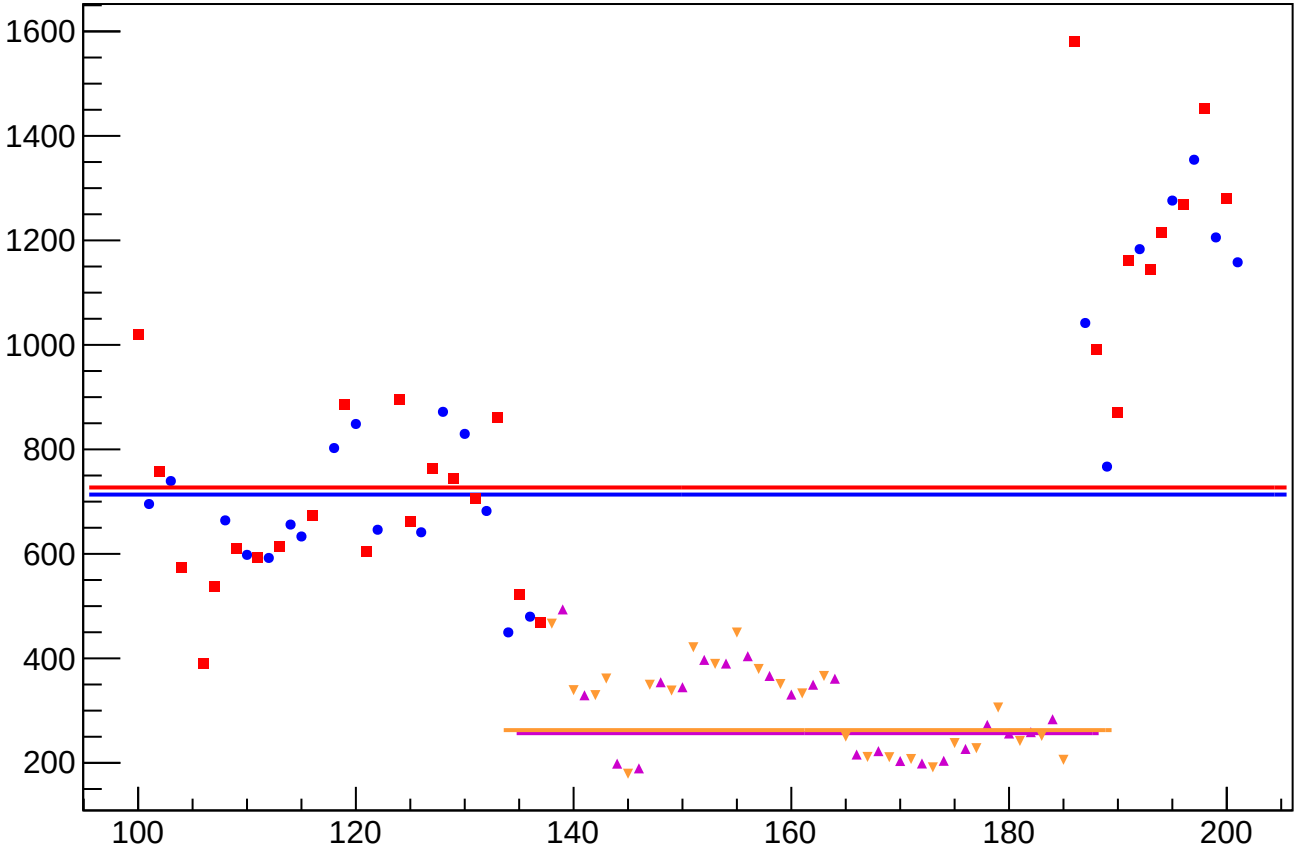
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -283.953+/-59.894 χ^2/NDF: 101.5/47

All: -179.889+/-42.409 χ^2/NDF: 158.6/98

- sign -75.255+/-60.058 χ^2/NDF: 51.0/50

asym_sam_37_dd_eigen_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: 727.108+/-0.149 χ^2/NDF: 3026652.7/27

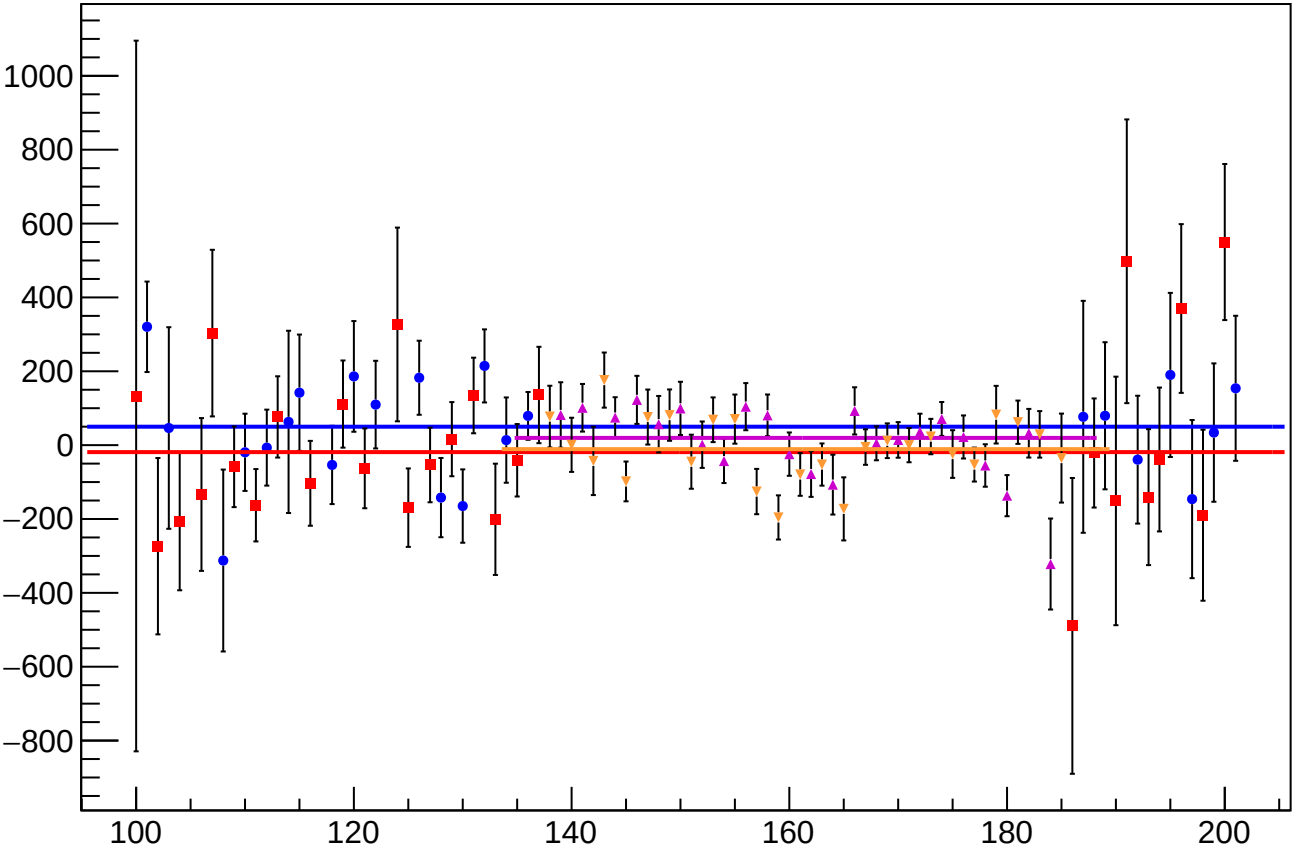
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 297.442+/-0.042 χ^2/NDF: 13404096.0/47

All: 296.344+/-0.030 χ^2/NDF: 28266296.8/98

- sign 295.240+/-0.042 χ^2/NDF: 14860852.4/50

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: -18.871+/-26.917 χ^2/NDF: 33.1/27

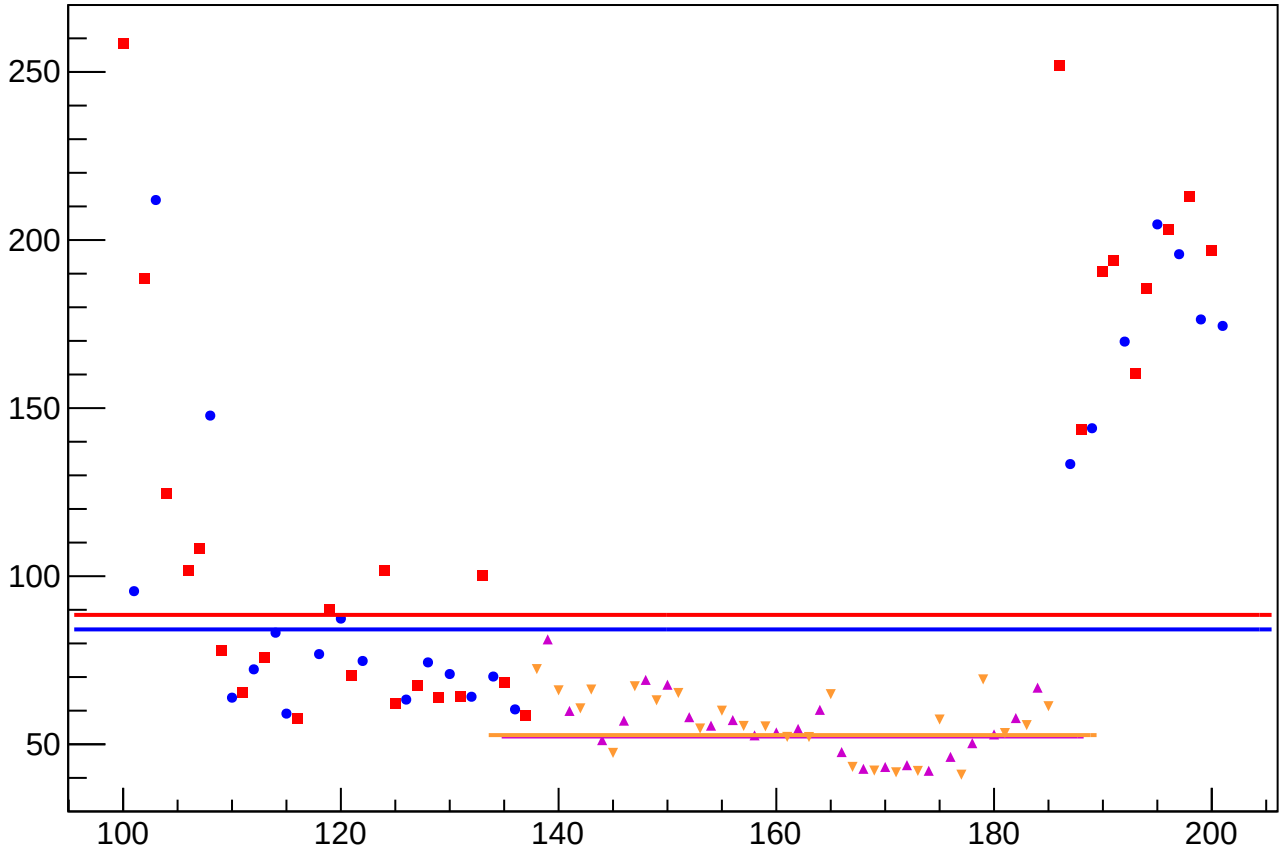
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.121+/-11.169 χ^2/NDF: 69.4/47

All: 6.190+/-7.968 χ^2/NDF: 141.6/98

- sign 12.732+/-11.371 χ^2/NDF: 71.6/50

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

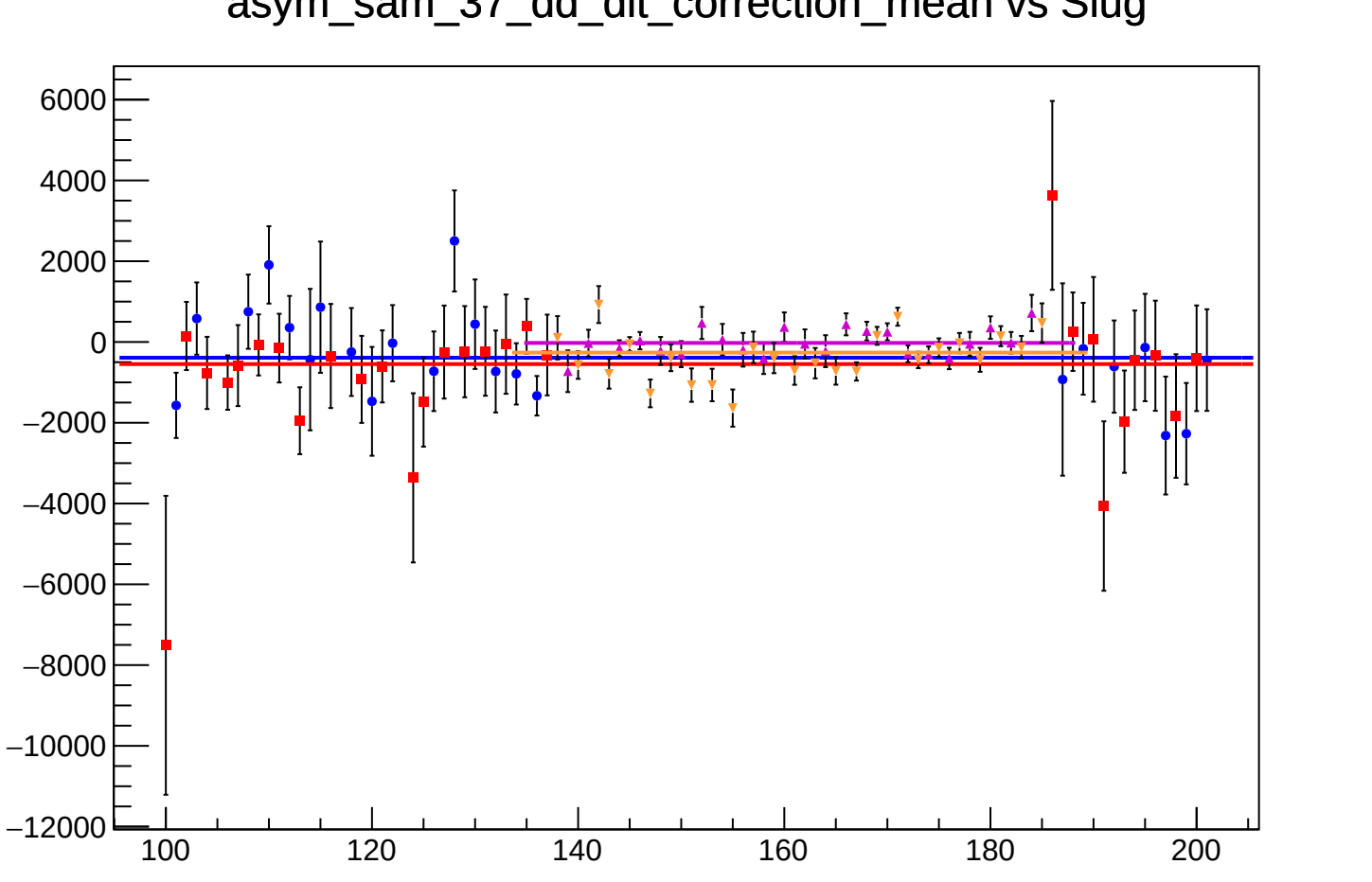
Right Out: 88.489+/-0.019 χ^2/NDF: 4877538.7/27

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 58.271+/-0.008 χ^2/NDF: 7510074.5/47

All: 58.516+/-0.006 χ^2/NDF: 16249219.3/98

- sign 58.770+/-0.008 χ^2/NDF: 8737181.1/50



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: -547.246+/-199.144 χ^2/NDF: 22.1/27

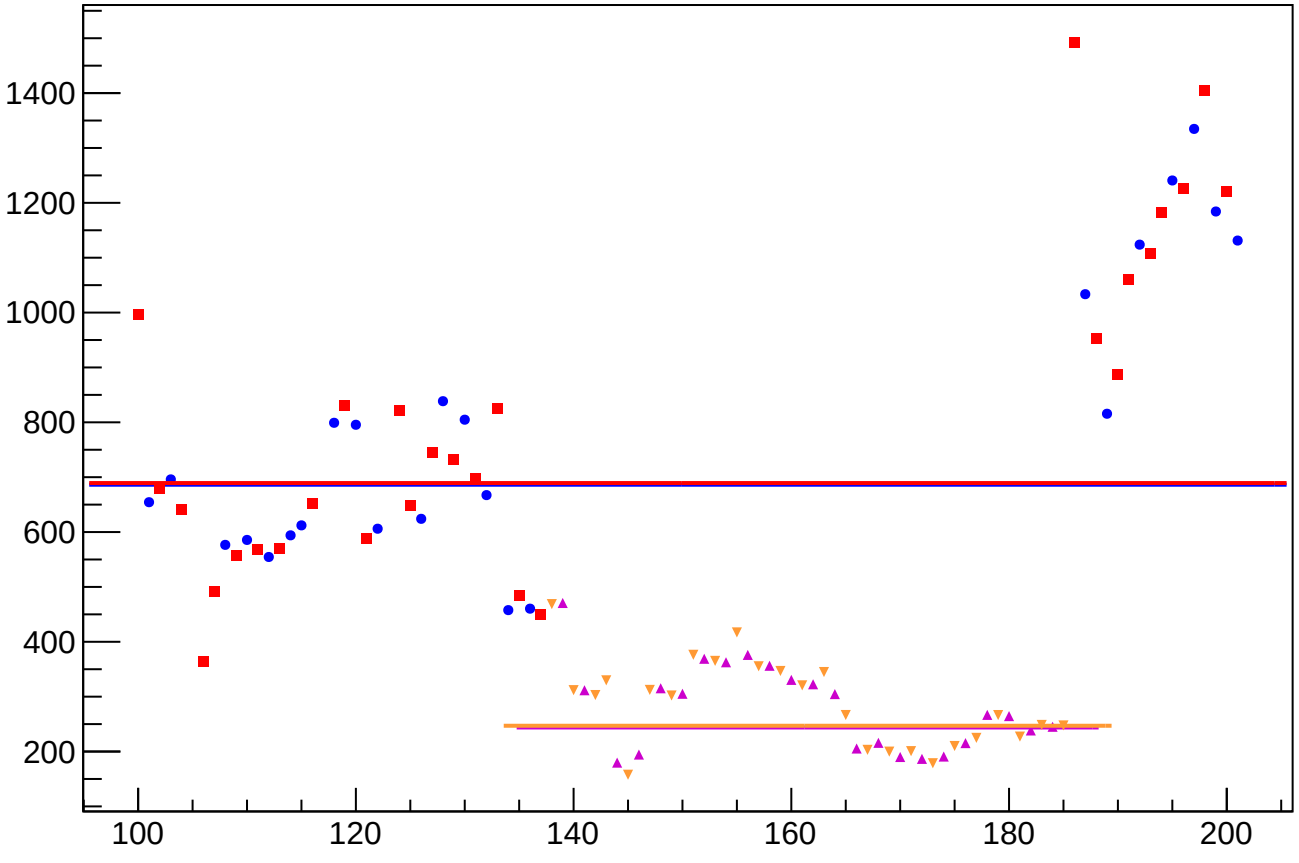
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -271.989+/-56.300 χ^2/NDF: 99.7/47

All: -170.248+/-40.027 χ^2/NDF: 159.0/98

- sign -66.257+/-56.919 χ^2/NDF: 52.6/50

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: 689.310+/-0.141 χ^2/NDF: 3209855.7/27

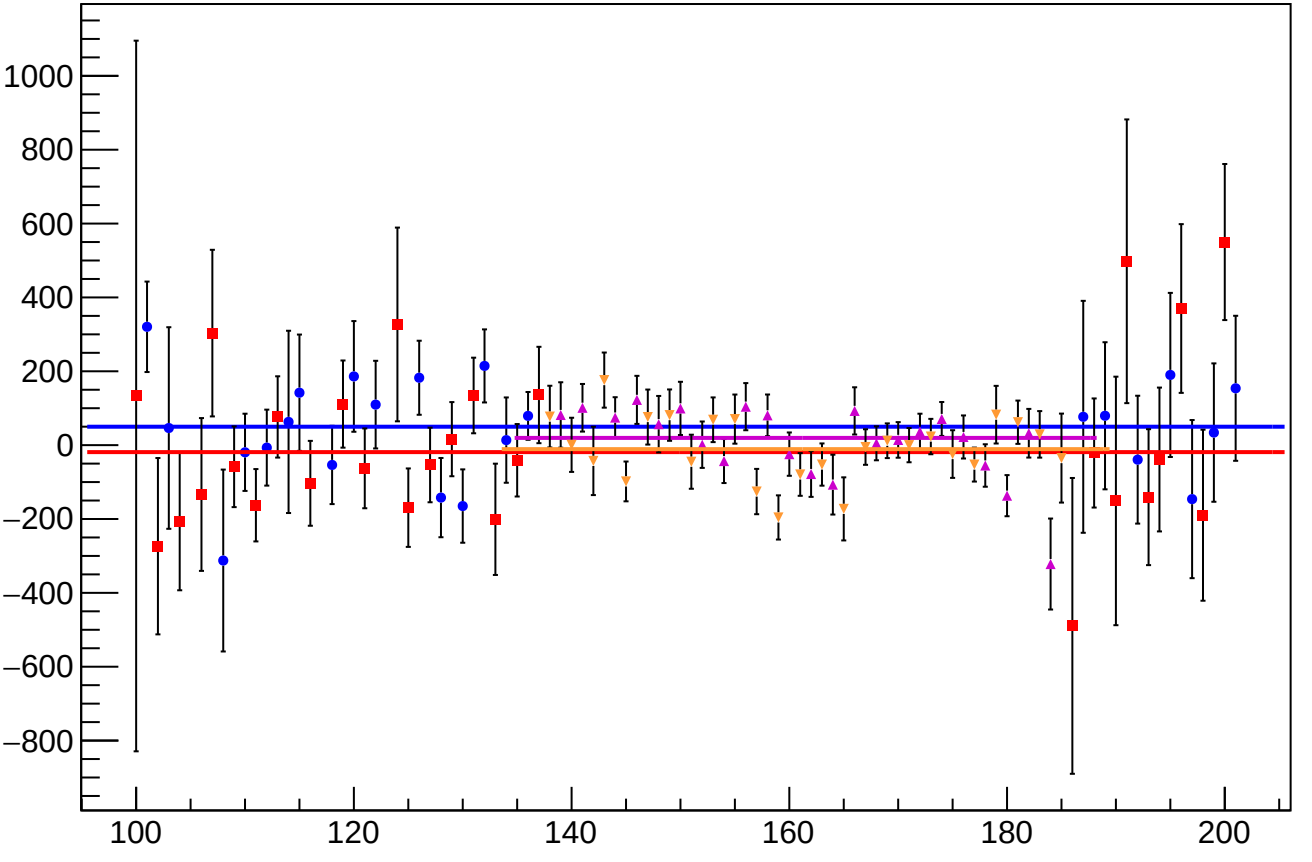
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 279.425+/-0.040 χ^2/NDF: 13758238.4/47

All: 279.817+/-0.028 χ^2/NDF: 28649561.5/98

- sign 280.217+/-0.040 χ^2/NDF: 14891127.1/50

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: -18.871+/-26.917 χ^2/NDF: 33.1/27

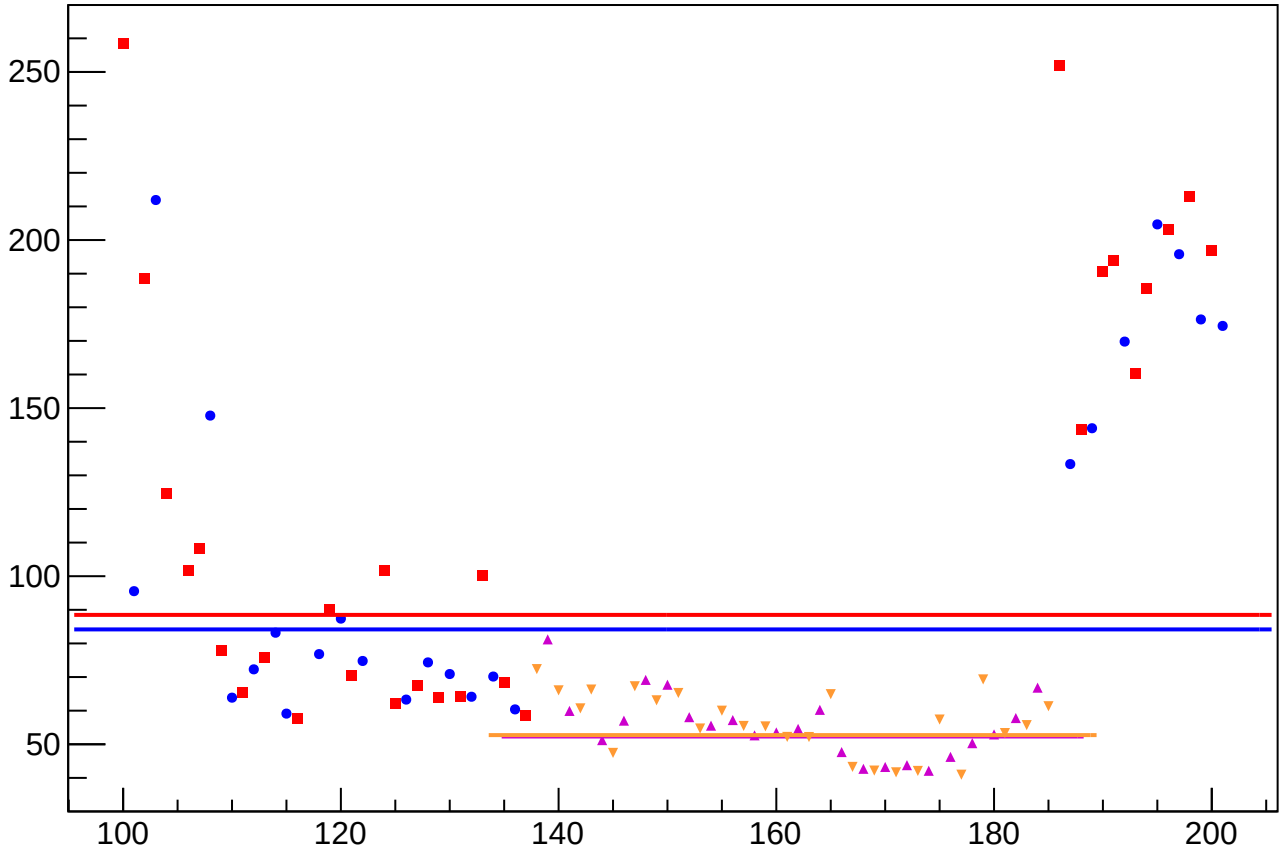
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.120+/-11.169 χ^2/NDF: 69.4/47

All: 6.191+/-7.968 χ^2/NDF: 141.6/98

- sign 12.732+/-11.371 χ^2/NDF: 71.6/50

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

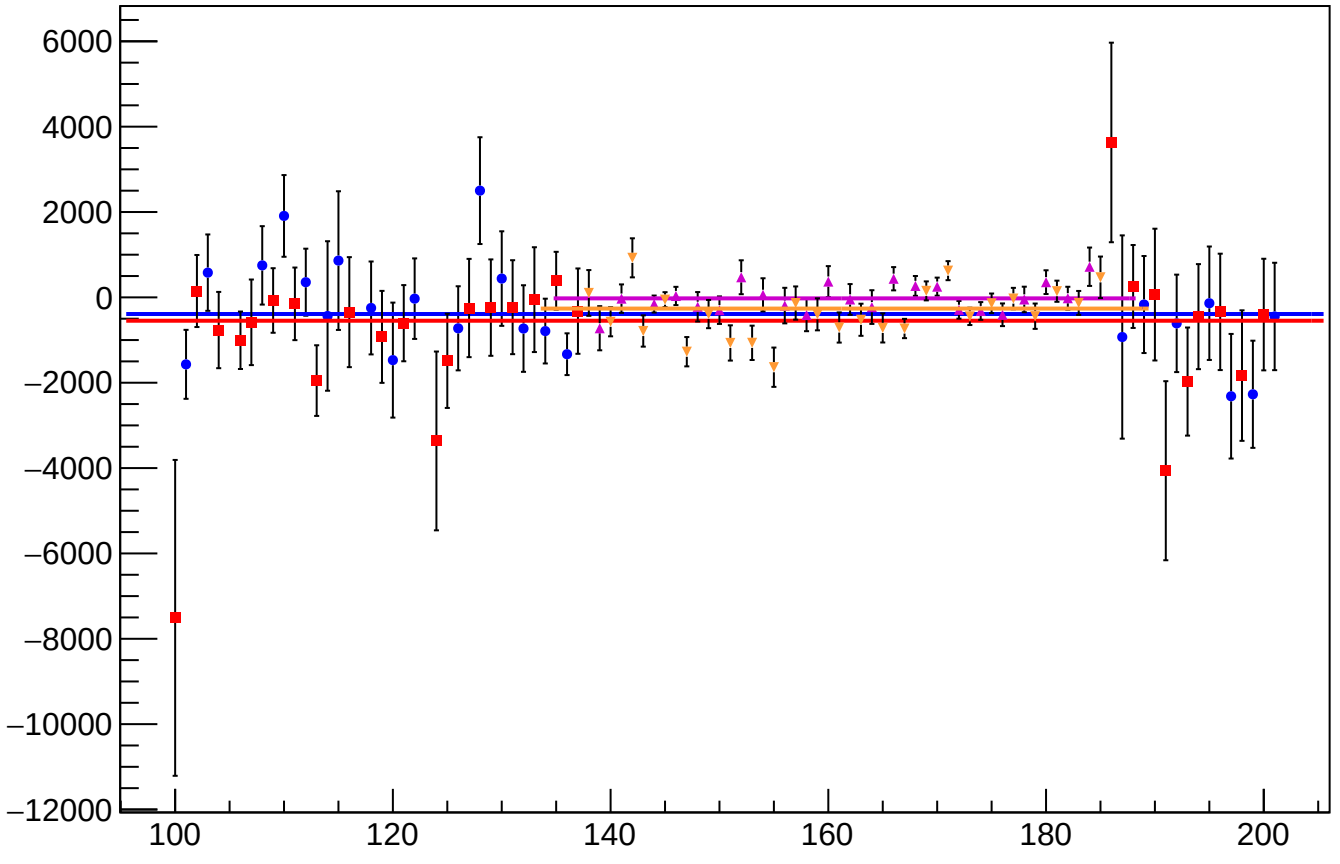
Right Out: 88.489+/-0.019 χ^2/NDF: 4877536.6/27

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 58.271+/-0.008 χ^2/NDF: 7510093.5/47

All: 58.516+/-0.006 χ^2/NDF: 16249224.3/98

- sign 58.770+/-0.008 χ^2/NDF: 8737167.0/50



Right In: -390.009+/-207.209 χ^2/NDF: 27.2/22

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

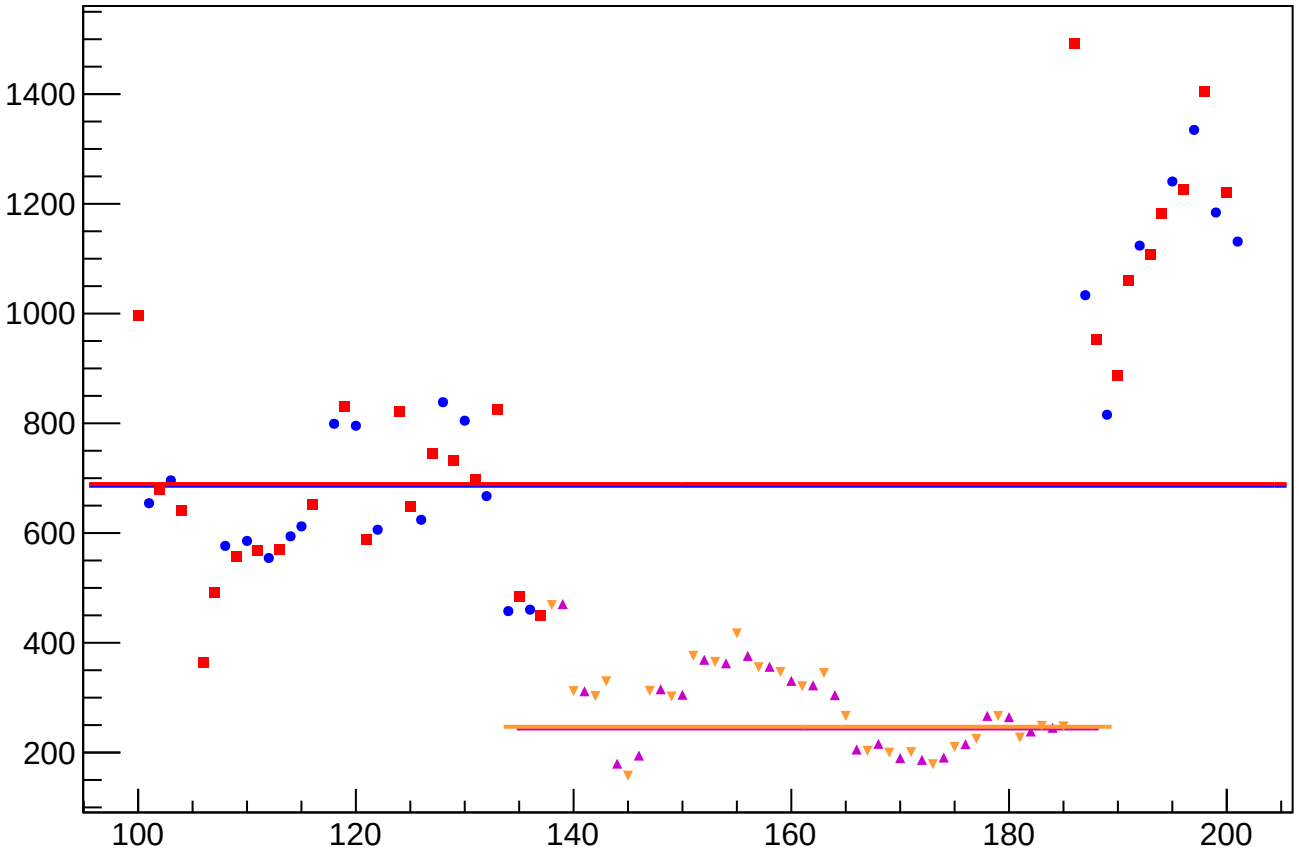
Right Out: -547.246+/-199.144 χ^2/NDF: 22.1/27

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -271.989+/-56.300 χ^2/NDF: 99.7/47

All: -170.248+/-40.027 χ^2/NDF: 159.0/98

- sign -66.257+/-56.919 χ^2/NDF: 52.6/50



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: 689.309+/-0.141 χ^2/NDF: 3209851.2/27

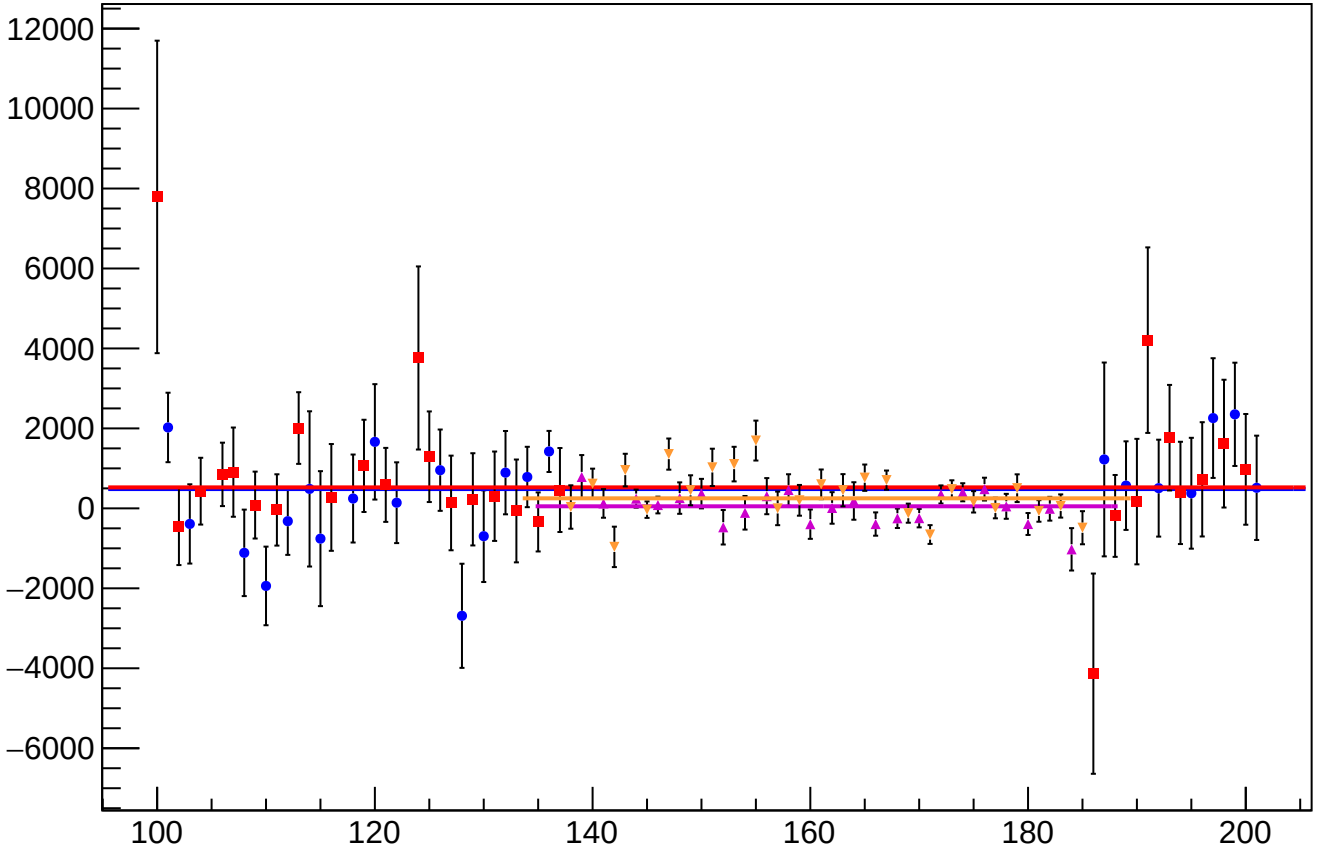
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 279.425+/-0.040 χ^2/NDF: 13758226.9/47

All: 279.817+/-0.028 χ^2/NDF: 28649542.9/98

- sign 280.217+/-0.040 χ^2/NDF: 14891120.1/50

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: 524.870+/-212.031 χ^2/NDF: 20.7/27

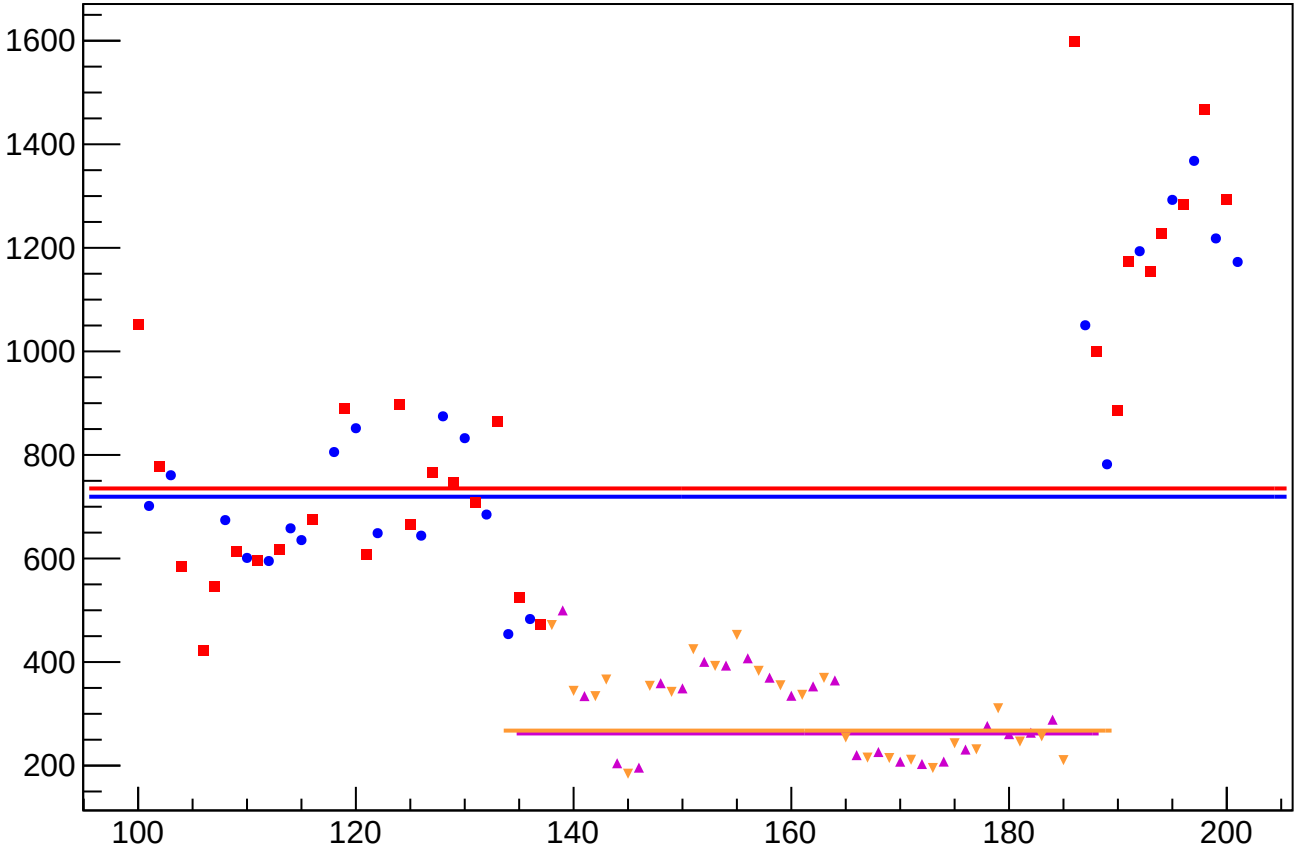
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 269.275+/-60.888 χ^2/NDF: 97.5/47

All: 180.514+/-43.140 χ^2/NDF: 153.9/98

- sign 91.039+/-61.132 χ^2/NDF: 52.1/50

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

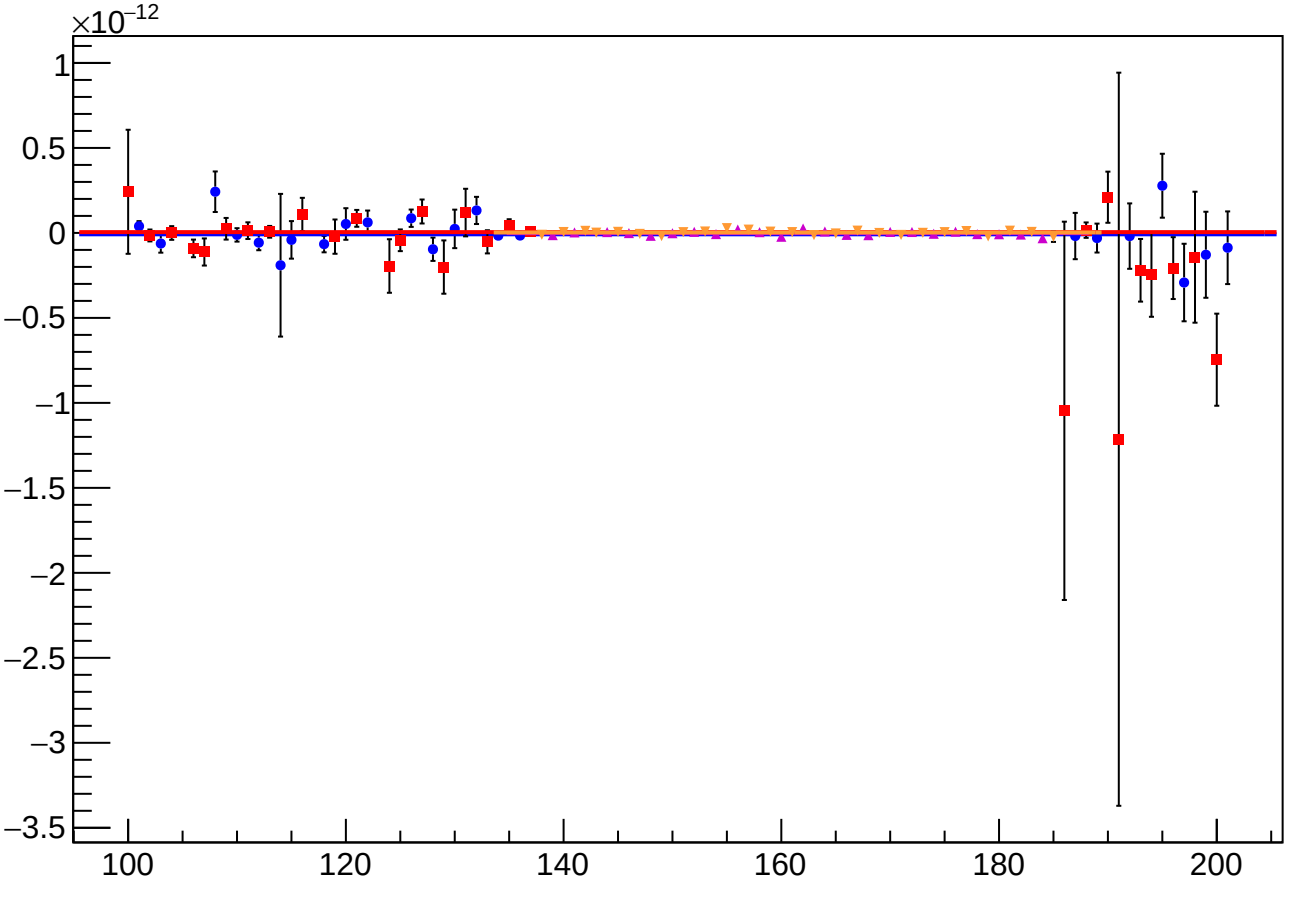
Right Out: 735.272+/-0.150 χ^2/NDF: 2981960.3/27

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 302.987+/-0.043 χ^2/NDF: 13215266.0/47

All: 302.209+/-0.031 χ^2/NDF: 27867921.4/98

- sign 301.426+/-0.043 χ^2/NDF: 14652001.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

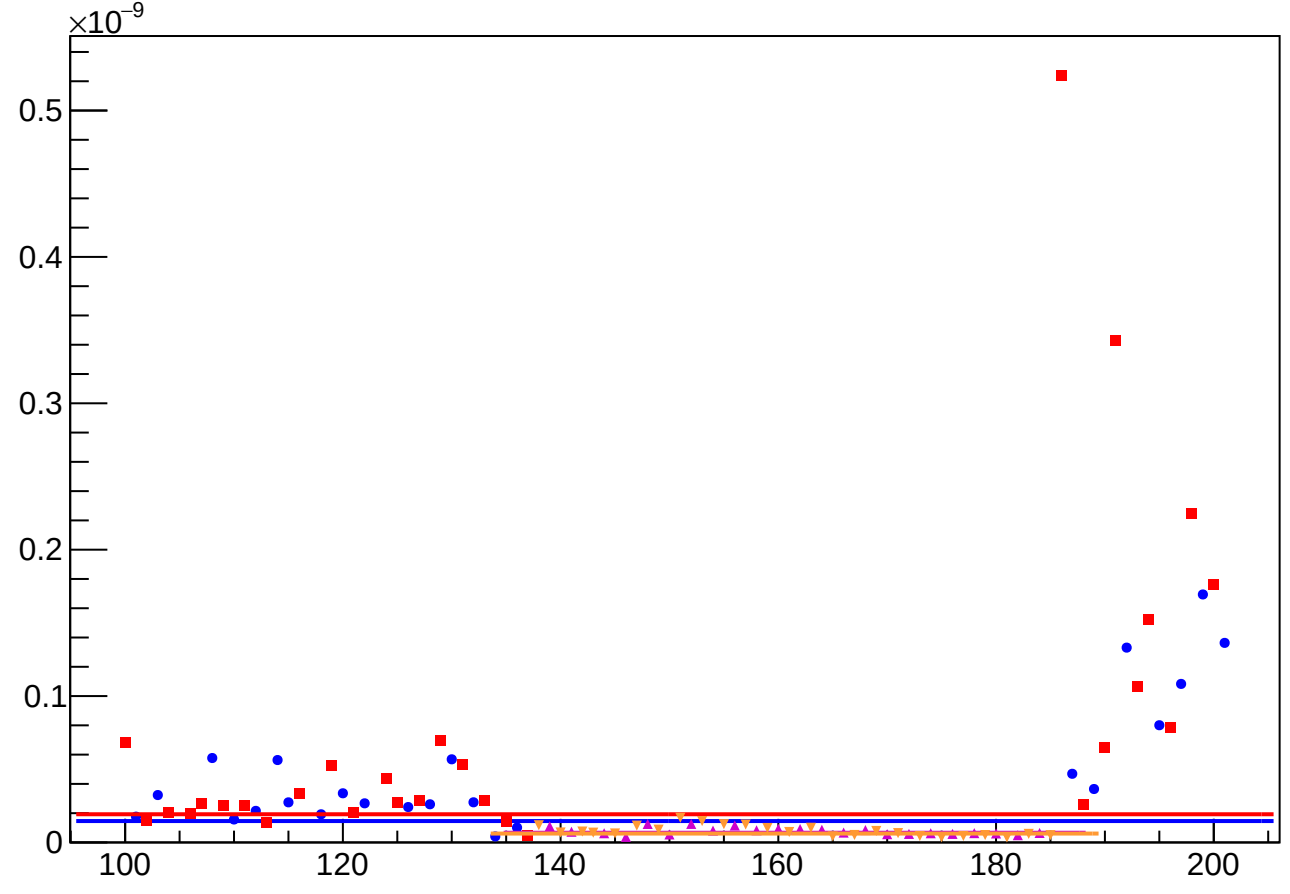
Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/27

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: 89.7/98

- sign -0.000+/-0.000 χ^2/NDF: 47.4/50



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: 4869408.5/27

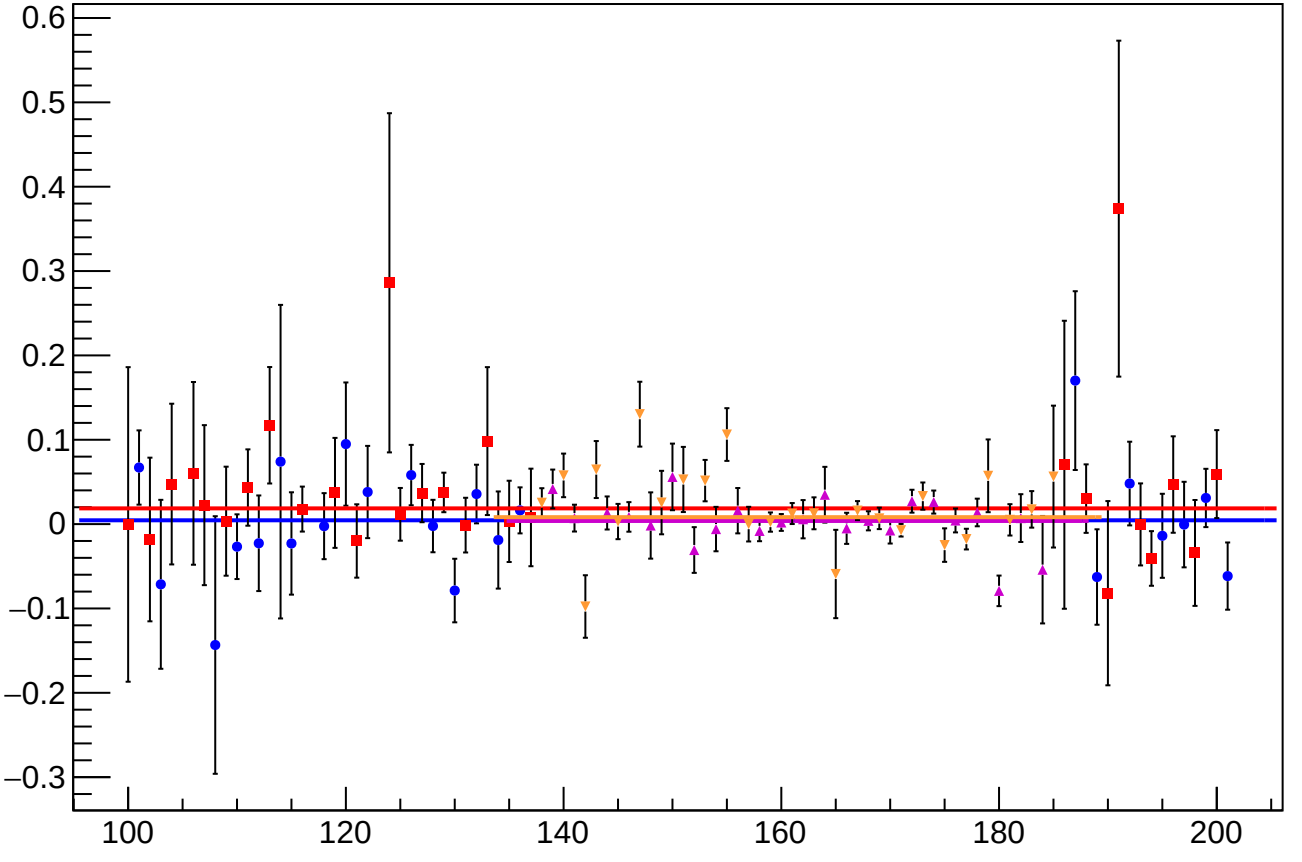
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9119857.4/47

All: 0.000+/-0.000 χ^2/NDF: 17698460.7/98

- sign 0.000+/-0.000 χ^2/NDF: 8502172.3/50

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: 0.019+/-0.009 χ^2/NDF: 17.0/27

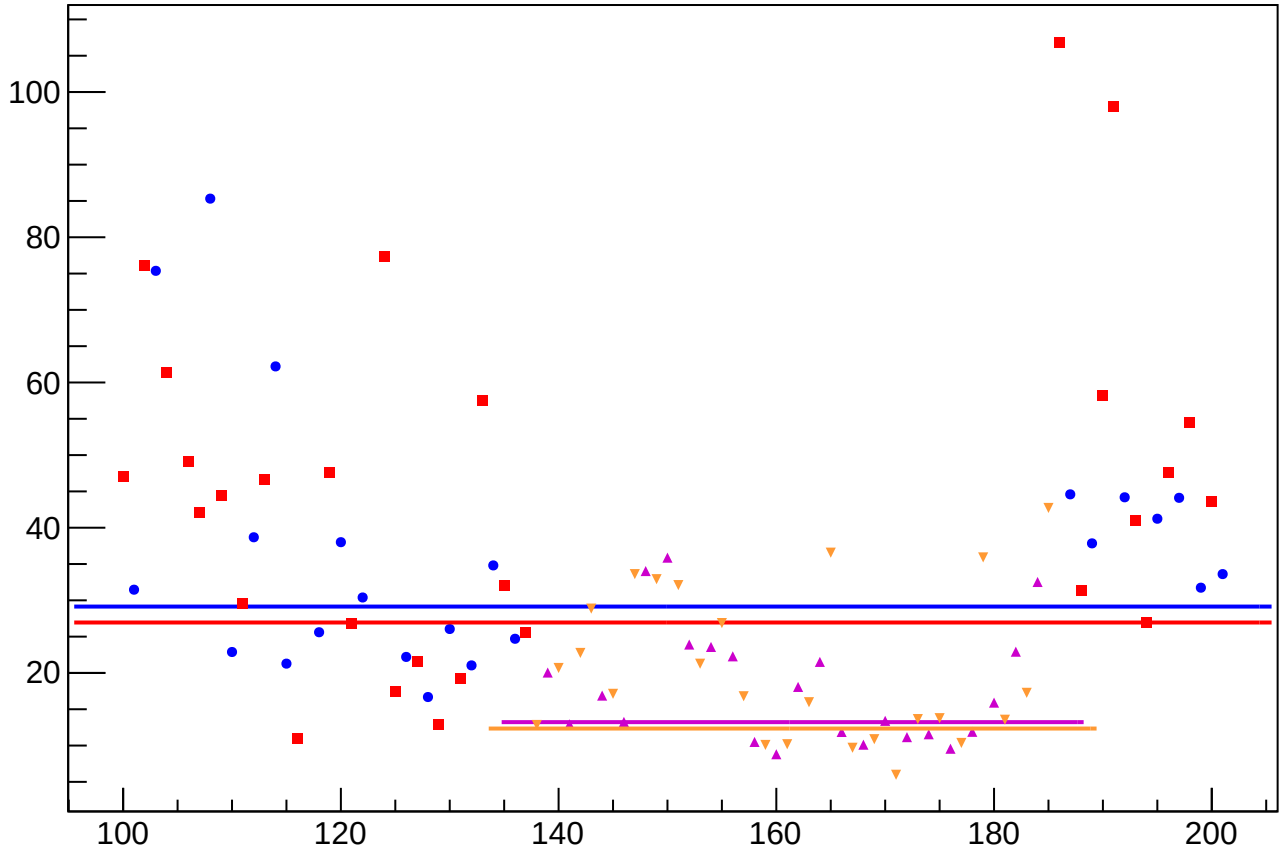
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 82.1/47

All: 0.007+/-0.002 χ^2/NDF: 138.8/98

- sign 0.006+/-0.003 χ^2/NDF: 56.5/50

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

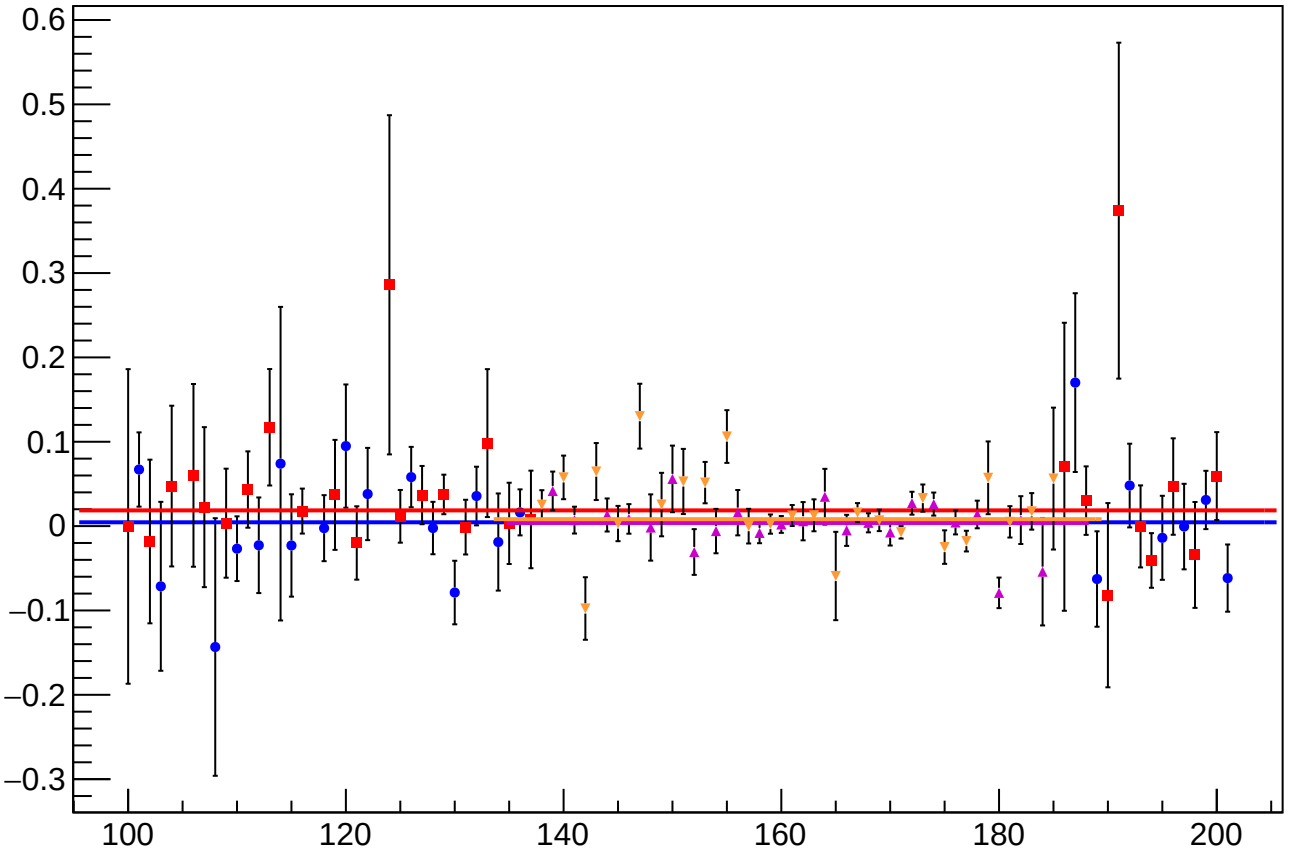
Right Out: 26.946+/-0.006 χ^2/NDF: 5528250.3/27

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.320+/-0.002 χ^2/NDF: 14462126.9/47

All: 14.704+/-0.002 χ^2/NDF: 27853538.7/98

- sign 15.118+/-0.002 χ^2/NDF: 13333319.9/50



Right In: 0.005+/-0.009 χ^2/NDF: 23.2/22

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

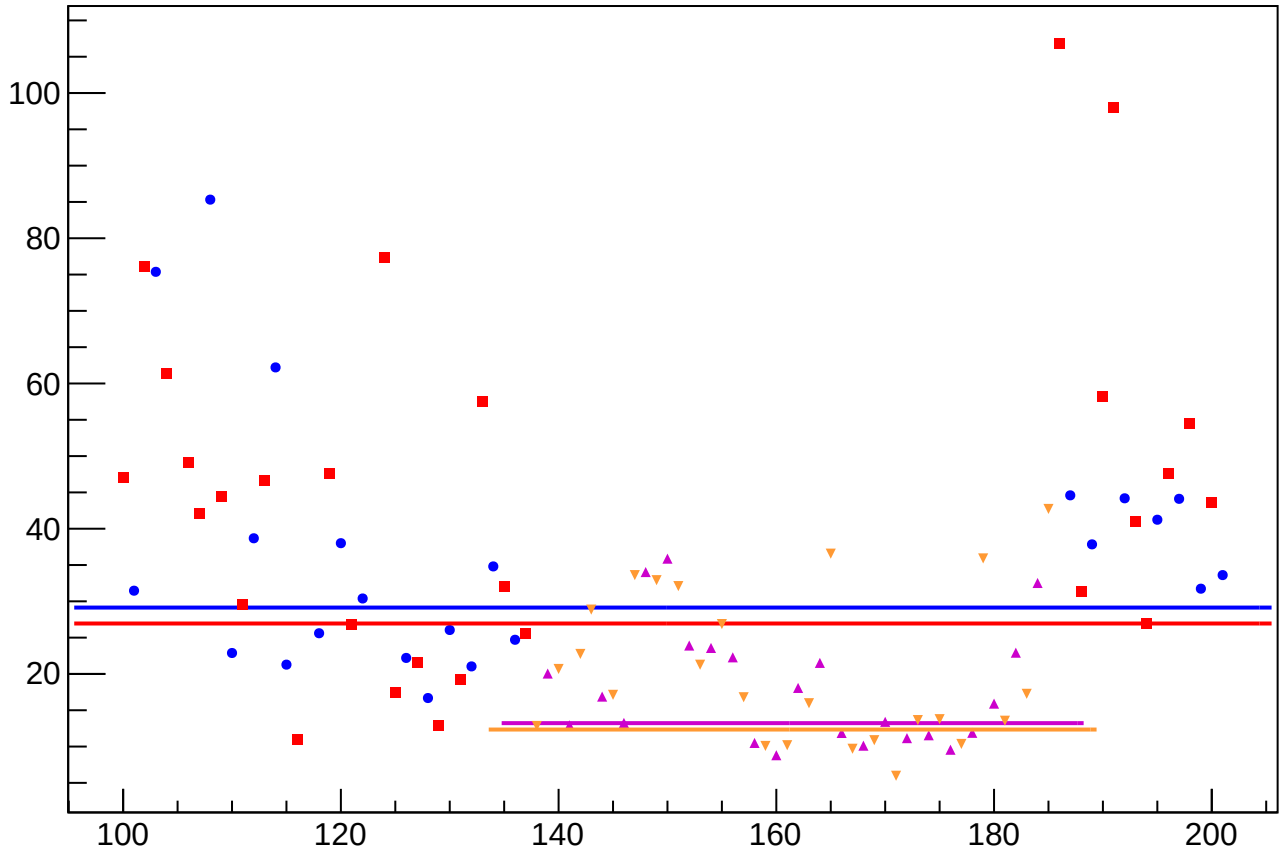
Right Out: 0.019+/-0.009 χ^2/NDF: 17.0/27

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: 138.8/98

- sign 0.006+/-0.003 χ^2/NDF: 56.5/50



Right In: 29.141+/-0.007 χ^2/NDF: 2149892.0/22

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

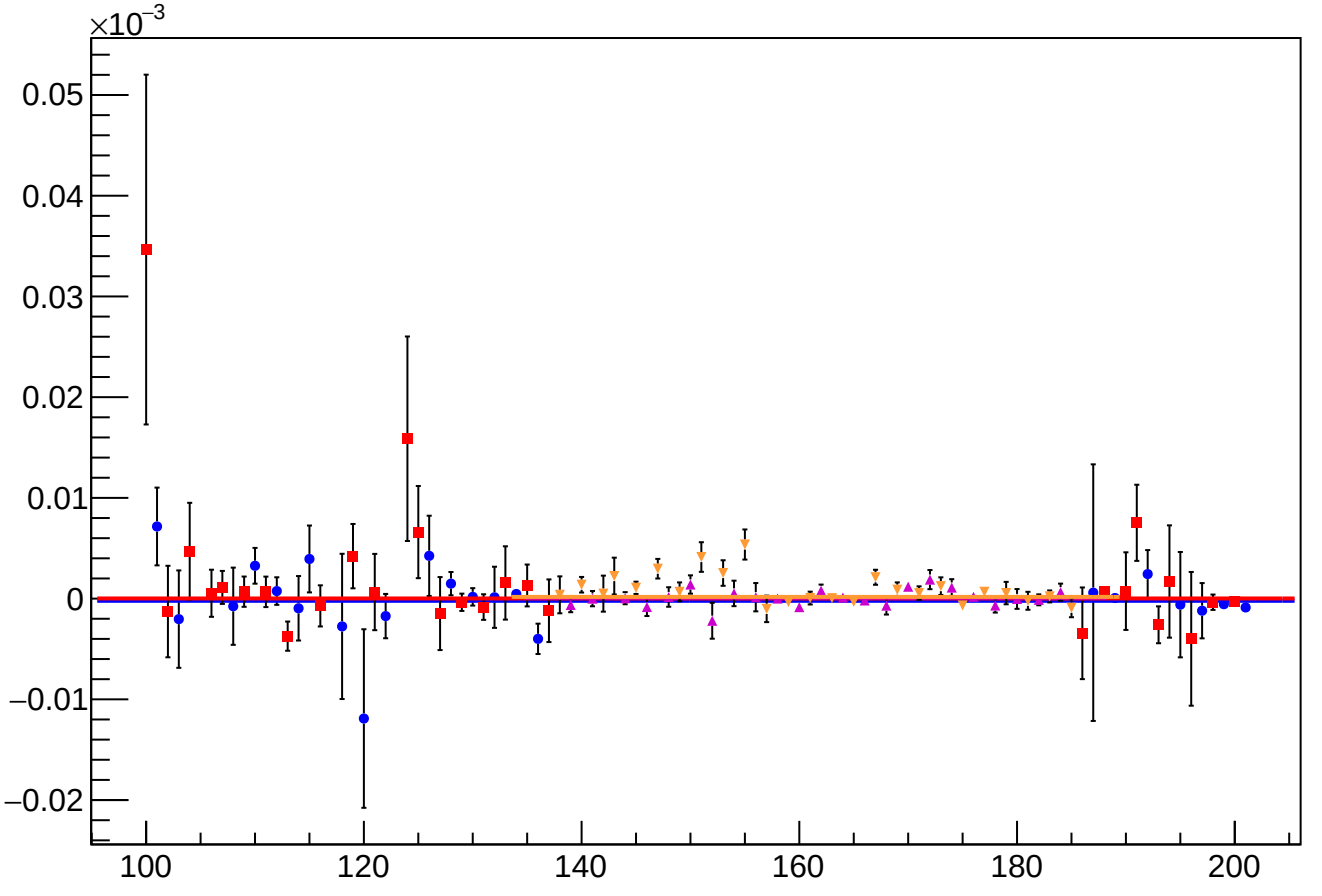
Right Out: 26.946+/-0.006 χ^2/NDF: 5528250.3/27

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.320+/-0.002 χ^2/NDF: 14462126.9/47

All: 14.704+/-0.002 χ^2/NDF: 27853538.7/98

- sign 15.118+/-0.002 χ^2/NDF: 13333319.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

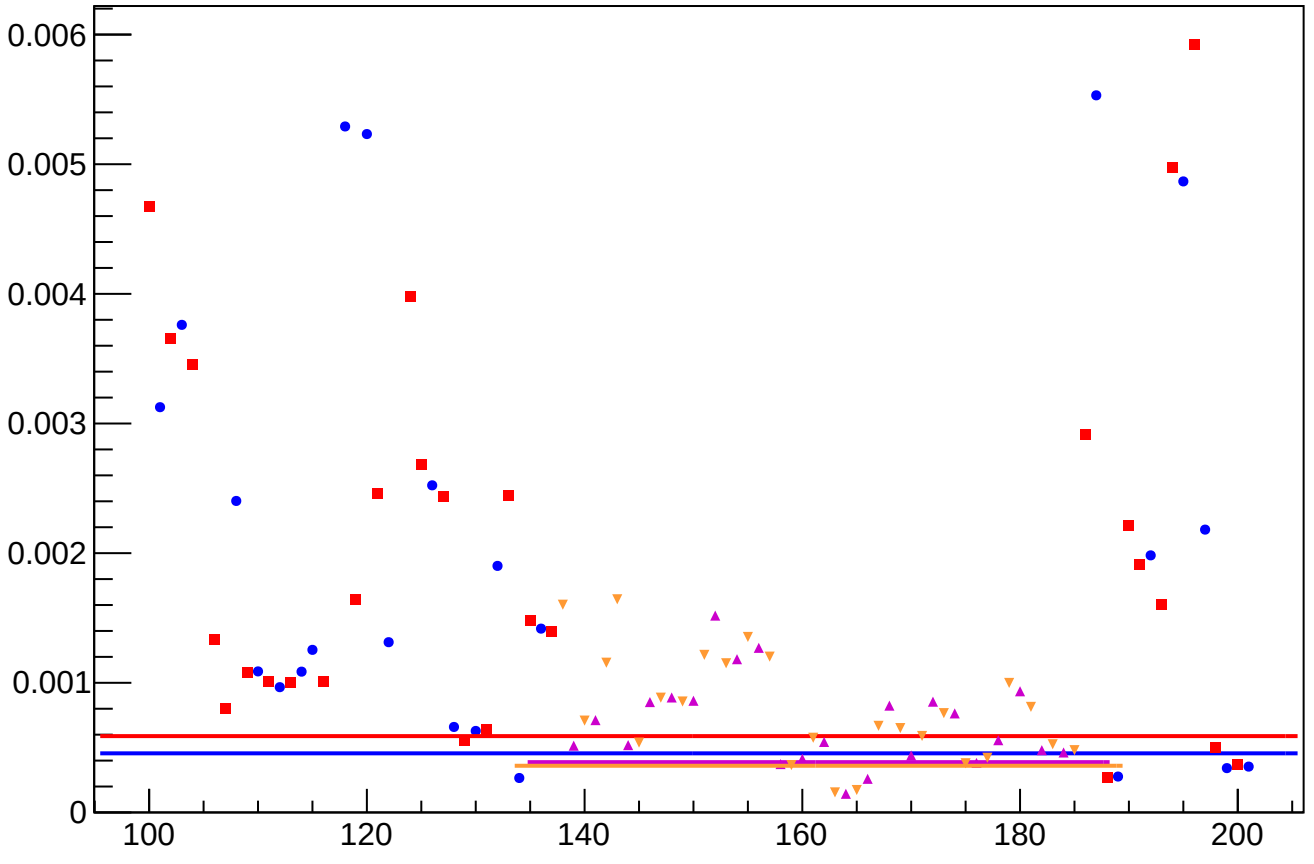
Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/27

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: 149.2/98

- sign 0.000+/-0.000 χ^2/NDF: 55.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 11161623.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

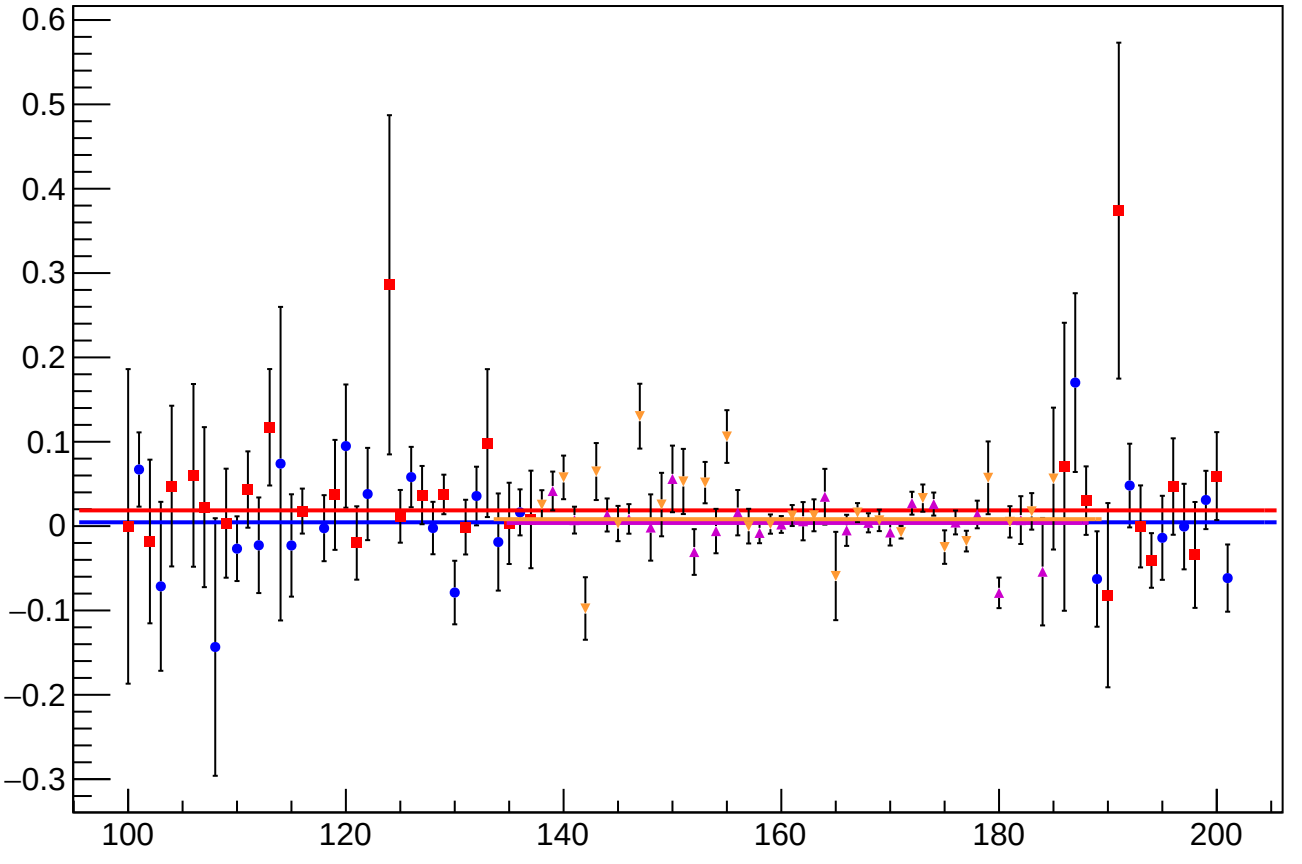
Right Out: 0.001+/-0.000 χ^2/NDF: 11325877.0/27

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: 48745588.2/98

- sign 0.000+/-0.000 χ^2/NDF: 22977713.2/50



Right In: 0.005+/-0.009 χ^2/NDF: 23.2/22

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

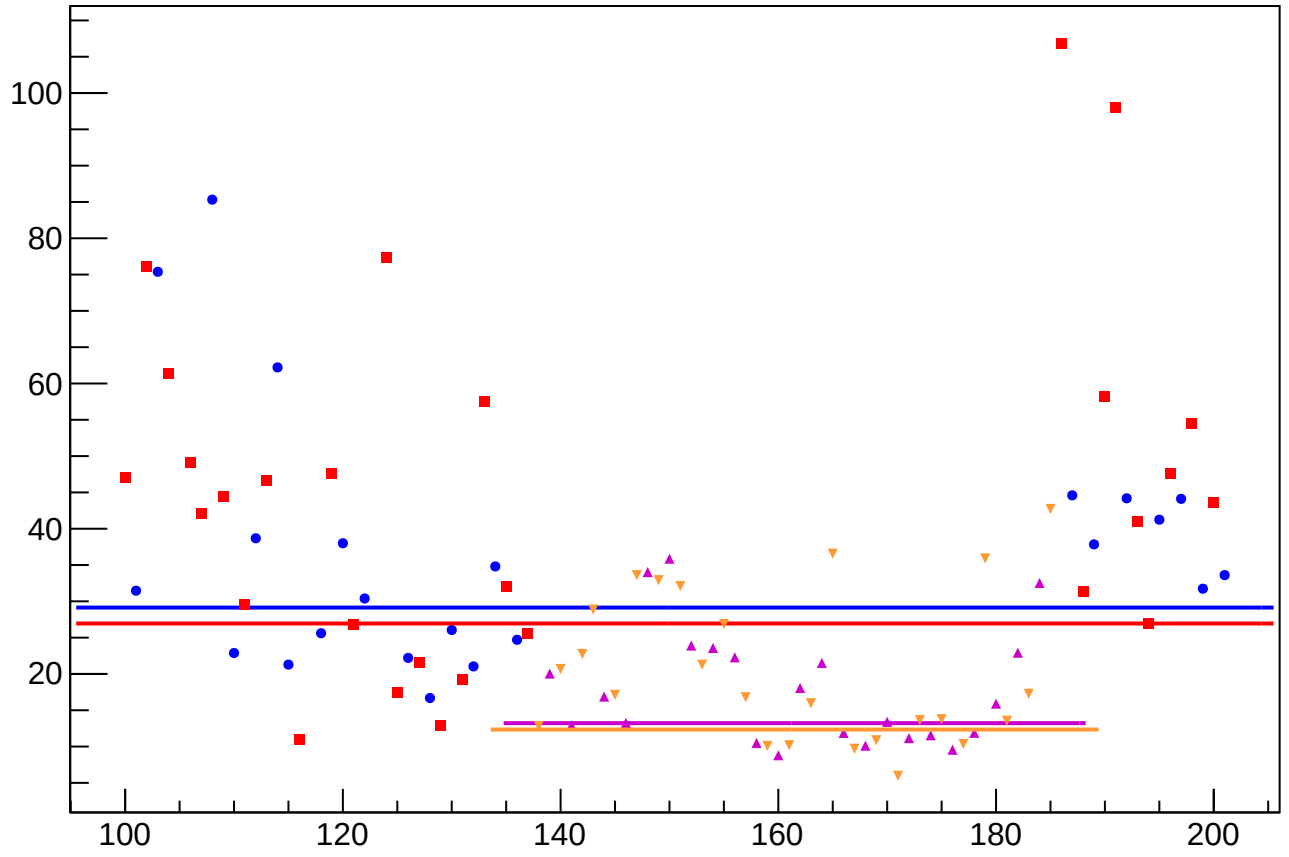
Right Out: 0.019+/-0.009 χ^2/NDF: 17.0/27

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: 138.8/98

- sign 0.006+/-0.003 χ^2/NDF: 56.5/50



Right In: 29.141+/-0.007 χ^2/NDF: 2149818.2/22

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

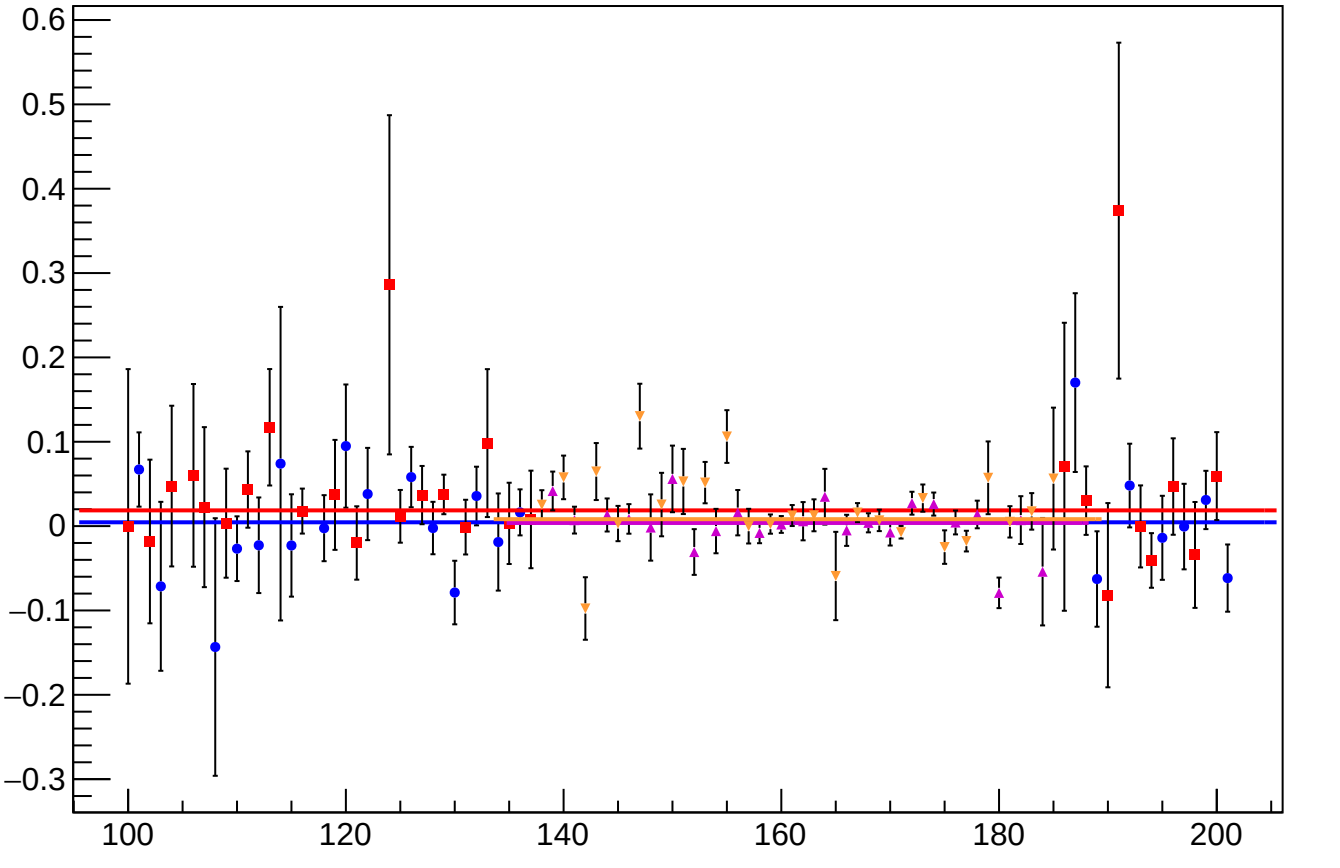
Right Out: 26.947+/-0.006 χ^2/NDF: 5527935.3/27

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.320+/-0.002 χ^2/NDF: 14462353.6/47

All: 14.704+/-0.002 χ^2/NDF: 27853815.2/98

- sign 15.118+/-0.002 χ^2/NDF: 13333373.3/50



Right In: 0.005+/-0.009 χ^2/NDF: 23.2/22

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

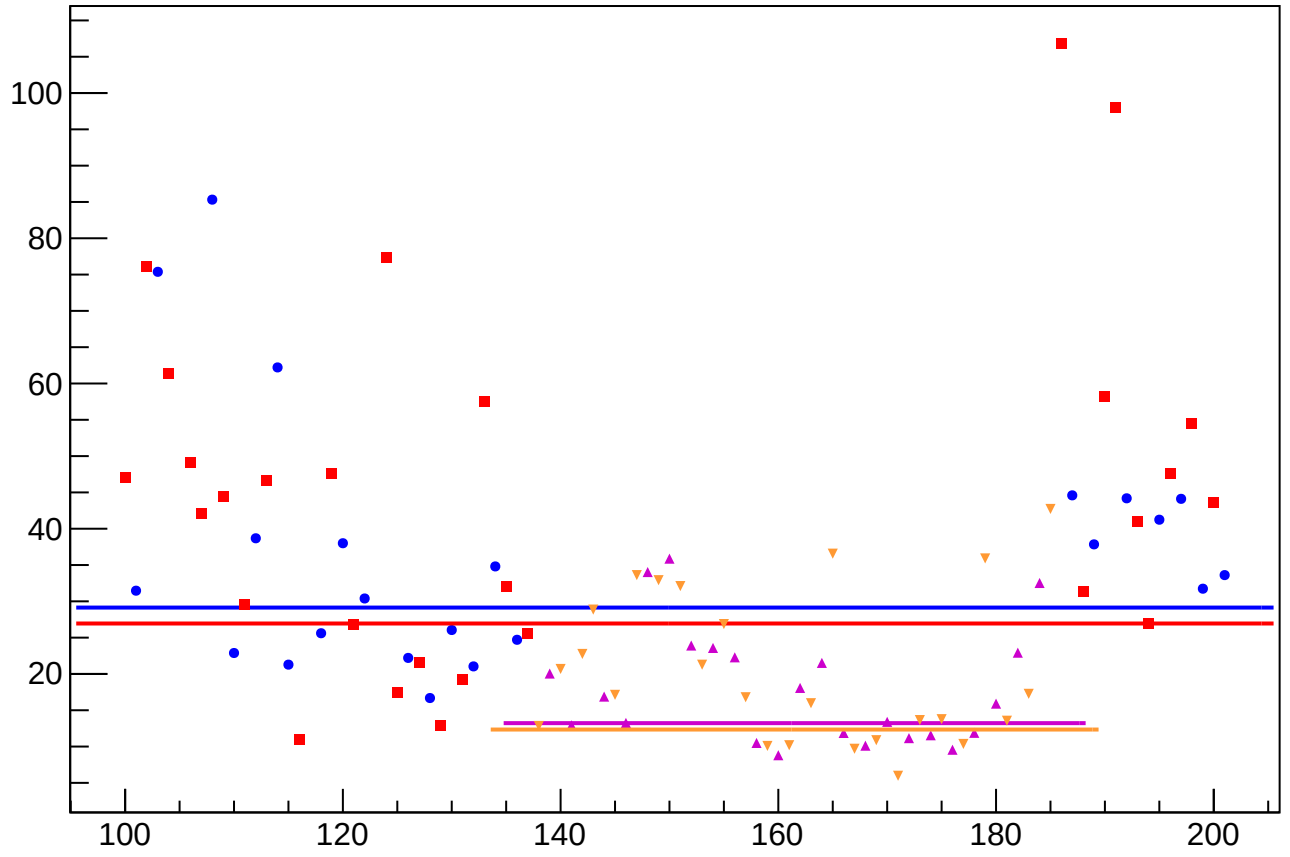
Right Out: 0.019+/-0.009 χ^2/NDF: 17.0/27

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: 138.8/98

- sign 0.006+/-0.003 χ^2/NDF: 56.5/50



Right In: 29.141+/-0.007 χ^2/NDF: 2149818.2/22

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

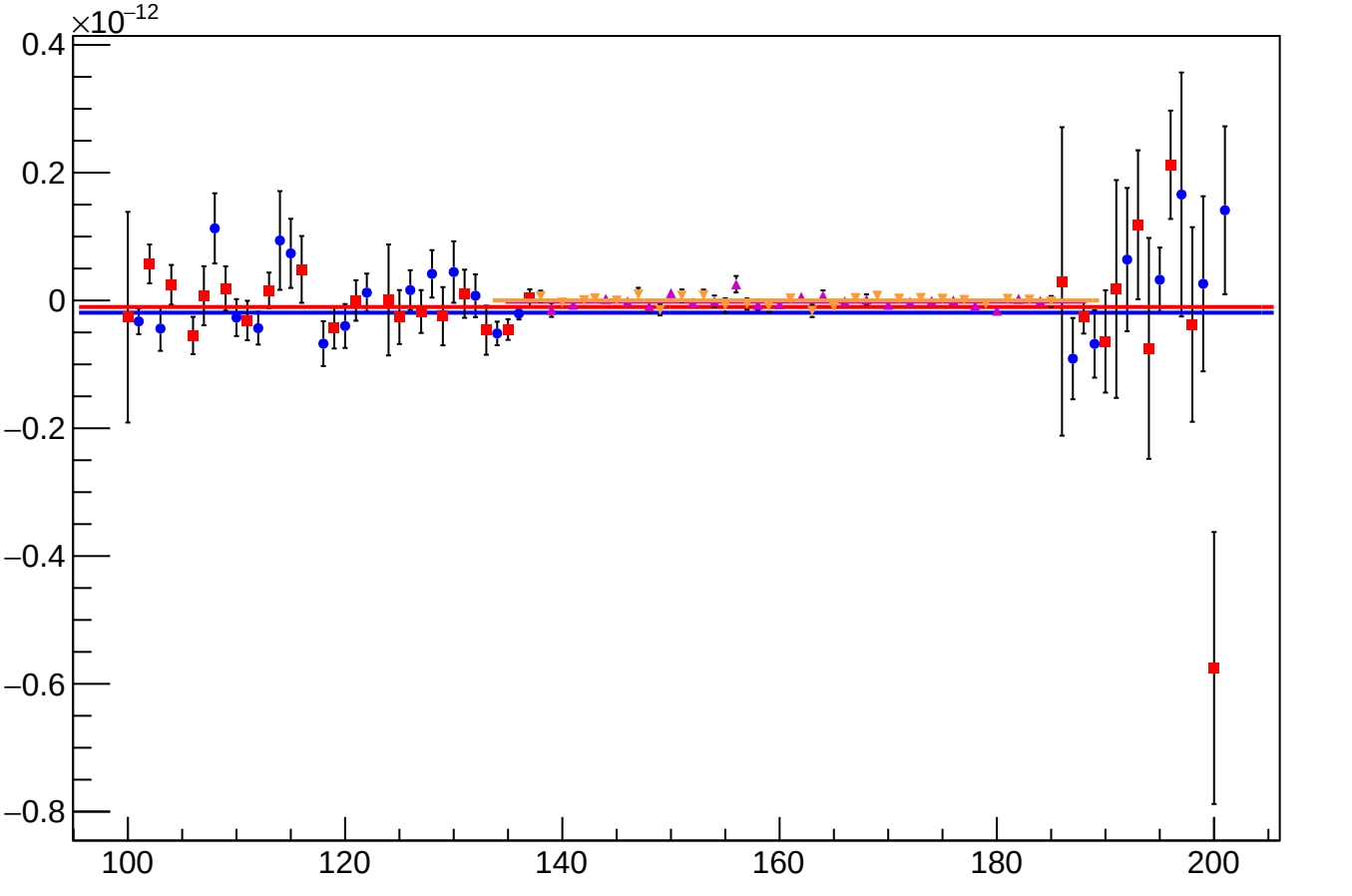
Right Out: 26.947+/-0.006 χ^2/NDF: 5527935.3/27

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

\+ sign 14.320+/-0.002 χ^2/NDF: 14462353.6/47

All: 14.704+/-0.002 χ^2/NDF: 27853815.2/98

\- sign 15.118+/-0.002 χ^2/NDF: 13333373.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

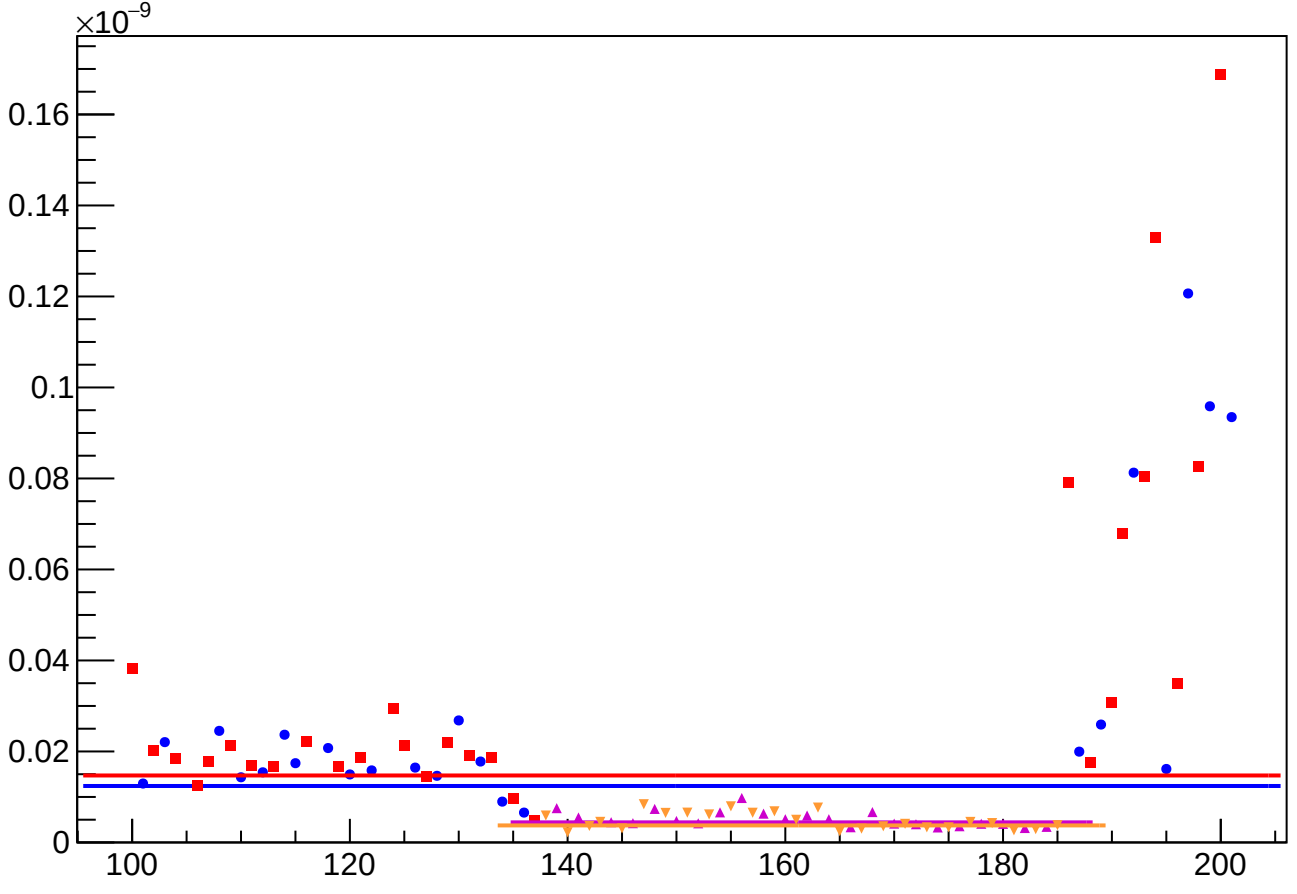
Right Out: -0.000+/-0.000 χ^2/NDF: 36.6/27

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: 128.1/98

- sign -0.000+/-0.000 χ^2/NDF: 63.5/50



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: 5316149.9/27

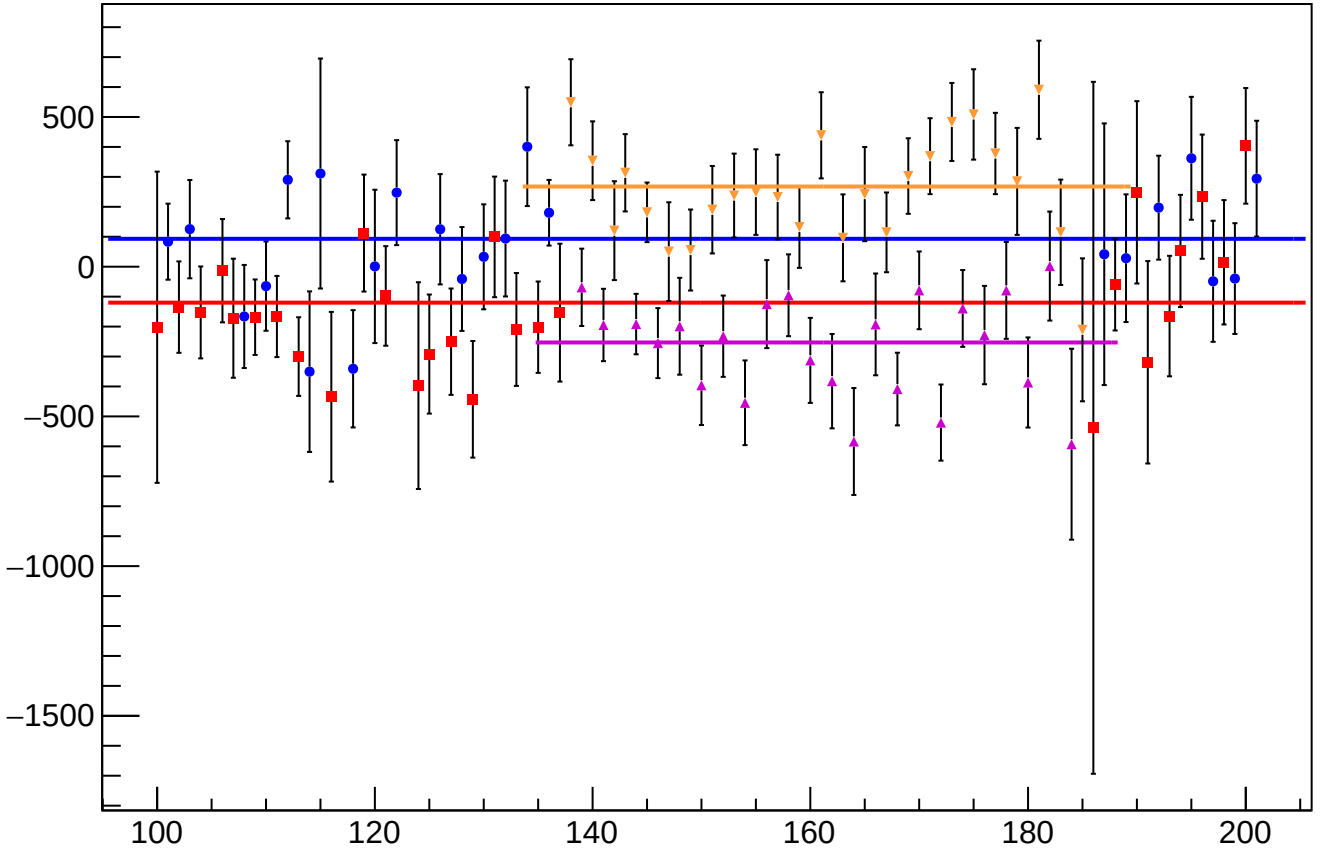
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11950400.7/47

All: 0.000+/-0.000 χ^2/NDF: 24246634.5/98

- sign 0.000+/-0.000 χ^2/NDF: 11909034.9/50

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: -120.014+/-35.484 χ^2/NDF: 25.4/27

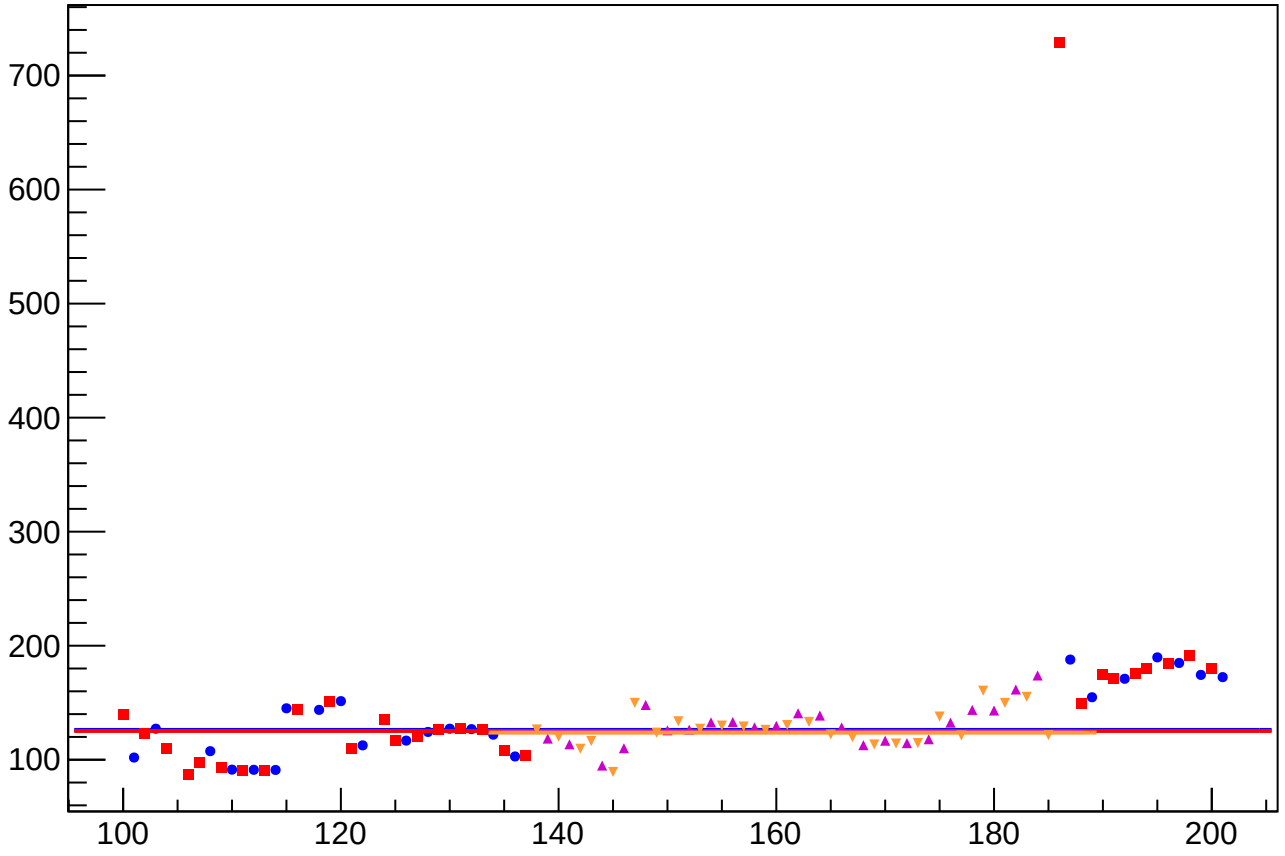
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 203.155+/-22.547 χ^2/NDF: 67.7/47

All: 2.497+/-15.962 χ^2/NDF: 286.4/98

- sign -199.087+/-22.599 χ^2/NDF: 60.0/50

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: 125.245+/-0.025 χ^2/NDF: 2184099.8/27

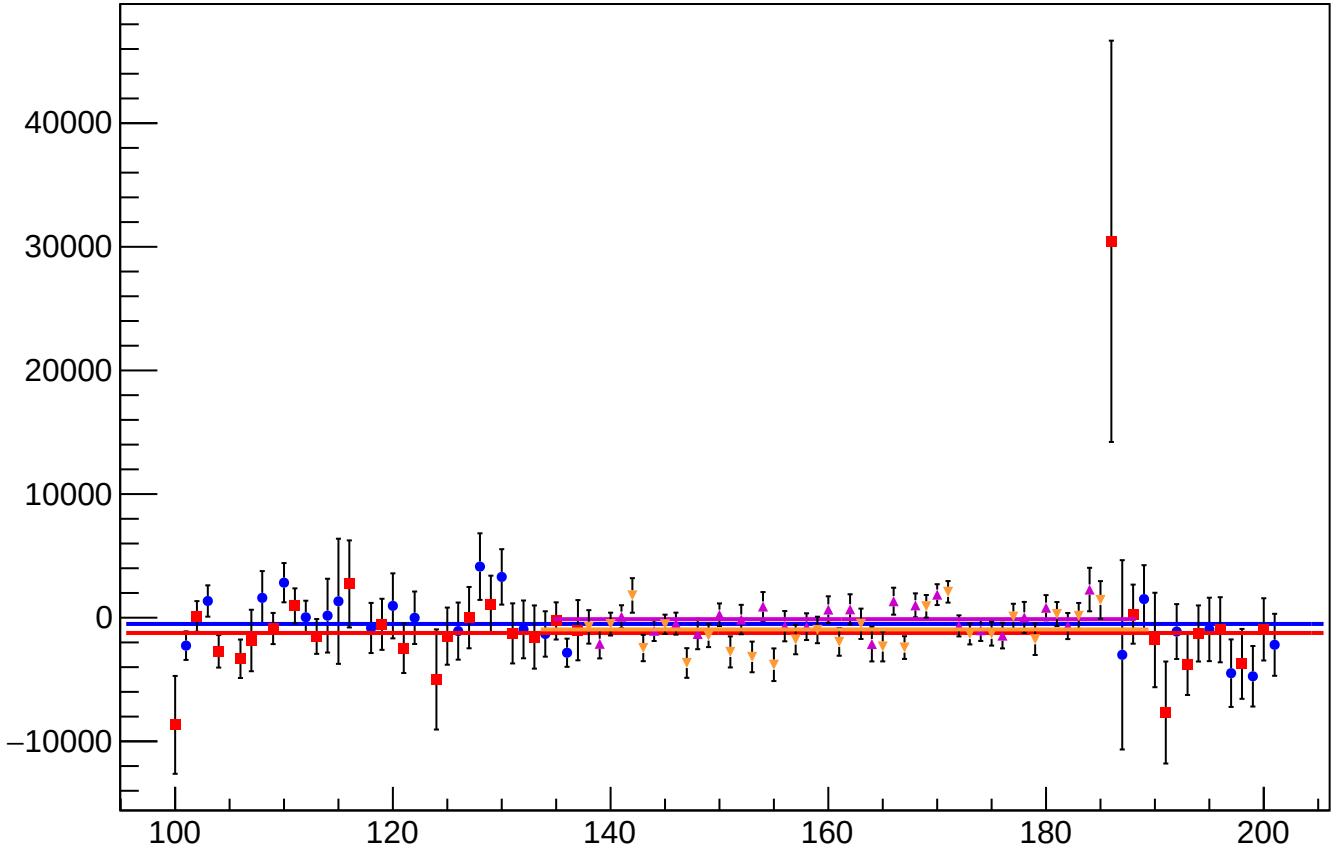
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.667+/-0.016 χ^2/NDF: 1960178.2/47

All: 124.663+/-0.011 χ^2/NDF: 4702410.9/98

- sign 124.659+/-0.016 χ^2/NDF: 2742232.6/50

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: -1235.461+/-387.009 χ^2/NDF: 23.1/27

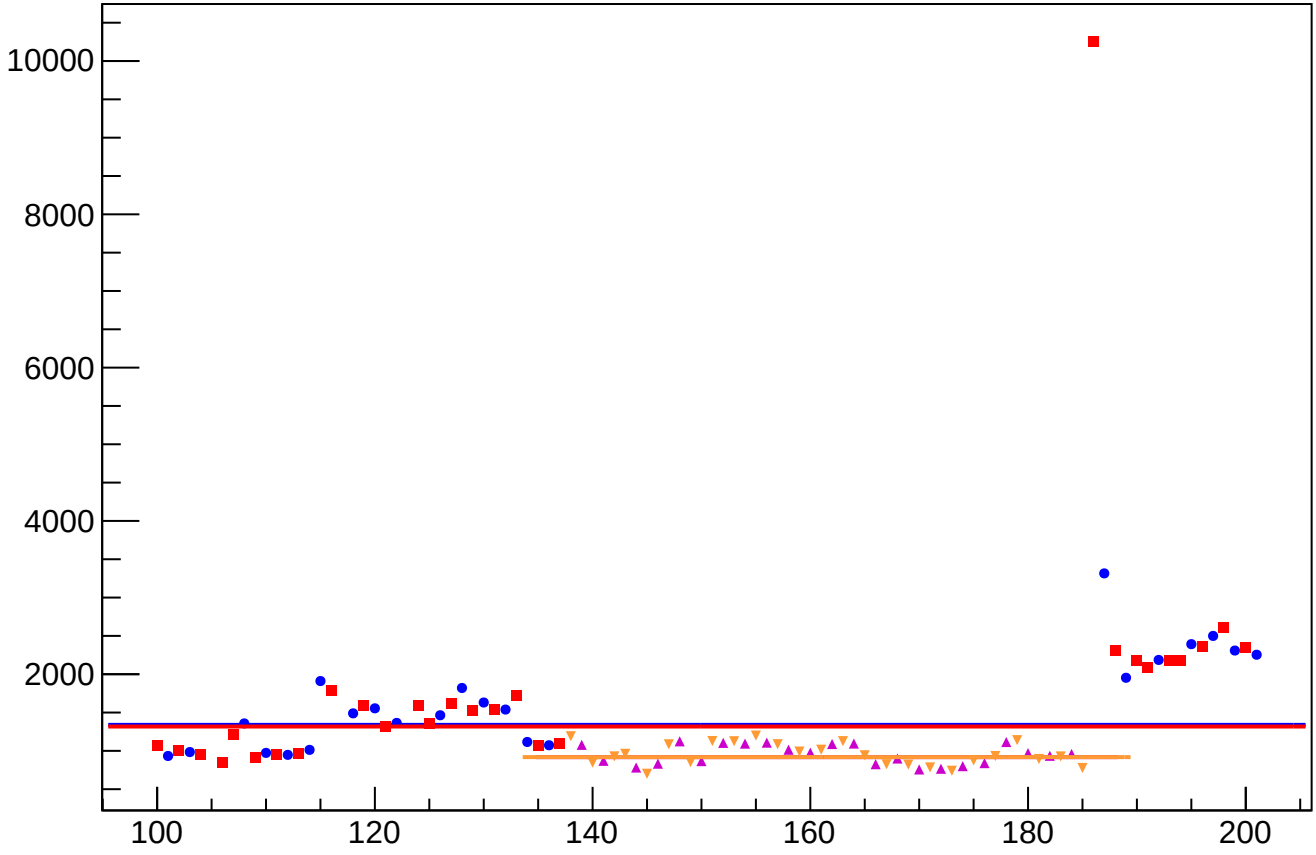
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -853.426+/-187.872 χ^2/NDF: 78.4/47

All: -621.554+/-133.378 χ^2/NDF: 135.3/98

- sign -385.929+/-189.386 χ^2/NDF: 53.8/50

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

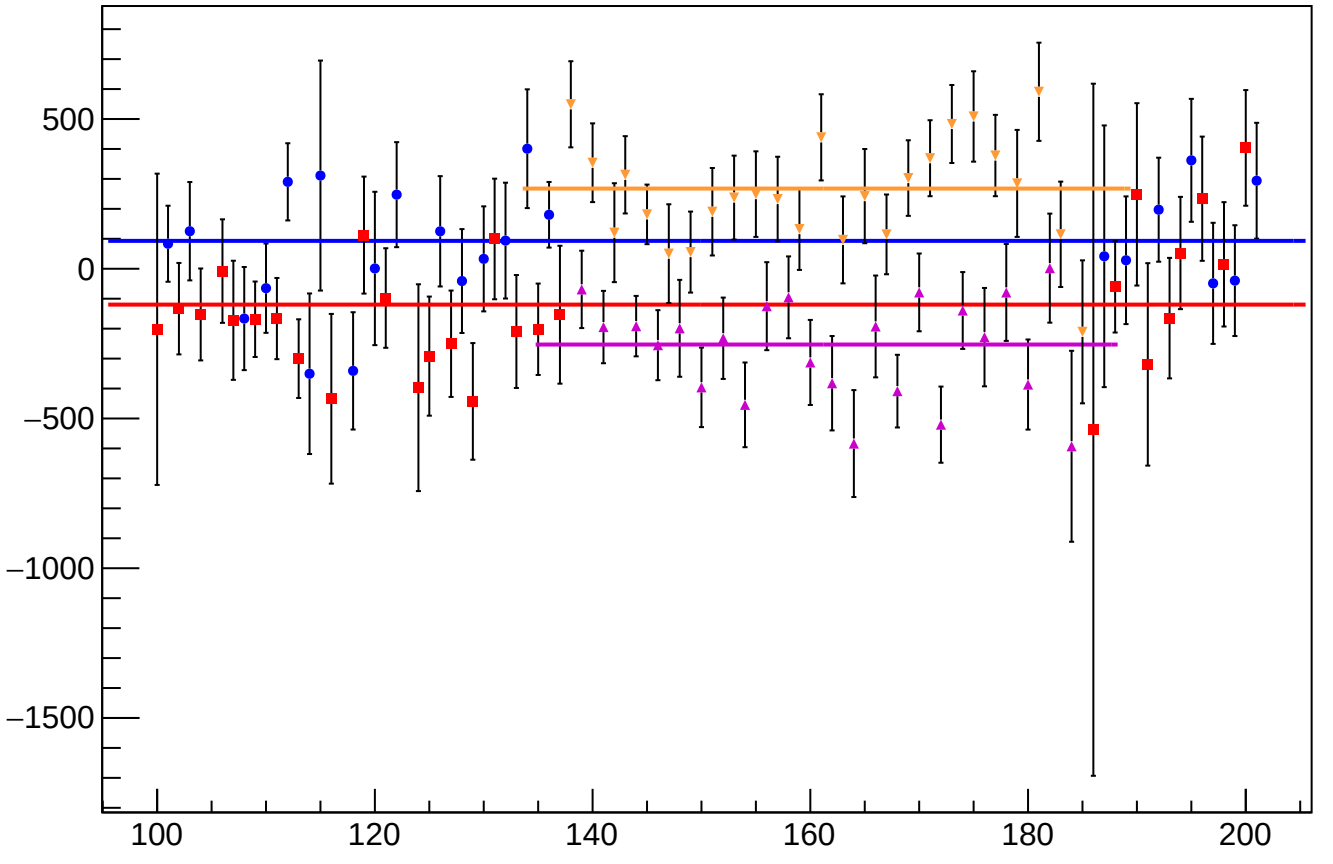
Right Out: 1317.636+/-0.274 χ^2/NDF: 3934154.3/27

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1008.137+/-0.133 χ^2/NDF: 5383267.4/47

All: 1010.978+/-0.094 χ^2/NDF: 11604798.6/9

- sign 1013.864+/-0.134 χ^2/NDF: 6220609.2/50



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: -119.707+/-35.488 χ^2/NDF: 25.5/27

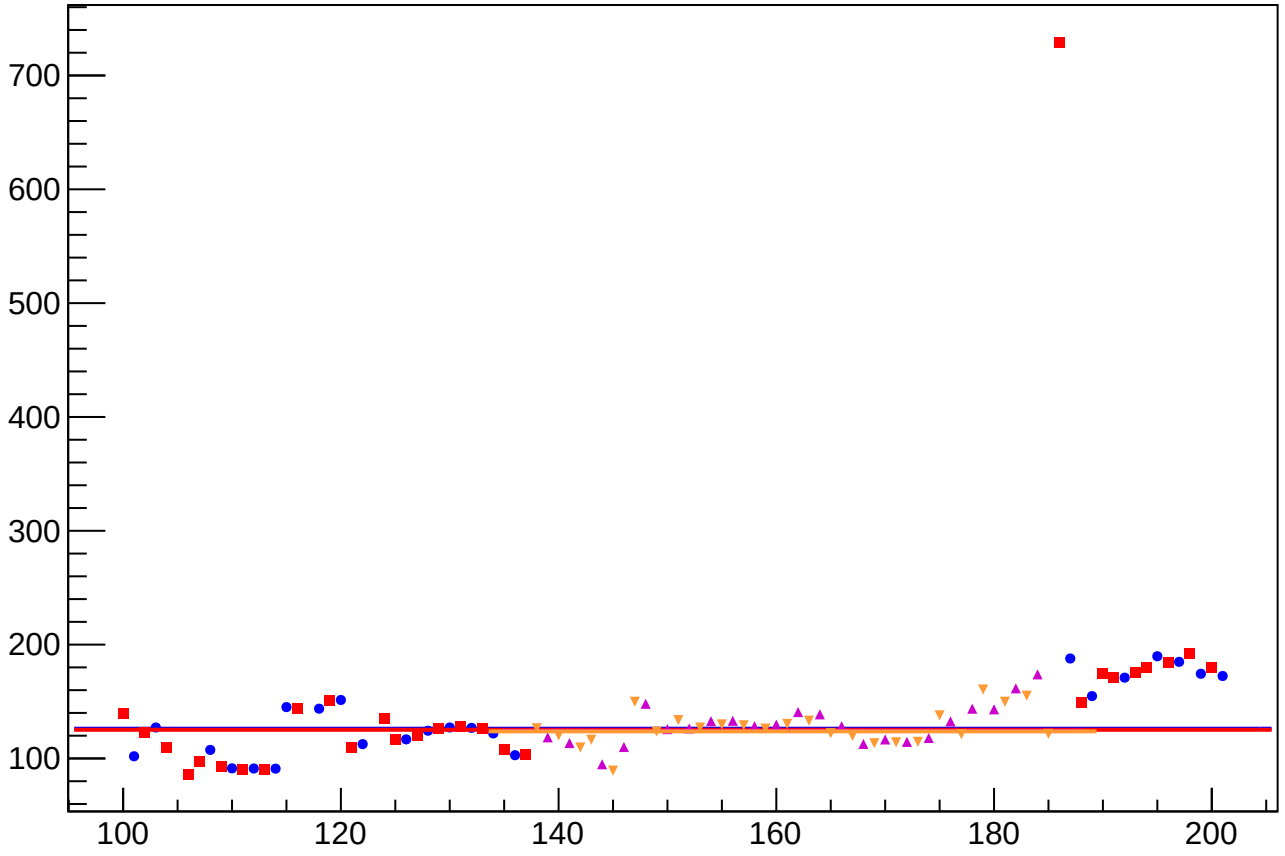
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 203.157+/-22.547 χ^2/NDF: 67.7/47

All: 2.564+/-15.962 χ^2/NDF: 286.4/98

- sign -198.971+/-22.600 χ^2/NDF: 60.0/50

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: 125.205+/-0.025 χ^2/NDF: 2189667.9/27

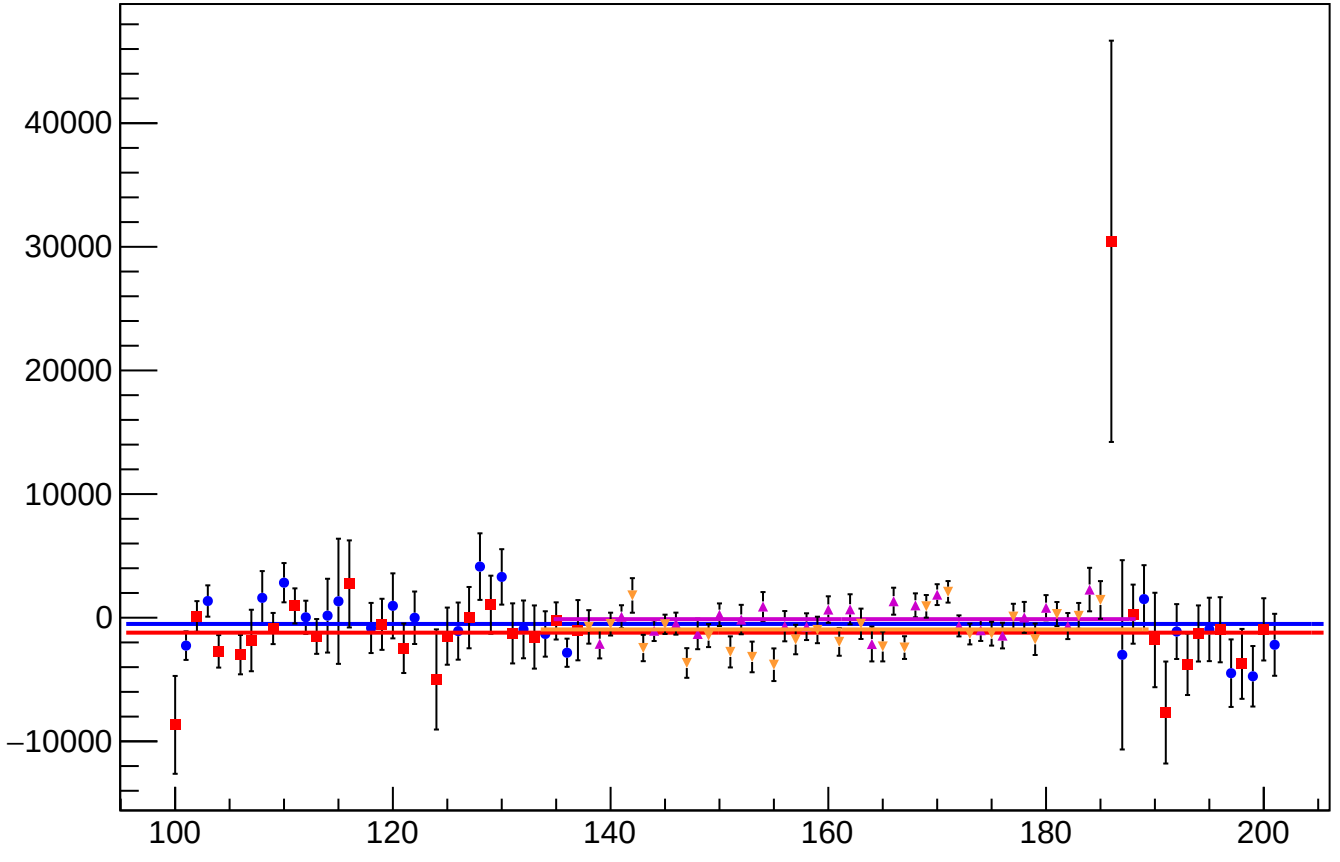
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 124.667+/-0.016 χ^2/NDF: 1960178.4/47

All: 124.655+/-0.011 χ^2/NDF: 4707908.1/98

- sign 124.643+/-0.016 χ^2/NDF: 2747728.6/50

asym_sam_48_dd_cor_correction_mean vs Slug



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: -1210.086+/-387.572 χ^2/NDF: 22.5/27

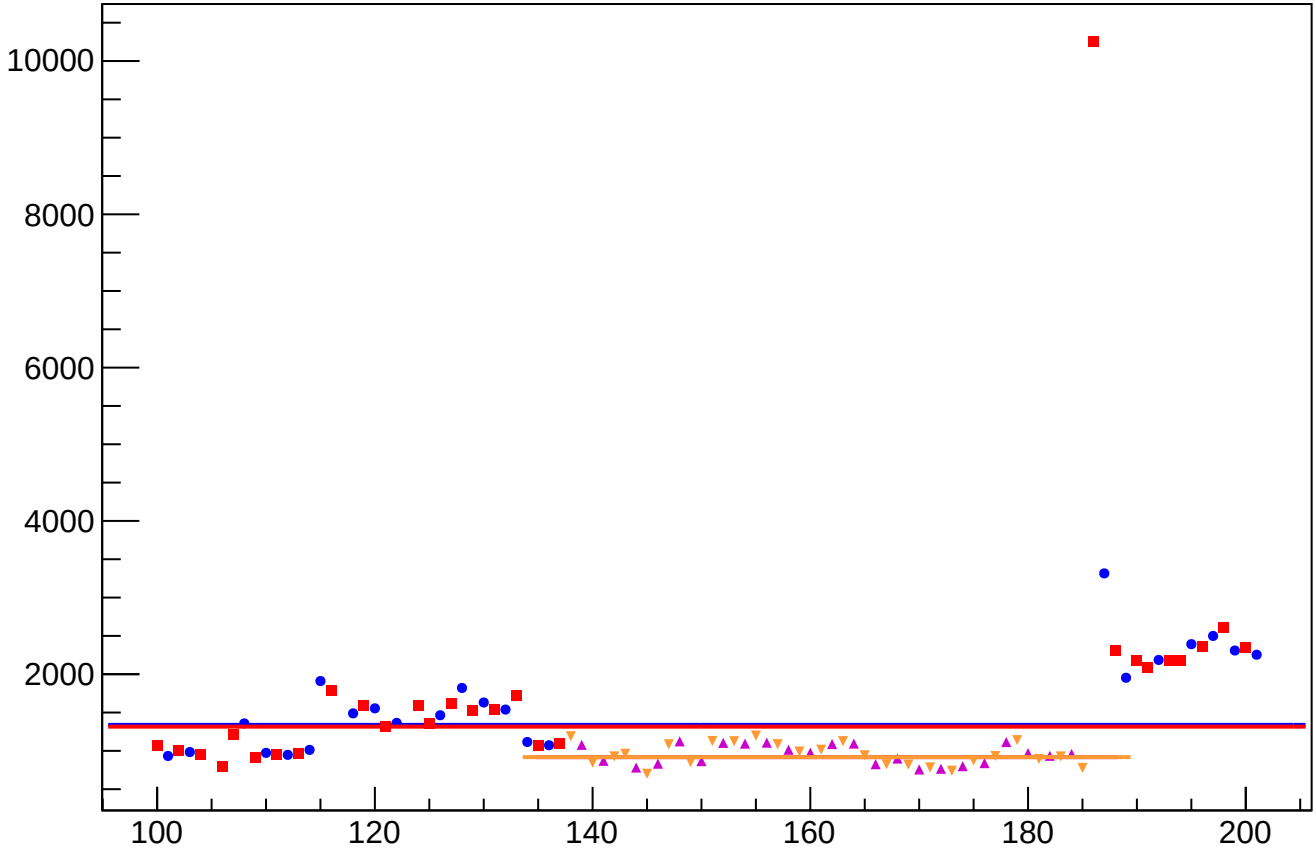
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -853.434+/-187.872 χ^2/NDF: 78.4/47

All: -618.341+/-133.401 χ^2/NDF: 134.5/98

- sign -379.277+/-189.452 χ^2/NDF: 53.0/50

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: 1316.035+/-0.274 χ^2/NDF: 3964916.5/27

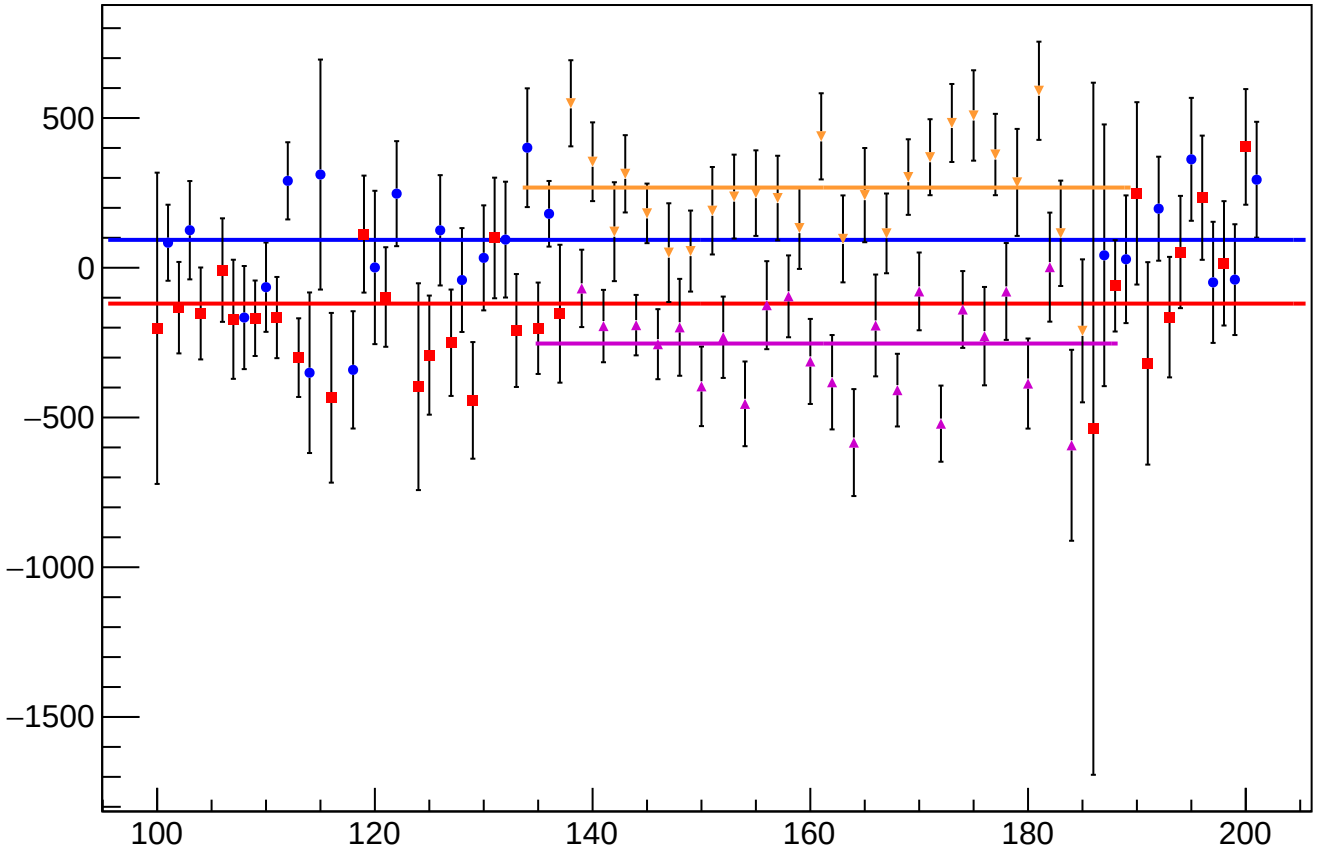
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1008.138+/-0.133 χ^2/NDF: 5383262.6/47

All: 1010.683+/-0.094 χ^2/NDF: 11618858.5/9

- sign 1013.271+/-0.134 χ^2/NDF: 6234855.9/50

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: -119.707+/-35.488 χ^2/NDF: 25.5/27

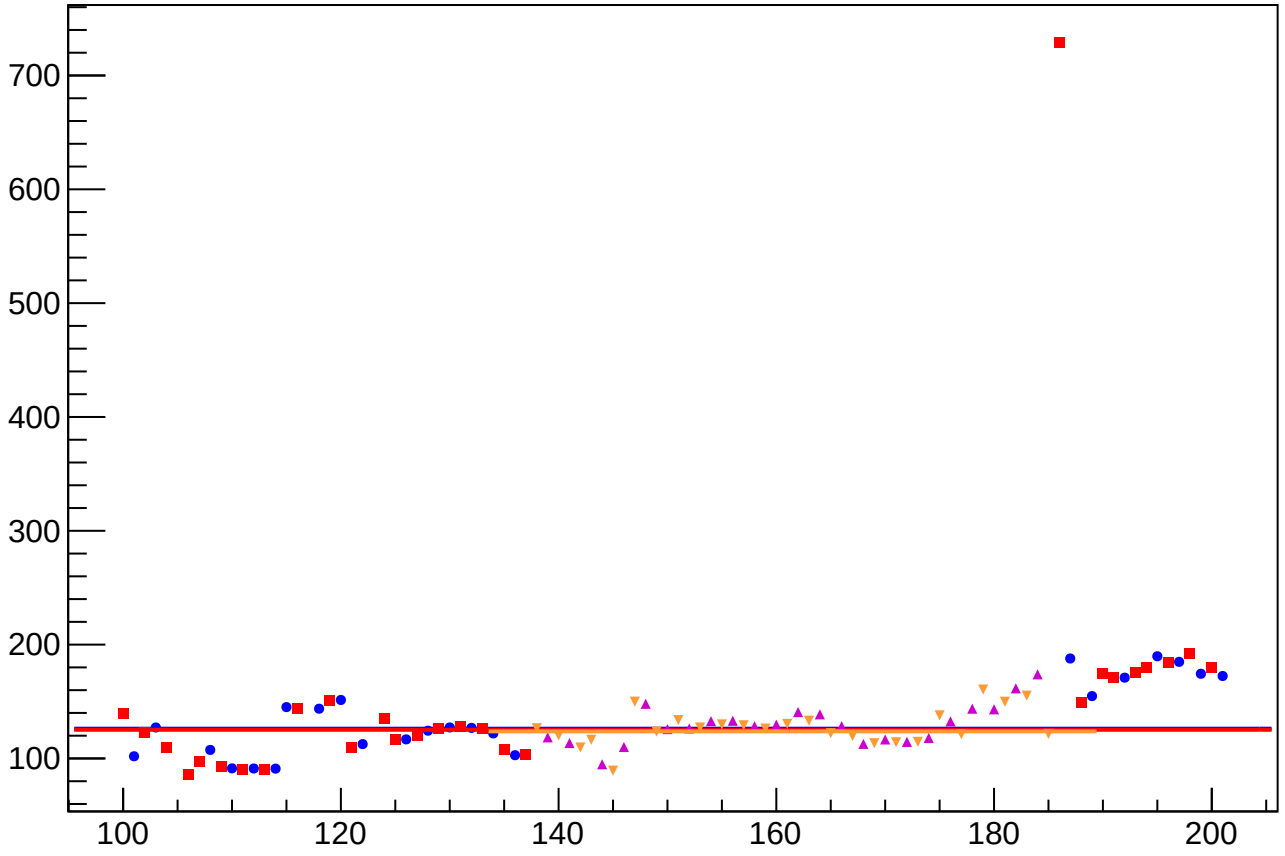
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 203.157+/-22.547 χ^2/NDF: 67.7/47

All: 2.564+/-15.962 χ^2/NDF: 286.4/98

- sign -198.971+/-22.600 χ^2/NDF: 60.0/50

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

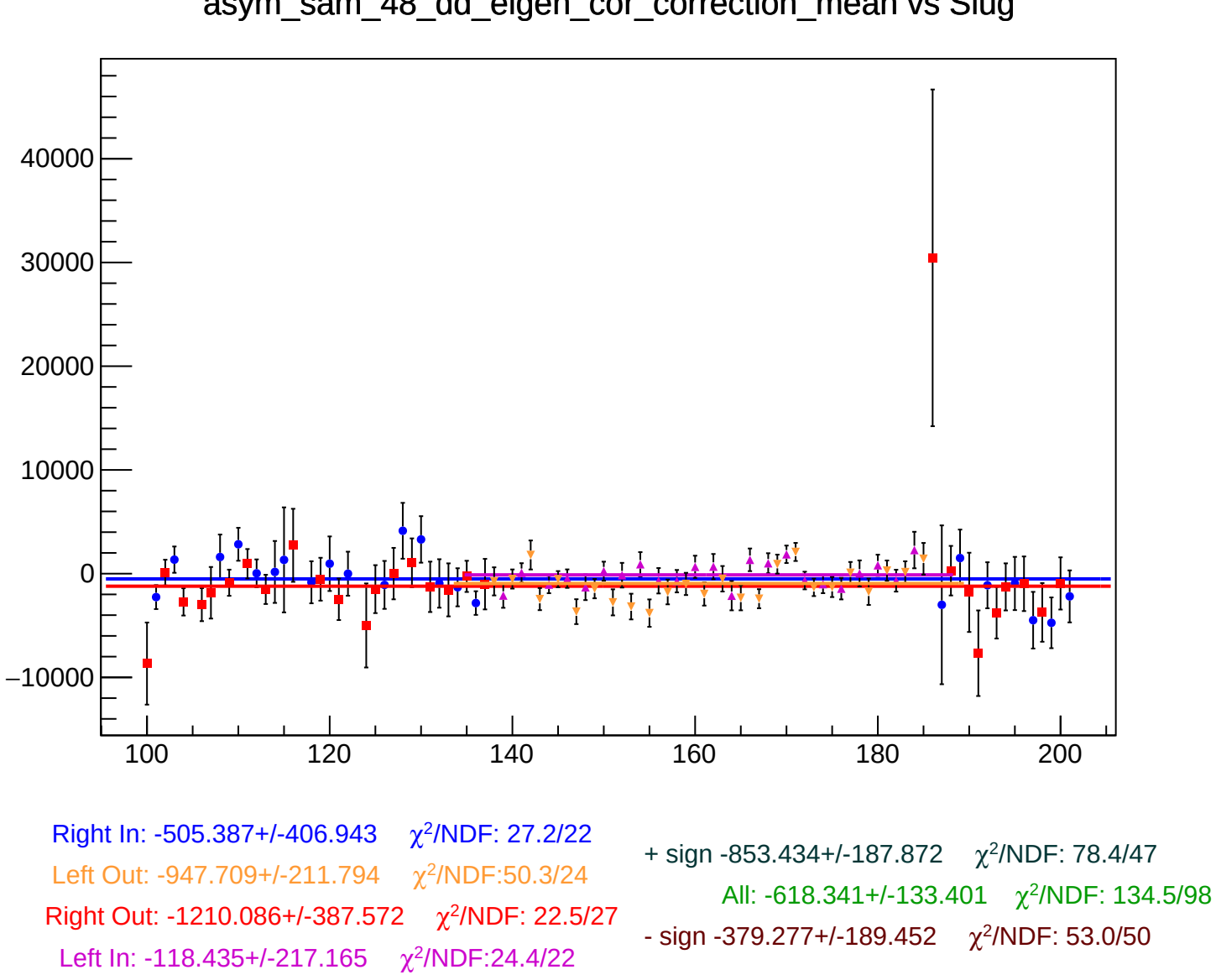
Right Out: 125.205+/-0.025 χ^2/NDF: 2189667.9/27

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

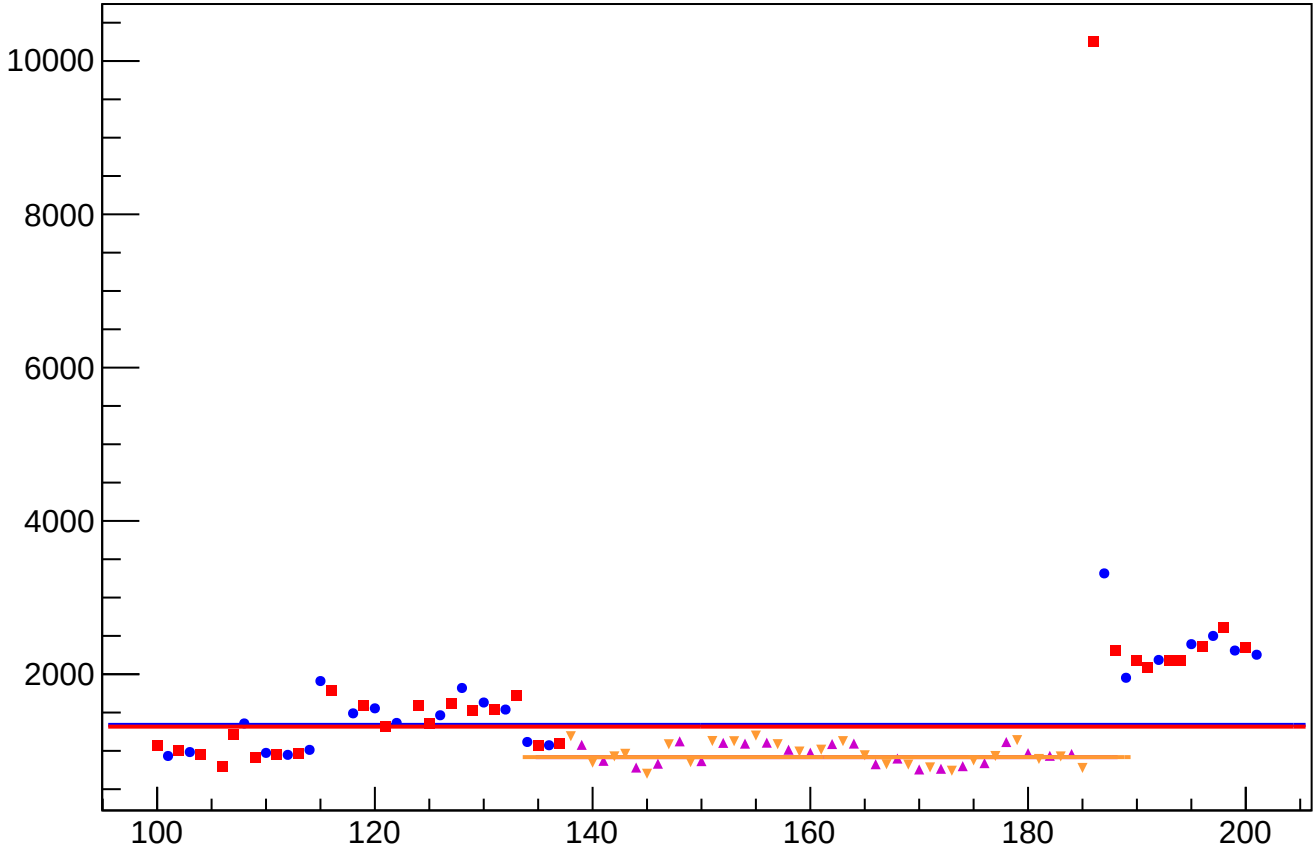
+ sign 124.667+/-0.016 χ^2/NDF: 1960178.4/47

All: 124.655+/-0.011 χ^2/NDF: 4707908.1/98

- sign 124.643+/-0.016 χ^2/NDF: 2747728.6/50


asym_sam_48_dd_eigen_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -505.387+/-406.943 χ²/NDF: 27.2/22
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: -1210.086+/-387.572 χ²/NDF: 22.5/27
Left In: -118.435+/-217.165 χ²/NDF:24.4/22
+ sign -853.434+/-187.872 χ²/NDF: 78.4/47
All: -618.341+/-133.401 χ²/NDF: 134.5/98
- sign -379.277+/-189.452 χ²/NDF: 53.0/50

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: 1316.035+/-0.274 χ^2/NDF: 3964916.5/27

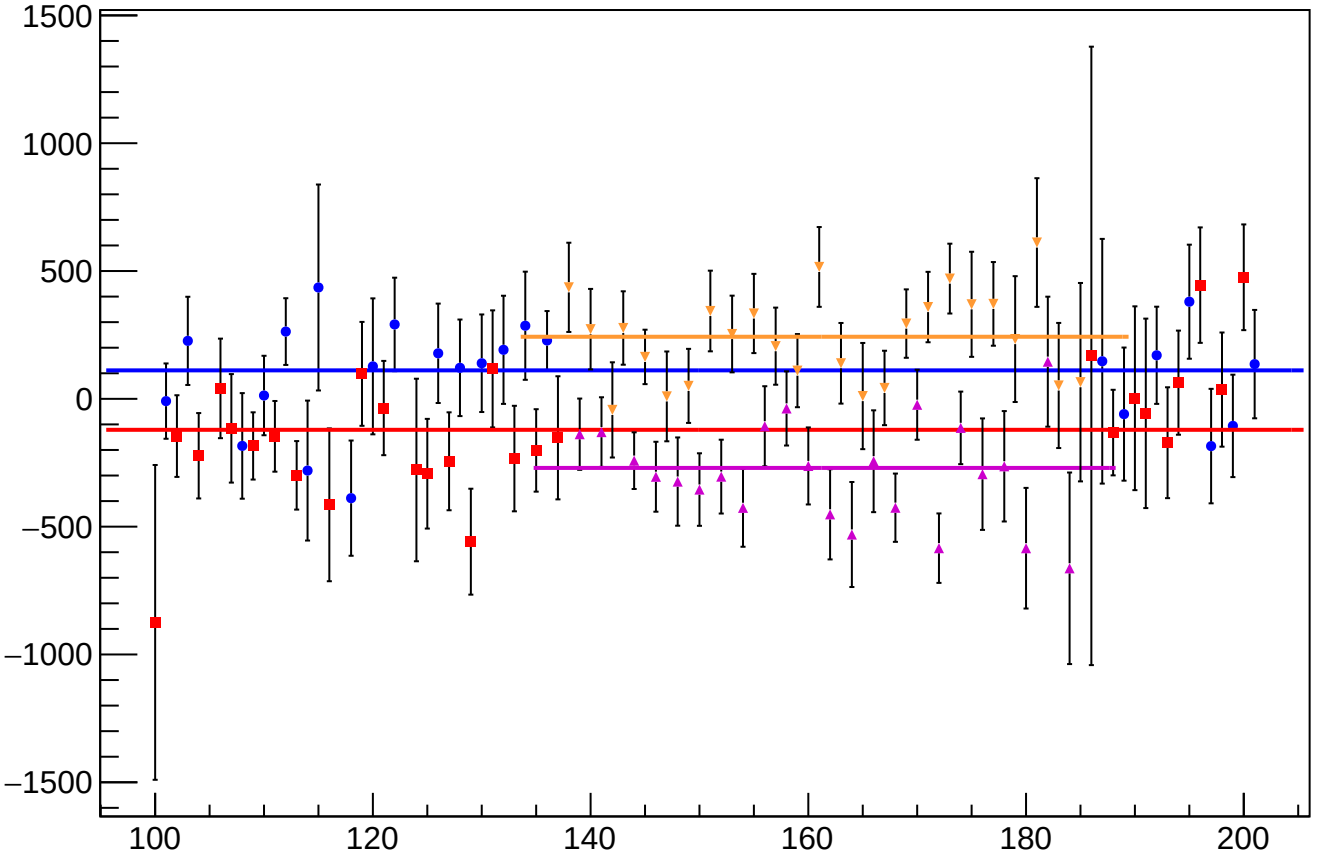
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1008.138+/-0.133 χ^2/NDF: 5383262.6/47

All: 1010.683+/-0.094 χ^2/NDF: 11618858.5/9

- sign 1013.271+/-0.134 χ^2/NDF: 6234855.9/50

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: -121.158+/-37.931 χ^2/NDF: 30.5/27

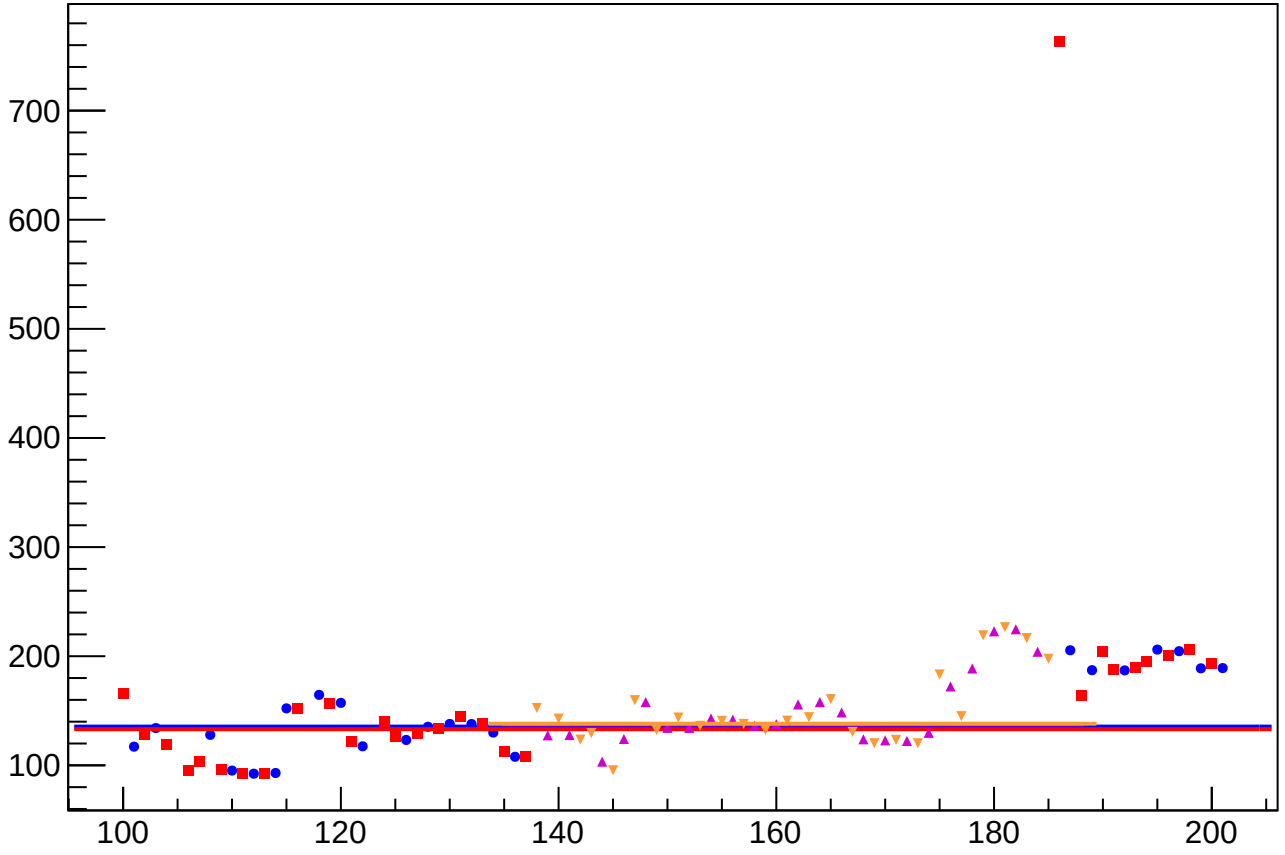
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 191.416+/-25.072 χ^2/NDF: 50.6/47

All: -9.184+/-17.650 χ^2/NDF: 243.6/98

- sign -206.251+/-24.851 χ^2/NDF: 66.0/50

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: 133.106+/-0.027 χ^2/NDF: 2368315.7/27

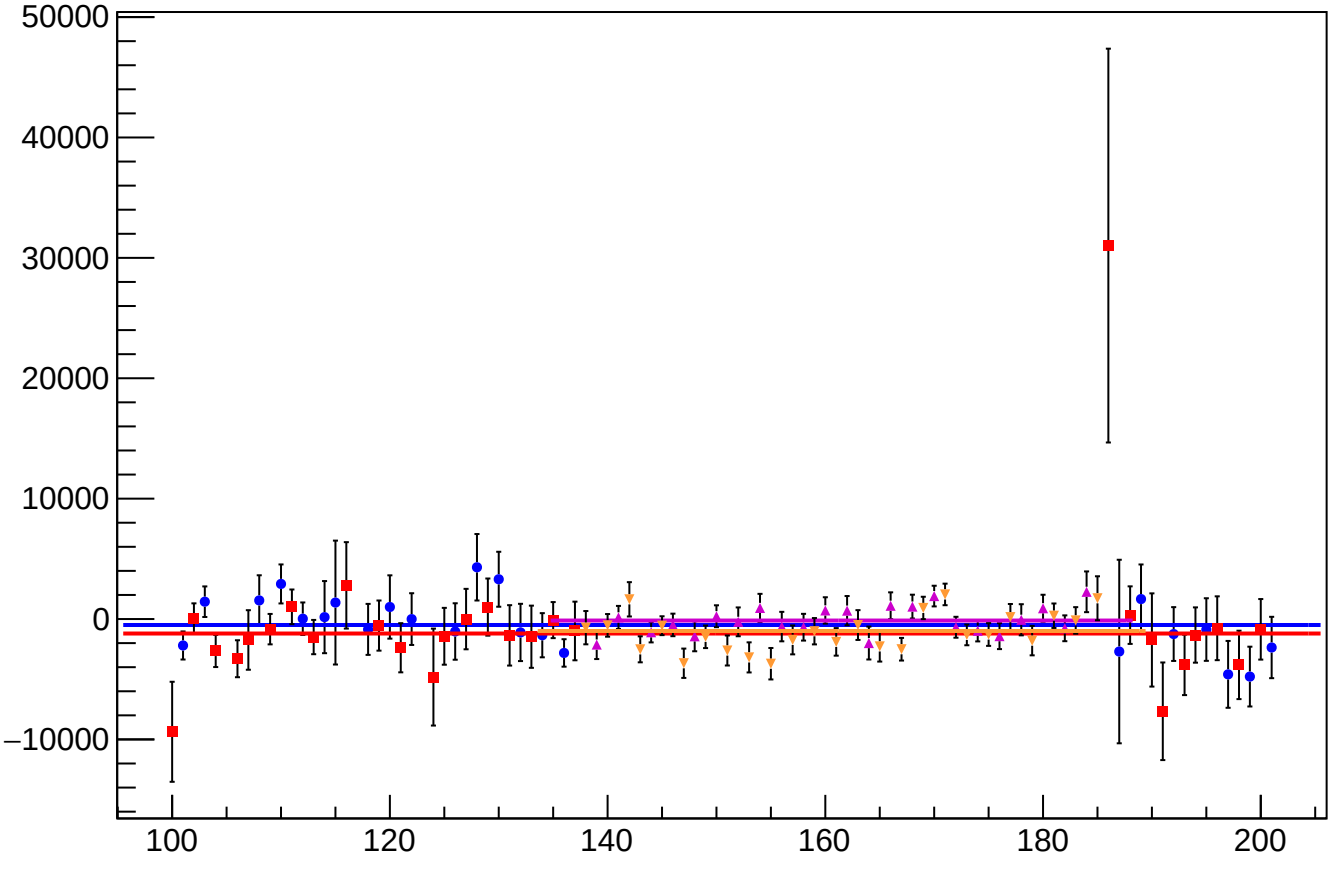
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 137.093+/-0.018 χ^2/NDF: 2902865.6/47

All: 136.344+/-0.012 χ^2/NDF: 6399309.4/98

- sign 135.609+/-0.018 χ^2/NDF: 3492909.2/50

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: -1203.287+/-389.529 χ^2/NDF: 23.5/27

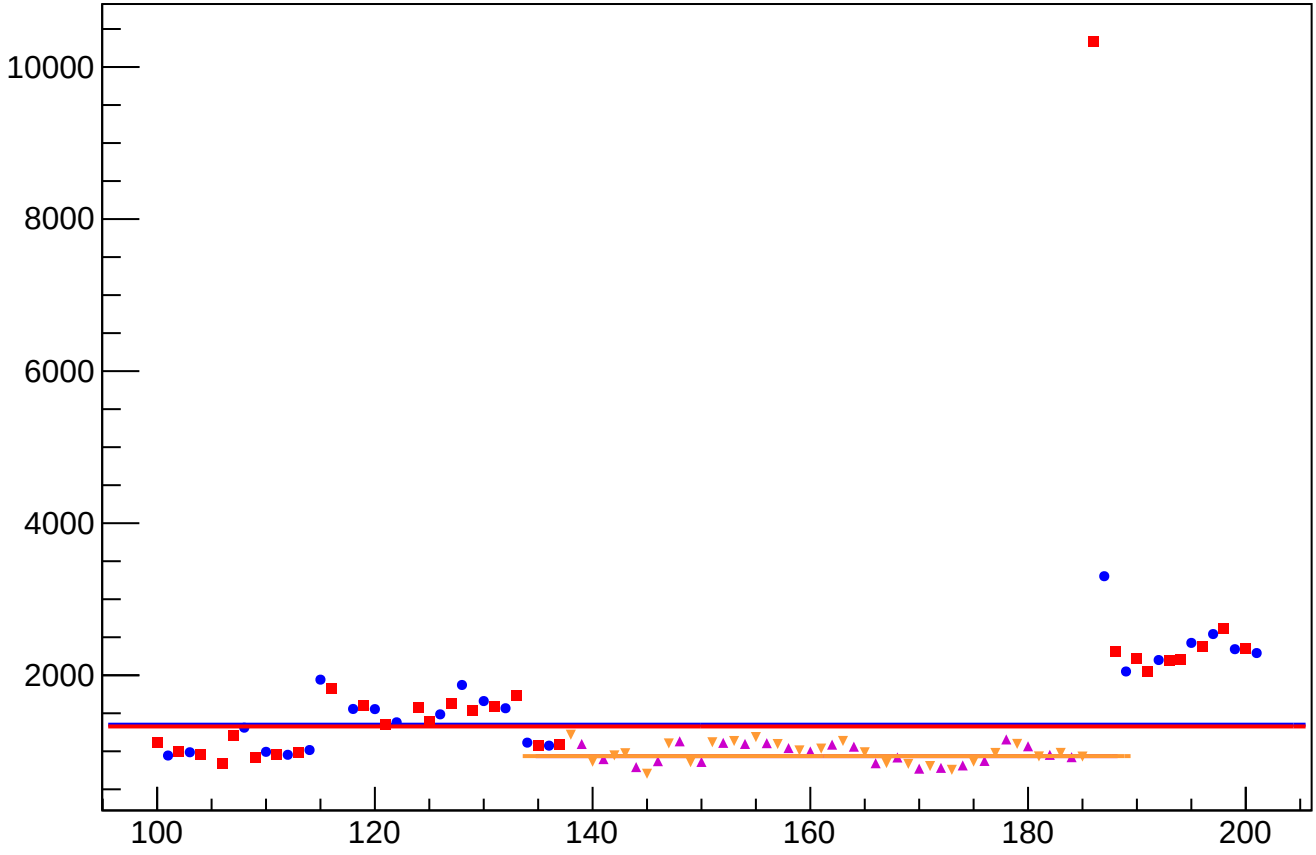
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -885.511+/-190.927 χ^2/NDF: 75.4/47

All: -638.804+/-135.544 χ^2/NDF: 131.9/98

- sign -388.121+/-192.459 χ^2/NDF: 53.1/50

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: 1326.663+/-0.275 χ^2/NDF: 3952907.3/27

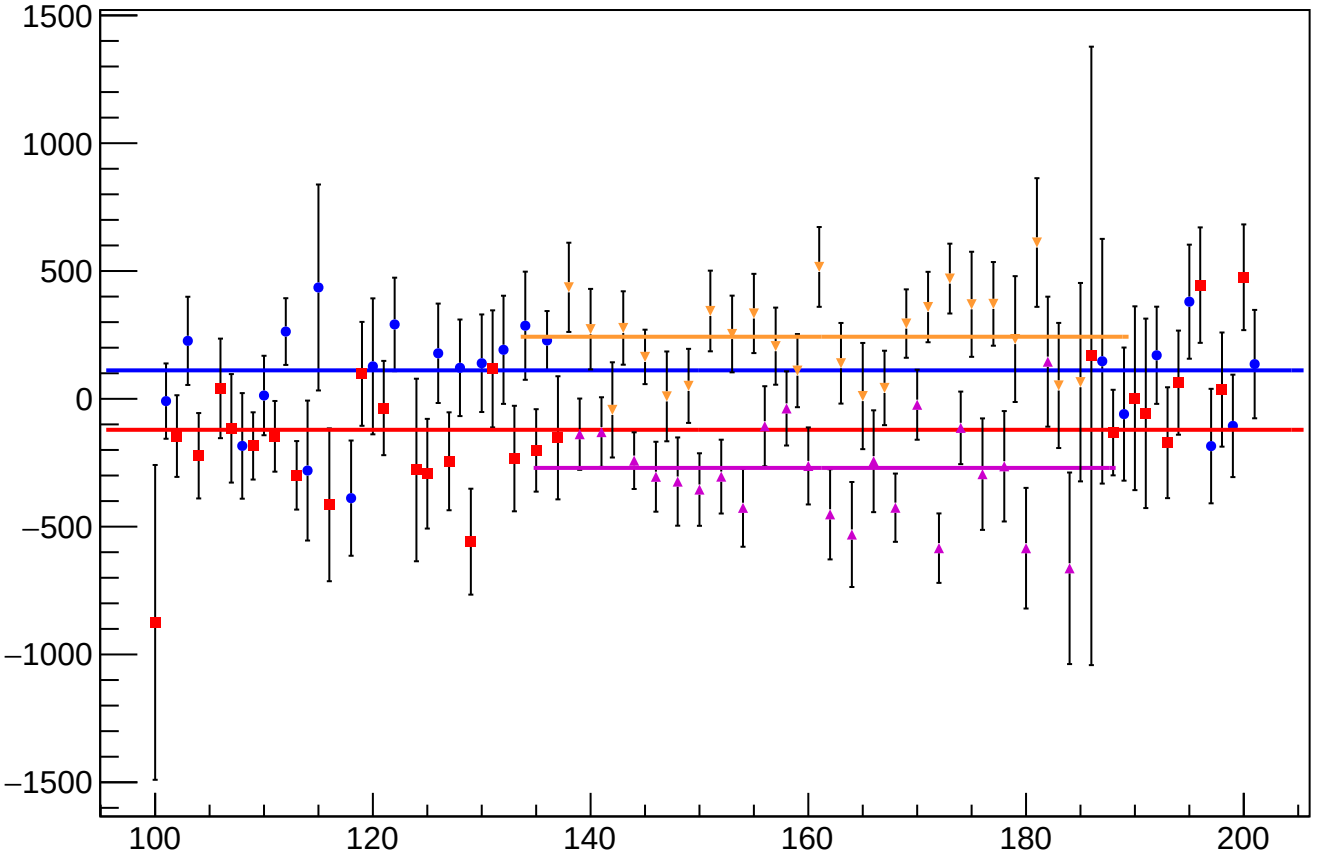
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1026.056+/-0.135 χ^2/NDF: 5303725.3/47

All: 1028.833+/-0.096 χ^2/NDF: 11417851.5/9

- sign 1031.655+/-0.136 χ^2/NDF: 6113273.0/50

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: -121.158+/-37.931 χ^2/NDF: 30.5/27

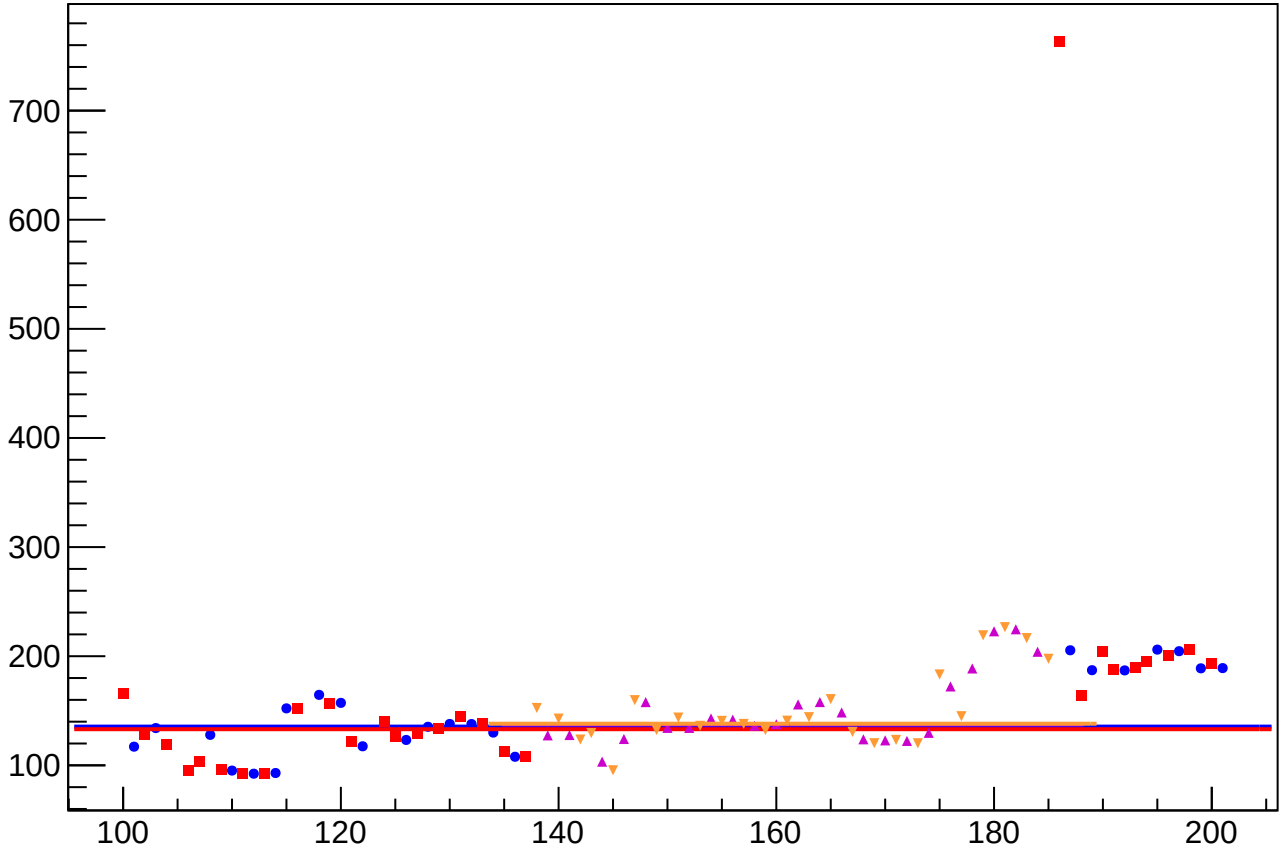
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 191.418+/-25.072 χ^2/NDF: 50.6/47

All: -9.183+/-17.650 χ^2/NDF: 243.6/98

- sign -206.252+/-24.851 χ^2/NDF: 66.0/50

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

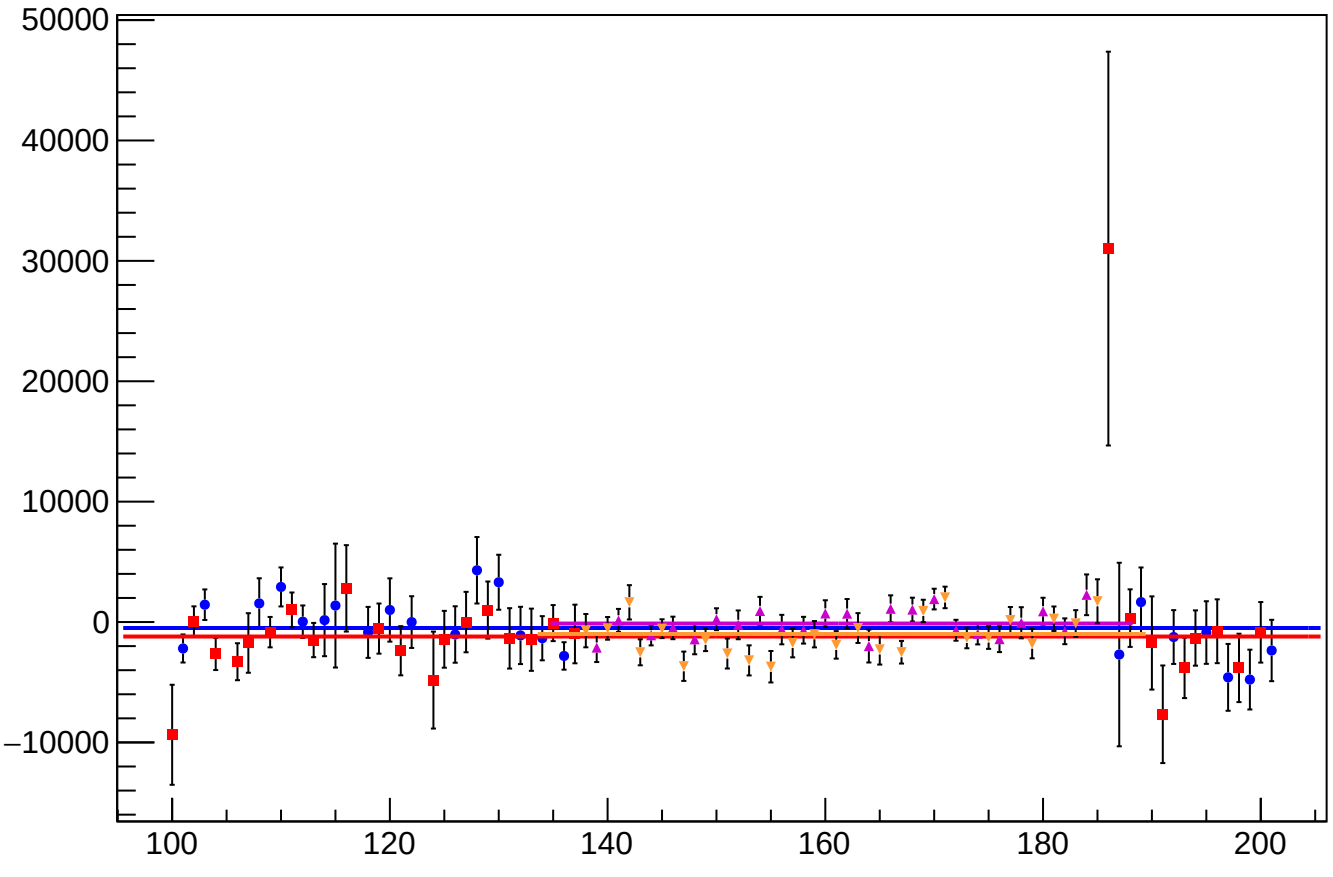
Right Out: 133.106+/-0.027 χ^2/NDF: 2368318.8/27

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 137.093+/-0.018 χ^2/NDF: 2902858.6/47

All: 136.344+/-0.012 χ^2/NDF: 6399291.9/98

- sign 135.609+/-0.018 χ^2/NDF: 3492898.7/50



Right In: -494.879+/-410.656 χ^2/NDF: 27.3/22

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

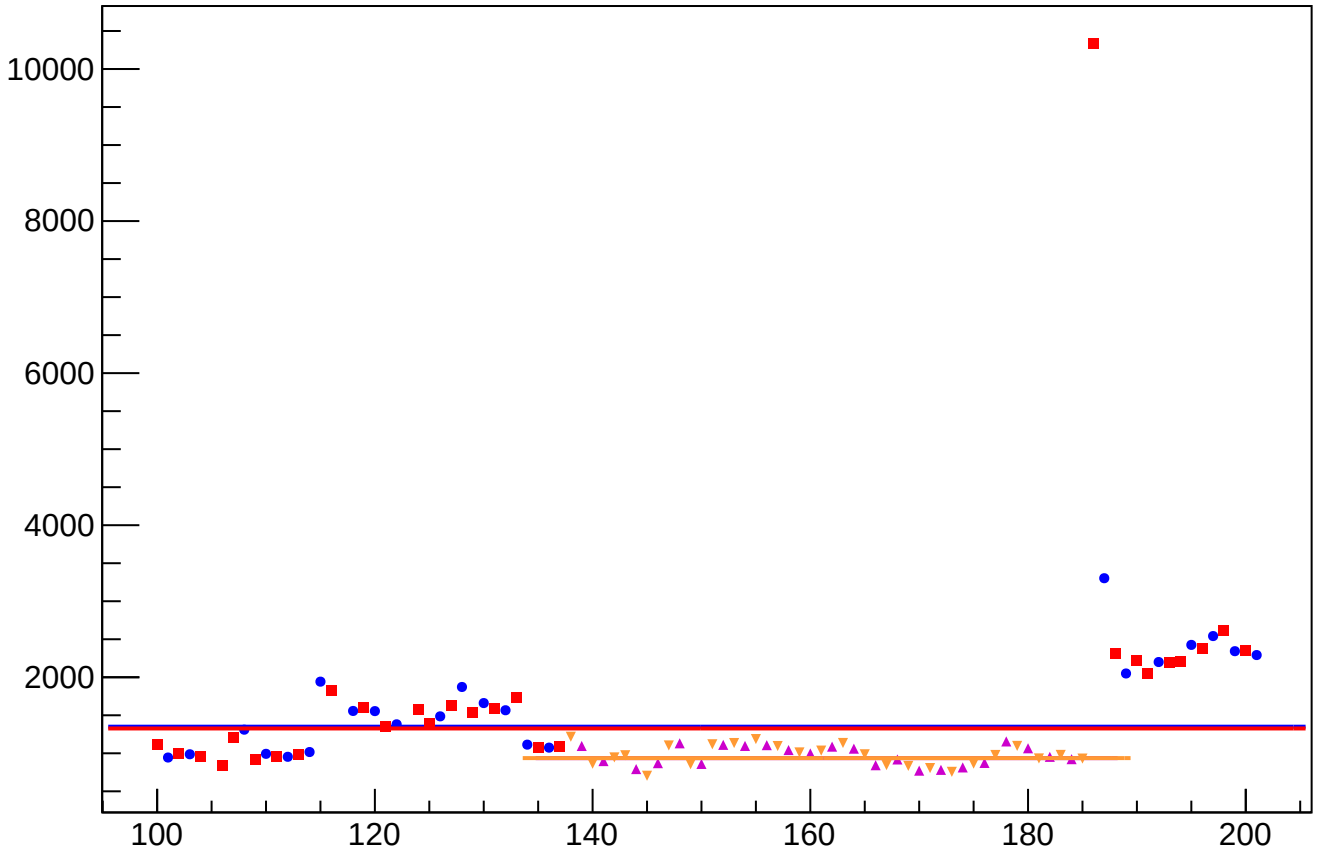
Right Out: -1203.287+/-389.529 χ^2/NDF: 23.5/27

Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -885.510+/-190.927 χ^2/NDF: 75.4/47

All: -638.803+/-135.544 χ^2/NDF: 131.9/98

- sign -388.120+/-192.459 χ^2/NDF: 53.1/50



Right In: 1349.917+/-0.290 χ^2/NDF: 2884312.7/22

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

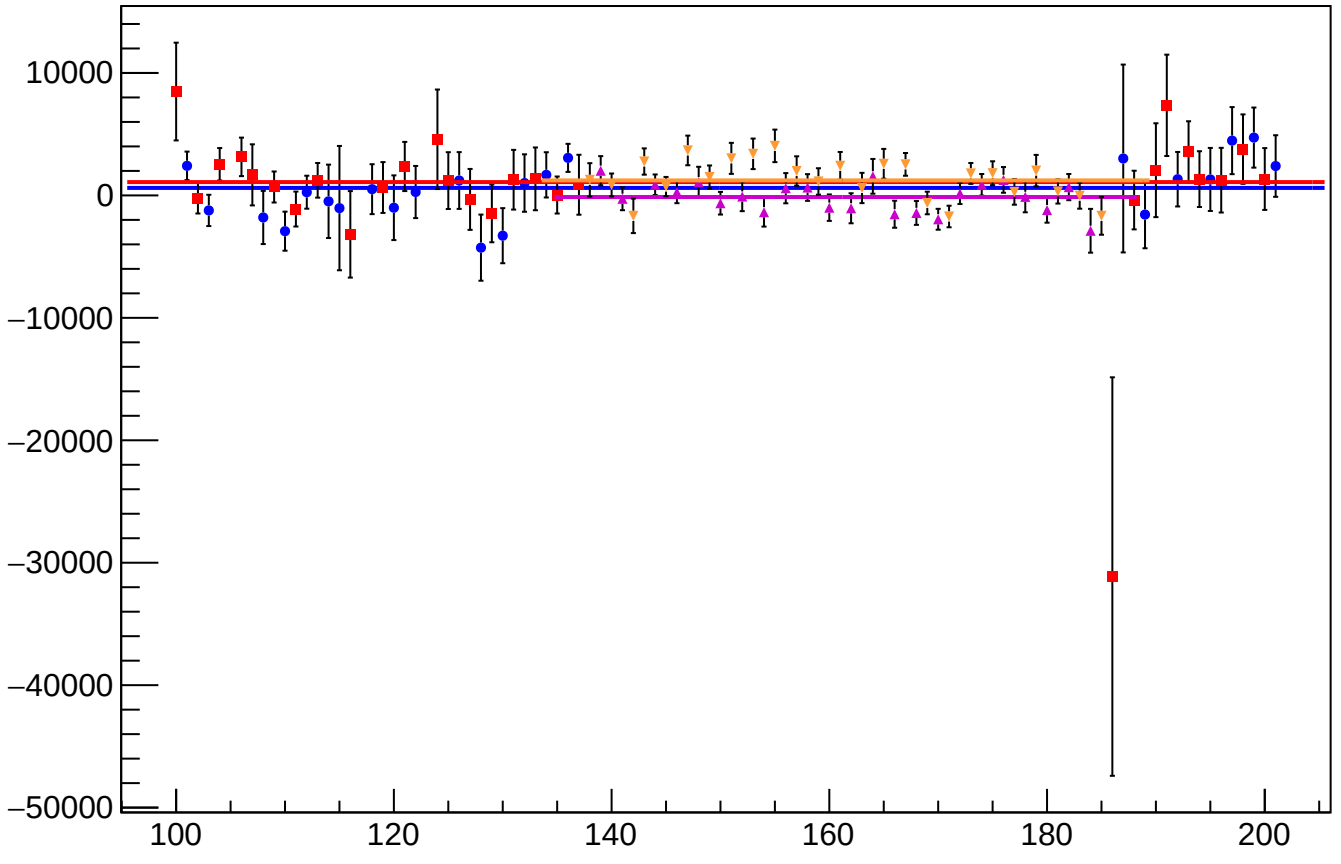
Right Out: 1326.662+/-0.275 χ^2/NDF: 3952900.8/27

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1026.055+/-0.135 χ^2/NDF: 5303732.3/47

All: 1028.832+/-0.096 χ^2/NDF: 11417856.7/9

- sign 1031.654+/-0.136 χ^2/NDF: 6113271.1/50



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: 1087.752+/-389.015 χ^2/NDF: 23.2/27

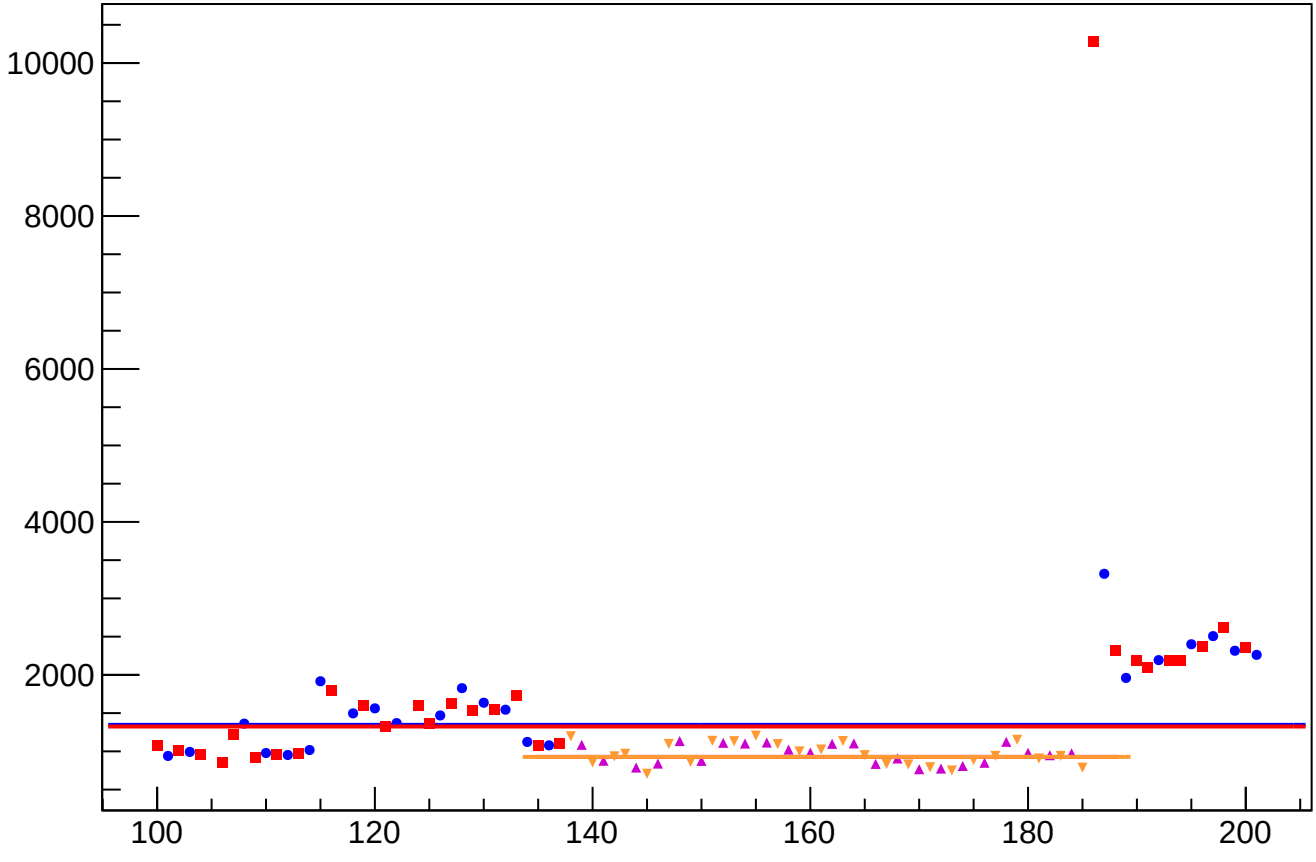
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1093.869+/-189.502 χ^2/NDF: 79.1/47

All: 631.394+/-134.532 χ^2/NDF: 147.6/98

- sign 161.472+/-191.021 χ^2/NDF: 56.6/50

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: 1324.877+/-0.275 χ^2/NDF: 3913406.4/27

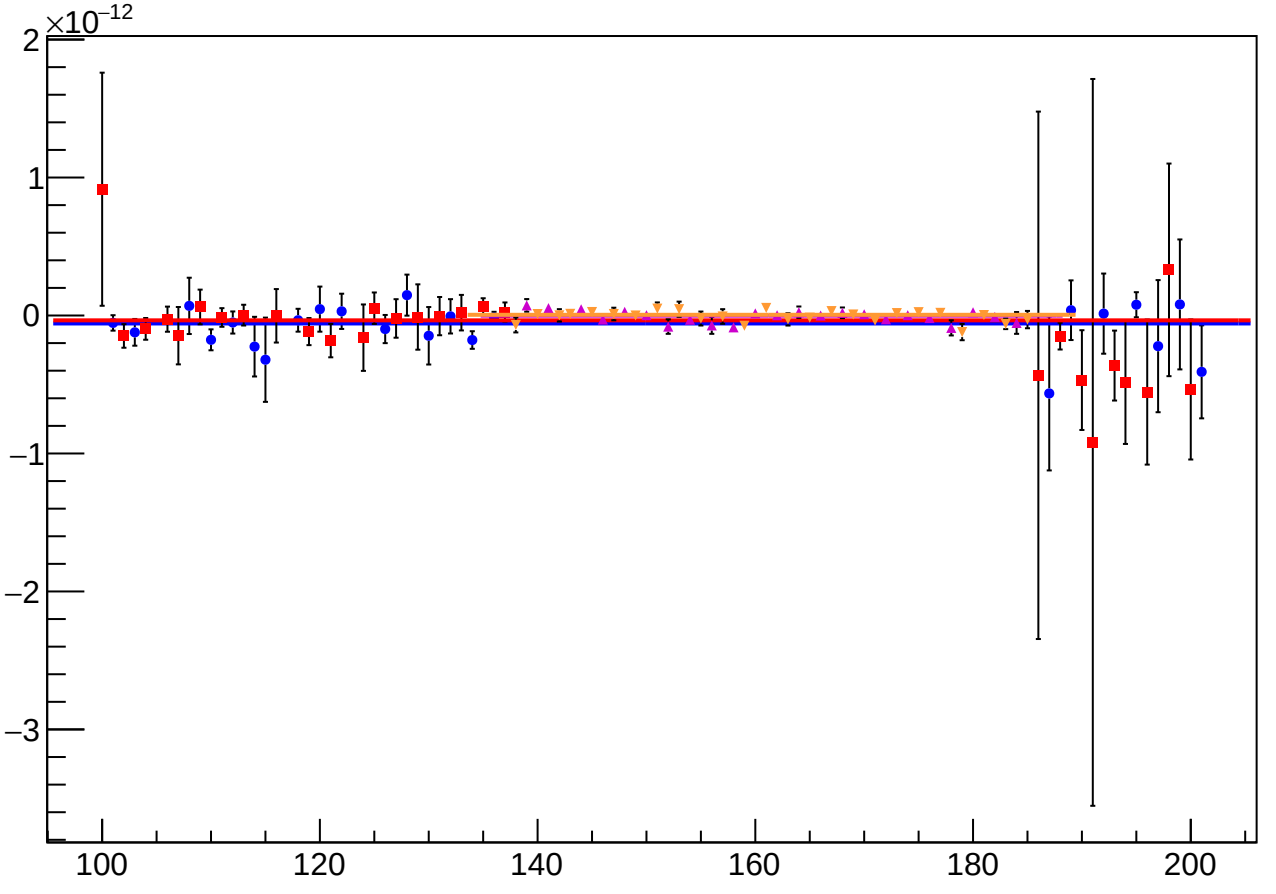
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1017.508+/-0.134 χ^2/NDF: 5317641.1/47

All: 1020.321+/-0.095 χ^2/NDF: 11473614.2/9

- sign 1023.179+/-0.135 χ^2/NDF: 6155084.8/50

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

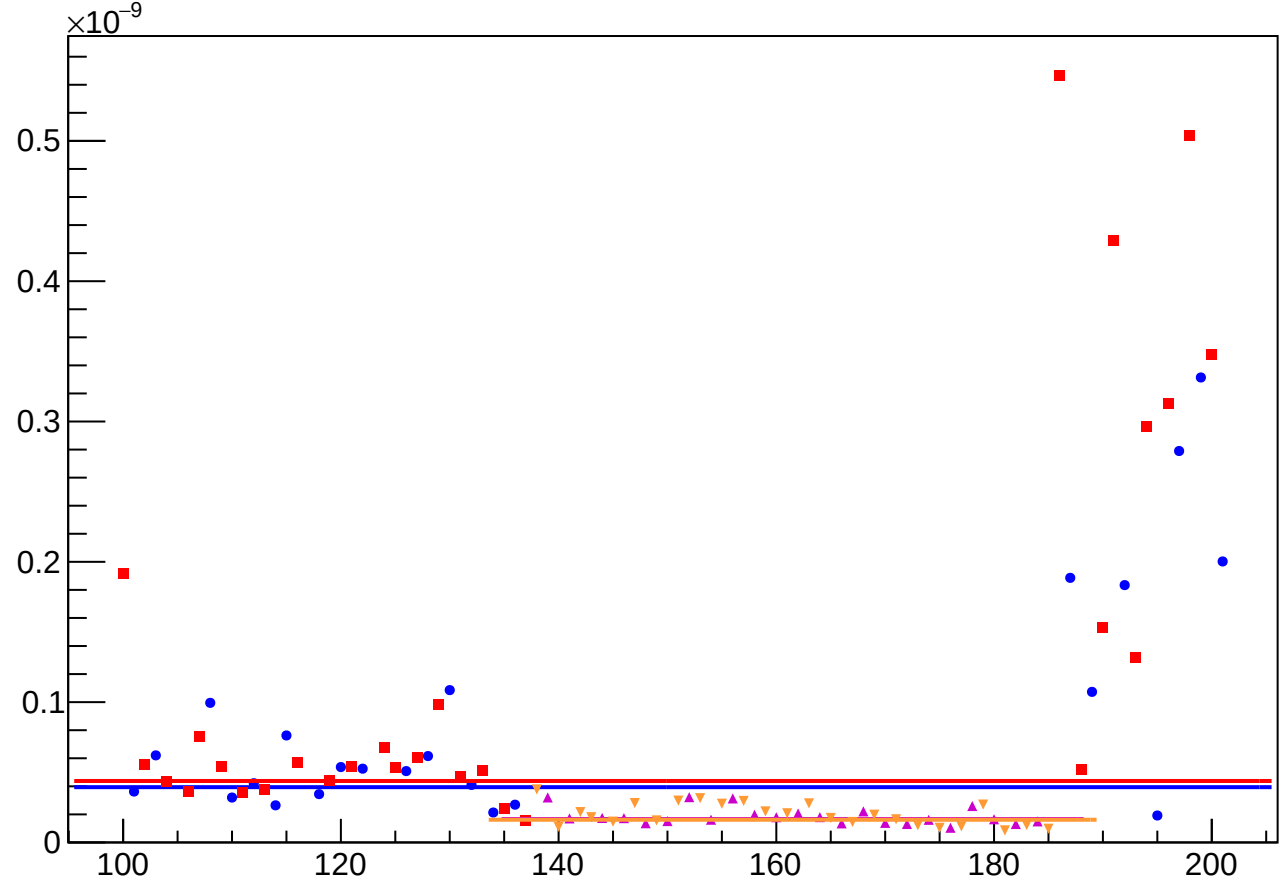
Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/27

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: 100.5/98

- sign -0.000+/-0.000 χ^2/NDF: 49.5/50



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: 4176385.6/27

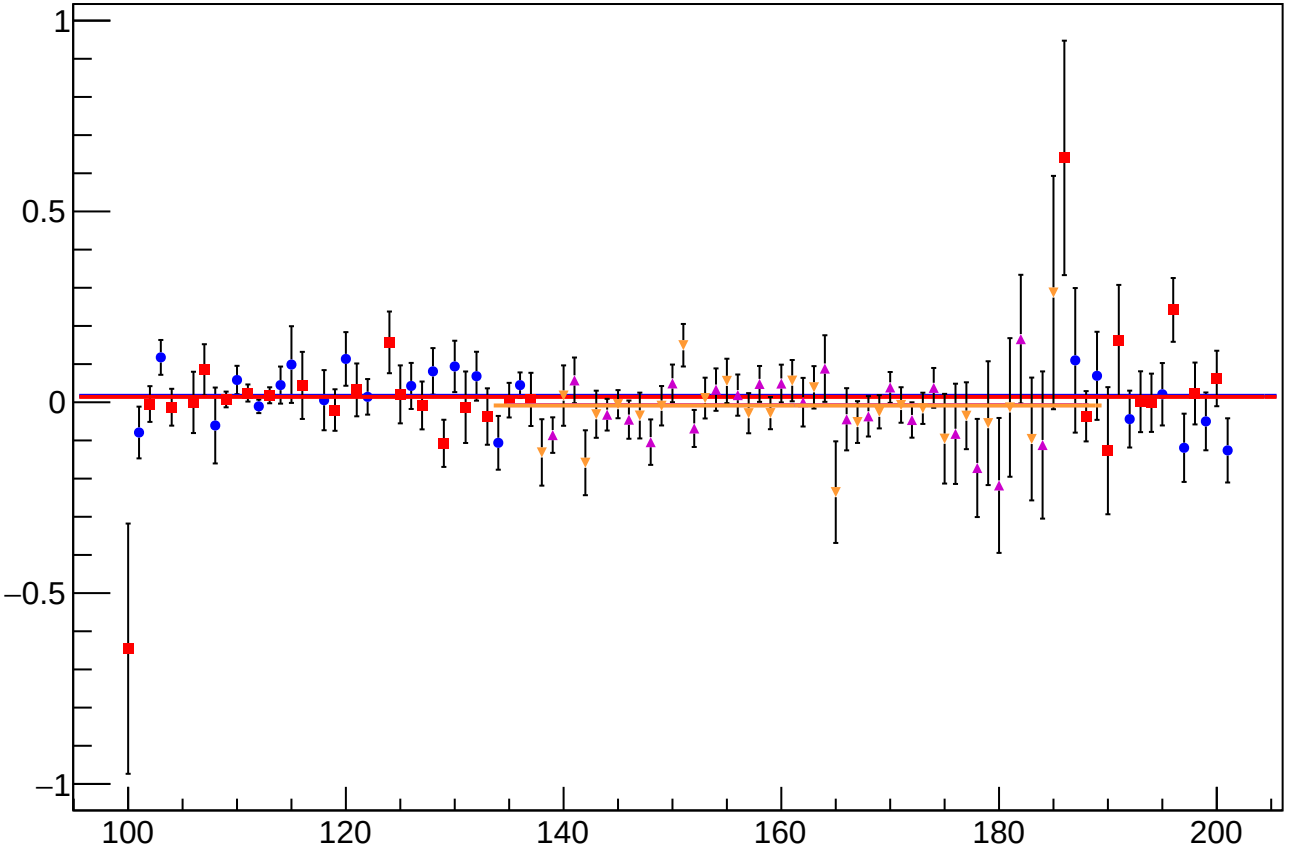
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7925044.7/47

All: 0.000+/-0.000 χ^2/NDF: 15761674.7/98

- sign 0.000+/-0.000 χ^2/NDF: 7820180.3/50

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: 0.014+/-0.009 χ^2/NDF: 28.8/27

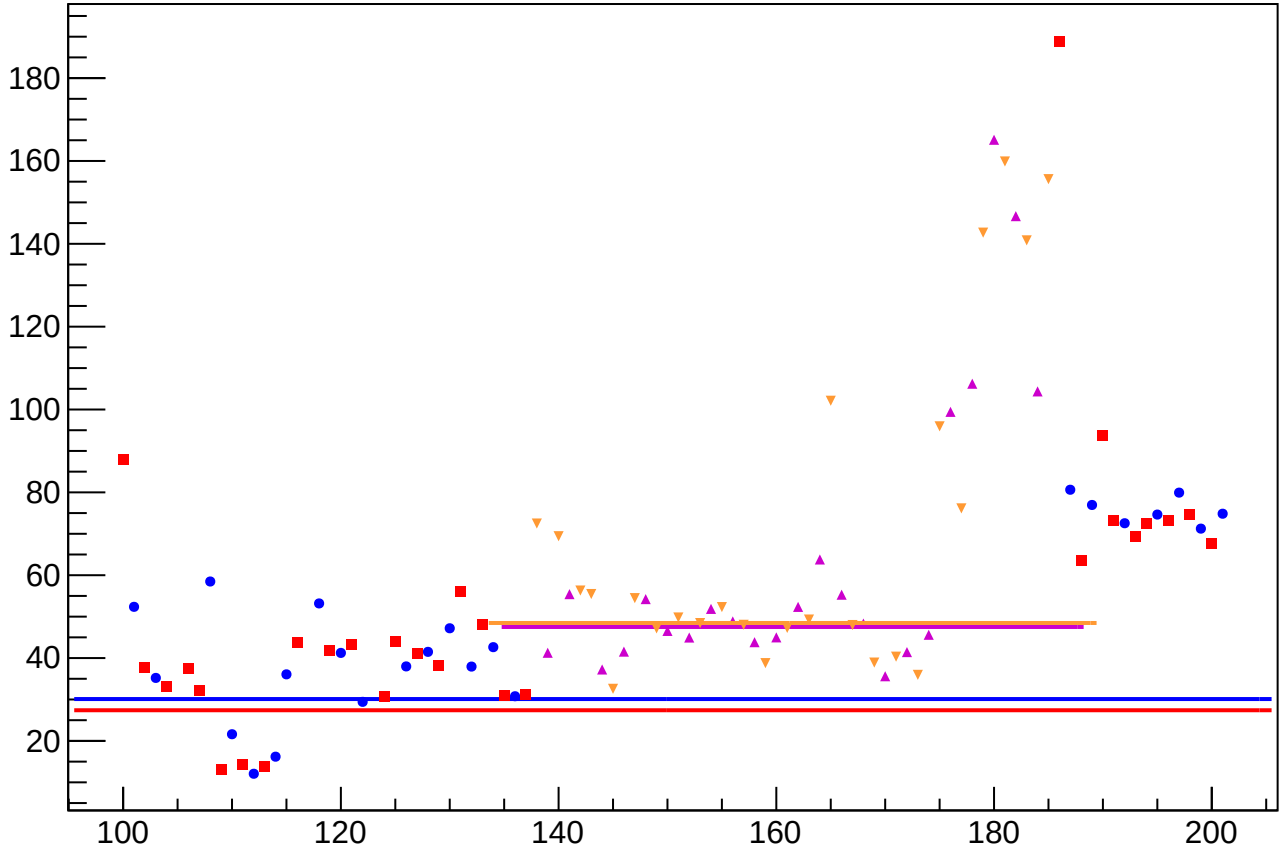
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.006+/-0.008 χ^2/NDF: 53.9/47

All: 0.006+/-0.005 χ^2/NDF: 107.9/98

- sign 0.006+/-0.007 χ^2/NDF: 54.0/50

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

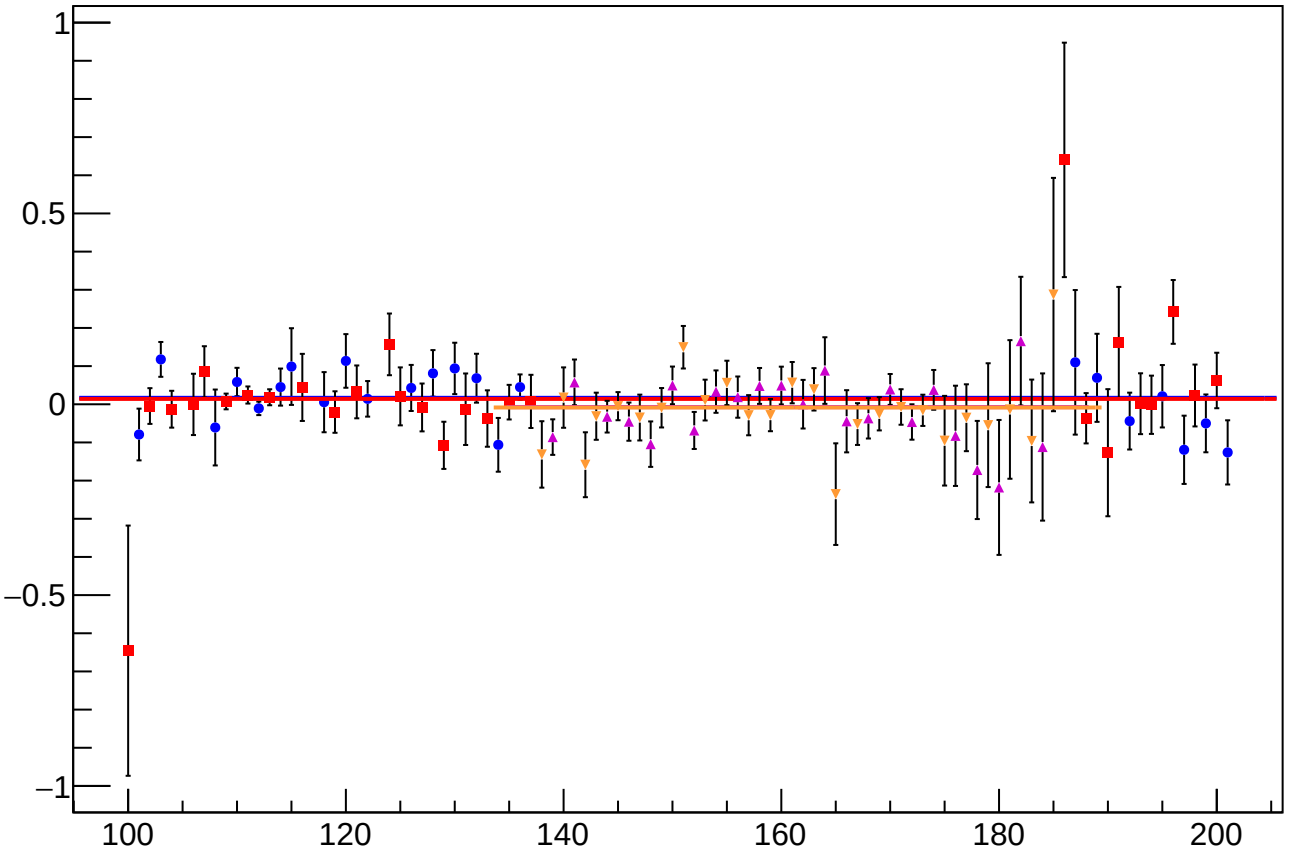
Right Out: 27.402+/-0.007 χ^2/NDF: 8437630.9/27

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 38.082+/-0.006 χ^2/NDF: 13808836.0/47

All: 36.391+/-0.004 χ^2/NDF: 28985333.2/98

- sign 34.927+/-0.005 χ^2/NDF: 15006026.2/50



Right In: 0.017+/-0.011 χ^2/NDF: 28.2/22

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

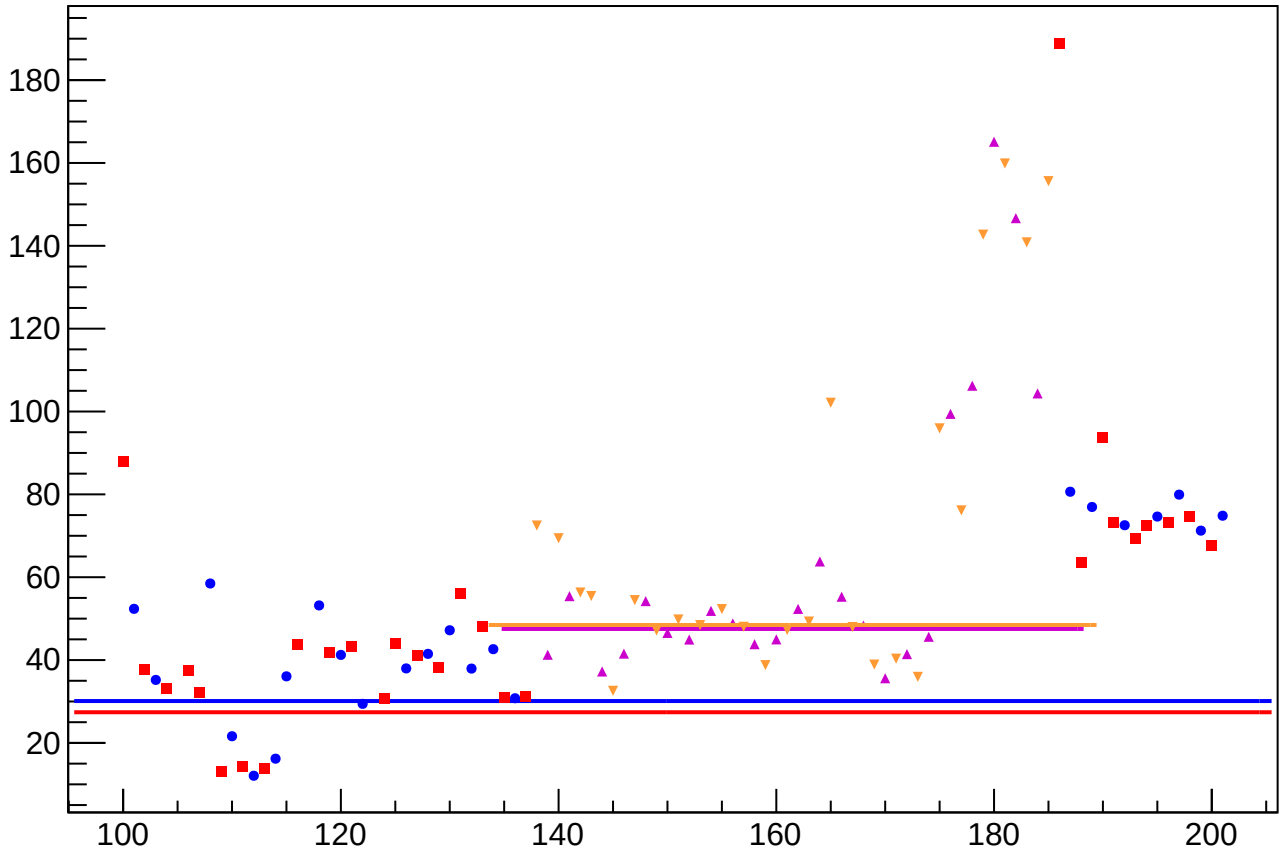
Right Out: 0.014+/-0.009 χ^2/NDF: 28.8/27

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: 107.9/98

- sign 0.006+/-0.007 χ^2/NDF: 54.0/50



Right In: 30.108+/-0.007 χ^2/NDF: 6788537.9/22

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

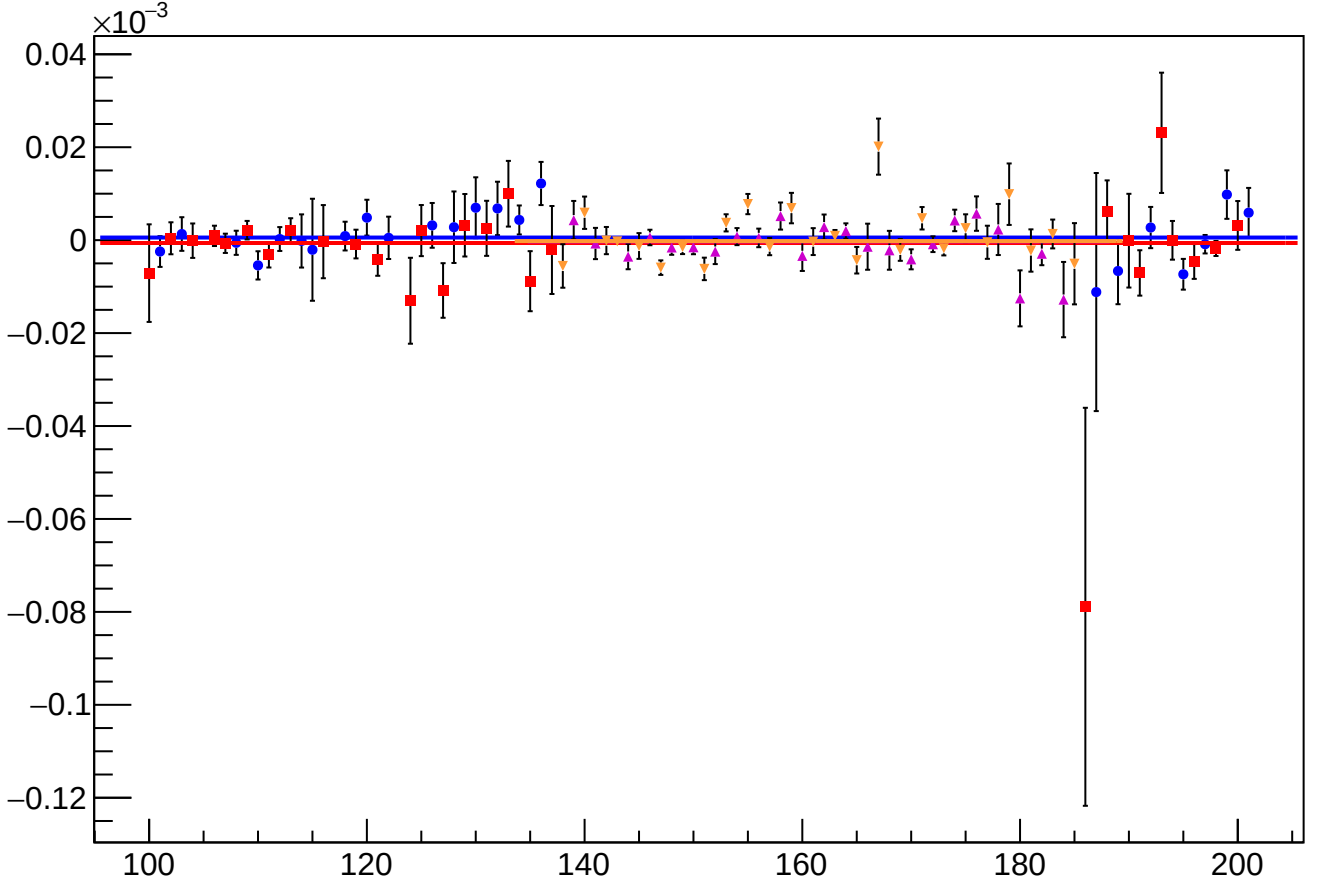
Right Out: 27.402+/-0.007 χ^2/NDF: 8437630.9/27

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 38.082+/-0.006 χ^2/NDF: 13808836.0/47

All: 36.391+/-0.004 χ^2/NDF: 28985333.2/98

- sign 34.927+/-0.005 χ^2/NDF: 15006026.2/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

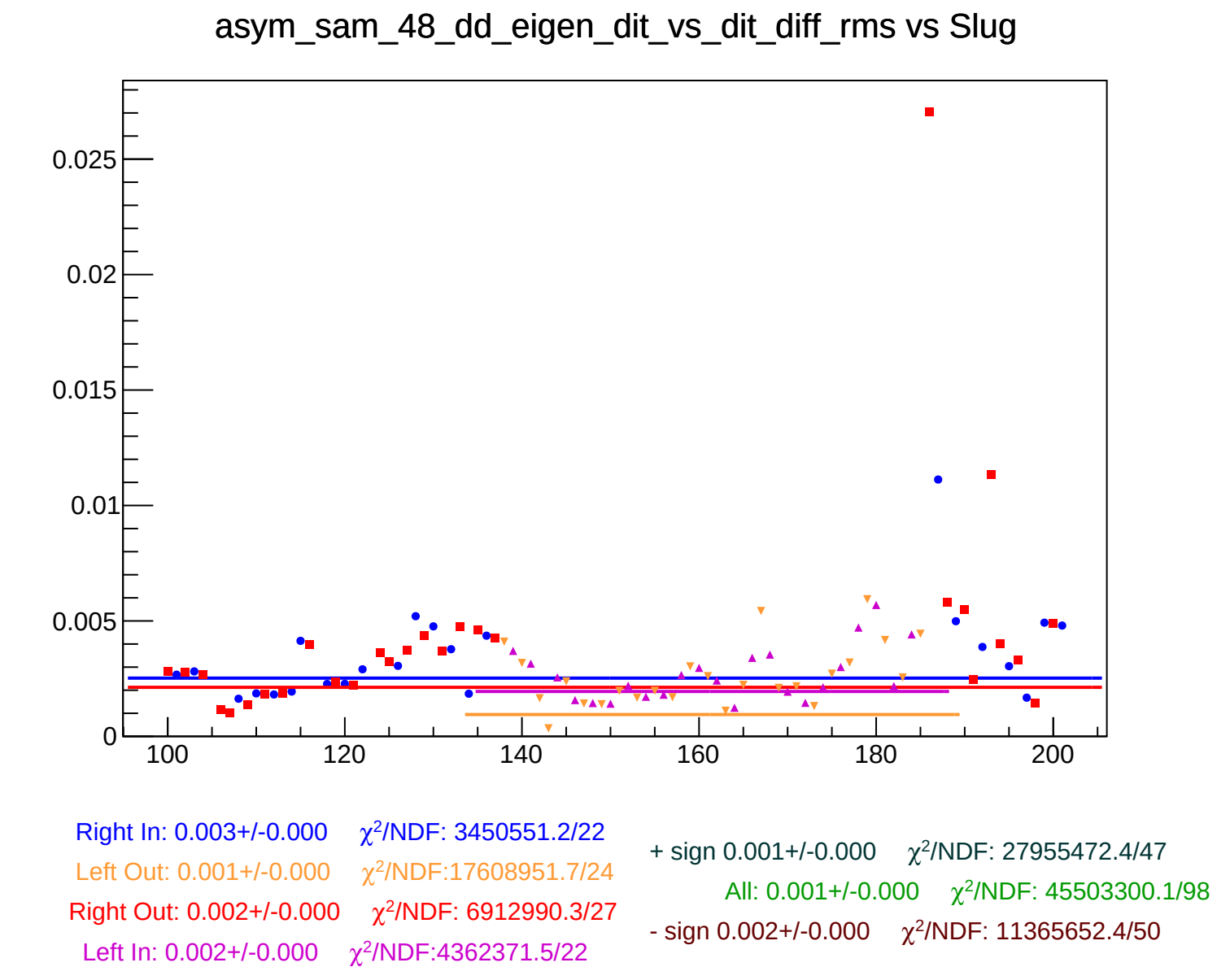
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/27

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

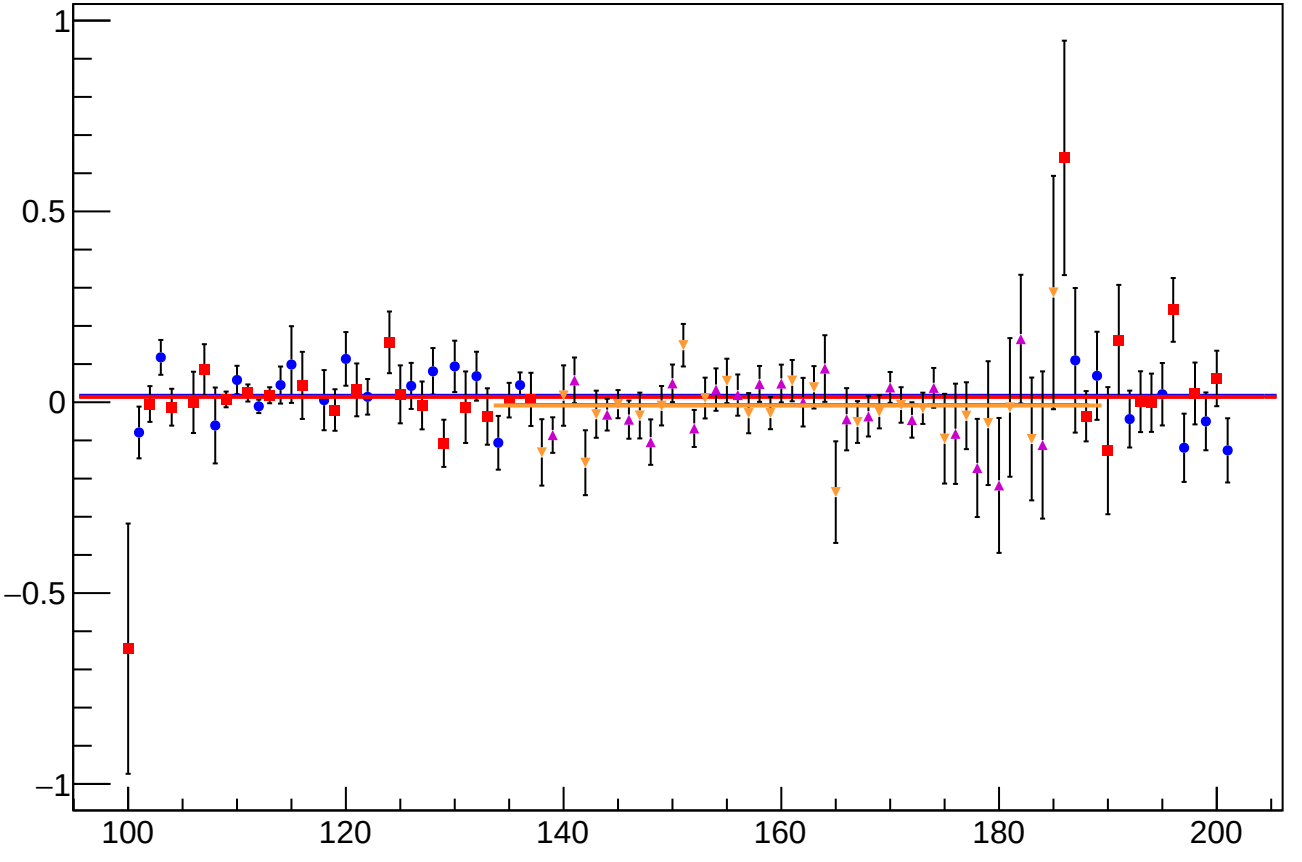
+ sign -0.000+/-0.000 χ^2/NDF: 100.8/47

All: -0.000+/-0.000 χ^2/NDF: 159.3/98

- sign -0.000+/-0.000 χ^2/NDF: 58.1/50


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: 6912990.3/27
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: 45503300.1/98
- sign 0.002+/-0.000 χ²/NDF: 11365652.4/50

asym_sam_48_dd_eigen_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: 0.014+/-0.009 χ^2/NDF: 28.8/27

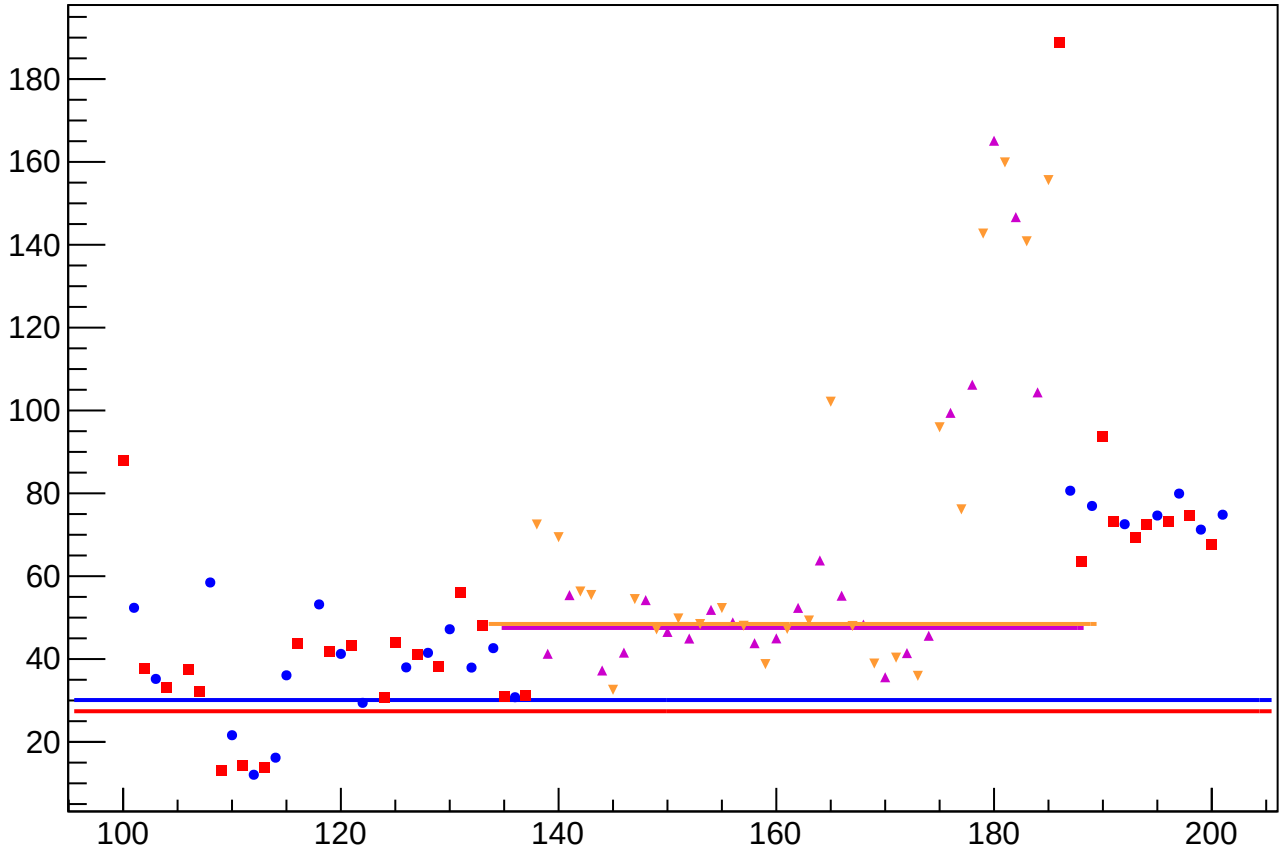
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.006+/-0.008 χ^2/NDF: 53.9/47

All: 0.006+/-0.005 χ^2/NDF: 107.9/98

- sign 0.006+/-0.007 χ^2/NDF: 54.0/50

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

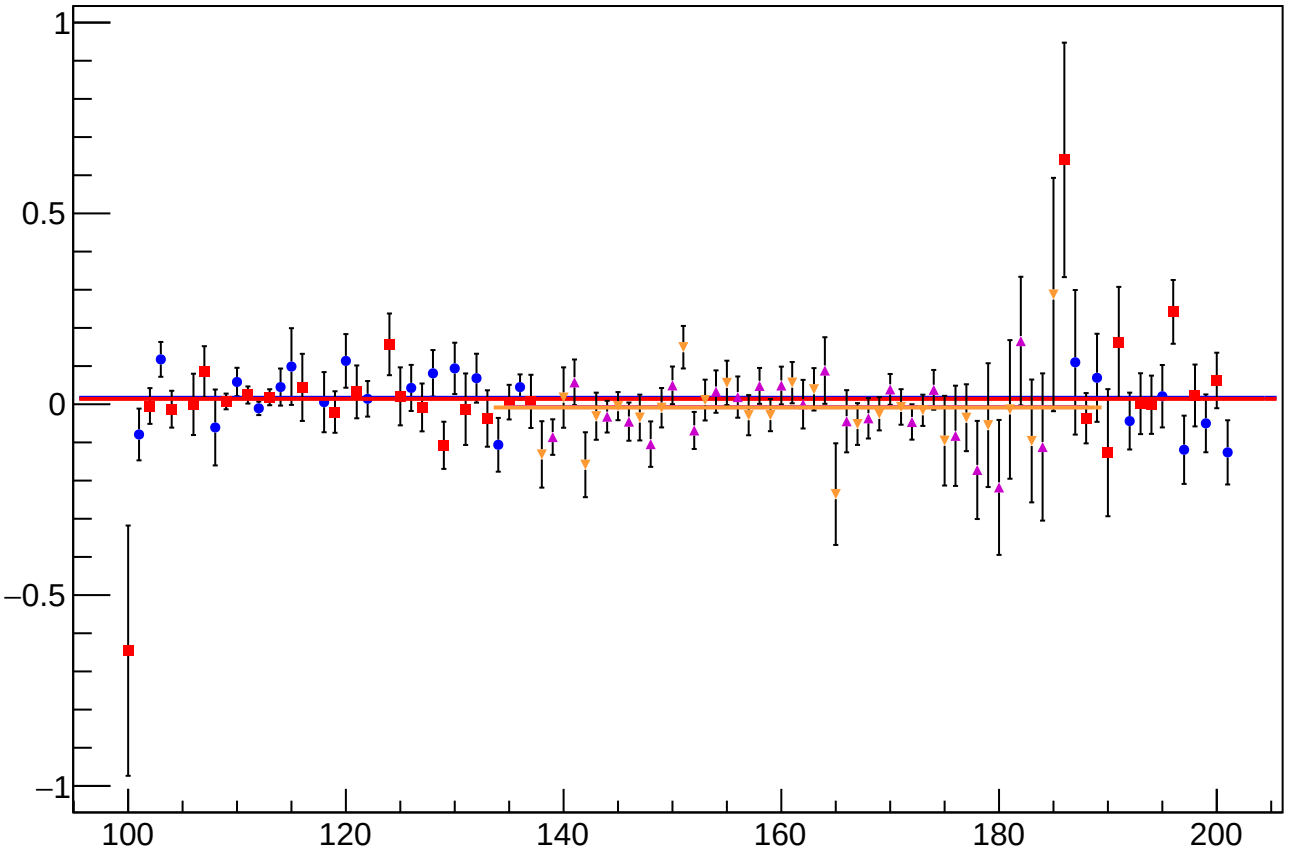
Right Out: 27.401+/-0.007 χ^2/NDF: 8437841.8/27

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 38.081+/-0.006 χ^2/NDF: 13809942.0/47

All: 36.390+/-0.004 χ^2/NDF: 28986737.2/98

- sign 34.927+/-0.005 χ^2/NDF: 15006404.1/50



Right In: 0.017+/-0.011 χ^2/NDF: 28.2/22

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

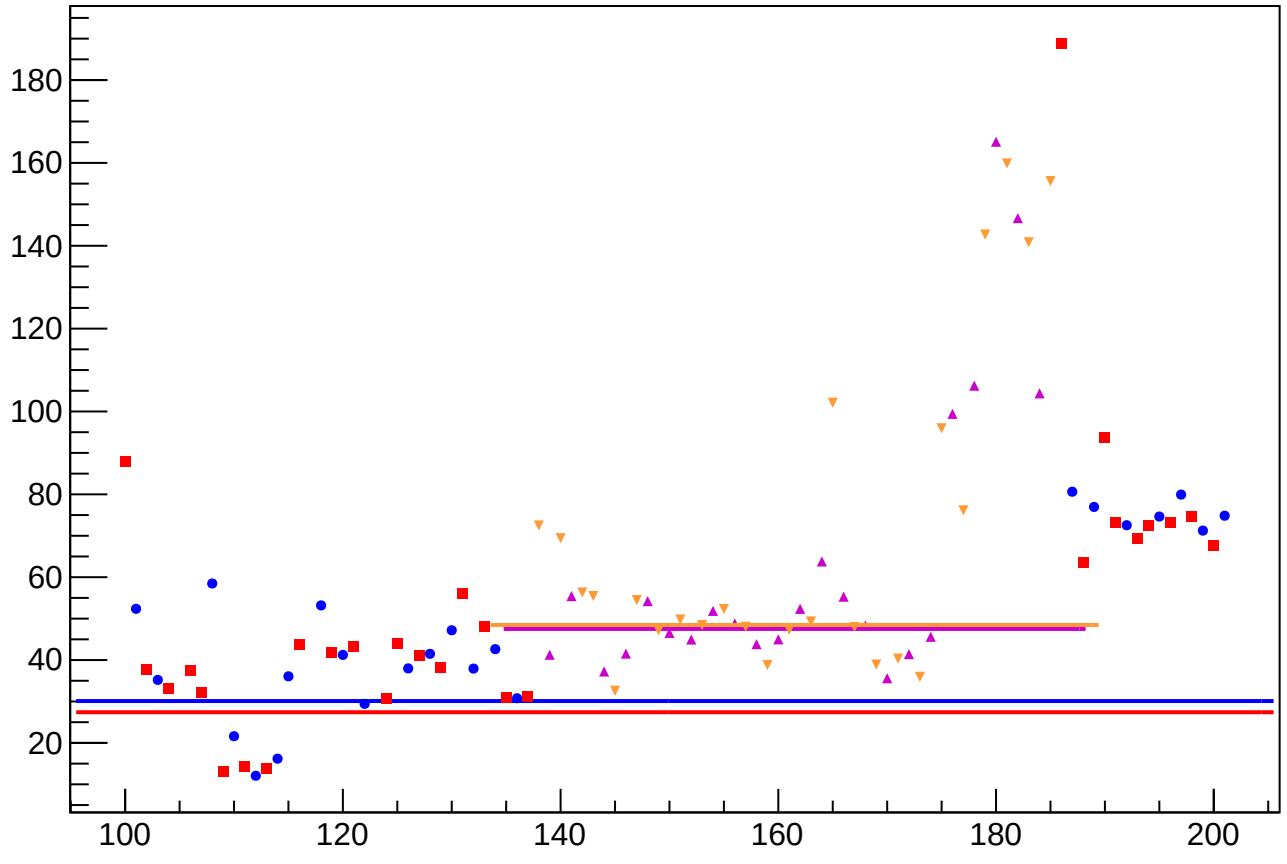
Right Out: 0.014+/-0.009 χ^2/NDF: 28.8/27

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: 107.9/98

- sign 0.006+/-0.007 χ^2/NDF: 54.0/50



Right In: 30.106+/-0.007 χ^2/NDF: 6789136.3/22

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

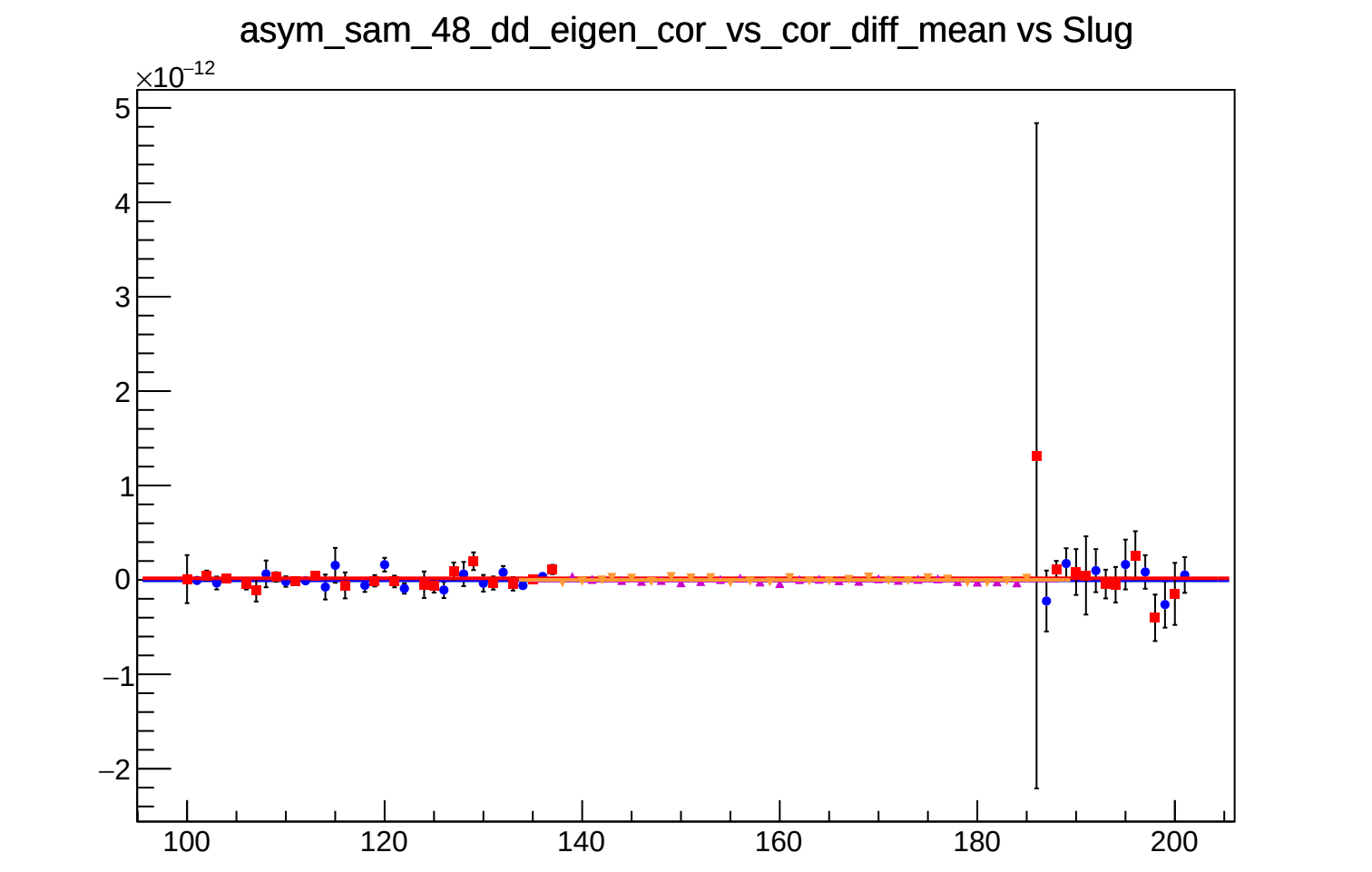
Right Out: 27.401+/-0.007 χ^2/NDF: 8437841.8/27

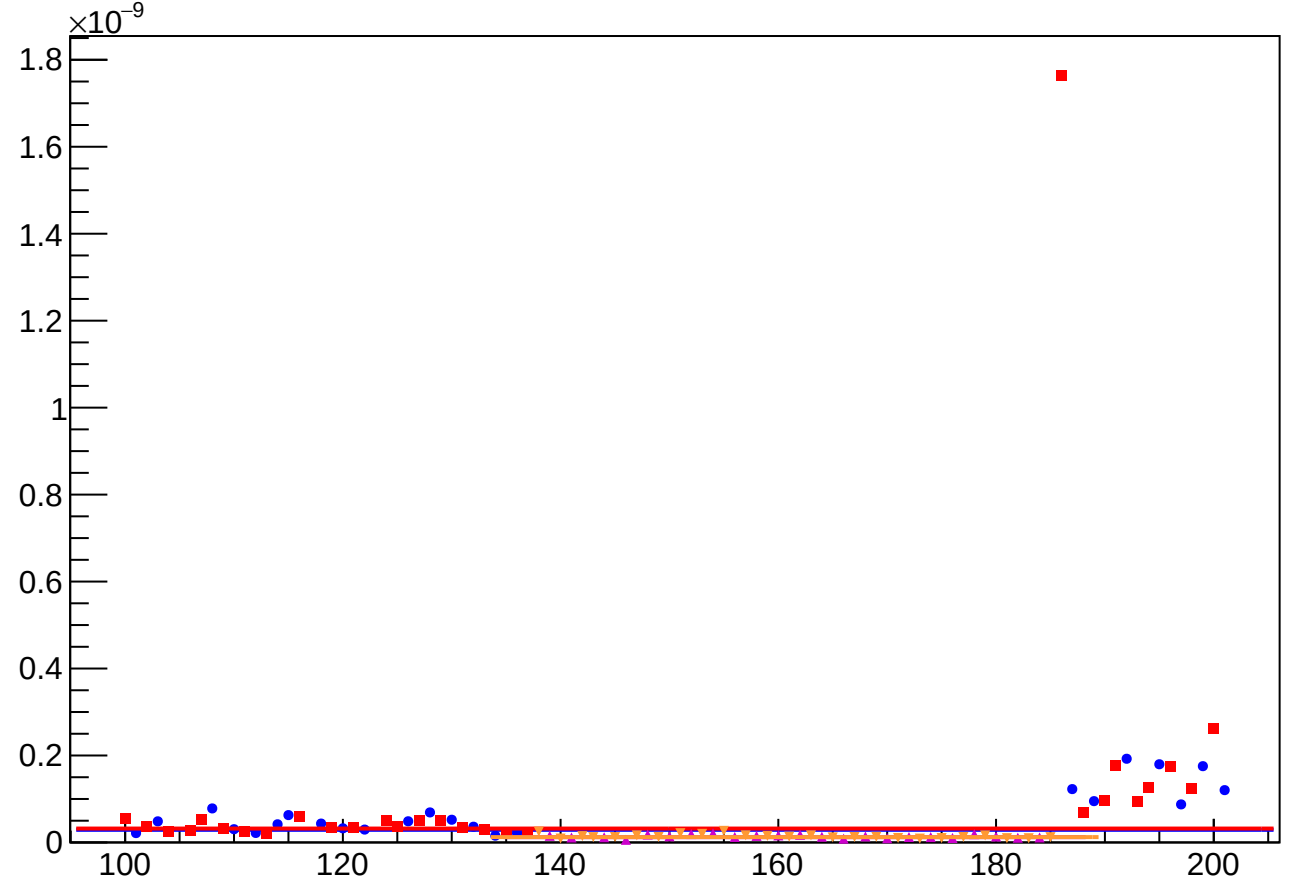
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 38.081+/-0.006 χ^2/NDF: 13809942.0/47

All: 36.390+/-0.004 χ^2/NDF: 28986737.2/98

- sign 34.927+/-0.005 χ^2/NDF: 15006404.1/50


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: 20.7/27
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: 97.2/98
- sign -0.000+/-0.000 χ²/NDF: 42.6/50



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: 4945714.9/27

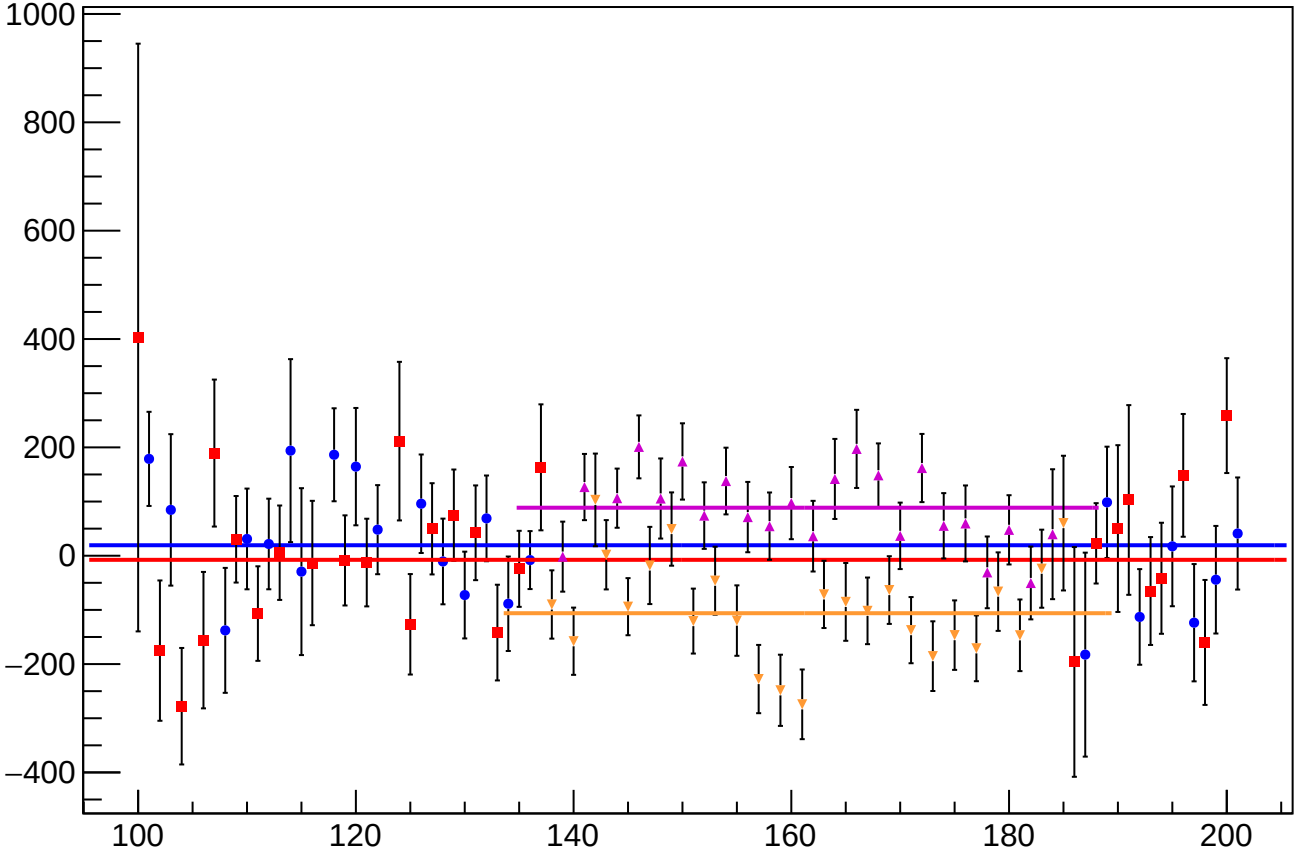
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10584696.4/47

All: 0.000+/-0.000 χ^2/NDF: 21749645.0/98

- sign 0.000+/-0.000 χ^2/NDF: 11162902.7/50

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: -7.569+/-19.043 χ^2/NDF: 35.6/27

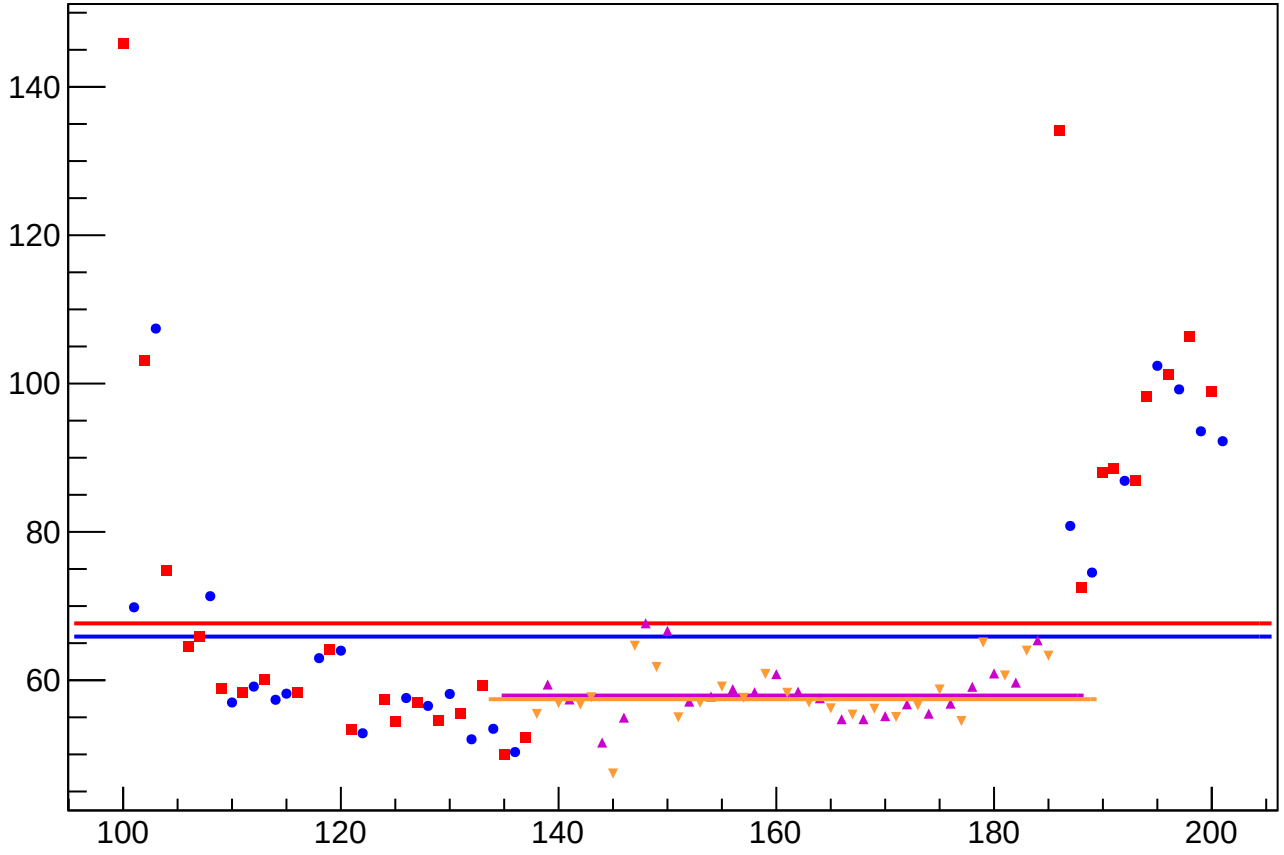
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -66.882+/-10.852 χ^2/NDF: 92.3/47

All: -6.430+/-7.742 χ^2/NDF: 232.0/98

- sign 56.237+/-11.049 χ^2/NDF: 76.5/50

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

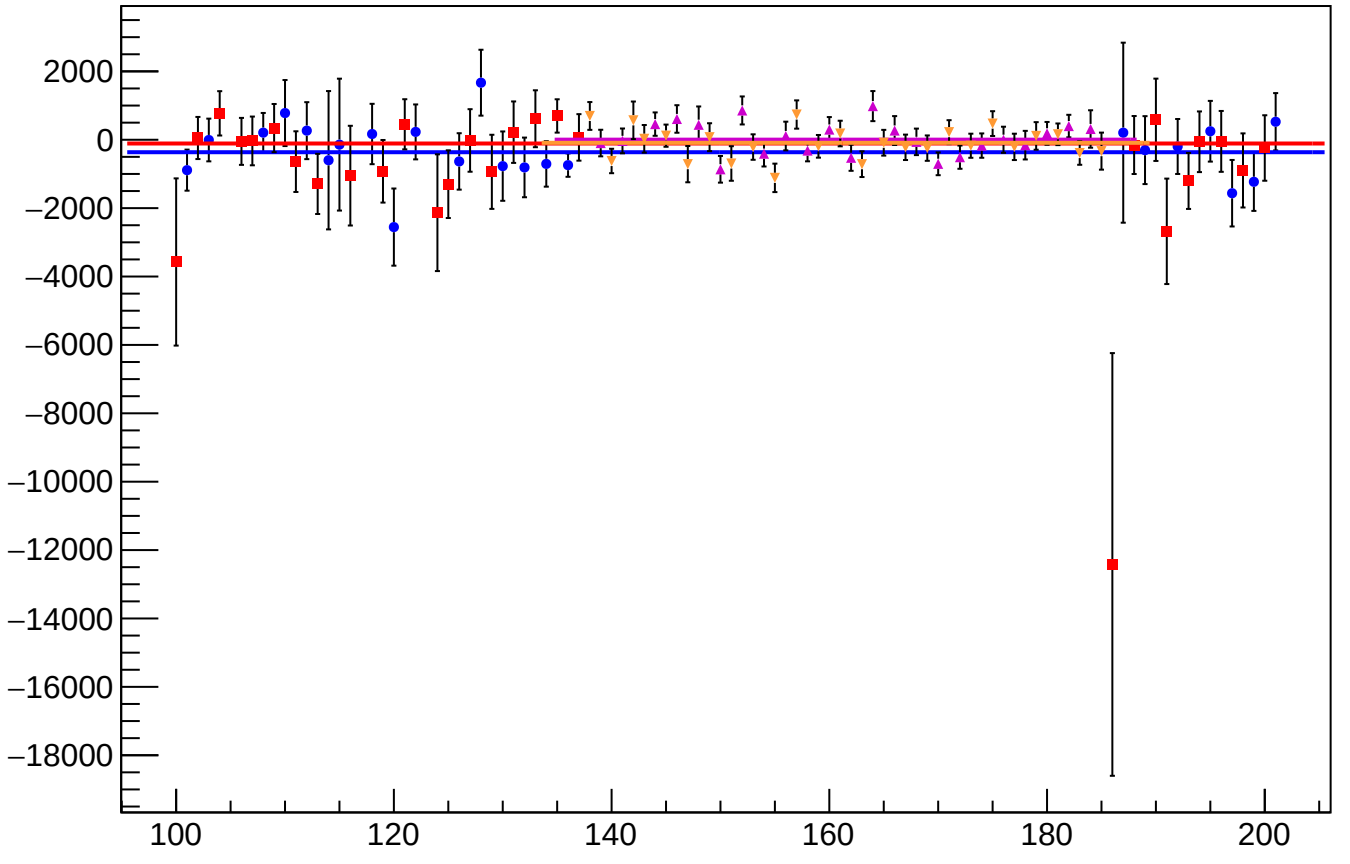
Right Out: 67.667+/-0.013 χ^2/NDF: 1788588.7/27

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.080+/-0.008 χ^2/NDF: 1881486.9/47

All: 60.635+/-0.005 χ^2/NDF: 4163241.8/98

- sign 61.210+/-0.008 χ^2/NDF: 2271122.9/50



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: -109.723+/-161.526 χ^2/NDF: 24.9/27

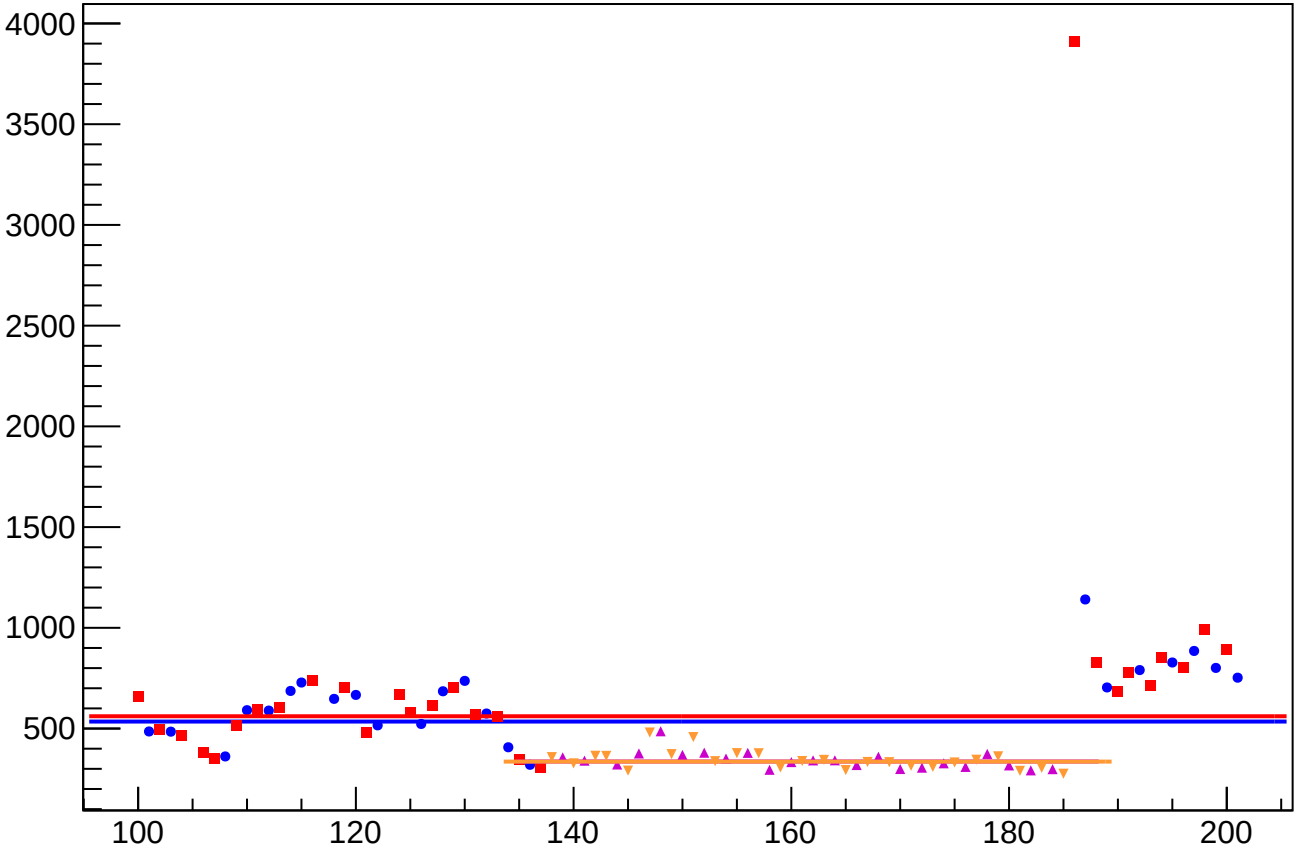
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -140.267+/-69.486 χ^2/NDF: 51.8/47

All: -80.937+/-49.697 χ^2/NDF: 112.1/98

- sign -18.808+/-71.107 χ^2/NDF: 58.8/50

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: 561.017+/-0.114 χ^2/NDF: 3052459.4/27

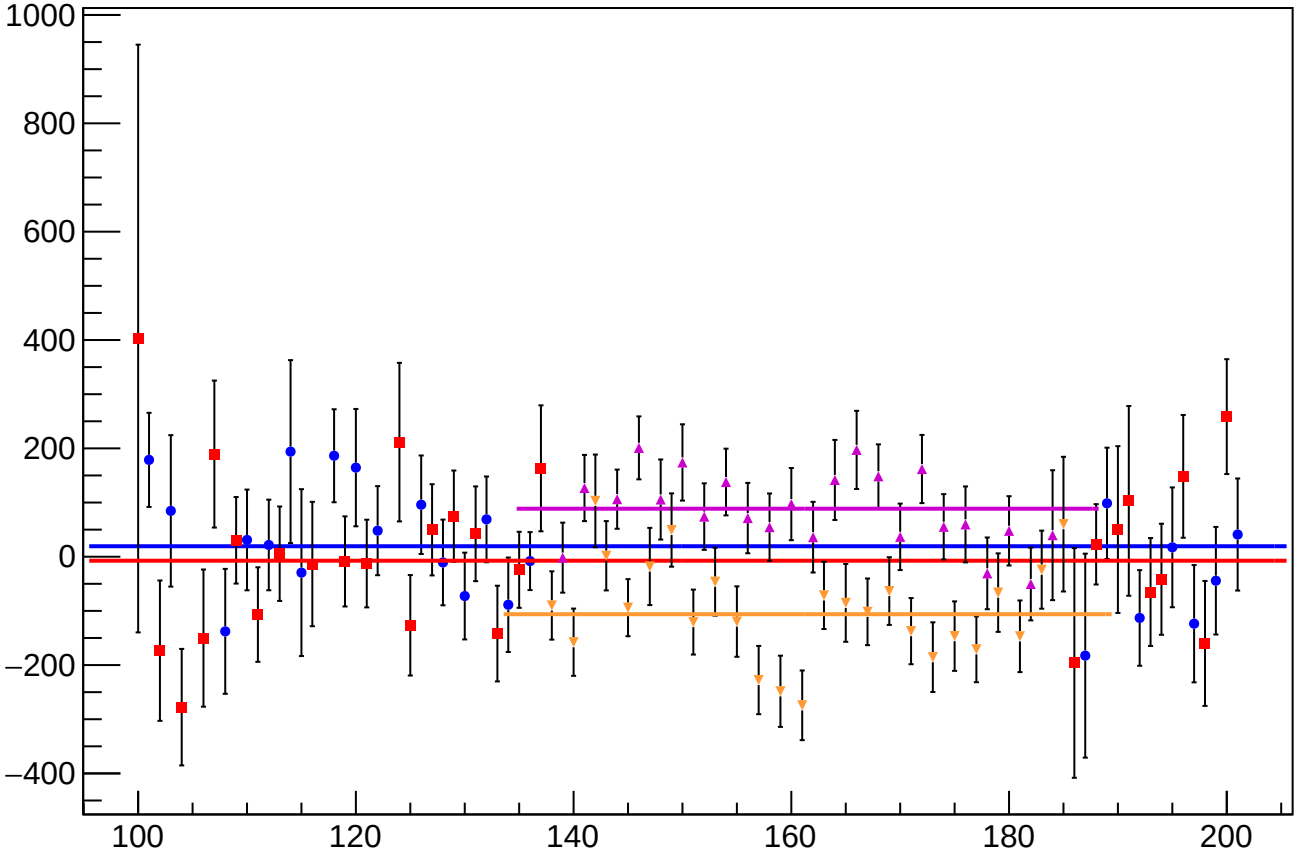
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 372.855+/-0.049 χ^2/NDF: 5498379.3/47

All: 376.288+/-0.035 χ^2/NDF: 12094624.3/98

- sign 379.883+/-0.050 χ^2/NDF: 6586250.6/50

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: -7.361+/-19.045 χ^2/NDF: 35.5/27

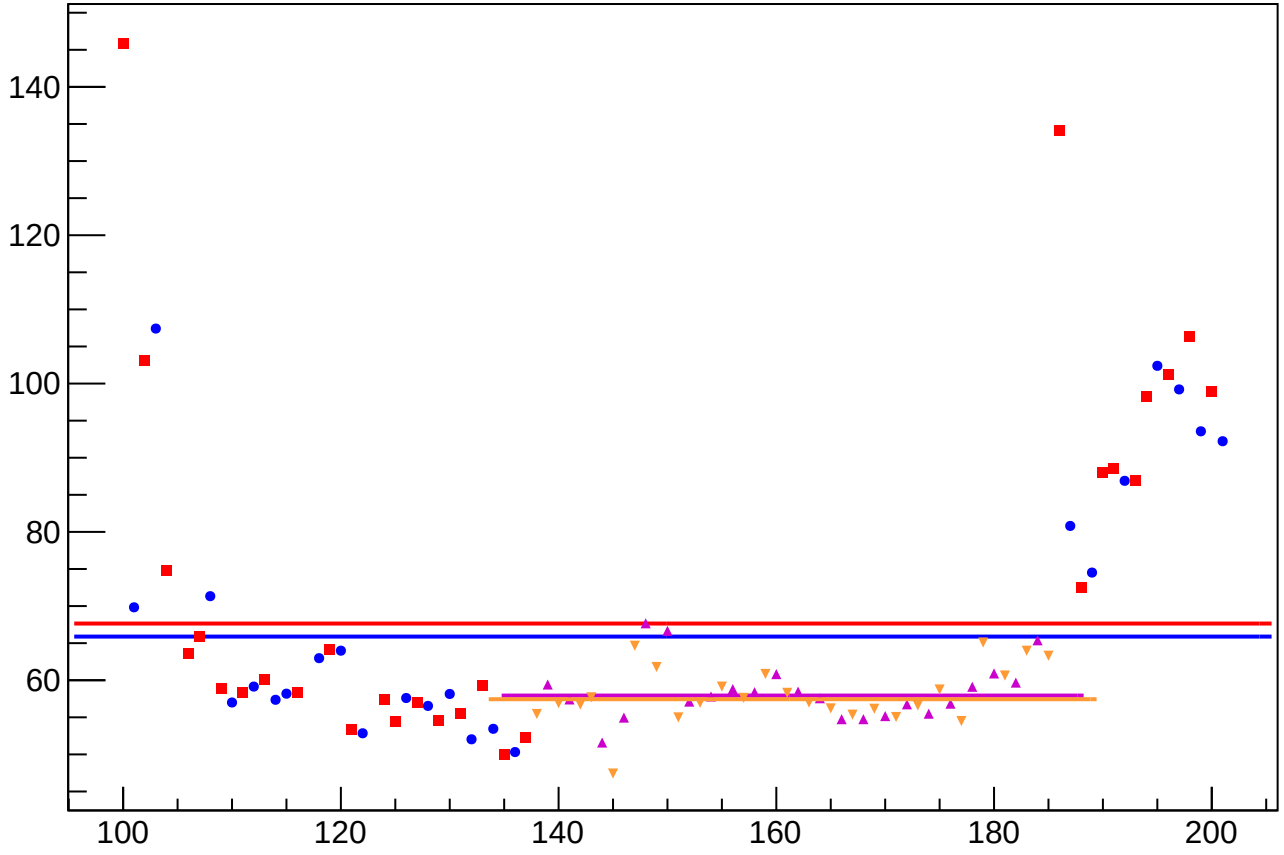
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -66.883+/-10.852 χ^2/NDF: 92.3/47

All: -6.396+/-7.742 χ^2/NDF: 231.8/98

\- sign 56.314+/-11.050 χ^2/NDF: 76.2/50

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

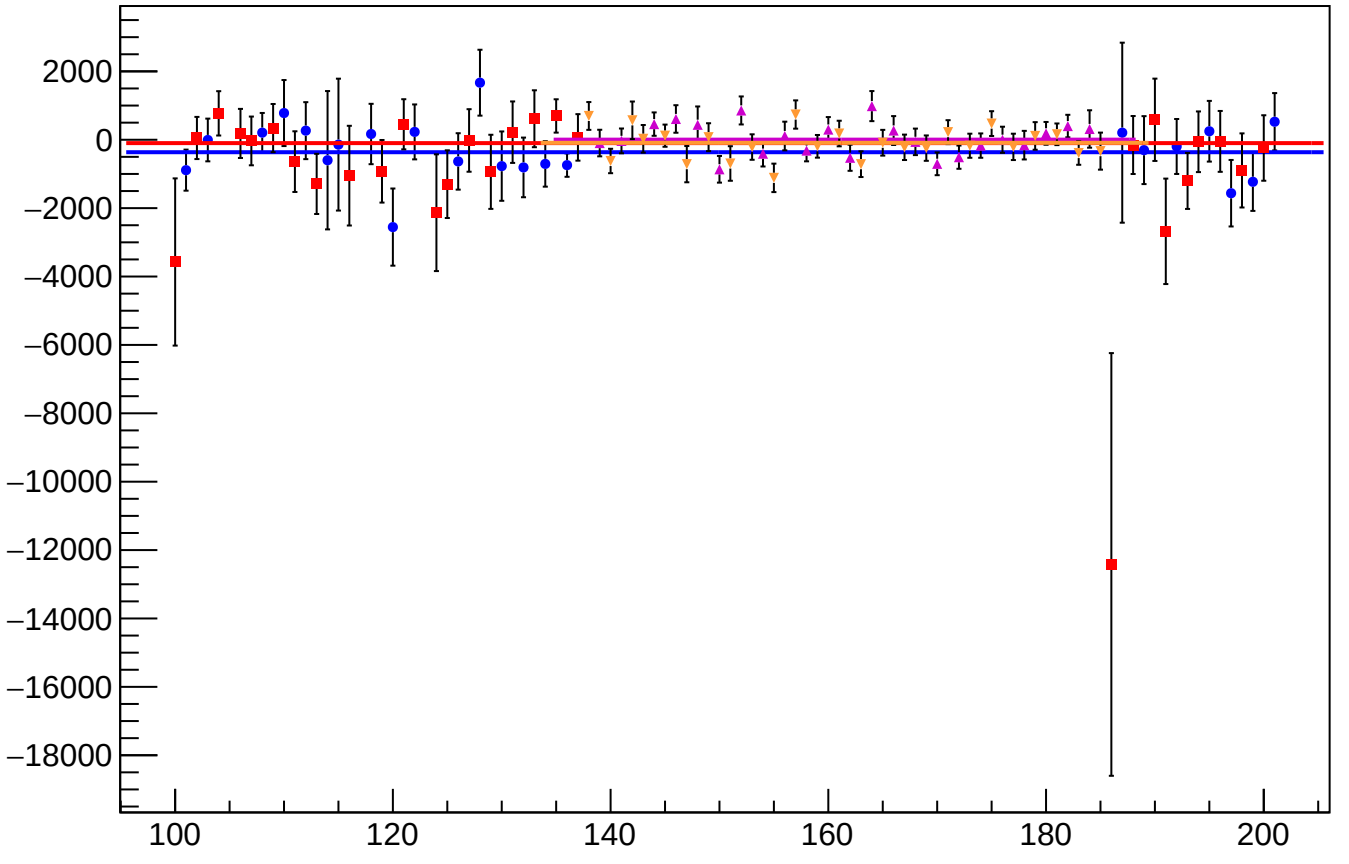
Right Out: 67.645+/-0.013 χ^2/NDF: 1789664.3/27

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 60.080+/-0.008 χ^2/NDF: 1881488.9/47

All: 60.631+/-0.005 χ^2/NDF: 4162596.2/98

\- sign 61.202+/-0.008 χ^2/NDF: 2270621.3/50



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: -98.194+/-161.914 χ^2/NDF: 25.0/27

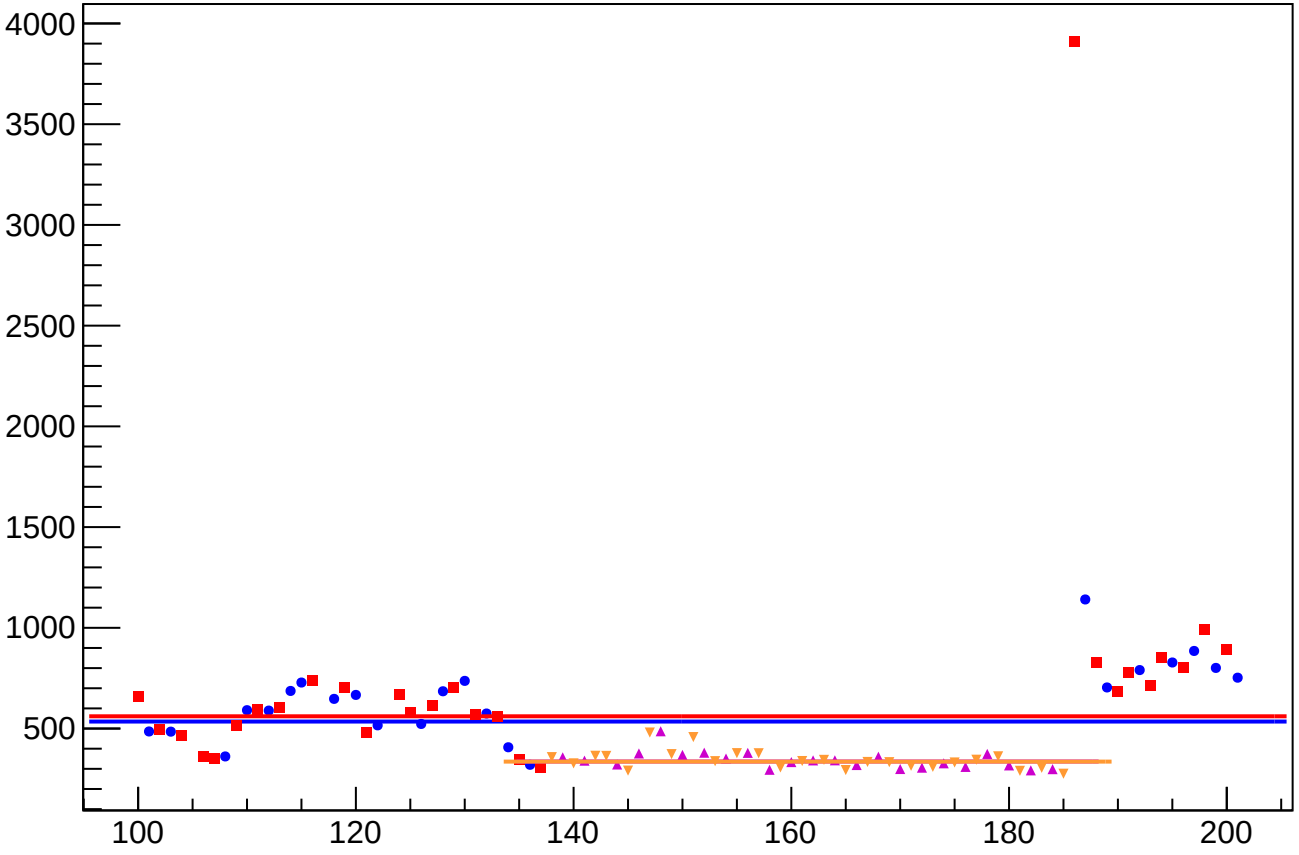
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -140.263+/-69.486 χ^2/NDF: 51.8/47

All: -79.835+/-49.709 χ^2/NDF: 112.2/98

- sign -16.497+/-71.140 χ^2/NDF: 58.9/50

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: 560.832+/-0.114 χ^2/NDF: 3071446.3/27

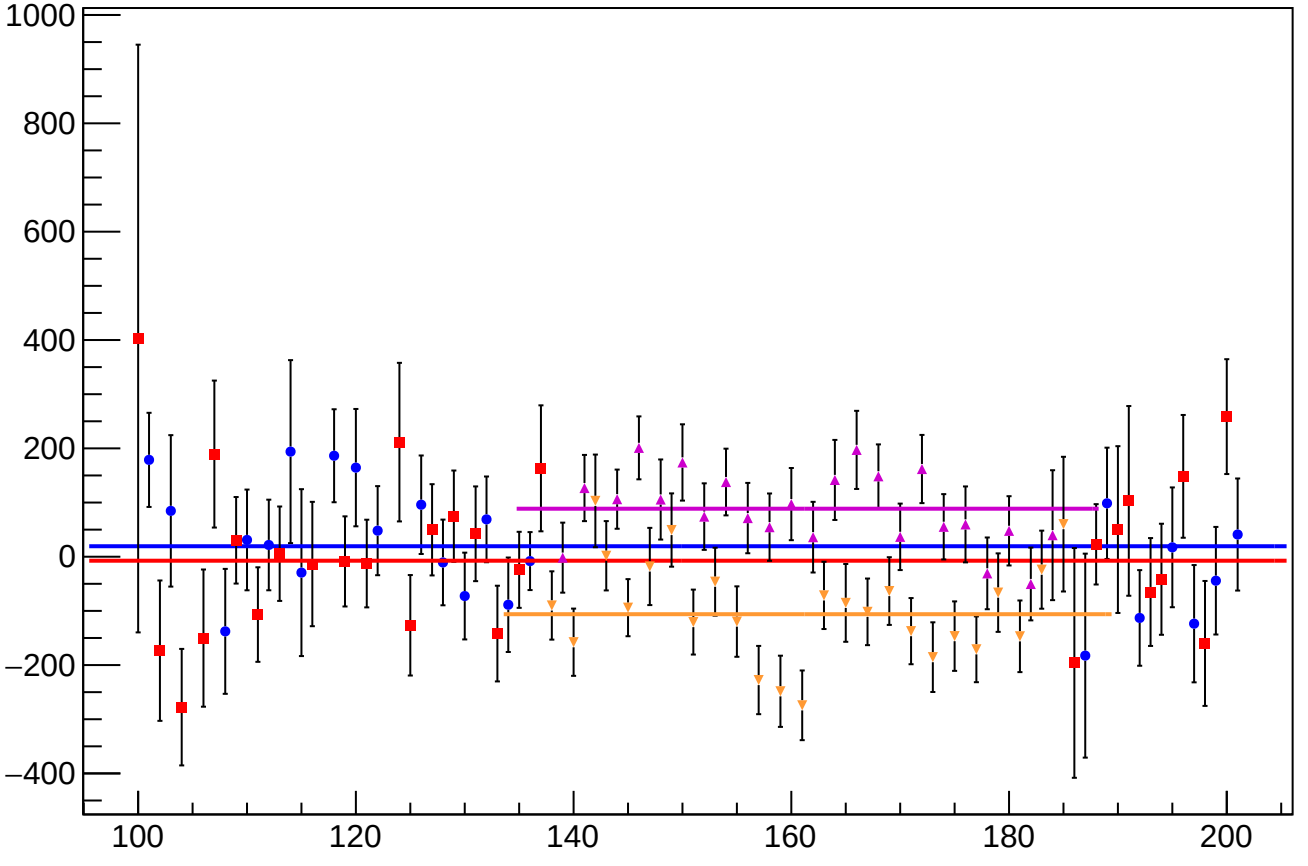
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 372.855+/-0.049 χ^2/NDF: 5498406.6/47

All: 376.187+/-0.035 χ^2/NDF: 12095914.6/98

- sign 379.679+/-0.050 χ^2/NDF: 6588090.0/50

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: -7.361+/-19.045 χ^2/NDF: 35.5/27

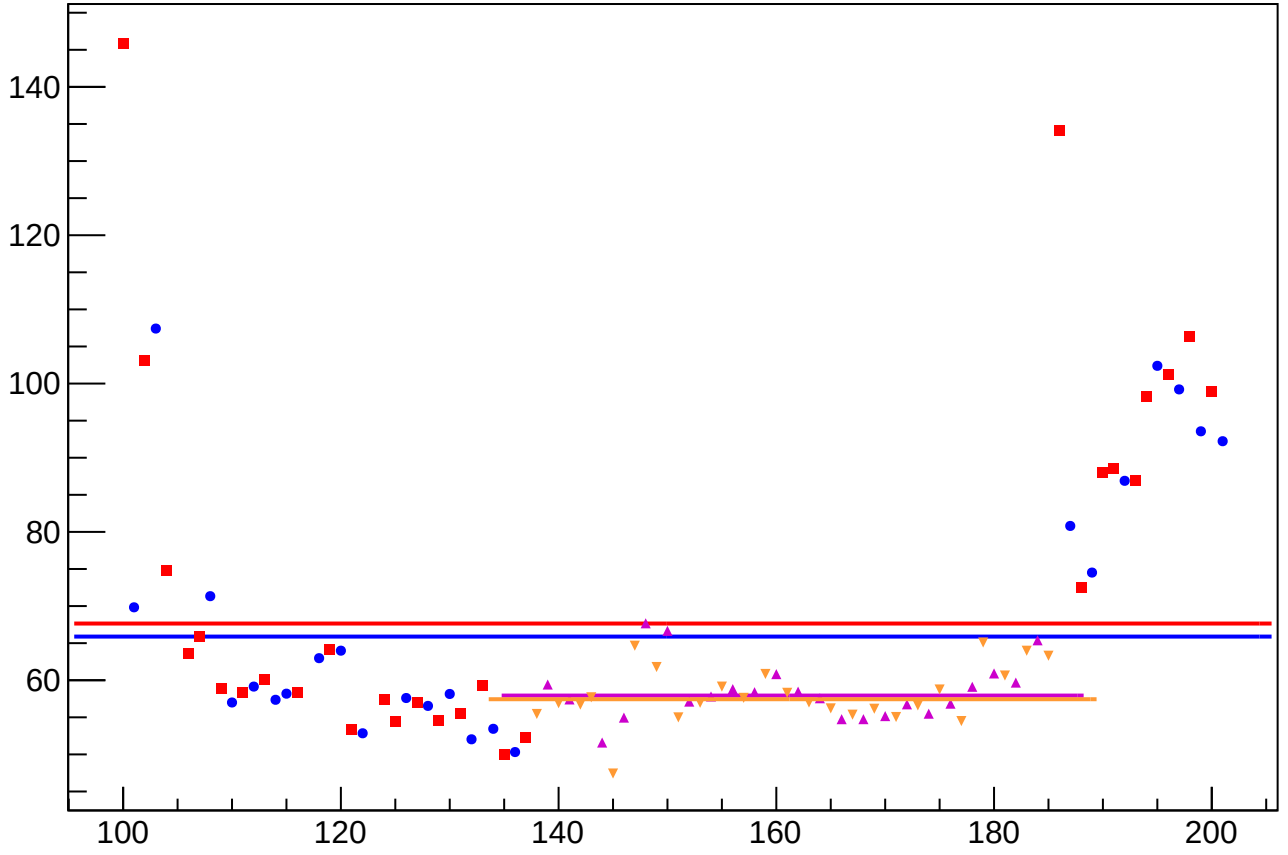
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -66.883+/-10.852 χ^2/NDF: 92.3/47

All: -6.396+/-7.742 χ^2/NDF: 231.8/98

- sign 56.314+/-11.050 χ^2/NDF: 76.2/50

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

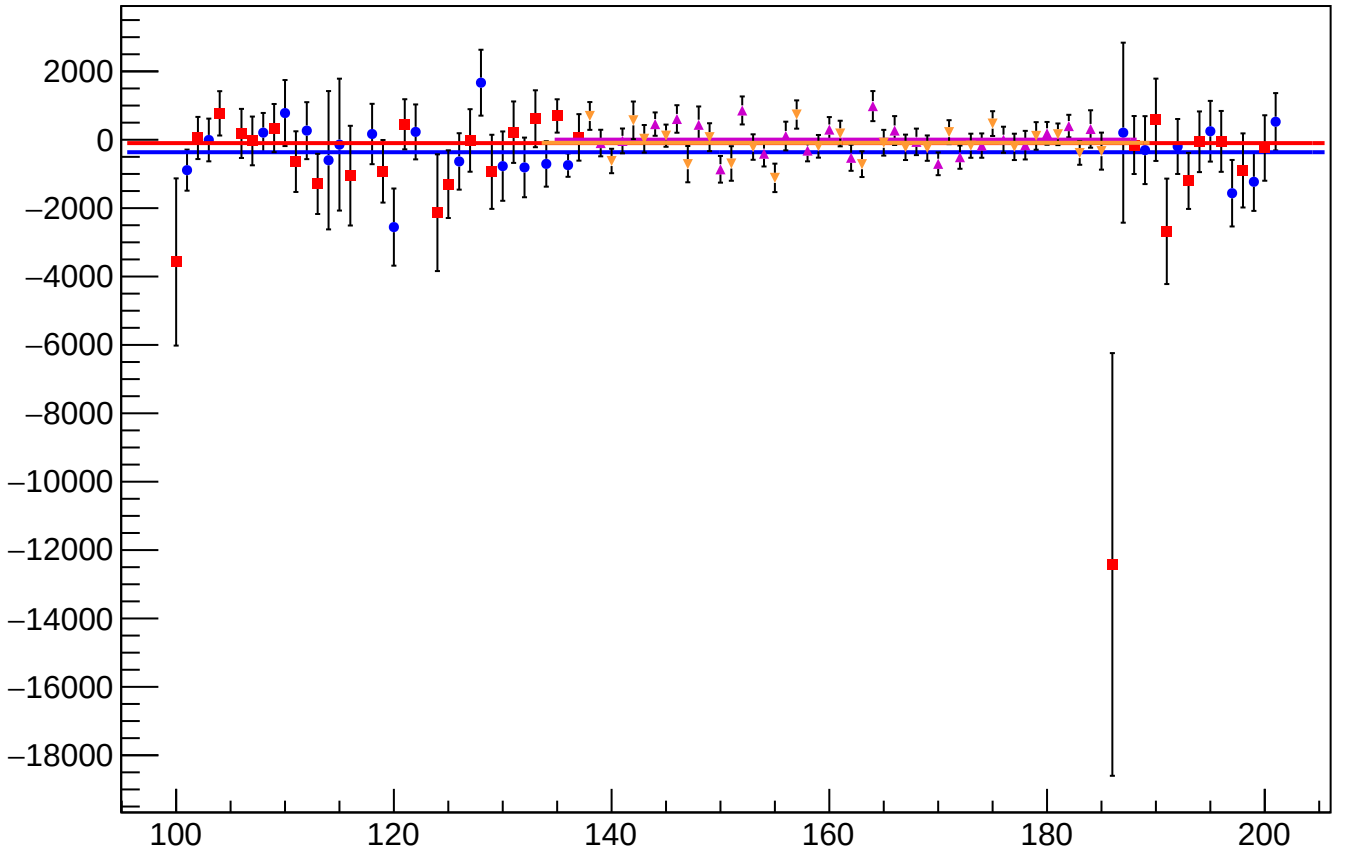
Right Out: 67.645+/-0.013 χ^2/NDF: 1789664.3/27

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.080+/-0.008 χ^2/NDF: 1881488.9/47

All: 60.631+/-0.005 χ^2/NDF: 4162596.2/98

- sign 61.202+/-0.008 χ^2/NDF: 2270621.3/50



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: -98.194+/-161.914 χ^2/NDF: 25.0/27

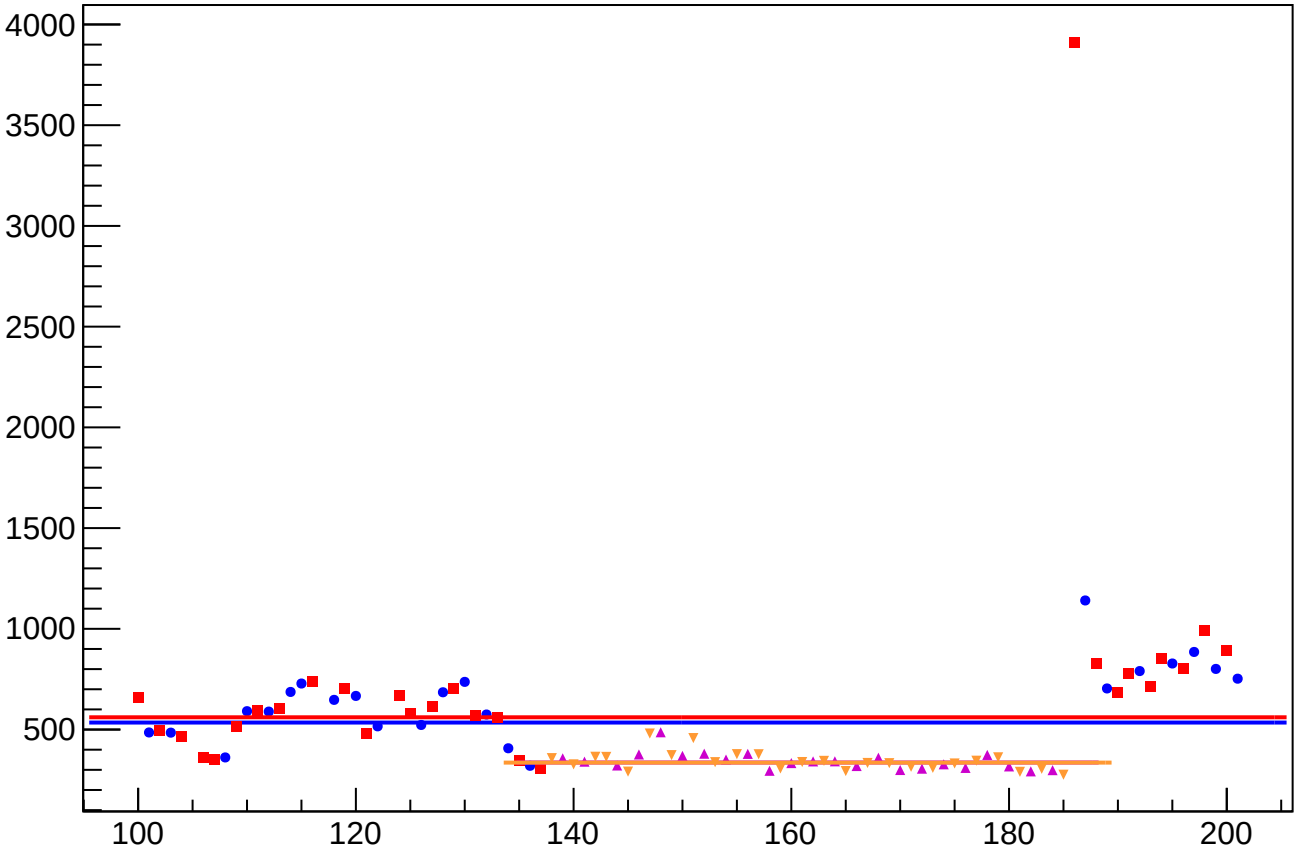
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -140.263+/-69.486 χ^2/NDF: 51.8/47

All: -79.835+/-49.709 χ^2/NDF: 112.2/98

- sign -16.497+/-71.140 χ^2/NDF: 58.9/50

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: 560.832+/-0.114 χ^2/NDF: 3071446.3/27

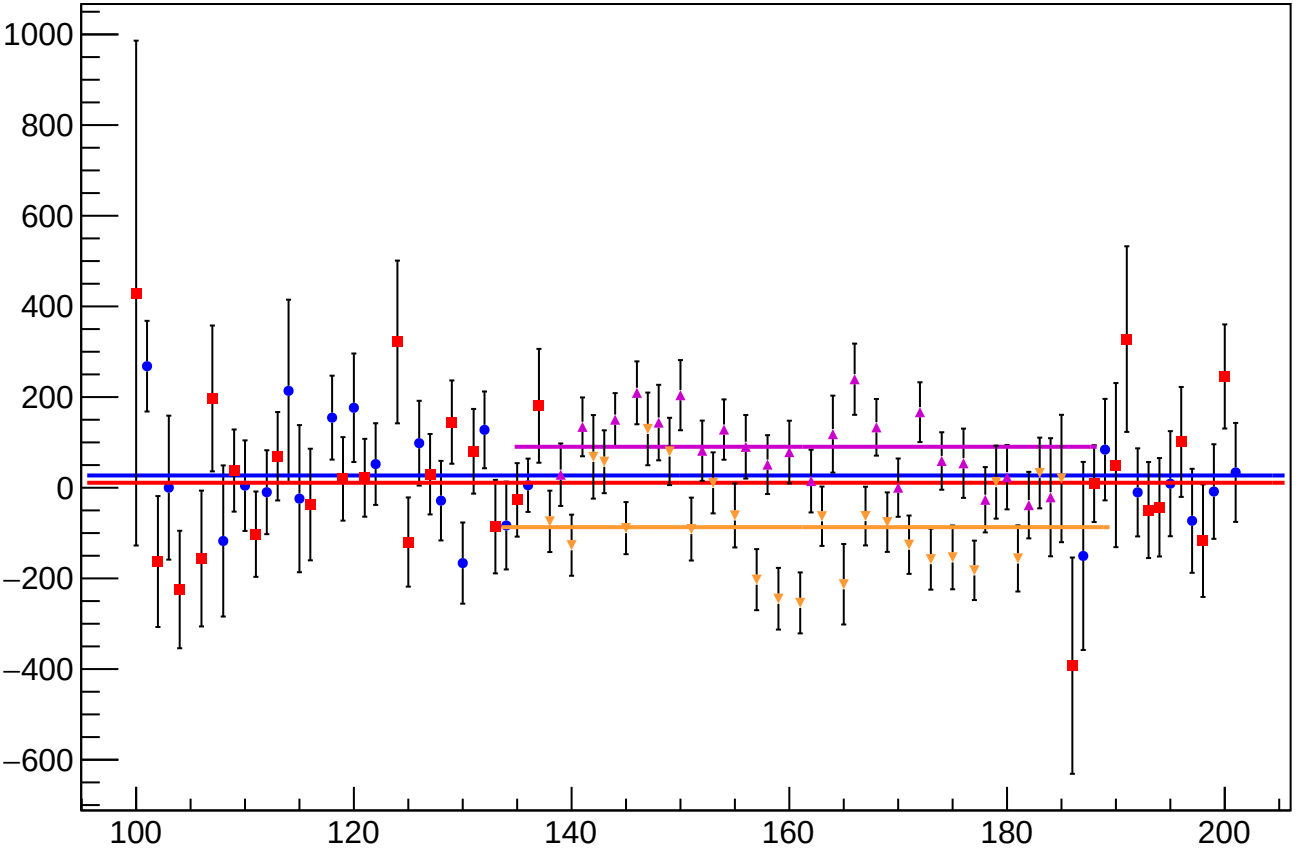
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 372.855+/-0.049 χ^2/NDF: 5498406.6/47

All: 376.187+/-0.035 χ^2/NDF: 12095914.6/98

- sign 379.679+/-0.050 χ^2/NDF: 6588090.0/50

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

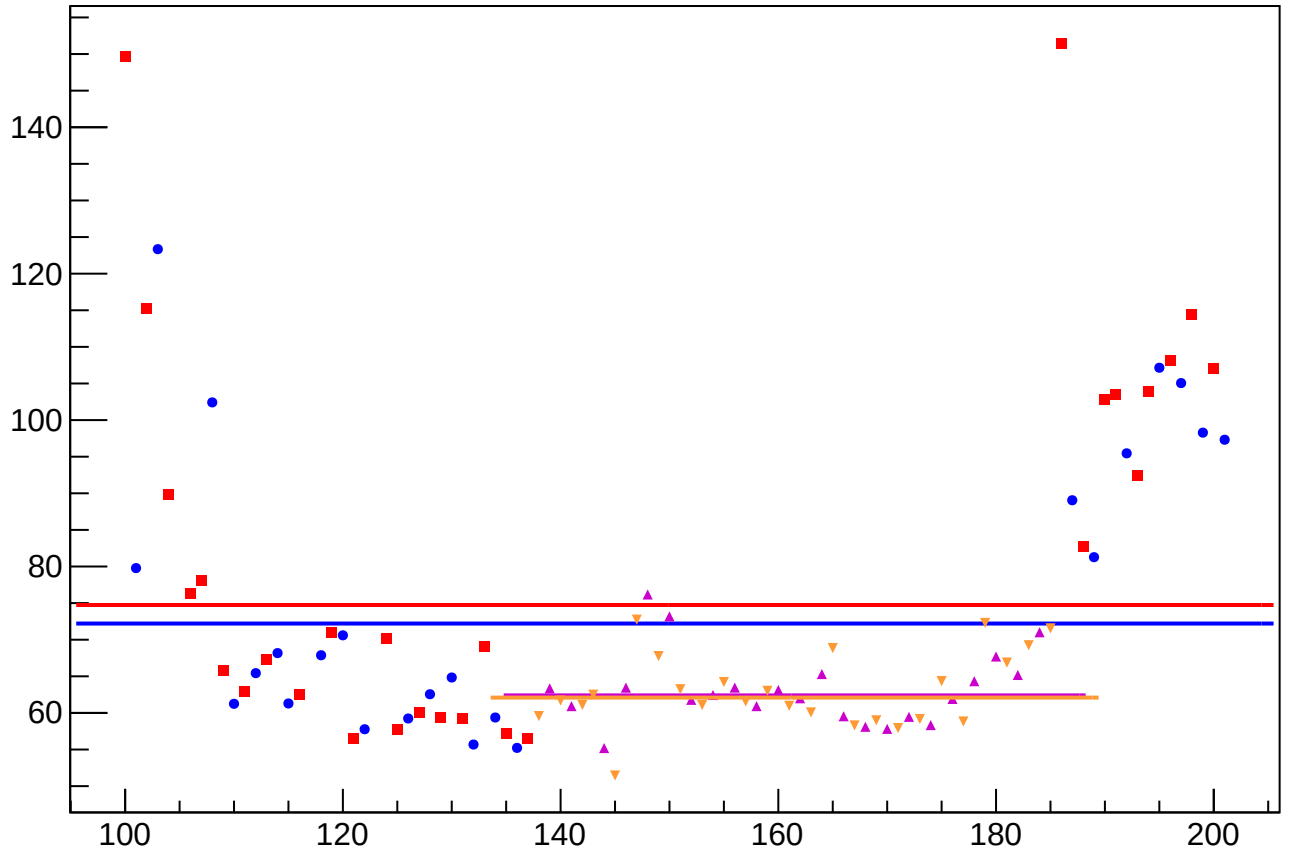
Right Out: 10.999+/-21.077 χ^2/NDF: 32.0/27

Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -51.947+/-11.800 χ^2/NDF: 90.5/47

All: 5.133+/-8.425 χ^2/NDF: 204.9/98

- sign 64.494+/-12.033 χ^2/NDF: 66.6/50



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: 74.743+/-0.015 χ^2/NDF: 1795685.7/27

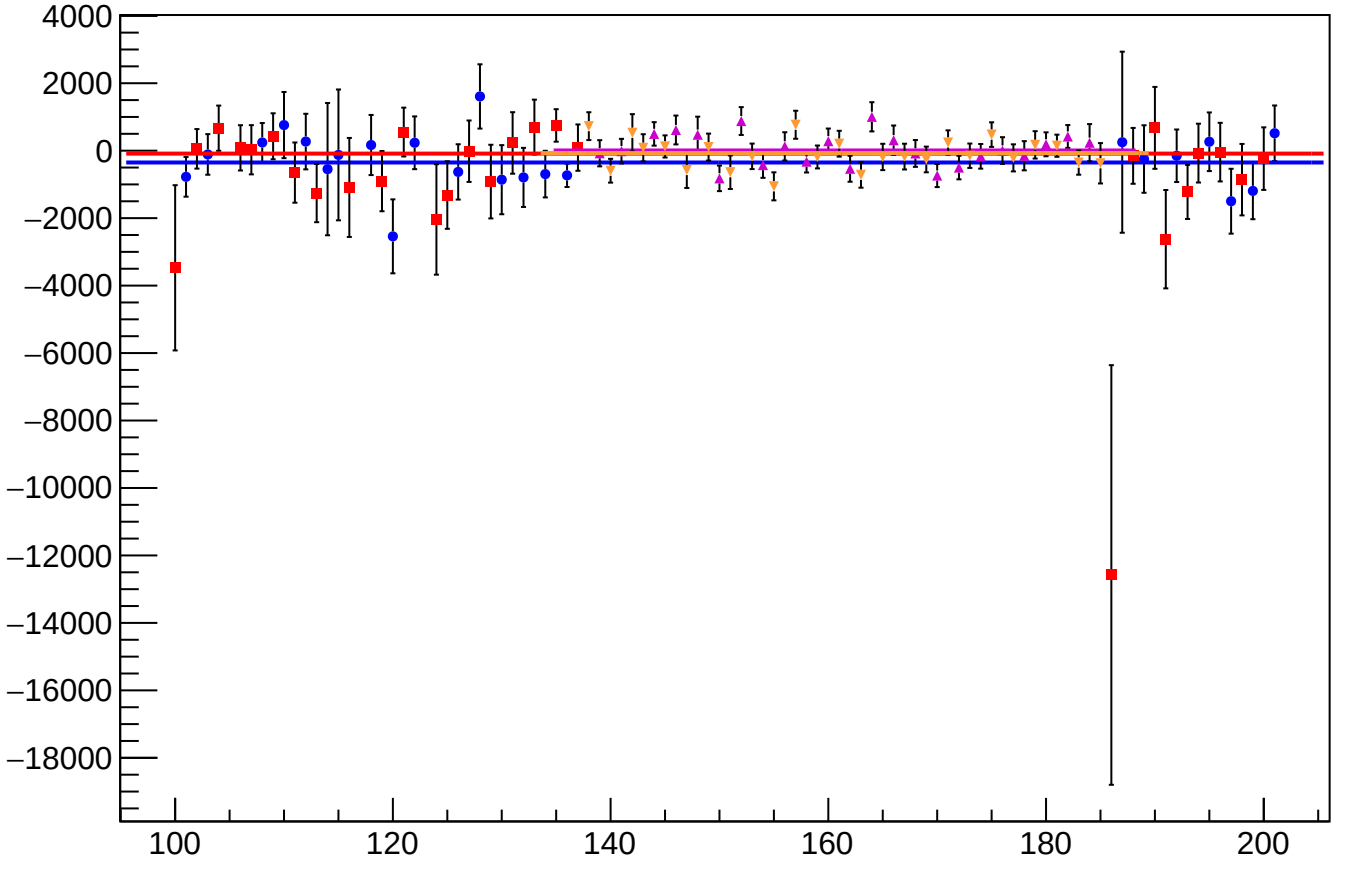
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 65.199+/-0.008 χ^2/NDF: 2003651.8/47

All: 65.797+/-0.006 χ^2/NDF: 4461320.1/98

- sign 66.420+/-0.009 χ^2/NDF: 2447175.4/50

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: -86.504+/-159.682 χ^2/NDF: 25.9/27

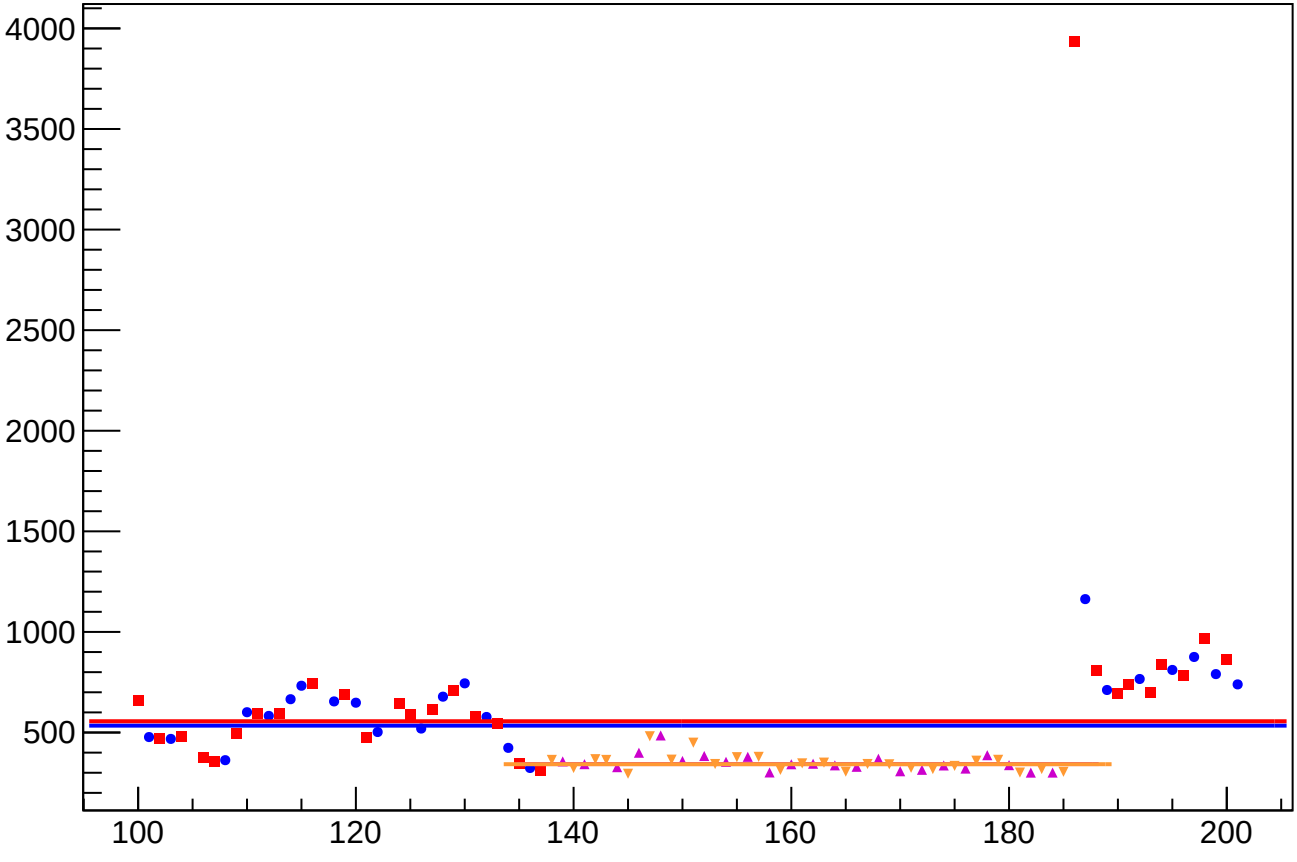
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -125.036+/-70.442 χ^2/NDF: 50.0/47

All: -70.166+/-50.375 χ^2/NDF: 111.4/98

- sign -12.735+/-72.067 χ^2/NDF: 60.1/50

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: 556.012+/-0.113 χ^2/NDF: 2957435.3/27

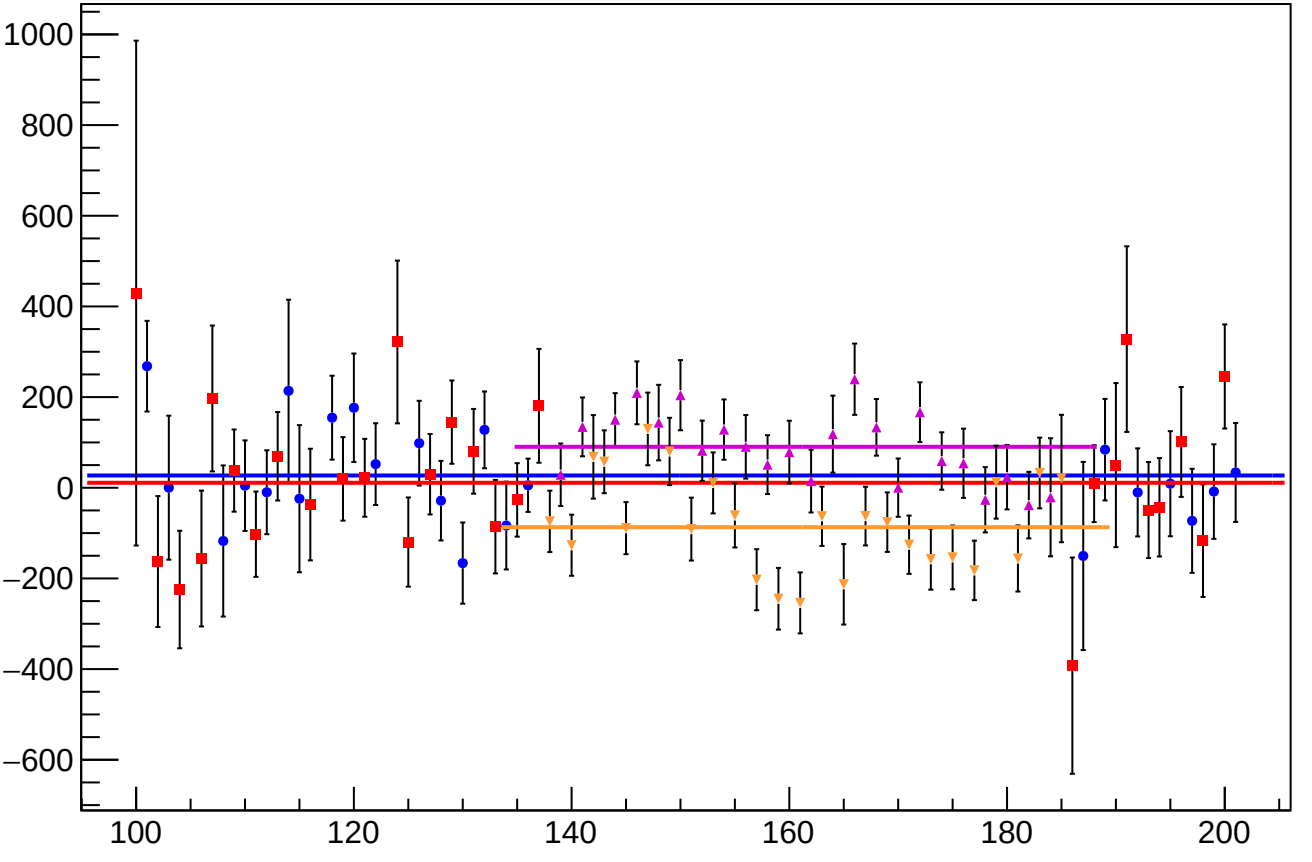
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 379.454+/-0.050 χ^2/NDF: 5112927.3/47

All: 382.937+/-0.036 χ^2/NDF: 11280931.7/98

- sign 386.583+/-0.051 χ^2/NDF: 6157996.4/50

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: 10.999+/-21.077 χ^2/NDF: 32.0/27

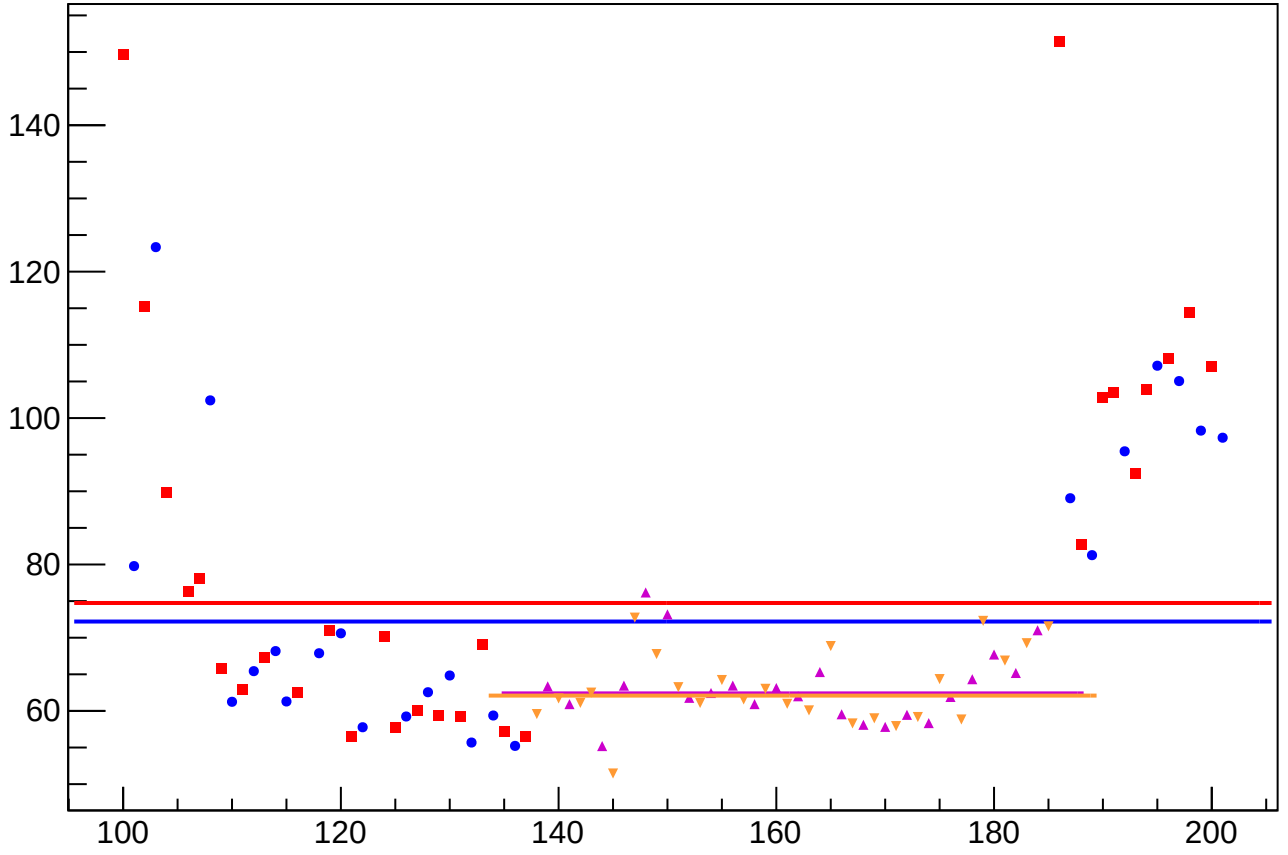
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -51.947+/-11.800 χ^2/NDF: 90.5/47

All: 5.134+/-8.425 χ^2/NDF: 204.9/98

- sign 64.494+/-12.033 χ^2/NDF: 66.6/50

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

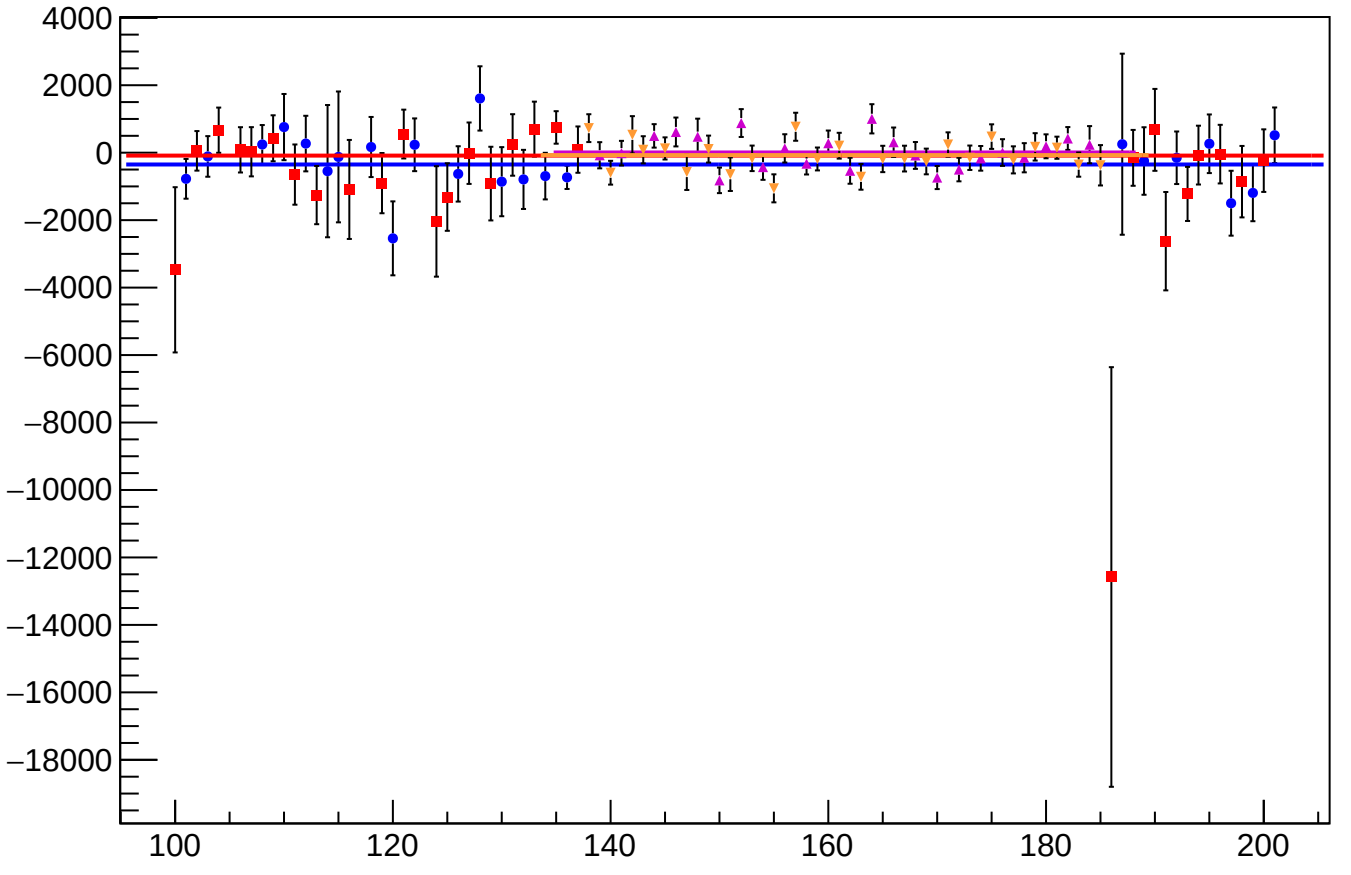
Right Out: 74.743+/-0.015 χ^2/NDF: 1795687.0/27

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 65.199+/-0.008 χ^2/NDF: 2003673.0/47

All: 65.797+/-0.006 χ^2/NDF: 4461338.9/98

- sign 66.420+/-0.009 χ^2/NDF: 2447172.6/50



Right In: -350.058+/-160.468 χ^2/NDF: 19.0/22

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

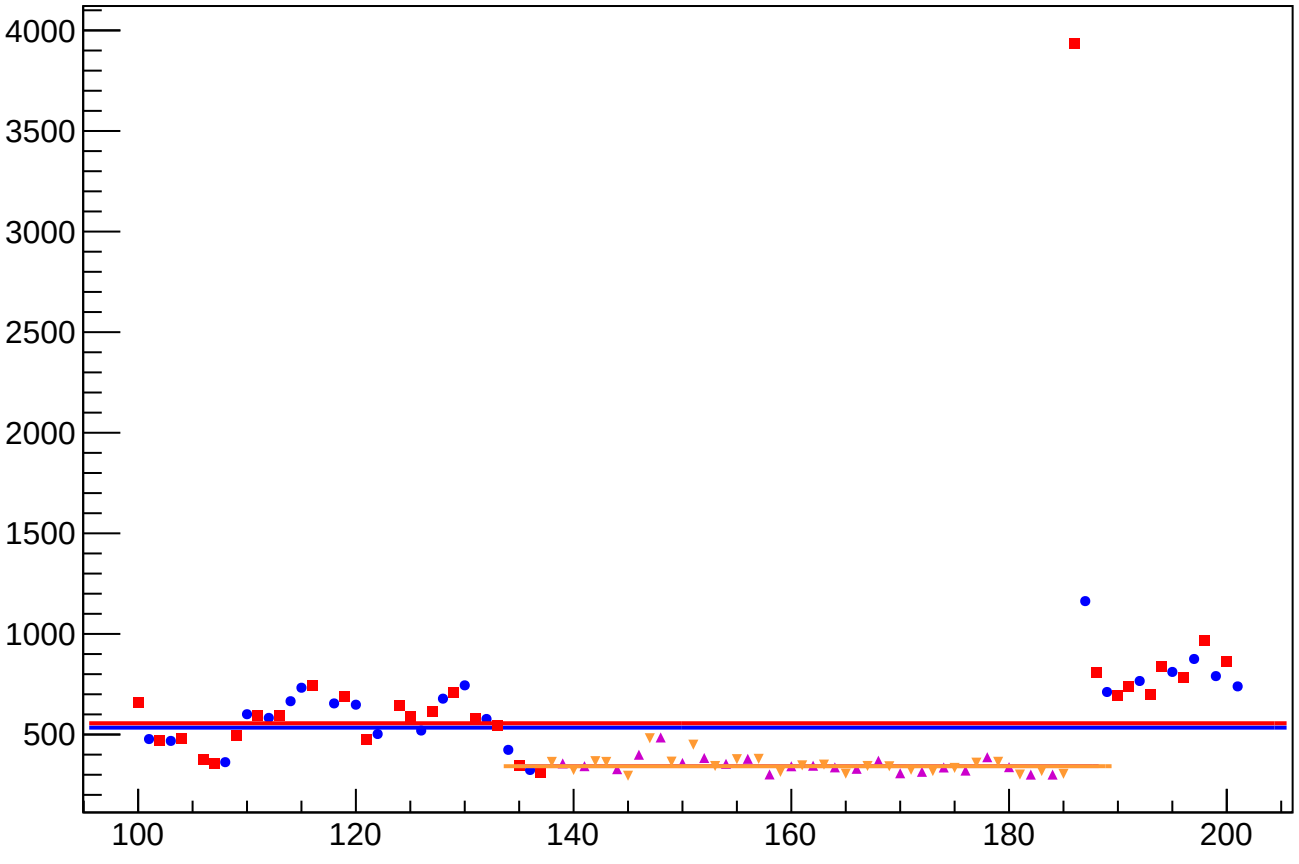
Right Out: -86.504+/-159.682 χ^2/NDF: 25.9/27

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -125.036+/-70.442 χ^2/NDF: 50.0/47

All: -70.166+/-50.375 χ^2/NDF: 111.4/98

- sign -12.735+/-72.067 χ^2/NDF: 60.1/50



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: 556.012+/-0.113 χ^2/NDF: 2957441.4/27

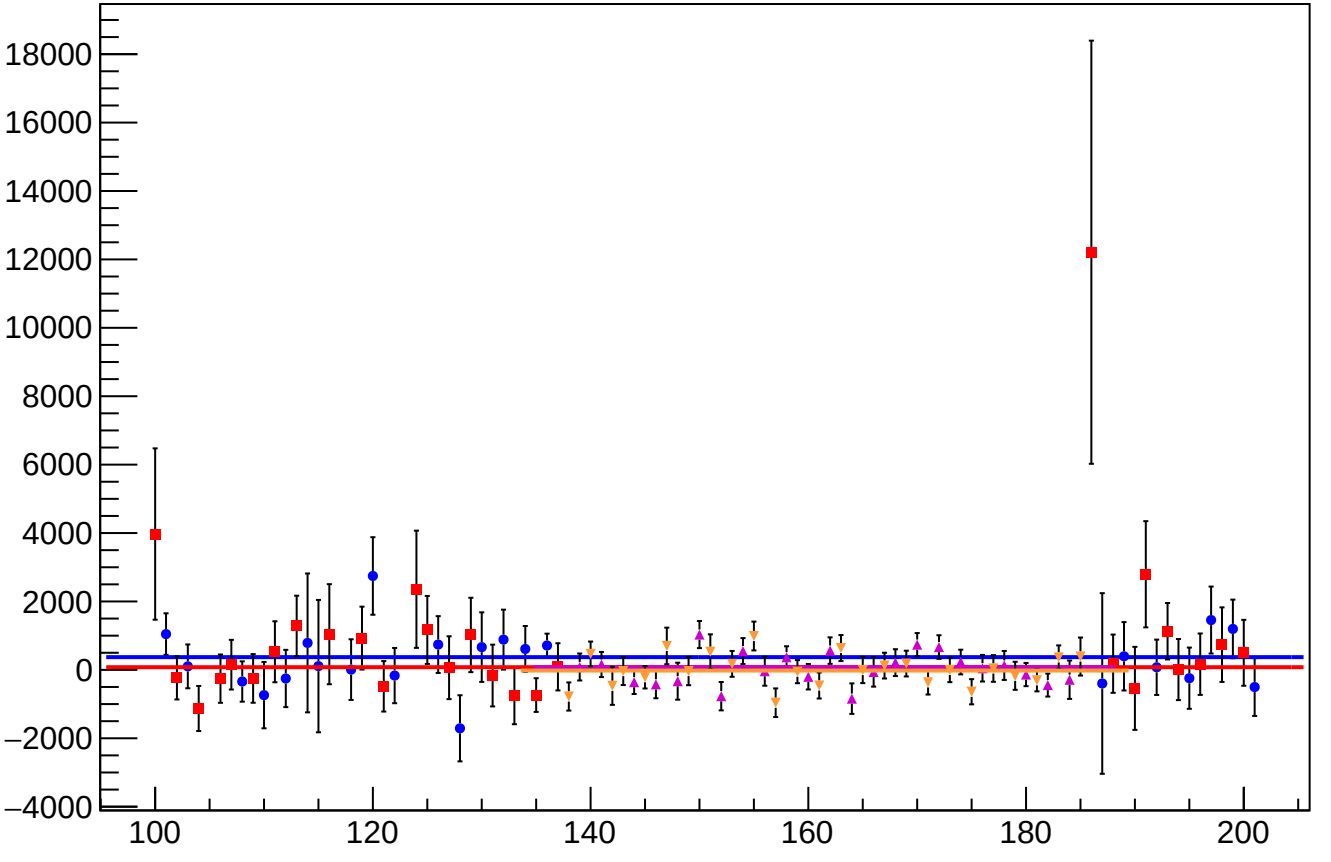
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 379.454+/-0.050 χ^2/NDF: 5112922.1/47

All: 382.937+/-0.036 χ^2/NDF: 11280915.8/98

- sign 386.583+/-0.051 χ^2/NDF: 6157985.4/50

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: 78.016+/-163.260 χ^2/NDF: 27.3/27

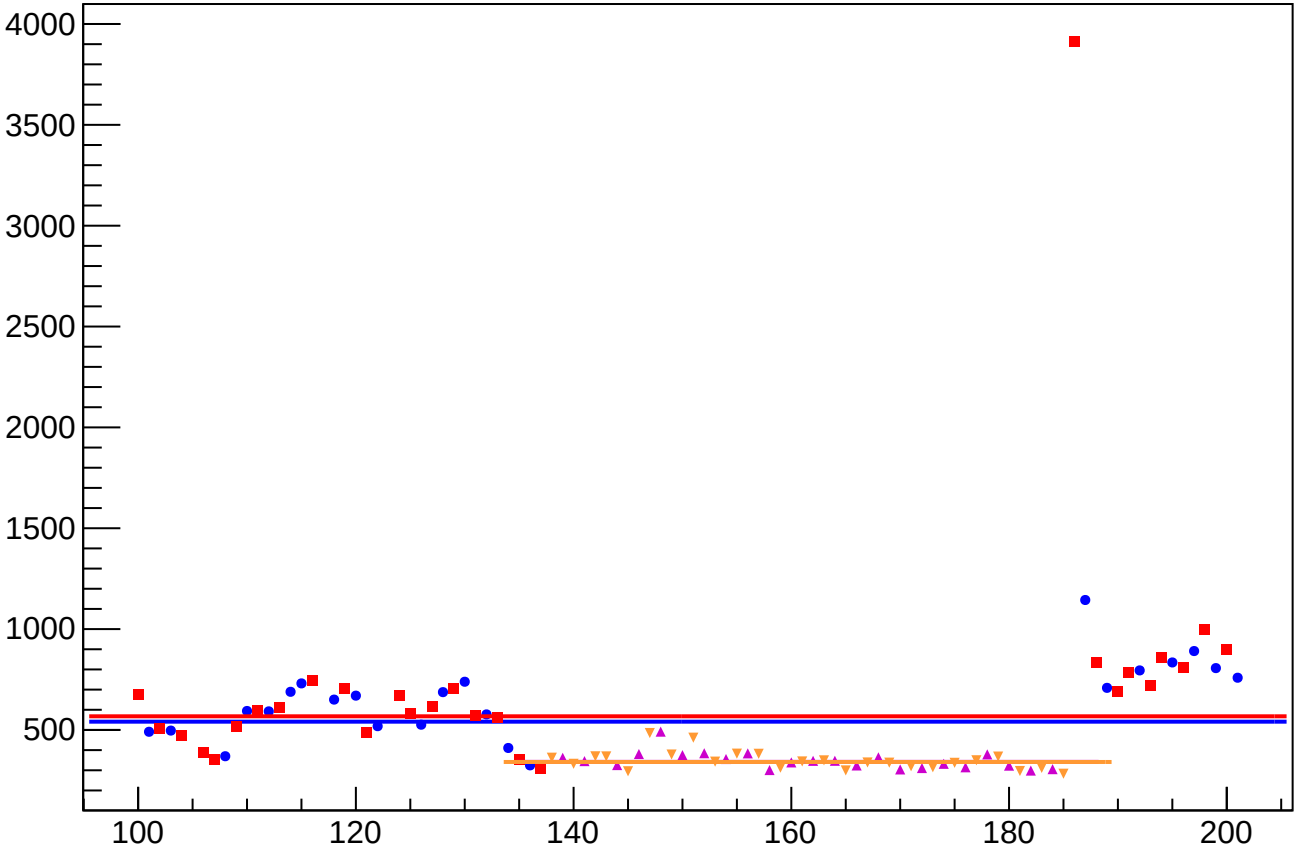
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 53.218+/-70.492 χ^2/NDF: 56.2/47

All: 65.608+/-50.416 χ^2/NDF: 116.5/98

- sign 78.582+/-72.135 χ^2/NDF: 60.3/50

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

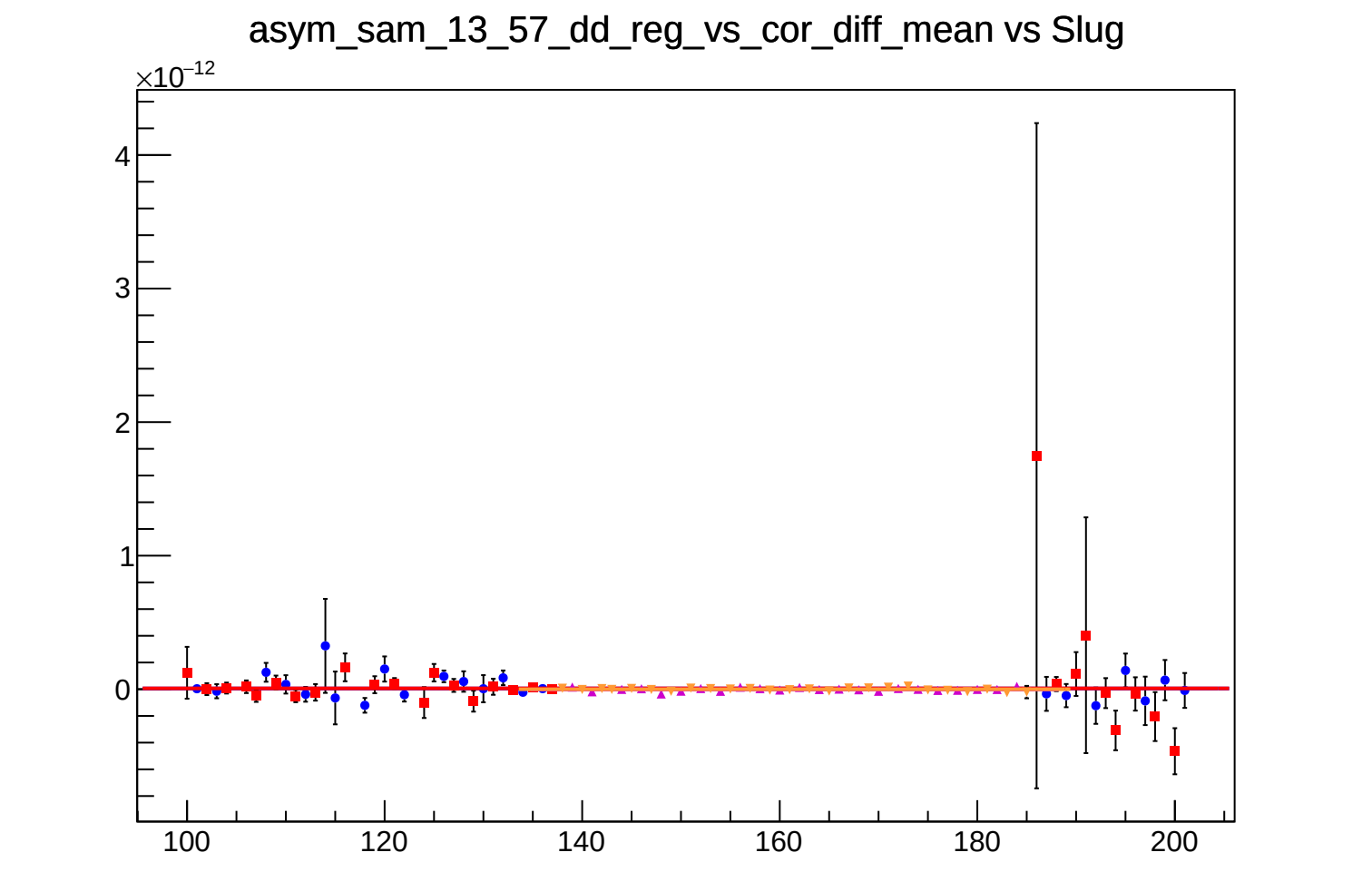
Right Out: 567.626+/-0.115 χ^2/NDF: 2995252.4/27

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 378.637+/-0.050 χ^2/NDF: 5390665.7/47

All: 382.109+/-0.036 χ^2/NDF: 11877163.3/98

- sign 385.744+/-0.051 χ^2/NDF: 6476567.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

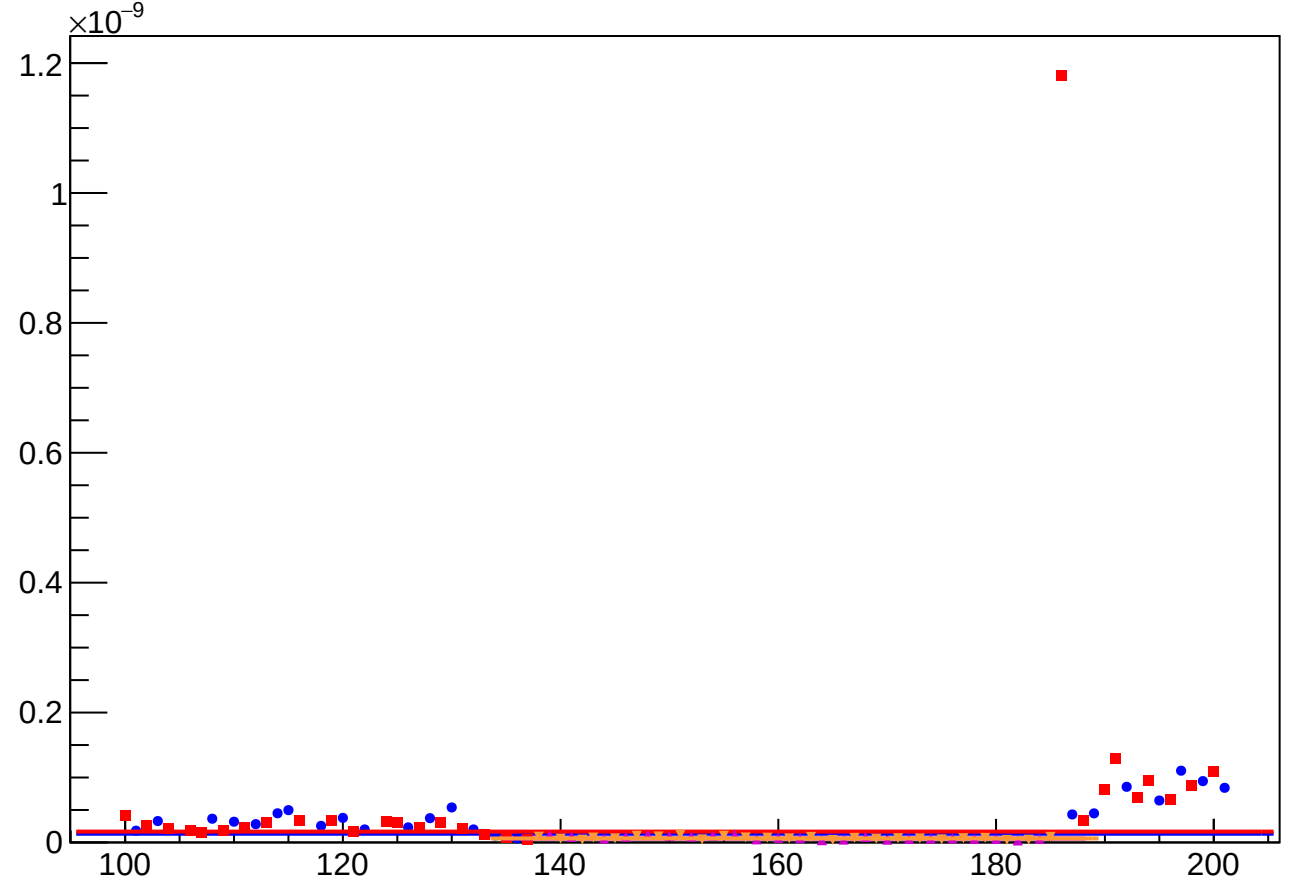
Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/27

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: 88.2/98

- sign -0.000+/-0.000 χ^2/NDF: 44.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 5920647.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

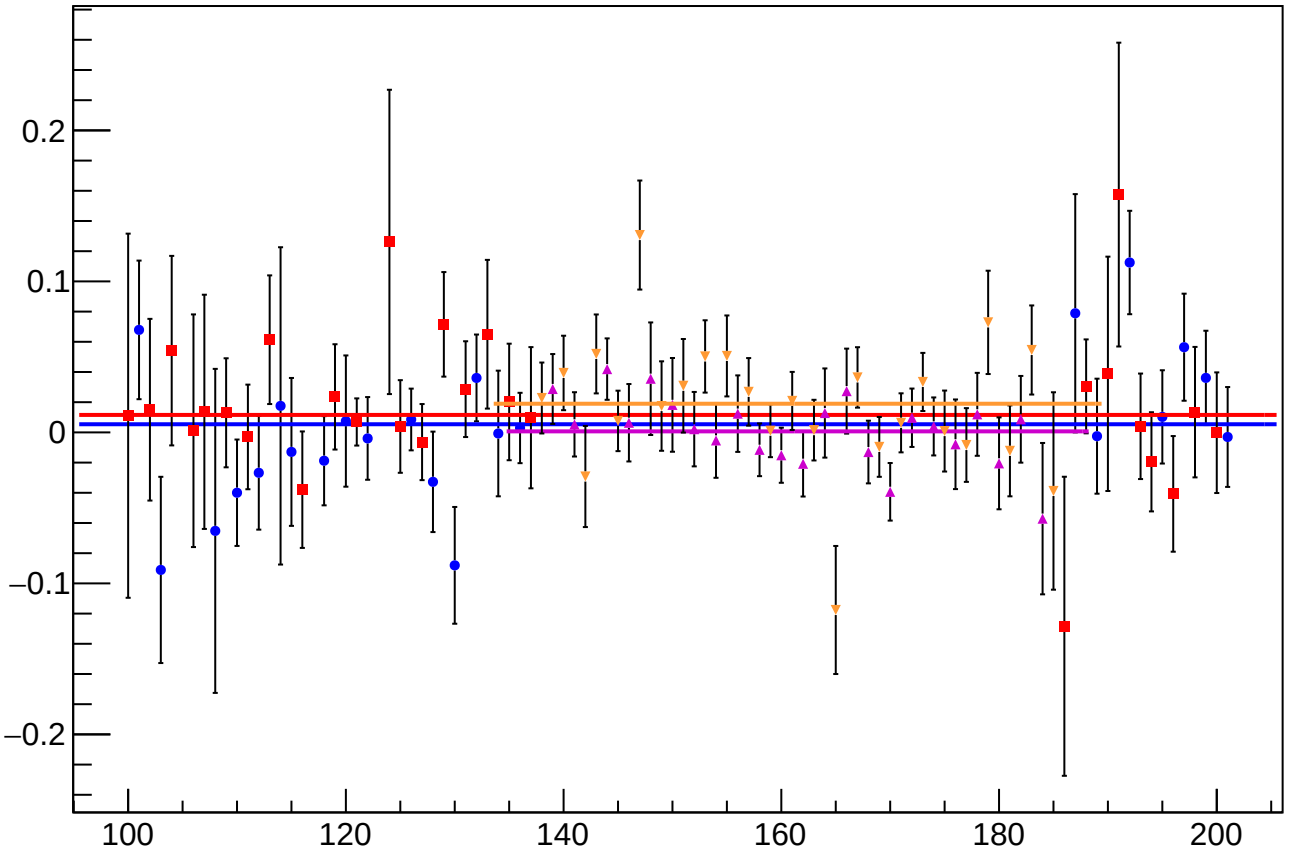
Right Out: 0.000+/-0.000 χ^2/NDF: 5070879.4/27

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: 17915082.9/98

- sign 0.000+/-0.000 χ^2/NDF: 9329103.6/50



Right In: 0.005+/-0.007 χ^2/NDF: 30.2/22

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

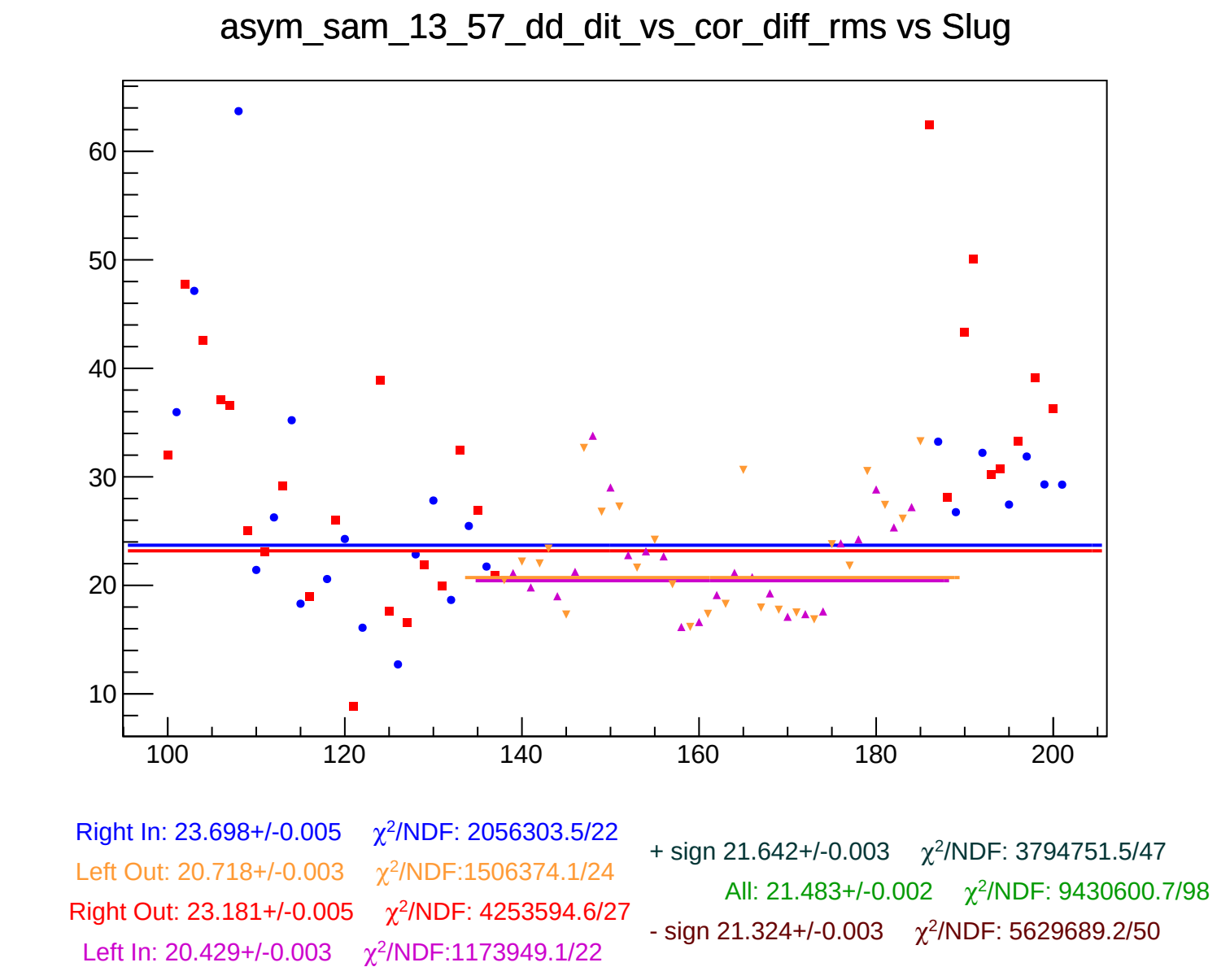
Right Out: 0.012+/-0.007 χ^2/NDF: 17.8/27

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

\+ sign 0.015+/-0.004 χ^2/NDF: 73.8/47

All: 0.010+/-0.003 χ^2/NDF: 114.2/98

\- sign 0.004+/-0.004 χ^2/NDF: 37.0/50


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug
60
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140
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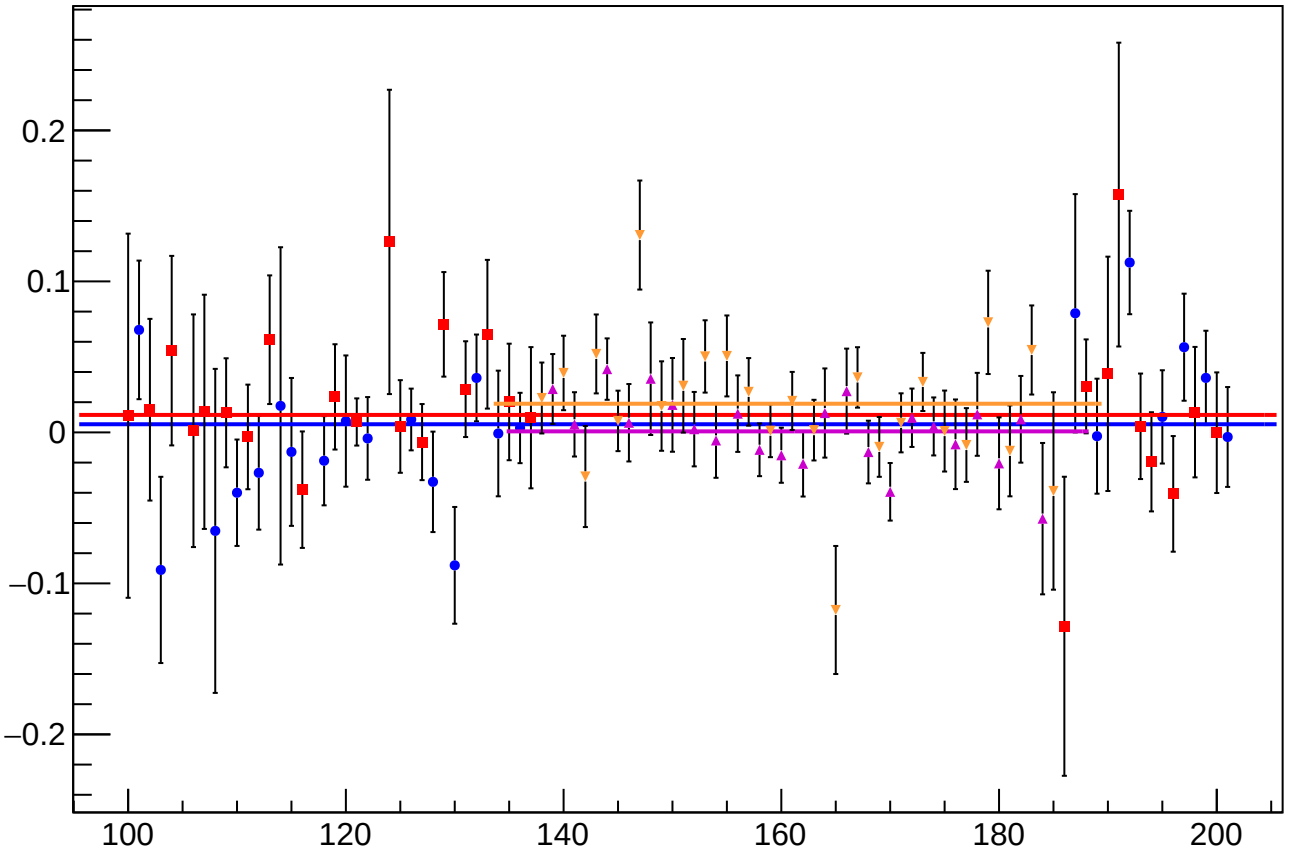
180
200
Right In: 23.698+/-0.005 χ²/NDF: 2056303.5/22
Left Out: 20.718+/-0.003 χ²/NDF:1506374.1/24
Right Out: 23.181+/-0.005 χ²/NDF: 4253594.6/27
Left In: 20.429+/-0.003 χ²/NDF:1173949.1/22
+ sign 21.642+/-0.003 χ²/NDF: 3794751.5/47
All: 21.483+/-0.002 χ²/NDF: 9430600.7/98
- sign 21.324+/-0.003 χ²/NDF: 5629689.2/50



Right In: 0.005+/-0.007 χ^2/NDF: 30.2/22

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

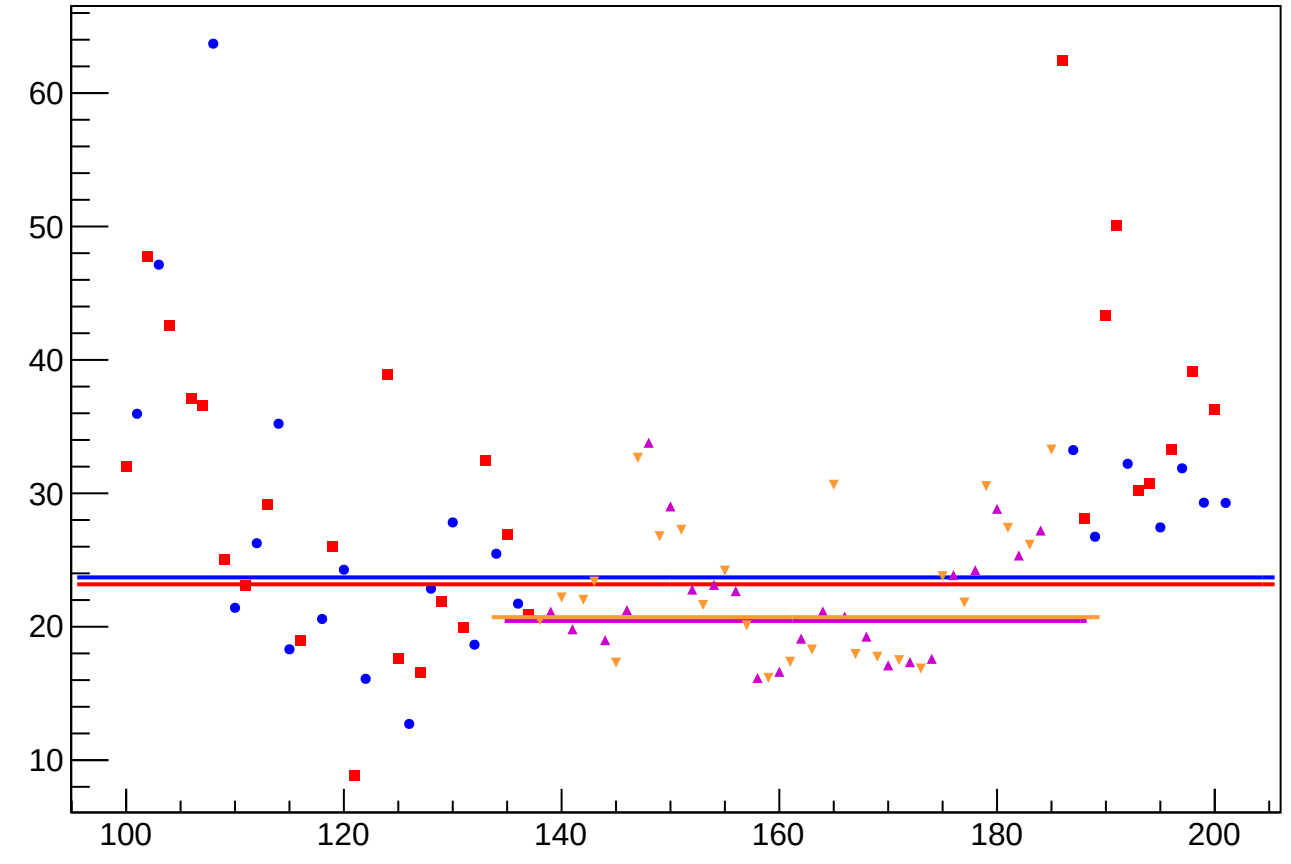
Right Out: 0.012+/-0.007 χ^2/NDF: 17.8/27

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.8/47

All: 0.010+/-0.003 χ^2/NDF: 114.2/98

- sign 0.004+/-0.004 χ^2/NDF: 37.0/50



Right In: 23.698+/-0.005 χ^2/NDF: 2056303.5/22

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

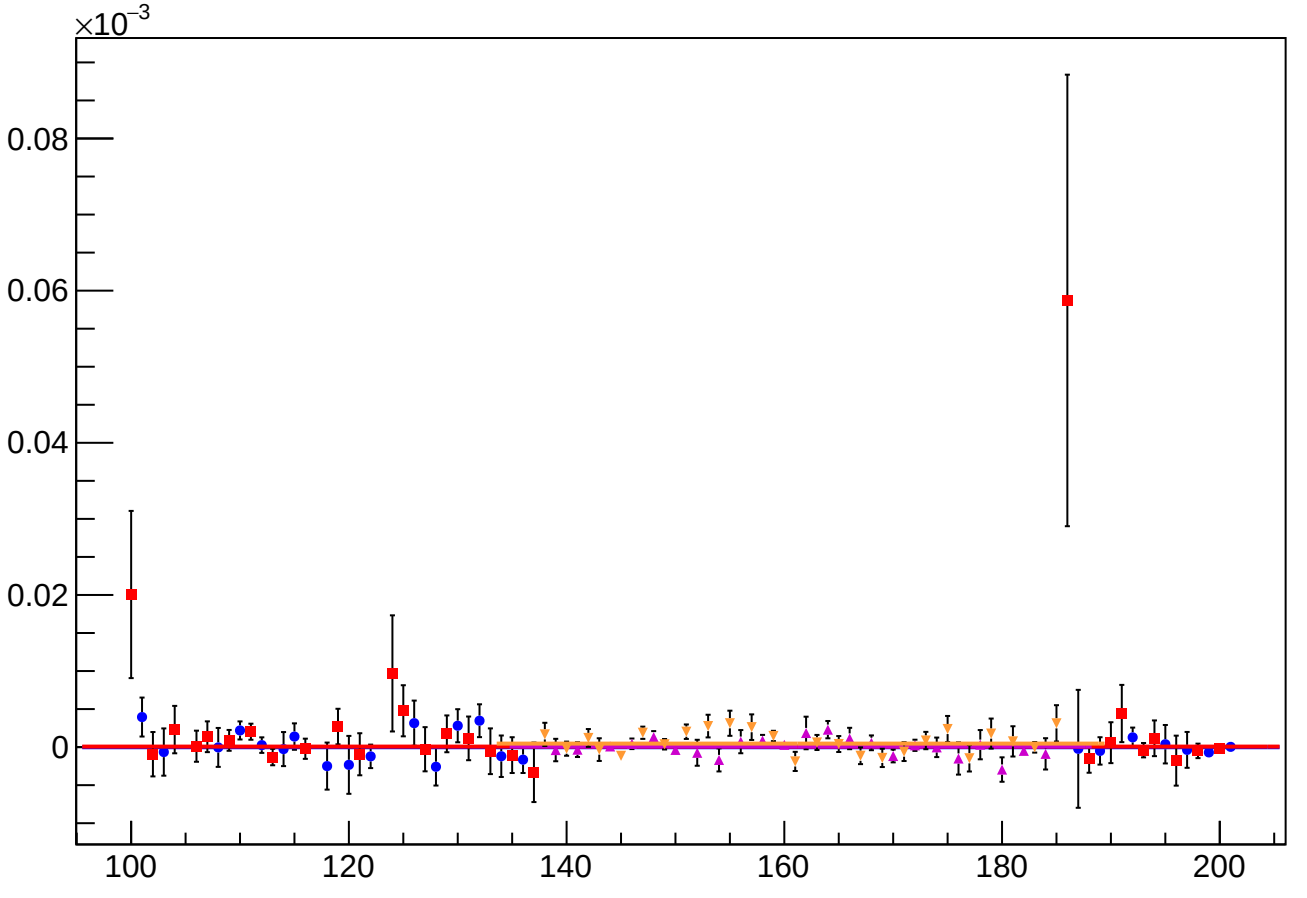
Right Out: 23.181+/-0.005 χ^2/NDF: 4253594.6/27

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.642+/-0.003 χ^2/NDF: 3794751.5/47

All: 21.483+/-0.002 χ^2/NDF: 9430600.7/98

- sign 21.324+/-0.003 χ^2/NDF: 5629689.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

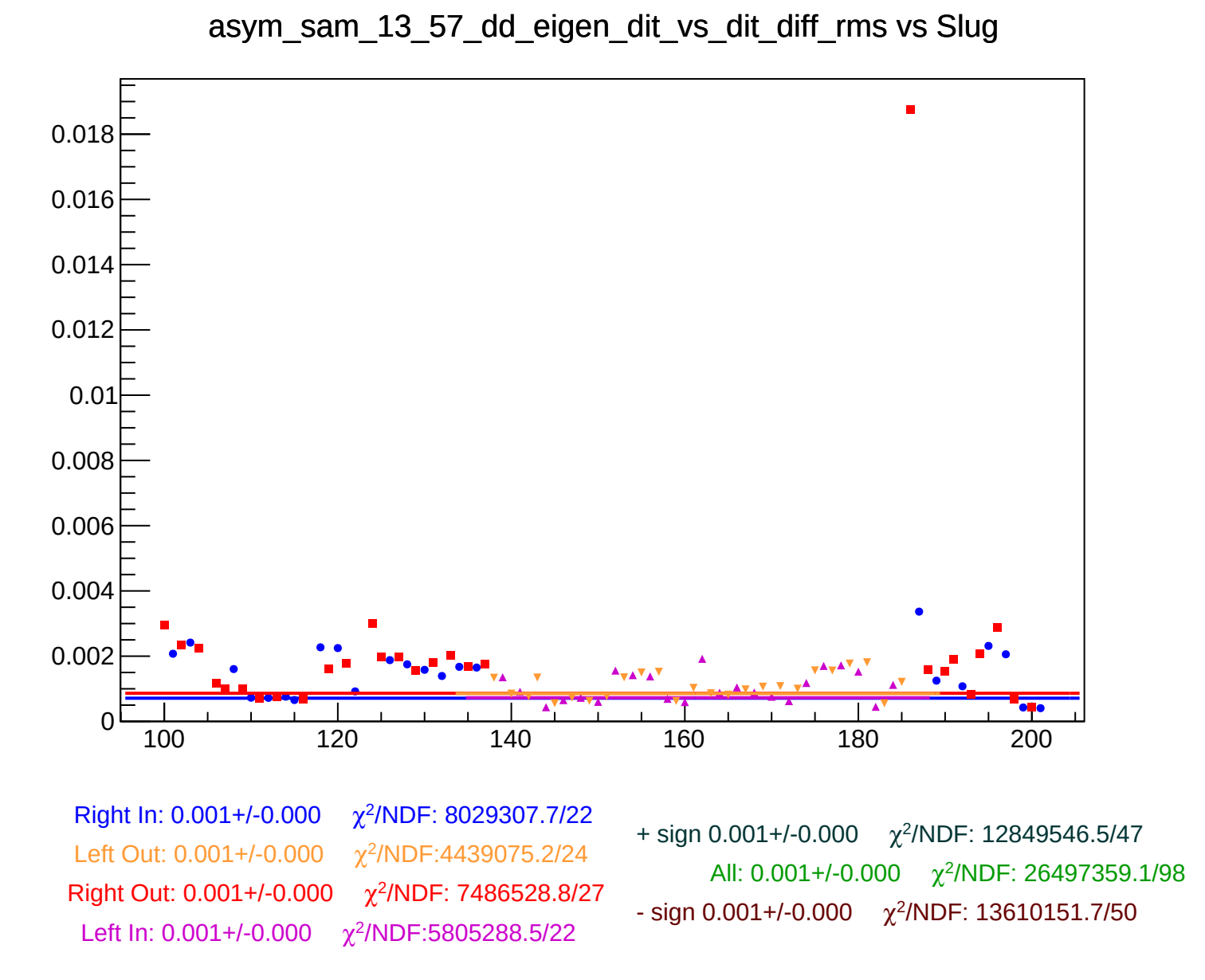
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/27

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: 102.2/98

- sign 0.000+/-0.000 χ^2/NDF: 43.4/50


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
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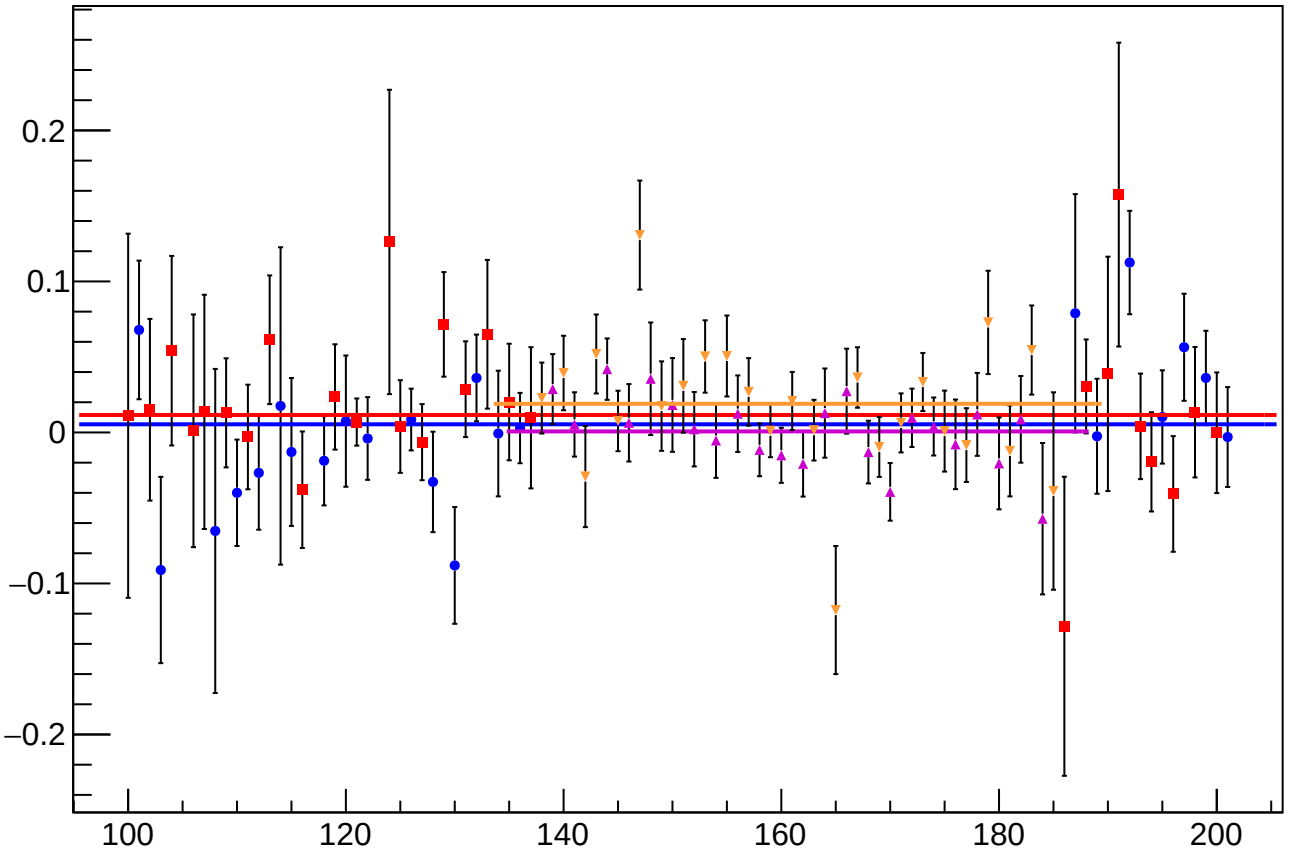
Right In: 0.001+/-0.000 χ²/NDF: 8029307.7/22
Left Out: 0.001+/-0.000 χ²/NDF:4439075.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 7486528.8/27
Left In: 0.001+/-0.000 χ²/NDF:5805288.5/22
+ sign 0.001+/-0.000 χ²/NDF: 12849546.5/47
All: 0.001+/-0.000 χ²/NDF: 26497359.1/98
- sign 0.001+/-0.000 χ²/NDF: 13610151.7/50



Right In: 0.005+/-0.007 χ^2/NDF: 30.2/22

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

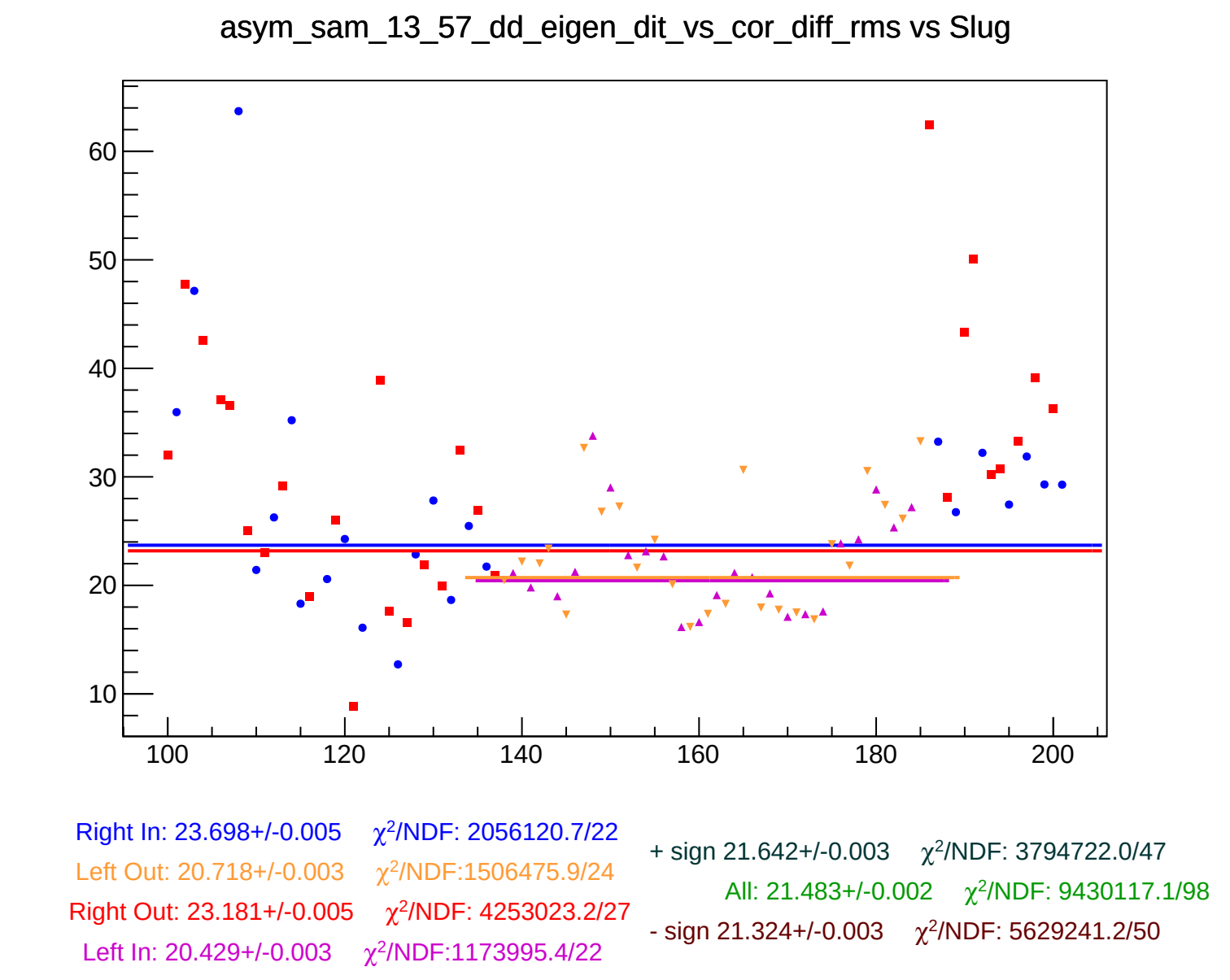
Right Out: 0.012+/-0.007 χ^2/NDF: 17.8/27

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.8/47

All: 0.010+/-0.003 χ^2/NDF: 114.2/98

- sign 0.004+/-0.004 χ^2/NDF: 37.0/50


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug
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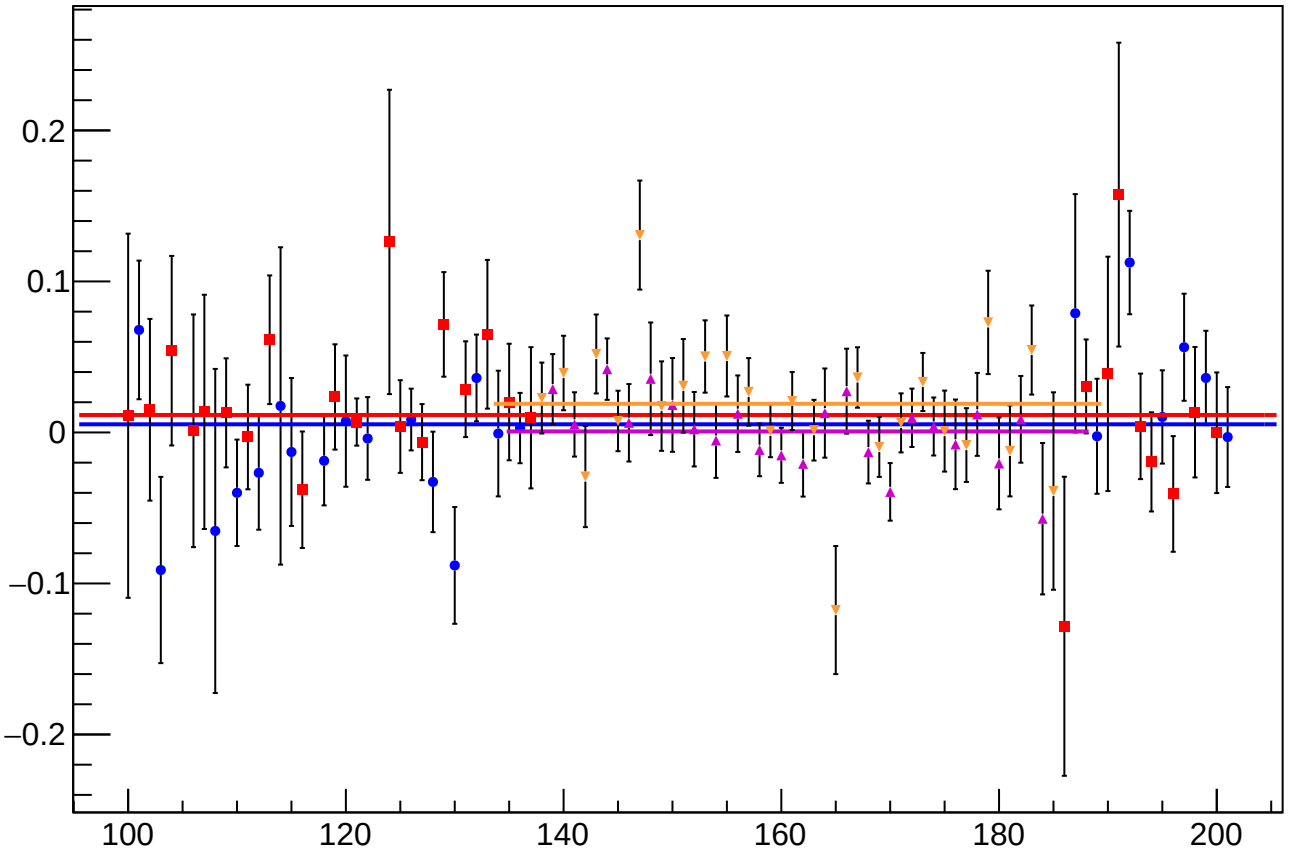
Right In: 23.698+/-0.005 χ²/NDF: 2056120.7/22
Left Out: 20.718+/-0.003 χ²/NDF:1506475.9/24
Right Out: 23.181+/-0.005 χ²/NDF: 4253023.2/27
Left In: 20.429+/-0.003 χ²/NDF:1173995.4/22
+ sign 21.642+/-0.003 χ²/NDF: 3794722.0/47
All: 21.483+/-0.002 χ²/NDF: 9430117.1/98
- sign 21.324+/-0.003 χ²/NDF: 5629241.2/50



Right In: 0.005+/-0.007 χ^2/NDF: 30.2/22

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

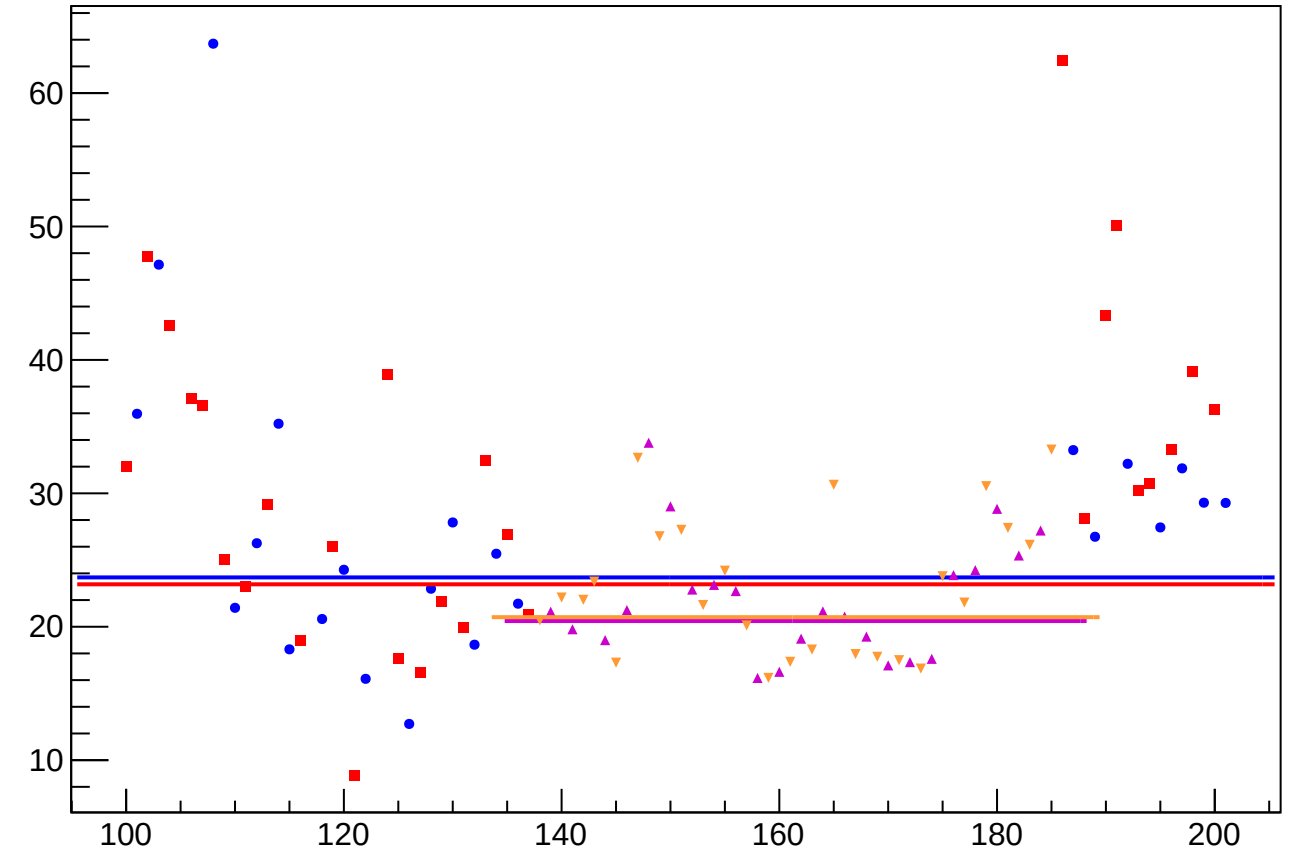
Right Out: 0.012+/-0.007 χ^2/NDF: 17.8/27

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.8/47

All: 0.010+/-0.003 χ^2/NDF: 114.2/98

- sign 0.004+/-0.004 χ^2/NDF: 37.0/50



Right In: 23.698+/-0.005 χ^2/NDF: 2056120.7/22

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

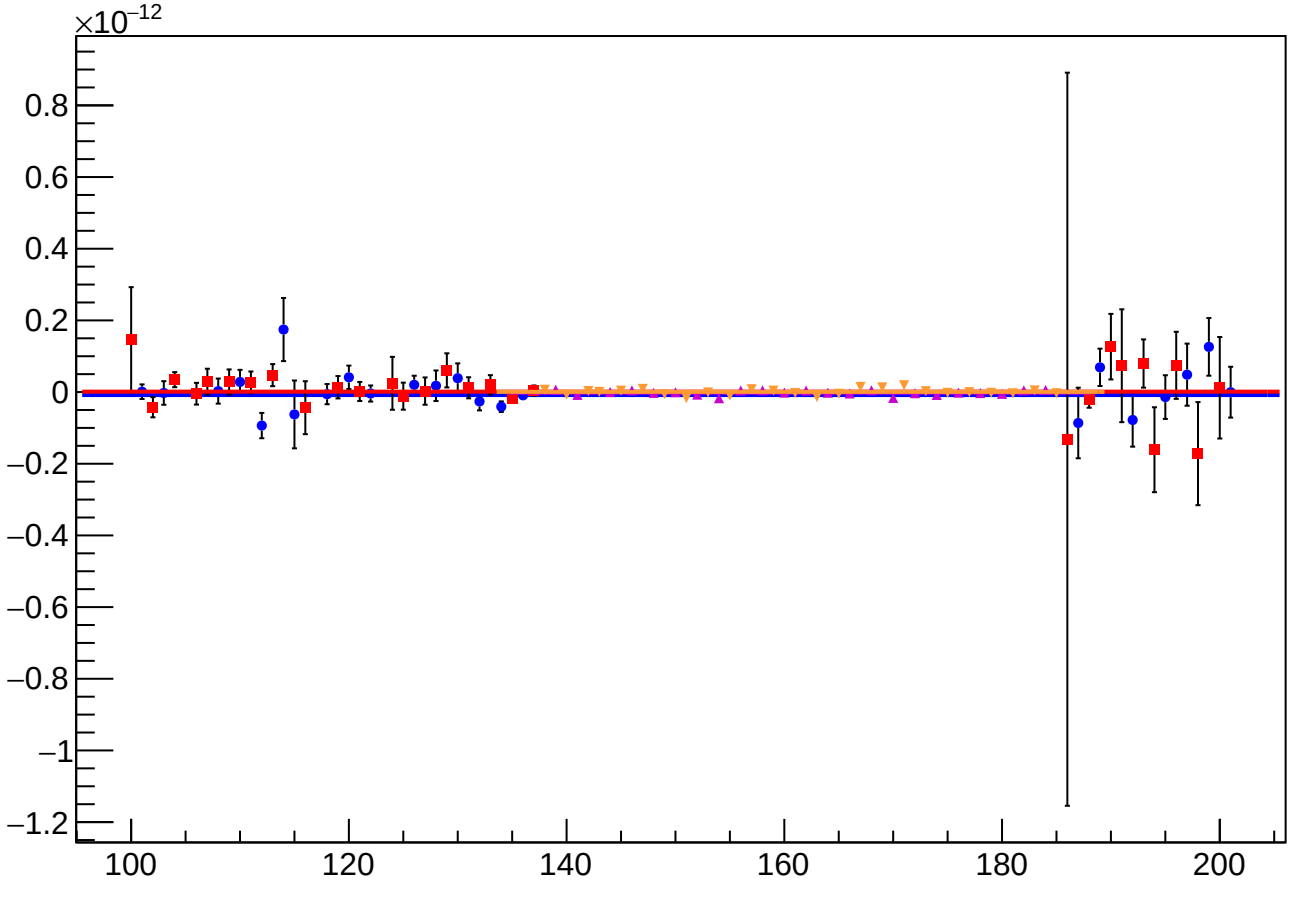
Right Out: 23.181+/-0.005 χ^2/NDF: 4253023.2/27

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

\+ sign 21.642+/-0.003 χ^2/NDF: 3794722.0/47

All: 21.483+/-0.002 χ^2/NDF: 9430117.1/98

\- sign 21.324+/-0.003 χ^2/NDF: 5629241.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

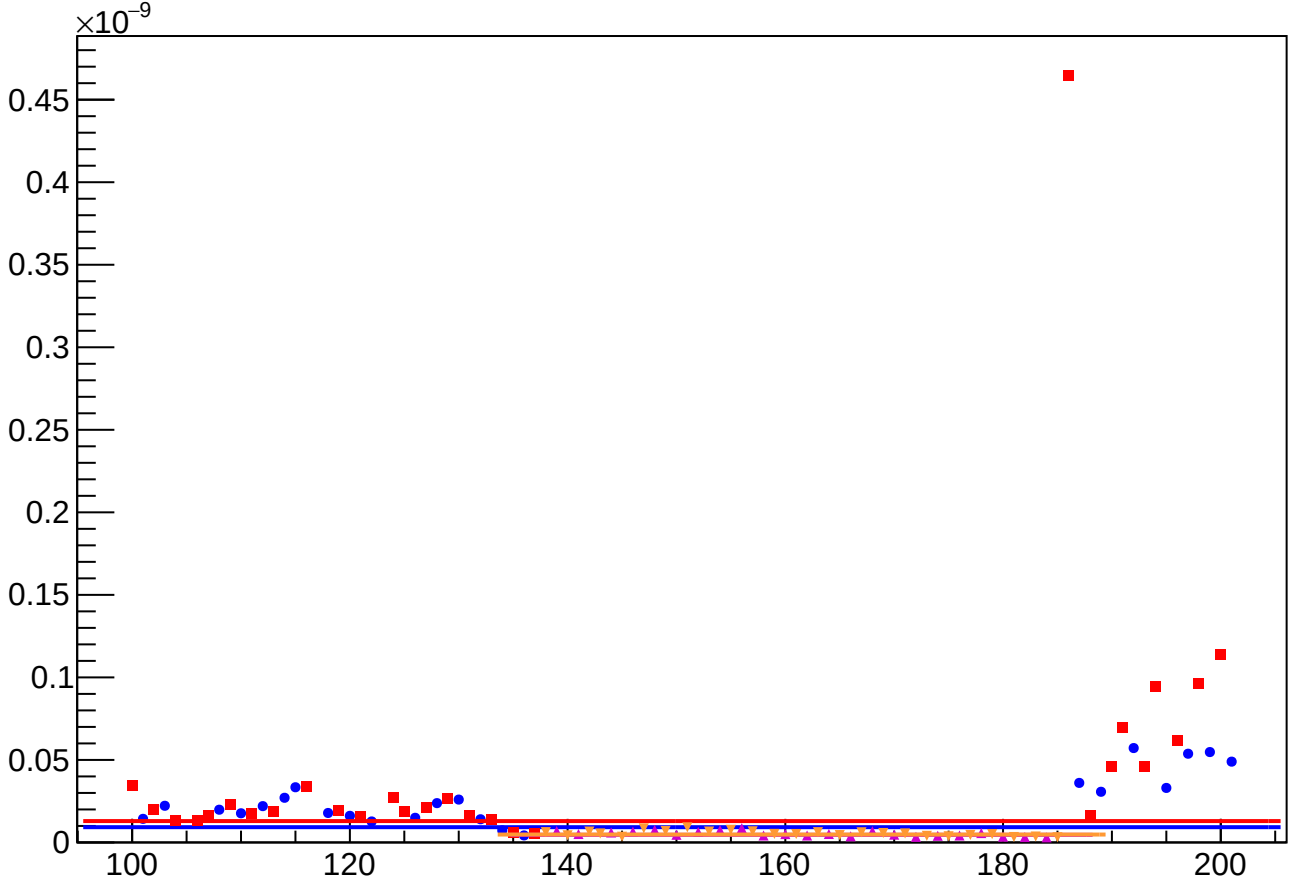
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/27

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: 109.0/98

- sign -0.000+/-0.000 χ^2/NDF: 46.2/50



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: 7340742.3/27

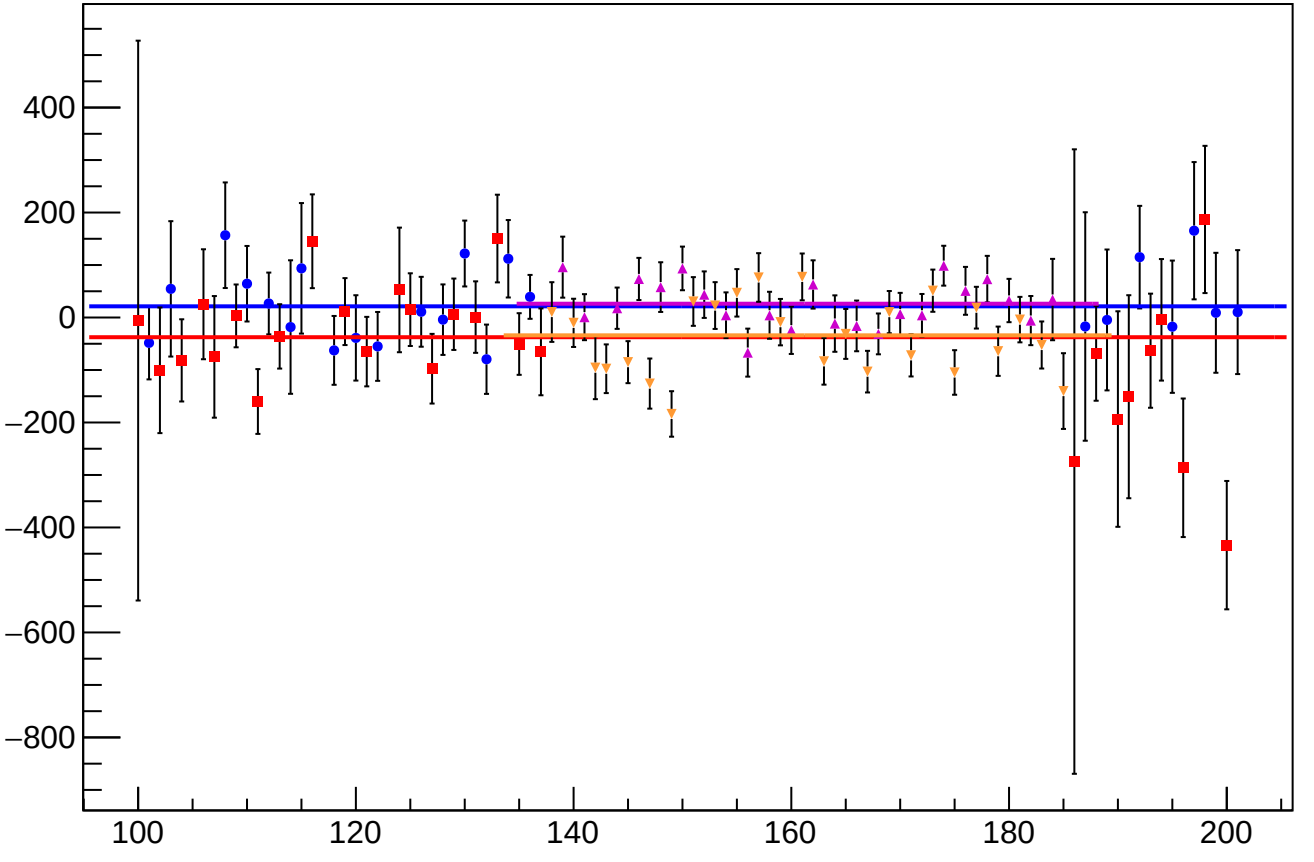
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11215280.7/47

All: 0.000+/-0.000 χ^2/NDF: 24866772.2/98

- sign 0.000+/-0.000 χ^2/NDF: 13647770.9/50

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: -37.533+/-16.143 χ^2/NDF: 36.3/27

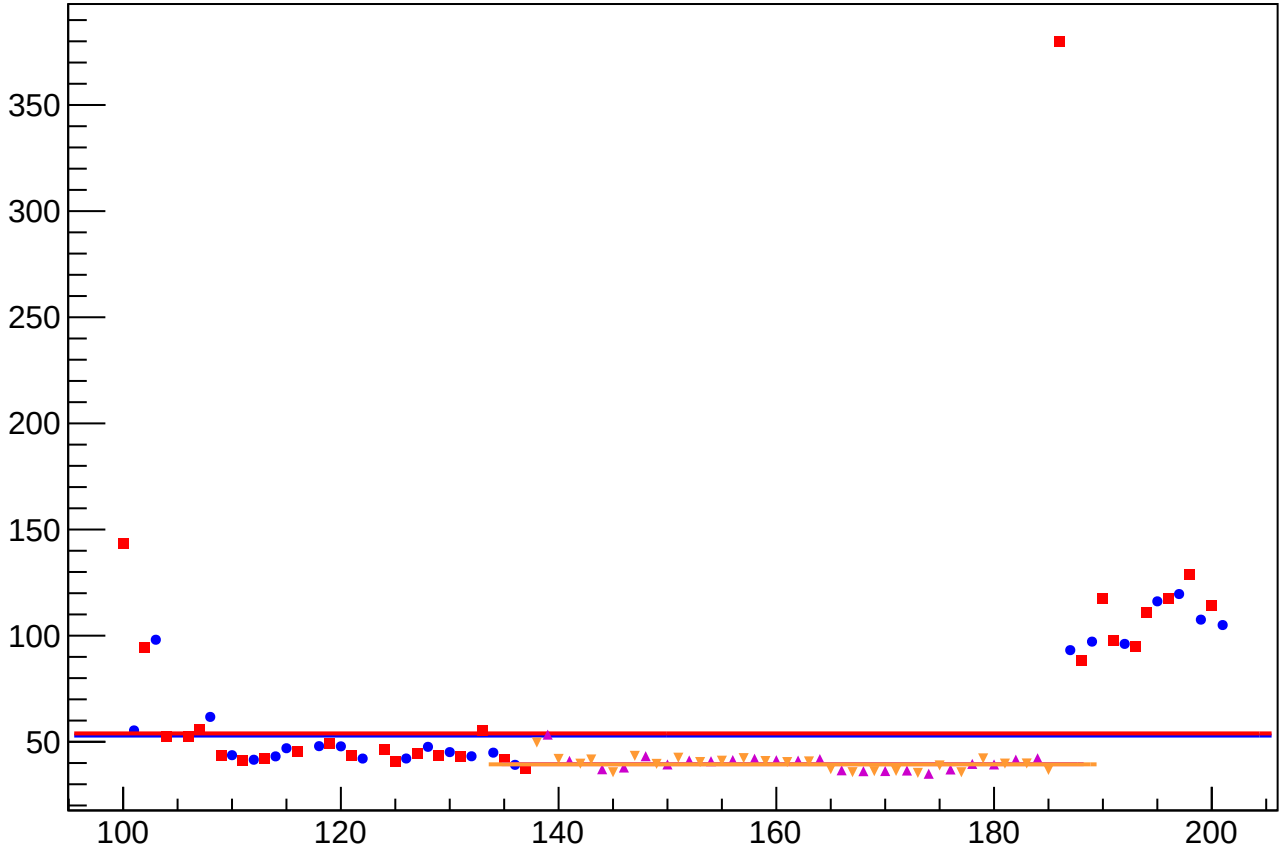
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.154+/-7.883 χ^2/NDF: 83.8/47

All: -5.667+/-5.629 χ^2/NDF: 162.1/98

- sign 10.442+/-8.040 χ^2/NDF: 70.5/50

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

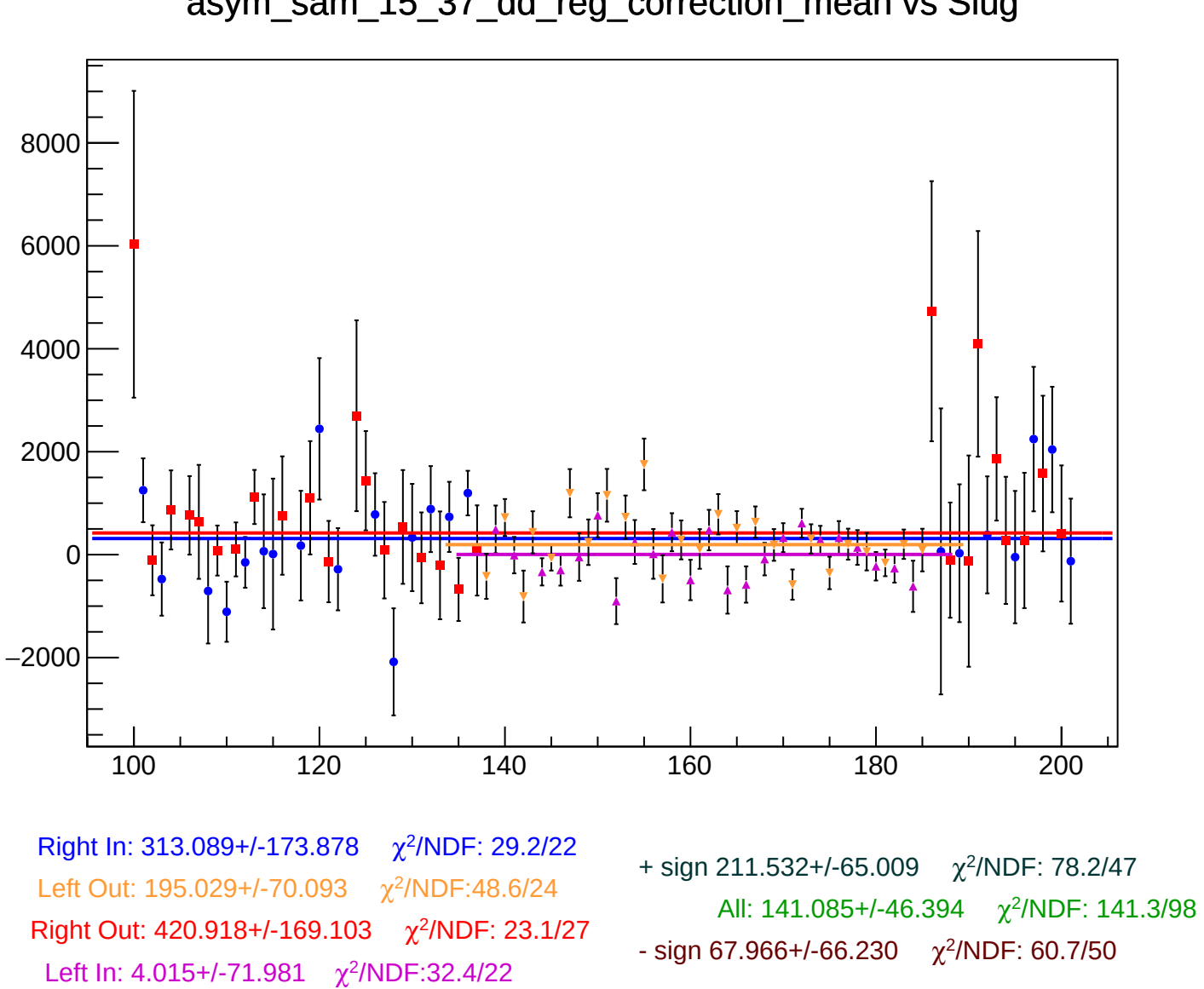
Right Out: 53.953+/-0.011 χ^2/NDF: 4440702.3/27

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

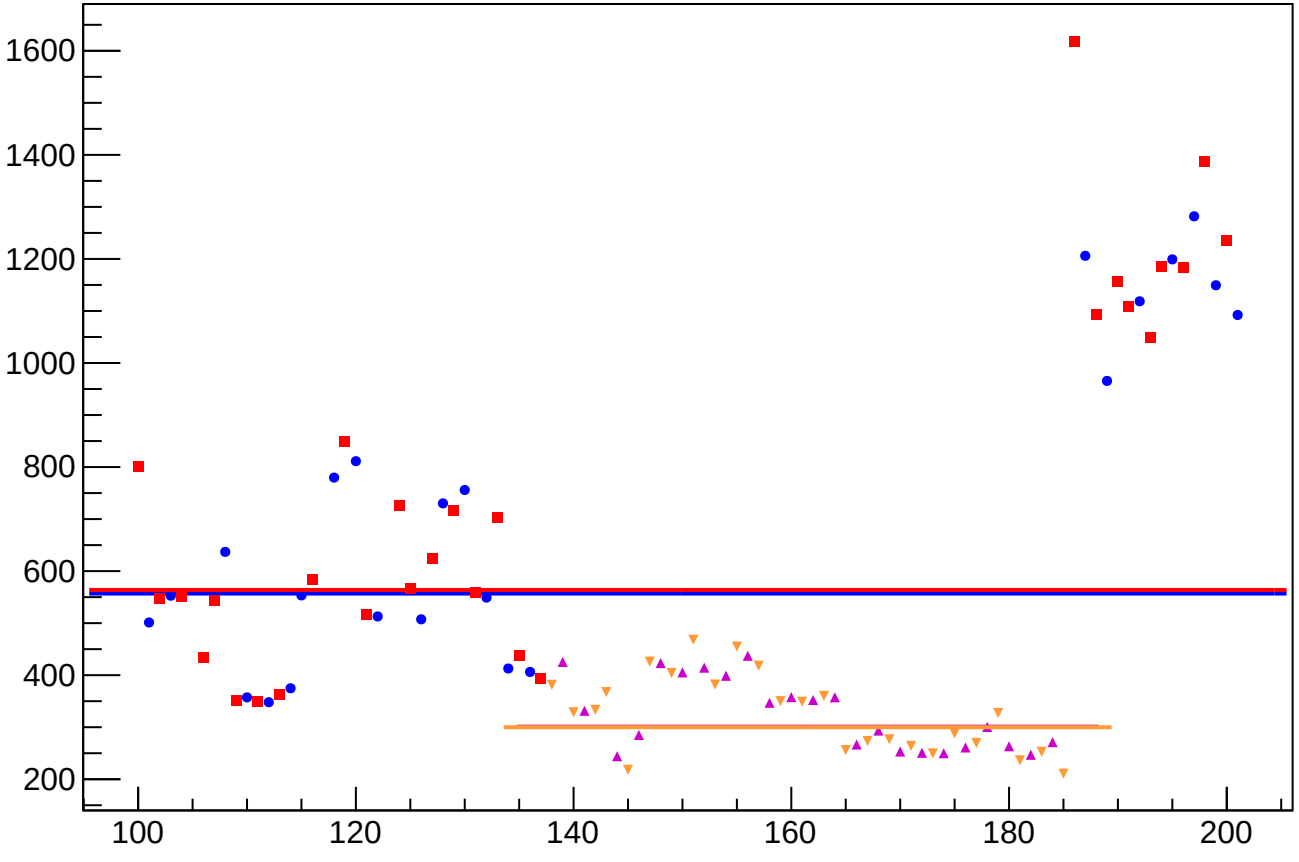
+ sign 42.523+/-0.006 χ^2/NDF: 4669561.3/47

All: 42.795+/-0.004 χ^2/NDF: 10573977.9/98

- sign 43.078+/-0.006 χ^2/NDF: 5899554.1/50


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: 420.918+/-169.103 χ²/NDF: 23.1/27
Left In: 4.015+/-71.981 χ²/NDF:32.4/22
+ sign 211.532+/-65.009 χ²/NDF: 78.2/47
All: 141.085+/-46.394 χ²/NDF: 141.3/98
- sign 67.966+/-66.230 χ²/NDF: 60.7/50

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: 563.791+/-0.120 χ^2/NDF: 4952314.6/27

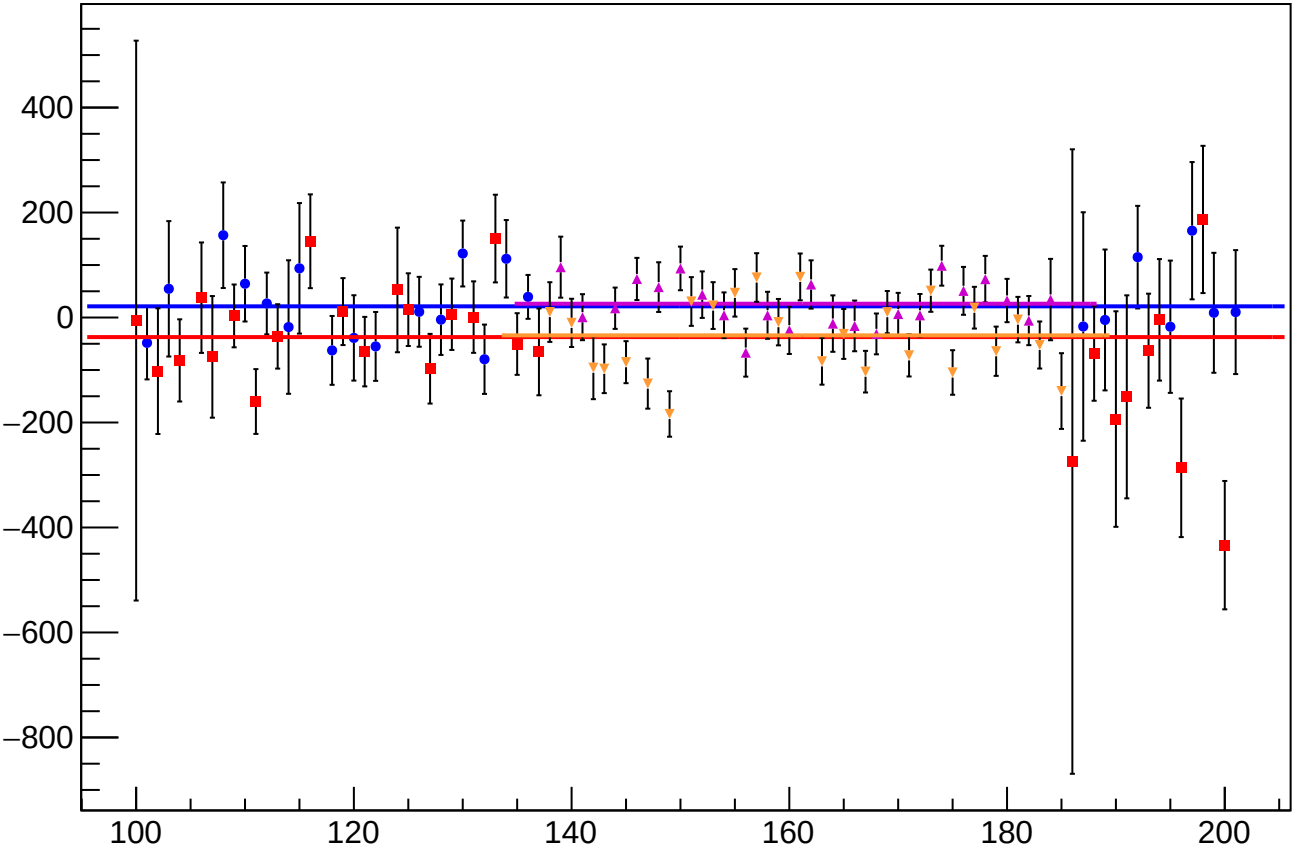
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 335.885+/-0.046 χ^2/NDF: 9545498.5/47

All: 338.547+/-0.033 χ^2/NDF: 20000983.8/98

- sign 341.311+/-0.047 χ^2/NDF: 10448649.4/50

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: -37.281+/-16.145 χ^2/NDF: 36.4/27

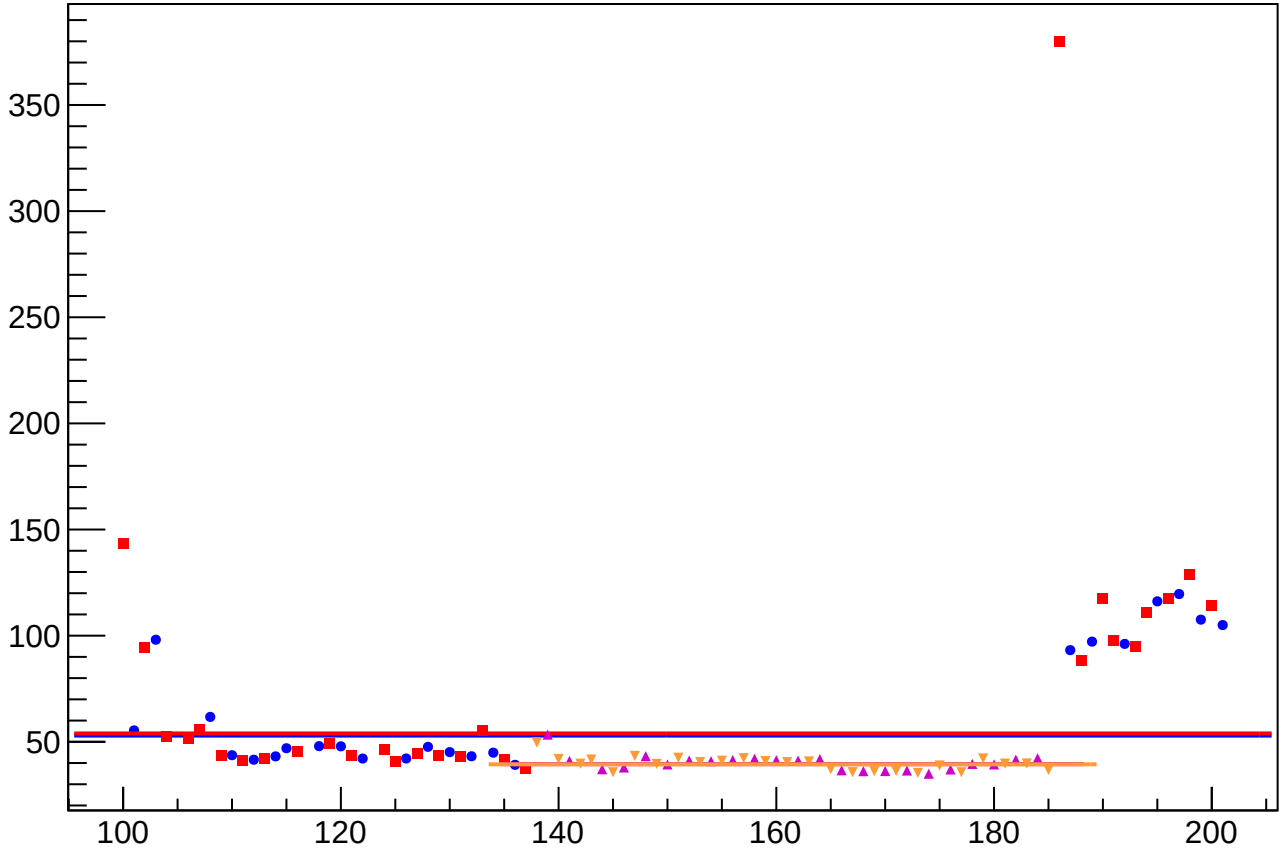
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.153+/-7.883 χ^2/NDF: 83.8/47

All: -5.635+/-5.629 χ^2/NDF: 162.2/98

- sign 10.507+/-8.040 χ^2/NDF: 70.6/50

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

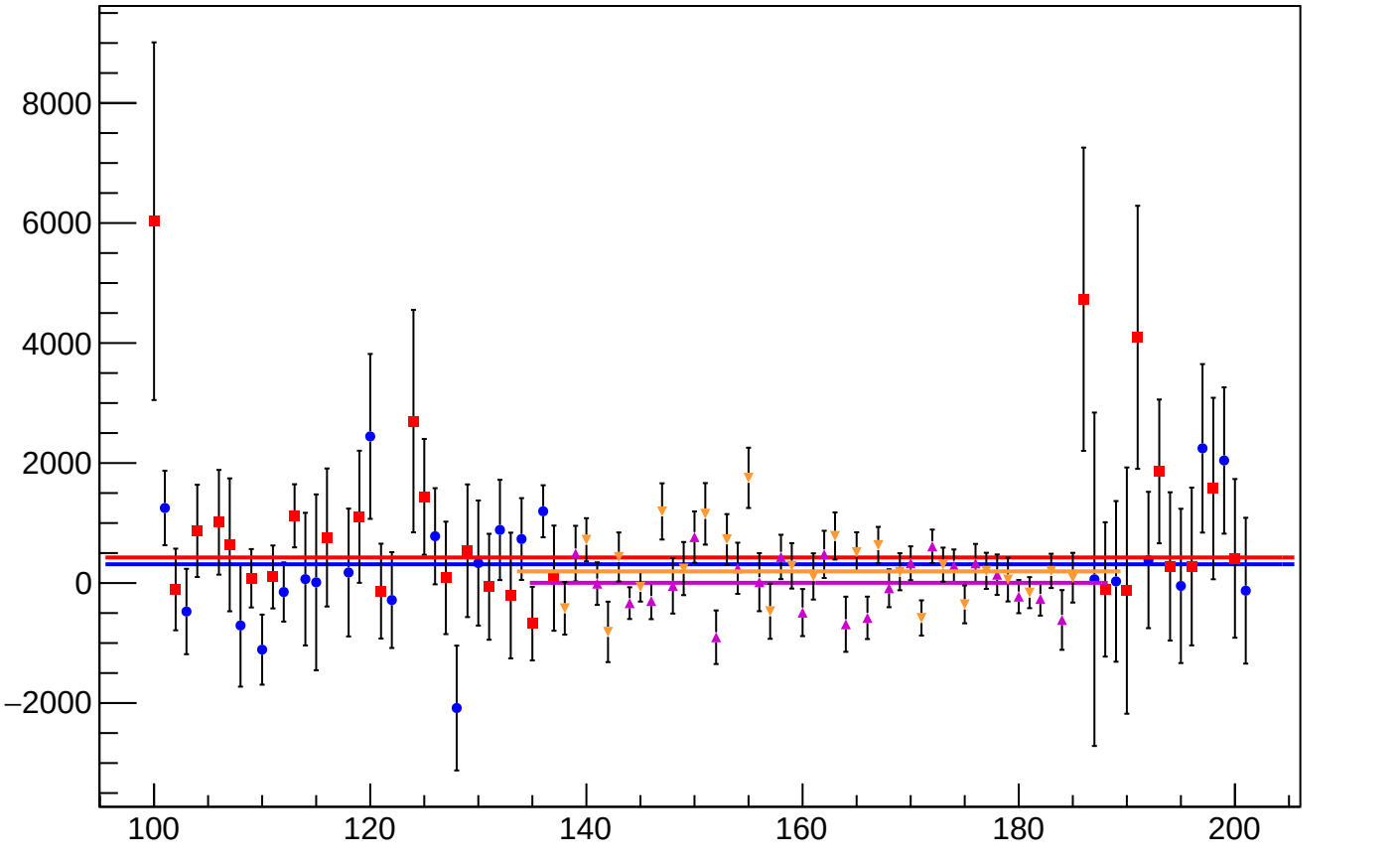
Right Out: 53.934+/-0.011 χ^2/NDF: 4441476.6/27

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 42.523+/-0.006 χ^2/NDF: 4669564.2/47

All: 42.792+/-0.004 χ^2/NDF: 10571312.1/98

- sign 43.073+/-0.006 χ^2/NDF: 5896977.7/50



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: 426.603+/-170.102 χ^2/NDF: 23.4/27

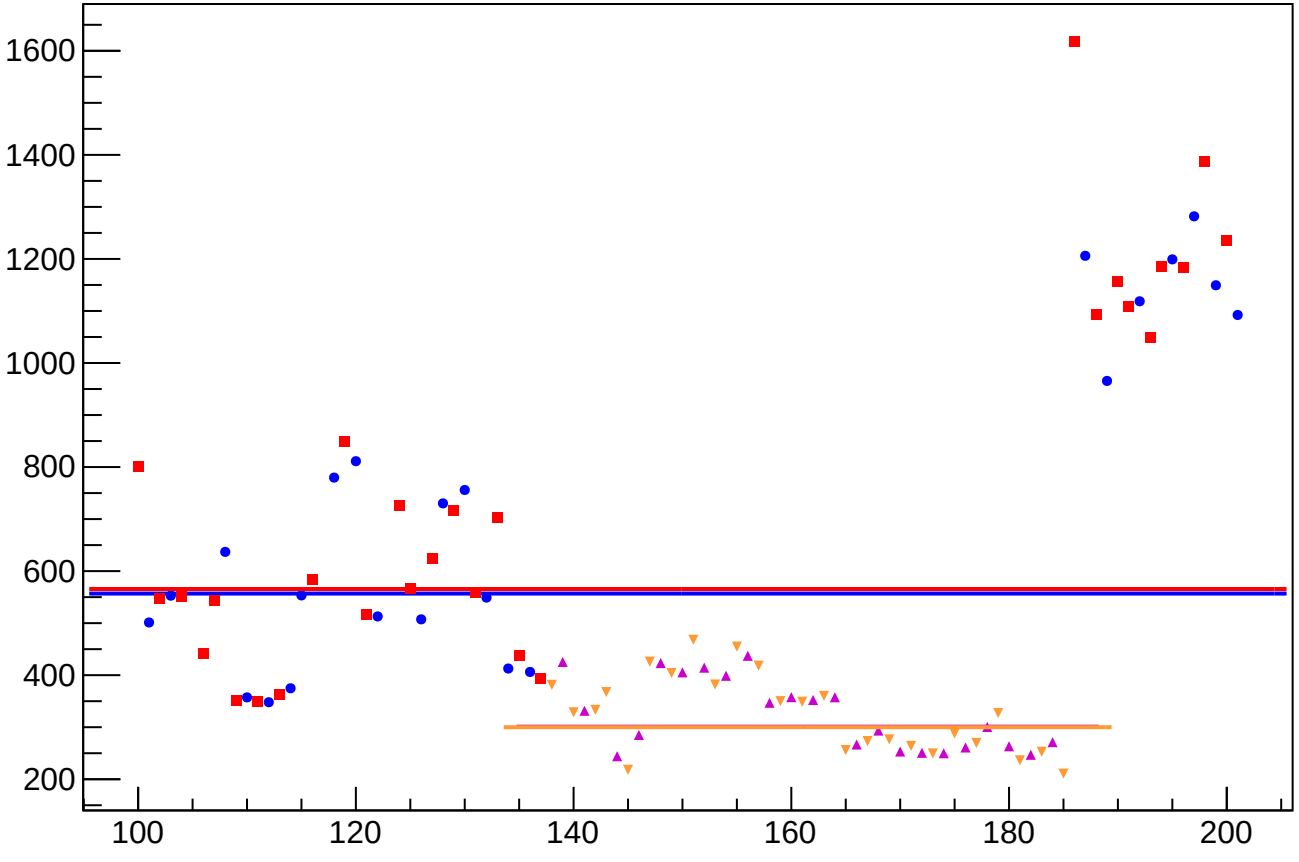
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 211.532+/-65.010 χ^2/NDF: 78.2/47

All: 141.261+/-46.415 χ^2/NDF: 141.6/98

- sign 68.194+/-66.290 χ^2/NDF: 61.0/50

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: 565.620+/-0.120 χ^2/NDF: 4933530.3/27

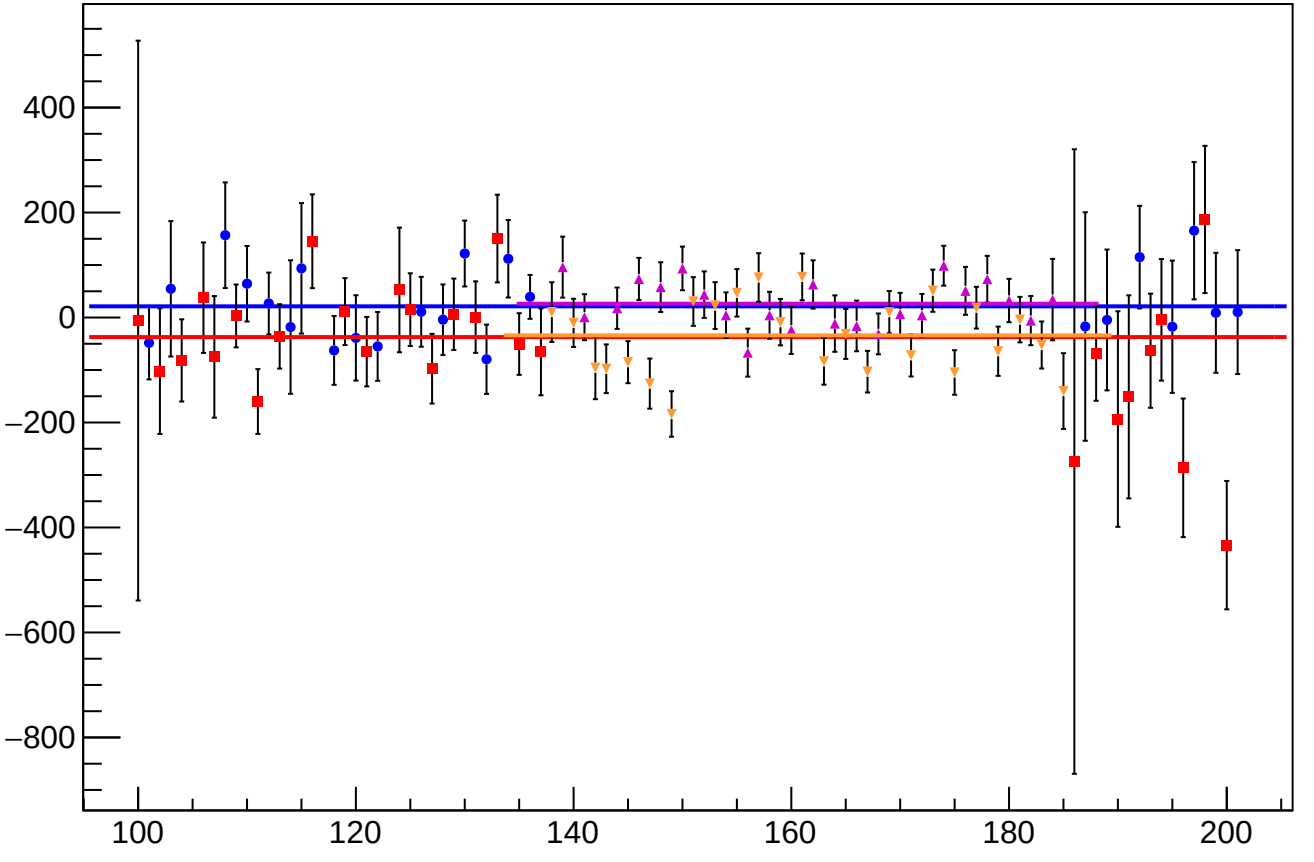
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 335.885+/-0.046 χ^2/NDF: 9545541.5/47

All: 338.485+/-0.033 χ^2/NDF: 19997850.0/98

- sign 341.188+/-0.047 χ^2/NDF: 10445785.0/50

eigen_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: -37.281+/-16.145 χ^2/NDF: 36.4/27

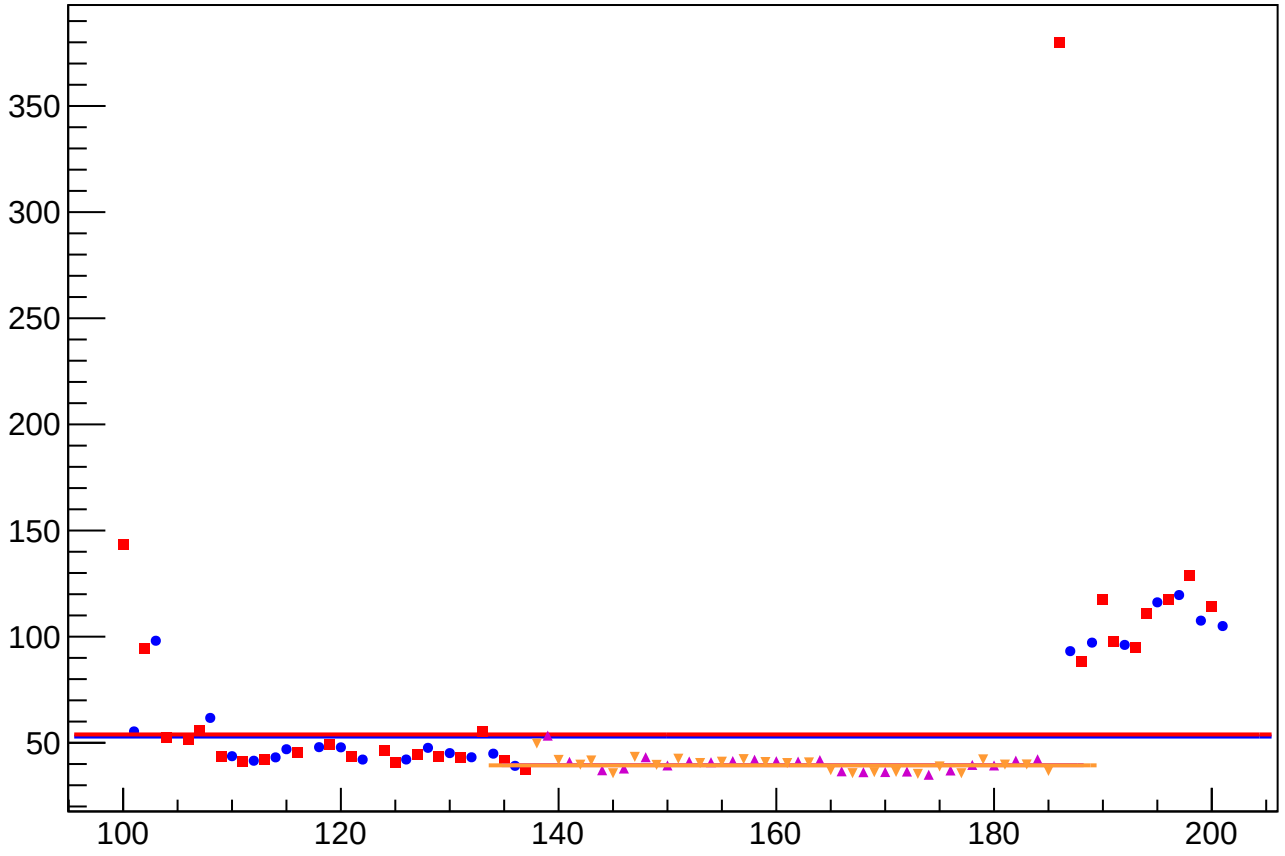
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.153+/-7.883 χ^2/NDF: 83.8/47

All: -5.635+/-5.629 χ^2/NDF: 162.2/98

- sign 10.507+/-8.040 χ^2/NDF: 70.6/50

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

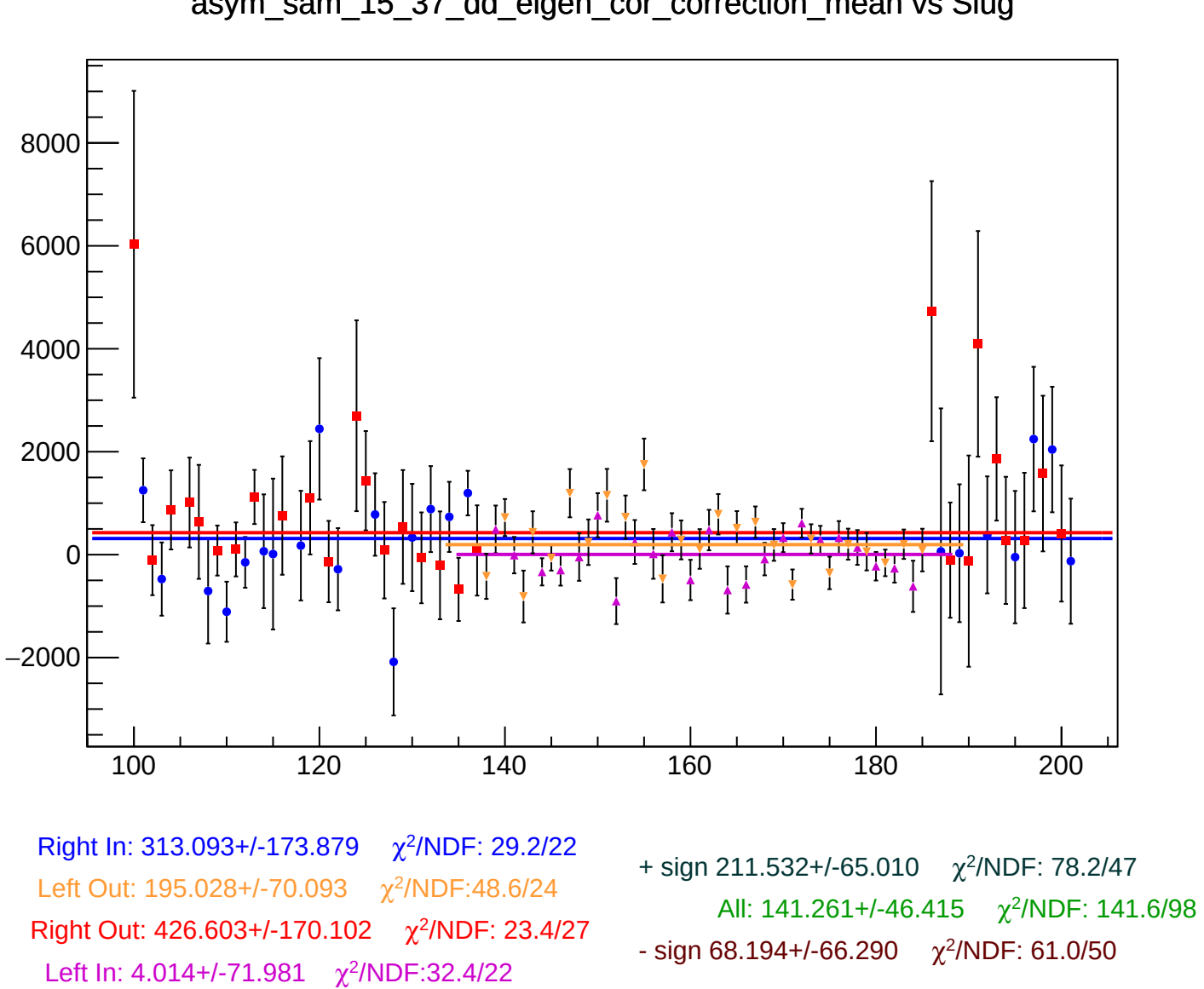
Right Out: 53.934+/-0.011 χ^2/NDF: 4441476.6/27

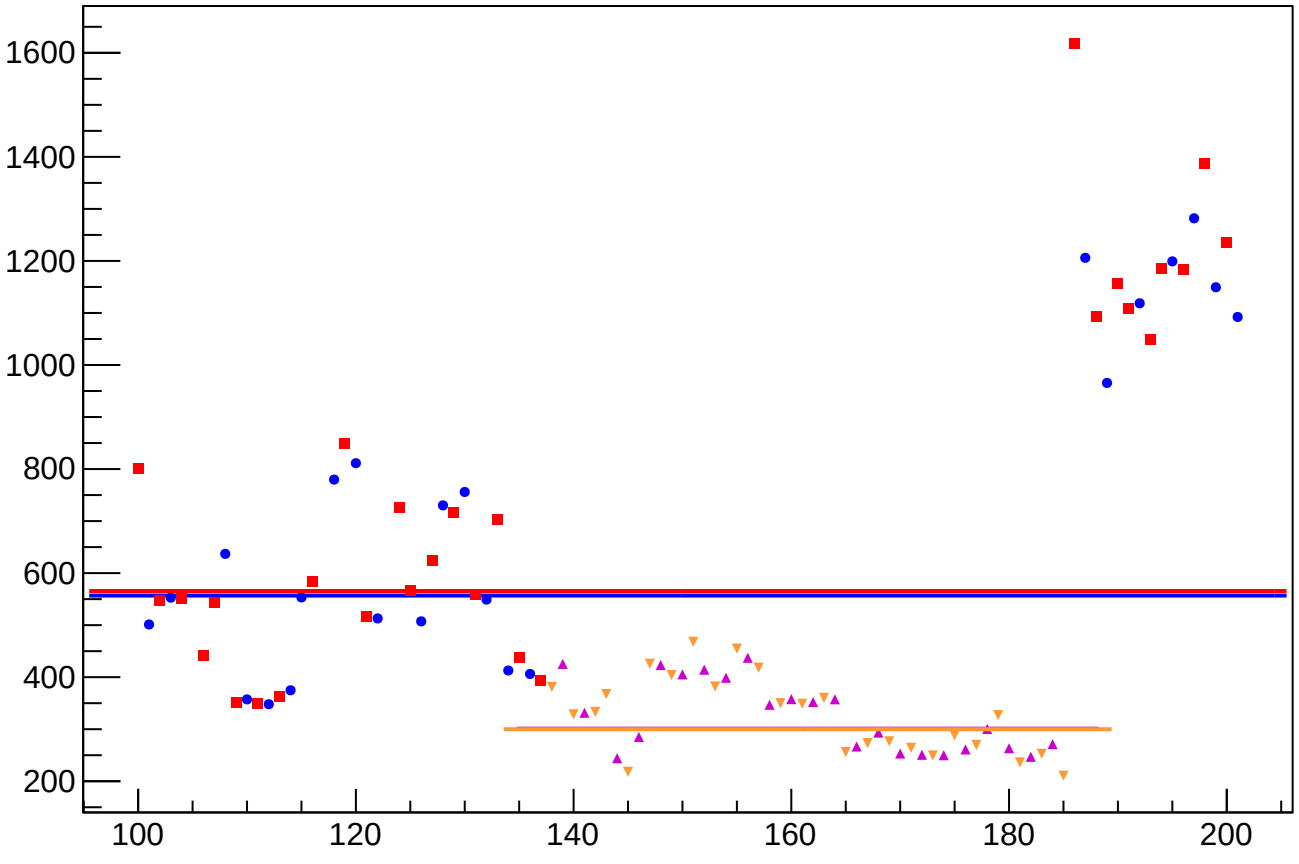
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 42.523+/-0.006 χ^2/NDF: 4669564.2/47

All: 42.792+/-0.004 χ^2/NDF: 10571312.1/98

- sign 43.073+/-0.006 χ^2/NDF: 5896977.7/50


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: 426.603+/-170.102 χ²/NDF: 23.4/27
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 211.532+/-65.010 χ²/NDF: 78.2/47
All: 141.261+/-46.415 χ²/NDF: 141.6/98
- sign 68.194+/-66.290 χ²/NDF: 61.0/50



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: 565.620+/-0.120 χ^2/NDF: 4933530.3/27

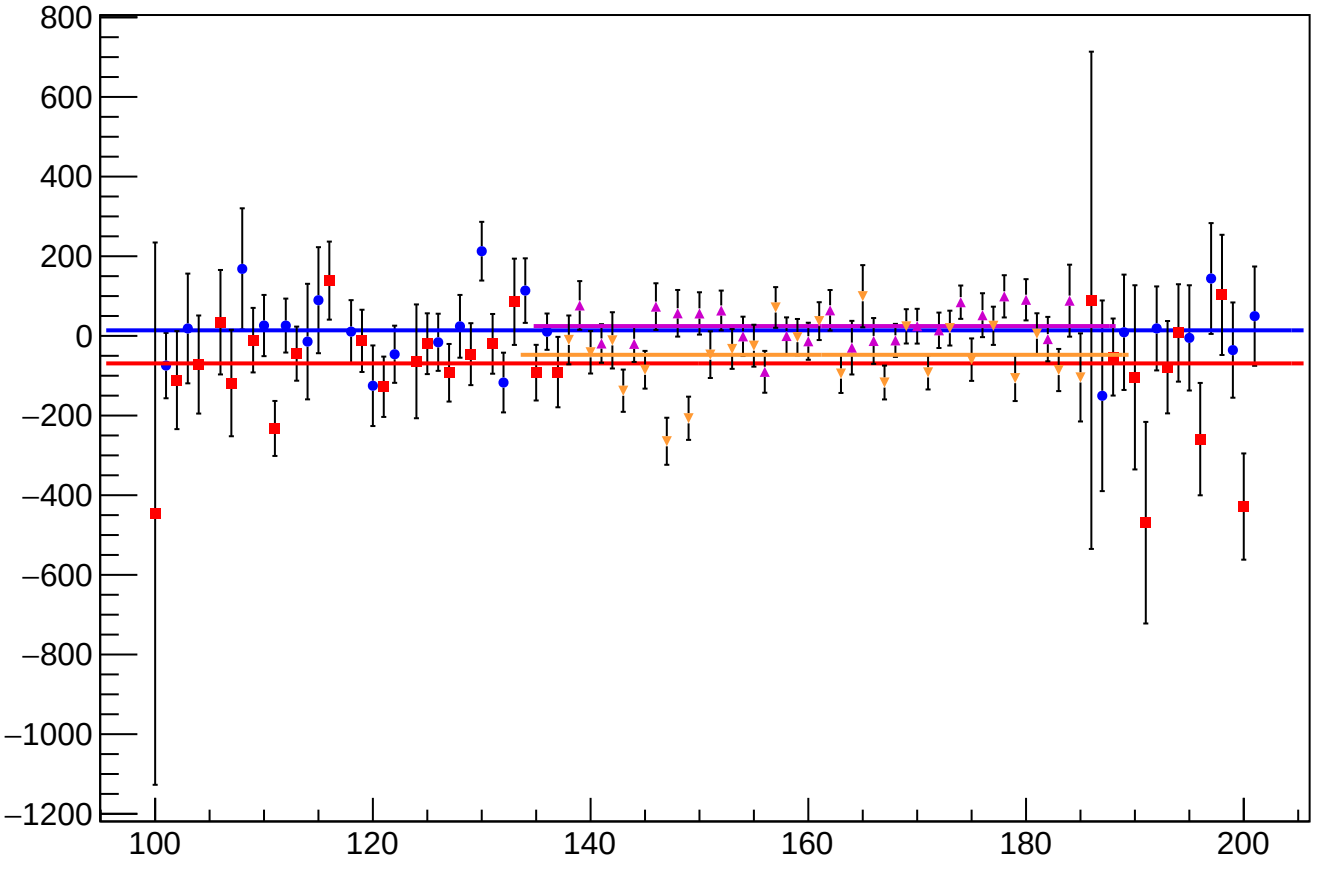
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 335.885+/-0.046 χ^2/NDF: 9545541.5/47

All: 338.485+/-0.033 χ^2/NDF: 19997850.0/98

- sign 341.188+/-0.047 χ^2/NDF: 10445785.0/50

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: -69.056+/-18.641 χ^2/NDF: 29.7/27

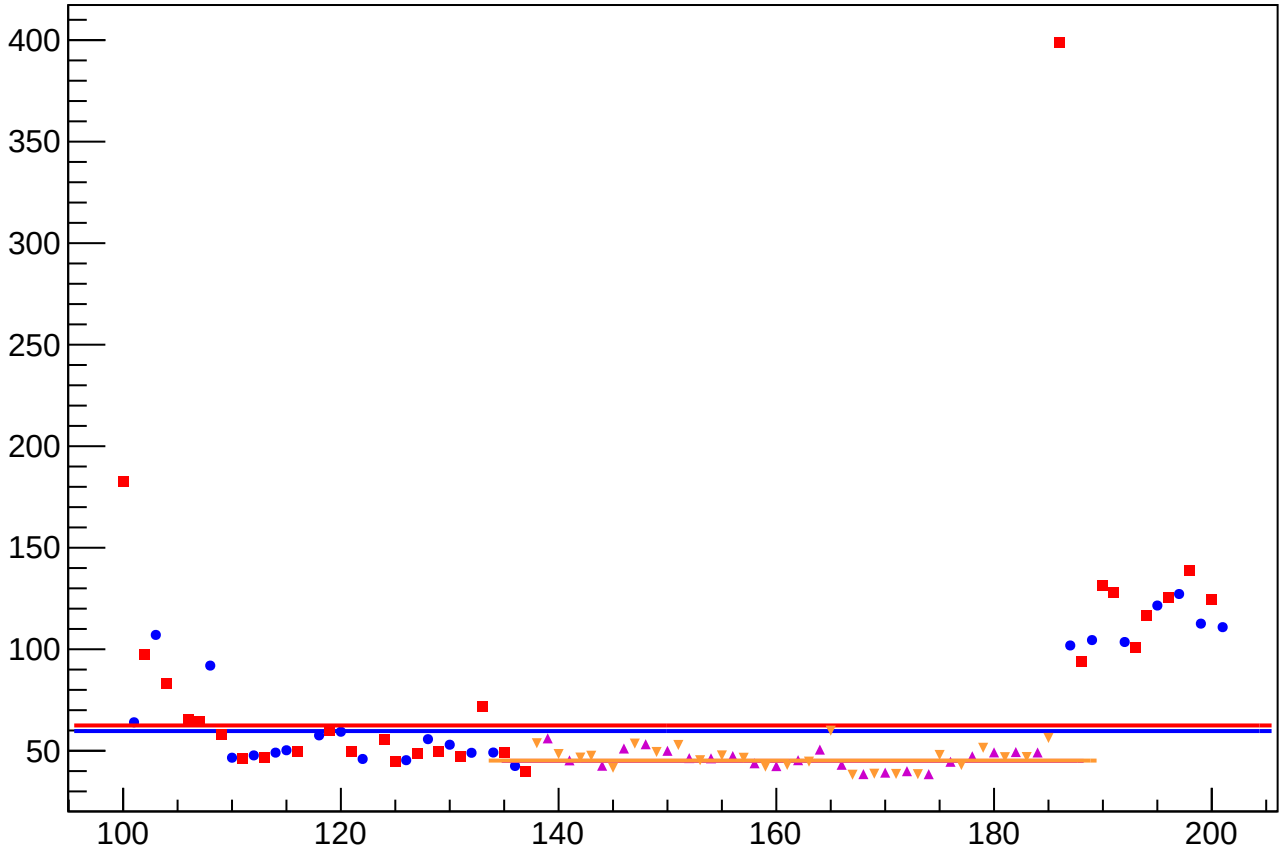
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -32.684+/-9.055 χ^2/NDF: 82.0/47

All: -15.921+/-6.472 χ^2/NDF: 157.4/98

- sign 1.585+/-9.254 χ^2/NDF: 68.5/50

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: 62.475+/-0.013 χ^2/NDF: 4208663.2/27

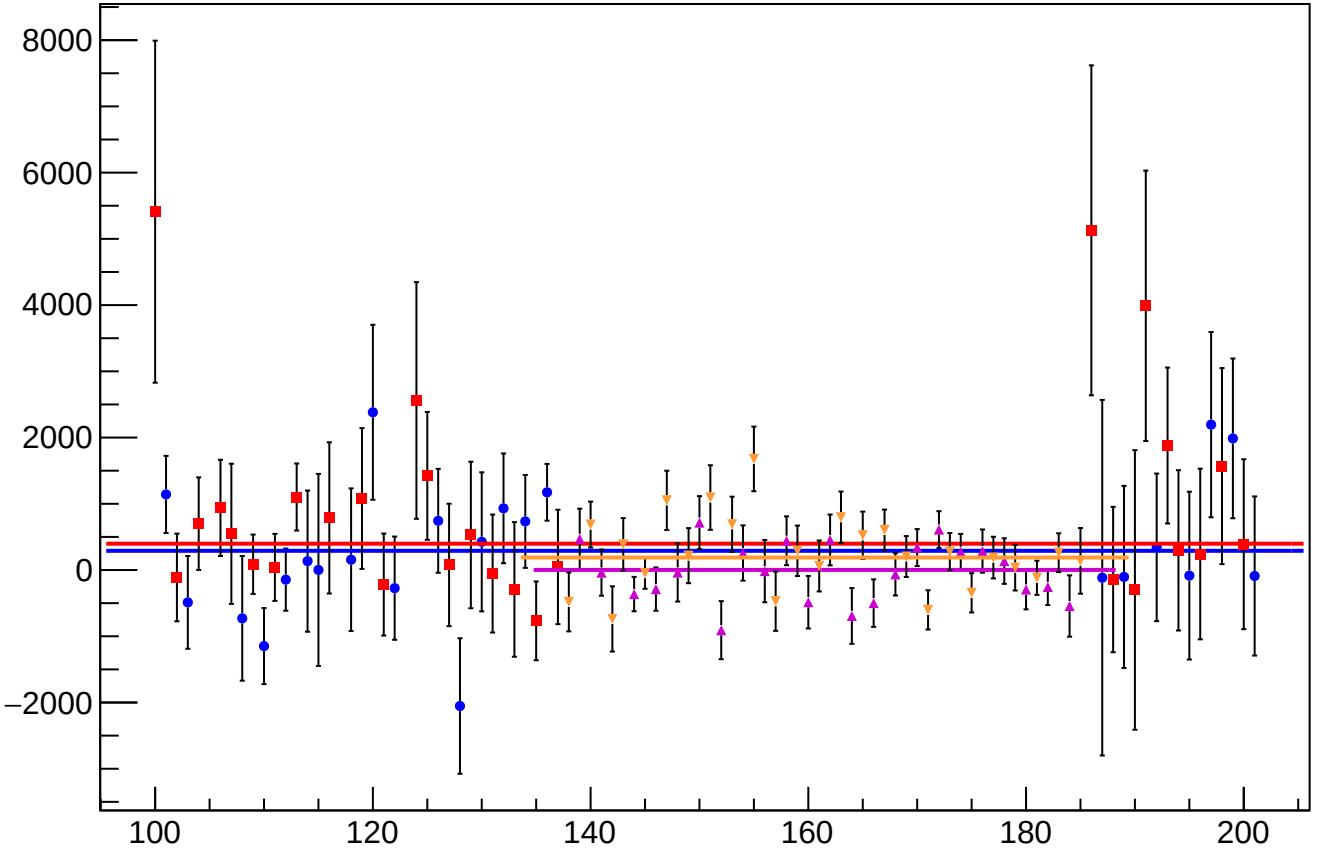
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 48.676+/-0.006 χ^2/NDF: 4678361.4/47

All: 48.991+/-0.005 χ^2/NDF: 10586508.5/98

- sign 49.319+/-0.007 χ^2/NDF: 5903205.1/50

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: 397.682+/-162.872 χ^2/NDF: 25.9/27

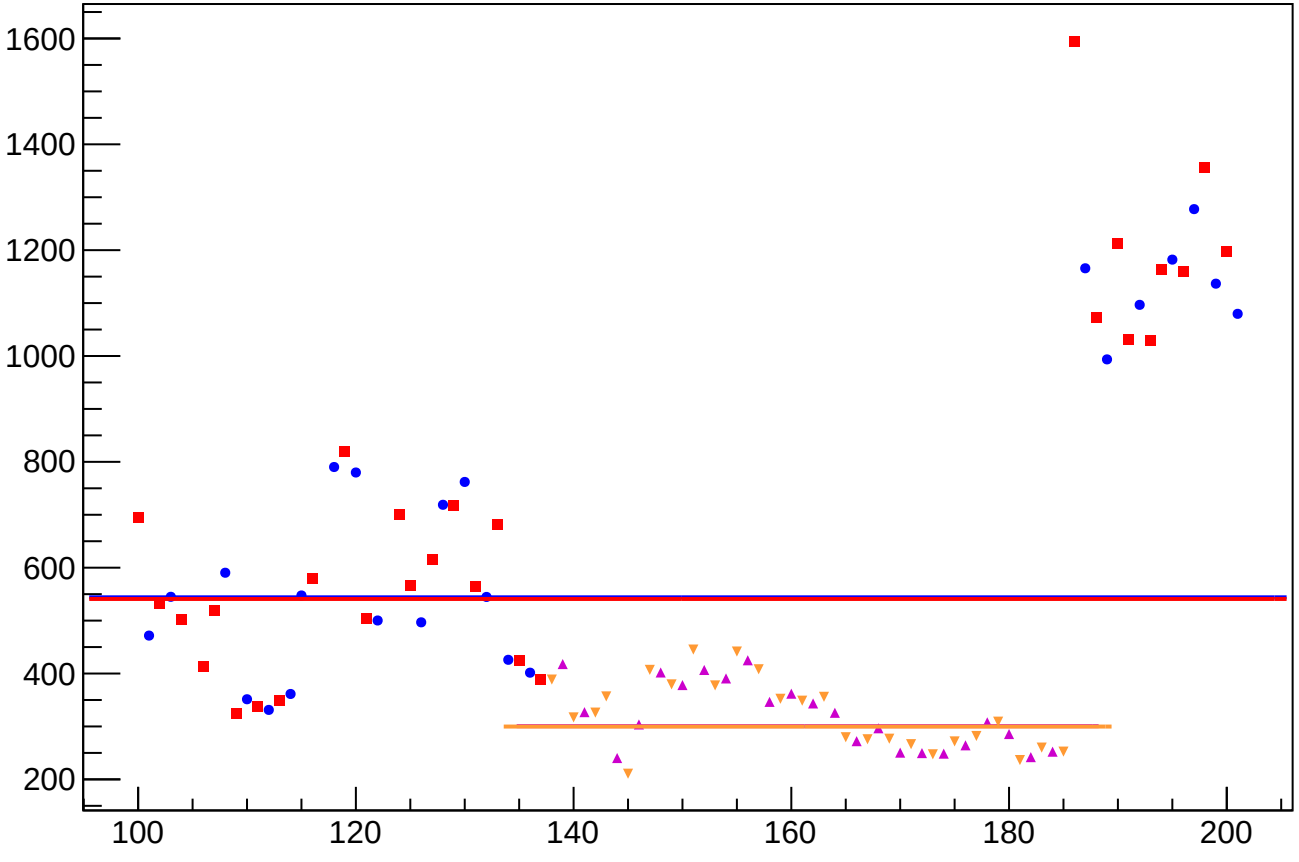
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 203.407+/-64.507 χ^2/NDF: 76.8/47

All: 135.873+/-46.006 χ^2/NDF: 142.2/98

- sign 65.963+/-65.632 χ^2/NDF: 63.1/50

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: 540.930+/-0.115 χ^2/NDF: 5167393.6/27

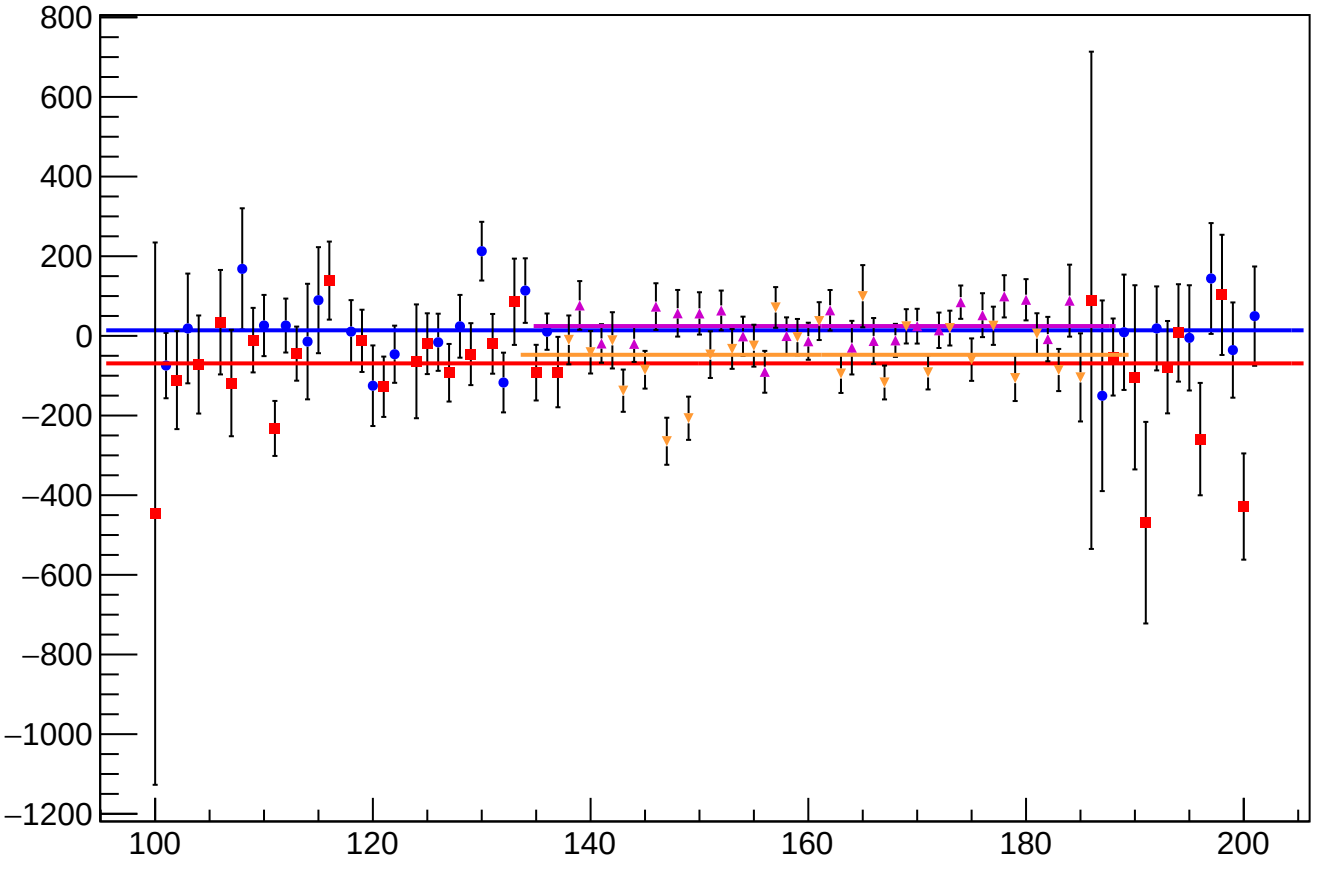
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 334.911+/-0.046 χ^2/NDF: 9193186.5/47

All: 337.205+/-0.033 χ^2/NDF: 19274217.8/98

- sign 339.579+/-0.046 χ^2/NDF: 10075886.8/50

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: -69.056+/-18.641 χ^2/NDF: 29.7/27

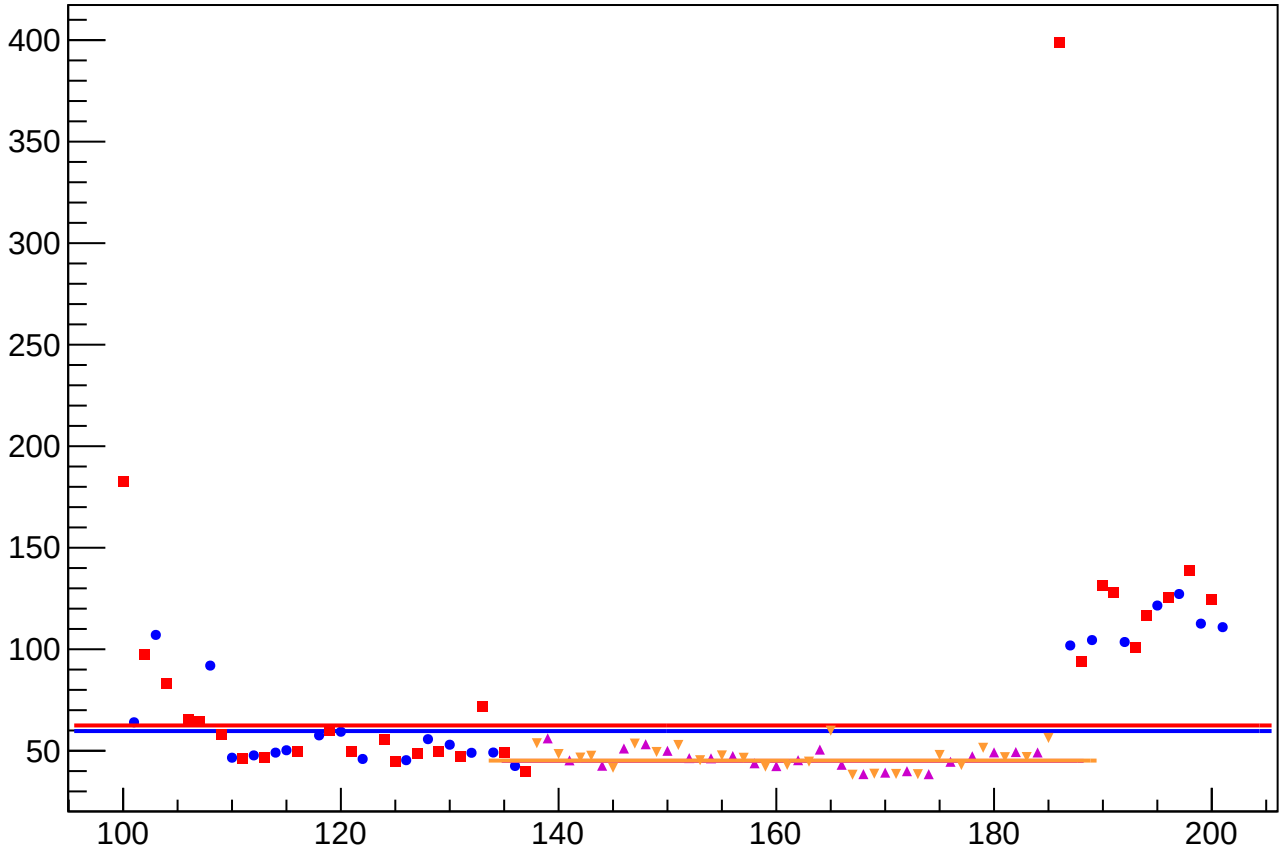
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -32.684+/-9.055 χ^2/NDF: 82.0/47

All: -15.921+/-6.472 χ^2/NDF: 157.4/98

- sign 1.585+/-9.254 χ^2/NDF: 68.5/50

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

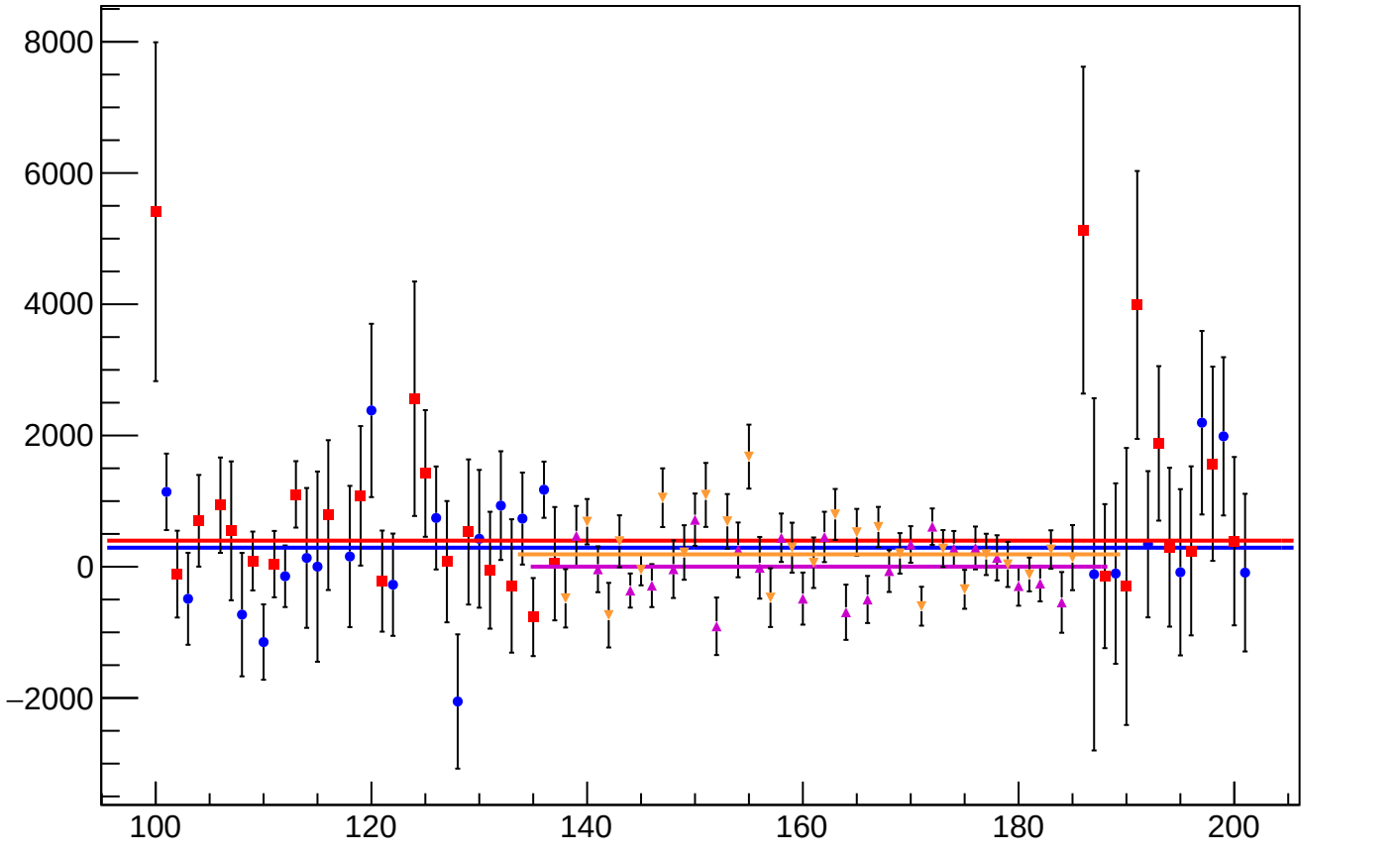
Right Out: 62.475+/-0.013 χ^2/NDF: 4208667.0/27

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 48.676+/-0.006 χ^2/NDF: 4678370.1/47

All: 48.991+/-0.005 χ^2/NDF: 10586524.9/98

- sign 49.320+/-0.007 χ^2/NDF: 5903212.1/50



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: 397.681+/-162.872 χ^2/NDF: 25.9/27

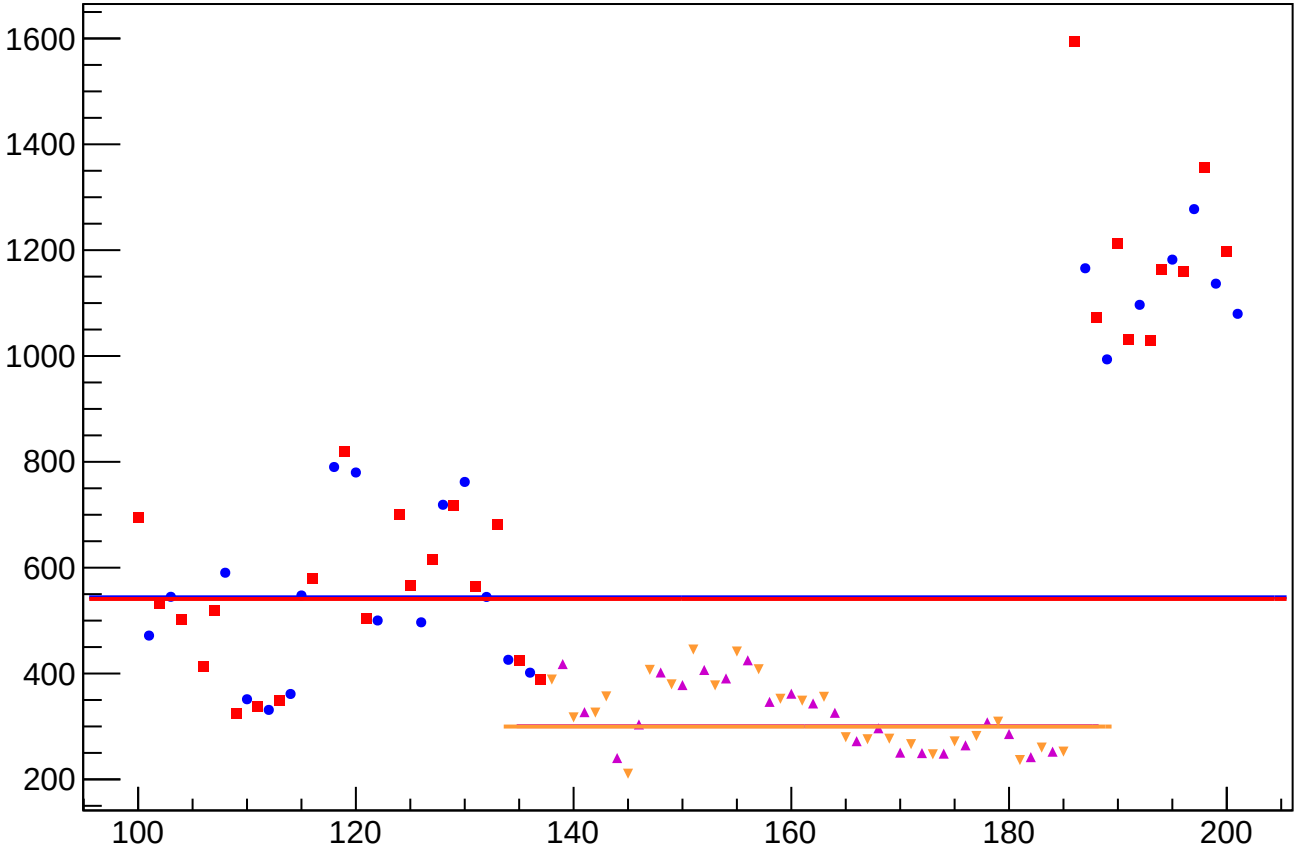
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 203.407+/-64.507 χ^2/NDF: 76.8/47

All: 135.873+/-46.006 χ^2/NDF: 142.2/98

- sign 65.962+/-65.632 χ^2/NDF: 63.1/50

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

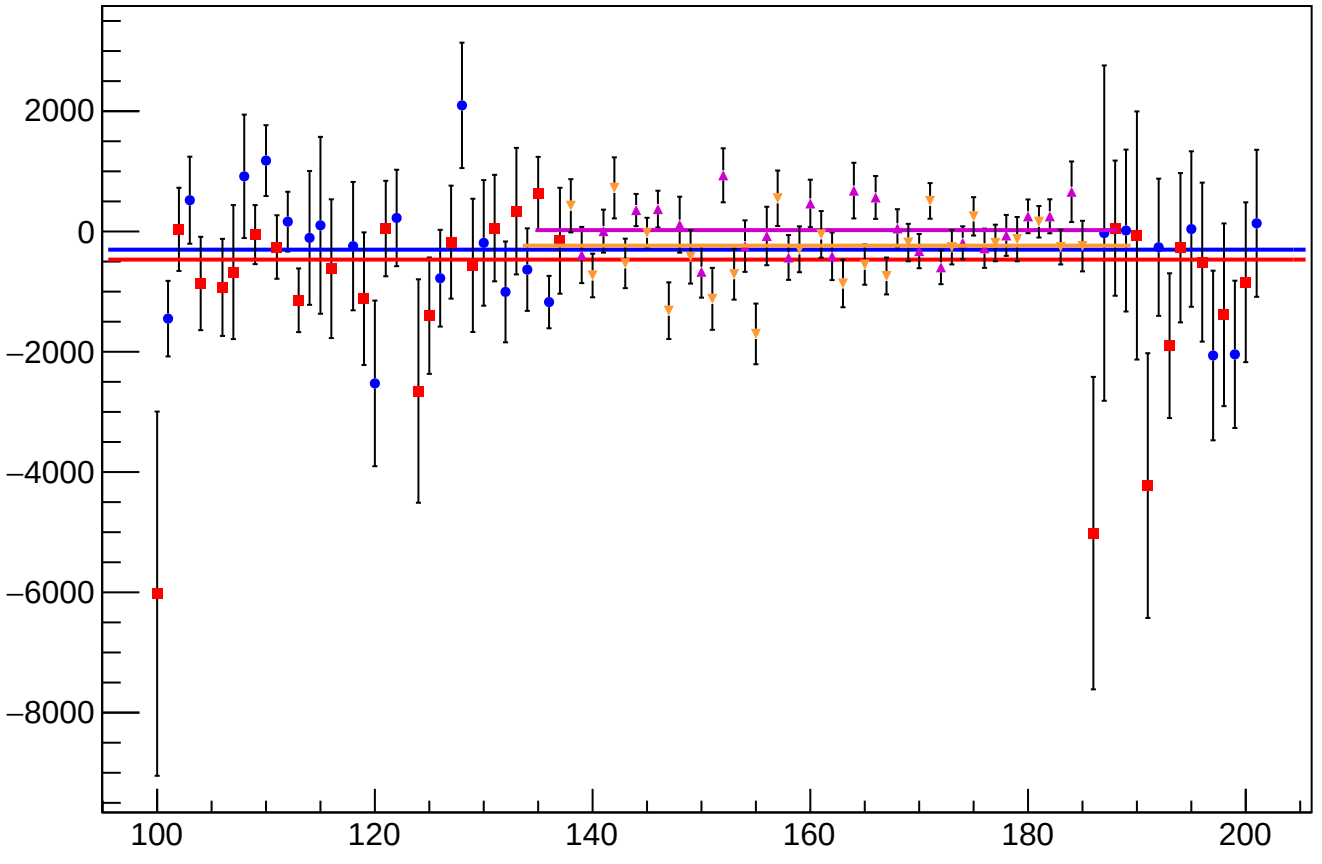
Right Out: 540.929+/-0.115 χ^2/NDF: 5167397.8/27

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 334.911+/-0.046 χ^2/NDF: 9193170.7/47

All: 337.205+/-0.033 χ^2/NDF: 19274169.6/98

- sign 339.579+/-0.046 χ^2/NDF: 10075853.9/50



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: -467.472+/-170.590 χ^2/NDF: 22.5/27

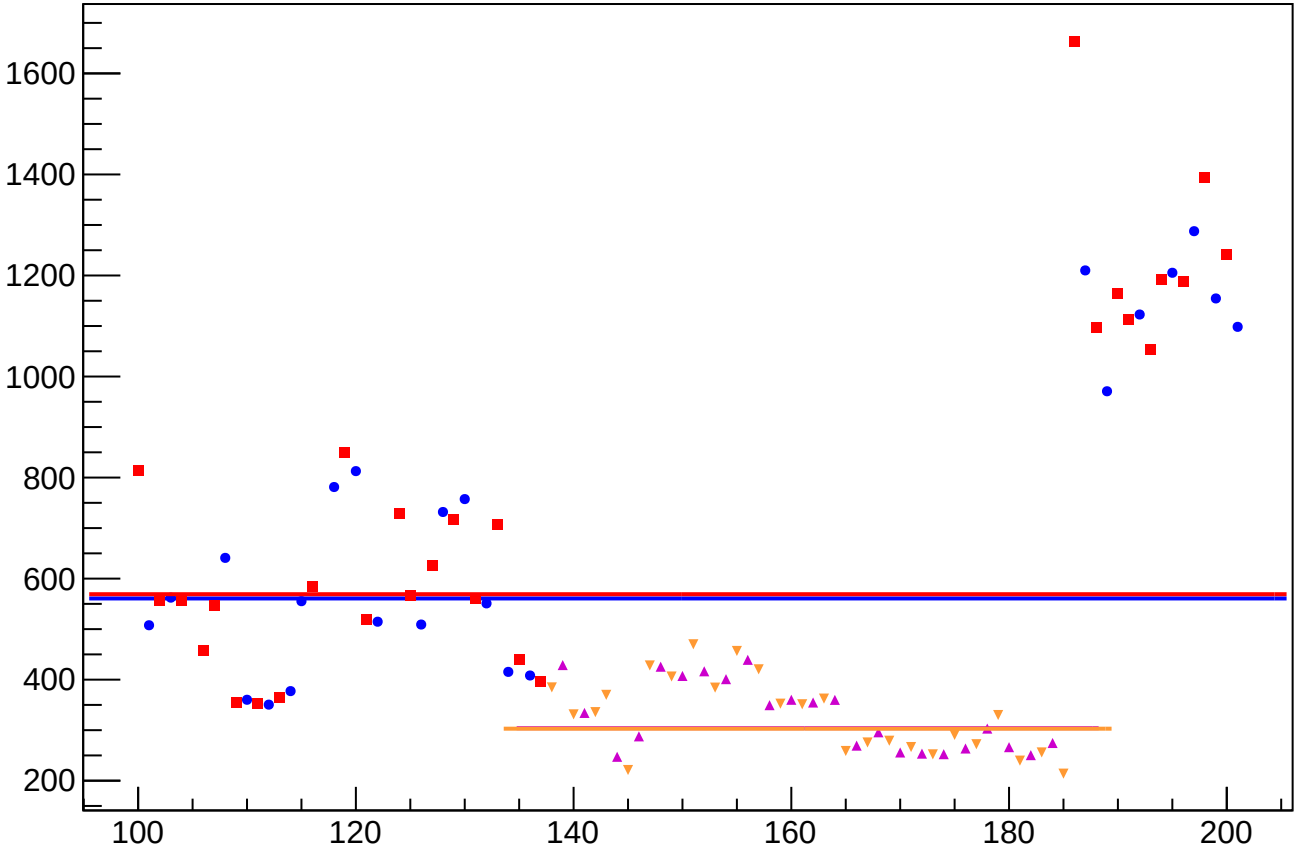
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

\+ sign -244.574+/-65.586 χ^2/NDF: 78.4/47

All: -150.384+/-46.812 χ^2/NDF: 142.0/98

\- sign -52.572+/-66.835 χ^2/NDF: 59.4/50

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

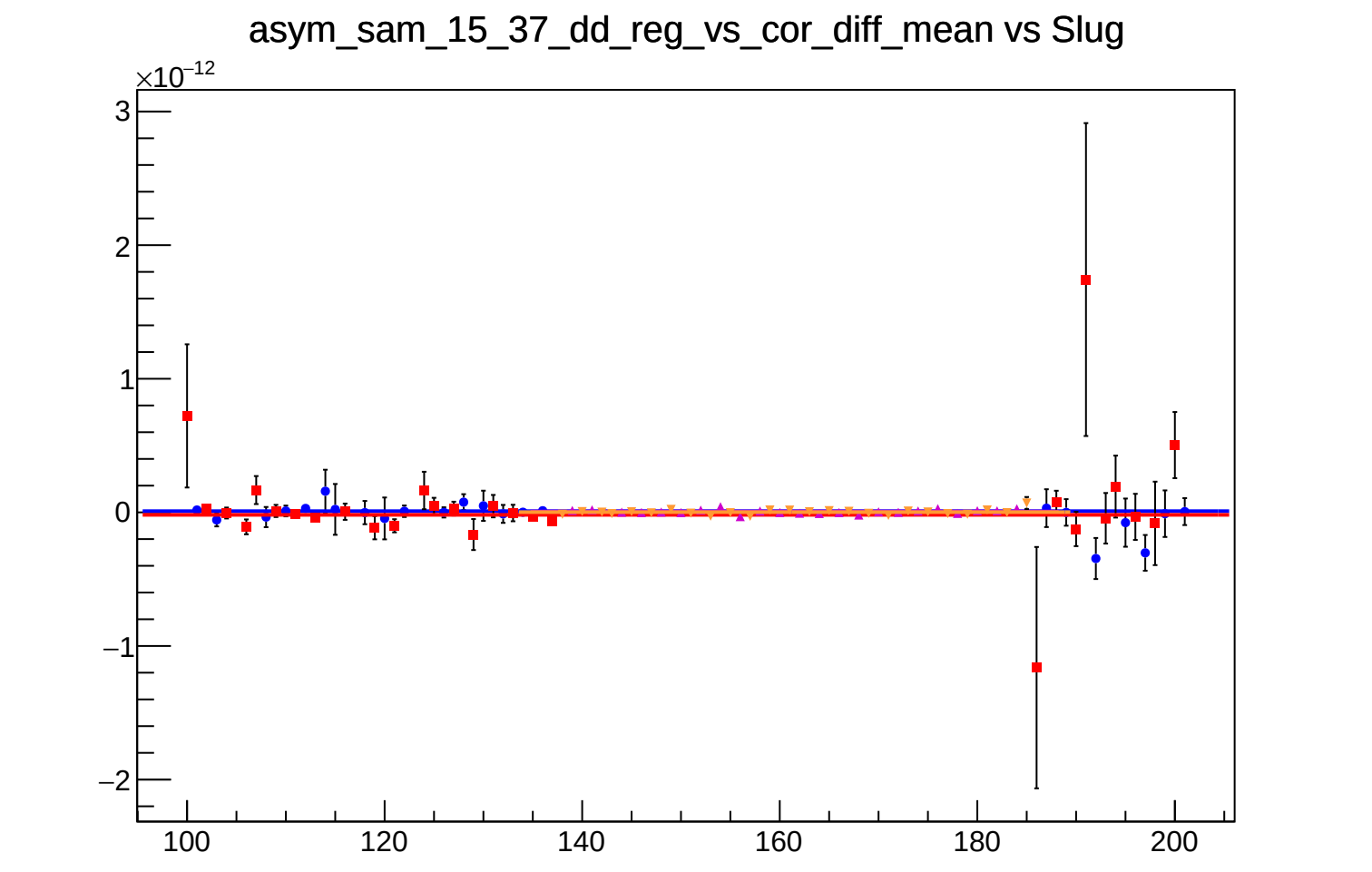
Right Out: 569.141+/-0.121 χ^2/NDF: 4917799.5/27

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 339.145+/-0.046 χ^2/NDF: 9460251.3/47

All: 341.838+/-0.033 χ^2/NDF: 19853410.3/98

- sign 344.633+/-0.047 χ^2/NDF: 10386289.9/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

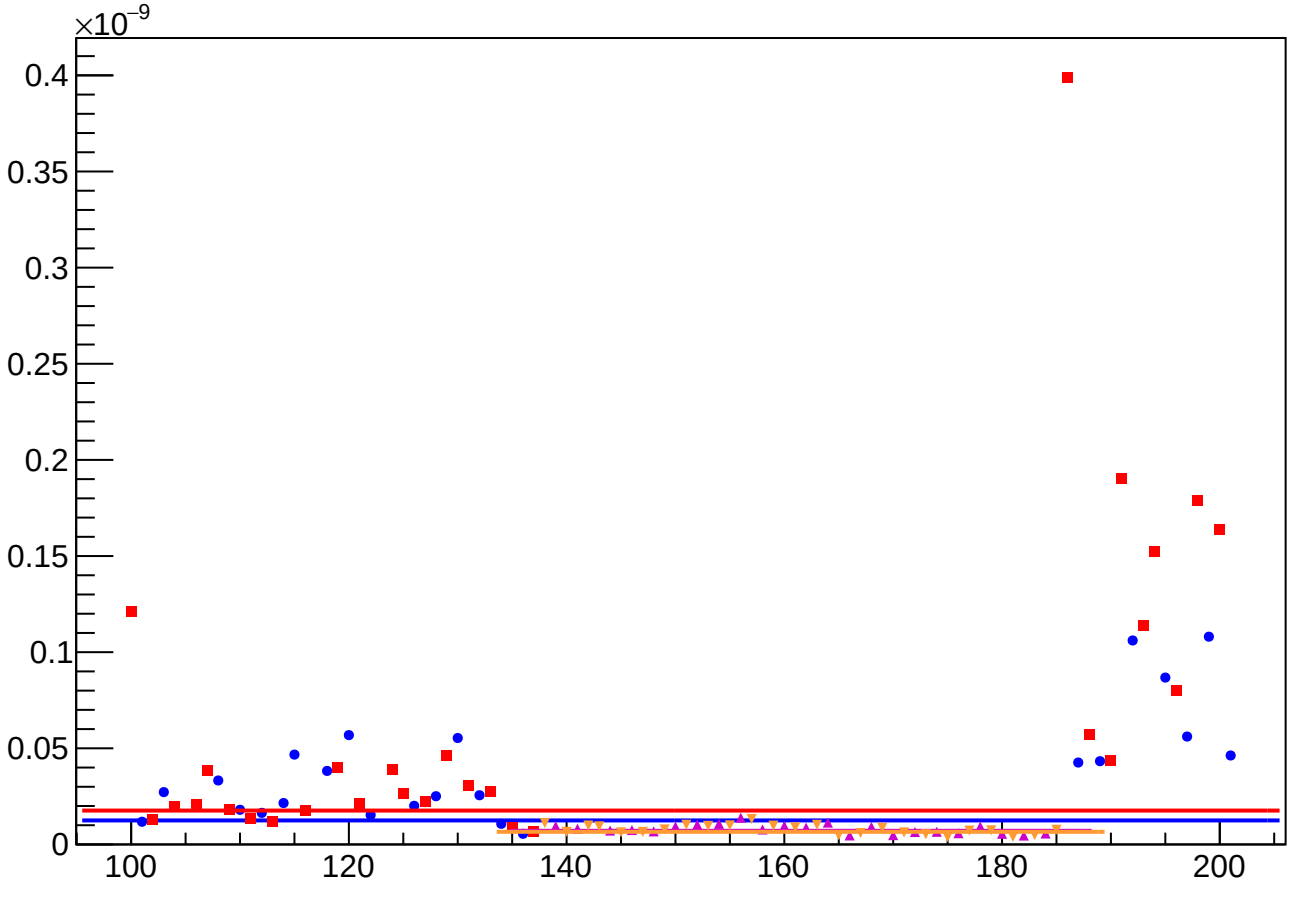
Right Out: -0.000+/-0.000 χ^2/NDF: 35.0/27

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: 99.1/98

- sign 0.000+/-0.000 χ^2/NDF: 58.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 4557011.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

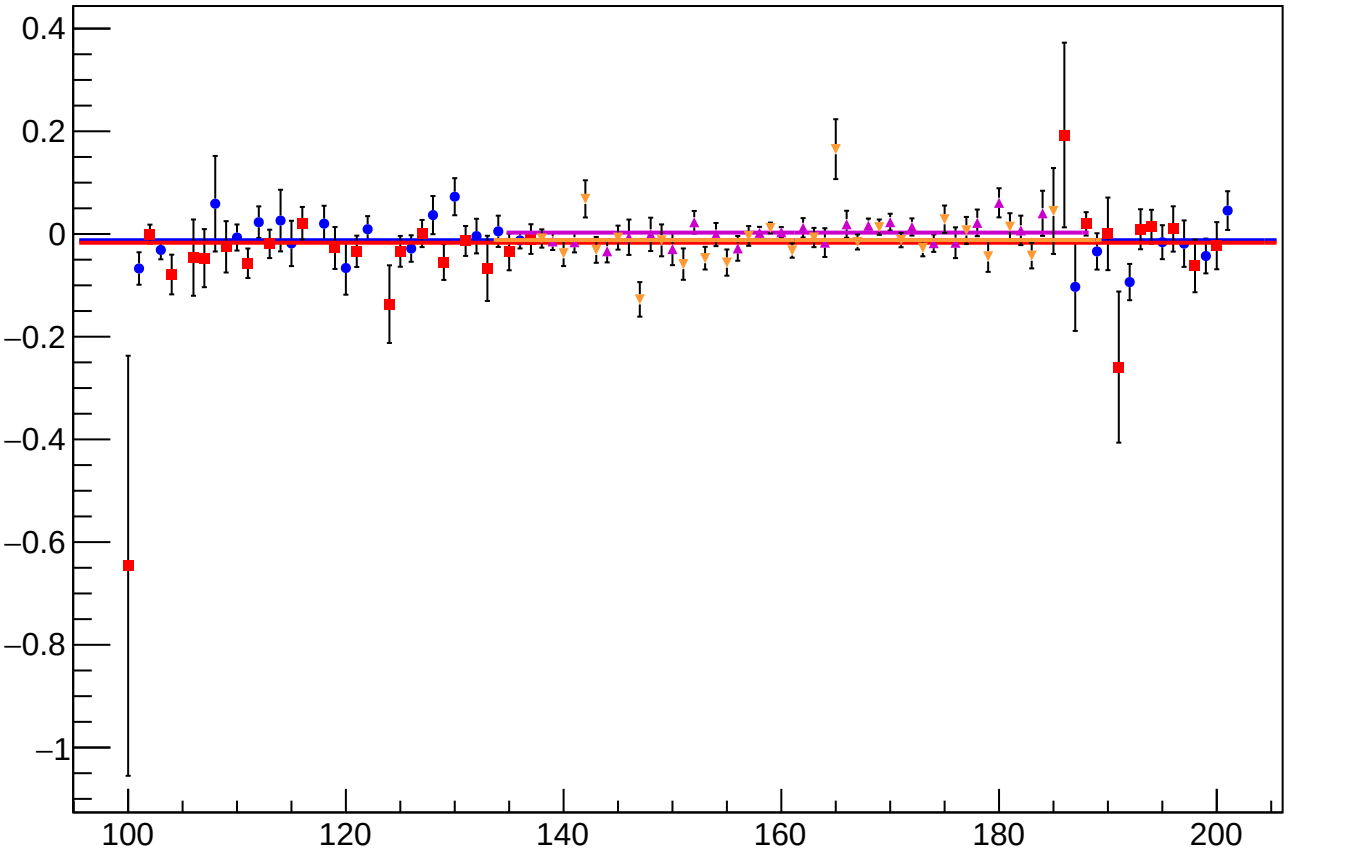
Right Out: 0.000+/-0.000 χ^2/NDF: 4878289.8/27

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: 14996752.4/98

- sign 0.000+/-0.000 χ^2/NDF: 7876060.1/50



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: -0.017+/-0.007 χ^2/NDF: 24.6/27

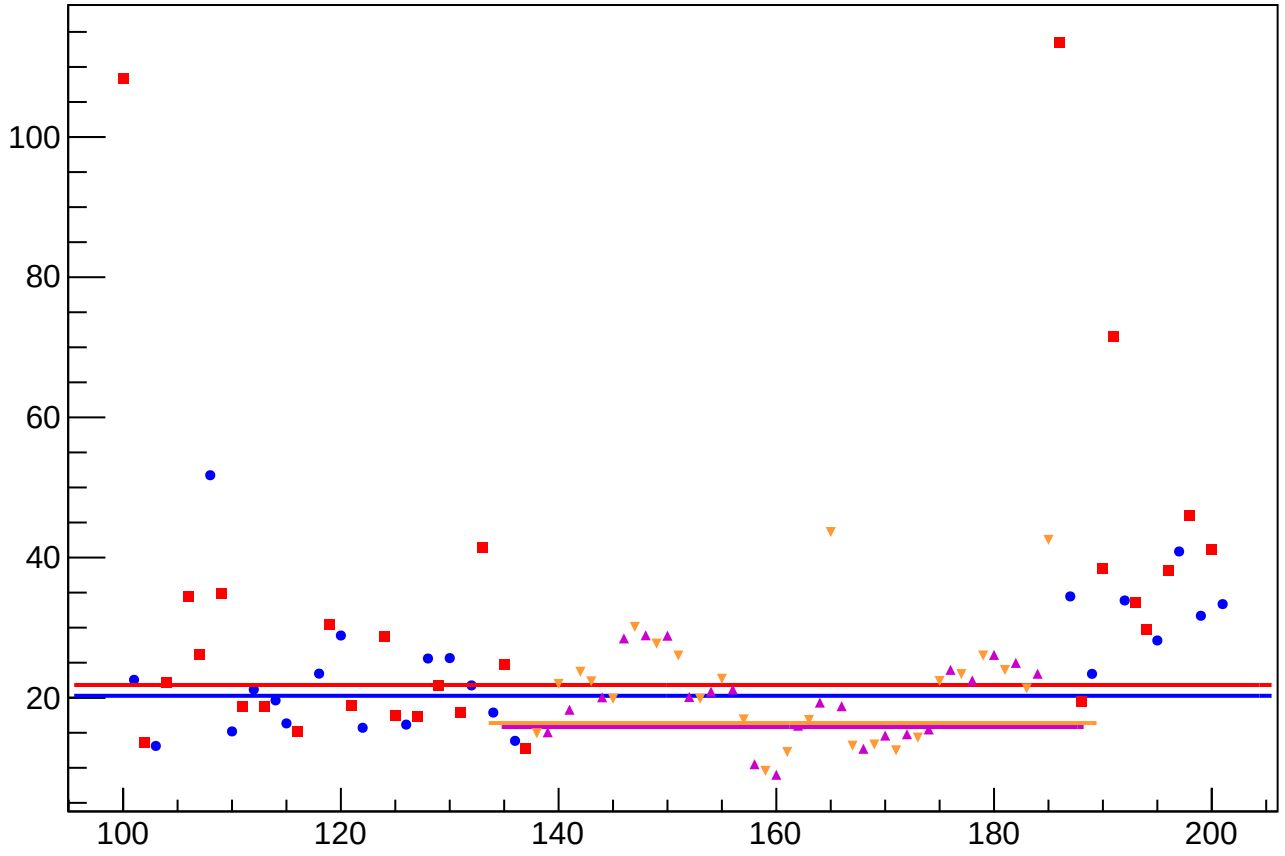
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 80.6/47

All: -0.007+/-0.002 χ^2/NDF: 134.9/98

- sign -0.002+/-0.003 χ^2/NDF: 50.6/50

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

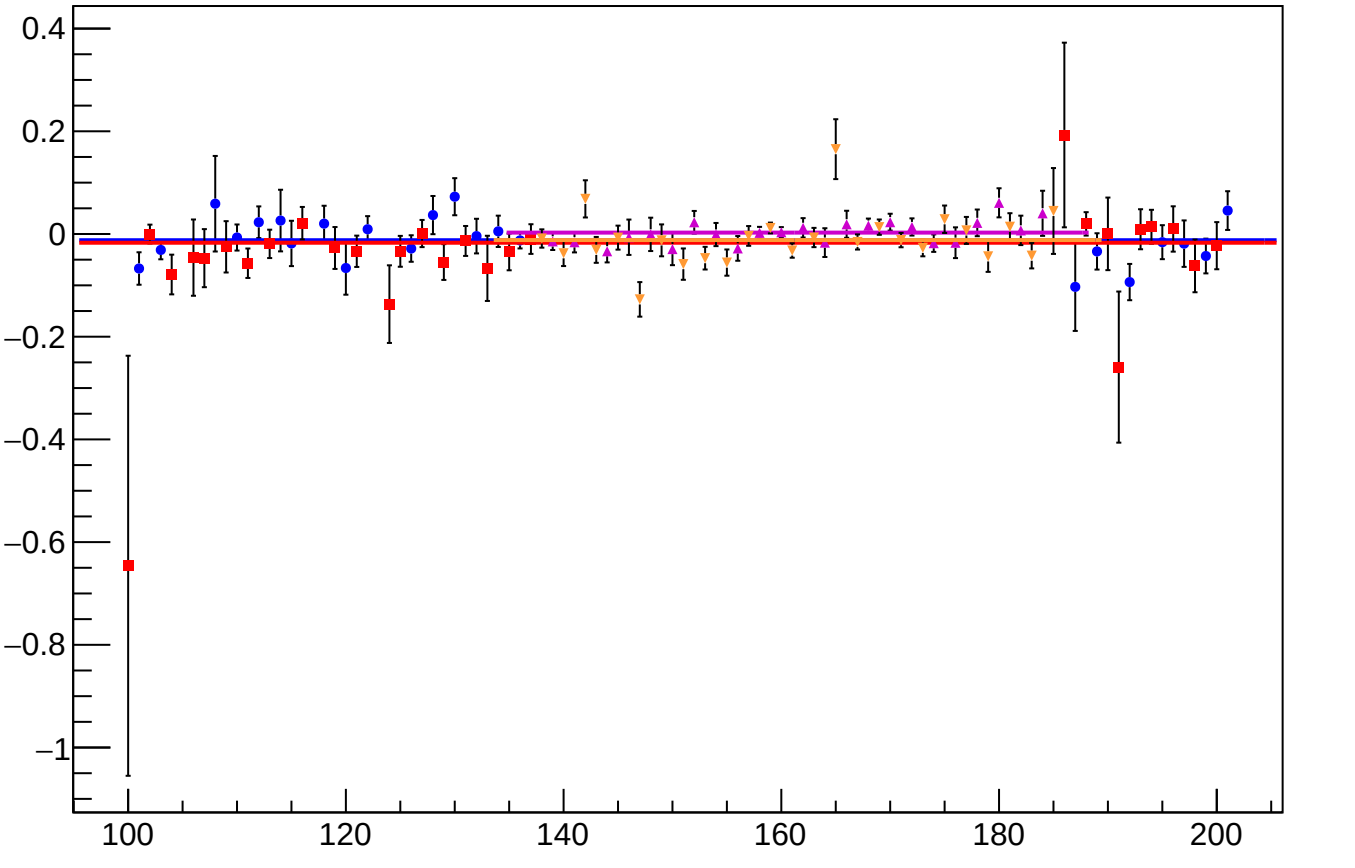
Right Out: 21.816+/-0.005 χ^2/NDF: 3752056.0/27

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 17.492+/-0.002 χ^2/NDF: 7184672.5/47

All: 17.445+/-0.002 χ^2/NDF: 15747636.6/98

\- sign 17.398+/-0.002 χ^2/NDF: 8562213.1/50



Right In: -0.012+/-0.006 χ^2/NDF: 27.1/22

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

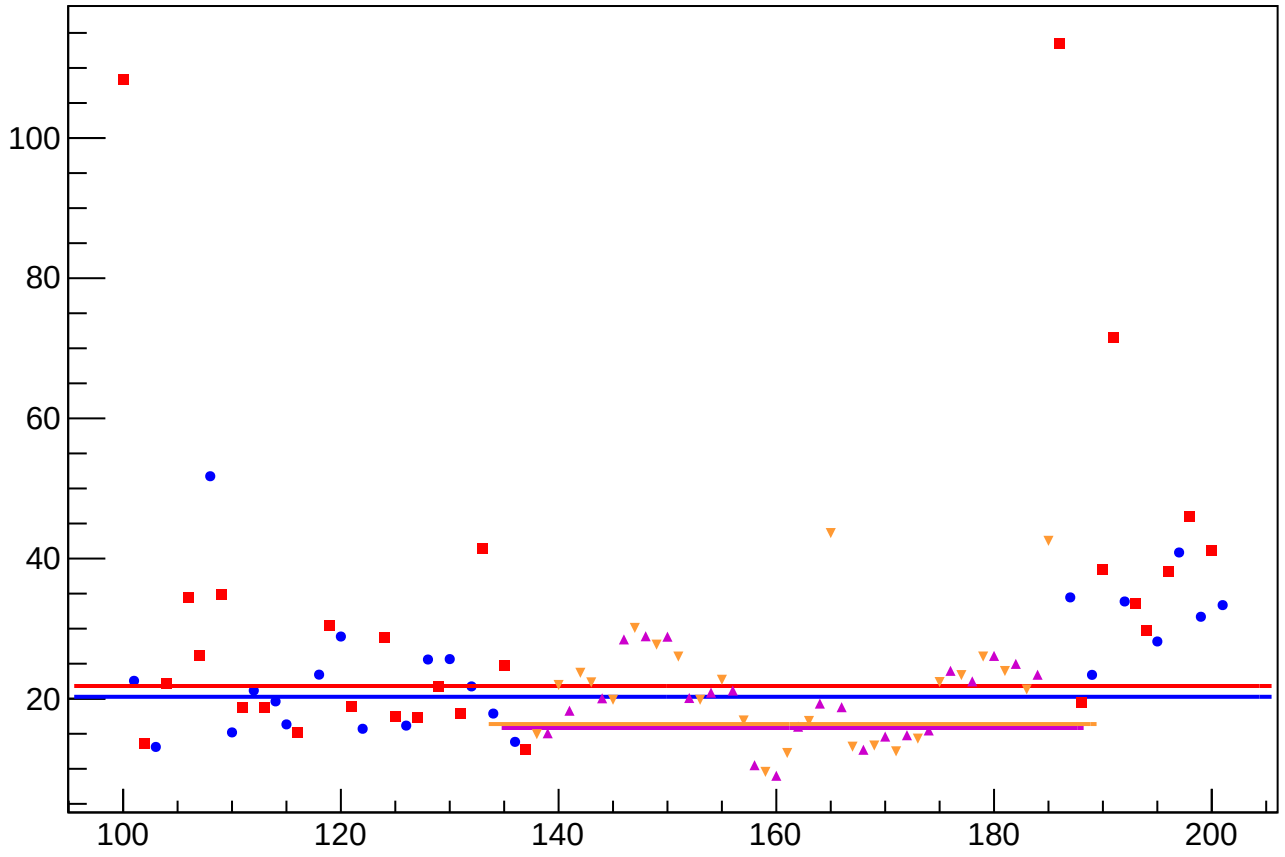
Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/27

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: 134.9/98

- sign -0.002+/-0.003 χ^2/NDF: 50.6/50



Right In: 20.276+/-0.005 χ^2/NDF: 2634976.4/22

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

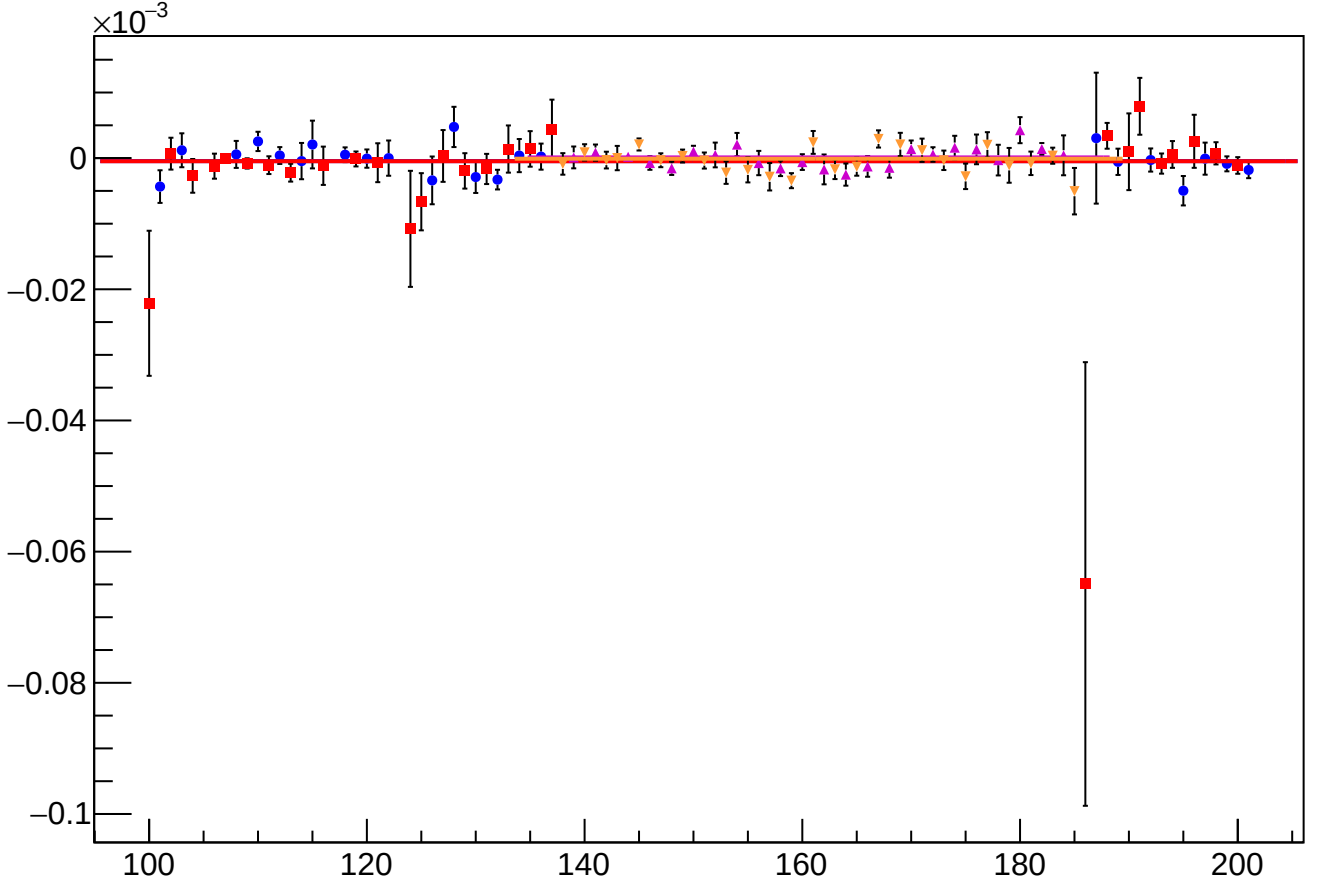
Right Out: 21.816+/-0.005 χ^2/NDF: 3752056.0/27

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.492+/-0.002 χ^2/NDF: 7184672.5/47

All: 17.445+/-0.002 χ^2/NDF: 15747636.6/98

- sign 17.398+/-0.002 χ^2/NDF: 8562213.1/50



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: 26.3/27

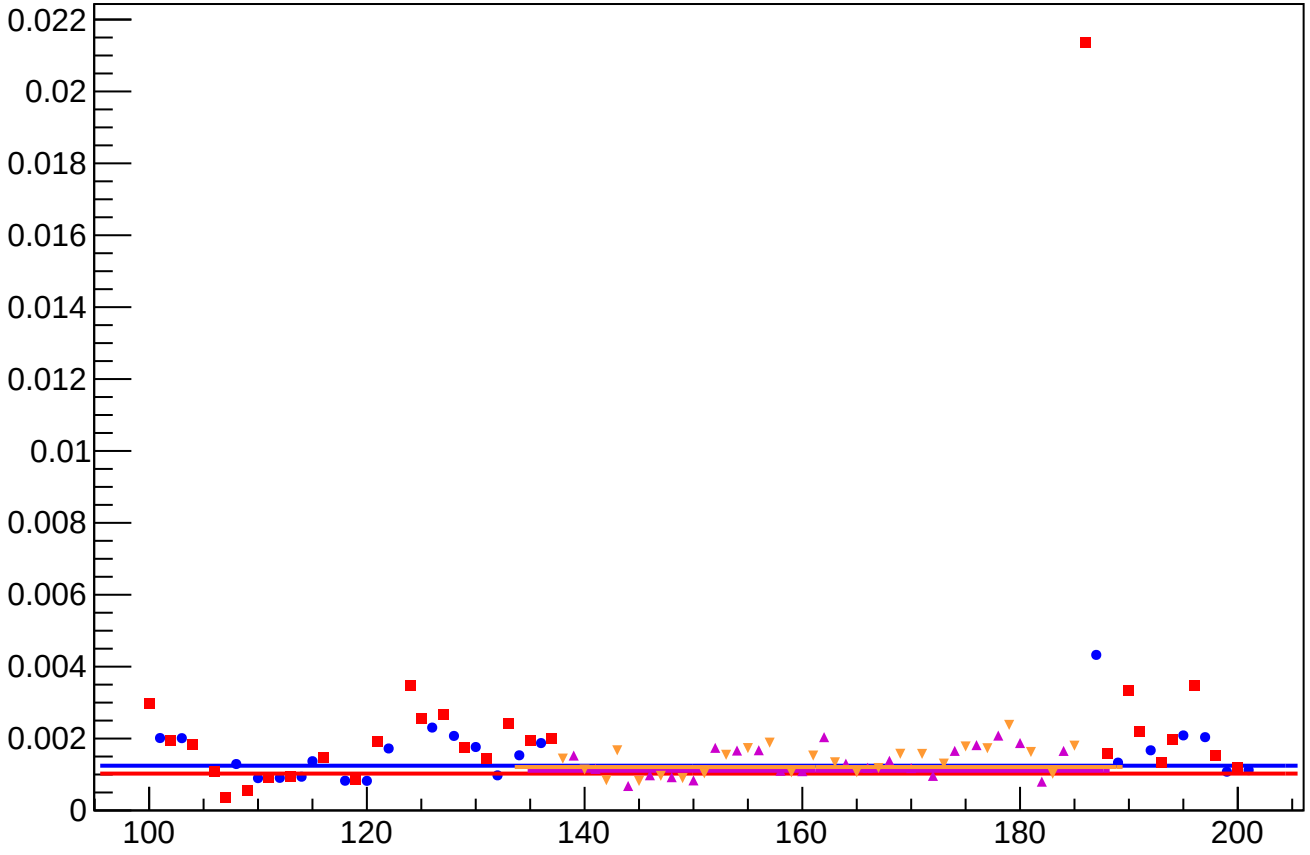
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.6/47

All: -0.000+/-0.000 χ^2/NDF: 109.6/98

- sign -0.000+/-0.000 χ^2/NDF: 50.0/50

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

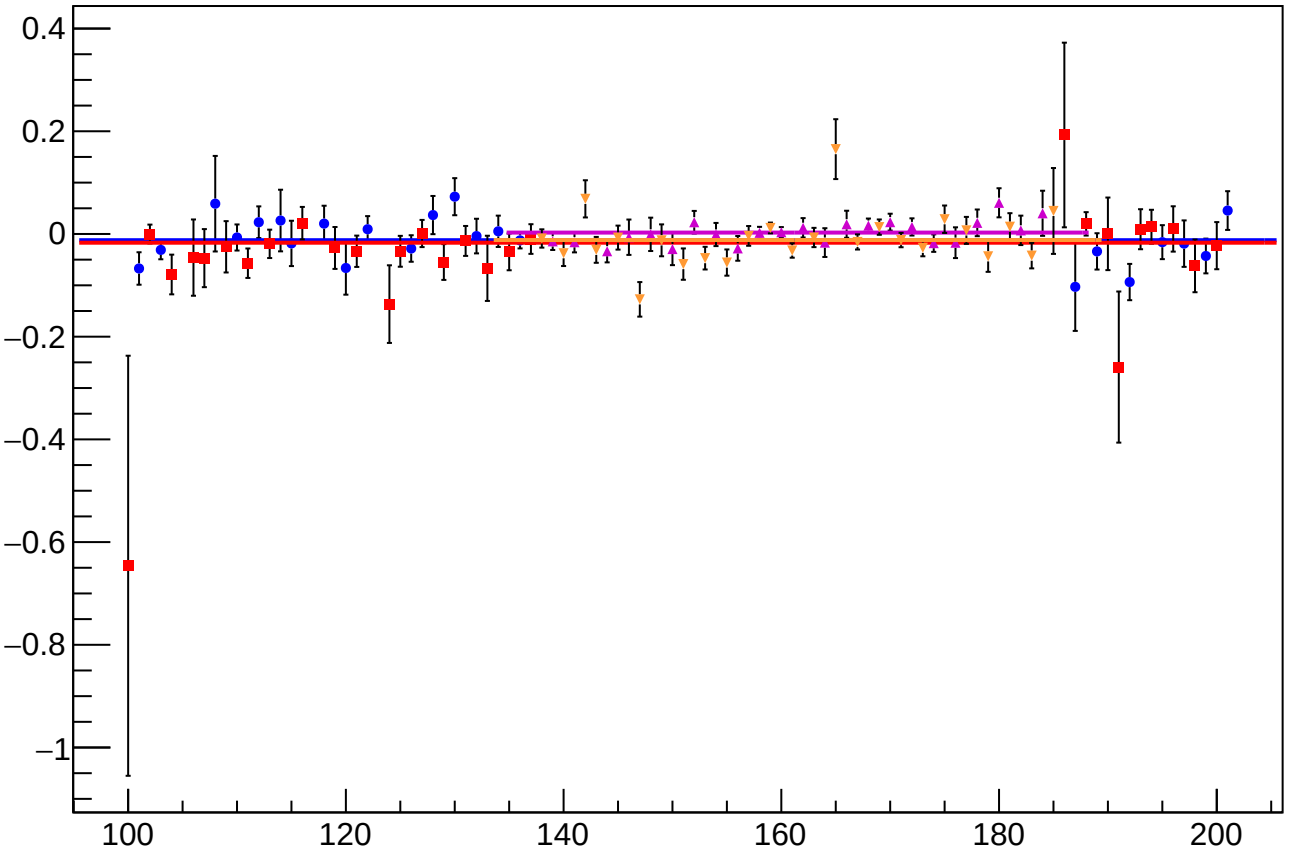
Right Out: 0.001+/-0.000 χ^2/NDF: 7558876.5/27

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: 17036177.9/98

- sign 0.001+/-0.000 χ^2/NDF: 11120184.6/50



Right In: -0.012+/-0.006 χ^2/NDF: 27.1/22

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

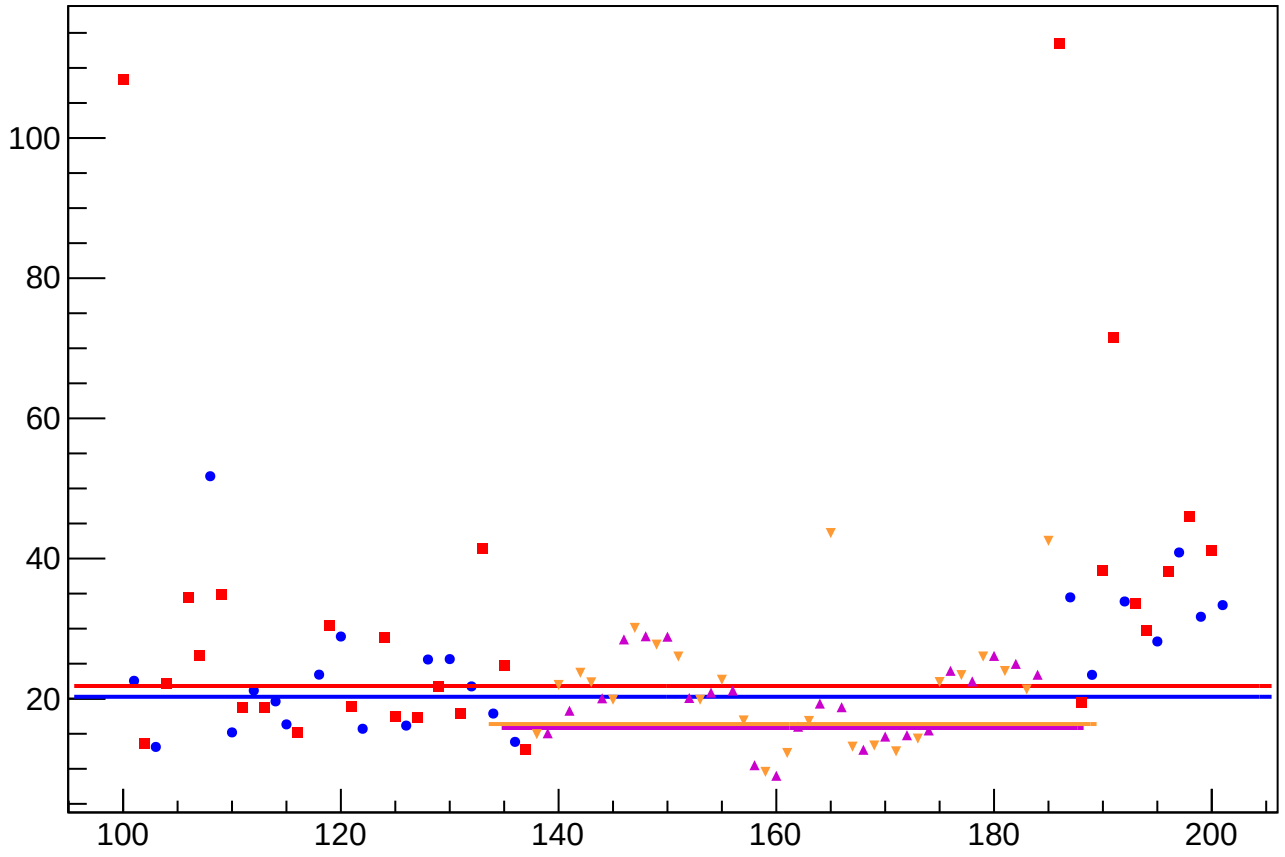
Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/27

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: 134.9/98

- sign -0.002+/-0.003 χ^2/NDF: 50.6/50



Right In: 20.276+/-0.005 χ^2/NDF: 2634989.3/22

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

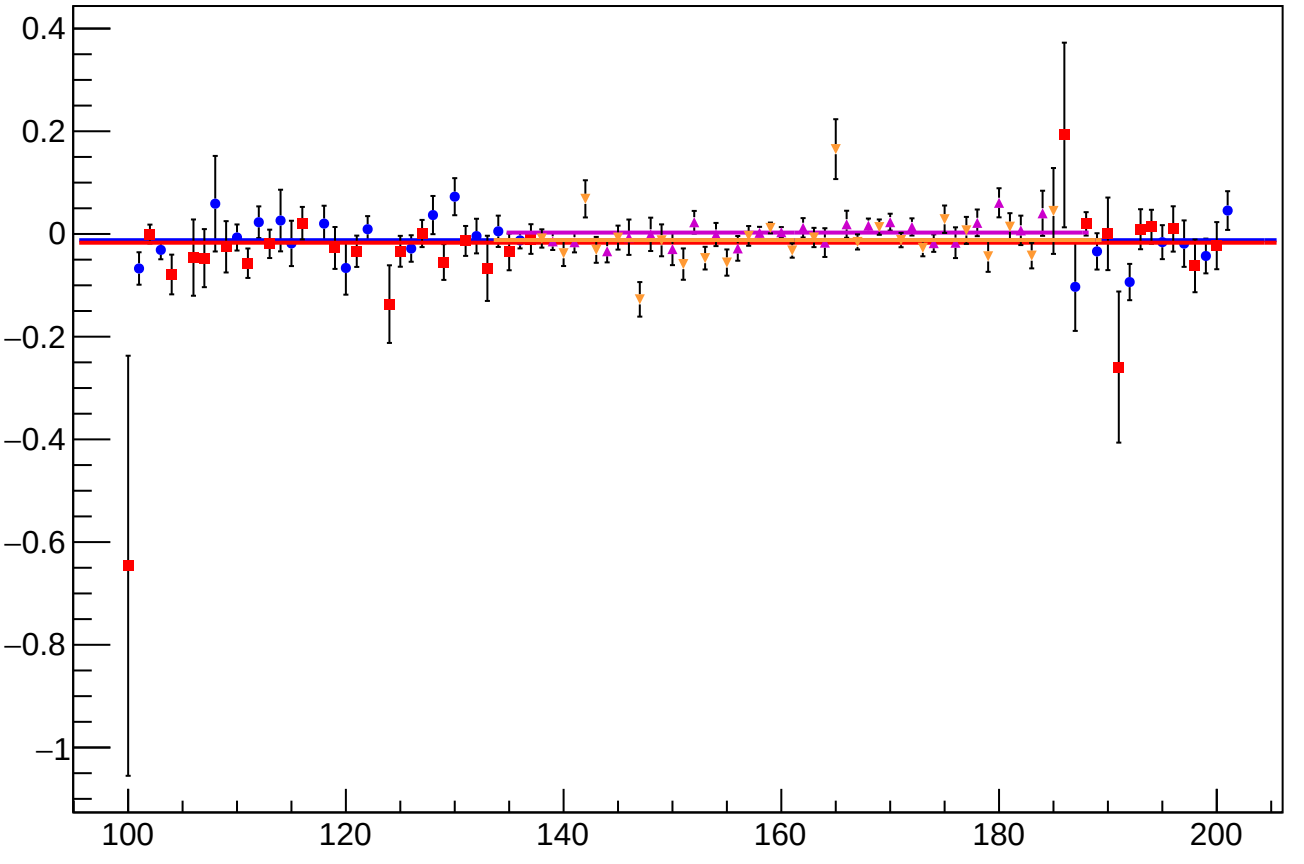
Right Out: 21.817+/-0.005 χ^2/NDF: 3751801.7/27

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.492+/-0.002 χ^2/NDF: 7185005.6/47

All: 17.445+/-0.002 χ^2/NDF: 15748361.0/98

- sign 17.397+/-0.002 χ^2/NDF: 8562604.9/50



Right In: -0.012+/-0.006 χ^2/NDF: 27.1/22

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

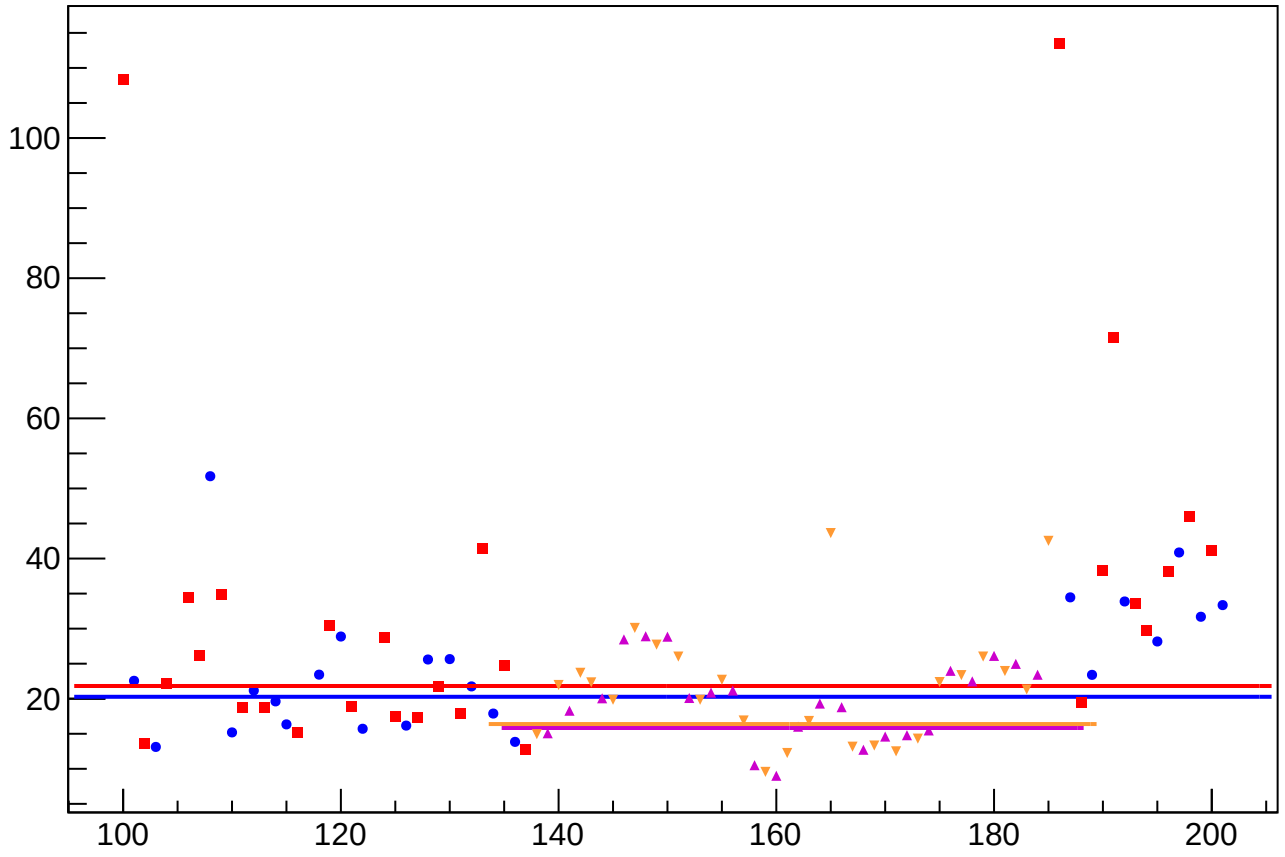
Right Out: -0.017+/-0.007 χ^2/NDF: 24.6/27

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: 134.9/98

- sign -0.002+/-0.003 χ^2/NDF: 50.6/50



Right In: 20.276+/-0.005 χ^2/NDF: 2634989.3/22

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

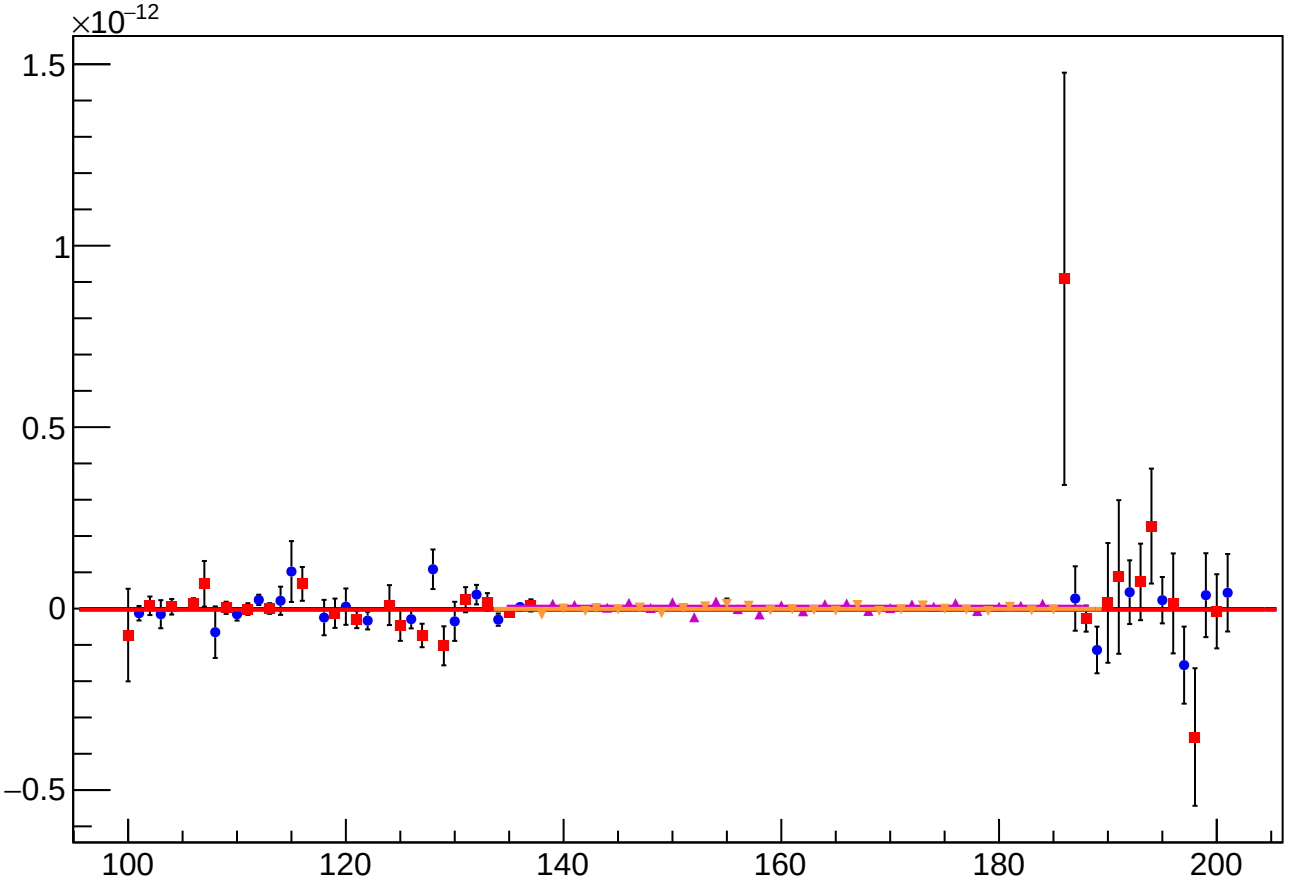
Right Out: 21.817+/-0.005 χ^2/NDF: 3751801.7/27

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.492+/-0.002 χ^2/NDF: 7185005.6/47

All: 17.445+/-0.002 χ^2/NDF: 15748361.0/98

- sign 17.397+/-0.002 χ^2/NDF: 8562604.9/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

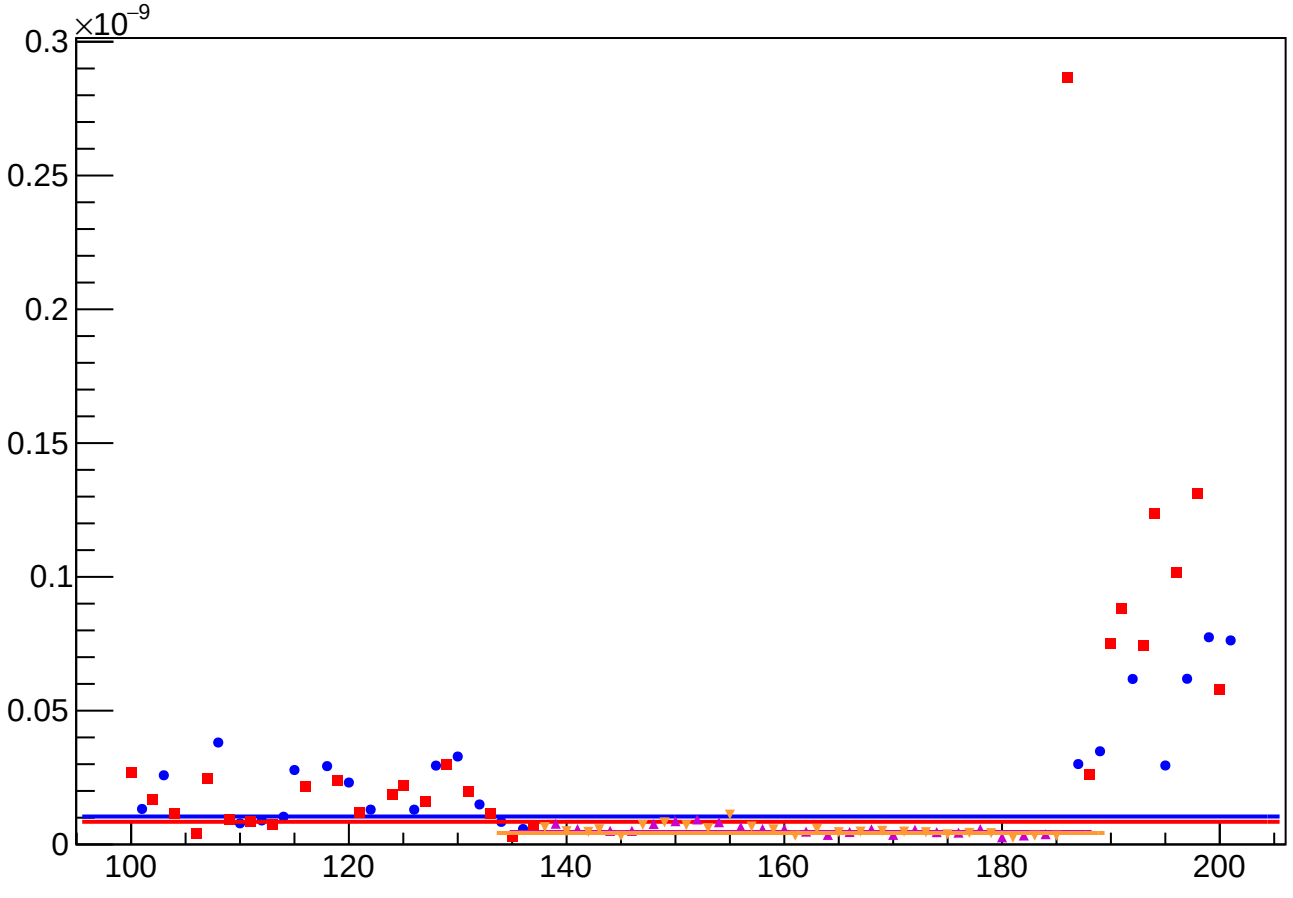
Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/27

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: 123.7/98

- sign 0.000+/-0.000 χ^2/NDF: 69.9/50



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: 8783477.1/27

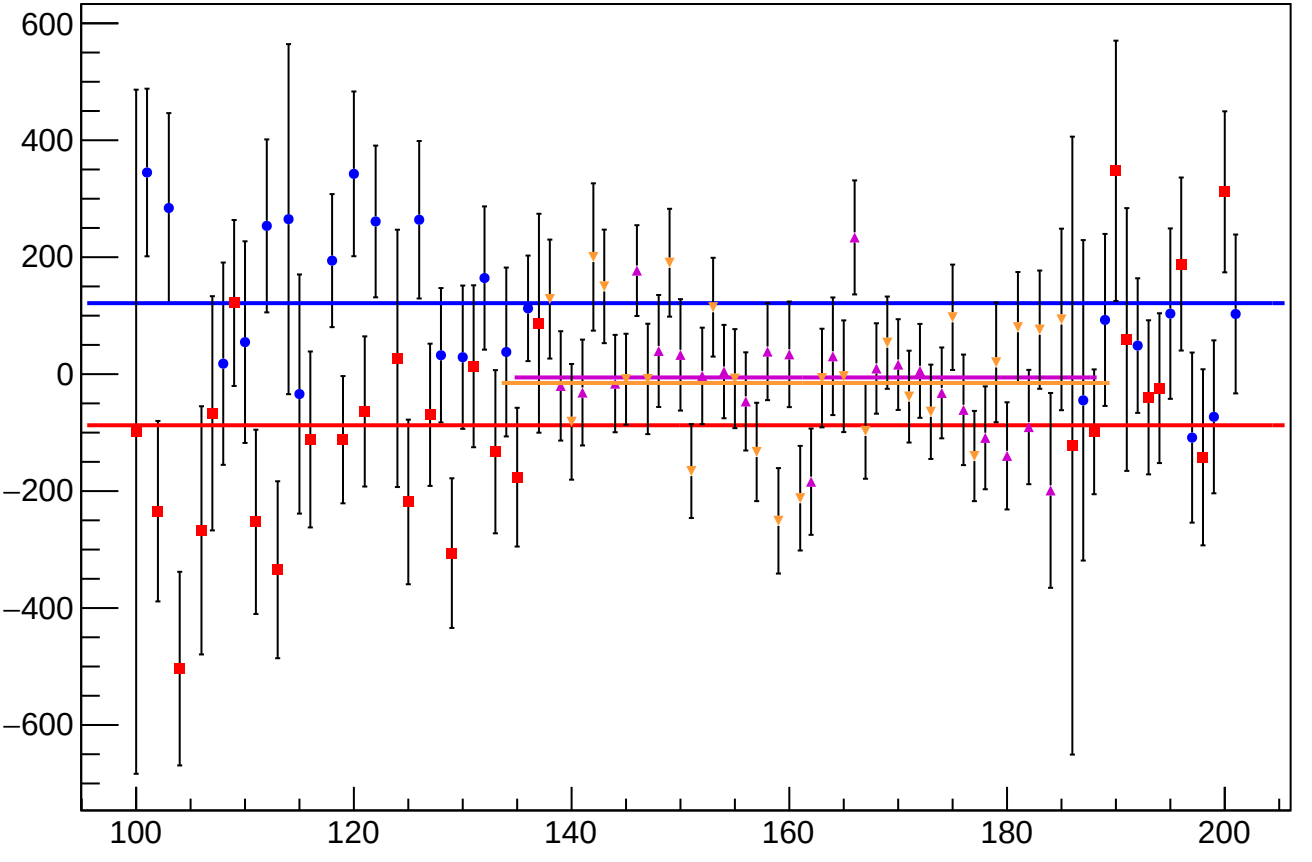
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11279342.0/47

All: 0.000+/-0.000 χ^2/NDF: 23992054.3/98

- sign 0.000+/-0.000 χ^2/NDF: 12641959.9/50

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: -87.424+/-28.321 χ^2/NDF: 36.8/27

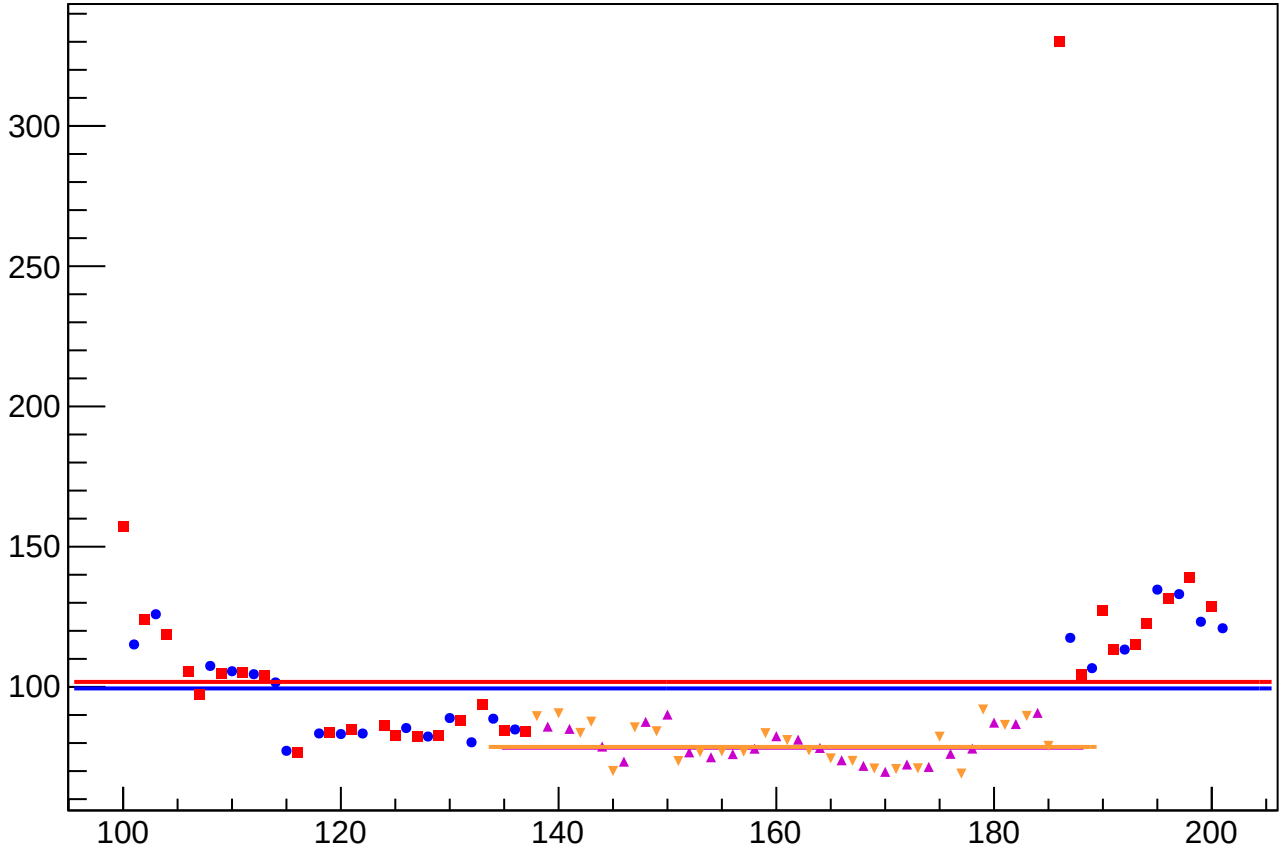
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 22.945+/-15.250 χ^2/NDF: 75.6/47

All: -3.174+/-10.843 χ^2/NDF: 147.2/98

- sign -29.873+/-15.419 χ^2/NDF: 65.7/50

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

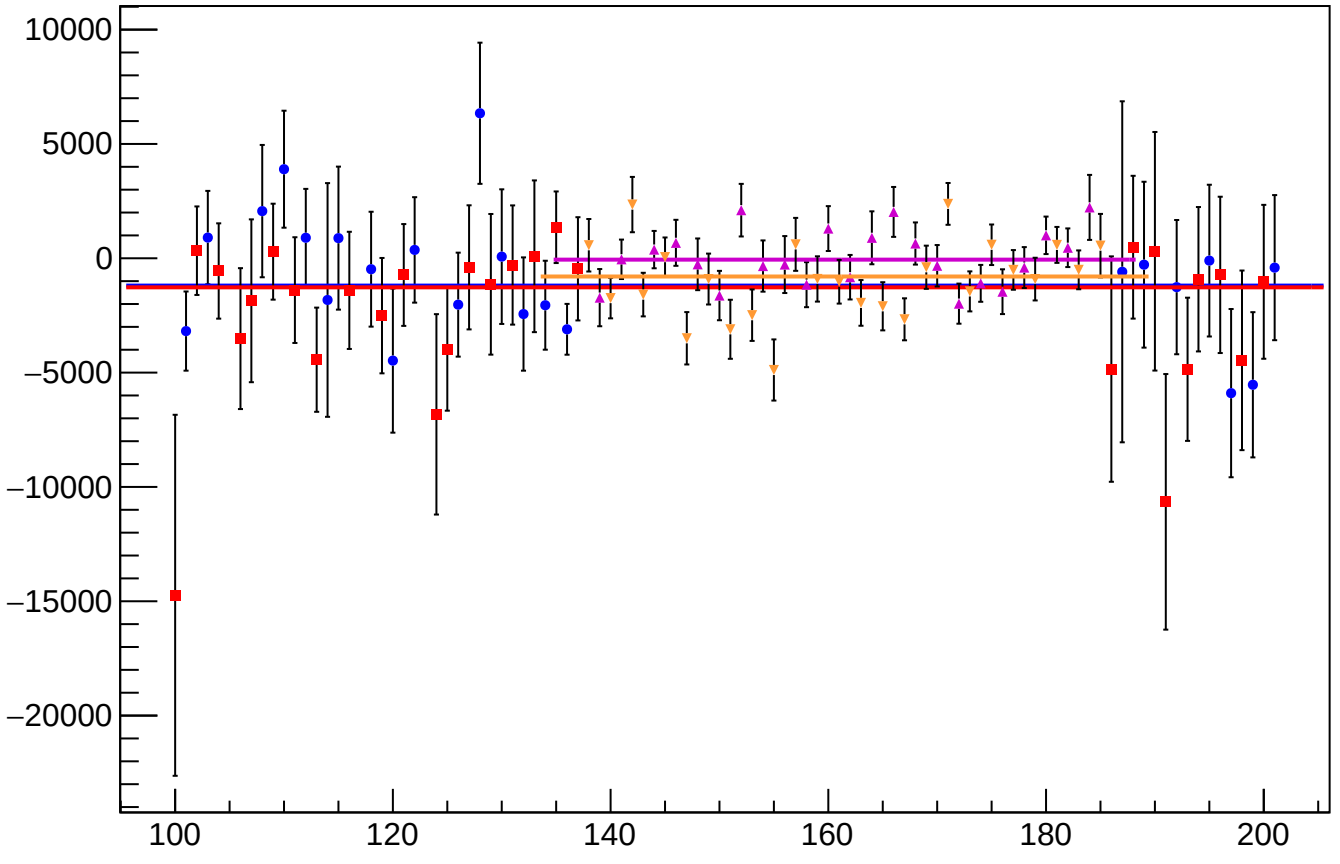
Right Out: 101.795+/-0.020 χ^2/NDF: 1219263.0/27

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.430+/-0.011 χ^2/NDF: 1842358.9/47

All: 84.854+/-0.008 χ^2/NDF: 4239544.1/98

- sign 85.288+/-0.011 χ^2/NDF: 2394052.1/50



Right In: -1194.812+/-507.901 χ^2/NDF: 24.1/22

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

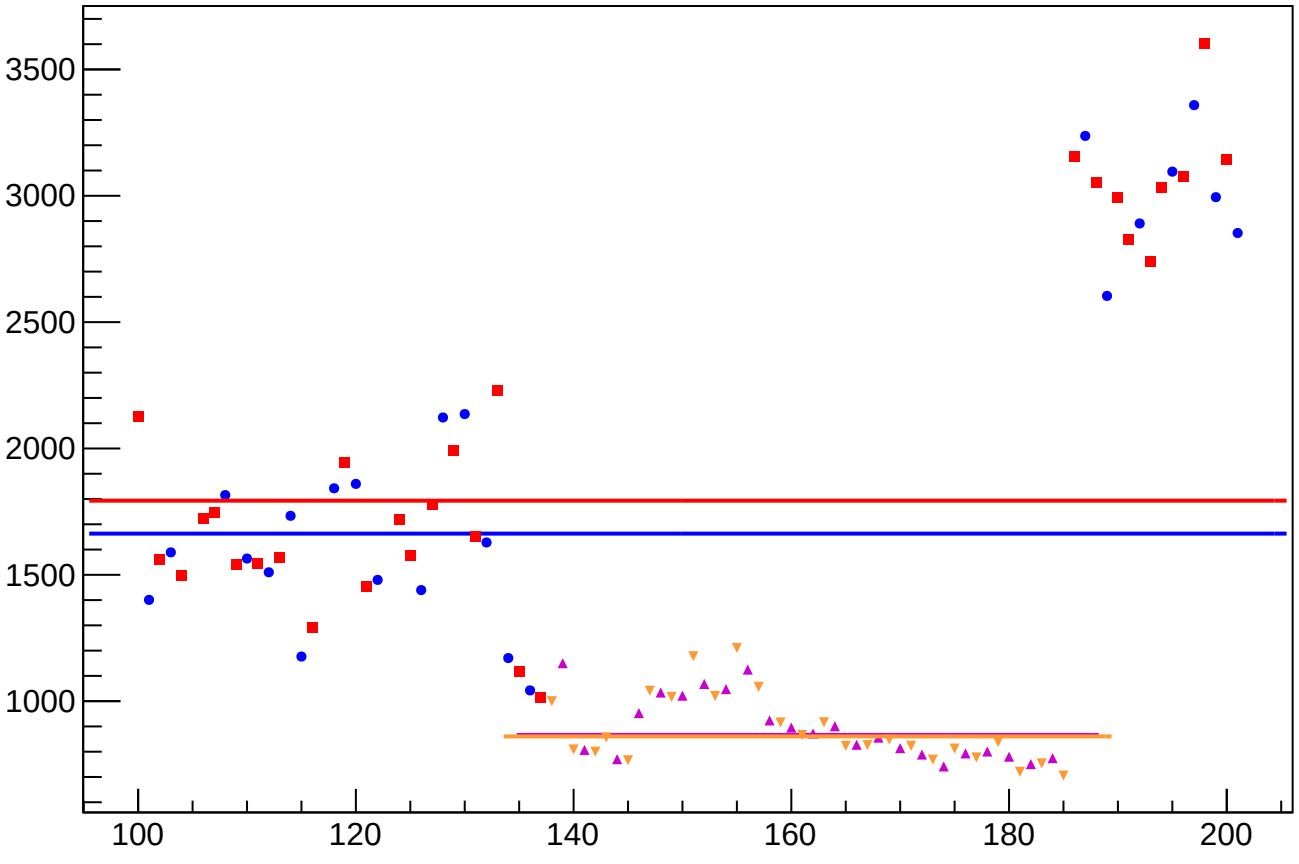
Right Out: -1271.090+/-516.888 χ^2/NDF: 18.8/27

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -849.428+/-184.384 χ^2/NDF: 84.1/47

All: -545.974+/-132.356 χ^2/NDF: 143.7/98

- sign -223.388+/-190.107 χ^2/NDF: 54.0/50



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: 1793.493+/-0.365 χ^2/NDF: 3121779.9/27

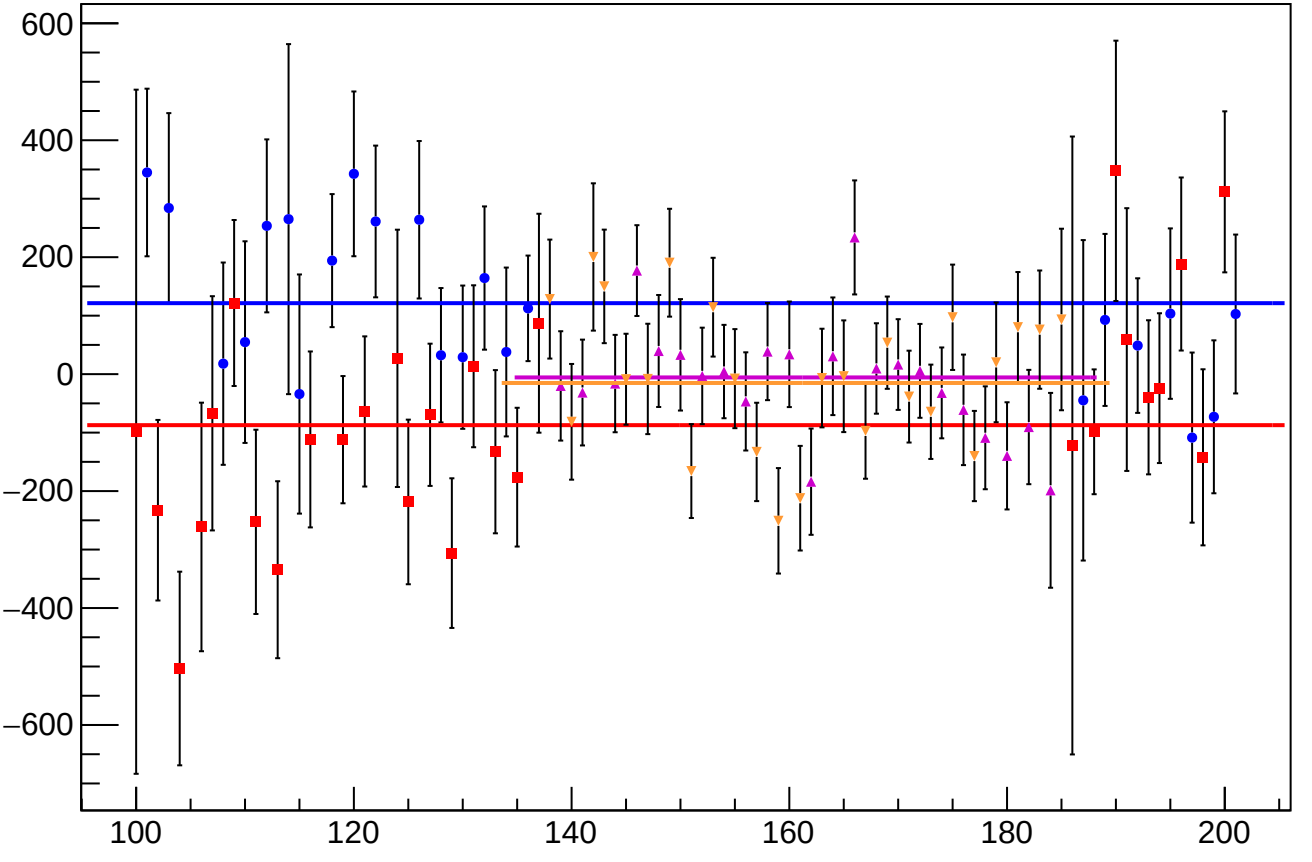
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 966.270+/-0.130 χ^2/NDF: 8053121.8/47

All: 978.629+/-0.094 χ^2/NDF: 17370969.4/98

- sign 991.767+/-0.134 χ^2/NDF: 9299309.8/50

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: -87.246+/-28.323 χ^2/NDF: 36.7/27

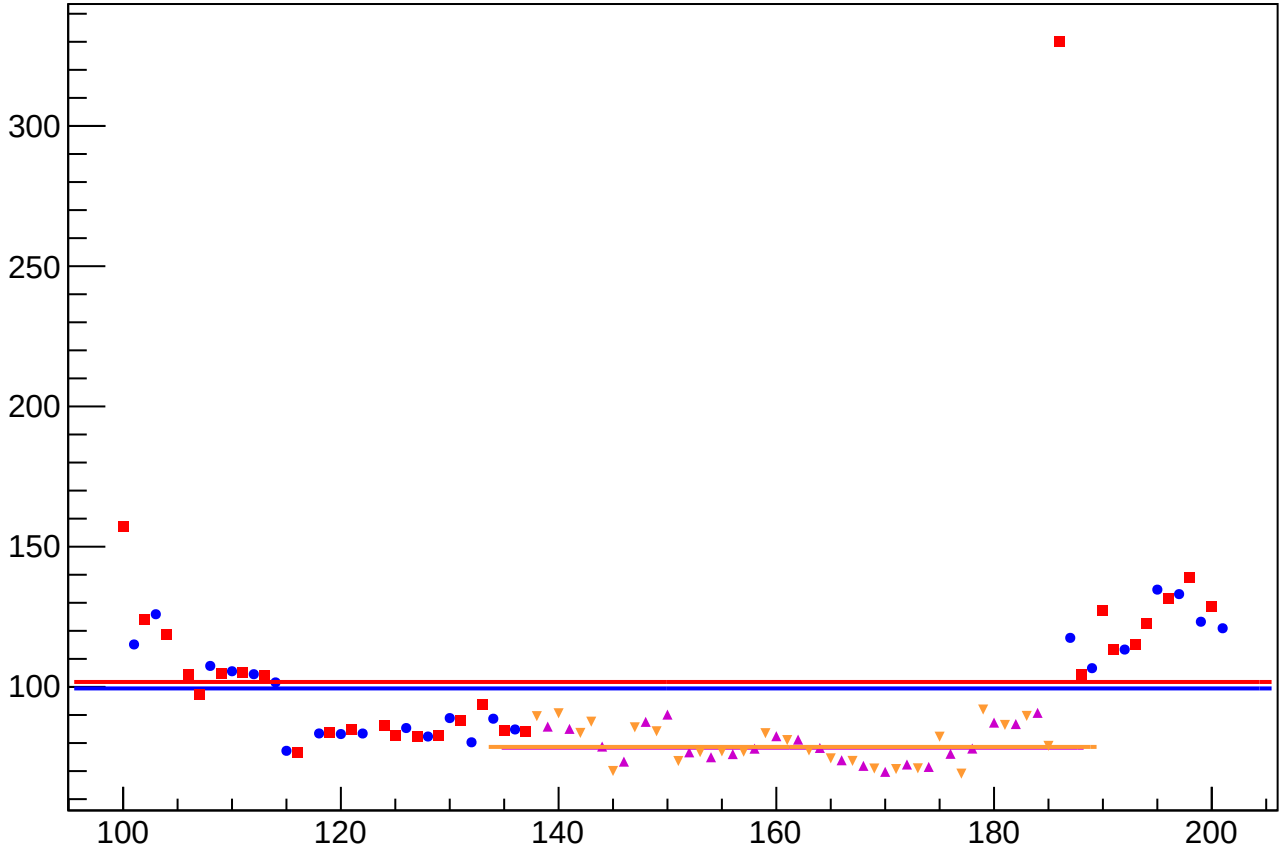
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.945+/-15.250 χ^2/NDF: 75.6/47

All: -3.145+/-10.843 χ^2/NDF: 147.1/98

- sign -29.816+/-15.419 χ^2/NDF: 65.6/50

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

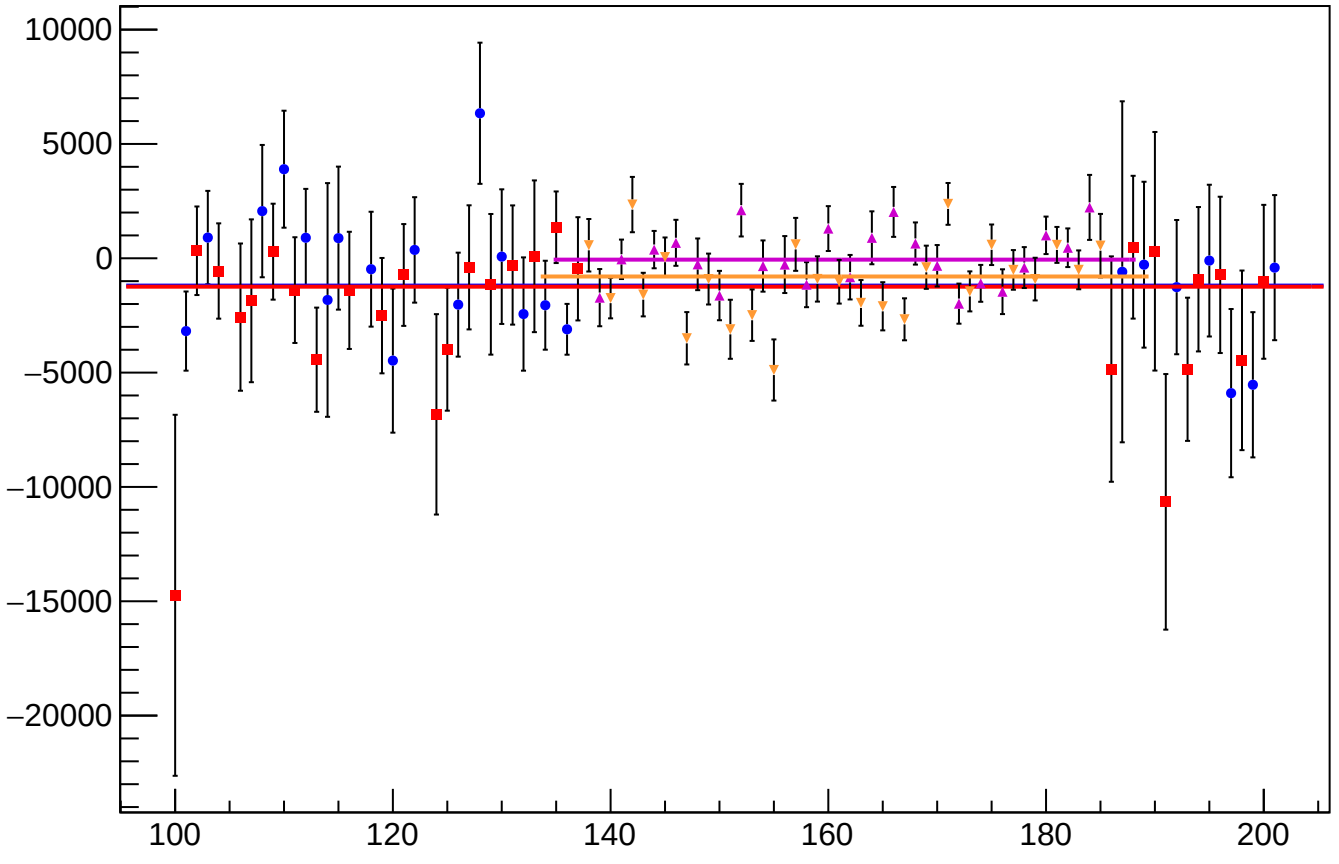
Right Out: 101.773+/-0.020 χ^2/NDF: 1219070.1/27

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.430+/-0.011 χ^2/NDF: 1842360.8/47

All: 84.851+/-0.008 χ^2/NDF: 4237448.3/98

- sign 85.281+/-0.011 χ^2/NDF: 2392004.5/50



Right In: -1194.793+/-507.902 χ^2/NDF: 24.1/22

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

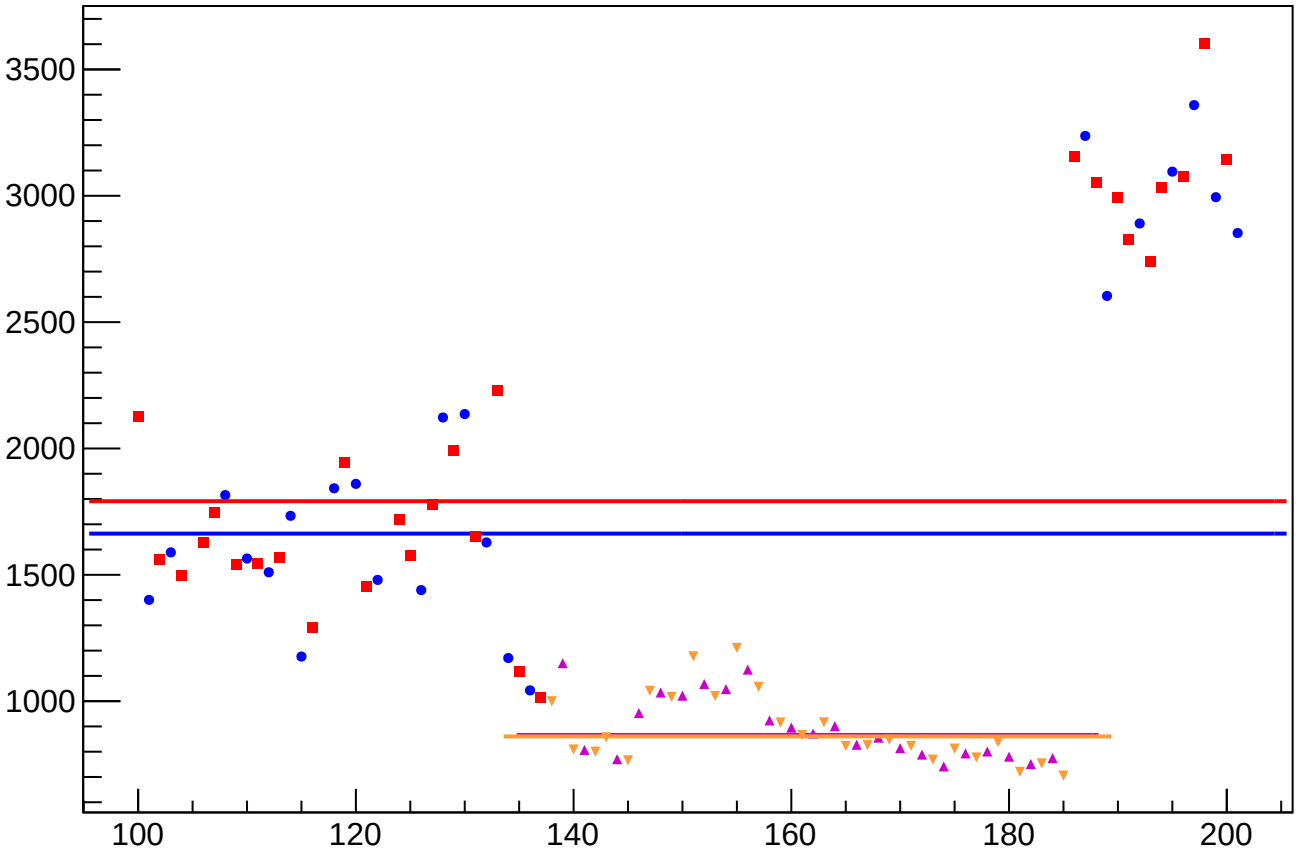
Right Out: -1241.817+/-517.516 χ^2/NDF: 18.4/27

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -849.425+/-184.384 χ^2/NDF: 84.1/47

All: -543.942+/-132.367 χ^2/NDF: 143.1/98

- sign -219.093+/-190.139 χ^2/NDF: 53.4/50



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: 1791.292+/-0.366 χ^2/NDF: 3125753.0/27

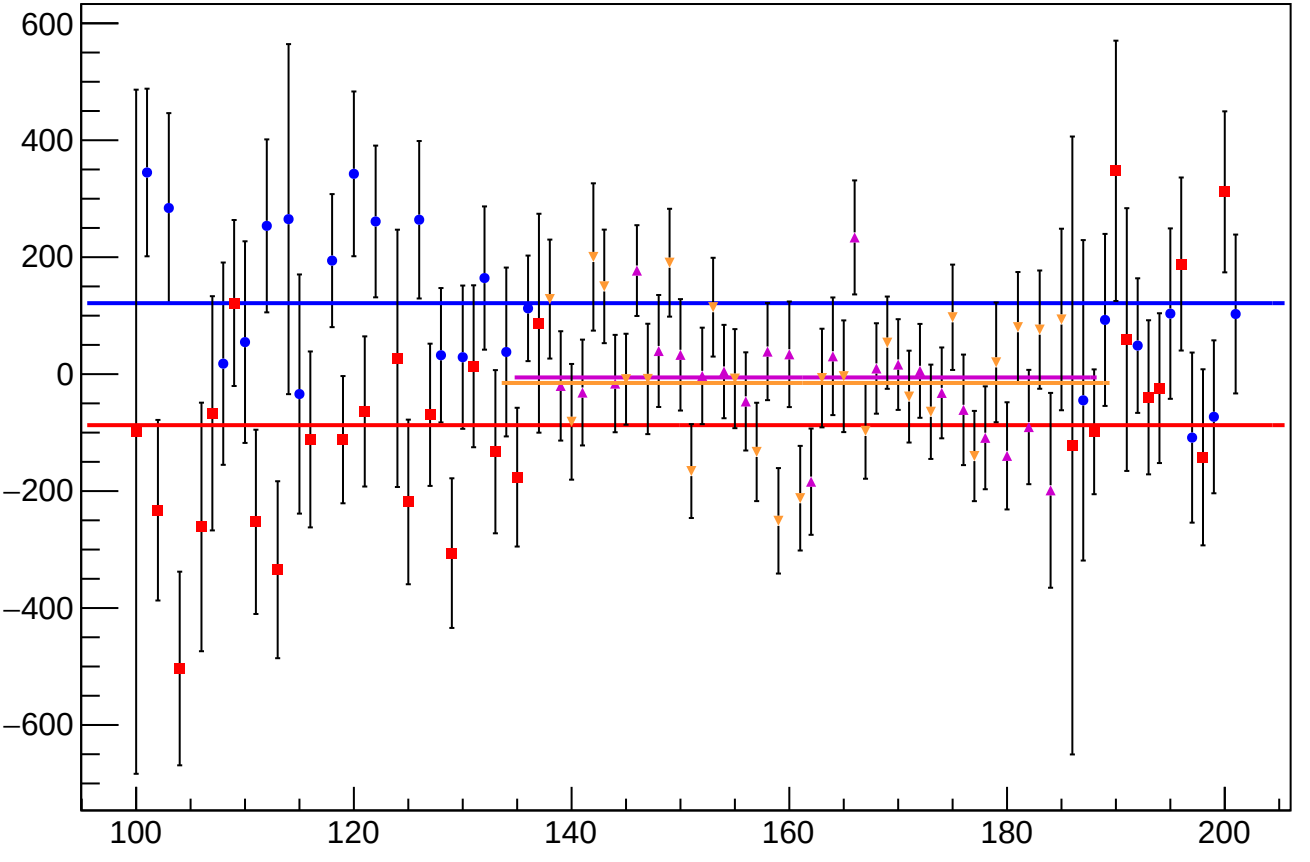
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 966.270+/-0.130 χ^2/NDF: 8053142.3/47

All: 978.355+/-0.094 χ^2/NDF: 17336143.6/98

- sign 991.207+/-0.134 χ^2/NDF: 9265271.9/50

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: -87.246+/-28.323 χ^2/NDF: 36.7/27

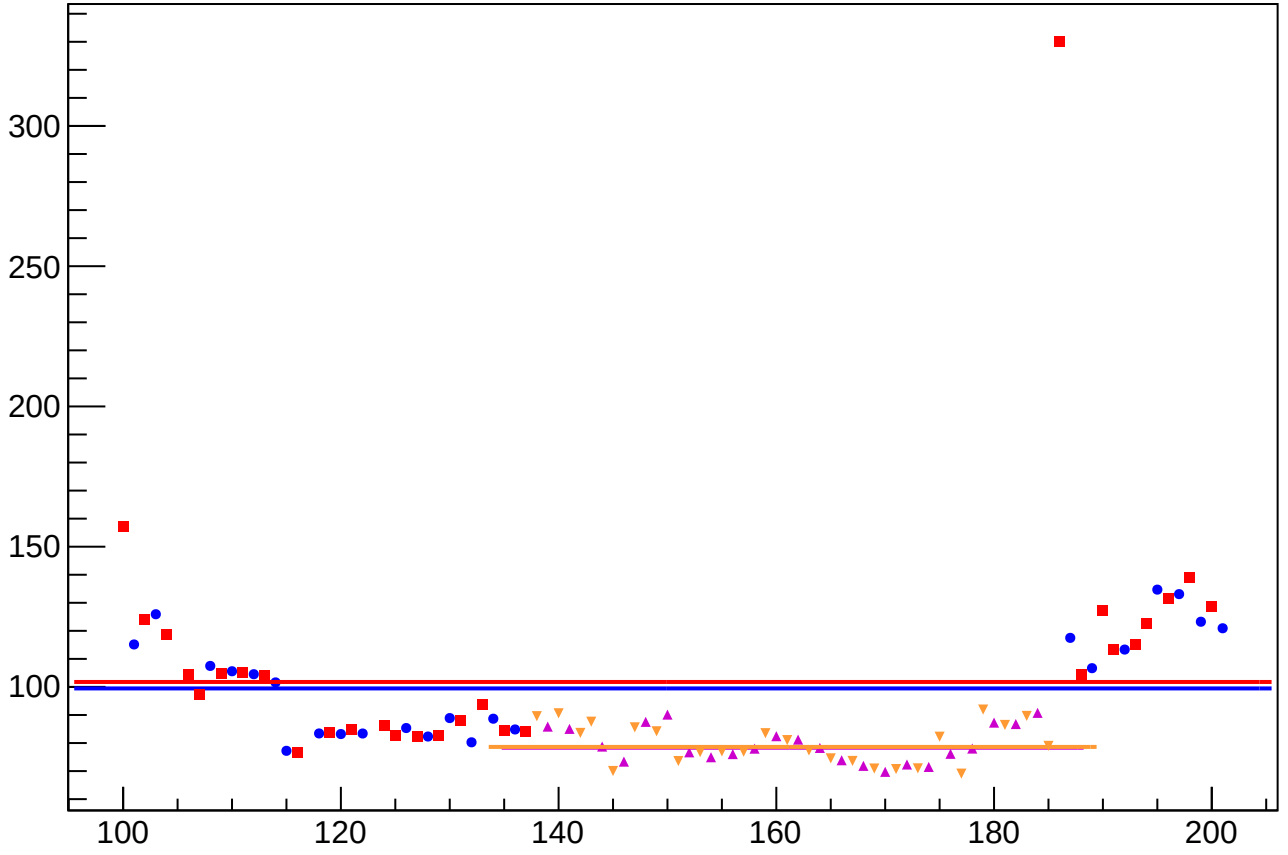
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.945+/-15.250 χ^2/NDF: 75.6/47

All: -3.145+/-10.843 χ^2/NDF: 147.1/98

- sign -29.816+/-15.419 χ^2/NDF: 65.6/50

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

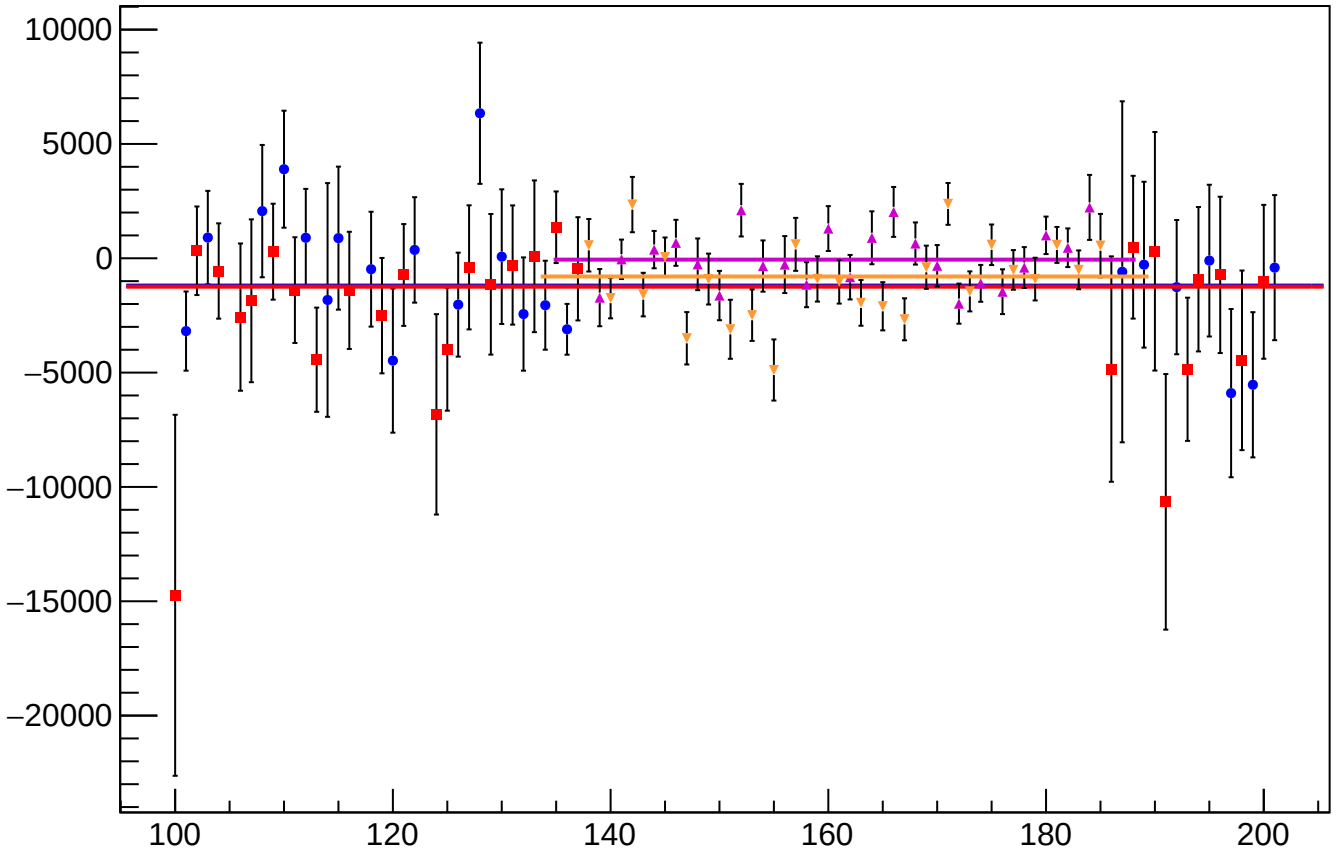
Right Out: 101.773+/-0.020 χ^2/NDF: 1219070.1/27

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.430+/-0.011 χ^2/NDF: 1842360.8/47

All: 84.851+/-0.008 χ^2/NDF: 4237448.3/98

- sign 85.281+/-0.011 χ^2/NDF: 2392004.5/50



Right In: -1194.793+/-507.902 χ^2/NDF: 24.1/22

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

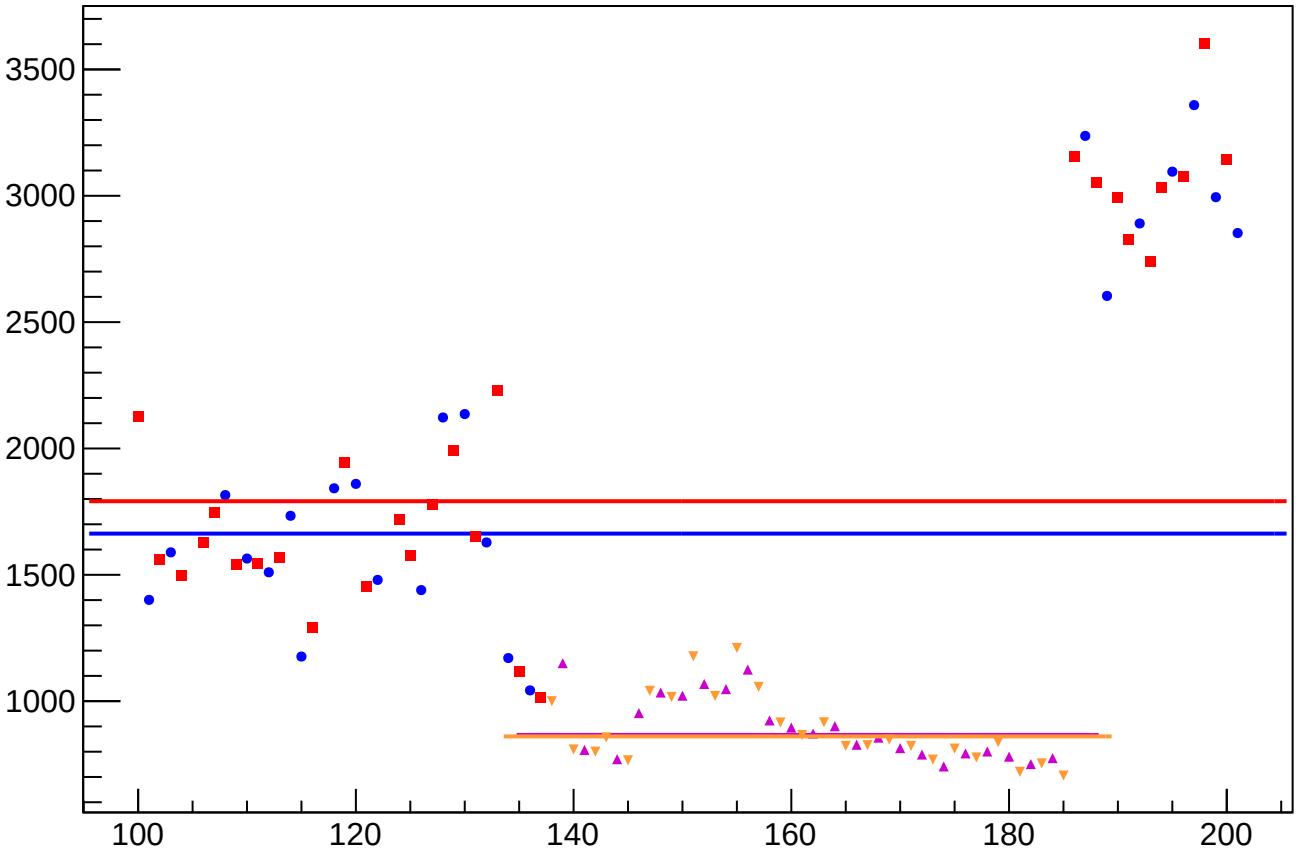
Right Out: -1241.817+/-517.516 χ^2/NDF: 18.4/27

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -849.425+/-184.384 χ^2/NDF: 84.1/47

All: -543.942+/-132.367 χ^2/NDF: 143.1/98

- sign -219.093+/-190.139 χ^2/NDF: 53.4/50



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: 1791.292+/-0.366 χ^2/NDF: 3125753.0/27

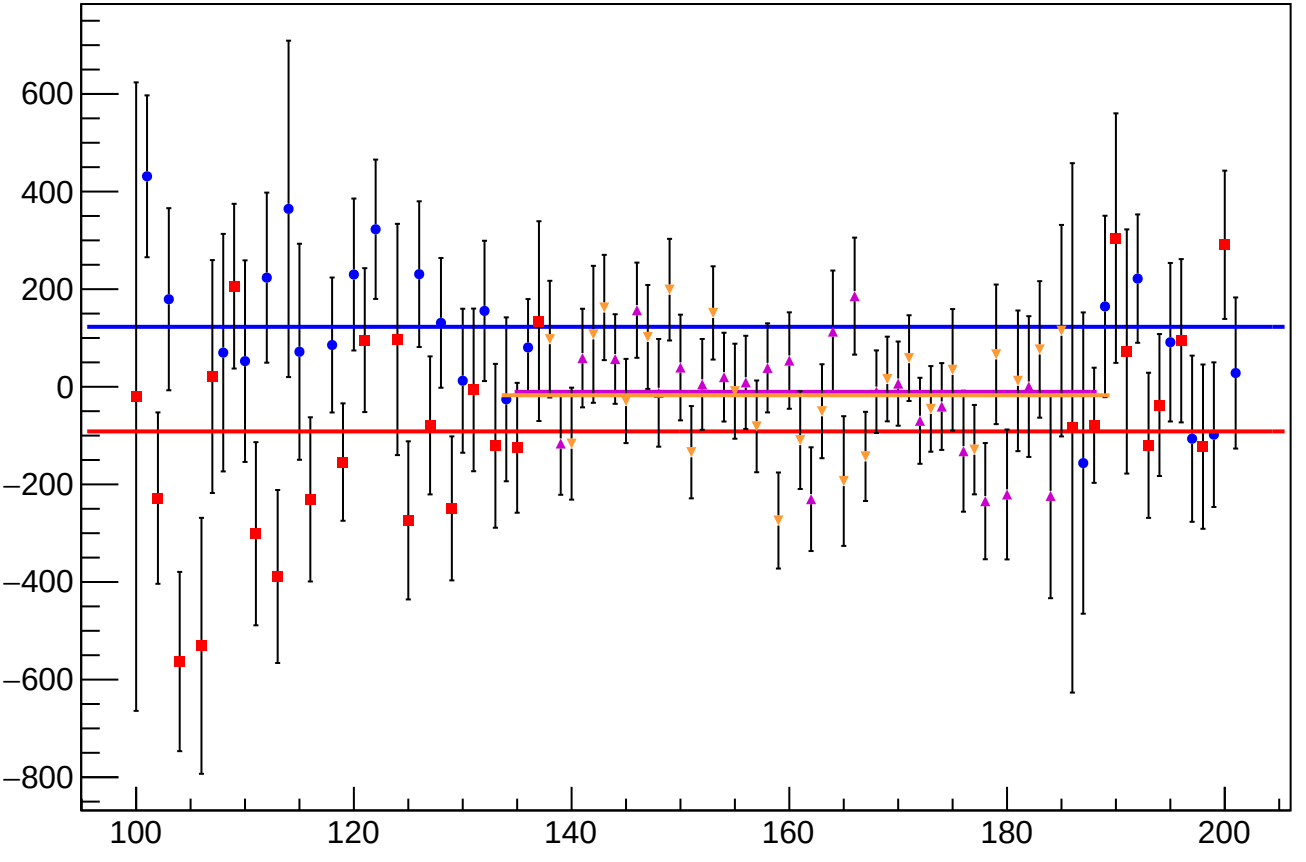
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 966.270+/-0.130 χ^2/NDF: 8053142.3/47

All: 978.355+/-0.094 χ^2/NDF: 17336143.6/98

- sign 991.207+/-0.134 χ^2/NDF: 9265271.9/50

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: -91.448+/-32.282 χ^2/NDF: 35.2/27

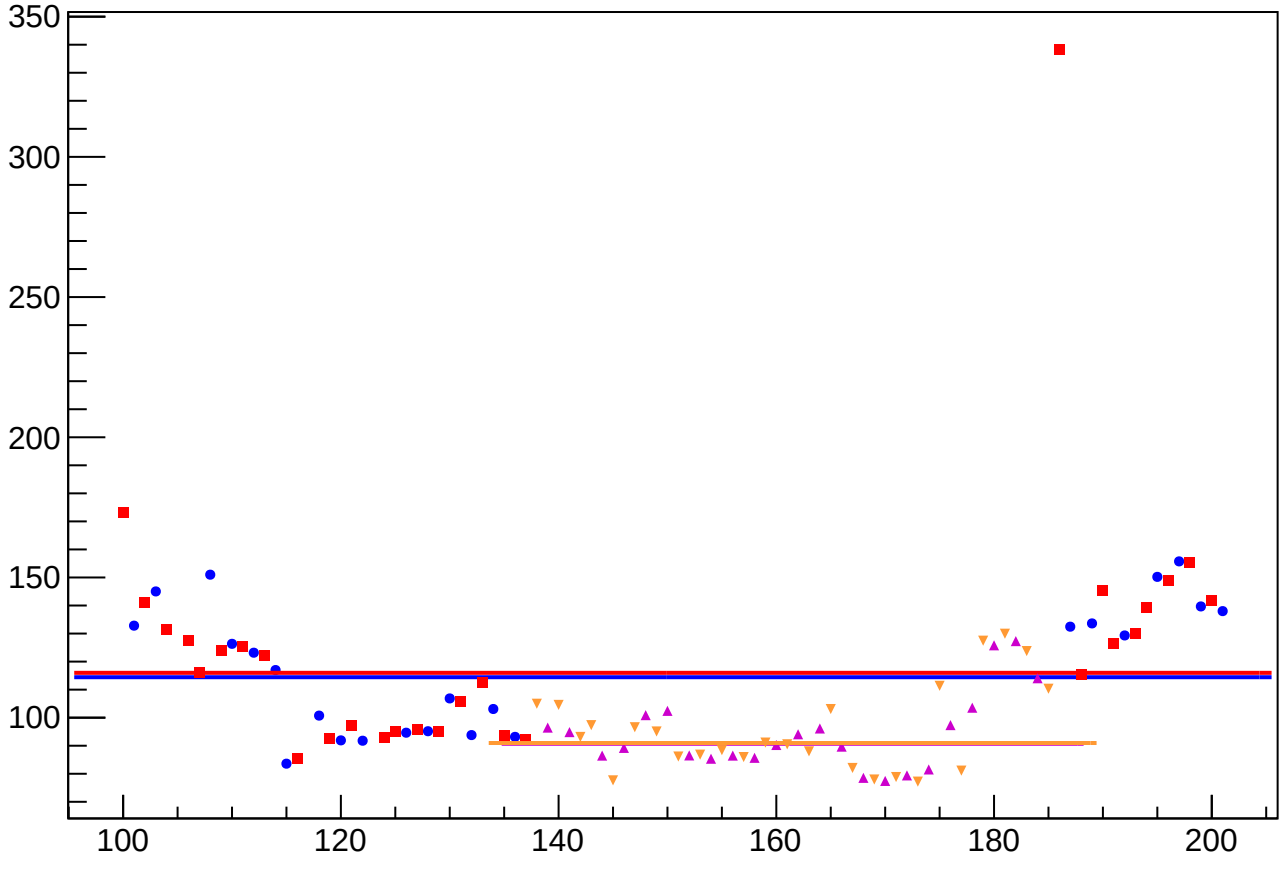
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 22.436+/-17.761 χ^2/NDF: 59.0/47

All: -6.221+/-12.607 χ^2/NDF: 126.4/98

- sign -35.317+/-17.896 χ^2/NDF: 62.2/50

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: 115.994+/-0.023 χ^2/NDF: 1163909.5/27

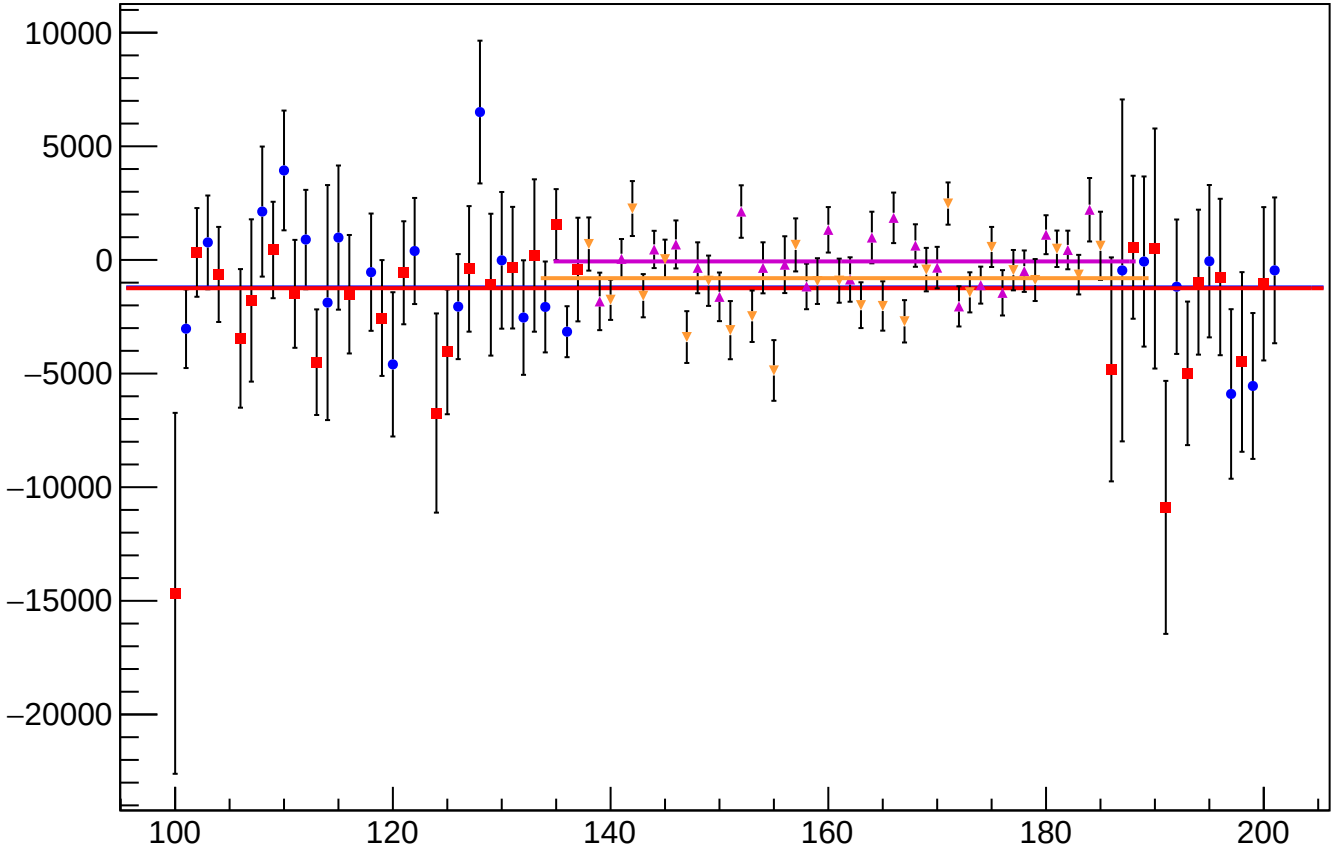
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 97.626+/-0.013 χ^2/NDF: 2377731.7/47

All: 98.043+/-0.009 χ^2/NDF: 4940989.8/98

- sign 98.467+/-0.013 χ^2/NDF: 2561033.7/50

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: -1245.218+/-522.083 χ^2/NDF: 19.5/27

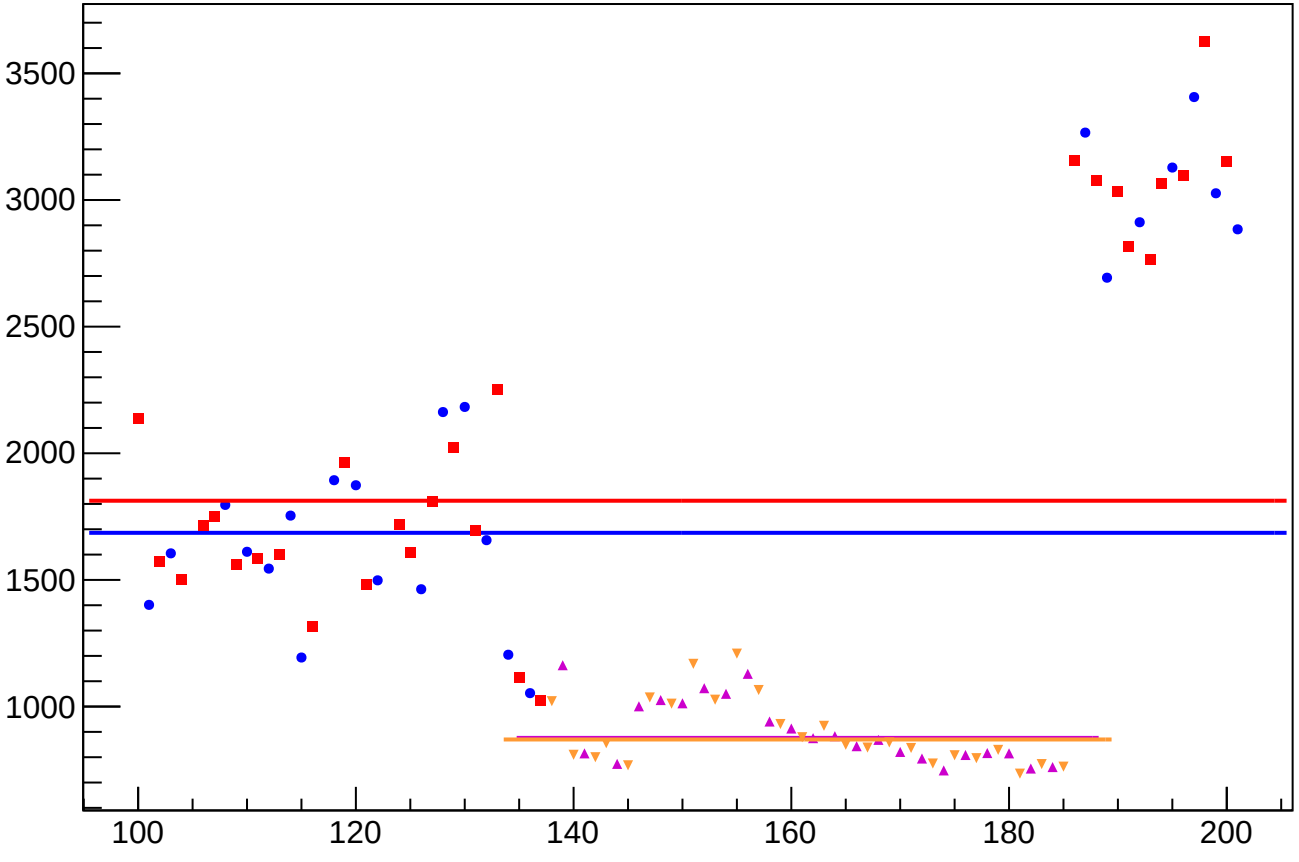
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -855.888+/-186.302 χ^2/NDF: 82.7/47

All: -550.261+/-133.761 χ^2/NDF: 142.9/98

- sign -225.086+/-192.167 χ^2/NDF: 54.7/50

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: 1812.647+/-0.369 χ^2/NDF: 3111211.6/27

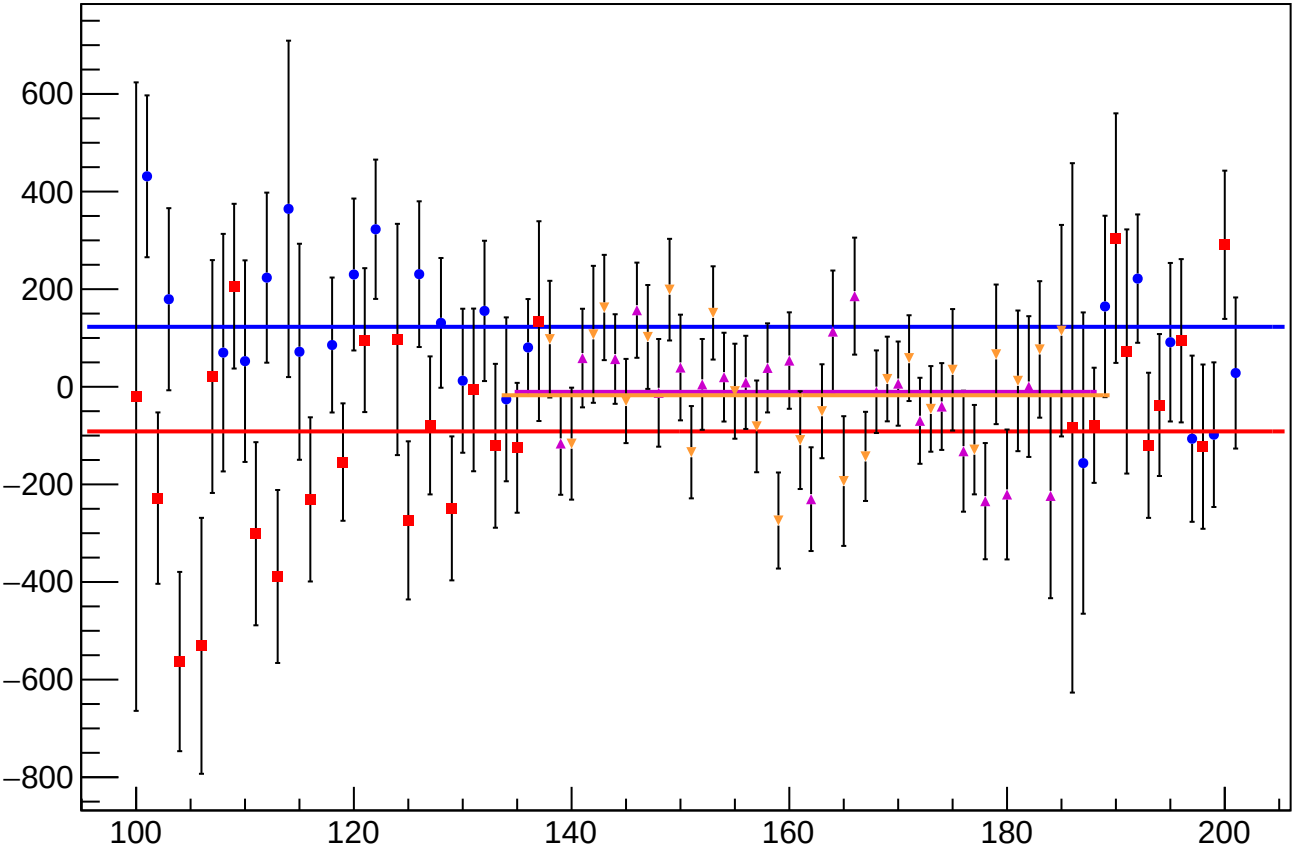
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 976.895+/-0.132 χ^2/NDF: 8038840.2/47

All: 989.608+/-0.095 χ^2/NDF: 17328370.5/98

- sign 1003.134+/-0.136 χ^2/NDF: 9270308.6/50

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: -91.448+/-32.282 χ^2/NDF: 35.2/27

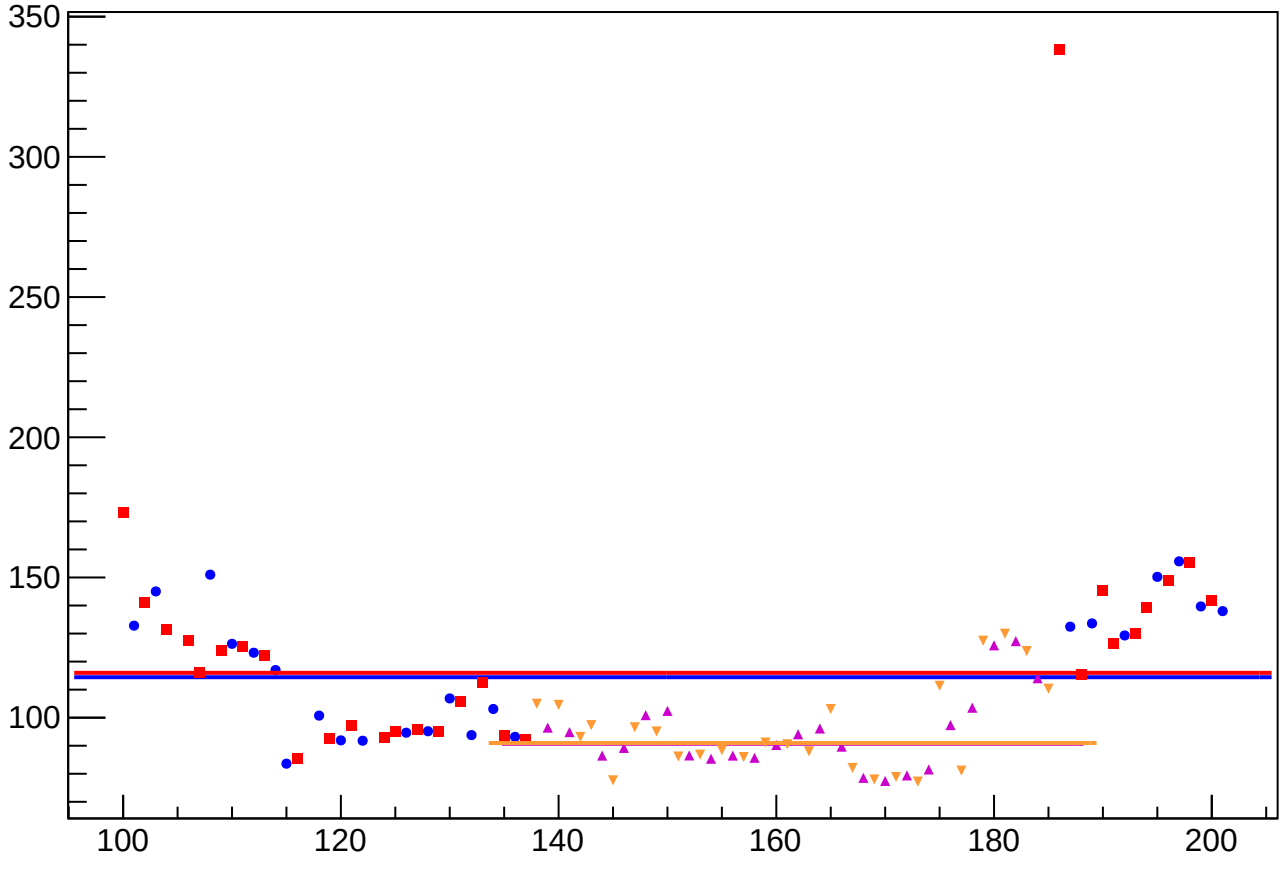
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 22.437+/-17.761 χ^2/NDF: 59.0/47

All: -6.221+/-12.606 χ^2/NDF: 126.4/98

- sign -35.317+/-17.896 χ^2/NDF: 62.2/50

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

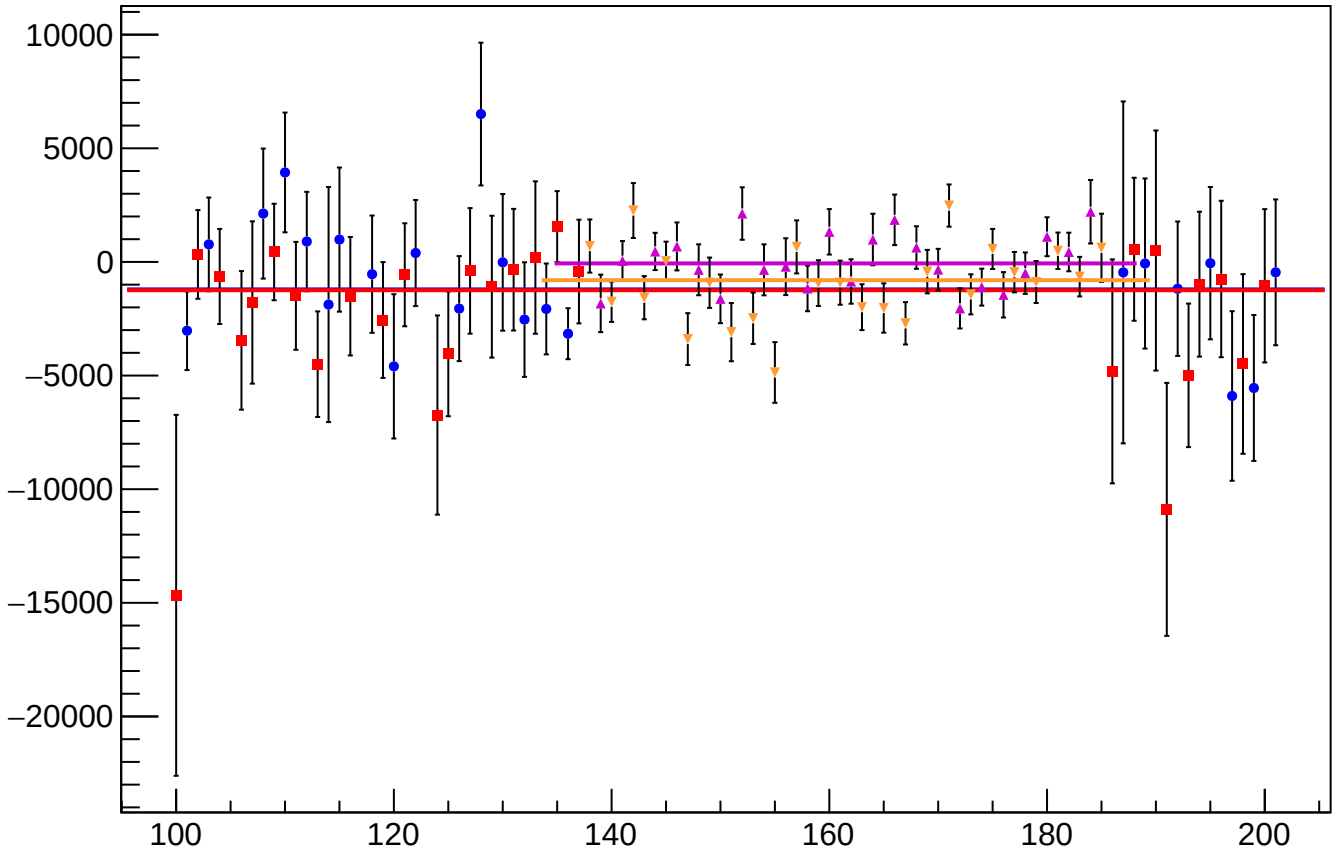
Right Out: 115.993+/-0.023 χ^2/NDF: 1163927.1/27

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 97.626+/-0.013 χ^2/NDF: 2377706.5/47

All: 98.043+/-0.009 χ^2/NDF: 4940938.0/98

- sign 98.467+/-0.013 χ^2/NDF: 2561007.5/50



Right In: -1209.836+/-514.738 χ^2/NDF: 23.8/22

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

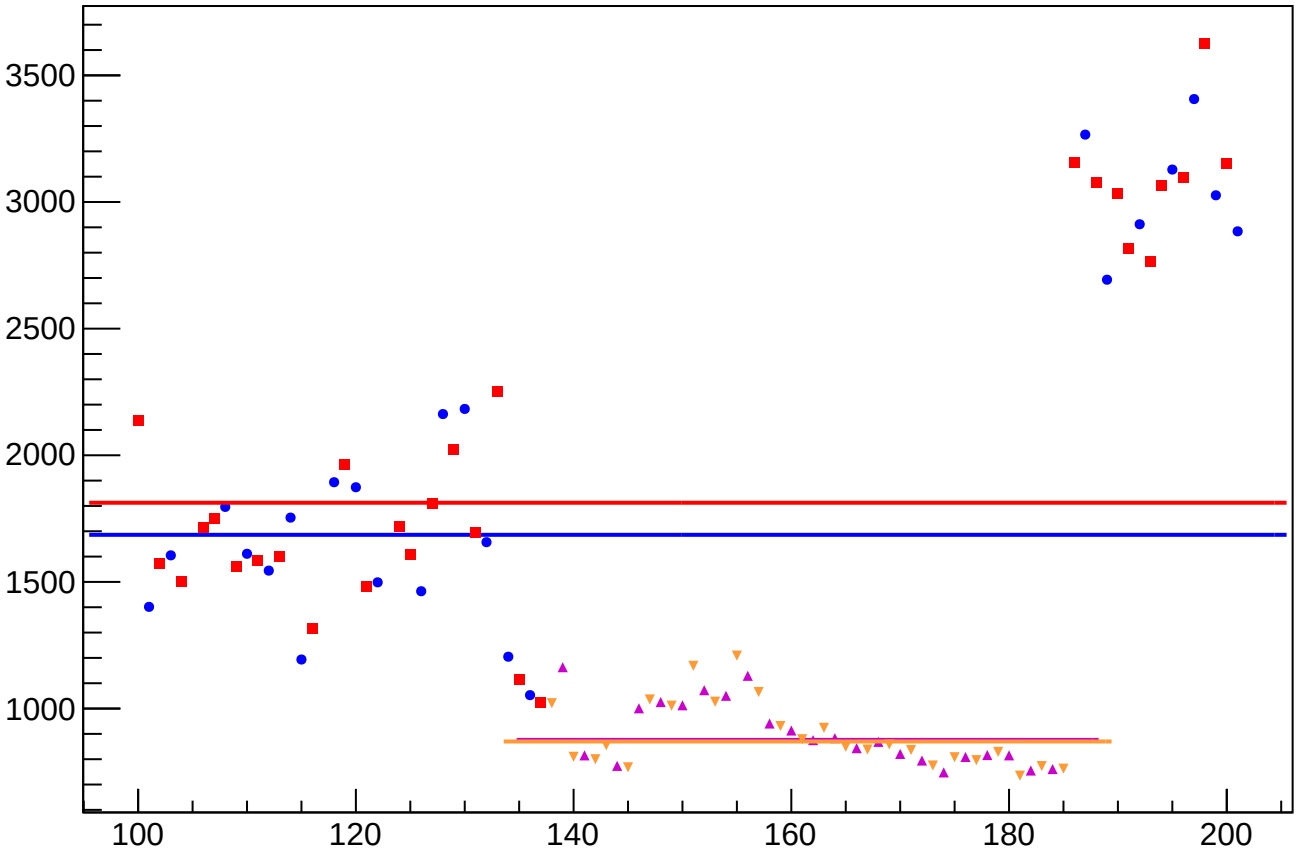
Right Out: -1245.217+/-522.083 χ^2/NDF: 19.5/27

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -855.887+/-186.302 χ^2/NDF: 82.7/47

All: -550.261+/-133.761 χ^2/NDF: 142.9/98

- sign -225.086+/-192.167 χ^2/NDF: 54.7/50



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: 1812.643+/-0.369 χ^2/NDF: 3111219.4/27

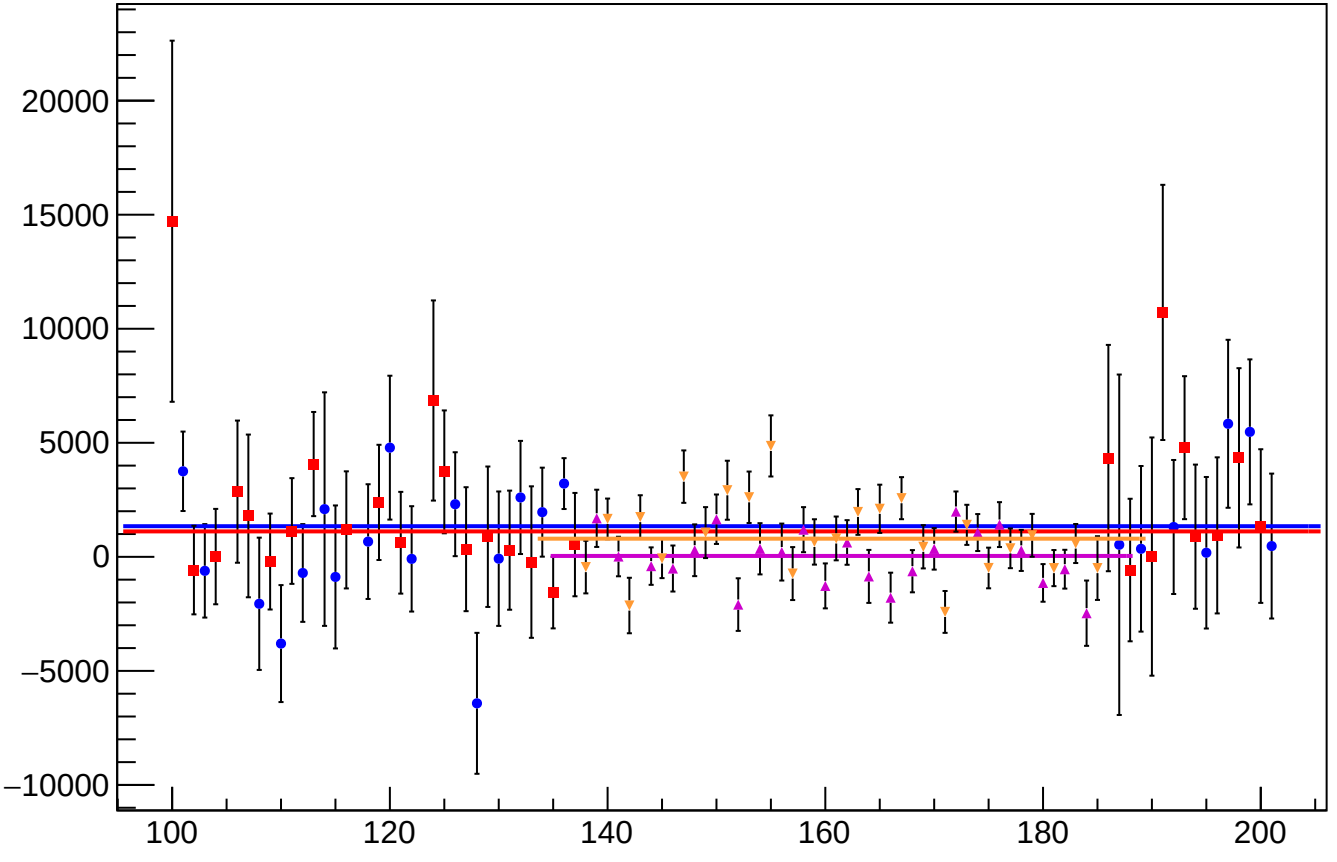
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 976.894+/-0.132 χ^2/NDF: 8038834.1/47

All: 989.607+/-0.095 χ^2/NDF: 17328359.8/98

- sign 1003.133+/-0.136 χ^2/NDF: 9270304.3/50

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: 1115.779+/-518.089 χ^2/NDF: 18.5/27

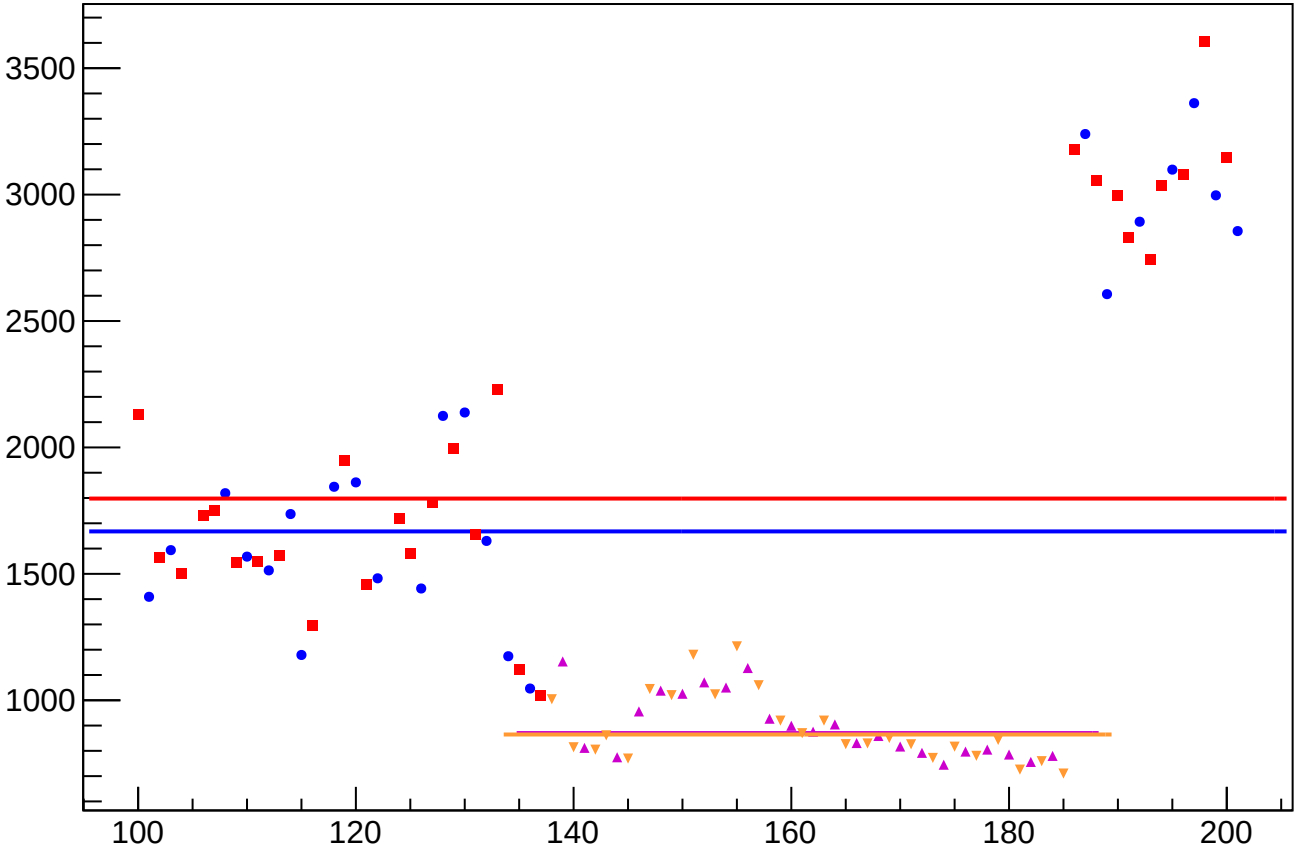
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 868.636+/-185.187 χ^2/NDF: 82.9/47

All: 537.609+/-132.921 χ^2/NDF: 141.4/98

- sign 185.840+/-190.901 χ^2/NDF: 51.9/50

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

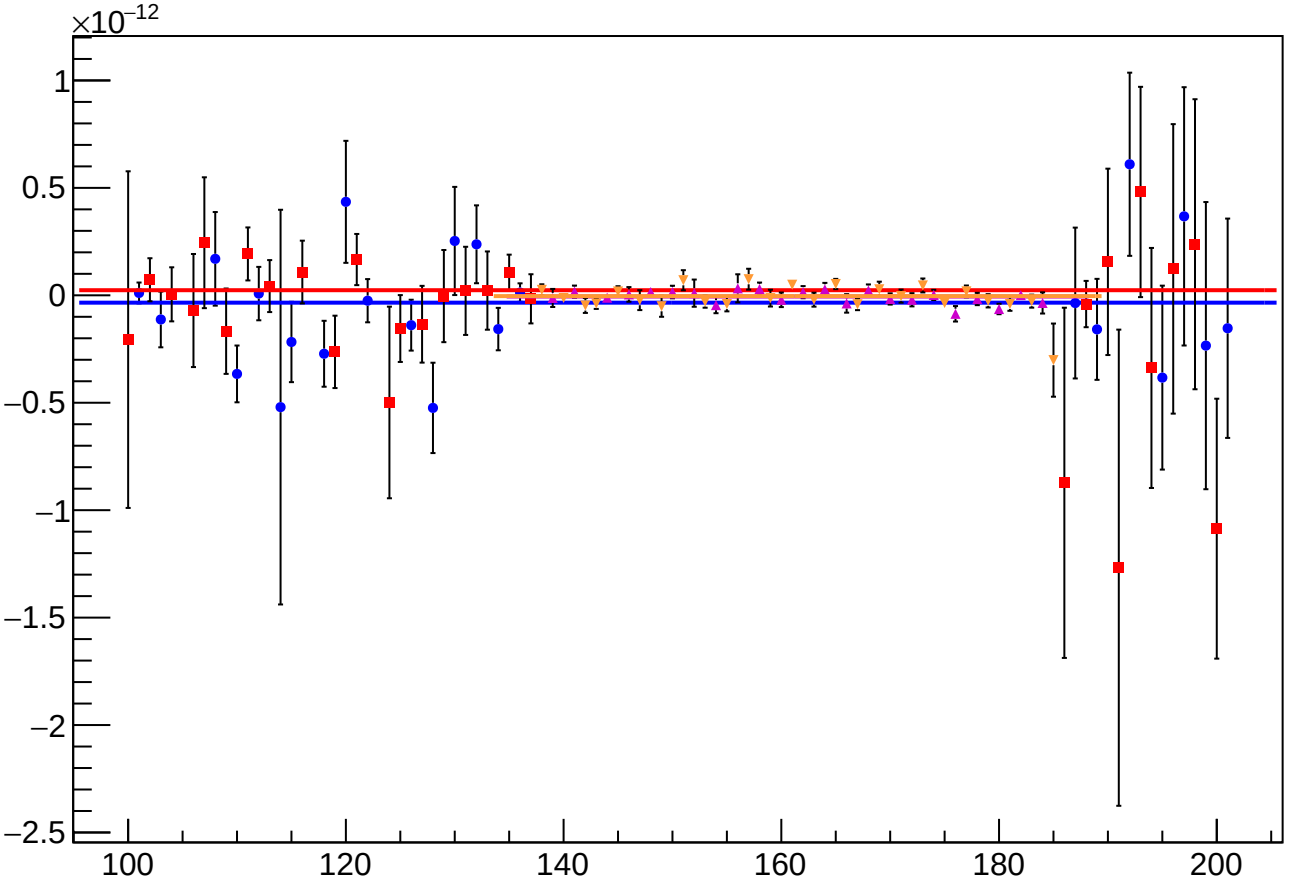
Right Out: 1797.782+/-0.366 χ^2/NDF: 3111672.4/27

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 970.891+/-0.131 χ^2/NDF: 8010492.3/47

All: 983.193+/-0.094 χ^2/NDF: 17283724.9/98

- sign 996.265+/-0.135 χ^2/NDF: 9255029.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/22

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

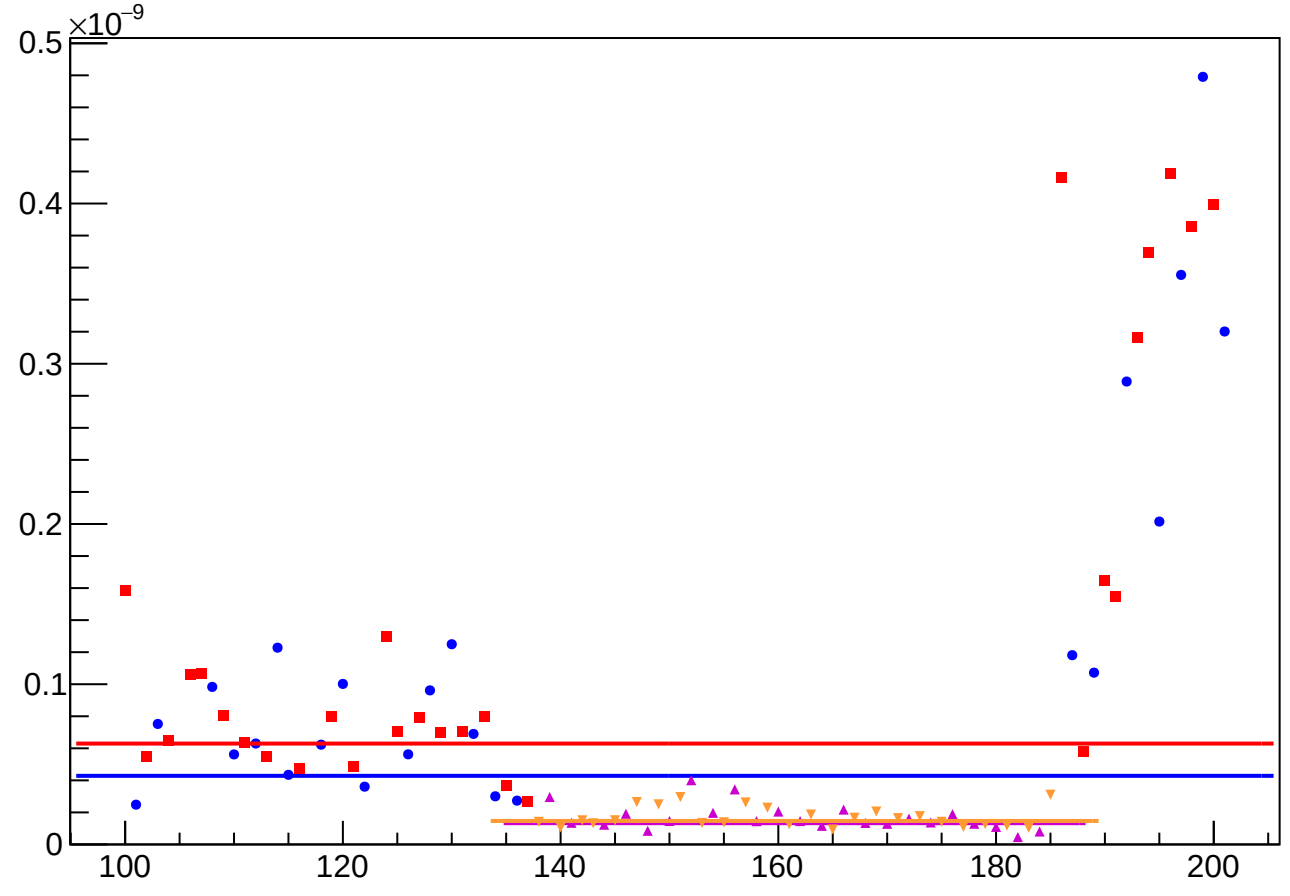
Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/27

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: 113.7/98

- sign -0.000+/-0.000 χ^2/NDF: 42.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 4609421.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

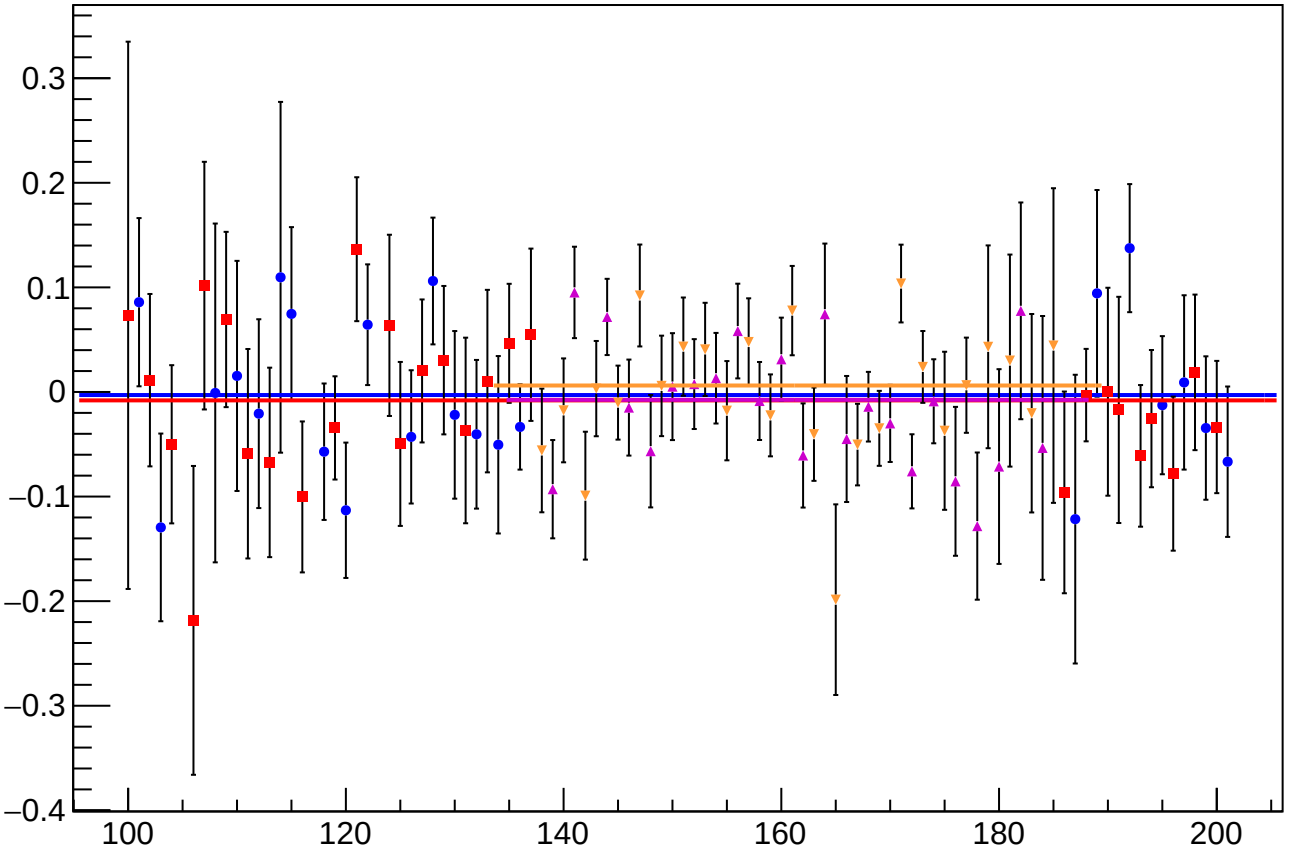
Right Out: 0.000+/-0.000 χ^2/NDF: 3998797.1/27

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: 18848125.6/98

- sign 0.000+/-0.000 χ^2/NDF: 10661272.2/50



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: -0.008+/-0.014 χ^2/NDF: 17.0/27

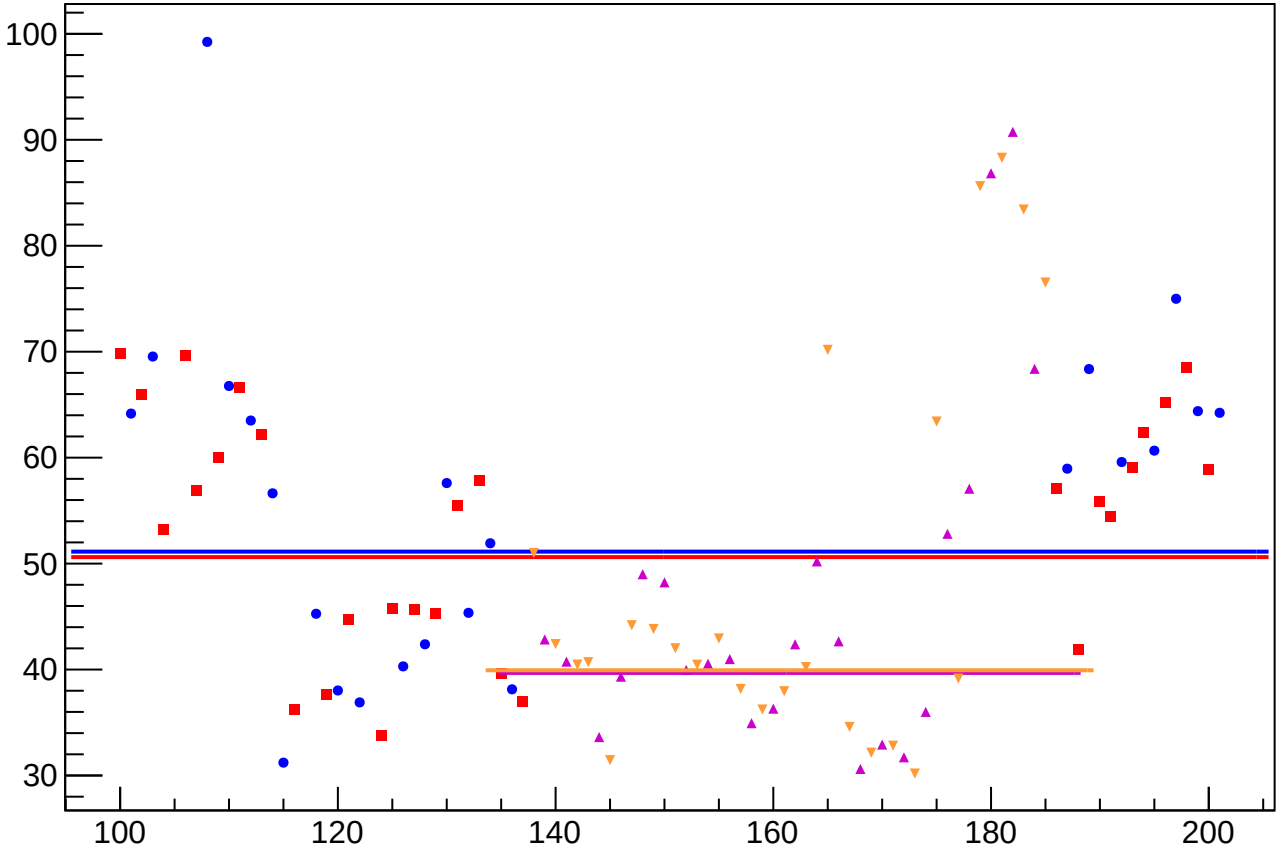
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 53.5/47

All: -0.002+/-0.006 χ^2/NDF: 101.9/98

- sign -0.008+/-0.008 χ^2/NDF: 47.5/50

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

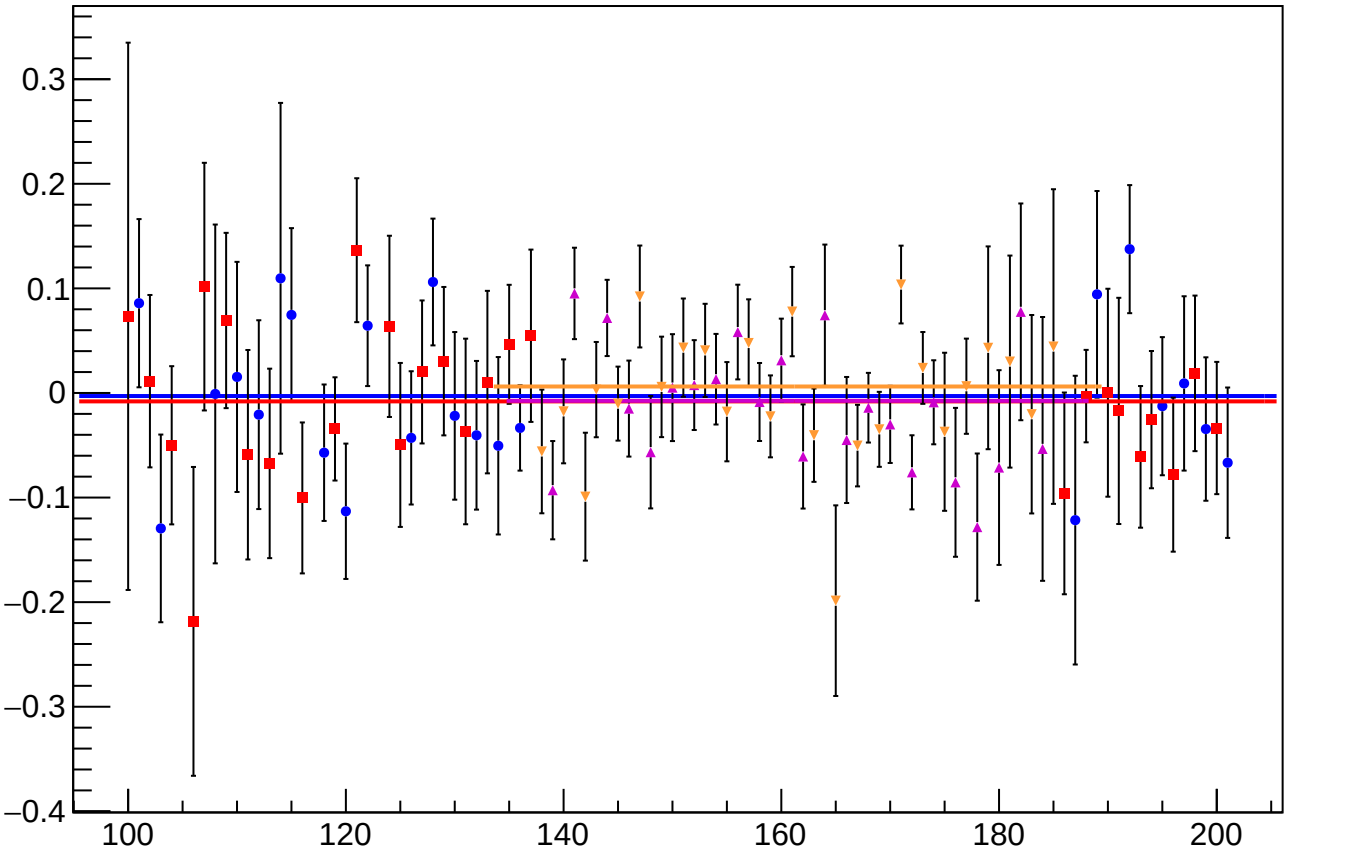
Right Out: 50.613+/-0.010 χ^2/NDF: 1133515.3/27

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.090+/-0.006 χ^2/NDF: 4757467.5/47

All: 43.137+/-0.004 χ^2/NDF: 8606969.9/98

- sign 43.183+/-0.006 χ^2/NDF: 3849370.1/50



Right In: -0.003+/-0.015 χ^2/NDF: 22.4/22

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

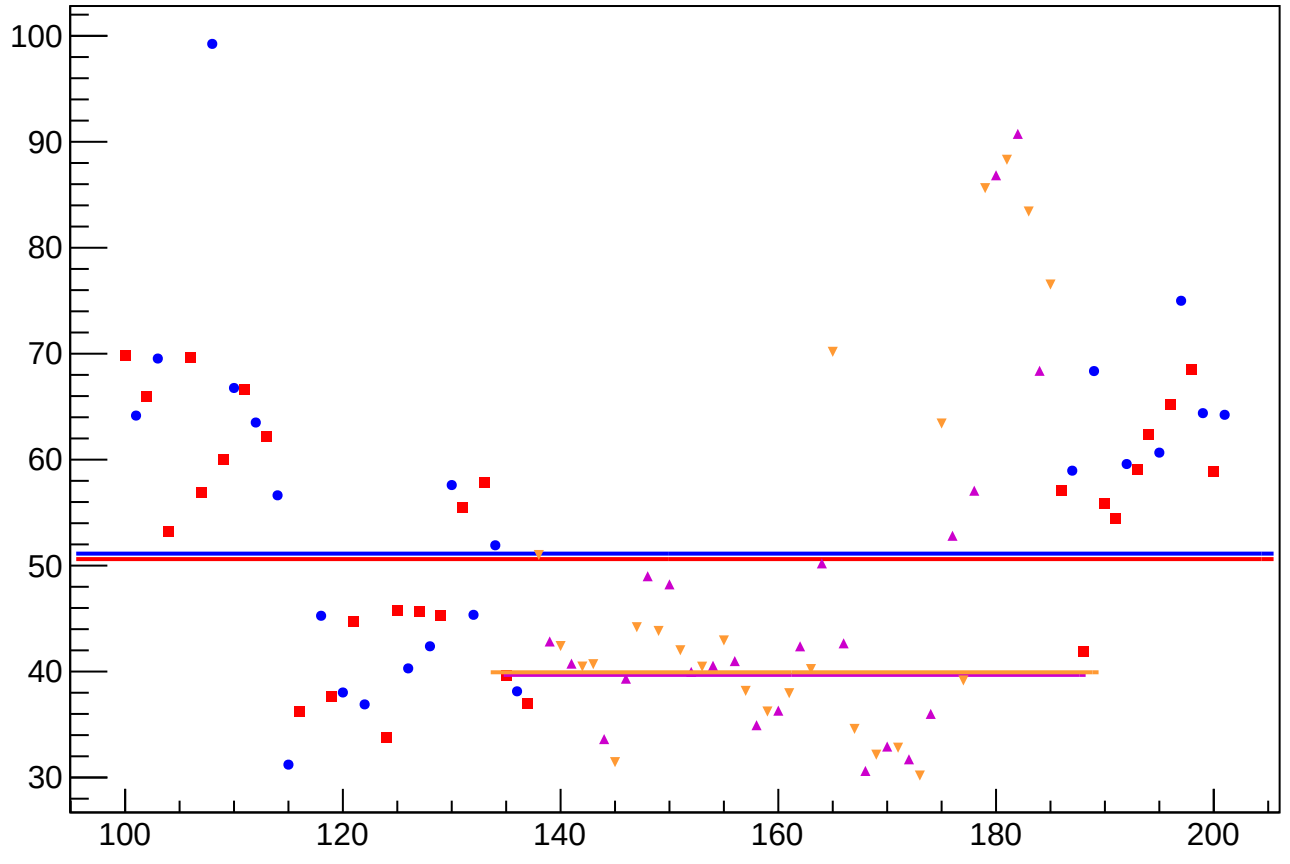
Right Out: -0.008+/-0.014 χ^2/NDF: 17.0/27

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: 101.9/98

- sign -0.008+/-0.008 χ^2/NDF: 47.5/50



Right In: 51.130+/-0.011 χ^2/NDF: 1509363.6/22

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

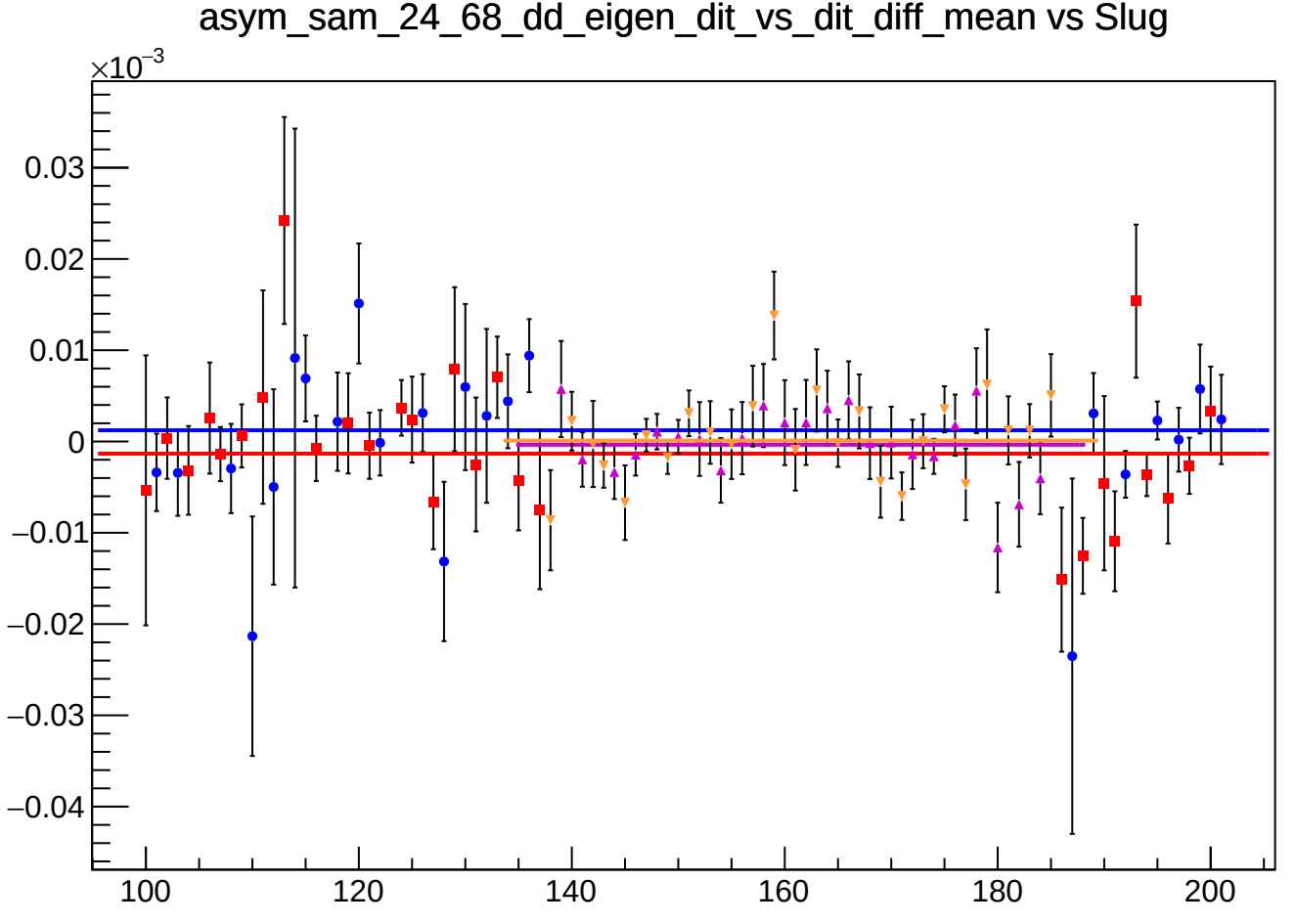
Right Out: 50.613+/-0.010 χ^2/NDF: 1133515.3/27

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.090+/-0.006 χ^2/NDF: 4757467.5/47

All: 43.137+/-0.004 χ^2/NDF: 8606969.9/98

- sign 43.183+/-0.006 χ^2/NDF: 3849370.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

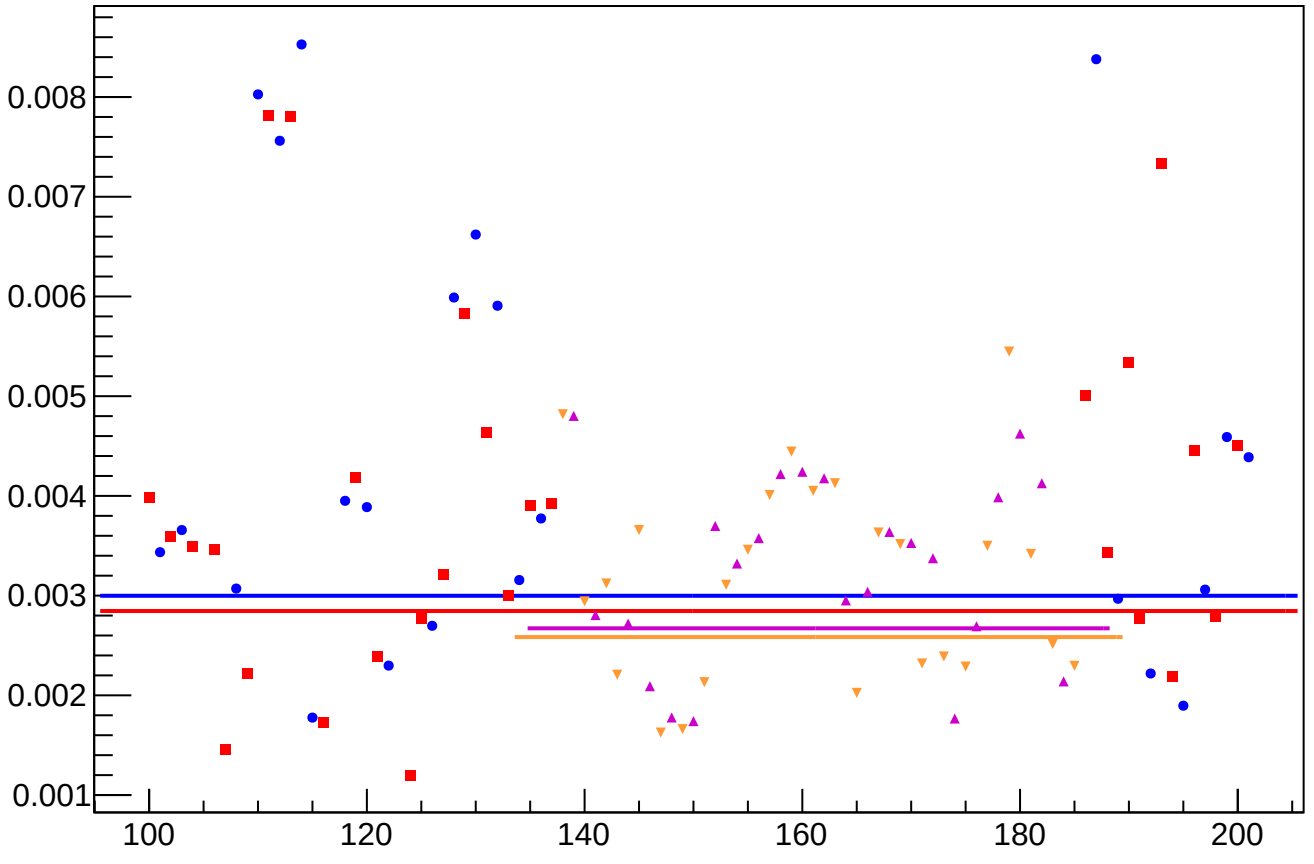
Right Out: -0.000+/-0.000 χ^2/NDF: 37.3/27

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: 120.3/98

- sign -0.000+/-0.000 χ^2/NDF: 56.8/50



Right In: 0.003+/-0.000 χ^2/NDF: 3227664.6/22

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

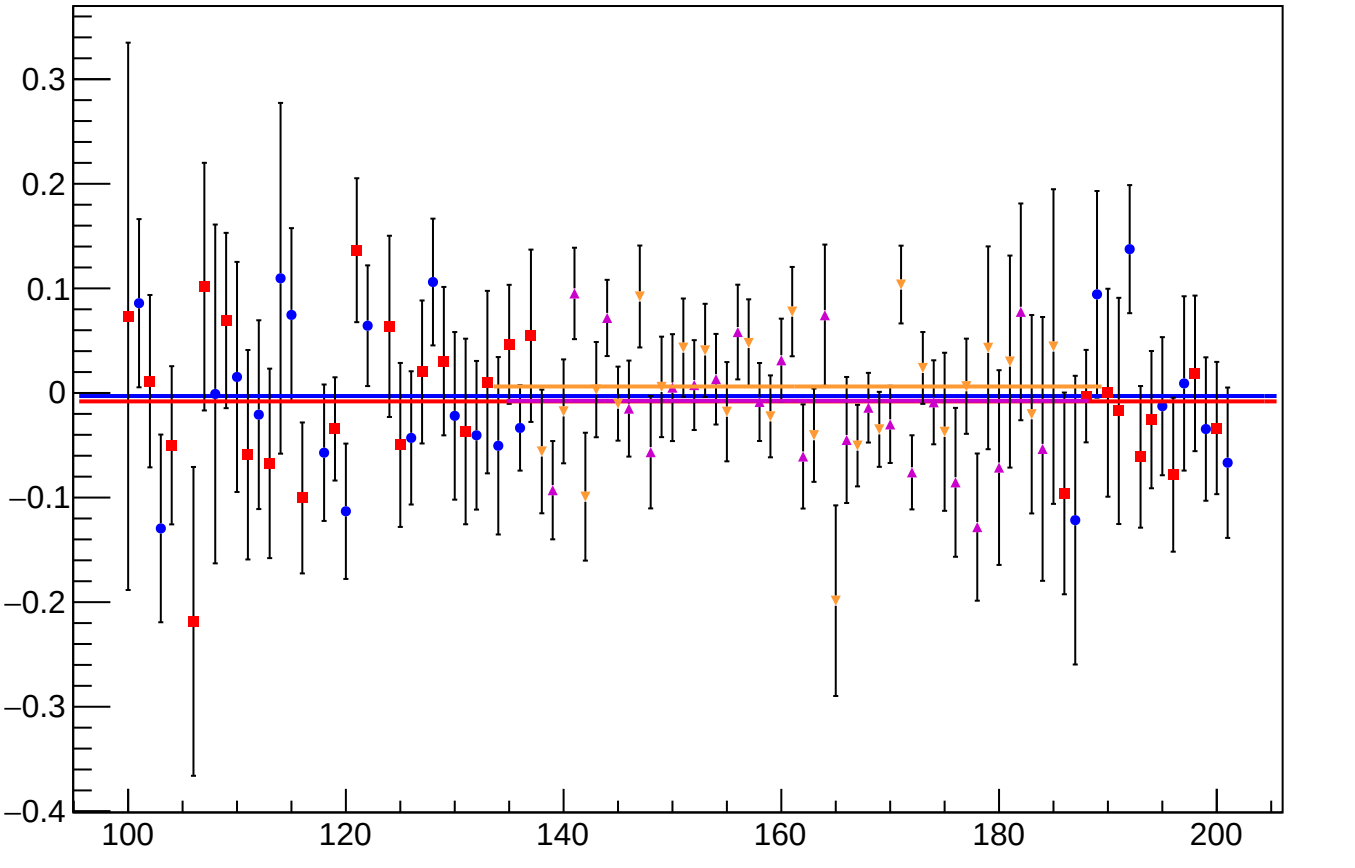
Right Out: 0.003+/-0.000 χ^2/NDF: 4272207.9/27

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: 15540430.2/98

- sign 0.003+/-0.000 χ^2/NDF: 8148616.1/50



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: -0.008+/-0.014 χ^2/NDF: 17.0/27

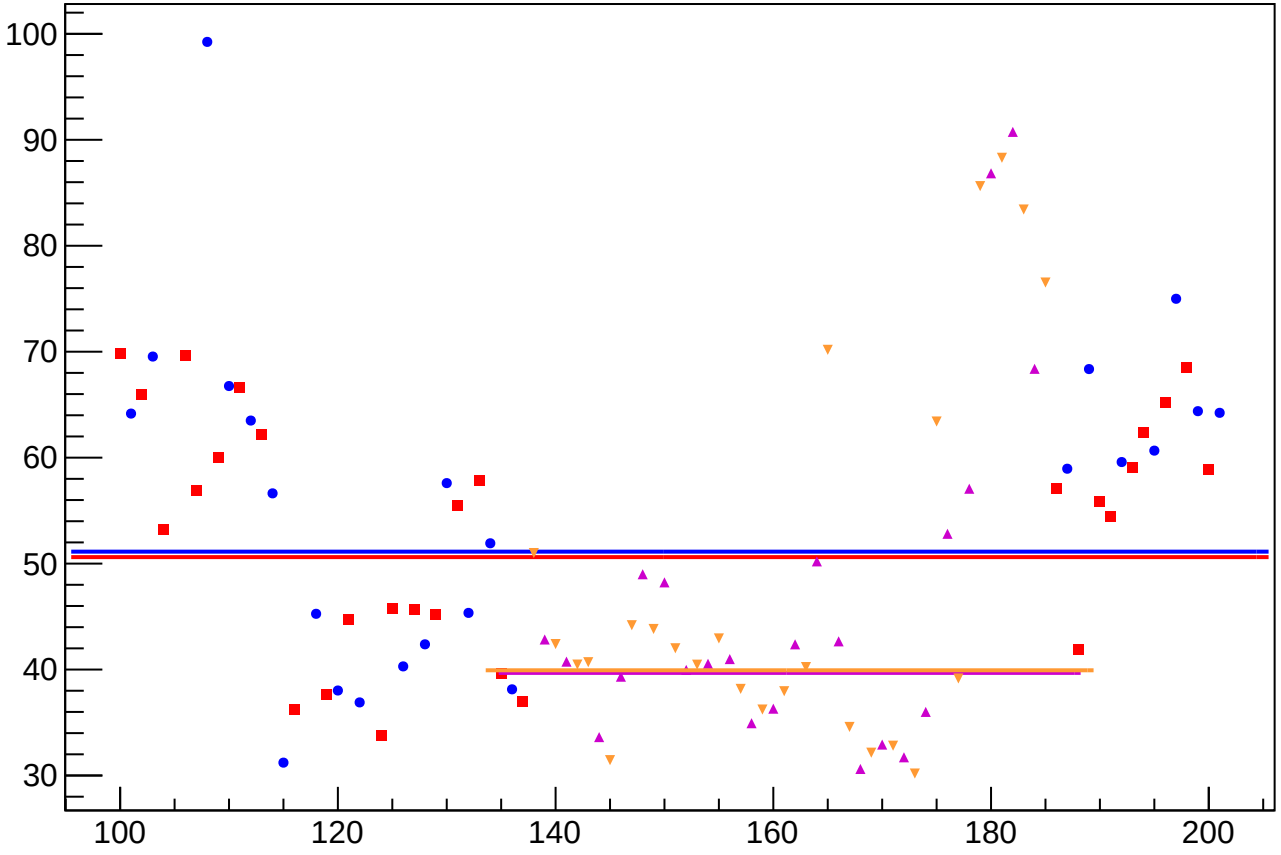
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 53.5/47

All: -0.002+/-0.006 χ^2/NDF: 101.9/98

- sign -0.008+/-0.008 χ^2/NDF: 47.5/50

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 51.129+/-0.011 χ^2/NDF: 1509414.8/22

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

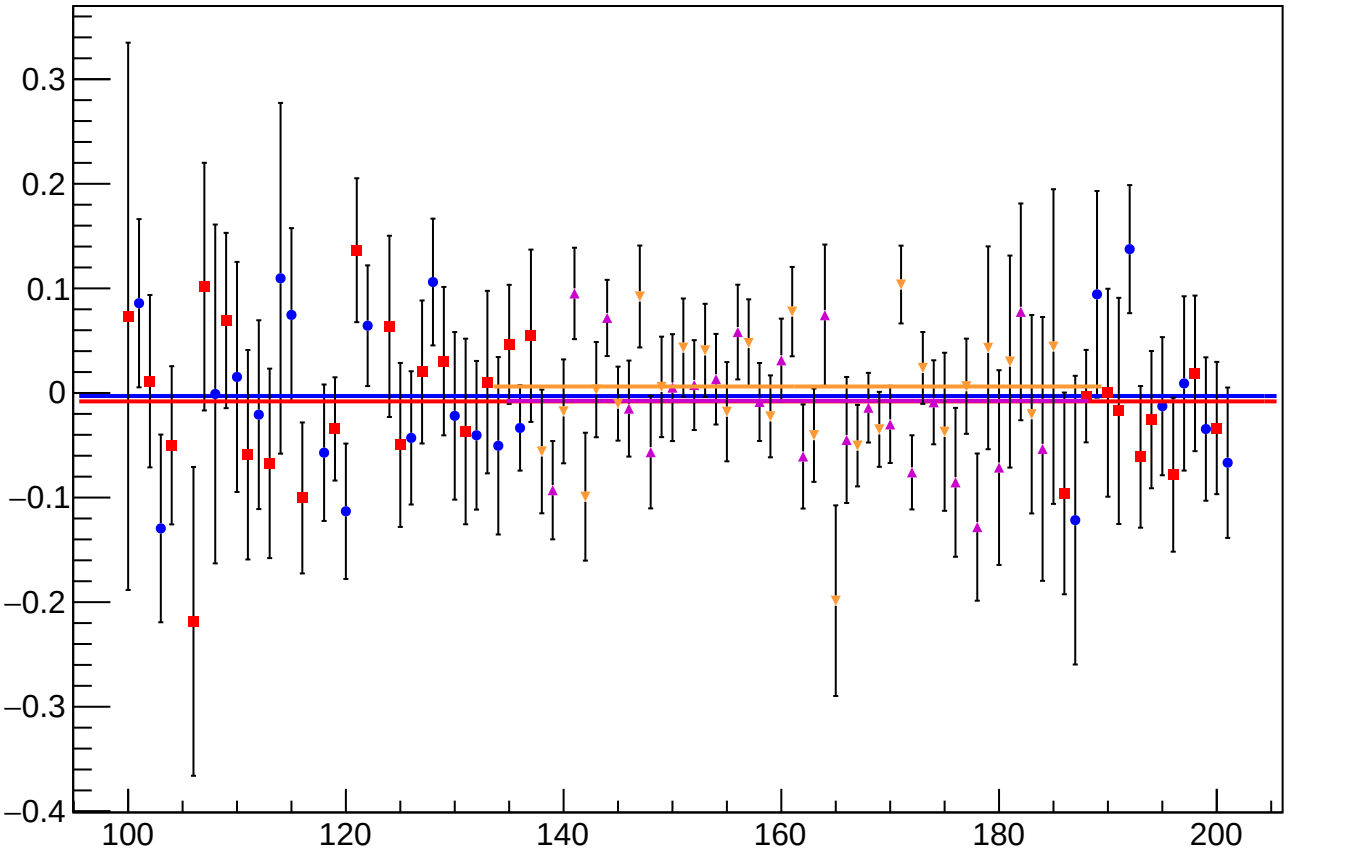
Right Out: 50.612+/-0.010 χ^2/NDF: 1133525.6/27

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.090+/-0.006 χ^2/NDF: 4757372.7/47

All: 43.137+/-0.004 χ^2/NDF: 8606847.3/98

- sign 43.183+/-0.006 χ^2/NDF: 3849342.5/50



Right In: -0.003+/-0.015 χ^2/NDF: 22.4/22

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

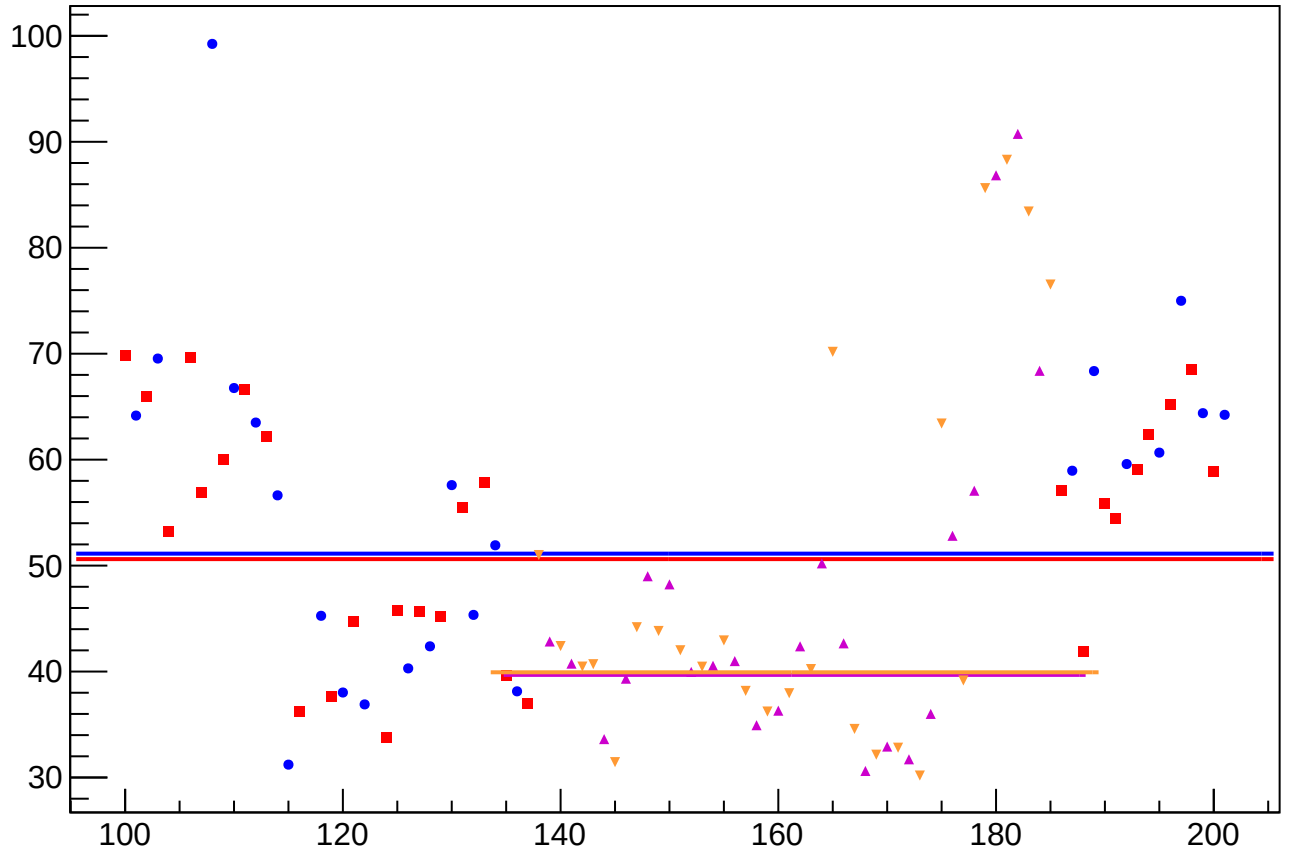
Right Out: -0.008+/-0.014 χ^2/NDF: 17.0/27

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: 101.9/98

- sign -0.008+/-0.008 χ^2/NDF: 47.5/50



Right In: 51.129+/-0.011 χ^2/NDF: 1509414.8/22

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

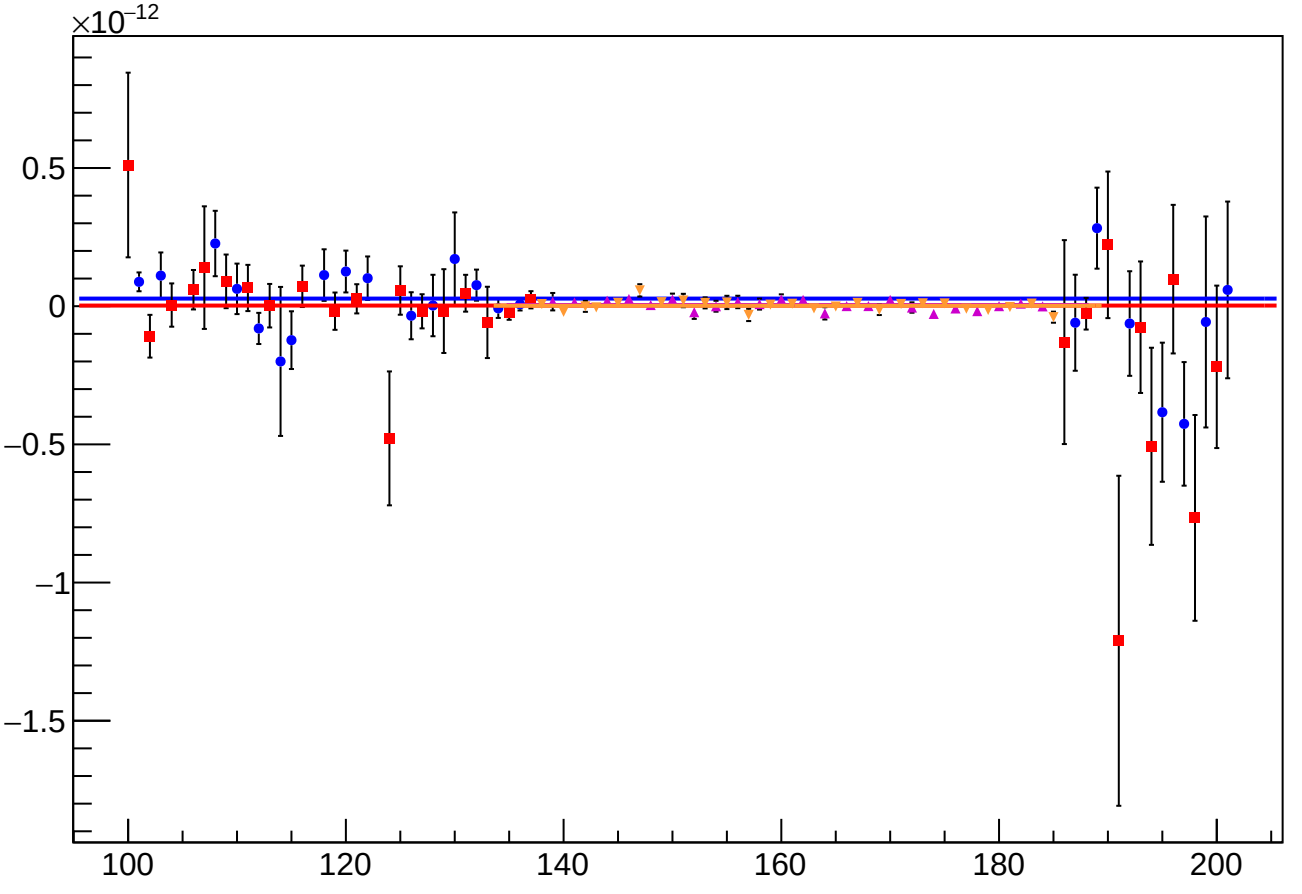
Right Out: 50.612+/-0.010 χ^2/NDF: 1133525.6/27

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.090+/-0.006 χ^2/NDF: 4757372.7/47

All: 43.137+/-0.004 χ^2/NDF: 8606847.3/98

- sign 43.183+/-0.006 χ^2/NDF: 3849342.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

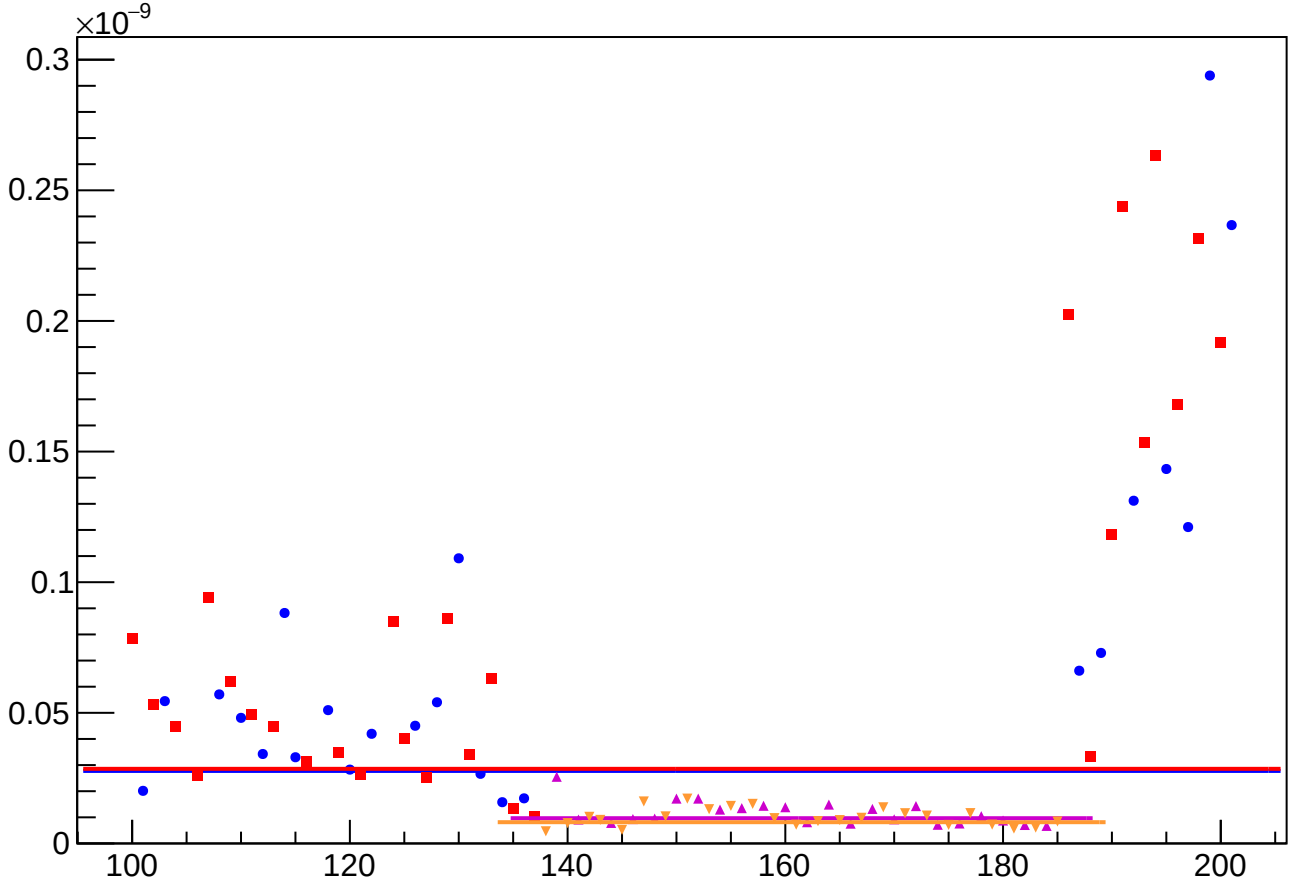
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/27

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: 117.1/98

- sign 0.000+/-0.000 χ^2/NDF: 54.2/50



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: 6985792.6/27

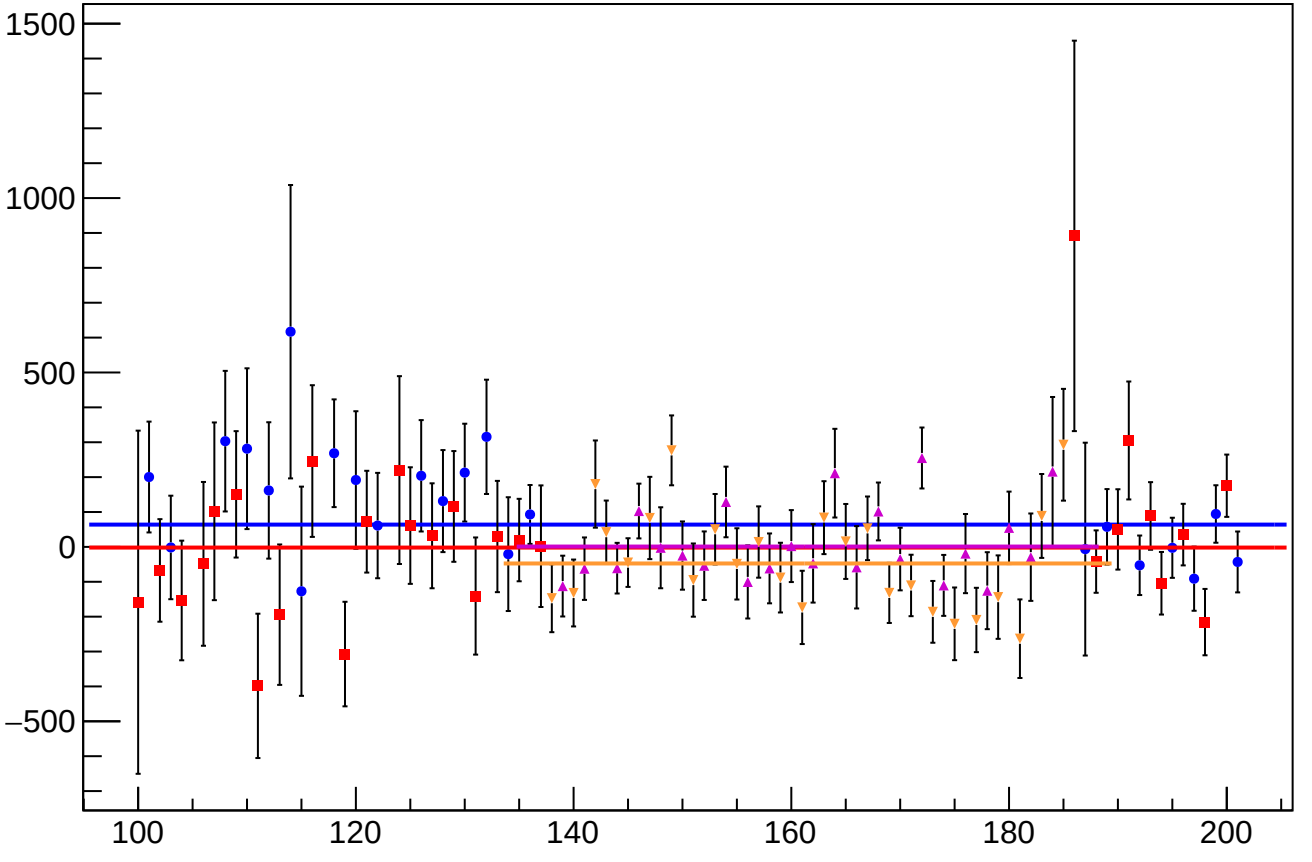
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12205777.5/47

All: 0.000+/-0.000 χ^2/NDF: 25243704.6/98

- sign 0.000+/-0.000 χ^2/NDF: 12665665.9/50

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: -1.929+/-26.213 χ^2/NDF: 32.1/27

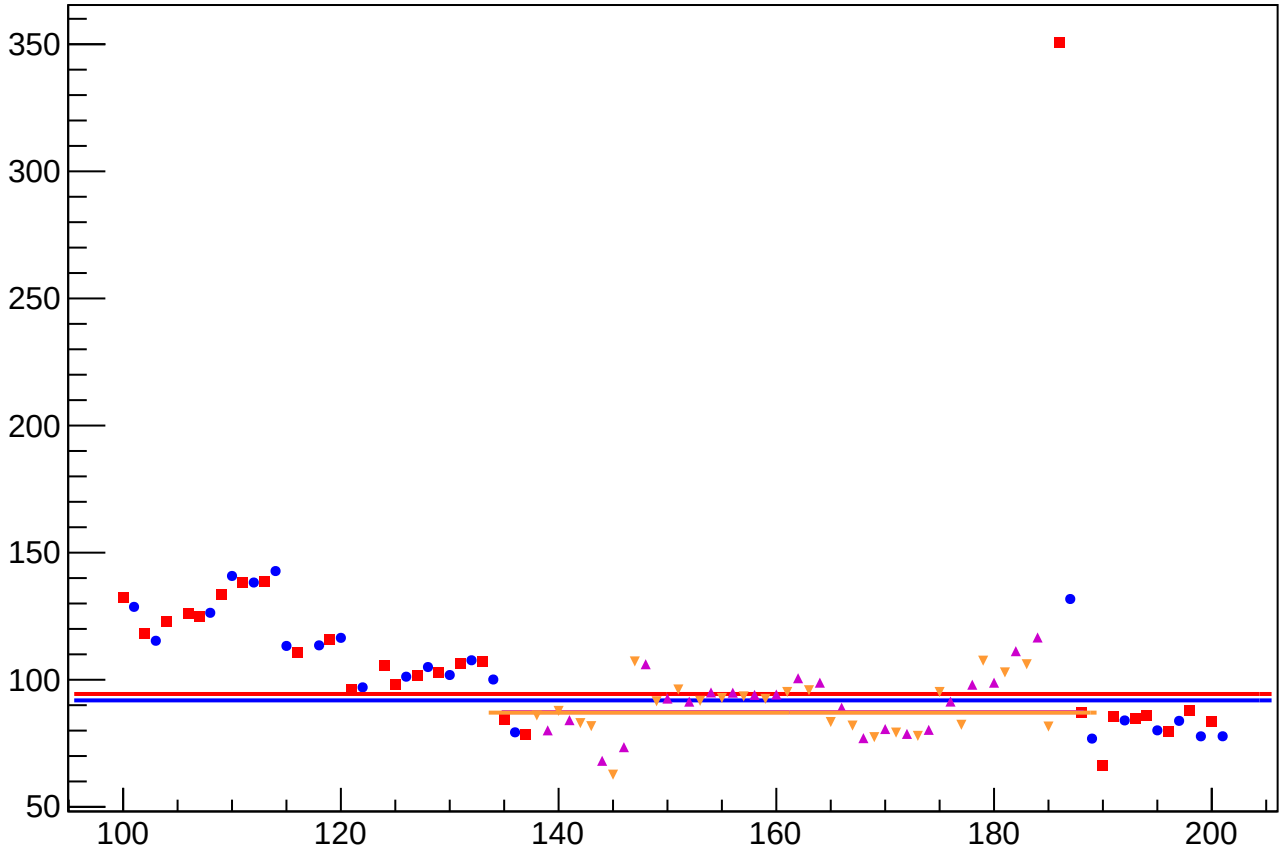
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -7.563+/-16.004 χ^2/NDF: 74.8/47

All: -3.890+/-11.385 χ^2/NDF: 132.4/98

- sign -0.127+/-16.199 χ^2/NDF: 57.5/50

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: 94.408+/-0.019 χ^2/NDF: 1279345.6/27

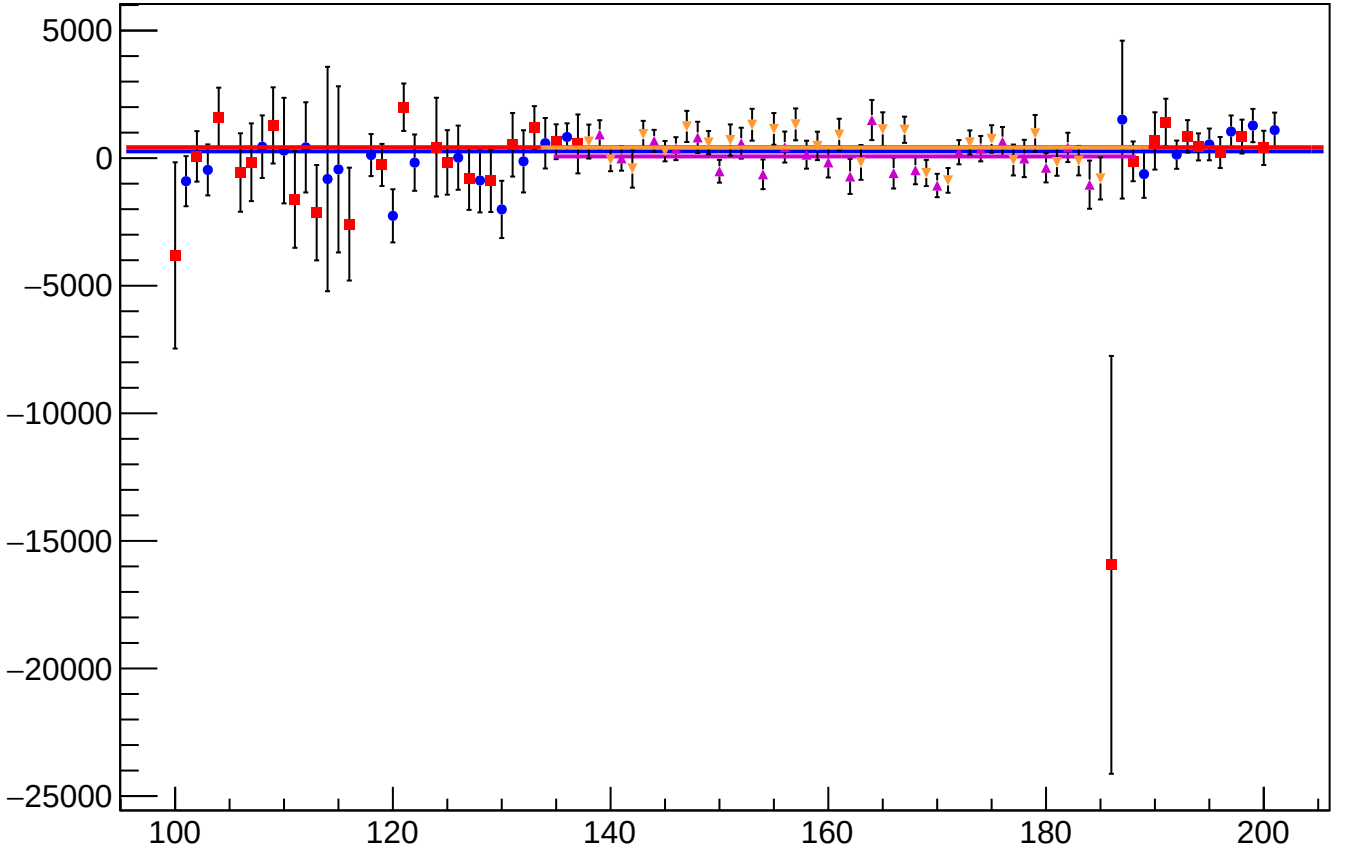
Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 88.799+/-0.011 χ^2/NDF: 1547760.0/47

All: 89.386+/-0.008 χ^2/NDF: 3520345.7/98

- sign 89.987+/-0.011 χ^2/NDF: 1967141.0/50

asym_sam_26_48_dd_reg_correction_mean vs Slug



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: 428.835+/-180.954 χ^2/NDF: 21.8/27

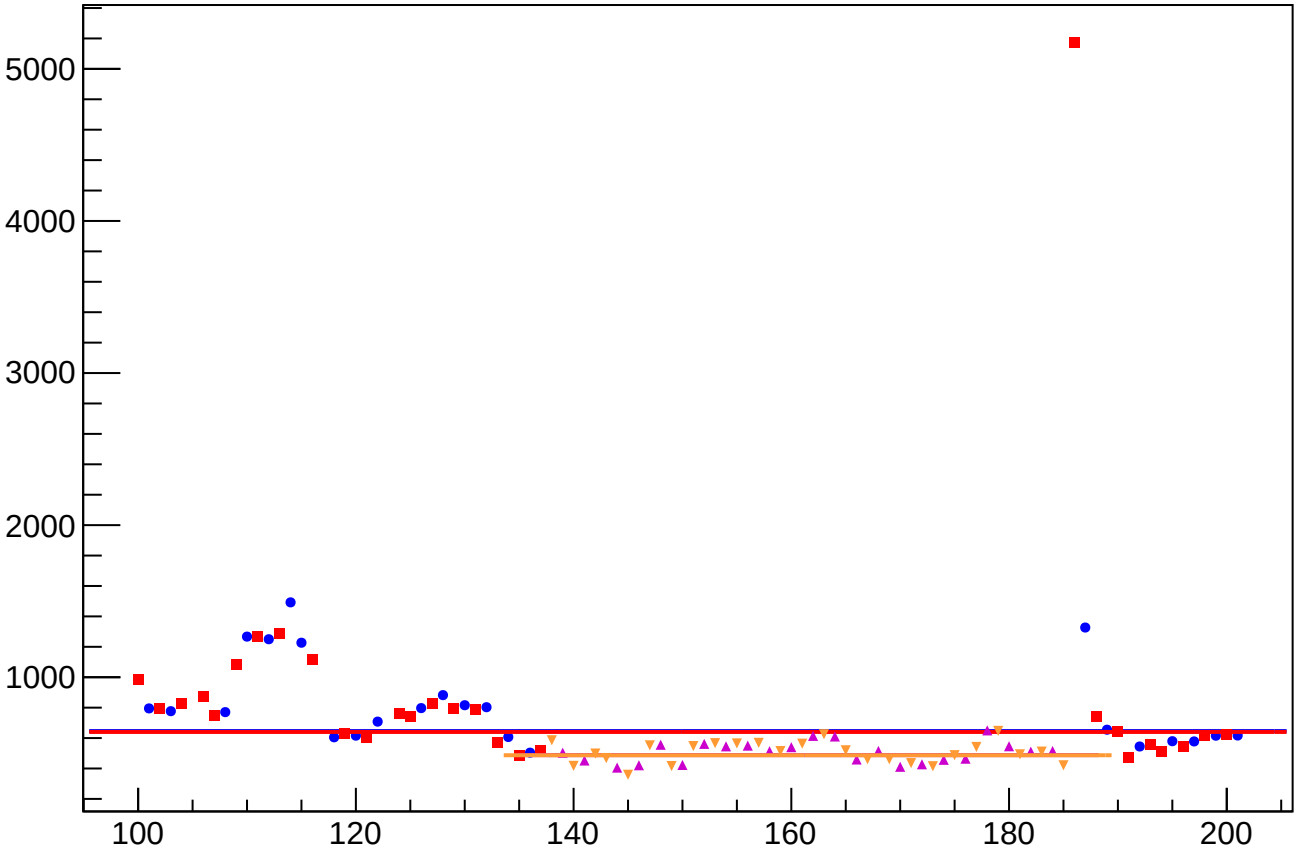
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 377.165+/-96.593 χ^2/NDF: 54.0/47

All: 275.046+/-68.553 χ^2/NDF: 108.4/98

- sign 171.406+/-97.310 χ^2/NDF: 52.2/50

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: 640.339+/-0.128 χ^2/NDF: 2095460.6/27

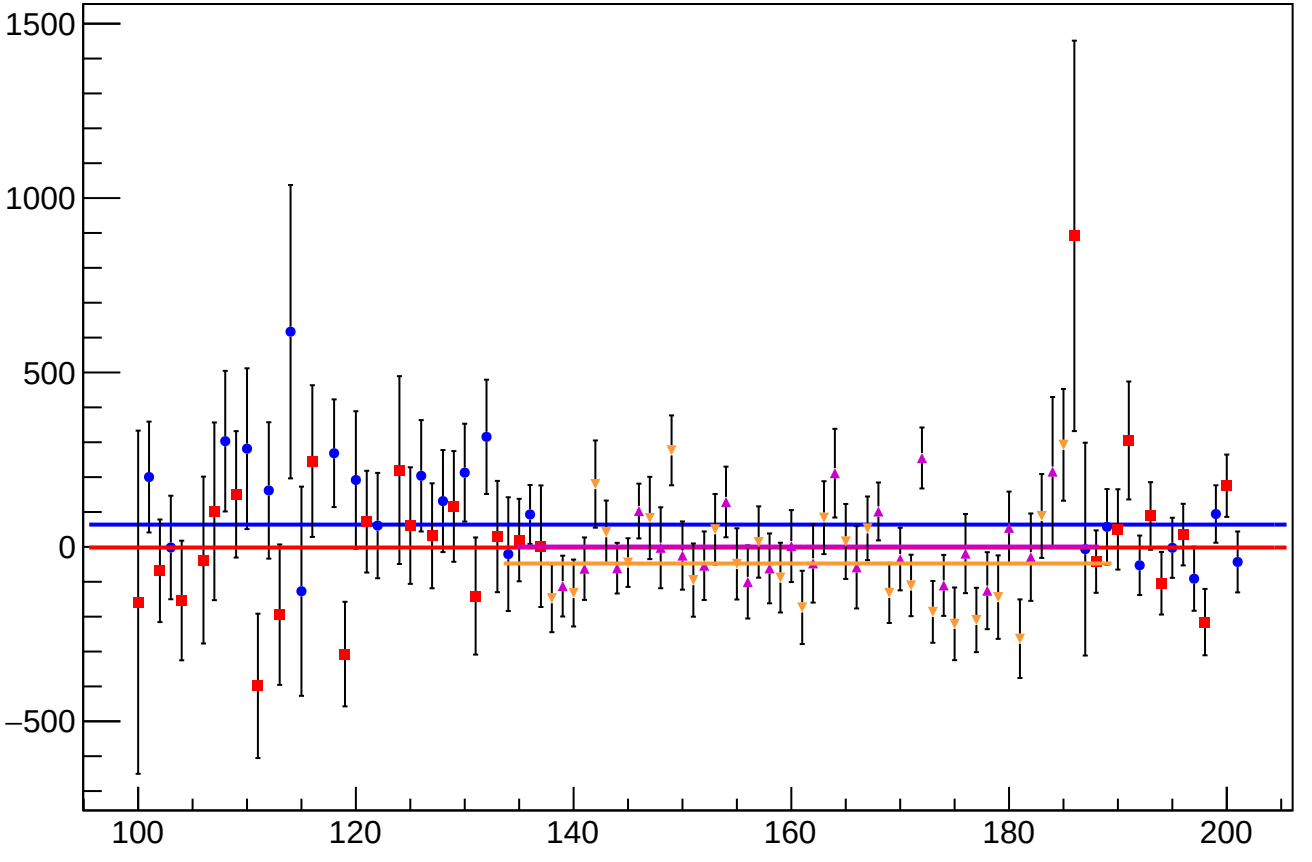
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 528.471+/-0.068 χ^2/NDF: 3069070.0/47

All: 530.225+/-0.048 χ^2/NDF: 6808610.1/98

- sign 532.004+/-0.069 χ^2/NDF: 3738211.8/50

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: -1.808+/-26.219 χ^2/NDF: 32.1/27

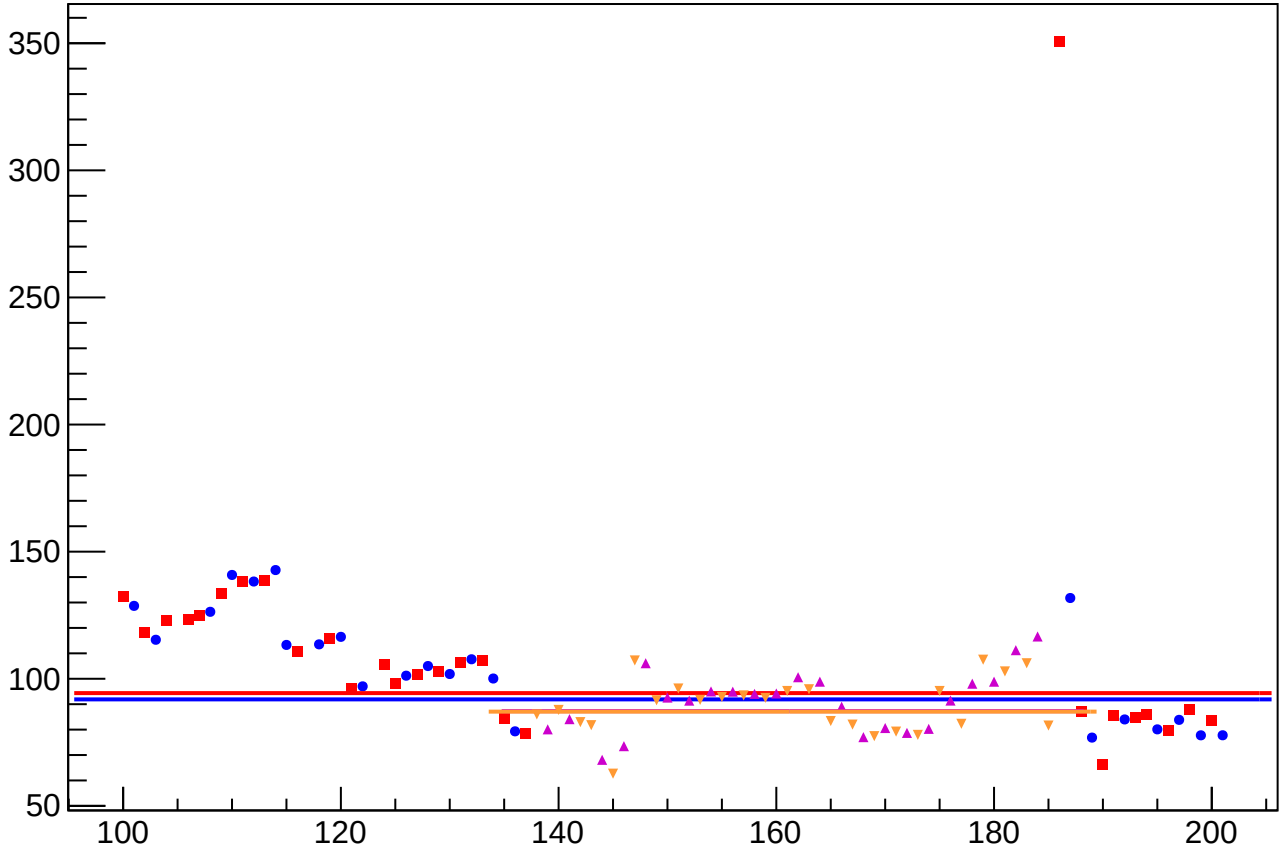
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.571+/-16.004 χ^2/NDF: 74.8/47

All: -3.871+/-11.385 χ^2/NDF: 132.4/98

- sign -0.080+/-16.200 χ^2/NDF: 57.5/50

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

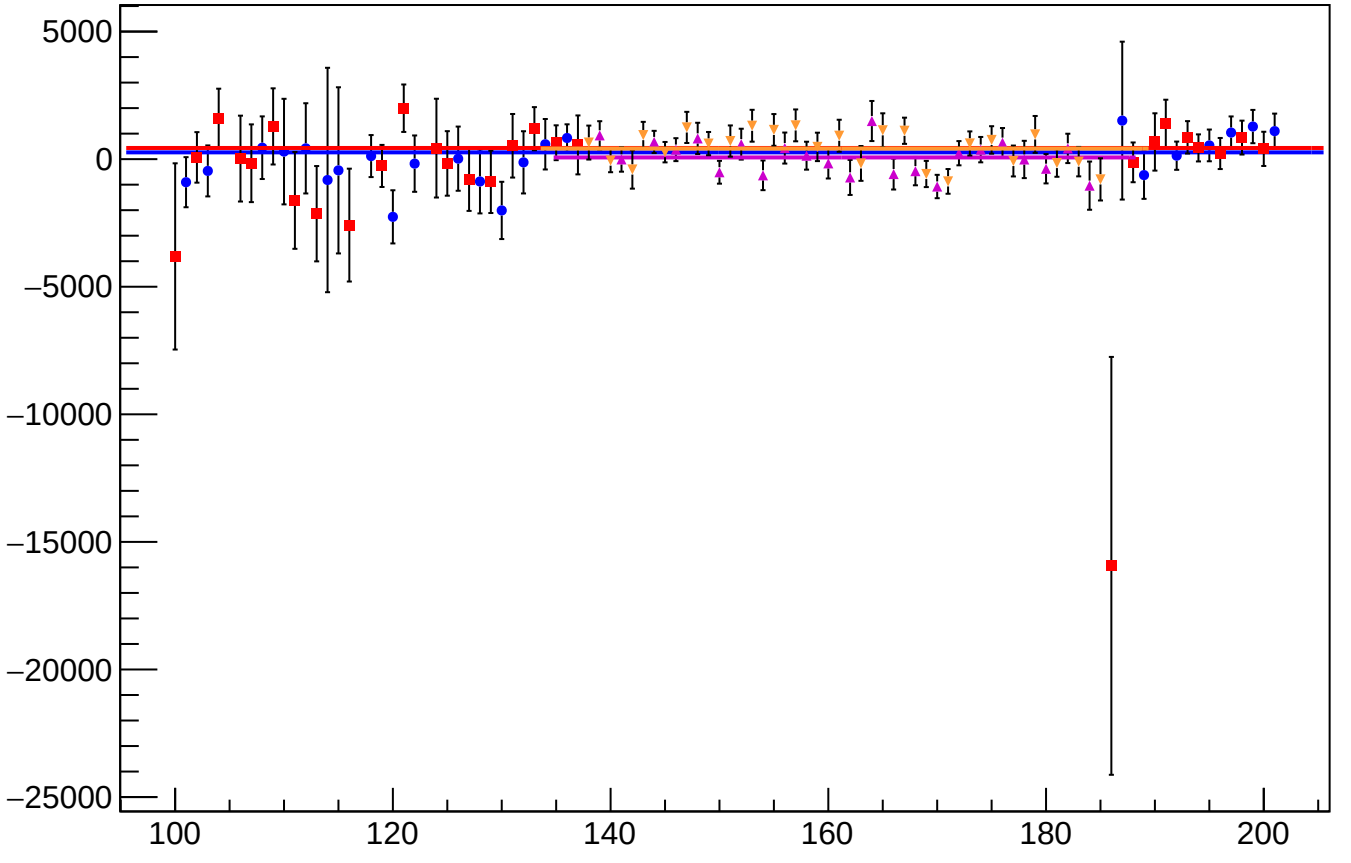
Right Out: 94.360+/-0.019 χ^2/NDF: 1272163.5/27

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 88.799+/-0.011 χ^2/NDF: 1547760.4/47

All: 89.377+/-0.008 χ^2/NDF: 3511742.0/98

- sign 89.968+/-0.011 χ^2/NDF: 1958710.1/50



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: 437.887+/-181.165 χ^2/NDF: 21.4/27

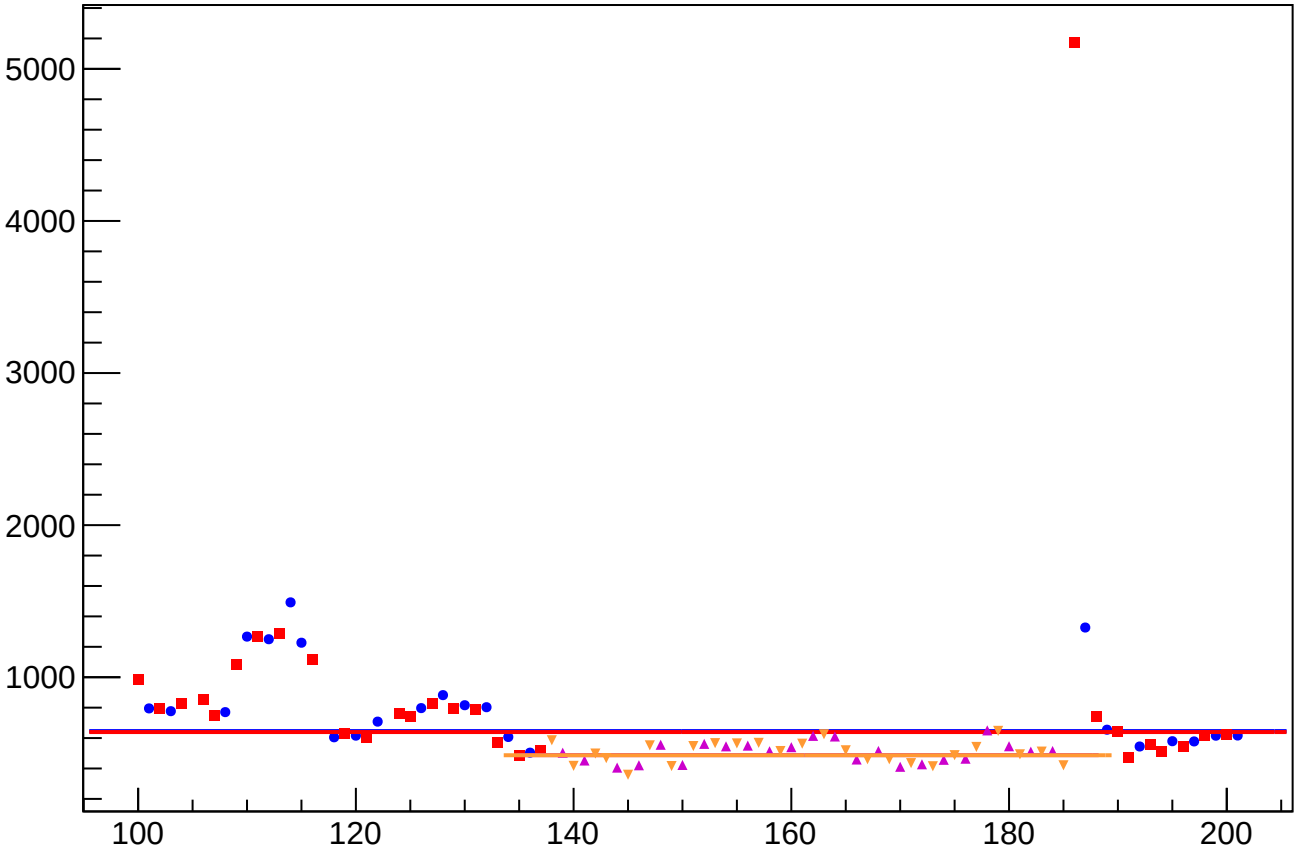
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

\+ sign 377.160+/-96.593 χ^2/NDF: 54.0/47

All: 276.288+/-68.565 χ^2/NDF: 108.2/98

\- sign 173.845+/-97.342 χ^2/NDF: 51.9/50

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: 639.574+/-0.128 χ^2/NDF: 2081583.7/27

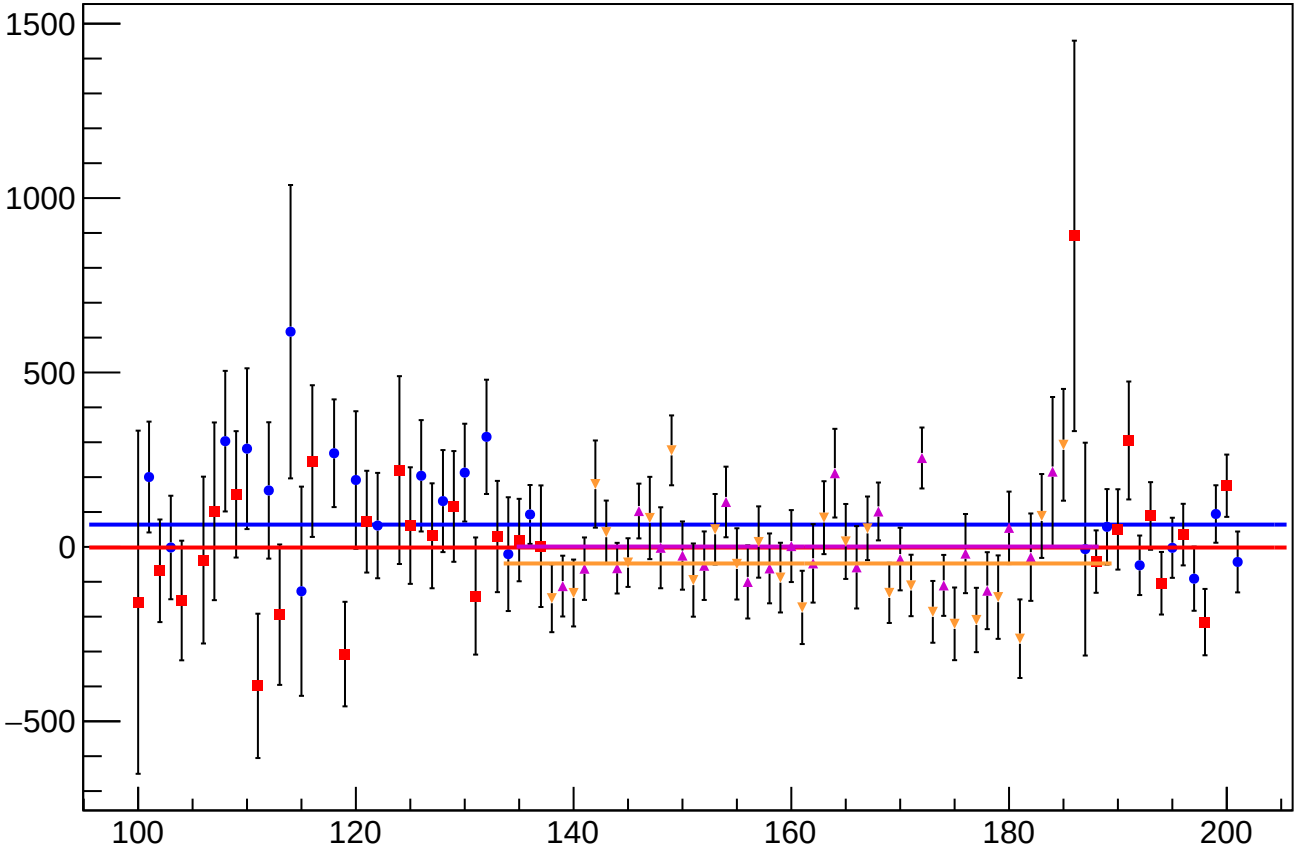
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 528.471+/-0.068 χ^2/NDF: 3069075.3/47

All: 530.078+/-0.048 χ^2/NDF: 6782785.3/98

- sign 531.711+/-0.069 χ^2/NDF: 3712593.9/50

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: -1.808+/-26.219 χ^2/NDF: 32.1/27

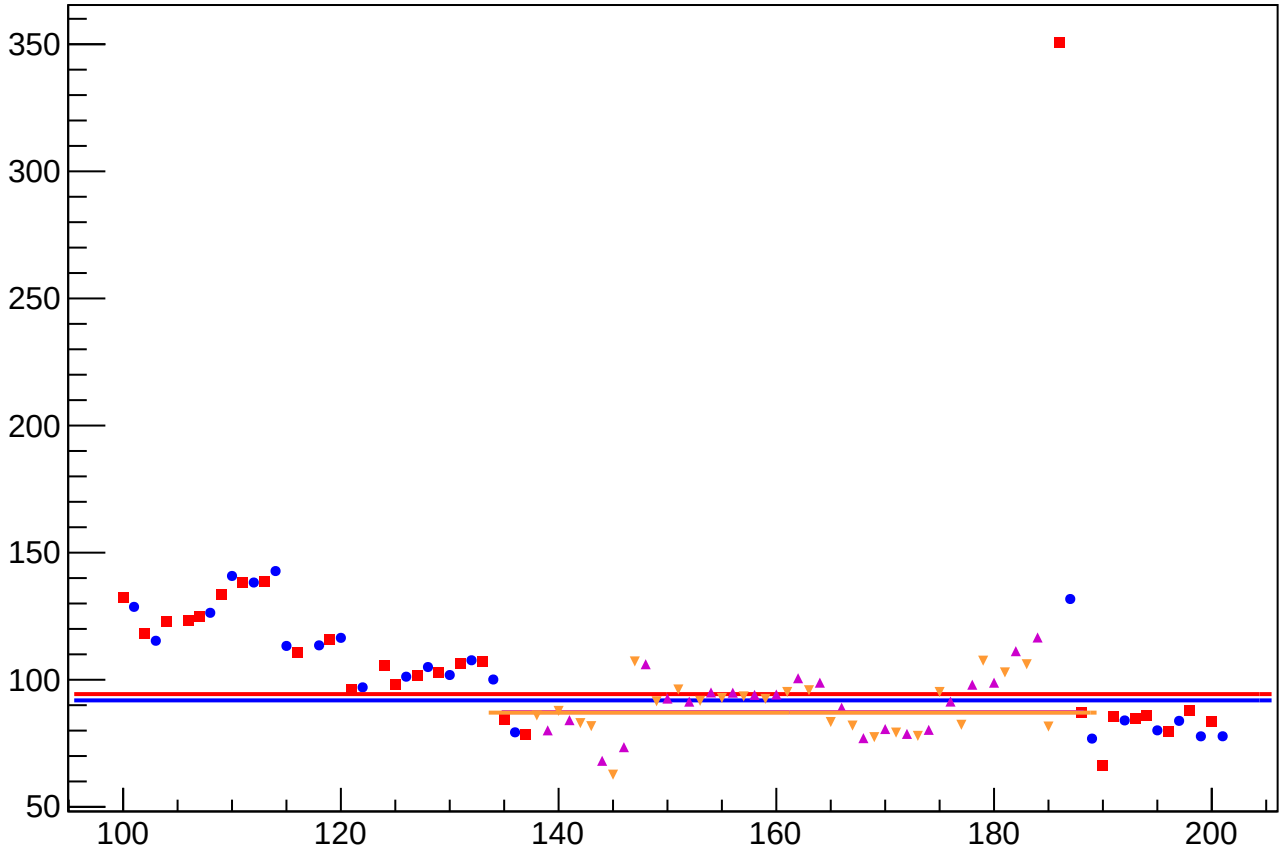
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.571+/-16.004 χ^2/NDF: 74.8/47

All: -3.871+/-11.385 χ^2/NDF: 132.4/98

- sign -0.080+/-16.200 χ^2/NDF: 57.5/50

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

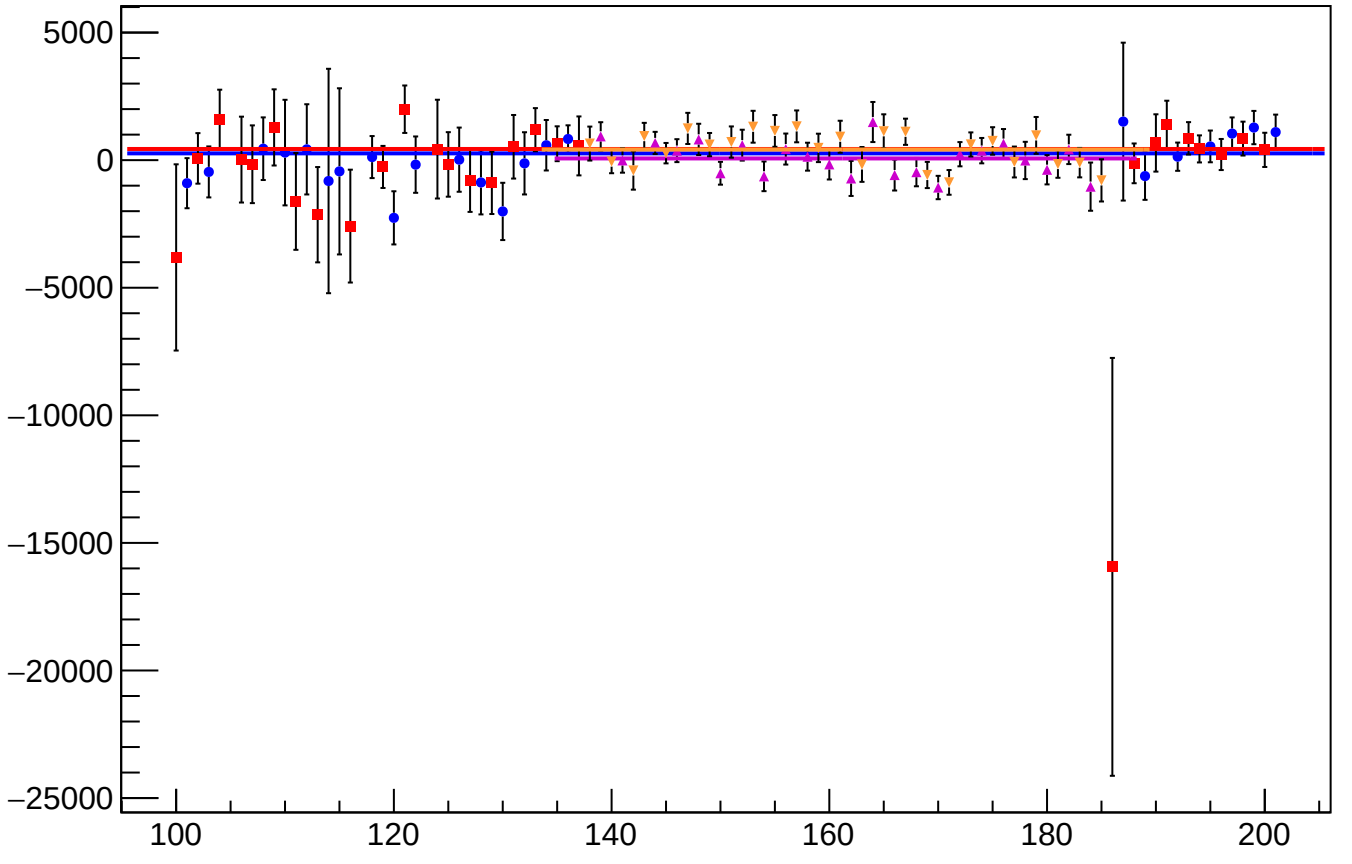
Right Out: 94.360+/-0.019 χ^2/NDF: 1272163.5/27

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 88.799+/-0.011 χ^2/NDF: 1547760.4/47

All: 89.377+/-0.008 χ^2/NDF: 3511742.0/98

- sign 89.968+/-0.011 χ^2/NDF: 1958710.1/50



Right In: 265.805+/-189.198 χ^2/NDF: 21.2/22

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

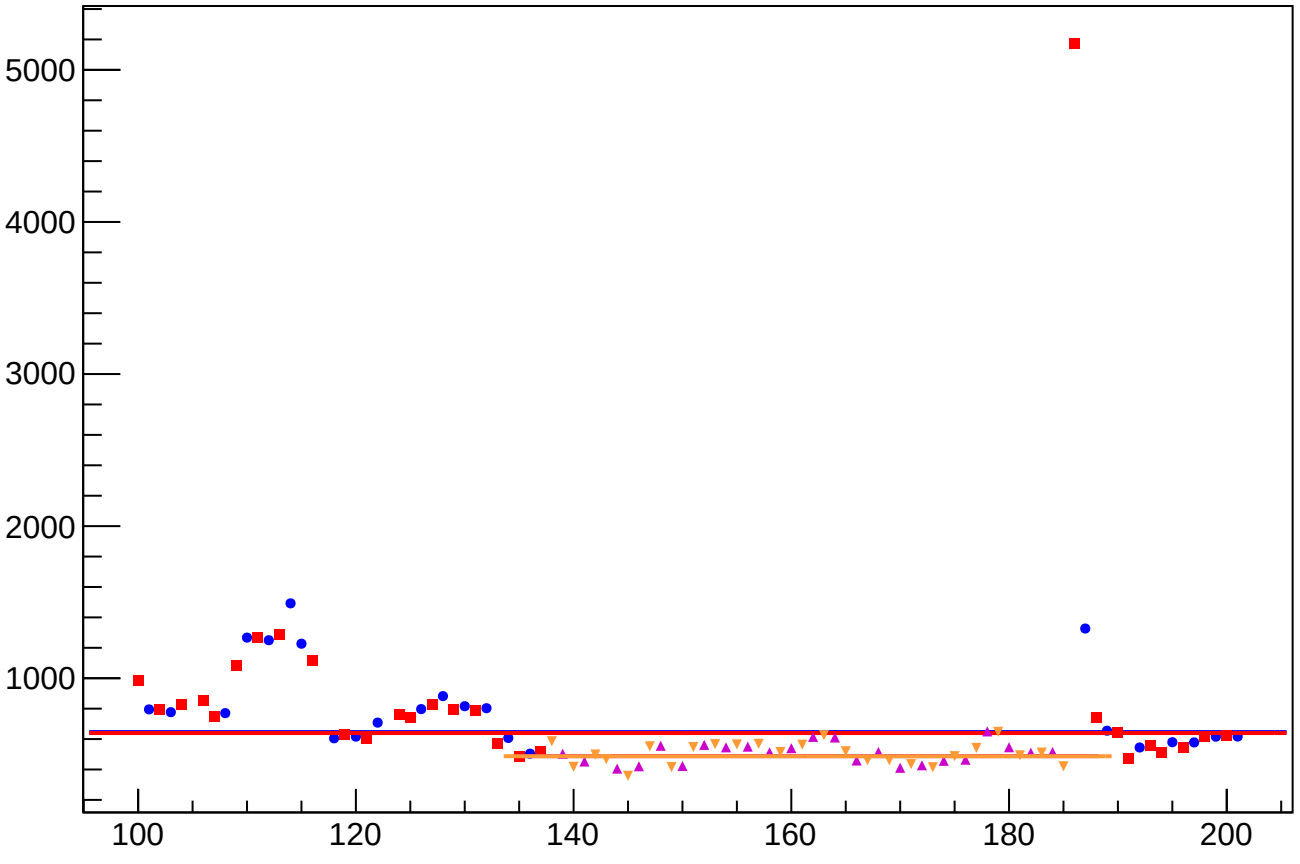
Right Out: 437.887+/-181.165 χ^2/NDF: 21.4/27

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

\+ sign 377.160+/-96.593 χ^2/NDF: 54.0/47

All: 276.288+/-68.565 χ^2/NDF: 108.2/98

\- sign 173.845+/-97.342 χ^2/NDF: 51.9/50



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: 639.574+/-0.128 χ^2/NDF: 2081583.7/27

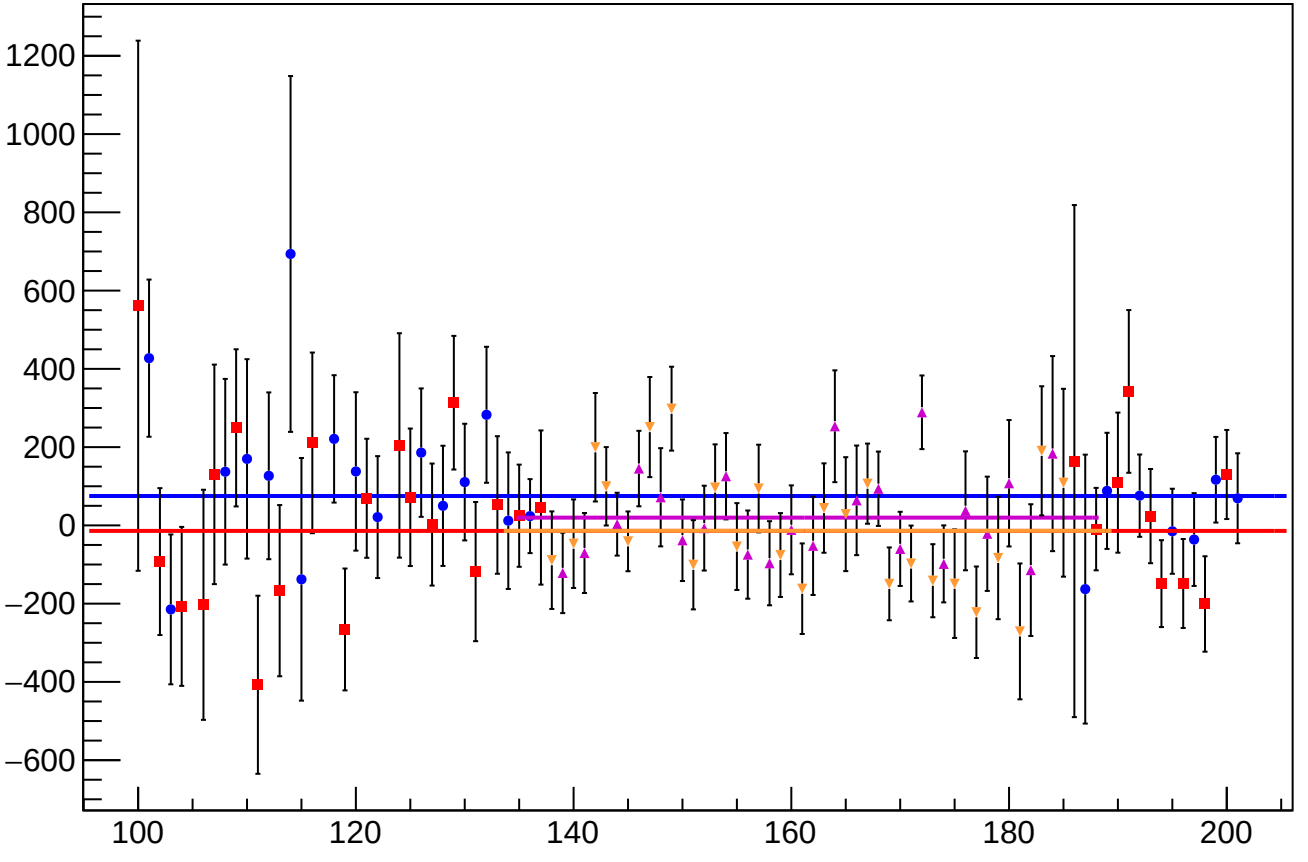
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 528.471+/-0.068 χ^2/NDF: 3069075.3/47

All: 530.078+/-0.048 χ^2/NDF: 6782785.3/98

- sign 531.711+/-0.069 χ^2/NDF: 3712593.9/50

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: -14.101+/-31.094 χ^2/NDF: 27.1/27

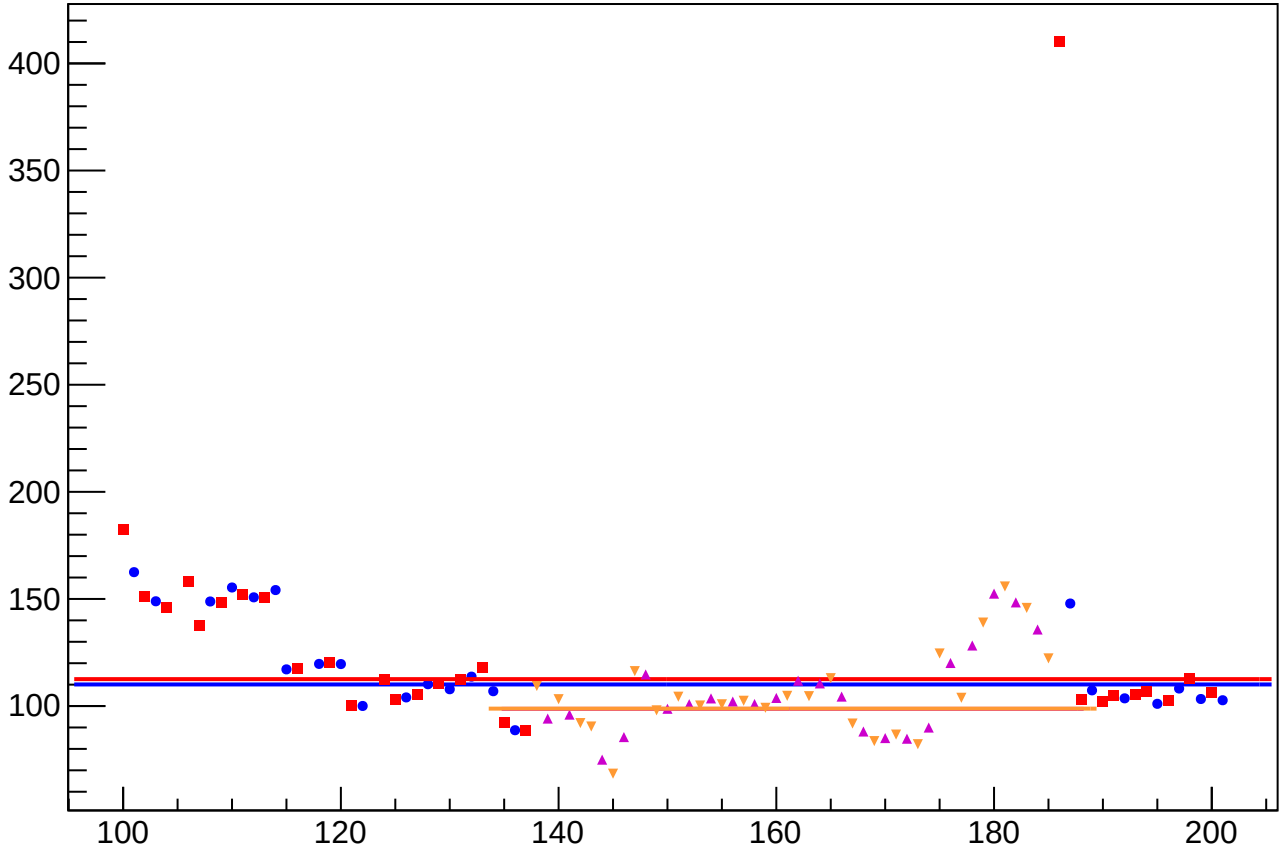
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 16.479+/-18.596 χ^2/NDF: 55.1/47

All: 12.000+/-13.215 χ^2/NDF: 106.4/98

\- sign 7.431+/-18.784 χ^2/NDF: 51.2/50

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: 112.570+/-0.022 χ^2/NDF: 991294.2/27

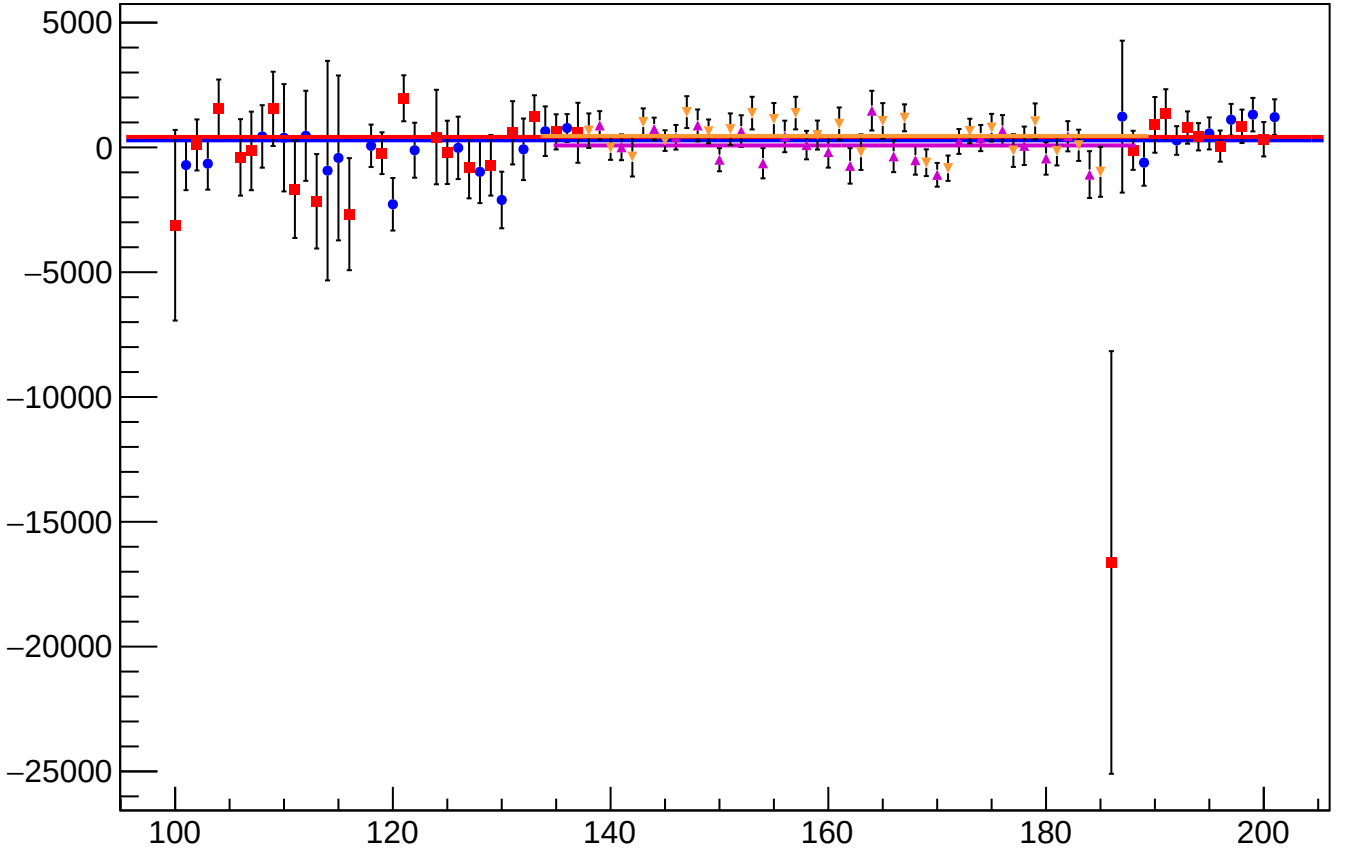
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.652+/-0.013 χ^2/NDF: 1968162.0/47

All: 103.193+/-0.009 χ^2/NDF: 4204421.8/98

- sign 103.745+/-0.013 χ^2/NDF: 2232841.9/50

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: 419.601+/-184.199 χ^2/NDF: 21.1/27

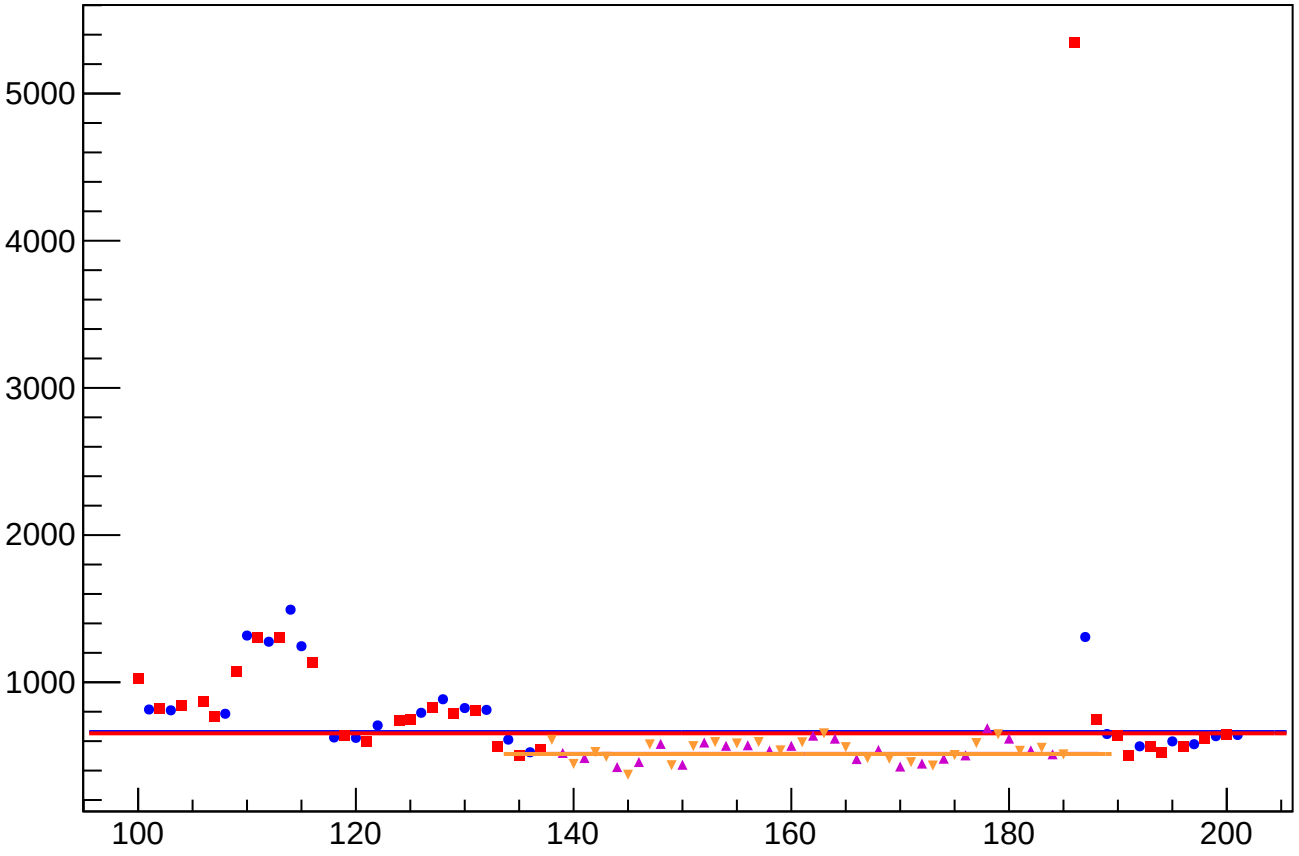
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 411.443+/-100.827 χ^2/NDF: 52.9/47

All: 297.377+/-71.492 χ^2/NDF: 105.2/98

- sign 182.042+/-101.386 χ^2/NDF: 49.7/50

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: 653.026+/-0.130 χ^2/NDF: 2027182.5/27

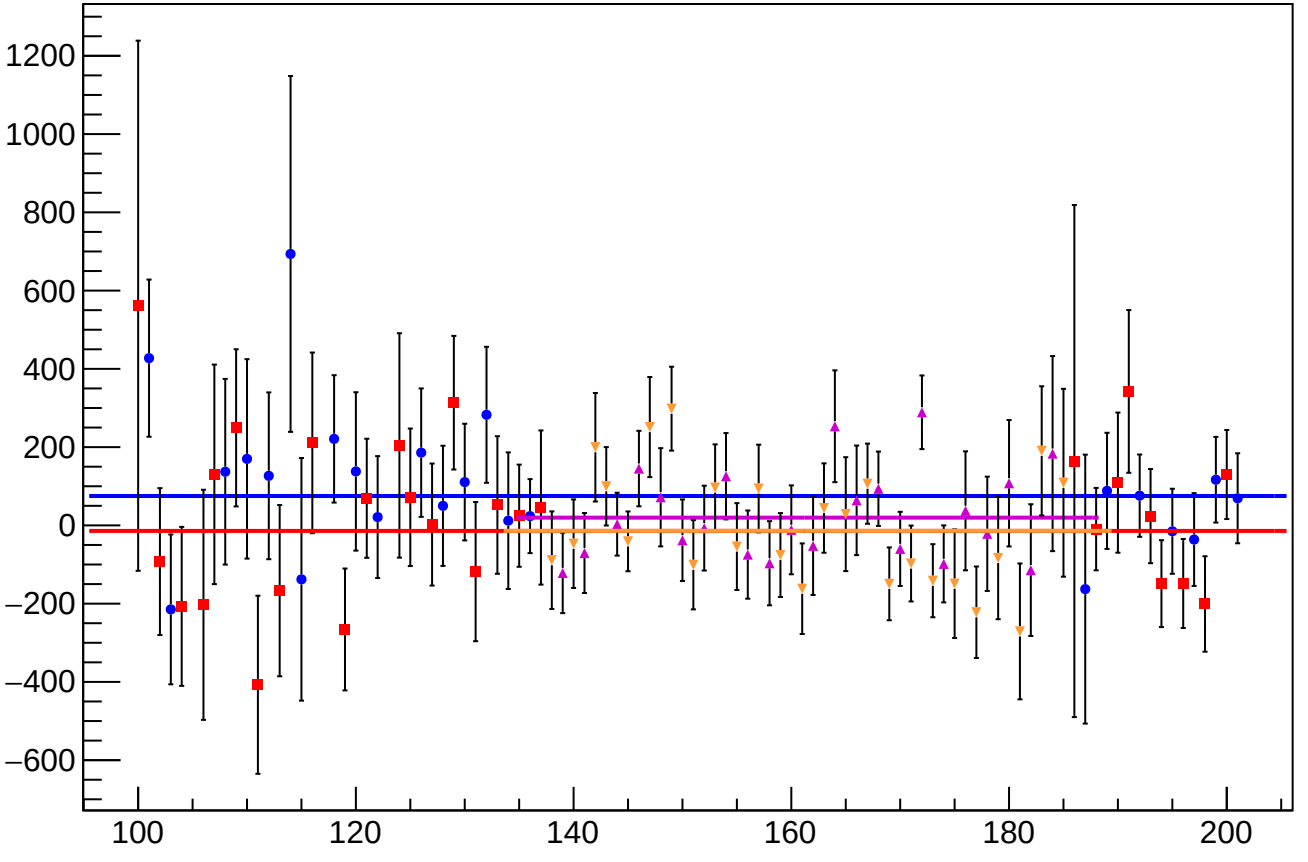
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 553.191+/-0.071 χ^2/NDF: 2819391.5/47

All: 554.430+/-0.051 χ^2/NDF: 6282491.9/98

- sign 555.683+/-0.072 χ^2/NDF: 3462492.9/50

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: -14.102+/-31.094 χ^2/NDF: 27.1/27

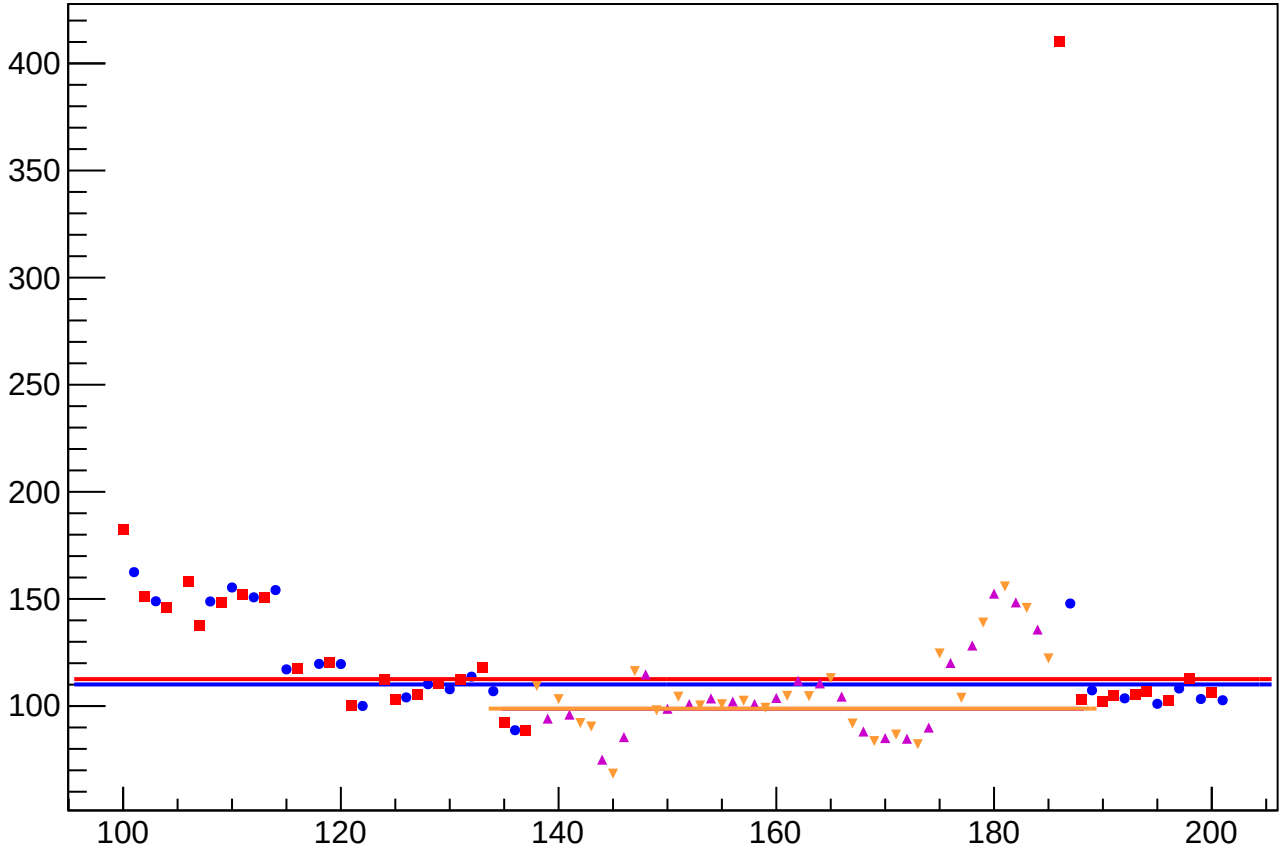
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 16.477+/-18.596 χ^2/NDF: 55.1/47

All: 11.999+/-13.215 χ^2/NDF: 106.4/98

\- sign 7.431+/-18.784 χ^2/NDF: 51.2/50

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

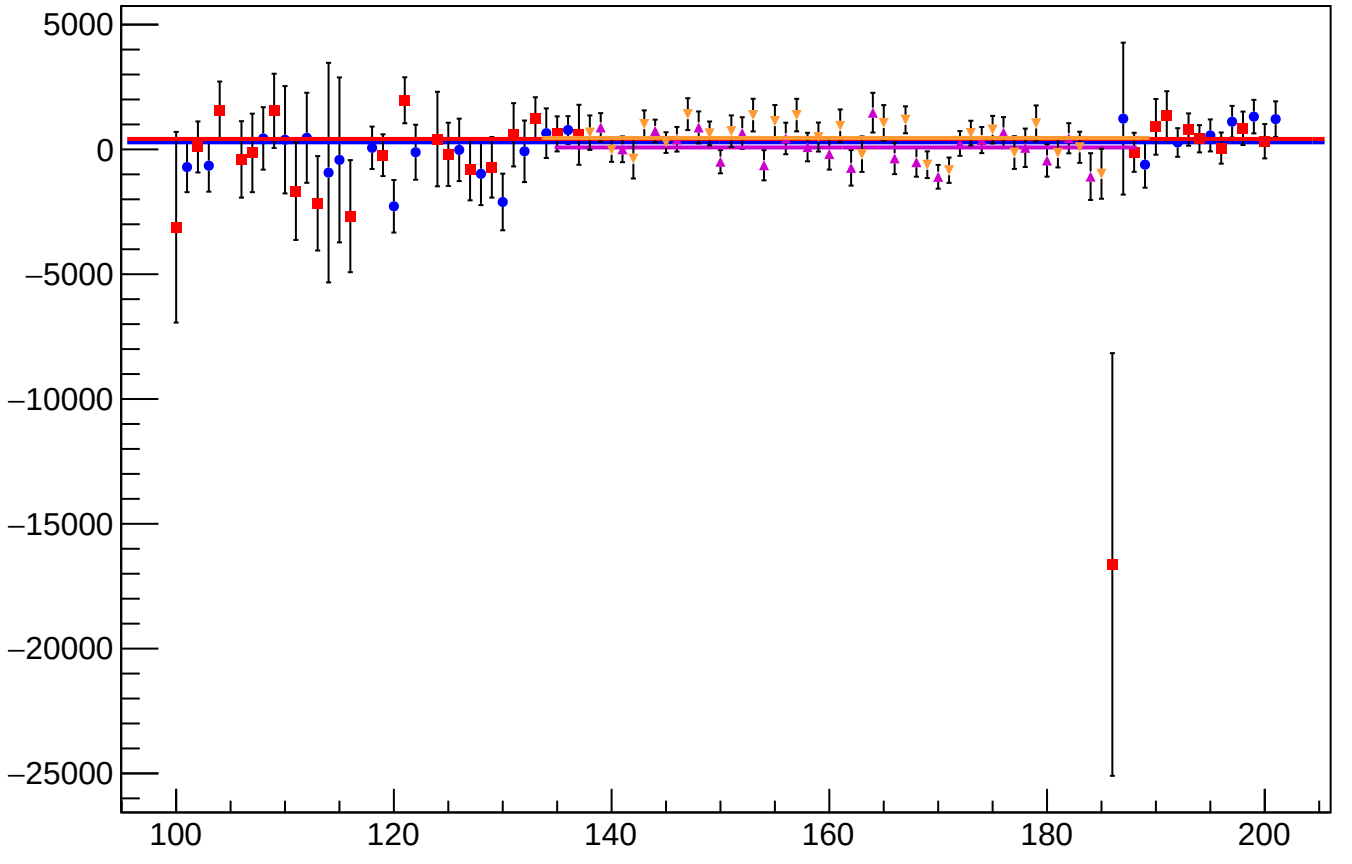
Right Out: 112.570+/-0.022 χ^2/NDF: 991279.5/27

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.652+/-0.013 χ^2/NDF: 1968158.0/47

All: 103.193+/-0.009 χ^2/NDF: 4204399.0/98

- sign 103.745+/-0.013 χ^2/NDF: 2232823.0/50



Right In: 283.431+/-193.589 χ^2/NDF: 21.5/22

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

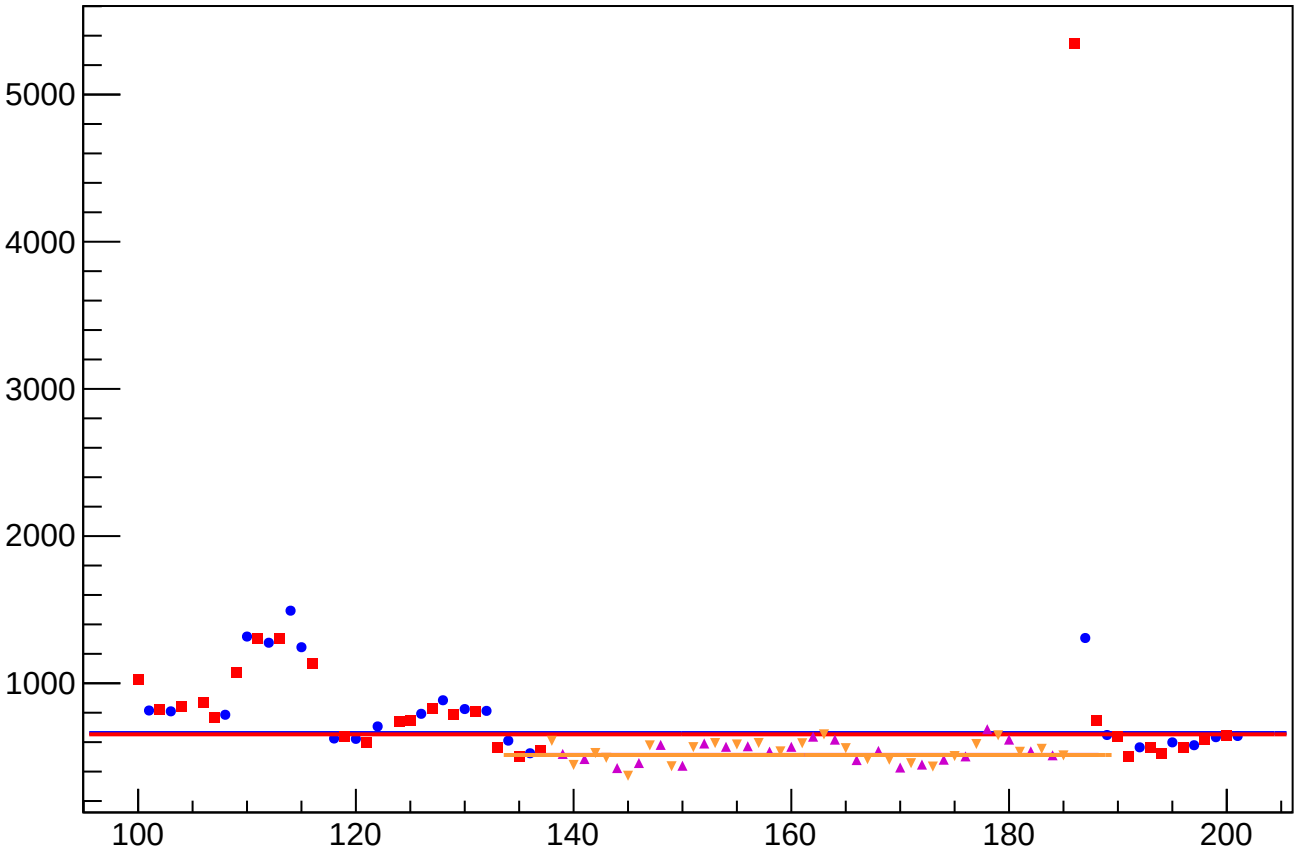
Right Out: 419.600+/-184.199 χ^2/NDF: 21.1/27

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 411.442+/-100.827 χ^2/NDF: 52.9/47

All: 297.376+/-71.492 χ^2/NDF: 105.2/98

- sign 182.042+/-101.386 χ^2/NDF: 49.7/50



Right In: 661.783+/-0.137 χ^2/NDF: 1156576.3/22

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

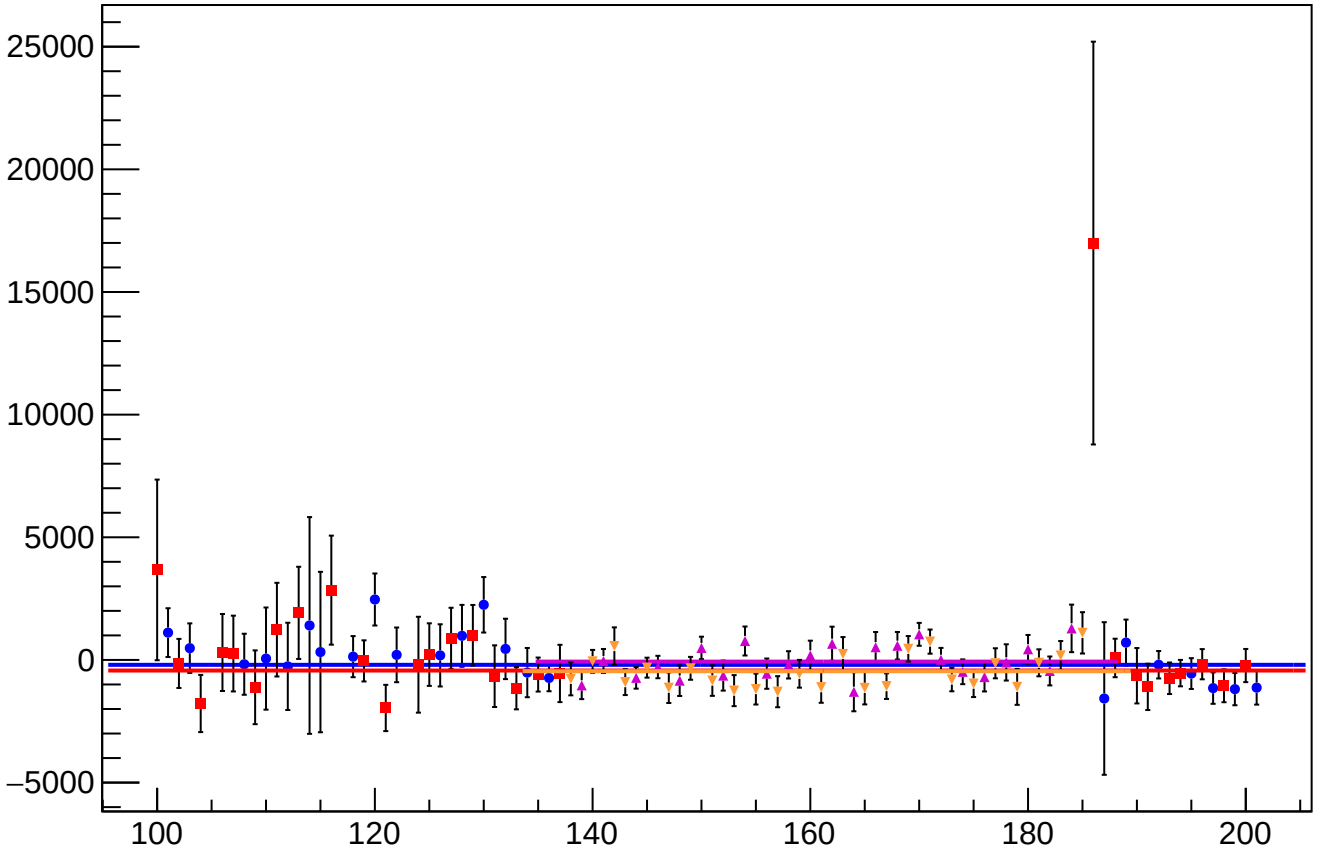
Right Out: 653.024+/-0.130 χ^2/NDF: 2027179.3/27

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 553.190+/-0.071 χ^2/NDF: 2819383.5/47

All: 554.430+/-0.051 χ^2/NDF: 6282468.4/98

- sign 555.682+/-0.072 χ^2/NDF: 3462477.4/50



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: -431.184+/-183.122 χ^2/NDF: 21.0/27

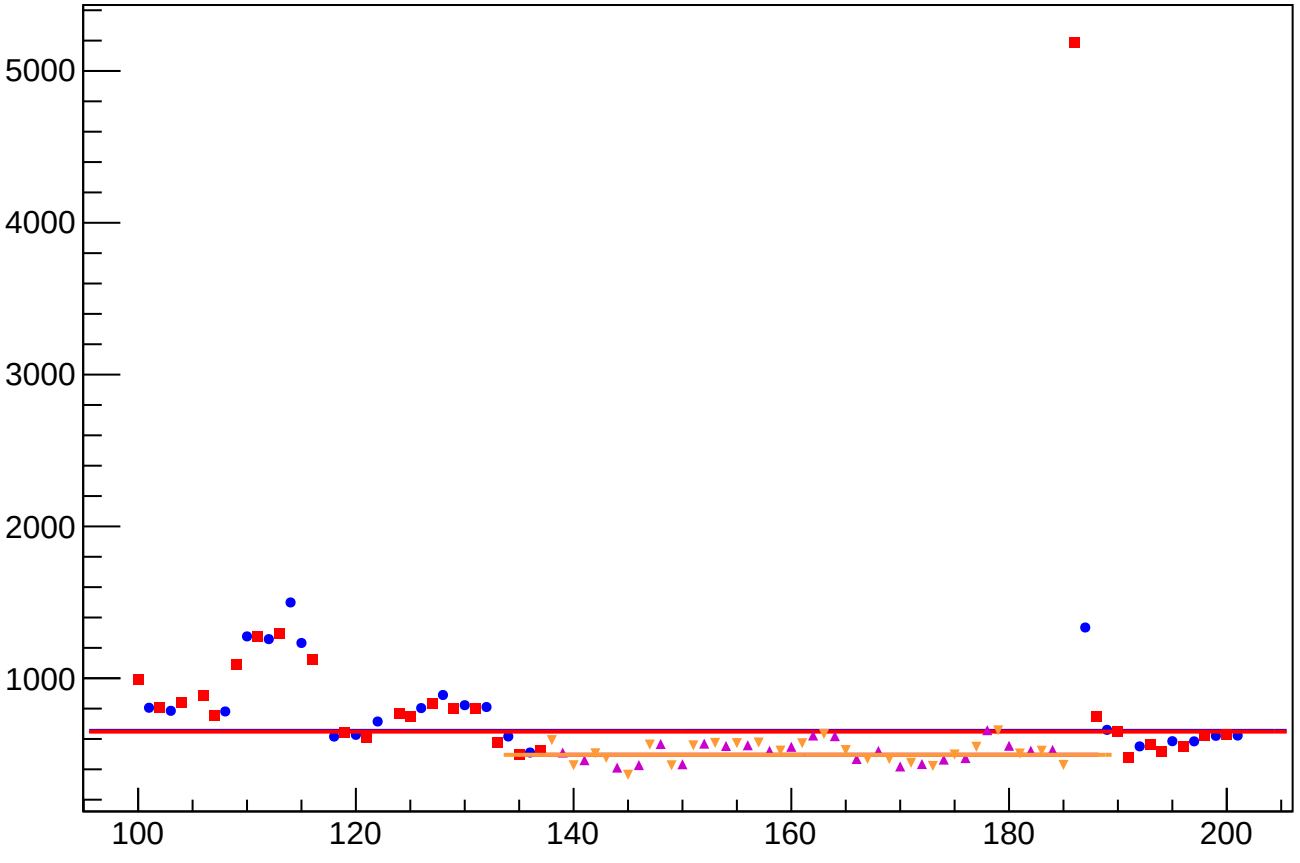
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -391.394+/-98.079 χ^2/NDF: 55.9/47

All: -283.397+/-69.610 χ^2/NDF: 110.8/98

- sign -173.779+/-98.813 χ^2/NDF: 52.4/50

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

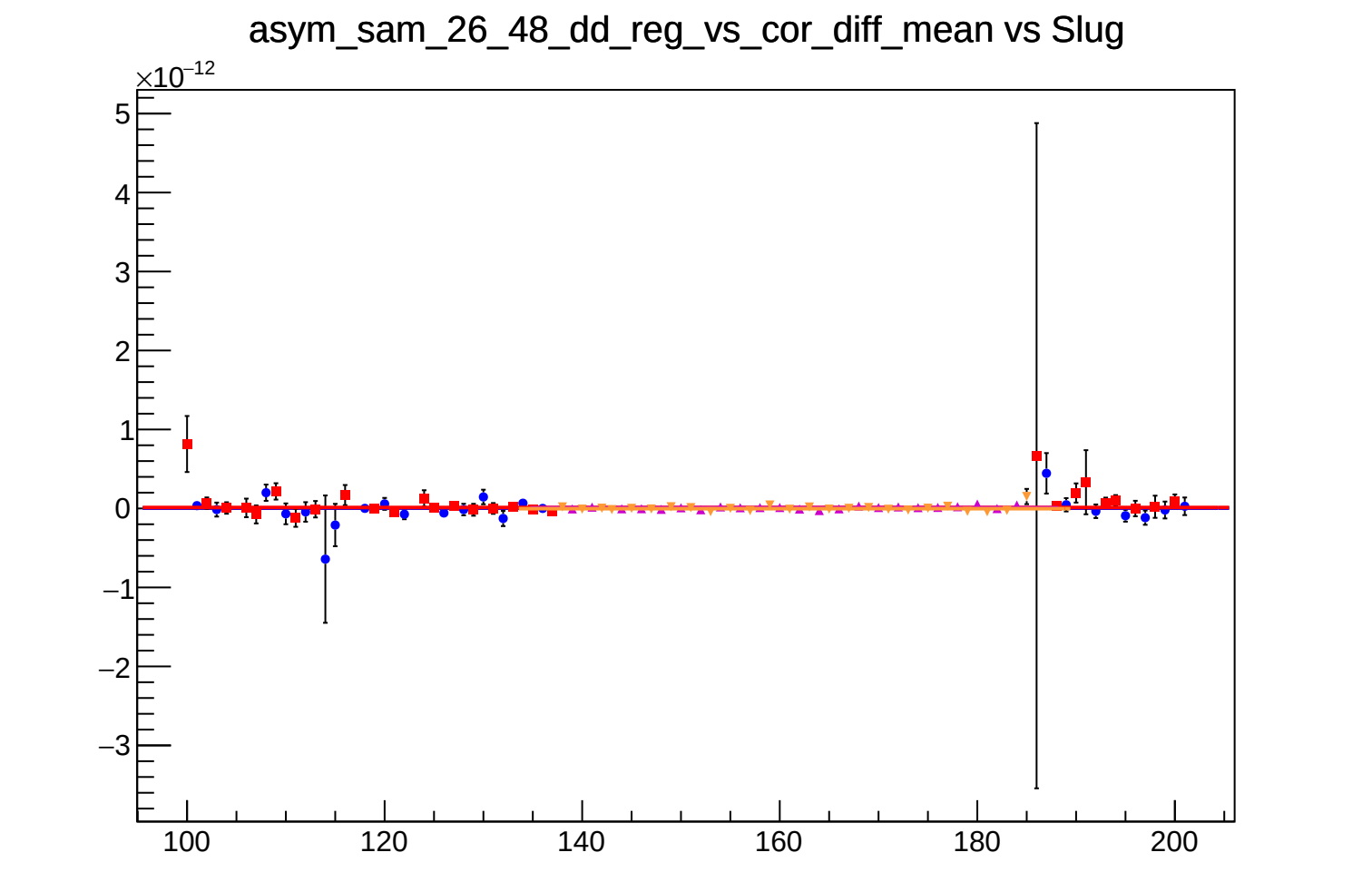
Right Out: 648.362+/-0.129 χ^2/NDF: 2072123.8/27

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 536.991+/-0.069 χ^2/NDF: 3001159.5/47

All: 538.773+/-0.049 χ^2/NDF: 6674409.7/98

- sign 540.581+/-0.070 χ^2/NDF: 3671920.7/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

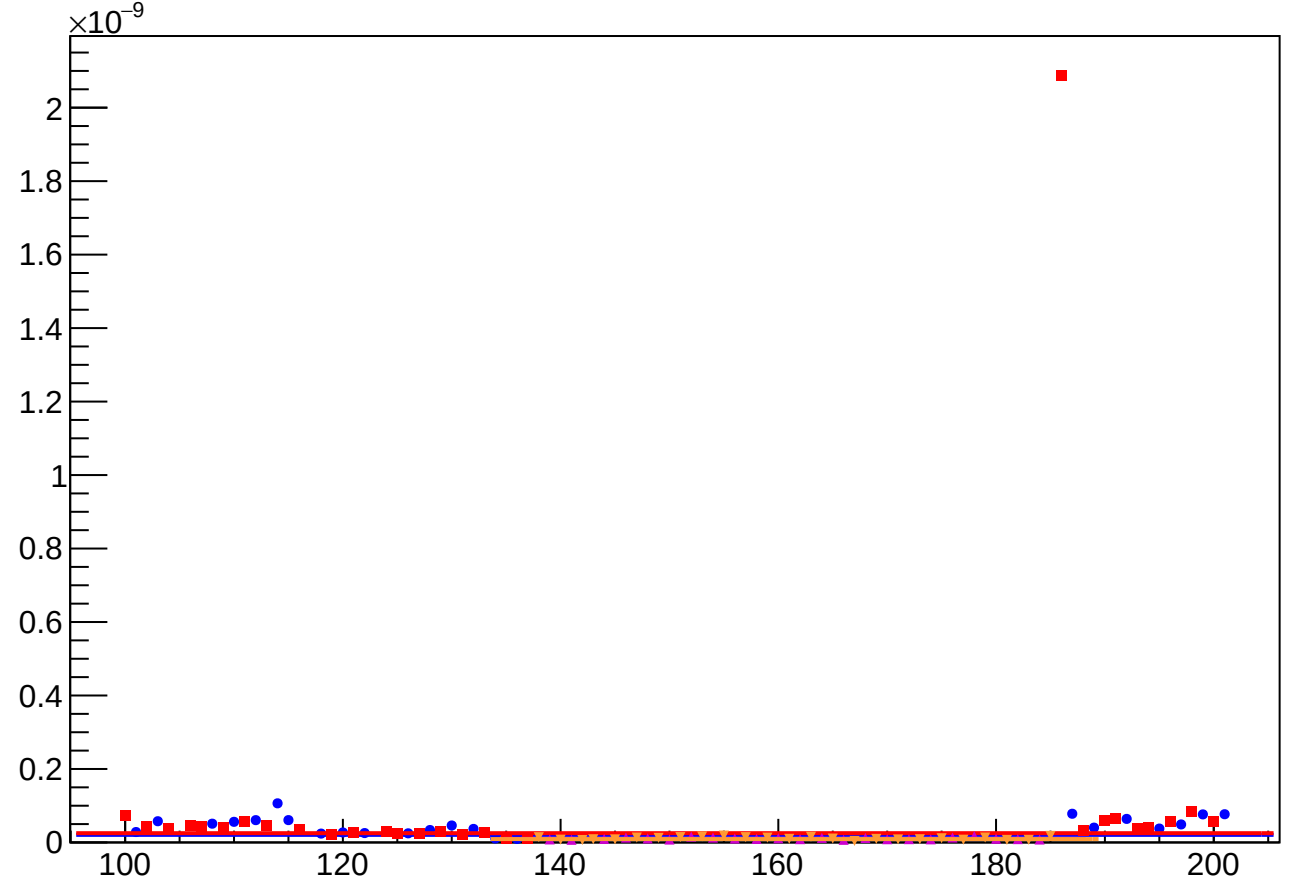
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/27

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: 94.7/98

- sign 0.000+/-0.000 χ^2/NDF: 40.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 4608148.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

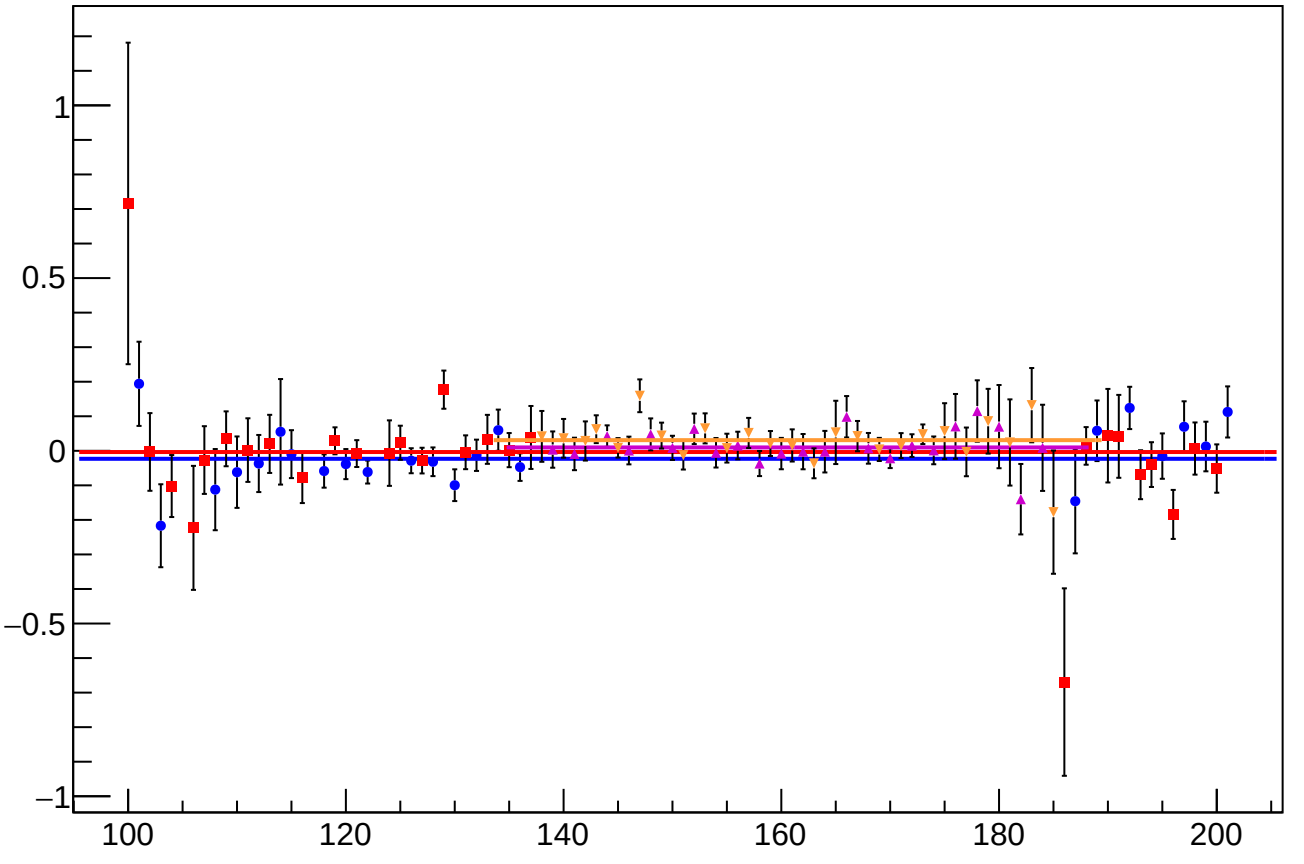
Right Out: 0.000+/-0.000 χ^2/NDF: 3577043.4/27

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: 15596296.4/98

- sign 0.000+/-0.000 χ^2/NDF: 7128965.3/50



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: -0.004+/-0.012 χ^2/NDF: 33.6/27

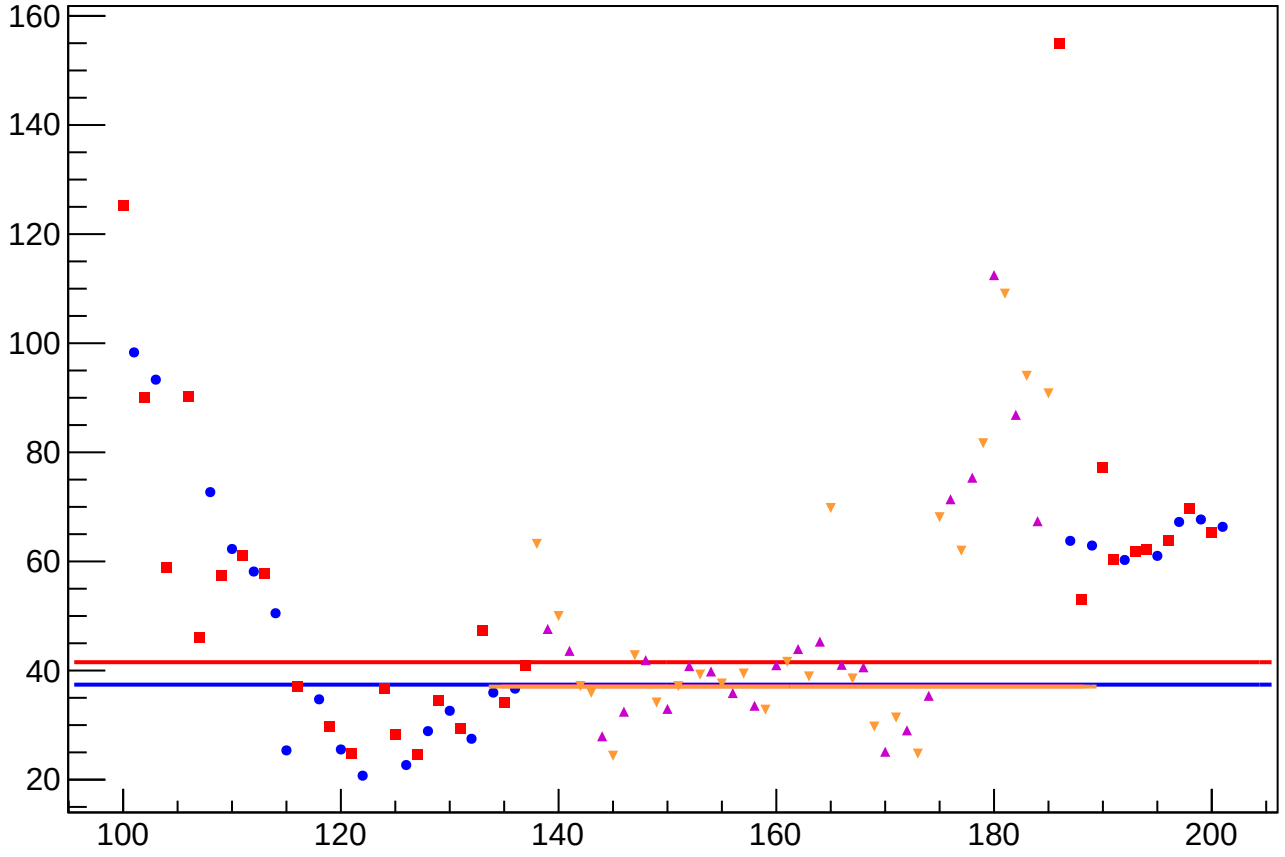
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.011+/-0.007 χ^2/NDF: 57.2/47

All: 0.008+/-0.005 χ^2/NDF: 105.1/98

- sign 0.005+/-0.007 χ^2/NDF: 47.6/50

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

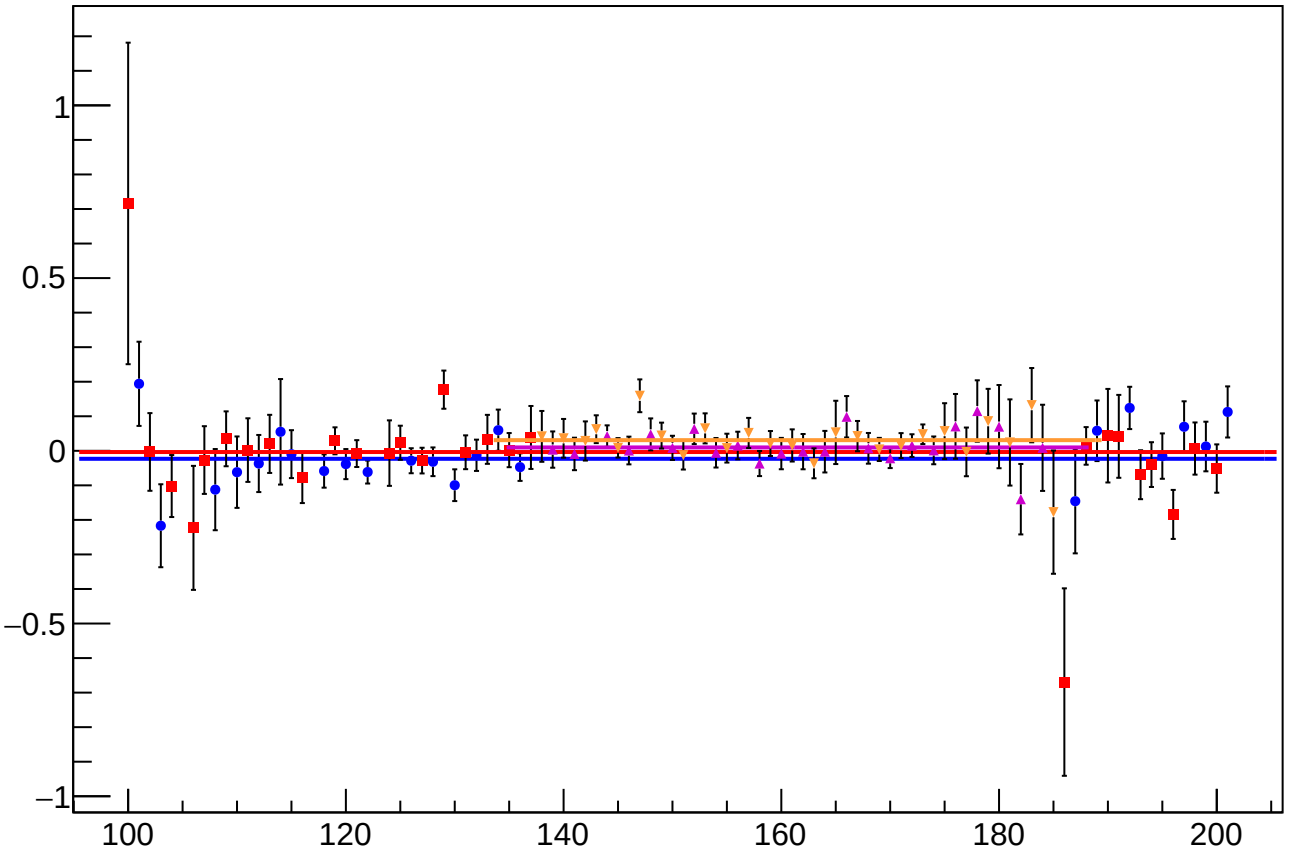
Right Out: 41.529+/-0.009 χ^2/NDF: 3949715.2/27

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 37.189+/-0.005 χ^2/NDF: 8431591.2/47

All: 37.932+/-0.004 χ^2/NDF: 15597387.4/98

- sign 38.723+/-0.005 χ^2/NDF: 7122442.7/50



Right In: -0.023+/-0.012 χ^2/NDF: 26.5/22

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

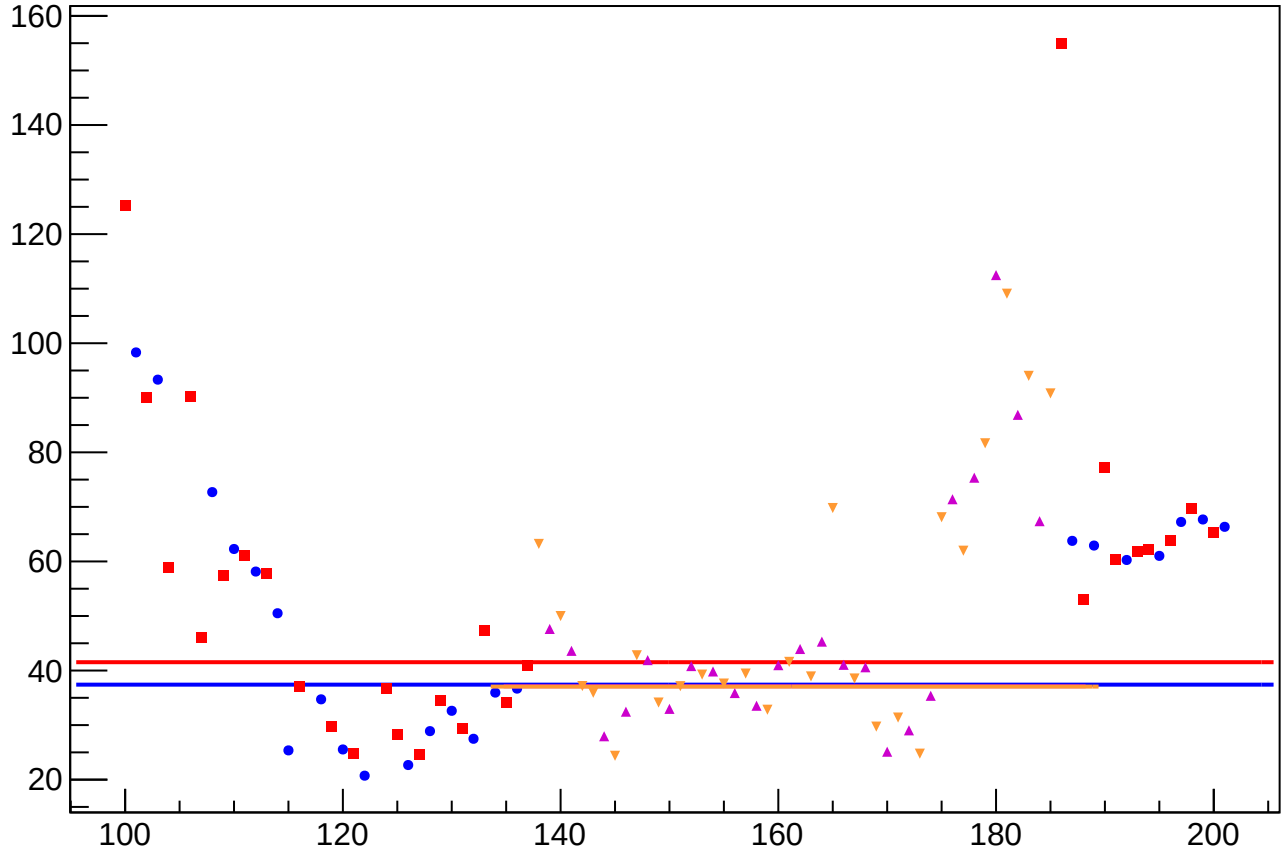
Right Out: -0.004+/-0.012 χ^2/NDF: 33.6/27

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: 105.1/98

- sign 0.005+/-0.007 χ^2/NDF: 47.6/50



Right In: 37.414+/-0.008 χ^2/NDF: 4376743.7/22

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

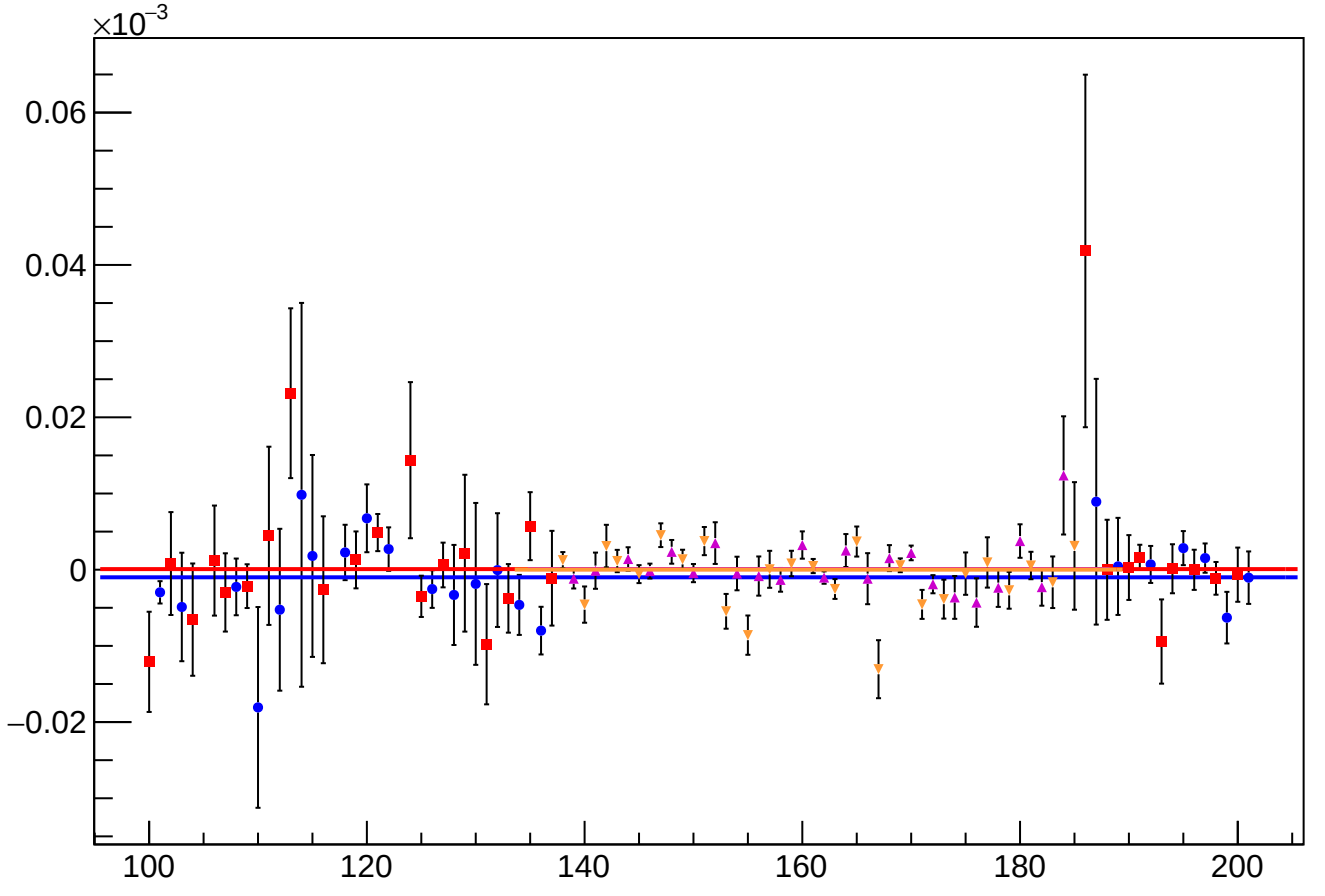
Right Out: 41.529+/-0.009 χ^2/NDF: 3949715.2/27

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 37.189+/-0.005 χ^2/NDF: 8431591.2/47

All: 37.932+/-0.004 χ^2/NDF: 15597387.4/98

- sign 38.723+/-0.005 χ^2/NDF: 7122442.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

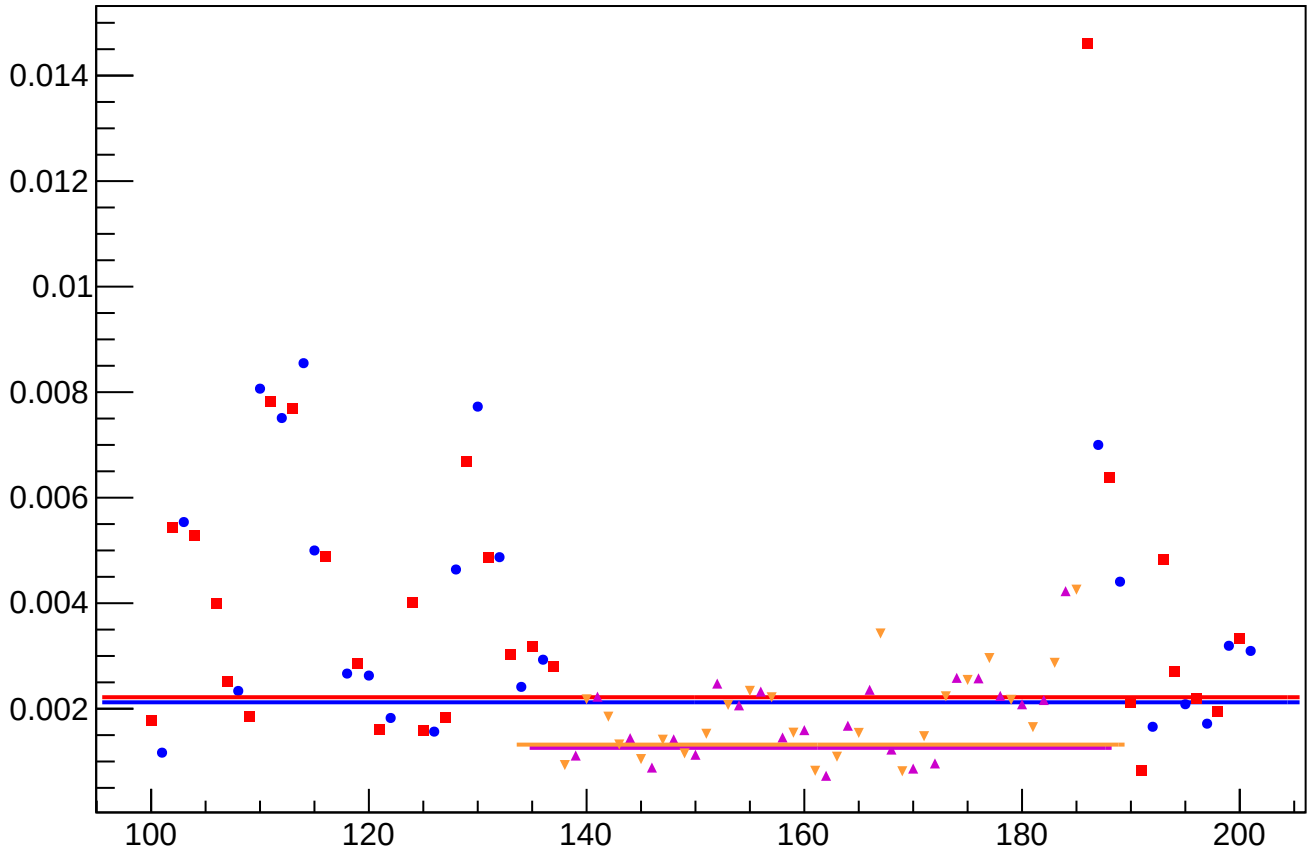
Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/27

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: 155.0/98

- sign 0.000+/-0.000 χ^2/NDF: 61.1/50



Right In: 0.002+/-0.000 χ^2/NDF: 4884670.1/22

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

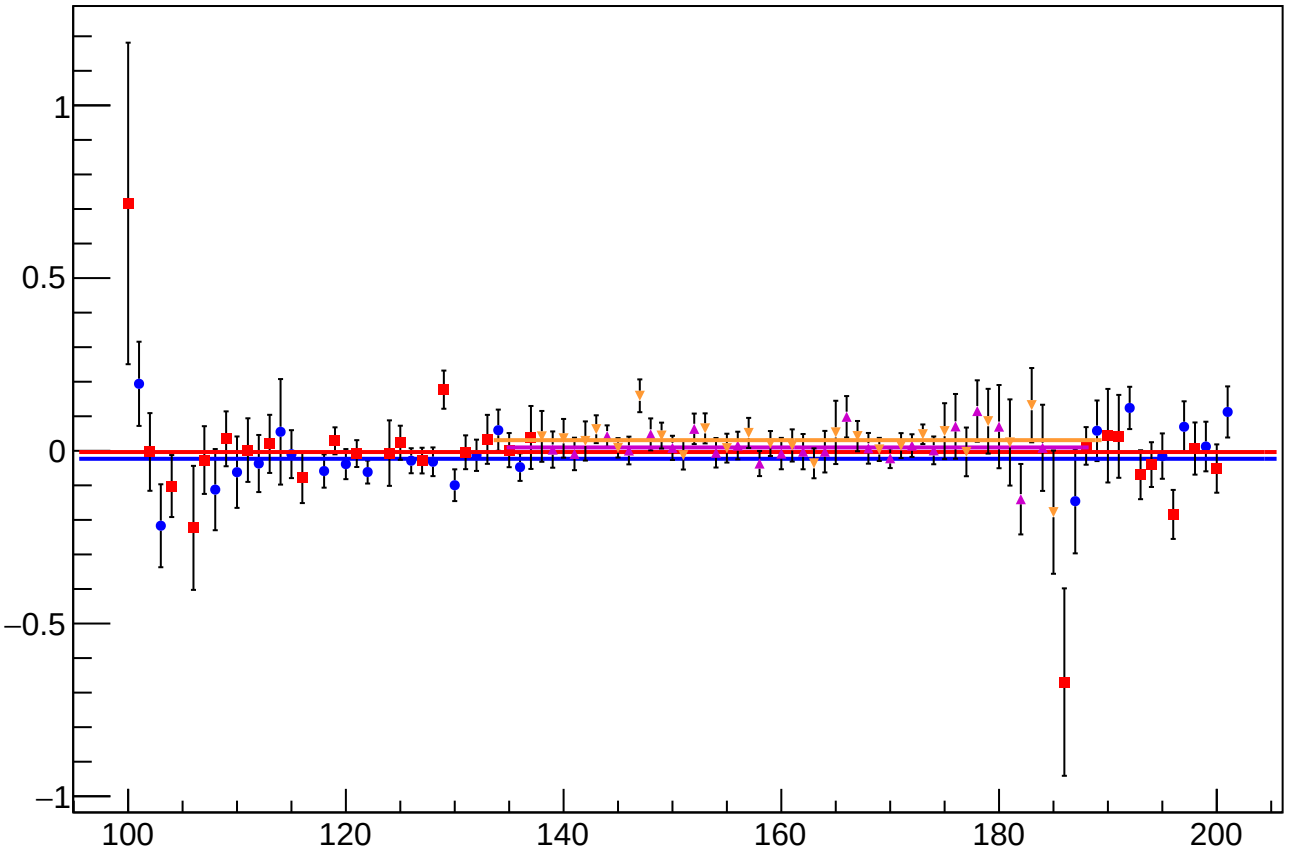
Right Out: 0.002+/-0.000 χ^2/NDF: 6782338.6/27

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: 27805174.3/98

- sign 0.001+/-0.000 χ^2/NDF: 15116297.2/50



Right In: -0.023+/-0.012 χ^2/NDF: 26.5/22

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

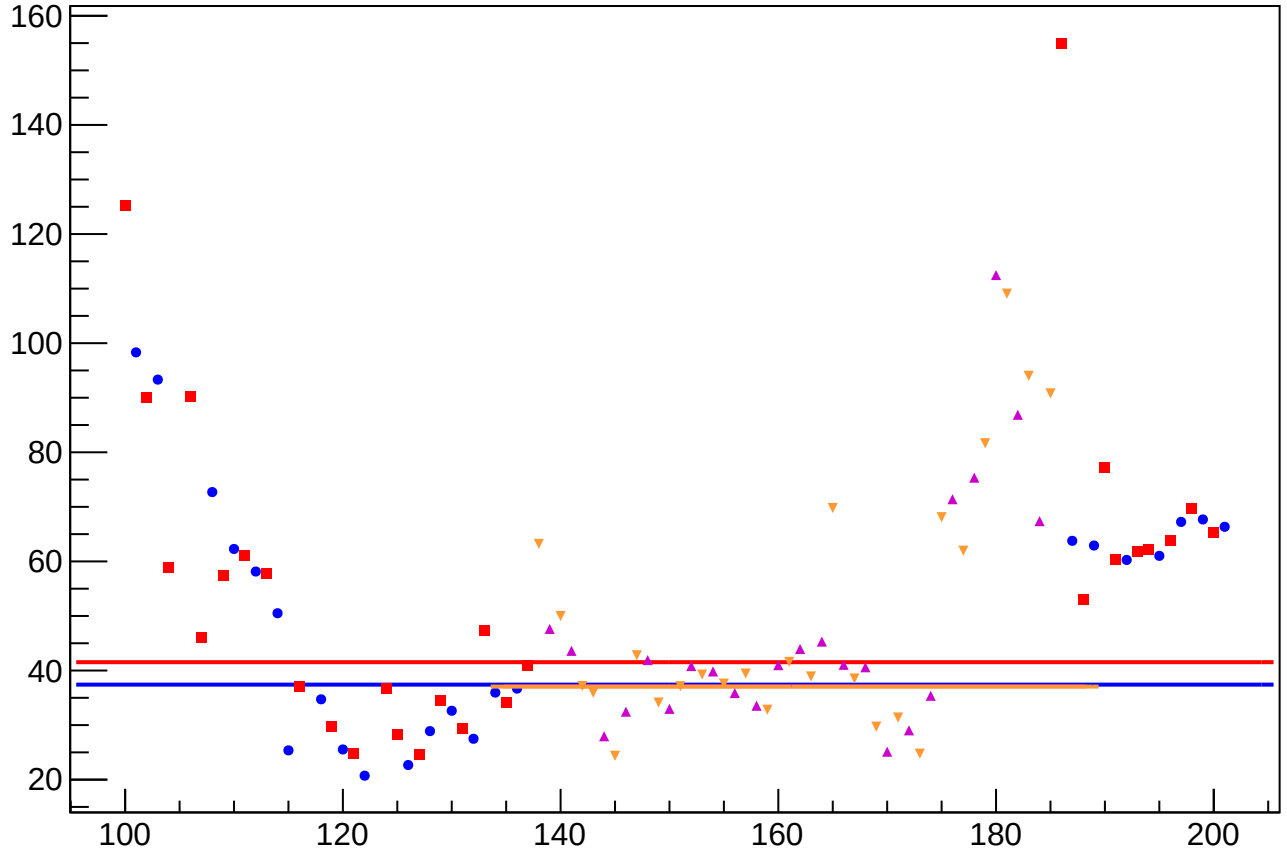
Right Out: -0.004+/-0.012 χ^2/NDF: 33.6/27

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: 105.1/98

- sign 0.005+/-0.007 χ^2/NDF: 47.6/50



Right In: 37.415+/-0.008 χ^2/NDF: 4376675.2/22

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

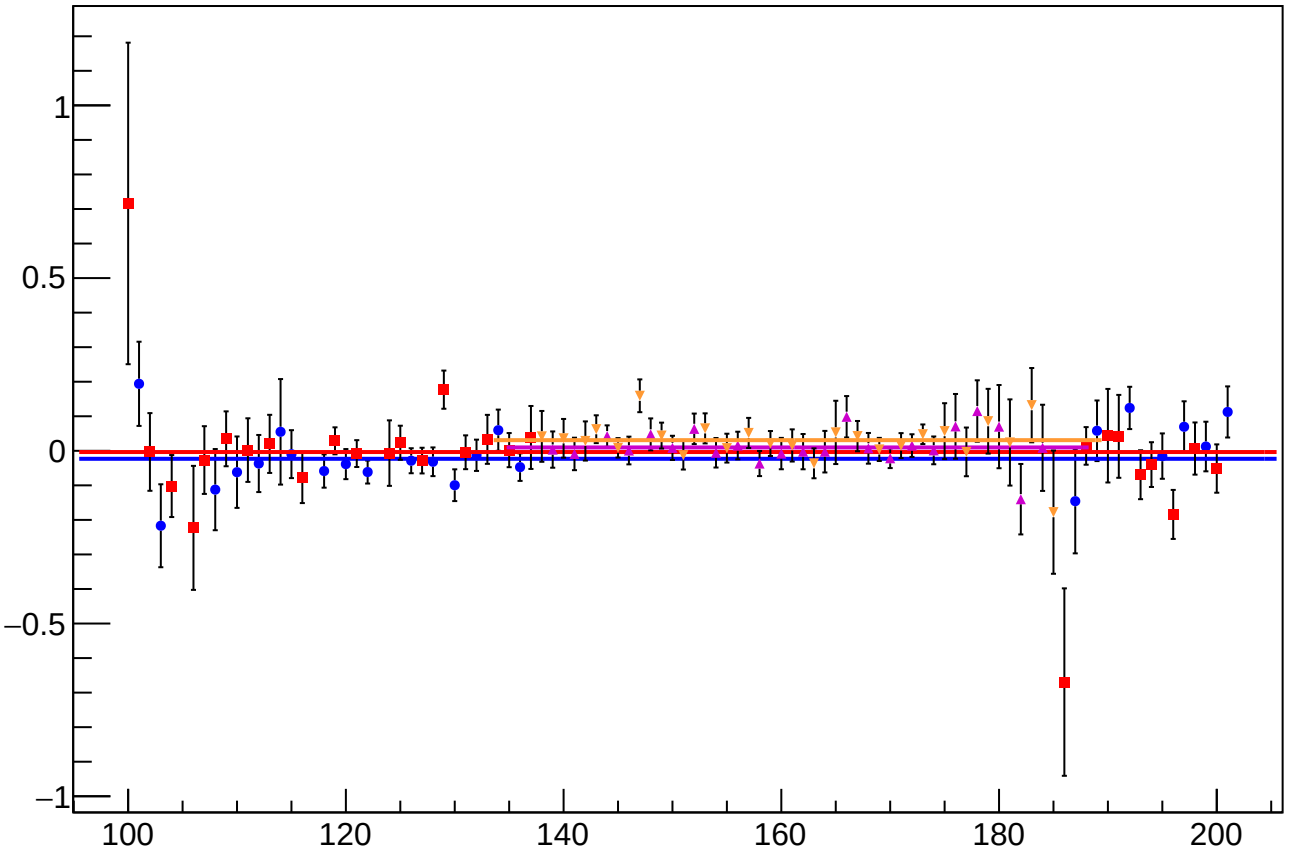
Right Out: 41.530+/-0.009 χ^2/NDF: 3949530.6/27

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 37.189+/-0.005 χ^2/NDF: 8431534.3/47

All: 37.932+/-0.004 χ^2/NDF: 15597153.3/98

- sign 38.724+/-0.005 χ^2/NDF: 7122265.8/50



Right In: -0.023+/-0.012 χ^2/NDF: 26.5/22

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

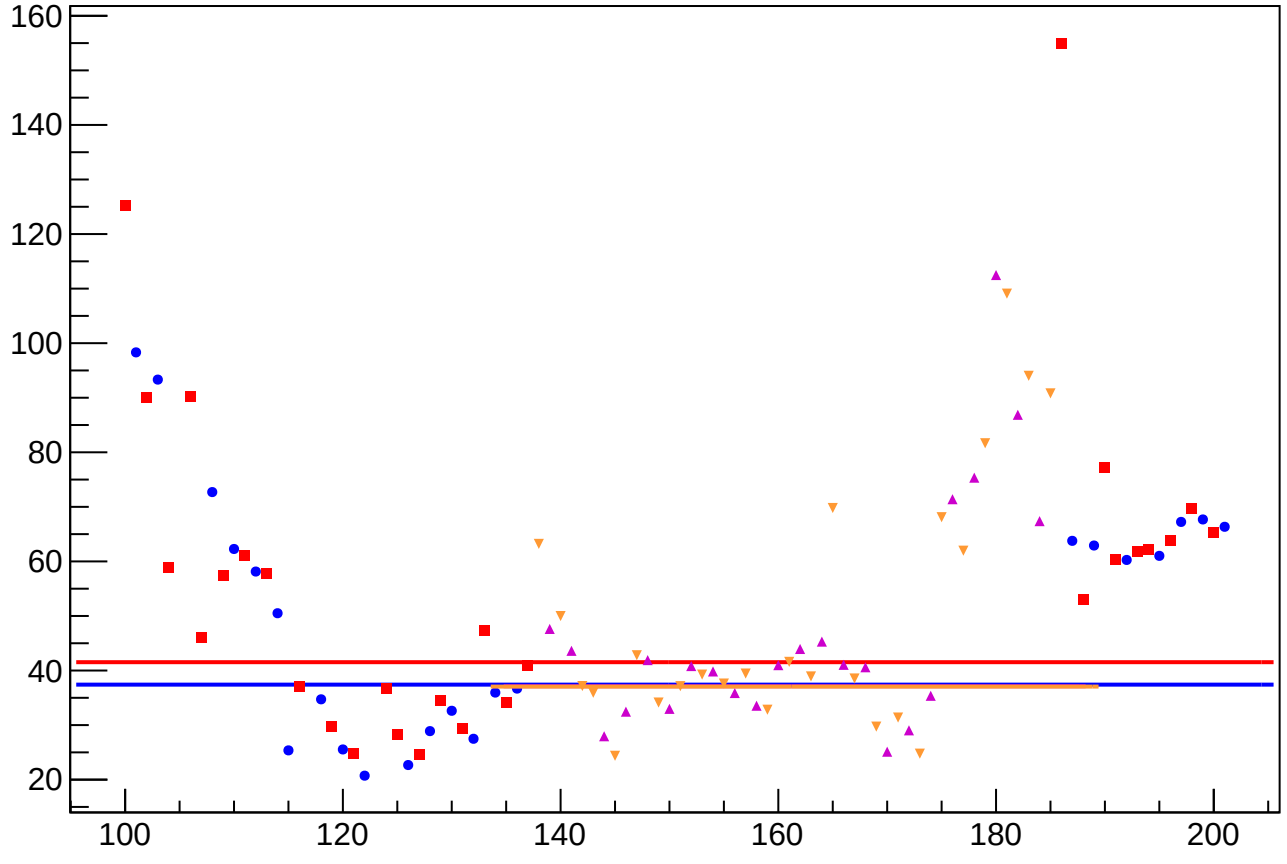
Right Out: -0.004+/-0.012 χ^2/NDF: 33.6/27

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: 105.1/98

- sign 0.005+/-0.007 χ^2/NDF: 47.6/50



Right In: 37.415+/-0.008 χ^2/NDF: 4376675.2/22

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

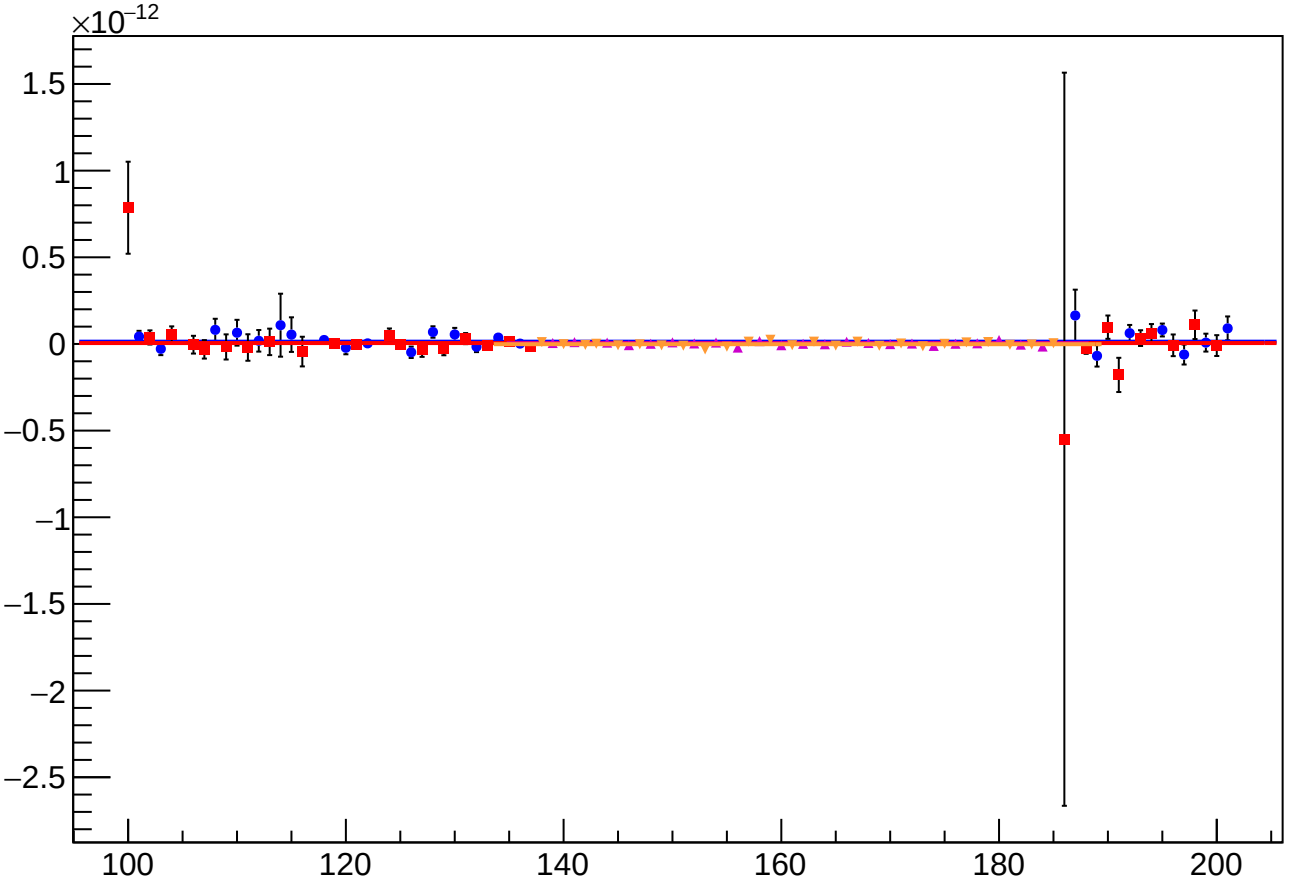
Right Out: 41.530+/-0.009 χ^2/NDF: 3949530.6/27

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 37.189+/-0.005 χ^2/NDF: 8431534.3/47

All: 37.932+/-0.004 χ^2/NDF: 15597153.3/98

- sign 38.724+/-0.005 χ^2/NDF: 7122265.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

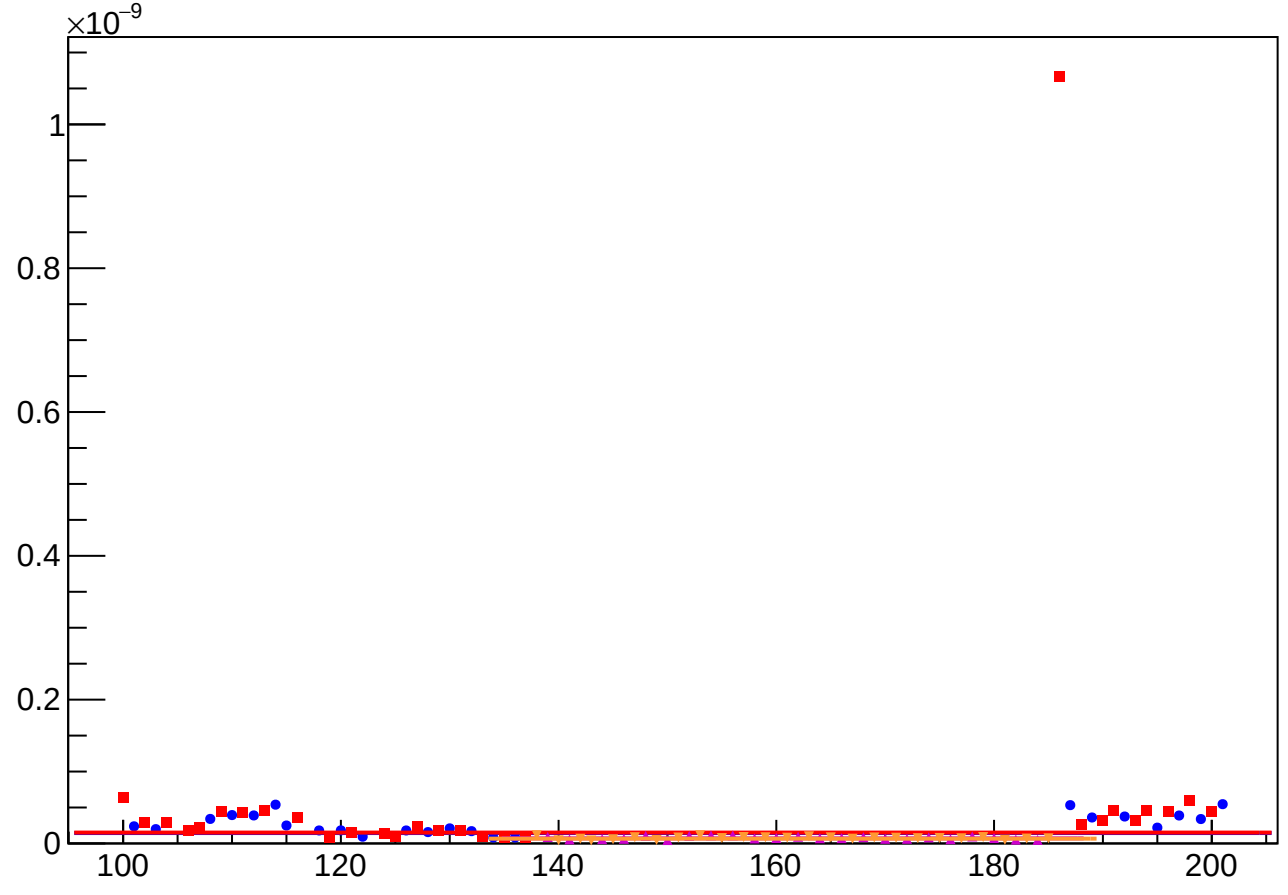
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/27

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: 107.1/98

- sign 0.000+/-0.000 χ^2/NDF: 47.4/50



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: 6450397.5/27

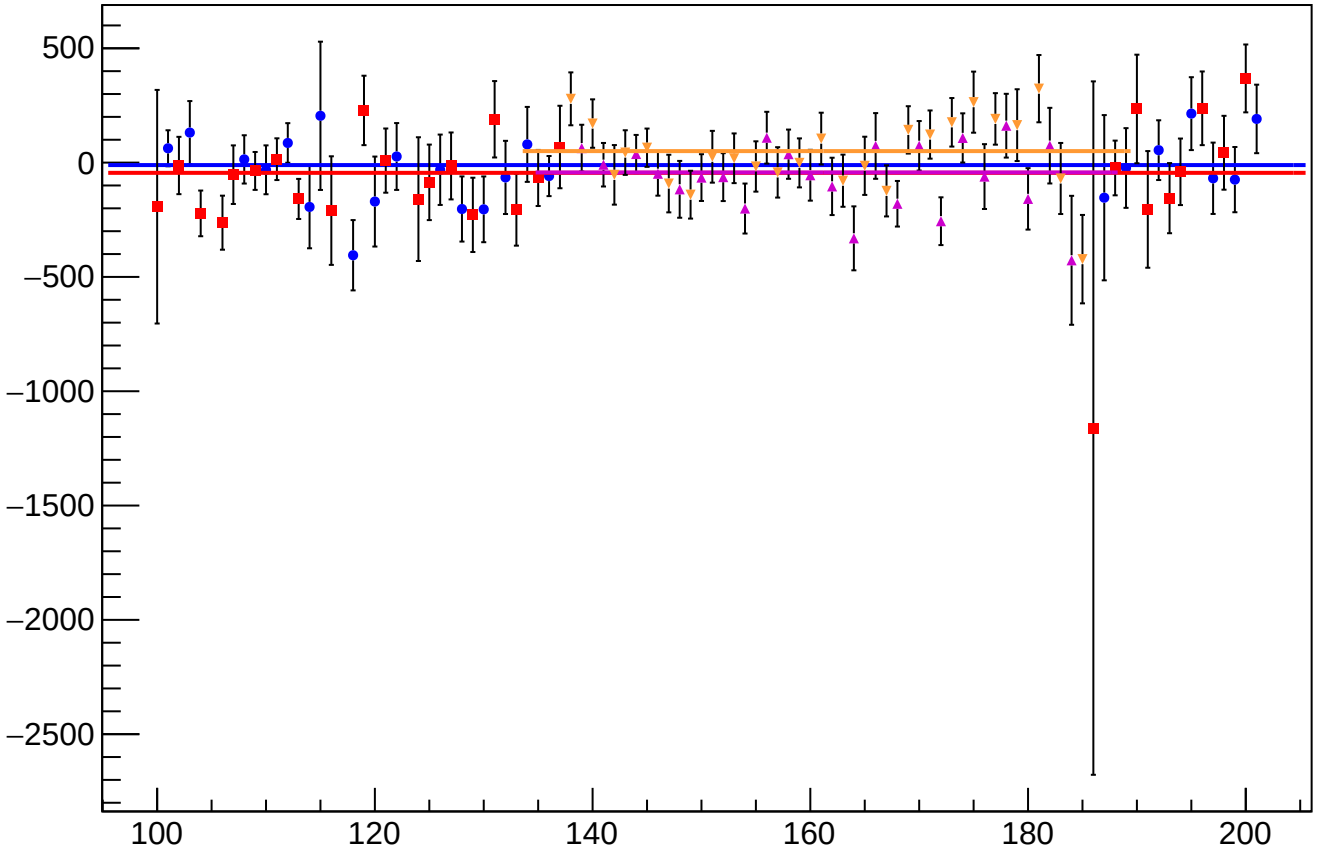
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9494609.8/47

All: 0.000+/-0.000 χ^2/NDF: 20402916.4/98

- sign 0.000+/-0.000 χ^2/NDF: 10838402.7/50

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: -44.780+/-26.432 χ^2/NDF: 31.7/27

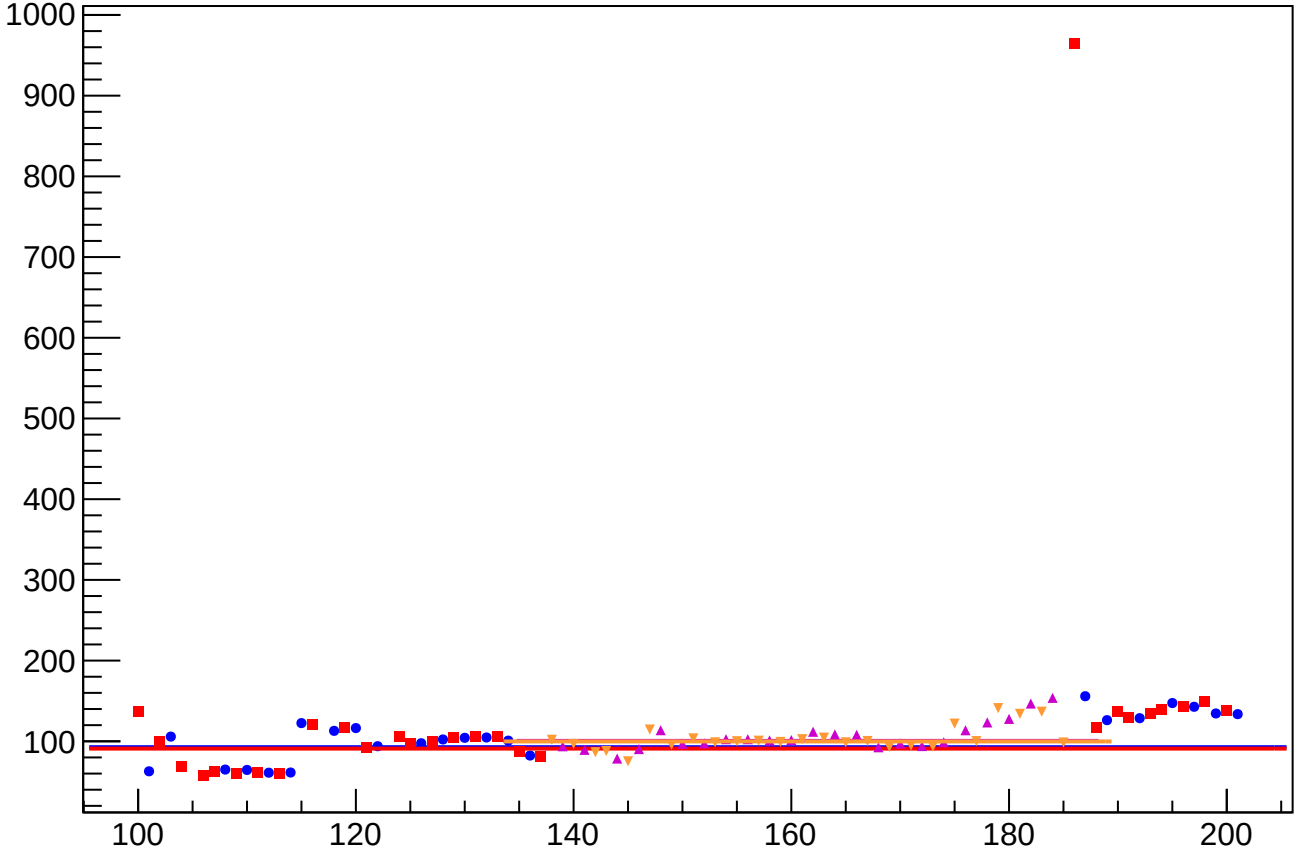
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 25.489+/-17.689 χ^2/NDF: 57.3/47

All: -9.198+/-12.501 χ^2/NDF: 123.3/98

- sign -43.810+/-17.670 χ^2/NDF: 58.3/50

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

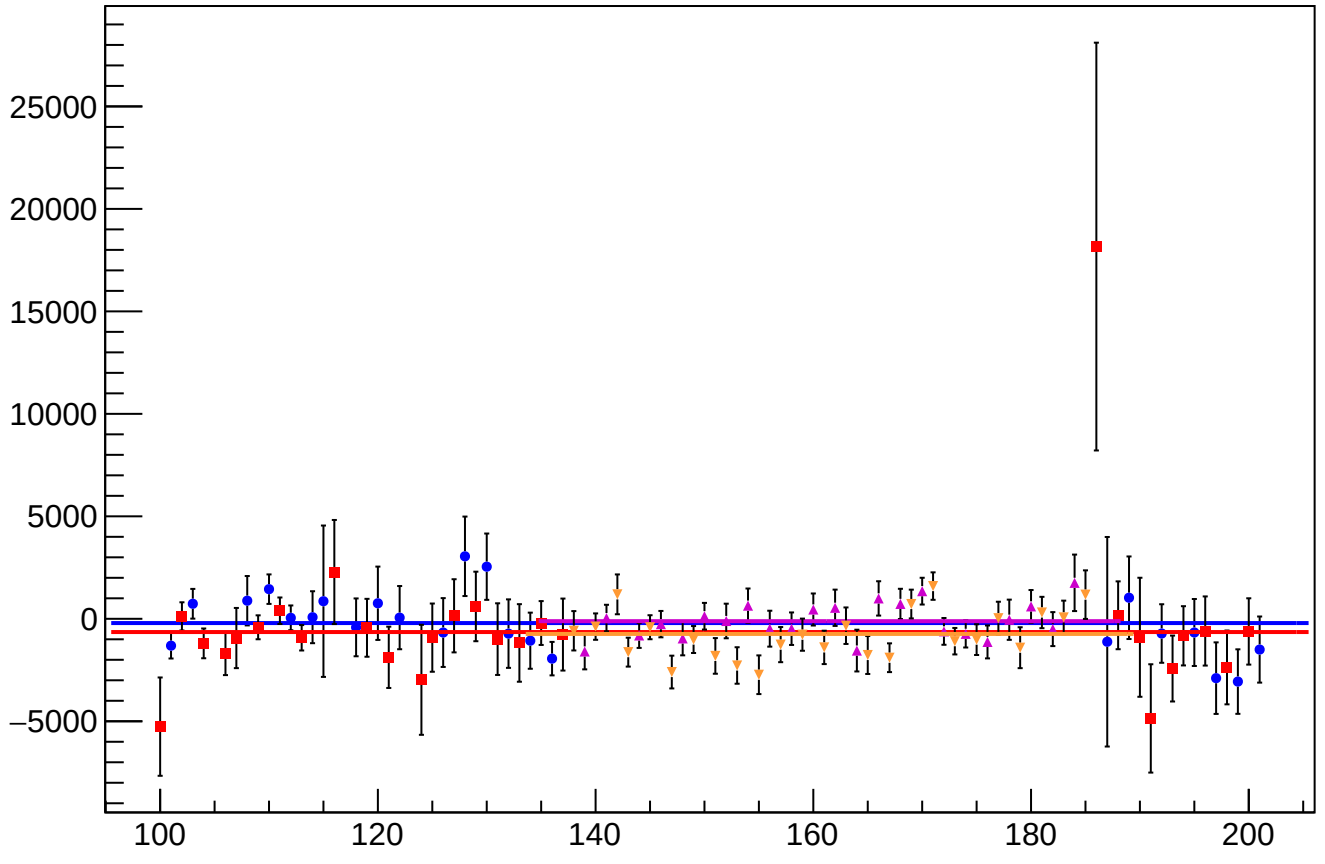
Right Out: 90.950+/-0.019 χ^2/NDF: 3225582.7/27

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 96.937+/-0.013 χ^2/NDF: 2883593.6/47

All: 96.584+/-0.009 χ^2/NDF: 6911953.7/98

- sign 96.231+/-0.012 χ^2/NDF: 4026766.6/50



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: -645.980+/-222.907 χ^2/NDF: 21.9/27

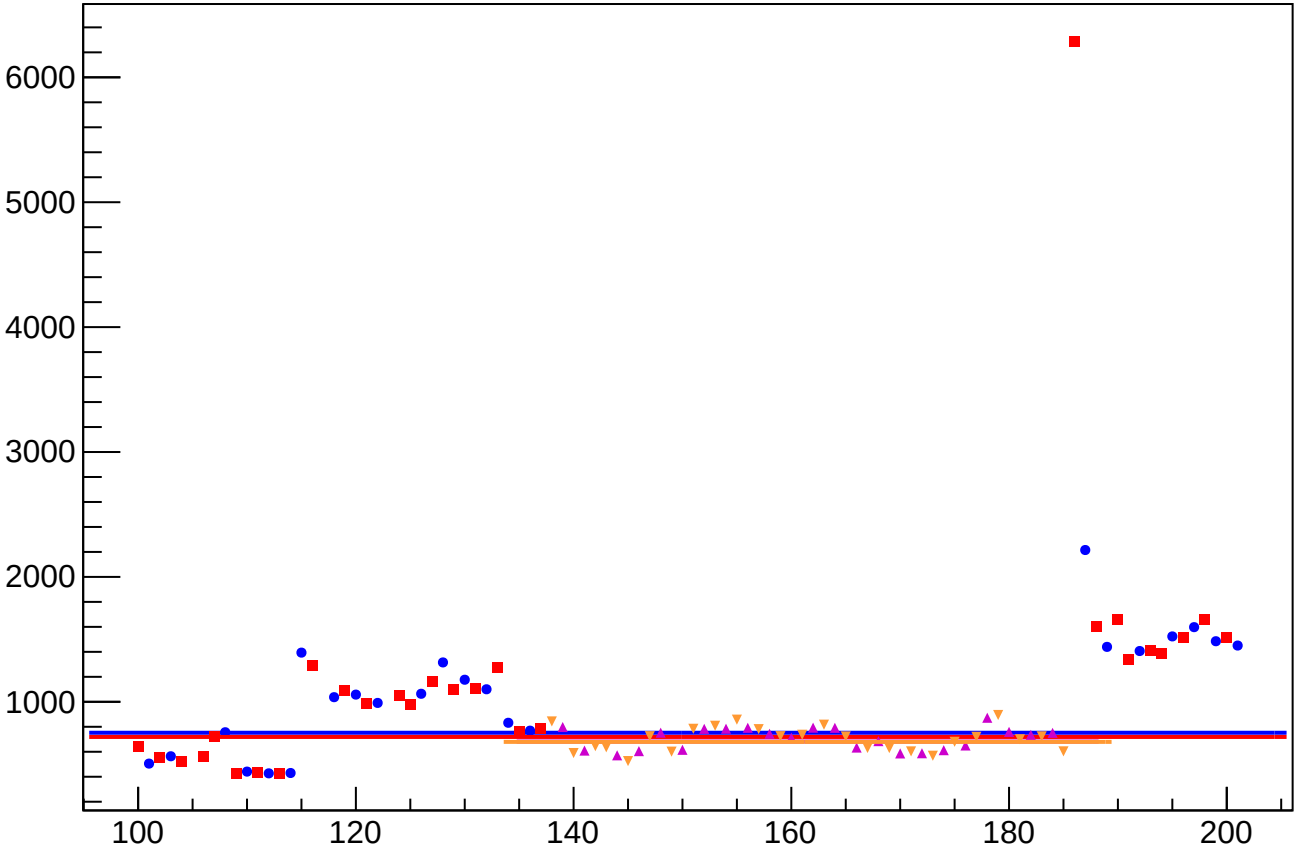
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -580.027+/-130.930 χ^2/NDF: 82.4/47

All: -438.282+/-92.433 χ^2/NDF: 134.1/98

- sign -297.442+/-130.511 χ^2/NDF: 49.4/50

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: 718.674+/-0.158 χ^2/NDF: 6331304.5/27

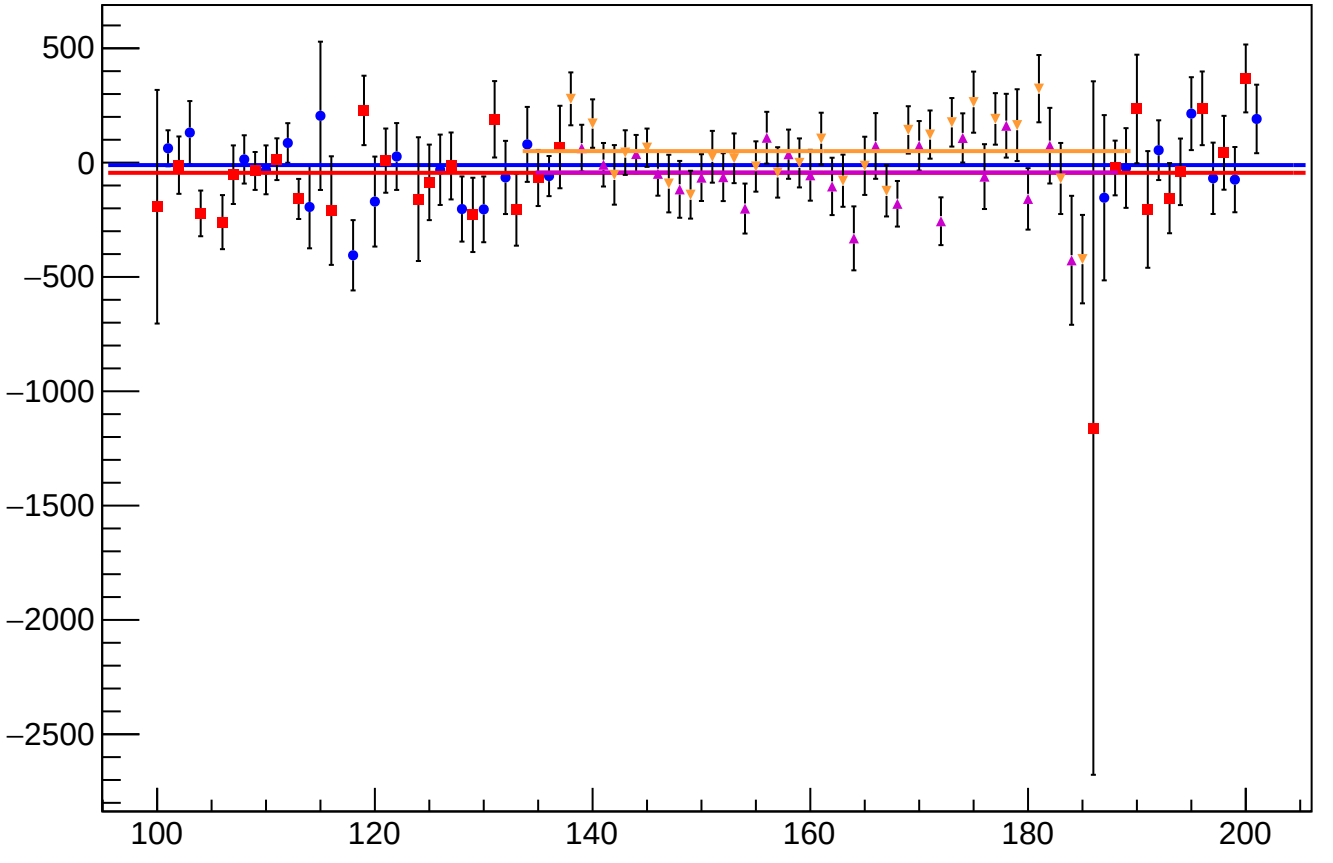
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 700.963+/-0.093 χ^2/NDF: 5654670.8/47

All: 697.722+/-0.065 χ^2/NDF: 12598016.6/98

- sign 694.502+/-0.092 χ^2/NDF: 6940902.5/50

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: -44.573+/-26.433 χ^2/NDF: 31.6/27

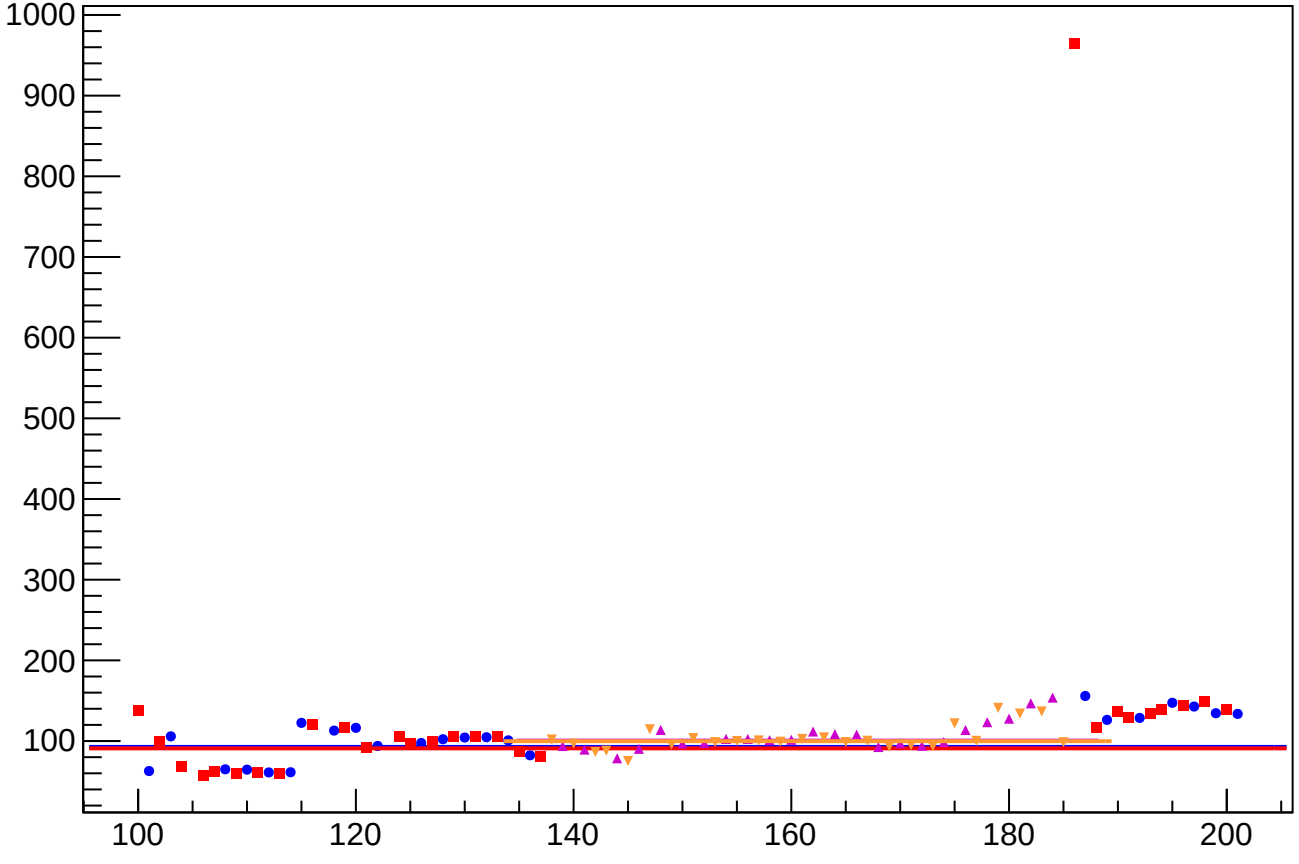
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 25.493+/-17.689 χ^2/NDF: 57.3/47

All: -9.149+/-12.501 χ^2/NDF: 123.2/98

- sign -43.717+/-17.670 χ^2/NDF: 58.2/50

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

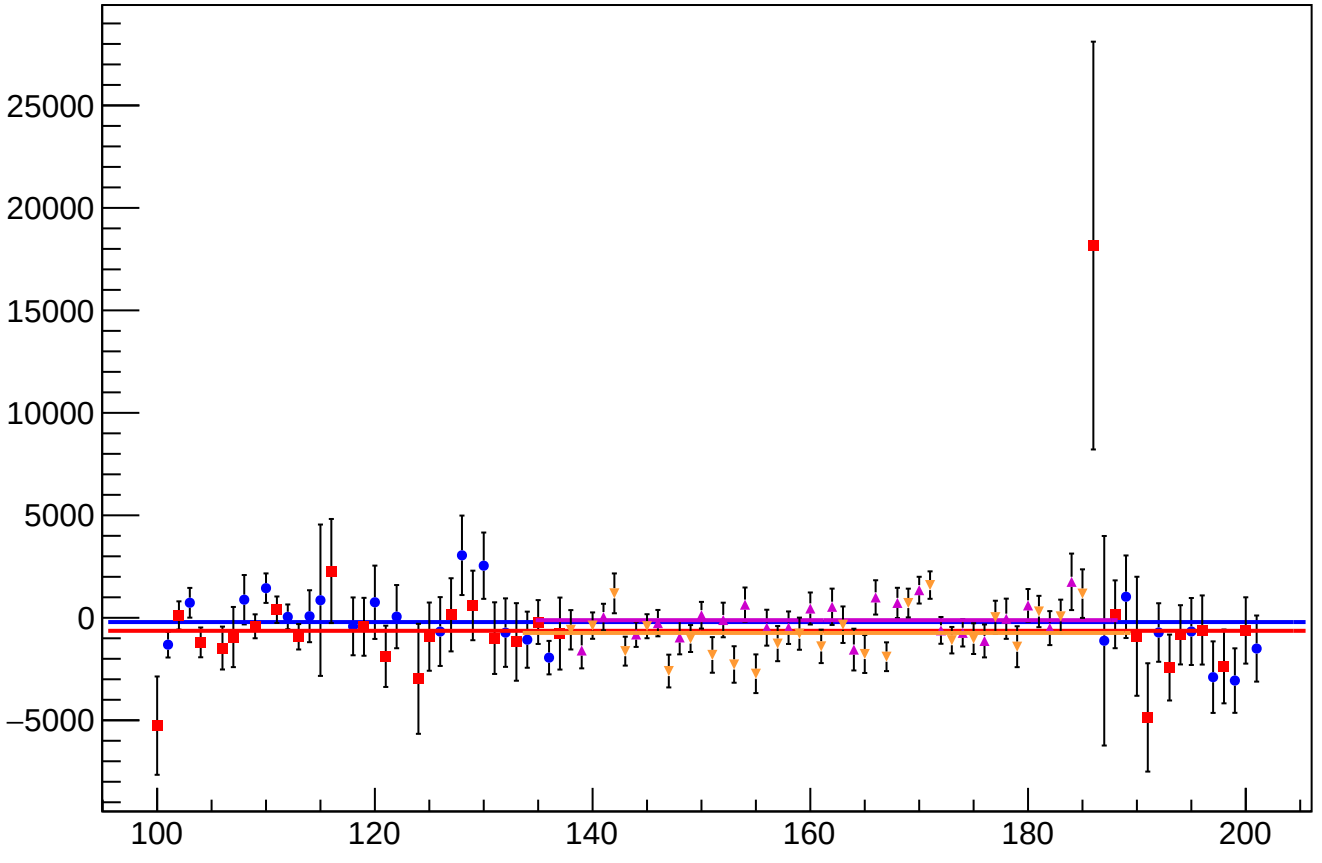
Right Out: 90.937+/-0.019 χ^2/NDF: 3228730.4/27

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 96.937+/-0.013 χ^2/NDF: 2883594.7/47

All: 96.581+/-0.009 χ^2/NDF: 6915523.9/98

\- sign 96.226+/-0.012 χ^2/NDF: 4030309.7/50



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: -634.765+/-223.028 χ^2/NDF: 21.5/27

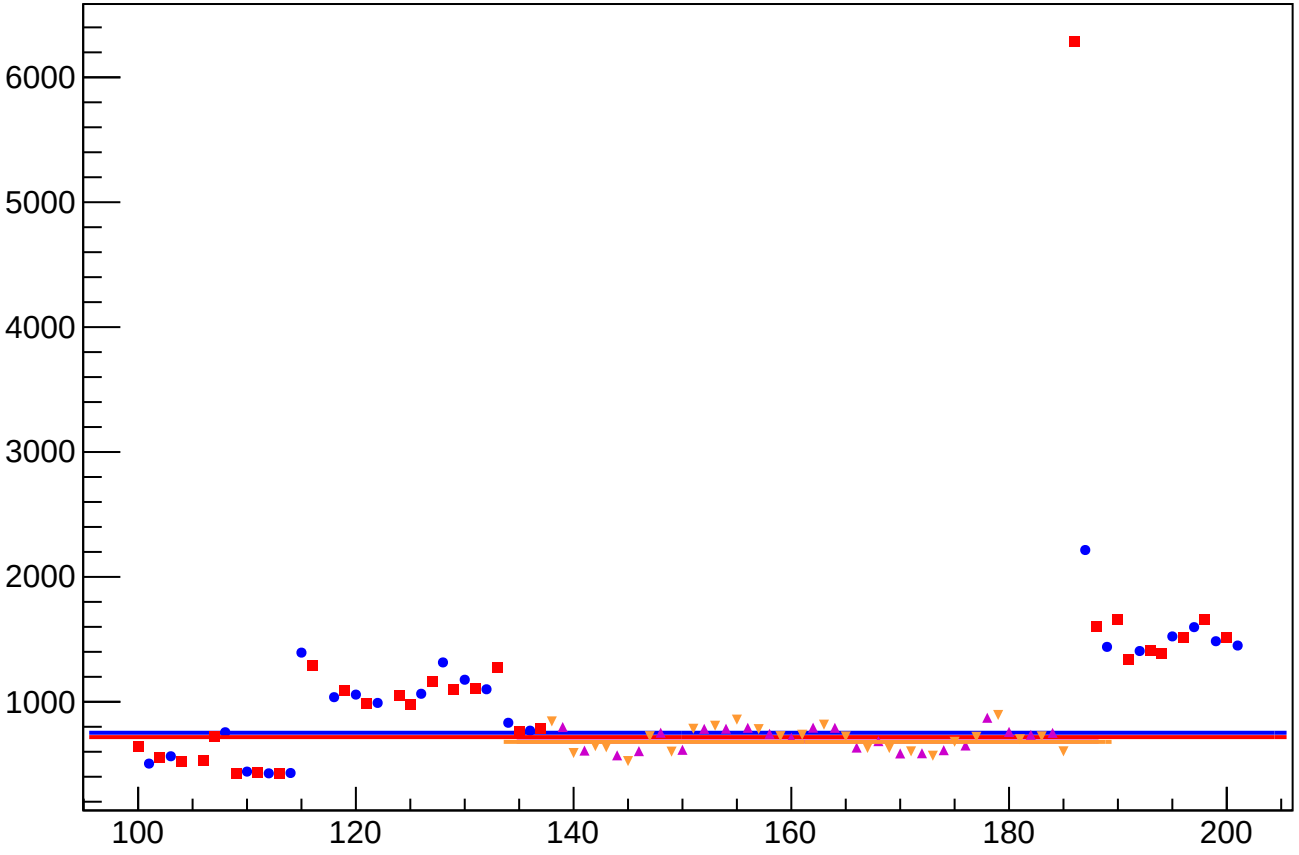
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -580.029+/-130.930 χ^2/NDF: 82.4/47

All: -436.317+/-92.442 χ^2/NDF: 133.6/98

- sign -293.470+/-130.535 χ^2/NDF: 48.8/50

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: 717.334+/-0.158 χ^2/NDF: 6351344.1/27

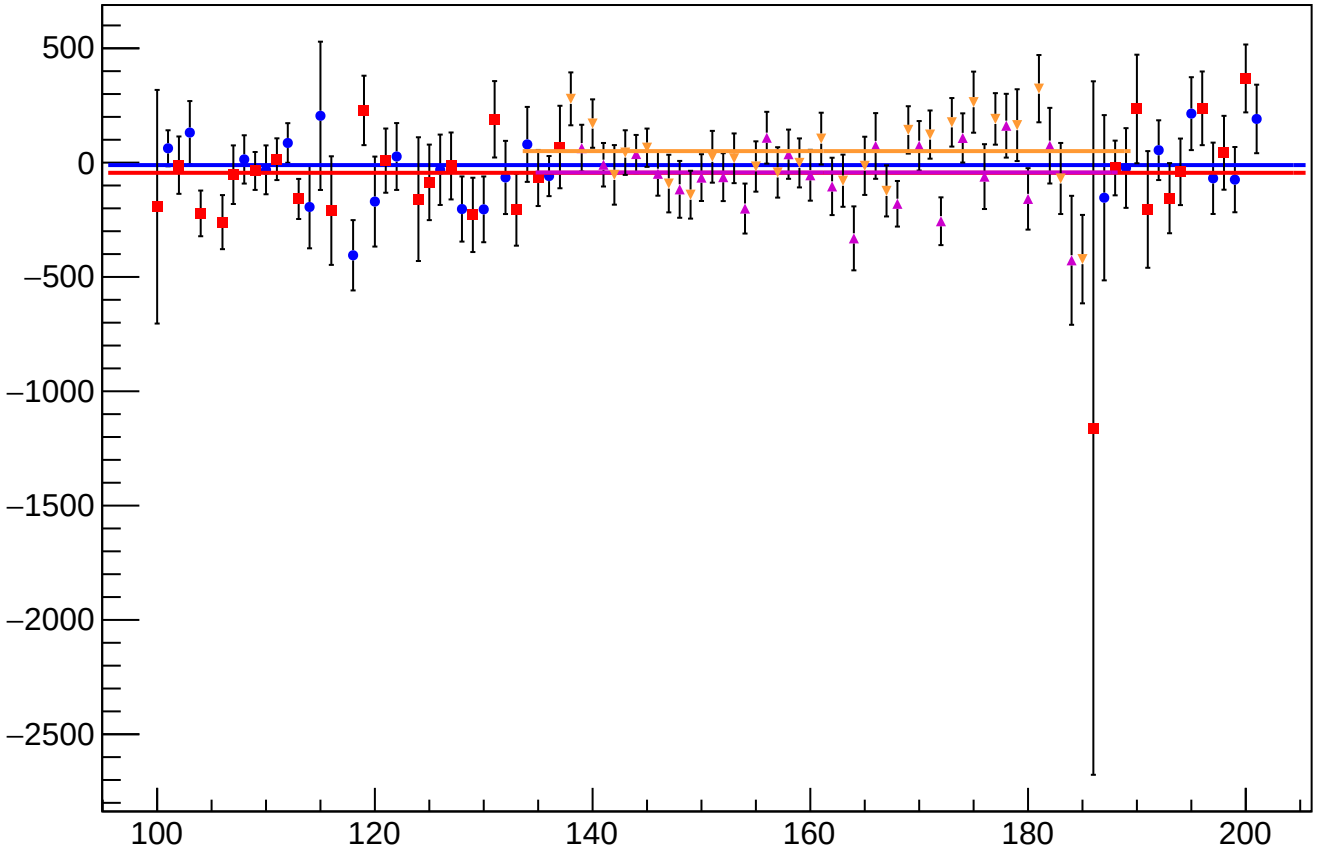
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 700.966+/-0.093 χ^2/NDF: 5654595.3/47

All: 697.489+/-0.065 χ^2/NDF: 12615766.6/98

- sign 694.034+/-0.092 χ^2/NDF: 6958359.6/50

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: -44.573+/-26.433 χ^2/NDF: 31.6/27

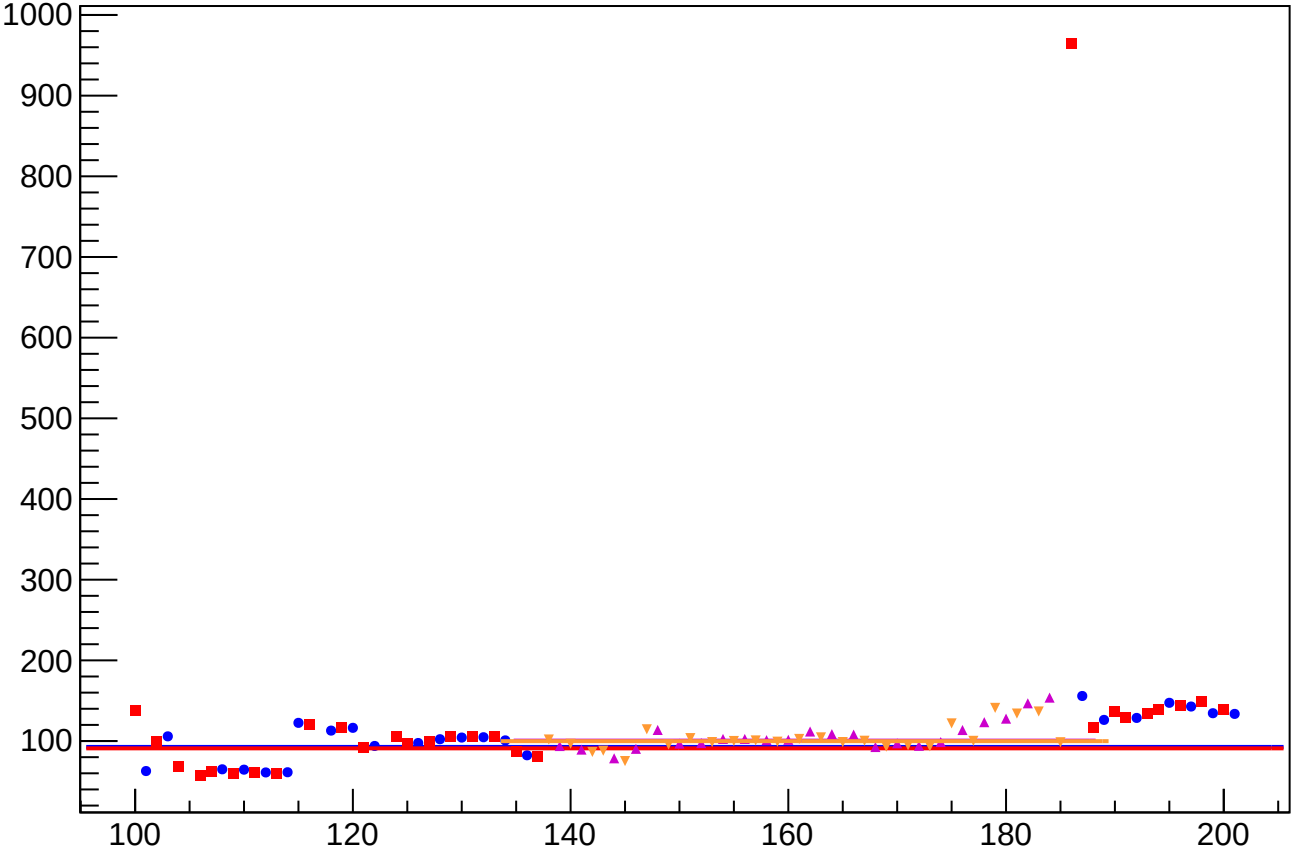
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 25.493+/-17.689 χ^2/NDF: 57.3/47

All: -9.149+/-12.501 χ^2/NDF: 123.2/98

- sign -43.717+/-17.670 χ^2/NDF: 58.2/50

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

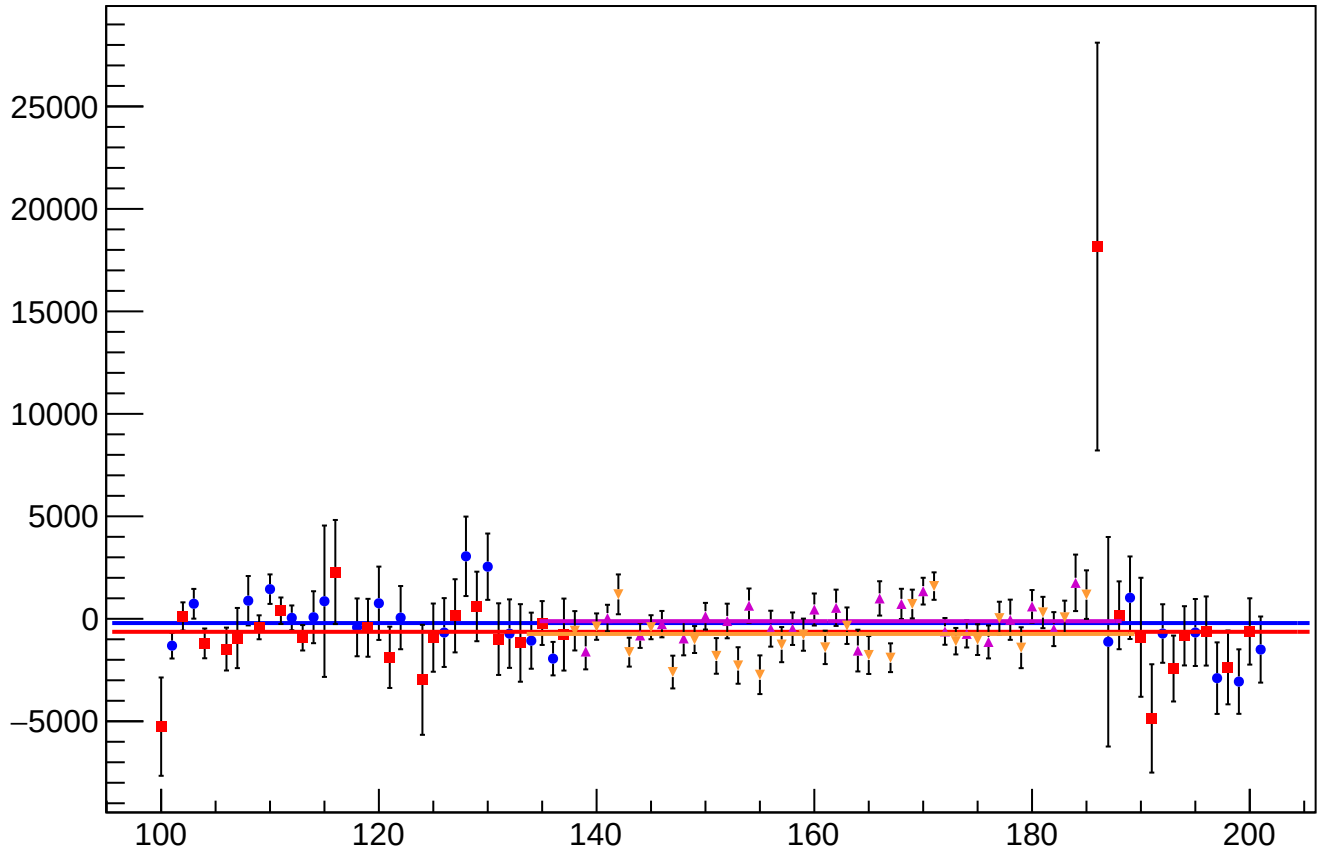
Right Out: 90.937+/-0.019 χ^2/NDF: 3228730.4/27

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 96.937+/-0.013 χ^2/NDF: 2883594.7/47

All: 96.581+/-0.009 χ^2/NDF: 6915523.9/98

\- sign 96.226+/-0.012 χ^2/NDF: 4030309.7/50



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: -634.765+/-223.028 χ^2/NDF: 21.5/27

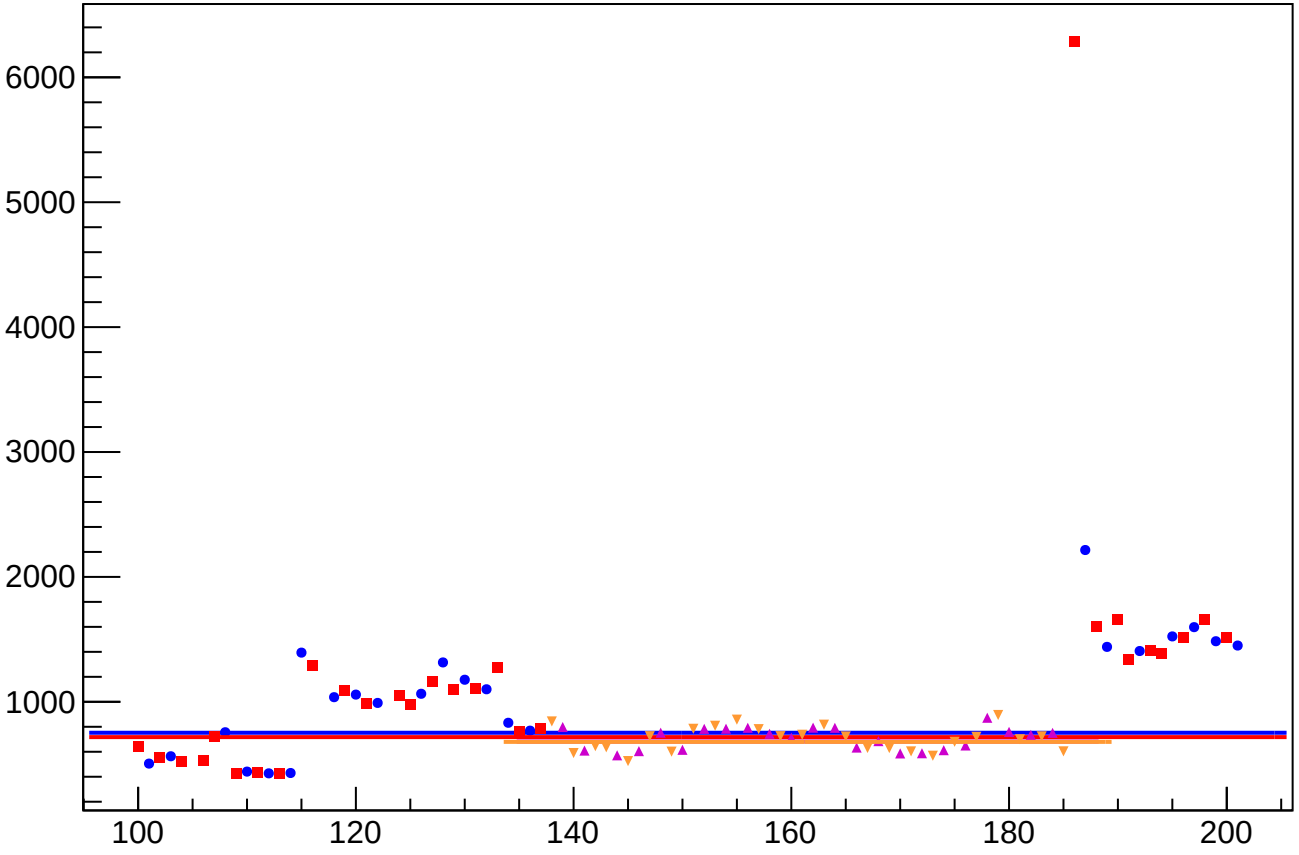
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -580.029+/-130.930 χ^2/NDF: 82.4/47

All: -436.317+/-92.442 χ^2/NDF: 133.6/98

- sign -293.470+/-130.535 χ^2/NDF: 48.8/50

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: 717.334+/-0.158 χ^2/NDF: 6351344.1/27

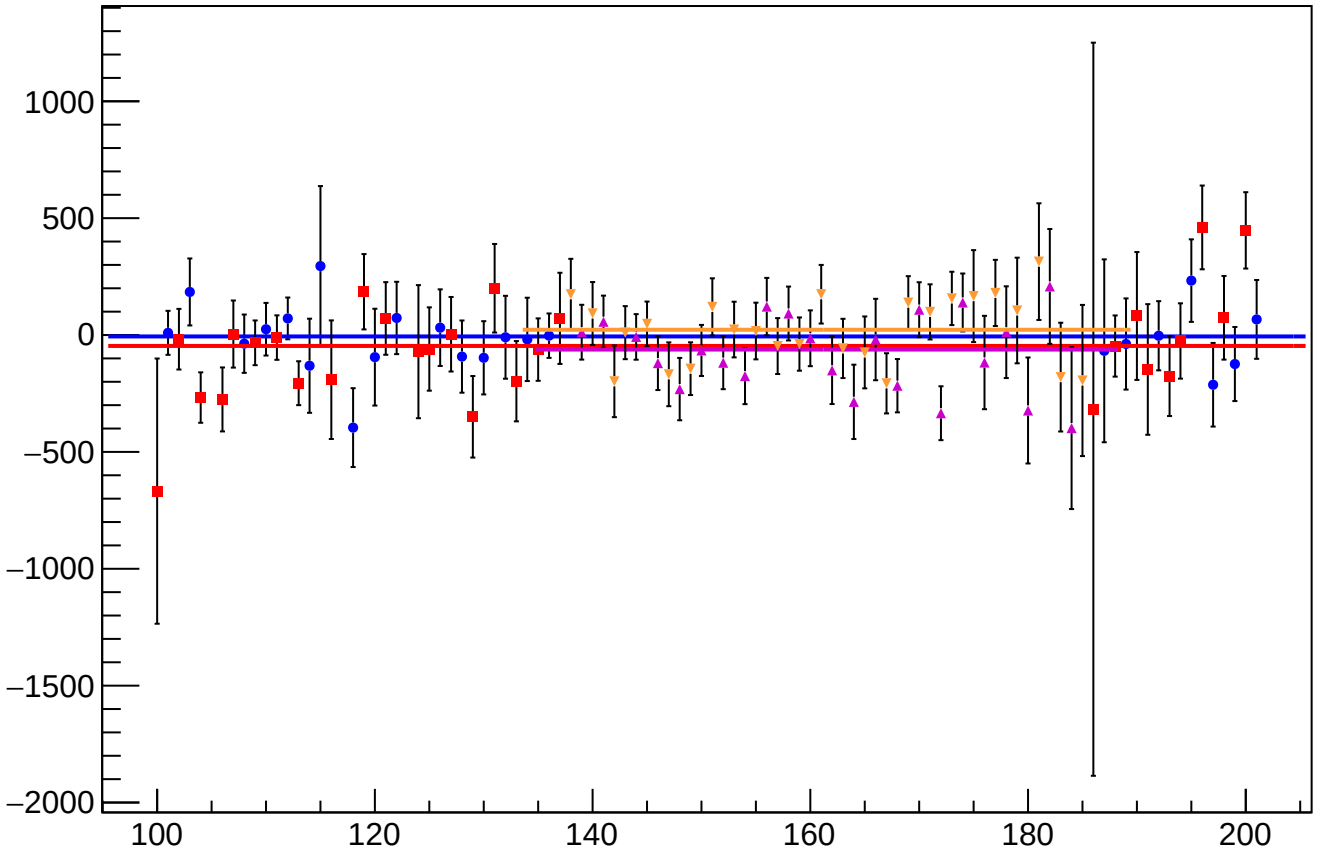
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 700.966+/-0.093 χ^2/NDF: 5654595.3/47

All: 697.489+/-0.065 χ^2/NDF: 12615766.6/98

- sign 694.034+/-0.092 χ^2/NDF: 6958359.6/50

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: -46.623+/-28.909 χ^2/NDF: 38.9/27

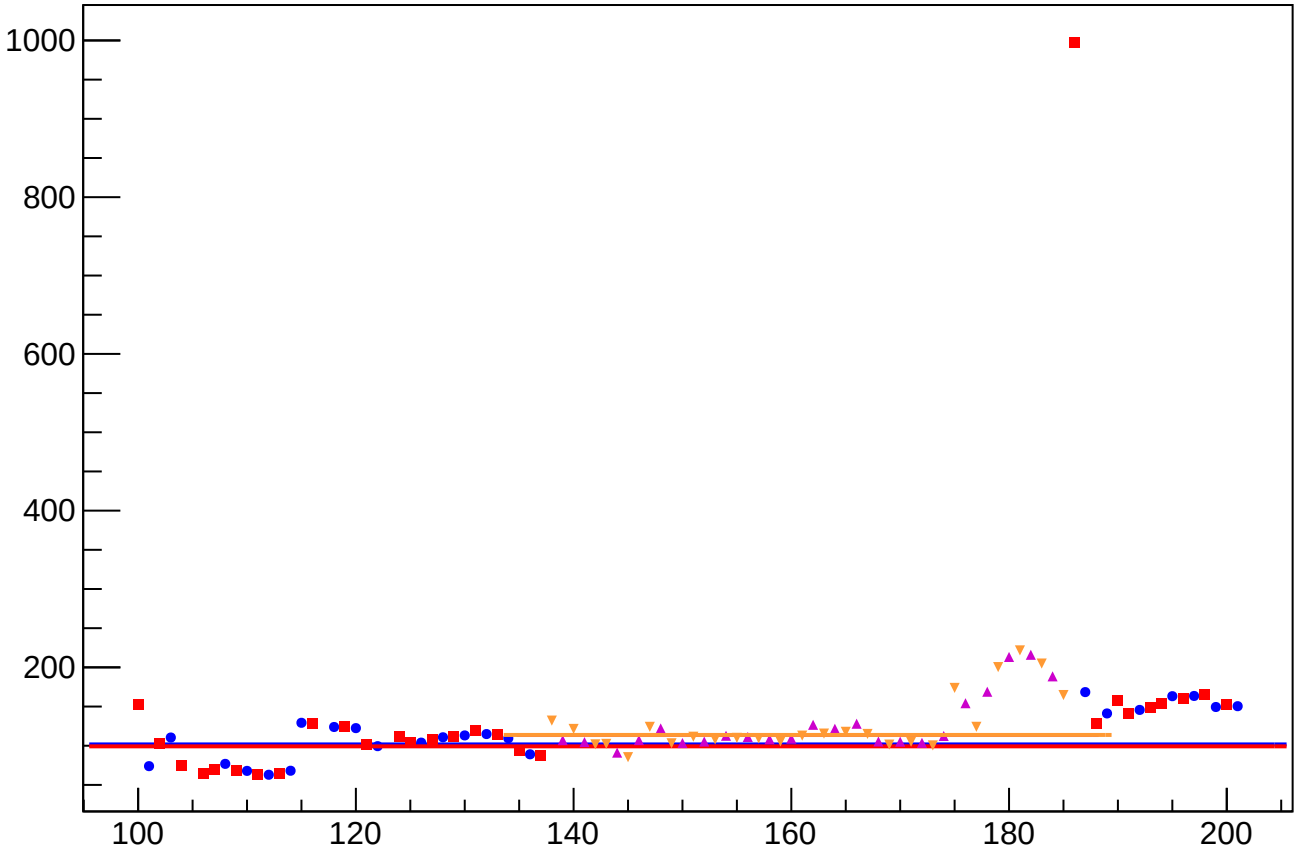
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 10.183+/-20.069 χ^2/NDF: 36.4/47

All: -22.658+/-14.118 χ^2/NDF: 108.1/98

- sign -54.830+/-19.863 χ^2/NDF: 66.4/50

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: 99.211+/-0.020 χ^2/NDF: 3258142.1/27

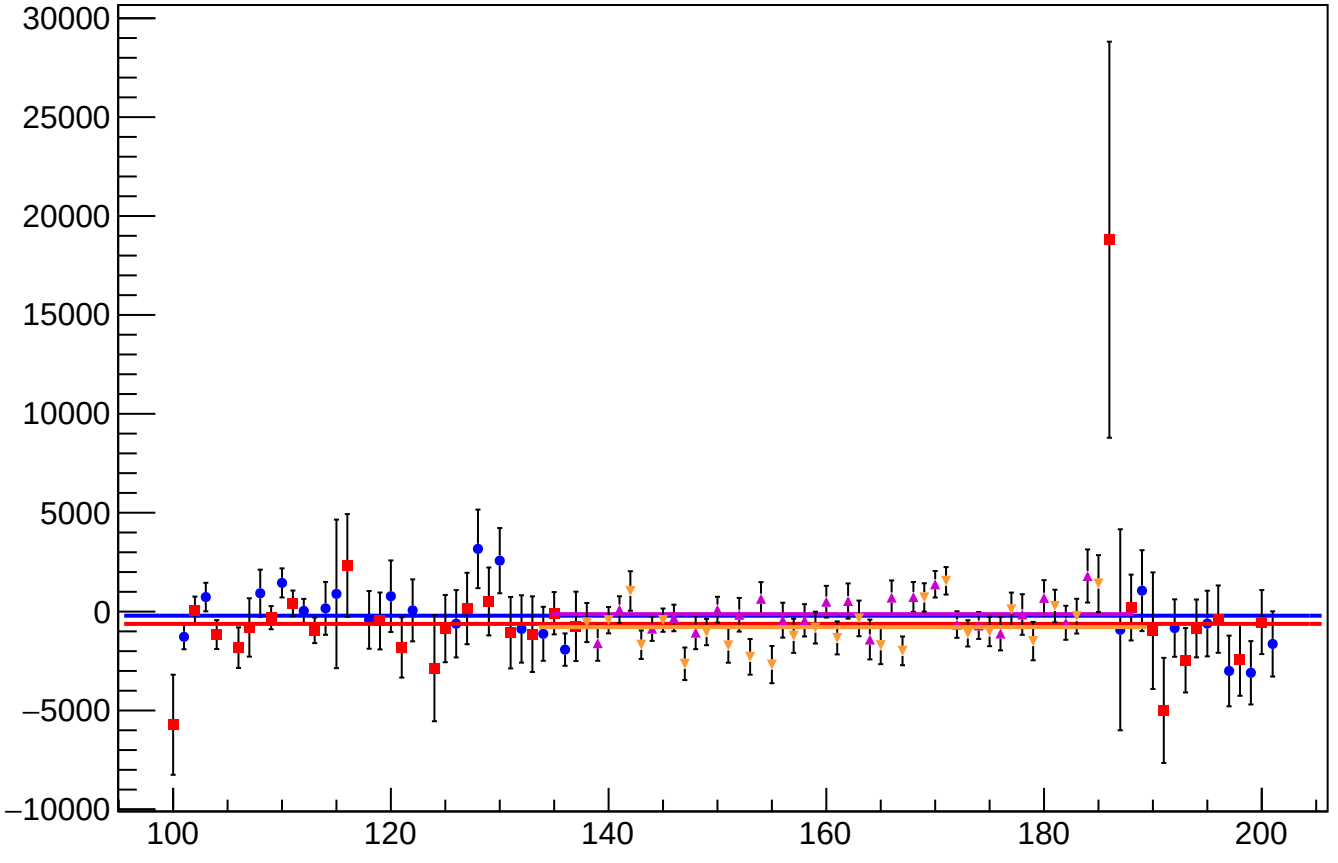
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 108.528+/-0.014 χ^2/NDF: 3915318.7/47

All: 107.679+/-0.010 χ^2/NDF: 8760961.8/98

- sign 106.847+/-0.014 χ^2/NDF: 4838554.8/50

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: -621.273+/-225.379 χ^2/NDF: 22.8/27

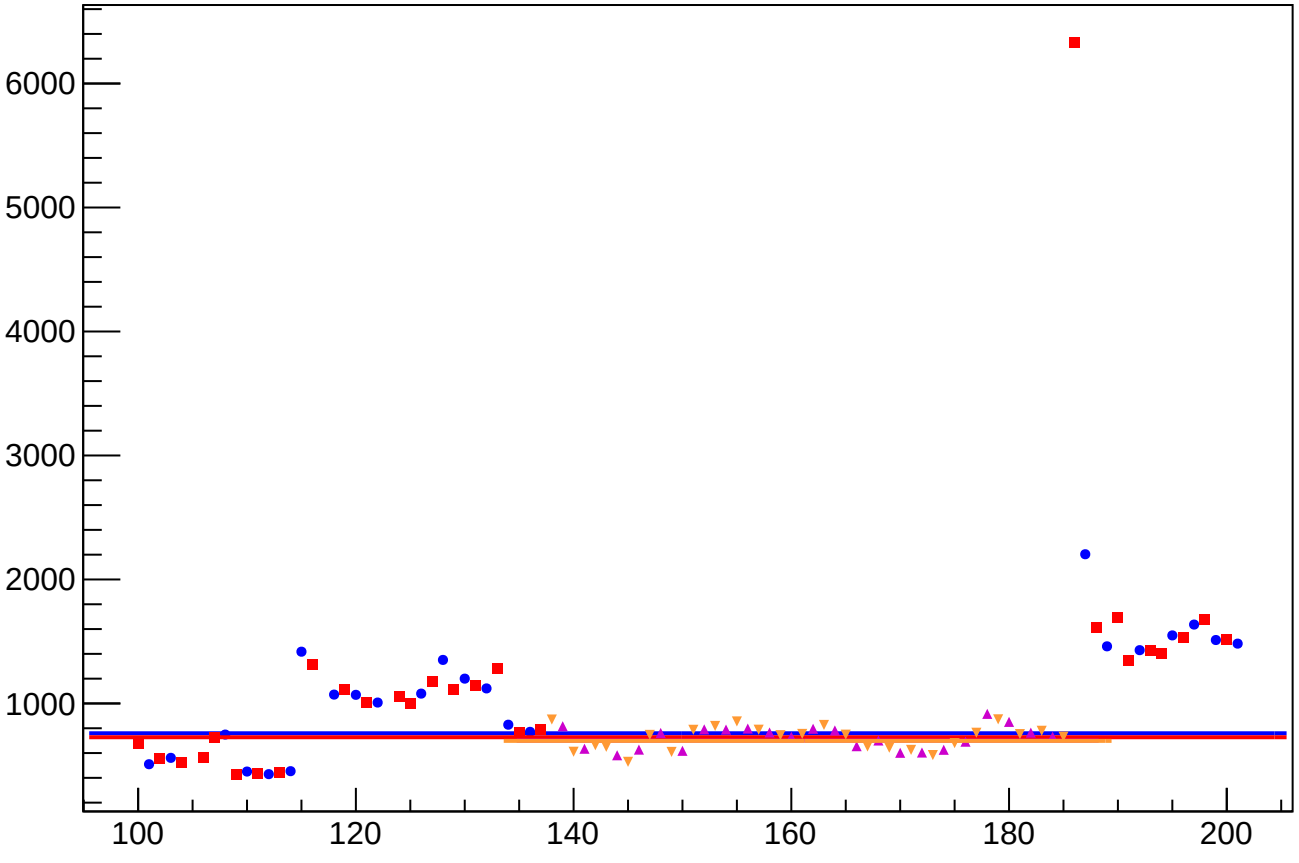
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -608.113+/-133.779 χ^2/NDF: 78.5/47

All: -453.755+/-94.415 χ^2/NDF: 129.8/98

- sign -300.573+/-133.269 χ^2/NDF: 48.7/50

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: 727.493+/-0.159 χ^2/NDF: 6317042.1/27

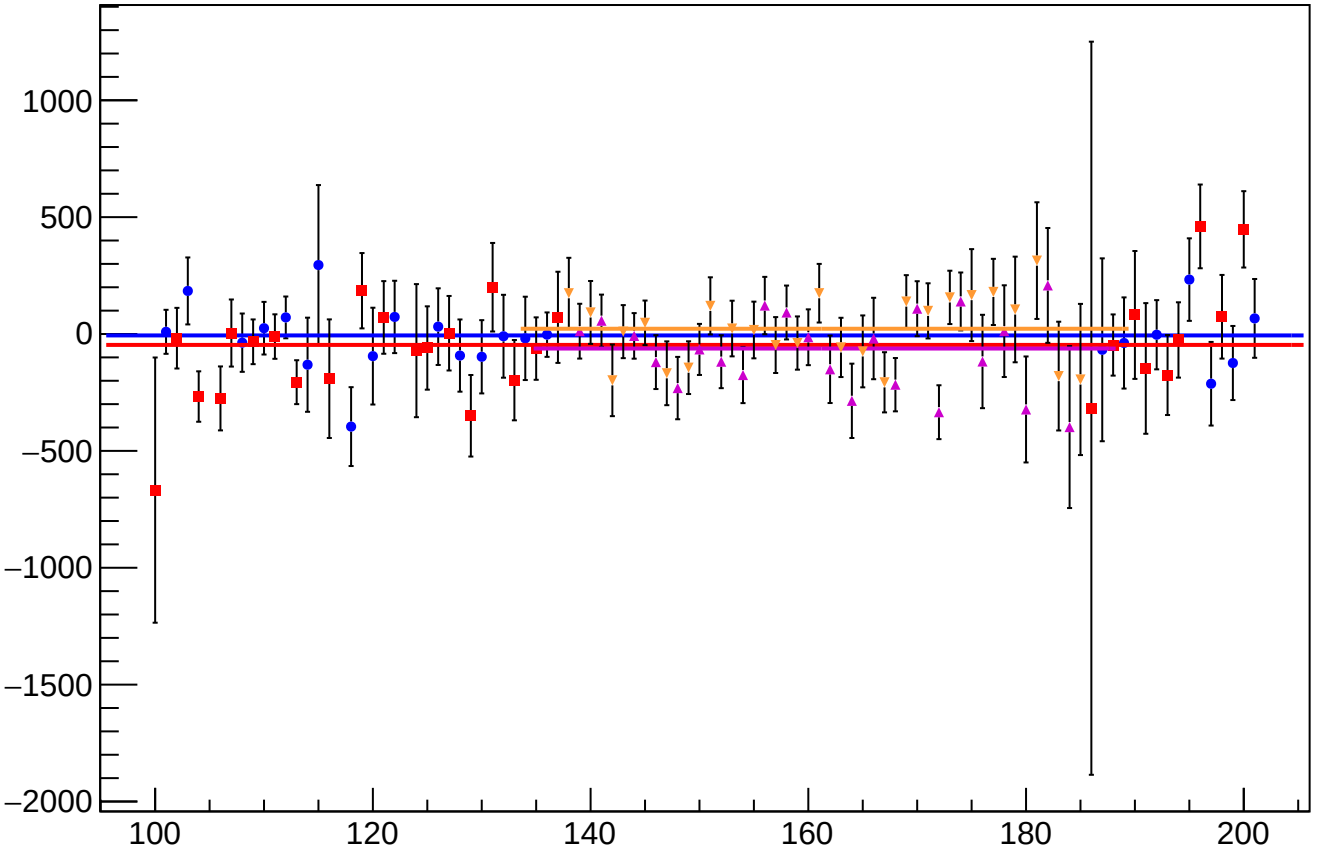
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 716.921+/-0.095 χ^2/NDF: 5645932.6/47

All: 713.279+/-0.067 χ^2/NDF: 12569490.3/98

- sign 709.664+/-0.094 χ^2/NDF: 6920604.0/50

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: -46.622+/-28.909 χ^2/NDF: 38.9/27

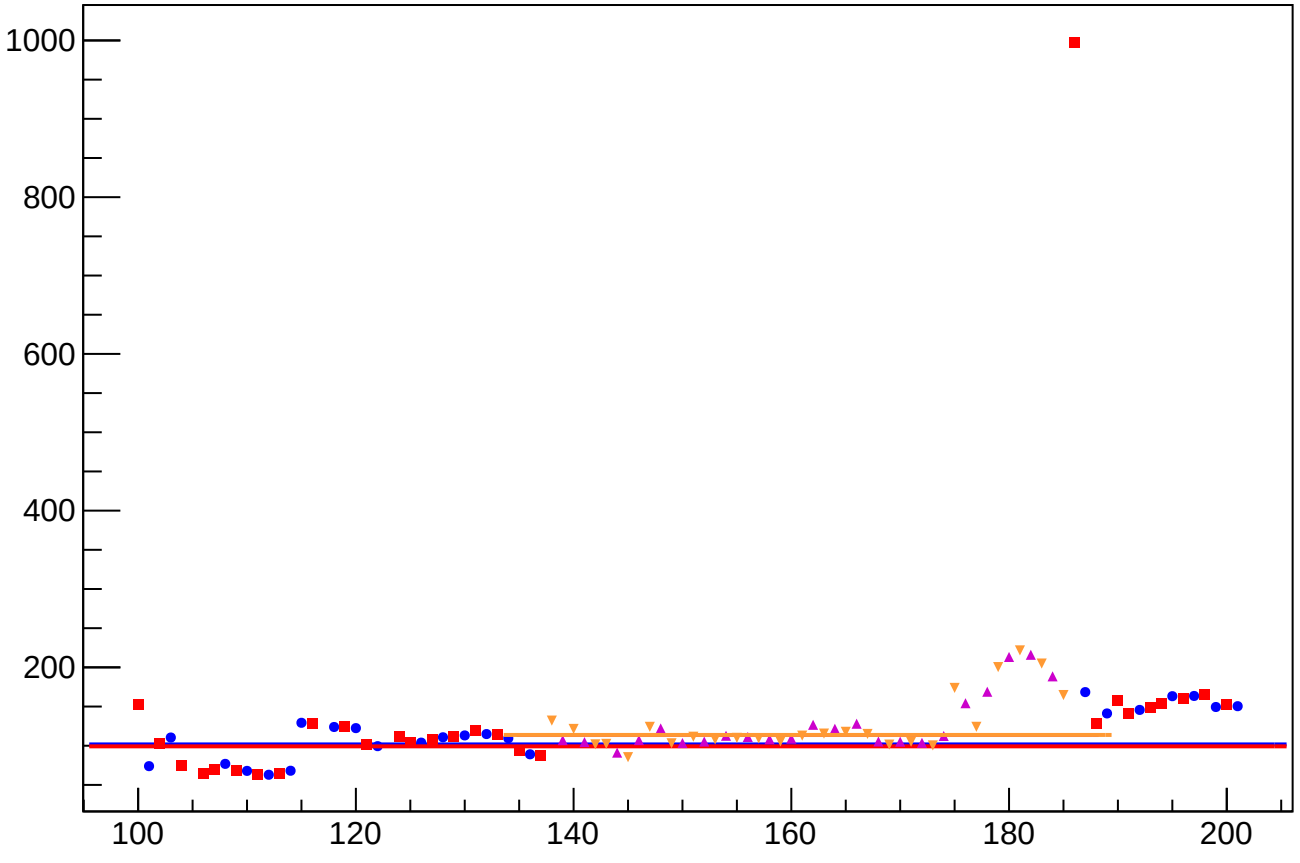
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 10.185+/-20.069 χ^2/NDF: 36.4/47

All: -22.657+/-14.118 χ^2/NDF: 108.1/98

- sign -54.829+/-19.863 χ^2/NDF: 66.4/50

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

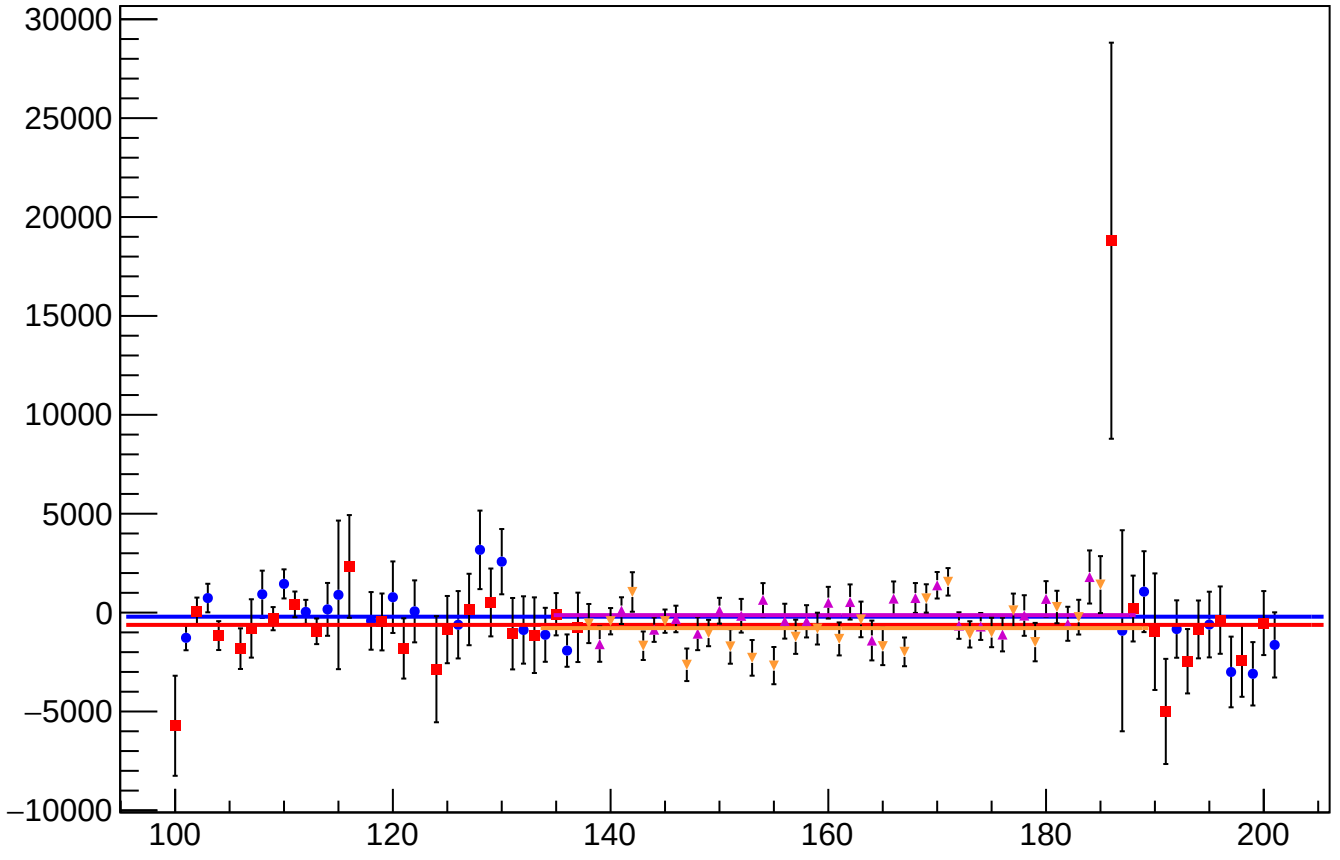
Right Out: 99.211+/-0.020 χ^2/NDF: 3258142.9/27

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 108.528+/-0.014 χ^2/NDF: 3915304.6/47

All: 107.679+/-0.010 χ^2/NDF: 8760934.2/98

- sign 106.847+/-0.014 χ^2/NDF: 4838541.5/50



Right In: -206.848+/-242.198 χ^2/NDF: 29.1/22

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

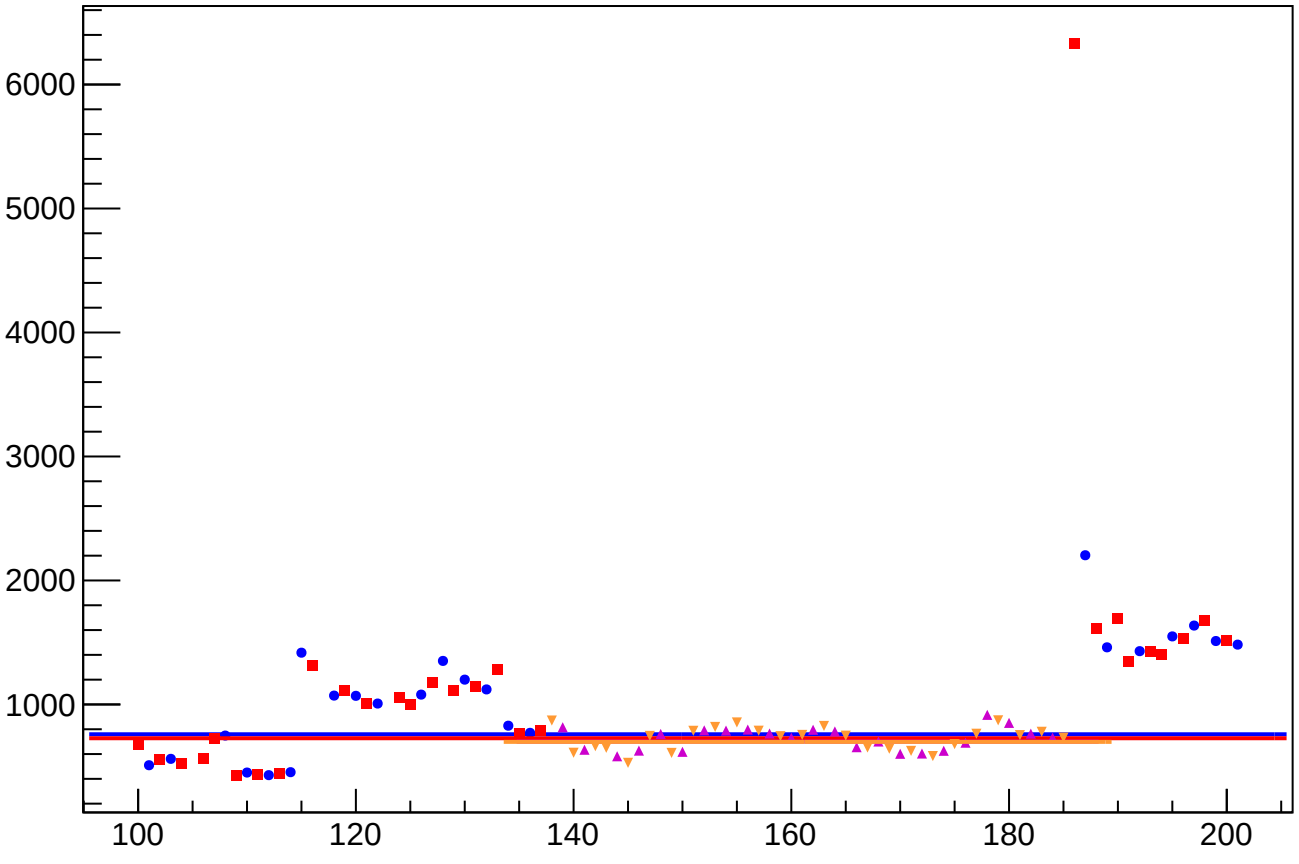
Right Out: -621.272+/-225.379 χ^2/NDF: 22.8/27

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

\+ sign -608.111+/-133.779 χ^2/NDF: 78.5/47

All: -453.754+/-94.415 χ^2/NDF: 129.8/98

\- sign -300.572+/-133.269 χ^2/NDF: 48.7/50



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: 727.492+/-0.159 χ^2/NDF: 6317038.7/27

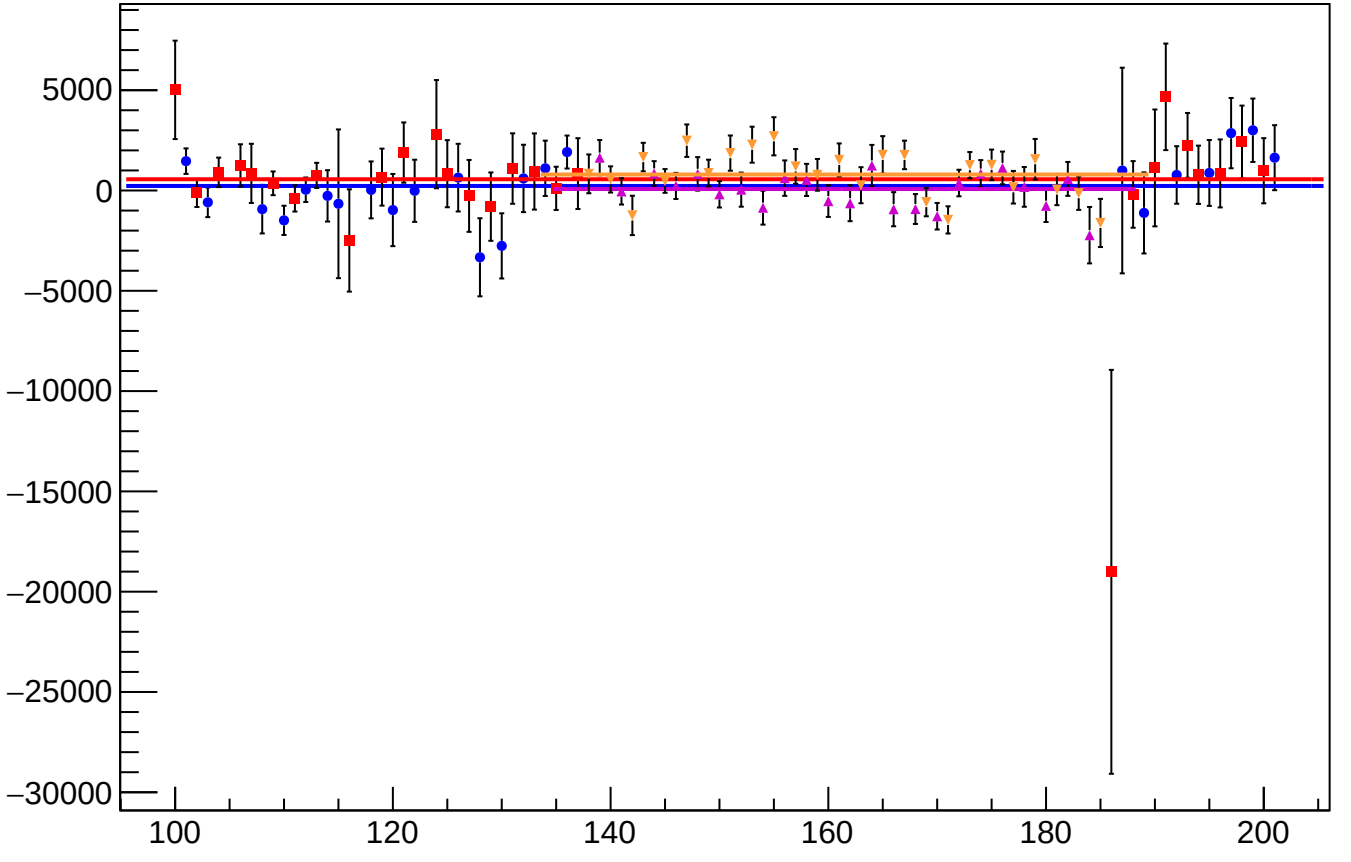
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 716.920+/-0.095 χ^2/NDF: 5645932.3/47

All: 713.278+/-0.067 χ^2/NDF: 12569481.7/98

- sign 709.664+/-0.094 χ^2/NDF: 6920595.8/50

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: 560.828+/-225.174 χ^2/NDF: 20.1/27

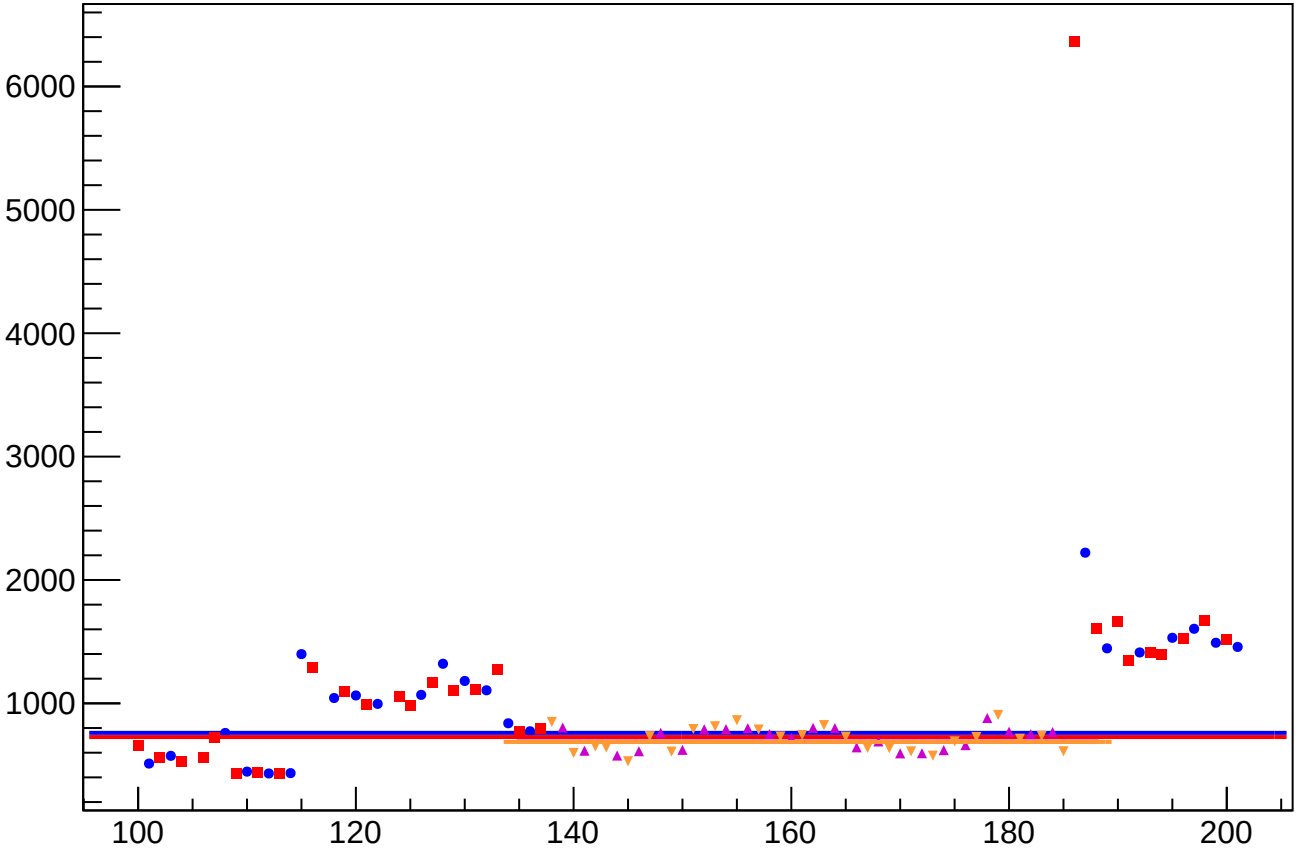
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 626.255+/-132.397 χ^2/NDF: 80.9/47

All: 432.957+/-93.468 χ^2/NDF: 133.2/98

- sign 240.899+/-131.972 χ^2/NDF: 48.1/50

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

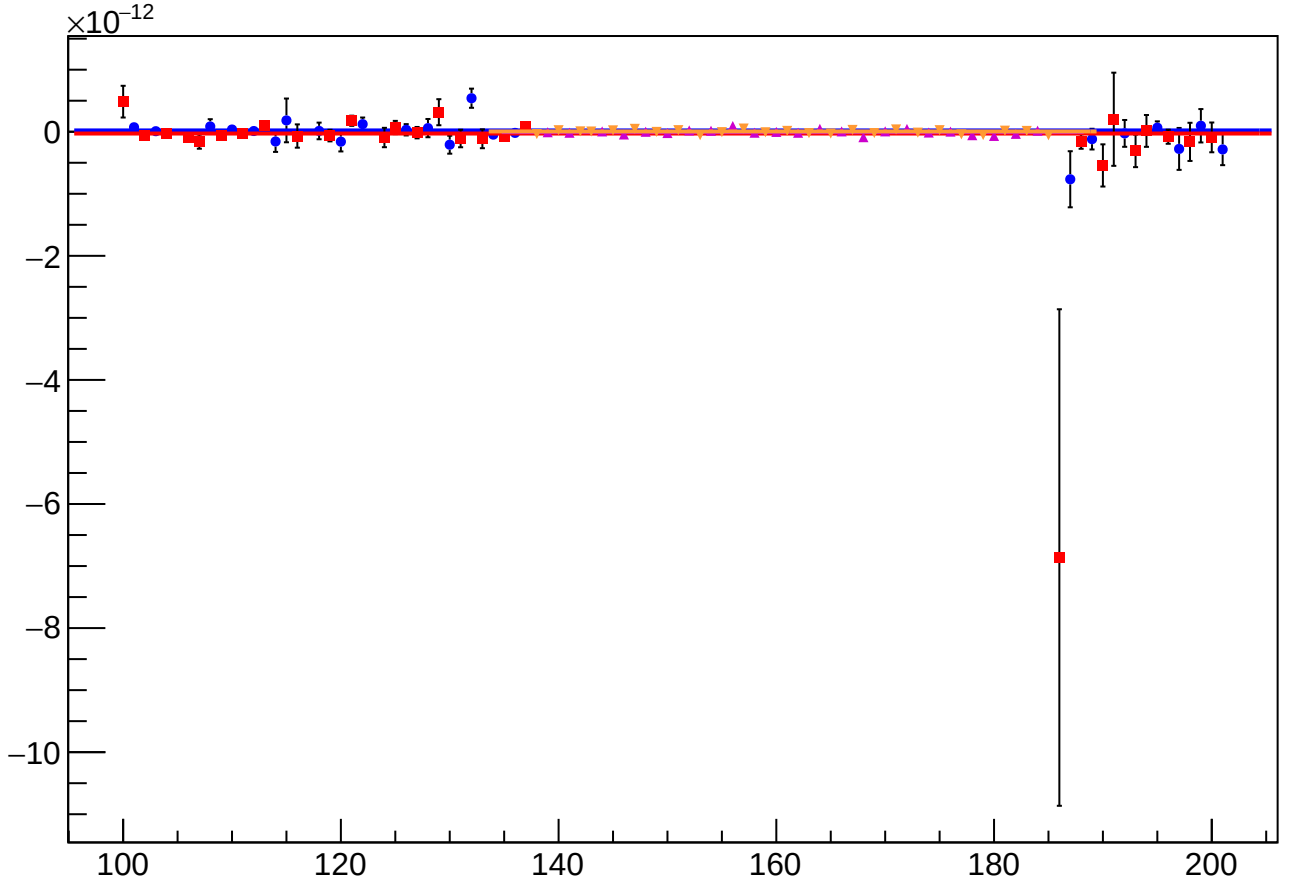
Right Out: 726.845+/-0.159 χ^2/NDF: 6265747.8/27

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 709.294+/-0.094 χ^2/NDF: 5579042.1/47

All: 705.963+/-0.066 χ^2/NDF: 12449562.9/98

- sign 702.654+/-0.093 χ^2/NDF: 6867998.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 29.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

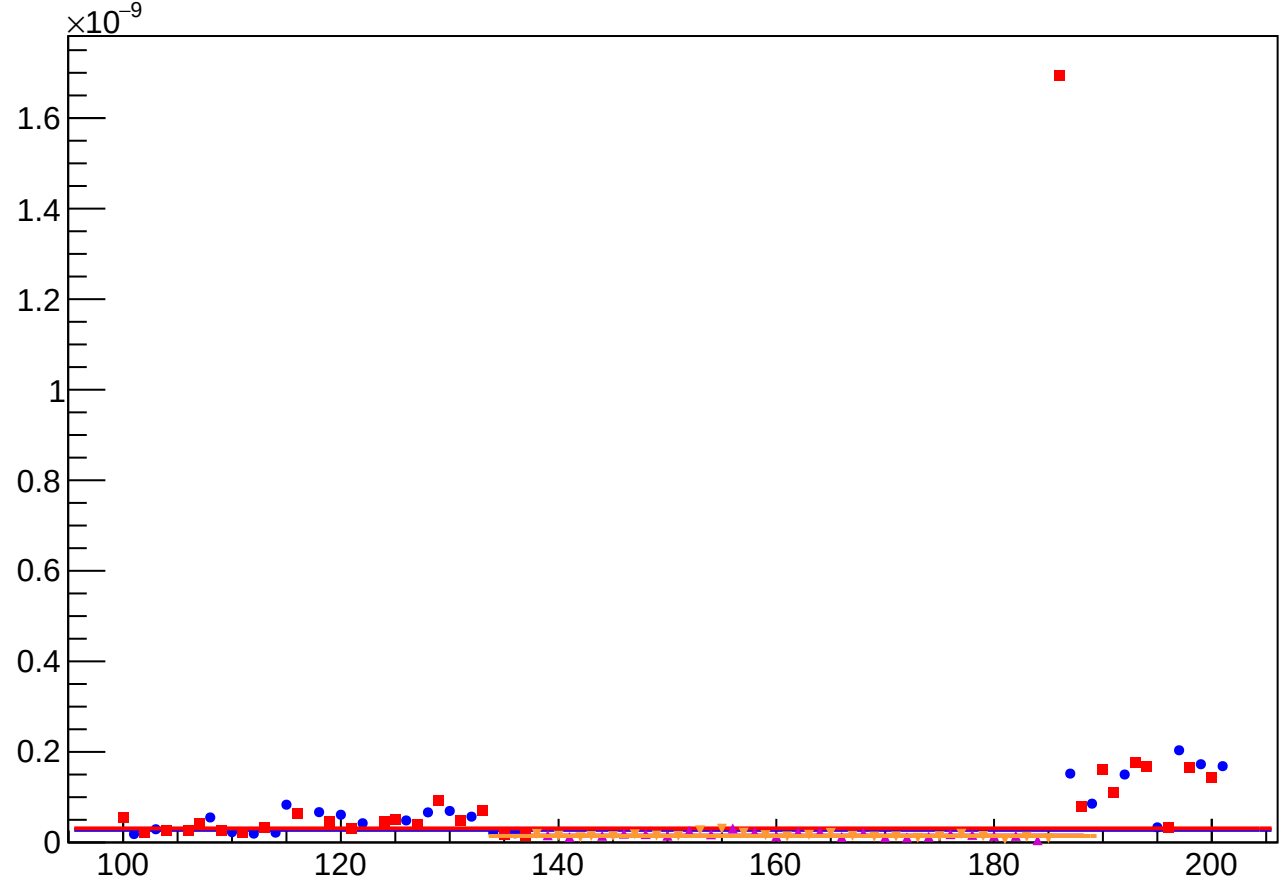
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/27

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: 119.4/98

- sign -0.000+/-0.000 χ^2/NDF: 62.3/50



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: 4083263.8/27

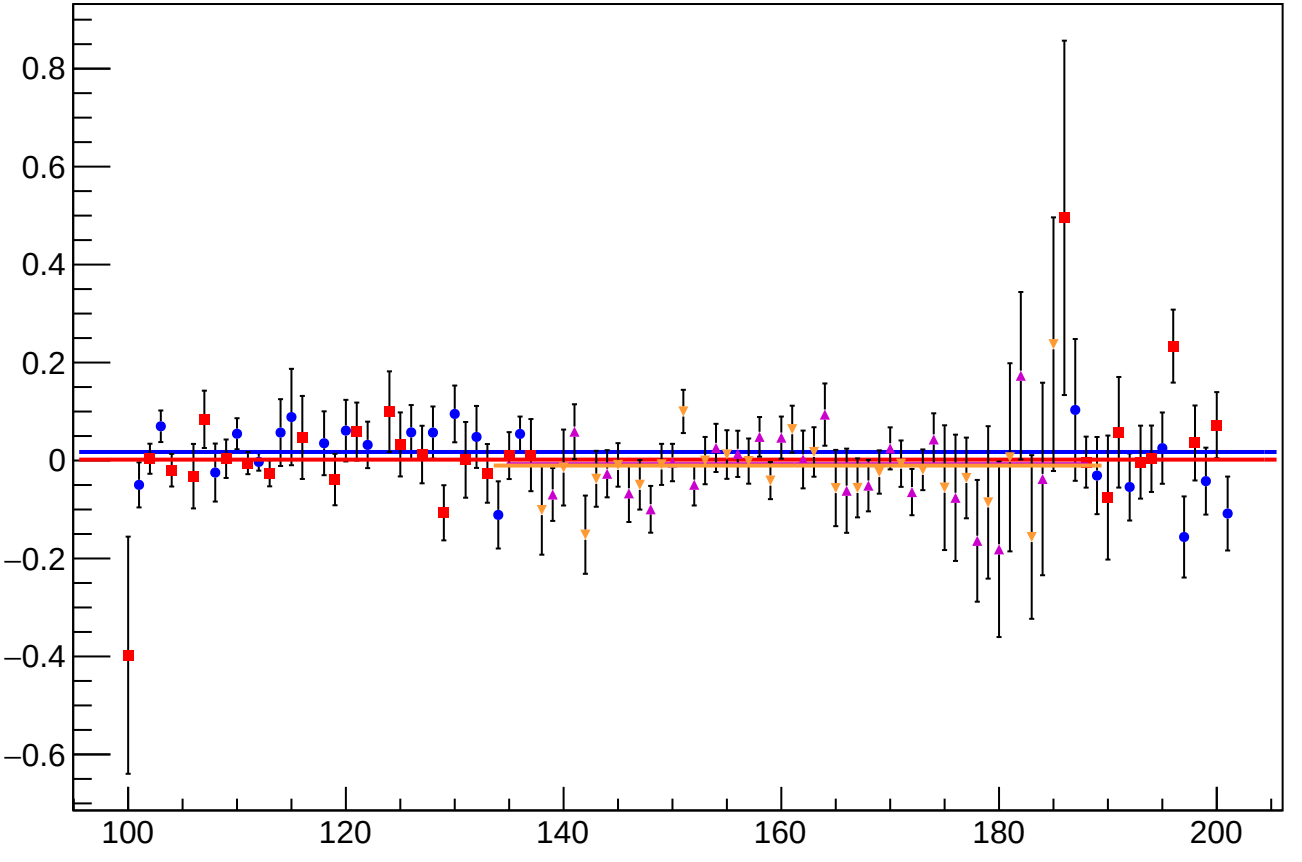
Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6600261.6/47

All: 0.000+/-0.000 χ^2/NDF: 13570941.2/98

- sign 0.000+/-0.000 χ^2/NDF: 6921659.0/50

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



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: 0.002+/-0.010 χ^2/NDF: 27.5/27

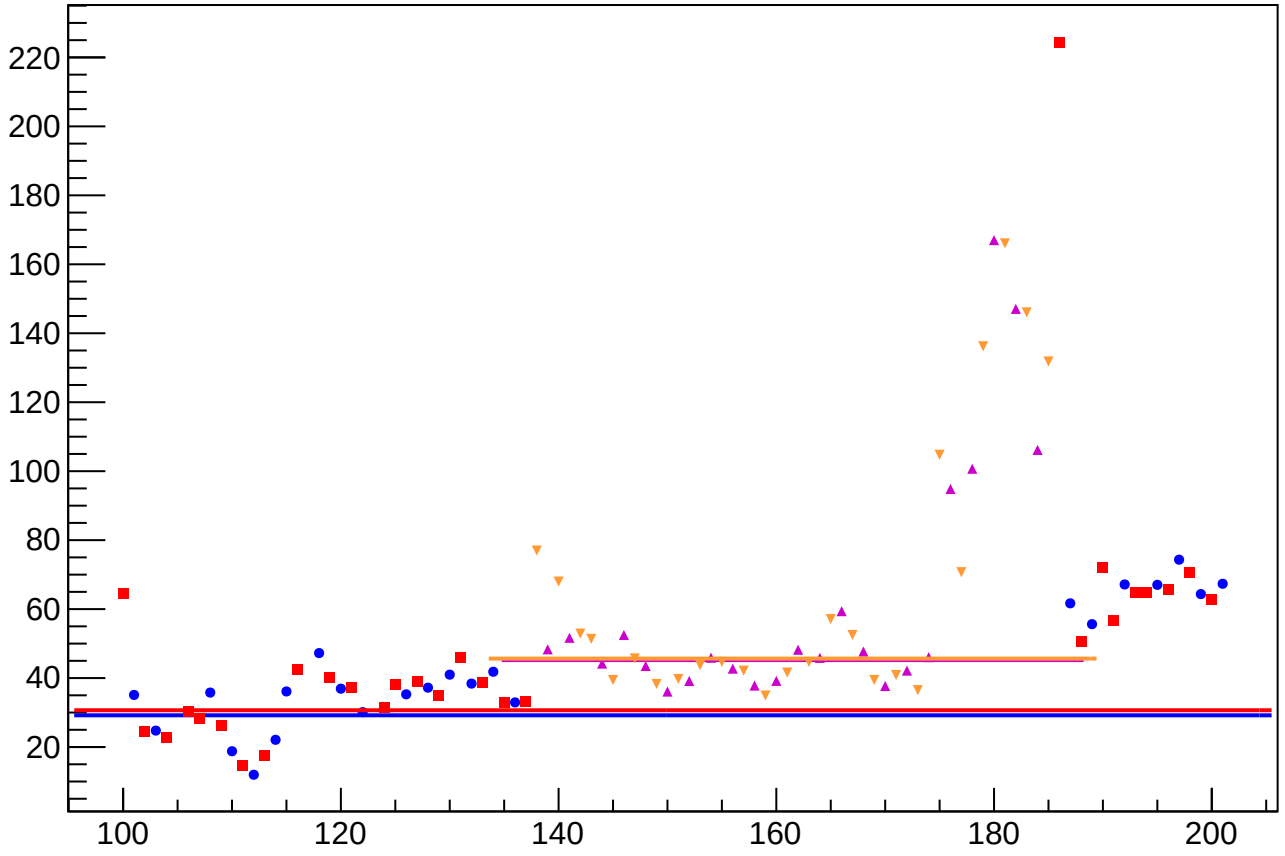
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.006+/-0.007 χ^2/NDF: 48.4/47

All: 0.002+/-0.005 χ^2/NDF: 100.1/98

- sign -0.002+/-0.007 χ^2/NDF: 51.2/50

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

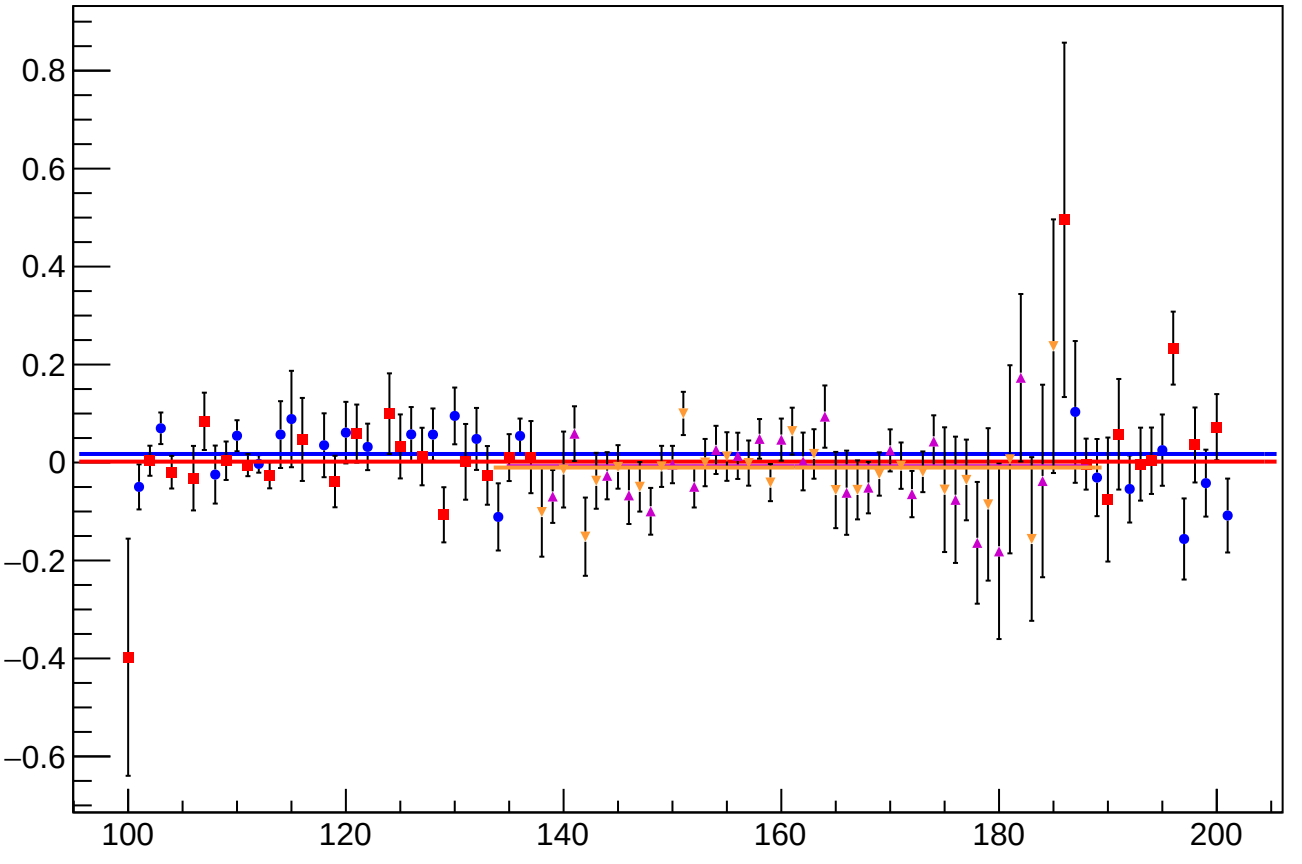
Right Out: 30.664+/-0.007 χ^2/NDF: 5649061.8/27

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 36.258+/-0.005 χ^2/NDF: 12231645.4/47

All: 36.481+/-0.004 χ^2/NDF: 22778782.4/98

- sign 36.701+/-0.005 χ^2/NDF: 10543525.7/50



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: 0.002+/-0.010 χ^2/NDF: 27.5/27

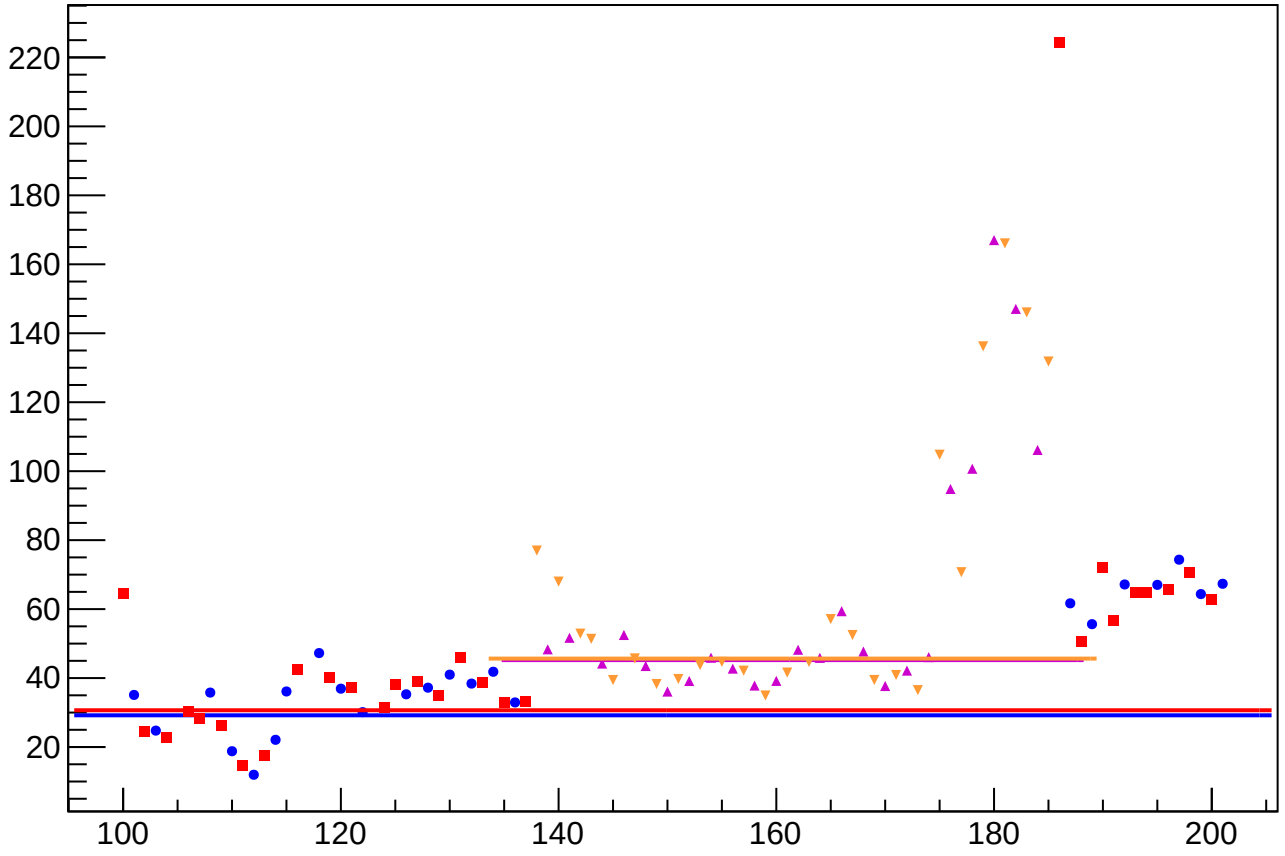
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.006+/-0.007 χ^2/NDF: 48.4/47

All: 0.002+/-0.005 χ^2/NDF: 100.1/98

- sign -0.002+/-0.007 χ^2/NDF: 51.2/50

asym_sam_1548_avg_dit_vs_eigen_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

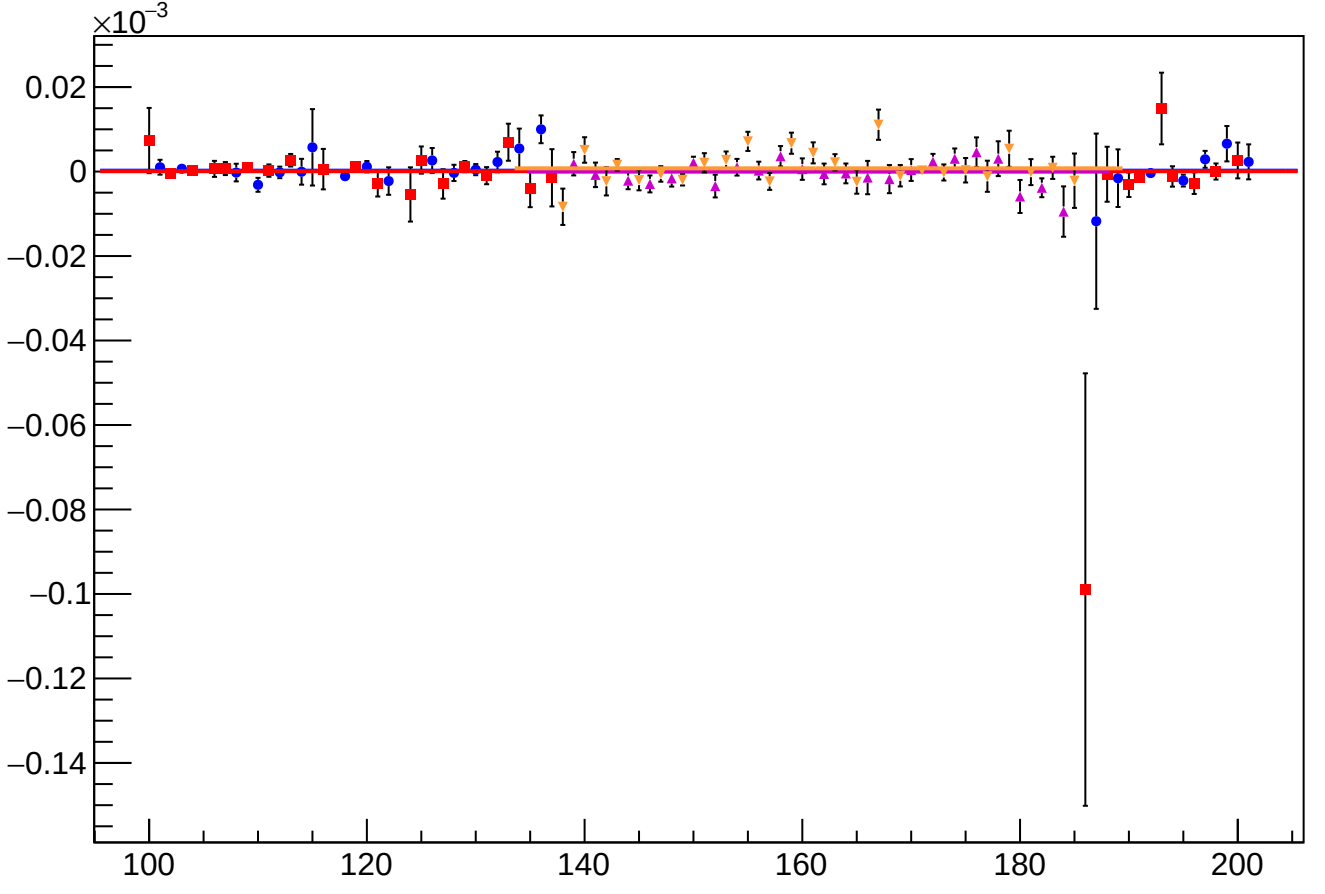
Right Out: 30.664+/-0.007 χ^2/NDF: 5649061.8/27

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 36.258+/-0.005 χ^2/NDF: 12231645.4/47

All: 36.481+/-0.004 χ^2/NDF: 22778782.4/98

- sign 36.701+/-0.005 χ^2/NDF: 10543525.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/22

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

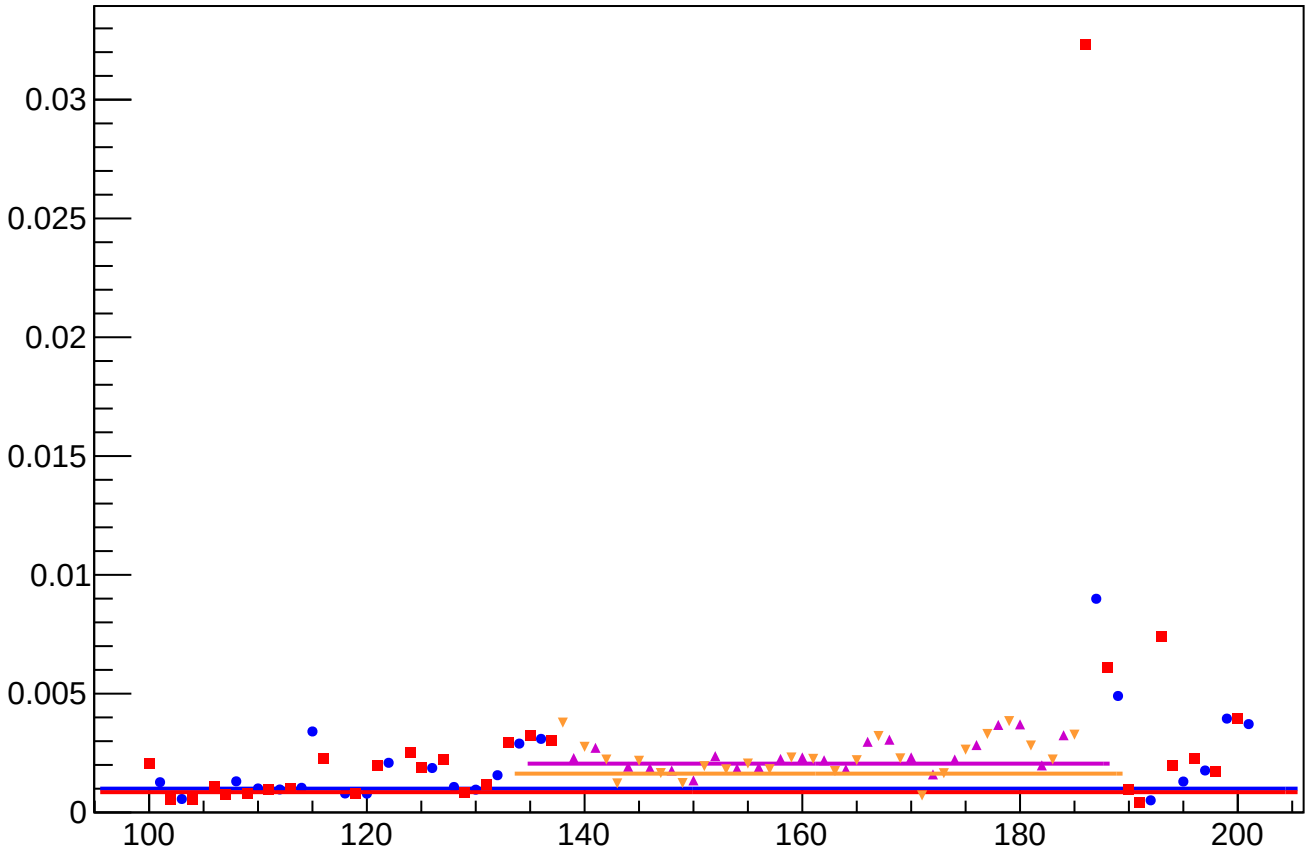
Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/27

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: 126.8/98

- sign 0.000+/-0.000 χ^2/NDF: 51.4/50



Right In: 0.001+/-0.000 χ^2/NDF: 6298984.2/22

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

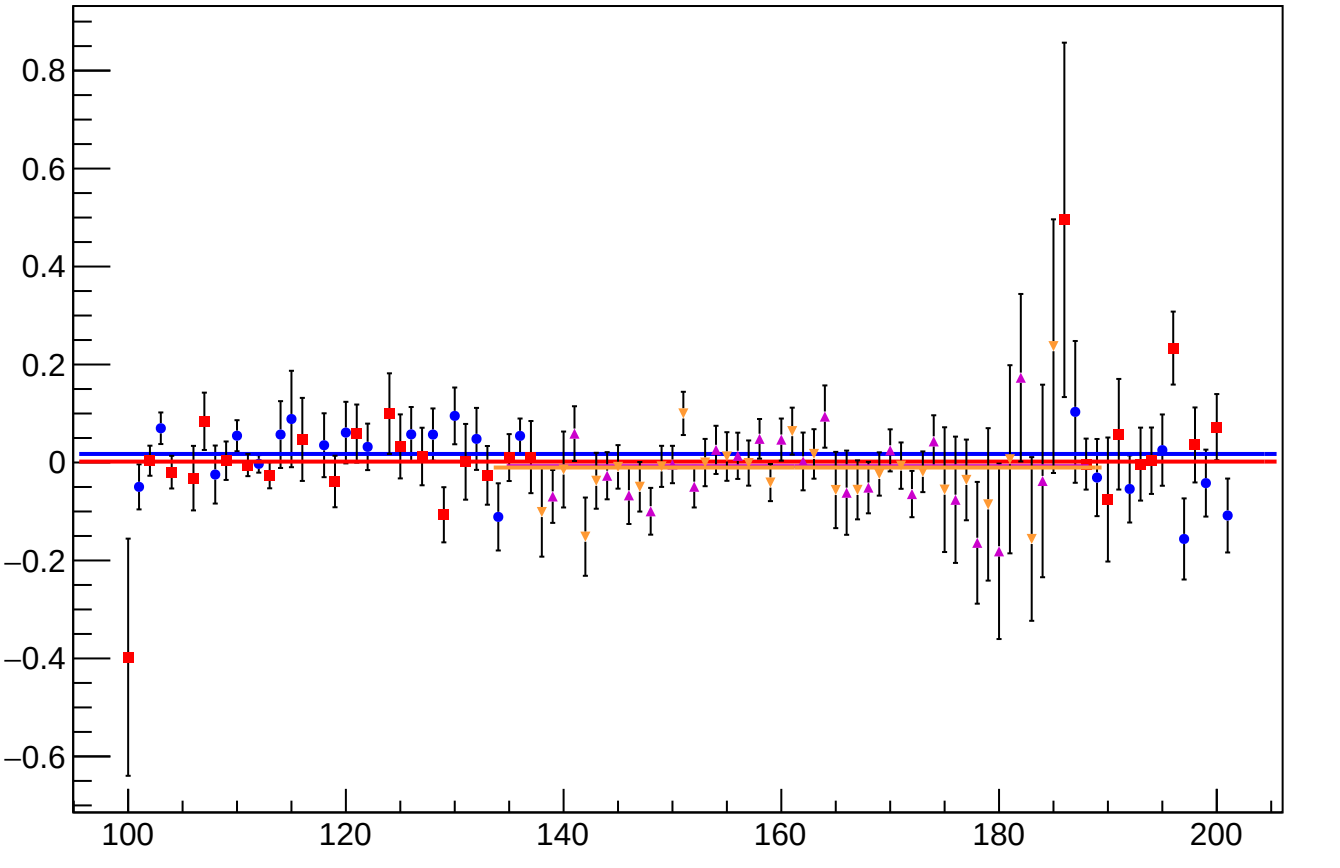
Right Out: 0.001+/-0.000 χ^2/NDF: 9714677.6/27

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: 35881967.6/98

- sign 0.001+/-0.000 χ^2/NDF: 20240911.9/50



Right In: 0.017+/-0.010 χ^2/NDF: 26.9/22

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

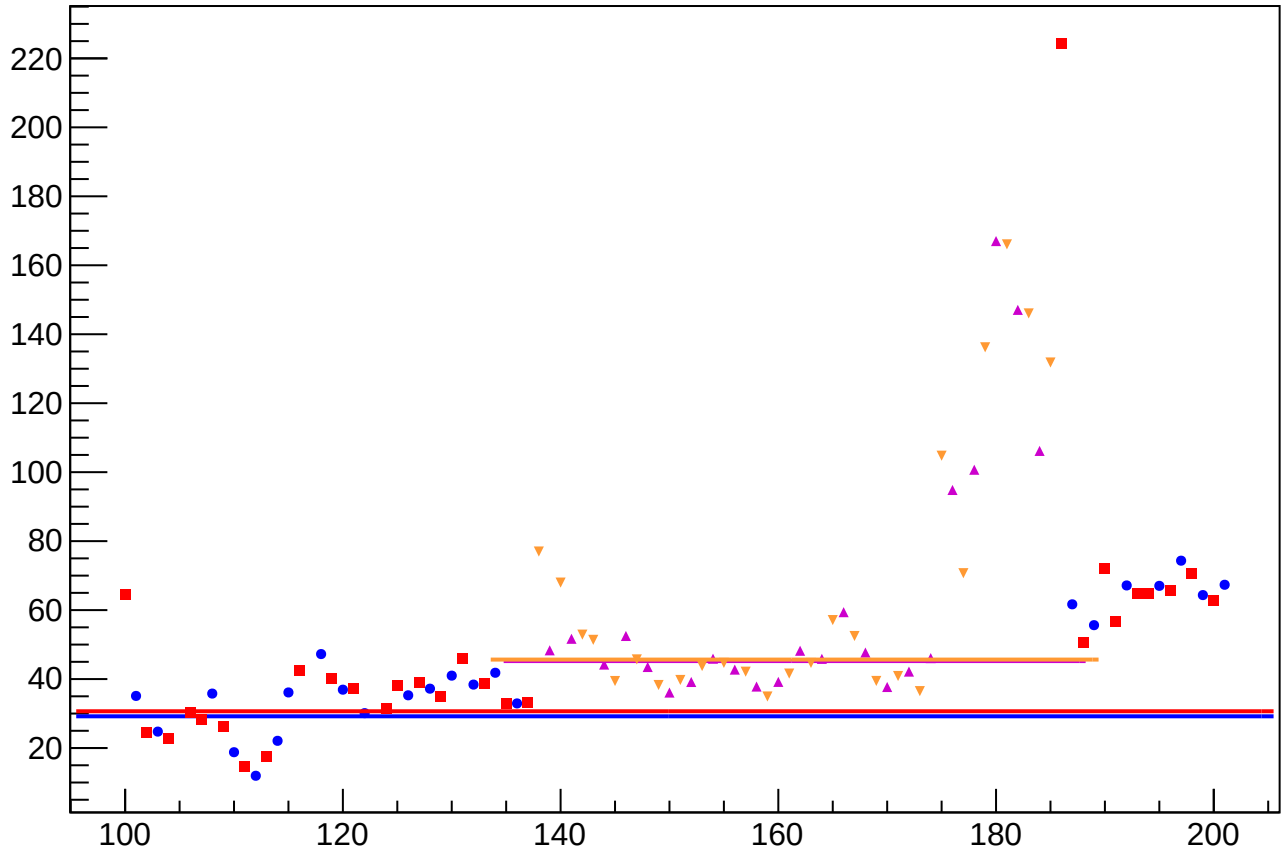
Right Out: 0.002+/-0.010 χ^2/NDF: 27.5/27

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: 100.1/98

- sign -0.002+/-0.007 χ^2/NDF: 51.2/50



Right In: 29.201+/-0.007 χ^2/NDF: 5786288.1/22

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

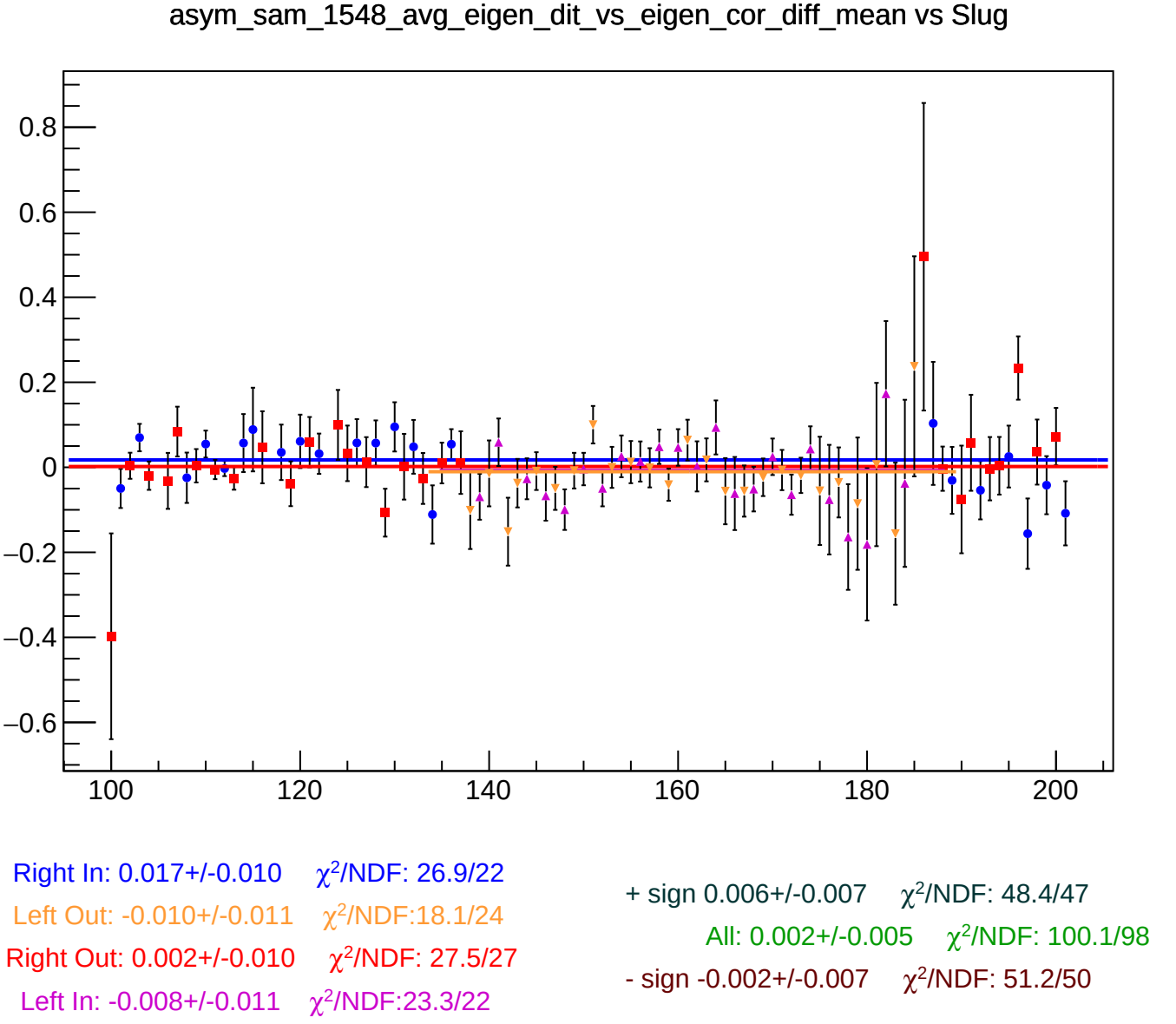
Right Out: 30.664+/-0.007 χ^2/NDF: 5649279.2/27

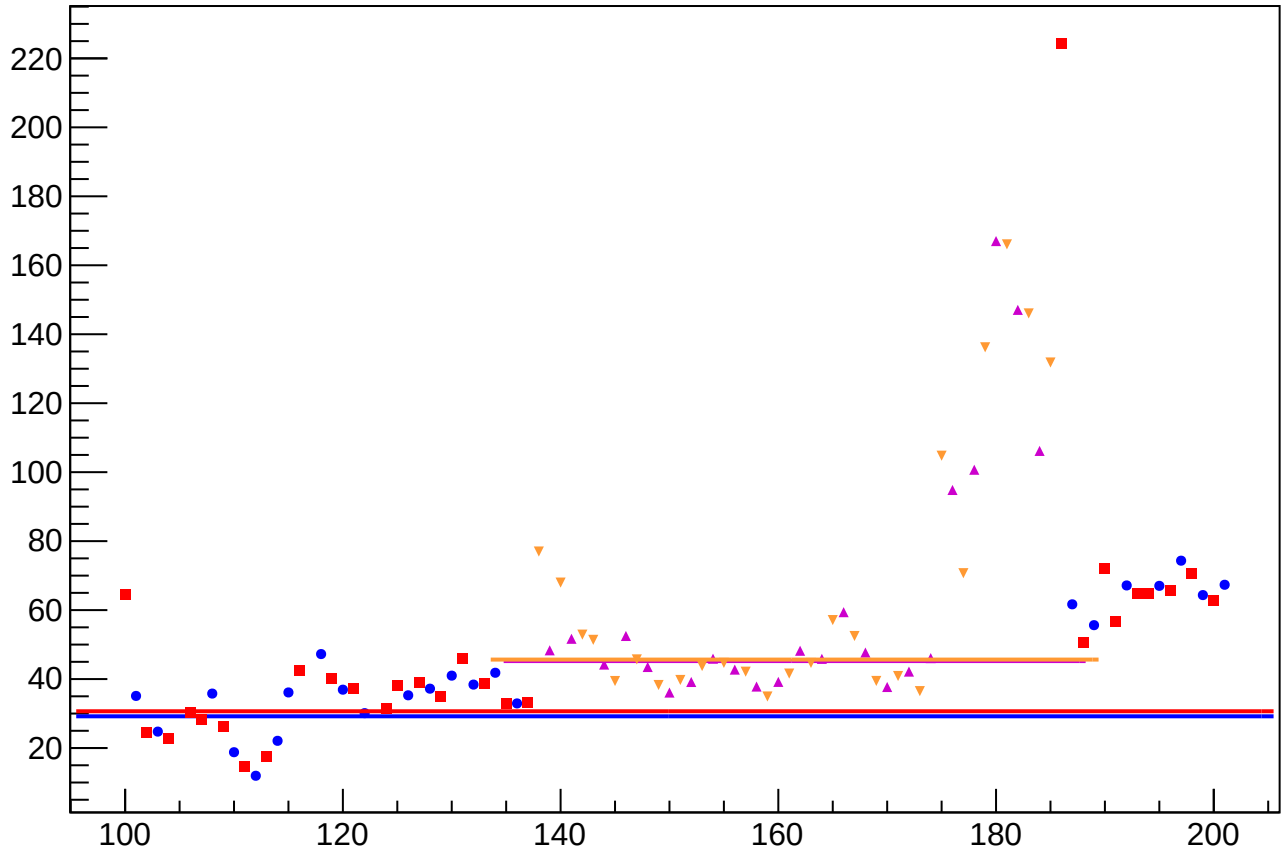
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 36.258+/-0.005 χ^2/NDF: 12232107.8/47

All: 36.481+/-0.004 χ^2/NDF: 22779604.2/98

- sign 36.701+/-0.005 χ^2/NDF: 10543882.4/50


asym_sam_1548_avg_eigen_dit_vs_eigen_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: 0.002+/-0.010 χ²/NDF: 27.5/27
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: 100.1/98
- sign -0.002+/-0.007 χ²/NDF: 51.2/50



Right In: 29.201+/-0.007 χ^2/NDF: 5786288.1/22

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

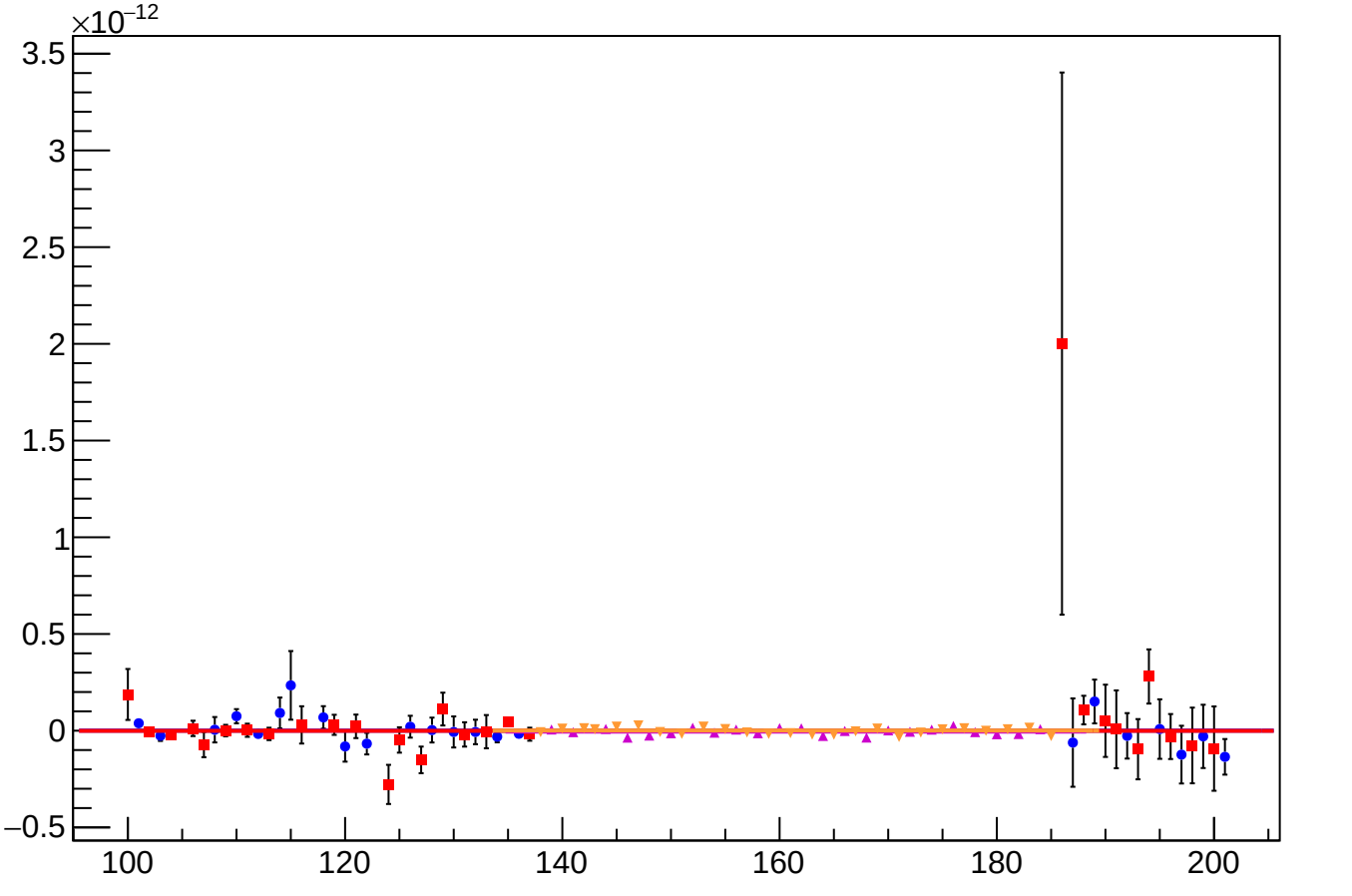
Right Out: 30.664+/-0.007 χ^2/NDF: 5649279.2/27

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 36.258+/-0.005 χ^2/NDF: 12232107.8/47

All: 36.481+/-0.004 χ^2/NDF: 22779604.2/98

- sign 36.701+/-0.005 χ^2/NDF: 10543882.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

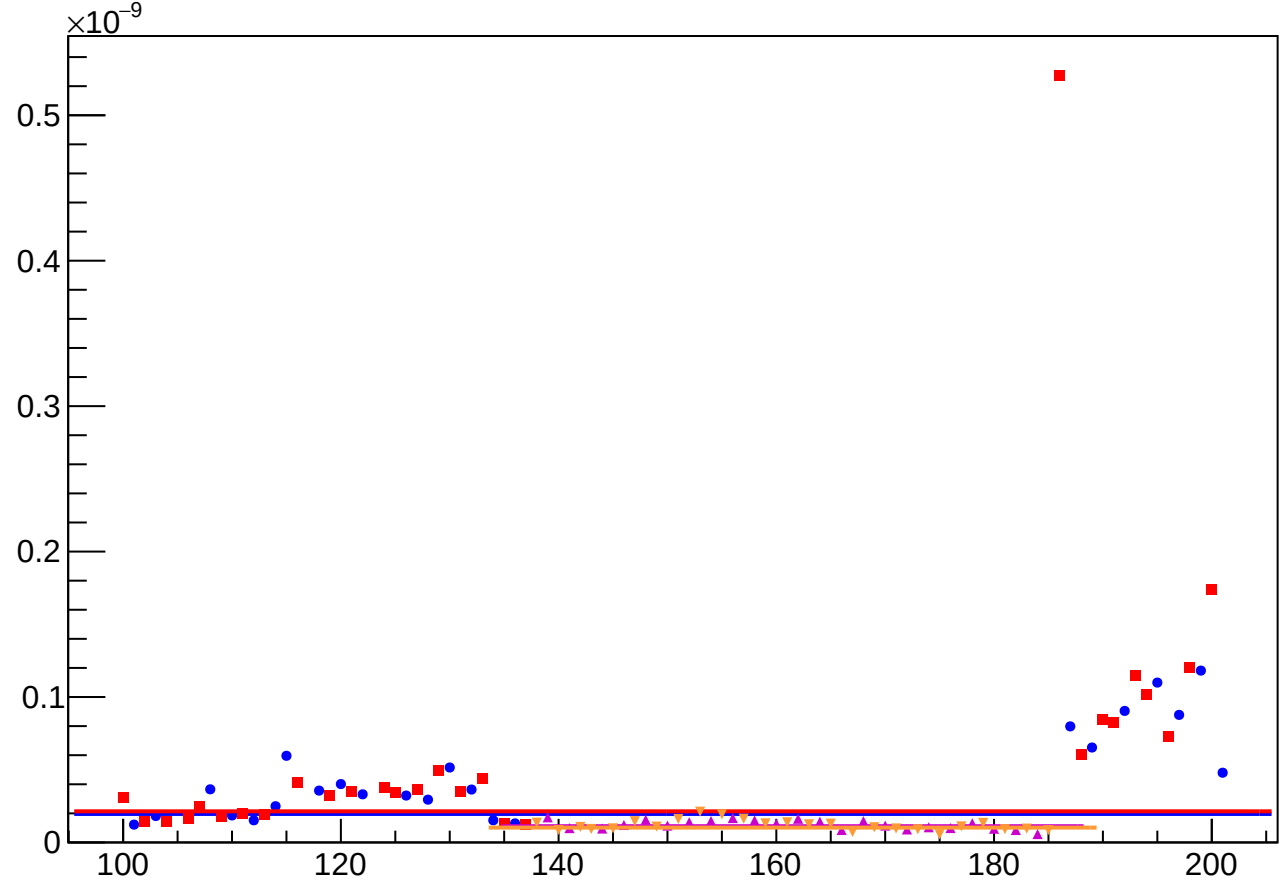
Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/27

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: 106.9/98

- sign -0.000+/-0.000 χ^2/NDF: 56.4/50



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: 6247278.1/27

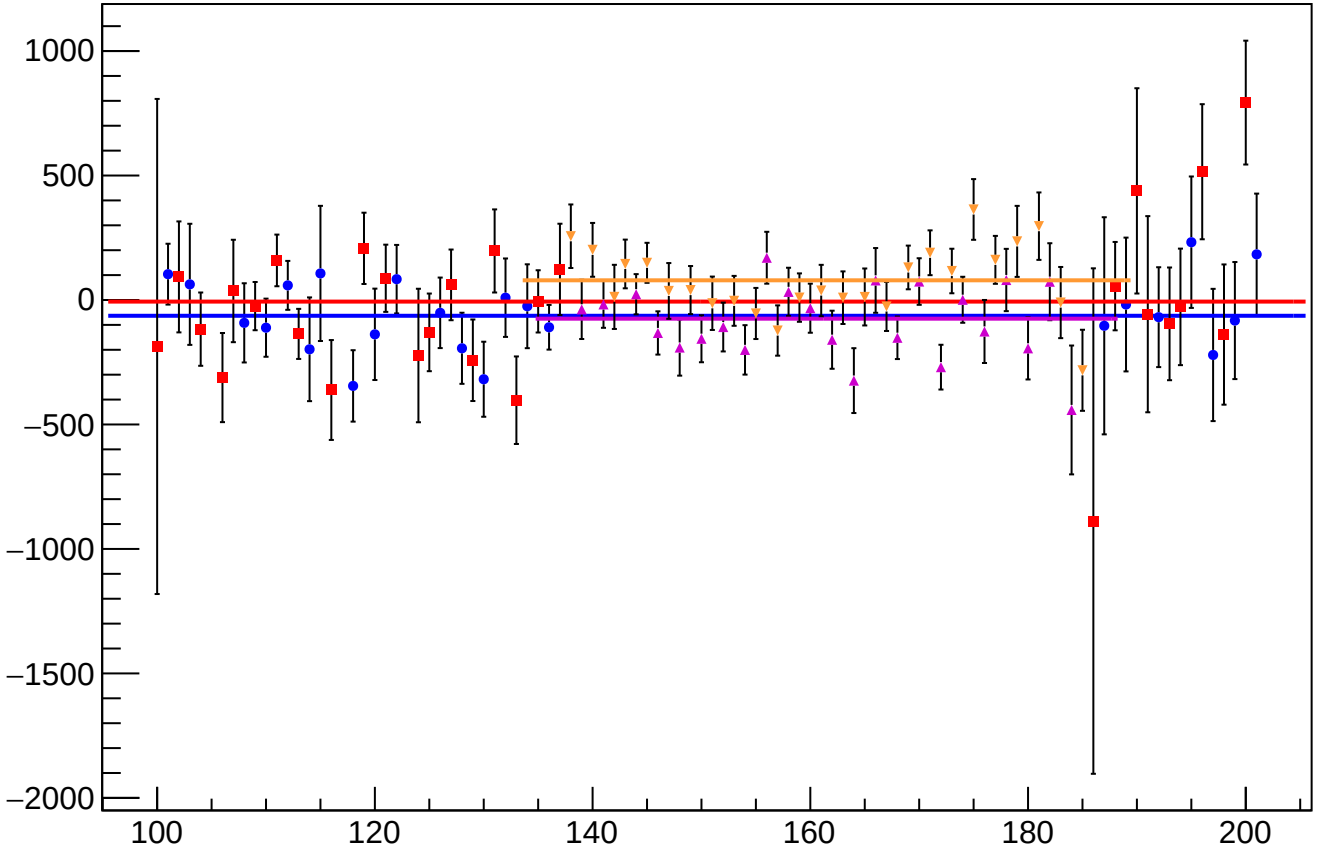
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9592277.5/47

All: 0.000+/-0.000 χ^2/NDF: 19845184.8/98

- sign 0.000+/-0.000 χ^2/NDF: 10100894.8/50

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: -6.415+/-31.977 χ^2/NDF: 40.9/27

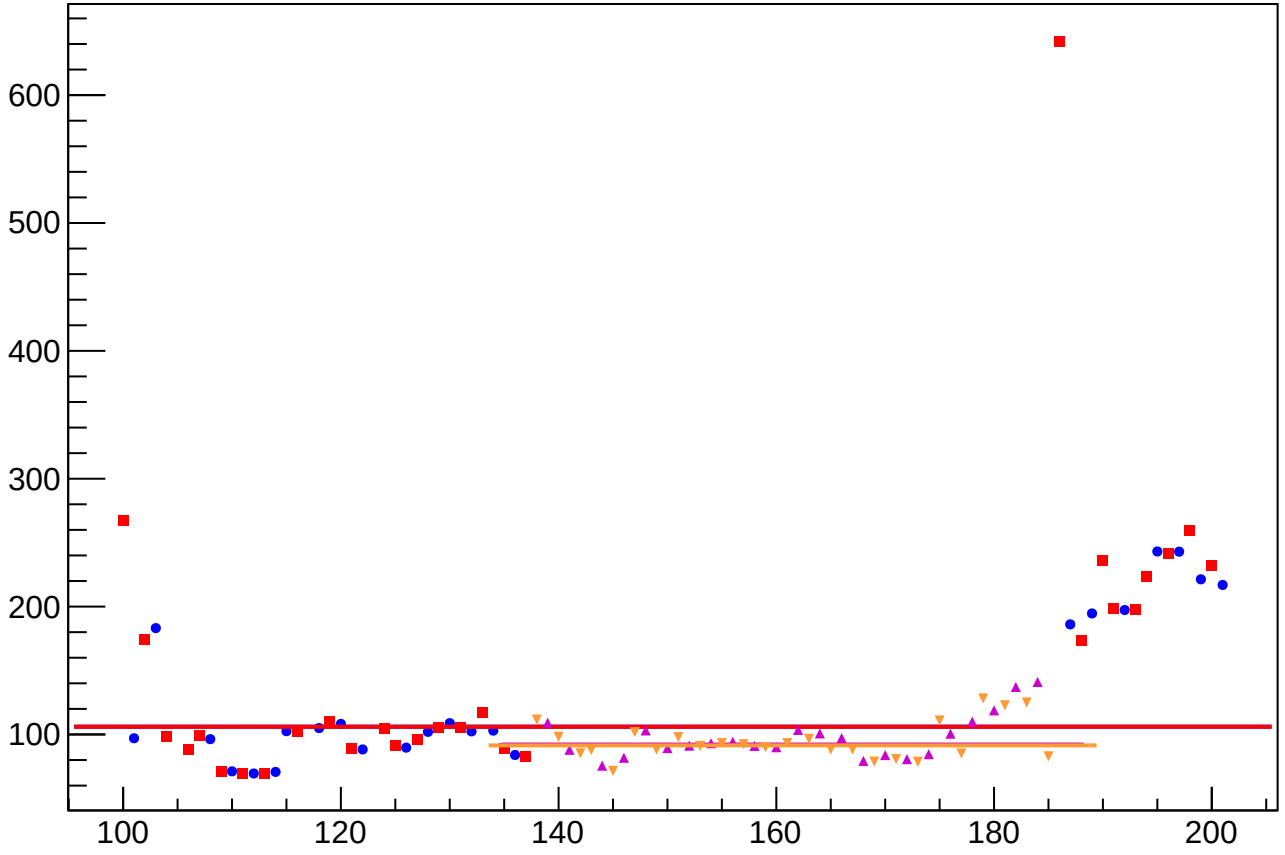
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 37.752+/-17.779 χ^2/NDF: 62.0/47

All: -7.088+/-12.660 χ^2/NDF: 151.6/98

- sign -53.220+/-18.033 χ^2/NDF: 76.7/50

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

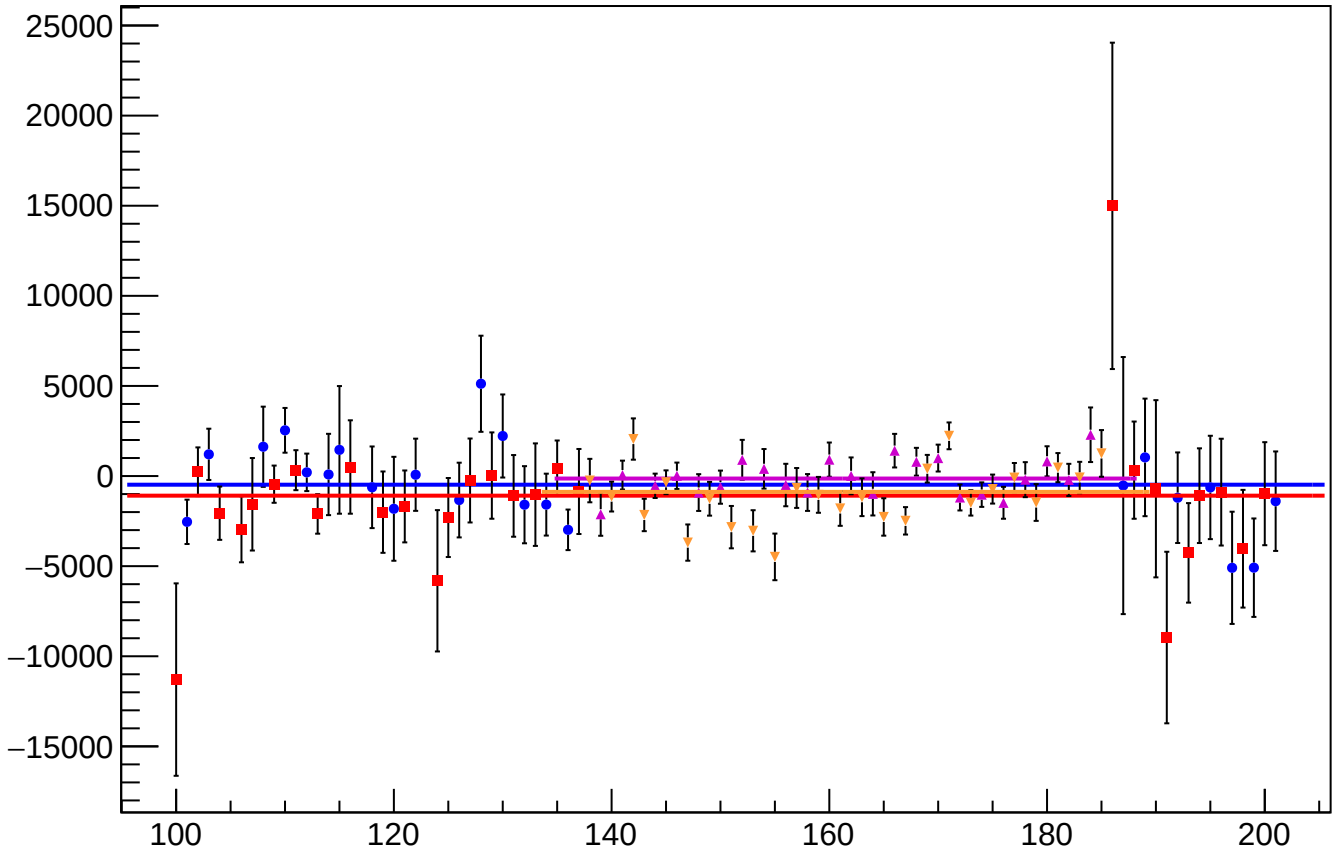
Right Out: 105.986+/-0.023 χ^2/NDF: 4780291.7/27

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

\+ sign 95.715+/-0.013 χ^2/NDF: 4613384.2/47

All: 96.110+/-0.009 χ^2/NDF: 10352473.5/98

\- sign 96.517+/-0.013 χ^2/NDF: 5737087.0/50



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: -1088.662+/-376.206 χ^2/NDF: 21.0/27

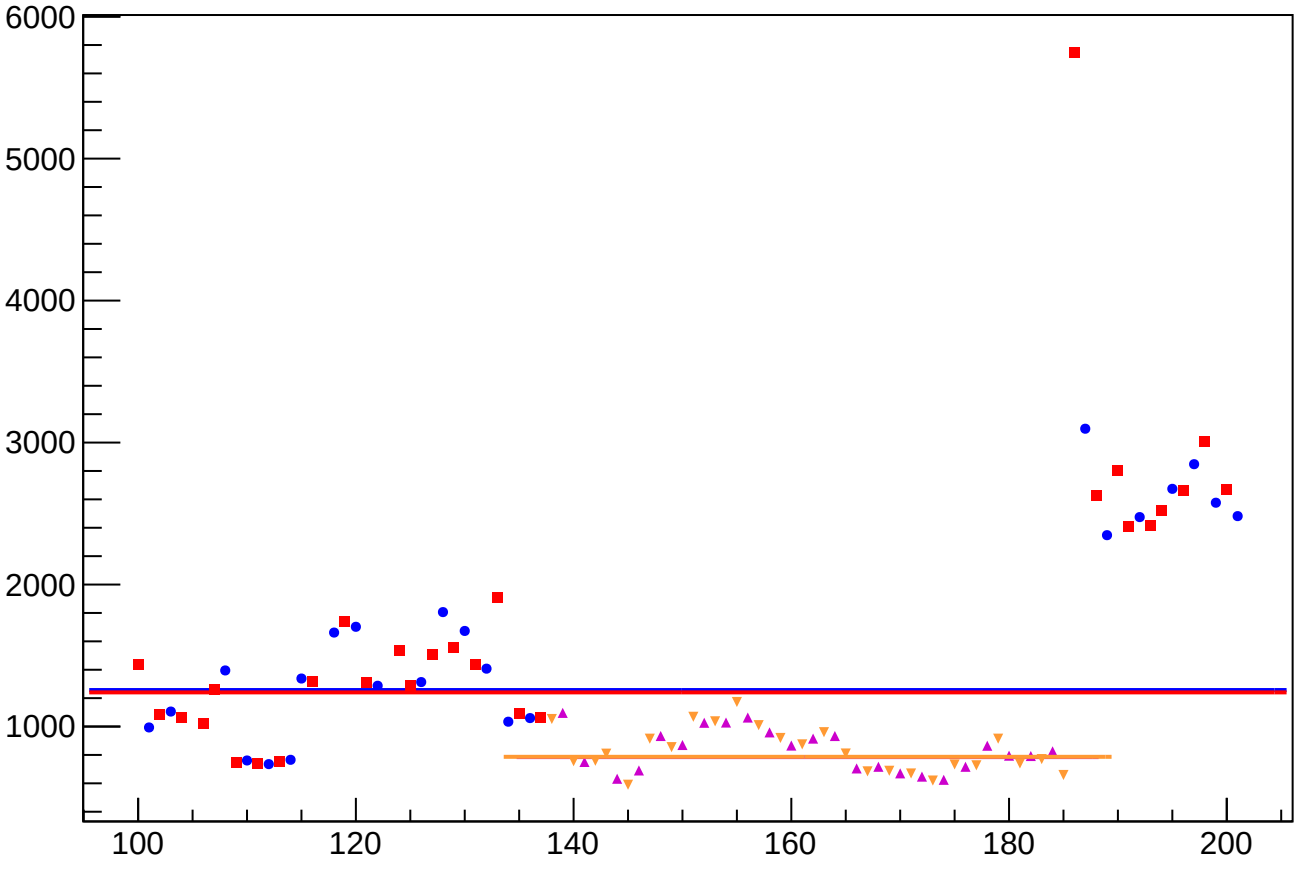
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -808.358+/-165.363 χ^2/NDF: 97.7/47

All: -569.888+/-117.555 χ^2/NDF: 152.3/98

- sign -326.244+/-167.147 χ^2/NDF: 50.3/50

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: 1240.552+/-0.266 χ^2/NDF: 5395899.5/27

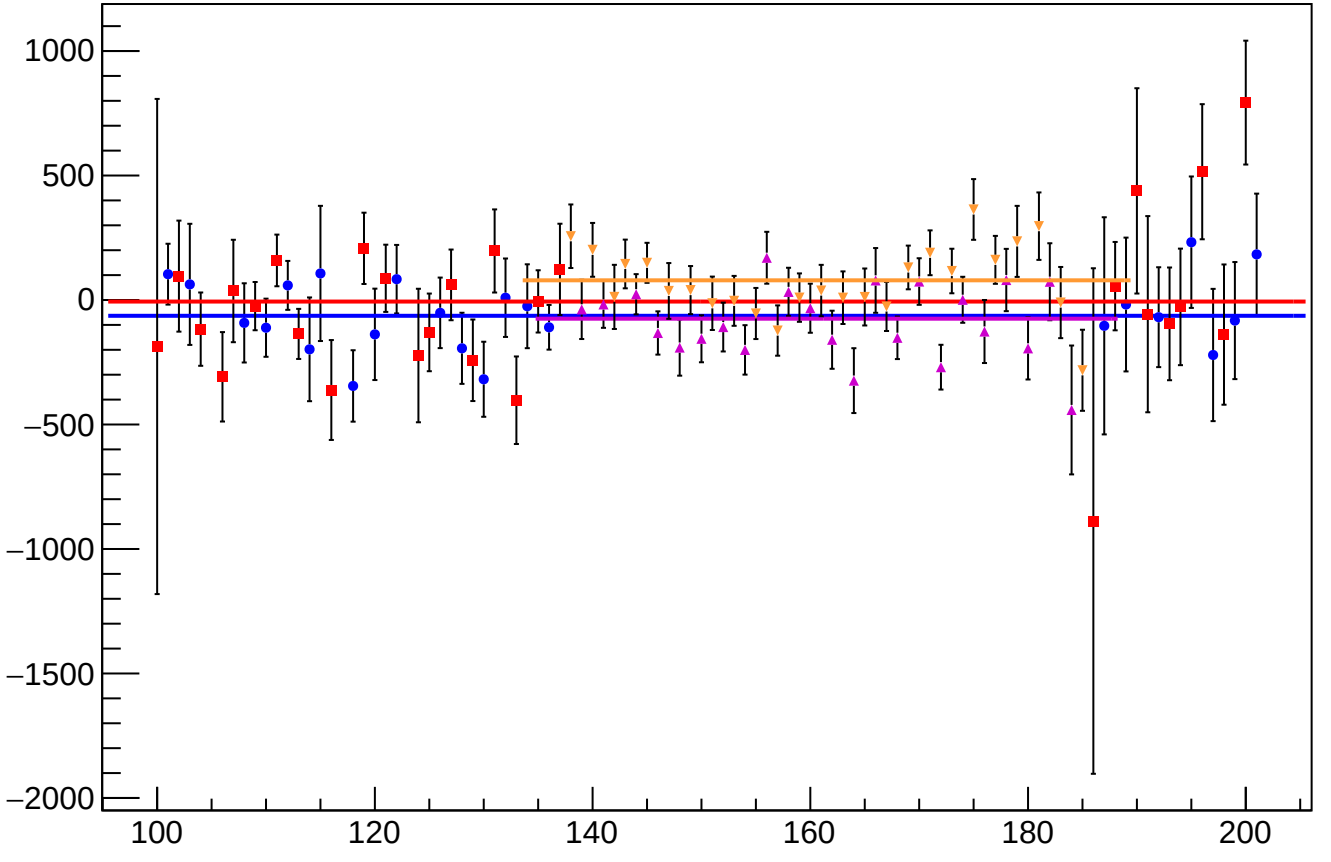
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

\+ sign 869.616+/-0.117 χ^2/NDF: 7666424.3/47

All: 872.176+/-0.083 χ^2/NDF: 16482478.1/98

\- sign 874.792+/-0.118 χ^2/NDF: 8815084.6/50

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: -6.191+/-31.980 χ^2/NDF: 40.9/27

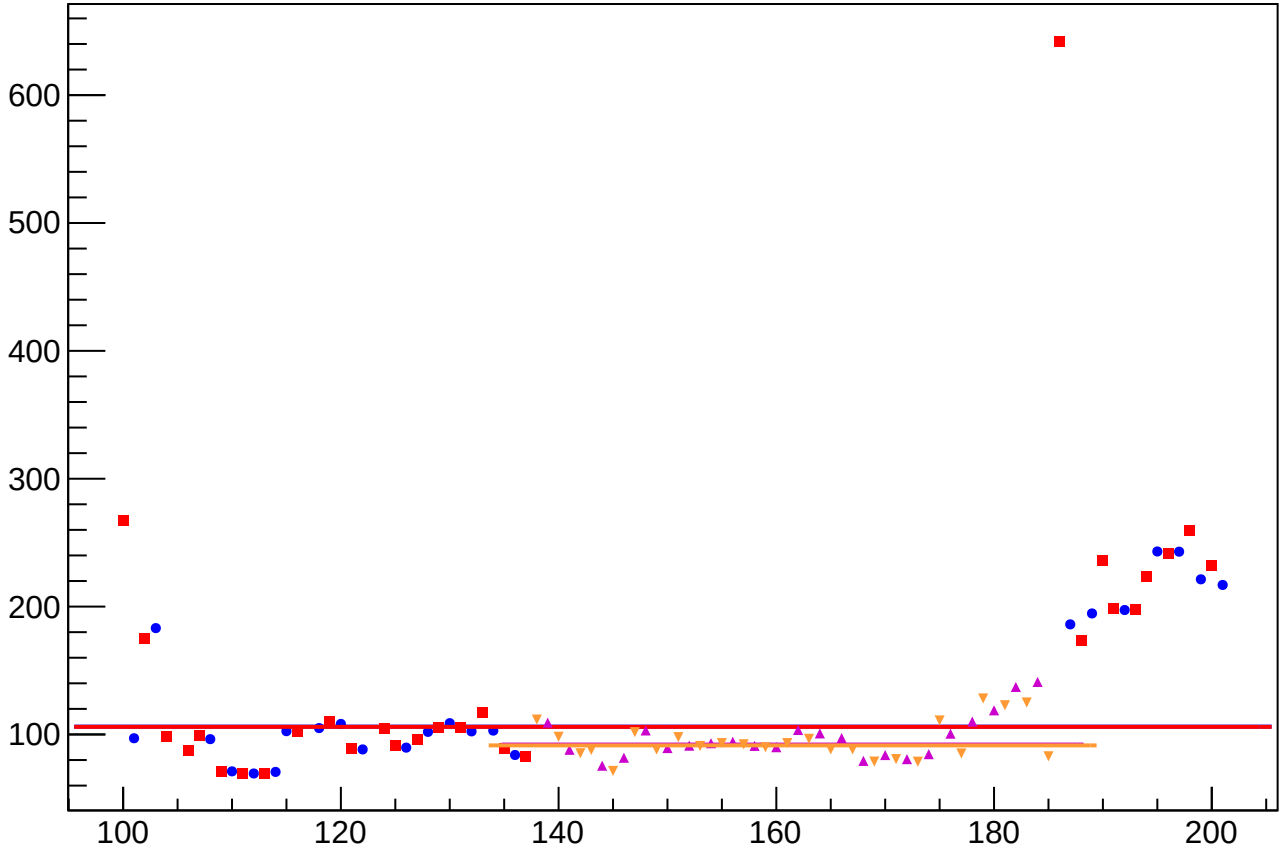
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.755+/-17.779 χ^2/NDF: 62.0/47

All: -7.052+/-12.661 χ^2/NDF: 151.5/98

- sign -53.153+/-18.034 χ^2/NDF: 76.7/50

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

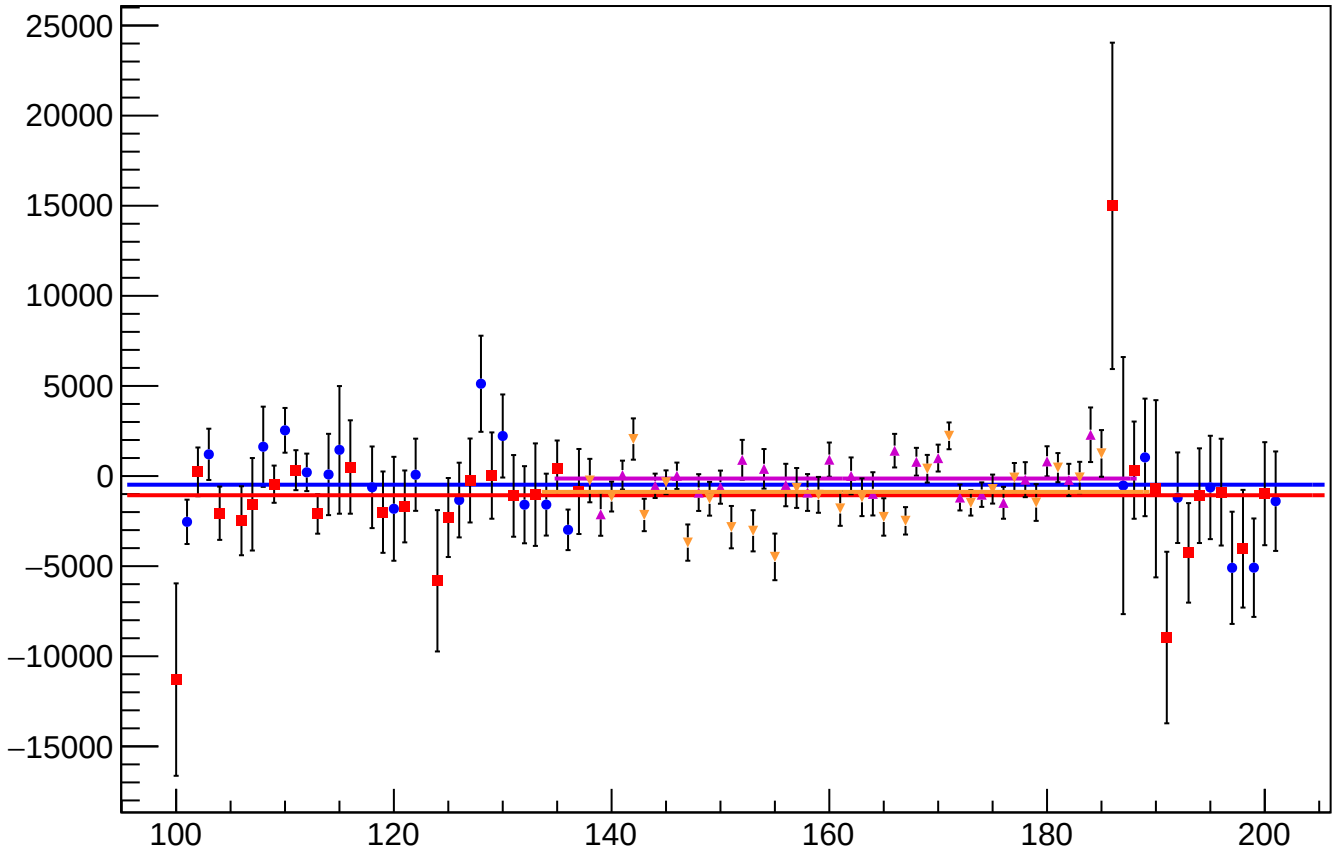
Right Out: 105.948+/-0.023 χ^2/NDF: 4783340.6/27

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

\+ sign 95.715+/-0.013 χ^2/NDF: 4613387.4/47

All: 96.104+/-0.009 χ^2/NDF: 10354020.7/98

\- sign 96.504+/-0.013 χ^2/NDF: 5738694.1/50



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: -1064.628+/-376.874 χ^2/NDF: 20.5/27

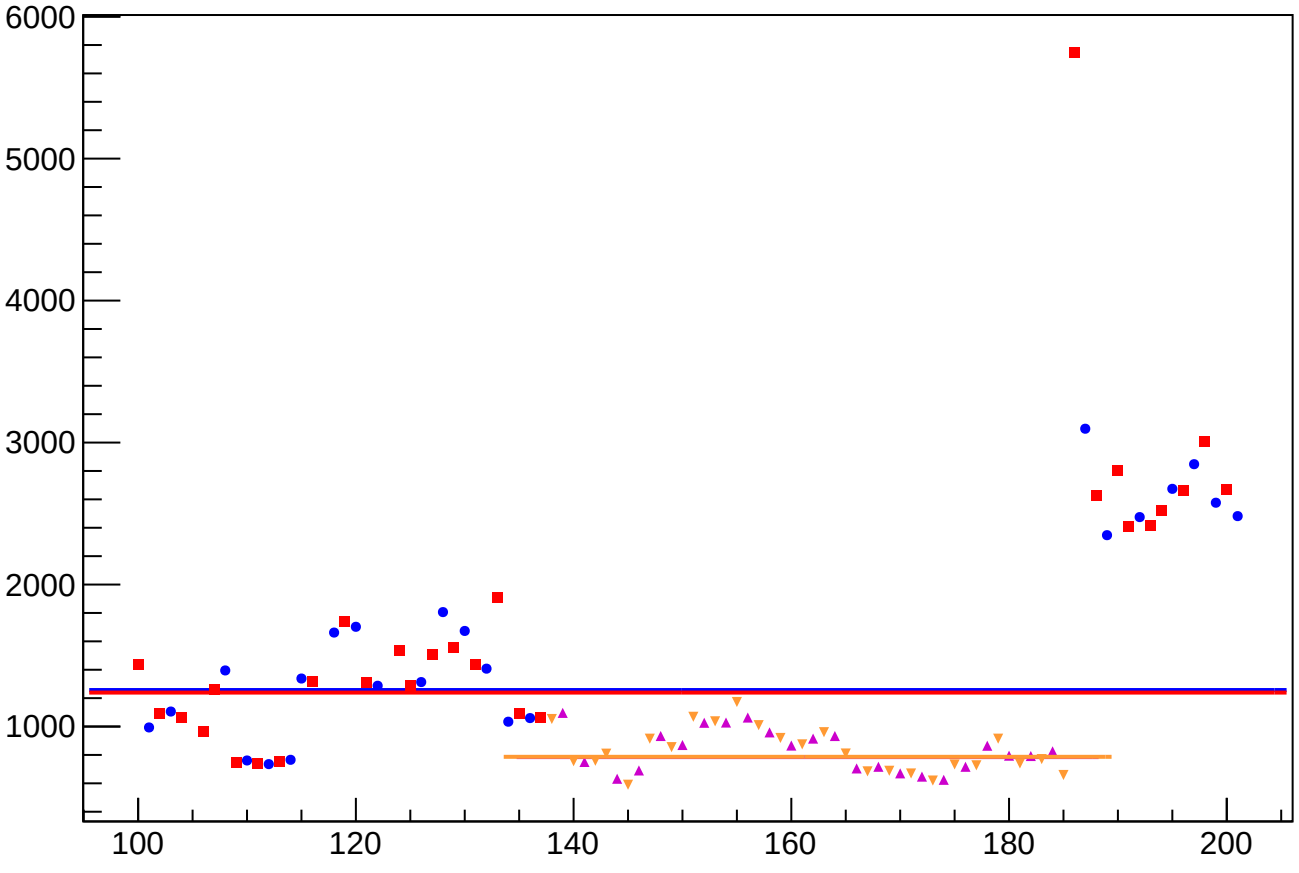
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -808.354+/-165.363 χ^2/NDF: 97.7/47

All: -567.368+/-117.575 χ^2/NDF: 151.6/98

- sign -320.982+/-167.206 χ^2/NDF: 49.6/50

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: 1239.170+/-0.266 χ^2/NDF: 5408525.5/27

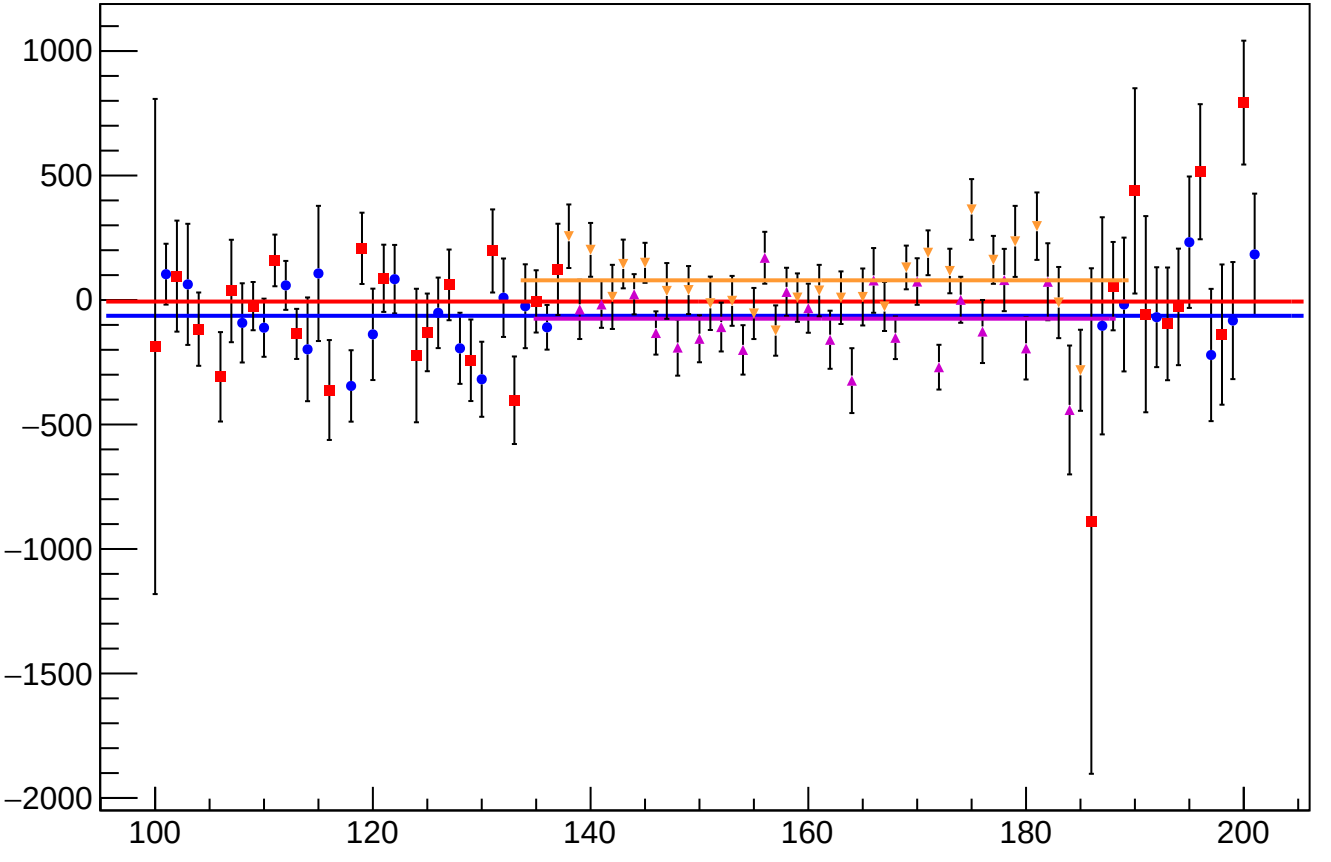
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

\+ sign 869.617+/-0.117 χ^2/NDF: 7666466.5/47

All: 871.915+/-0.083 χ^2/NDF: 16474027.9/98

\- sign 874.264+/-0.118 χ^2/NDF: 8806780.3/50

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: -6.191+/-31.980 χ^2/NDF: 40.9/27

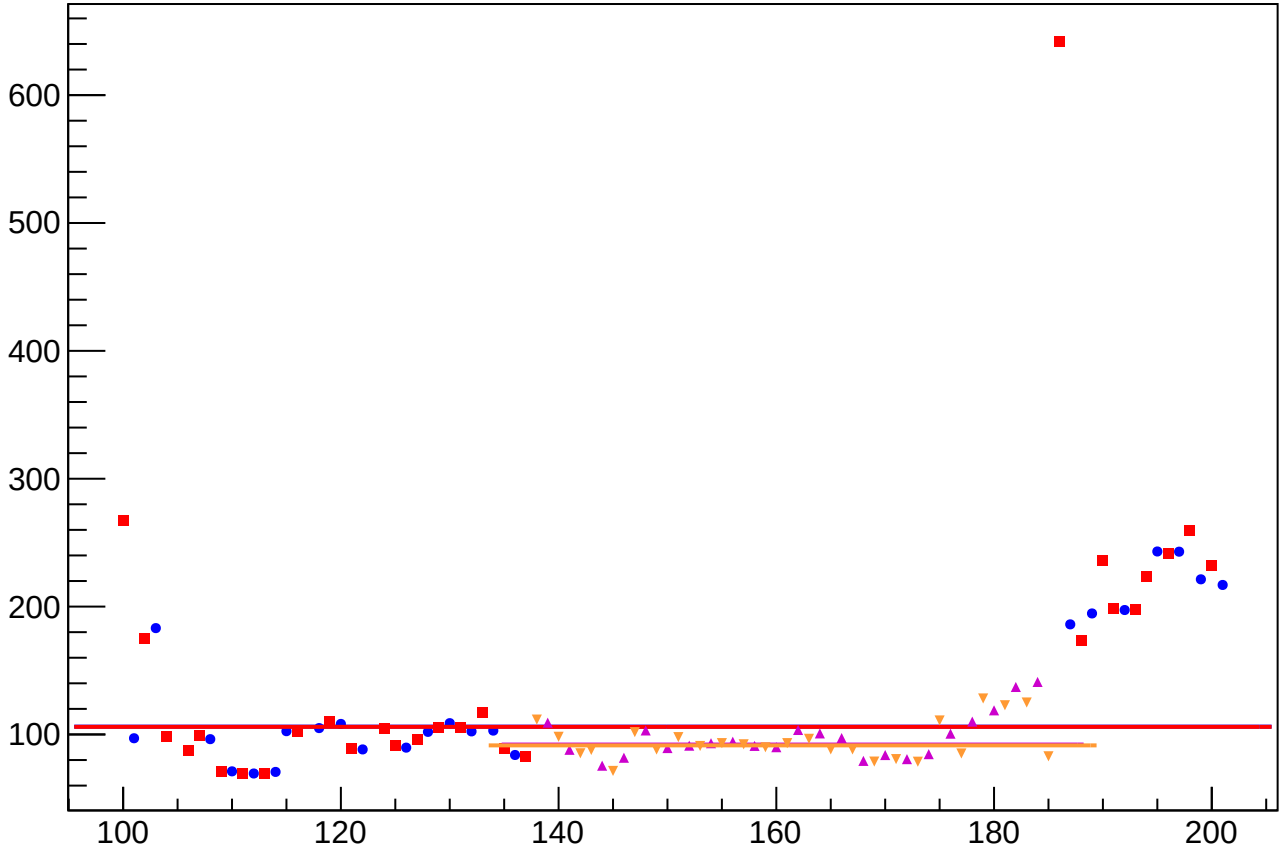
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.755+/-17.779 χ^2/NDF: 62.0/47

All: -7.052+/-12.661 χ^2/NDF: 151.5/98

- sign -53.153+/-18.034 χ^2/NDF: 76.7/50

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

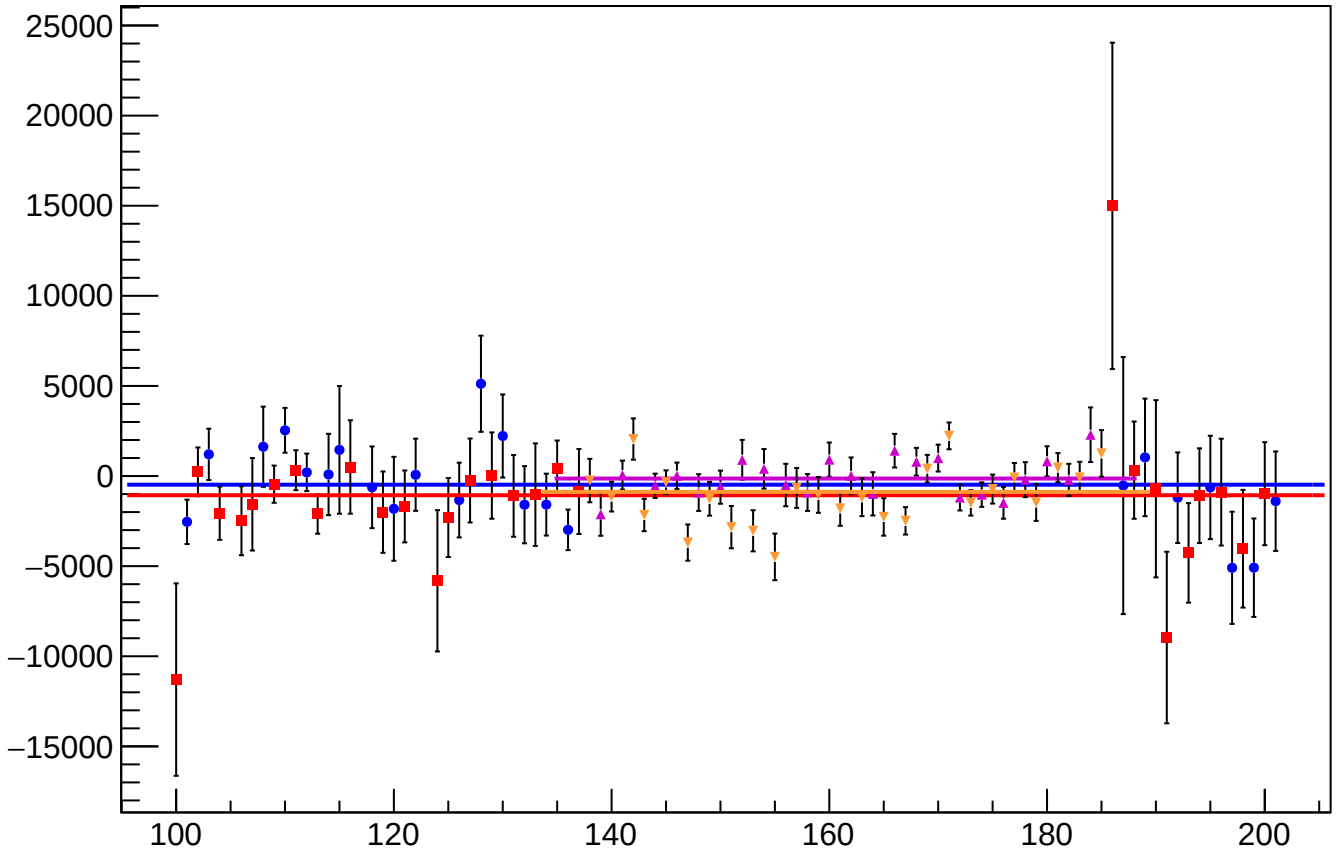
Right Out: 105.948+/-0.023 χ^2/NDF: 4783340.6/27

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 95.715+/-0.013 χ^2/NDF: 4613387.4/47

All: 96.104+/-0.009 χ^2/NDF: 10354020.7/98

- sign 96.504+/-0.013 χ^2/NDF: 5738694.1/50



Right In: -480.540+/-393.983 χ^2/NDF: 29.1/22

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

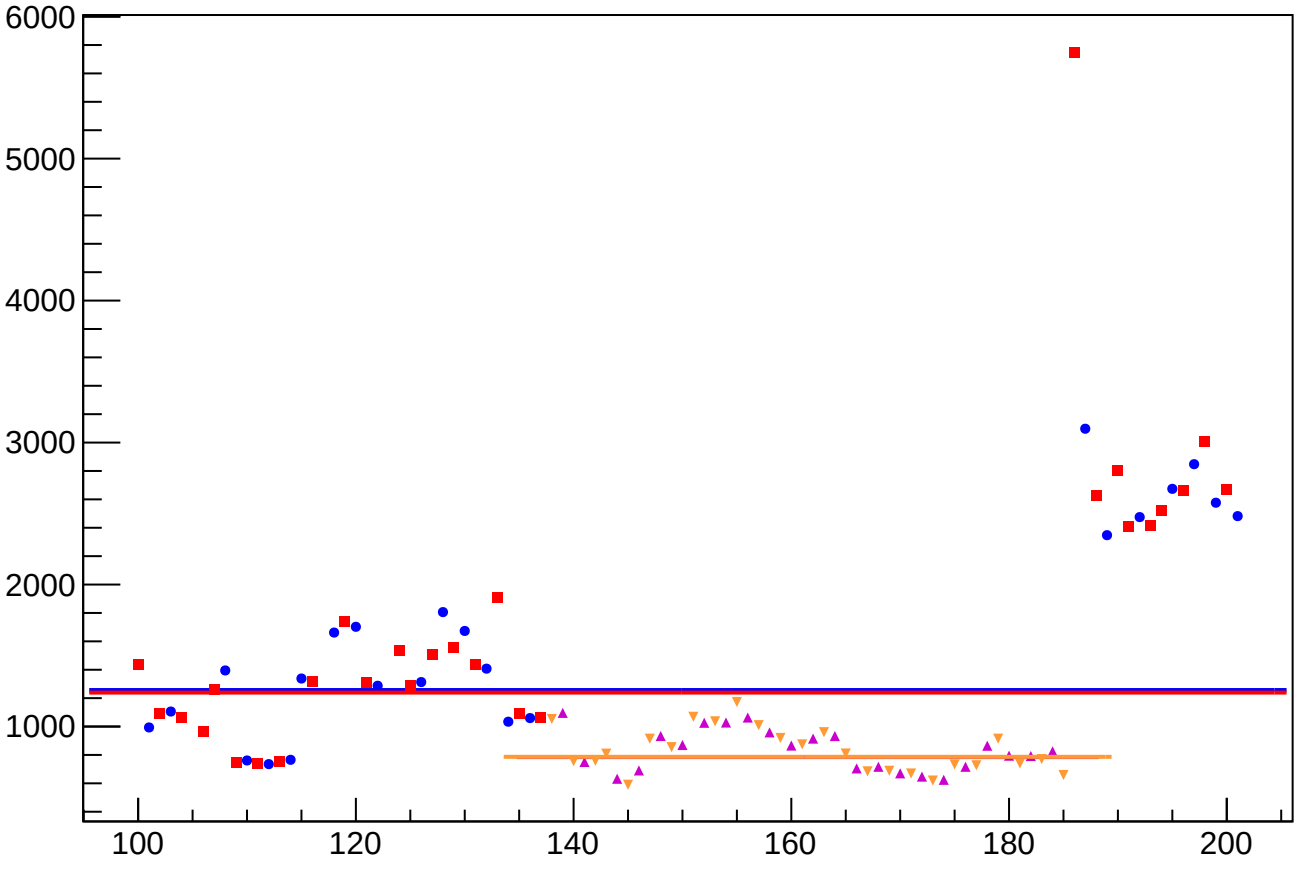
Right Out: -1064.628+/-376.874 χ^2/NDF: 20.5/27

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -808.354+/-165.363 χ^2/NDF: 97.7/47

All: -567.368+/-117.575 χ^2/NDF: 151.6/98

- sign -320.982+/-167.206 χ^2/NDF: 49.6/50



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: 1239.170+/-0.266 χ^2/NDF: 5408525.5/27

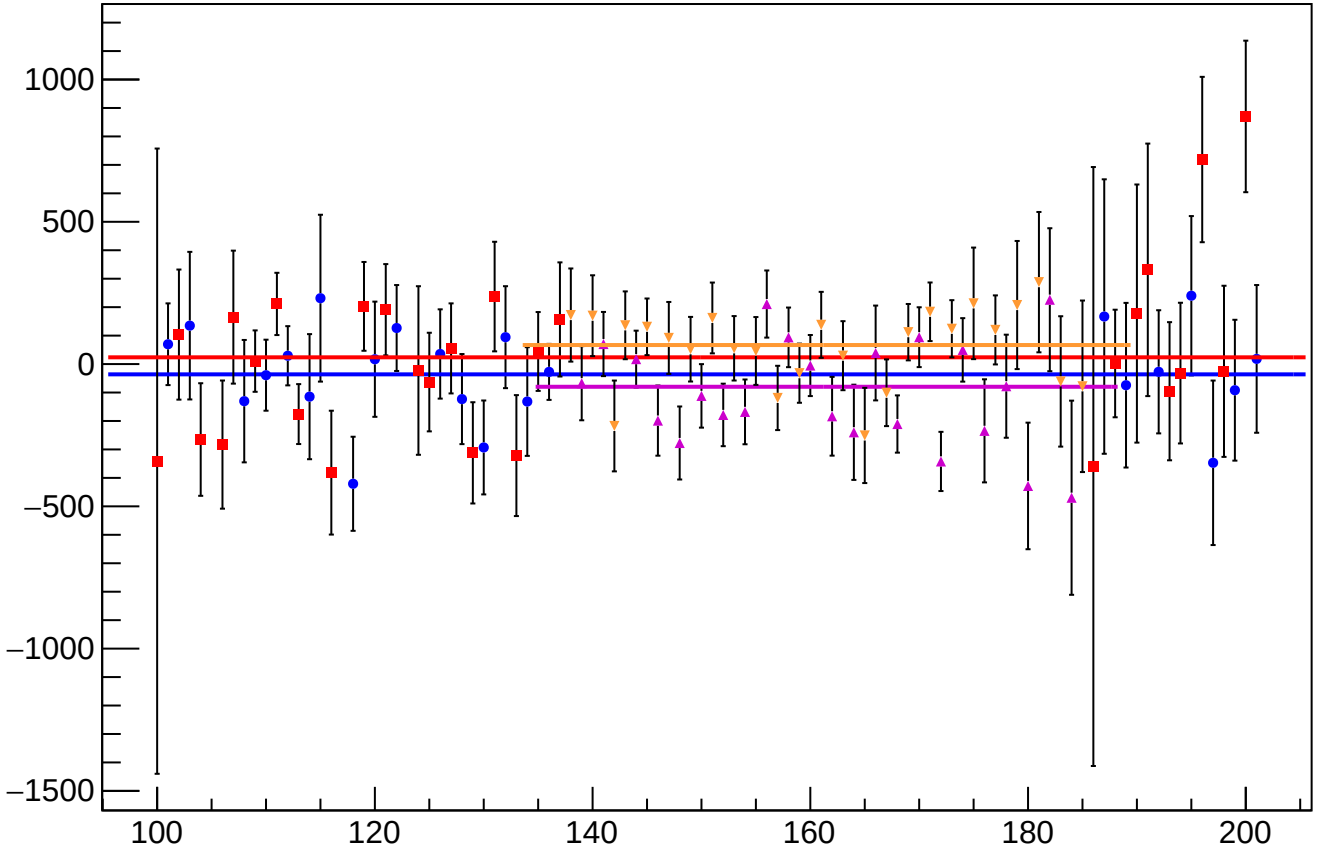
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 869.617+/-0.117 χ^2/NDF: 7666466.5/47

All: 871.915+/-0.083 χ^2/NDF: 16474027.9/98

- sign 874.264+/-0.118 χ^2/NDF: 8806780.3/50

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: 23.727+/-35.450 χ^2/NDF: 42.1/27

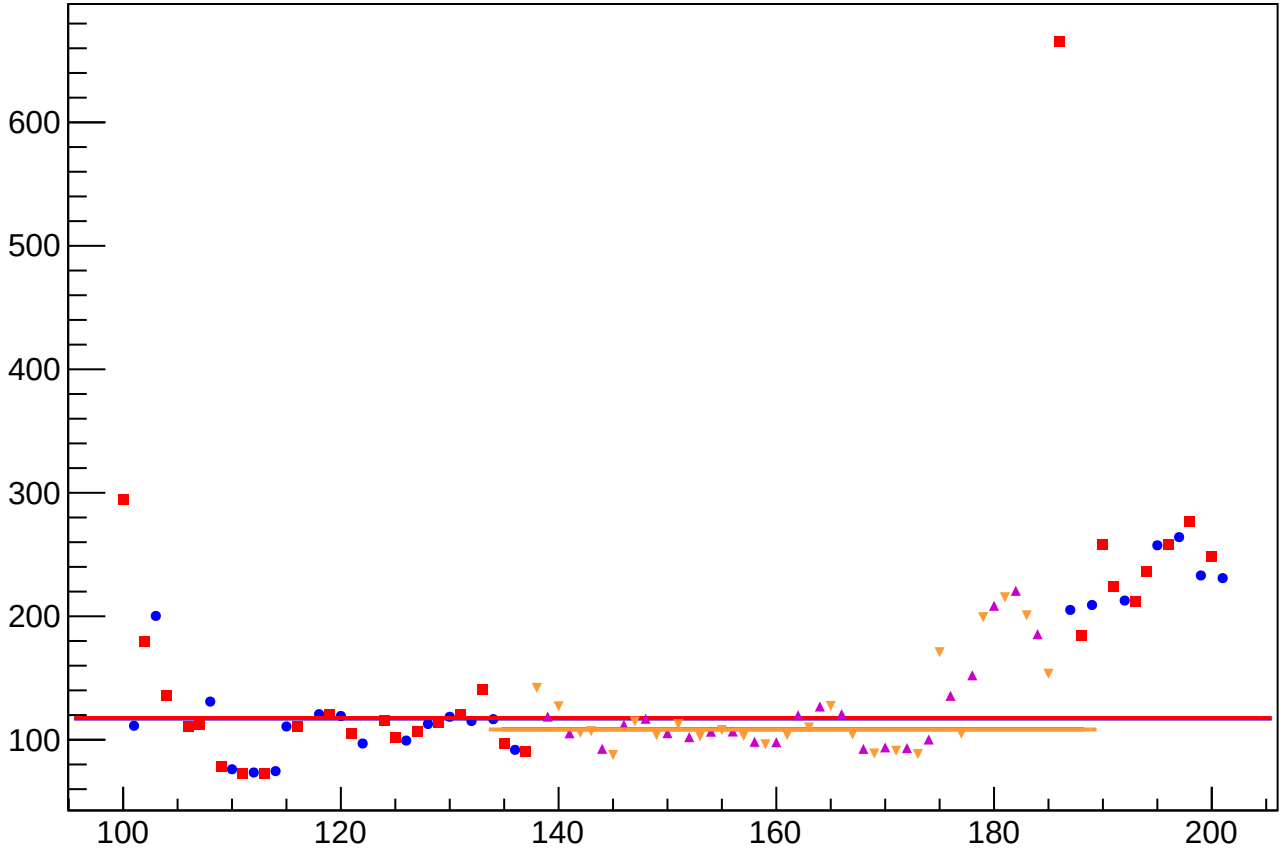
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 32.937+/-20.947 χ^2/NDF: 40.3/47

All: -4.730+/-14.873 χ^2/NDF: 131.3/98

- sign -43.028+/-21.121 χ^2/NDF: 84.5/50

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: 117.591+/-0.025 χ^2/NDF: 4695560.7/27

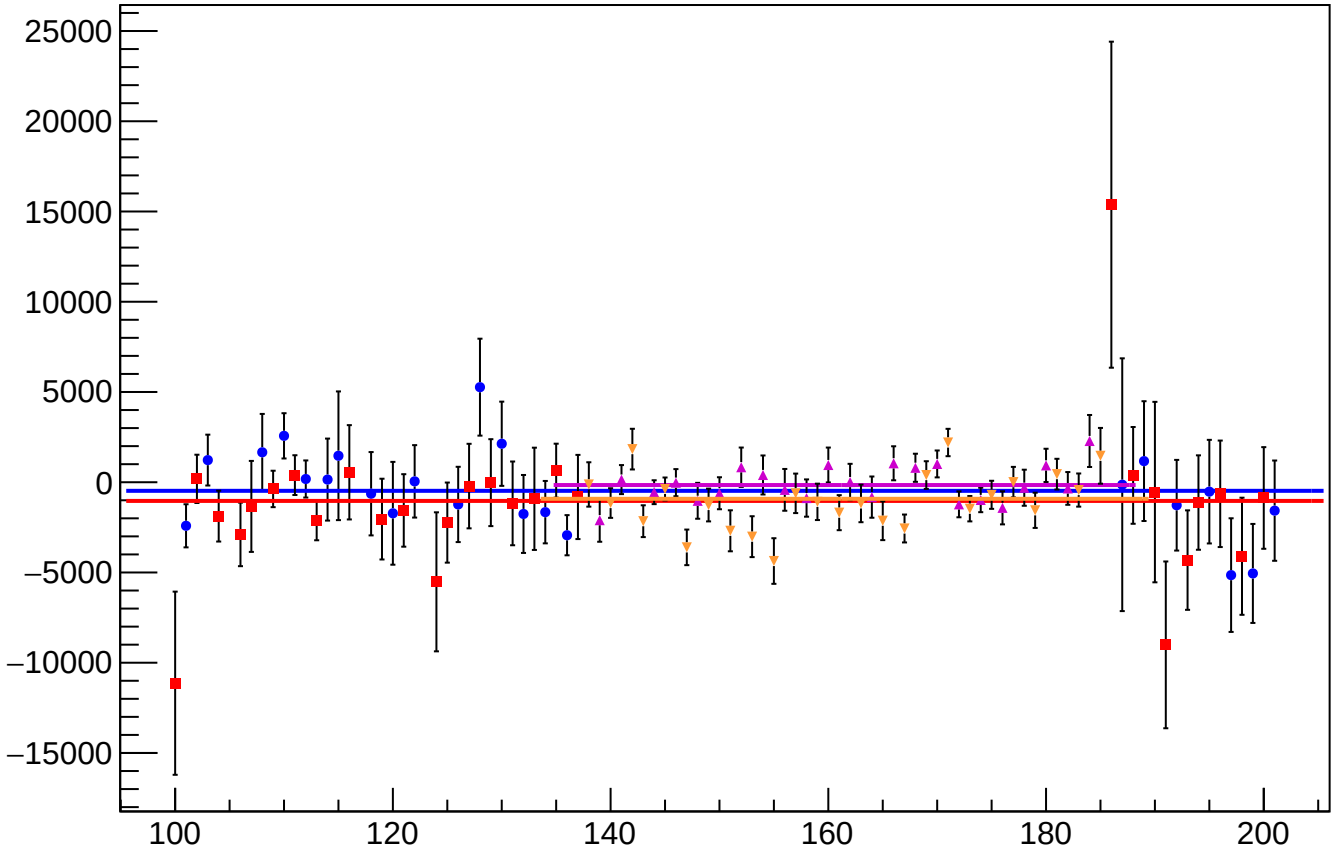
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 111.258+/-0.015 χ^2/NDF: 5413073.5/47

All: 111.488+/-0.011 χ^2/NDF: 11573497.5/98

- sign 111.722+/-0.015 χ^2/NDF: 6159936.2/50

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: -1035.121+/-372.122 χ^2/NDF: 22.1/27

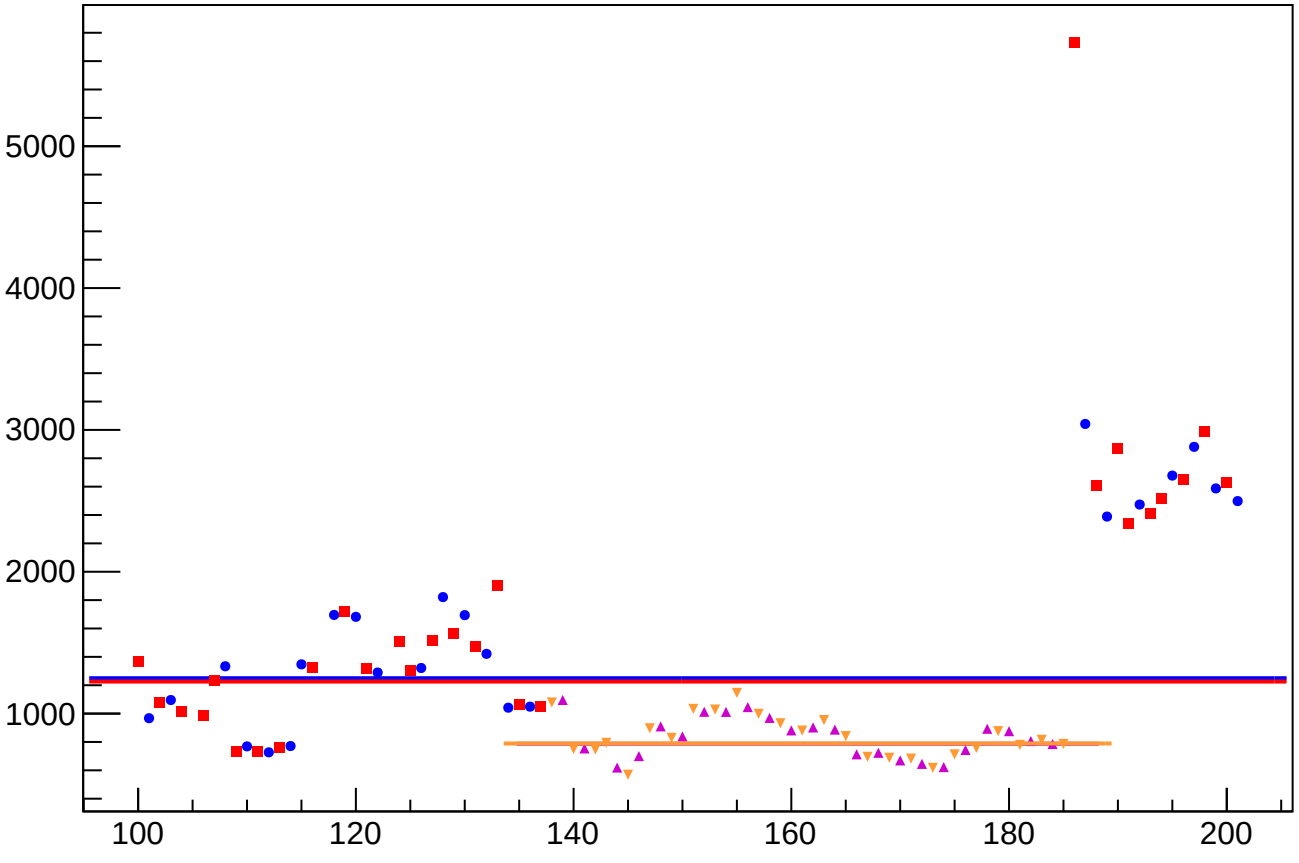
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -839.966+/-165.429 χ^2/NDF: 94.3/47

All: -589.297+/-117.587 χ^2/NDF: 148.6/98

- sign -333.319+/-167.172 χ^2/NDF: 49.6/50

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: 1225.852+/-0.263 χ^2/NDF: 5468682.6/27

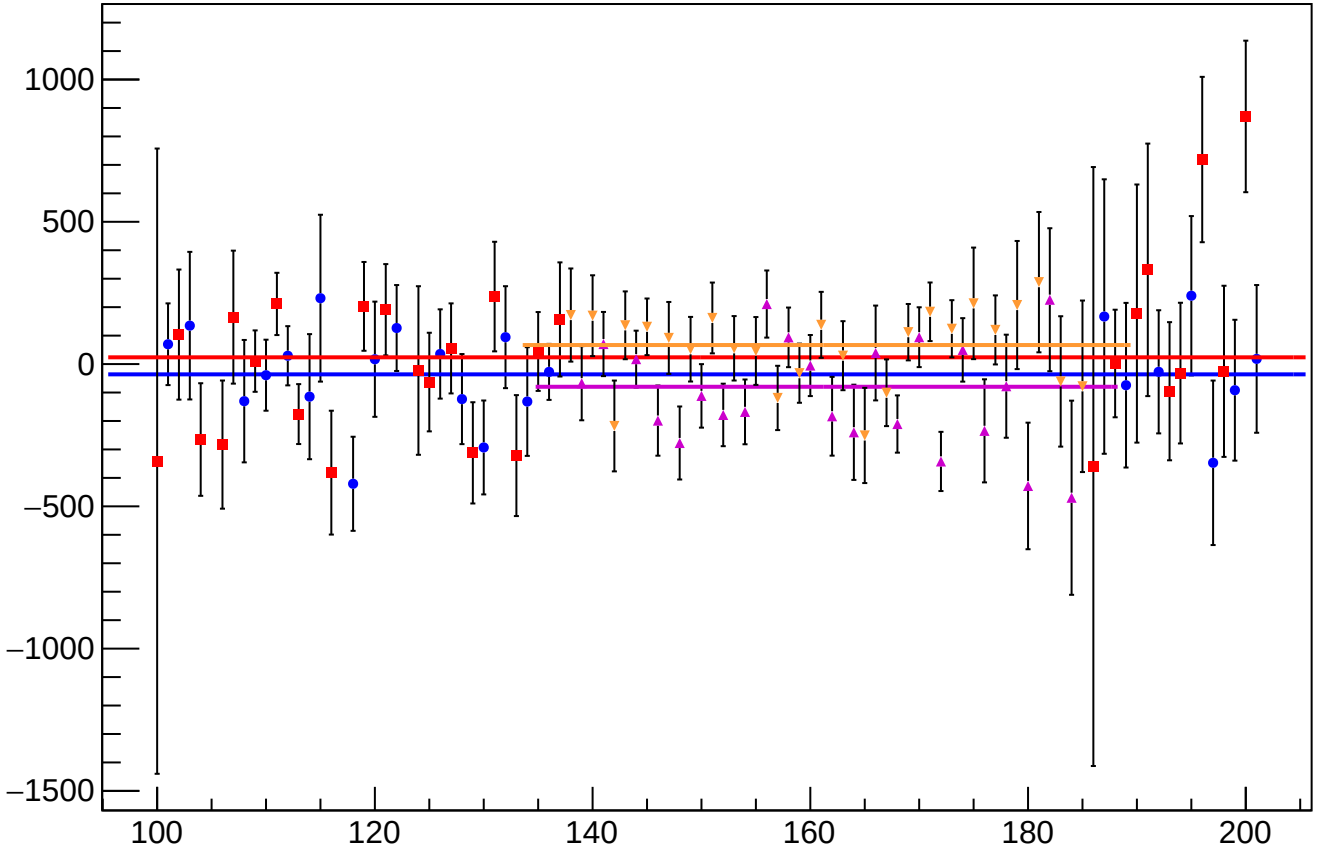
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

\+ sign 871.156+/-0.117 χ^2/NDF: 7628892.5/47

All: 873.492+/-0.083 χ^2/NDF: 16356063.2/98

\- sign 875.878+/-0.118 χ^2/NDF: 8726364.7/50

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: 23.729+/-35.450 χ^2/NDF: 42.1/27

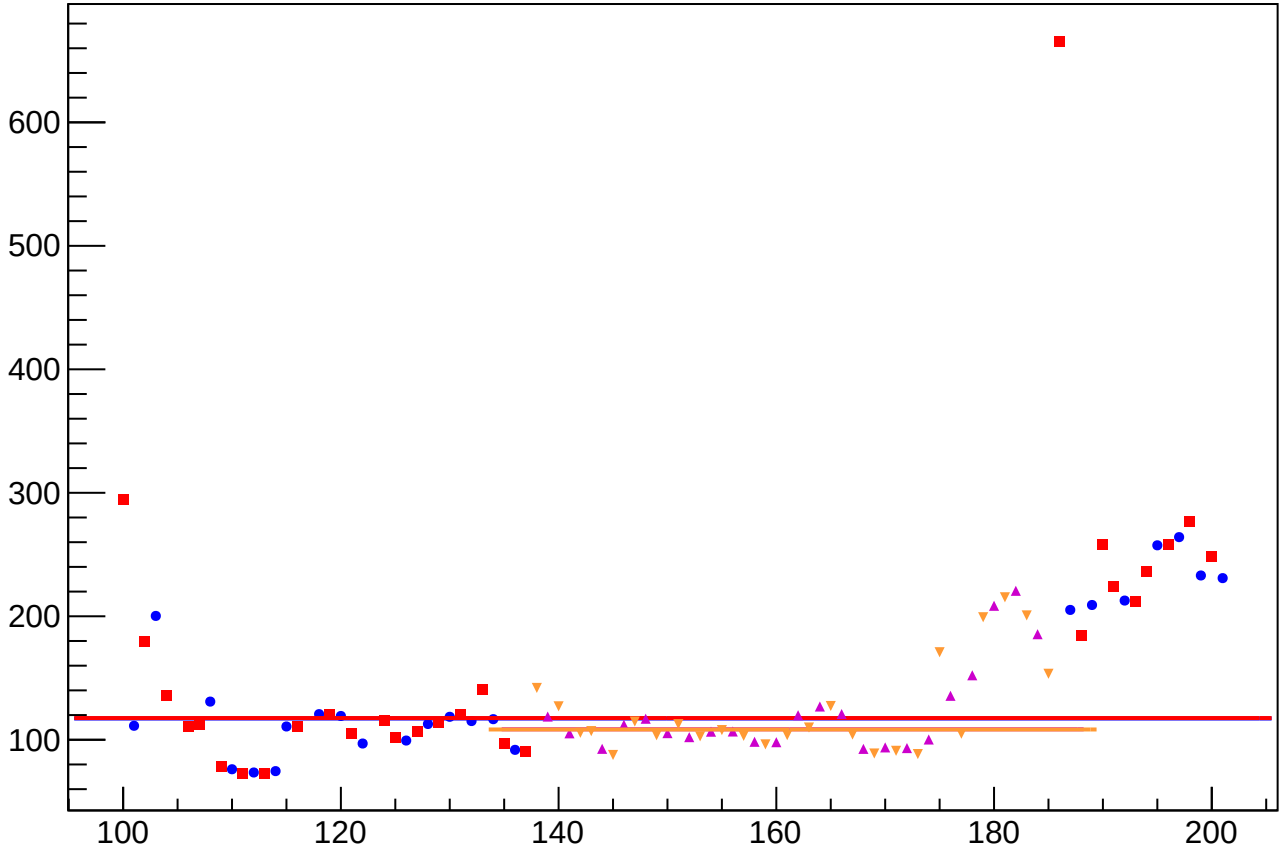
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 32.939+/-20.947 χ^2/NDF: 40.3/47

All: -4.729+/-14.873 χ^2/NDF: 131.3/98

- sign -43.027+/-21.121 χ^2/NDF: 84.5/50

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

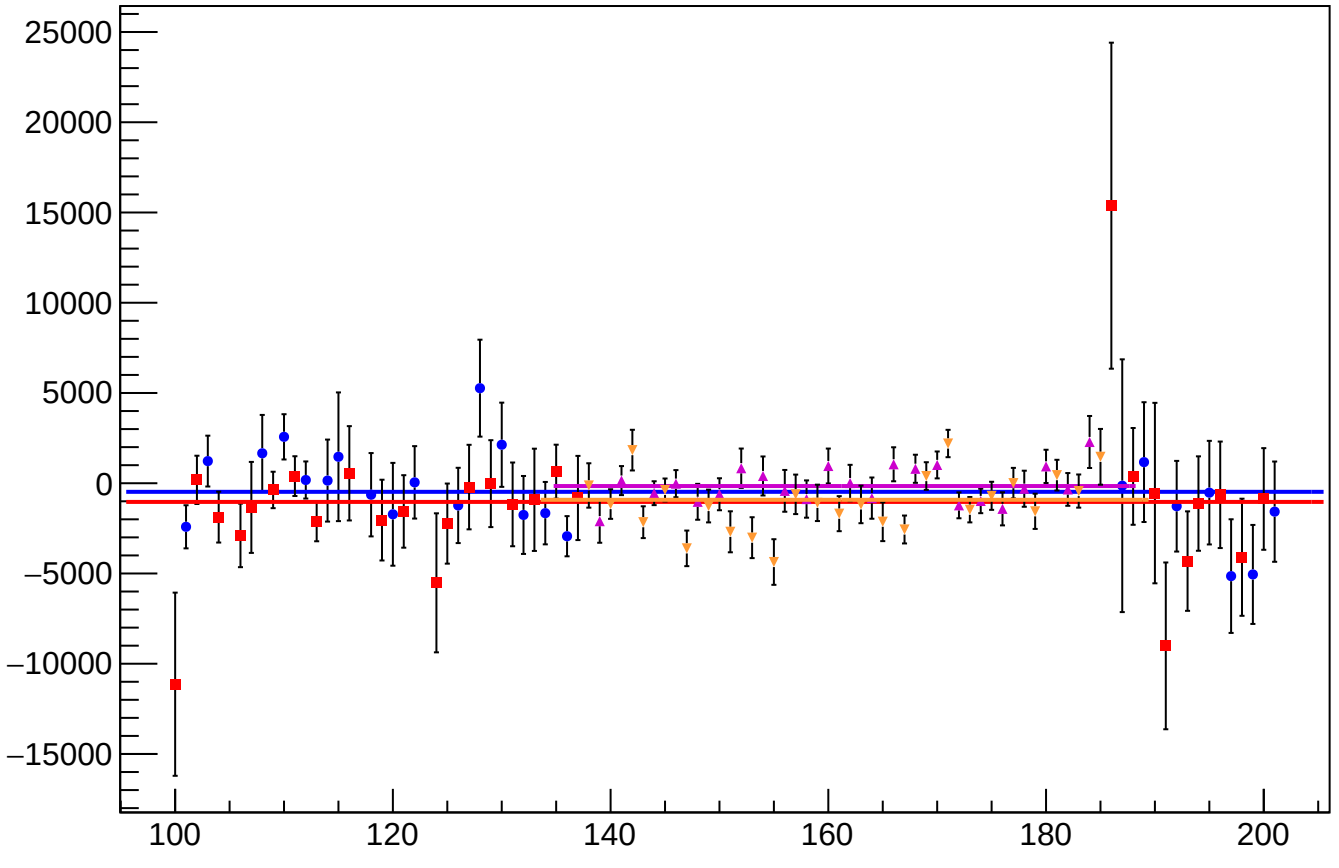
Right Out: 117.591+/-0.025 χ^2/NDF: 4695563.7/27

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 111.258+/-0.015 χ^2/NDF: 5413055.3/47

All: 111.488+/-0.011 χ^2/NDF: 11573460.3/98

- sign 111.722+/-0.015 χ^2/NDF: 6159917.2/50



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: -1035.119+/-372.122 χ^2/NDF: 22.1/27

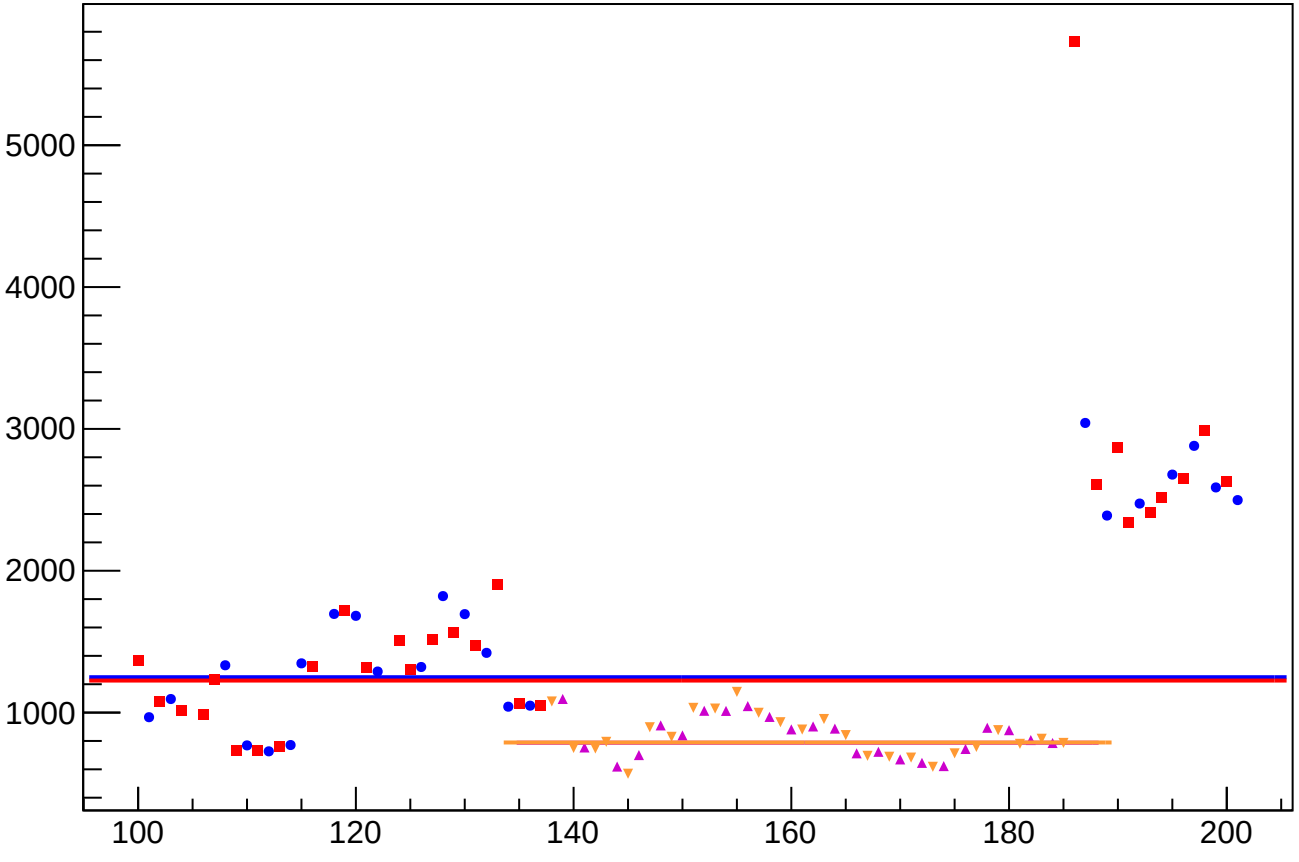
Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -839.965+/-165.429 χ^2/NDF: 94.3/47

All: -589.296+/-117.587 χ^2/NDF: 148.6/98

- sign -333.318+/-167.171 χ^2/NDF: 49.6/50

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug



Right In: 1249.442+/-0.277 χ^2/NDF: 4187712.8/22

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

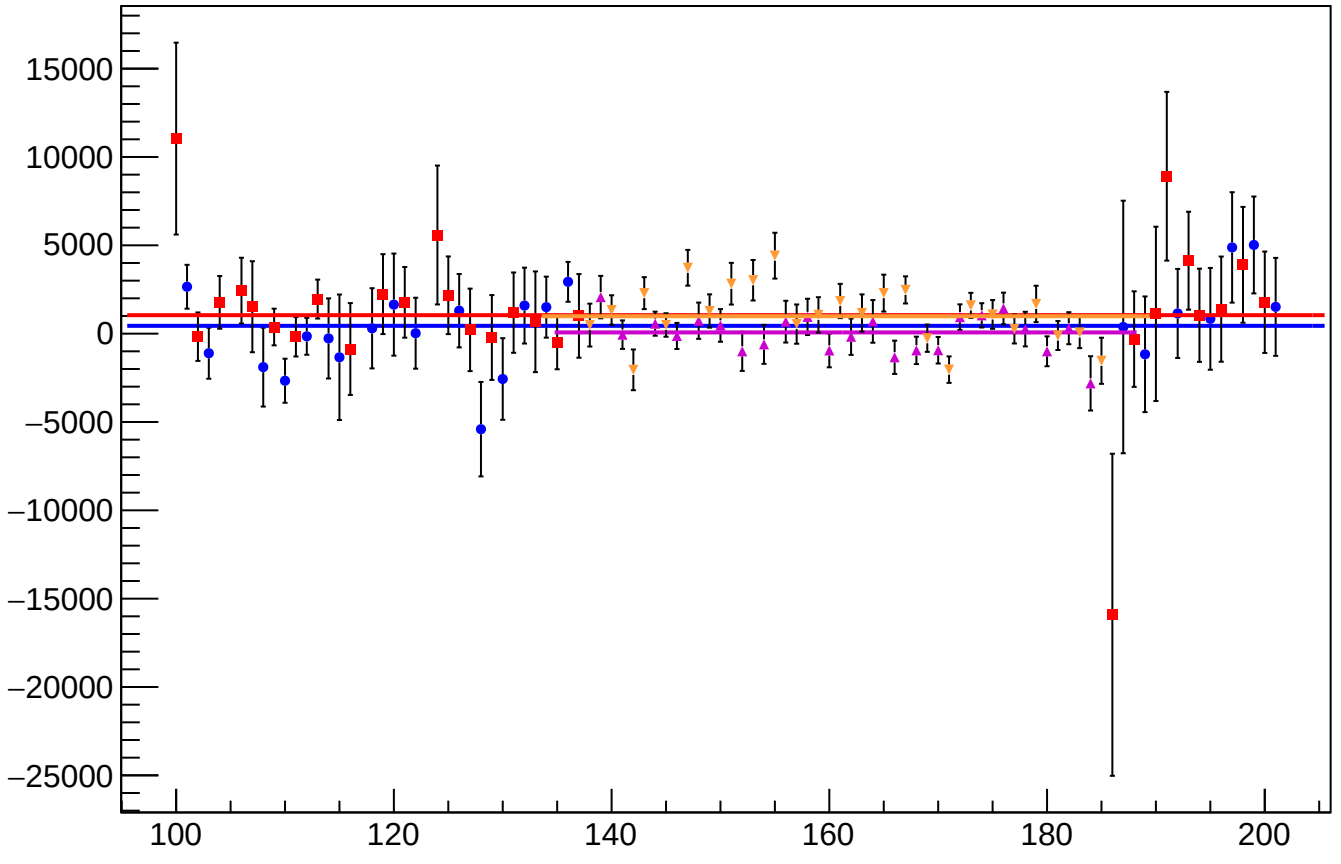
Right Out: 1225.850+/-0.263 χ^2/NDF: 5468686.2/27

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 871.155+/-0.117 χ^2/NDF: 7628902.4/47

All: 873.491+/-0.083 χ^2/NDF: 16356078.0/98

- sign 875.876+/-0.118 χ^2/NDF: 8726369.5/50



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: 1045.855+/-378.256 χ^2/NDF: 19.8/27

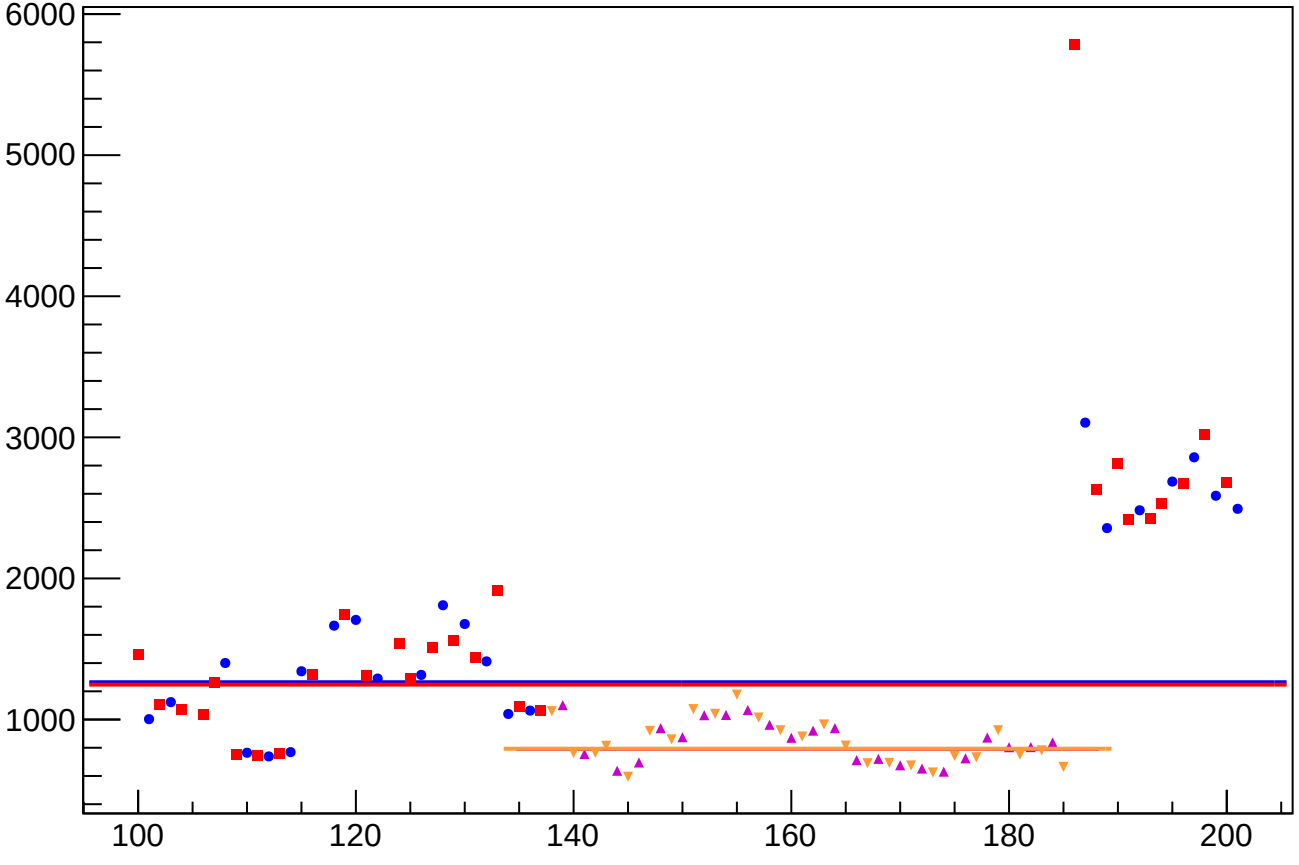
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 889.615+/-166.571 χ^2/NDF: 95.3/47

All: 579.906+/-118.417 χ^2/NDF: 151.8/98

- sign 263.440+/-168.378 χ^2/NDF: 49.5/50

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: 1247.470+/-0.267 χ^2/NDF: 5381626.3/27

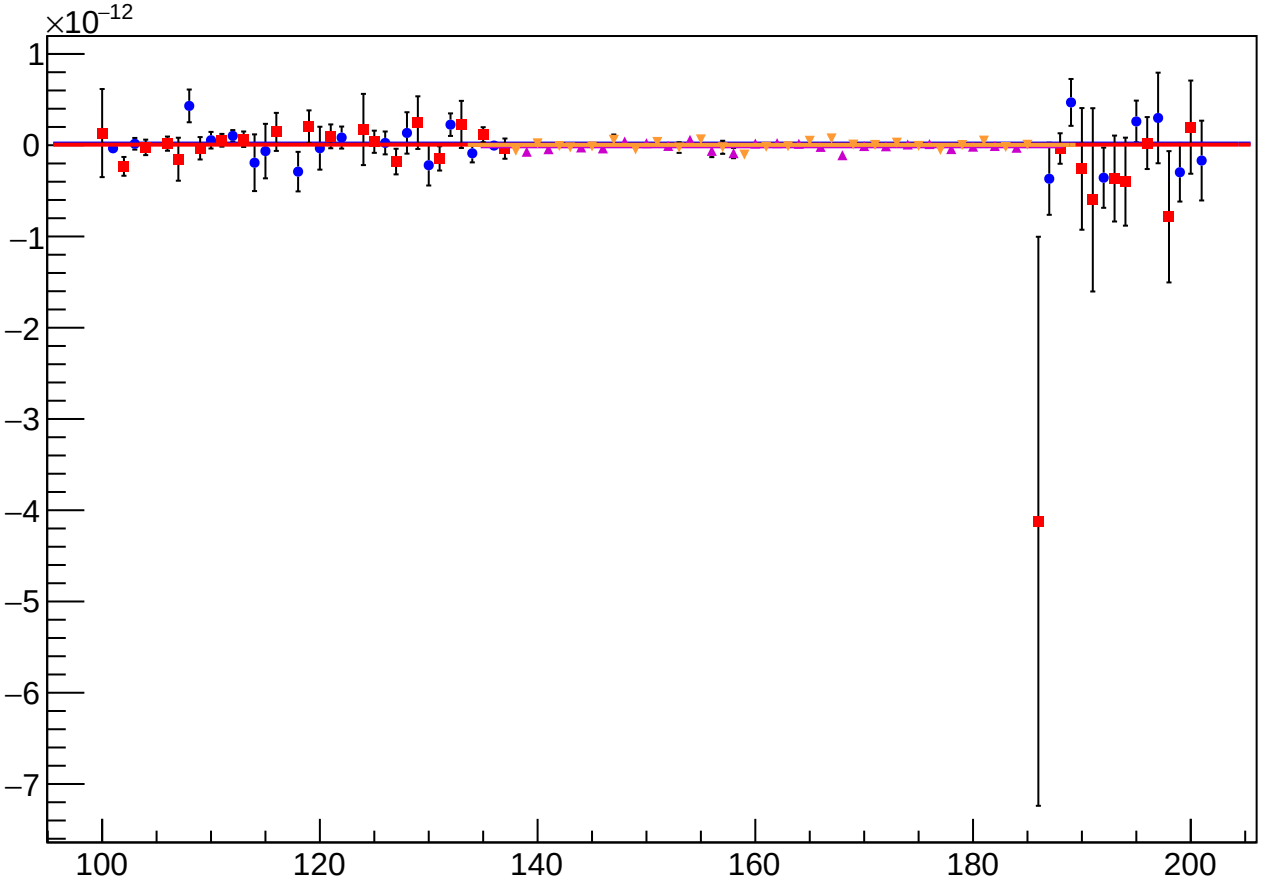
Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 876.385+/-0.118 χ^2/NDF: 7615795.4/47

All: 878.952+/-0.084 χ^2/NDF: 16381373.2/98

- sign 881.576+/-0.119 χ^2/NDF: 8764617.2/50

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

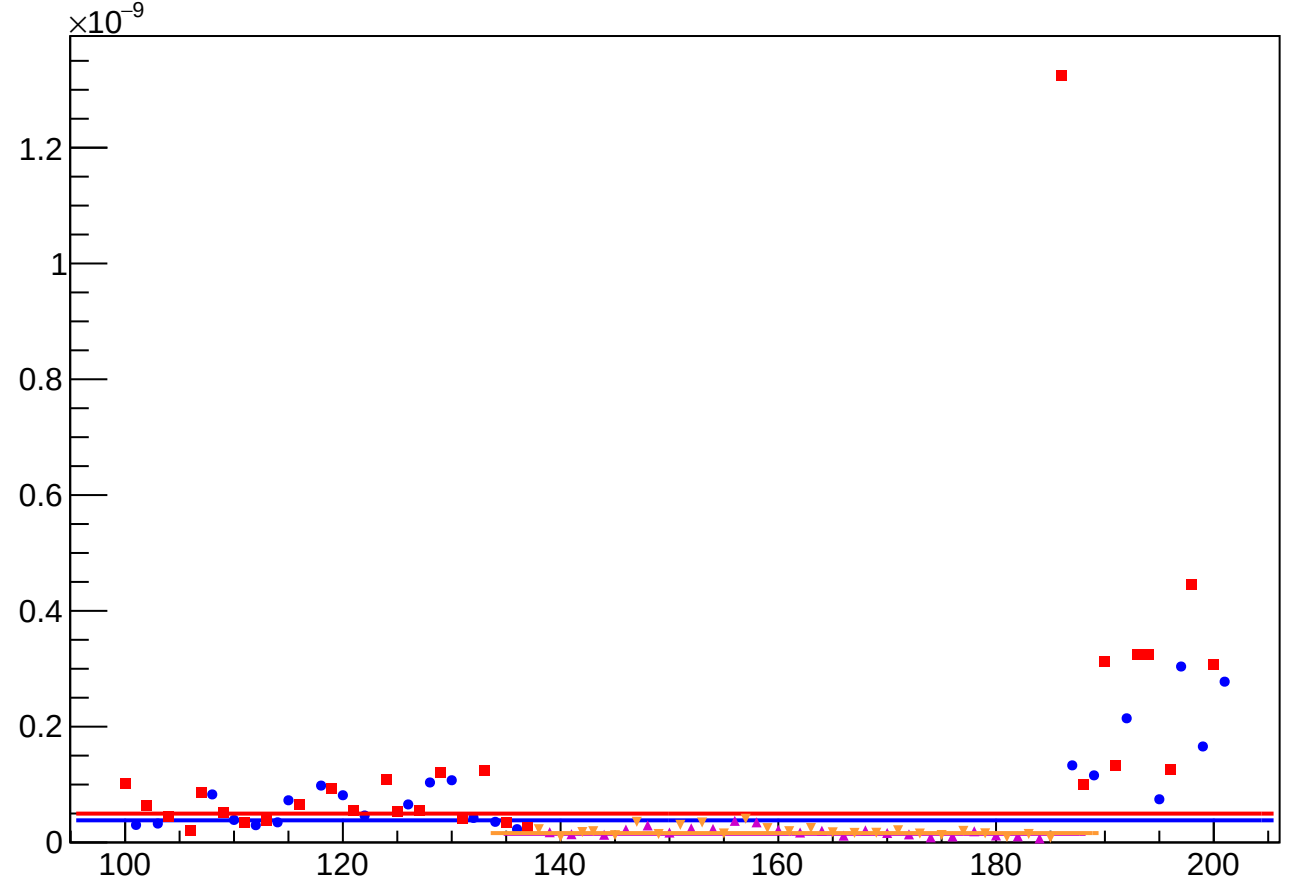
Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/27

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: 109.1/98

- sign -0.000+/-0.000 χ^2/NDF: 46.6/50



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: 4584447.2/27

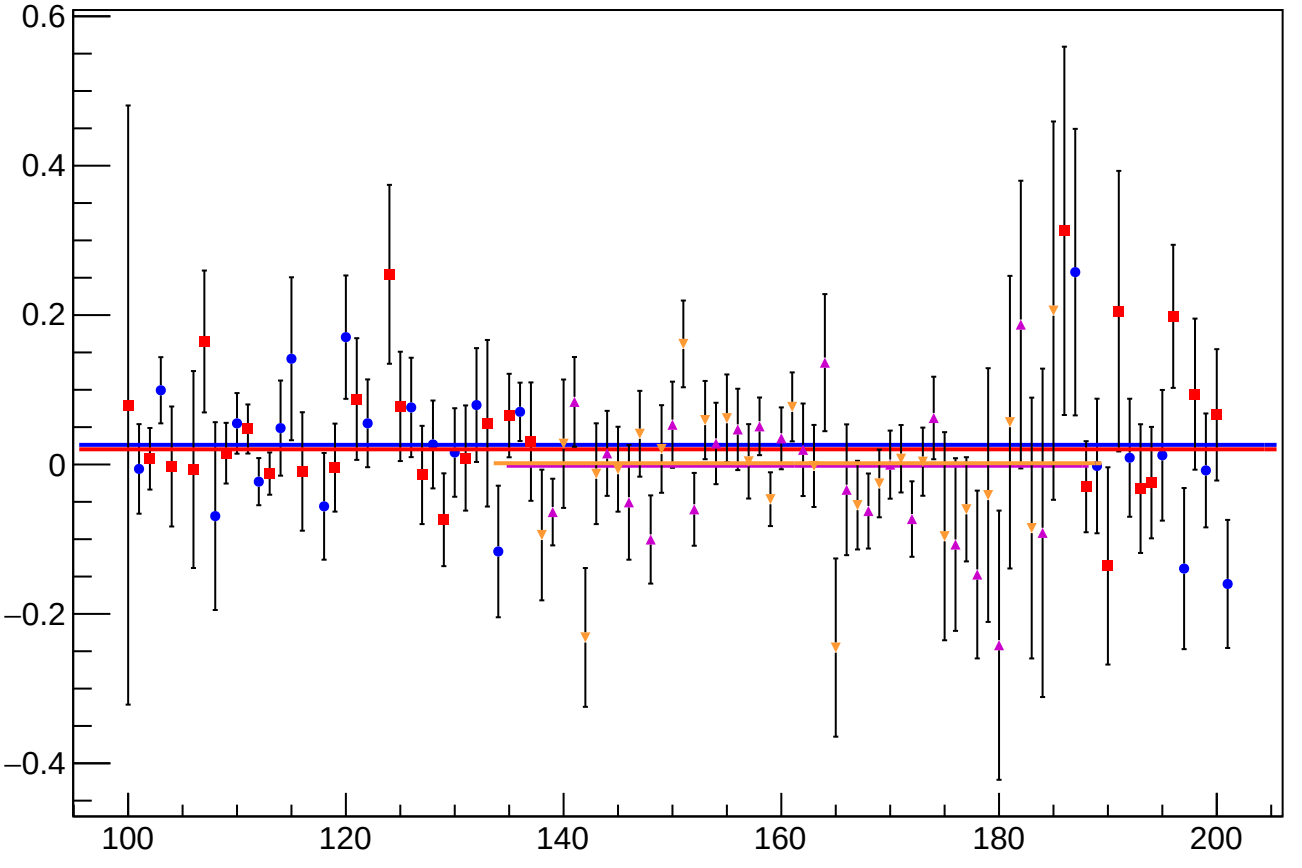
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7308410.0/47

All: 0.000+/-0.000 χ^2/NDF: 16931874.9/98

- sign 0.000+/-0.000 χ^2/NDF: 9586036.7/50

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: 22.8/27

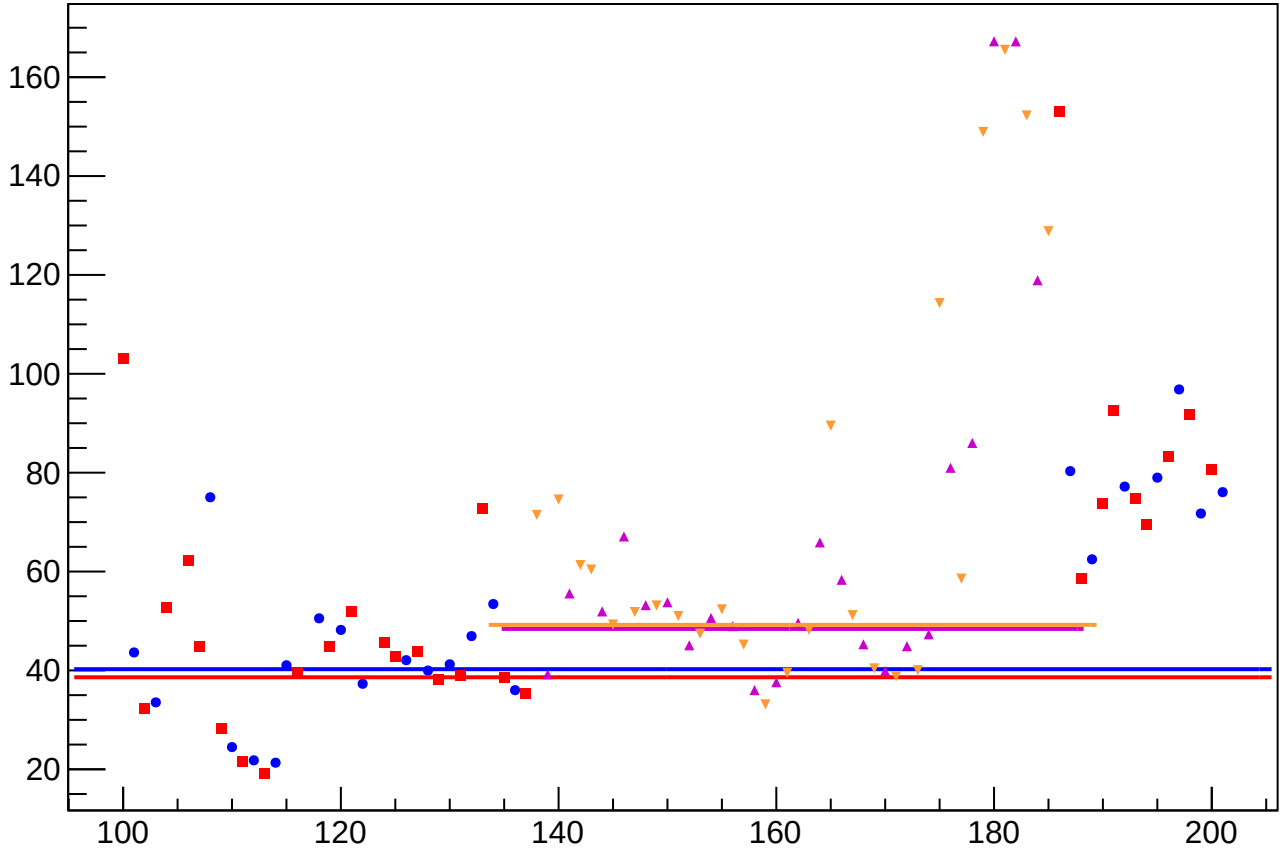
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 58.6/47

All: 0.011+/-0.006 χ^2/NDF: 109.2/98

- sign 0.010+/-0.009 χ^2/NDF: 50.5/50

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

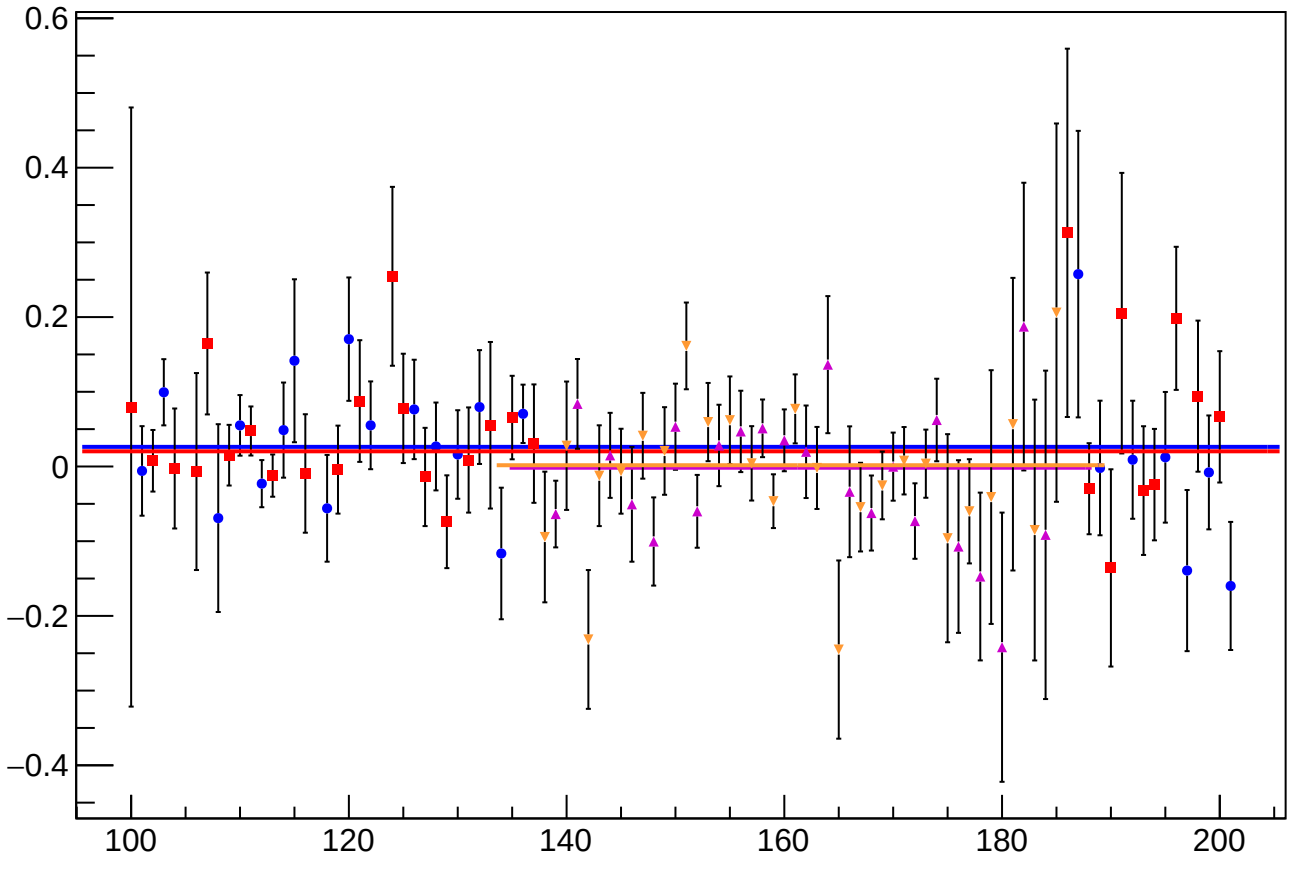
Right Out: 38.616+/-0.009 χ^2/NDF: 5233302.7/27

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 44.944+/-0.006 χ^2/NDF: 8475260.6/47

All: 44.148+/-0.004 χ^2/NDF: 17411268.2/98

- sign 43.396+/-0.006 χ^2/NDF: 8904899.1/50



Right In: 0.026+/-0.013 χ^2/NDF: 26.3/22

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

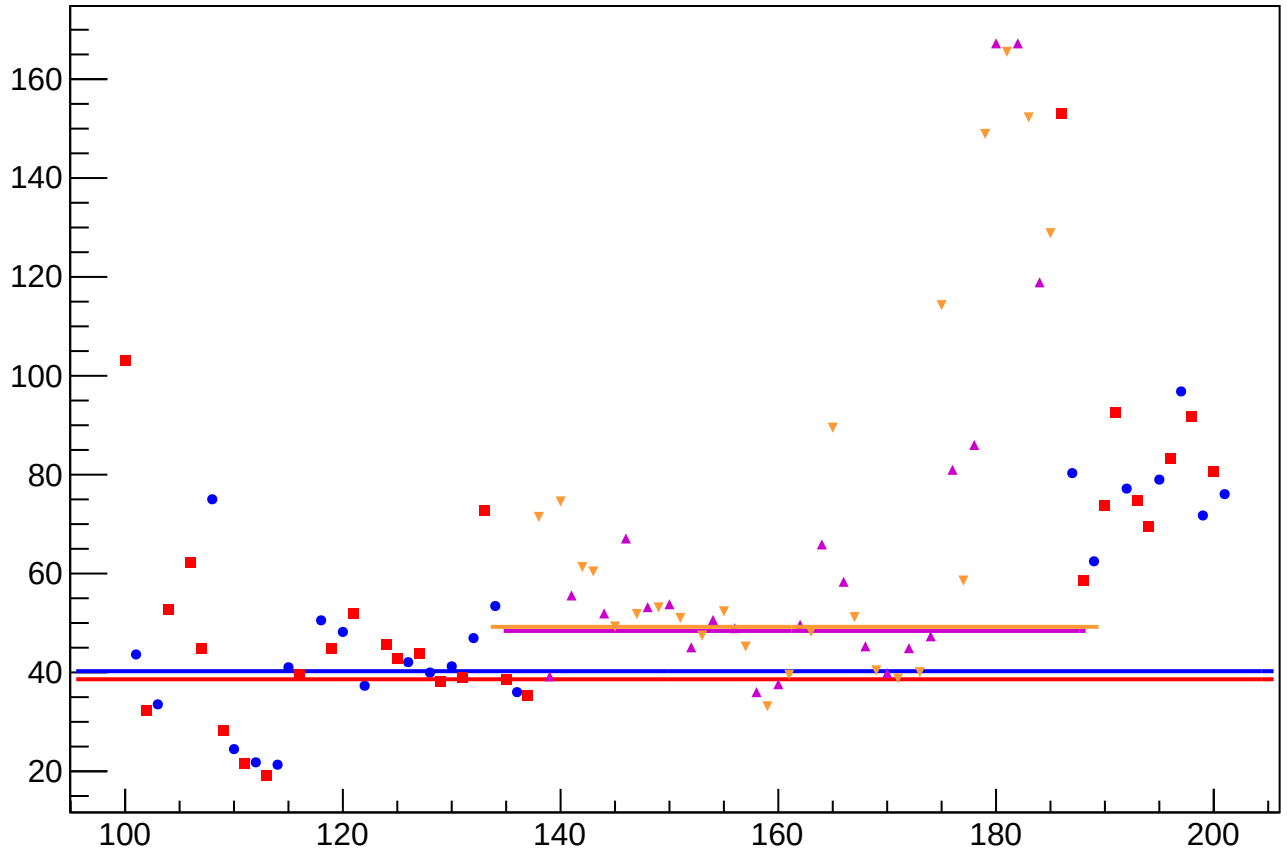
Right Out: 0.020+/-0.012 χ^2/NDF: 22.8/27

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: 109.2/98

- sign 0.010+/-0.009 χ^2/NDF: 50.5/50



Right In: 40.250+/-0.009 χ^2/NDF: 3796998.3/22

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

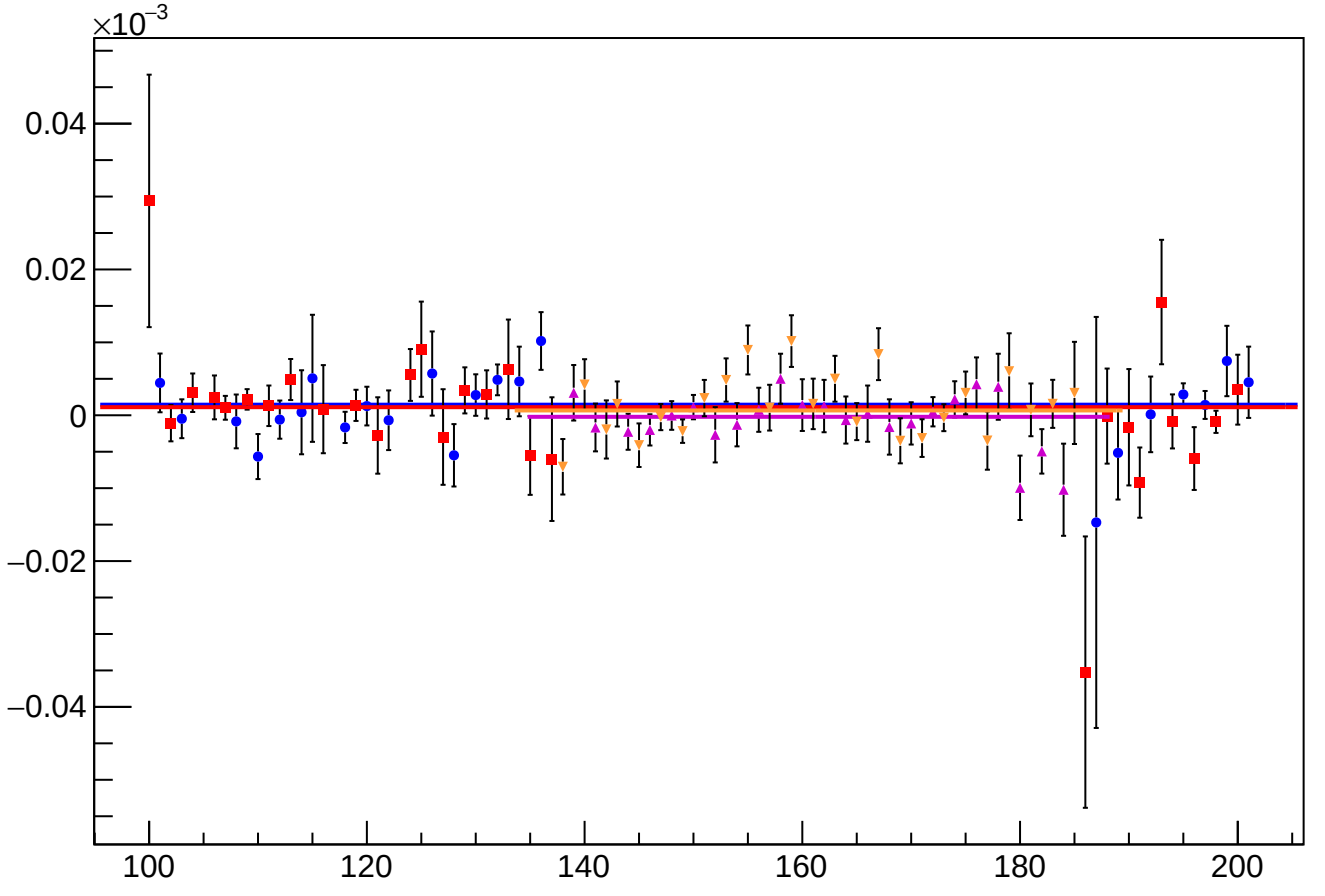
Right Out: 38.616+/-0.009 χ^2/NDF: 5233302.7/27

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 44.944+/-0.006 χ^2/NDF: 8475260.6/47

All: 44.148+/-0.004 χ^2/NDF: 17411268.2/98

- sign 43.396+/-0.006 χ^2/NDF: 8904899.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

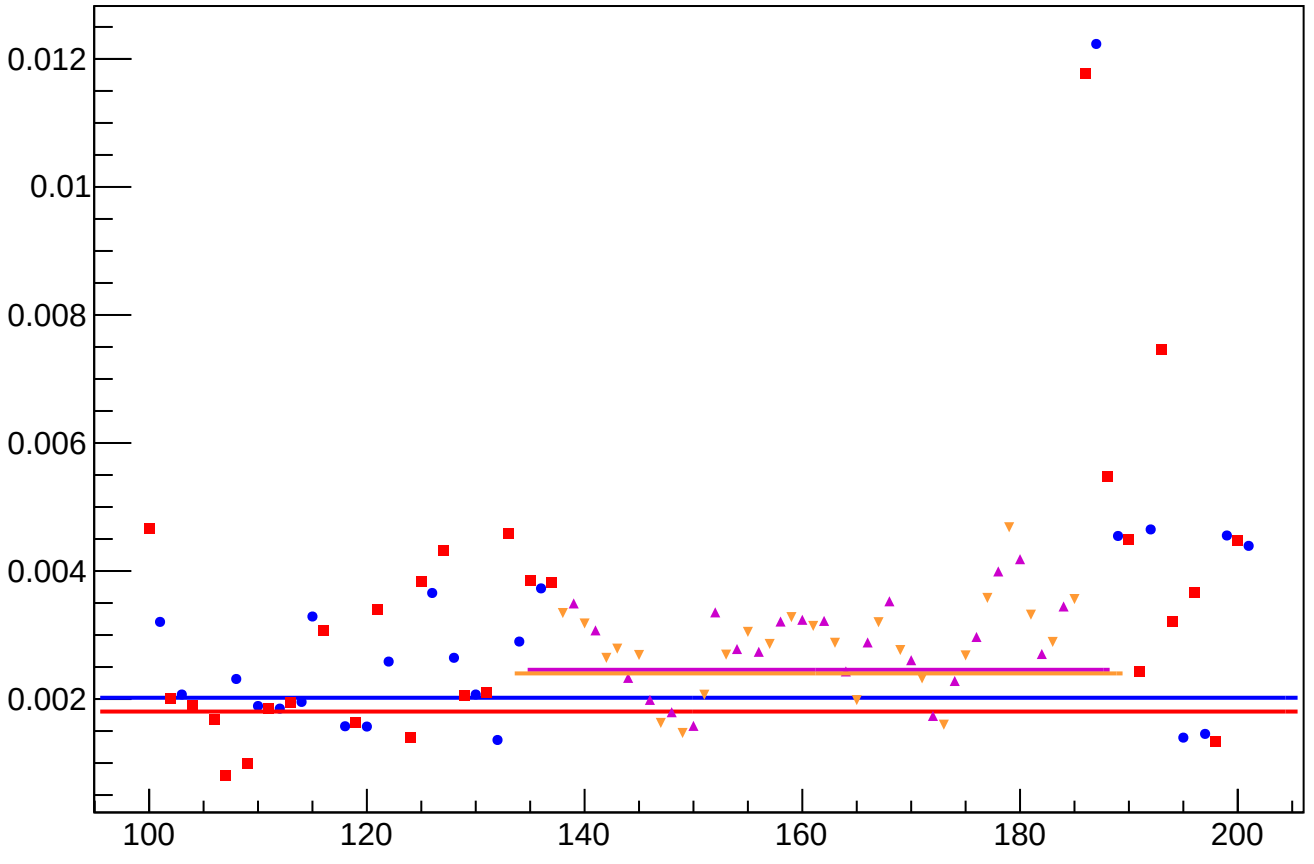
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/27

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: 121.7/98

- sign 0.000+/-0.000 χ^2/NDF: 52.8/50



Right In: 0.002+/-0.000 χ^2/NDF: 3880284.1/22

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

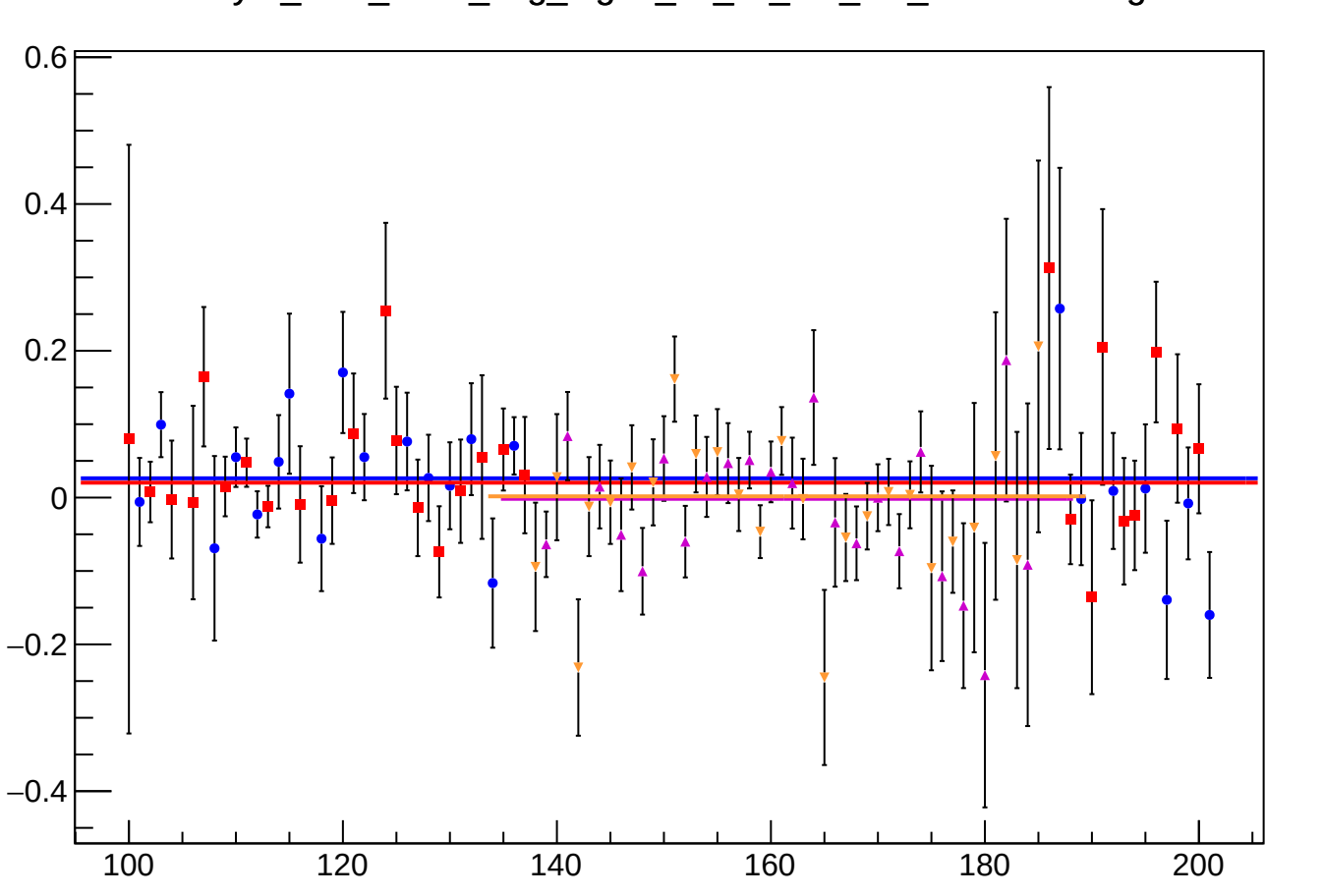
Right Out: 0.002+/-0.000 χ^2/NDF: 6878012.9/27

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: 18178437.7/98

- sign 0.002+/-0.000 χ^2/NDF: 10718130.3/50



Right In: 0.026+/-0.013 χ^2/NDF: 26.3/22

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

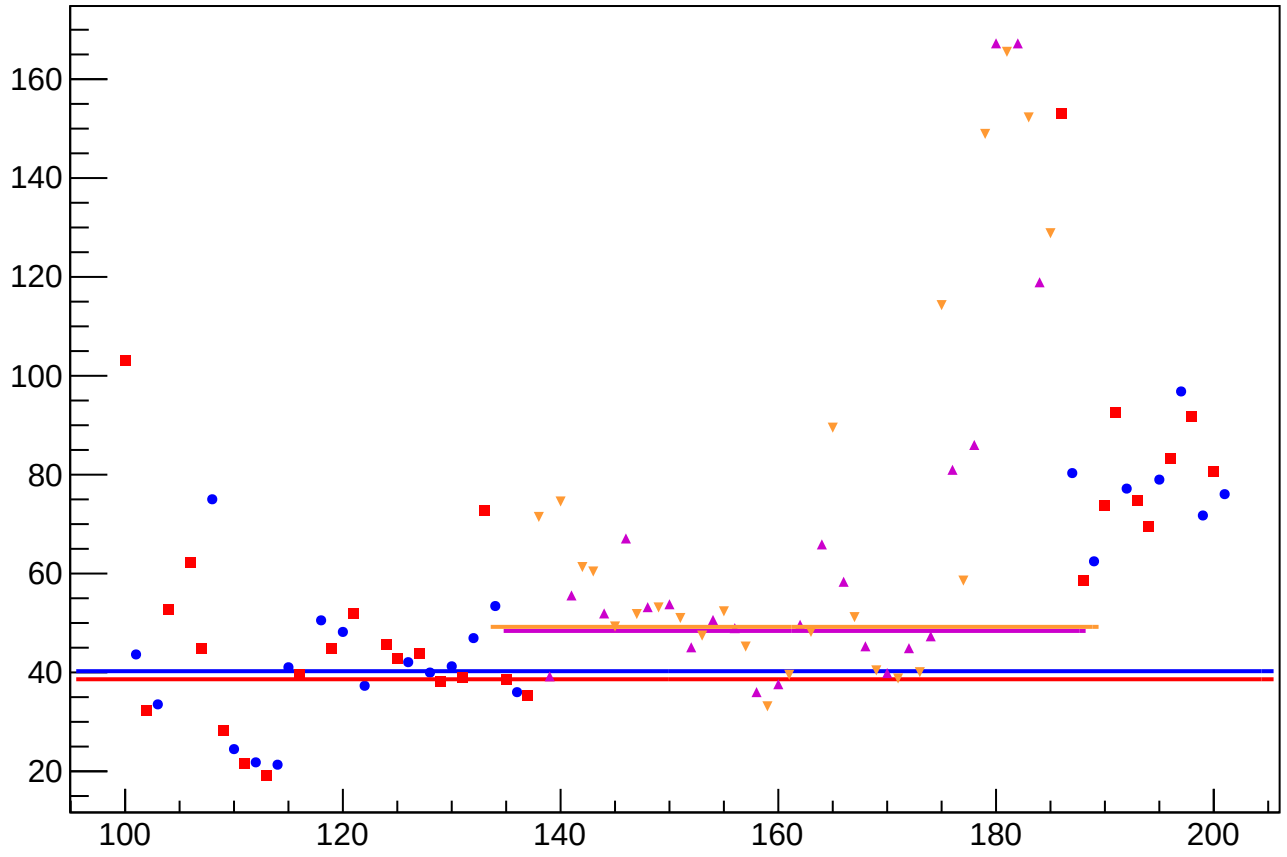
Right Out: 0.020+/-0.012 χ^2/NDF: 22.8/27

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: 109.2/98

- sign 0.010+/-0.009 χ^2/NDF: 50.5/50



Right In: 40.250+/-0.009 χ^2/NDF: 3796892.5/22

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

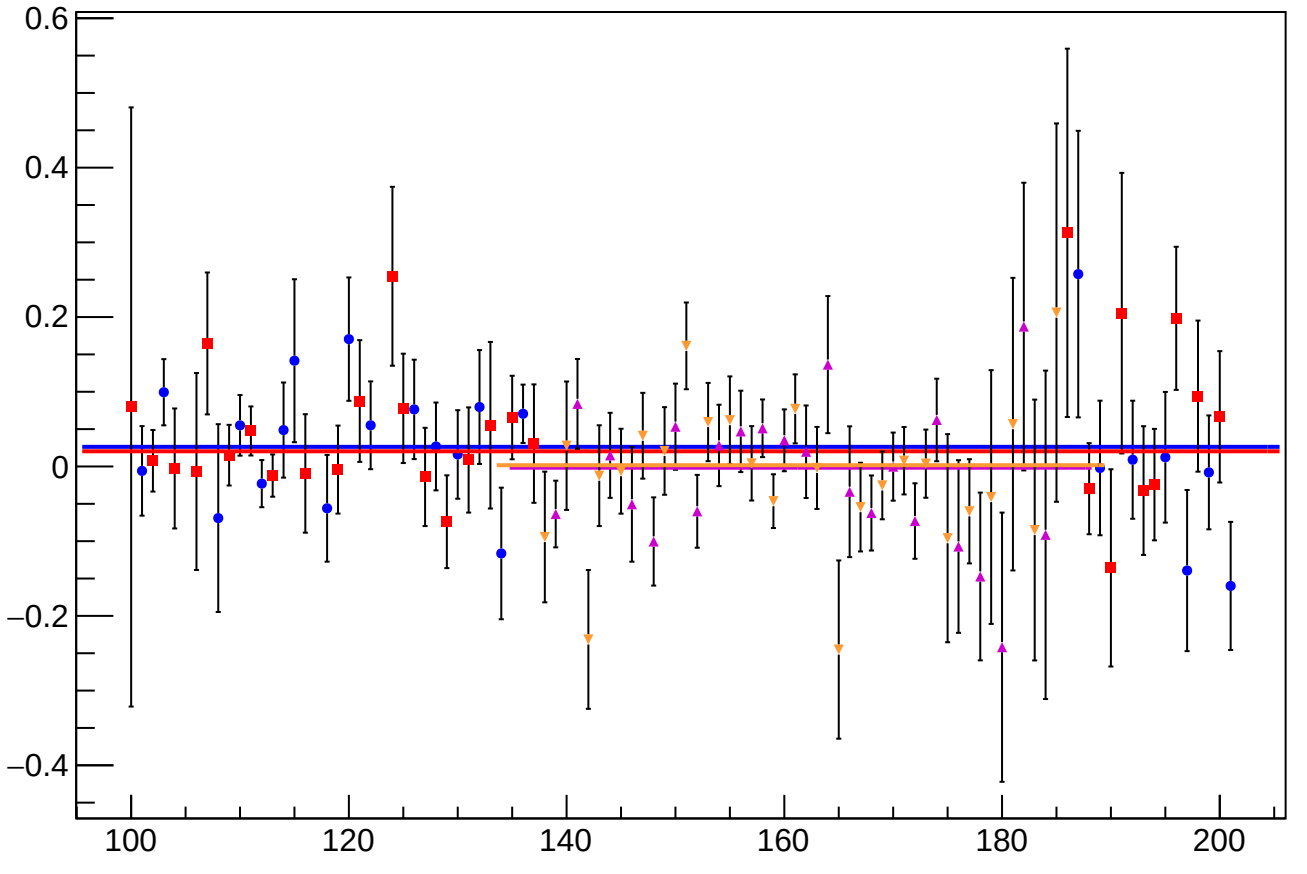
Right Out: 38.616+/-0.009 χ^2/NDF: 5233254.5/27

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 44.945+/-0.006 χ^2/NDF: 8475140.3/47

All: 44.149+/-0.004 χ^2/NDF: 17411063.9/98

- sign 43.397+/-0.006 χ^2/NDF: 8904817.5/50



Right In: 0.026+/-0.013 χ^2/NDF: 26.3/22

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

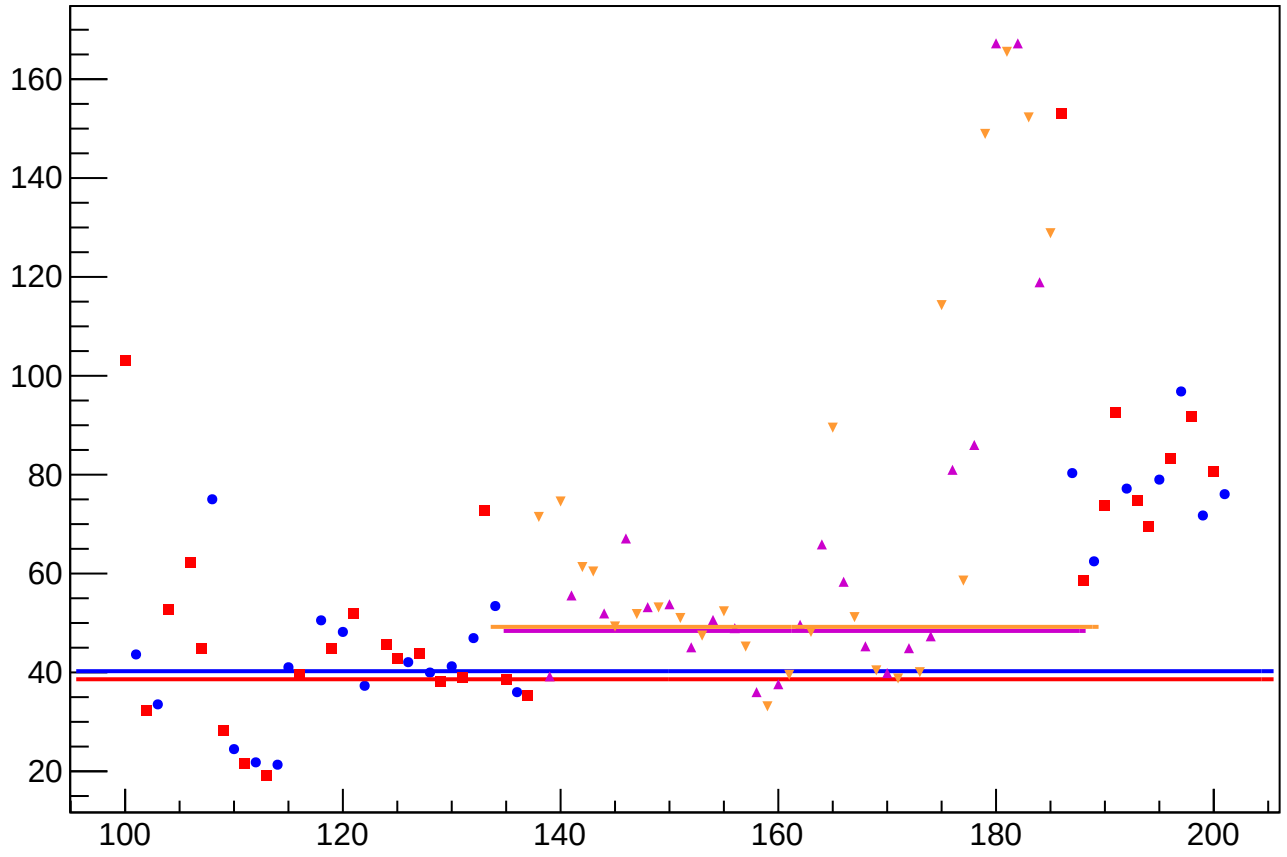
Right Out: 0.020+/-0.012 χ^2/NDF: 22.8/27

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: 109.2/98

- sign 0.010+/-0.009 χ^2/NDF: 50.5/50



Right In: 40.250+/-0.009 χ^2/NDF: 3796892.5/22

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

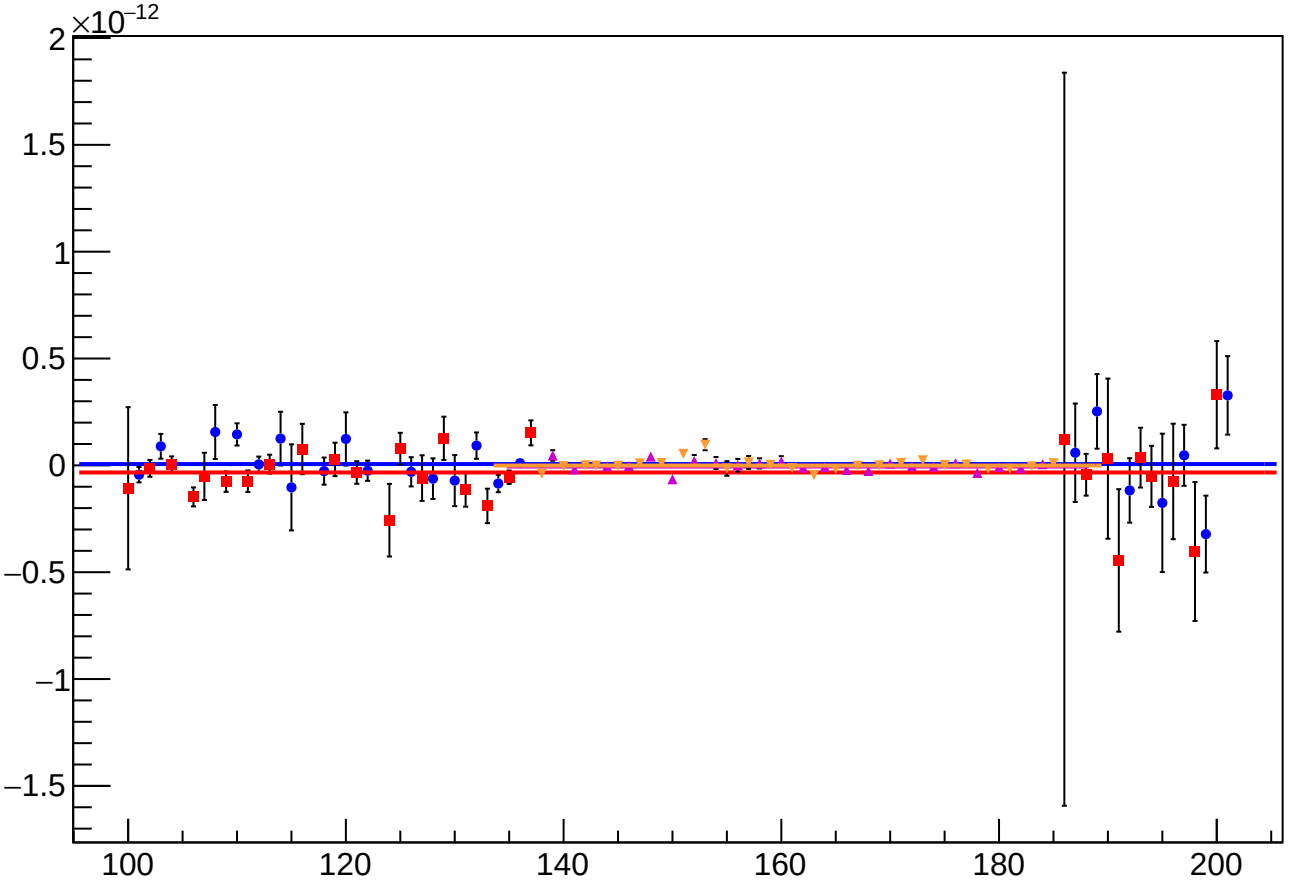
Right Out: 38.616+/-0.009 χ^2/NDF: 5233254.5/27

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 44.945+/-0.006 χ^2/NDF: 8475140.3/47

All: 44.149+/-0.004 χ^2/NDF: 17411063.9/98

- sign 43.397+/-0.006 χ^2/NDF: 8904817.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

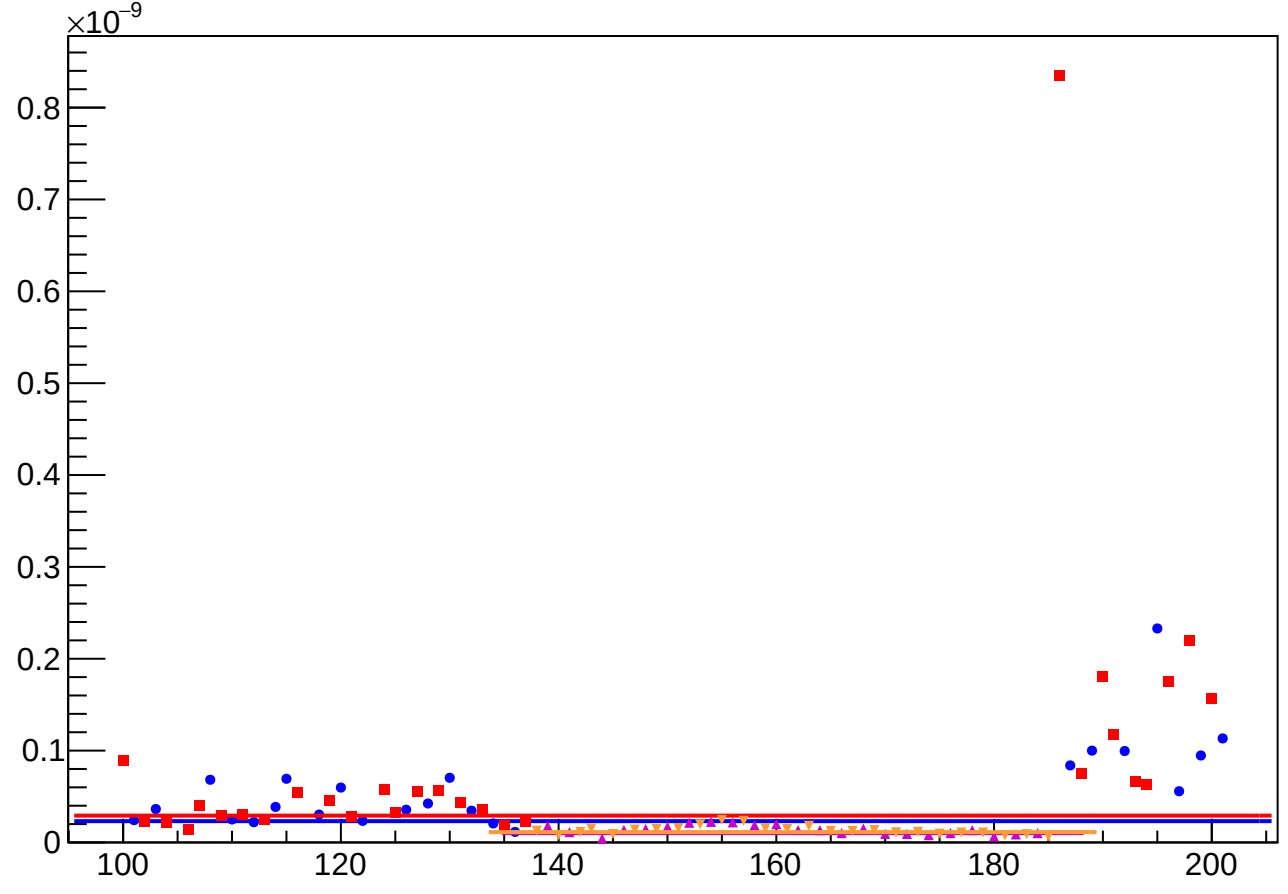
Right Out: -0.000+/-0.000 χ^2/NDF: 38.7/27

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: 144.4/98

- sign -0.000+/-0.000 χ^2/NDF: 71.6/50



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: 4690000.6/27

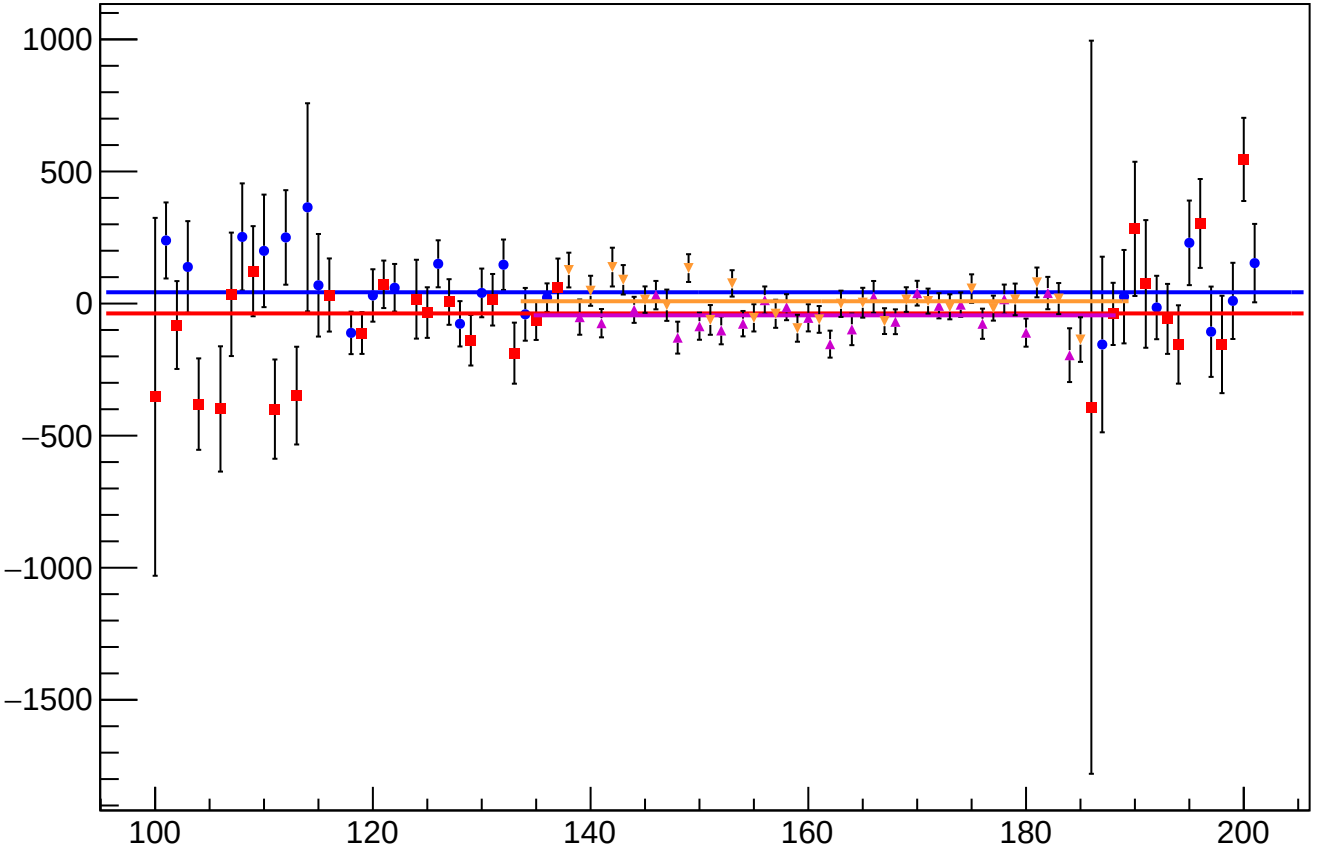
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9188156.9/47

All: 0.000+/-0.000 χ^2/NDF: 22202431.7/98

- sign 0.000+/-0.000 χ^2/NDF: 12919245.4/50

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: -37.338+/-24.286 χ^2/NDF: 41.9/27

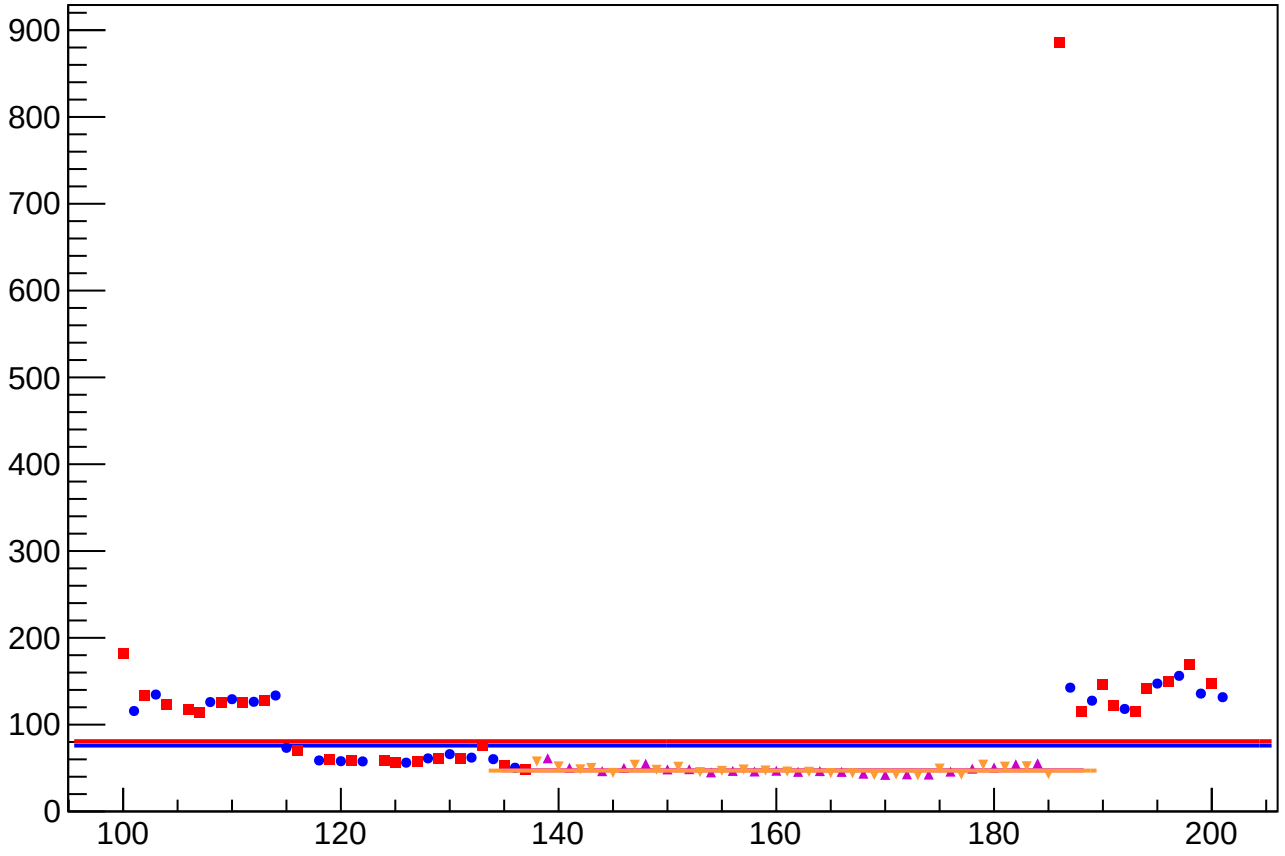
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 14.582+/-9.804 χ^2/NDF: 54.6/47

All: -13.401+/-7.046 χ^2/NDF: 140.4/98

- sign -43.288+/-10.132 χ^2/NDF: 69.0/50

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

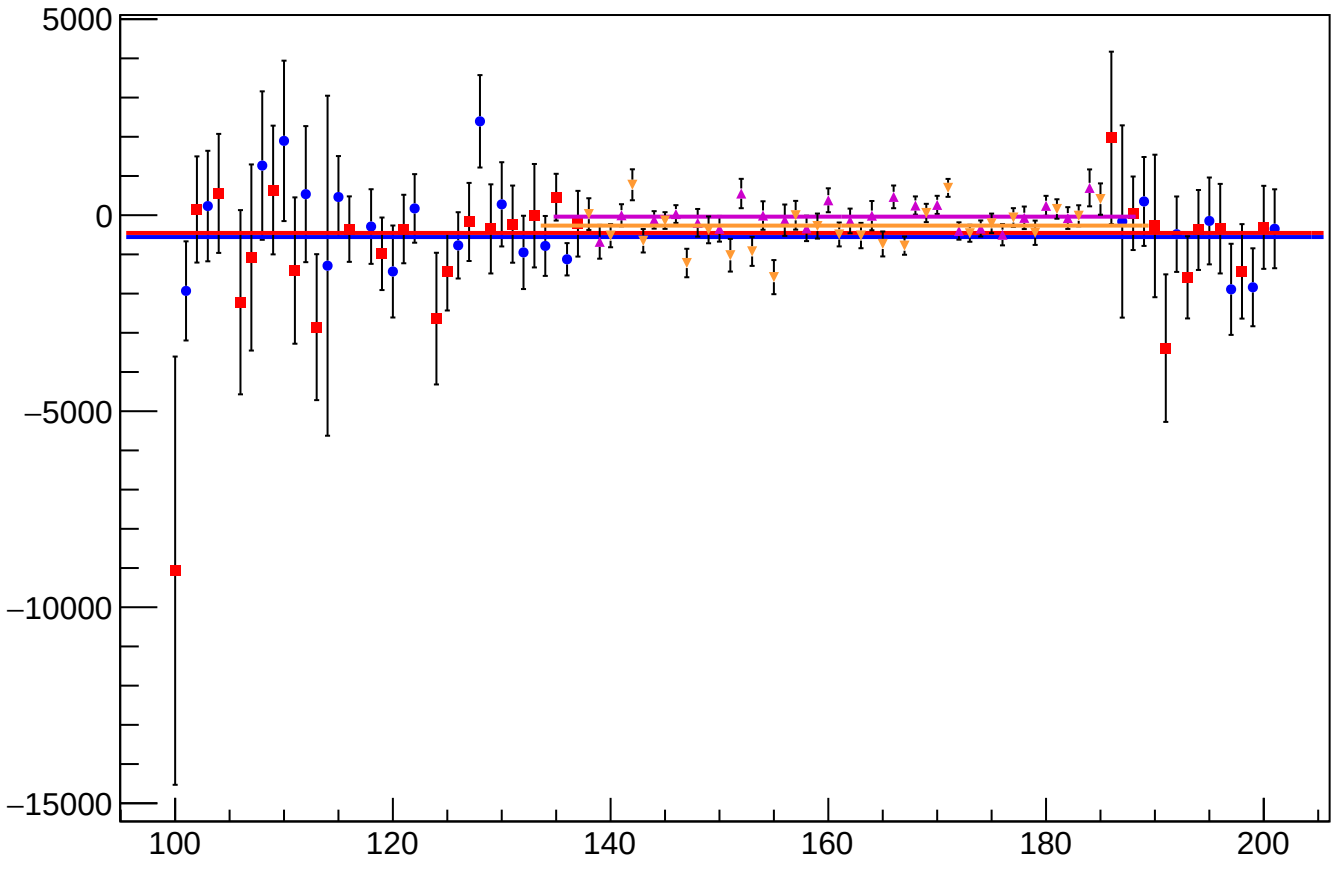
Right Out: 80.936+/-0.017 χ^2/NDF: 4697279.9/27

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.007+/-0.007 χ^2/NDF: 6502366.3/47

All: 52.595+/-0.005 χ^2/NDF: 14638371.9/98

- sign 53.223+/-0.007 χ^2/NDF: 8121123.2/50



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: -453.002+/-216.373 χ^2/NDF: 17.6/27

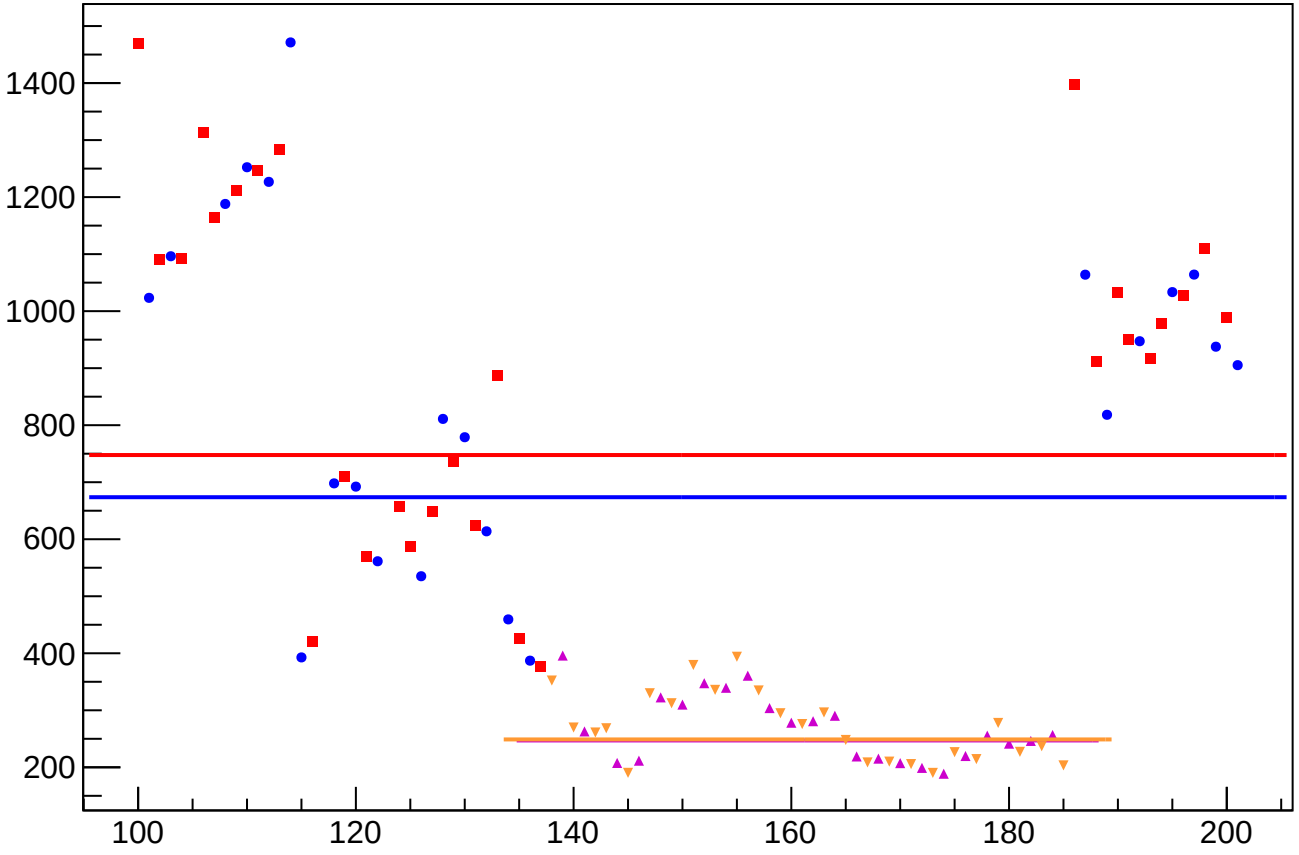
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -287.018+/-55.872 χ^2/NDF: 91.2/47

All: -179.052+/-39.923 χ^2/NDF: 146.5/98

- sign -66.428+/-57.065 χ^2/NDF: 47.7/50

asym_sam_1526_avg_reg_correction_rms vs Slug



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: 747.661+/-0.153 χ^2/NDF: 3276585.9/27

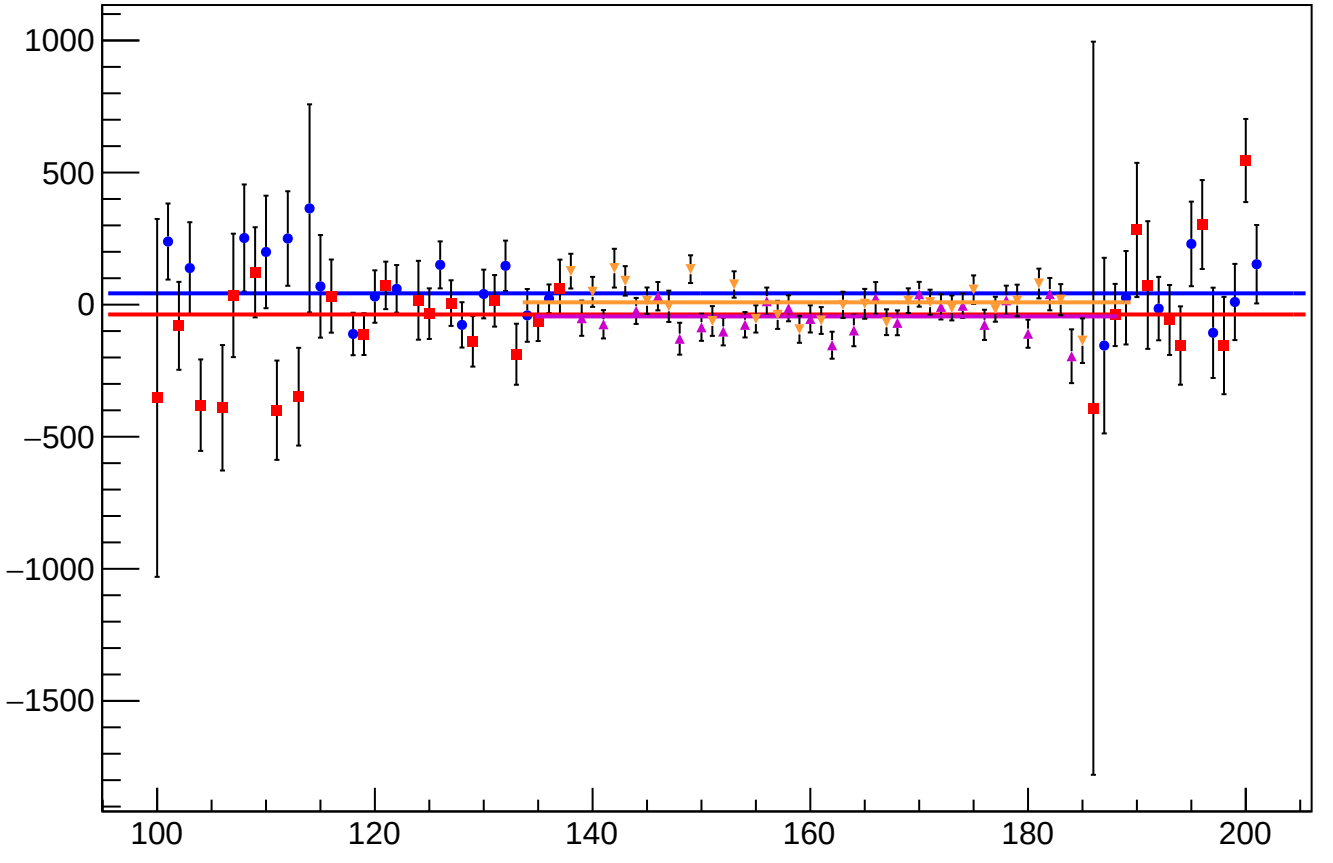
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 279.910+/-0.040 χ^2/NDF: 12740956.9/47

All: 280.896+/-0.028 χ^2/NDF: 27462231.8/98

- sign 281.925+/-0.040 χ^2/NDF: 14720000.5/50

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: -37.215+/-24.287 χ^2/NDF: 41.8/27

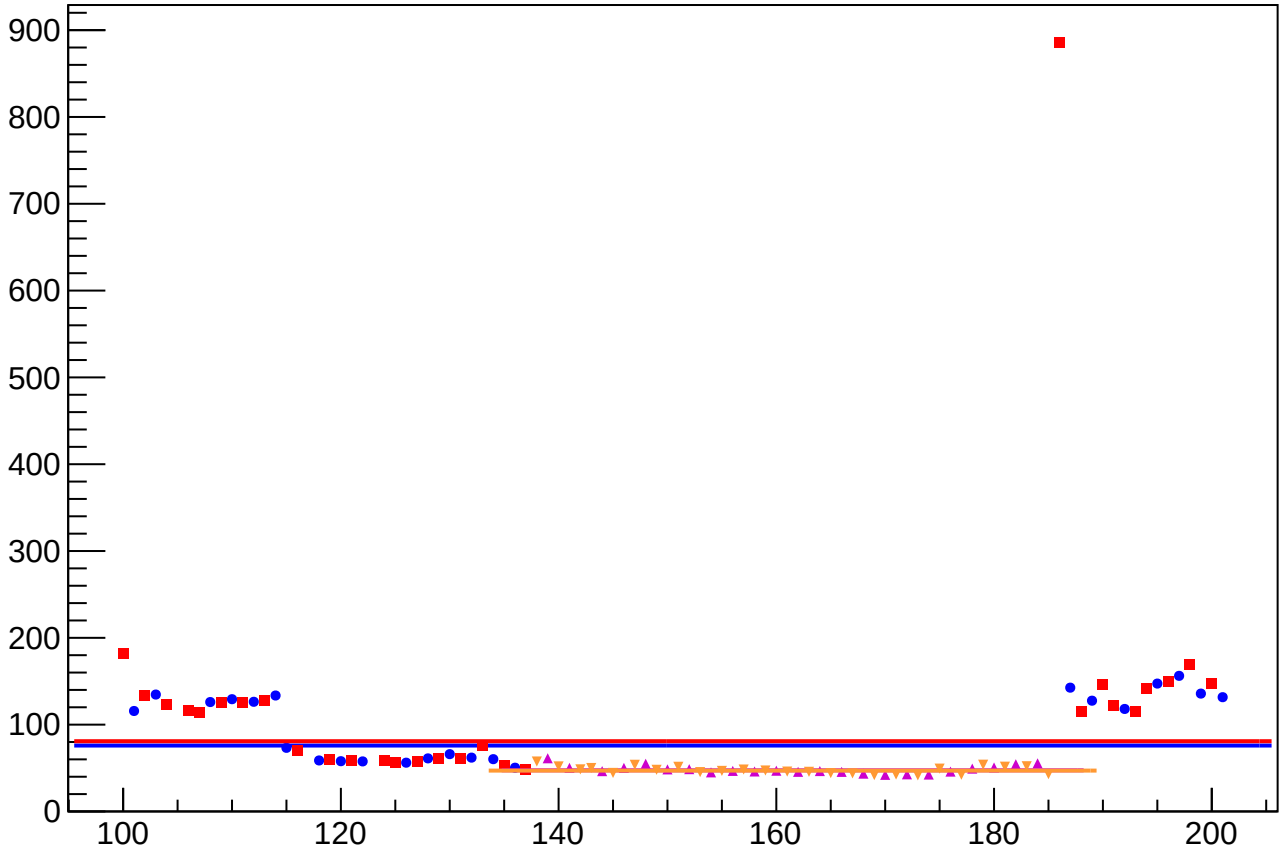
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.582+/-9.804 χ^2/NDF: 54.6/47

All: -13.390+/-7.046 χ^2/NDF: 140.3/98

- sign -43.265+/-10.132 χ^2/NDF: 68.9/50

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

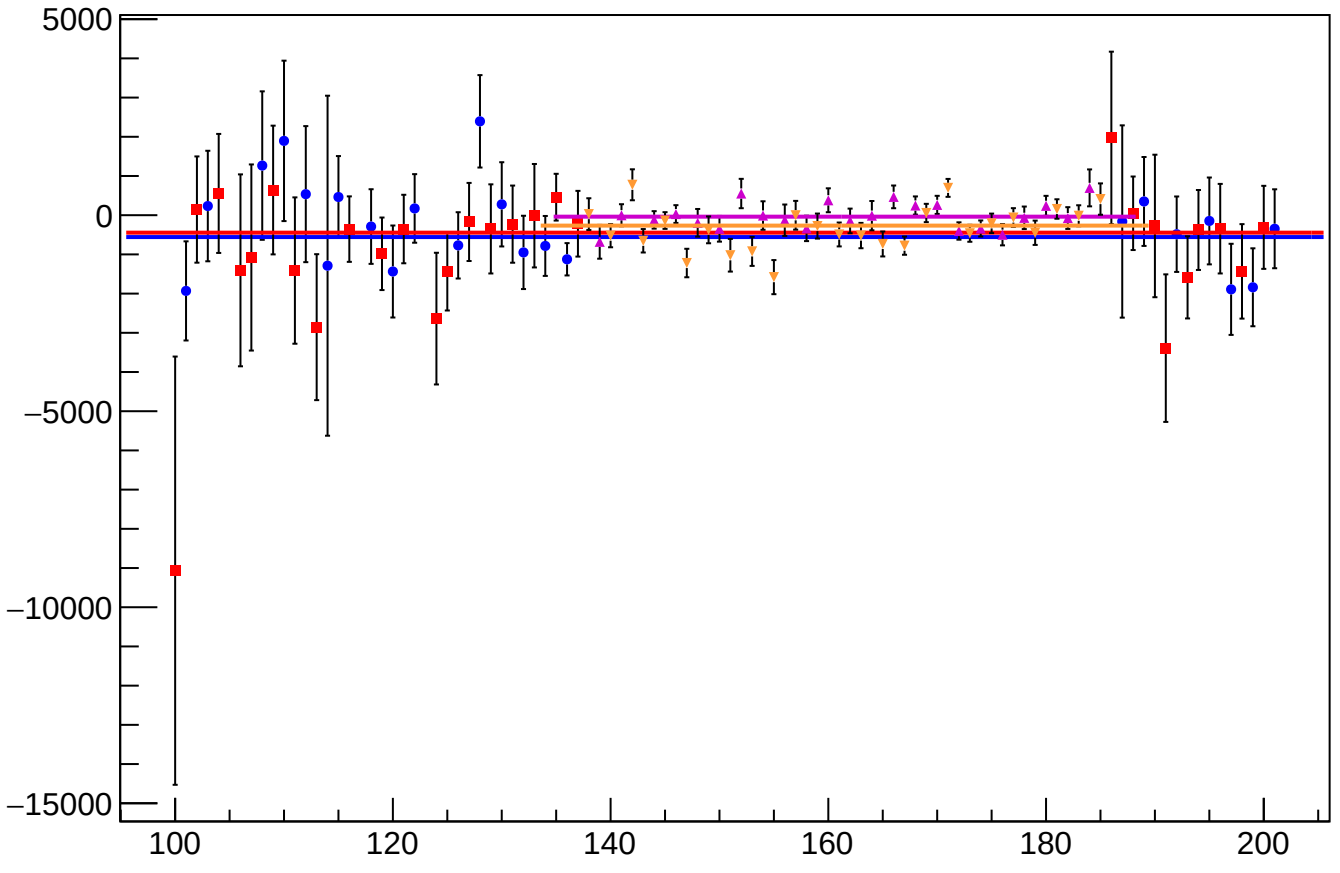
Right Out: 80.924+/-0.017 χ^2/NDF: 4694892.9/27

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.007+/-0.007 χ^2/NDF: 6502368.3/47

All: 52.594+/-0.005 χ^2/NDF: 14633710.4/98

- sign 53.221+/-0.007 χ^2/NDF: 8116512.8/50



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: -445.540+/-216.449 χ^2/NDF: 17.2/27

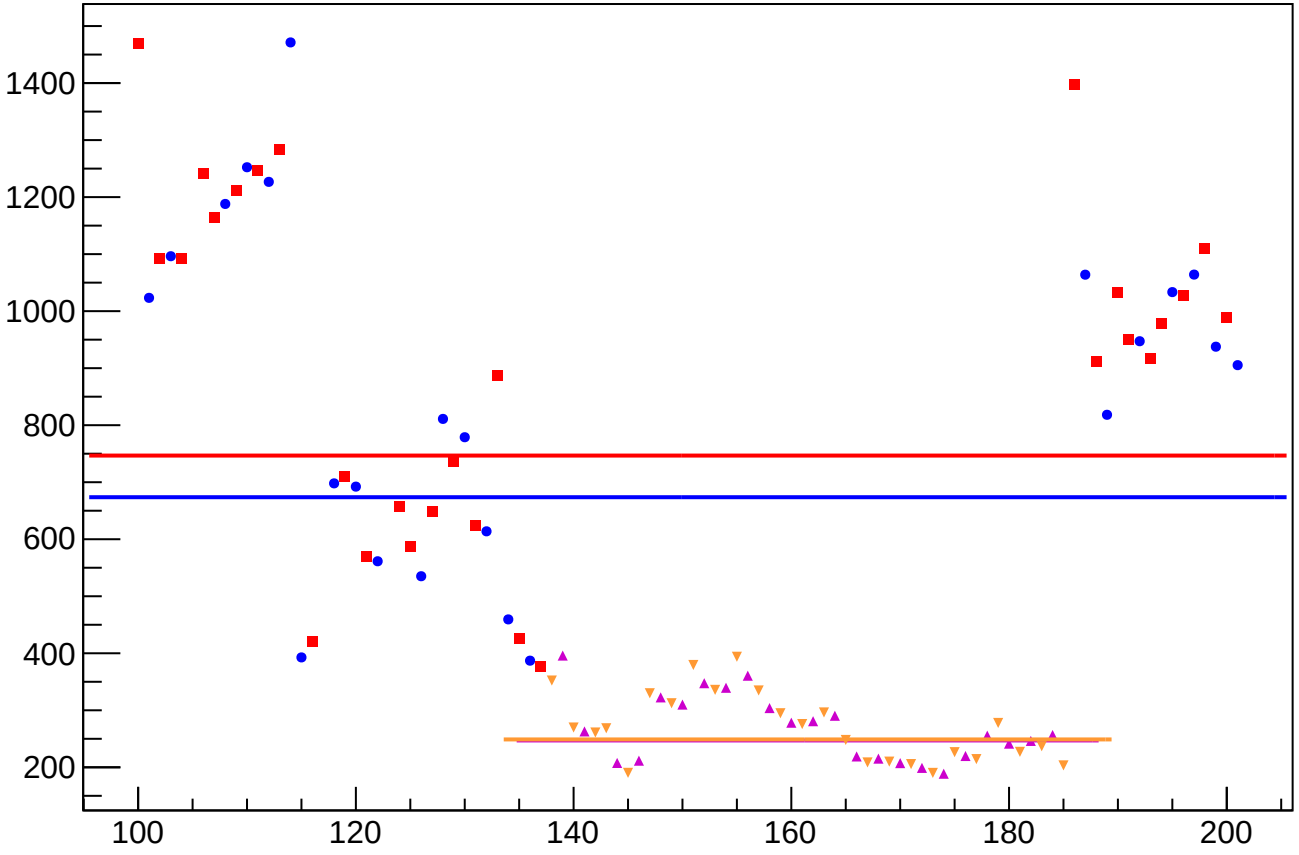
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -287.013+/-55.872 χ^2/NDF: 91.2/47

All: -178.788+/-39.923 χ^2/NDF: 145.9/98

- sign -65.888+/-57.066 χ^2/NDF: 47.1/50

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: 746.729+/-0.153 χ^2/NDF: 3242408.8/27

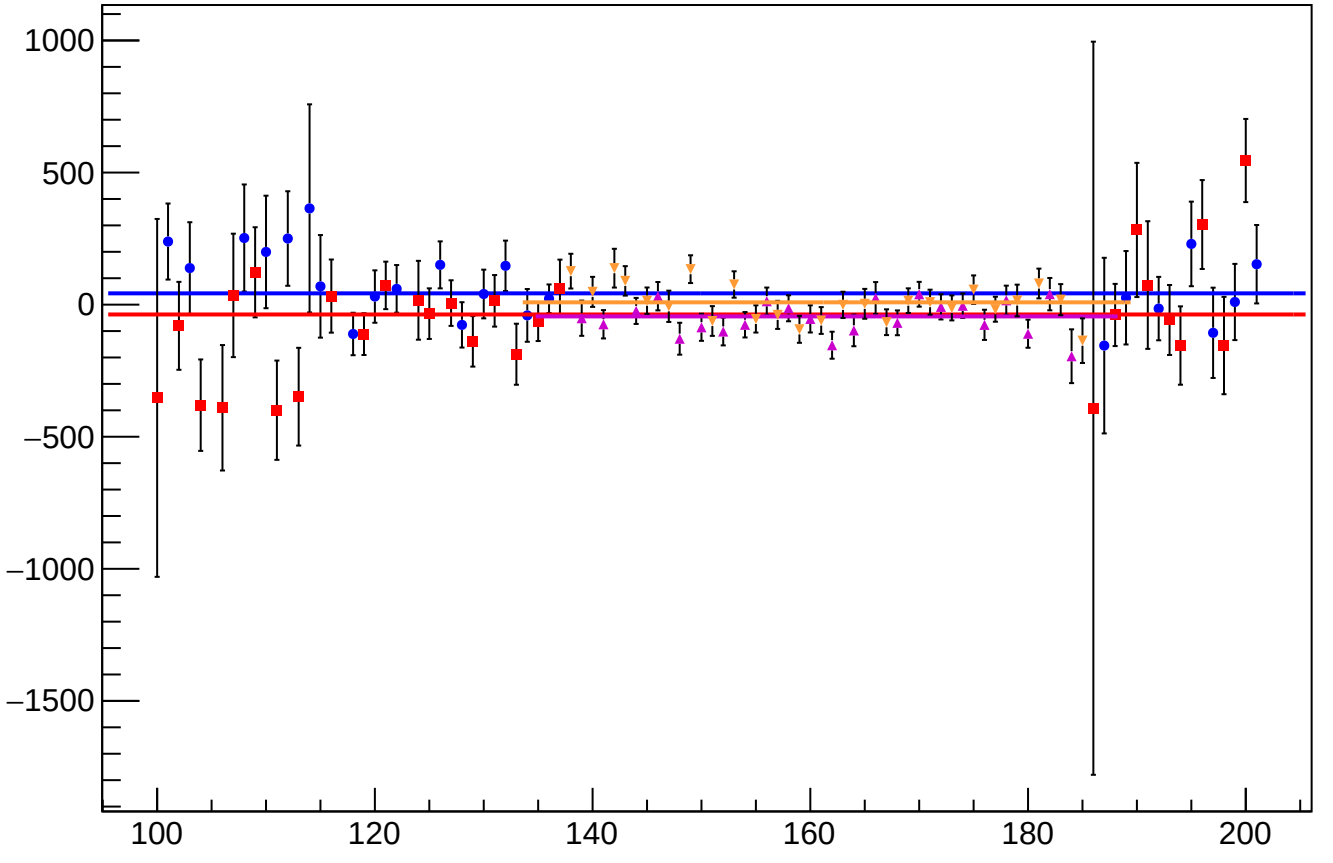
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

\+ sign 279.909+/-0.040 χ^2/NDF: 12740994.2/47

All: 280.853+/-0.028 χ^2/NDF: 27384416.1/98

\- sign 281.838+/-0.040 χ^2/NDF: 14642255.4/50

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: -37.215+/-24.287 χ^2/NDF: 41.8/27

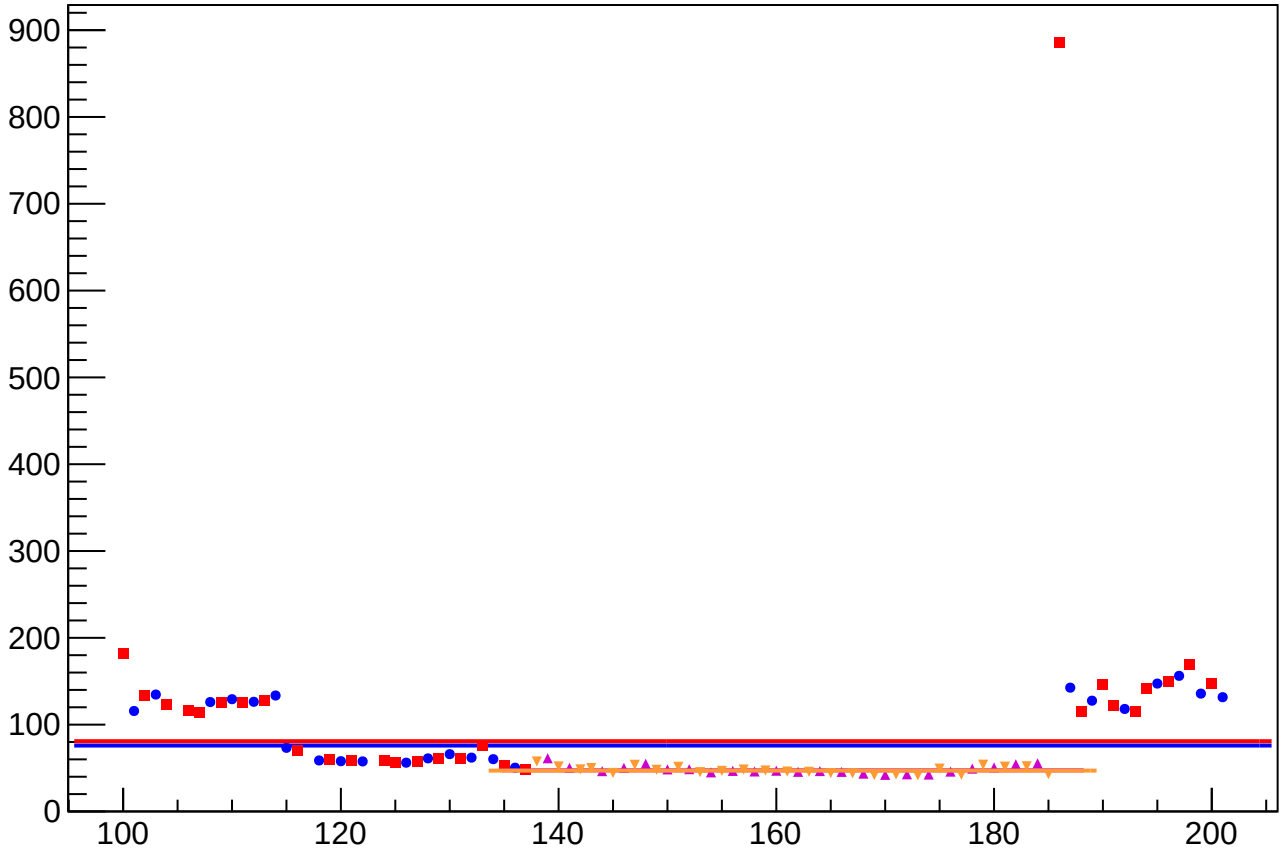
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.582+/-9.804 χ^2/NDF: 54.6/47

All: -13.390+/-7.046 χ^2/NDF: 140.3/98

- sign -43.265+/-10.132 χ^2/NDF: 68.9/50

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

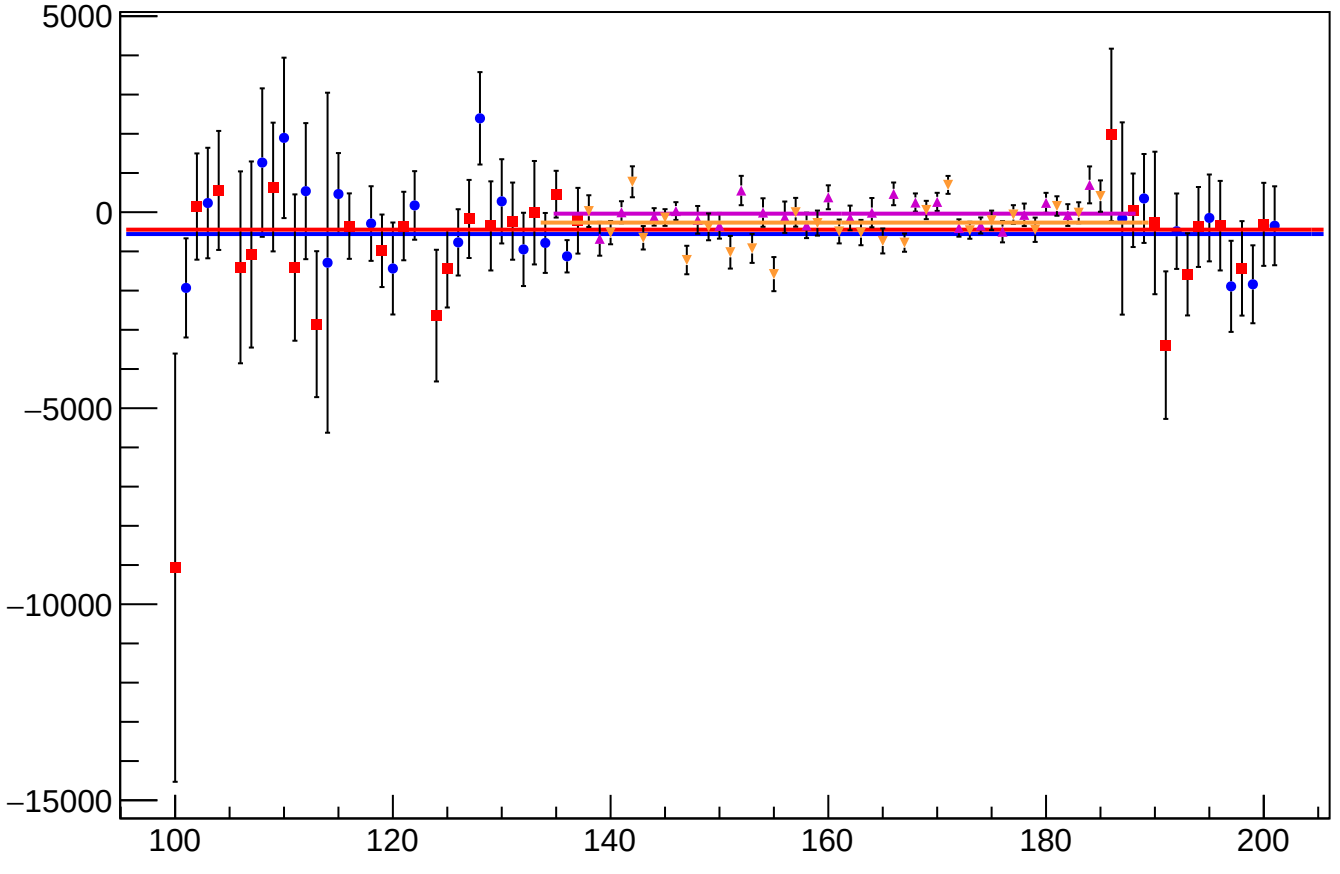
Right Out: 80.924+/-0.017 χ^2/NDF: 4694892.9/27

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.007+/-0.007 χ^2/NDF: 6502368.3/47

All: 52.594+/-0.005 χ^2/NDF: 14633710.4/98

- sign 53.221+/-0.007 χ^2/NDF: 8116512.8/50



Right In: -557.848+/-206.769 χ^2/NDF: 19.5/22

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

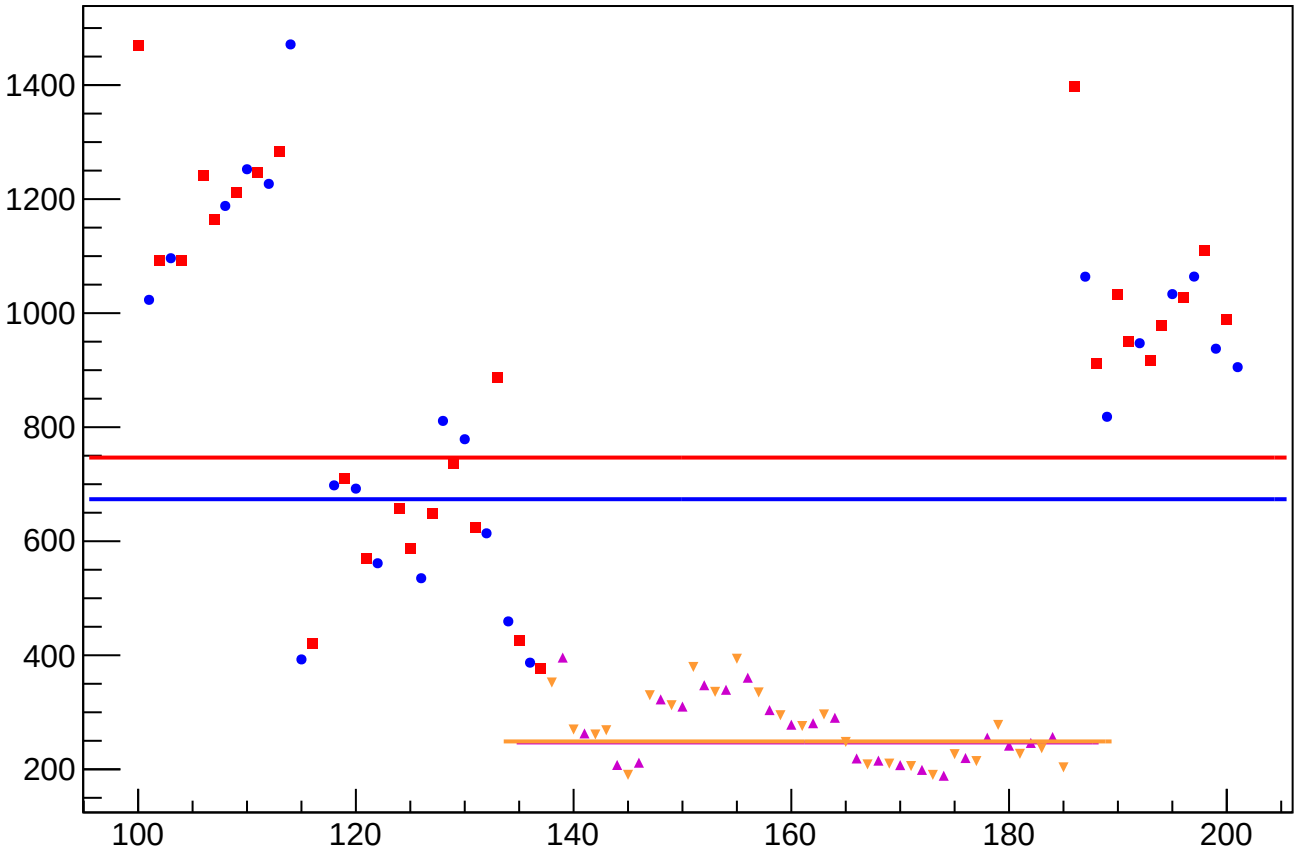
Right Out: -445.540+/-216.449 χ^2/NDF: 17.2/27

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -287.013+/-55.872 χ^2/NDF: 91.2/47

All: -178.788+/-39.923 χ^2/NDF: 145.9/98

- sign -65.888+/-57.066 χ^2/NDF: 47.1/50



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: 746.729+/-0.153 χ^2/NDF: 3242408.8/27

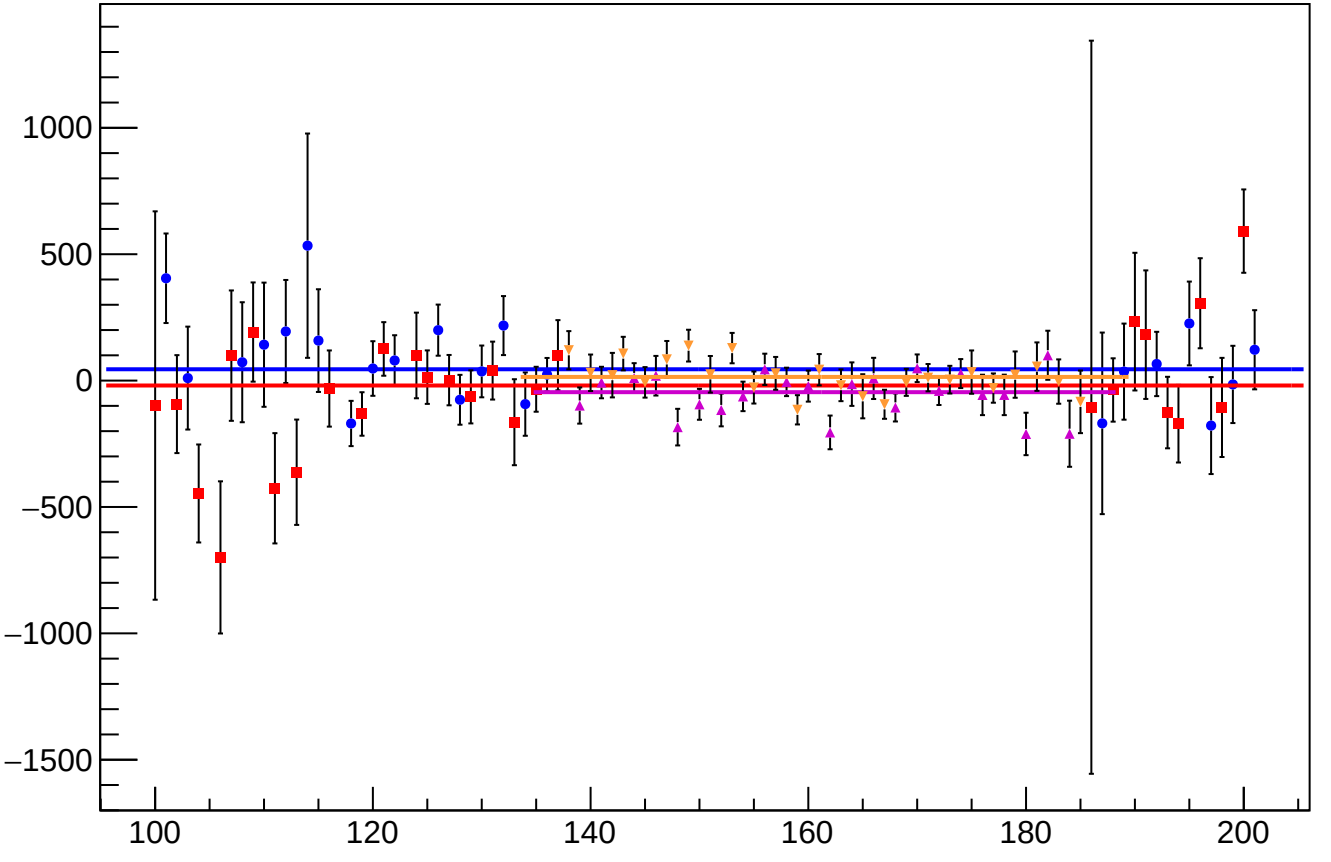
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 279.909+/-0.040 χ^2/NDF: 12740994.2/47

All: 280.853+/-0.028 χ^2/NDF: 27384416.1/98

- sign 281.838+/-0.040 χ^2/NDF: 14642255.4/50

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: -19.413+/-27.694 χ^2/NDF: 44.2/27

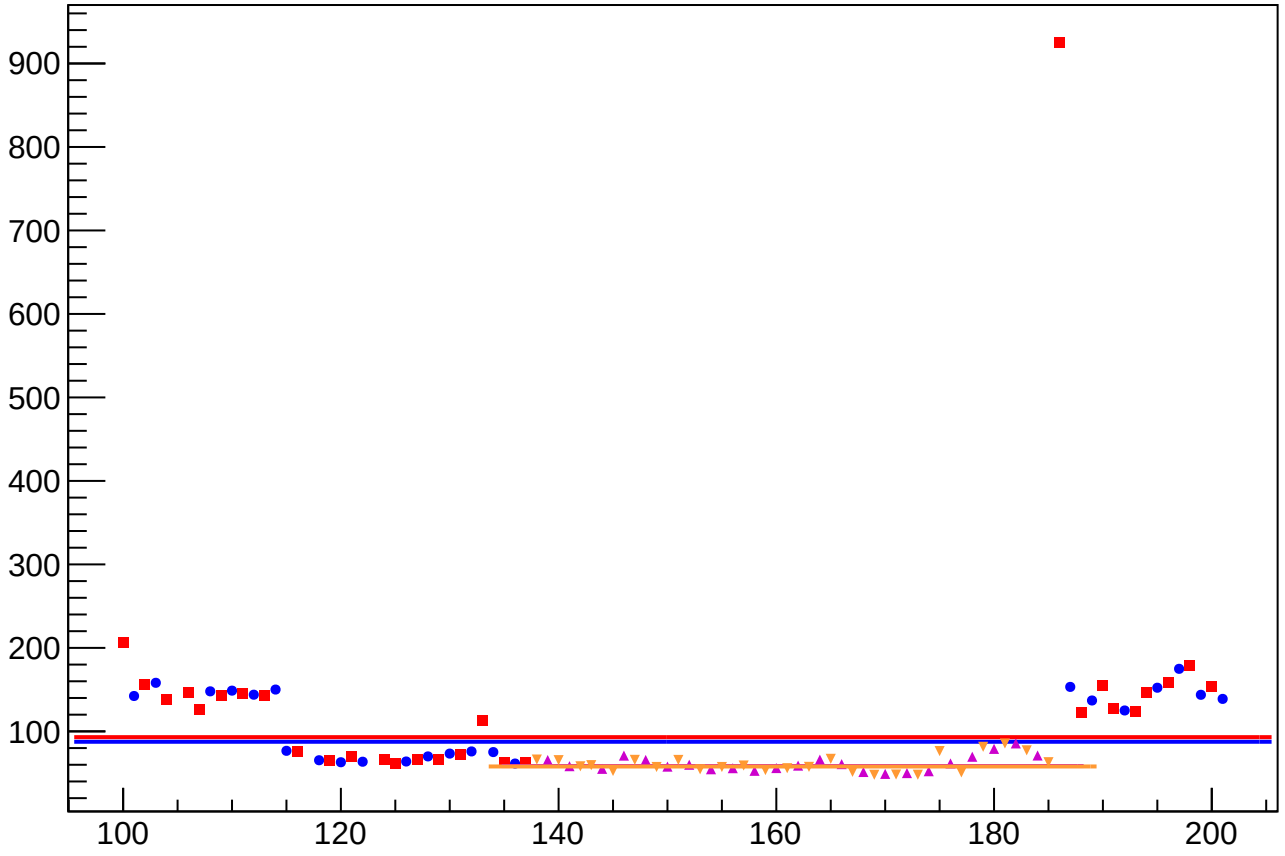
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 20.498+/-12.050 χ^2/NDF: 48.5/47

All: -9.006+/-8.657 χ^2/NDF: 136.5/98

- sign -40.476+/-12.445 χ^2/NDF: 75.6/50

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

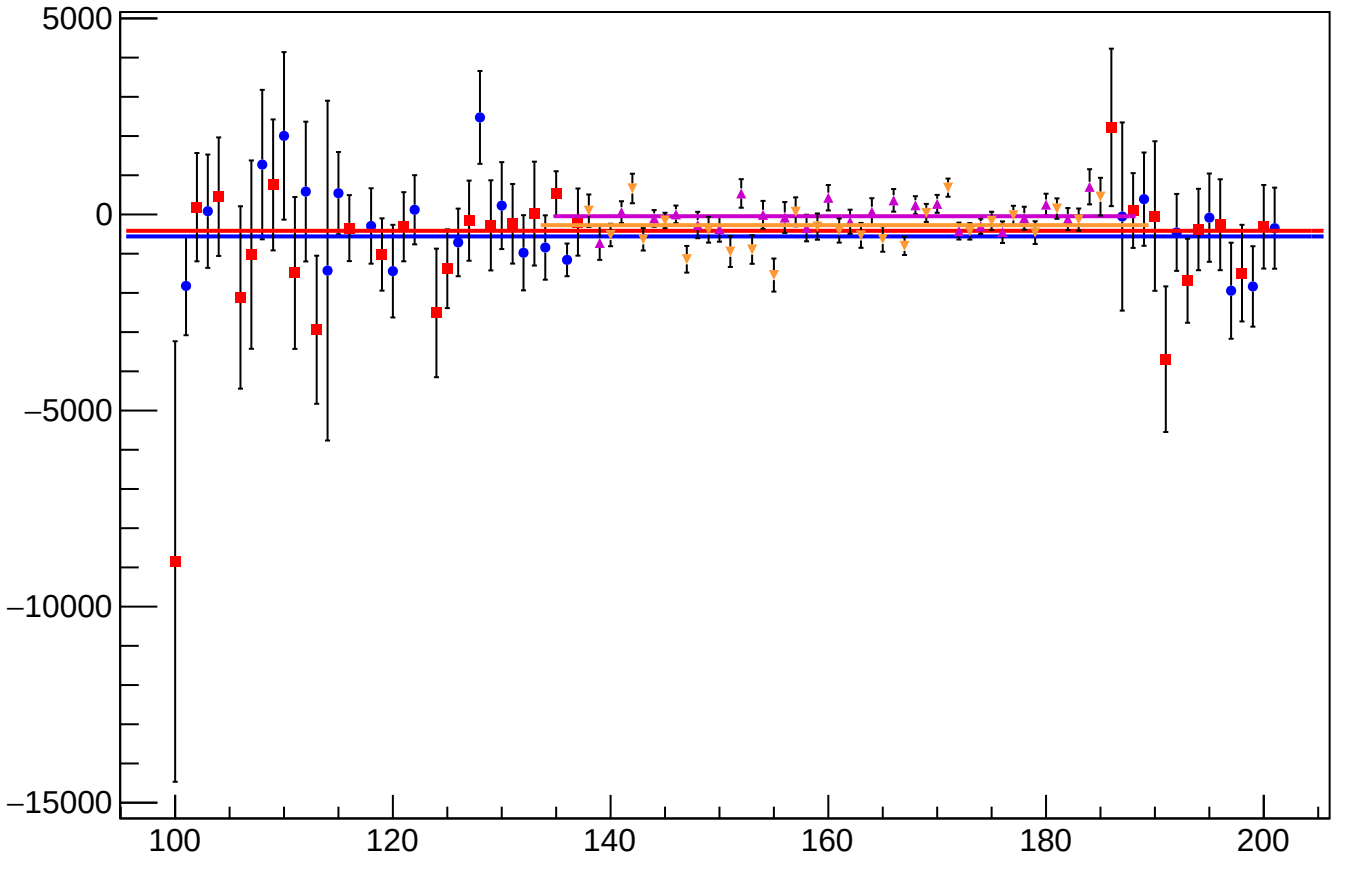
Right Out: 93.074+/-0.020 χ^2/NDF: 4231418.9/27

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 63.819+/-0.009 χ^2/NDF: 6180158.0/47

All: 64.616+/-0.006 χ^2/NDF: 13570340.8/98

- sign 65.466+/-0.009 χ^2/NDF: 7372103.4/50



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: -416.307+/-217.290 χ^2/NDF: 19.4/27

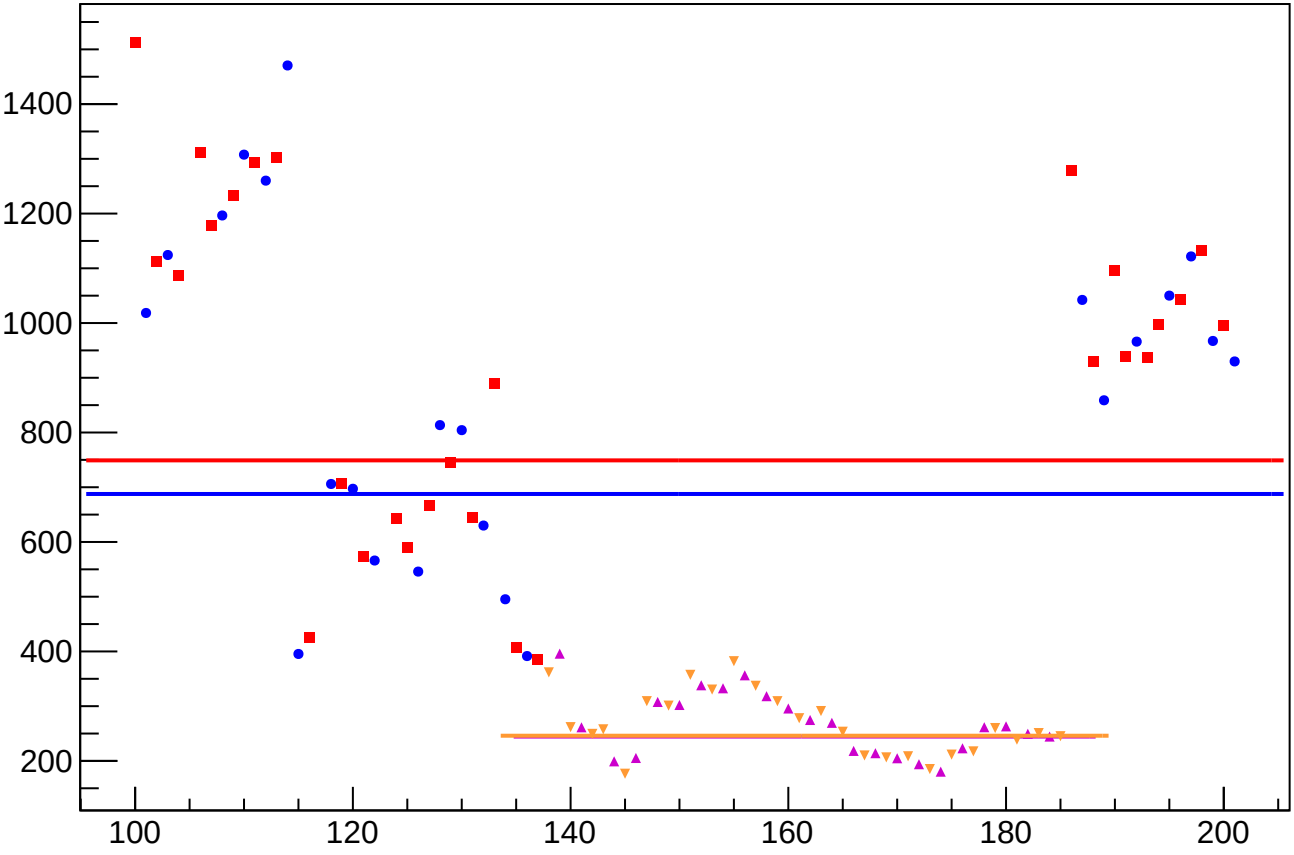
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -292.203+/-55.276 χ^2/NDF: 87.1/47

All: -183.601+/-39.543 χ^2/NDF: 143.6/98

- sign -69.769+/-56.591 χ^2/NDF: 48.6/50

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

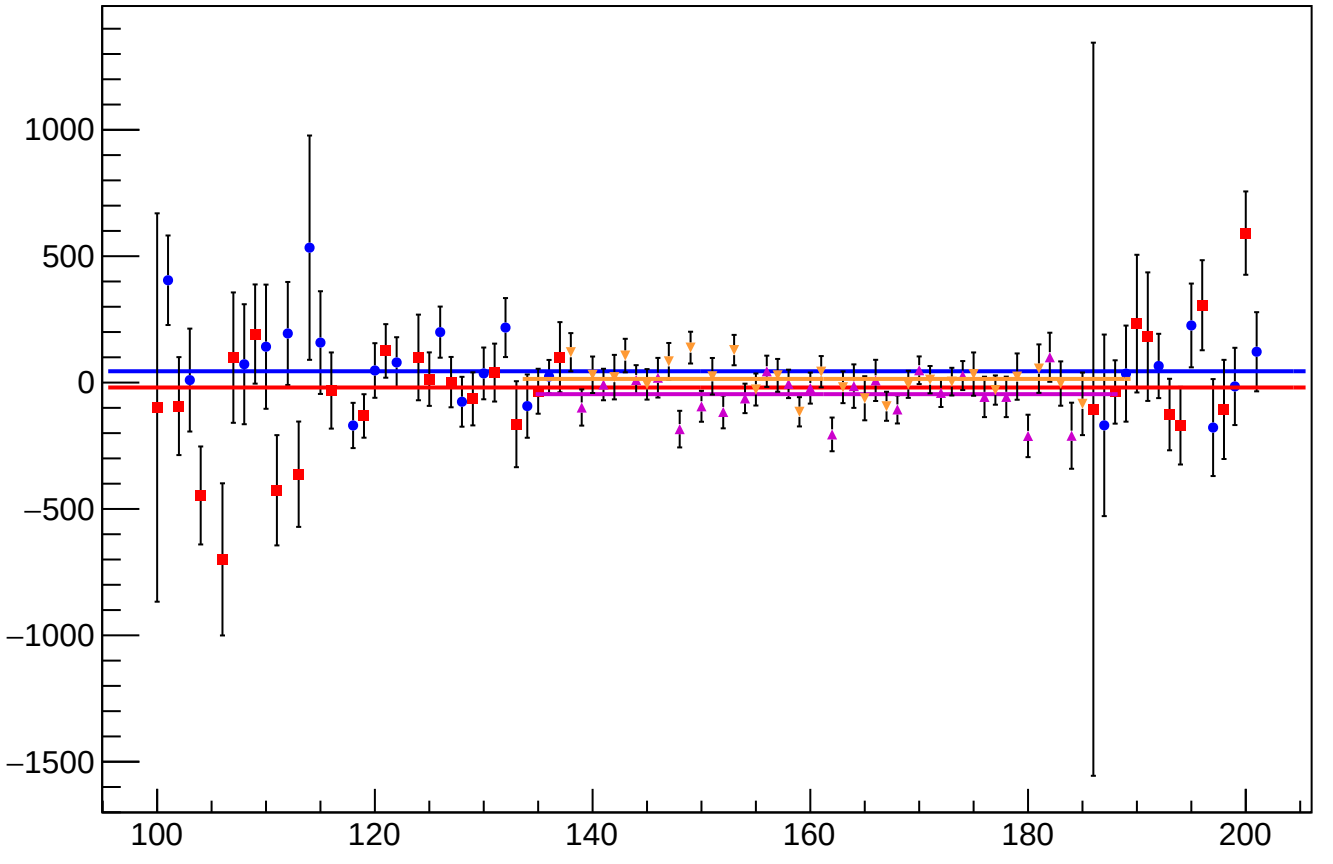
Right Out: 749.082+/-0.154 χ^2/NDF: 3429639.1/27

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 276.290+/-0.039 χ^2/NDF: 13119203.7/47

All: 277.456+/-0.028 χ^2/NDF: 28202956.7/98

- sign 278.679+/-0.040 χ^2/NDF: 15081928.8/50



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: -19.413+/-27.693 χ^2/NDF: 44.2/27

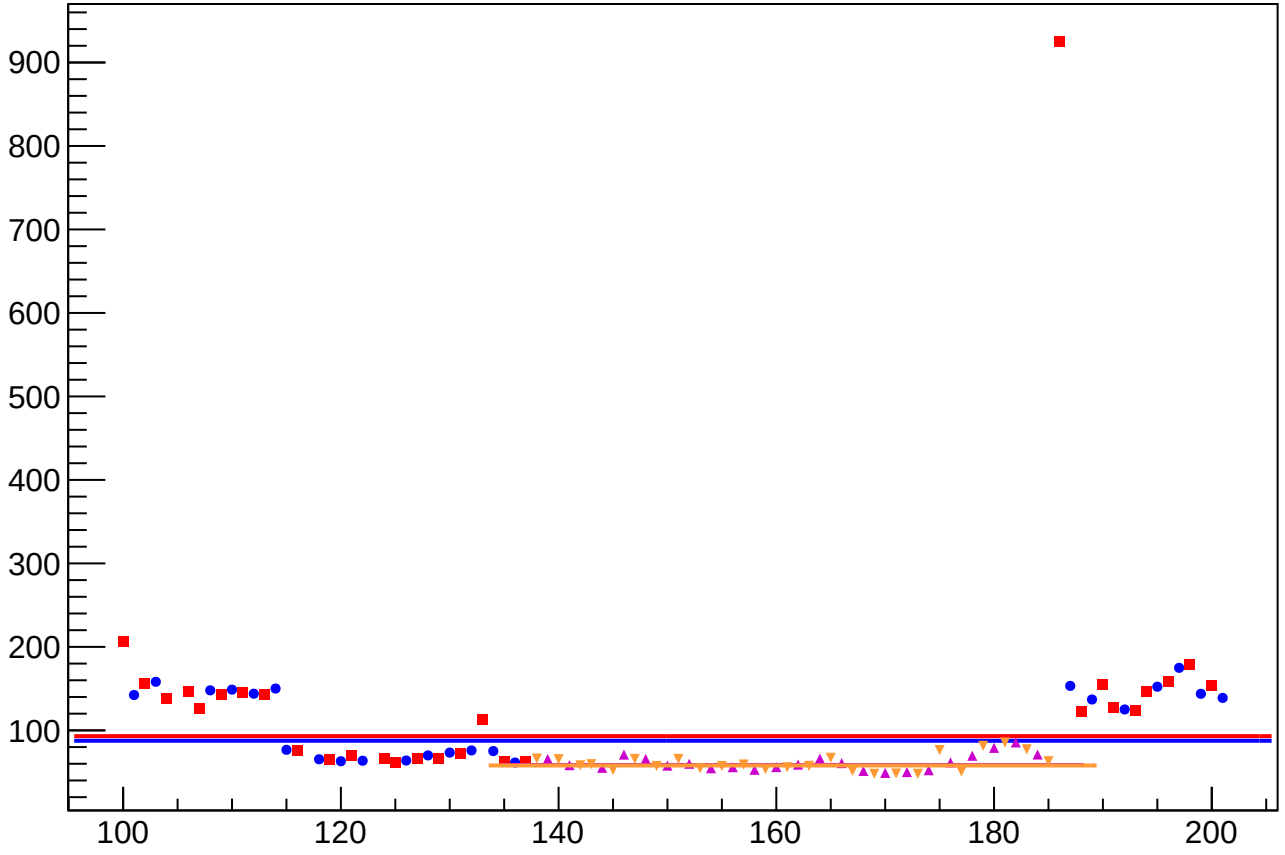
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 20.498+/-12.050 χ^2/NDF: 48.5/47

All: -9.005+/-8.657 χ^2/NDF: 136.5/98

- sign -40.475+/-12.445 χ^2/NDF: 75.6/50

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

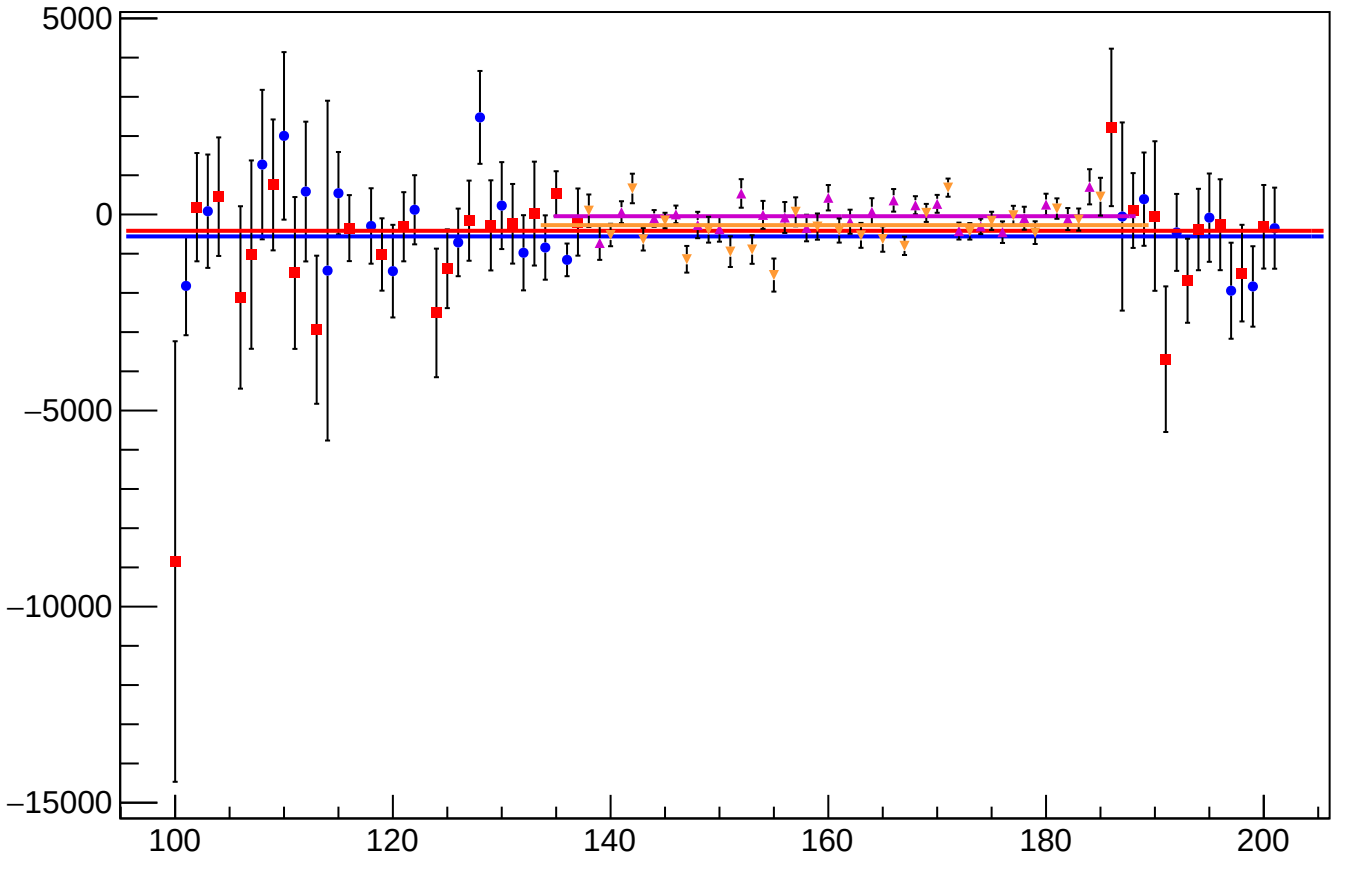
Right Out: 93.074+/-0.020 χ^2/NDF: 4231427.6/27

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 63.819+/-0.009 χ^2/NDF: 6180118.4/47

All: 64.616+/-0.006 χ^2/NDF: 13570243.6/98

- sign 65.466+/-0.009 χ^2/NDF: 7372044.2/50



Right In: -559.772+/-211.133 χ^2/NDF: 19.6/22

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

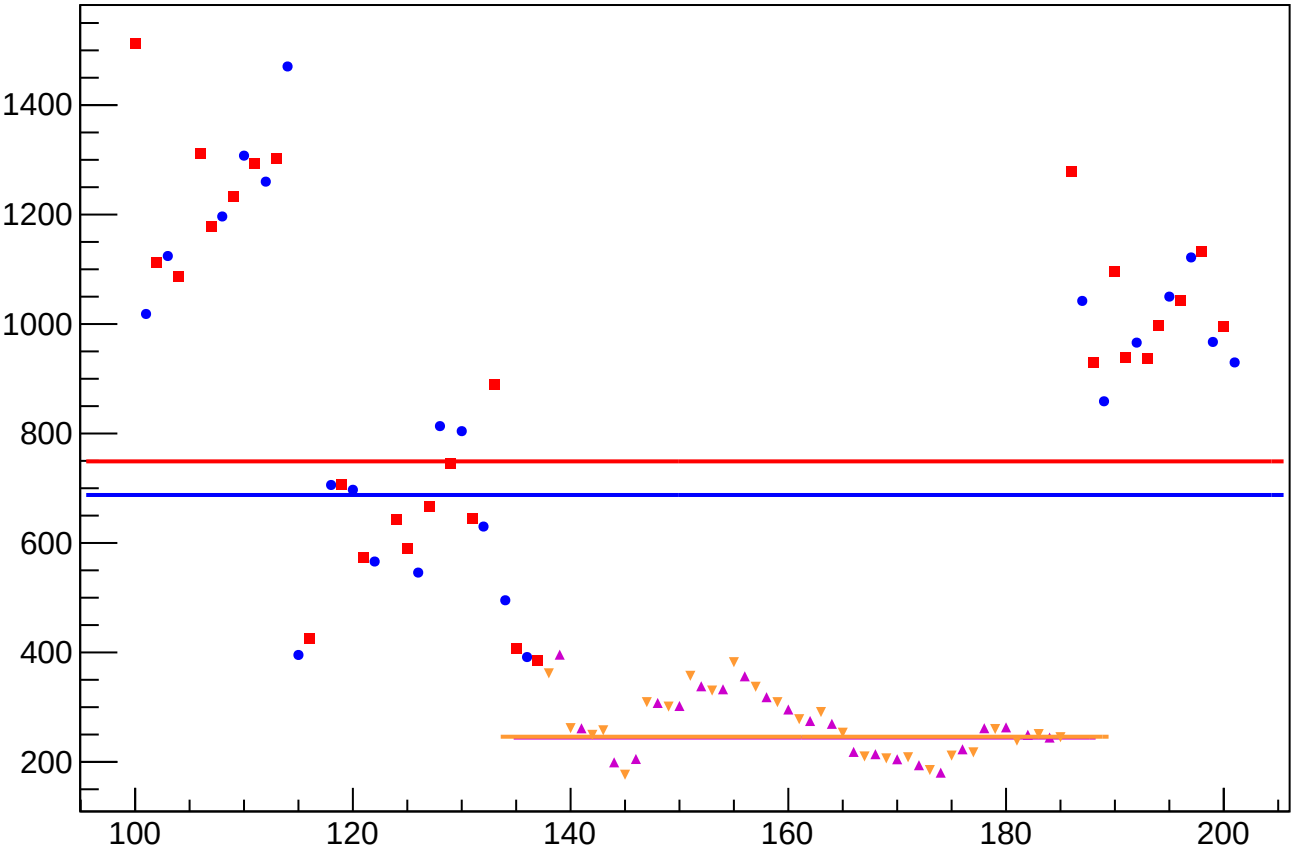
Right Out: -416.307+/-217.290 χ^2/NDF: 19.4/27

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -292.202+/-55.276 χ^2/NDF: 87.1/47

All: -183.600+/-39.543 χ^2/NDF: 143.6/98

- sign -69.768+/-56.591 χ^2/NDF: 48.6/50



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: 749.081+/-0.154 χ^2/NDF: 3429622.7/27

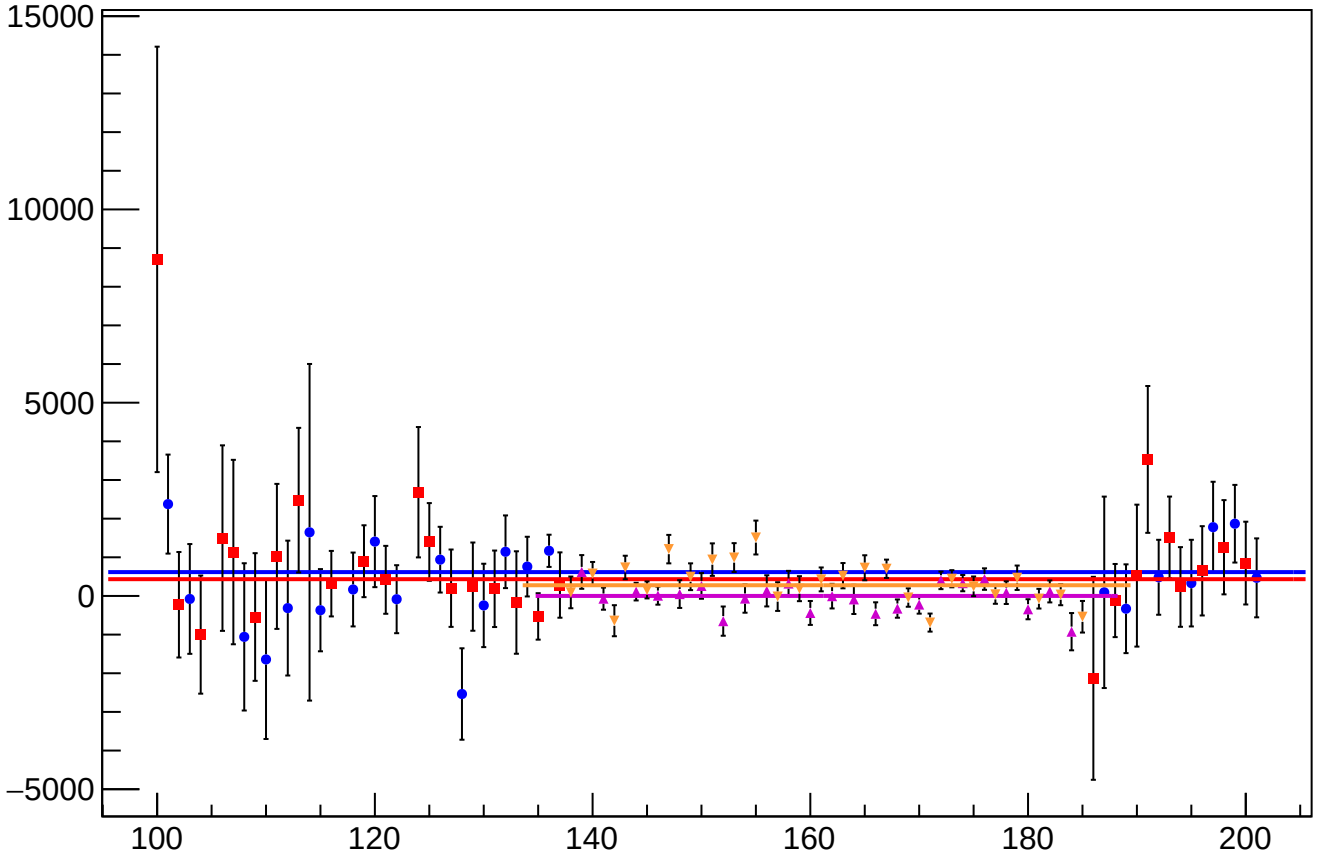
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 276.289+/-0.039 χ^2/NDF: 13119202.9/47

All: 277.456+/-0.028 χ^2/NDF: 28202938.7/98

- sign 278.679+/-0.040 χ^2/NDF: 15081911.1/50

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: 433.947+/-218.409 χ^2/NDF: 16.9/27

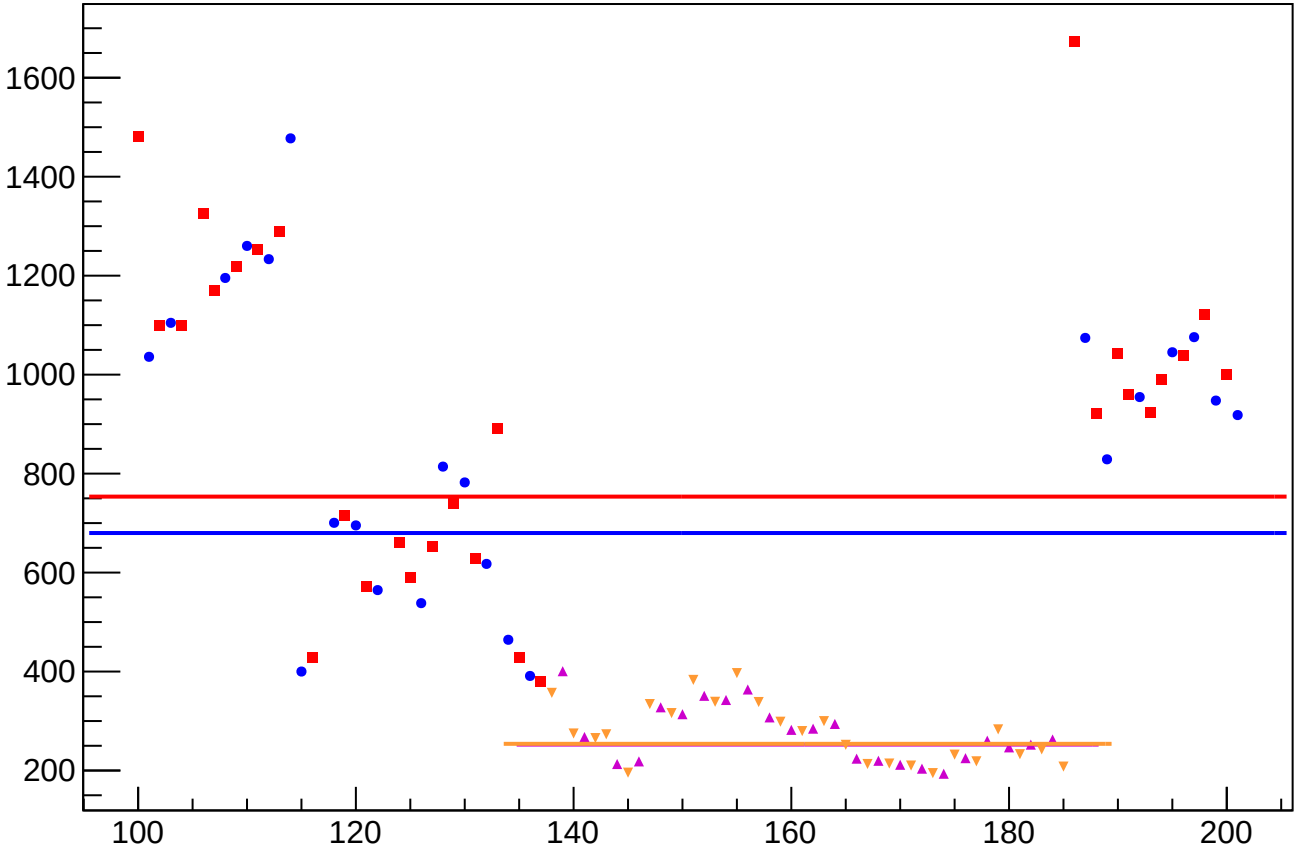
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 302.373+/-56.906 χ^2/NDF: 86.5/47

All: 169.829+/-40.680 χ^2/NDF: 146.3/98

- sign 31.304+/-58.176 χ^2/NDF: 48.7/50

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

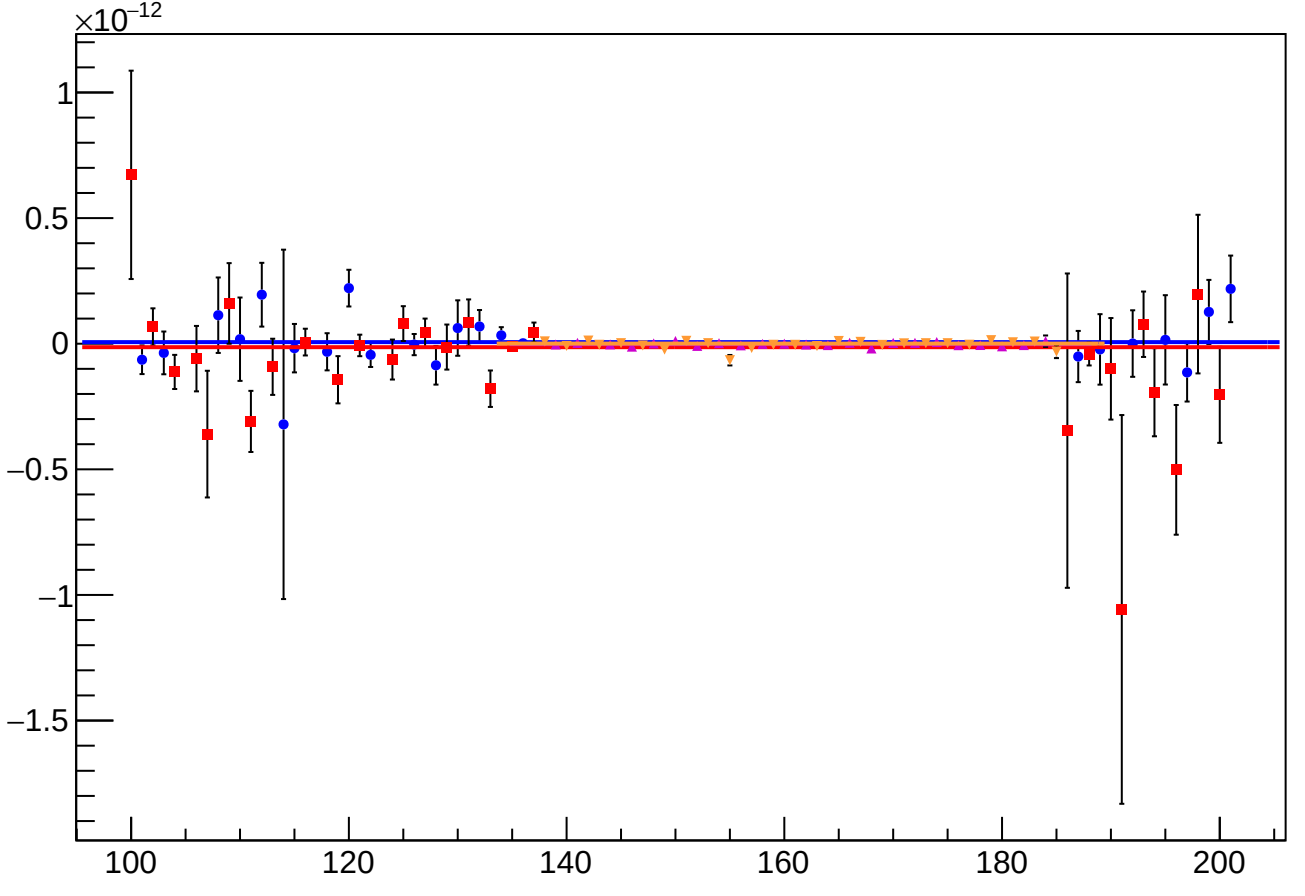
Right Out: 753.515+/-0.154 χ^2/NDF: 3345375.1/27

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 285.644+/-0.040 χ^2/NDF: 12550293.5/47

All: 286.769+/-0.029 χ^2/NDF: 27091287.6/98

- sign 287.944+/-0.041 χ^2/NDF: 14539397.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

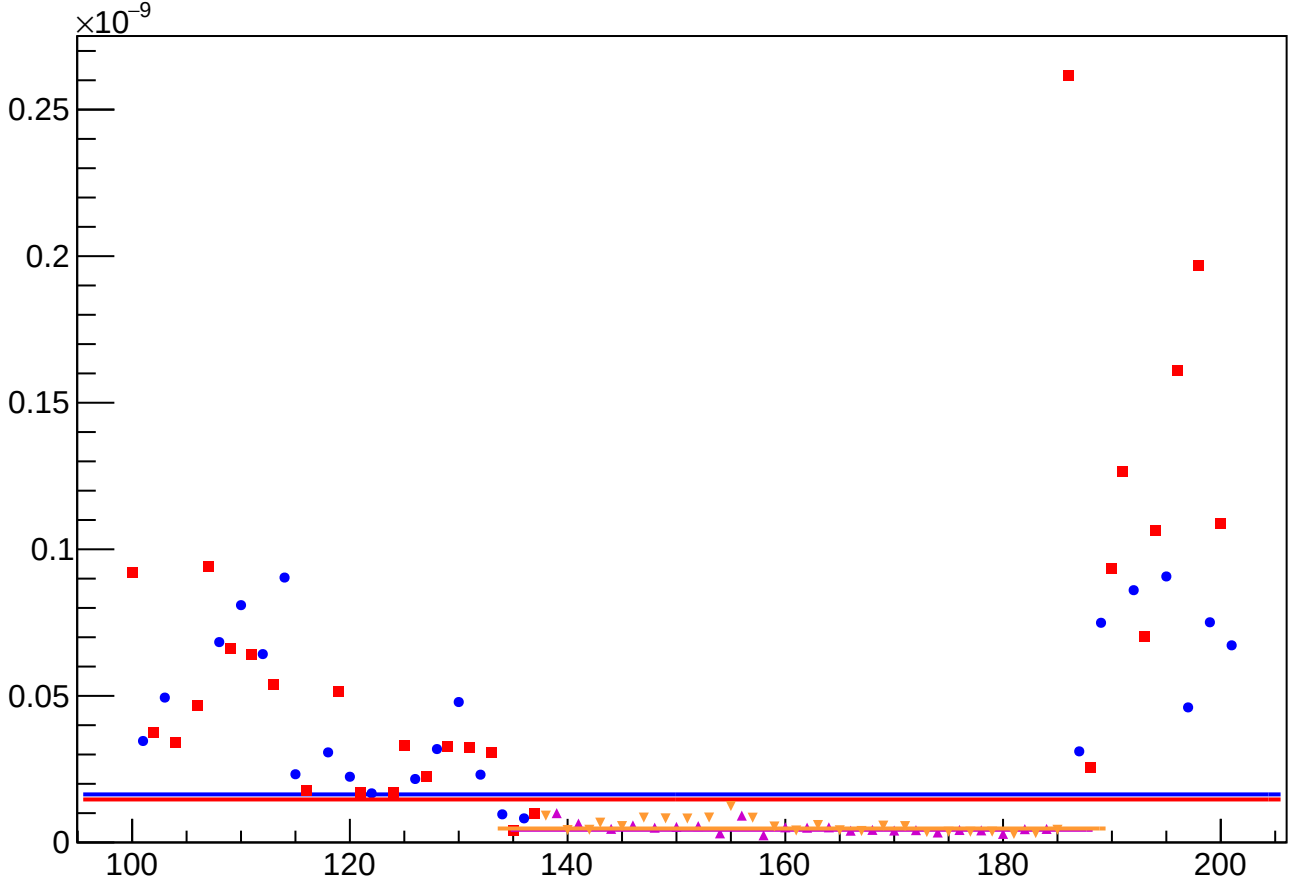
Right Out: -0.000+/-0.000 χ^2/NDF: 38.7/27

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: 105.5/98

- sign -0.000+/-0.000 χ^2/NDF: 54.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 4719889.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

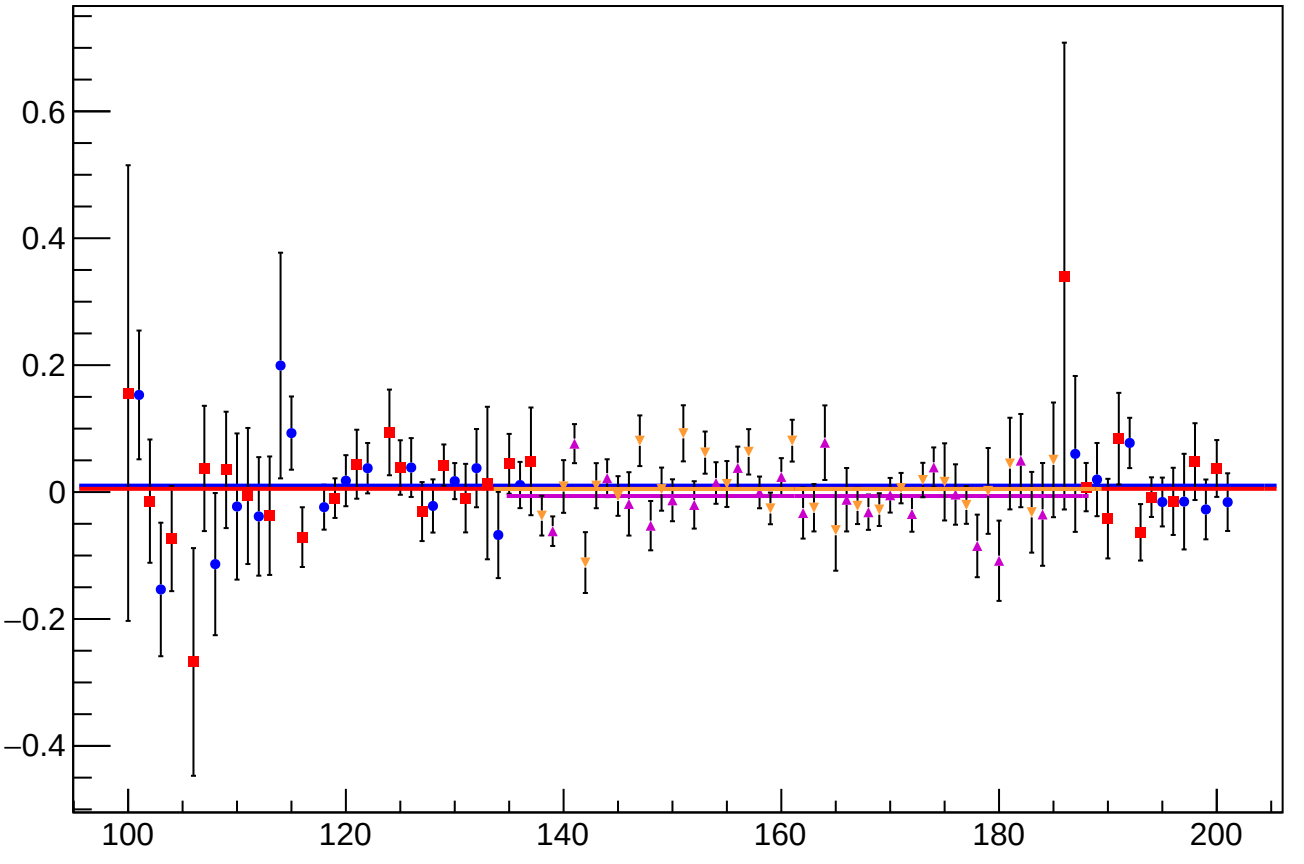
Right Out: 0.000+/-0.000 χ^2/NDF: 7047984.4/27

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8807122.4/47

All: 0.000+/-0.000 χ^2/NDF: 18908973.2/98

- sign 0.000+/-0.000 χ^2/NDF: 10031050.5/50



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: 18.8/27

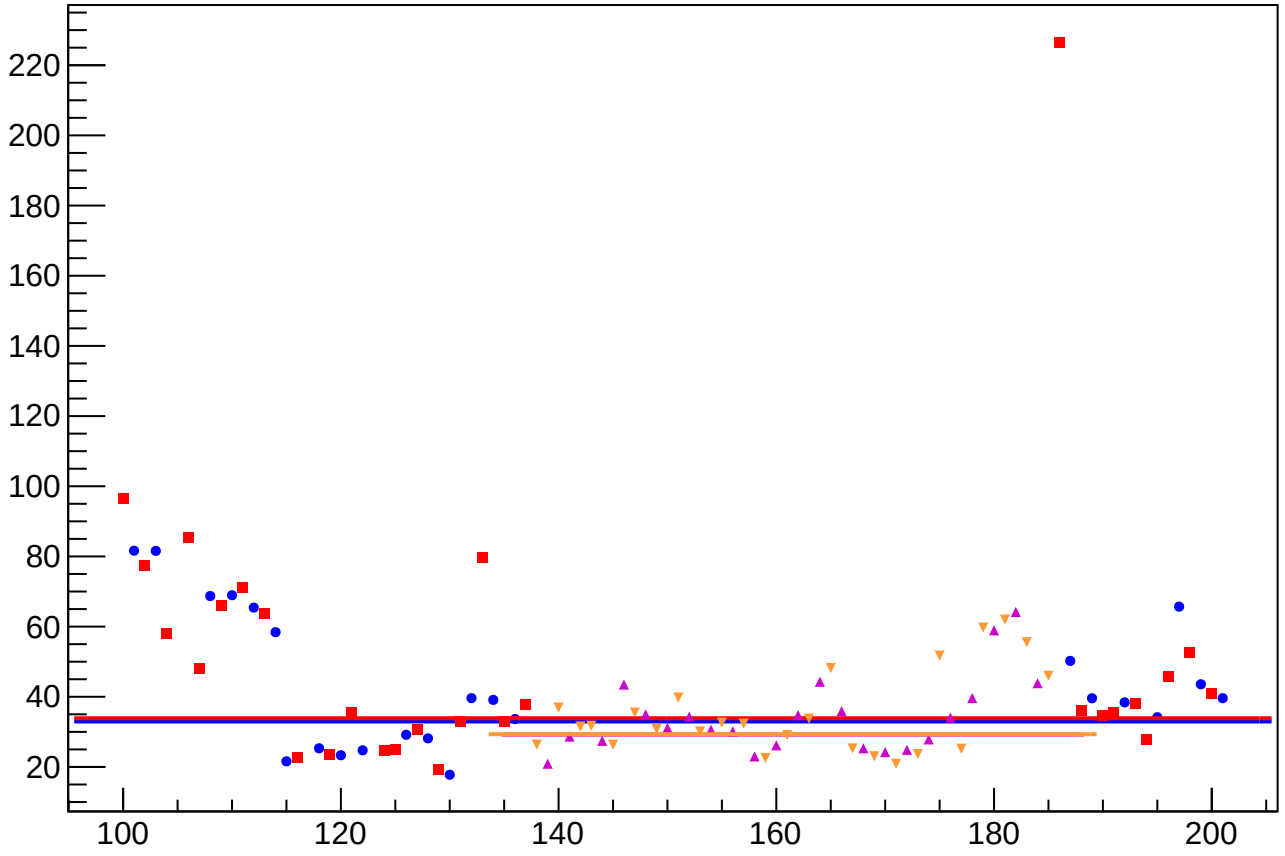
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.9/47

All: 0.002+/-0.004 χ^2/NDF: 103.6/98

- sign -0.002+/-0.006 χ^2/NDF: 50.6/50

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

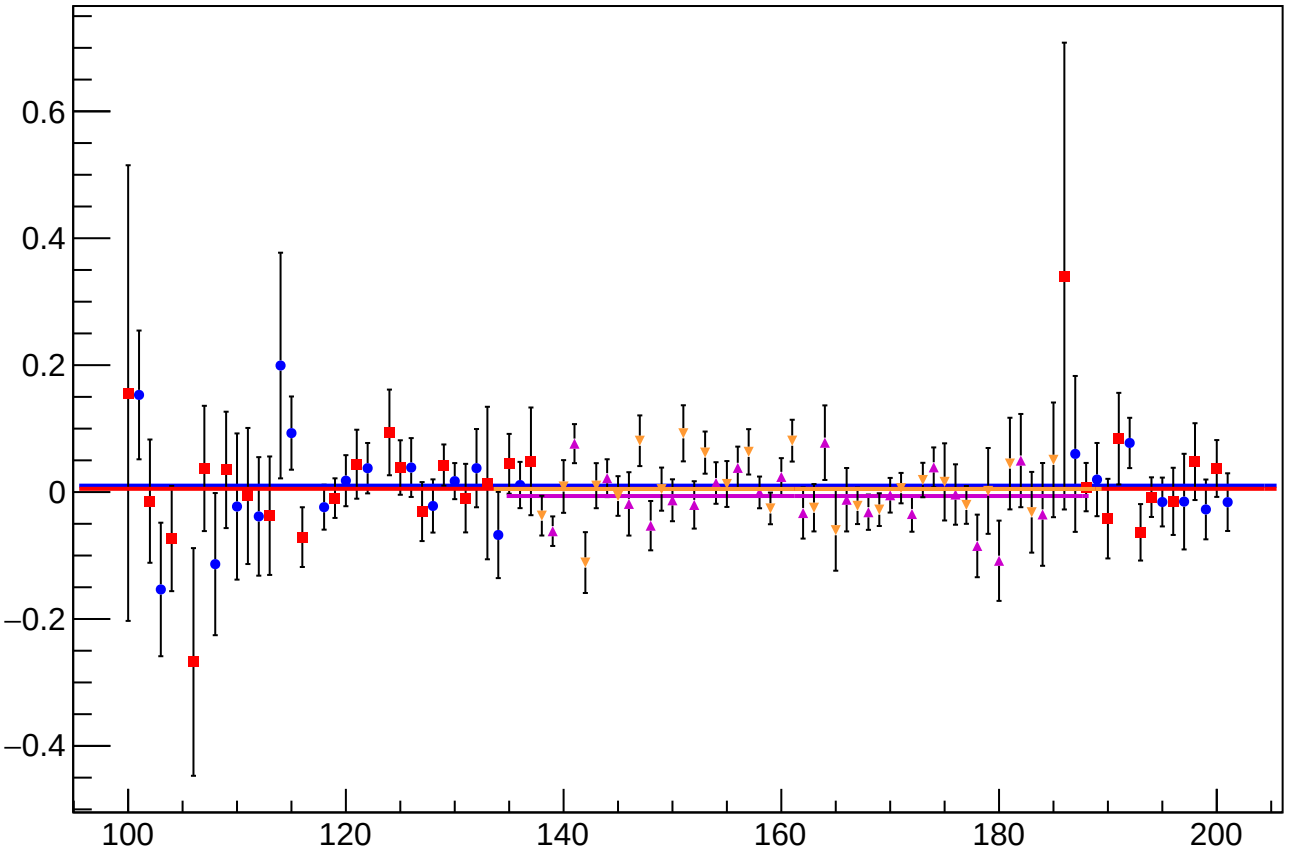
Right Out: 33.883+/-0.007 χ^2/NDF: 3698247.7/27

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.484+/-0.004 χ^2/NDF: 6067909.7/47

All: 30.631+/-0.003 χ^2/NDF: 12140928.2/98

- sign 30.781+/-0.004 χ^2/NDF: 6070487.9/50



Right In: 0.010+/-0.010 χ^2/NDF: 17.7/22

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

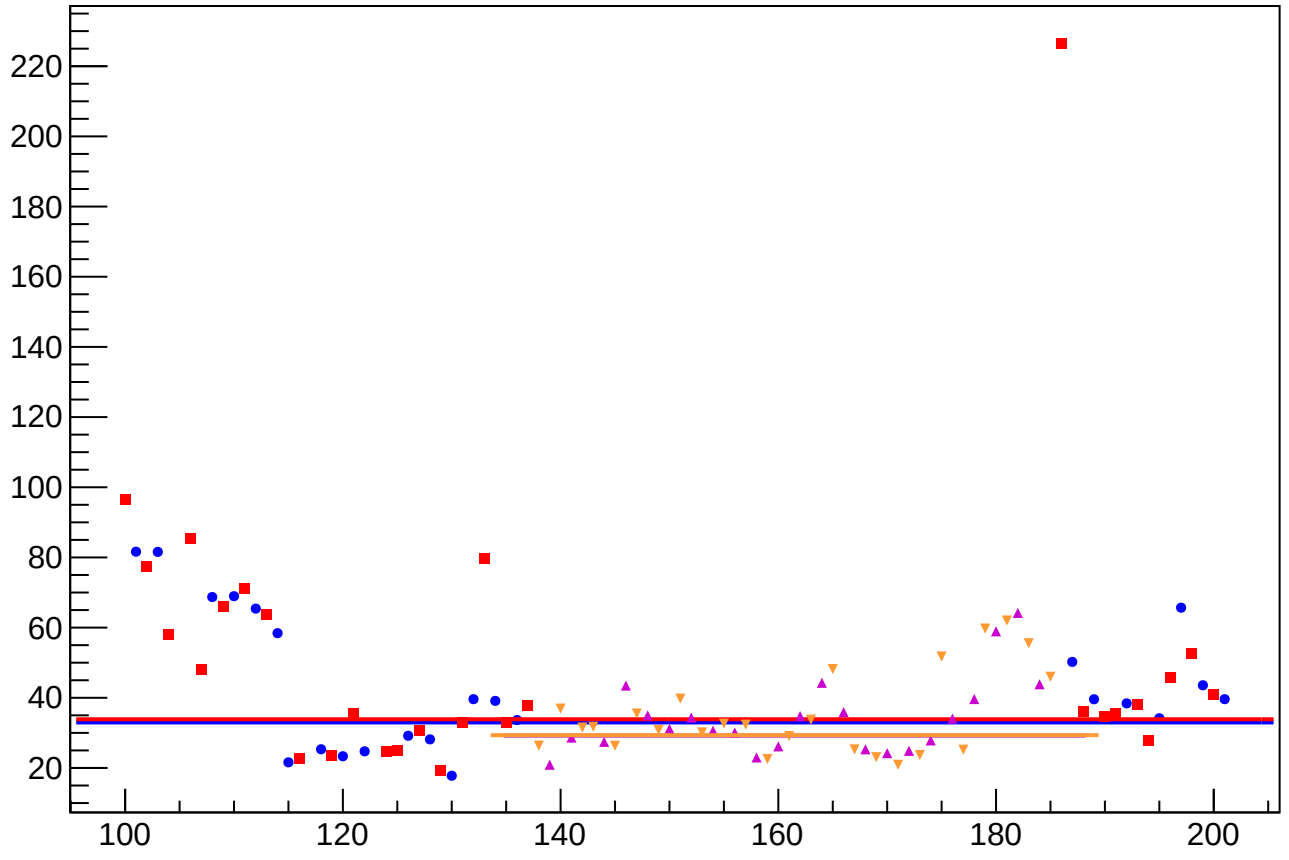
Right Out: 0.005+/-0.010 χ^2/NDF: 18.8/27

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: 103.6/98

- sign -0.002+/-0.006 χ^2/NDF: 50.6/50



Right In: 32.970+/-0.007 χ^2/NDF: 3215789.2/22

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

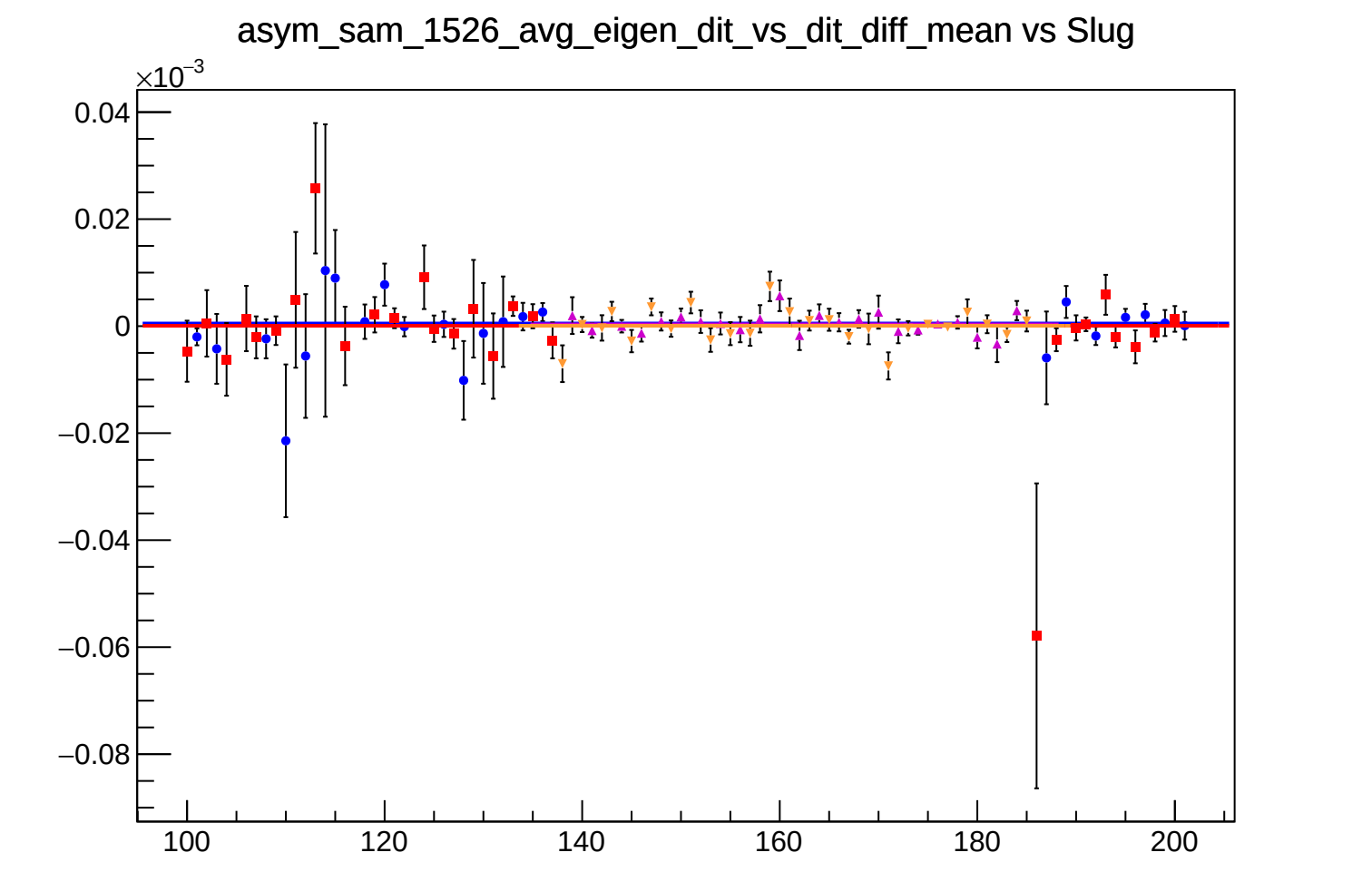
Right Out: 33.883+/-0.007 χ^2/NDF: 3698247.7/27

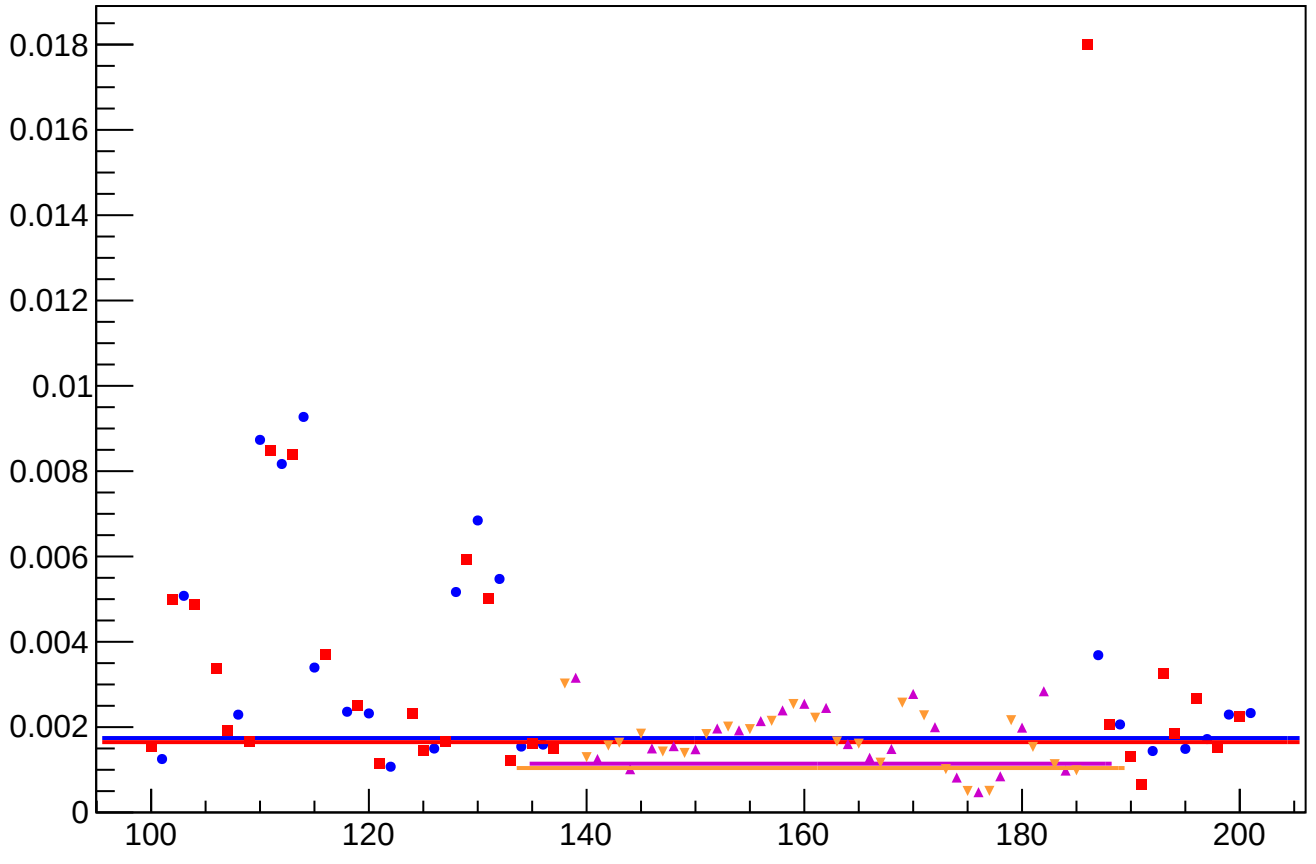
Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.484+/-0.004 χ^2/NDF: 6067909.7/47

All: 30.631+/-0.003 χ^2/NDF: 12140928.2/98

- sign 30.781+/-0.004 χ^2/NDF: 6070487.9/50


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: 28.3/27
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: 108.4/98
- sign 0.000+/-0.000 χ²/NDF: 43.9/50



Right In: 0.002+/-0.000 χ^2/NDF: 4375773.9/22

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

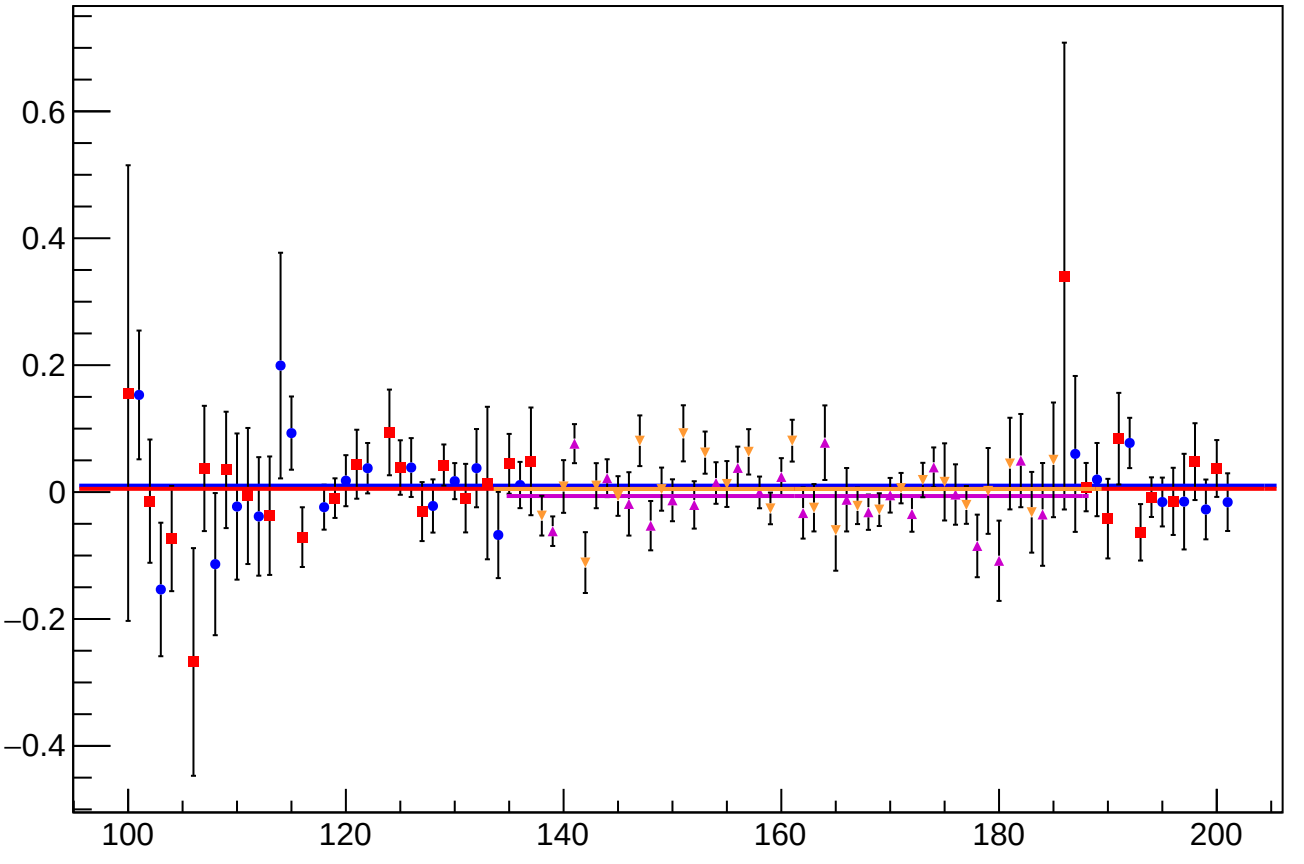
Right Out: 0.002+/-0.000 χ^2/NDF: 6541421.0/27

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: 33044787.3/98

- sign 0.001+/-0.000 χ^2/NDF: 16210184.6/50



Right In: 0.010+/-0.010 χ^2/NDF: 17.7/22

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

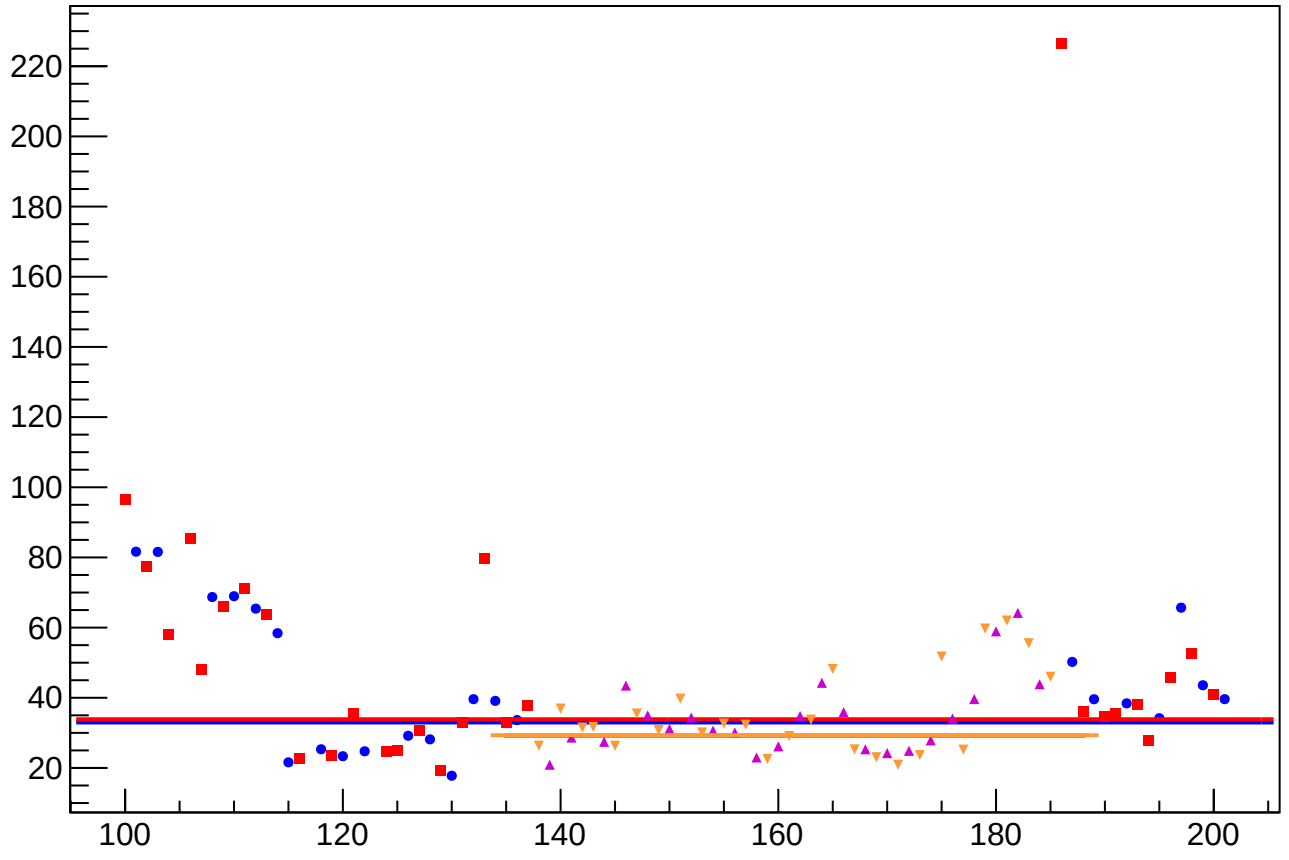
Right Out: 0.005+/-0.010 χ^2/NDF: 18.8/27

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: 103.6/98

- sign -0.002+/-0.006 χ^2/NDF: 50.6/50



Right In: 32.969+/-0.007 χ^2/NDF: 3216106.8/22

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

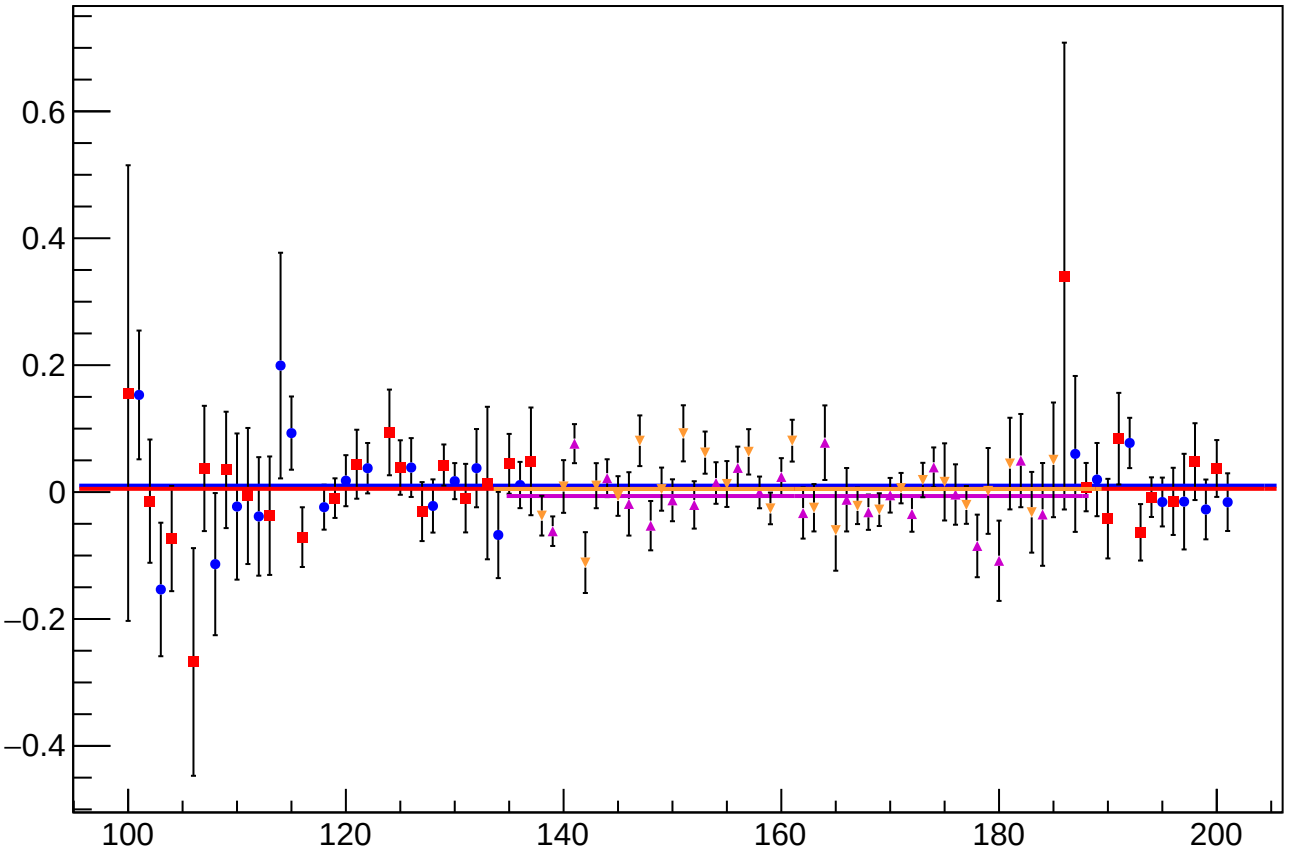
Right Out: 33.882+/-0.007 χ^2/NDF: 3698467.1/27

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.484+/-0.004 χ^2/NDF: 6068164.0/47

All: 30.631+/-0.003 χ^2/NDF: 12141233.0/98

- sign 30.781+/-0.004 χ^2/NDF: 6070534.8/50



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: 18.8/27

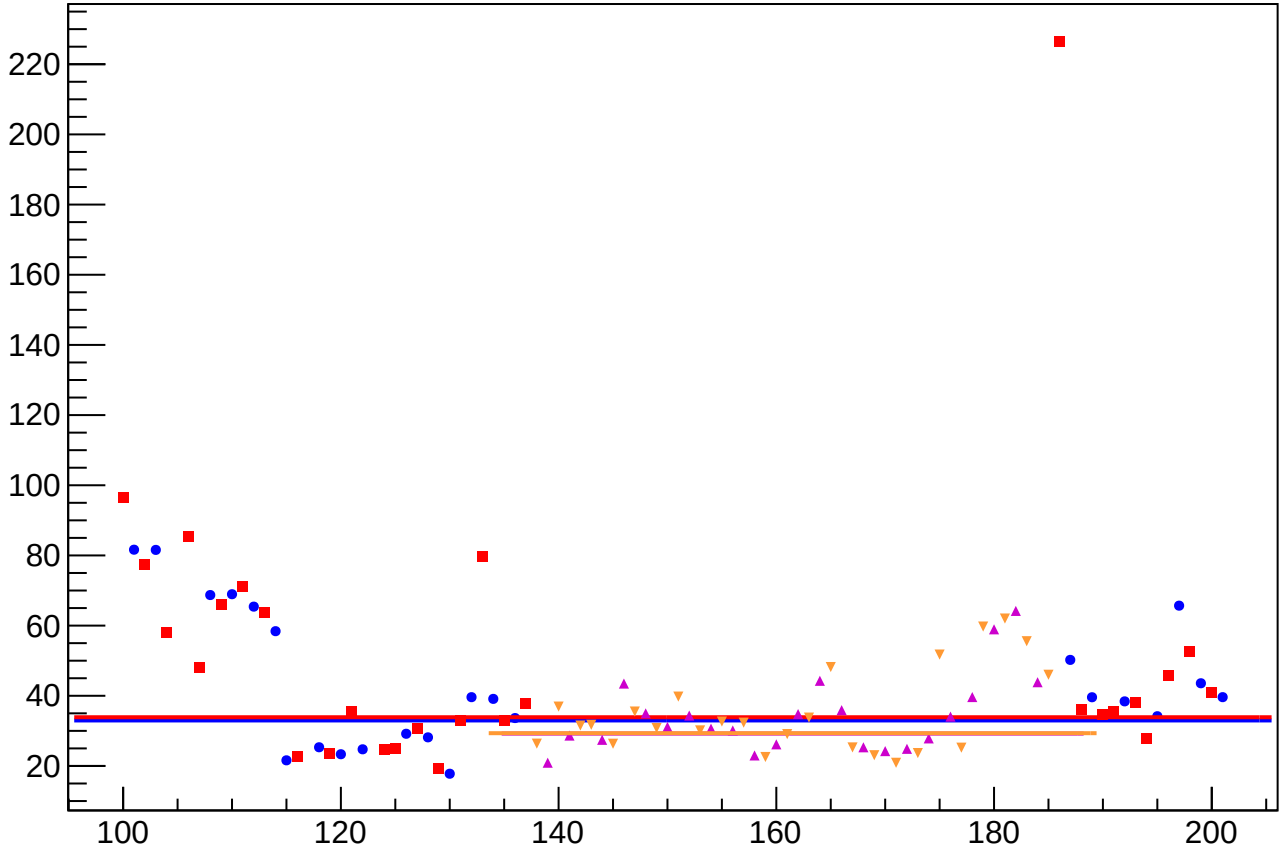
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.9/47

All: 0.002+/-0.004 χ^2/NDF: 103.6/98

- sign -0.002+/-0.006 χ^2/NDF: 50.6/50

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.969+/-0.007 χ^2/NDF: 3216106.8/22

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

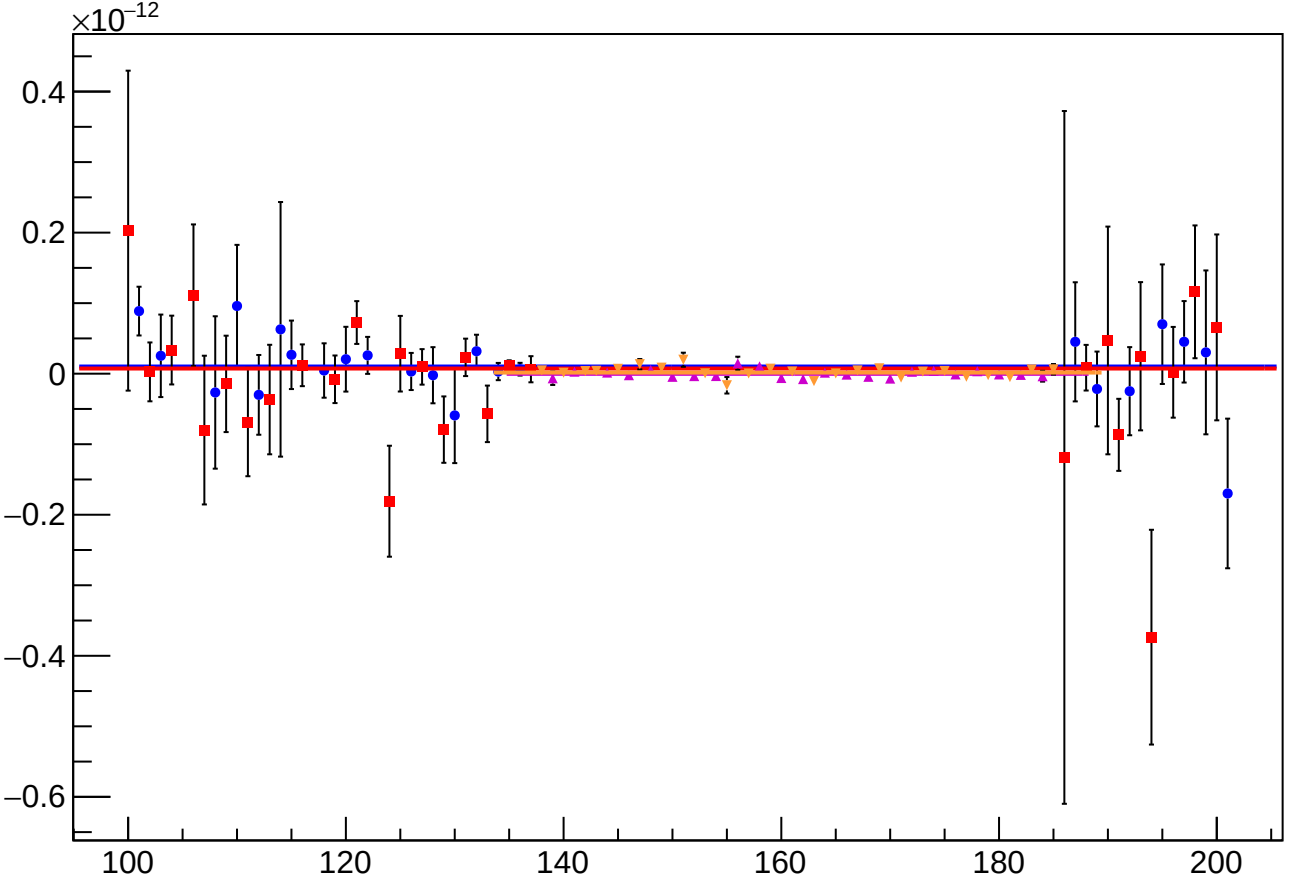
Right Out: 33.882+/-0.007 χ^2/NDF: 3698467.1/27

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.484+/-0.004 χ^2/NDF: 6068164.0/47

All: 30.631+/-0.003 χ^2/NDF: 12141233.0/98

- sign 30.781+/-0.004 χ^2/NDF: 6070534.8/50



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: 32.8/27

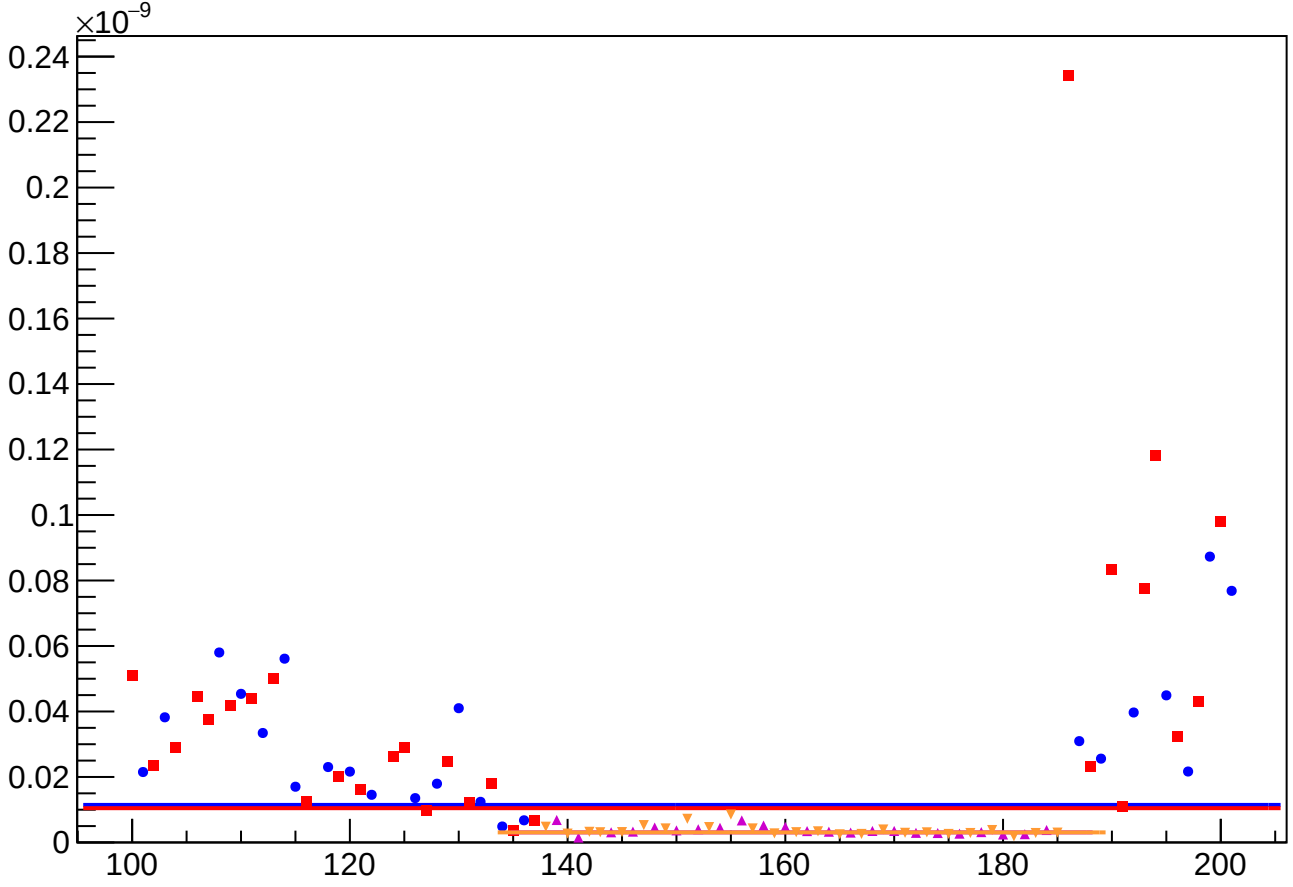
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.8/47

All: 0.000+/-0.000 χ^2/NDF: 106.7/98

- sign -0.000+/-0.000 χ^2/NDF: 53.0/50

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug



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: 8925328.1/27

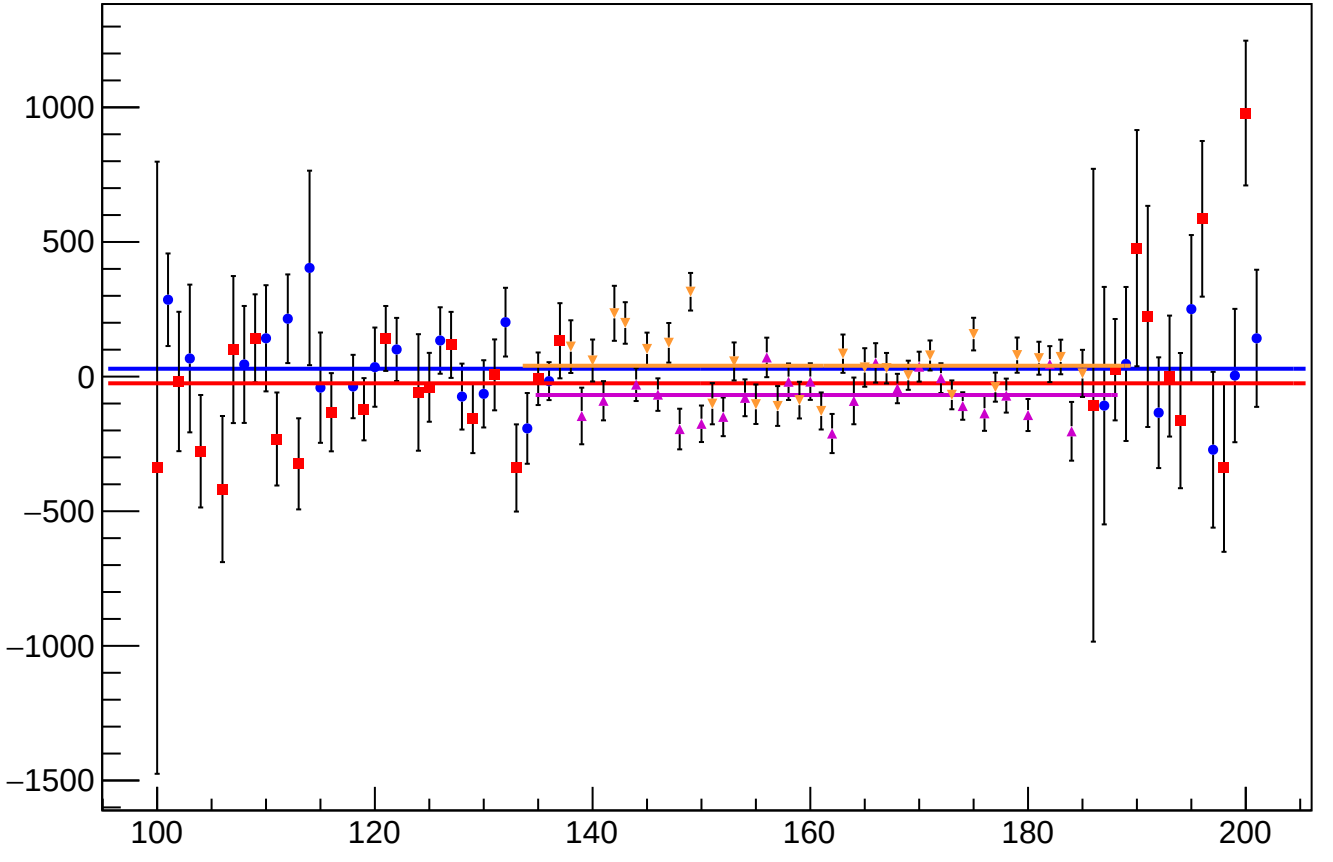
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12268460.1/47

All: 0.000+/-0.000 χ^2/NDF: 26575364.2/98

- sign 0.000+/-0.000 χ^2/NDF: 14306898.5/50

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: -24.899+/-32.693 χ^2/NDF: 41.6/27

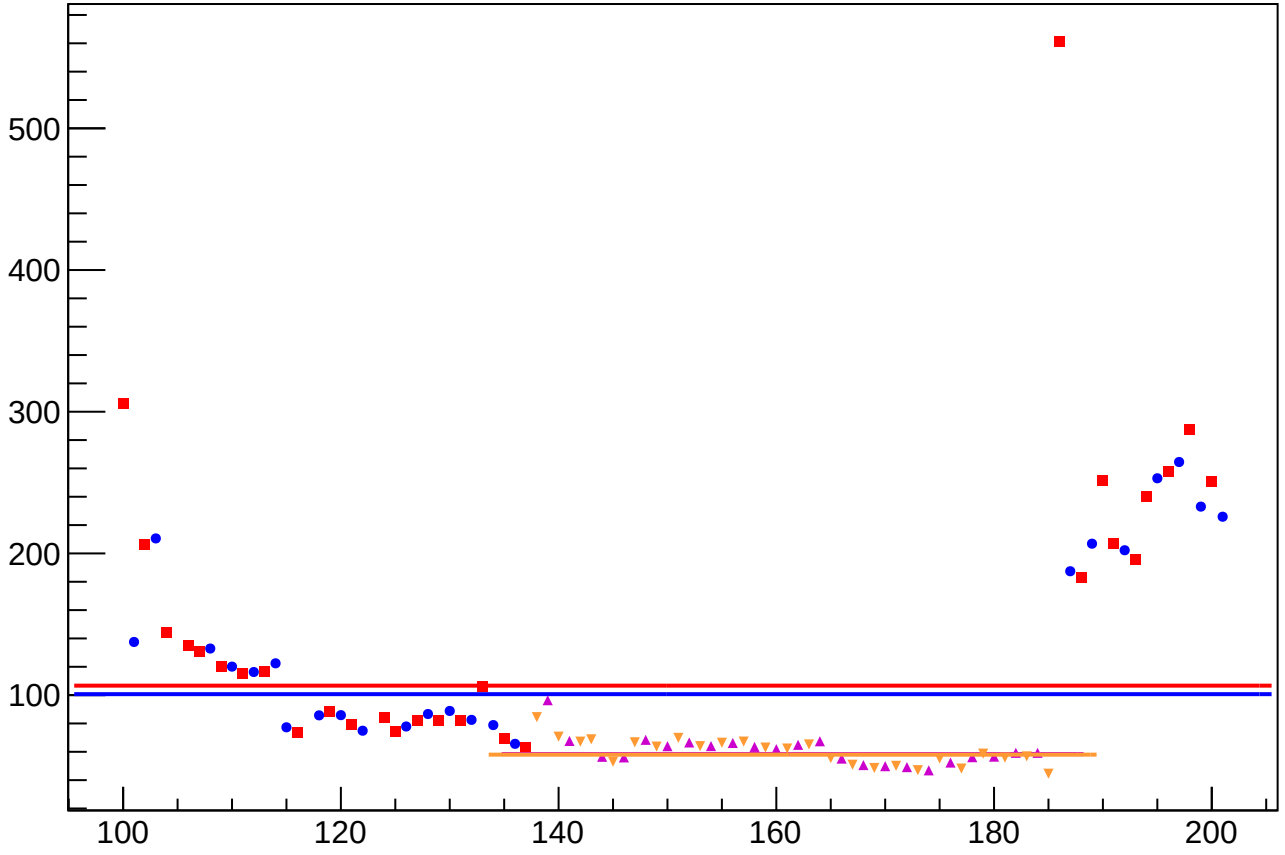
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 38.690+/-12.369 χ^2/NDF: 75.0/47

All: -9.930+/-8.883 χ^2/NDF: 181.8/98

- sign -61.721+/-12.765 χ^2/NDF: 74.9/50

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

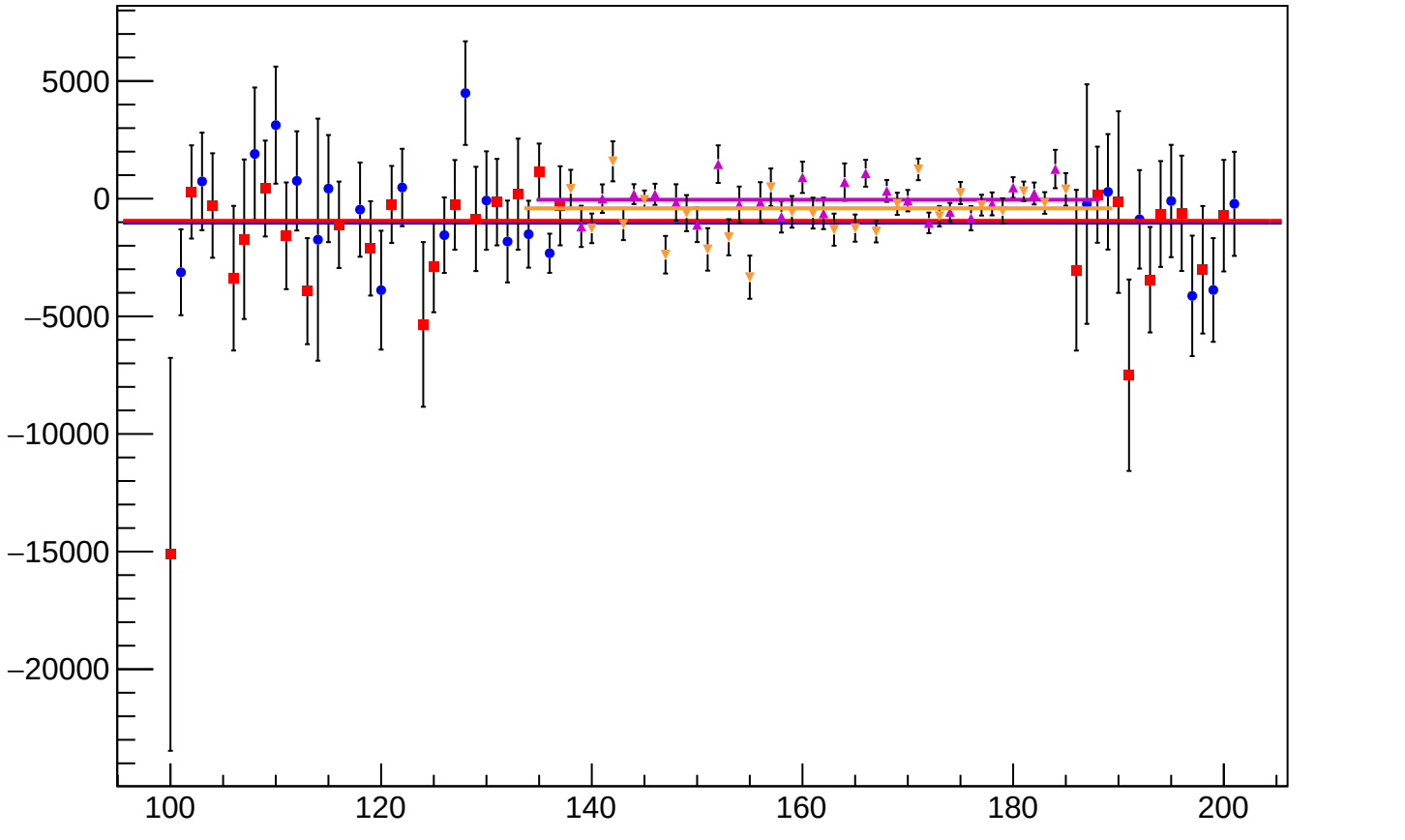
Right Out: 106.685+/-0.023 χ^2/NDF: 5465282.9/27

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 64.323+/-0.009 χ^2/NDF: 8347056.0/47

All: 65.018+/-0.006 χ^2/NDF: 18258540.4/98

- sign 65.759+/-0.009 χ^2/NDF: 9898439.7/50



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: -941.570+/-411.779 χ^2/NDF: 18.4/27

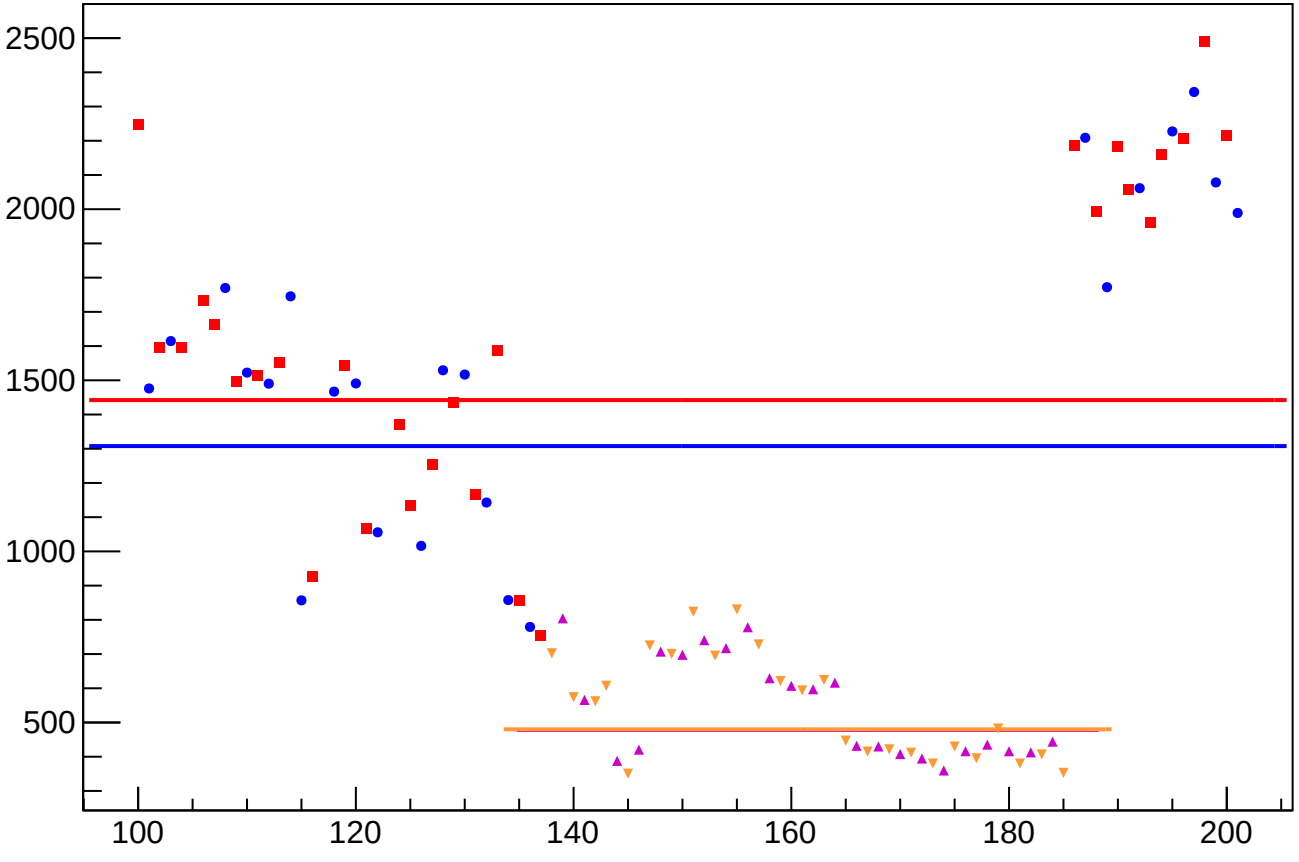
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -452.387+/-109.118 χ^2/NDF: 87.7/47

All: -285.057+/-77.968 χ^2/NDF: 146.3/98

- sign -110.515+/-111.445 χ^2/NDF: 53.8/50

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: 1442.242+/-0.291 χ^2/NDF: 2653576.2/27

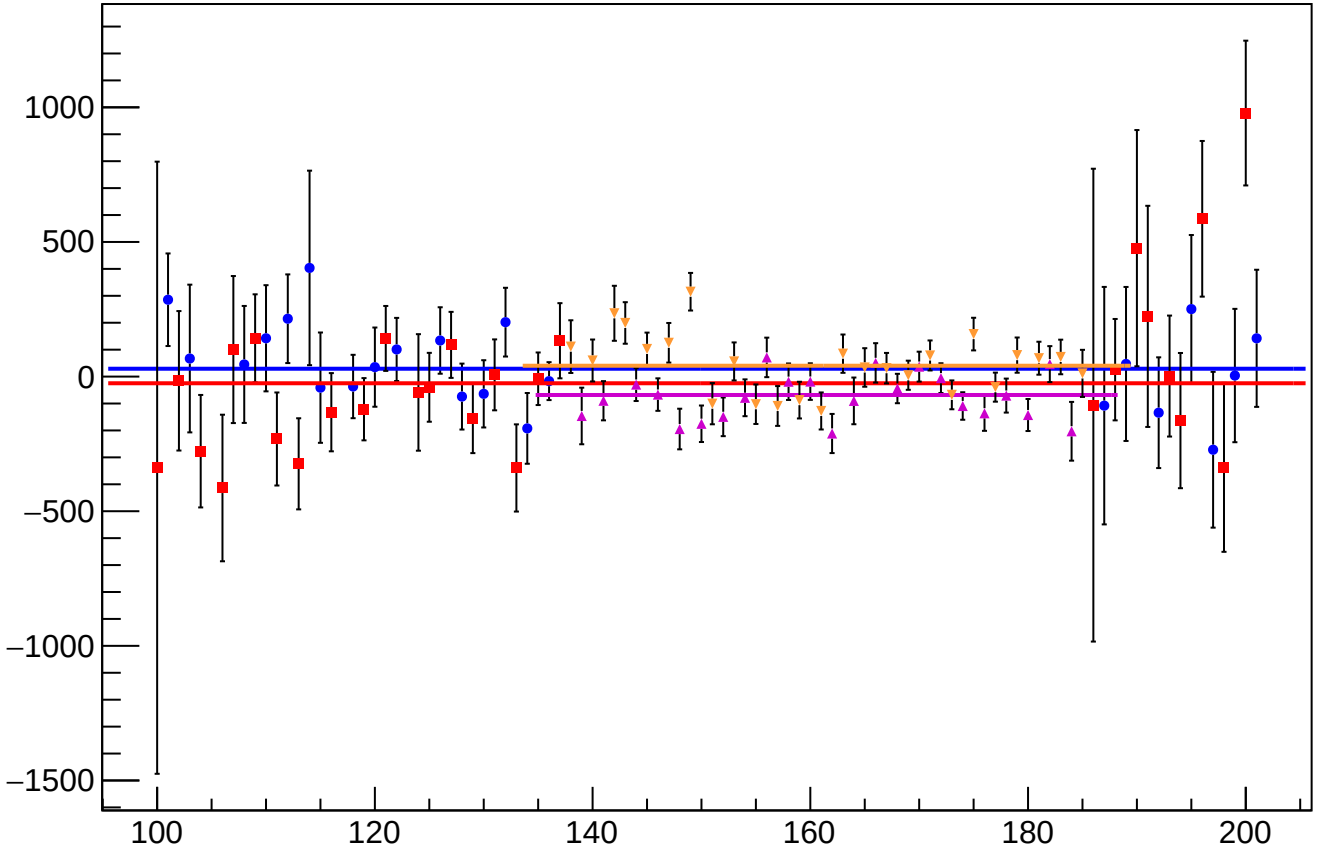
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 542.392+/-0.077 χ^2/NDF: 13472506.4/47

All: 545.482+/-0.055 χ^2/NDF: 28506496.3/98

- sign 548.705+/-0.079 χ^2/NDF: 15030712.6/50

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: -24.765+/-32.695 χ^2/NDF: 41.5/27

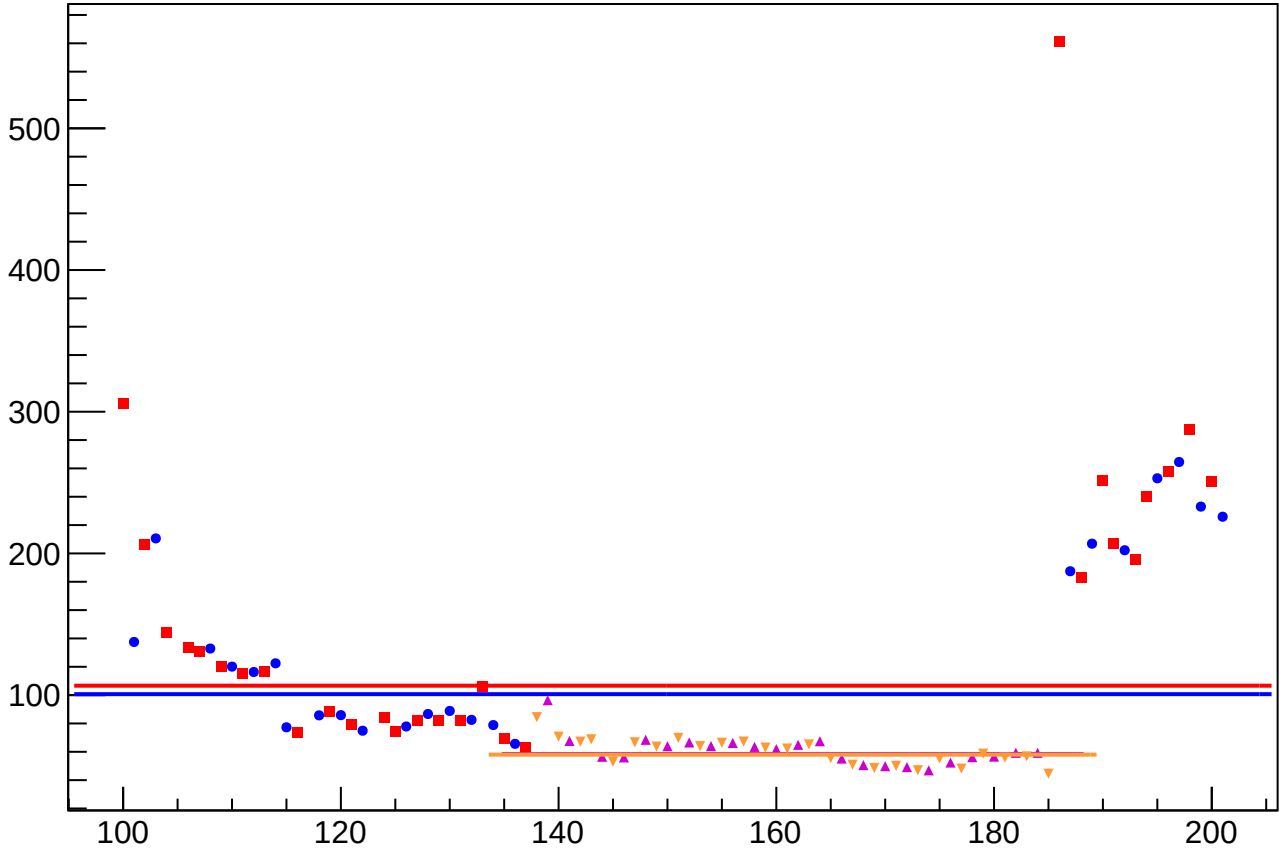
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.690+/-12.369 χ^2/NDF: 75.0/47

All: -9.920+/-8.883 χ^2/NDF: 181.7/98

- sign -61.700+/-12.766 χ^2/NDF: 74.8/50

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

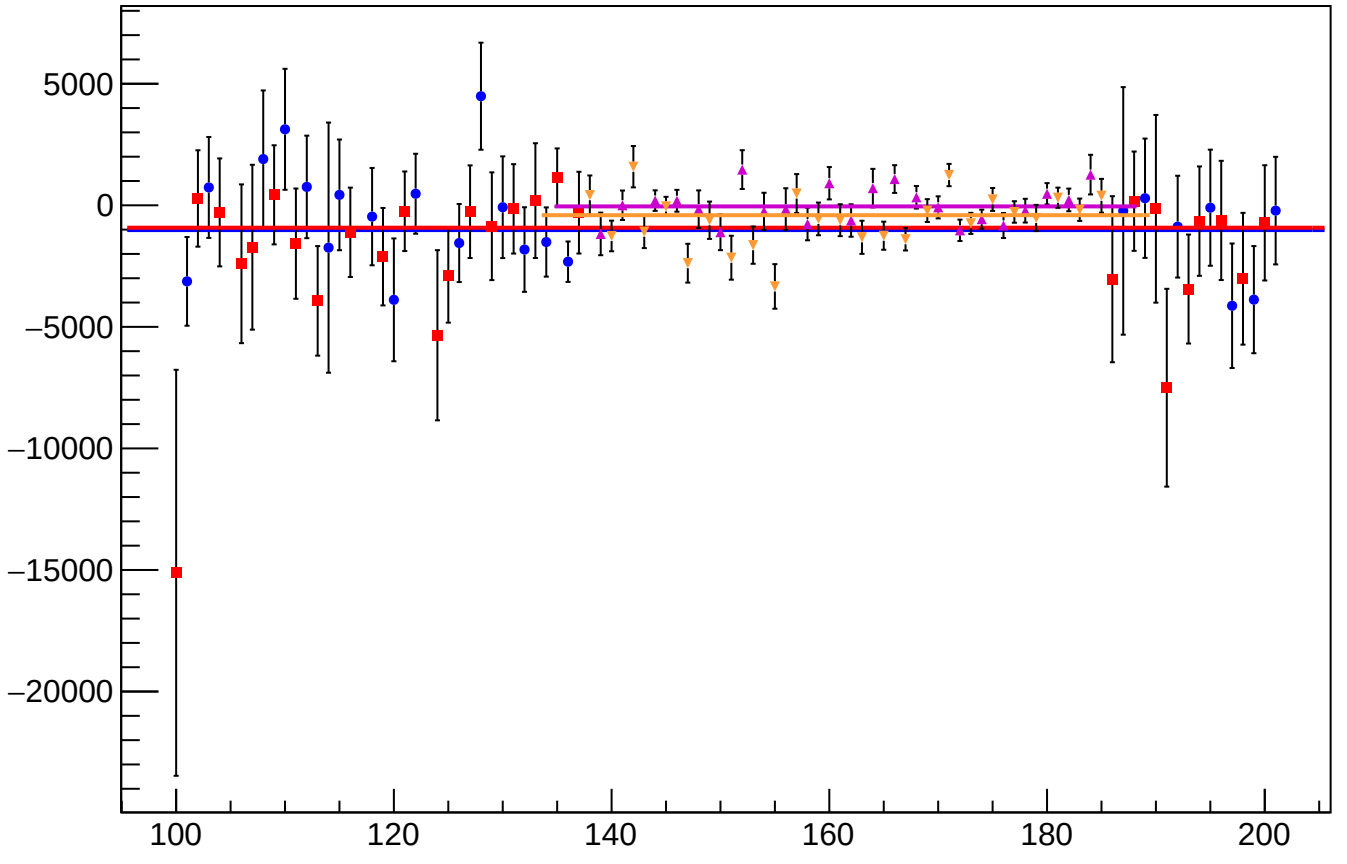
Right Out: 106.654+/-0.023 χ^2/NDF: 5462553.0/27

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 64.323+/-0.009 χ^2/NDF: 8347058.2/47

All: 65.016+/-0.006 χ^2/NDF: 18250654.6/98

- sign 65.753+/-0.009 χ^2/NDF: 9890649.4/50



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: -921.393+/-412.213 χ^2/NDF: 17.9/27

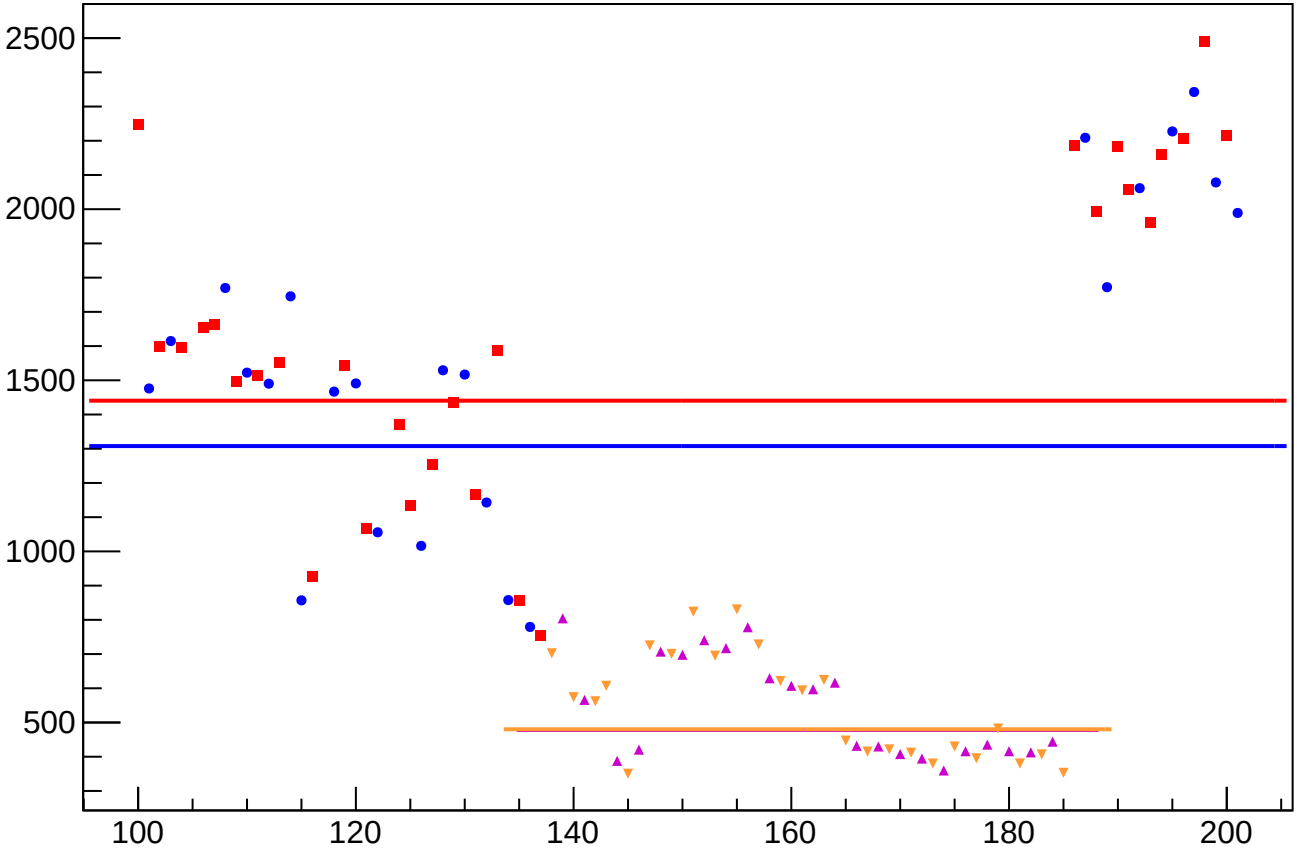
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

\+ sign -452.383+/-109.118 χ^2/NDF: 87.7/47

All: -284.283+/-77.971 χ^2/NDF: 145.7/98

\- sign -108.911+/-111.453 χ^2/NDF: 53.2/50

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: 1440.442+/-0.291 χ^2/NDF: 2644278.2/27

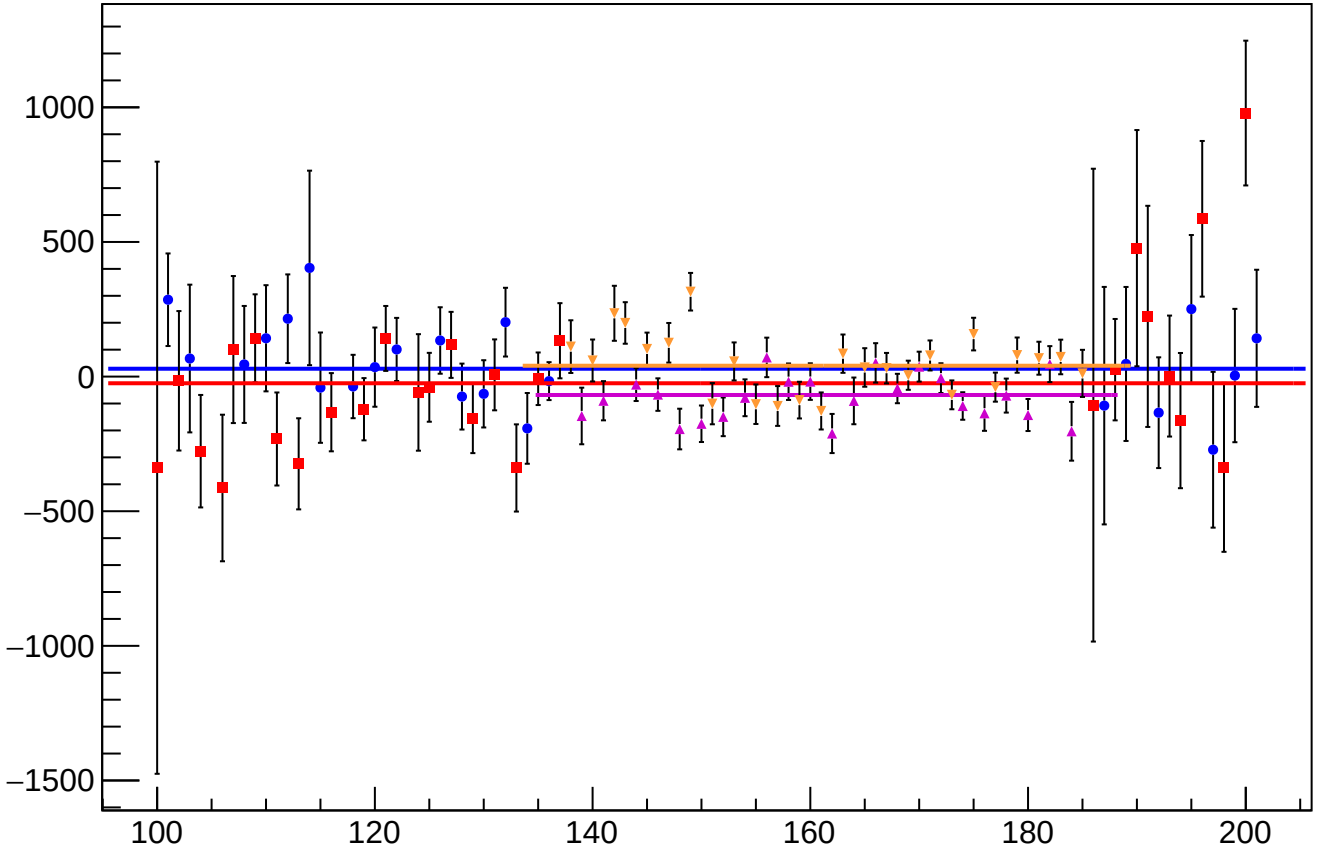
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 542.392+/-0.077 χ^2/NDF: 13472534.5/47

All: 545.350+/-0.055 χ^2/NDF: 28439296.8/98

- sign 548.436+/-0.079 χ^2/NDF: 14963758.5/50

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: -24.765+/-32.695 χ^2/NDF: 41.5/27

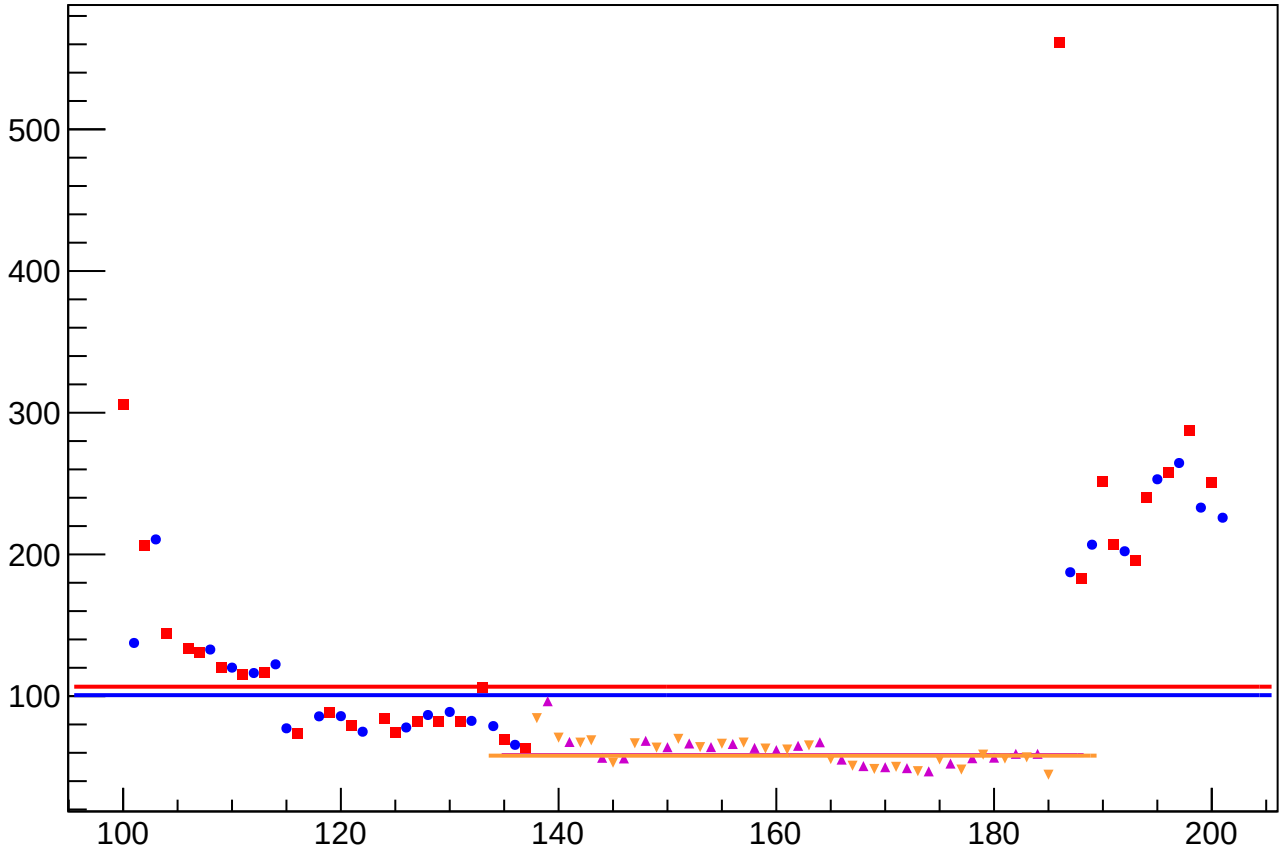
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.690+/-12.369 χ^2/NDF: 75.0/47

All: -9.920+/-8.883 χ^2/NDF: 181.7/98

- sign -61.700+/-12.766 χ^2/NDF: 74.8/50

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

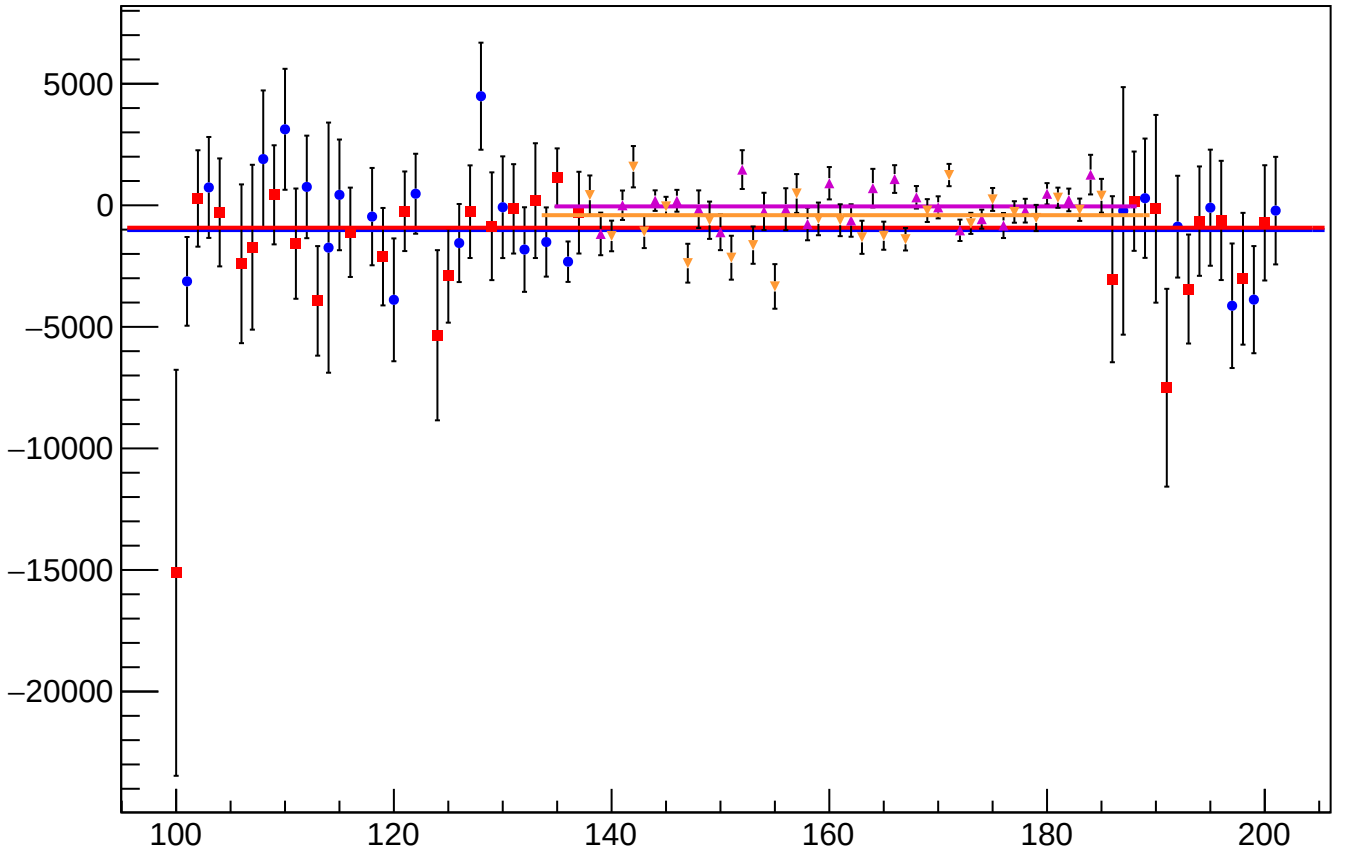
Right Out: 106.654+/-0.023 χ^2/NDF: 5462553.0/27

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 64.323+/-0.009 χ^2/NDF: 8347058.2/47

All: 65.016+/-0.006 χ^2/NDF: 18250654.6/98

- sign 65.753+/-0.009 χ^2/NDF: 9890649.4/50



Right In: -1018.923+/-397.932 χ^2/NDF: 22.3/22

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

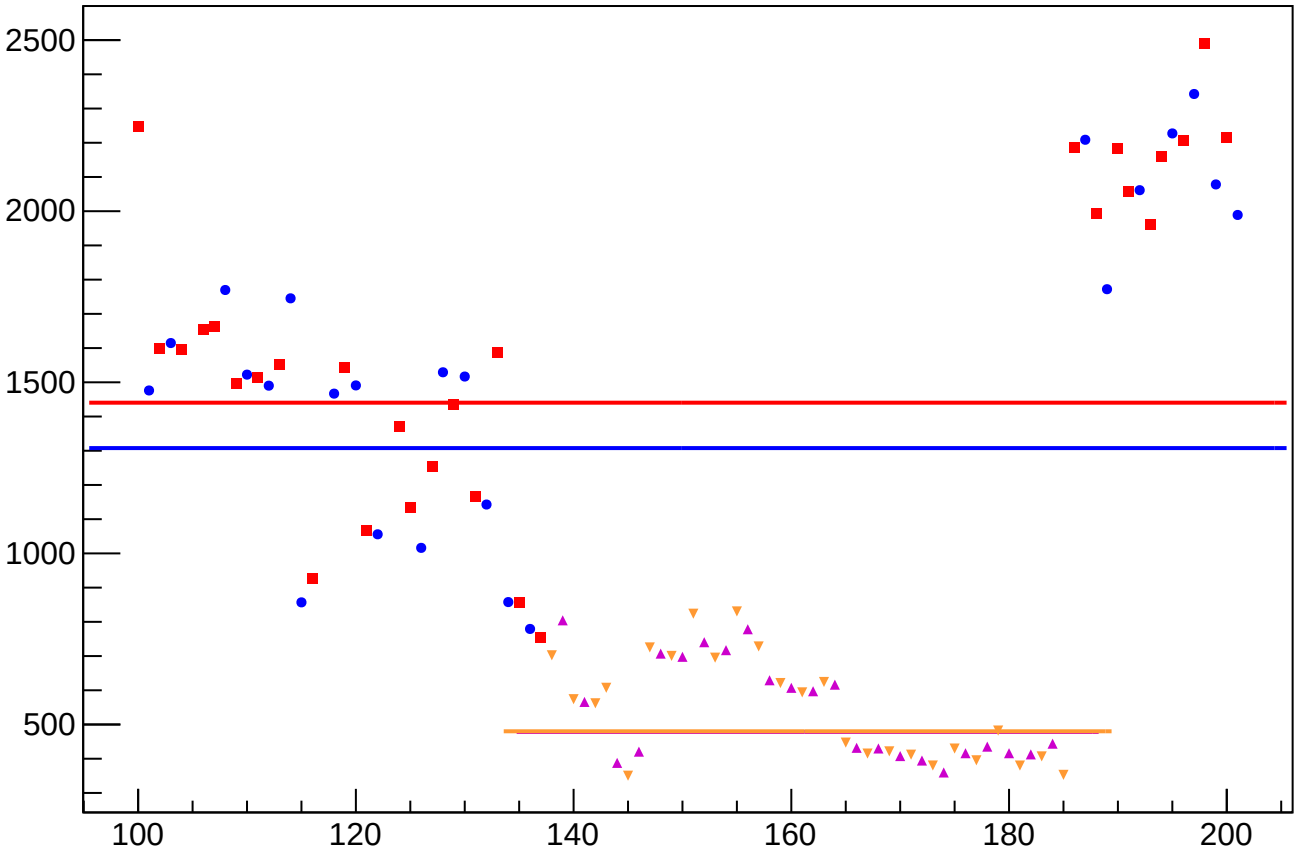
Right Out: -921.393+/-412.213 χ^2/NDF: 17.9/27

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

\+ sign -452.383+/-109.118 χ^2/NDF: 87.7/47

All: -284.283+/-77.971 χ^2/NDF: 145.7/98

\- sign -108.911+/-111.453 χ^2/NDF: 53.2/50



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: 1440.442+/-0.291 χ^2/NDF: 2644278.2/27

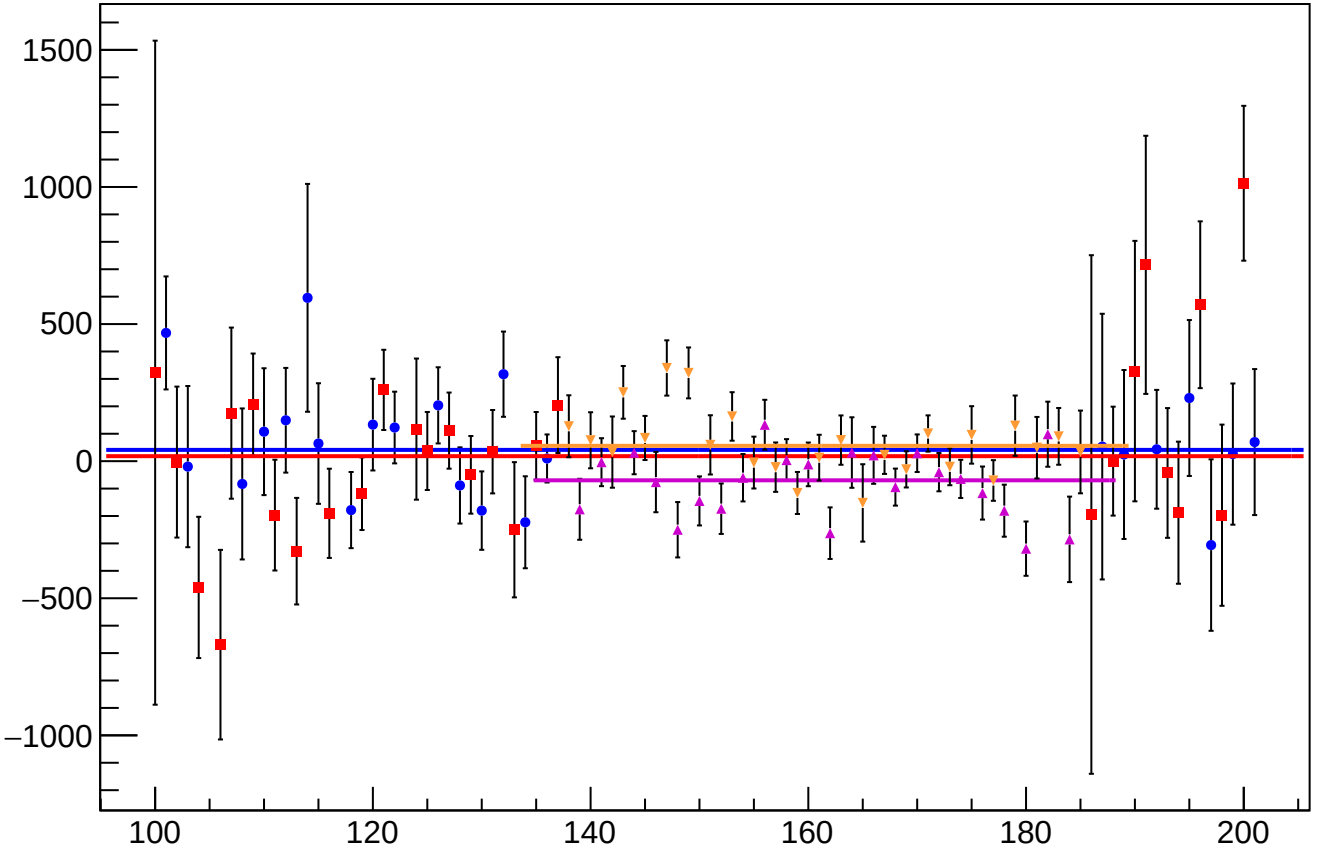
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 542.392+/-0.077 χ^2/NDF: 13472534.5/47

All: 545.350+/-0.055 χ^2/NDF: 28439296.8/98

- sign 548.436+/-0.079 χ^2/NDF: 14963758.5/50

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: 18.223+/-37.964 χ^2/NDF: 41.3/27

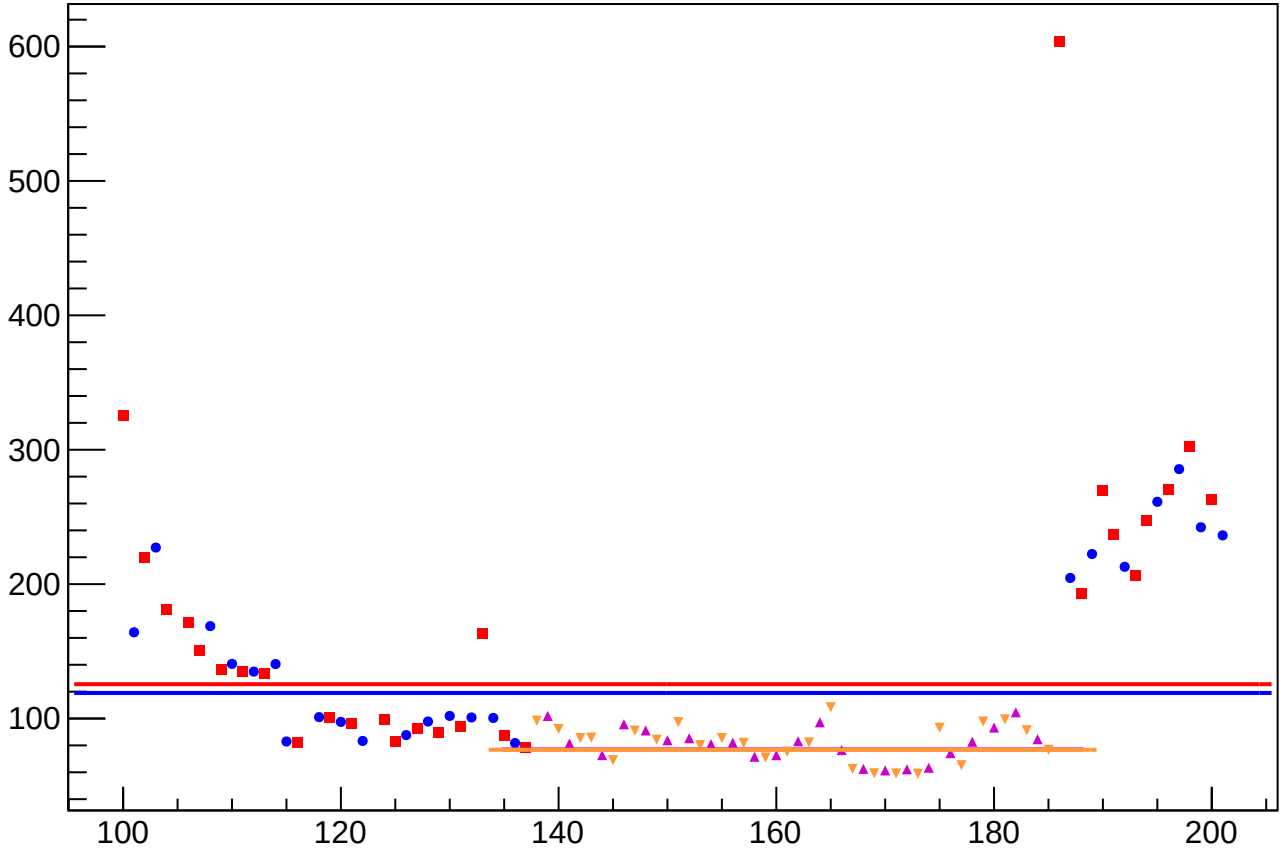
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.176+/-16.183 χ^2/NDF: 60.4/47

All: 1.553+/-11.597 χ^2/NDF: 161.6/98

- sign -52.949+/-16.628 χ^2/NDF: 80.2/50

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: 125.536+/-0.027 χ^2/NDF: 4863917.1/27

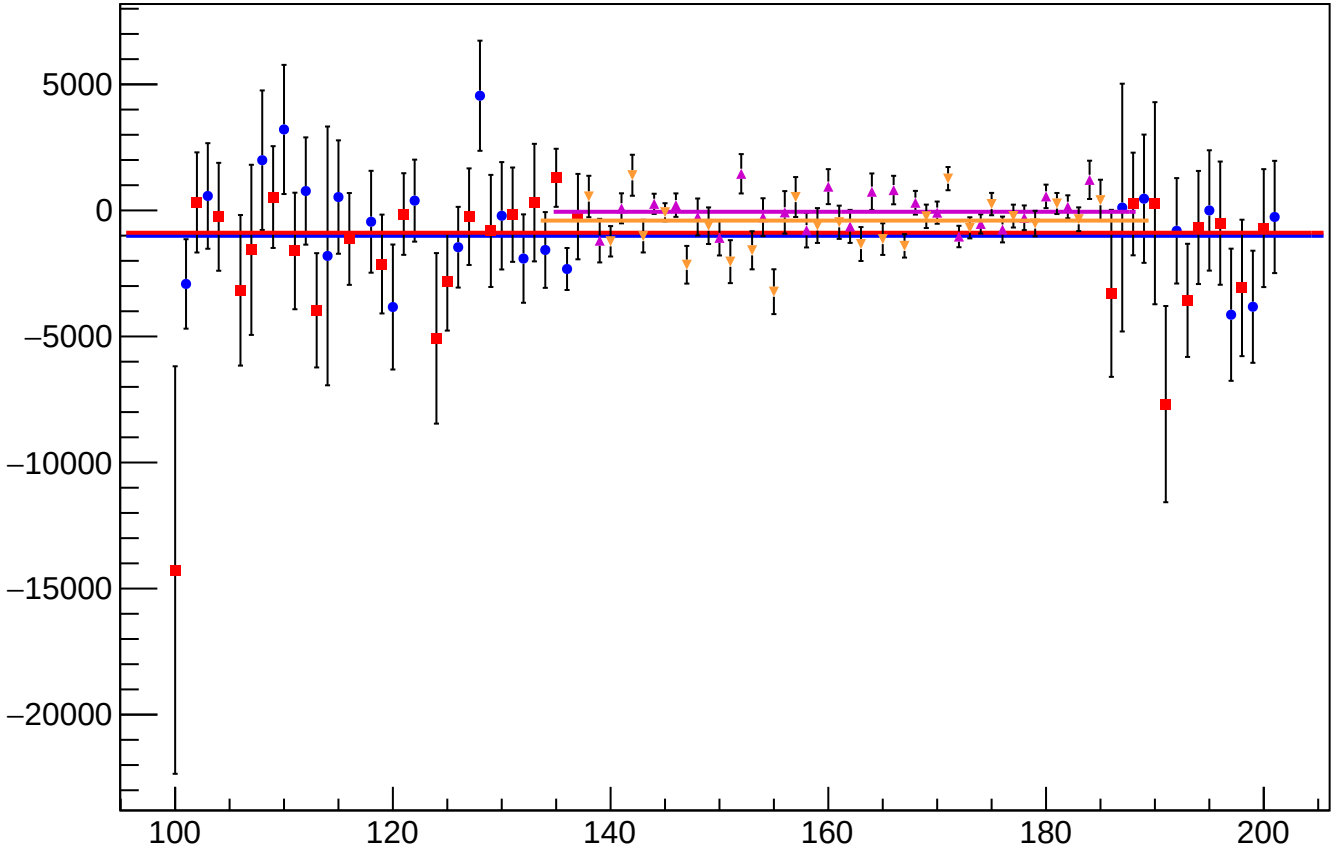
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 84.655+/-0.011 χ^2/NDF: 7217671.4/47

All: 85.468+/-0.008 χ^2/NDF: 15590749.8/98

- sign 86.326+/-0.012 χ^2/NDF: 8362708.6/50

asym_sam_3726_avg_dit_correction_mean vs Slug



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: -885.756+/-408.070 χ^2/NDF: 19.8/27

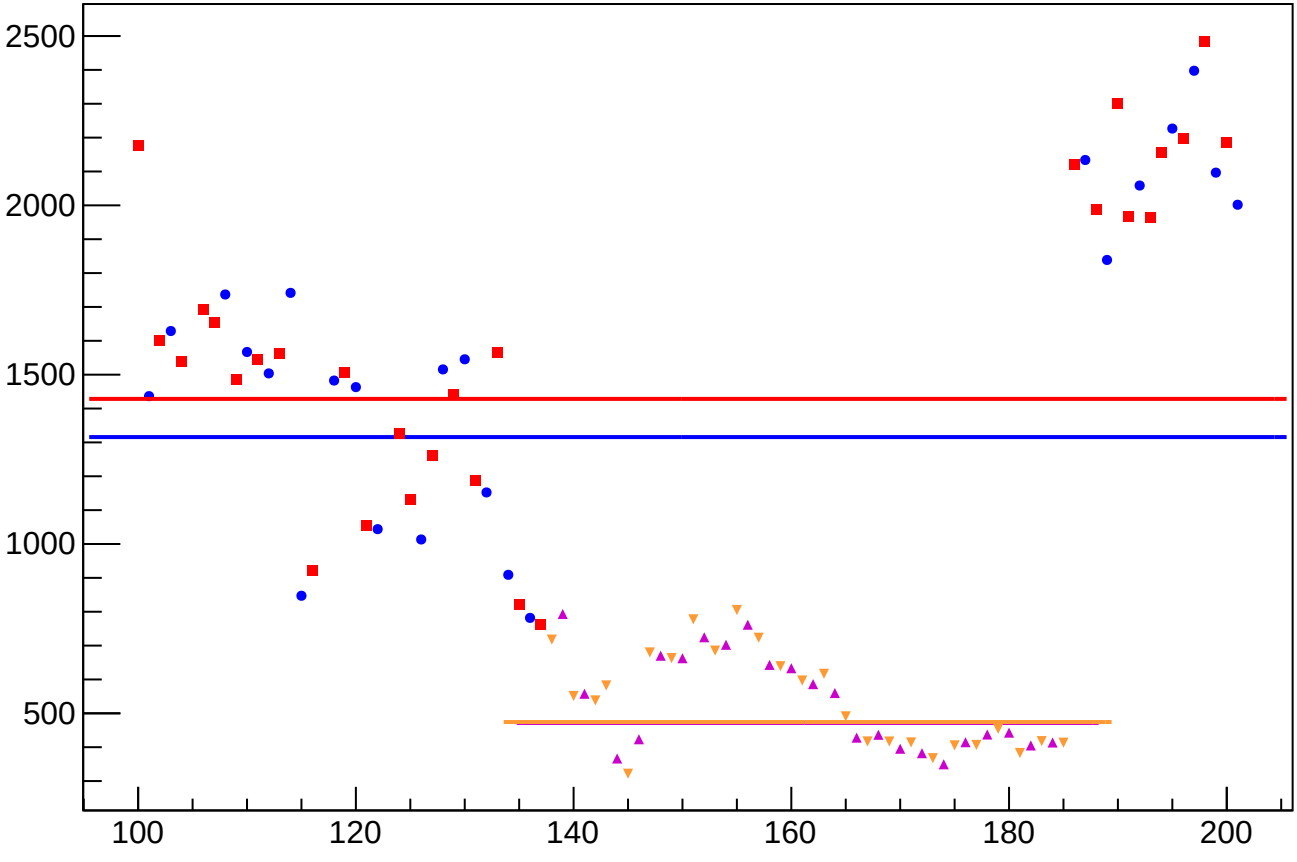
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -447.083+/-107.648 χ^2/NDF: 85.1/47

All: -284.432+/-76.935 χ^2/NDF: 144.0/98

- sign -114.611+/-109.995 χ^2/NDF: 54.3/50

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: 1428.472+/-0.289 χ^2/NDF: 2716934.5/27

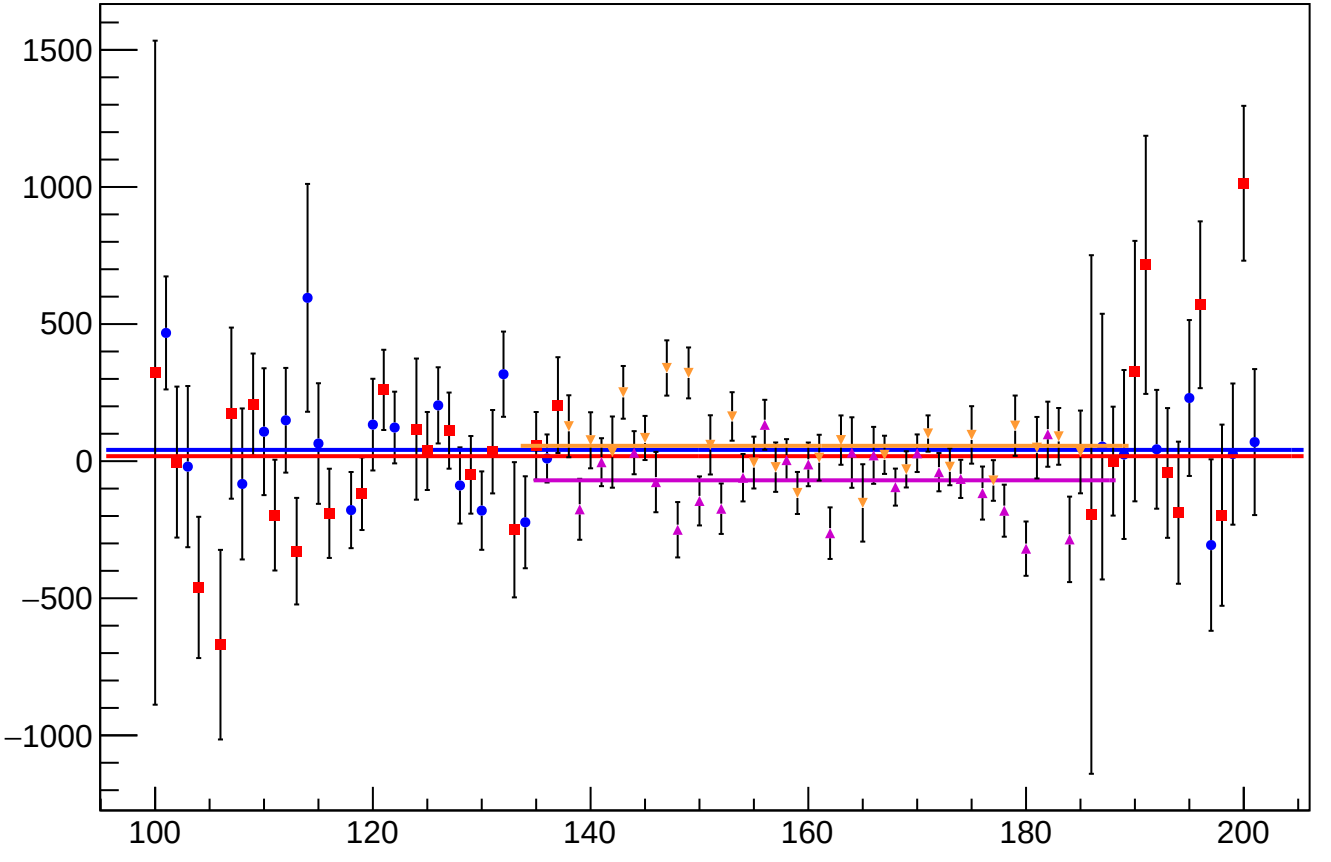
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 535.253+/-0.076 χ^2/NDF: 13621218.6/47

All: 538.060+/-0.054 χ^2/NDF: 28751211.0/98

- sign 540.990+/-0.078 χ^2/NDF: 15127213.2/50

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: 18.225+/-37.964 χ^2/NDF: 41.3/27

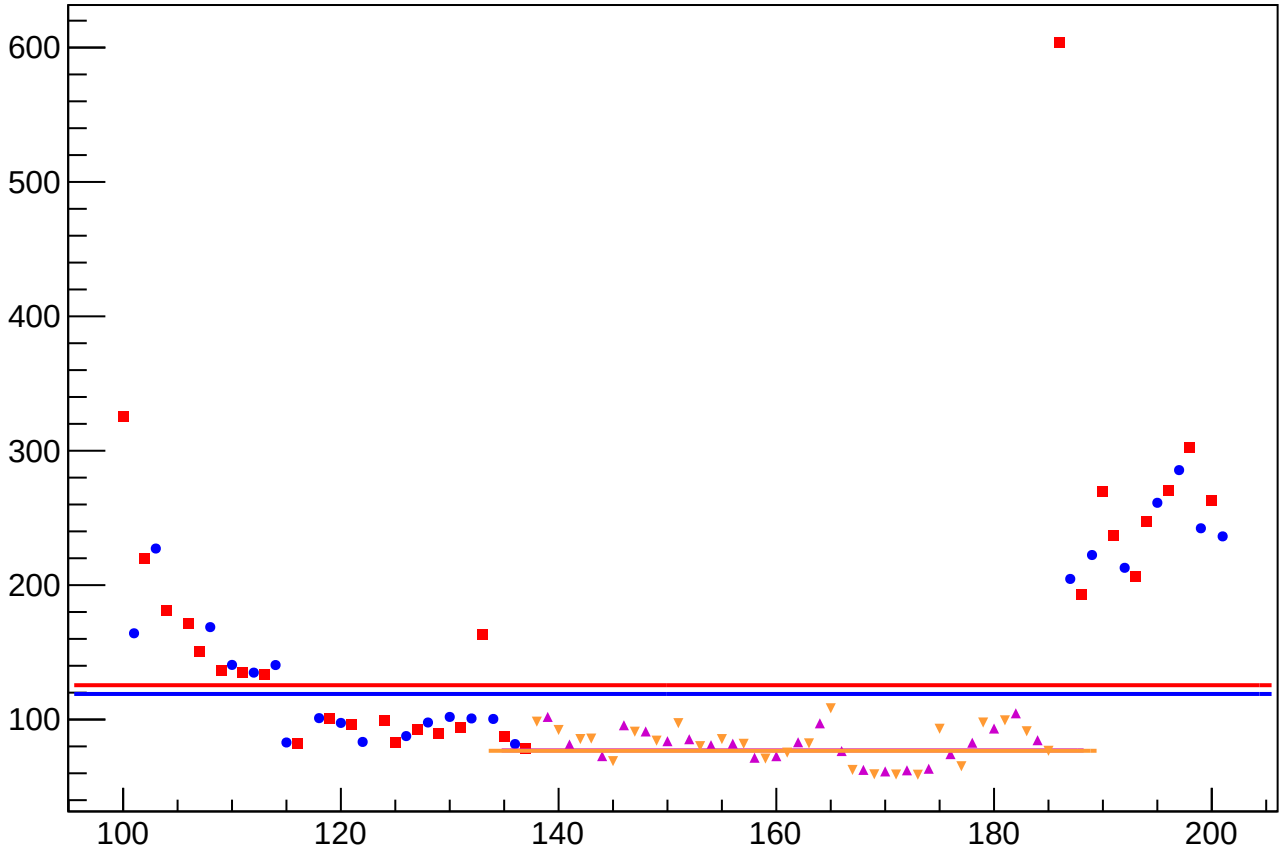
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.175+/-16.183 χ^2/NDF: 60.4/47

All: 1.553+/-11.597 χ^2/NDF: 161.6/98

- sign -52.948+/-16.628 χ^2/NDF: 80.2/50

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

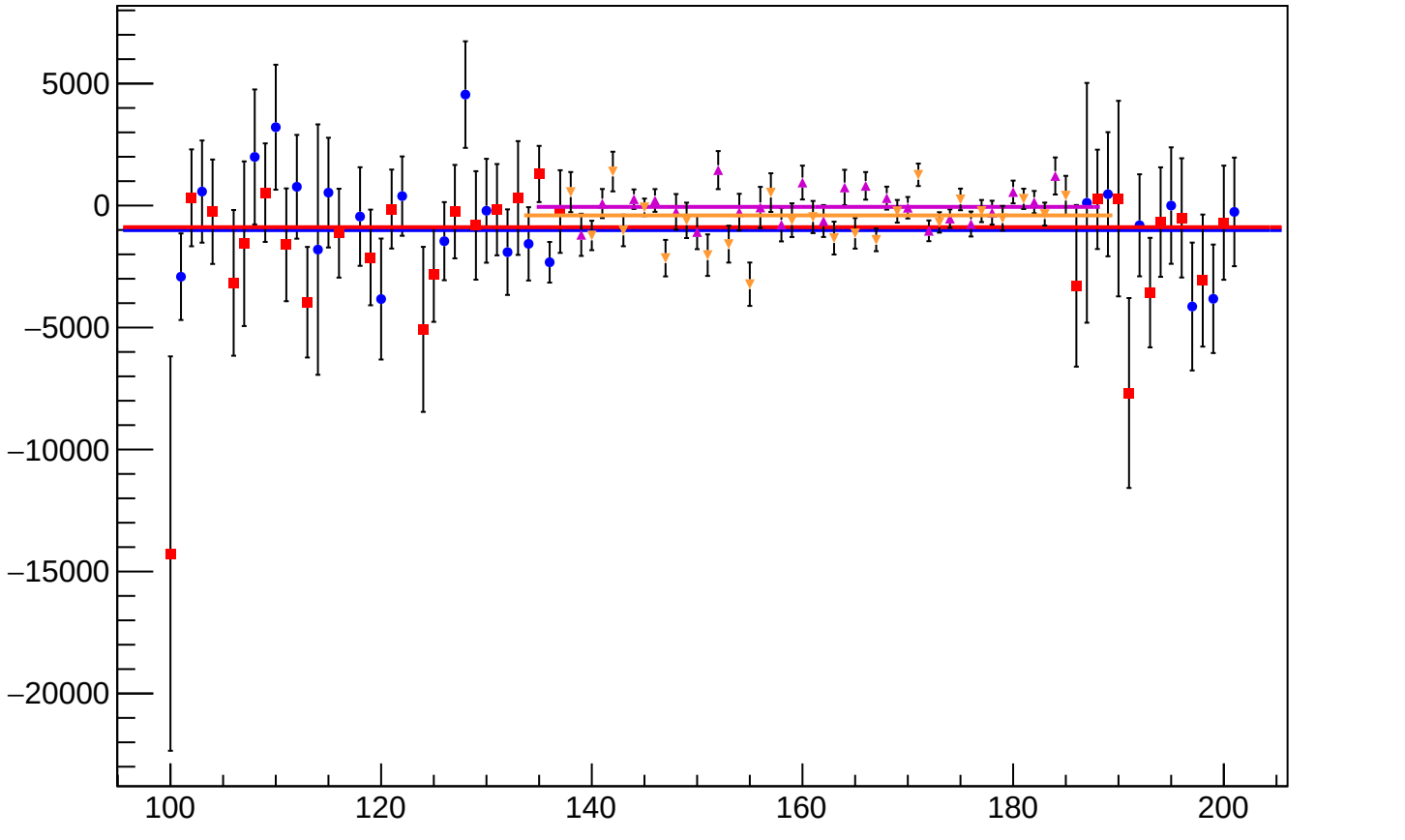
Right Out: 125.536+/-0.027 χ^2/NDF: 4863923.8/27

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 84.655+/-0.011 χ^2/NDF: 7217628.8/47

All: 85.468+/-0.008 χ^2/NDF: 15590663.2/98

- sign 86.326+/-0.012 χ^2/NDF: 8362664.2/50



Right In: -1006.682+/-399.944 χ^2/NDF: 22.2/22

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

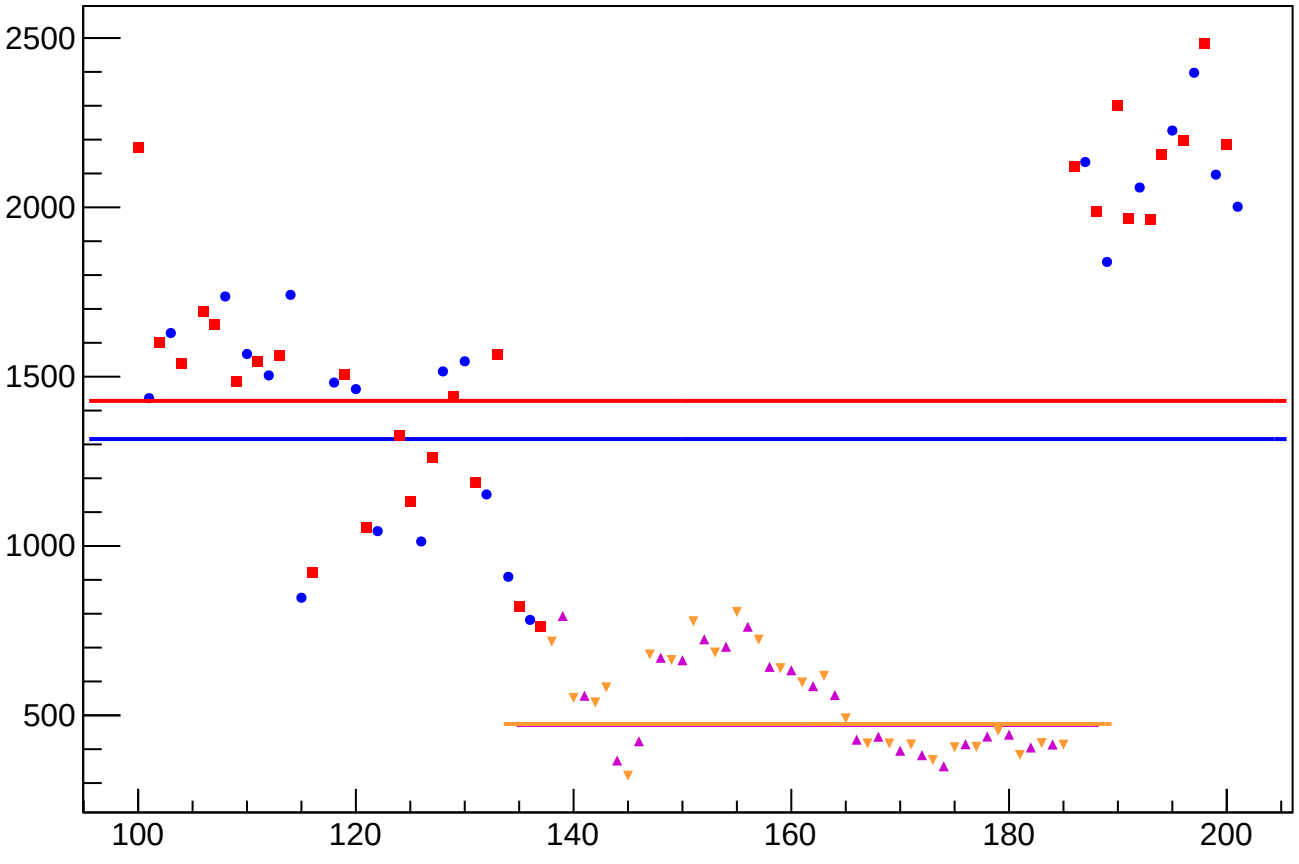
Right Out: -885.756+/-408.069 χ^2/NDF: 19.8/27

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -447.082+/-107.648 χ^2/NDF: 85.1/47

All: -284.432+/-76.935 χ^2/NDF: 144.0/98

- sign -114.612+/-109.995 χ^2/NDF: 54.3/50



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: 1428.470+/-0.289 χ^2/NDF: 2716930.9/27

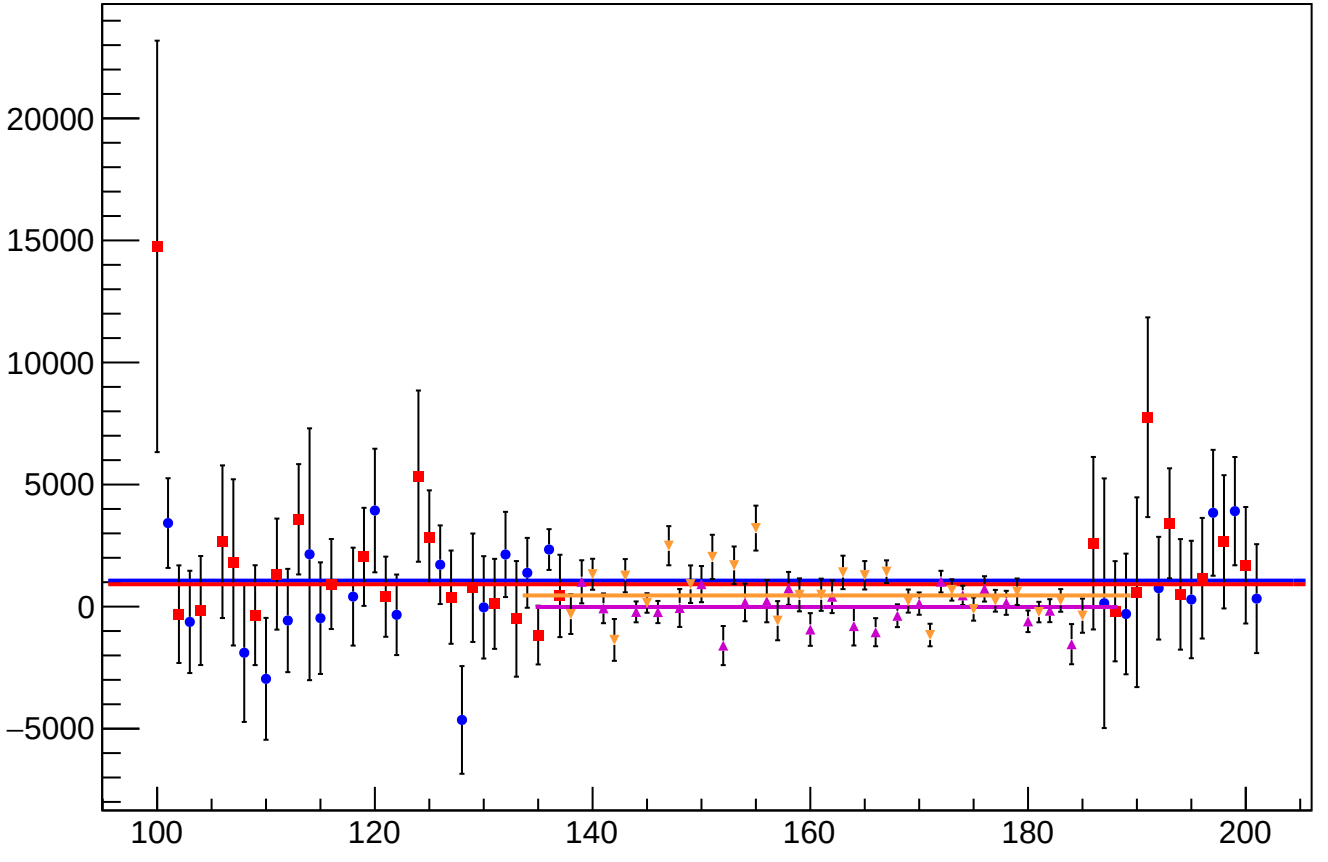
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 535.253+/-0.076 χ^2/NDF: 13621211.3/47

All: 538.060+/-0.054 χ^2/NDF: 28751185.0/98

- sign 540.990+/-0.078 χ^2/NDF: 15127194.4/50

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: 916.064+/-413.700 χ^2/NDF: 17.3/27

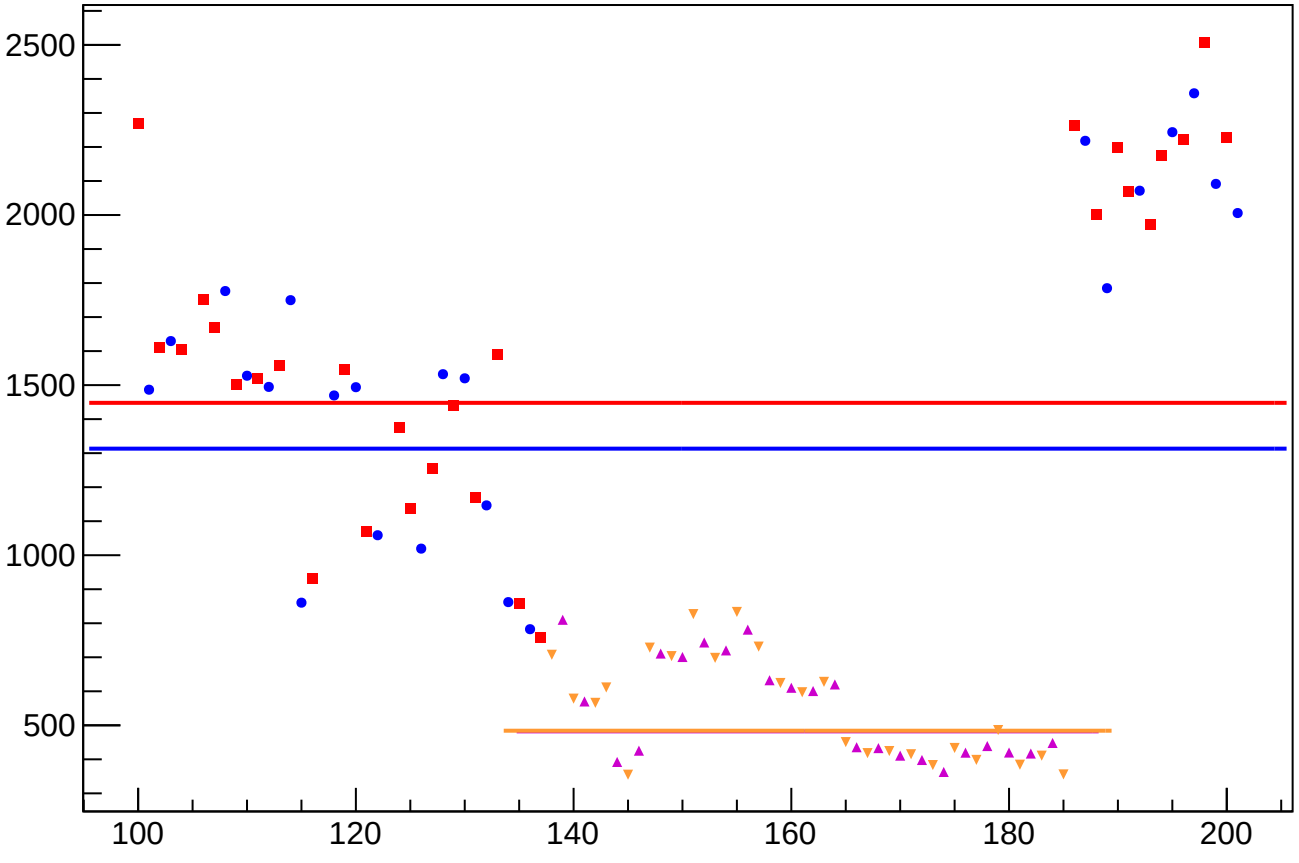
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 503.254+/-109.941 χ^2/NDF: 84.0/47

All: 283.209+/-78.567 χ^2/NDF: 144.4/98

- sign 53.546+/-112.317 χ^2/NDF: 52.2/50

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

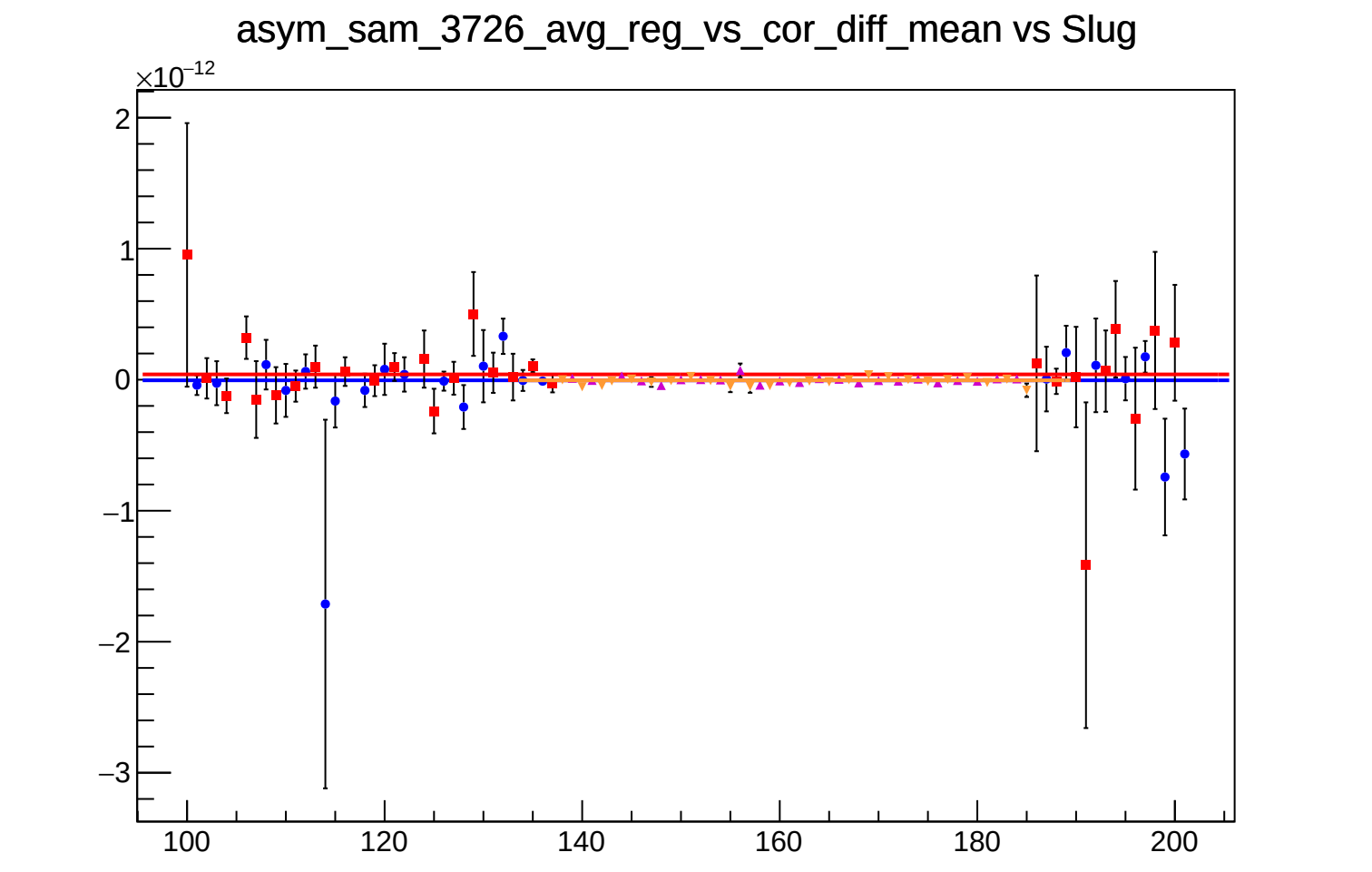
Right Out: 1447.897+/-0.293 χ^2/NDF: 2683858.6/27

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 546.856+/-0.078 χ^2/NDF: 13404896.0/47

All: 550.031+/-0.056 χ^2/NDF: 28374266.7/98

- sign 553.344+/-0.079 χ^2/NDF: 14965962.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/22

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

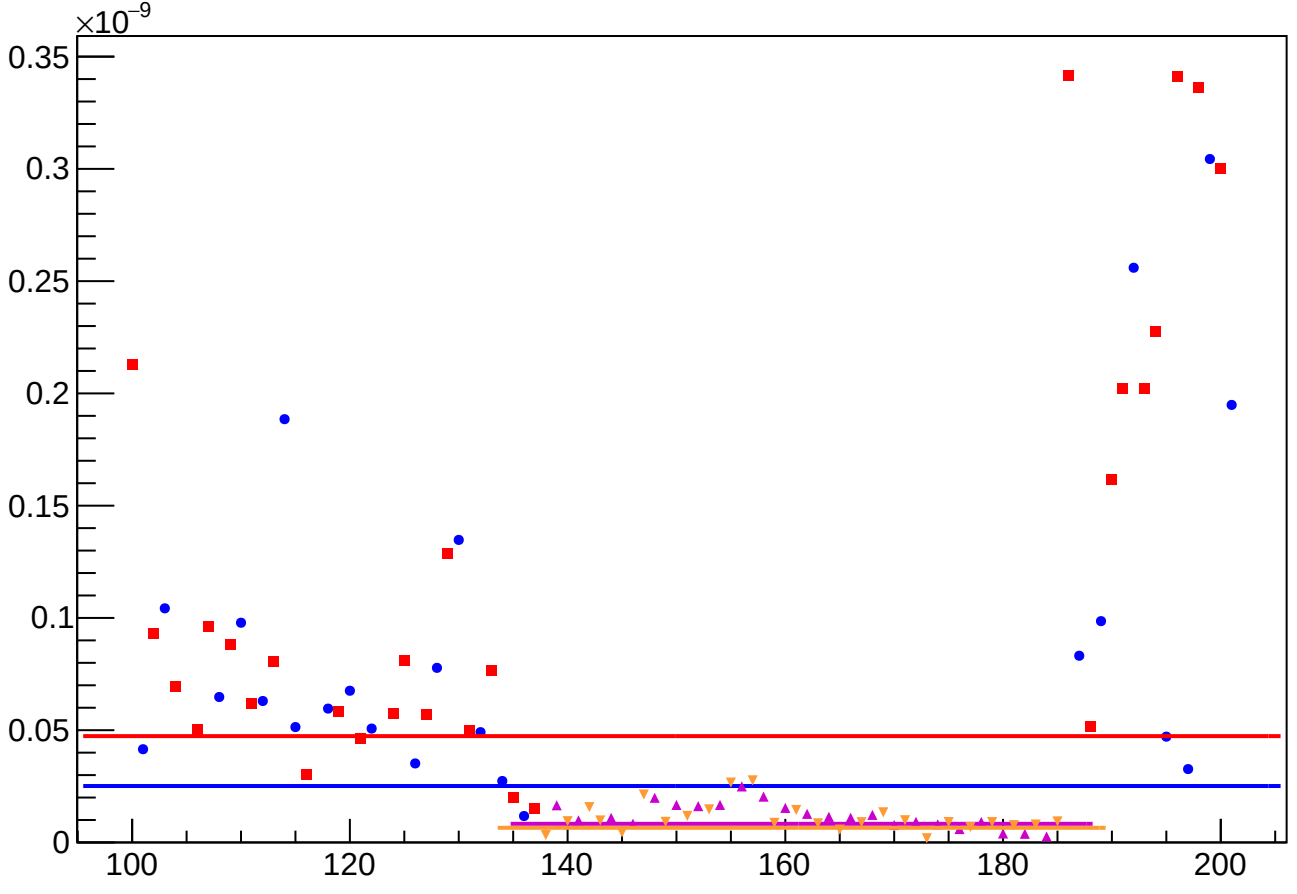
Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/27

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: 88.7/98

- sign -0.000+/-0.000 χ^2/NDF: 37.1/50



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: 5225759.8/27

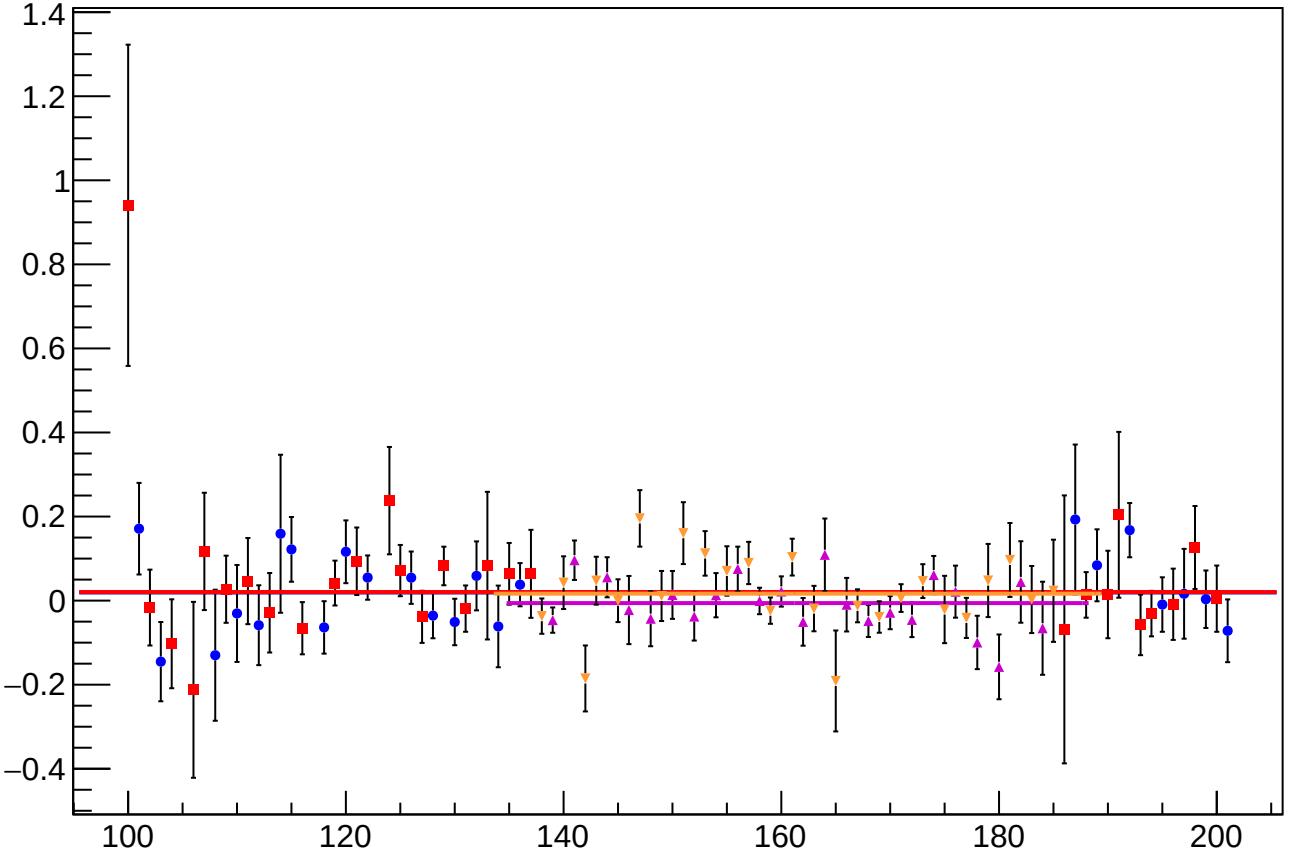
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11476976.1/47

All: 0.000+/-0.000 χ^2/NDF: 24342164.8/98

- sign 0.000+/-0.000 χ^2/NDF: 12537432.4/50

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: 24.1/27

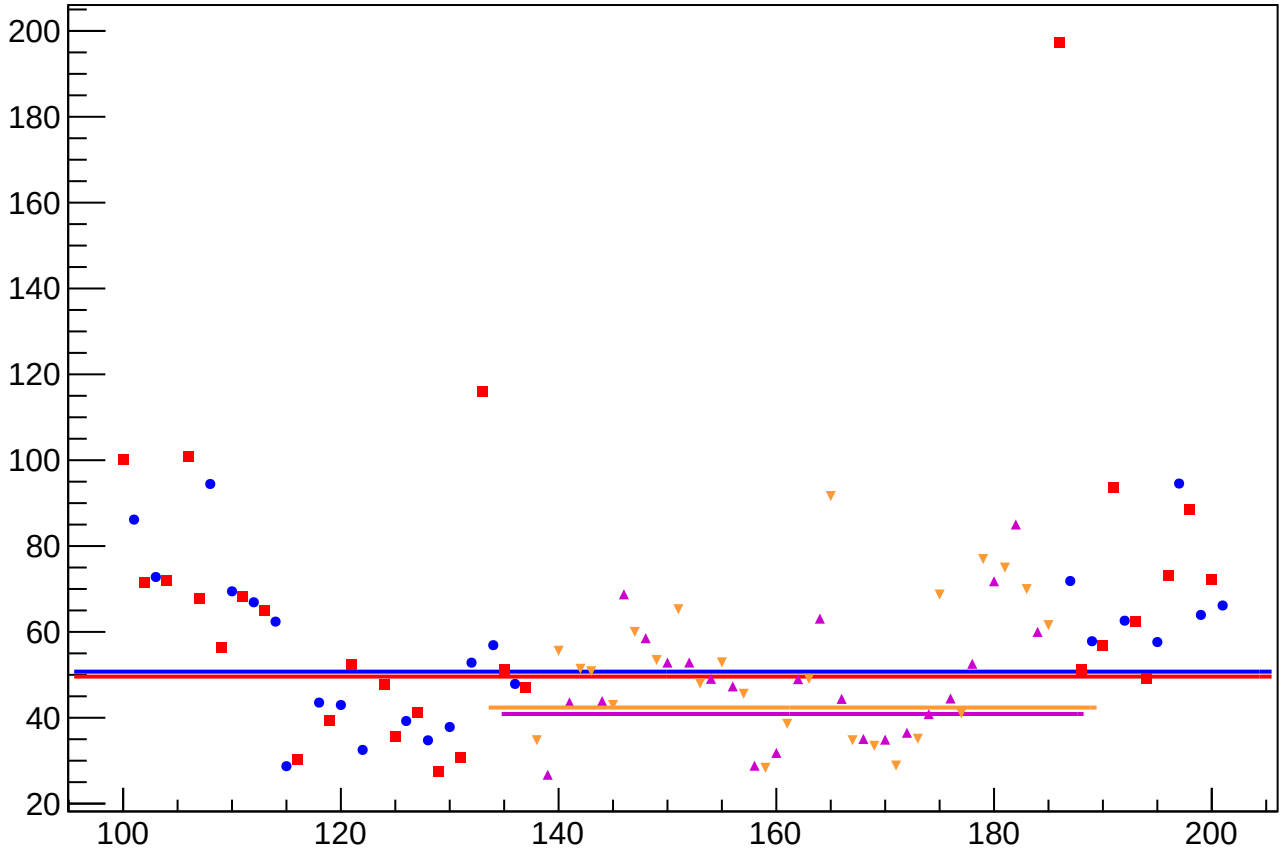
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.6/47

All: 0.010+/-0.006 χ^2/NDF: 120.3/98

- sign 0.003+/-0.008 χ^2/NDF: 52.2/50

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

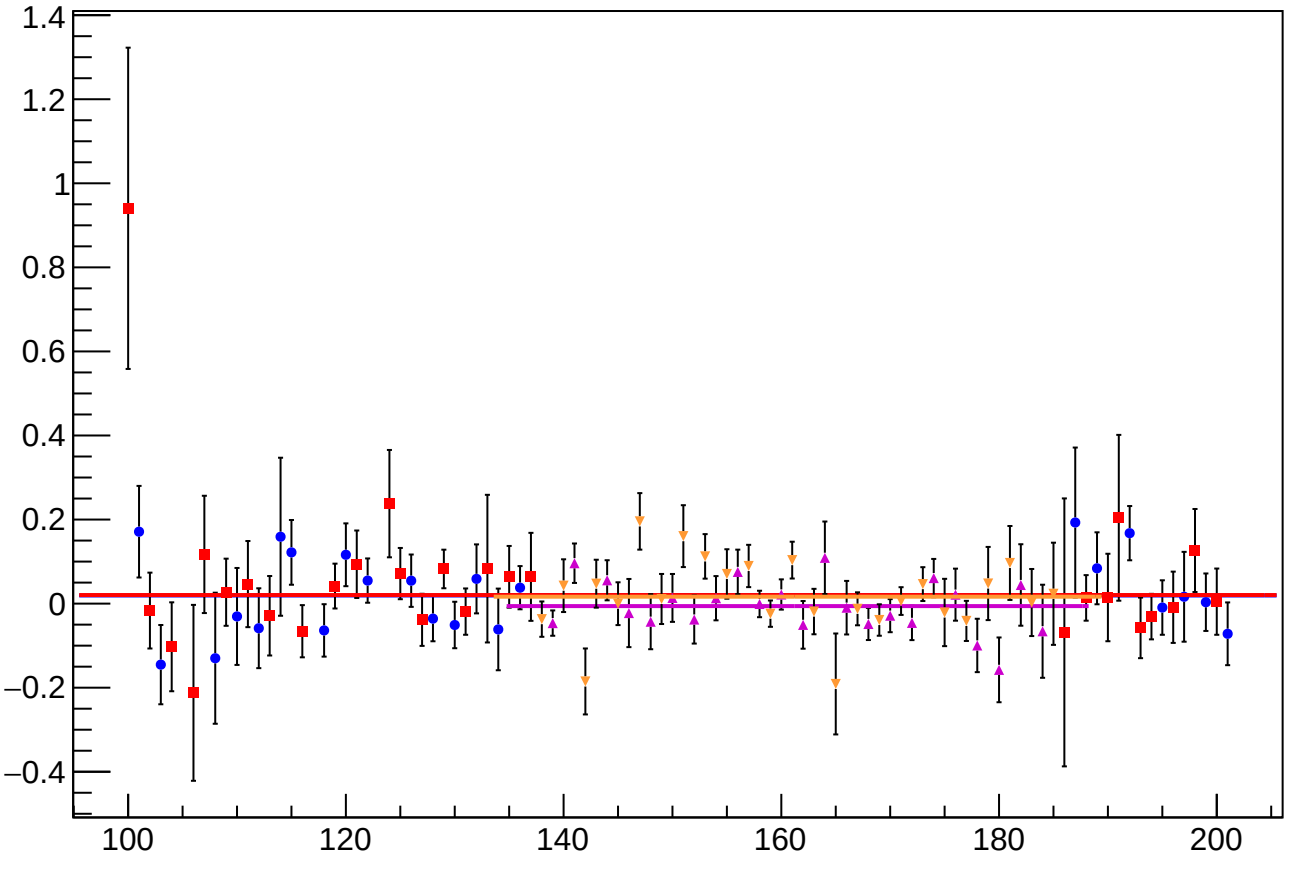
Right Out: 49.590+/-0.011 χ^2/NDF: 3162755.9/27

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.931+/-0.006 χ^2/NDF: 5634935.8/47

All: 44.304+/-0.004 χ^2/NDF: 11961538.7/98

- sign 43.701+/-0.006 χ^2/NDF: 6305876.7/50



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: 24.1/27

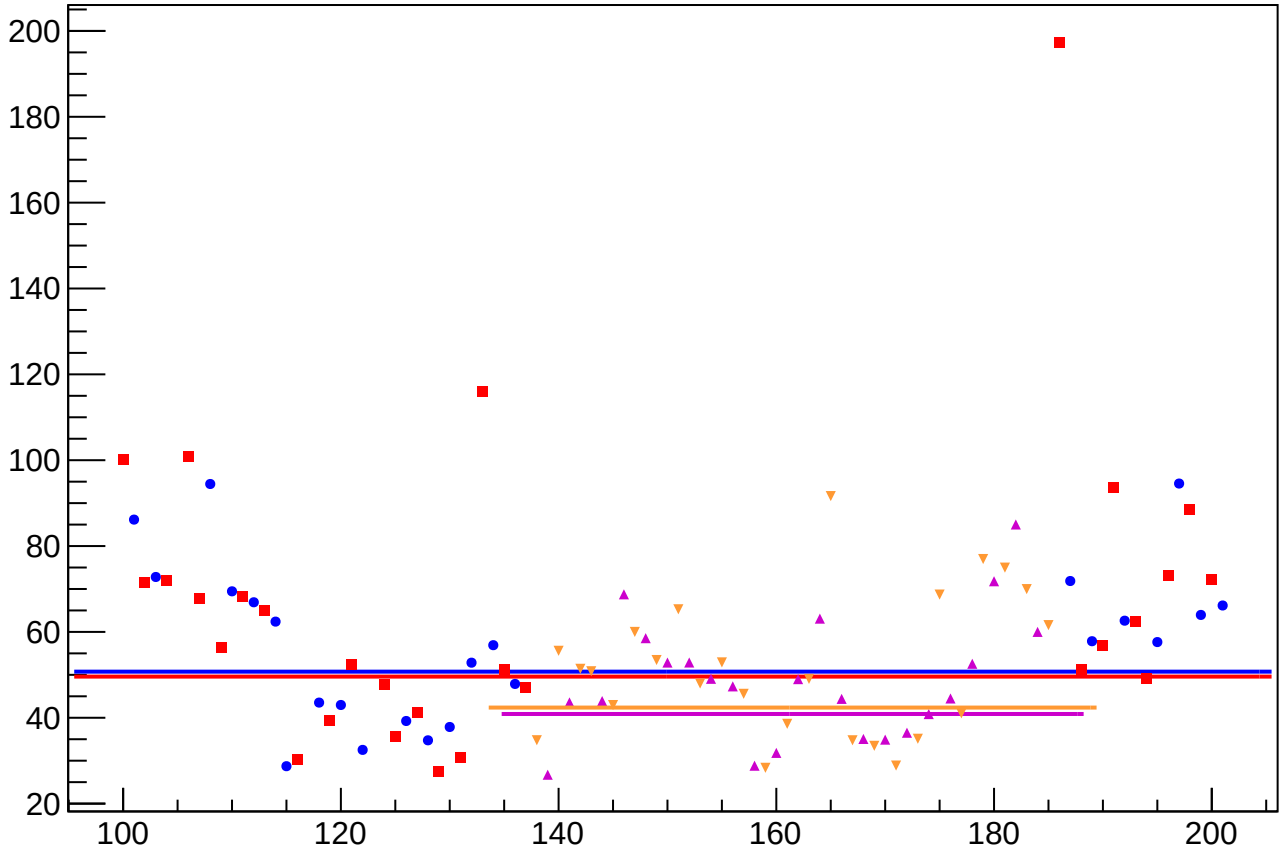
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.6/47

All: 0.010+/-0.006 χ^2/NDF: 120.3/98

- sign 0.003+/-0.008 χ^2/NDF: 52.2/50

asym_sam_3726_avg_dit_vs_eigen_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

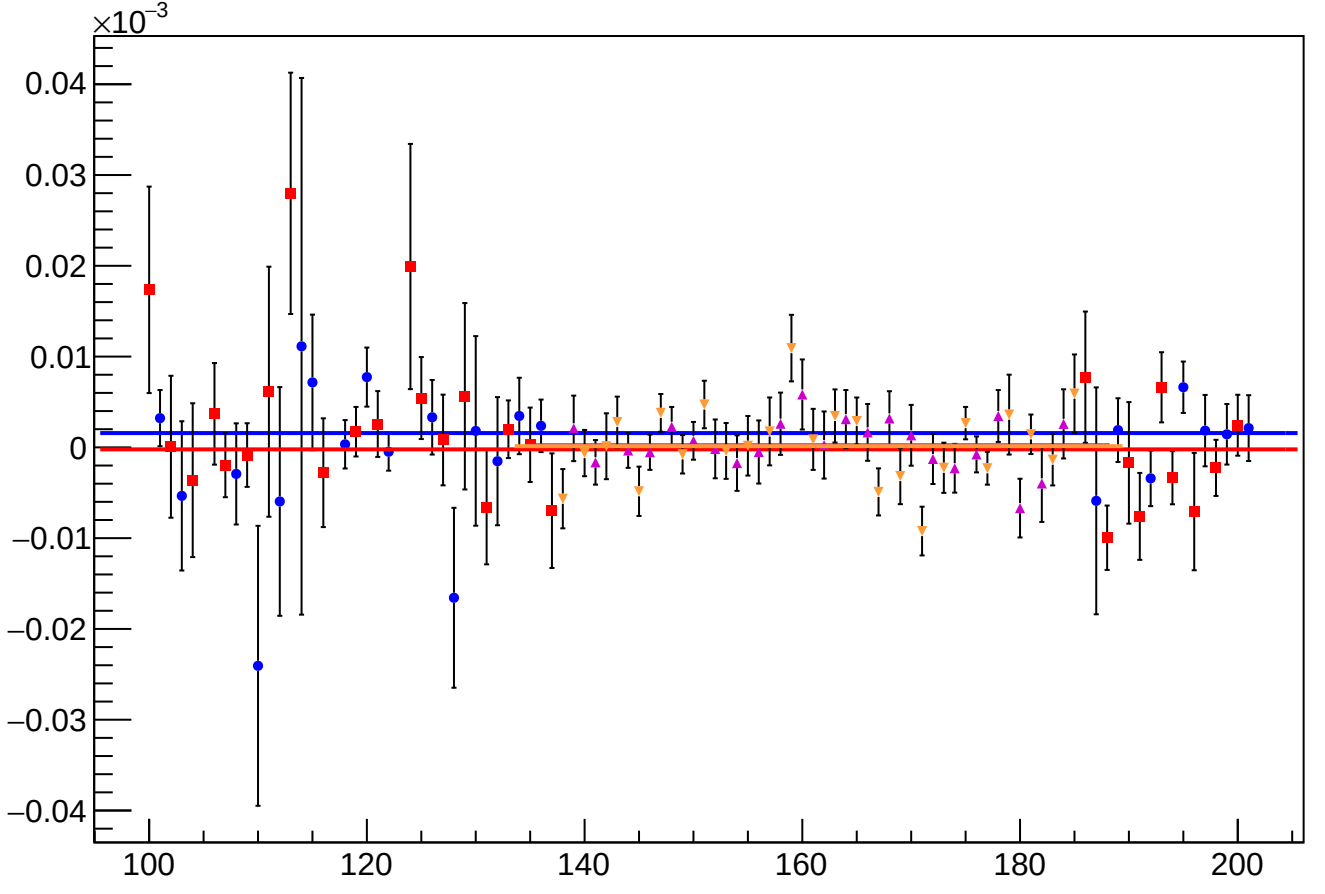
Right Out: 49.590+/-0.011 χ^2/NDF: 3162755.9/27

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.931+/-0.006 χ^2/NDF: 5634935.8/47

All: 44.304+/-0.004 χ^2/NDF: 11961538.7/98

- sign 43.701+/-0.006 χ^2/NDF: 6305876.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

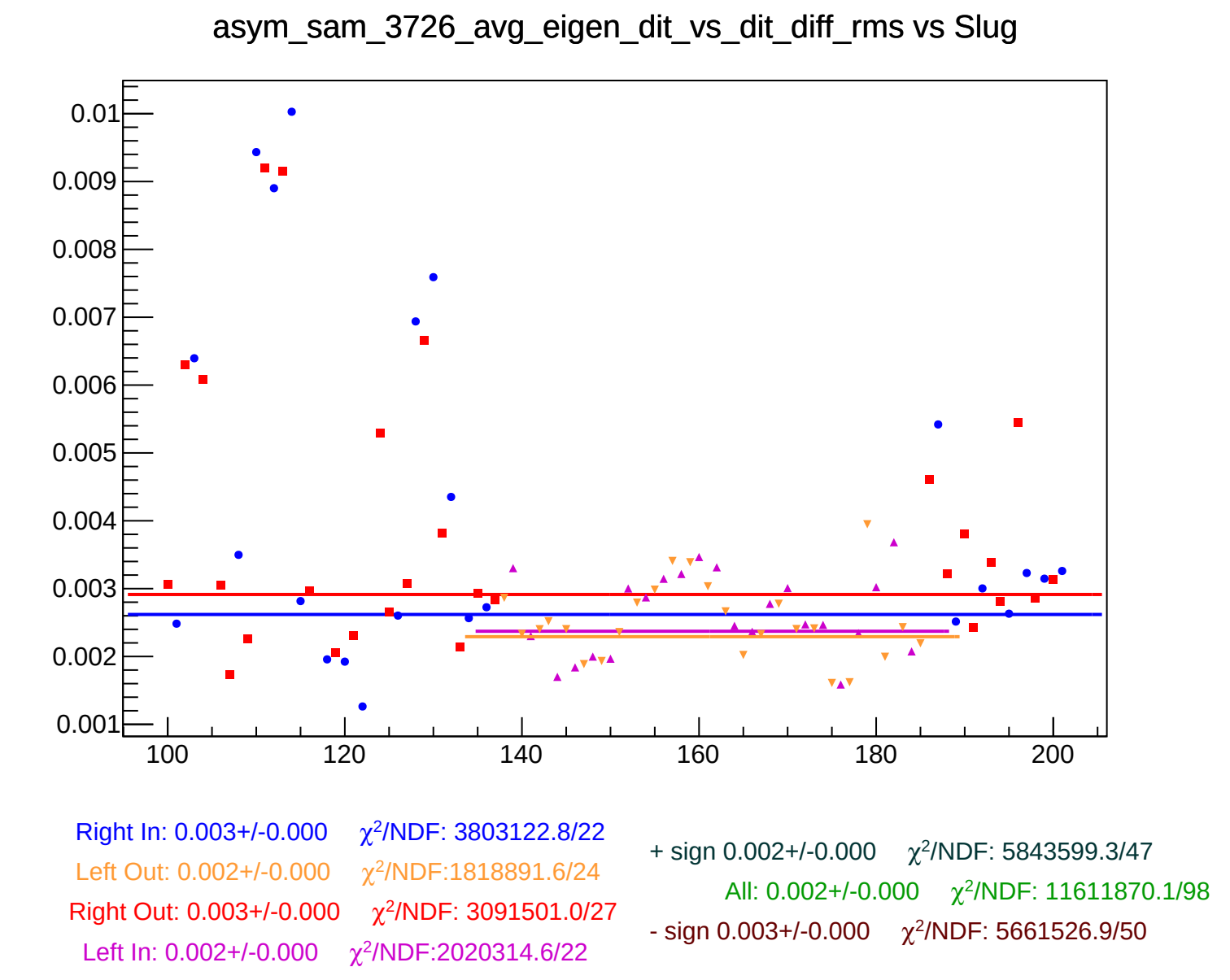
Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/27

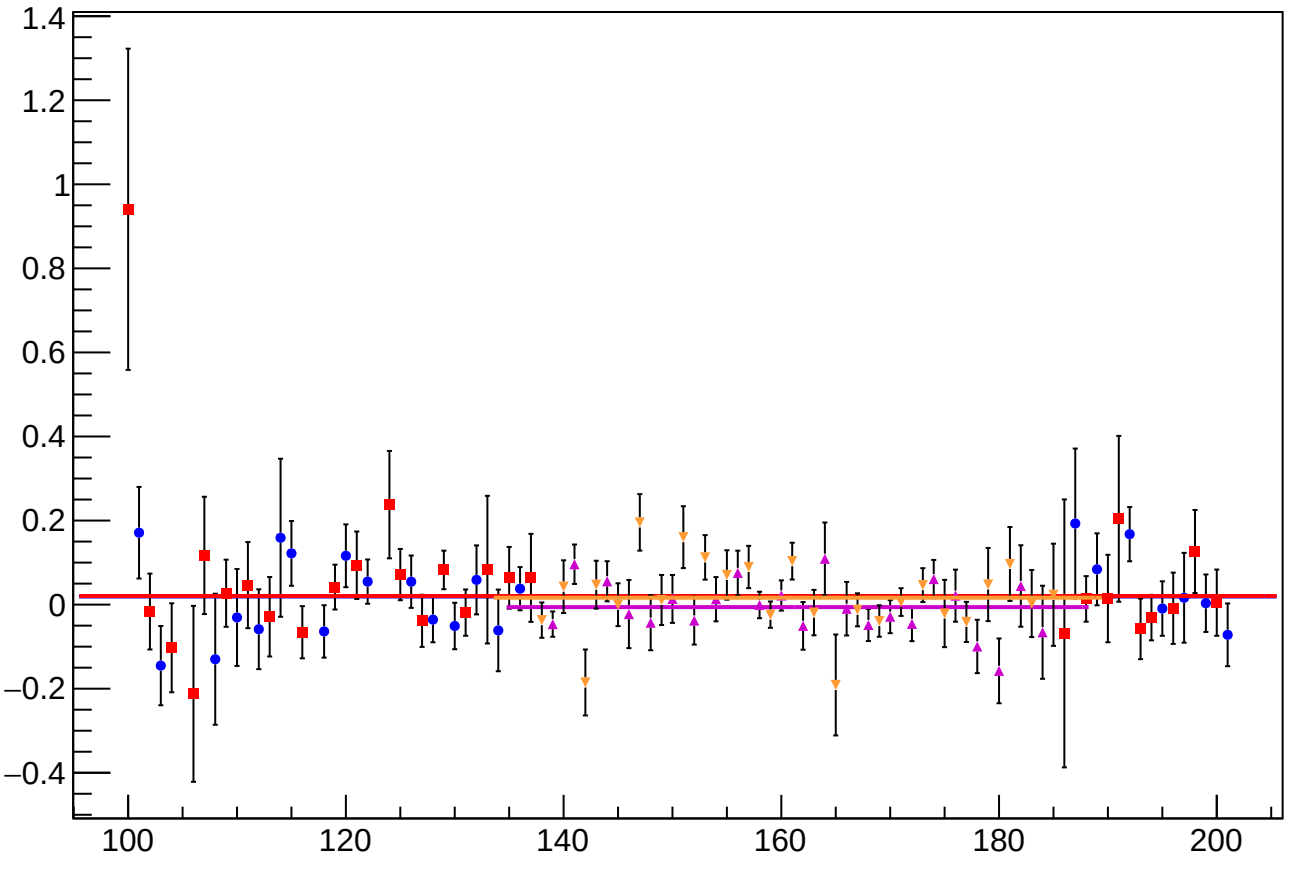
Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.5/47

All: 0.000+/-0.000 χ^2/NDF: 122.9/98

- sign 0.000+/-0.000 χ^2/NDF: 49.8/50


asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 3803122.8/22
Left Out: 0.002+/-0.000 χ²/NDF:1818891.6/24
Right Out: 0.003+/-0.000 χ²/NDF: 3091501.0/27
Left In: 0.002+/-0.000 χ²/NDF:2020314.6/22
+ sign 0.002+/-0.000 χ²/NDF: 5843599.3/47
All: 0.002+/-0.000 χ²/NDF: 11611870.1/98
- sign 0.003+/-0.000 χ²/NDF: 5661526.9/50



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: 24.1/27

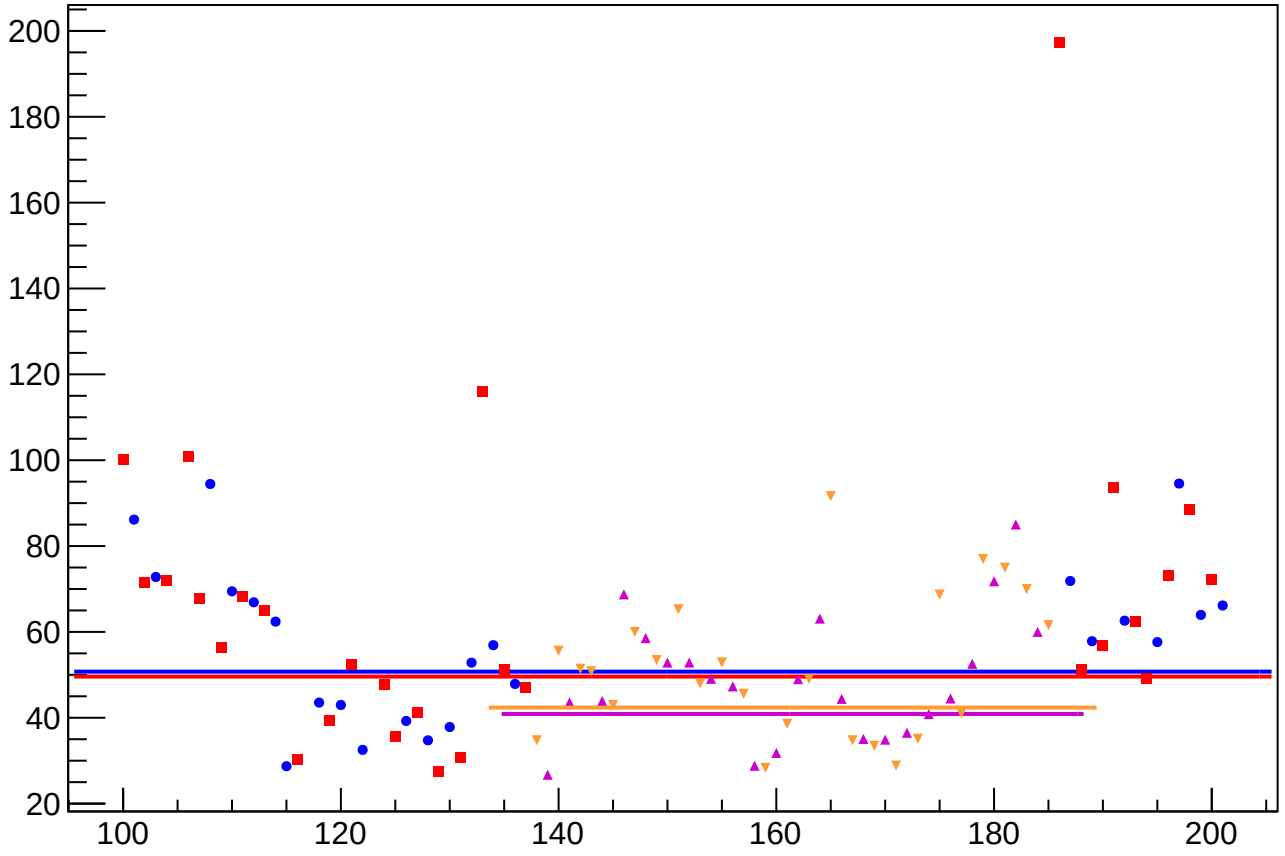
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.7/47

All: 0.010+/-0.006 χ^2/NDF: 120.4/98

- sign 0.003+/-0.008 χ^2/NDF: 52.2/50

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



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: 49.590+/-0.011 χ^2/NDF: 3162639.7/27

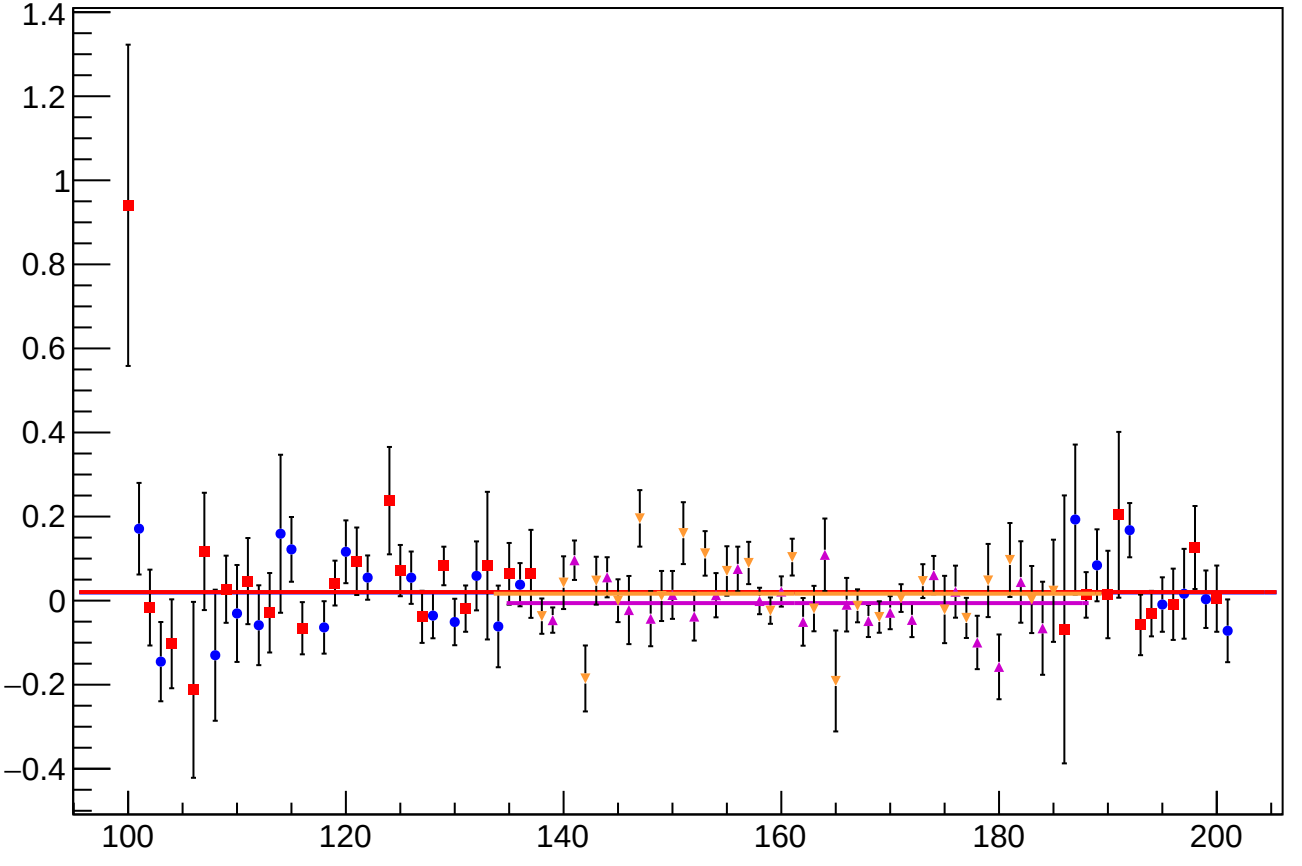
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.931+/-0.006 χ^2/NDF: 5634885.4/47

All: 44.304+/-0.004 χ^2/NDF: 11961373.9/98

- sign 43.702+/-0.006 χ^2/NDF: 6305766.3/50

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

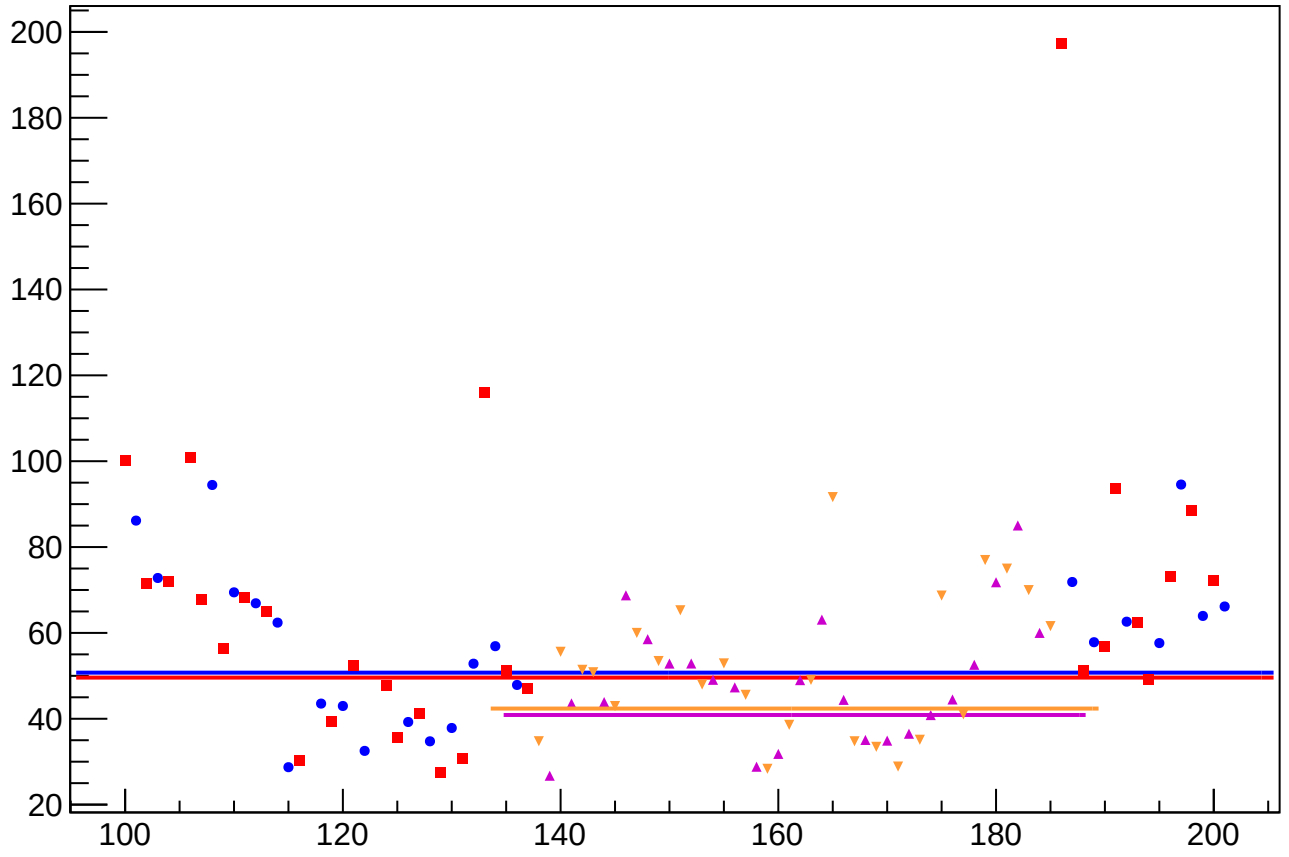
Right Out: 0.020+/-0.015 χ^2/NDF: 24.1/27

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: 120.4/98

- sign 0.003+/-0.008 χ^2/NDF: 52.2/50



Right In: 50.743+/-0.011 χ^2/NDF: 2044397.9/22

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

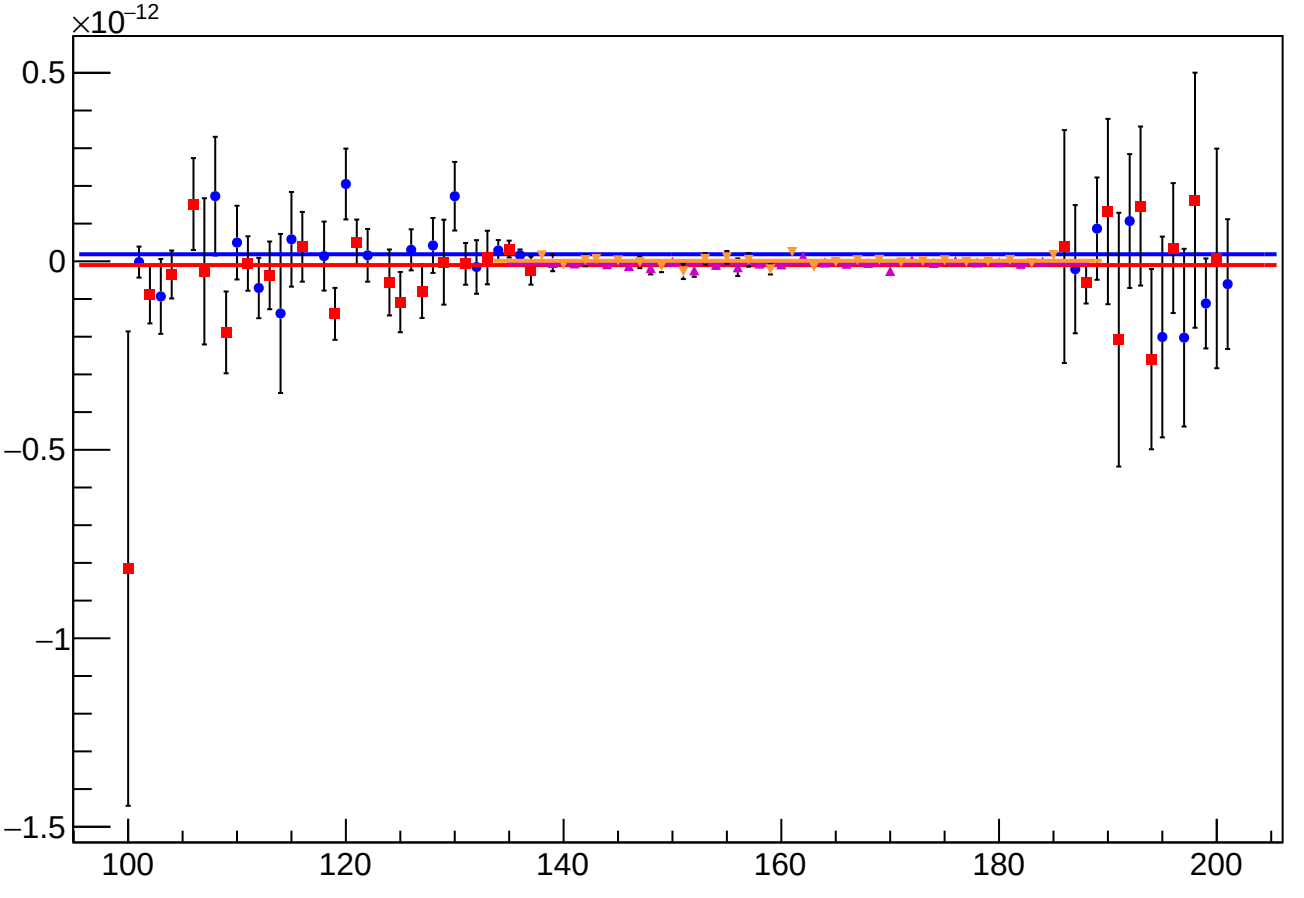
Right Out: 49.590+/-0.011 χ^2/NDF: 3162639.7/27

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.931+/-0.006 χ^2/NDF: 5634885.4/47

All: 44.304+/-0.004 χ^2/NDF: 11961373.9/98

- sign 43.702+/-0.006 χ^2/NDF: 6305766.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

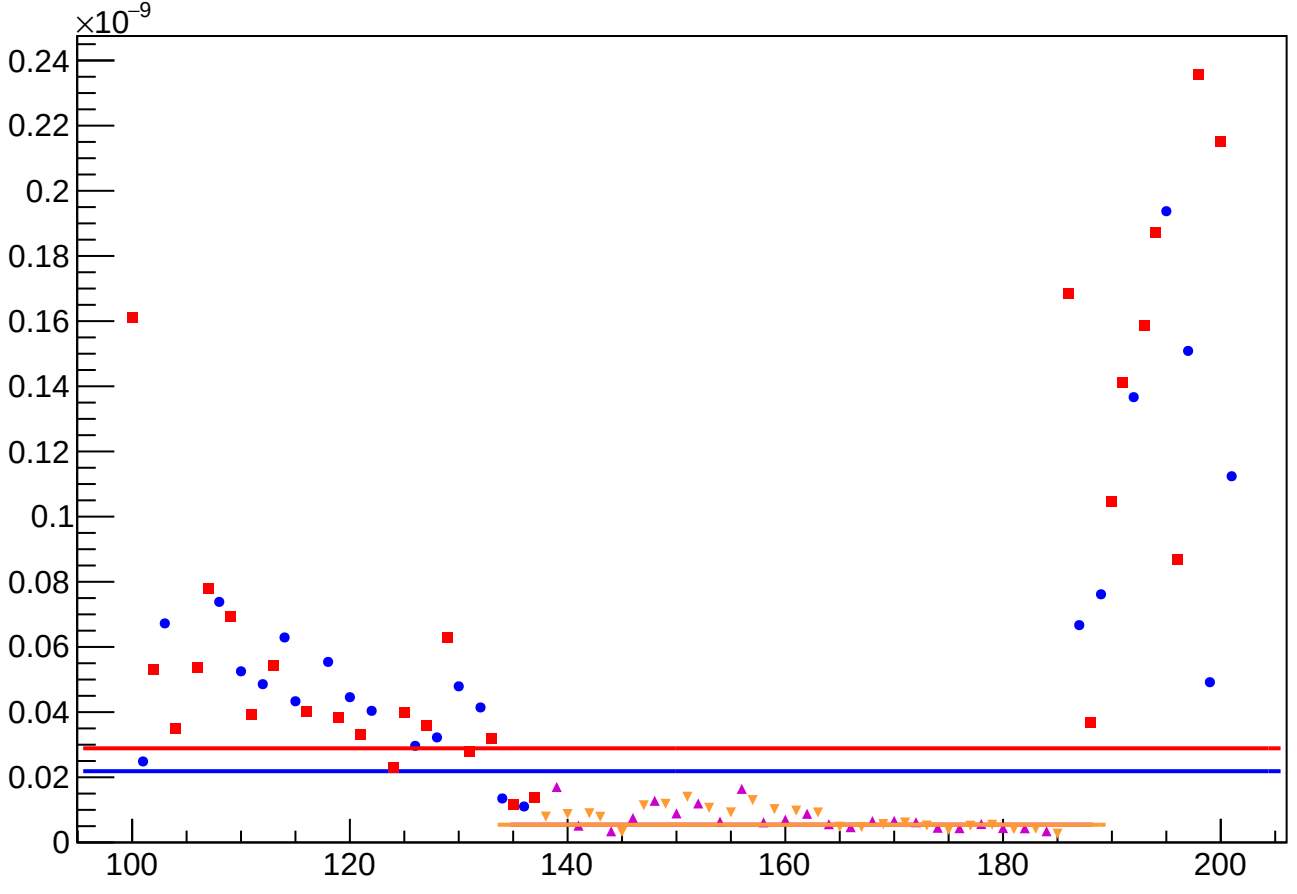
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/27

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: 81.1/98

- sign -0.000+/-0.000 χ^2/NDF: 35.5/50



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: 7113972.6/27

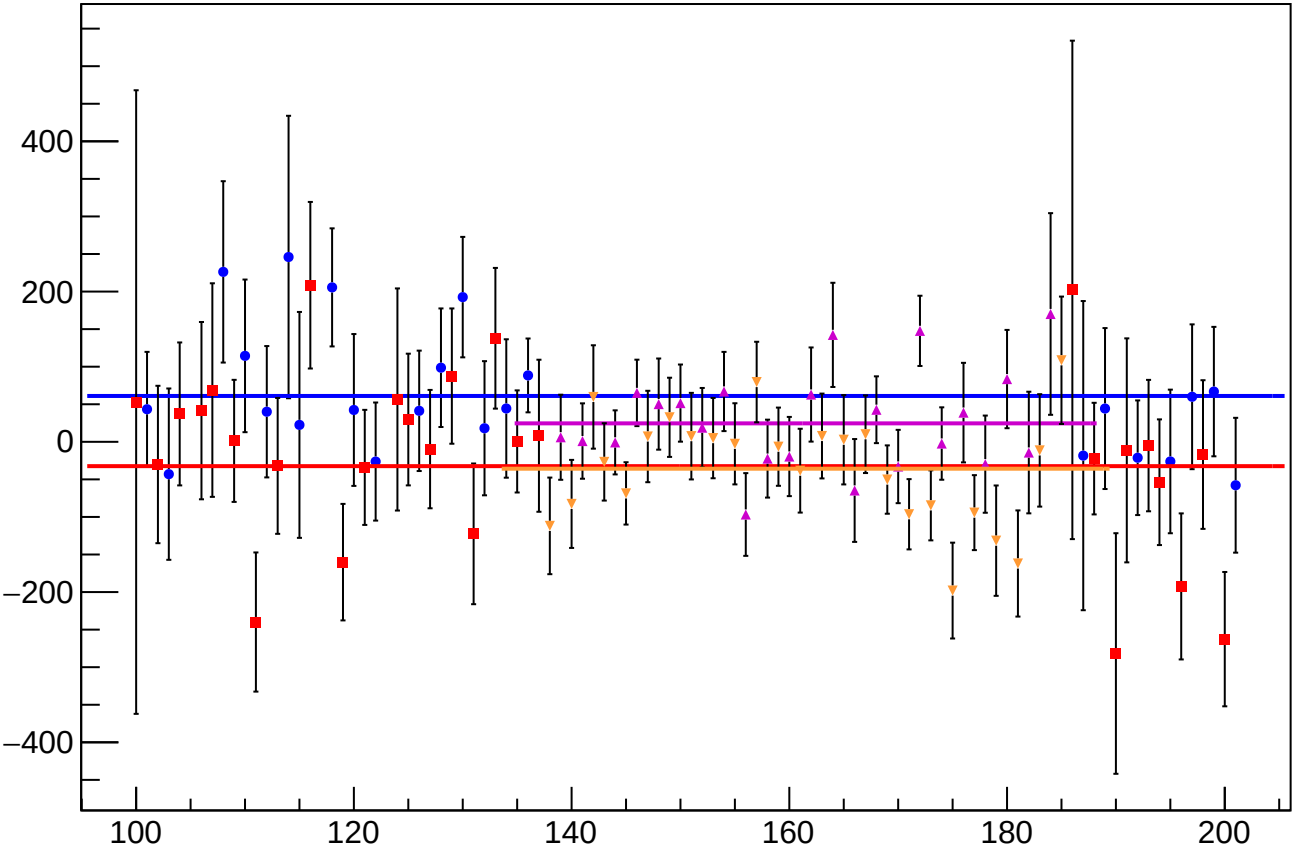
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 14843368.8/47

All: 0.000+/-0.000 χ^2/NDF: 30986798.7/98

- sign 0.000+/-0.000 χ^2/NDF: 16142146.2/50

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: -32.385+/-18.194 χ^2/NDF: 33.9/27

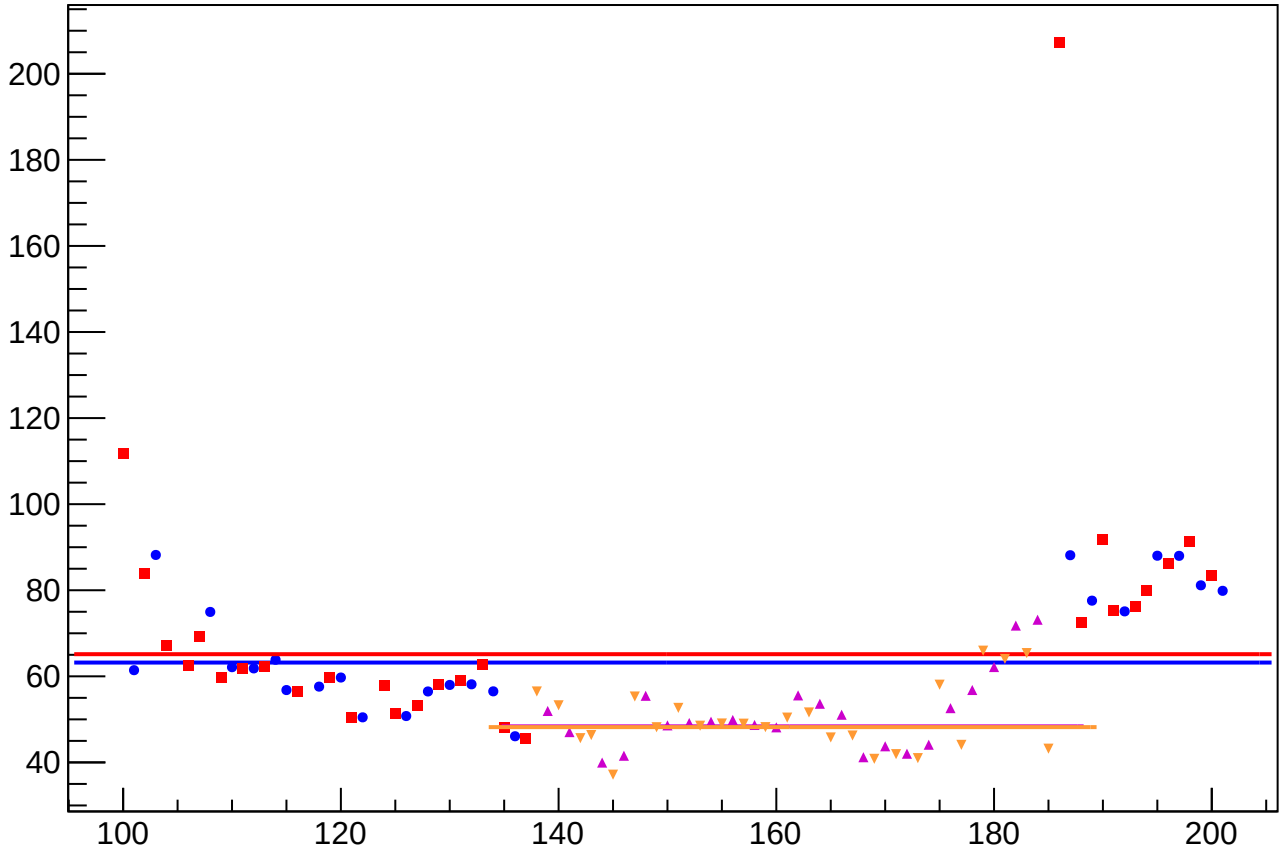
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -10.056+/-9.528 χ^2/NDF: 70.1/47

All: -1.010+/-6.799 χ^2/NDF: 138.6/98

- sign 8.371+/-9.703 χ^2/NDF: 66.7/50

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: 65.145+/-0.013 χ^2/NDF: 1386598.2/27

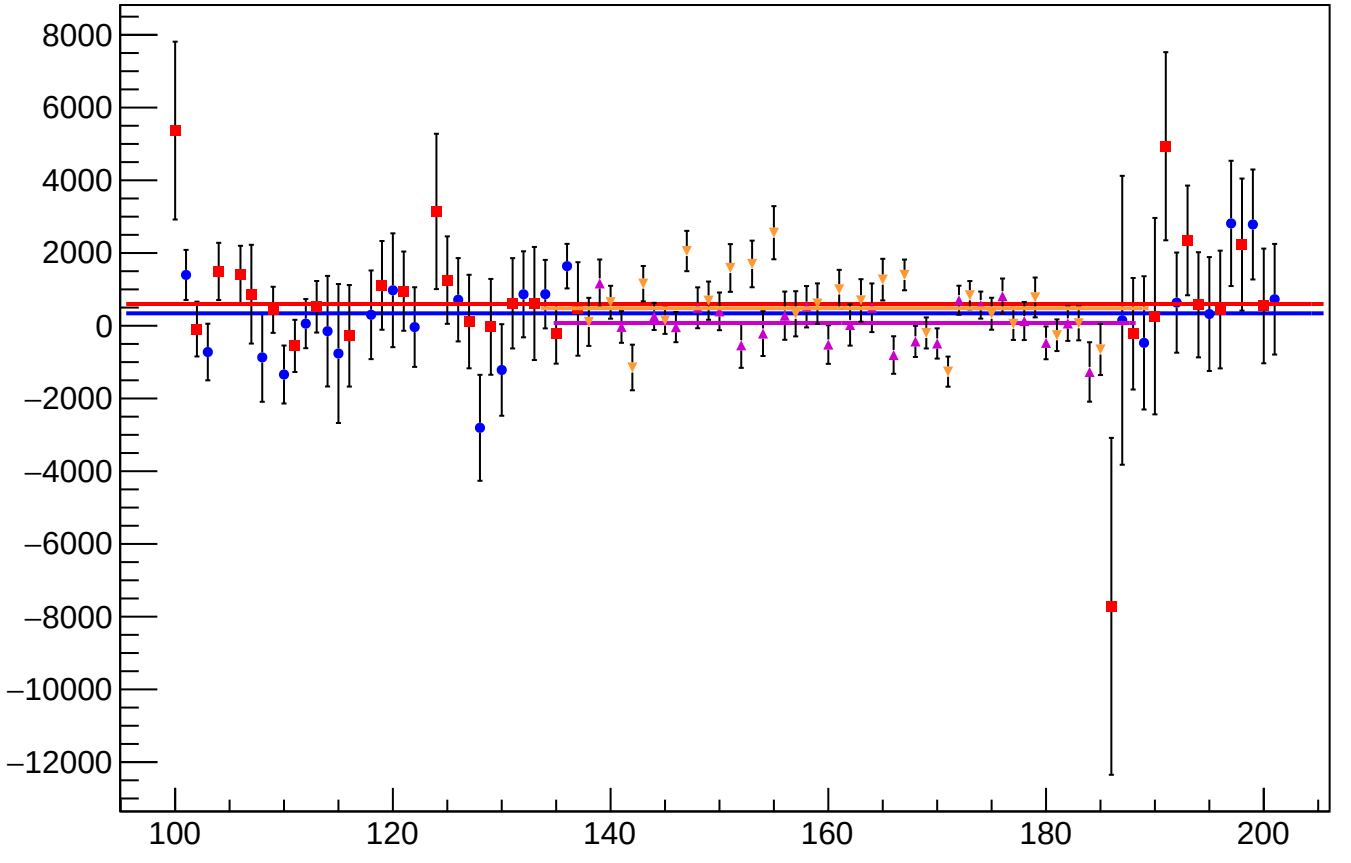
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.185+/-0.007 χ^2/NDF: 2800918.4/47

All: 52.658+/-0.005 χ^2/NDF: 6108069.6/98

- sign 53.149+/-0.007 χ^2/NDF: 3297091.1/50

asym_sam_15_48_dd_reg_correction_mean vs Slug



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: 598.530+/-212.581 χ^2/NDF: 21.9/27

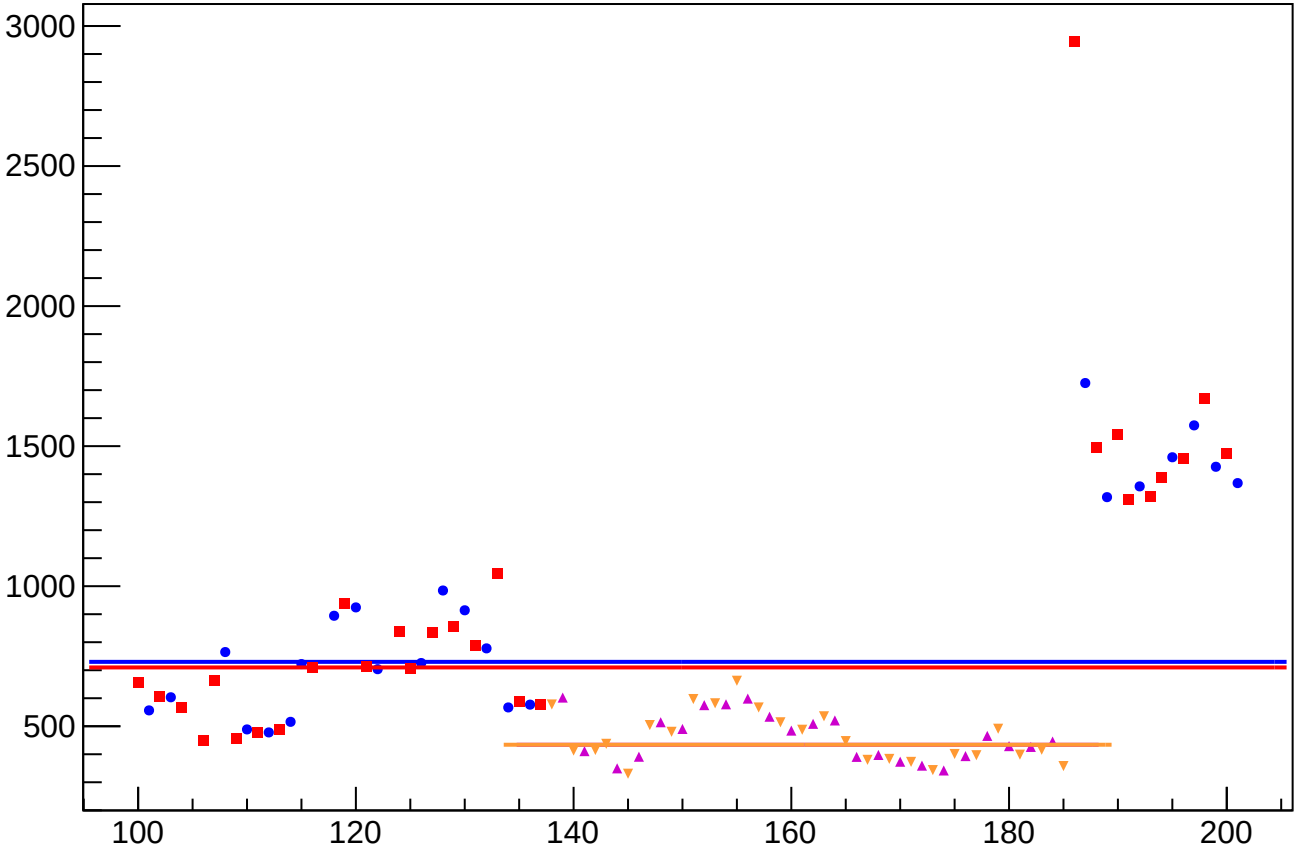
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 457.237+/-91.807 χ^2/NDF: 96.4/47

All: 317.751+/-65.261 χ^2/NDF: 152.3/98

- sign 175.274+/-92.786 χ^2/NDF: 51.3/50

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: 709.921+/-0.150 χ^2/NDF: 4844452.0/27

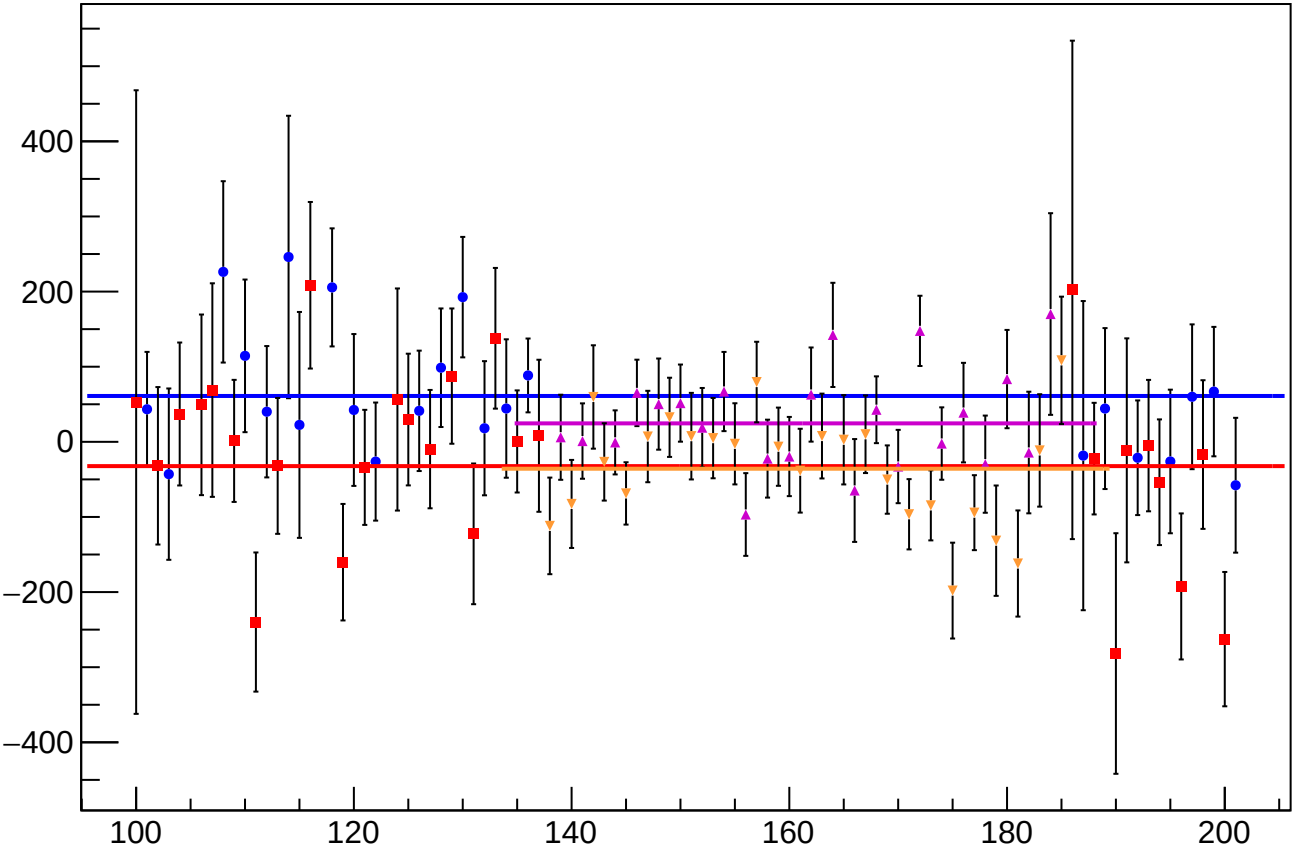
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 483.048+/-0.065 χ^2/NDF: 7598761.4/47

All: 484.677+/-0.046 χ^2/NDF: 16272266.1/98

- sign 486.340+/-0.066 χ^2/NDF: 8672232.6/50

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: -32.325+/-18.202 χ^2/NDF: 34.0/27

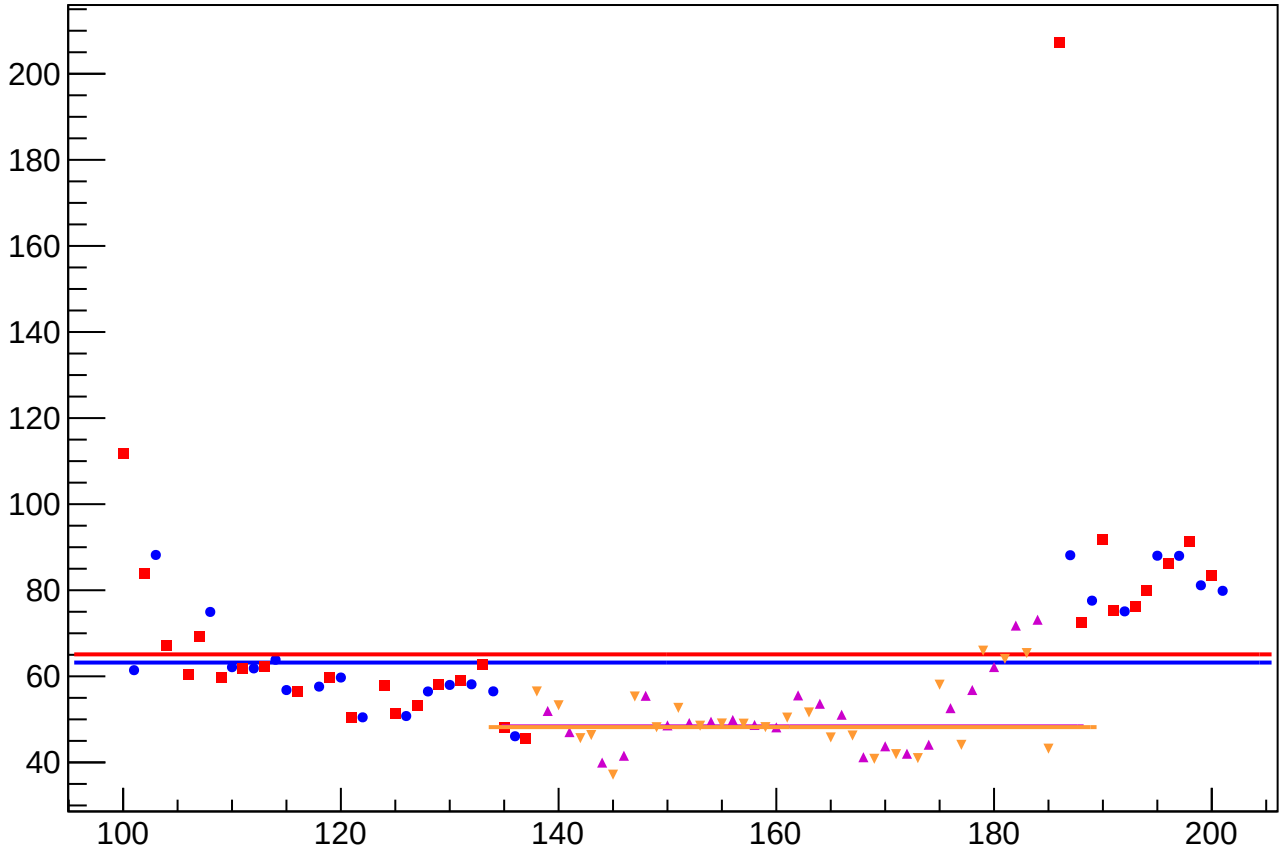
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -10.059+/-9.528 χ^2/NDF: 70.1/47

All: -0.999+/-6.799 χ^2/NDF: 138.7/98

- sign 8.399+/-9.705 χ^2/NDF: 66.7/50

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: 65.102+/-0.013 χ^2/NDF: 1388835.1/27

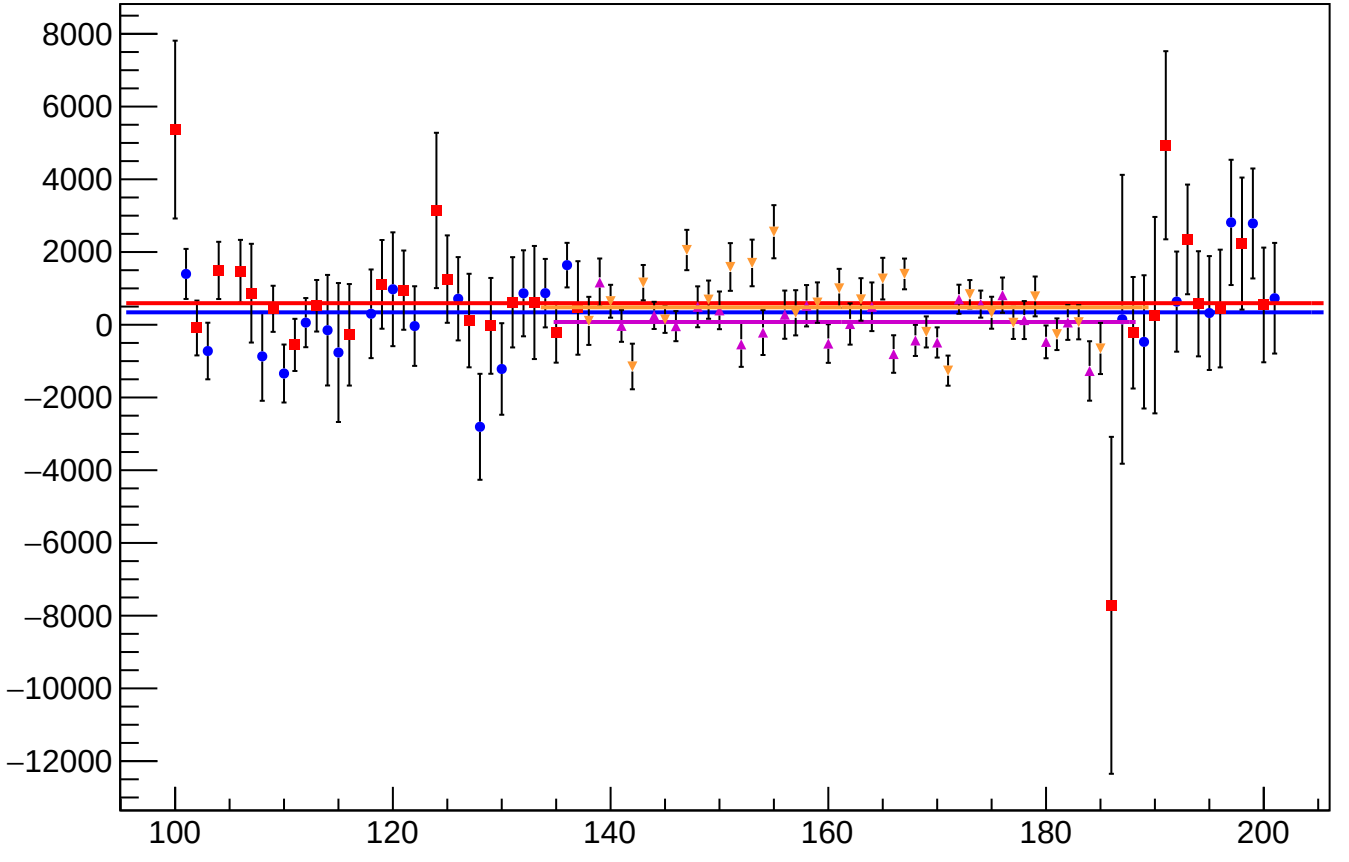
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

\+ sign 52.185+/-0.007 χ^2/NDF: 2800922.3/47

All: 52.650+/-0.005 χ^2/NDF: 6102867.0/98

\- sign 53.134+/-0.007 χ^2/NDF: 3292206.7/50

asym_sam_15_48_dd_cor_correction_mean vs Slug



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: 593.345+/-213.817 χ^2/NDF: 21.9/27

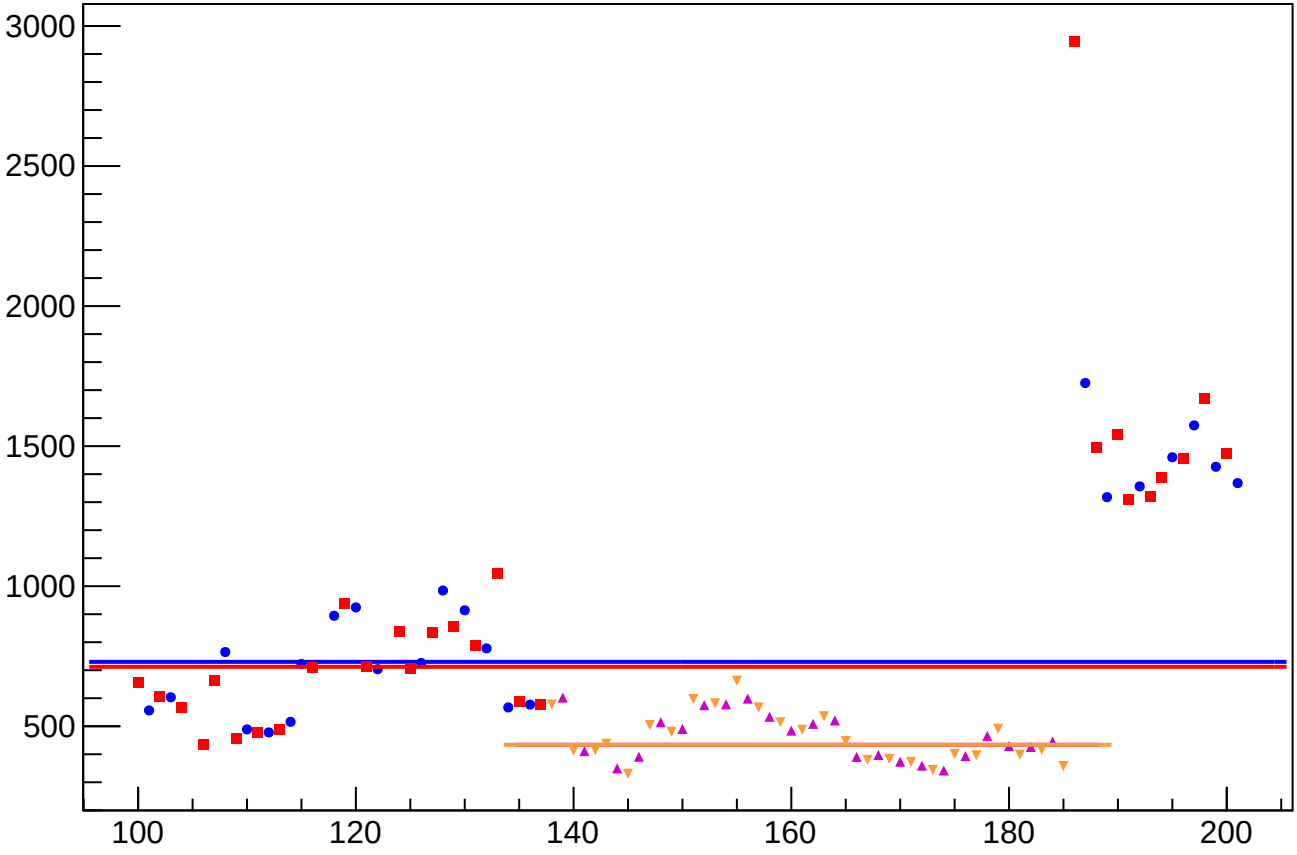
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 457.239+/-91.807 χ^2/NDF: 96.4/47

All: 316.964+/-65.296 χ^2/NDF: 152.2/98

- sign 173.366+/-92.888 χ^2/NDF: 51.1/50

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: 712.181+/-0.151 χ^2/NDF: 4828185.2/27

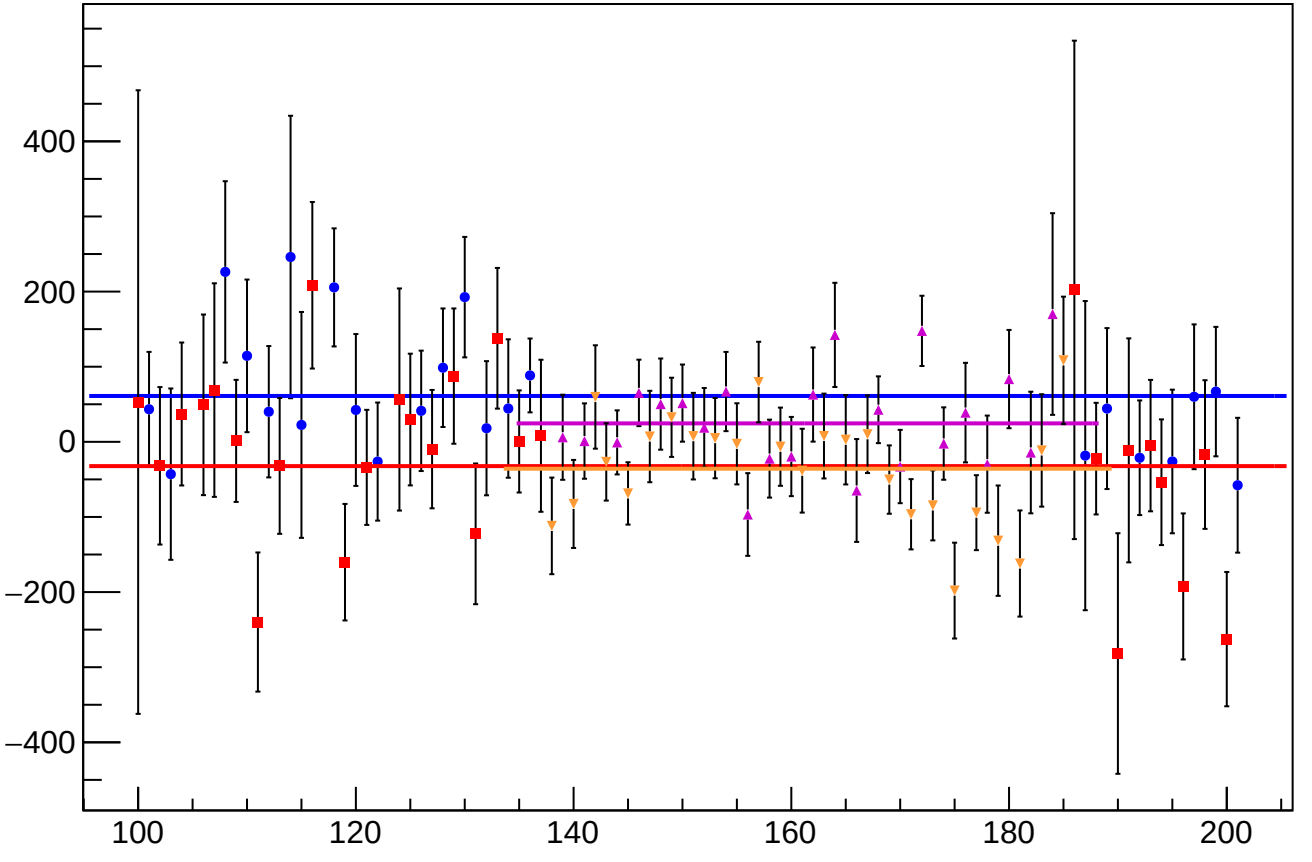
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 483.049+/-0.065 χ^2/NDF: 7598788.6/47

All: 484.643+/-0.046 χ^2/NDF: 16274901.1/98

- sign 486.275+/-0.066 χ^2/NDF: 8674892.0/50

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: -32.325+/-18.202 χ^2/NDF: 34.0/27

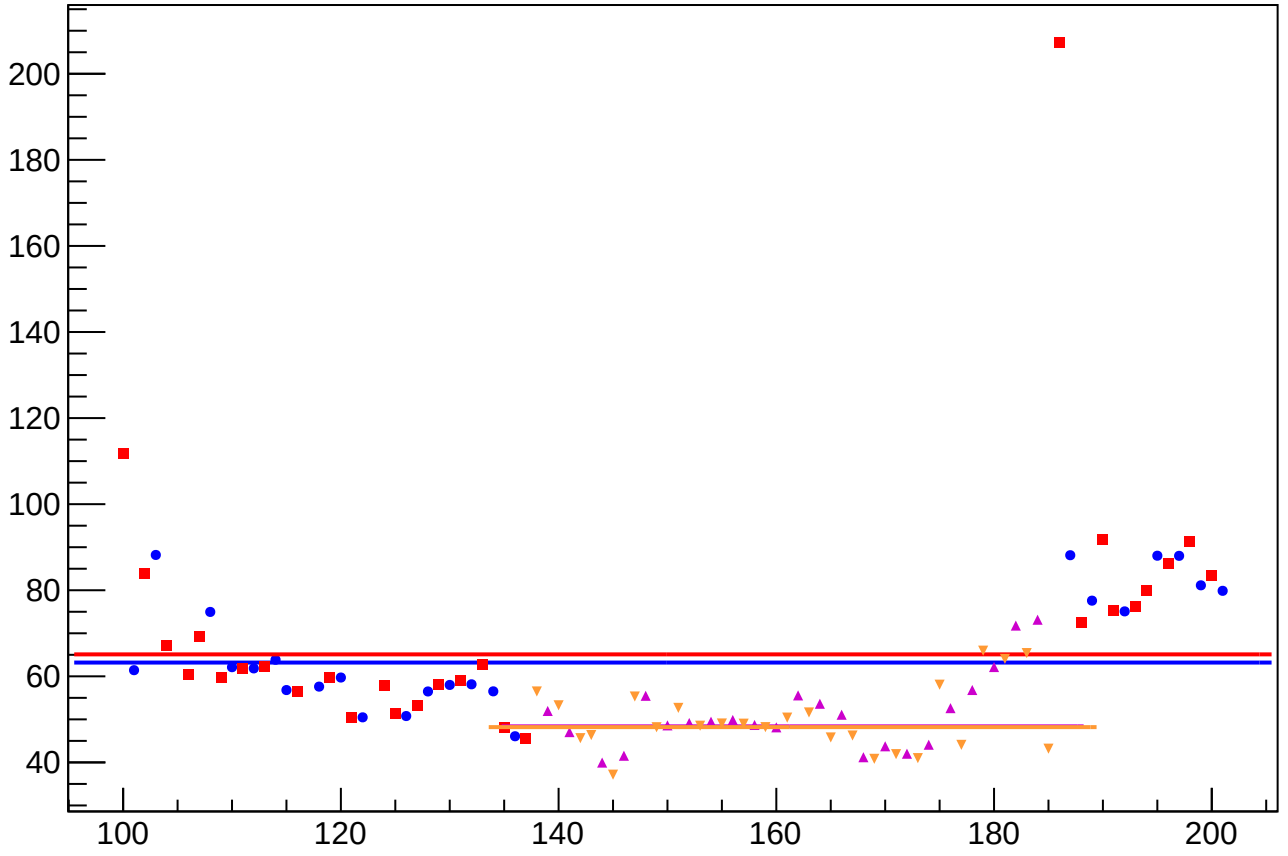
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -10.059+/-9.528 χ^2/NDF: 70.1/47

All: -0.999+/-6.799 χ^2/NDF: 138.7/98

- sign 8.399+/-9.705 χ^2/NDF: 66.7/50

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

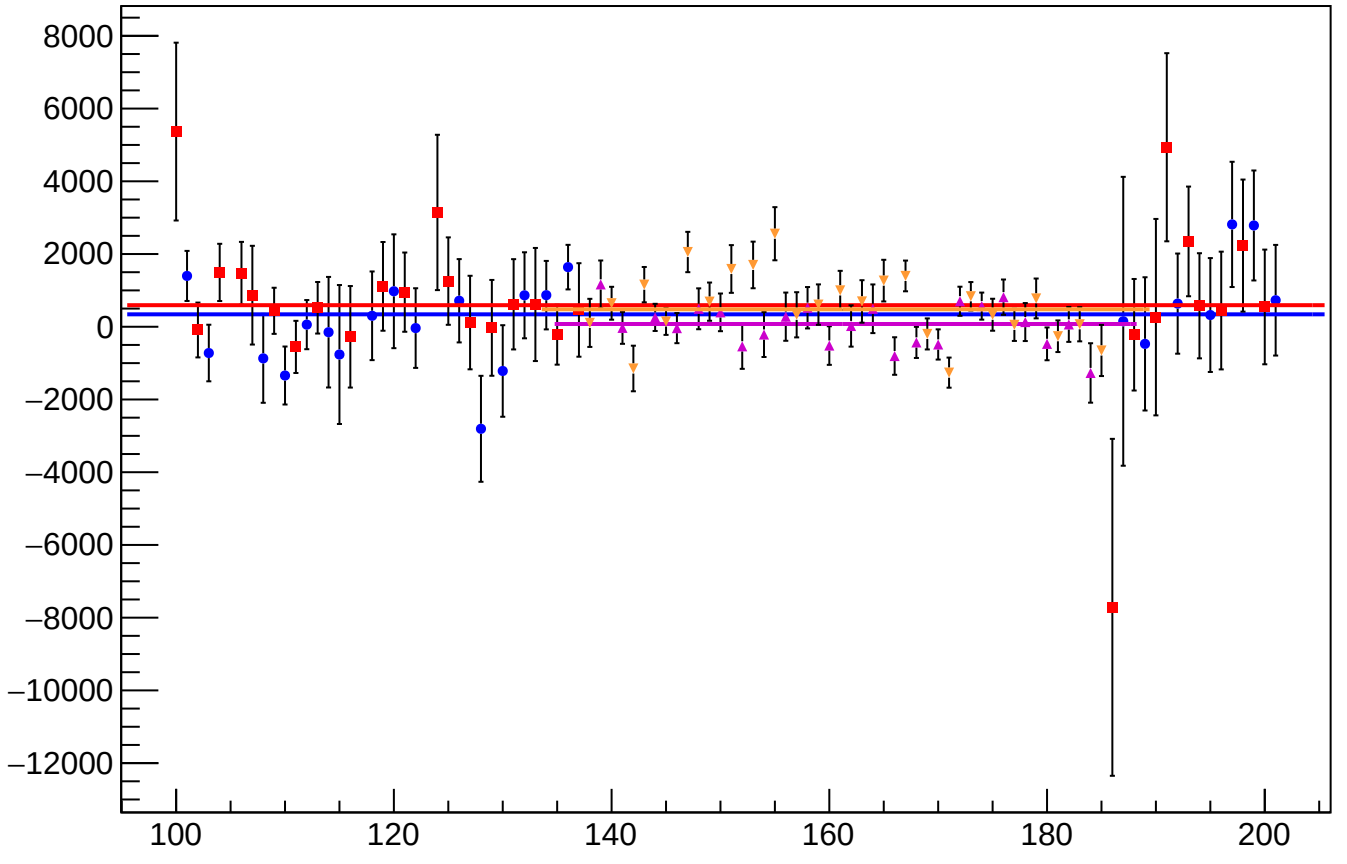
Right Out: 65.102+/-0.013 χ^2/NDF: 1388835.1/27

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.185+/-0.007 χ^2/NDF: 2800922.3/47

All: 52.650+/-0.005 χ^2/NDF: 6102867.0/98

- sign 53.134+/-0.007 χ^2/NDF: 3292206.7/50



Right In: 341.777+/-225.372 χ^2/NDF: 26.8/22

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

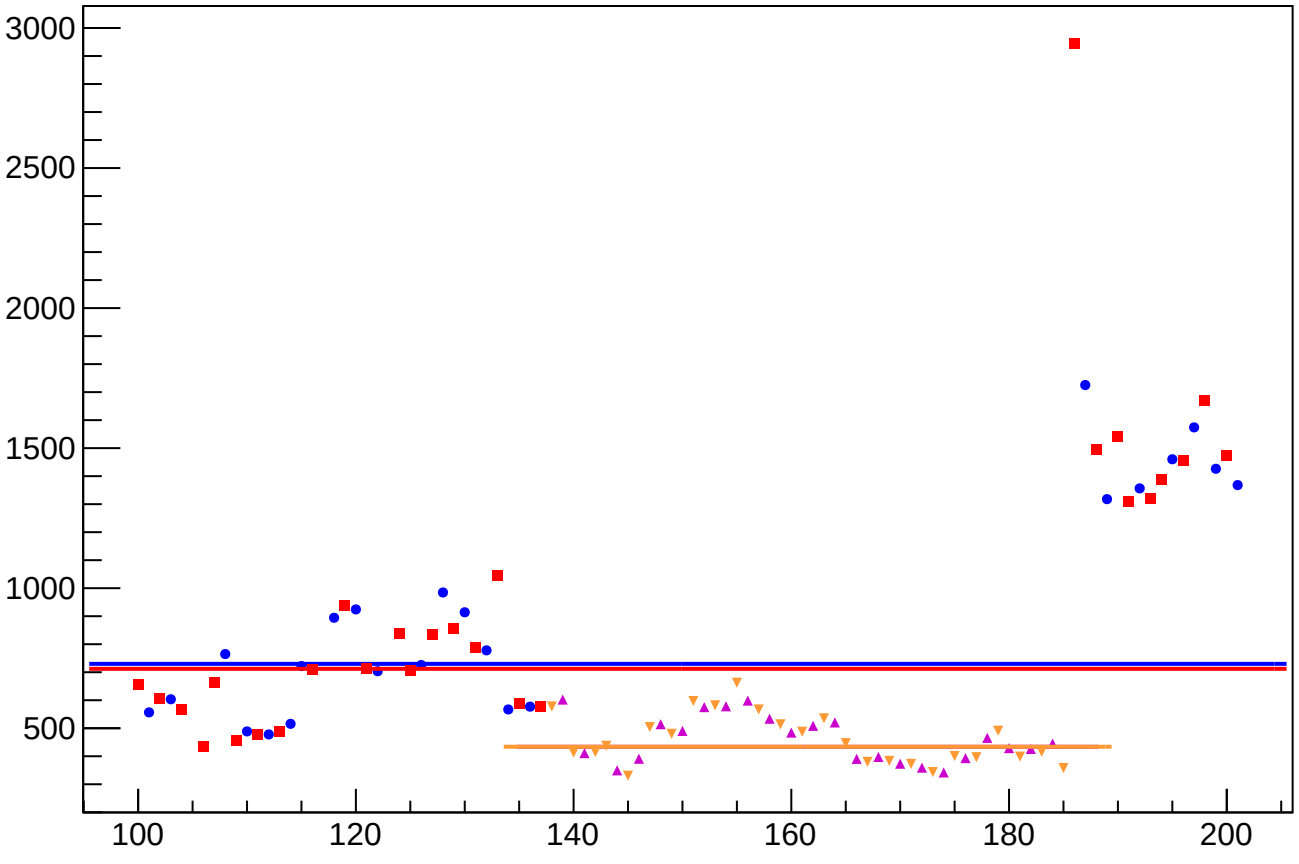
Right Out: 593.345+/-213.817 χ^2/NDF: 21.9/27

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 457.239+/-91.807 χ^2/NDF: 96.4/47

All: 316.964+/-65.296 χ^2/NDF: 152.2/98

- sign 173.366+/-92.888 χ^2/NDF: 51.1/50



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: 712.181+/-0.151 χ^2/NDF: 4828185.2/27

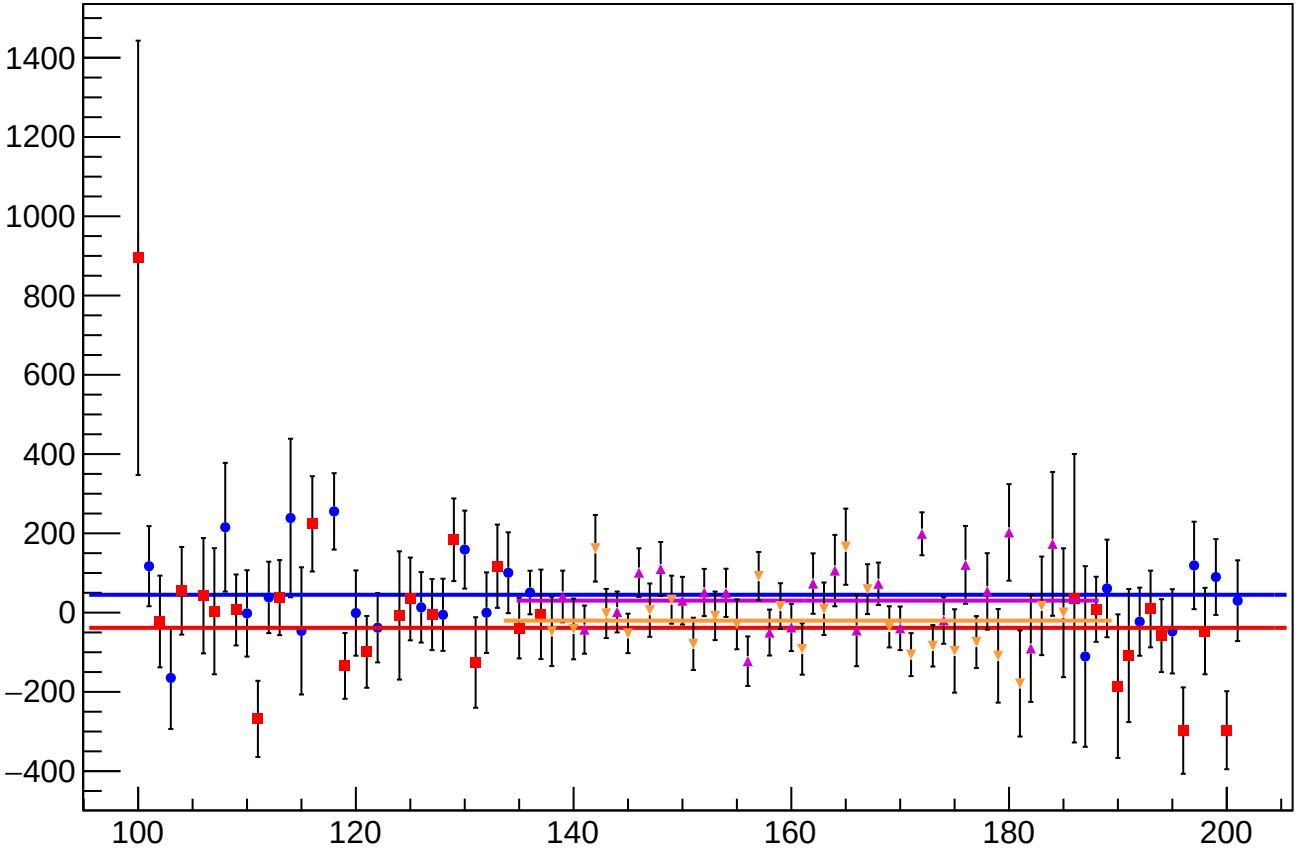
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 483.049+/-0.065 χ^2/NDF: 7598788.6/47

All: 484.643+/-0.046 χ^2/NDF: 16274901.1/98

- sign 486.275+/-0.066 χ^2/NDF: 8674892.0/50

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: -38.393+/-20.378 χ^2/NDF: 39.3/27

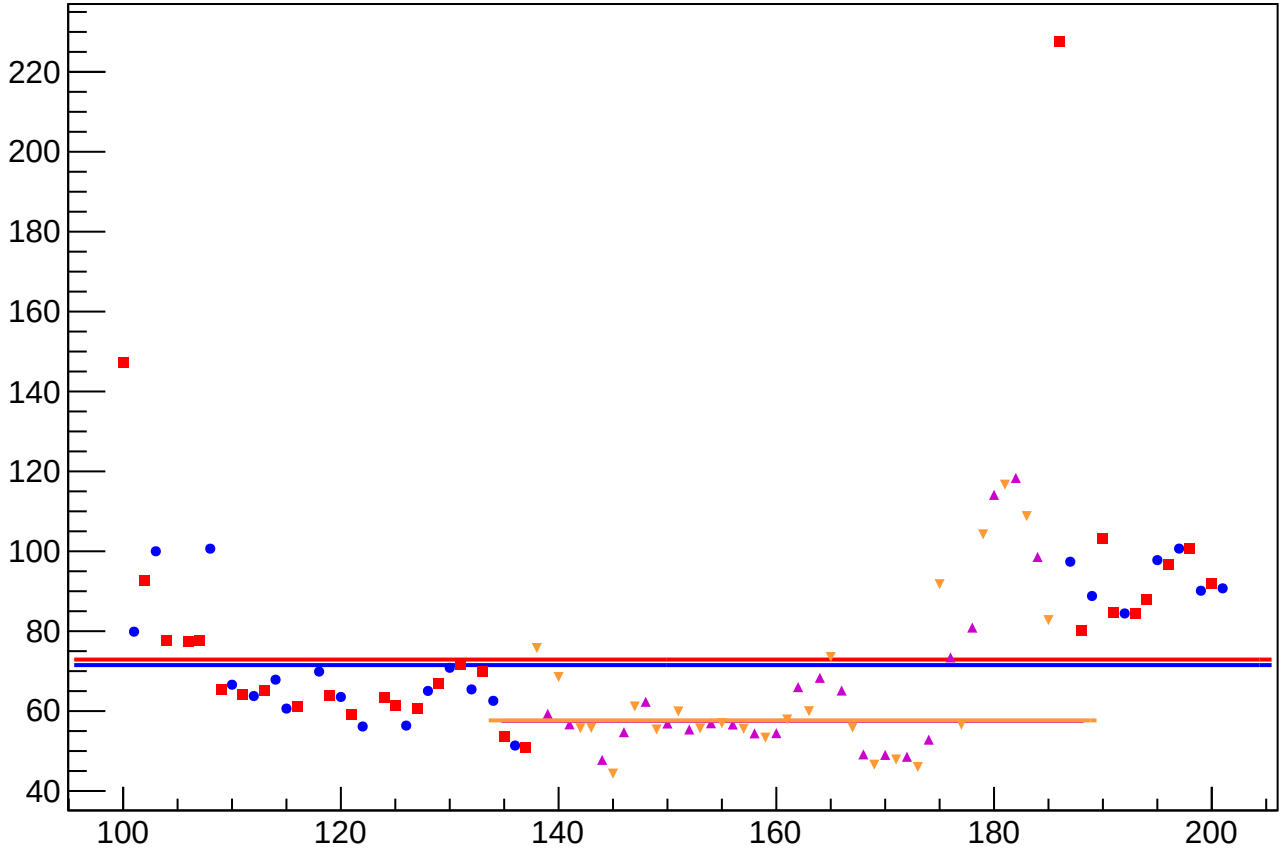
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -0.928+/-11.439 χ^2/NDF: 48.3/47

All: 3.666+/-8.120 χ^2/NDF: 128.3/98

- sign 8.331+/-11.527 χ^2/NDF: 79.6/50

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: 72.899+/-0.014 χ^2/NDF: 1338152.7/27

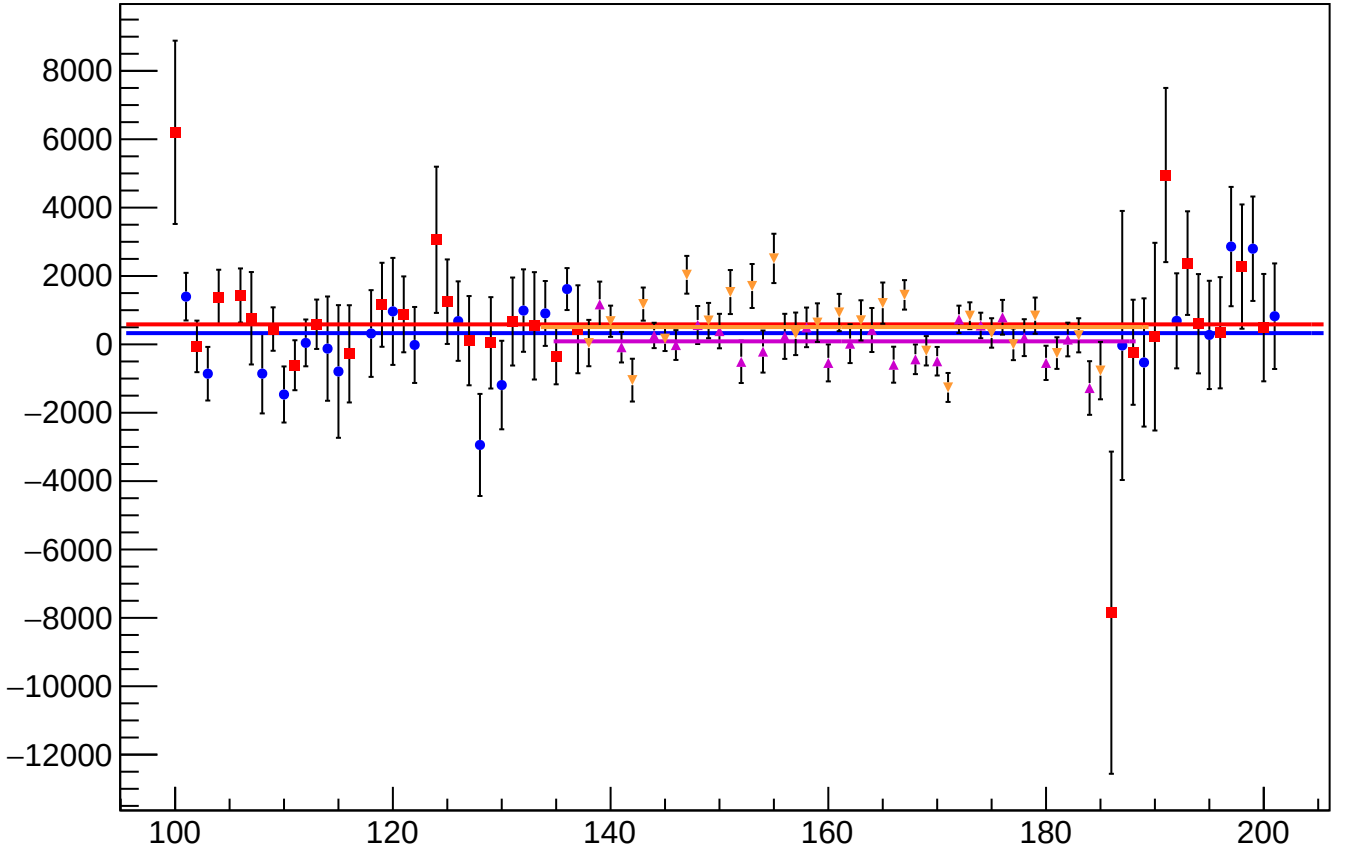
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 61.770+/-0.008 χ^2/NDF: 3677468.2/47

All: 62.110+/-0.006 χ^2/NDF: 7235118.2/98

- sign 62.454+/-0.008 χ^2/NDF: 3554097.9/50

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: 585.069+/-214.633 χ^2/NDF: 22.6/27

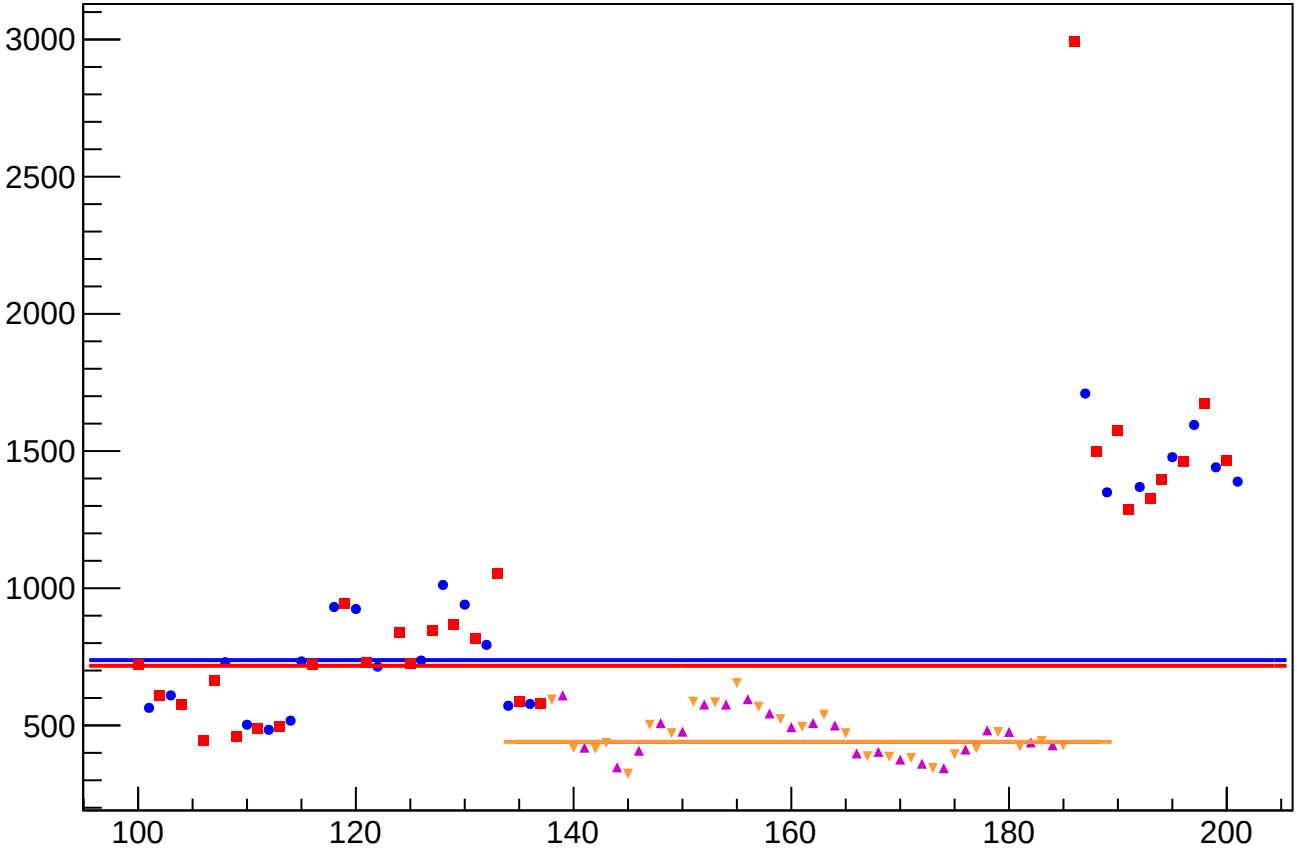
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 477.475+/-92.925 χ^2/NDF: 94.1/47

All: 332.251+/-66.080 χ^2/NDF: 149.3/98

- sign 183.694+/-93.986 χ^2/NDF: 50.2/50

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: 717.395+/-0.152 χ^2/NDF: 4822918.7/27

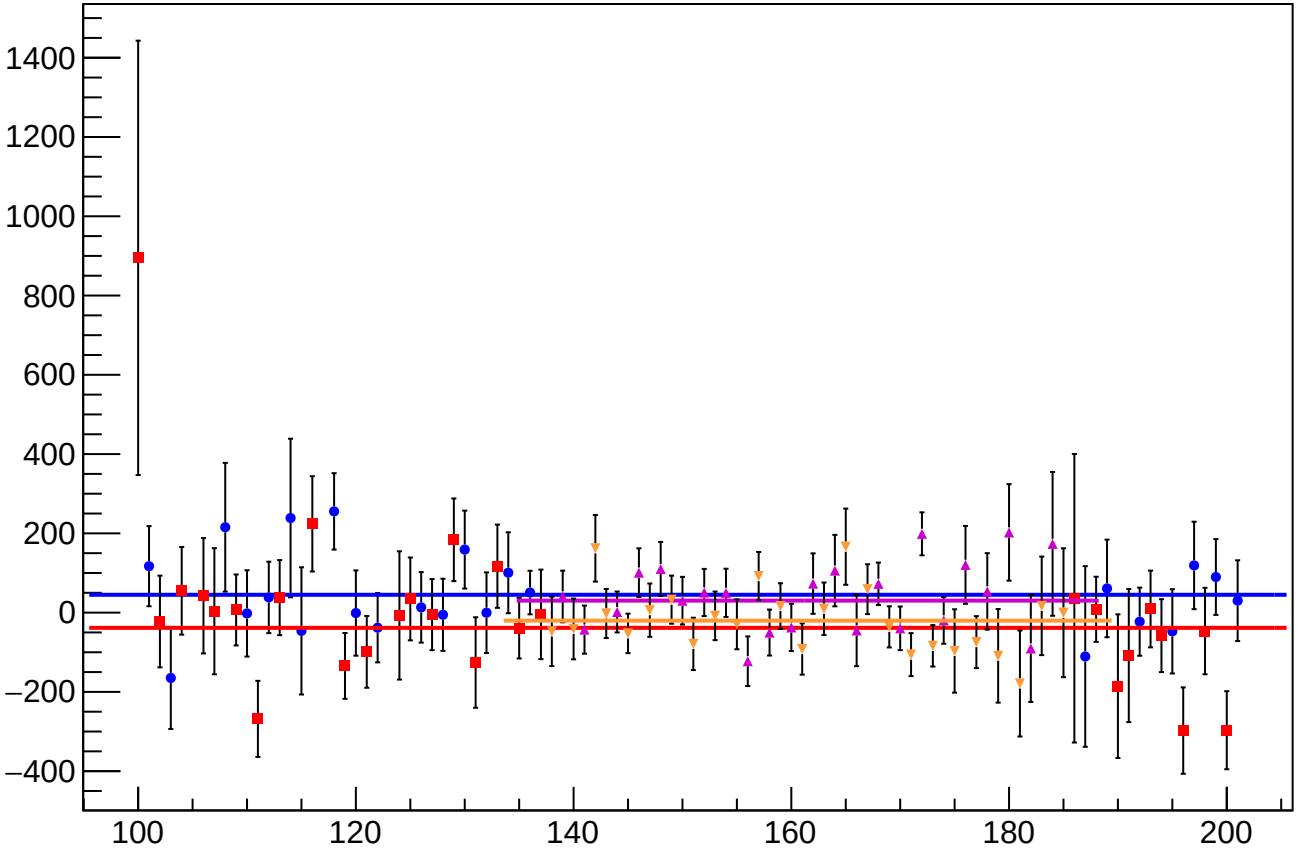
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 489.642+/-0.066 χ^2/NDF: 7546942.5/47

All: 491.347+/-0.047 χ^2/NDF: 16135636.2/98

- sign 493.091+/-0.066 χ^2/NDF: 8587331.9/50

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: -38.393+/-20.377 χ^2/NDF: 39.3/27

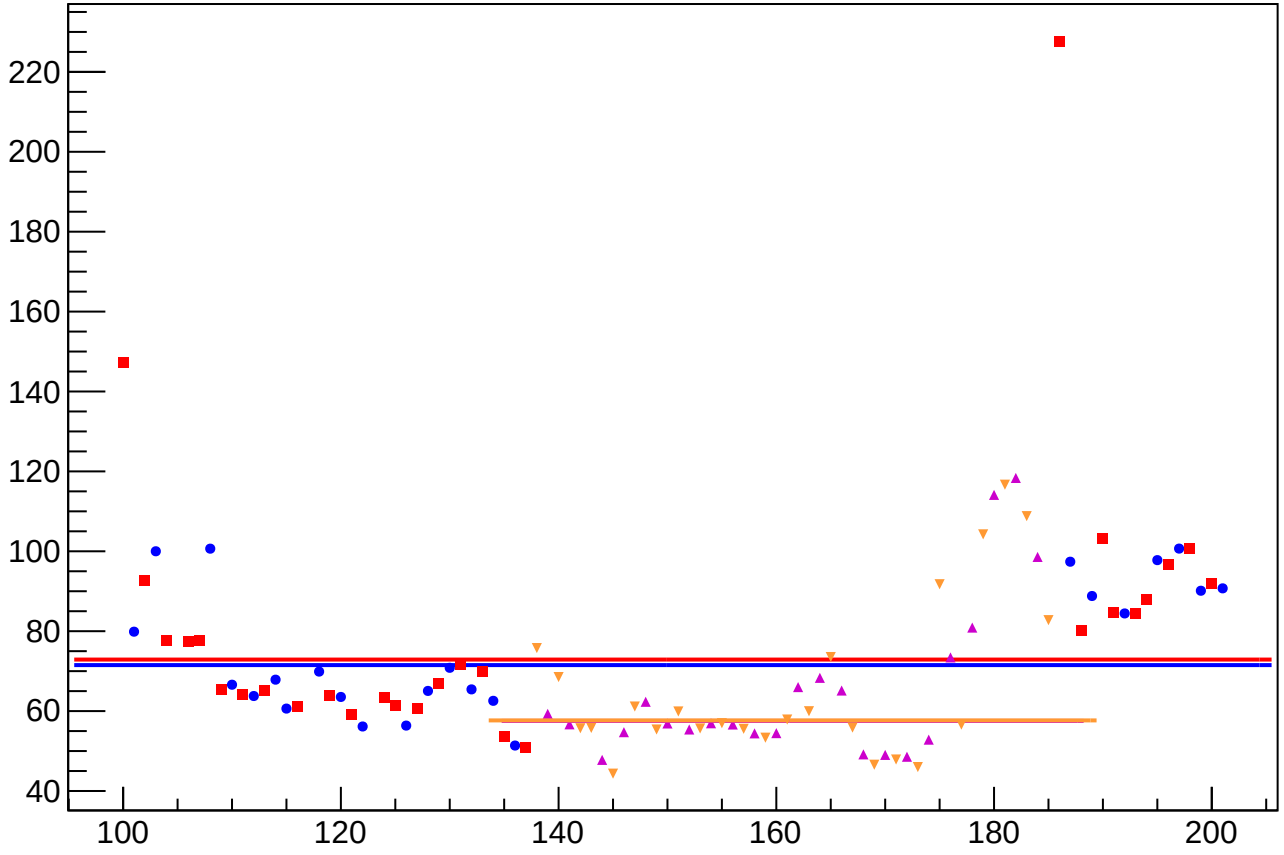
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -0.929+/-11.439 χ^2/NDF: 48.3/47

All: 3.665+/-8.120 χ^2/NDF: 128.3/98

- sign 8.330+/-11.527 χ^2/NDF: 79.6/50

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

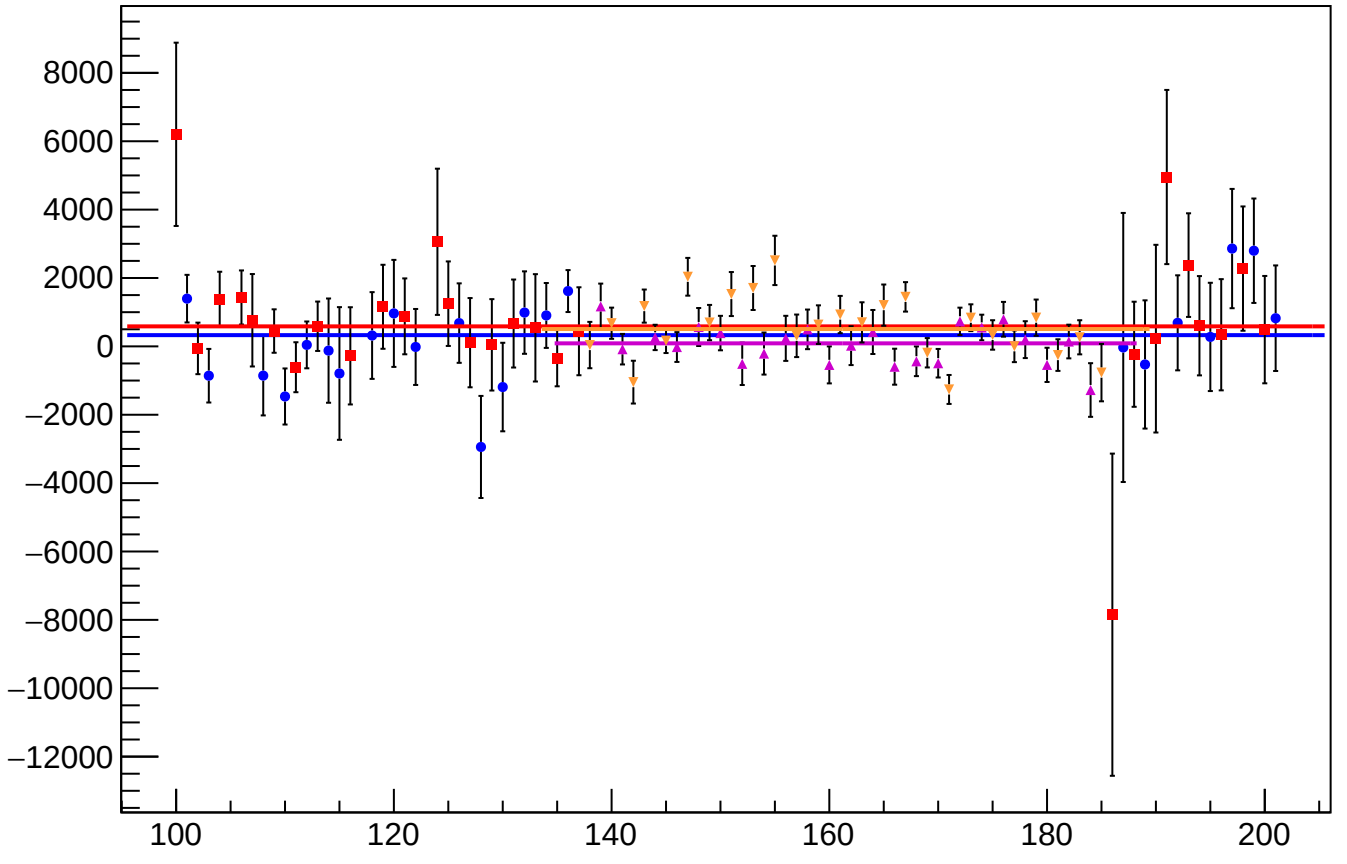
Right Out: 72.899+/-0.014 χ^2/NDF: 1338166.4/27

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 61.770+/-0.008 χ^2/NDF: 3677436.7/47

All: 62.110+/-0.006 χ^2/NDF: 7235064.6/98

- sign 62.454+/-0.008 χ^2/NDF: 3554076.2/50



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: 585.069+/-214.632 χ^2/NDF: 22.6/27

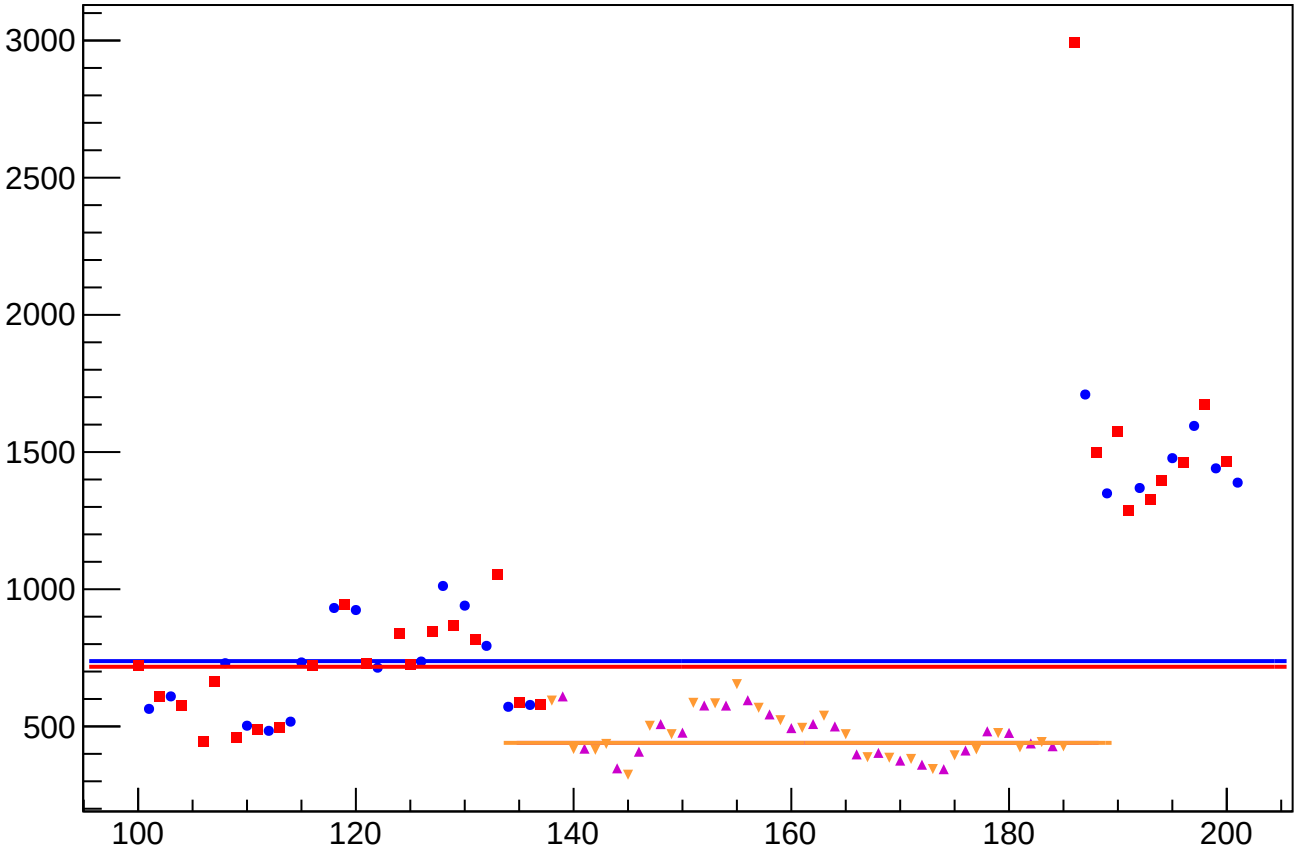
Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 477.475+/-92.925 χ^2/NDF: 94.1/47

All: 332.250+/-66.080 χ^2/NDF: 149.3/98

- sign 183.693+/-93.986 χ^2/NDF: 50.2/50

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



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: 717.394+/-0.152 χ^2/NDF: 4822920.7/27

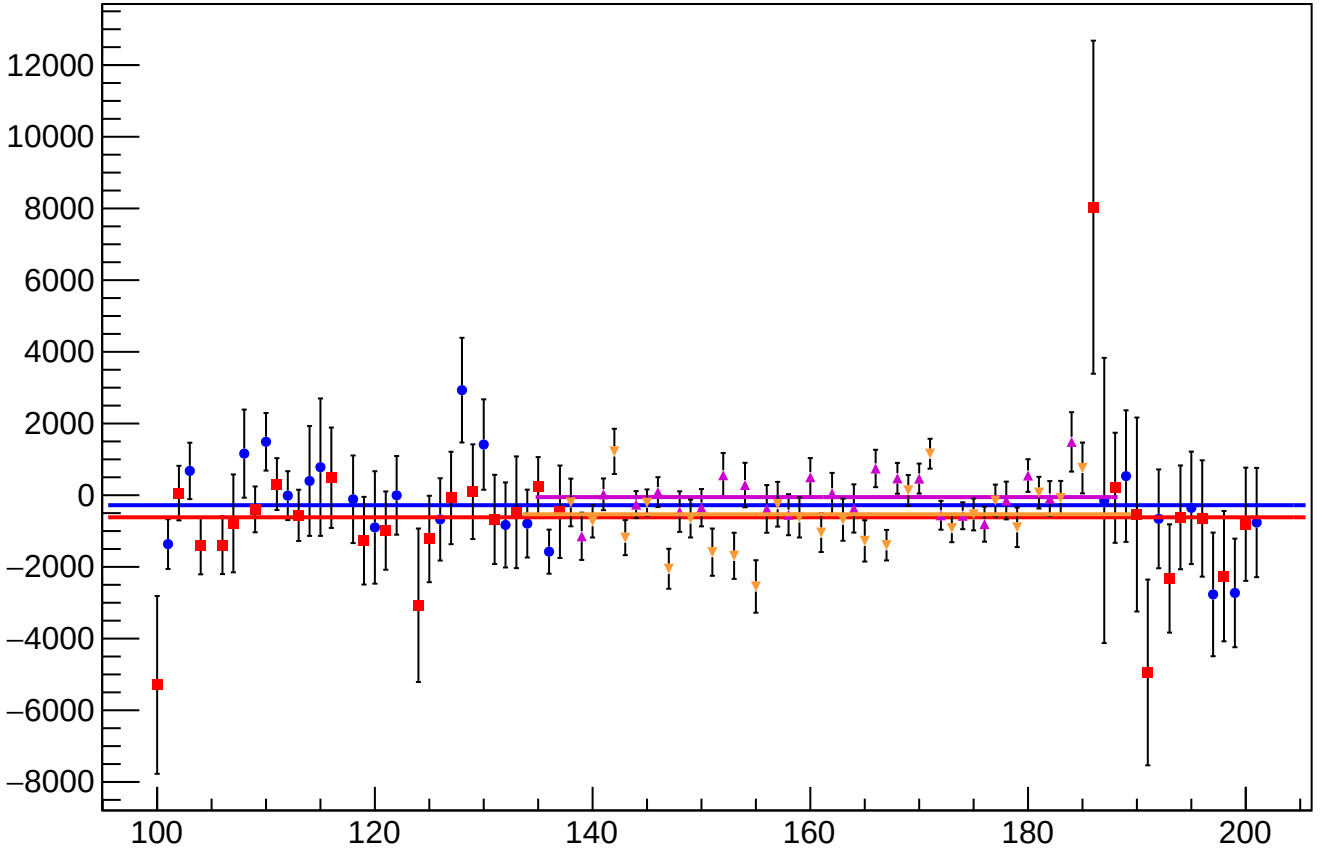
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 489.641+/-0.066 χ^2/NDF: 7546965.6/47

All: 491.346+/-0.047 χ^2/NDF: 16135682.2/98

- sign 493.090+/-0.066 χ^2/NDF: 8587354.8/50

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: -616.069+/-213.974 χ^2/NDF: 20.9/27

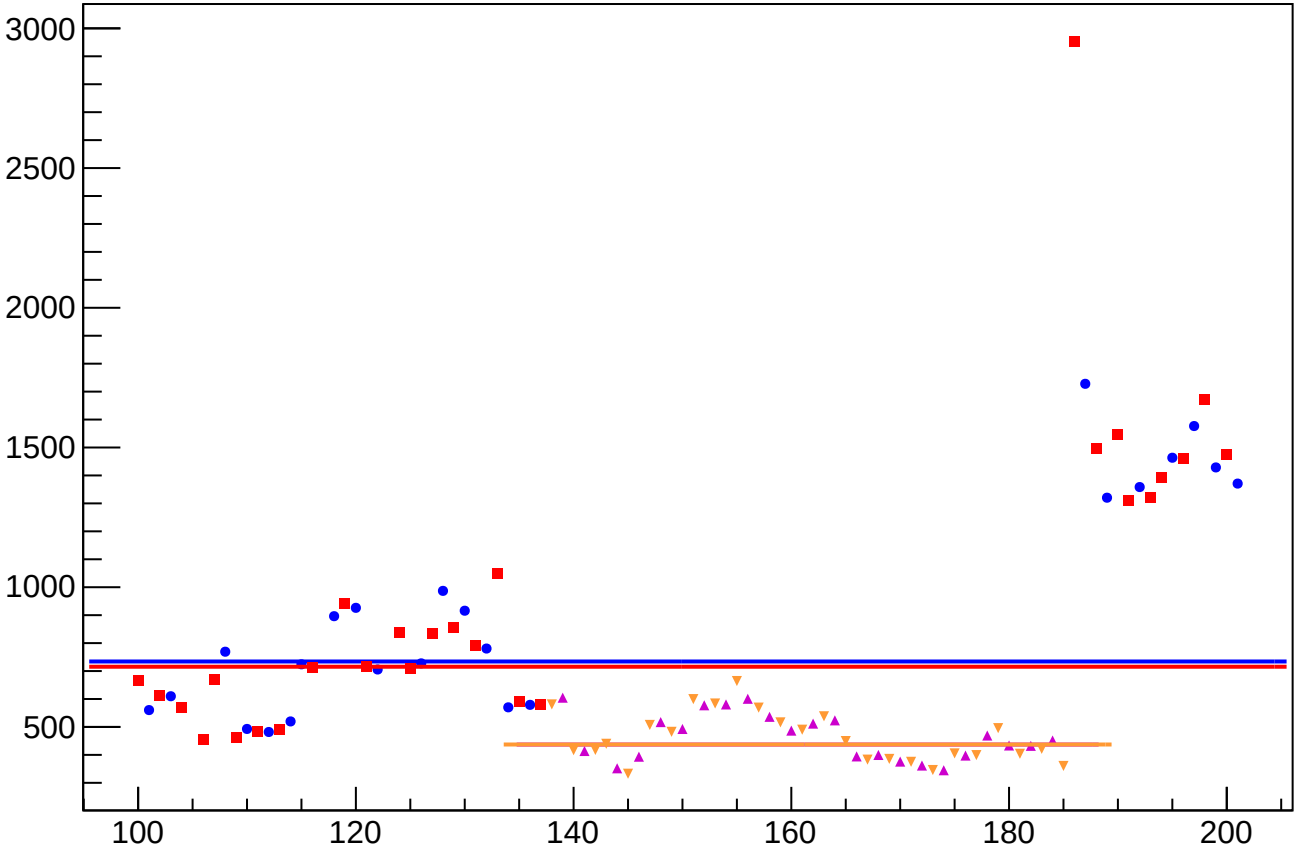
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -489.478+/-92.434 χ^2/NDF: 94.4/47

All: -326.536+/-65.714 χ^2/NDF: 151.2/98

- sign -160.020+/-93.442 χ^2/NDF: 50.6/50

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

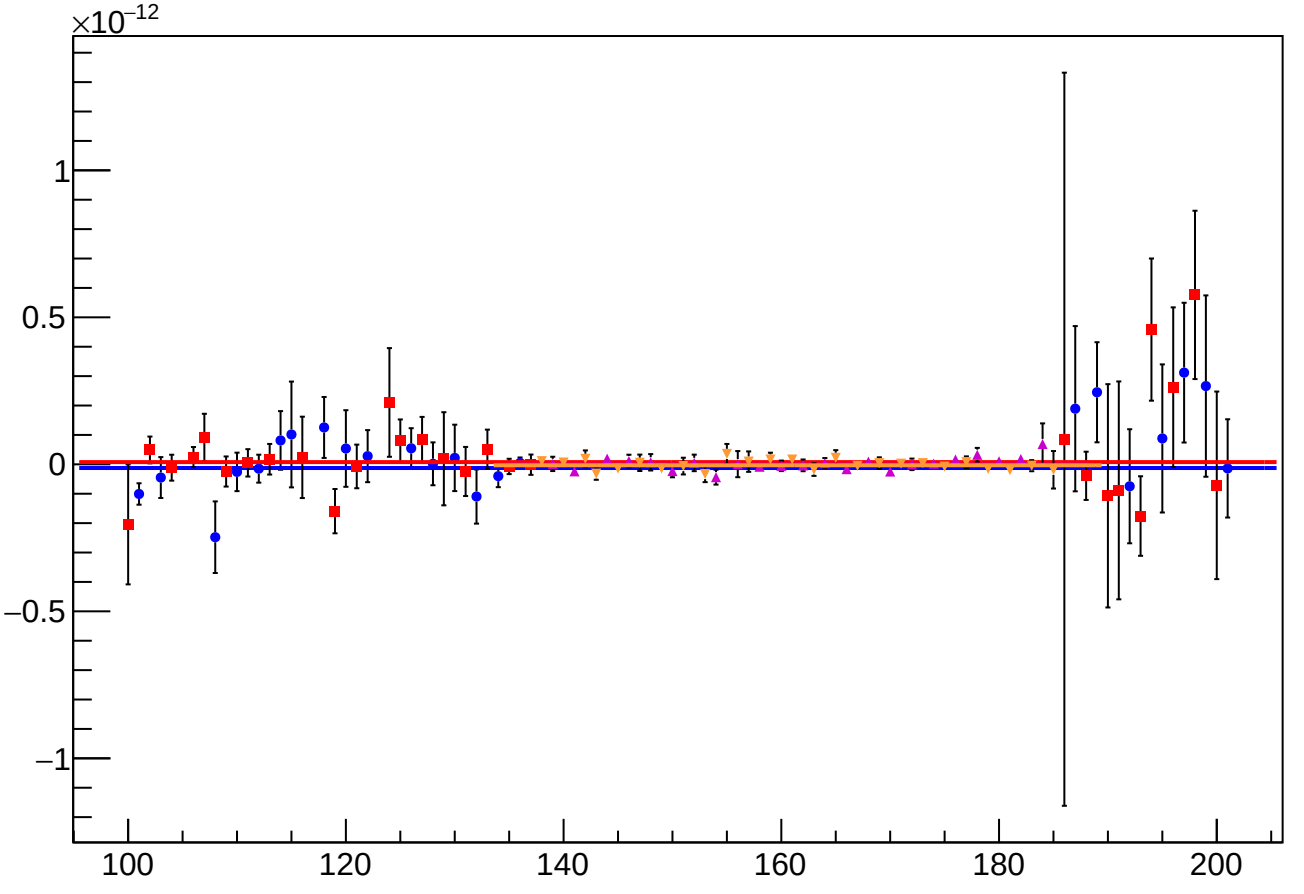
Right Out: 715.475+/-0.151 χ^2/NDF: 4787244.0/27

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 486.616+/-0.065 χ^2/NDF: 7540505.3/47

All: 488.318+/-0.046 χ^2/NDF: 16151881.9/98

- sign 490.056+/-0.066 χ^2/NDF: 8610006.8/50



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: 23.7/27

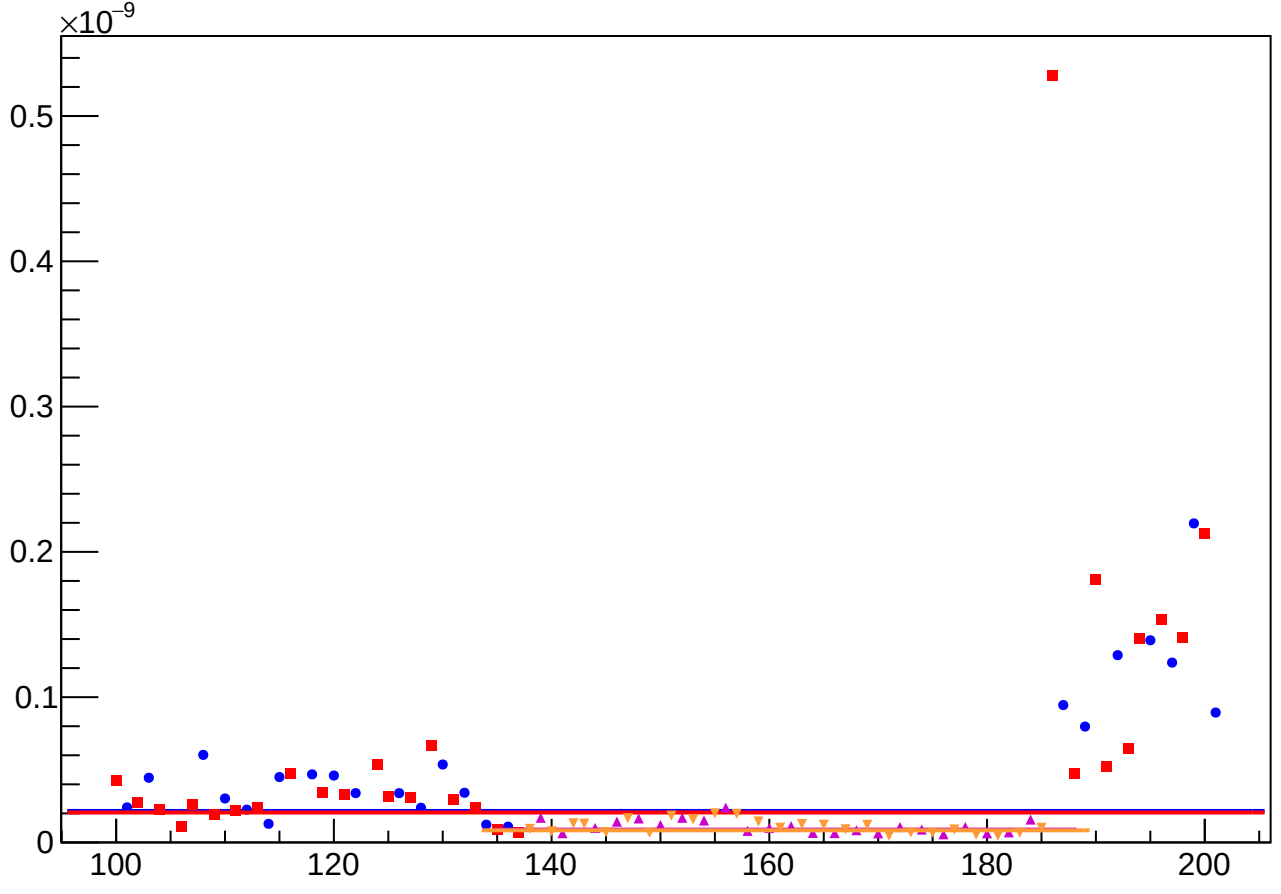
Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/47

All: -0.000+/-0.000 χ^2/NDF: 84.3/98

- sign -0.000+/-0.000 χ^2/NDF: 46.2/50

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



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: 4684989.8/27

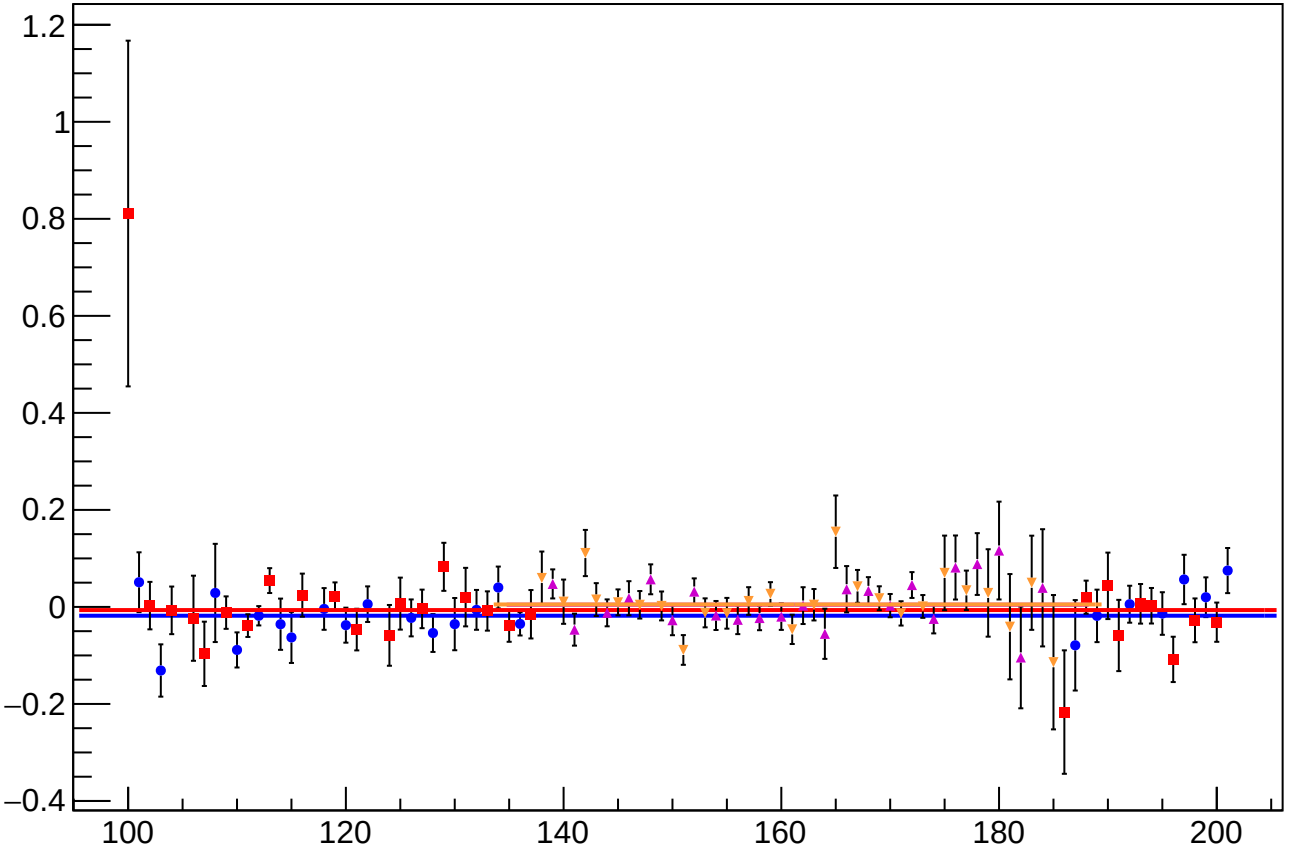
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9068378.9/47

All: 0.000+/-0.000 χ^2/NDF: 17215633.1/98

- sign 0.000+/-0.000 χ^2/NDF: 8120008.1/50

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: 32.2/27

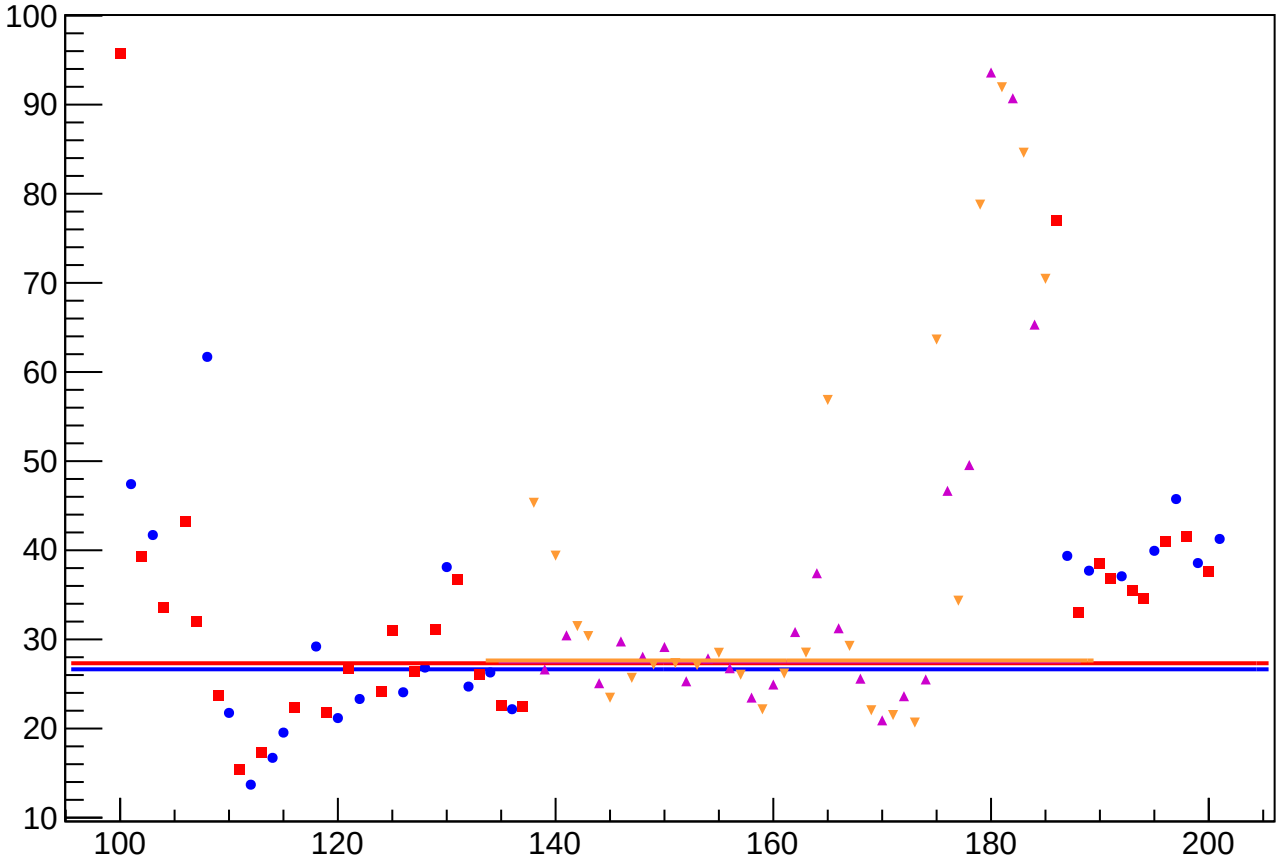
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.004+/-0.005 χ^2/NDF: 55.6/47

All: -0.002+/-0.004 χ^2/NDF: 114.2/98

- sign -0.000+/-0.005 χ^2/NDF: 58.4/50

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

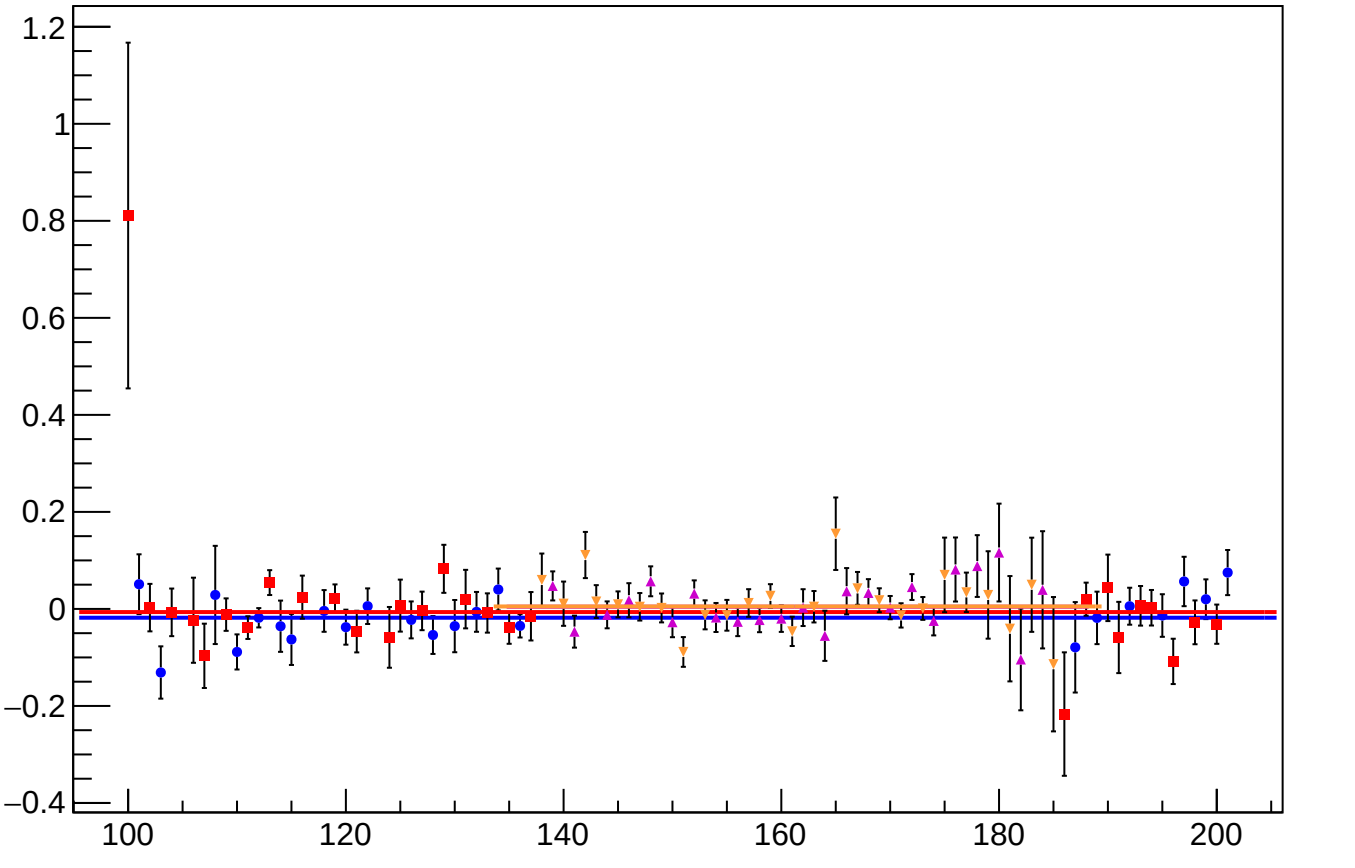
Right Out: 27.325+/-0.006 χ^2/NDF: 2495942.4/27

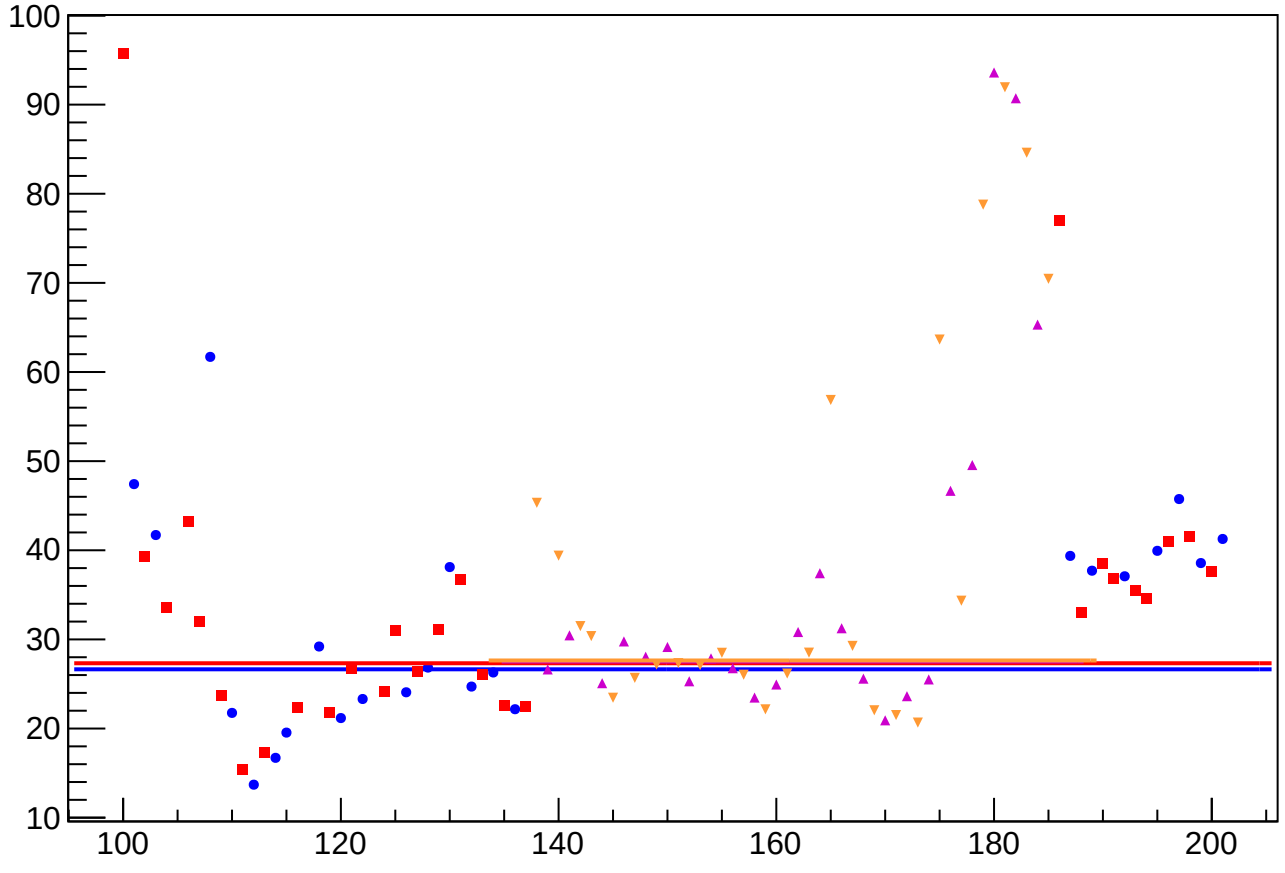
Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.235+/-0.004 χ^2/NDF: 6948749.5/47

All: 27.337+/-0.003 χ^2/NDF: 12081416.2/98

- sign 27.437+/-0.004 χ^2/NDF: 5131195.3/50


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: 32.2/27
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: 114.2/98
- sign -0.000+/-0.005 χ²/NDF: 58.4/50



Right In: 26.645+/-0.006 χ^2/NDF: 2957798.5/22

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

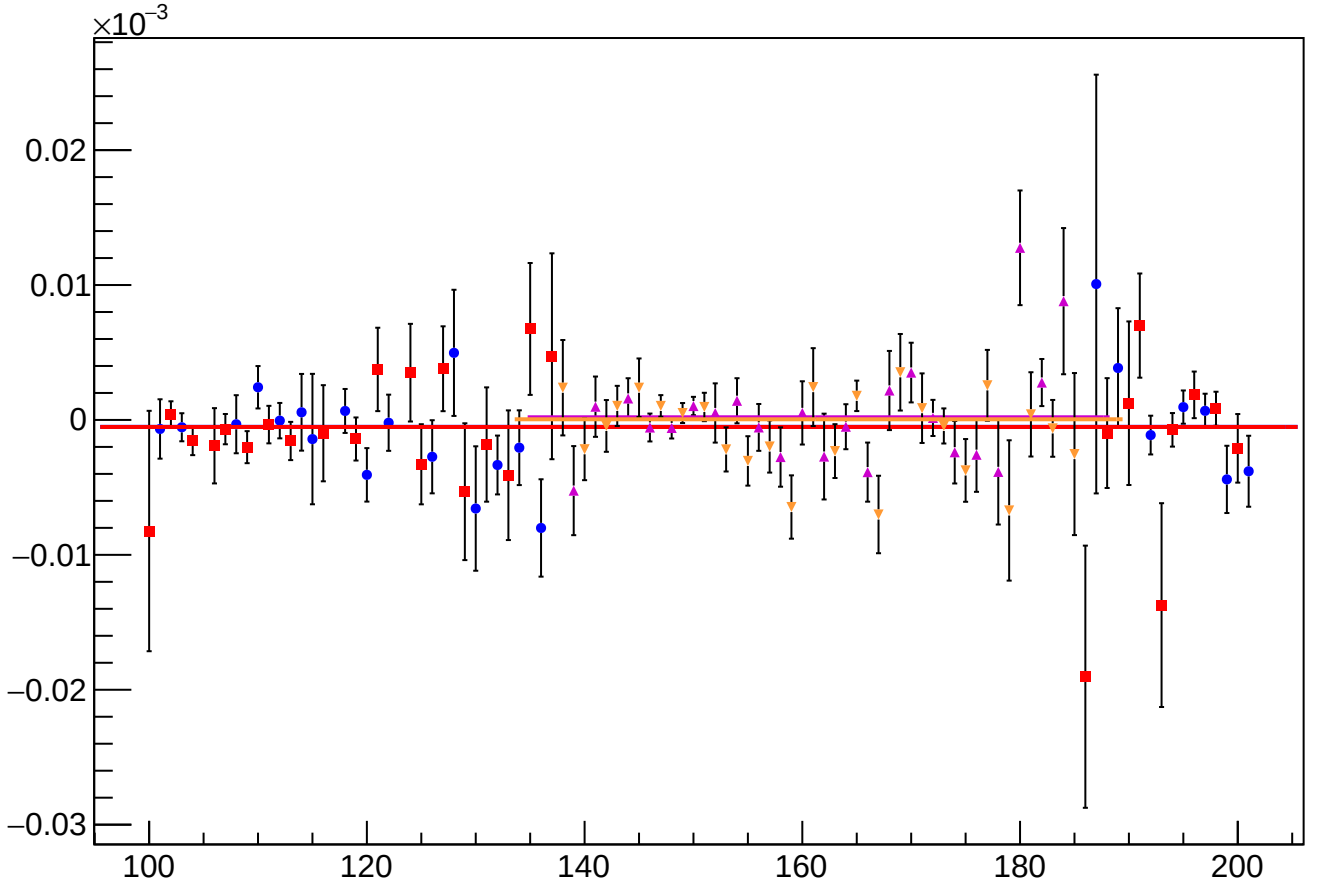
Right Out: 27.325+/-0.006 χ^2/NDF: 2495942.4/27

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.235+/-0.004 χ^2/NDF: 6948749.5/47

All: 27.337+/-0.003 χ^2/NDF: 12081416.2/98

- sign 27.437+/-0.004 χ^2/NDF: 5131195.3/50



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: 29.5/27

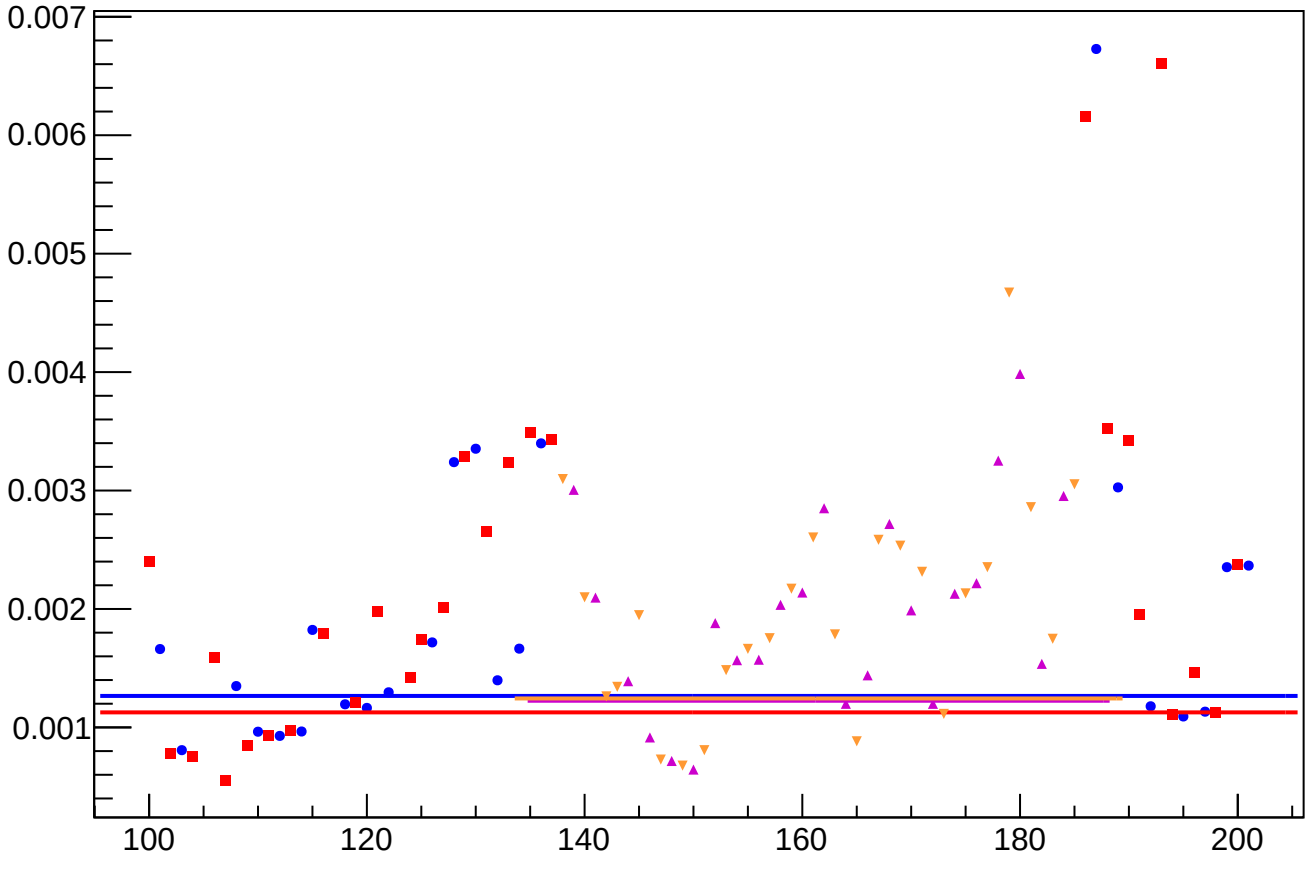
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.7/47

All: -0.000+/-0.000 χ^2/NDF: 128.7/98

- sign -0.000+/-0.000 χ^2/NDF: 64.9/50

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3651479.6/22

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

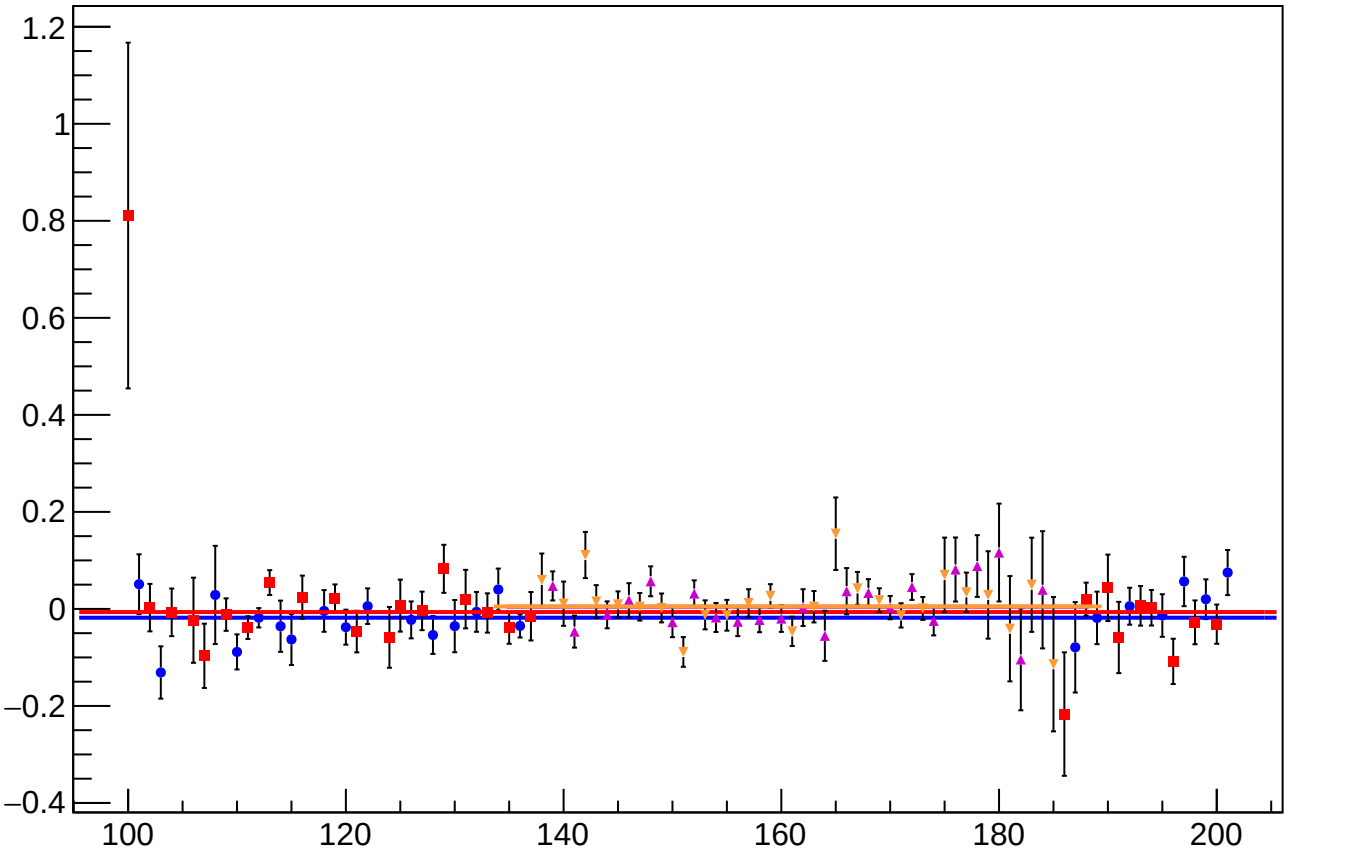
Right Out: 0.001+/-0.000 χ^2/NDF: 6675569.2/27

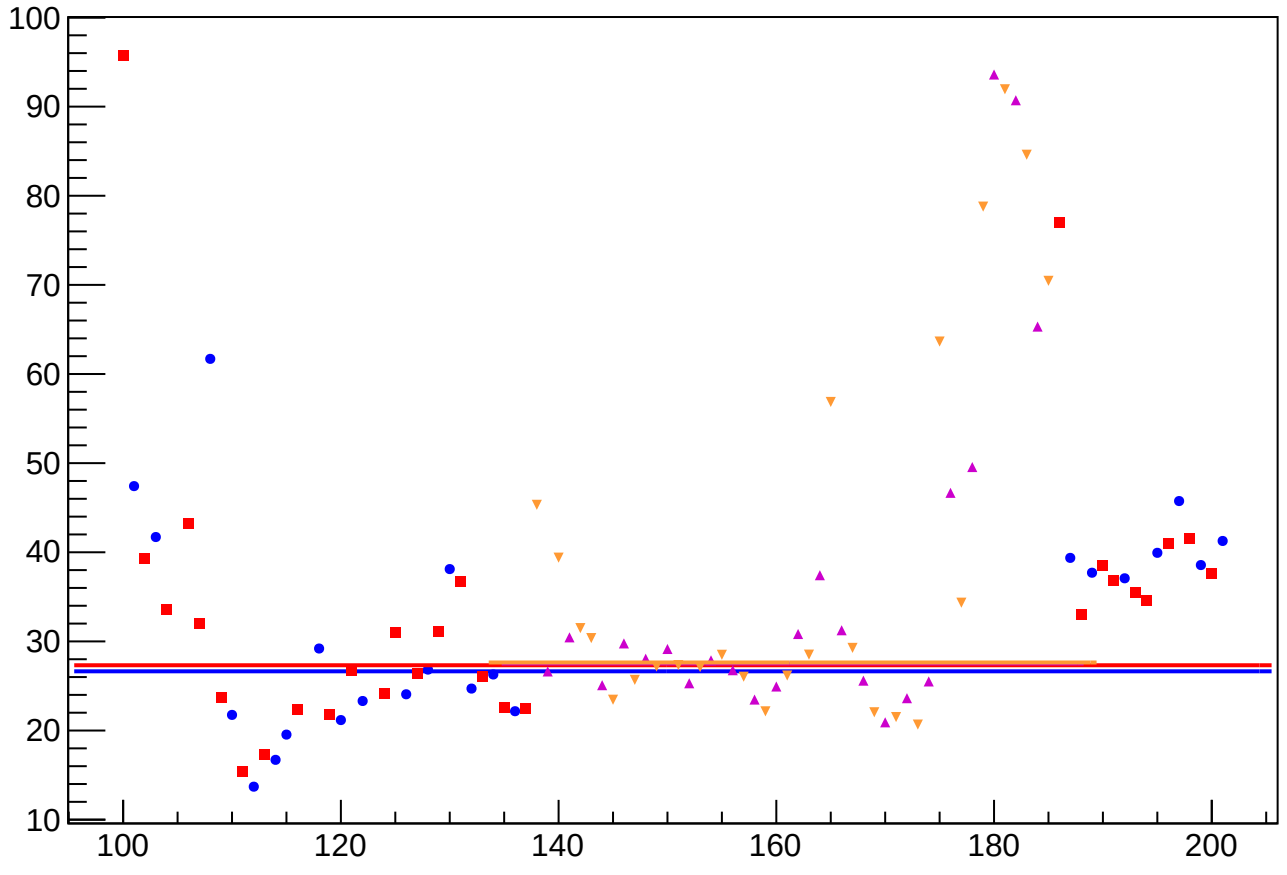
Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 11995908.5/47

All: 0.001+/-0.000 χ^2/NDF: 26659638.9/98

- sign 0.001+/-0.000 χ^2/NDF: 14578780.8/50


asym_sam_15_48_dd_eigen_dit_vs_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: 32.2/27
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: 114.2/98
- sign -0.000+/-0.005 χ²/NDF: 58.4/50



Right In: 26.645+/-0.006 χ^2/NDF: 2957808.6/22

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

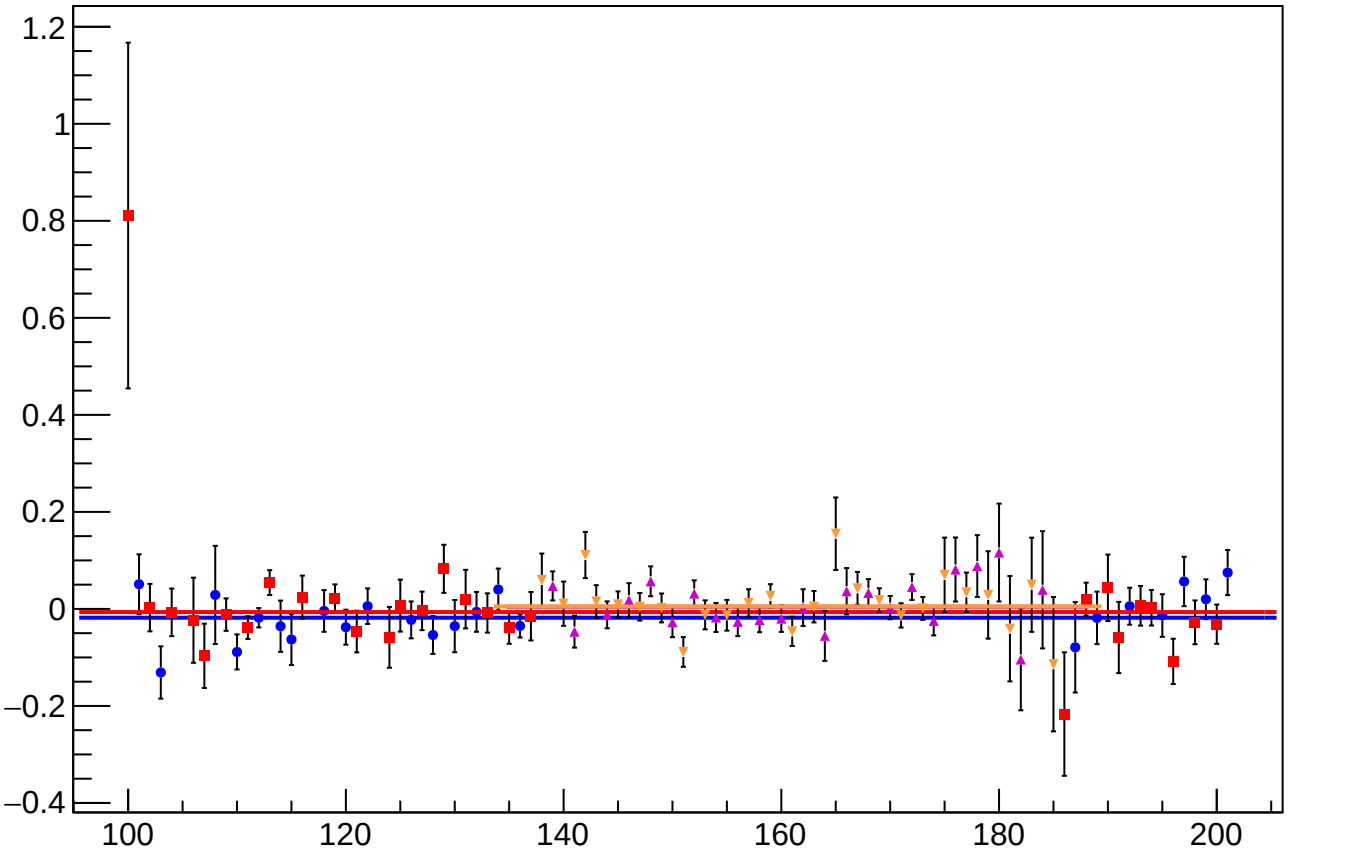
Right Out: 27.324+/-0.006 χ^2/NDF: 2496043.6/27

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.235+/-0.004 χ^2/NDF: 6948719.3/47

All: 27.337+/-0.003 χ^2/NDF: 12081456.8/98

- sign 27.437+/-0.004 χ^2/NDF: 5131267.3/50



Right In: -0.018+/-0.008 χ^2/NDF: 22.5/22

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

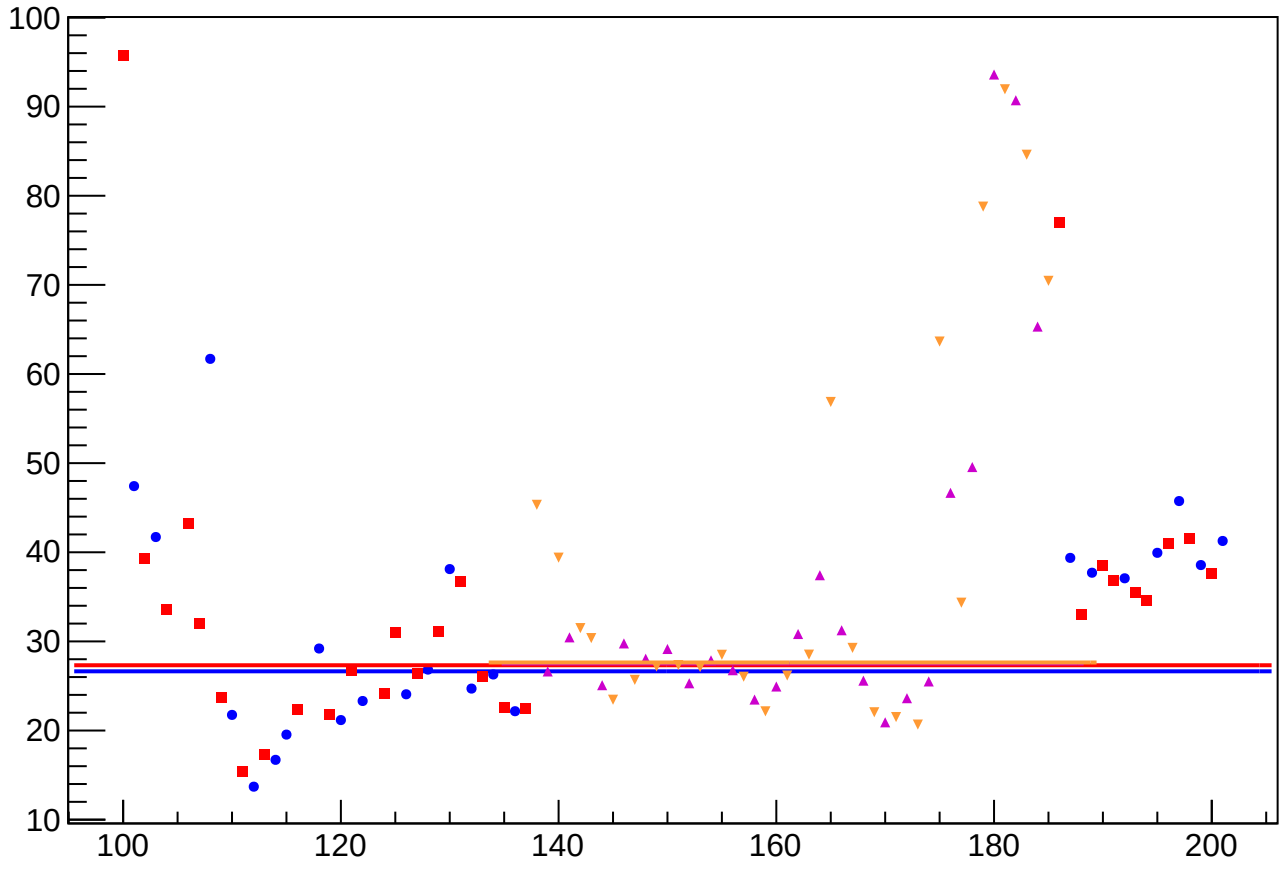
Right Out: -0.006+/-0.008 χ^2/NDF: 32.2/27

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: 114.2/98

- sign -0.000+/-0.005 χ^2/NDF: 58.4/50



Right In: 26.645+/-0.006 χ^2/NDF: 2957808.6/22

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

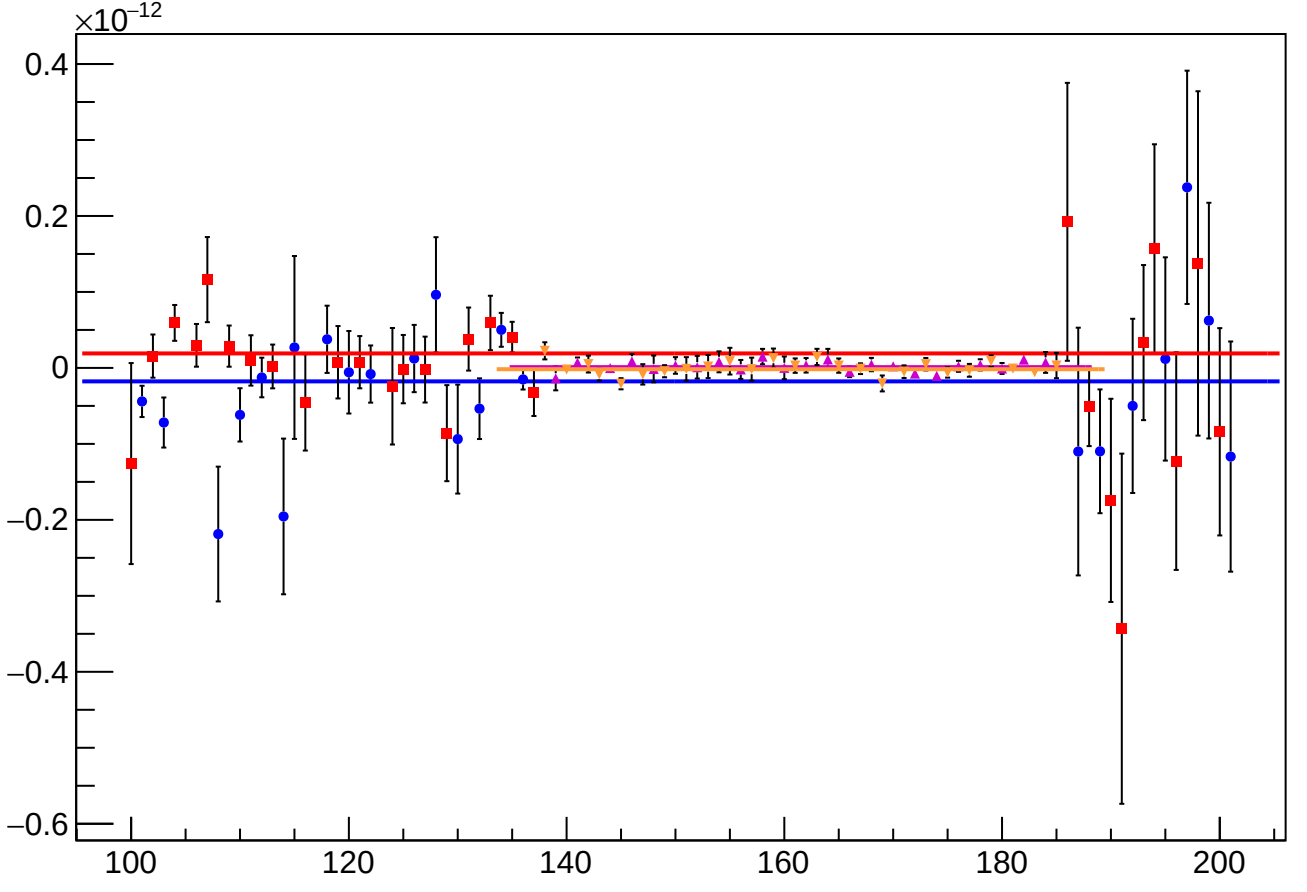
Right Out: 27.324+/-0.006 χ^2/NDF: 2496043.6/27

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.235+/-0.004 χ^2/NDF: 6948719.3/47

All: 27.337+/-0.003 χ^2/NDF: 12081456.8/98

- sign 27.437+/-0.004 χ^2/NDF: 5131267.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

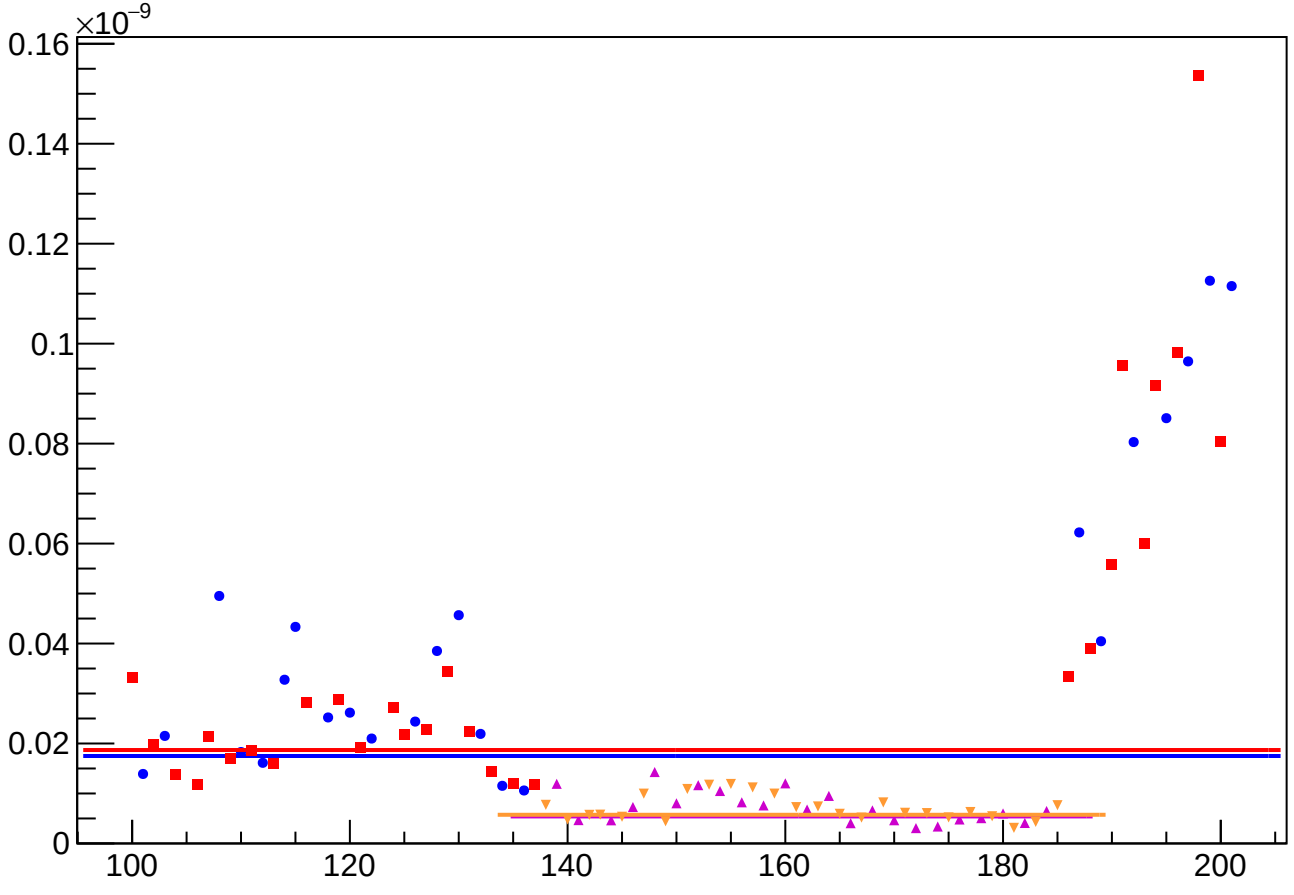
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/27

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: 117.0/98

- sign 0.000+/-0.000 χ^2/NDF: 50.0/50



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: 4267735.6/27

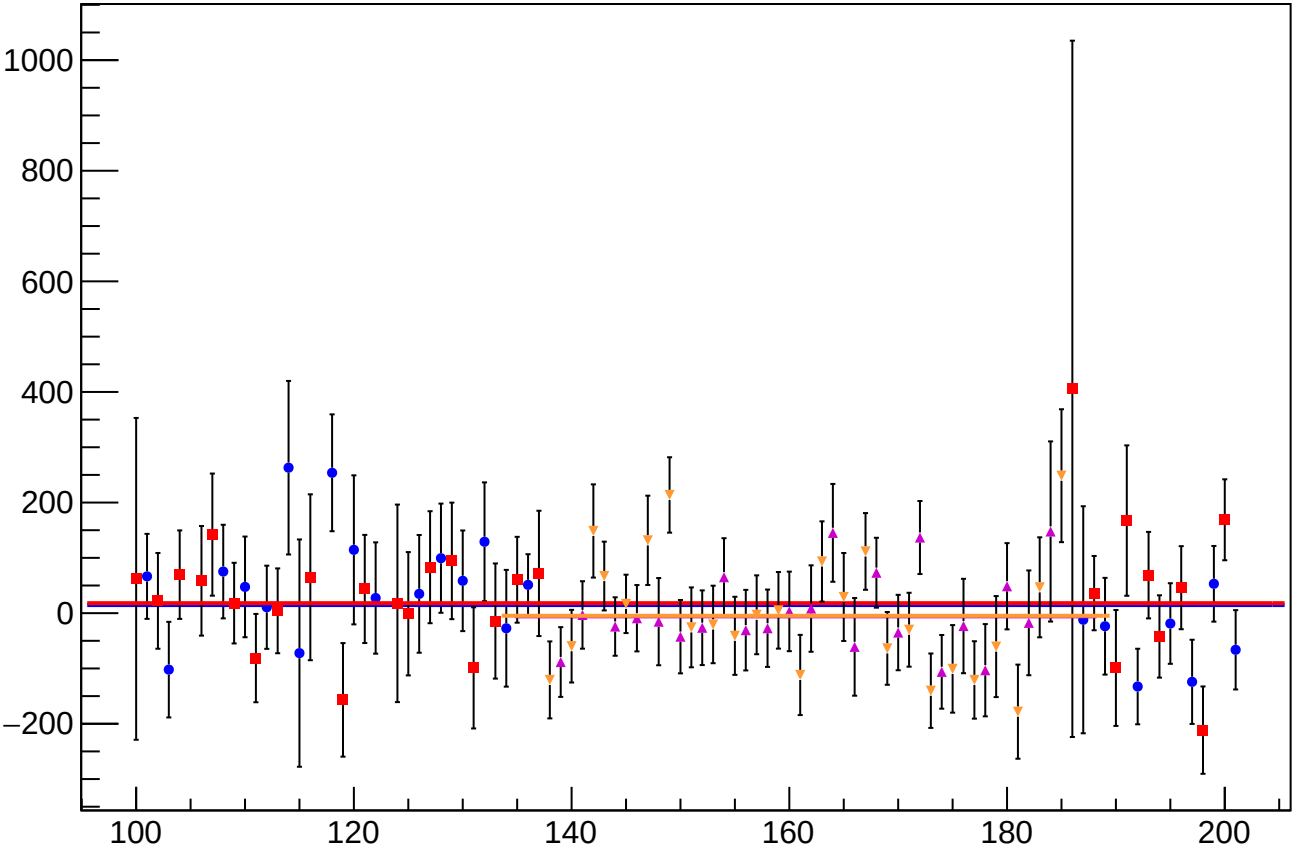
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12443321.6/47

All: 0.000+/-0.000 χ^2/NDF: 25868271.0/98

- sign 0.000+/-0.000 χ^2/NDF: 13399036.5/50

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: 18.059+/-17.677 χ^2/NDF: 26.1/27

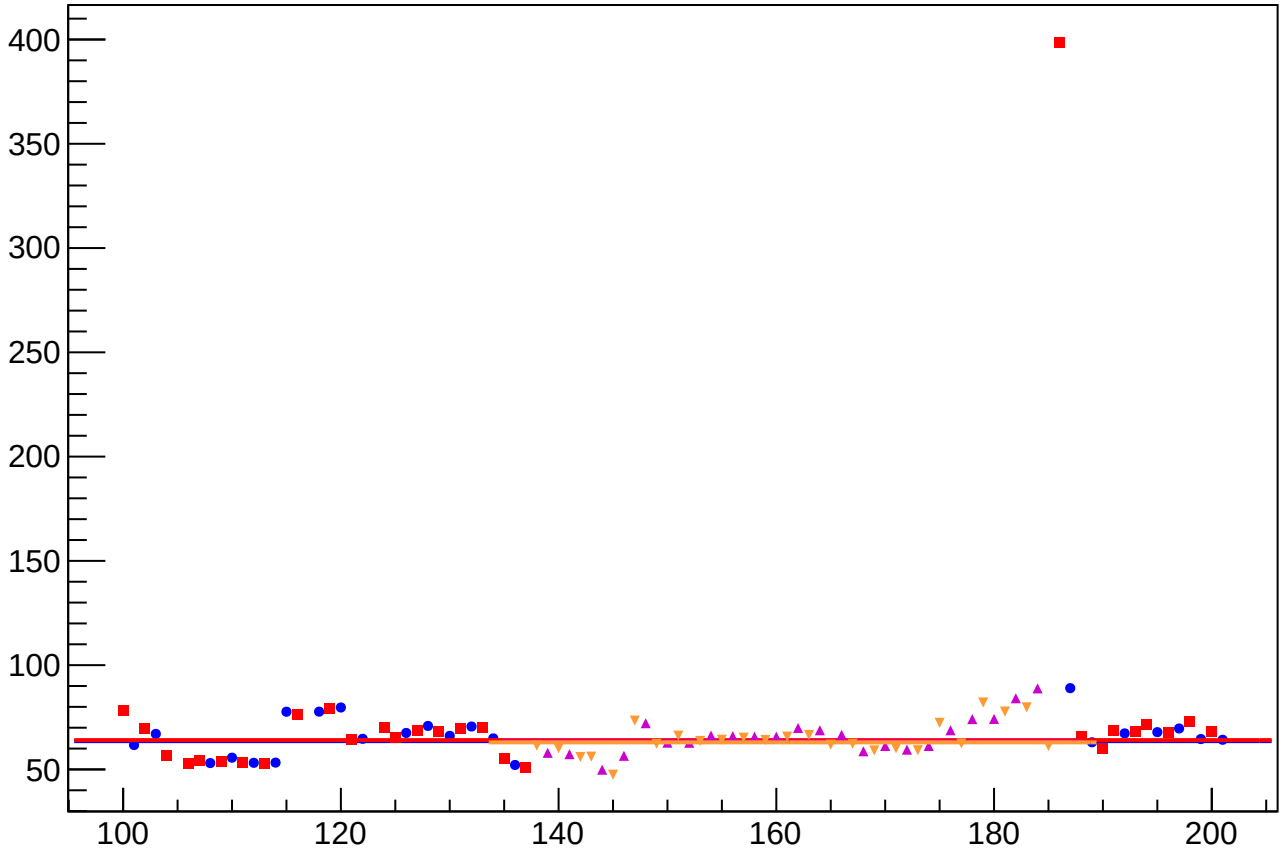
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 2.702+/-11.322 χ^2/NDF: 72.1/47

All: 3.420+/-8.036 χ^2/NDF: 117.5/98

- sign 4.148+/-11.406 χ^2/NDF: 45.4/50

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

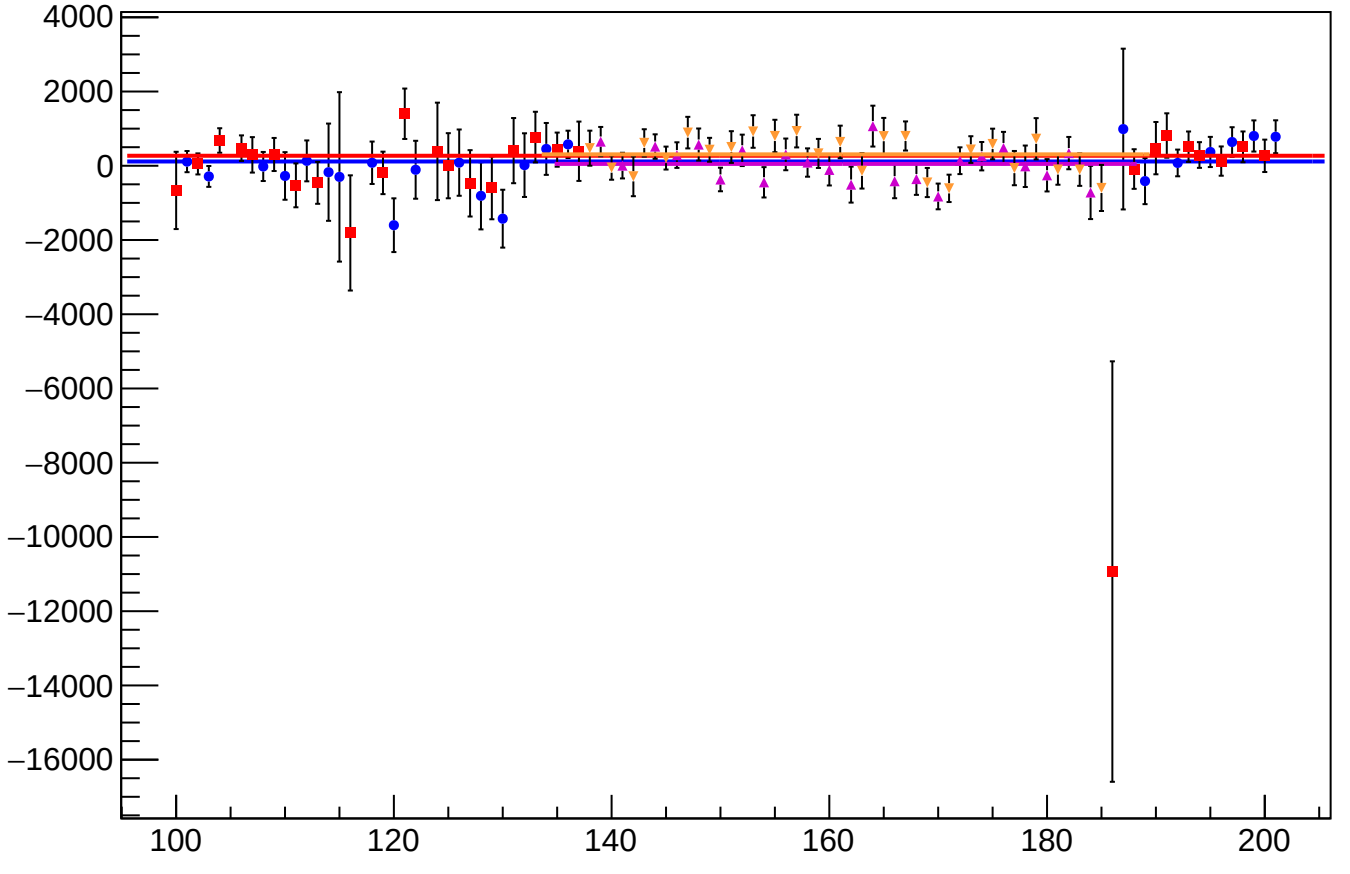
Right Out: 64.053+/-0.012 χ^2/NDF: 955119.3/27

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.203+/-0.008 χ^2/NDF: 865517.6/47

All: 63.426+/-0.006 χ^2/NDF: 2320883.9/98

- sign 63.652+/-0.008 χ^2/NDF: 1453810.0/50



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: 269.683+/-96.900 χ^2/NDF: 20.7/27

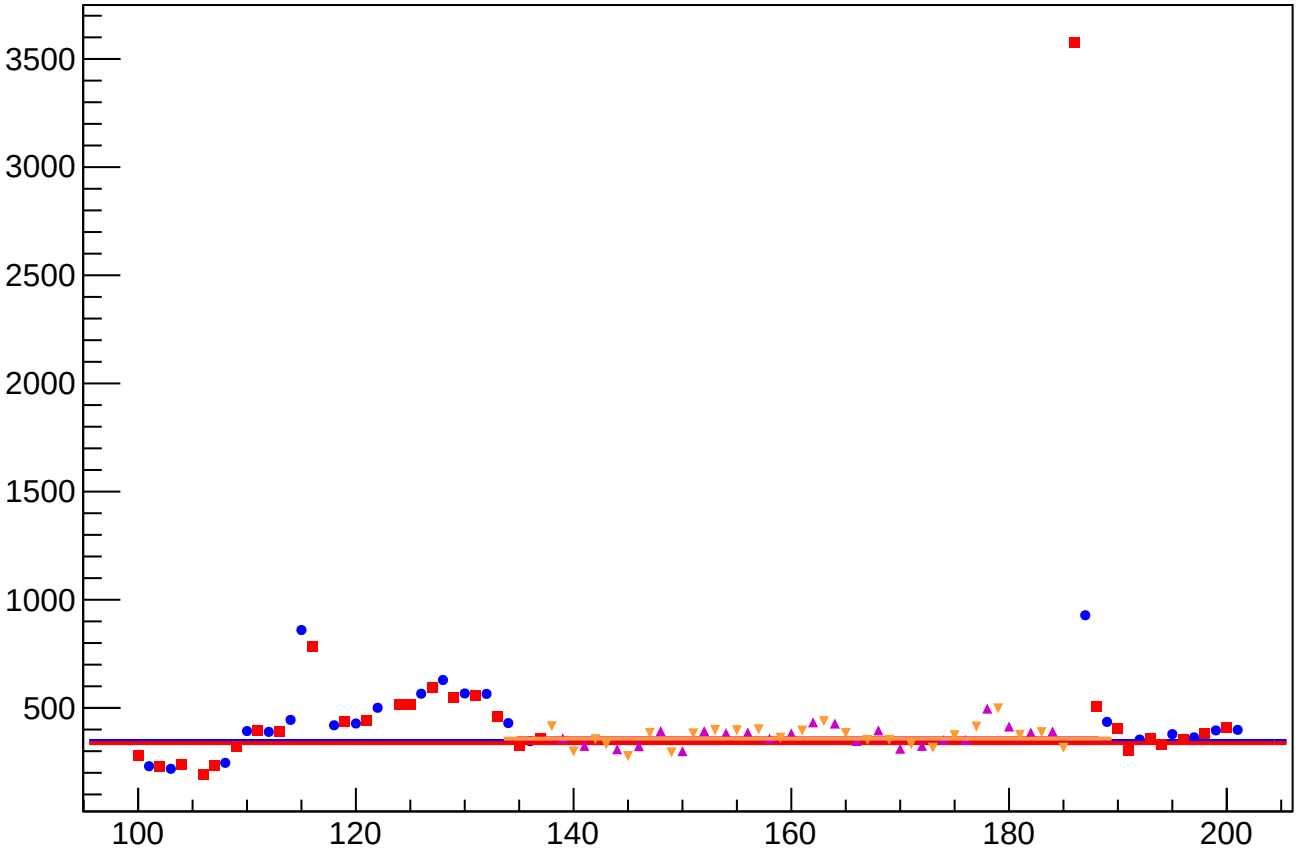
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 232.942+/-64.478 χ^2/NDF: 55.8/47

All: 188.700+/-45.362 χ^2/NDF: 107.6/98

- sign 145.343+/-63.831 χ^2/NDF: 50.9/50

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: 337.383+/-0.069 χ^2/NDF: 2833176.6/27

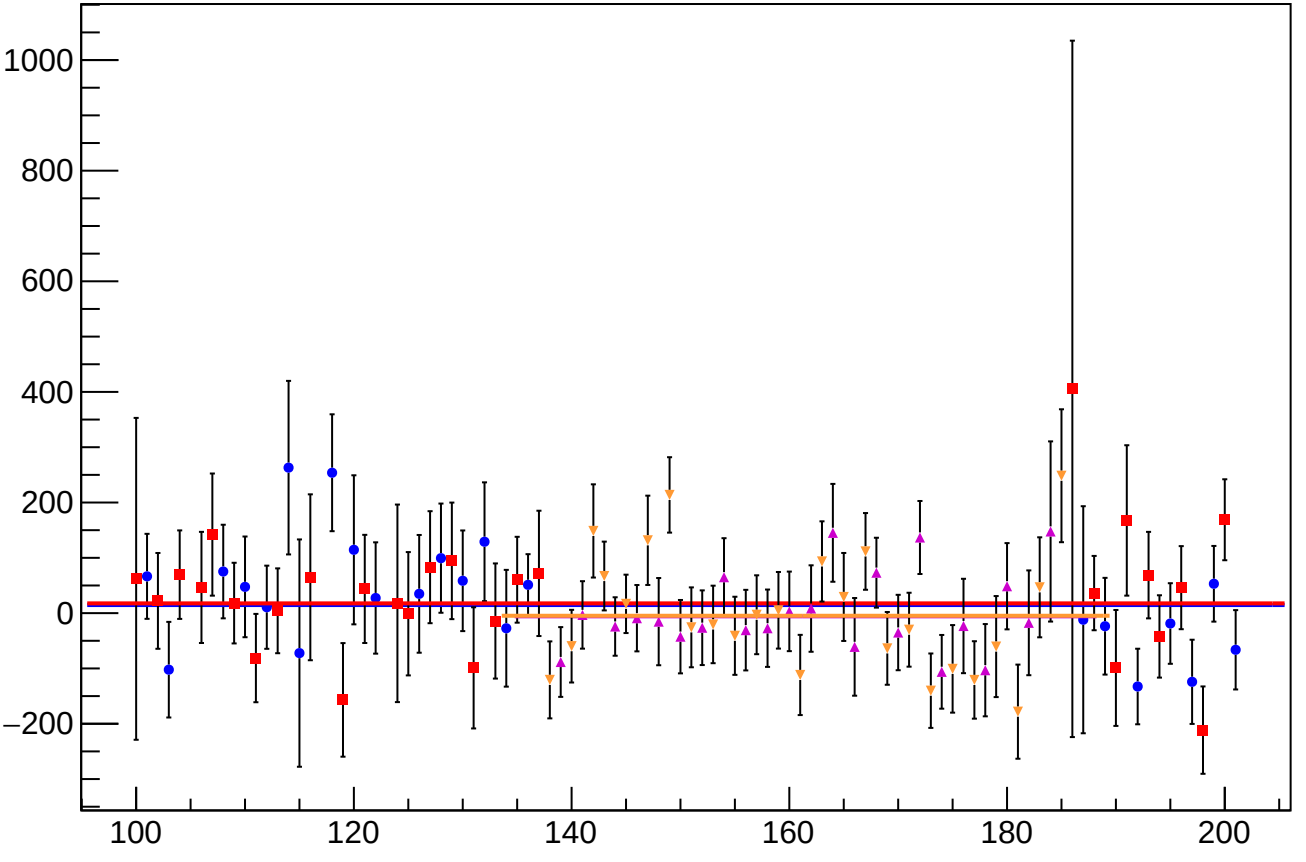
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 353.595+/-0.046 χ^2/NDF: 2737730.0/47

All: 351.687+/-0.032 χ^2/NDF: 6152319.0/98

- sign 349.818+/-0.045 χ^2/NDF: 3411122.2/50

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: 17.653+/-17.685 χ^2/NDF: 26.0/27

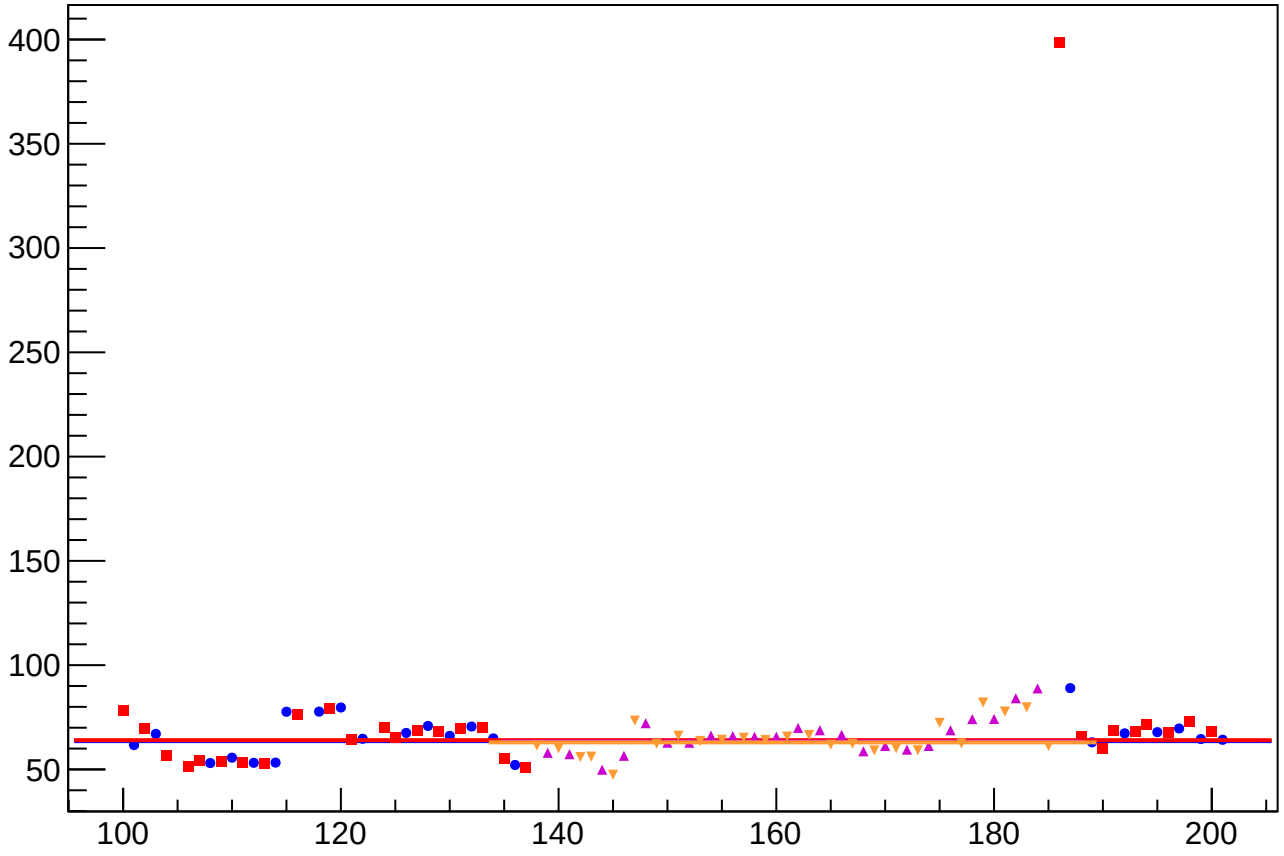
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 2.696+/-11.322 χ^2/NDF: 72.1/47

All: 3.330+/-8.036 χ^2/NDF: 117.4/98

- sign 3.975+/-11.409 χ^2/NDF: 45.3/50

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: 64.030+/-0.013 χ^2/NDF: 959452.3/27

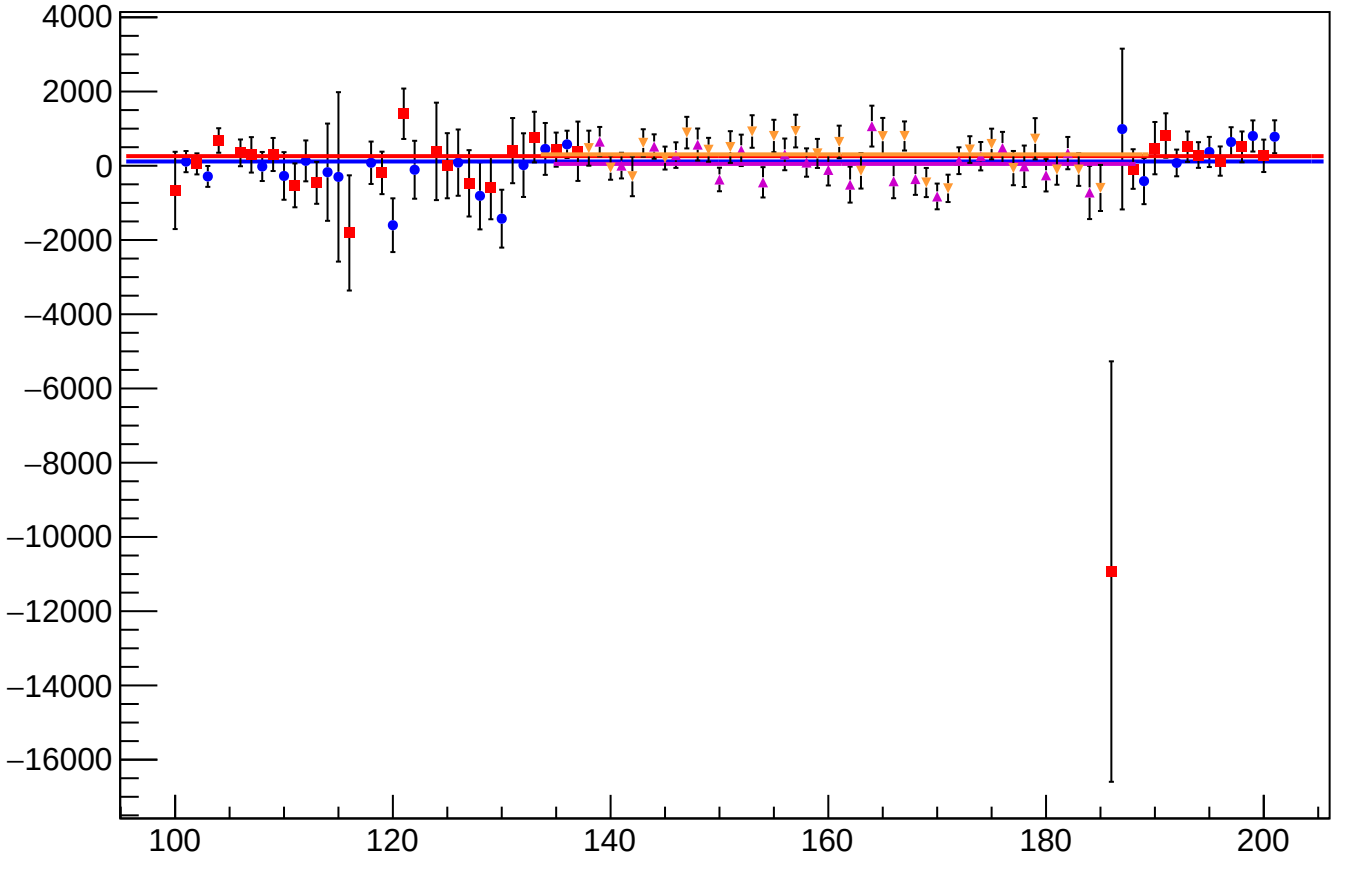
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.203+/-0.008 χ^2/NDF: 865517.8/47

All: 63.421+/-0.006 χ^2/NDF: 2325038.7/98

- sign 63.642+/-0.008 χ^2/NDF: 1458029.6/50

asym_sam_37_48_dd_cor_correction_mean vs Slug



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: 259.223+/-97.243 χ^2/NDF: 20.4/27

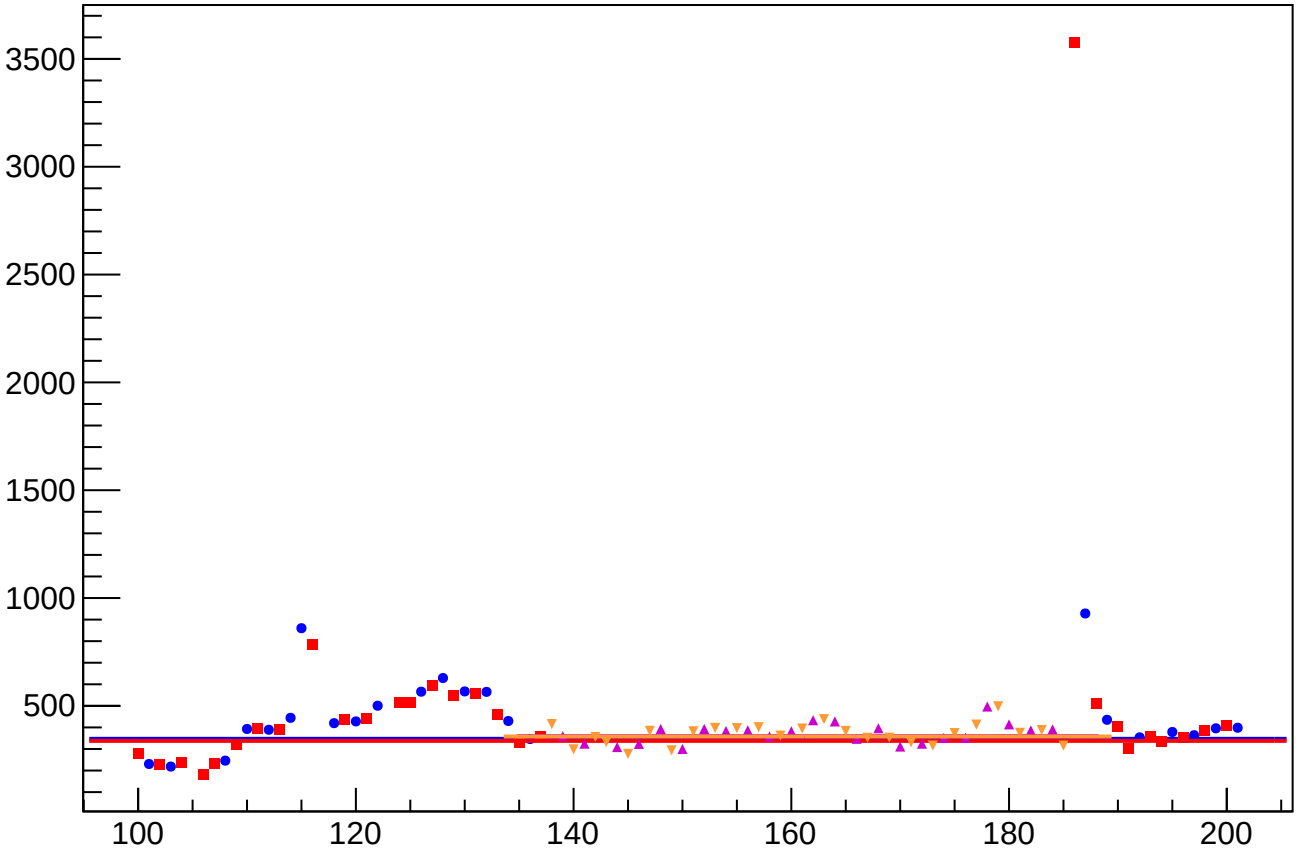
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 232.942+/-64.478 χ^2/NDF: 55.8/47

All: 186.295+/-45.397 χ^2/NDF: 107.1/98

- sign 140.440+/-63.928 χ^2/NDF: 50.3/50

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: 337.668+/-0.069 χ^2/NDF: 2849576.5/27

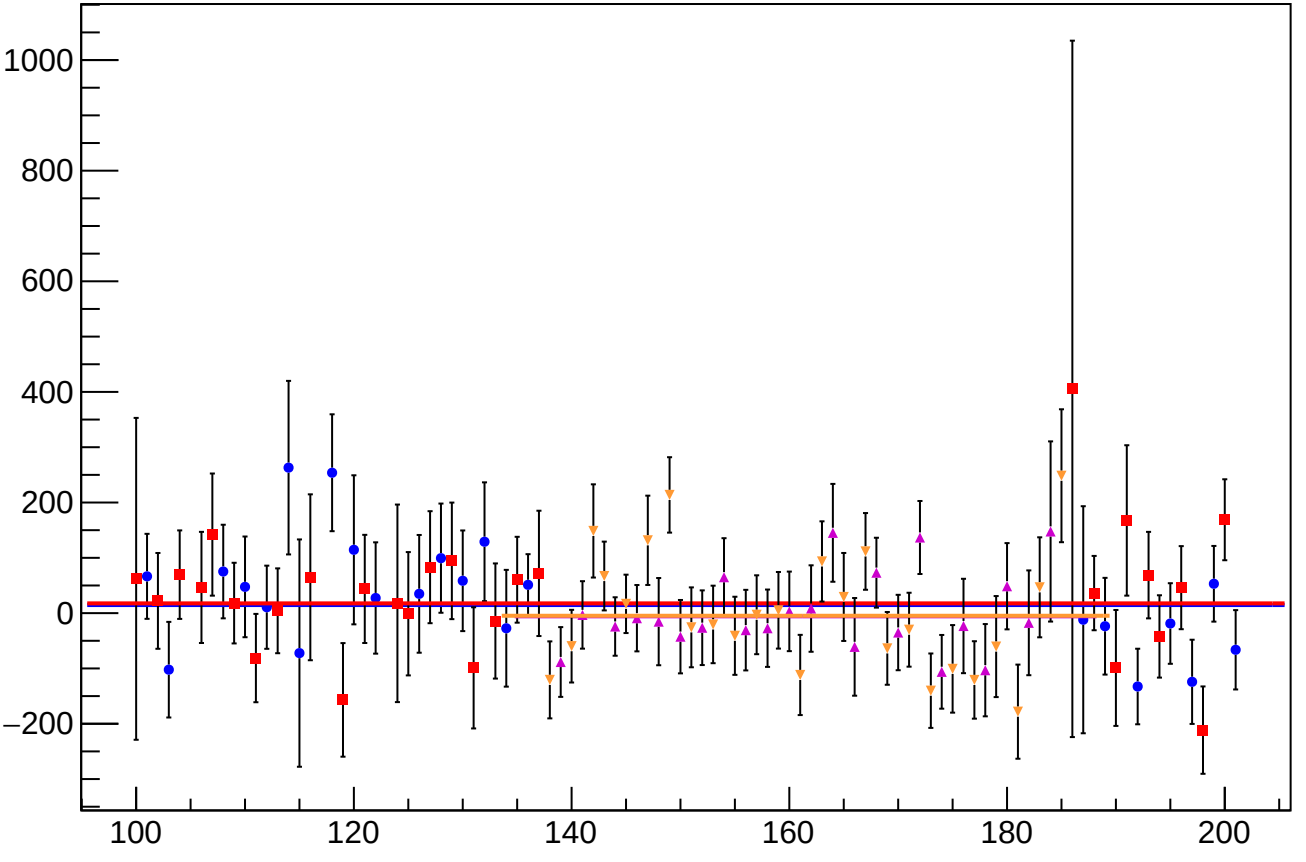
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 353.596+/-0.046 χ^2/NDF: 2737644.6/47

All: 351.772+/-0.032 χ^2/NDF: 6166614.4/98

- sign 349.979+/-0.045 χ^2/NDF: 3425796.4/50

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: 17.653+/-17.685 χ^2/NDF: 26.0/27

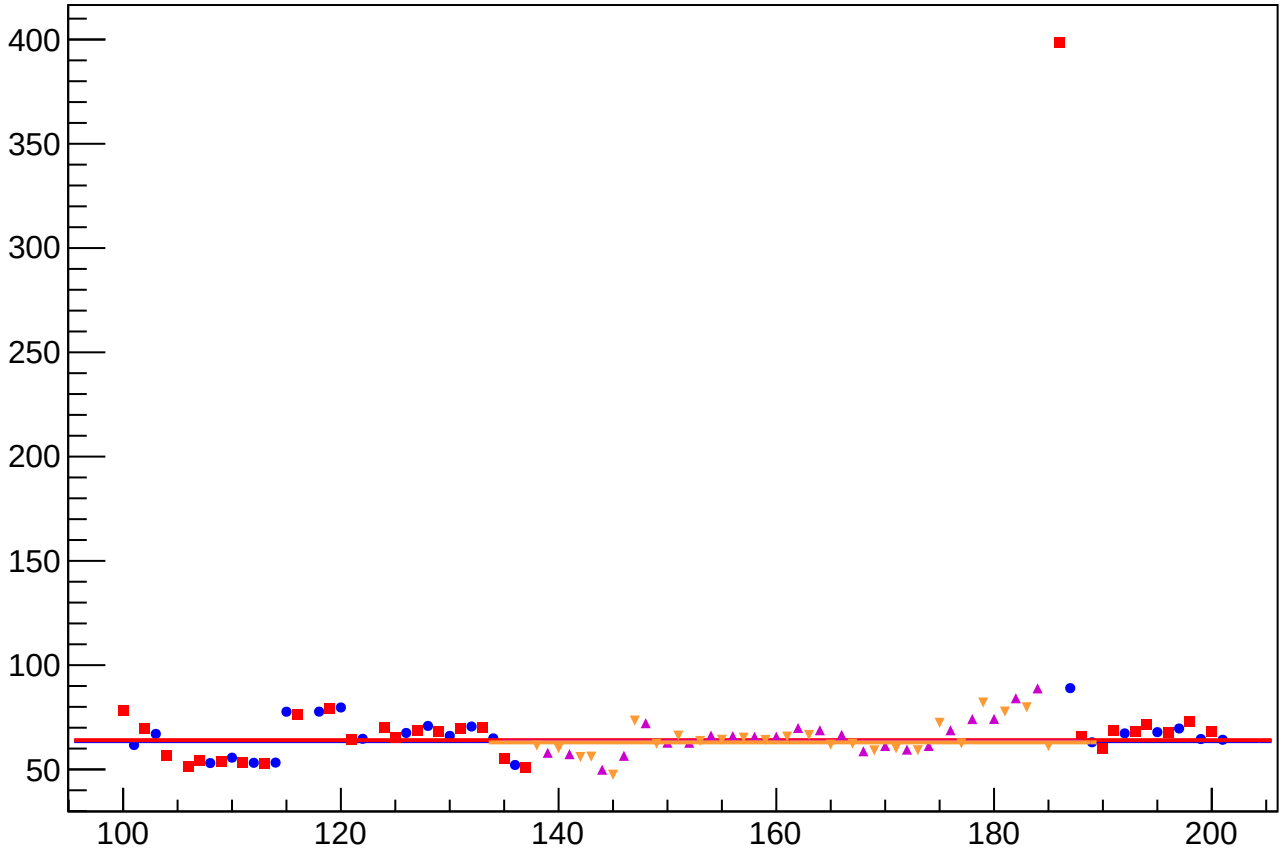
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 2.696+/-11.322 χ^2/NDF: 72.1/47

All: 3.330+/-8.036 χ^2/NDF: 117.4/98

- sign 3.975+/-11.409 χ^2/NDF: 45.3/50

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

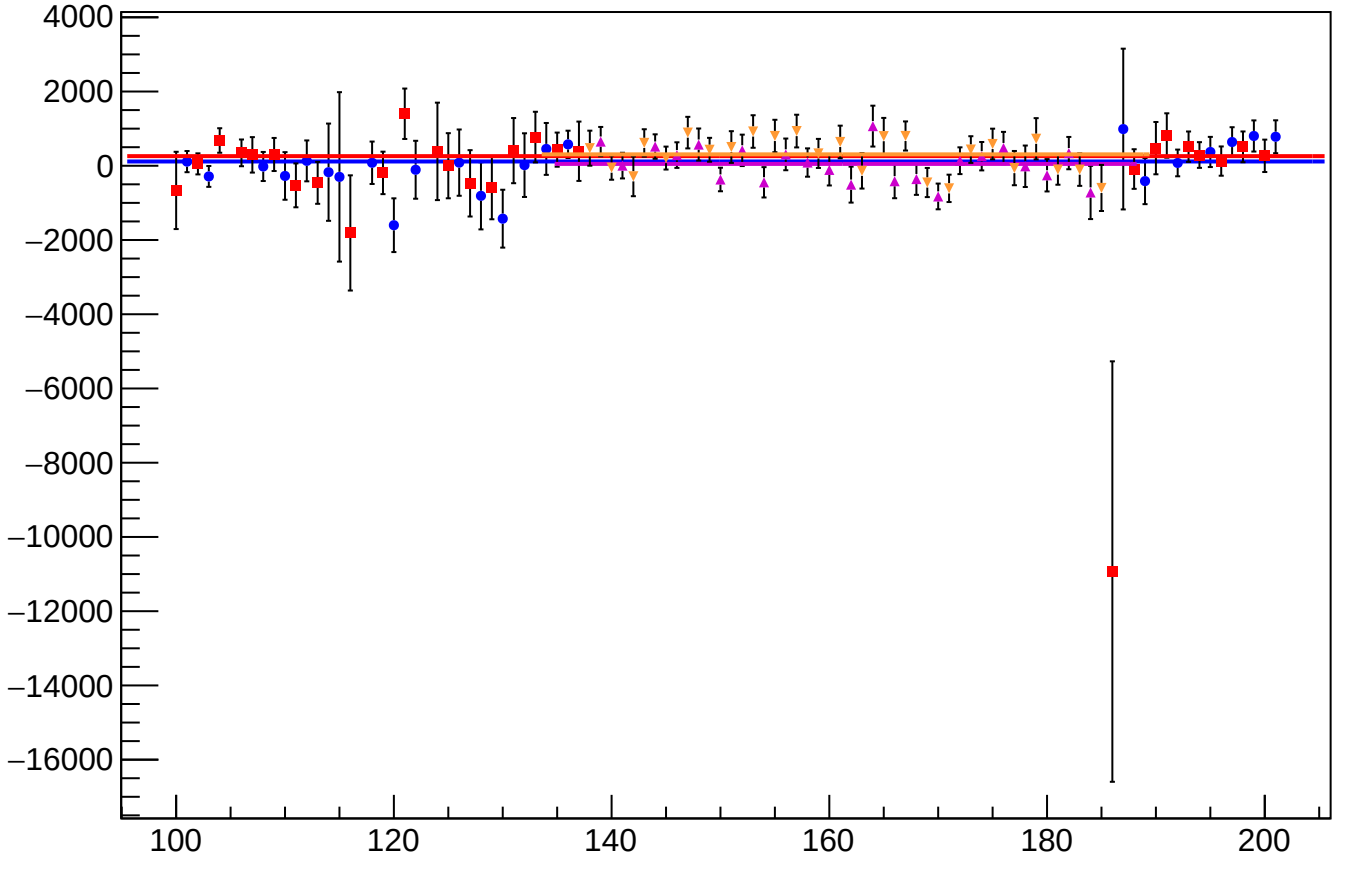
Right Out: 64.030+/-0.013 χ^2/NDF: 959452.3/27

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 63.203+/-0.008 χ^2/NDF: 865517.8/47

All: 63.421+/-0.006 χ^2/NDF: 2325038.7/98

- sign 63.642+/-0.008 χ^2/NDF: 1458029.6/50



Right In: 115.415+/-103.631 χ^2/NDF: 23.1/22

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

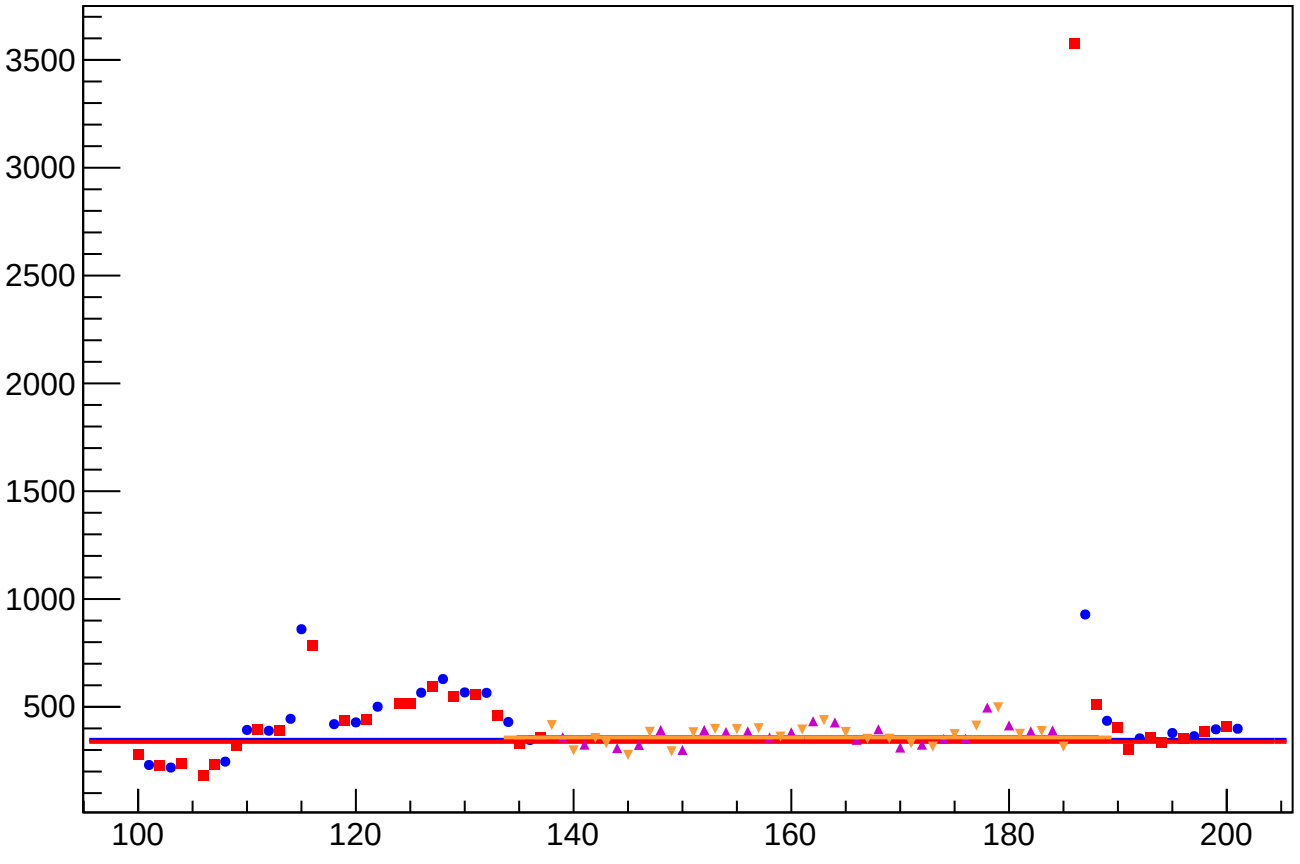
Right Out: 259.223+/-97.243 χ^2/NDF: 20.4/27

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 232.942+/-64.478 χ^2/NDF: 55.8/47

All: 186.295+/-45.397 χ^2/NDF: 107.1/98

- sign 140.440+/-63.928 χ^2/NDF: 50.3/50



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: 337.668+/-0.069 χ^2/NDF: 2849576.5/27

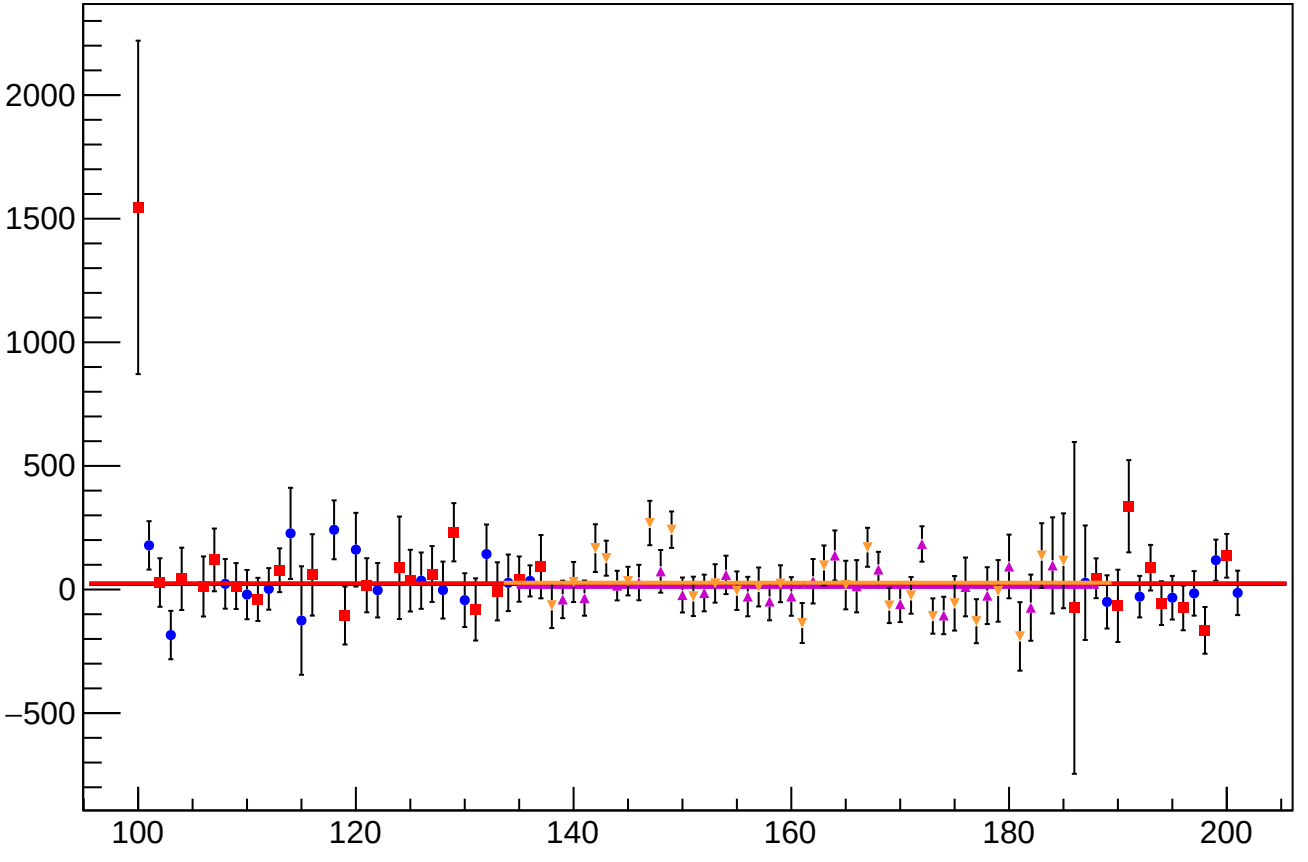
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 353.596+/-0.046 χ^2/NDF: 2737644.6/47

All: 351.772+/-0.032 χ^2/NDF: 6166614.4/98

- sign 349.979+/-0.045 χ^2/NDF: 3425796.4/50

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: 25.292+/-21.036 χ^2/NDF: 23.7/27

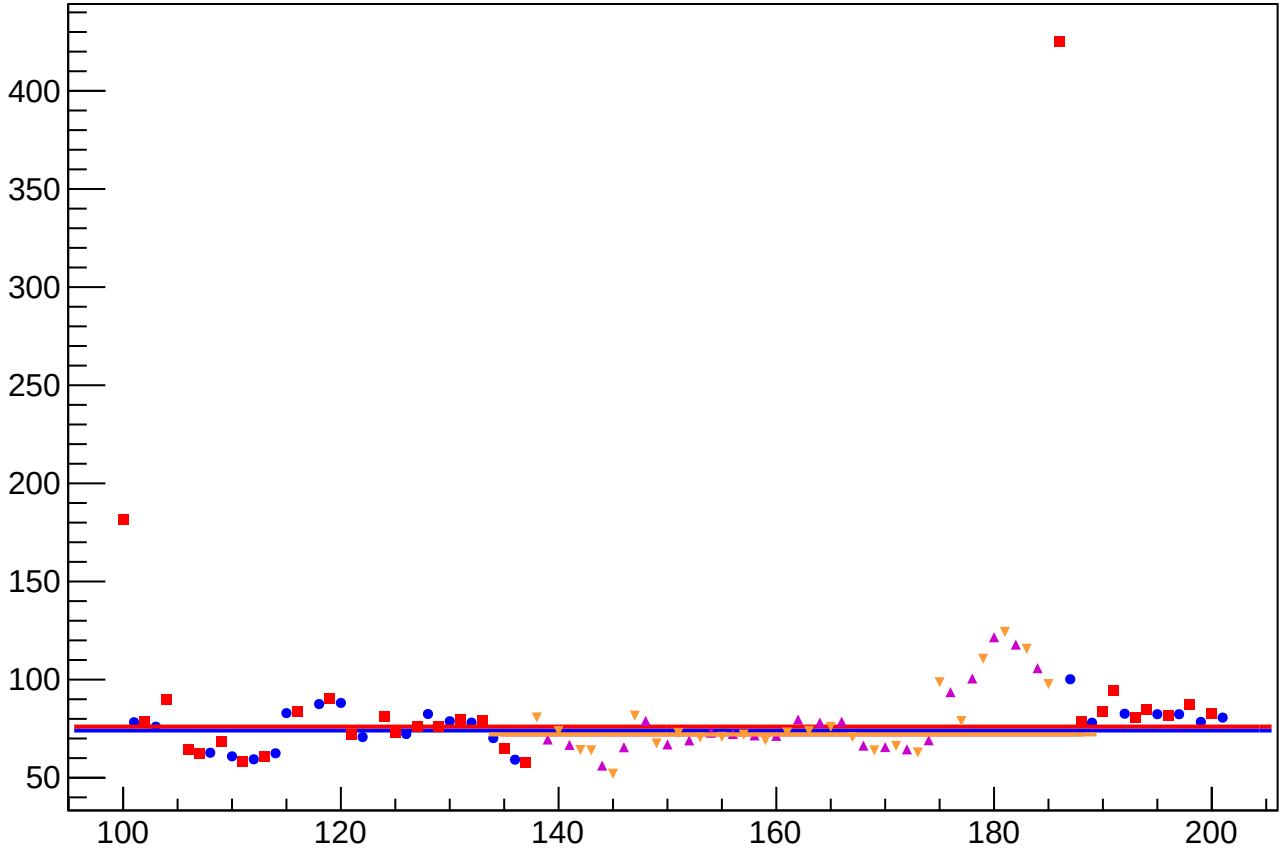
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 25.627+/-13.167 χ^2/NDF: 60.0/47

All: 21.094+/-9.367 χ^2/NDF: 100.3/98

- sign 16.450+/-13.327 χ^2/NDF: 40.0/50

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

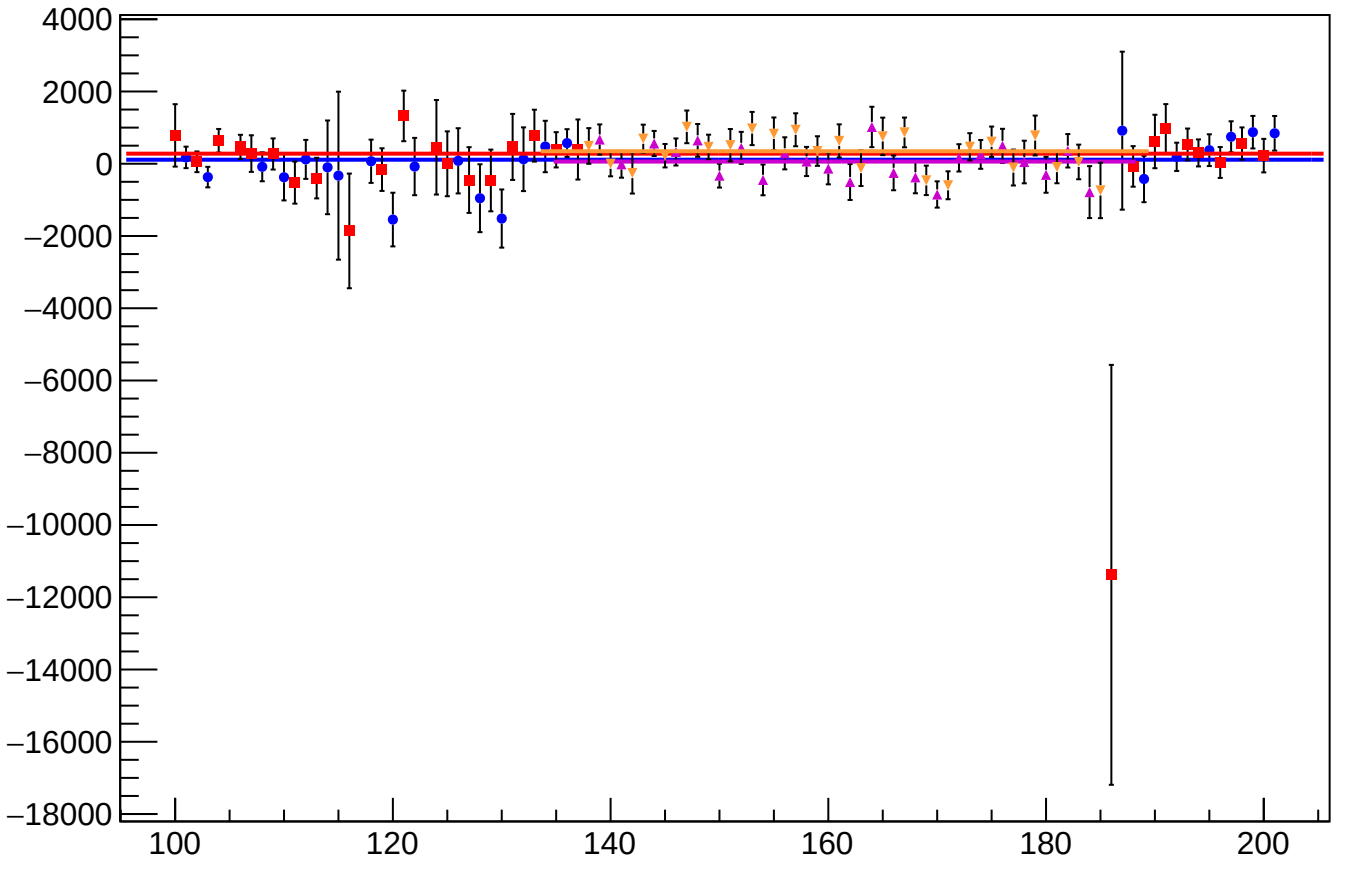
Right Out: 76.068+/-0.015 χ^2/NDF: 1024824.1/27

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.813+/-0.009 χ^2/NDF: 1693498.9/47

All: 73.245+/-0.007 χ^2/NDF: 3824315.5/98

- sign 73.688+/-0.009 χ^2/NDF: 2126455.4/50



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: 278.961+/-99.822 χ^2/NDF: 19.2/27

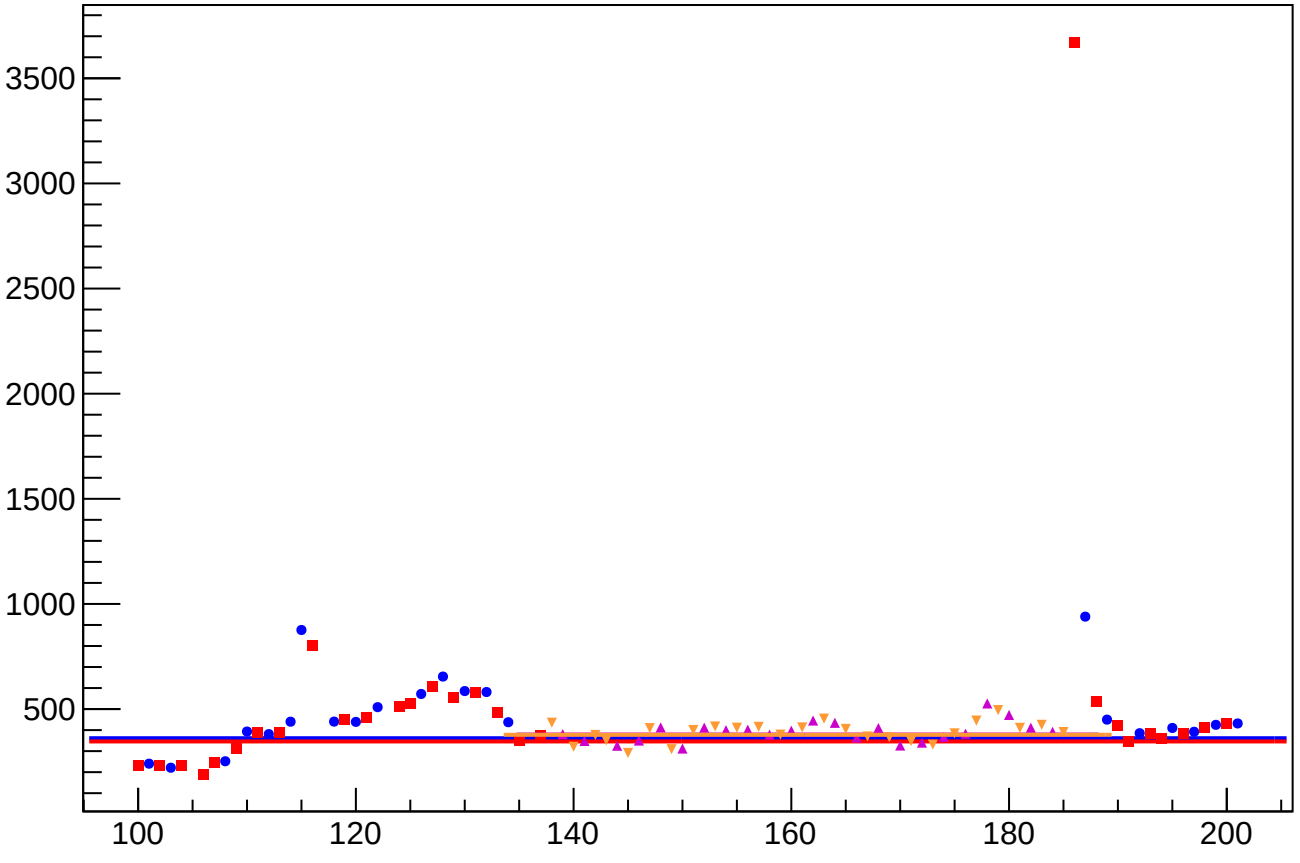
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 253.995+/-67.677 χ^2/NDF: 56.3/47

All: 204.934+/-47.470 χ^2/NDF: 105.1/98

- sign 157.420+/-66.601 χ^2/NDF: 47.7/50

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: 346.010+/-0.071 χ^2/NDF: 3101477.0/27

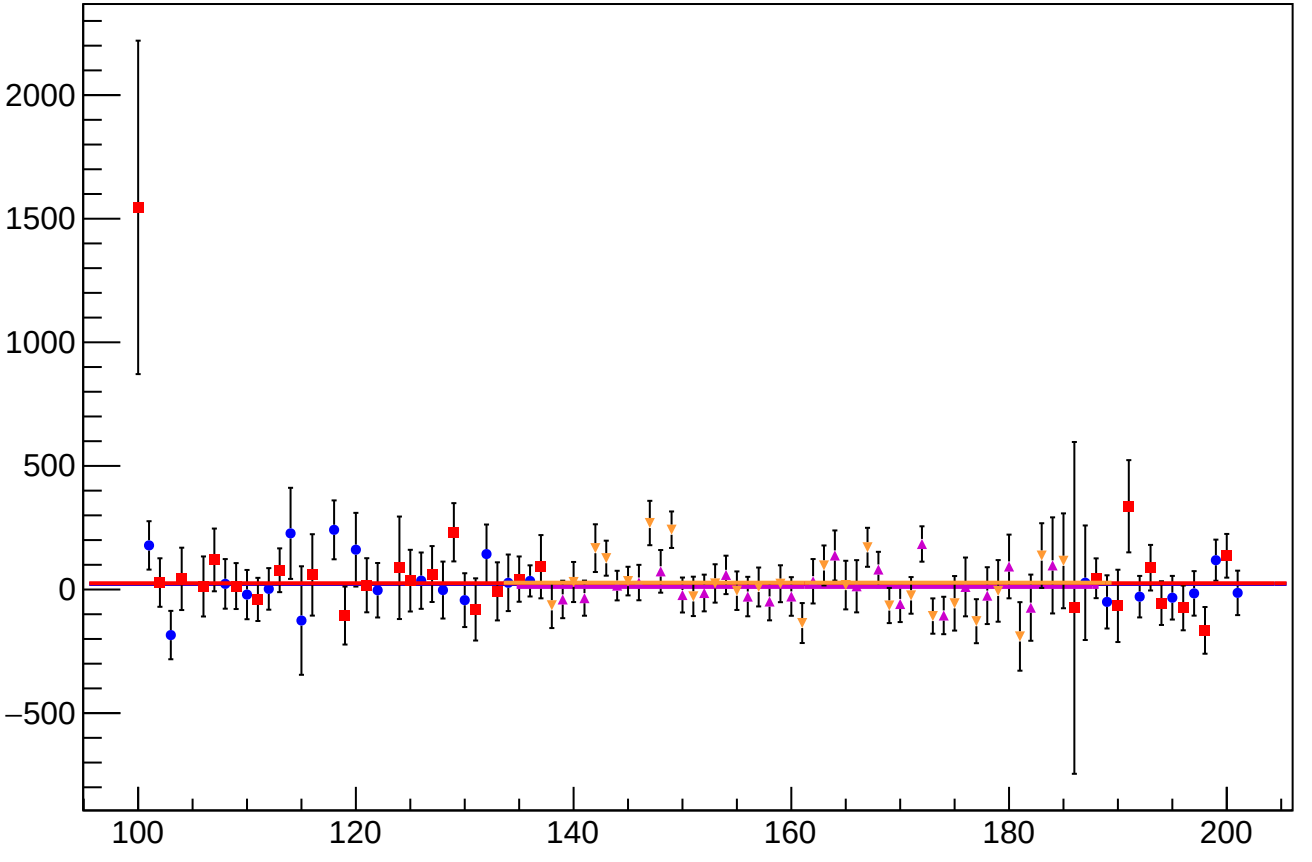
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 371.367+/-0.048 χ^2/NDF: 2780375.5/47

All: 367.747+/-0.034 χ^2/NDF: 6541044.9/98

- sign 364.242+/-0.047 χ^2/NDF: 3749408.7/50

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: 25.292+/-21.036 χ^2/NDF: 23.7/27

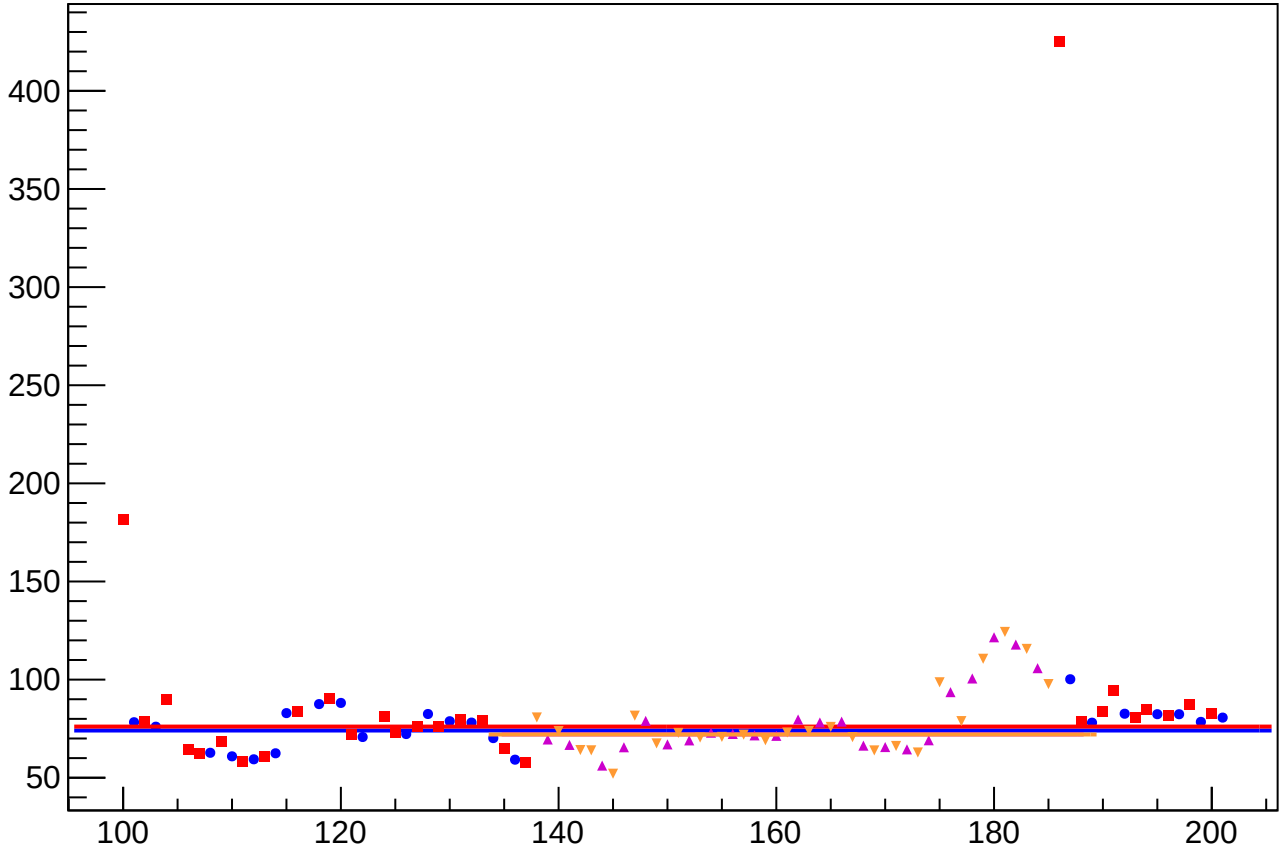
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 25.627+/-13.167 χ^2/NDF: 60.0/47

All: 21.093+/-9.367 χ^2/NDF: 100.3/98

- sign 16.450+/-13.327 χ^2/NDF: 40.0/50

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

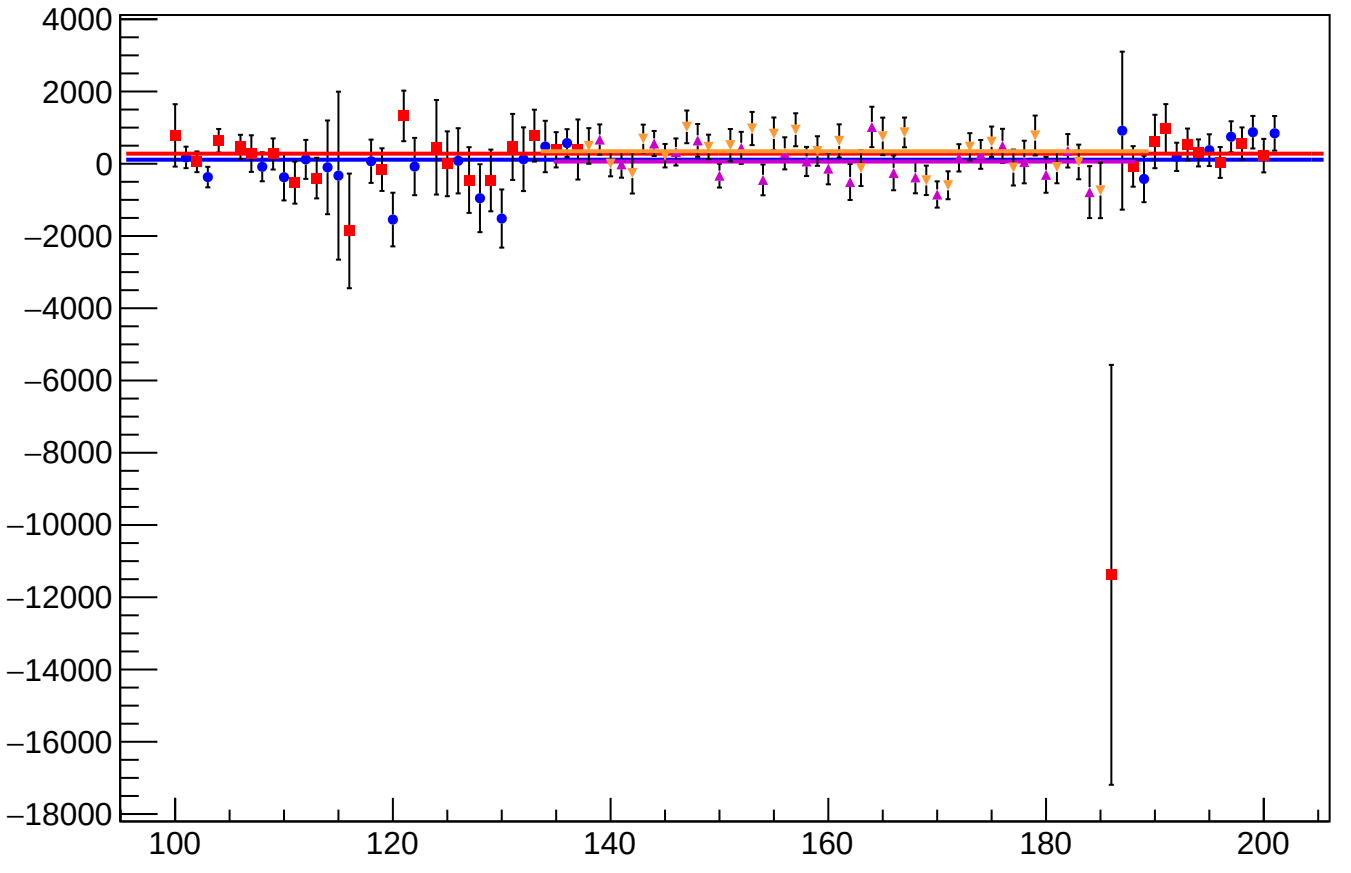
Right Out: 76.068+/-0.015 χ^2/NDF: 1024820.5/27

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.813+/-0.009 χ^2/NDF: 1693502.1/47

All: 73.245+/-0.007 χ^2/NDF: 3824304.3/98

- sign 73.688+/-0.009 χ^2/NDF: 2126441.3/50



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: 278.960+/-99.822 χ^2/NDF: 19.2/27

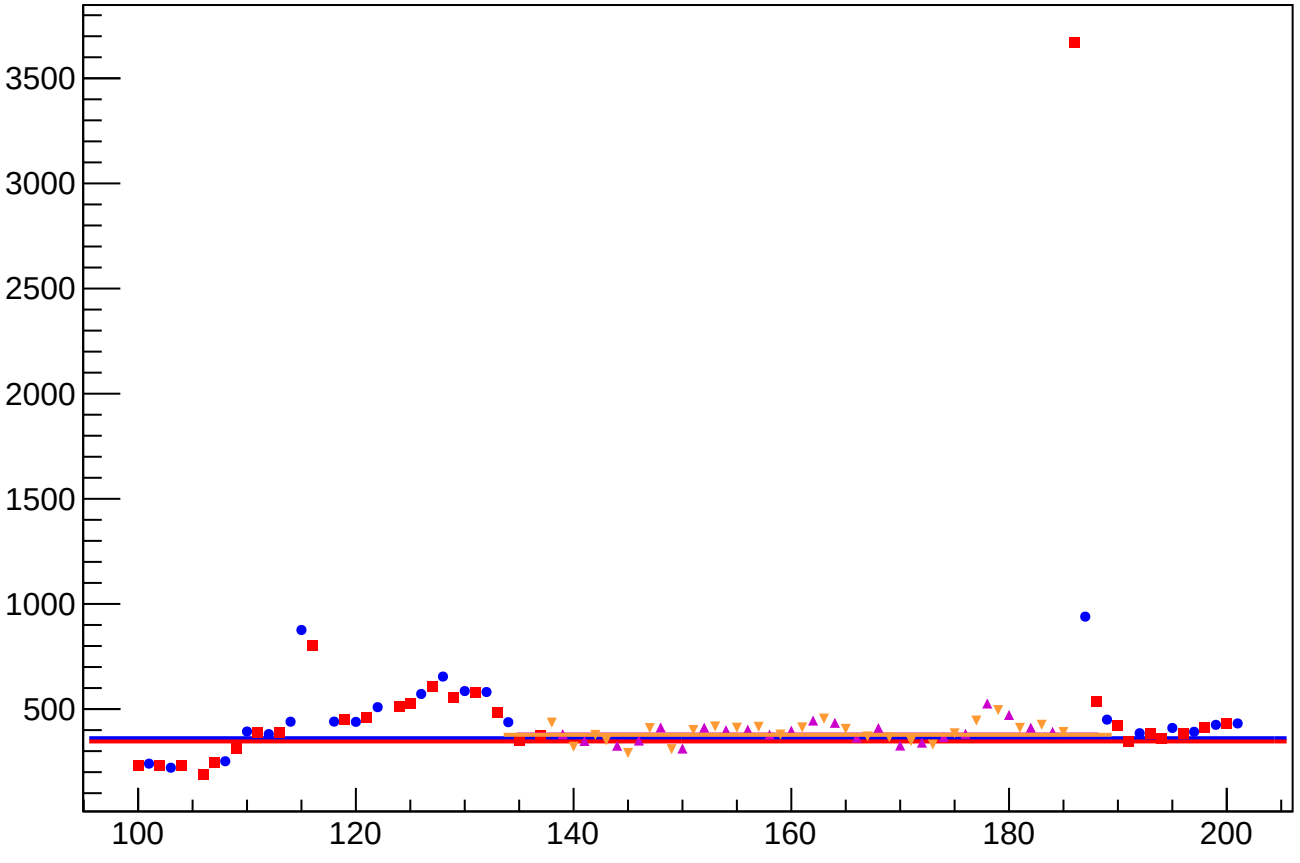
Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 253.994+/-67.677 χ^2/NDF: 56.3/47

All: 204.933+/-47.470 χ^2/NDF: 105.1/98

- sign 157.419+/-66.601 χ^2/NDF: 47.7/50

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



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: 346.010+/-0.071 χ^2/NDF: 3101464.9/27

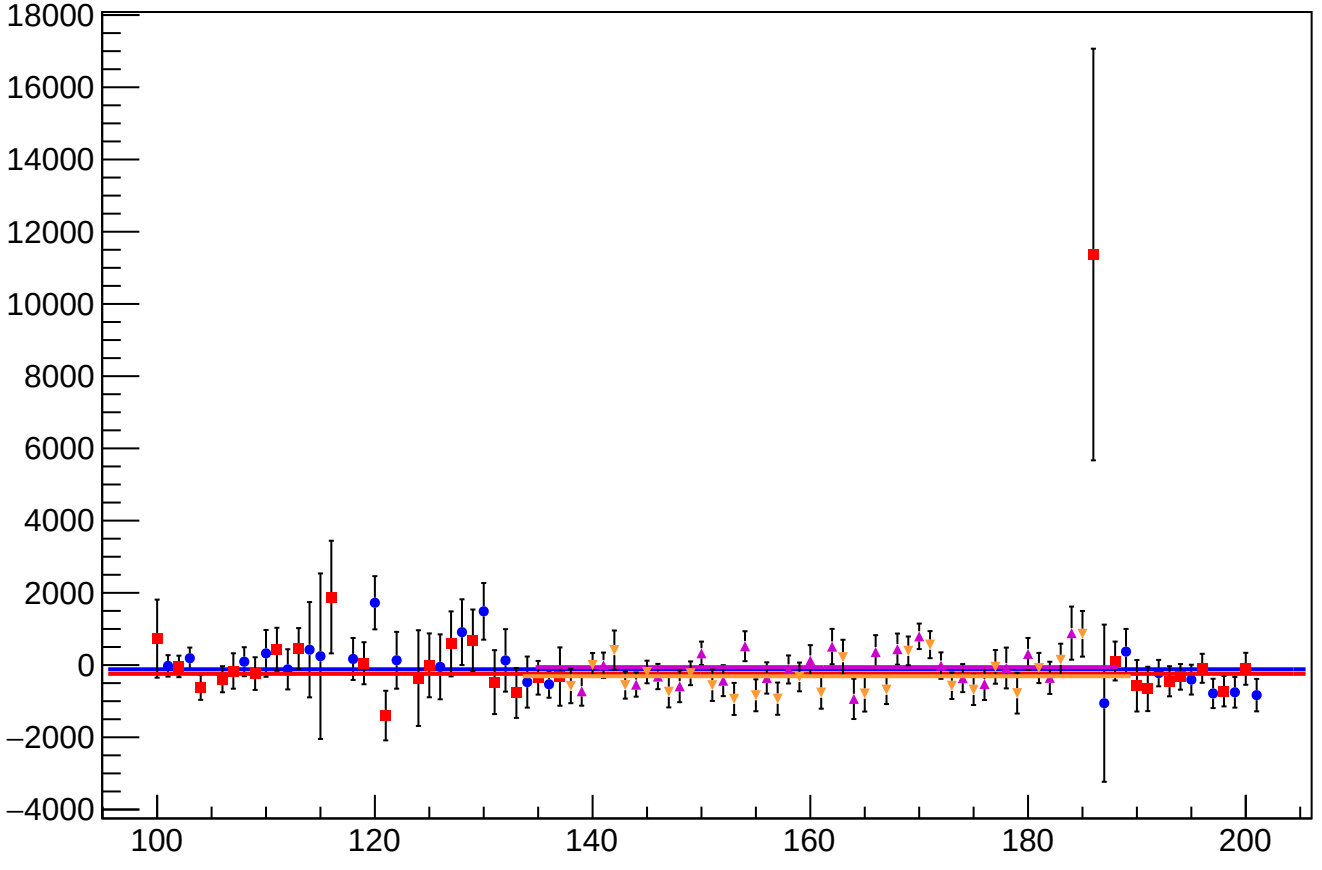
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 371.366+/-0.048 χ^2/NDF: 2780368.1/47

All: 367.747+/-0.034 χ^2/NDF: 6541020.9/98

- sign 364.242+/-0.047 χ^2/NDF: 3749392.0/50

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: -243.276+/-99.236 χ^2/NDF: 20.4/27

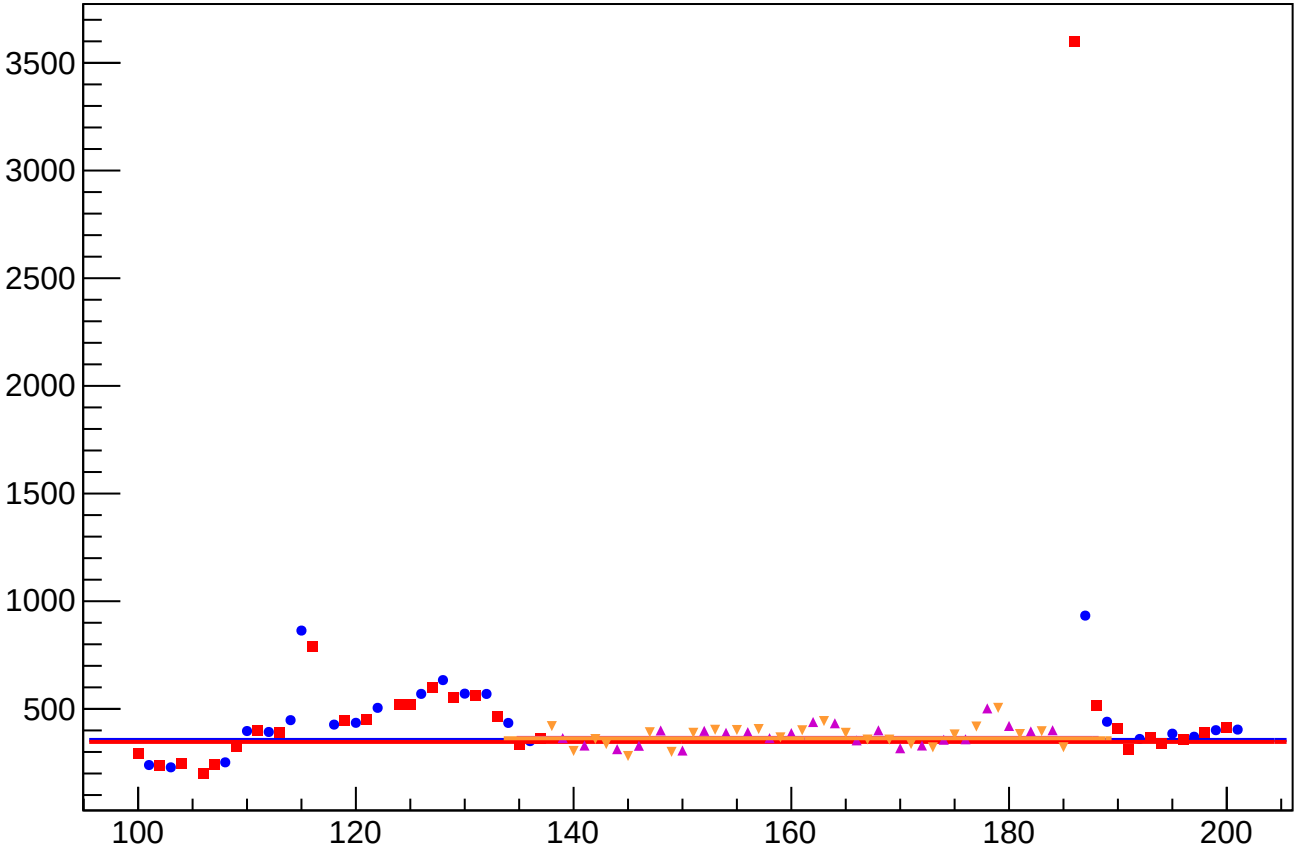
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -235.350+/-65.678 χ^2/NDF: 56.6/47

All: -185.954+/-46.231 χ^2/NDF: 108.1/98

- sign -137.443+/-65.087 χ^2/NDF: 50.4/50

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

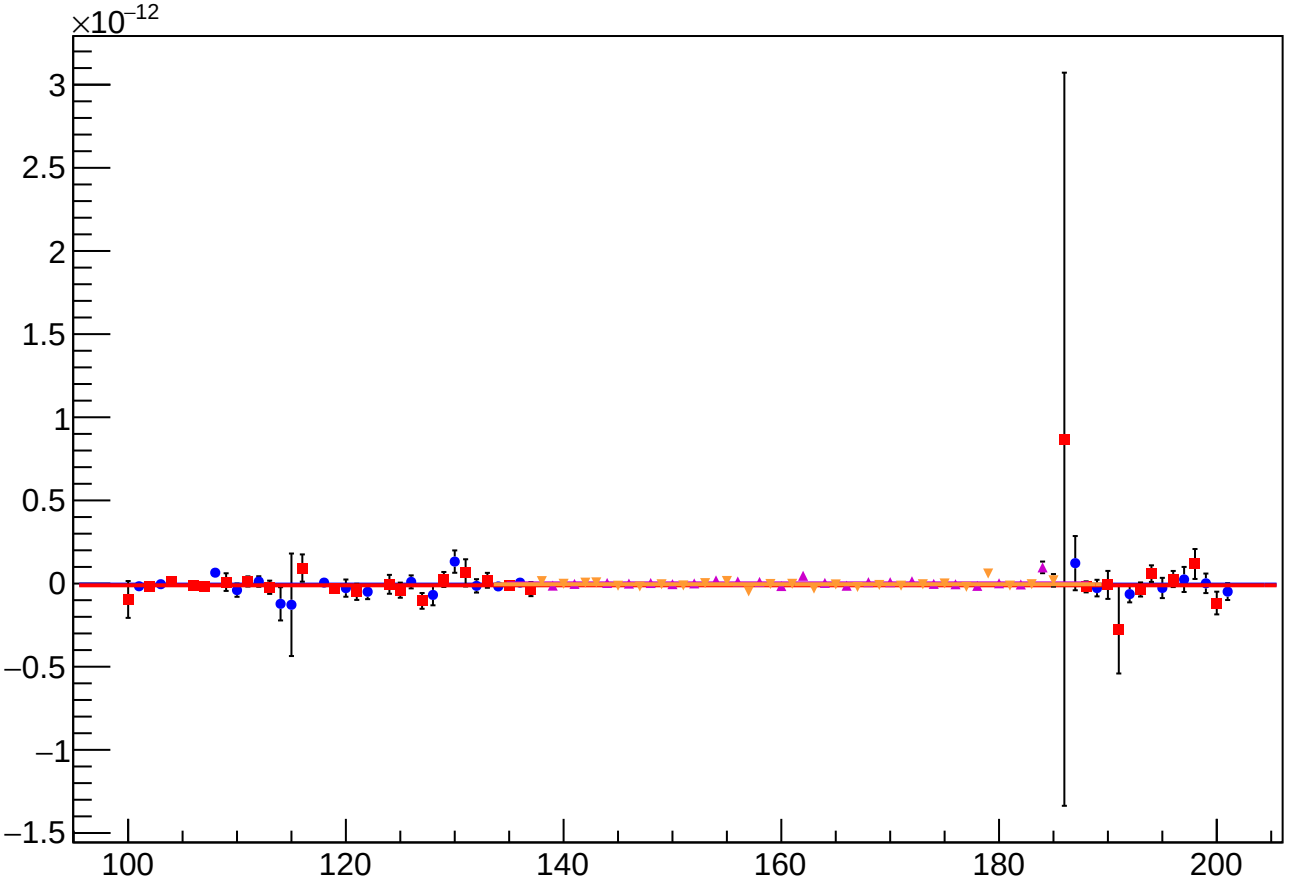
Right Out: 346.701+/-0.070 χ^2/NDF: 2671136.2/27

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 360.708+/-0.046 χ^2/NDF: 2574594.0/47

All: 358.995+/-0.033 χ^2/NDF: 5798060.9/98

- sign 357.312+/-0.046 χ^2/NDF: 3220769.5/50



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: 21.0/27

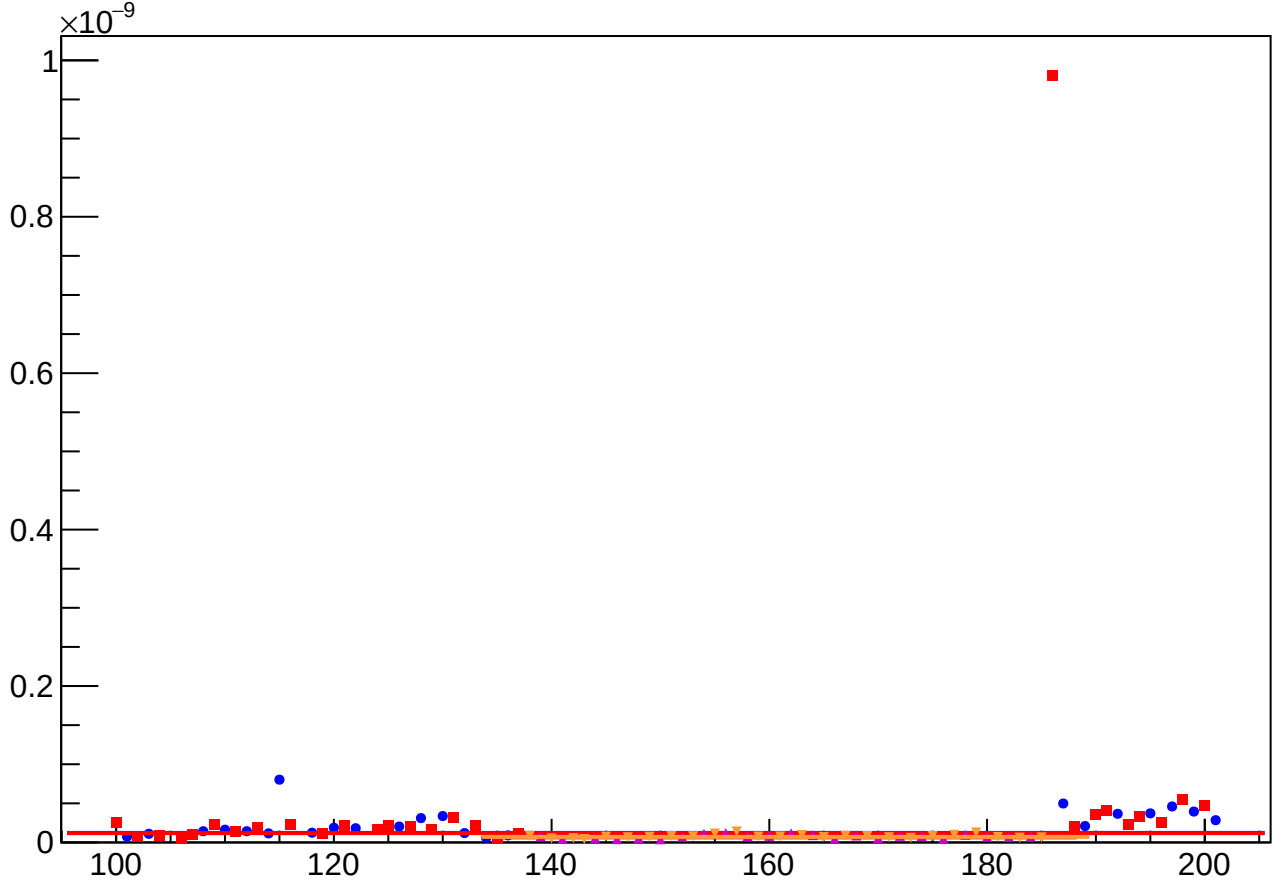
Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/47

All: -0.000+/-0.000 χ^2/NDF: 88.9/98

- sign -0.000+/-0.000 χ^2/NDF: 45.9/50

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



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: 3958412.4/27

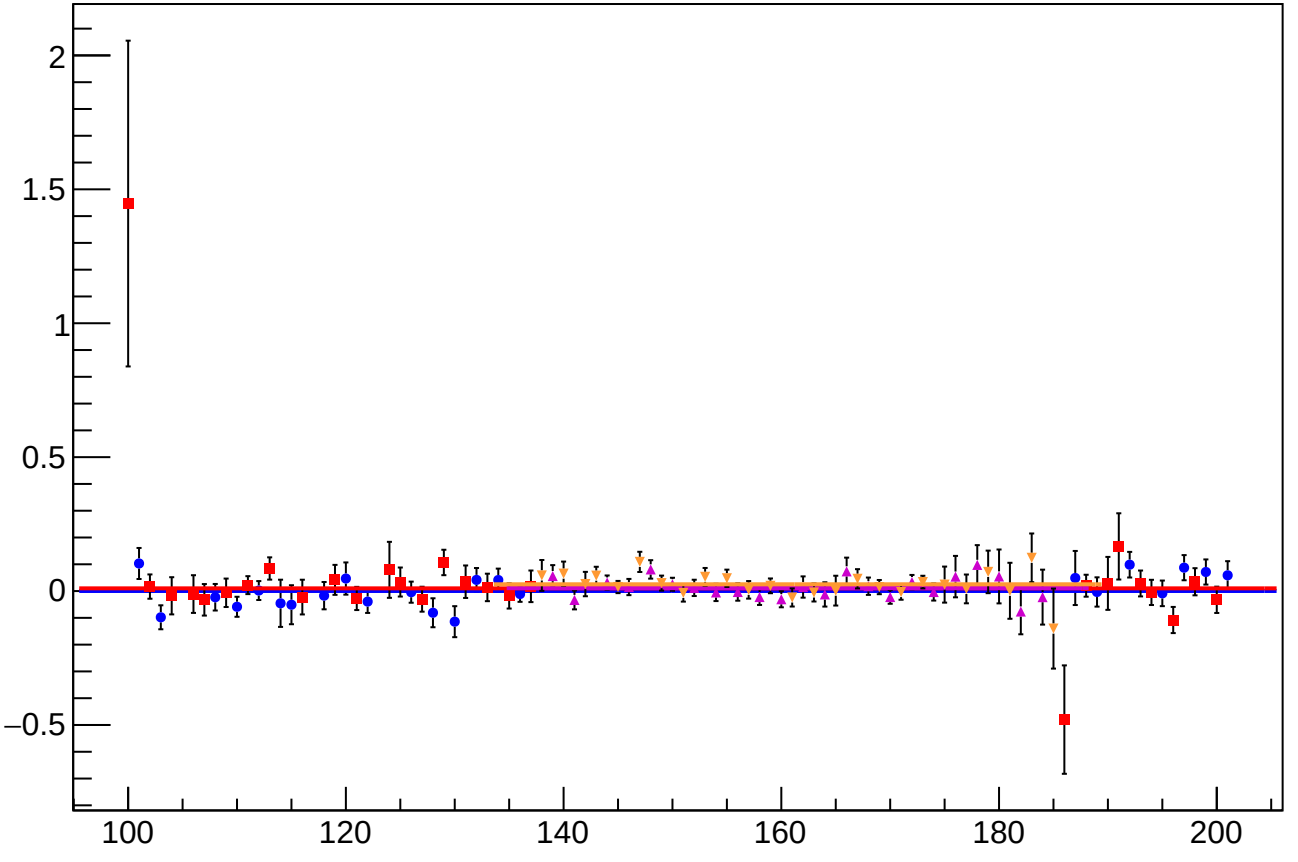
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5362069.0/47

All: 0.000+/-0.000 χ^2/NDF: 11948896.4/98

- sign 0.000+/-0.000 χ^2/NDF: 6528042.0/50

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: 0.010+/-0.010 χ^2/NDF: 31.9/27

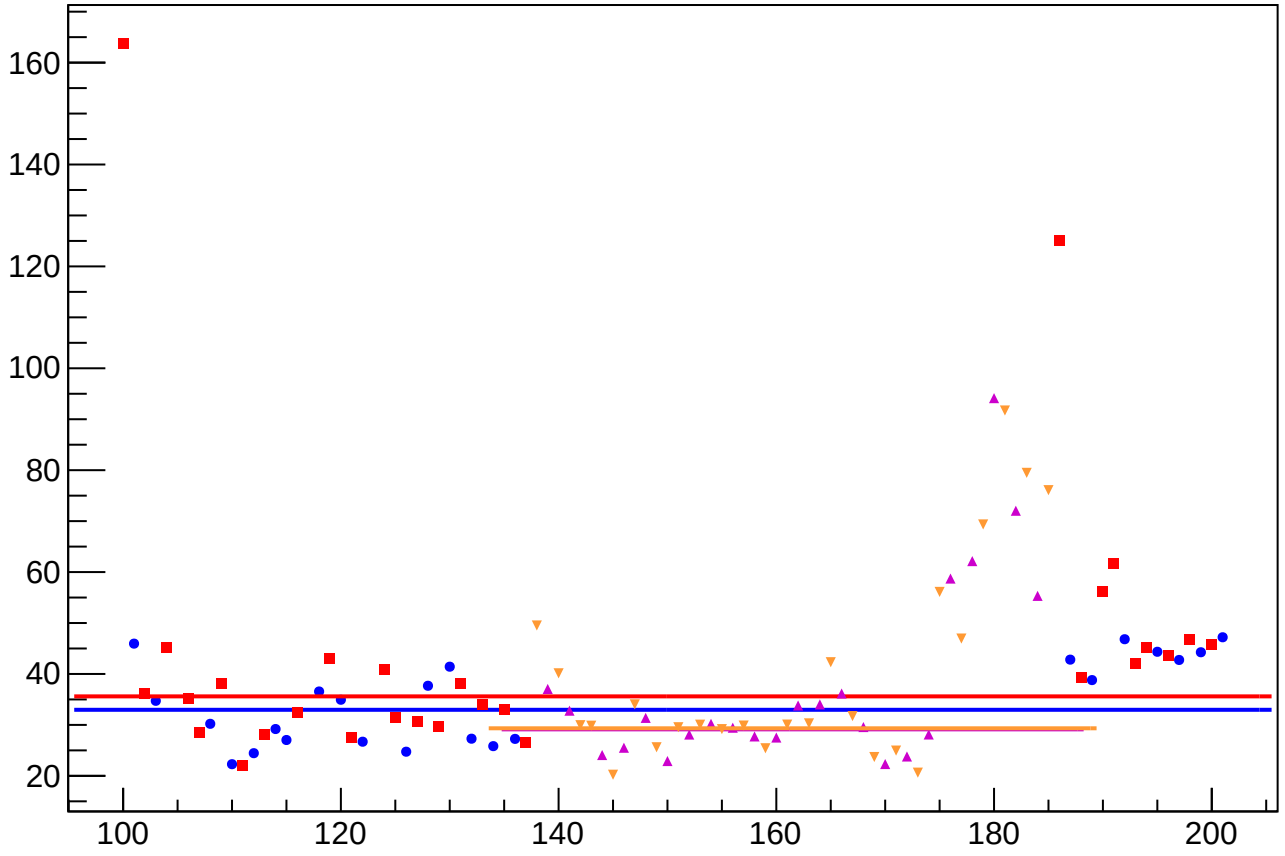
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.017+/-0.006 χ^2/NDF: 54.2/47

All: 0.014+/-0.004 χ^2/NDF: 105.6/98

- sign 0.011+/-0.006 χ^2/NDF: 50.8/50

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

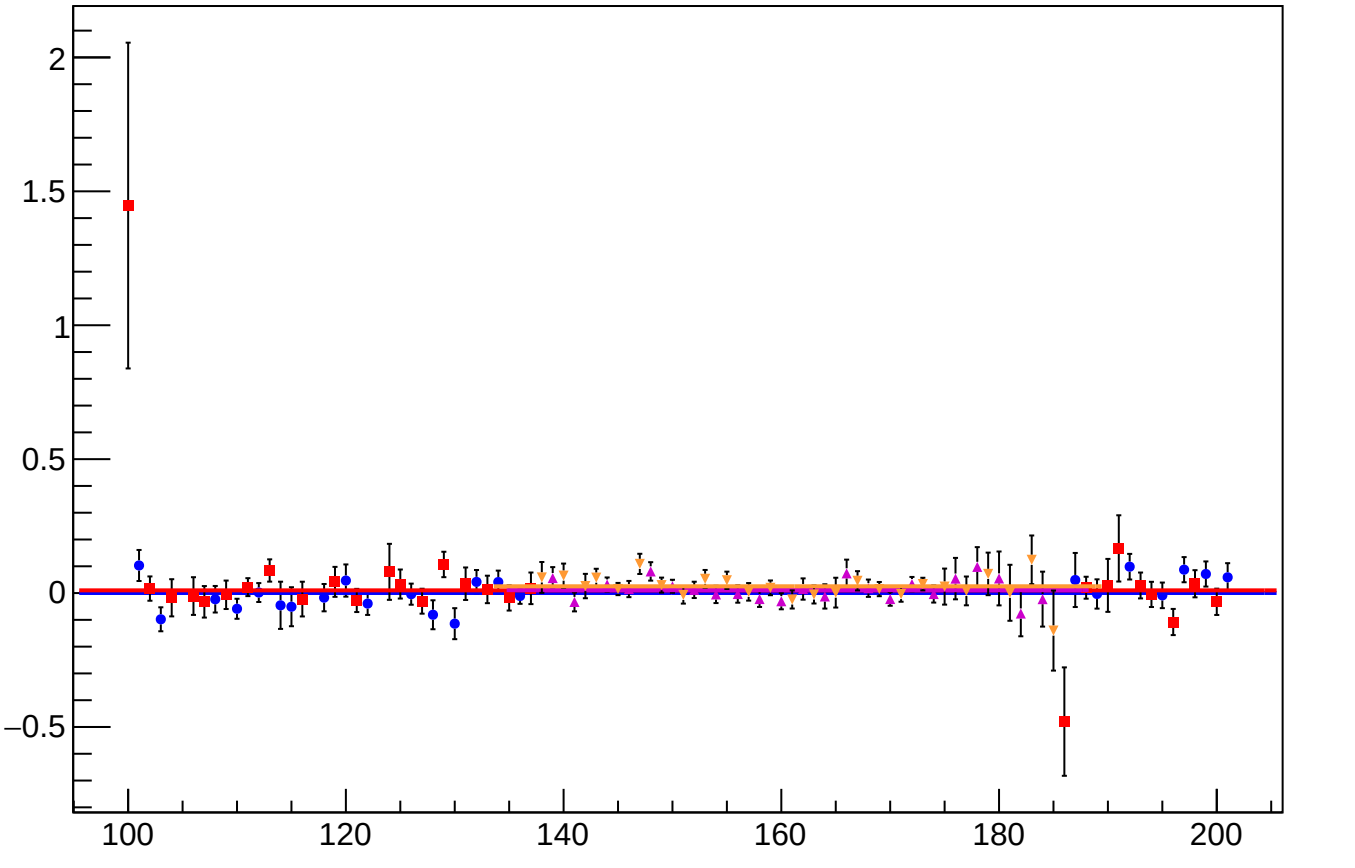
Right Out: 35.601+/-0.007 χ^2/NDF: 1727657.5/27

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.597+/-0.004 χ^2/NDF: 5496362.9/47

All: 30.957+/-0.003 χ^2/NDF: 10616230.8/98

- sign 31.333+/-0.004 χ^2/NDF: 5104095.7/50



Right In: 0.000+/-0.010 χ^2/NDF: 32.6/22

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

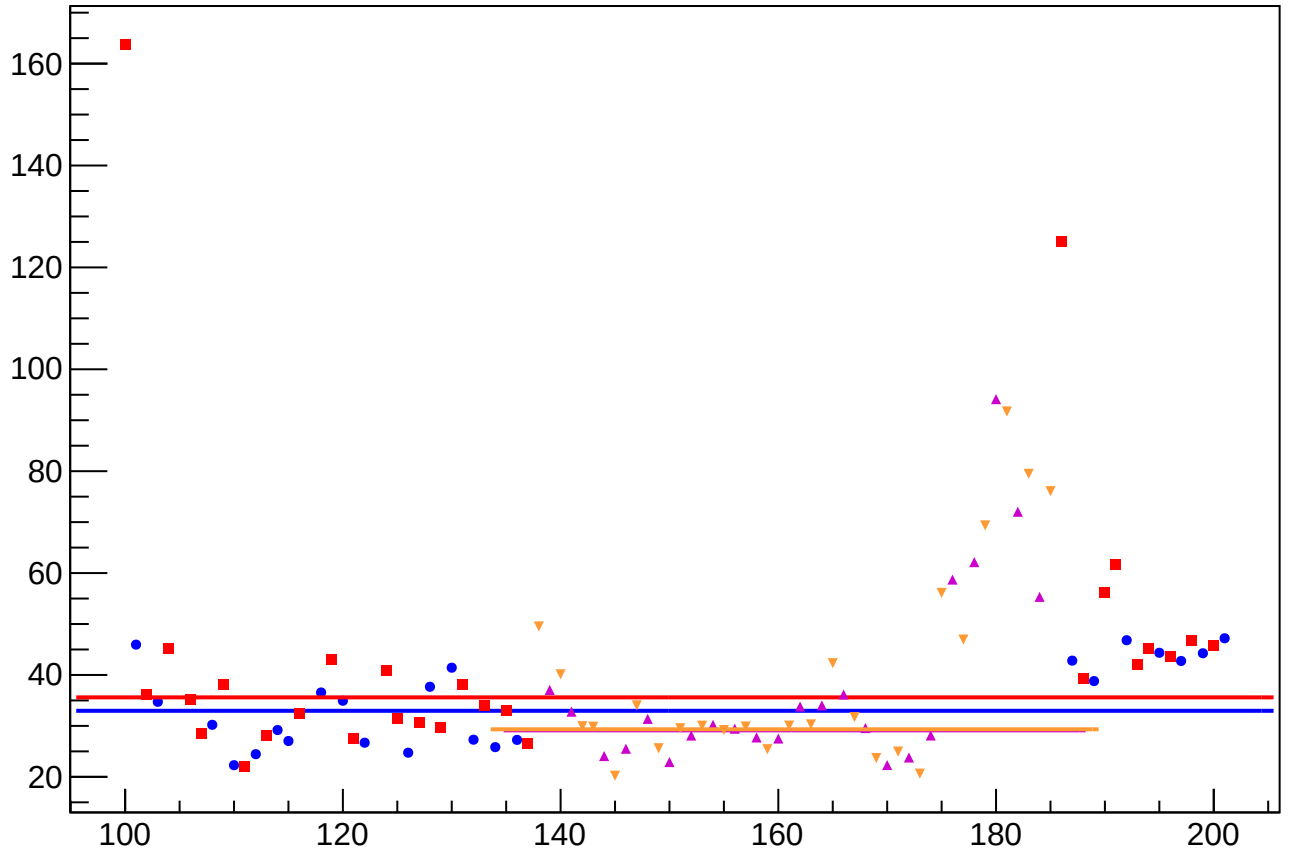
Right Out: 0.010+/-0.010 χ^2/NDF: 31.9/27

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: 105.6/98

- sign 0.011+/-0.006 χ^2/NDF: 50.8/50



Right In: 32.966+/-0.007 χ^2/NDF: 1443663.6/22

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

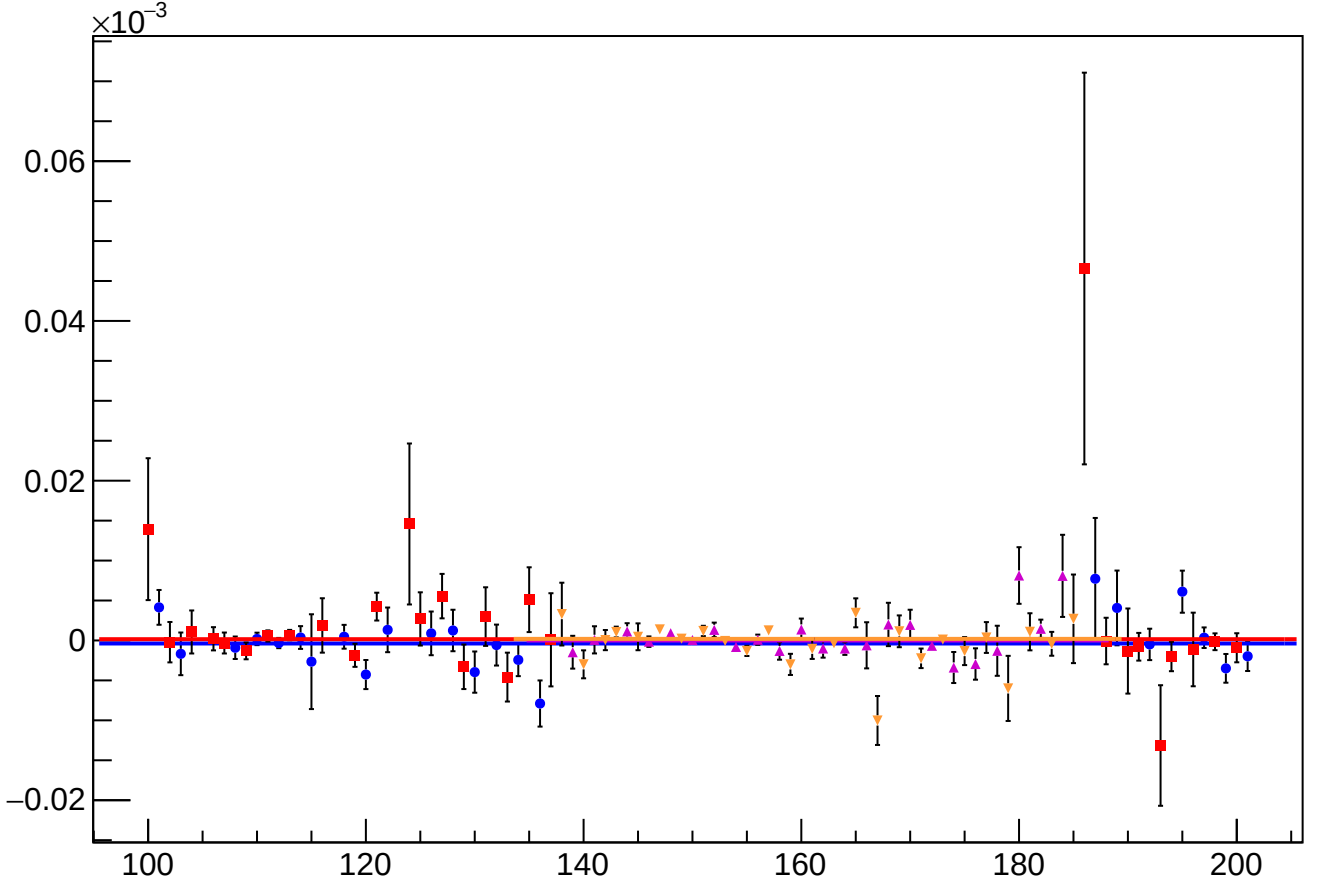
Right Out: 35.601+/-0.007 χ^2/NDF: 1727657.5/27

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.597+/-0.004 χ^2/NDF: 5496362.9/47

All: 30.957+/-0.003 χ^2/NDF: 10616230.8/98

- sign 31.333+/-0.004 χ^2/NDF: 5104095.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 33.4/22

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

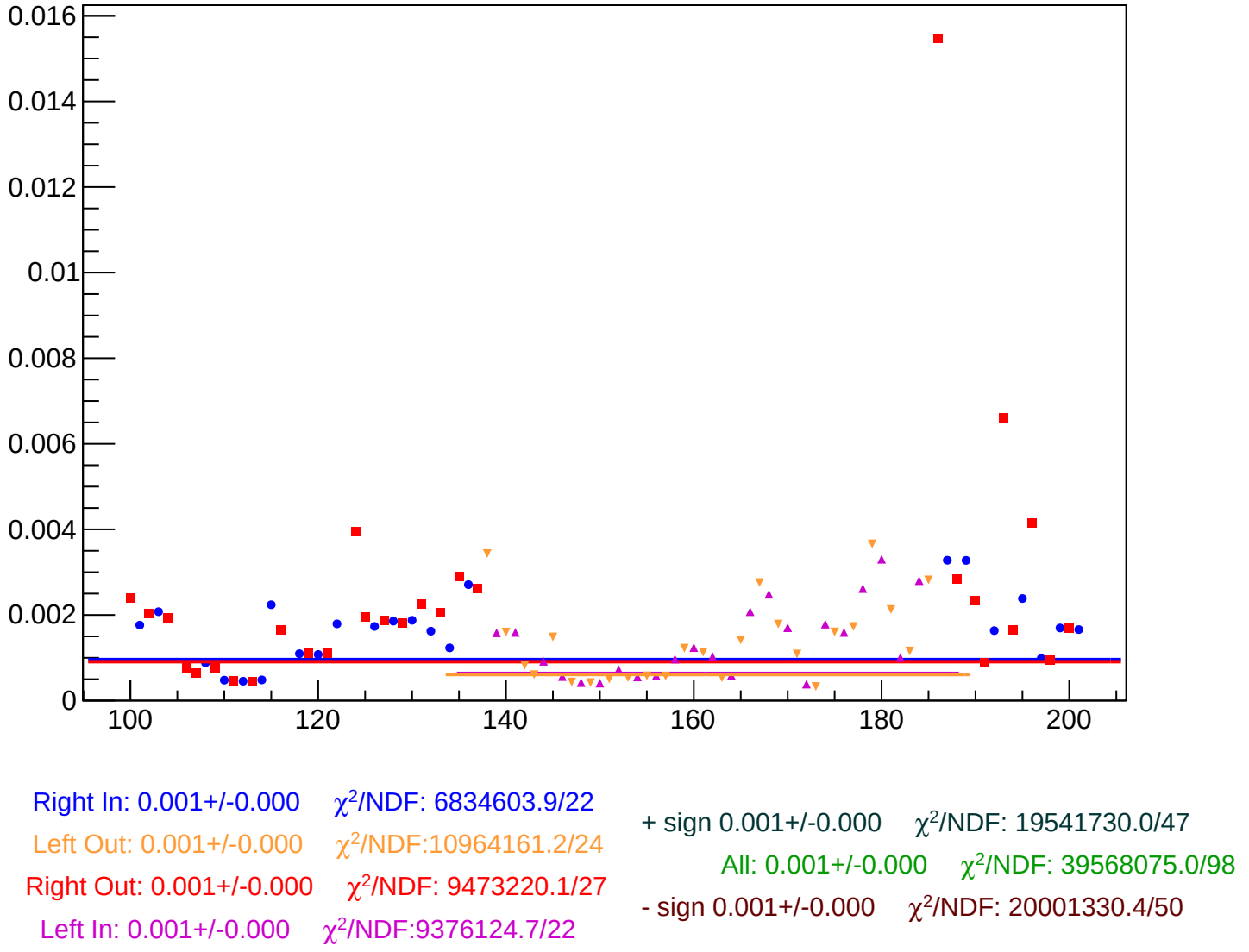
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/27

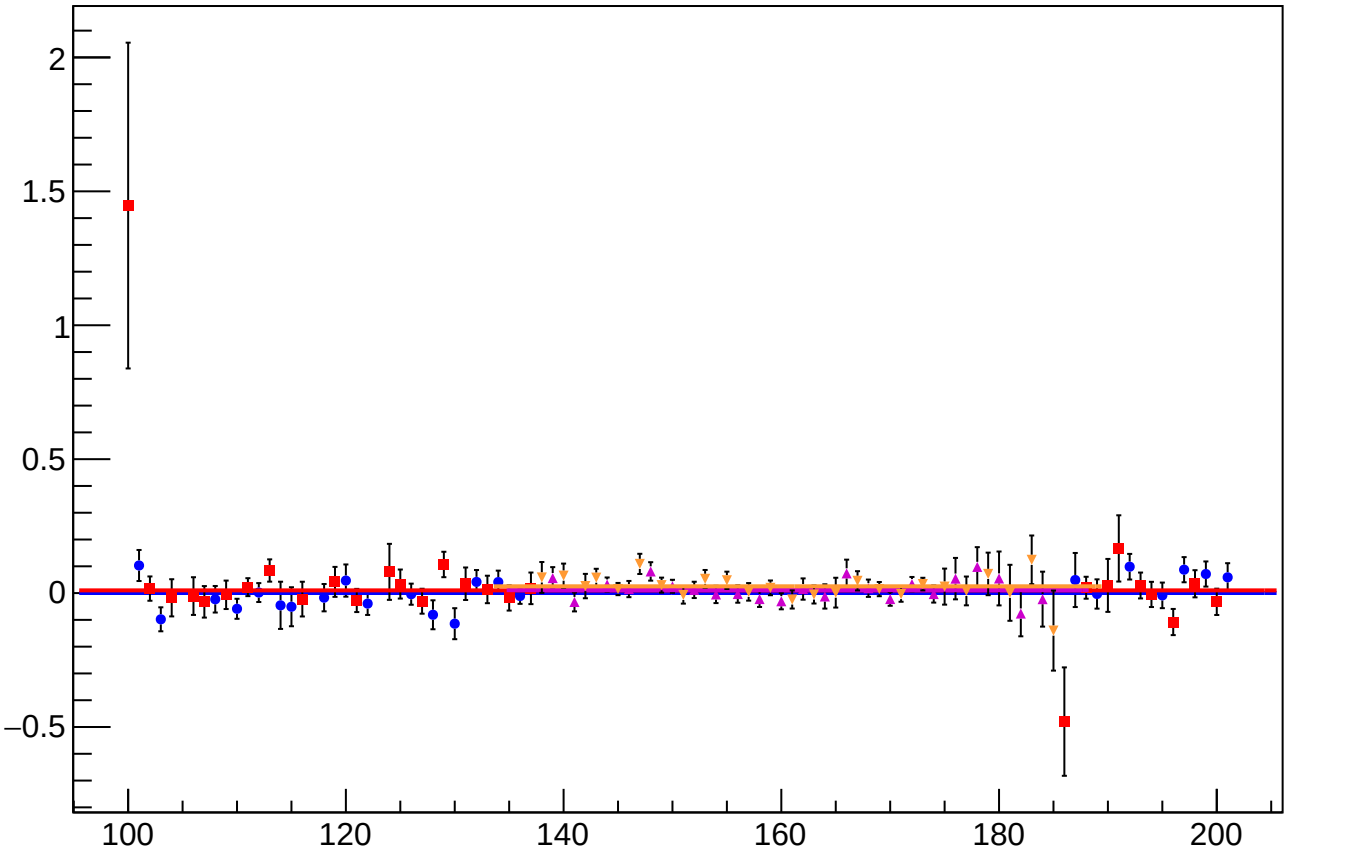
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 88.4/47

All: 0.000+/-0.000 χ^2/NDF: 156.2/98

- sign 0.000+/-0.000 χ^2/NDF: 67.8/50


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
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: 6834603.9/22
Left Out: 0.001+/-0.000 χ²/NDF:10964161.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 9473220.1/27
Left In: 0.001+/-0.000 χ²/NDF:9376124.7/22
+ sign 0.001+/-0.000 χ²/NDF: 19541730.0/47
All: 0.001+/-0.000 χ²/NDF: 39568075.0/98
- sign 0.001+/-0.000 χ²/NDF: 20001330.4/50



Right In: 0.000+/-0.010 χ^2/NDF: 32.6/22

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

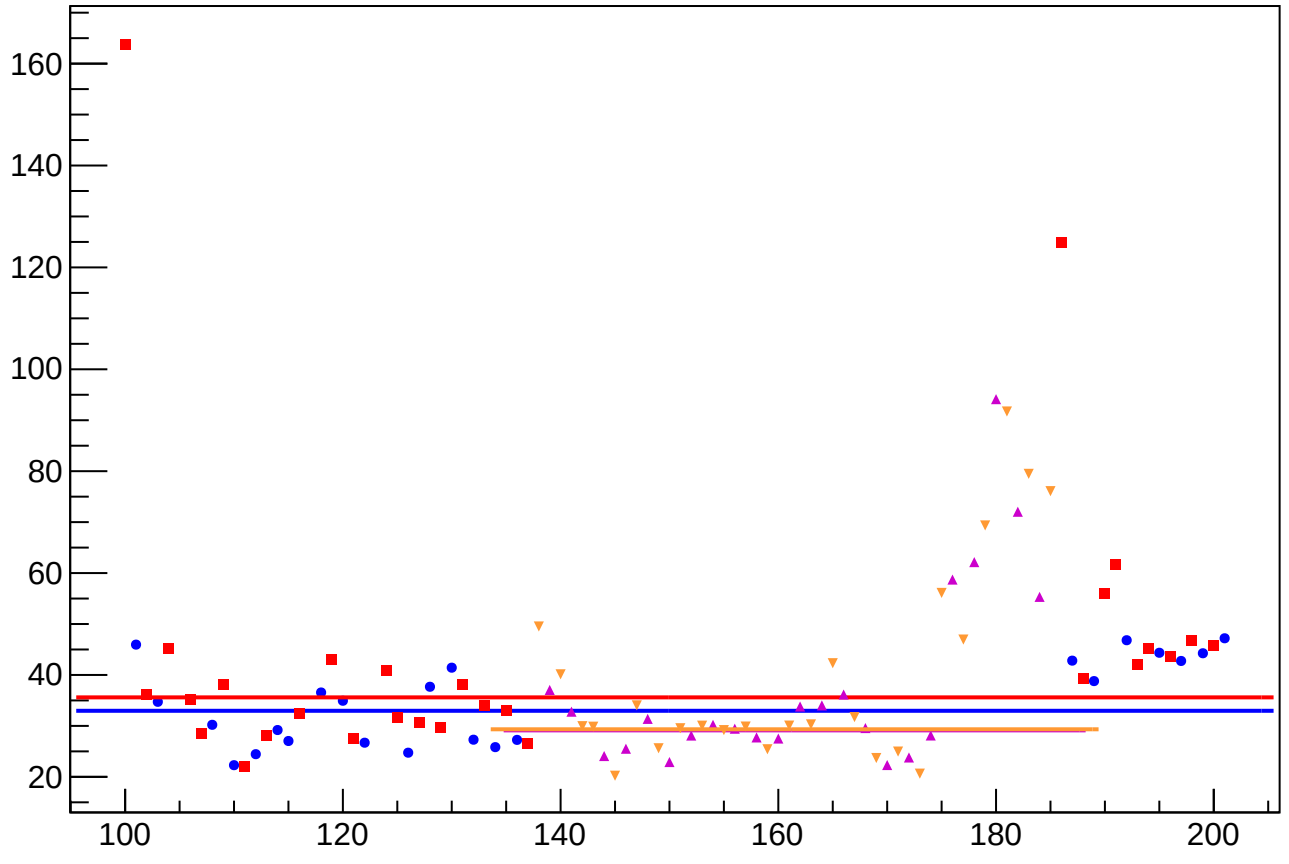
Right Out: 0.010+/-0.010 χ^2/NDF: 31.9/27

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: 105.6/98

- sign 0.011+/-0.006 χ^2/NDF: 50.8/50



Right In: 32.966+/-0.007 χ^2/NDF: 1443595.1/22

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

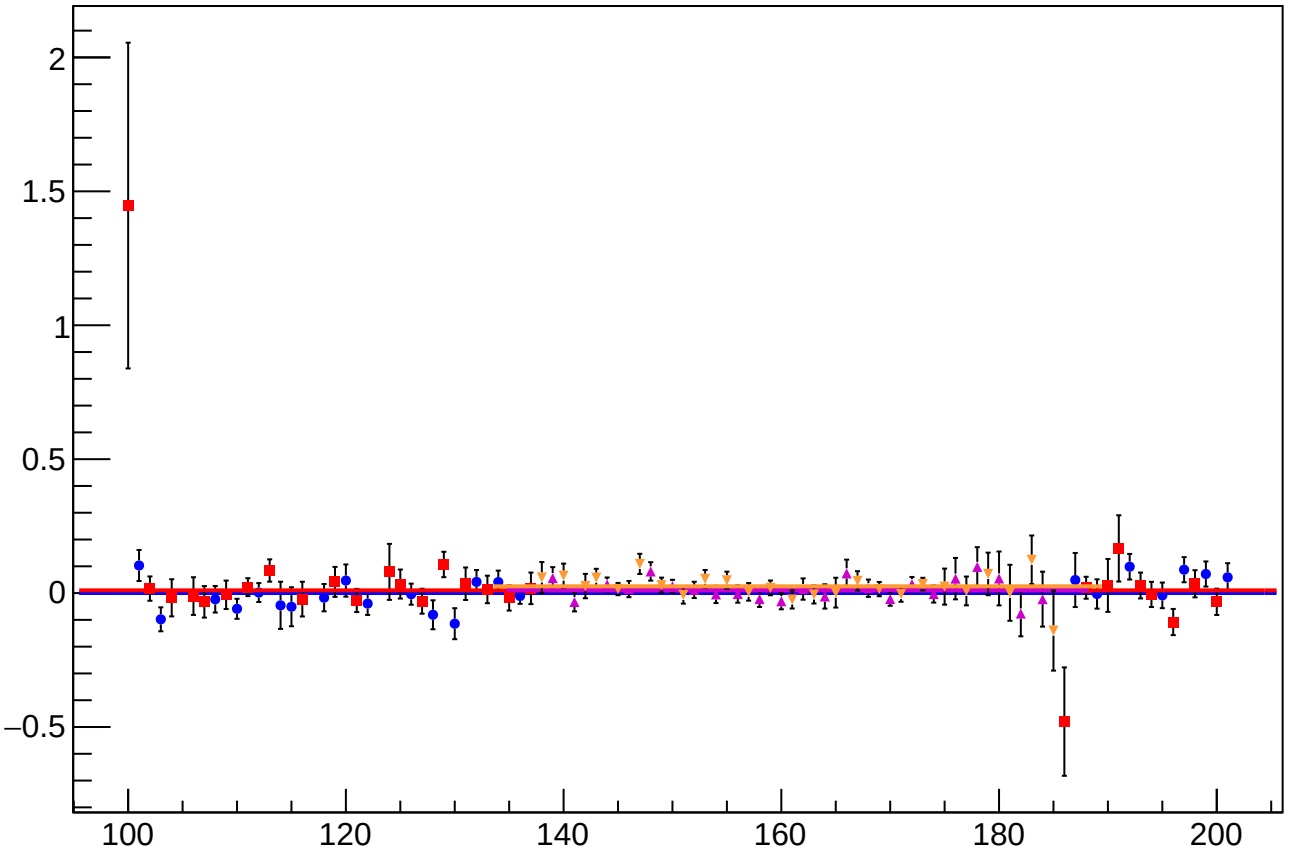
Right Out: 35.601+/-0.007 χ^2/NDF: 1727540.8/27

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

\+ sign 30.597+/-0.004 χ^2/NDF: 5496385.8/47

All: 30.957+/-0.003 χ^2/NDF: 10616144.6/98

\- sign 31.333+/-0.004 χ^2/NDF: 5103985.4/50



Right In: 0.000+/-0.010 χ^2/NDF: 32.6/22

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

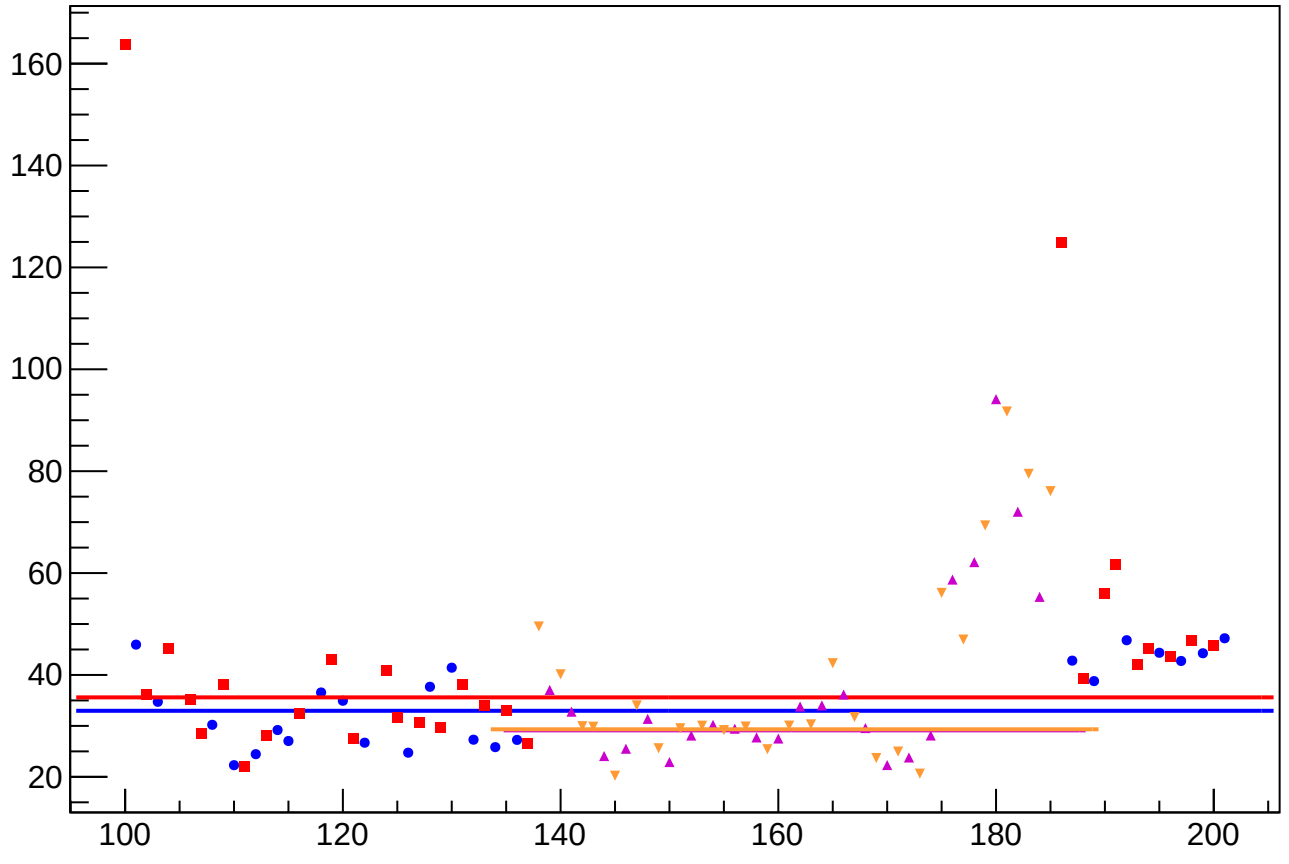
Right Out: 0.010+/-0.010 χ^2/NDF: 31.9/27

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: 105.6/98

- sign 0.011+/-0.006 χ^2/NDF: 50.8/50



Right In: 32.966+/-0.007 χ^2/NDF: 1443595.1/22

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

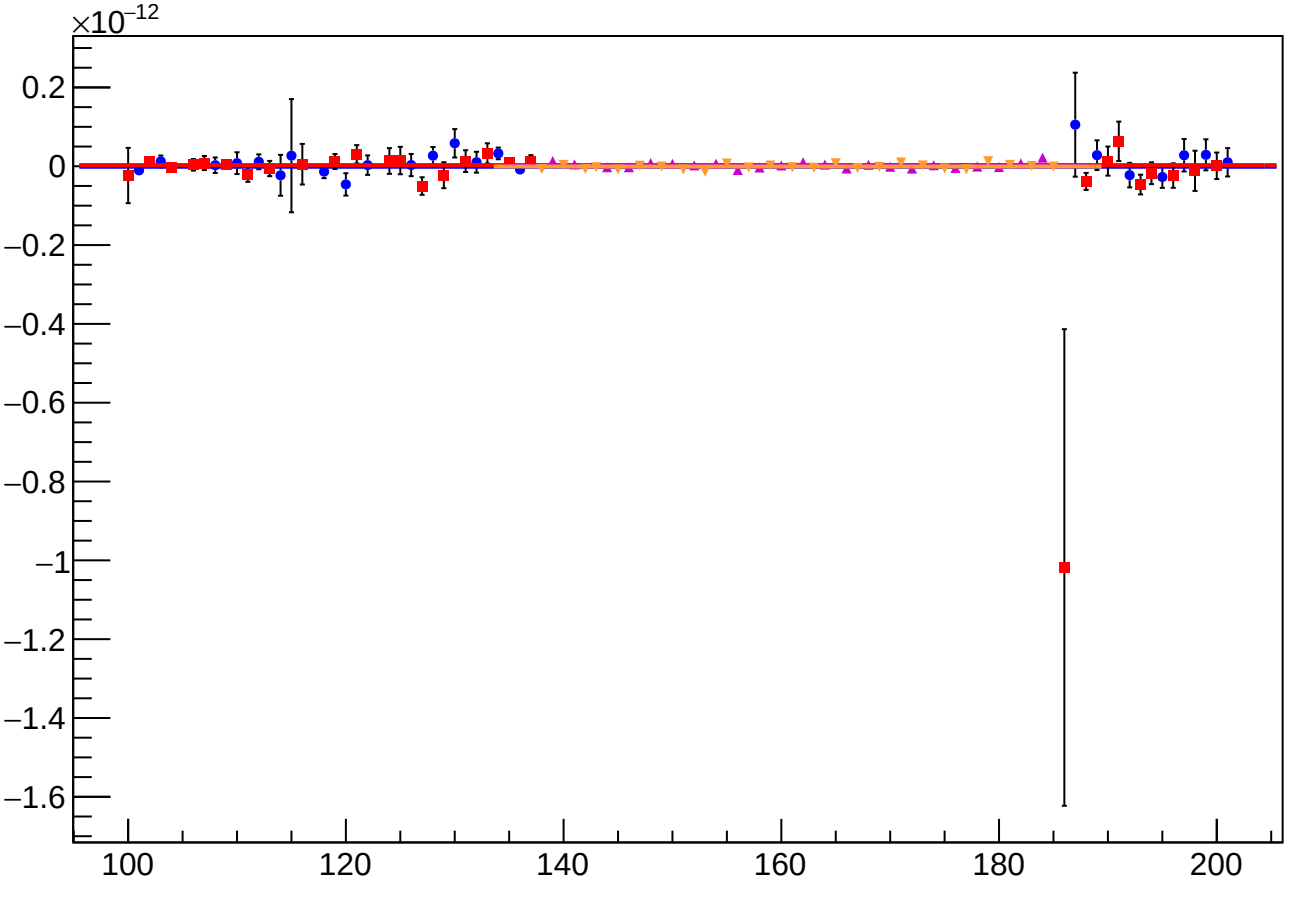
Right Out: 35.601+/-0.007 χ^2/NDF: 1727540.8/27

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.597+/-0.004 χ^2/NDF: 5496385.8/47

All: 30.957+/-0.003 χ^2/NDF: 10616144.6/98

- sign 31.333+/-0.004 χ^2/NDF: 5103985.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

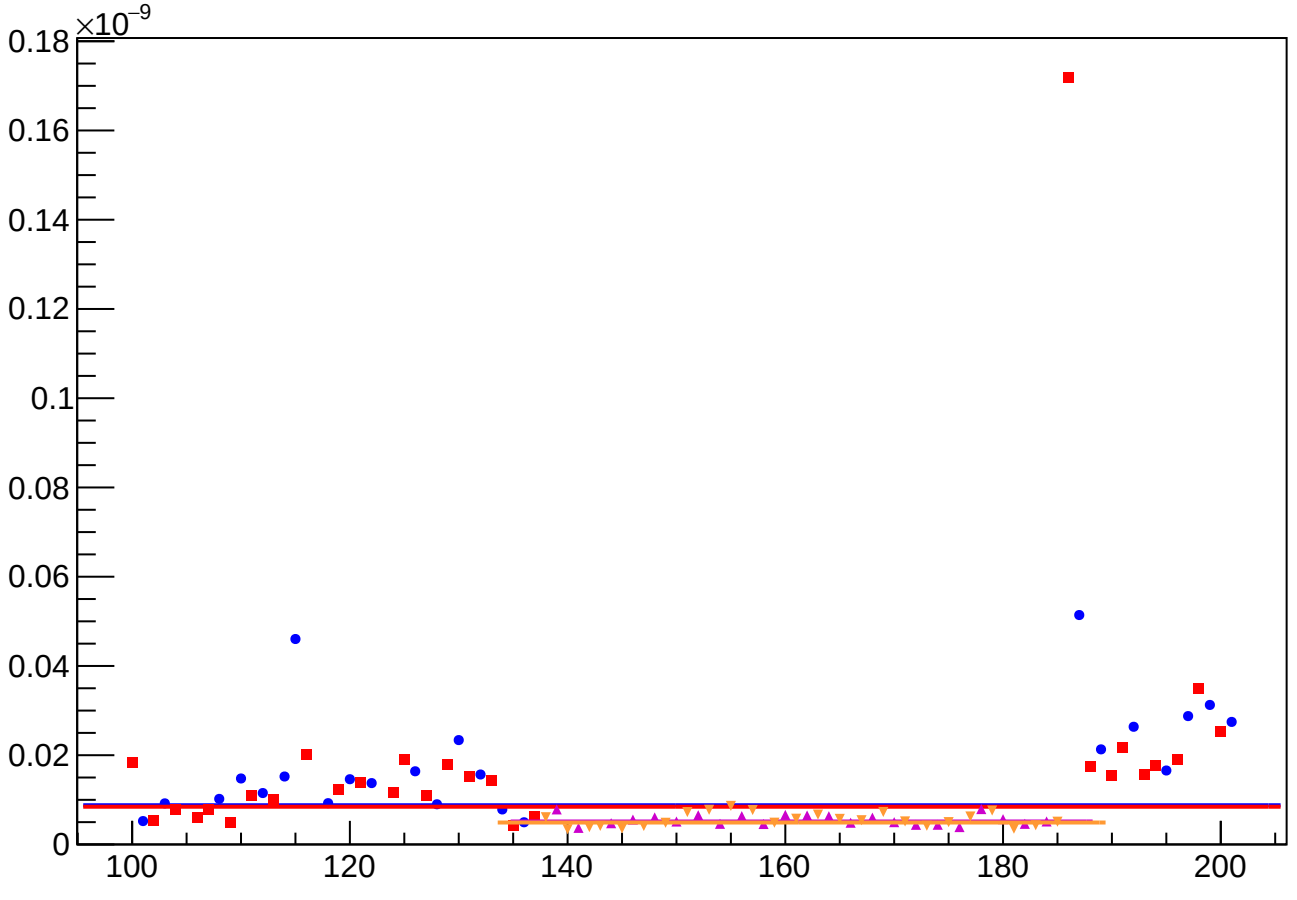
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/27

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: 81.5/98

- sign 0.000+/-0.000 χ^2/NDF: 43.8/50



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: 4574558.8/27

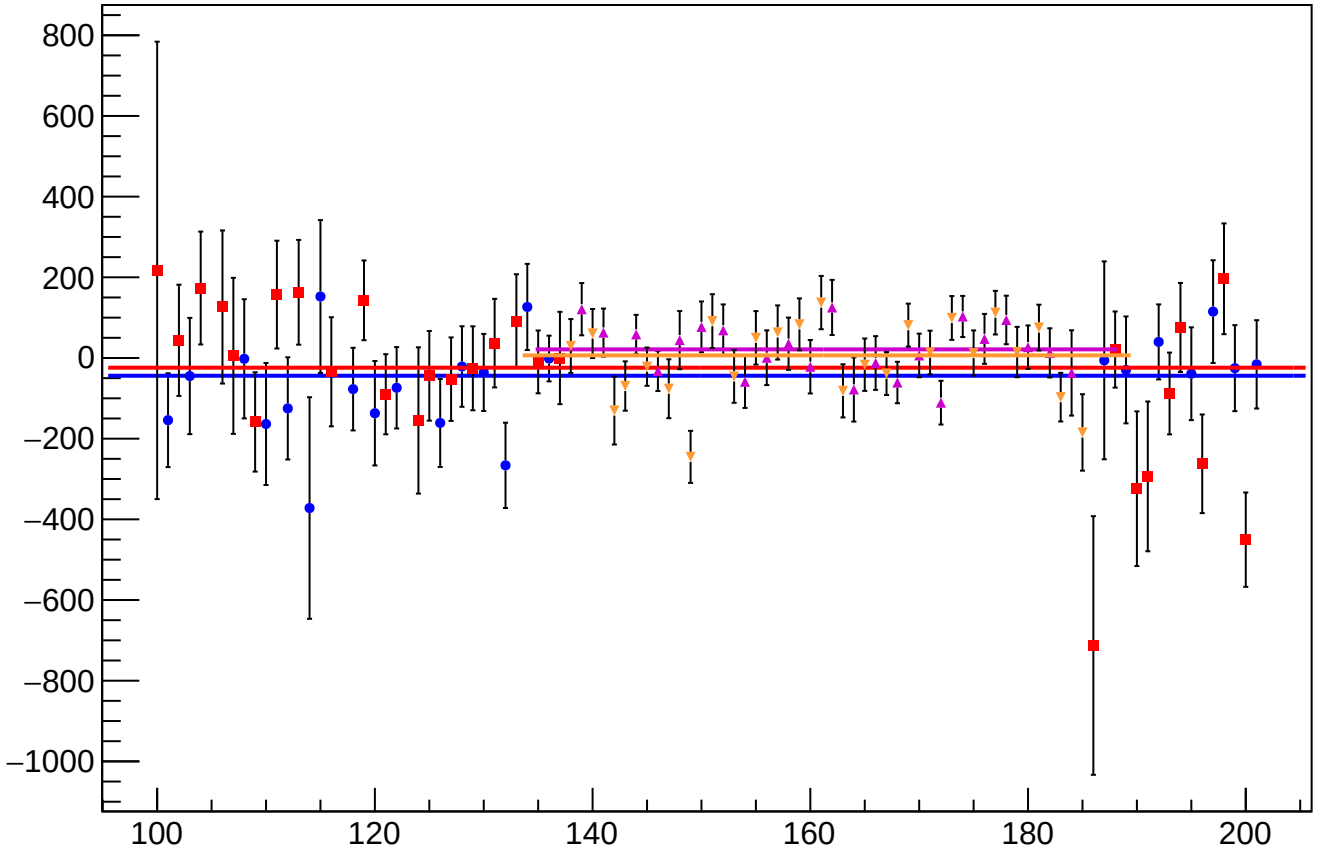
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8892280.5/47

All: 0.000+/-0.000 χ^2/NDF: 16028387.1/98

- sign 0.000+/-0.000 χ^2/NDF: 7101427.7/50

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: -24.081+/-23.265 χ^2/NDF: 43.8/27

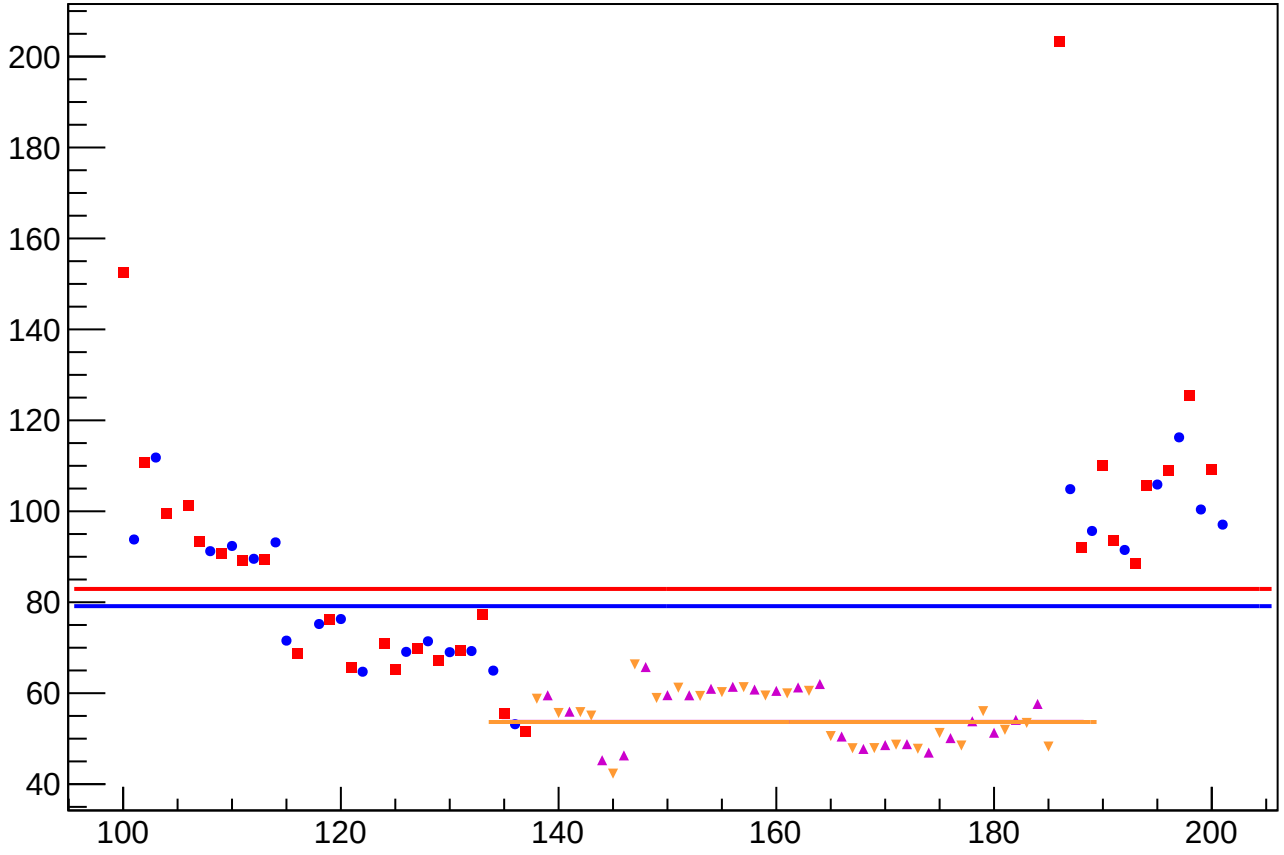
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -4.505+/-10.864 χ^2/NDF: 70.7/47

All: 3.059+/-7.769 χ^2/NDF: 143.8/98

- sign 10.973+/-11.113 χ^2/NDF: 72.1/50

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: 82.926+/-0.016 χ^2/NDF: 1668403.7/27

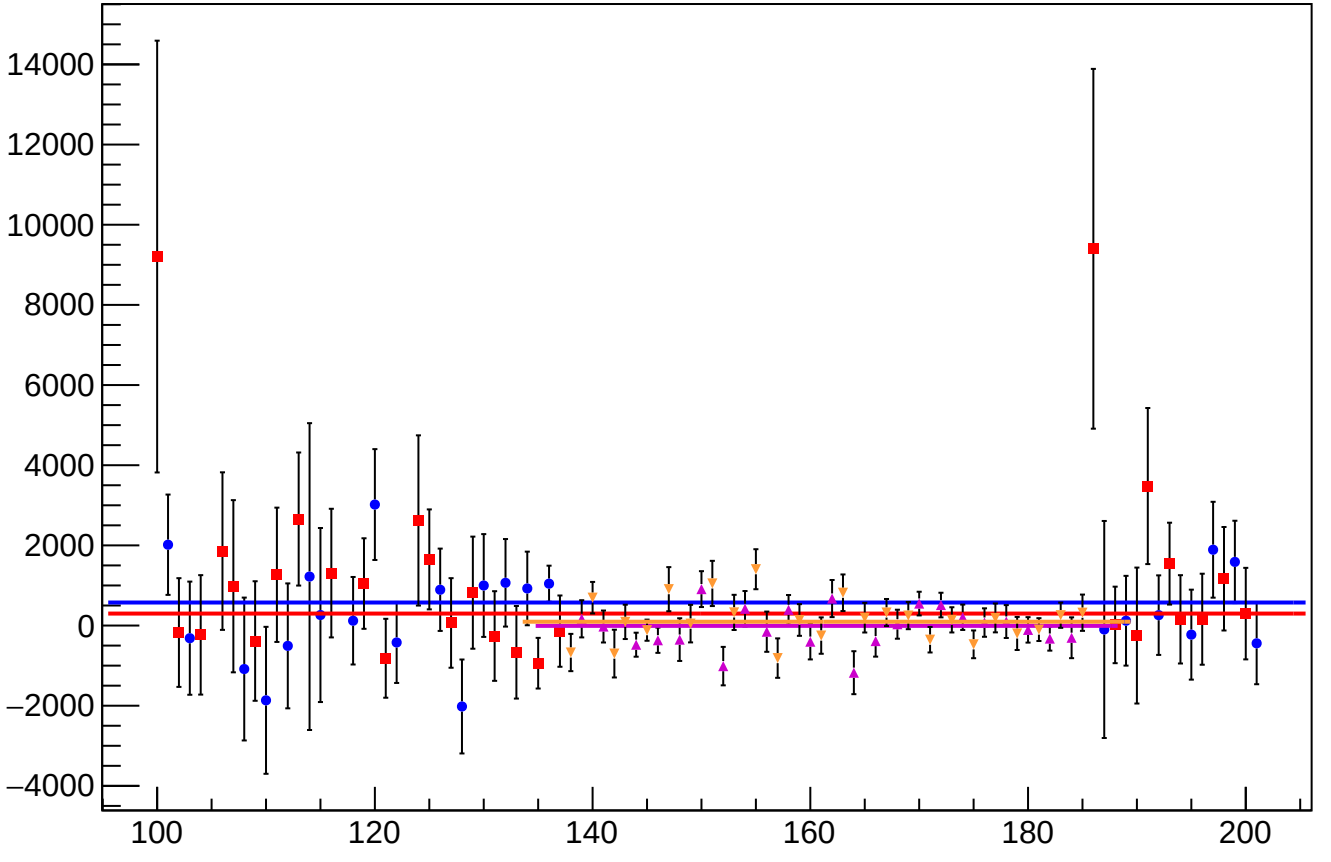
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.223+/-0.008 χ^2/NDF: 3600914.2/47

All: 59.781+/-0.005 χ^2/NDF: 8188330.2/98

- sign 60.364+/-0.008 χ^2/NDF: 4576642.1/50

asym_sam_15_26_dd_reg_correction_mean vs Slug



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: 298.669+/-235.342 χ^2/NDF: 24.9/27

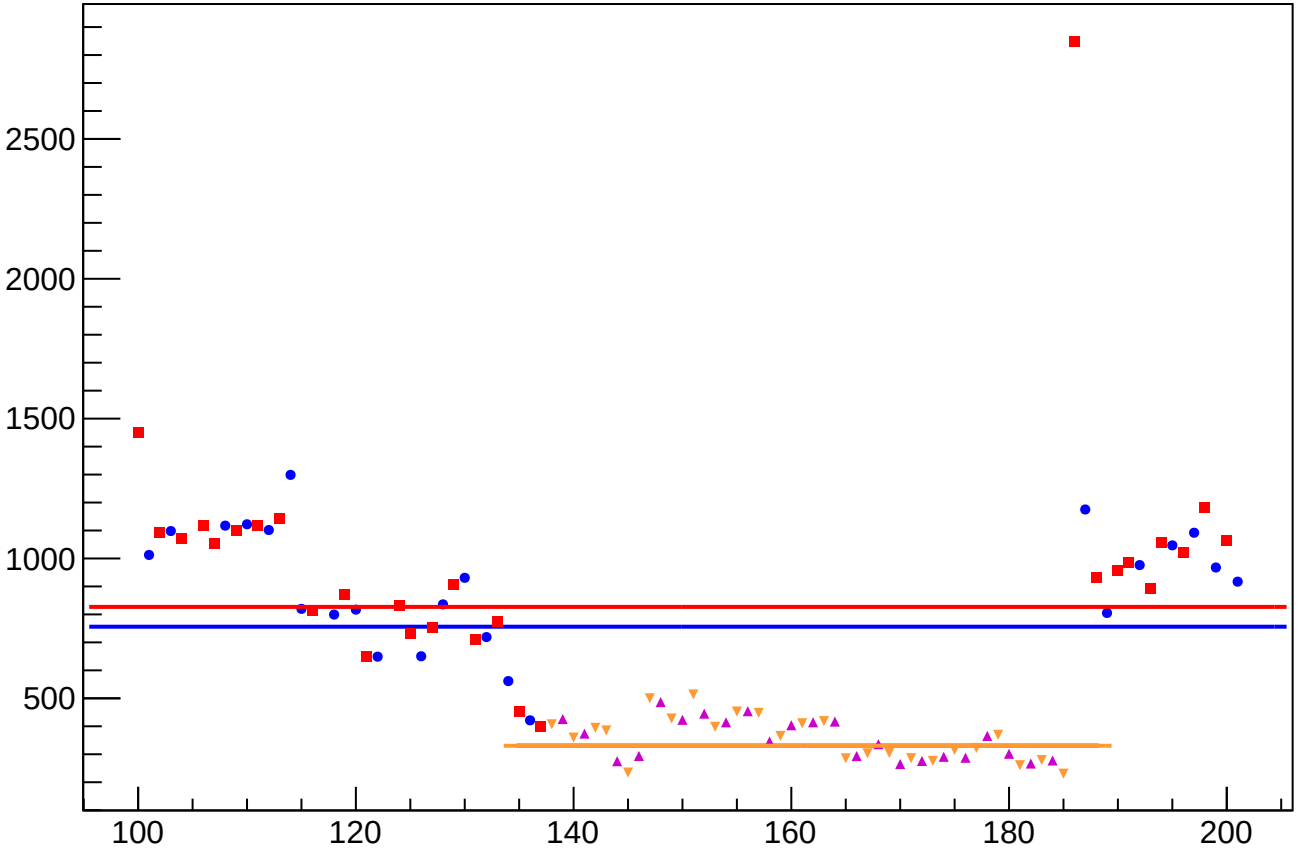
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 145.032+/-73.035 χ^2/NDF: 56.9/47

All: 85.759+/-52.324 χ^2/NDF: 117.0/98

- sign 23.254+/-75.000 χ^2/NDF: 58.8/50

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: 826.887+/-0.166 χ^2/NDF: 2562920.5/27

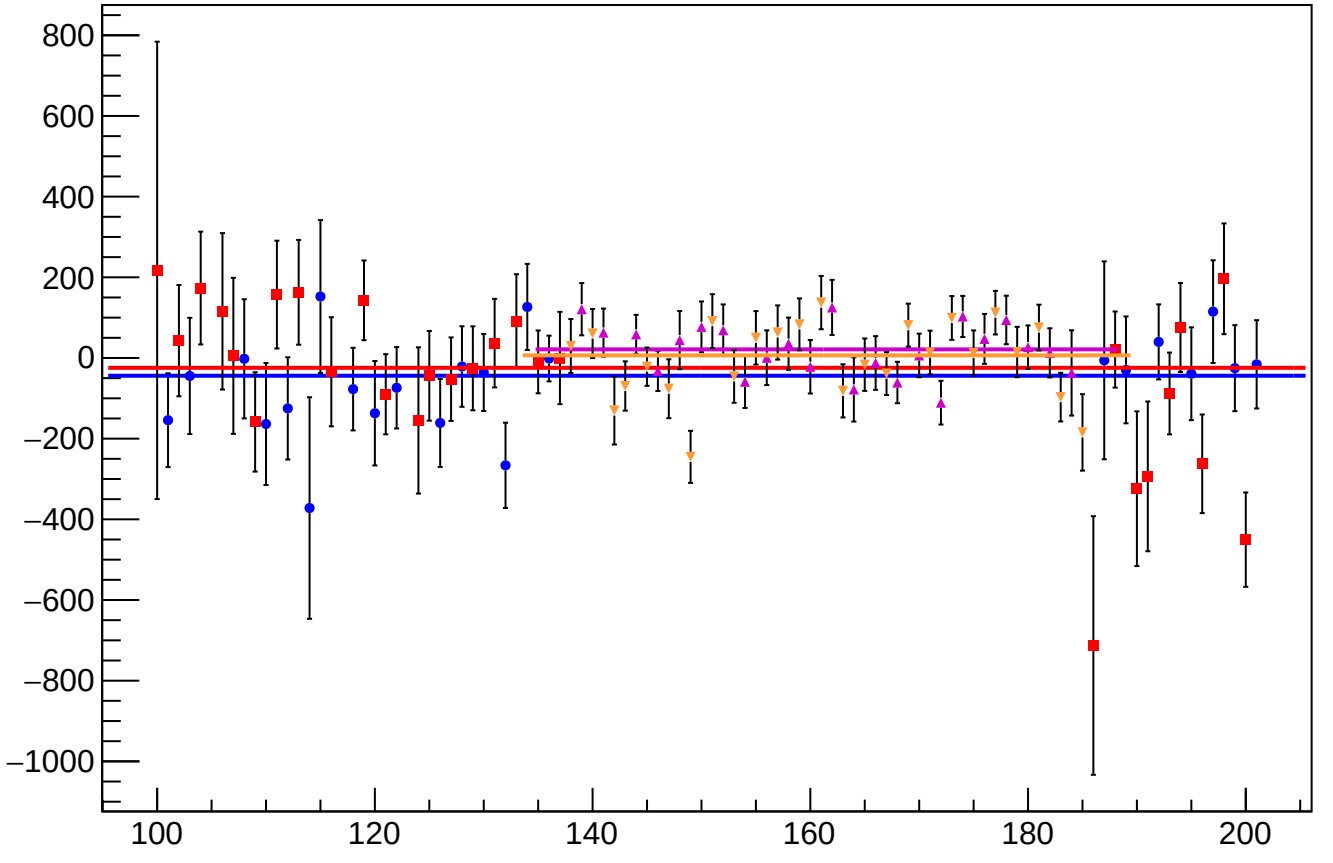
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 374.449+/-0.052 χ^2/NDF: 10434922.6/47

All: 377.840+/-0.037 χ^2/NDF: 22308272.6/98

- sign 381.415+/-0.053 χ^2/NDF: 11864495.9/50

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: -24.358+/-23.273 χ^2/NDF: 43.6/27

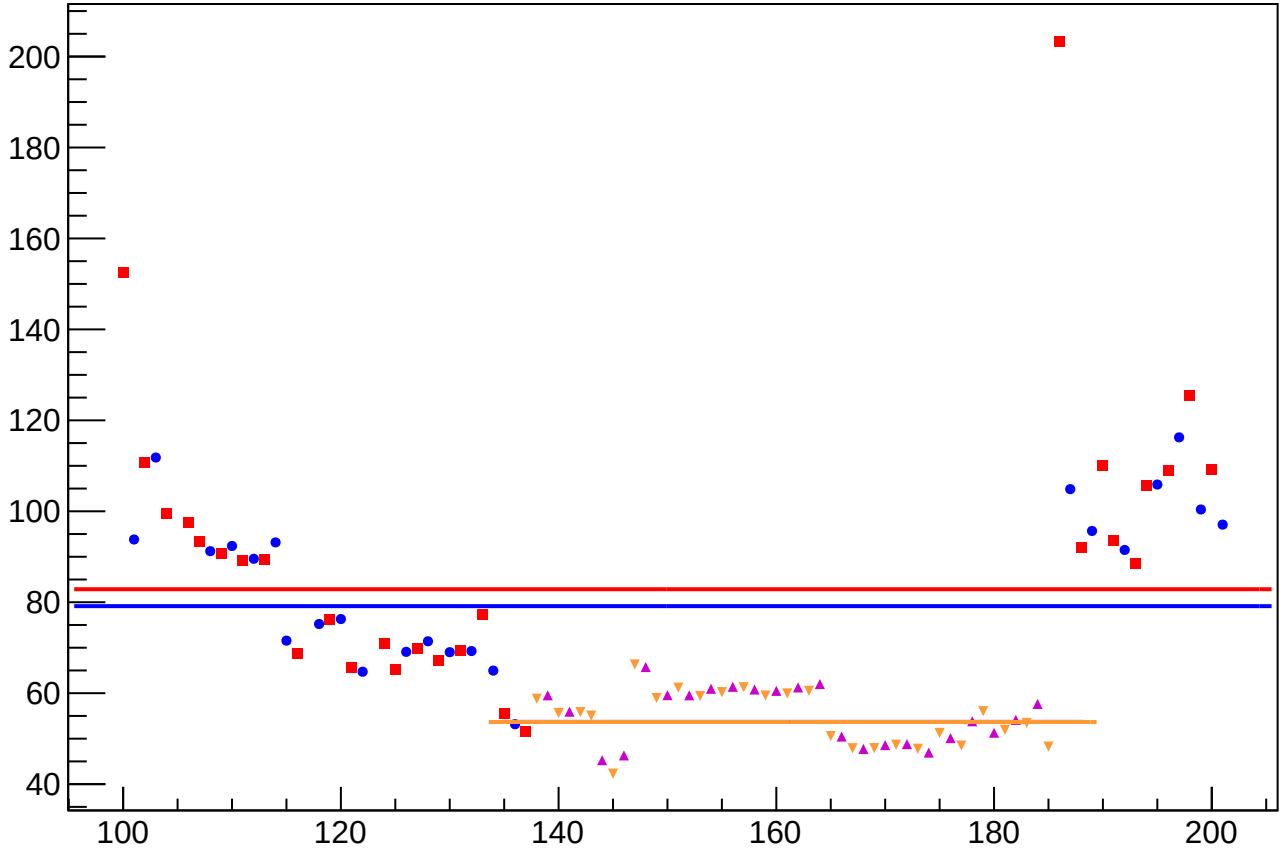
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.501+/-10.864 χ^2/NDF: 70.7/47

All: 3.032+/-7.769 χ^2/NDF: 143.7/98

- sign 10.915+/-11.114 χ^2/NDF: 72.0/50

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: 82.862+/-0.016 χ^2/NDF: 1661403.2/27

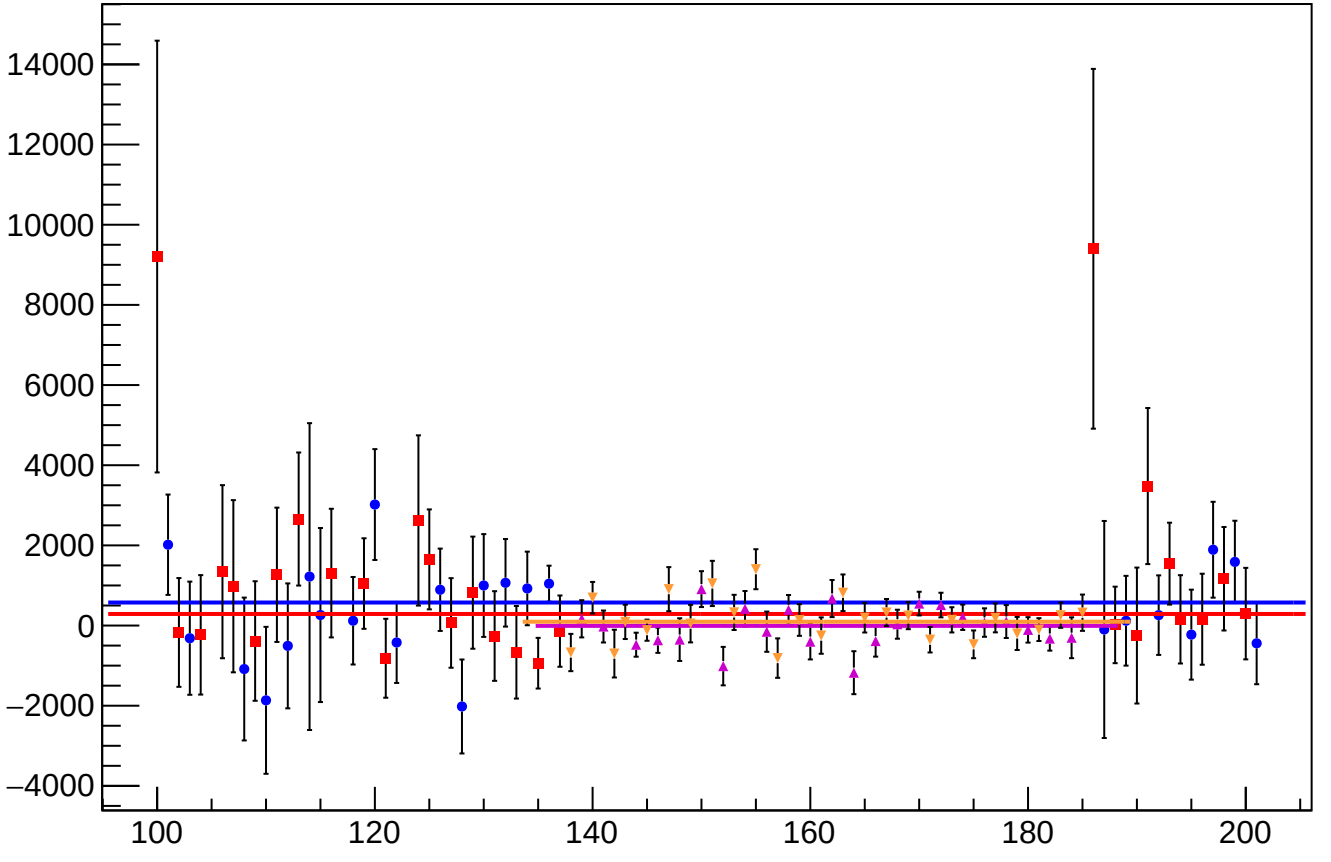
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.223+/-0.008 χ^2/NDF: 3600916.7/47

All: 59.772+/-0.005 χ^2/NDF: 8169079.0/98

- sign 60.346+/-0.008 χ^2/NDF: 4557727.3/50

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

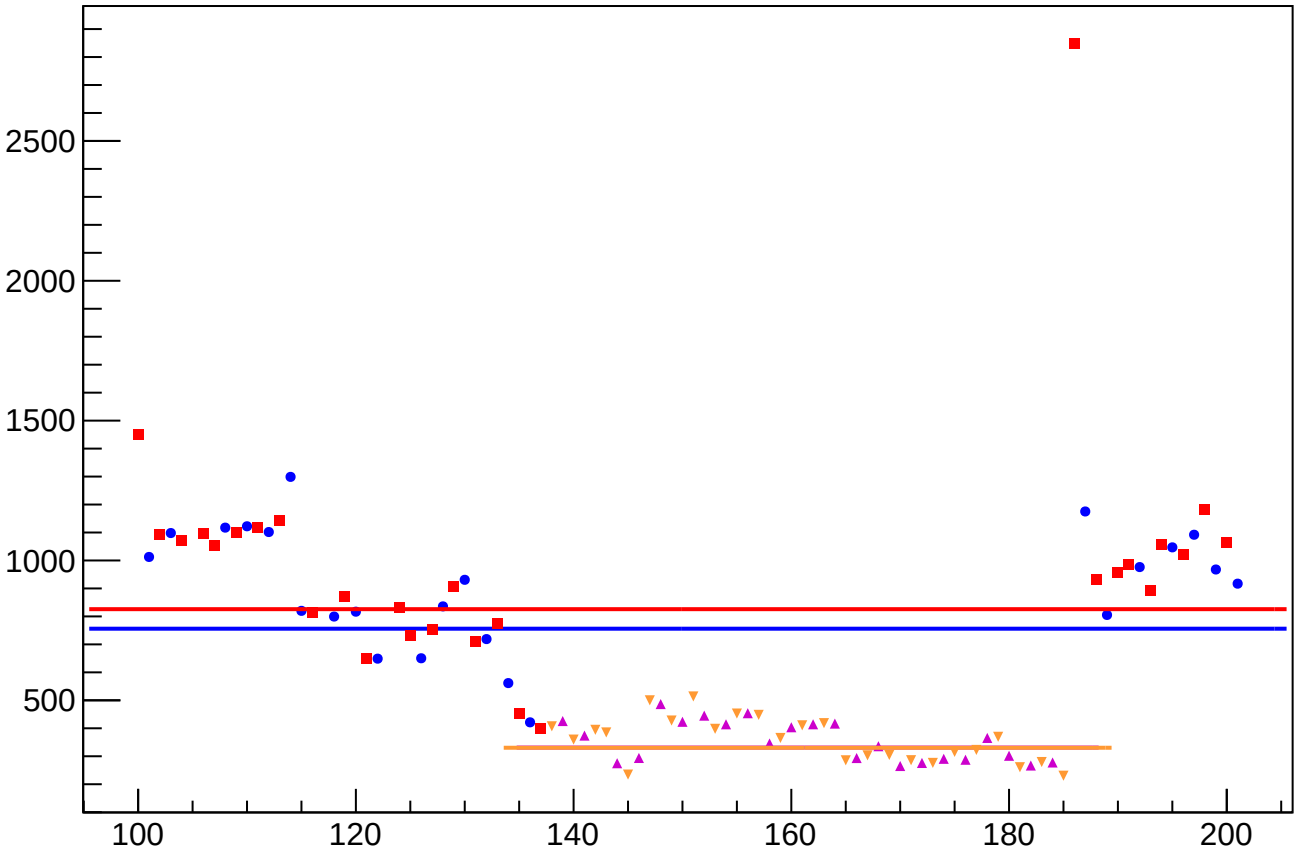
Right Out: 288.812+/-235.636 χ^2/NDF: 24.5/27

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 145.033+/-73.035 χ^2/NDF: 56.9/47

All: 85.249+/-52.327 χ^2/NDF: 116.5/98

- sign 22.189+/-75.009 χ^2/NDF: 58.3/50



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: 825.909+/-0.167 χ^2/NDF: 2550192.3/27

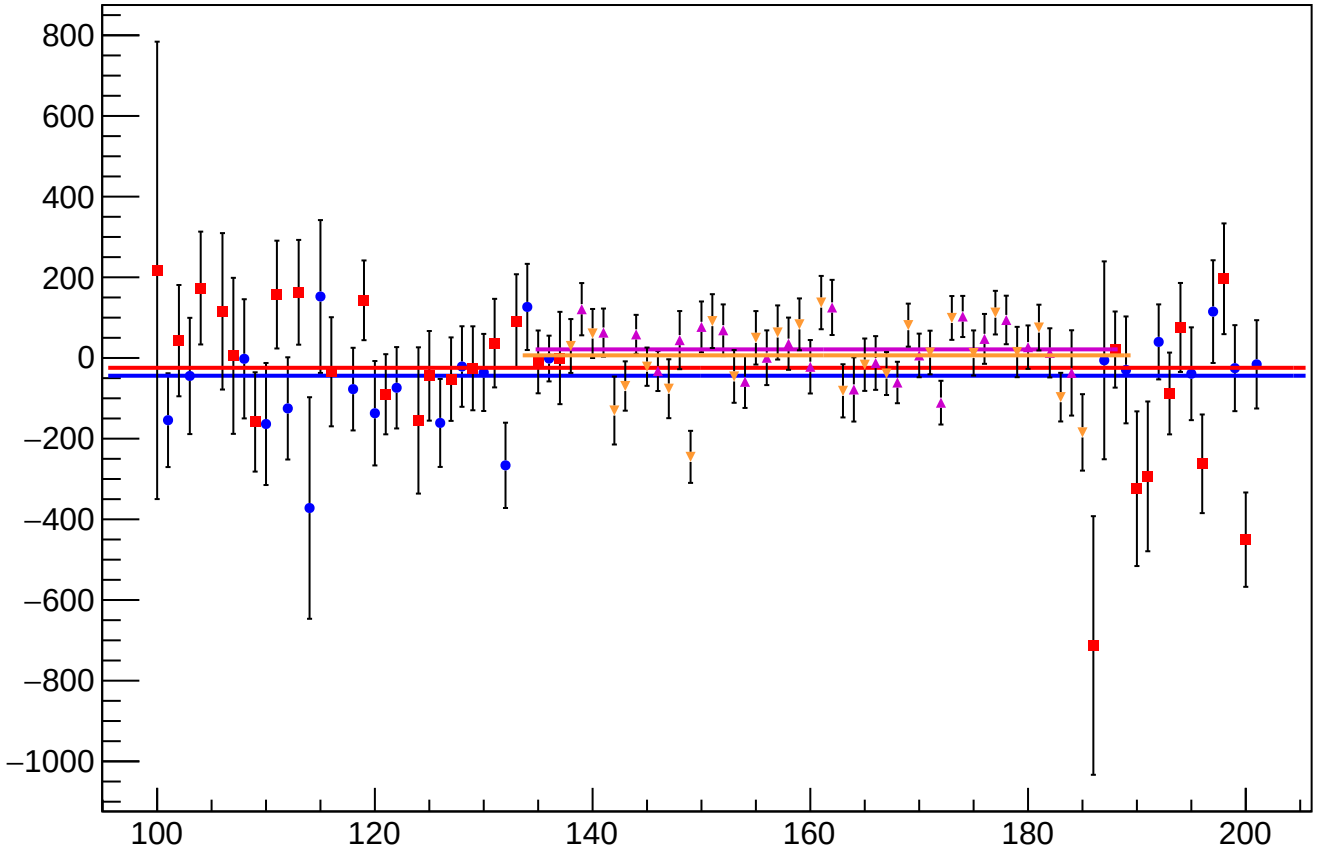
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 374.449+/-0.052 χ^2/NDF: 10434942.9/47

All: 377.736+/-0.037 χ^2/NDF: 22245799.9/98

- sign 381.203+/-0.053 χ^2/NDF: 11802535.0/50

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: -24.358+/-23.273 χ^2/NDF: 43.6/27

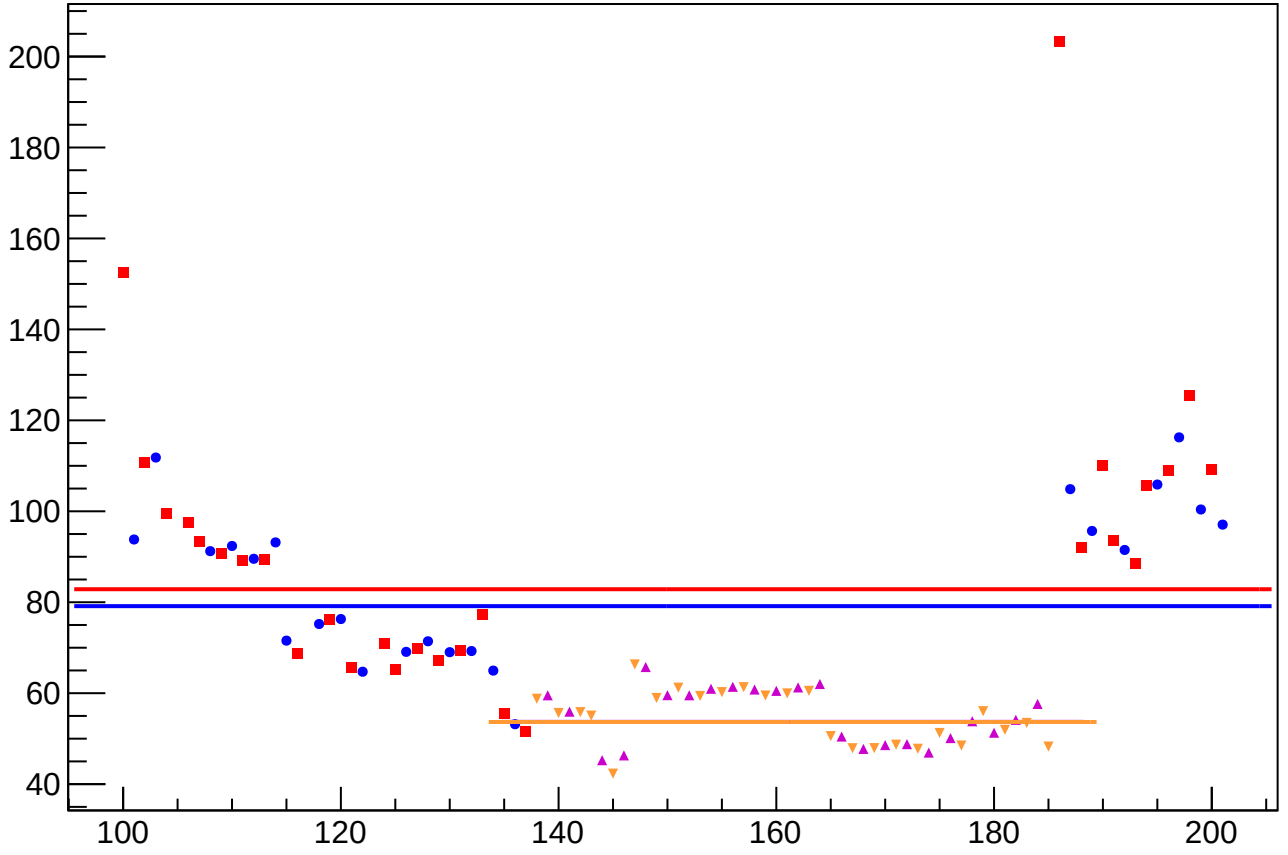
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.501+/-10.864 χ^2/NDF: 70.7/47

All: 3.032+/-7.769 χ^2/NDF: 143.7/98

- sign 10.915+/-11.114 χ^2/NDF: 72.0/50

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

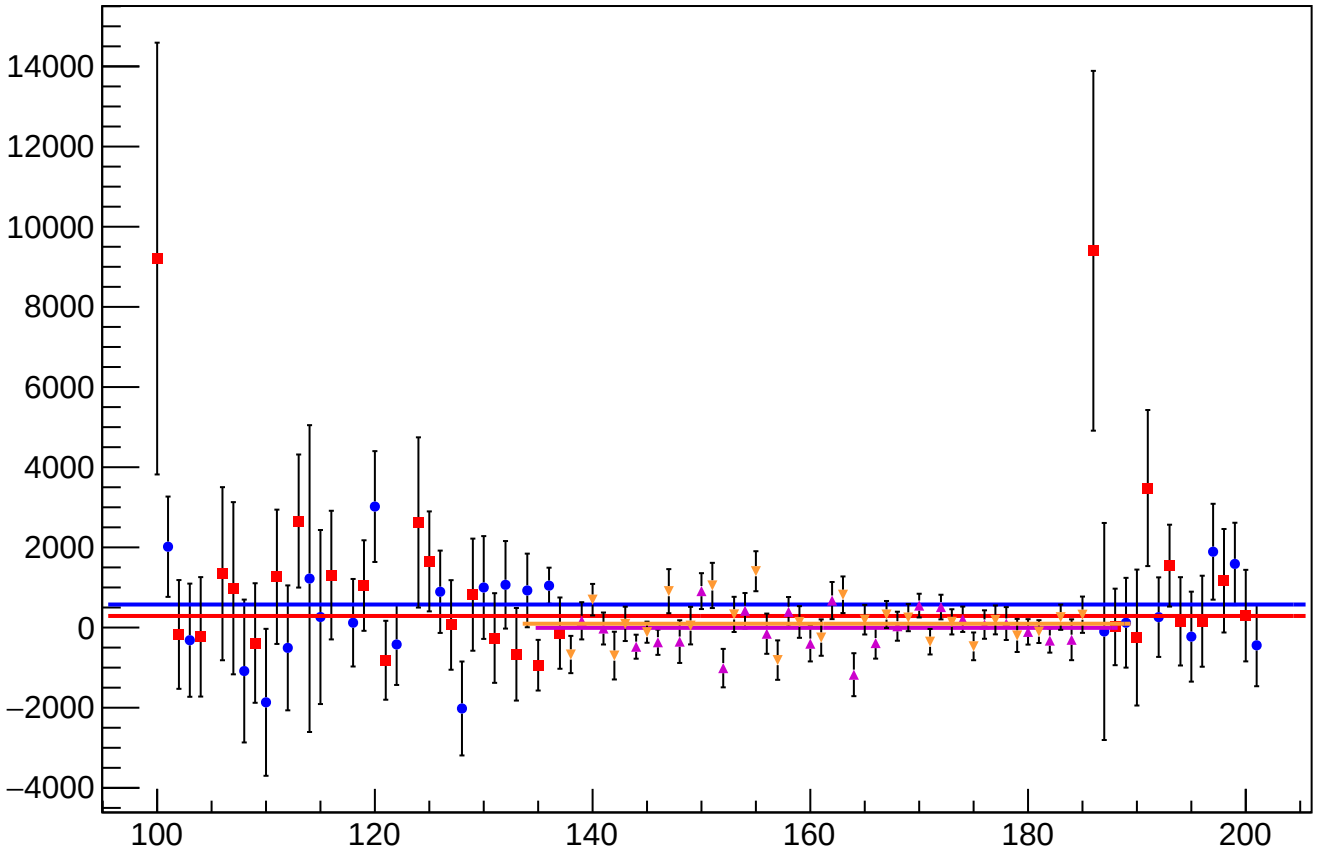
Right Out: 82.862+/-0.016 χ^2/NDF: 1661403.2/27

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.223+/-0.008 χ^2/NDF: 3600916.7/47

All: 59.772+/-0.005 χ^2/NDF: 8169079.0/98

- sign 60.346+/-0.008 χ^2/NDF: 4557727.3/50



Right In: 574.570+/-227.047 χ^2/NDF: 19.7/22

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

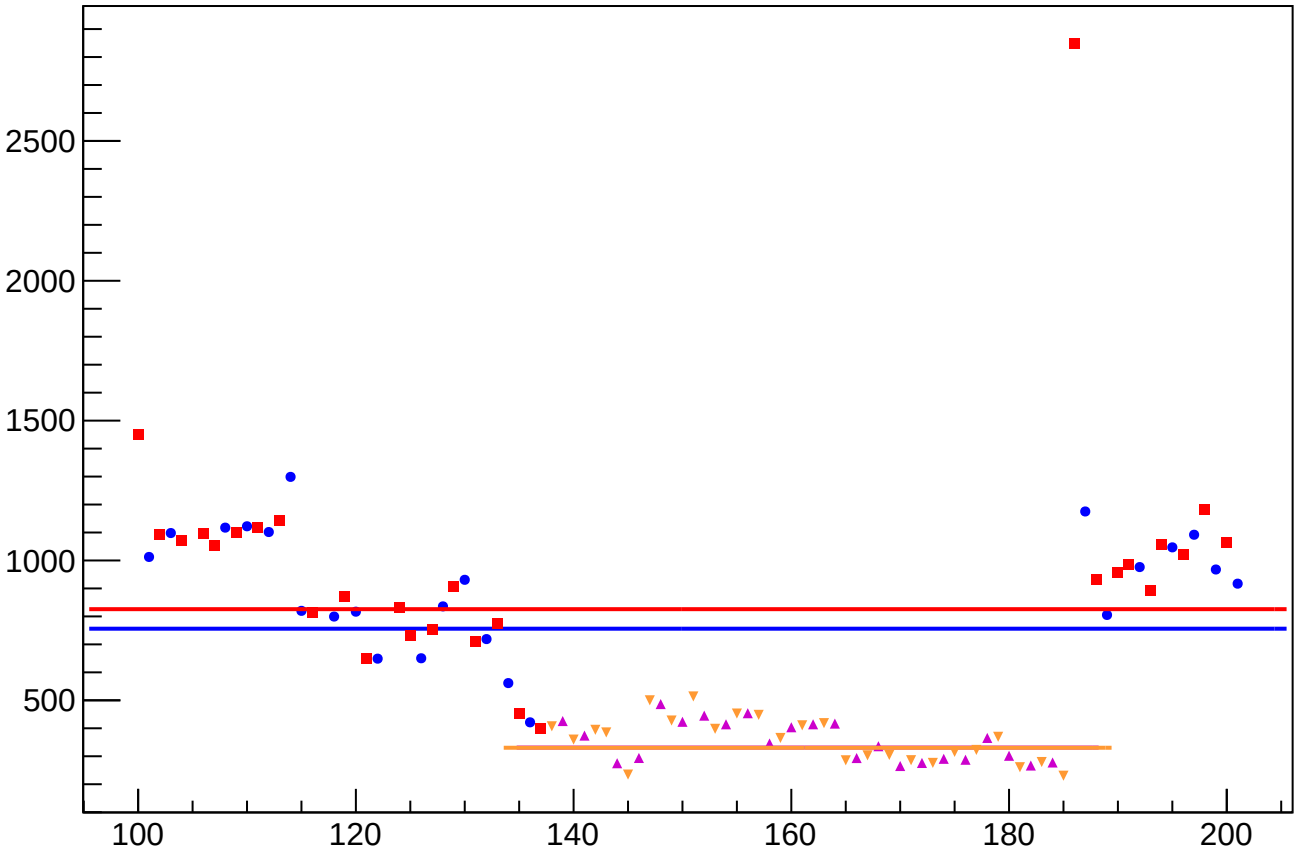
Right Out: 288.812+/-235.636 χ^2/NDF: 24.5/27

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 145.033+/-73.035 χ^2/NDF: 56.9/47

All: 85.249+/-52.327 χ^2/NDF: 116.5/98

- sign 22.189+/-75.009 χ^2/NDF: 58.3/50



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: 825.909+/-0.167 χ^2/NDF: 2550192.3/27

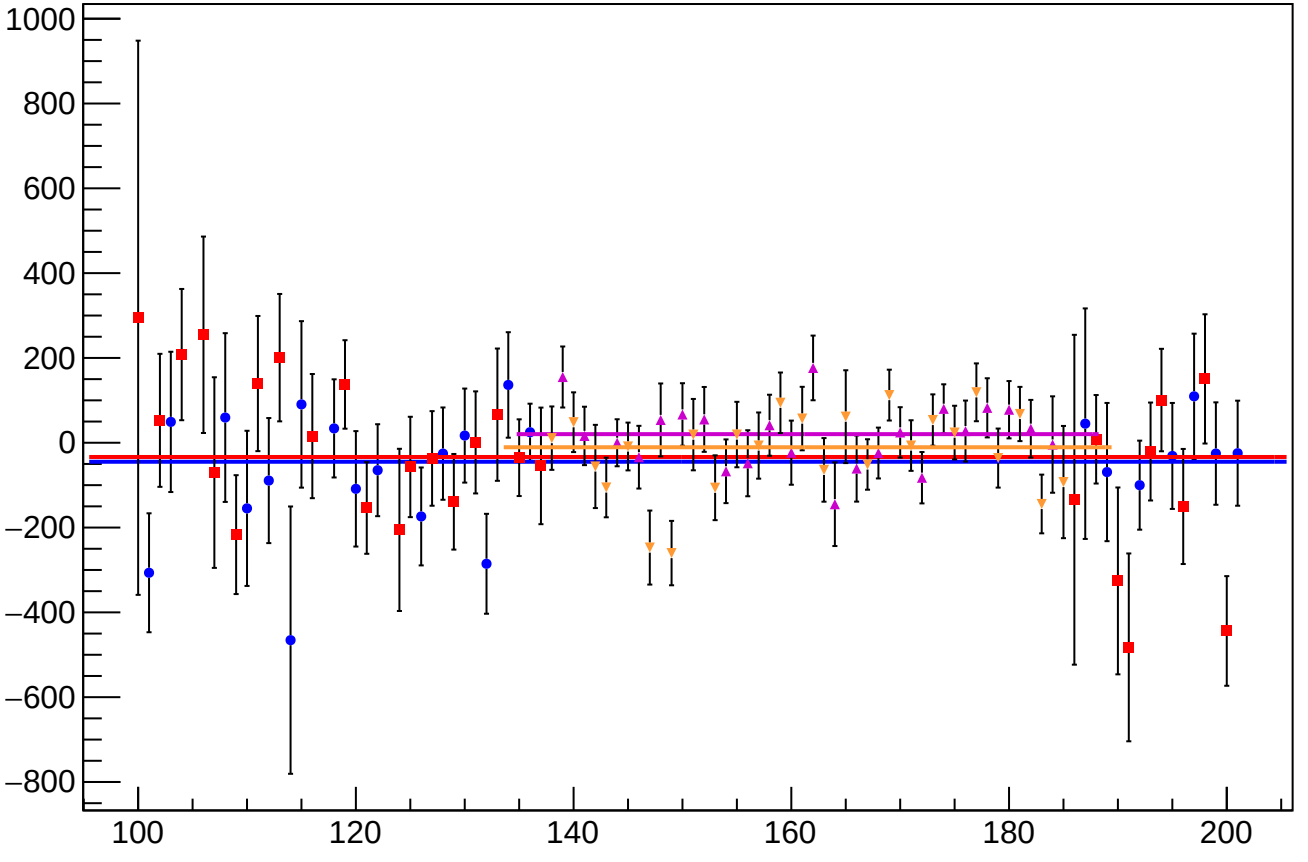
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 374.449+/-0.052 χ^2/NDF: 10434942.9/47

All: 377.736+/-0.037 χ^2/NDF: 22245799.9/98

- sign 381.203+/-0.053 χ^2/NDF: 11802535.0/50

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: -33.569+/-26.125 χ^2/NDF: 35.8/27

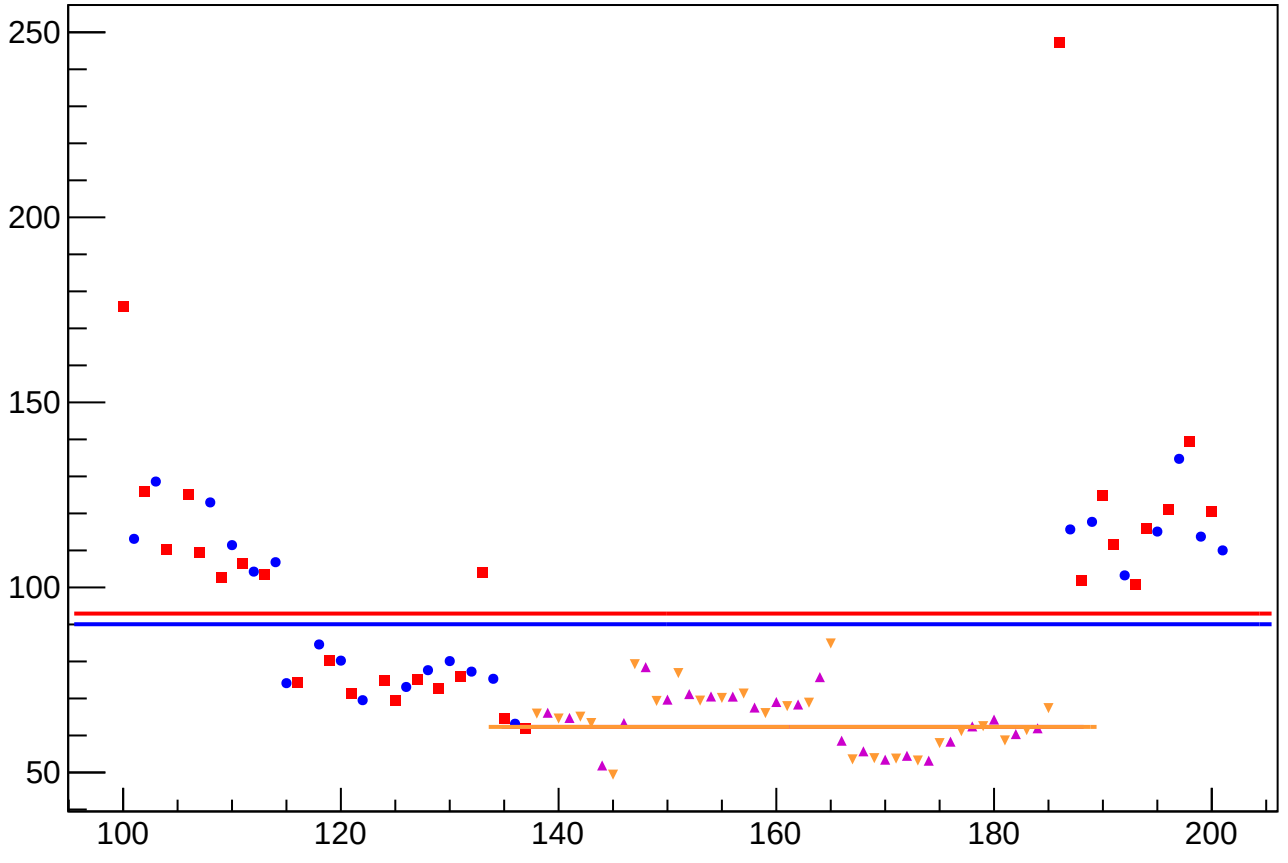
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.324+/-12.594 χ^2/NDF: 61.5/47

All: -5.772+/-8.992 χ^2/NDF: 124.2/98

- sign 7.284+/-12.844 χ^2/NDF: 60.7/50

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: 92.937+/-0.018 χ^2/NDF: 1763565.6/27

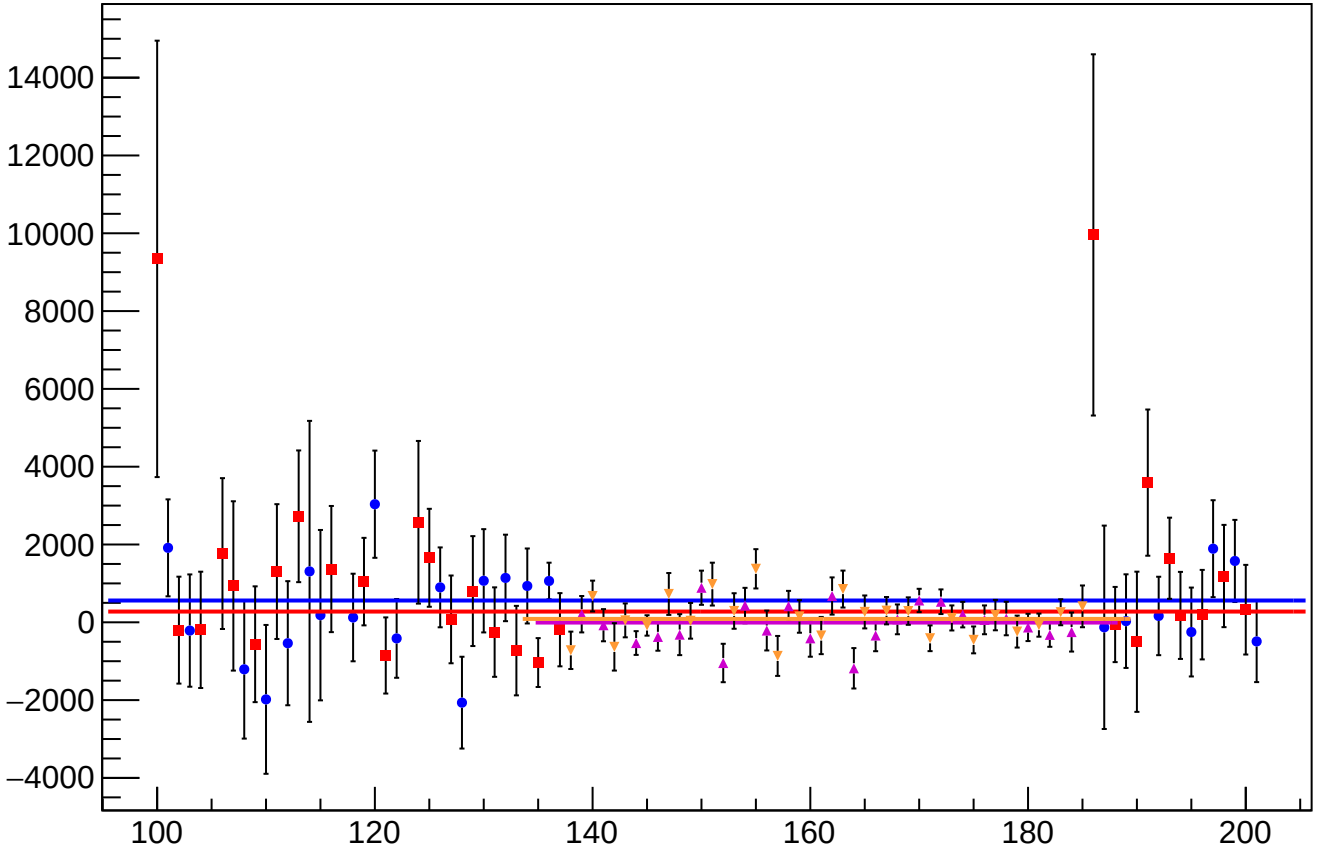
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 68.573+/-0.009 χ^2/NDF: 3654988.8/47

All: 69.132+/-0.006 χ^2/NDF: 7995281.4/98

- sign 69.713+/-0.009 χ^2/NDF: 4332253.3/50

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: 276.157+/-237.902 χ^2/NDF: 26.7/27

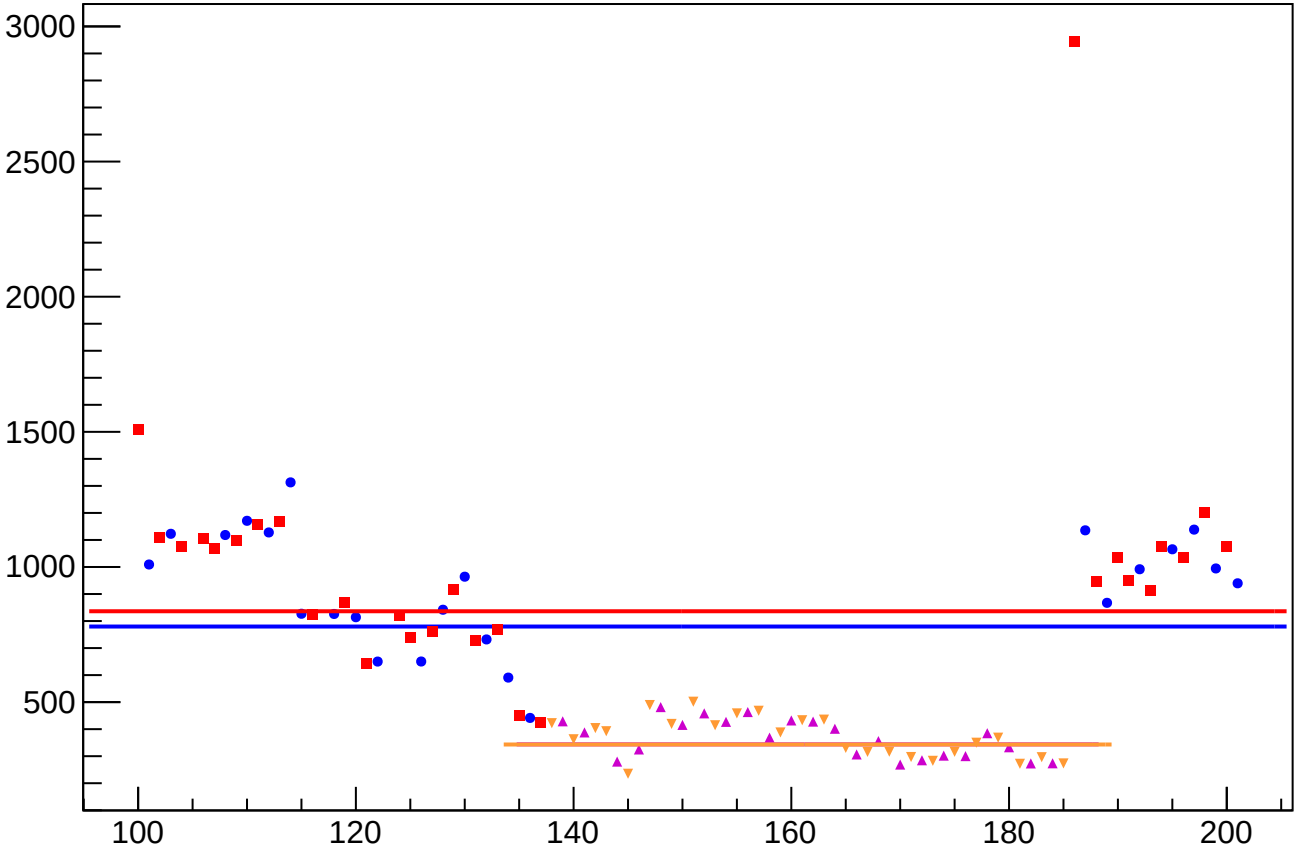
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 136.571+/-75.538 χ^2/NDF: 55.2/47

All: 81.614+/-54.134 χ^2/NDF: 116.6/98

- sign 23.590+/-77.618 χ^2/NDF: 60.4/50

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: 836.217+/-0.168 χ^2/NDF: 2572980.2/27

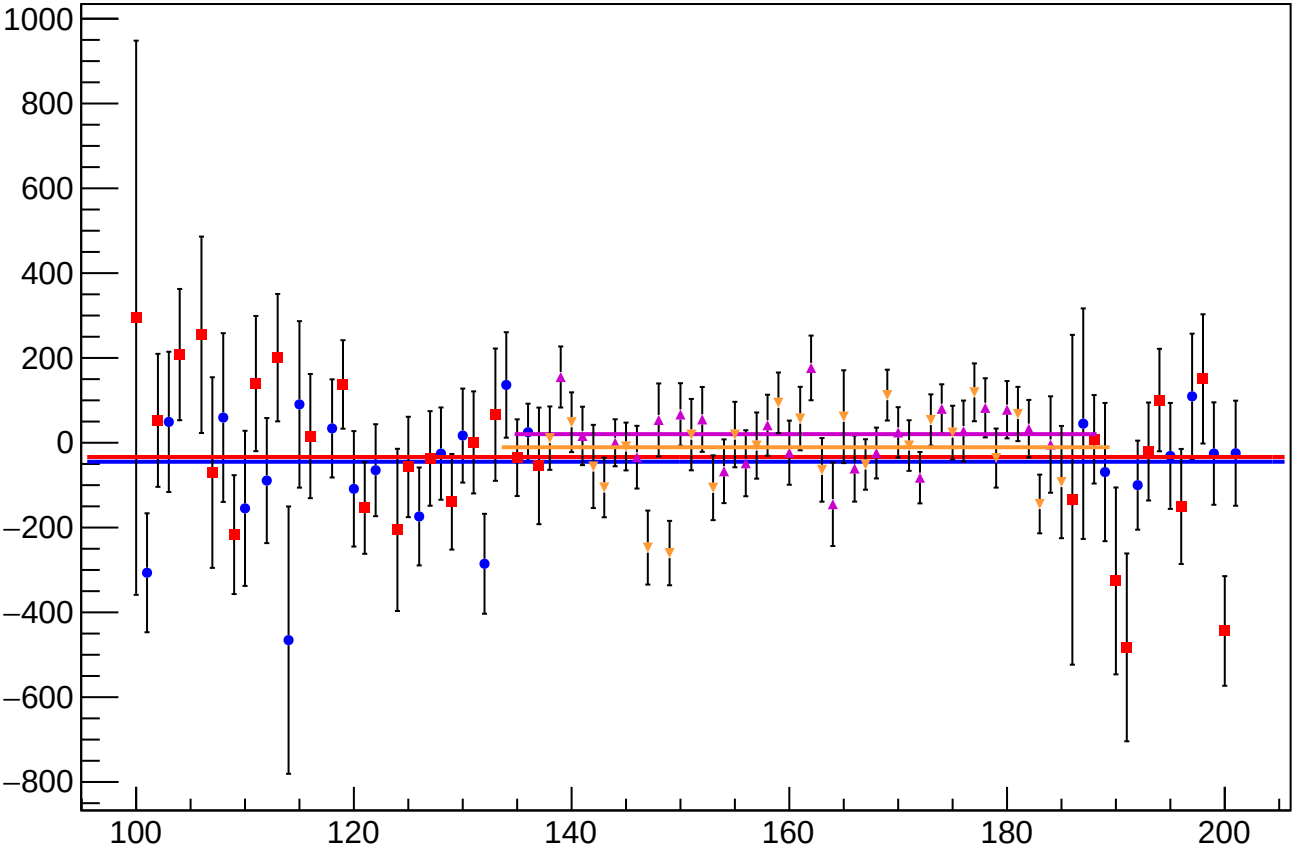
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 388.961+/-0.053 χ^2/NDF: 10116491.9/47

All: 392.454+/-0.038 χ^2/NDF: 21615575.1/98

- sign 396.141+/-0.055 χ^2/NDF: 11490295.1/50

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: -33.569+/-26.125 χ^2/NDF: 35.8/27

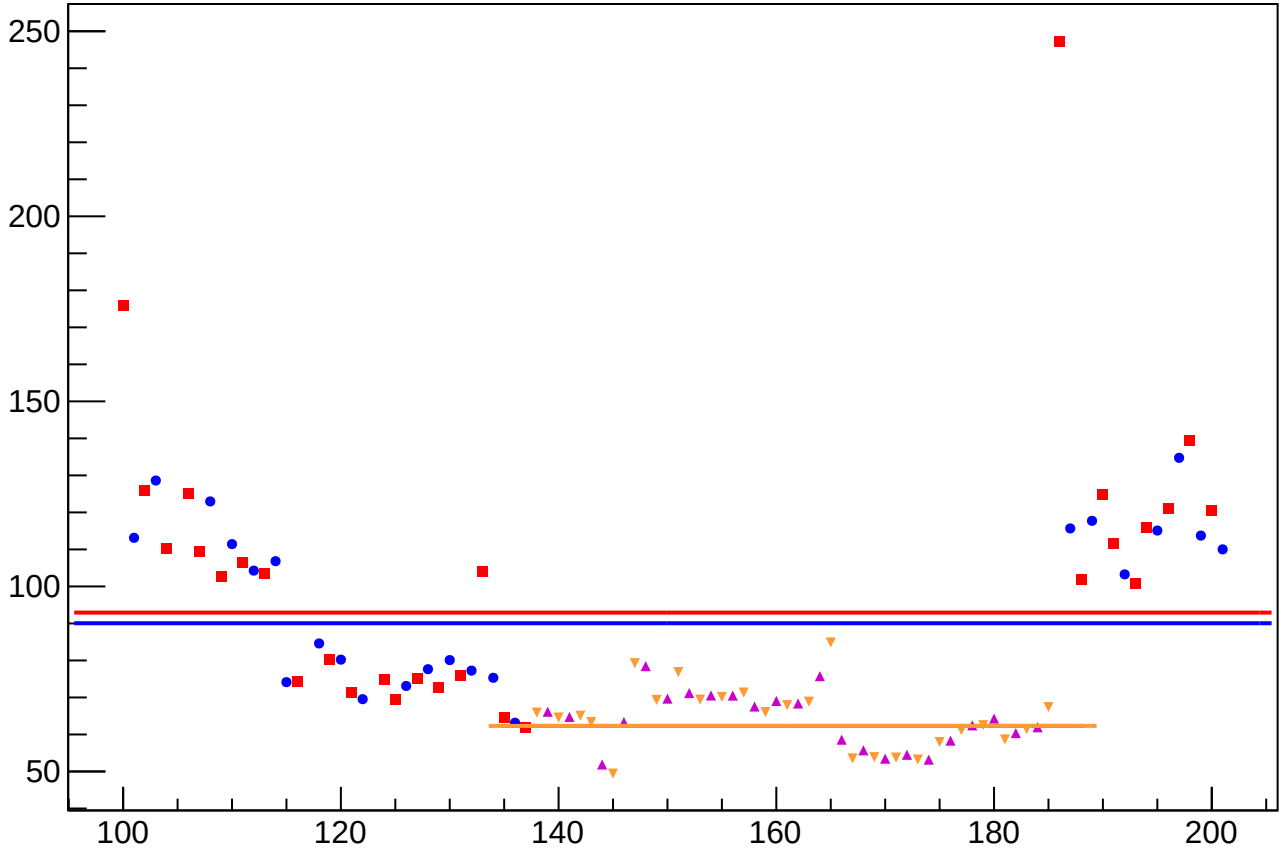
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.323+/-12.594 χ^2/NDF: 61.5/47

All: -5.772+/-8.992 χ^2/NDF: 124.2/98

- sign 7.283+/-12.844 χ^2/NDF: 60.7/50

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

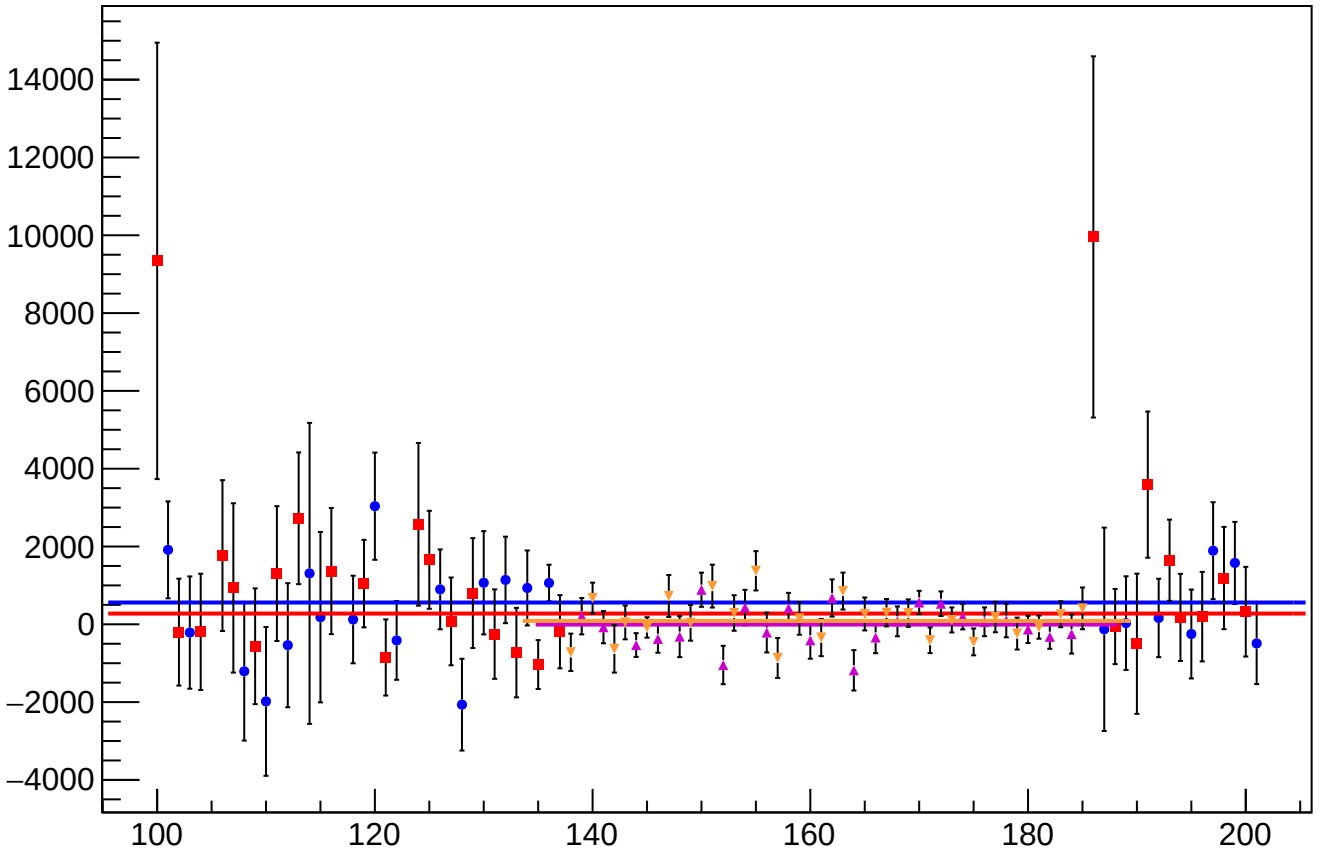
Right Out: 92.936+/-0.018 χ^2/NDF: 1763560.2/27

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 68.573+/-0.009 χ^2/NDF: 3654963.1/47

All: 69.132+/-0.006 χ^2/NDF: 7995194.7/98

- sign 69.713+/-0.009 χ^2/NDF: 4332190.4/50



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: 276.158+/-237.902 χ^2/NDF: 26.7/27

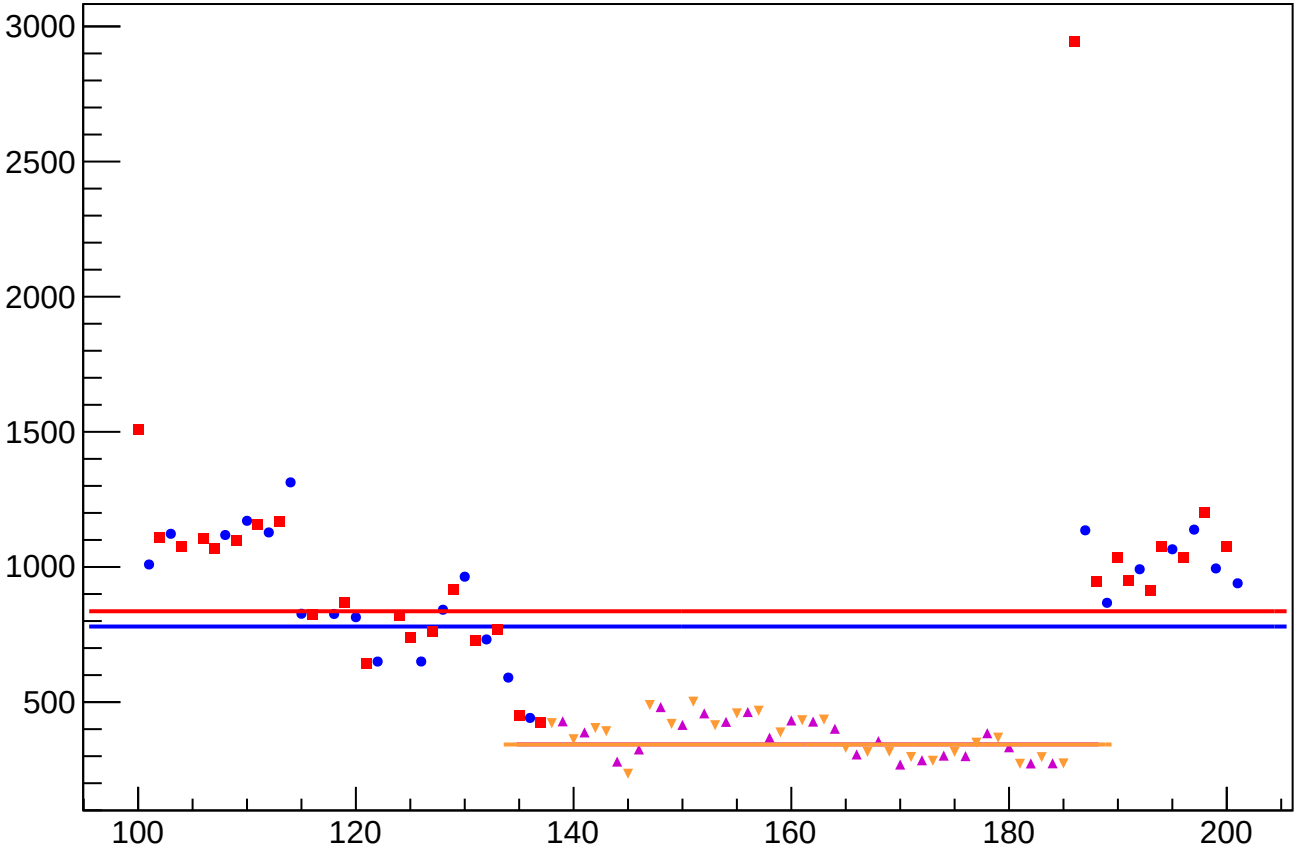
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 136.572+/-75.538 χ^2/NDF: 55.2/47

All: 81.615+/-54.134 χ^2/NDF: 116.6/98

- sign 23.590+/-77.618 χ^2/NDF: 60.4/50

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



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: 836.216+/-0.168 χ^2/NDF: 2572977.4/27

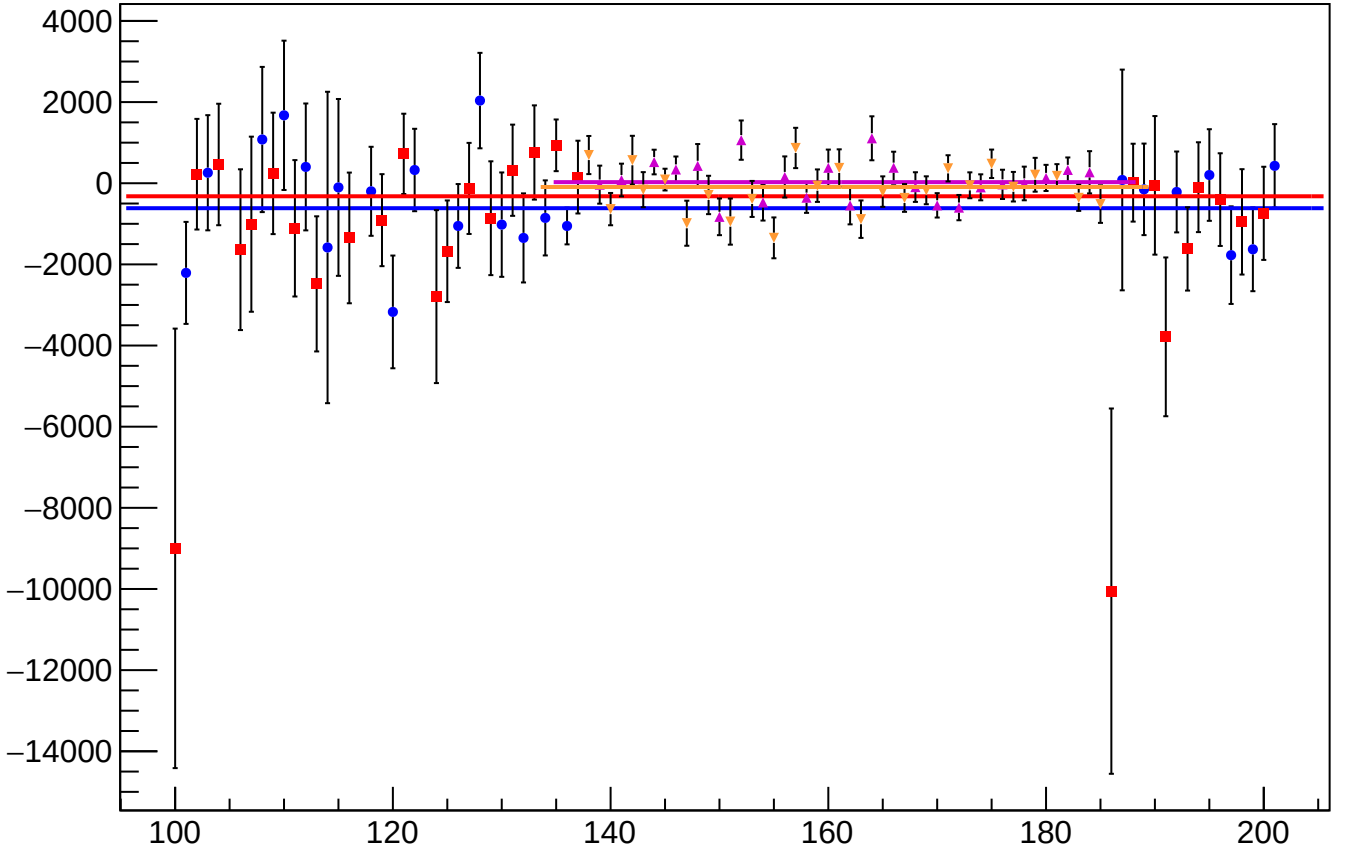
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 388.962+/-0.053 χ^2/NDF: 10116494.8/47

All: 392.454+/-0.038 χ^2/NDF: 21615573.6/98

- sign 396.141+/-0.055 χ^2/NDF: 11490290.4/50

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: -321.394+/-236.640 χ^2/NDF: 25.4/27

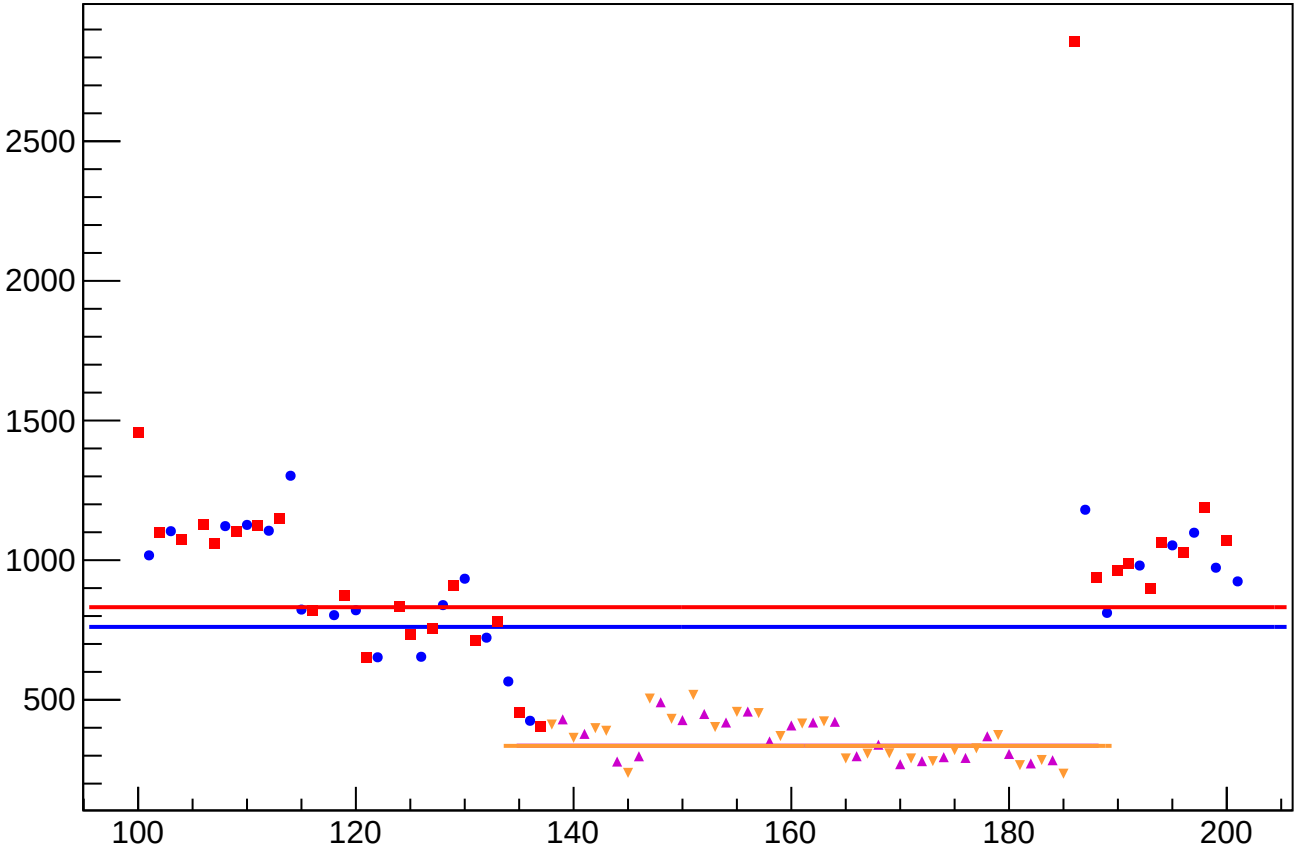
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -147.463+/-73.972 χ^2/NDF: 58.9/47

All: -79.945+/-52.996 χ^2/NDF: 118.9/98

- sign -8.744+/-75.963 χ^2/NDF: 58.2/50

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

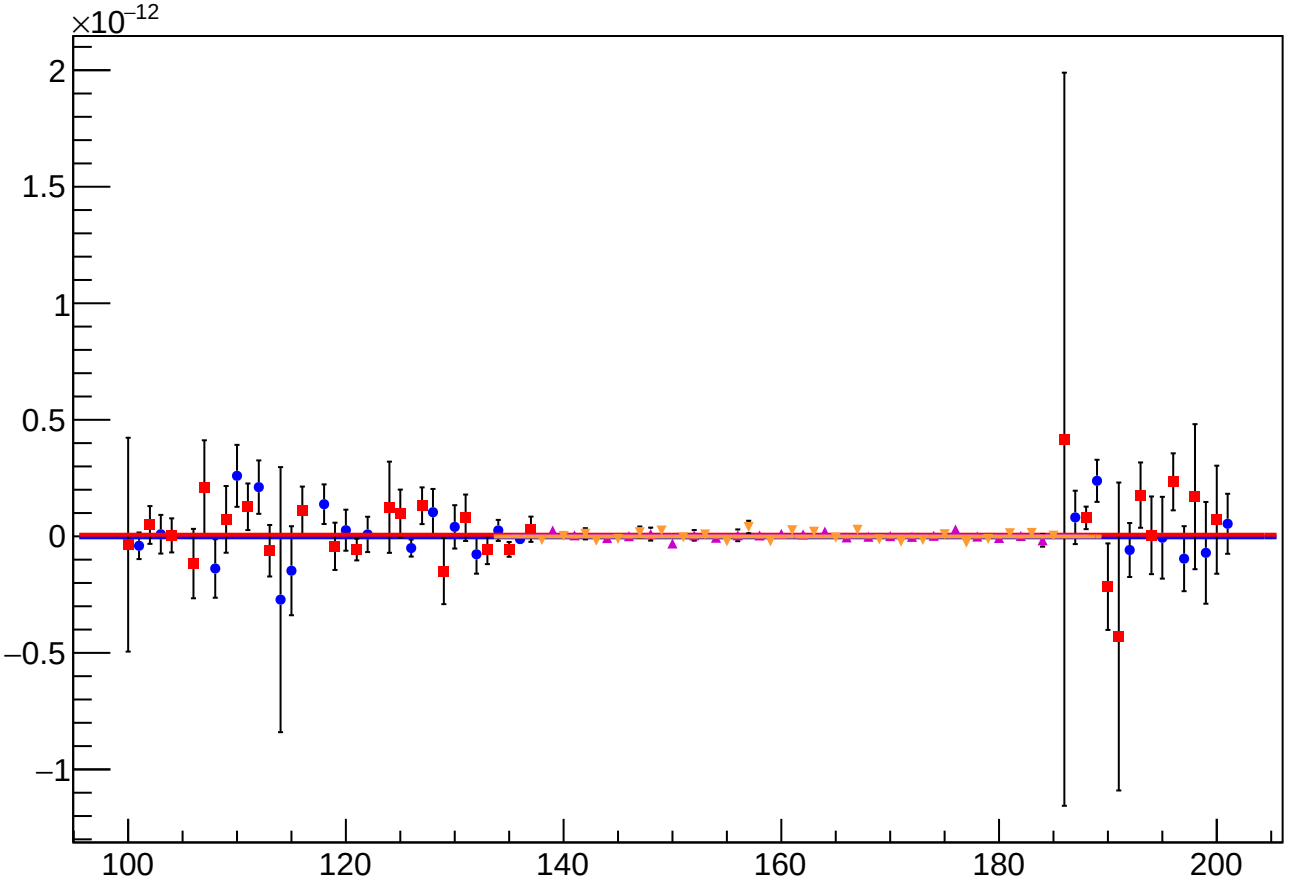
Right Out: 831.708+/-0.167 χ^2/NDF: 2548629.7/27

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 379.809+/-0.052 χ^2/NDF: 10289412.9/47

All: 383.255+/-0.037 χ^2/NDF: 22016905.9/98

- sign 386.889+/-0.054 χ^2/NDF: 11718576.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/22

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

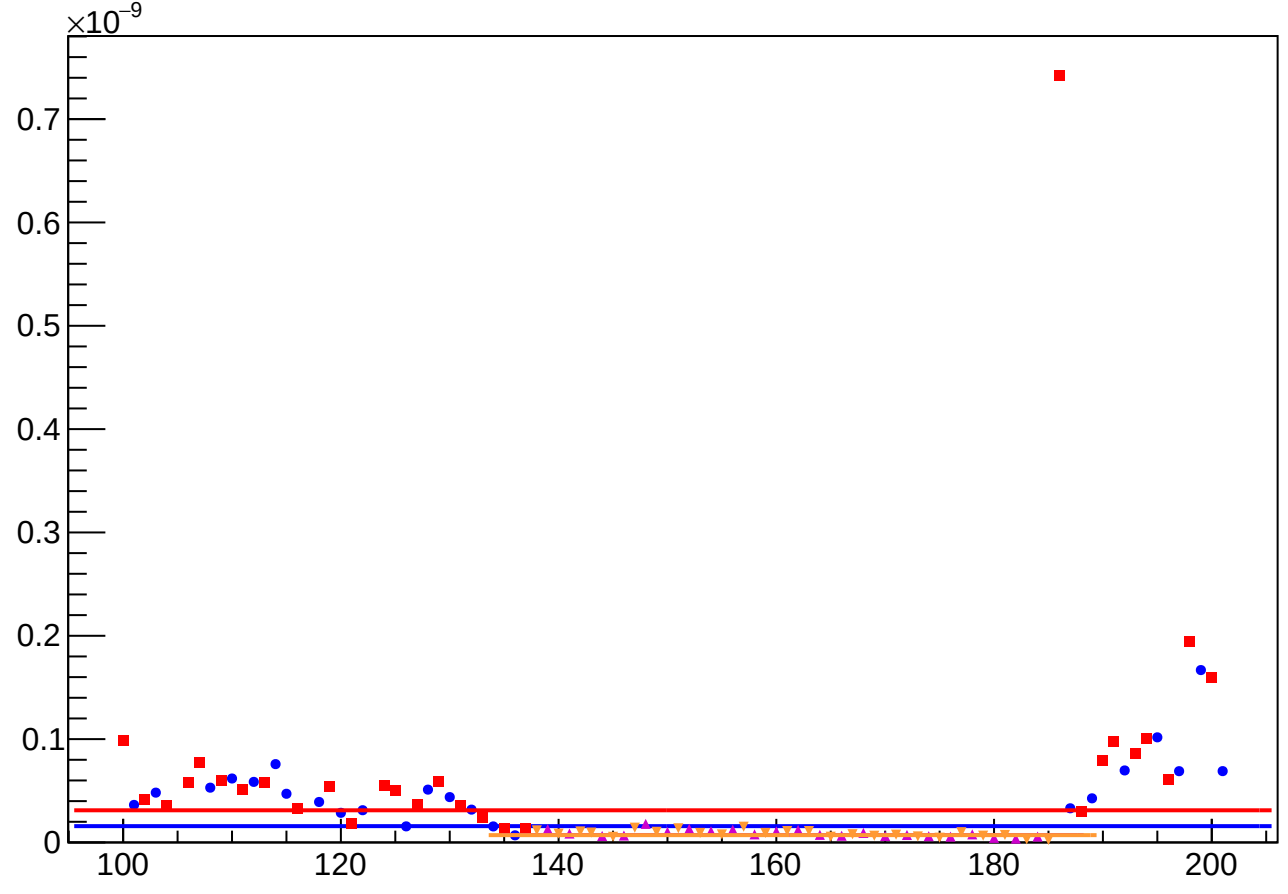
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/27

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: 102.0/98

- sign 0.000+/-0.000 χ^2/NDF: 42.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 5863830.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

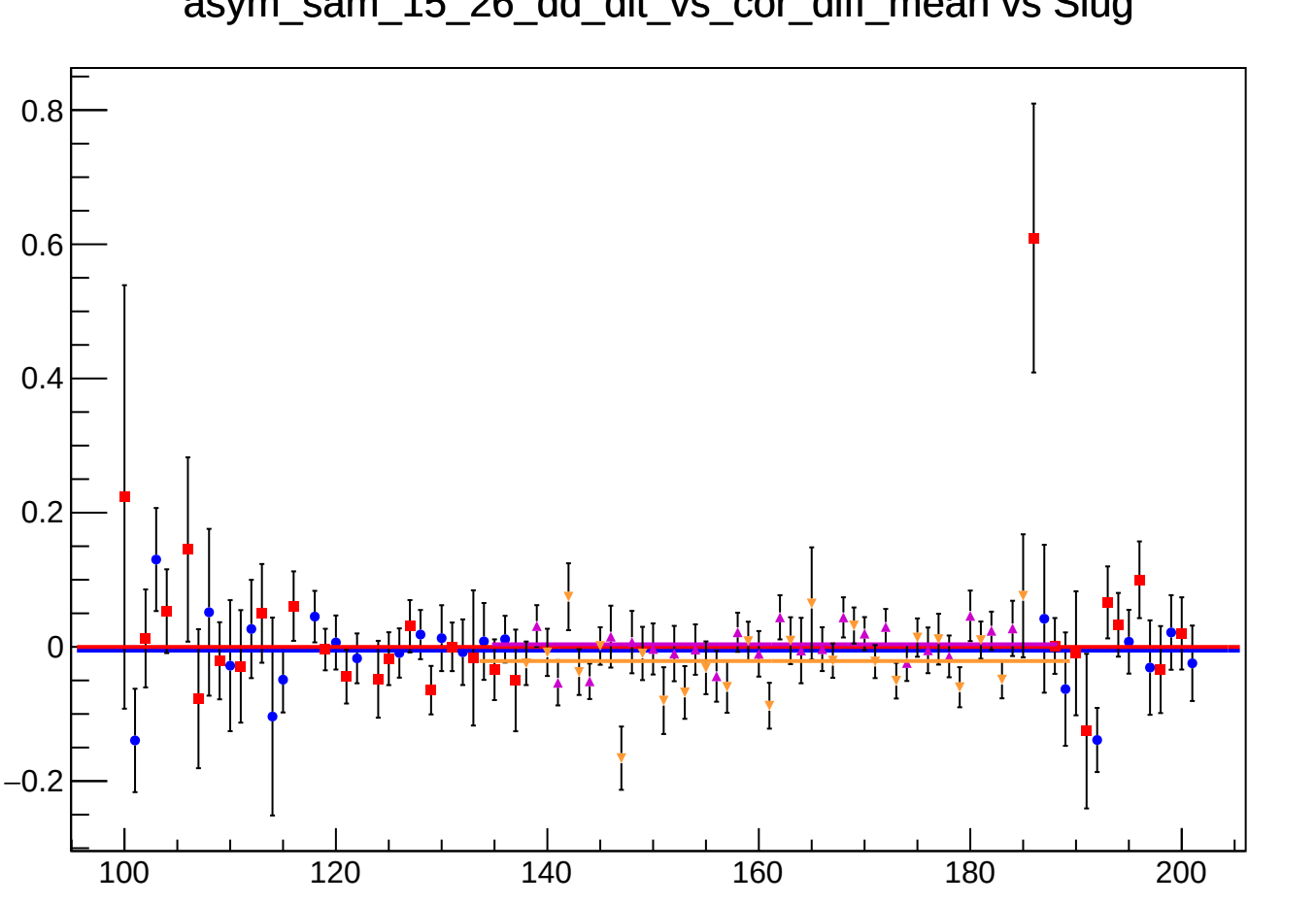
Right Out: 0.000+/-0.000 χ^2/NDF: 4335905.8/27

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: 19557134.7/98

- sign 0.000+/-0.000 χ^2/NDF: 10331822.7/50



Right In: -0.006+/-0.011 χ^2/NDF: 19.6/22

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

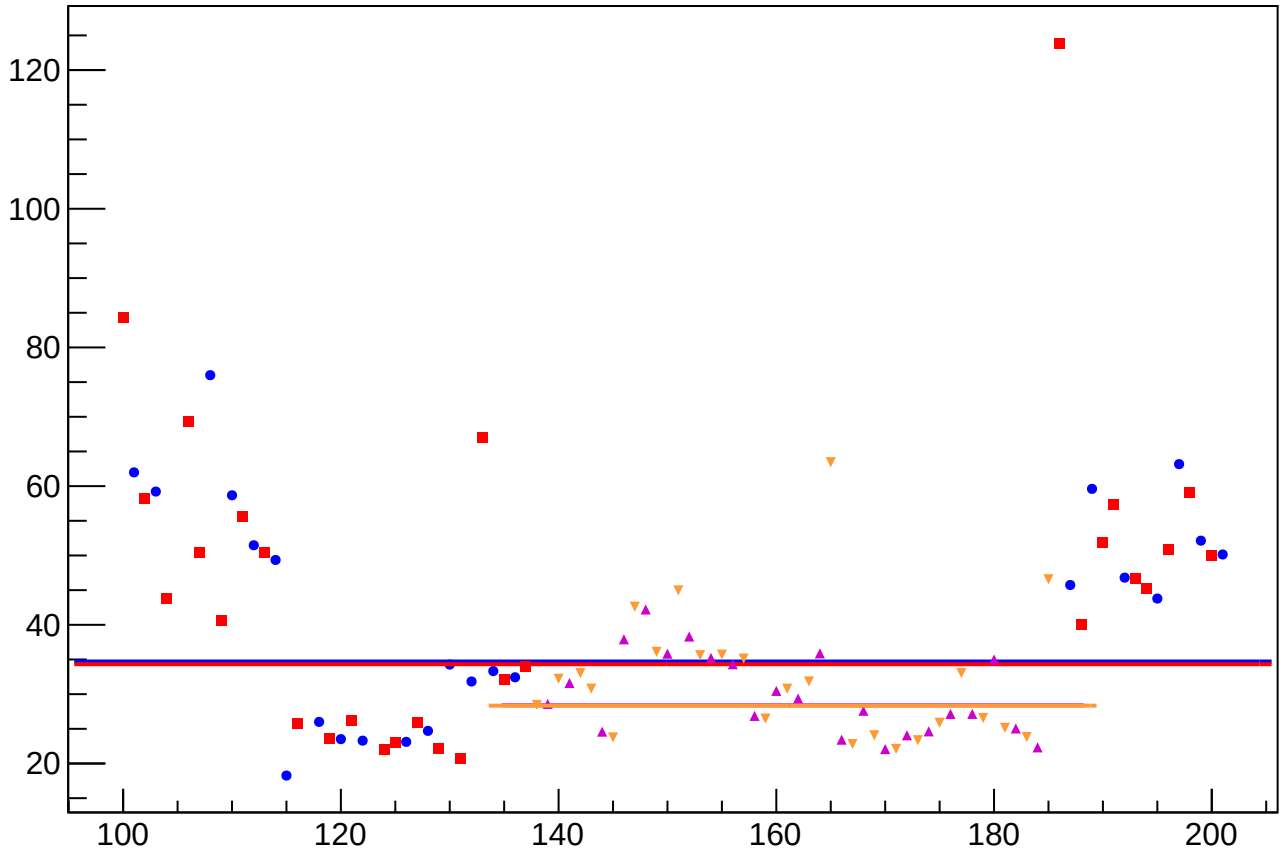
Right Out: -0.000+/-0.010 χ^2/NDF: 27.9/27

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: 110.8/98

- sign 0.003+/-0.006 χ^2/NDF: 46.7/50



Right In: 34.709+/-0.008 χ^2/NDF: 3027584.6/22

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

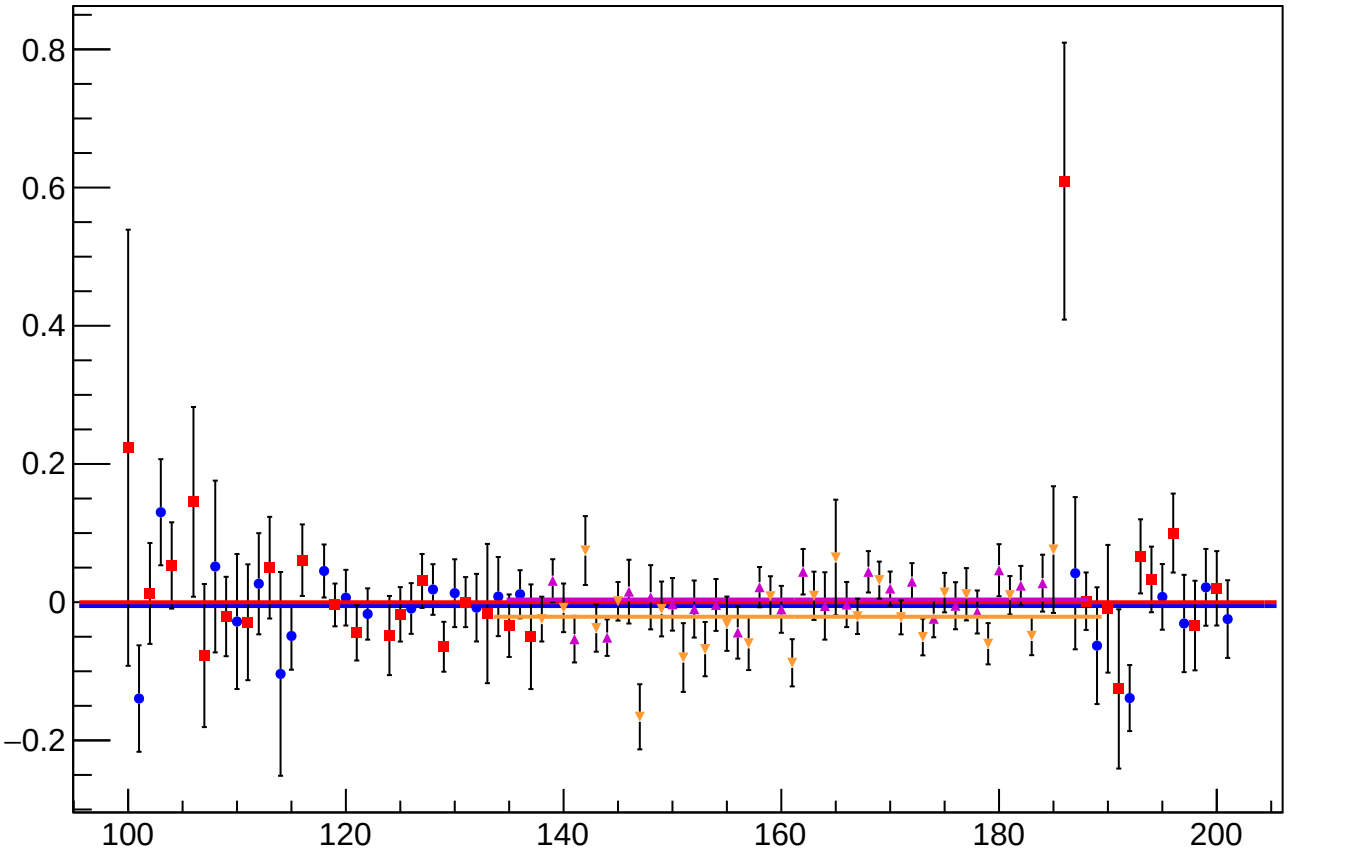
Right Out: 34.317+/-0.007 χ^2/NDF: 3618829.9/27

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.100+/-0.004 χ^2/NDF: 5264397.3/47

All: 30.169+/-0.003 χ^2/NDF: 10448627.7/98

- sign 30.239+/-0.004 χ^2/NDF: 5183631.1/50



Right In: -0.006+/-0.011 χ^2/NDF: 19.6/22

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

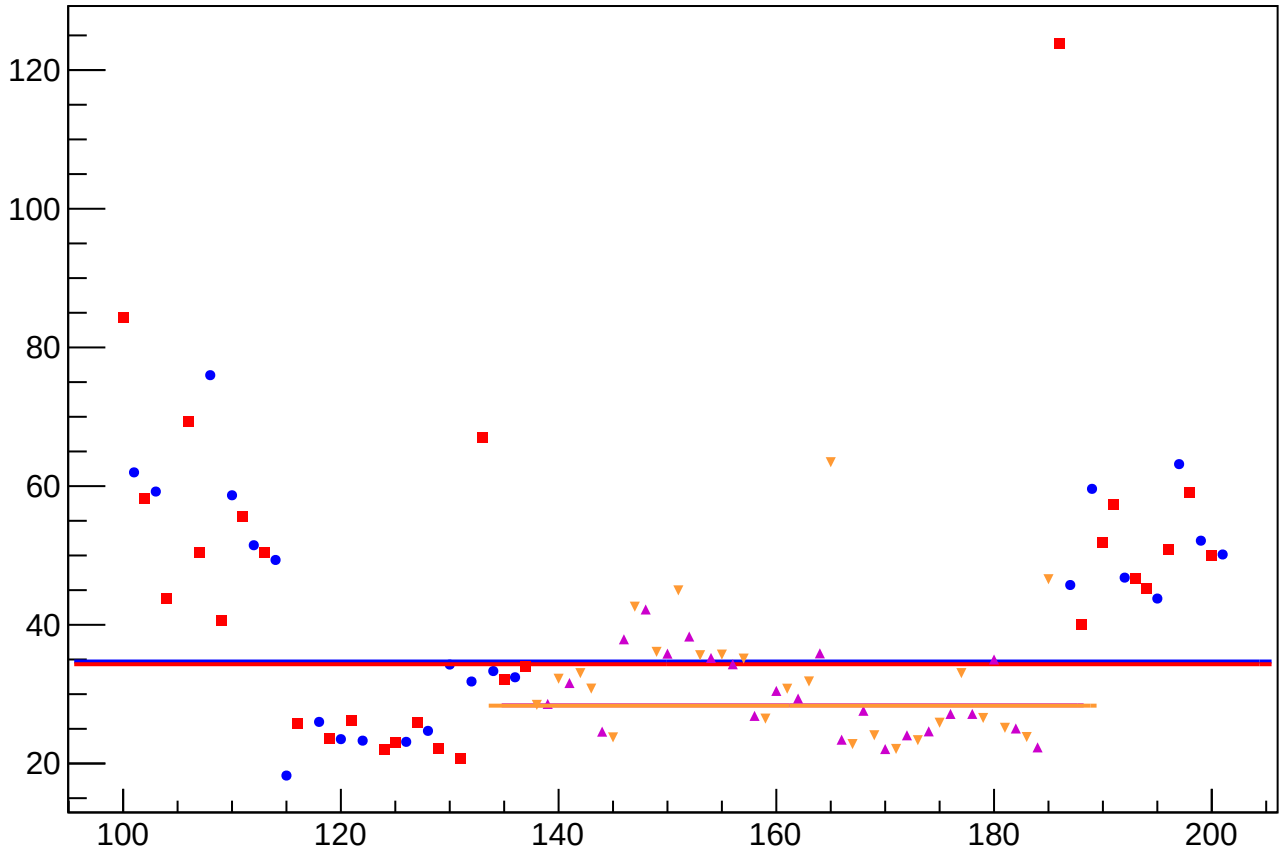
Right Out: -0.000+/-0.010 χ^2/NDF: 27.9/27

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: 110.8/98

- sign 0.003+/-0.006 χ^2/NDF: 46.7/50



Right In: 34.709+/-0.008 χ^2/NDF: 3027584.6/22

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

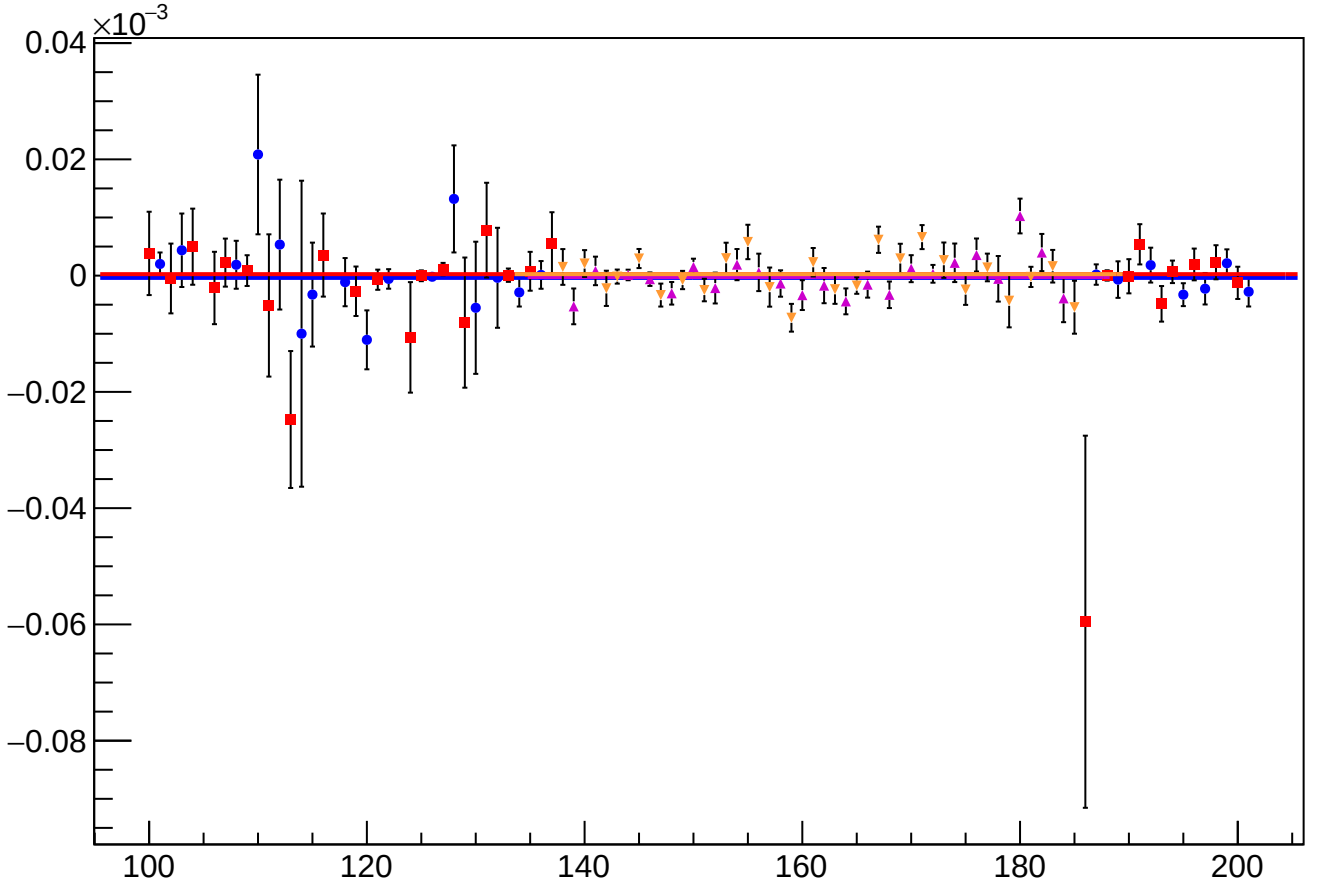
Right Out: 34.317+/-0.007 χ^2/NDF: 3618829.9/27

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.100+/-0.004 χ^2/NDF: 5264397.3/47

All: 30.169+/-0.003 χ^2/NDF: 10448627.7/98

- sign 30.239+/-0.004 χ^2/NDF: 5183631.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

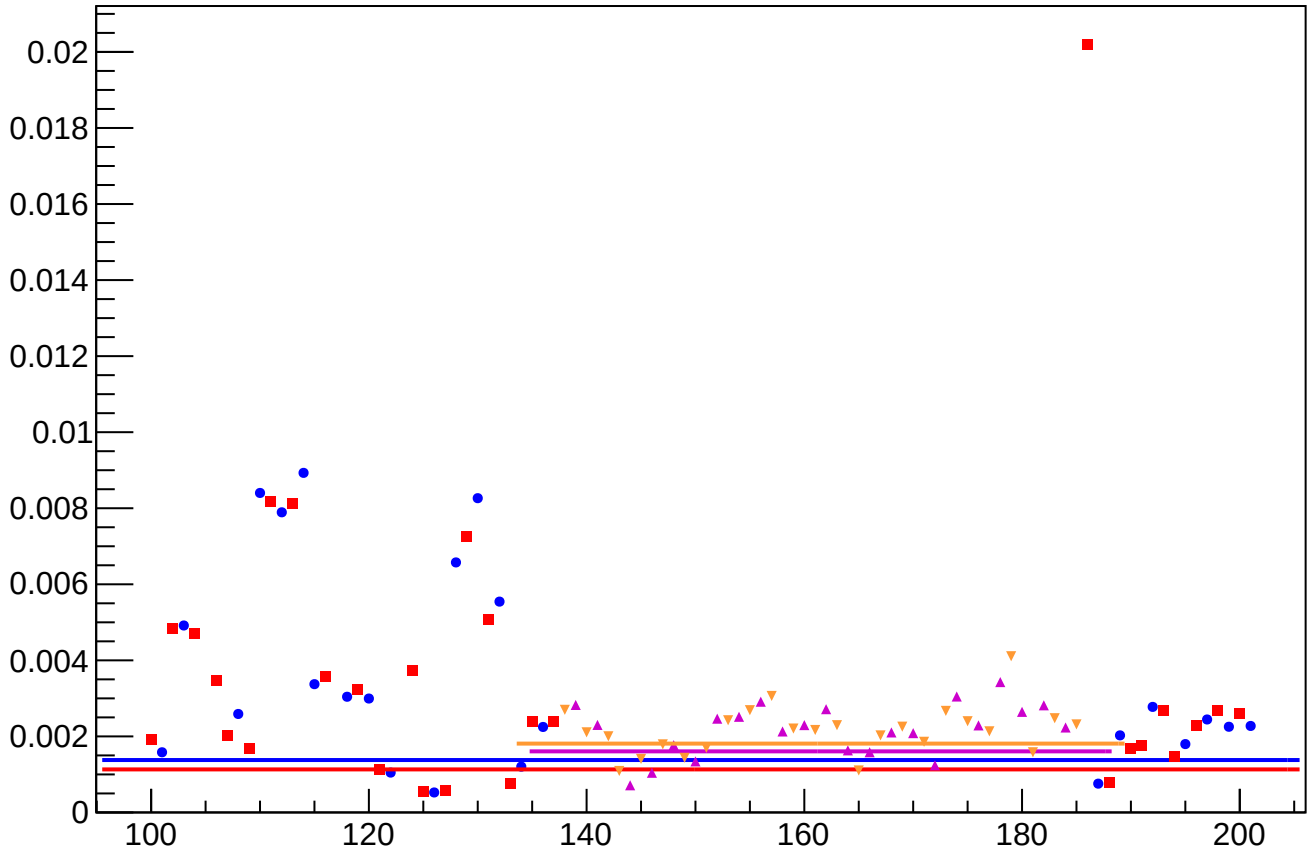
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/27

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: 125.3/98

- sign 0.000+/-0.000 χ^2/NDF: 55.1/50



Right In: 0.001+/-0.000 χ^2/NDF: 8810398.4/22

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

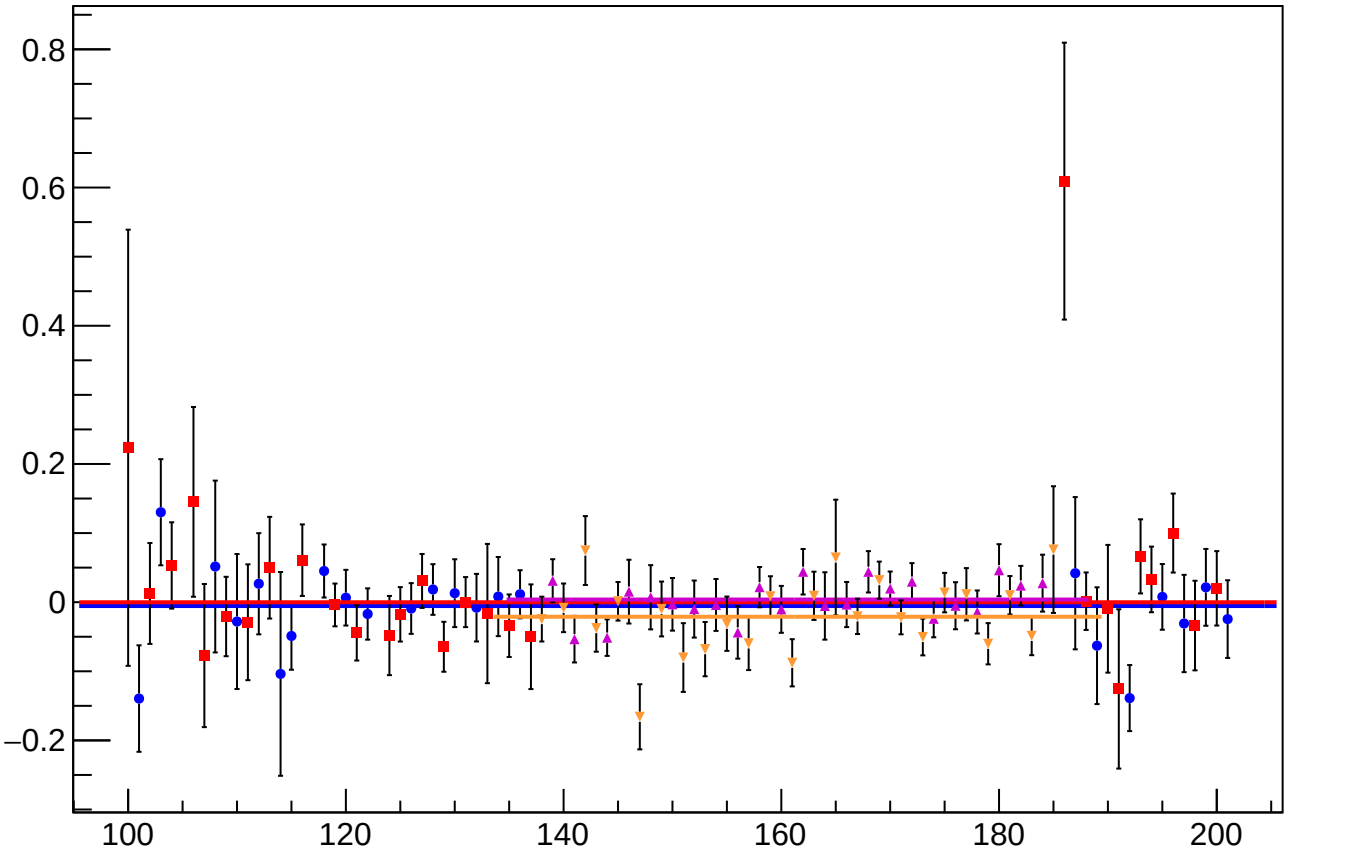
Right Out: 0.001+/-0.000 χ^2/NDF: 10248687.3/27

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 13083442.1/47

All: 0.001+/-0.000 χ^2/NDF: 31367582.0/98

- sign 0.001+/-0.000 χ^2/NDF: 17571914.5/50



Right In: -0.006+/-0.011 χ^2/NDF: 19.6/22

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

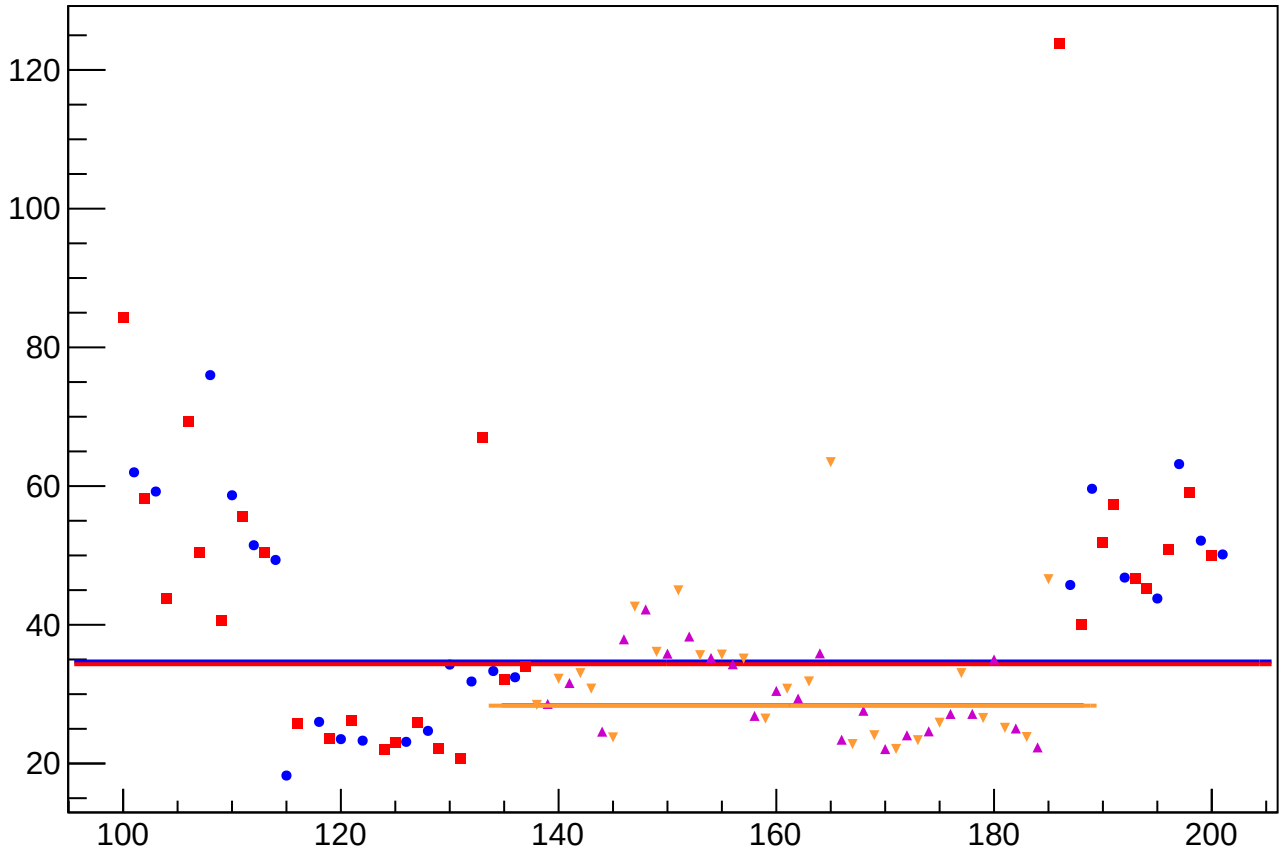
Right Out: -0.000+/-0.010 χ^2/NDF: 27.9/27

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: 110.8/98

- sign 0.003+/-0.006 χ^2/NDF: 46.7/50



Right In: 34.709+/-0.008 χ^2/NDF: 3027455.7/22

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

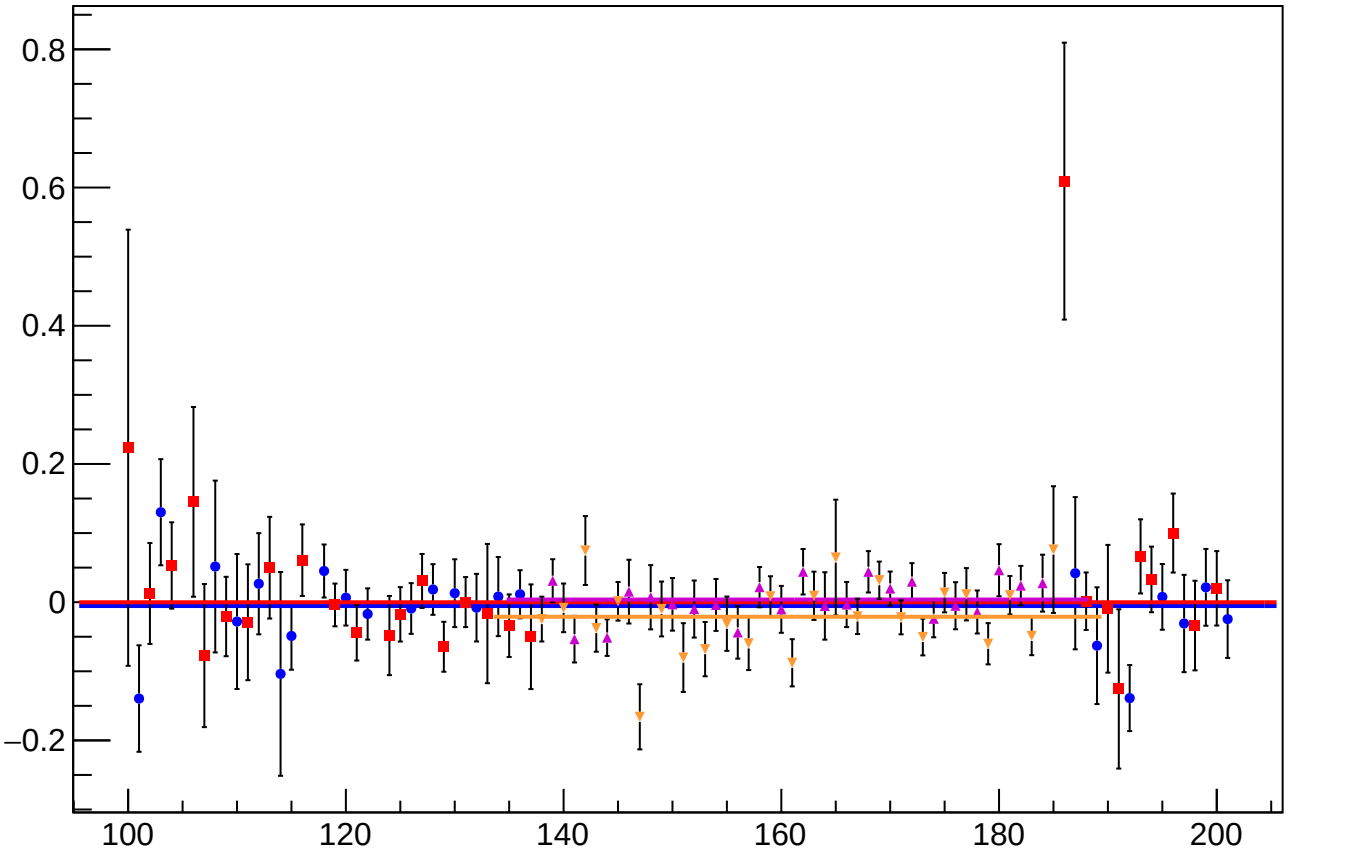
Right Out: 34.316+/-0.007 χ^2/NDF: 3618895.6/27

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 30.100+/-0.004 χ^2/NDF: 5264257.4/47

All: 30.169+/-0.003 χ^2/NDF: 10448441.6/98

\- sign 30.239+/-0.004 χ^2/NDF: 5183585.0/50



Right In: -0.006+/-0.011 χ^2/NDF: 19.6/22

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

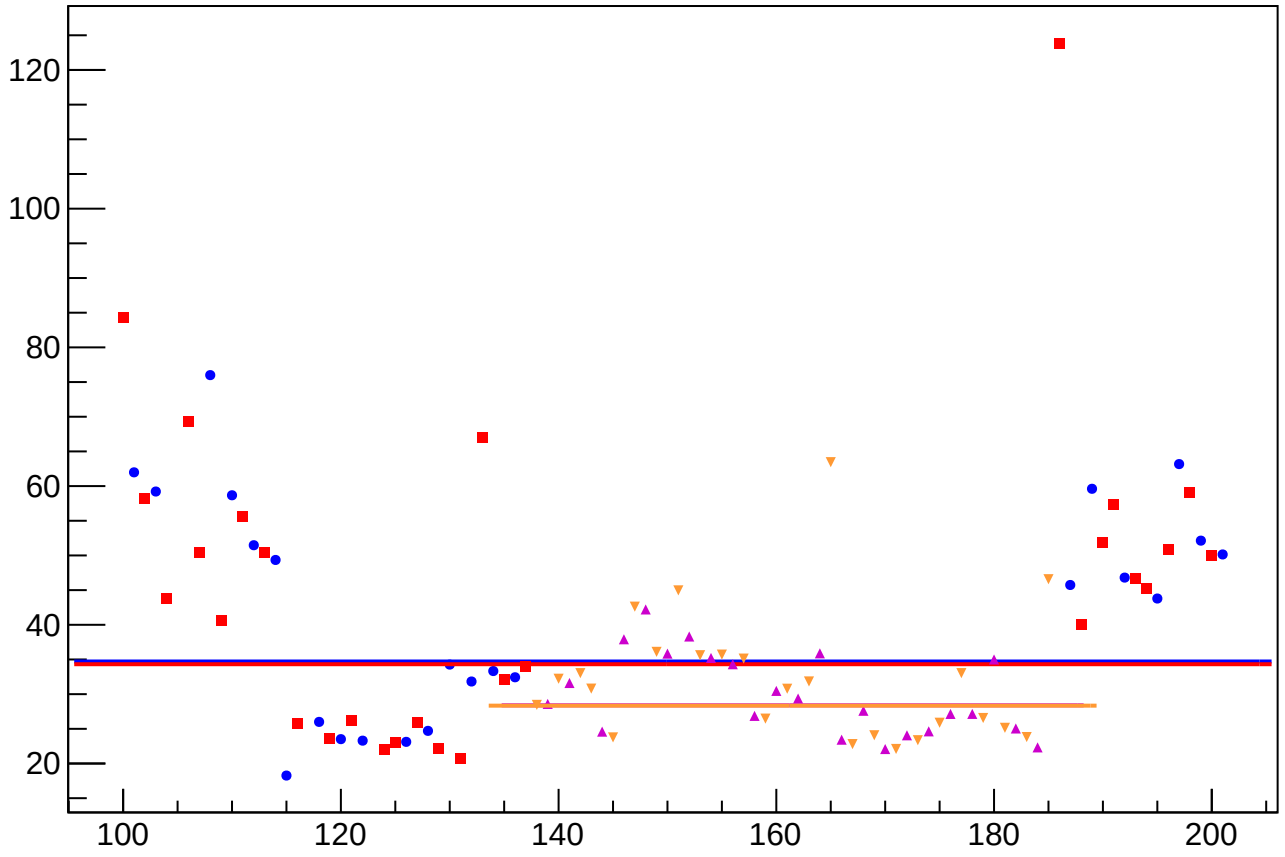
Right Out: -0.000+/-0.010 χ^2/NDF: 27.9/27

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: 110.8/98

- sign 0.003+/-0.006 χ^2/NDF: 46.7/50



Right In: 34.709+/-0.008 χ^2/NDF: 3027455.7/22

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

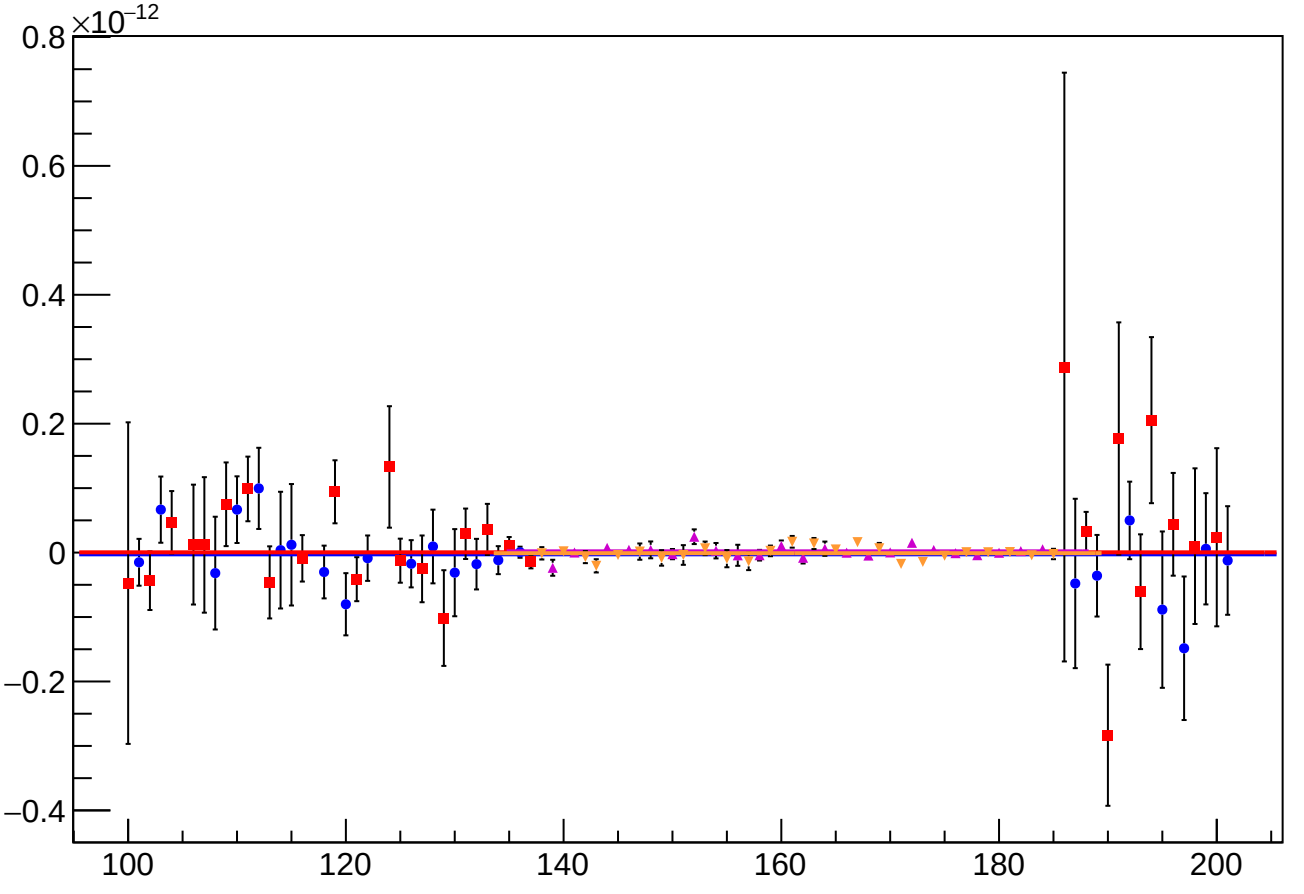
Right Out: 34.316+/-0.007 χ^2/NDF: 3618895.6/27

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.100+/-0.004 χ^2/NDF: 5264257.4/47

All: 30.169+/-0.003 χ^2/NDF: 10448441.6/98

- sign 30.239+/-0.004 χ^2/NDF: 5183585.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/22

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

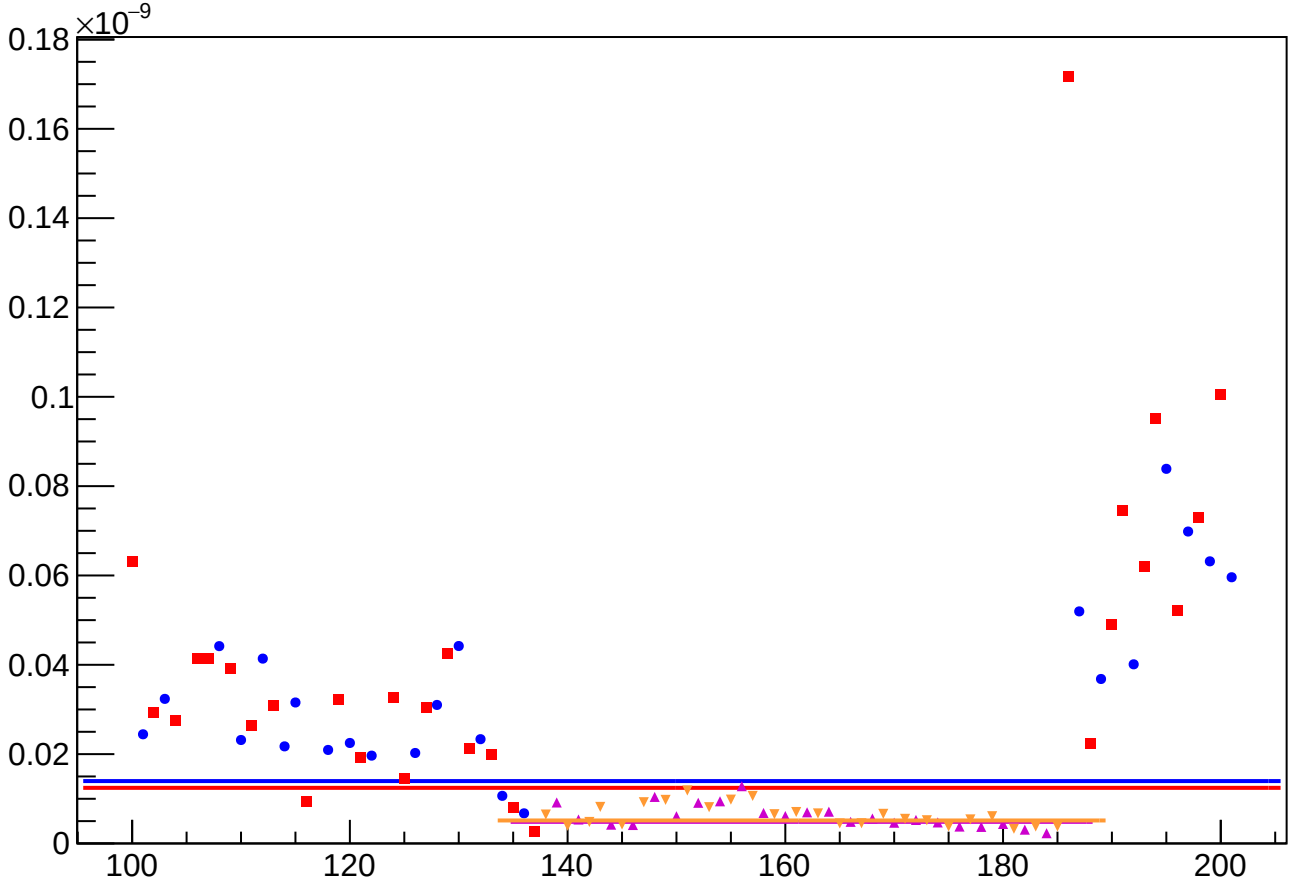
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/27

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: 103.5/98

- sign 0.000+/-0.000 χ^2/NDF: 53.5/50



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: 9100598.4/27

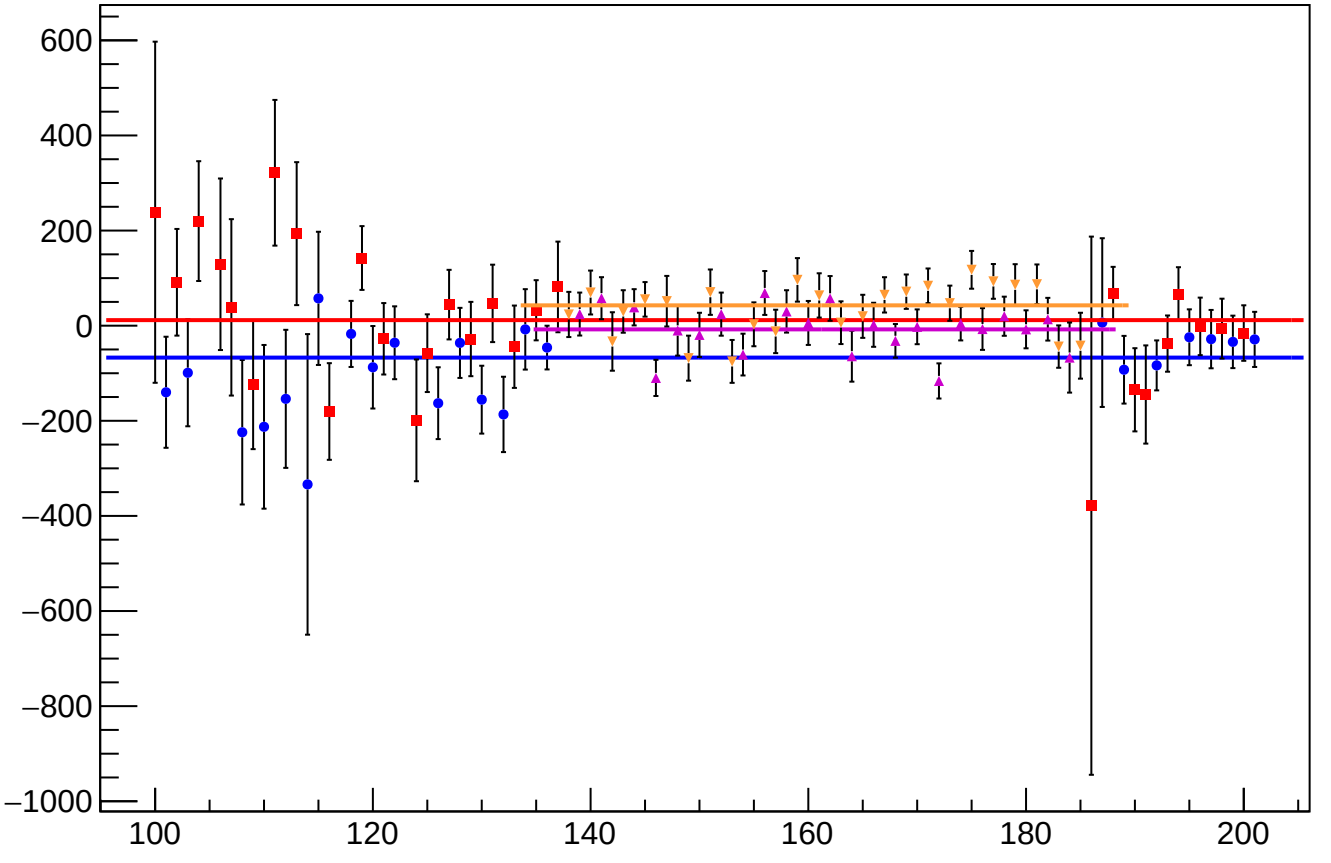
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 13153728.1/47

All: 0.000+/-0.000 χ^2/NDF: 28021953.4/98

- sign 0.000+/-0.000 χ^2/NDF: 14807476.6/50

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: 11.682+/-15.769 χ^2/NDF: 32.0/27

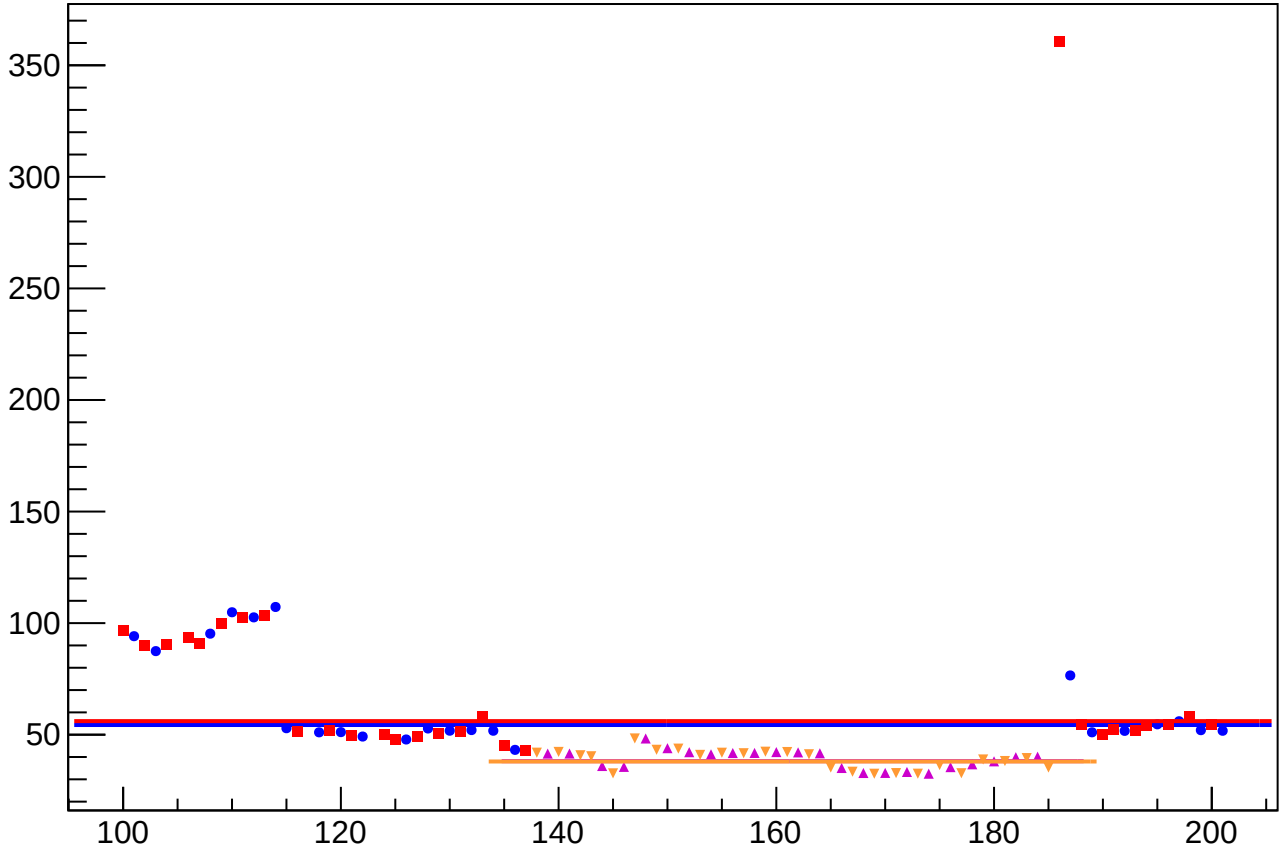
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 17.483+/-7.632 χ^2/NDF: 84.7/47

All: 7.453+/-5.455 χ^2/NDF: 152.0/98

- sign -3.021+/-7.800 χ^2/NDF: 63.7/50

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: 56.086+/-0.011 χ^2/NDF: 1901291.4/27

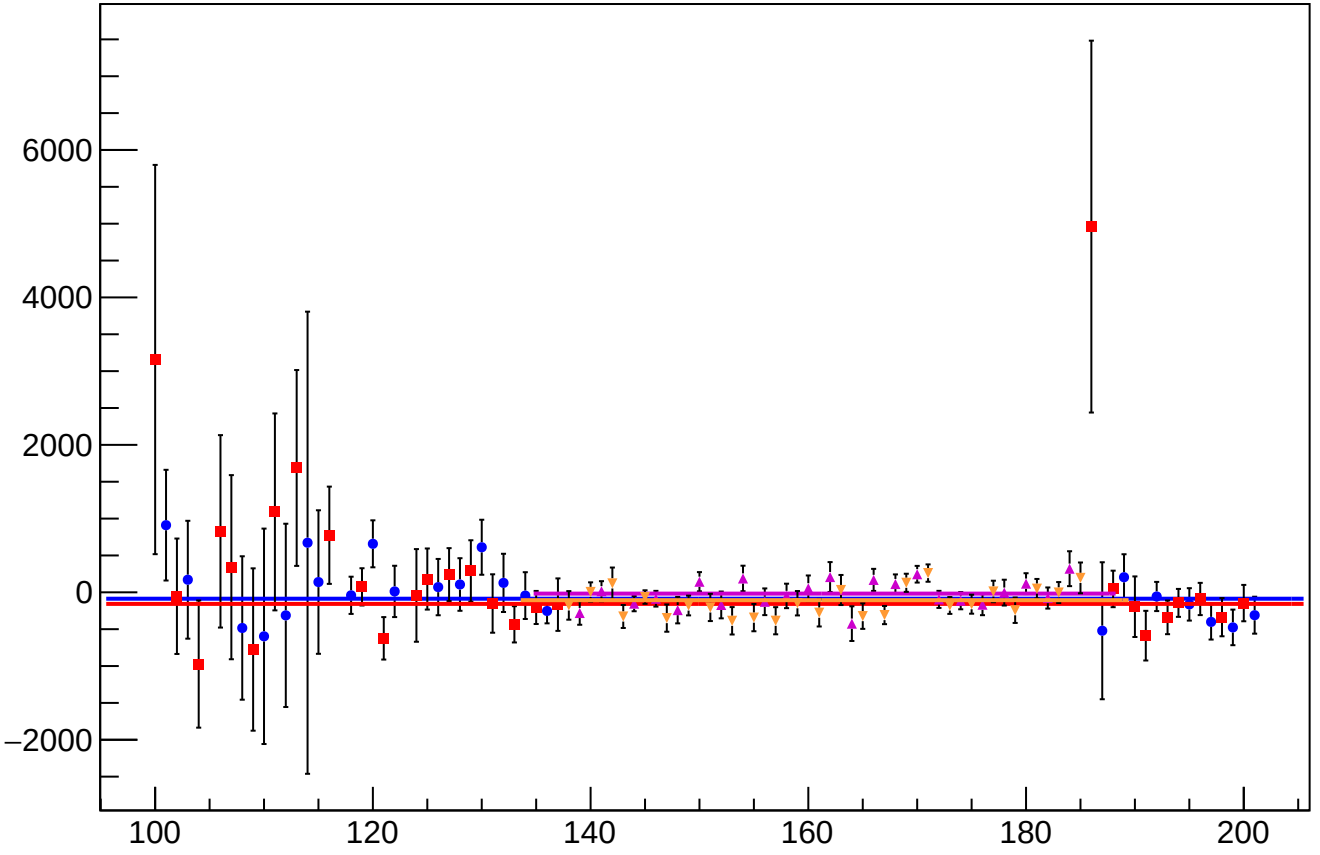
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.751+/-0.005 χ^2/NDF: 3344460.0/47

All: 42.130+/-0.004 χ^2/NDF: 7642352.6/98

- sign 42.525+/-0.006 χ^2/NDF: 4287836.4/50

asym_sam_37_26_dd_reg_correction_mean vs Slug



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: -157.075+/-64.638 χ^2/NDF: 23.8/27

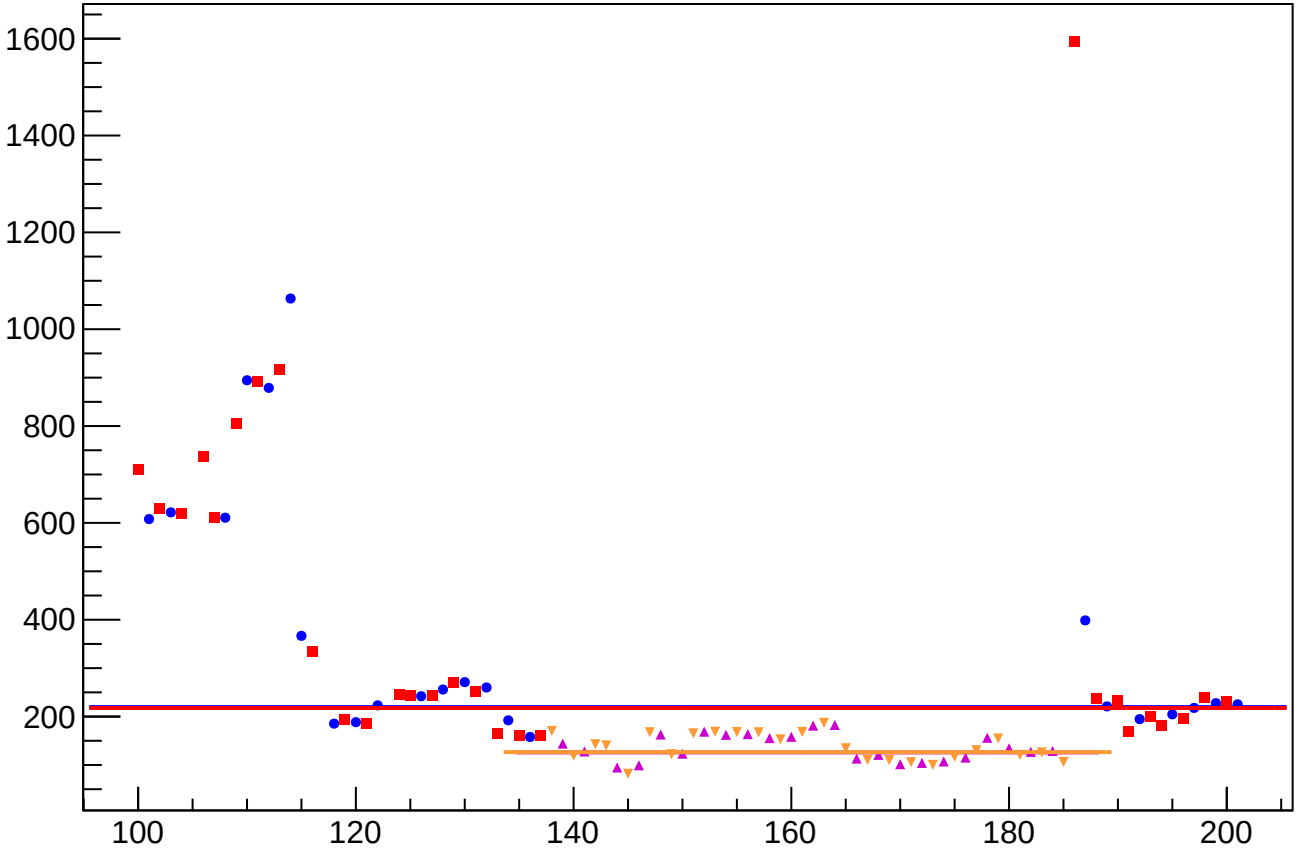
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -103.295+/-27.050 χ^2/NDF: 57.2/47

All: -73.234+/-19.233 χ^2/NDF: 115.6/98

- sign -42.503+/-27.350 χ^2/NDF: 55.9/50

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: 217.805+/-0.046 χ^2/NDF: 4433444.4/27

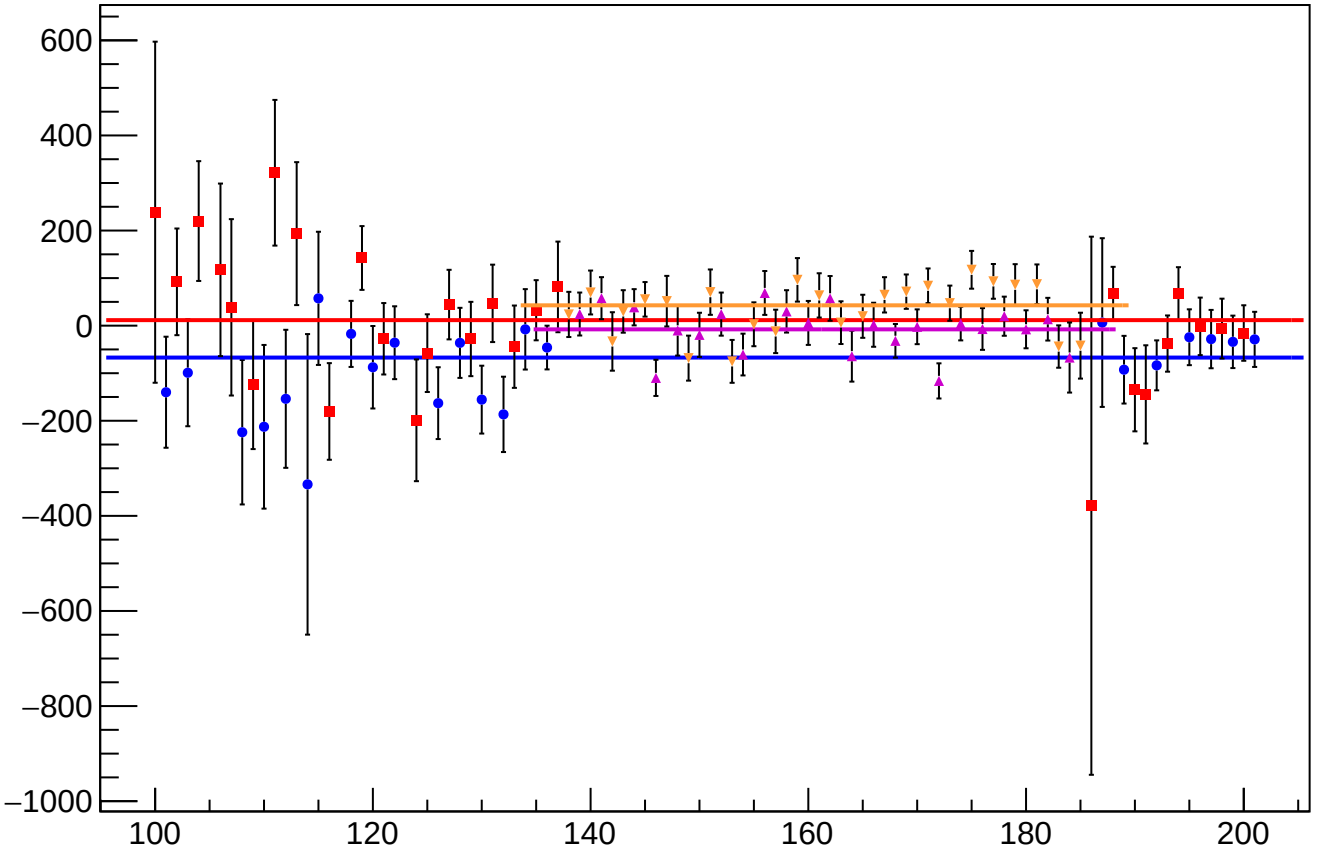
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 141.695+/-0.019 χ^2/NDF: 8069059.9/47

All: 142.067+/-0.014 χ^2/NDF: 17225131.0/98

- sign 142.447+/-0.019 χ^2/NDF: 9155306.4/50

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: 11.602+/-15.770 χ^2/NDF: 31.9/27

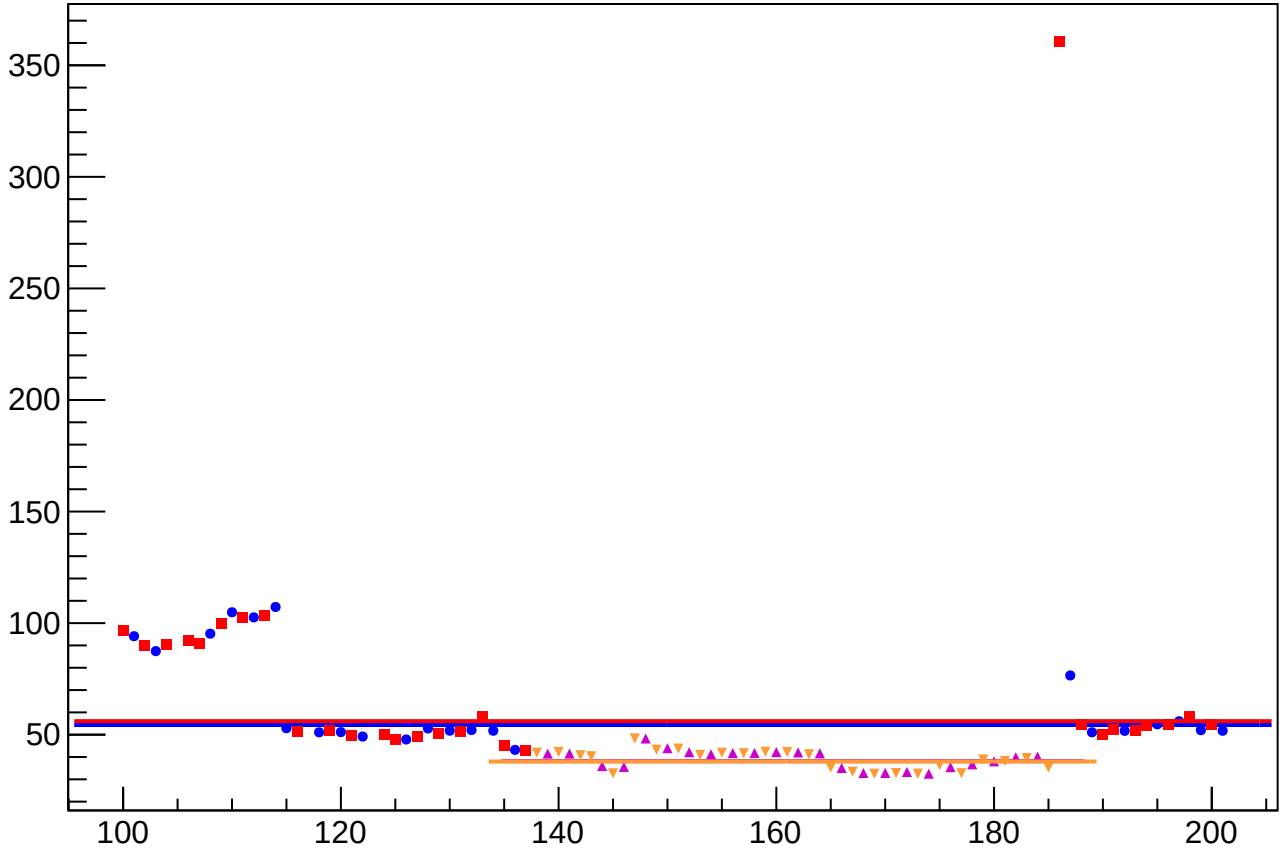
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 17.485+/-7.632 χ^2/NDF: 84.7/47

All: 7.444+/-5.455 χ^2/NDF: 151.9/98

- sign -3.042+/-7.800 χ^2/NDF: 63.6/50

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

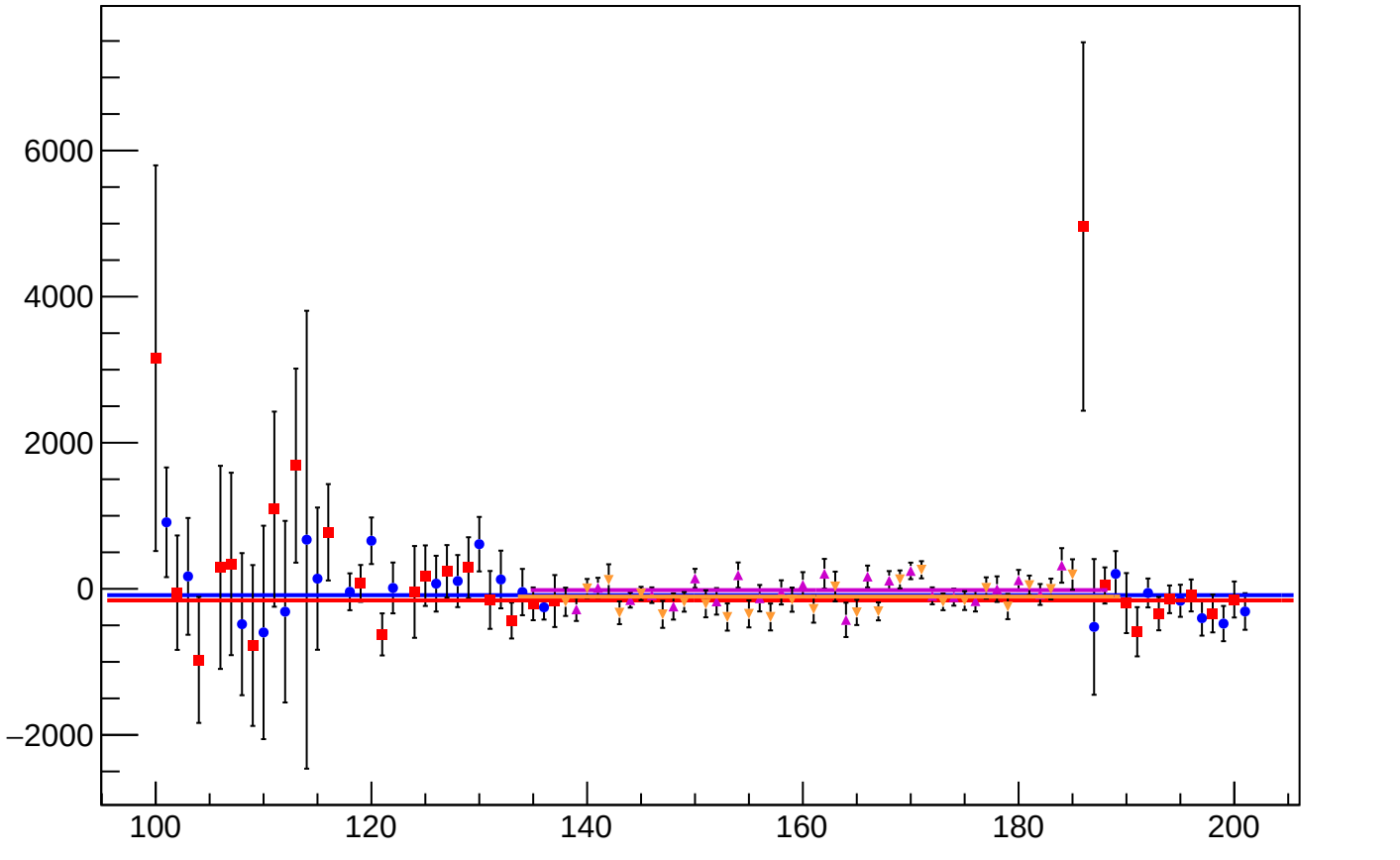
Right Out: 56.071+/-0.011 χ^2/NDF: 1893545.9/27

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.751+/-0.005 χ^2/NDF: 3344460.2/47

All: 42.128+/-0.004 χ^2/NDF: 7631114.0/98

- sign 42.521+/-0.006 χ^2/NDF: 4276700.5/50



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: -158.497+/-64.648 χ^2/NDF: 23.4/27

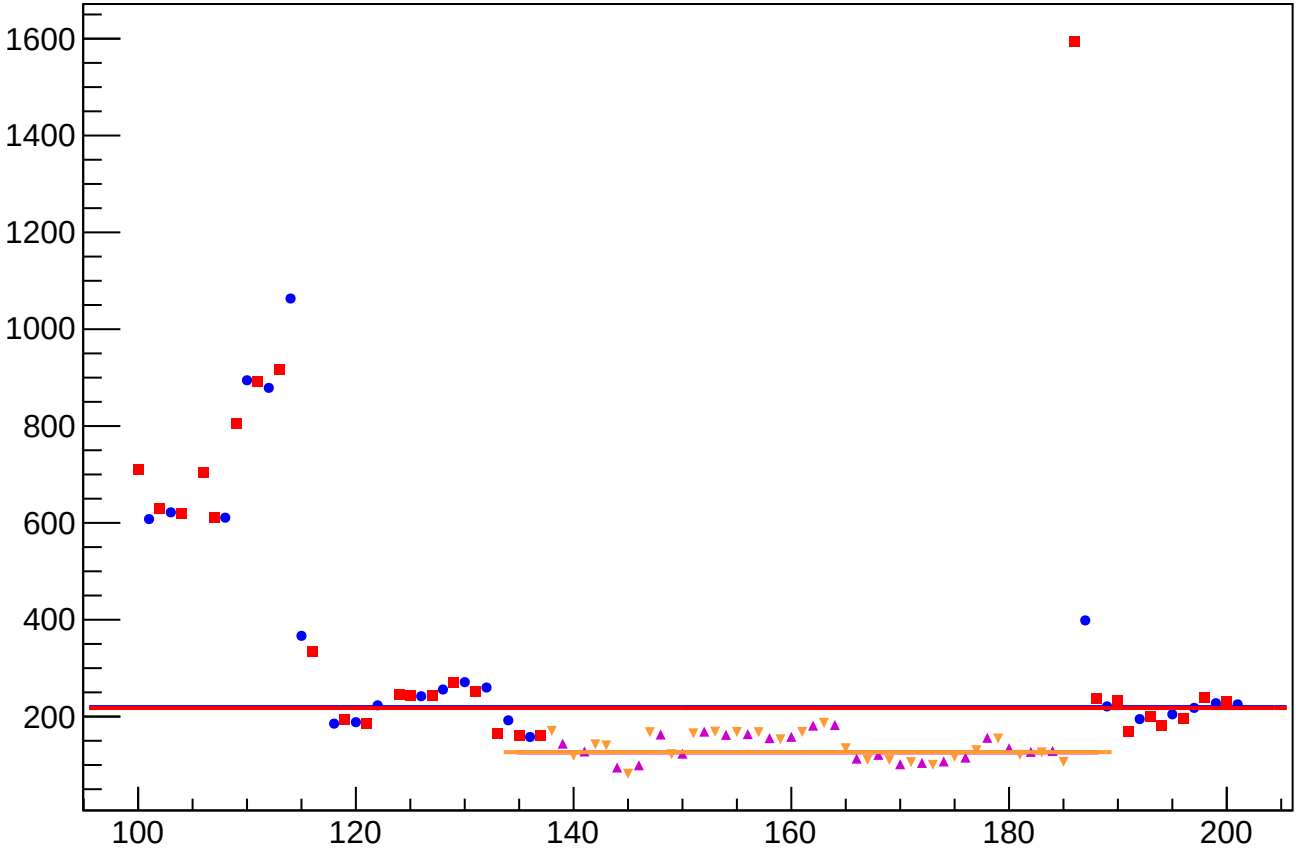
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -103.294+/-27.050 χ^2/NDF: 57.2/47

All: -73.357+/-19.233 χ^2/NDF: 115.2/98

- sign -42.751+/-27.351 χ^2/NDF: 55.5/50

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: 217.584+/-0.046 χ^2/NDF: 4362756.7/27

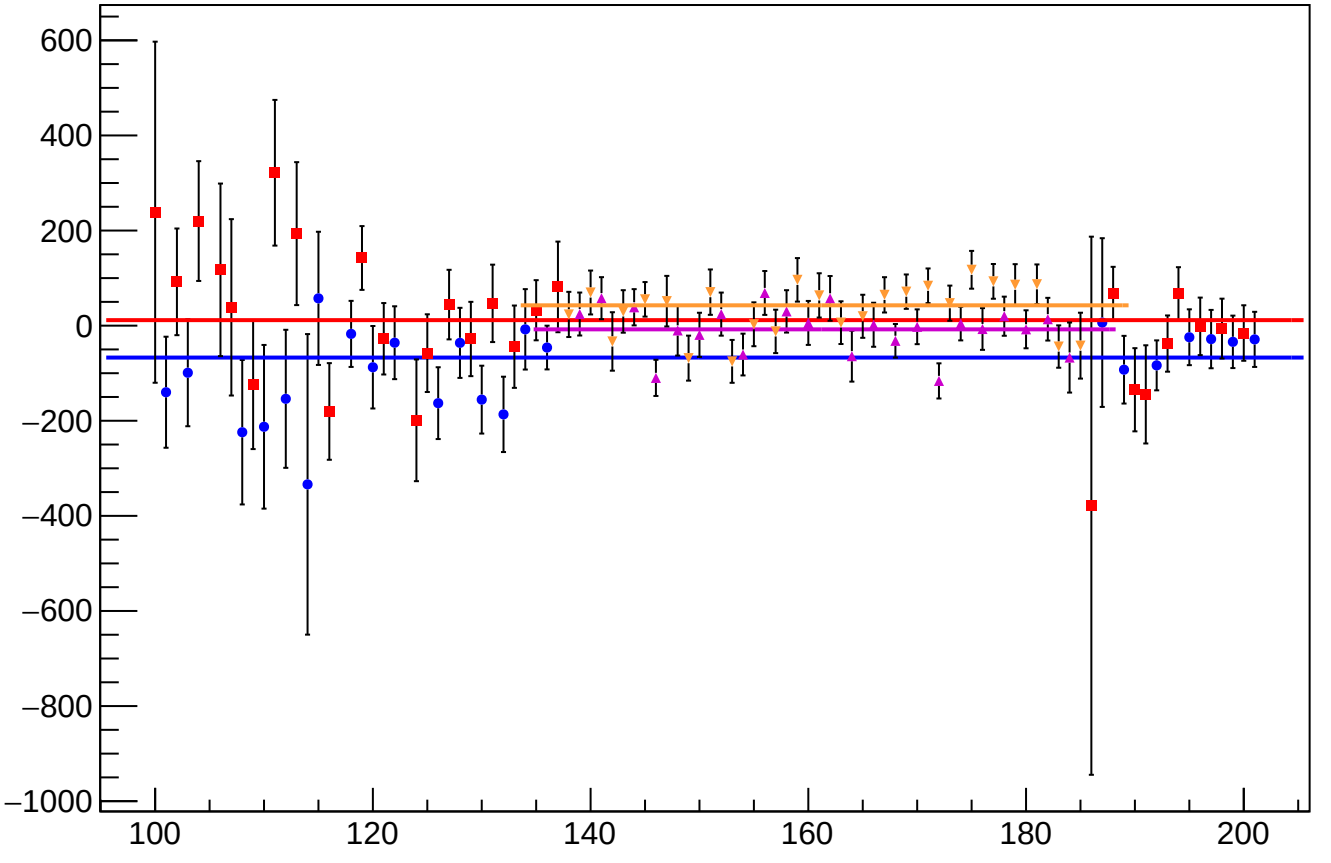
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 141.695+/-0.019 χ^2/NDF: 8069055.7/47

All: 142.046+/-0.014 χ^2/NDF: 17137629.2/98

- sign 142.404+/-0.019 χ^2/NDF: 9067895.2/50

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: 11.602+/-15.770 χ^2/NDF: 31.9/27

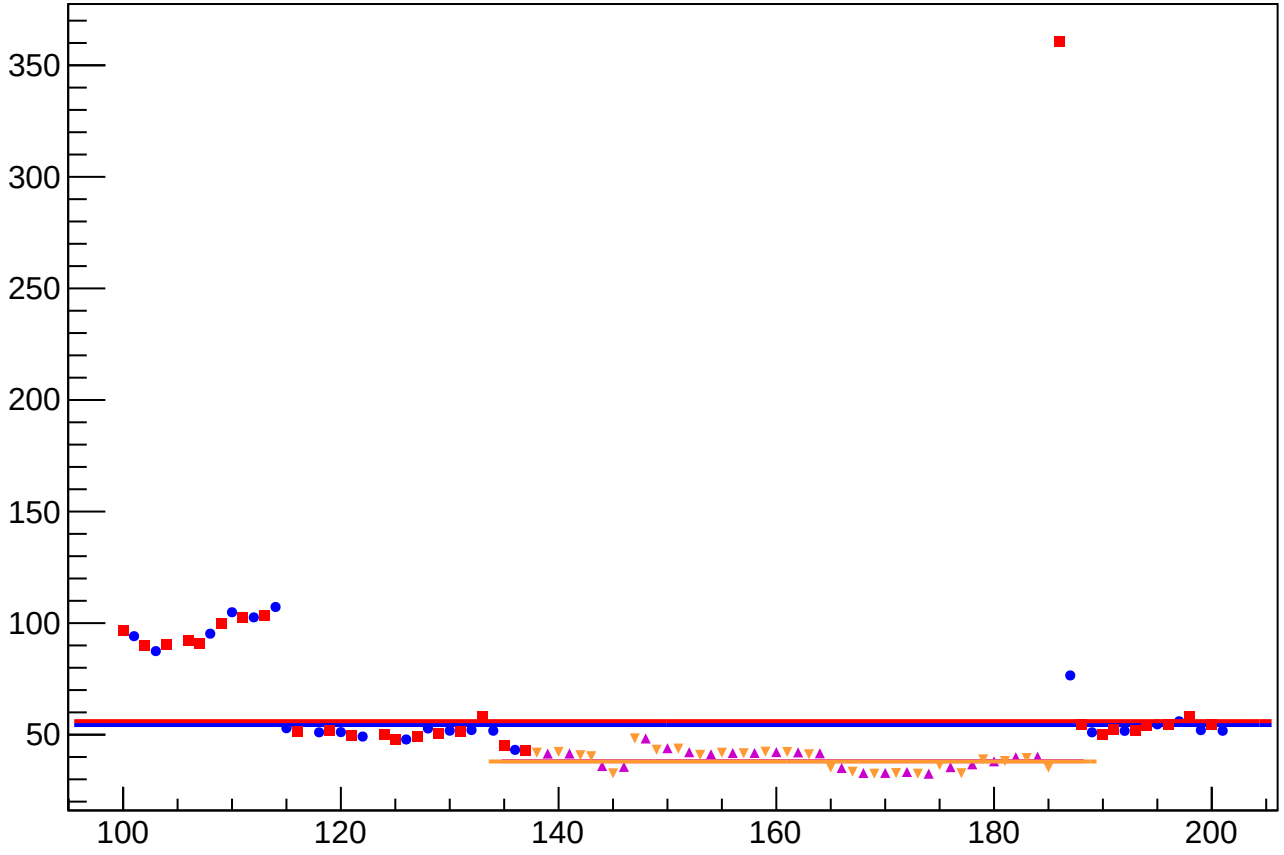
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 17.485+/-7.632 χ^2/NDF: 84.7/47

All: 7.444+/-5.455 χ^2/NDF: 151.9/98

- sign -3.042+/-7.800 χ^2/NDF: 63.6/50

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

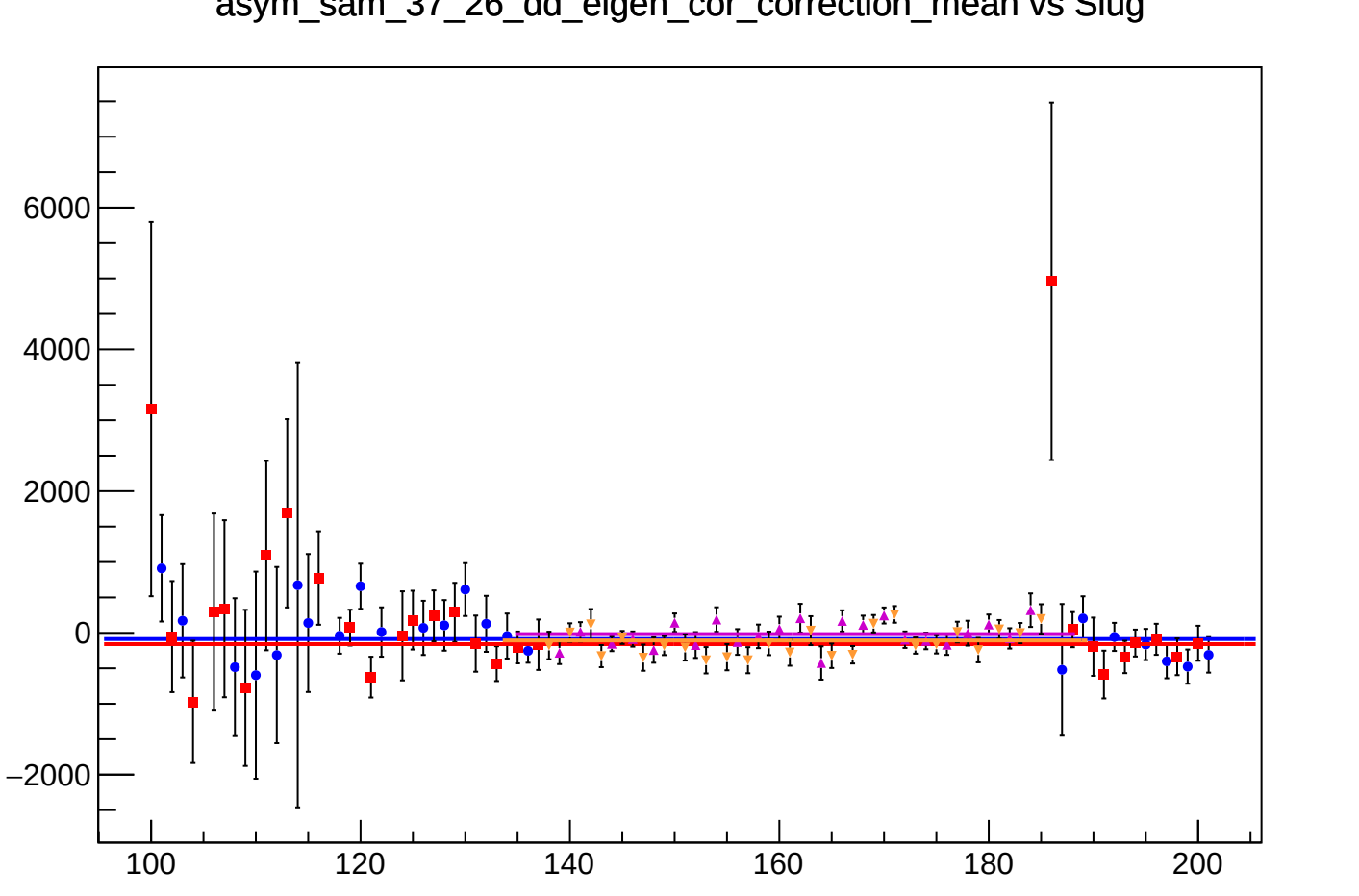
Right Out: 56.071+/-0.011 χ^2/NDF: 1893545.9/27

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.751+/-0.005 χ^2/NDF: 3344460.2/47

All: 42.128+/-0.004 χ^2/NDF: 7631114.0/98

- sign 42.521+/-0.006 χ^2/NDF: 4276700.5/50



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: -158.497+/-64.648 χ^2/NDF: 23.4/27

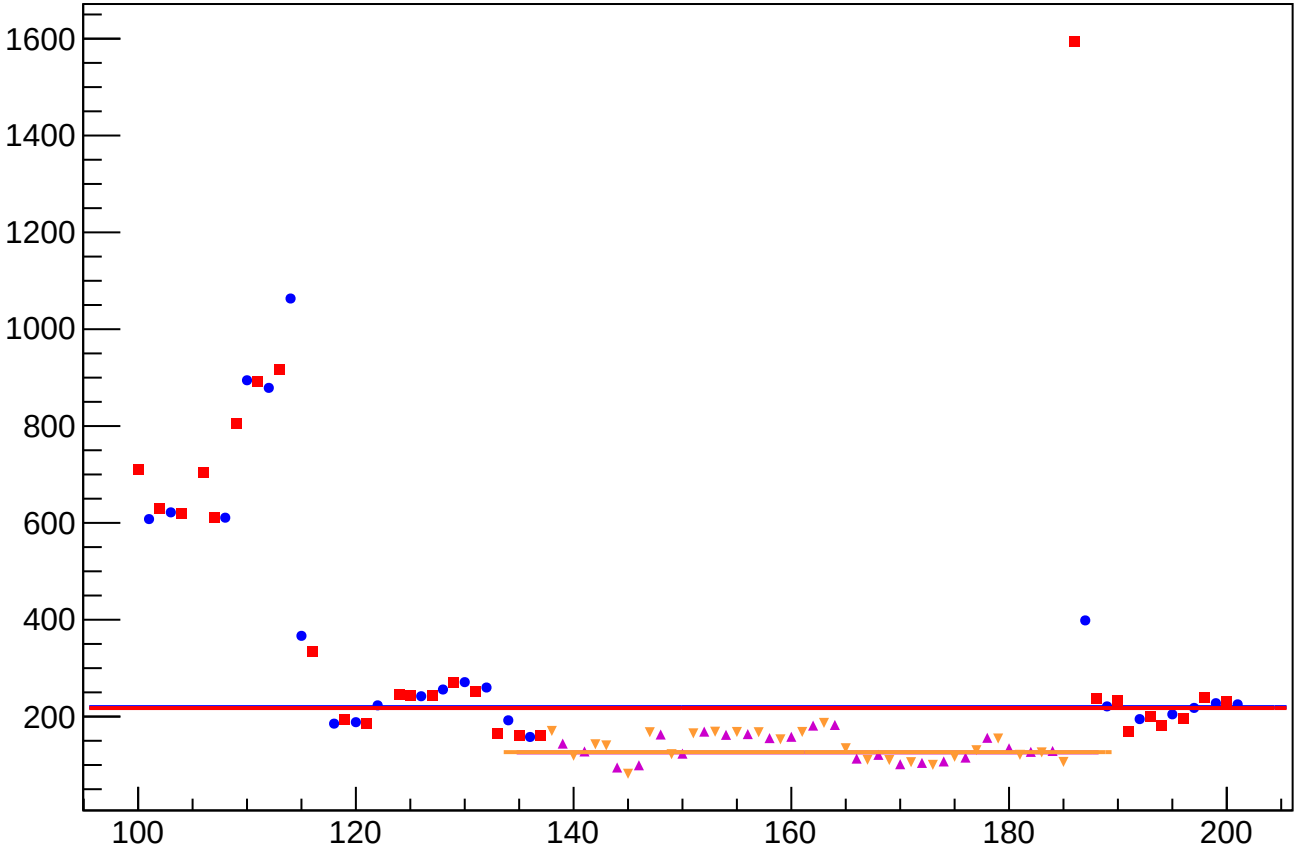
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -103.294+/-27.050 χ^2/NDF: 57.2/47

All: -73.357+/-19.233 χ^2/NDF: 115.2/98

\- sign -42.751+/-27.351 χ^2/NDF: 55.5/50

asym_sam_37_26_dd_eigen_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: 217.584+/-0.046 χ^2/NDF: 4362756.7/27

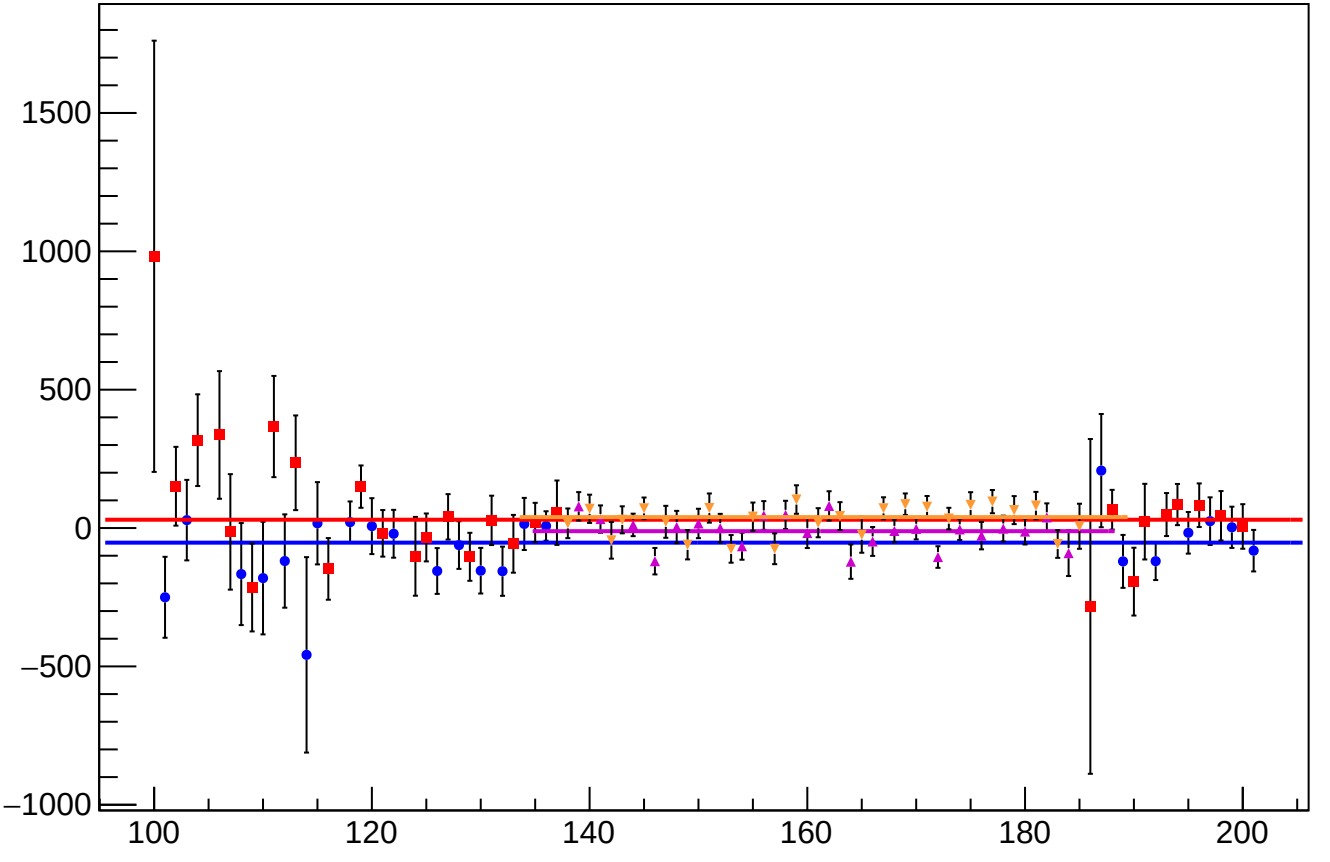
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 141.695+/-0.019 χ^2/NDF: 8069055.7/47

All: 142.046+/-0.014 χ^2/NDF: 17137629.2/98

- sign 142.404+/-0.019 χ^2/NDF: 9067895.2/50

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: 30.074+/-19.303 χ^2/NDF: 29.2/27

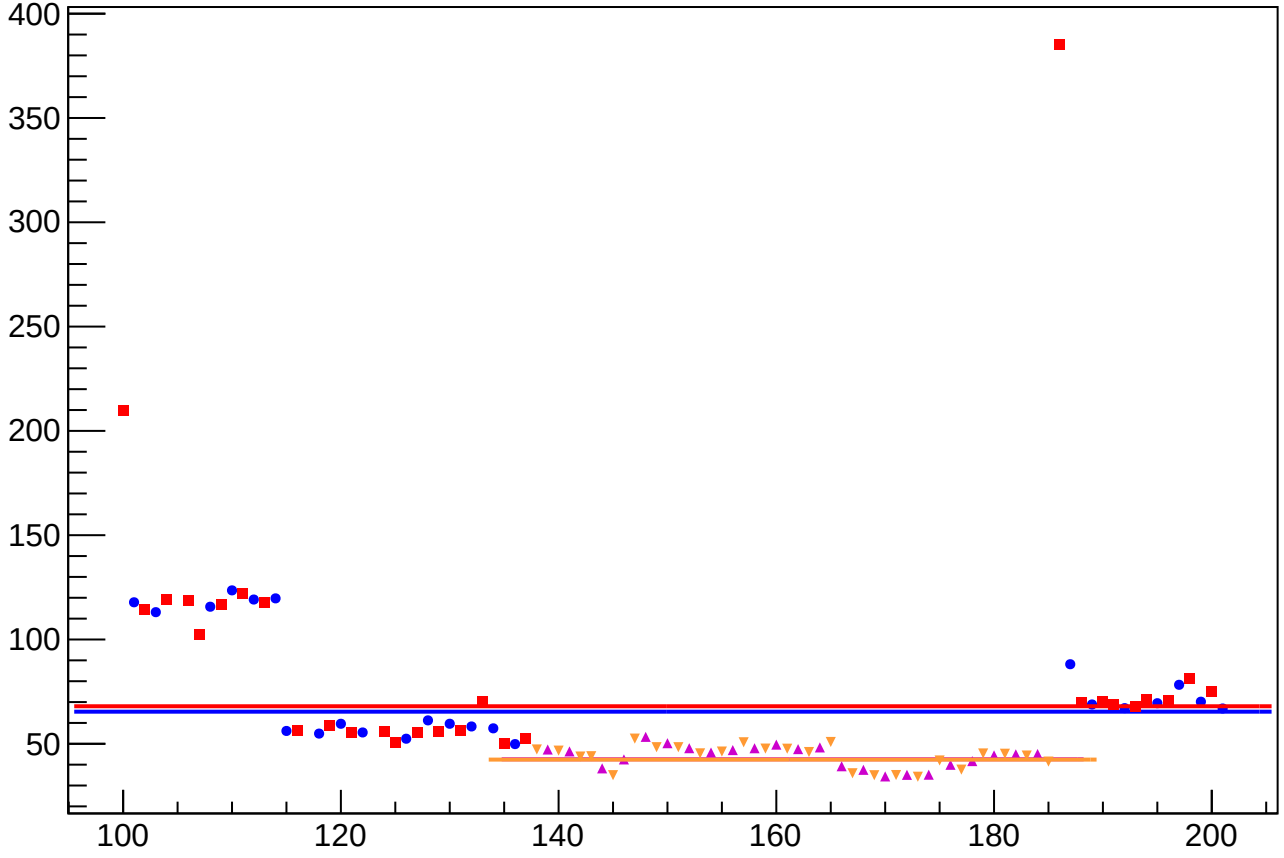
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 20.807+/-8.699 χ^2/NDF: 64.9/47

All: 9.490+/-6.232 χ^2/NDF: 129.1/98

- sign -2.443+/-8.933 χ^2/NDF: 60.7/50

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: 67.995+/-0.014 χ^2/NDF: 2244672.0/27

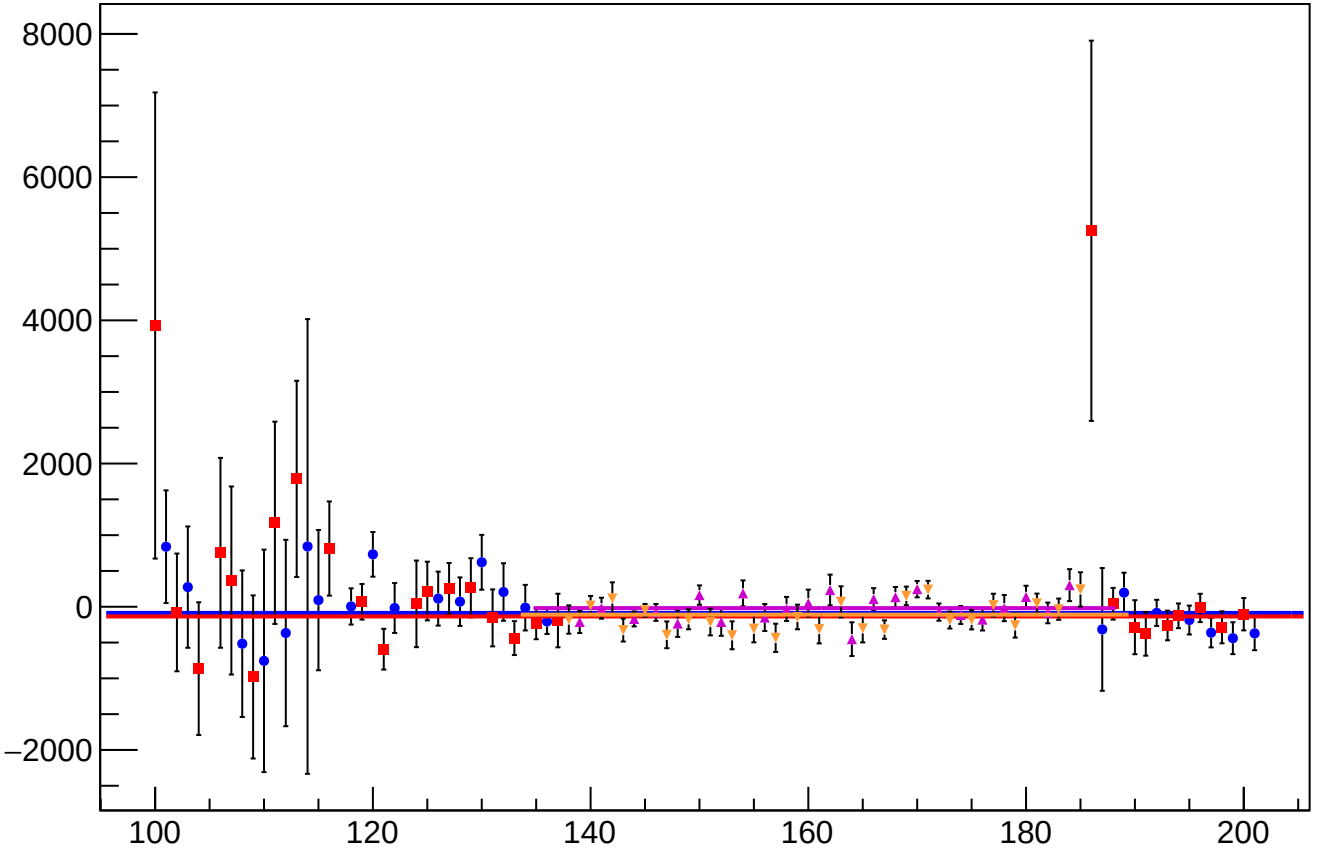
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 47.093+/-0.006 χ^2/NDF: 4421546.8/47

All: 47.545+/-0.004 χ^2/NDF: 9992079.0/98

- sign 48.022+/-0.006 χ^2/NDF: 5559422.5/50

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: -135.614+/-60.627 χ^2/NDF: 23.1/27

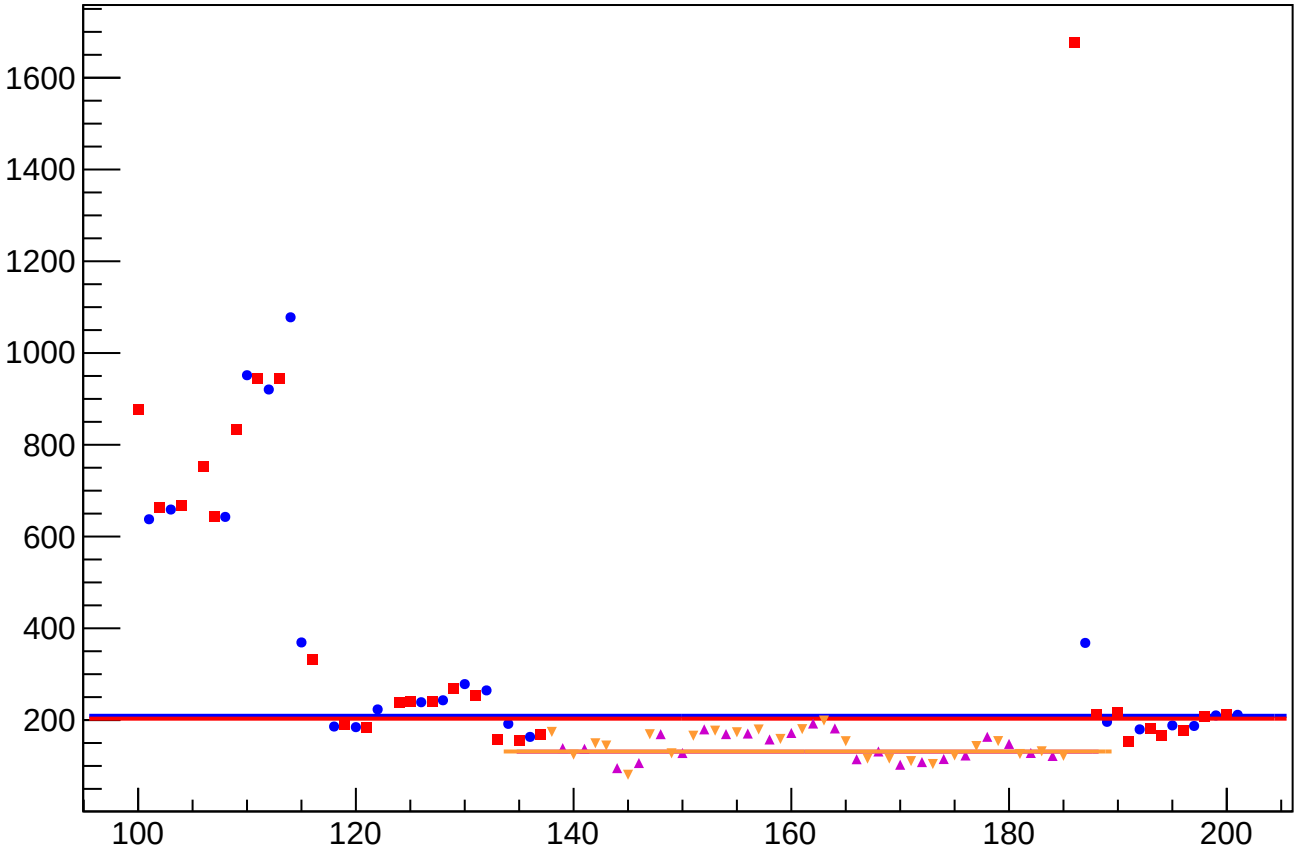
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -105.403+/-27.738 χ^2/NDF: 57.6/47

All: -74.737+/-19.683 χ^2/NDF: 113.3/98

- sign -43.632+/-27.936 χ^2/NDF: 53.2/50

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: 203.036+/-0.043 χ^2/NDF: 4757796.5/27

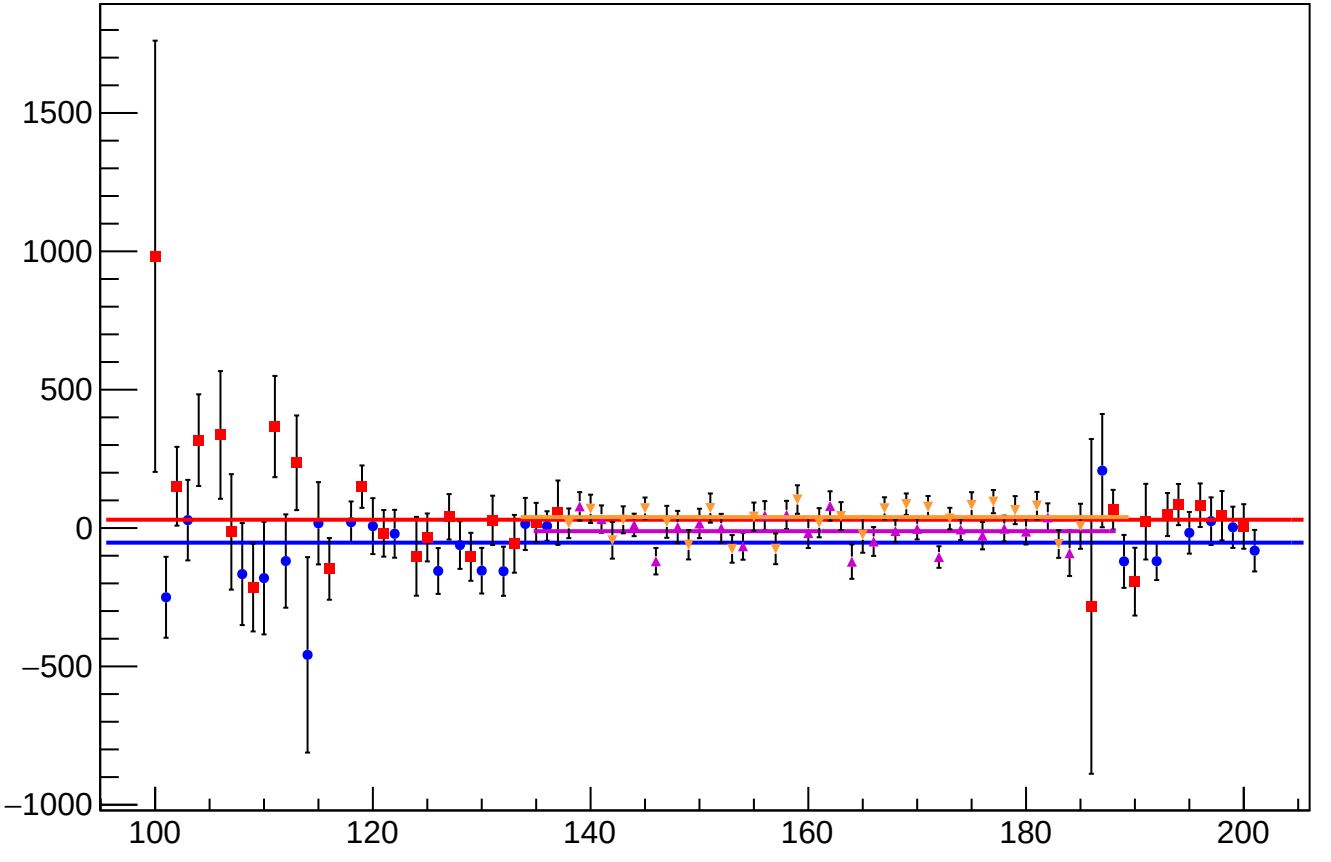
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 146.045+/-0.020 χ^2/NDF: 7548666.0/47

All: 146.198+/-0.014 χ^2/NDF: 15993867.1/98

- sign 146.353+/-0.020 χ^2/NDF: 8445078.9/50

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: 30.075+/-19.303 χ^2/NDF: 29.2/27

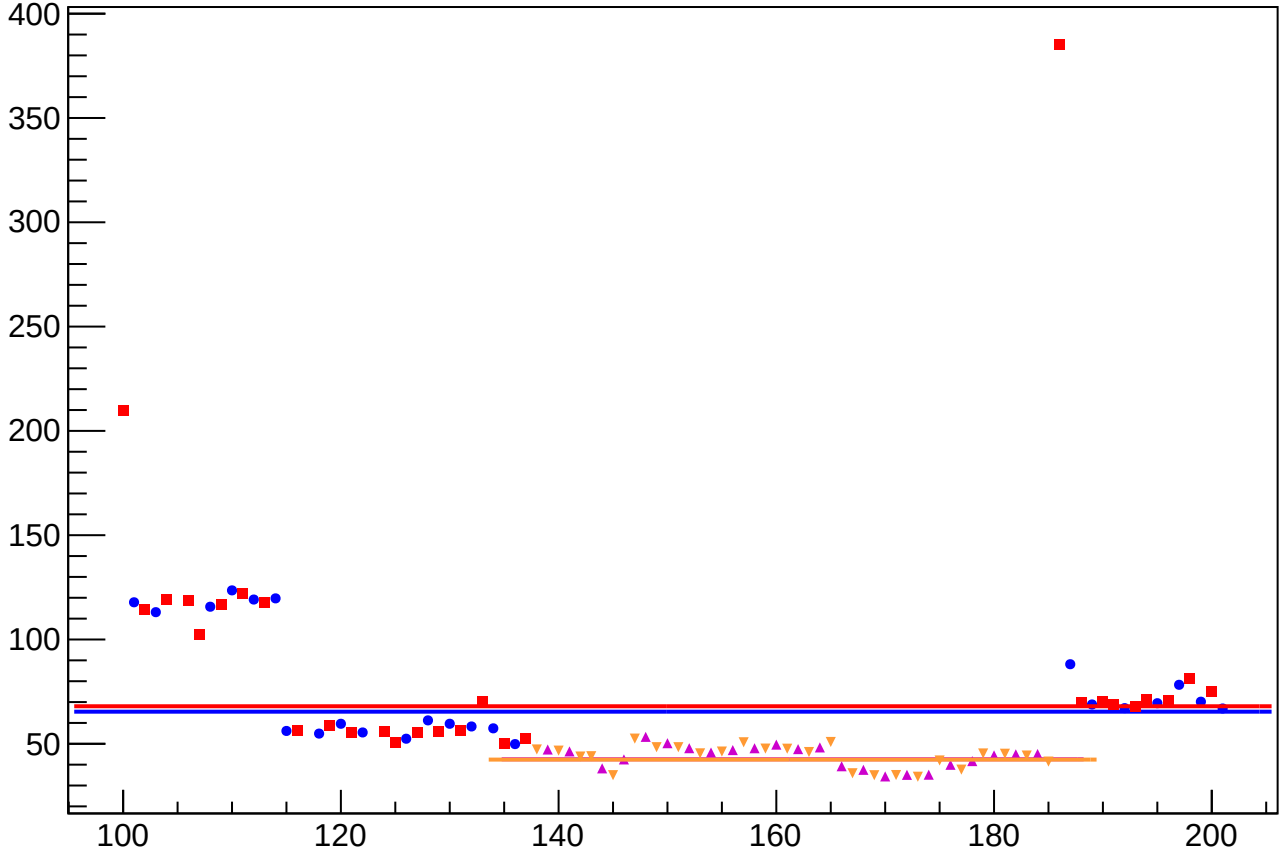
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 20.807+/-8.699 χ^2/NDF: 64.9/47

All: 9.490+/-6.232 χ^2/NDF: 129.1/98

- sign -2.443+/-8.933 χ^2/NDF: 60.7/50

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

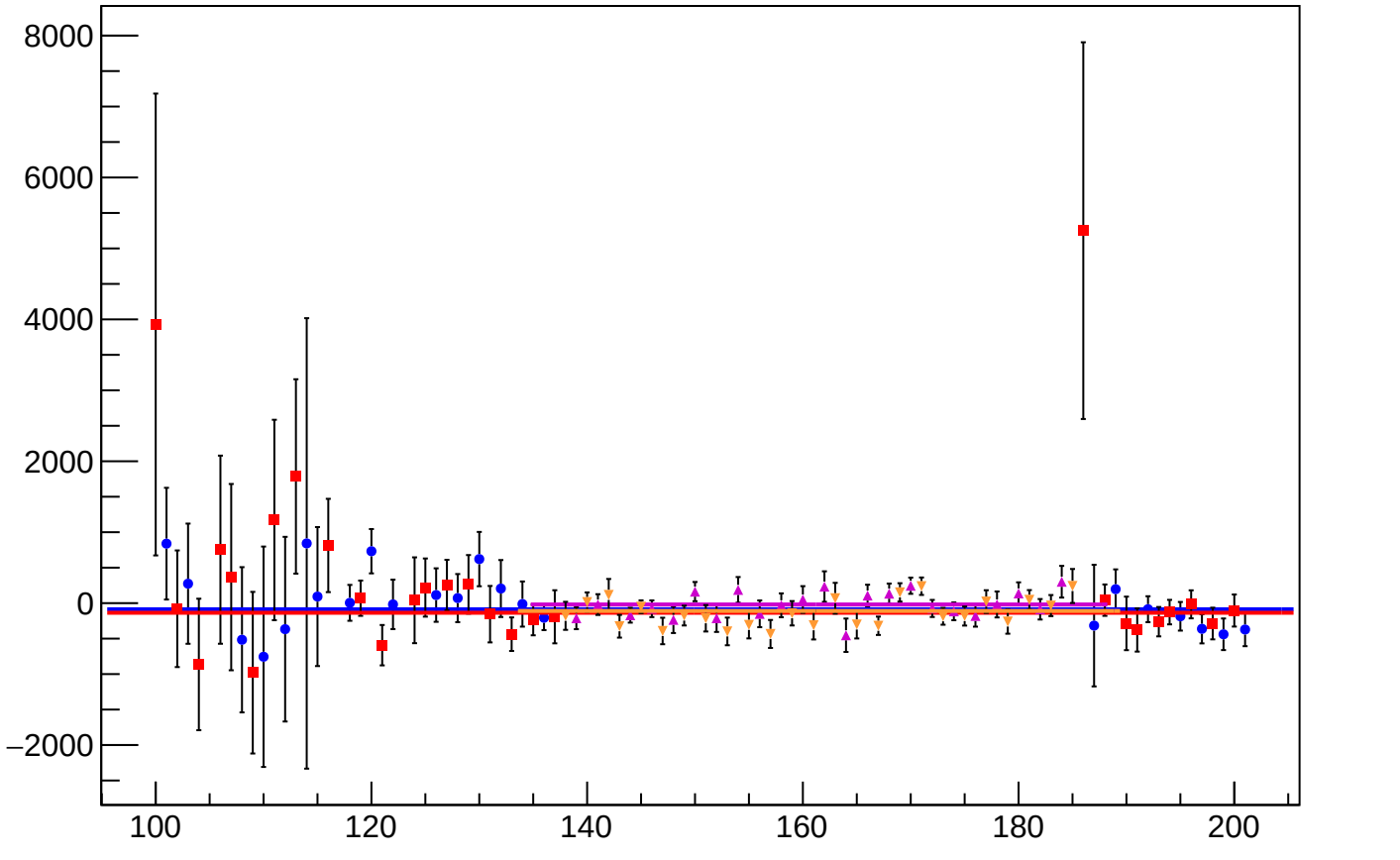
Right Out: 67.995+/-0.014 χ^2/NDF: 2244673.0/27

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 47.093+/-0.006 χ^2/NDF: 4421557.6/47

All: 47.545+/-0.004 χ^2/NDF: 9992092.2/98

- sign 48.022+/-0.006 χ^2/NDF: 5559422.6/50



Right In: -85.955+/-64.180 χ^2/NDF: 21.2/22

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

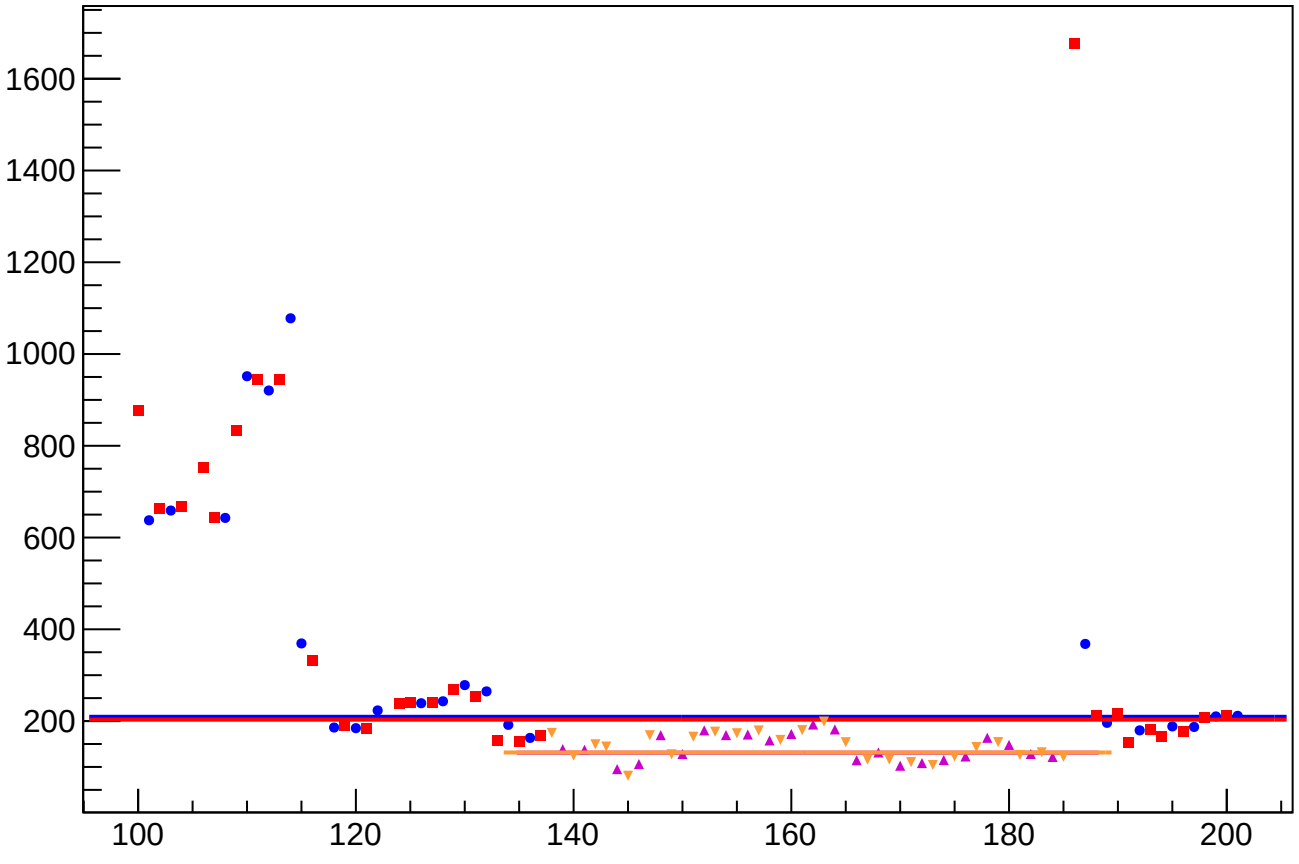
Right Out: -135.613+/-60.627 χ^2/NDF: 23.1/27

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -105.402+/-27.738 χ^2/NDF: 57.6/47

All: -74.737+/-19.683 χ^2/NDF: 113.3/98

- sign -43.632+/-27.936 χ^2/NDF: 53.2/50



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: 203.035+/-0.043 χ^2/NDF: 4757796.0/27

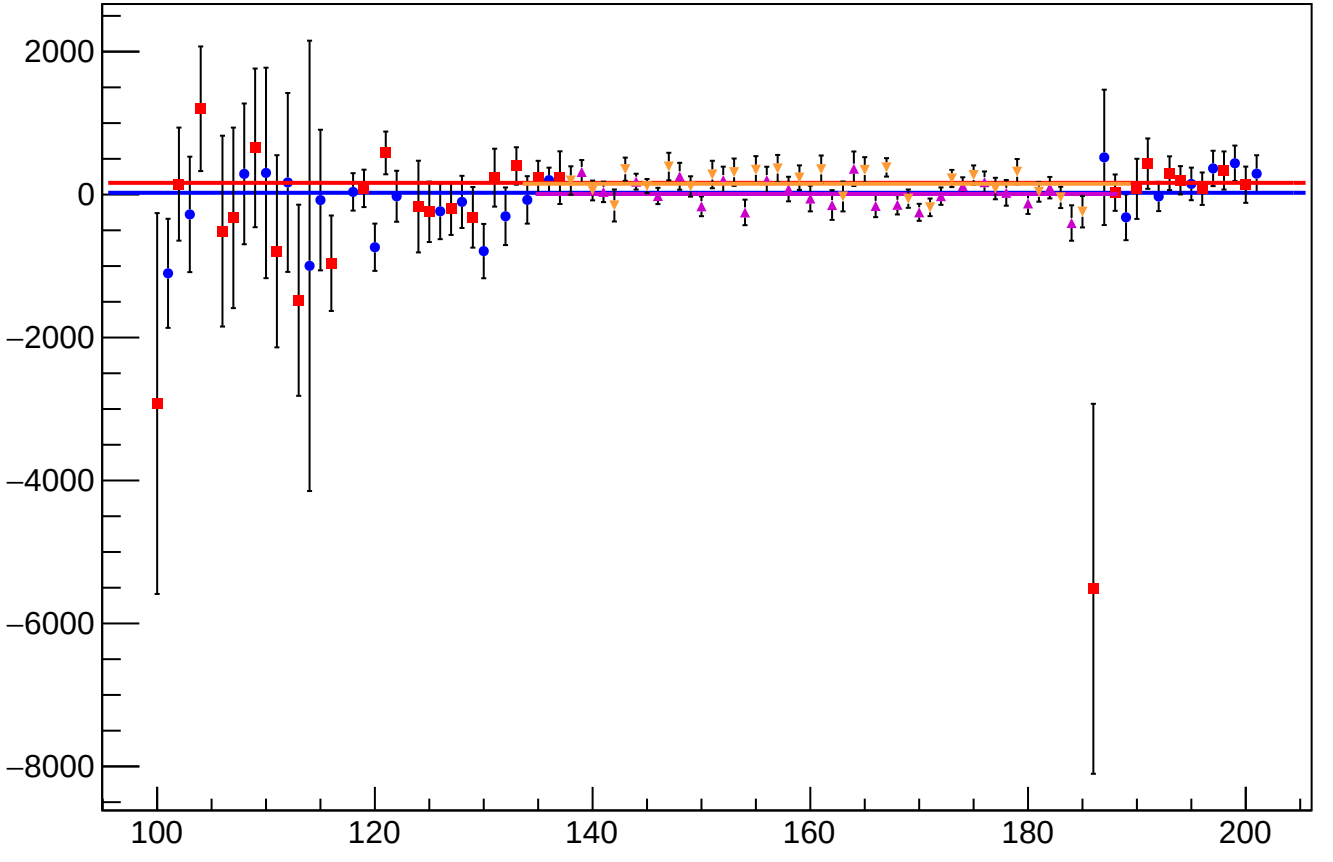
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 146.045+/-0.020 χ^2/NDF: 7548610.1/47

All: 146.198+/-0.014 χ^2/NDF: 15993778.4/98

- sign 146.353+/-0.020 χ^2/NDF: 8445046.1/50

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: 164.236+/-66.901 χ^2/NDF: 21.4/27

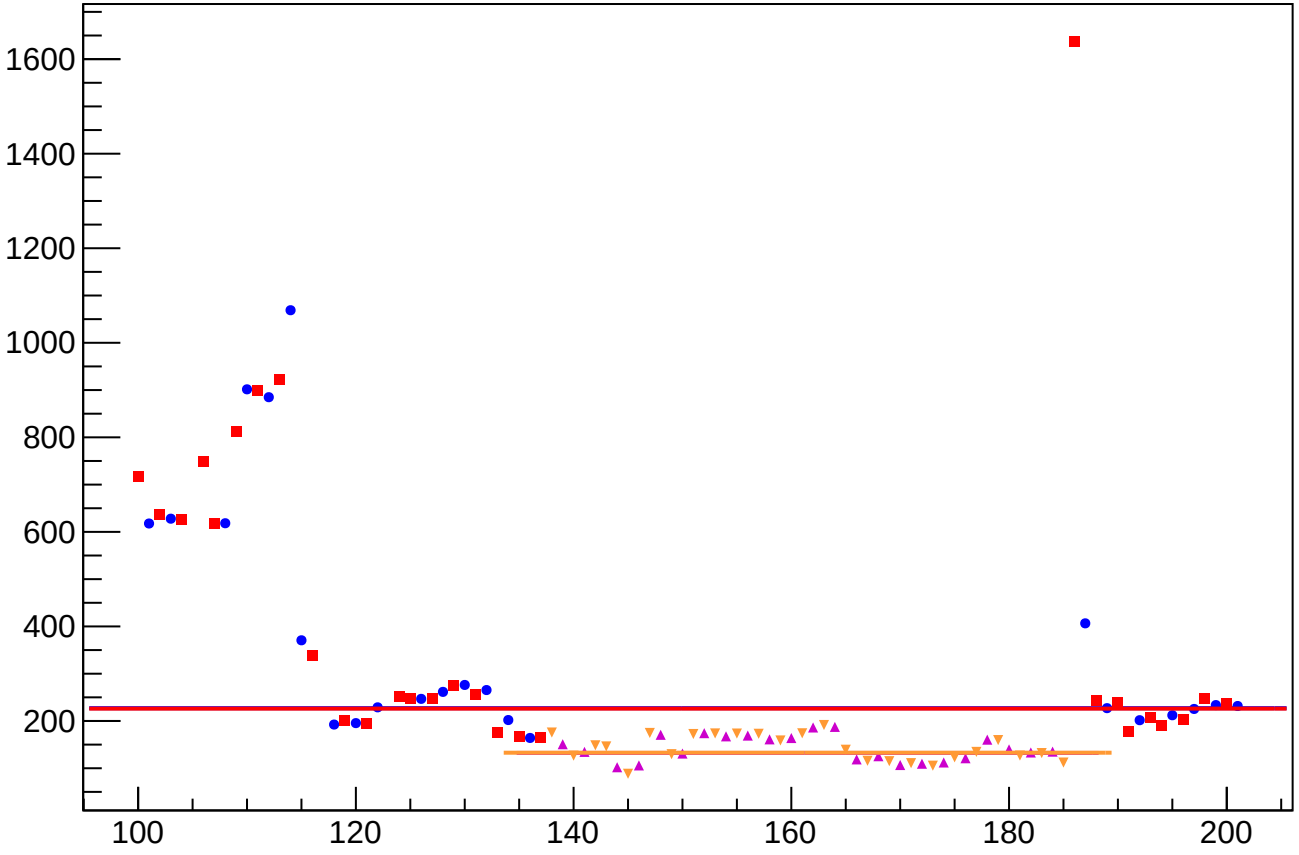
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 130.092+/-28.253 χ^2/NDF: 58.2/47

All: 83.840+/-20.096 χ^2/NDF: 118.9/98

- sign 36.482+/-28.589 χ^2/NDF: 55.3/50

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

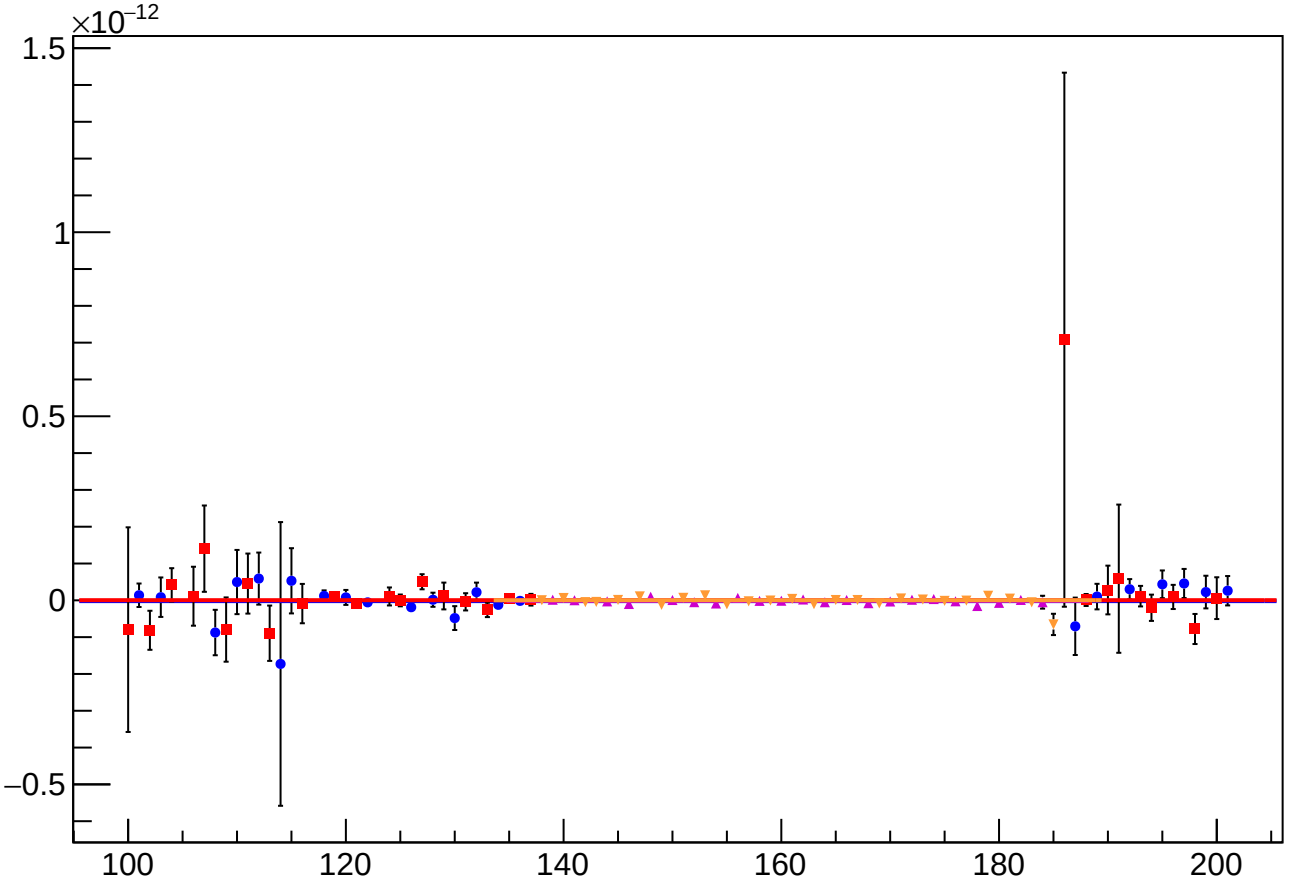
Right Out: 226.152+/-0.047 χ^2/NDF: 4300714.2/27

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 148.583+/-0.020 χ^2/NDF: 7684913.4/47

All: 149.022+/-0.014 χ^2/NDF: 16478722.0/98

- sign 149.472+/-0.020 χ^2/NDF: 8792829.1/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

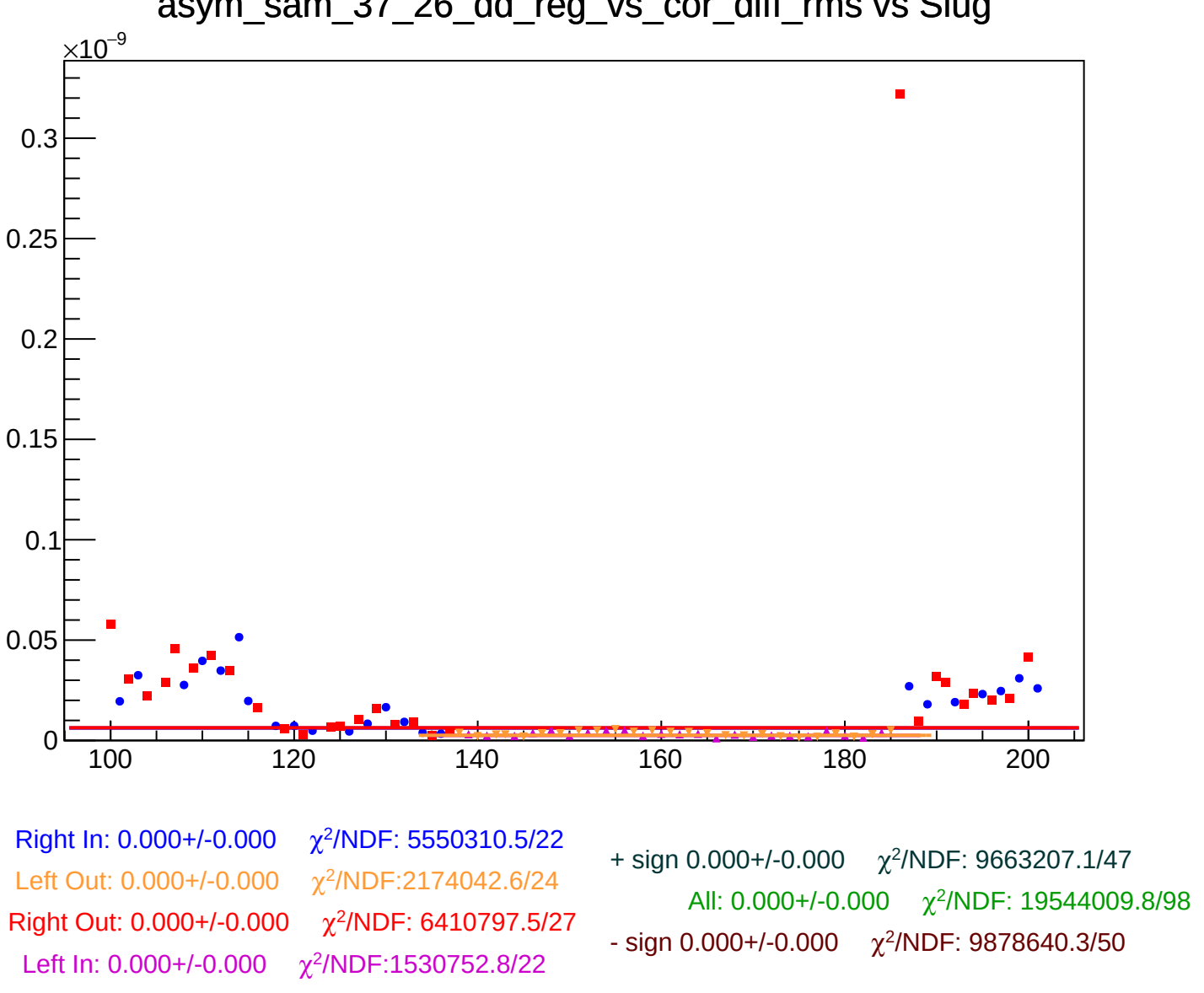
Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/27

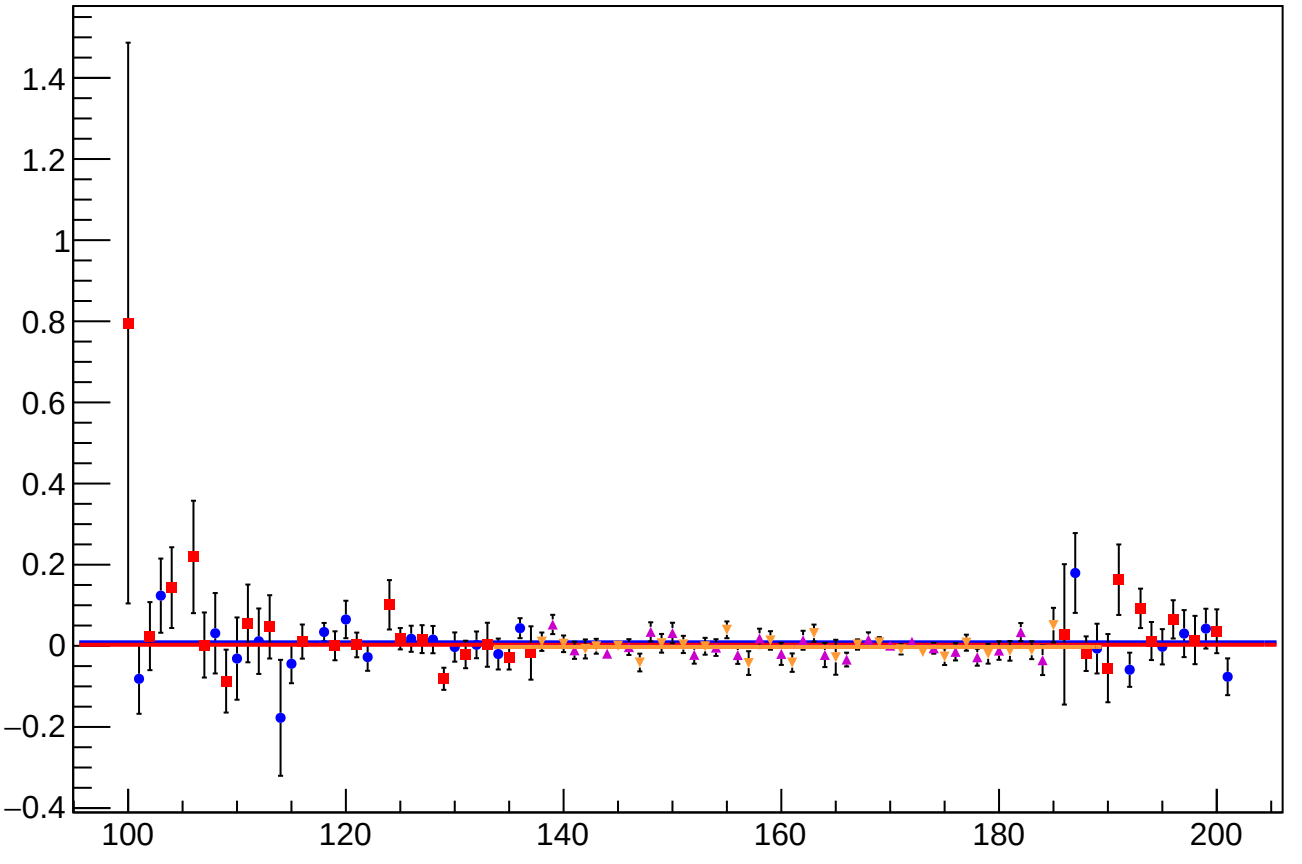
Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.3/47

All: -0.000+/-0.000 χ^2/NDF: 89.7/98

- sign -0.000+/-0.000 χ^2/NDF: 38.6/50


asym_sam_37_26_dd_reg_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: 5550310.5/22
Left Out: 0.000+/-0.000 χ²/NDF:2174042.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6410797.5/27
Left In: 0.000+/-0.000 χ²/NDF:1530752.8/22
+ sign 0.000+/-0.000 χ²/NDF: 9663207.1/47
All: 0.000+/-0.000 χ²/NDF: 19544009.8/98
- sign 0.000+/-0.000 χ²/NDF: 9878640.3/50



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: 0.003+/-0.009 χ^2/NDF: 32.0/27

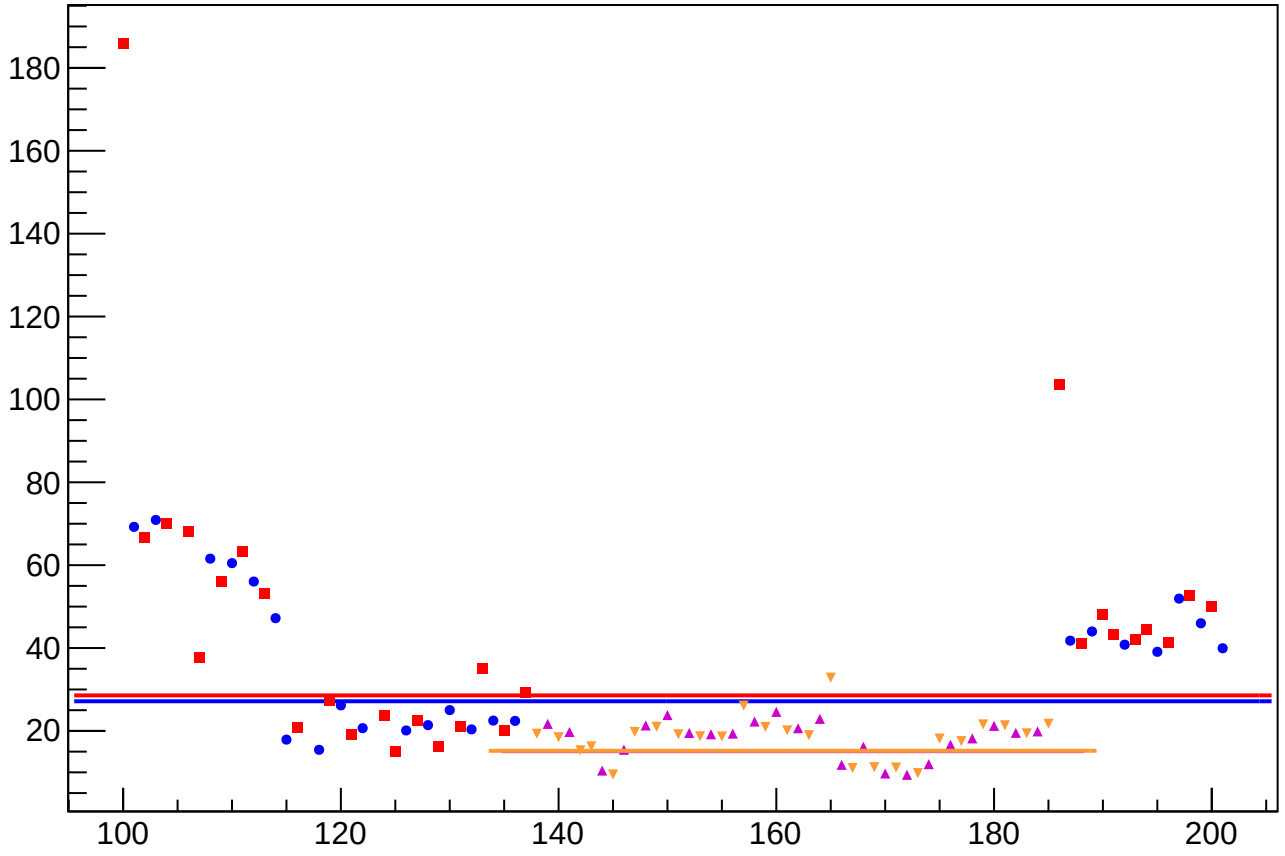
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 46.5/47

All: -0.001+/-0.002 χ^2/NDF: 105.7/98

- sign -0.002+/-0.004 χ^2/NDF: 59.2/50

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.158+/-0.006 χ^2/NDF: 4112834.0/22

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

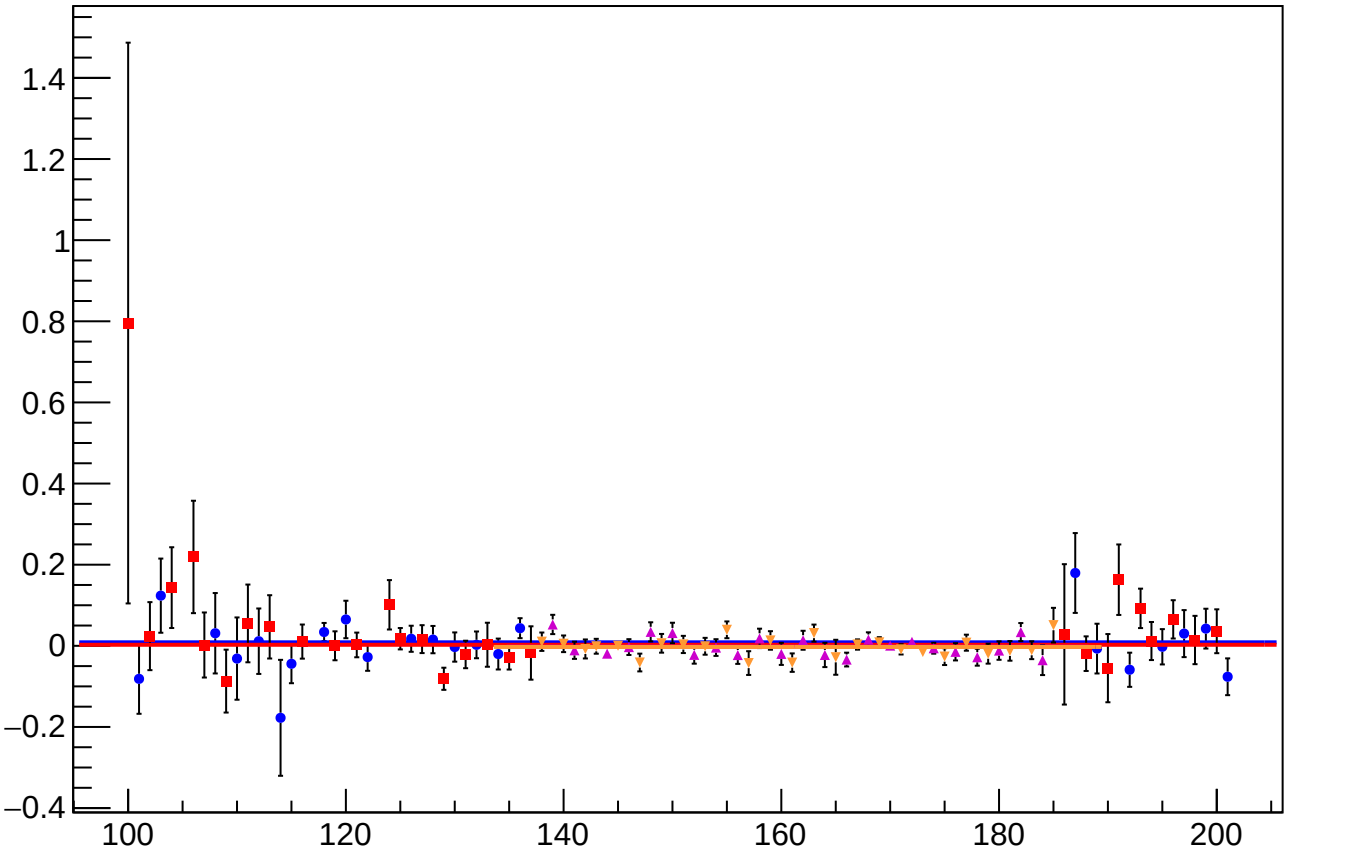
Right Out: 28.573+/-0.006 χ^2/NDF: 5227508.7/27

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.009+/-0.002 χ^2/NDF: 10703679.7/47

All: 17.112+/-0.002 χ^2/NDF: 23209187.4/98

- sign 17.222+/-0.002 χ^2/NDF: 12501747.0/50



Right In: 0.009+/-0.009 χ^2/NDF: 22.4/22

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

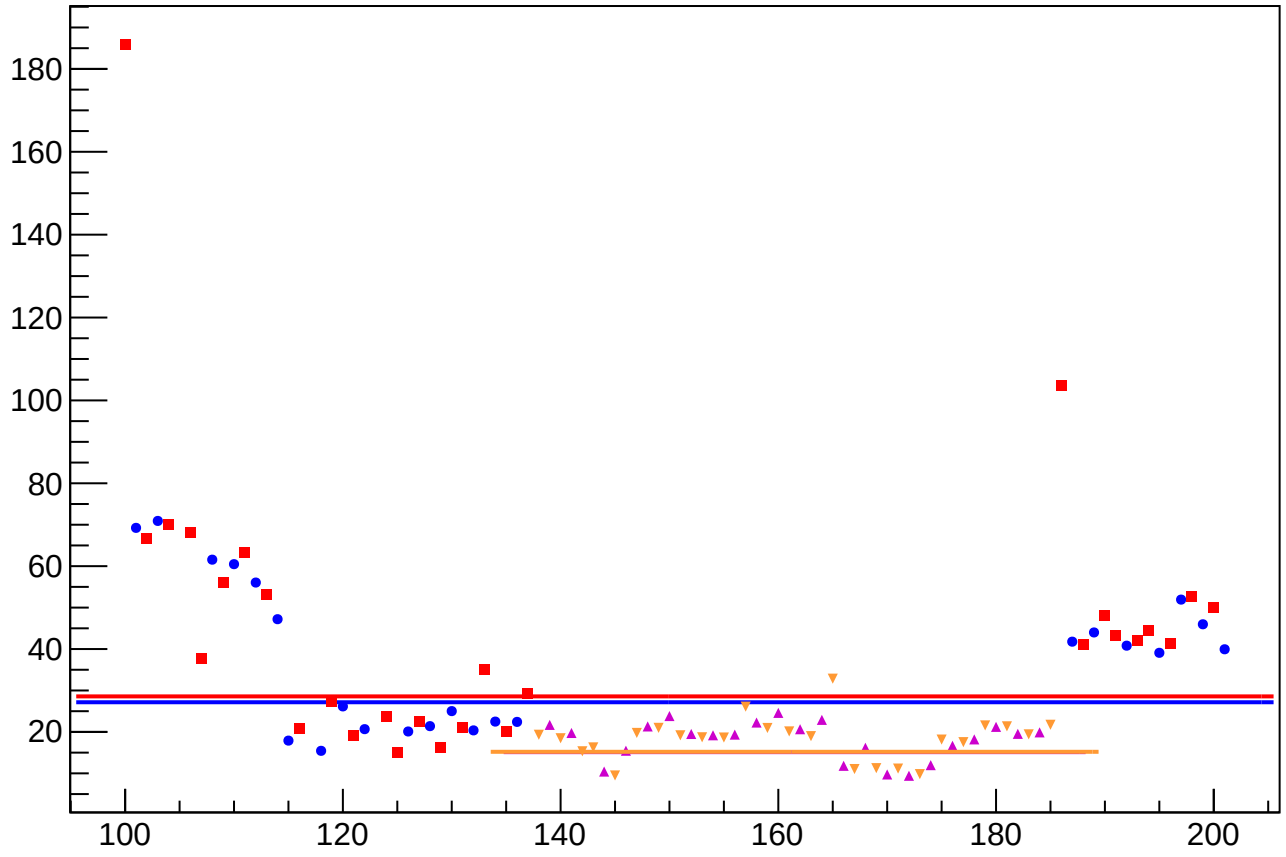
Right Out: 0.003+/-0.009 χ^2/NDF: 32.0/27

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 46.5/47

All: -0.001+/-0.002 χ^2/NDF: 105.7/98

- sign -0.002+/-0.004 χ^2/NDF: 59.2/50



Right In: 27.158+/-0.006 χ^2/NDF: 4112834.0/22

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

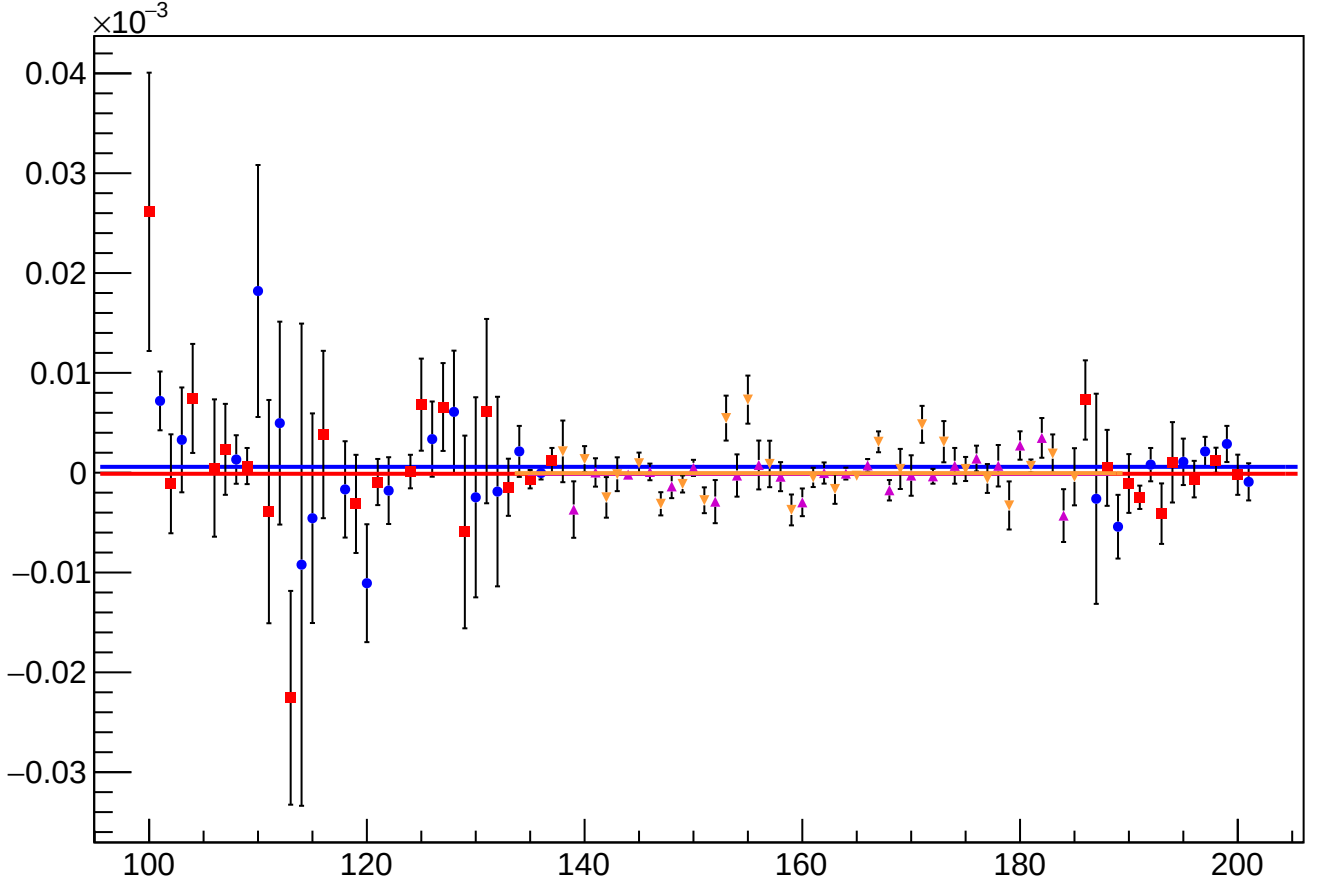
Right Out: 28.573+/-0.006 χ^2/NDF: 5227508.7/27

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

\+ sign 17.009+/-0.002 χ^2/NDF: 10703679.7/47

All: 17.112+/-0.002 χ^2/NDF: 23209187.4/98

\- sign 17.222+/-0.002 χ^2/NDF: 12501747.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

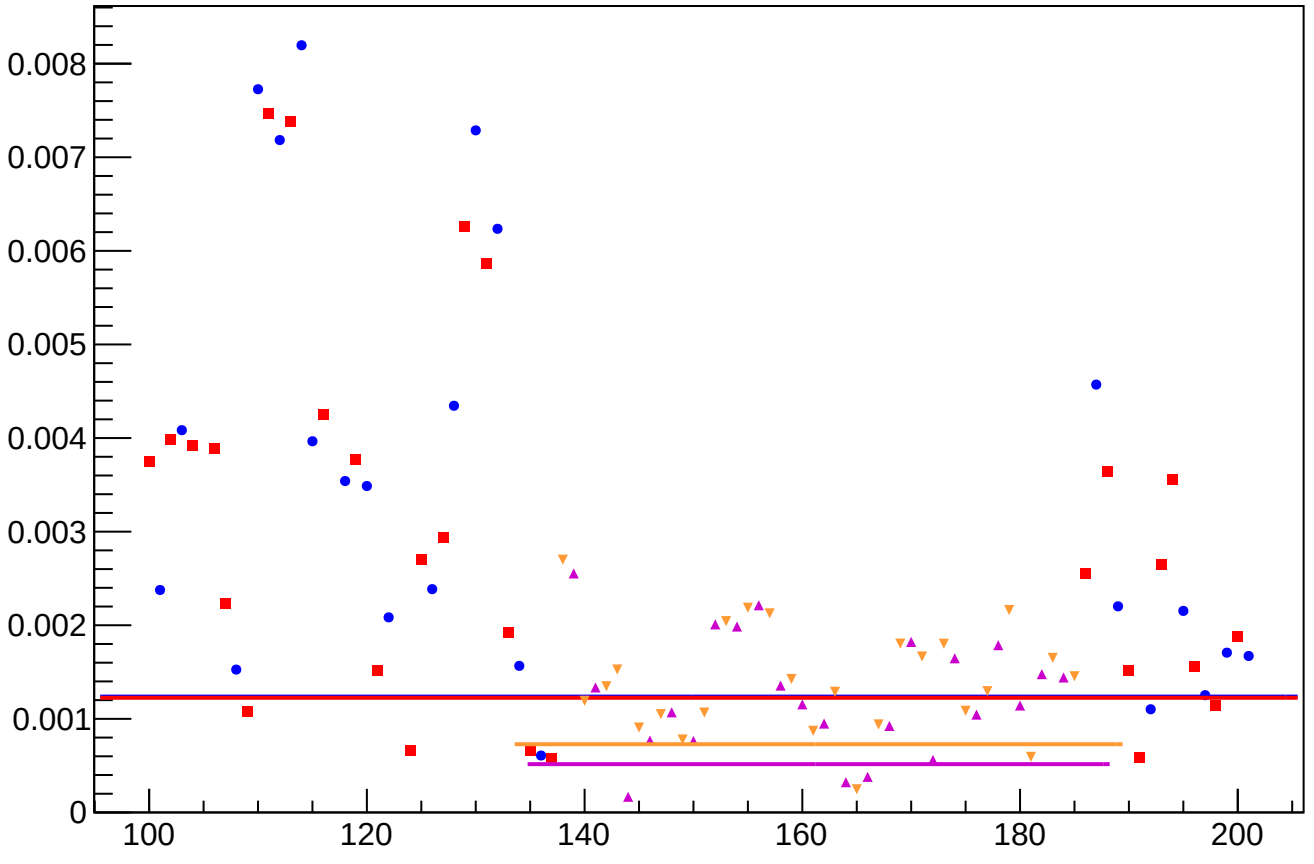
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/27

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: 141.8/98

- sign -0.000+/-0.000 χ^2/NDF: 54.4/50



Right In: 0.001+/-0.000 χ^2/NDF: 8165709.3/22

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

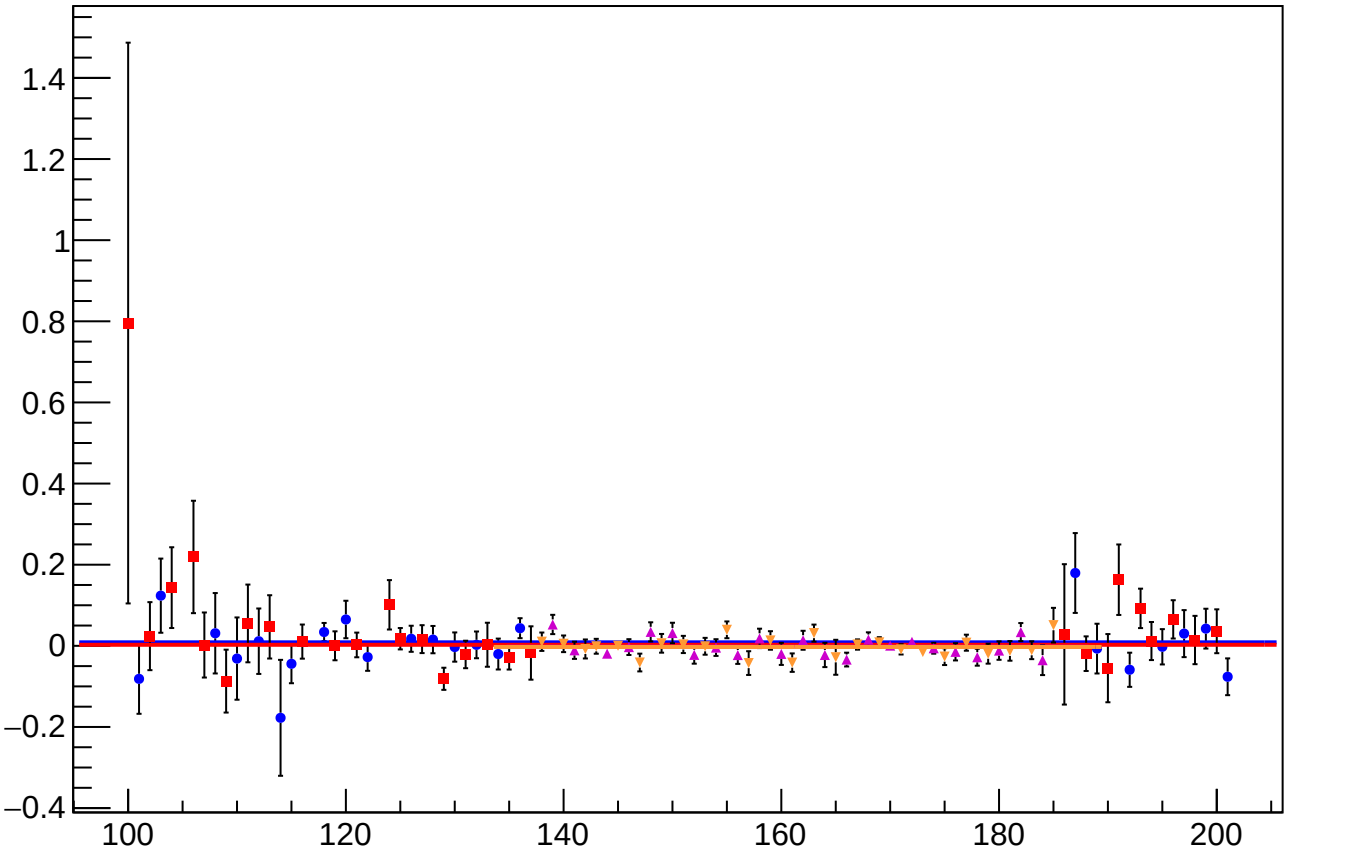
Right Out: 0.001+/-0.000 χ^2/NDF: 9907573.9/27

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: 54286087.5/98

- sign 0.001+/-0.000 χ^2/NDF: 29615498.5/50



Right In: 0.009+/-0.009 χ^2/NDF: 22.4/22

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

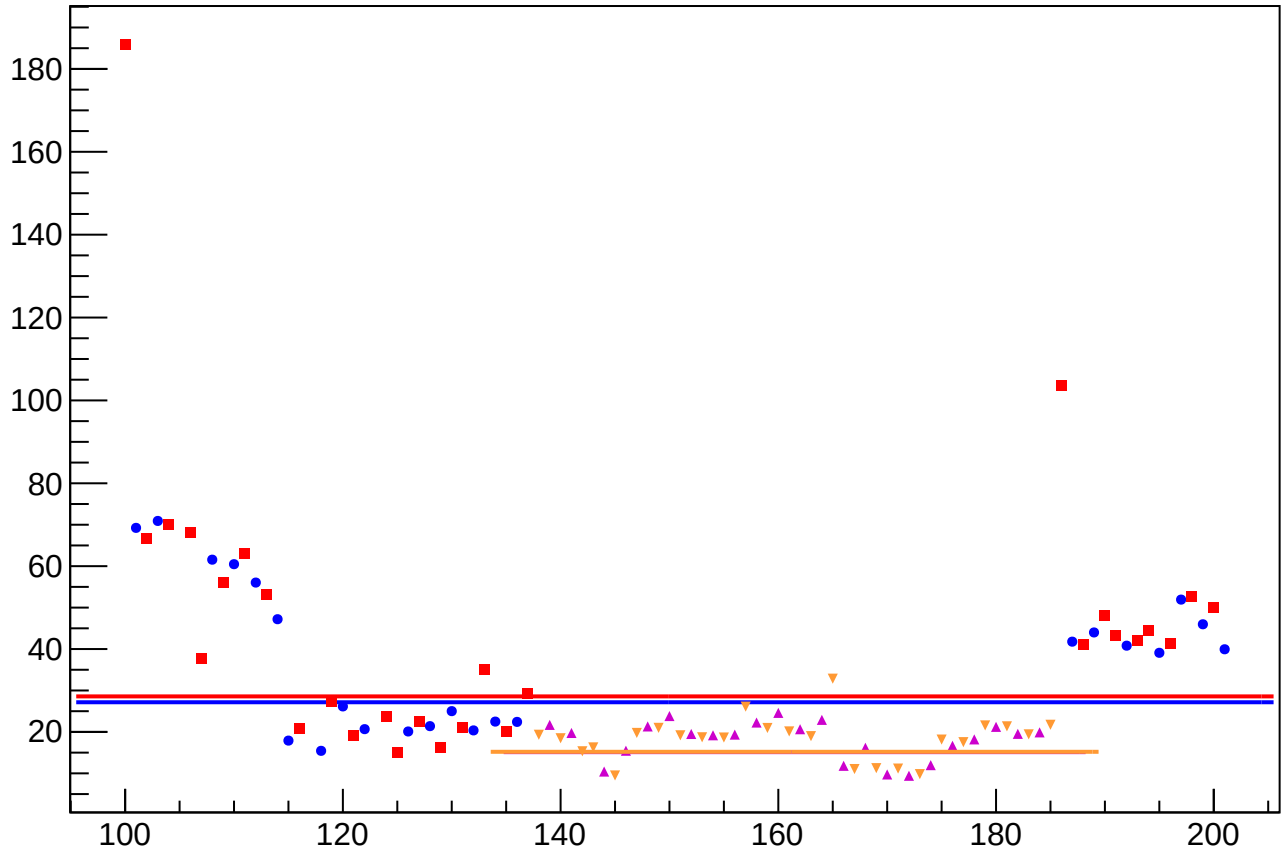
Right Out: 0.003+/-0.009 χ^2/NDF: 32.0/27

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 46.5/47

All: -0.001+/-0.002 χ^2/NDF: 105.7/98

- sign -0.002+/-0.004 χ^2/NDF: 59.2/50



Right In: 27.157+/-0.006 χ^2/NDF: 4113212.2/22

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

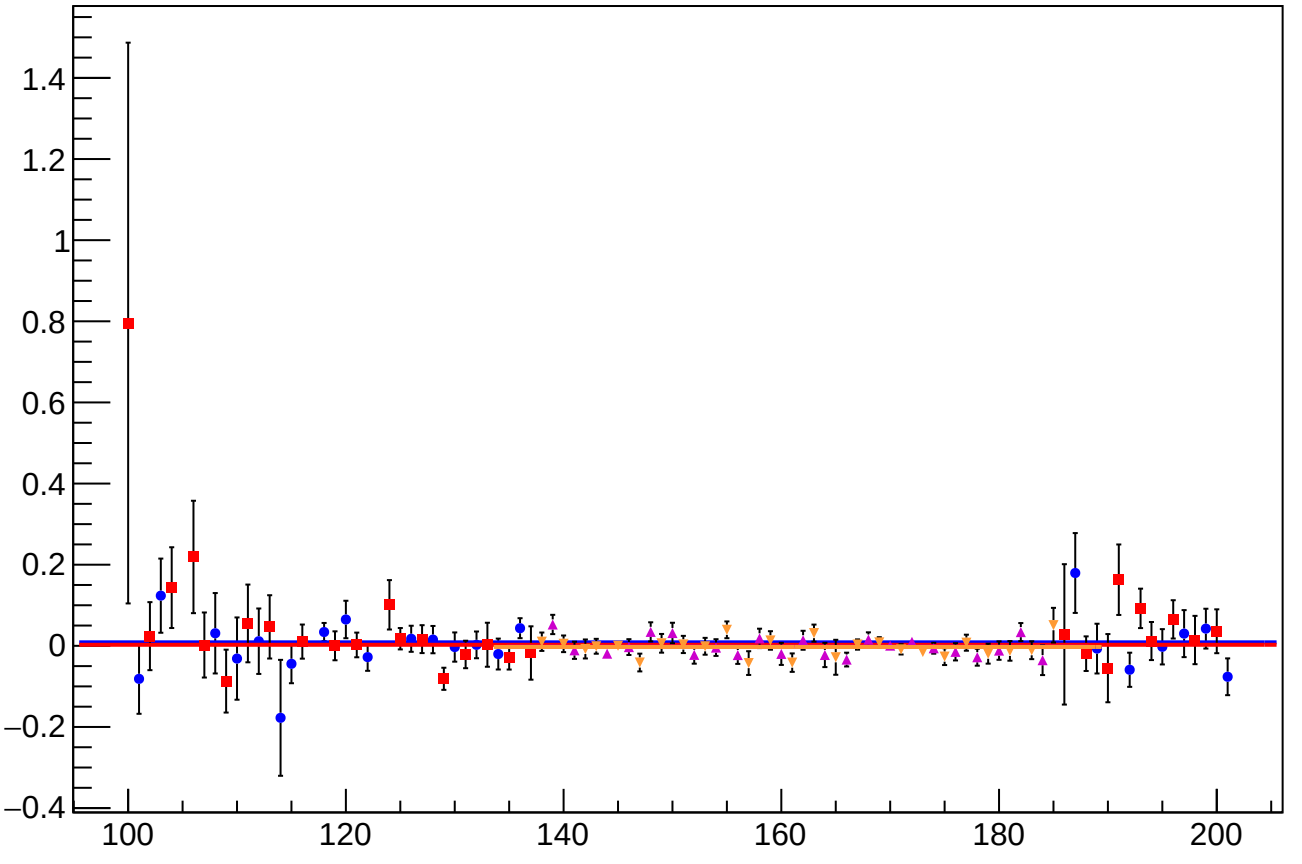
Right Out: 28.572+/-0.006 χ^2/NDF: 5227739.2/27

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.009+/-0.002 χ^2/NDF: 10703629.8/47

All: 17.112+/-0.002 χ^2/NDF: 23209111.6/98

- sign 17.222+/-0.002 χ^2/NDF: 12501717.5/50



Right In: 0.009+/-0.009 χ^2/NDF: 22.4/22

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

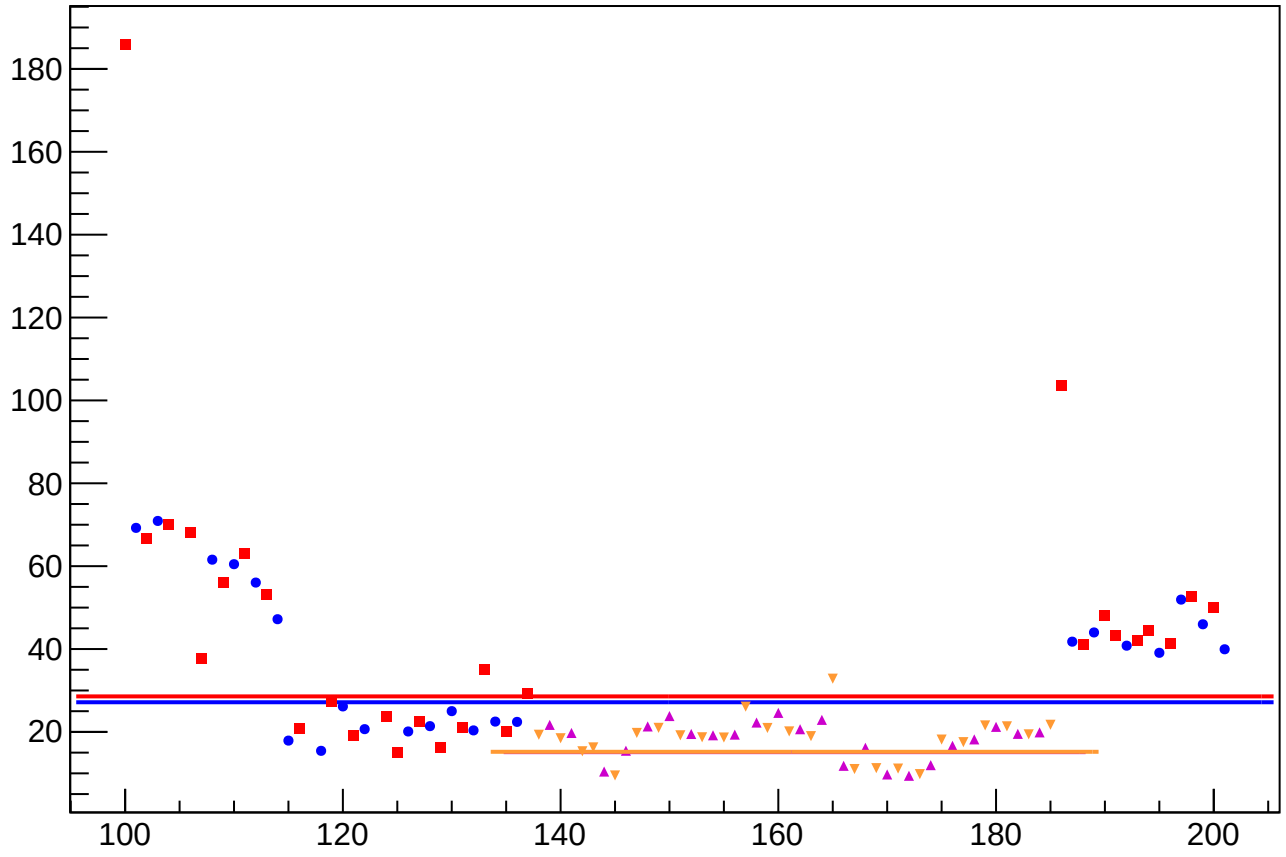
Right Out: 0.003+/-0.009 χ^2/NDF: 32.0/27

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 46.5/47

All: -0.001+/-0.002 χ^2/NDF: 105.7/98

- sign -0.002+/-0.004 χ^2/NDF: 59.2/50



Right In: 27.157+/-0.006 χ^2/NDF: 4113212.2/22

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

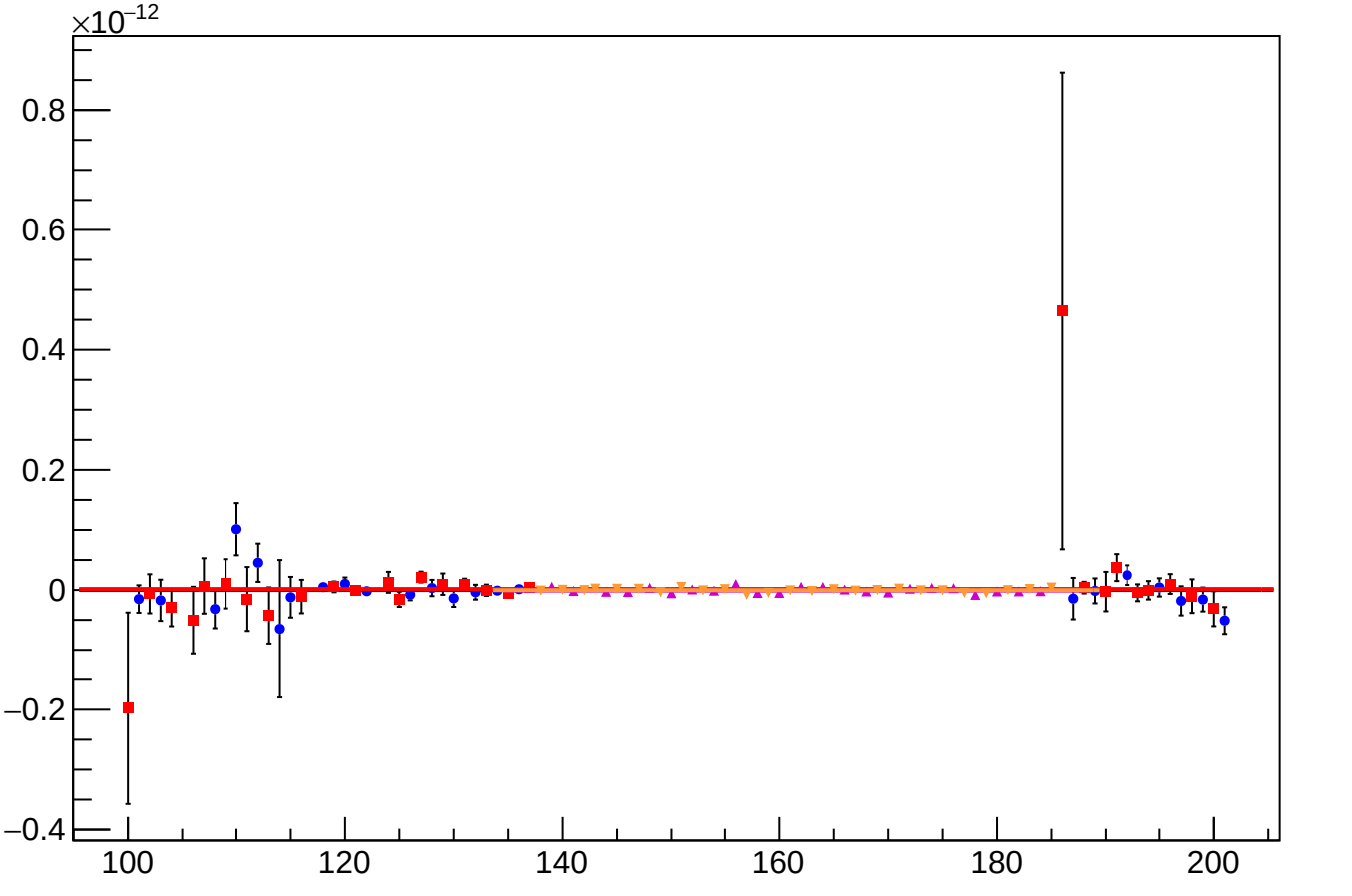
Right Out: 28.572+/-0.006 χ^2/NDF: 5227739.2/27

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.009+/-0.002 χ^2/NDF: 10703629.8/47

All: 17.112+/-0.002 χ^2/NDF: 23209111.6/98

- sign 17.222+/-0.002 χ^2/NDF: 12501717.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/22

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

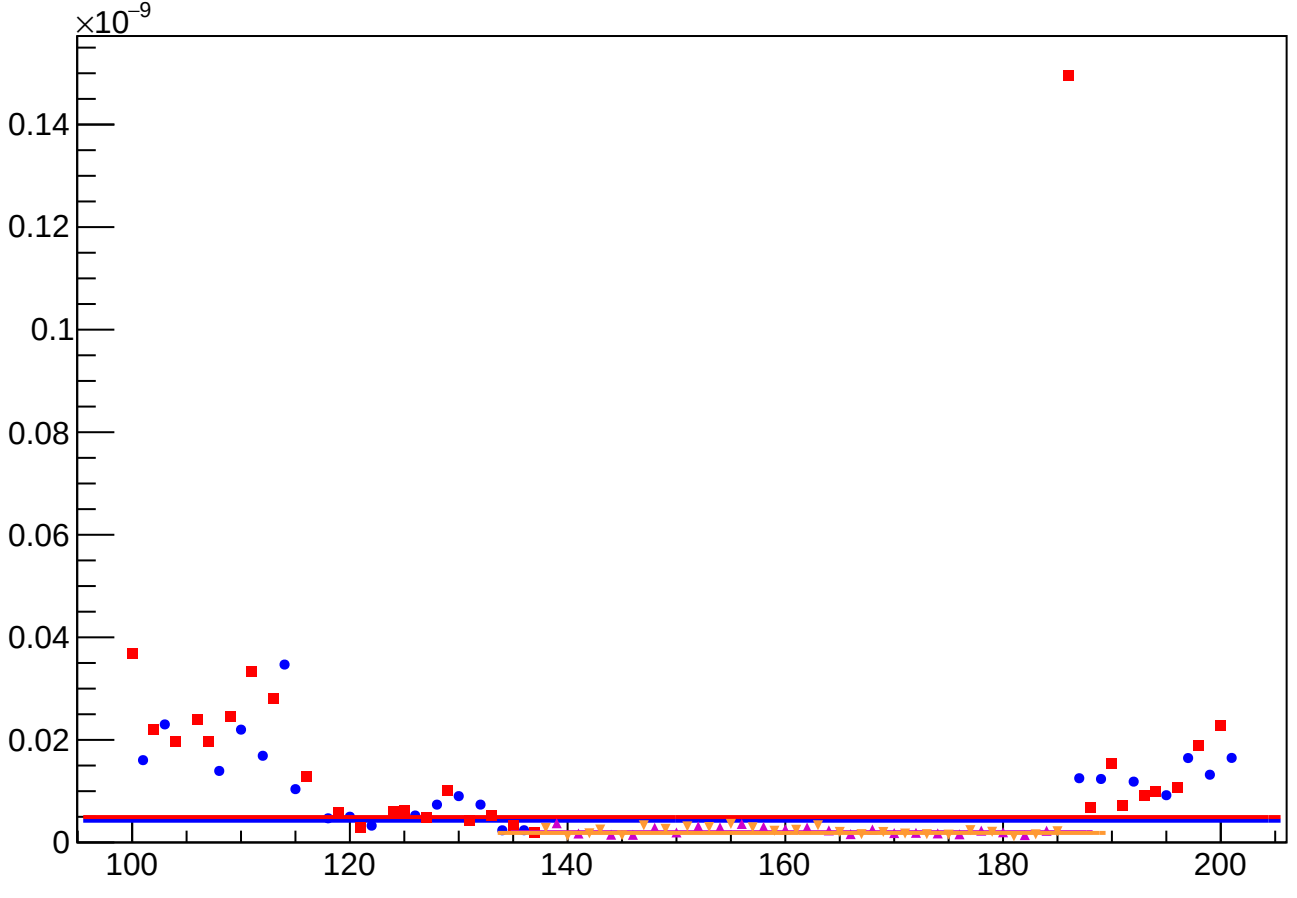
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/27

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: 105.9/98

- sign -0.000+/-0.000 χ^2/NDF: 62.2/50



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: 7103645.2/27

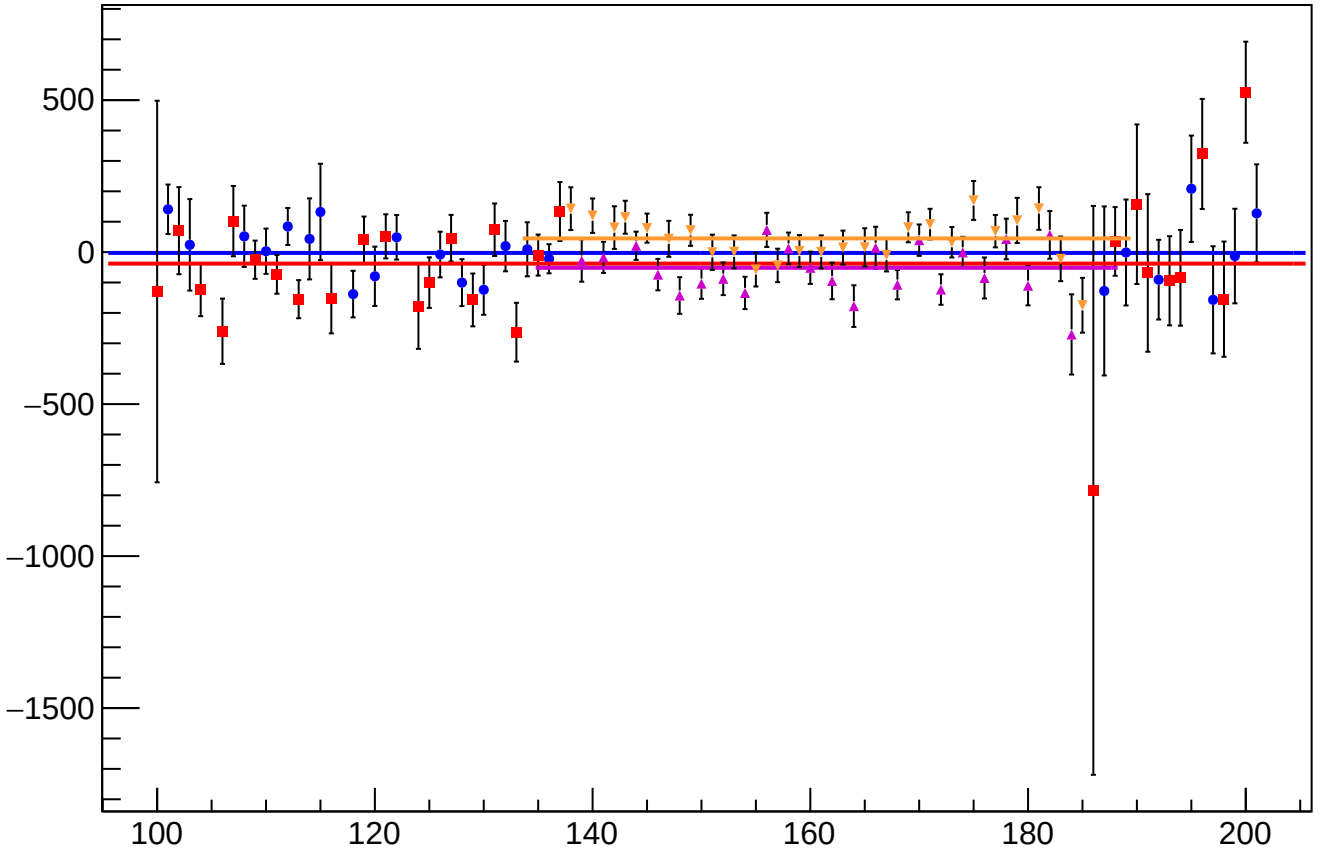
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11660195.2/47

All: 0.000+/-0.000 χ^2/NDF: 24209955.2/98

- sign 0.000+/-0.000 χ^2/NDF: 12441753.8/50

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: -37.912+/-18.609 χ^2/NDF: 47.4/27

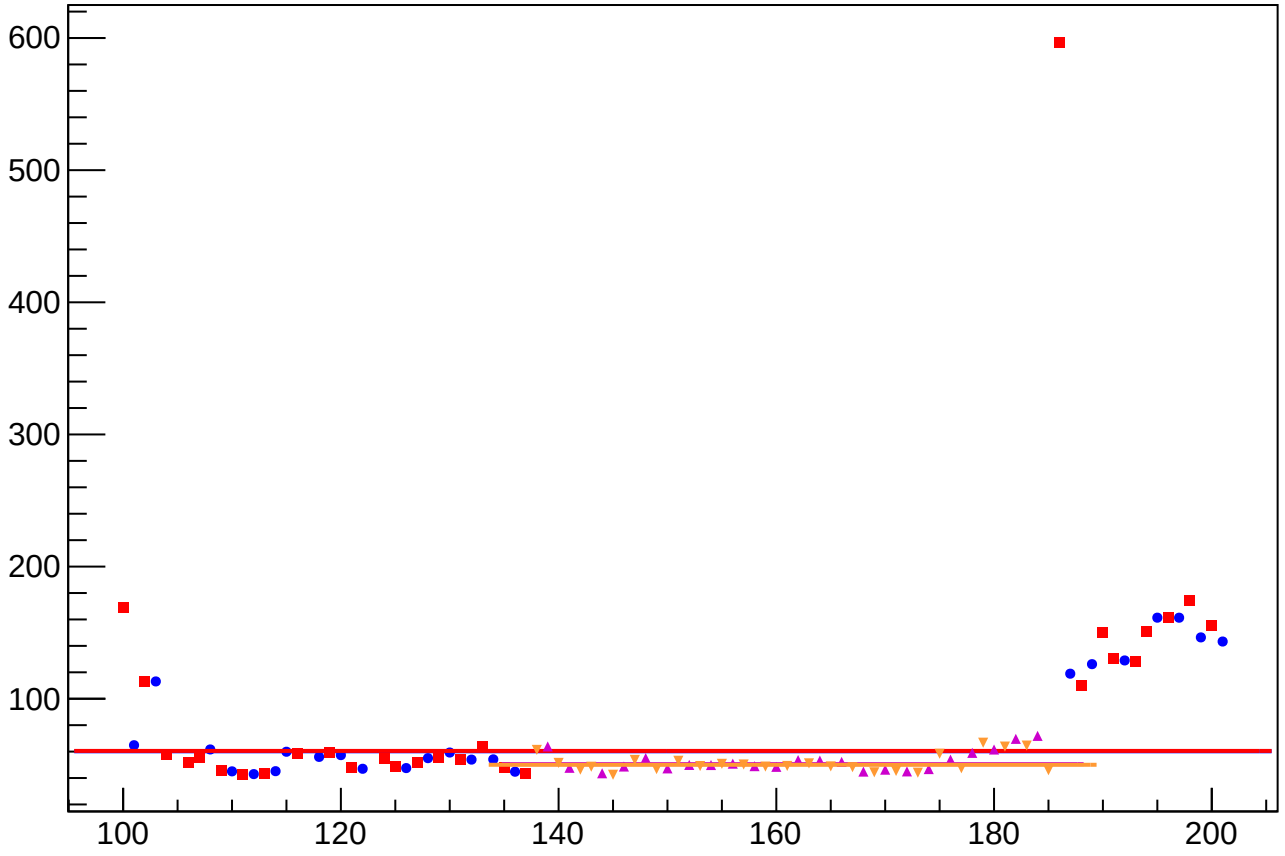
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.359+/-9.844 χ^2/NDF: 54.1/47

All: -6.836+/-7.030 χ^2/NDF: 170.1/98

- sign -47.625+/-10.043 χ^2/NDF: 83.7/50

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: 60.511+/-0.013 χ^2/NDF: 5545222.1/27

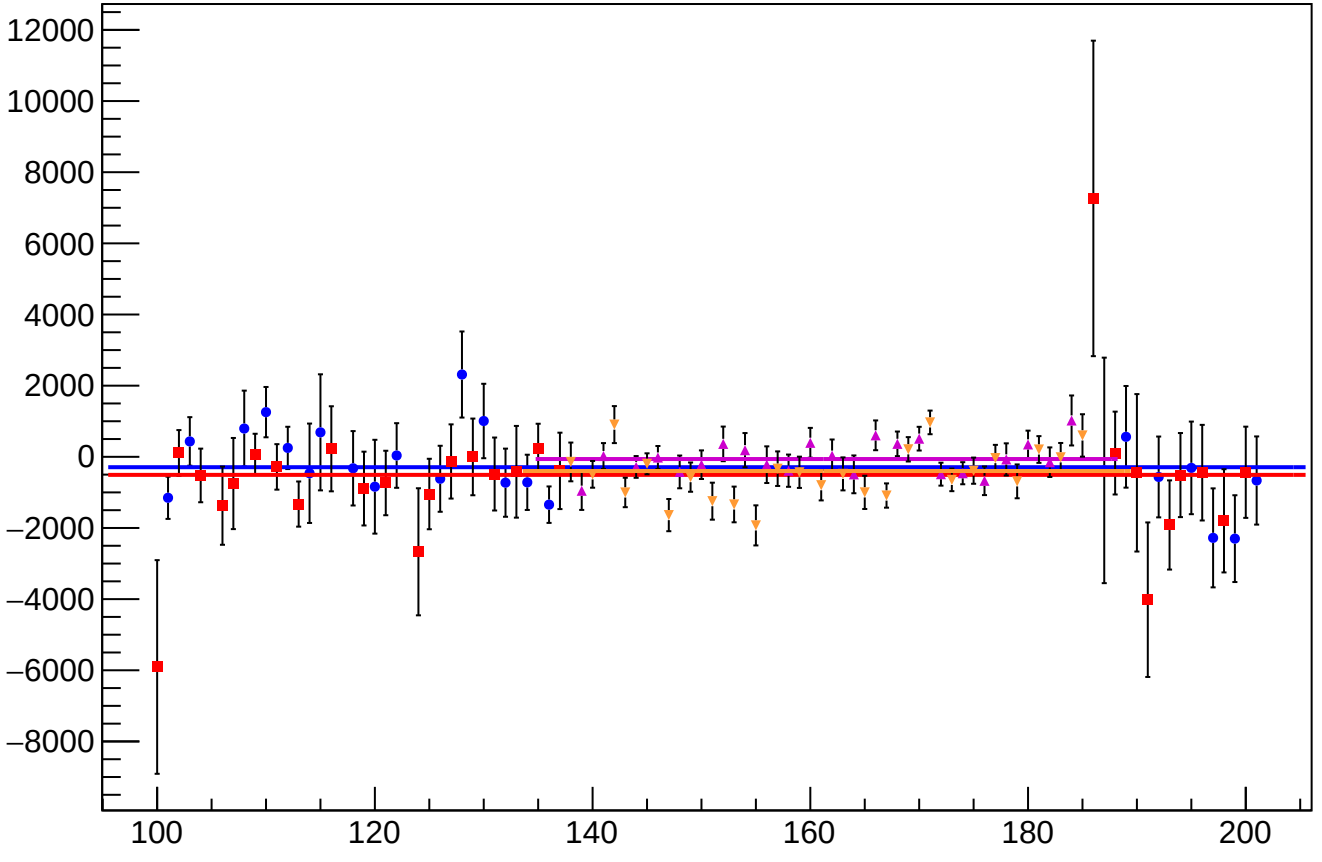
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.740+/-0.007 χ^2/NDF: 5216658.2/47

All: 53.075+/-0.005 χ^2/NDF: 11679288.7/98

- sign 53.424+/-0.007 χ^2/NDF: 6457897.9/50

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: -507.421+/-188.166 χ^2/NDF: 19.4/27

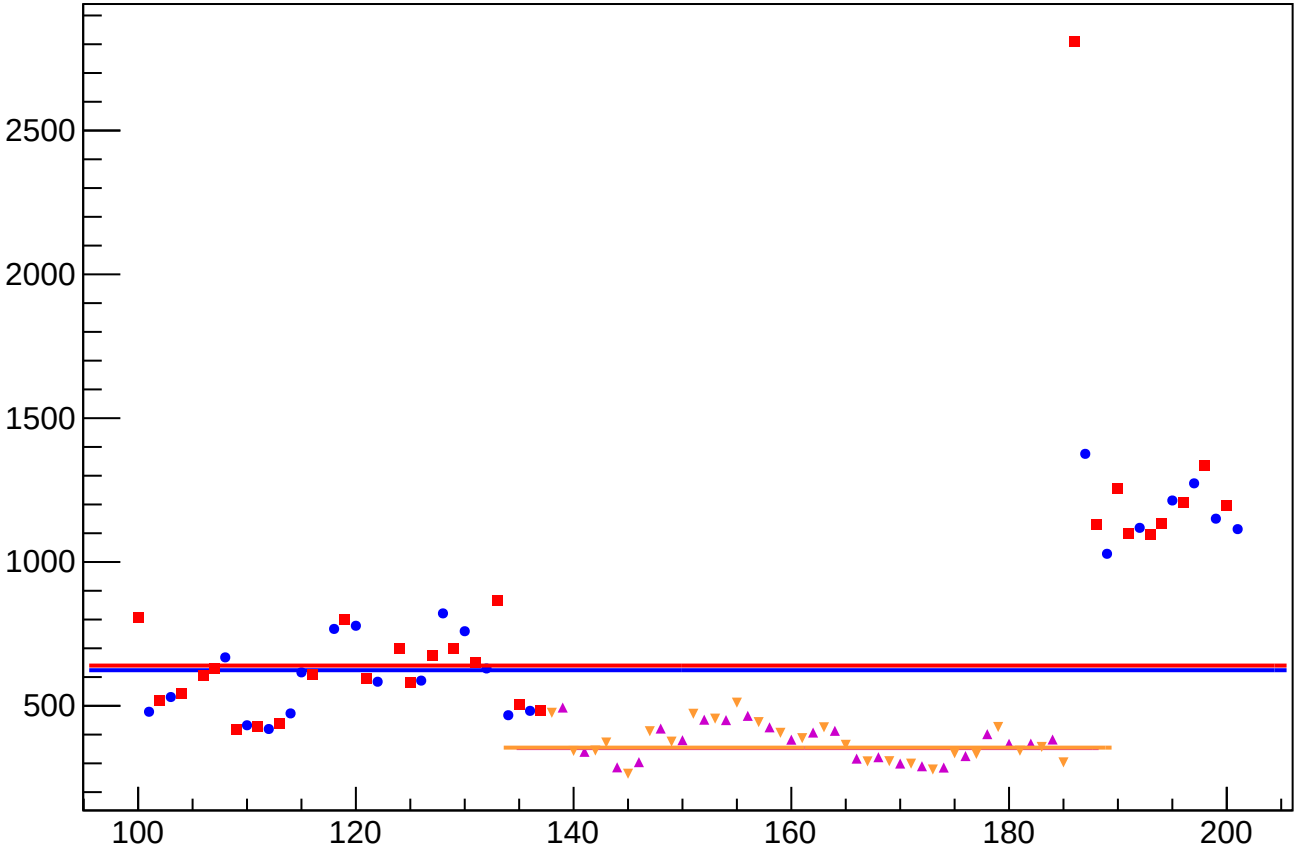
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -382.587+/-75.401 χ^2/NDF: 92.5/47

All: -261.220+/-53.743 χ^2/NDF: 145.8/98

- sign -135.890+/-76.622 χ^2/NDF: 48.0/50

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: 639.972+/-0.133 χ^2/NDF: 3980088.4/27

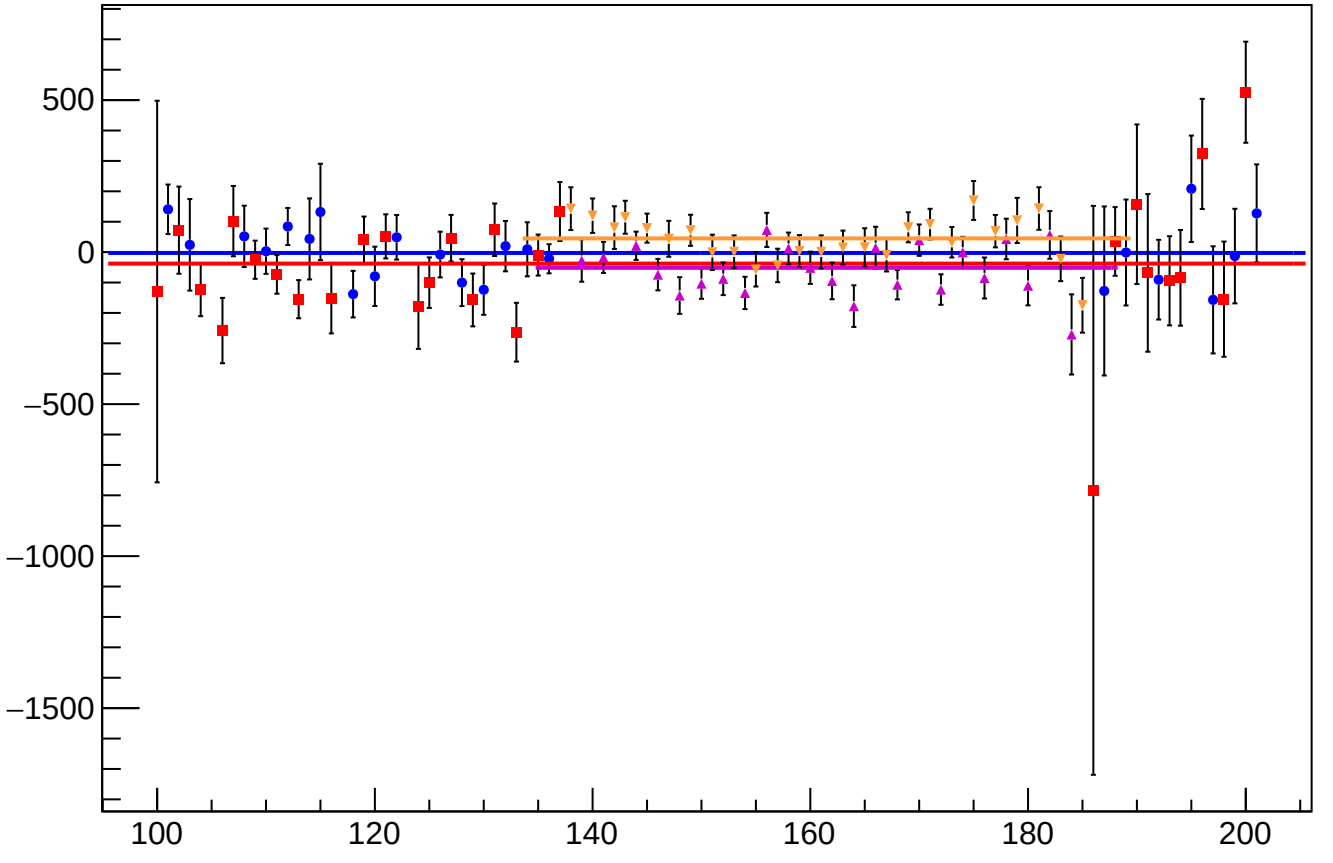
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 396.597+/-0.053 χ^2/NDF: 7640781.1/47

All: 398.604+/-0.038 χ^2/NDF: 16505438.6/98

- sign 400.676+/-0.054 χ^2/NDF: 8861777.5/50

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: -37.806+/-18.610 χ^2/NDF: 47.3/27

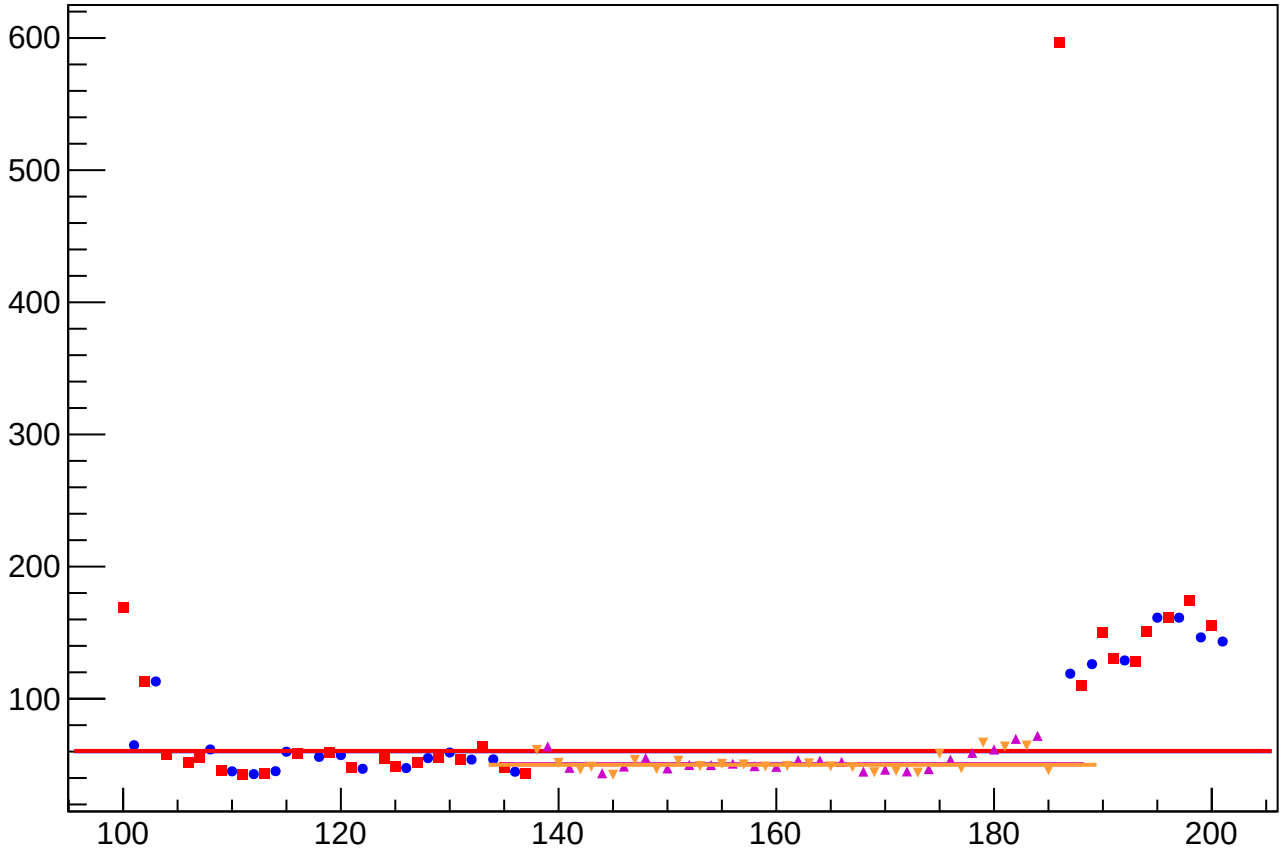
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.361+/-9.844 χ^2/NDF: 54.1/47

All: -6.820+/-7.030 χ^2/NDF: 170.0/98

- sign -47.594+/-10.043 χ^2/NDF: 83.6/50

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: 60.502+/-0.013 χ^2/NDF: 5546379.7/27

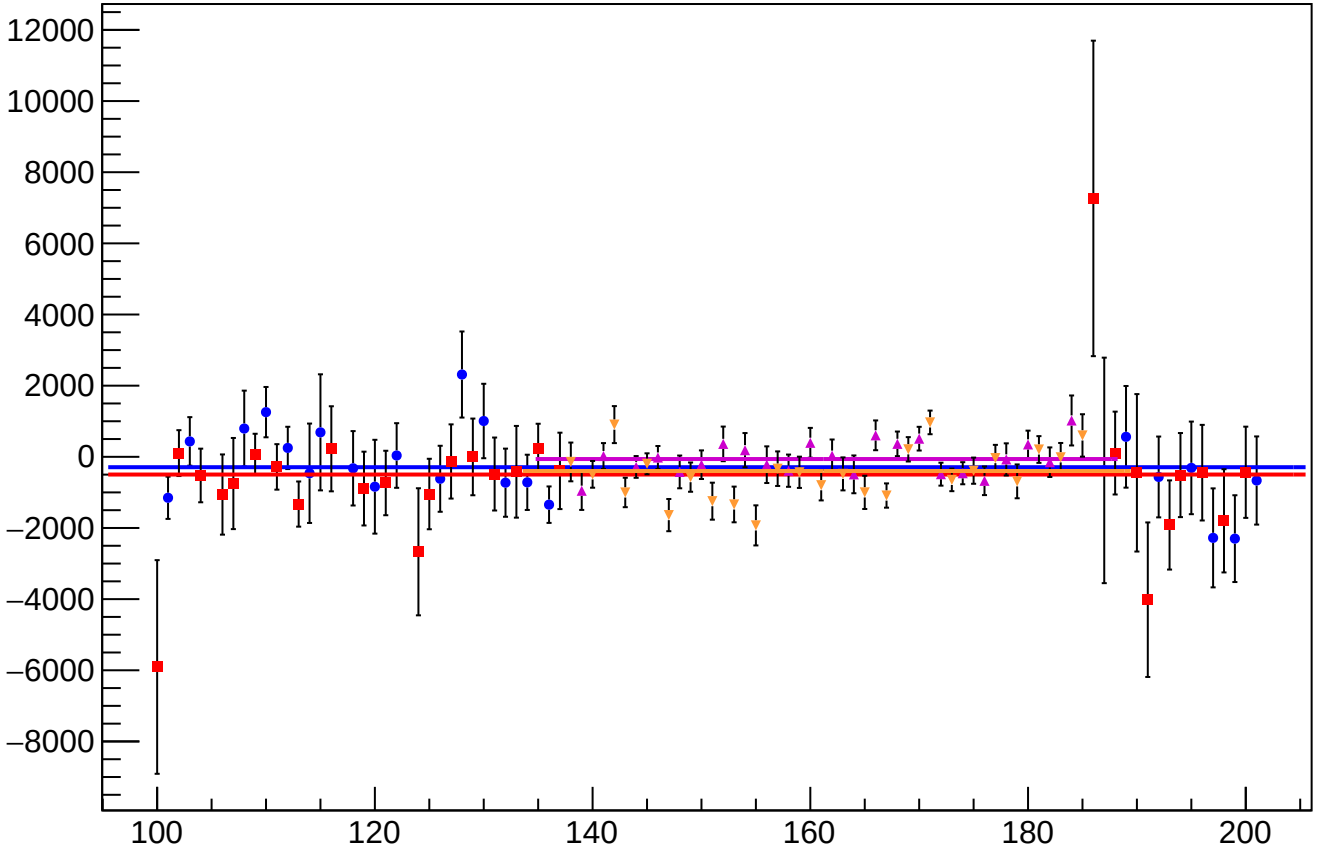
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.740+/-0.007 χ^2/NDF: 5216660.5/47

All: 53.074+/-0.005 χ^2/NDF: 11679673.9/98

- sign 53.422+/-0.007 χ^2/NDF: 6458317.8/50

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -291.664+/-191.031 χ^2/NDF: 26.9/22

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

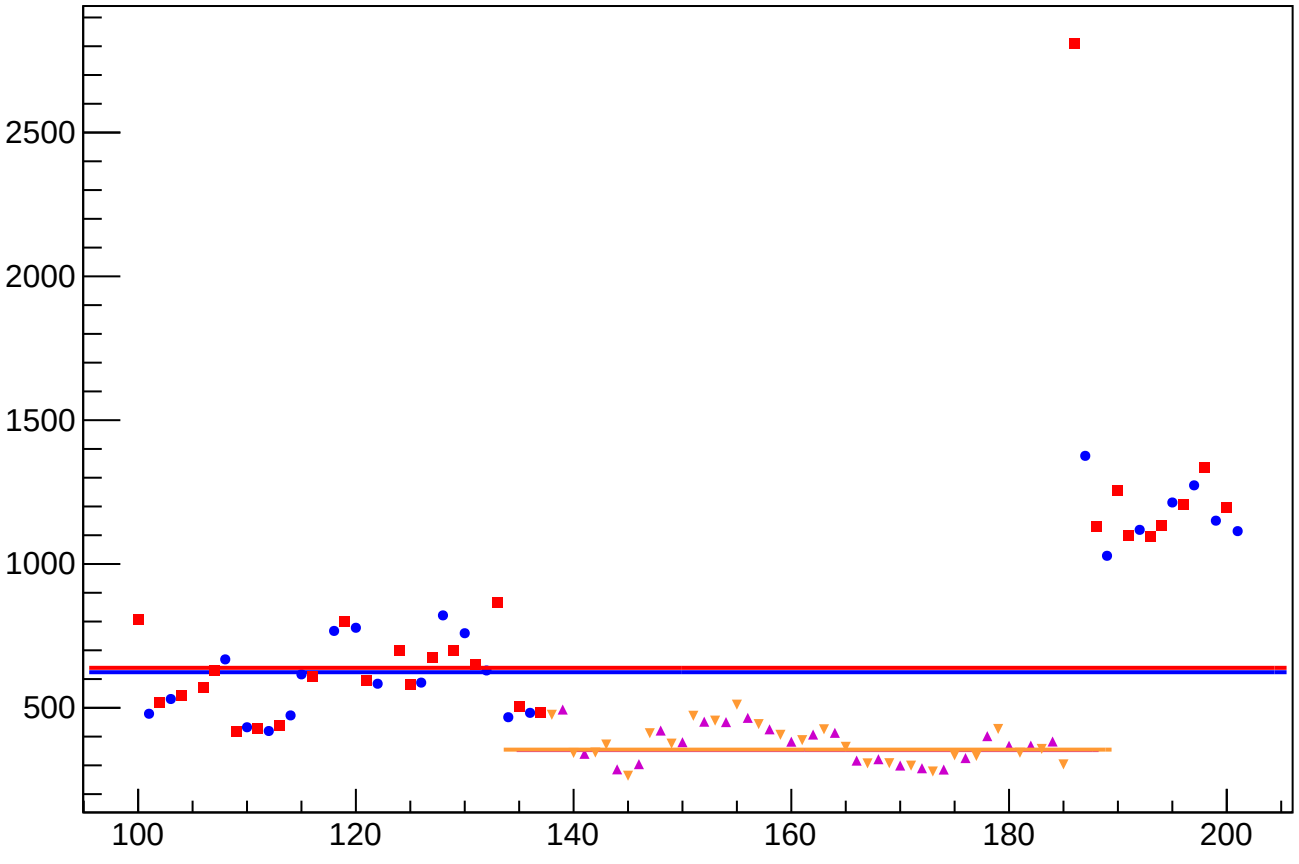
Right Out: -497.833+/-188.317 χ^2/NDF: 19.0/27

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -382.581+/-75.401 χ^2/NDF: 92.5/47

All: -260.403+/-53.746 χ^2/NDF: 145.3/98

- sign -134.202+/-76.632 χ^2/NDF: 47.4/50



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: 639.093+/-0.133 χ^2/NDF: 3985004.4/27

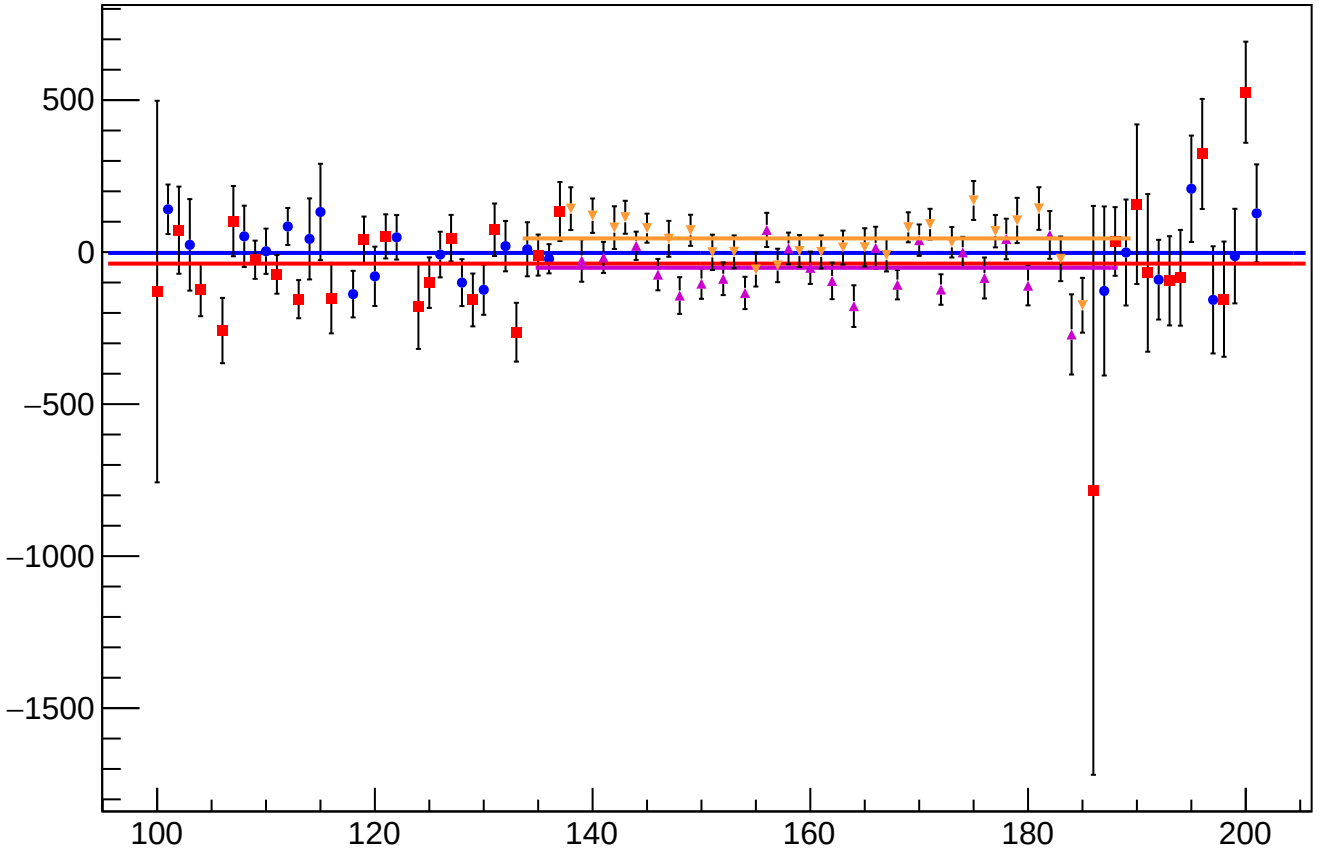
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 396.597+/-0.053 χ^2/NDF: 7640837.9/47

All: 398.500+/-0.038 χ^2/NDF: 16481206.9/98

- sign 400.467+/-0.054 χ^2/NDF: 8837777.7/50

eigen_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: -37.806+/-18.610 χ^2/NDF: 47.3/27

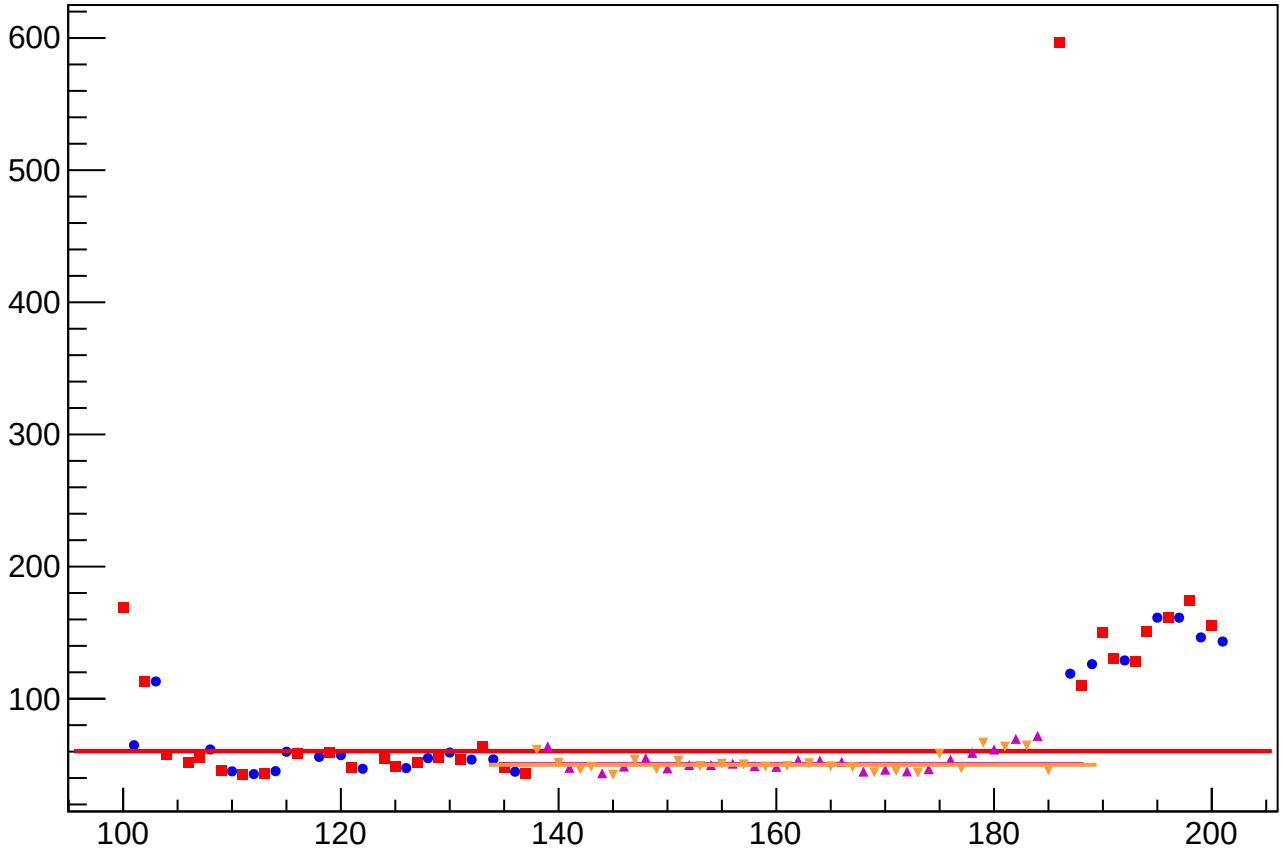
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.361+/-9.844 χ^2/NDF: 54.1/47

All: -6.820+/-7.030 χ^2/NDF: 170.0/98

- sign -47.594+/-10.043 χ^2/NDF: 83.6/50

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

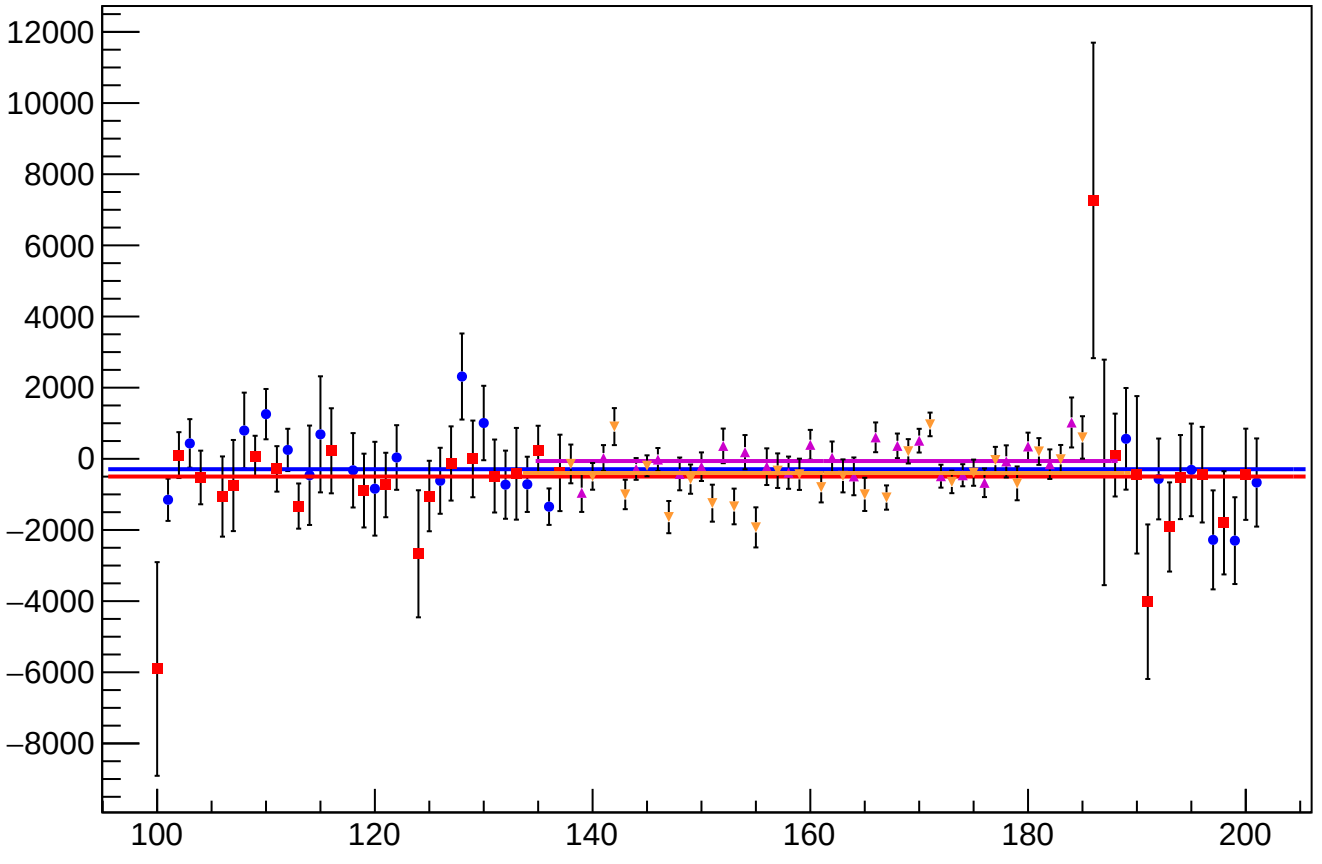
Right Out: 60.502+/-0.013 χ^2/NDF: 5546379.7/27

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.740+/-0.007 χ^2/NDF: 5216660.5/47

All: 53.074+/-0.005 χ^2/NDF: 11679673.9/98

- sign 53.422+/-0.007 χ^2/NDF: 6458317.8/50



Right In: -291.664+/-191.031 χ^2/NDF: 26.9/22

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

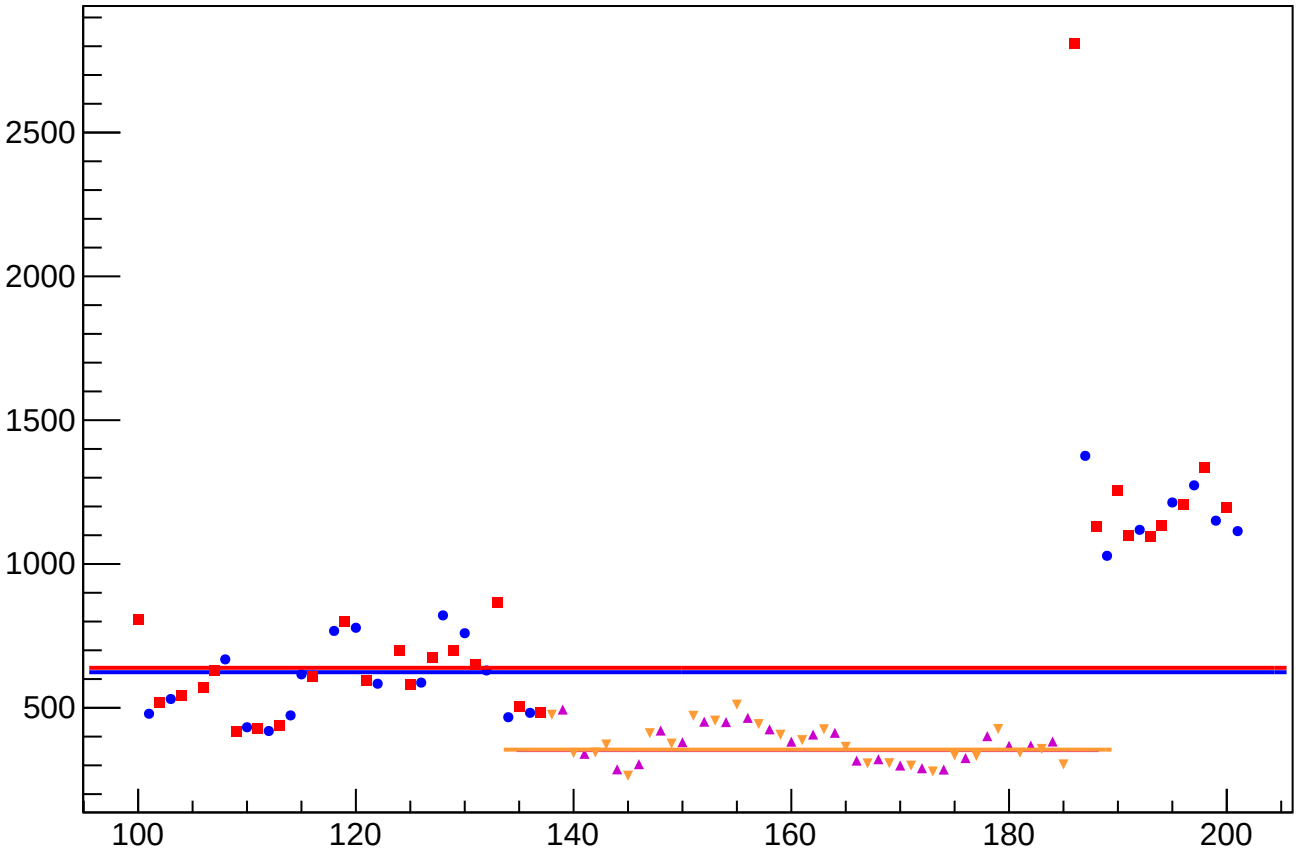
Right Out: -497.833+/-188.317 χ^2/NDF: 19.0/27

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -382.581+/-75.401 χ^2/NDF: 92.5/47

All: -260.403+/-53.746 χ^2/NDF: 145.3/98

- sign -134.202+/-76.632 χ^2/NDF: 47.4/50



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: 639.093+/-0.133 χ^2/NDF: 3985004.4/27

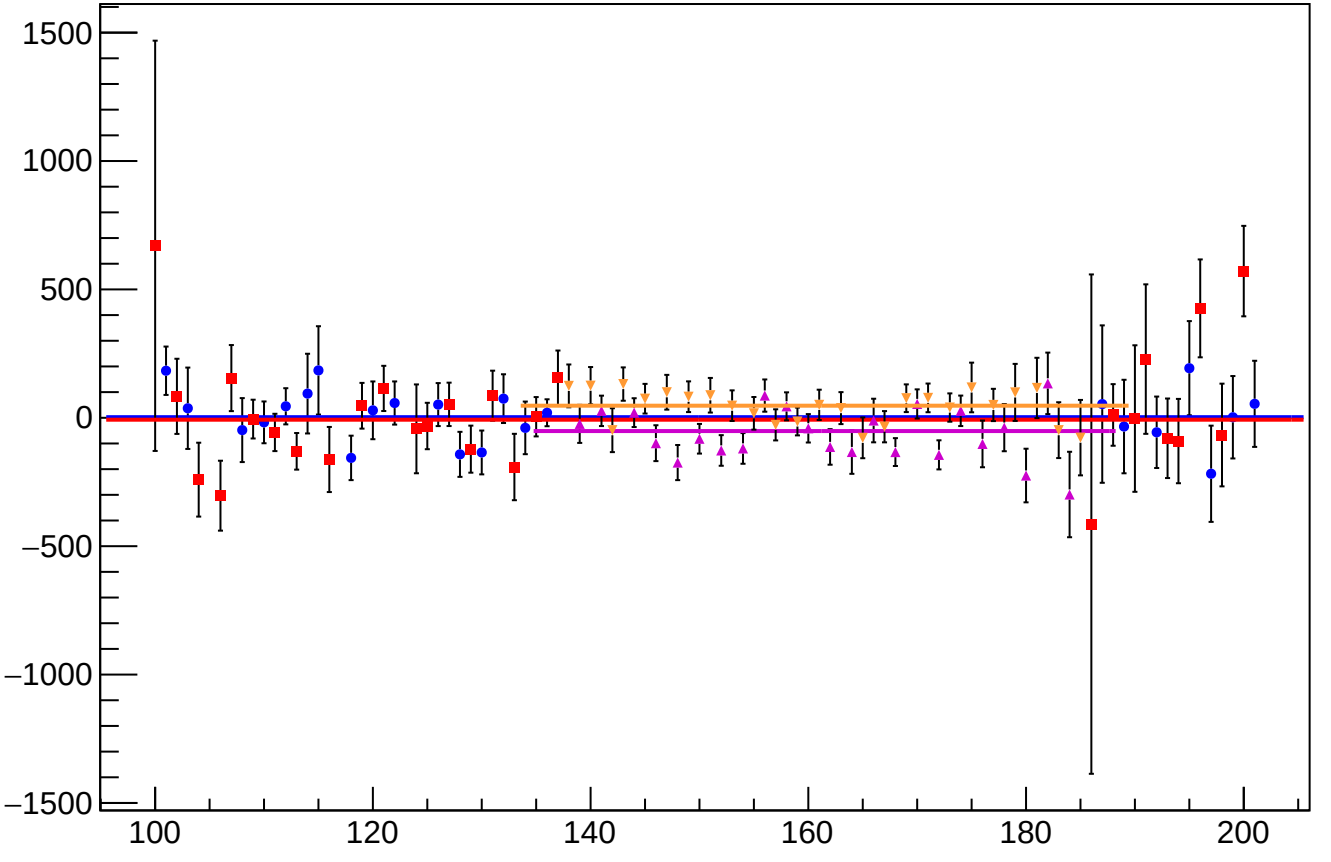
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 396.597+/-0.053 χ^2/NDF: 7640837.9/47

All: 398.500+/-0.038 χ^2/NDF: 16481206.9/98

- sign 400.467+/-0.054 χ^2/NDF: 8837777.7/50

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: -7.416+/-21.383 χ^2/NDF: 42.2/27

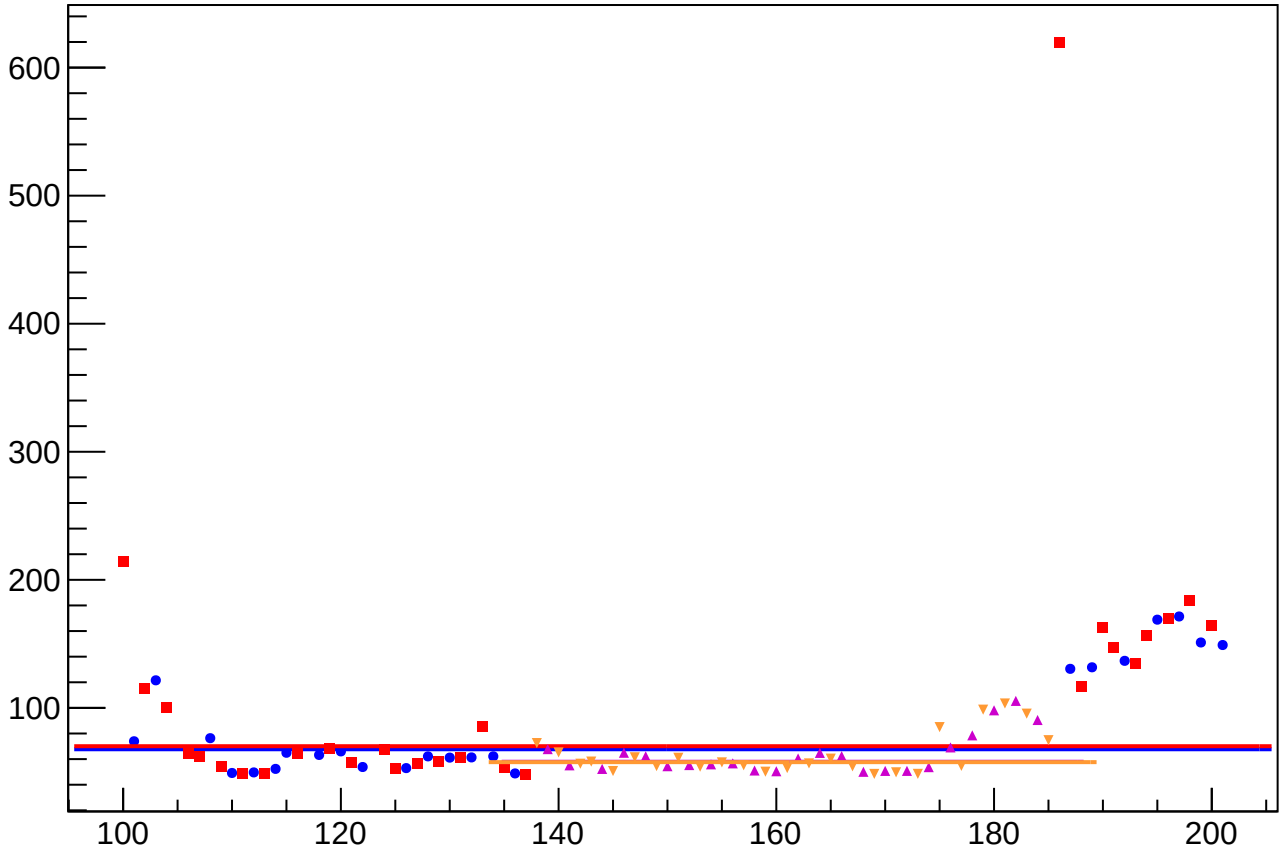
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 34.313+/-11.410 χ^2/NDF: 39.1/47

All: -1.244+/-8.160 χ^2/NDF: 142.4/98

- sign -38.467+/-11.674 χ^2/NDF: 83.4/50

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: 70.073+/-0.015 χ^2/NDF: 5186030.9/27

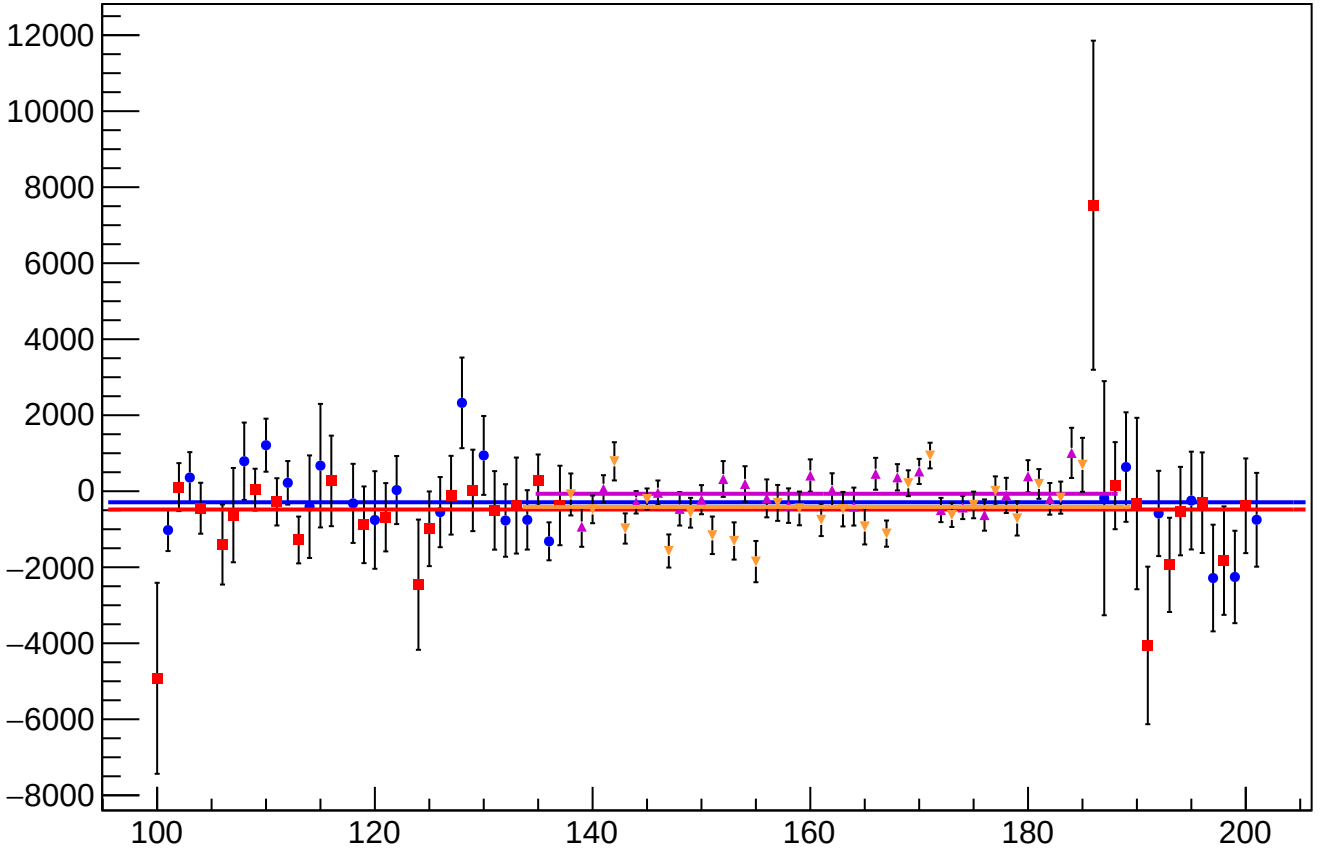
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 60.518+/-0.008 χ^2/NDF: 5660371.6/47

All: 61.025+/-0.006 χ^2/NDF: 12430996.0/98

- sign 61.556+/-0.008 χ^2/NDF: 6762534.5/50

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: -480.194+/-182.254 χ^2/NDF: 20.4/27

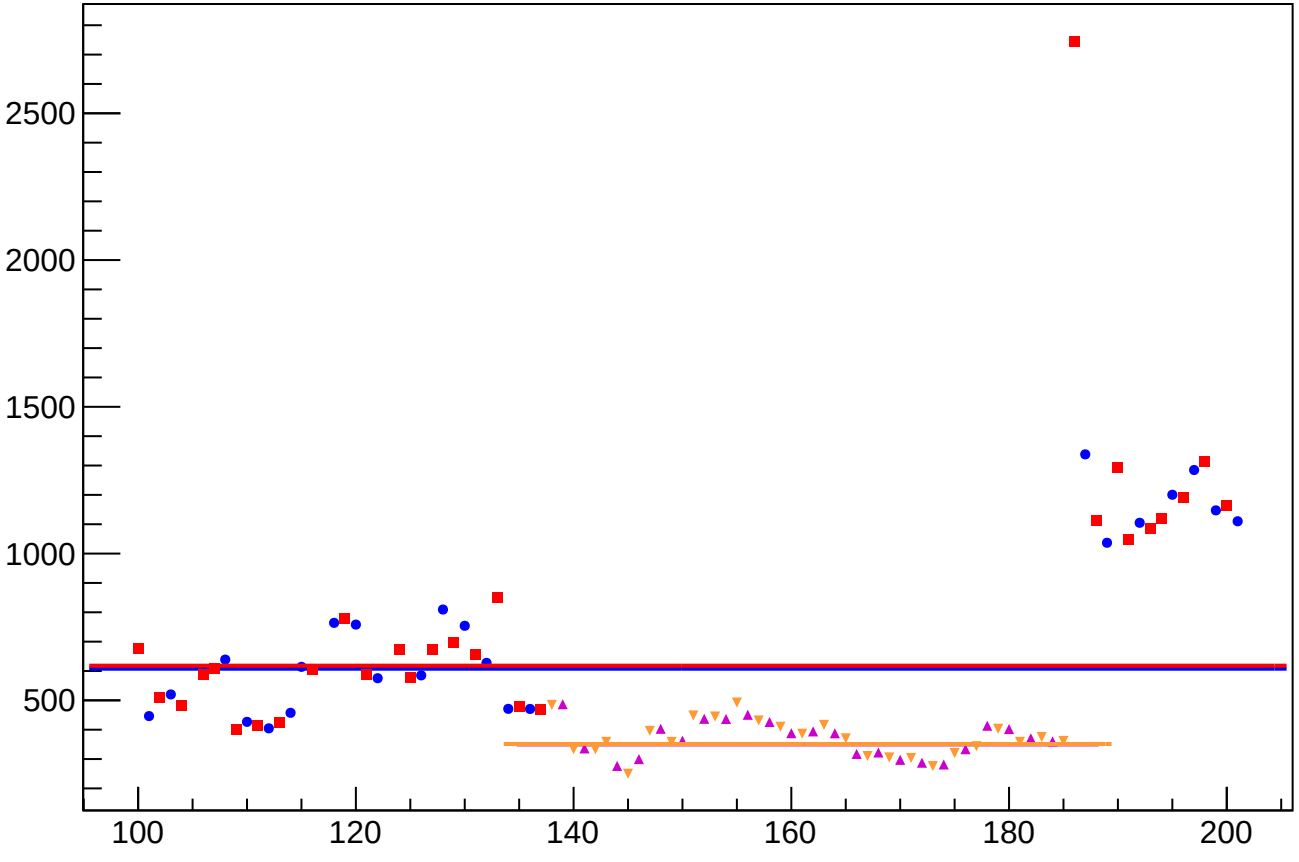
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -393.544+/-74.414 χ^2/NDF: 88.0/47

All: -267.685+/-53.032 χ^2/NDF: 141.3/98

- sign -137.791+/-75.597 χ^2/NDF: 47.5/50

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: 618.138+/-0.129 χ^2/NDF: 4149620.8/27

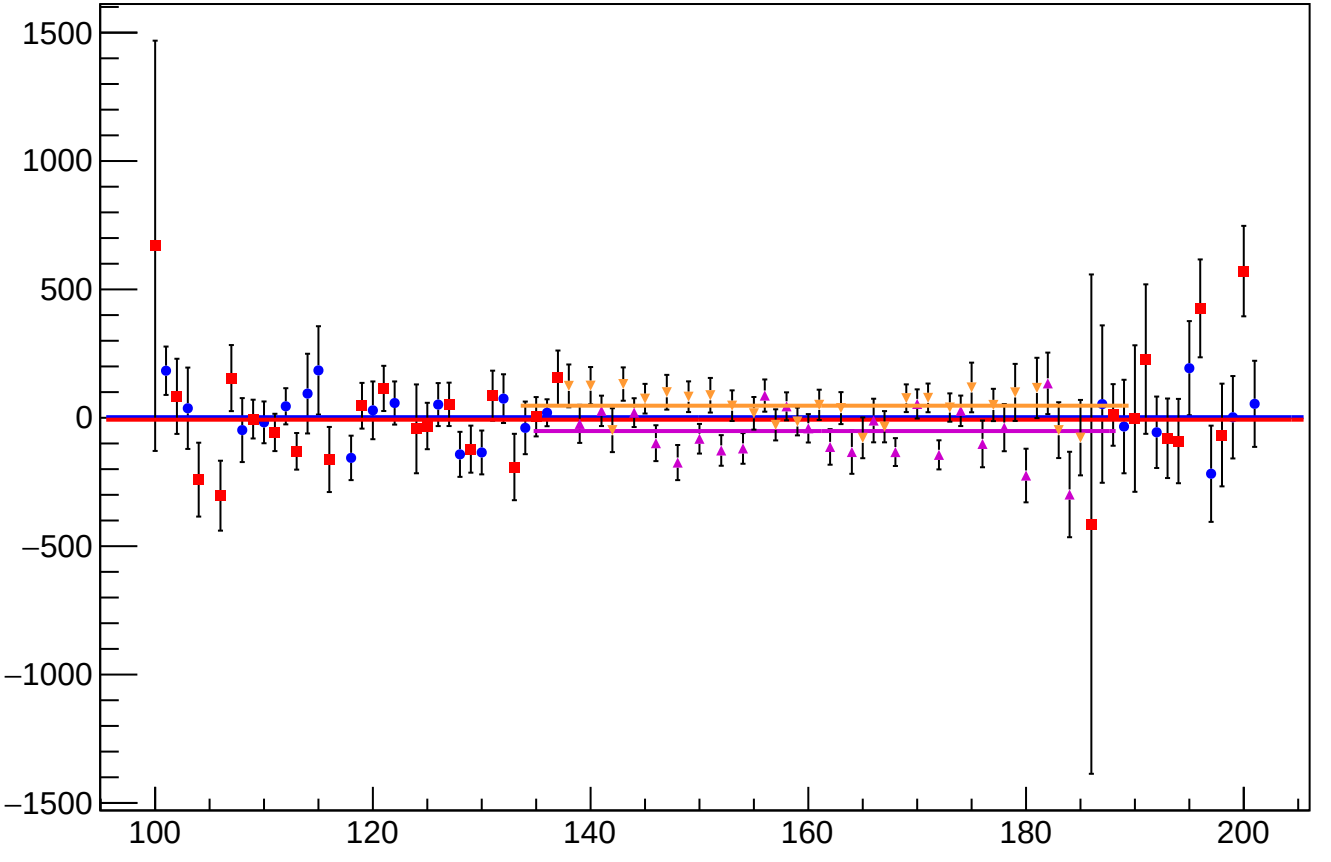
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 392.003+/-0.053 χ^2/NDF: 7595582.0/47

All: 393.960+/-0.037 χ^2/NDF: 16327630.6/98

- sign 395.979+/-0.053 χ^2/NDF: 8729239.0/50

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: -7.415+/-21.383 χ^2/NDF: 42.2/27

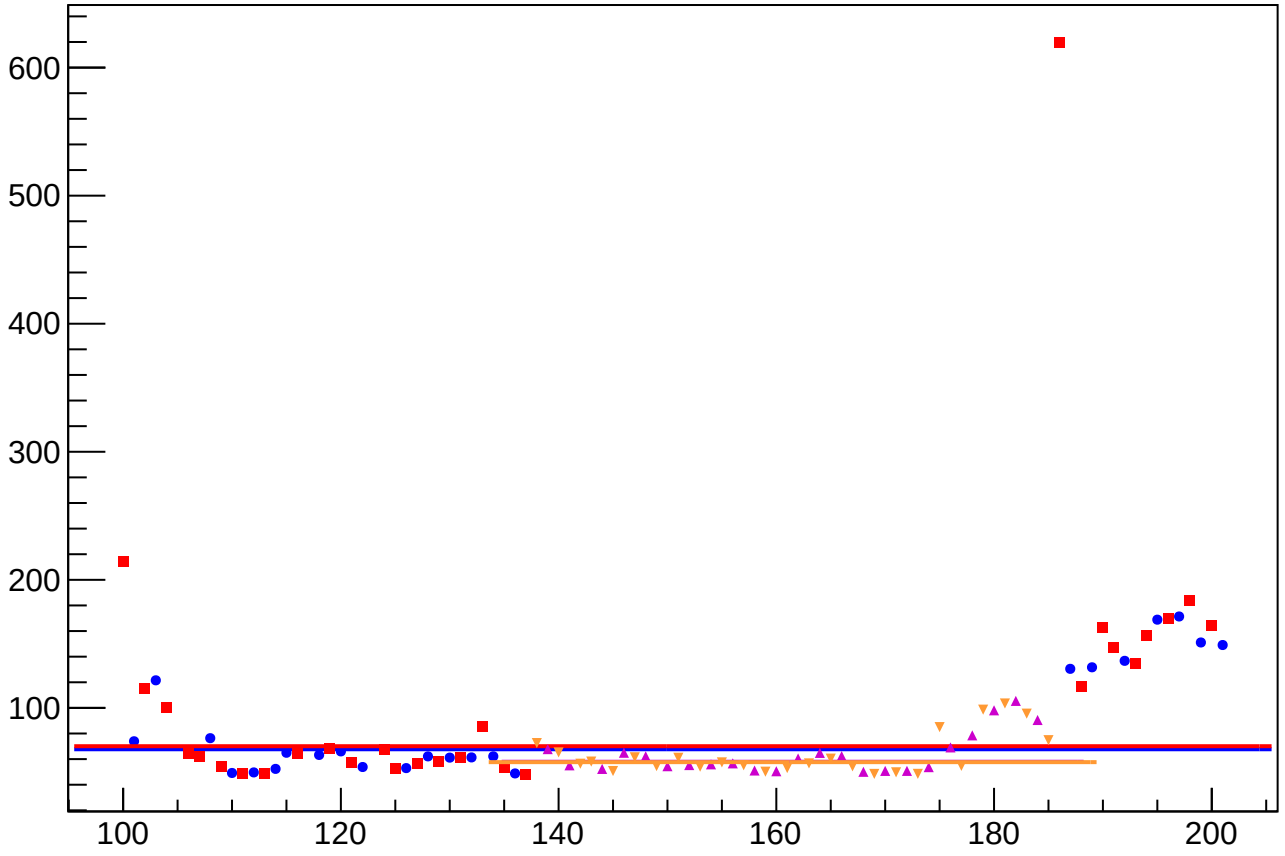
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 34.313+/-11.410 χ^2/NDF: 39.1/47

All: -1.244+/-8.160 χ^2/NDF: 142.4/98

- sign -38.466+/-11.674 χ^2/NDF: 83.4/50

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

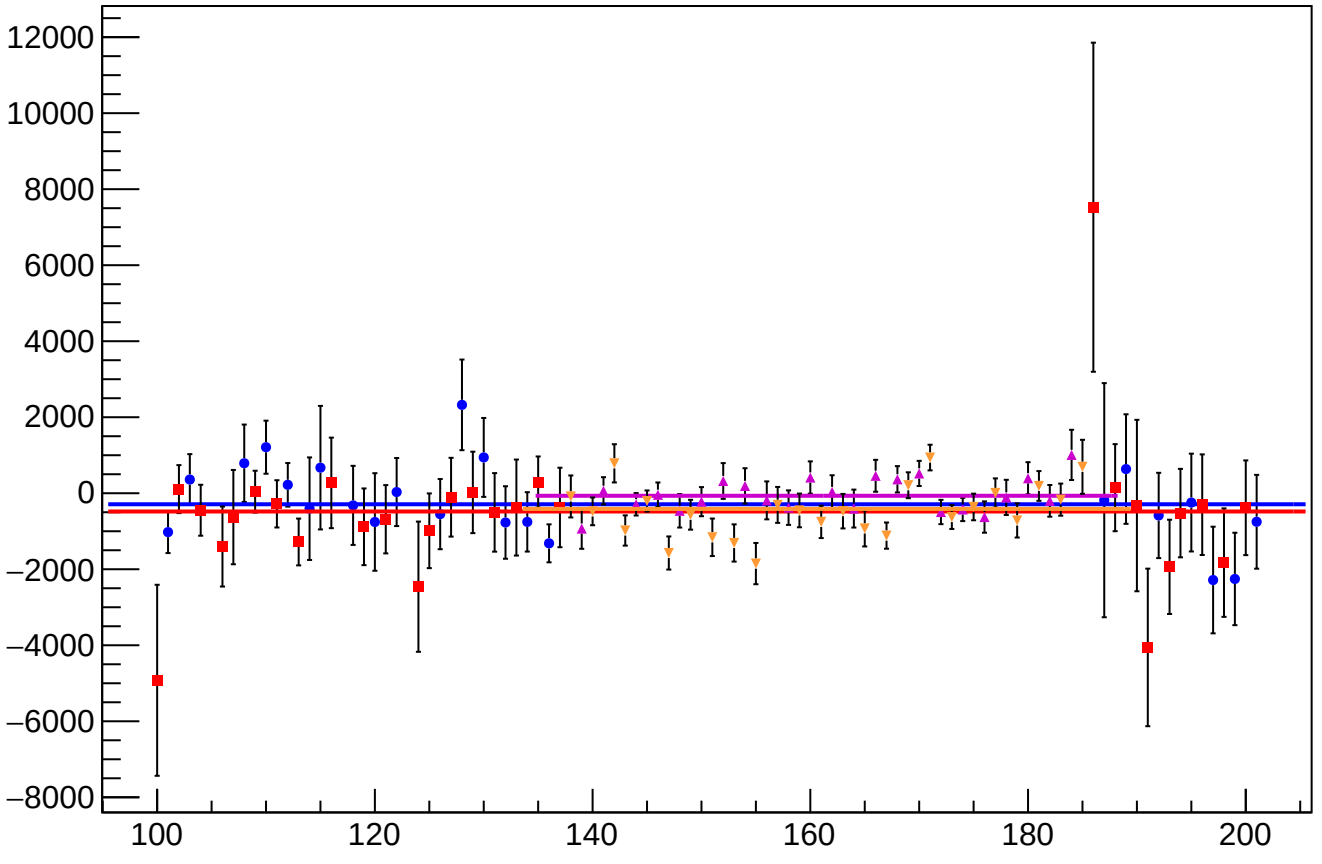
Right Out: 70.073+/-0.015 χ^2/NDF: 5186023.1/27

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 60.518+/-0.008 χ^2/NDF: 5660353.0/47

All: 61.025+/-0.006 χ^2/NDF: 12430957.0/98

- sign 61.556+/-0.008 χ^2/NDF: 6762513.6/50



Right In: -290.194+/-186.742 χ^2/NDF: 26.3/22

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

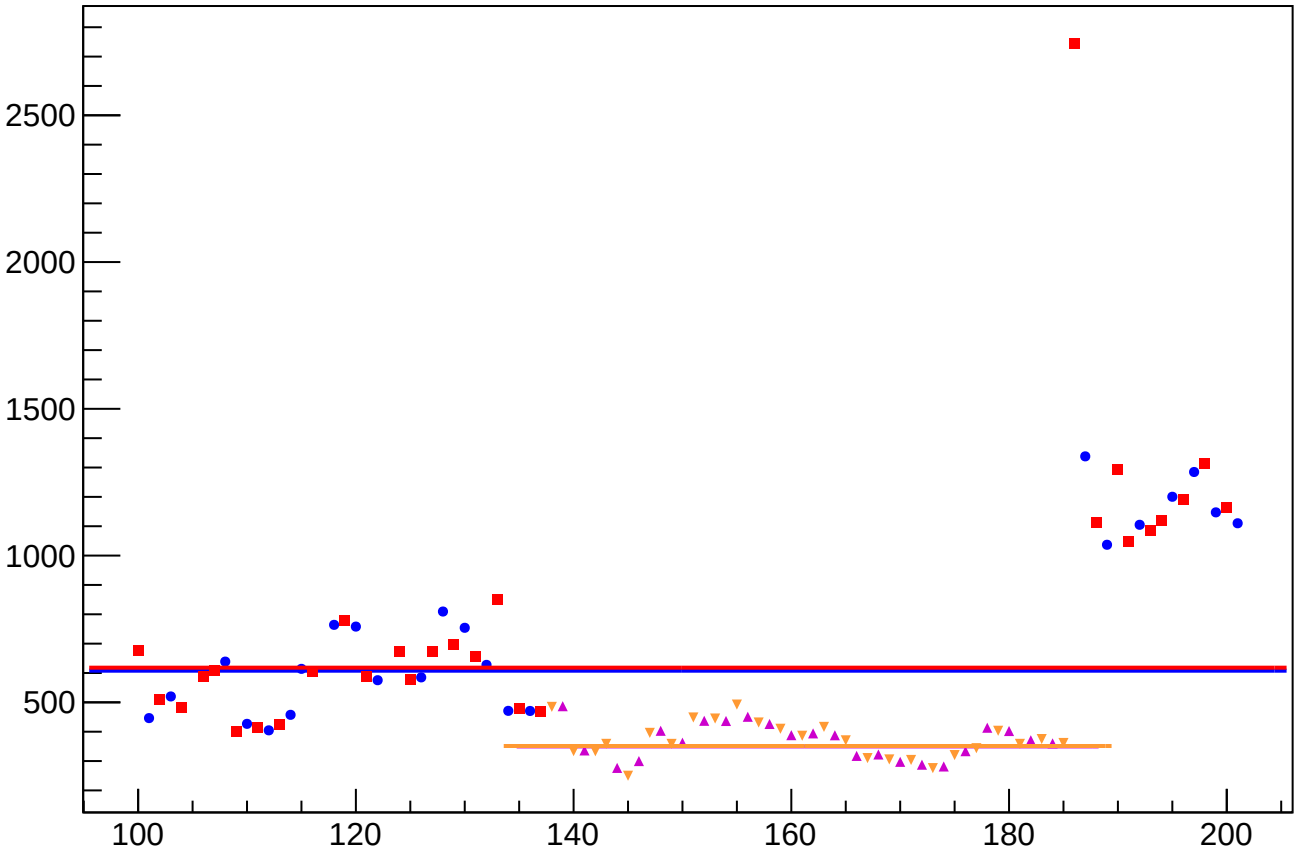
Right Out: -480.193+/-182.253 χ^2/NDF: 20.4/27

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -393.544+/-74.414 χ^2/NDF: 88.0/47

All: -267.684+/-53.032 χ^2/NDF: 141.3/98

- sign -137.790+/-75.597 χ^2/NDF: 47.5/50



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: 618.137+/-0.129 χ^2/NDF: 4149625.1/27

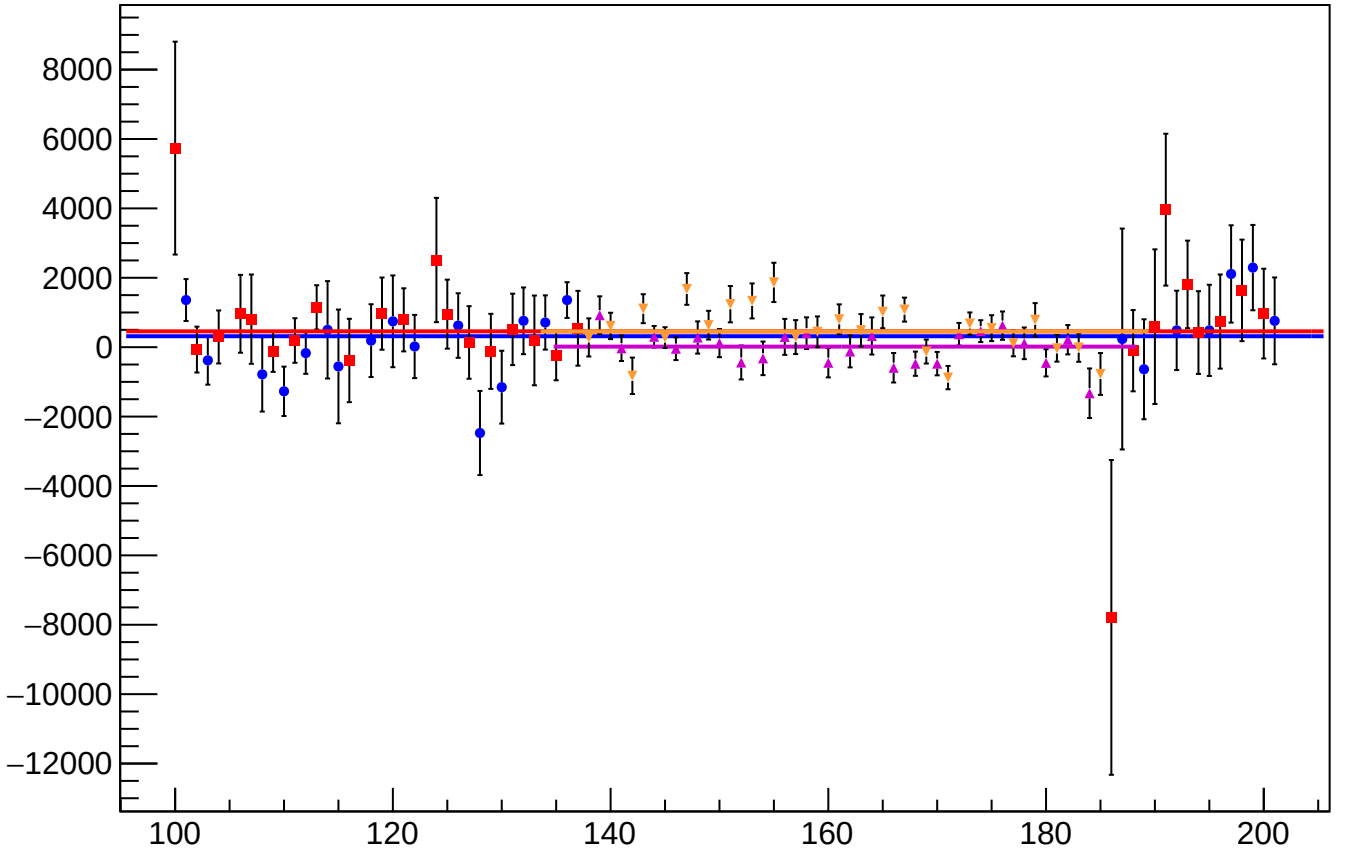
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 392.003+/-0.053 χ^2/NDF: 7595572.8/47

All: 393.959+/-0.037 χ^2/NDF: 16327603.7/98

- sign 395.979+/-0.053 χ^2/NDF: 8729221.0/50

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: 457.194+/-189.702 χ^2/NDF: 18.2/27

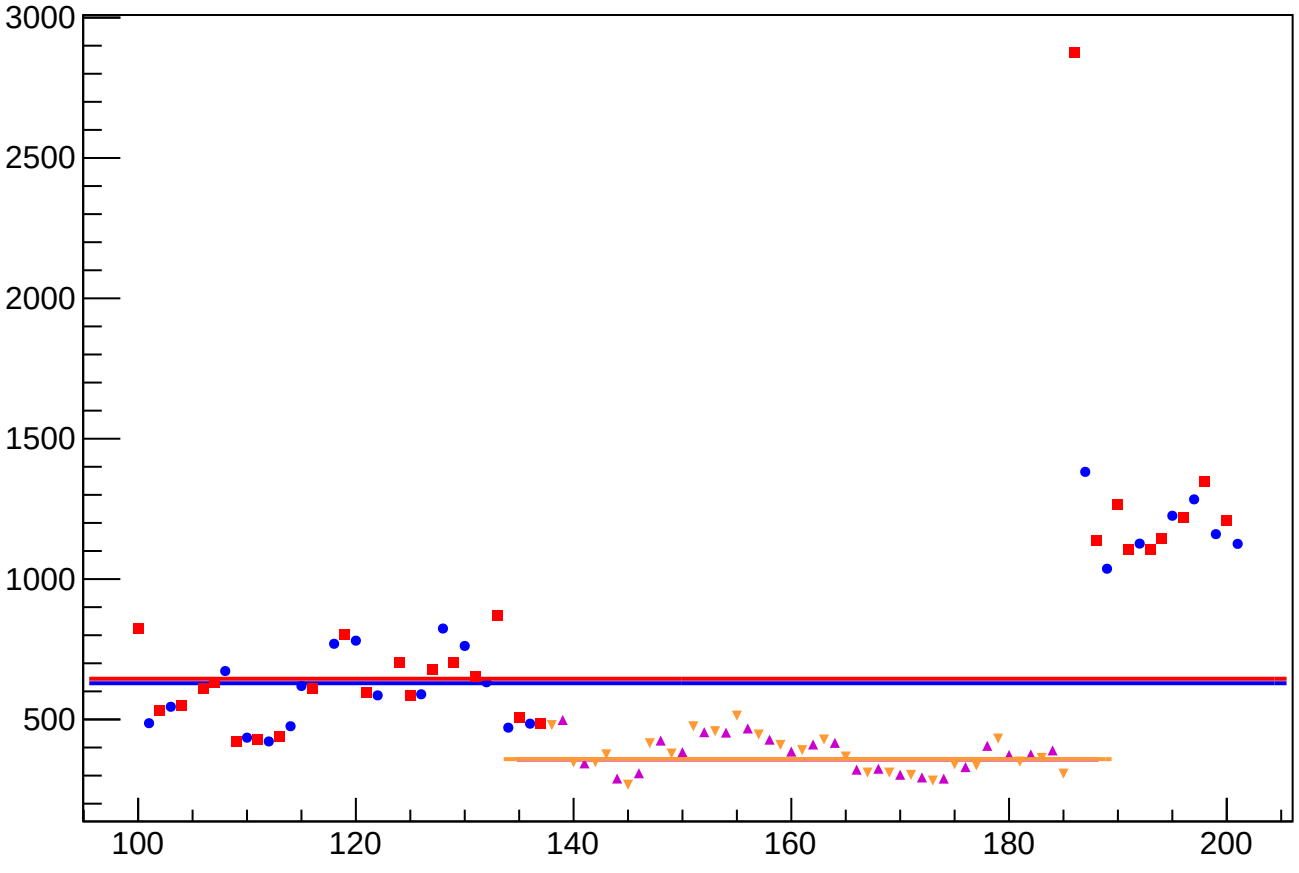
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 433.325+/-76.192 χ^2/NDF: 89.2/47

All: 264.246+/-54.312 χ^2/NDF: 146.8/98

- sign 89.583+/-77.440 χ^2/NDF: 47.6/50

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

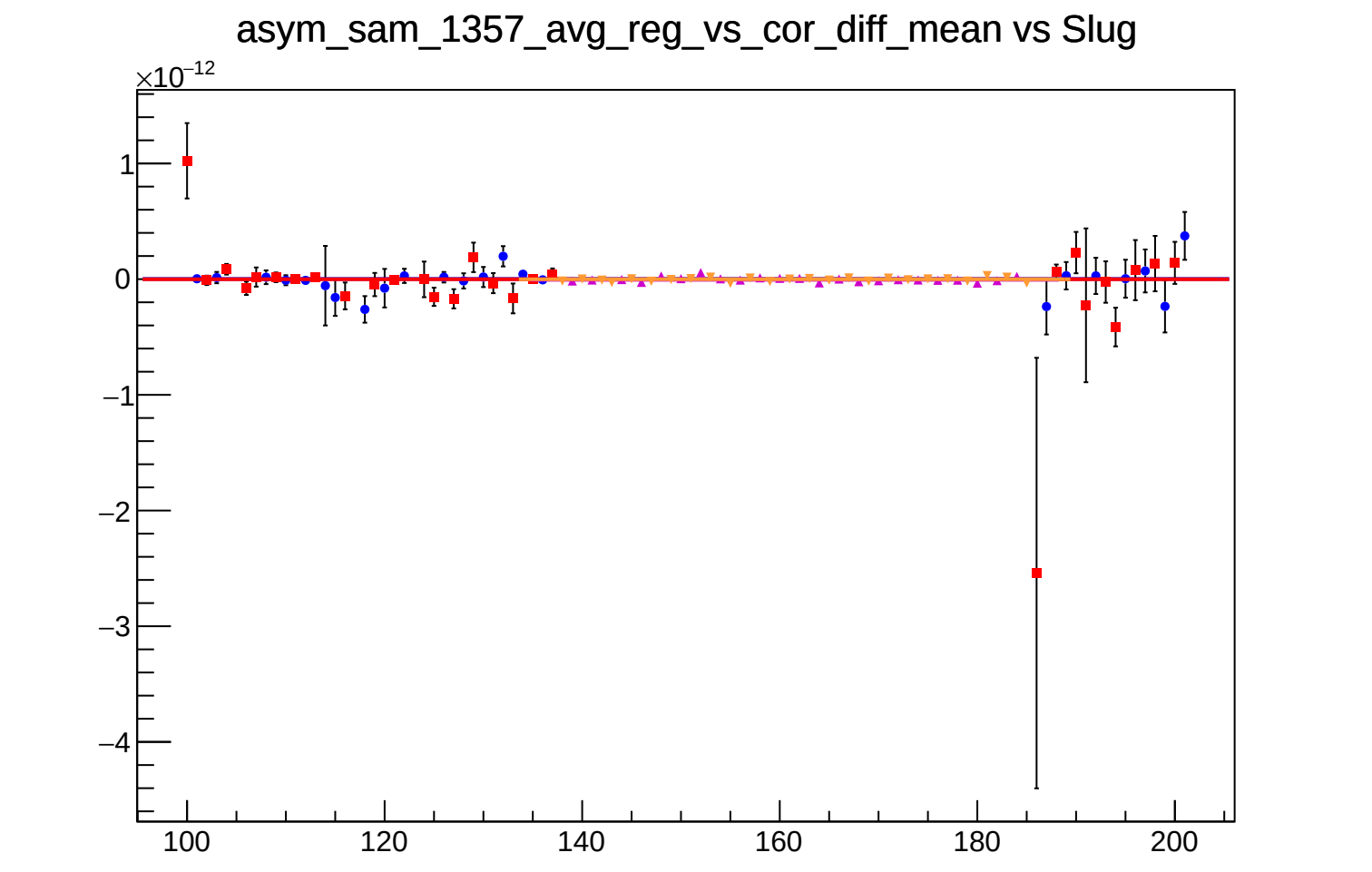
Right Out: 644.979+/-0.134 χ^2/NDF: 3979538.3/27

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 400.985+/-0.054 χ^2/NDF: 7578424.4/47

All: 403.030+/-0.038 χ^2/NDF: 16378618.2/98

- sign 405.142+/-0.055 χ^2/NDF: 8797265.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/22

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

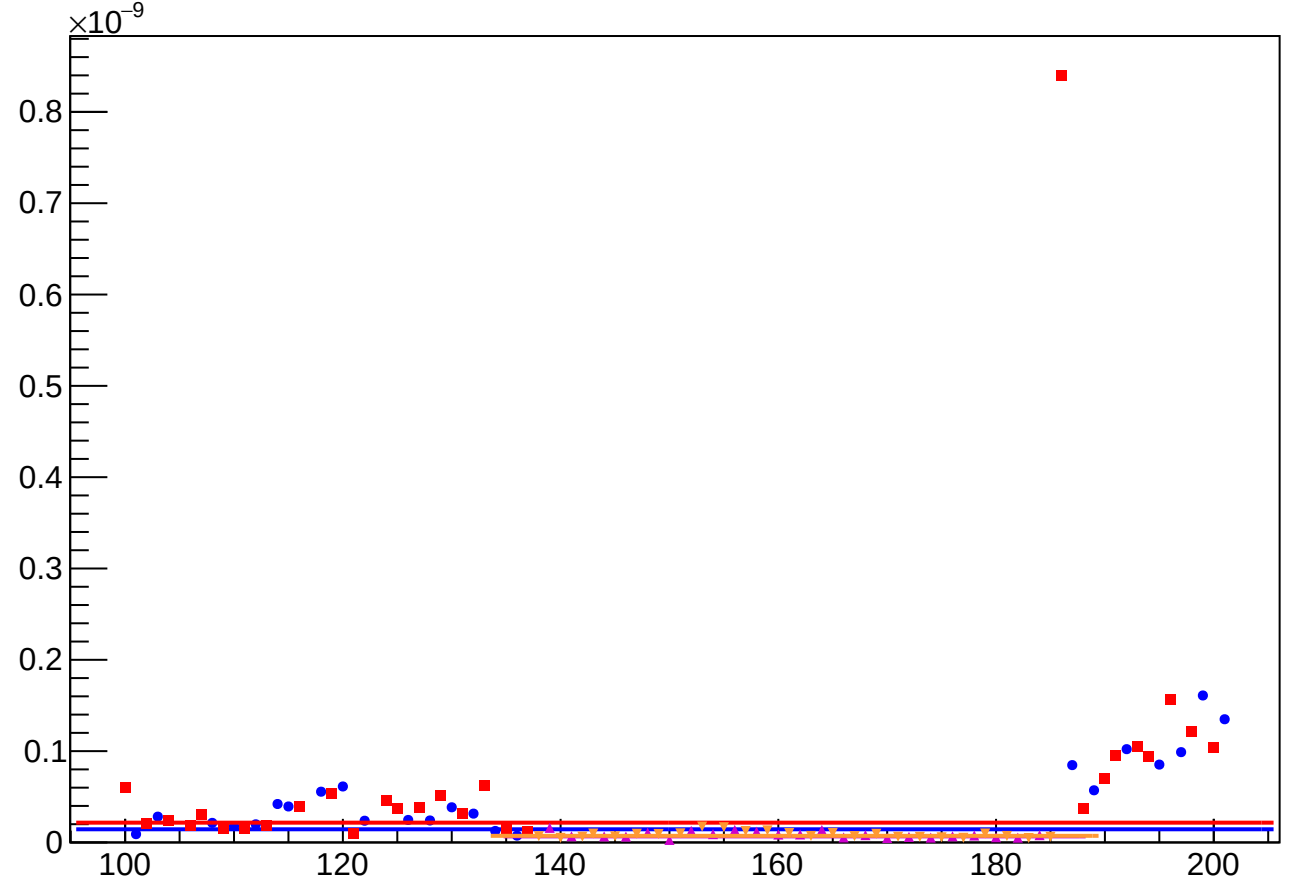
Right Out: -0.000+/-0.000 χ^2/NDF: 41.7/27

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: 109.3/98

- sign -0.000+/-0.000 χ^2/NDF: 70.4/50



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: 4218252.5/27

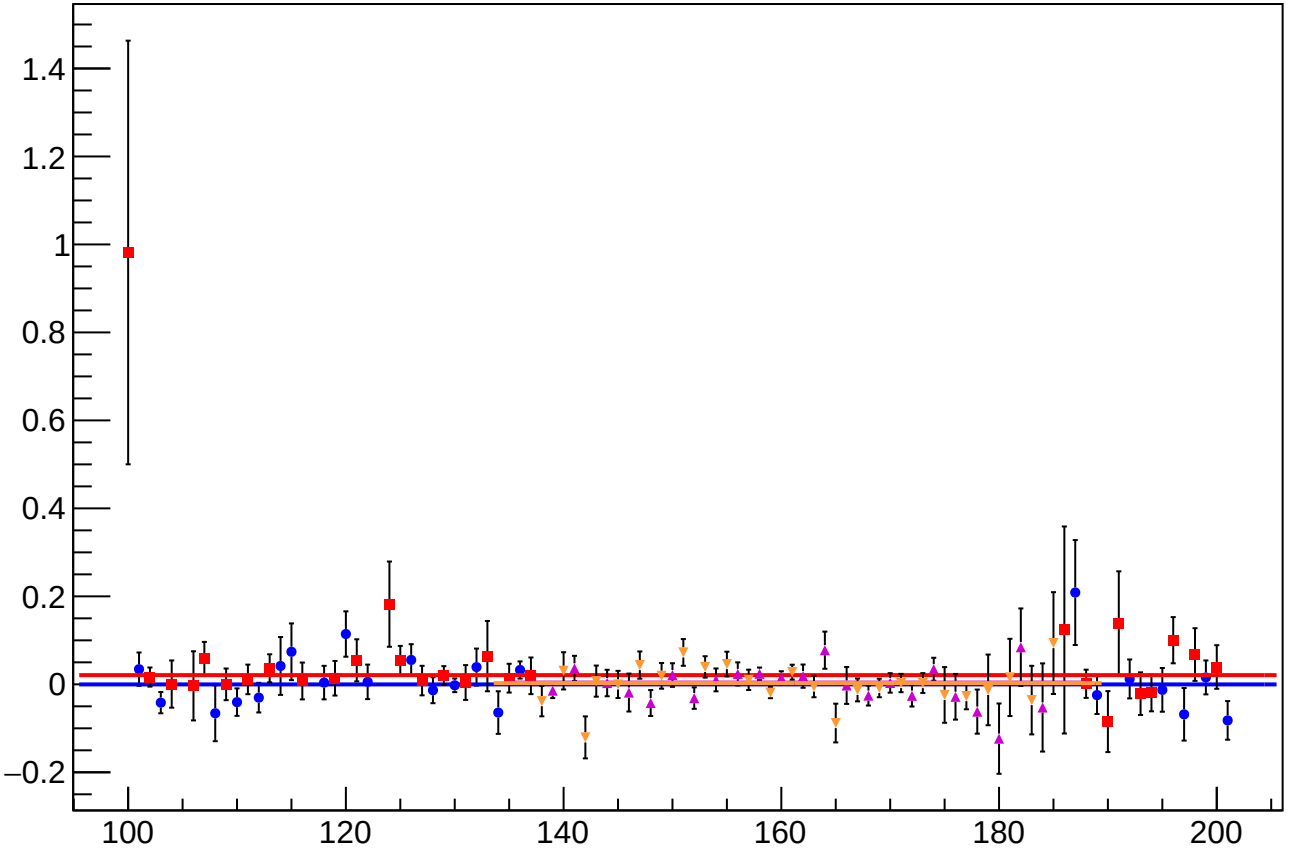
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7776795.3/47

All: 0.000+/-0.000 χ^2/NDF: 16831853.5/98

- sign 0.000+/-0.000 χ^2/NDF: 9029271.5/50

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: 0.021+/-0.008 χ^2/NDF: 19.4/27

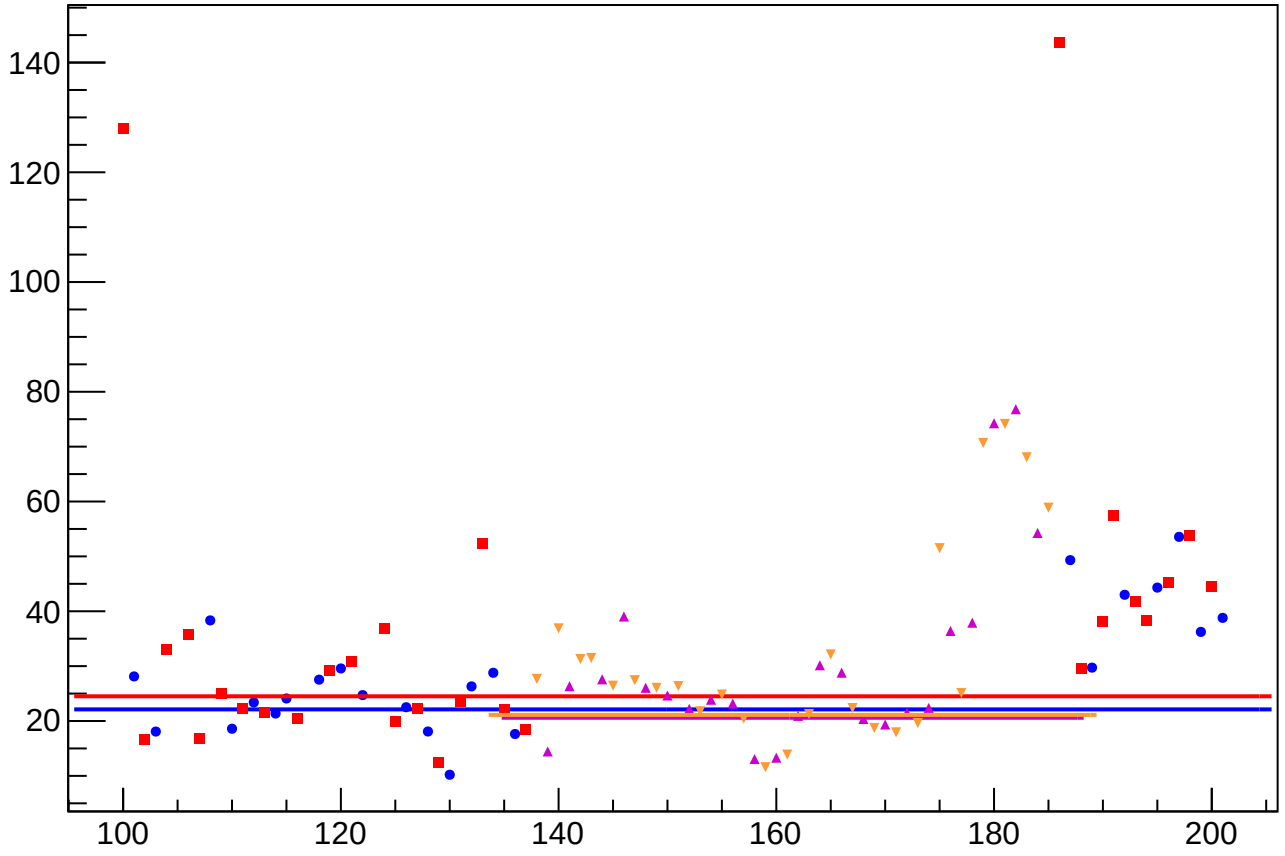
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 63.5/47

All: 0.006+/-0.003 χ^2/NDF: 112.4/98

- sign 0.010+/-0.004 χ^2/NDF: 47.3/50

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

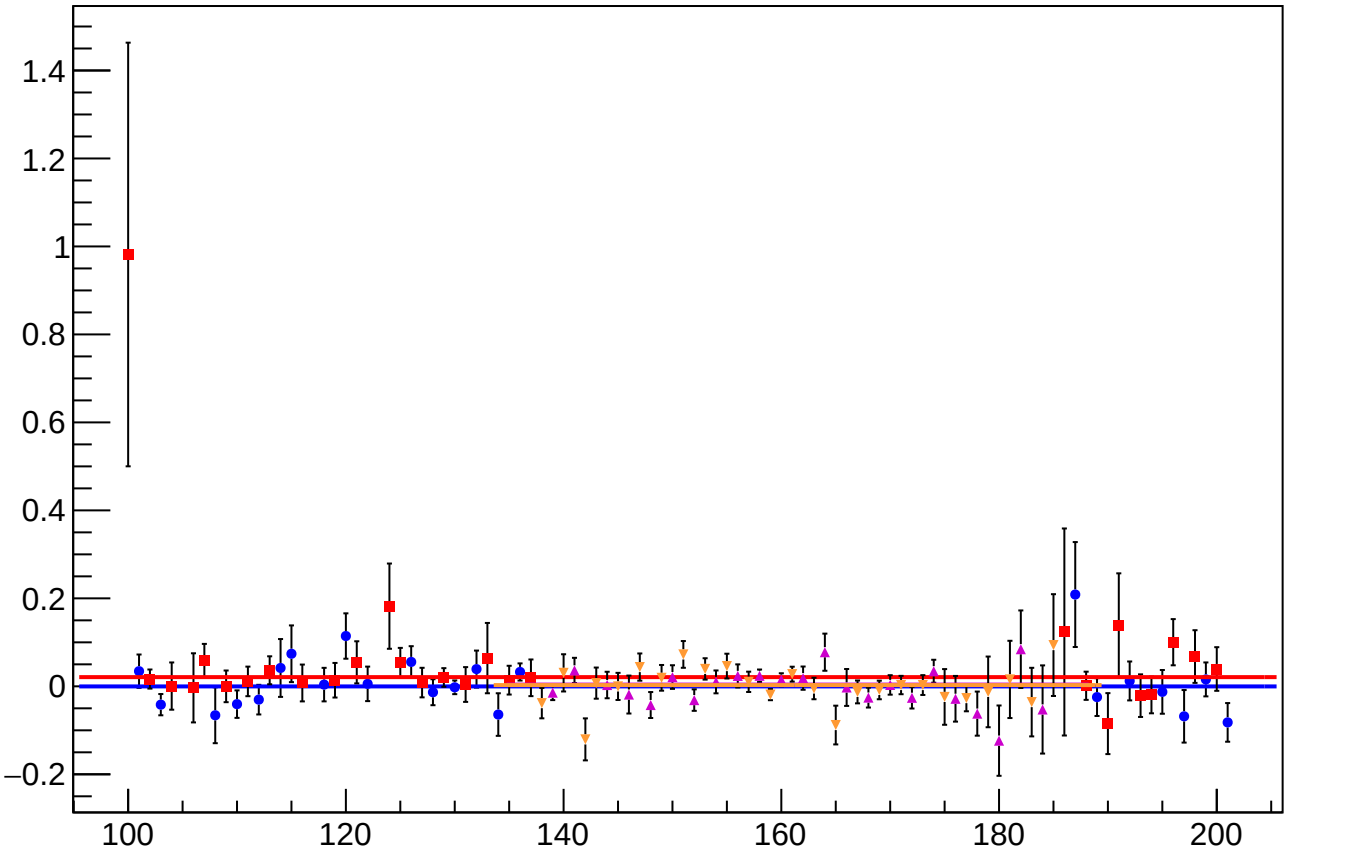
Right Out: 24.504+/-0.005 χ^2/NDF: 4062080.6/27

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.478+/-0.003 χ^2/NDF: 9421621.0/47

All: 21.693+/-0.002 χ^2/NDF: 18444097.3/98

- sign 21.916+/-0.003 χ^2/NDF: 9012480.2/50



Right In: -0.000+/-0.007 χ^2/NDF: 30.5/22

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

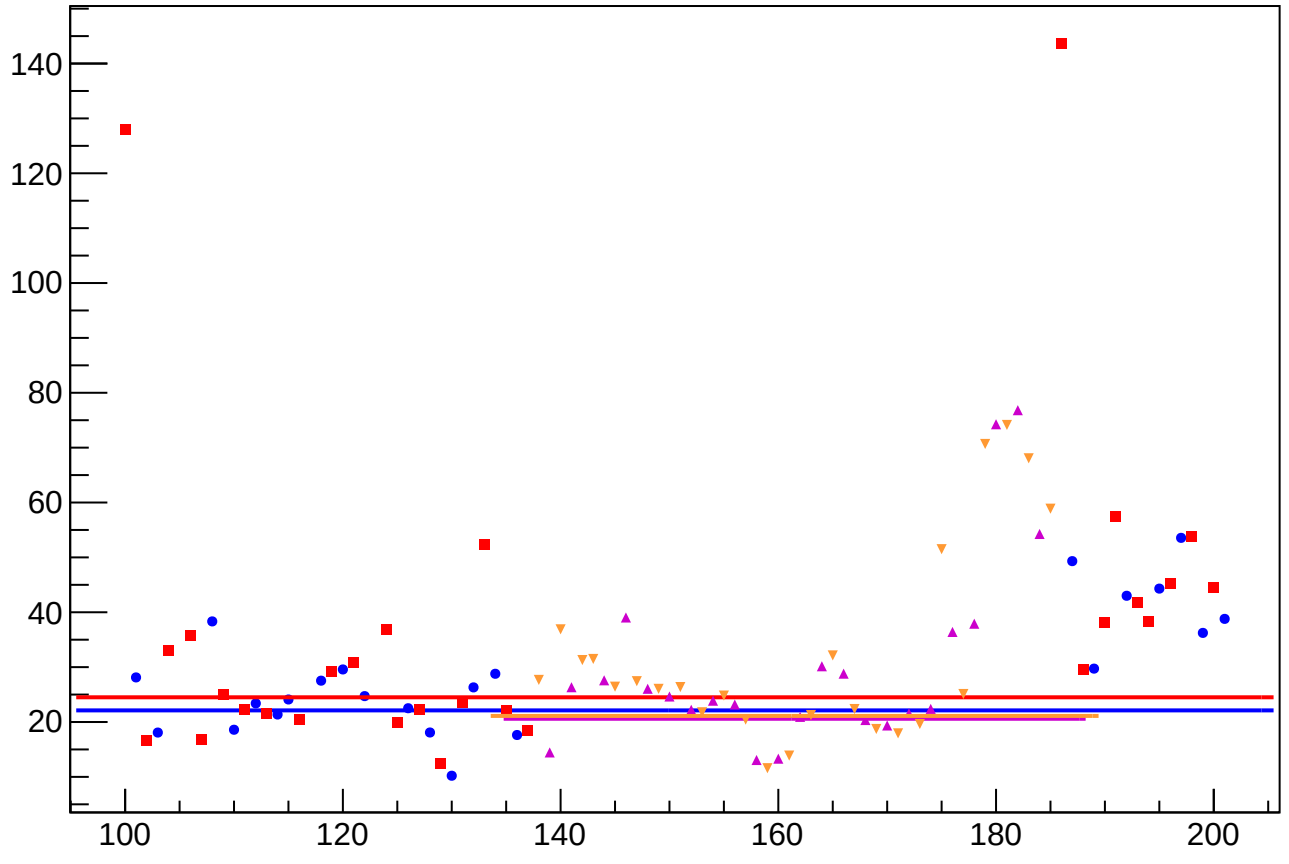
Right Out: 0.021+/-0.008 χ^2/NDF: 19.4/27

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: 112.4/98

- sign 0.010+/-0.004 χ^2/NDF: 47.3/50



Right In: 22.118+/-0.005 χ^2/NDF: 3850017.7/22

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

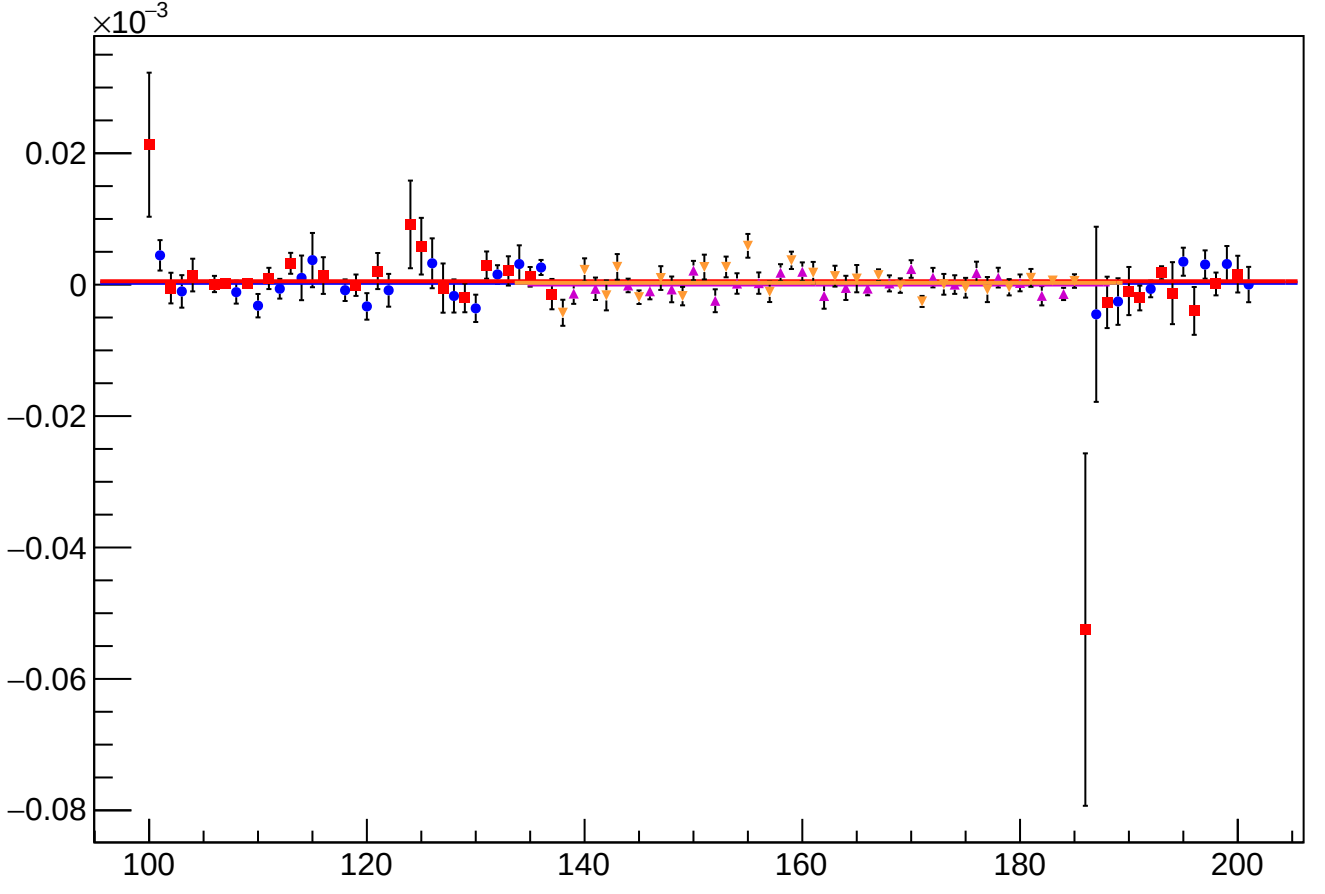
Right Out: 24.504+/-0.005 χ^2/NDF: 4062080.6/27

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.478+/-0.003 χ^2/NDF: 9421621.0/47

All: 21.693+/-0.002 χ^2/NDF: 18444097.3/98

- sign 21.916+/-0.003 χ^2/NDF: 9012480.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/22

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

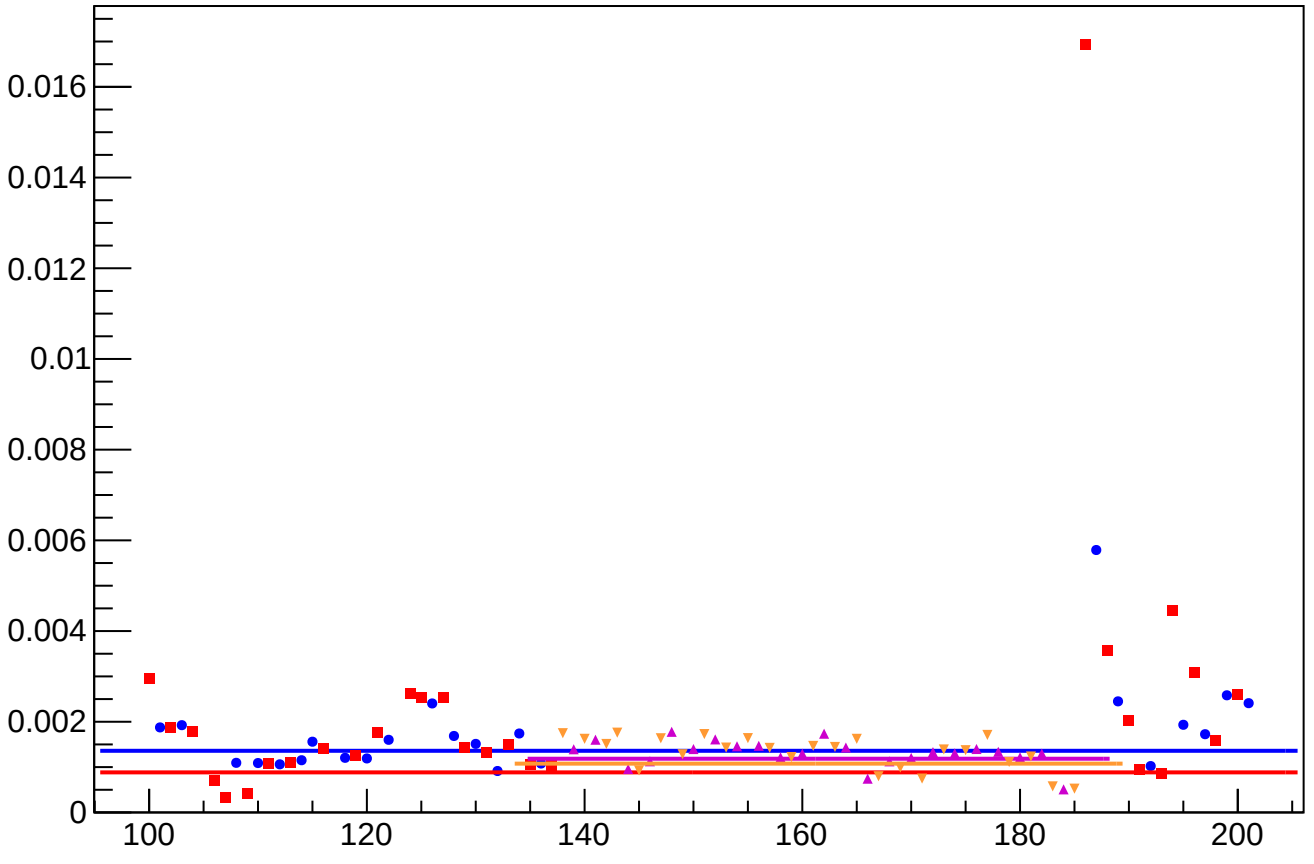
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/27

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: 129.7/98

- sign 0.000+/-0.000 χ^2/NDF: 47.0/50



Right In: 0.001+/-0.000 χ^2/NDF: 2446099.9/22

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

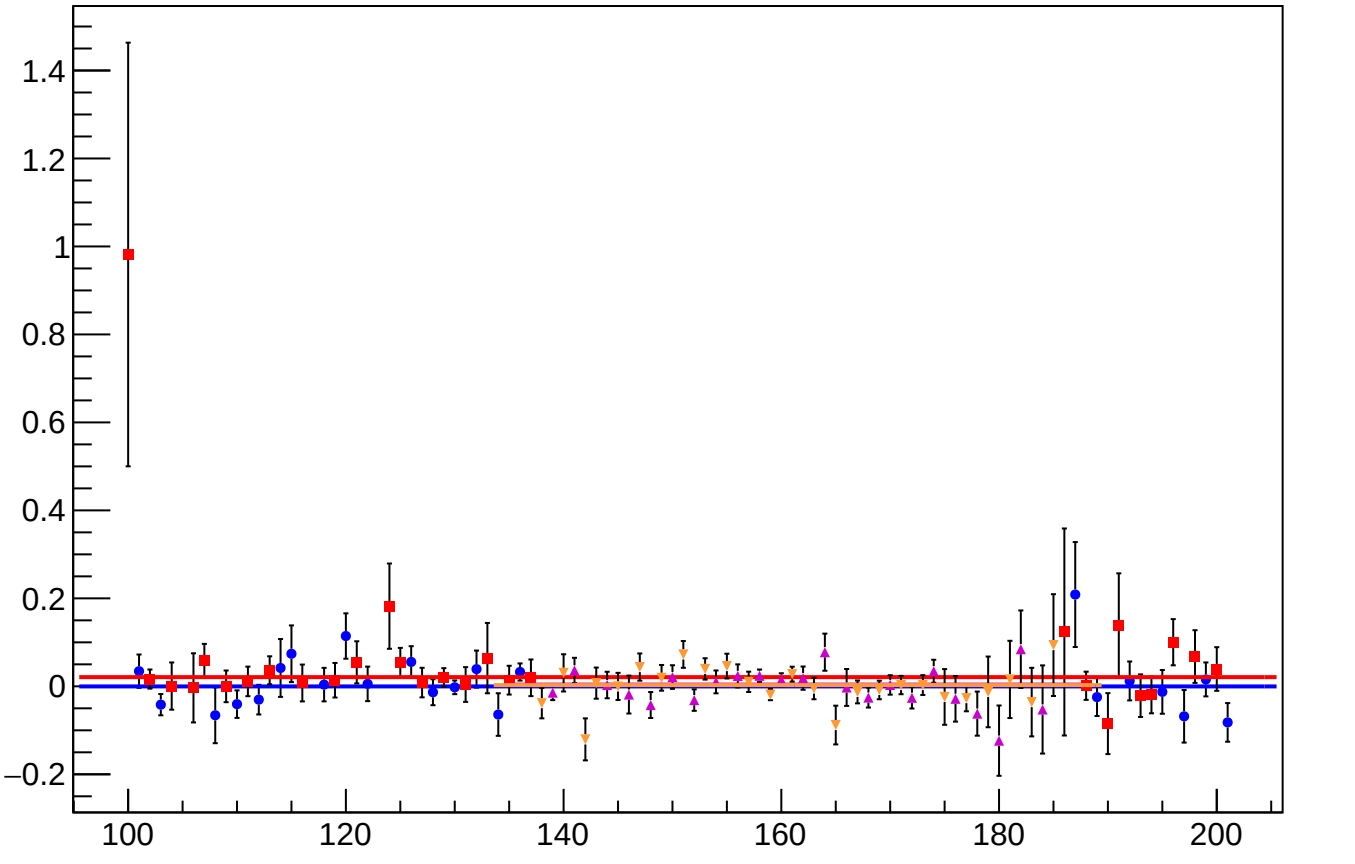
Right Out: 0.001+/-0.000 χ^2/NDF: 9761727.5/27

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: 21160360.0/98

- sign 0.001+/-0.000 χ^2/NDF: 13244825.9/50



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: 0.021+/-0.008 χ^2/NDF: 19.4/27

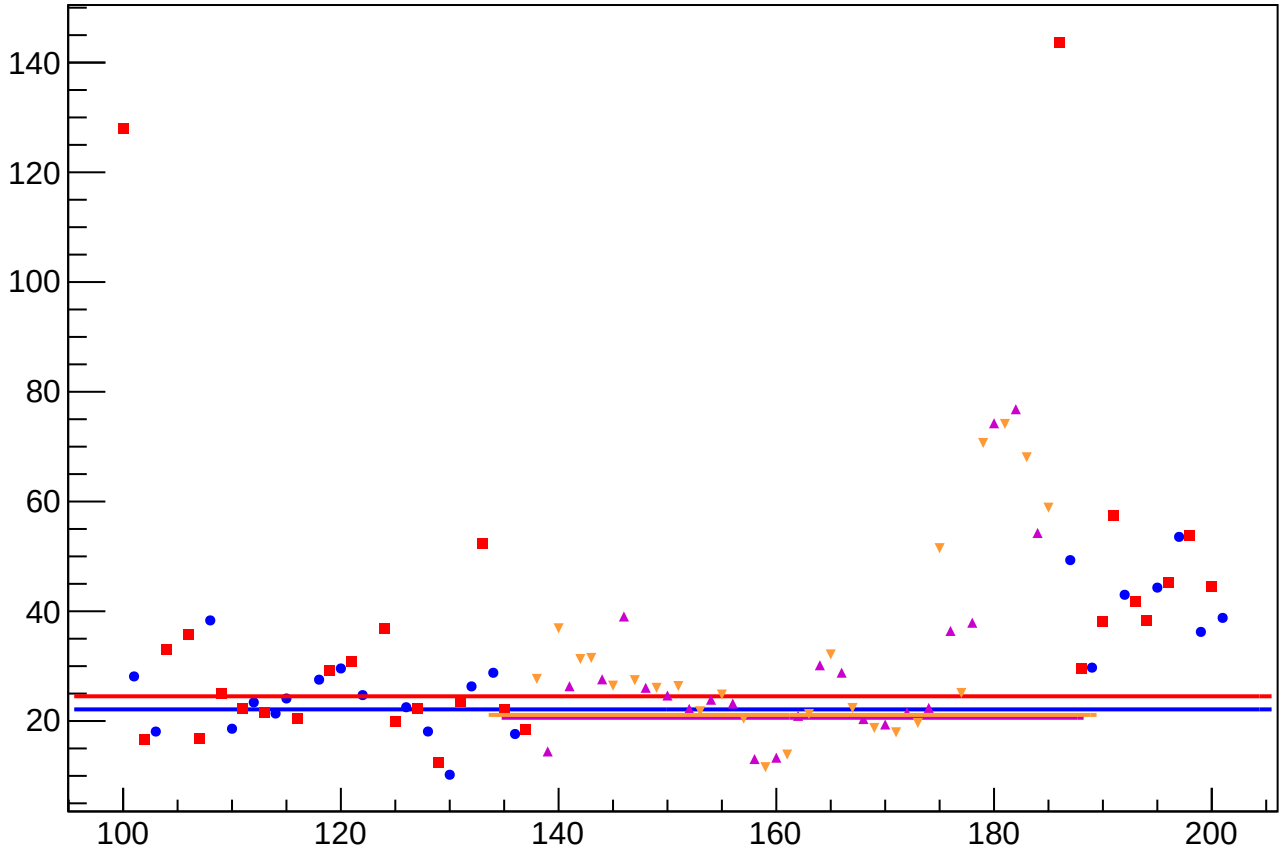
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 63.5/47

All: 0.006+/-0.003 χ^2/NDF: 112.4/98

- sign 0.010+/-0.004 χ^2/NDF: 47.3/50

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



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: 24.504+/-0.005 χ^2/NDF: 4062056.9/27

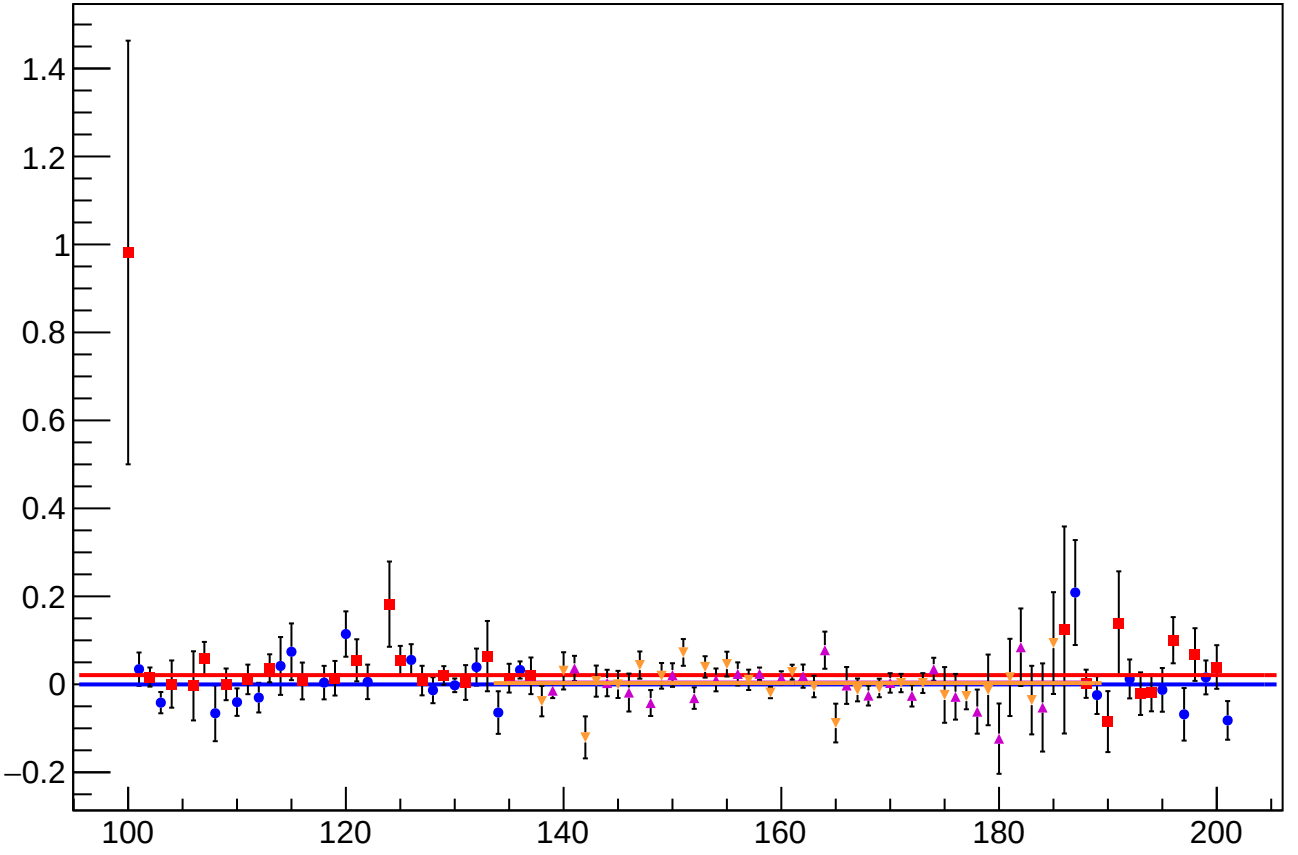
Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.478+/-0.003 χ^2/NDF: 9421566.7/47

All: 21.693+/-0.002 χ^2/NDF: 18444019.9/98

- sign 21.916+/-0.003 χ^2/NDF: 9012455.4/50

asym_sam_1357_avg_eigen_dit_vs_eigen_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

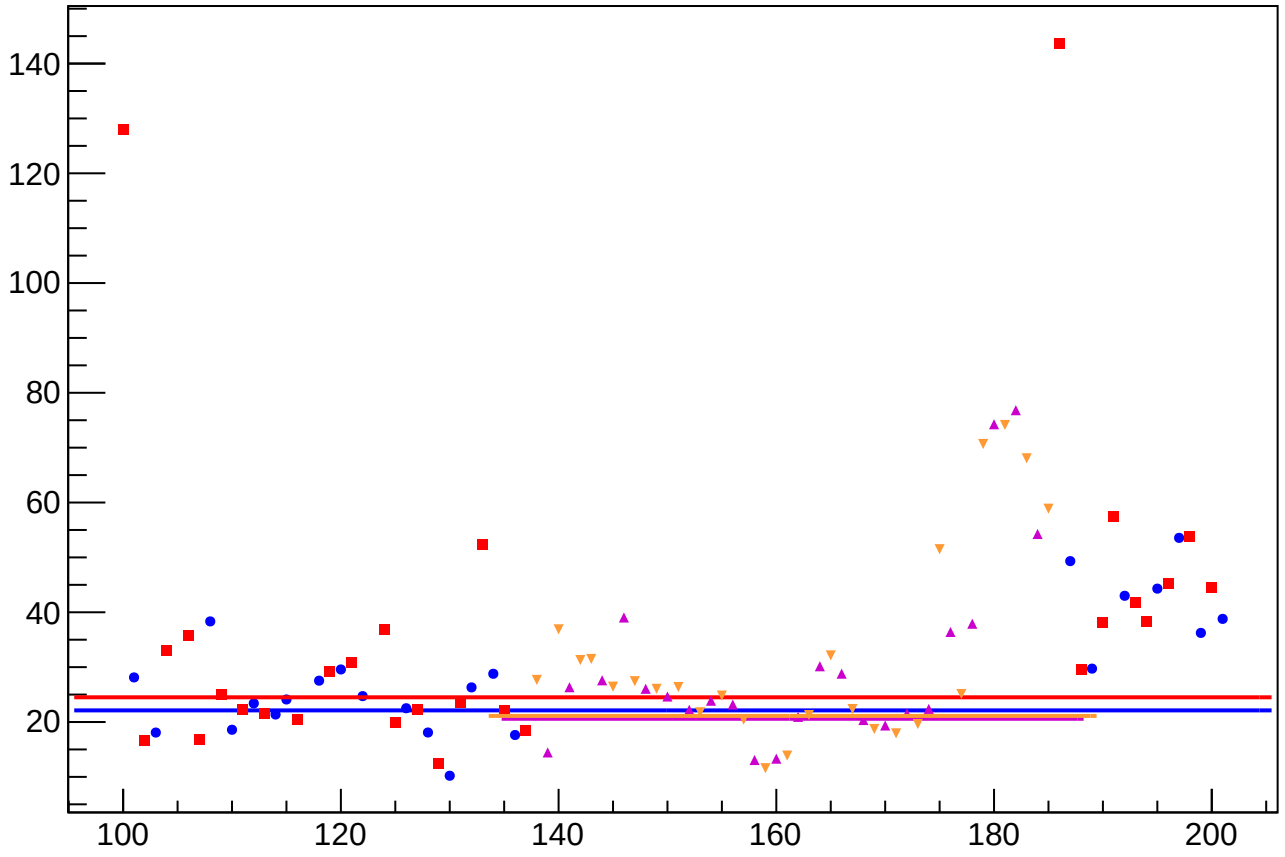
Right Out: 0.021+/-0.008 χ^2/NDF: 19.4/27

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: 112.4/98

- sign 0.010+/-0.004 χ^2/NDF: 47.3/50



Right In: 22.118+/-0.005 χ^2/NDF: 3849809.6/22

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

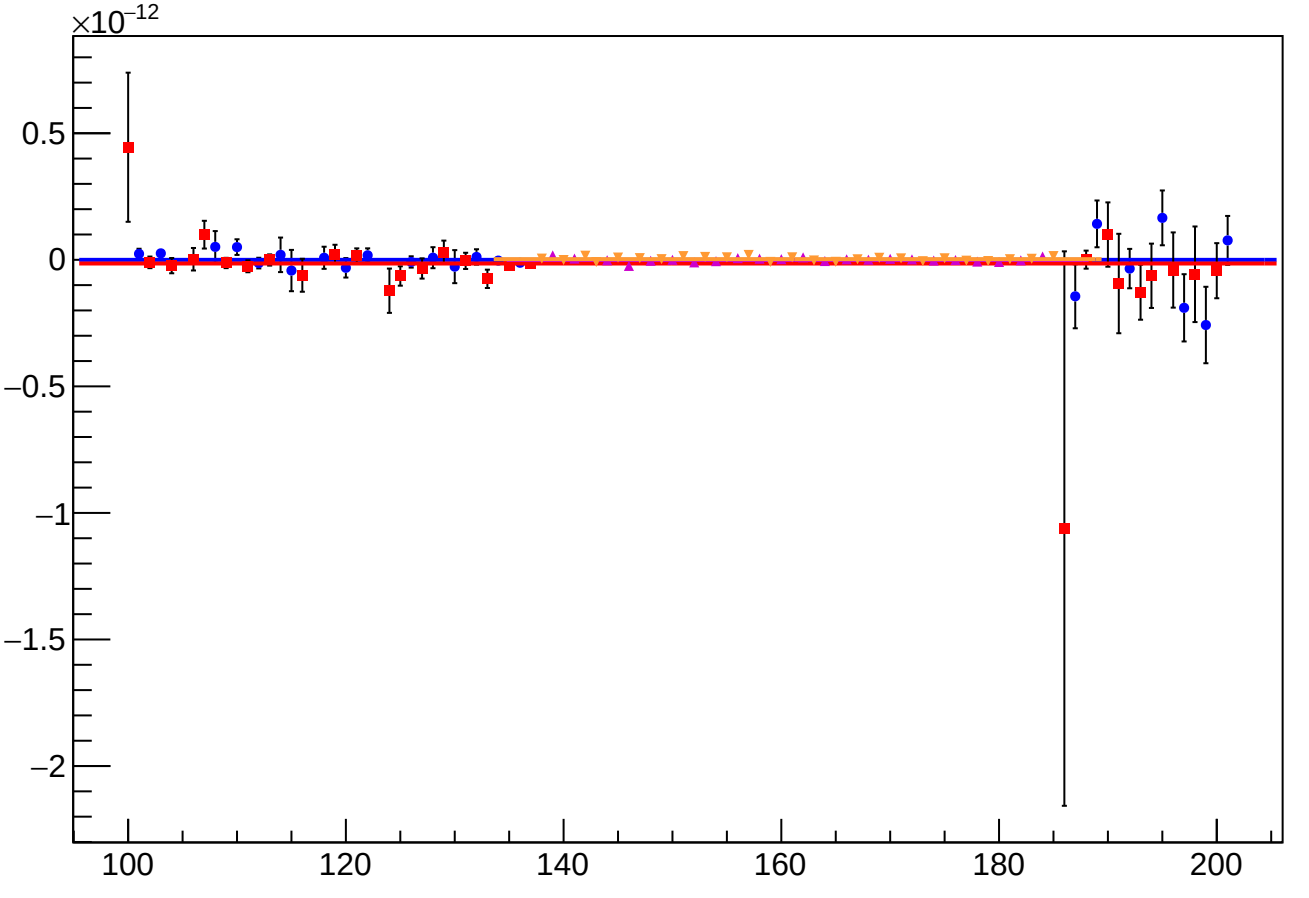
Right Out: 24.504+/-0.005 χ^2/NDF: 4062056.9/27

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.478+/-0.003 χ^2/NDF: 9421566.7/47

All: 21.693+/-0.002 χ^2/NDF: 18444019.9/98

- sign 21.916+/-0.003 χ^2/NDF: 9012455.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.3/22

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

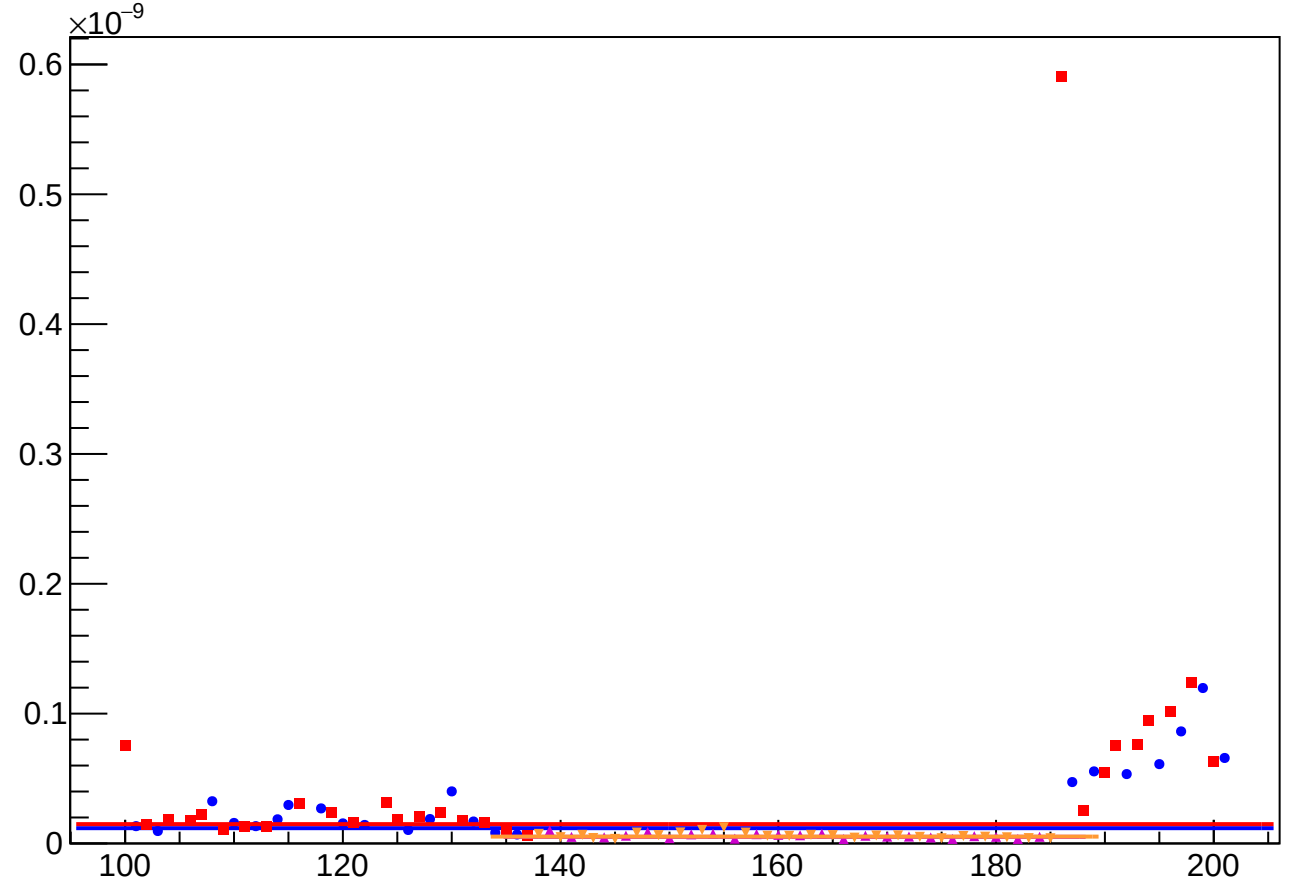
Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/27

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: 93.6/98

- sign -0.000+/-0.000 χ^2/NDF: 46.9/50



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: 5786195.5/27

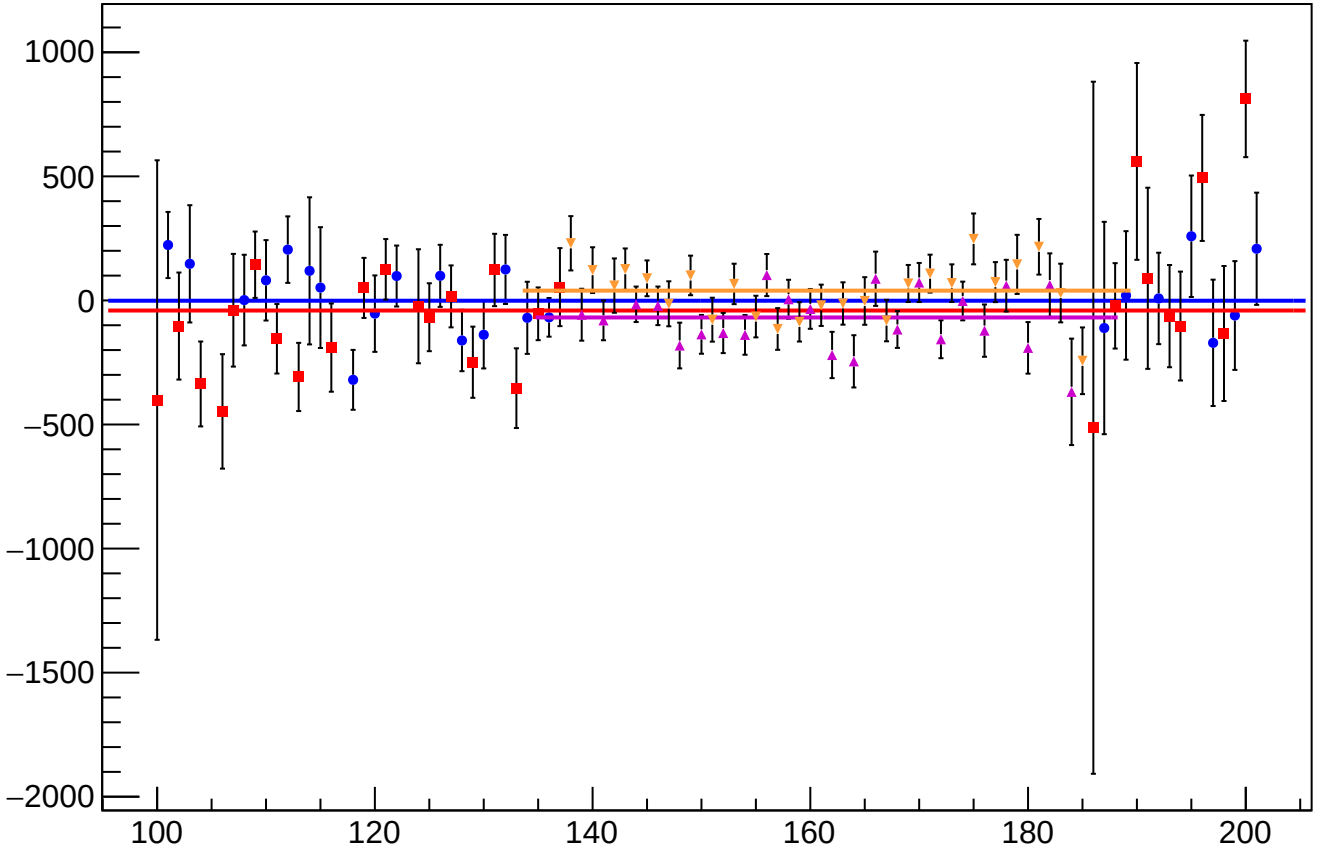
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10382428.1/47

All: 0.000+/-0.000 χ^2/NDF: 22337565.5/98

- sign 0.000+/-0.000 χ^2/NDF: 11949872.5/50

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: -40.650+/-32.251 χ^2/NDF: 44.0/27

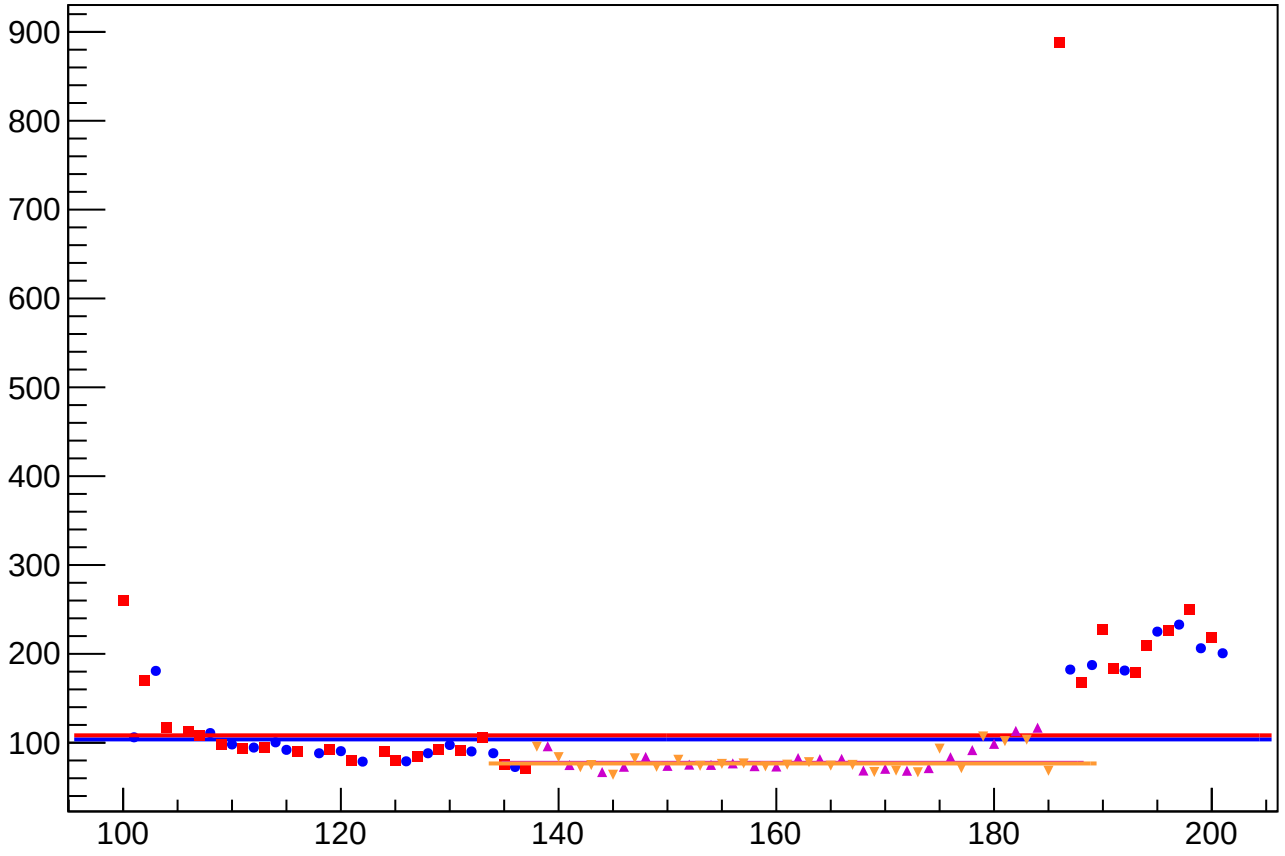
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 30.005+/-15.472 χ^2/NDF: 54.7/47

All: -14.567+/-11.098 χ^2/NDF: 145.4/98

- sign -61.798+/-15.927 χ^2/NDF: 73.6/50

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

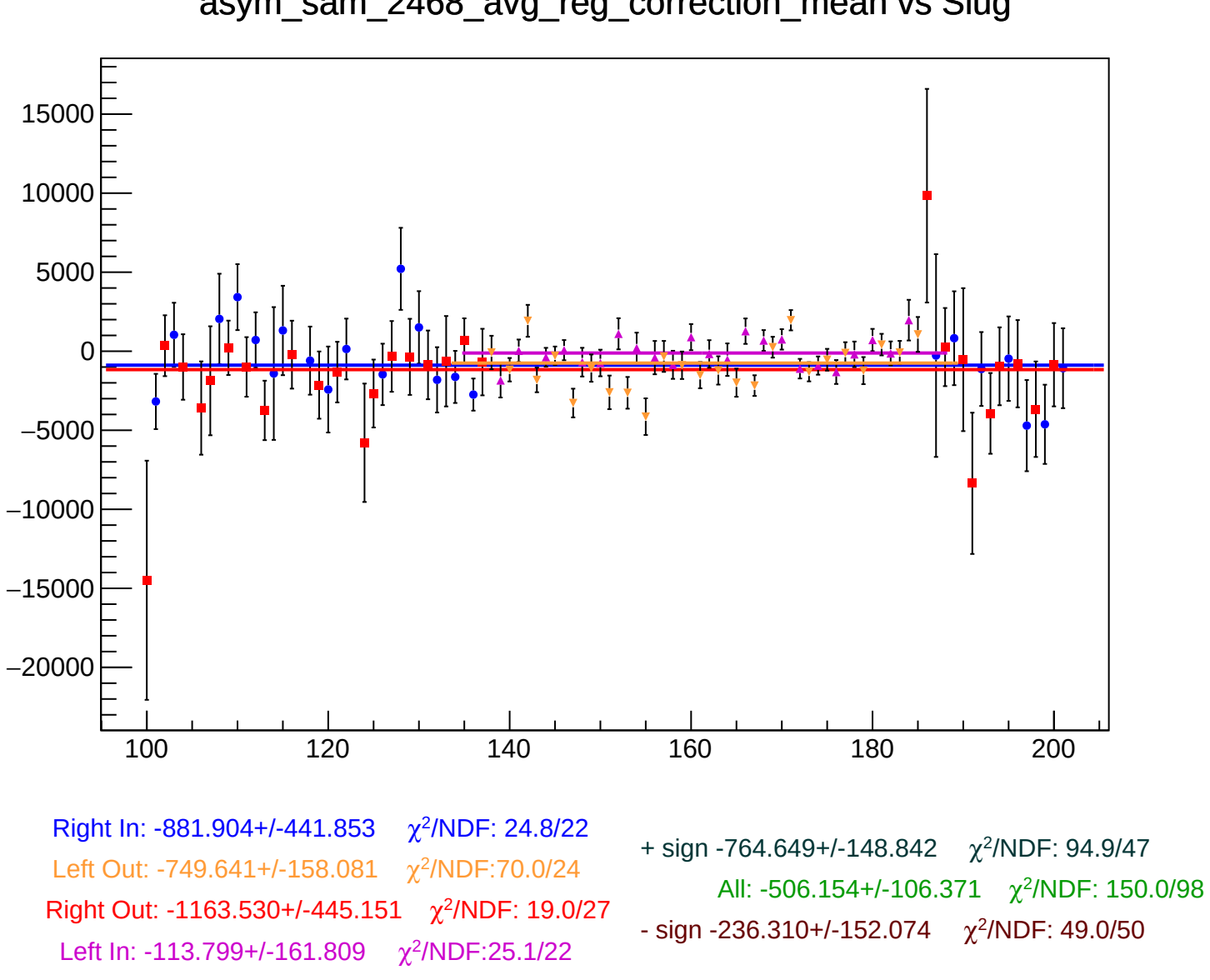
Right Out: 108.299+/-0.023 χ^2/NDF: 4181009.9/27

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

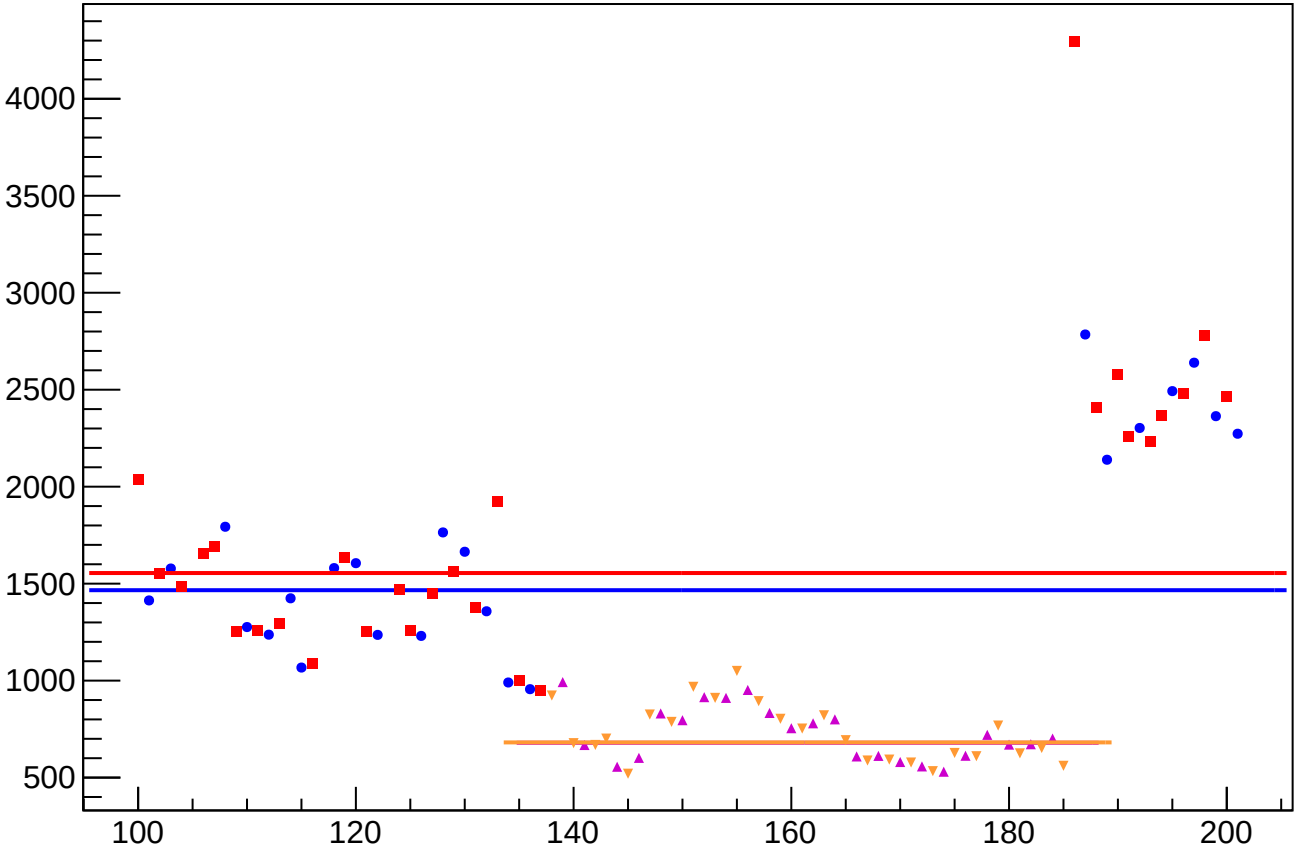
+ sign 82.954+/-0.011 χ^2/NDF: 5029138.5/47

All: 83.897+/-0.008 χ^2/NDF: 11208618.2/98

- sign 84.897+/-0.011 χ^2/NDF: 6164156.2/50


asym_sam_2468_avg_reg_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -881.904+/-441.853 χ²/NDF: 24.8/22
Left Out: -749.641+/-158.081 χ²/NDF:70.0/24
Right Out: -1163.530+/-445.151 χ²/NDF: 19.0/27
Left In: -113.799+/-161.809 χ²/NDF:25.1/22
+ sign -764.649+/-148.842 χ²/NDF: 94.9/47
All: -506.154+/-106.371 χ²/NDF: 150.0/98
- sign -236.310+/-152.074 χ²/NDF: 49.0/50

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: 1554.758+/-0.315 χ^2/NDF: 2748005.1/27

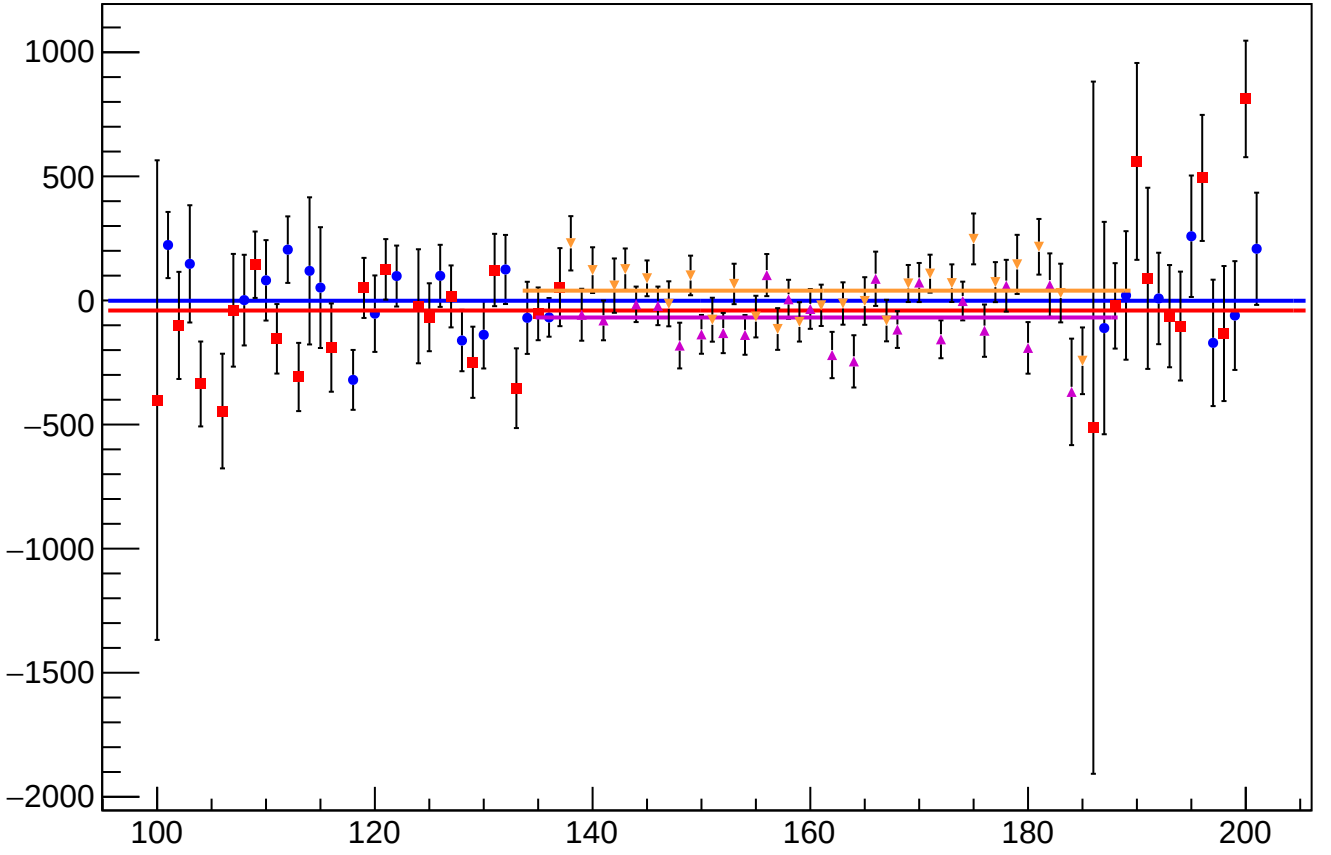
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

\+ sign 770.484+/-0.105 χ^2/NDF: 9369315.8/47

All: 775.909+/-0.075 χ^2/NDF: 20138920.9/98

\- sign 781.572+/-0.108 χ^2/NDF: 10764175.1/50

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: -40.526+/-32.252 χ^2/NDF: 43.9/27

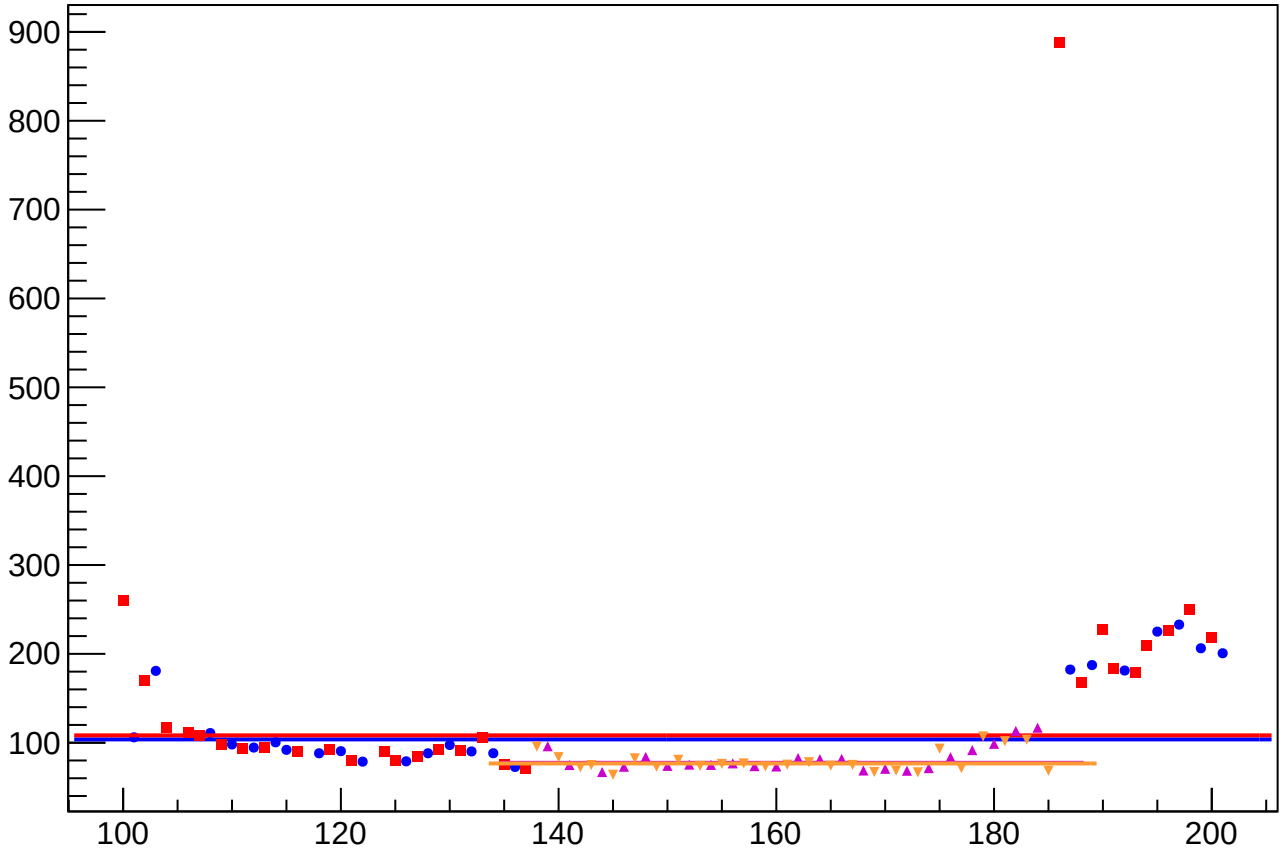
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 30.008+/-15.472 χ^2/NDF: 54.7/47

All: -14.550+/-11.098 χ^2/NDF: 145.3/98

- sign -61.768+/-15.928 χ^2/NDF: 73.5/50

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

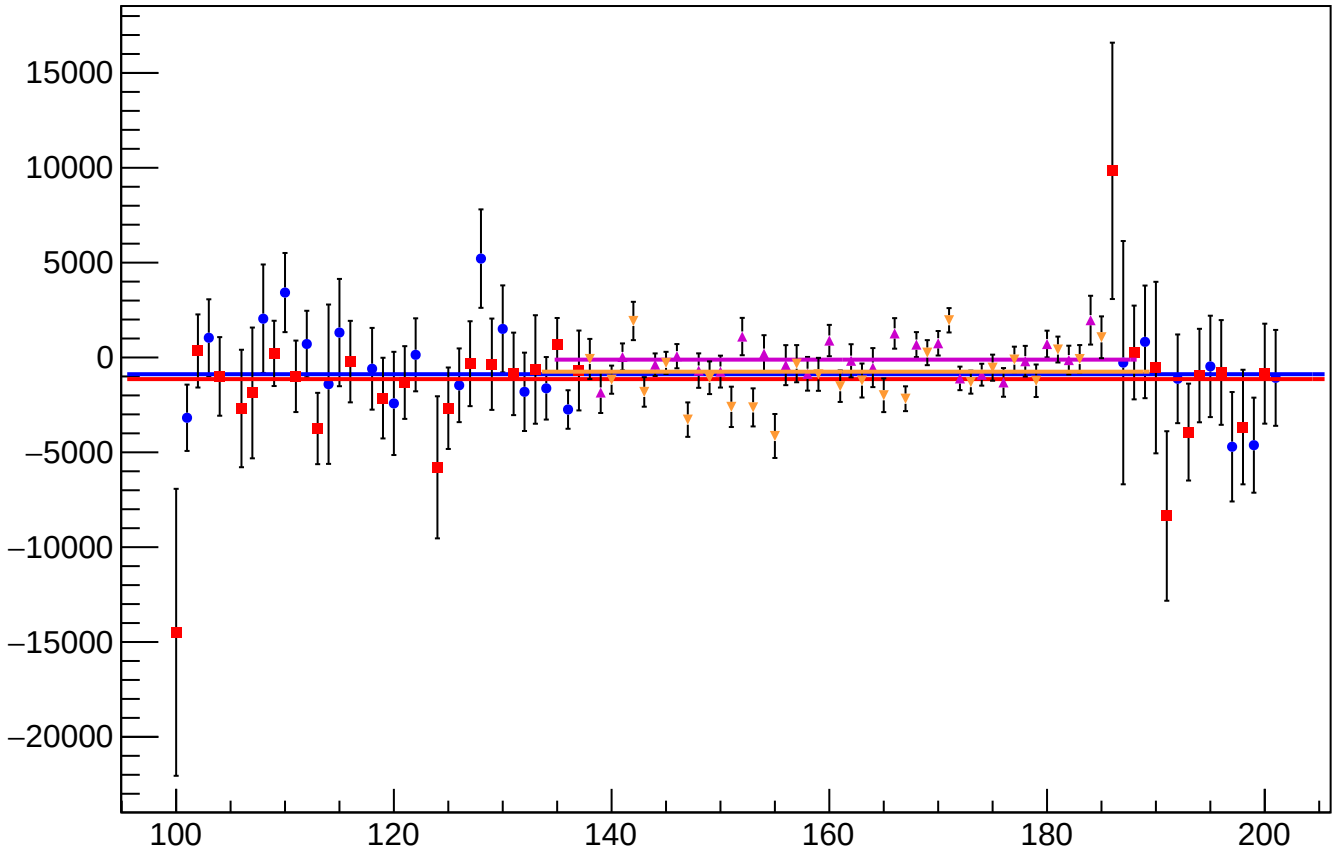
Right Out: 108.273+/-0.023 χ^2/NDF: 4180883.9/27

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 82.954+/-0.011 χ^2/NDF: 5029142.0/47

All: 83.894+/-0.008 χ^2/NDF: 11205981.6/98

- sign 84.890+/-0.011 χ^2/NDF: 6161623.1/50



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: -1140.150+/-445.632 χ^2/NDF: 18.5/27

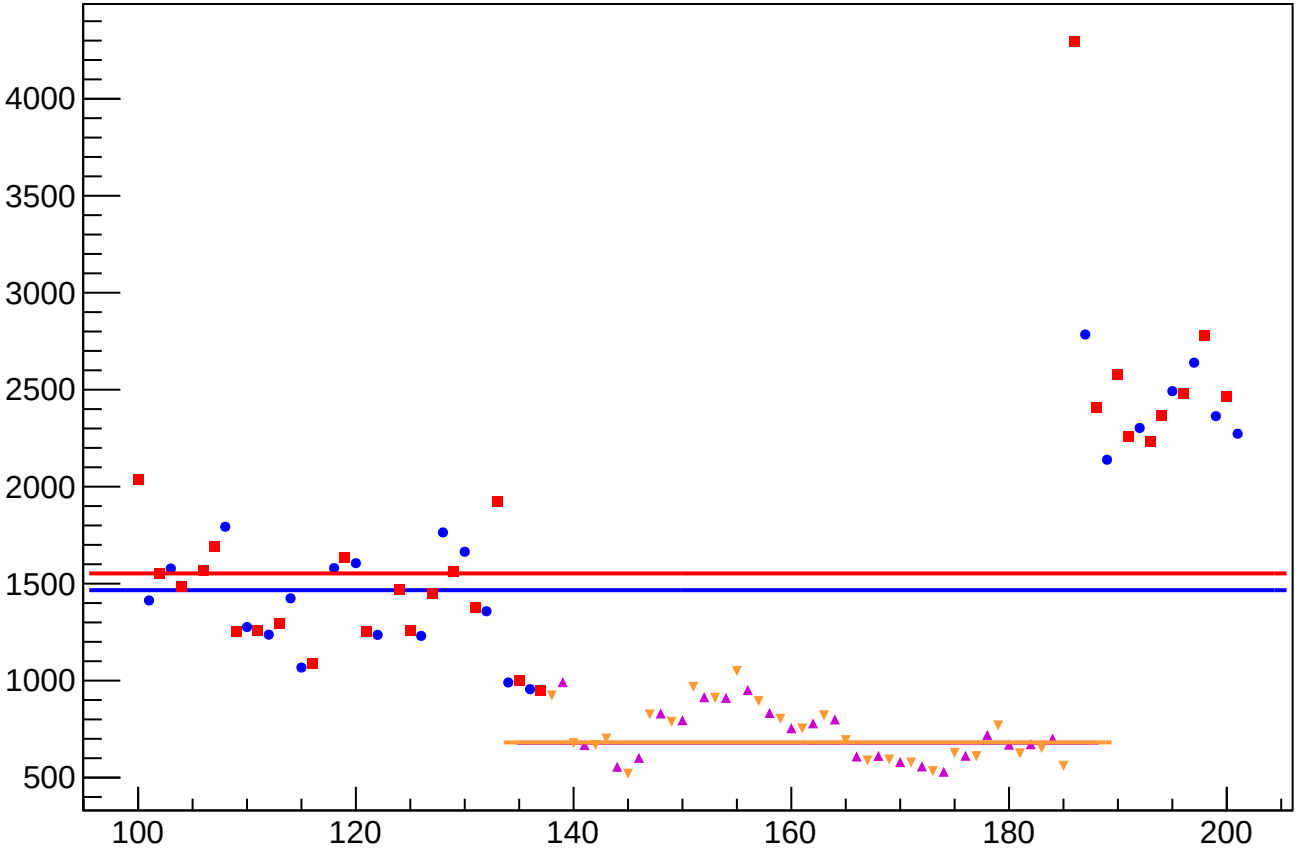
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -764.638+/-148.842 χ^2/NDF: 94.9/47

All: -504.735+/-106.378 χ^2/NDF: 149.4/98

- sign -233.353+/-152.093 χ^2/NDF: 48.3/50

asym_sam_2468_avg_cor_correction_rms vs Slug



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: 1552.813+/-0.315 χ^2/NDF: 2745691.7/27

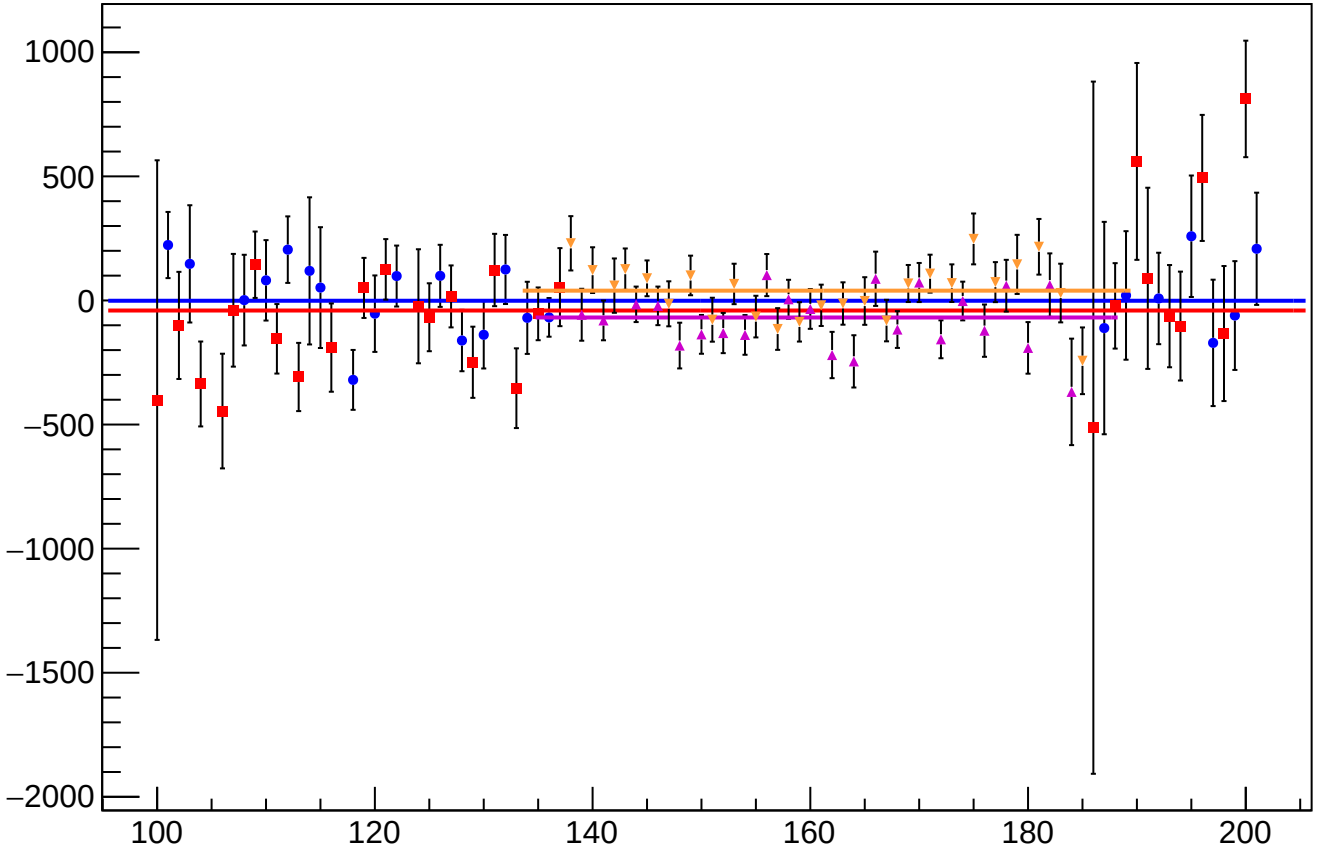
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

\+ sign 770.484+/-0.105 χ^2/NDF: 9369360.8/47

All: 775.702+/-0.075 χ^2/NDF: 20092944.9/98

\- sign 781.151+/-0.108 χ^2/NDF: 10718559.2/50

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: -40.526+/-32.252 χ^2/NDF: 43.9/27

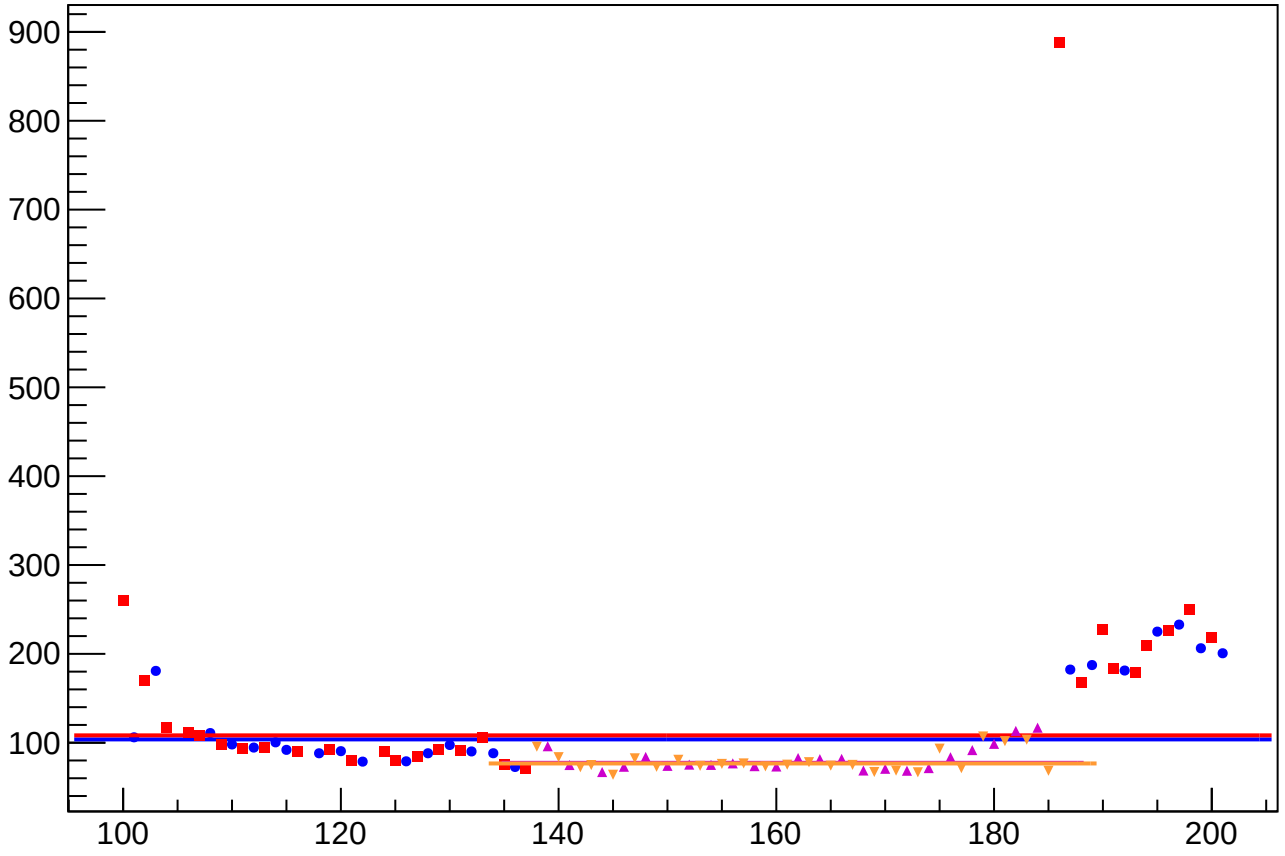
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 30.008+/-15.472 χ^2/NDF: 54.7/47

All: -14.550+/-11.098 χ^2/NDF: 145.3/98

- sign -61.768+/-15.928 χ^2/NDF: 73.5/50

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

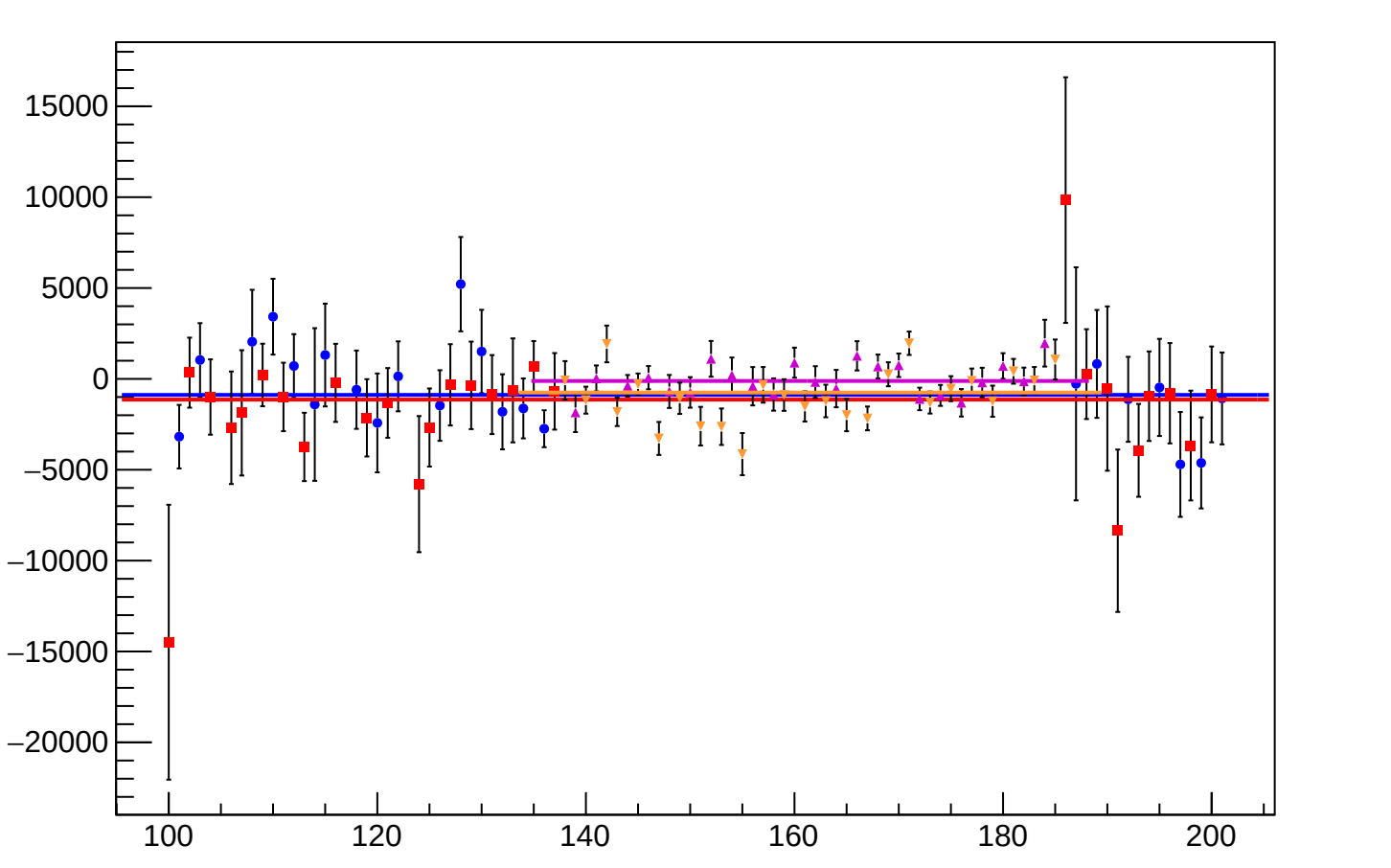
Right Out: 108.273+/-0.023 χ^2/NDF: 4180883.9/27

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 82.954+/-0.011 χ^2/NDF: 5029142.0/47

All: 83.894+/-0.008 χ^2/NDF: 11205981.6/98

- sign 84.890+/-0.011 χ^2/NDF: 6161623.1/50



Right In: -881.873+/-441.854 χ^2/NDF: 24.8/22

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

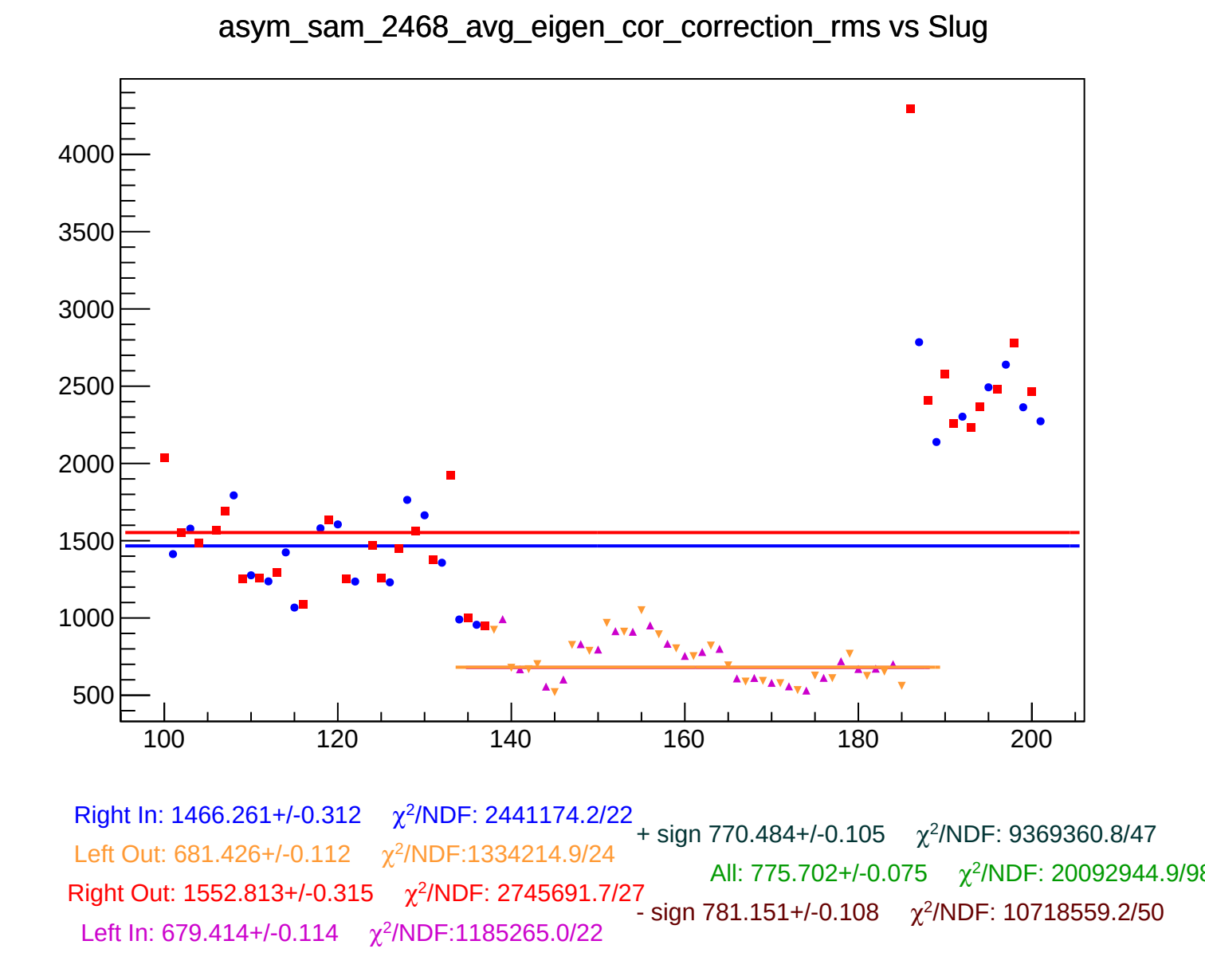
Right Out: -1140.150+/-445.632 χ^2/NDF: 18.5/27

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

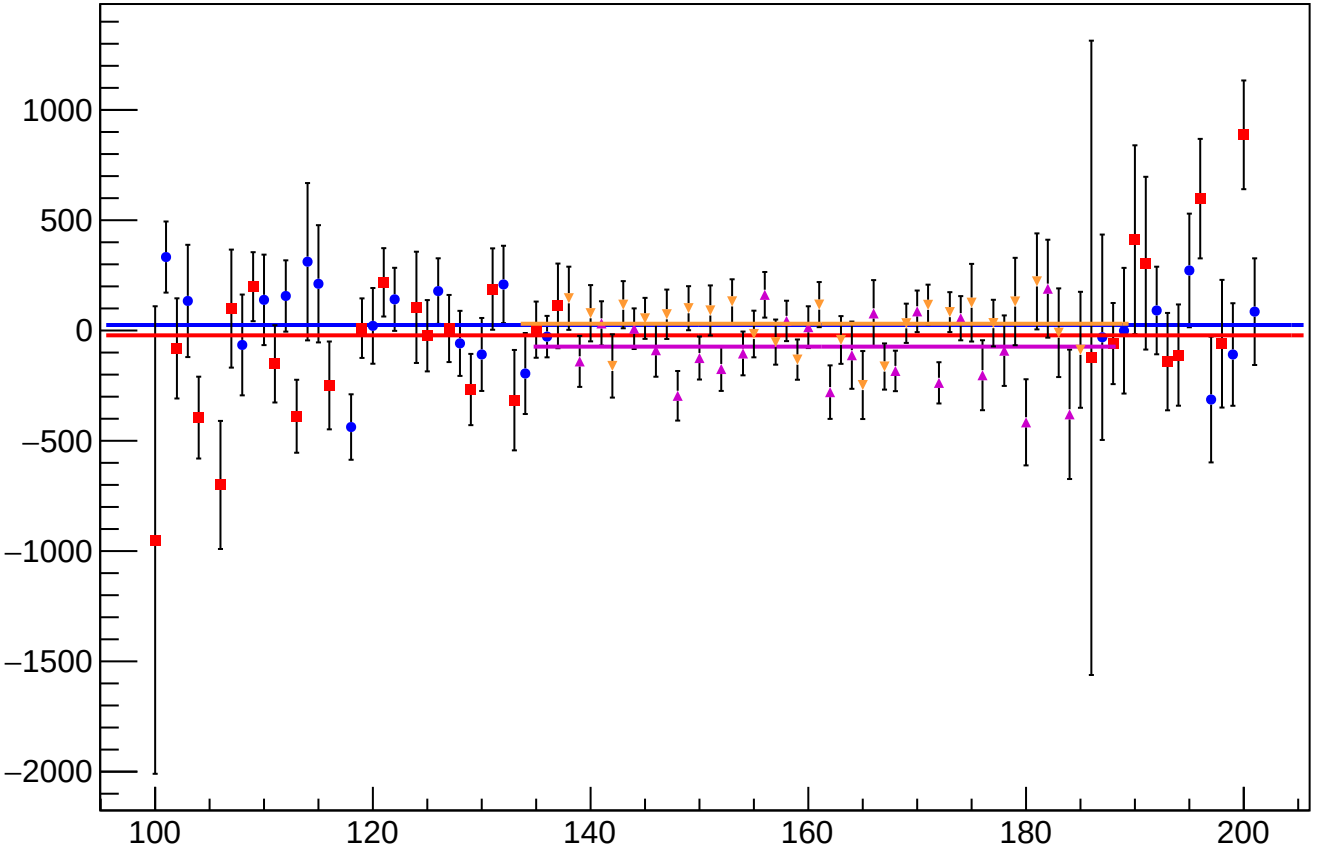
+ sign -764.638+/-148.842 χ^2/NDF: 94.9/47

All: -504.735+/-106.378 χ^2/NDF: 149.4/98

- sign -233.353+/-152.093 χ^2/NDF: 48.3/50


asym_sam_2468_avg_eigen_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: 1552.813+/-0.315 χ²/NDF: 2745691.7/27
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
+ sign 770.484+/-0.105 χ²/NDF: 9369360.8/47
All: 775.702+/-0.075 χ²/NDF: 20092944.9/98
- sign 781.151+/-0.108 χ²/NDF: 10718559.2/50

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: -21.893+/-37.704 χ^2/NDF: 48.9/27

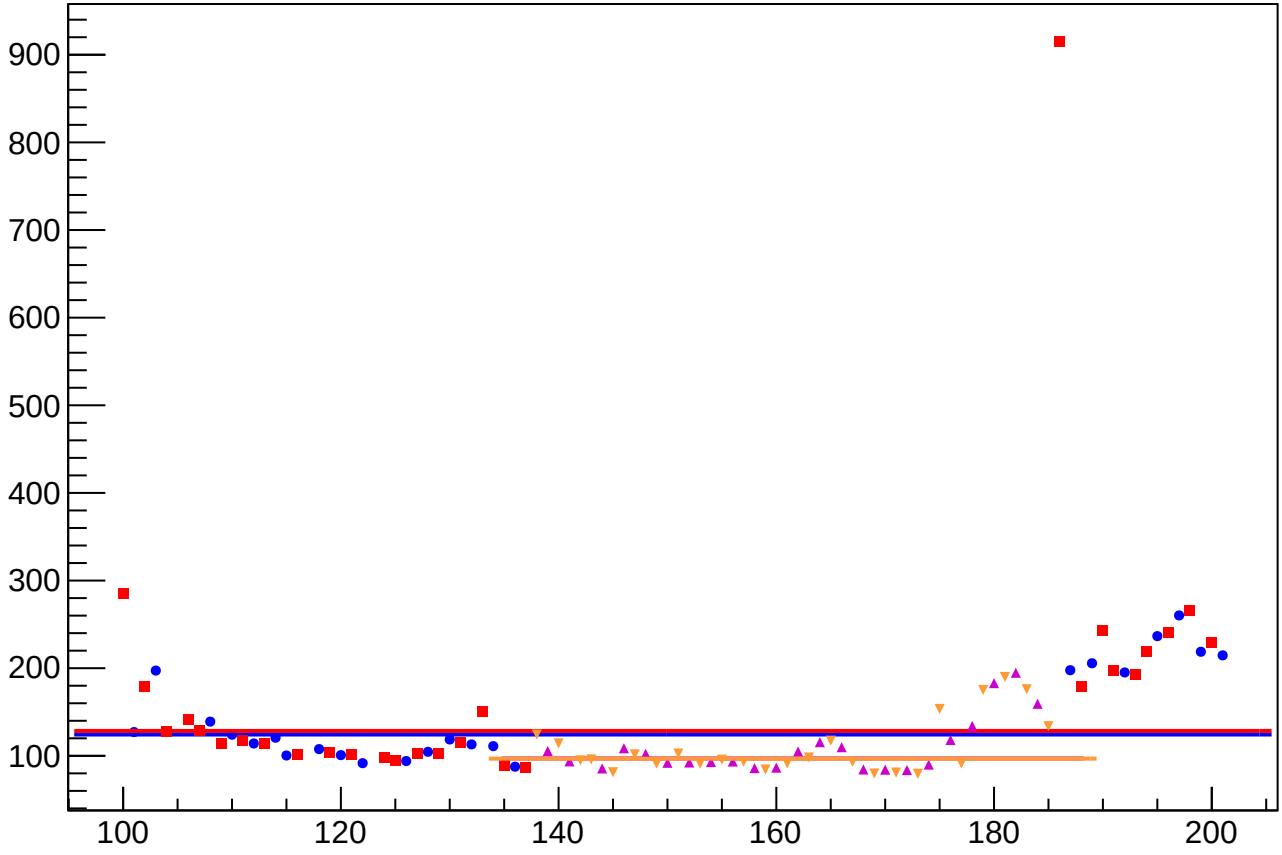
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.155+/-19.581 χ^2/NDF: 44.2/47

All: -14.001+/-13.974 χ^2/NDF: 138.8/98

- sign -58.798+/-19.950 χ^2/NDF: 84.8/50

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

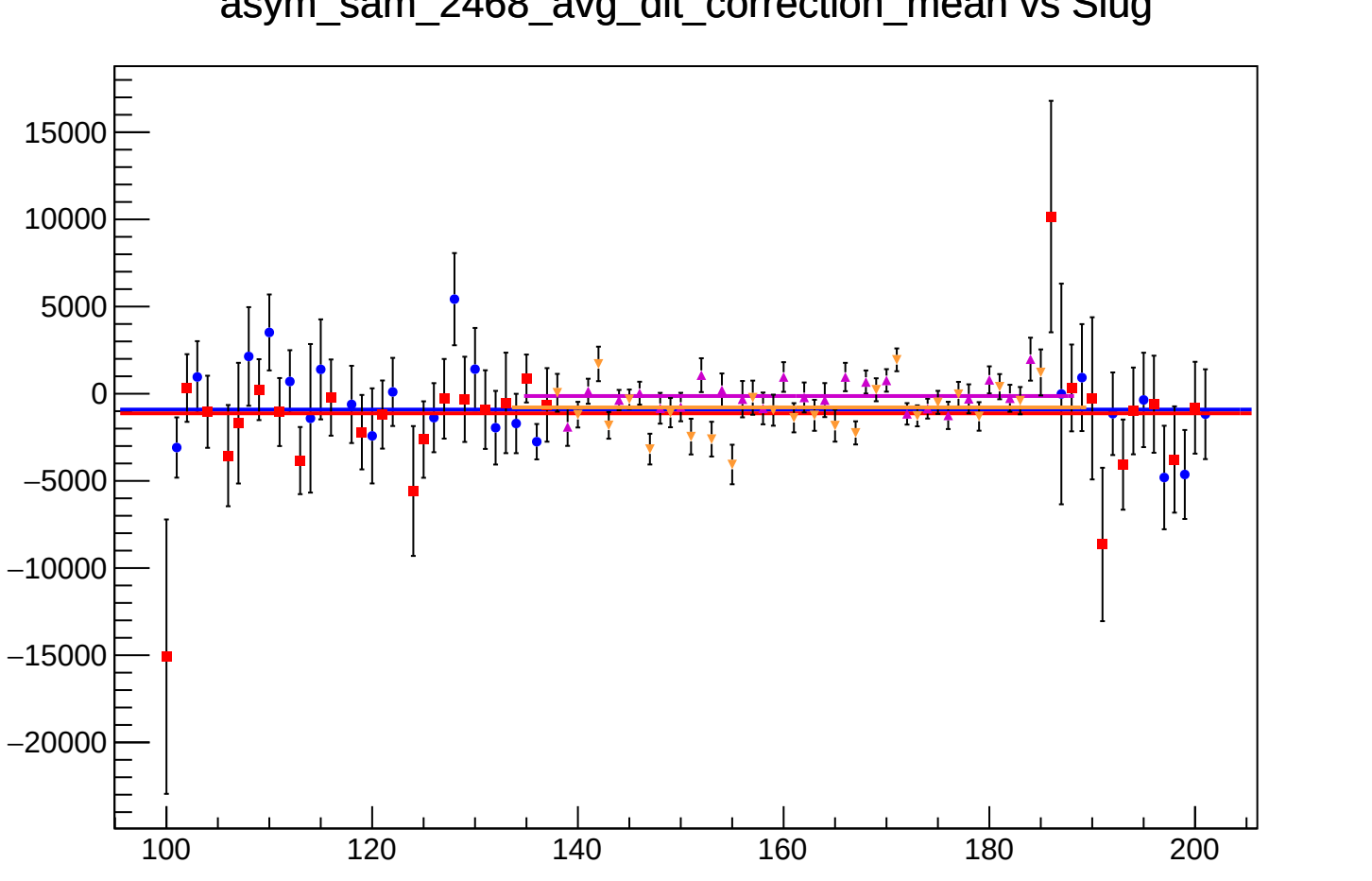
Right Out: 128.414+/-0.027 χ^2/NDF: 3463532.1/27

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 104.118+/-0.014 χ^2/NDF: 5212637.0/47

All: 104.947+/-0.010 χ^2/NDF: 11003274.5/98

- sign 105.807+/-0.014 χ^2/NDF: 5783338.7/50



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: -1123.195+/-449.384 χ^2/NDF: 20.1/27

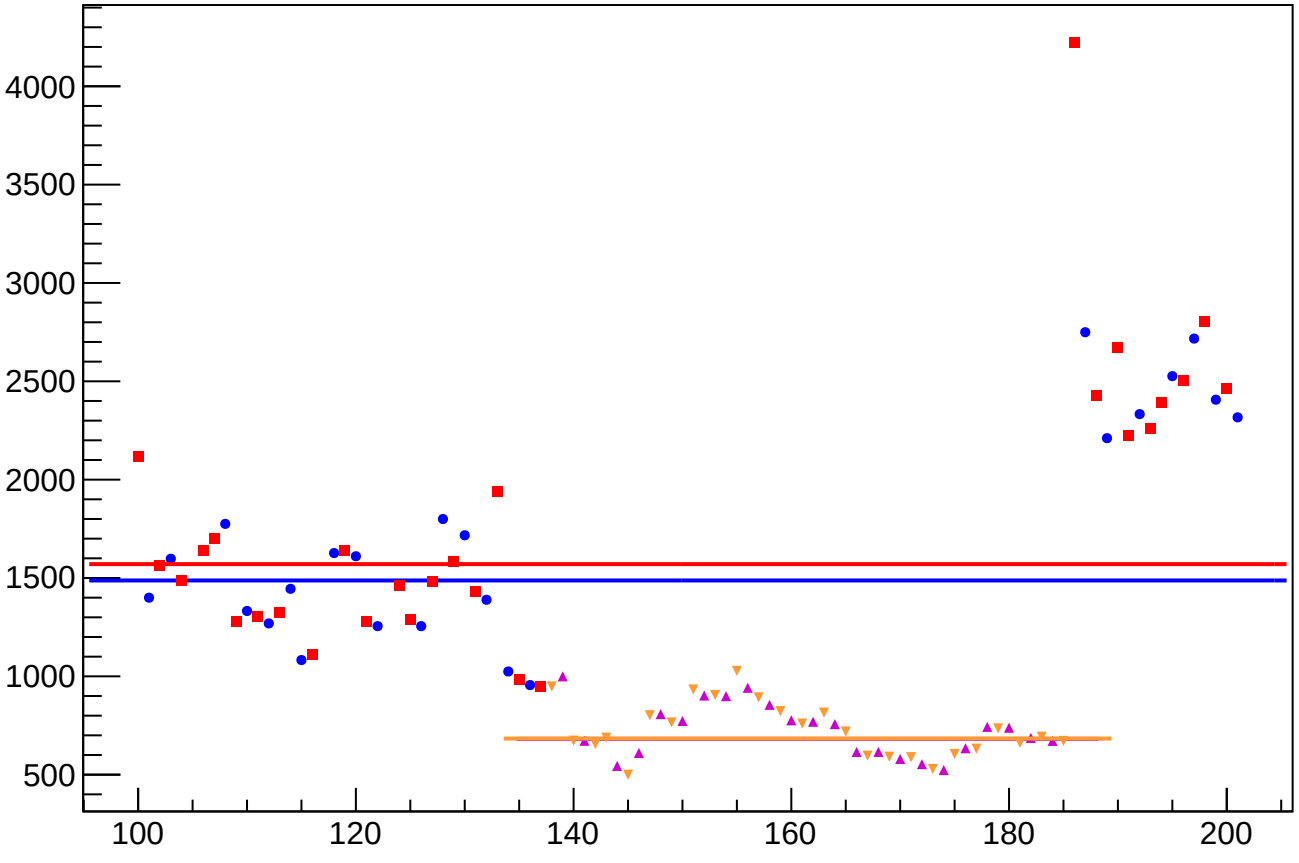
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -797.589+/-149.295 χ^2/NDF: 91.0/47

All: -528.066+/-106.765 χ^2/NDF: 146.3/98

- sign -245.959+/-152.740 χ^2/NDF: 48.7/50

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: 1570.464+/-0.318 χ^2/NDF: 2751697.3/27

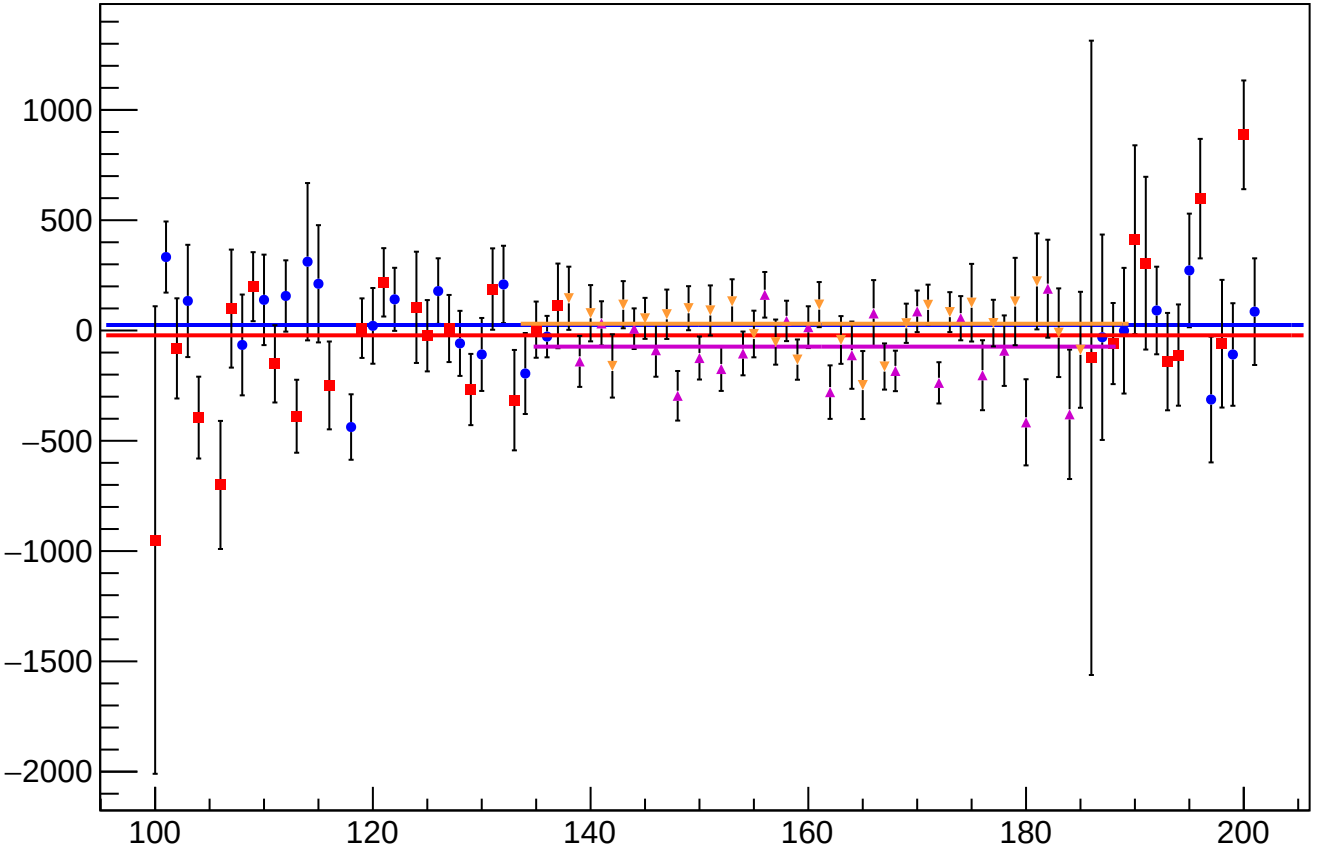
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 772.797+/-0.106 χ^2/NDF: 9488479.3/47

All: 778.566+/-0.075 χ^2/NDF: 20347538.5/98

- sign 784.605+/-0.108 χ^2/NDF: 10852945.7/50

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: -21.892+/-37.704 χ^2/NDF: 48.9/27

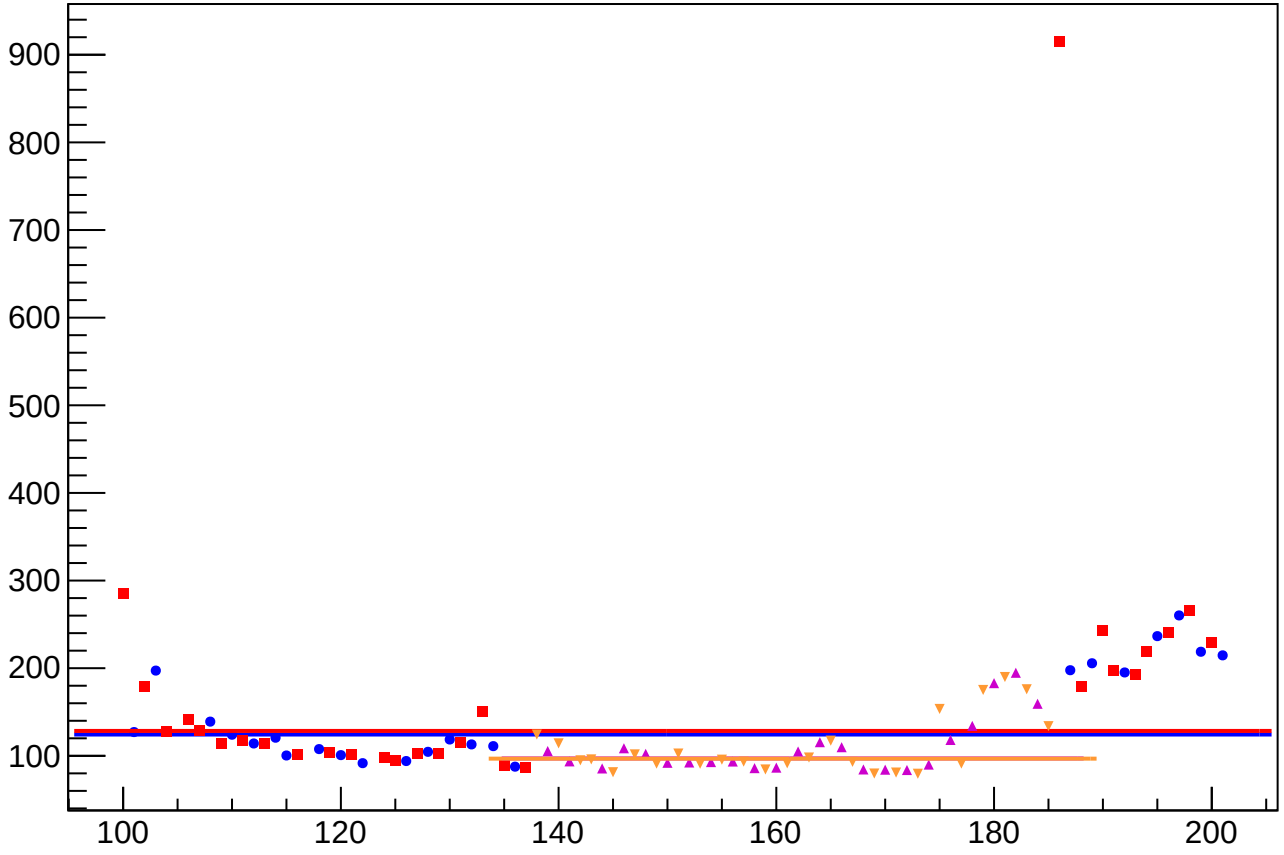
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.155+/-19.581 χ^2/NDF: 44.2/47

All: -14.000+/-13.974 χ^2/NDF: 138.8/98

- sign -58.797+/-19.950 χ^2/NDF: 84.7/50

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

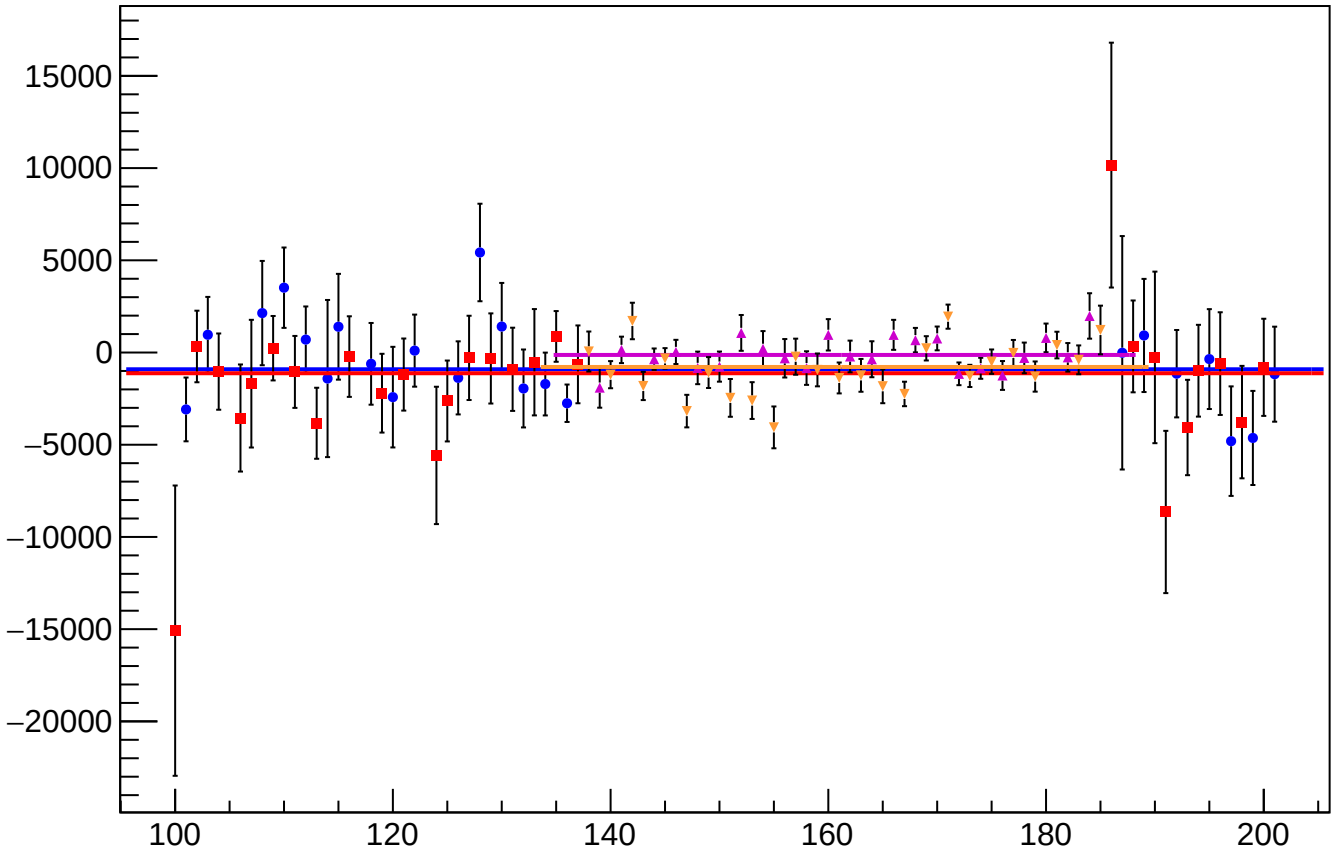
Right Out: 128.413+/-0.027 χ^2/NDF: 3463556.8/27

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 104.118+/-0.014 χ^2/NDF: 5212593.1/47

All: 104.947+/-0.010 χ^2/NDF: 11003179.9/98

- sign 105.807+/-0.014 χ^2/NDF: 5783287.8/50



Right In: -908.530+/-448.394 χ^2/NDF: 24.6/22

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

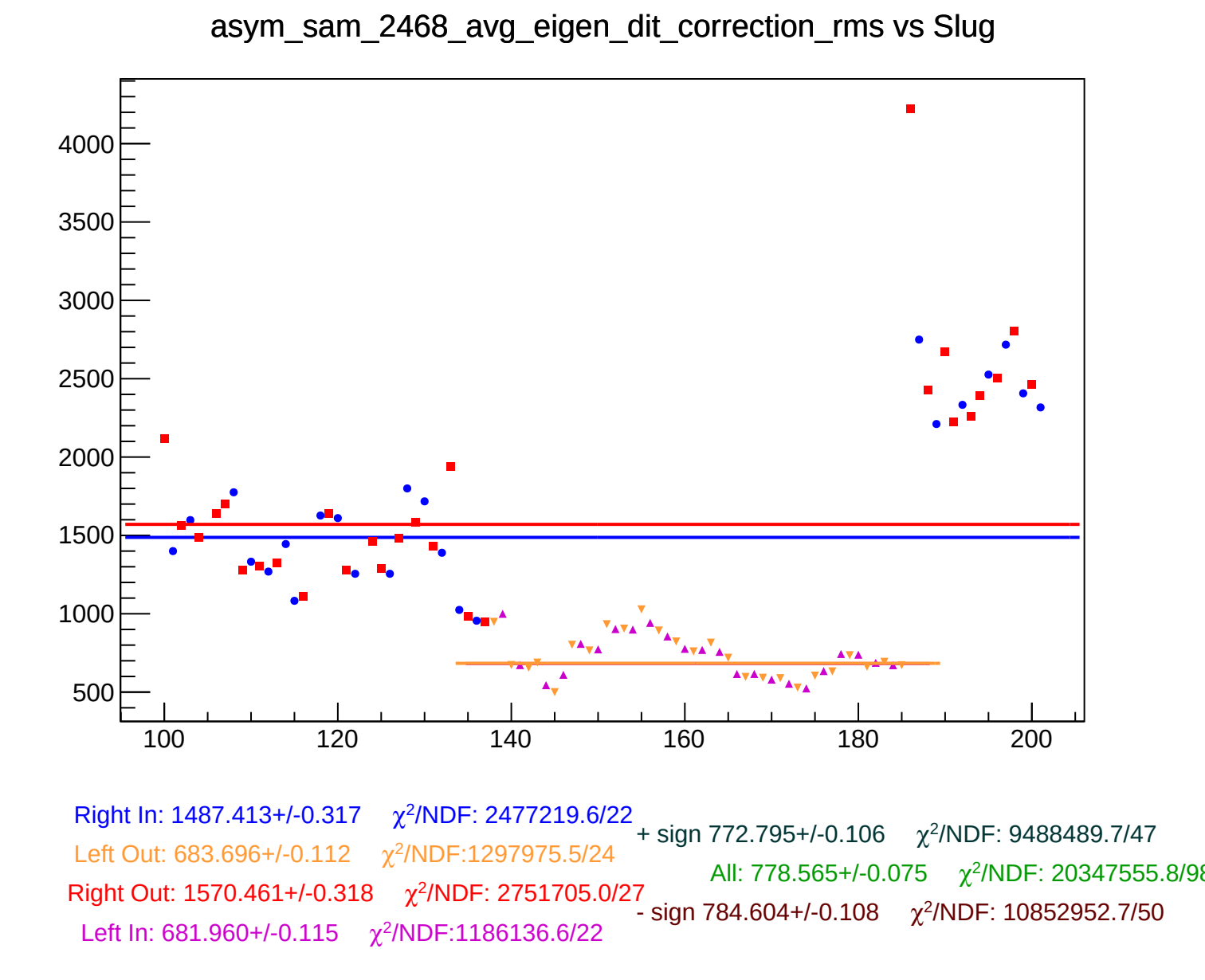
Right Out: -1123.193+/-449.383 χ^2/NDF: 20.1/27

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -797.587+/-149.295 χ^2/NDF: 91.0/47

All: -528.064+/-106.765 χ^2/NDF: 146.3/98

- sign -245.958+/-152.740 χ^2/NDF: 48.7/50


asym_sam_2468_avg_eigen_dit_correction_rms vs Slug
4000
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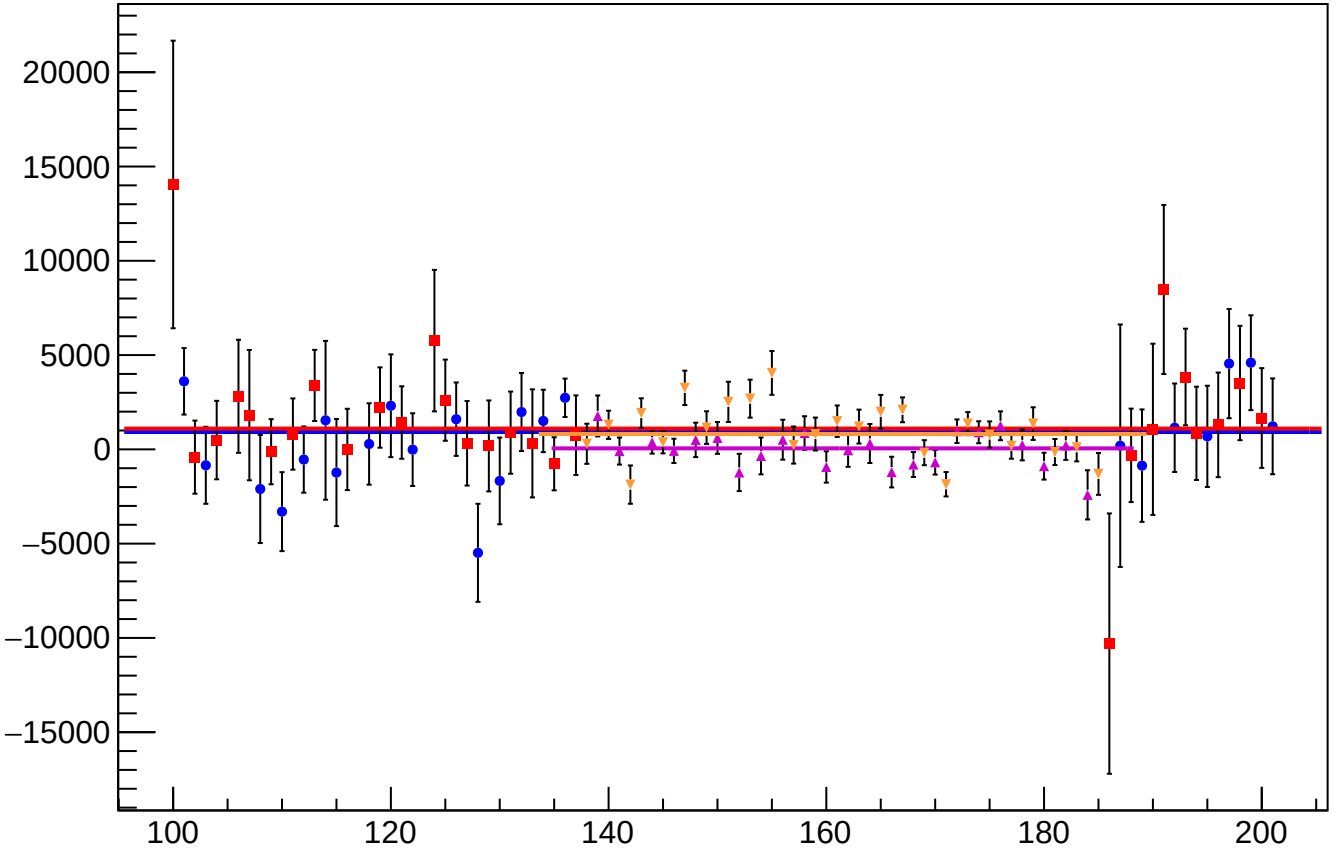
160
180
200
Right In: 1487.413+/-0.317 χ²/NDF: 2477219.6/22
Left Out: 683.696+/-0.112 χ²/NDF:1297975.5/24
Right Out: 1570.461+/-0.318 χ²/NDF: 2751705.0/27
Left In: 681.960+/-0.115 χ²/NDF:1186136.6/22
+ sign 772.795+/-0.106 χ²/NDF: 9488489.7/47
All: 778.565+/-0.075 χ²/NDF: 20347555.8/98
- sign 784.604+/-0.108 χ²/NDF: 10852952.7/50

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: 1100.828+/-446.742 χ^2/NDF: 18.3/27

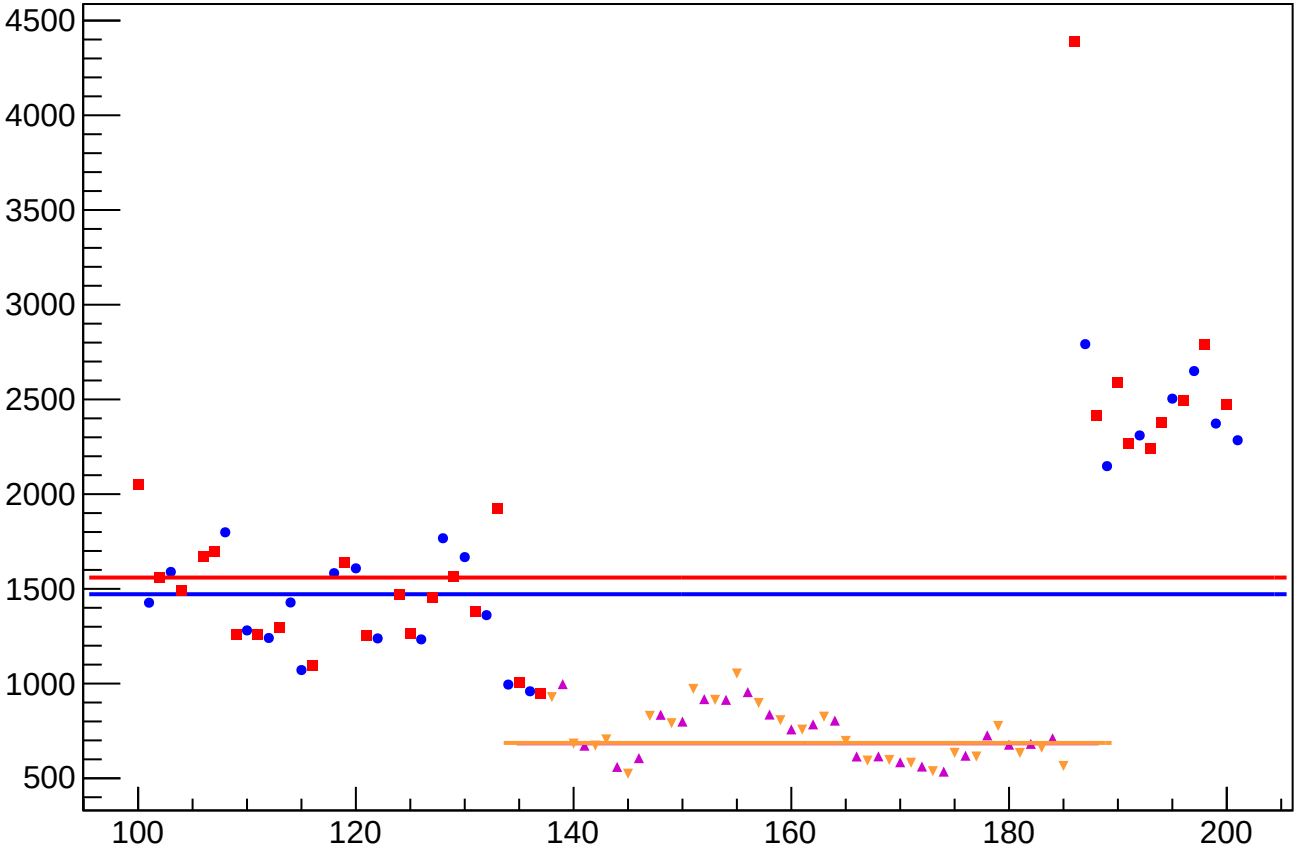
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 826.211+/-149.885 χ^2/NDF: 91.1/47

All: 507.890+/-107.122 χ^2/NDF: 148.8/98

- sign 175.525+/-153.156 χ^2/NDF: 48.5/50

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

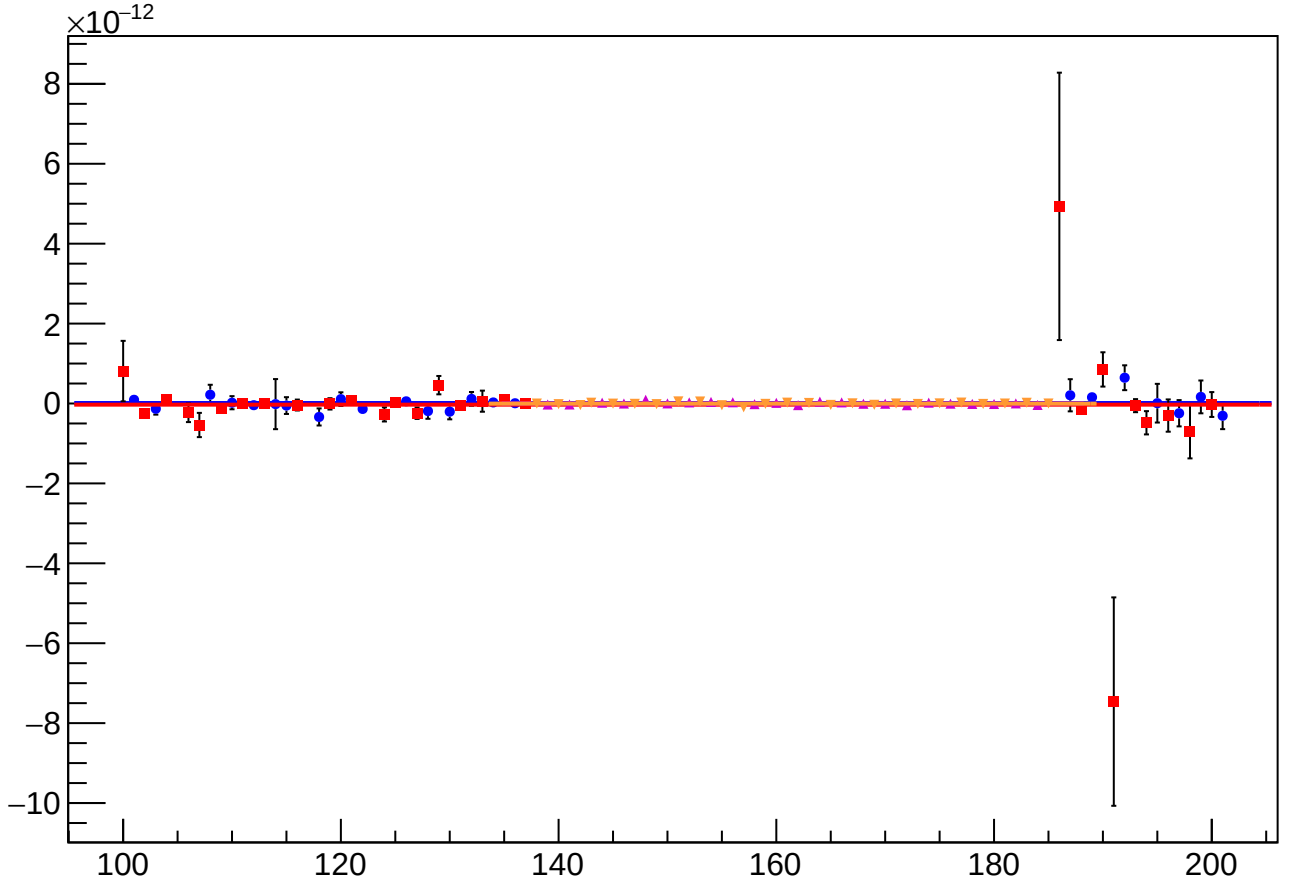
Right Out: 1559.665+/-0.316 χ^2/NDF: 2760053.7/27

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 776.360+/-0.106 χ^2/NDF: 9305227.7/47

All: 781.854+/-0.076 χ^2/NDF: 20005124.2/98

- sign 787.591+/-0.108 χ^2/NDF: 10694402.7/50



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: 43.9/27

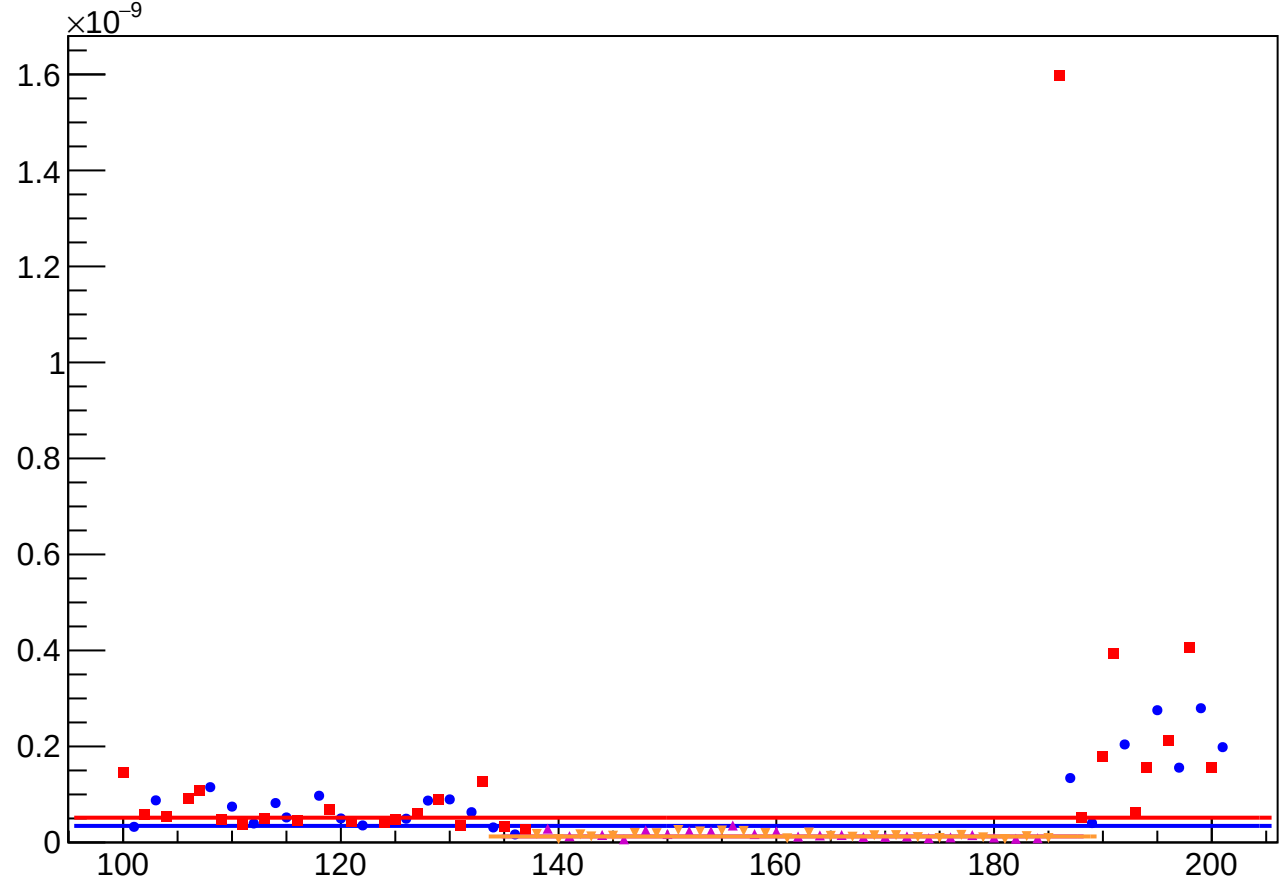
Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.0/47

All: -0.000+/-0.000 χ^2/NDF: 101.6/98

- sign -0.000+/-0.000 χ^2/NDF: 65.6/50

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4654837.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

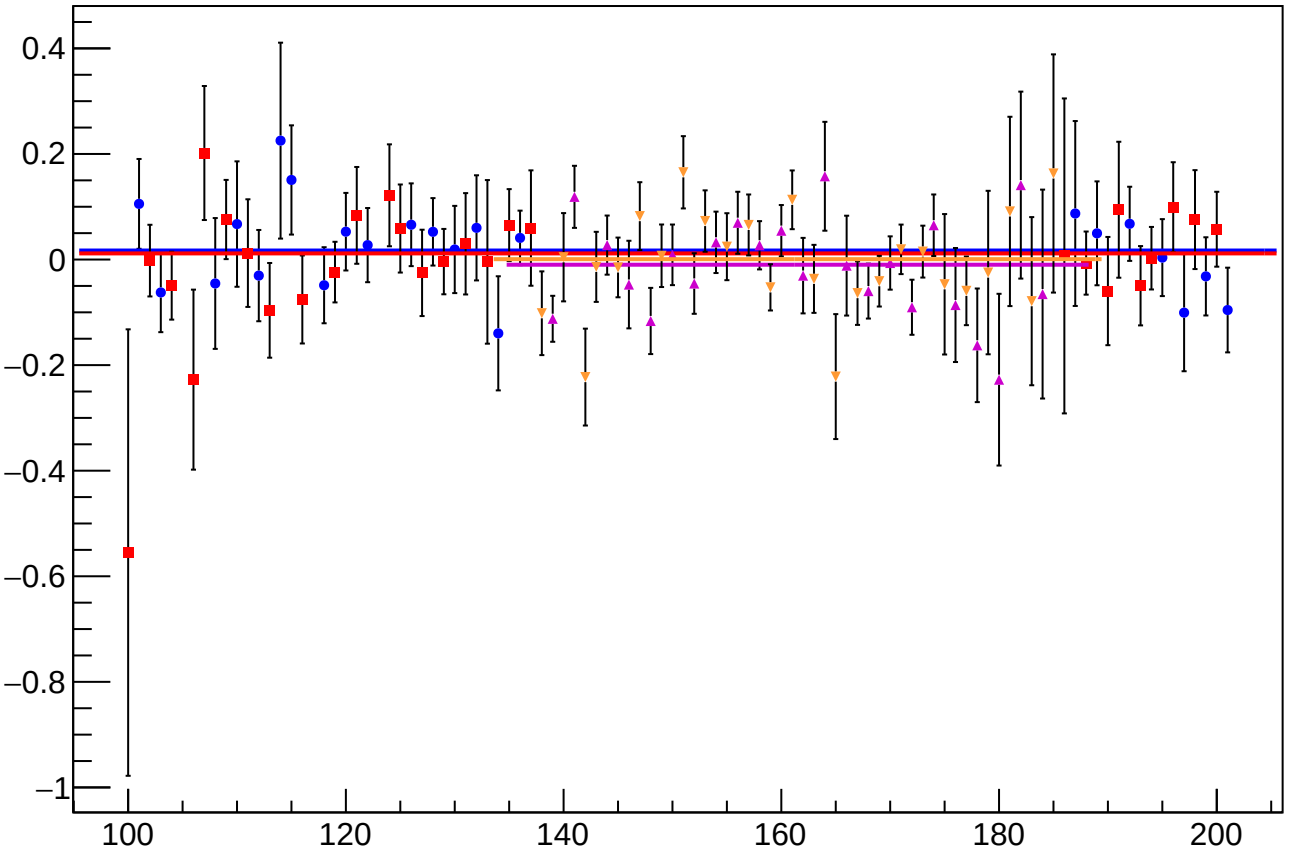
Right Out: 0.000+/-0.000 χ^2/NDF: 2776190.3/27

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: 17281235.8/98

- sign 0.000+/-0.000 χ^2/NDF: 8818889.8/50



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: 0.012+/-0.016 χ^2/NDF: 17.6/27

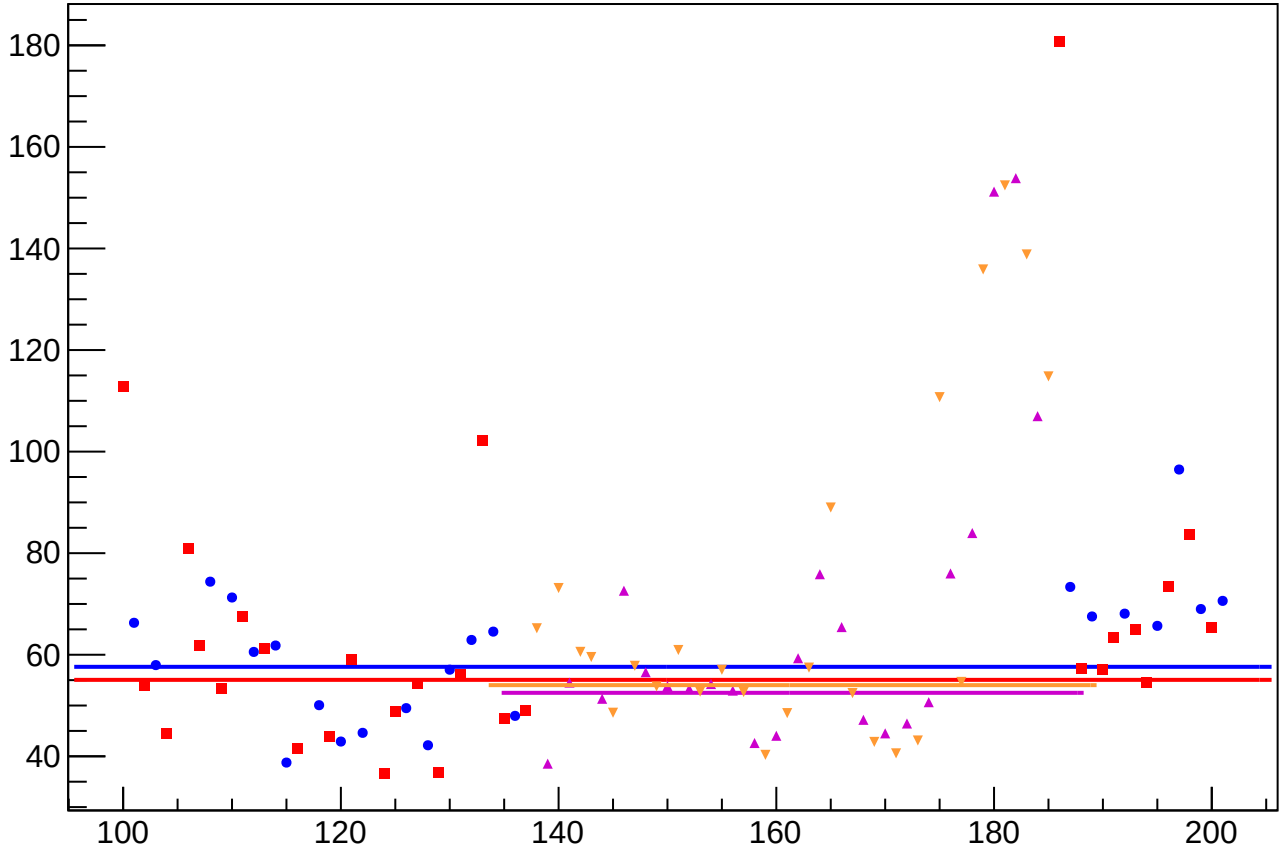
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.007+/-0.011 χ^2/NDF: 46.8/47

All: 0.003+/-0.007 χ^2/NDF: 97.6/98

- sign -0.001+/-0.010 χ^2/NDF: 50.6/50

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

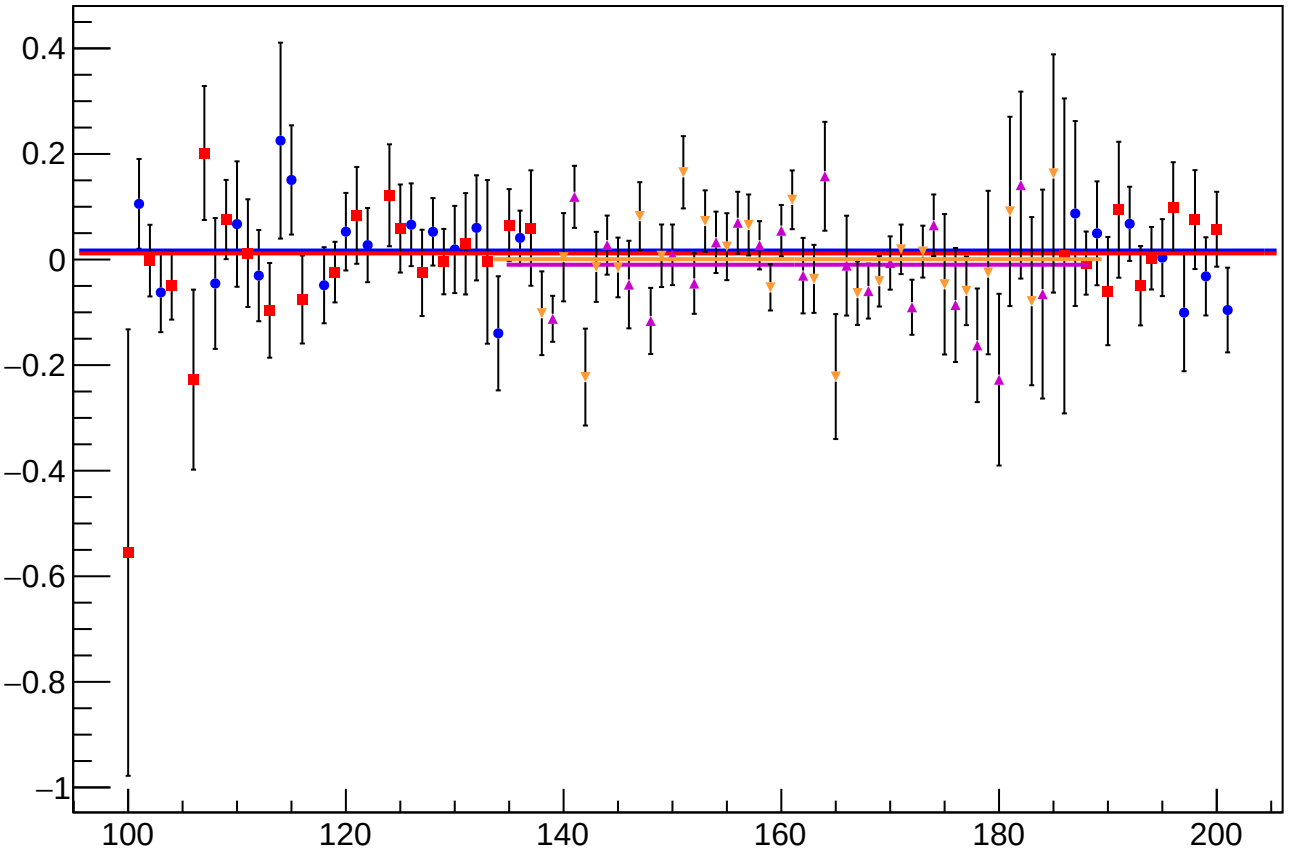
Right Out: 55.055+/-0.011 χ^2/NDF: 1513879.2/27

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 55.348+/-0.007 χ^2/NDF: 4279127.9/47

All: 54.418+/-0.005 χ^2/NDF: 8411688.1/98

- sign 53.552+/-0.007 χ^2/NDF: 4102303.1/50



Right In: 0.017+/-0.017 χ^2/NDF: 14.5/22

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

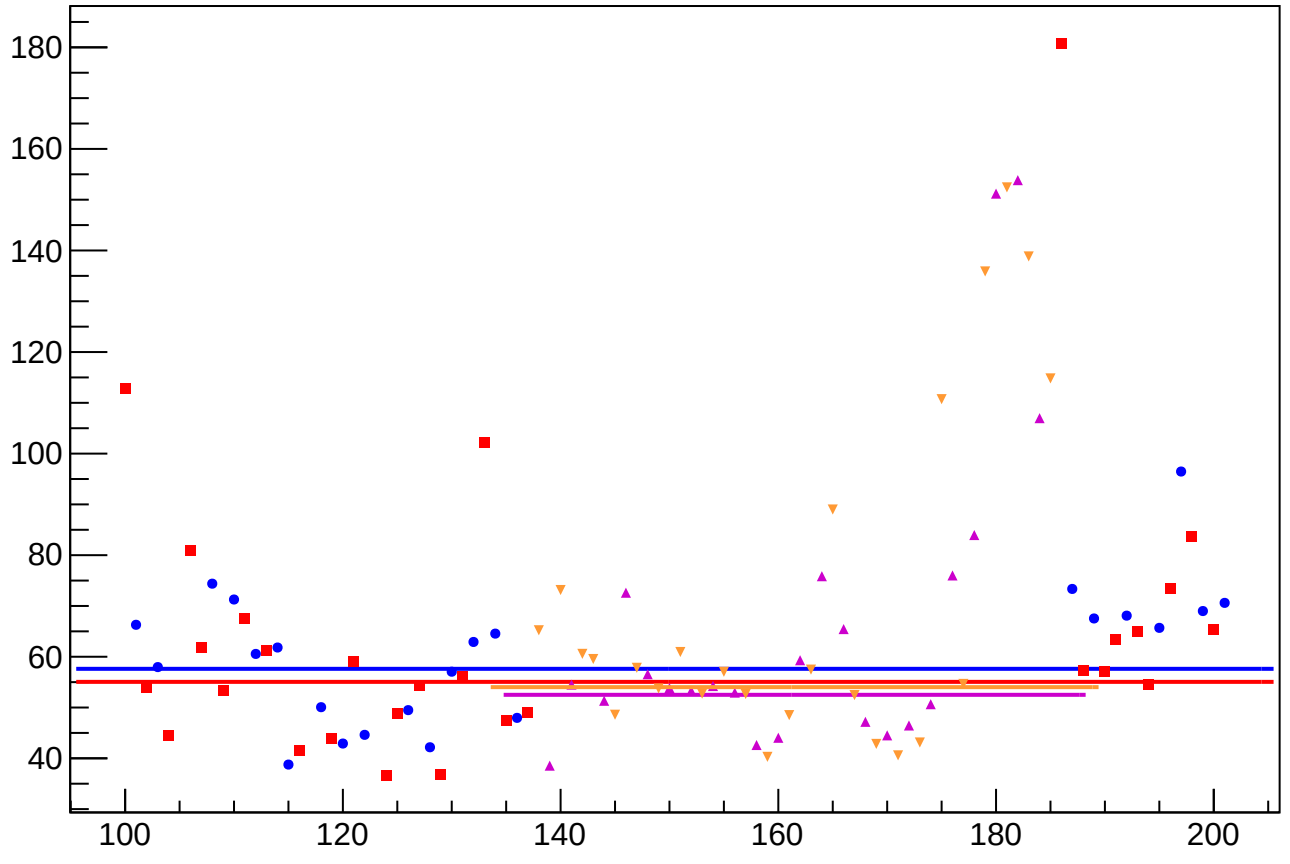
Right Out: 0.012+/-0.016 χ^2/NDF: 17.6/27

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: 97.6/98

- sign -0.001+/-0.010 χ^2/NDF: 50.6/50



Right In: 57.622+/-0.012 χ^2/NDF: 996648.2/22

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

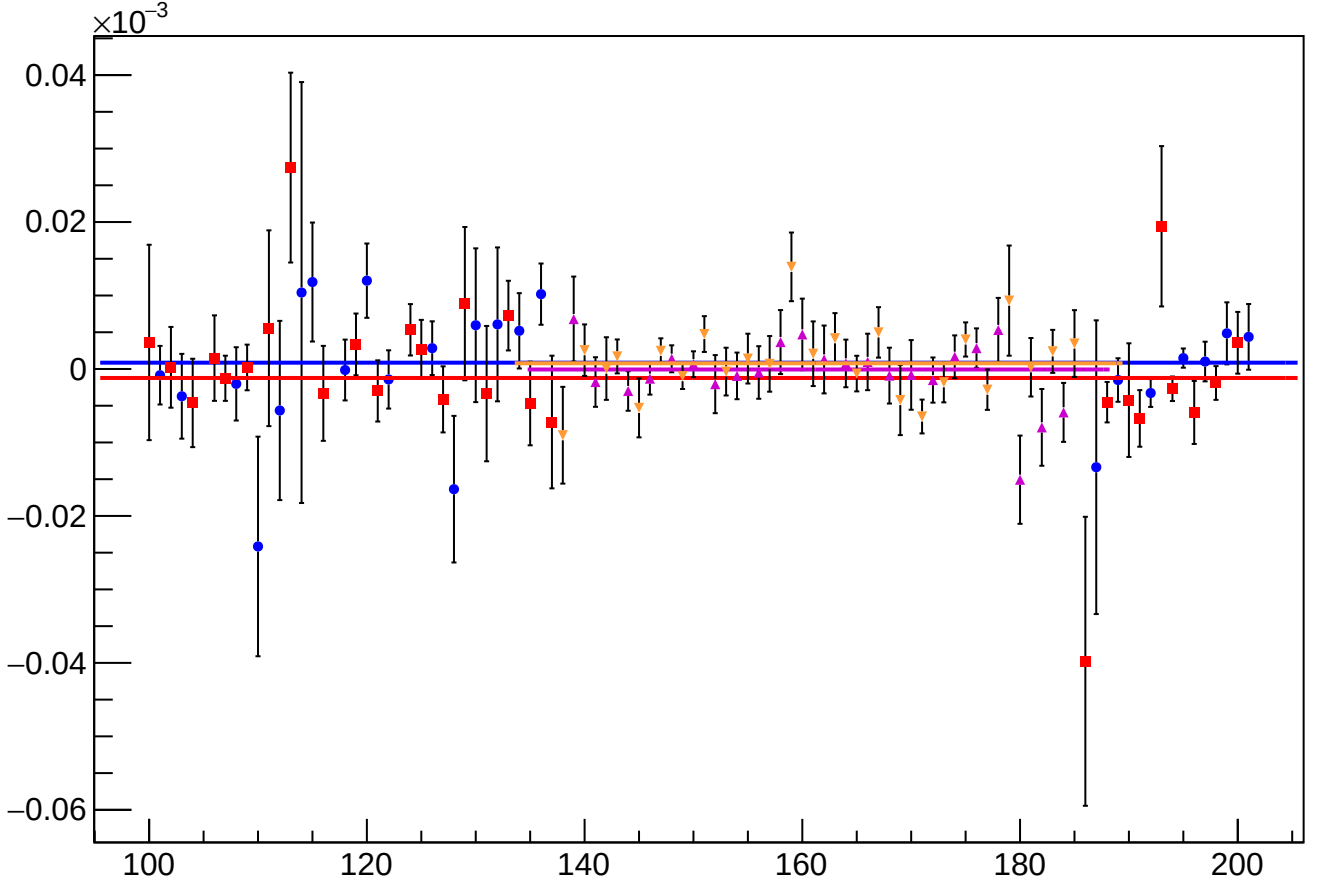
Right Out: 55.055+/-0.011 χ^2/NDF: 1513879.2/27

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 55.348+/-0.007 χ^2/NDF: 4279127.9/47

All: 54.418+/-0.005 χ^2/NDF: 8411688.1/98

- sign 53.552+/-0.007 χ^2/NDF: 4102303.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/22

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

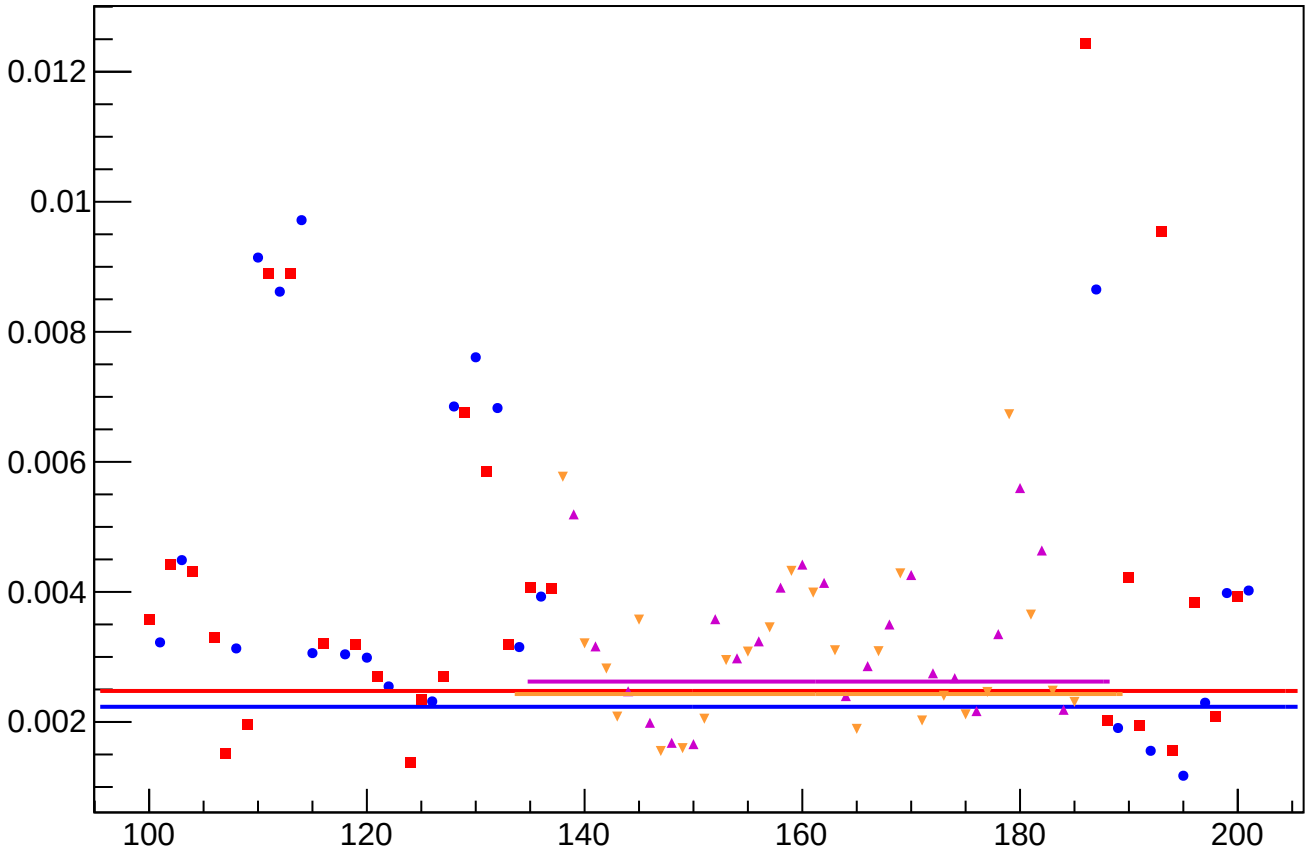
Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/27

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: 124.0/98

- sign -0.000+/-0.000 χ^2/NDF: 53.4/50



Right In: 0.002+/-0.000 χ^2/NDF: 5963904.5/22

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

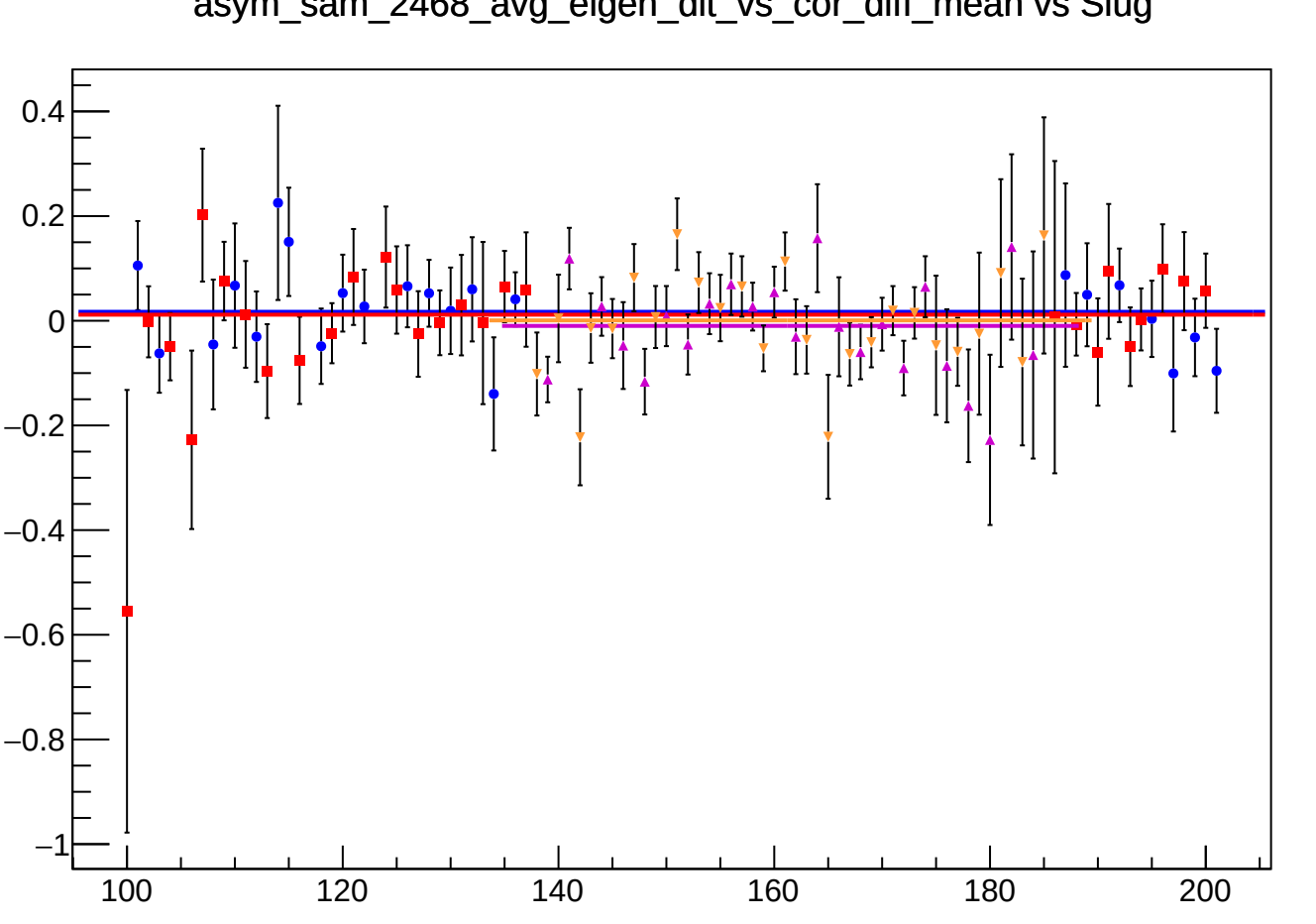
Right Out: 0.002+/-0.000 χ^2/NDF: 5511837.8/27

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: 19952149.3/98

- sign 0.003+/-0.000 χ^2/NDF: 9507033.7/50



Right In: 0.017+/-0.017 χ^2/NDF: 14.5/22

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

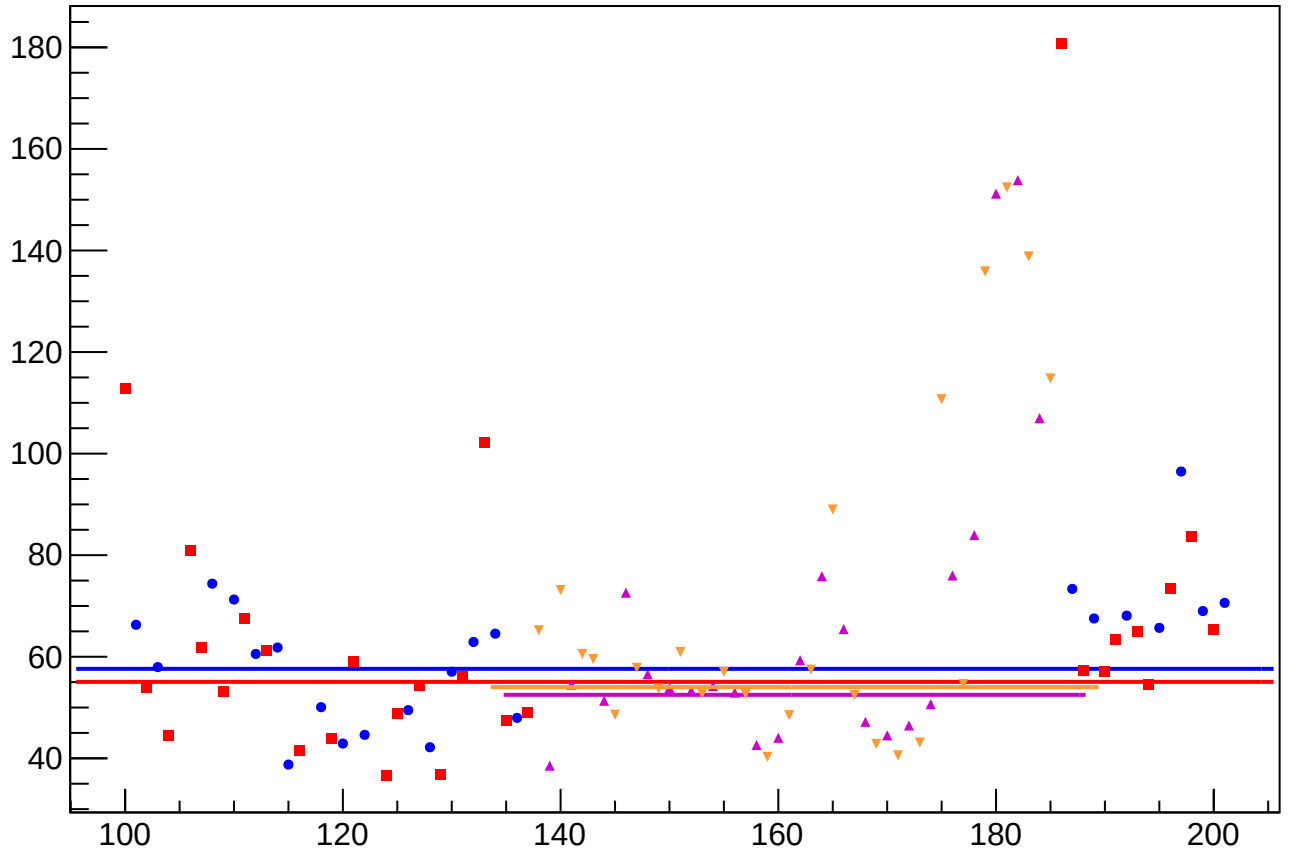
Right Out: 0.012+/-0.016 χ^2/NDF: 17.6/27

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: 97.6/98

- sign -0.001+/-0.010 χ^2/NDF: 50.6/50



Right In: 57.621+/-0.012 χ^2/NDF: 996648.5/22

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

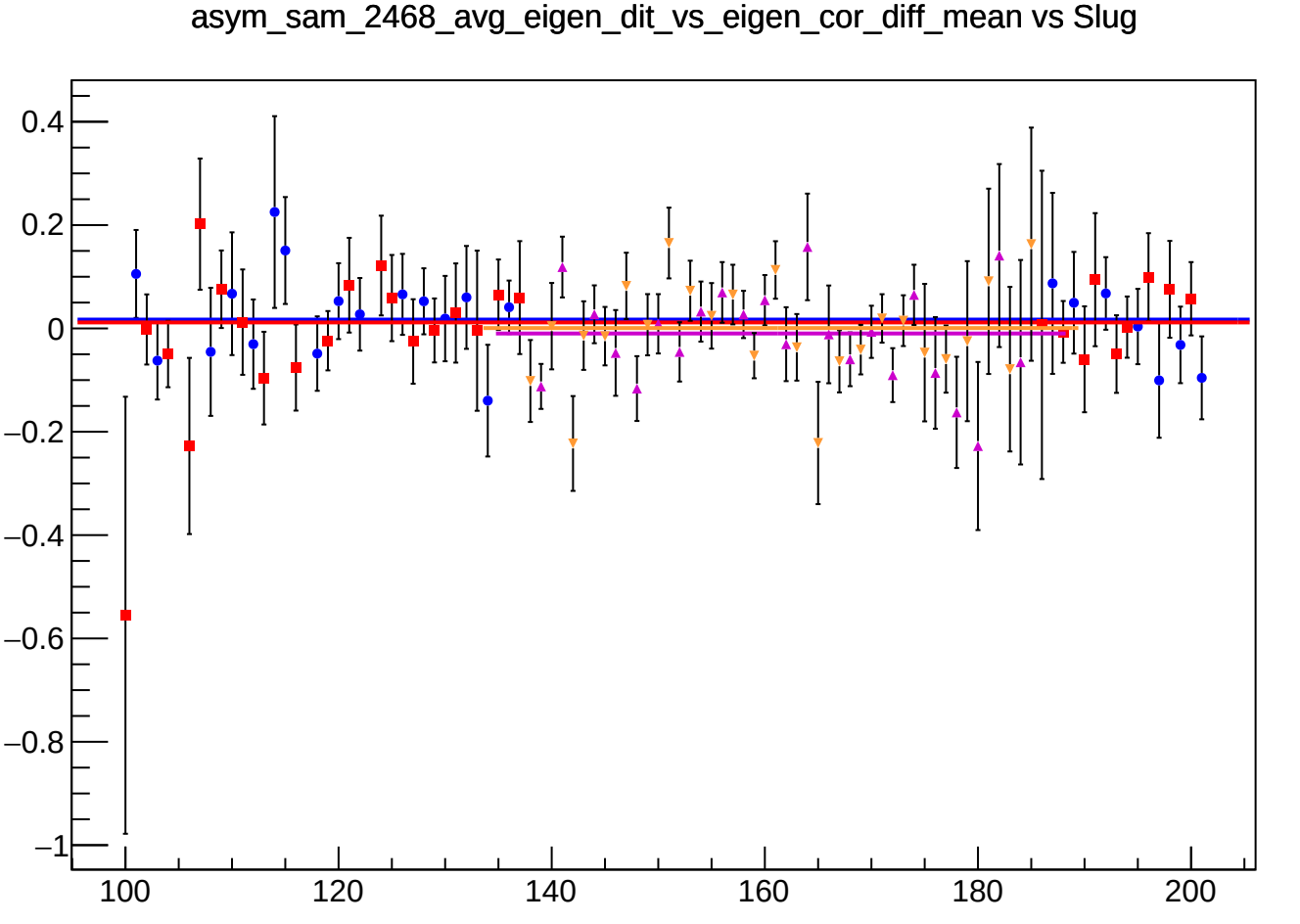
Right Out: 55.054+/-0.011 χ^2/NDF: 1513931.6/27

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 55.348+/-0.007 χ^2/NDF: 4279105.6/47

All: 54.418+/-0.005 χ^2/NDF: 8411734.2/98

- sign 53.551+/-0.007 χ^2/NDF: 4102370.4/50



Right In: 0.017+/-0.017 χ^2/NDF: 14.5/22

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

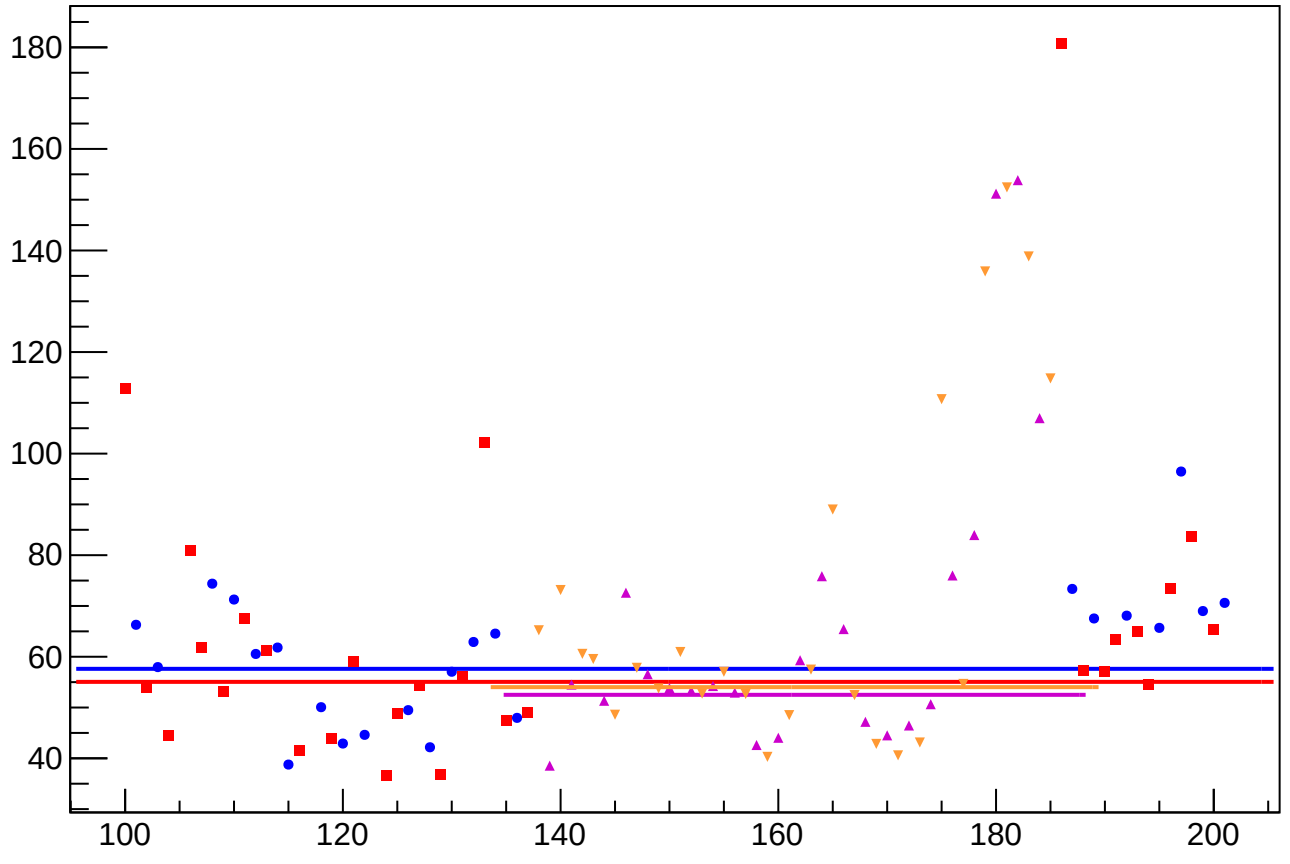
Right Out: 0.012+/-0.016 χ^2/NDF: 17.6/27

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: 97.6/98

- sign -0.001+/-0.010 χ^2/NDF: 50.6/50



Right In: 57.621+/-0.012 χ^2/NDF: 996648.5/22

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

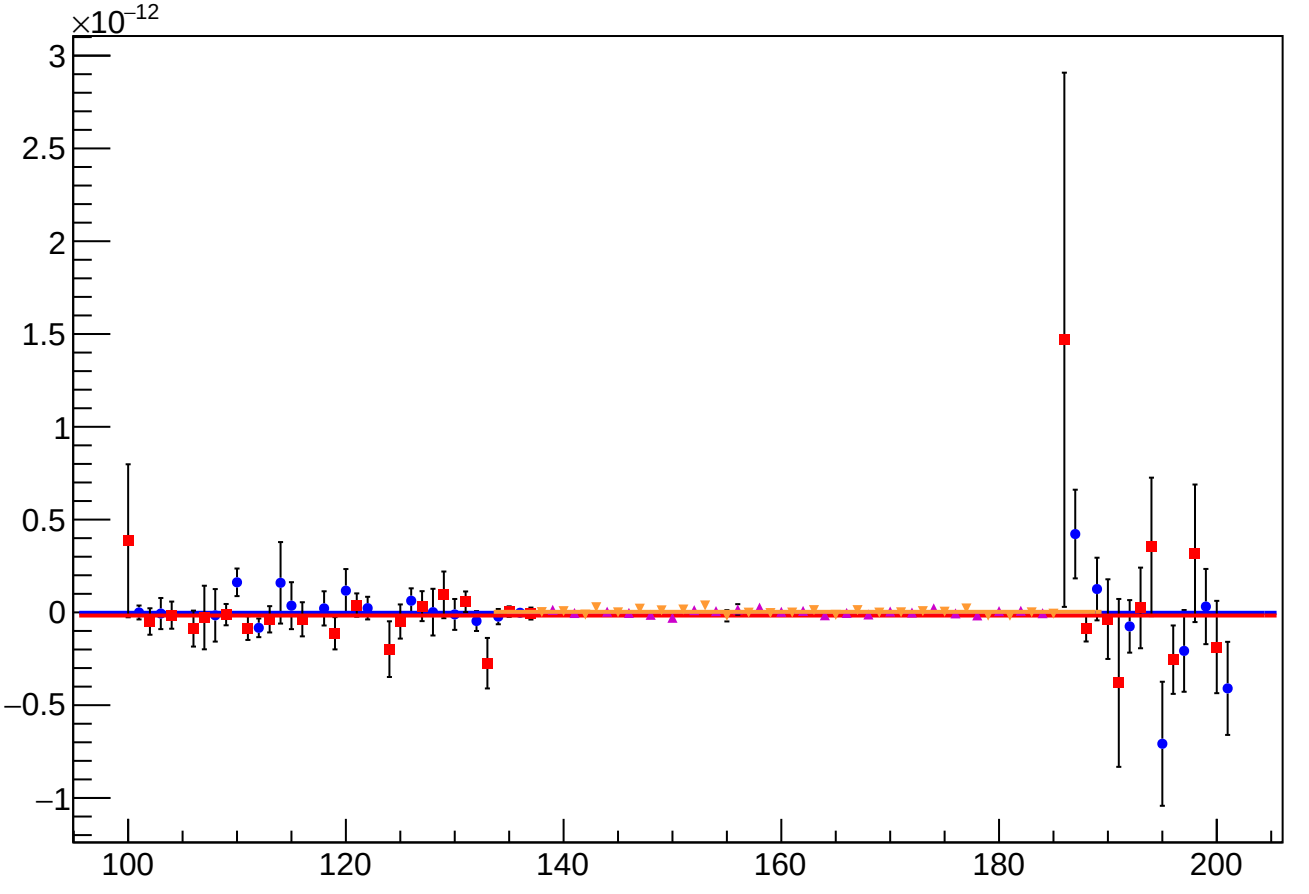
Right Out: 55.054+/-0.011 χ^2/NDF: 1513931.6/27

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 55.348+/-0.007 χ^2/NDF: 4279105.6/47

All: 54.418+/-0.005 χ^2/NDF: 8411734.2/98

- sign 53.551+/-0.007 χ^2/NDF: 4102370.4/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

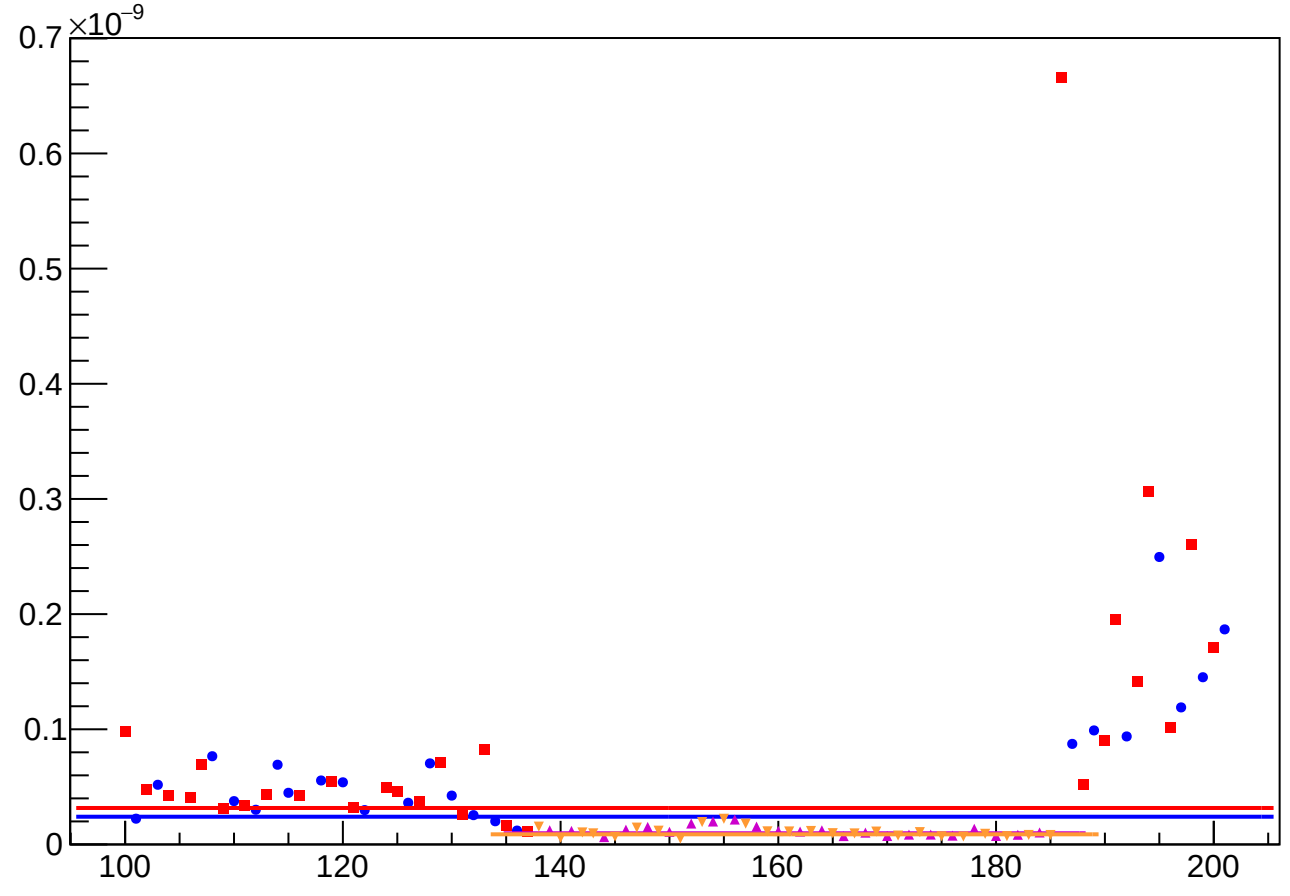
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/27

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: 82.8/98

- sign 0.000+/-0.000 χ^2/NDF: 37.3/50



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: 6743712.1/27

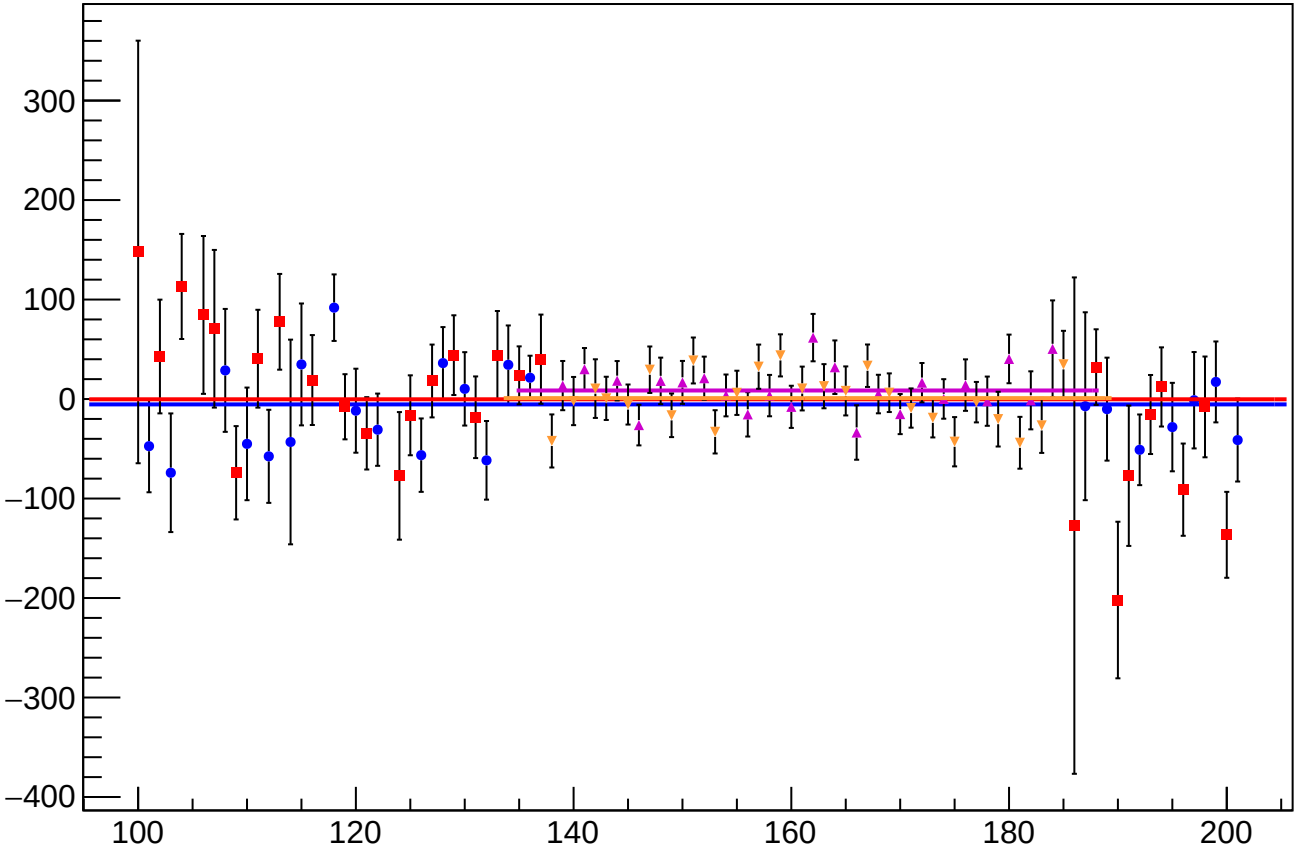
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12149469.7/47

All: 0.000+/-0.000 χ^2/NDF: 26046251.1/98

- sign 0.000+/-0.000 χ^2/NDF: 13737480.1/50

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: -0.248+/-8.699 χ^2/NDF: 43.1/27

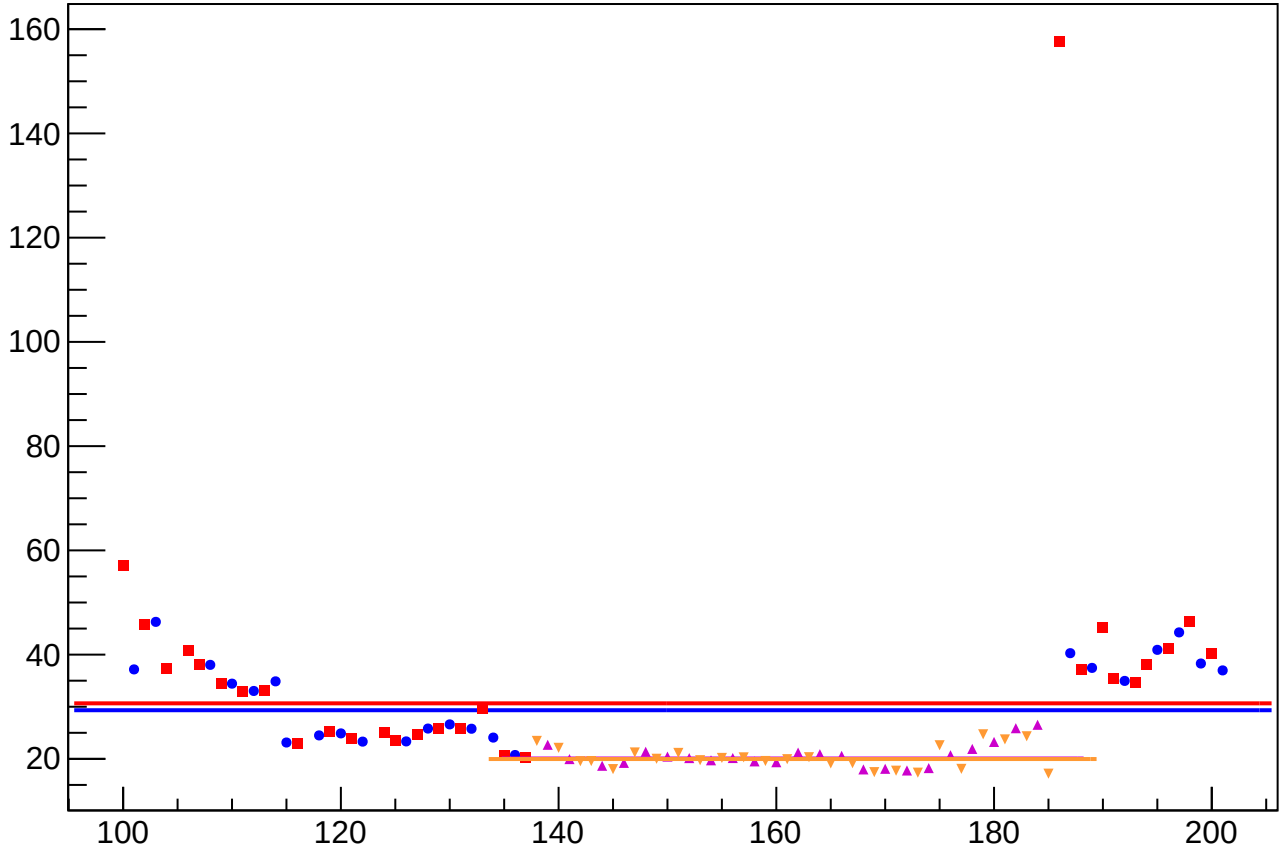
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.455+/-4.046 χ^2/NDF: 54.2/47

All: 2.975+/-2.897 χ^2/NDF: 118.9/98

- sign 6.585+/-4.151 χ^2/NDF: 63.2/50

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

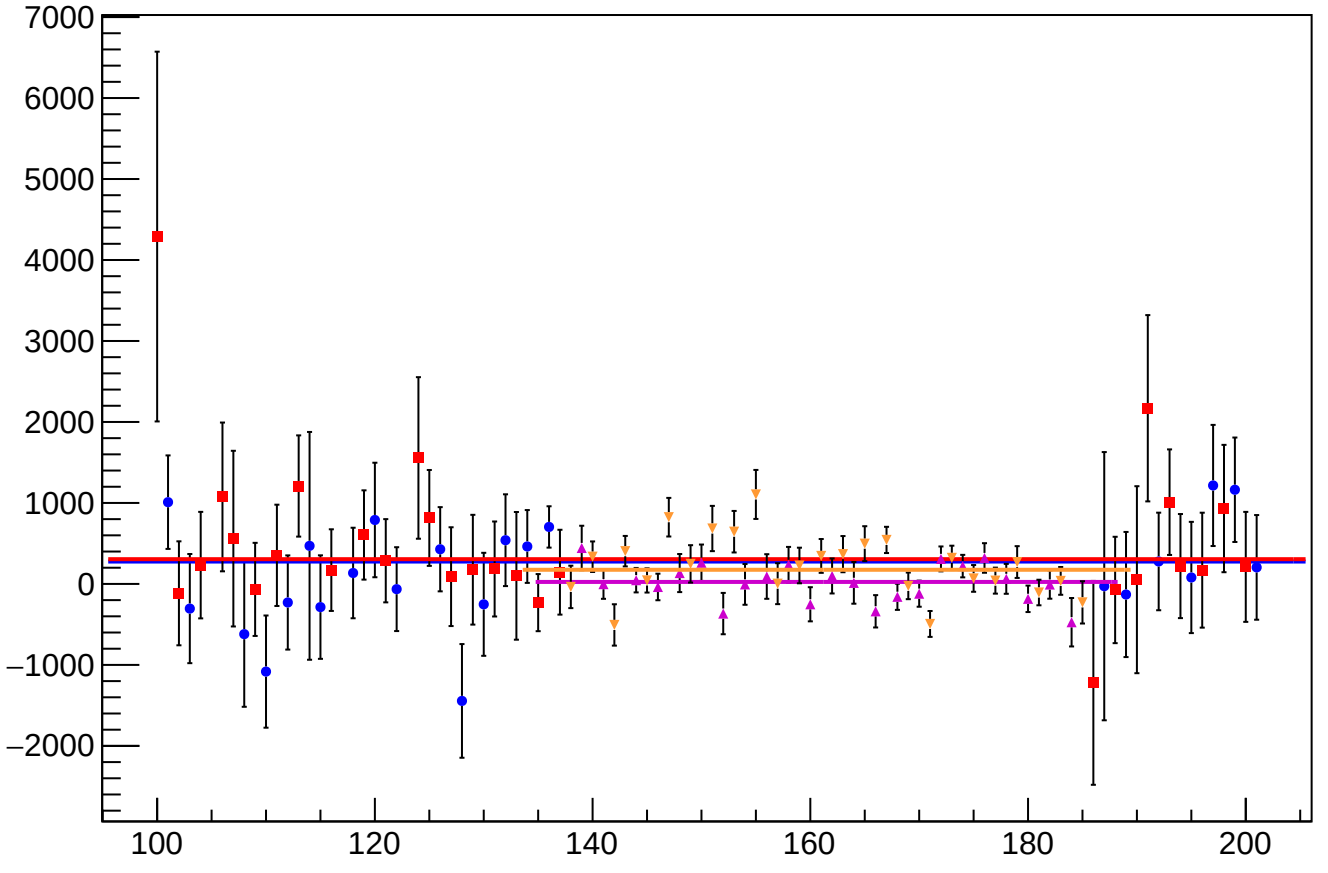
Right Out: 30.654+/-0.006 χ^2/NDF: 2129758.2/27

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.006+/-0.003 χ^2/NDF: 3694645.9/47

All: 22.238+/-0.002 χ^2/NDF: 8425026.0/98

- sign 22.482+/-0.003 χ^2/NDF: 4716922.9/50



Right In: 276.337+/-120.845 χ^2/NDF: 23.6/22

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

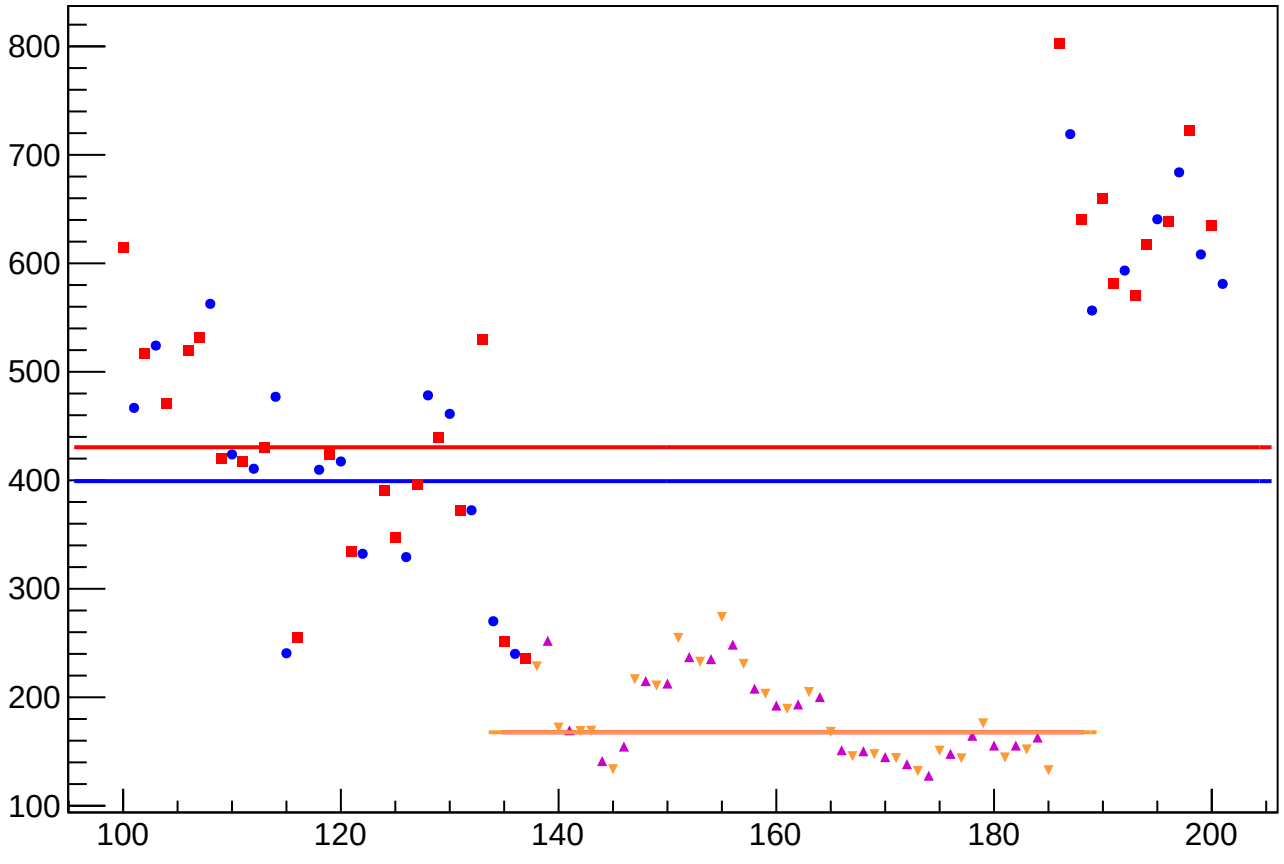
Right Out: 305.675+/-123.045 χ^2/NDF: 18.5/27

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 184.302+/-37.157 χ^2/NDF: 95.5/47

All: 119.586+/-26.602 χ^2/NDF: 151.8/98

- sign 51.540+/-38.101 χ^2/NDF: 50.1/50



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: 430.476+/-0.087 χ^2/NDF: 2681485.1/27

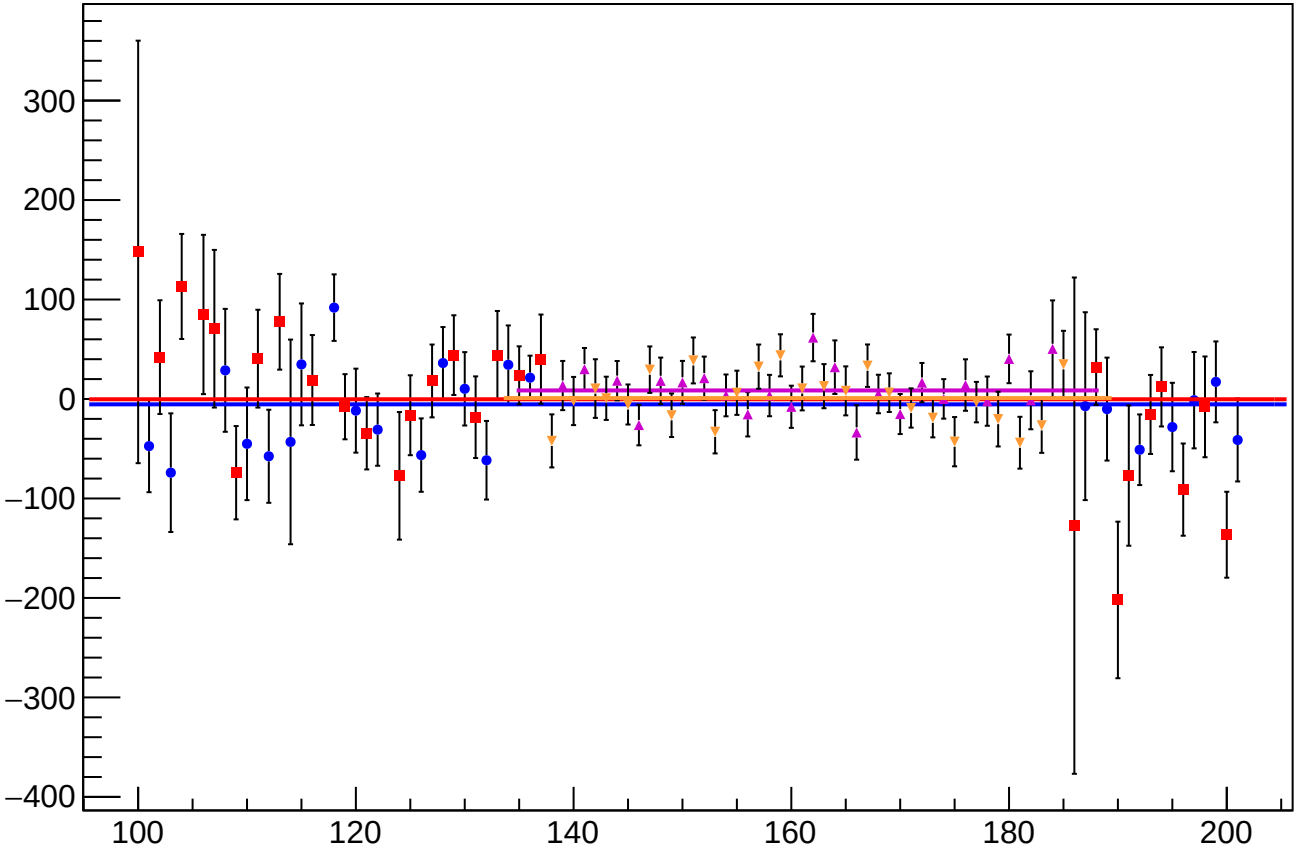
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 189.639+/-0.026 χ^2/NDF: 10851141.5/47

All: 191.248+/-0.019 χ^2/NDF: 23187438.0/98

- sign 192.939+/-0.027 χ^2/NDF: 12328605.8/50

cor_asym_sam_1357_2468_dd_mean vs Slug



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: -0.279+/-8.700 χ^2/NDF: 43.0/27

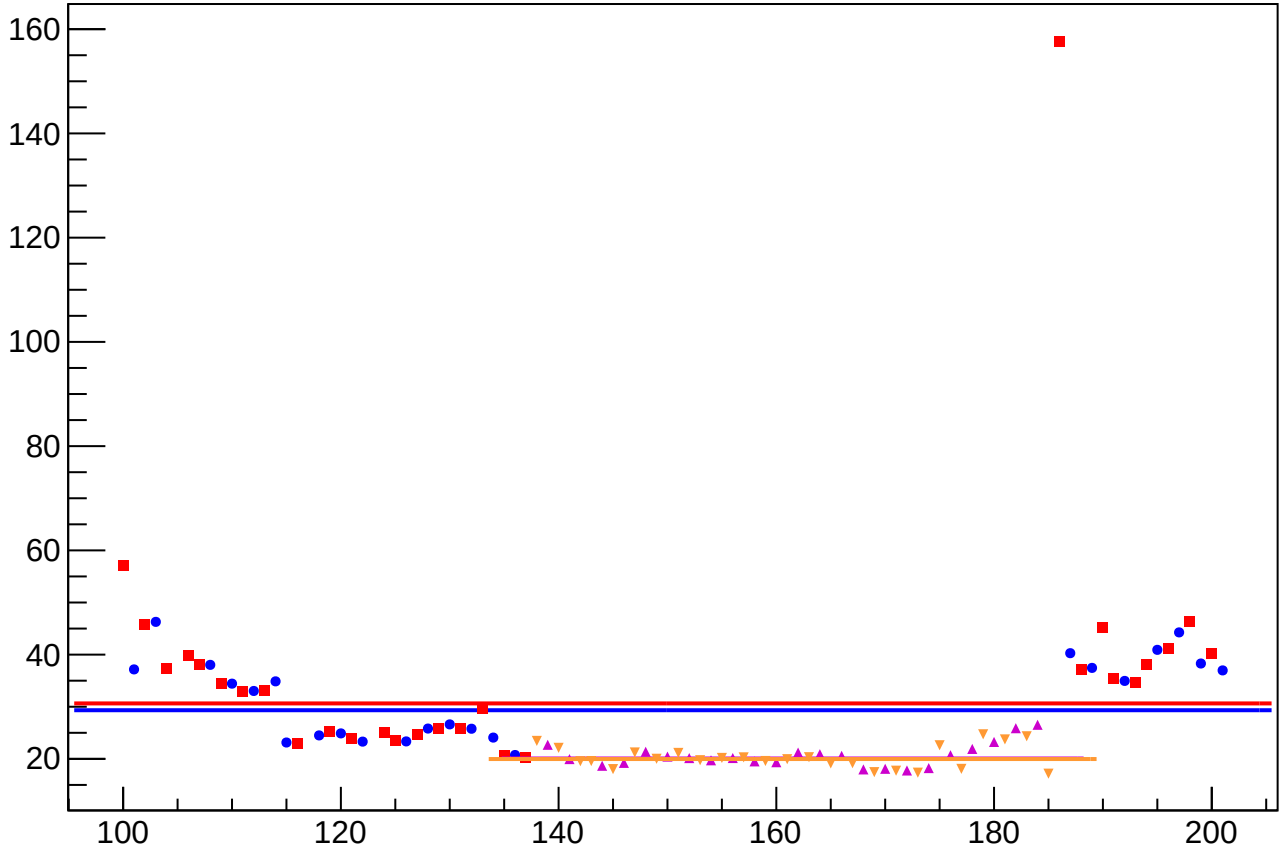
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.456+/-4.046 χ^2/NDF: 54.2/47

All: 2.971+/-2.897 χ^2/NDF: 118.9/98

- sign 6.579+/-4.151 χ^2/NDF: 63.2/50

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

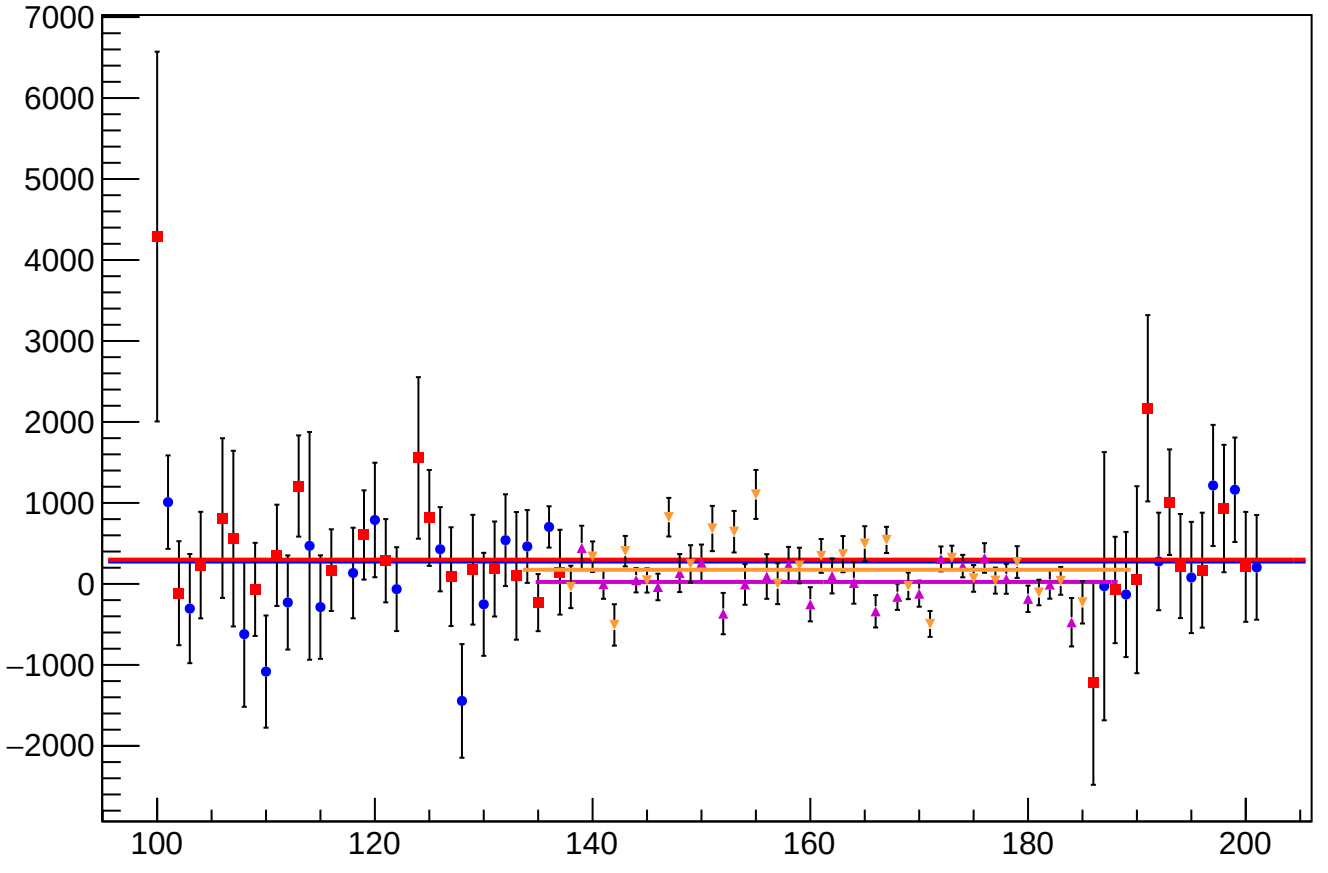
Right Out: 30.639+/-0.006 χ^2/NDF: 2122855.7/27

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.006+/-0.003 χ^2/NDF: 3694649.3/47

All: 22.236+/-0.002 χ^2/NDF: 8411062.3/98

- sign 22.478+/-0.003 χ^2/NDF: 4703172.4/50



Right In: 276.331+/-120.846 χ^2/NDF: 23.6/22

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

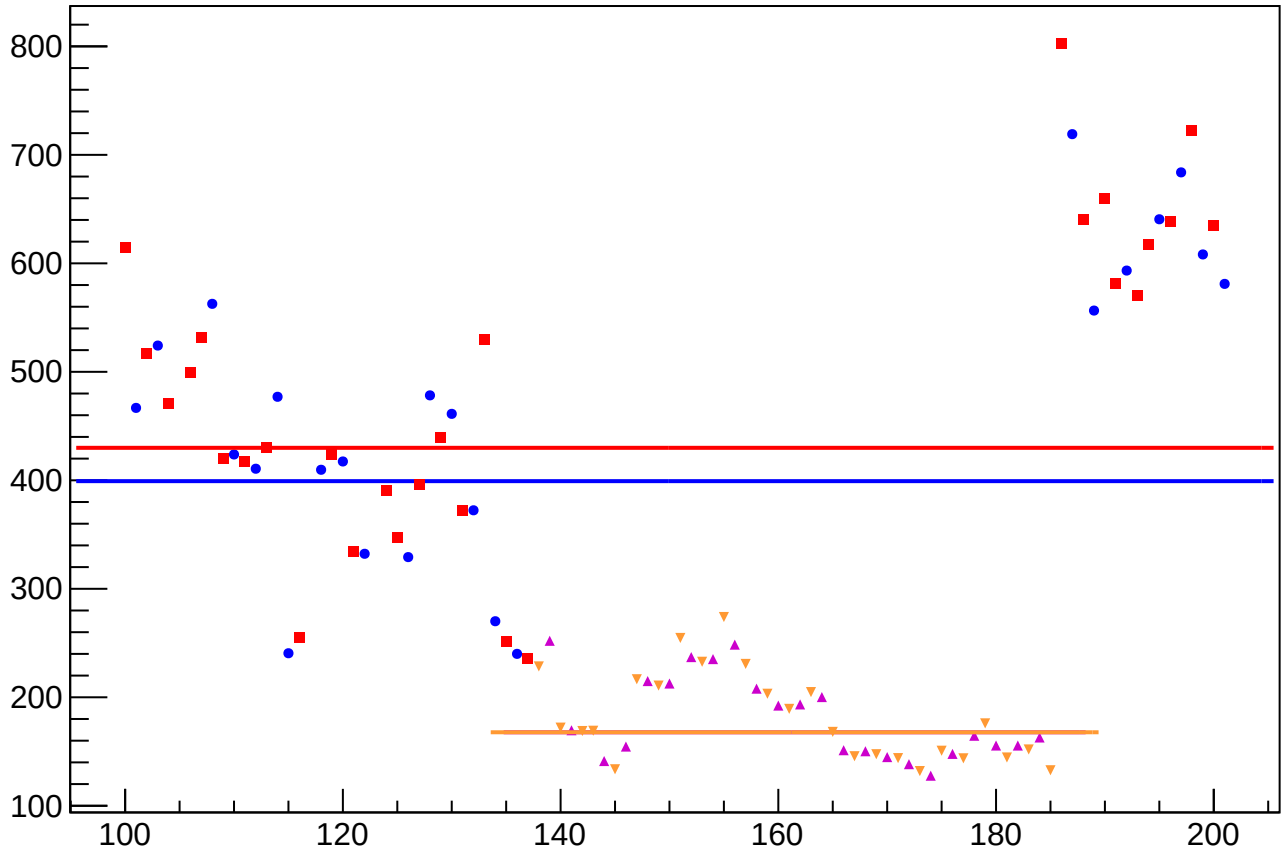
Right Out: 299.846+/-123.193 χ^2/NDF: 18.0/27

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 184.300+/-37.157 χ^2/NDF: 95.5/47

All: 119.292+/-26.603 χ^2/NDF: 151.2/98

- sign 50.925+/-38.105 χ^2/NDF: 49.4/50



Right In: 399.234+/-0.085 χ^2/NDF: 2628464.7/22

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

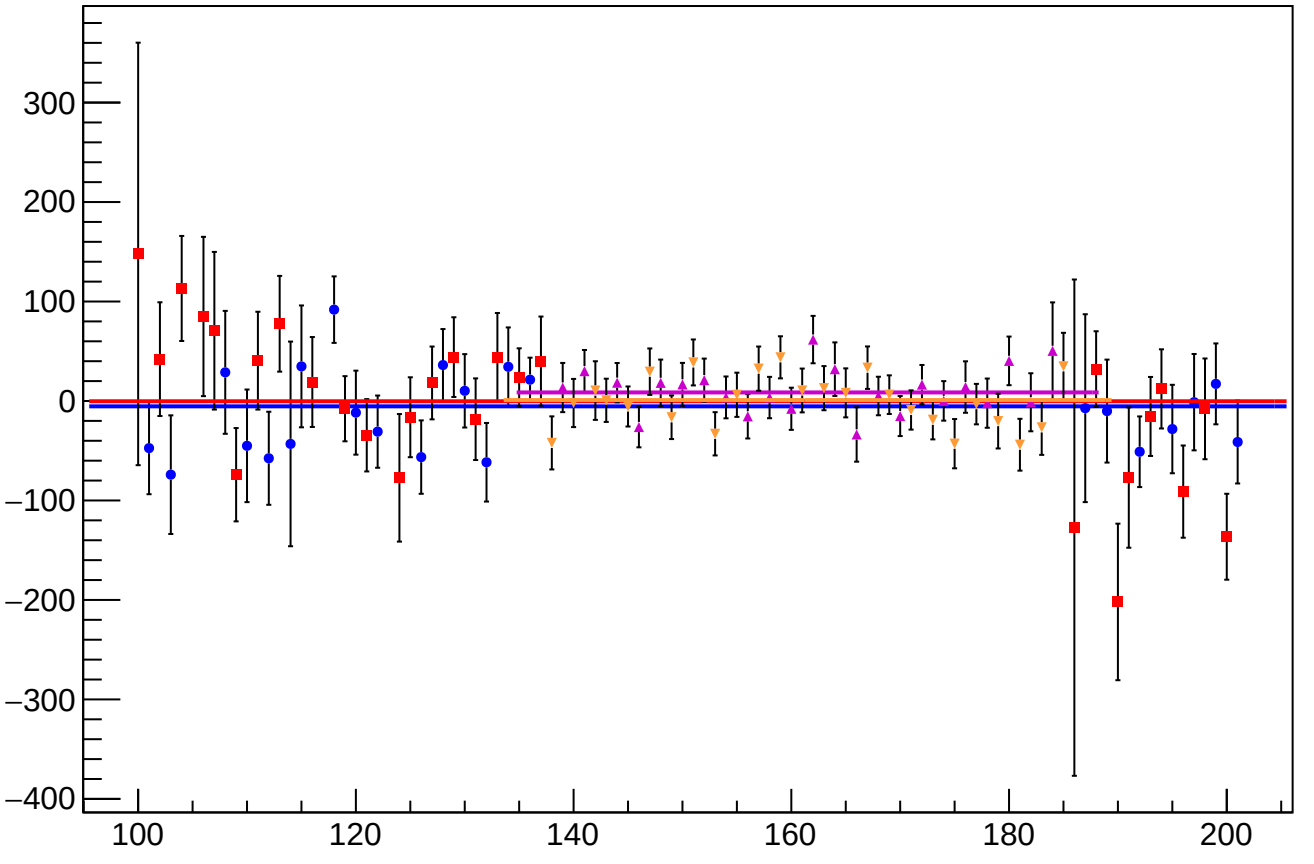
Right Out: 429.953+/-0.087 χ^2/NDF: 2672492.4/27

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 189.639+/-0.026 χ^2/NDF: 10851165.2/47

All: 191.197+/-0.019 χ^2/NDF: 23127396.5/98

- sign 192.835+/-0.027 χ^2/NDF: 12269020.5/50



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: -0.279+/-8.700 χ^2/NDF: 43.0/27

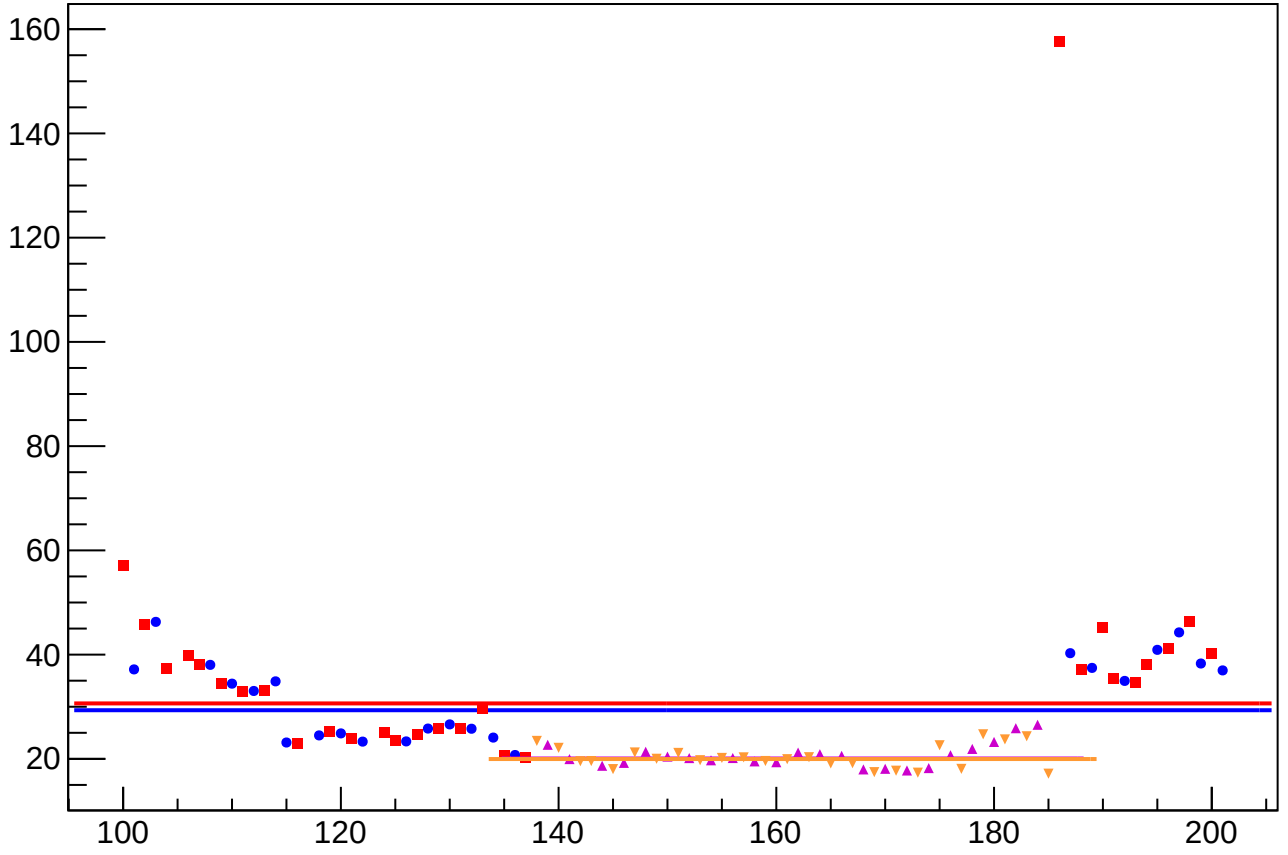
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.456+/-4.046 χ^2/NDF: 54.2/47

All: 2.971+/-2.897 χ^2/NDF: 118.9/98

- sign 6.579+/-4.151 χ^2/NDF: 63.2/50

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

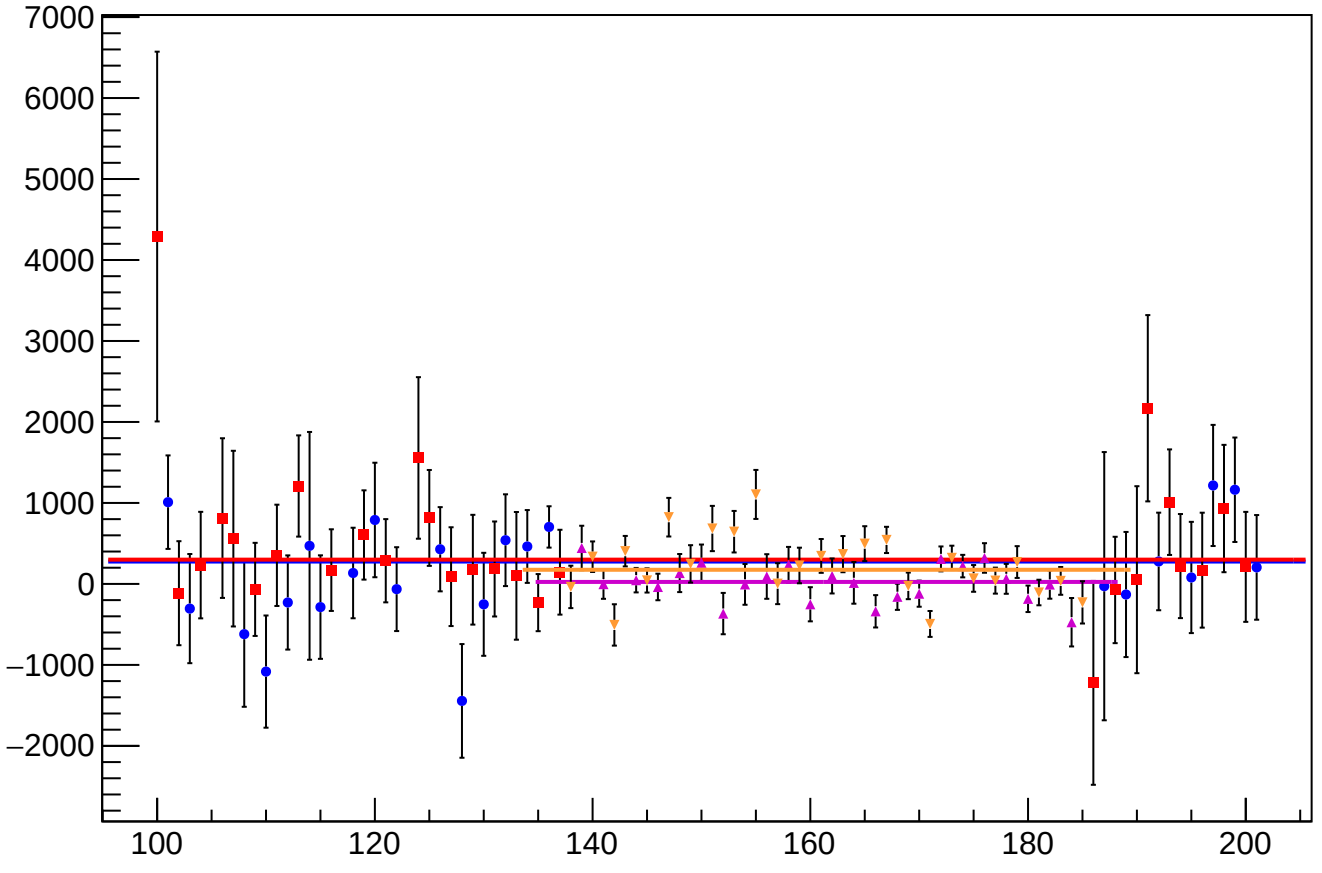
Right Out: 30.639+/-0.006 χ^2/NDF: 2122855.7/27

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.006+/-0.003 χ^2/NDF: 3694649.3/47

All: 22.236+/-0.002 χ^2/NDF: 8411062.3/98

- sign 22.478+/-0.003 χ^2/NDF: 4703172.4/50



Right In: 276.331+/-120.846 χ^2/NDF: 23.6/22

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

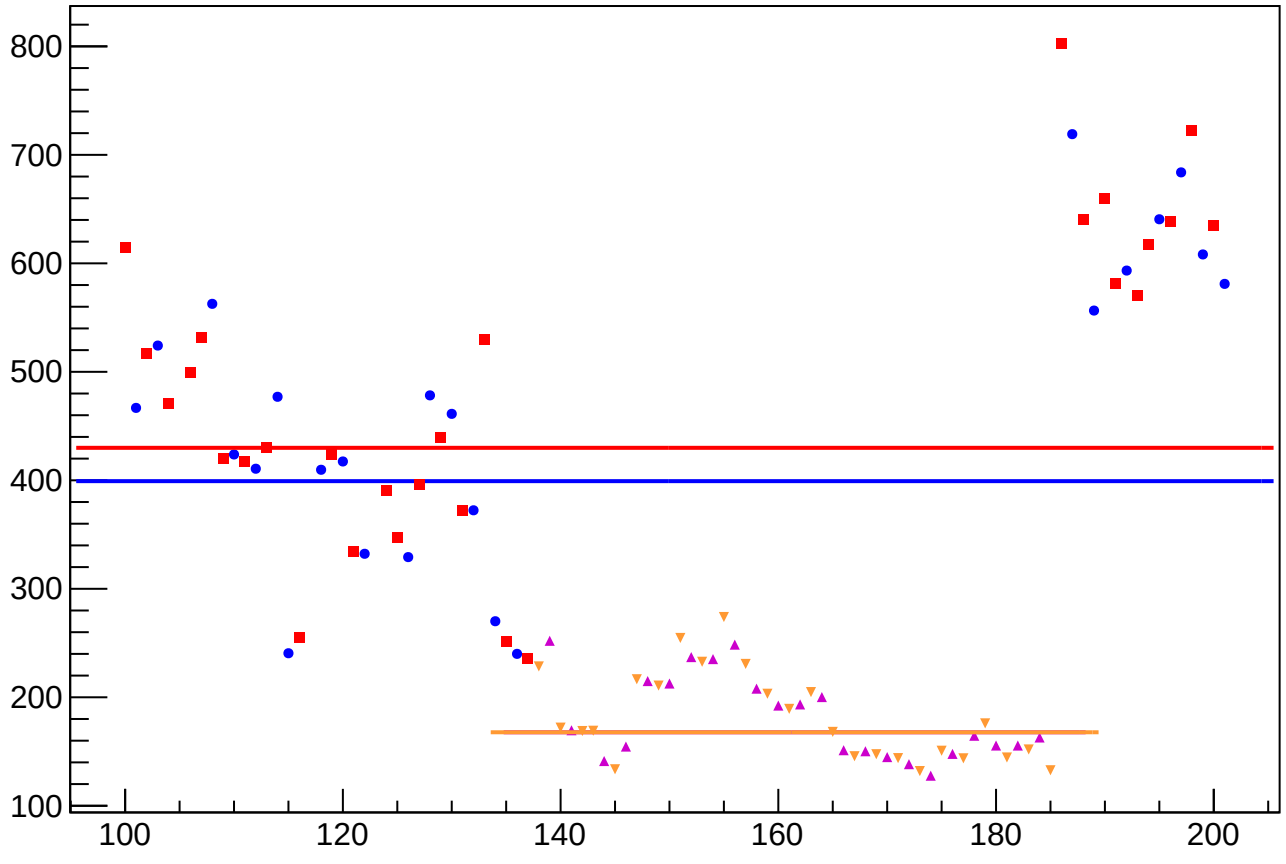
Right Out: 299.846+/-123.193 χ^2/NDF: 18.0/27

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 184.300+/-37.157 χ^2/NDF: 95.5/47

All: 119.292+/-26.603 χ^2/NDF: 151.2/98

- sign 50.925+/-38.105 χ^2/NDF: 49.4/50



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: 429.953+/-0.087 χ^2/NDF: 2672492.4/27

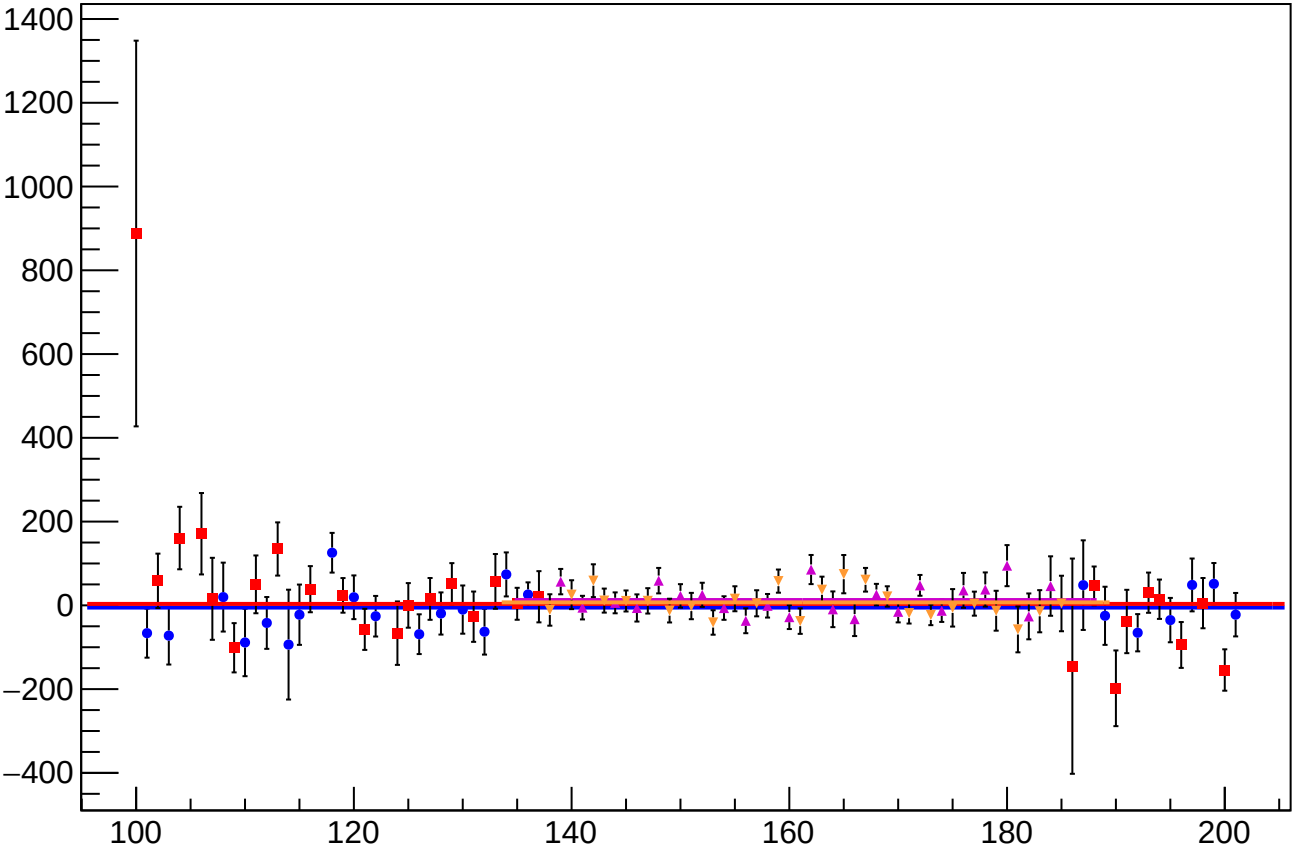
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 189.639+/-0.026 χ^2/NDF: 10851165.2/47

All: 191.197+/-0.019 χ^2/NDF: 23127396.5/98

- sign 192.835+/-0.027 χ^2/NDF: 12269020.5/50

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: 3.439+/-11.047 χ^2/NDF: 45.0/27

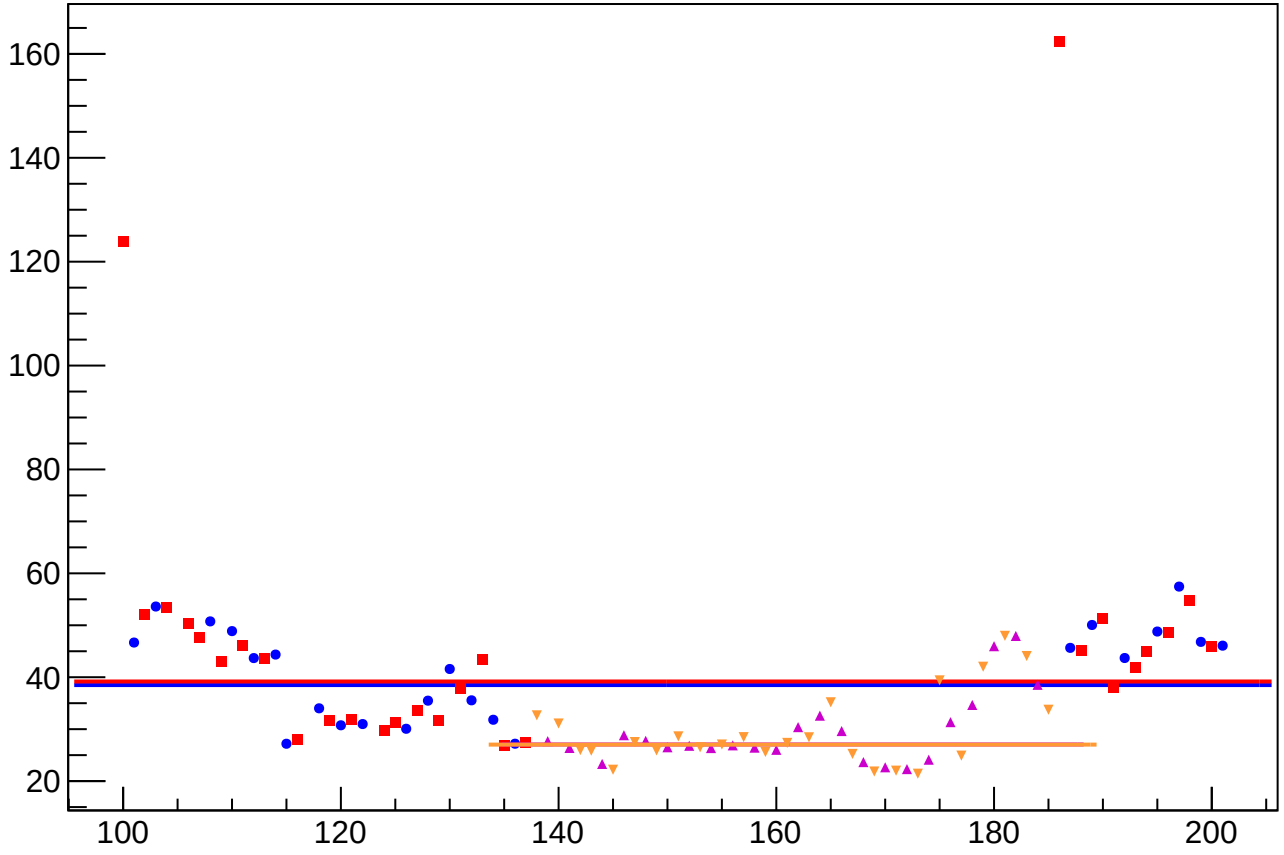
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 4.148+/-5.531 χ^2/NDF: 46.7/47

All: 7.184+/-3.939 χ^2/NDF: 118.5/98

- sign 10.309+/-5.611 χ^2/NDF: 71.1/50

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

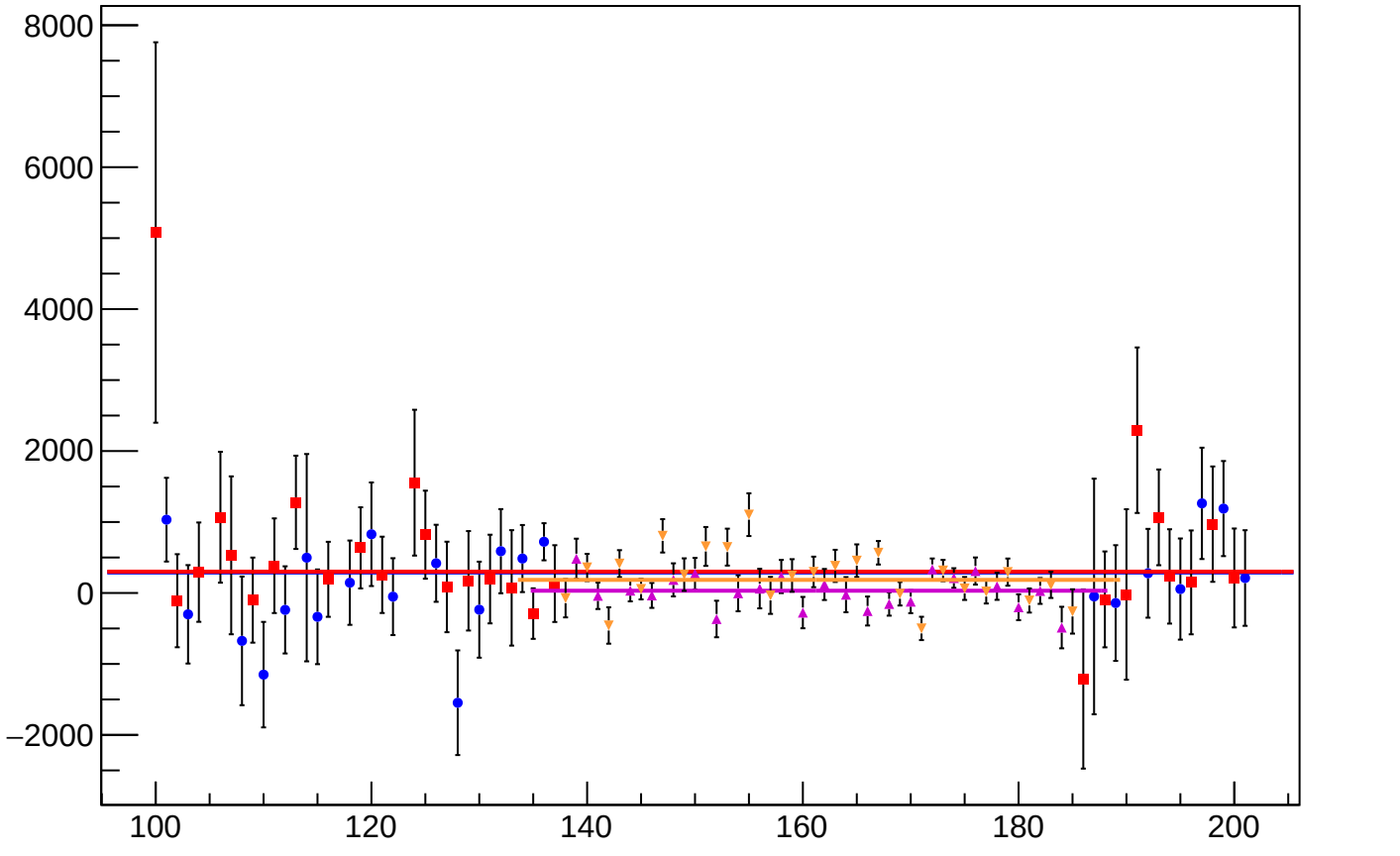
Right Out: 39.180+/-0.008 χ^2/NDF: 1723054.0/27

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 29.747+/-0.004 χ^2/NDF: 4238805.5/47

All: 29.961+/-0.003 χ^2/NDF: 8801064.4/98

- sign 30.181+/-0.004 χ^2/NDF: 4556207.3/50



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: 300.816+/-127.495 χ^2/NDF: 19.5/27

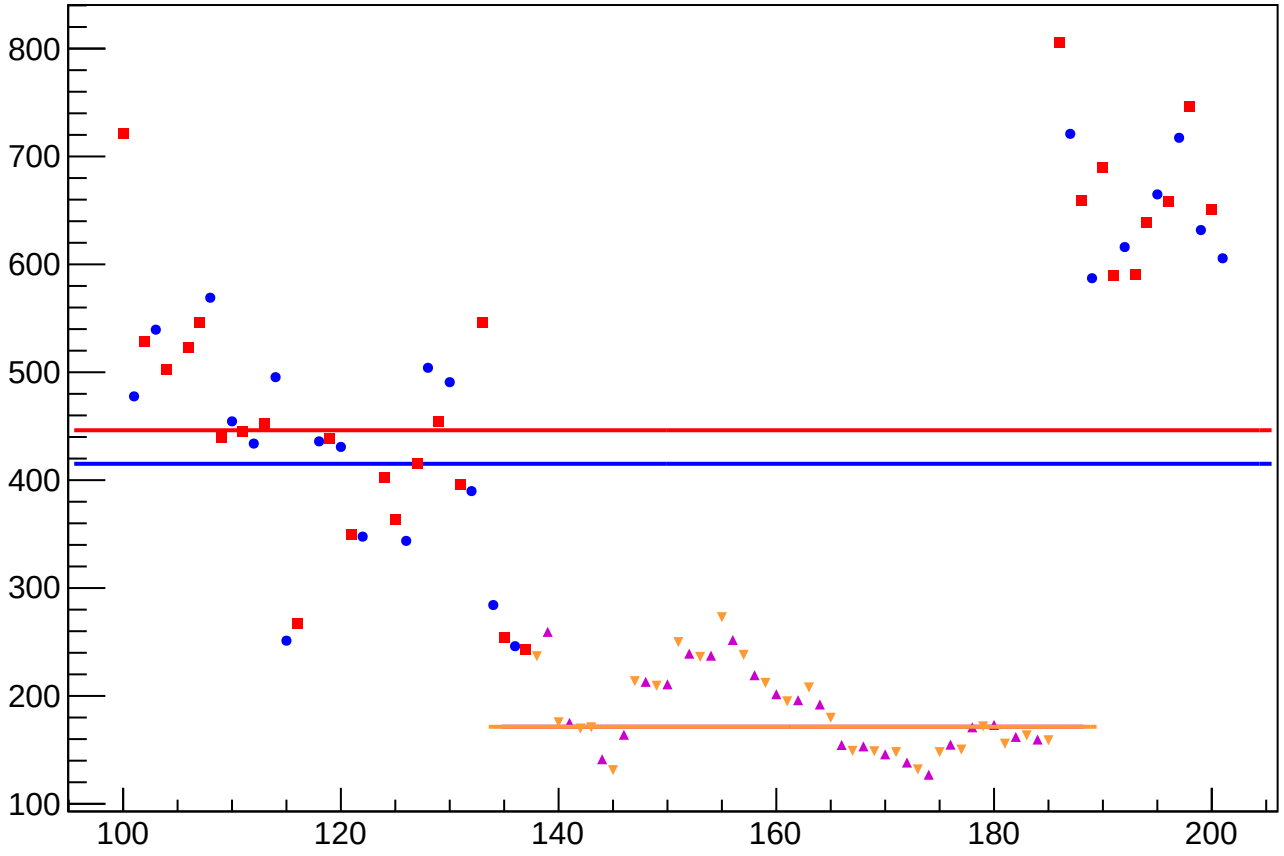
Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 194.187+/-37.972 χ^2/NDF: 92.0/47

All: 127.476+/-27.210 χ^2/NDF: 148.2/98

- sign 57.067+/-39.010 χ^2/NDF: 49.9/50

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



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: 446.252+/-0.090 χ^2/NDF: 2685512.3/27

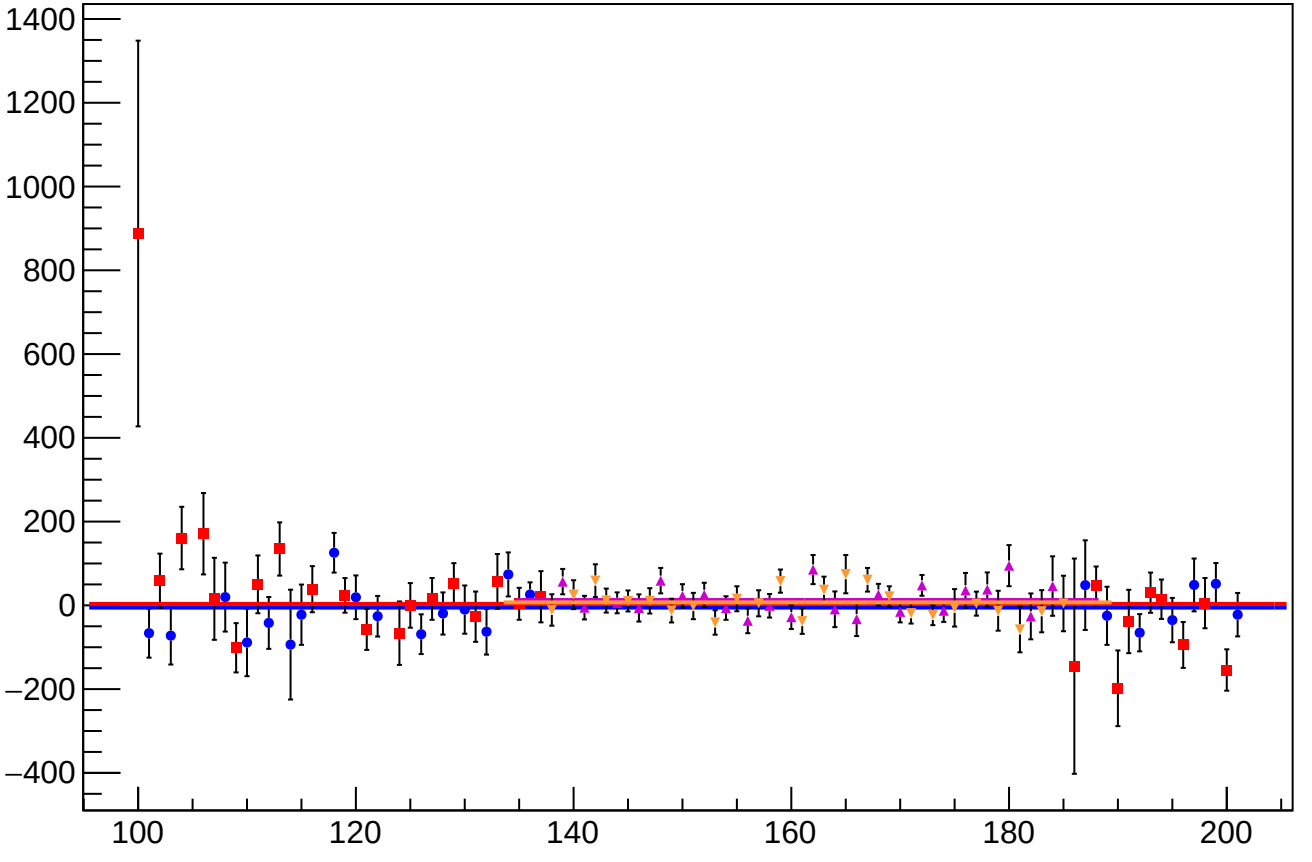
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 193.662+/-0.027 χ^2/NDF: 11027605.2/47

All: 195.390+/-0.019 χ^2/NDF: 23556488.7/98

- sign 197.212+/-0.028 χ^2/NDF: 12520378.3/50

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: 3.439+/-11.047 χ^2/NDF: 45.0/27

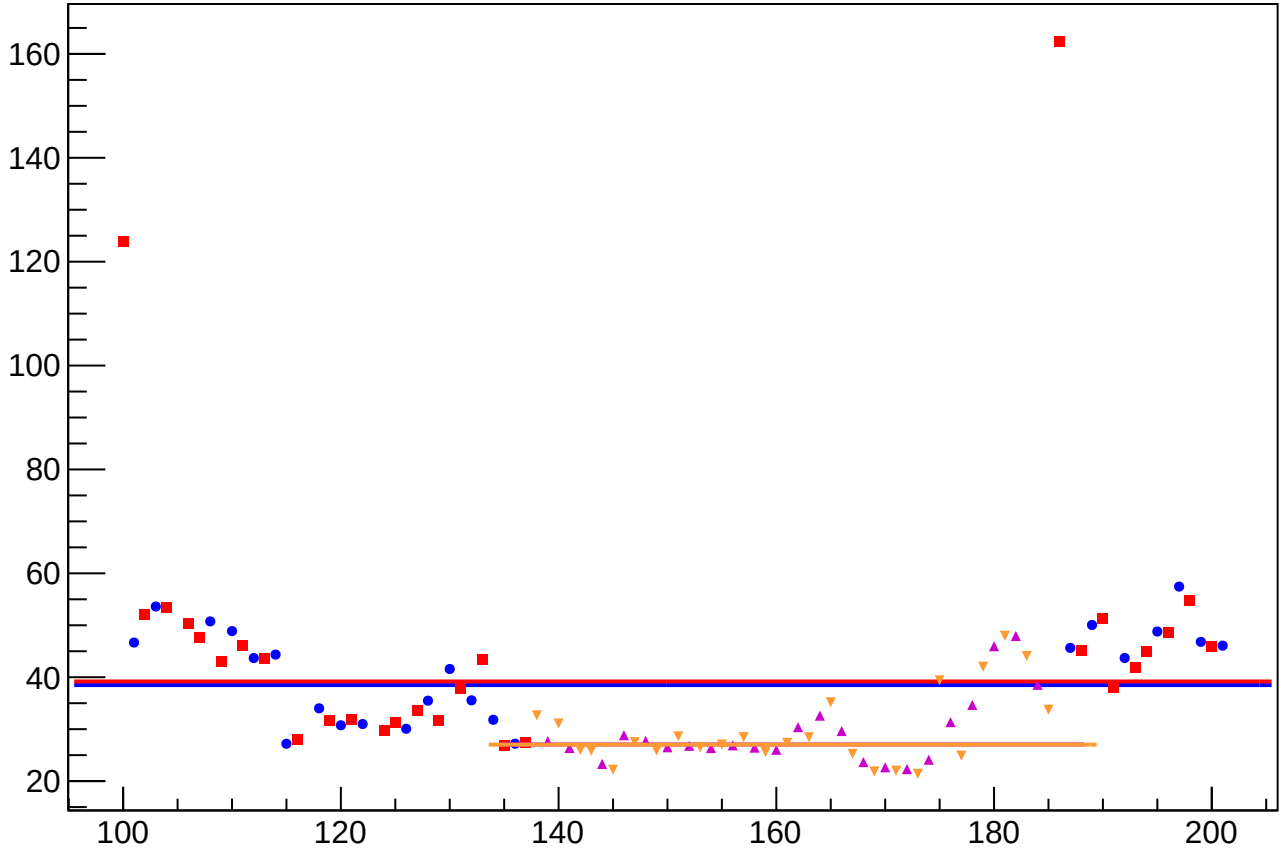
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 4.147+/-5.531 χ^2/NDF: 46.7/47

All: 7.184+/-3.939 χ^2/NDF: 118.5/98

- sign 10.309+/-5.611 χ^2/NDF: 71.1/50

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: 39.180+/-0.008 χ^2/NDF: 1723067.4/27

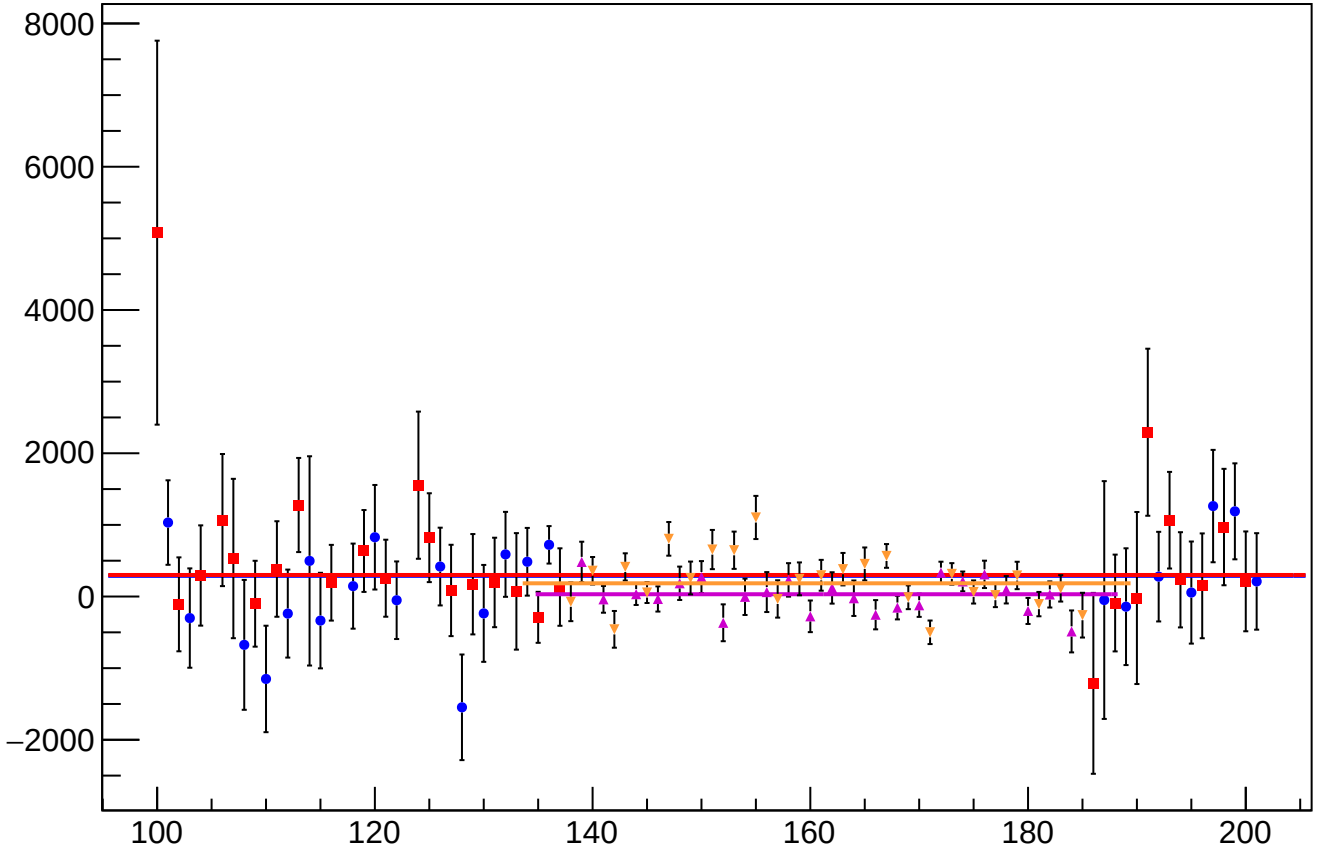
Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 29.747+/-0.004 χ^2/NDF: 4238704.5/47

All: 29.961+/-0.003 χ^2/NDF: 8800852.1/98

- sign 30.181+/-0.004 χ^2/NDF: 4556096.6/50

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 288.947+/-125.718 χ^2/NDF: 23.6/22

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

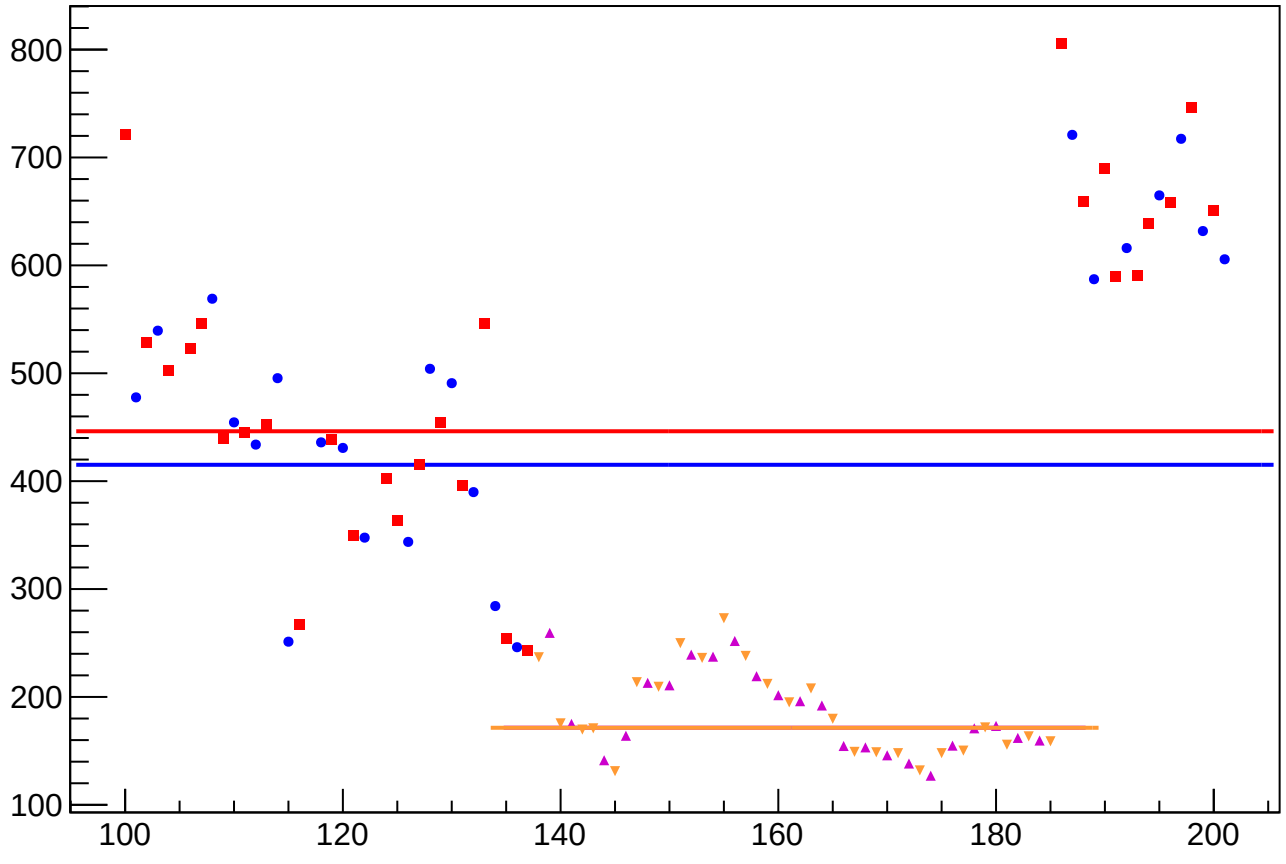
Right Out: 300.816+/-127.495 χ^2/NDF: 19.5/27

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 194.187+/-37.972 χ^2/NDF: 92.0/47

All: 127.476+/-27.210 χ^2/NDF: 148.2/98

- sign 57.067+/-39.010 χ^2/NDF: 49.9/50



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: 446.251+/-0.090 χ^2/NDF: 2685521.3/27

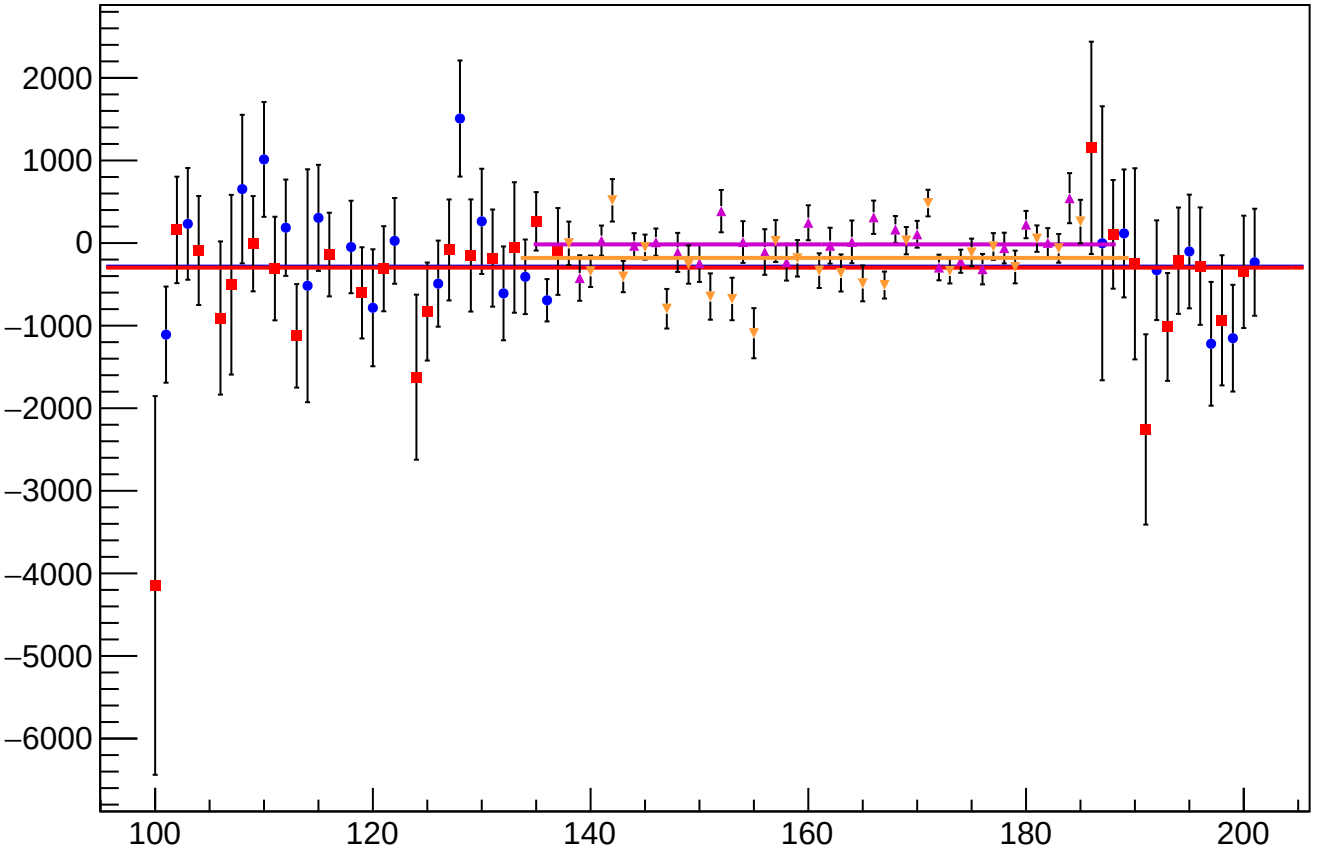
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 193.662+/-0.027 χ^2/NDF: 11027634.9/47

All: 195.389+/-0.019 χ^2/NDF: 23556555.3/98

- sign 197.212+/-0.028 χ^2/NDF: 12520415.7/50

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: -297.239+/-123.430 χ^2/NDF: 18.2/27

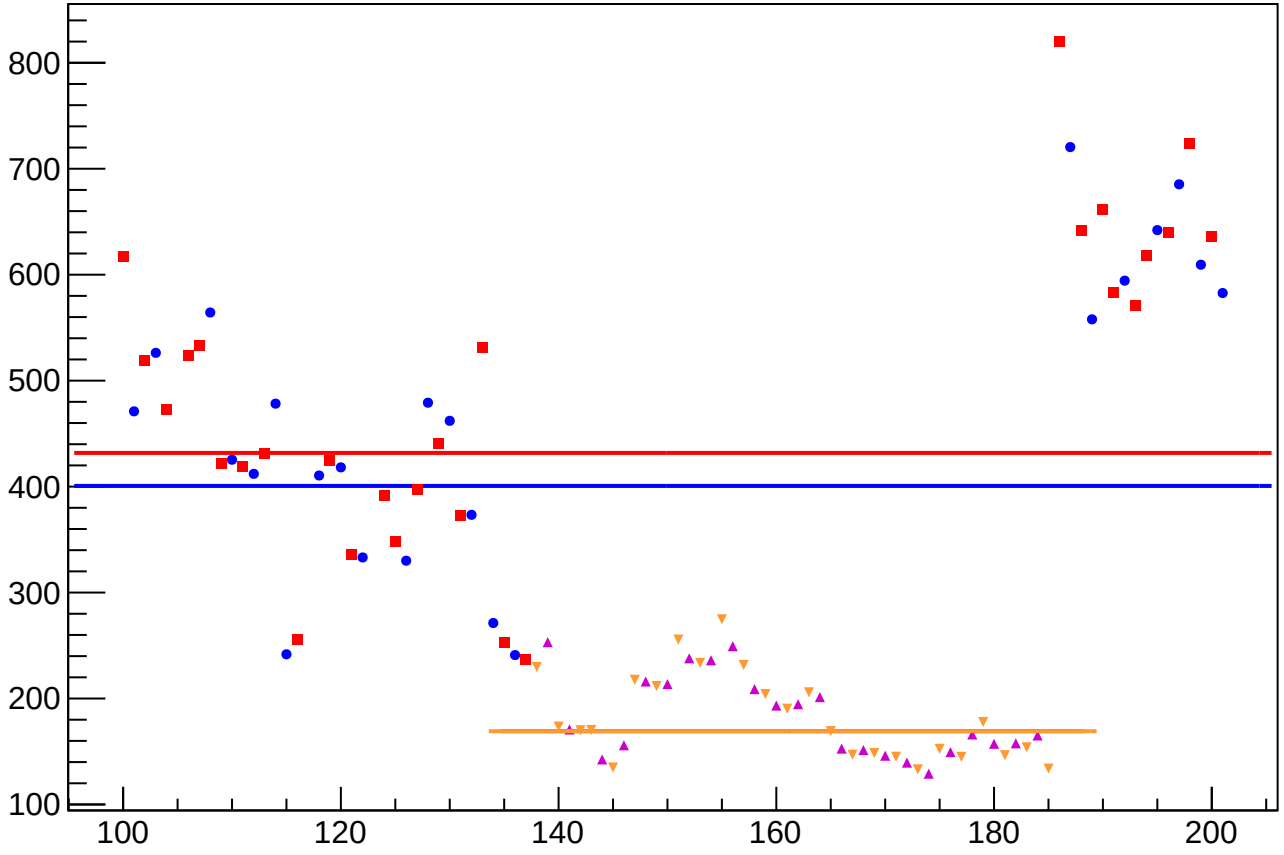
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -189.721+/-37.440 χ^2/NDF: 91.6/47

All: -118.331+/-26.804 χ^2/NDF: 148.6/98

- sign -43.261+/-38.392 χ^2/NDF: 49.5/50

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

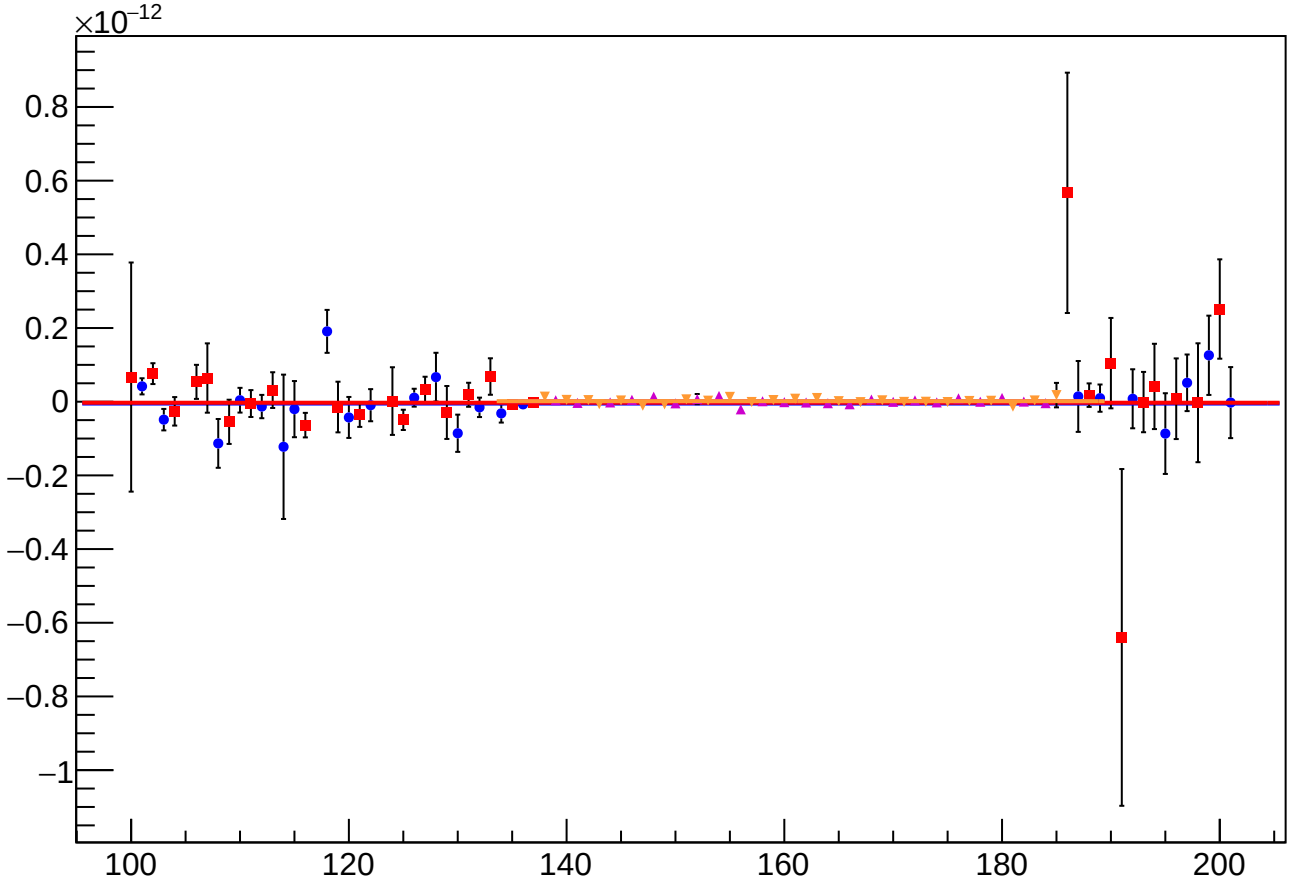
Right Out: 431.801+/-0.087 χ^2/NDF: 2682460.2/27

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 191.253+/-0.026 χ^2/NDF: 10762331.5/47

All: 192.882+/-0.019 χ^2/NDF: 23004731.2/98

- sign 194.595+/-0.027 χ^2/NDF: 12234635.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

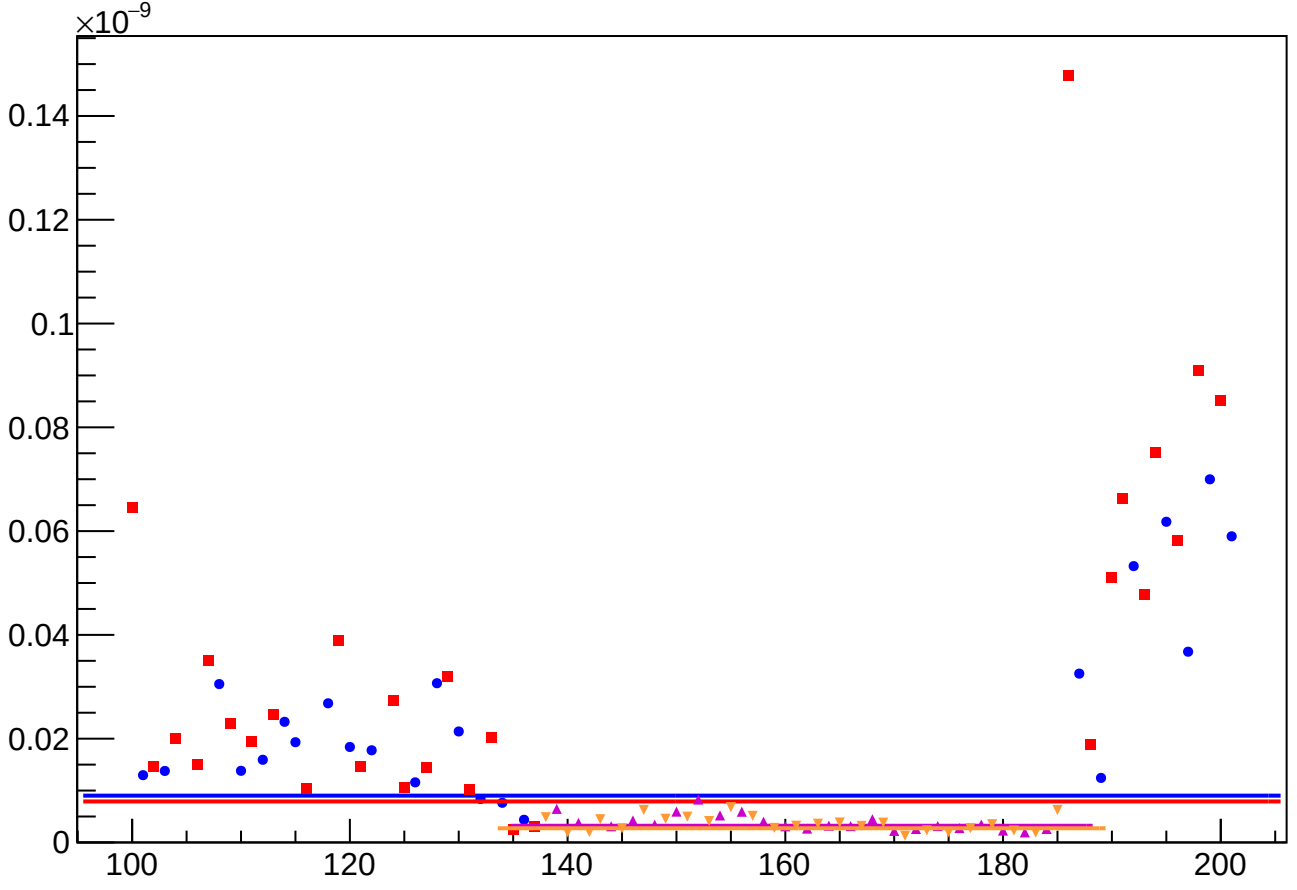
Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/27

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: 103.4/98

- sign 0.000+/-0.000 χ^2/NDF: 53.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 4665333.5/22

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

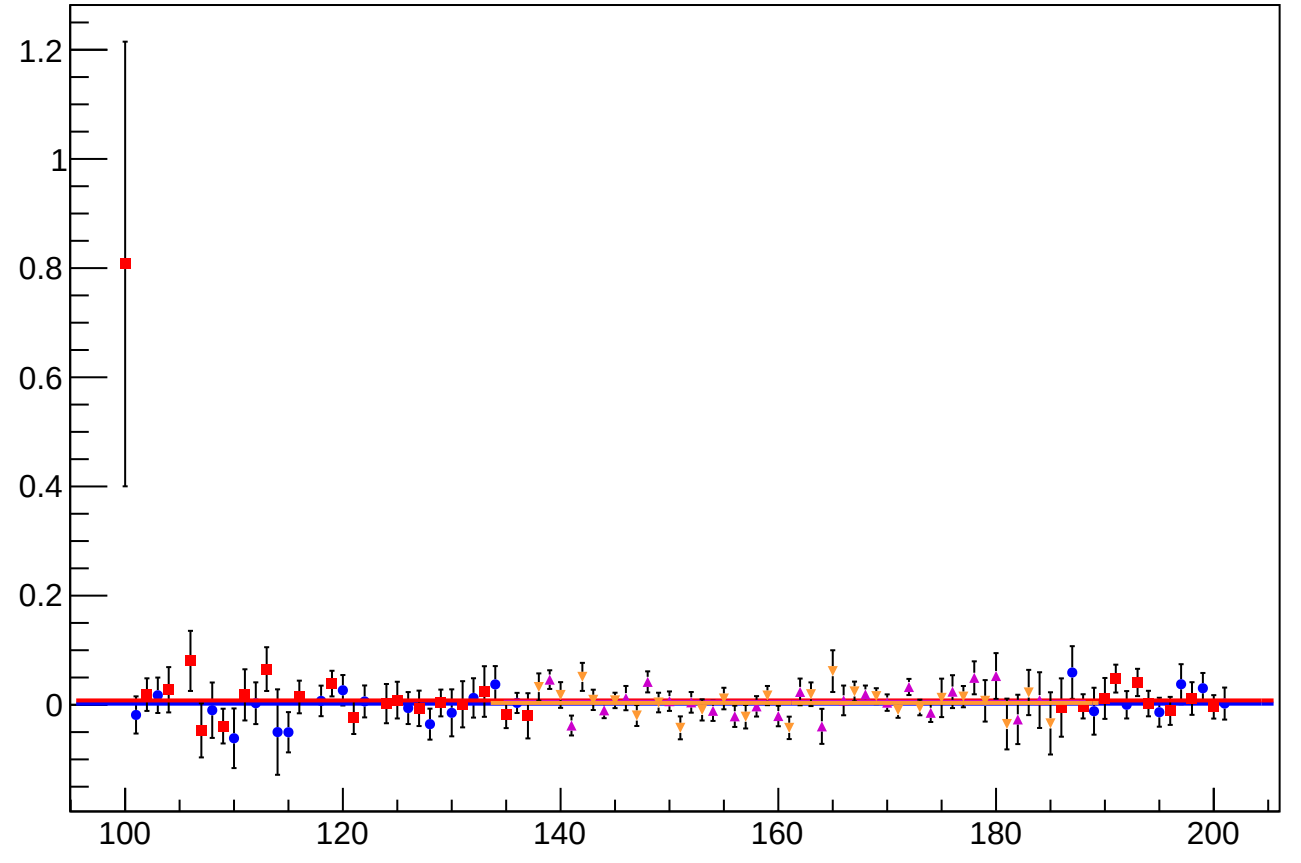
Right Out: 0.000+/-0.000 χ^2/NDF: 7108595.5/27

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: 19059840.7/98

- sign 0.000+/-0.000 χ^2/NDF: 9862144.6/50



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: 21.7/27

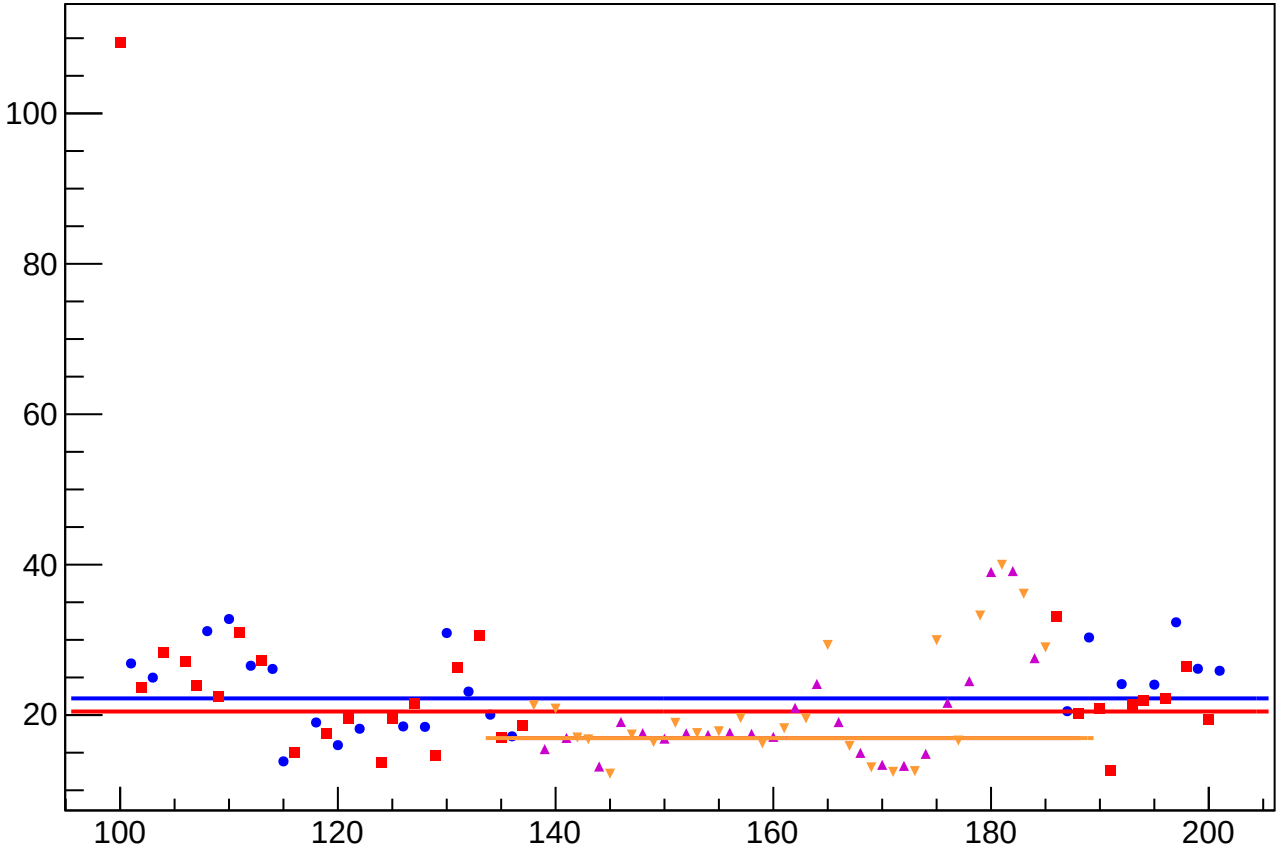
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.3/47

All: 0.005+/-0.002 χ^2/NDF: 94.8/98

- sign 0.006+/-0.003 χ^2/NDF: 55.1/50

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 22.218+/-0.005 χ^2/NDF: 1112079.1/22

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

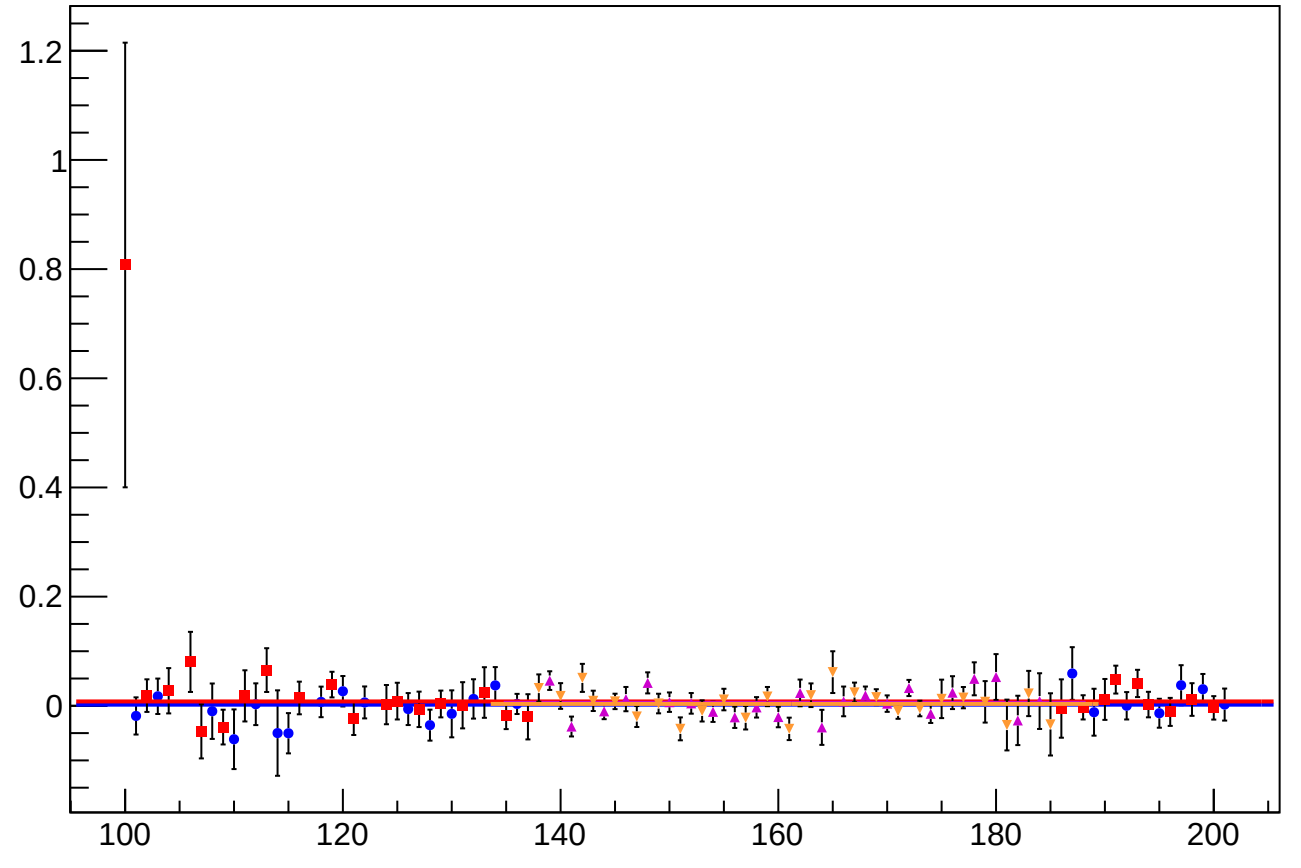
Right Out: 20.475+/-0.004 χ^2/NDF: 1273106.5/27

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 18.385+/-0.002 χ^2/NDF: 4861632.9/47

All: 18.257+/-0.002 χ^2/NDF: 8560707.0/98

- sign 18.133+/-0.002 χ^2/NDF: 3693745.6/50



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/22

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

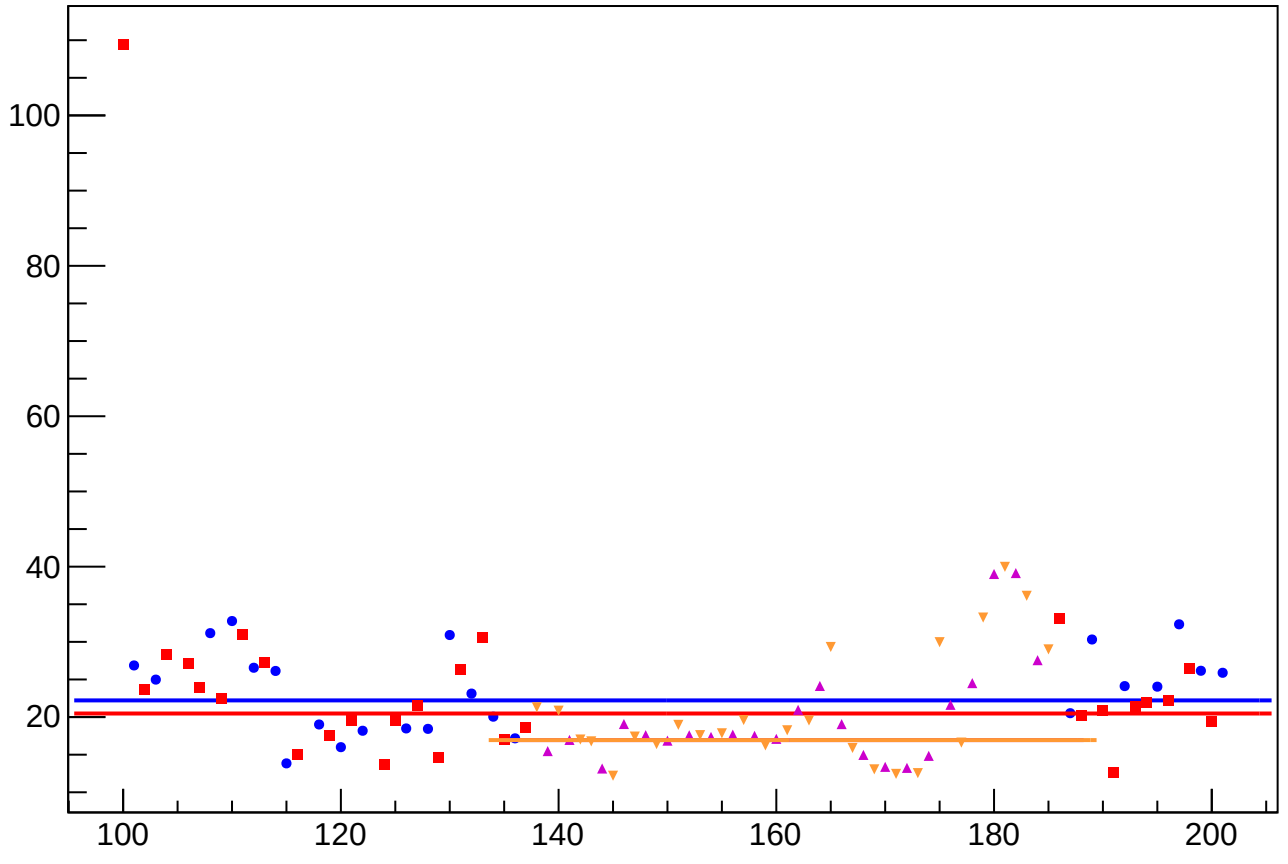
Right Out: 0.008+/-0.006 χ^2/NDF: 21.7/27

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: 94.8/98

- sign 0.006+/-0.003 χ^2/NDF: 55.1/50



Right In: 22.218+/-0.005 χ^2/NDF: 1112079.1/22

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

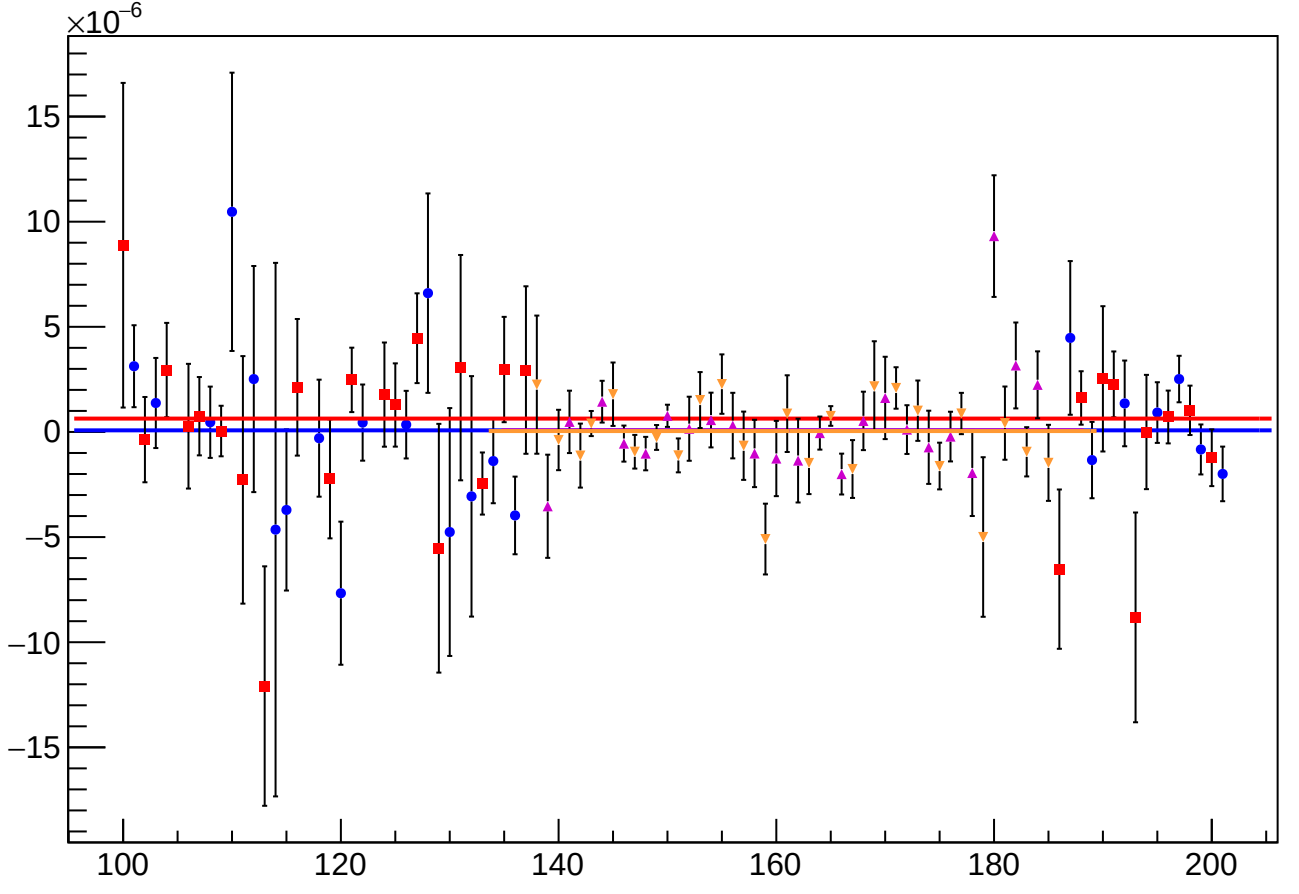
Right Out: 20.475+/-0.004 χ^2/NDF: 1273106.5/27

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 18.385+/-0.002 χ^2/NDF: 4861632.9/47

All: 18.257+/-0.002 χ^2/NDF: 8560707.0/98

- sign 18.133+/-0.002 χ^2/NDF: 3693745.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/22

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

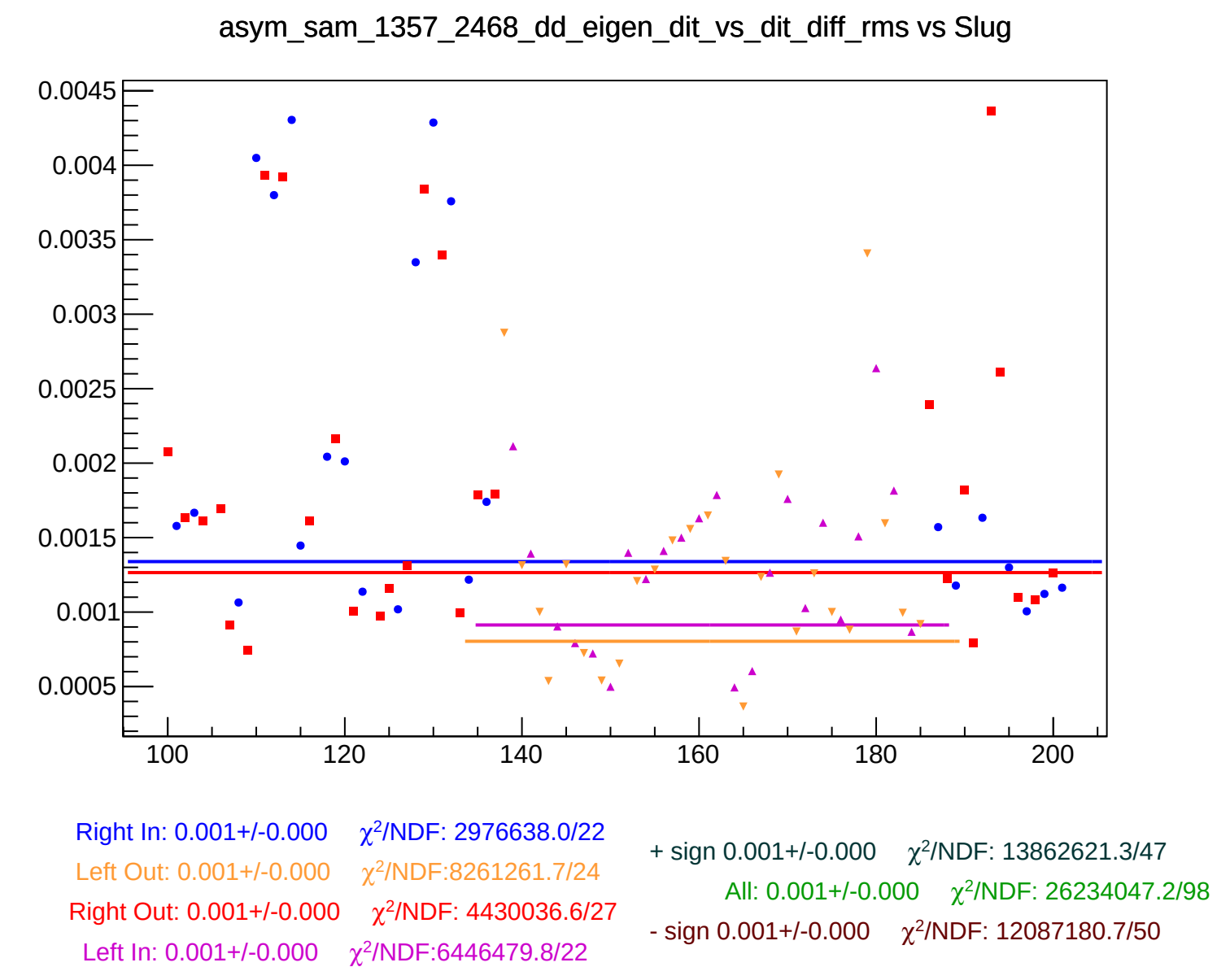
Right Out: 0.000+/-0.000 χ^2/NDF: 32.2/27

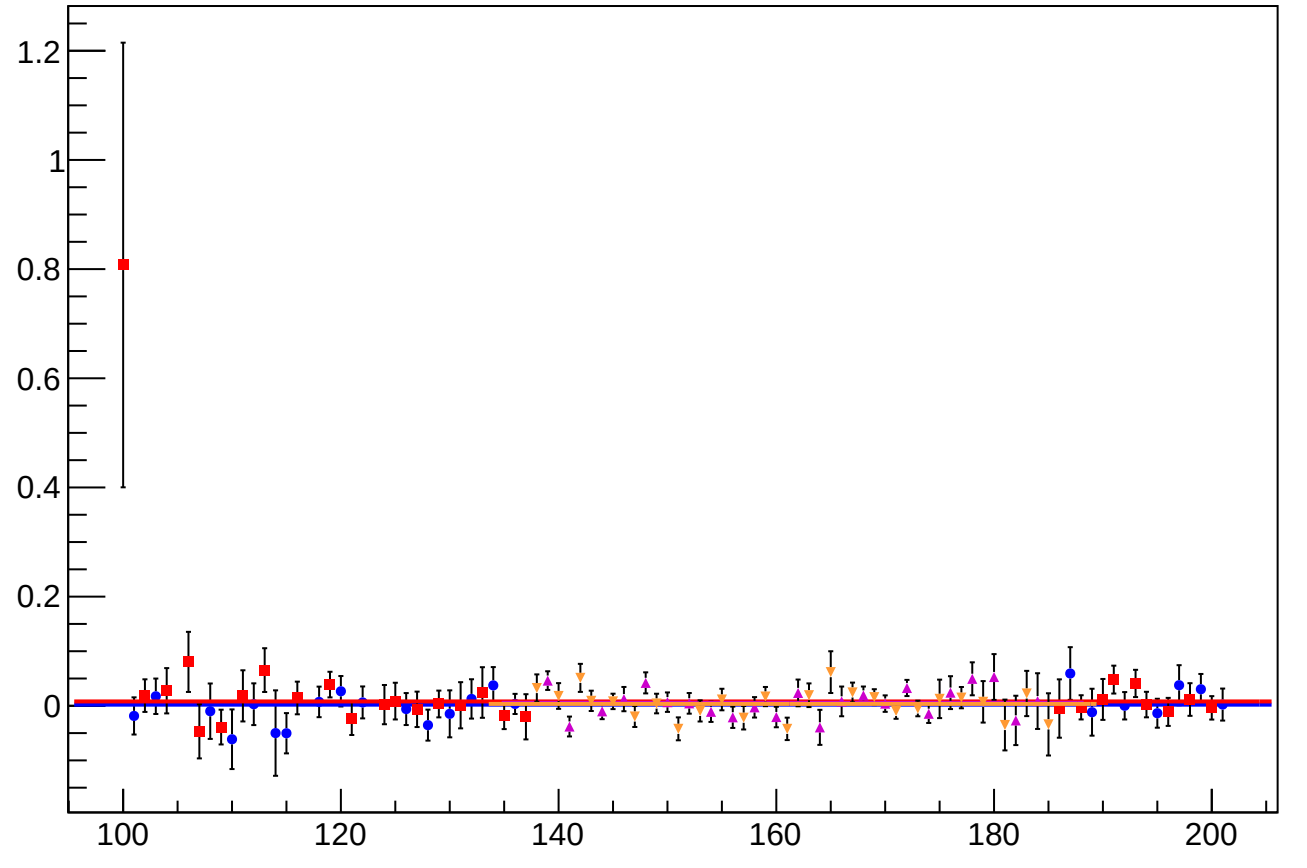
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.1/47

All: 0.000+/-0.000 χ^2/NDF: 133.3/98

- sign 0.000+/-0.000 χ^2/NDF: 64.7/50


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: 4430036.6/27
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: 26234047.2/98
- sign 0.001+/-0.000 χ²/NDF: 12087180.7/50



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/22

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

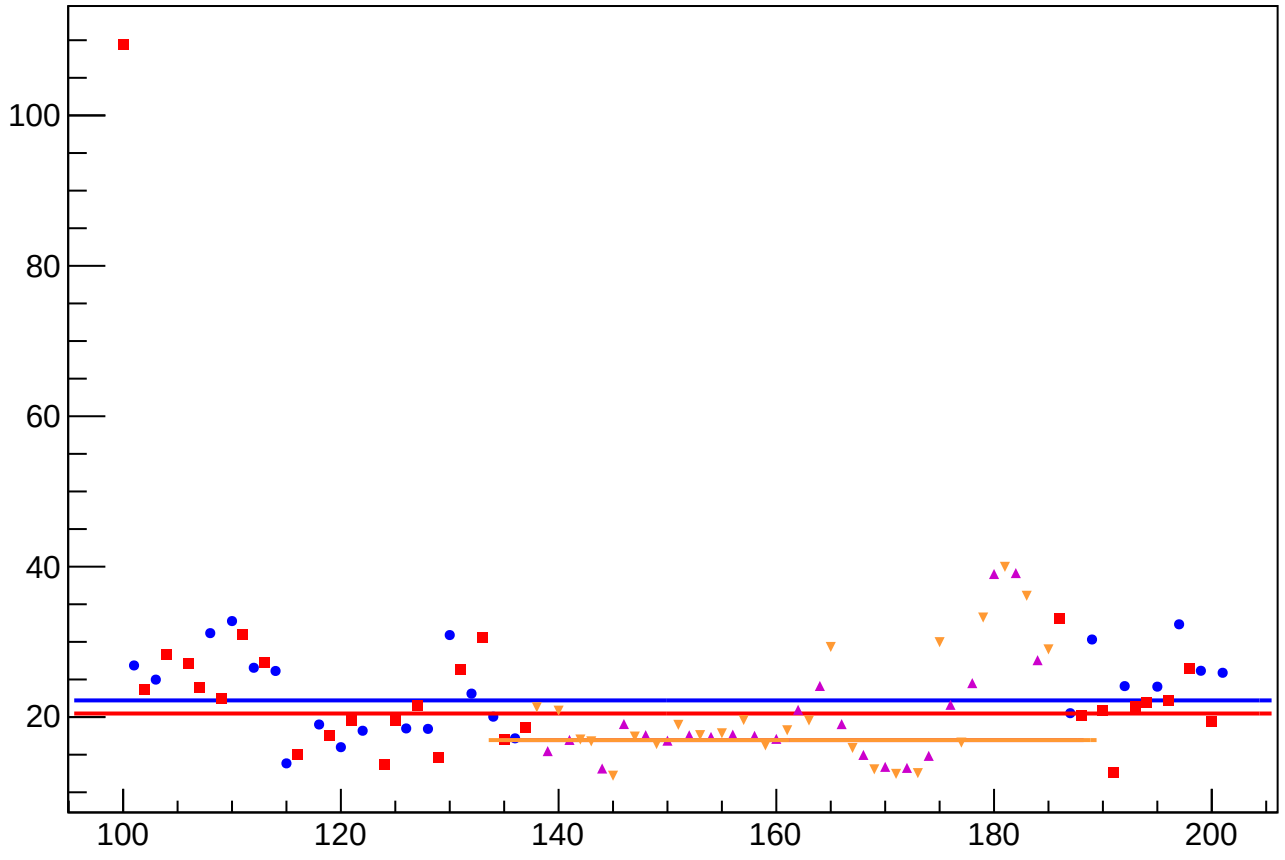
Right Out: 0.008+/-0.006 χ^2/NDF: 21.7/27

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: 94.8/98

- sign 0.006+/-0.003 χ^2/NDF: 55.1/50



Right In: 22.217+/-0.005 χ^2/NDF: 1112047.4/22

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

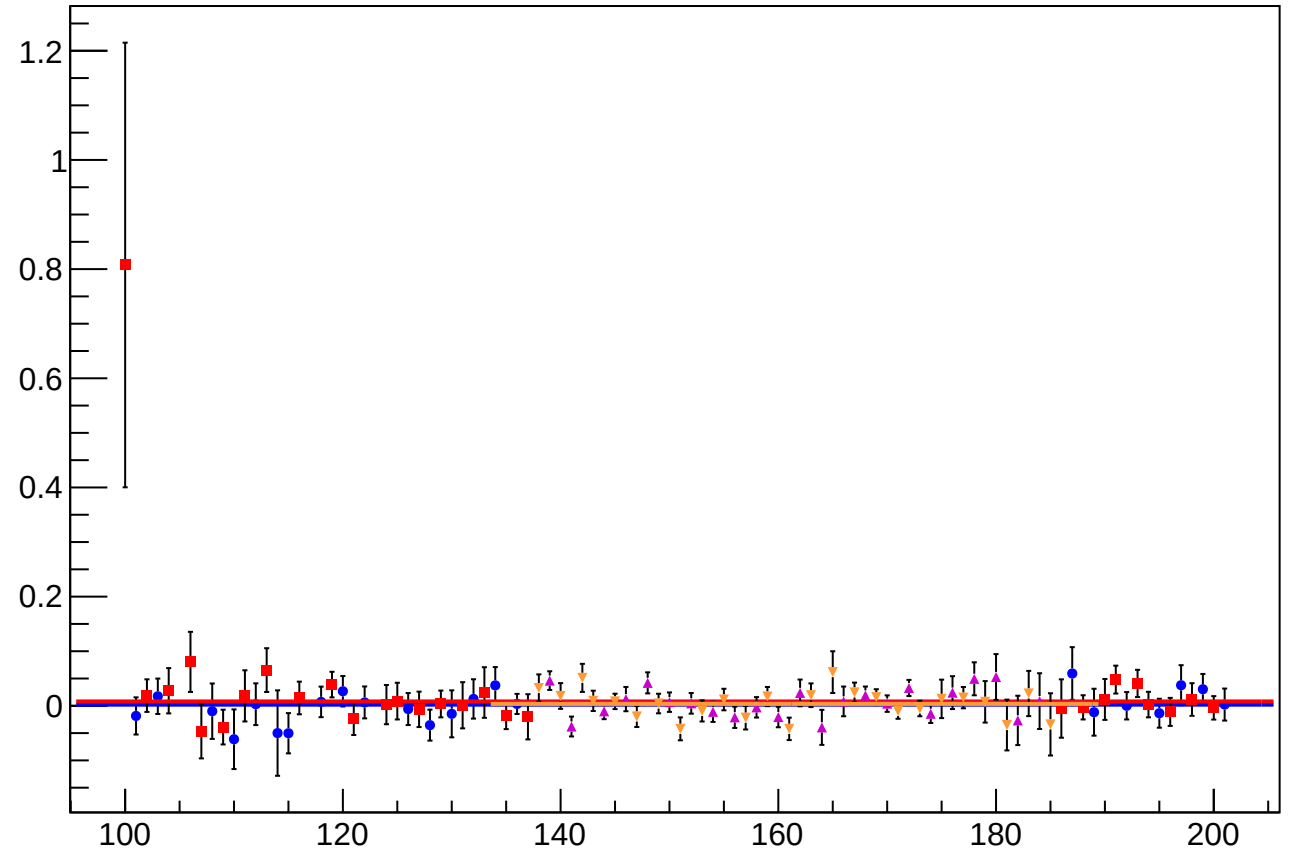
Right Out: 20.474+/-0.004 χ^2/NDF: 1273119.5/27

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.385+/-0.002 χ^2/NDF: 4861407.2/47

All: 18.257+/-0.002 χ^2/NDF: 8560375.7/98

- sign 18.133+/-0.002 χ^2/NDF: 3693636.5/50



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/22

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

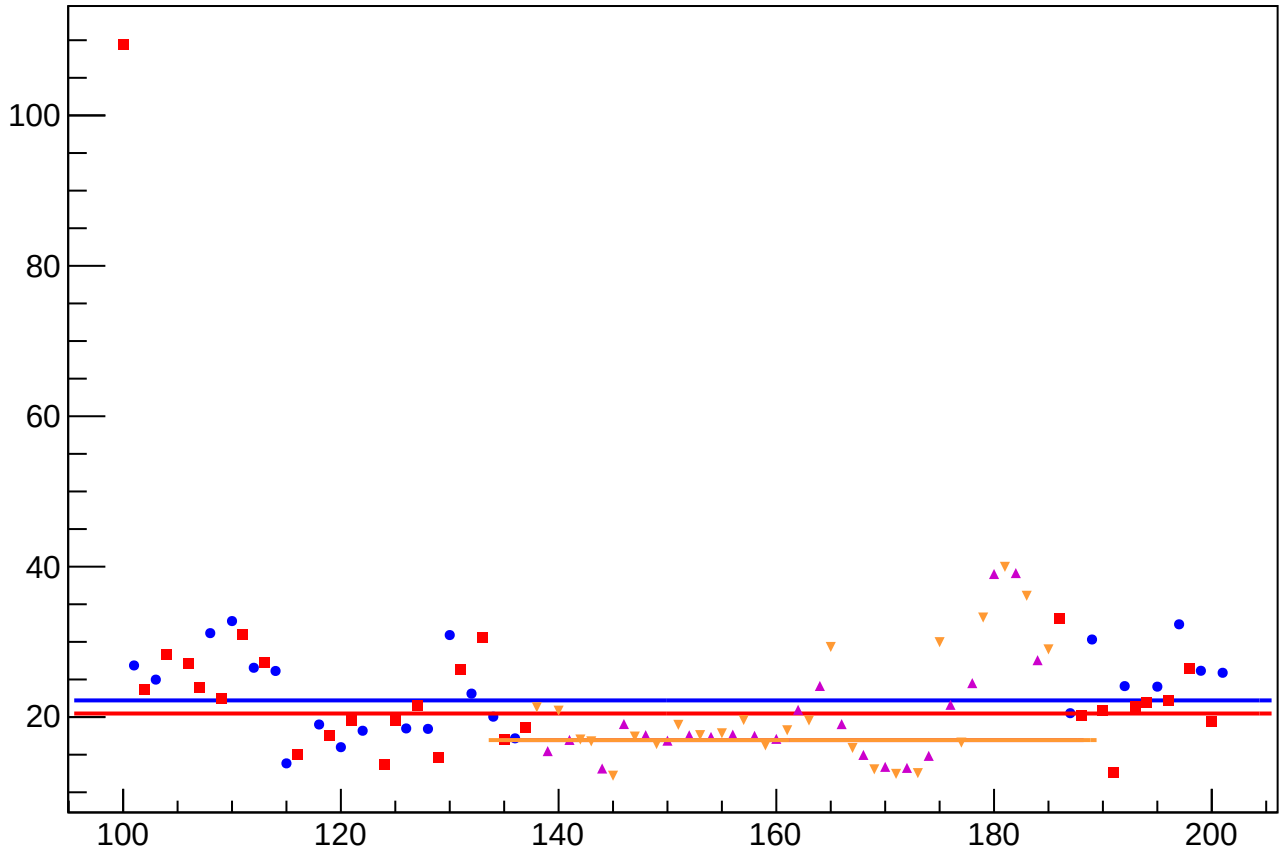
Right Out: 0.008+/-0.006 χ^2/NDF: 21.7/27

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: 94.8/98

- sign 0.006+/-0.003 χ^2/NDF: 55.1/50



Right In: 22.217+/-0.005 χ^2/NDF: 1112047.4/22

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

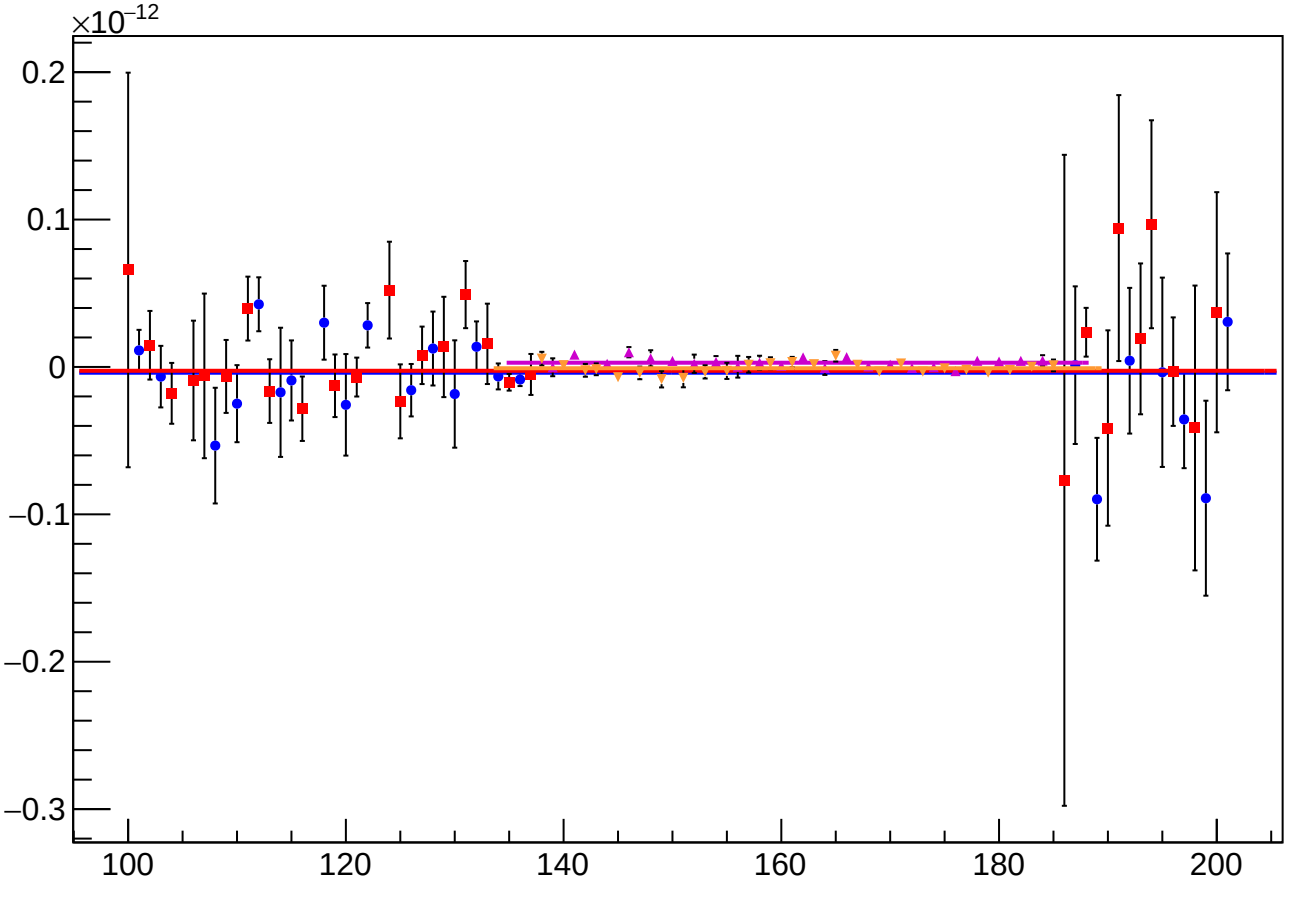
Right Out: 20.474+/-0.004 χ^2/NDF: 1273119.5/27

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.385+/-0.002 χ^2/NDF: 4861407.2/47

All: 18.257+/-0.002 χ^2/NDF: 8560375.7/98

- sign 18.133+/-0.002 χ^2/NDF: 3693636.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/22

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

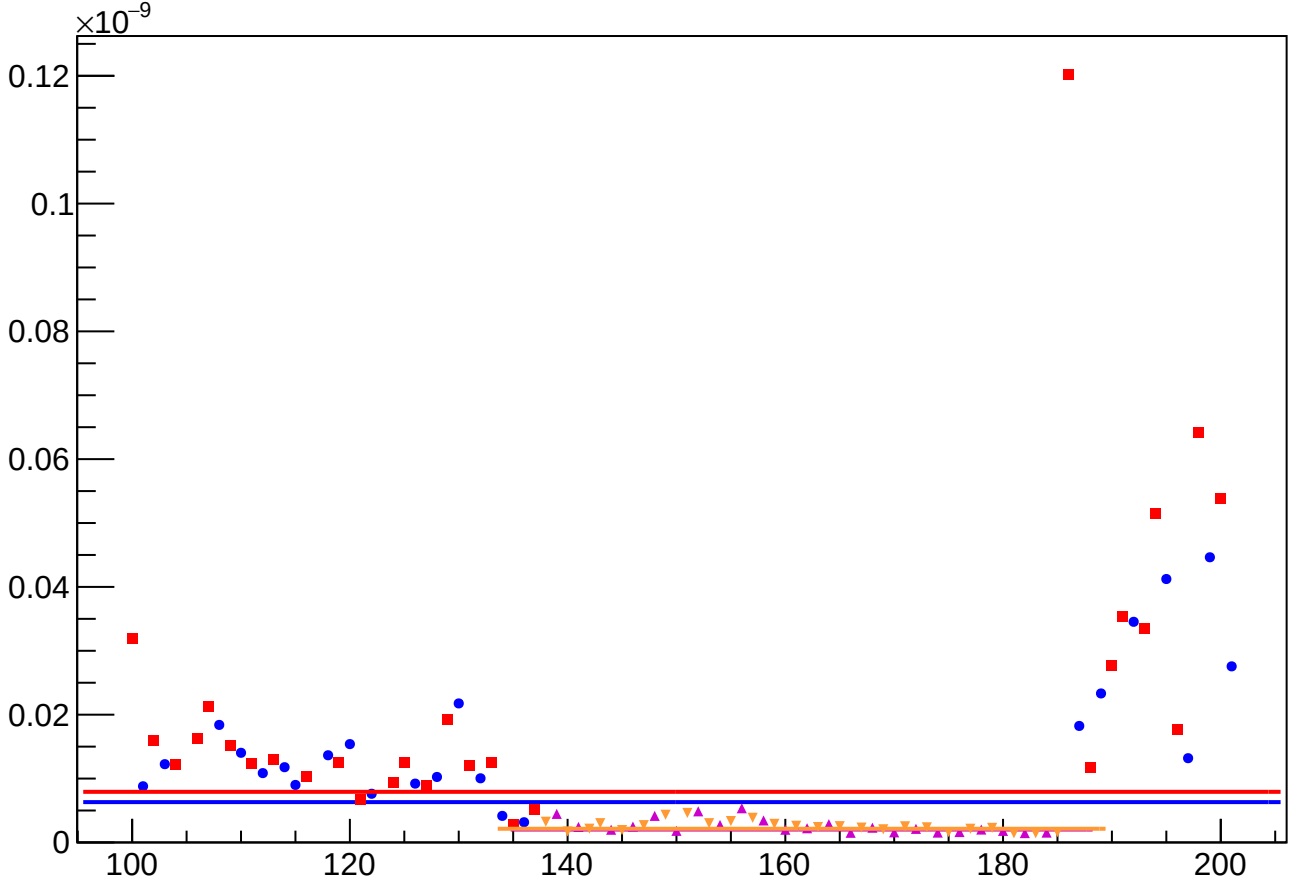
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/27

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: 120.1/98

- sign 0.000+/-0.000 χ^2/NDF: 50.7/50



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: 6926597.8/27

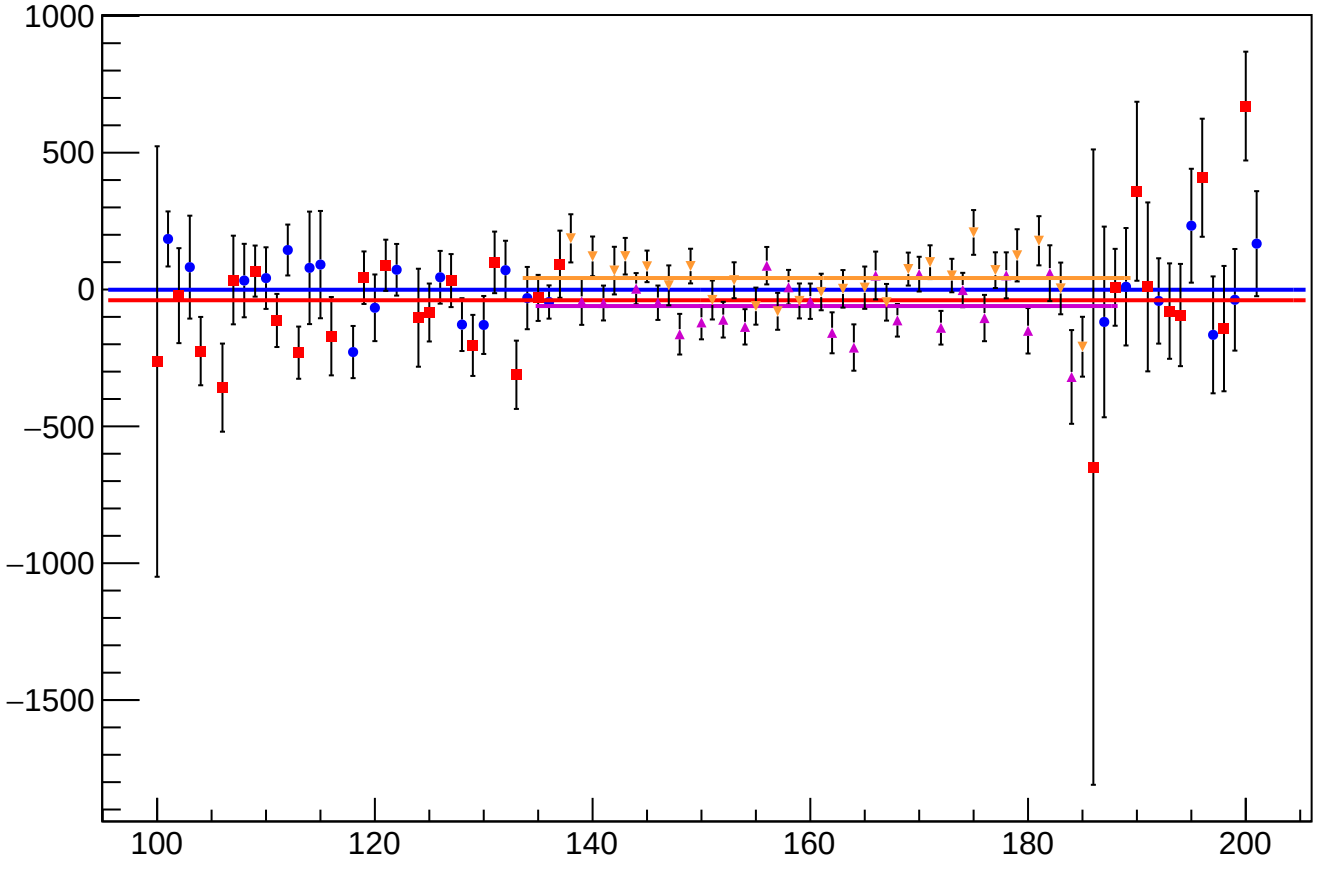
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11075834.3/47

All: 0.000+/-0.000 χ^2/NDF: 25326242.9/98

- sign 0.000+/-0.000 χ^2/NDF: 14216145.7/50

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: -39.209+/-24.728 χ^2/NDF: 45.6/27

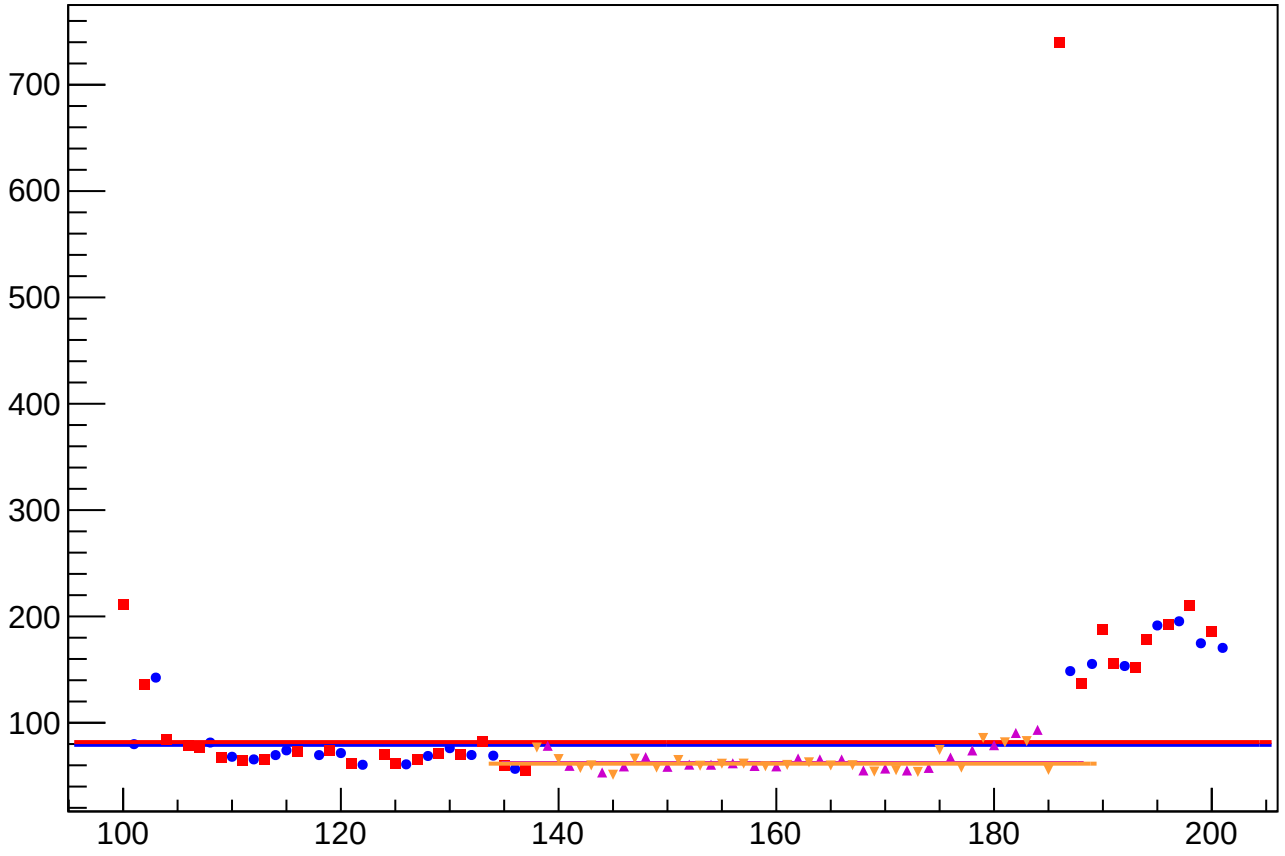
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.457+/-12.309 χ^2/NDF: 54.8/47

All: -10.532+/-8.820 χ^2/NDF: 157.1/98

- sign -54.841+/-12.645 χ^2/NDF: 78.3/50

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

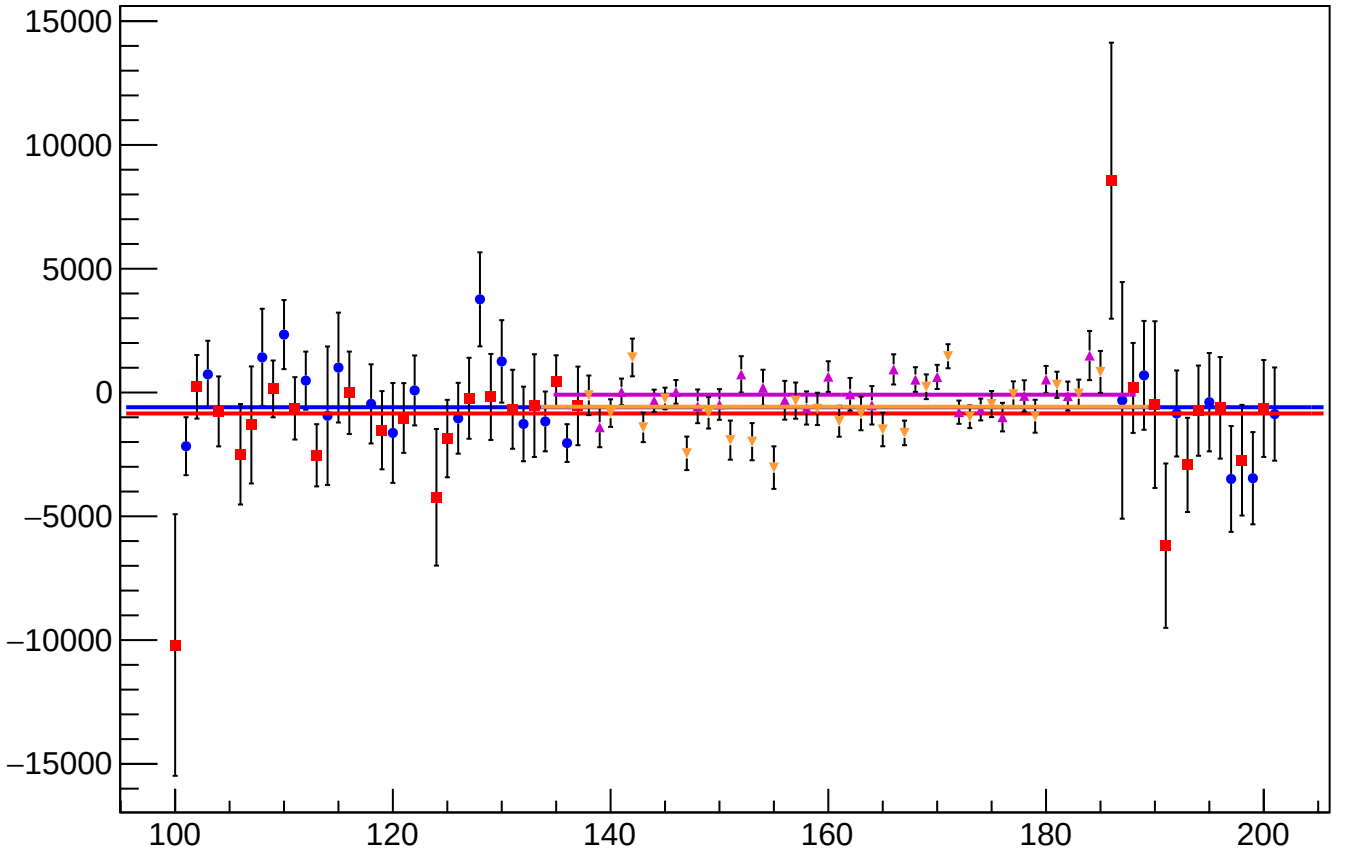
Right Out: 81.841+/-0.017 χ^2/NDF: 4776348.2/27

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 65.912+/-0.009 χ^2/NDF: 5152908.9/47

All: 66.585+/-0.006 χ^2/NDF: 11475456.4/98

- sign 67.295+/-0.009 χ^2/NDF: 6310270.4/50



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: -846.116+/-319.234 χ^2/NDF: 19.1/27

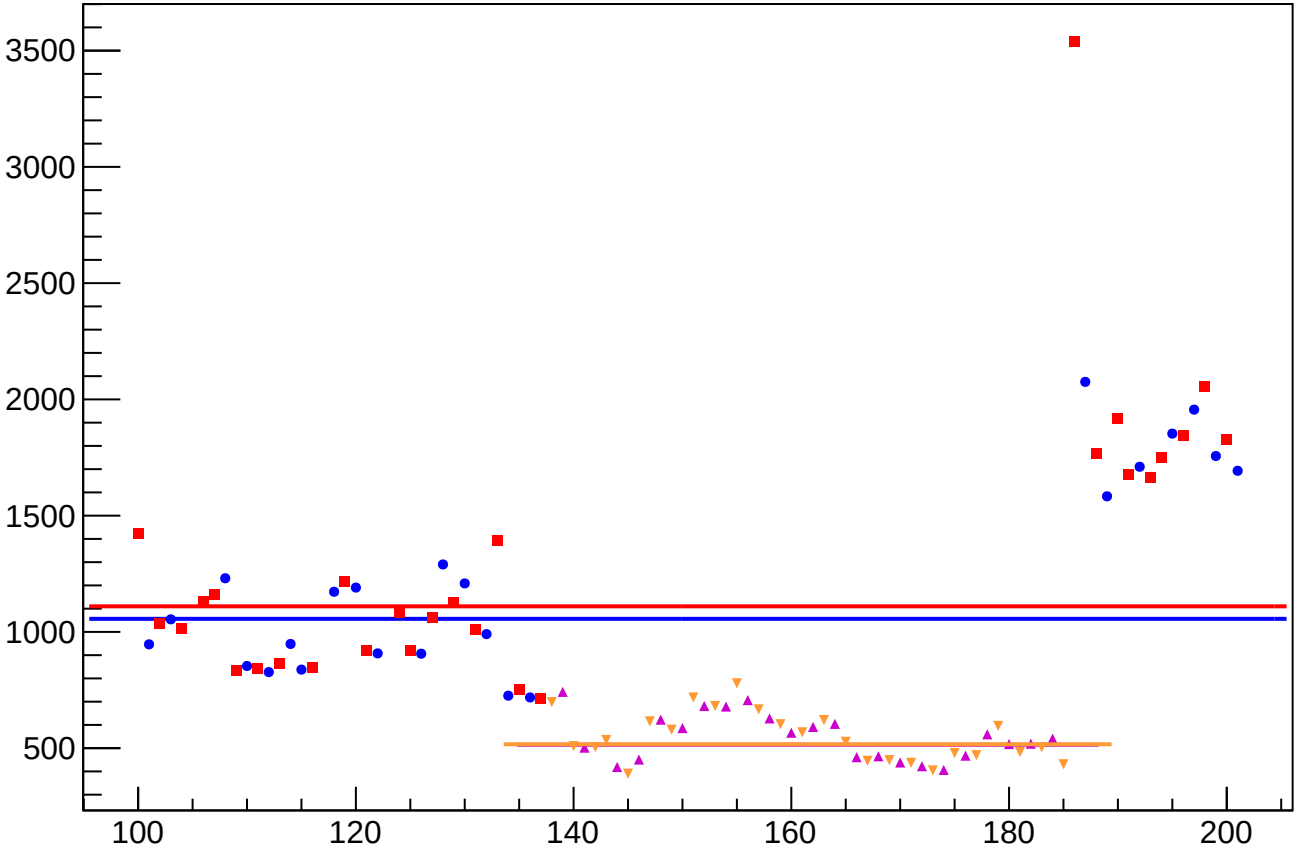
Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -577.269+/-112.090 χ^2/NDF: 94.2/47

All: -385.357+/-80.051 χ^2/NDF: 148.7/98

- sign -185.585+/-114.362 χ^2/NDF: 48.6/50

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 1056.260+/-0.225 χ^2/NDF: 2508783.4/22

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1110.070+/-0.226 χ^2/NDF: 2954267.9/27

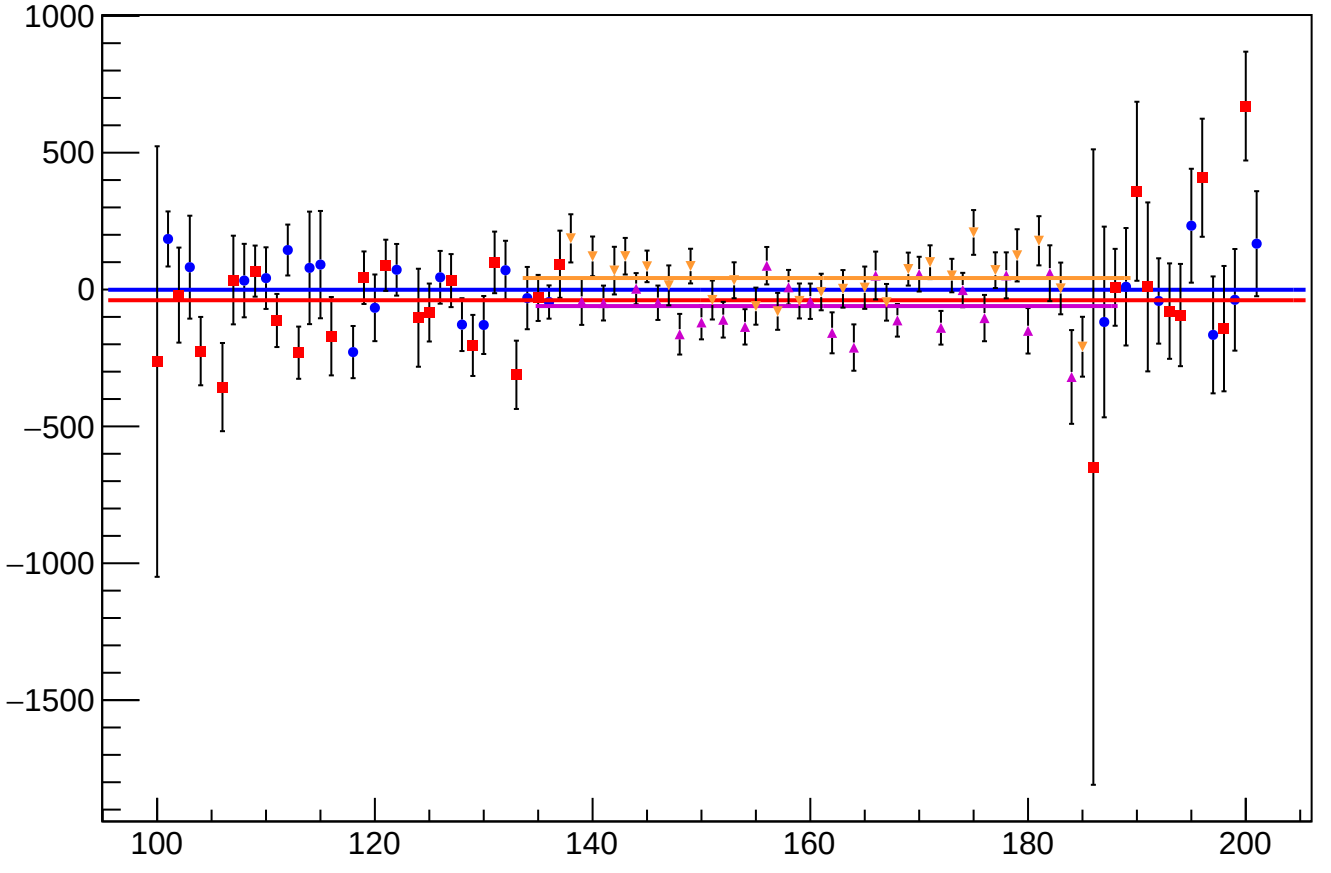
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 583.356+/-0.079 χ^2/NDF: 8796558.1/47

All: 587.189+/-0.057 χ^2/NDF: 18938053.8/98

- sign 591.178+/-0.081 χ^2/NDF: 10136723.3/50

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: -39.100+/-24.729 χ^2/NDF: 45.5/27

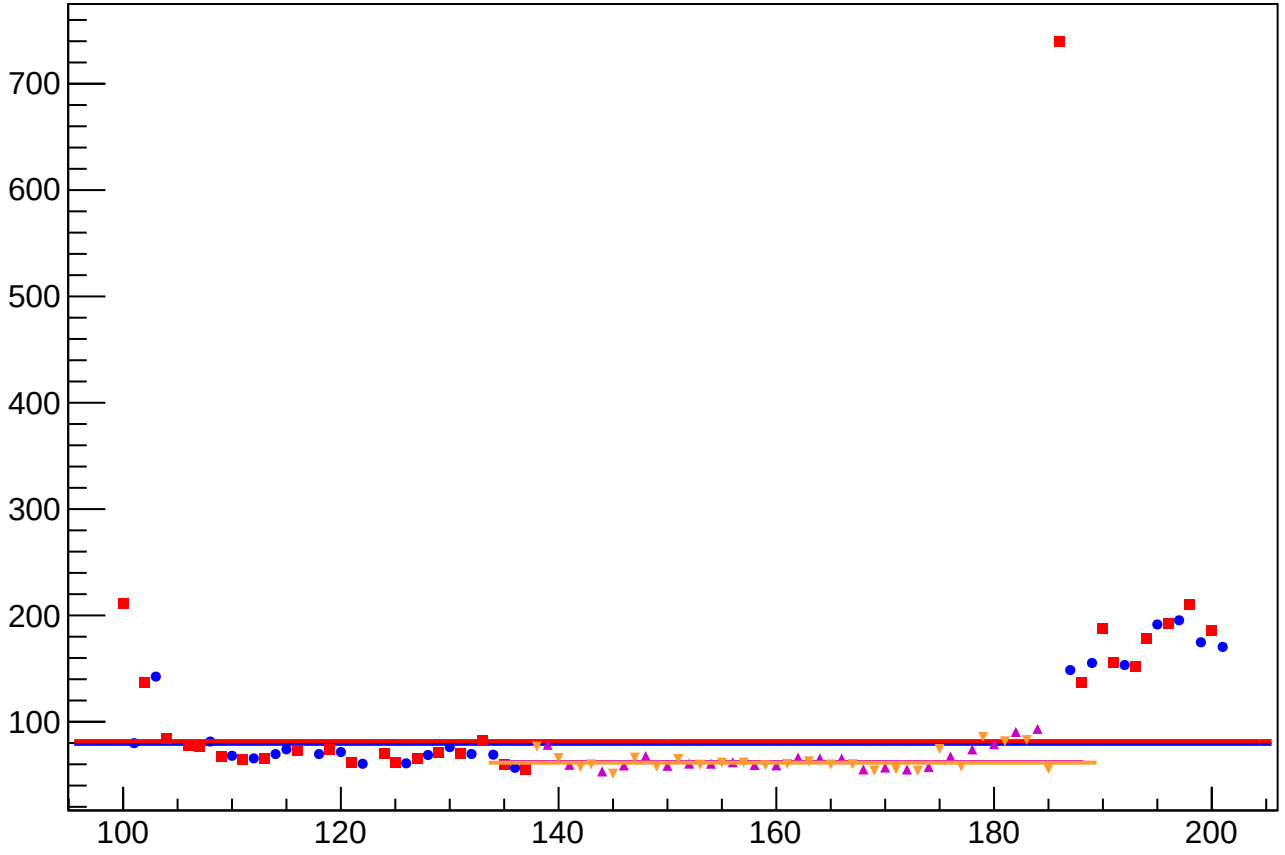
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.459+/-12.309 χ^2/NDF: 54.8/47

All: -10.517+/-8.820 χ^2/NDF: 157.0/98

- sign -54.813+/-12.645 χ^2/NDF: 78.3/50

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: 81.825+/-0.017 χ^2/NDF: 4777051.2/27

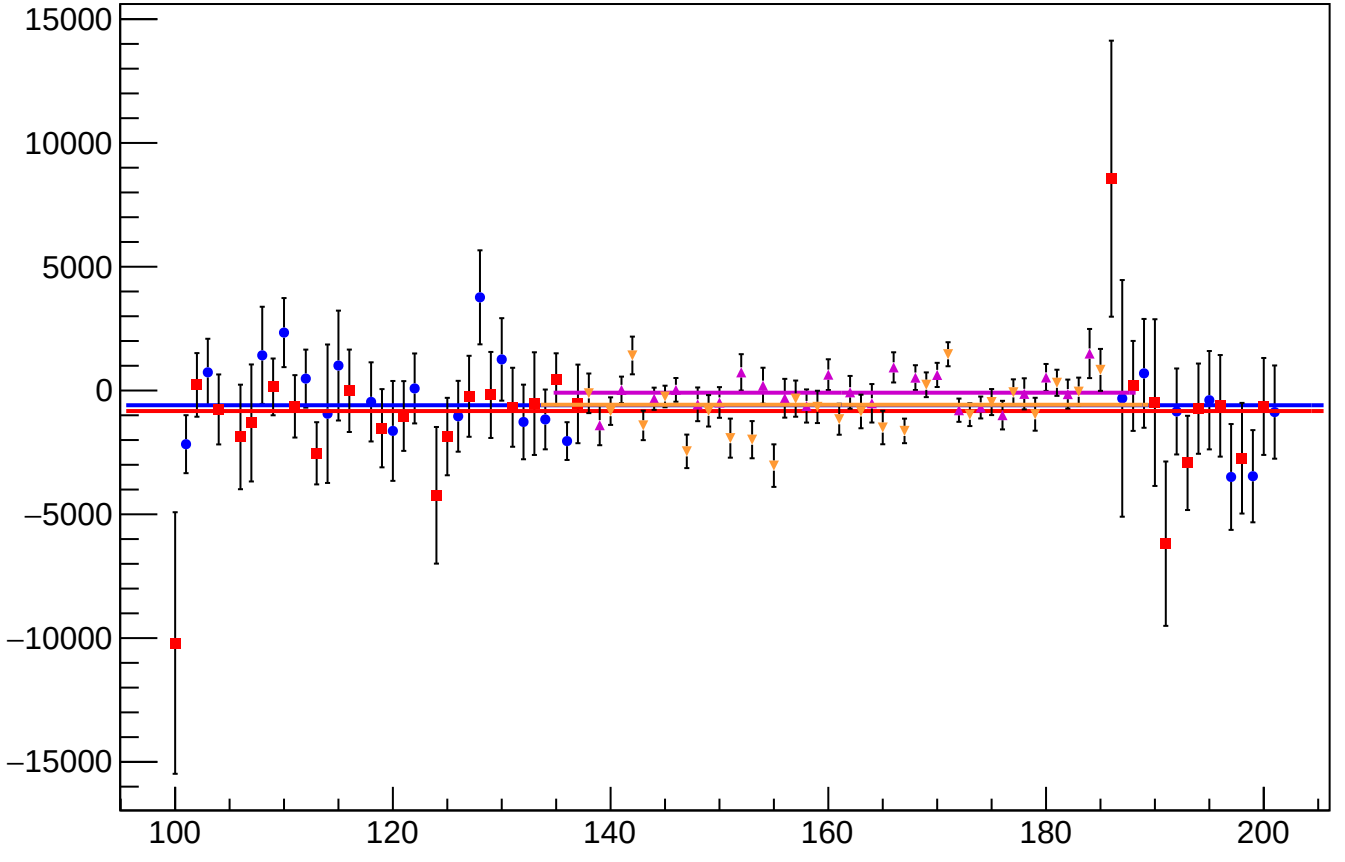
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 65.912+/-0.009 χ^2/NDF: 5152911.9/47

All: 66.583+/-0.006 χ^2/NDF: 11474507.5/98

- sign 67.290+/-0.009 χ^2/NDF: 6309397.7/50

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

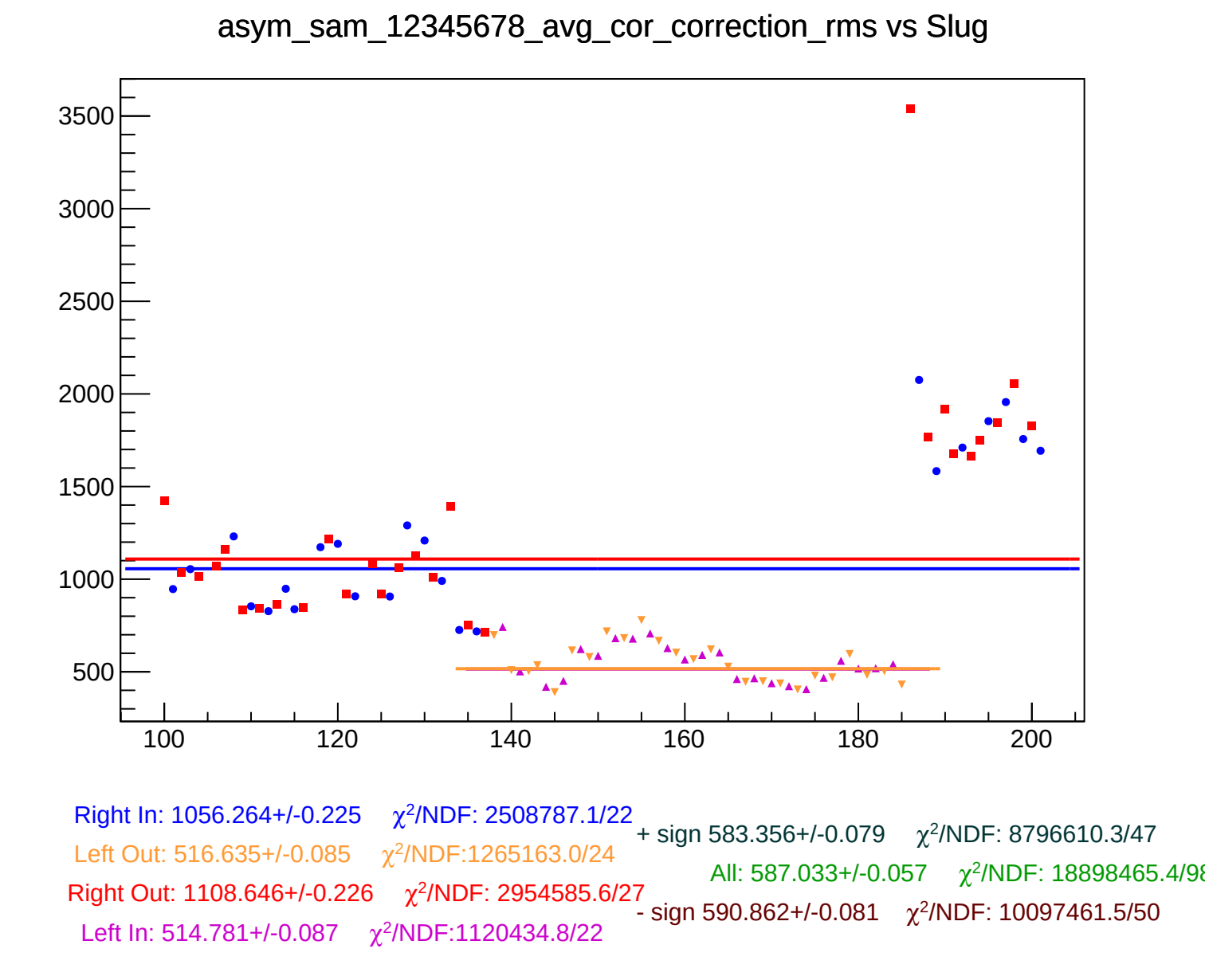
Right Out: -829.157+/-319.556 χ^2/NDF: 18.6/27

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -577.260+/-112.090 χ^2/NDF: 94.2/47

All: -384.230+/-80.056 χ^2/NDF: 148.1/98

- sign -183.241+/-114.377 χ^2/NDF: 47.9/50


asym_sam_12345678_avg_cor_correction_rms vs Slug
3500
3000
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2000
1500
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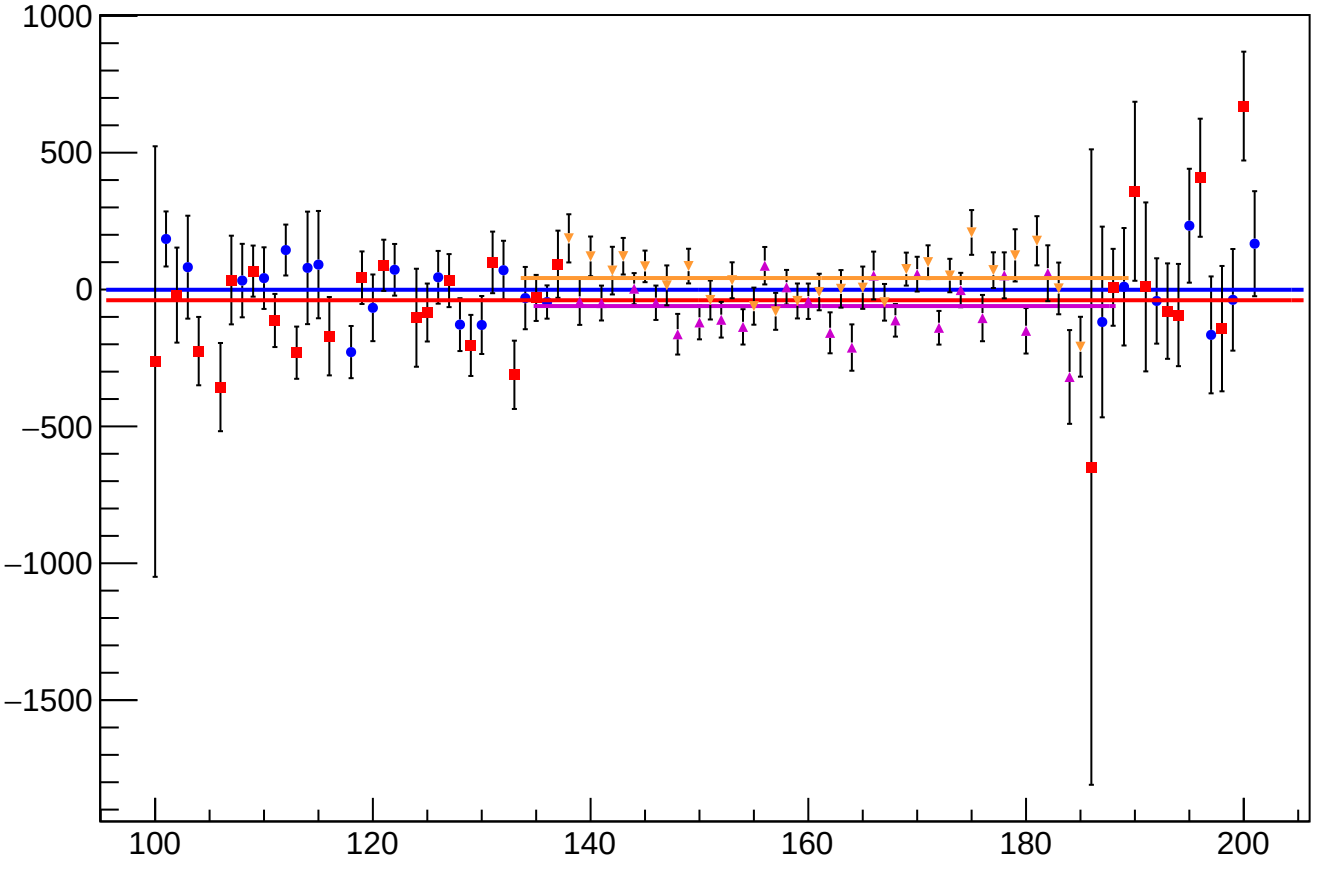
500
100
120
140
160
180
200
Right In: 1056.264+/-0.225 χ²/NDF: 2508787.1/22
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1108.646+/-0.226 χ²/NDF: 2954585.6/27
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 583.356+/-0.079 χ²/NDF: 8796610.3/47
All: 587.033+/-0.057 χ²/NDF: 18898465.4/98
- sign 590.862+/-0.081 χ²/NDF: 10097461.5/50

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: -39.100+/-24.729 χ^2/NDF: 45.5/27

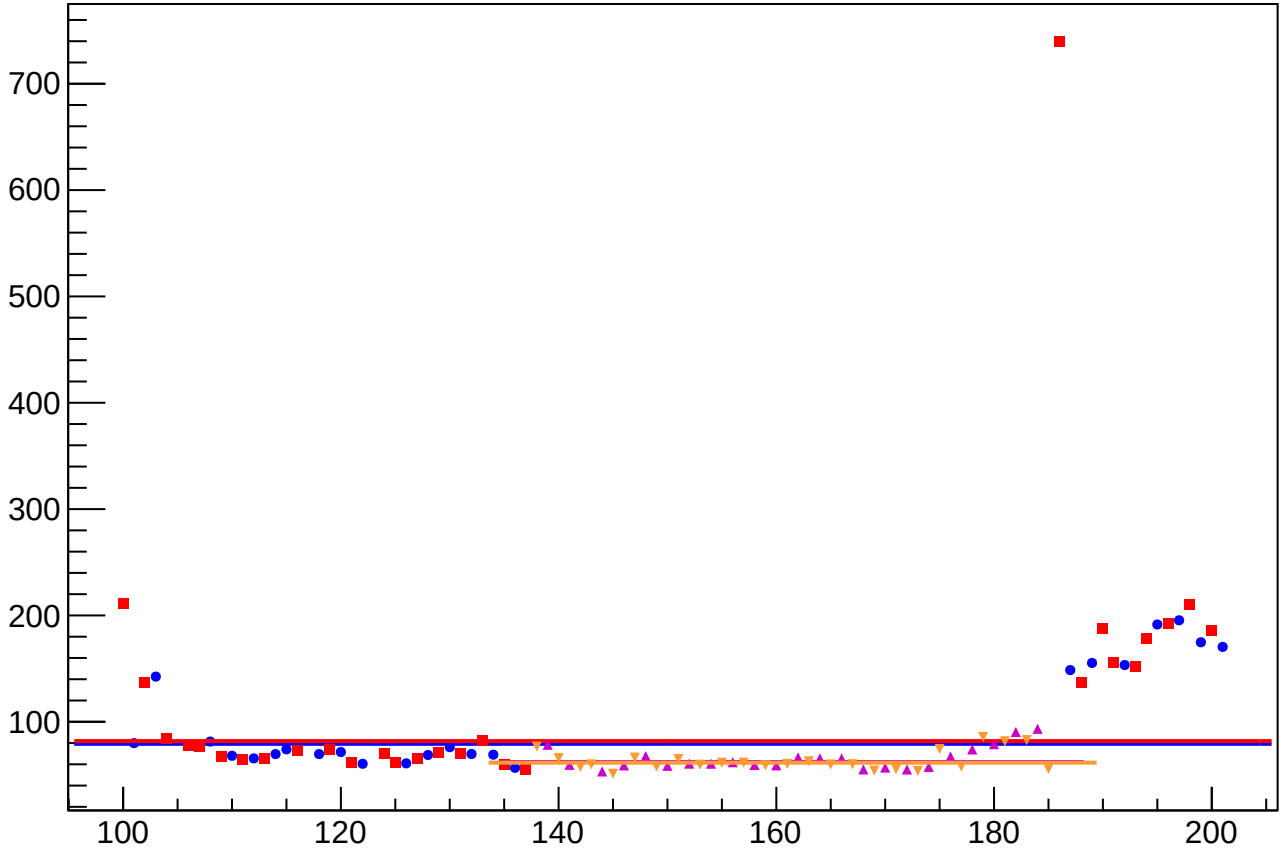
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.459+/-12.309 χ^2/NDF: 54.8/47

All: -10.517+/-8.820 χ^2/NDF: 157.0/98

- sign -54.813+/-12.645 χ^2/NDF: 78.3/50

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

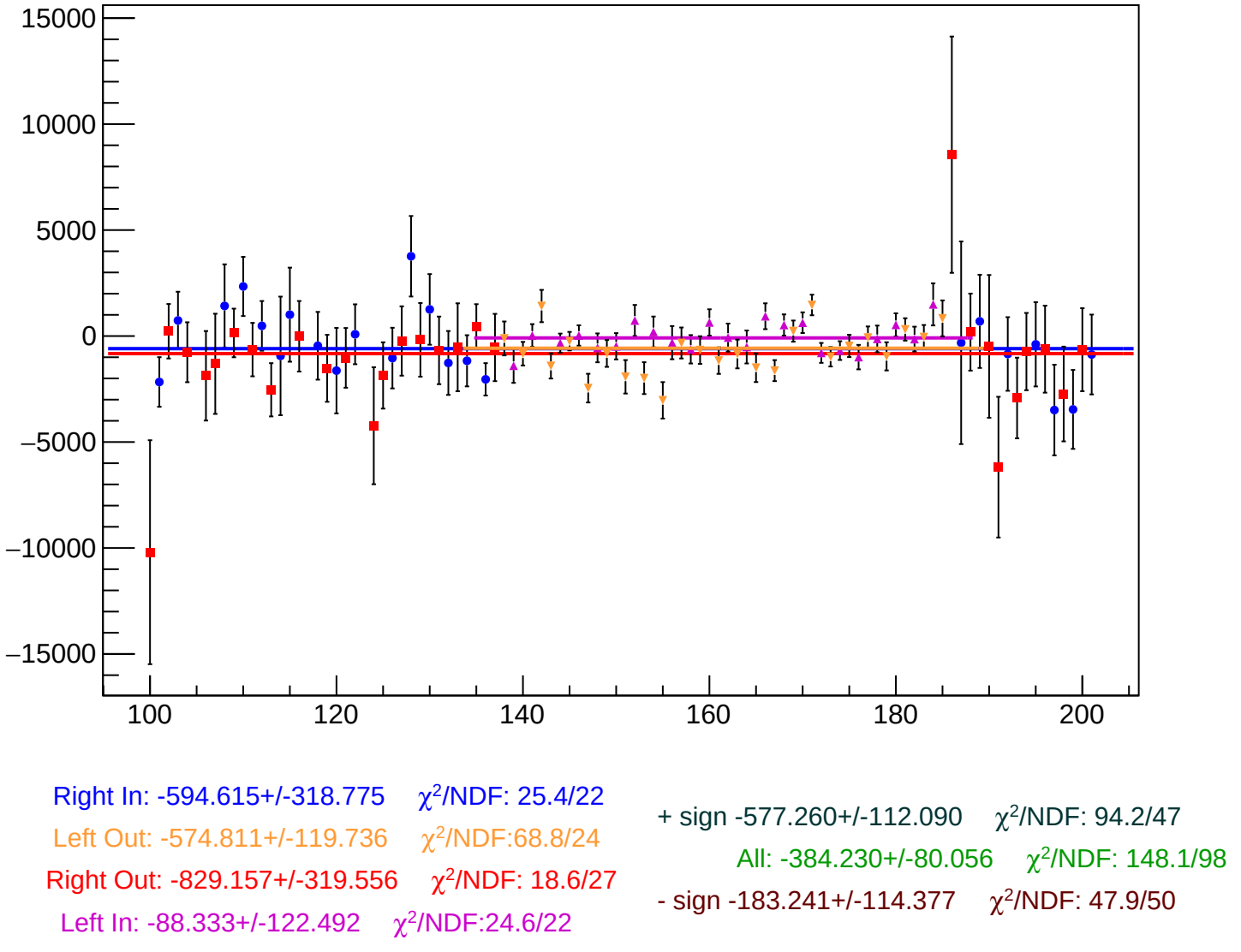
Right Out: 81.825+/-0.017 χ^2/NDF: 4777051.2/27

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 65.912+/-0.009 χ^2/NDF: 5152911.9/47

All: 66.583+/-0.006 χ^2/NDF: 11474507.5/98

- sign 67.290+/-0.009 χ^2/NDF: 6309397.7/50


asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug
15000
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5000
0
−5000
−10000
−15000
100
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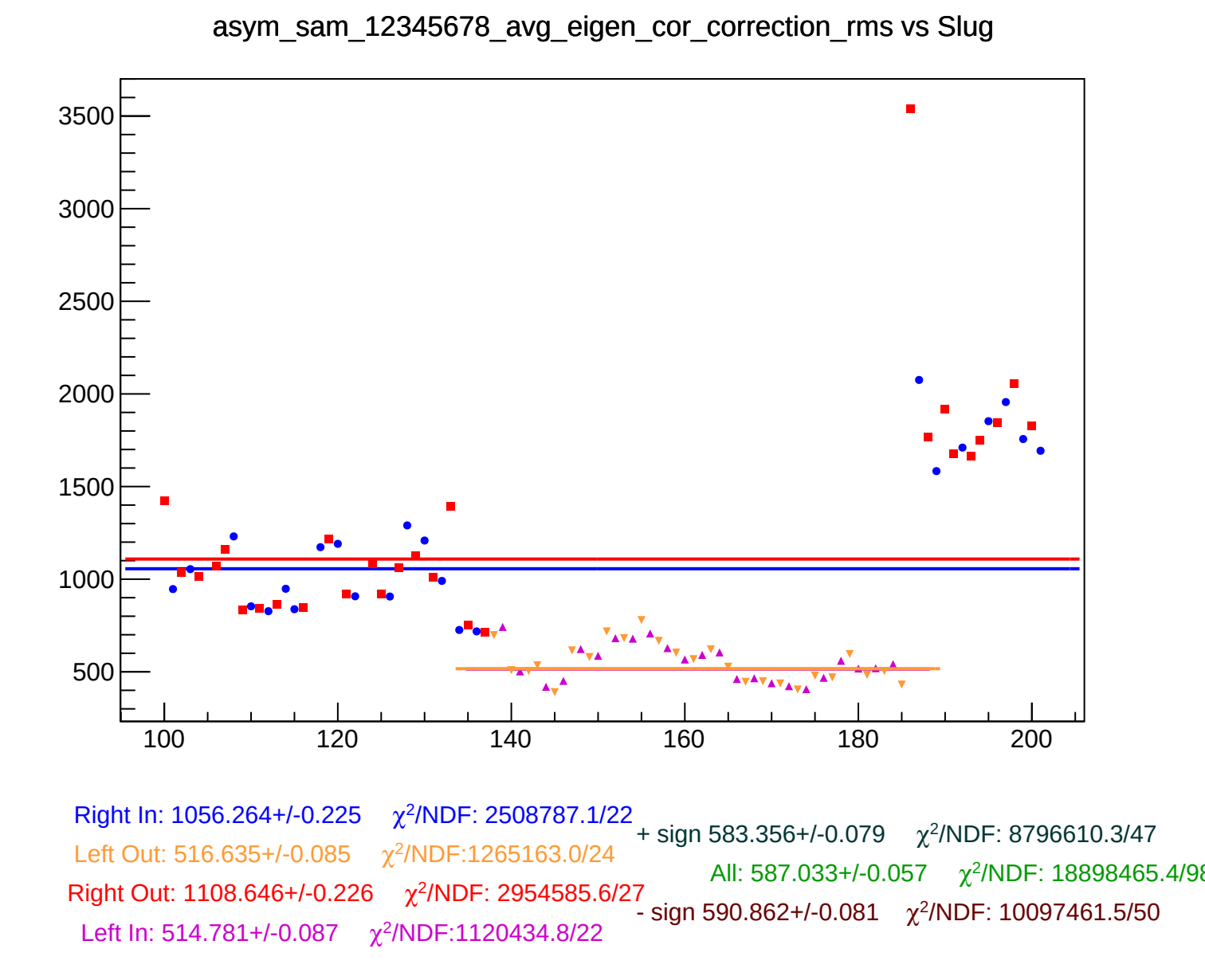
160
180
200
Right In: -594.615+/-318.775 χ²/NDF: 25.4/22
Left Out: -574.811+/-119.736 χ²/NDF:68.8/24
Right Out: -829.157+/-319.556 χ²/NDF: 18.6/27
Left In: -88.333+/-122.492 χ²/NDF:24.6/22
+ sign -577.260+/-112.090 χ²/NDF: 94.2/47
All: -384.230+/-80.056 χ²/NDF: 148.1/98
- sign -183.241+/-114.377 χ²/NDF: 47.9/50


asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug
3500
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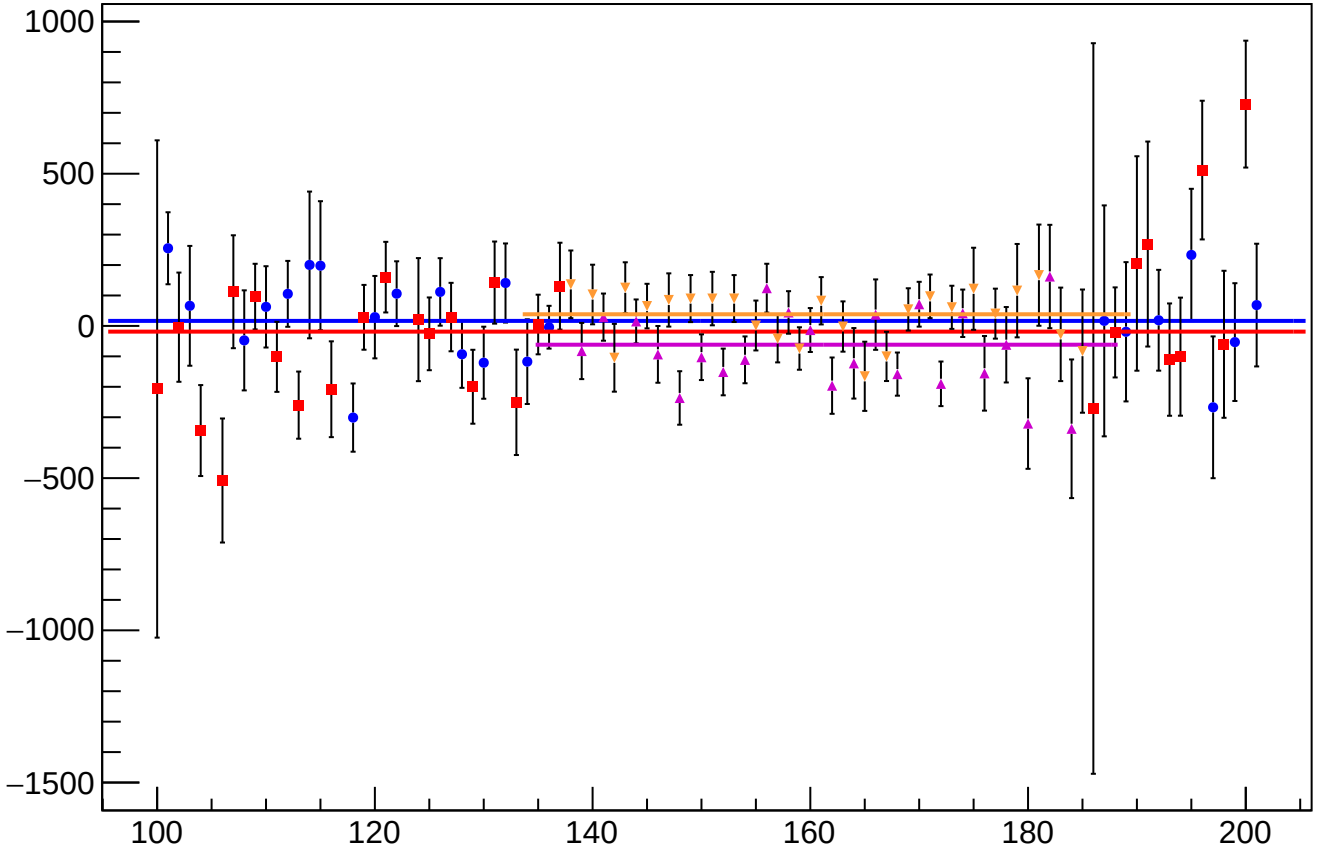
200
Right In: 1056.264+/-0.225 χ²/NDF: 2508787.1/22
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1108.646+/-0.226 χ²/NDF: 2954585.6/27
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 583.356+/-0.079 χ²/NDF: 8796610.3/47
All: 587.033+/-0.057 χ²/NDF: 18898465.4/98
- sign 590.862+/-0.081 χ²/NDF: 10097461.5/50

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: -18.741+/-28.407 χ^2/NDF: 48.3/27

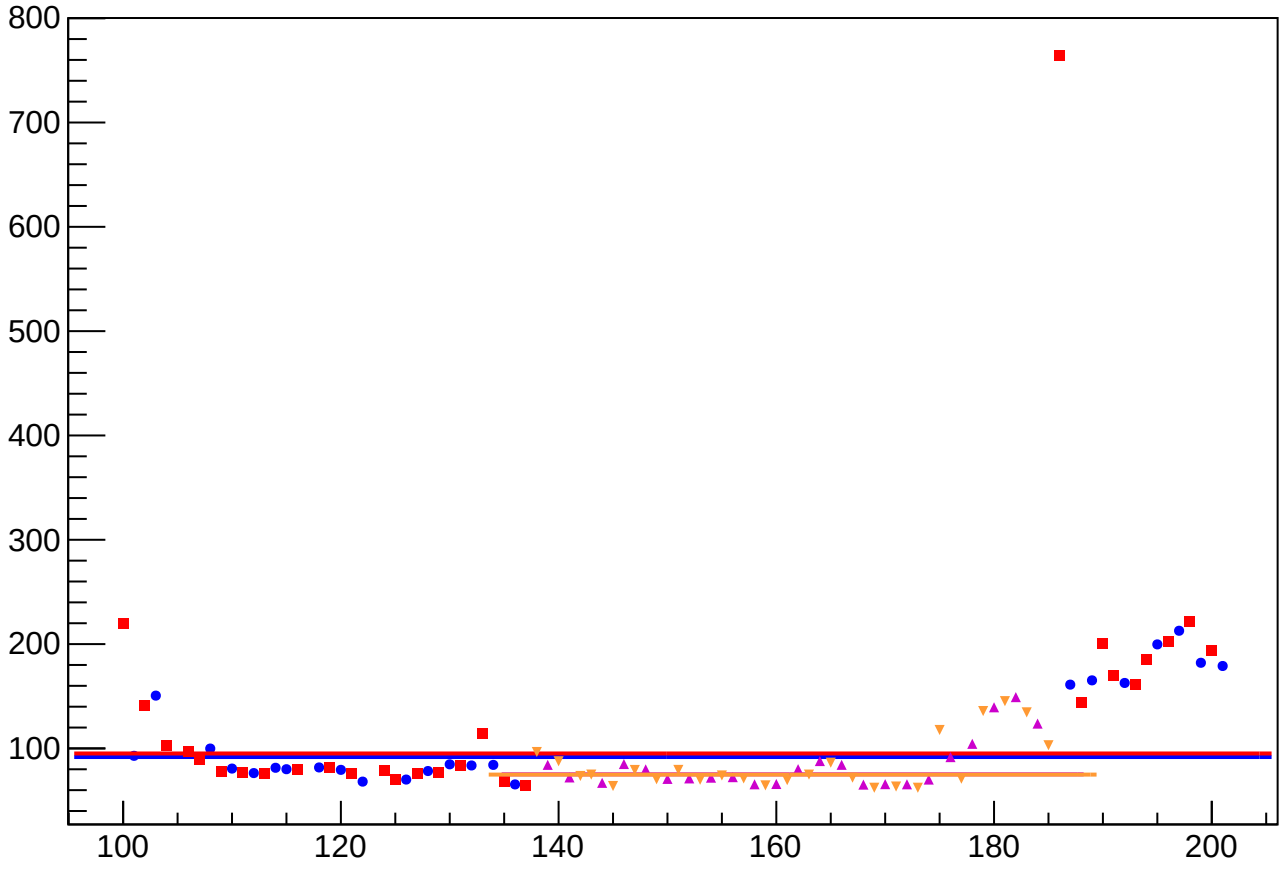
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.203+/-15.004 χ^2/NDF: 42.1/47

All: -7.662+/-10.719 χ^2/NDF: 143.1/98

- sign -49.223+/-15.320 χ^2/NDF: 86.6/50

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

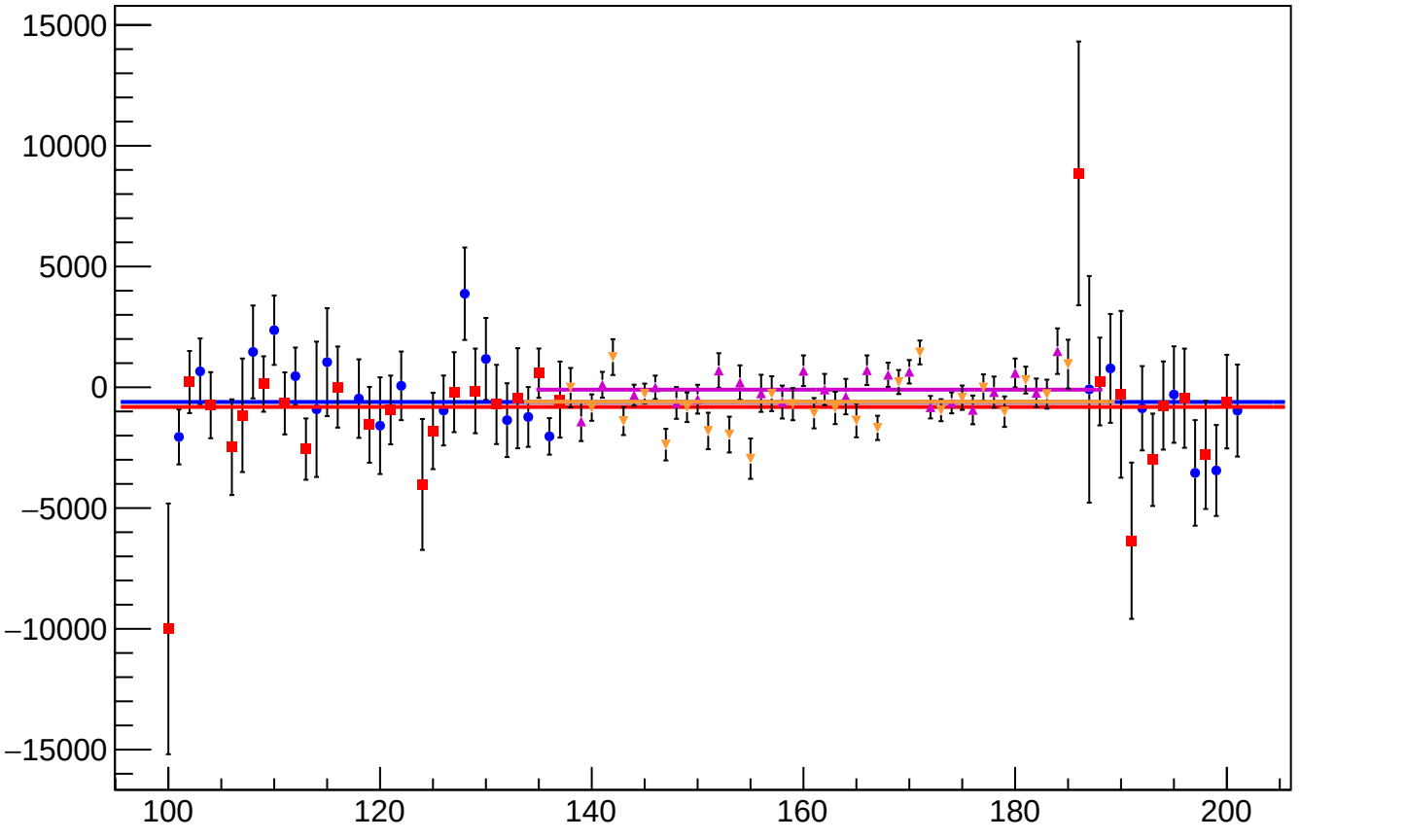
Right Out: 95.152+/-0.020 χ^2/NDF: 4189622.5/27

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 79.603+/-0.011 χ^2/NDF: 5438811.2/47

All: 80.273+/-0.008 χ^2/NDF: 11651914.8/98

- sign 80.971+/-0.011 χ^2/NDF: 6204958.5/50



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: -812.773+/-318.833 χ^2/NDF: 20.2/27

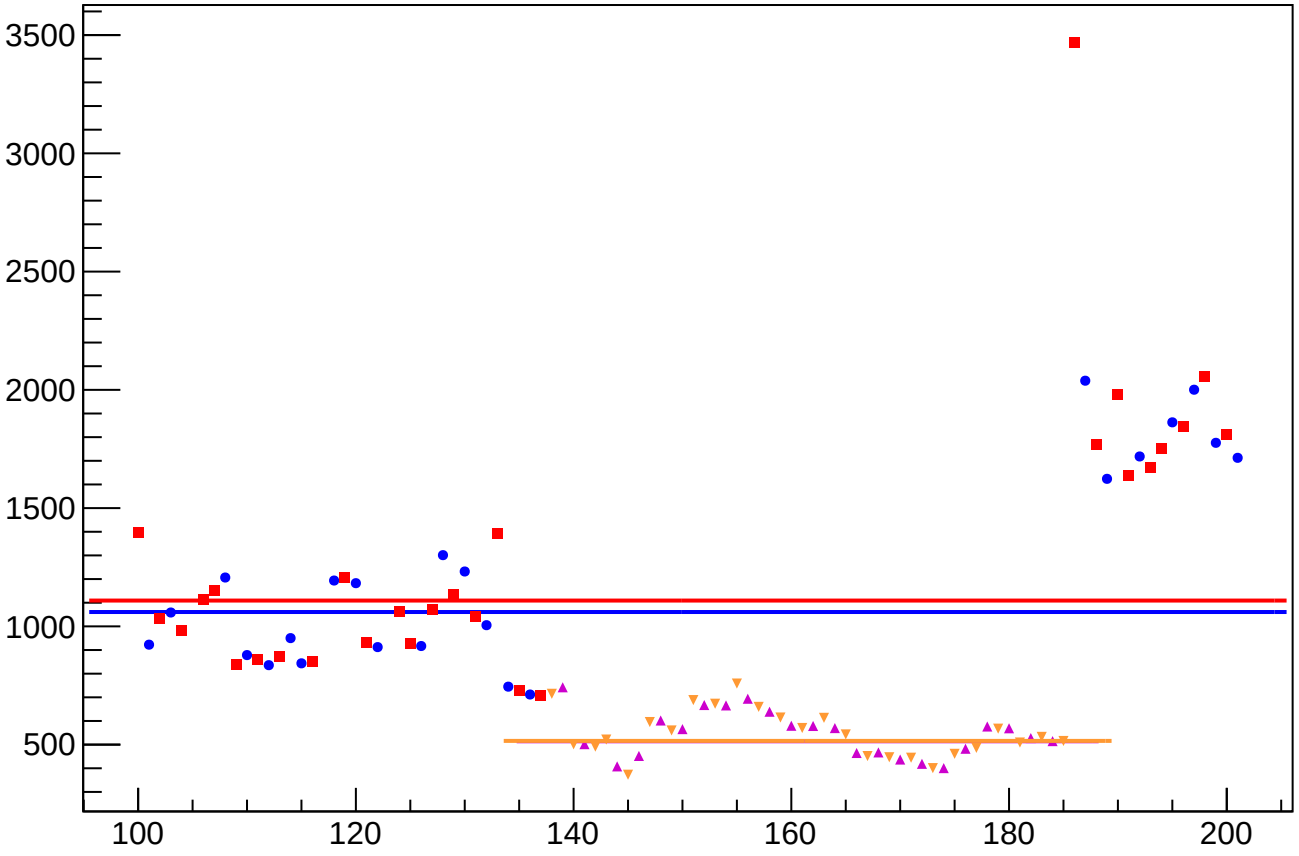
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -599.941+/-111.816 χ^2/NDF: 90.1/47

All: -399.608+/-79.894 χ^2/NDF: 144.8/98

- sign -190.655+/-114.196 χ^2/NDF: 48.2/50

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1060.675+/-0.226 χ^2/NDF: 2551671.6/22

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1109.129+/-0.225 χ^2/NDF: 2969696.6/27

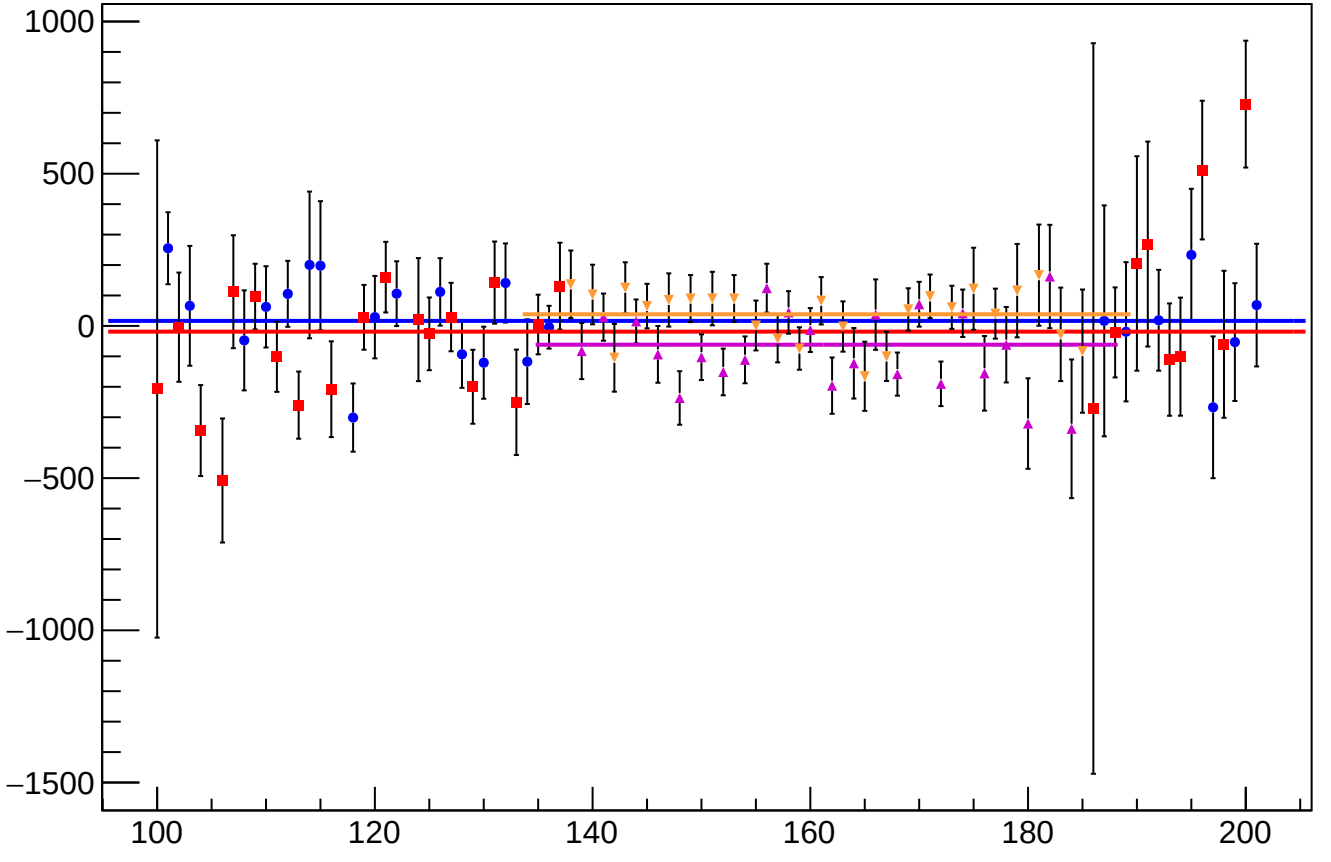
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 582.178+/-0.079 χ^2/NDF: 8867815.5/47

All: 586.213+/-0.056 χ^2/NDF: 19032275.1/98

- sign 590.422+/-0.081 χ^2/NDF: 10159137.3/50

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: -18.739+/-28.407 χ^2/NDF: 48.3/27

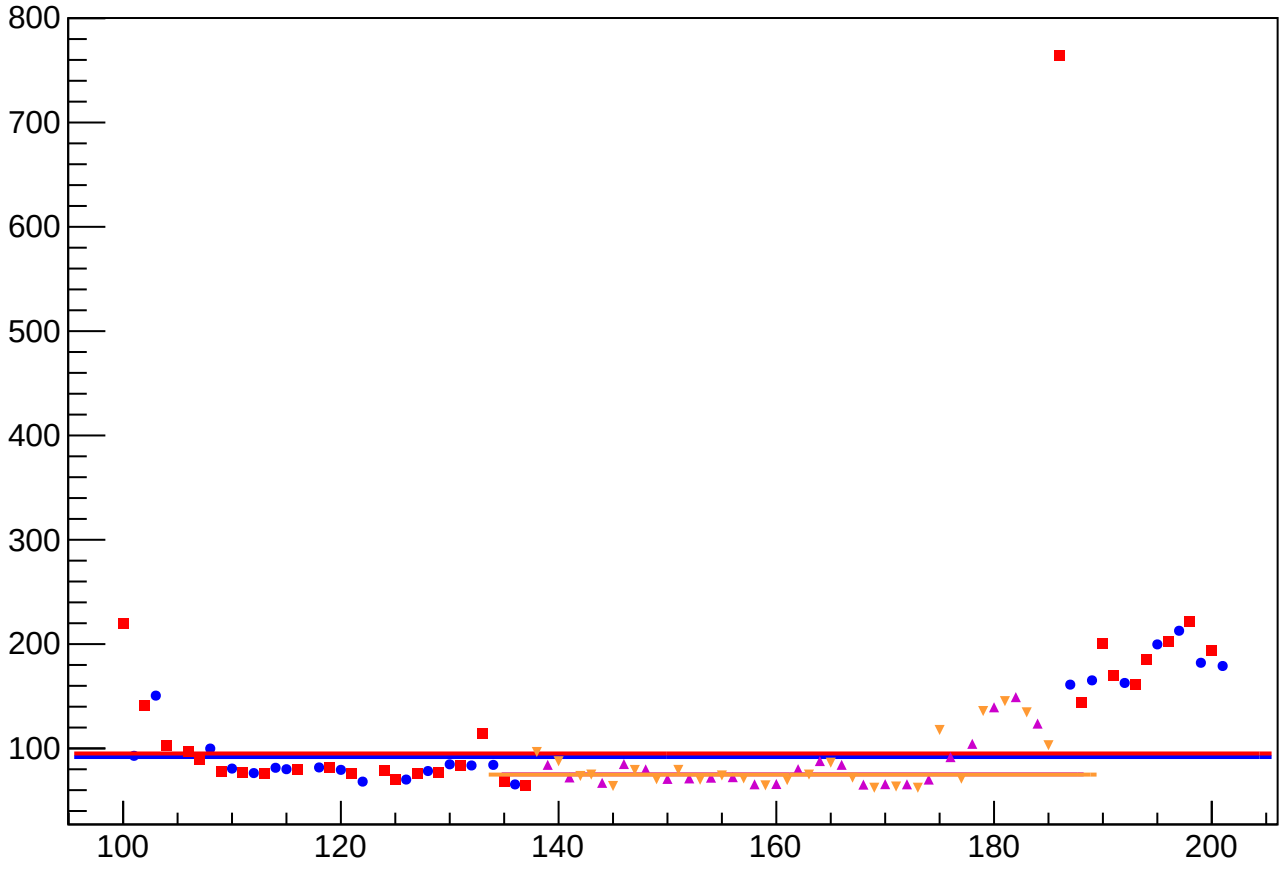
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.203+/-15.004 χ^2/NDF: 42.1/47

All: -7.661+/-10.719 χ^2/NDF: 143.1/98

- sign -49.222+/-15.320 χ^2/NDF: 86.6/50

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

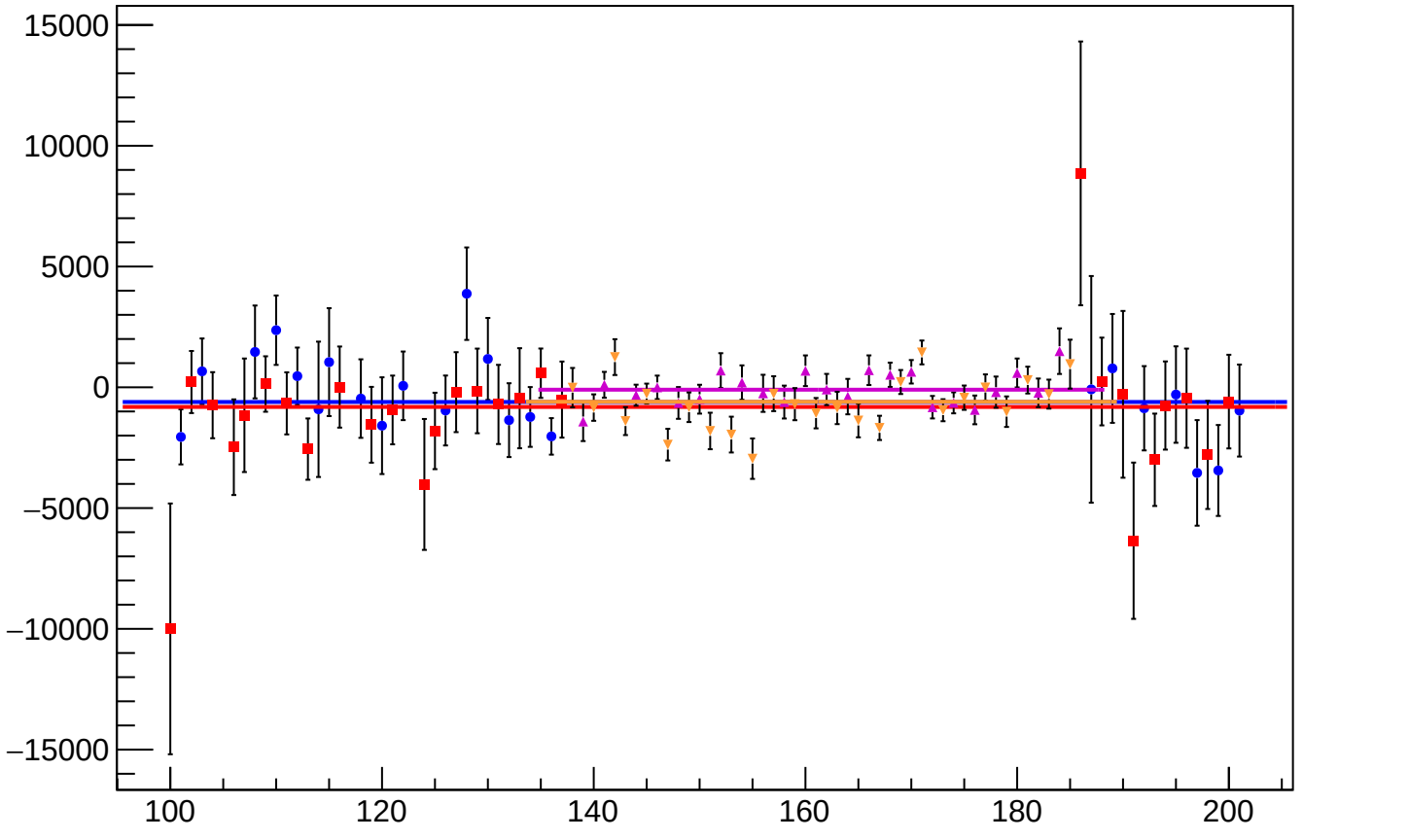
Right Out: 95.152+/-0.020 χ^2/NDF: 4189645.4/27

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 79.603+/-0.011 χ^2/NDF: 5438788.6/47

All: 80.273+/-0.008 χ^2/NDF: 11651868.3/98

- sign 80.971+/-0.011 χ^2/NDF: 6204934.2/50



Right In: -607.968+/-320.280 χ^2/NDF: 25.0/22

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

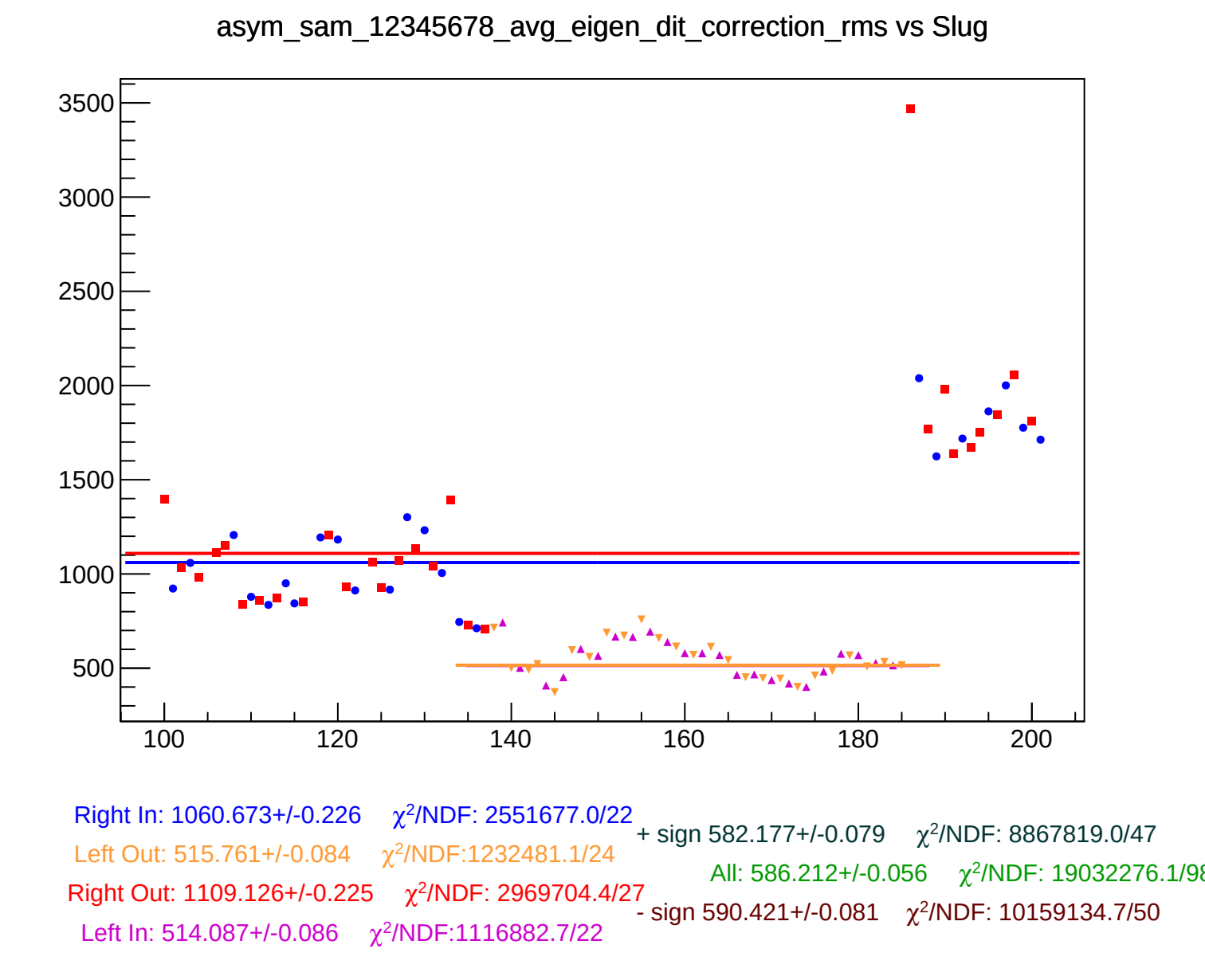
Right Out: -812.771+/-318.832 χ^2/NDF: 20.2/27

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -599.940+/-111.816 χ^2/NDF: 90.1/47

All: -399.607+/-79.894 χ^2/NDF: 144.8/98

- sign -190.655+/-114.196 χ^2/NDF: 48.2/50


asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug
3500
3000
2500
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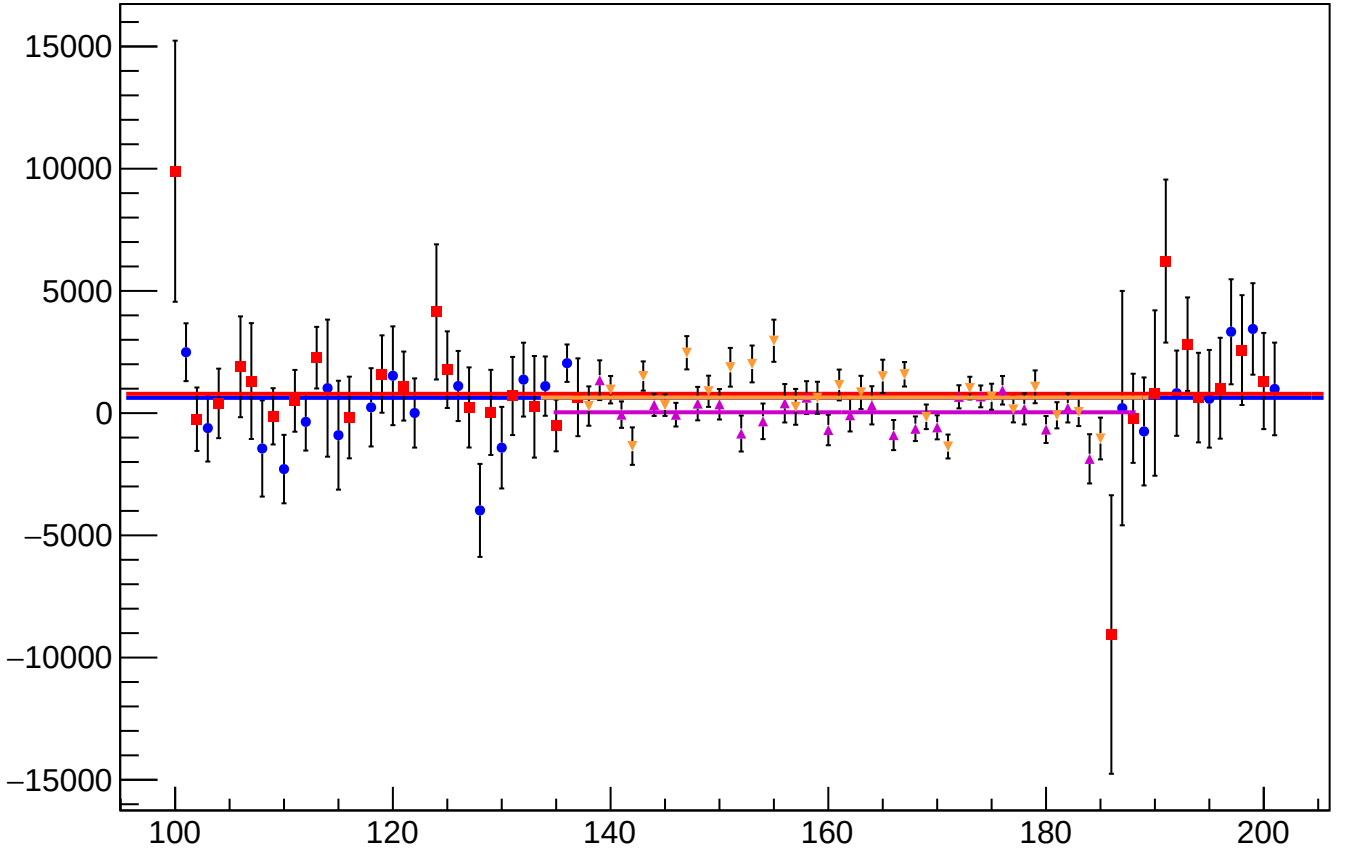
100
120
140
160
180
200
Right In: 1060.673+/-0.226 χ²/NDF: 2551677.0/22
Left Out: 515.761+/-0.084 χ²/NDF:1232481.1/24
Right Out: 1109.126+/-0.225 χ²/NDF: 2969704.4/27
Left In: 514.087+/-0.086 χ²/NDF:1116882.7/22
+ sign 582.177+/-0.079 χ²/NDF: 8867819.0/47
All: 586.212+/-0.056 χ²/NDF: 19032276.1/98
- sign 590.421+/-0.081 χ²/NDF: 10159134.7/50

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: 790.587+/-320.615 χ^2/NDF: 18.2/27

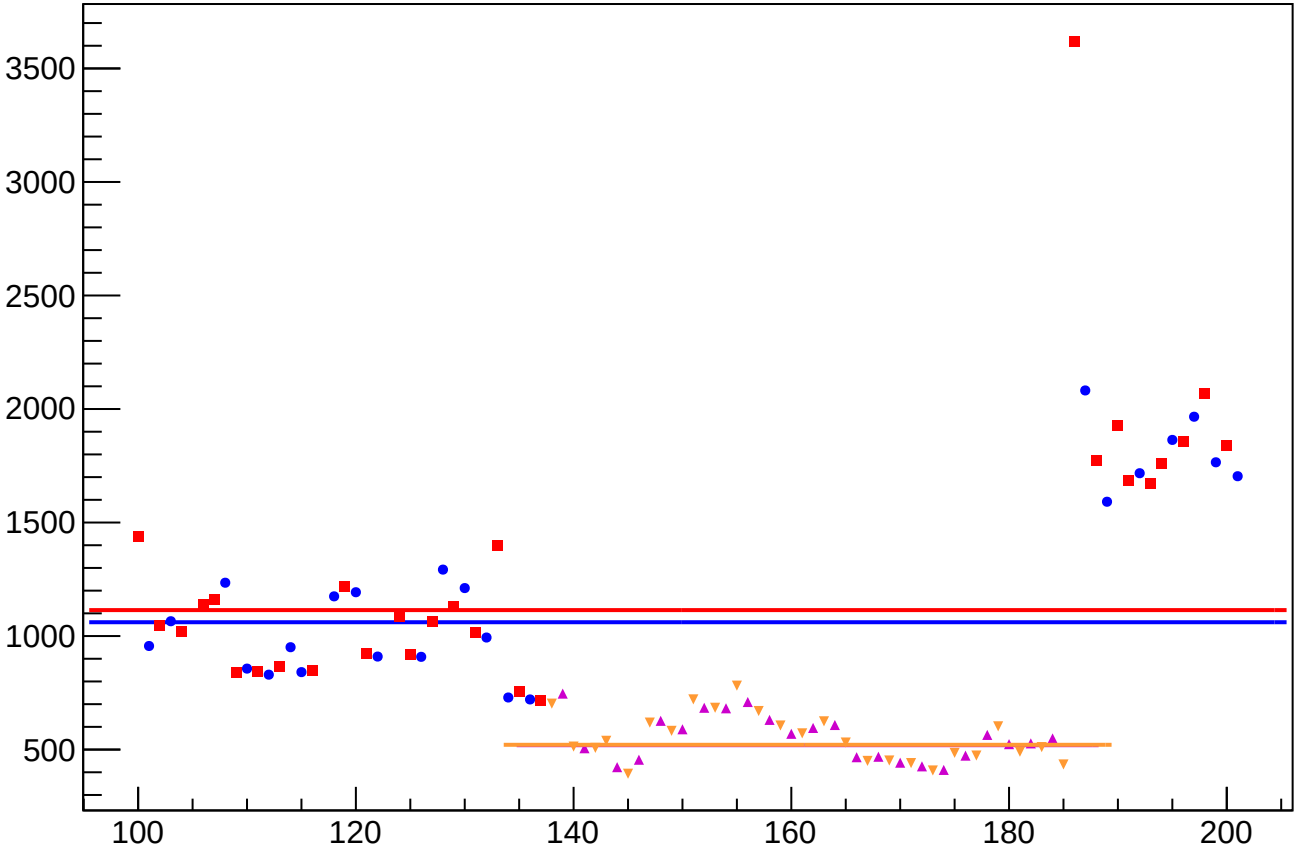
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 633.561+/-112.956 χ^2/NDF: 90.5/47

All: 388.081+/-80.674 χ^2/NDF: 148.3/98

- sign 132.483+/-115.260 χ^2/NDF: 48.2/50

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

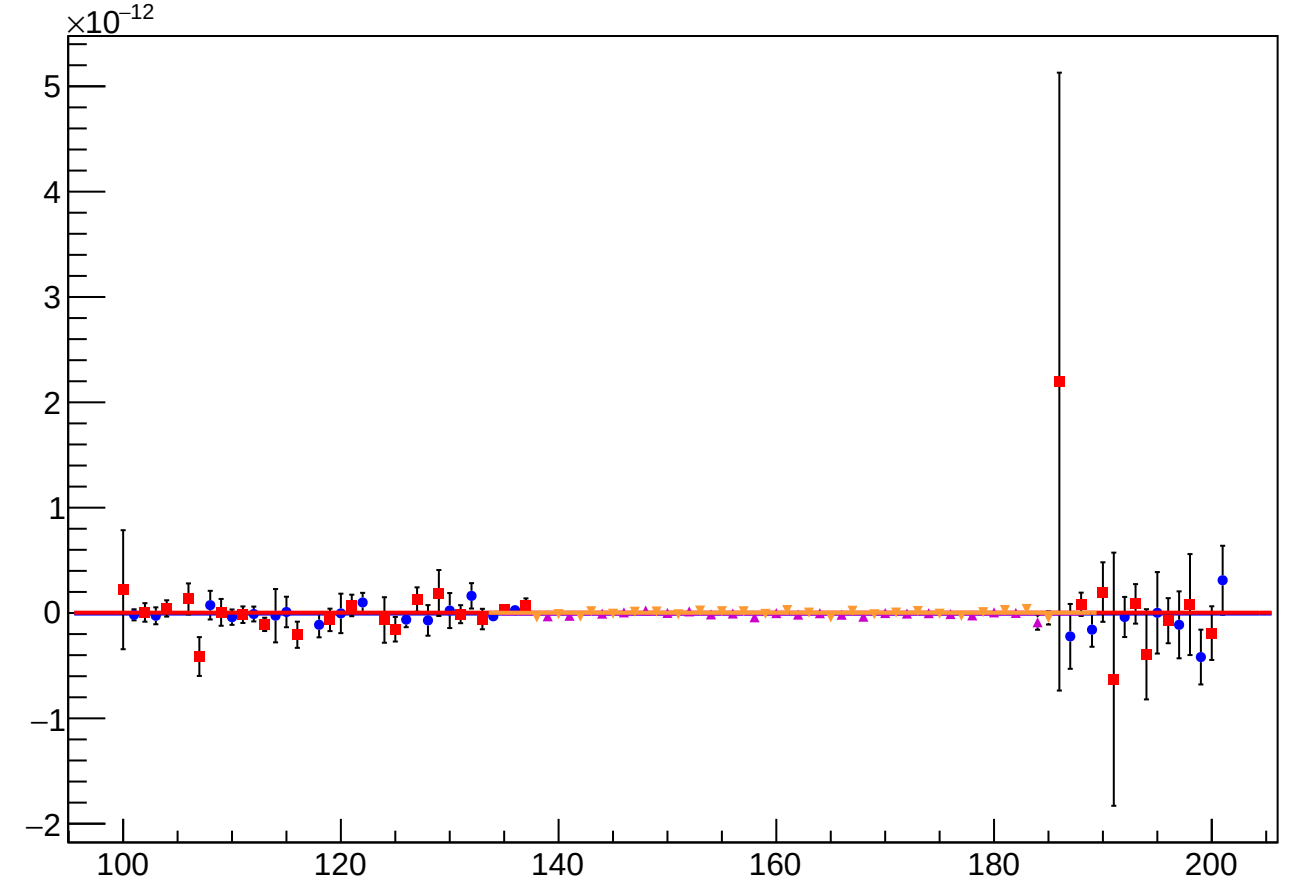
Right Out: 1114.291+/-0.227 χ^2/NDF: 2968385.5/27

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 588.210+/-0.080 χ^2/NDF: 8733282.5/47

All: 592.096+/-0.057 χ^2/NDF: 18805942.0/98

- sign 596.142+/-0.082 χ^2/NDF: 10067827.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

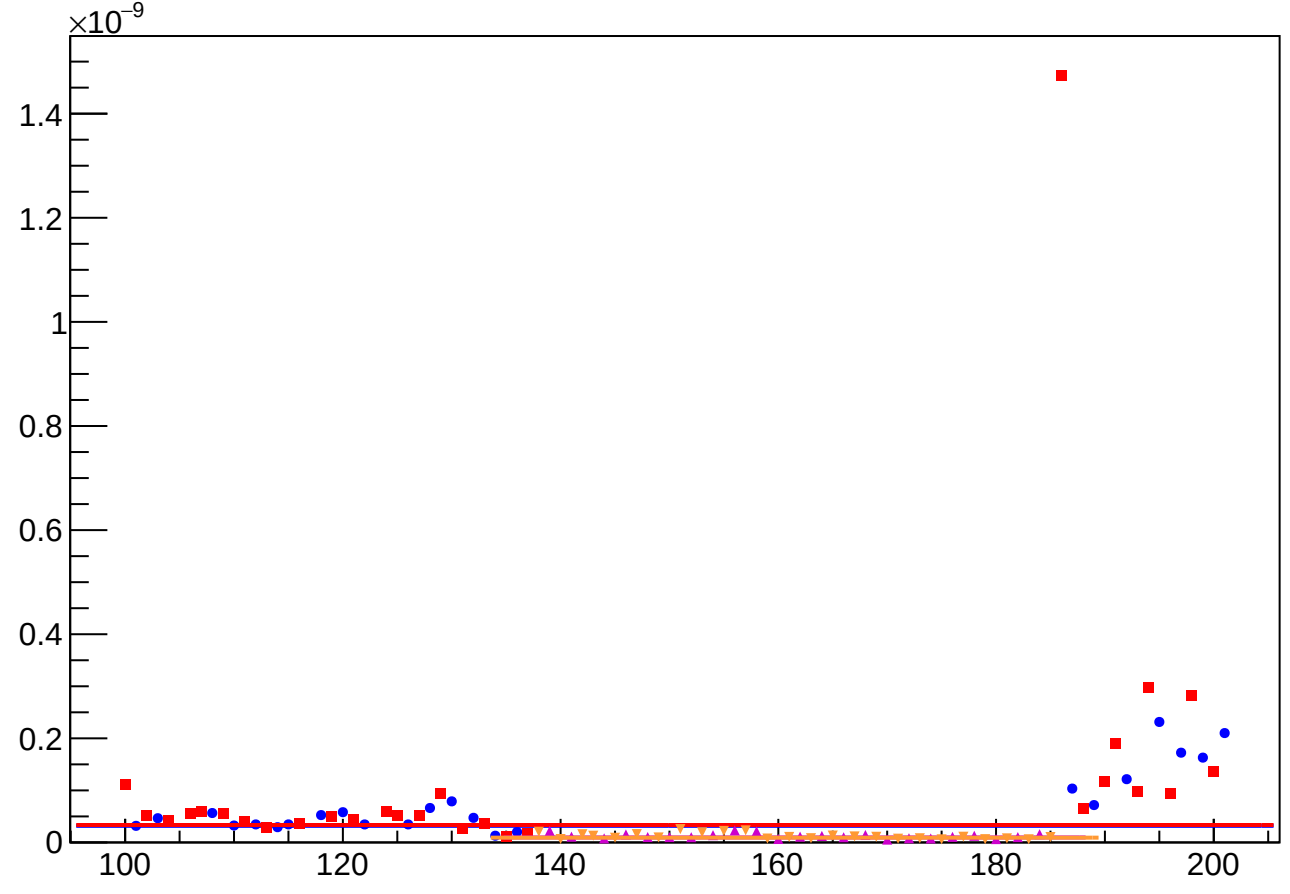
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/27

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/47

All: -0.000+/-0.000 χ^2/NDF: 70.2/98

- sign -0.000+/-0.000 χ^2/NDF: 34.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 3923338.7/22

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

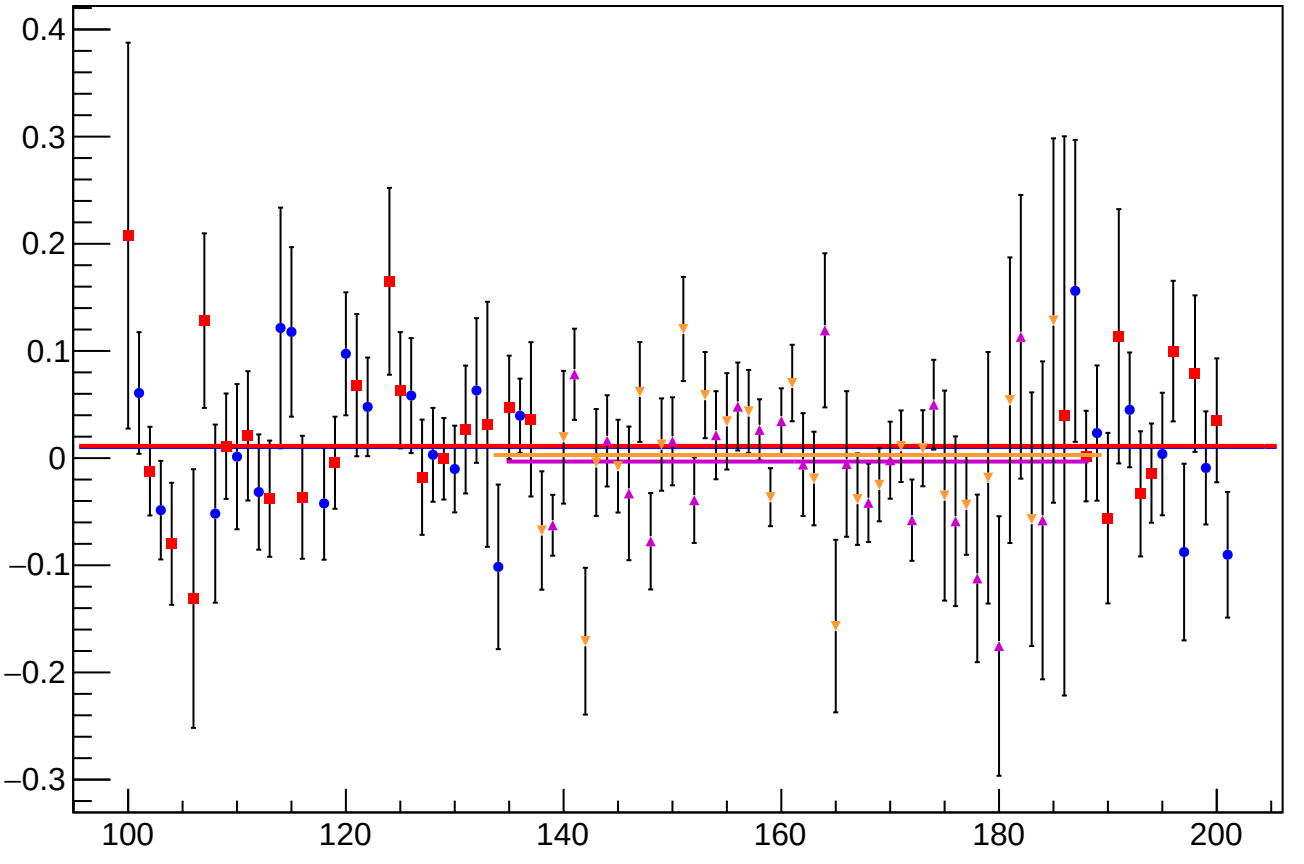
Right Out: 0.000+/-0.000 χ^2/NDF: 4633944.8/27

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: 18713935.6/98

- sign 0.000+/-0.000 χ^2/NDF: 9381186.8/50



Right In: 0.010+/-0.012 χ^2/NDF: 21.0/22

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

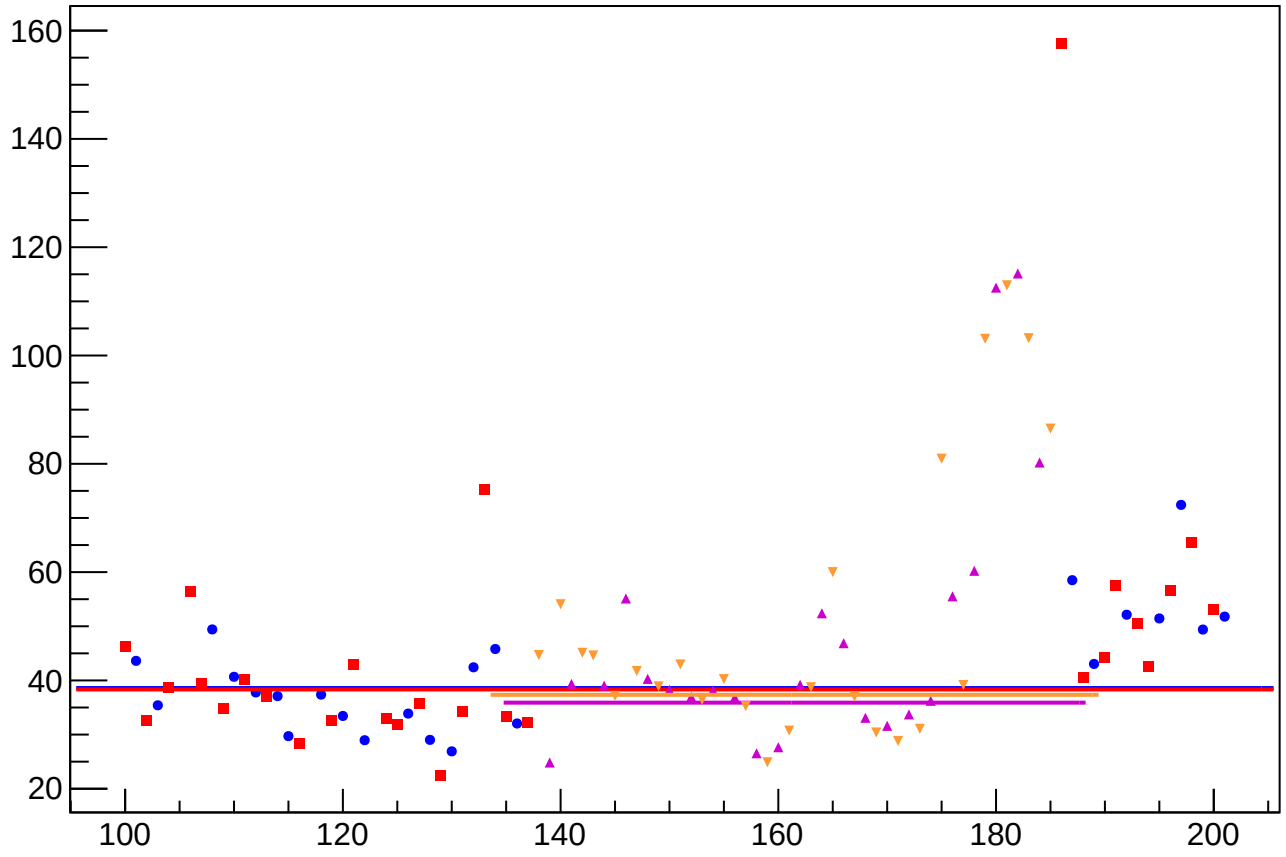
Right Out: 0.011+/-0.011 χ^2/NDF: 20.4/27

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: 105.4/98

- sign 0.003+/-0.007 χ^2/NDF: 51.2/50



Right In: 38.593+/-0.008 χ^2/NDF: 1366095.9/22

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

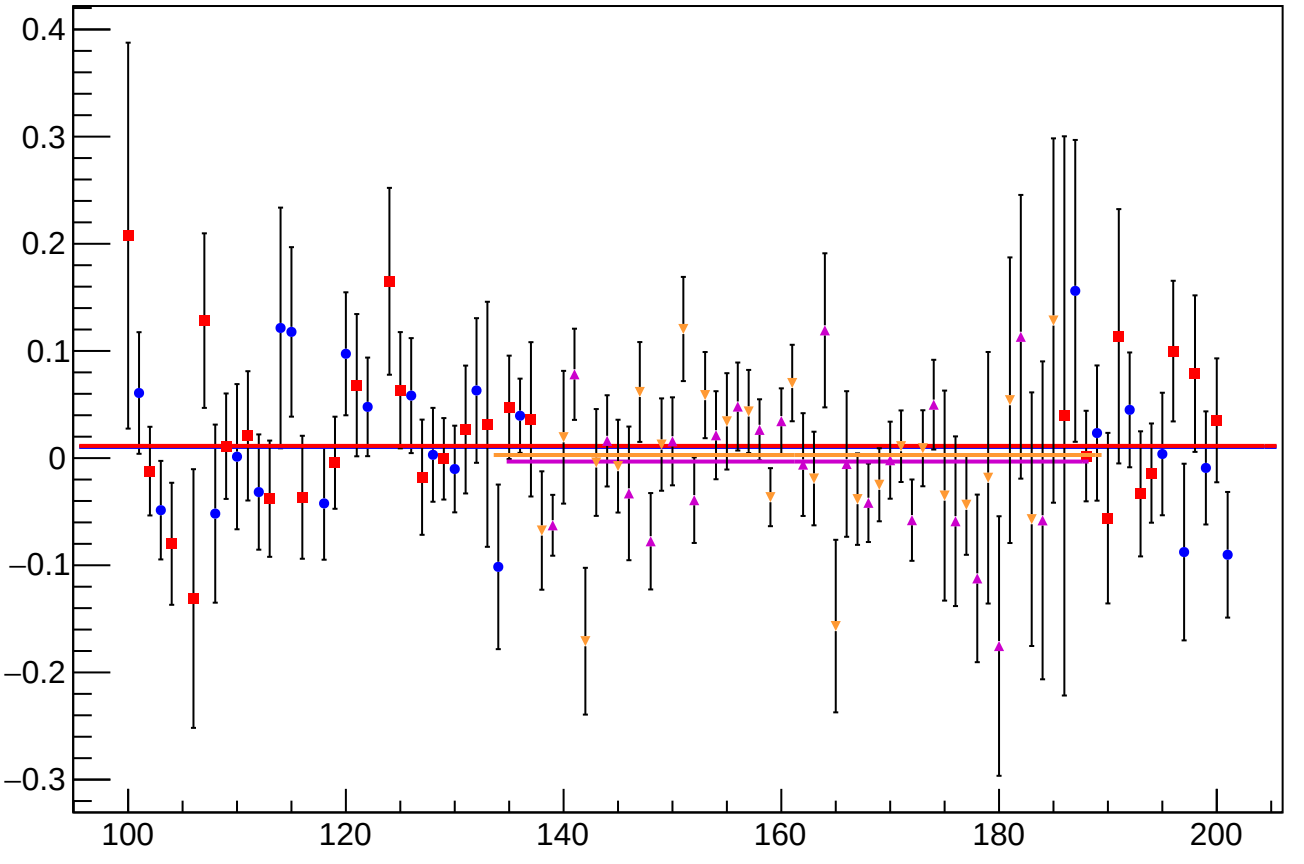
Right Out: 38.330+/-0.008 χ^2/NDF: 2005116.7/27

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.826+/-0.005 χ^2/NDF: 5076778.5/47

All: 37.339+/-0.004 χ^2/NDF: 10294571.5/98

- sign 36.875+/-0.005 χ^2/NDF: 5200199.6/50



Right In: 0.010+/-0.012 χ^2/NDF: 21.0/22

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

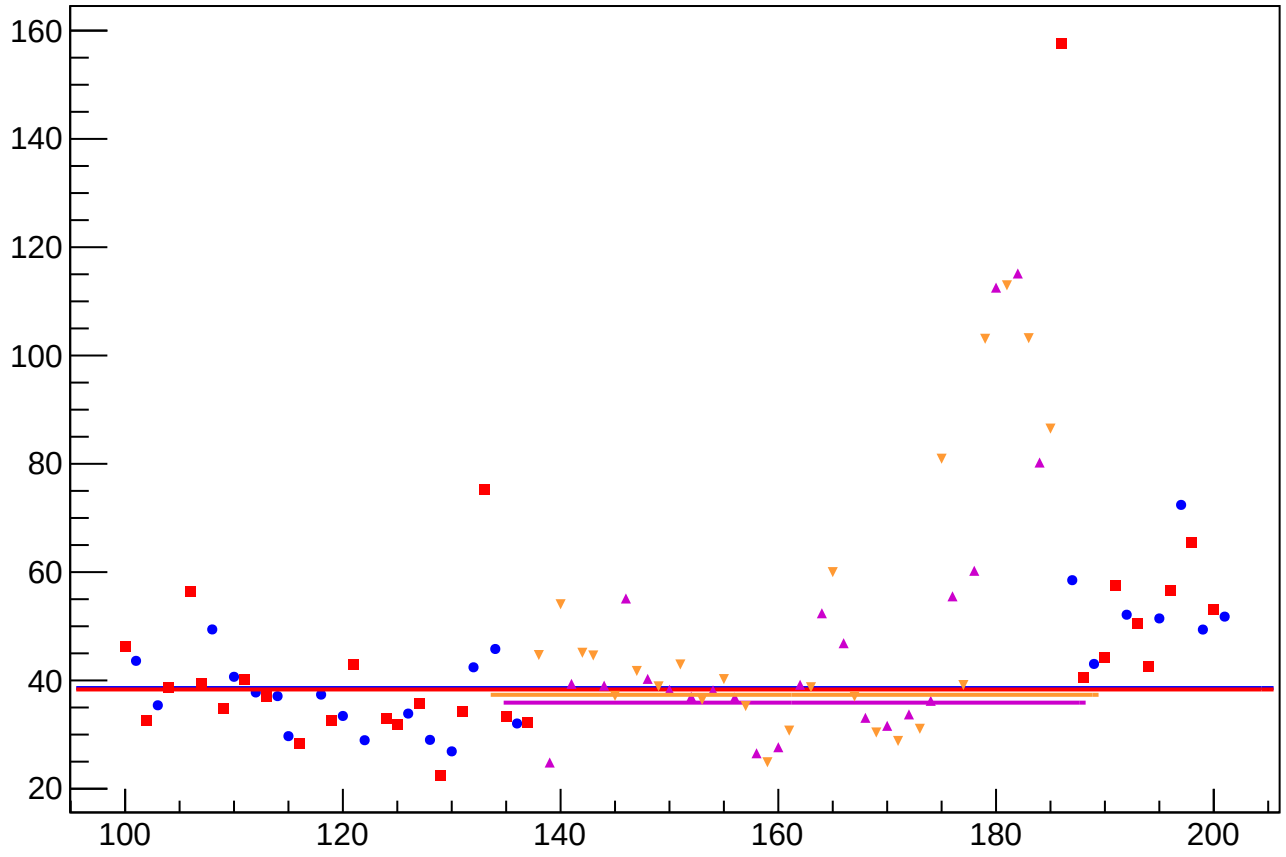
Right Out: 0.011+/-0.011 χ^2/NDF: 20.4/27

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: 105.4/98

- sign 0.003+/-0.007 χ^2/NDF: 51.2/50



Right In: 38.593+/-0.008 χ^2/NDF: 1366095.9/22

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

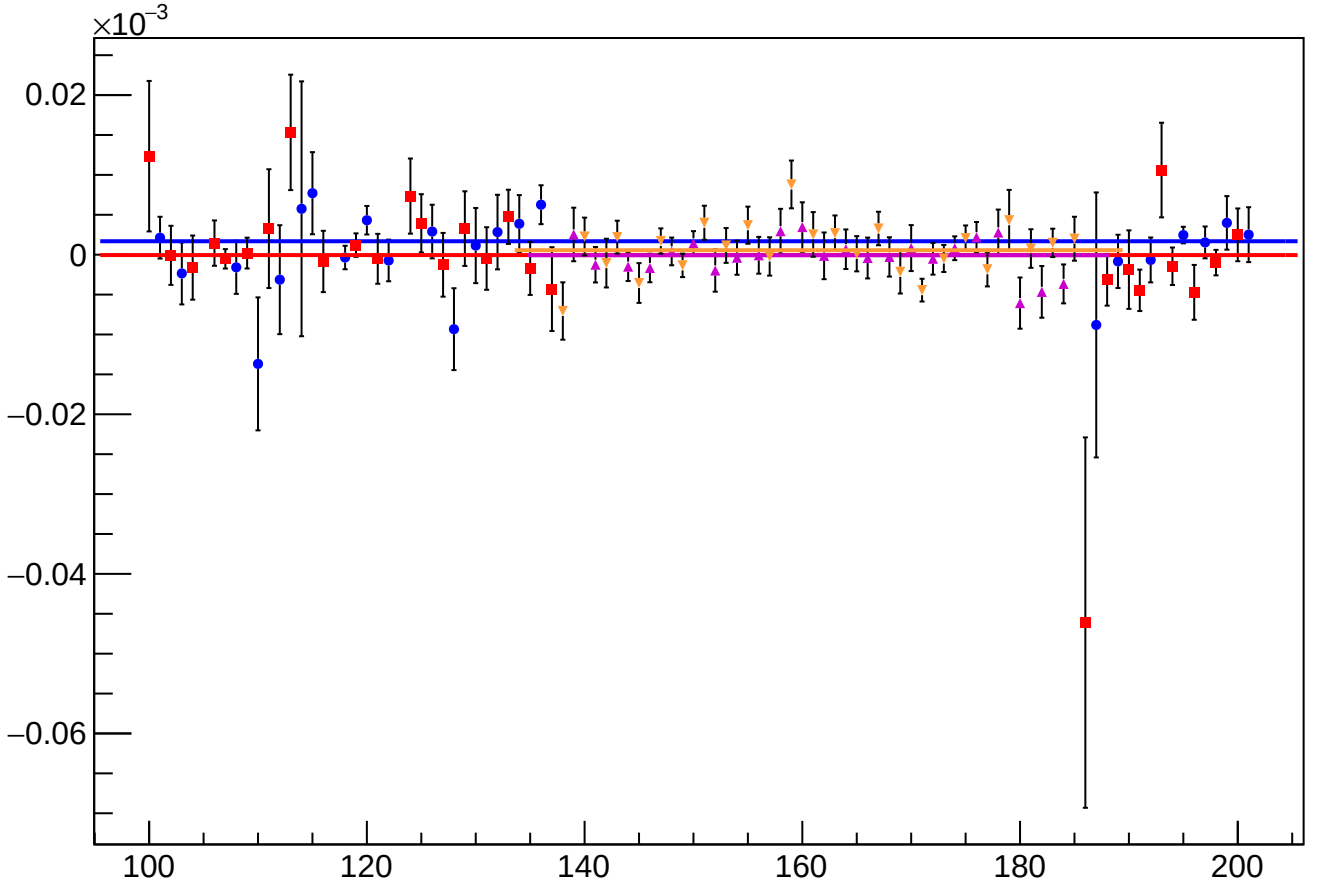
Right Out: 38.330+/-0.008 χ^2/NDF: 2005116.7/27

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.826+/-0.005 χ^2/NDF: 5076778.5/47

All: 37.339+/-0.004 χ^2/NDF: 10294571.5/98

- sign 36.875+/-0.005 χ^2/NDF: 5200199.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/22

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

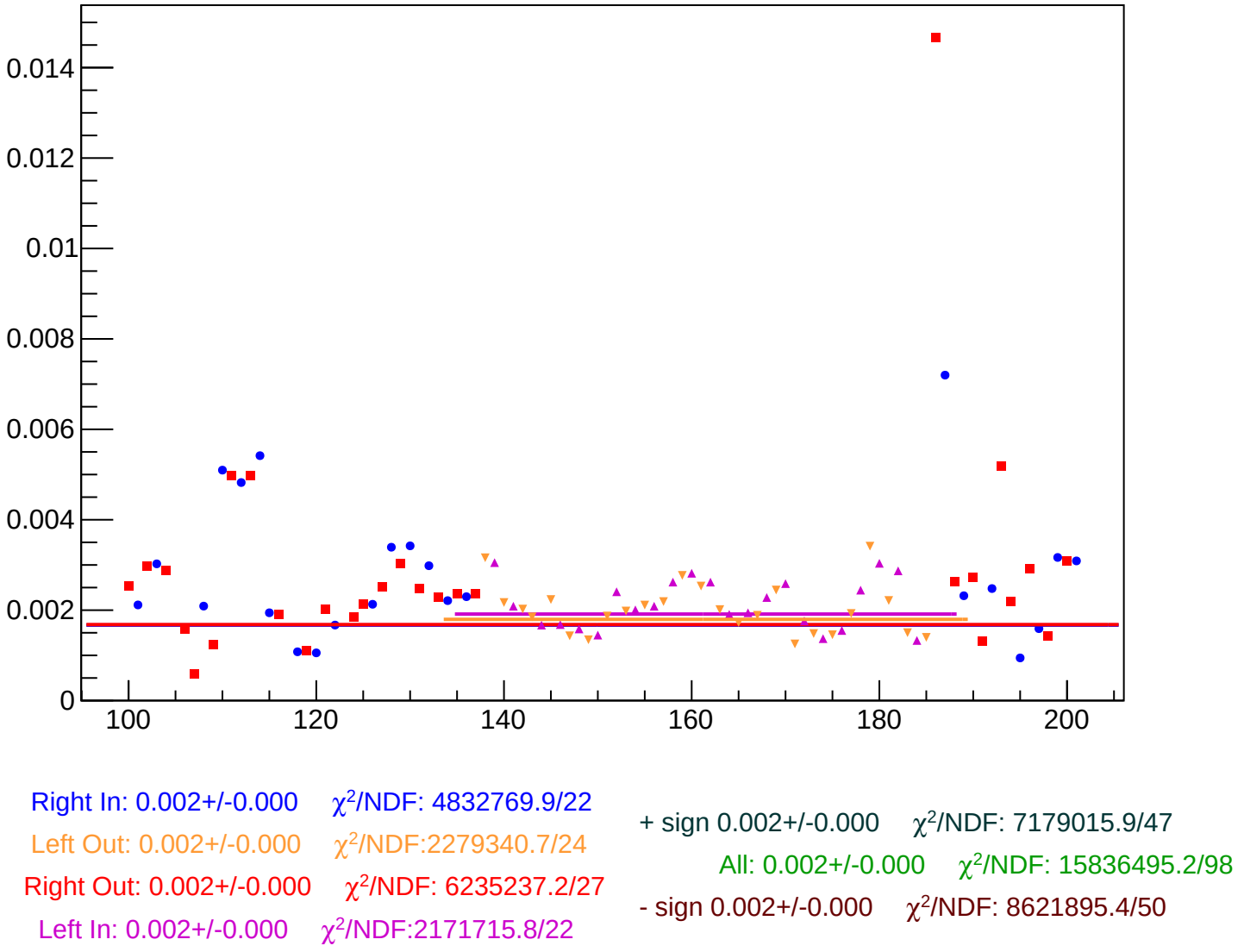
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/27

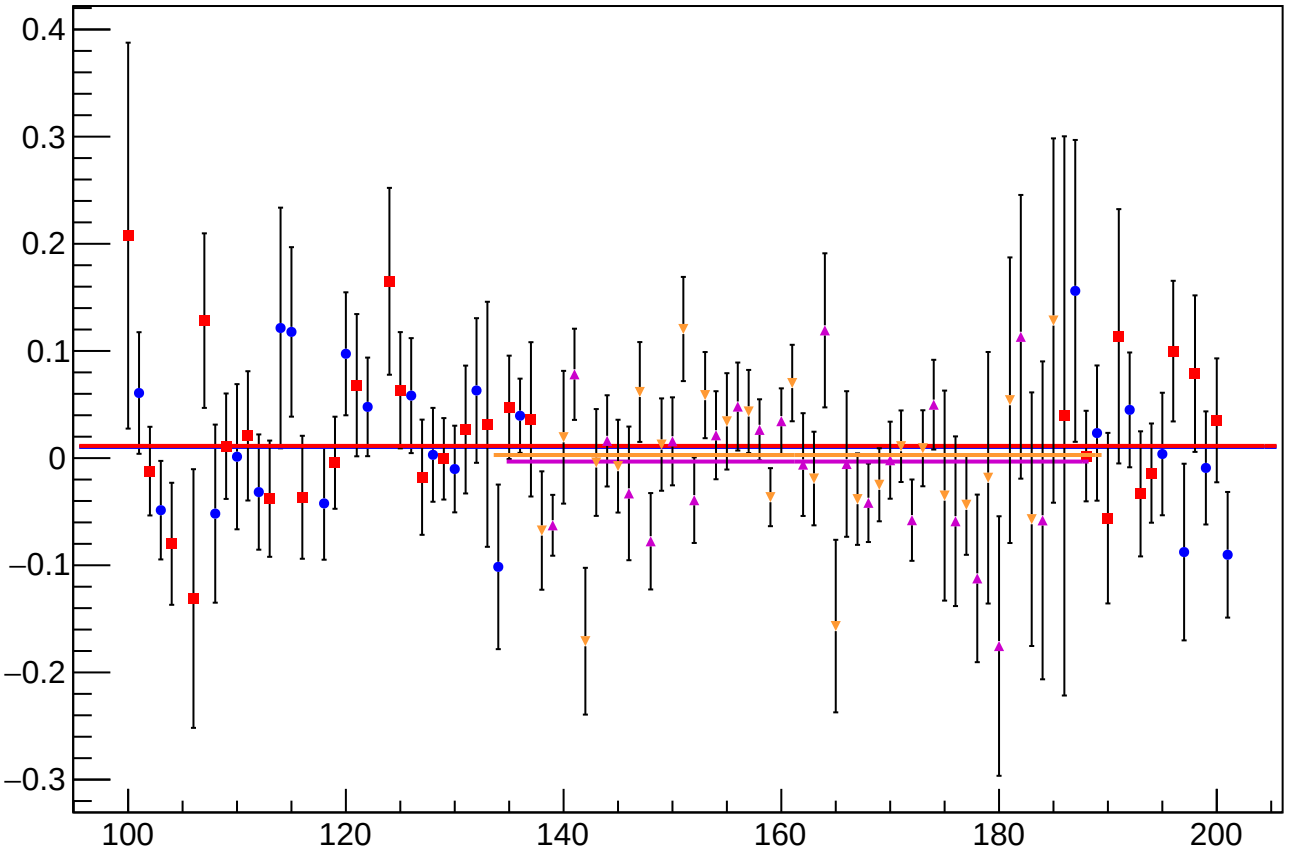
Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.0/47

All: 0.000+/-0.000 χ^2/NDF: 120.8/98

- sign -0.000+/-0.000 χ^2/NDF: 46.2/50


asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
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: 4832769.9/22
Left Out: 0.002+/-0.000 χ²/NDF:2279340.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 6235237.2/27
Left In: 0.002+/-0.000 χ²/NDF:2171715.8/22
+ sign 0.002+/-0.000 χ²/NDF: 7179015.9/47
All: 0.002+/-0.000 χ²/NDF: 15836495.2/98
- sign 0.002+/-0.000 χ²/NDF: 8621895.4/50



Right In: 0.010+/-0.012 χ^2/NDF: 21.0/22

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

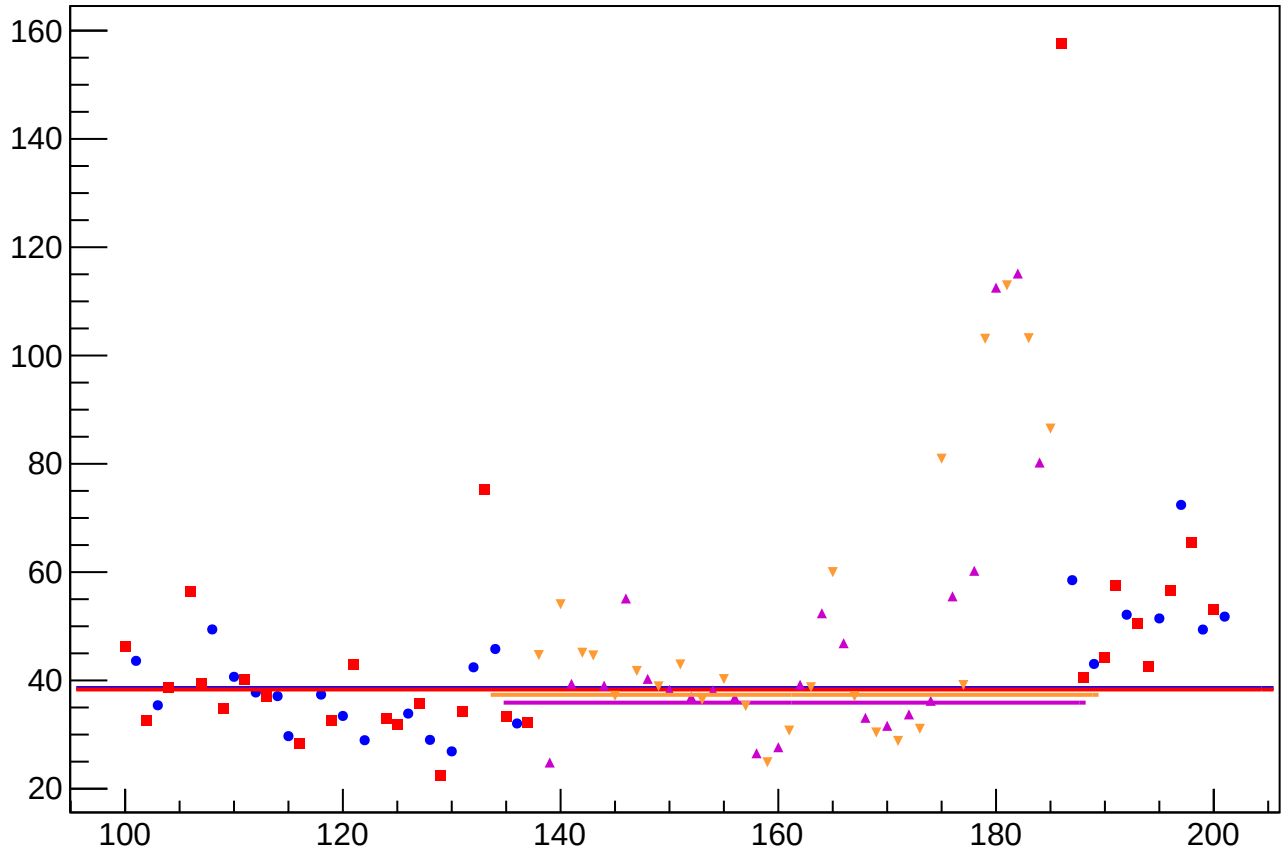
Right Out: 0.011+/-0.011 χ^2/NDF: 20.4/27

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: 105.4/98

- sign 0.003+/-0.007 χ^2/NDF: 51.2/50



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: 38.330+/-0.008 χ^2/NDF: 2005220.8/27

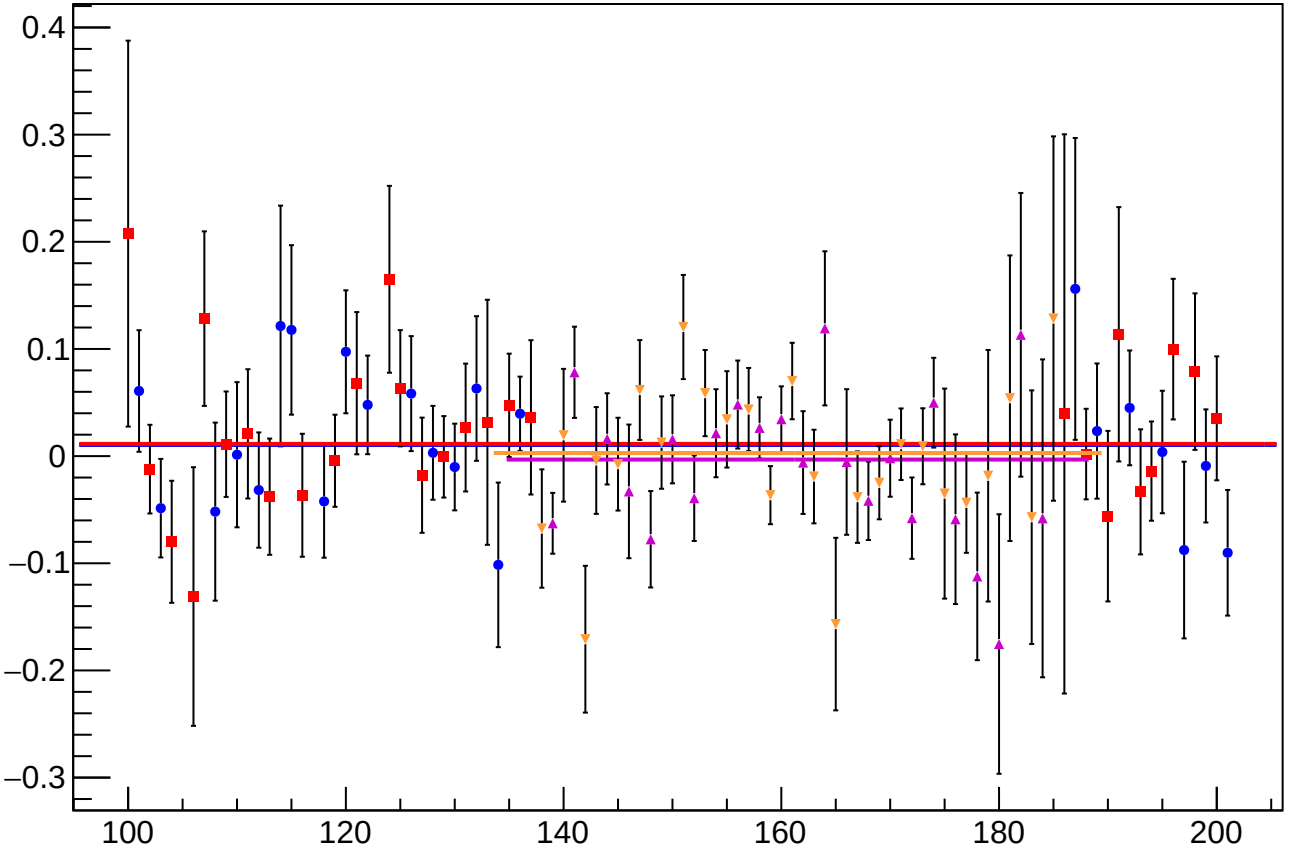
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.826+/-0.005 χ^2/NDF: 5076922.2/47

All: 37.339+/-0.004 χ^2/NDF: 10294795.1/98

- sign 36.875+/-0.005 χ^2/NDF: 5200286.5/50

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

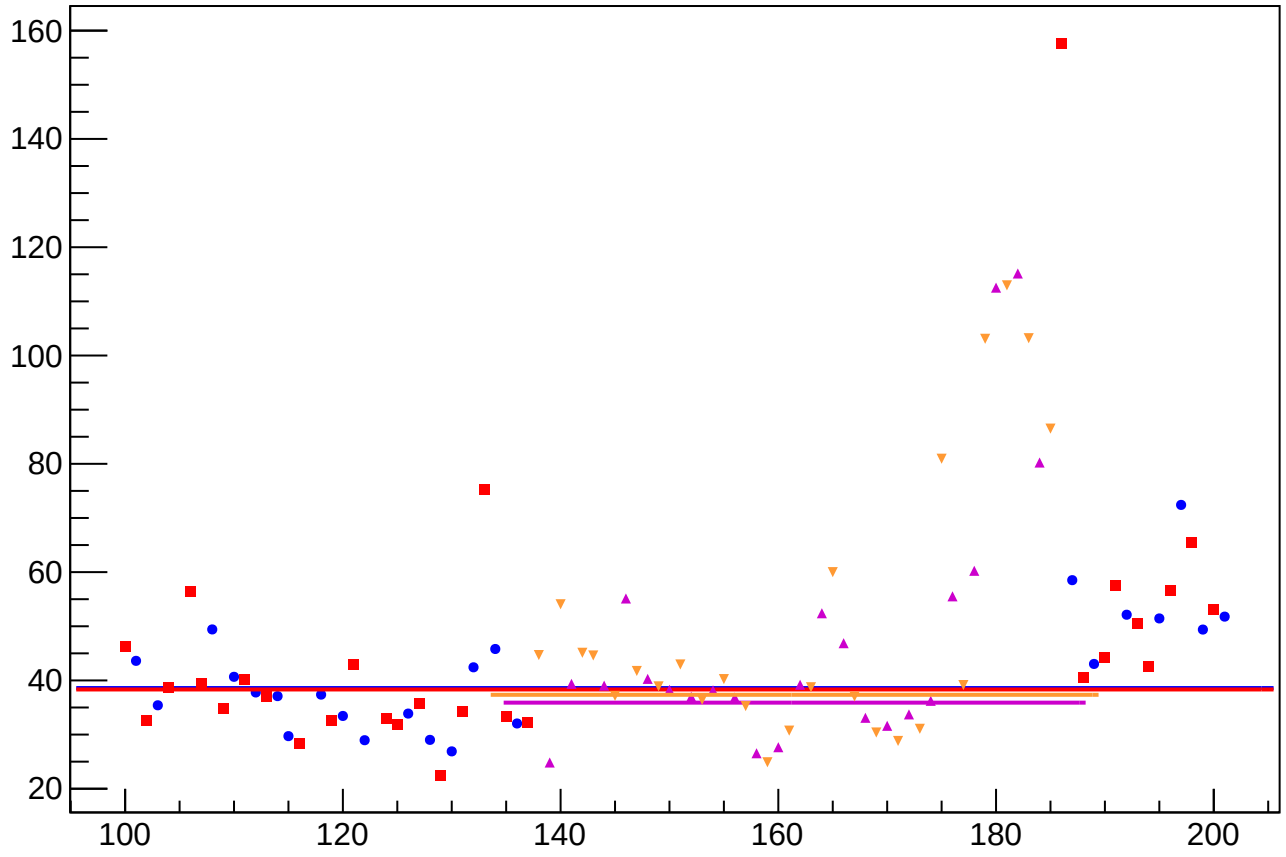
Right Out: 0.011+/-0.011 χ^2/NDF: 20.4/27

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: 105.4/98

- sign 0.003+/-0.007 χ^2/NDF: 51.2/50



Right In: 38.592+/-0.008 χ^2/NDF: 1366210.3/22

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

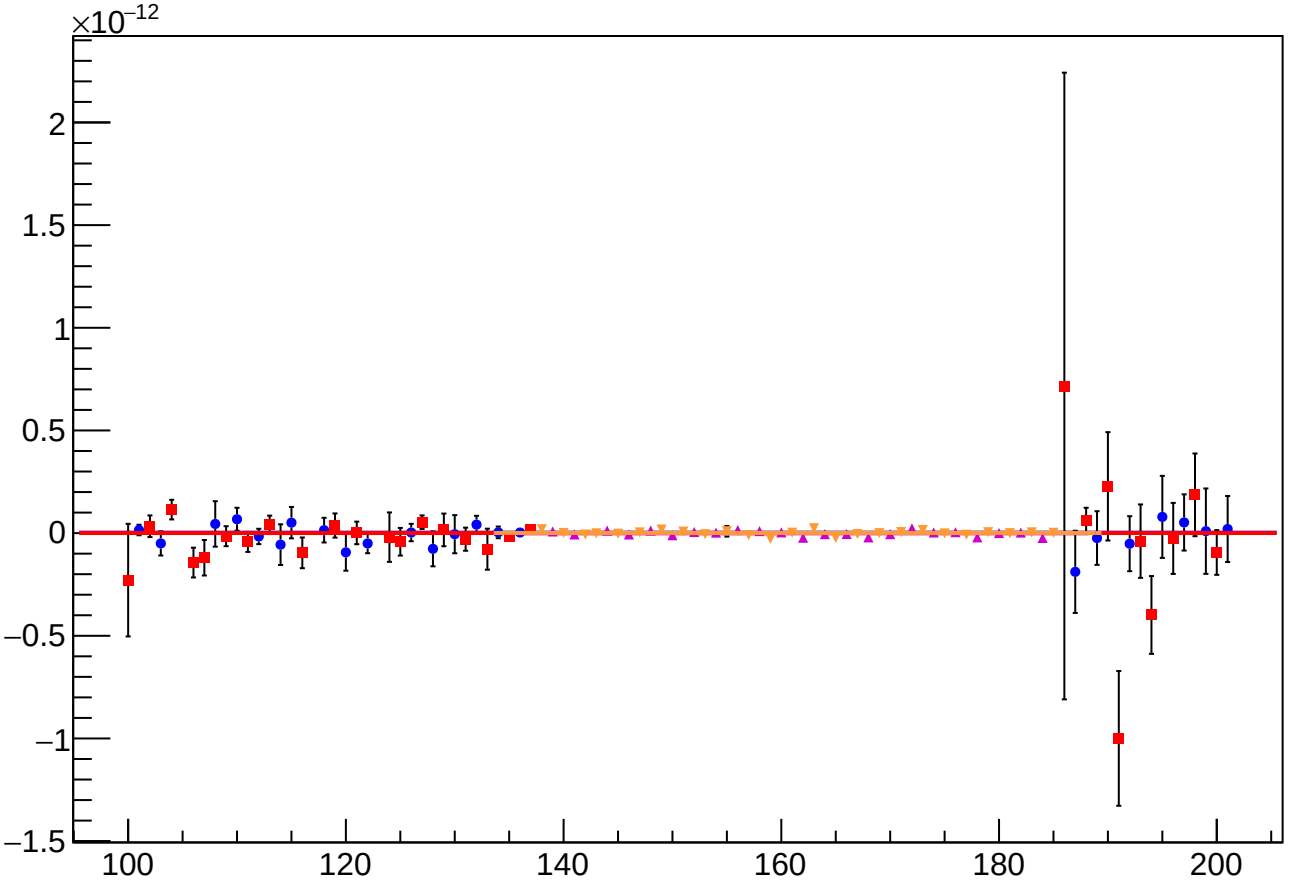
Right Out: 38.330+/-0.008 χ^2/NDF: 2005220.8/27

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.826+/-0.005 χ^2/NDF: 5076922.2/47

All: 37.339+/-0.004 χ^2/NDF: 10294795.1/98

- sign 36.875+/-0.005 χ^2/NDF: 5200286.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/22

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

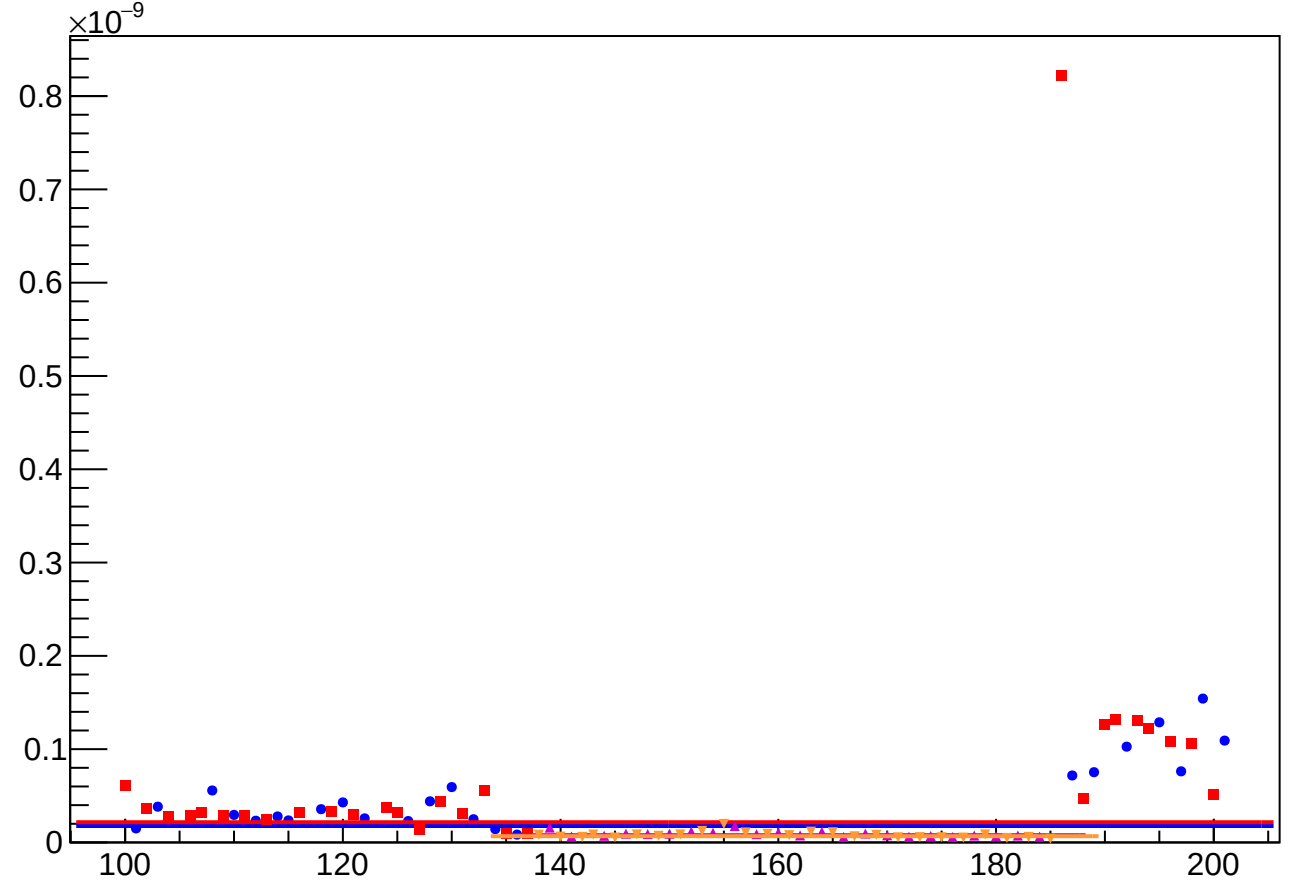
Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/27

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: 98.8/98

- sign -0.000+/-0.000 χ^2/NDF: 68.0/50



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: 6268098.8/27

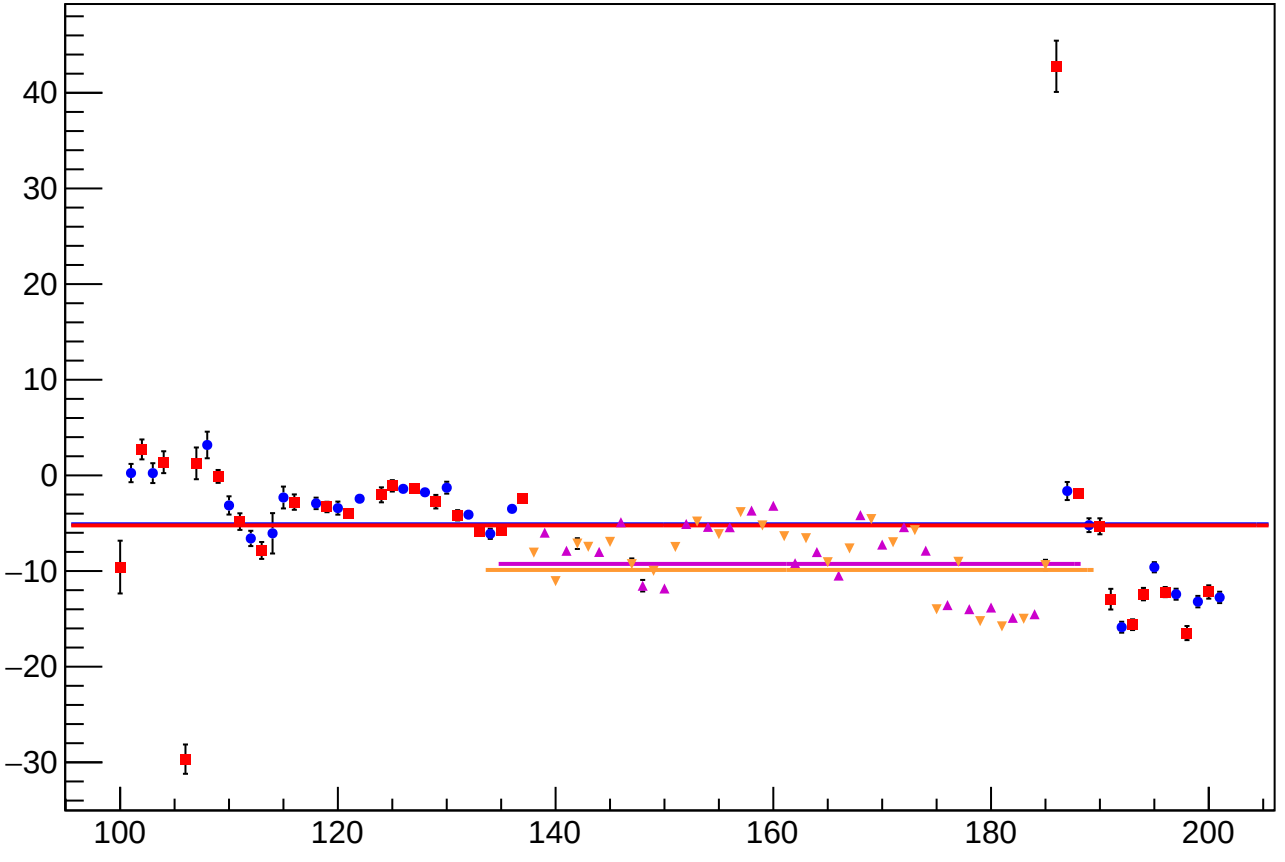
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11977139.2/47

All: 0.000+/-0.000 χ^2/NDF: 23861969.8/98

- sign 0.000+/-0.000 χ^2/NDF: 11557791.1/50

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: -5.227+/-0.115 χ^2/NDF: 2102.2/27

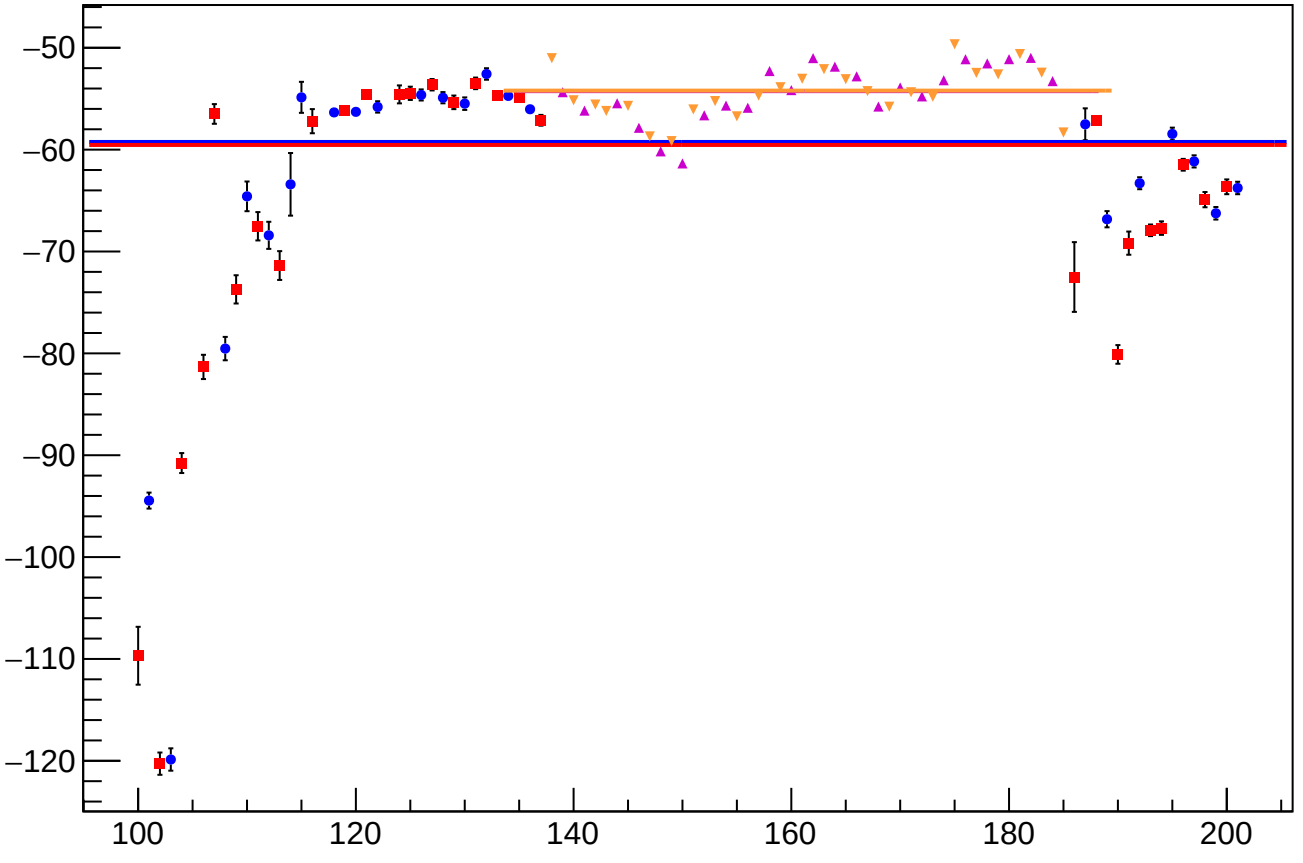
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.642+/-0.060 χ^2/NDF: 5744.4/47

All: -8.388+/-0.043 χ^2/NDF: 11836.7/98

- sign -8.126+/-0.061 χ^2/NDF: 6055.7/50

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: -59.538+/-0.119 χ^2/NDF: 7029.4/27

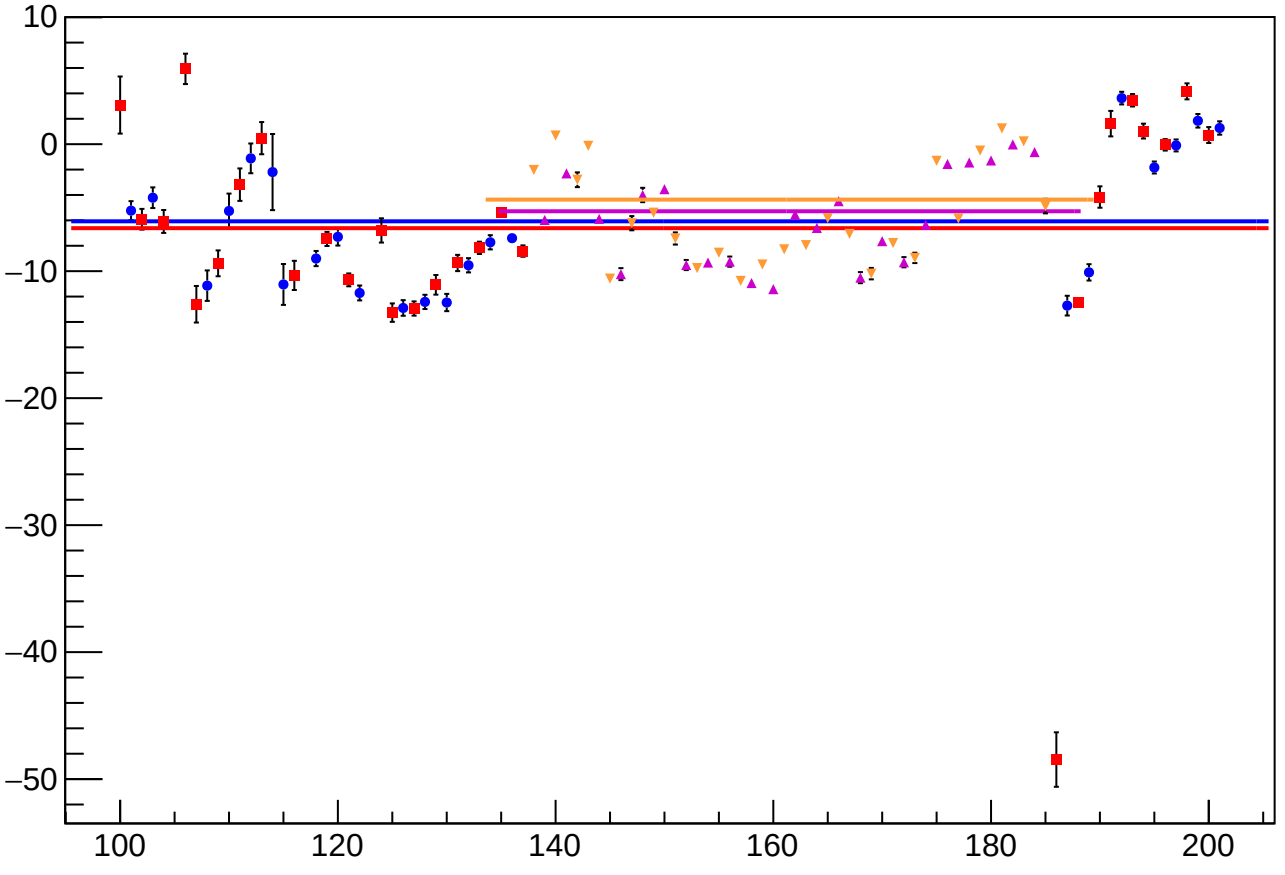
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

\+ sign -55.109+/-0.051 χ^2/NDF: 9838.4/47

All: -55.191+/-0.036 χ^2/NDF: 20950.4/98

\- sign -55.279+/-0.052 χ^2/NDF: 11106.5/50

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: -6.614+/-0.114 χ^2/NDF: 2764.7/27

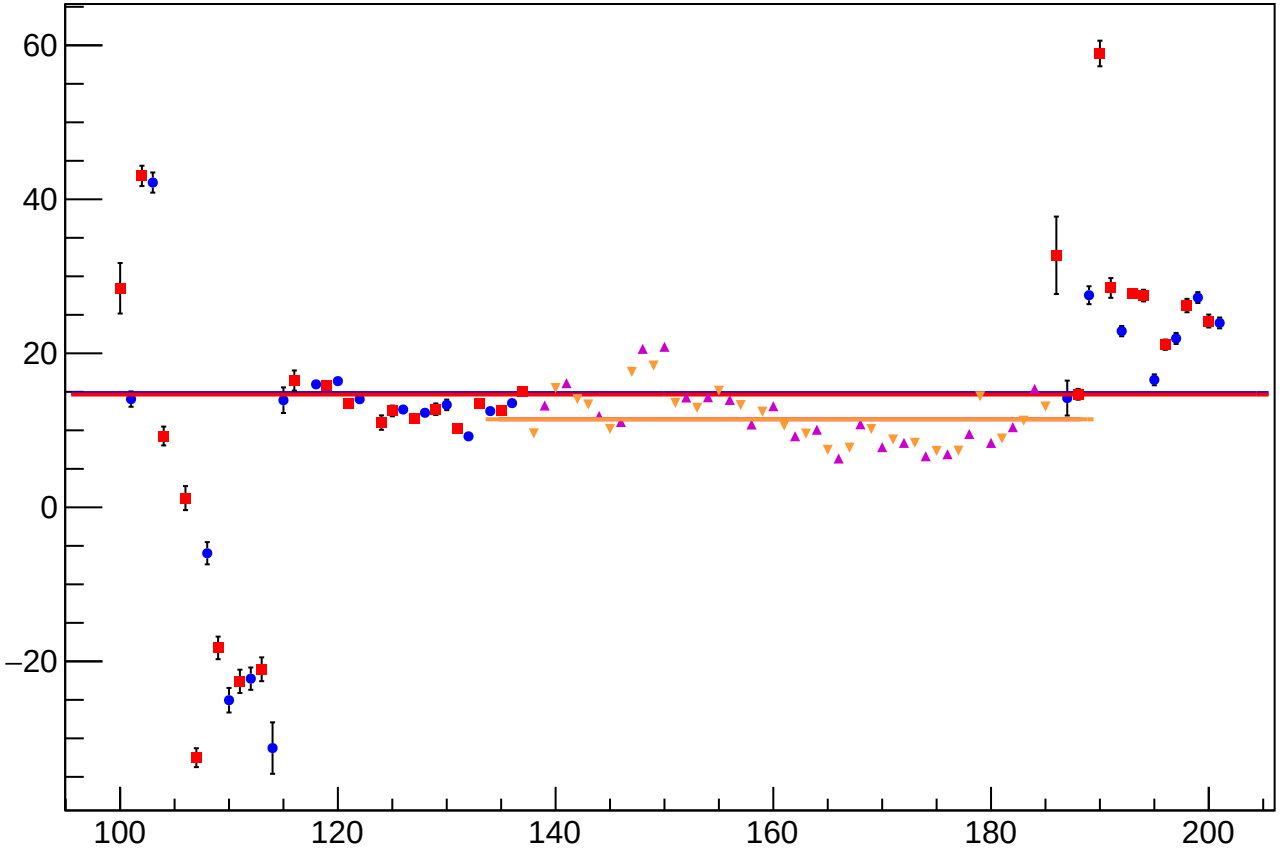
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.804+/-0.060 χ^2/NDF: 5598.4/47

All: -5.226+/-0.042 χ^2/NDF: 11312.1/98

- sign -5.655+/-0.060 χ^2/NDF: 5613.1/50

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: 14.651+/-0.136 χ^2/NDF: 5804.4/27

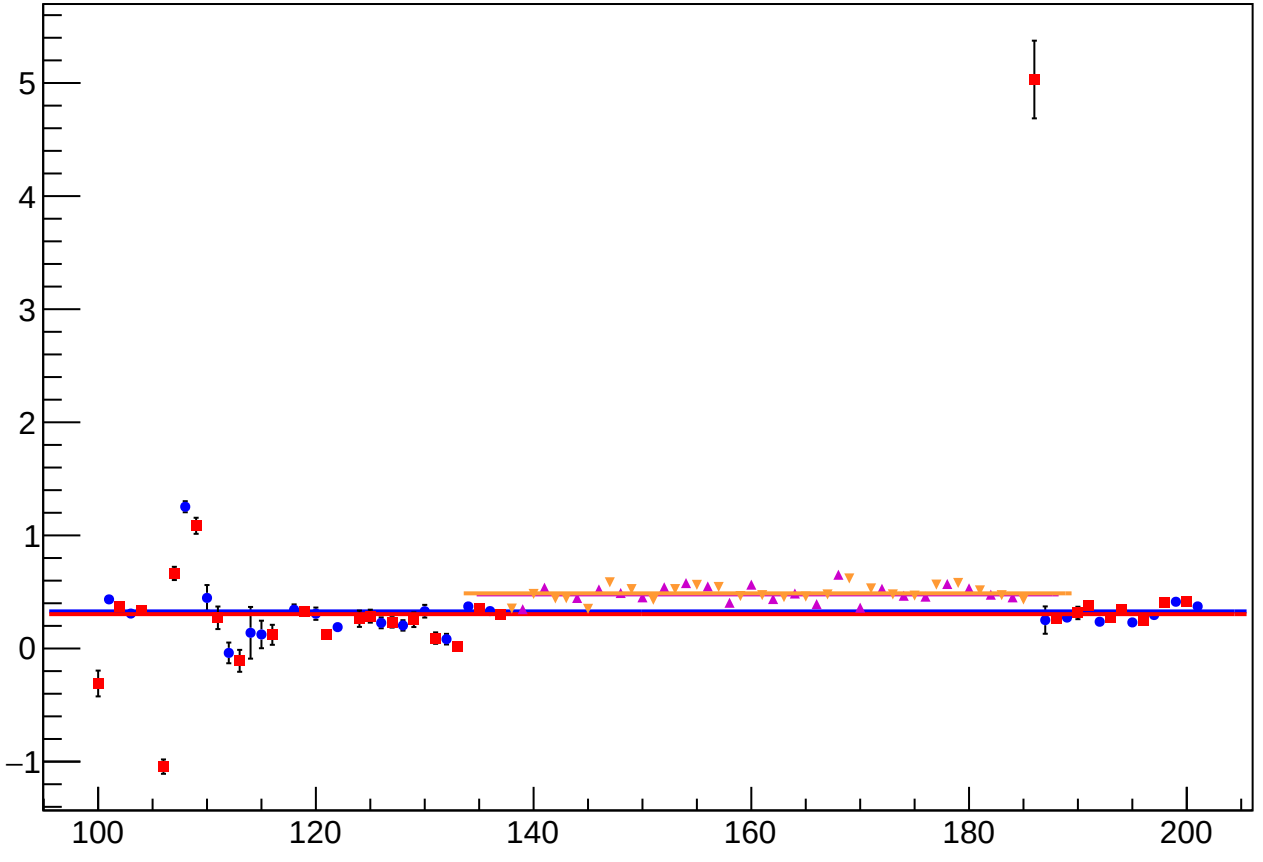
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 12.035+/-0.056 χ^2/NDF: 6110.3/47

All: 12.029+/-0.040 χ^2/NDF: 15726.7/98

\- sign 12.024+/-0.058 χ^2/NDF: 9616.4/50

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: 0.304+/-0.006 χ^2/NDF: 1031.1/27

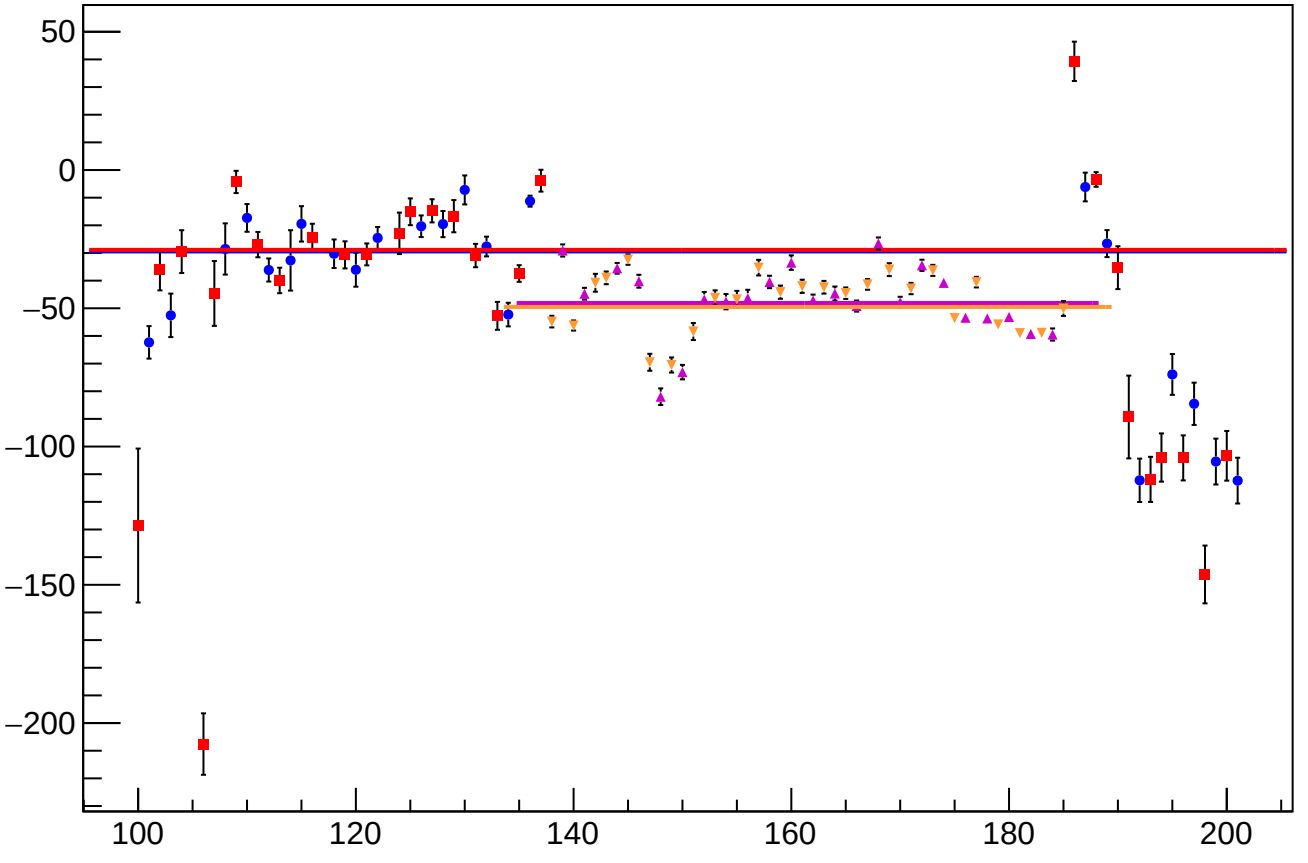
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

\+ sign 0.460+/-0.002 χ^2/NDF: 1636.7/47

All: 0.455+/-0.002 χ^2/NDF: 4143.2/98

\- sign 0.449+/-0.003 χ^2/NDF: 2497.2/50

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: -28.877+/-0.989 χ^2/NDF: 1074.3/27

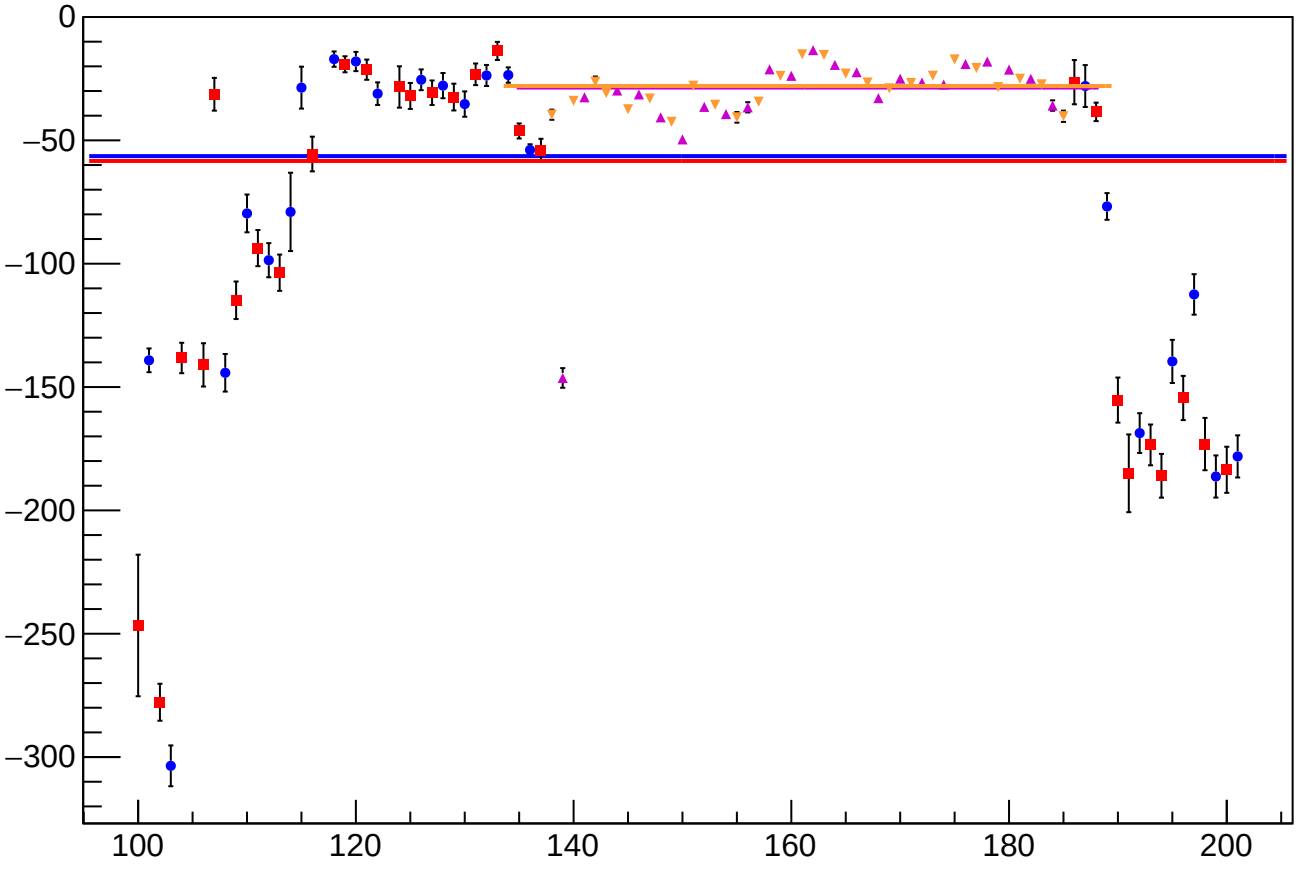
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.702+/-0.373 χ^2/NDF: 1523.6/47

All: -45.960+/-0.268 χ^2/NDF: 3632.3/98

- sign -45.169+/-0.385 χ^2/NDF: 2100.5/50

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: -58.350+/-1.069 χ^2/NDF: 2869.4/27

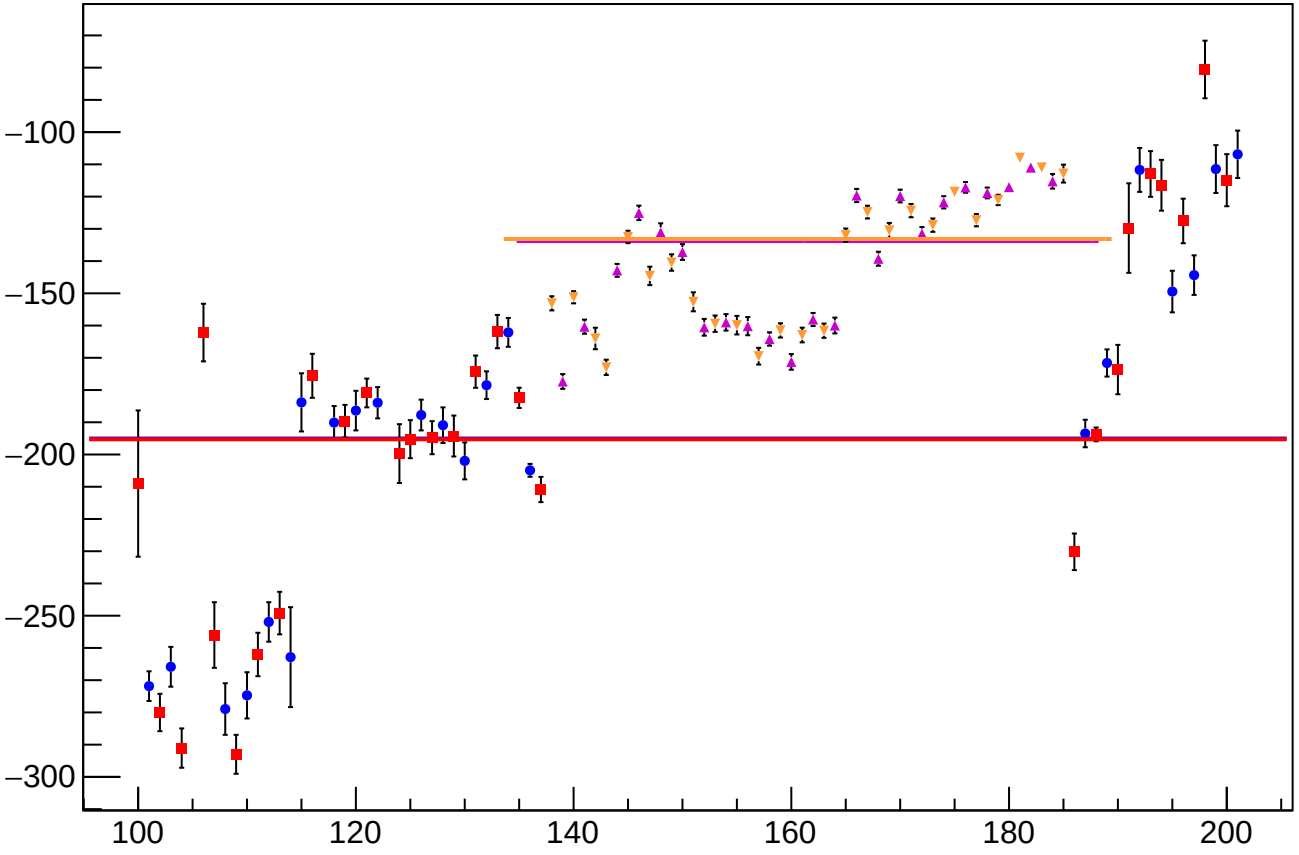
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -30.478+/-0.307 χ^2/NDF: 3923.4/47

All: -30.841+/-0.221 χ^2/NDF: 8982.4/98

- sign -31.233+/-0.318 χ^2/NDF: 5056.1/50

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: -195.280+/-1.016 χ^2/NDF: 1712.4/27

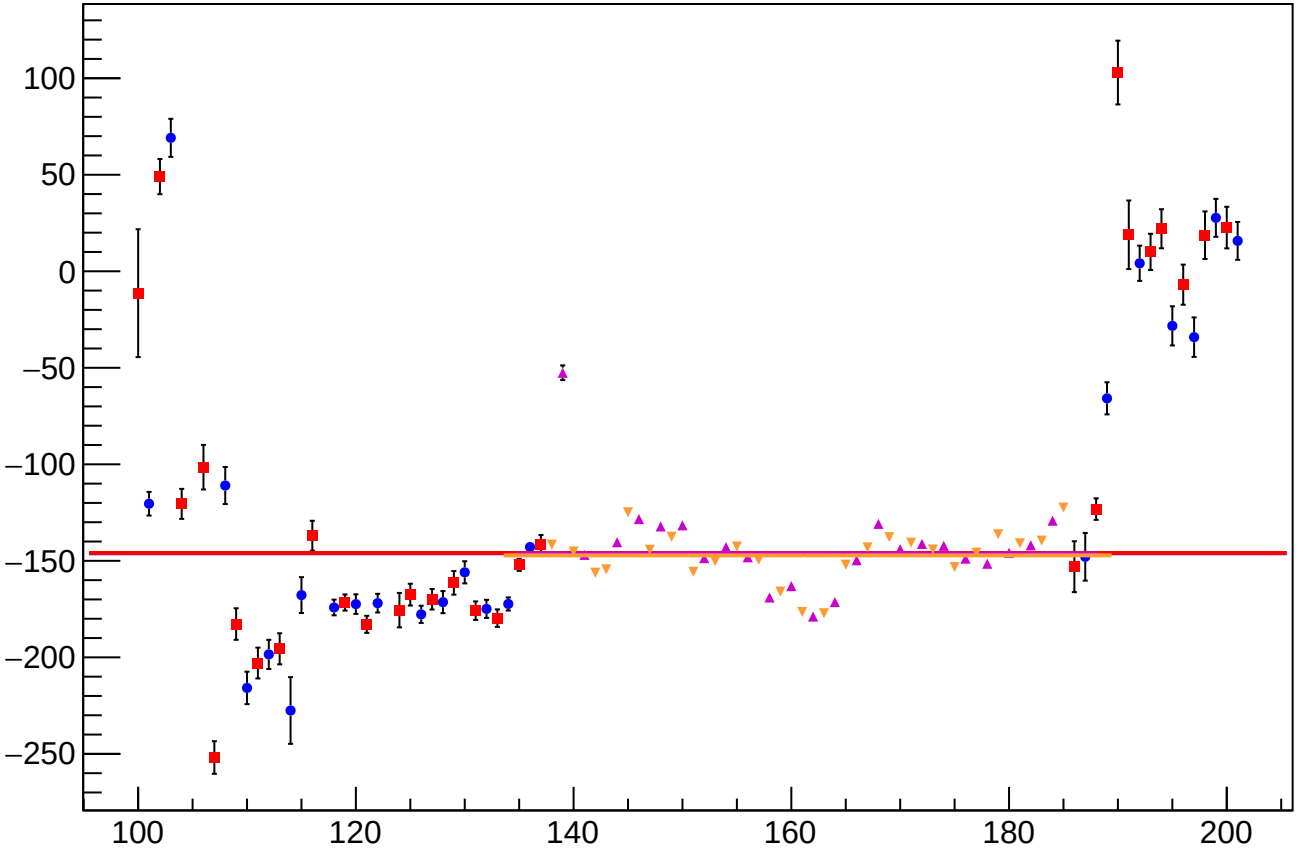
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.352+/-0.375 χ^2/NDF: 7081.8/47

All: -141.982+/-0.269 χ^2/NDF: 14378.7/98

- sign -142.649+/-0.386 χ^2/NDF: 7291.2/50

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: -145.944+/-1.230 χ^2/NDF: 2511.6/27

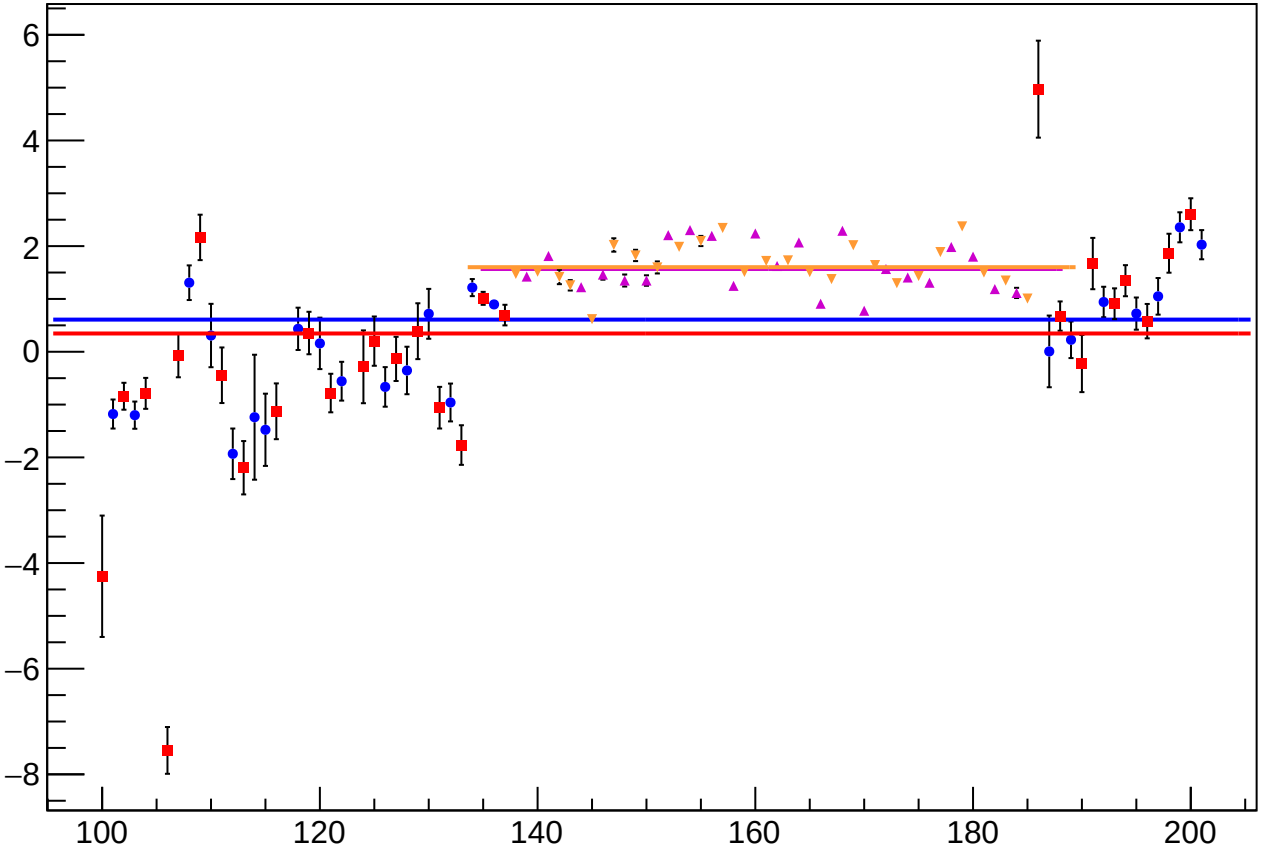
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -147.071+/-0.342 χ^2/NDF: 3377.7/47

All: -146.629+/-0.246 χ^2/NDF: 7686.5/98

- sign -146.154+/-0.355 χ^2/NDF: 4305.4/50

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: 0.346+/-0.062 χ^2/NDF: 637.7/27

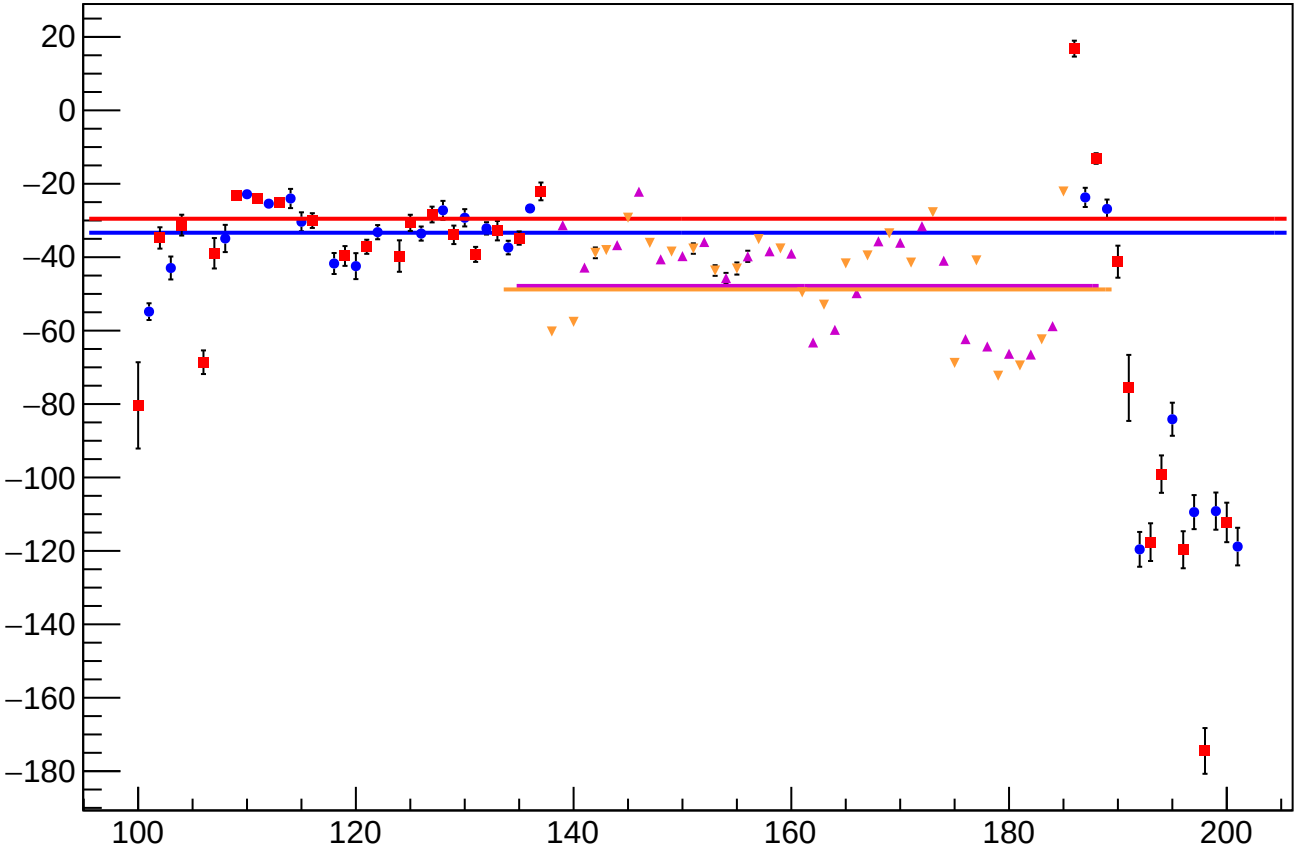
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.529+/-0.015 χ^2/NDF: 1135.7/47

All: 1.508+/-0.011 χ^2/NDF: 2880.2/98

- sign 1.486+/-0.016 χ^2/NDF: 1740.8/50

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: -29.522+/-0.413 χ^2/NDF: 2527.2/27

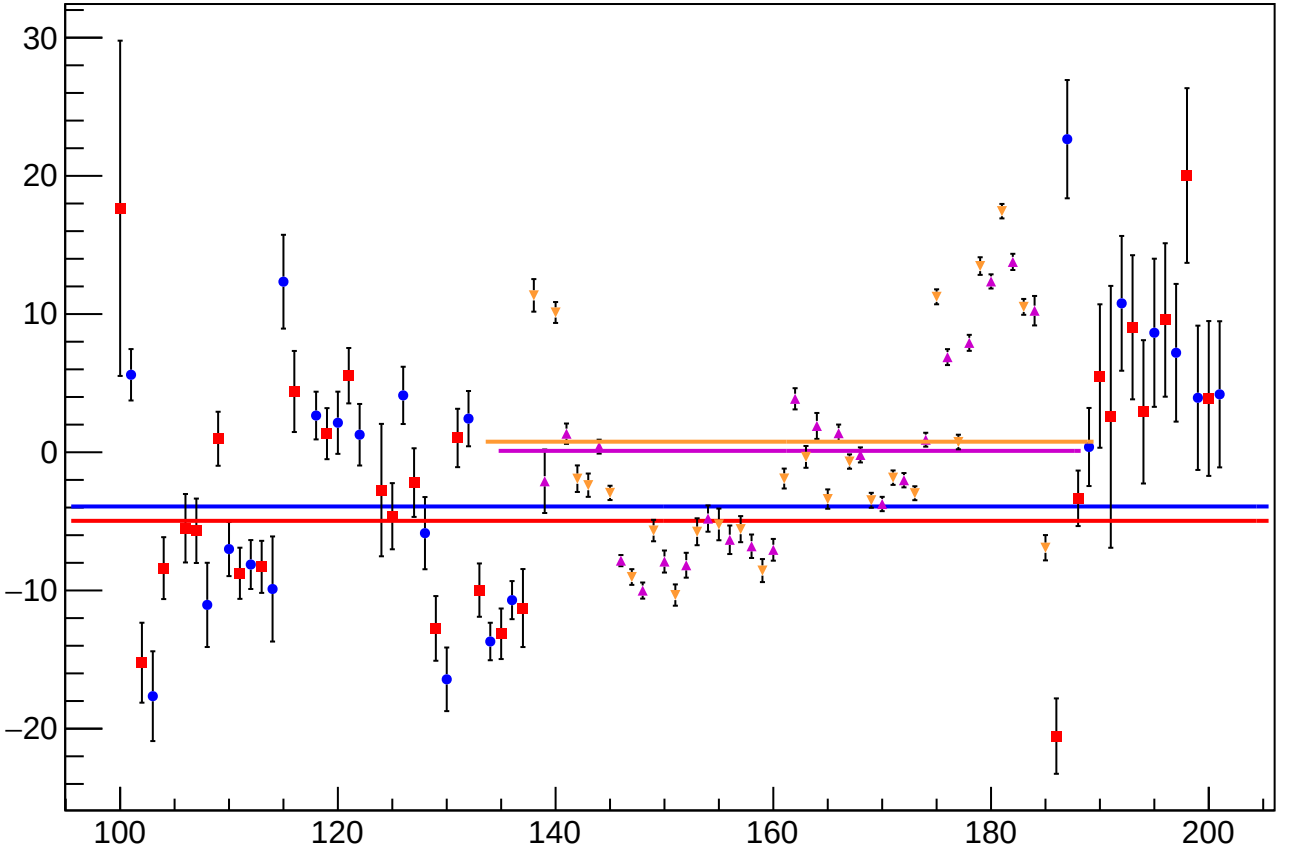
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.869+/-0.156 χ^2/NDF: 11561.1/47

All: -46.025+/-0.111 χ^2/NDF: 23049.7/98

- sign -45.171+/-0.157 χ^2/NDF: 11429.8/50

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: -4.962+/-0.486 χ^2/NDF: 209.2/27

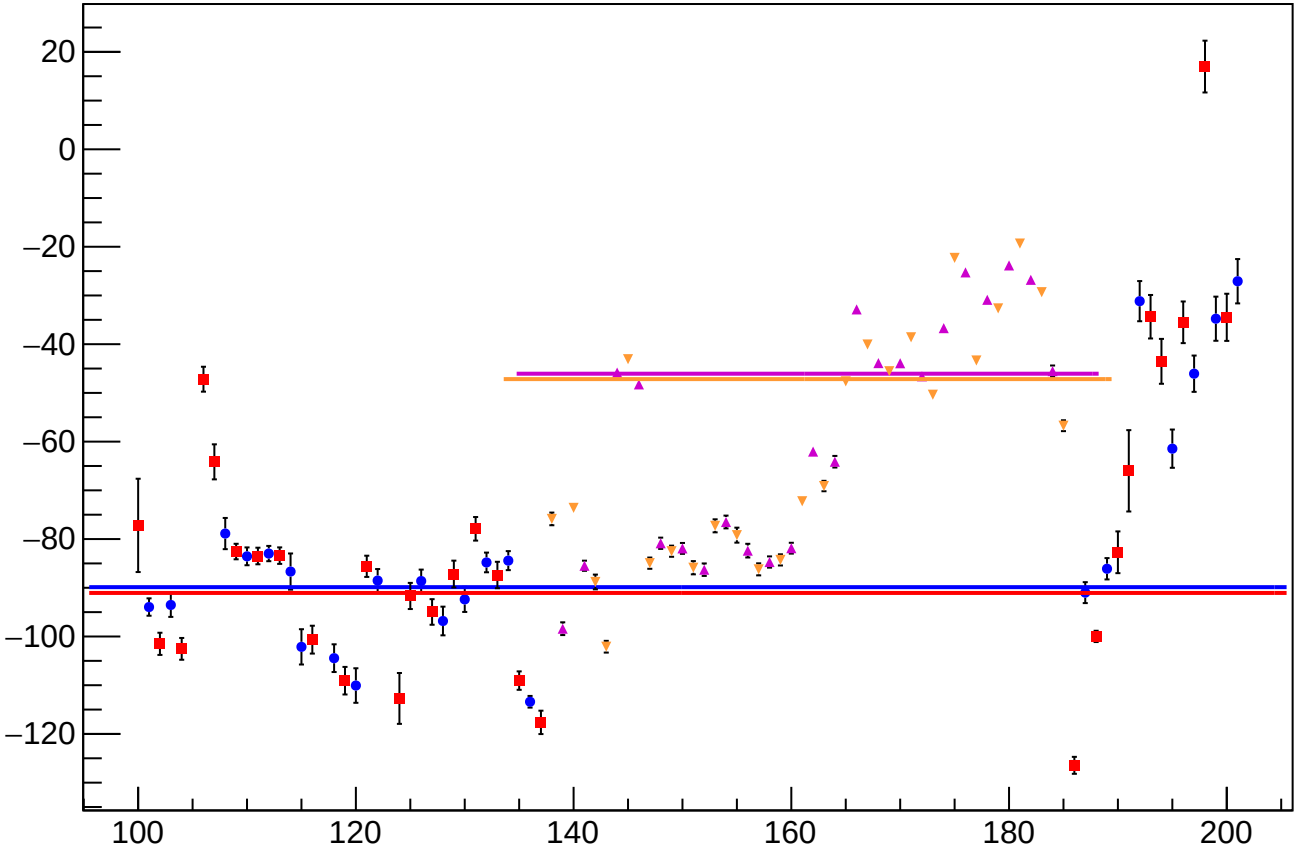
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.443+/-0.128 χ^2/NDF: 3860.3/47

All: 0.097+/-0.090 χ^2/NDF: 6907.2/98

- sign -0.251+/-0.128 χ^2/NDF: 3032.2/50

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: -91.060+/-0.458 χ^2/NDF: 2264.2/27

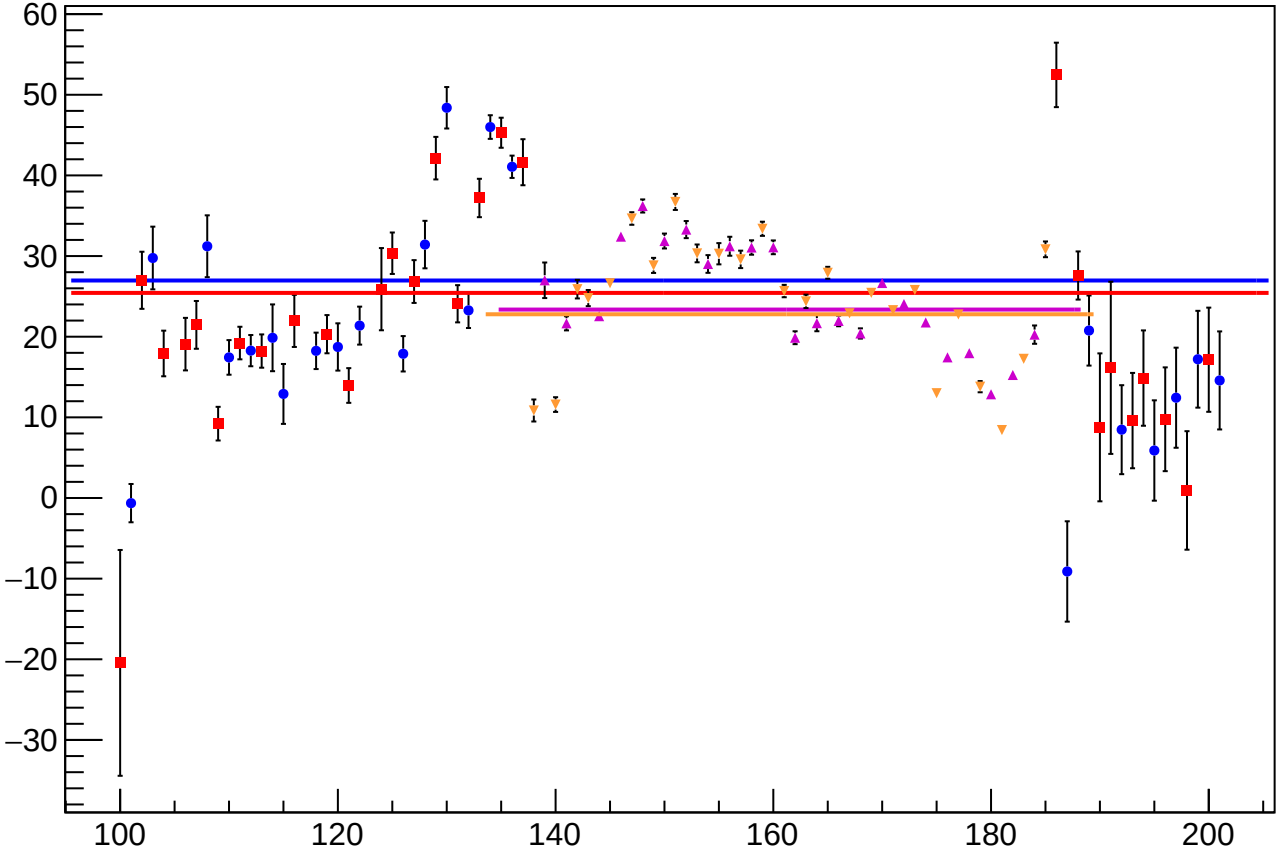
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.657+/-0.158 χ^2/NDF: 25752.9/47

All: -51.587+/-0.112 χ^2/NDF: 51269.6/98

- sign -51.516+/-0.160 χ^2/NDF: 25516.3/50

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: 25.431+/-0.560 χ^2/NDF: 434.0/27

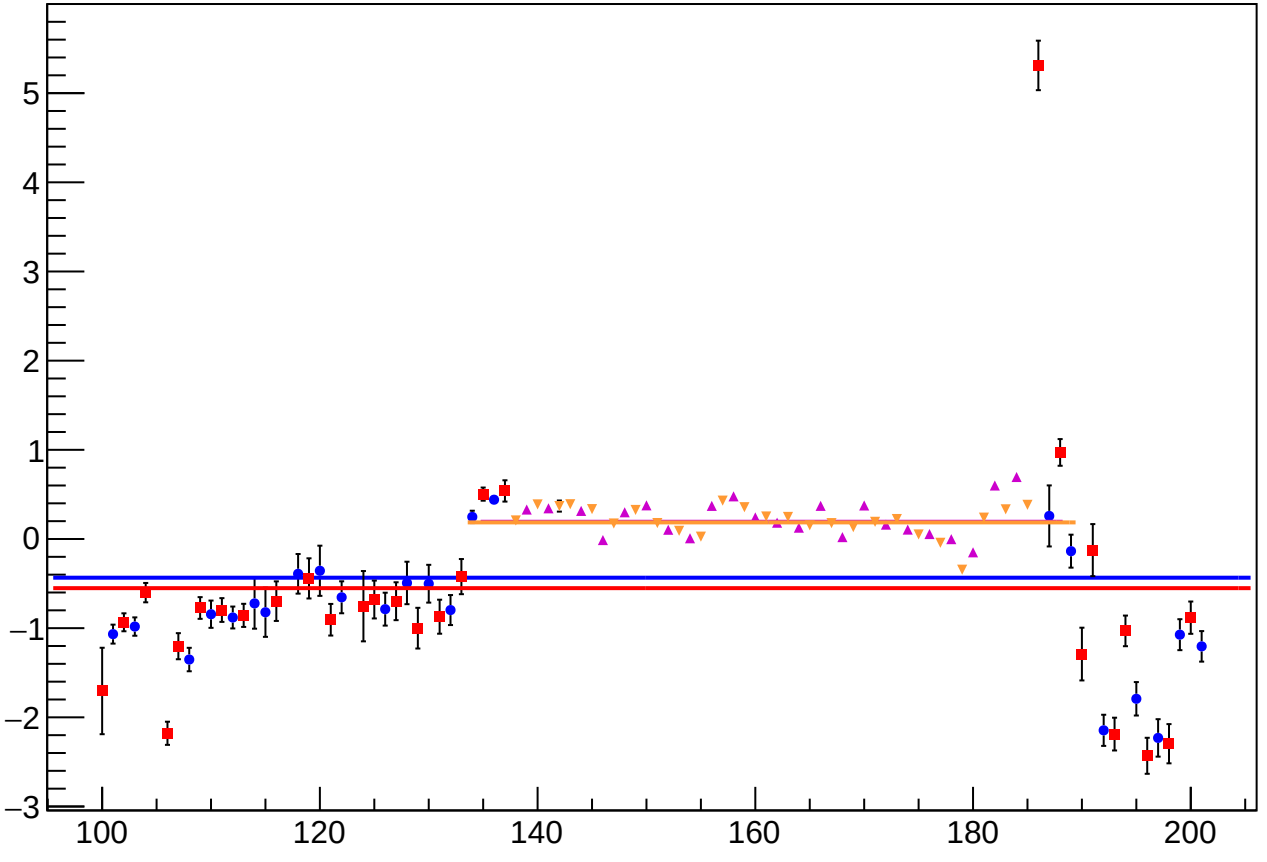
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.062+/-0.142 χ^2/NDF: 3124.6/47

All: 23.280+/-0.101 χ^2/NDF: 5361.4/98

- sign 23.502+/-0.144 χ^2/NDF: 2232.1/50

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: -0.551+/-0.030 χ^2/NDF: 1308.4/27

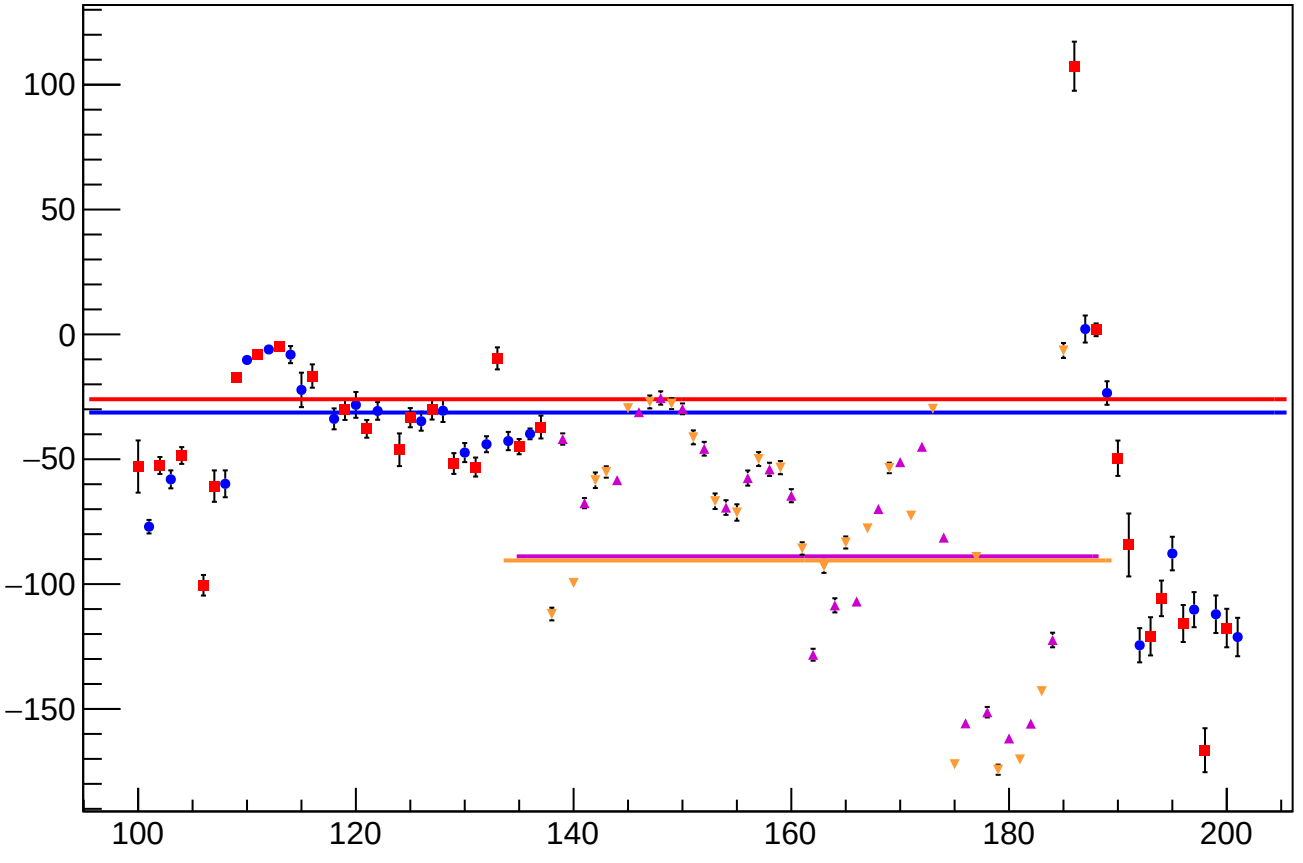
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

\+ sign 0.154+/-0.006 χ^2/NDF: 1847.8/47

All: 0.156+/-0.005 χ^2/NDF: 4699.2/98

\- sign 0.157+/-0.007 χ^2/NDF: 2851.3/50

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: -25.967+/-0.626 χ^2/NDF: 2152.5/27

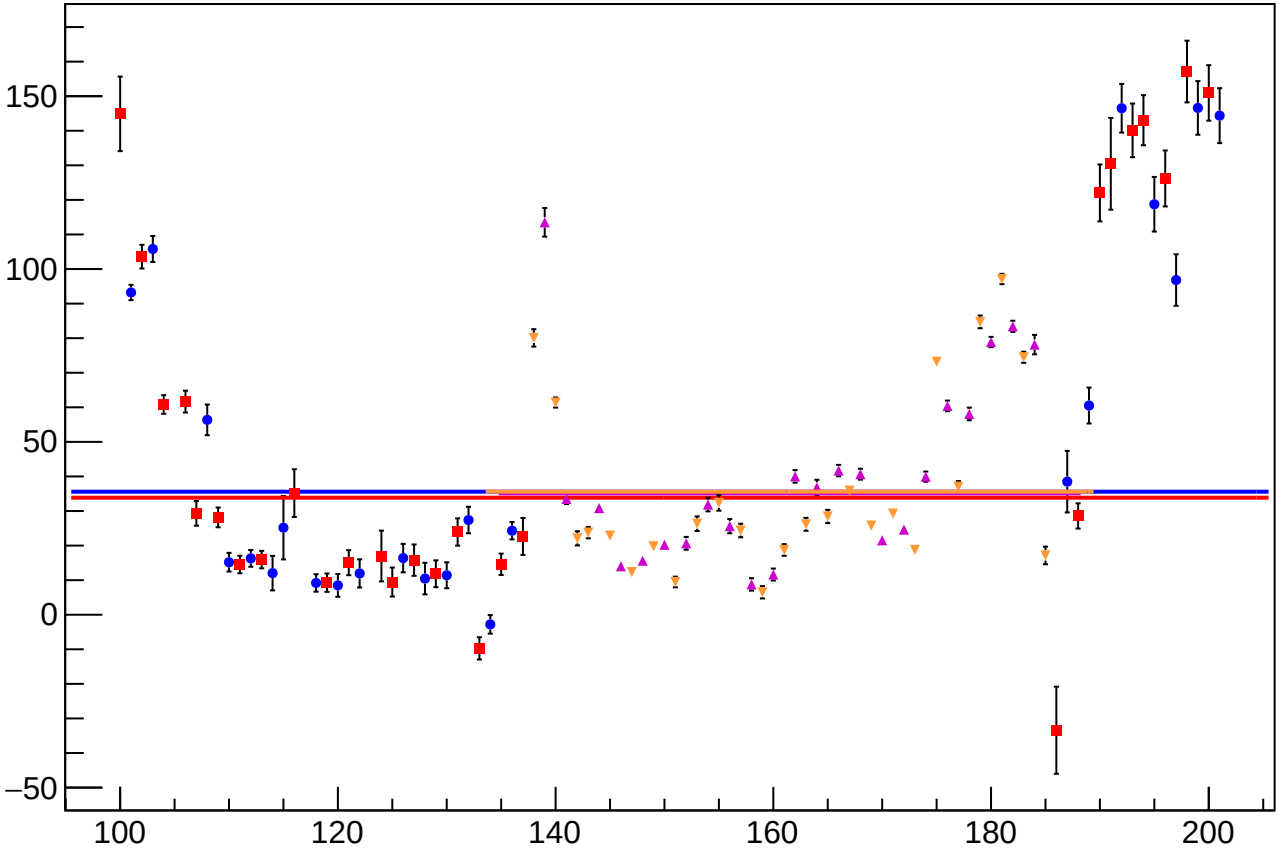
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.638+/-0.360 χ^2/NDF: 22254.4/47

All: -71.507+/-0.254 χ^2/NDF: 43188.5/98

- sign -68.436+/-0.357 χ^2/NDF: 20784.6/50

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: 33.861+/-0.755 χ^2/NDF: 2390.3/27

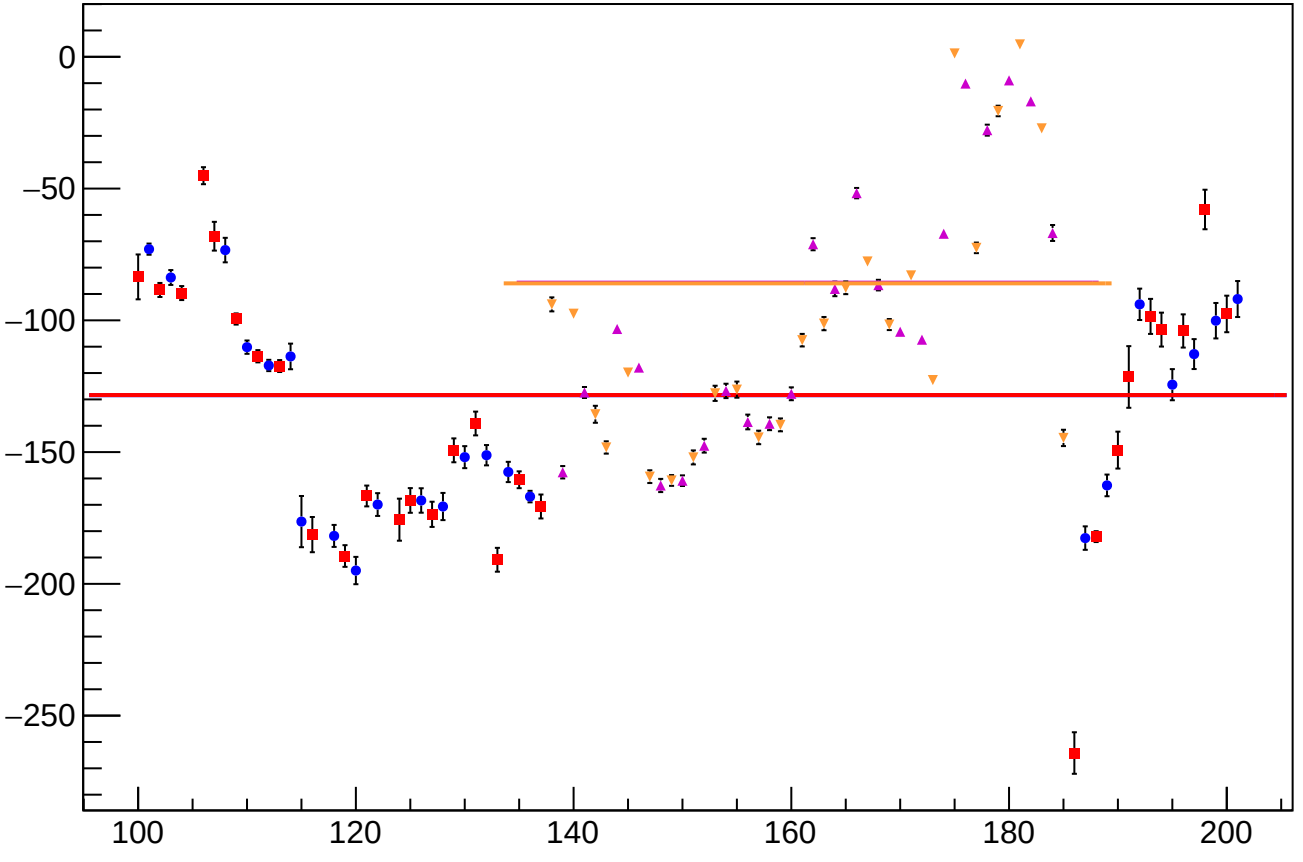
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

\+ sign 35.609+/-0.300 χ^2/NDF: 8536.0/47

All: 35.265+/-0.215 χ^2/NDF: 15075.8/98

\- sign 34.905+/-0.307 χ^2/NDF: 6537.1/50

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: -128.349+/-0.714 χ^2/NDF: 3622.7/27

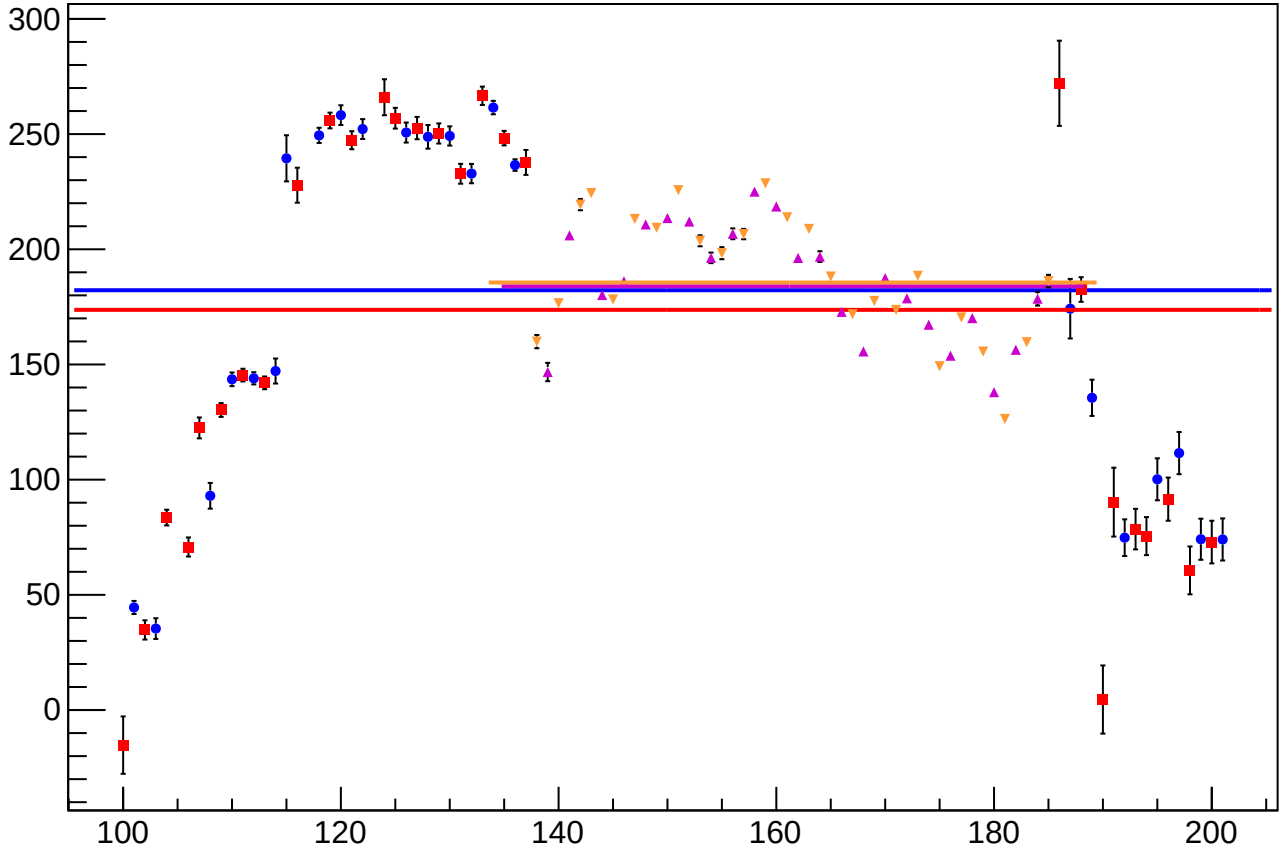
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

\+ sign -95.767+/-0.369 χ^2/NDF: 21066.5/47

All: -96.456+/-0.261 χ^2/NDF: 41063.9/98

\- sign -97.148+/-0.370 χ^2/NDF: 19990.5/50

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: 173.708+/-0.871 χ^2/NDF: 7467.9/27

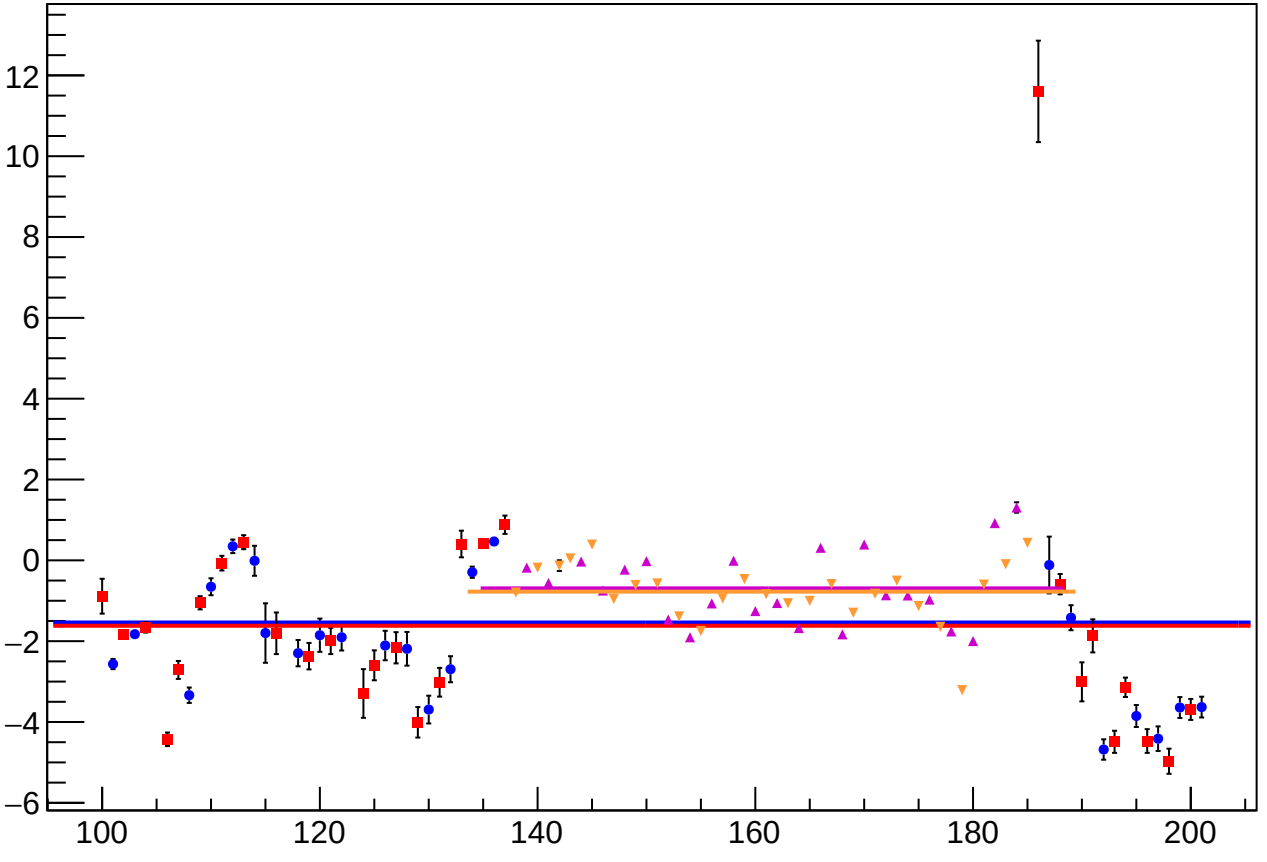
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.092+/-0.339 χ^2/NDF: 13172.2/47

All: 183.736+/-0.242 χ^2/NDF: 24662.5/98

- sign 182.319+/-0.346 χ^2/NDF: 11457.7/50

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: -1.619+/-0.043 χ^2/NDF: 1607.2/27

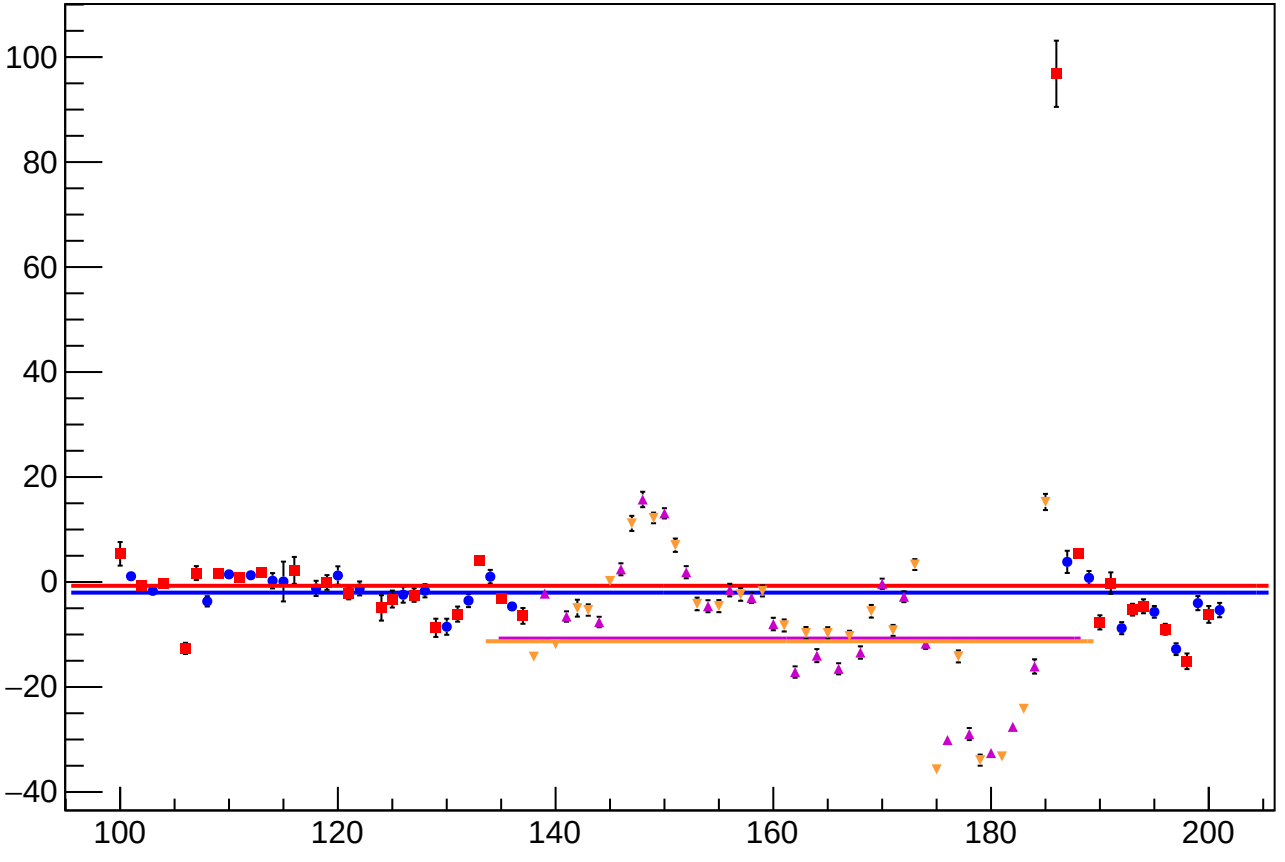
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.868+/-0.015 χ^2/NDF: 3396.5/47

All: -0.842+/-0.011 χ^2/NDF: 7974.8/98

- sign -0.815+/-0.016 χ^2/NDF: 4572.7/50

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: -0.719+/-0.194 χ^2/NDF: 845.0/27

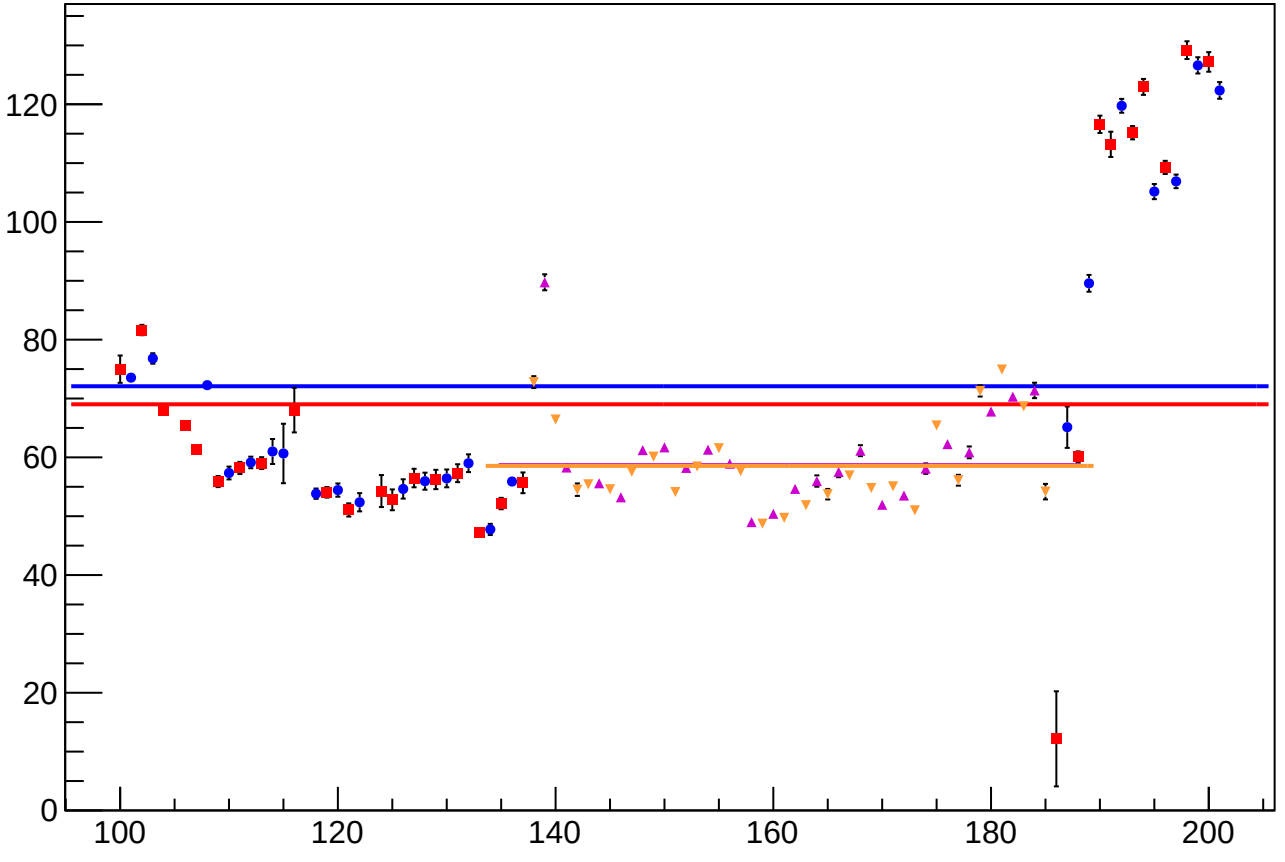
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -7.005+/-0.153 χ^2/NDF: 5694.8/47

All: -6.086+/-0.105 χ^2/NDF: 11523.4/98

- sign -5.271+/-0.144 χ^2/NDF: 5760.1/50

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: 69.016+/-0.215 χ^2/NDF: 11988.3/27

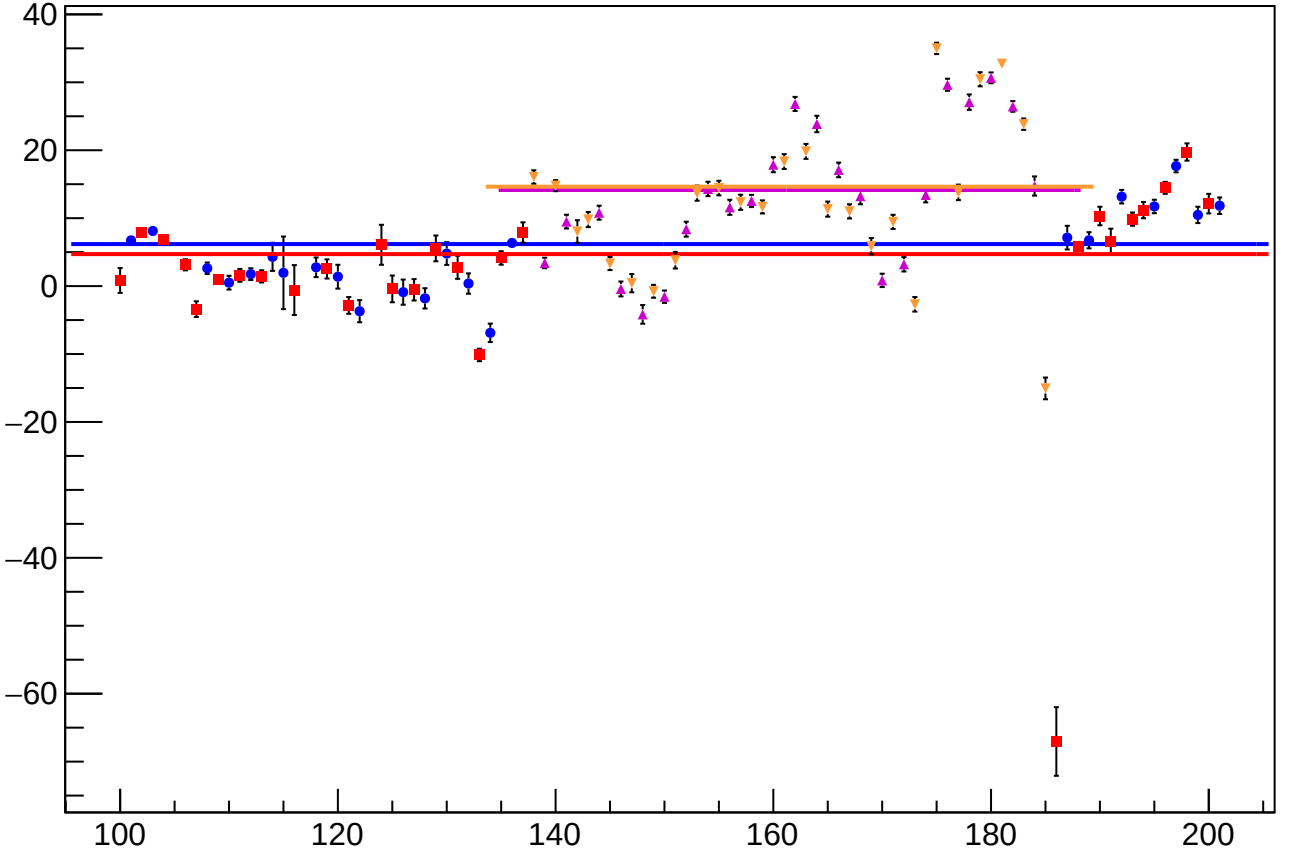
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 62.839+/-0.133 χ^2/NDF: 13022.9/47

All: 62.721+/-0.094 χ^2/NDF: 28057.4/98

- sign 62.603+/-0.133 χ^2/NDF: 15032.9/50

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: 4.709+/-0.198 χ^2/NDF: 1041.0/27

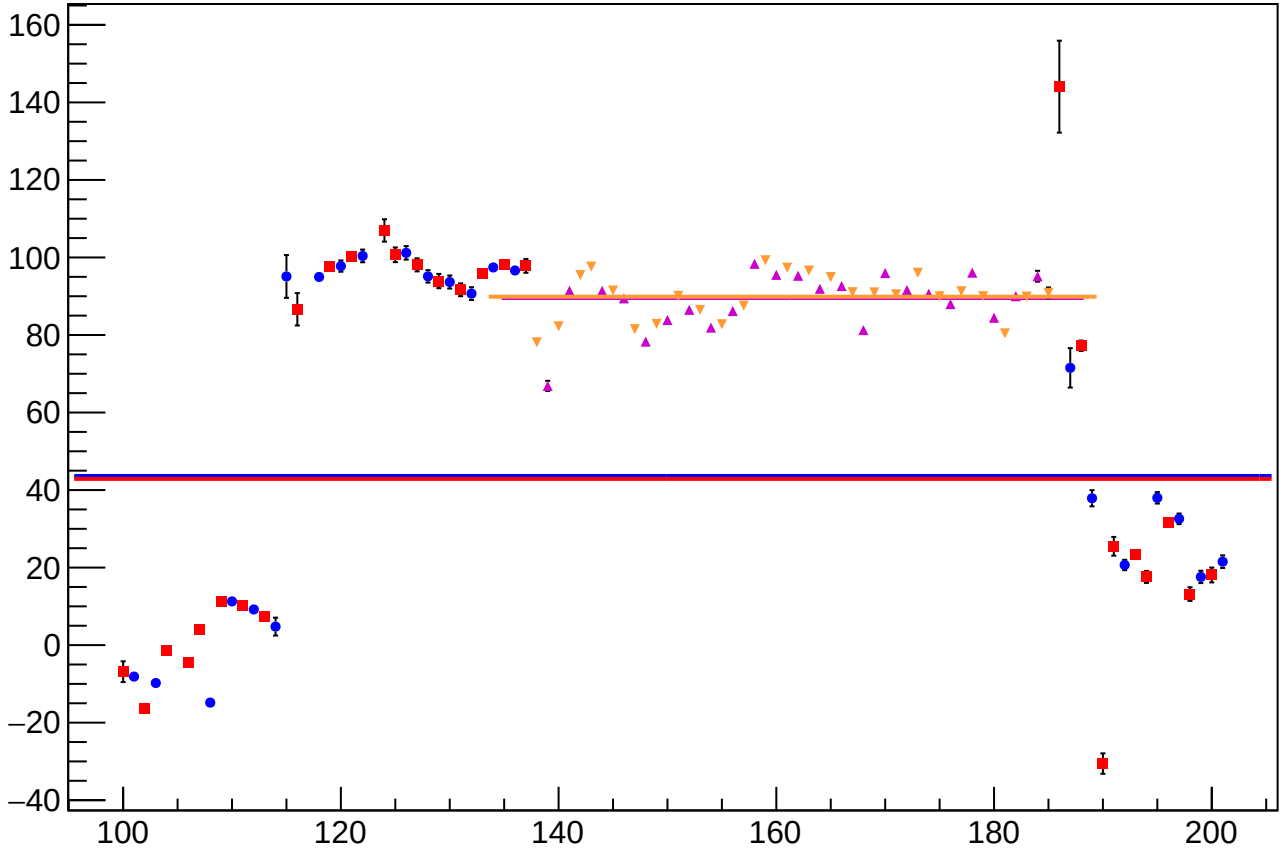
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.763+/-0.152 χ^2/NDF: 4283.9/47

All: 9.904+/-0.105 χ^2/NDF: 8987.5/98

- sign 9.128+/-0.145 χ^2/NDF: 4643.0/50

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: 42.886+/-0.254 χ^2/NDF: 31604.3/27

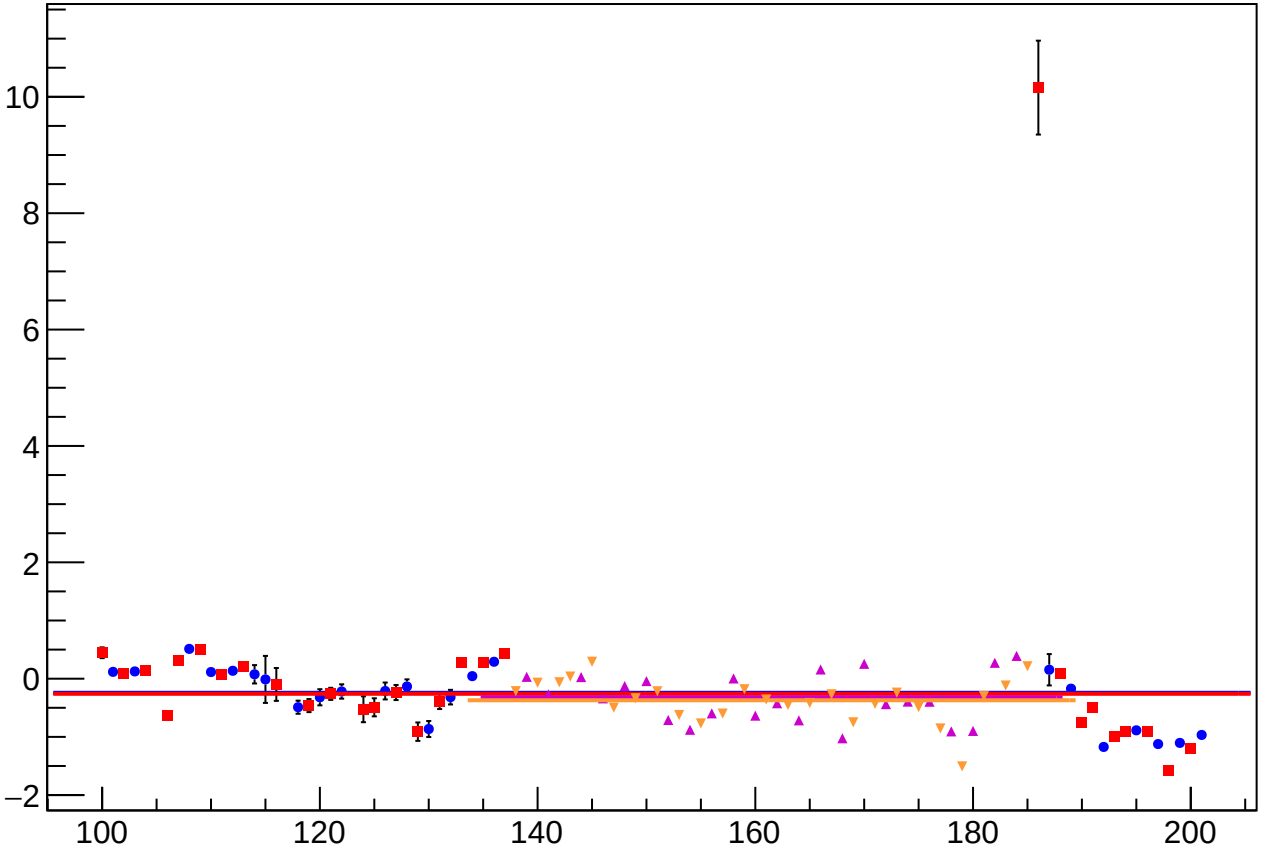
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 75.958+/-0.151 χ^2/NDF: 48615.0/47

All: 74.529+/-0.107 χ^2/NDF: 103291.1/98

- sign 73.109+/-0.151 χ^2/NDF: 54498.6/50

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: -0.259+/-0.011 χ^2/NDF: 3282.8/27

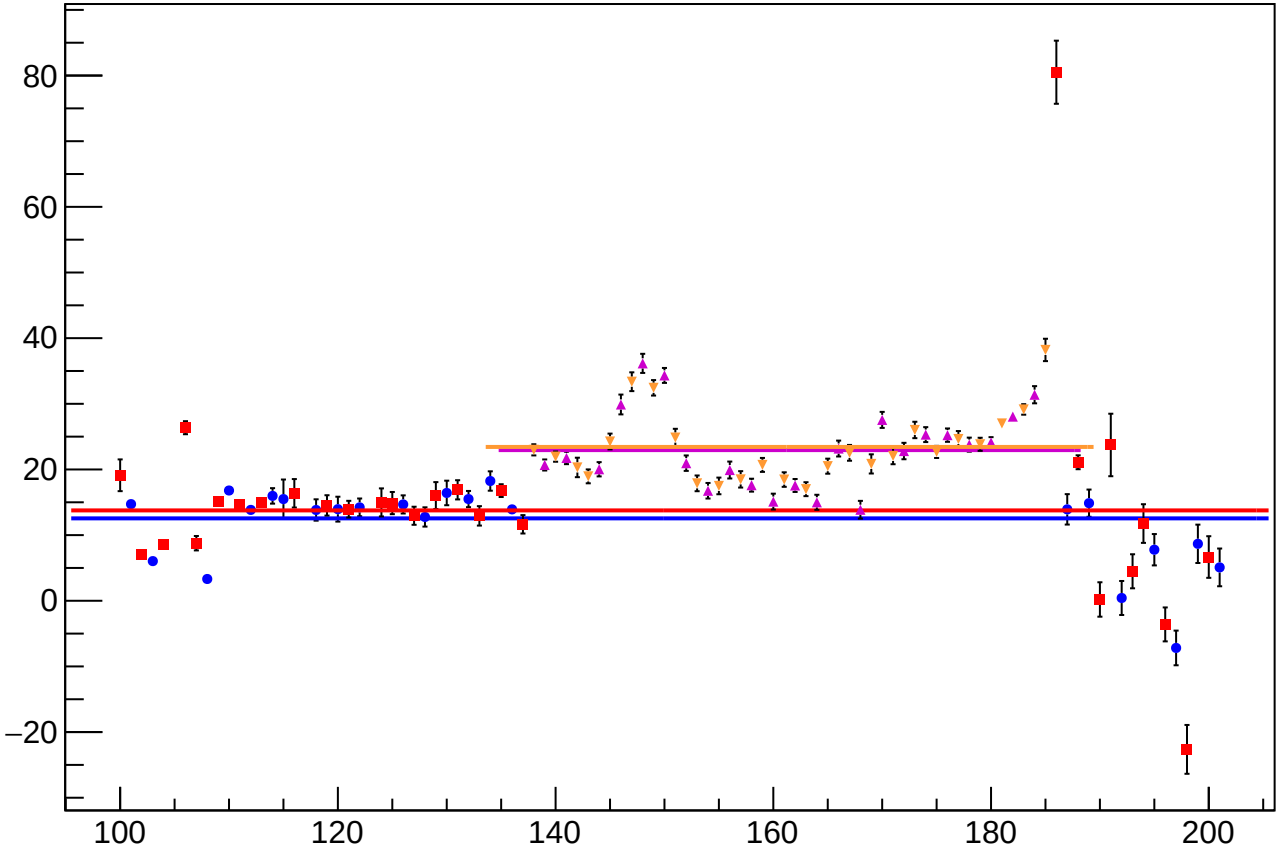
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.328+/-0.007 χ^2/NDF: 4707.8/47

All: -0.313+/-0.005 χ^2/NDF: 10462.3/98

- sign -0.298+/-0.006 χ^2/NDF: 5743.8/50

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: 13.764+/-0.197 χ^2/NDF: 835.1/27

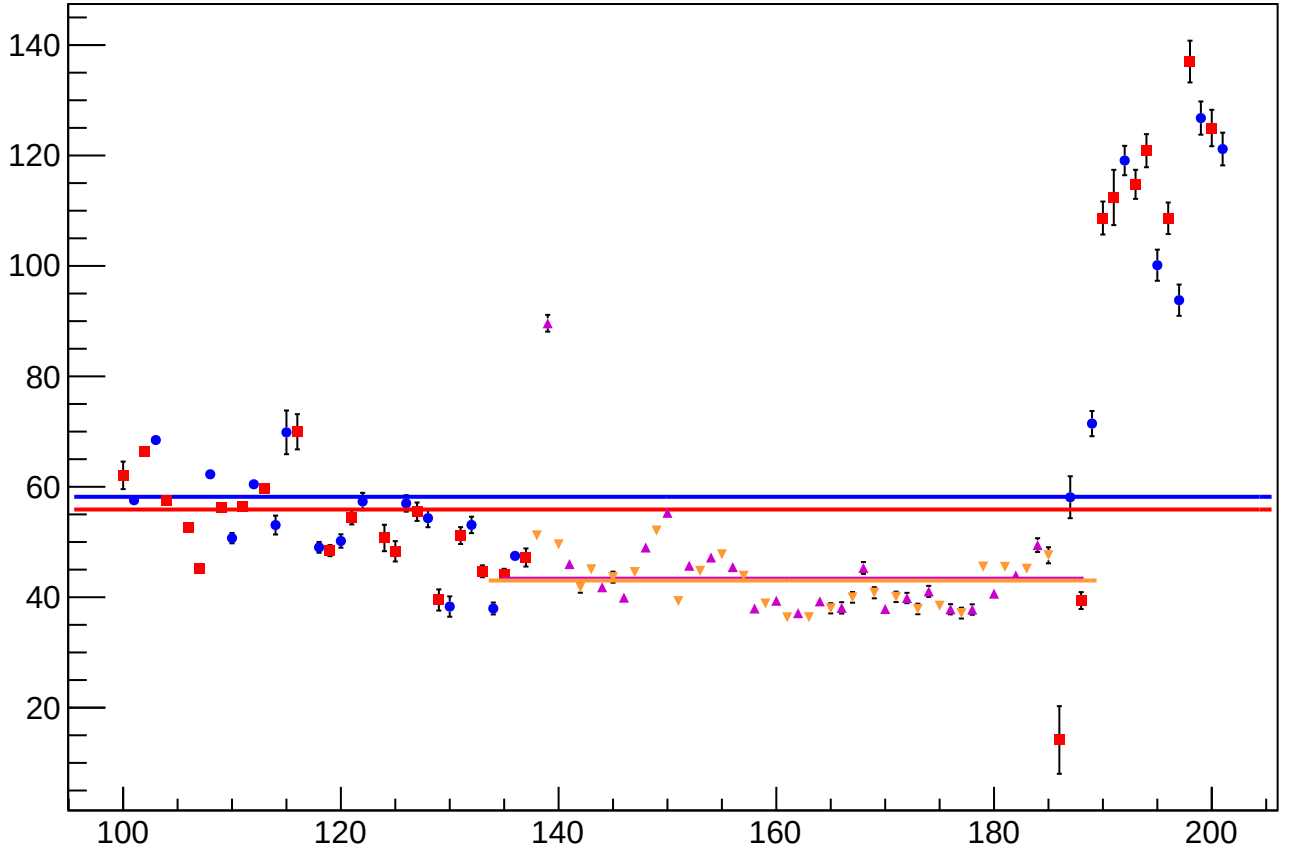
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.808+/-0.150 χ^2/NDF: 2222.5/47

All: 17.778+/-0.106 χ^2/NDF: 4563.5/98

- sign 17.748+/-0.148 χ^2/NDF: 2340.9/50

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: 55.884+/-0.218 χ^2/NDF: 3879.7/27

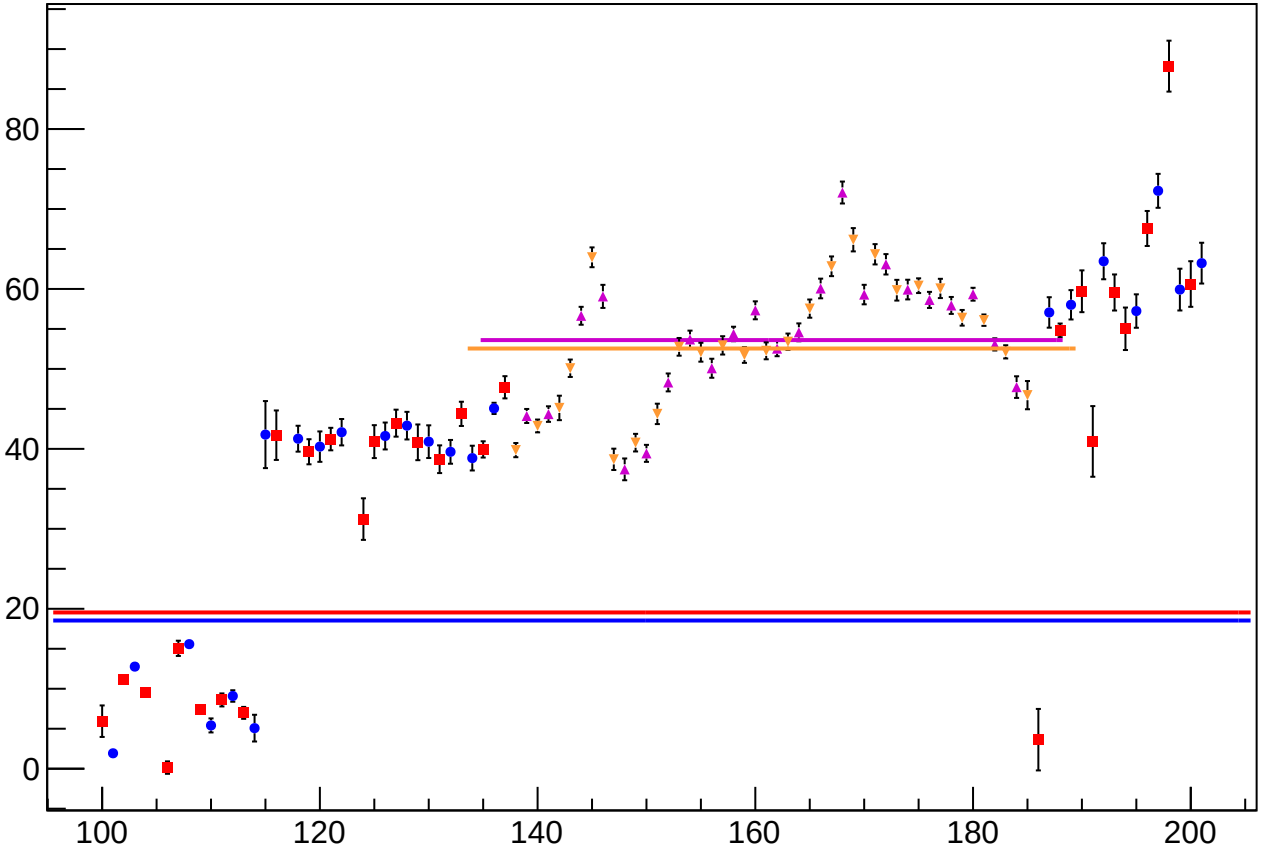
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 48.674+/-0.133 χ^2/NDF: 6895.8/47

All: 48.508+/-0.095 χ^2/NDF: 14446.9/98

- sign 48.330+/-0.138 χ^2/NDF: 7547.8/50

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: 19.542+/-0.207 χ^2/NDF: 7875.8/27

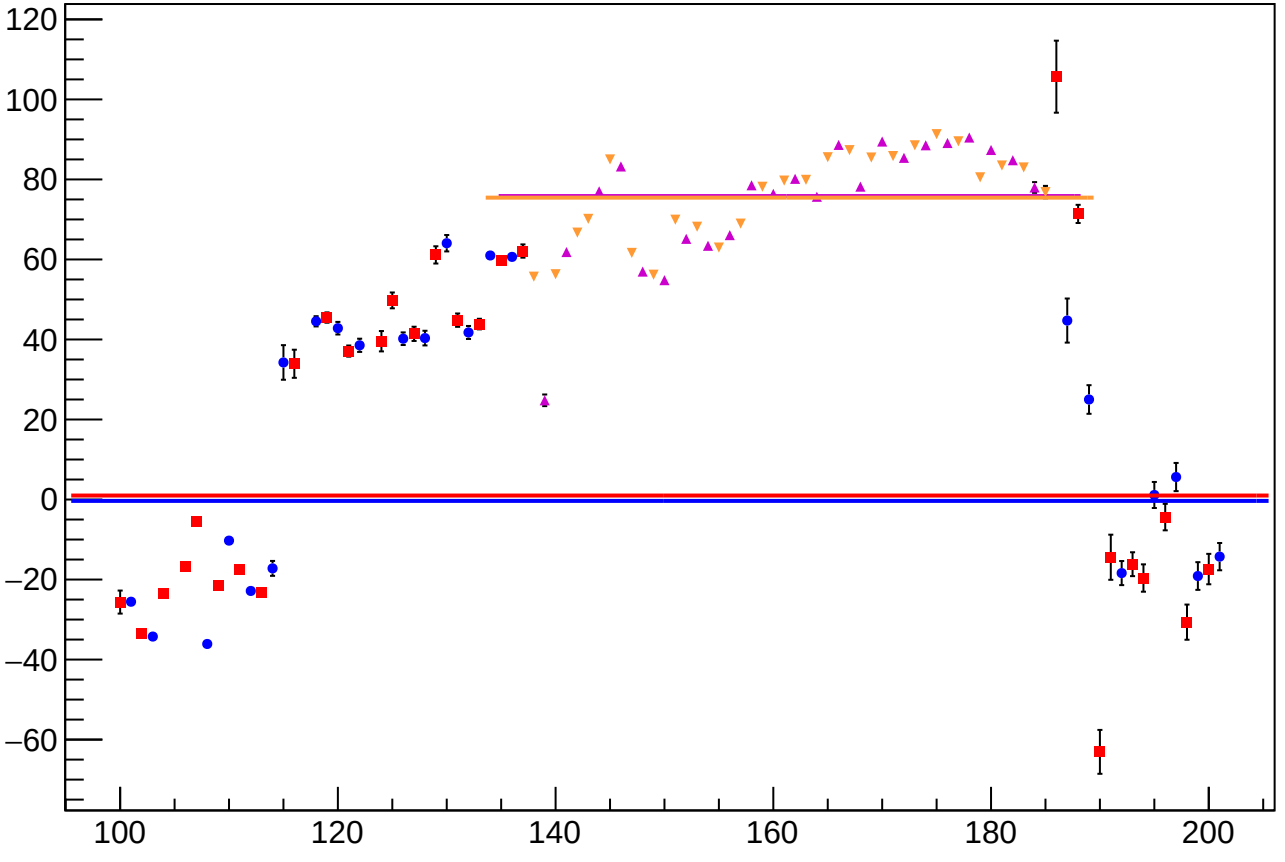
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.923+/-0.149 χ^2/NDF: 22389.2/47

All: 35.135+/-0.106 χ^2/NDF: 43797.1/98

- sign 35.355+/-0.152 χ^2/NDF: 21403.8/50

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: 0.996+/-0.258 χ^2/NDF: 17417.1/27

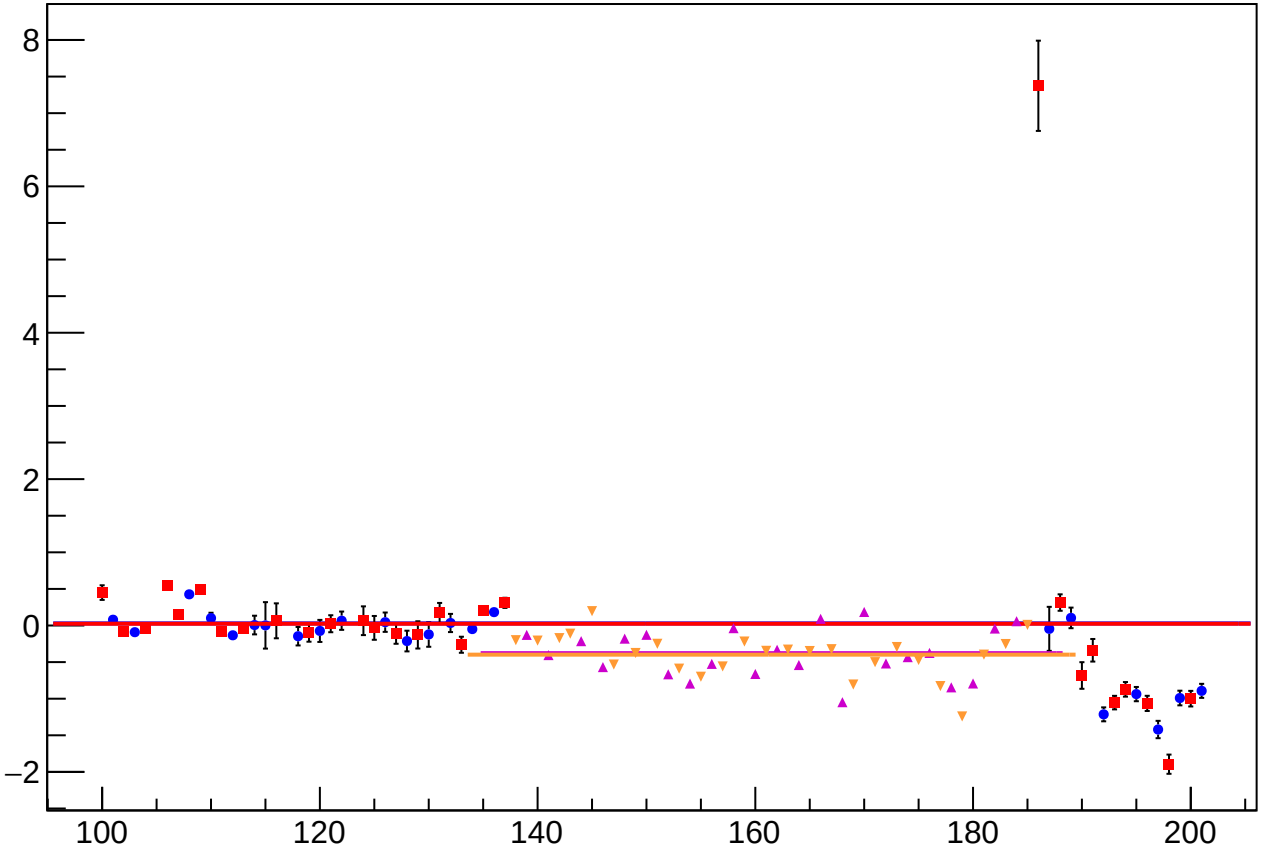
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 48.897+/-0.152 χ^2/NDF: 81430.4/47

All: 48.548+/-0.109 χ^2/NDF: 156346.3/98

- sign 48.176+/-0.157 χ^2/NDF: 74905.0/50

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: 0.024+/-0.011 χ^2/NDF: 1235.6/27

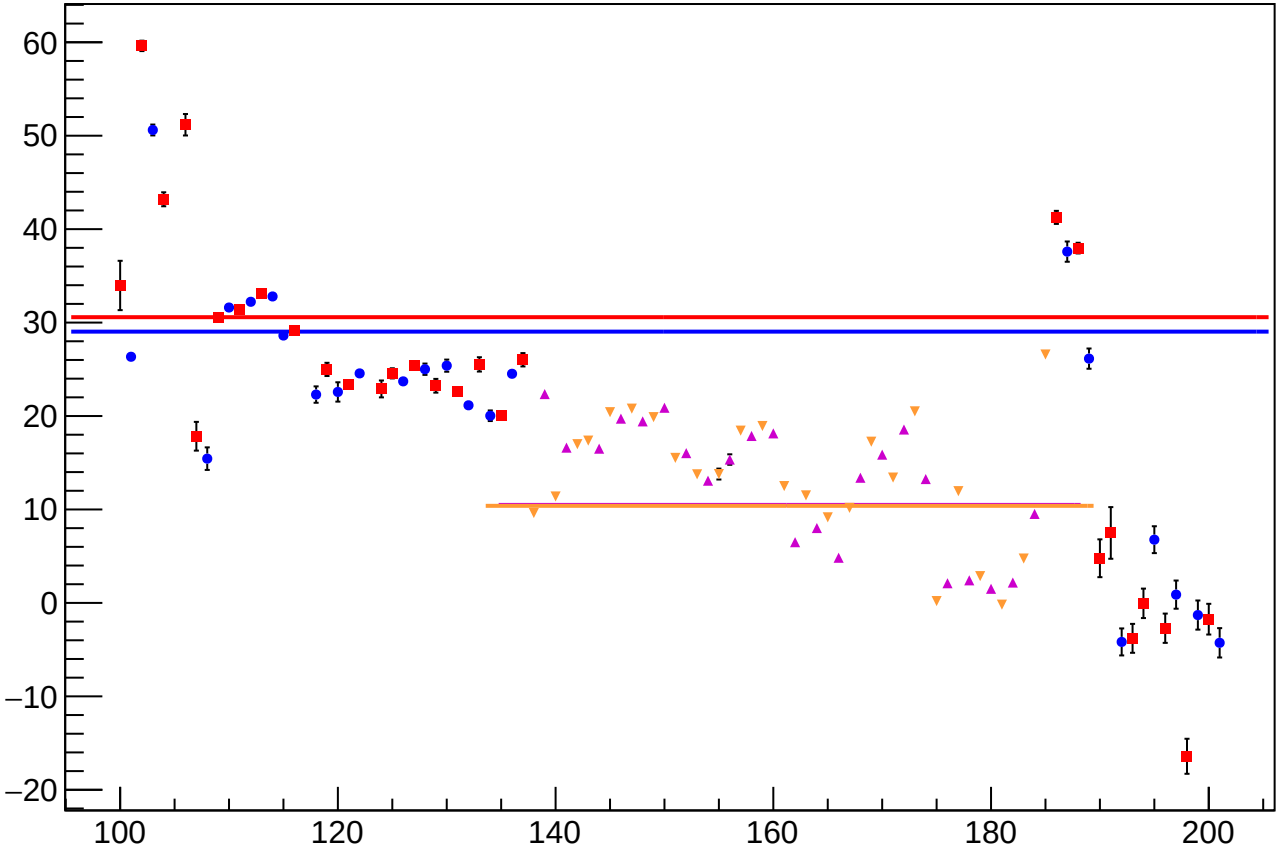
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

\+ sign -0.238+/-0.007 χ^2/NDF: 2950.6/47

All: -0.231+/-0.005 χ^2/NDF: 6370.2/98

\- sign -0.225+/-0.007 χ^2/NDF: 3417.7/50

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: 30.578+/-0.078 χ^2/NDF: 8054.8/27

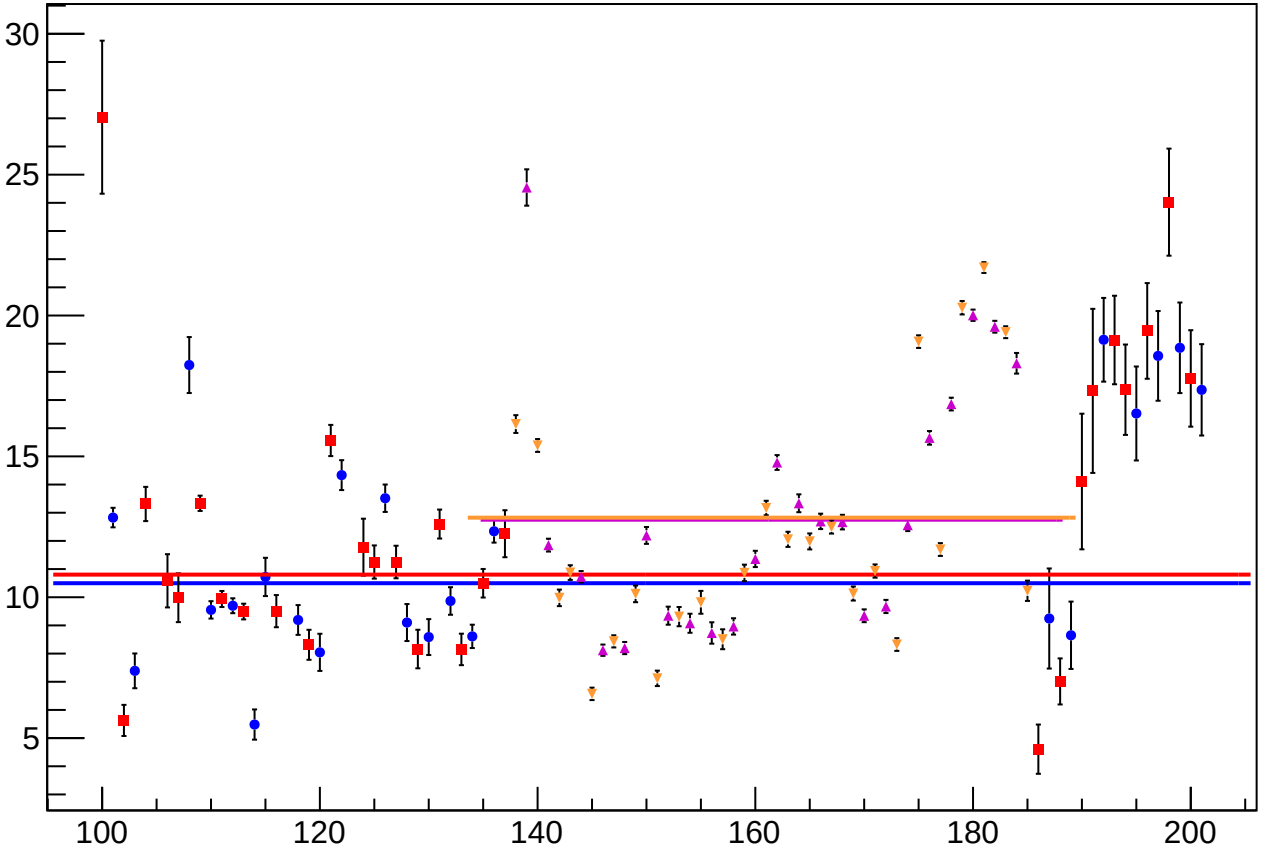
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.624+/-0.052 χ^2/NDF: 47473.6/47

All: 17.819+/-0.036 χ^2/NDF: 106139.0/98

- sign 18.946+/-0.051 χ^2/NDF: 57651.8/50

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: 10.803+/-0.110 χ^2/NDF: 630.2/27

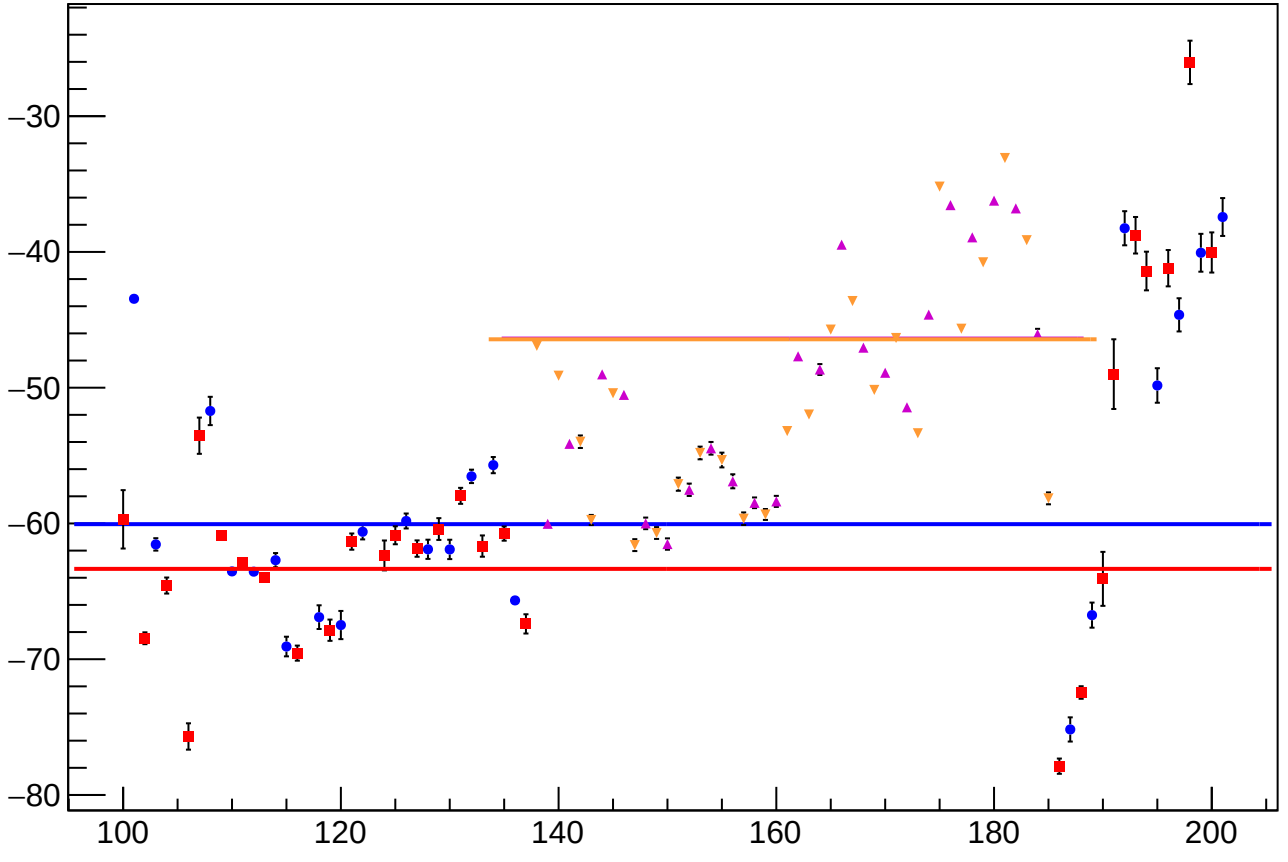
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.423+/-0.046 χ^2/NDF: 8900.1/47

All: 12.404+/-0.033 χ^2/NDF: 15289.9/98

- sign 12.383+/-0.048 χ^2/NDF: 6389.4/50

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: -63.346+/-0.101 χ^2/NDF: 3578.1/27

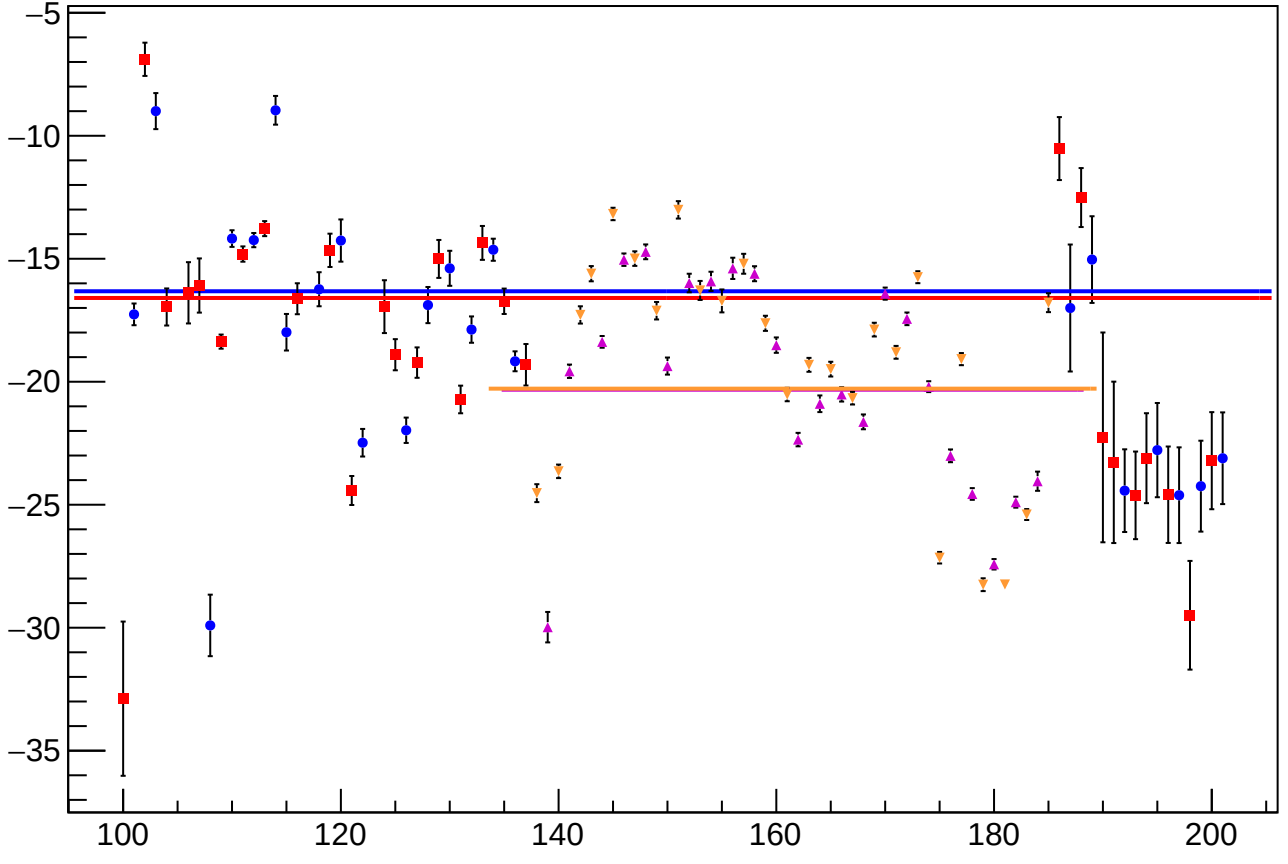
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.945+/-0.056 χ^2/NDF: 34626.2/47

All: -50.734+/-0.039 χ^2/NDF: 73260.1/98

- sign -51.531+/-0.056 χ^2/NDF: 38227.9/50

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: -16.594+/-0.122 χ^2/NDF: 820.1/27

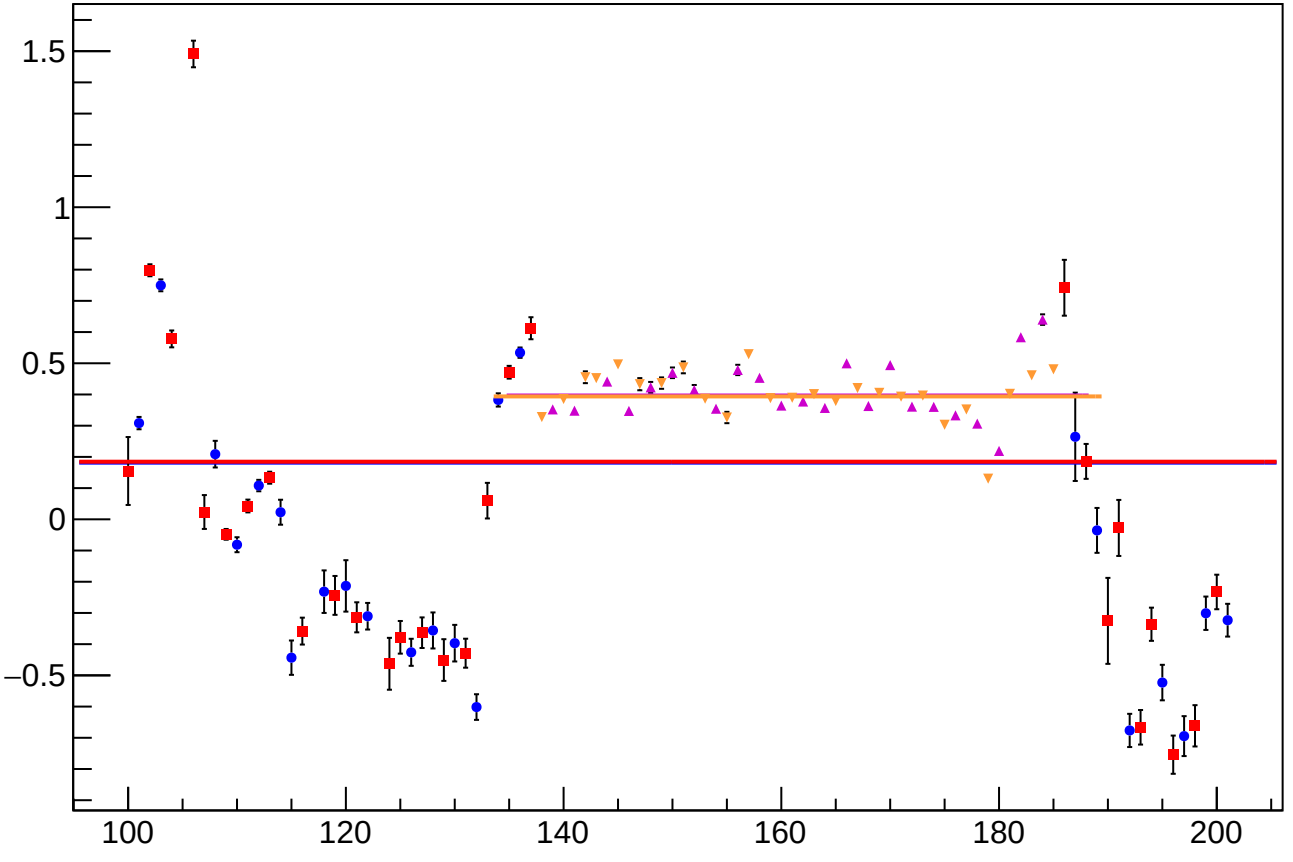
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.600+/-0.052 χ^2/NDF: 8731.6/47

All: -19.608+/-0.037 χ^2/NDF: 14581.4/98

- sign -19.616+/-0.053 χ^2/NDF: 5849.8/50

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: 0.185+/-0.007 χ^2/NDF: 4493.7/27

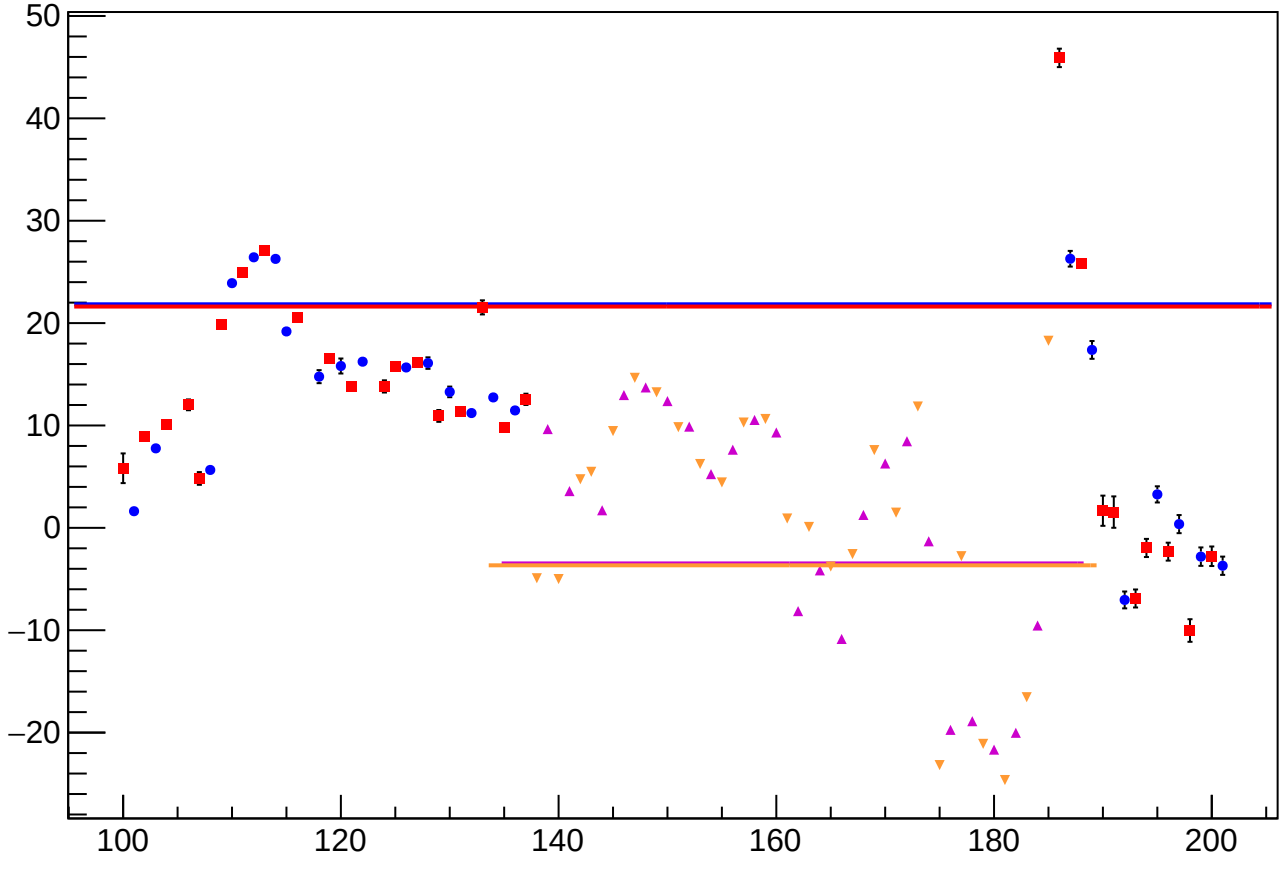
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.367+/-0.002 χ^2/NDF: 5289.7/47

All: 0.368+/-0.002 χ^2/NDF: 11938.2/98

- sign 0.369+/-0.002 χ^2/NDF: 6648.4/50

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: 21.616+/-0.046 χ^2/NDF: 15890.4/27

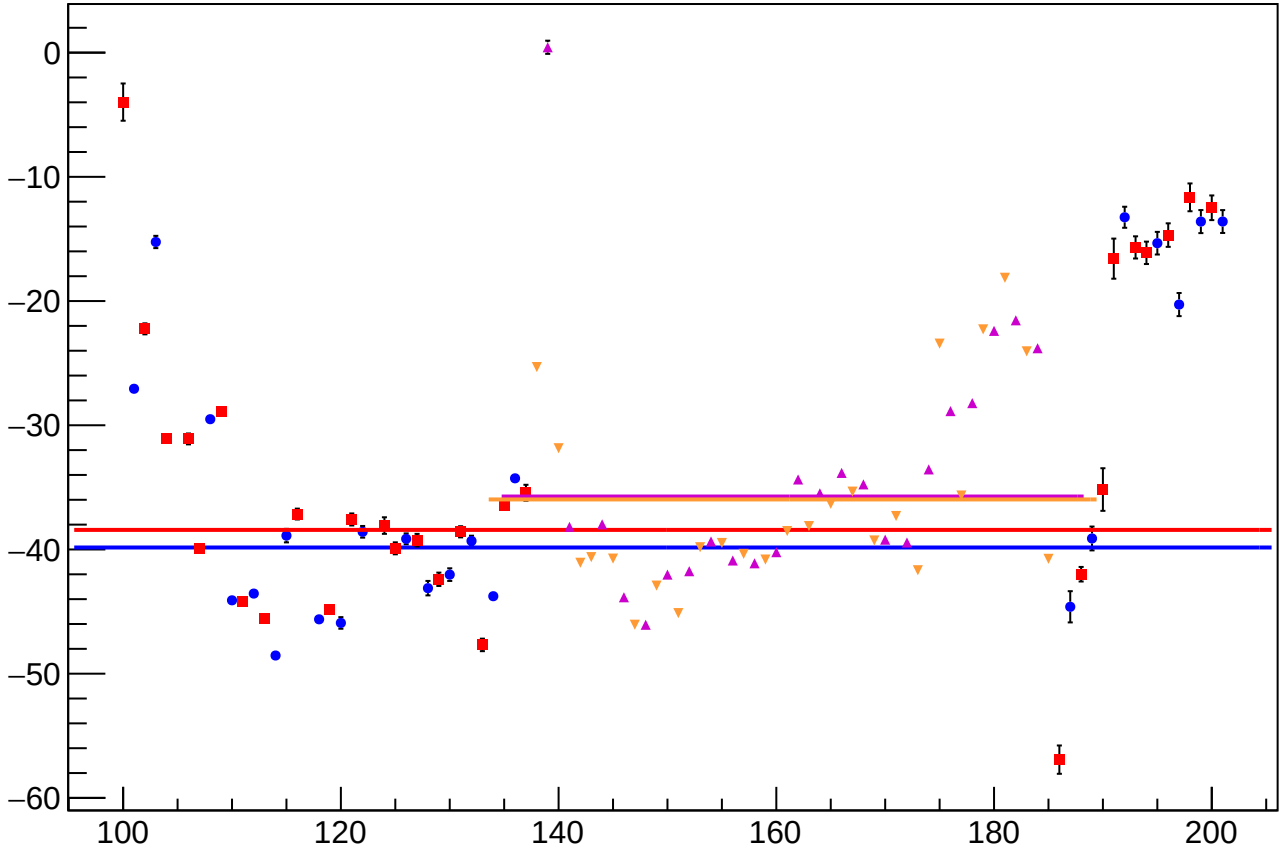
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.823+/-0.039 χ^2/NDF: 180170.0/47

All: 10.499+/-0.026 χ^2/NDF: 361648.1/98

- sign 11.906+/-0.036 χ^2/NDF: 178075.2/50

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: -38.425+/-0.069 χ^2/NDF: 13797.2/27

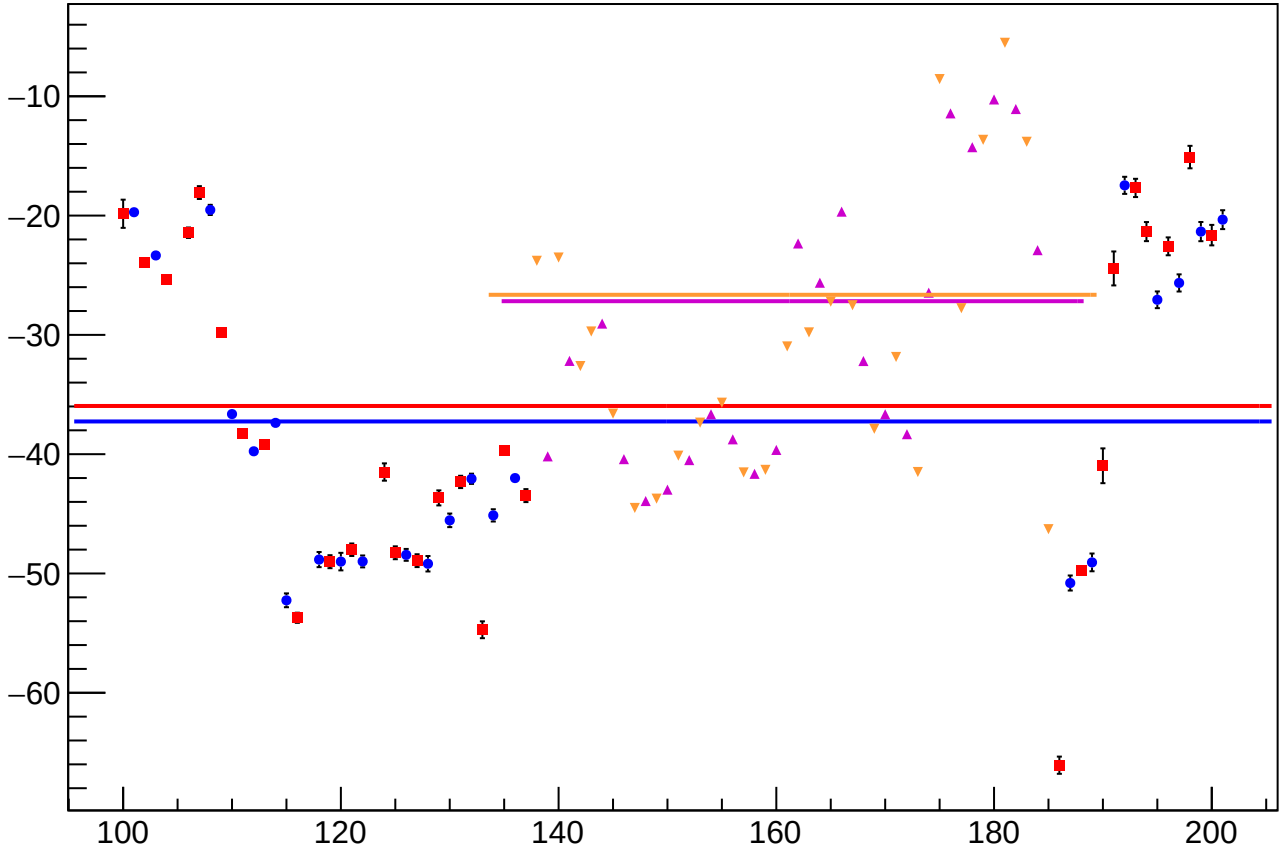
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.914+/-0.037 χ^2/NDF: 47318.1/47

All: -36.727+/-0.026 χ^2/NDF: 89380.6/98

- sign -36.532+/-0.038 χ^2/NDF: 42009.9/50

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: -35.959+/-0.062 χ^2/NDF: 18841.2/27

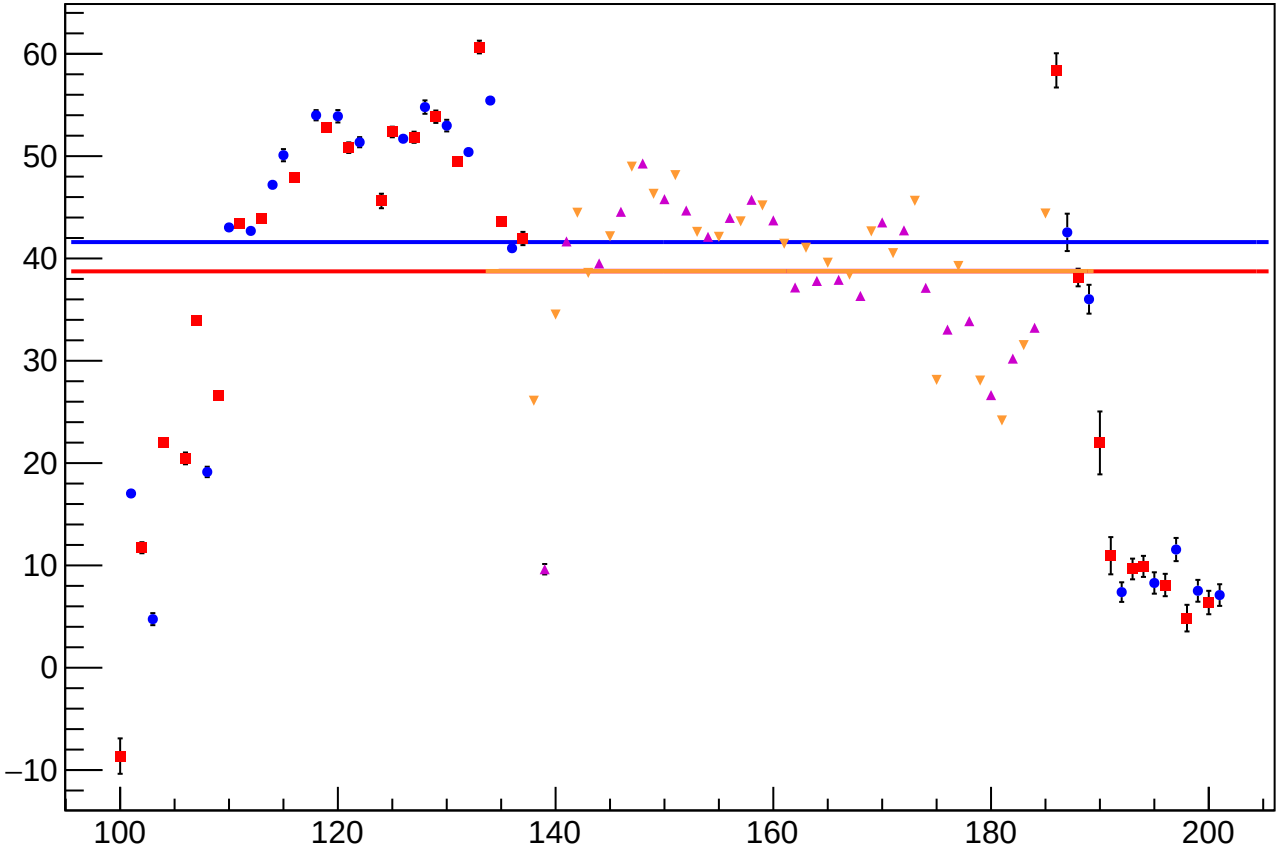
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.570+/-0.043 χ^2/NDF: 77742.8/47

All: -30.908+/-0.030 χ^2/NDF: 148553.8/98

- sign -31.226+/-0.042 χ^2/NDF: 70692.7/50

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: 38.739+/-0.077 χ^2/NDF: 22359.1/27

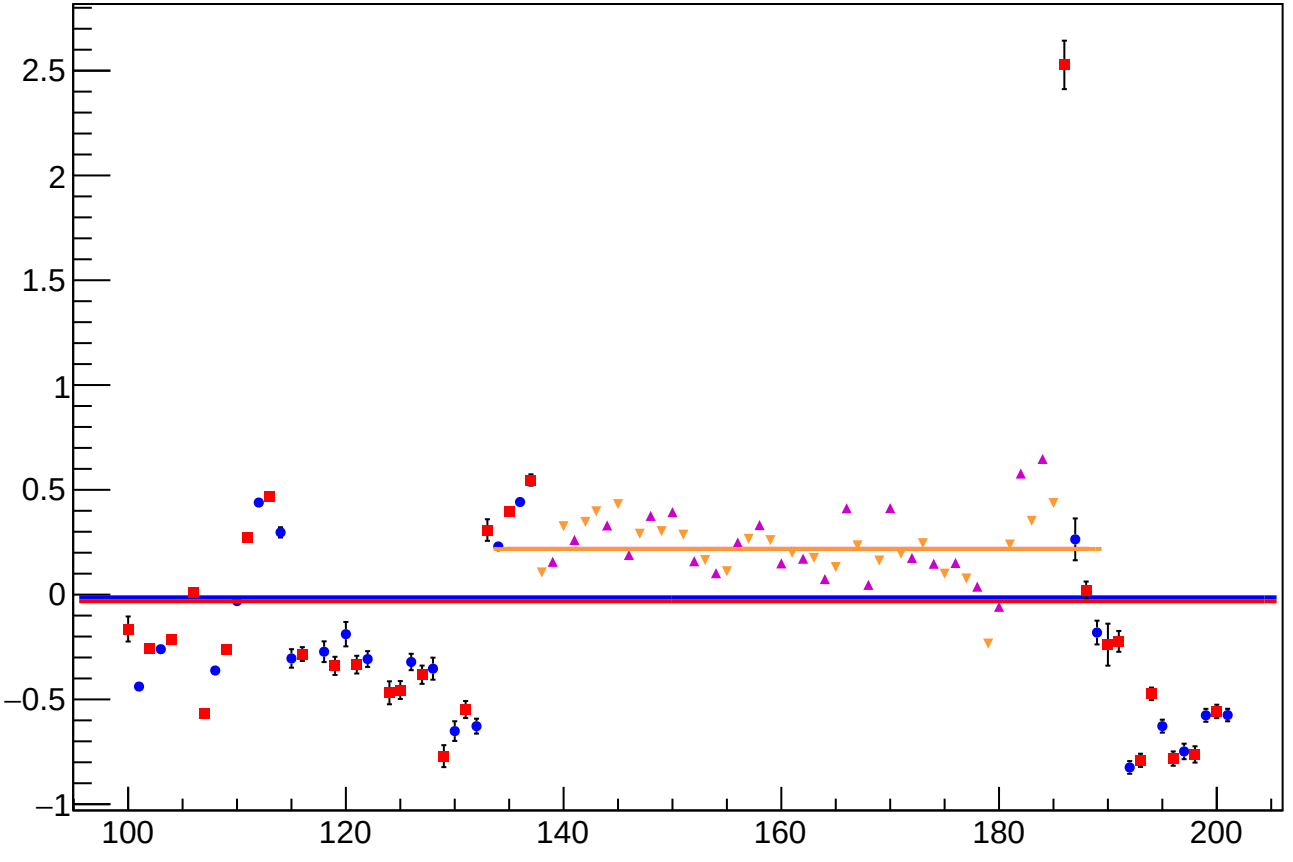
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.473+/-0.041 χ^2/NDF: 41964.4/47

All: 39.129+/-0.029 χ^2/NDF: 80704.2/98

- sign 38.776+/-0.042 χ^2/NDF: 38600.1/50

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: -0.031+/-0.004 χ^2/NDF: 8969.6/27

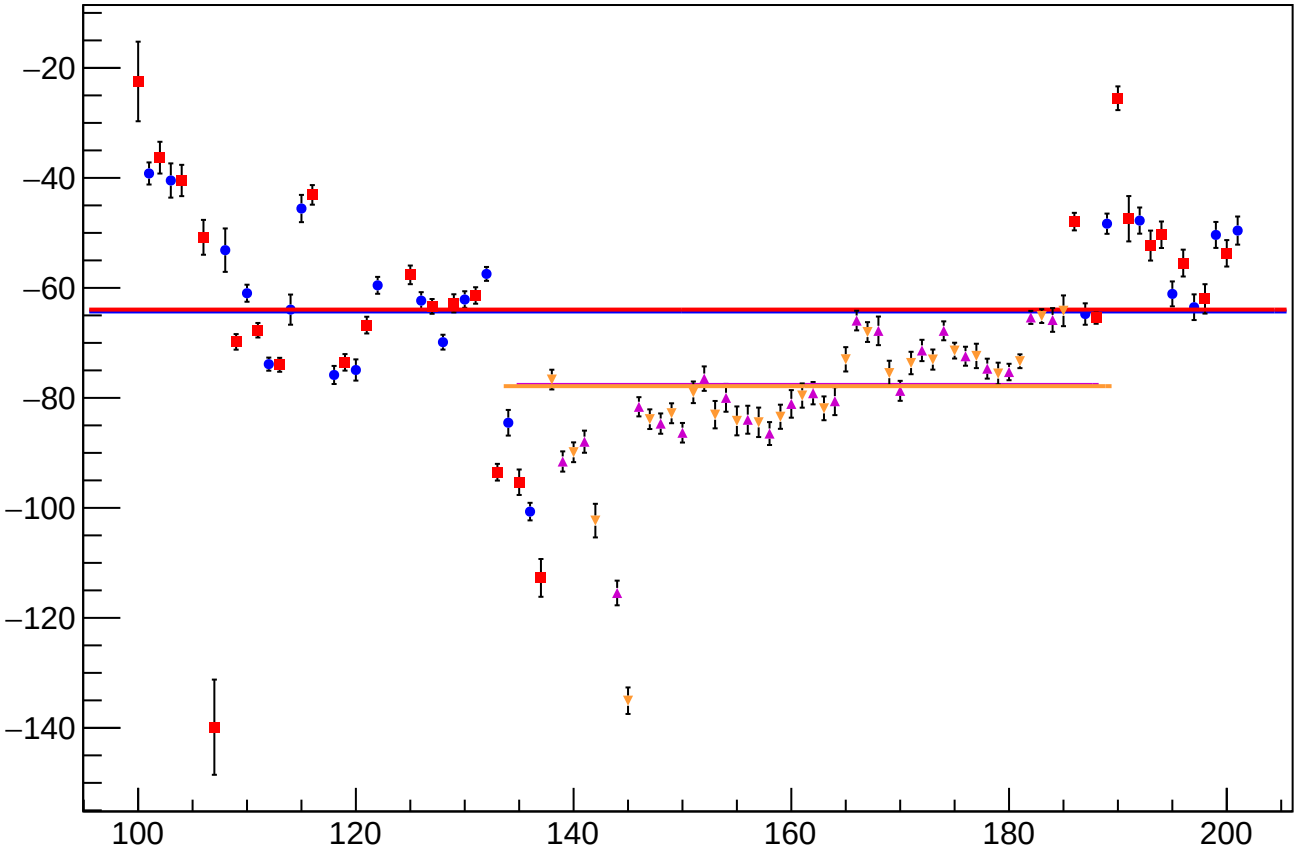
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.176+/-0.002 χ^2/NDF: 14136.0/47

All: 0.169+/-0.001 χ^2/NDF: 31242.1/98

- sign 0.163+/-0.002 χ^2/NDF: 17082.6/50

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: -63.945+/-0.354 χ^2/NDF: 1854.6/26

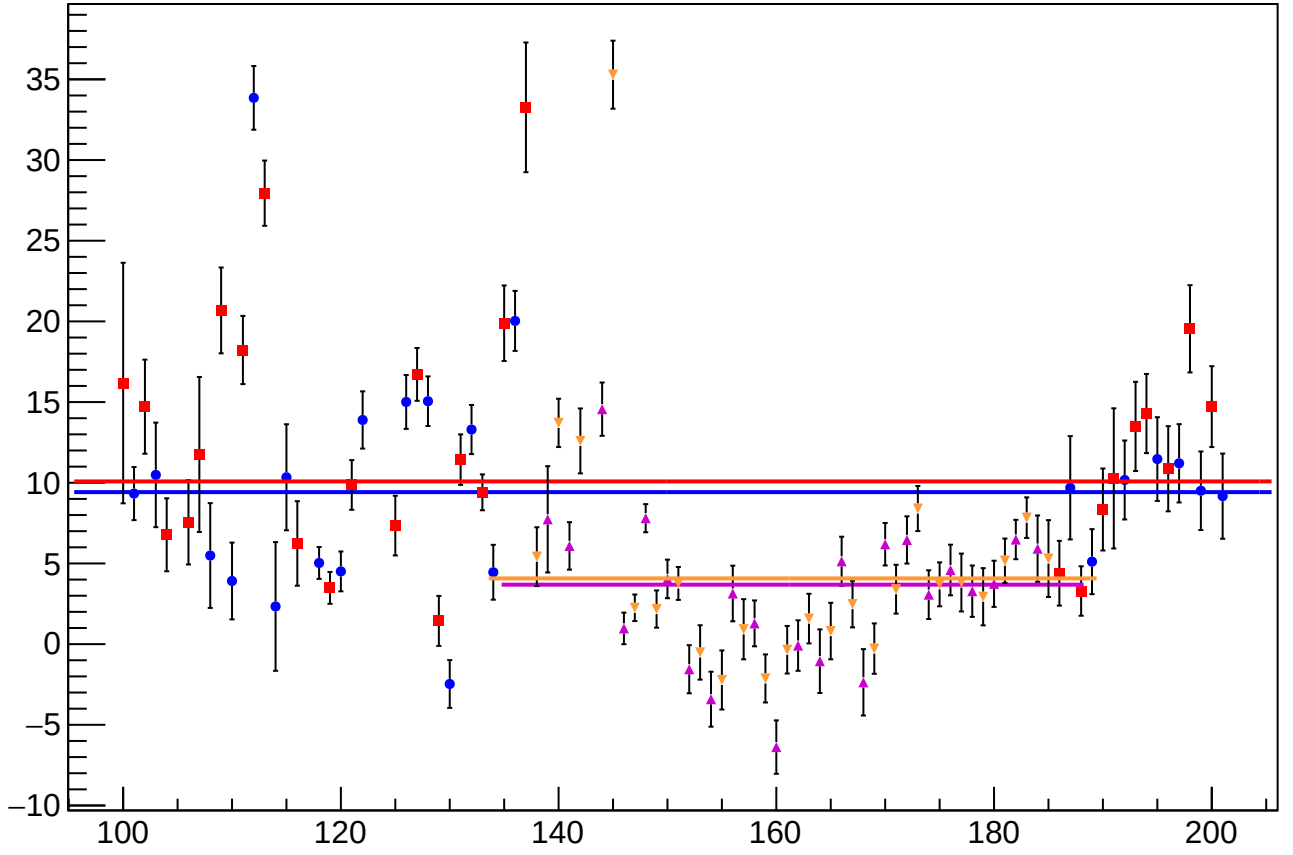
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -70.815+/-0.273 χ^2/NDF: 2825.7/46

All: -70.405+/-0.190 χ^2/NDF: 6042.0/96

- sign -70.023+/-0.264 χ^2/NDF: 3212.0/49

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: 10.082+/-0.381 χ^2/NDF: 312.1/26

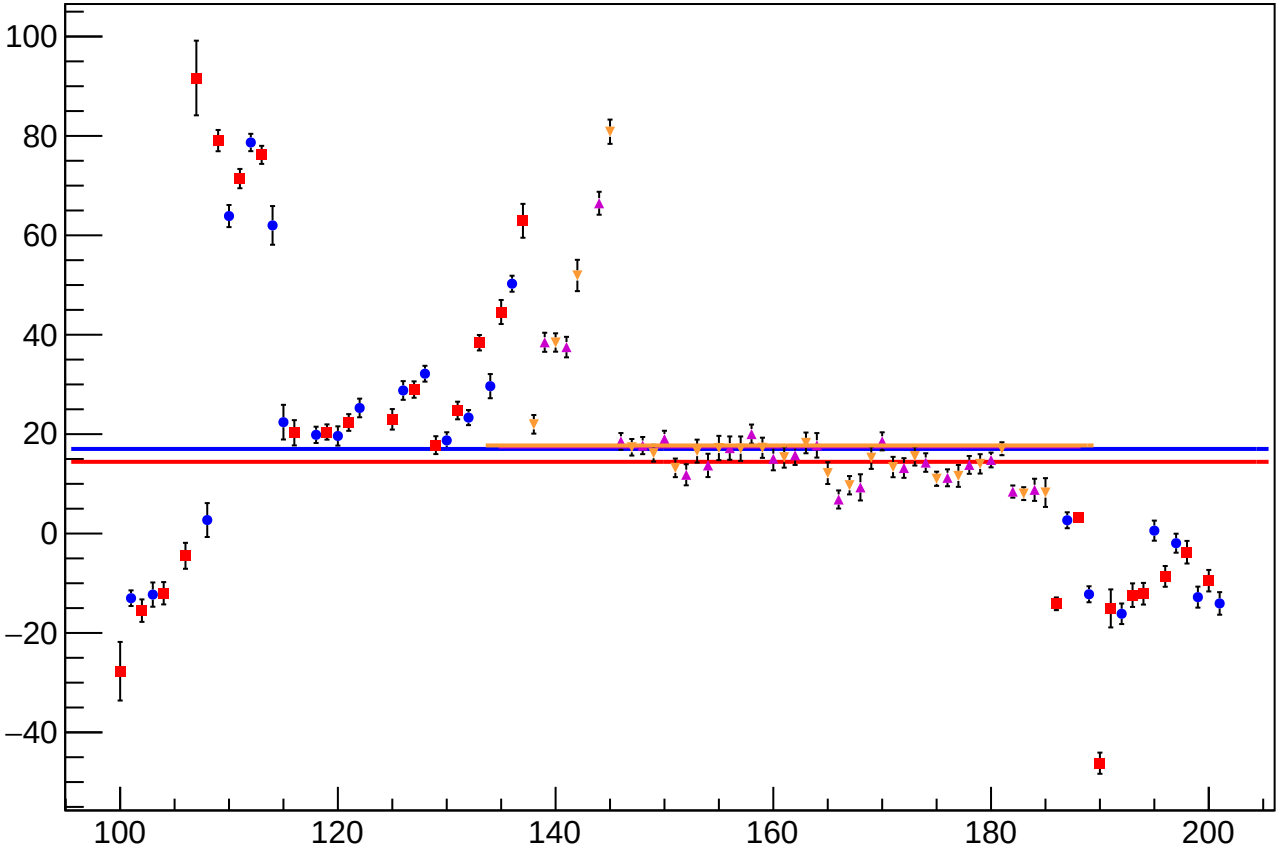
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

\+ sign 6.038+/-0.236 χ^2/NDF: 837.7/46

All: 6.094+/-0.167 χ^2/NDF: 1505.8/96

\- sign 6.151+/-0.237 χ^2/NDF: 667.9/49

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: 14.429+/-0.367 χ^2/NDF: 6334.1/26

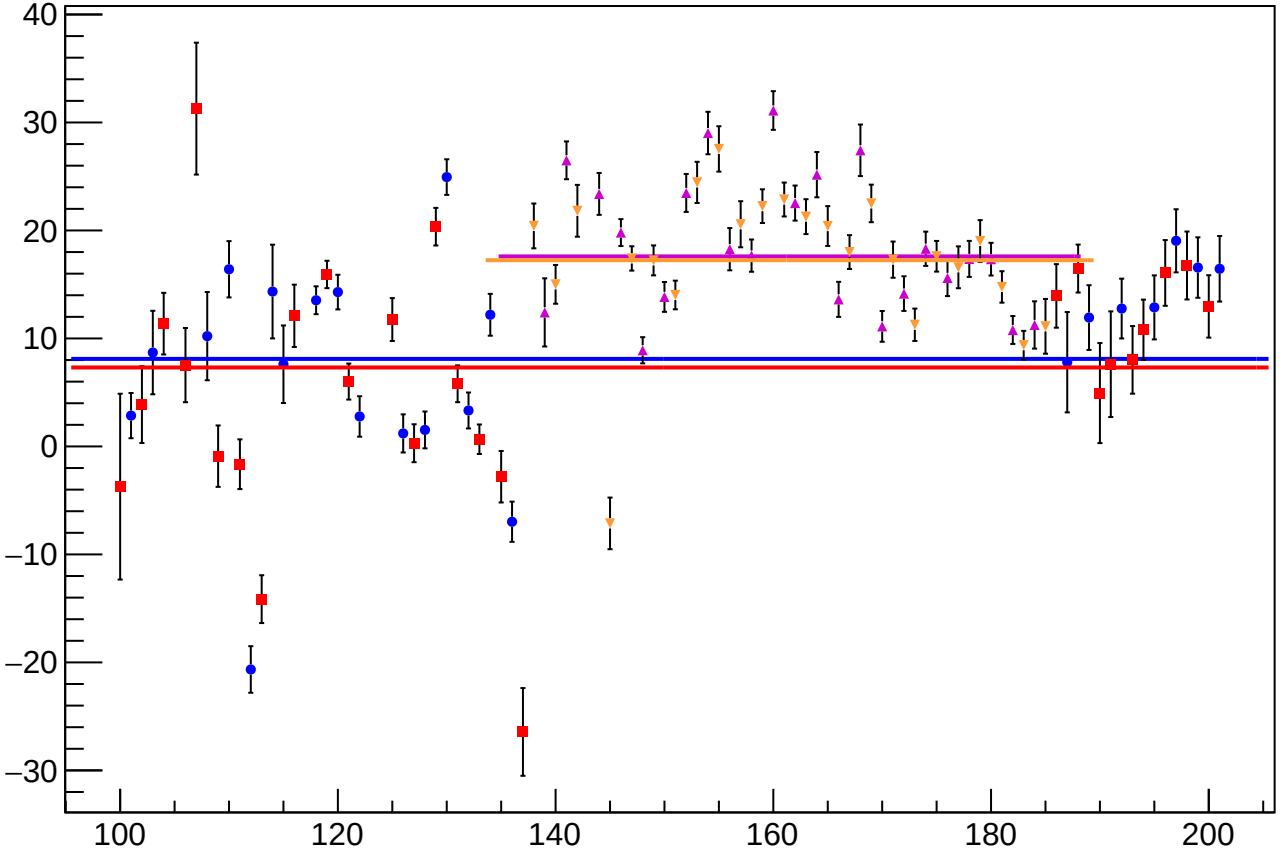
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 17.381+/-0.280 χ^2/NDF: 5257.1/46

All: 16.588+/-0.194 χ^2/NDF: 12459.8/96

- sign 15.858+/-0.268 χ^2/NDF: 7187.2/49

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: 7.312+/-0.450 χ^2/NDF: 420.7/26

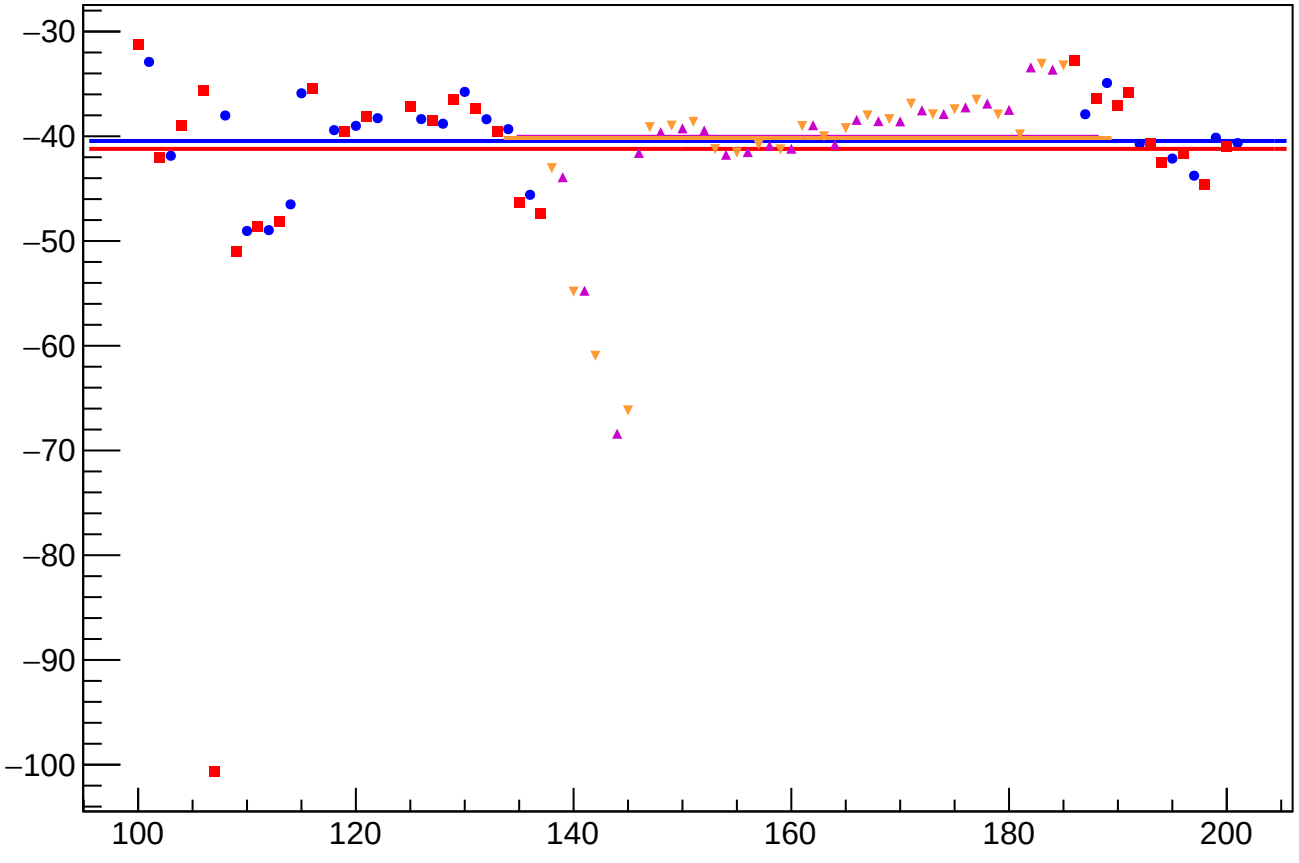
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.996+/-0.271 χ^2/NDF: 1008.3/46

All: 13.912+/-0.192 χ^2/NDF: 2069.9/96

- sign 13.828+/-0.272 χ^2/NDF: 1061.3/49

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: -41.204+/-0.023 χ^2/NDF: 67306.4/26

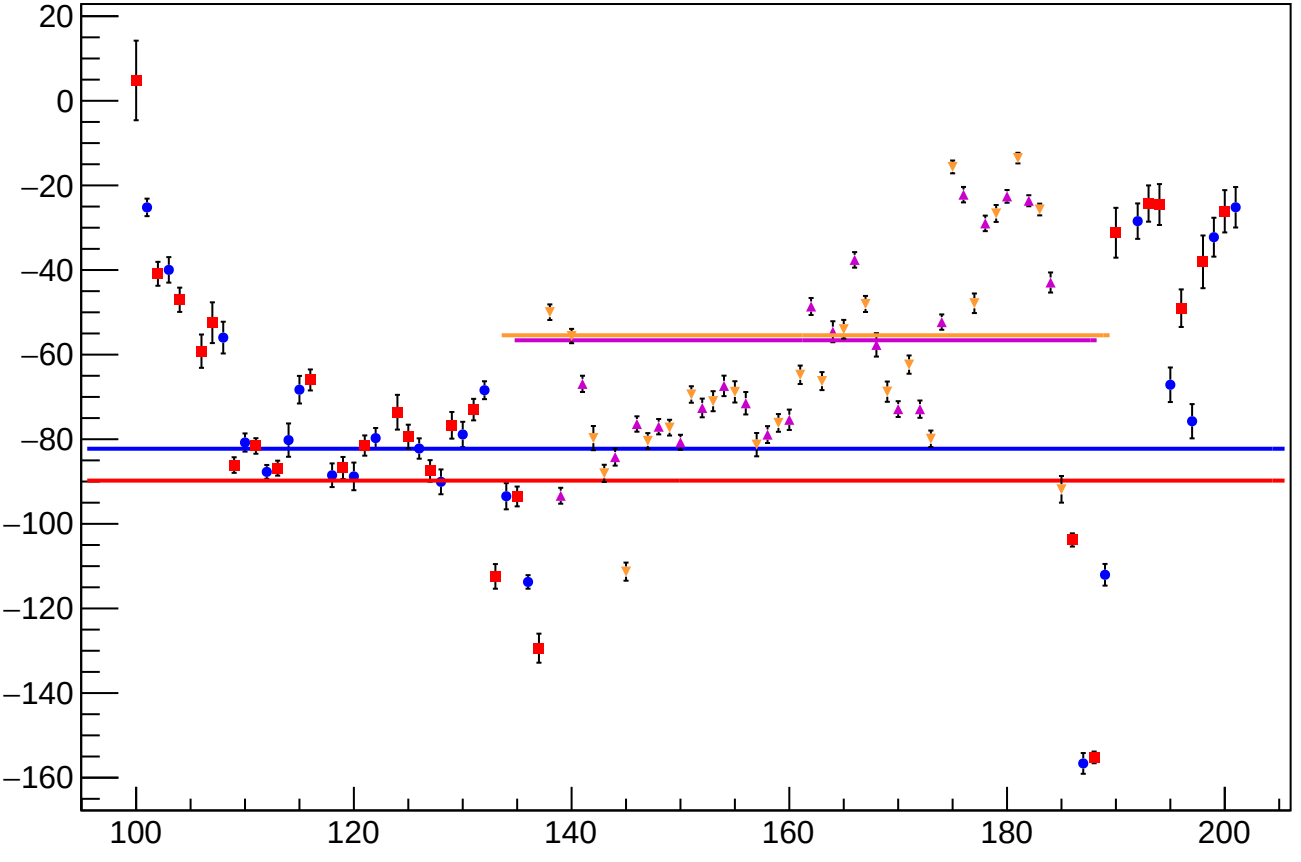
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.248+/-0.013 χ^2/NDF: 188144.9/46

All: -40.324+/-0.009 χ^2/NDF: 393659.2/96

- sign -40.399+/-0.013 χ^2/NDF: 205446.4/49

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: -89.779+/-0.505 χ^2/NDF: 4310.9/26

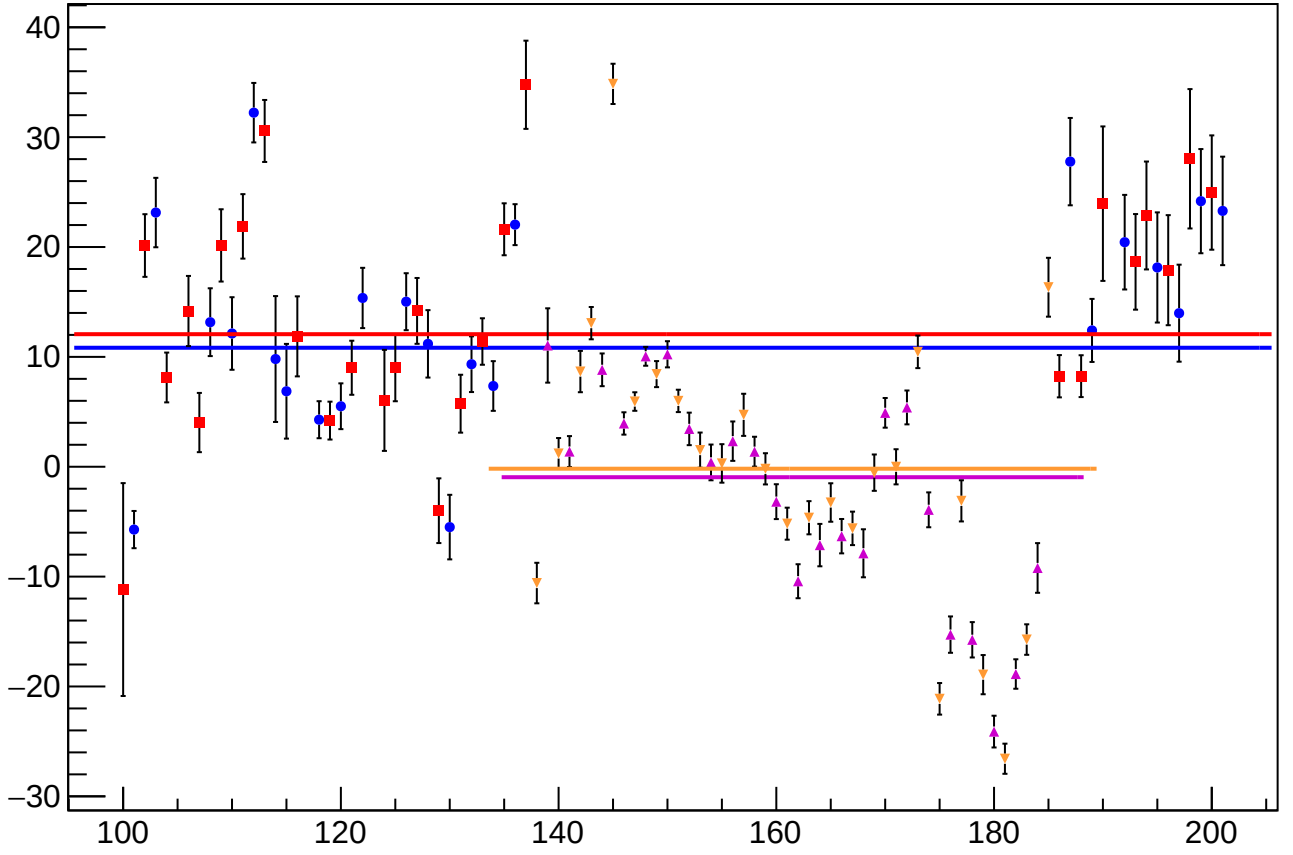
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.424+/-0.321 χ^2/NDF: 9080.5/47

All: -67.021+/-0.225 χ^2/NDF: 19500.8/97

- sign -69.534+/-0.315 χ^2/NDF: 10291.2/49

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: 12.066+/-0.557 χ^2/NDF: 227.6/26

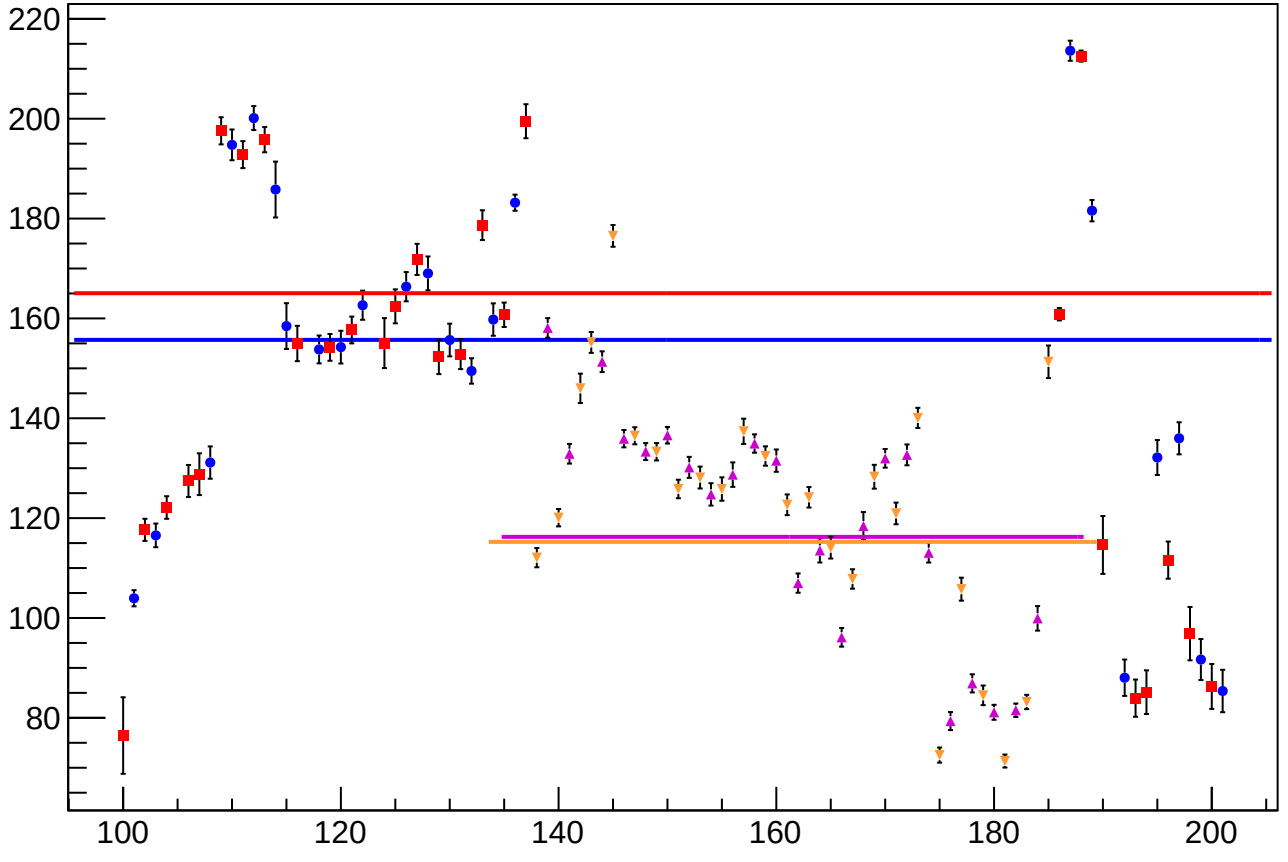
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 2.093+/-0.262 χ^2/NDF: 2199.5/47

All: 2.067+/-0.187 χ^2/NDF: 3918.0/97

- sign 2.040+/-0.267 χ^2/NDF: 1718.5/49

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: 165.047+/-0.506 χ^2/NDF: 5158.2/26

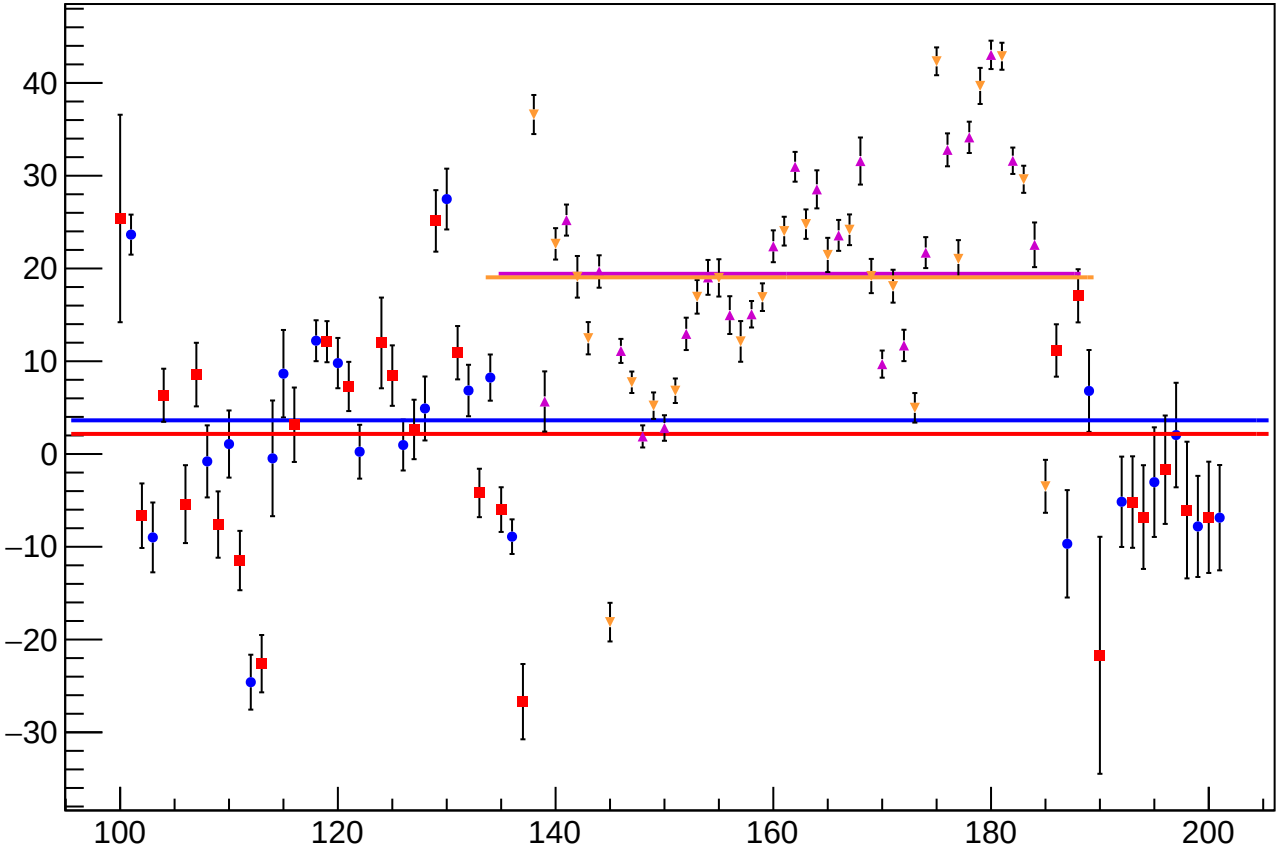
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.271+/-0.321 χ^2/NDF: 12432.3/47

All: 131.712+/-0.224 χ^2/NDF: 27189.6/97

- sign 134.981+/-0.313 χ^2/NDF: 14533.8/49

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: 2.166+/-0.664 χ^2/NDF: 315.8/26

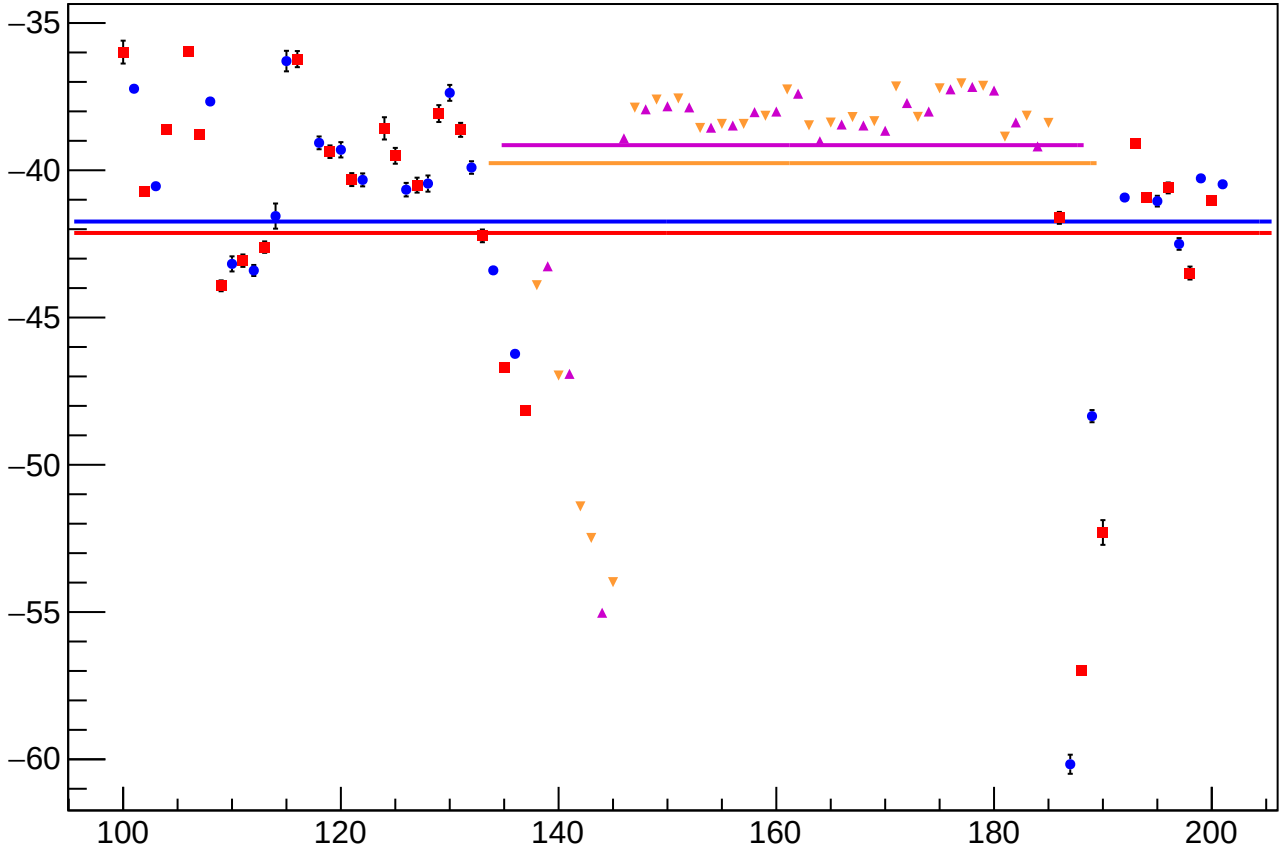
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 15.966+/-0.301 χ^2/NDF: 2301.5/47

All: 15.856+/-0.215 χ^2/NDF: 4226.7/97

- sign 15.742+/-0.307 χ^2/NDF: 1924.9/49

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: -42.128+/-0.034 χ^2/NDF: 19097.4/26

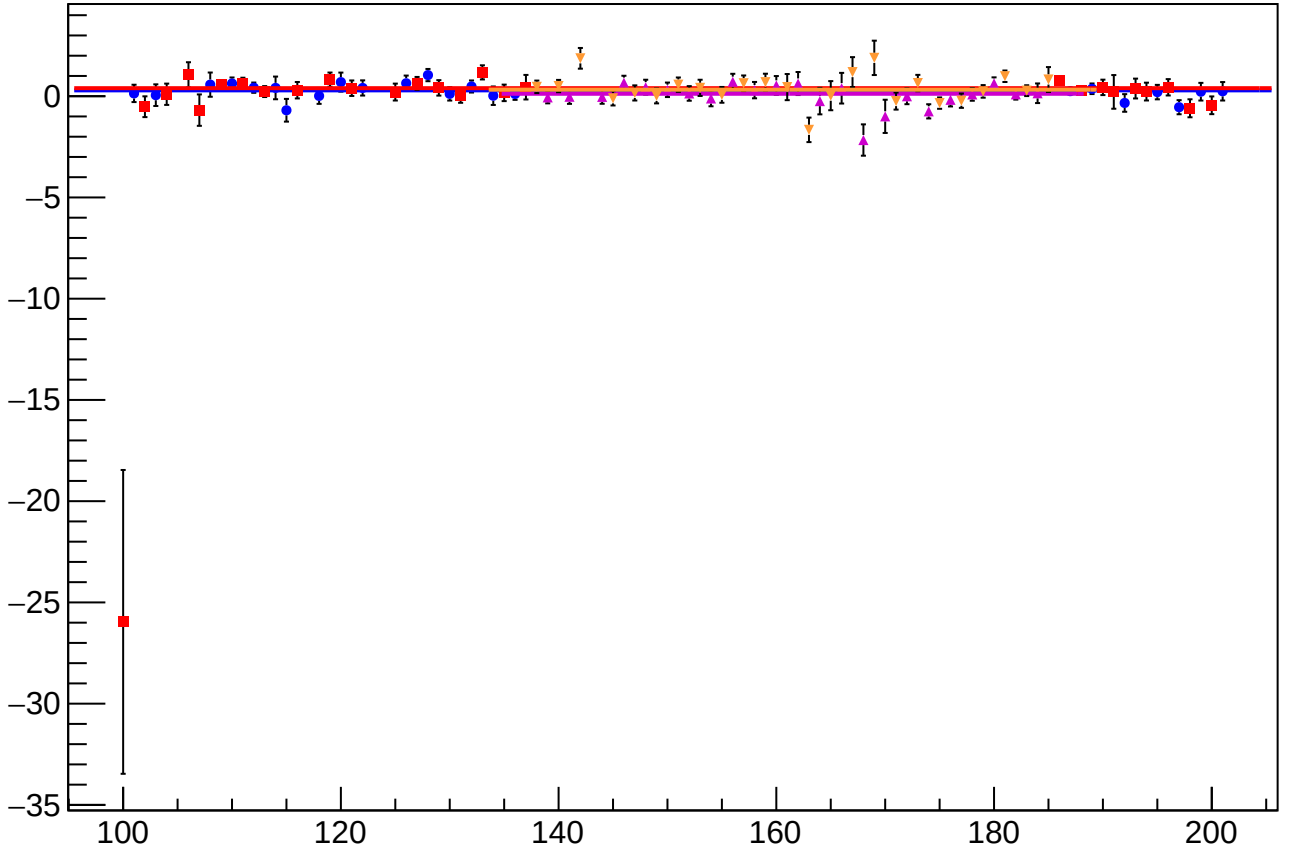
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.108+/-0.014 χ^2/NDF: 97191.4/47

All: -39.893+/-0.010 χ^2/NDF: 170105.7/97

- sign -39.673+/-0.014 χ^2/NDF: 72438.5/49

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: 0.397+/-0.063 χ^2/NDF: 43.9/26

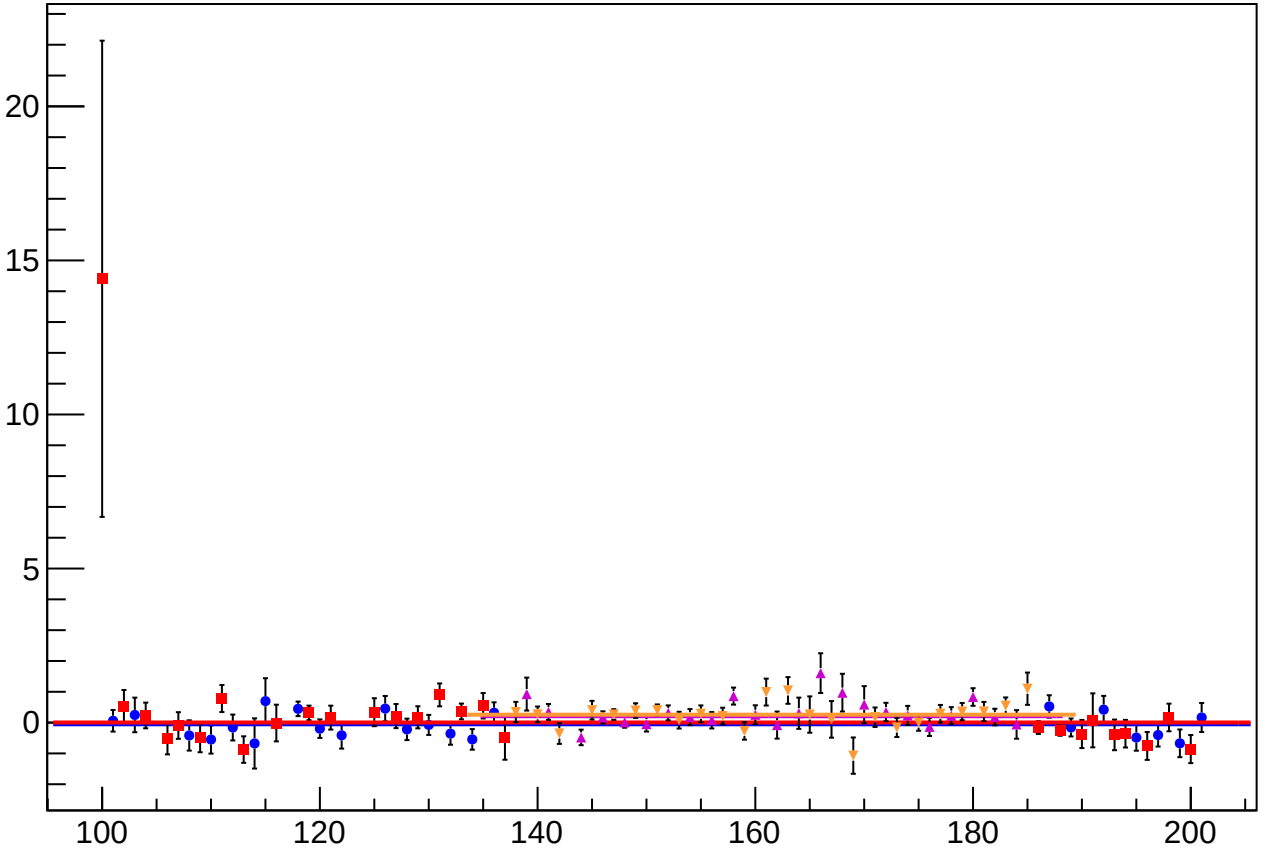
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.304+/-0.054 χ^2/NDF: 70.0/46

All: 0.296+/-0.036 χ^2/NDF: 151.3/96

- sign 0.290+/-0.049 χ^2/NDF: 81.3/49

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+/-0.072 χ^2/NDF: 38.1/26

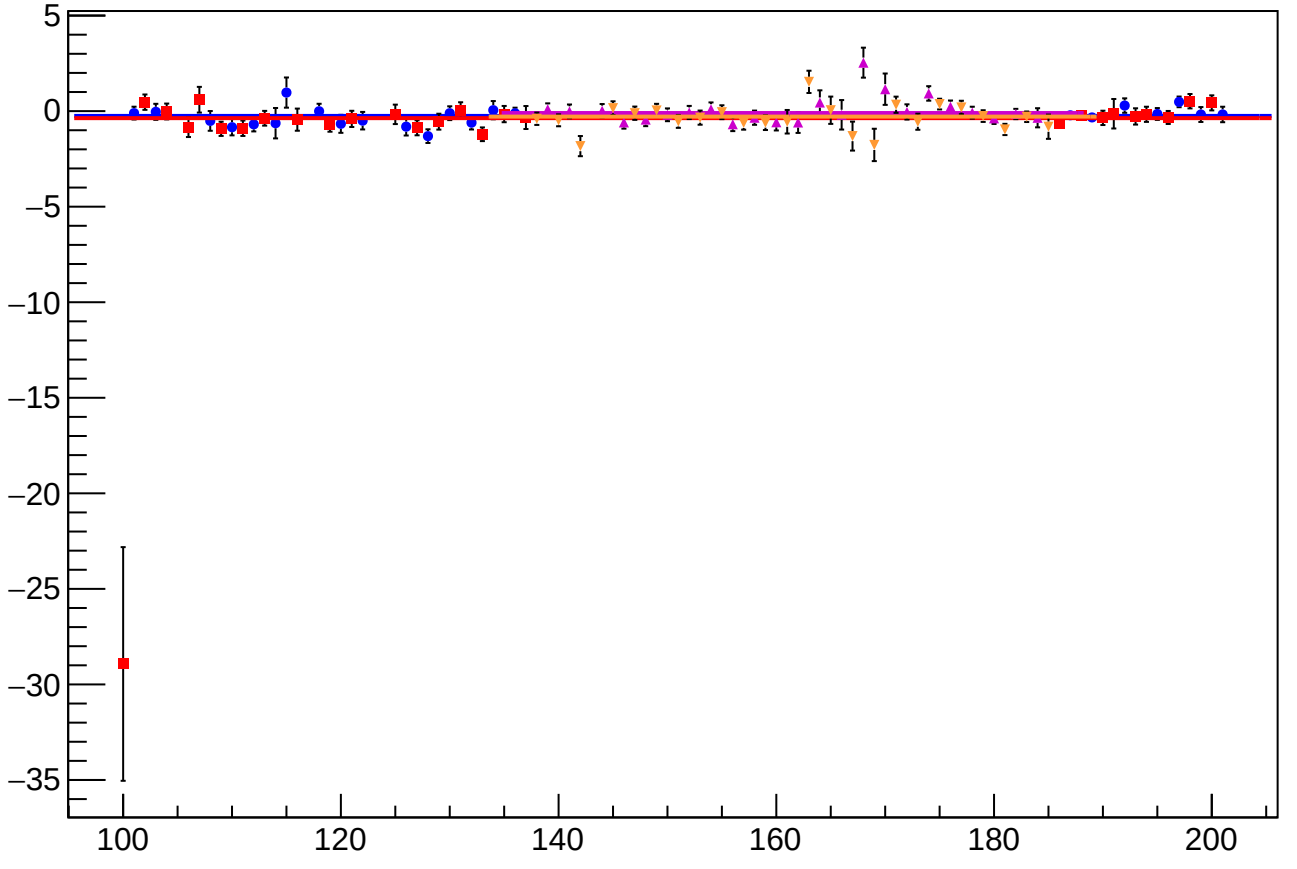
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.145+/-0.047 χ^2/NDF: 59.3/46

All: 0.134+/-0.033 χ^2/NDF: 134.1/96

- sign 0.123+/-0.046 χ^2/NDF: 74.7/49

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: -0.367+/-0.060 χ^2/NDF: 58.8/26

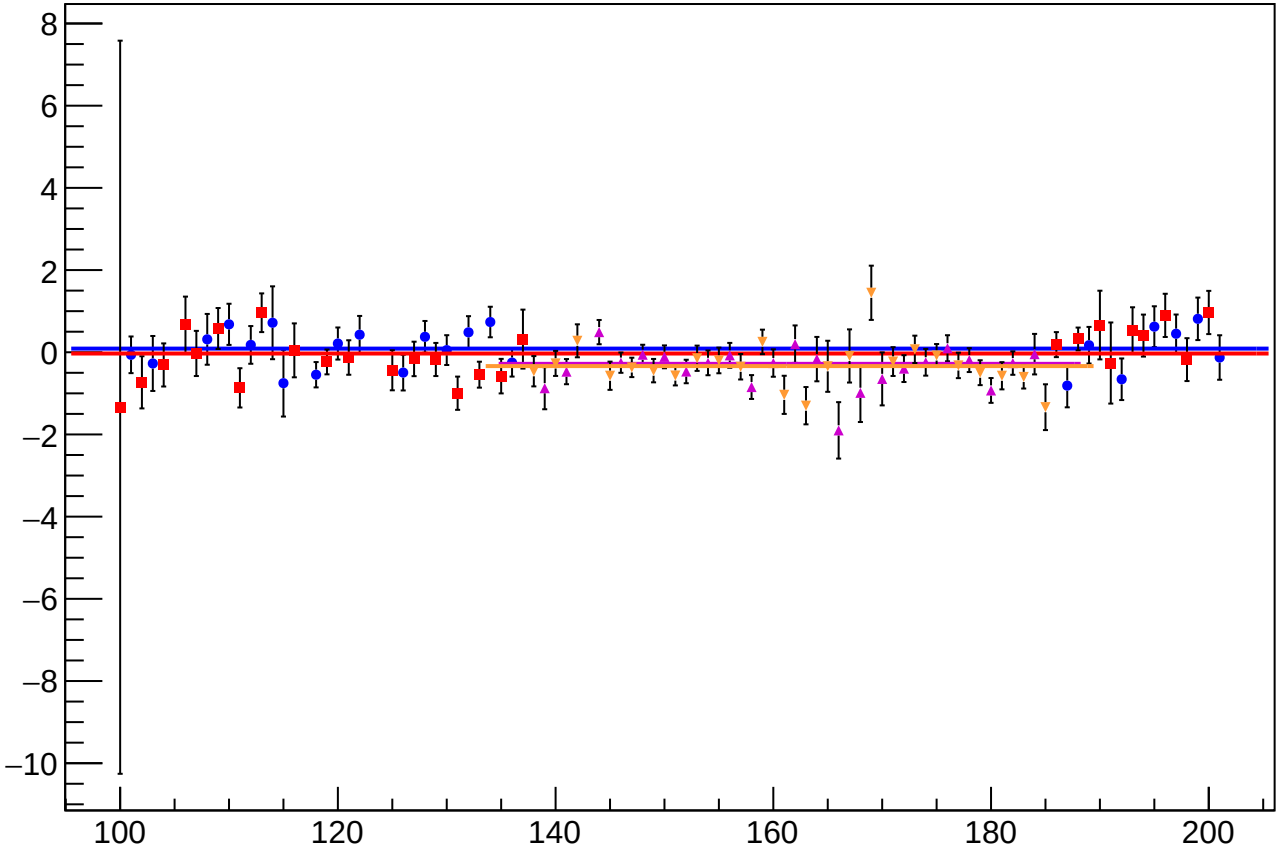
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.267+/-0.053 χ^2/NDF: 74.5/46

All: -0.268+/-0.035 χ^2/NDF: 173.9/96

- sign -0.269+/-0.047 χ^2/NDF: 99.4/49

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: -0.031+/-0.089 χ^2/NDF: 34.7/26

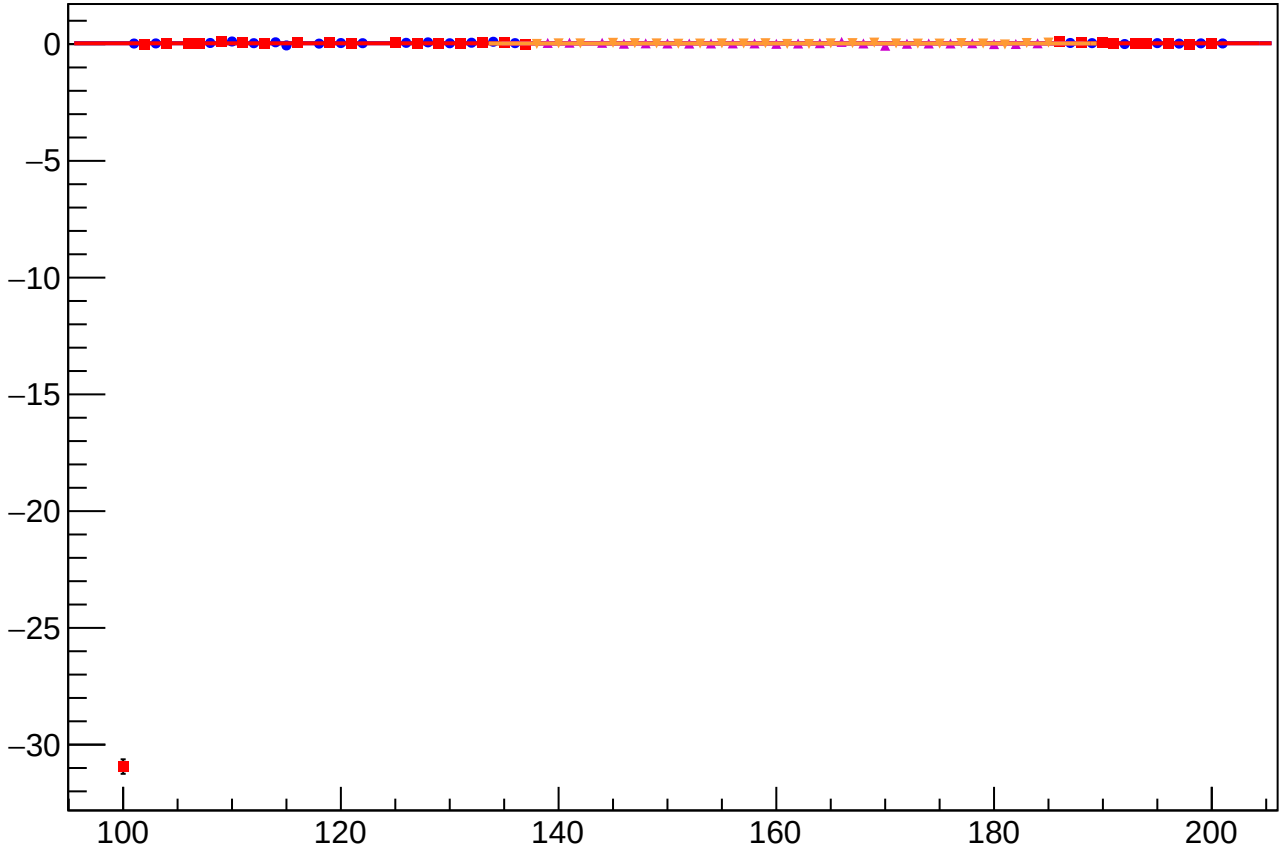
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.190+/-0.055 χ^2/NDF: 68.5/46

All: -0.189+/-0.039 χ^2/NDF: 137.2/96

- sign -0.187+/-0.054 χ^2/NDF: 68.7/49

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: 0.034+/-0.004 χ^2/NDF: 10044.8/26

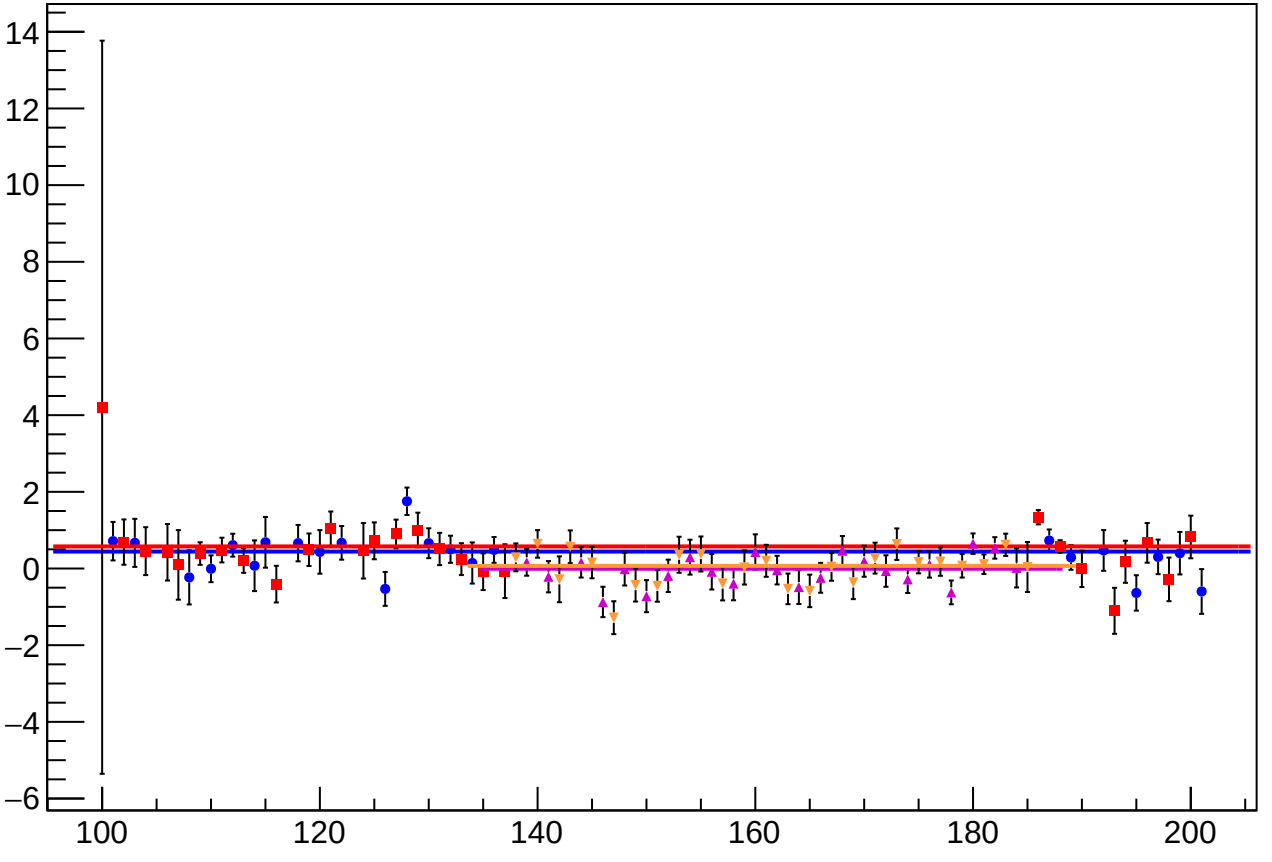
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.003 χ^2/NDF: 60.3/46

All: 0.031+/-0.002 χ^2/NDF: 10144.8/96

- sign 0.031+/-0.002 χ^2/NDF: 10084.5/49

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: 0.576+/-0.075 χ^2/NDF: 41.9/26

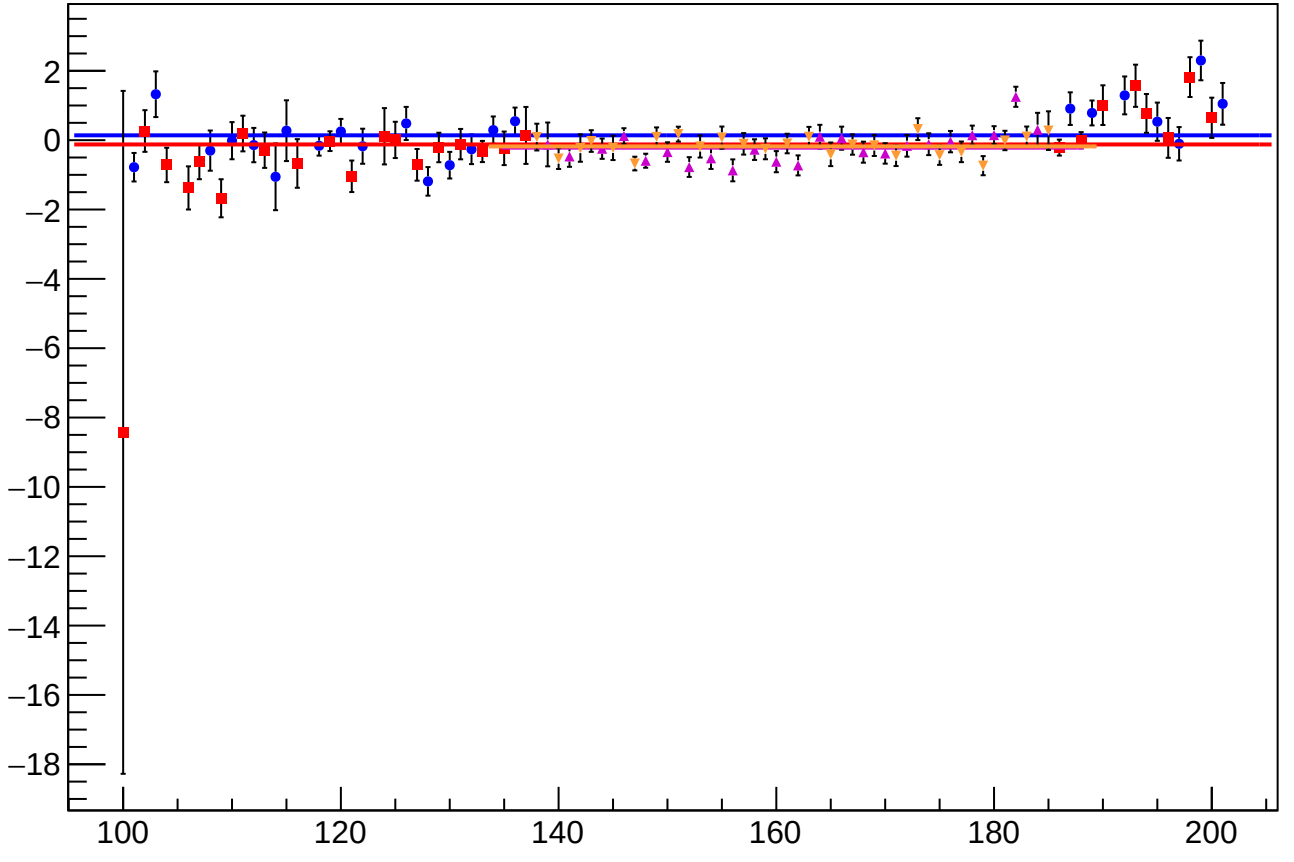
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

\+ sign 0.229+/-0.058 χ^2/NDF: 74.3/47

All: 0.268+/-0.040 χ^2/NDF: 174.0/97

\- sign 0.302+/-0.055 χ^2/NDF: 98.9/49

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: -0.124+/-0.086 χ^2/NDF: 51.3/26

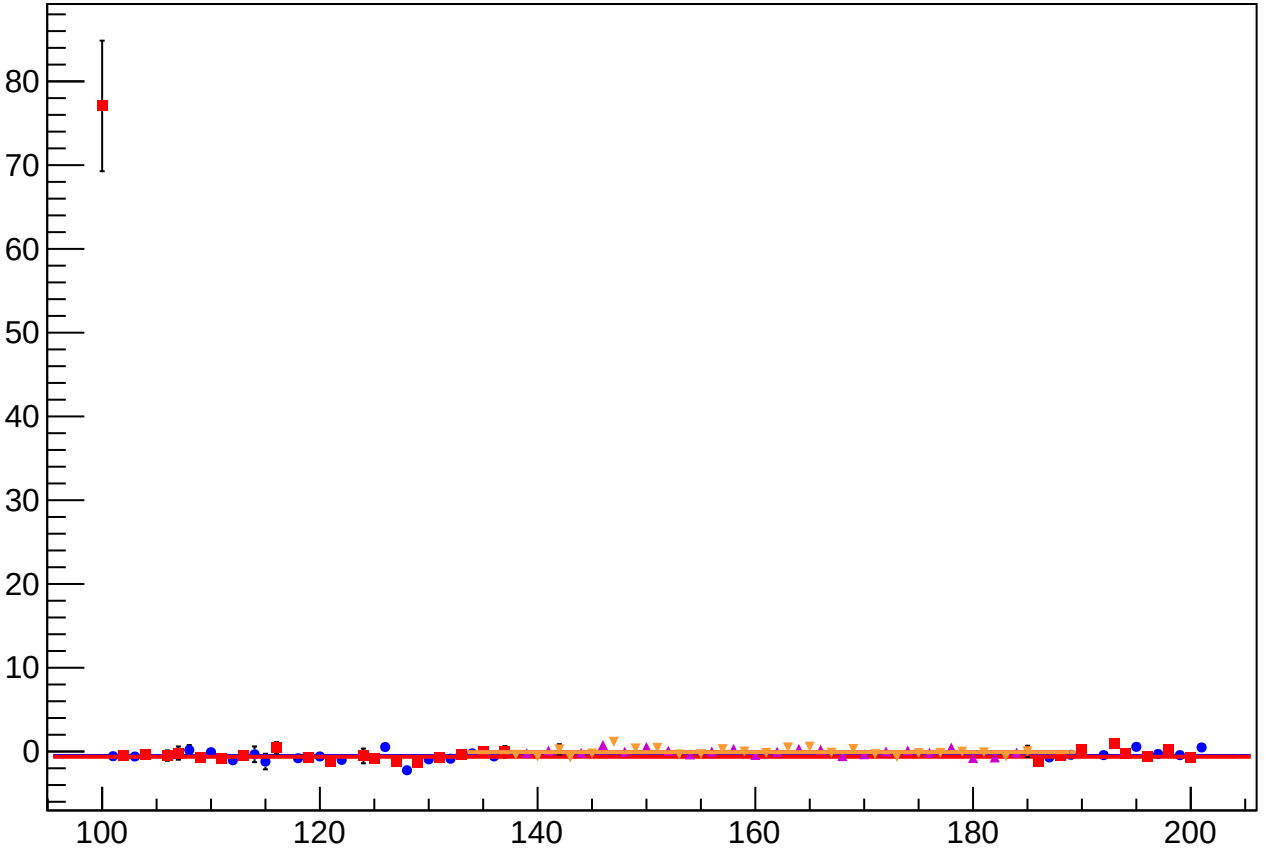
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.092+/-0.050 χ^2/NDF: 90.9/47

All: -0.138+/-0.035 χ^2/NDF: 198.3/97

- sign -0.184+/-0.050 χ^2/NDF: 105.6/49

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: -0.626+/-0.071 χ^2/NDF: 139.9/26

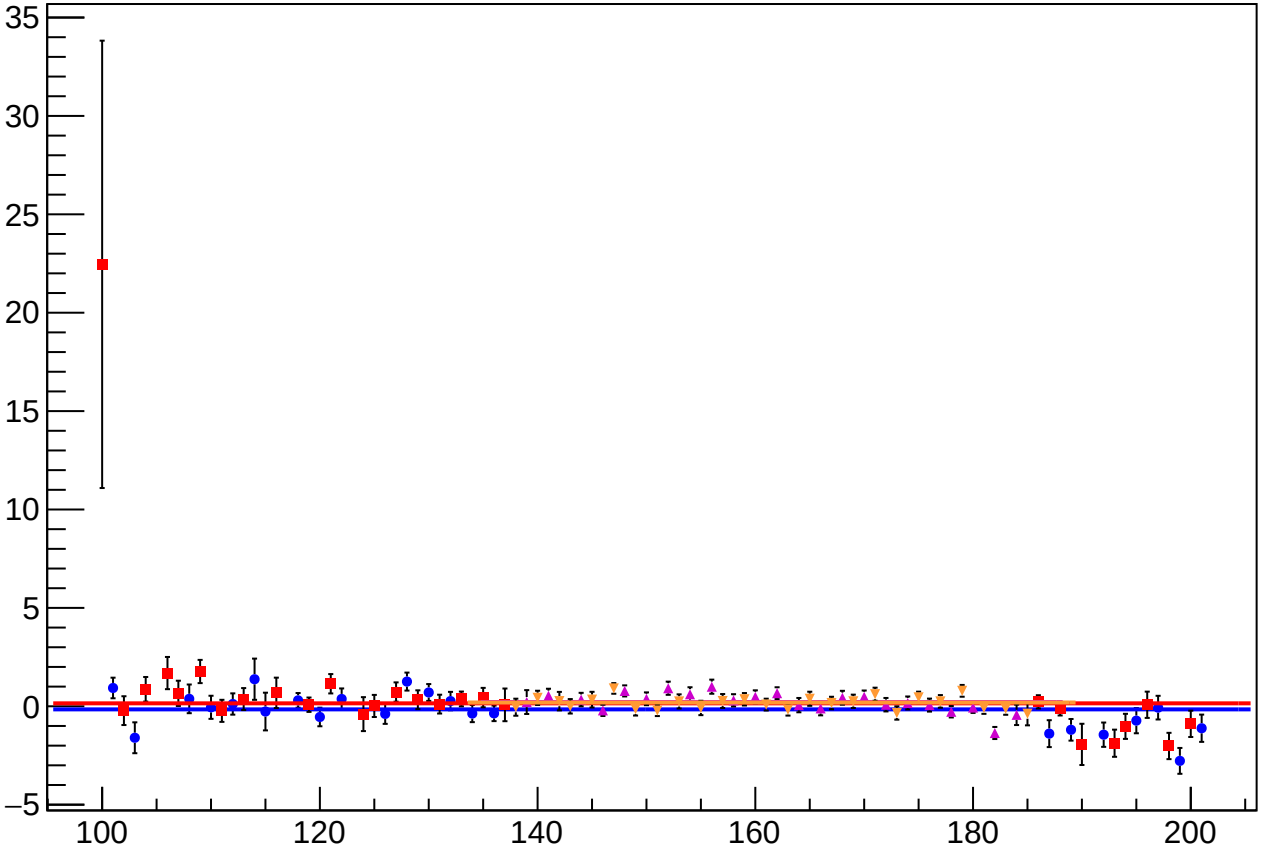
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.271+/-0.058 χ^2/NDF: 84.6/47

All: -0.329+/-0.039 χ^2/NDF: 281.6/97

- sign -0.378+/-0.053 χ^2/NDF: 195.1/49

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: 0.150+/-0.105 χ^2/NDF: 54.6/26

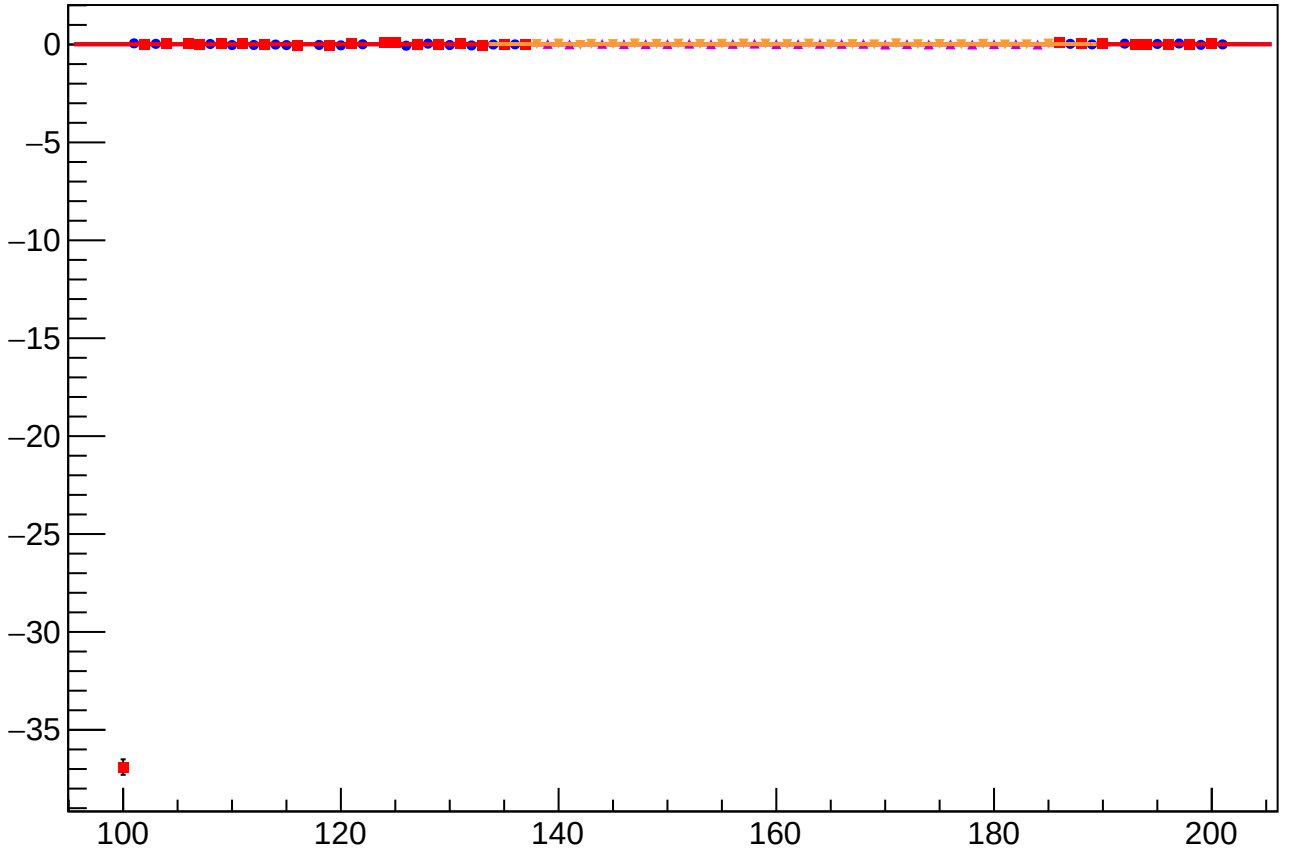
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.102+/-0.057 χ^2/NDF: 91.7/47

All: 0.148+/-0.041 χ^2/NDF: 203.0/97

- sign 0.195+/-0.058 χ^2/NDF: 109.9/49

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: 0.017+/-0.005 χ^2/NDF: 8777.6/26

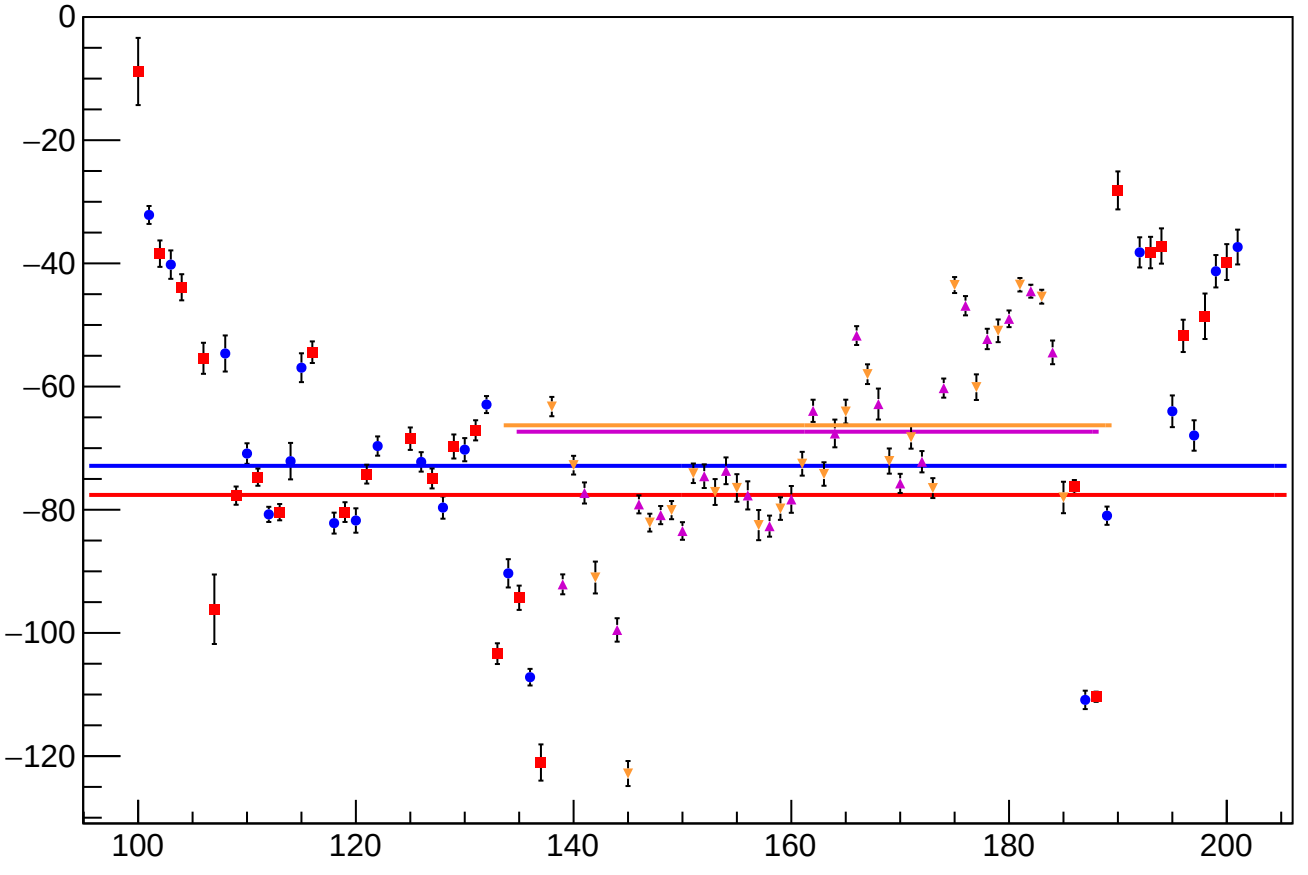
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.021+/-0.003 χ^2/NDF: 61.5/47

All: 0.022+/-0.002 χ^2/NDF: 8858.6/97

- sign 0.022+/-0.003 χ^2/NDF: 8797.0/49

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: -77.595+/-0.346 χ^2/NDF: 4223.8/25

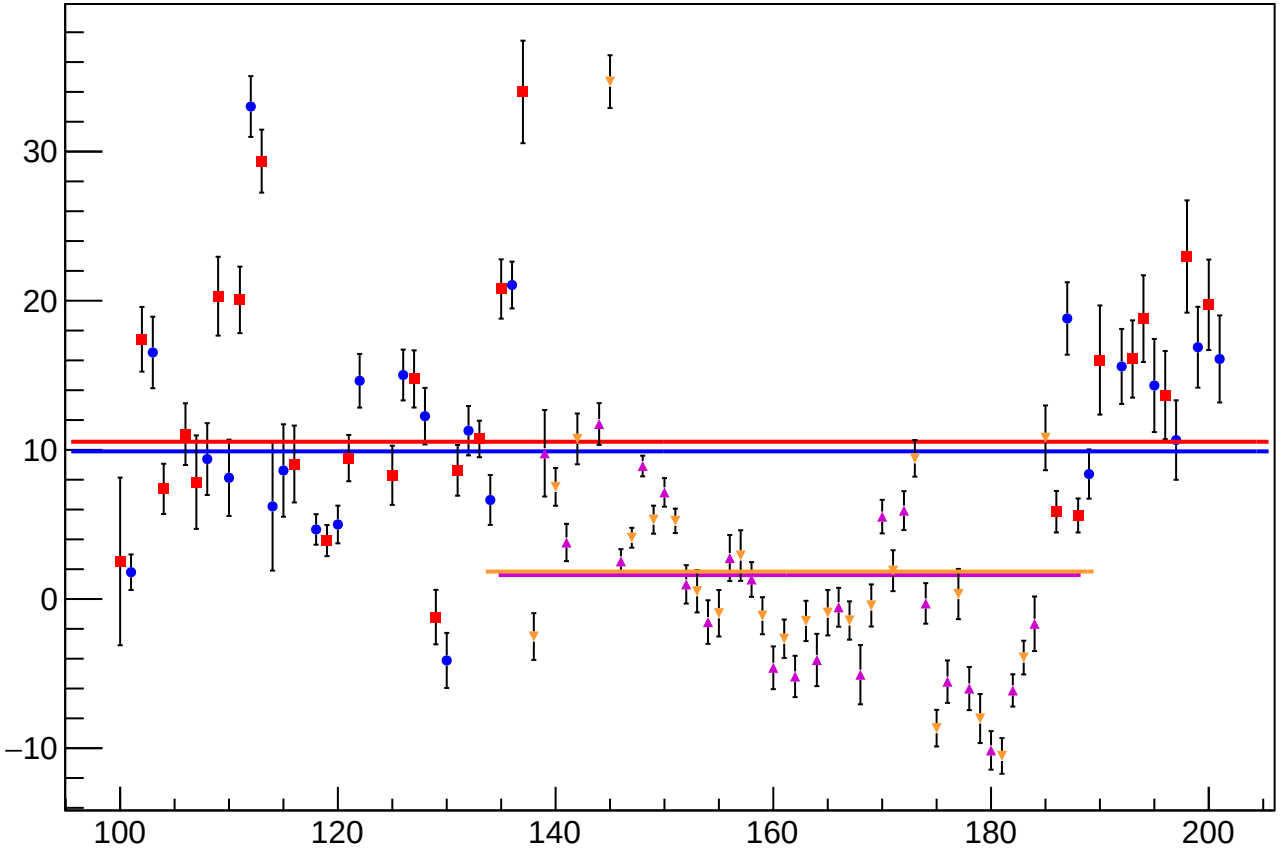
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.273+/-0.254 χ^2/NDF: 5850.0/46

All: -70.926+/-0.176 χ^2/NDF: 12699.1/95

- sign -72.454+/-0.244 χ^2/NDF: 6767.8/48

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: 10.545+/-0.376 χ^2/NDF: 357.1/25

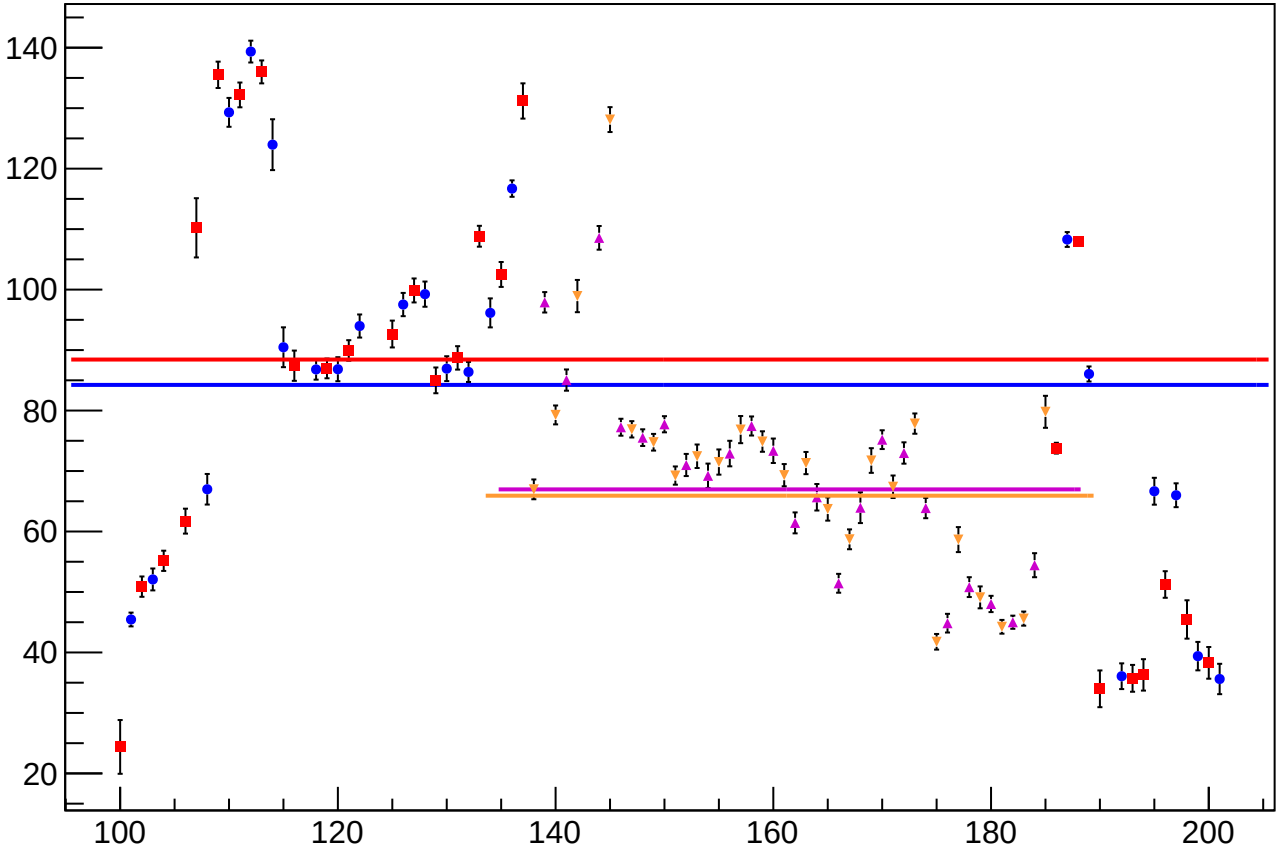
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.286+/-0.212 χ^2/NDF: 1473.4/46

All: 4.381+/-0.150 χ^2/NDF: 2711.9/95

- sign 4.476+/-0.213 χ^2/NDF: 1238.1/48

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: 88.434+/-0.339 χ^2/NDF: 6536.6/25

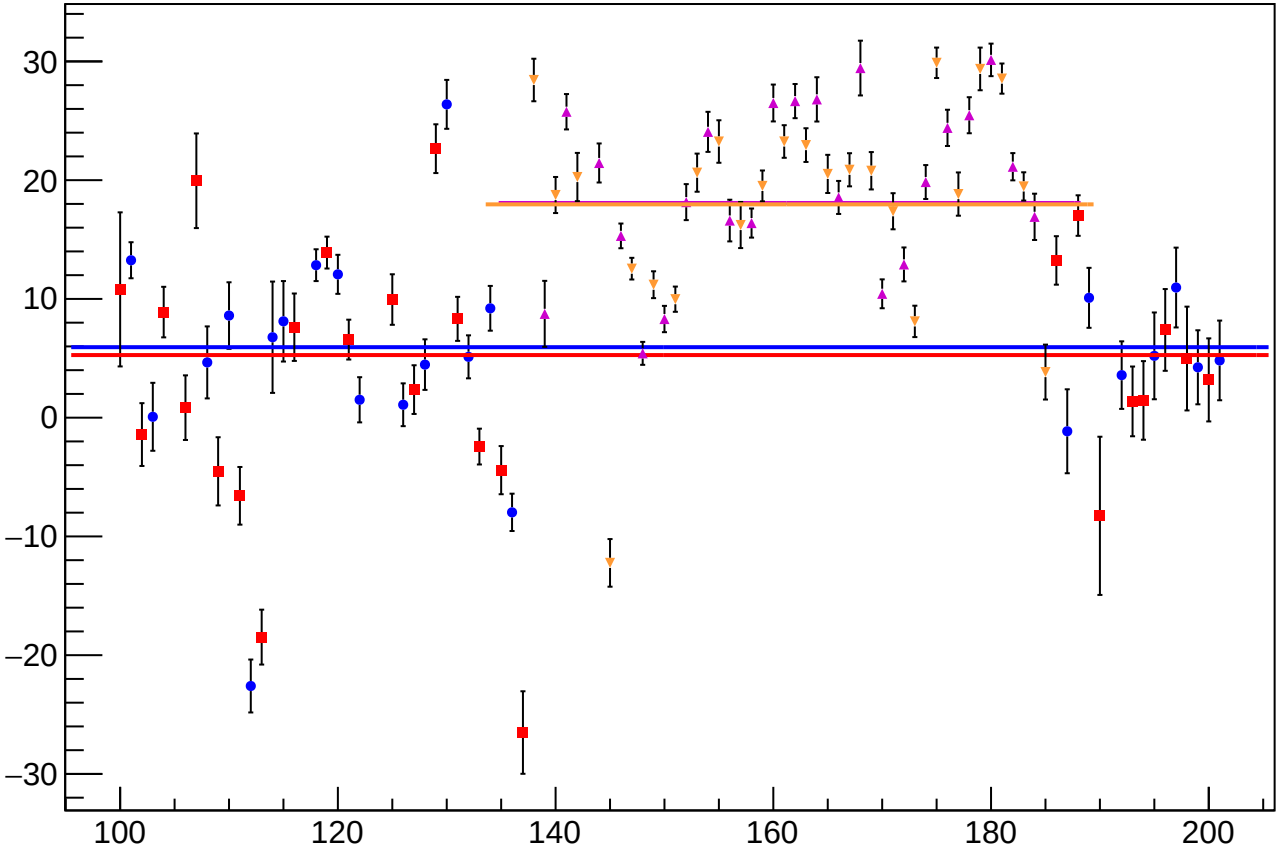
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 74.054+/-0.254 χ^2/NDF: 9255.3/46

All: 76.013+/-0.175 χ^2/NDF: 20118.9/95

- sign 77.770+/-0.240 χ^2/NDF: 10750.7/48

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: 5.272+/-0.453 χ^2/NDF: 494.4/25

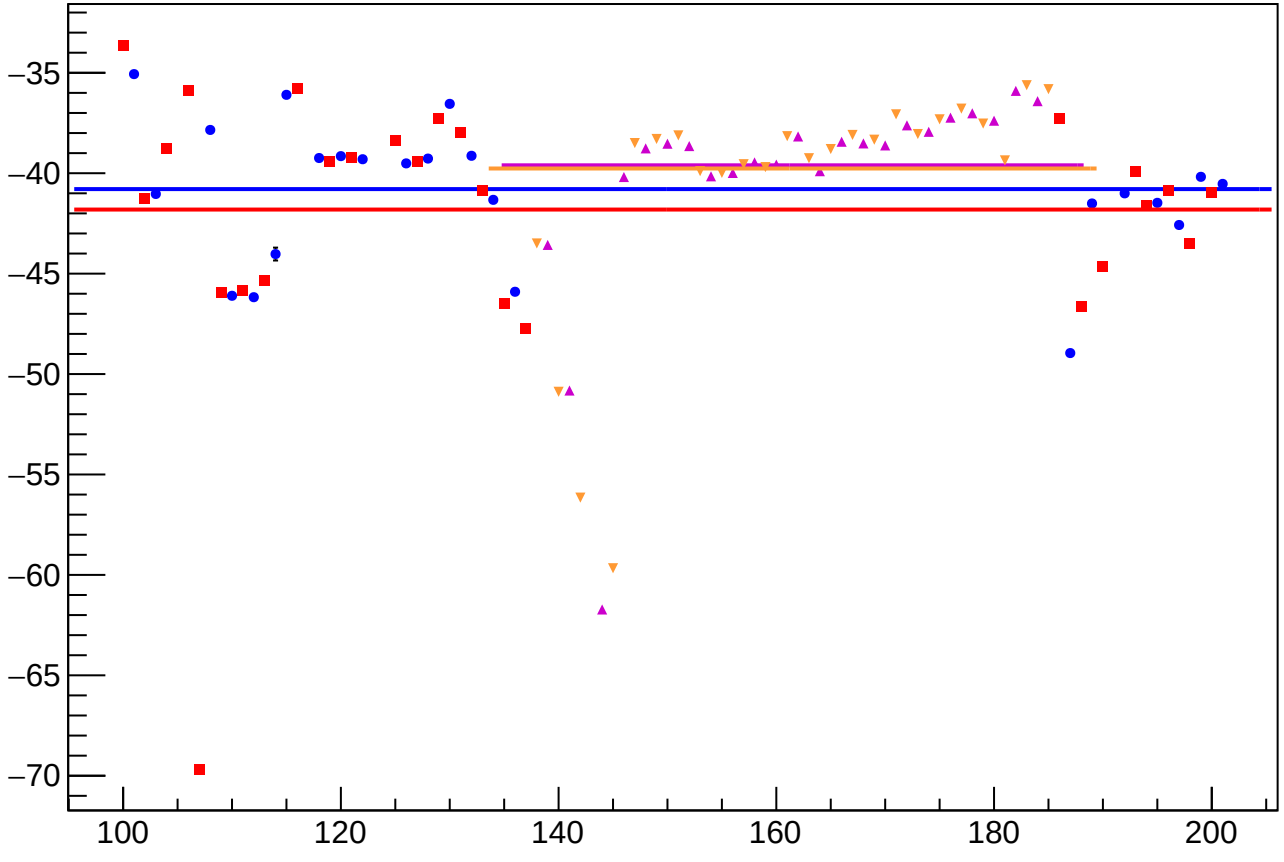
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.470+/-0.246 χ^2/NDF: 1661.8/46

All: 14.367+/-0.174 χ^2/NDF: 3323.8/95

- sign 14.263+/-0.247 χ^2/NDF: 1661.6/48

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: -41.809+/-0.023 χ^2/NDF: 41698.5/25

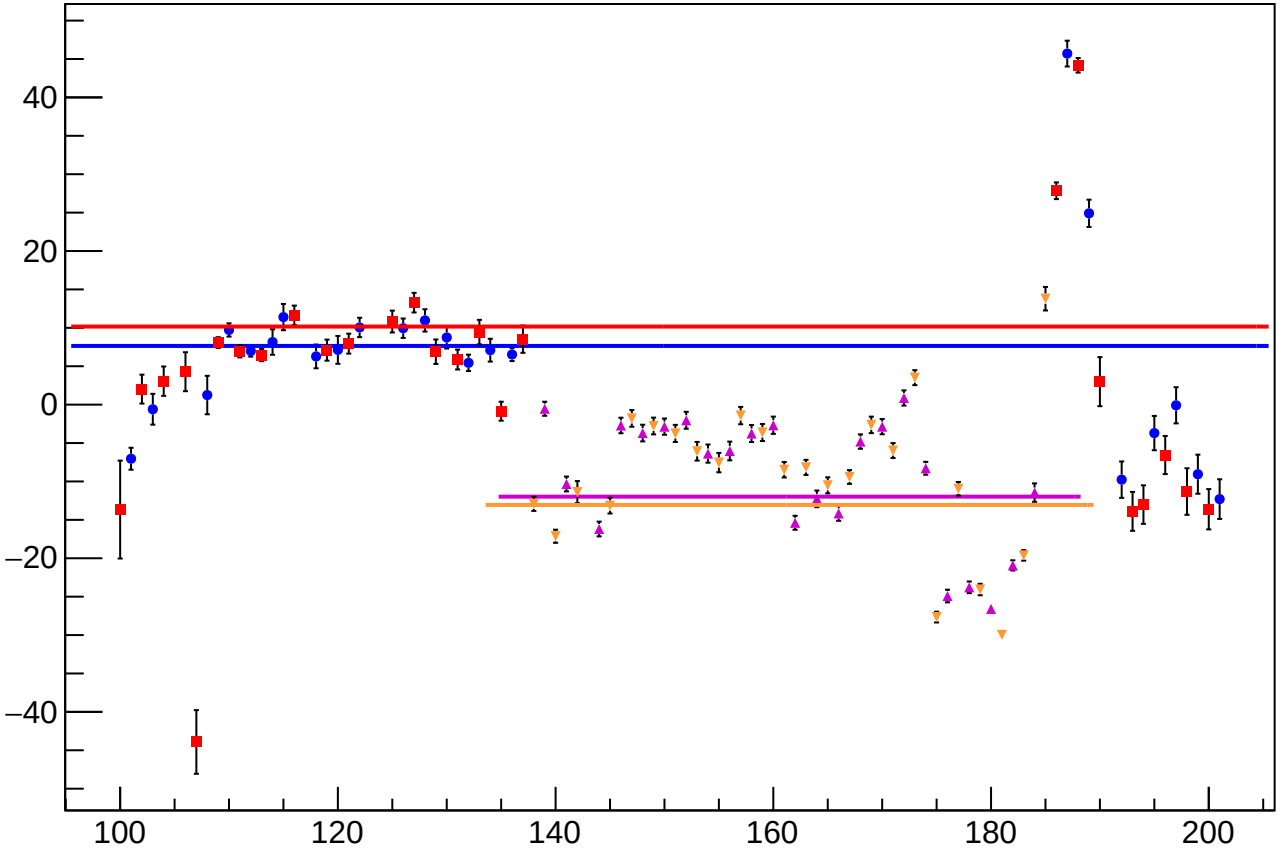
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -40.024+/-0.012 χ^2/NDF: 151686.7/46

All: -40.088+/-0.008 χ^2/NDF: 306803.0/95

- sign -40.152+/-0.012 χ^2/NDF: 155056.3/48

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: 10.165+/-0.267 χ^2/NDF: 2284.4/25

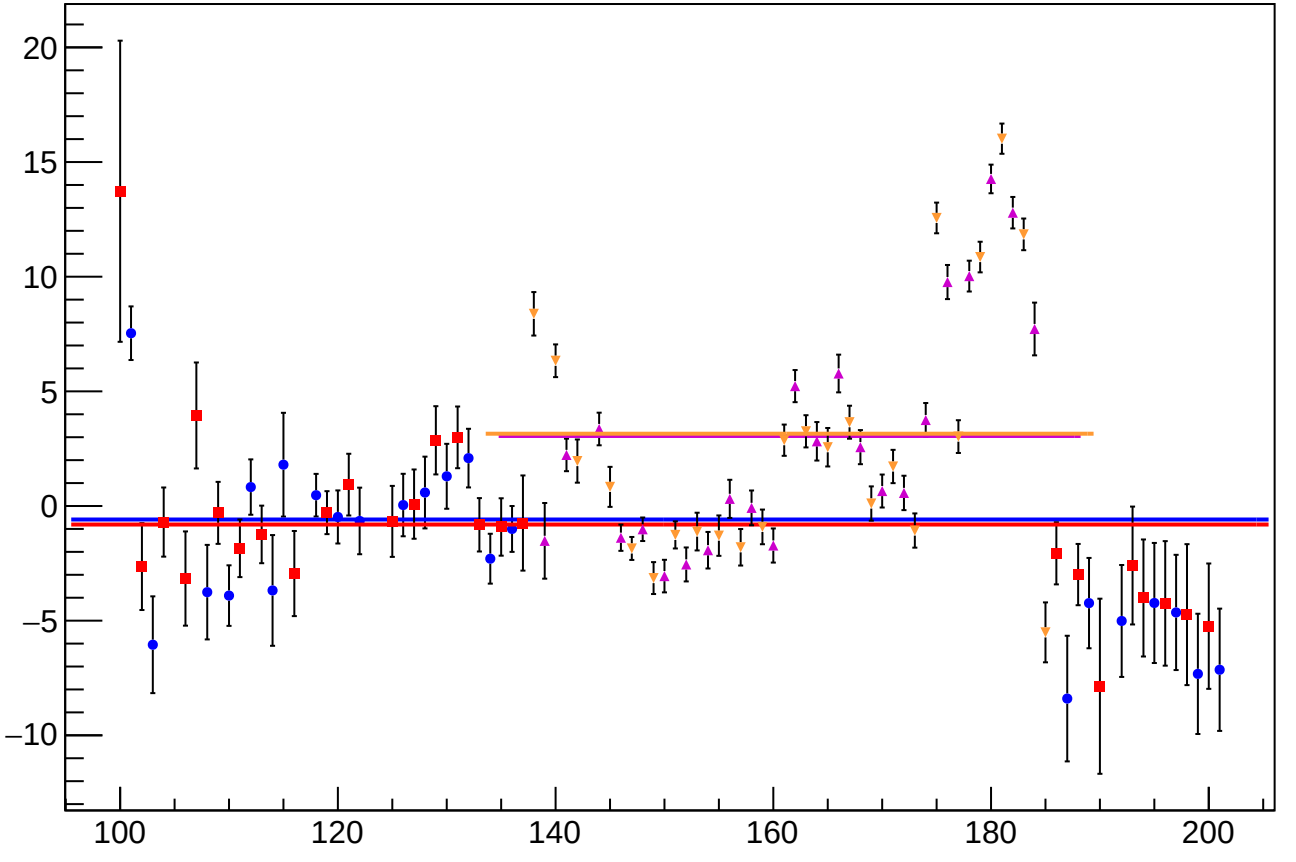
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

\+ sign -6.674+/-0.160 χ^2/NDF: 7382.1/46

All: -5.442+/-0.112 χ^2/NDF: 16437.5/95

\- sign -4.250+/-0.158 χ^2/NDF: 8939.2/48

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: -0.808+/-0.312 χ^2/NDF: 45.0/25

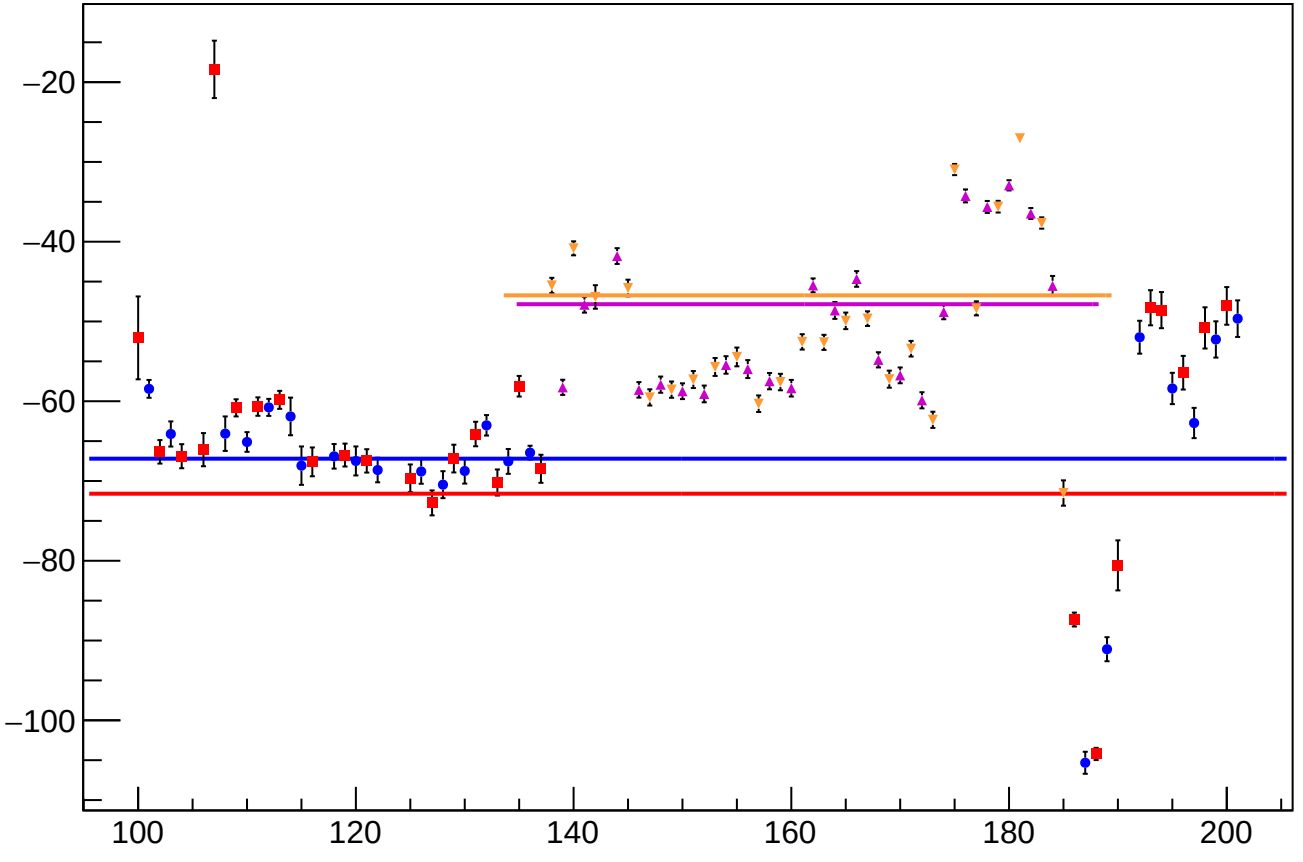
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.458+/-0.135 χ^2/NDF: 1612.6/46

All: 2.387+/-0.096 χ^2/NDF: 2927.2/95

- sign 2.313+/-0.137 χ^2/NDF: 1314.0/48

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: -71.592+/-0.291 χ^2/NDF: 3310.0/25

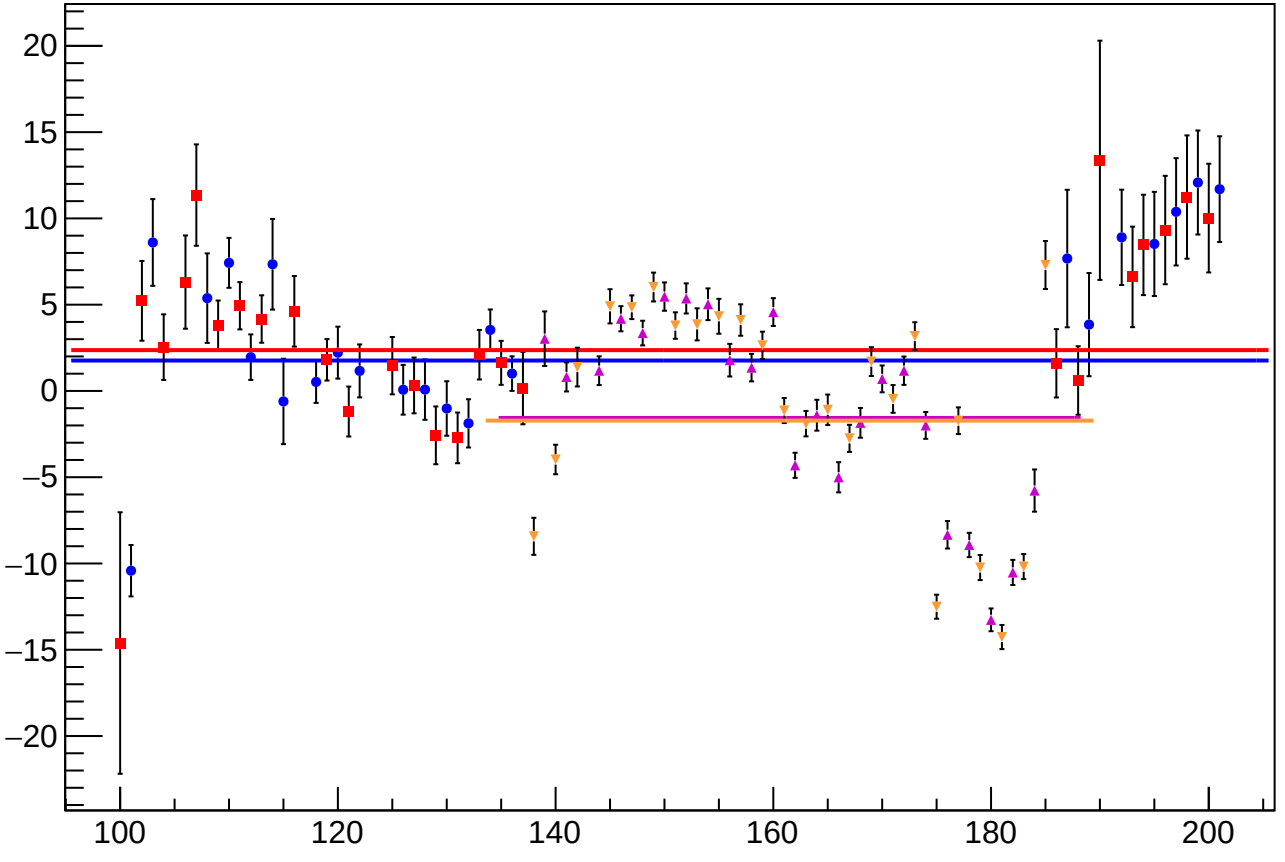
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.261+/-0.164 χ^2/NDF: 7860.5/46

All: -53.711+/-0.115 χ^2/NDF: 18489.9/95

- sign -55.122+/-0.161 χ^2/NDF: 10474.5/48

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: 2.366+/-0.362 χ^2/NDF: 82.8/25

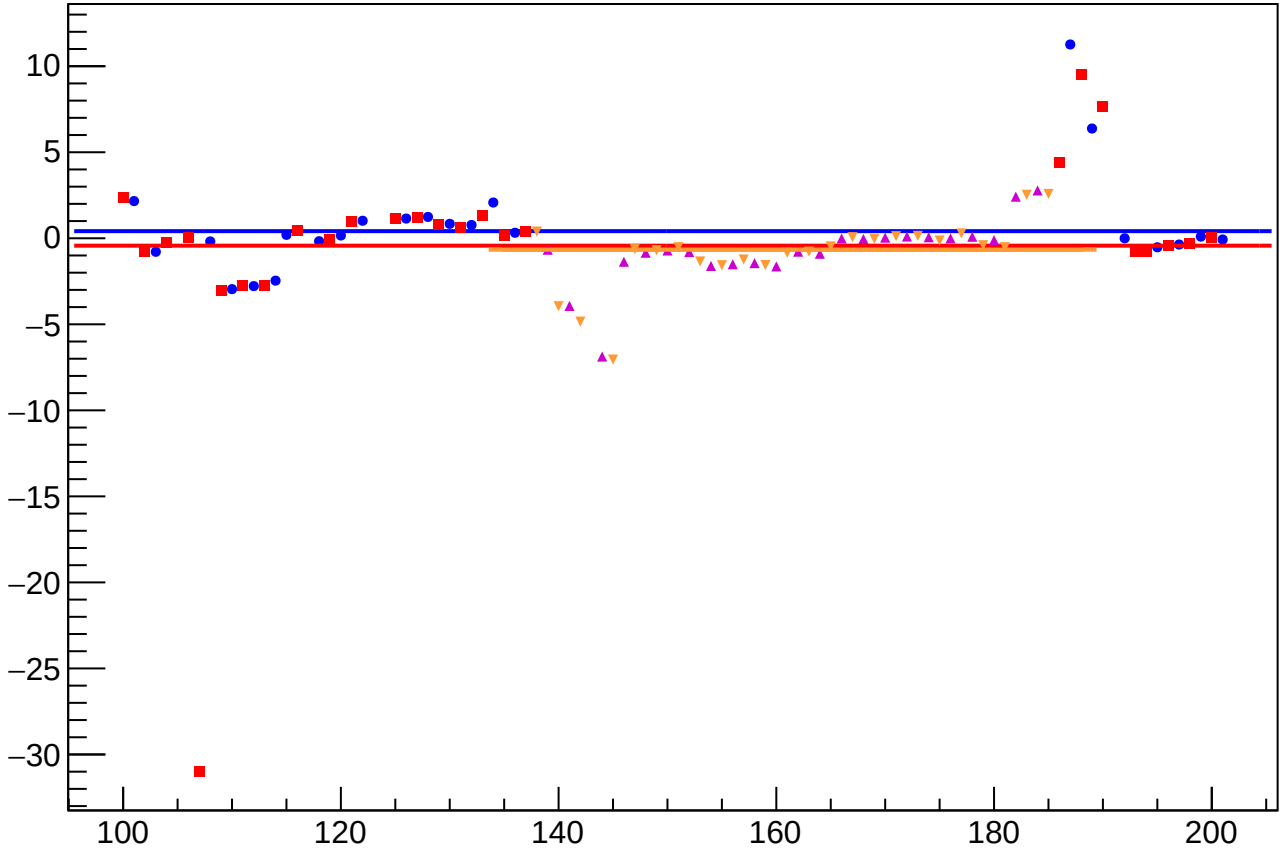
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.090+/-0.152 χ^2/NDF: 1641.4/46

All: -0.973+/-0.108 χ^2/NDF: 2939.7/95

- sign -0.852+/-0.154 χ^2/NDF: 1297.0/48

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: -0.430+/-0.019 χ^2/NDF: 59969.5/25

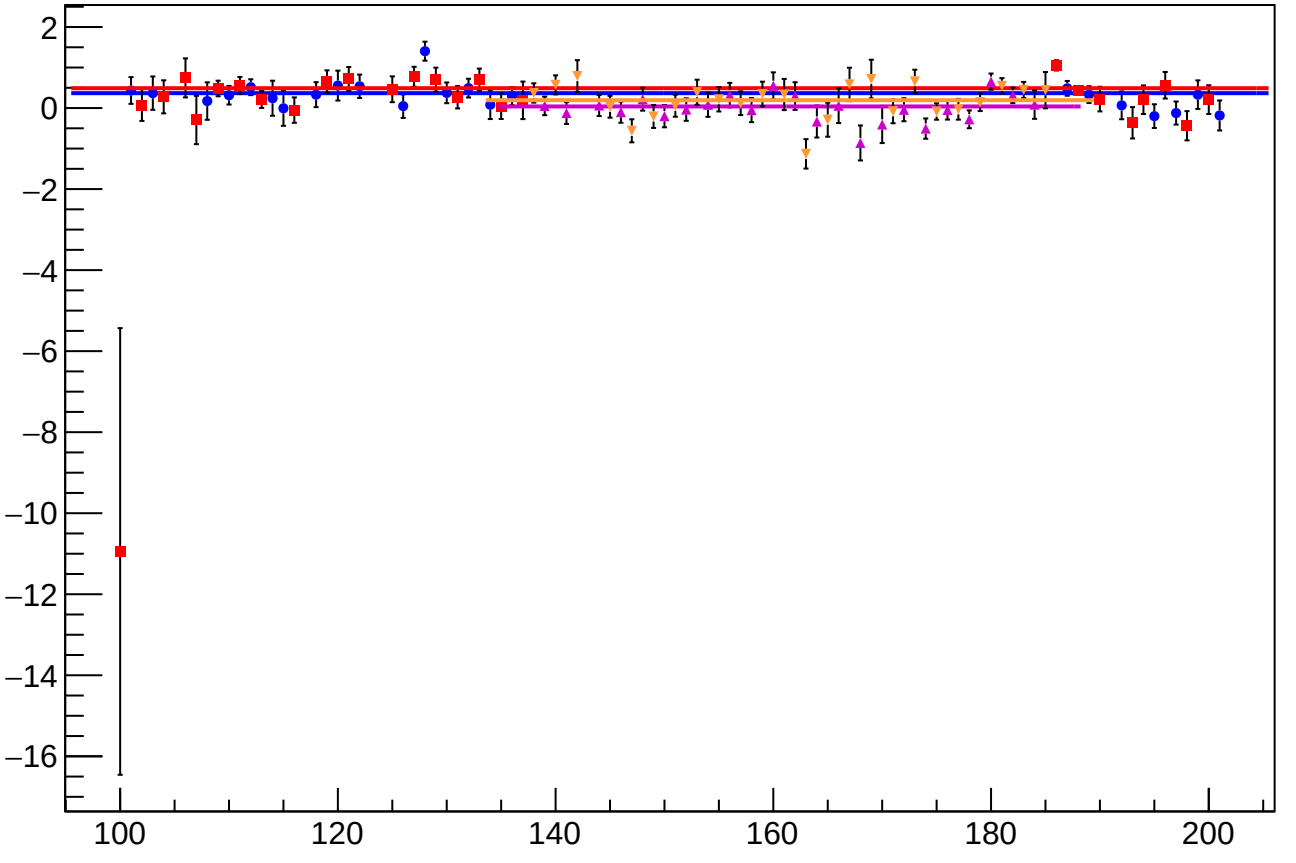
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.512+/-0.007 χ^2/NDF: 67886.4/46

All: -0.564+/-0.005 χ^2/NDF: 173650.6/95

- sign -0.617+/-0.007 χ^2/NDF: 105651.6/48

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: 0.490+/-0.049 χ^2/NDF: 52.8/25

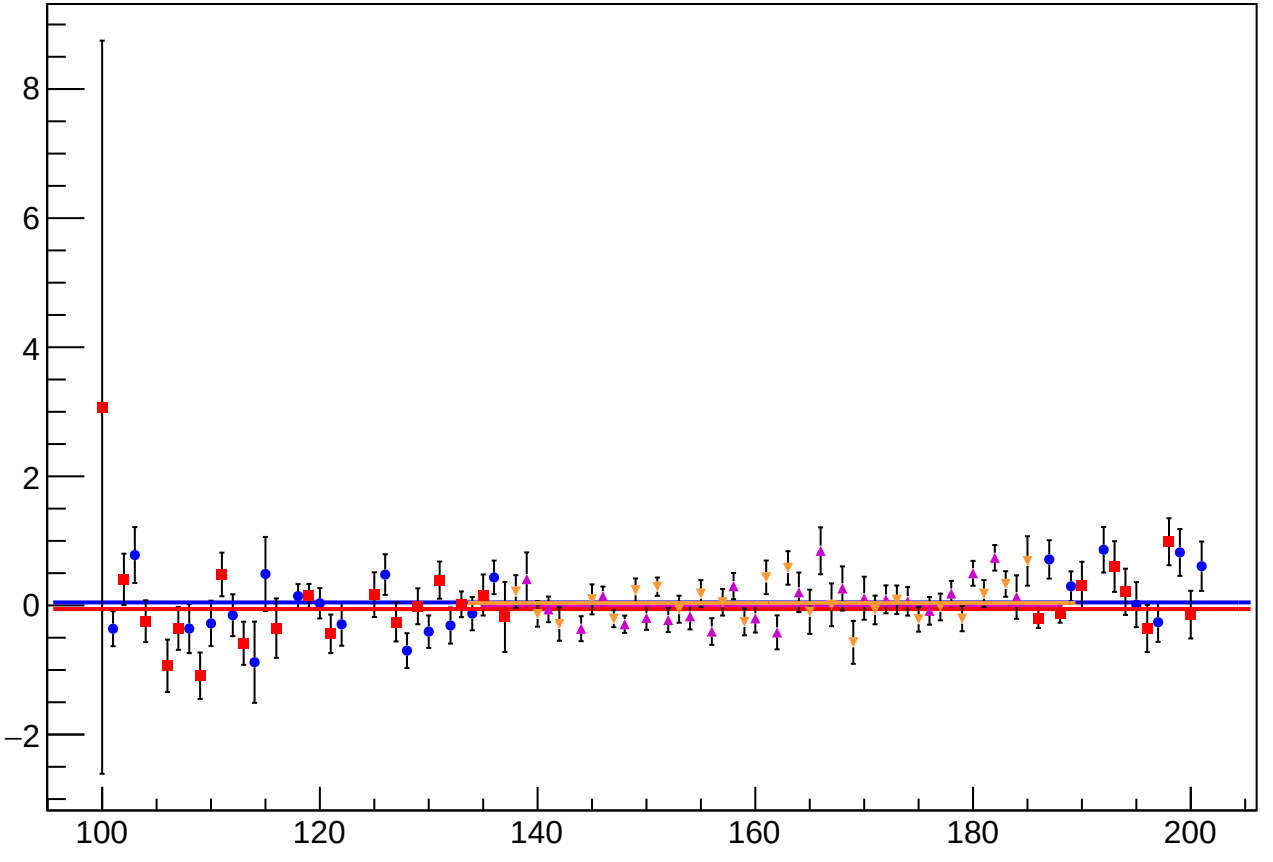
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.279+/-0.041 χ^2/NDF: 83.0/46

All: 0.290+/-0.028 χ^2/NDF: 201.8/95

- sign 0.299+/-0.037 χ^2/NDF: 118.6/48

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: -0.056+/-0.056 χ^2/NDF: 42.3/25

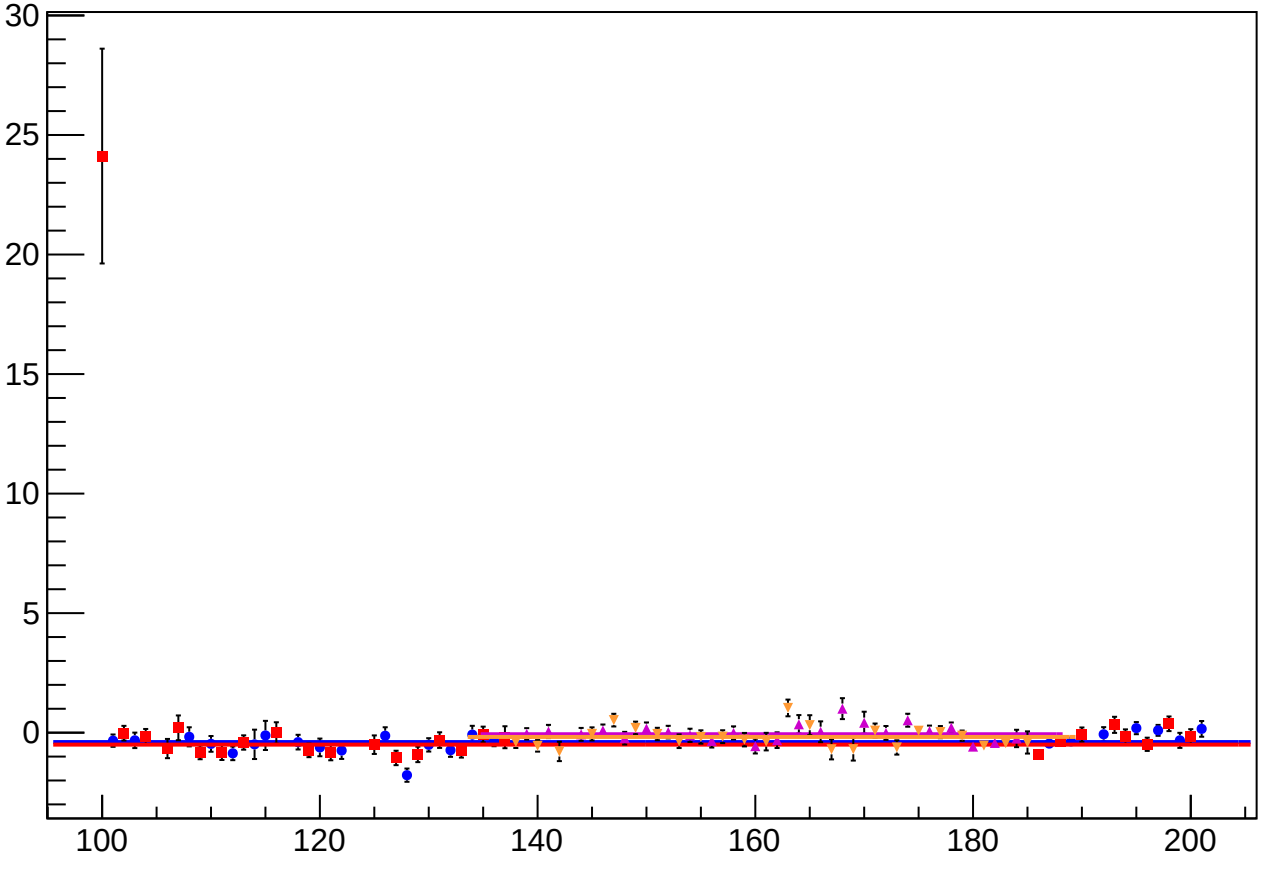
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.041+/-0.036 χ^2/NDF: 80.7/46

All: 0.012+/-0.025 χ^2/NDF: 176.5/95

- sign -0.016+/-0.035 χ^2/NDF: 94.5/48

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: -0.500+/-0.047 χ^2/NDF: 84.5/25

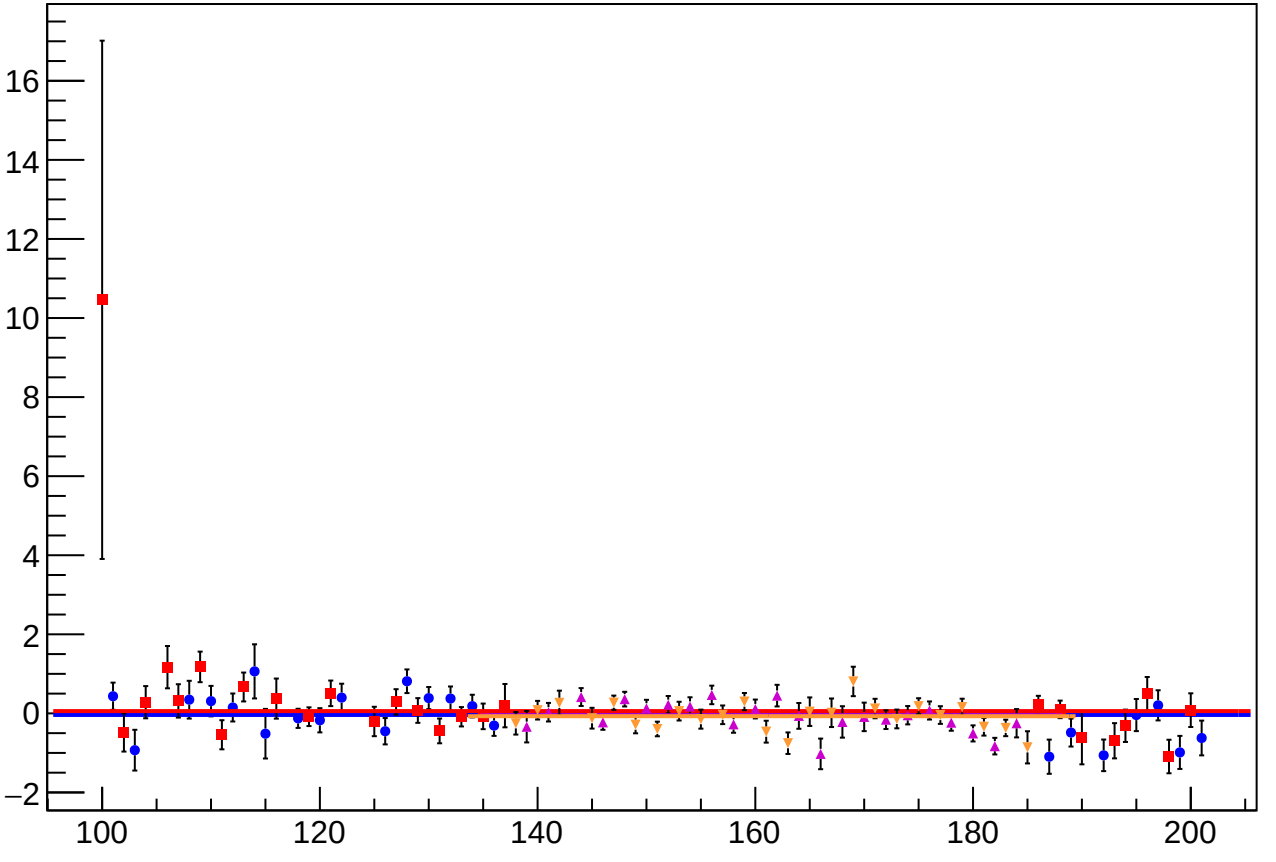
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.283+/-0.040 χ^2/NDF: 96.0/46

All: -0.306+/-0.027 χ^2/NDF: 247.2/95

- sign -0.325+/-0.036 χ^2/NDF: 150.6/48

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: 0.058+/-0.069 χ^2/NDF: 43.0/25

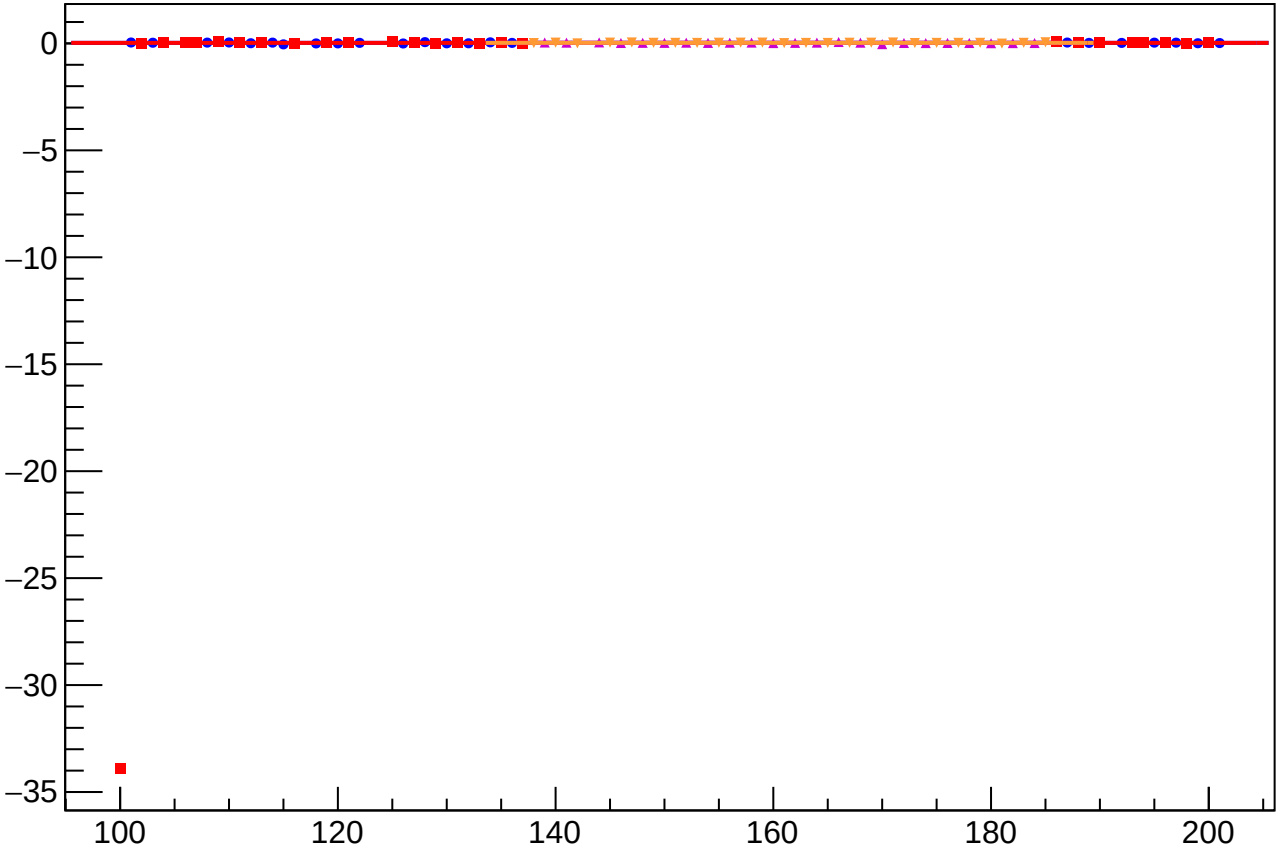
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.062+/-0.041 χ^2/NDF: 86.4/46

All: -0.036+/-0.029 χ^2/NDF: 182.1/95

- sign -0.011+/-0.041 χ^2/NDF: 95.0/48

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: 0.024+/-0.003 χ^2/NDF: 22306.6/25

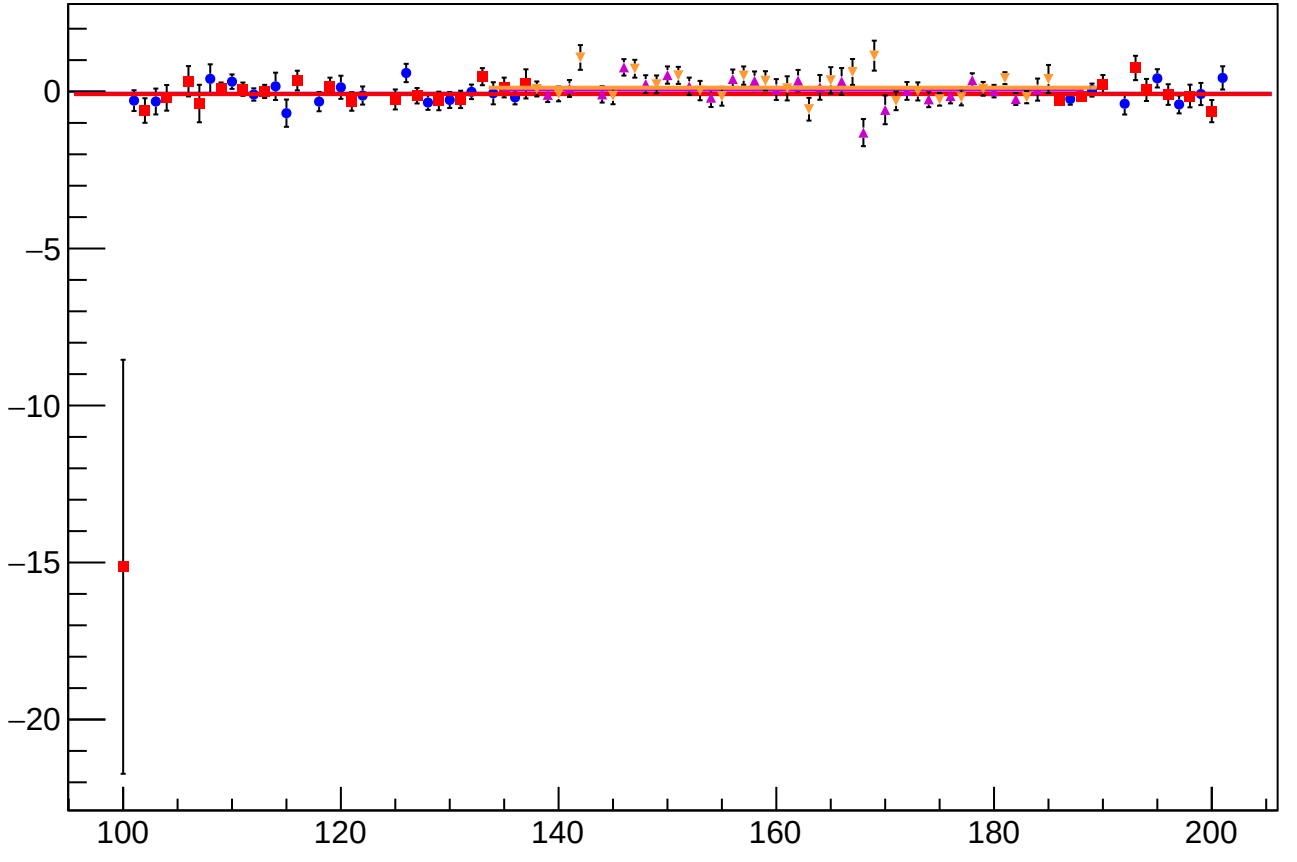
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 50.6/46

All: 0.026+/-0.001 χ^2/NDF: 22397.0/95

- sign 0.026+/-0.002 χ^2/NDF: 22346.3/48

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: -0.083+/-0.049 χ^2/NDF: 30.9/25

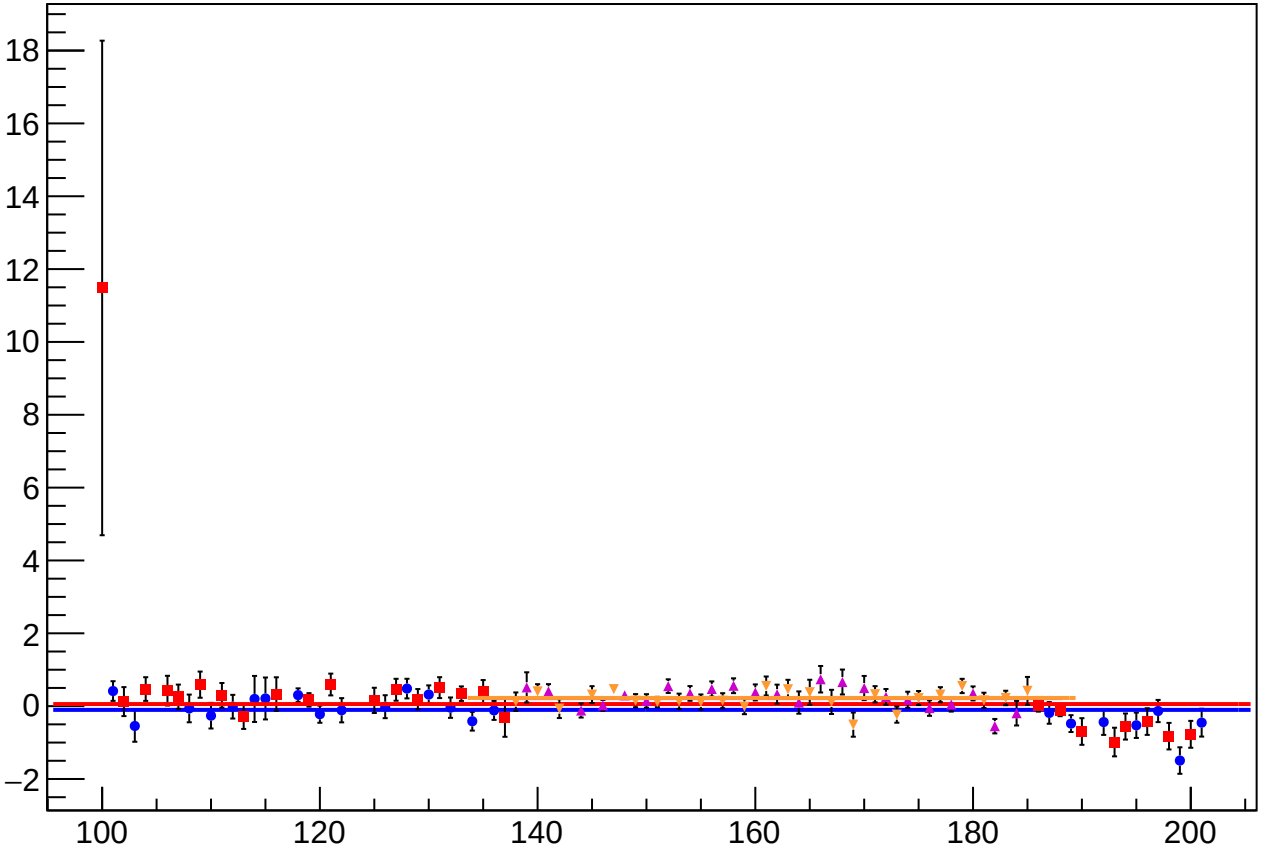
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.028+/-0.041 χ^2/NDF: 68.9/46

All: 0.001+/-0.028 χ^2/NDF: 138.6/95

- sign -0.021+/-0.037 χ^2/NDF: 68.9/48

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

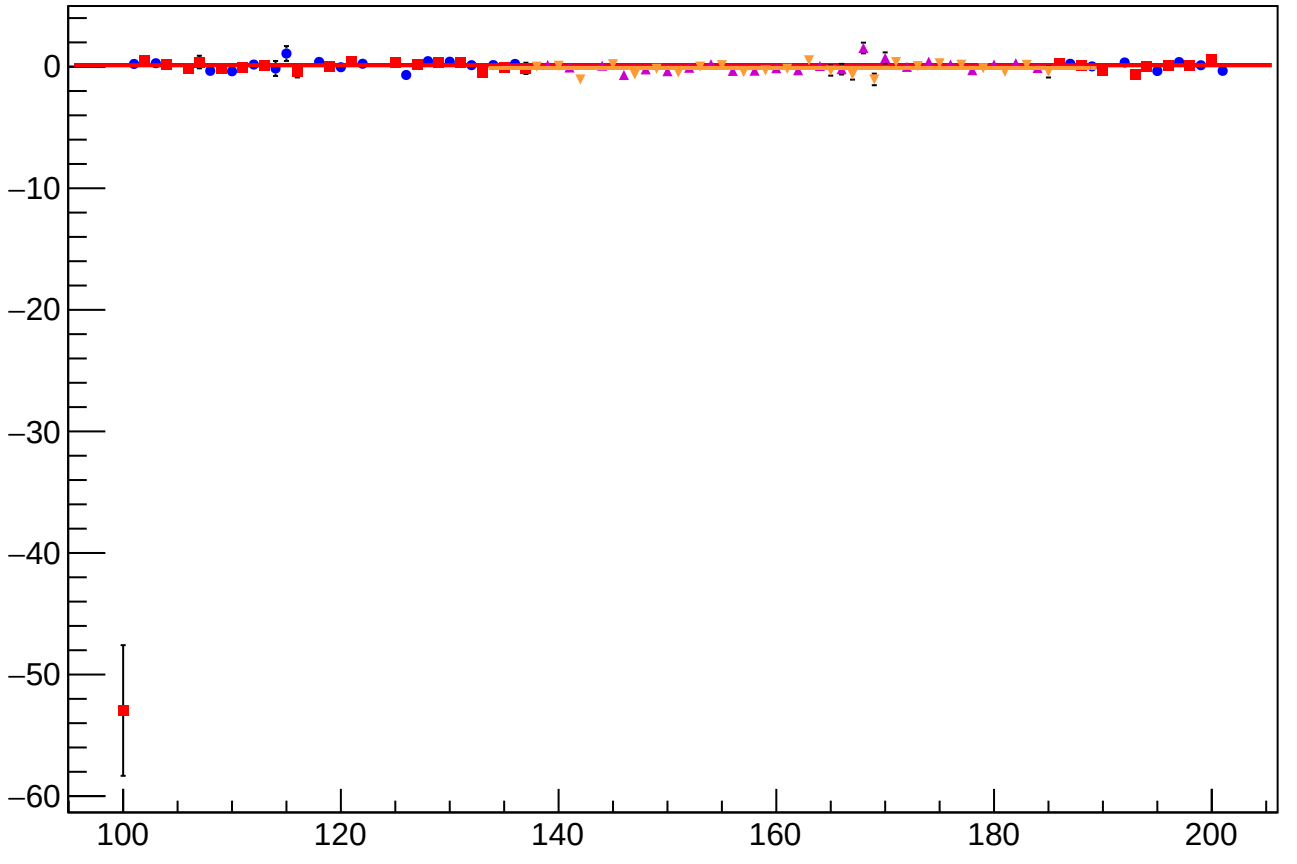
Right Out: 0.057+/-0.056 χ^2/NDF: 50.1/25

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.118+/-0.036 χ^2/NDF: 83.1/46

All: 0.139+/-0.025 χ^2/NDF: 178.4/95

- sign 0.159+/-0.035 χ^2/NDF: 94.6/48



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: 0.122+/-0.047 χ^2/NDF: 120.4/25

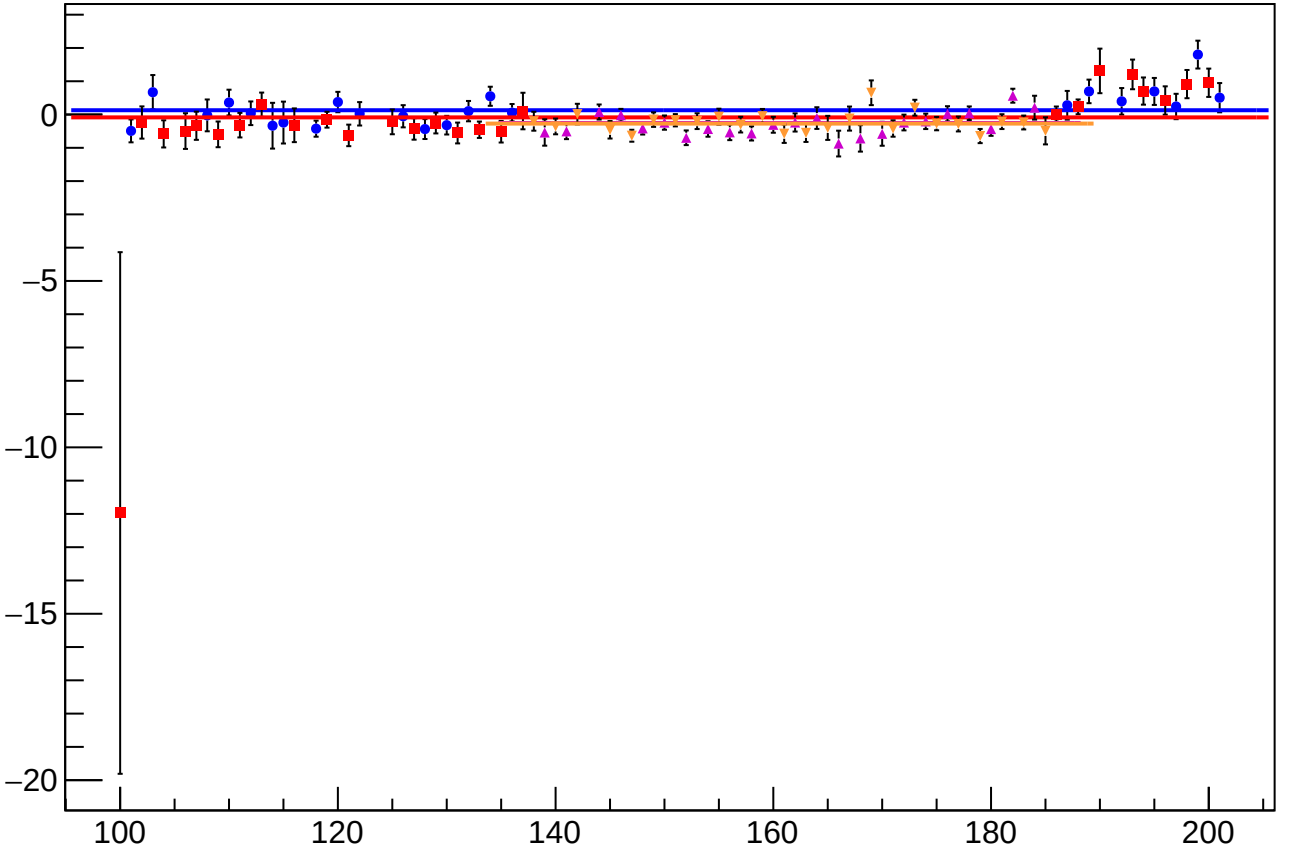
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.010+/-0.040 χ^2/NDF: 70.3/46

All: 0.043+/-0.027 χ^2/NDF: 233.0/95

- sign 0.069+/-0.036 χ^2/NDF: 161.6/48

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: -0.086+/-0.069 χ^2/NDF: 50.8/25

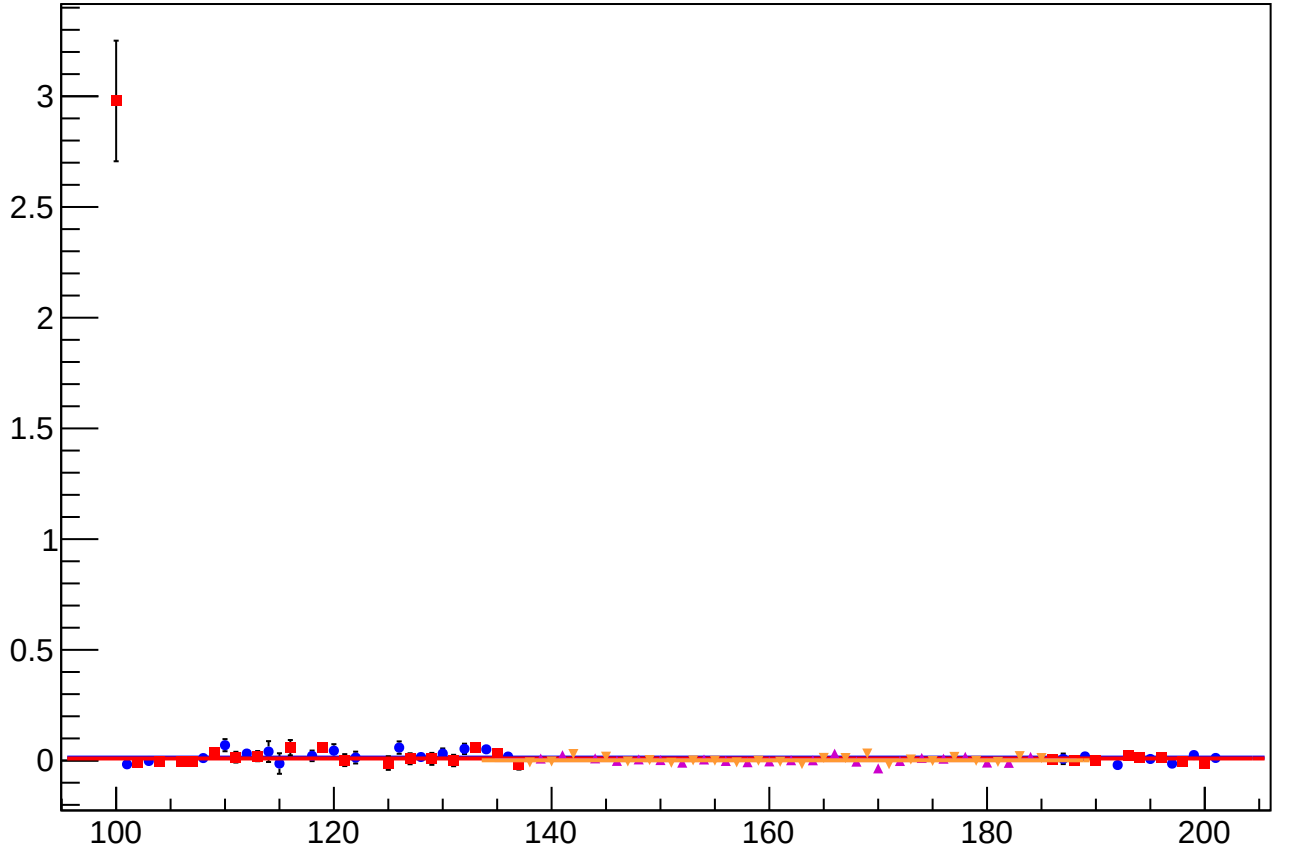
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.147+/-0.041 χ^2/NDF: 87.7/46

All: -0.172+/-0.029 χ^2/NDF: 183.7/95

- sign -0.196+/-0.041 χ^2/NDF: 95.3/48

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: 148.7/25

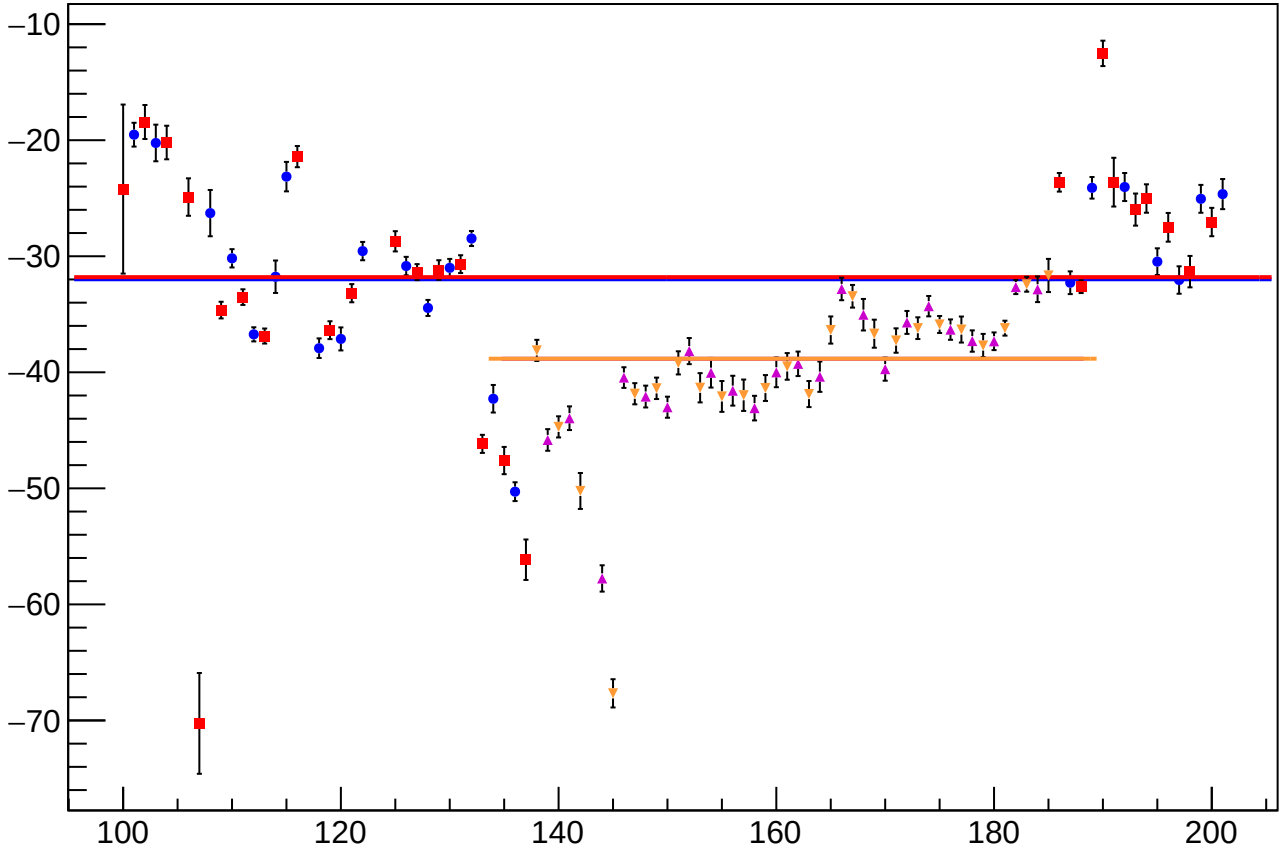
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 73.3/46

All: 0.005+/-0.001 χ^2/NDF: 249.8/95

- sign 0.004+/-0.002 χ^2/NDF: 176.4/48

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: -31.802+/-0.181 χ^2/NDF: 1736.2/26

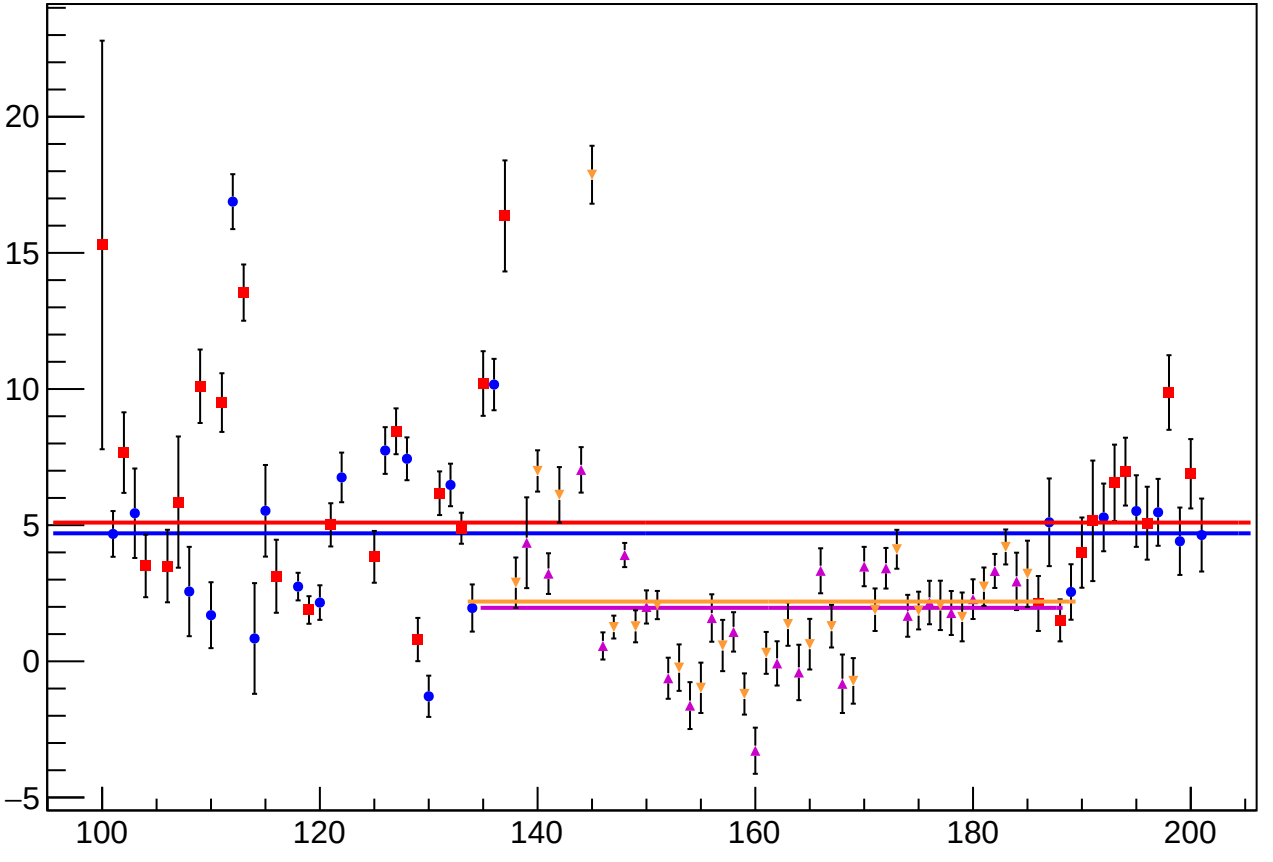
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

\+ sign -35.259+/-0.140 χ^2/NDF: 2740.3/46

All: -35.076+/-0.097 χ^2/NDF: 5802.0/96

\- sign -34.904+/-0.135 χ^2/NDF: 3058.4/49

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: 5.095+/-0.195 χ^2/NDF: 294.3/26

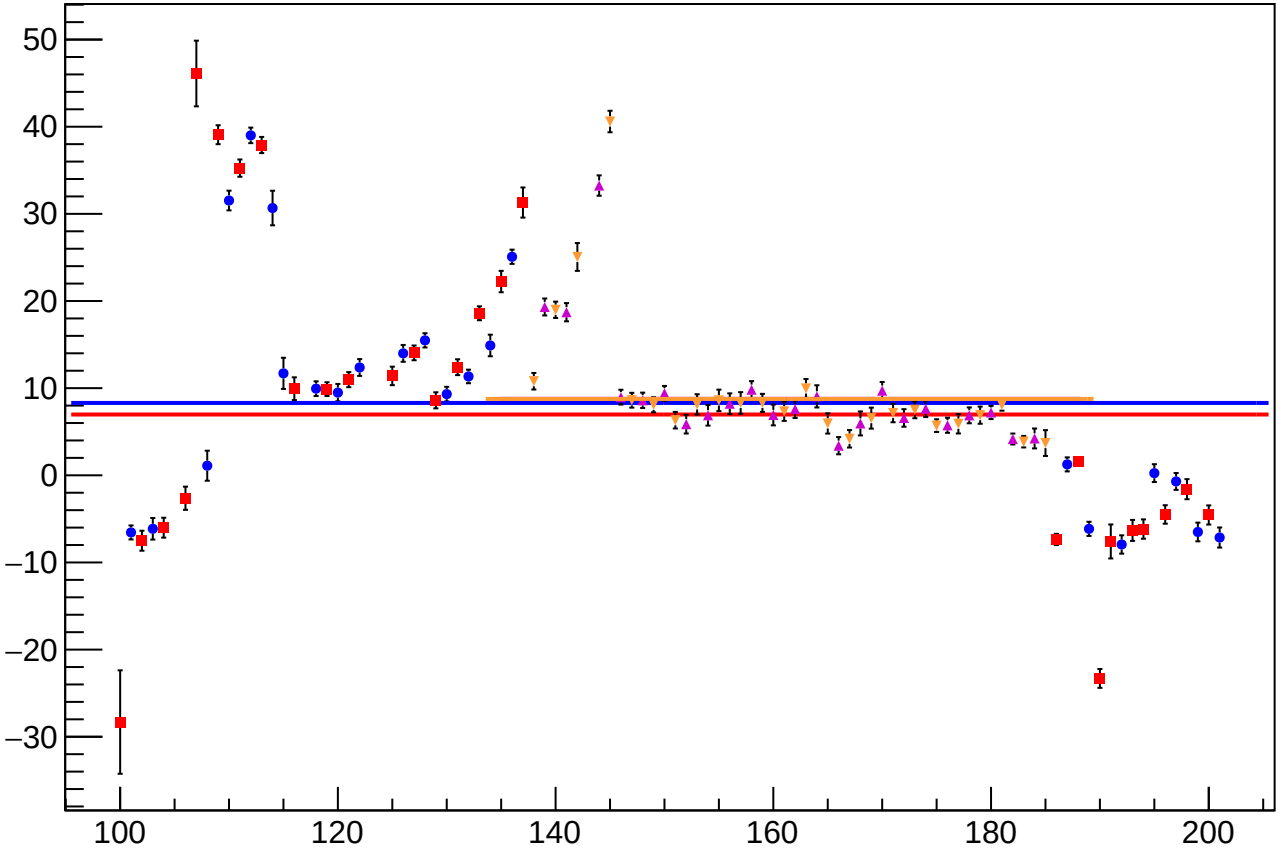
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.120+/-0.121 χ^2/NDF: 800.4/46

All: 3.148+/-0.086 χ^2/NDF: 1426.5/96

- sign 3.176+/-0.121 χ^2/NDF: 626.1/49

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: 6.976+/-0.187 χ^2/NDF: 6047.4/26

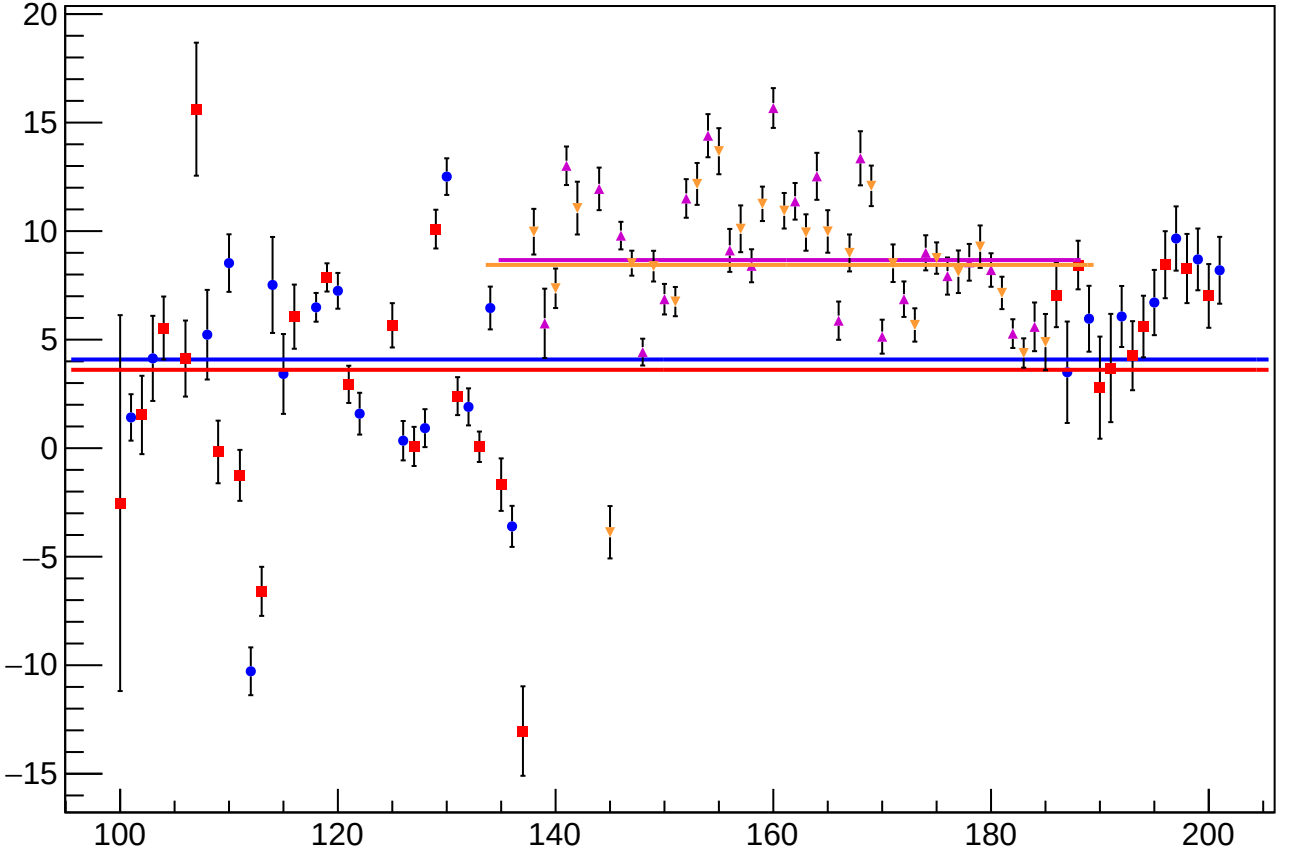
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 8.539+/-0.143 χ^2/NDF: 5022.9/46

All: 8.159+/-0.099 χ^2/NDF: 11921.7/96

- sign 7.808+/-0.137 χ^2/NDF: 6885.2/49

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: 3.610+/-0.230 χ^2/NDF: 404.8/26

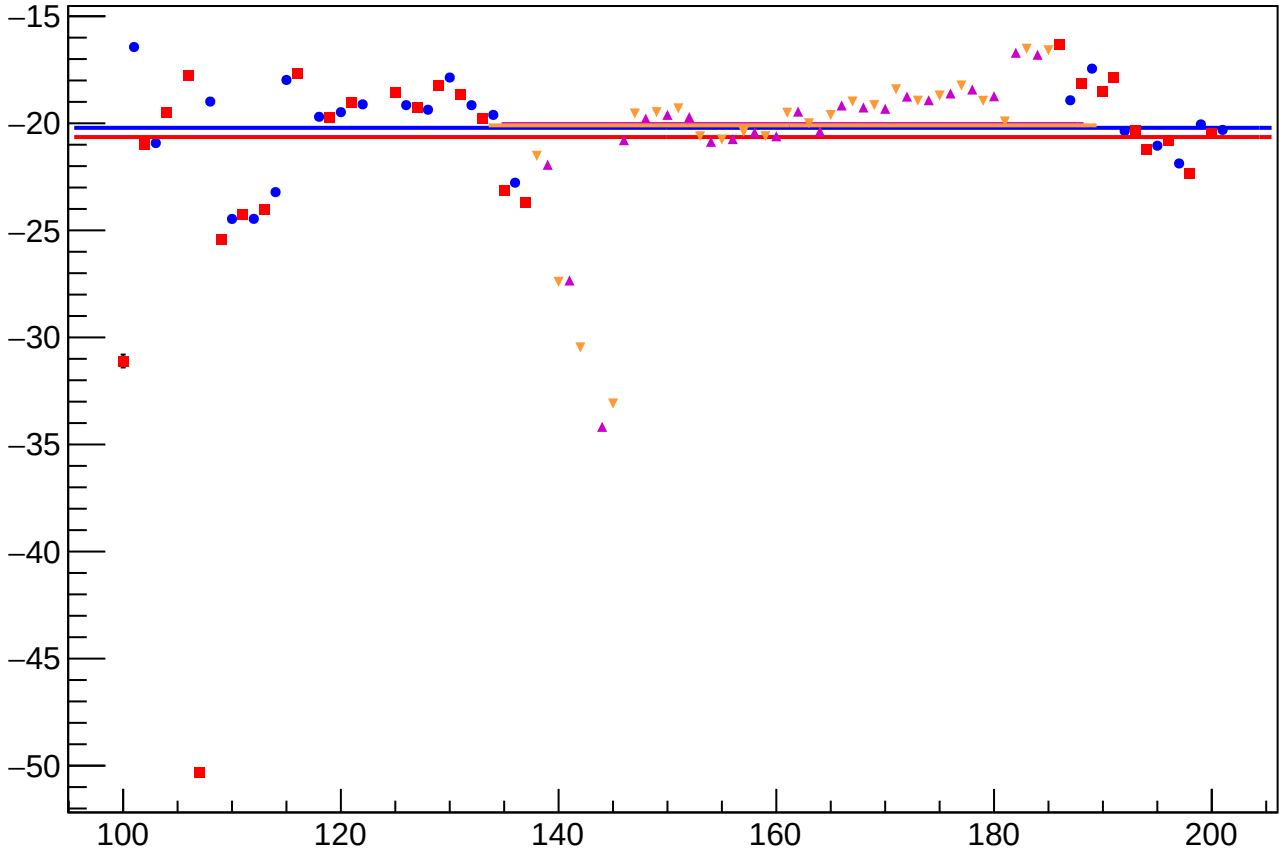
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

+ sign 6.885+/-0.139 χ^2/NDF: 961.3/46

All: 6.845+/-0.099 χ^2/NDF: 1976.1/96

- sign 6.805+/-0.140 χ^2/NDF: 1014.6/49

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: -20.642+/-0.012 χ^2/NDF: 66221.3/26

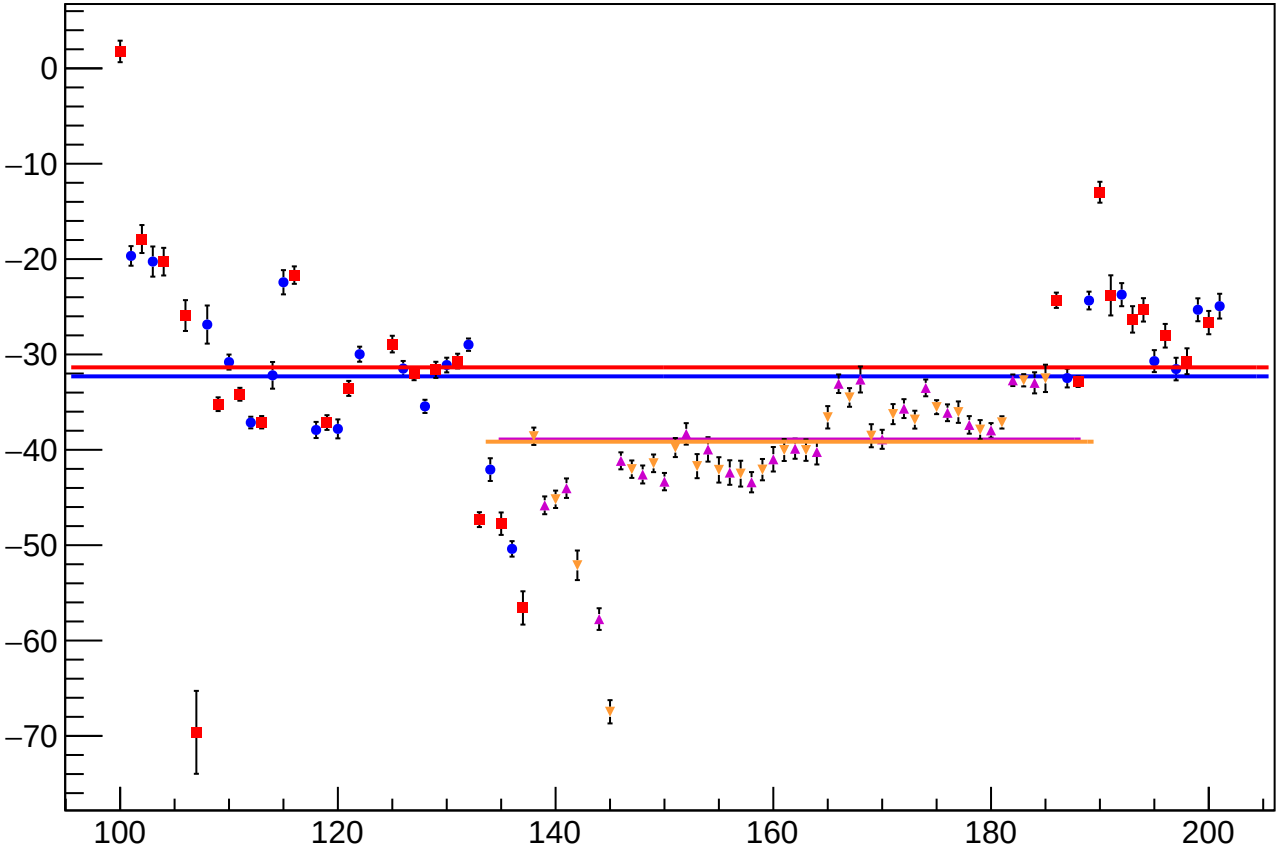
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.131+/-0.007 χ^2/NDF: 183121.5/46

All: -20.177+/-0.005 χ^2/NDF: 383519.5/96

- sign -20.222+/-0.007 χ^2/NDF: 200302.9/49

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: -31.353+/-0.179 χ^2/NDF: 2663.2/26

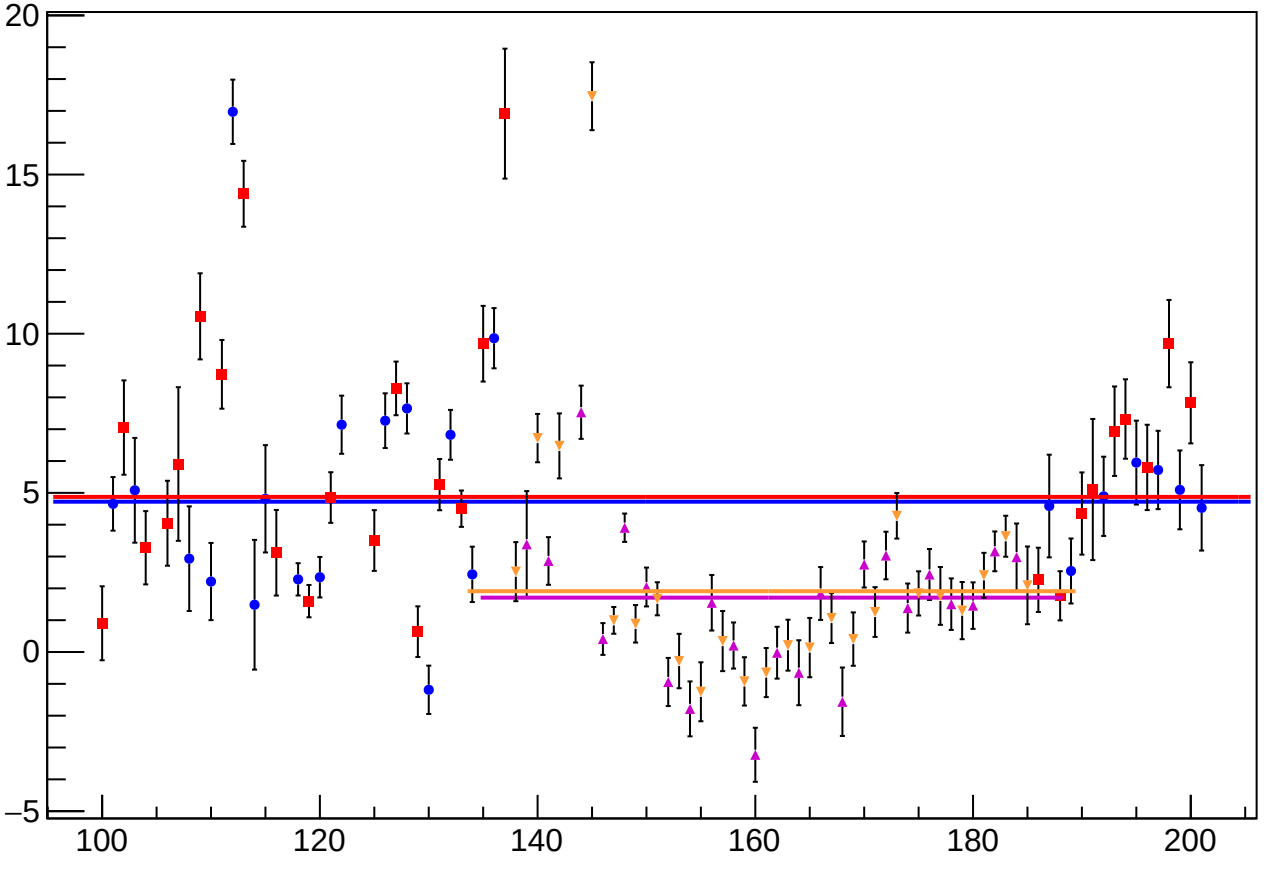
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -35.577+/-0.140 χ^2/NDF: 2727.1/46

All: -35.091+/-0.097 χ^2/NDF: 6877.4/96

- sign -34.644+/-0.134 χ^2/NDF: 4127.2/49

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: 4.873+/-0.192 χ^2/NDF: 320.3/26

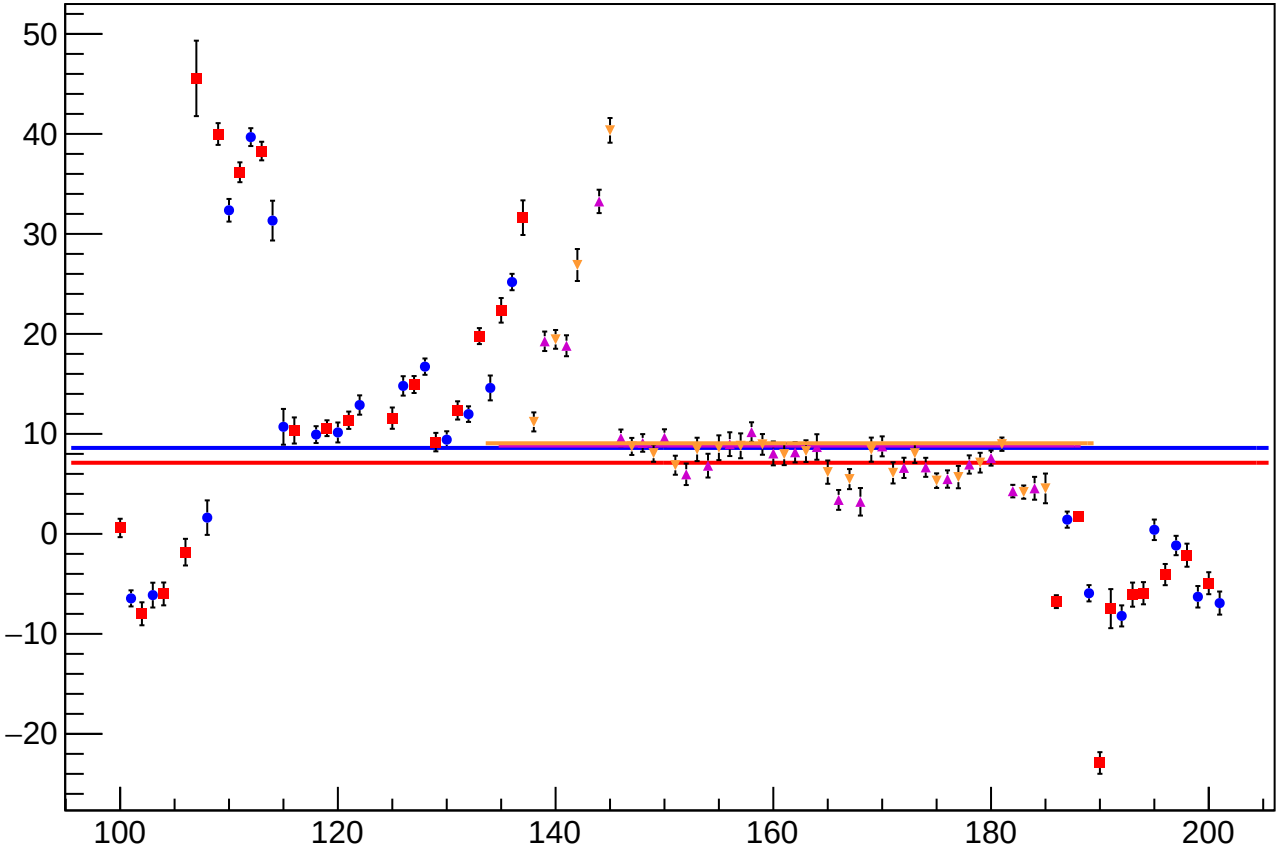
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.948+/-0.121 χ^2/NDF: 816.8/46

All: 2.951+/-0.086 χ^2/NDF: 1483.6/96

- sign 2.954+/-0.121 χ^2/NDF: 666.8/49

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: 7.113+/-0.184 χ^2/NDF: 6182.0/26

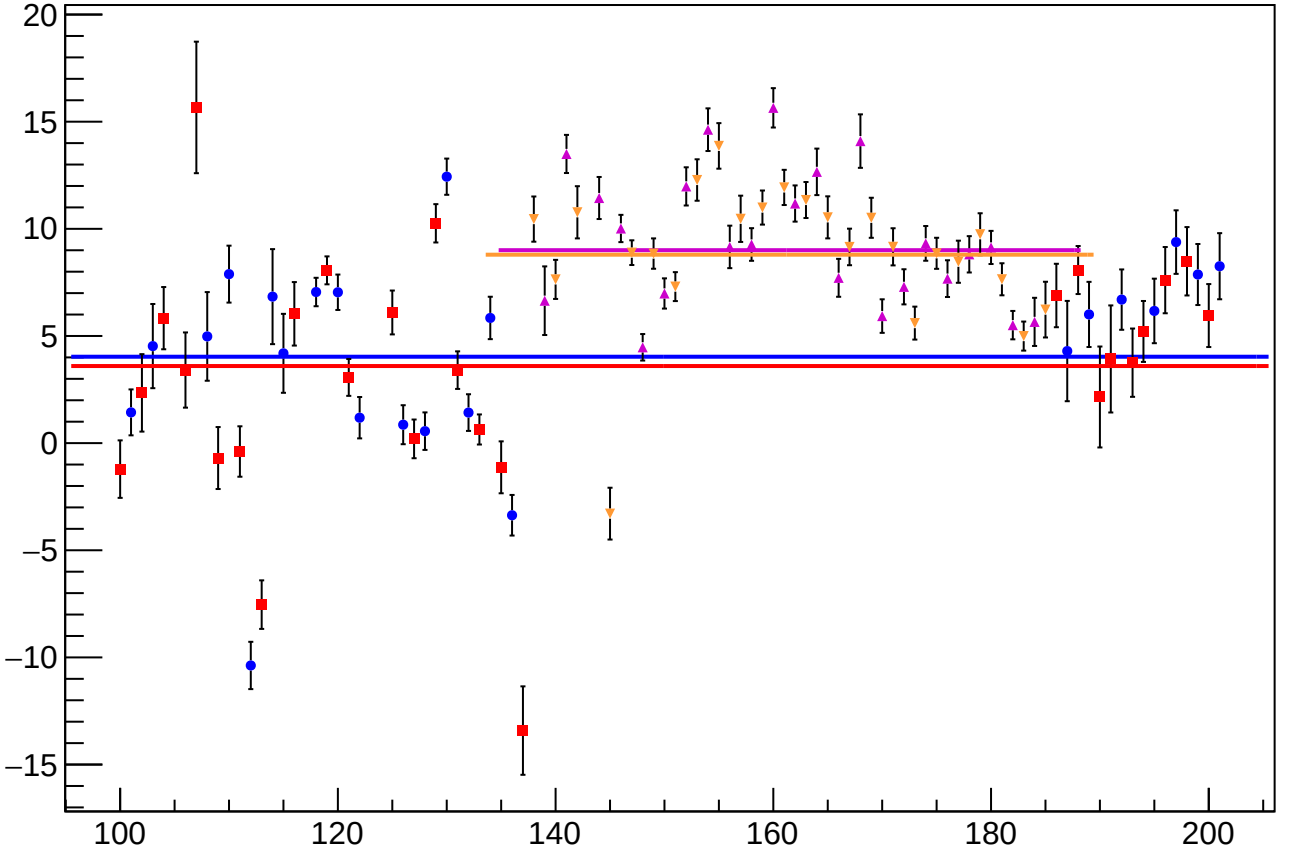
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 8.833+/-0.143 χ^2/NDF: 5133.1/46

All: 8.336+/-0.099 χ^2/NDF: 12178.8/96

- sign 7.889+/-0.136 χ^2/NDF: 7022.8/49

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

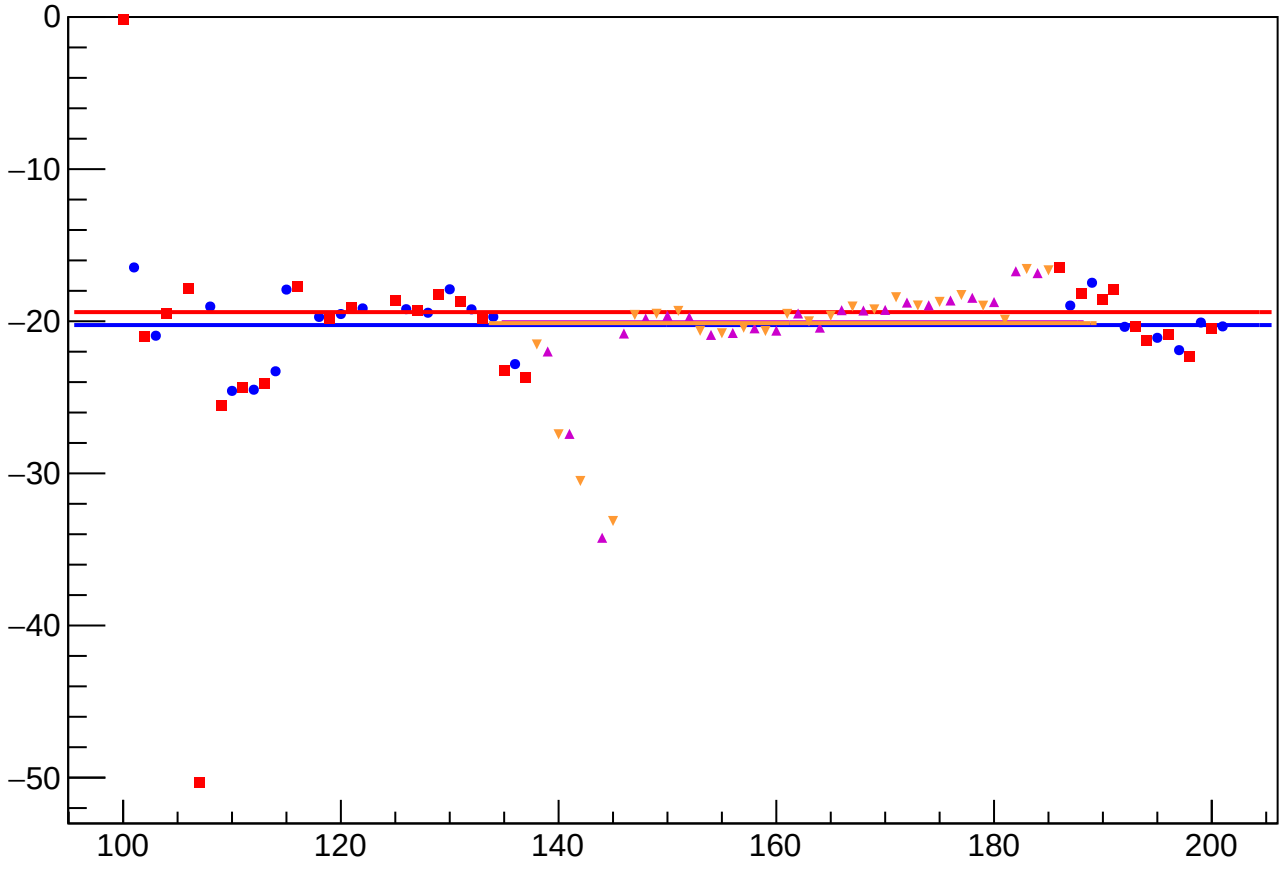
Right Out: 3.597+/-0.227 χ^2/NDF: 416.0/26

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.091+/-0.139 χ^2/NDF: 976.7/46

All: 7.035+/-0.098 χ^2/NDF: 2036.2/96

- sign 6.978+/-0.139 χ^2/NDF: 1059.1/49



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: -19.399+/-0.012 χ^2/NDF: 246370.4/26

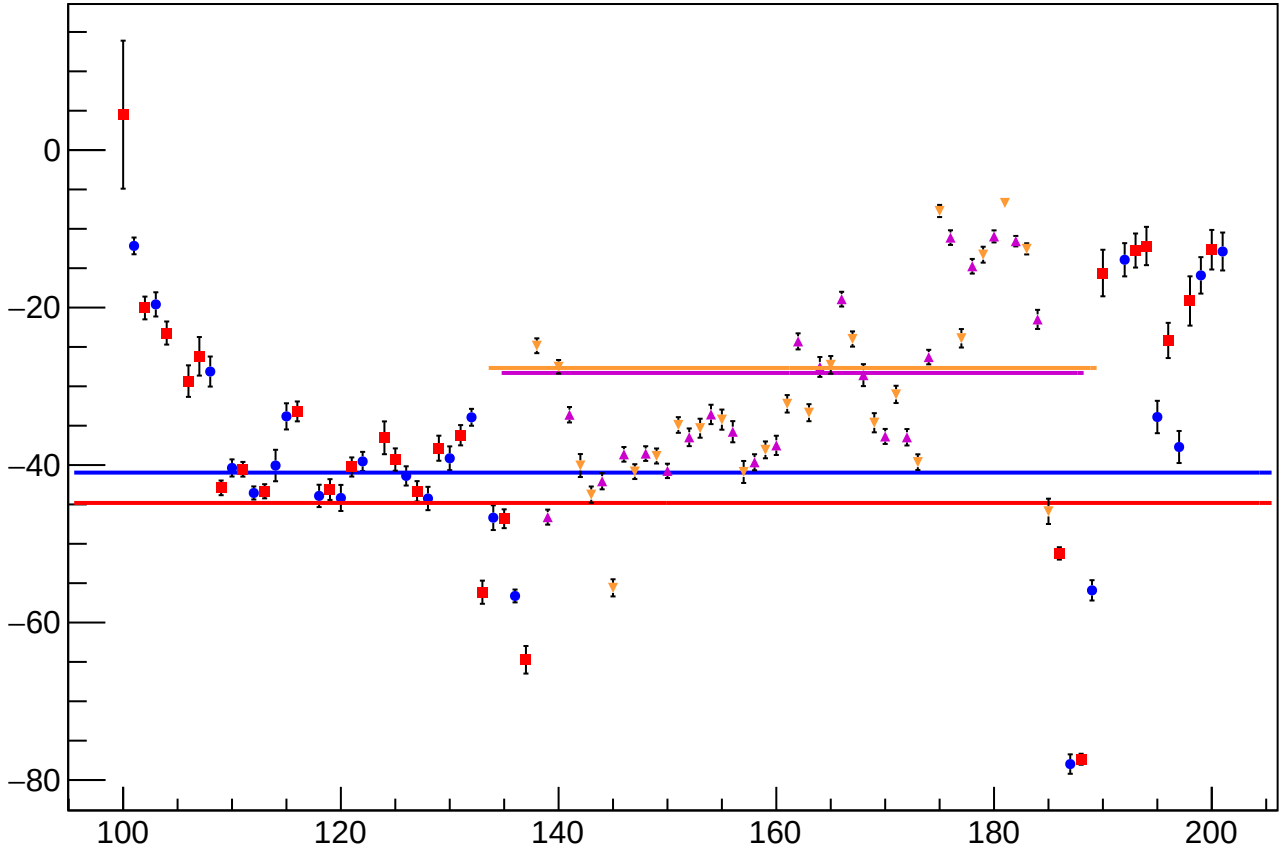
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.161+/-0.007 χ^2/NDF: 182427.2/46

All: -20.004+/-0.005 χ^2/NDF: 564838.7/96

- sign -19.852+/-0.007 χ^2/NDF: 381305.7/49

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: -44.811+/-0.256 χ^2/NDF: 4139.0/26

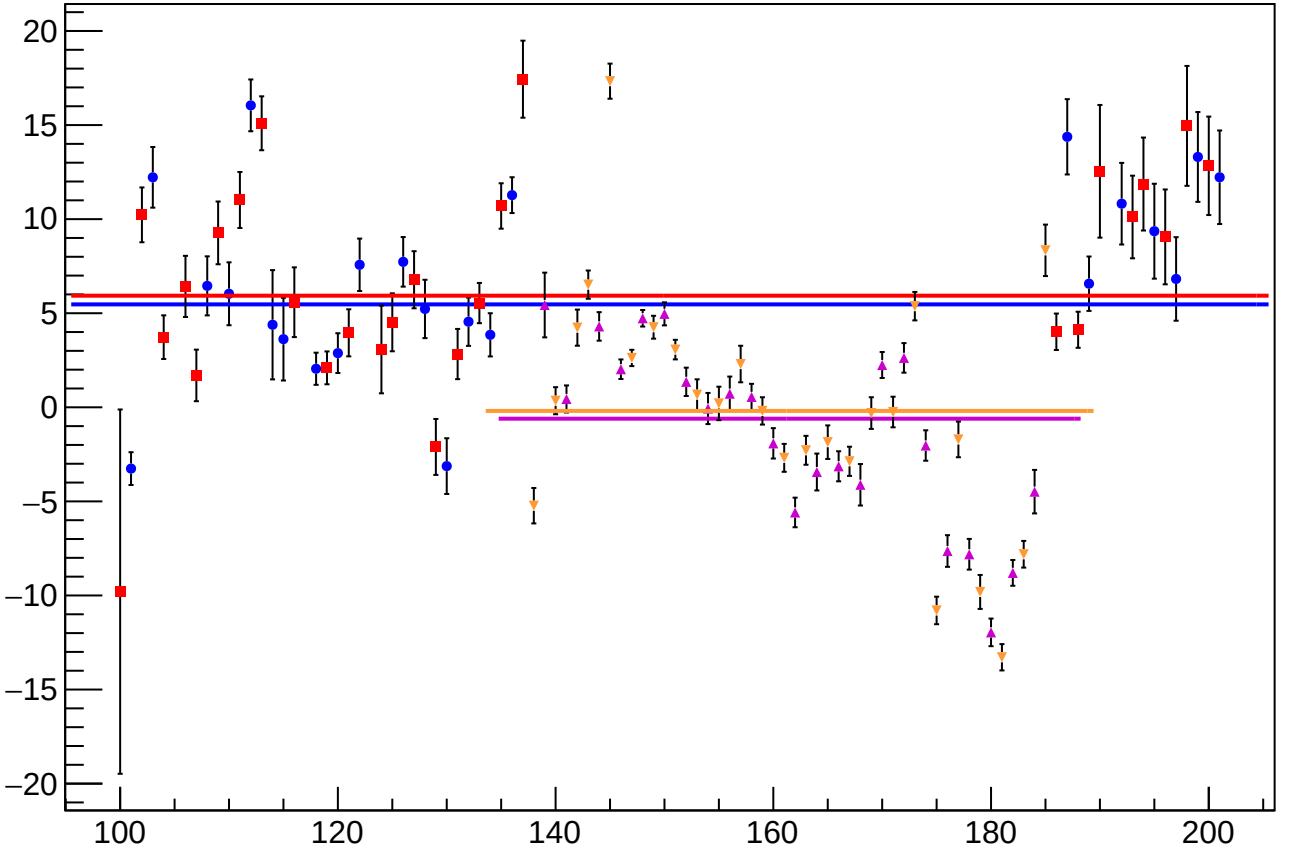
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.154+/-0.163 χ^2/NDF: 8784.6/47

All: -33.489+/-0.114 χ^2/NDF: 18853.7/97

- sign -34.779+/-0.160 χ^2/NDF: 9937.6/49

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: 5.932+/-0.282 χ^2/NDF: 224.6/26

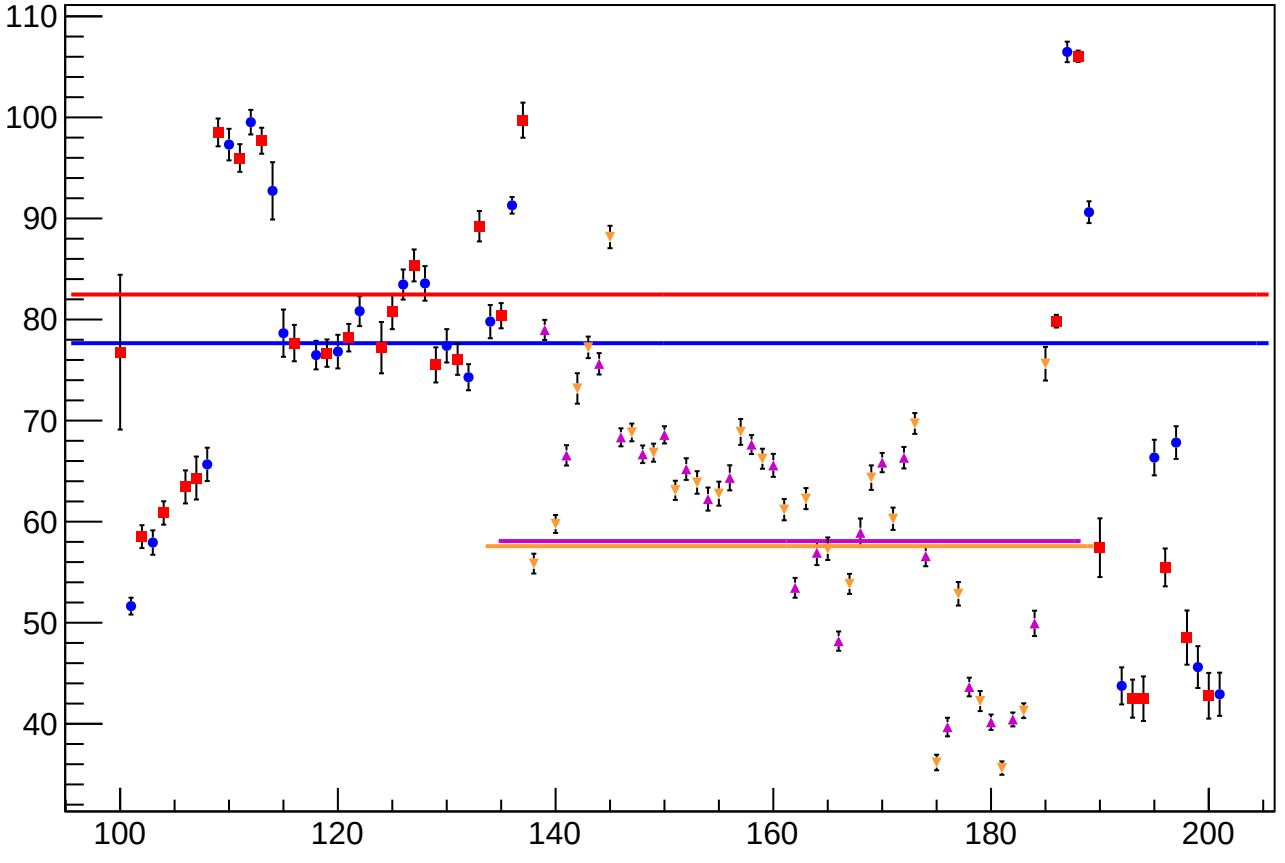
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.986+/-0.134 χ^2/NDF: 2167.7/47

All: 0.949+/-0.095 χ^2/NDF: 3778.7/97

- sign 0.911+/-0.136 χ^2/NDF: 1610.8/49

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: 82.475+/-0.256 χ^2/NDF: 4909.3/26

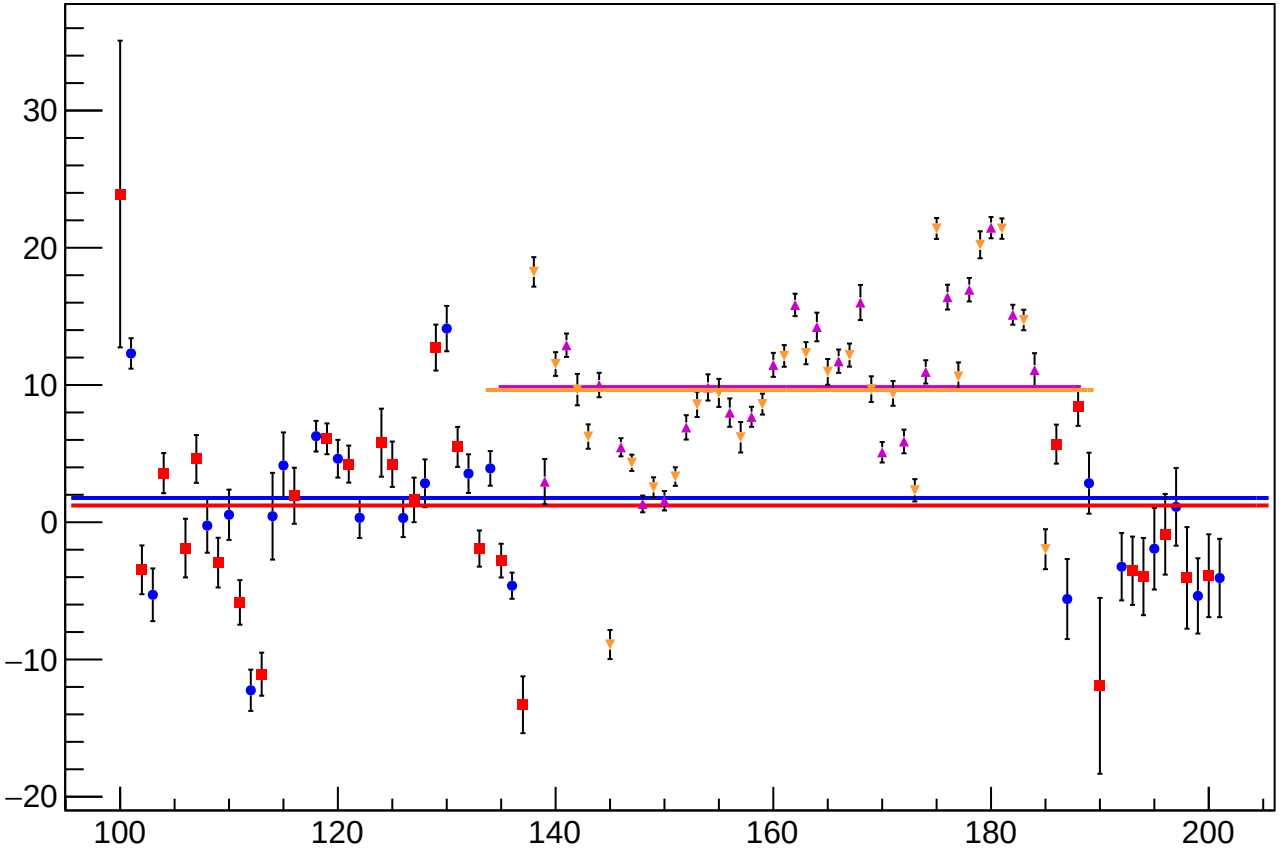
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.079+/-0.164 χ^2/NDF: 11983.2/47

All: 65.842+/-0.114 χ^2/NDF: 26236.7/97

- sign 67.514+/-0.159 χ^2/NDF: 14027.3/49

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: 1.222+/-0.337 χ^2/NDF: 309.1/26

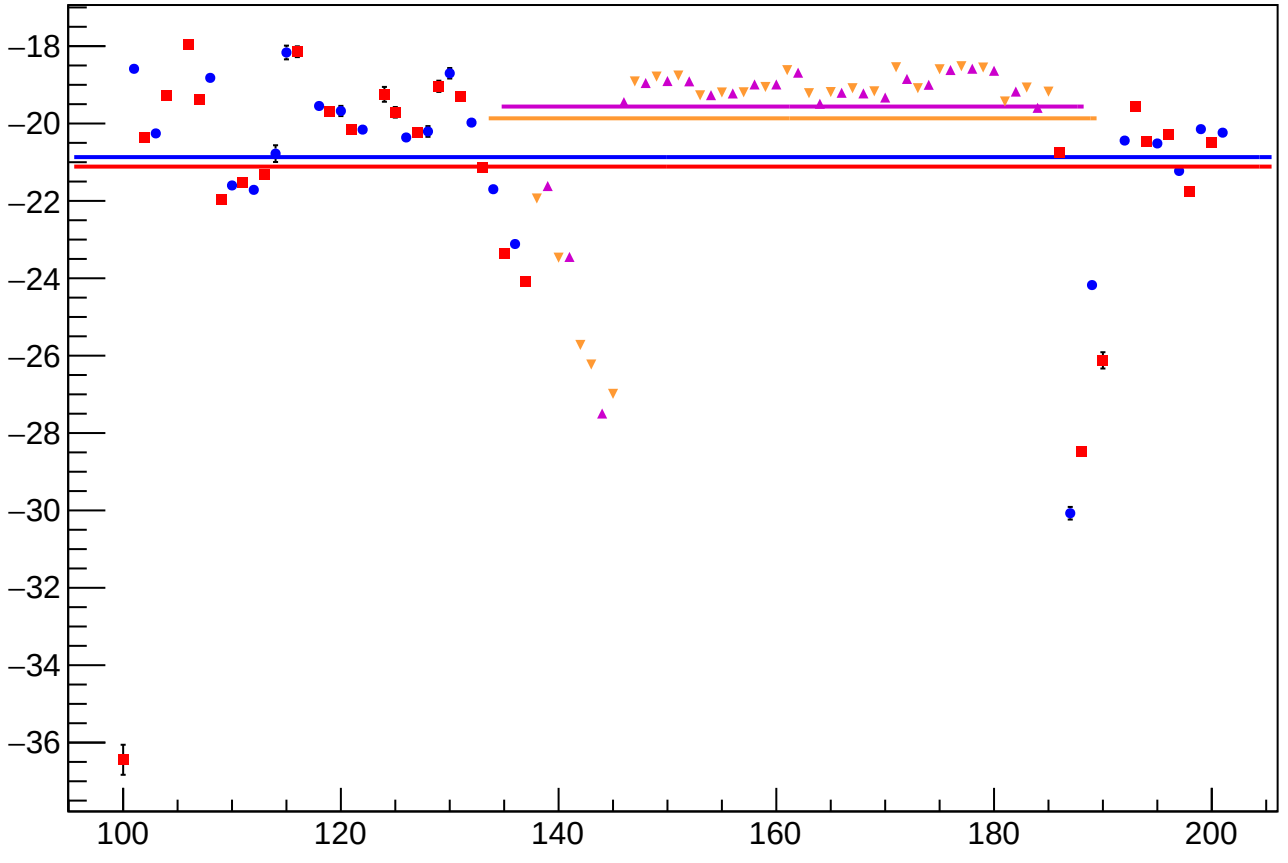
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.054+/-0.153 χ^2/NDF: 2259.9/47

All: 8.025+/-0.109 χ^2/NDF: 4076.7/97

- sign 7.995+/-0.156 χ^2/NDF: 1816.7/49

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: -21.114+/-0.017 χ^2/NDF: 20000.3/26

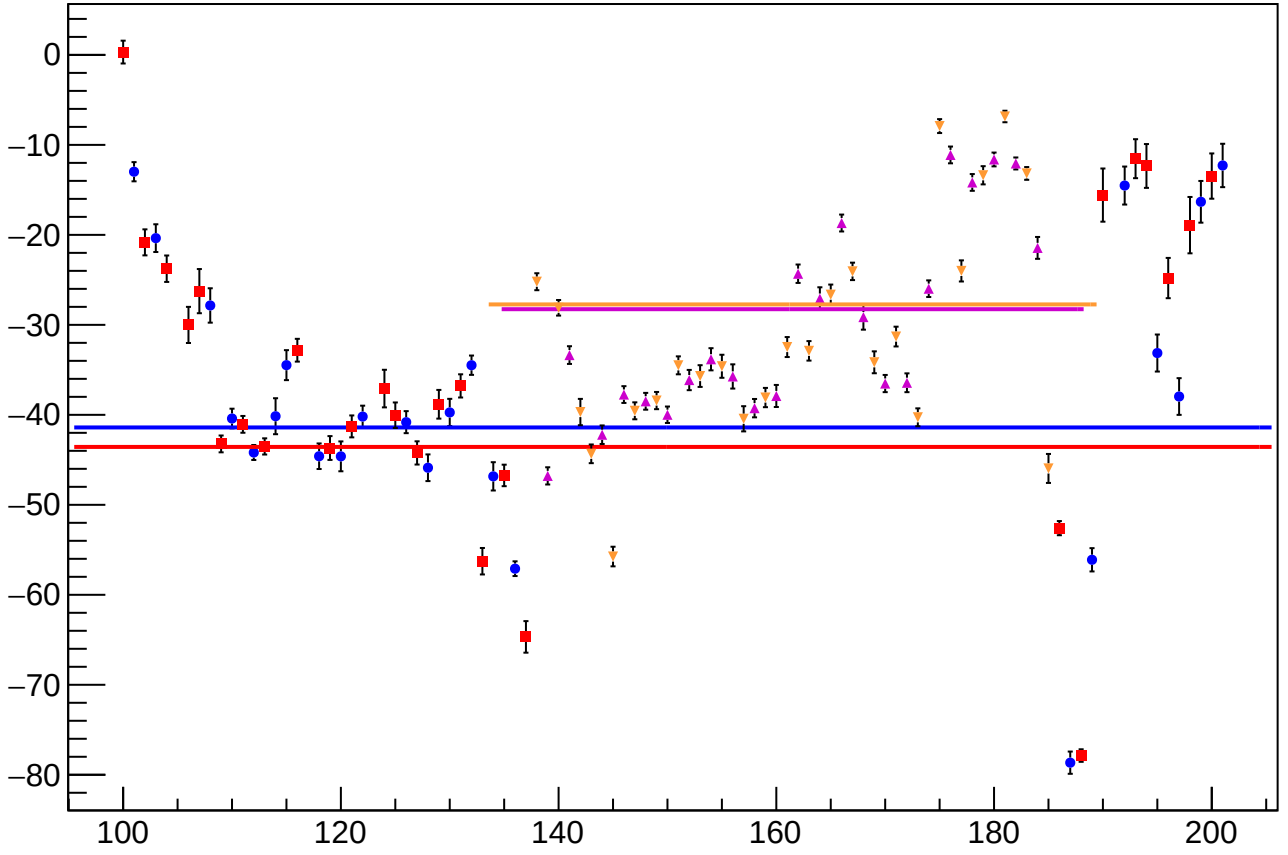
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.043+/-0.007 χ^2/NDF: 93846.2/47

All: -19.941+/-0.005 χ^2/NDF: 166169.4/97

- sign -19.836+/-0.007 χ^2/NDF: 71905.4/49

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: -43.566+/-0.251 χ^2/NDF: 5387.6/26

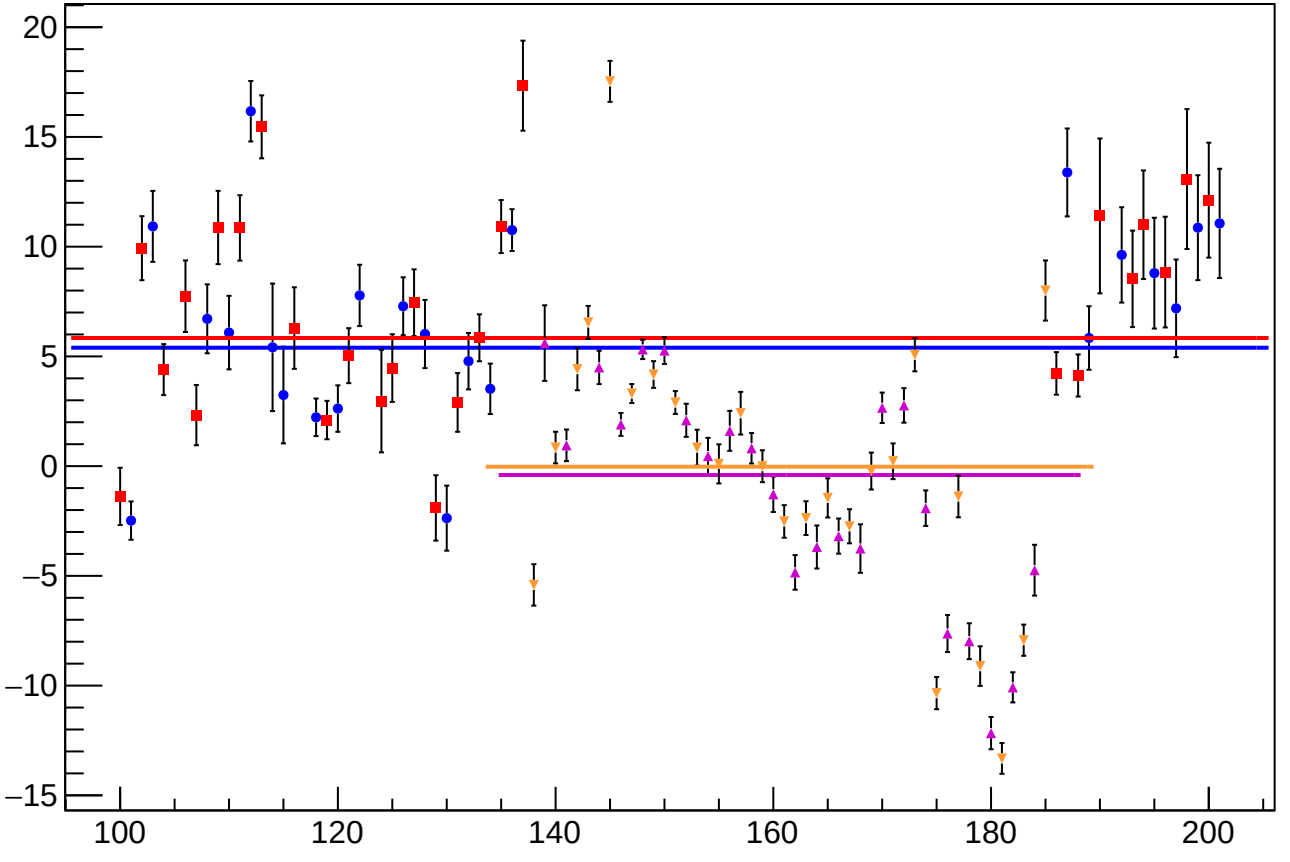
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.345+/-0.163 χ^2/NDF: 8766.8/47

All: -33.404+/-0.114 χ^2/NDF: 19624.4/97

- sign -34.412+/-0.159 χ^2/NDF: 10775.6/49

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: 5.839+/-0.277 χ^2/NDF: 243.1/26

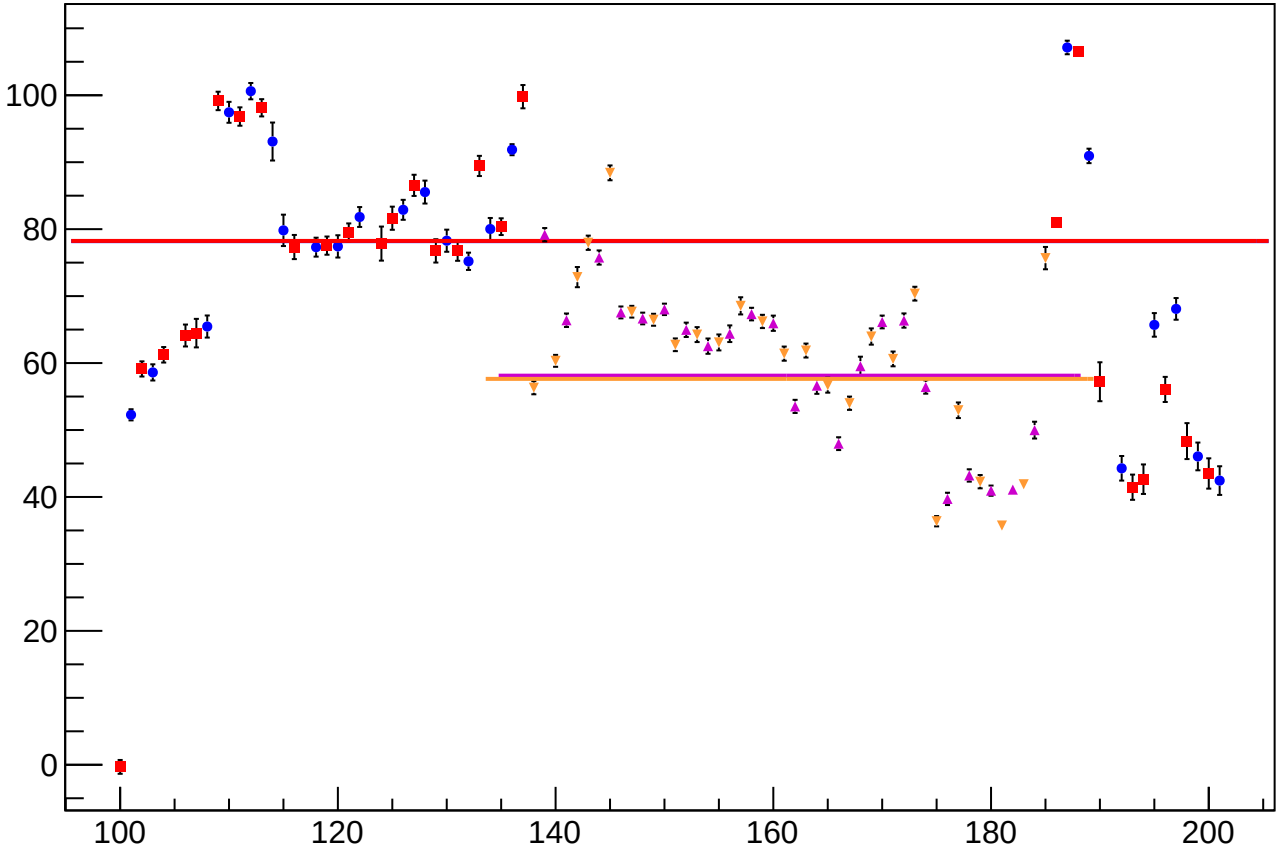
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.102+/-0.134 χ^2/NDF: 2079.0/47

All: 1.098+/-0.095 χ^2/NDF: 3793.4/97

- sign 1.095+/-0.136 χ^2/NDF: 1714.4/49

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: 78.242+/-0.249 χ^2/NDF: 11062.0/26

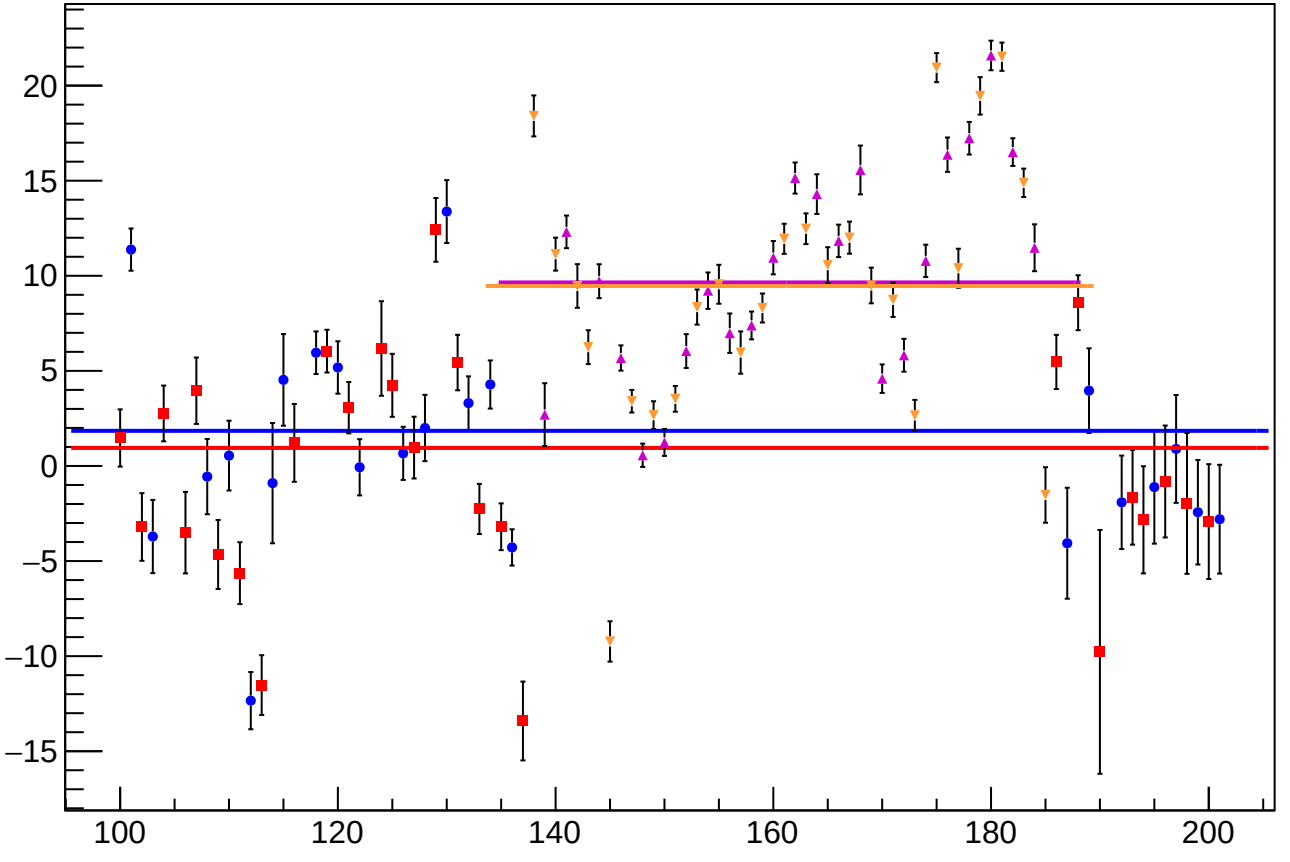
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.301+/-0.164 χ^2/NDF: 12088.5/47

All: 65.279+/-0.114 χ^2/NDF: 30571.1/97

- sign 66.187+/-0.158 χ^2/NDF: 18413.9/49

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: 0.948+/-0.329 χ^2/NDF: 302.5/26

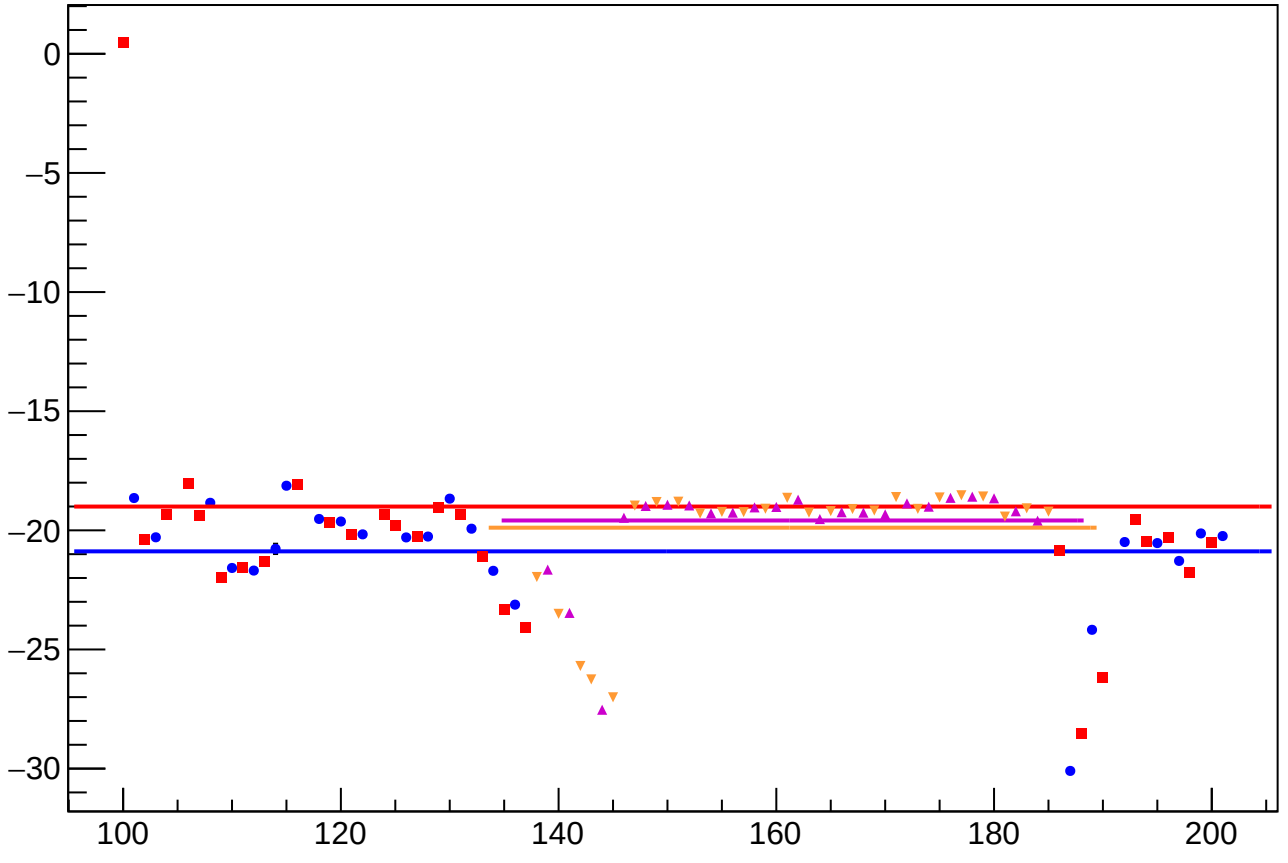
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

\+ sign 7.930+/-0.153 χ^2/NDF: 2183.3/47

All: 7.820+/-0.109 χ^2/NDF: 4107.5/97

\- sign 7.707+/-0.156 χ^2/NDF: 1923.1/49

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: -19.002+/-0.016 χ^2/NDF: 171588.4/26

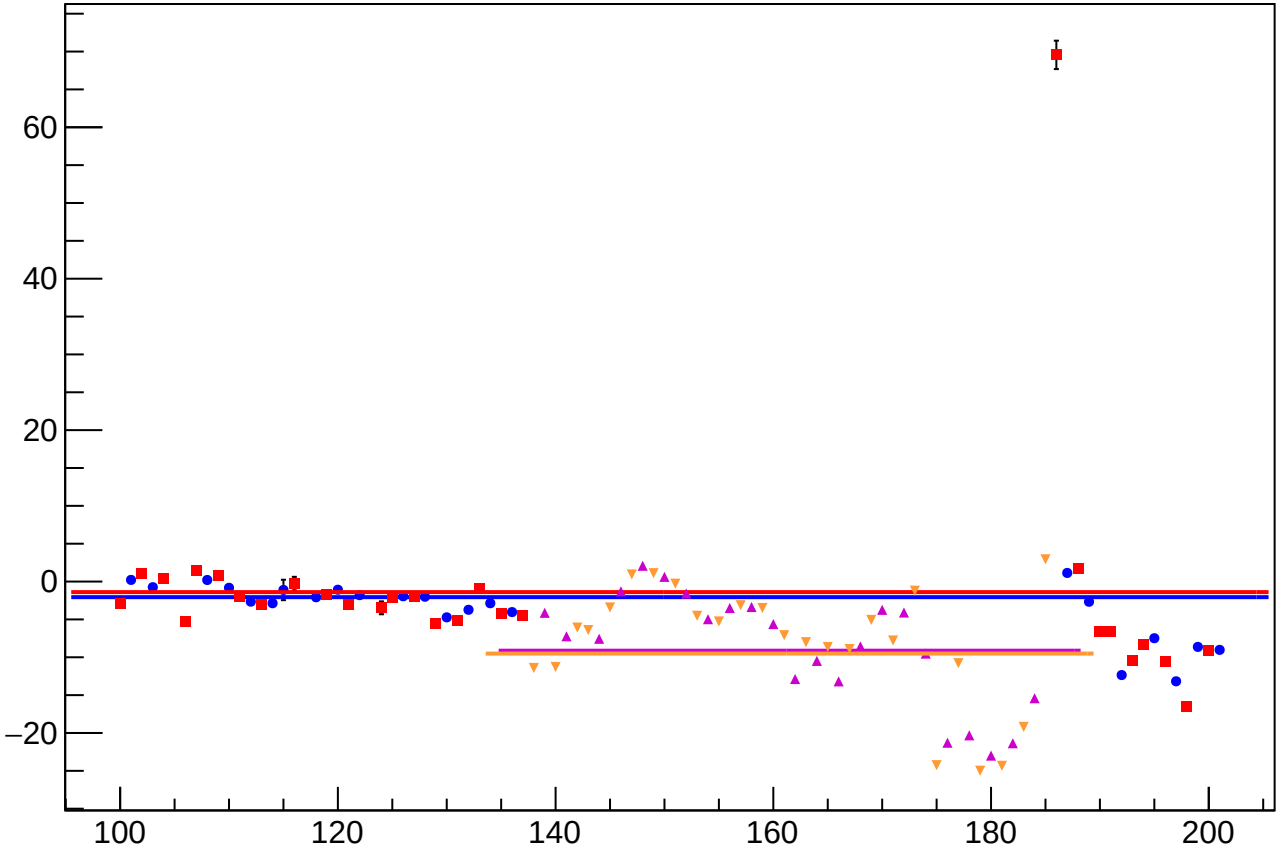
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.065+/-0.007 χ^2/NDF: 93281.7/47

All: -19.770+/-0.005 χ^2/NDF: 314395.2/97

- sign -19.474+/-0.007 χ^2/NDF: 217705.6/49

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

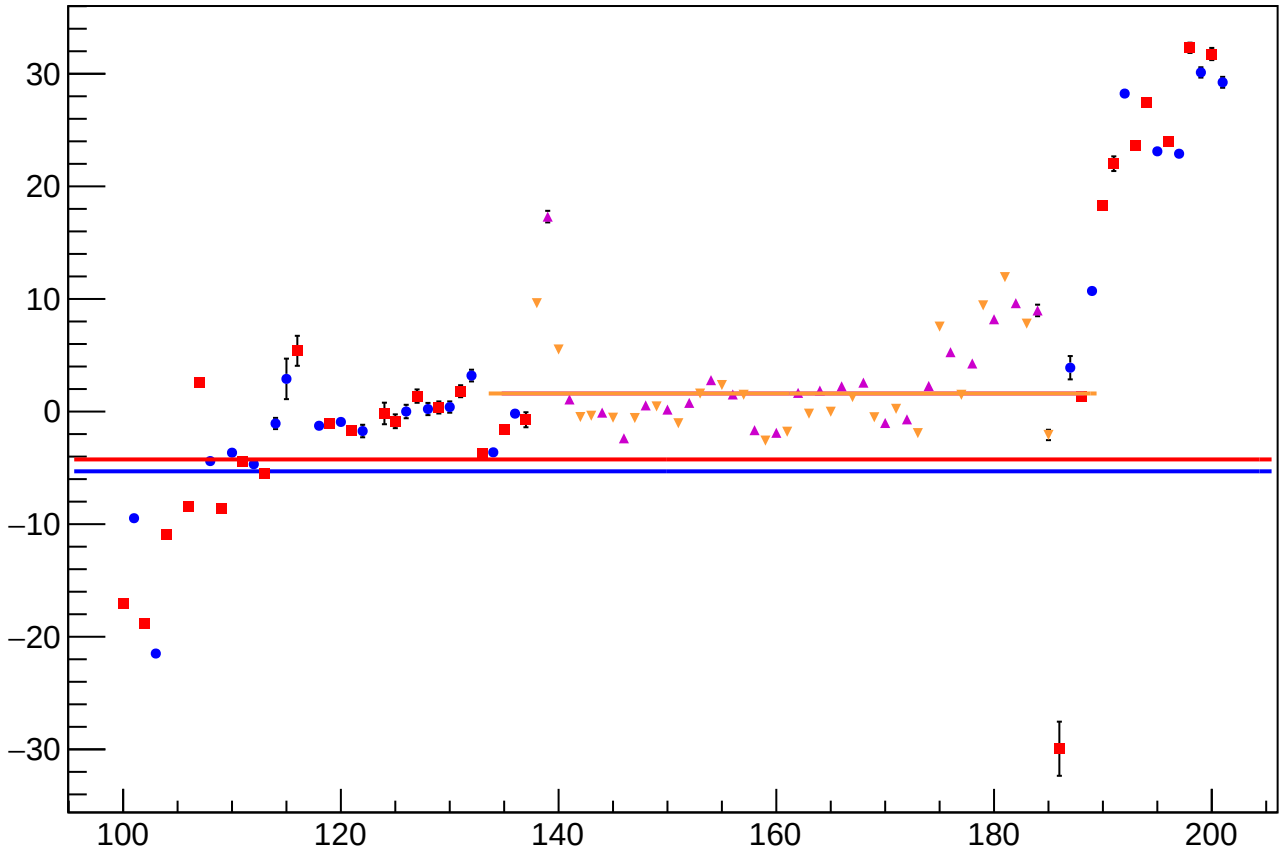
Right Out: -1.393+/-0.047 χ^2/NDF: 6421.9/27

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.546+/-0.042 χ^2/NDF: 23212.5/47

All: -4.033+/-0.029 χ^2/NDF: 47998.9/98

- sign -3.574+/-0.040 χ^2/NDF: 24503.2/50



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: -4.251+/-0.053 χ^2/NDF: 51913.5/27

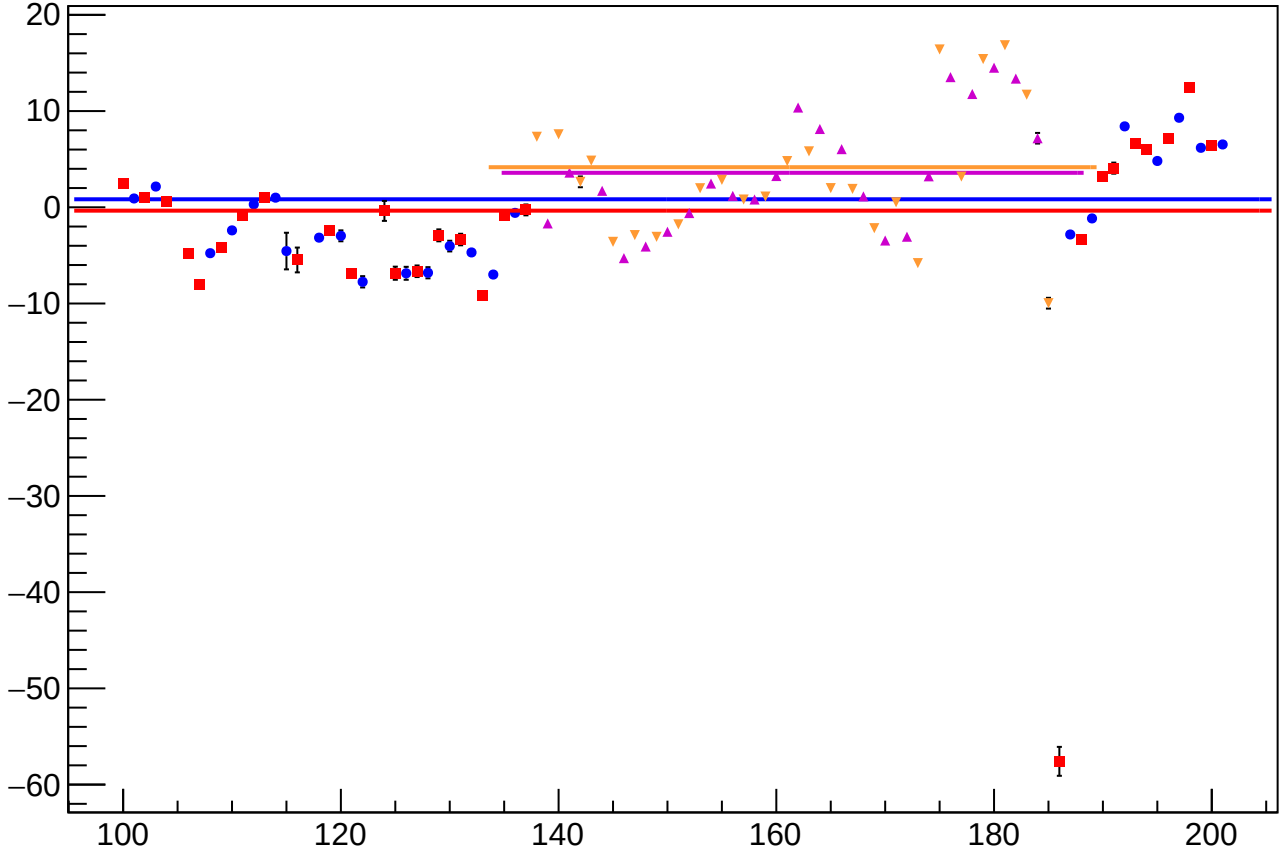
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

\+ sign -1.934+/-0.039 χ^2/NDF: 61043.9/47

All: -1.749+/-0.027 χ^2/NDF: 122229.4/98

\- sign -1.558+/-0.039 χ^2/NDF: 61138.6/50

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

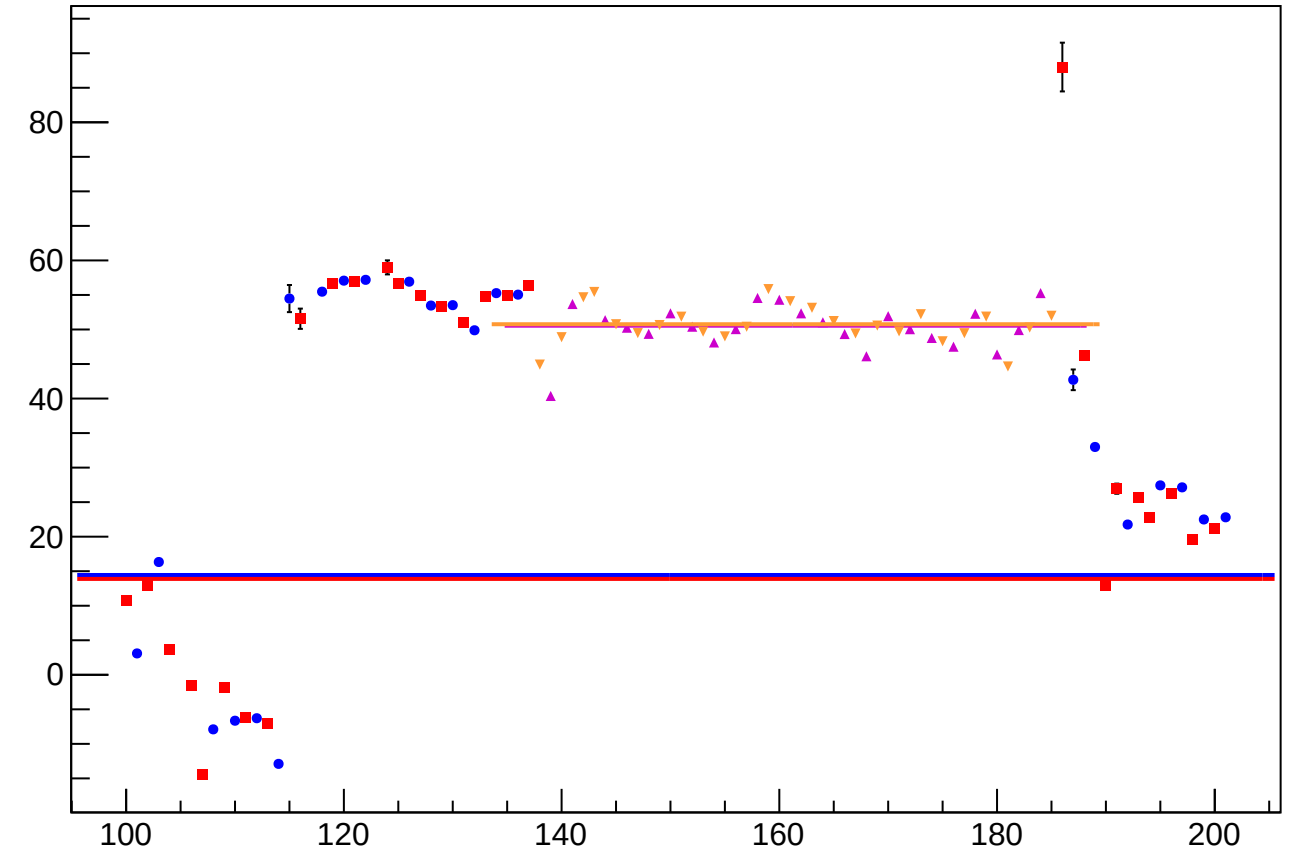
Right Out: -0.349+/-0.047 χ^2/NDF: 7826.4/27

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.893+/-0.041 χ^2/NDF: 14848.0/47

All: 1.333+/-0.028 χ^2/NDF: 32280.6/98

- sign 0.795+/-0.040 χ^2/NDF: 17060.8/50



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: 13.886+/-0.063 χ^2/NDF: 128922.0/27

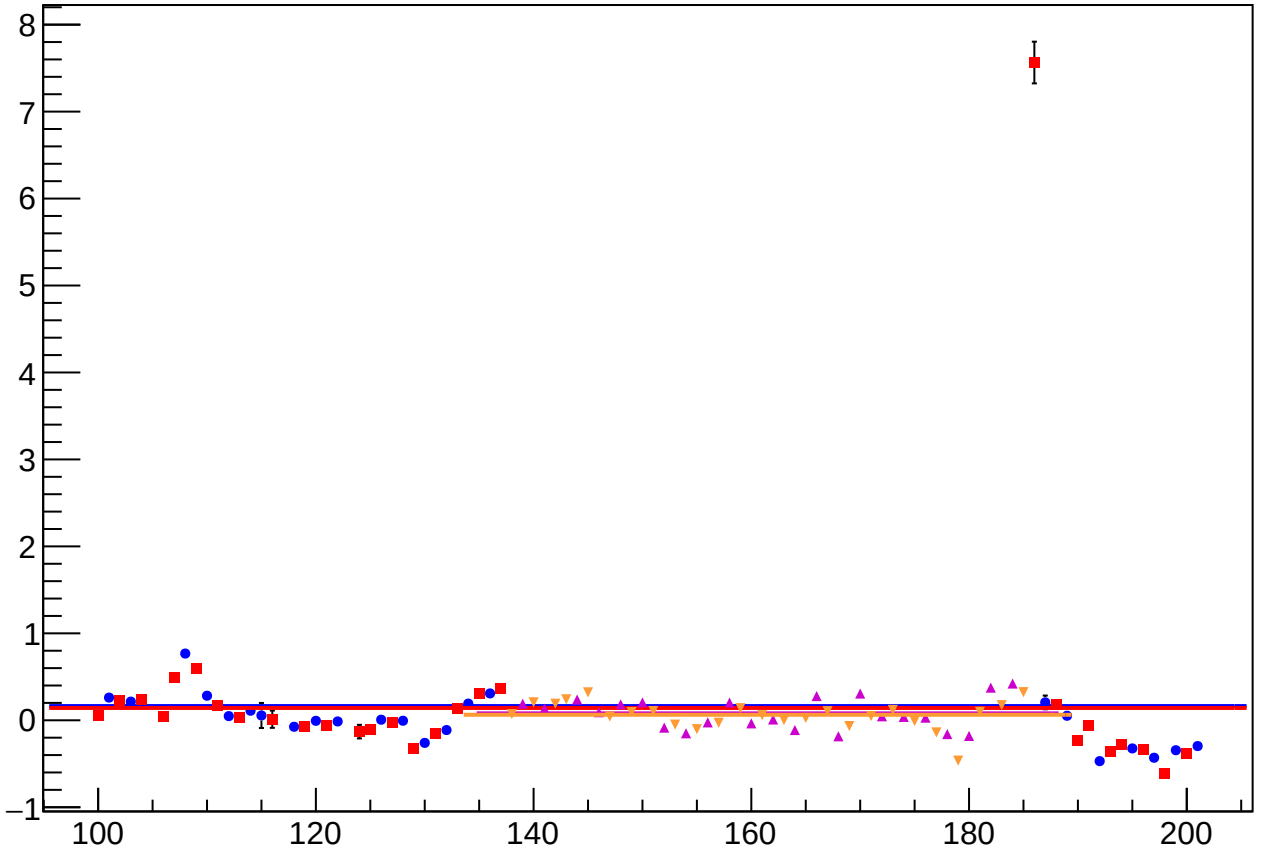
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.142+/-0.045 χ^2/NDF: 278474.1/47

All: 32.489+/-0.032 χ^2/NDF: 573237.2/98

- sign 31.821+/-0.045 χ^2/NDF: 294333.2/50

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: 0.142+/-0.002 χ^2/NDF: 11622.2/27

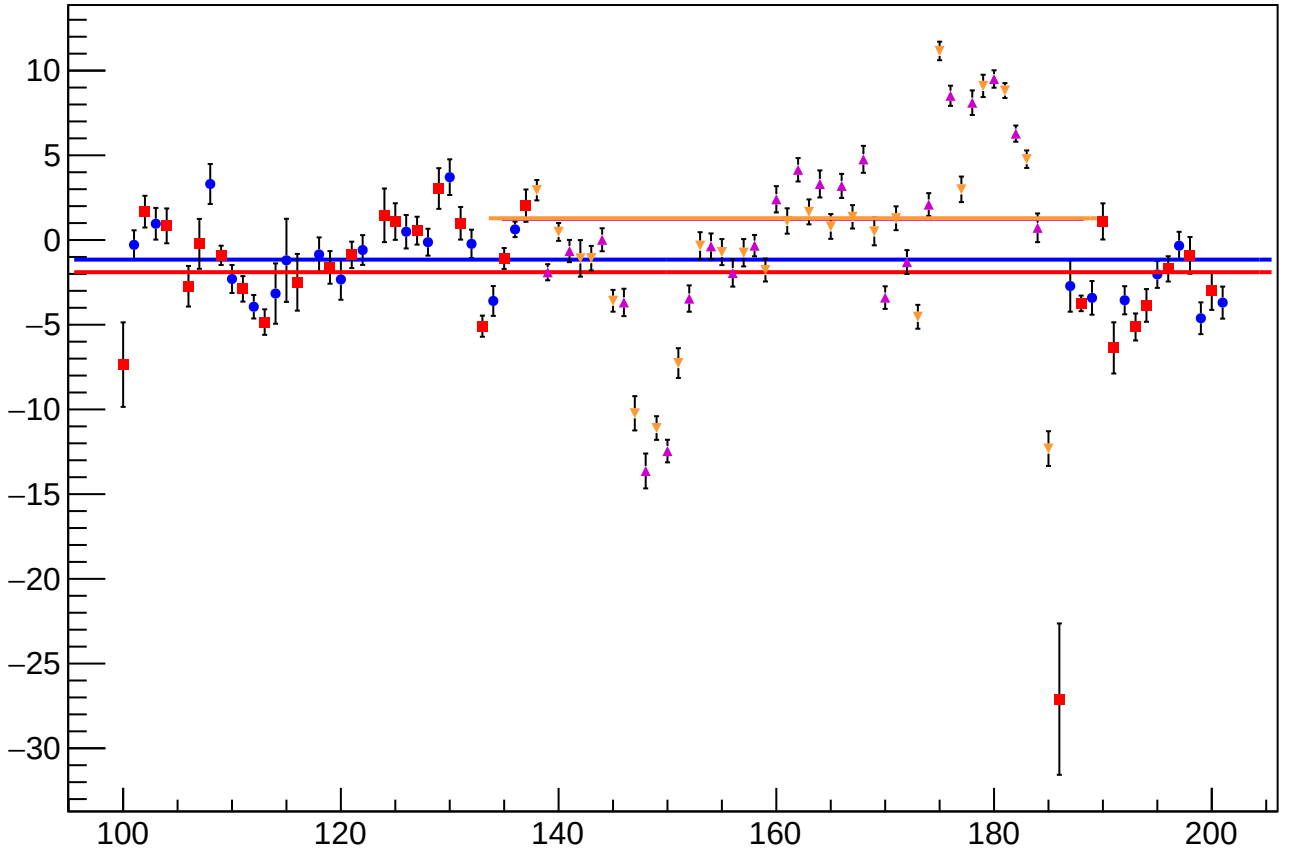
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.118+/-0.002 χ^2/NDF: 15628.1/47

All: 0.117+/-0.001 χ^2/NDF: 30973.1/98

- sign 0.115+/-0.002 χ^2/NDF: 15343.7/50

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: -1.899+/-0.166 χ^2/NDF: 228.9/27

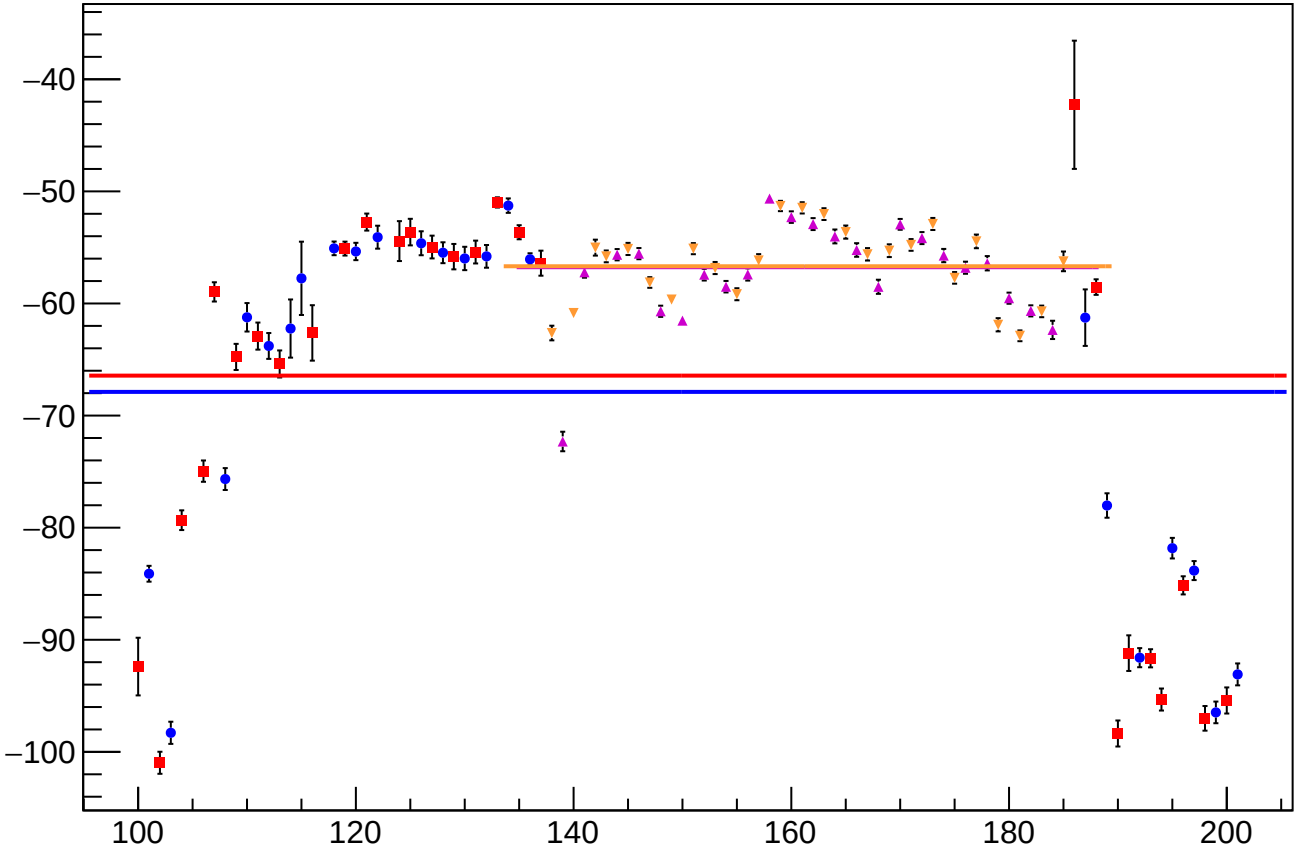
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.415+/-0.110 χ^2/NDF: 1957.2/47

All: 0.171+/-0.077 χ^2/NDF: 3916.6/98

- sign -0.061+/-0.107 χ^2/NDF: 1949.9/50

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: -66.436+/-0.176 χ^2/NDF: 9427.0/27

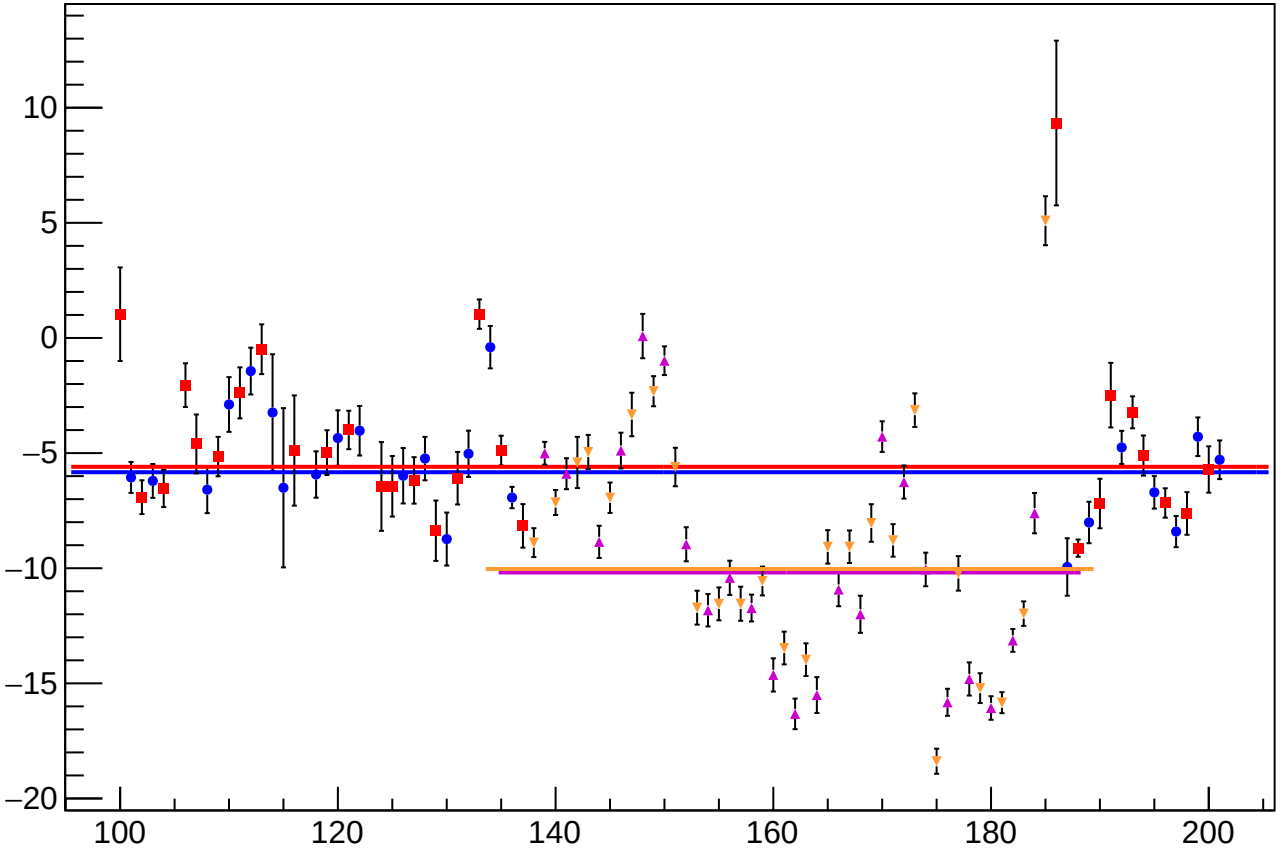
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -59.403+/-0.093 χ^2/NDF: 10900.4/47

All: -59.478+/-0.066 χ^2/NDF: 23589.1/98

- sign -59.554+/-0.094 χ^2/NDF: 12687.4/50

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: -5.595+/-0.165 χ^2/NDF: 323.8/27

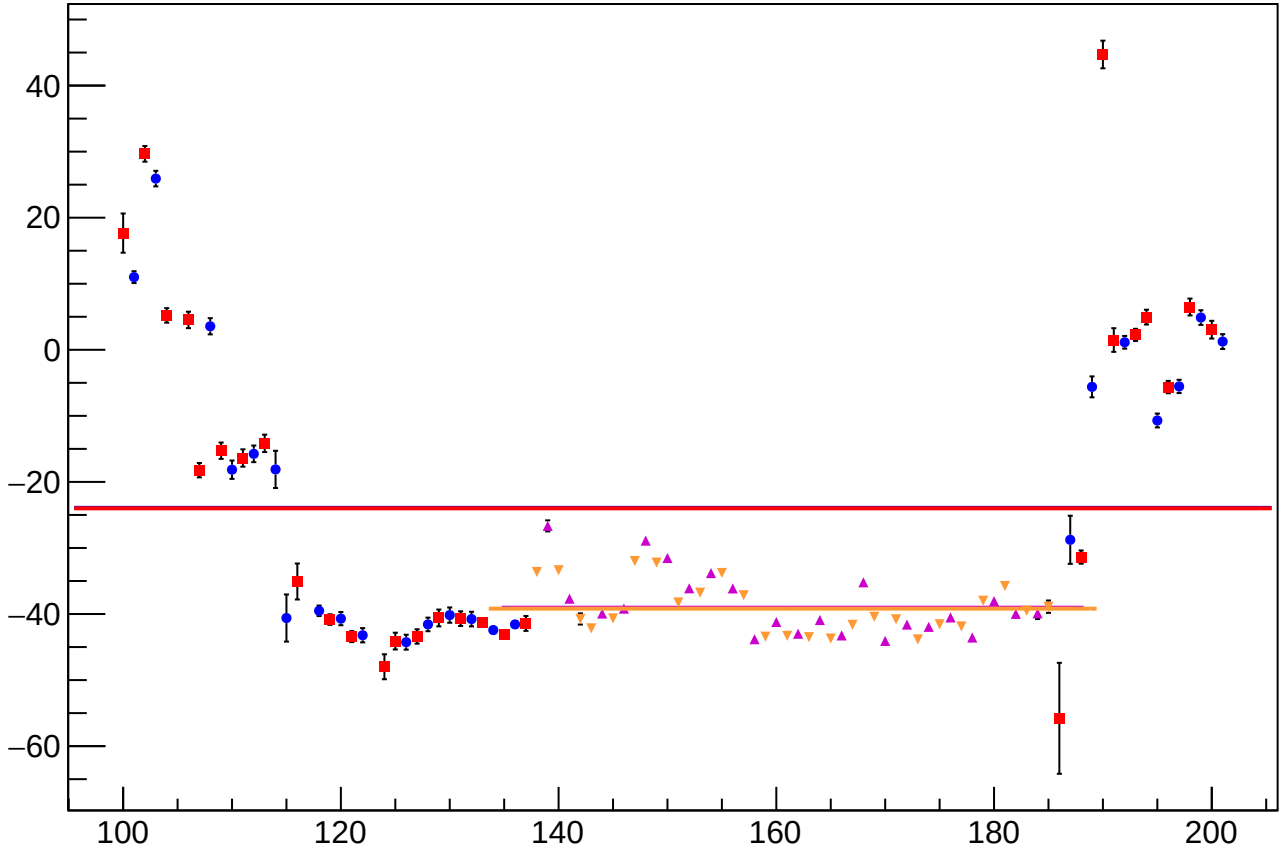
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.540+/-0.109 χ^2/NDF: 1638.6/47

All: -8.403+/-0.076 χ^2/NDF: 3560.9/98

- sign -8.274+/-0.106 χ^2/NDF: 1919.2/50

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: -23.997+/-0.206 χ^2/NDF: 12058.0/27

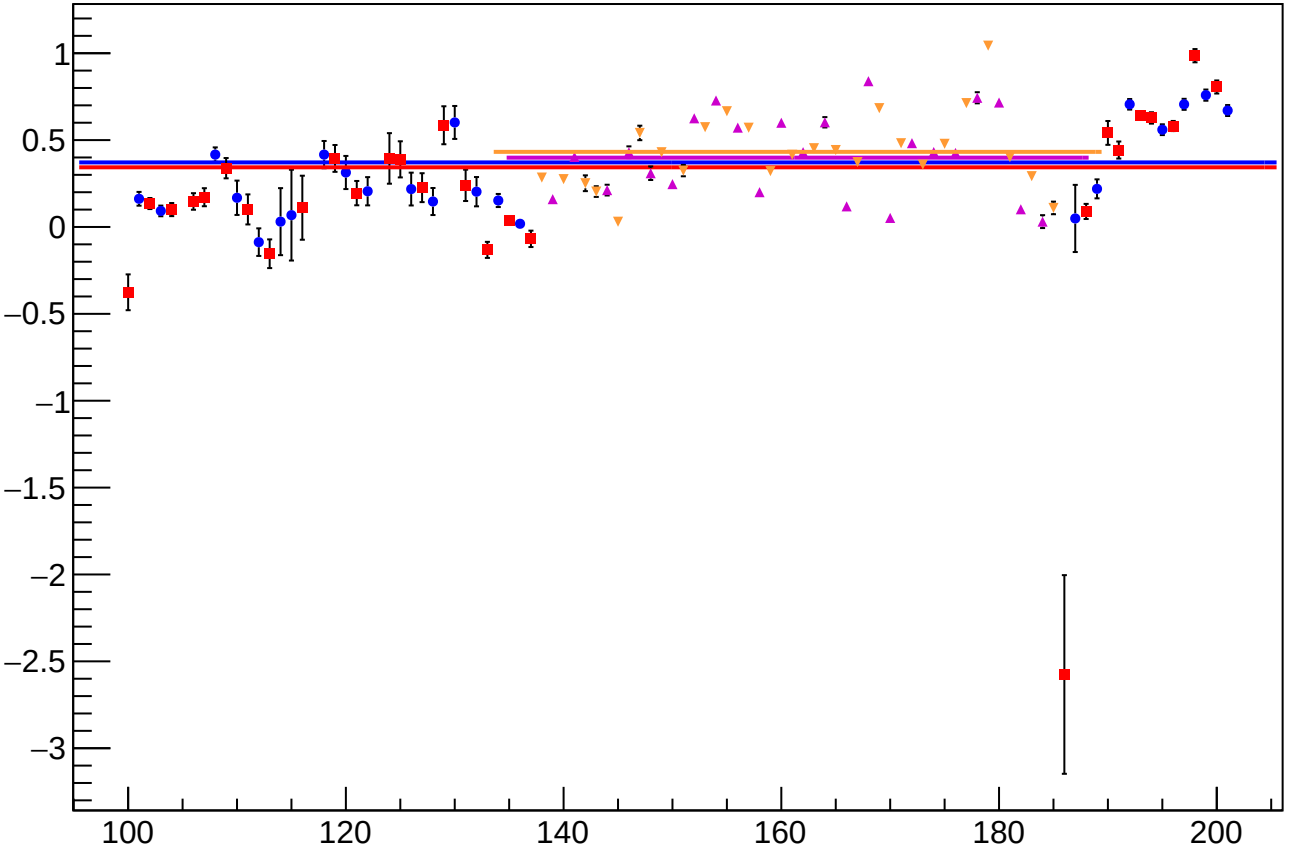
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -35.624+/-0.105 χ^2/NDF: 14937.8/47

All: -35.332+/-0.075 χ^2/NDF: 32147.9/98

- sign -35.033+/-0.106 χ^2/NDF: 17194.5/50

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: 0.343+/-0.009 χ^2/NDF: 1306.4/27

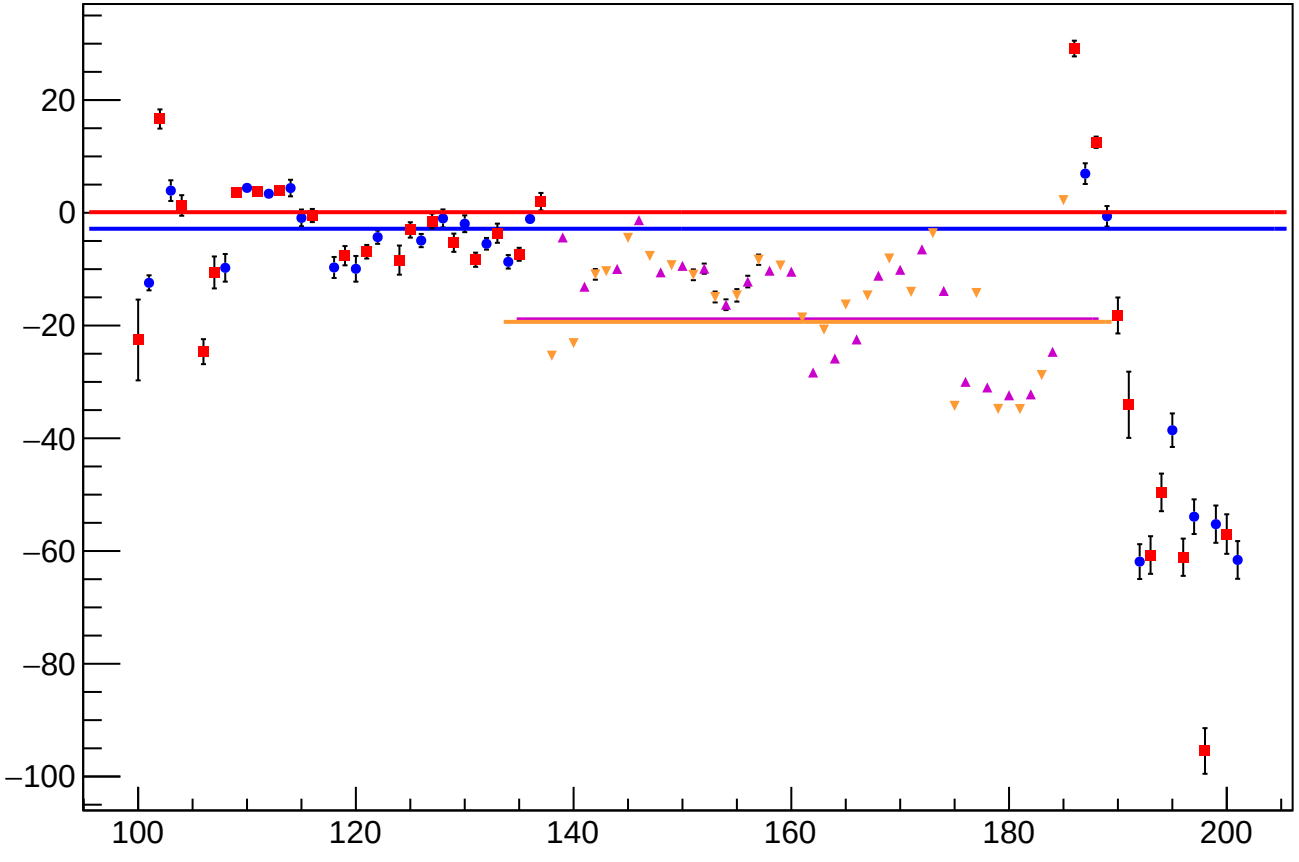
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.417+/-0.005 χ^2/NDF: 2397.4/47

All: 0.401+/-0.003 χ^2/NDF: 5681.5/98

- sign 0.384+/-0.005 χ^2/NDF: 3258.6/50

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: 0.108+/-0.249 χ^2/NDF: 2891.9/27

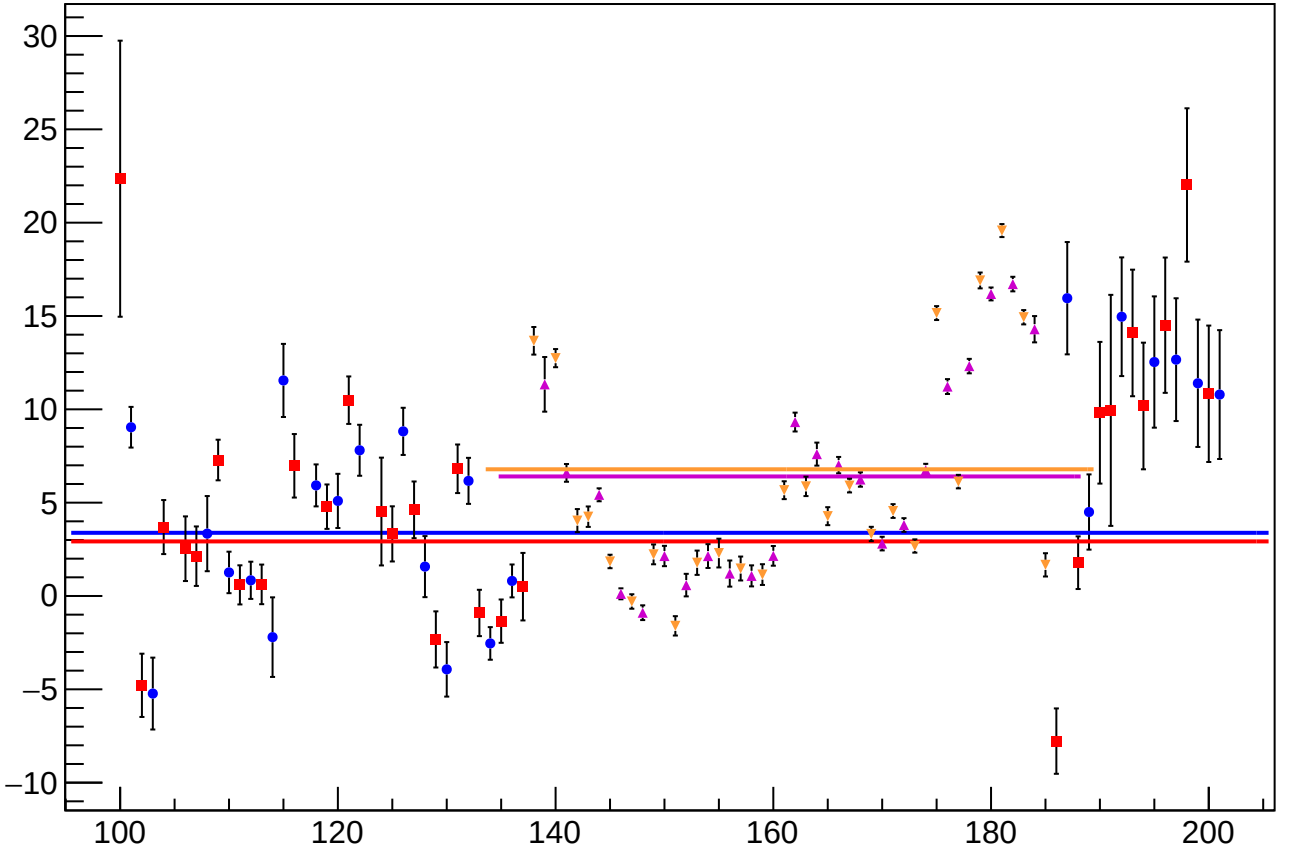
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

\+ sign -16.858+/-0.104 χ^2/NDF: 15337.2/47

All: -16.184+/-0.074 χ^2/NDF: 31394.5/98

\- sign -15.500+/-0.105 χ^2/NDF: 15973.4/50

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: 2.924+/-0.302 χ^2/NDF: 239.5/27

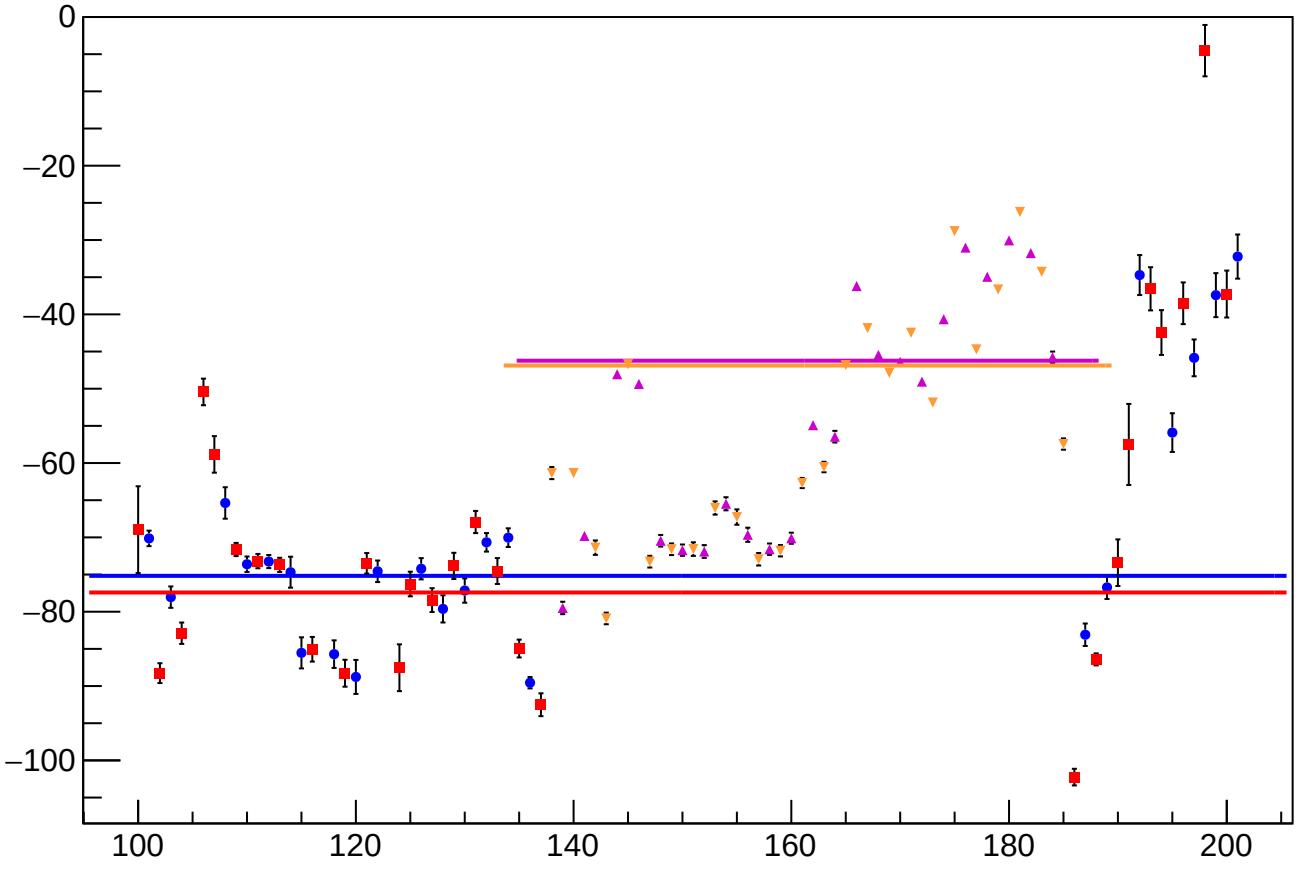
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.509+/-0.086 χ^2/NDF: 5007.9/47

All: 6.314+/-0.061 χ^2/NDF: 8789.7/98

- sign 6.114+/-0.087 χ^2/NDF: 3771.4/50

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: -77.415+/-0.285 χ^2/NDF: 2465.7/27

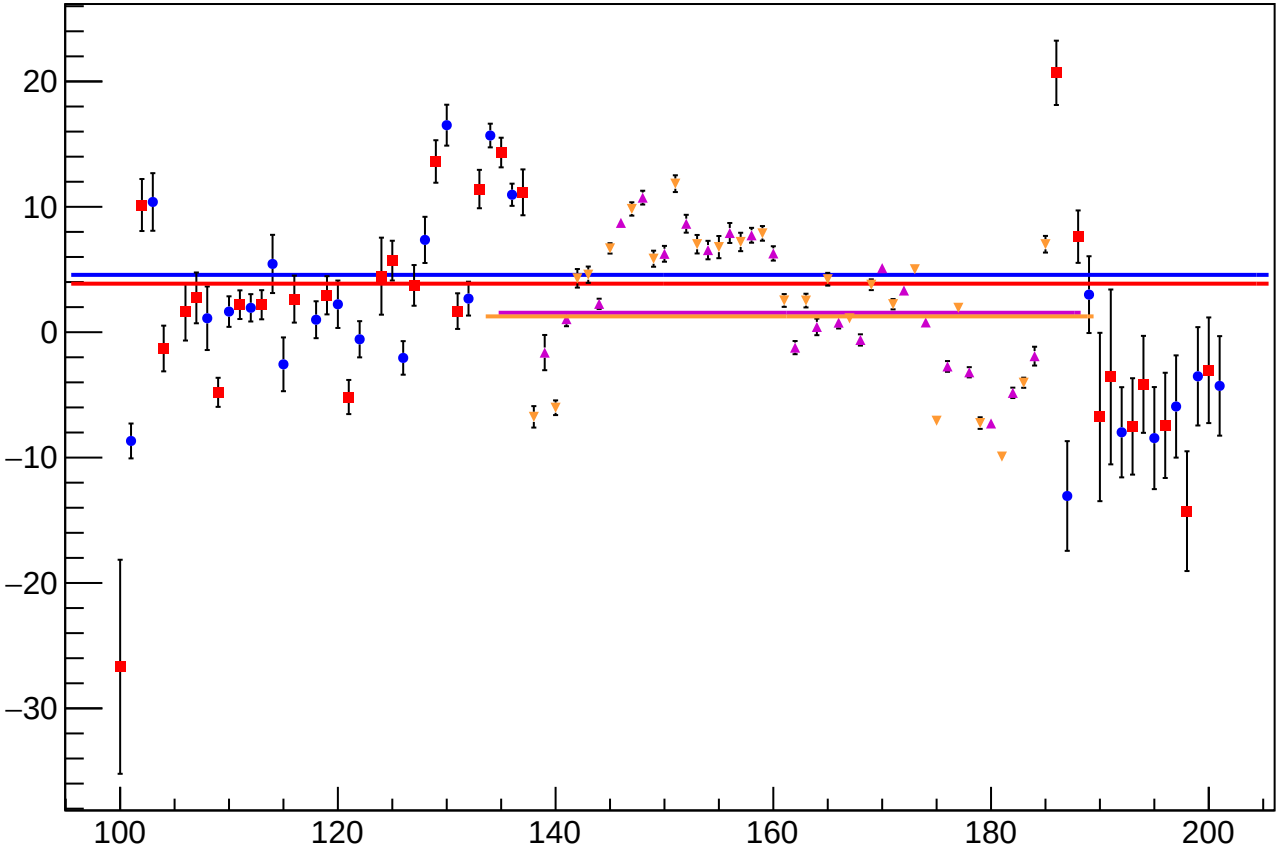
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.393+/-0.107 χ^2/NDF: 26992.2/47

All: -50.529+/-0.076 χ^2/NDF: 54864.8/98

- sign -50.668+/-0.108 χ^2/NDF: 27869.4/50

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: 3.871+/-0.346 χ^2/NDF: 378.8/27

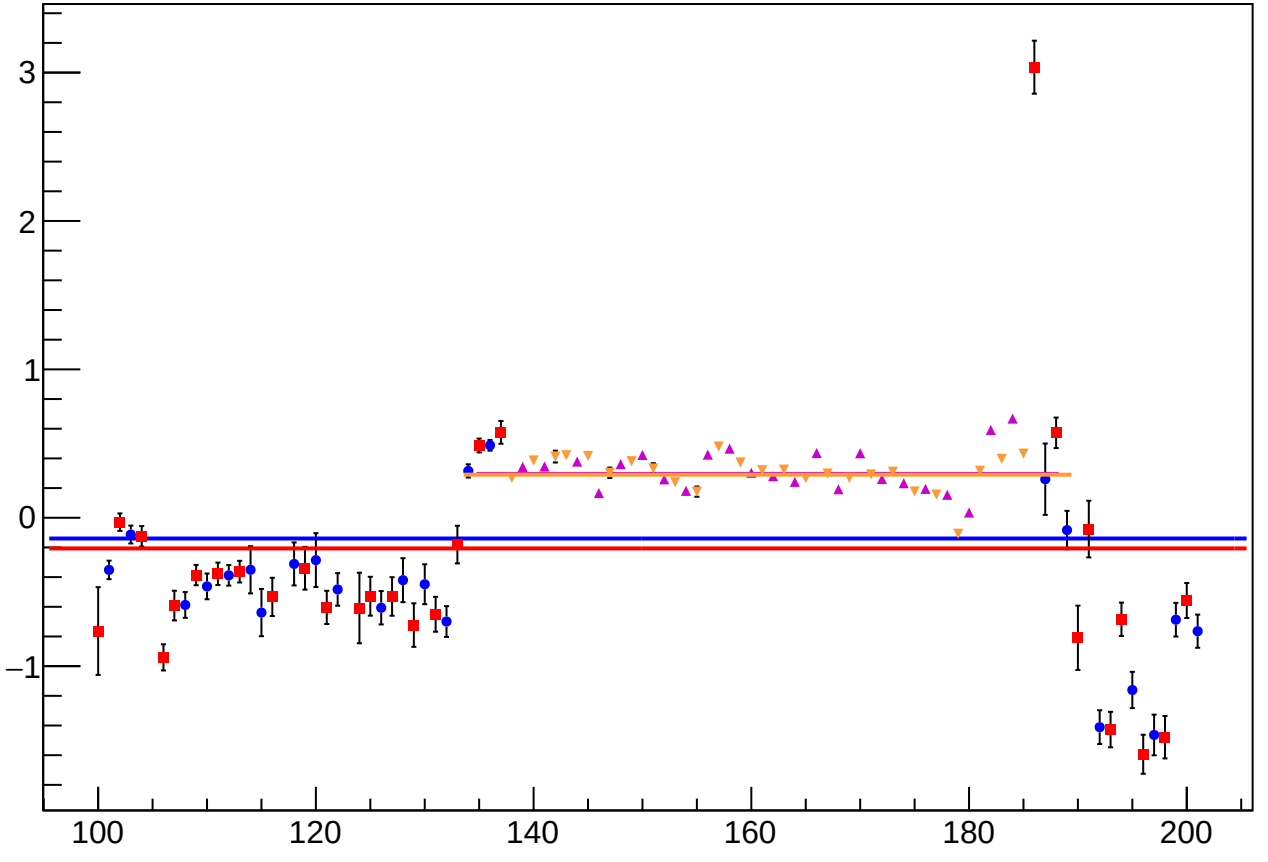
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.527+/-0.096 χ^2/NDF: 4002.7/47

All: 1.630+/-0.069 χ^2/NDF: 6760.9/98

- sign 1.737+/-0.098 χ^2/NDF: 2755.9/50

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: -0.207+/-0.018 χ^2/NDF: 1218.2/27

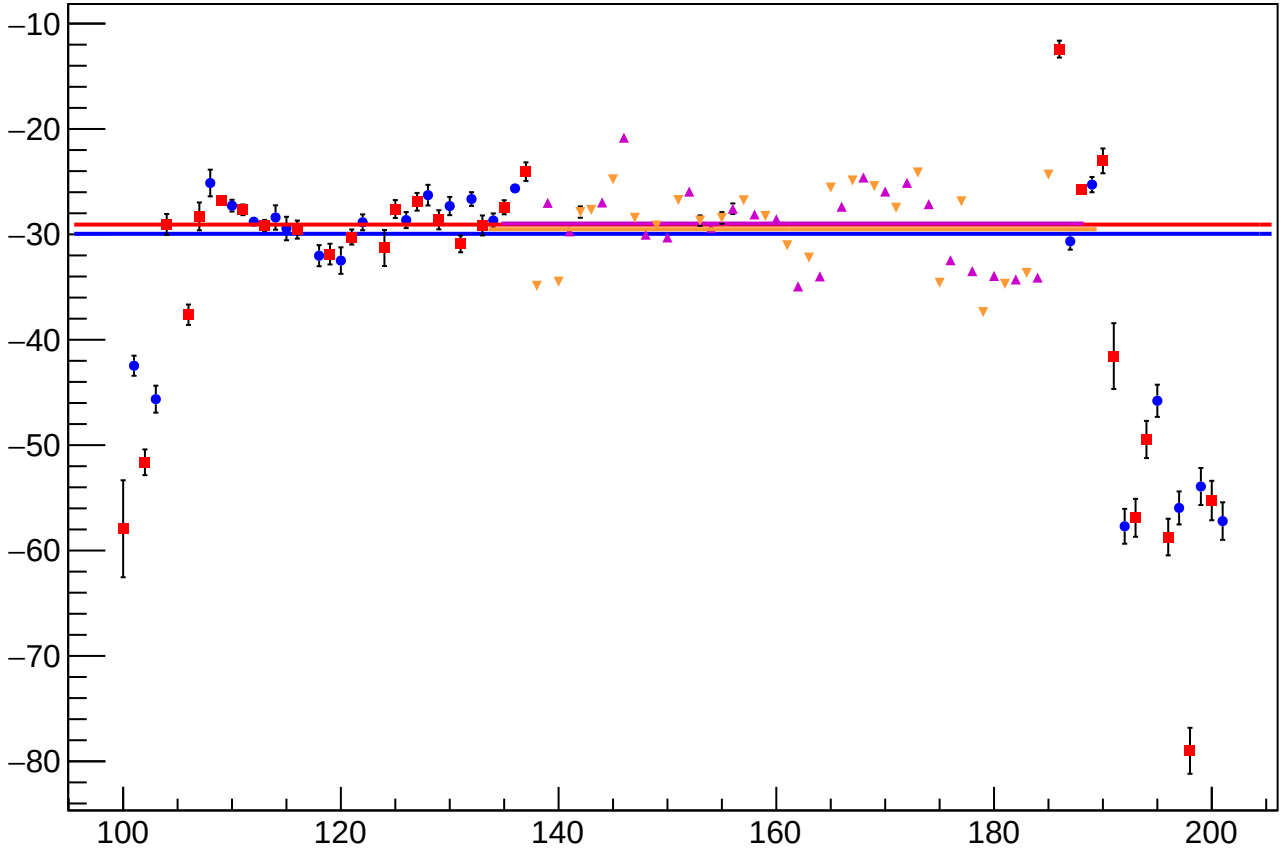
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.264+/-0.004 χ^2/NDF: 2173.3/47

All: 0.265+/-0.003 χ^2/NDF: 5127.5/98

- sign 0.266+/-0.004 χ^2/NDF: 2954.1/50

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: -29.073+/-0.159 χ^2/NDF: 2473.4/27

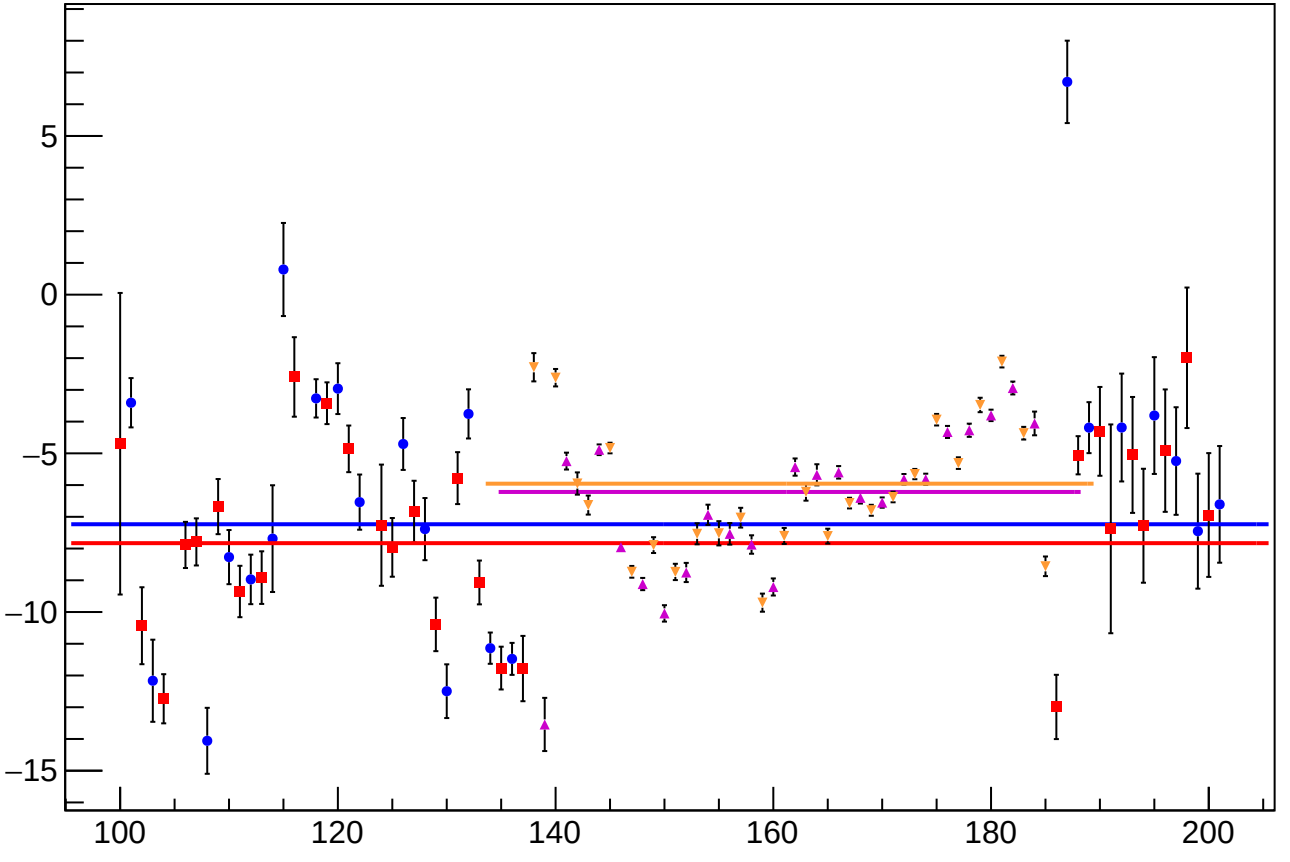
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.558+/-0.053 χ^2/NDF: 7754.4/47

All: -29.271+/-0.038 χ^2/NDF: 15634.5/98

- sign -28.982+/-0.054 χ^2/NDF: 7822.3/50

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: -7.830+/-0.178 χ^2/NDF: 265.0/27

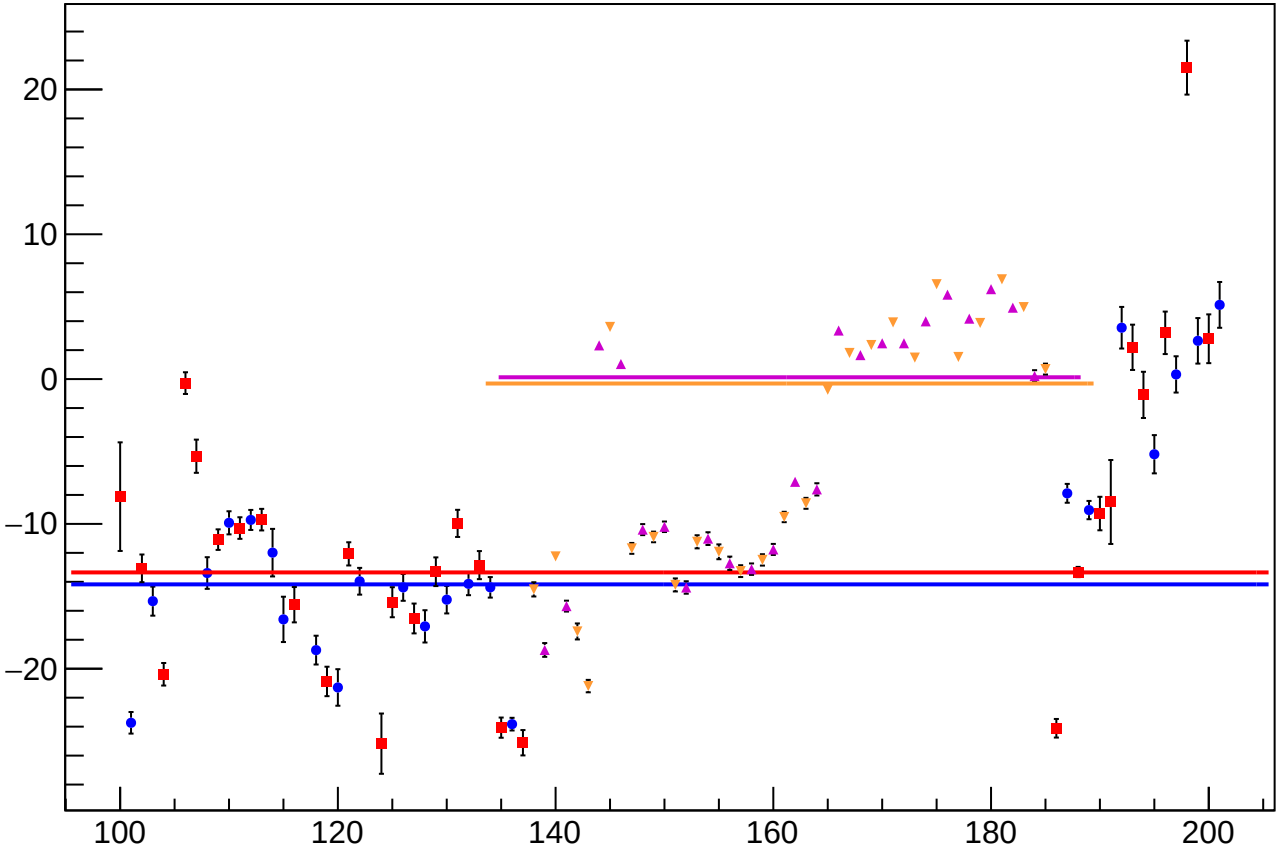
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.028+/-0.043 χ^2/NDF: 2434.8/47

All: -6.170+/-0.030 χ^2/NDF: 4540.4/98

- sign -6.310+/-0.043 χ^2/NDF: 2084.1/50

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: -13.350+/-0.167 χ^2/NDF: 2047.2/27

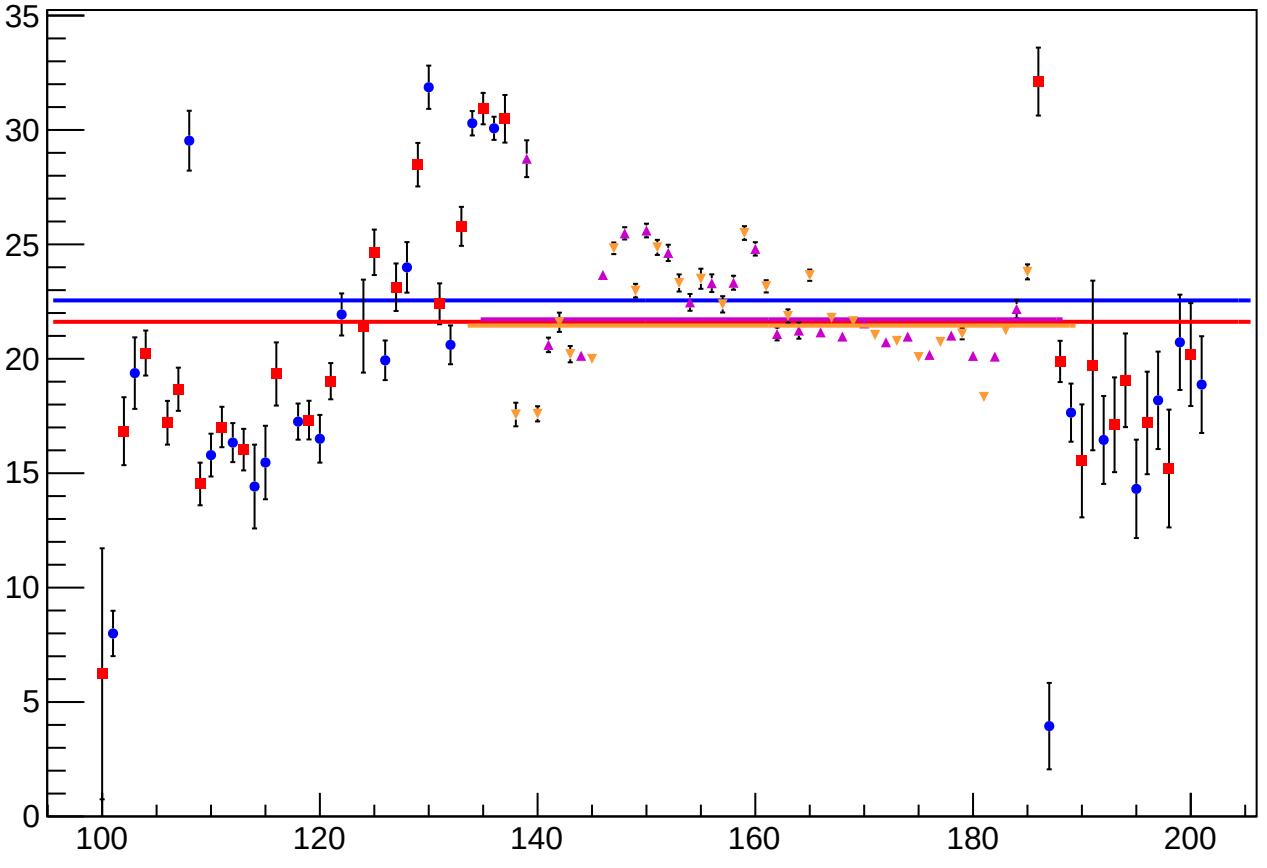
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

\+ sign -1.527+/-0.054 χ^2/NDF: 24017.6/47

All: -1.407+/-0.038 χ^2/NDF: 45773.8/98

\- sign -1.288+/-0.054 χ^2/NDF: 21746.5/50

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: 21.616+/-0.209 χ^2/NDF: 635.3/27

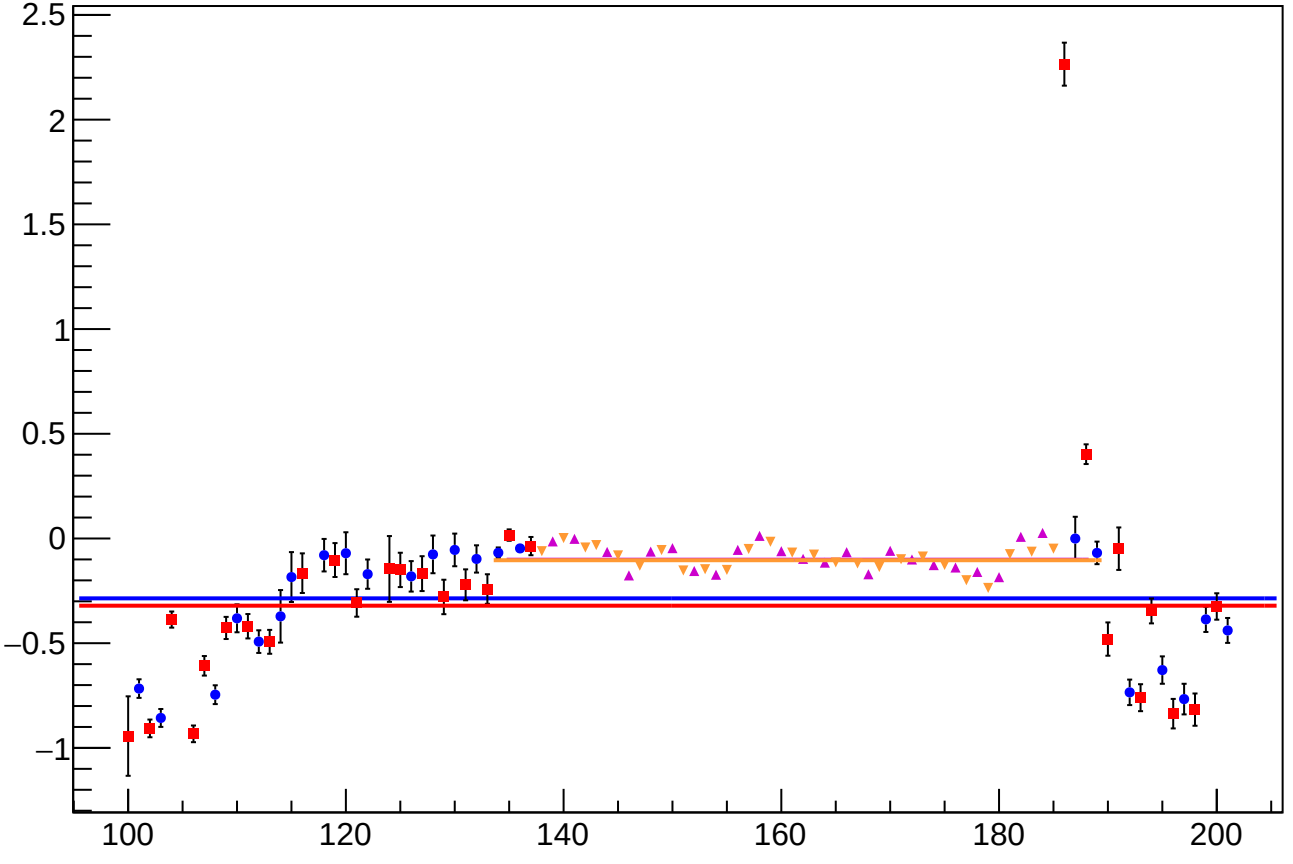
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.506+/-0.048 χ^2/NDF: 2513.9/47

All: 21.613+/-0.034 χ^2/NDF: 4332.9/98

- sign 21.719+/-0.048 χ^2/NDF: 1809.2/50

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: -0.321+/-0.011 χ^2/NDF: 1739.7/27

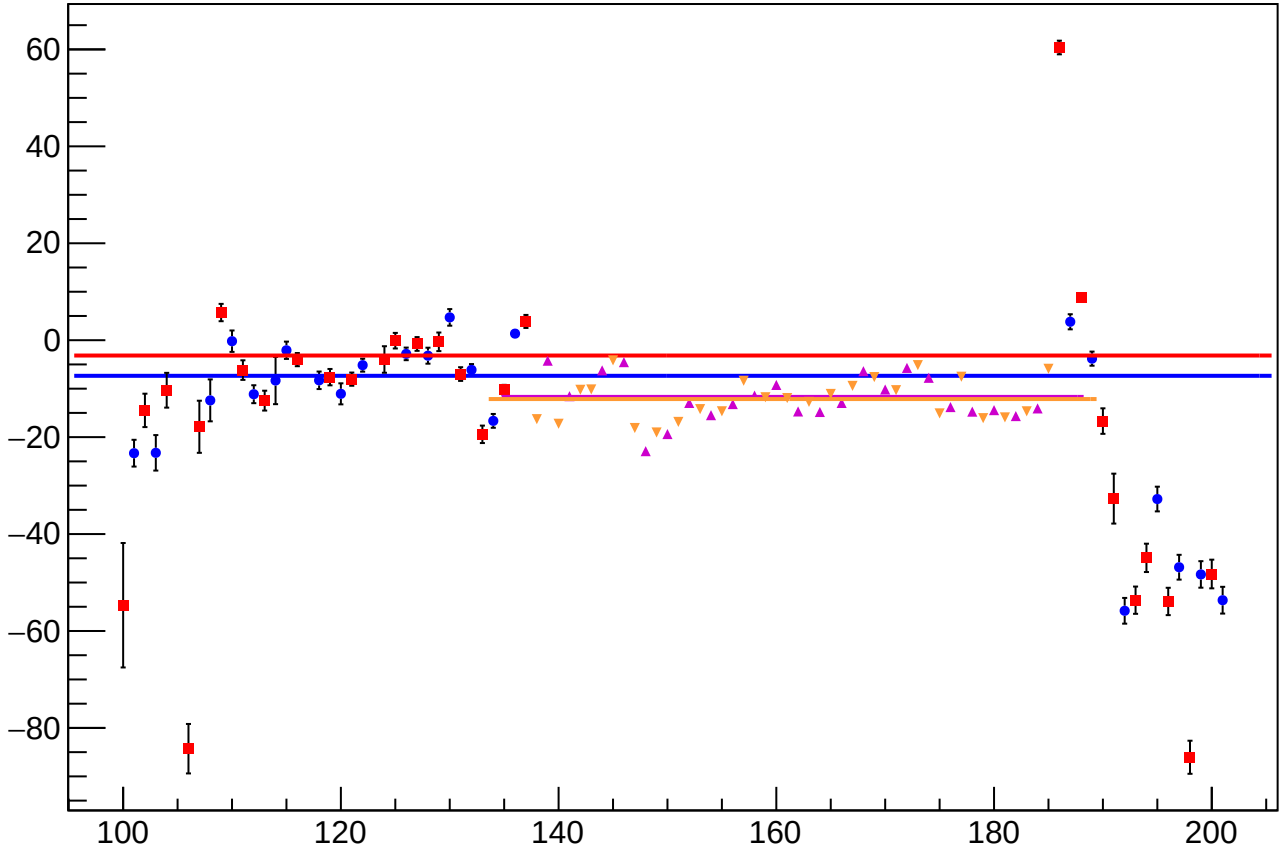
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1635.7/47

All: -0.111+/-0.002 χ^2/NDF: 4526.8/98

- sign -0.110+/-0.002 χ^2/NDF: 2890.9/50

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

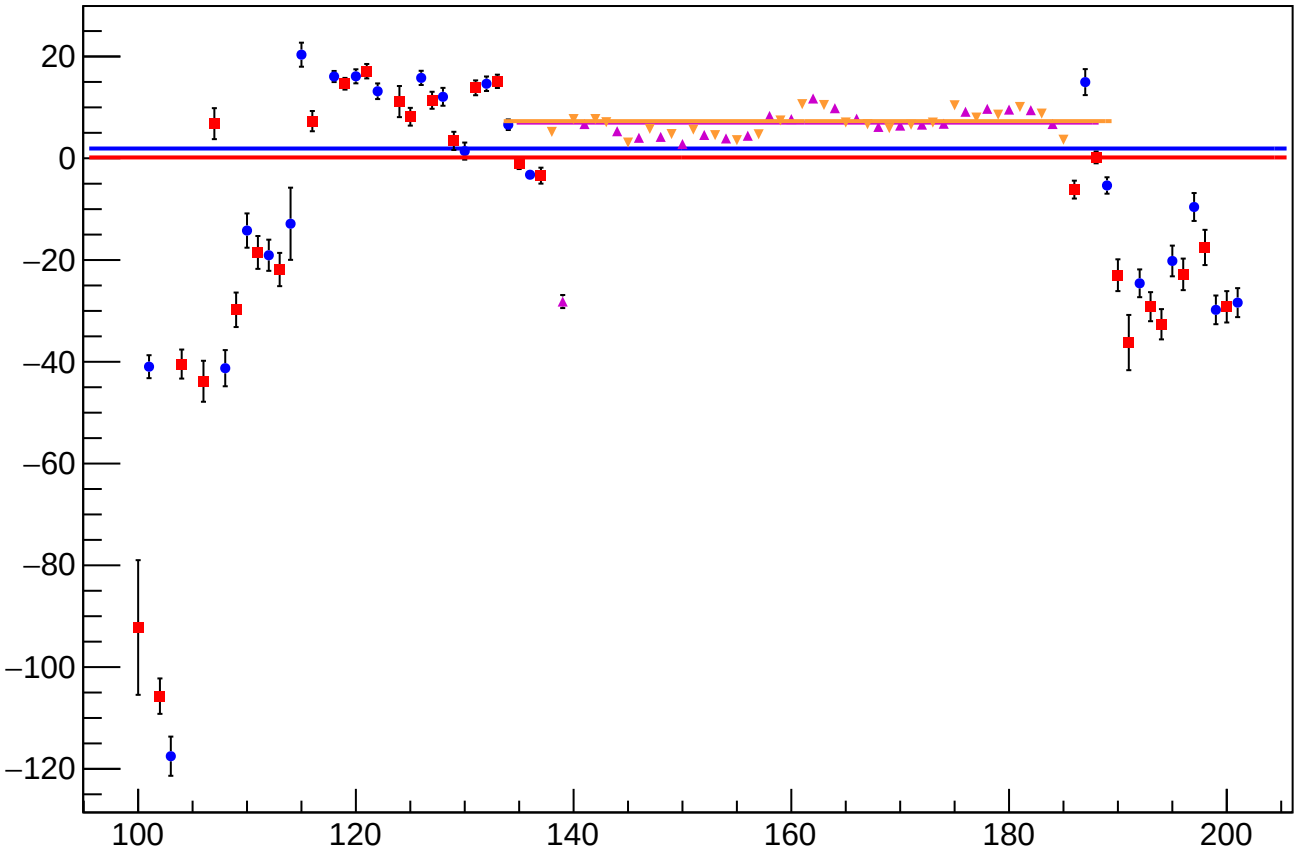
Right Out: -3.162+/-0.338 χ^2/NDF: 4500.9/27

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.826+/-0.088 χ^2/NDF: 3905.1/47

All: -11.464+/-0.063 χ^2/NDF: 10983.5/98

- sign -11.082+/-0.091 χ^2/NDF: 7043.9/50



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: 0.162+/-0.369 χ^2/NDF: 2589.5/27

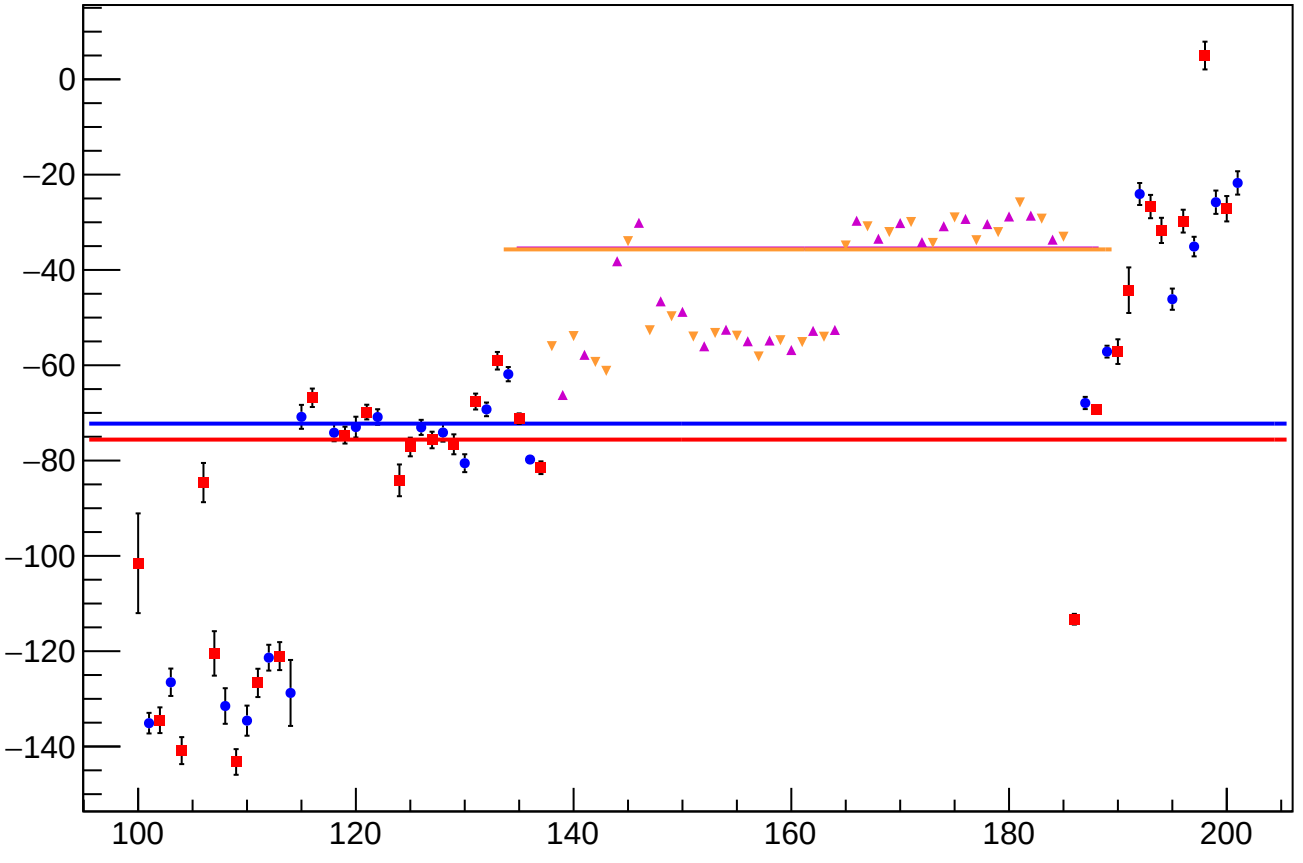
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.068+/-0.073 χ^2/NDF: 3700.4/47

All: 6.900+/-0.052 χ^2/NDF: 8206.3/98

- sign 6.726+/-0.074 χ^2/NDF: 4495.2/50

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: -75.598+/-0.339 χ^2/NDF: 5906.6/27

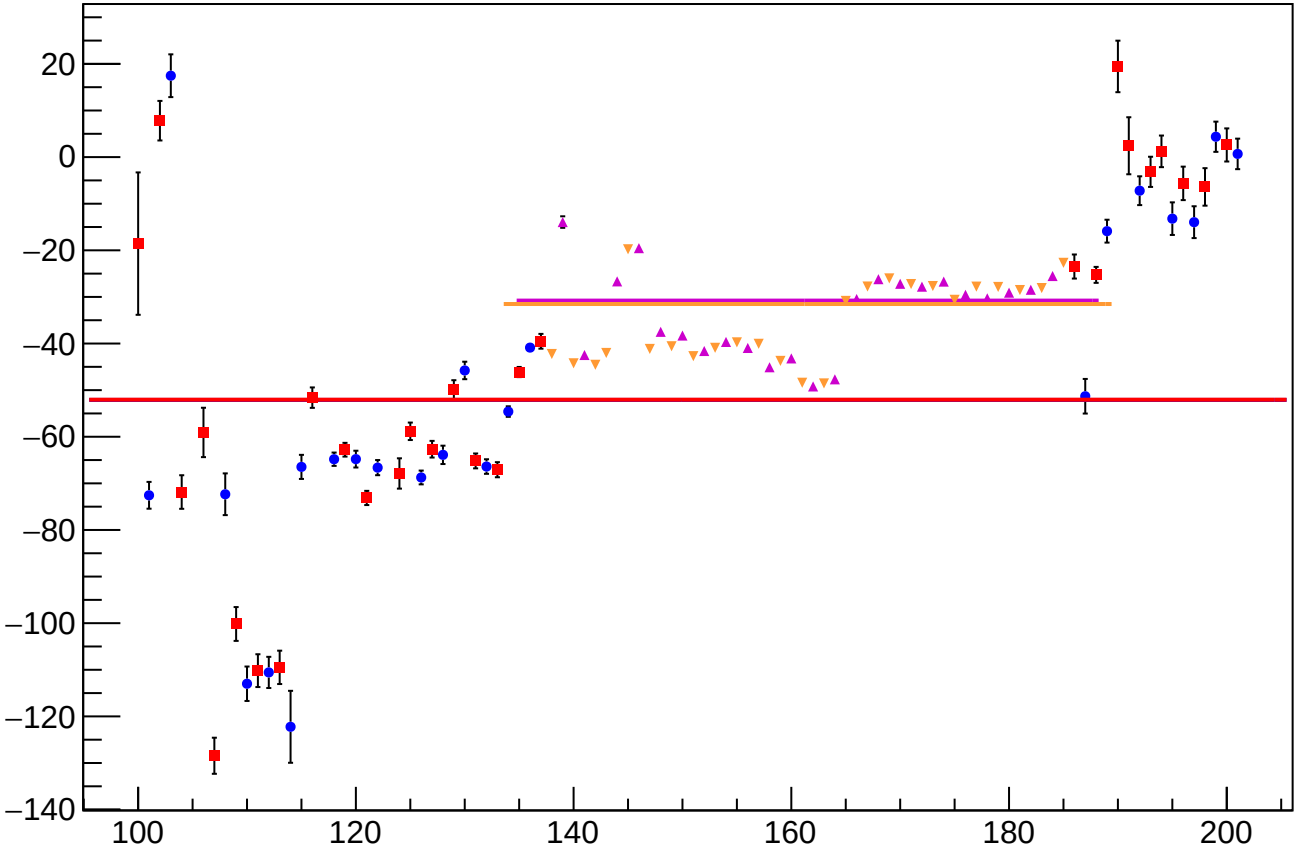
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.012+/-0.089 χ^2/NDF: 27036.0/47

All: -38.200+/-0.064 χ^2/NDF: 57104.5/98

- sign -38.395+/-0.091 χ^2/NDF: 30059.4/50

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: -52.053+/-0.427 χ^2/NDF: 3516.4/27

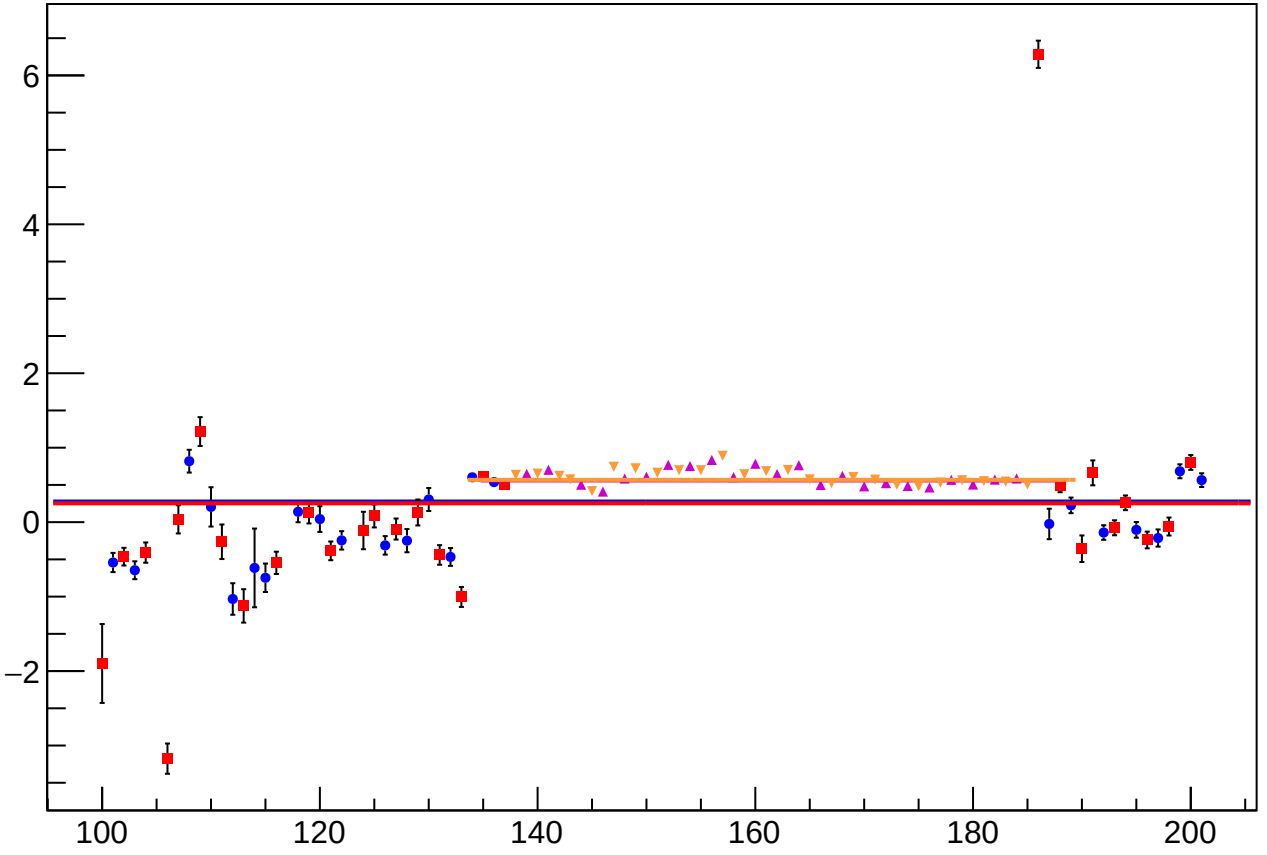
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.361+/-0.081 χ^2/NDF: 13888.1/47

All: -31.981+/-0.058 χ^2/NDF: 27382.1/98

- sign -31.586+/-0.083 χ^2/NDF: 13449.3/50

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: 0.253+/-0.022 χ^2/NDF: 1873.1/27

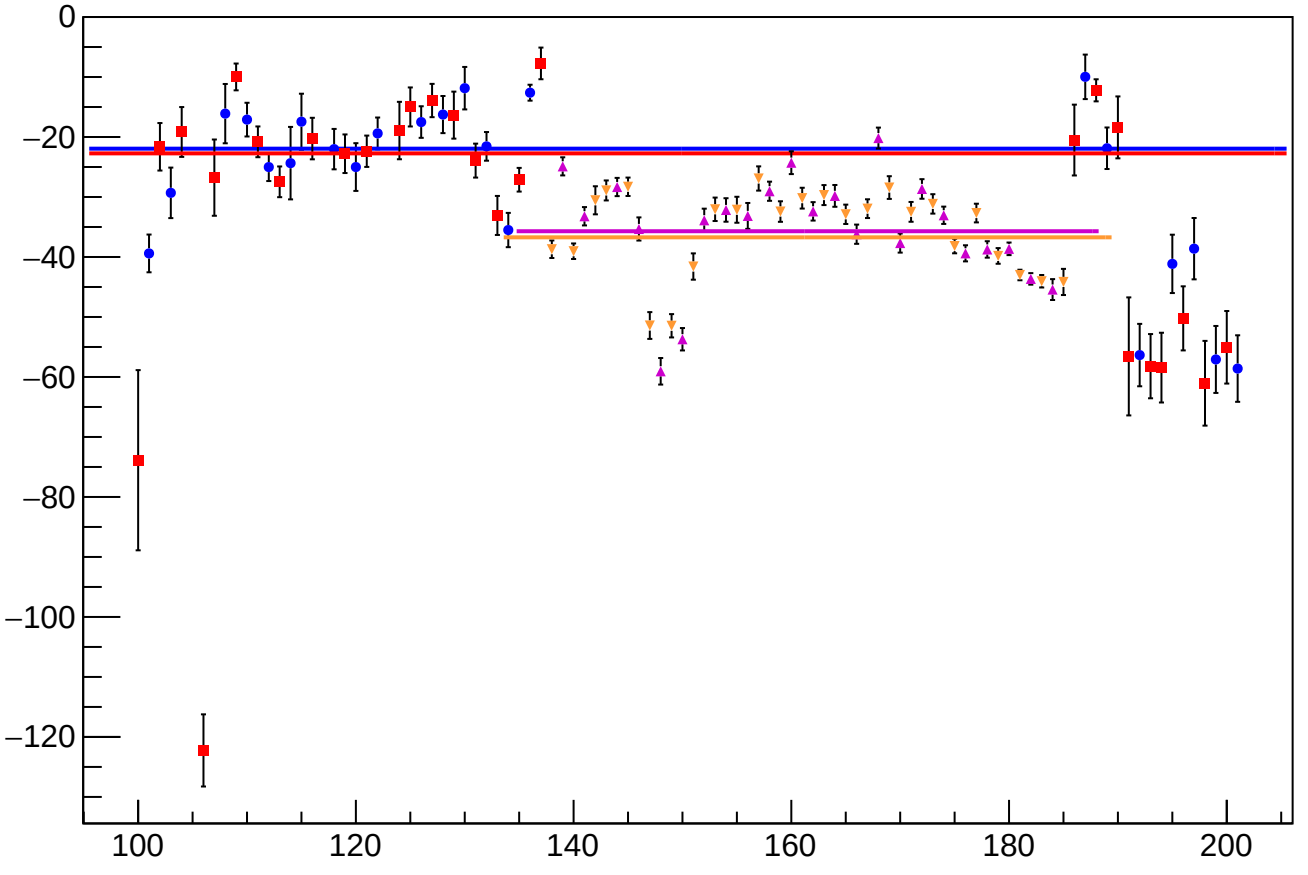
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.559+/-0.004 χ^2/NDF: 1216.3/47

All: 0.555+/-0.003 χ^2/NDF: 3956.3/98

- sign 0.551+/-0.004 χ^2/NDF: 2737.8/50

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: -22.728+/-0.635 χ^2/NDF: 601.7/27

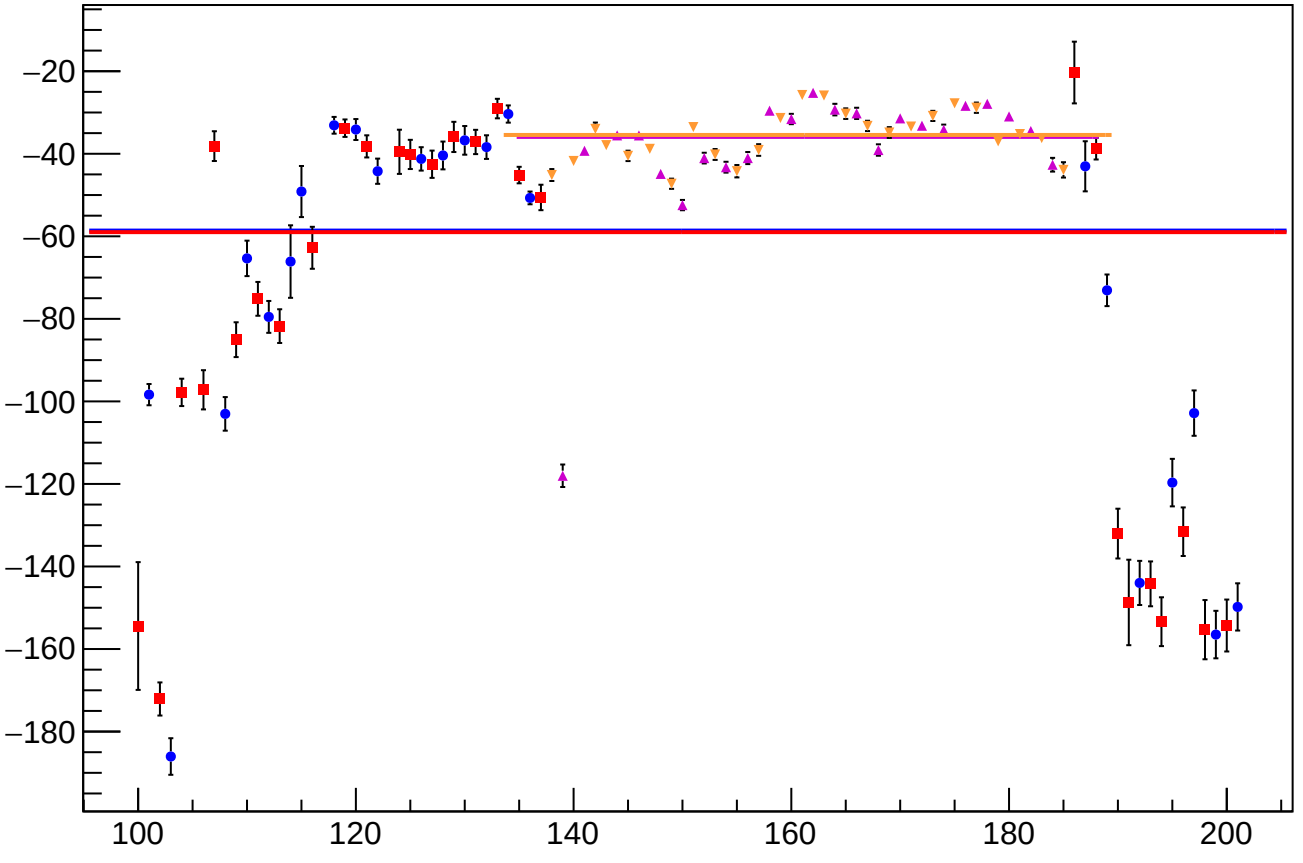
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.942+/-0.279 χ^2/NDF: 1140.7/47

All: -33.502+/-0.201 χ^2/NDF: 2658.2/98

- sign -33.034+/-0.288 χ^2/NDF: 1512.4/50

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: -58.989+/-0.686 χ^2/NDF: 3102.9/27

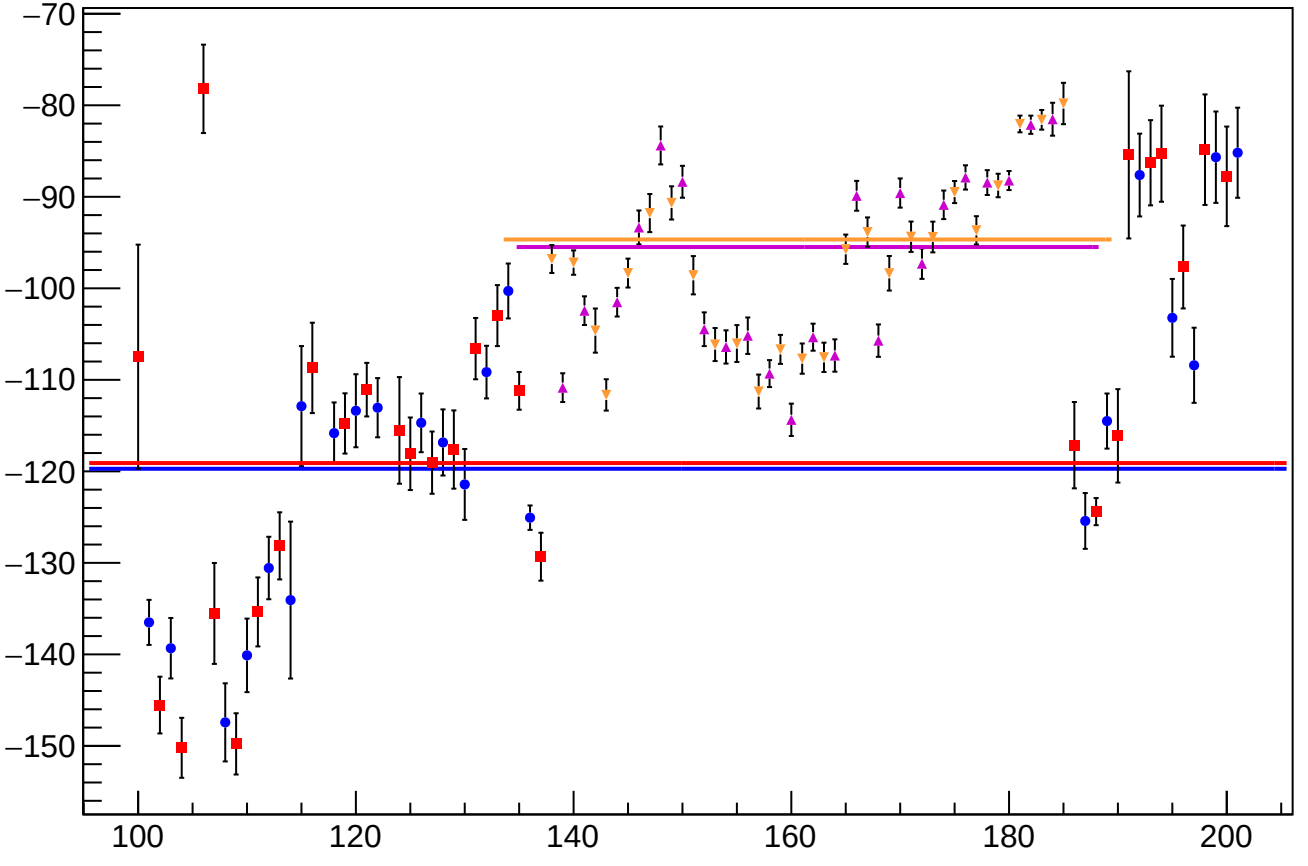
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -38.195+/-0.230 χ^2/NDF: 4455.9/47

All: -38.453+/-0.166 χ^2/NDF: 10096.6/98

- sign -38.733+/-0.240 χ^2/NDF: 5638.1/50

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: -119.093+/-0.659 χ^2/NDF: 640.4/27

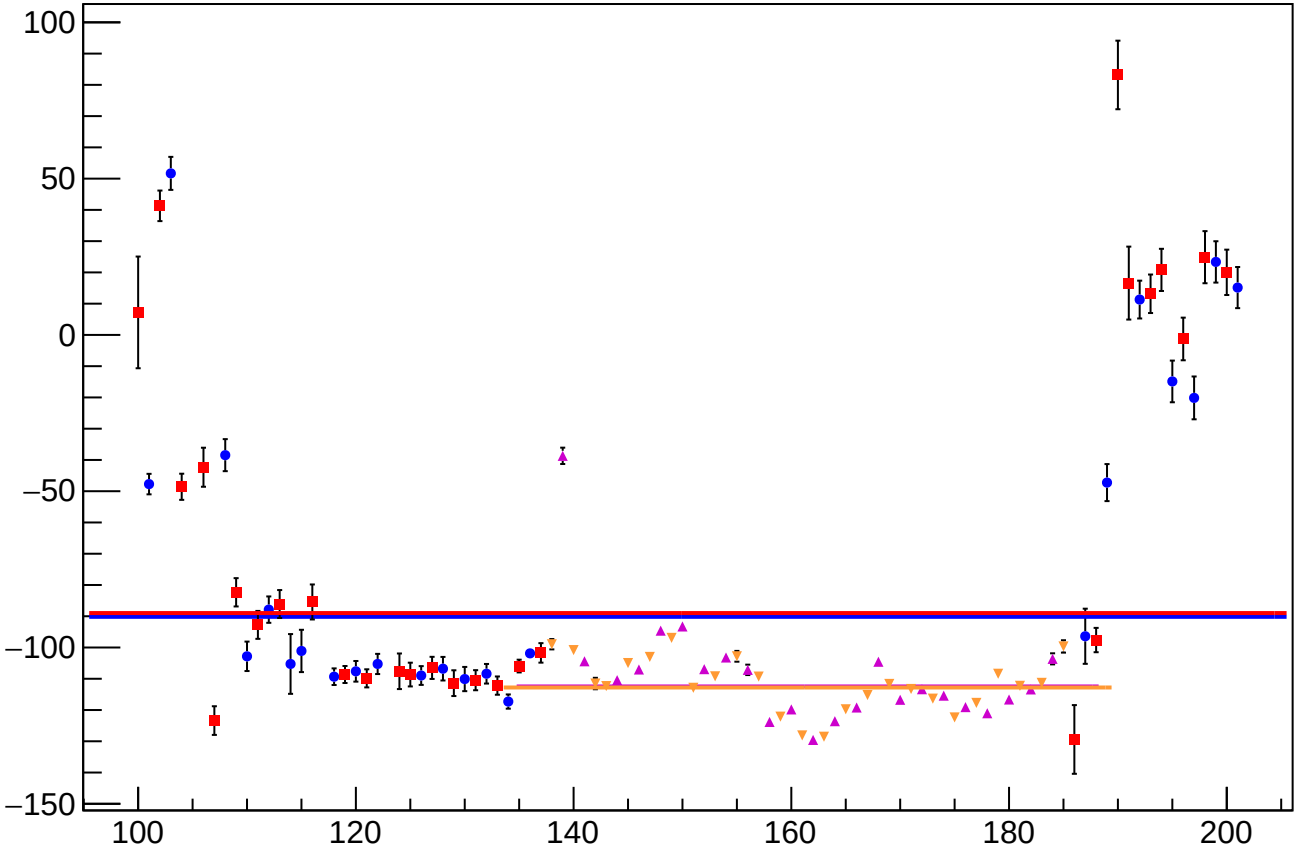
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.098+/-0.281 χ^2/NDF: 2479.3/47

All: -99.544+/-0.201 χ^2/NDF: 5130.8/98

- sign -100.016+/-0.289 χ^2/NDF: 2646.3/50

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: -88.981+/-0.790 χ^2/NDF: 2803.0/27

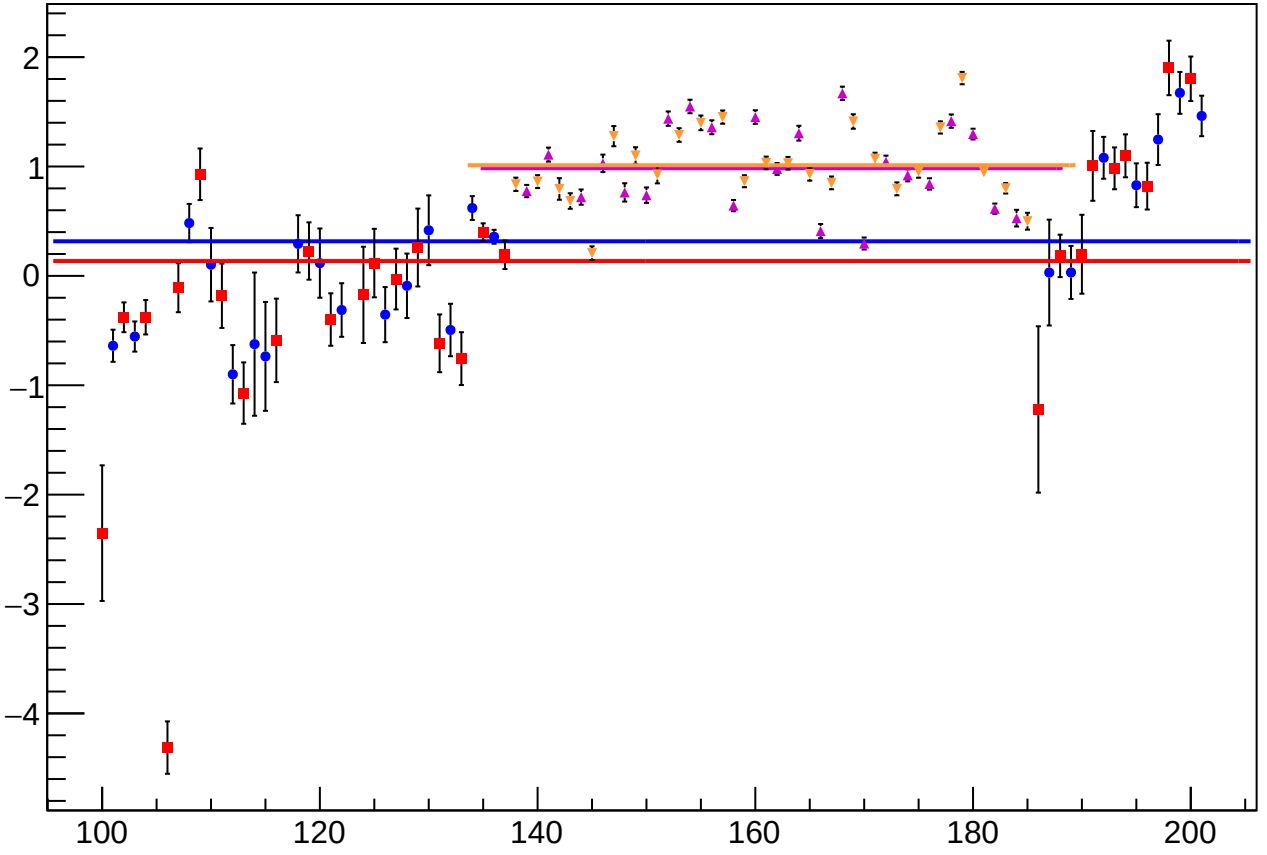
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -110.169+/-0.258 χ^2/NDF: 4267.9/47

All: -109.975+/-0.186 χ^2/NDF: 9642.3/98

- sign -109.765+/-0.268 χ^2/NDF: 5373.2/50

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: 0.136+/-0.039 χ^2/NDF: 642.3/27

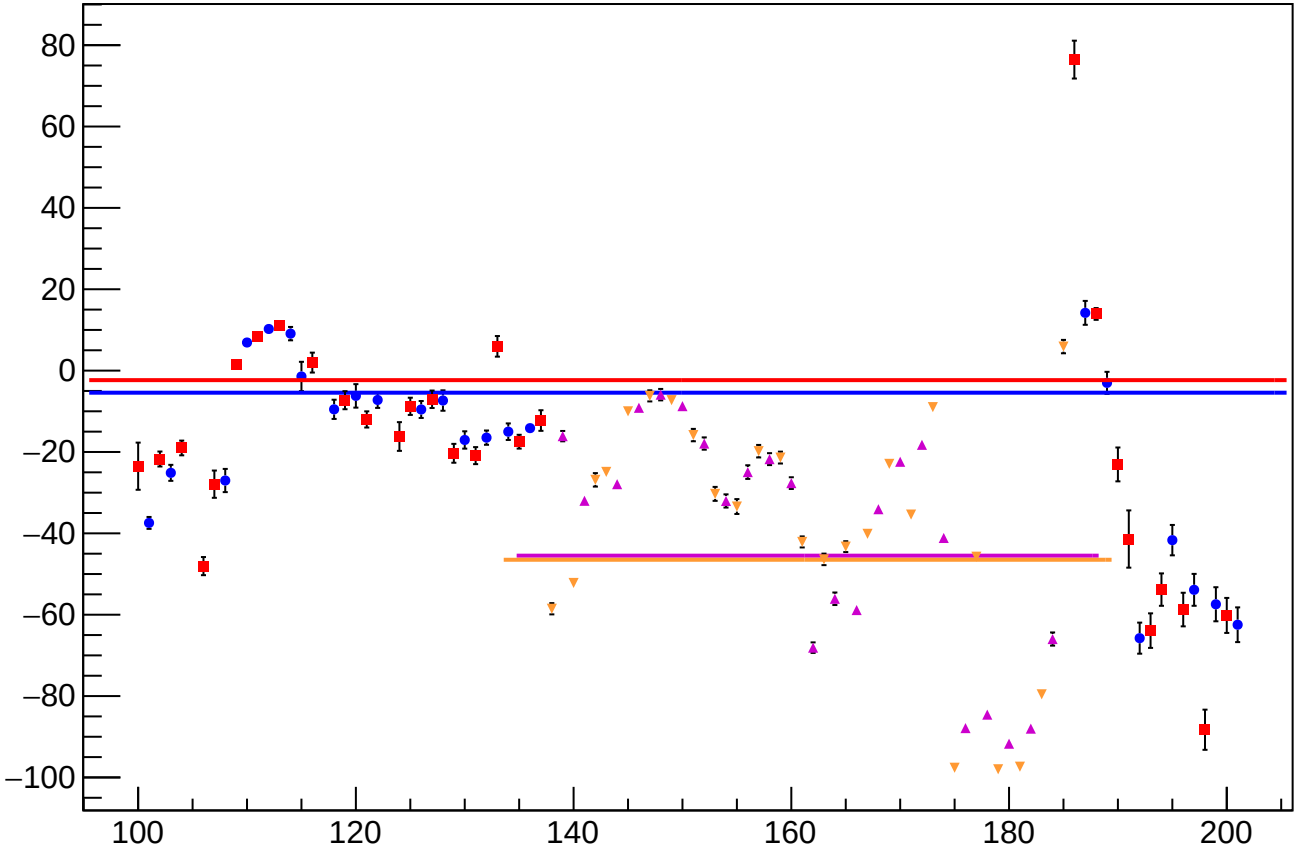
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.942+/-0.012 χ^2/NDF: 1287.6/47

All: 0.924+/-0.008 χ^2/NDF: 3264.3/98

- sign 0.905+/-0.012 χ^2/NDF: 1971.6/50

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: -2.340+/-0.323 χ^2/NDF: 3046.6/27

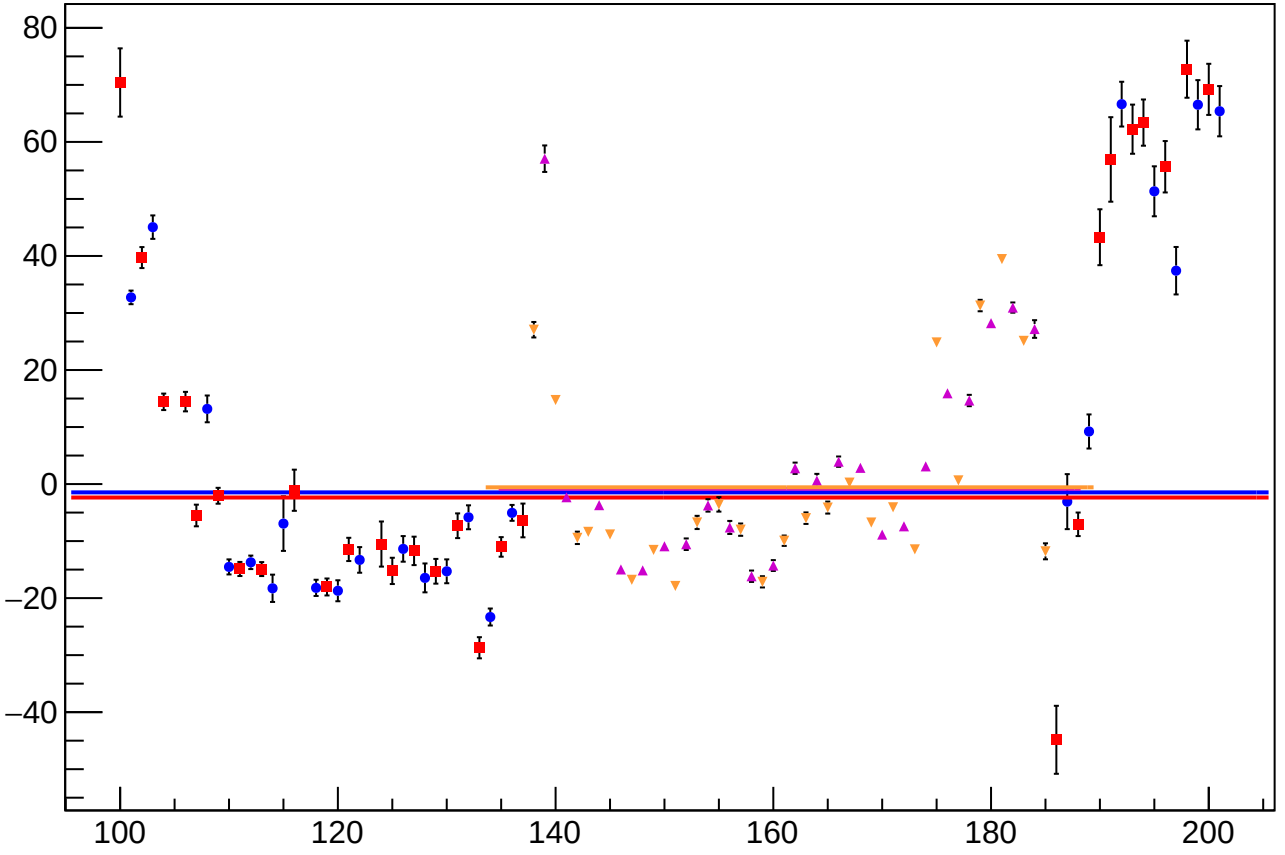
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.695+/-0.194 χ^2/NDF: 31627.7/47

All: -32.471+/-0.136 χ^2/NDF: 62093.5/98

- sign -30.312+/-0.191 χ^2/NDF: 30207.4/50

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: -2.359+/-0.402 χ^2/NDF: 2904.1/27

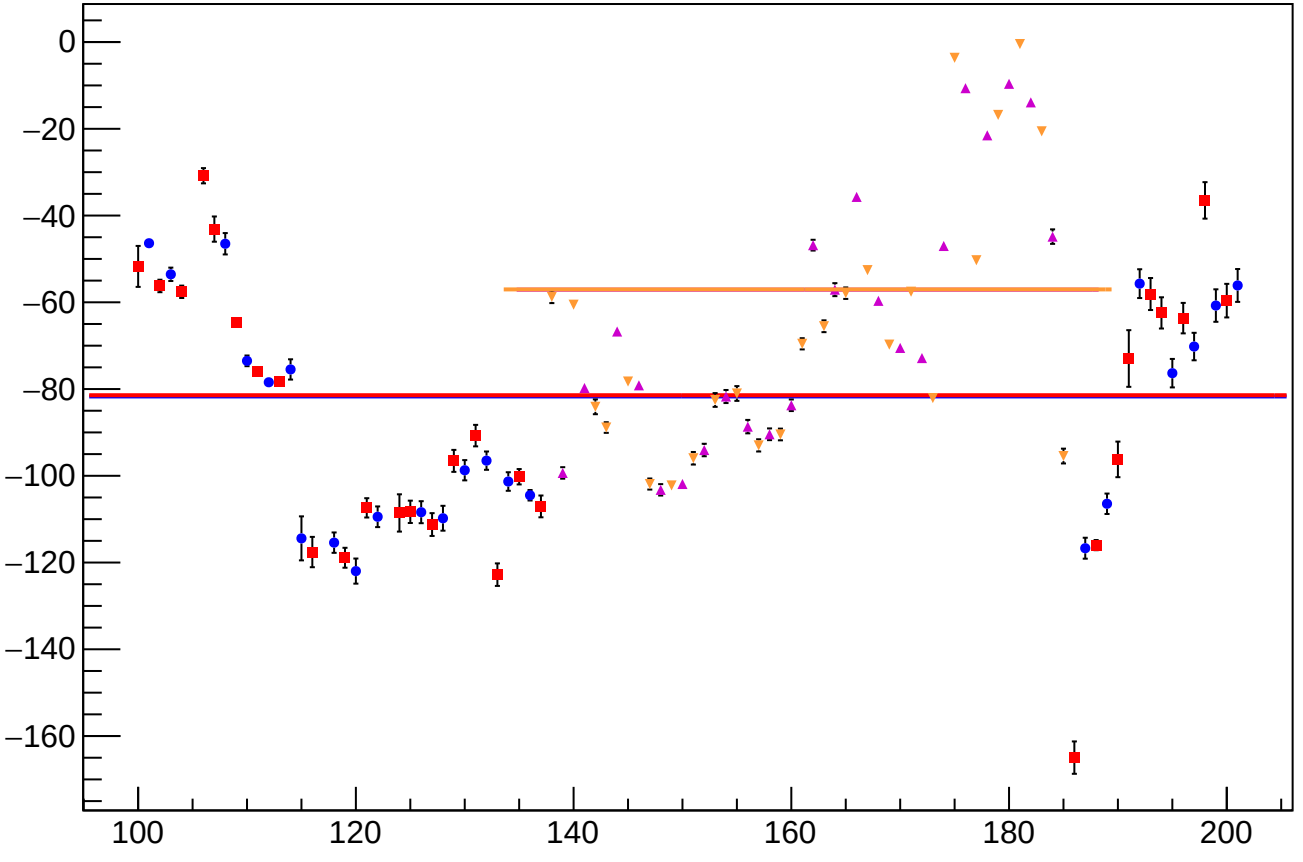
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.709+/-0.163 χ^2/NDF: 11685.1/47

All: -0.896+/-0.116 χ^2/NDF: 20720.4/98

- sign -1.091+/-0.167 χ^2/NDF: 9032.7/50

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: -81.425+/-0.378 χ^2/NDF: 4850.0/27

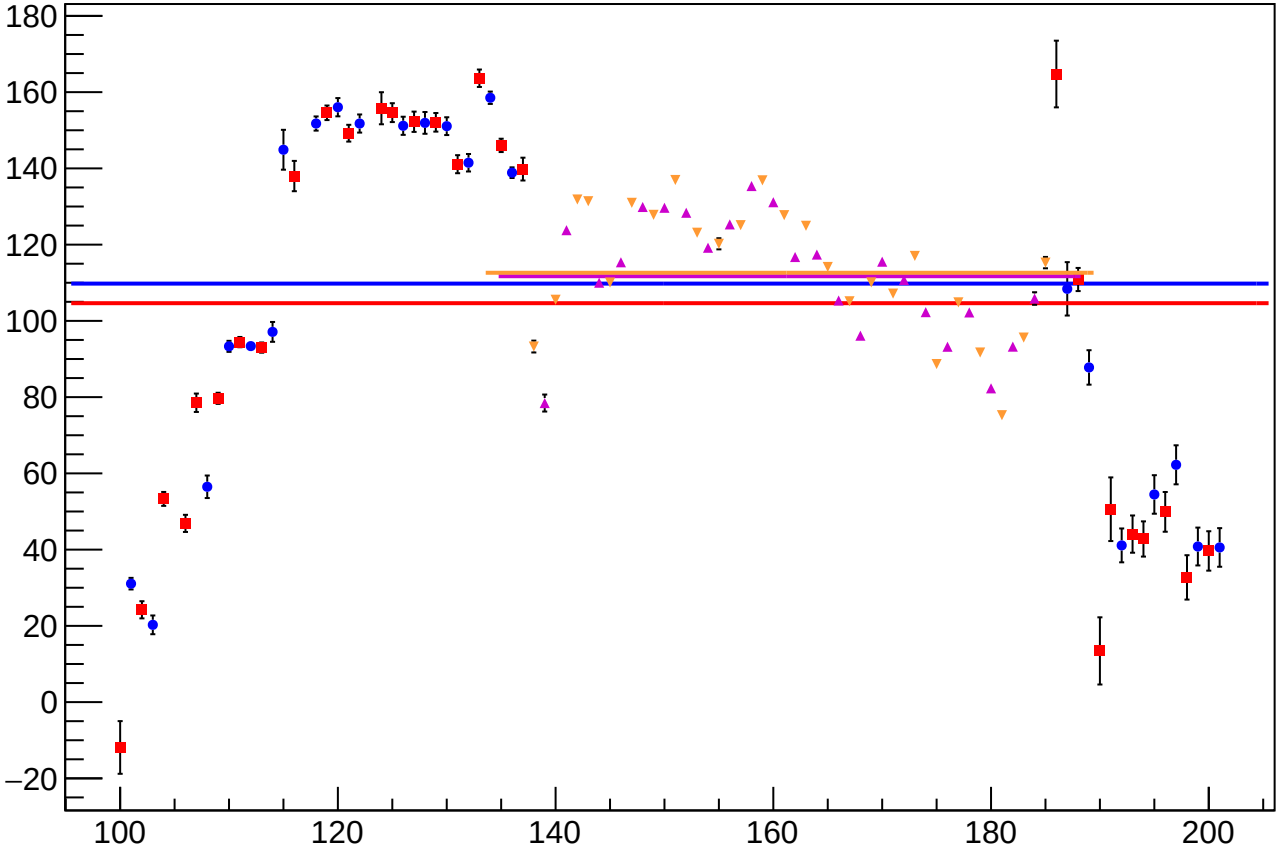
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.954+/-0.200 χ^2/NDF: 26423.0/47

All: -63.445+/-0.142 χ^2/NDF: 51429.2/98

- sign -63.938+/-0.201 χ^2/NDF: 24994.2/50

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: 104.643+/-0.462 χ^2/NDF: 8534.6/27

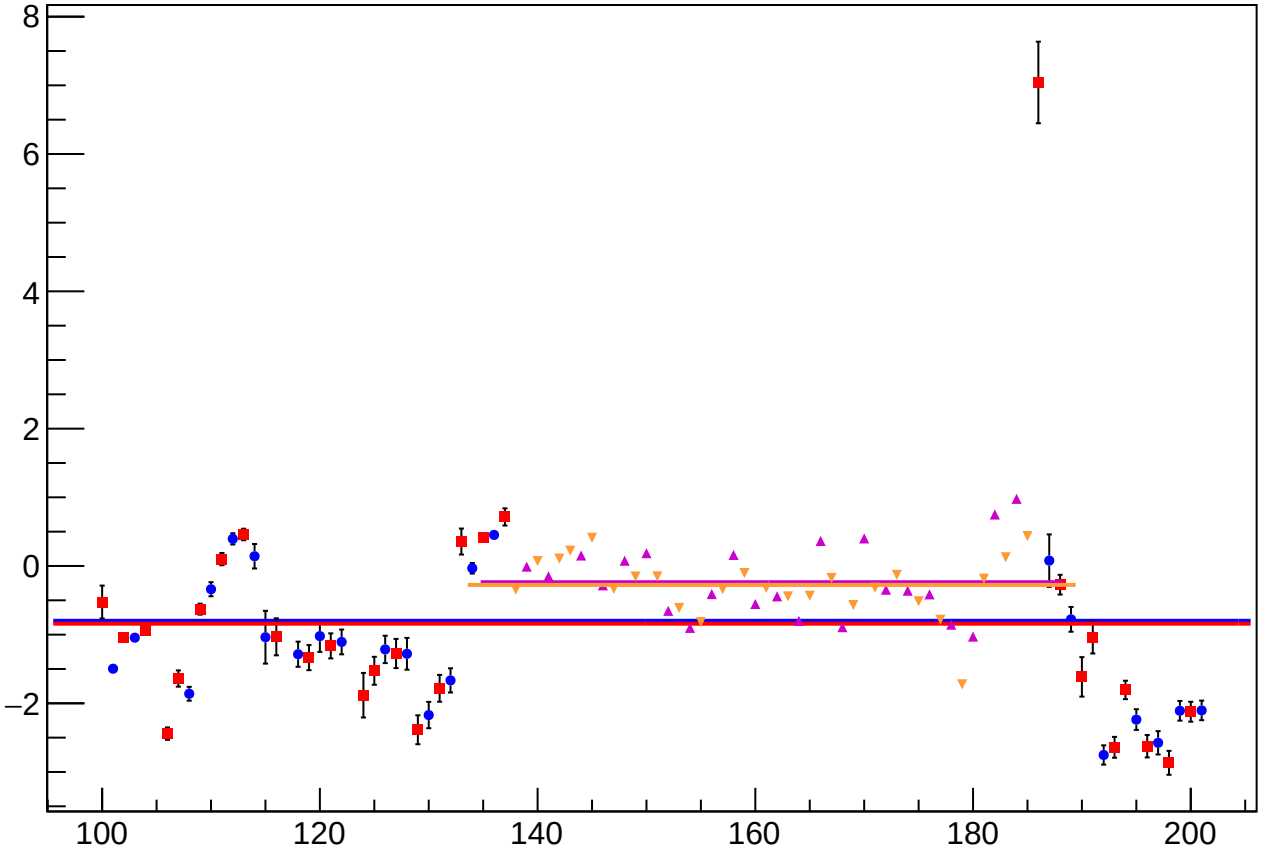
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.194+/-0.184 χ^2/NDF: 15838.6/47

All: 111.387+/-0.132 χ^2/NDF: 29505.3/98

- sign 110.544+/-0.188 χ^2/NDF: 13627.4/50

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: -0.841+/-0.023 χ^2/NDF: 2093.3/27

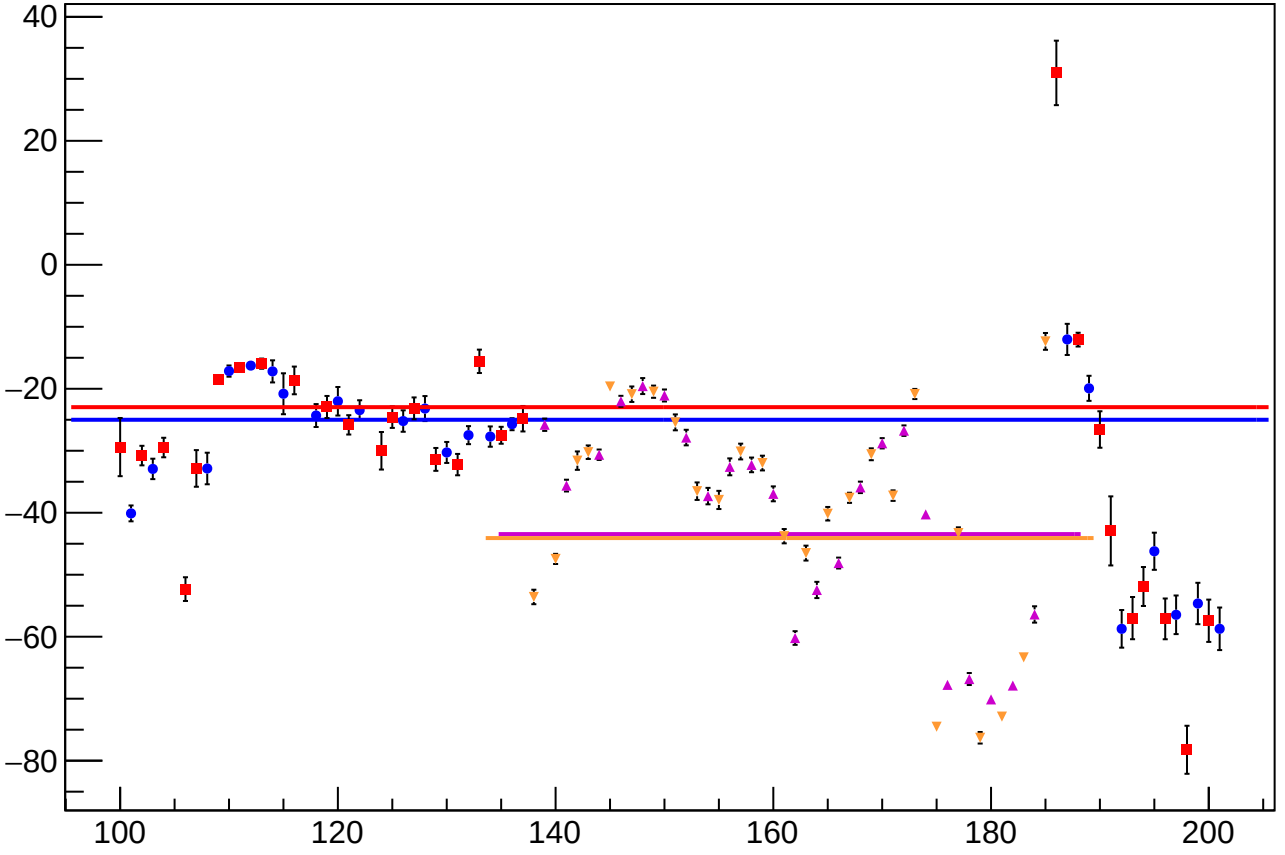
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.341+/-0.008 χ^2/NDF: 4287.4/47

All: -0.330+/-0.006 χ^2/NDF: 9935.6/98

- sign -0.319+/-0.009 χ^2/NDF: 5644.7/50

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: -22.967+/-0.300 χ^2/NDF: 1371.1/27

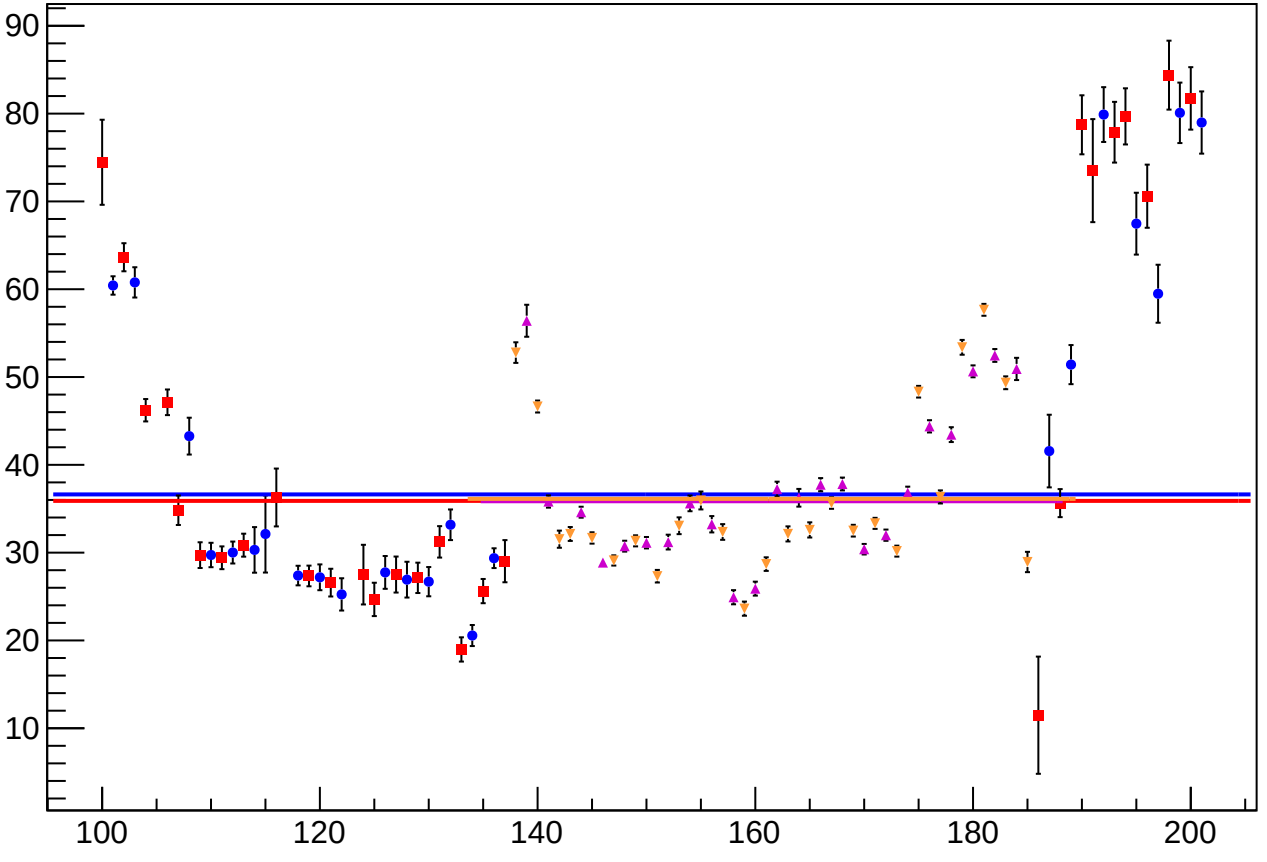
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

\+ sign -39.237+/-0.167 χ^2/NDF: 13731.2/47

All: -38.217+/-0.118 χ^2/NDF: 26230.2/98

\- sign -37.210+/-0.166 χ^2/NDF: 12424.6/50

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: 35.894+/-0.351 χ^2/NDF: 1902.8/27

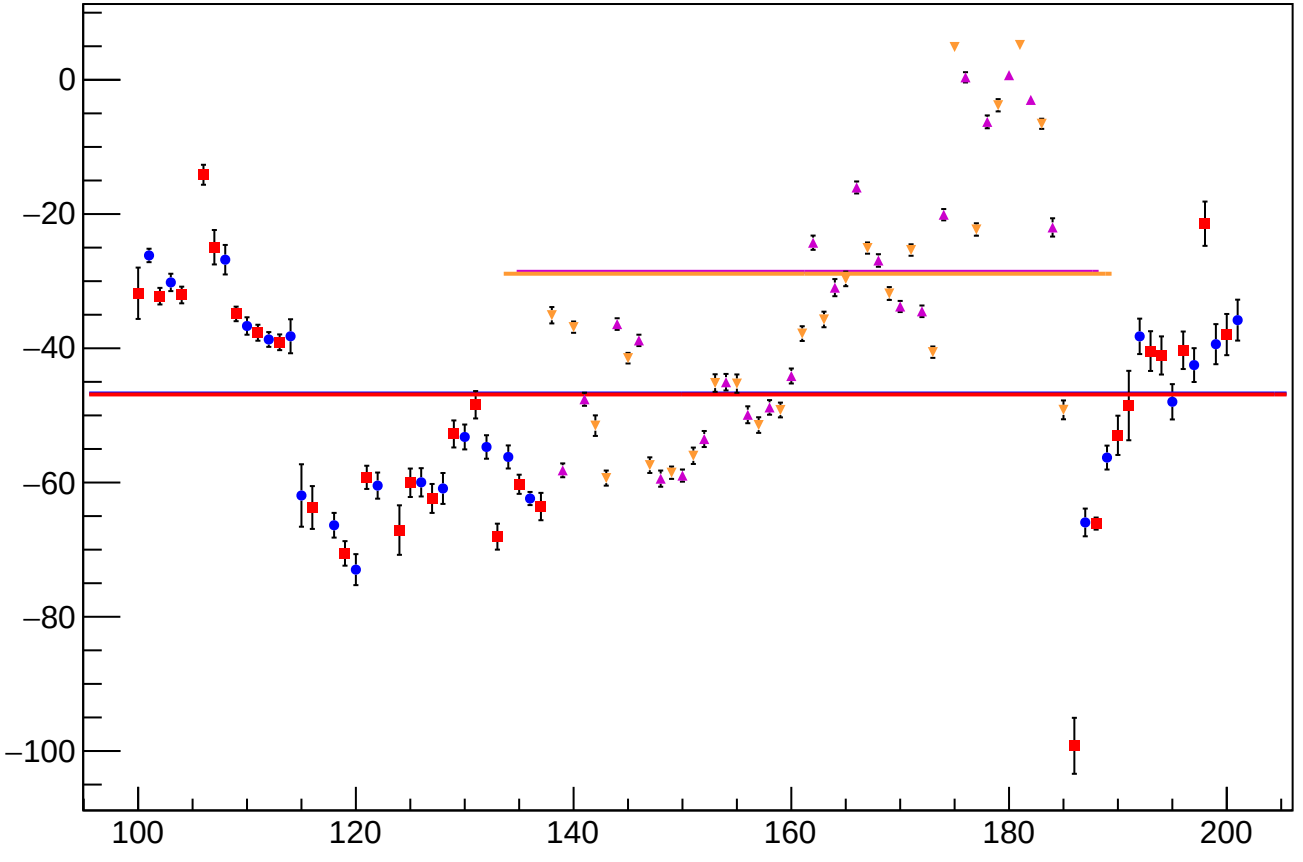
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.199+/-0.138 χ^2/NDF: 5461.6/47

All: 36.033+/-0.099 χ^2/NDF: 9660.9/98

- sign 35.859+/-0.142 χ^2/NDF: 4196.3/50

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: -46.876+/-0.333 χ^2/NDF: 2434.4/27

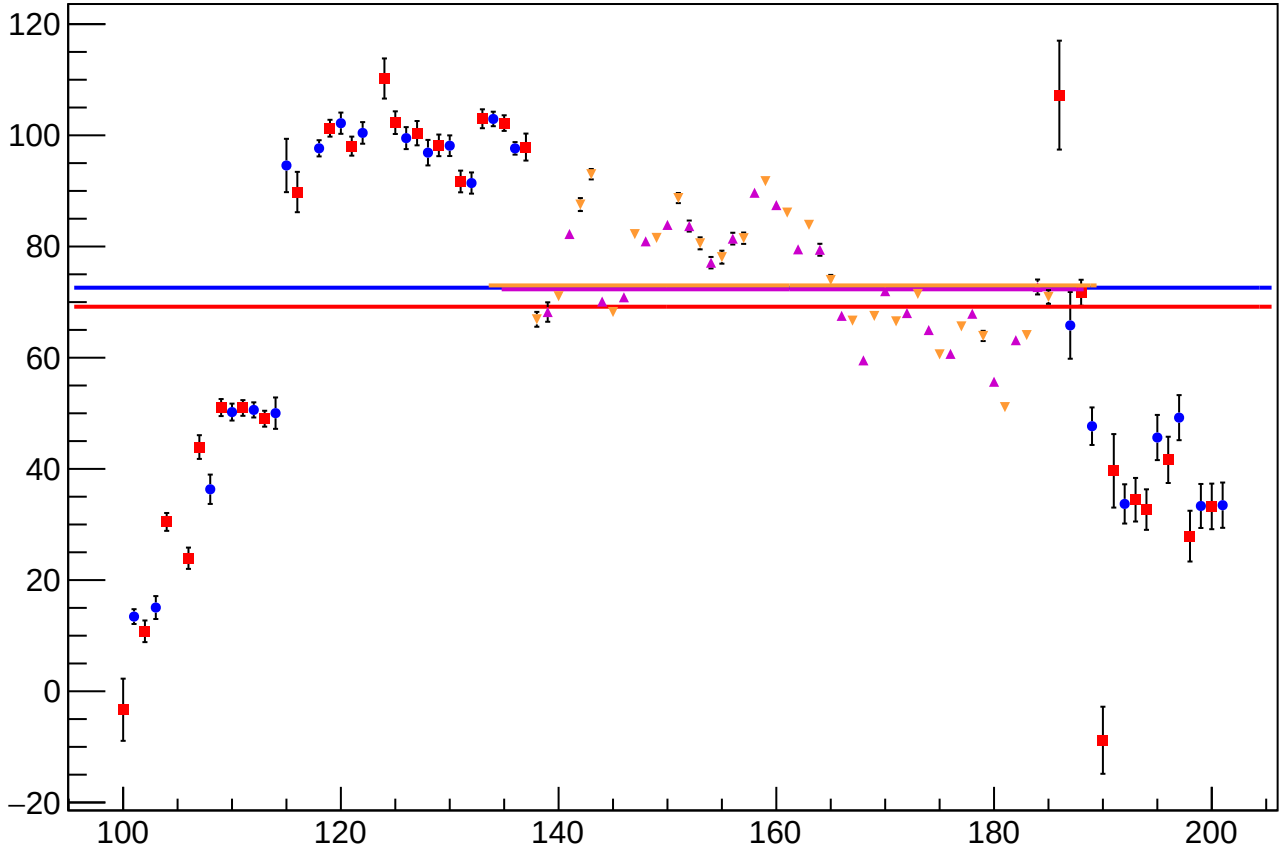
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

\+ sign -32.899+/-0.170 χ^2/NDF: 15362.8/47

All: -33.130+/-0.120 χ^2/NDF: 30037.8/98

\- sign -33.362+/-0.170 χ^2/NDF: 14671.3/50

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: 69.172+/-0.406 χ^2/NDF: 6241.5/27

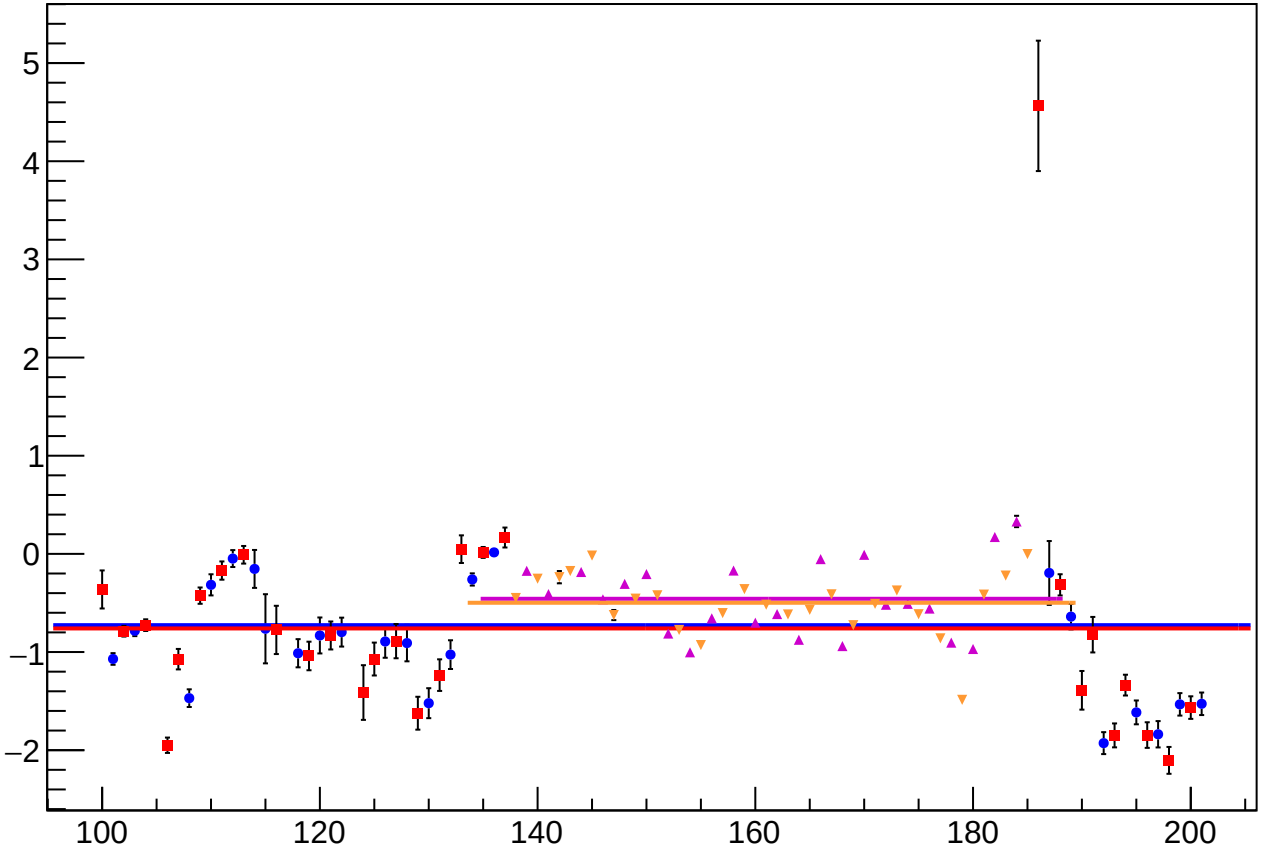
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.943+/-0.156 χ^2/NDF: 10359.3/47

All: 72.394+/-0.111 χ^2/NDF: 19589.1/98

- sign 71.819+/-0.159 χ^2/NDF: 9204.4/50

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: -0.760+/-0.020 χ^2/NDF: 1147.5/27

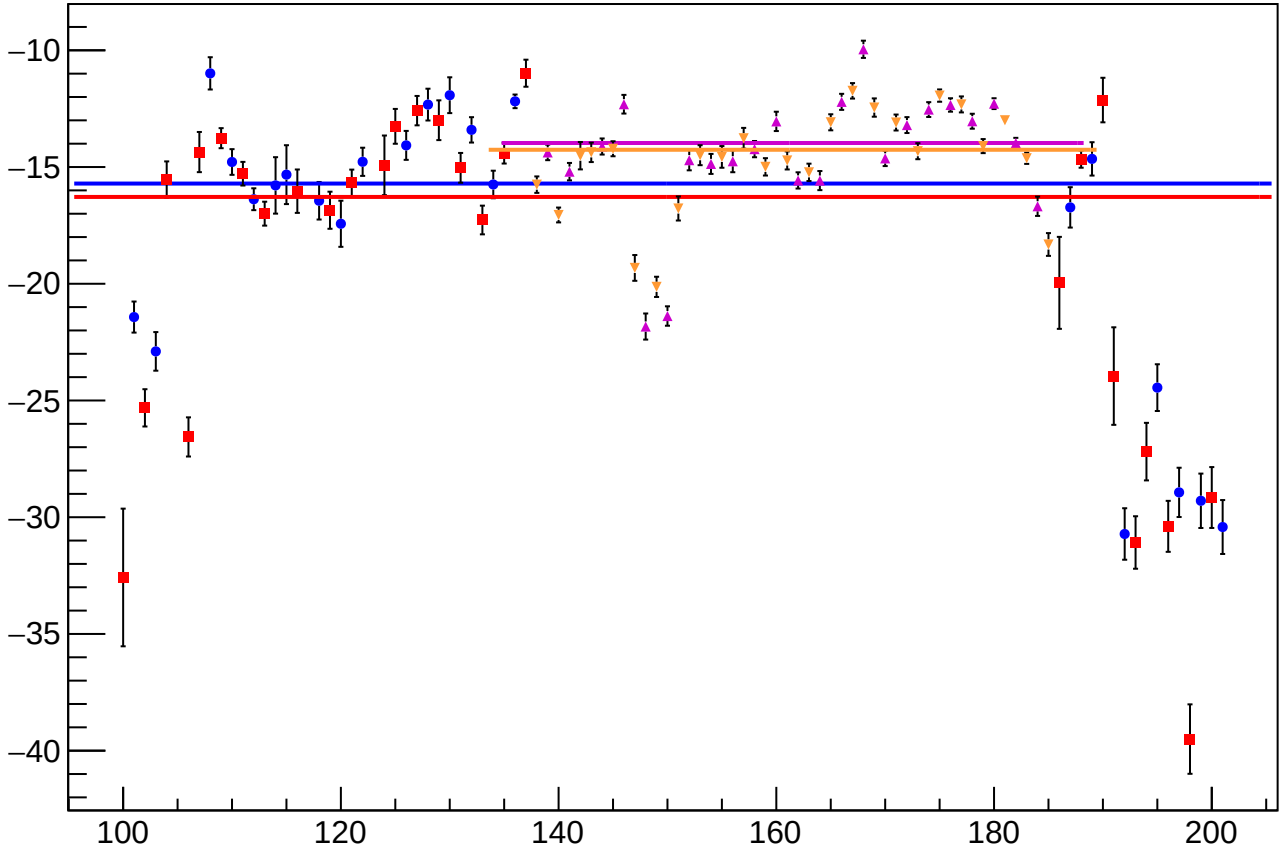
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.526+/-0.007 χ^2/NDF: 2481.1/47

All: -0.511+/-0.005 χ^2/NDF: 5940.7/98

- sign -0.497+/-0.007 χ^2/NDF: 3451.0/50

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: -16.281+/-0.133 χ^2/NDF: 1346.6/27

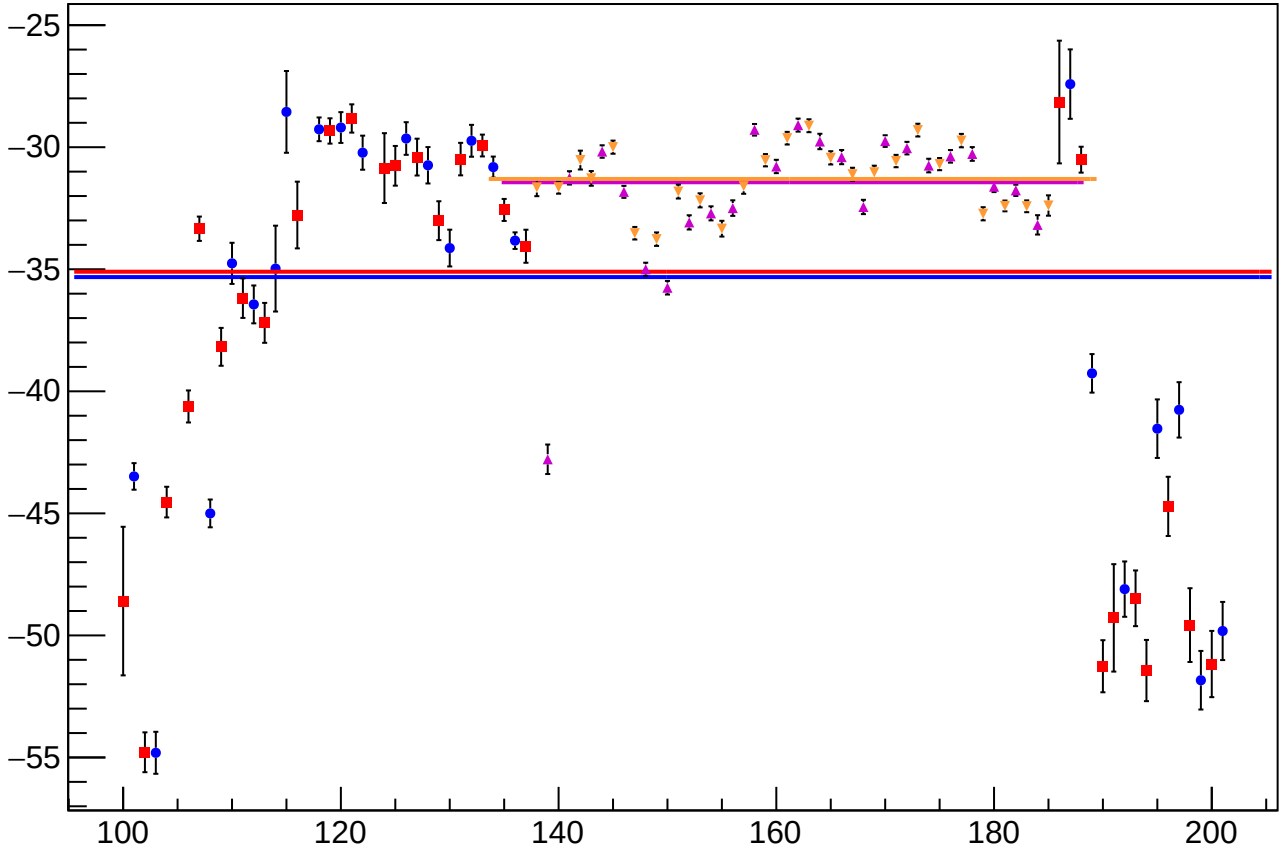
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.554+/-0.062 χ^2/NDF: 1958.7/47

All: -14.524+/-0.044 χ^2/NDF: 4447.8/98

- sign -14.494+/-0.063 χ^2/NDF: 2488.7/50

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: -35.101+/-0.141 χ^2/NDF: 2432.1/27

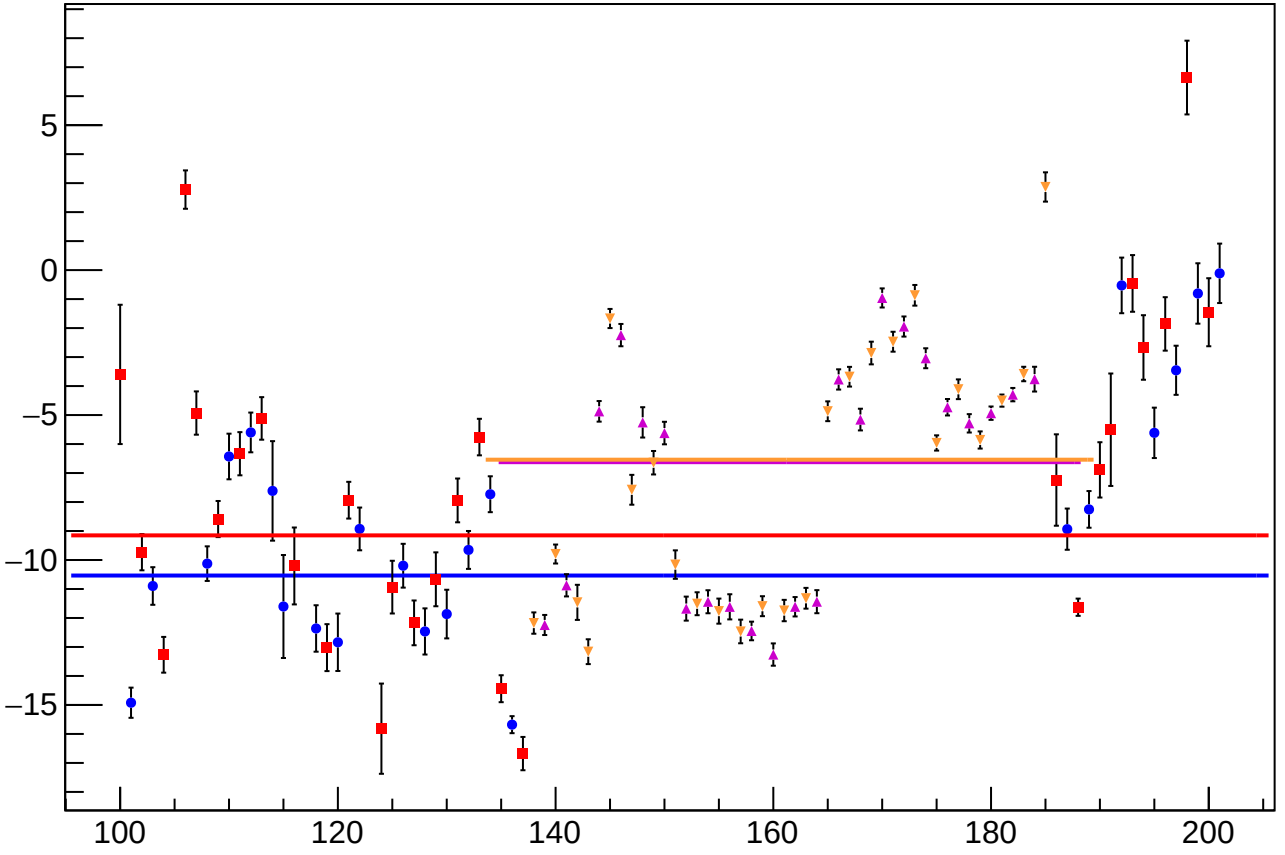
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.817+/-0.052 χ^2/NDF: 3467.0/47

All: -31.883+/-0.037 χ^2/NDF: 7693.7/98

- sign -31.952+/-0.053 χ^2/NDF: 4223.3/50

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: -9.150+/-0.136 χ^2/NDF: 1305.6/27

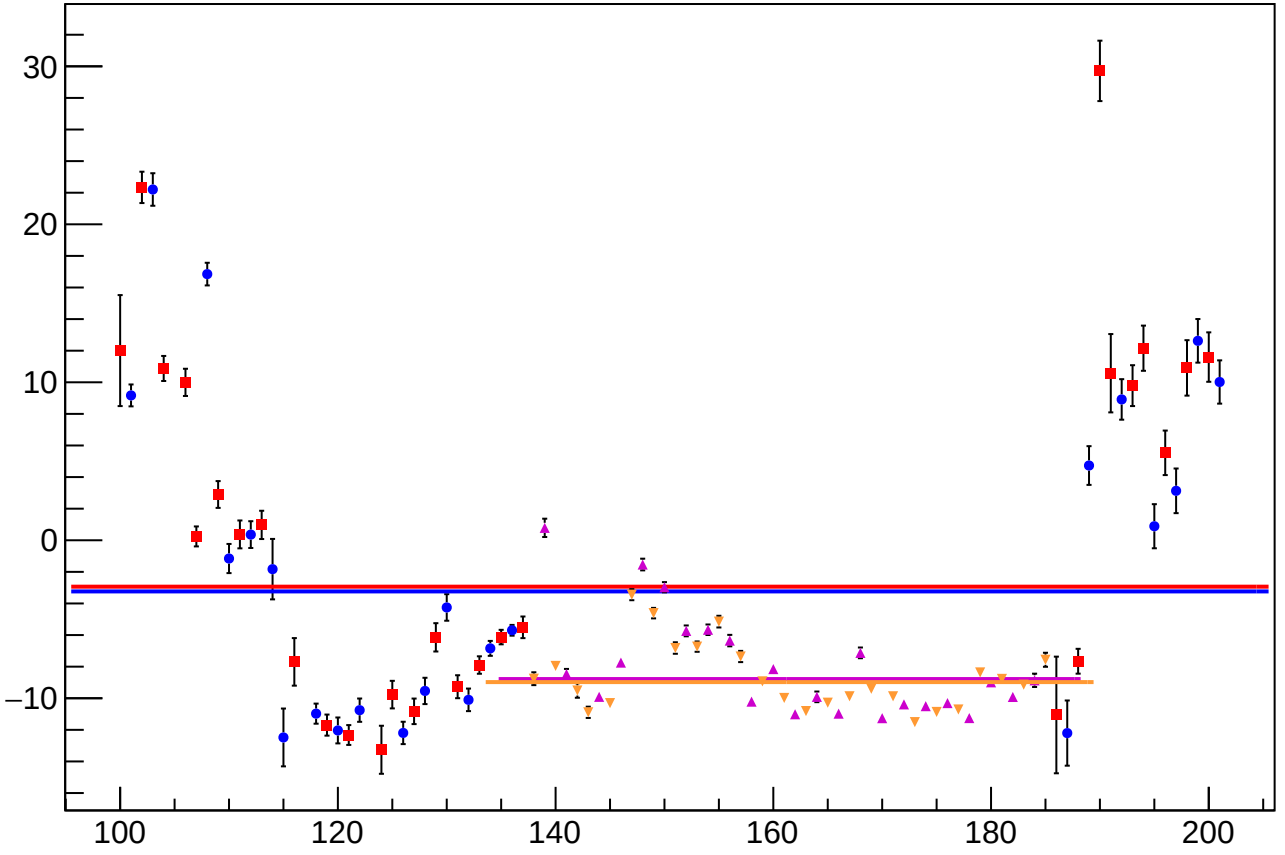
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.307+/-0.062 χ^2/NDF: 4803.8/47

All: -7.240+/-0.044 χ^2/NDF: 9290.1/98

- sign -7.172+/-0.063 χ^2/NDF: 4484.0/50

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: -2.937+/-0.165 χ^2/NDF: 2898.0/27

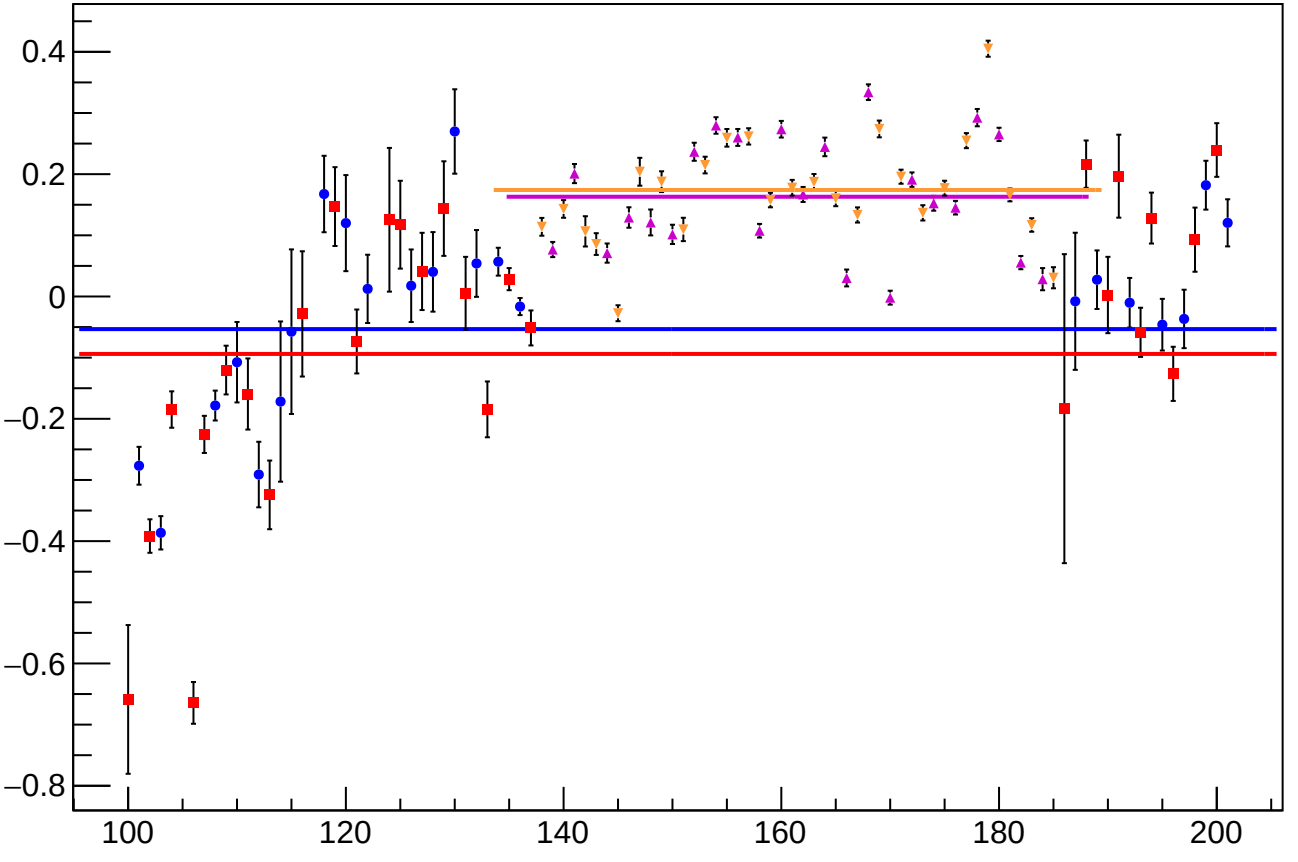
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.267+/-0.058 χ^2/NDF: 5011.5/47

All: -8.153+/-0.041 χ^2/NDF: 10696.8/98

- sign -8.033+/-0.059 χ^2/NDF: 5677.3/50

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.053+/-0.008 χ^2/NDF: 386.7/22

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.094+/-0.008 χ^2/NDF: 747.1/27

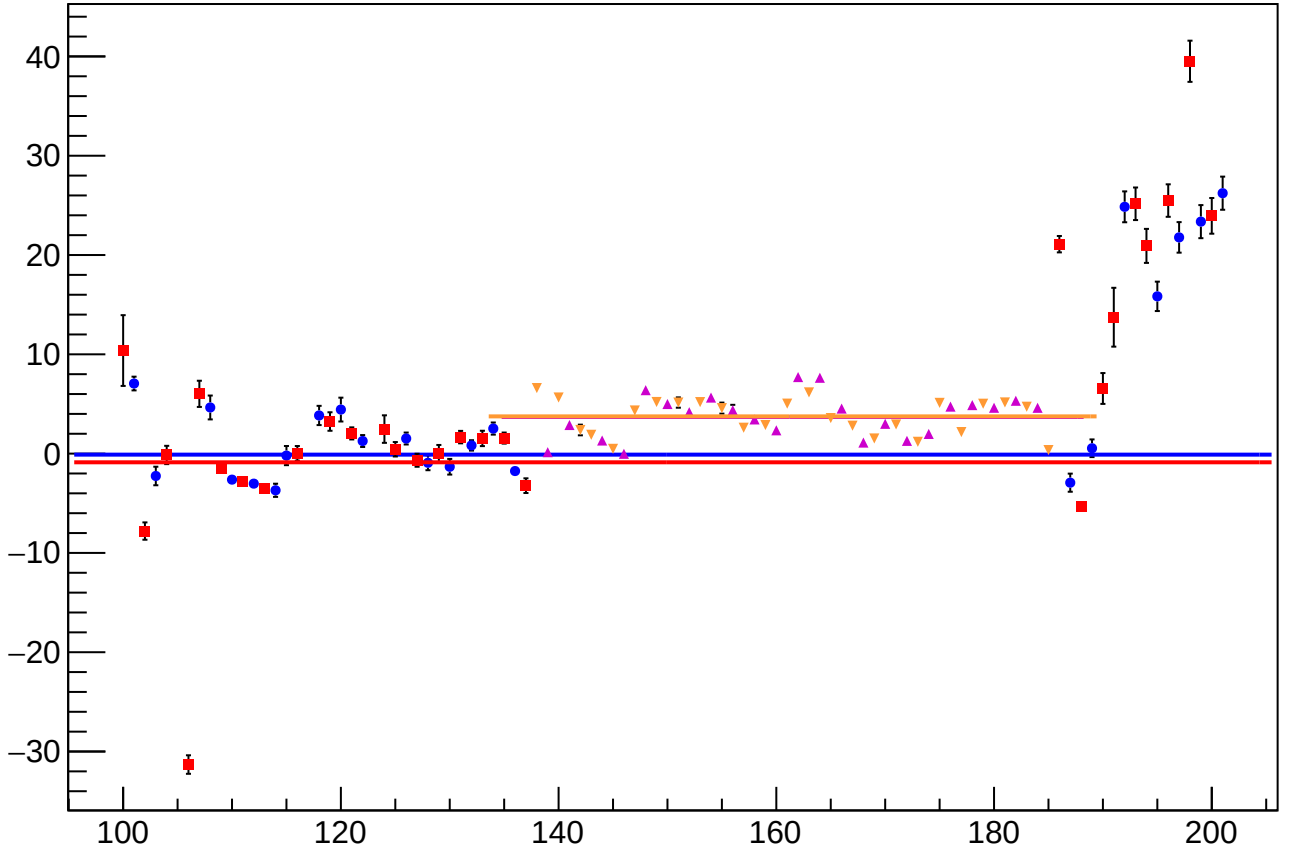
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.149+/-0.003 χ^2/NDF: 2092.6/47

All: 0.142+/-0.002 χ^2/NDF: 4983.9/98

- sign 0.135+/-0.003 χ^2/NDF: 2877.7/50

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

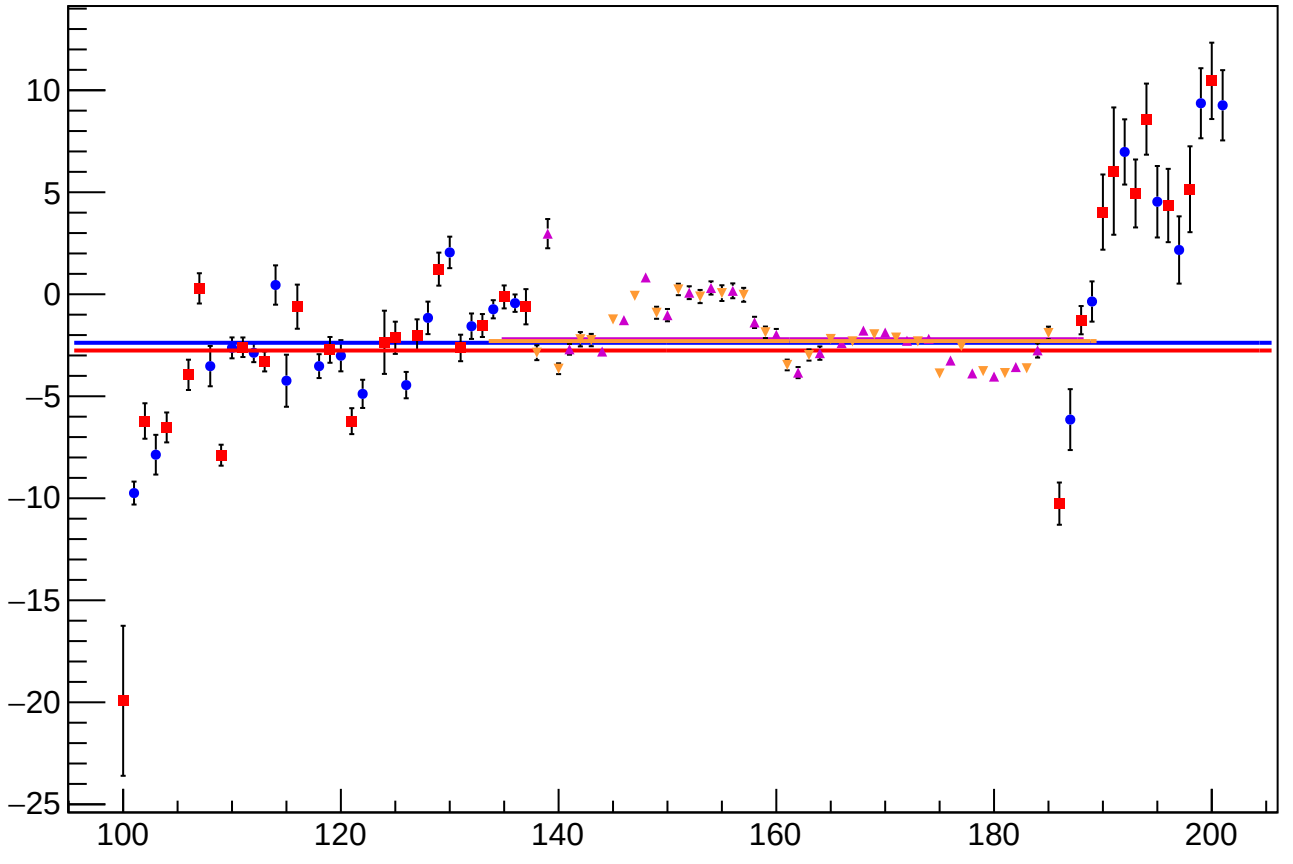
Right Out: -0.874+/-0.121 χ^2/NDF: 3477.7/27

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.047+/-0.056 χ^2/NDF: 2961.2/47

All: 2.871+/-0.040 χ^2/NDF: 8526.1/98

- sign 2.691+/-0.056 χ^2/NDF: 5544.8/50



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: -2.757+/-0.149 χ^2/NDF: 498.9/27

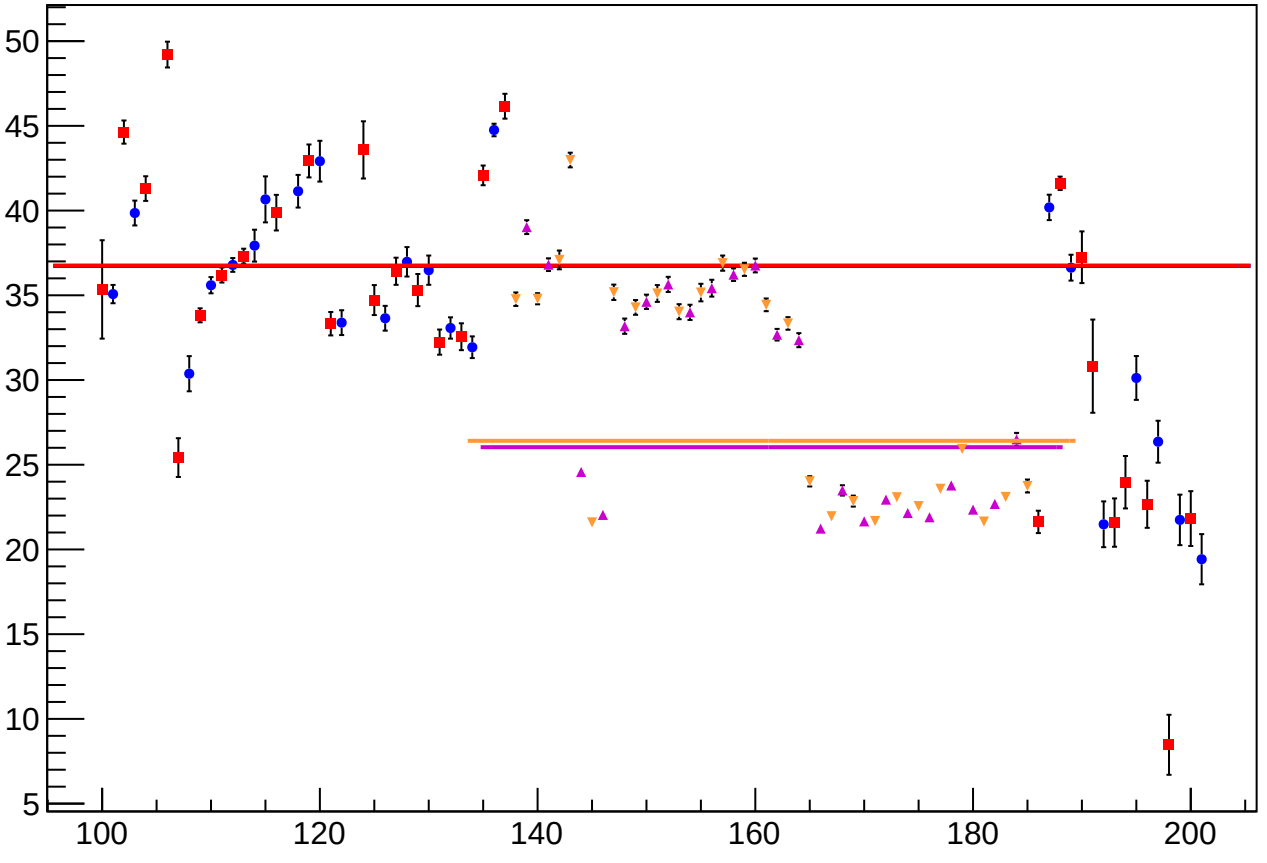
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.303+/-0.047 χ^2/NDF: 1108.4/47

All: -2.283+/-0.034 χ^2/NDF: 2344.7/98

- sign -2.262+/-0.048 χ^2/NDF: 1235.9/50

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



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: 36.753+/-0.140 χ^2/NDF: 2307.7/27

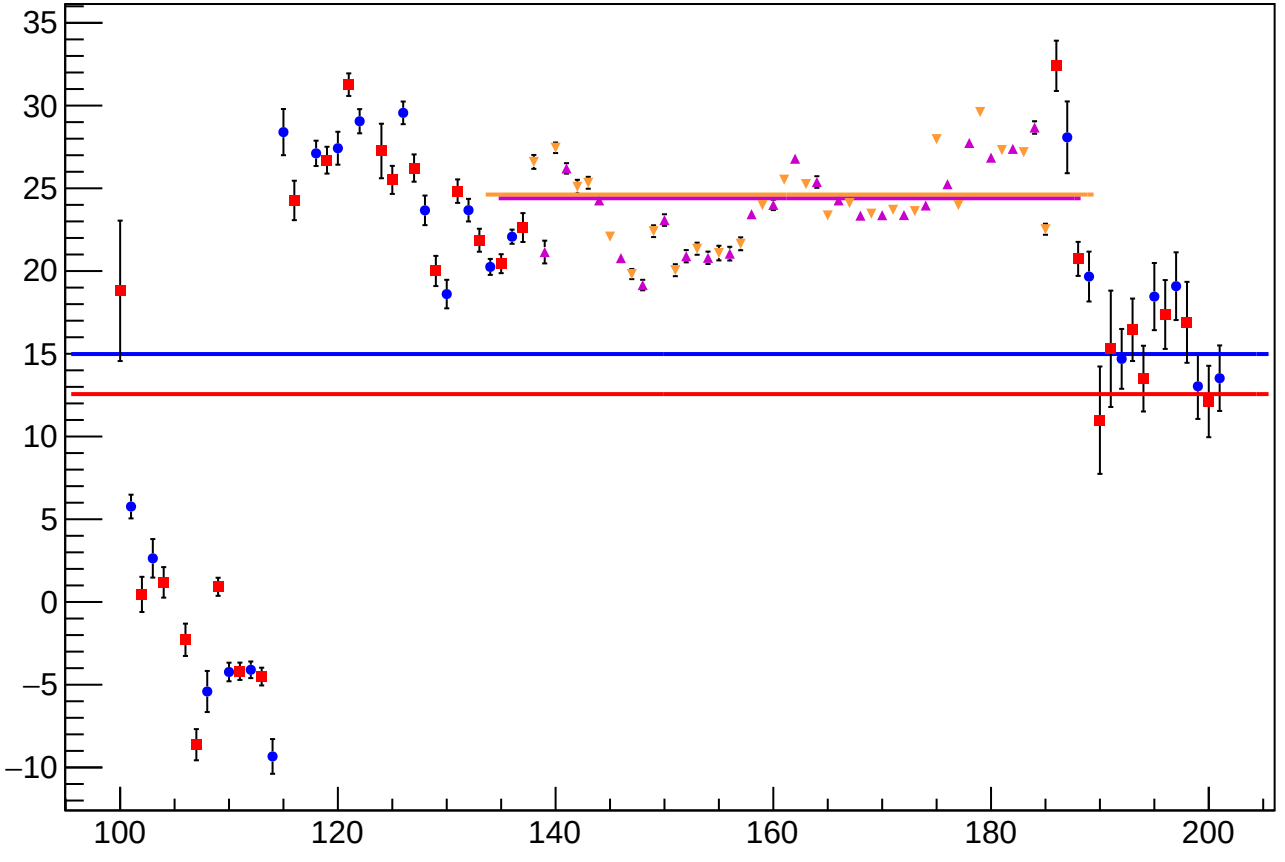
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.942+/-0.057 χ^2/NDF: 14506.5/47

All: 27.908+/-0.041 χ^2/NDF: 29484.6/98

- sign 27.874+/-0.058 χ^2/NDF: 14977.3/50

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: 12.563+/-0.170 χ^2/NDF: 6364.6/27

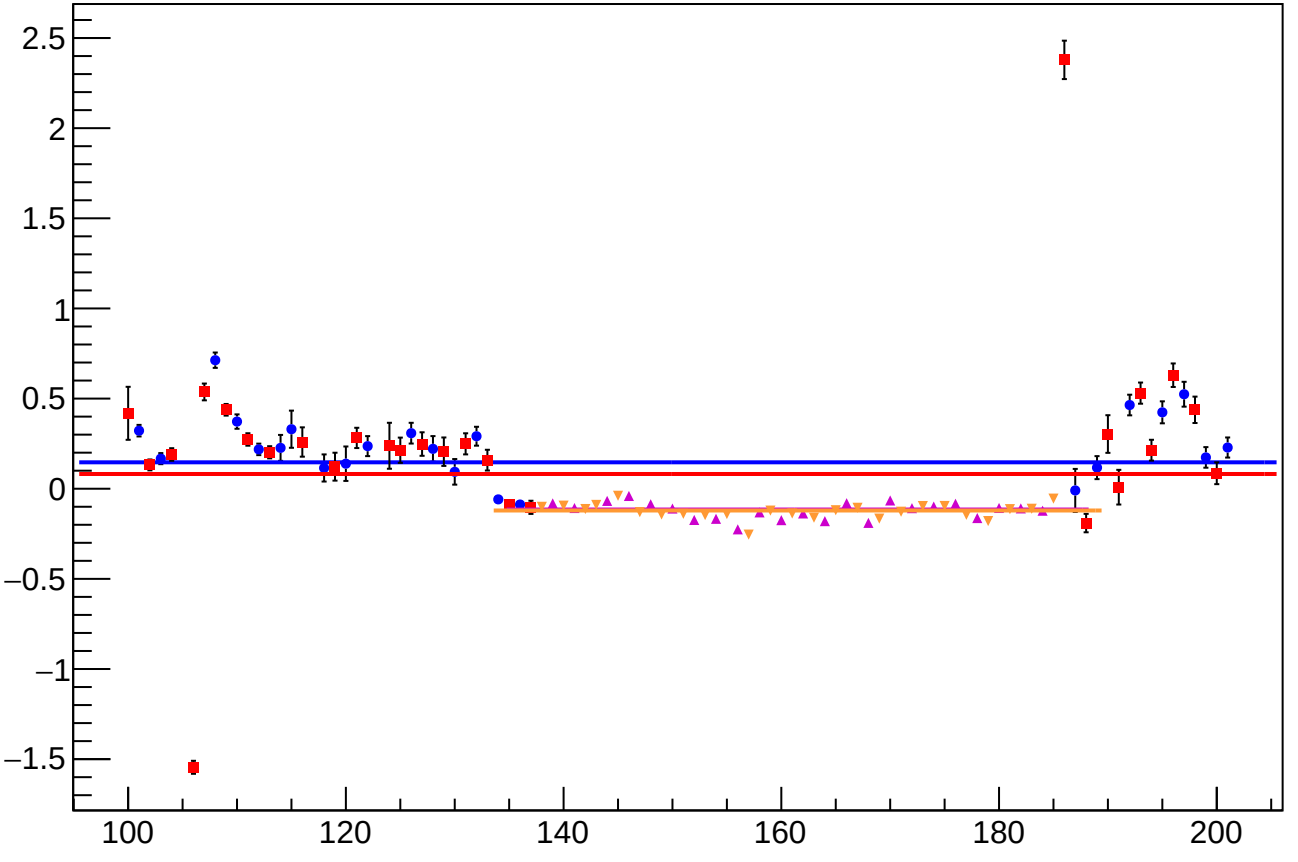
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.695+/-0.052 χ^2/NDF: 10633.9/47

All: 23.462+/-0.037 χ^2/NDF: 23128.3/98

- sign 23.219+/-0.054 χ^2/NDF: 12454.1/50

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.146+/-0.009 χ^2/NDF: 612.2/22

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.082+/-0.009 χ^2/NDF: 3092.8/27

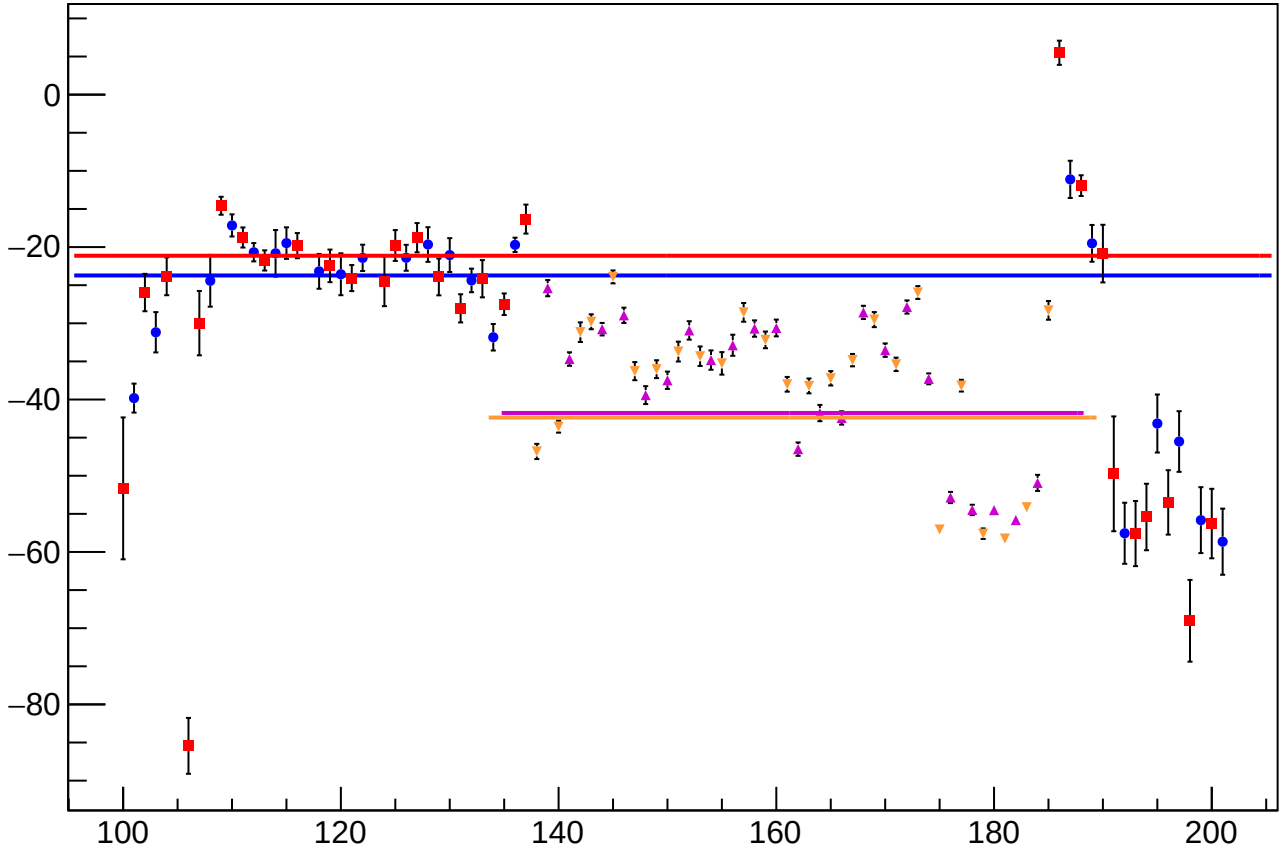
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

\+ sign -0.101+/-0.002 χ^2/NDF: 1737.2/47

All: -0.101+/-0.002 χ^2/NDF: 5568.0/98

\- sign -0.101+/-0.002 χ^2/NDF: 3830.7/50

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: -21.136+/-0.391 χ^2/NDF: 1087.2/27

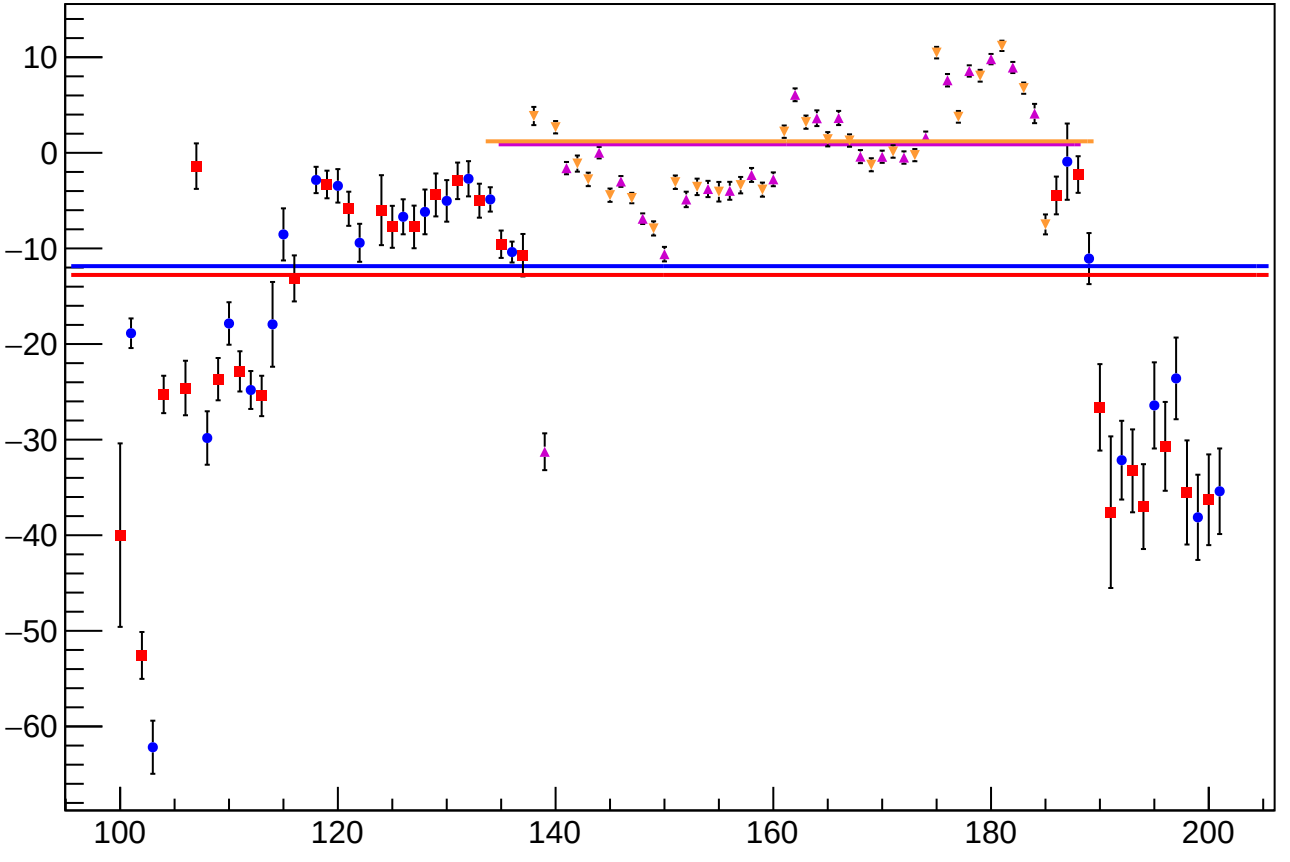
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.492+/-0.161 χ^2/NDF: 6659.4/47

All: -38.809+/-0.115 χ^2/NDF: 13535.1/98

- sign -38.094+/-0.165 χ^2/NDF: 6838.9/50

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

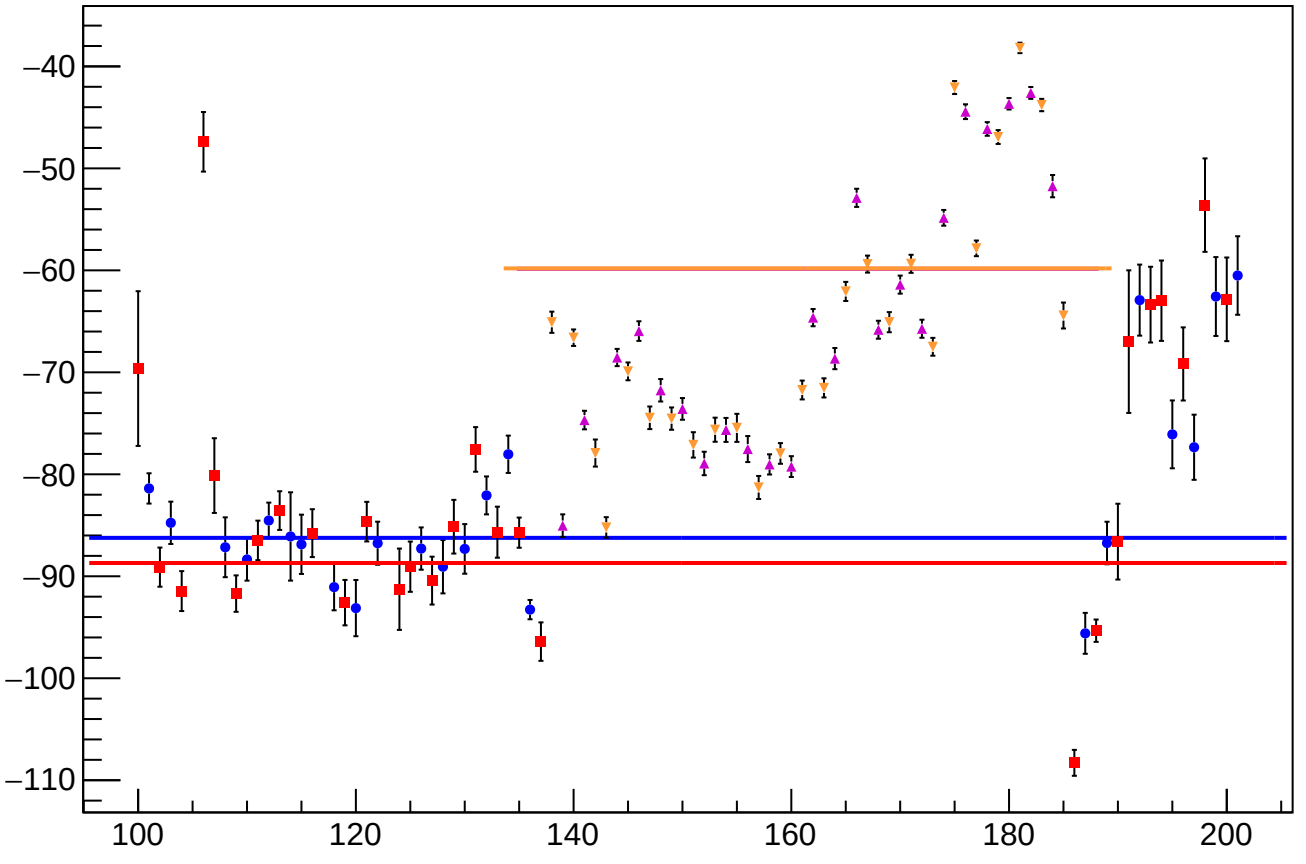
Right Out: -12.773+/-0.441 χ^2/NDF: 748.6/27

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign -0.003+/-0.132 χ^2/NDF: 2991.9/47

All: -0.200+/-0.095 χ^2/NDF: 6377.5/98

- sign -0.410+/-0.136 χ^2/NDF: 3381.0/50



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: -88.698+/-0.416 χ^2/NDF: 786.7/27

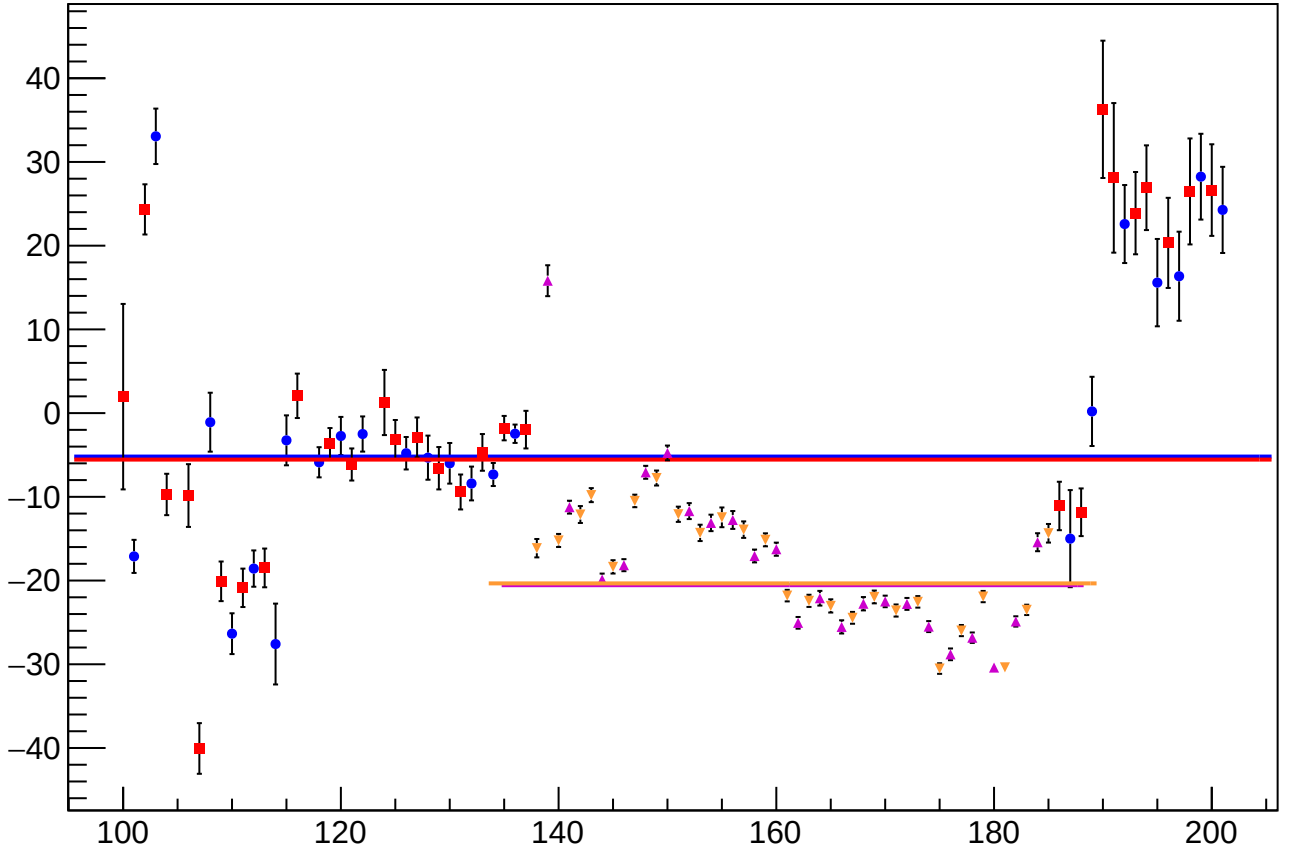
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.458+/-0.163 χ^2/NDF: 10054.0/47

All: -63.938+/-0.116 χ^2/NDF: 20434.1/98

- sign -64.438+/-0.166 χ^2/NDF: 10362.3/50

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: -5.553+/-0.510 χ^2/NDF: 584.4/27

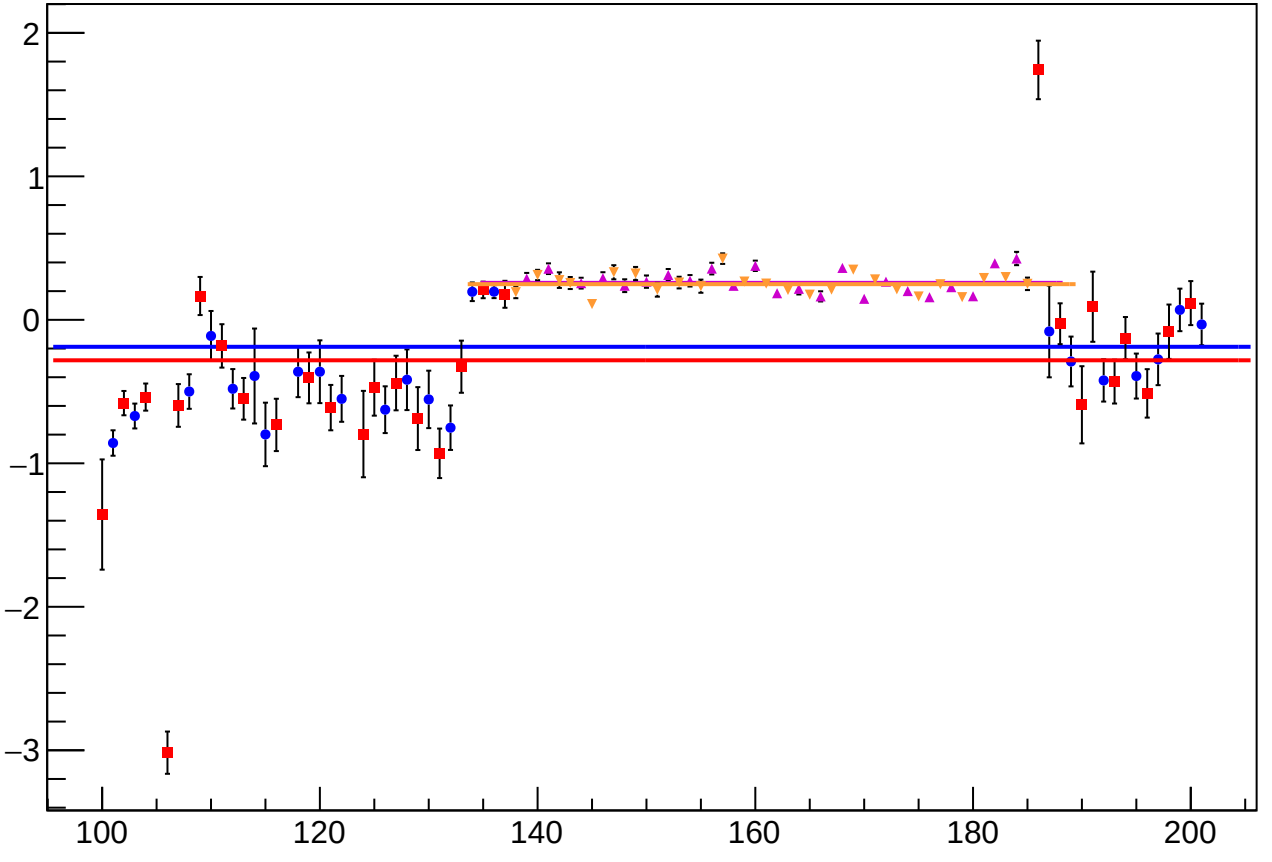
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -18.969+/-0.147 χ^2/NDF: 3037.9/47

All: -19.088+/-0.106 χ^2/NDF: 6606.9/98

- sign -19.215+/-0.152 χ^2/NDF: 3567.7/50

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: -0.282+/-0.026 χ^2/NDF: 638.9/27

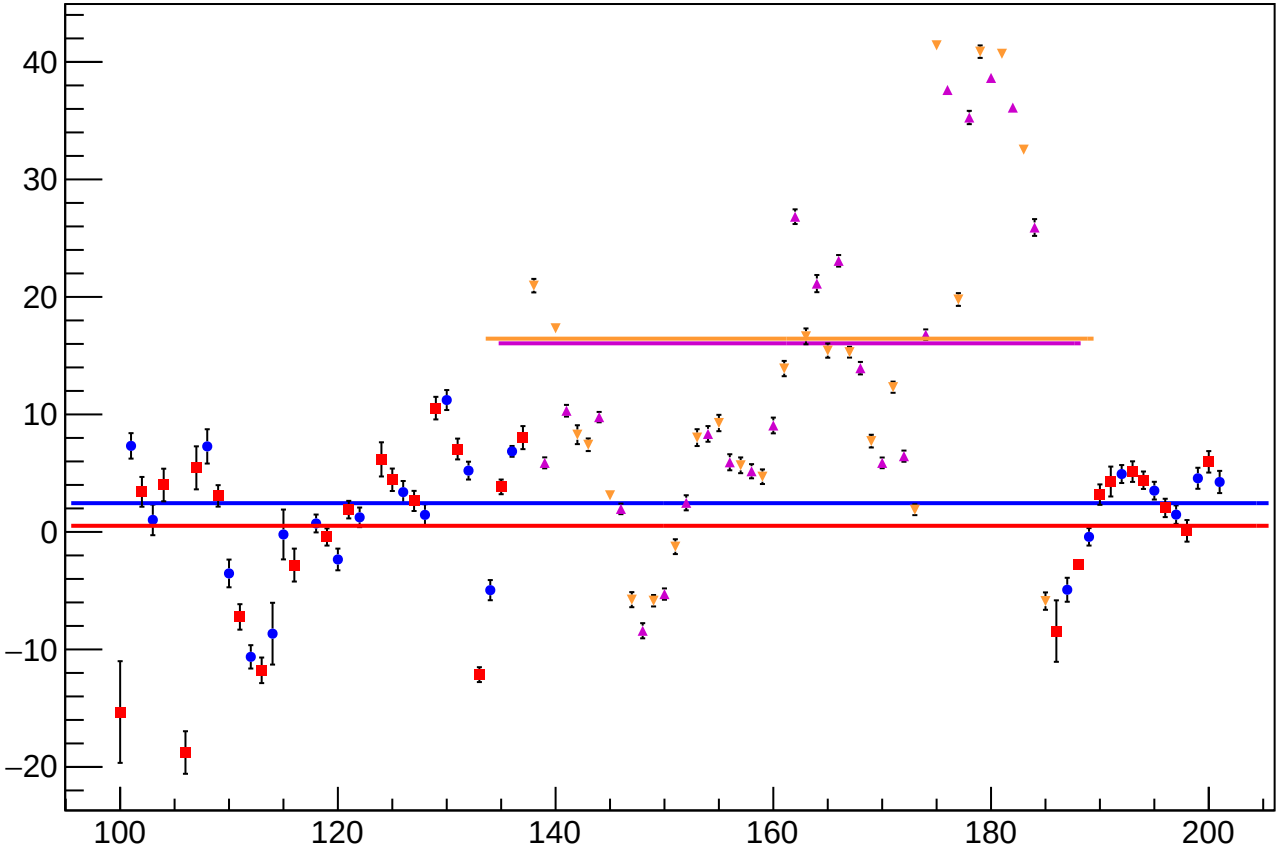
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.216+/-0.007 χ^2/NDF: 640.7/47

All: 0.218+/-0.005 χ^2/NDF: 1810.5/98

- sign 0.220+/-0.007 χ^2/NDF: 1169.6/50

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

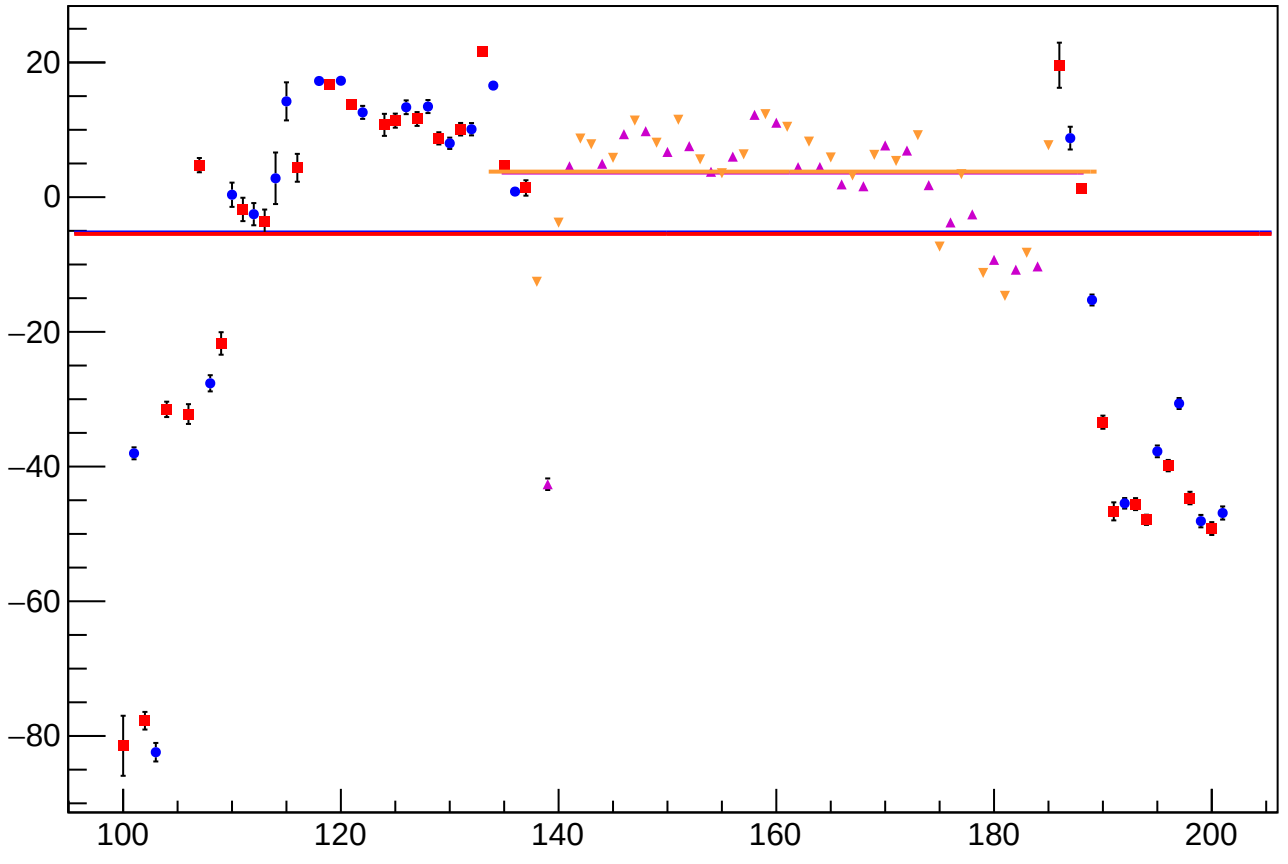
Right Out: 0.522+/-0.165 χ^2/NDF: 1231.1/27

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 13.006+/-0.090 χ^2/NDF: 26520.8/47

All: 12.228+/-0.064 χ^2/NDF: 51729.4/98

- sign 11.456+/-0.090 χ^2/NDF: 25060.9/50



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: -5.454+/-0.170 χ^2/NDF: 24894.6/27

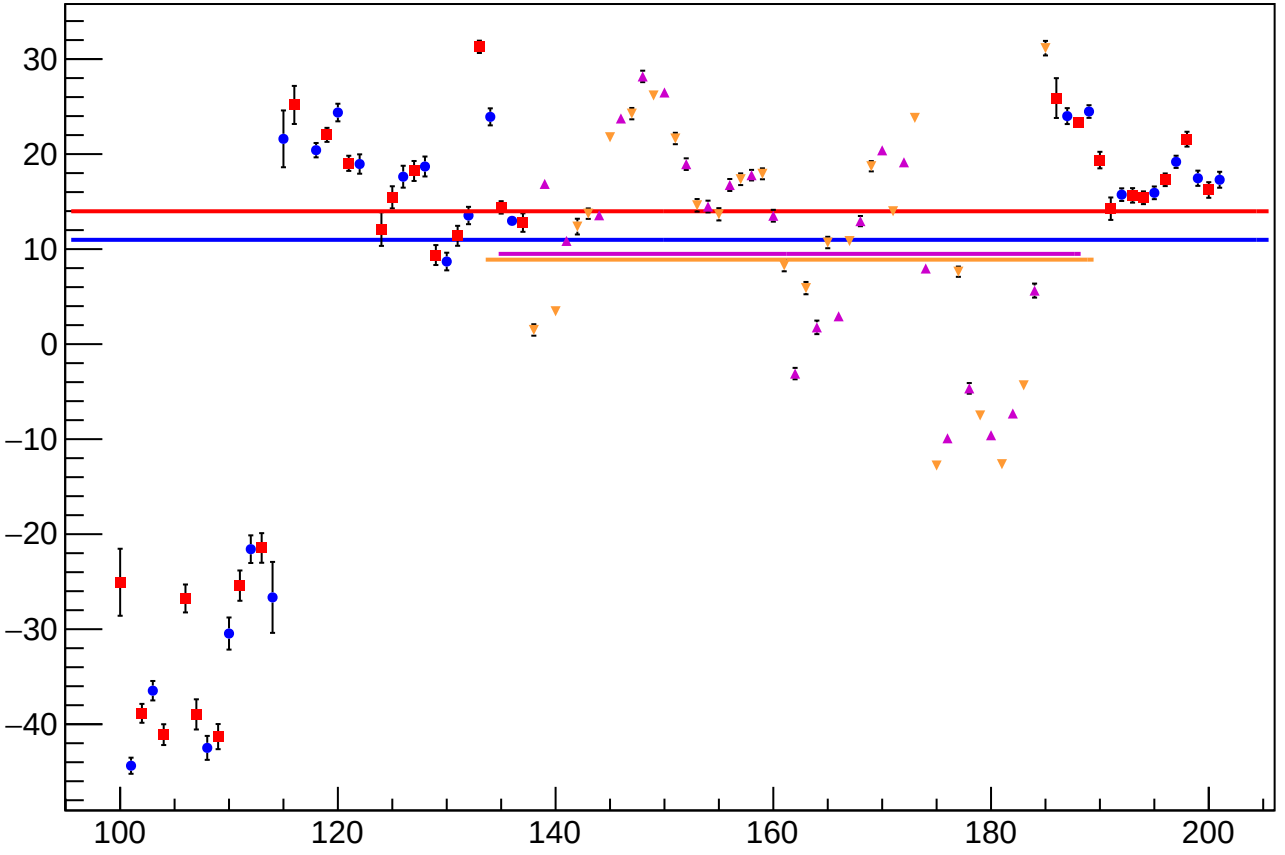
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 2.282+/-0.073 χ^2/NDF: 32090.3/47

All: 2.093+/-0.052 χ^2/NDF: 67626.3/98

- sign 1.897+/-0.075 χ^2/NDF: 35522.5/50

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

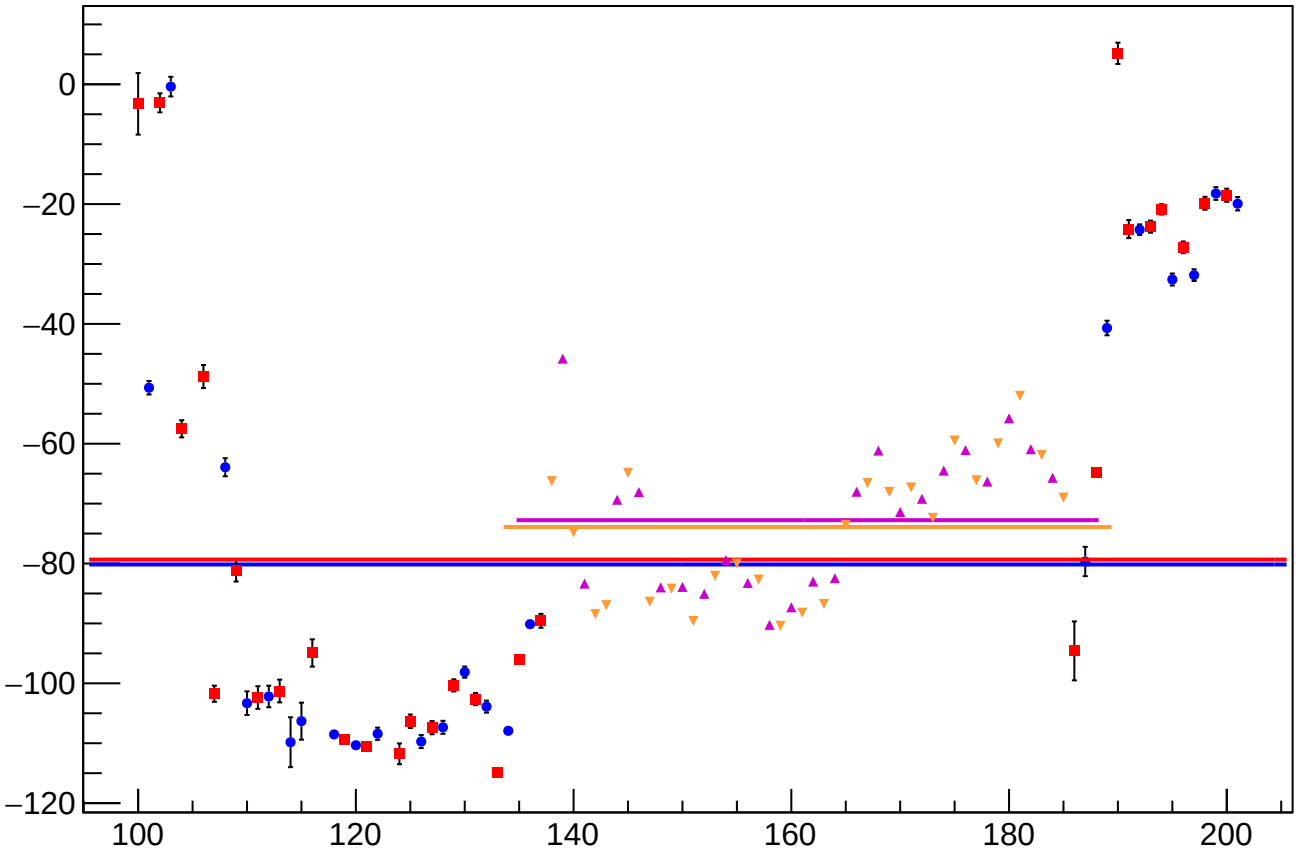
Right Out: 13.983+/-0.159 χ^2/NDF: 12340.6/27

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 9.417+/-0.090 χ^2/NDF: 26748.1/47

All: 10.165+/-0.063 χ^2/NDF: 52816.9/98

- sign 10.892+/-0.088 χ^2/NDF: 25931.7/50



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: -79.344+/-0.201 χ^2/NDF: 35302.7/27

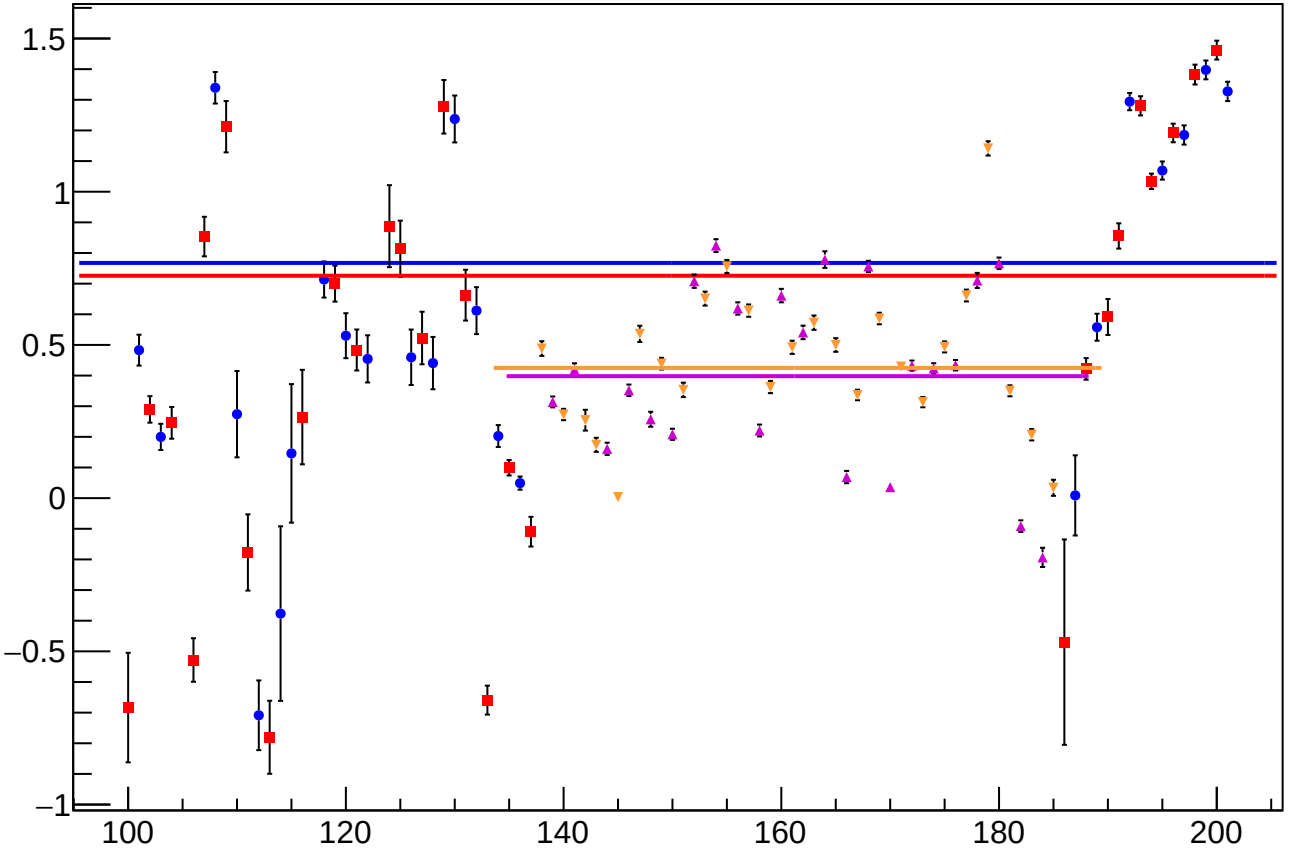
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

\+ sign -74.896+/-0.083 χ^2/NDF: 44651.0/47

All: -74.421+/-0.059 χ^2/NDF: 93512.6/98

\- sign -73.927+/-0.085 χ^2/NDF: 48794.8/50

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: 0.726+/-0.009 χ^2/NDF: 4429.6/27

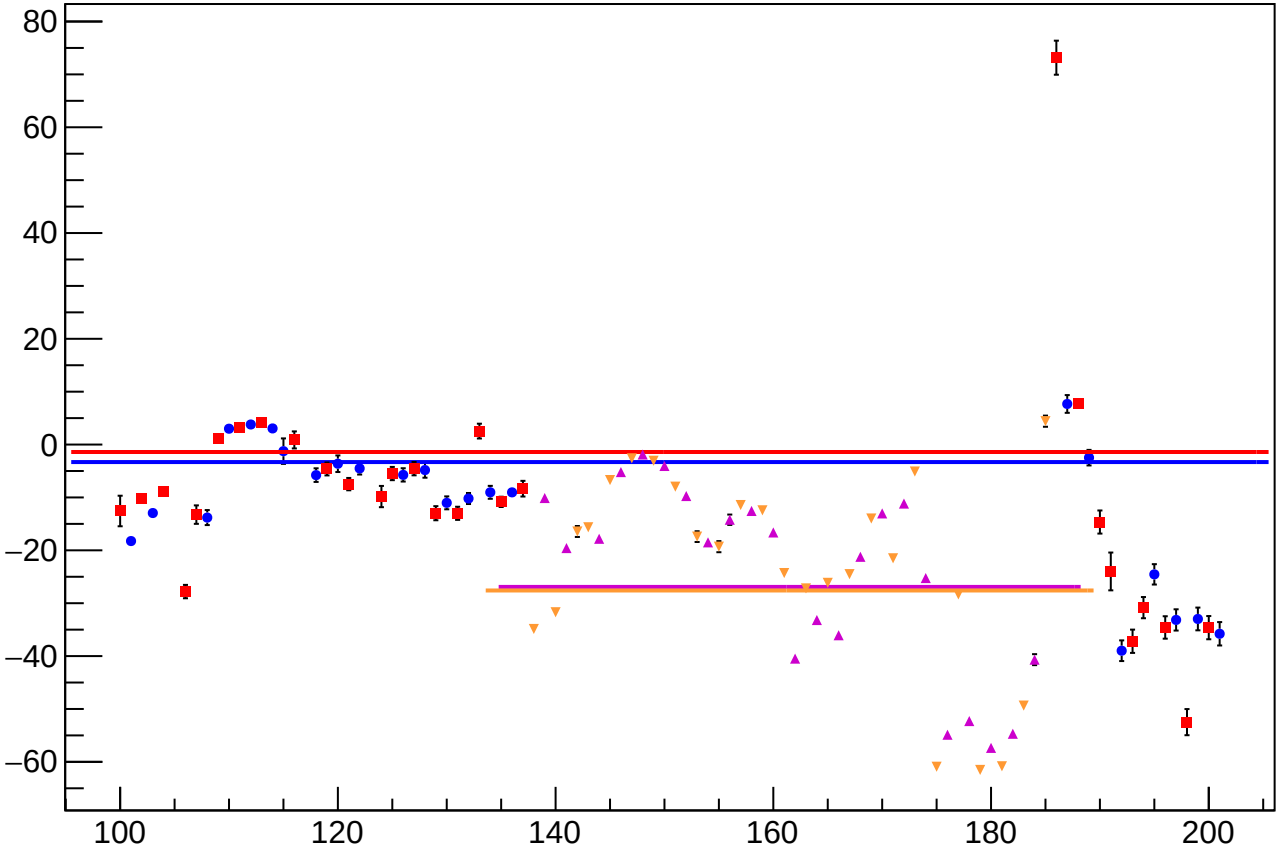
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.480+/-0.004 χ^2/NDF: 7613.0/47

All: 0.468+/-0.003 χ^2/NDF: 17450.5/98

- sign 0.456+/-0.004 χ^2/NDF: 9816.1/50

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: -1.407+/-0.163 χ^2/NDF: 3611.0/27

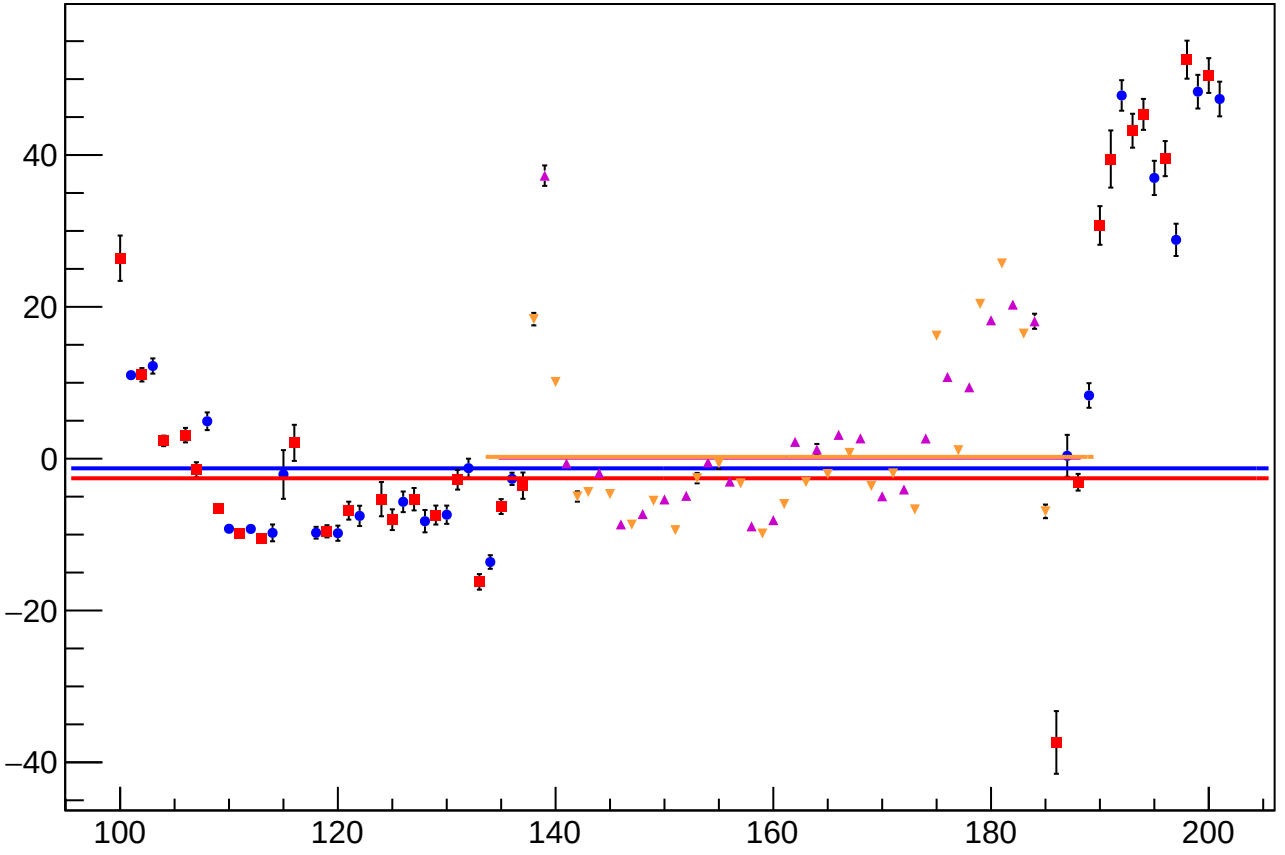
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.421+/-0.114 χ^2/NDF: 33108.9/47

All: -16.809+/-0.079 χ^2/NDF: 65957.6/98

- sign -15.300+/-0.110 χ^2/NDF: 32460.4/50

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: -2.584+/-0.209 χ^2/NDF: 3809.2/27

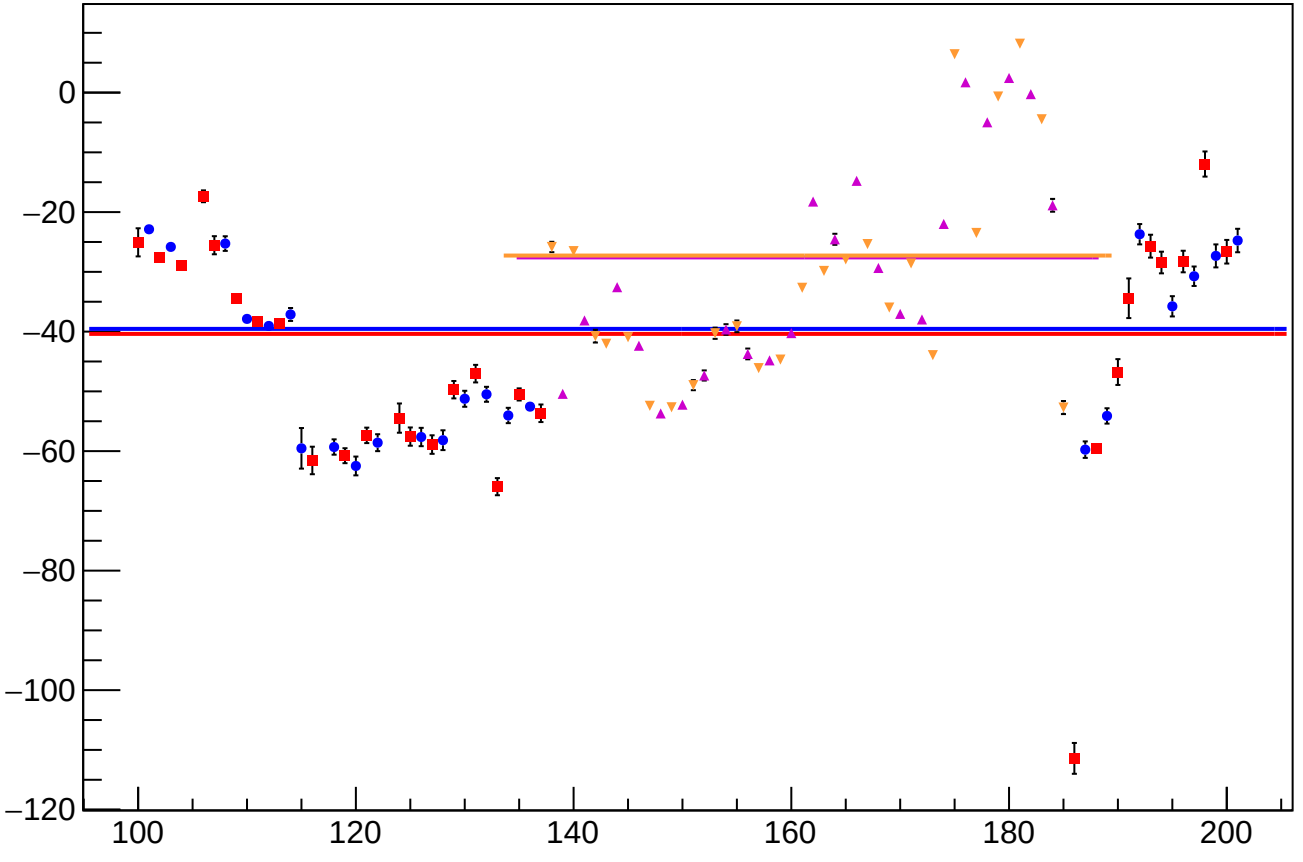
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.072+/-0.098 χ^2/NDF: 11700.4/47

All: -0.280+/-0.070 χ^2/NDF: 21486.4/98

- sign -0.497+/-0.100 χ^2/NDF: 9776.8/50

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: -40.382+/-0.194 χ^2/NDF: 4937.8/27

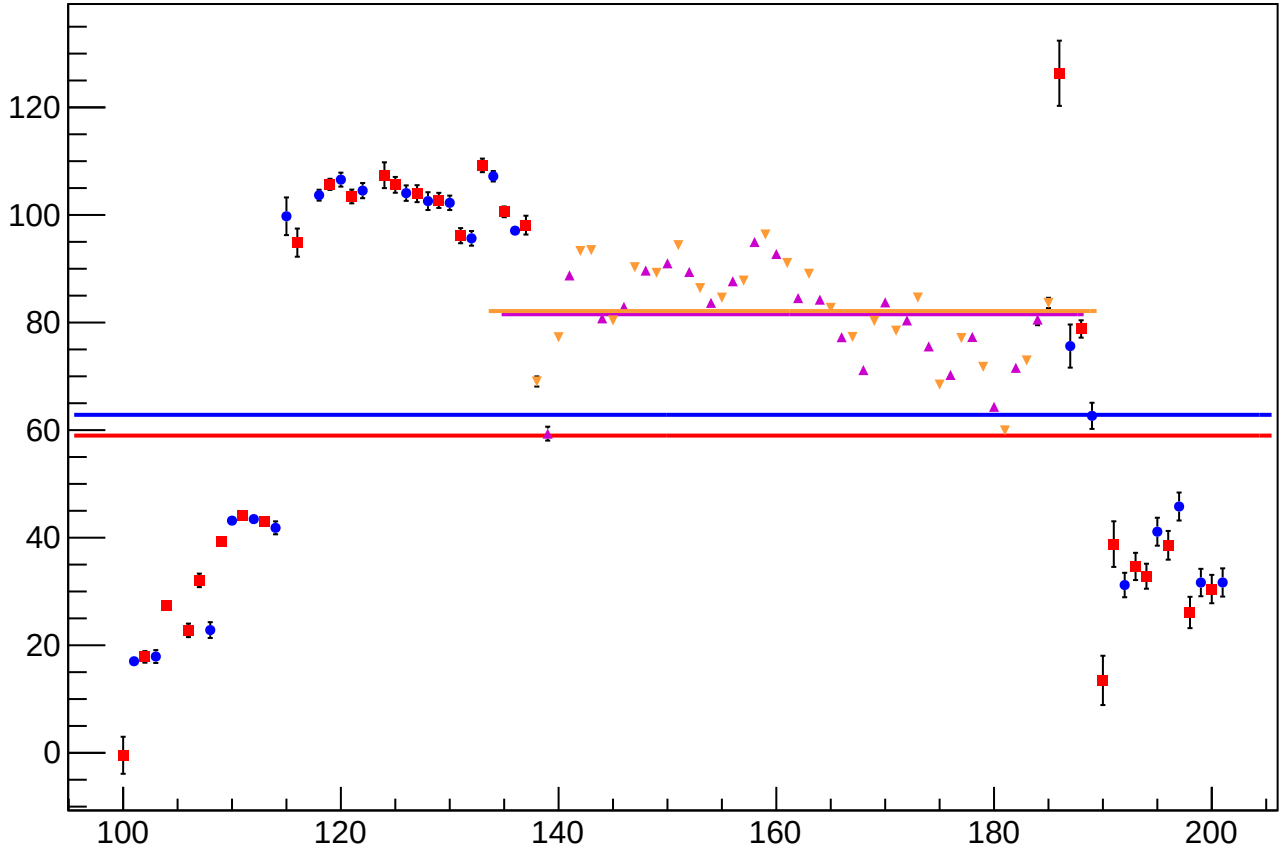
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.160+/-0.119 χ^2/NDF: 24351.1/47

All: -31.733+/-0.084 χ^2/NDF: 47729.8/98

- sign -32.296+/-0.118 χ^2/NDF: 23332.6/50

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: 58.982+/-0.240 χ^2/NDF: 18359.2/27

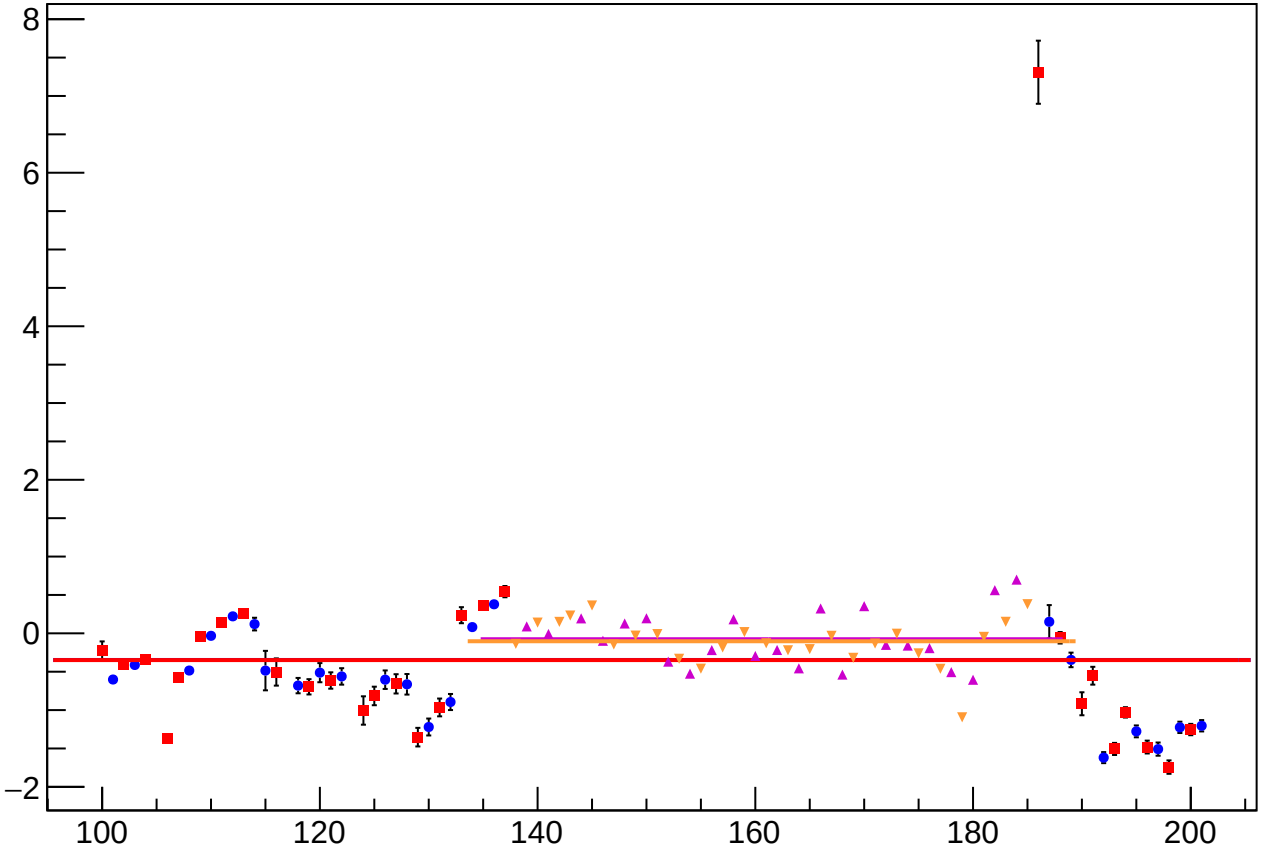
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.268+/-0.112 χ^2/NDF: 29398.5/47

All: 77.386+/-0.080 χ^2/NDF: 58800.5/98

- sign 76.473+/-0.114 χ^2/NDF: 29274.8/50

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: -0.348+/-0.012 χ^2/NDF: 2757.7/27

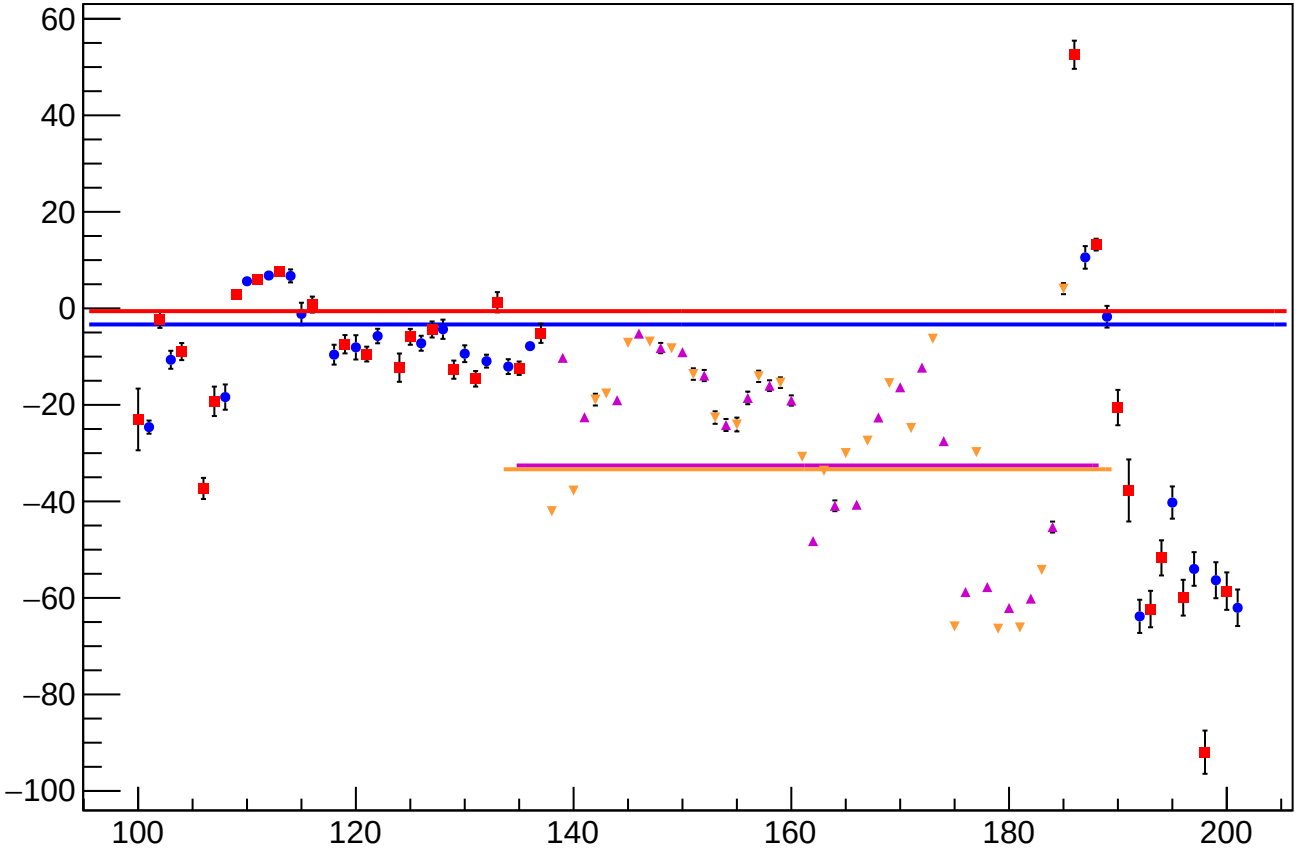
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.145+/-0.005 χ^2/NDF: 4704.8/47

All: -0.137+/-0.004 χ^2/NDF: 11213.3/98

- sign -0.128+/-0.005 χ^2/NDF: 6503.5/50

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: -0.576+/-0.269 χ^2/NDF: 2819.5/27

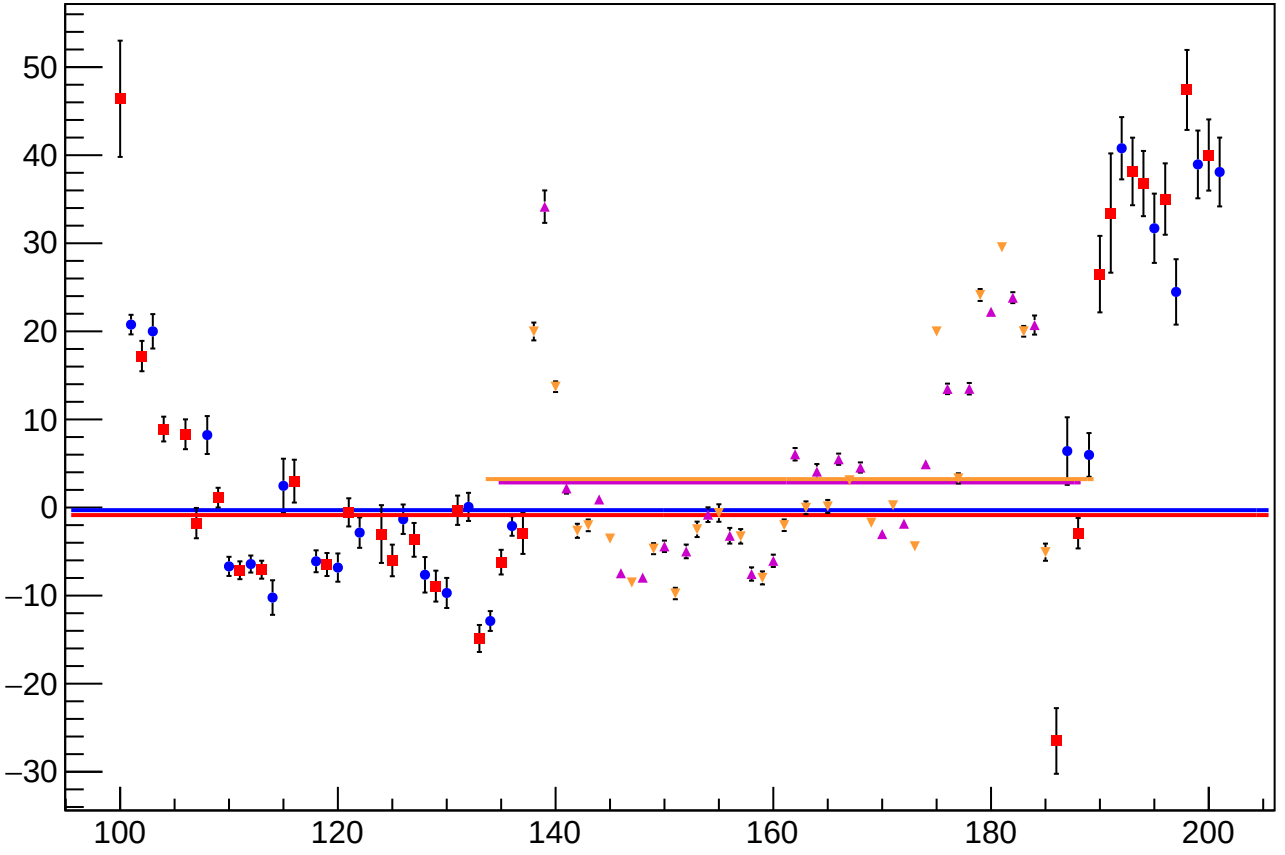
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.304+/-0.144 χ^2/NDF: 27840.3/47

All: -24.886+/-0.102 χ^2/NDF: 54864.0/98

- sign -23.480+/-0.143 χ^2/NDF: 26830.6/50

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: -0.860+/-0.339 χ^2/NDF: 1084.0/27

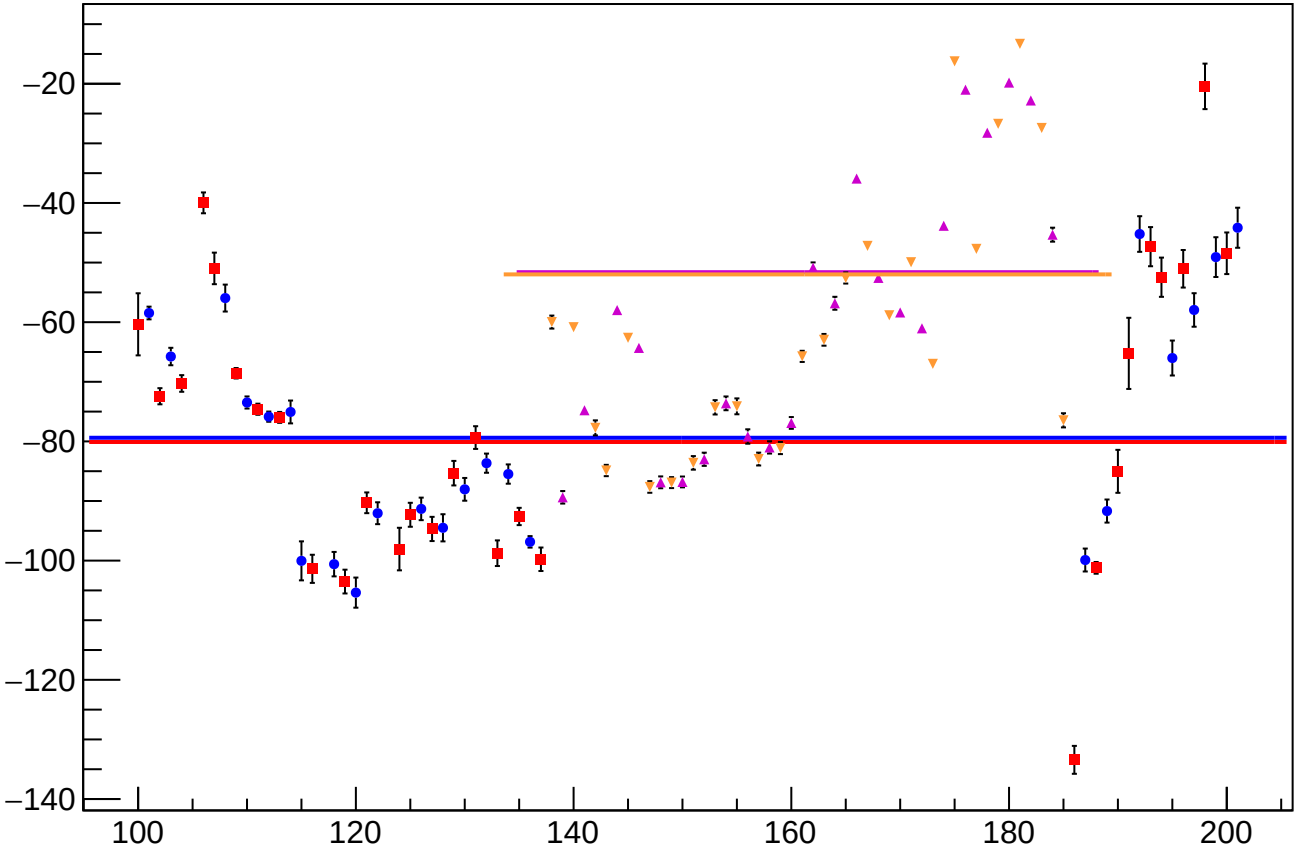
Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.794+/-0.120 χ^2/NDF: 9020.1/47

All: 2.582+/-0.086 χ^2/NDF: 15669.9/98

- sign 2.362+/-0.122 χ^2/NDF: 6643.5/50

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: -80.098+/-0.320 χ^2/NDF: 3163.7/27

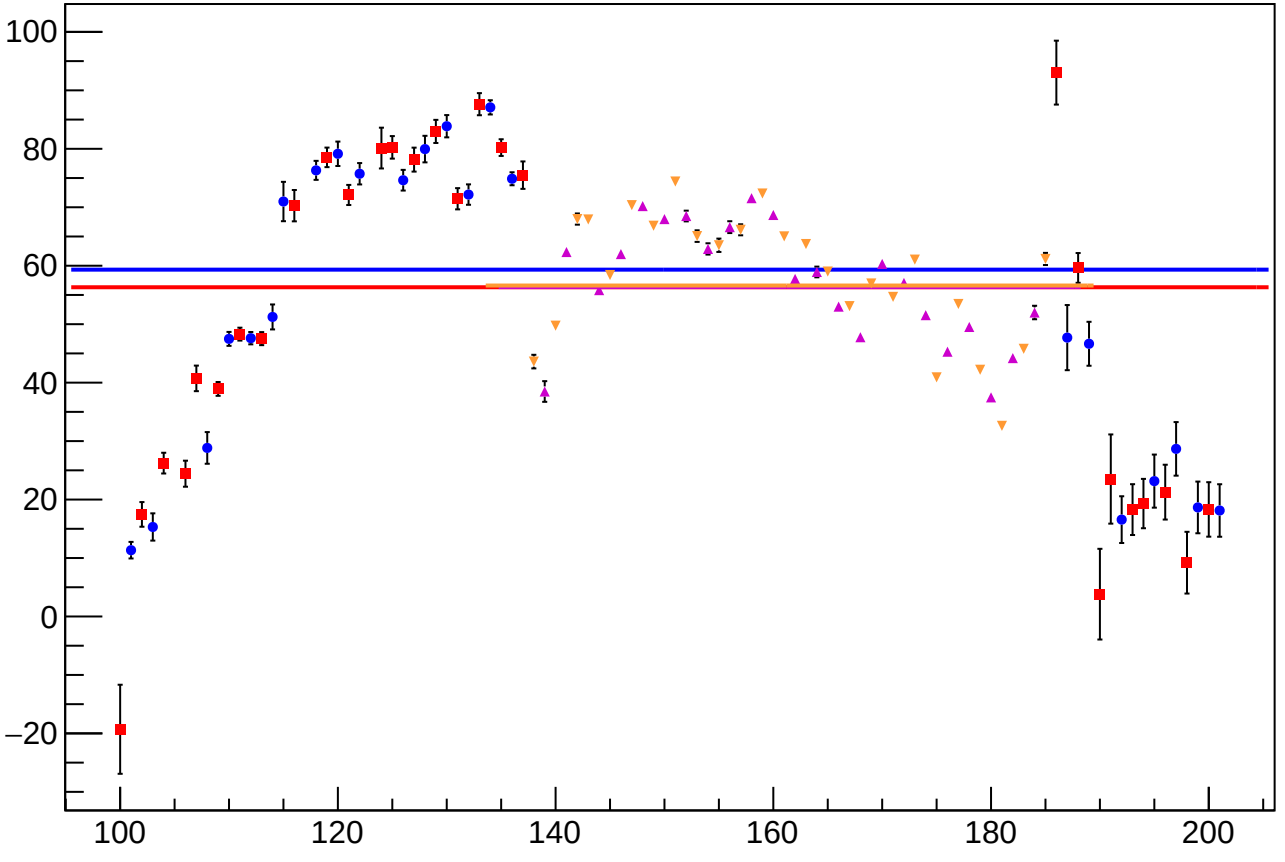
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.173+/-0.148 χ^2/NDF: 28072.1/47

All: -57.497+/-0.105 χ^2/NDF: 55061.8/98

- sign -57.826+/-0.150 χ^2/NDF: 26980.1/50

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: 56.316+/-0.386 χ^2/NDF: 3254.5/27

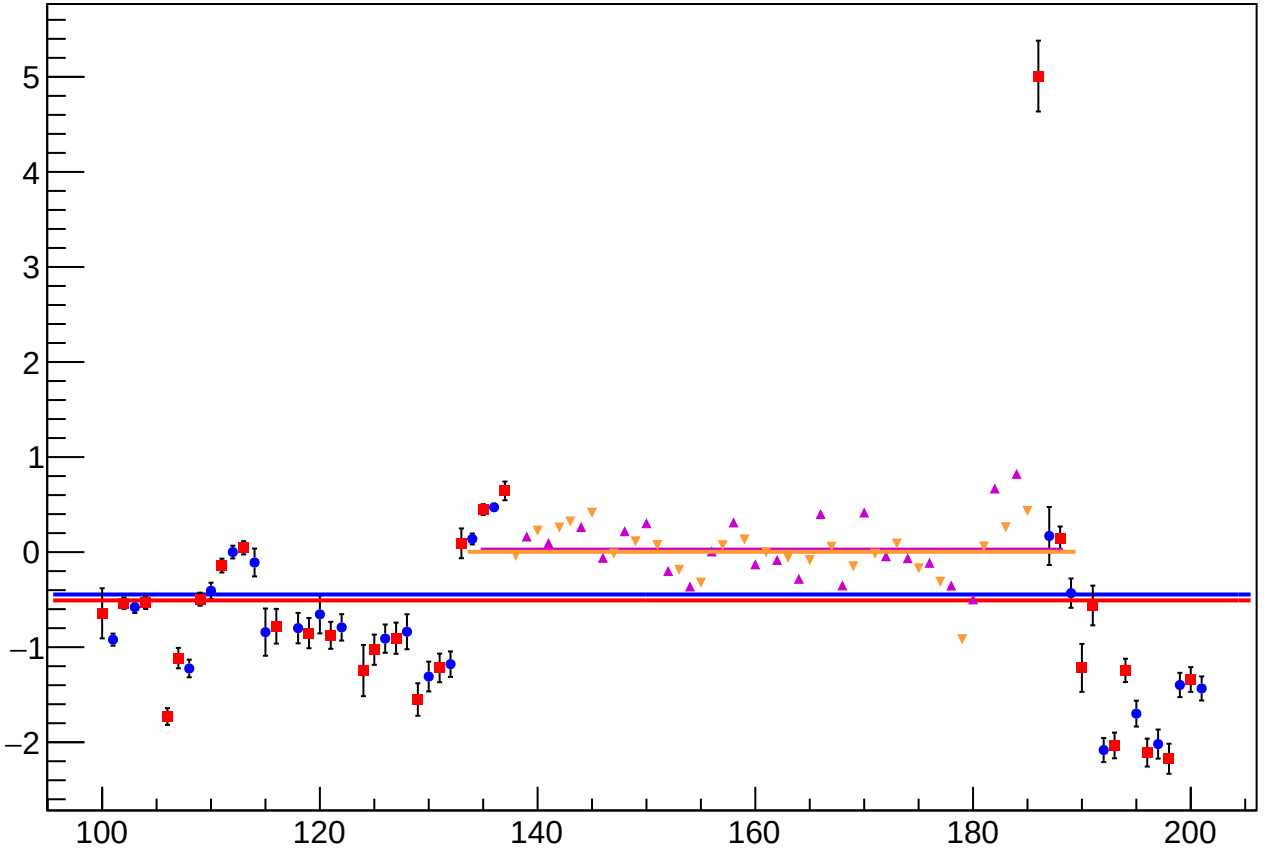
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.939+/-0.135 χ^2/NDF: 9365.8/47

All: 56.647+/-0.096 χ^2/NDF: 16598.5/98

- sign 56.344+/-0.138 χ^2/NDF: 7223.2/50

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: -0.508+/-0.020 χ^2/NDF: 1538.8/27

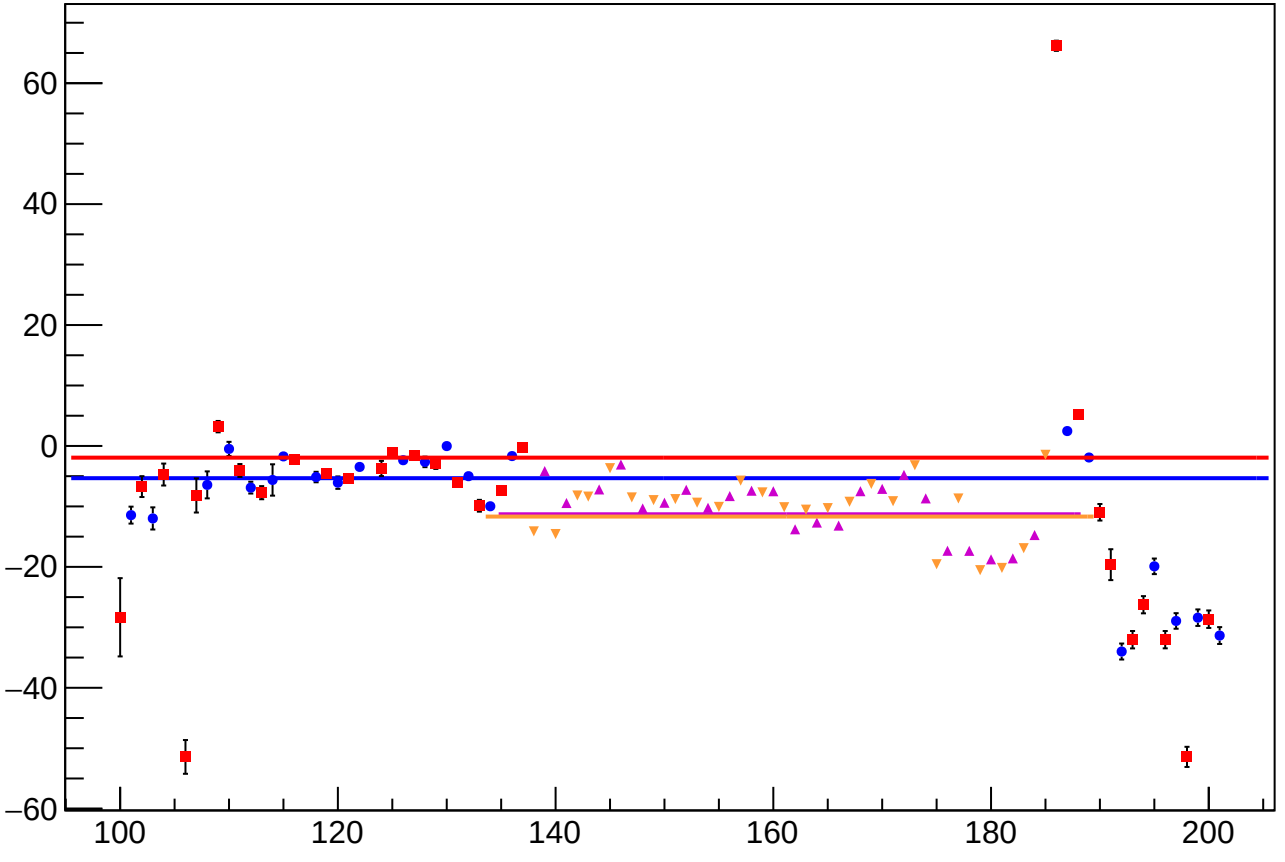
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.038+/-0.006 χ^2/NDF: 3417.7/47

All: -0.032+/-0.004 χ^2/NDF: 7942.4/98

- sign -0.025+/-0.006 χ^2/NDF: 4522.5/50

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: -1.934+/-0.169 χ^2/NDF: 9969.2/27

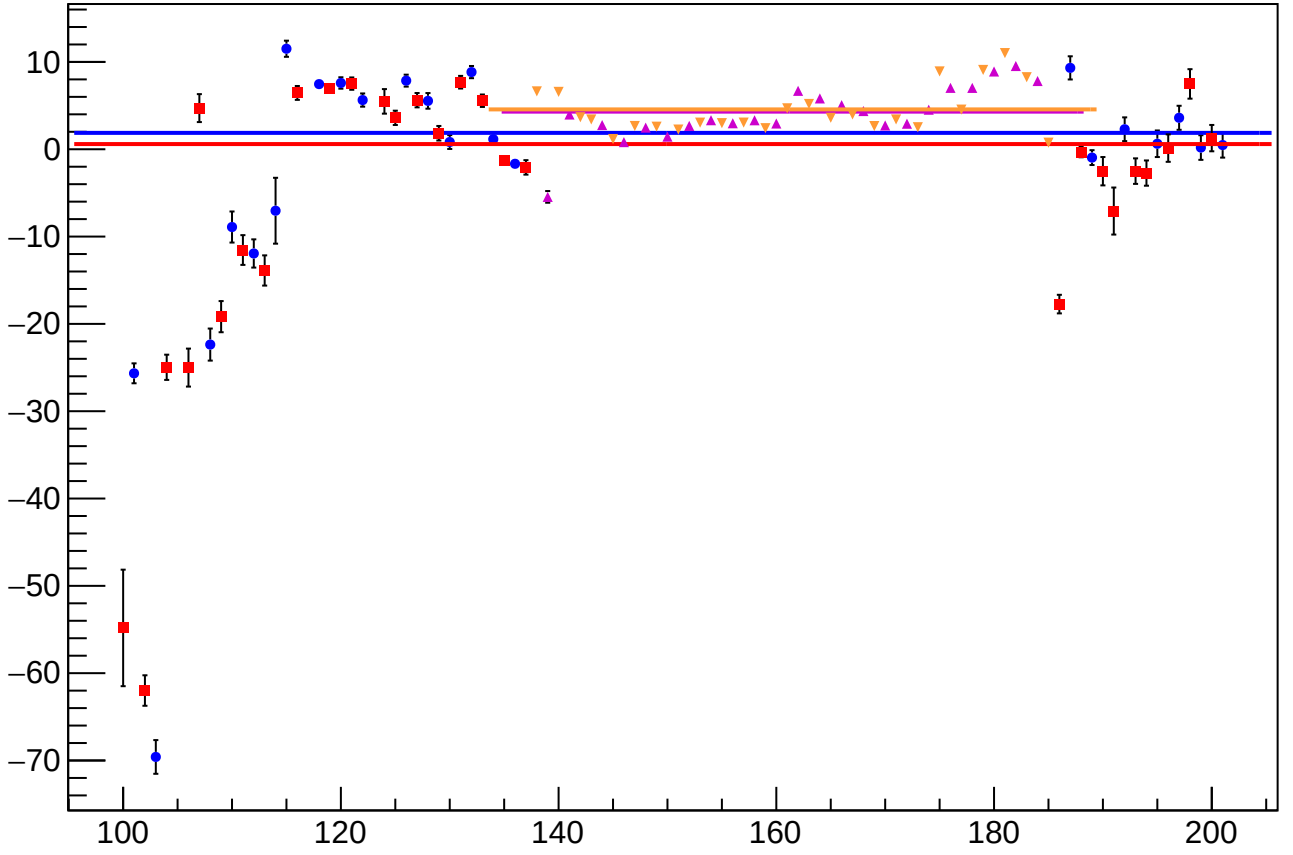
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.133+/-0.050 χ^2/NDF: 15851.5/47

All: -10.790+/-0.036 χ^2/NDF: 37934.8/98

- sign -10.433+/-0.051 χ^2/NDF: 21988.8/50

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: 0.594+/-0.184 χ^2/NDF: 2917.3/27

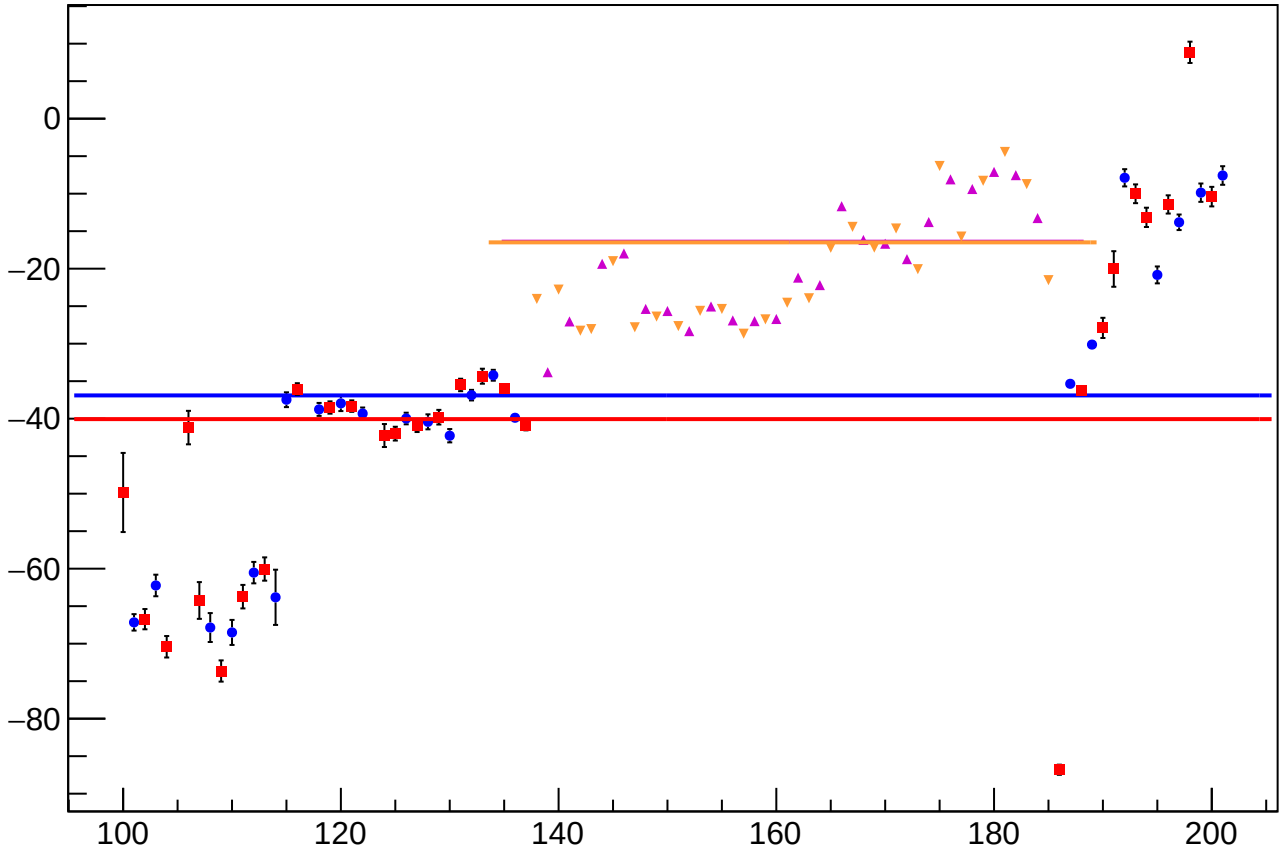
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.422+/-0.040 χ^2/NDF: 7463.6/47

All: 4.276+/-0.029 χ^2/NDF: 14402.3/98

- sign 4.124+/-0.041 χ^2/NDF: 6911.7/50

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: -40.059+/-0.173 χ^2/NDF: 10396.7/27

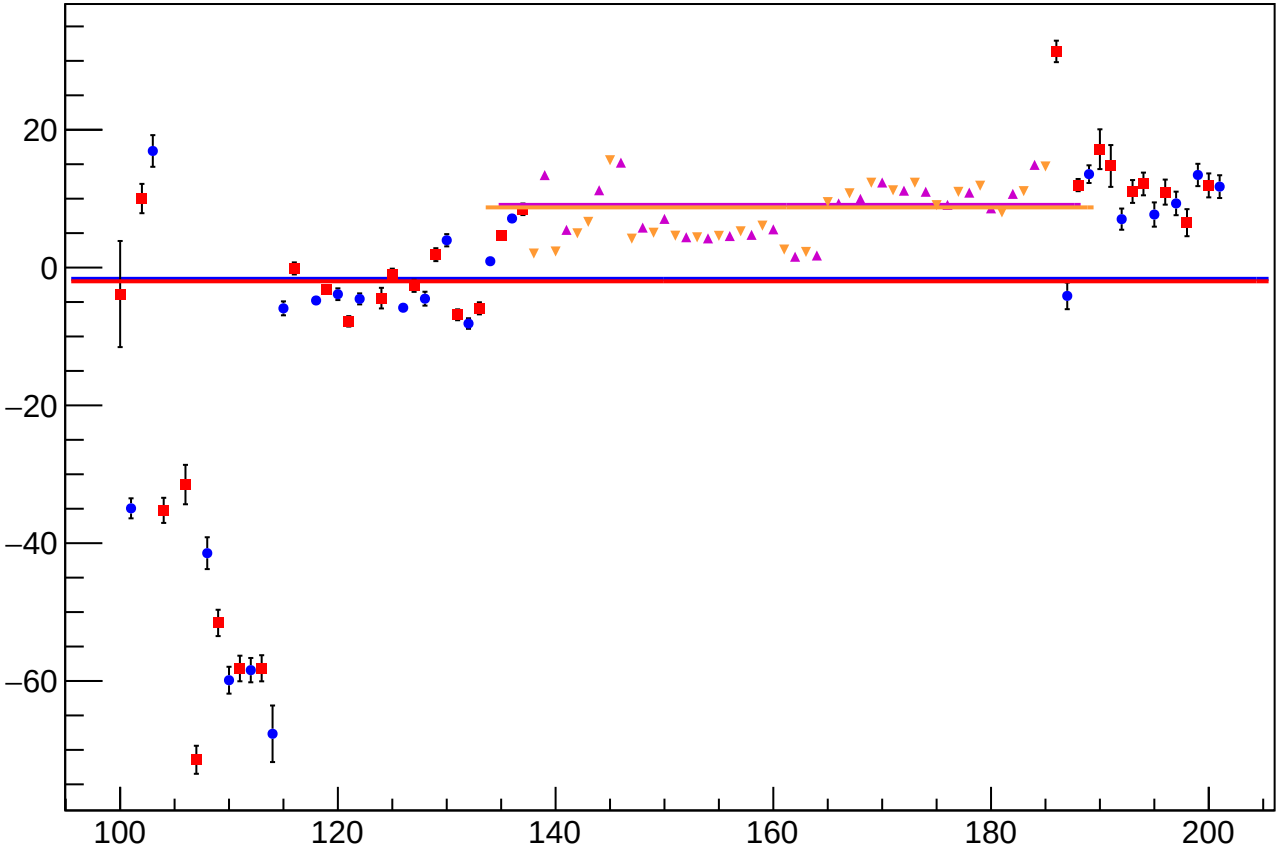
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.142+/-0.051 χ^2/NDF: 38745.7/47

All: -18.321+/-0.036 χ^2/NDF: 84324.3/98

- sign -18.507+/-0.051 χ^2/NDF: 45553.1/50

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: -1.992+/-0.212 χ^2/NDF: 5597.4/27

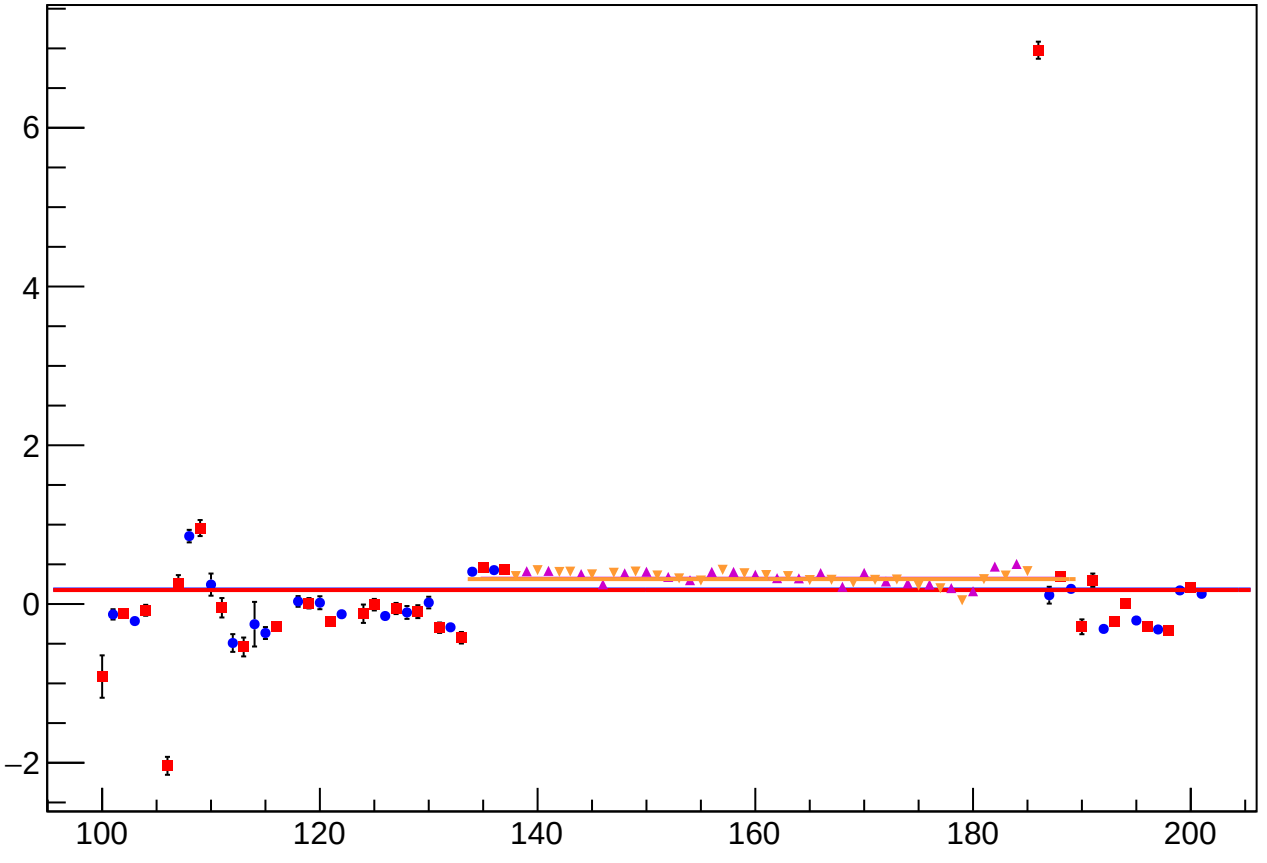
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.200+/-0.045 χ^2/NDF: 13630.6/47

All: 8.384+/-0.032 χ^2/NDF: 27597.9/98

- sign 8.577+/-0.046 χ^2/NDF: 13933.0/50

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: 0.176+/-0.011 χ^2/NDF: 5277.2/27

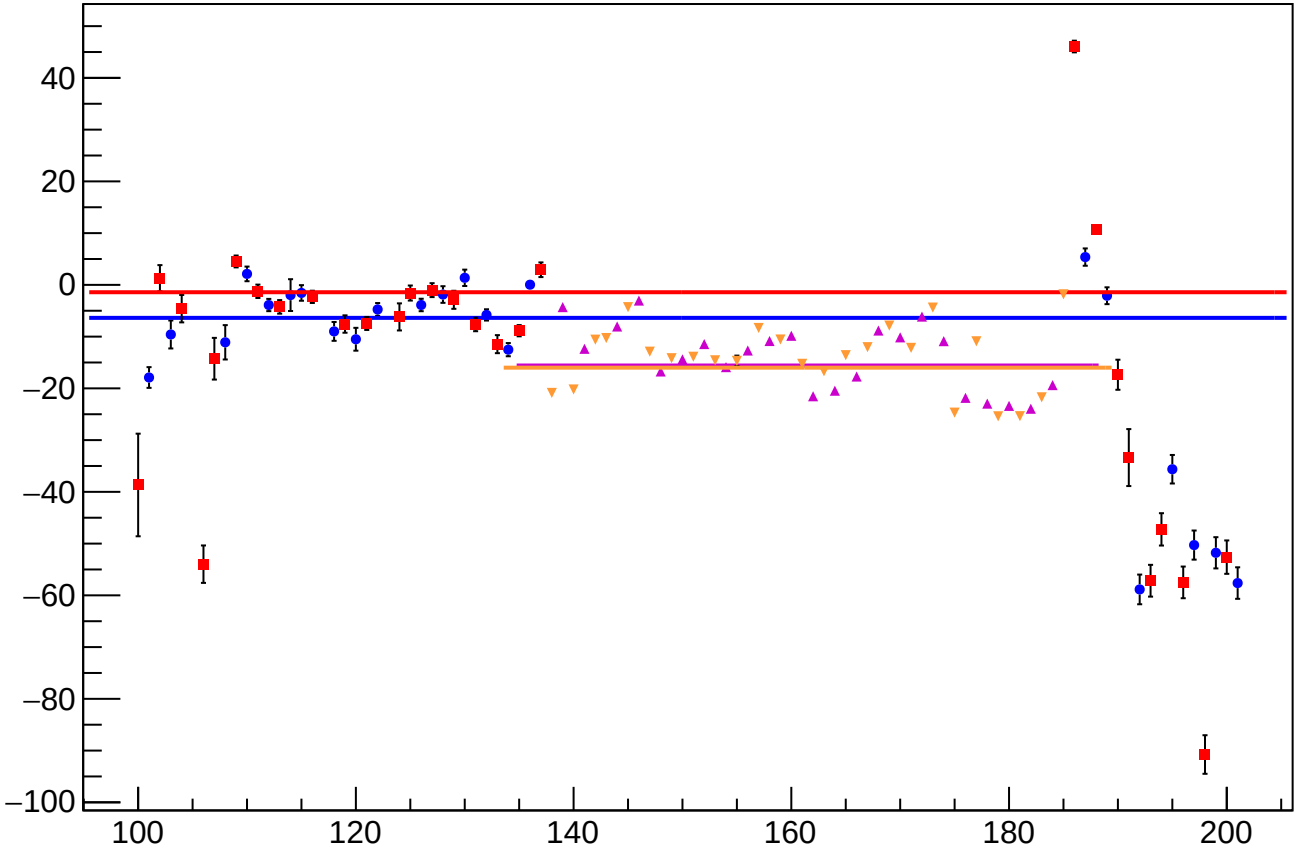
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.309+/-0.002 χ^2/NDF: 2673.3/47

All: 0.311+/-0.001 χ^2/NDF: 9905.3/98

- sign 0.314+/-0.002 χ^2/NDF: 7228.9/50

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: -1.421+/-0.309 χ^2/NDF: 4139.3/27

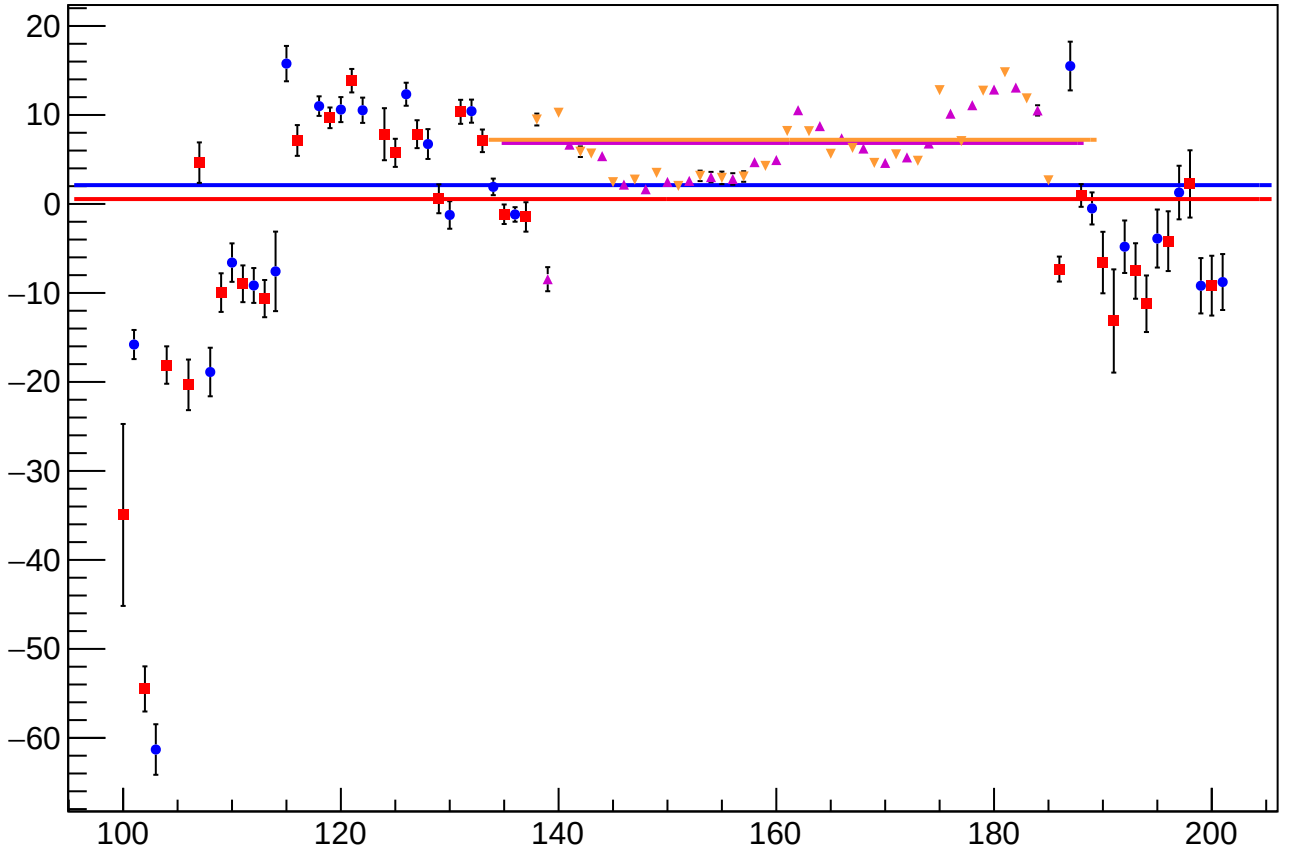
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.160+/-0.095 χ^2/NDF: 8277.4/47

All: -14.684+/-0.068 χ^2/NDF: 19123.9/98

- sign -14.189+/-0.097 χ^2/NDF: 10795.3/50

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: 0.550+/-0.345 χ^2/NDF: 1064.7/27

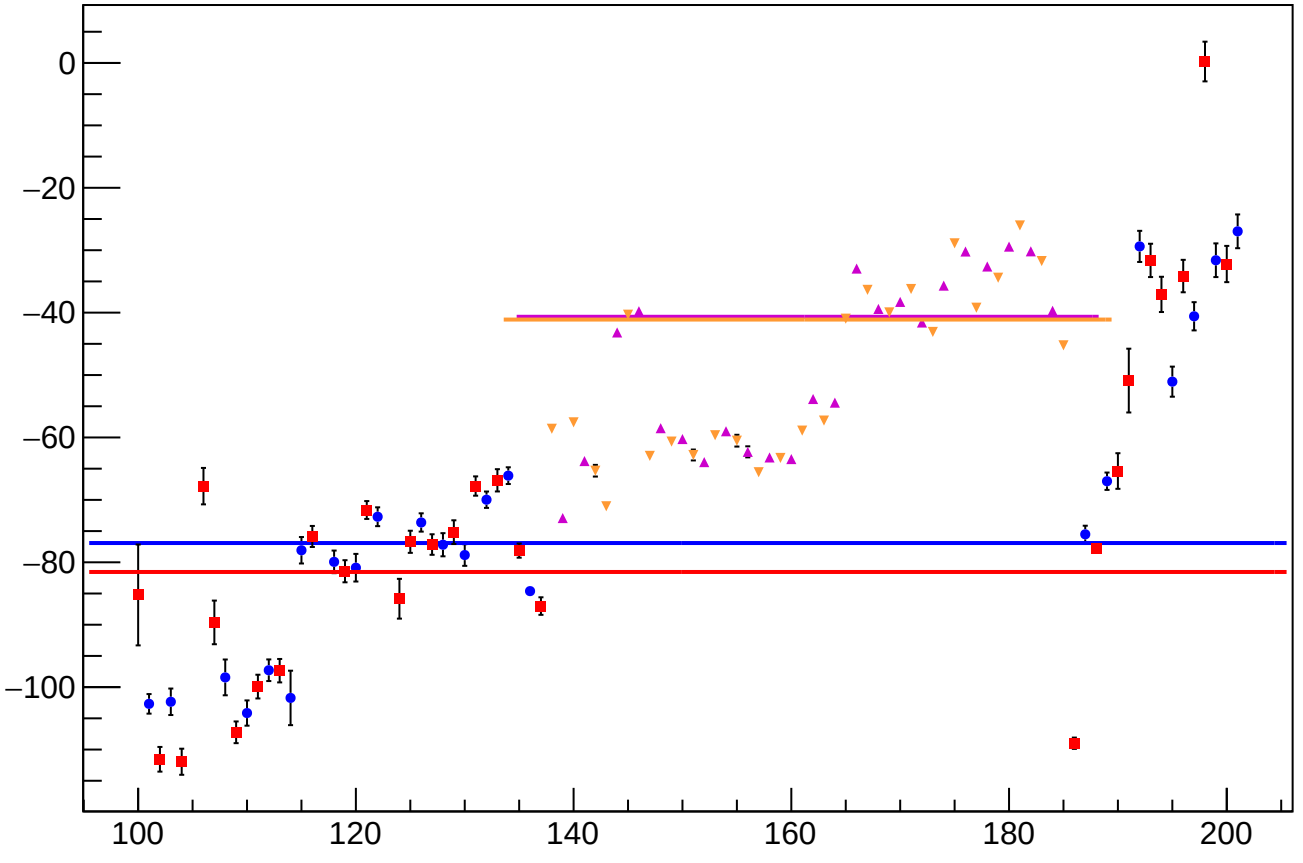
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.939+/-0.078 χ^2/NDF: 3780.6/47

All: 6.735+/-0.055 χ^2/NDF: 7331.9/98

- sign 6.526+/-0.079 χ^2/NDF: 3537.4/50

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: -81.549+/-0.321 χ^2/NDF: 4004.5/27

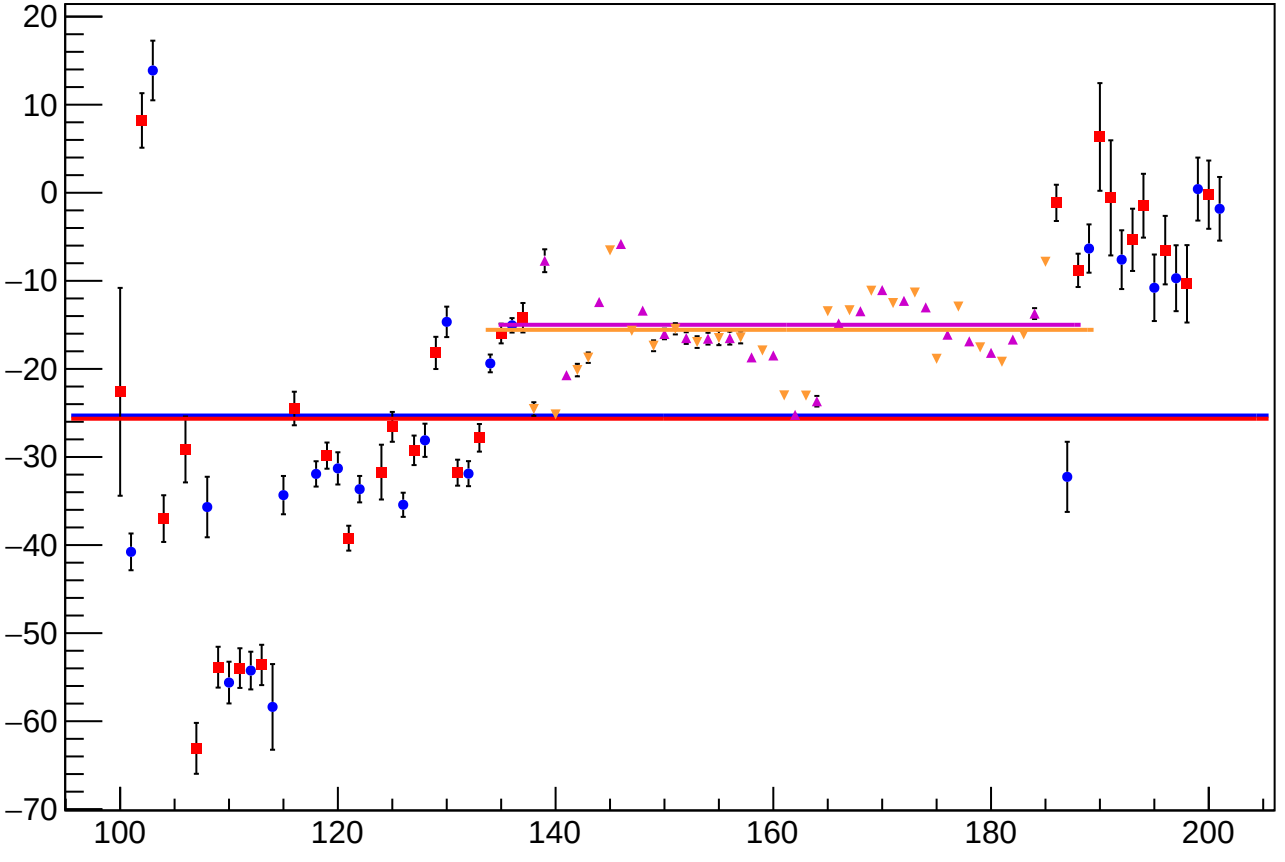
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.952+/-0.096 χ^2/NDF: 28637.3/47

All: -44.188+/-0.068 χ^2/NDF: 60929.8/98

- sign -44.431+/-0.097 χ^2/NDF: 32280.2/50

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: -25.656+/-0.399 χ^2/NDF: 1449.1/27

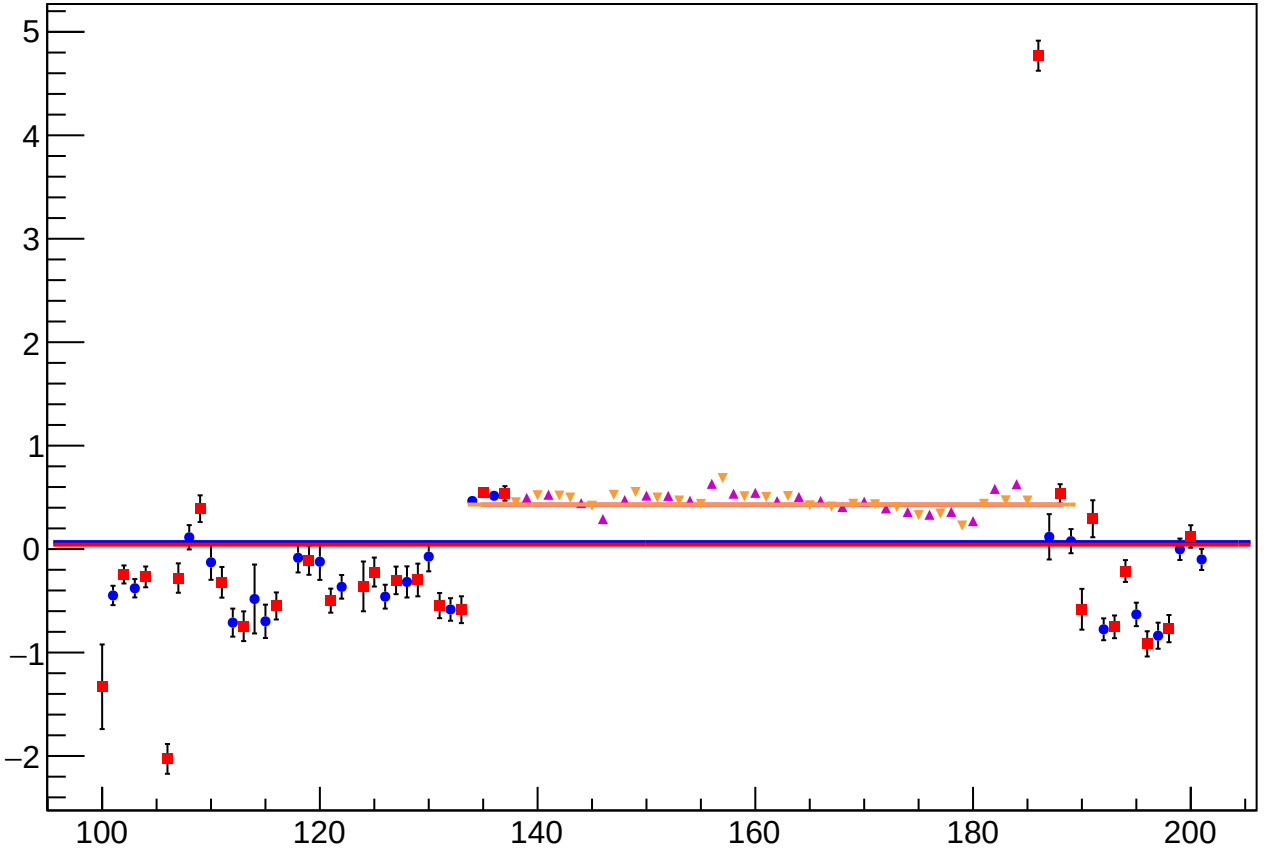
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.070+/-0.086 χ^2/NDF: 4358.0/47

All: -15.795+/-0.062 χ^2/NDF: 8659.0/98

- sign -15.510+/-0.088 χ^2/NDF: 4280.4/50

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: 0.043+/-0.021 χ^2/NDF: 1833.6/27

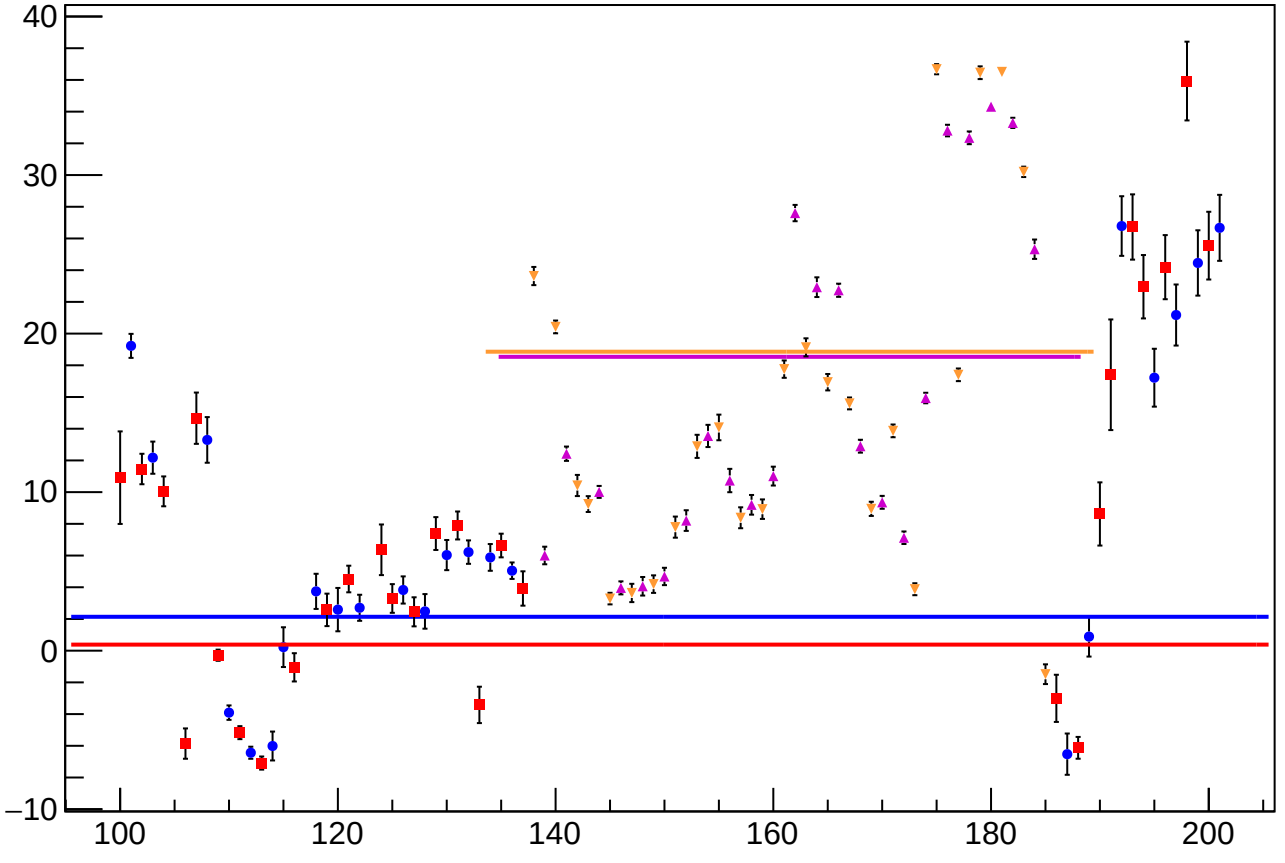
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

\+ sign 0.416+/-0.004 χ^2/NDF: 1358.2/47

All: 0.416+/-0.003 χ^2/NDF: 4105.0/98

\- sign 0.416+/-0.004 χ^2/NDF: 2746.8/50

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

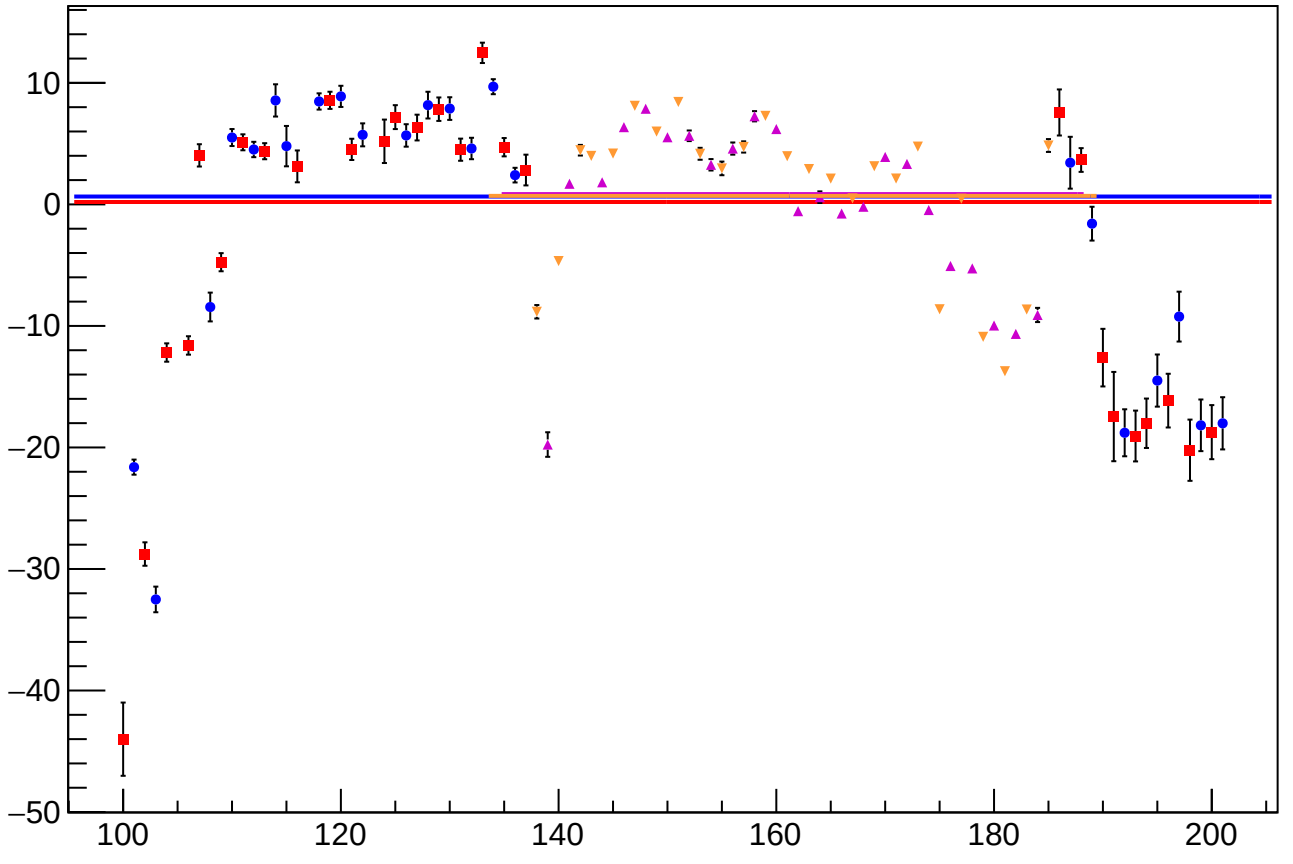
Right Out: 0.382+/-0.159 χ^2/NDF: 2064.4/27

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.360+/-0.080 χ^2/NDF: 27706.8/47

All: 14.619+/-0.057 χ^2/NDF: 53731.7/98

- sign 13.878+/-0.080 χ^2/NDF: 25855.2/50



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: 0.198+/-0.192 χ^2/NDF: 2826.8/27

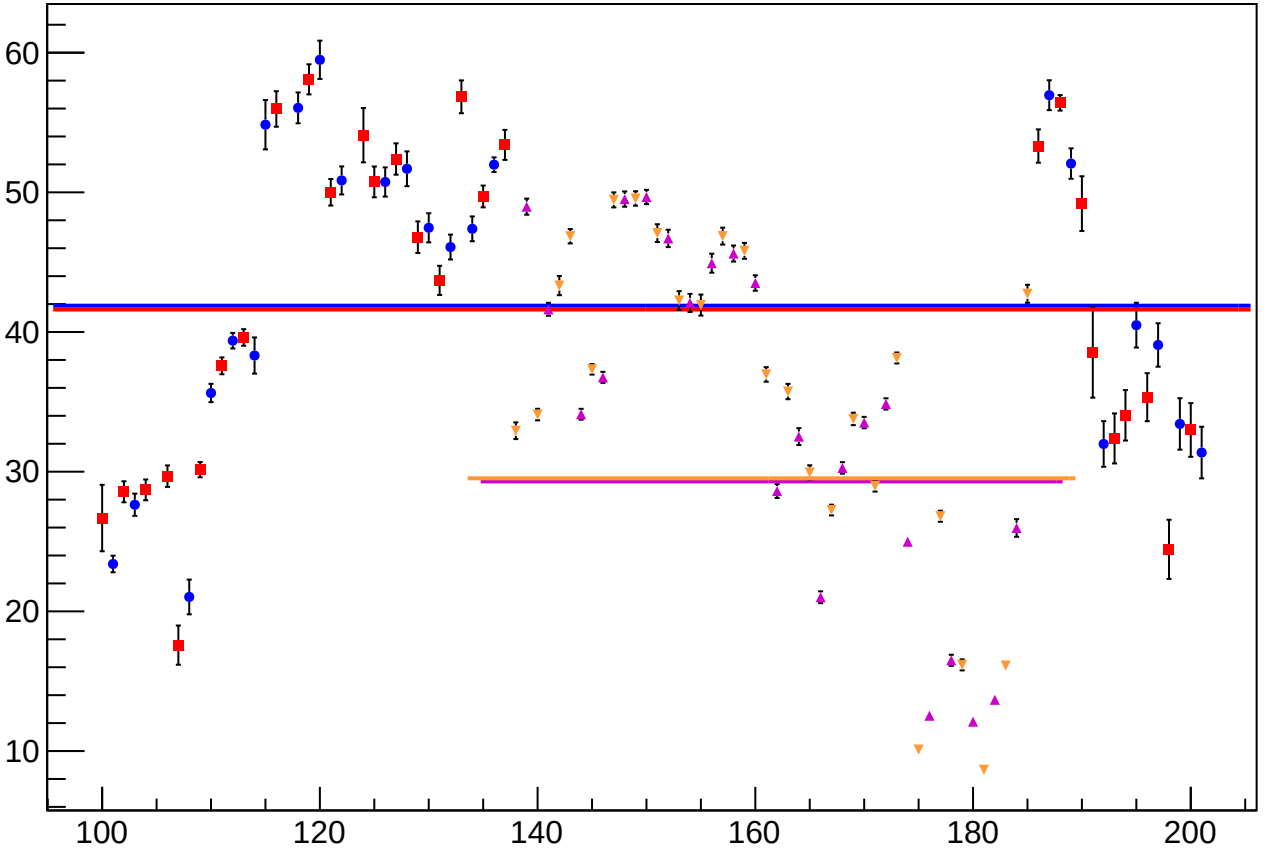
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.696+/-0.066 χ^2/NDF: 11666.4/47

All: 0.730+/-0.047 χ^2/NDF: 20549.2/98

- sign 0.766+/-0.068 χ^2/NDF: 8882.2/50

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: 41.610+/-0.182 χ^2/NDF: 3699.8/27

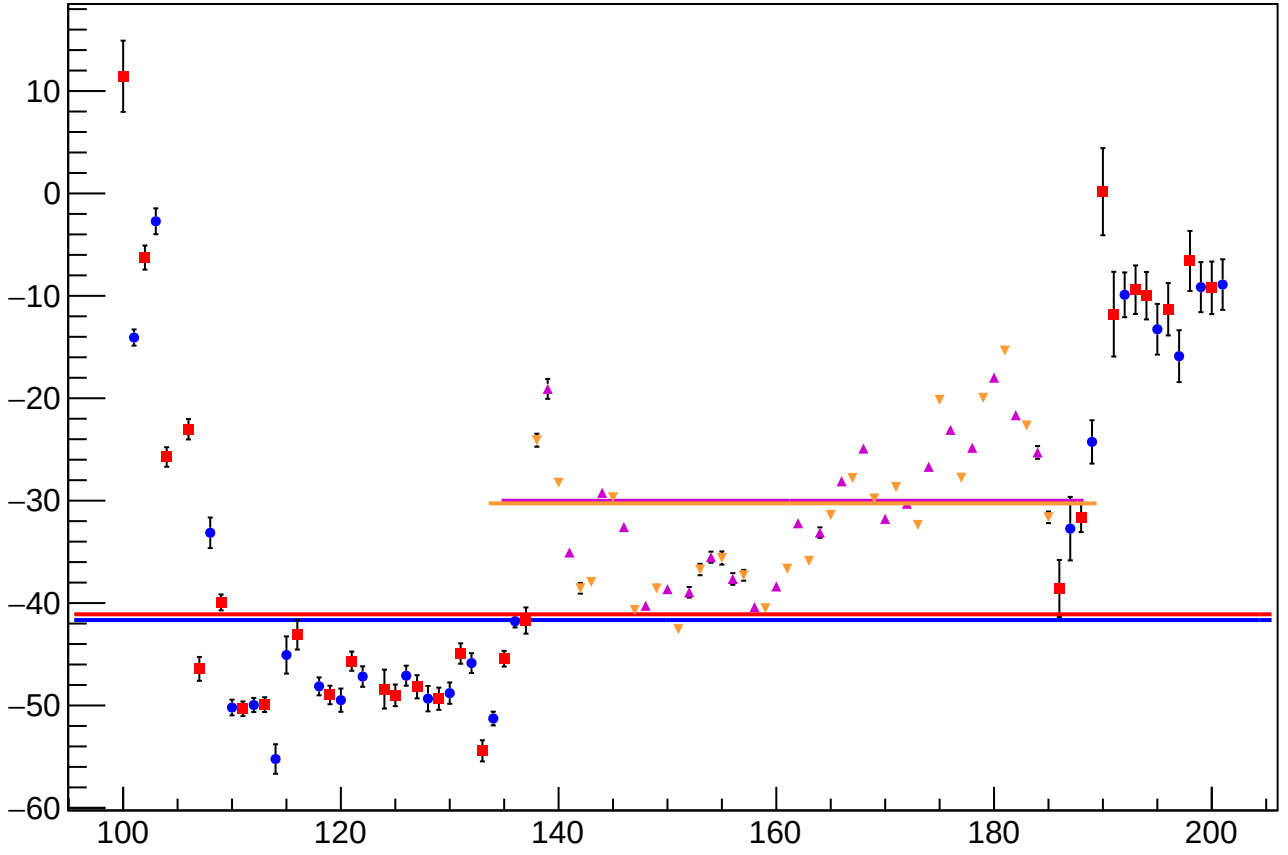
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.700+/-0.082 χ^2/NDF: 27489.6/47

All: 31.773+/-0.058 χ^2/NDF: 52670.4/98

- sign 31.848+/-0.083 χ^2/NDF: 25179.2/50

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: -41.098+/-0.220 χ^2/NDF: 3490.2/27

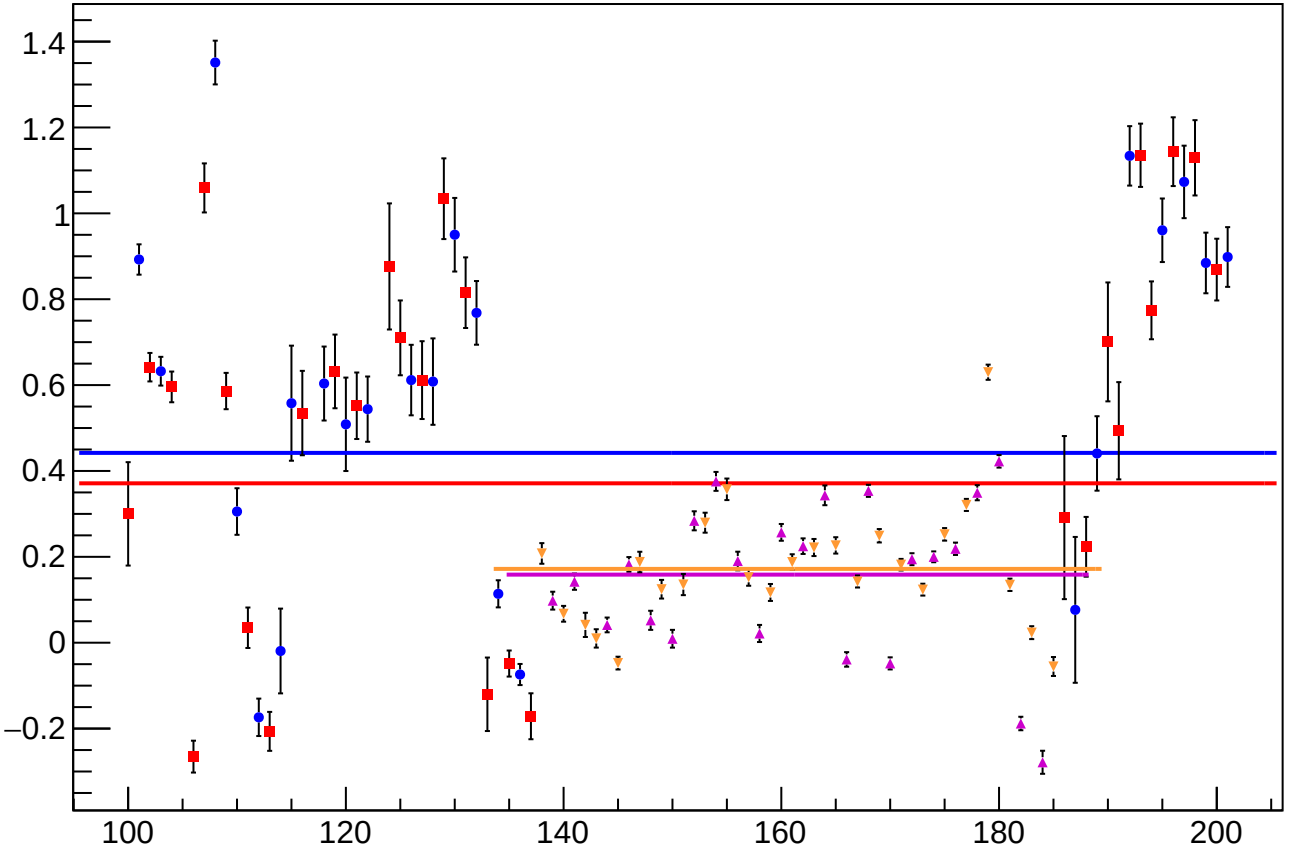
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.551+/-0.075 χ^2/NDF: 14736.6/47

All: -31.447+/-0.053 χ^2/NDF: 26539.6/98

- sign -31.339+/-0.076 χ^2/NDF: 11799.1/50

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: 0.371+/-0.011 χ^2/NDF: 1612.3/27

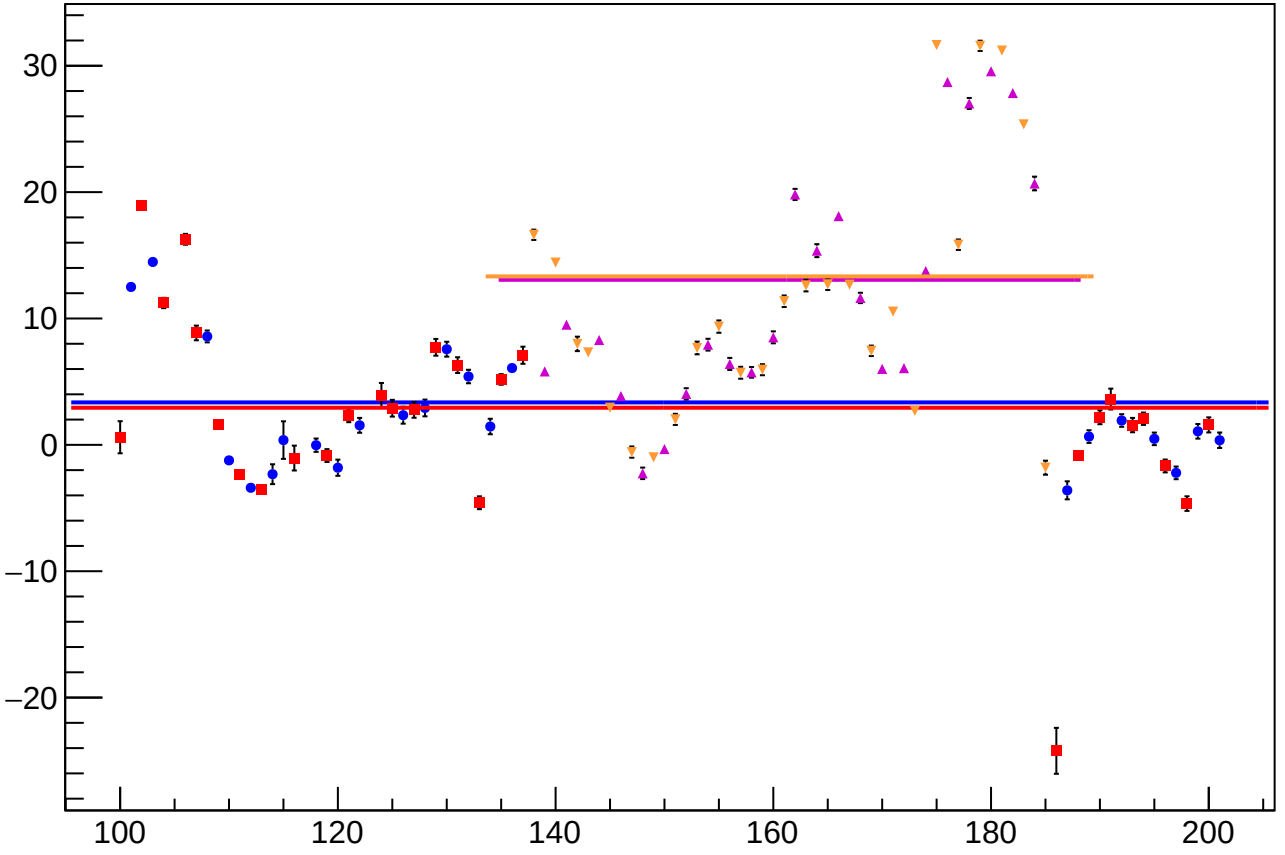
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.196+/-0.003 χ^2/NDF: 3670.5/47

All: 0.188+/-0.002 χ^2/NDF: 7812.7/98

- sign 0.179+/-0.003 χ^2/NDF: 4129.6/50

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: 2.939+/-0.091 χ^2/NDF: 5081.6/27

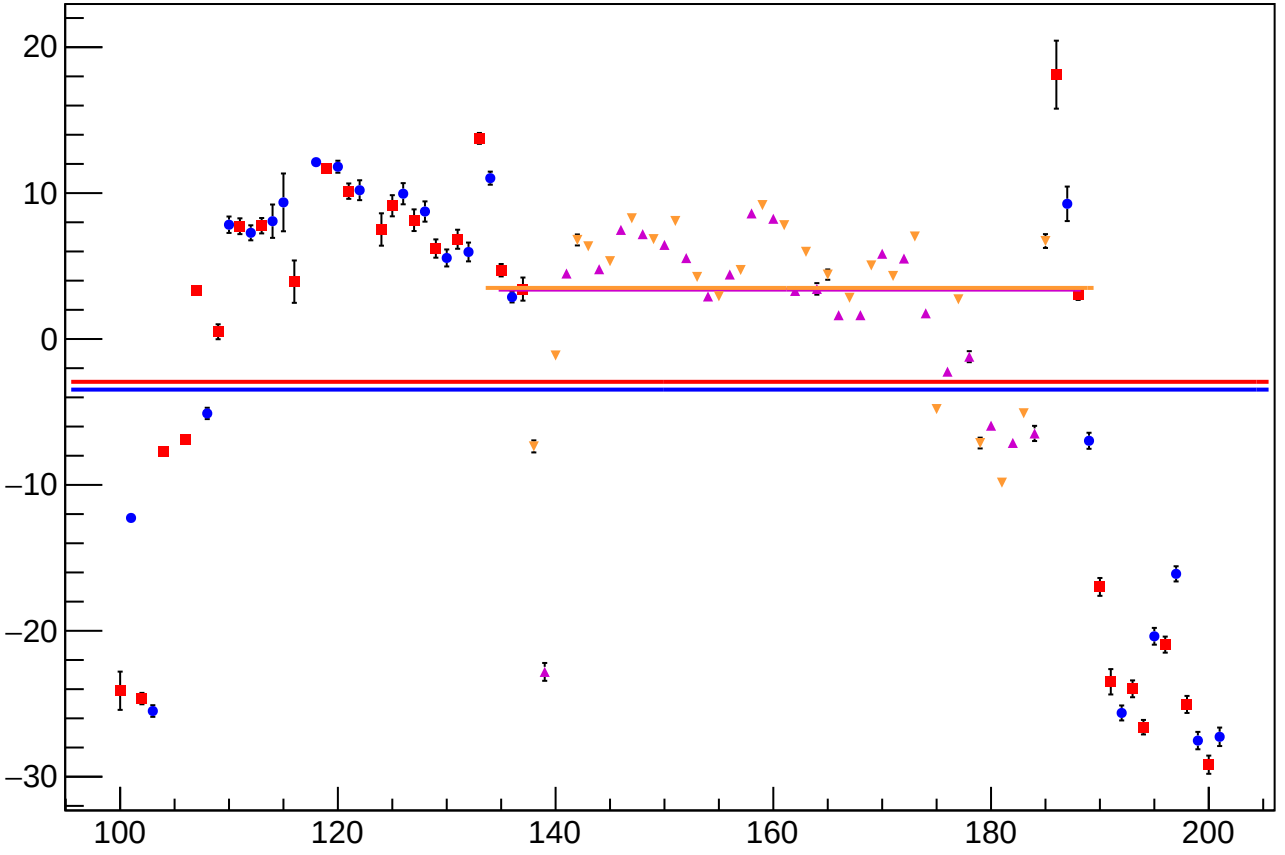
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 9.711+/-0.061 χ^2/NDF: 28592.3/47

All: 9.186+/-0.043 χ^2/NDF: 56416.9/98

- sign 8.685+/-0.060 χ^2/NDF: 27681.0/50

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: -2.934+/-0.096 χ^2/NDF: 20233.5/27

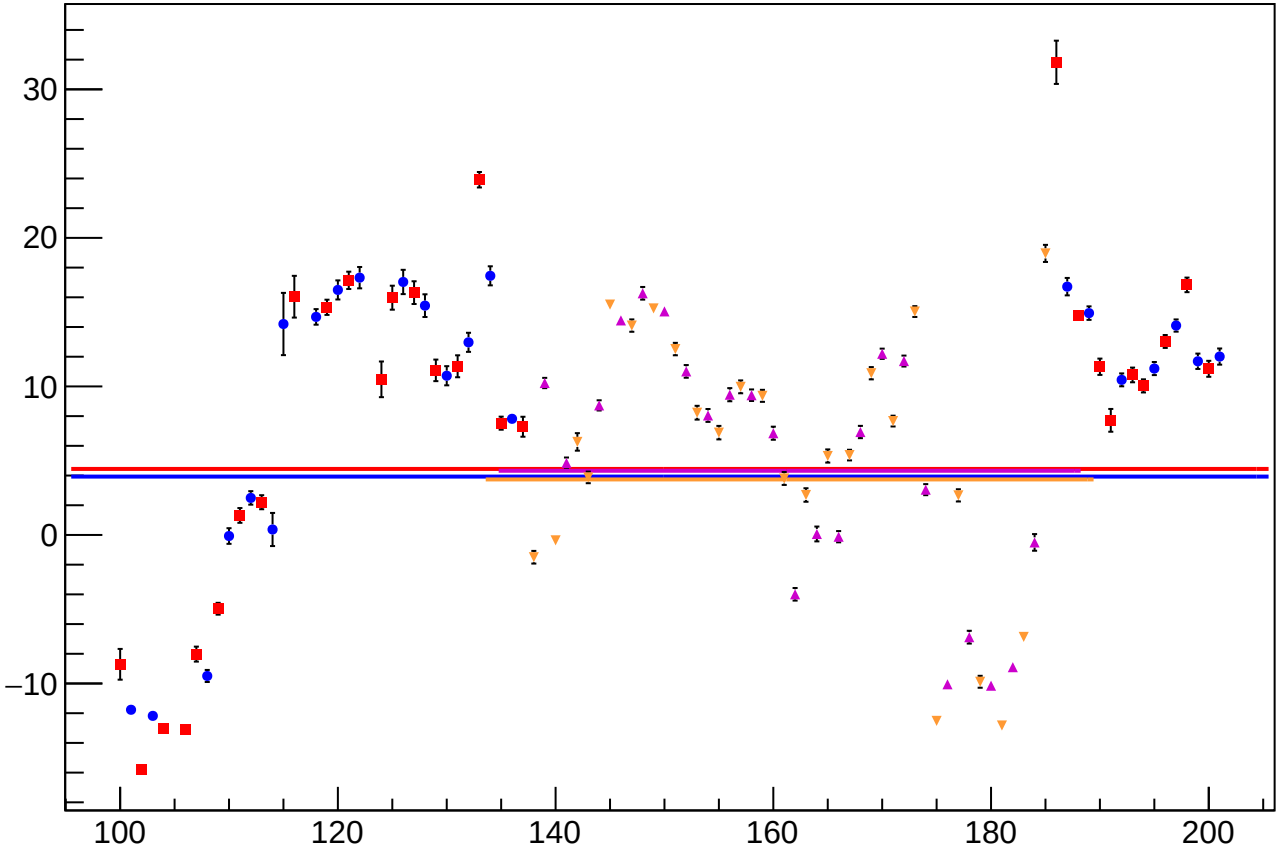
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 1.800+/-0.051 χ^2/NDF: 29639.9/47

All: 1.687+/-0.036 χ^2/NDF: 59669.1/98

- sign 1.572+/-0.052 χ^2/NDF: 30019.3/50

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

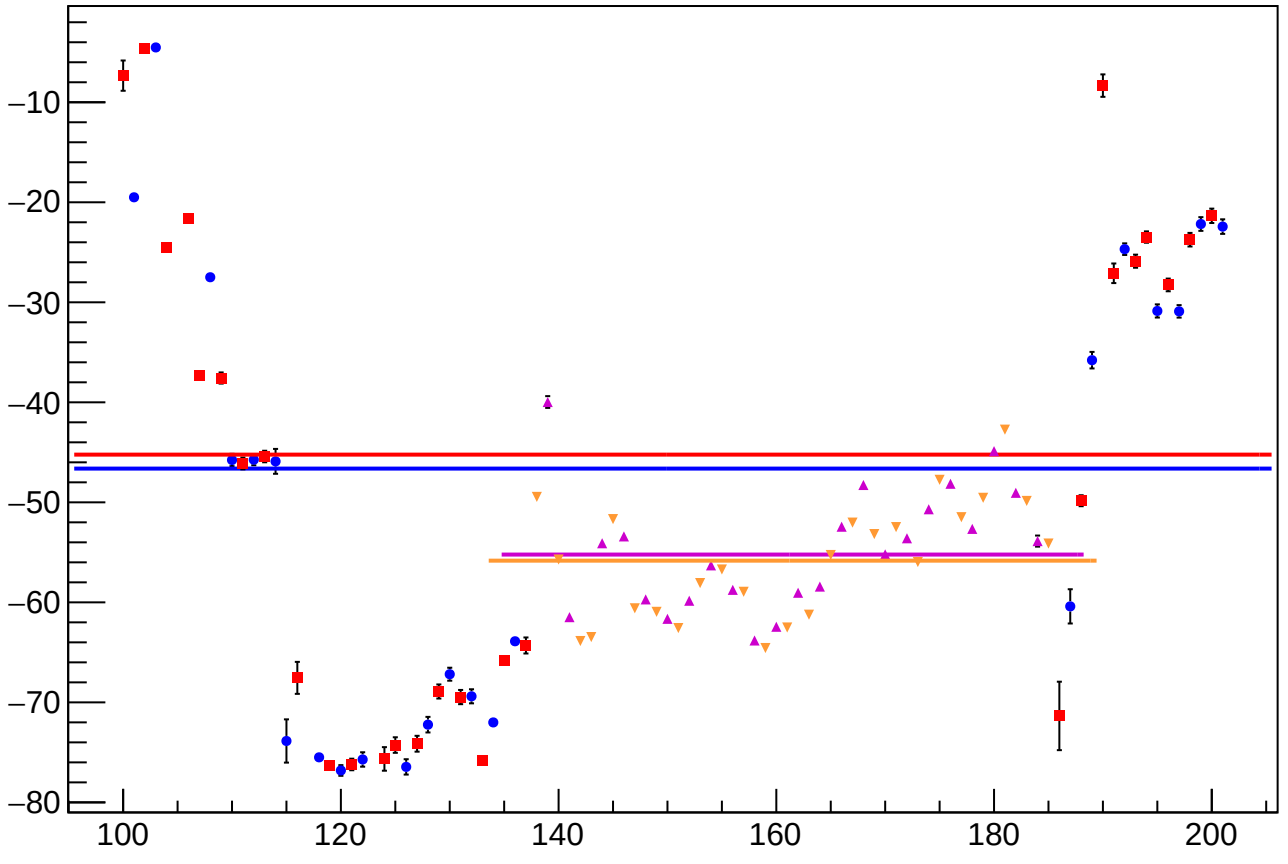
Right Out: 4.445+/-0.089 χ^2/NDF: 19270.6/27

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

\+ sign 3.809+/-0.061 χ^2/NDF: 28581.1/47

All: 4.100+/-0.042 χ^2/NDF: 60381.1/98

\- sign 4.376+/-0.059 χ^2/NDF: 31755.0/50



Right In: -46.627+/-0.121 χ^2/NDF: 40170.9/22

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

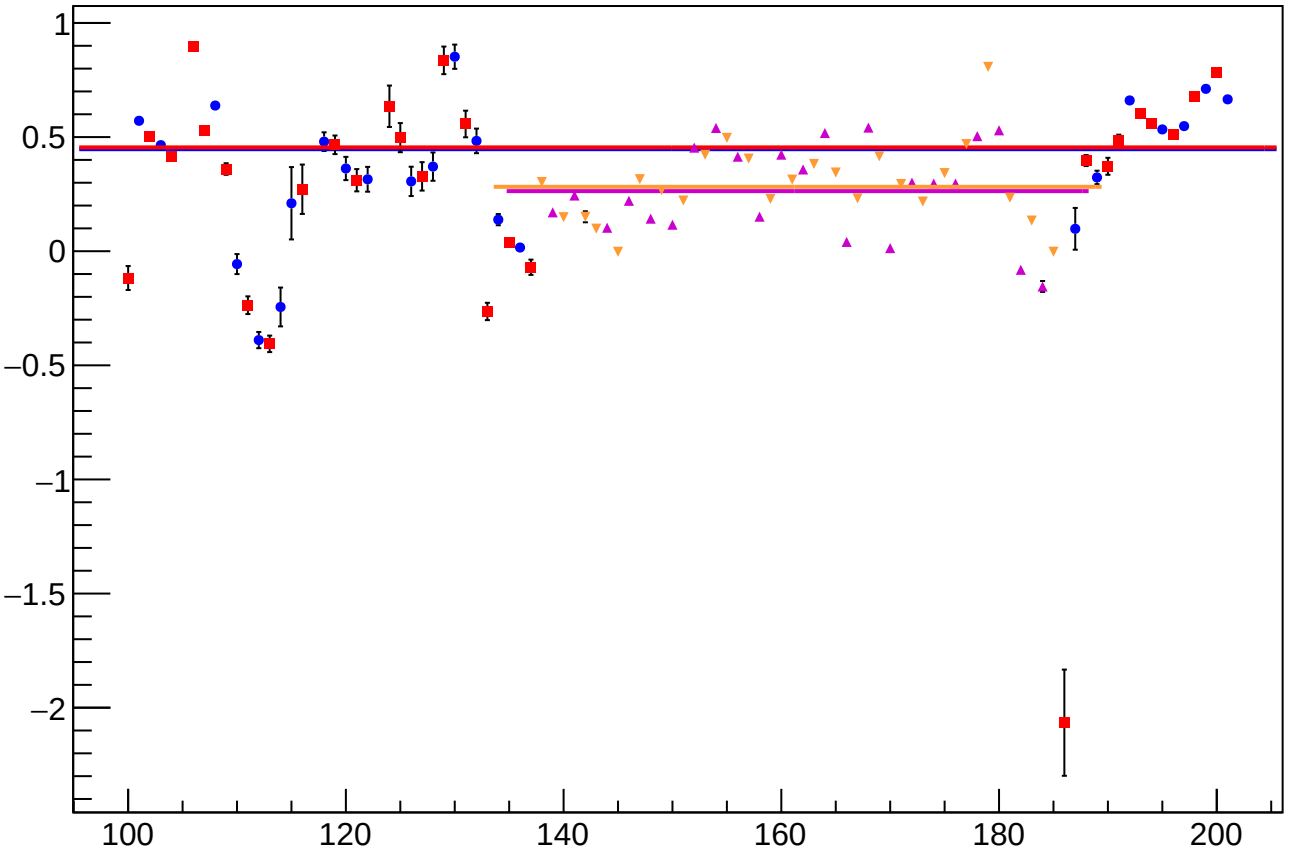
Right Out: -45.230+/-0.115 χ^2/NDF: 41932.4/27

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -53.714+/-0.058 χ^2/NDF: 52193.7/47

All: -53.158+/-0.041 χ^2/NDF: 106229.4/98

- sign -52.588+/-0.059 χ^2/NDF: 53851.0/50



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: 0.455+/-0.005 χ^2/NDF: 3564.7/27

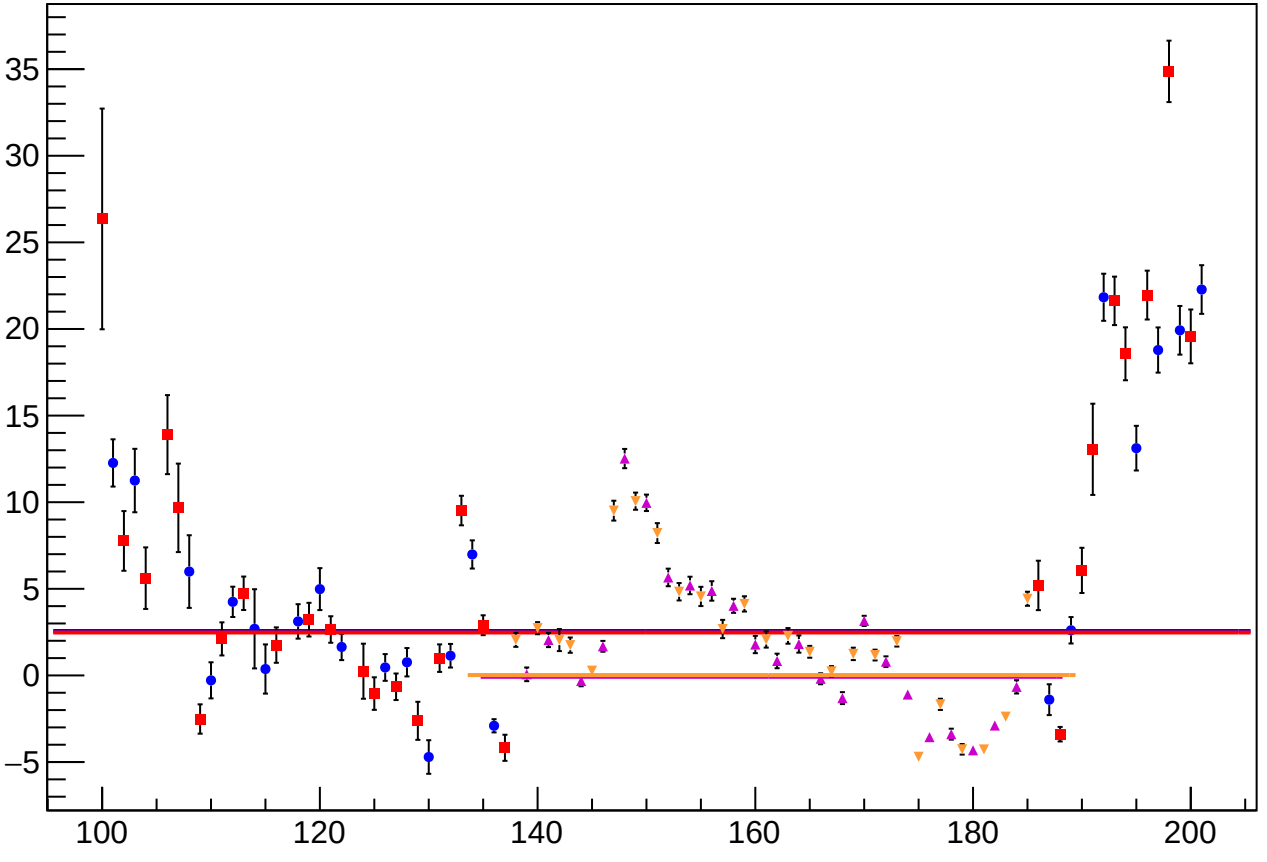
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.325+/-0.003 χ^2/NDF: 6046.5/47

All: 0.322+/-0.002 χ^2/NDF: 14601.1/98

- sign 0.319+/-0.003 χ^2/NDF: 8551.8/50

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: 2.479+/-0.185 χ^2/NDF: 1472.5/27

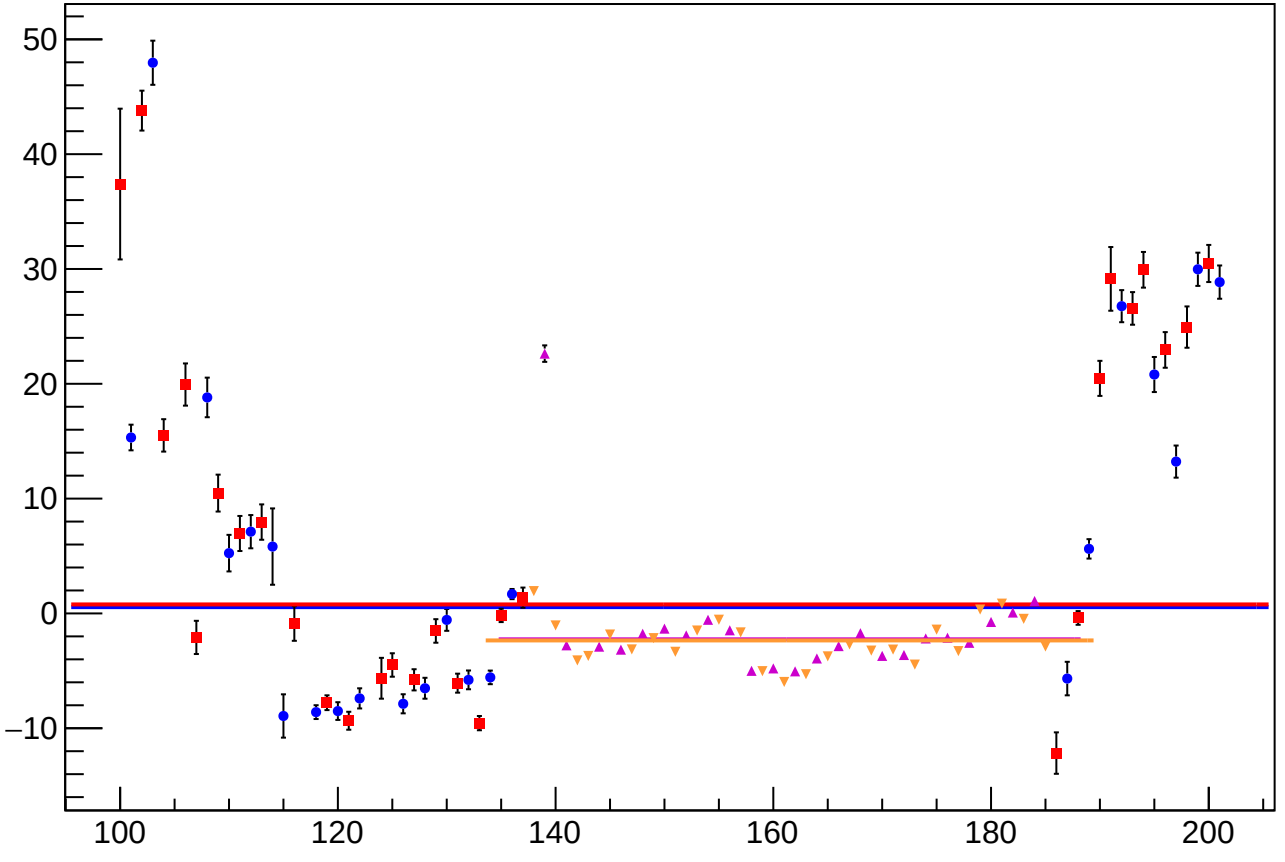
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.316+/-0.064 χ^2/NDF: 4113.8/47

All: 0.282+/-0.046 χ^2/NDF: 8218.4/98

- sign 0.246+/-0.066 χ^2/NDF: 4104.0/50

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.549+/-0.197 χ^2/NDF: 3199.6/22

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

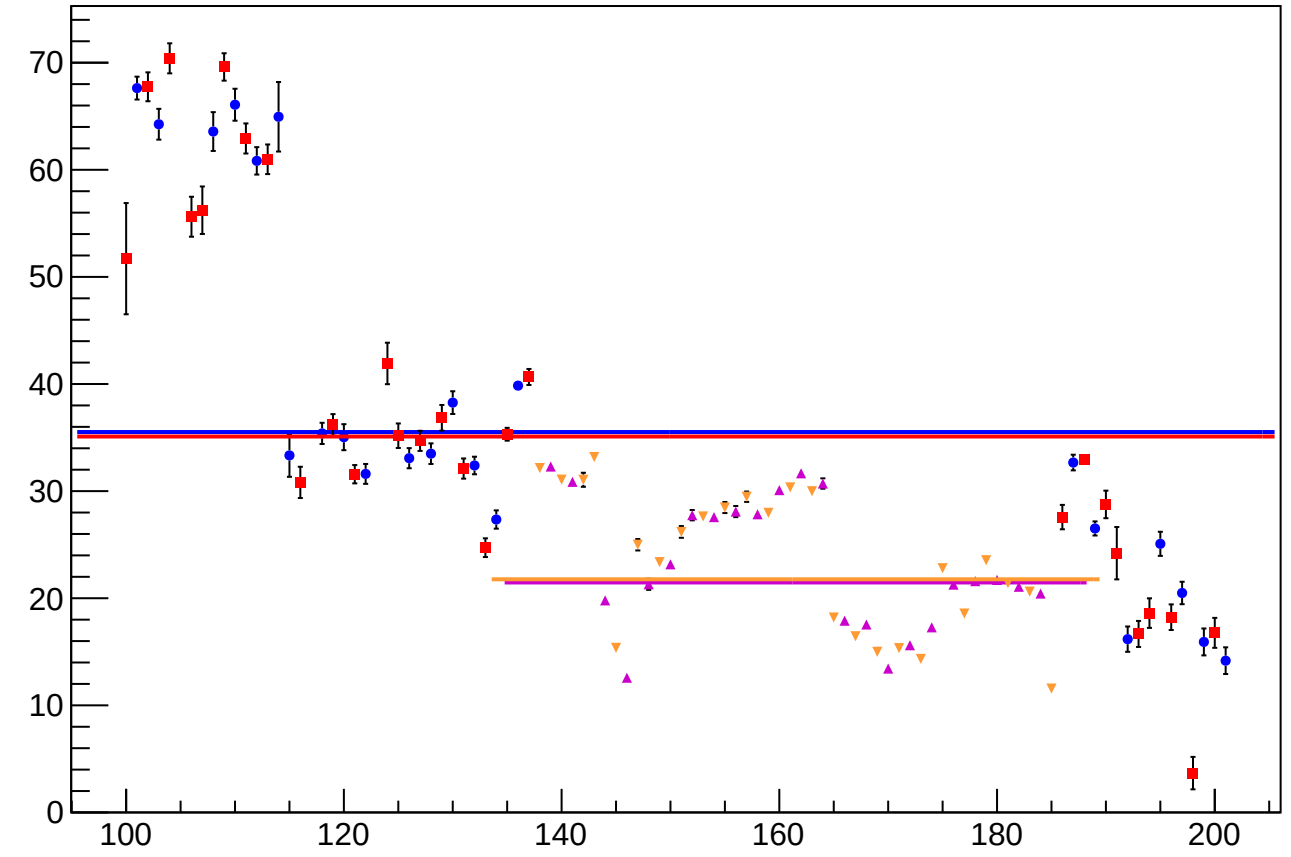
Right Out: 0.783+/-0.201 χ^2/NDF: 3459.0/27

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.141+/-0.053 χ^2/NDF: 4526.9/47

All: -2.089+/-0.038 χ^2/NDF: 10077.3/98

- sign -2.035+/-0.054 χ^2/NDF: 5548.4/50



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: 35.098+/-0.185 χ^2/NDF: 4462.1/27

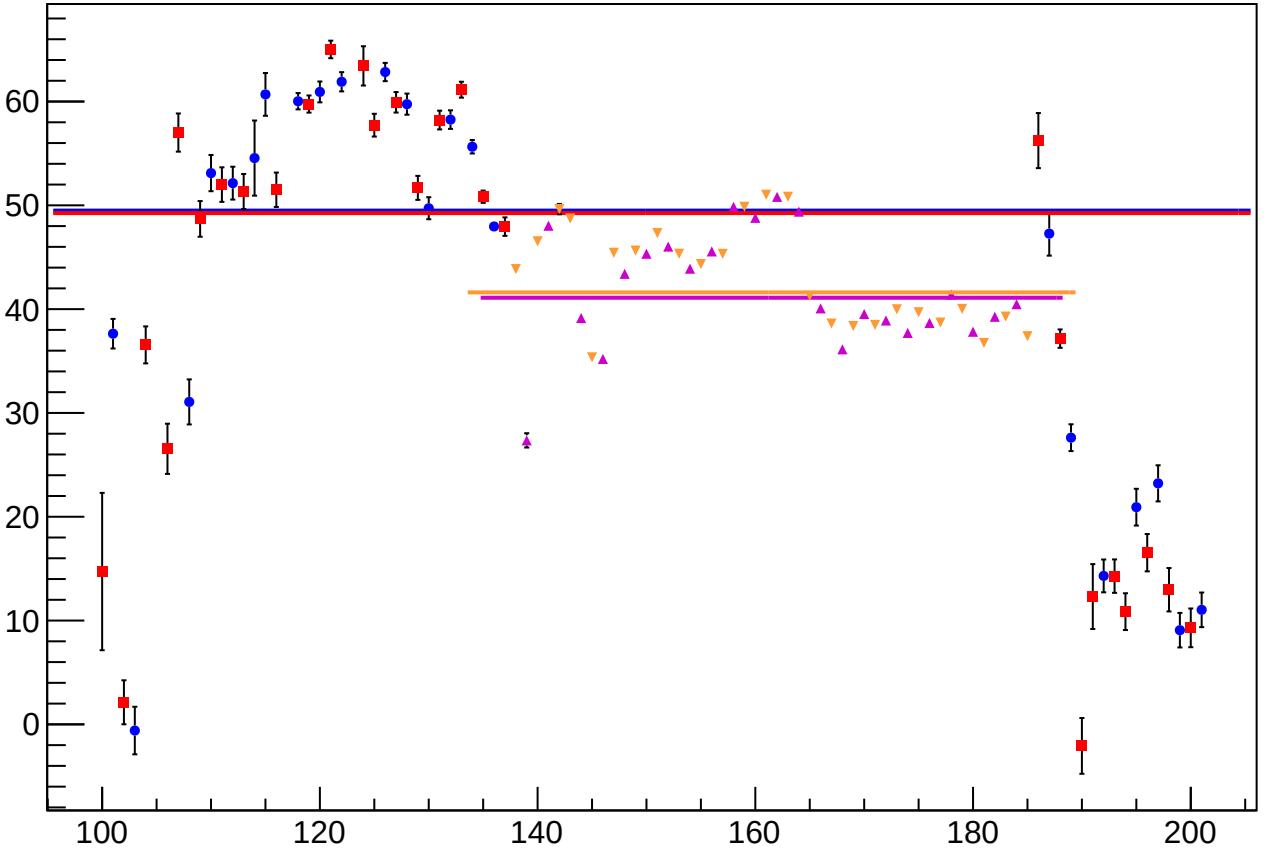
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

\+ sign 23.305+/-0.065 χ^2/NDF: 15274.7/47

All: 23.252+/-0.046 χ^2/NDF: 30239.1/98

\- sign 23.197+/-0.066 χ^2/NDF: 14963.0/50

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: 49.254+/-0.233 χ^2/NDF: 4503.3/27

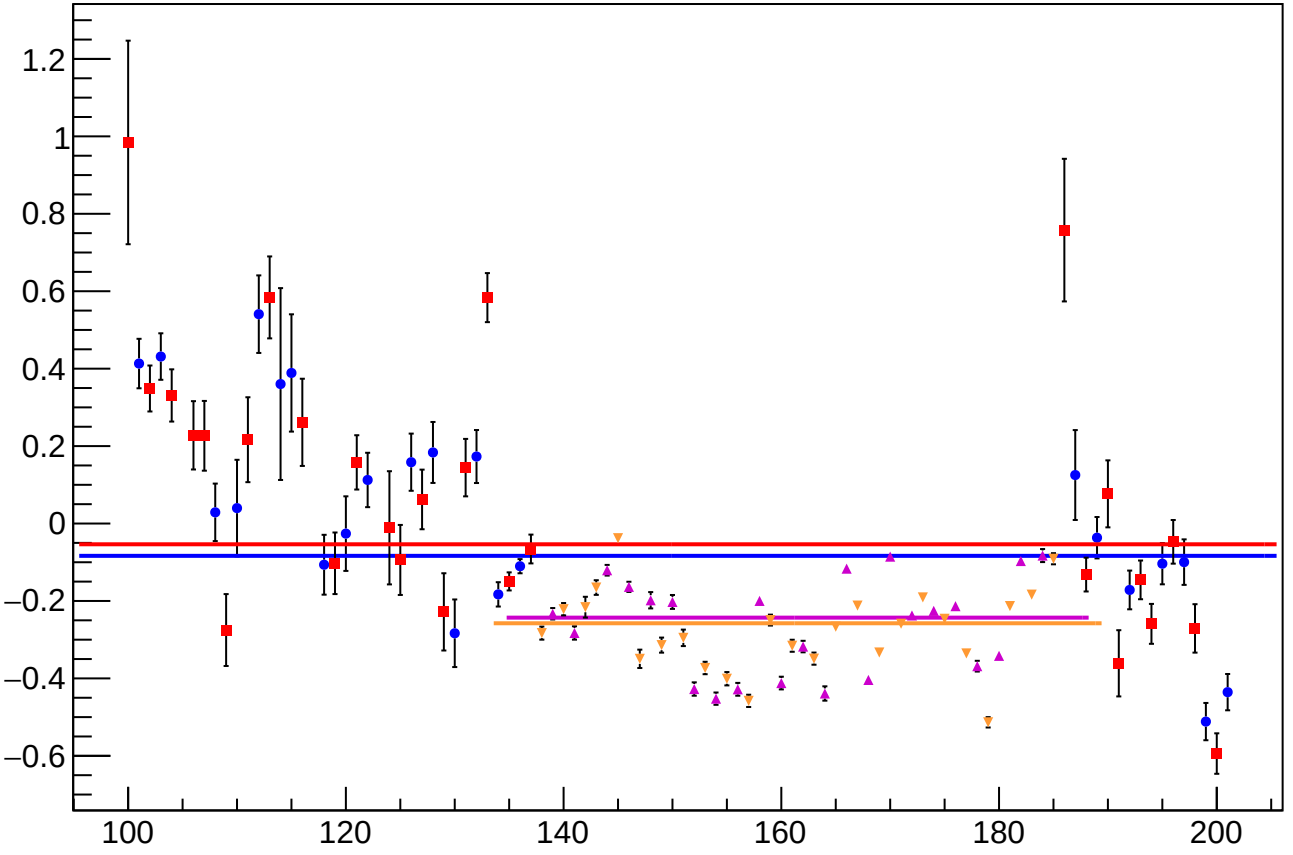
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.166+/-0.059 χ^2/NDF: 11005.4/47

All: 41.913+/-0.042 χ^2/NDF: 22167.5/98

- sign 41.648+/-0.061 χ^2/NDF: 11124.7/50

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

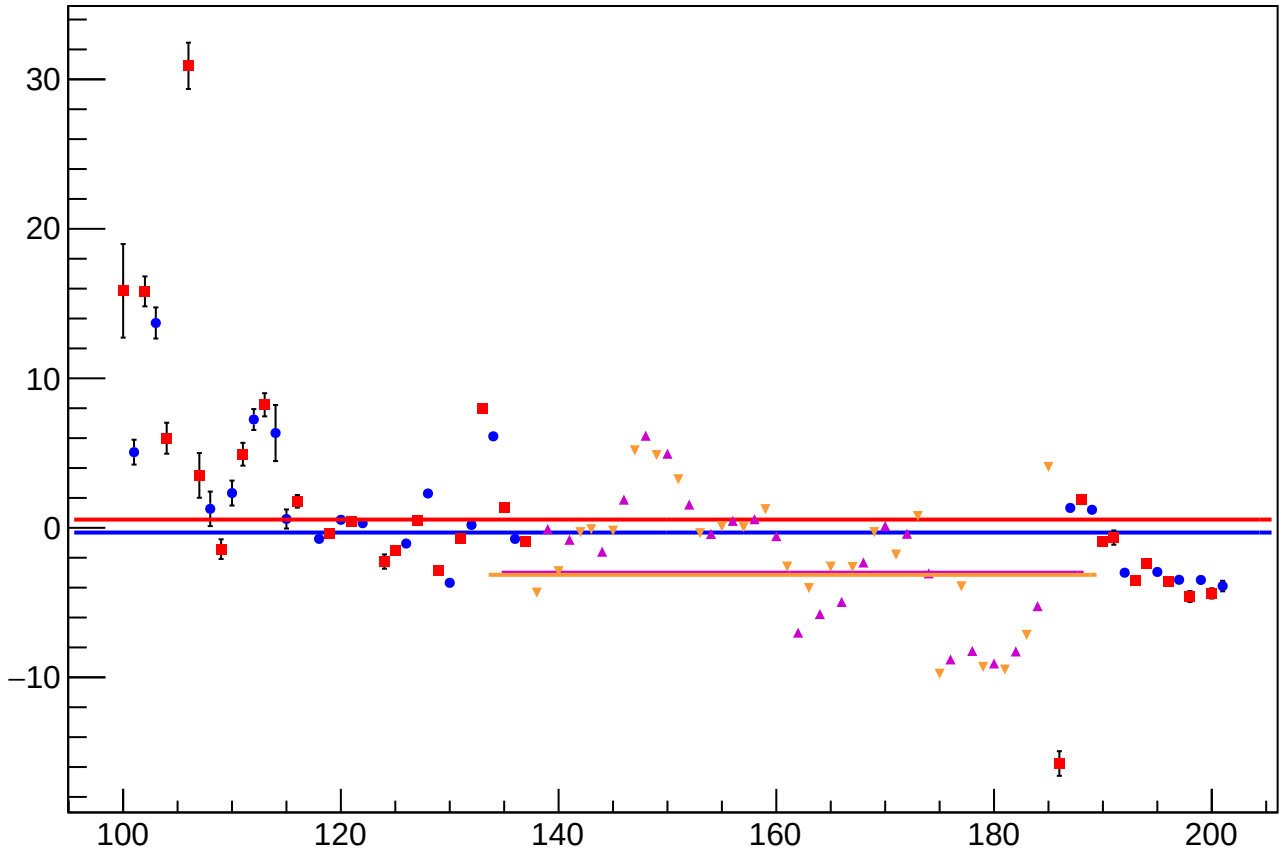
Right Out: -0.054+/-0.012 χ^2/NDF: 486.2/27

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: 4716.4/98

- sign -0.233+/-0.003 χ^2/NDF: 2551.4/50



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: 0.552+/-0.058 χ^2/NDF: 4009.6/27

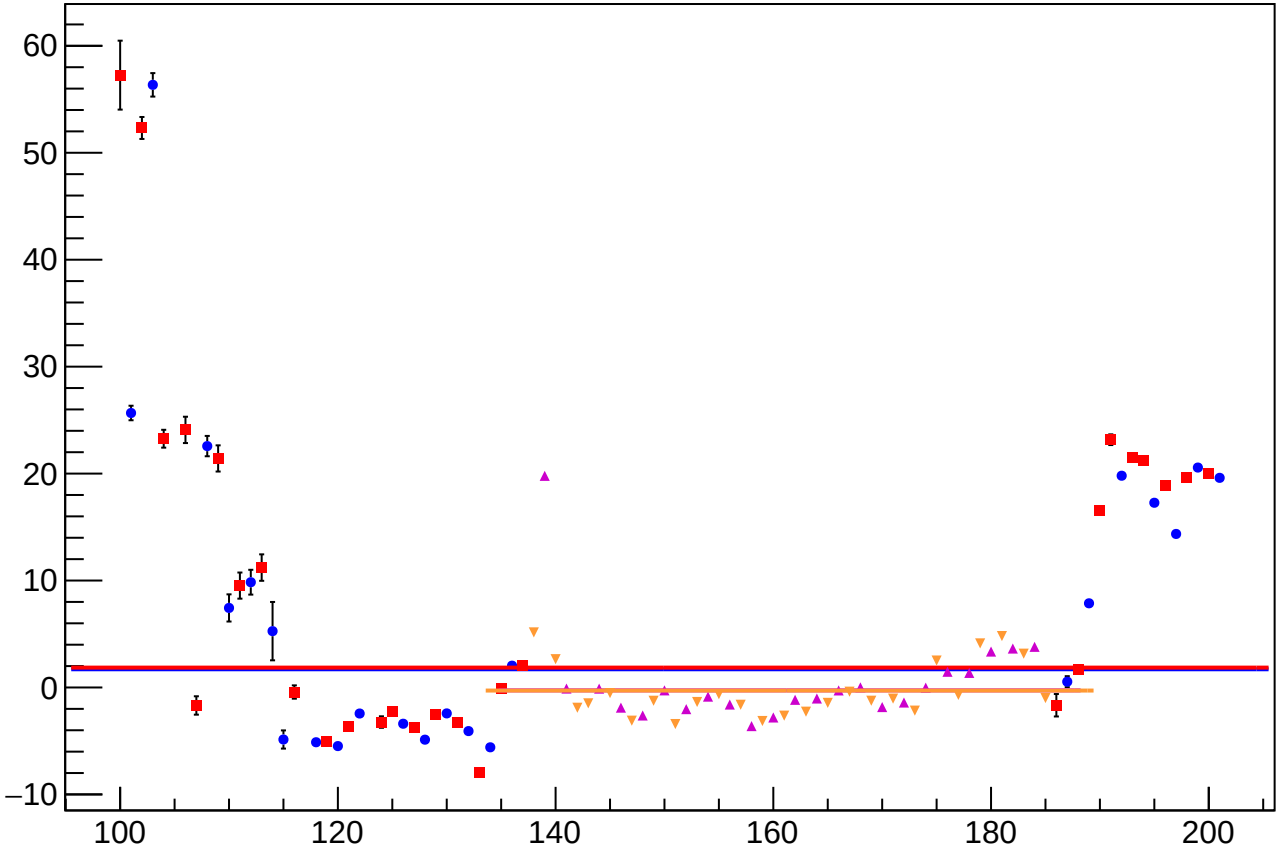
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.688+/-0.025 χ^2/NDF: 28779.7/47

All: -2.498+/-0.018 χ^2/NDF: 58363.5/98

- sign -2.306+/-0.026 χ^2/NDF: 29471.6/50

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: 1.858+/-0.059 χ^2/NDF: 32595.0/27

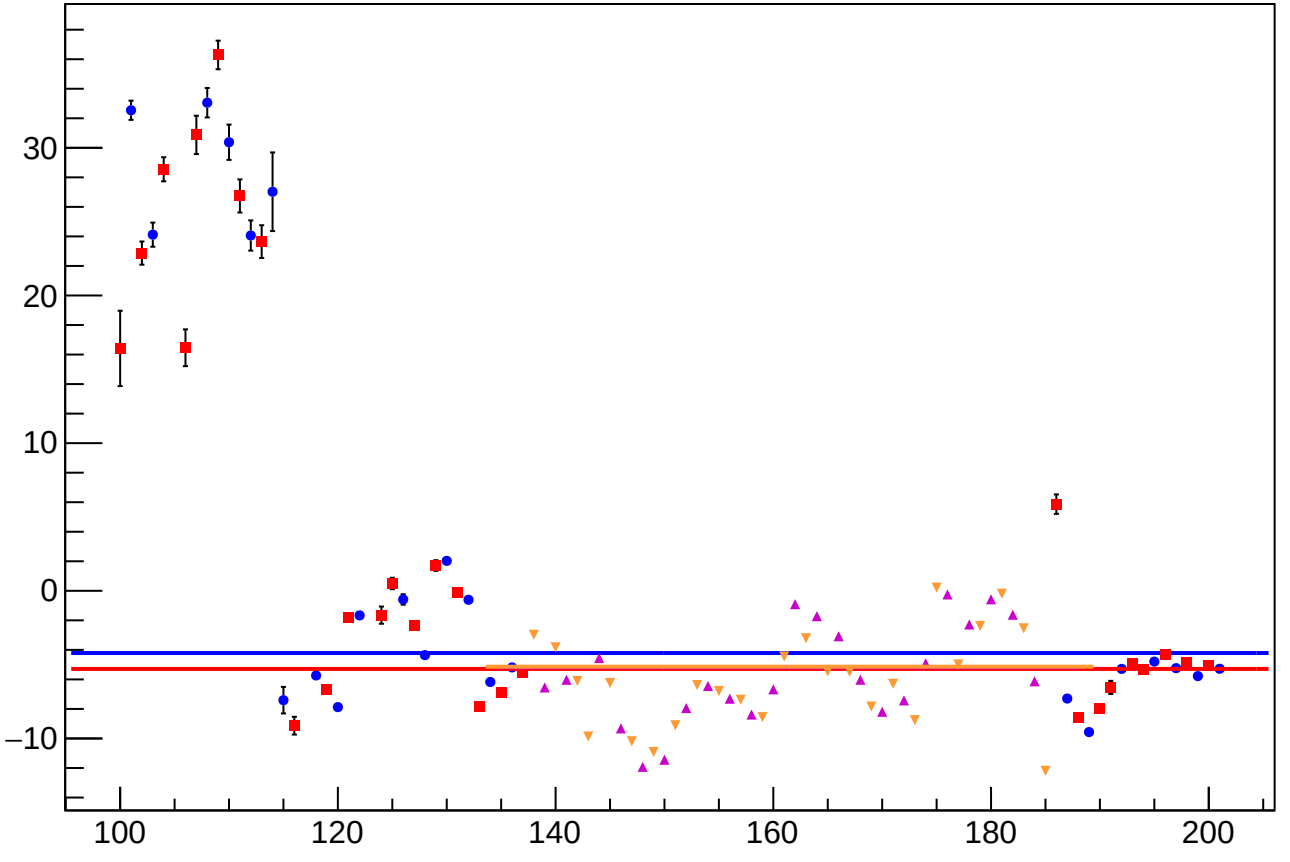
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.064+/-0.021 χ^2/NDF: 38080.9/47

All: -0.033+/-0.015 χ^2/NDF: 85057.2/98

- sign -0.001+/-0.021 χ^2/NDF: 46971.6/50

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

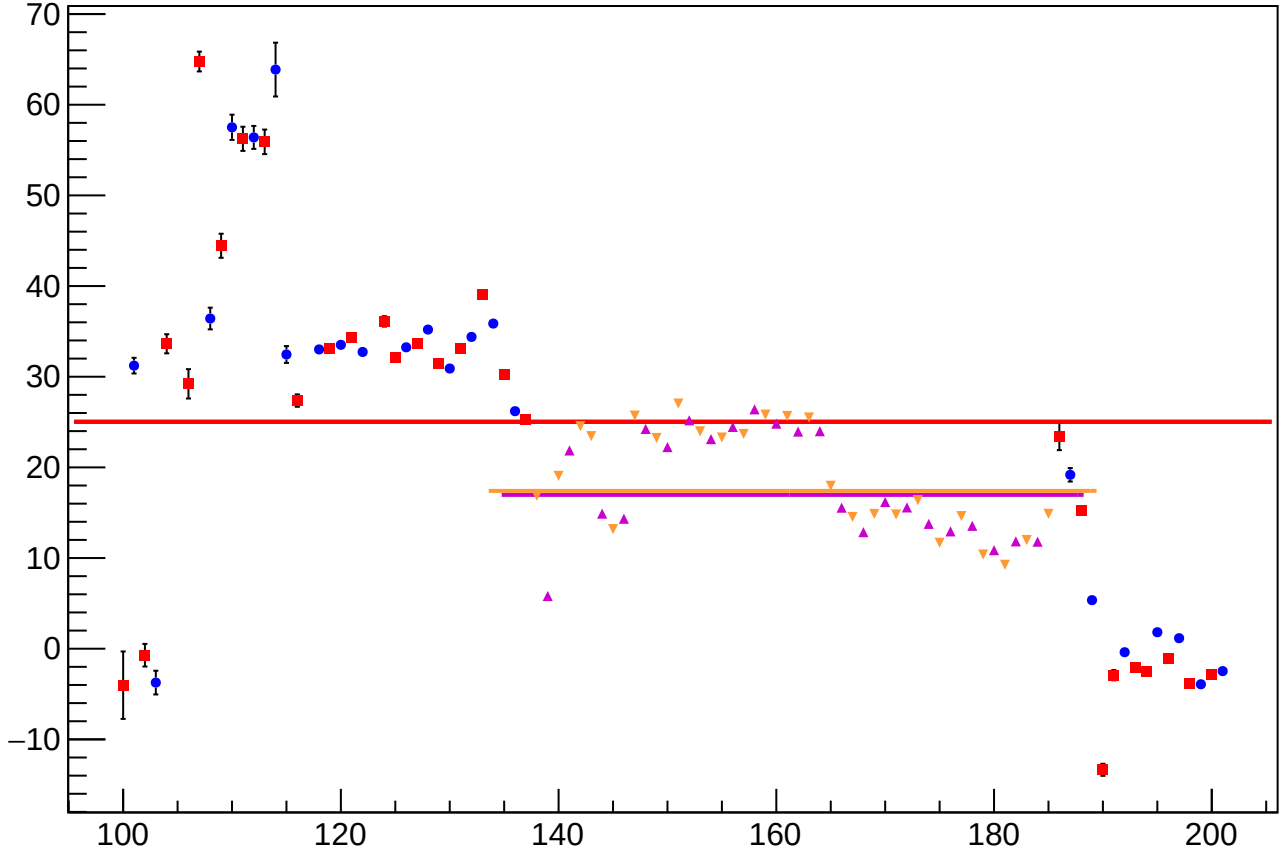
Right Out: -5.290+/-0.055 χ^2/NDF: 10479.9/27

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.986+/-0.025 χ^2/NDF: 24196.5/47

All: -5.094+/-0.018 χ^2/NDF: 48679.3/98

- sign -5.201+/-0.025 χ^2/NDF: 24446.9/50



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: 25.024+/-0.069 χ^2/NDF: 50462.9/27

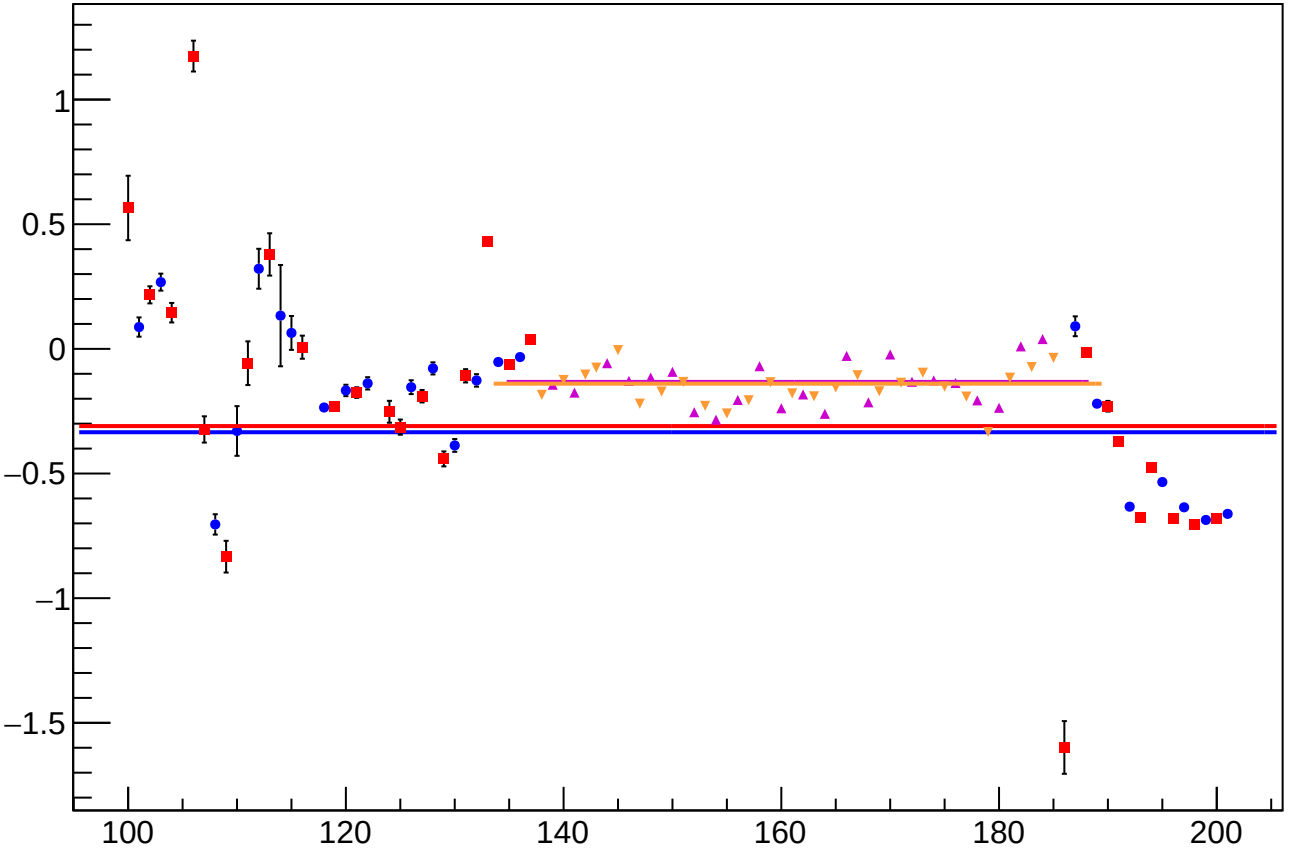
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 18.207+/-0.023 χ^2/NDF: 97839.9/47

All: 18.053+/-0.016 χ^2/NDF: 200271.4/98

- sign 17.894+/-0.024 χ^2/NDF: 102341.4/50

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: -0.310+/-0.003 χ^2/NDF: 10630.0/27

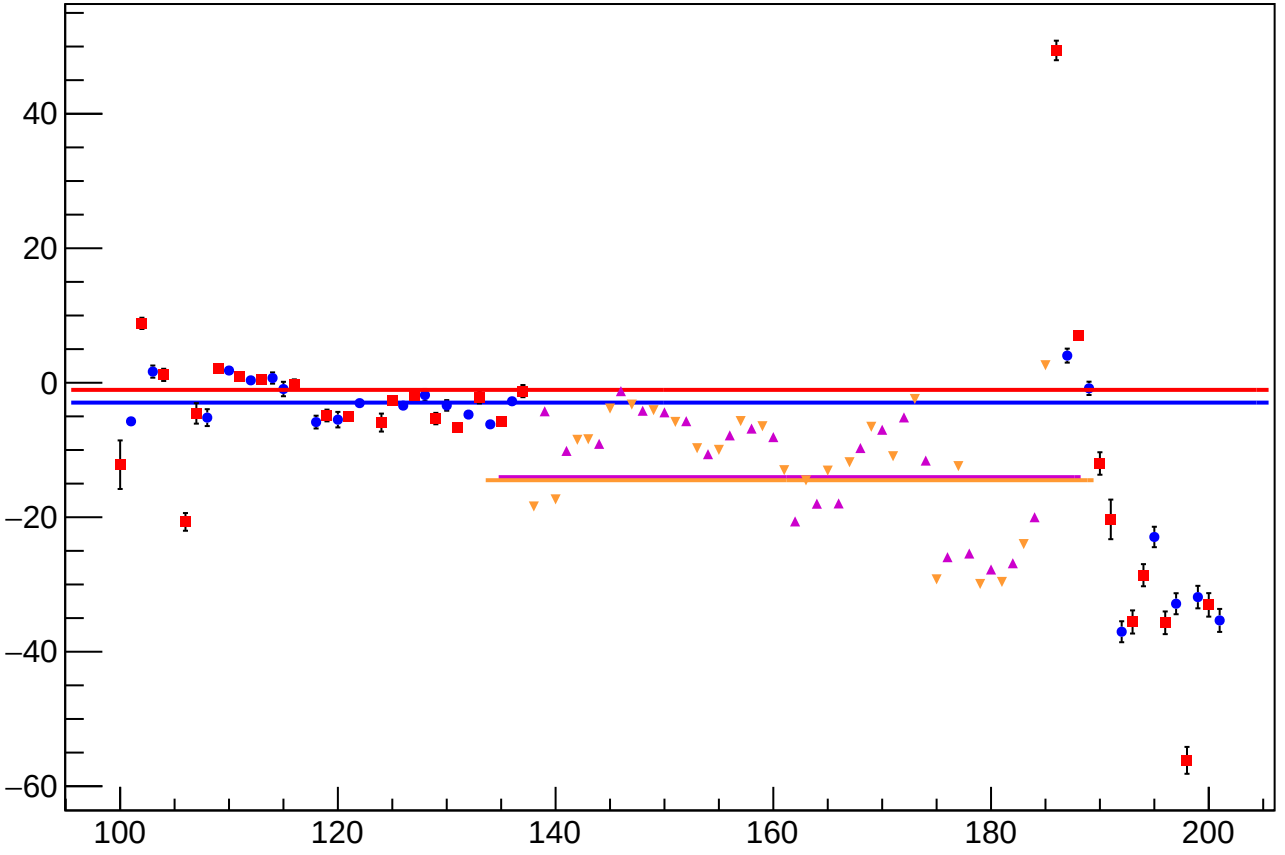
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.158+/-0.001 χ^2/NDF: 14228.1/47

All: -0.154+/-0.001 χ^2/NDF: 33004.4/98

- sign -0.150+/-0.001 χ^2/NDF: 18750.4/50

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: -1.060+/-0.139 χ^2/NDF: 4461.4/27

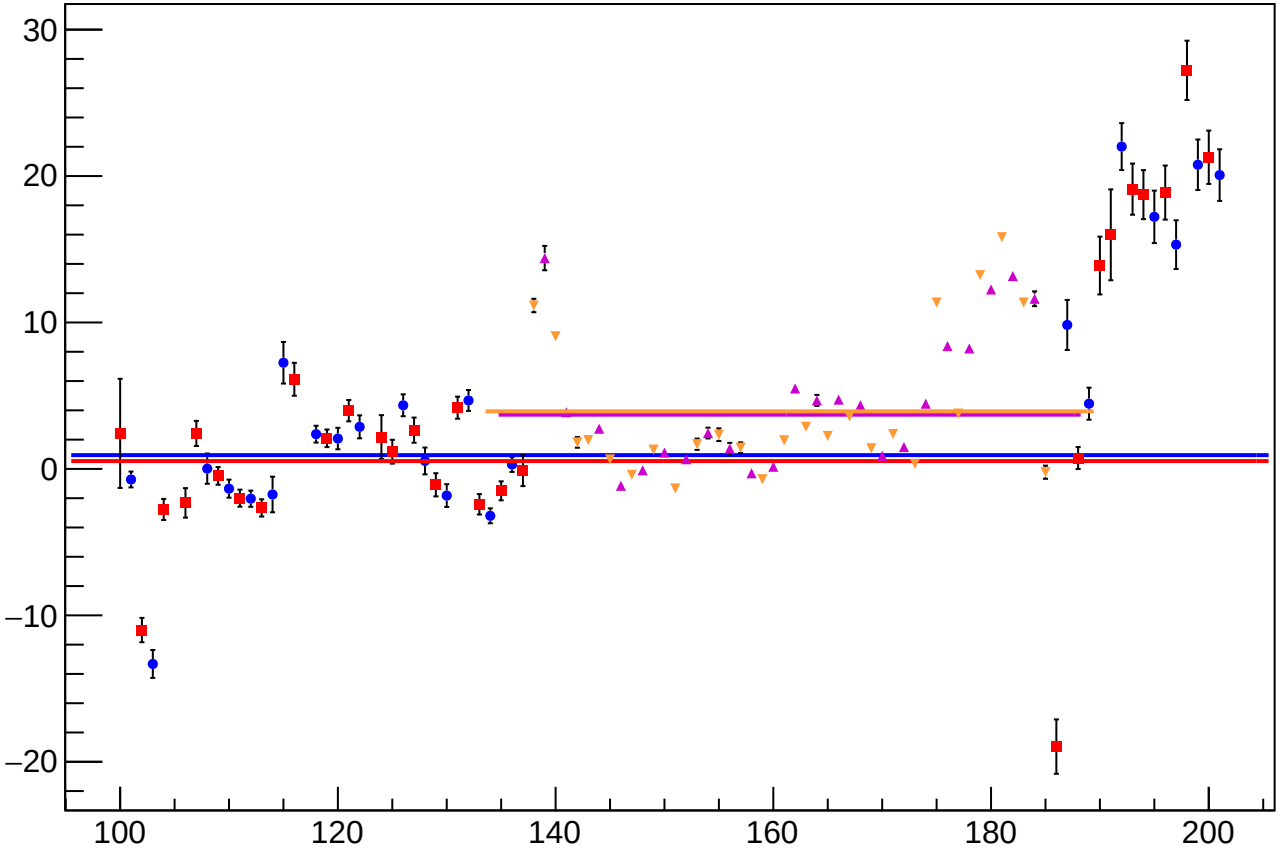
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.199+/-0.067 χ^2/NDF: 24048.9/47

All: -11.607+/-0.047 χ^2/NDF: 48810.9/98

- sign -11.010+/-0.067 χ^2/NDF: 24604.6/50

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: 0.536+/-0.167 χ^2/NDF: 1209.3/27

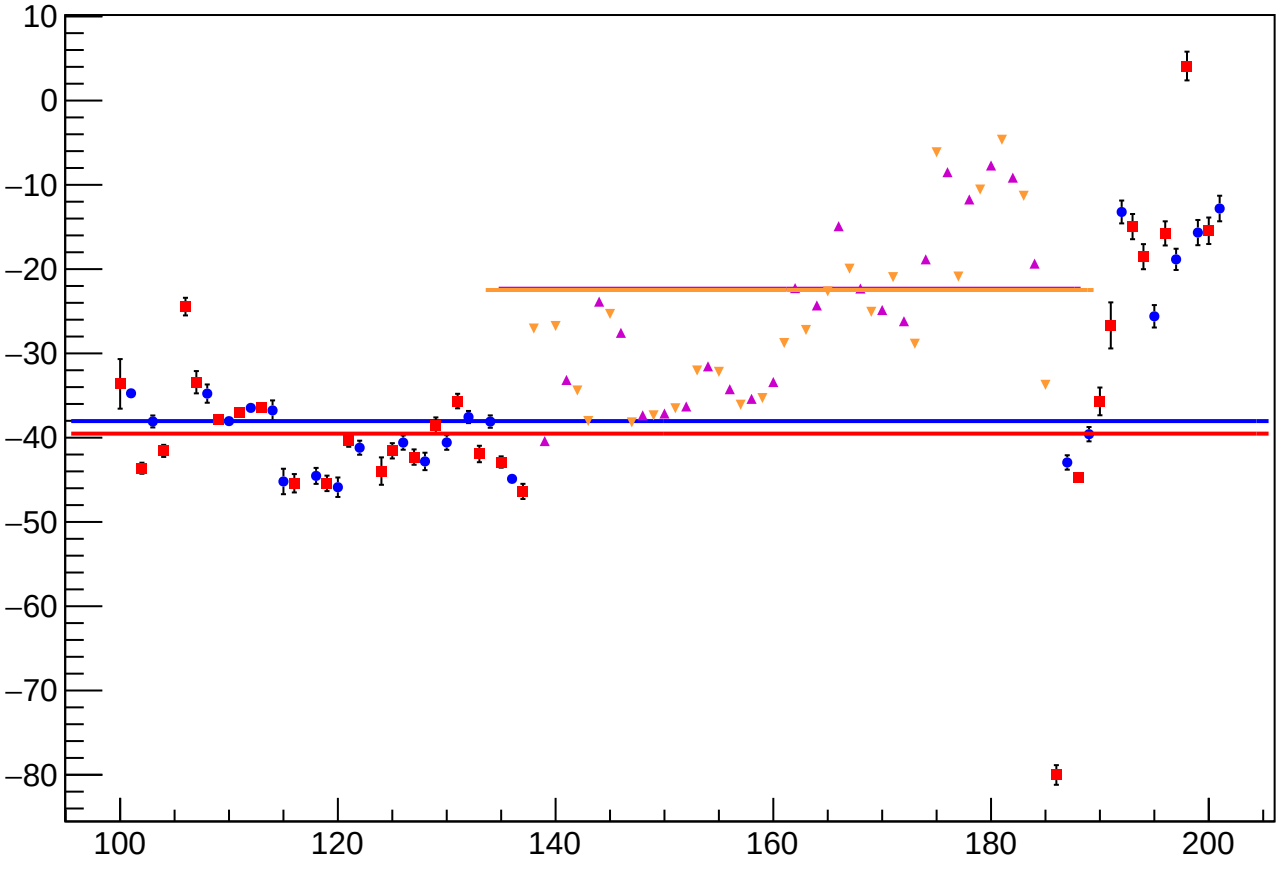
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

\+ sign 3.607+/-0.055 χ^2/NDF: 8330.4/47

All: 3.481+/-0.039 χ^2/NDF: 14658.0/98

\- sign 3.349+/-0.056 χ^2/NDF: 6316.7/50

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: -39.520+/-0.159 χ^2/NDF: 3571.0/27

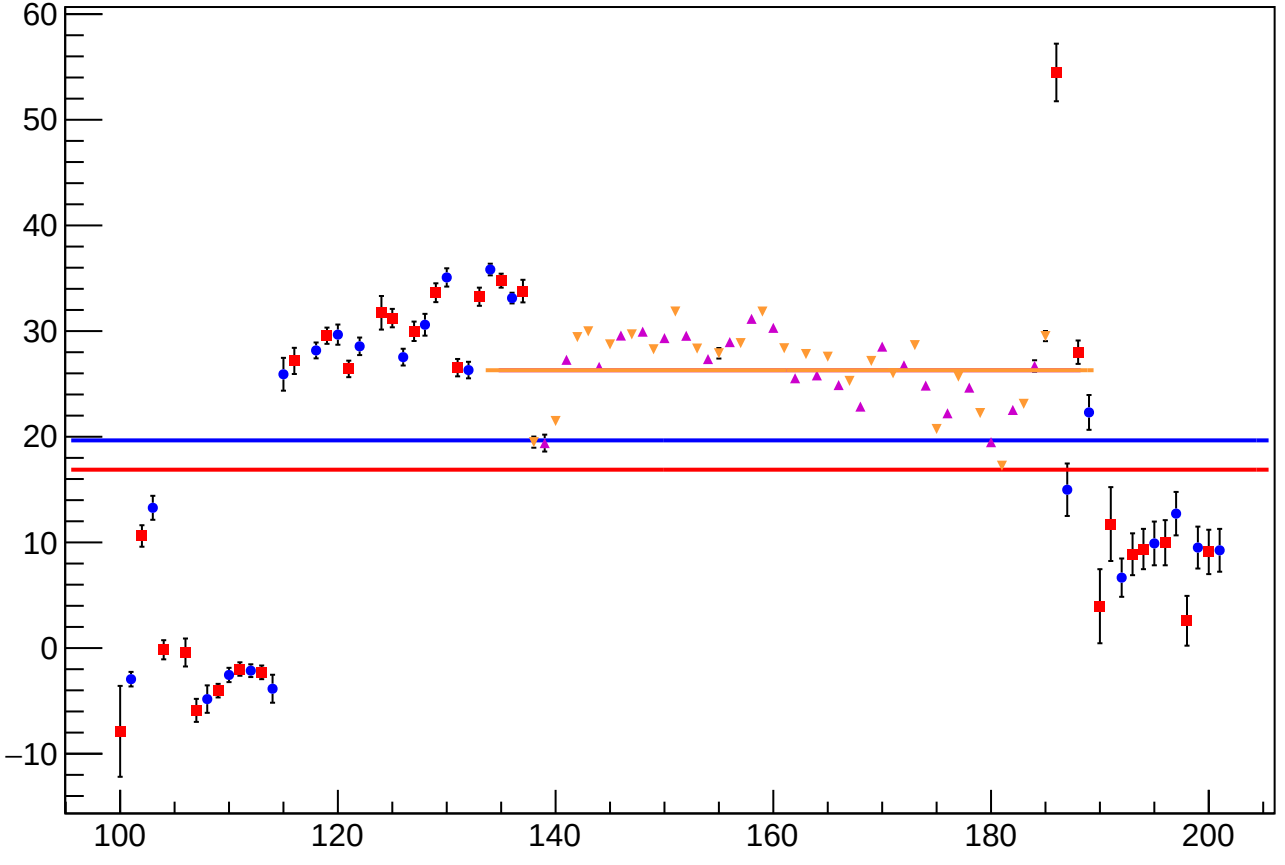
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

\+ sign -25.094+/-0.068 χ^2/NDF: 29357.3/47

All: -25.317+/-0.049 χ^2/NDF: 59538.6/98

\- sign -25.546+/-0.069 χ^2/NDF: 30159.7/50

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: 16.883+/-0.191 χ^2/NDF: 7139.2/27

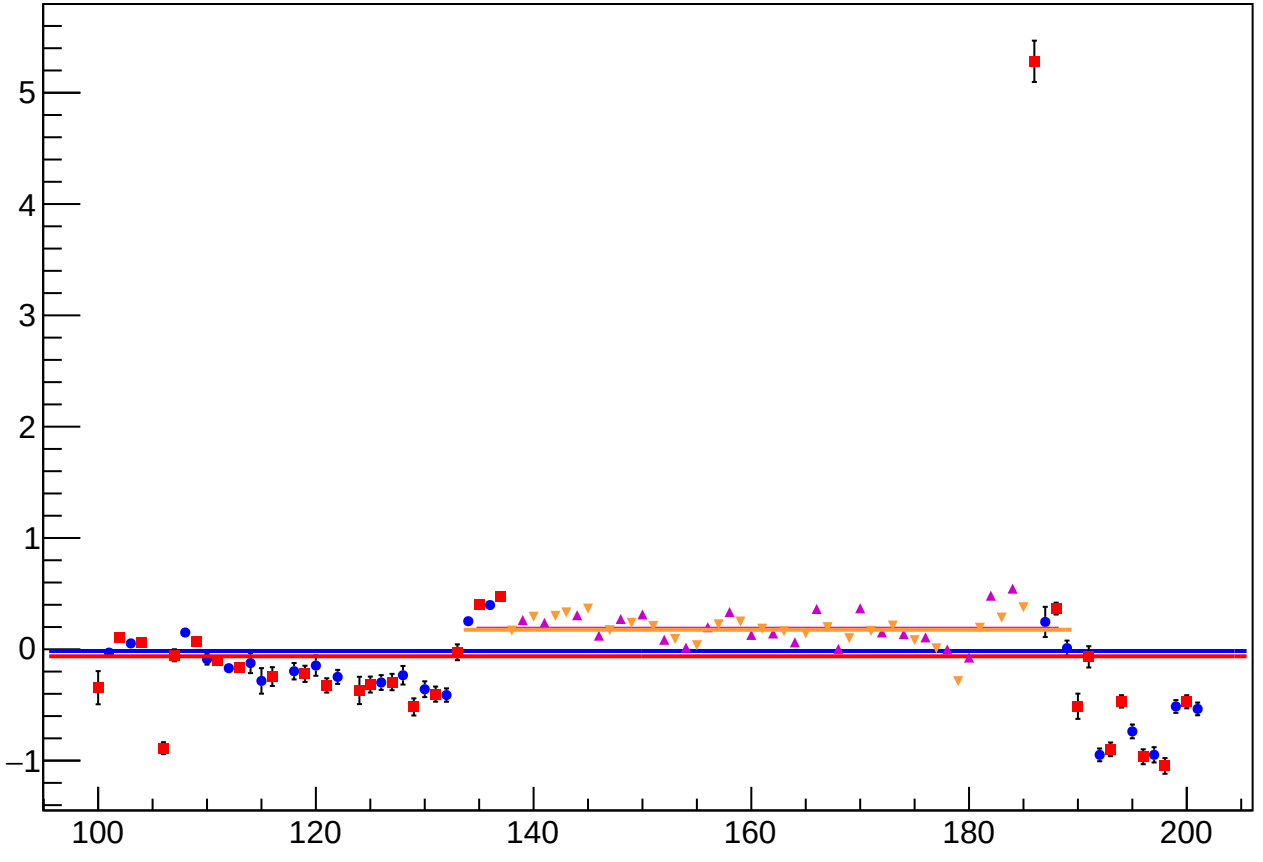
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.588+/-0.062 χ^2/NDF: 11251.8/47

All: 25.434+/-0.044 χ^2/NDF: 22748.3/98

- sign 25.273+/-0.063 χ^2/NDF: 11483.7/50

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: -0.063+/-0.010 χ^2/NDF: 2452.9/27

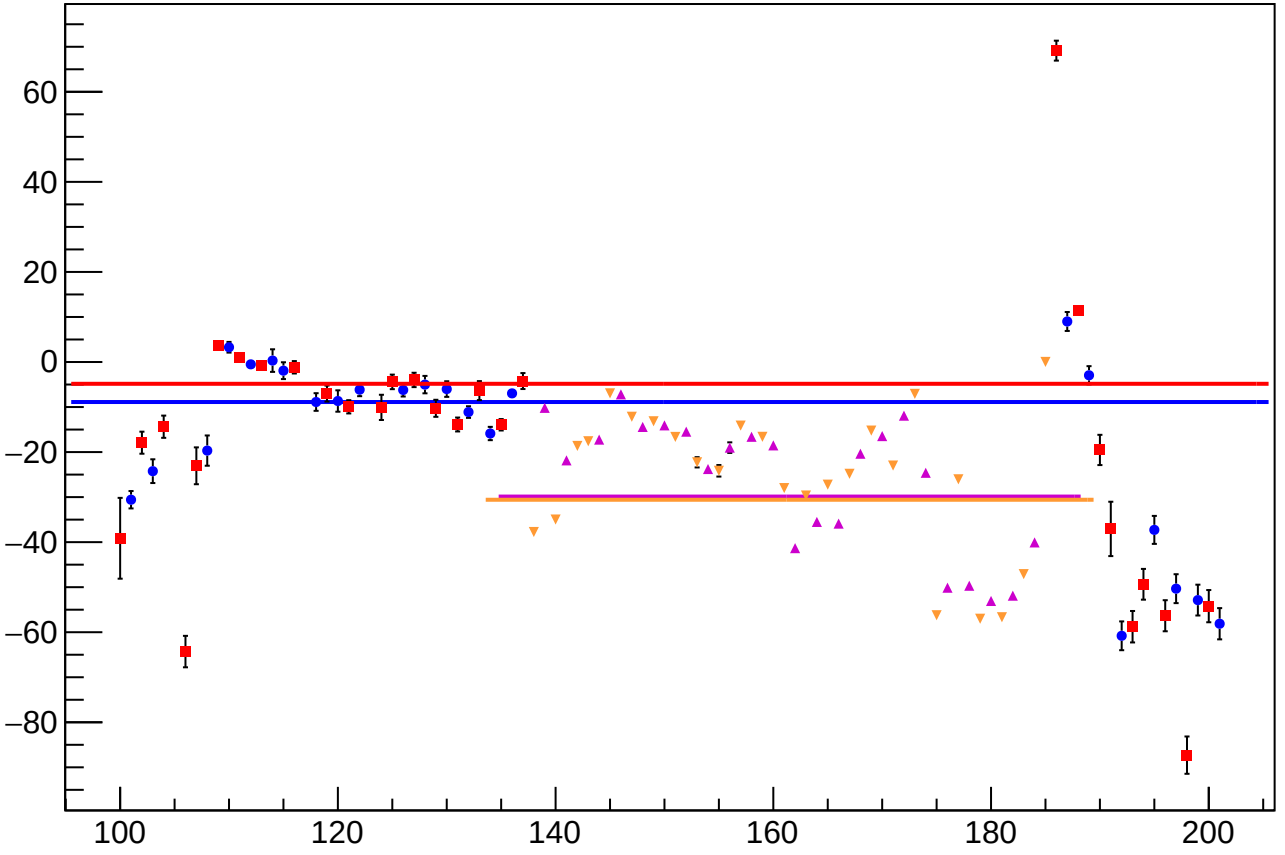
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.159+/-0.003 χ^2/NDF: 3709.2/47

All: 0.162+/-0.002 χ^2/NDF: 9272.4/98

- sign 0.165+/-0.003 χ^2/NDF: 5561.5/50

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: -4.838+/-0.336 χ^2/NDF: 3202.6/27

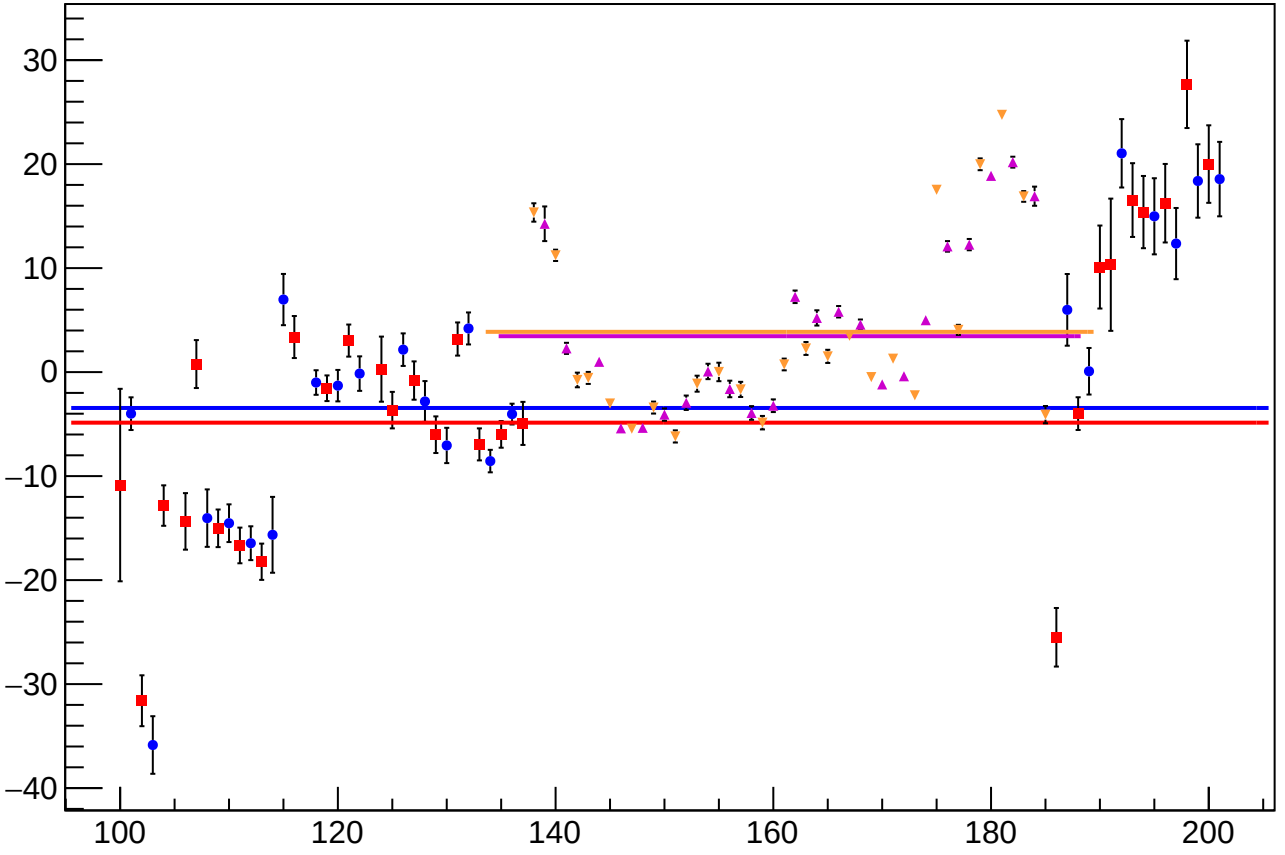
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.560+/-0.132 χ^2/NDF: 20679.0/47

All: -26.739+/-0.094 χ^2/NDF: 40666.0/98

- sign -25.890+/-0.134 χ^2/NDF: 19908.1/50

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: -4.861+/-0.385 χ^2/NDF: 658.9/27

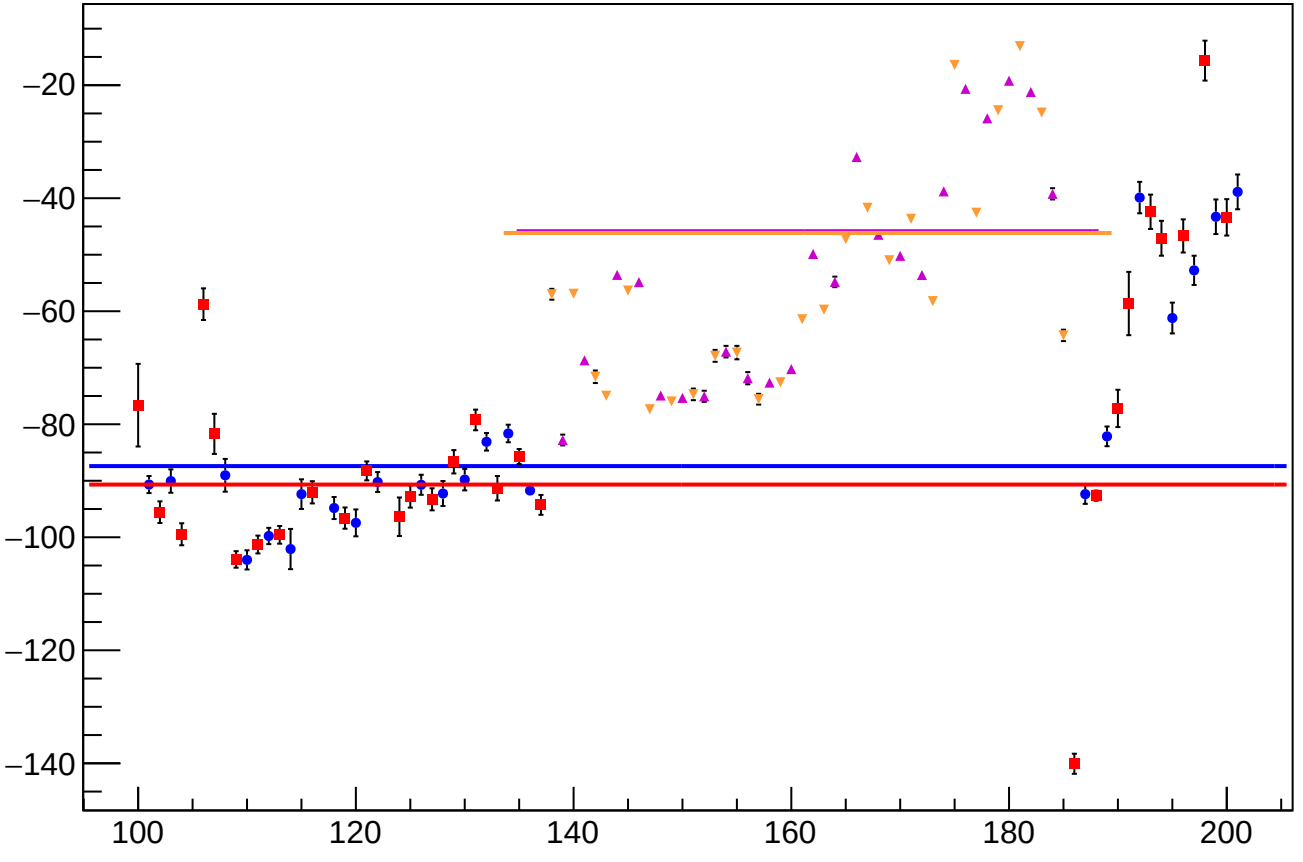
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.283+/-0.107 χ^2/NDF: 7437.0/47

All: 3.040+/-0.076 χ^2/NDF: 13229.0/98

- sign 2.787+/-0.109 χ^2/NDF: 5781.4/50

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: -90.674+/-0.368 χ^2/NDF: 2576.8/27

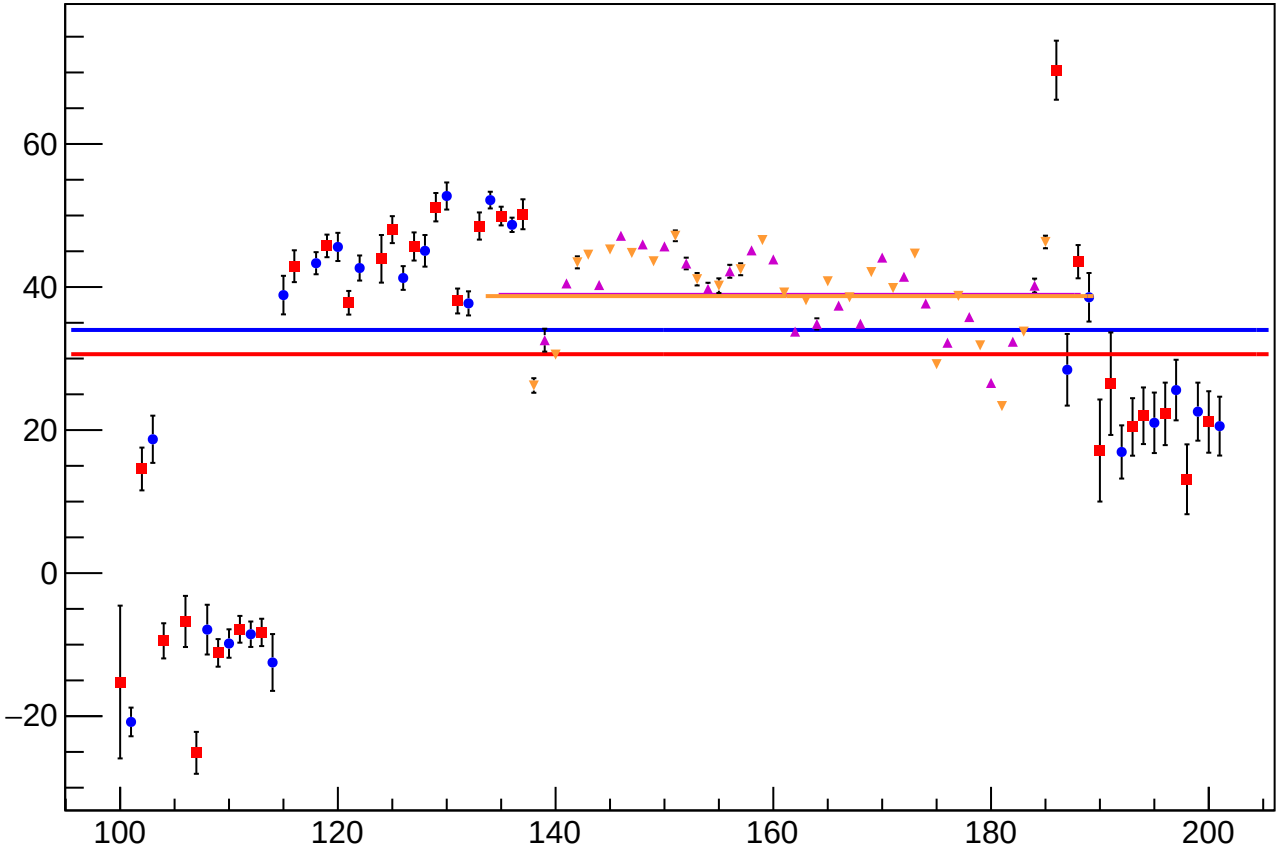
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.185+/-0.133 χ^2/NDF: 33016.6/47

All: -51.547+/-0.095 χ^2/NDF: 66339.2/98

- sign -51.922+/-0.136 χ^2/NDF: 33307.6/50

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: 30.609+/-0.441 χ^2/NDF: 3071.5/27

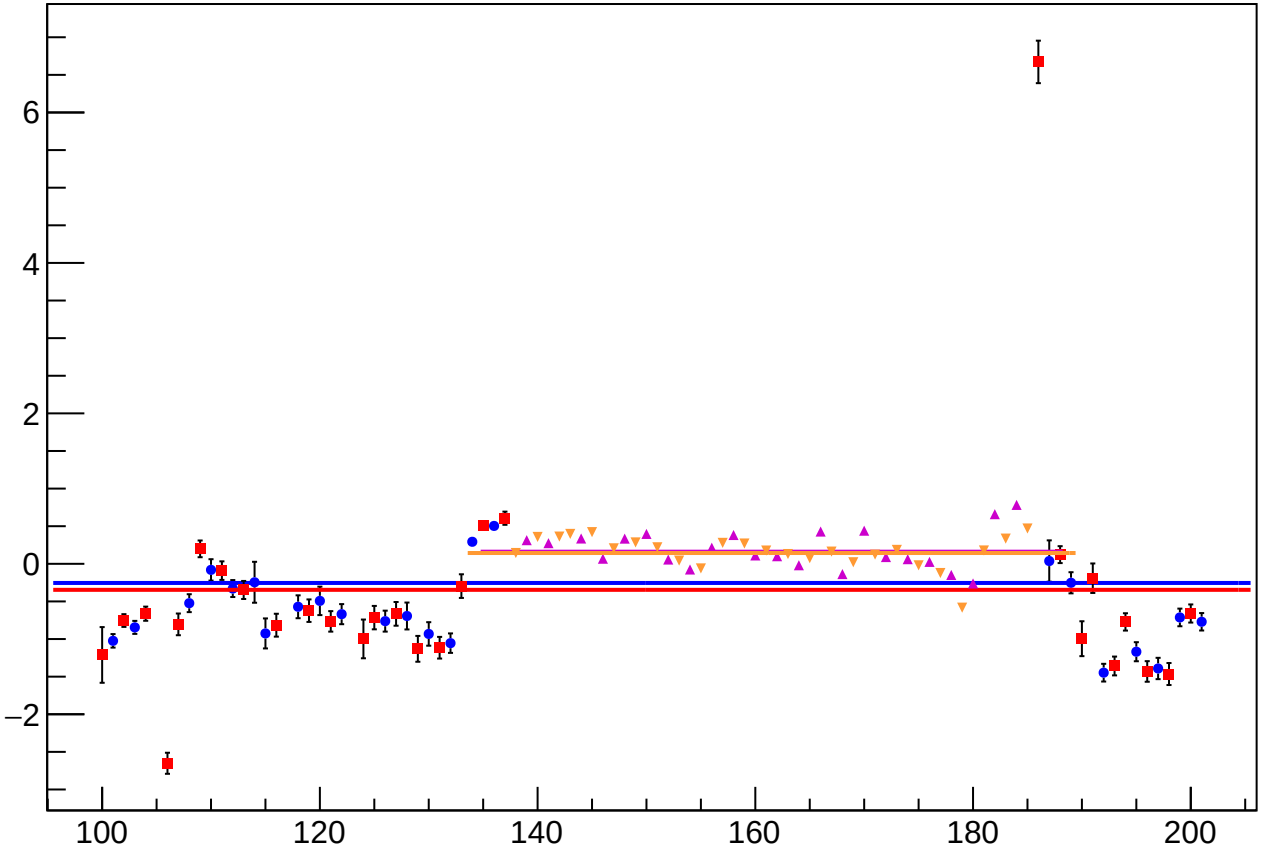
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.355+/-0.120 χ^2/NDF: 5764.1/47

All: 38.311+/-0.086 χ^2/NDF: 11133.9/98

- sign 38.266+/-0.122 χ^2/NDF: 5369.6/50

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

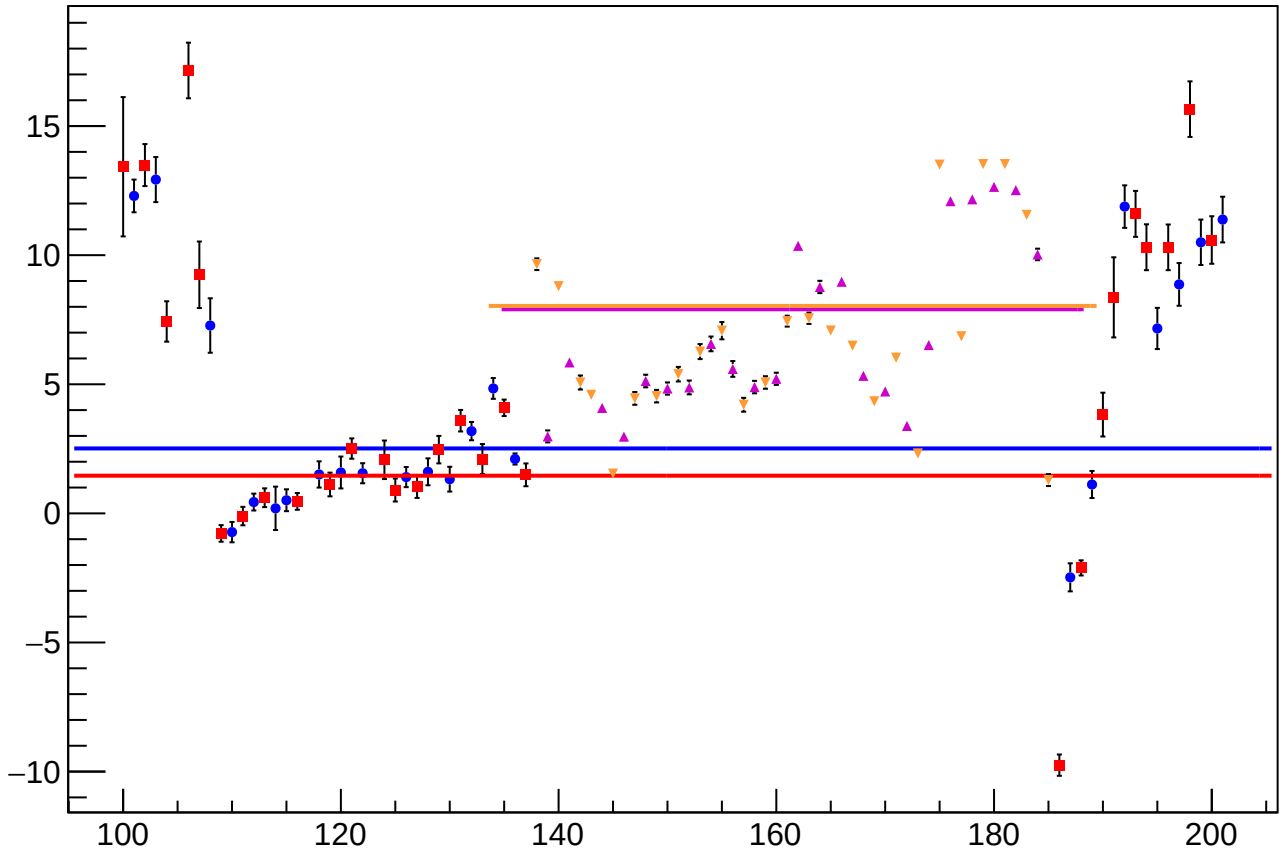
Right Out: -0.346+/-0.023 χ^2/NDF: 1681.6/27

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.119+/-0.005 χ^2/NDF: 2687.1/47

All: 0.125+/-0.004 χ^2/NDF: 6747.8/98

- sign 0.132+/-0.006 χ^2/NDF: 4057.8/50



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: 1.459+/-0.093 χ^2/NDF: 2253.1/27

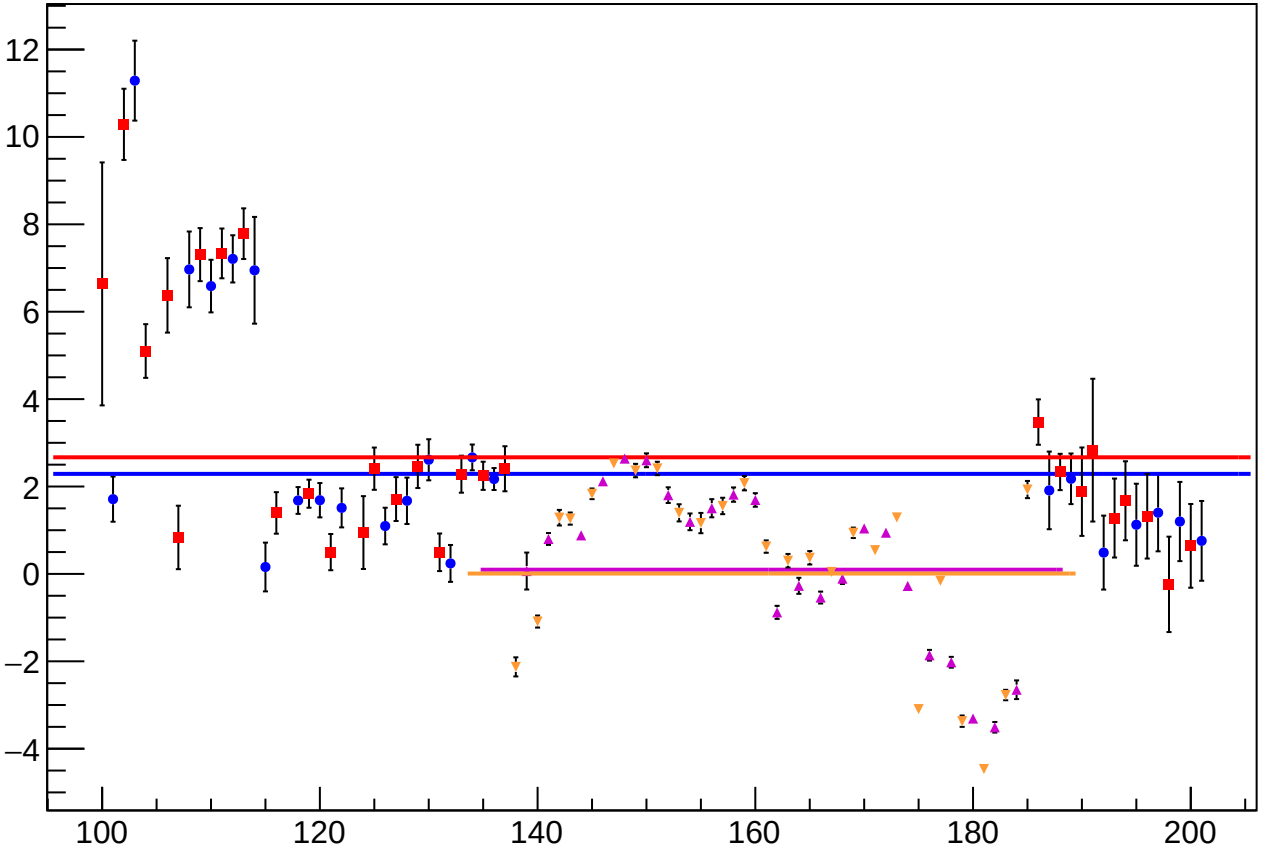
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.414+/-0.033 χ^2/NDF: 17865.4/47

All: 7.248+/-0.023 χ^2/NDF: 34352.5/98

- sign 7.075+/-0.033 χ^2/NDF: 16434.3/50

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



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: 2.668+/-0.105 χ^2/NDF: 432.7/27

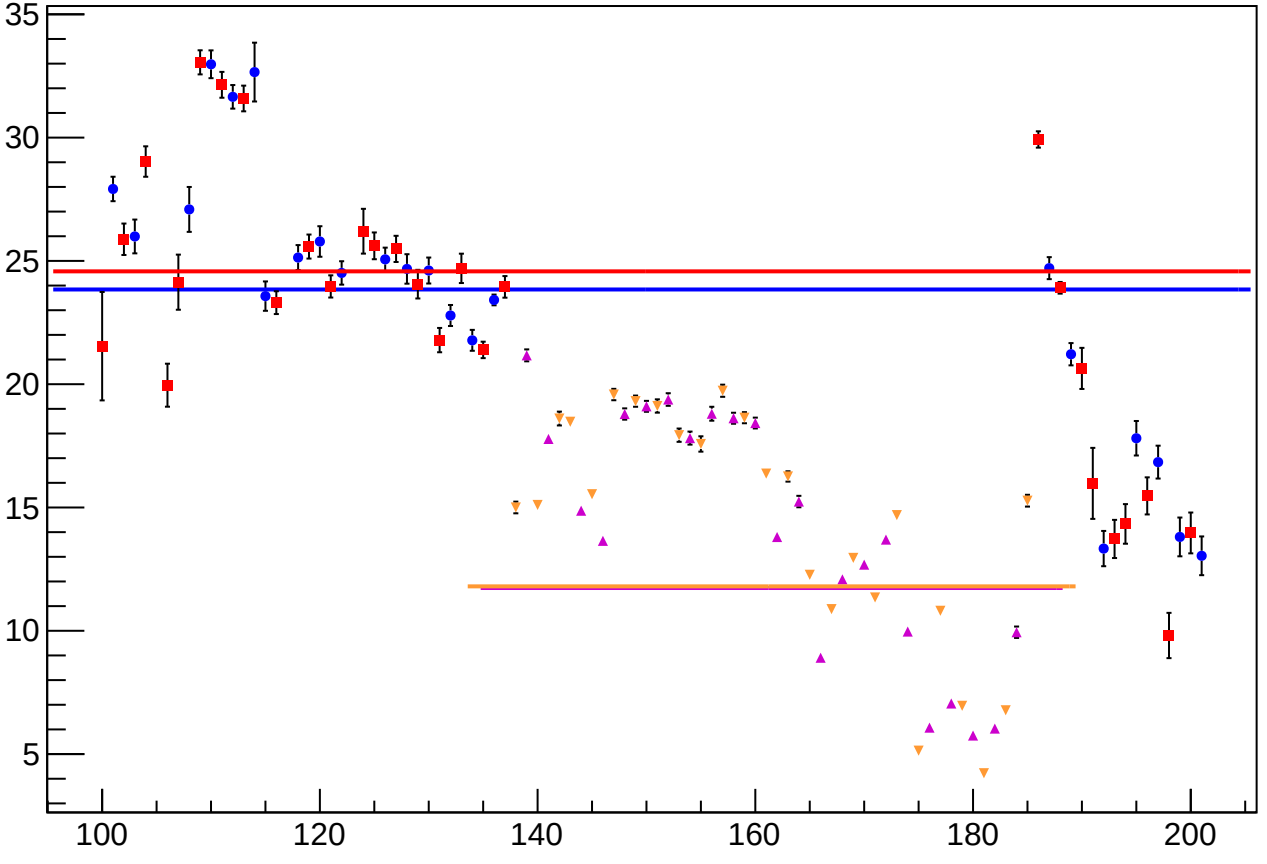
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.162+/-0.027 χ^2/NDF: 6571.7/47

All: 0.214+/-0.019 χ^2/NDF: 12005.8/98

- sign 0.268+/-0.027 χ^2/NDF: 5426.3/50

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

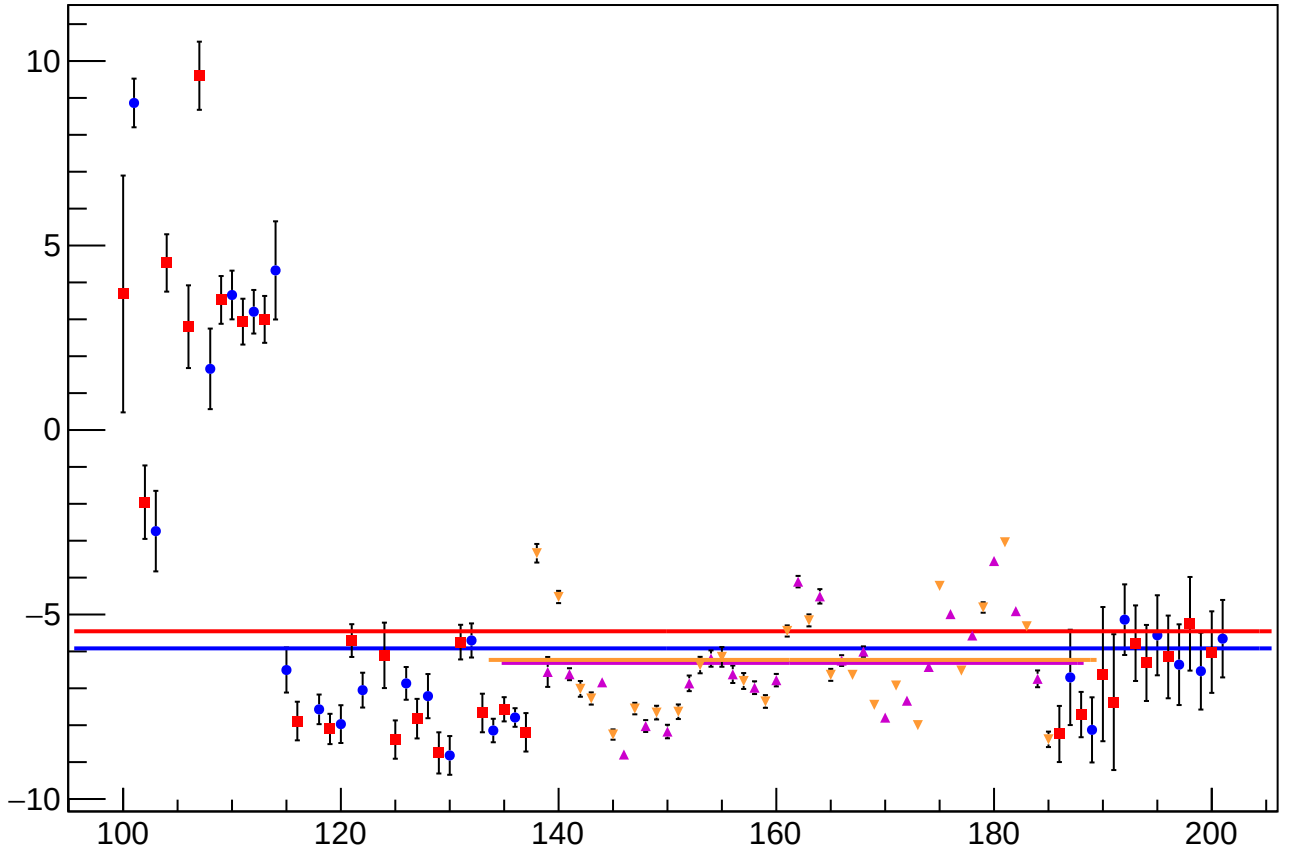
Right Out: 24.576+/-0.099 χ^2/NDF: 2181.4/27

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.009+/-0.033 χ^2/NDF: 34977.6/47

All: 13.110+/-0.024 χ^2/NDF: 69993.1/98

- sign 13.214+/-0.034 χ^2/NDF: 34996.6/50



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: -5.454+/-0.121 χ^2/NDF: 1325.0/27

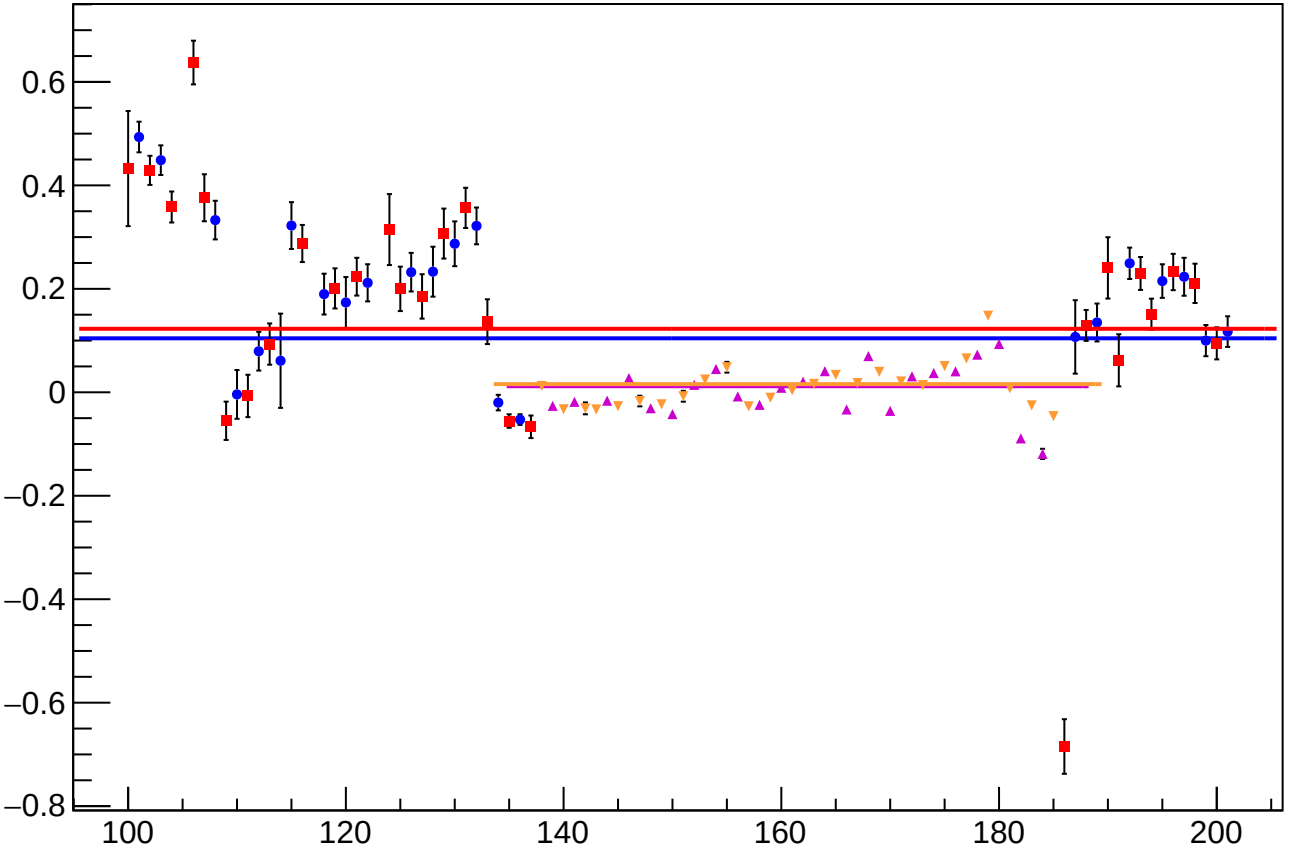
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.210+/-0.030 χ^2/NDF: 3716.4/47

All: -6.233+/-0.021 χ^2/NDF: 7120.1/98

- sign -6.257+/-0.030 χ^2/NDF: 3402.4/50

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.104+/-0.006 χ^2/NDF: 820.4/22

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

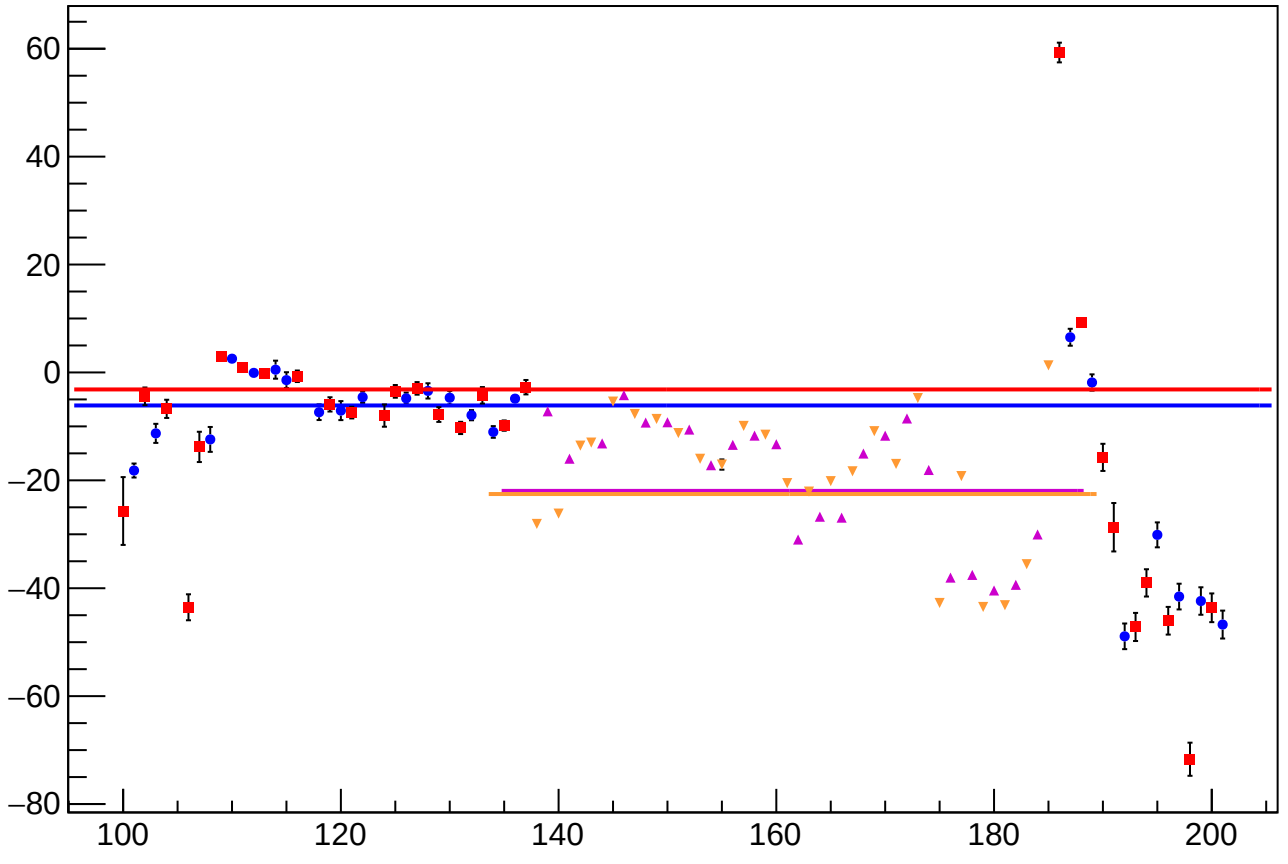
Right Out: 0.123+/-0.006 χ^2/NDF: 1030.1/27

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: 4598.5/98

- sign 0.017+/-0.001 χ^2/NDF: 2626.1/50



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: -3.152+/-0.240 χ^2/NDF: 3533.0/27

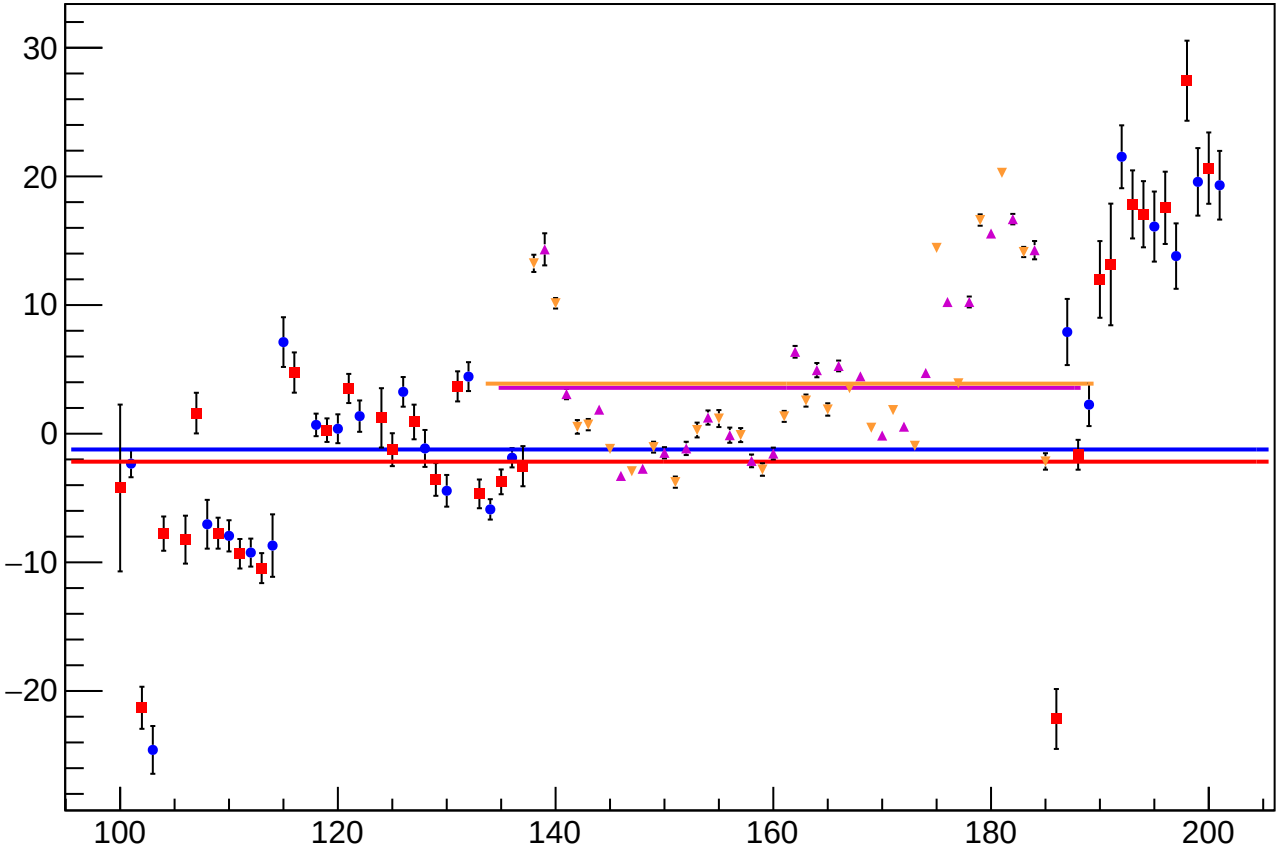
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -20.011+/-0.099 χ^2/NDF: 21634.1/47

All: -19.330+/-0.071 χ^2/NDF: 42909.7/98

- sign -18.630+/-0.101 χ^2/NDF: 21180.5/50

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

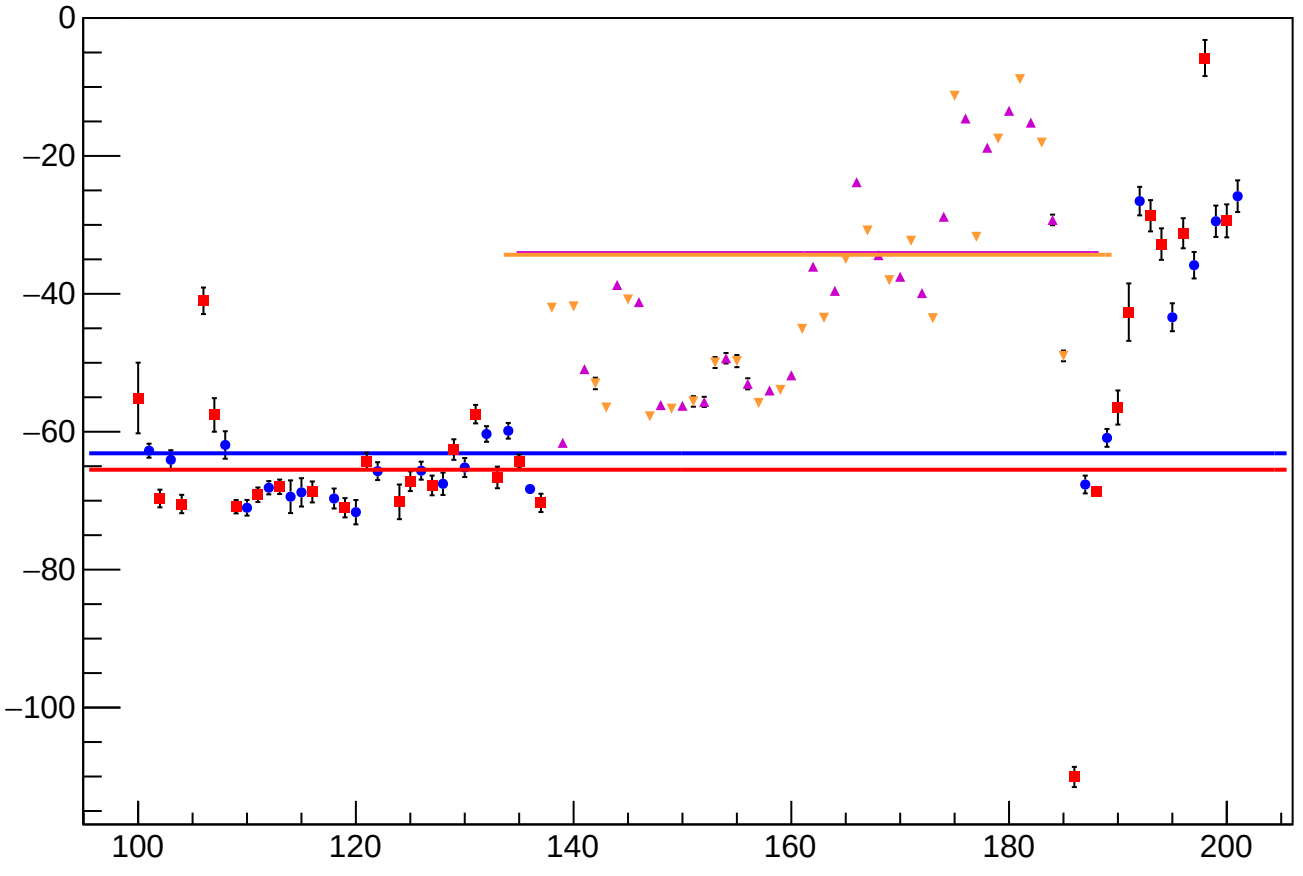
Right Out: -2.174+/-0.278 χ^2/NDF: 803.1/27

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.444+/-0.080 χ^2/NDF: 7723.4/47

All: 3.257+/-0.058 χ^2/NDF: 13665.8/98

- sign 3.062+/-0.082 χ^2/NDF: 5931.4/50



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: -65.508+/-0.266 χ^2/NDF: 2786.9/27

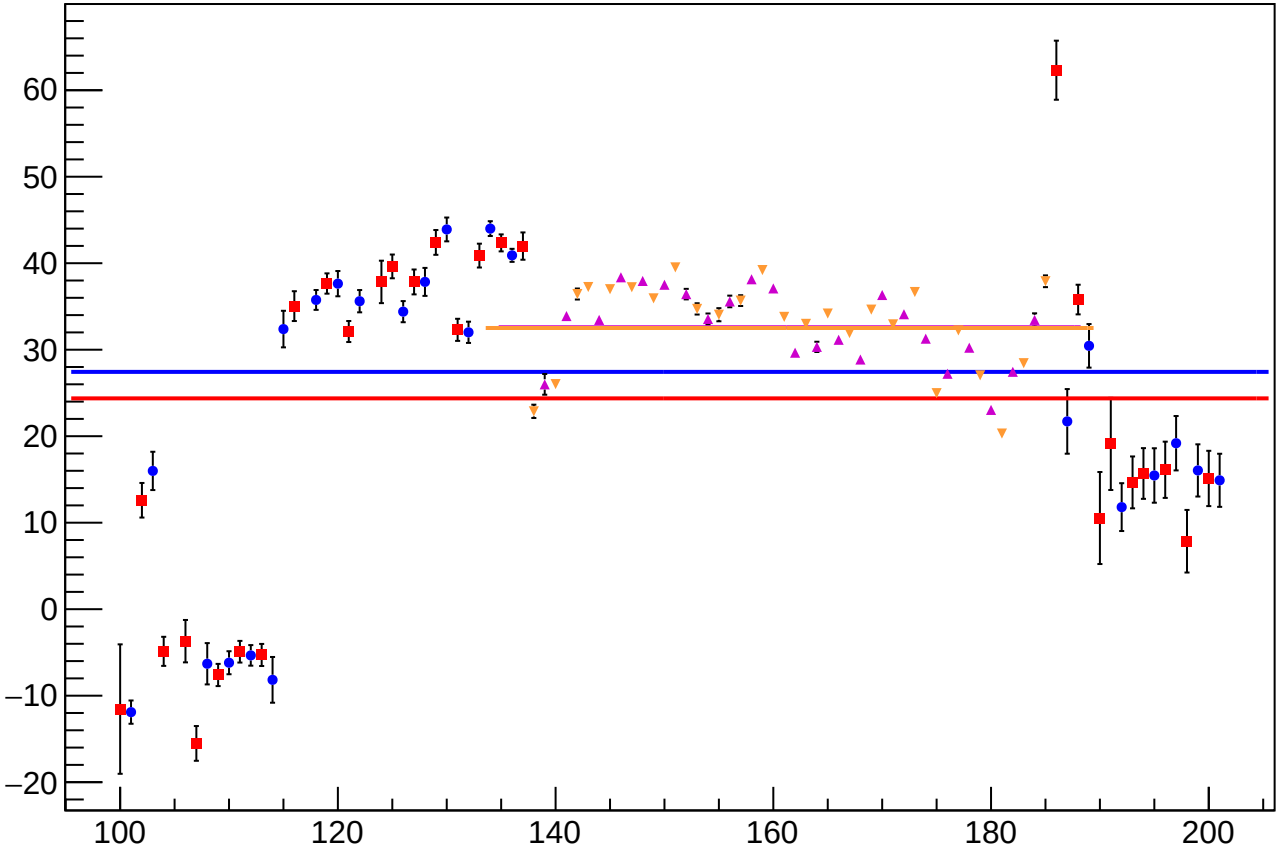
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

\+ sign -38.174+/-0.101 χ^2/NDF: 31968.2/47

All: -38.454+/-0.072 χ^2/NDF: 64371.8/98

\- sign -38.744+/-0.102 χ^2/NDF: 32387.8/50

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: 24.373+/-0.318 χ^2/NDF: 4072.5/27

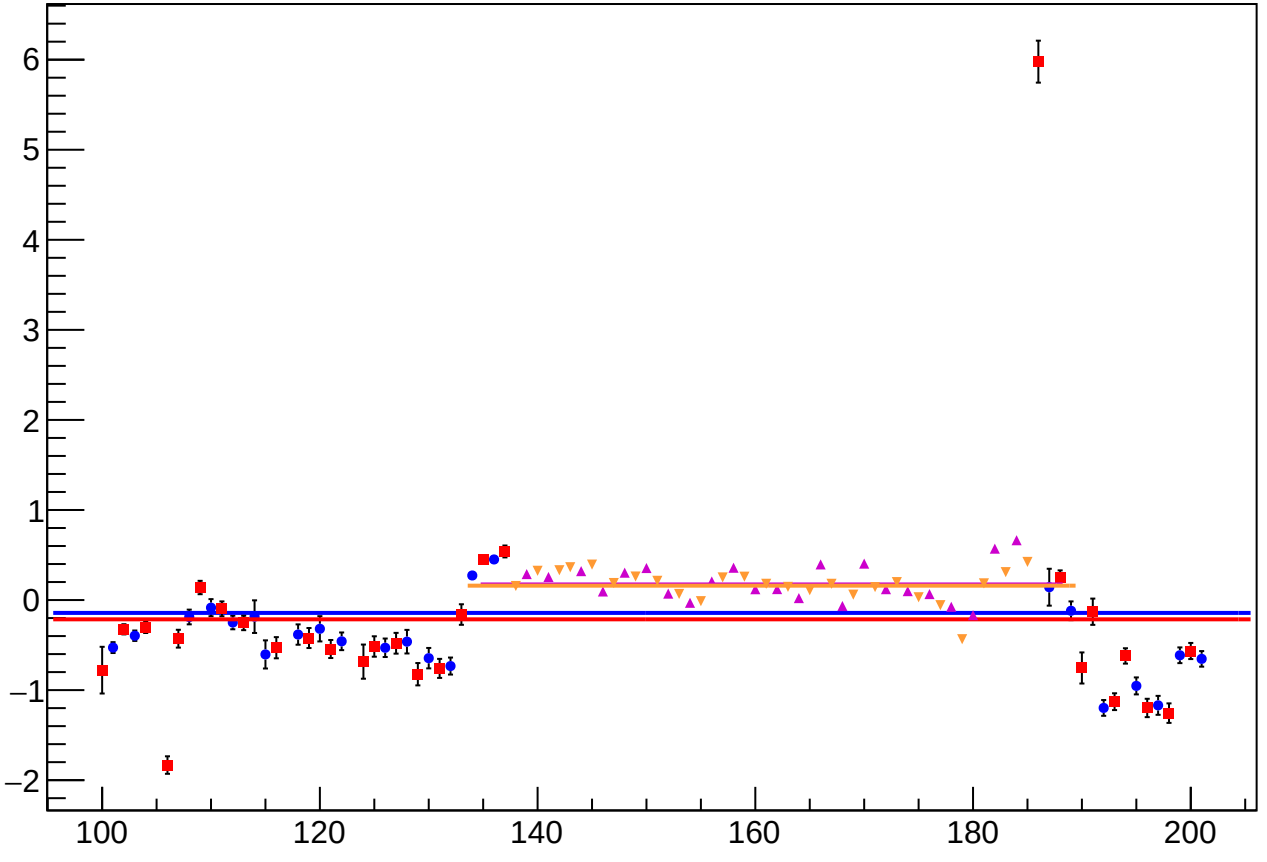
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.074+/-0.090 χ^2/NDF: 7006.4/47

All: 31.990+/-0.065 χ^2/NDF: 13704.9/98

- sign 31.902+/-0.093 χ^2/NDF: 6696.7/50

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



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: -0.214+/-0.017 χ^2/NDF: 1903.4/27

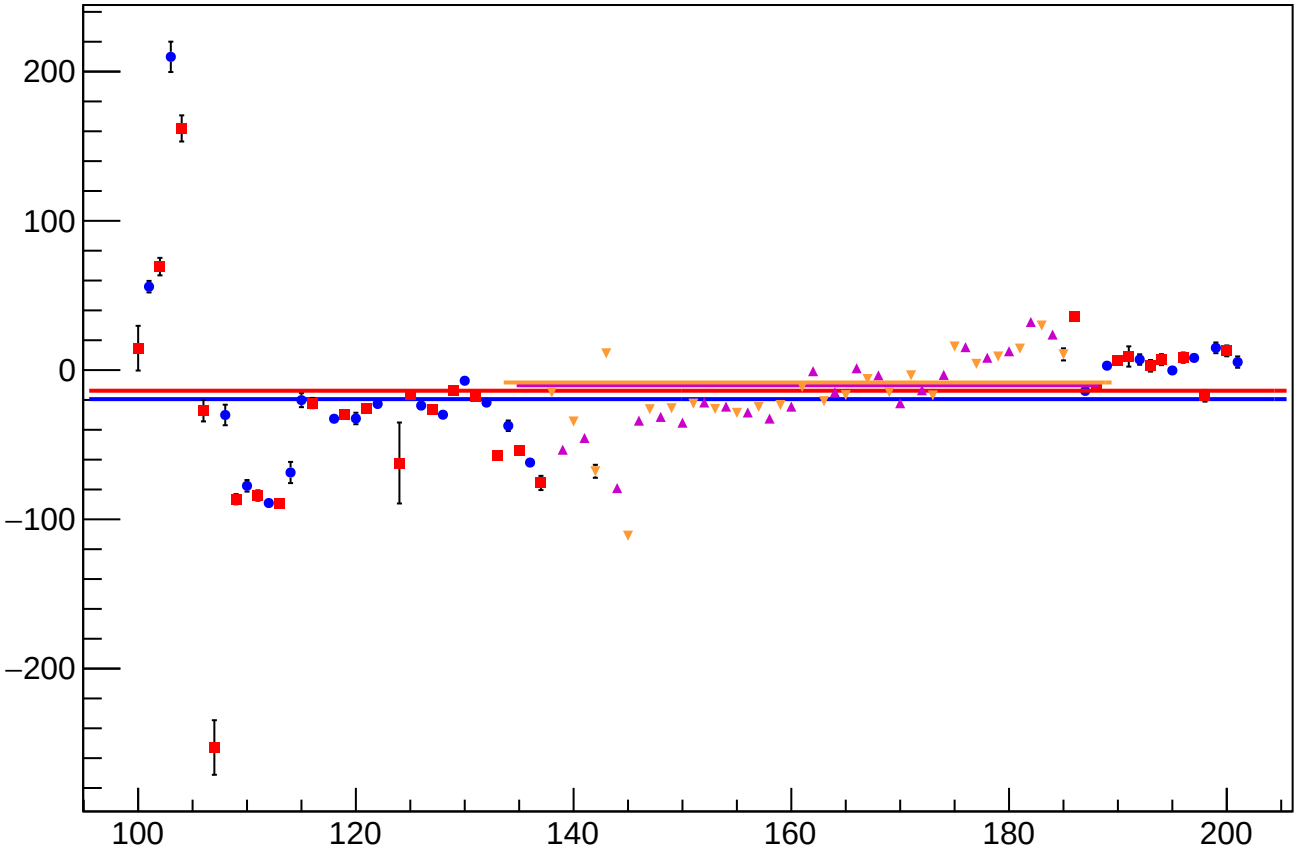
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.139+/-0.004 χ^2/NDF: 2984.6/47

All: 0.144+/-0.003 χ^2/NDF: 7529.6/98

- sign 0.149+/-0.004 χ^2/NDF: 4542.4/50

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: -13.820+/-0.579 χ^2/NDF: 4099.8/27

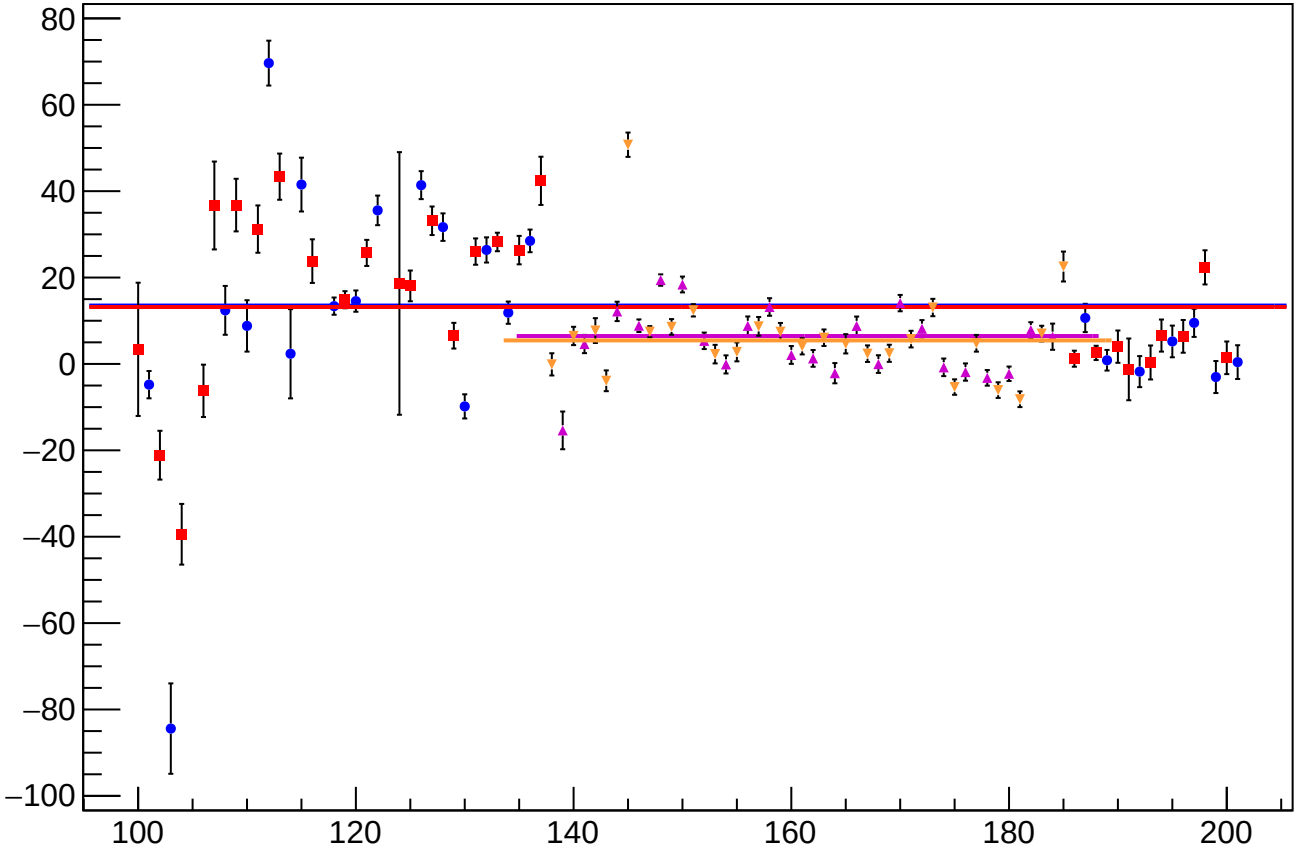
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -12.532+/-0.405 χ^2/NDF: 5272.2/47

All: -12.167+/-0.281 χ^2/NDF: 11913.6/98

- sign -11.829+/-0.389 χ^2/NDF: 6639.8/50

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: 13.179+/-0.644 χ^2/NDF: 467.9/27

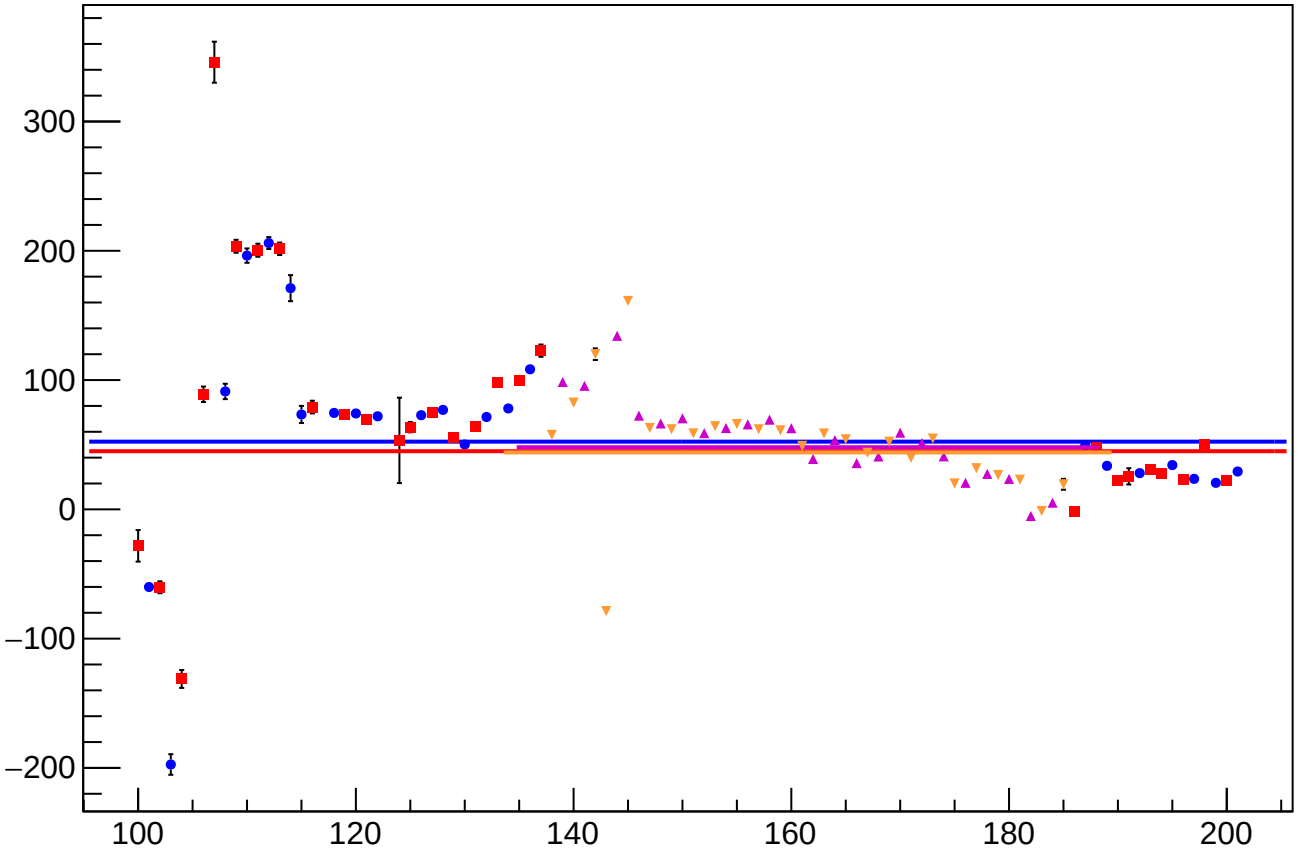
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.450+/-0.342 χ^2/NDF: 1212.9/47

All: 7.914+/-0.243 χ^2/NDF: 2098.3/98

- sign 8.387+/-0.345 χ^2/NDF: 881.6/50

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: 44.984+/-0.539 χ^2/NDF: 7574.4/27

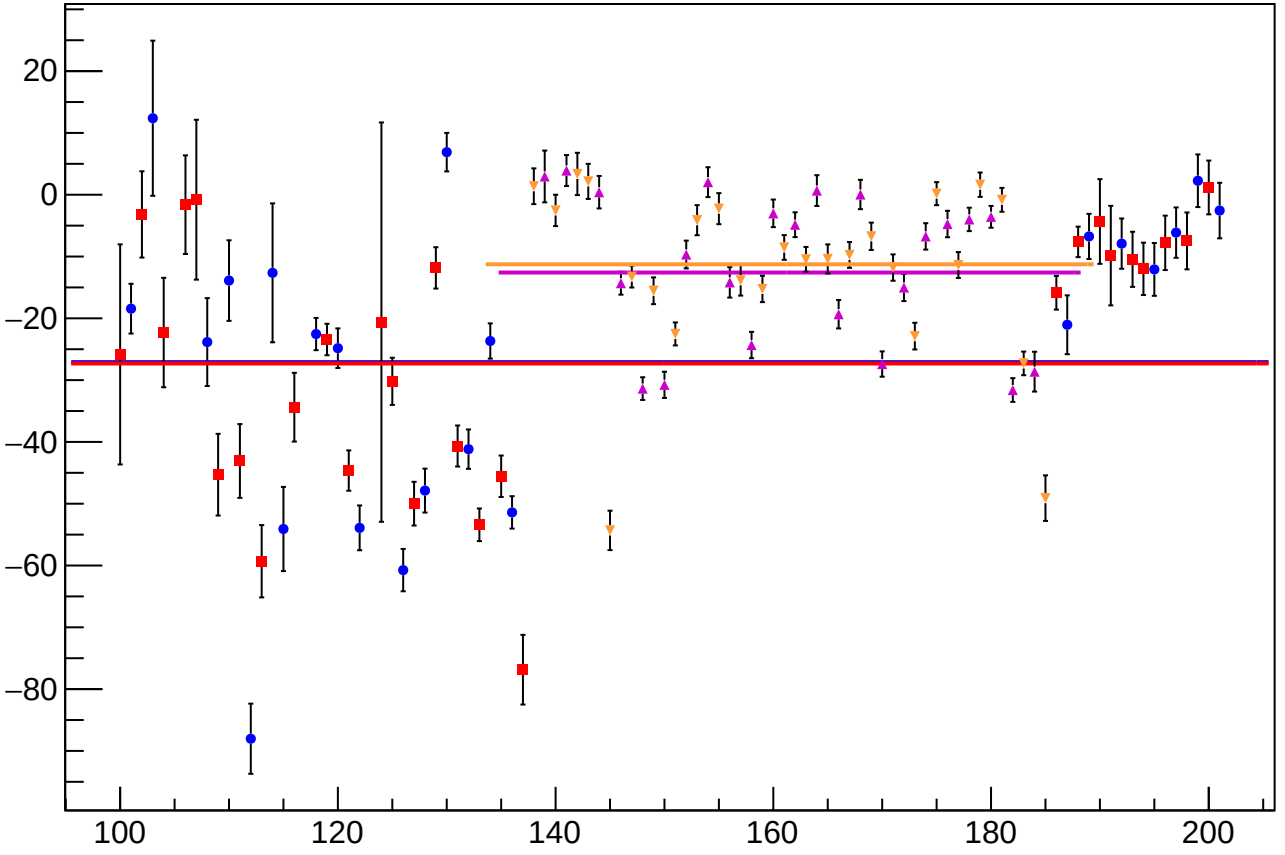
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 47.265+/-0.399 χ^2/NDF: 10411.2/47

All: 46.902+/-0.273 χ^2/NDF: 21380.6/98

- sign 46.583+/-0.375 χ^2/NDF: 10967.9/50

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: -27.306+/-0.789 χ^2/NDF: 592.9/27

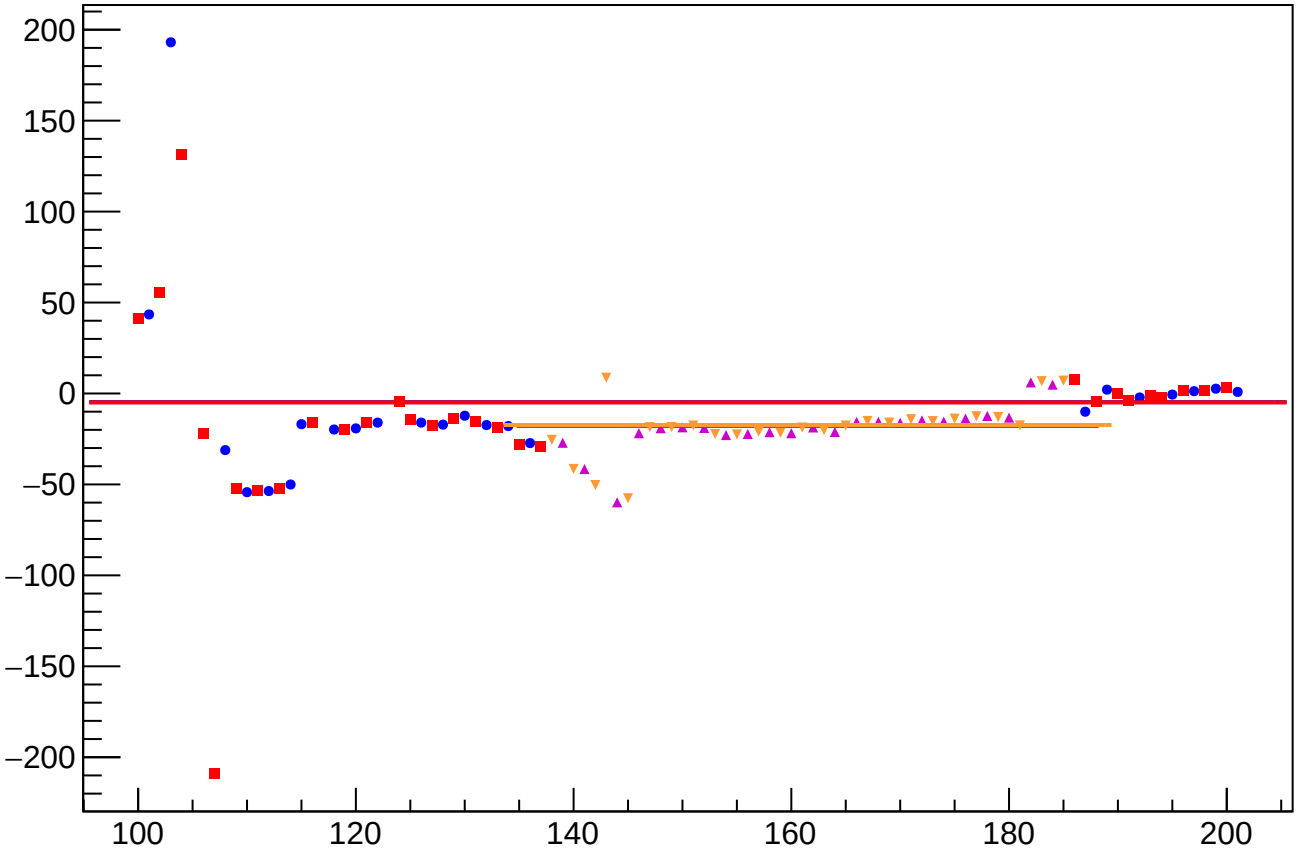
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

\+ sign -14.932+/-0.390 χ^2/NDF: 1674.1/47

All: -15.608+/-0.278 χ^2/NDF: 3204.9/98

\- sign -16.307+/-0.397 χ^2/NDF: 1524.7/50

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: -4.884+/-0.038 χ^2/NDF: 481590.1/27

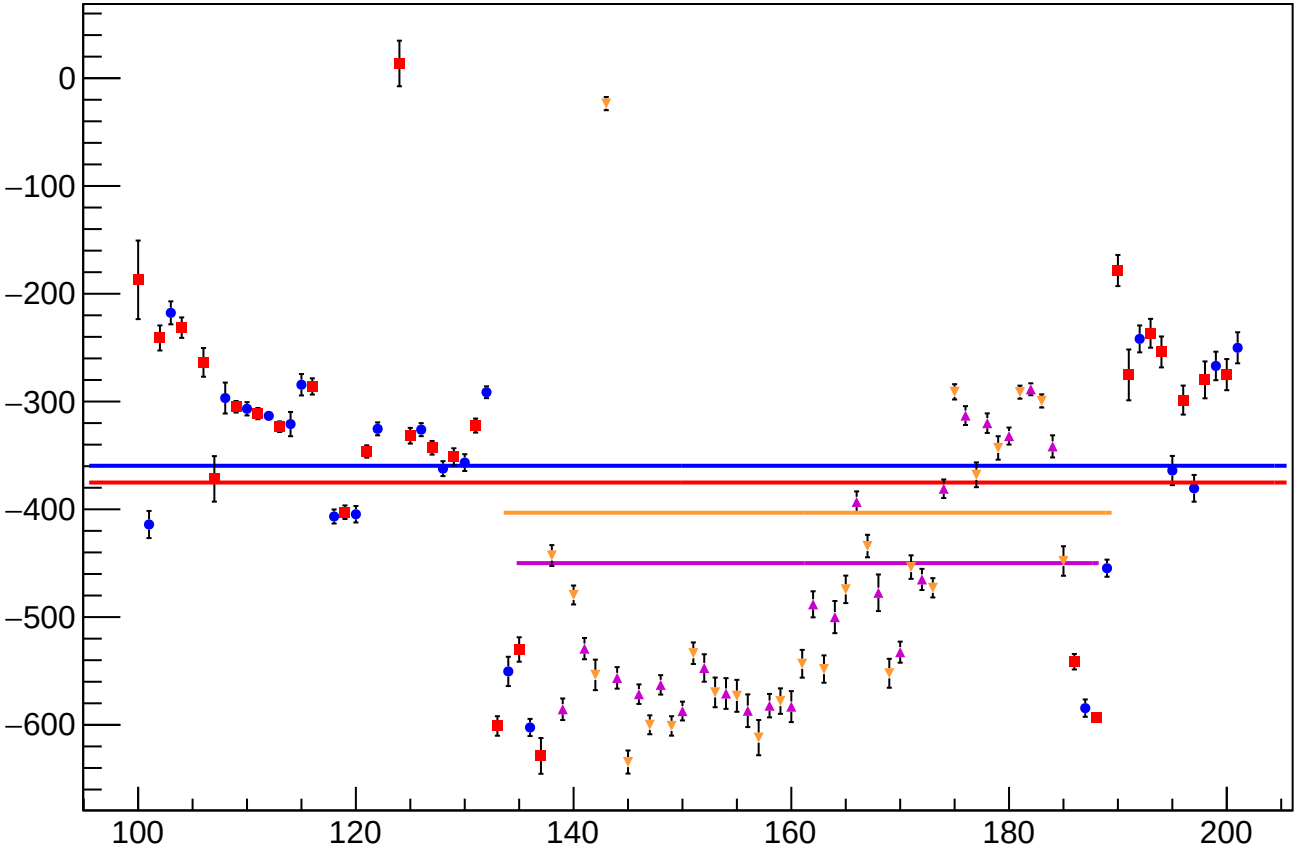
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -14.707+/-0.018 χ^2/NDF: 973658.3/47

All: -14.858+/-0.013 χ^2/NDF: 1811381.7/98

- sign -15.013+/-0.018 χ^2/NDF: 837577.1/50

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: -375.148+/-1.530 χ^2/NDF: 6191.4/27

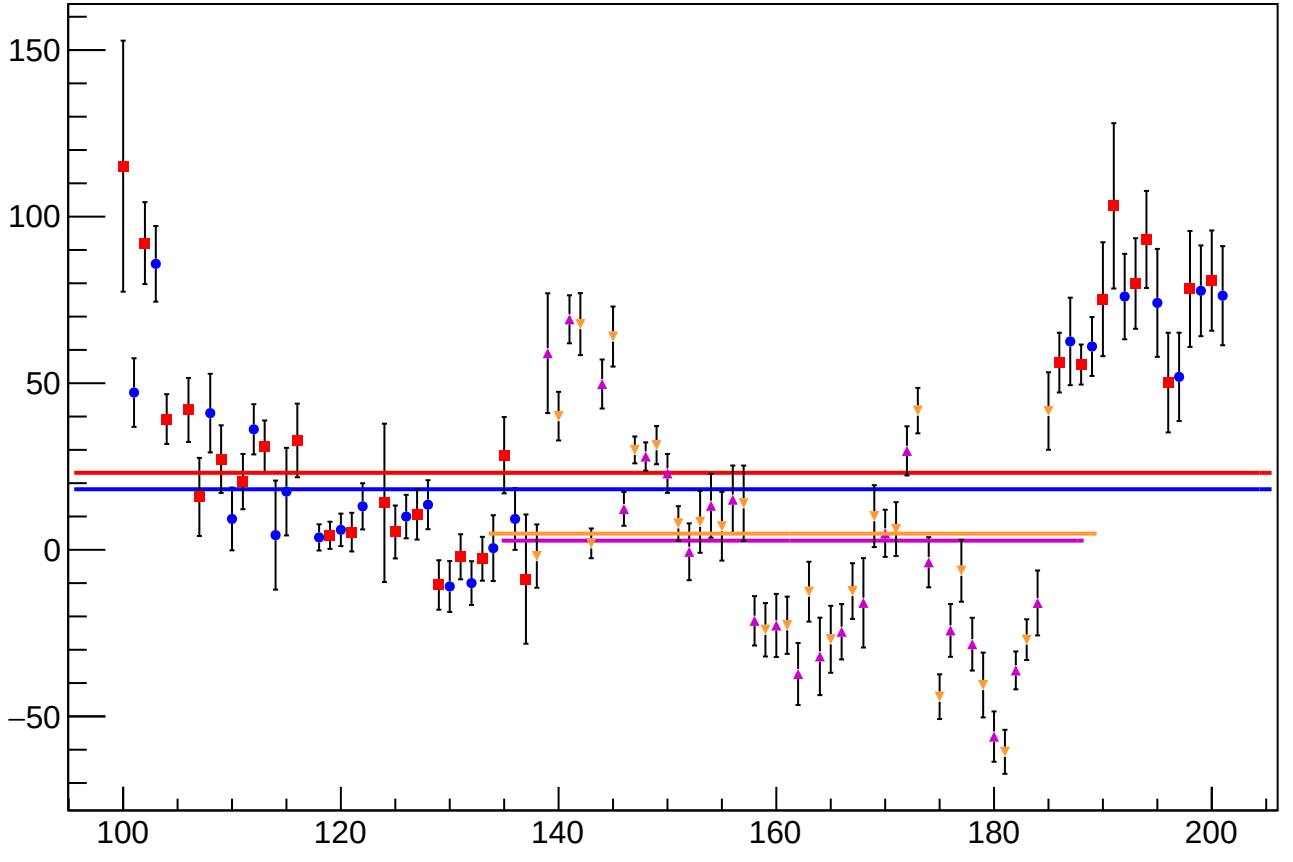
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -378.237+/-1.260 χ^2/NDF: 11057.5/47

All: -390.462+/-0.878 χ^2/NDF: 21508.8/98

- sign -402.004+/-1.225 χ^2/NDF: 10268.4/50

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: 23.108+/-1.671 χ^2/NDF: 270.9/27

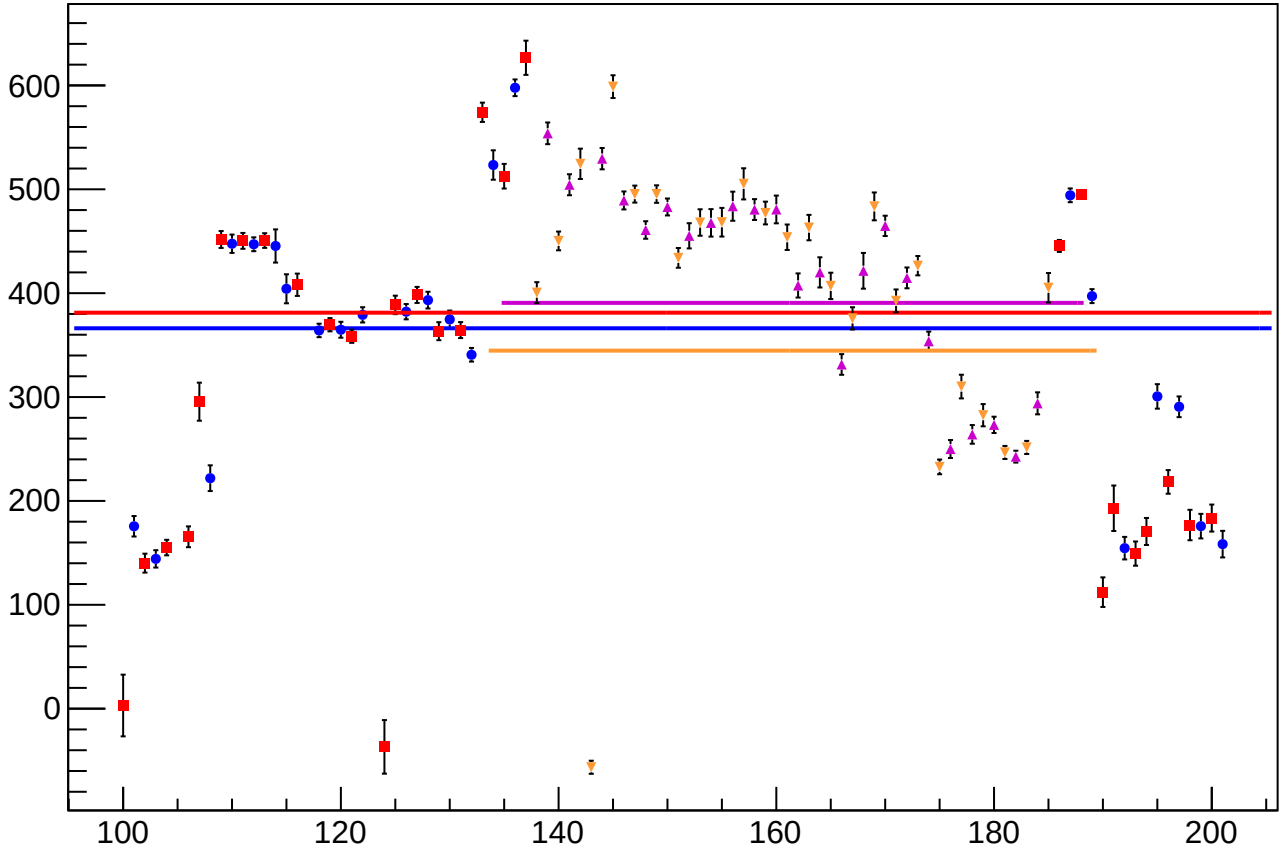
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 10.382+/-1.107 χ^2/NDF: 714.2/47

All: 11.265+/-0.793 χ^2/NDF: 1465.6/98

- sign 12.199+/-1.138 χ^2/NDF: 750.1/50

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: 381.216+/-1.600 χ^2/NDF: 6525.3/27

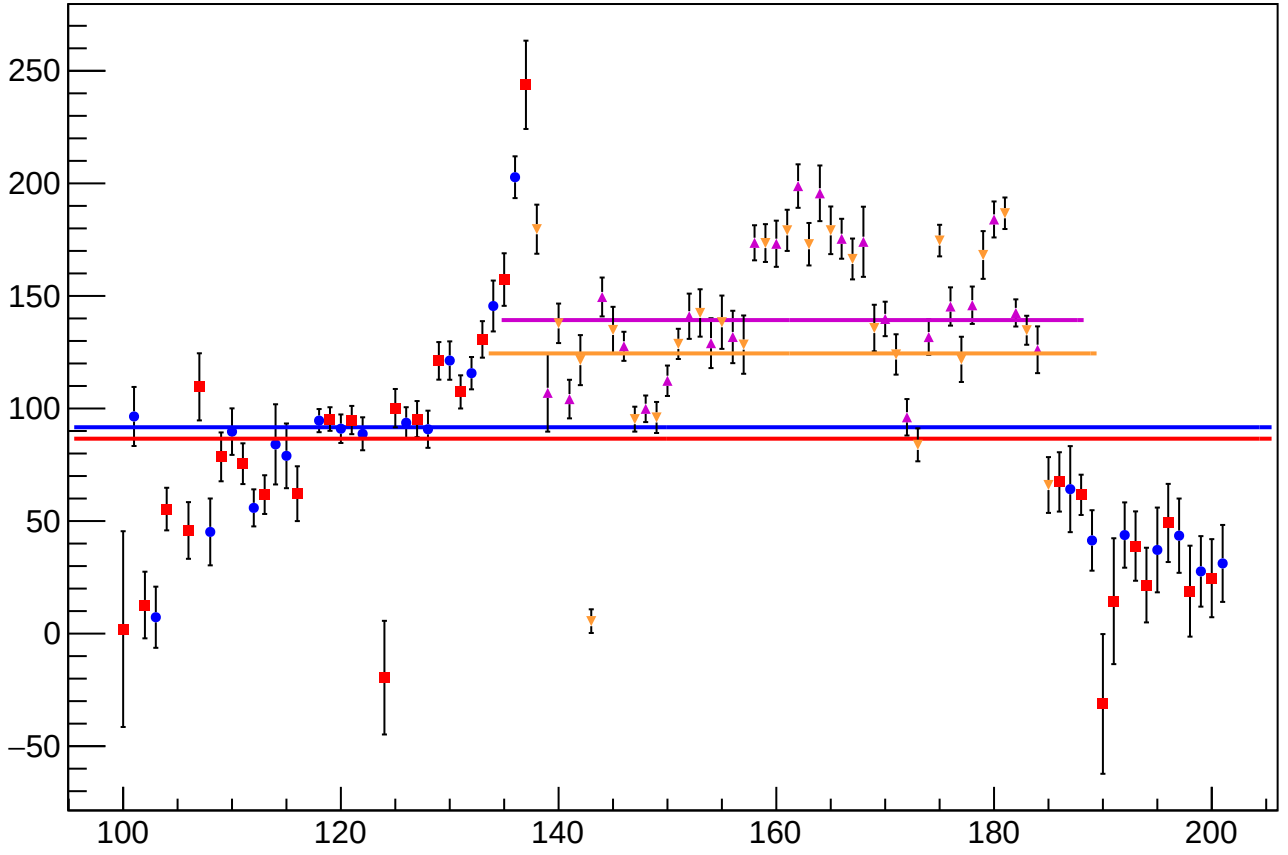
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 356.184+/-1.313 χ^2/NDF: 11200.4/47

All: 371.140+/-0.908 χ^2/NDF: 20660.5/98

- sign 384.841+/-1.257 χ^2/NDF: 9211.5/50

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: 86.590+/-1.976 χ^2/NDF: 333.0/27

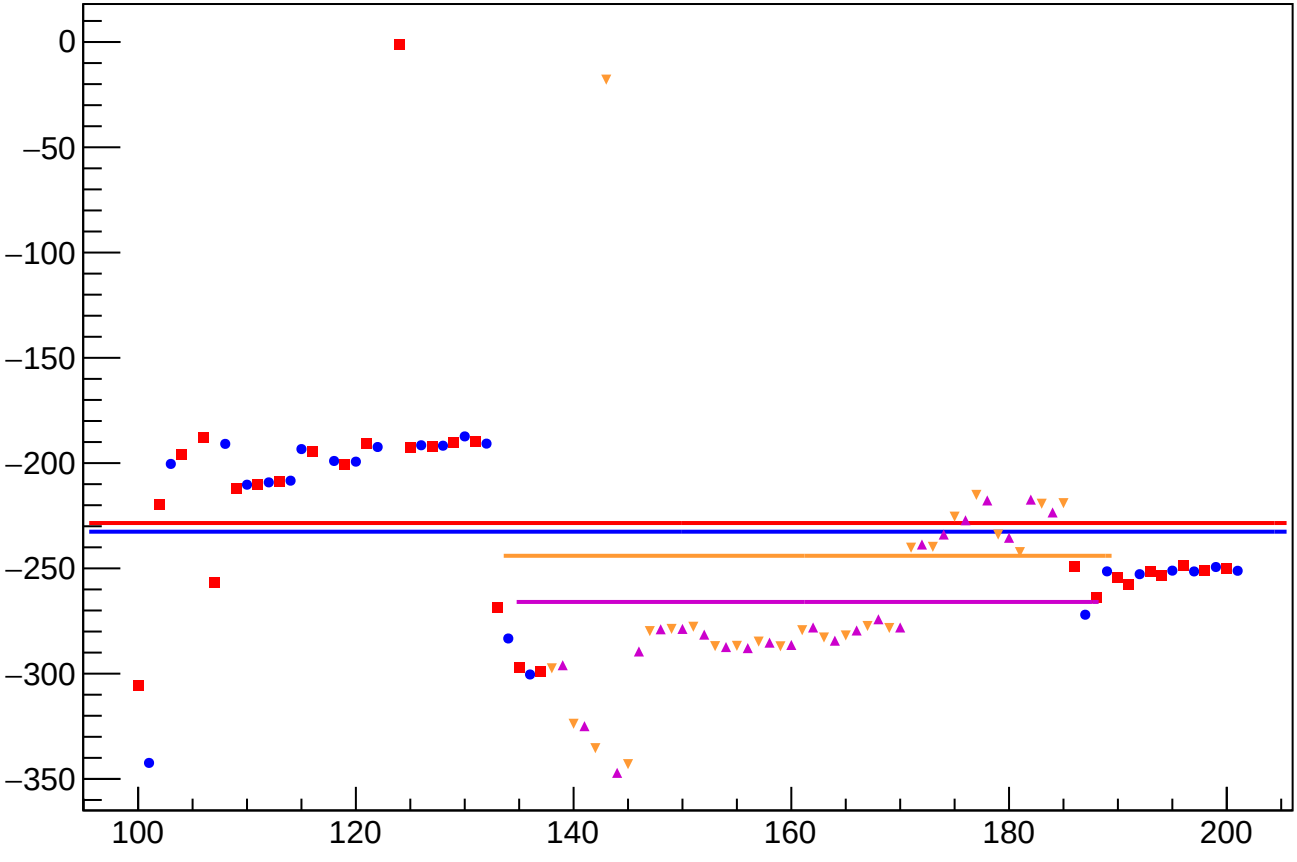
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 111.247+/-1.284 χ^2/NDF: 1425.9/47

All: 113.476+/-0.920 χ^2/NDF: 2420.6/98

- sign 115.826+/-1.318 χ^2/NDF: 988.5/50

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: -228.459+/-0.110 χ^2/NDF: 108937.6/27

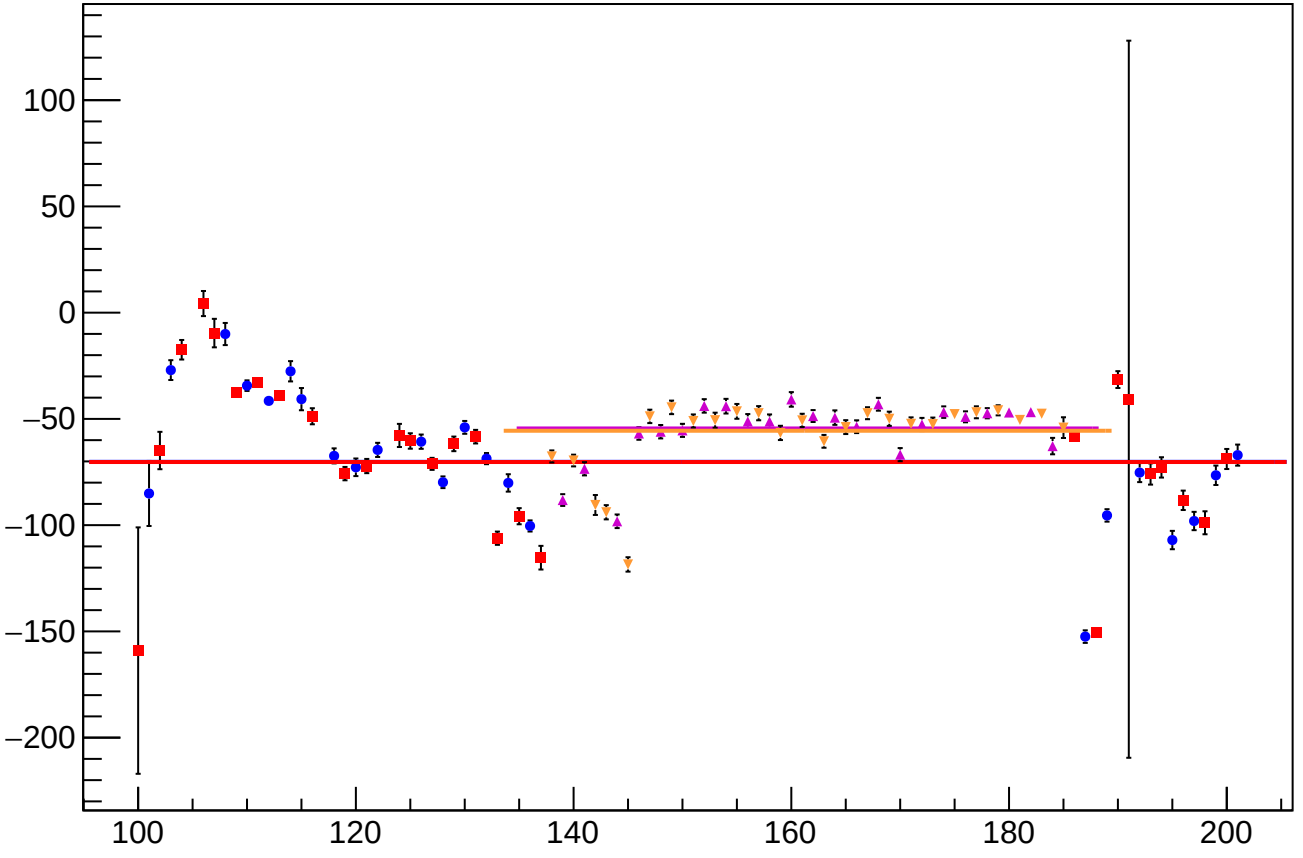
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.433+/-0.064 χ^2/NDF: 1139929.1/47

All: -246.545+/-0.046 χ^2/NDF: 1513195.4/98

- sign -252.814+/-0.065 χ^2/NDF: 354832.6/50

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: -70.289+/-0.629 χ^2/NDF: 3759.0/27

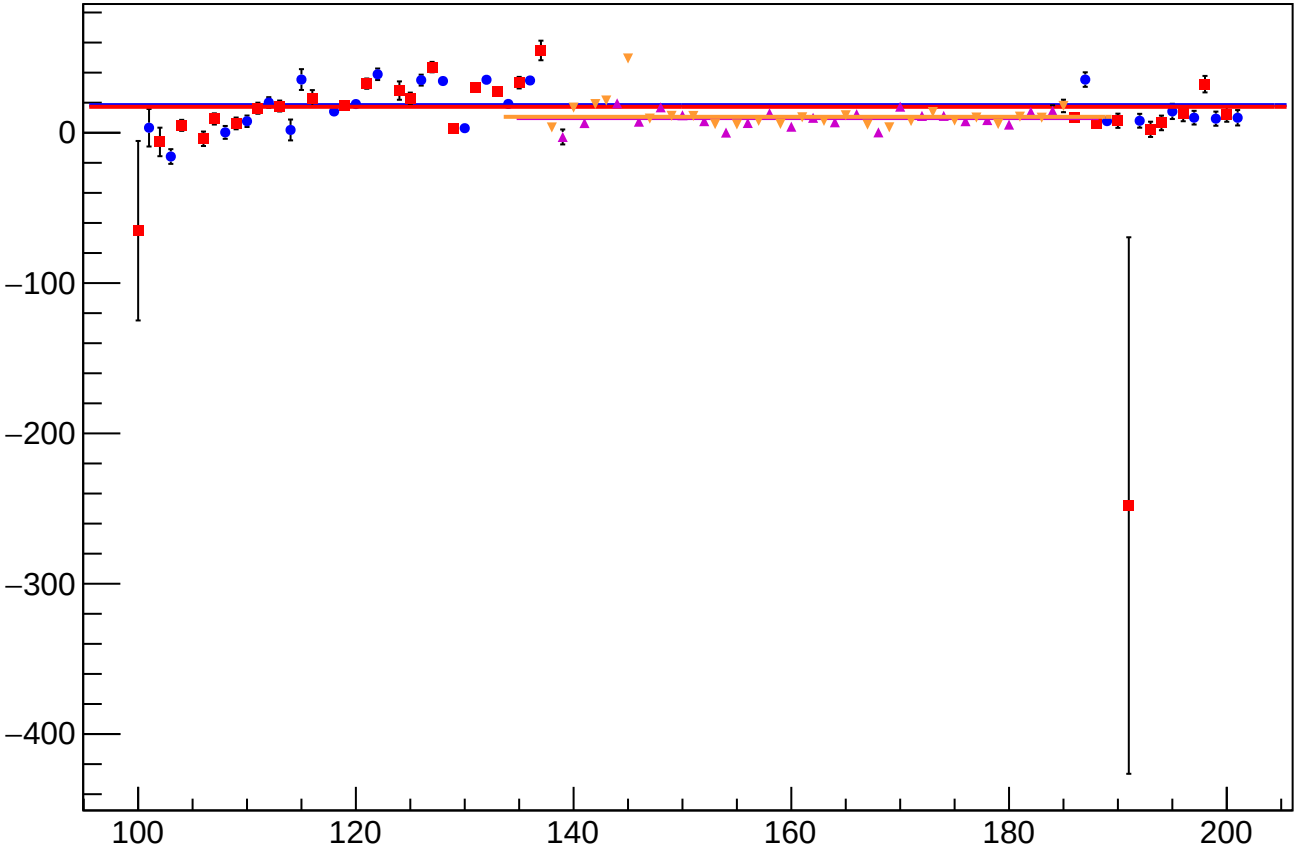
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -61.454+/-0.456 χ^2/NDF: 2808.2/47

All: -61.793+/-0.315 χ^2/NDF: 7395.4/98

- sign -62.104+/-0.436 χ^2/NDF: 4586.1/50

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: 17.259+/-0.703 χ^2/NDF: 302.2/27

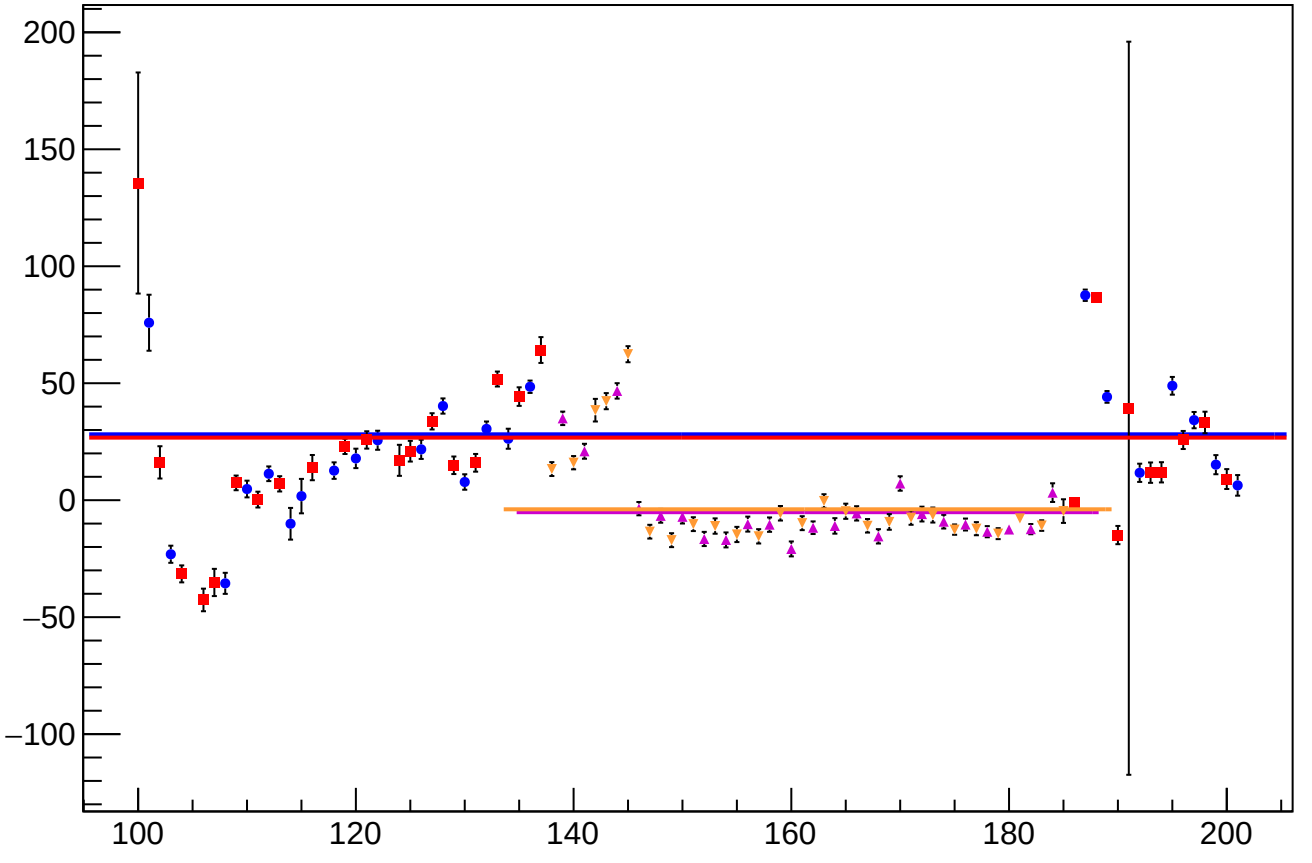
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

\+ sign 12.579+/-0.388 χ^2/NDF: 620.4/47

All: 12.319+/-0.275 χ^2/NDF: 1123.3/98

\- sign 12.059+/-0.389 χ^2/NDF: 502.0/50

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: 26.746+/-0.633 χ^2/NDF: 3298.8/27

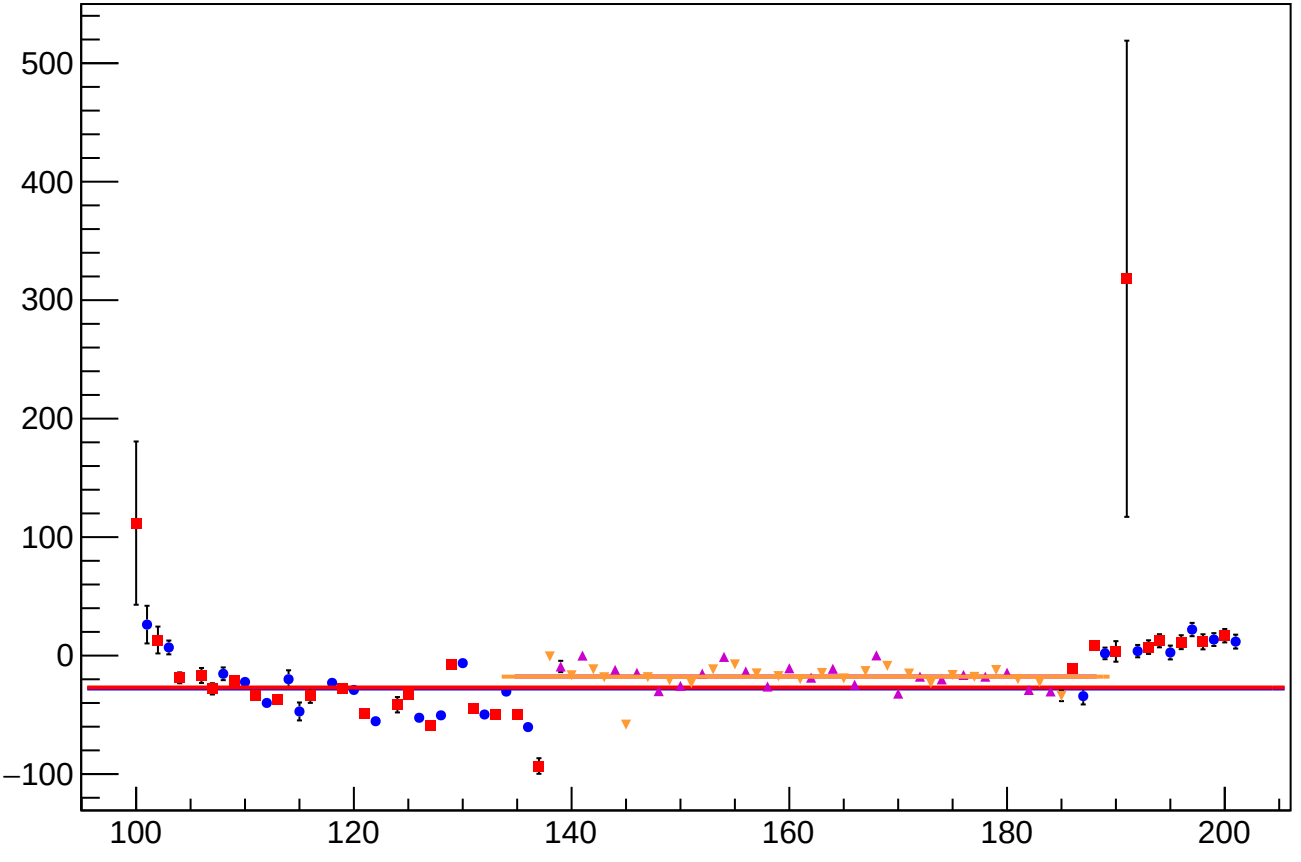
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 8.115+/-0.463 χ^2/NDF: 3368.2/47

All: 9.088+/-0.317 χ^2/NDF: 8661.2/98

- sign 9.949+/-0.435 χ^2/NDF: 5284.7/50

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: -26.939+/-0.845 χ^2/NDF: 773.0/27

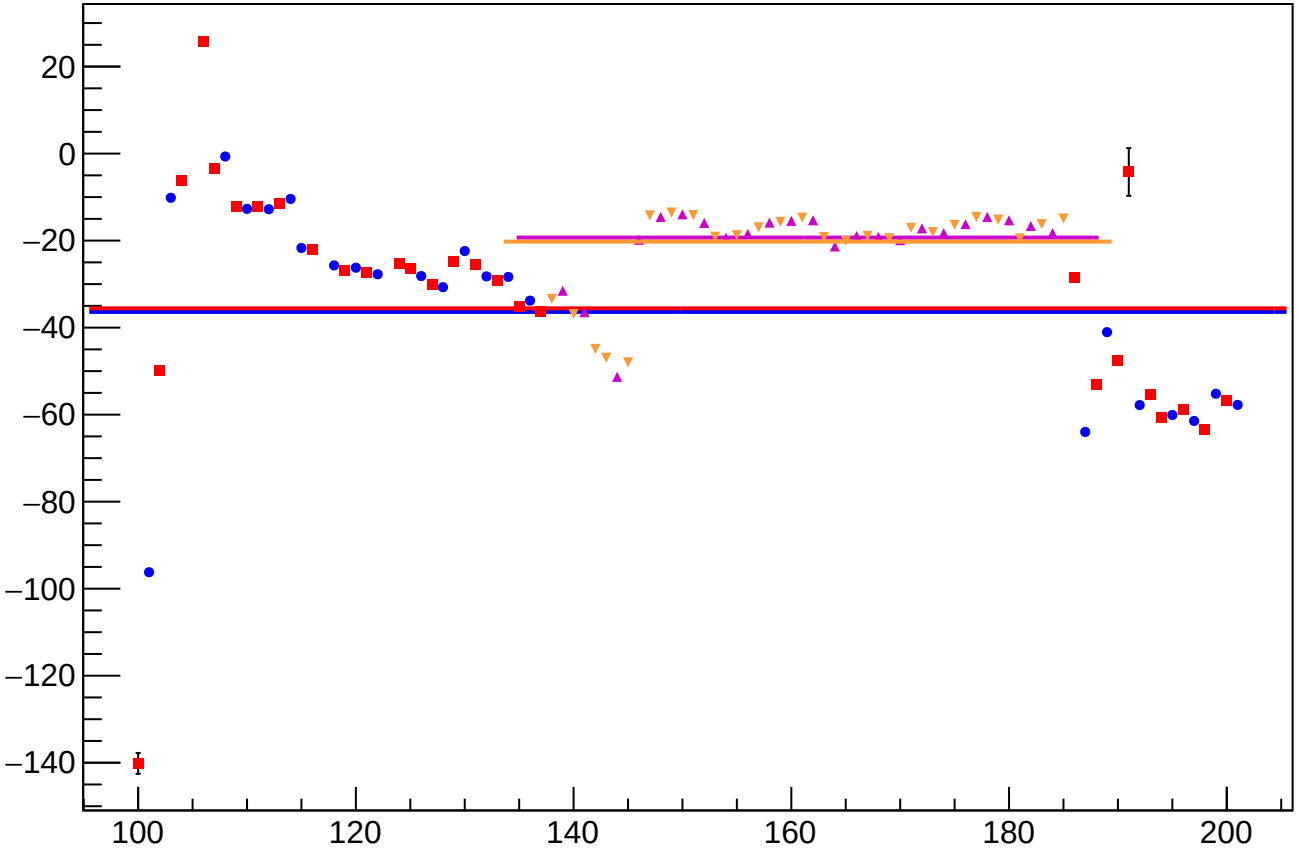
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -20.207+/-0.443 χ^2/NDF: 1026.5/47

All: -20.222+/-0.314 χ^2/NDF: 2172.6/98

- sign -20.238+/-0.447 χ^2/NDF: 1146.1/50

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: -35.569+/-0.044 χ^2/NDF: 261411.2/27

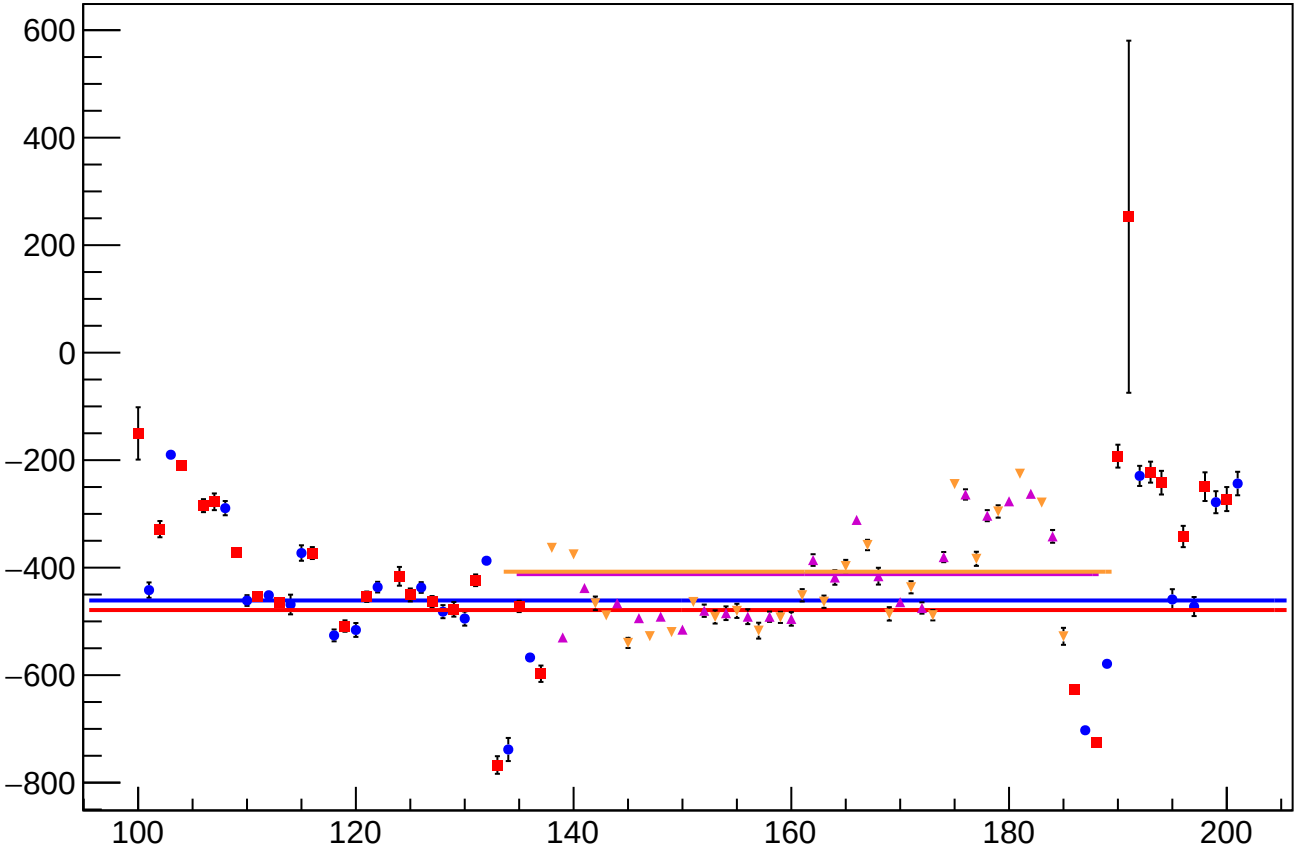
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -23.573+/-0.020 χ^2/NDF: 444784.9/47

All: -23.218+/-0.014 χ^2/NDF: 906412.2/98

- sign -22.856+/-0.021 χ^2/NDF: 461012.8/50

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: -478.892+/-2.091 χ^2/NDF: 5928.9/27

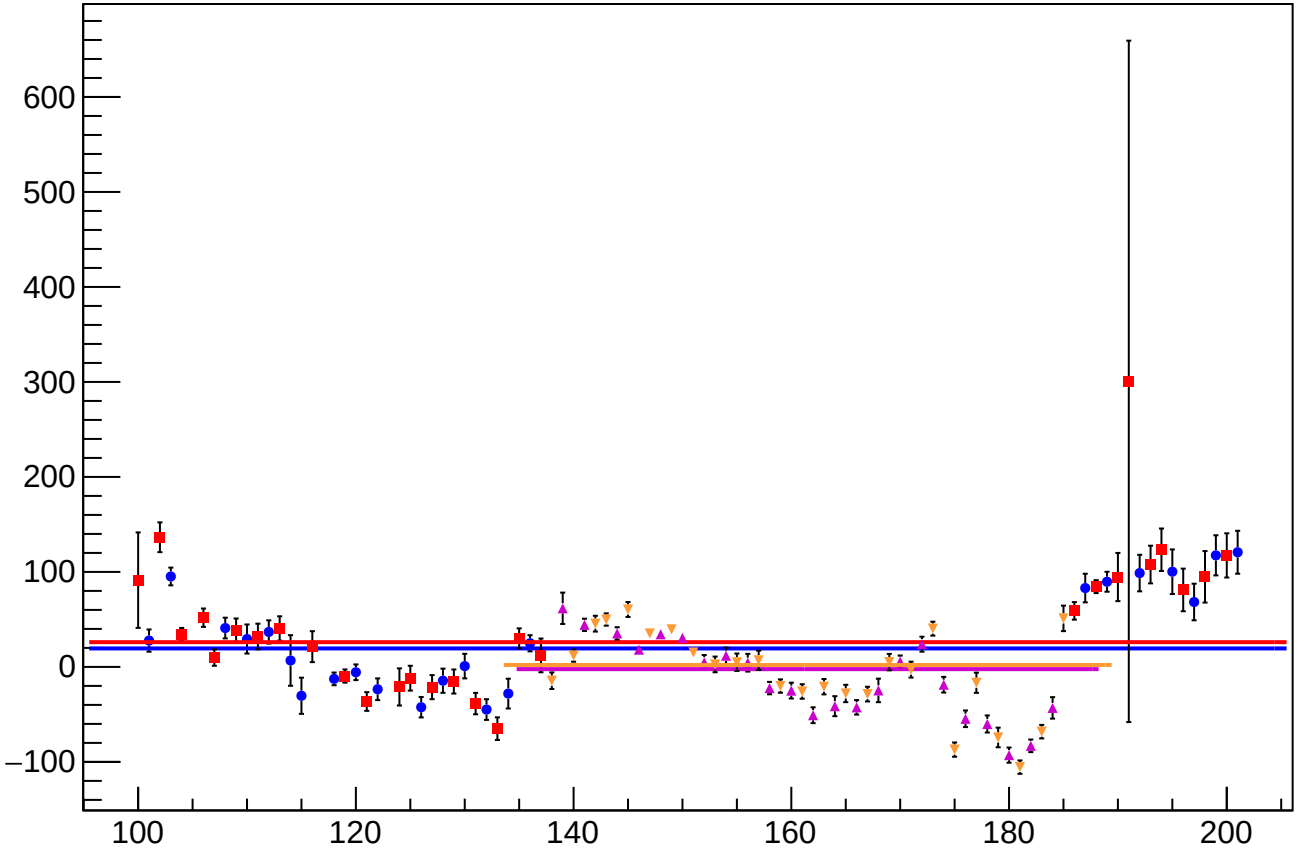
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -428.977+/-1.511 χ^2/NDF: 5980.0/47

All: -436.887+/-1.046 χ^2/NDF: 14674.5/98

- sign -444.155+/-1.448 χ^2/NDF: 8642.0/50

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: 26.049+/-2.250 χ^2/NDF: 421.8/27

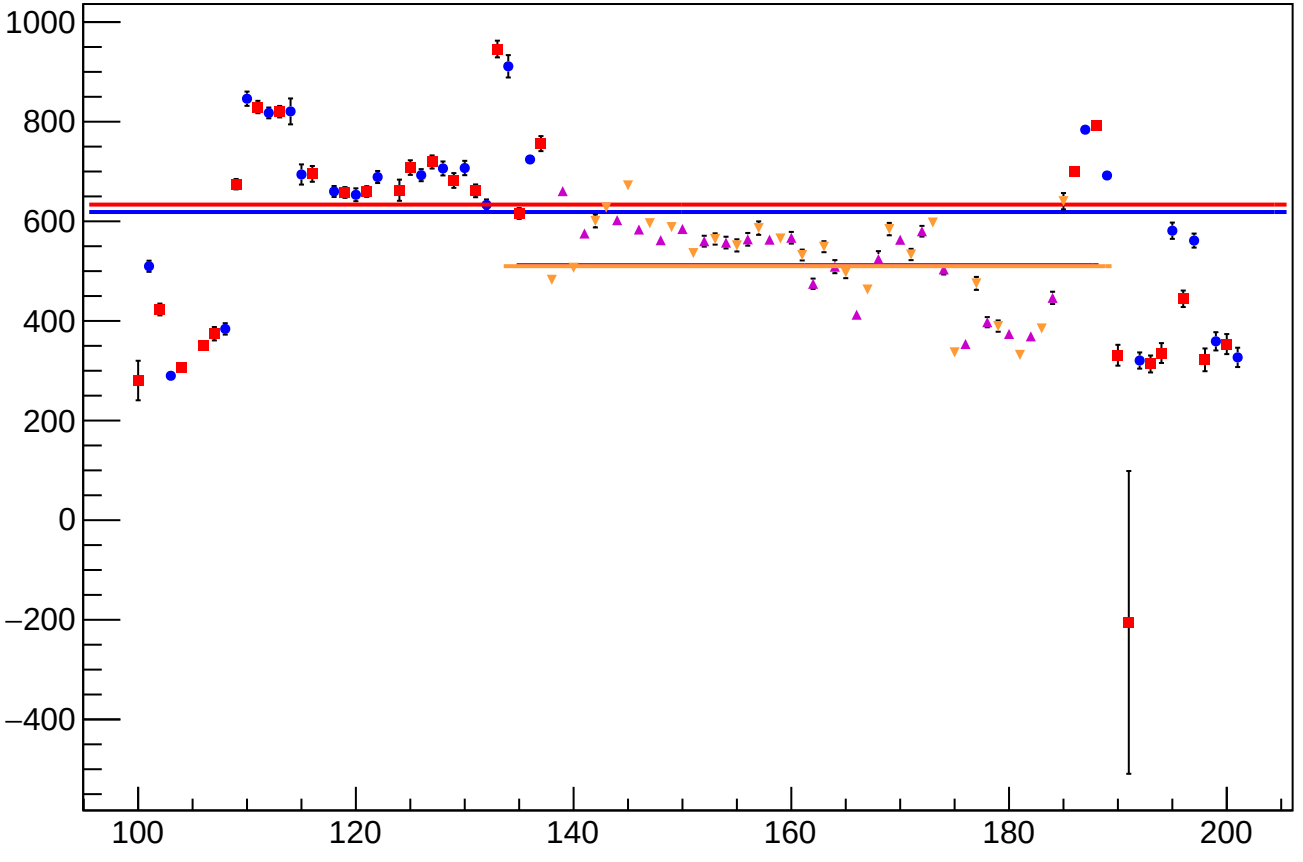
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

\+ sign 6.293+/-1.239 χ^2/NDF: 1299.8/47

All: 6.265+/-0.876 χ^2/NDF: 2566.2/98

\- sign 6.237+/-1.238 χ^2/NDF: 1266.4/50

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: 633.591+/-2.042 χ^2/NDF: 8257.8/27

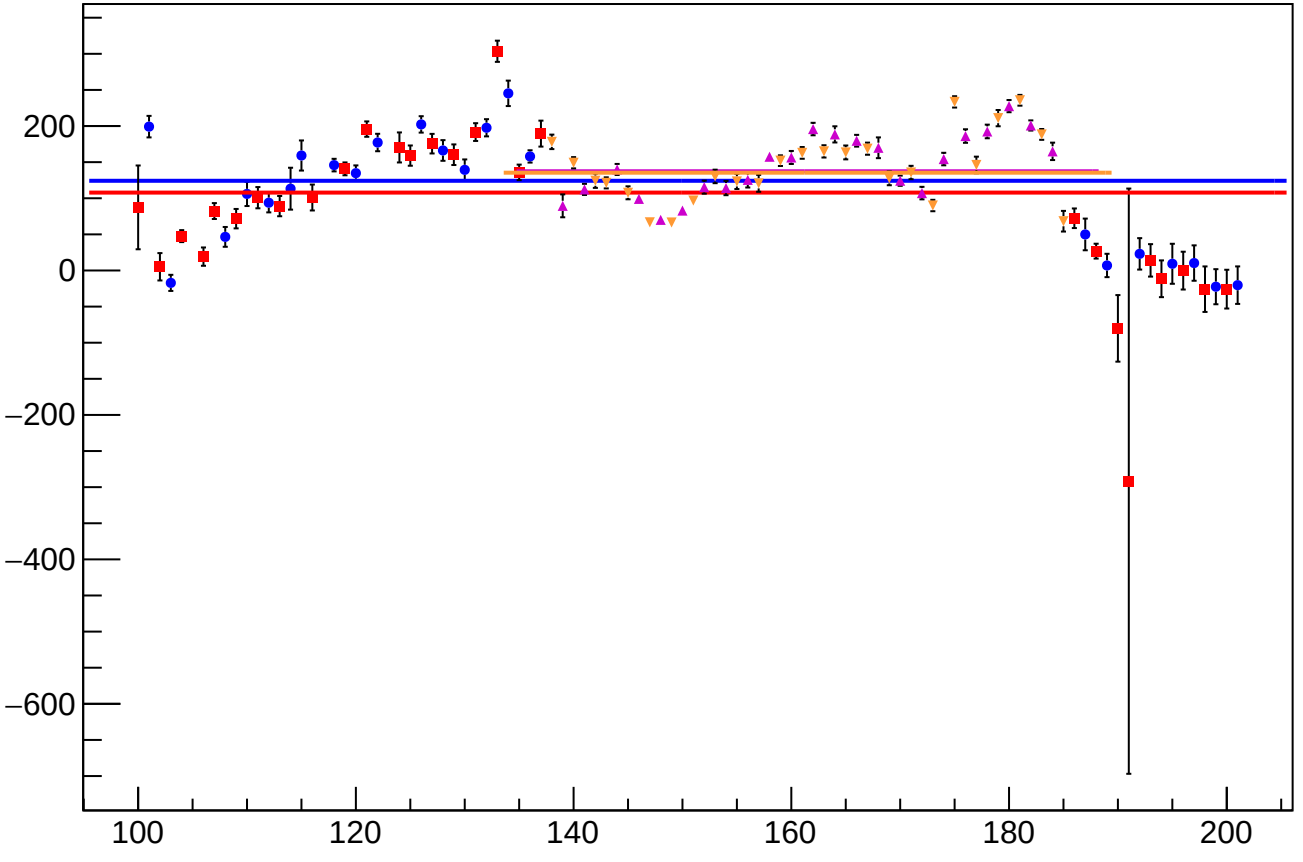
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 552.455+/-1.510 χ^2/NDF: 9140.4/47

All: 562.367+/-1.036 χ^2/NDF: 21382.6/98

- sign 571.166+/-1.423 χ^2/NDF: 12160.9/50

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: 107.850+/-2.717 χ^2/NDF: 726.5/27

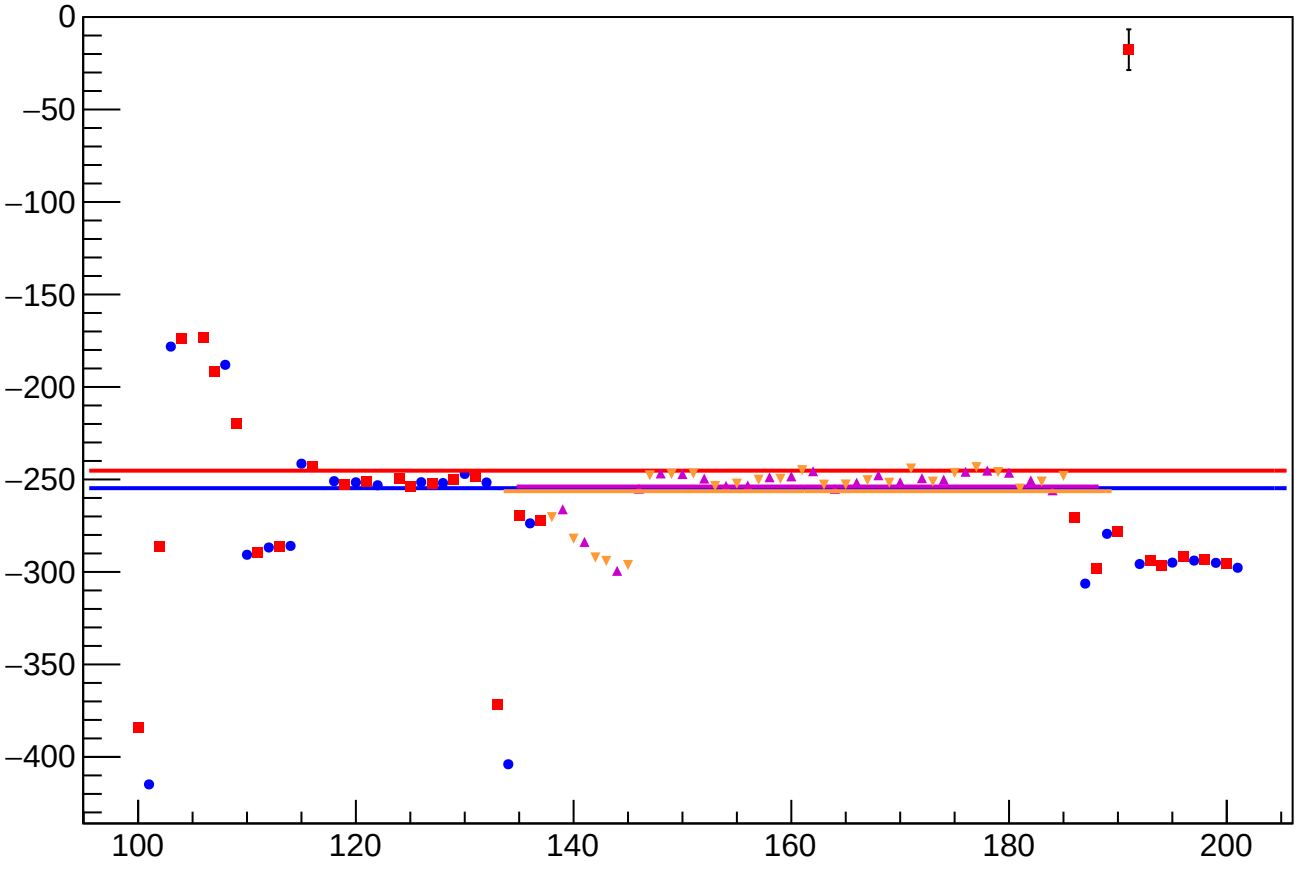
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 132.739+/-1.439 χ^2/NDF: 1537.6/47

All: 130.900+/-1.019 χ^2/NDF: 3058.1/98

- sign 129.053+/-1.442 χ^2/NDF: 1517.2/50

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: -245.244+/-0.137 χ^2/NDF: 141982.1/27

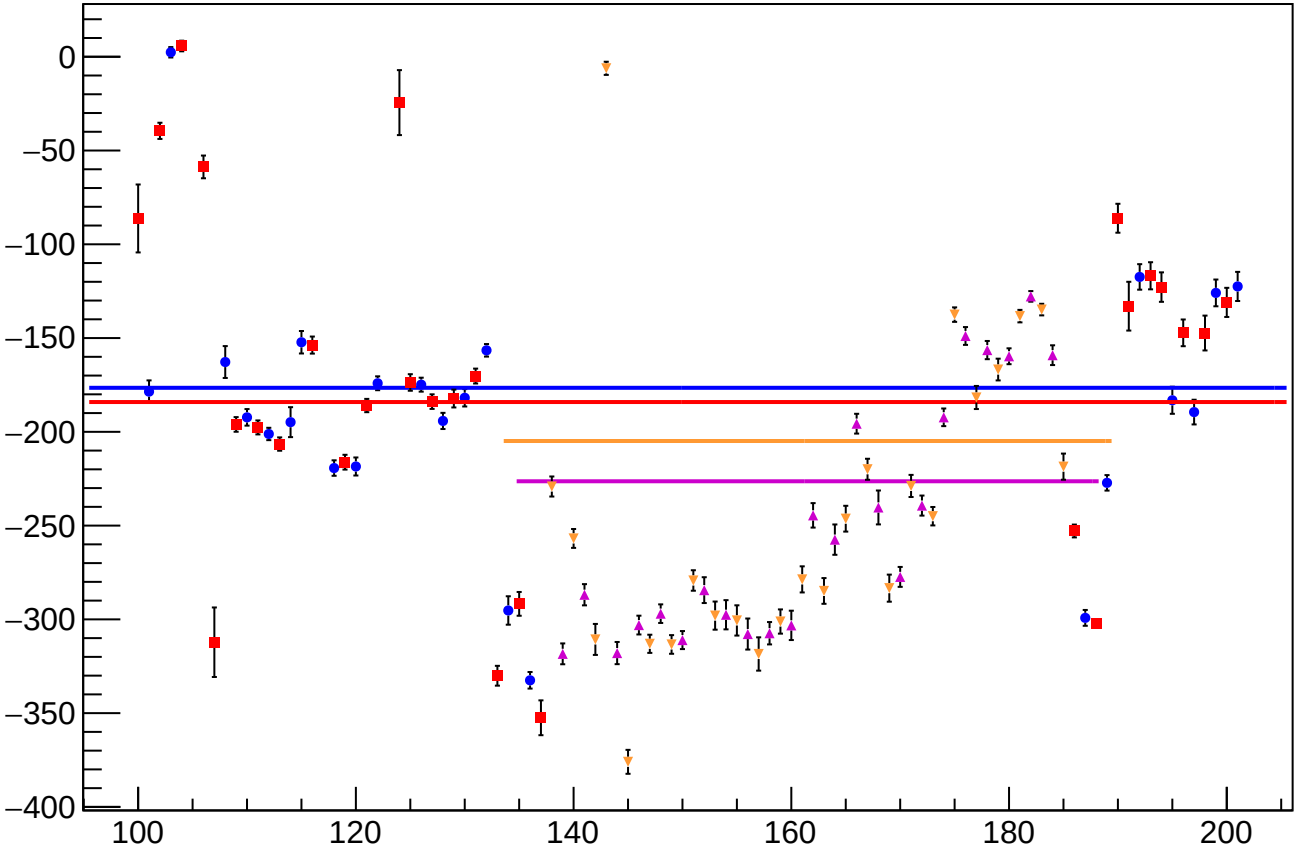
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -255.978+/-0.068 χ^2/NDF: 235414.2/47

All: -253.847+/-0.048 χ^2/NDF: 406406.3/98

- sign -251.725+/-0.068 χ^2/NDF: 169020.4/50

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: -184.111+/-0.875 χ^2/NDF: 11275.3/27

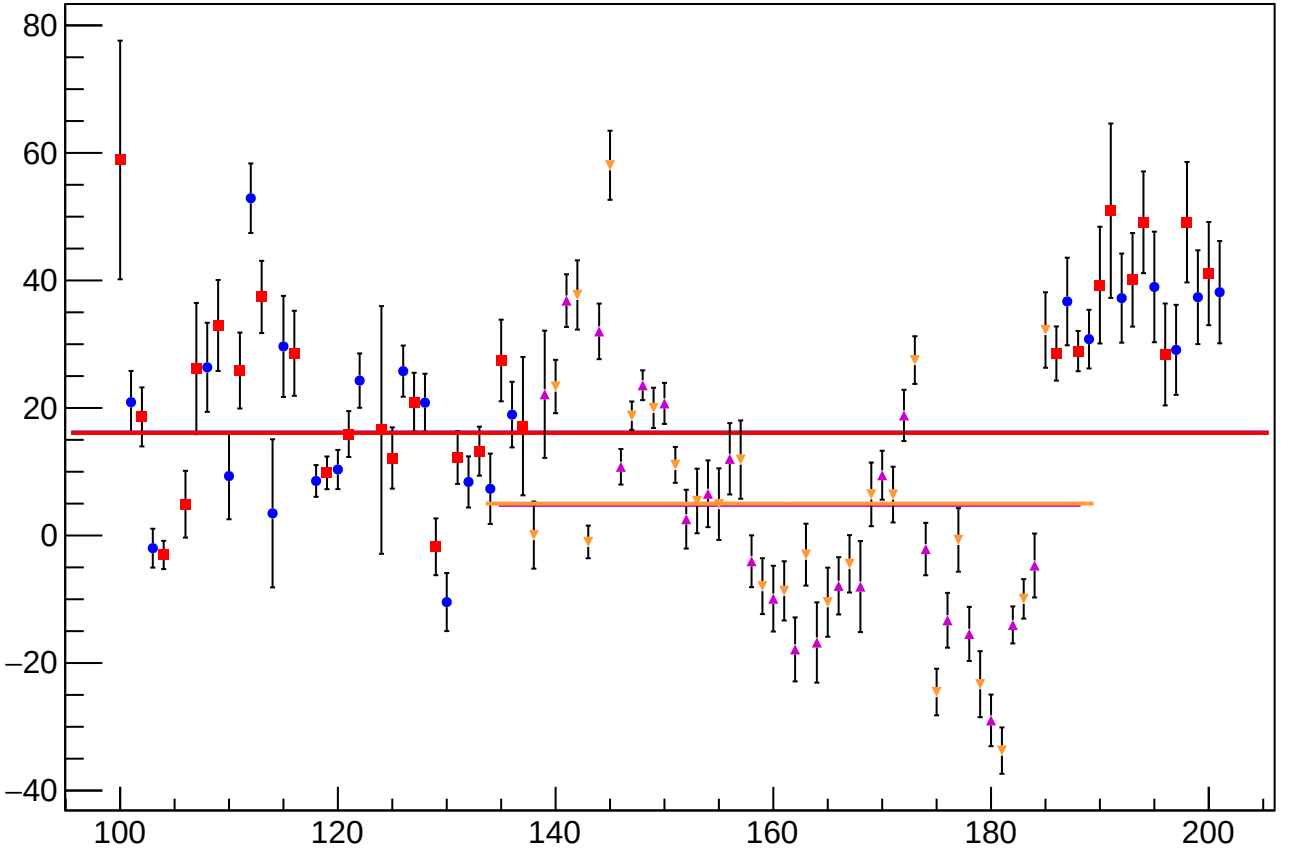
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -189.452+/-0.710 χ^2/NDF: 15362.2/47

All: -195.113+/-0.493 χ^2/NDF: 31878.1/98

- sign -200.394+/-0.686 χ^2/NDF: 16393.1/50

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: 16.083+/-0.920 χ^2/NDF: 230.0/27

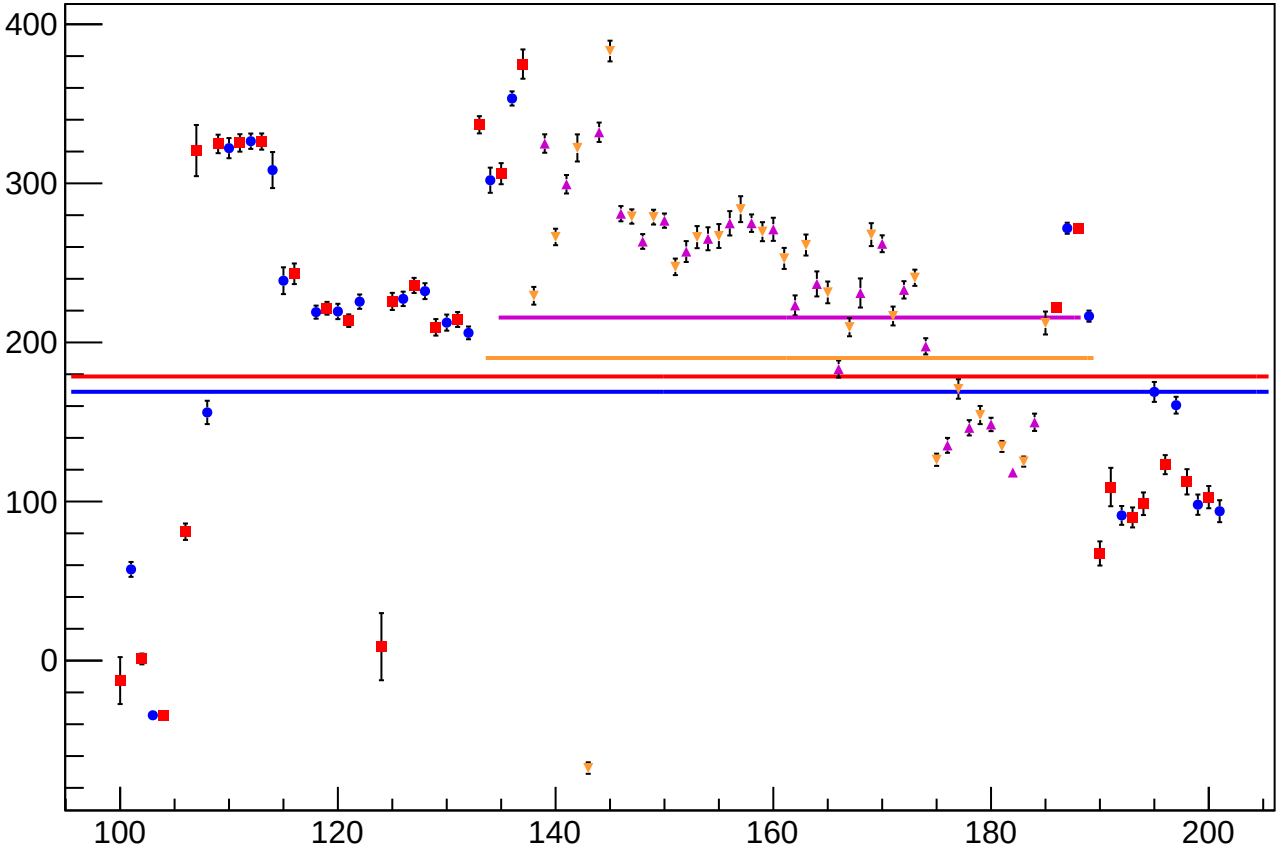
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 9.362+/-0.619 χ^2/NDF: 833.1/47

All: 9.666+/-0.439 χ^2/NDF: 1571.4/98

- sign 9.974+/-0.623 χ^2/NDF: 737.8/50

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: 178.596+/-0.850 χ^2/NDF: 20625.0/27

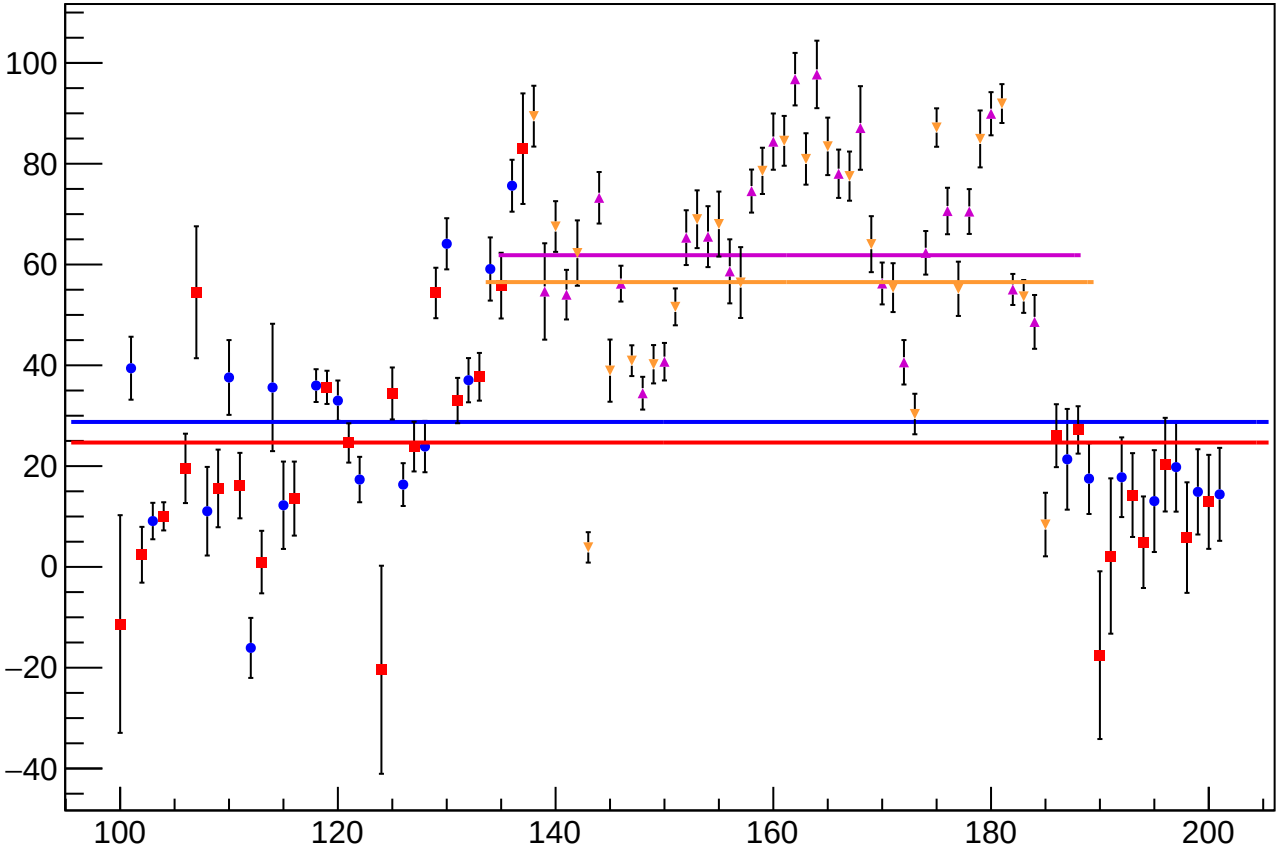
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 178.715+/-0.711 χ^2/NDF: 25093.4/47

All: 185.980+/-0.488 χ^2/NDF: 50514.2/98

- sign 192.475+/-0.672 χ^2/NDF: 25223.0/50

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: 24.678+/-1.107 χ^2/NDF: 208.8/27

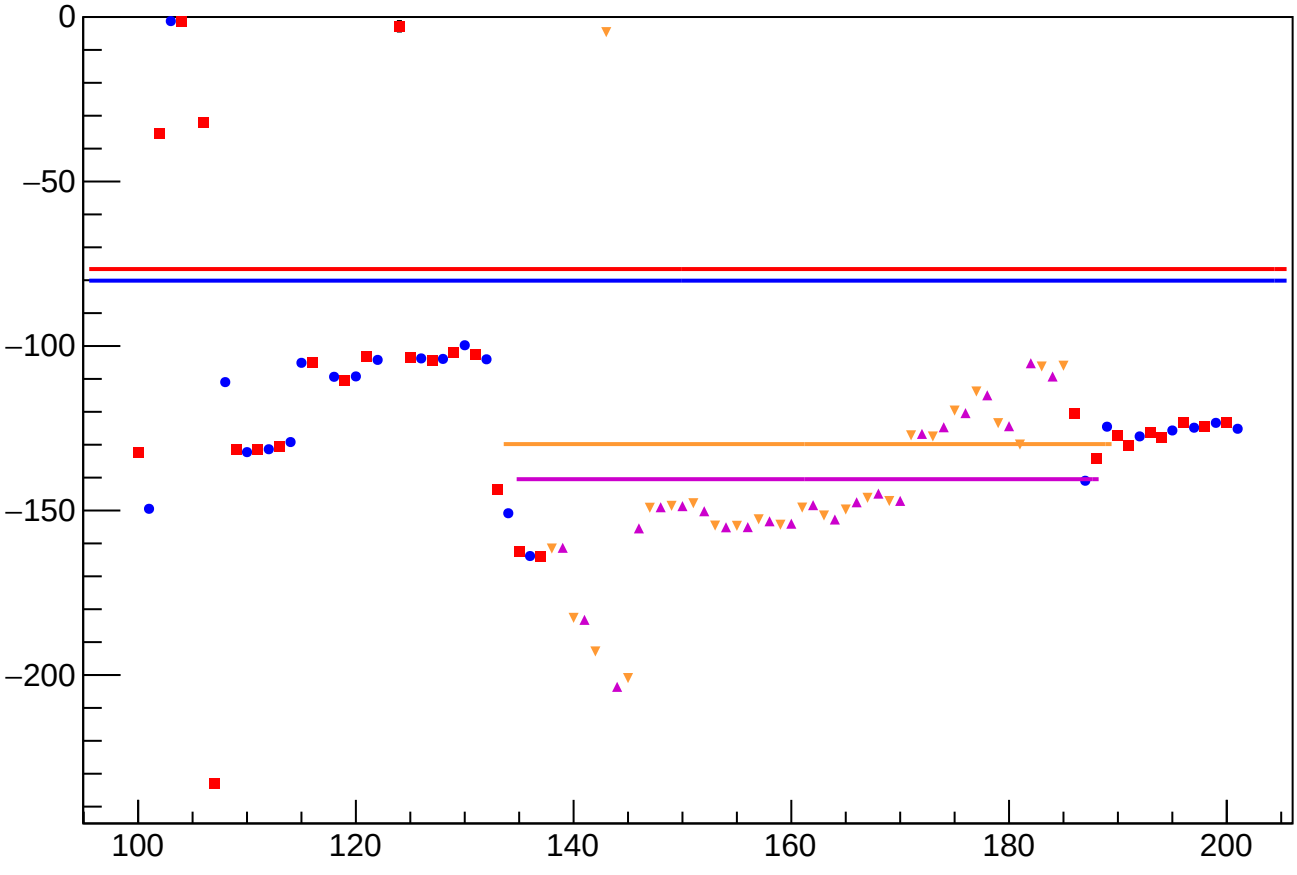
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 46.072+/-0.718 χ^2/NDF: 1442.0/47

All: 45.970+/-0.510 χ^2/NDF: 2614.4/98

- sign 45.865+/-0.726 χ^2/NDF: 1172.3/50

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



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: -76.607+/-0.053 χ^2/NDF: 1212806.1/27

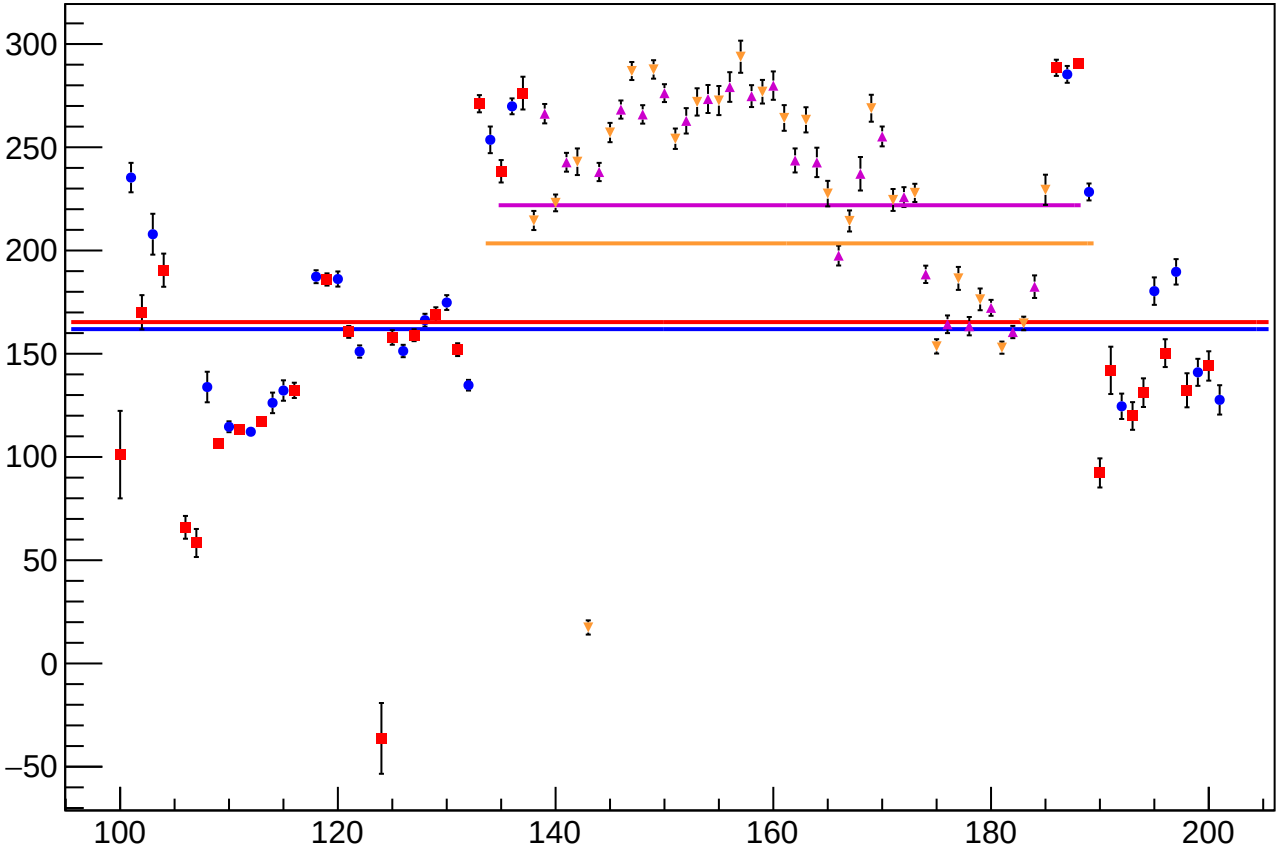
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.489+/-0.033 χ^2/NDF: 2813661.9/47

All: -113.074+/-0.024 χ^2/NDF: 5149742.5/98

- sign -114.678+/-0.034 χ^2/NDF: 2331577.8/50

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: 165.333+/-0.732 χ^2/NDF: 8052.4/27

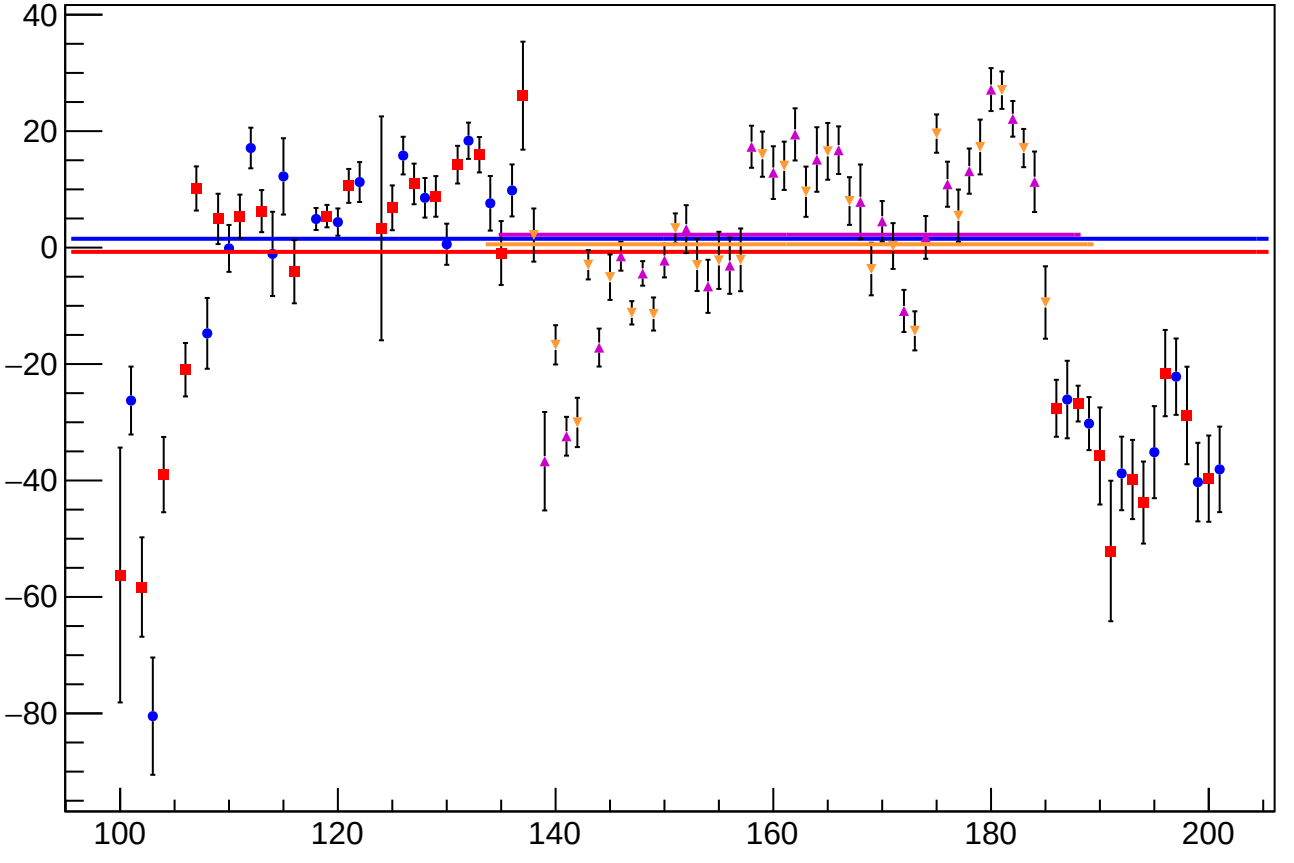
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 179.092+/-0.613 χ^2/NDF: 10243.5/47

All: 182.149+/-0.425 χ^2/NDF: 22408.4/98

- sign 184.993+/-0.591 χ^2/NDF: 12116.9/50

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: -0.733+/-0.810 χ^2/NDF: 486.0/27

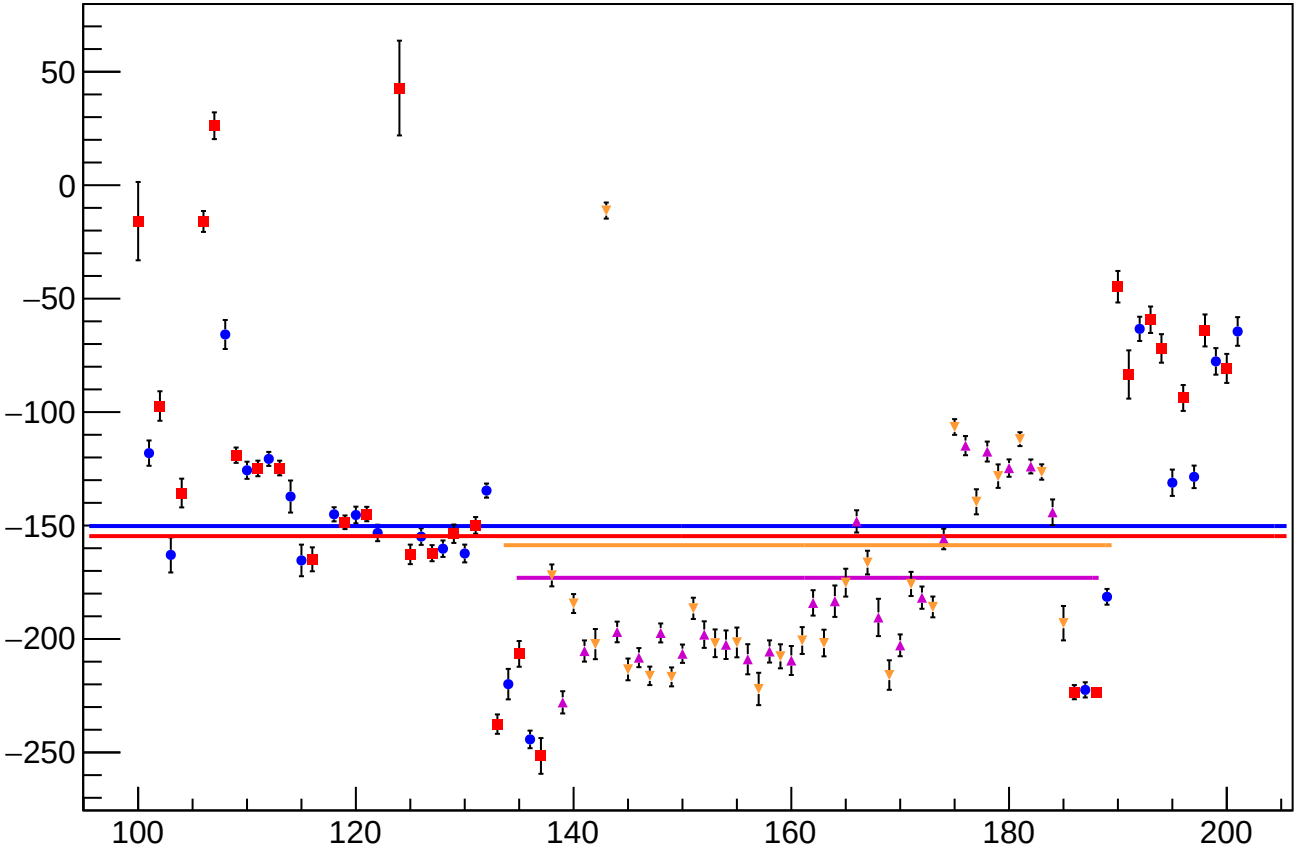
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 0.970+/-0.543 χ^2/NDF: 744.7/47

All: 0.902+/-0.388 χ^2/NDF: 1595.9/98

- sign 0.831+/-0.554 χ^2/NDF: 851.2/50

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: -154.666+/-0.791 χ^2/NDF: 6167.6/27

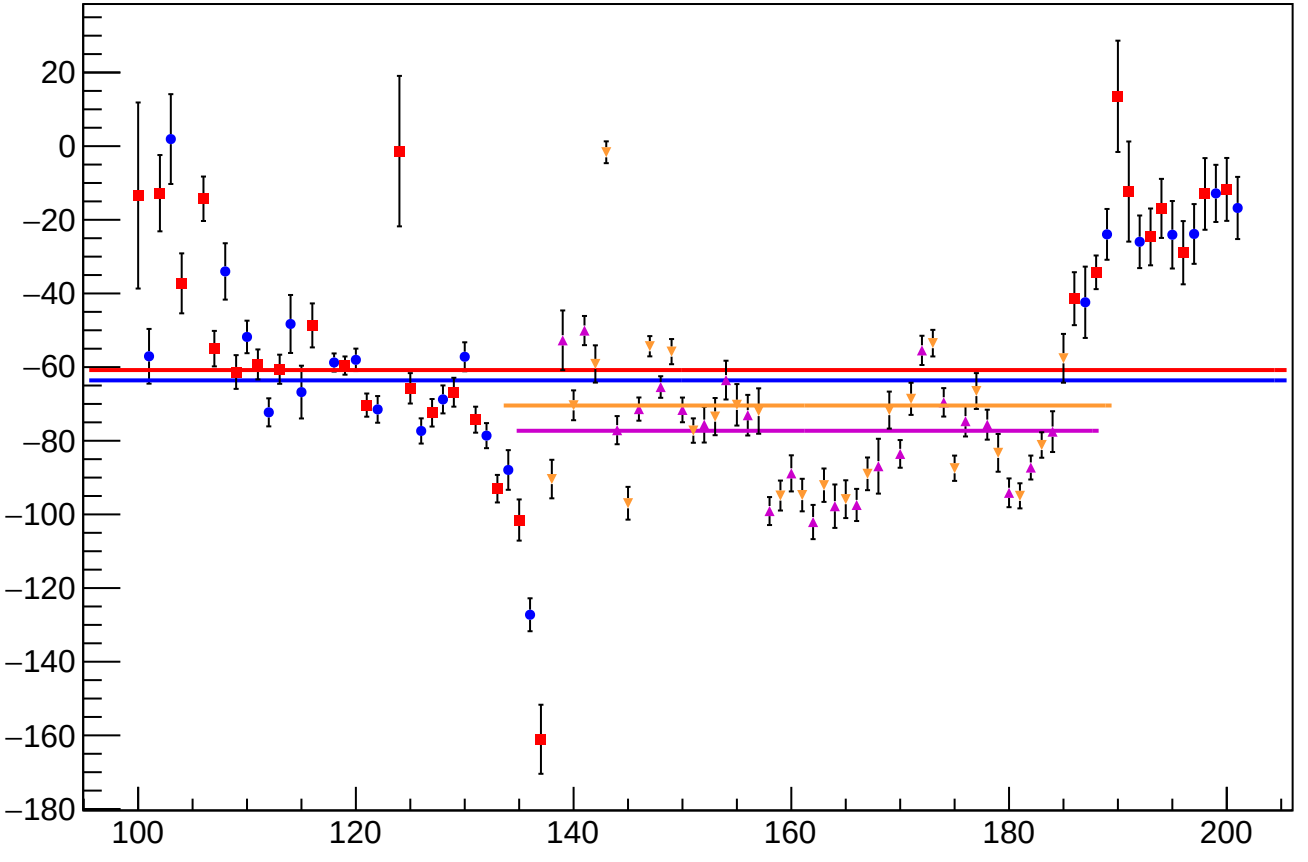
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -154.136+/-0.647 χ^2/NDF: 5810.5/47

All: -158.124+/-0.447 χ^2/NDF: 13659.7/98

- sign -161.780+/-0.619 χ^2/NDF: 7776.4/50

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: -60.802+/-0.953 χ^2/NDF: 586.8/27

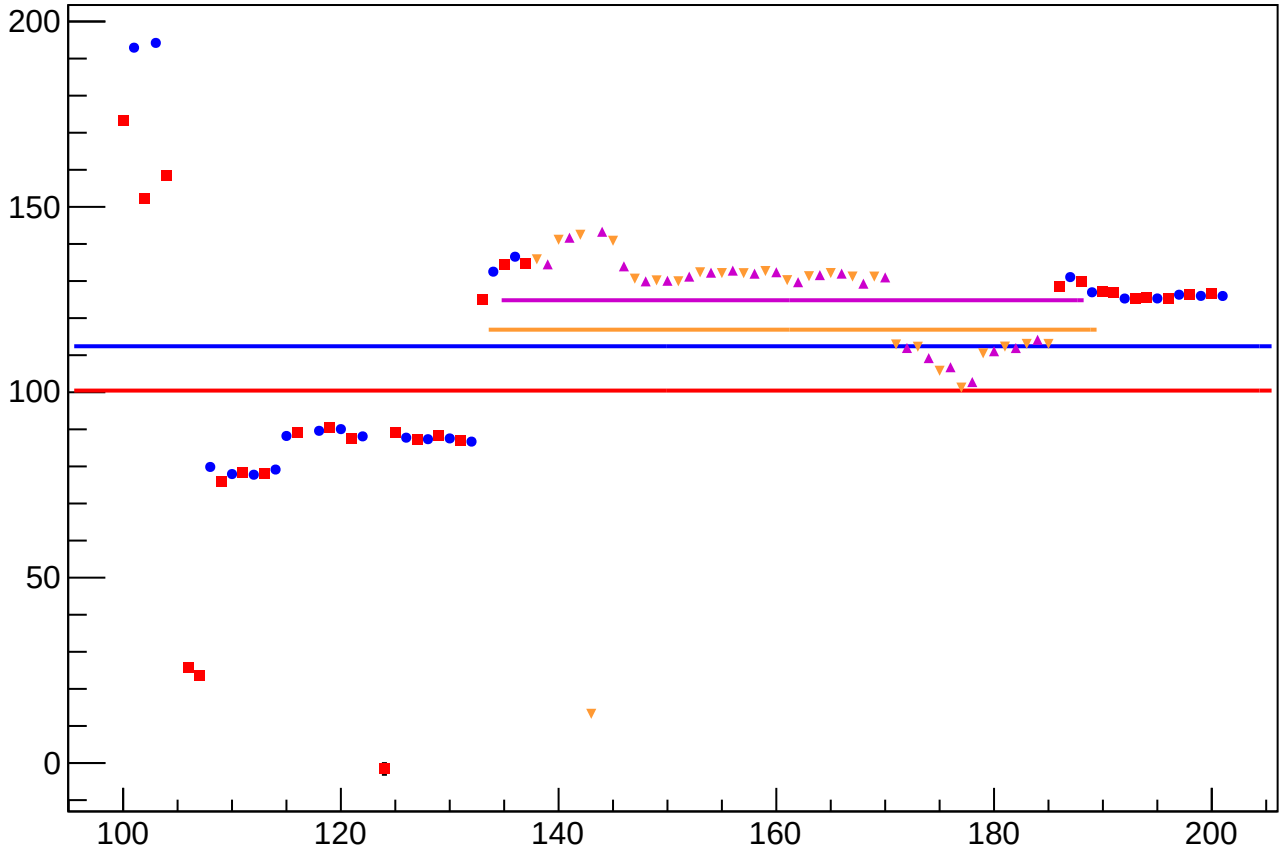
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -67.605+/-0.629 χ^2/NDF: 1447.8/47

All: -68.699+/-0.449 χ^2/NDF: 2459.0/98

- sign -69.834+/-0.641 χ^2/NDF: 1005.0/50

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: 100.456+/-0.054 χ^2/NDF: 490477.0/27

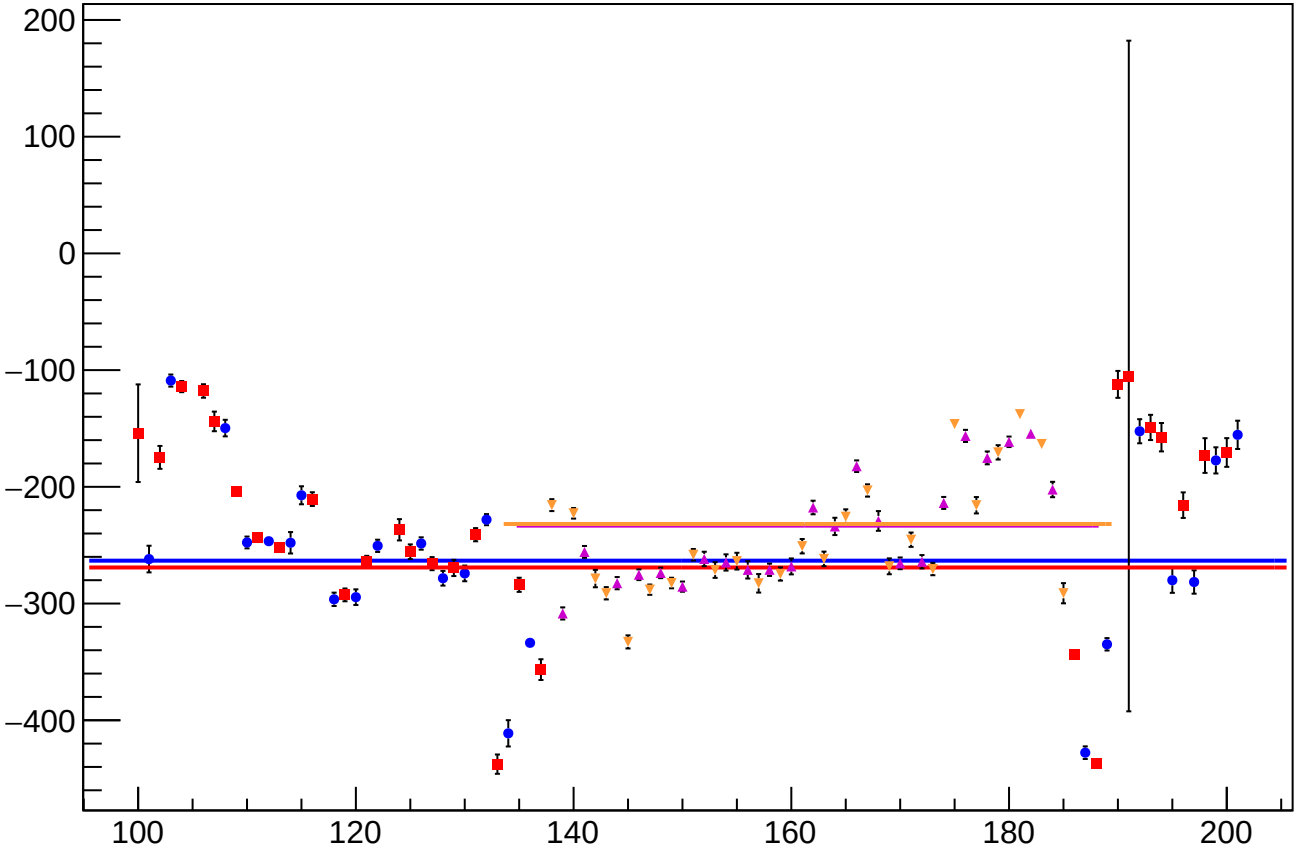
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 115.531+/-0.032 χ^2/NDF: 894598.6/47

All: 115.934+/-0.022 χ^2/NDF: 1607141.9/98

- sign 116.335+/-0.032 χ^2/NDF: 712223.9/50

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: -269.111+/-1.128 χ^2/NDF: 7315.5/27

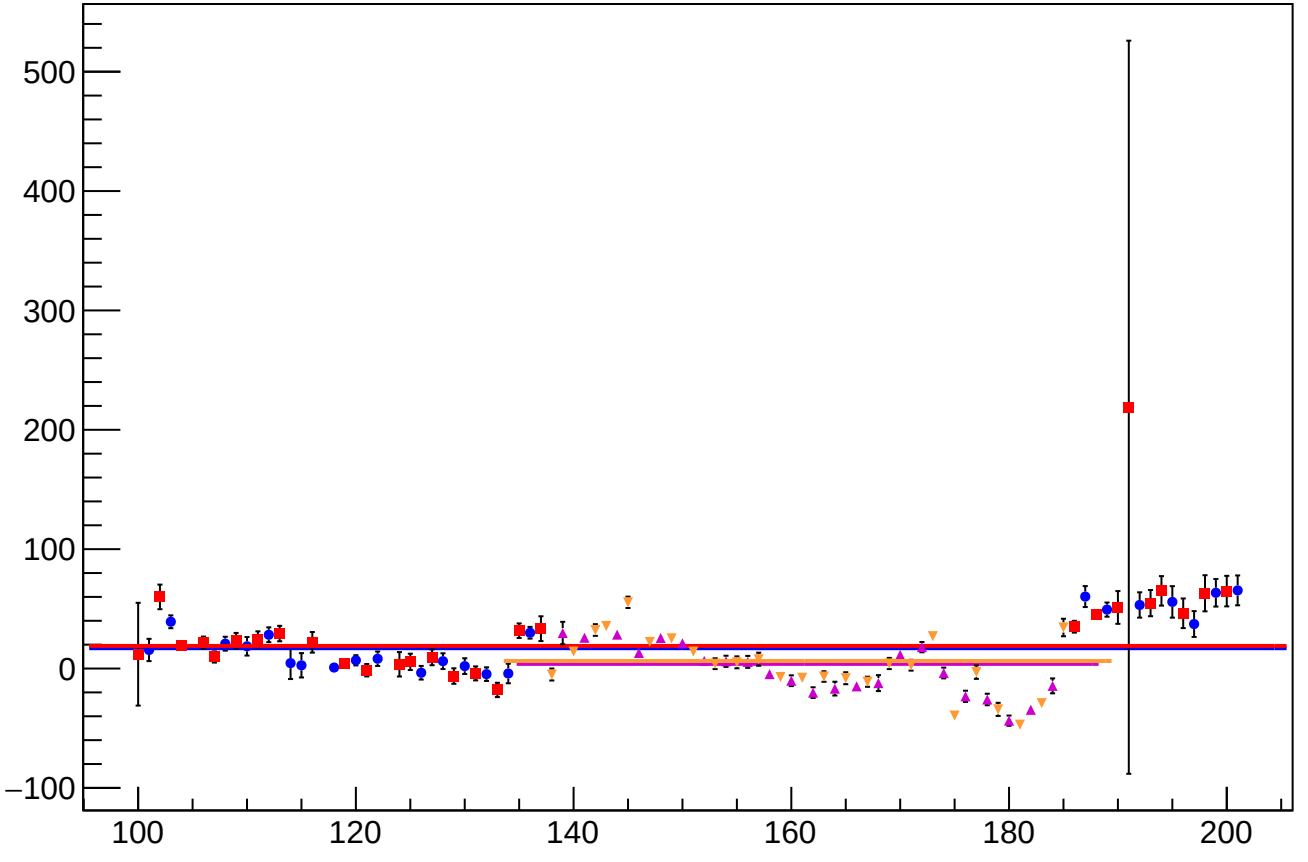
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -244.732+/-0.830 χ^2/NDF: 6199.7/47

All: -247.943+/-0.572 χ^2/NDF: 16125.1/98

- sign -250.857+/-0.790 χ^2/NDF: 9896.8/50

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: 18.937+/-1.217 χ^2/NDF: 250.4/27

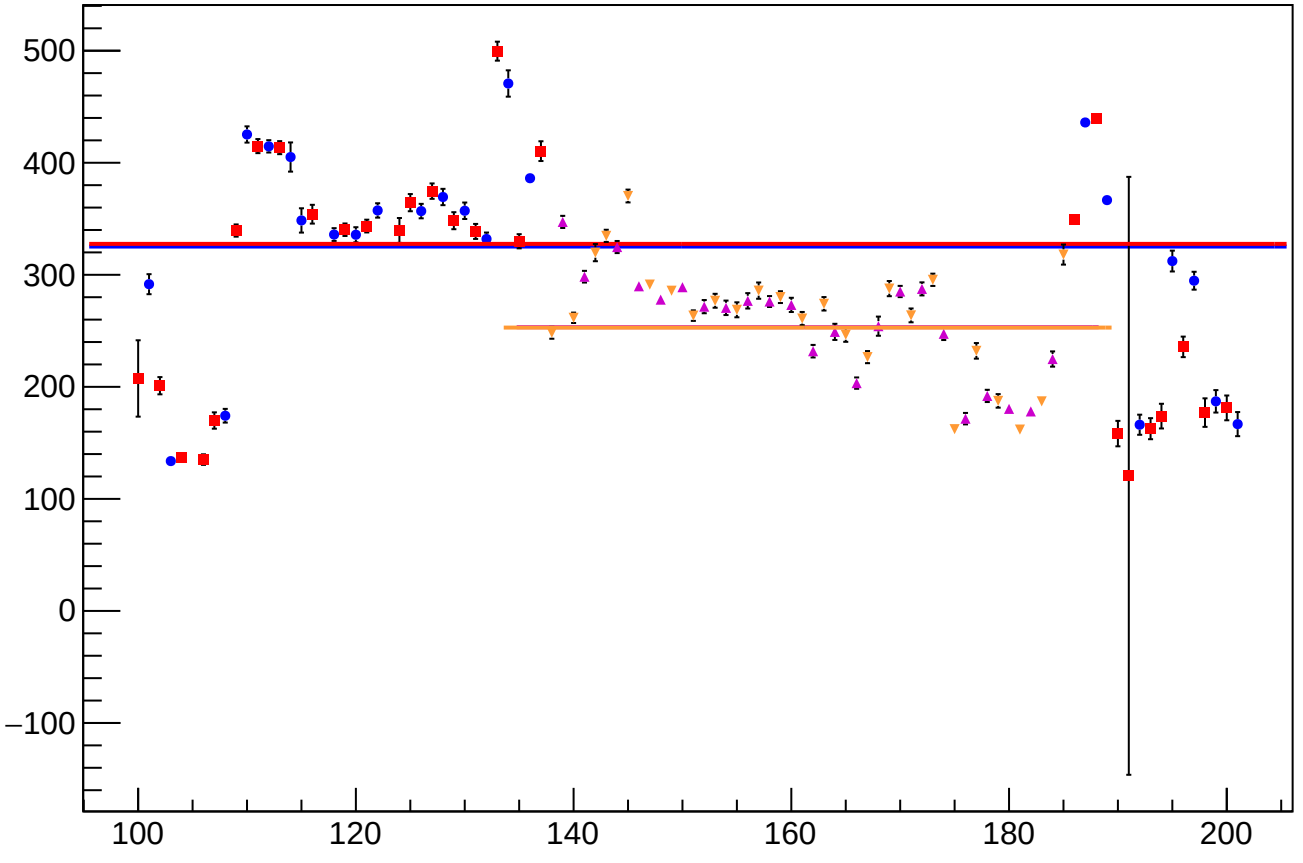
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

\+ sign 8.994+/-0.683 χ^2/NDF: 1129.2/47

All: 8.789+/-0.481 χ^2/NDF: 2135.2/98

\- sign 8.585+/-0.679 χ^2/NDF: 1005.8/50

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: 327.596+/-1.124 χ^2/NDF: 9482.0/27

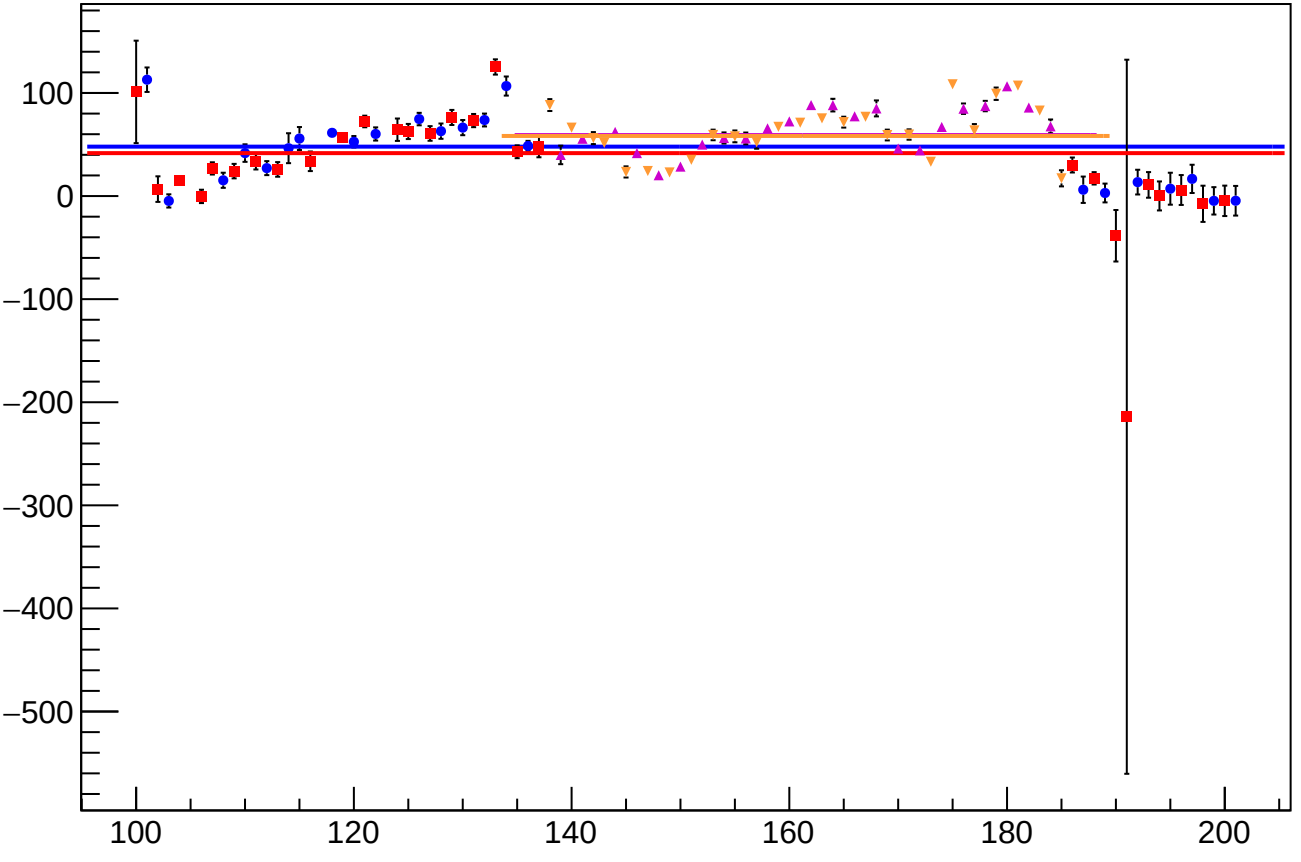
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

\+ sign 281.073+/-0.836 χ^2/NDF: 9610.7/47

All: 285.503+/-0.572 χ^2/NDF: 23452.9/98

\- sign 289.393+/-0.784 χ^2/NDF: 13789.5/50

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: 41.643+/-1.464 χ^2/NDF: 404.1/27

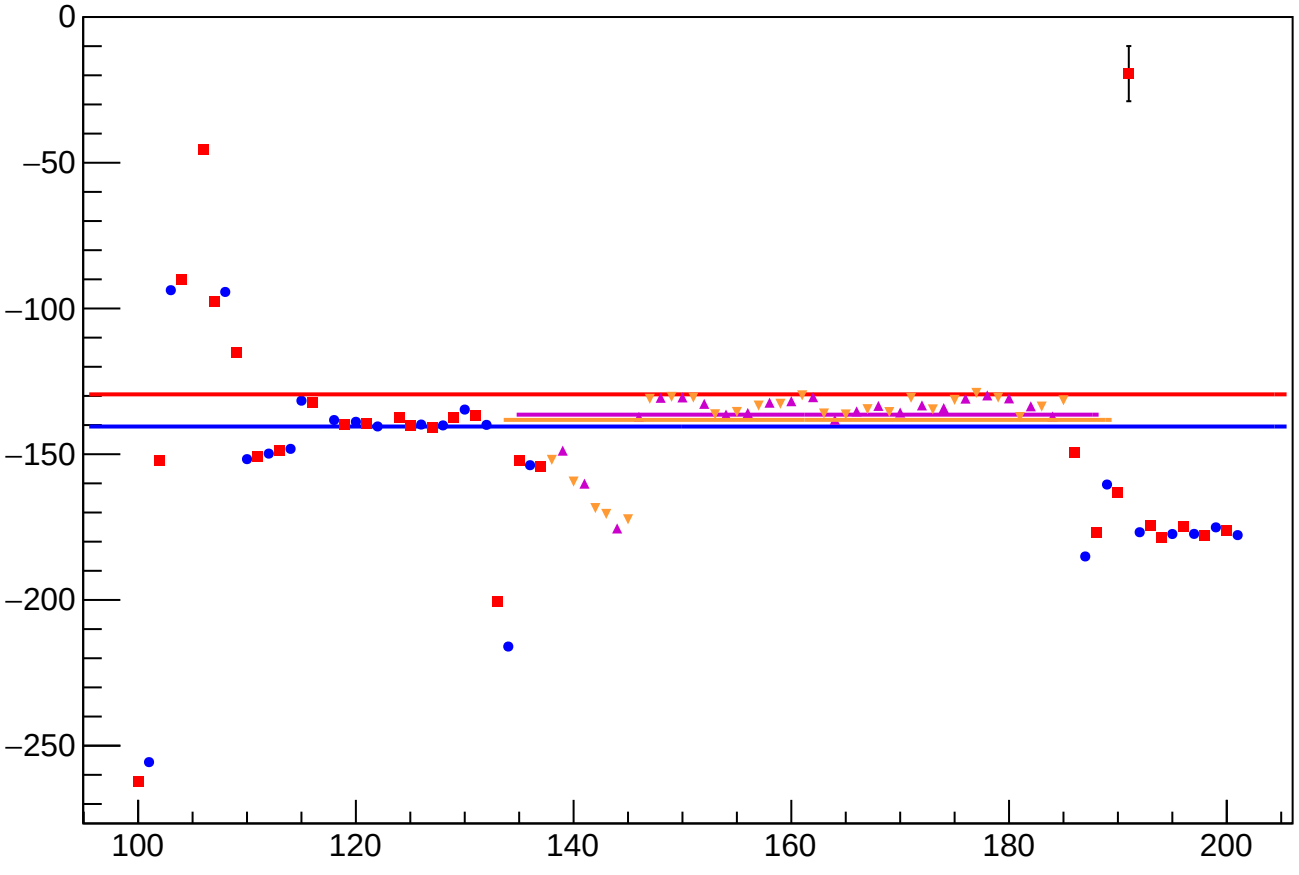
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 55.762+/-0.792 χ^2/NDF: 1194.3/47

All: 54.907+/-0.559 χ^2/NDF: 2334.5/98

- sign 54.055+/-0.790 χ^2/NDF: 1137.9/50

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: -129.463+/-0.075 χ^2/NDF: 315558.3/27

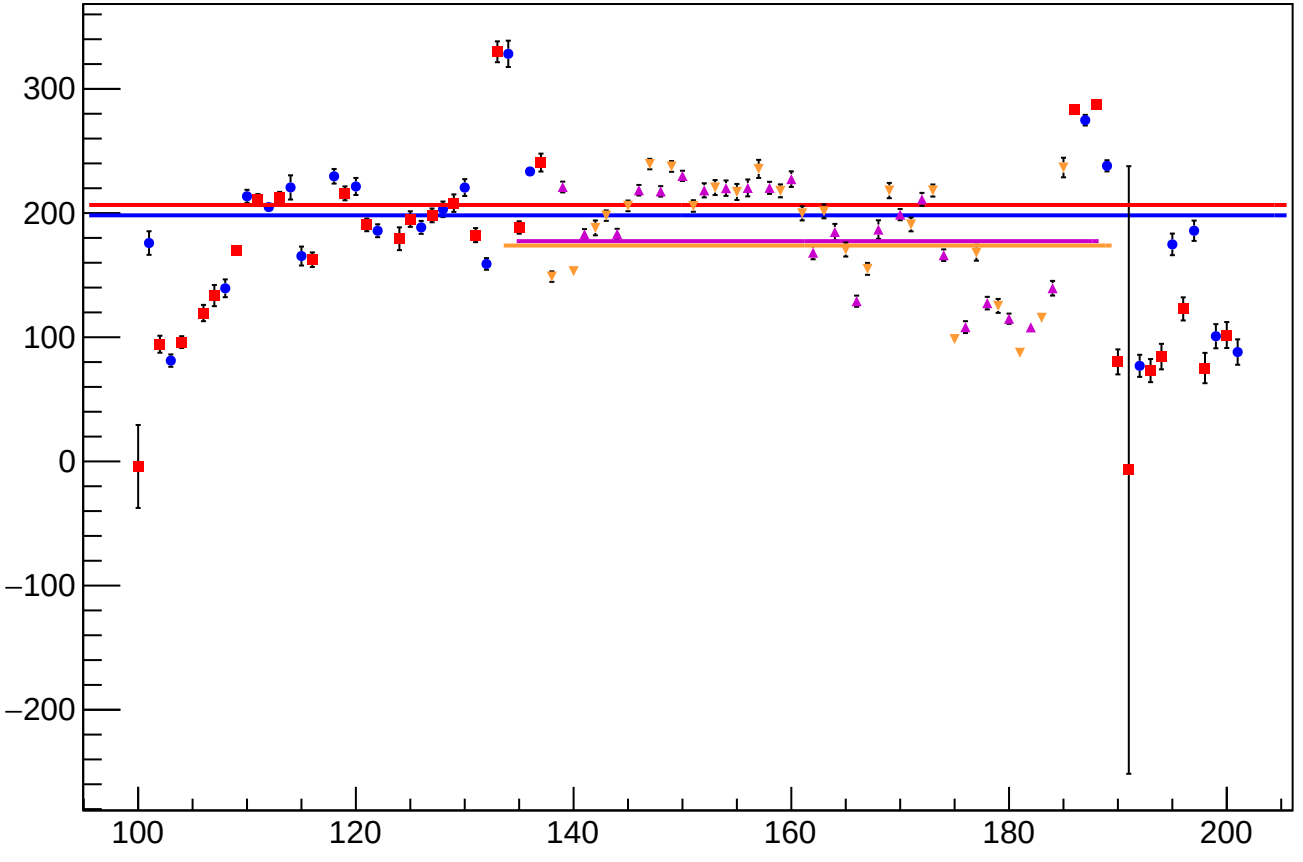
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -138.721+/-0.038 χ^2/NDF: 313163.0/47

All: -136.699+/-0.026 χ^2/NDF: 690781.3/98

- sign -134.712+/-0.037 χ^2/NDF: 371863.1/50

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: 206.519+/-1.059 χ^2/NDF: 4009.2/27

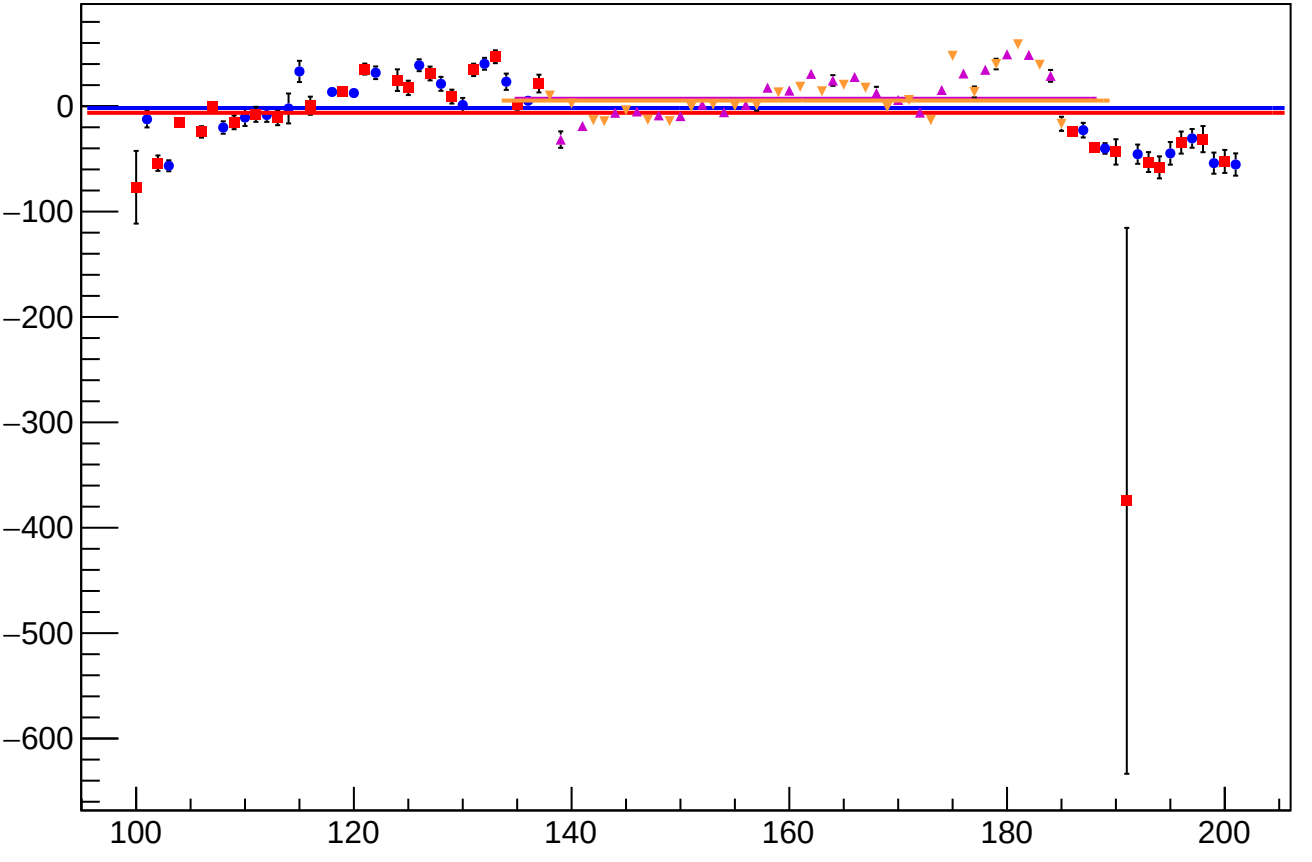
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 183.172+/-0.756 χ^2/NDF: 4725.2/47

All: 187.283+/-0.523 χ^2/NDF: 11155.6/98

- sign 191.068+/-0.725 χ^2/NDF: 6373.6/50

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: -6.274+/-1.161 χ^2/NDF: 569.1/27

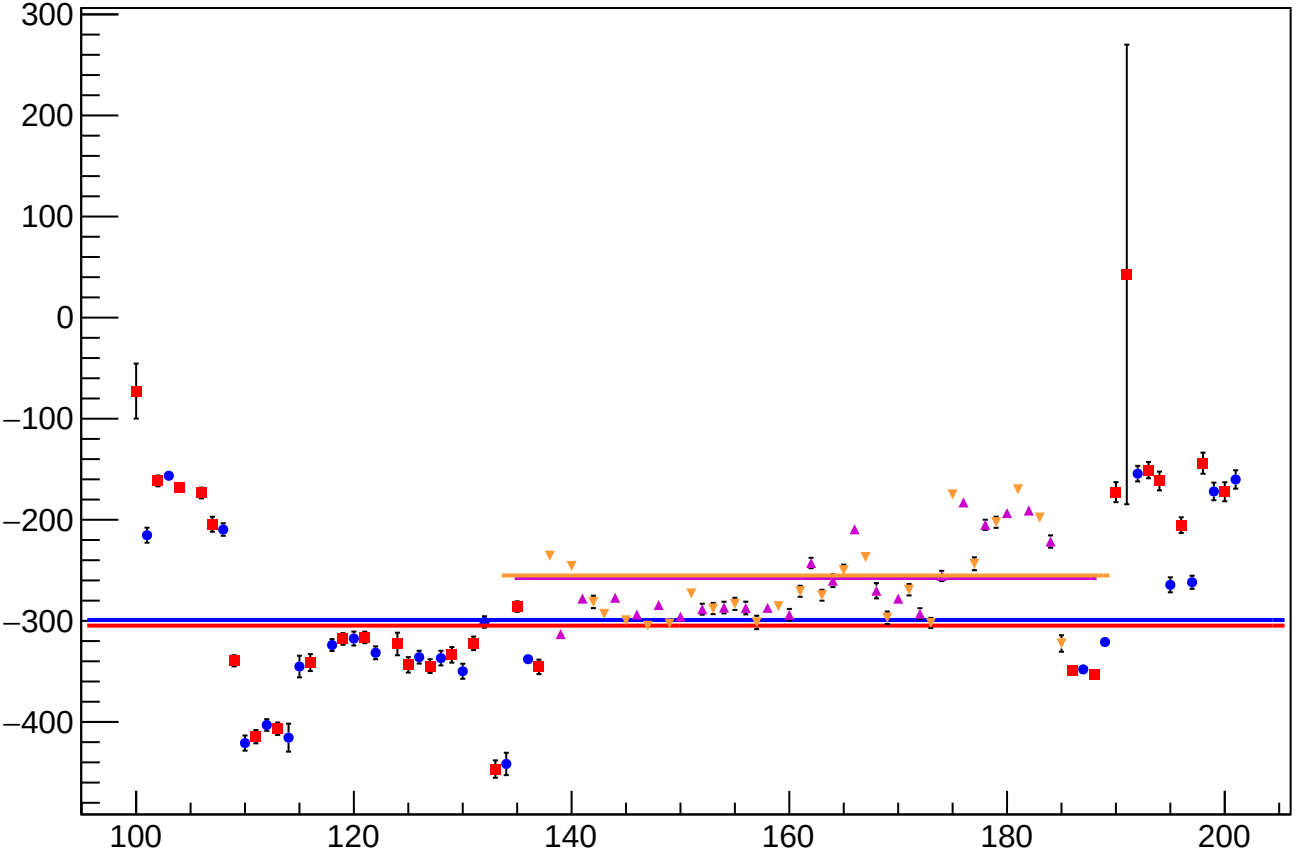
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

\+ sign 3.739+/-0.623 χ^2/NDF: 1331.8/47

All: 3.468+/-0.441 χ^2/NDF: 2704.7/98

\- sign 3.197+/-0.625 χ^2/NDF: 1372.5/50

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: -304.702+/-1.022 χ^2/NDF: 6220.5/27

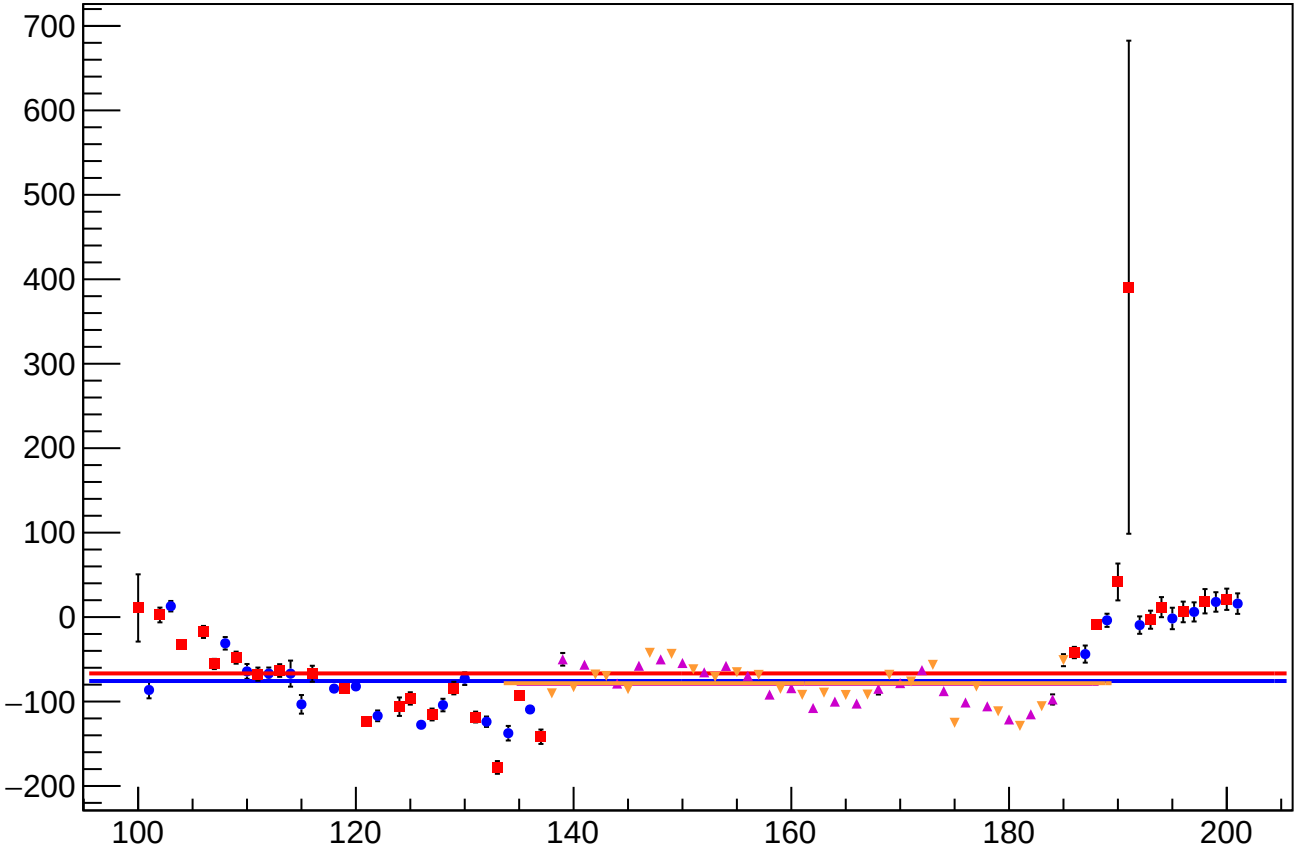
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -271.769+/-0.754 χ^2/NDF: 7021.3/47

All: -276.284+/-0.517 χ^2/NDF: 16218.5/98

- sign -280.275+/-0.709 χ^2/NDF: 9129.7/50

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: -66.699+/-1.404 χ^2/NDF: 1143.4/27

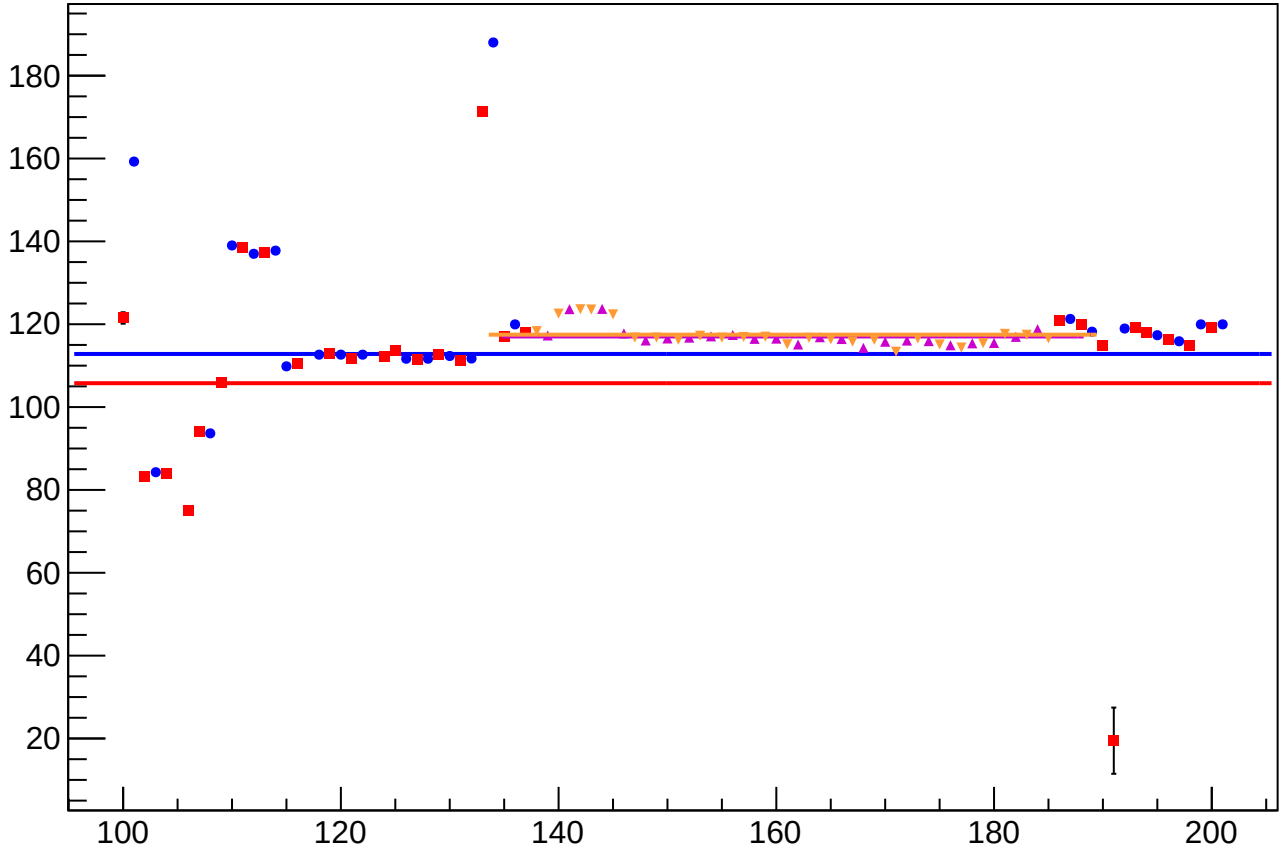
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -77.712+/-0.722 χ^2/NDF: 1783.8/47

All: -76.740+/-0.512 χ^2/NDF: 3690.3/98

- sign -75.756+/-0.726 χ^2/NDF: 1902.9/50

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: 105.763+/-0.069 χ^2/NDF: 75174.8/27

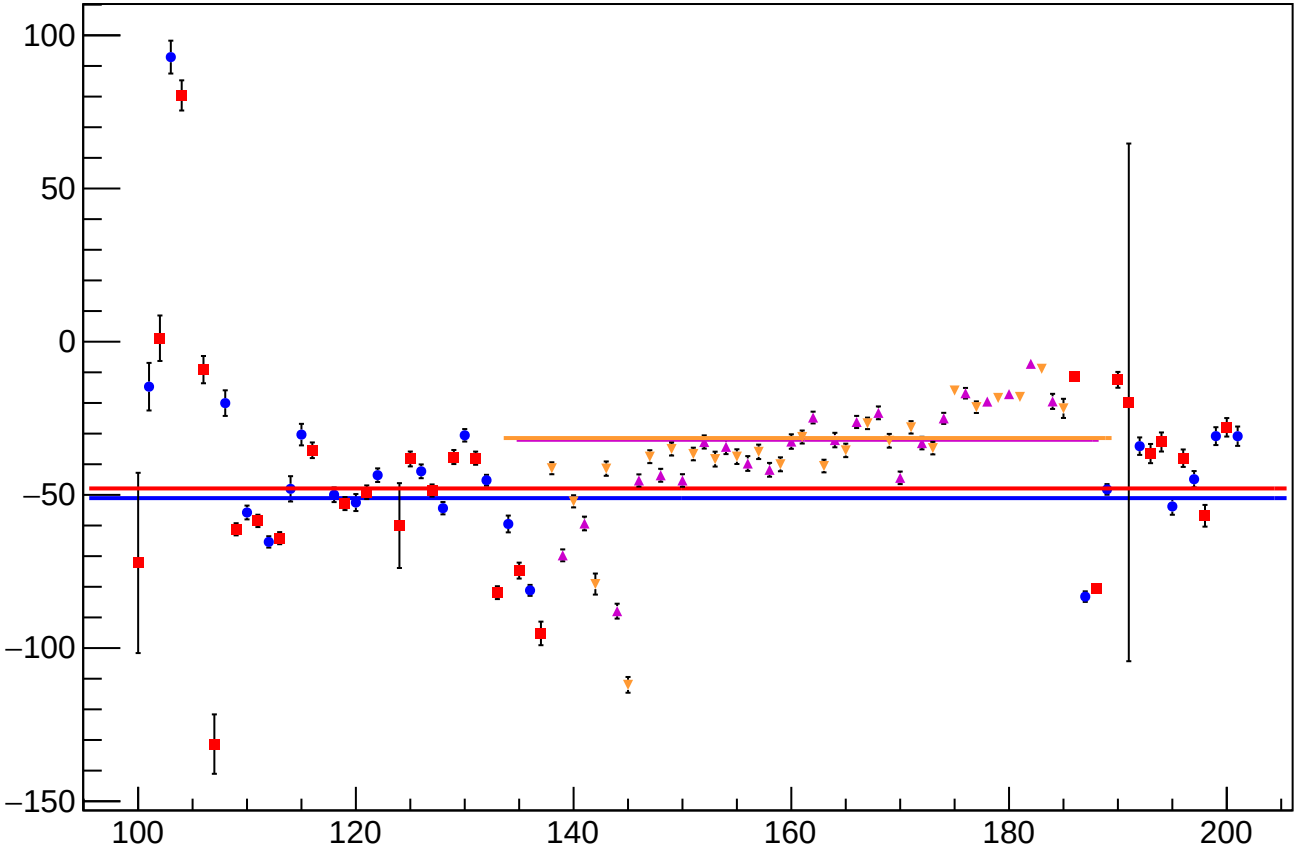
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.493+/-0.034 χ^2/NDF: 93932.6/47

All: 115.420+/-0.024 χ^2/NDF: 194869.5/98

- sign 114.351+/-0.034 χ^2/NDF: 98918.6/50

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: -47.898+/-0.434 χ^2/NDF: 4182.4/27

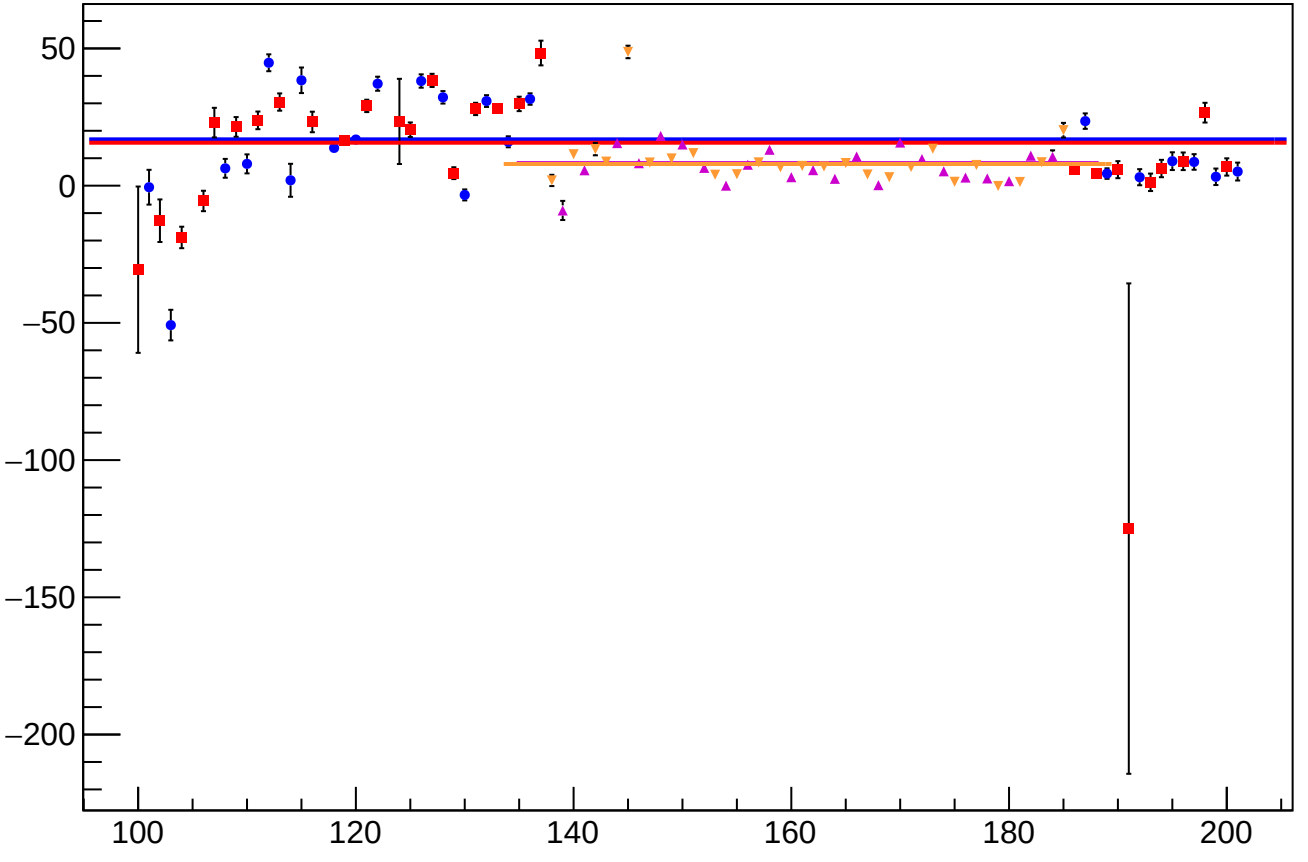
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -39.048+/-0.312 χ^2/NDF: 4738.7/47

All: -39.273+/-0.216 χ^2/NDF: 11543.8/98

- sign -39.479+/-0.298 χ^2/NDF: 6804.1/50

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: 15.653+/-0.483 χ^2/NDF: 682.1/27

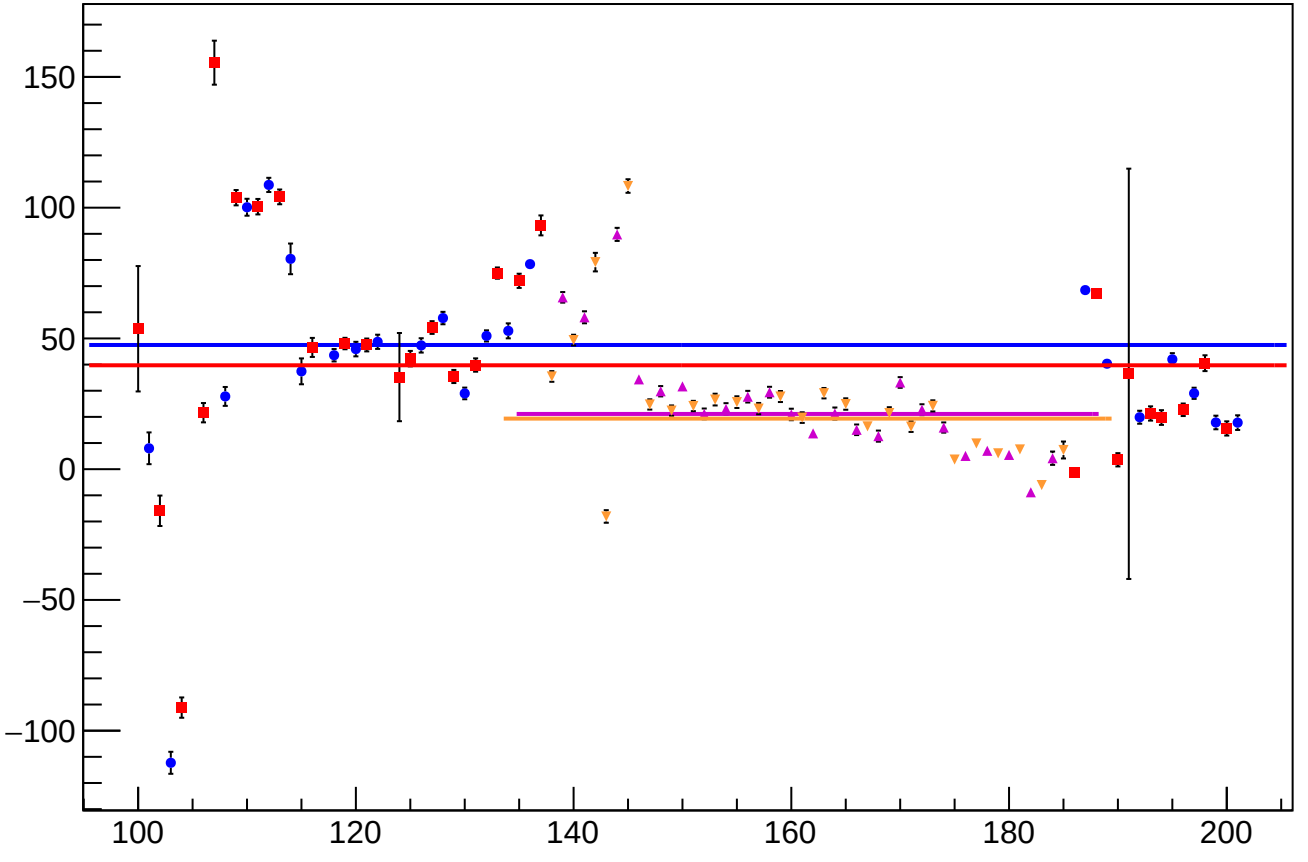
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.140+/-0.263 χ^2/NDF: 1490.0/47

All: 10.291+/-0.186 χ^2/NDF: 2677.2/98

\- sign 10.444+/-0.264 χ^2/NDF: 1186.6/50

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: 39.729+/-0.415 χ^2/NDF: 7491.8/27

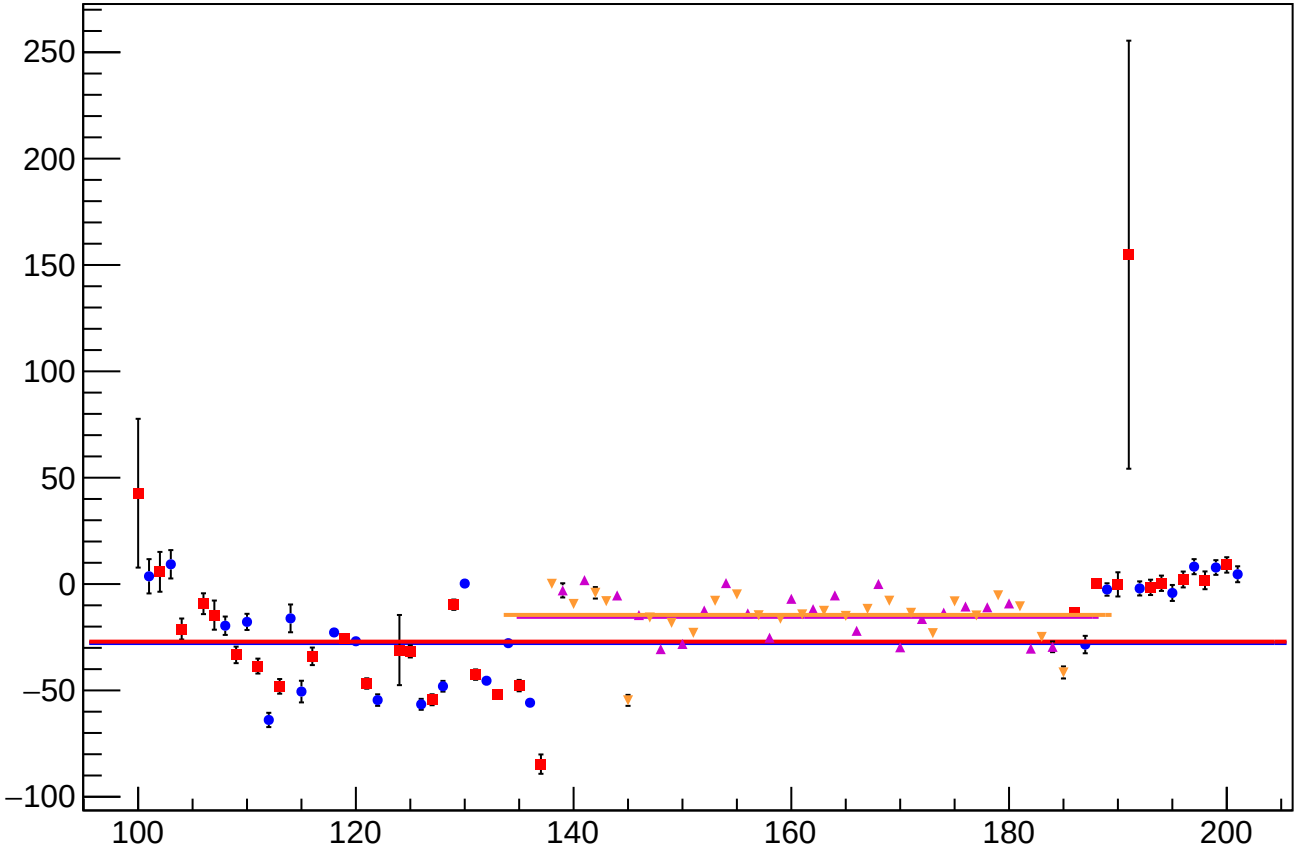
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 29.937+/-0.312 χ^2/NDF: 7990.4/47

All: 30.069+/-0.212 χ^2/NDF: 19016.2/98

- sign 30.184+/-0.290 χ^2/NDF: 11025.4/50

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: -27.068+/-0.591 χ^2/NDF: 1324.8/27

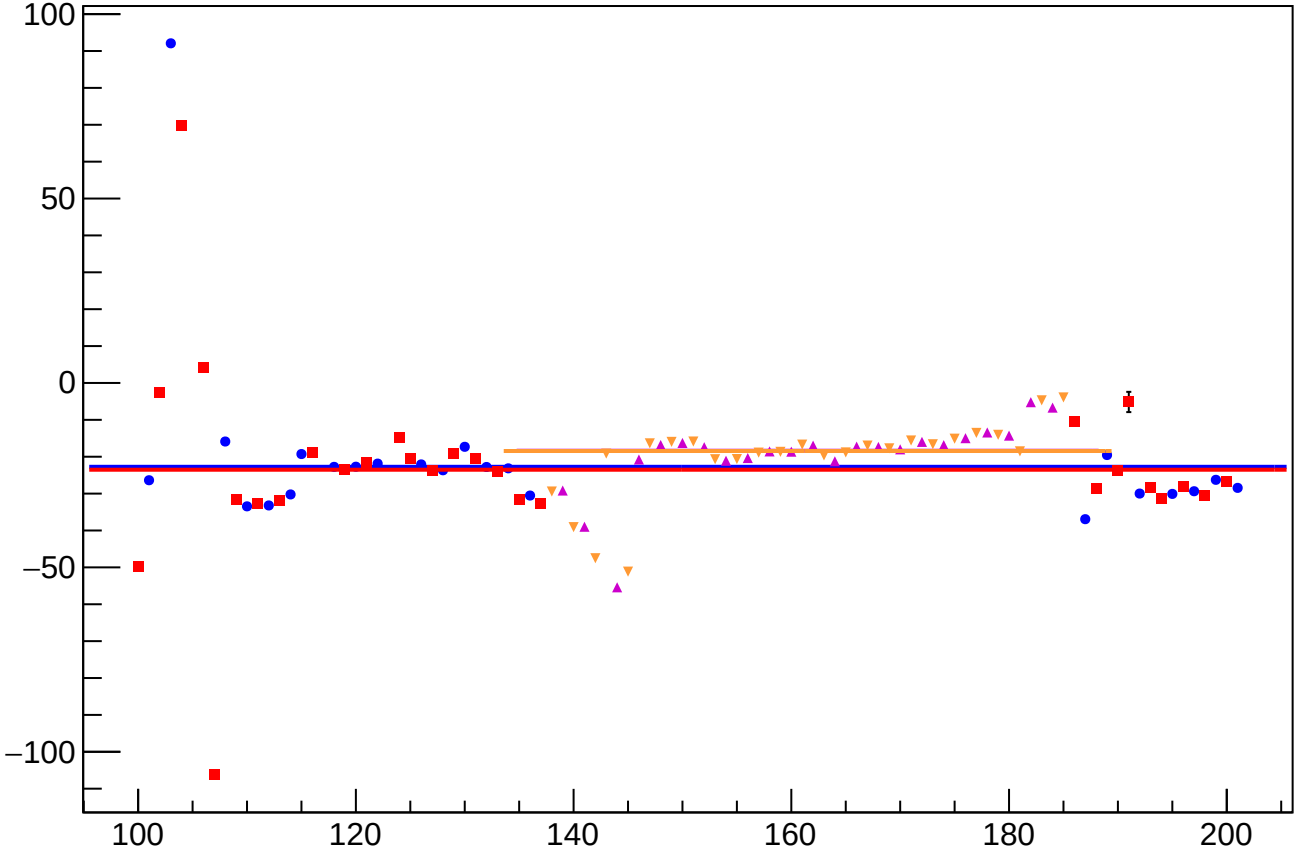
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -17.626+/-0.301 χ^2/NDF: 2330.6/47

All: -18.064+/-0.214 χ^2/NDF: 4744.2/98

- sign -18.513+/-0.304 χ^2/NDF: 2409.2/50

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: -23.527+/-0.031 χ^2/NDF: 378271.0/27

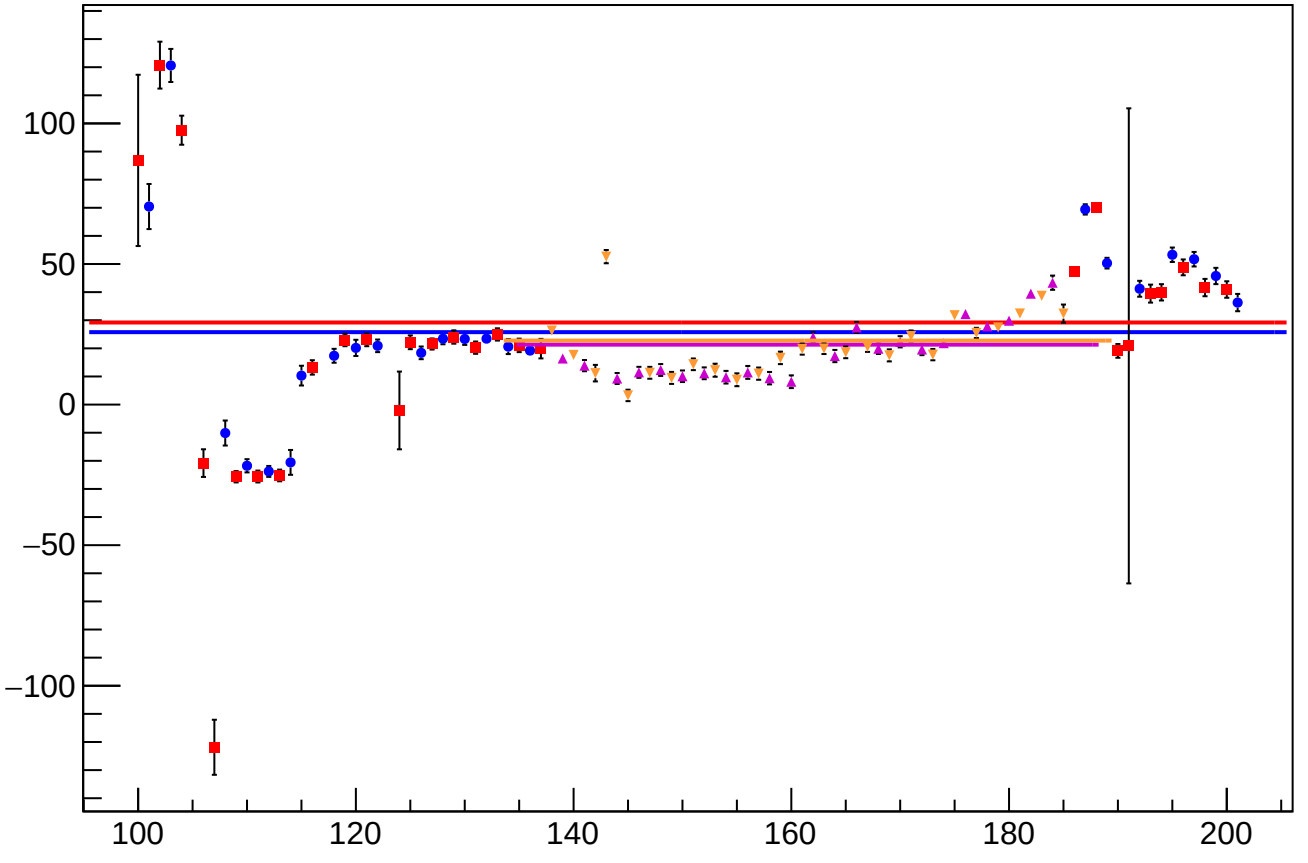
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.306+/-0.014 χ^2/NDF: 770429.0/47

All: -19.375+/-0.010 χ^2/NDF: 1420931.4/98

- sign -19.445+/-0.014 χ^2/NDF: 650452.9/50

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: 29.201+/-0.454 χ^2/NDF: 4639.2/27

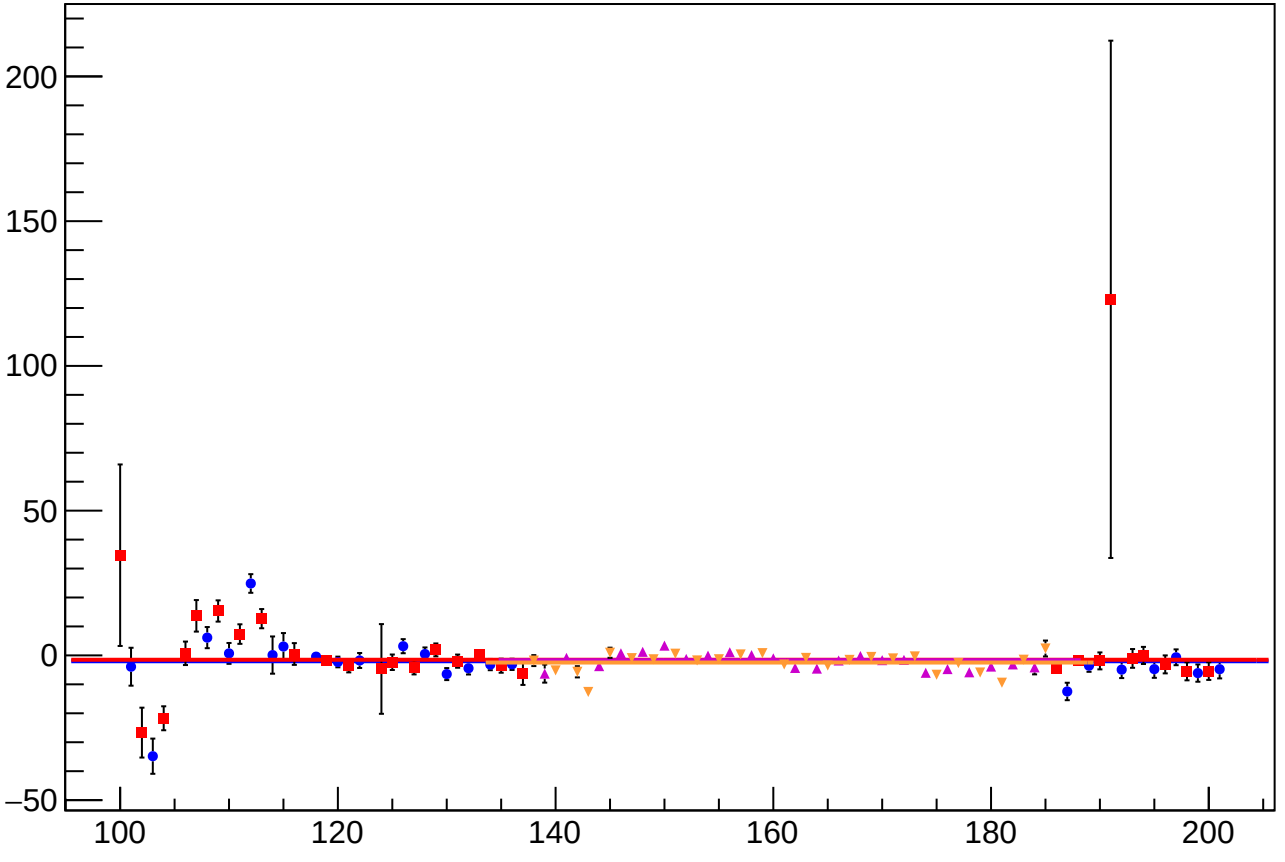
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 23.851+/-0.306 χ^2/NDF: 3375.3/47

All: 24.285+/-0.213 χ^2/NDF: 8820.4/98

- sign 24.695+/-0.297 χ^2/NDF: 5441.2/50

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: -1.509+/-0.503 χ^2/NDF: 105.3/27

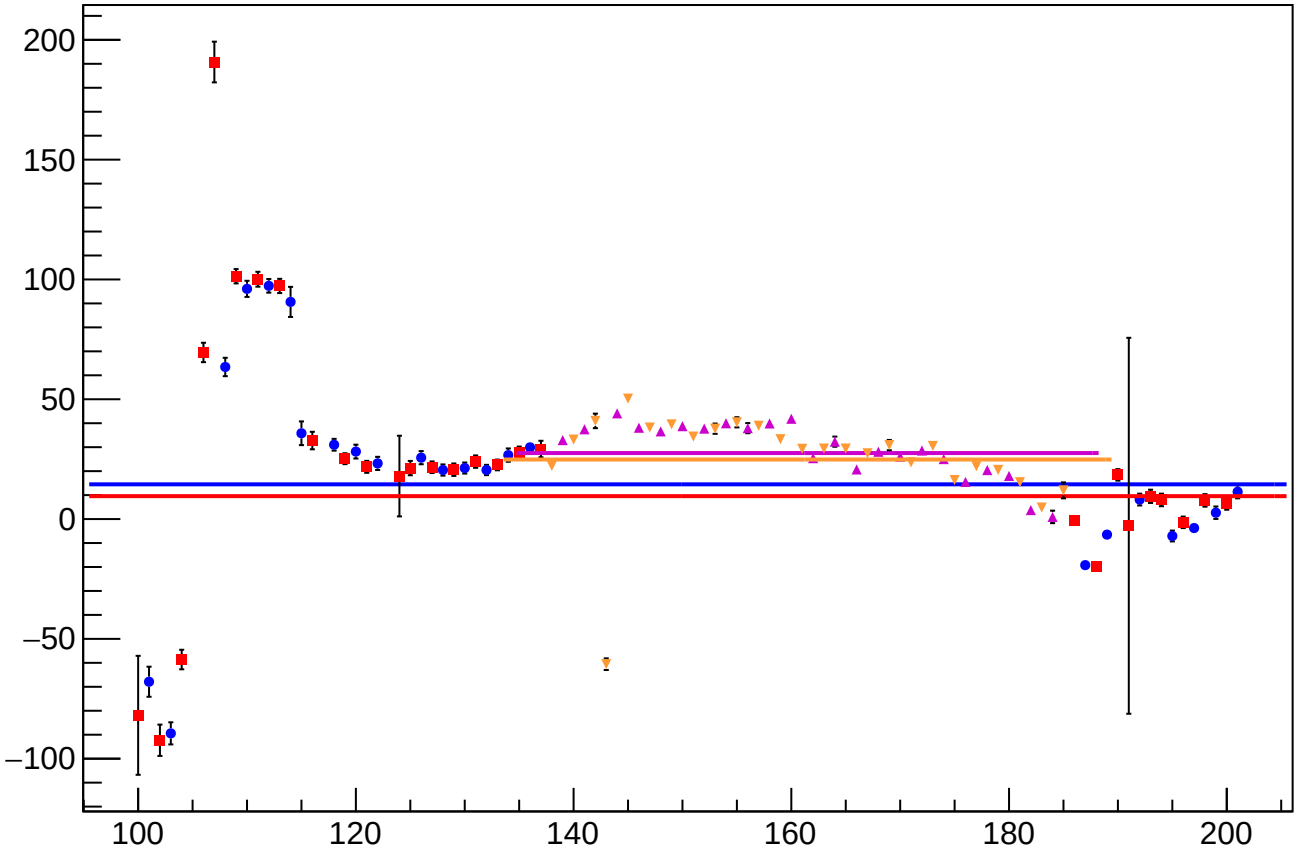
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.365+/-0.257 χ^2/NDF: 253.6/47

All: -1.997+/-0.183 χ^2/NDF: 433.3/98

- sign -1.619+/-0.260 χ^2/NDF: 175.6/50

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: 9.561+/-0.441 χ^2/NDF: 5480.8/27

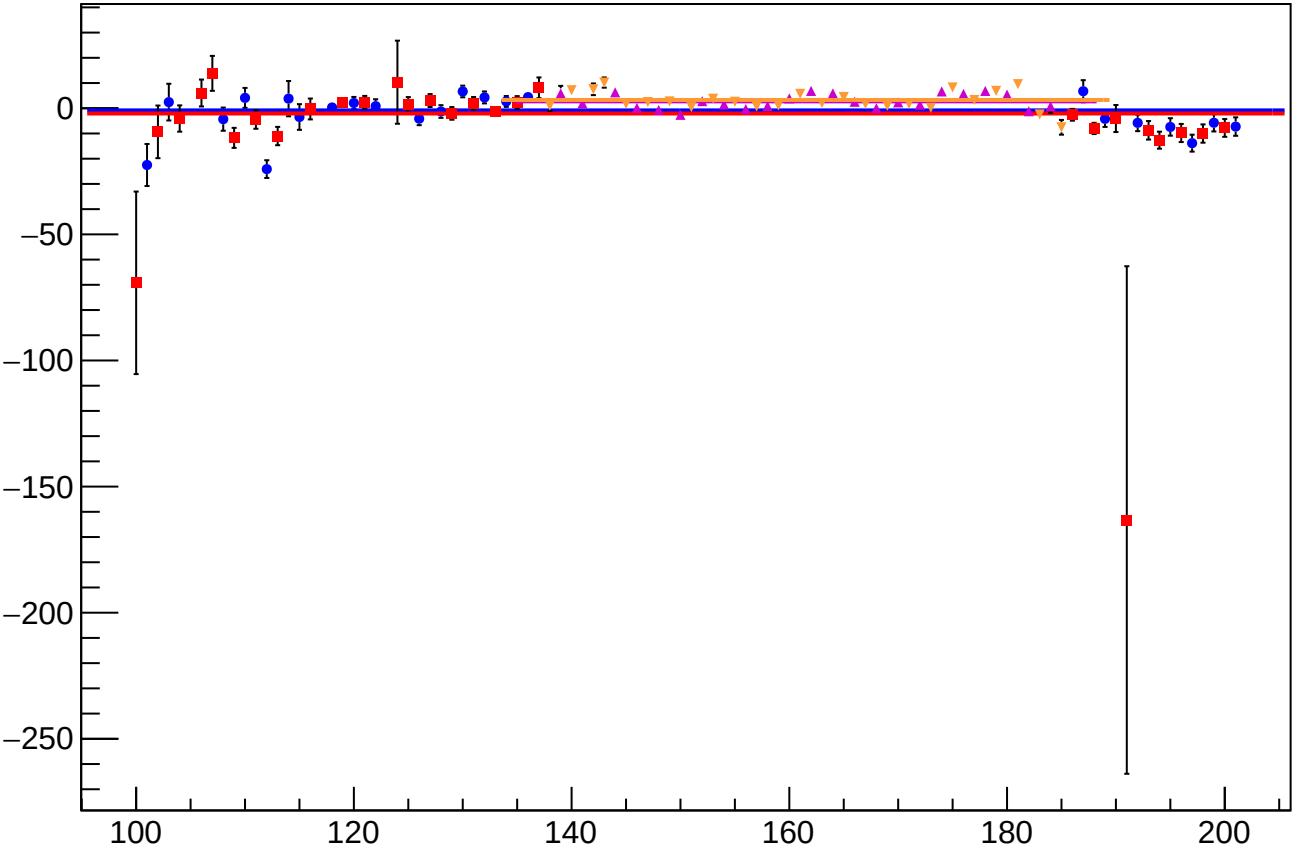
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 21.231+/-0.306 χ^2/NDF: 5830.5/47

All: 20.421+/-0.211 χ^2/NDF: 13142.3/98

- sign 19.685+/-0.292 χ^2/NDF: 7298.4/50

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: -2.079+/-0.607 χ^2/NDF: 86.0/27

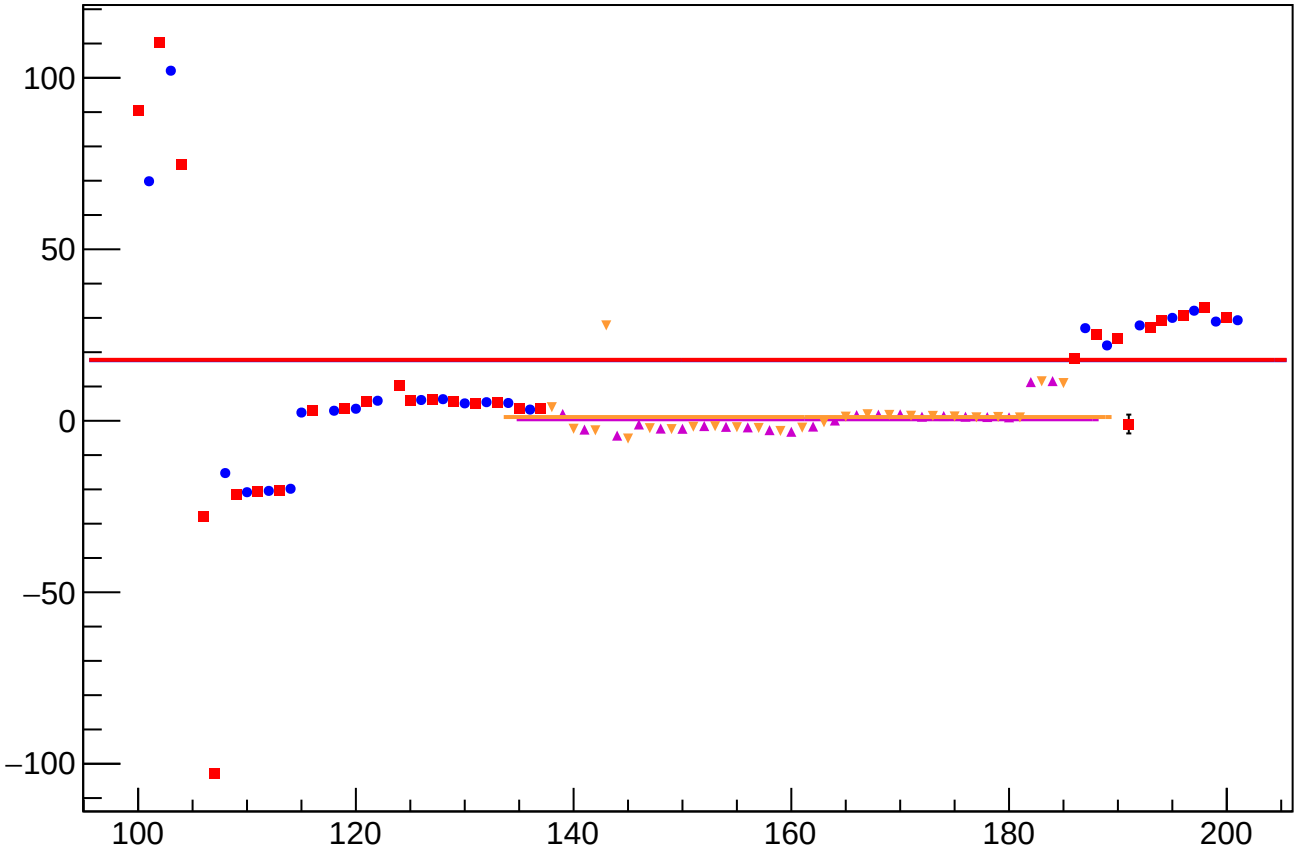
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.372+/-0.292 χ^2/NDF: 253.6/47

All: 1.979+/-0.209 χ^2/NDF: 465.5/98

- sign 1.570+/-0.298 χ^2/NDF: 208.2/50

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: 17.773+/-0.031 χ^2/NDF: 595409.0/27

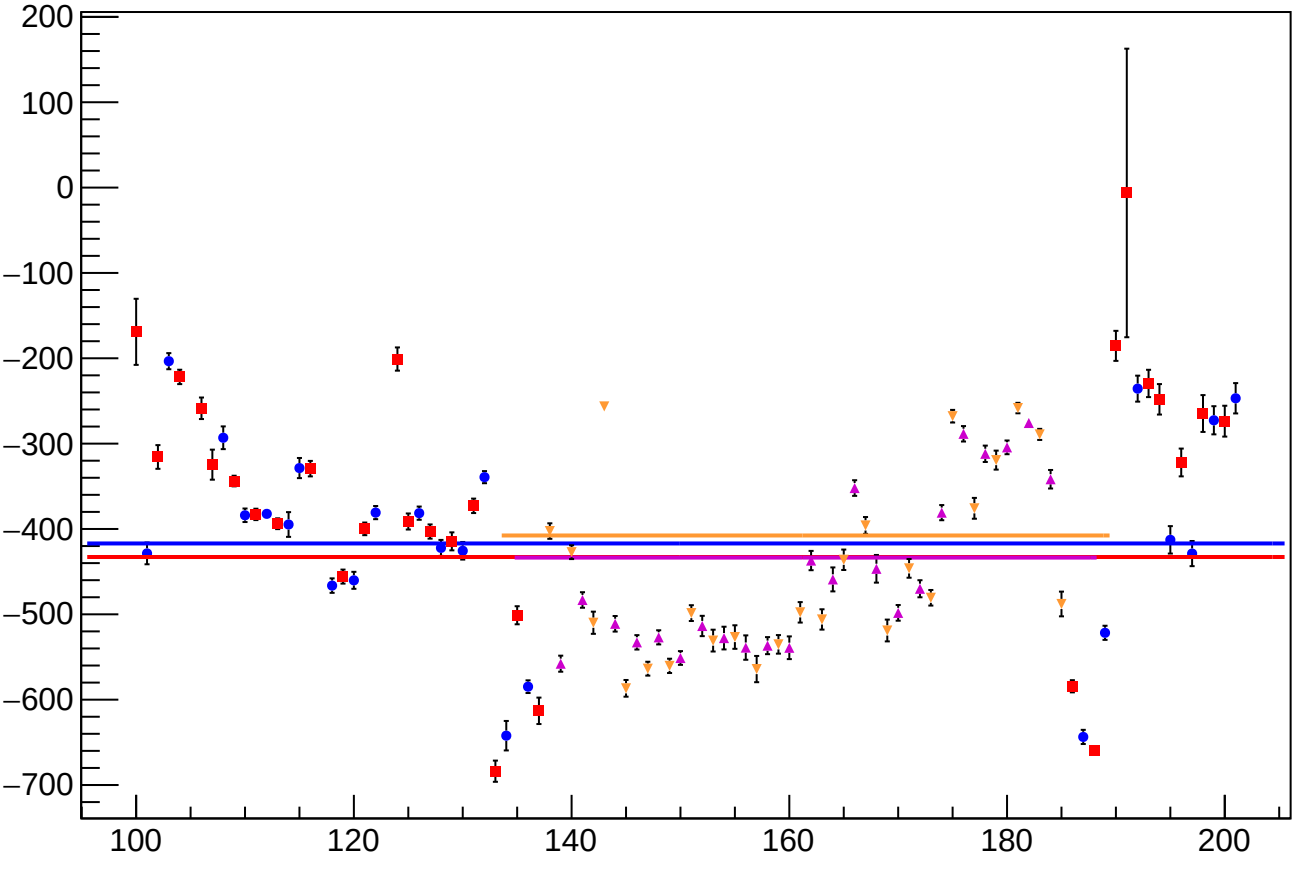
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 4.276+/-0.013 χ^2/NDF: 821939.5/47

All: 4.056+/-0.009 χ^2/NDF: 1729266.0/98

- sign 3.830+/-0.014 χ^2/NDF: 906776.1/50

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: -432.844+/-1.789 χ^2/NDF: 6168.7/27

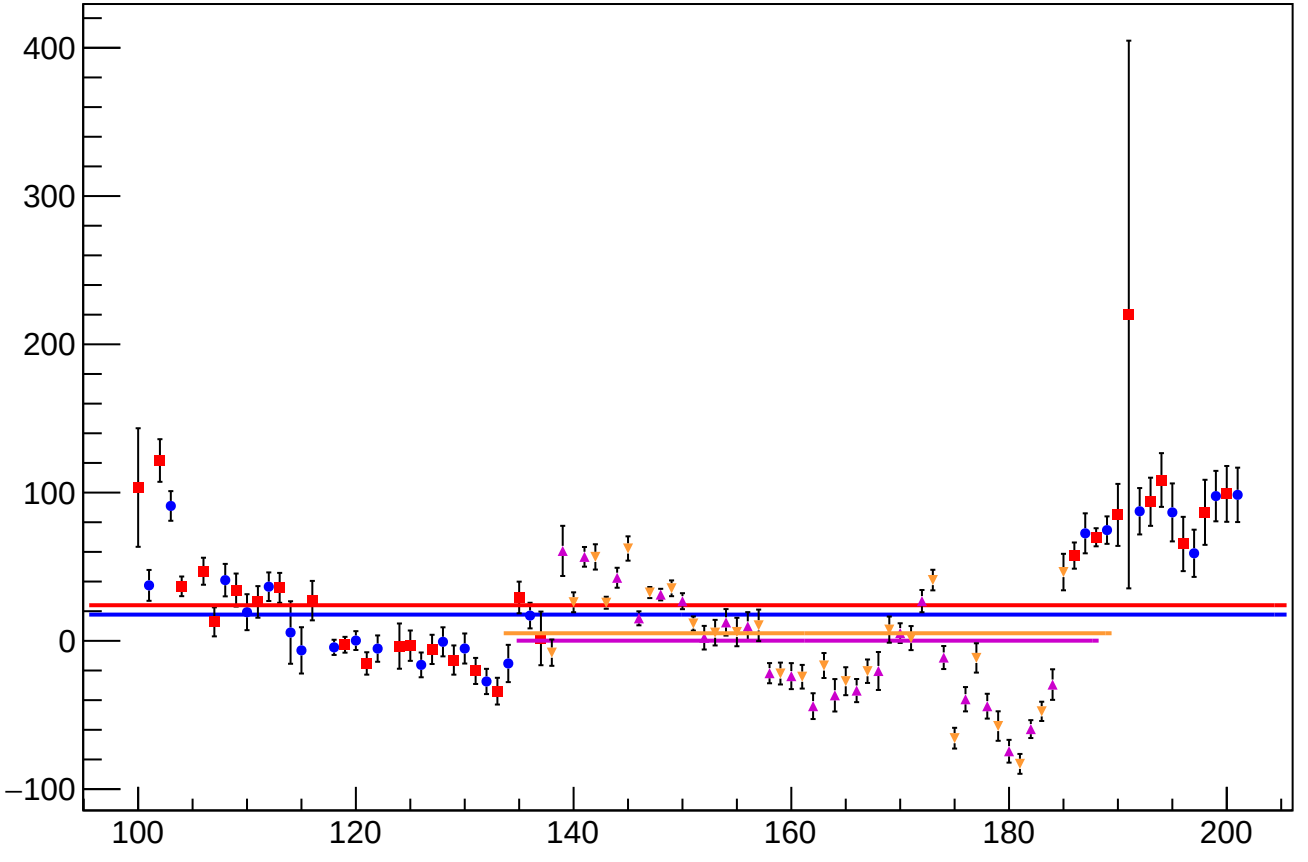
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -411.964+/-1.367 χ^2/NDF: 6841.8/47

All: -422.833+/-0.954 χ^2/NDF: 15858.4/98

- sign -433.150+/-1.332 χ^2/NDF: 8893.3/50

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: 24.026+/-1.947 χ^2/NDF: 367.5/27

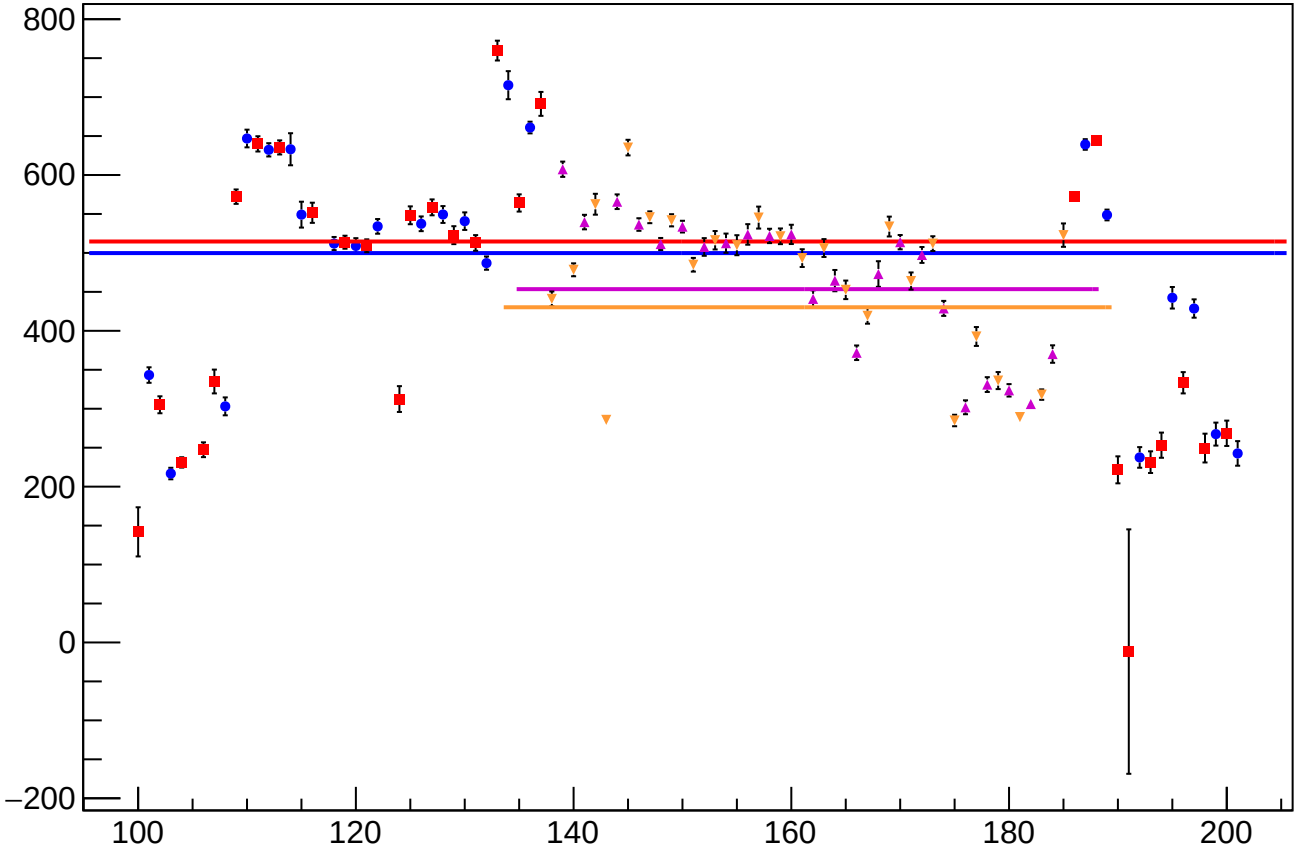
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 8.944+/-1.151 χ^2/NDF: 1010.6/47

All: 8.947+/-0.825 χ^2/NDF: 2041.7/98

- sign 8.950+/-1.183 χ^2/NDF: 1031.1/50

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: 514.652+/-1.798 χ^2/NDF: 7393.6/27

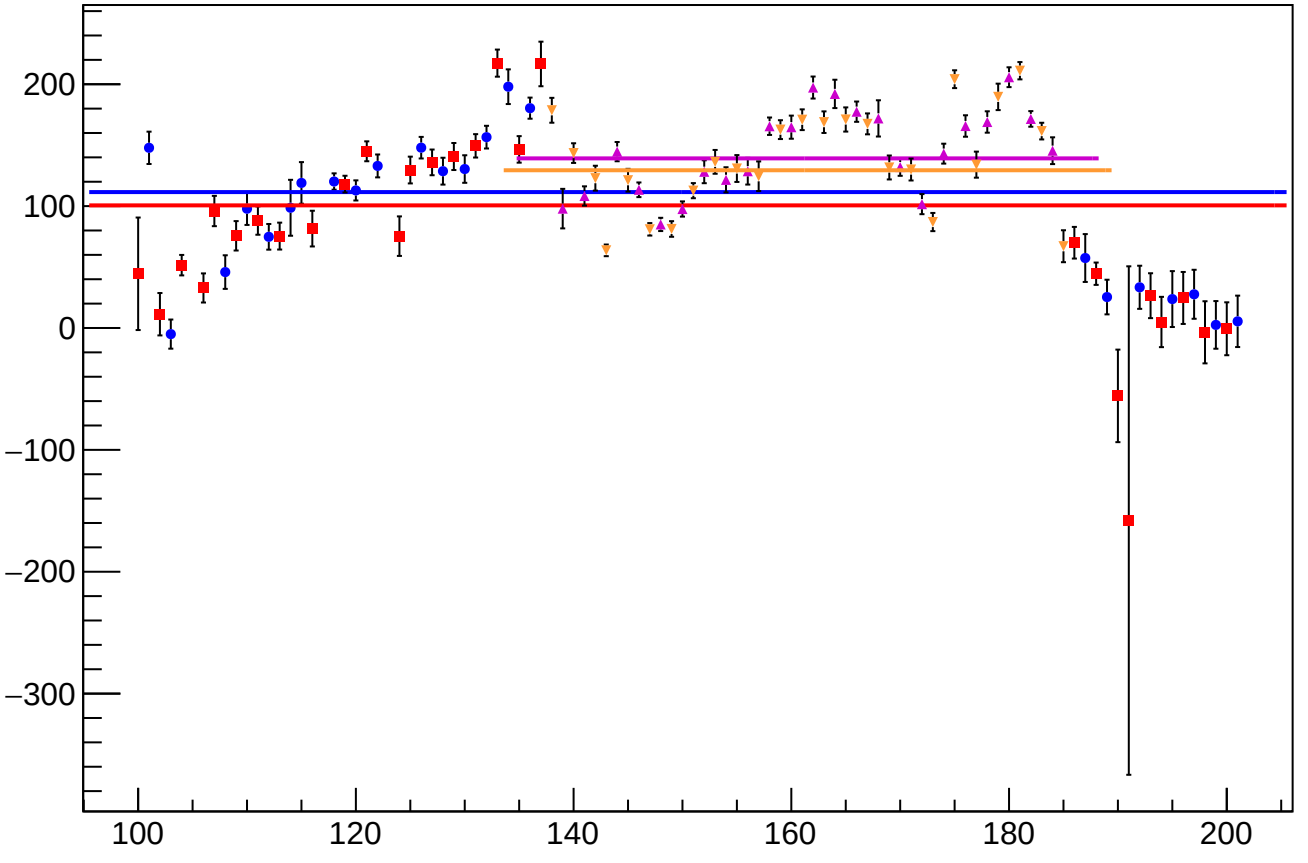
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 461.082+/-1.388 χ^2/NDF: 8588.3/47

All: 474.559+/-0.960 χ^2/NDF: 19106.8/98

- sign 486.916+/-1.329 χ^2/NDF: 10337.8/50

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: 100.607+/-2.330 χ^2/NDF: 520.7/27

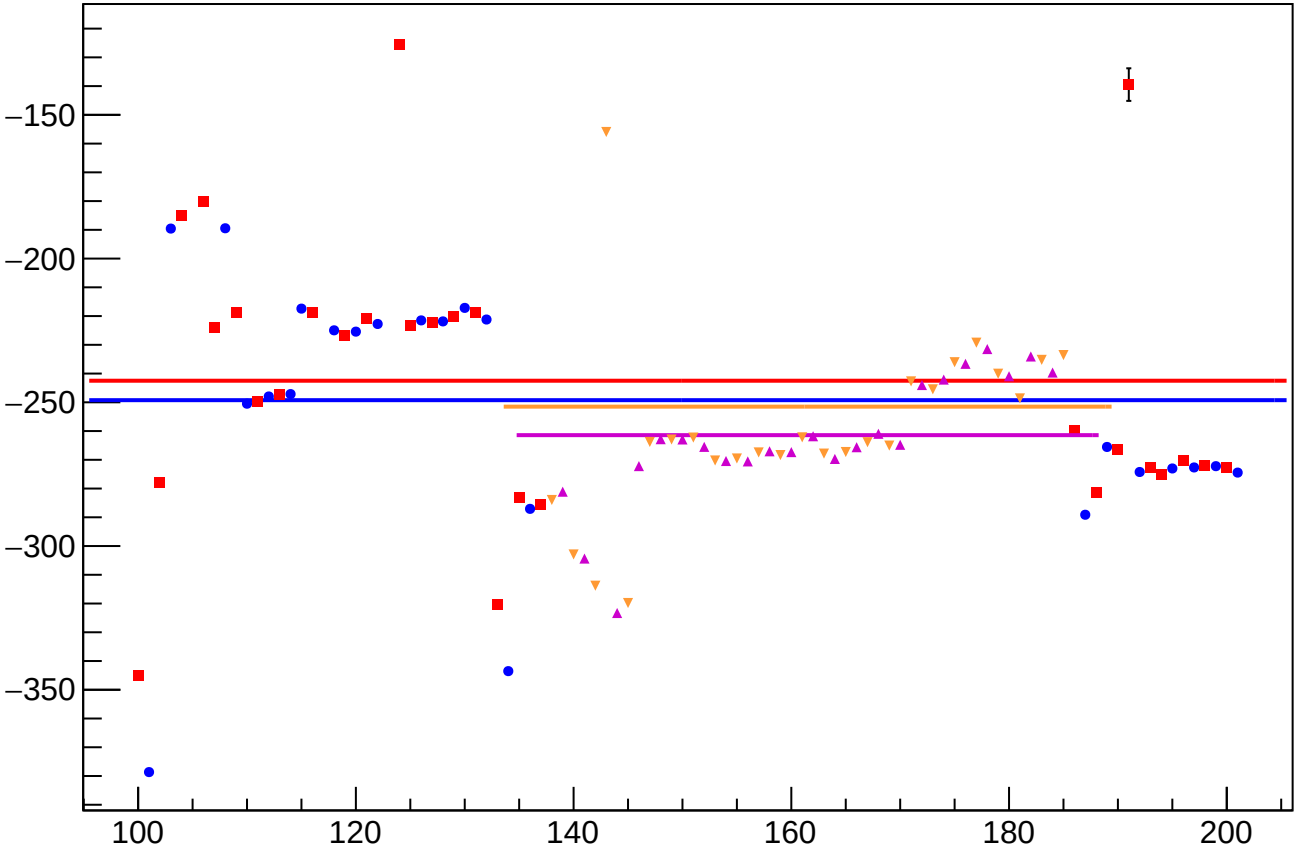
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 124.139+/-1.337 χ^2/NDF: 1295.4/47

All: 124.908+/-0.959 χ^2/NDF: 2429.3/98

- sign 125.722+/-1.376 χ^2/NDF: 1133.2/50

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: -242.490+/-0.124 χ^2/NDF: 109258.4/27

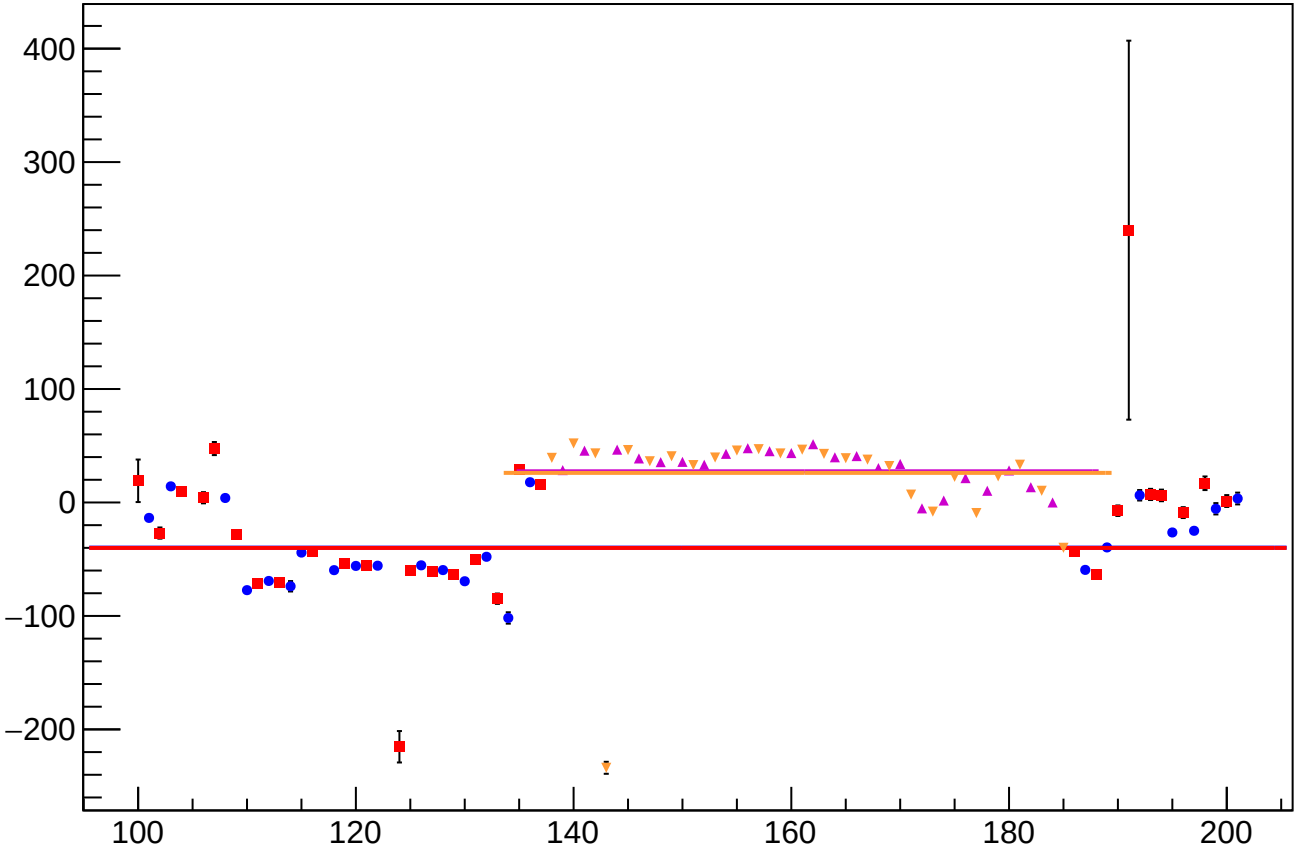
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -250.942+/-0.065 χ^2/NDF: 402404.0/47

All: -253.447+/-0.046 χ^2/NDF: 601040.4/98

- sign -256.064+/-0.066 χ^2/NDF: 195553.3/50

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: -40.063+/-0.559 χ^2/NDF: 3147.8/27

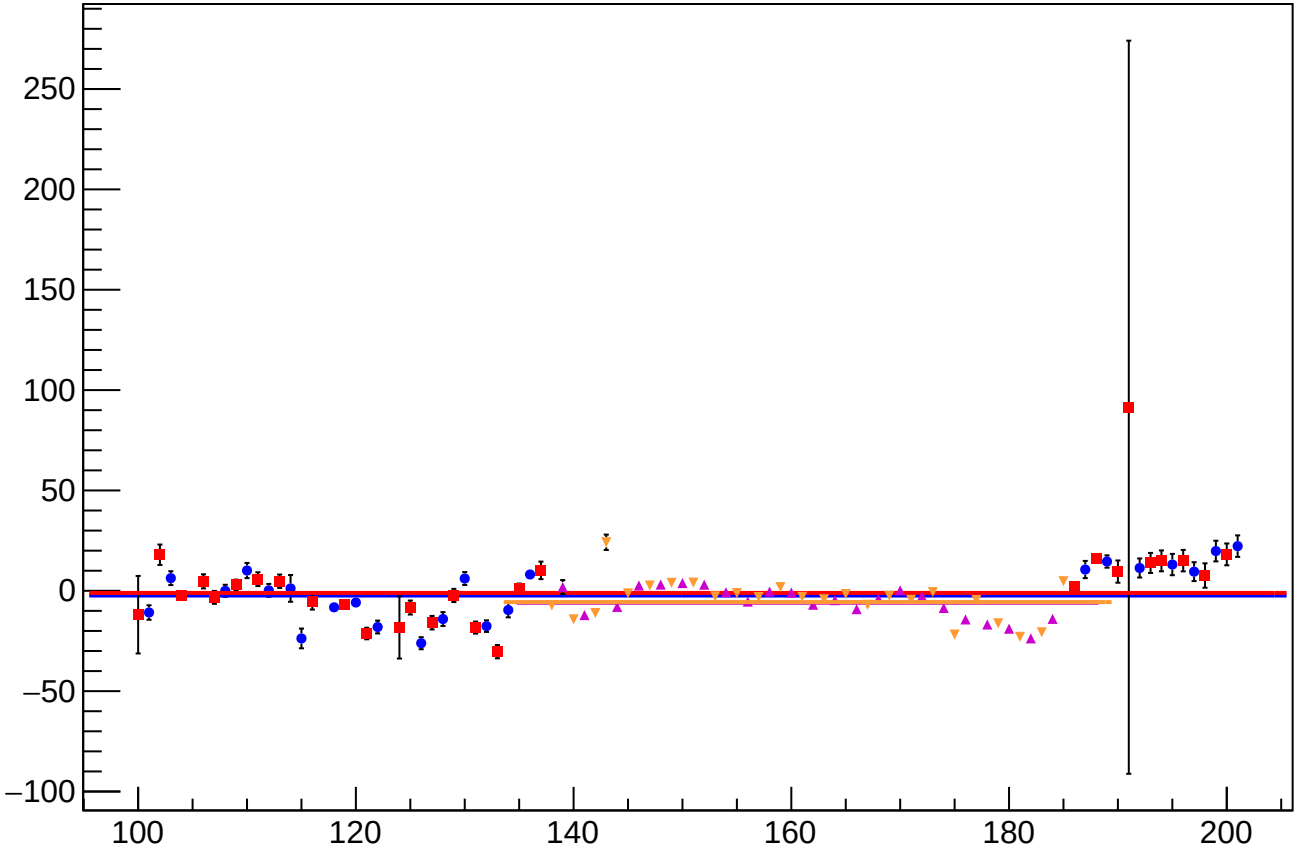
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 8.402+/-0.333 χ^2/NDF: 15164.2/47

All: 6.594+/-0.232 χ^2/NDF: 29707.4/98

- sign 4.896+/-0.323 χ^2/NDF: 14486.1/50

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: -1.057+/-0.633 χ^2/NDF: 342.9/27

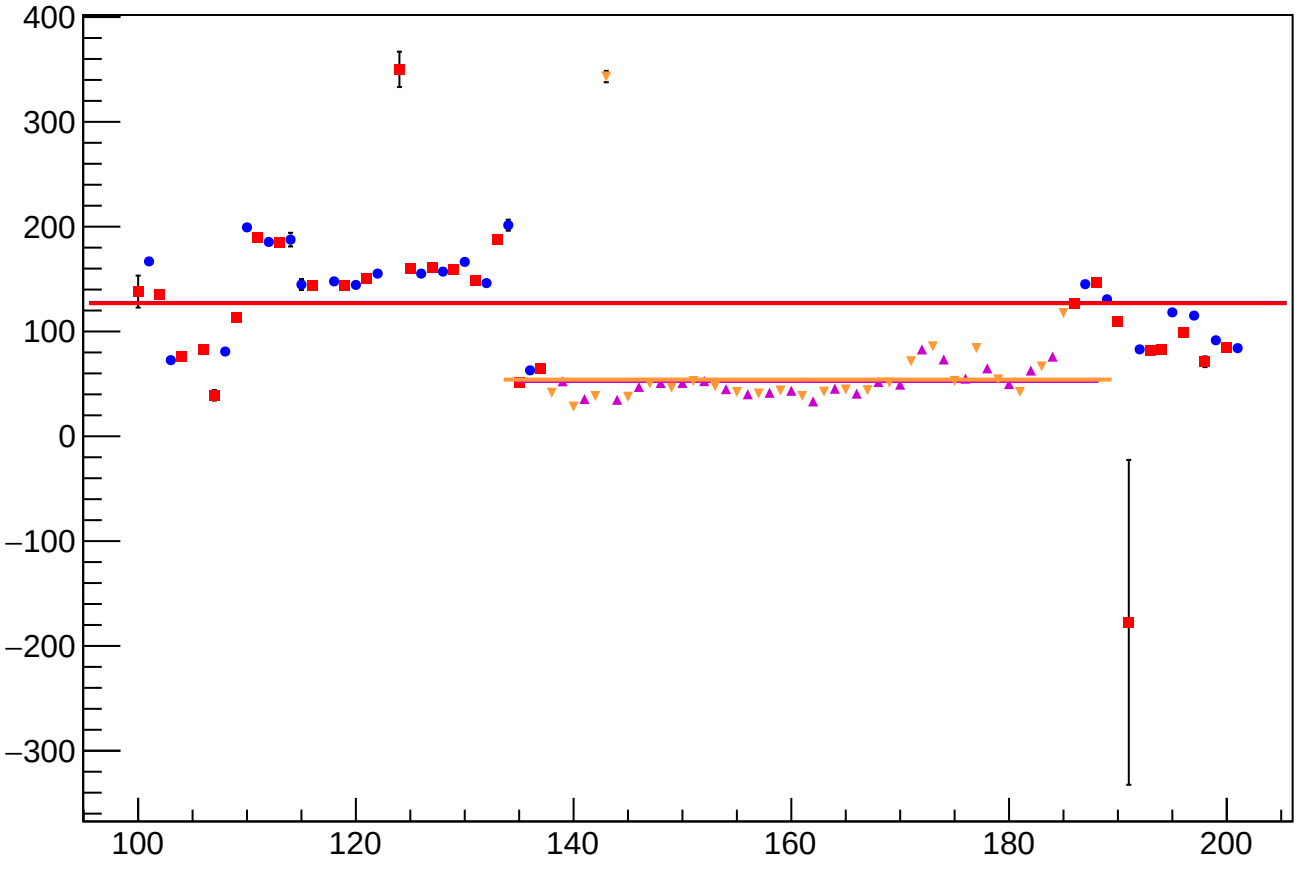
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.096+/-0.276 χ^2/NDF: 1231.1/47

All: -5.049+/-0.196 χ^2/NDF: 2334.4/98

- sign -5.001+/-0.278 χ^2/NDF: 1103.2/50

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: 127.002+/-0.564 χ^2/NDF: 4246.4/27

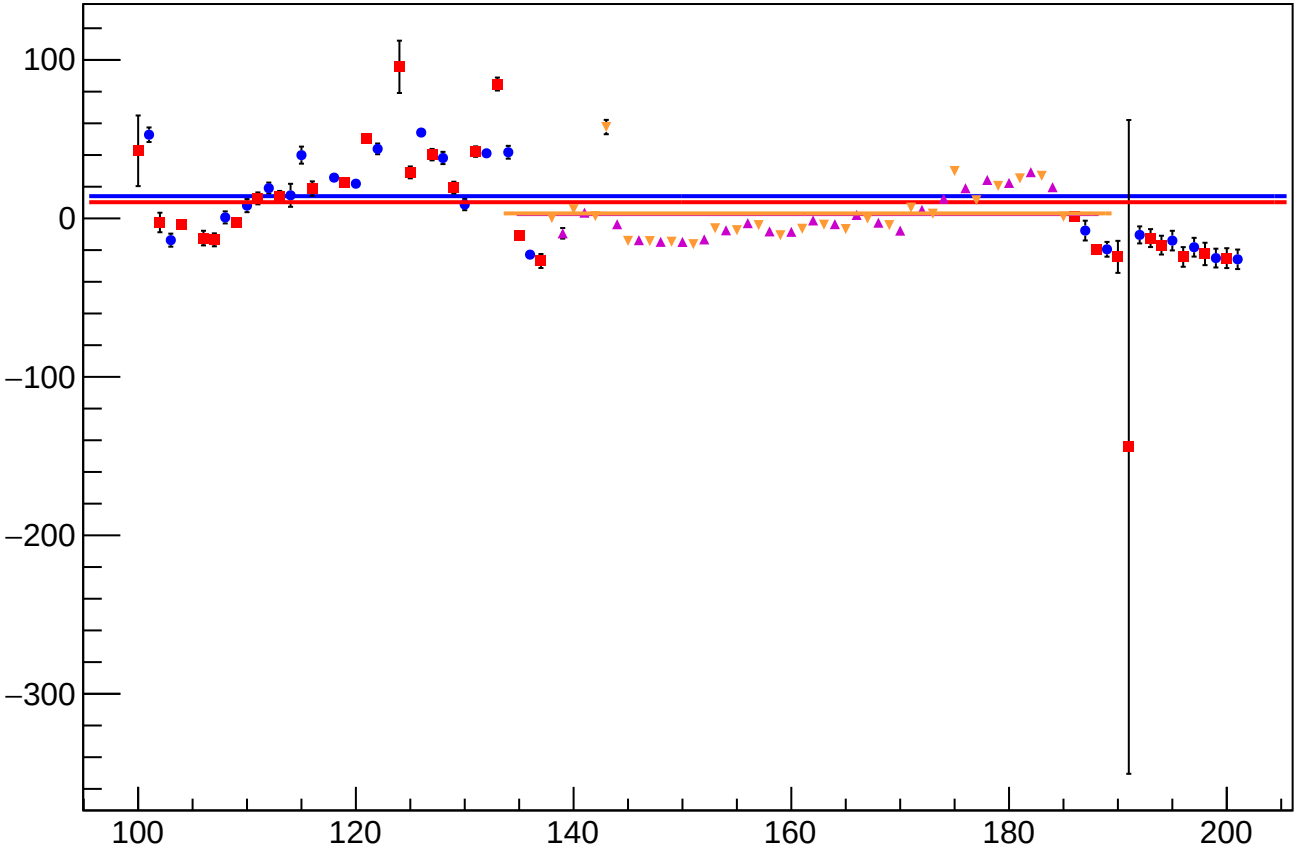
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

\+ sign 72.670+/-0.335 χ^2/NDF: 17629.0/47

All: 74.927+/-0.232 χ^2/NDF: 34603.3/98

\- sign 77.021+/-0.322 χ^2/NDF: 16886.6/50

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: 10.222+/-0.756 χ^2/NDF: 1224.6/27

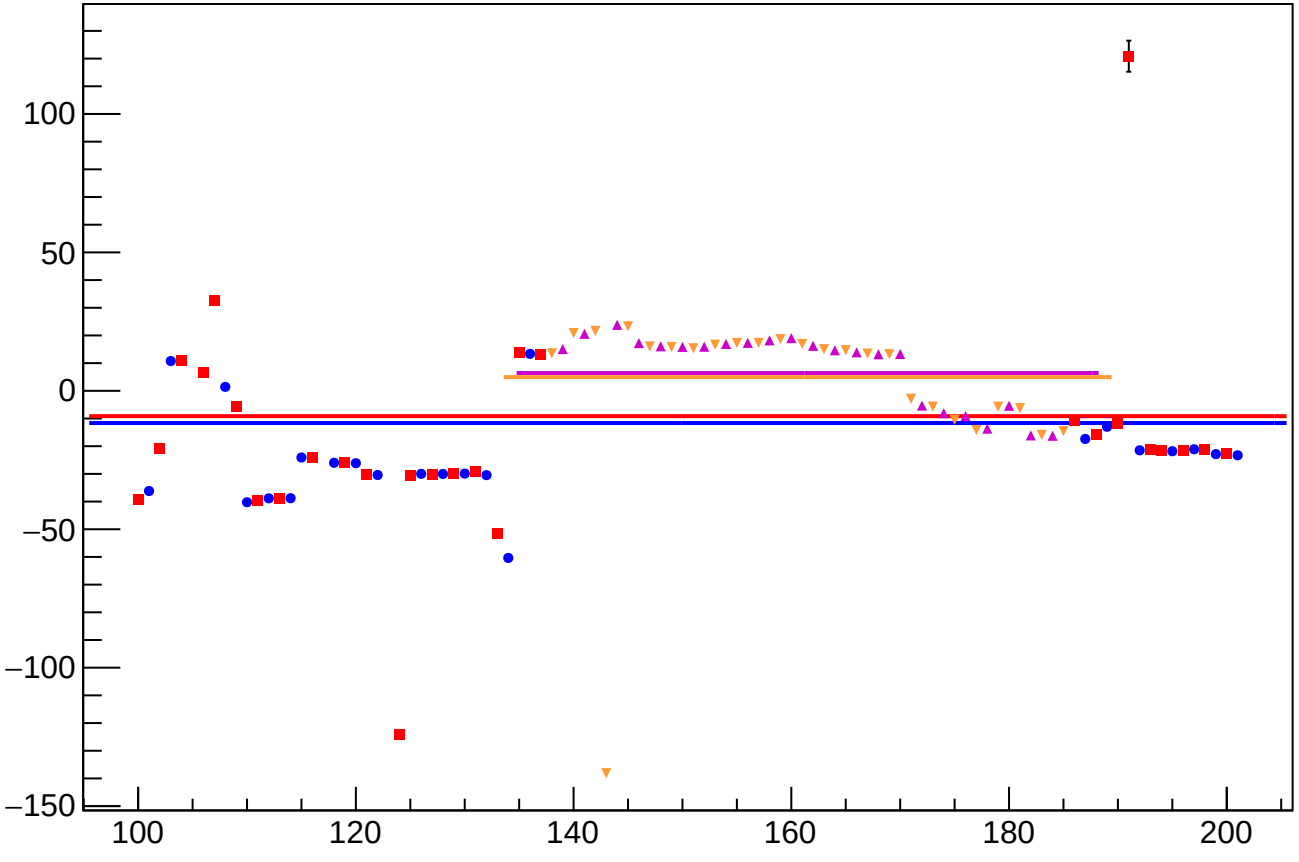
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.824+/-0.313 χ^2/NDF: 3281.3/47

All: 4.428+/-0.222 χ^2/NDF: 6325.6/98

- sign 4.025+/-0.315 χ^2/NDF: 3041.1/50

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: -9.154+/-0.038 χ^2/NDF: 263670.9/27

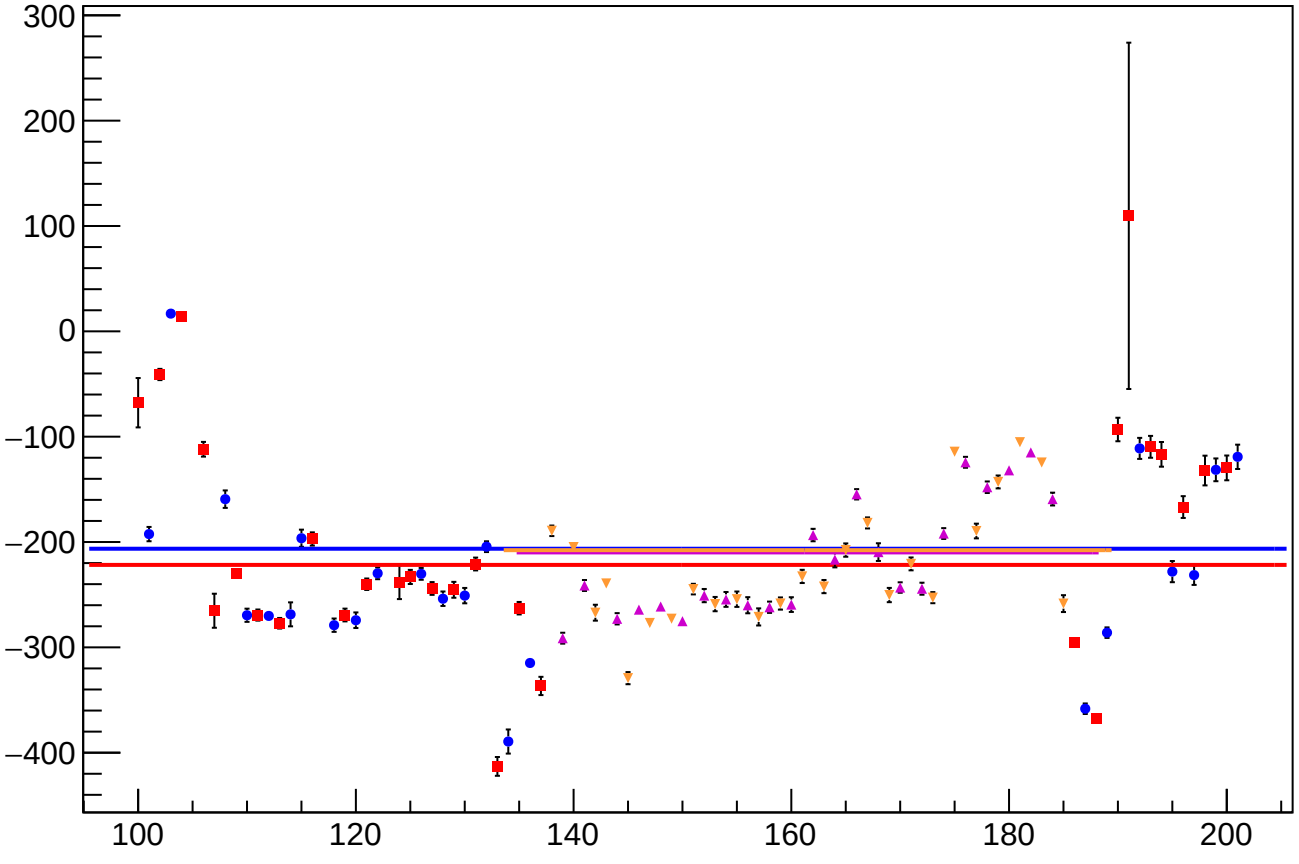
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 2.740+/-0.014 χ^2/NDF: 1586029.2/47

All: 3.519+/-0.010 χ^2/NDF: 2727177.0/98

- sign 4.307+/-0.014 χ^2/NDF: 1135060.2/50

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: -221.728+/-1.131 χ^2/NDF: 12068.2/27

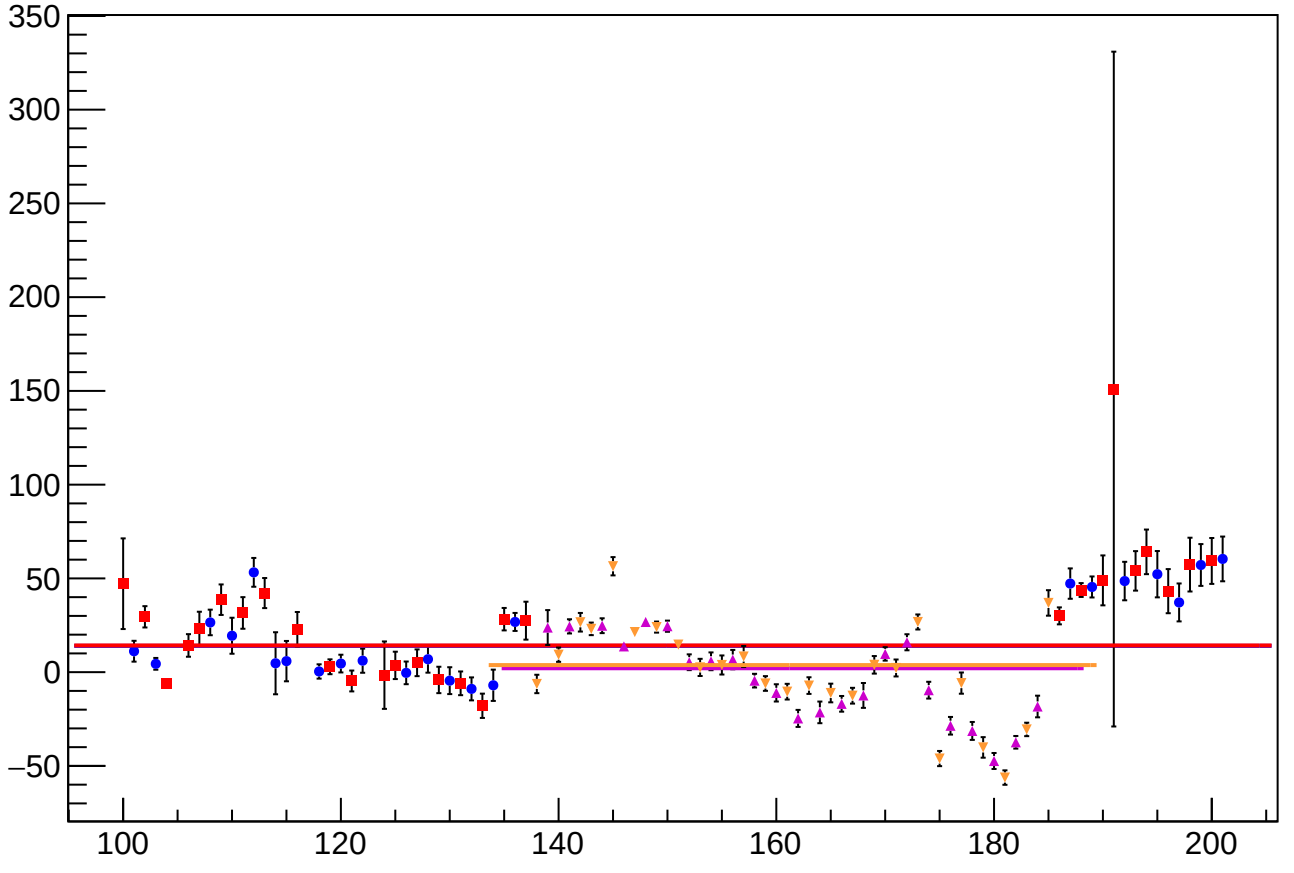
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.173+/-0.817 χ^2/NDF: 12212.7/47

All: -211.557+/-0.567 χ^2/NDF: 27404.9/98

- sign -215.645+/-0.789 χ^2/NDF: 15136.5/50

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: 14.234+/-1.189 χ^2/NDF: 324.4/27

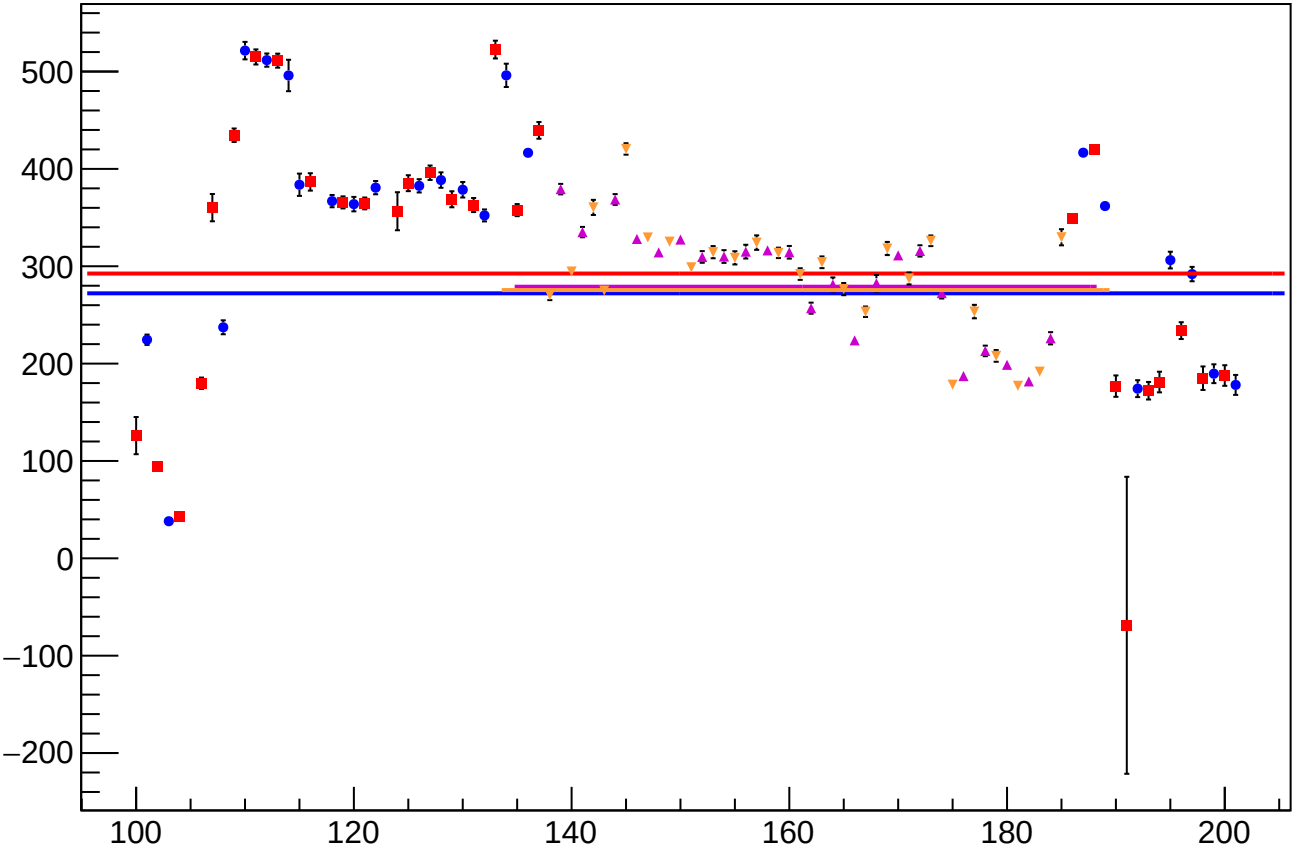
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 6.454+/-0.676 χ^2/NDF: 1220.4/47

All: 6.224+/-0.478 χ^2/NDF: 2386.0/98

- sign 5.996+/-0.675 χ^2/NDF: 1165.4/50

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: 292.518+/-1.056 χ^2/NDF: 21719.5/27

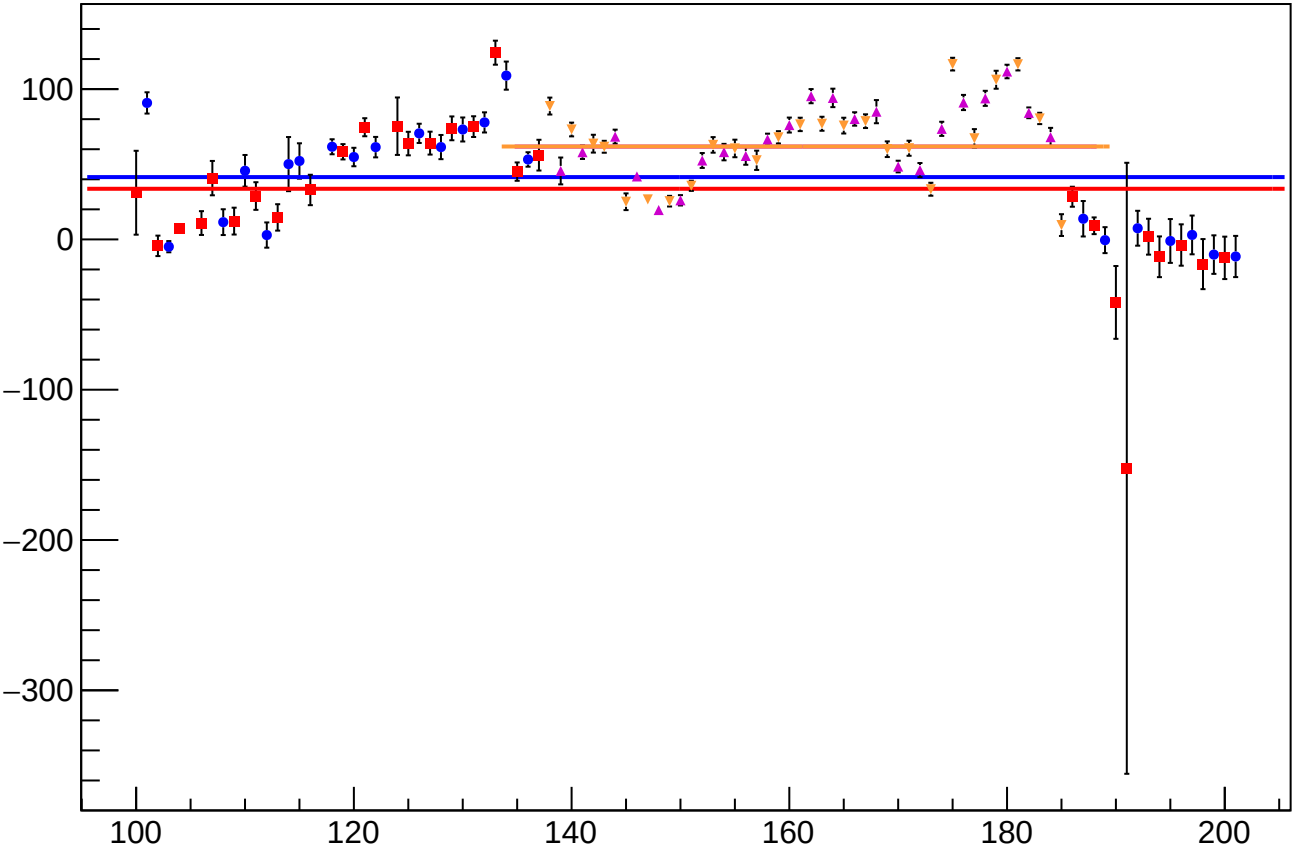
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 274.085+/-0.800 χ^2/NDF: 20908.2/47

All: 280.338+/-0.550 χ^2/NDF: 45937.9/98

- sign 285.958+/-0.758 χ^2/NDF: 24913.7/50

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: 33.688+/-1.450 χ^2/NDF: 504.1/27

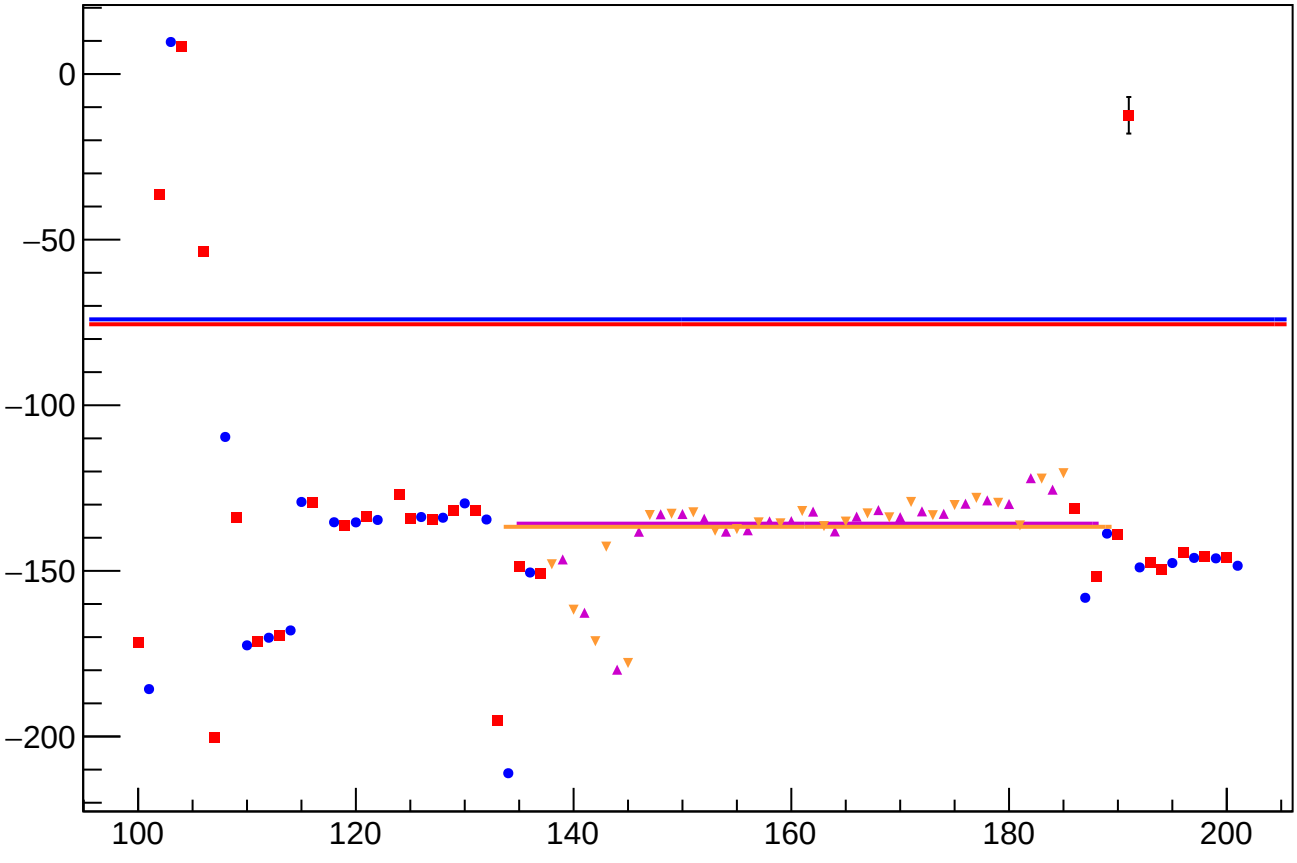
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 56.682+/-0.785 χ^2/NDF: 1569.5/47

All: 55.084+/-0.556 χ^2/NDF: 3082.1/98

- sign 53.473+/-0.788 χ^2/NDF: 1504.3/50

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: -75.548+/-0.066 χ^2/NDF: 1163547.3/27

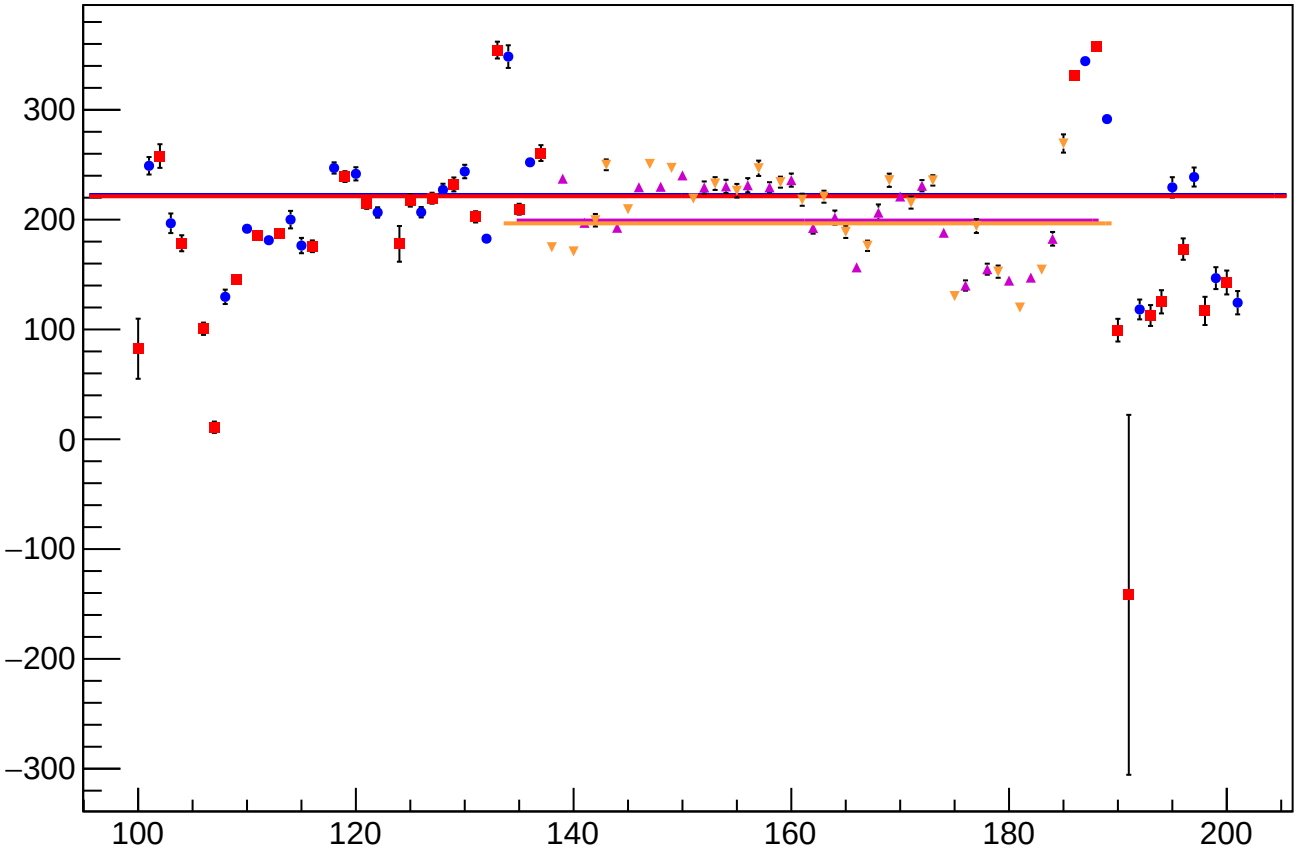
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -118.520+/-0.036 χ^2/NDF: 2196496.8/47

All: -118.275+/-0.025 χ^2/NDF: 4006032.6/98

- sign -118.025+/-0.036 χ^2/NDF: 1809440.1/50

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: 221.301+/-1.003 χ^2/NDF: 7983.1/27

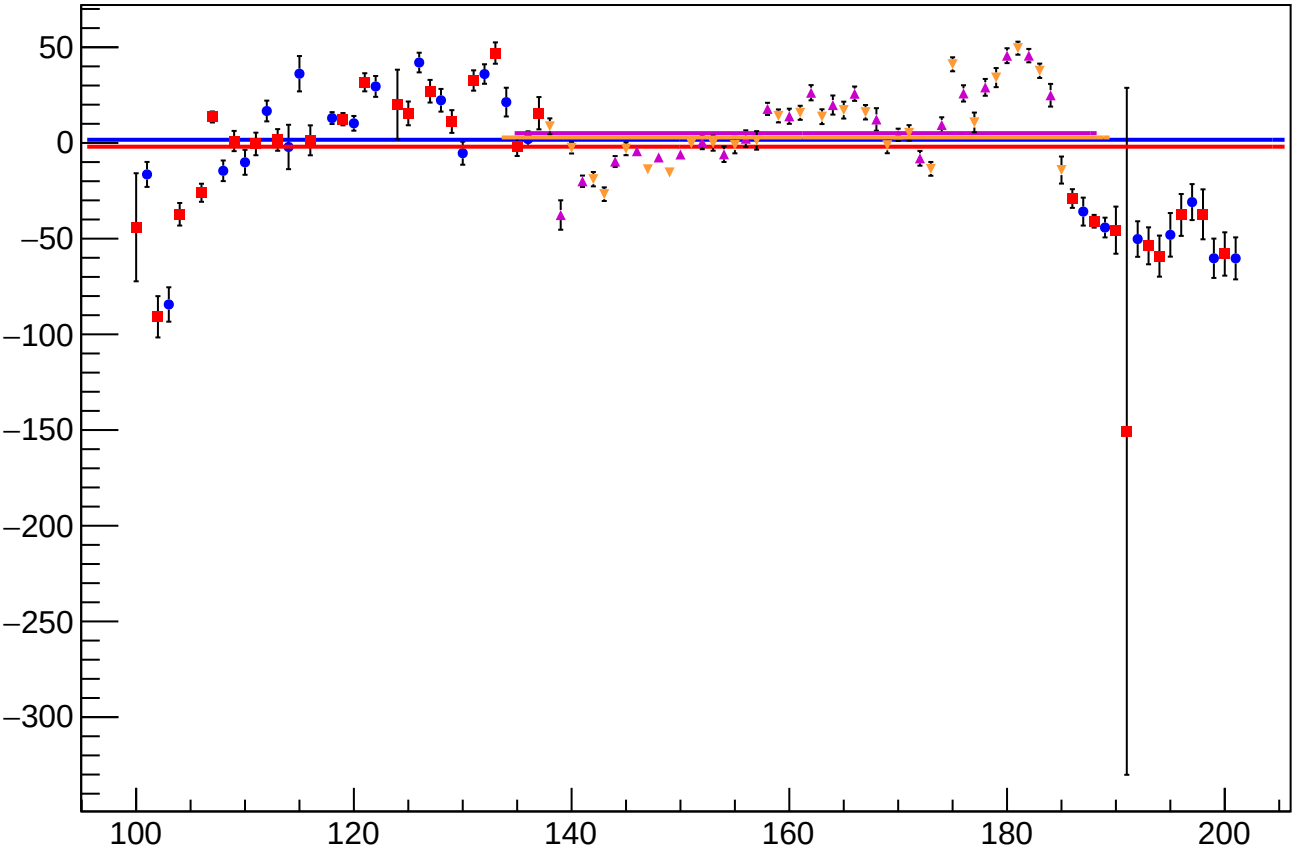
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 206.984+/-0.732 χ^2/NDF: 4474.5/47

All: 208.507+/-0.505 χ^2/NDF: 14011.8/98

- sign 209.891+/-0.698 χ^2/NDF: 9529.0/50

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: -1.960+/-1.086 χ^2/NDF: 676.4/27

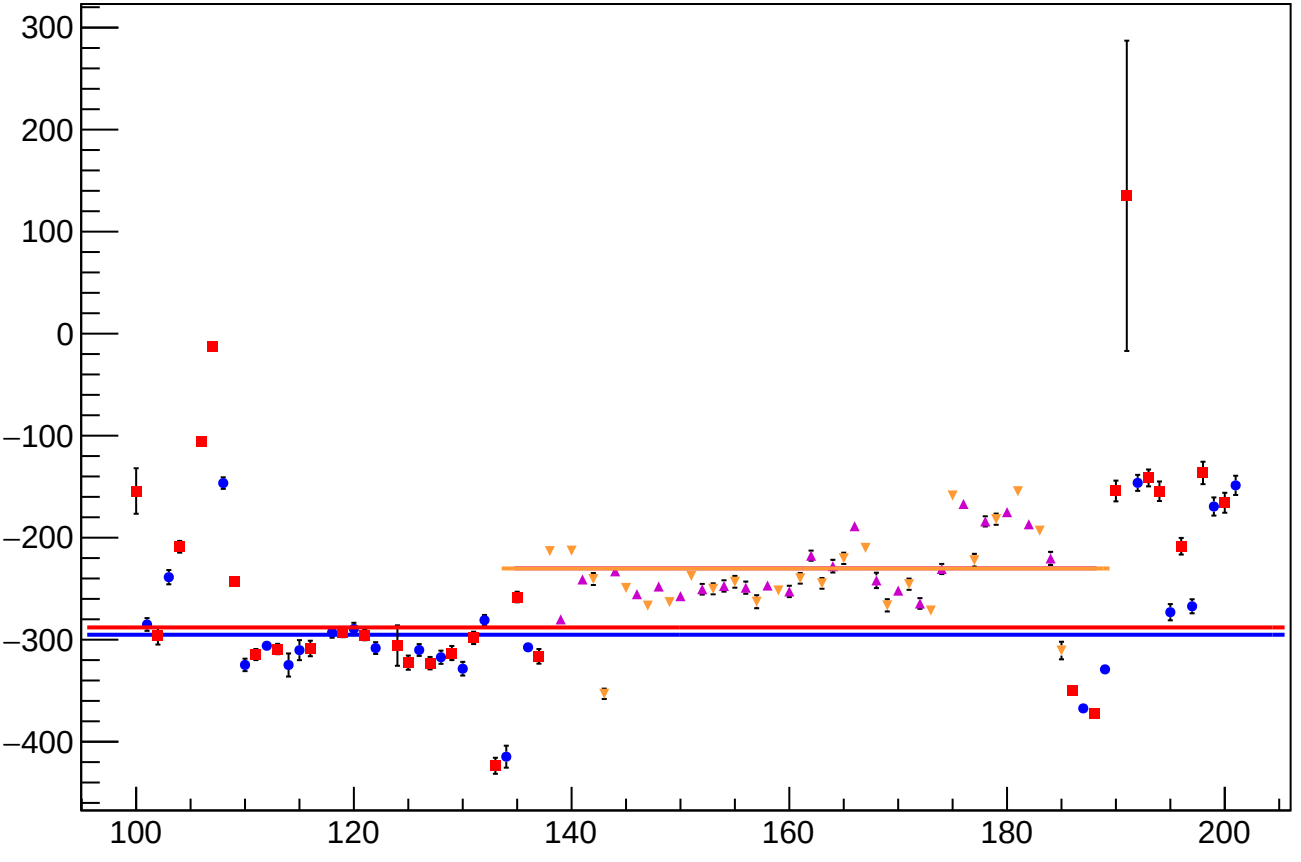
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 2.576+/-0.603 χ^2/NDF: 1295.0/47

All: 2.775+/-0.425 χ^2/NDF: 2629.8/98

- sign 2.971+/-0.599 χ^2/NDF: 1334.6/50

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: -287.980+/-1.013 χ^2/NDF: 9627.7/27

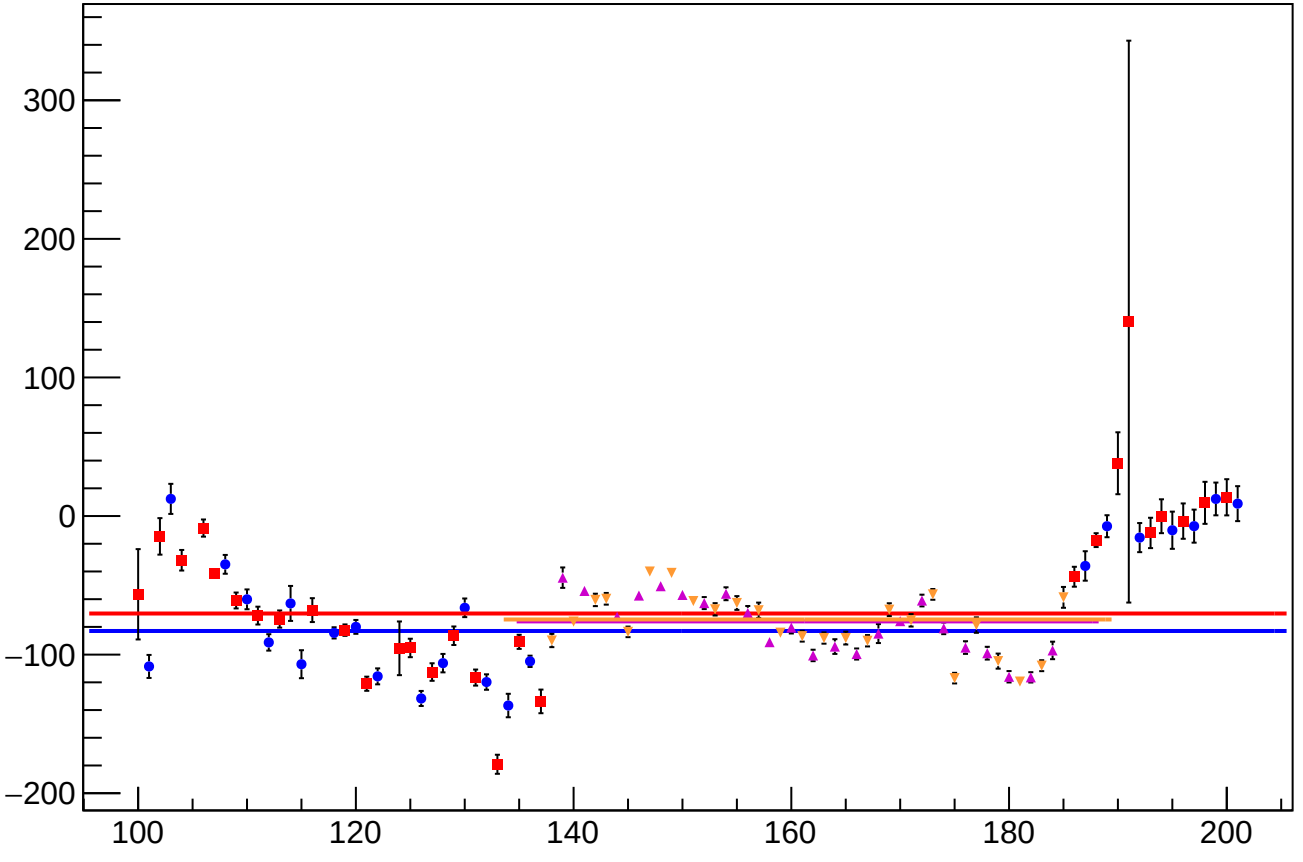
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -254.610+/-0.742 χ^2/NDF: 6251.8/47

All: -256.137+/-0.508 χ^2/NDF: 18702.9/98

- sign -257.486+/-0.697 χ^2/NDF: 12443.1/50

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: -70.336+/-1.306 χ^2/NDF: 1075.1/27

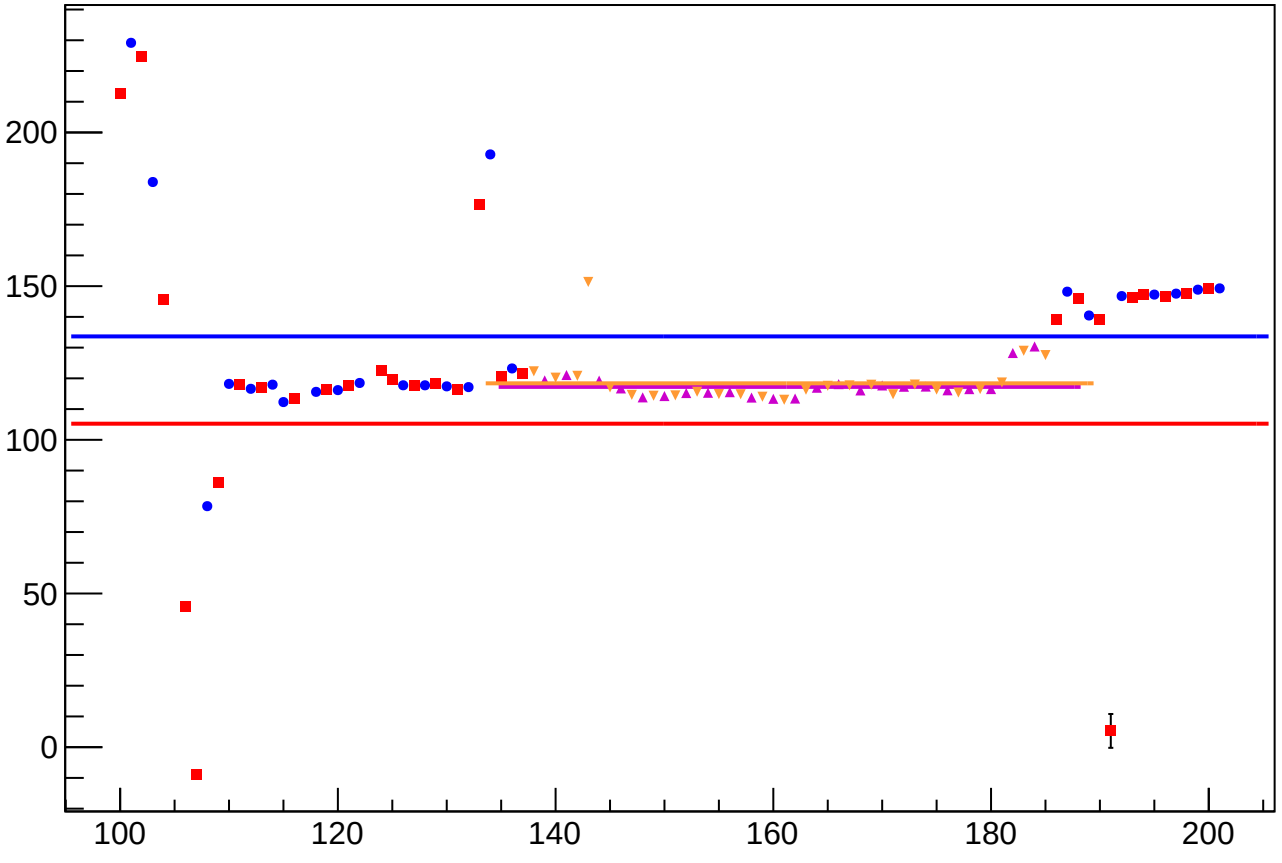
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -76.612+/-0.699 χ^2/NDF: 1596.9/47

All: -75.505+/-0.494 χ^2/NDF: 3336.6/98

- sign -74.405+/-0.697 χ^2/NDF: 1734.7/50

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: 105.248+/-0.068 χ^2/NDF: 727331.7/27

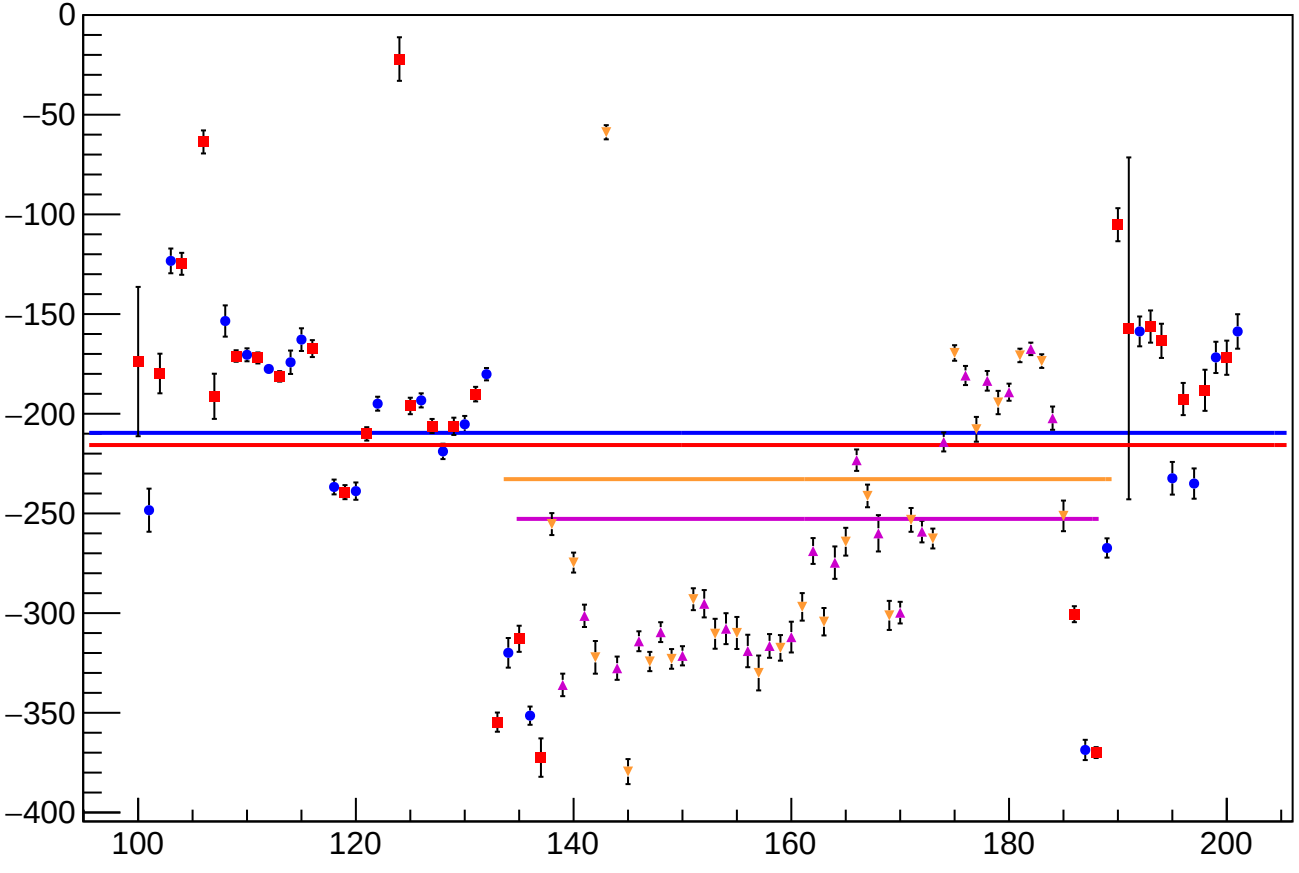
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 121.336+/-0.033 χ^2/NDF: 262577.1/47

All: 117.833+/-0.023 χ^2/NDF: 1045282.7/98

- sign 114.440+/-0.033 χ^2/NDF: 761150.1/50

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: -215.692+/-0.866 χ^2/NDF: 7482.5/27

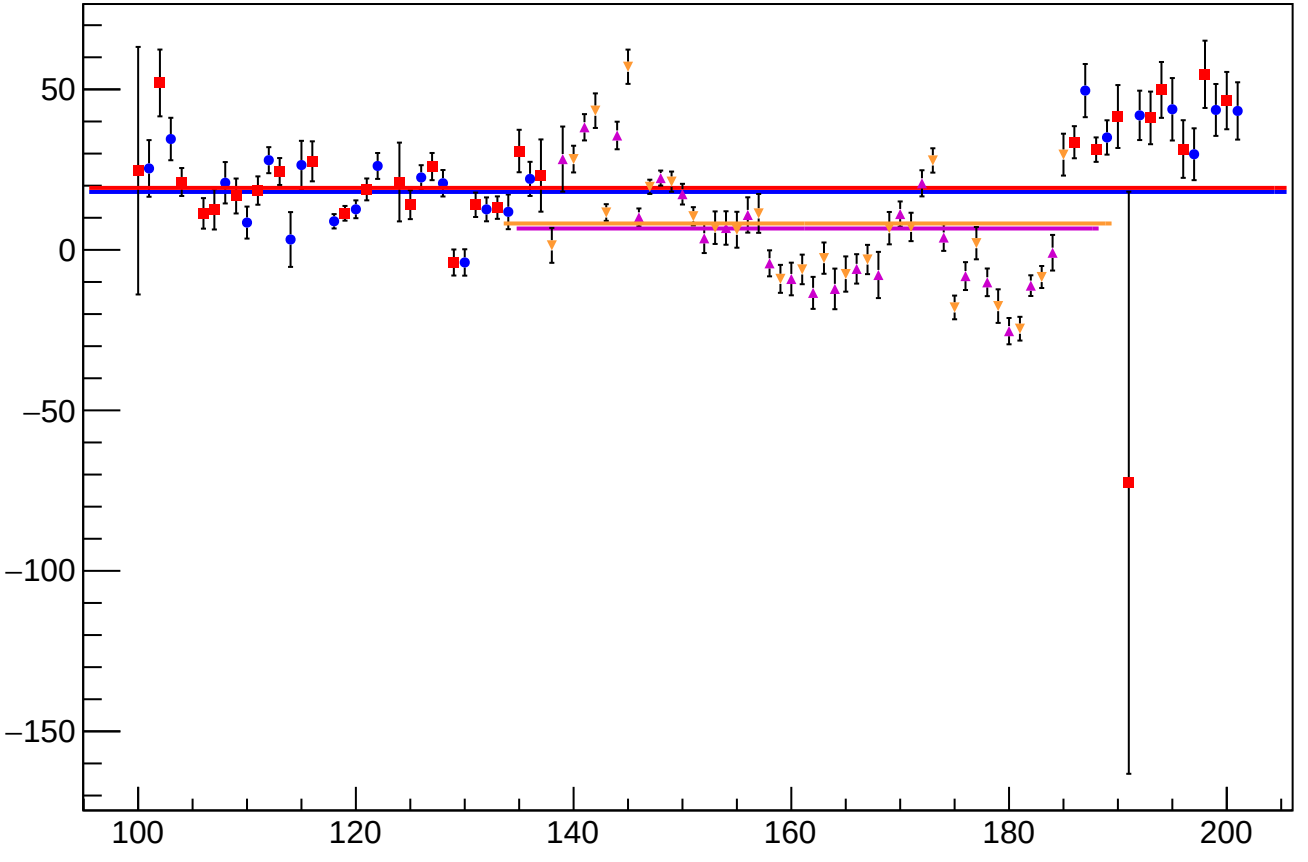
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -219.761+/-0.710 χ^2/NDF: 9368.8/47

All: -224.731+/-0.494 χ^2/NDF: 20536.6/98

- sign -229.398+/-0.688 χ^2/NDF: 11072.7/50

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



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: 19.313+/-0.948 χ^2/NDF: 140.1/27

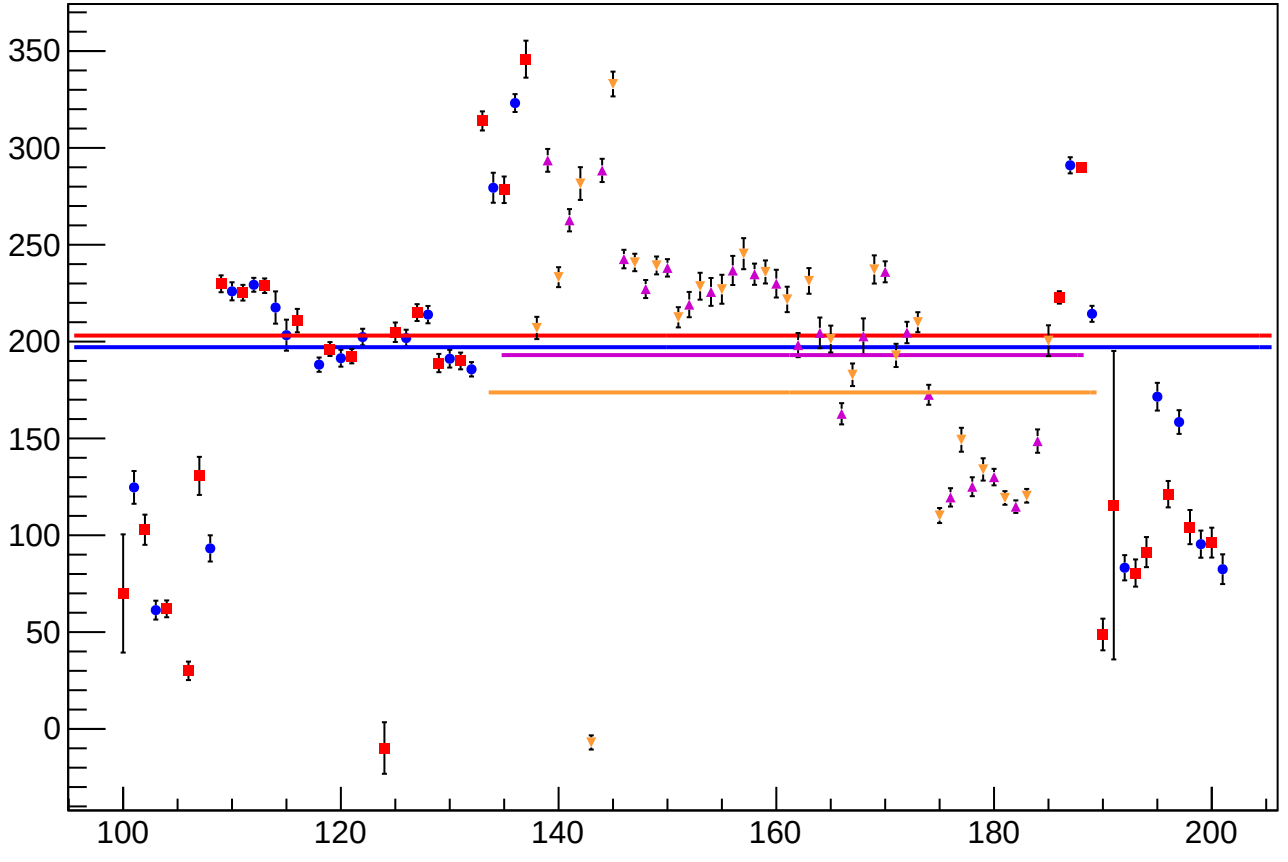
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 12.145+/-0.622 χ^2/NDF: 658.9/47

All: 12.248+/-0.445 χ^2/NDF: 1251.8/98

- sign 12.356+/-0.636 χ^2/NDF: 592.9/50

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: 203.112+/-0.928 χ^2/NDF: 6783.9/27

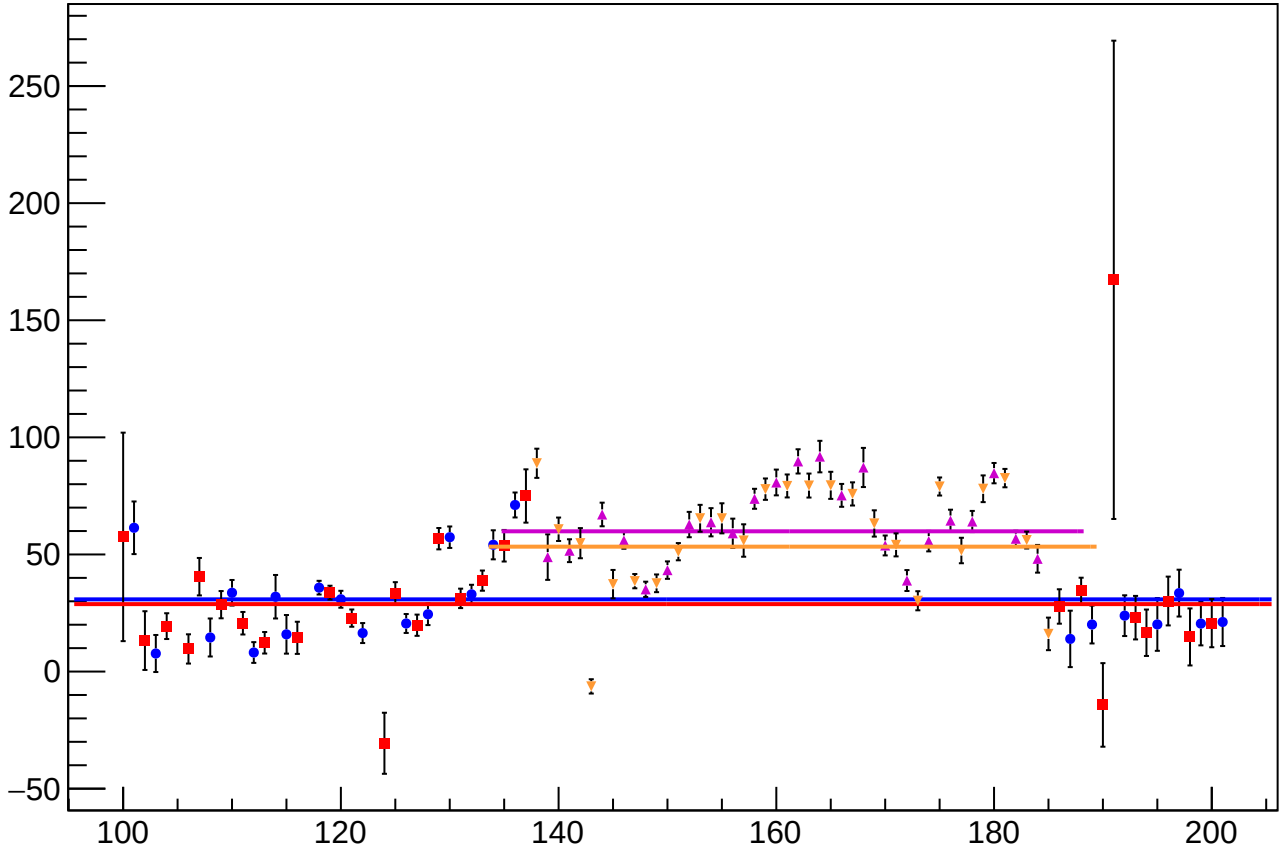
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 185.735+/-0.746 χ^2/NDF: 8928.0/47

All: 192.655+/-0.516 χ^2/NDF: 18437.2/98

- sign 199.016+/-0.715 χ^2/NDF: 9343.9/50

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: 28.797+/-1.119 χ^2/NDF: 153.6/27

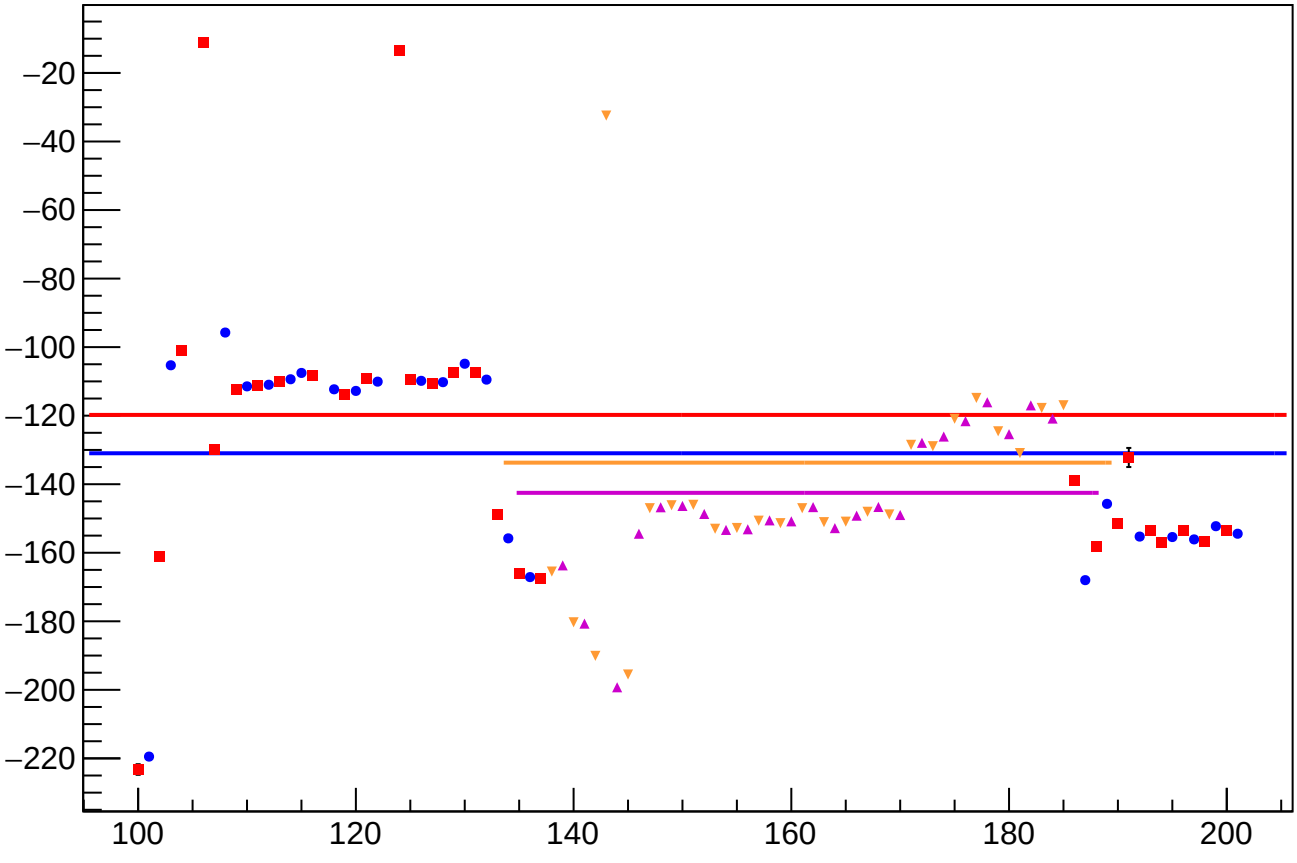
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 44.574+/-0.720 χ^2/NDF: 1195.9/47

All: 45.487+/-0.515 χ^2/NDF: 2042.1/98

- sign 46.439+/-0.736 χ^2/NDF: 842.9/50

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: -119.779+/-0.063 χ^2/NDF: 479634.2/27

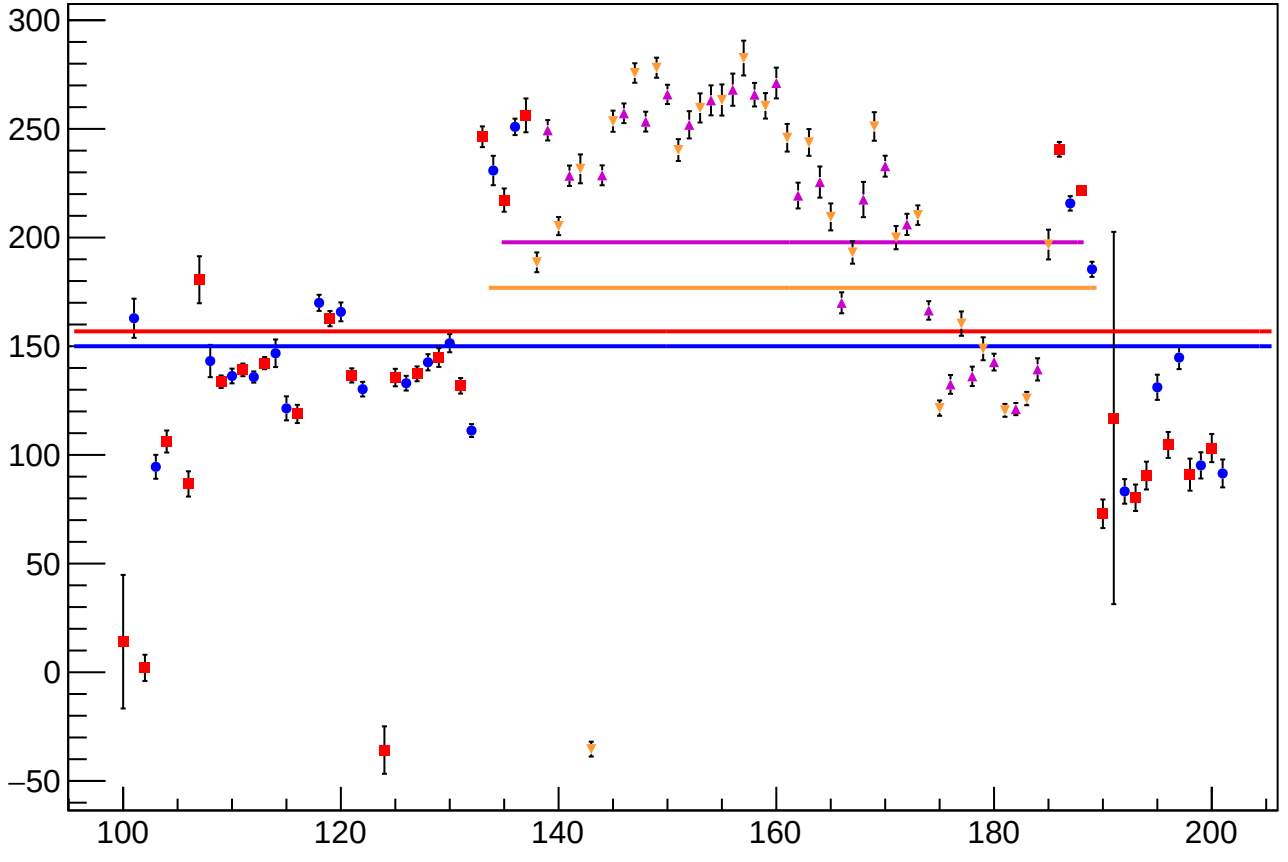
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -132.904+/-0.036 χ^2/NDF: 848018.3/47

All: -133.924+/-0.026 χ^2/NDF: 1594867.4/98

- sign -134.960+/-0.036 χ^2/NDF: 745230.4/50

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: 156.846+/-0.783 χ^2/NDF: 4840.1/27

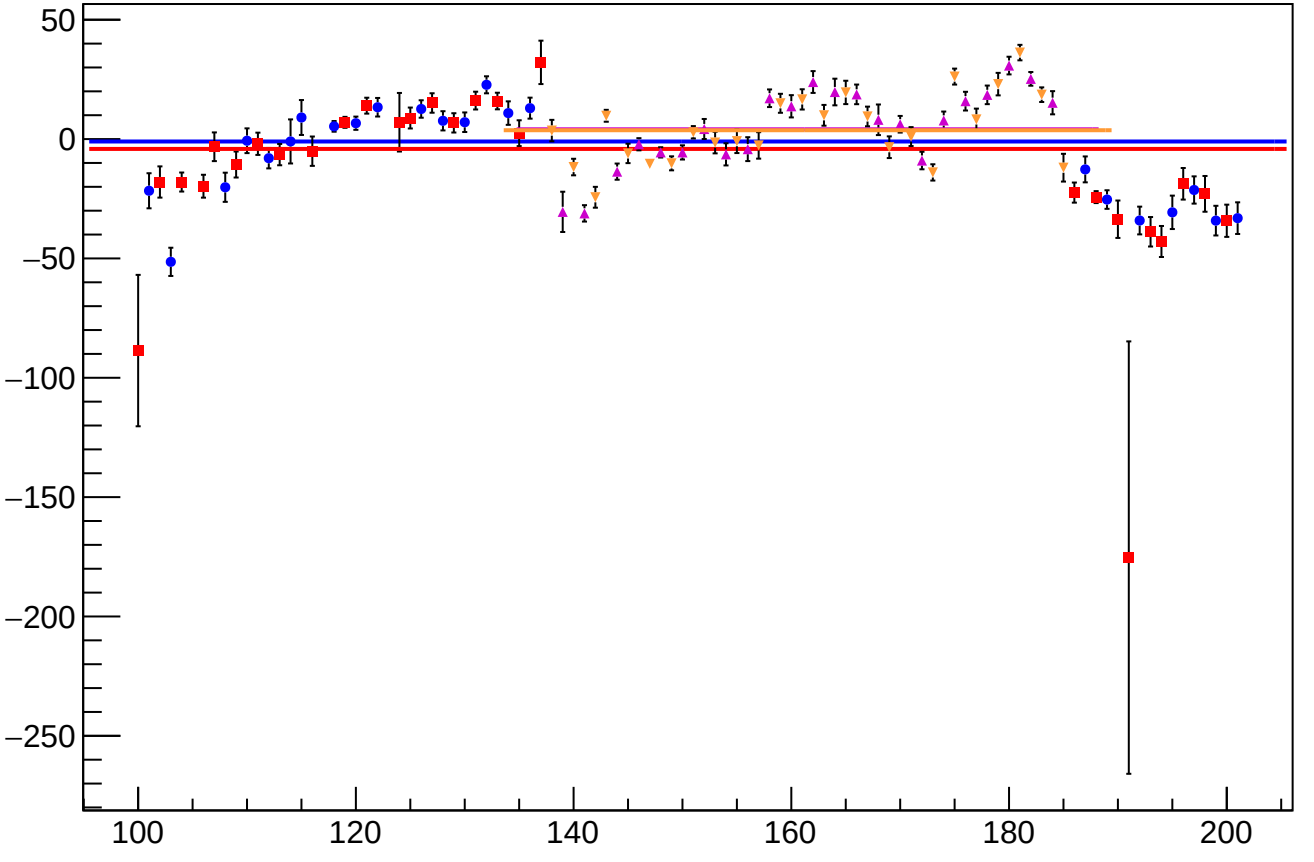
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 162.191+/-0.645 χ^2/NDF: 9976.0/47

All: 167.463+/-0.446 χ^2/NDF: 18945.7/98

- sign 172.303+/-0.618 χ^2/NDF: 8841.5/50

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: -4.125+/-0.870 χ^2/NDF: 408.7/27

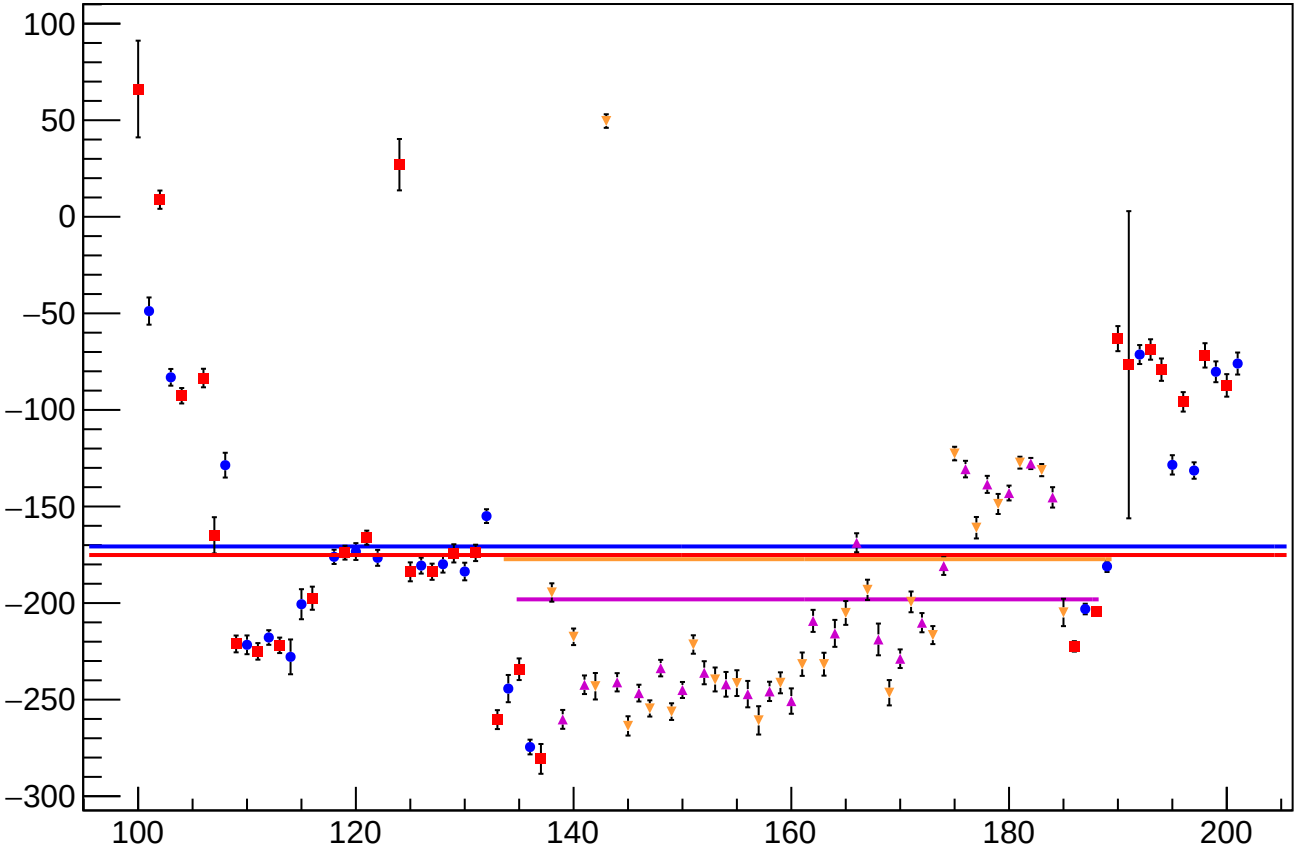
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 1.899+/-0.568 χ^2/NDF: 782.9/47

All: 1.206+/-0.404 χ^2/NDF: 1643.8/98

- sign 0.494+/-0.576 χ^2/NDF: 857.9/50

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: -175.128+/-0.787 χ^2/NDF: 6089.6/27

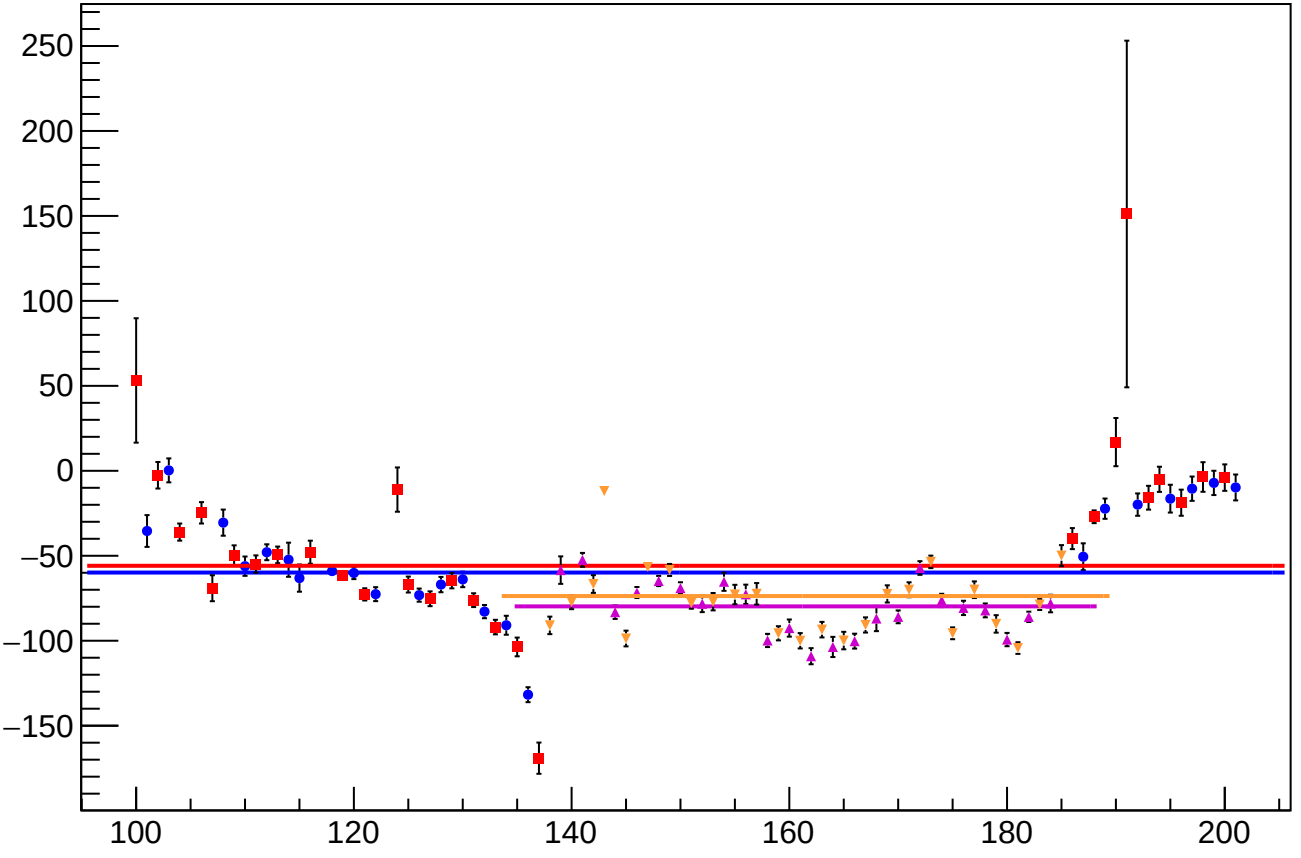
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -173.827+/-0.660 χ^2/NDF: 10305.3/47

All: -179.191+/-0.451 χ^2/NDF: 19231.0/98

- sign -183.902+/-0.618 χ^2/NDF: 8801.5/50

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: -55.896+/-1.041 χ^2/NDF: 771.4/27

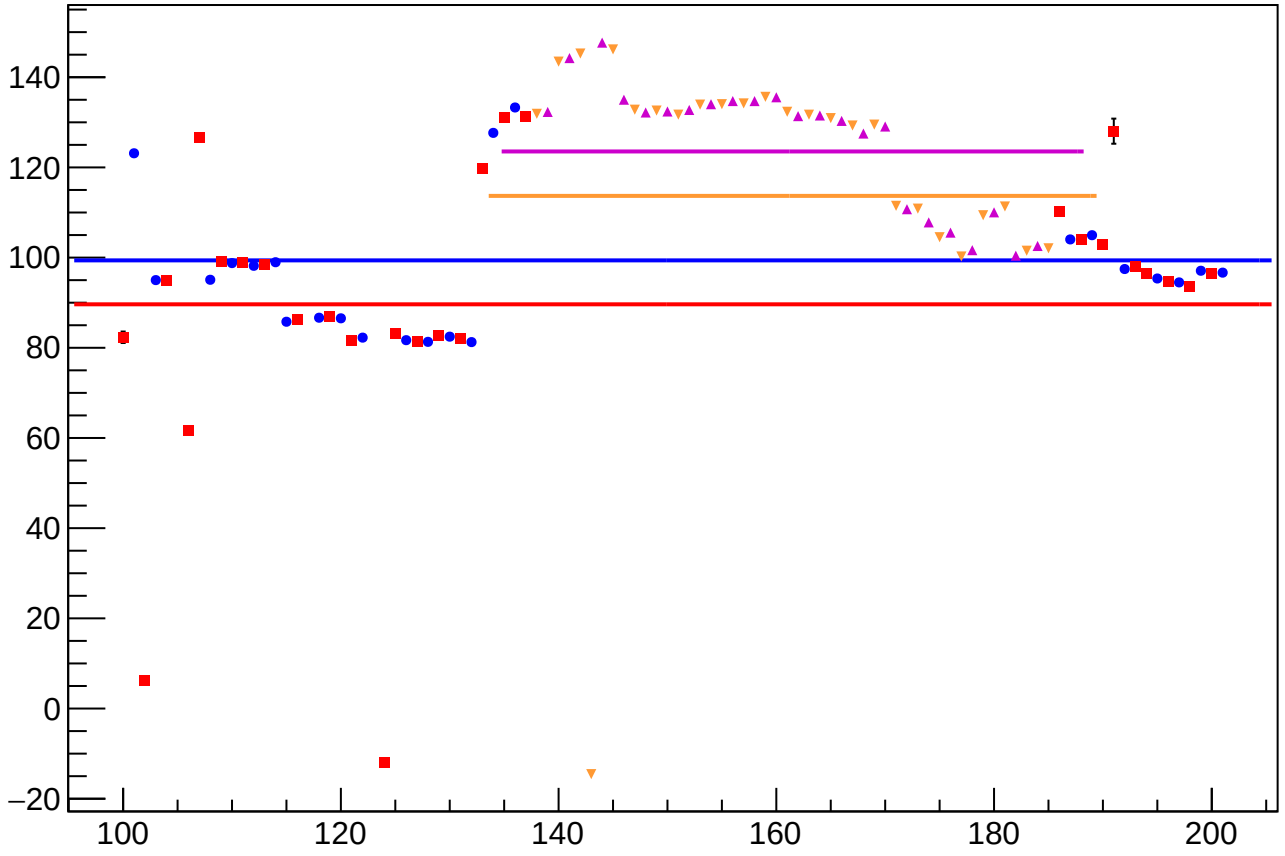
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -68.585+/-0.658 χ^2/NDF: 1652.9/47

All: -69.235+/-0.469 χ^2/NDF: 3012.0/98

- sign -69.907+/-0.669 χ^2/NDF: 1357.0/50

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: 89.641+/-0.054 χ^2/NDF: 282734.6/27

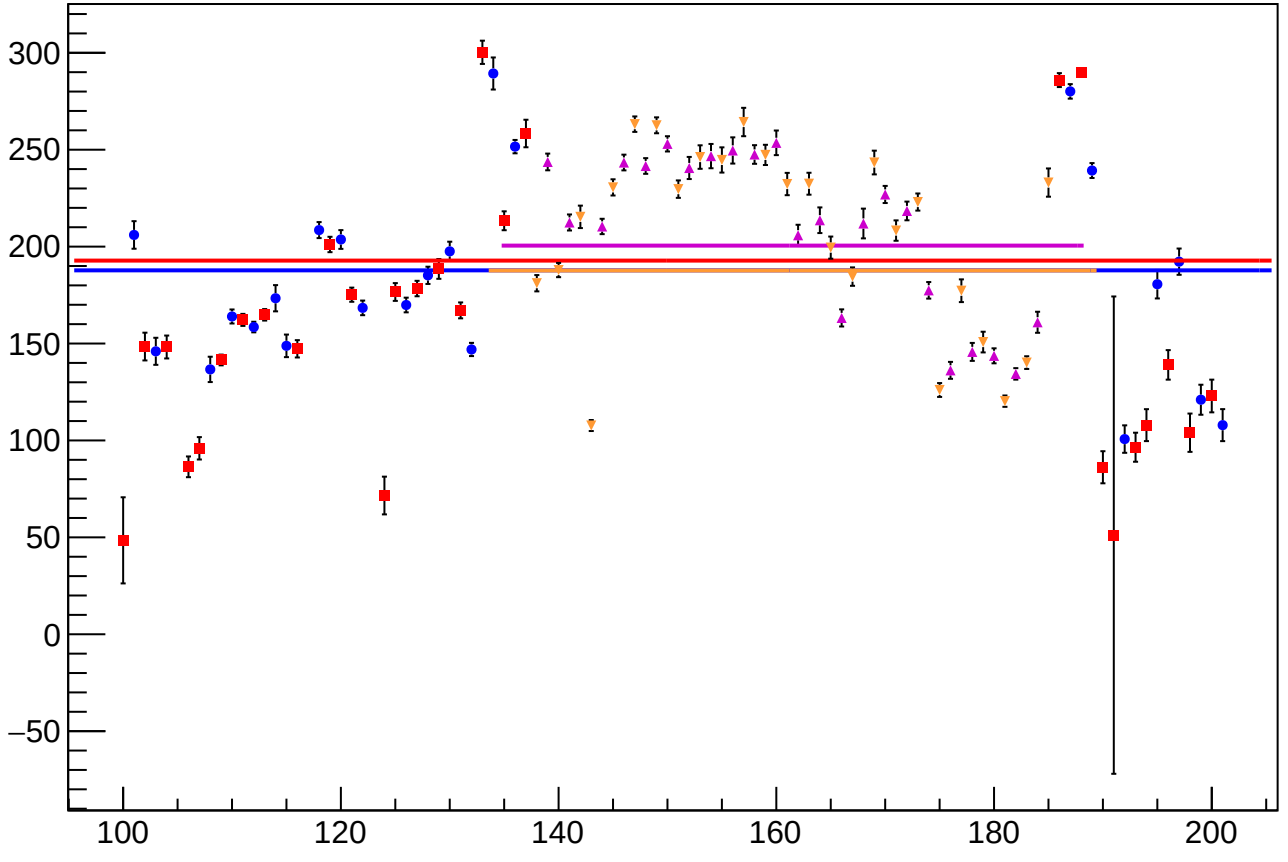
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 109.283+/-0.032 χ^2/NDF: 1075220.5/47

All: 110.511+/-0.023 χ^2/NDF: 1750224.0/98

- sign 111.746+/-0.032 χ^2/NDF: 672032.7/50

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: 192.793+/-0.851 χ^2/NDF: 5829.8/27

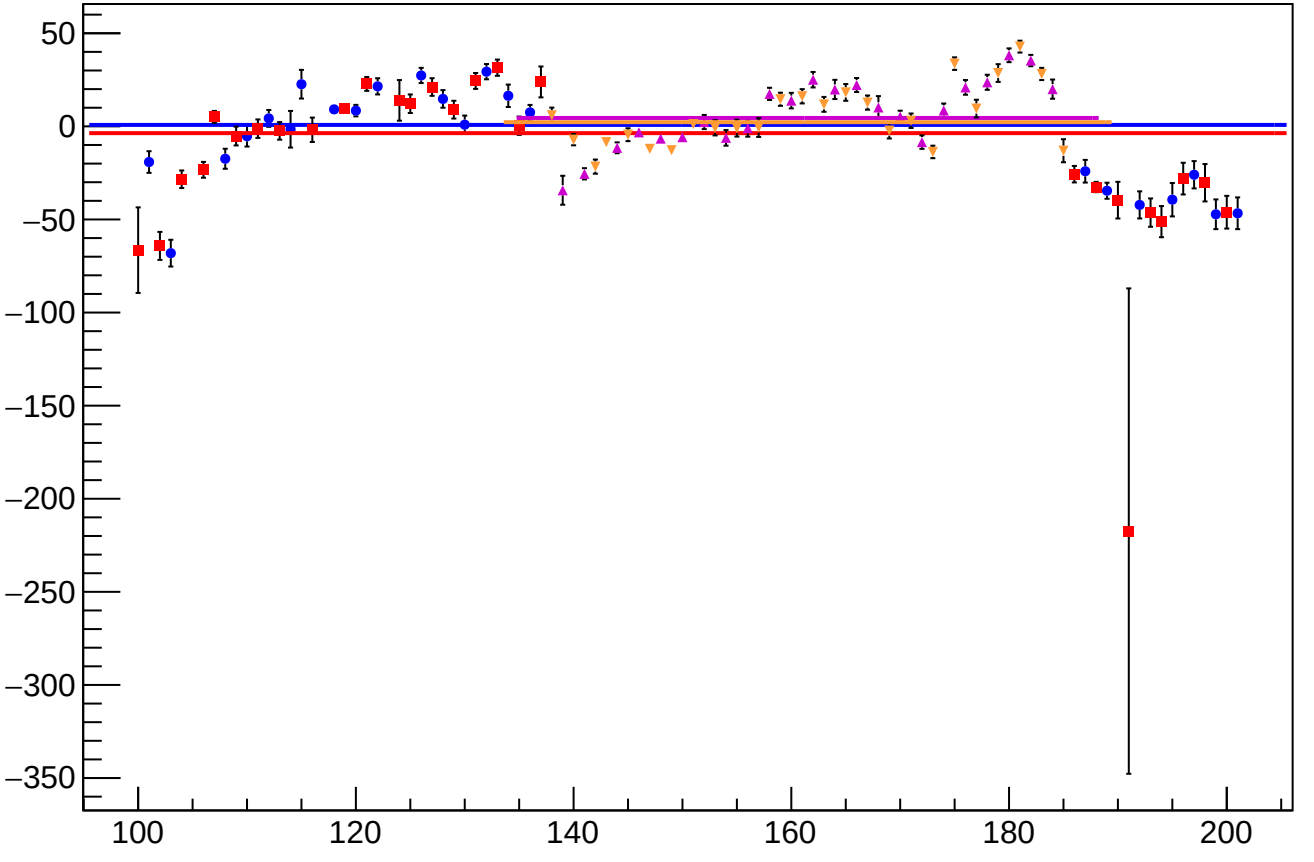
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 187.716+/-0.657 χ^2/NDF: 5670.8/47

All: 192.110+/-0.457 χ^2/NDF: 13734.9/98

\- sign 196.212+/-0.635 χ^2/NDF: 7977.8/50

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 0.776+/-1.017 χ^2/NDF: 493.5/22

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

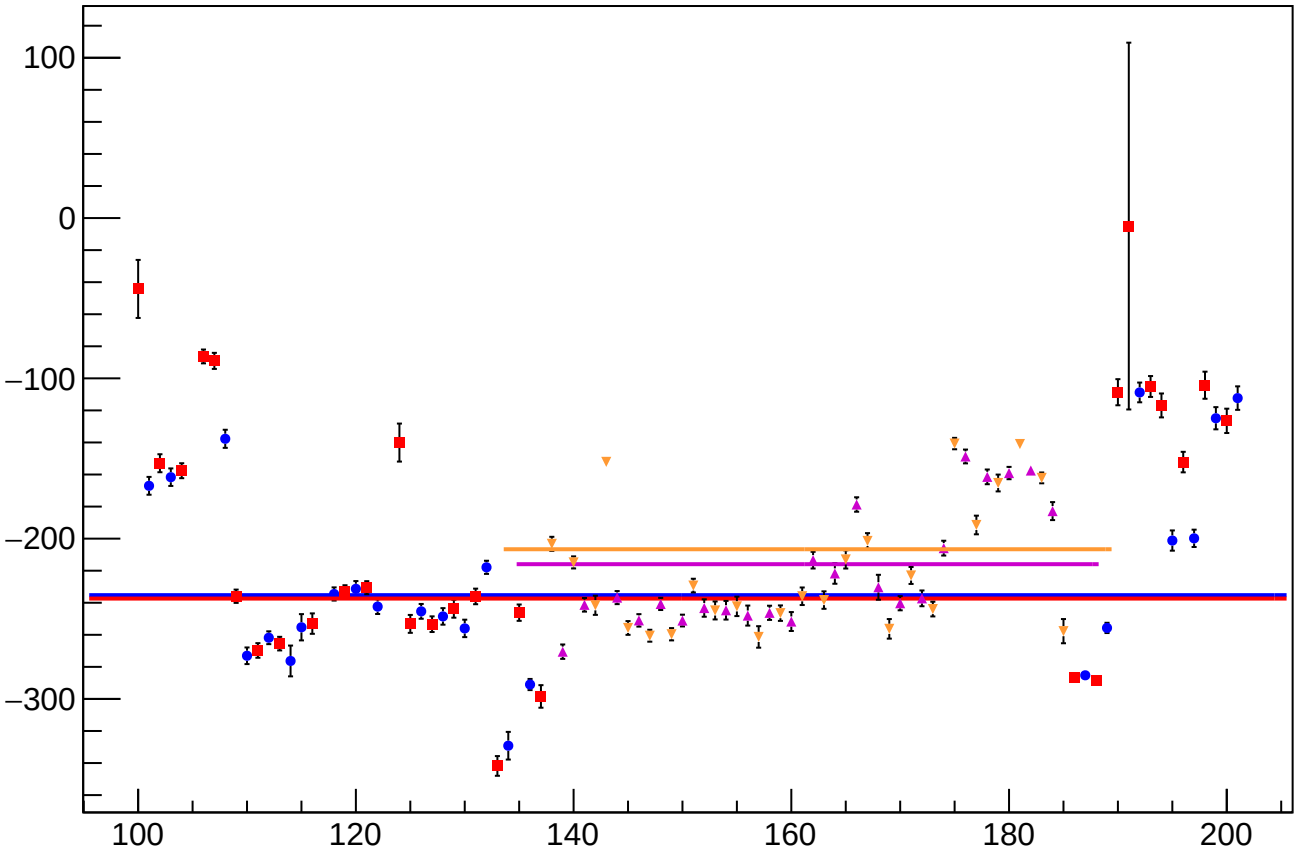
Right Out: -3.642+/-0.934 χ^2/NDF: 626.2/27

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.806+/-0.556 χ^2/NDF: 1095.8/47

All: 1.657+/-0.397 χ^2/NDF: 2317.4/98

- sign 1.502+/-0.567 χ^2/NDF: 1221.5/50



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: -237.392+/-0.859 χ^2/NDF: 6198.1/27

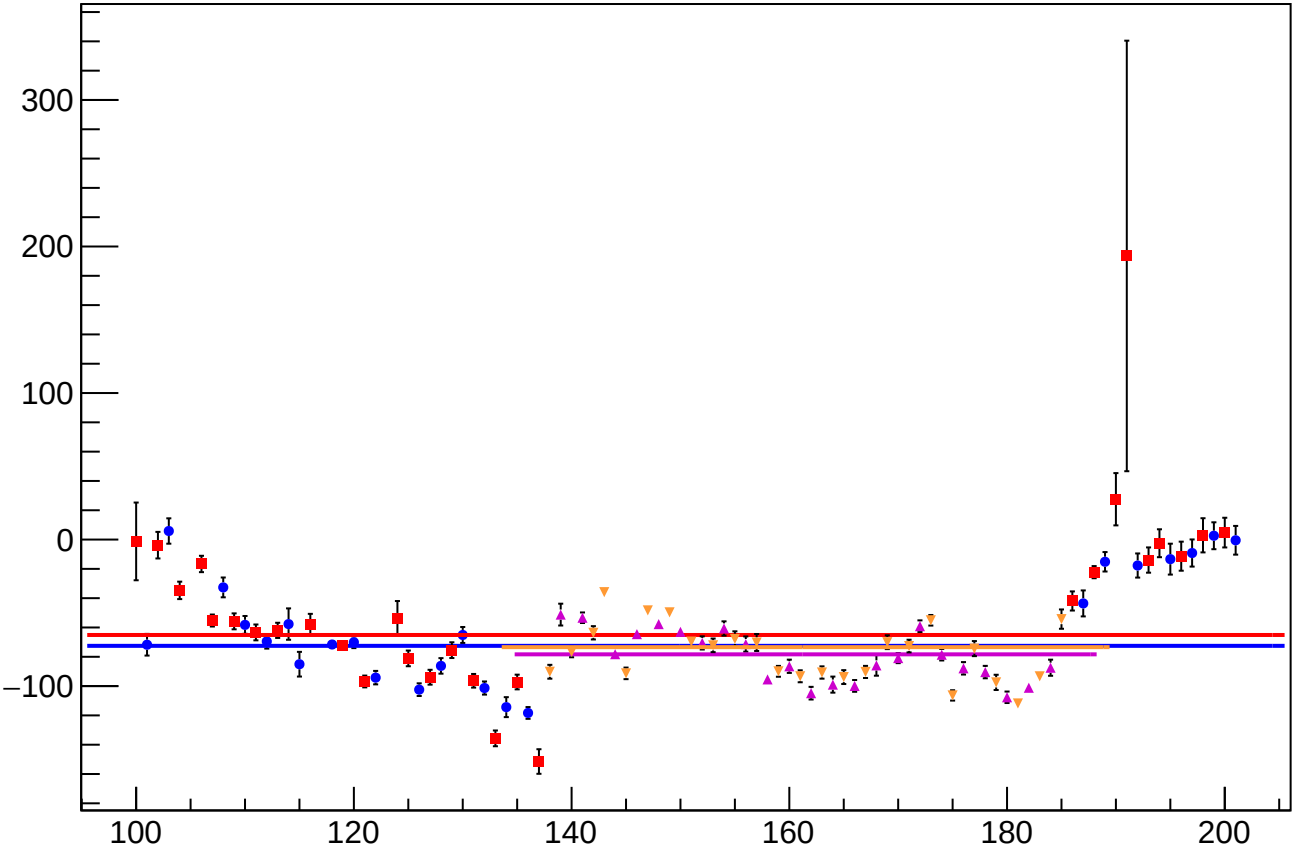
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.159+/-0.671 χ^2/NDF: 5423.4/47

All: -223.651+/-0.462 χ^2/NDF: 13700.4/98

- sign -227.692+/-0.636 χ^2/NDF: 8191.7/50

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -72.530+/-1.198 χ^2/NDF: 743.8/22

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

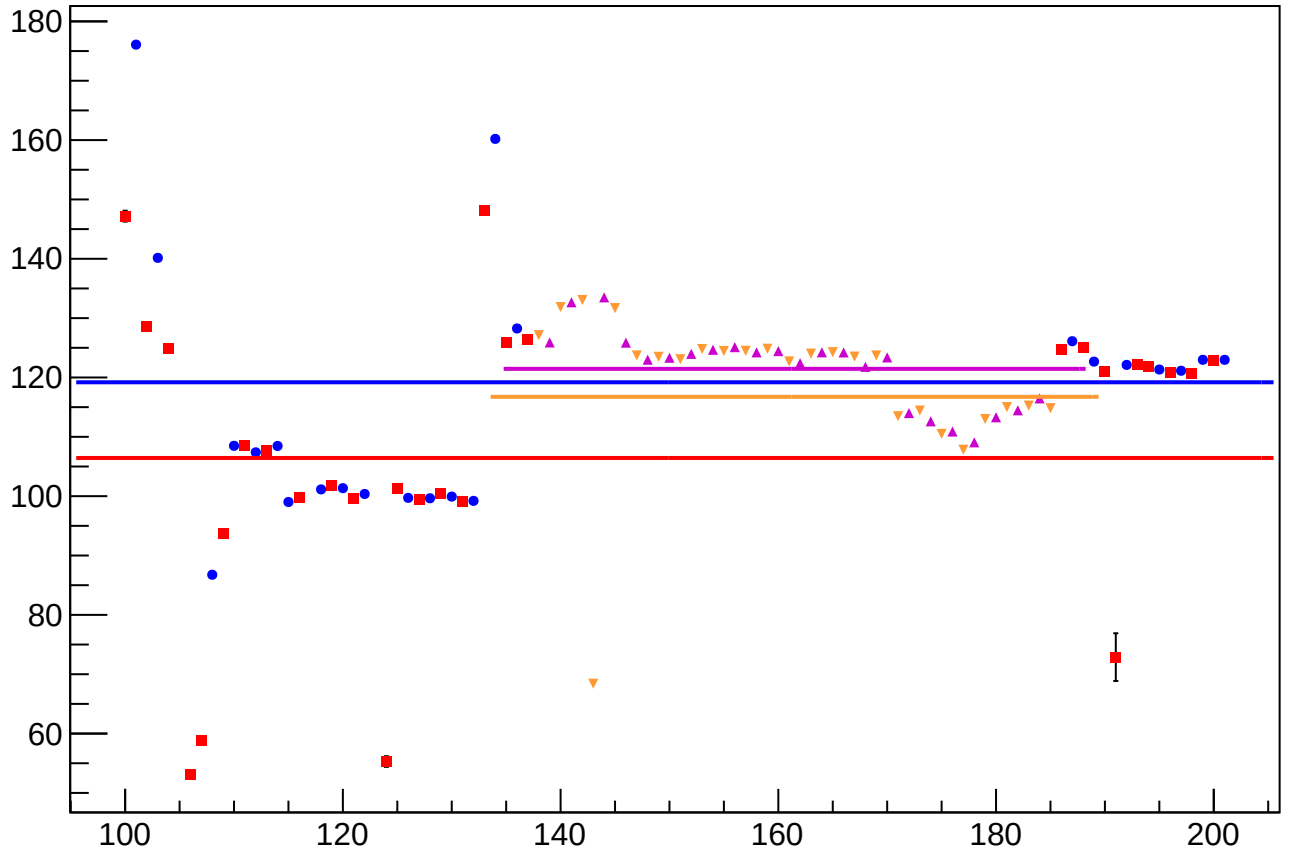
Right Out: -65.116+/-1.120 χ^2/NDF: 978.1/27

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.166+/-0.646 χ^2/NDF: 1580.7/47

All: -73.445+/-0.462 χ^2/NDF: 3093.2/98

- sign -73.737+/-0.660 χ^2/NDF: 1512.1/50



Right In: 119.191+/-0.065 χ^2/NDF: 96693.4/22

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

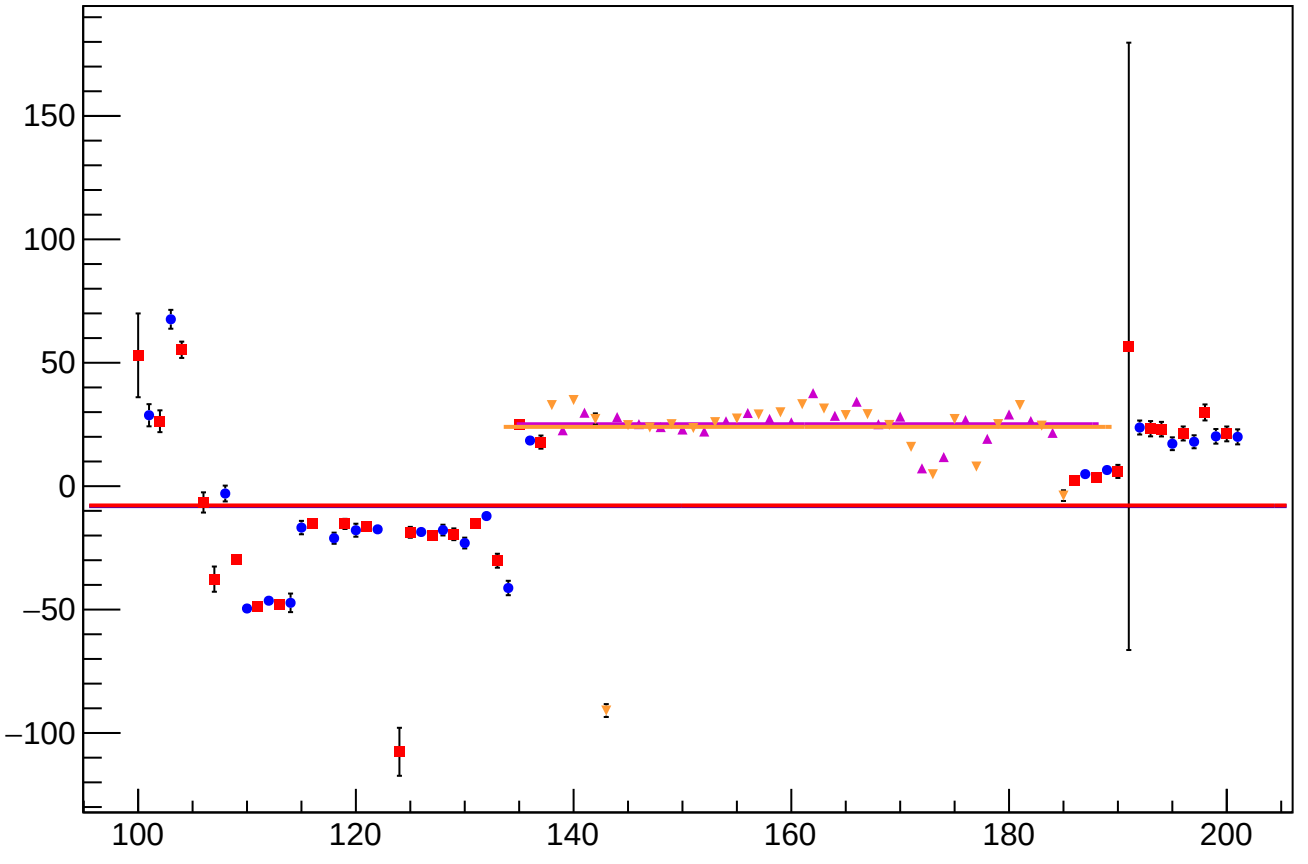
Right Out: 106.439+/-0.059 χ^2/NDF: 198453.5/27

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.315+/-0.031 χ^2/NDF: 301442.1/47

All: 117.242+/-0.022 χ^2/NDF: 575056.7/98

- sign 117.168+/-0.032 χ^2/NDF: 273603.6/50



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: -7.820+/-0.416 χ^2/NDF: 3236.0/27

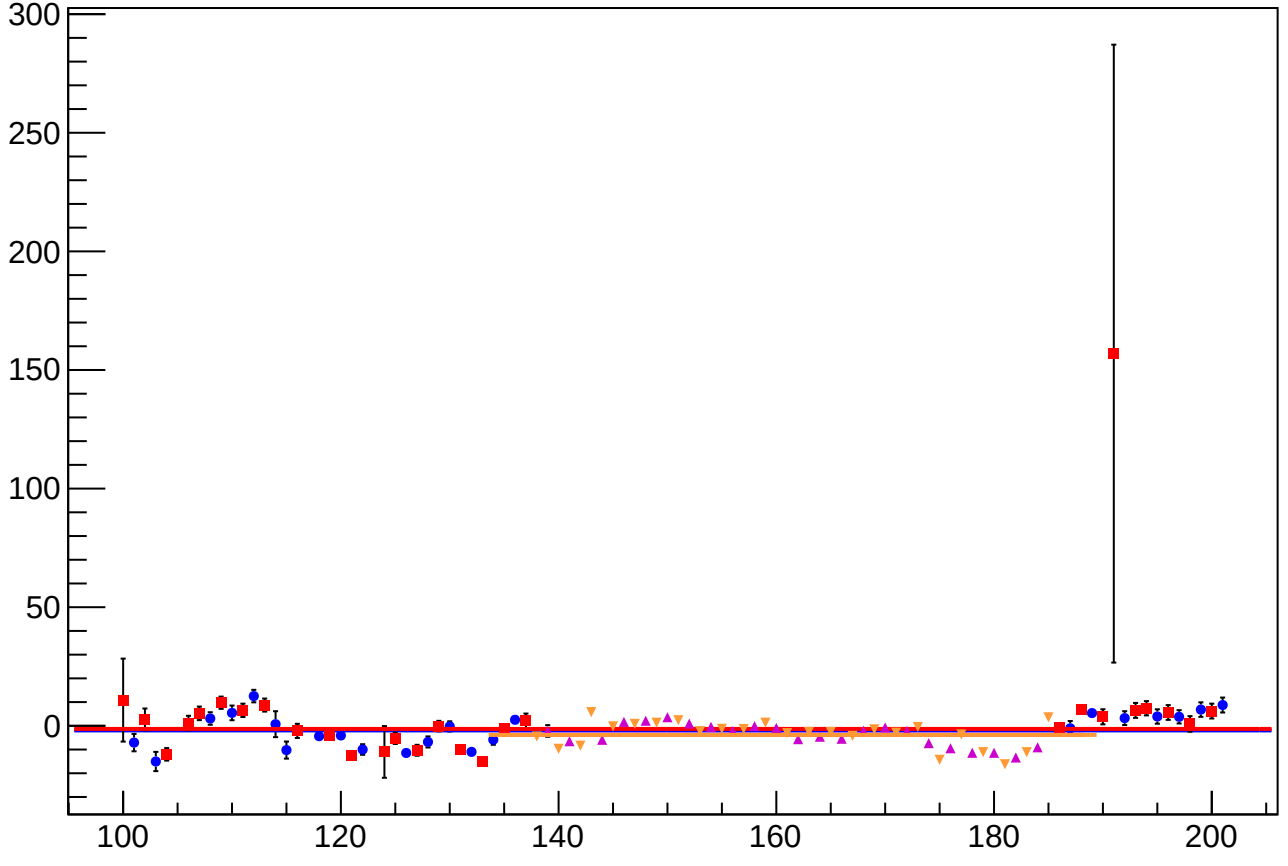
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.378+/-0.241 χ^2/NDF: 9202.3/47

All: 14.910+/-0.169 χ^2/NDF: 17181.7/98

- sign 14.459+/-0.236 χ^2/NDF: 7972.0/50

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

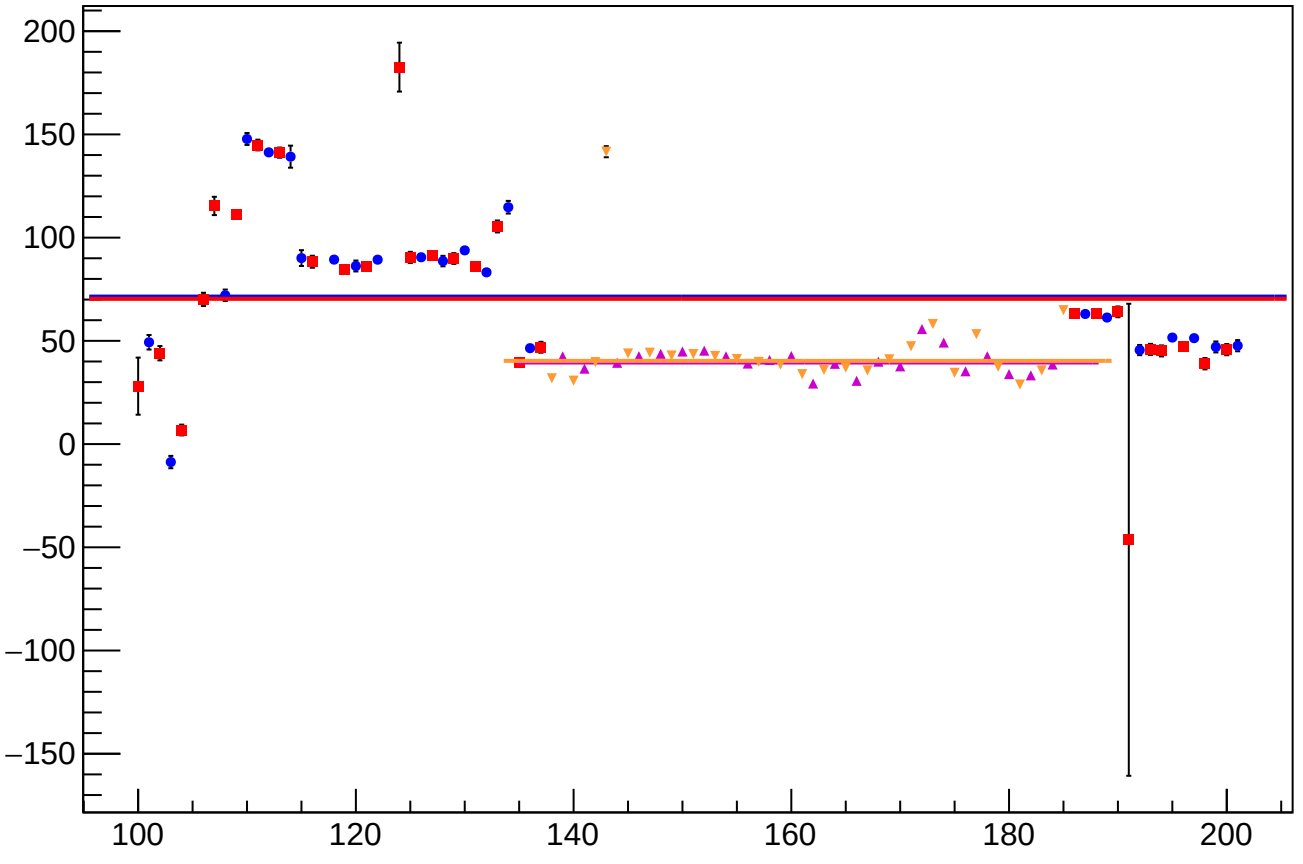
Right Out: -1.308+/-0.465 χ^2/NDF: 241.0/27

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.530+/-0.199 χ^2/NDF: 838.7/47

All: -3.425+/-0.142 χ^2/NDF: 1613.1/98

- sign -3.316+/-0.202 χ^2/NDF: 773.7/50



Right In: 71.439+/-0.479 χ^2/NDF: 3993.7/22

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

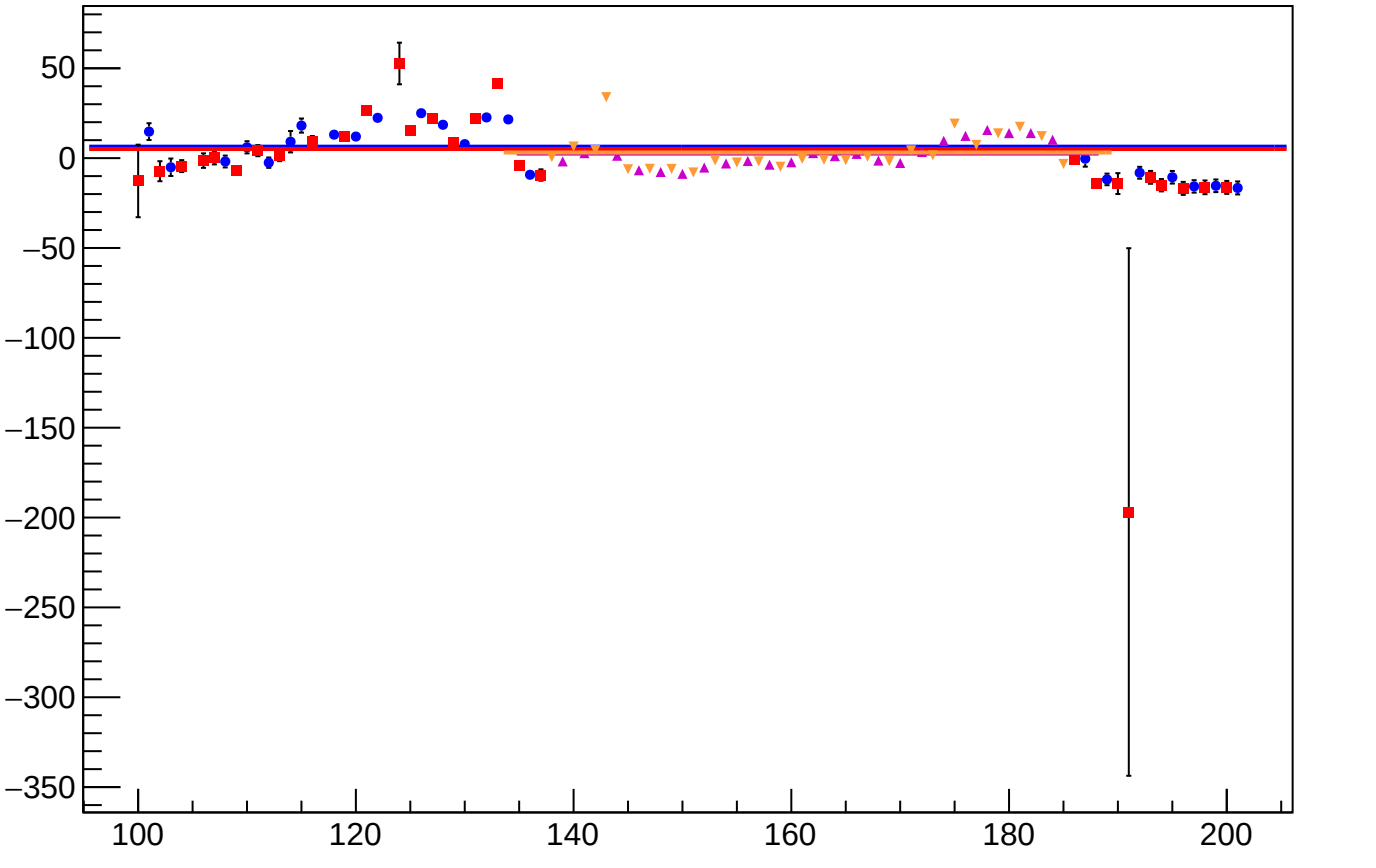
Right Out: 70.352+/-0.413 χ^2/NDF: 4303.1/27

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.248+/-0.242 χ^2/NDF: 9322.5/47

All: 48.862+/-0.168 χ^2/NDF: 17850.7/98

- sign 49.439+/-0.234 χ^2/NDF: 8515.7/50



Right In: 6.382+/-0.567 χ^2/NDF: 596.5/22

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

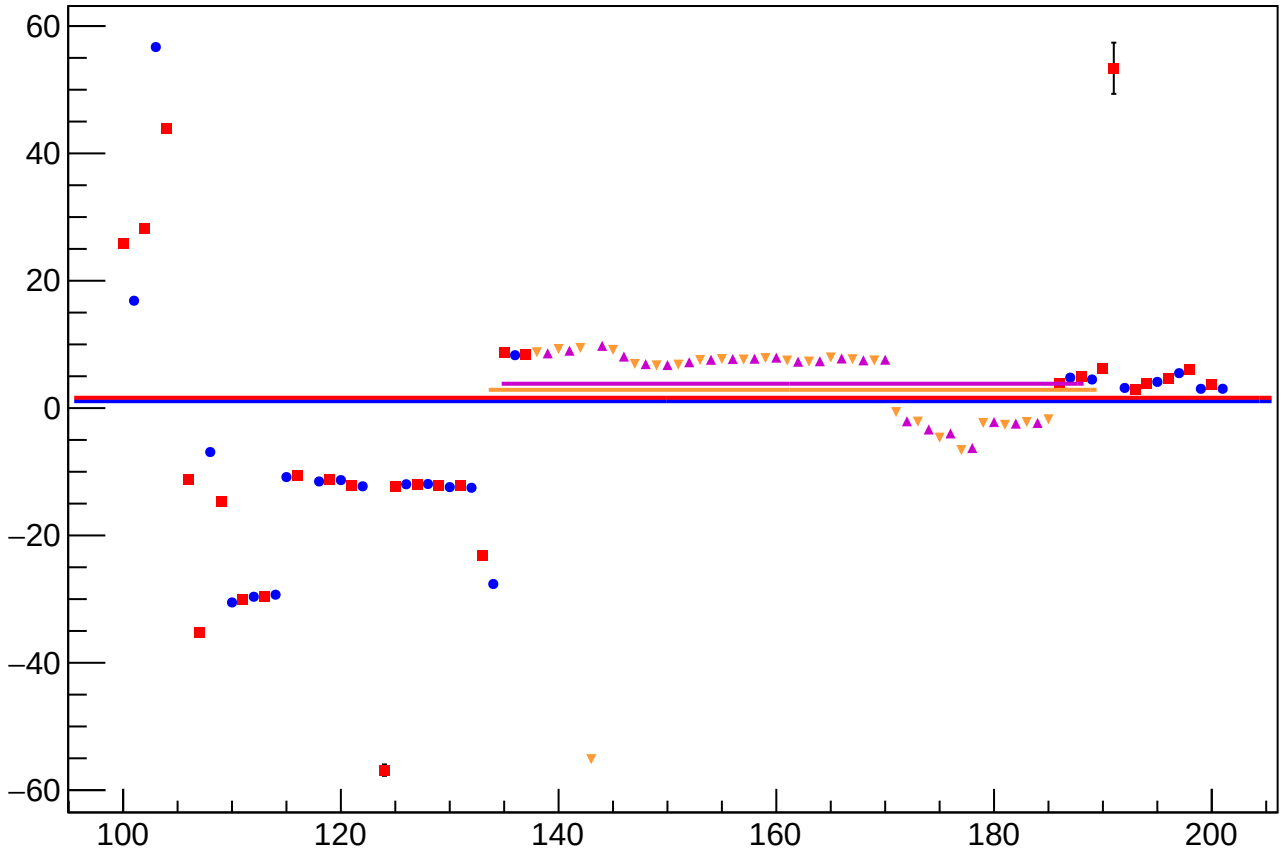
Right Out: 5.070+/-0.554 χ^2/NDF: 793.7/27

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.653+/-0.225 χ^2/NDF: 1891.0/47

All: 3.308+/-0.160 χ^2/NDF: 3675.2/98

- sign 2.953+/-0.229 χ^2/NDF: 1779.4/50



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: 1.625+/-0.028 χ^2/NDF: 325225.6/27

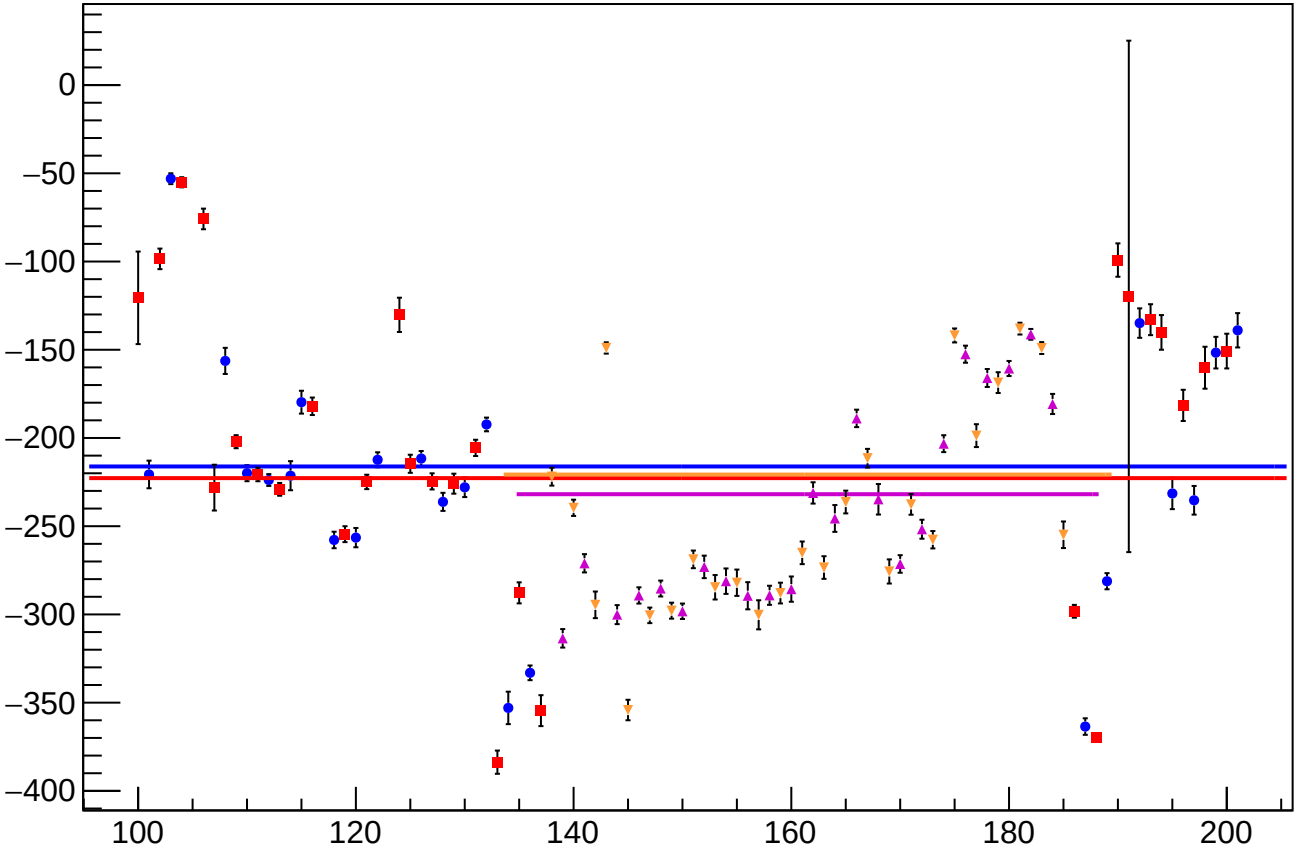
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.628+/-0.010 χ^2/NDF: 890785.1/47

All: 3.070+/-0.007 χ^2/NDF: 1458460.0/98

- sign 3.520+/-0.010 χ^2/NDF: 563891.7/50

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: -222.754+/-0.956 χ^2/NDF: 10042.4/27

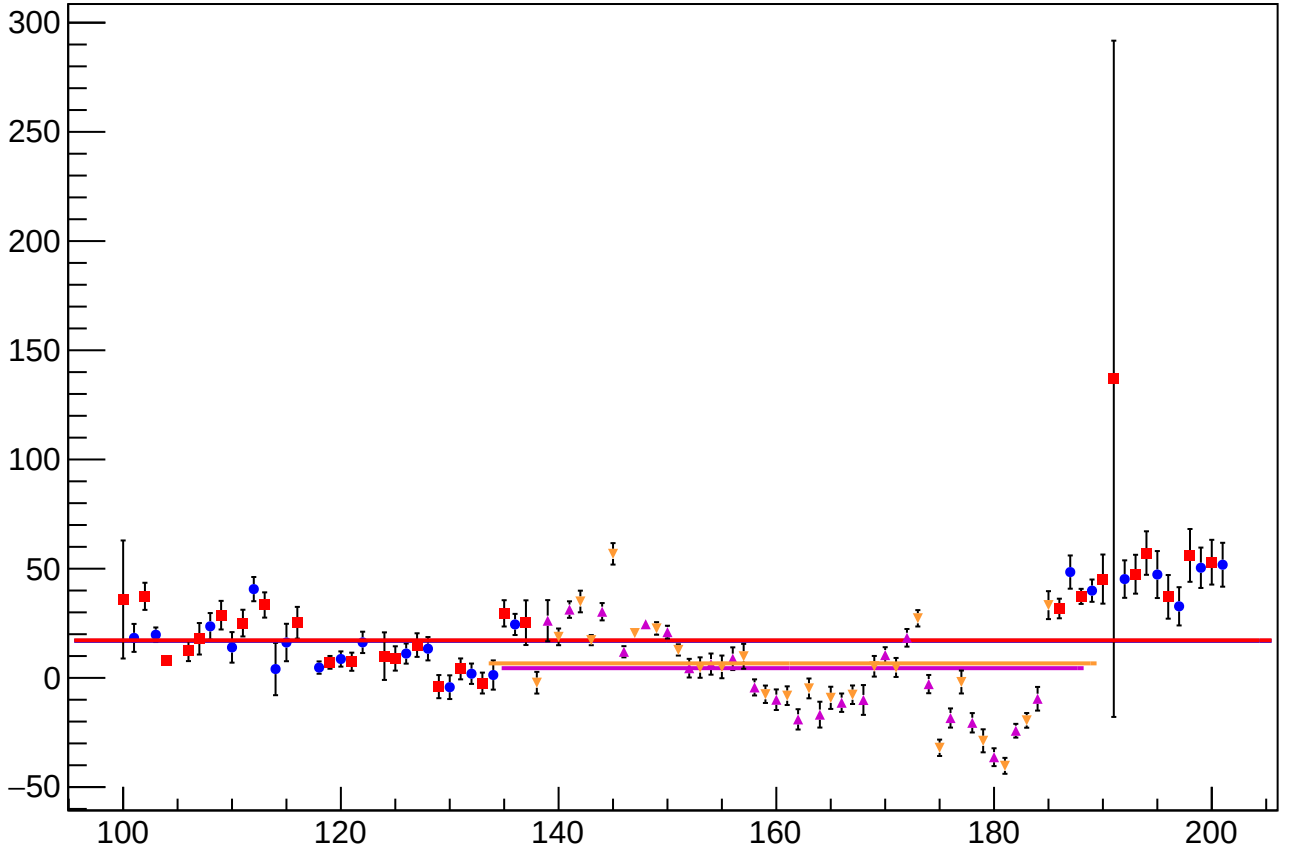
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -218.553+/-0.738 χ^2/NDF: 9608.2/47

All: -222.793+/-0.513 χ^2/NDF: 22915.0/98

- sign -226.771+/-0.715 χ^2/NDF: 13242.8/50

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: 17.195+/-1.007 χ^2/NDF: 212.8/27

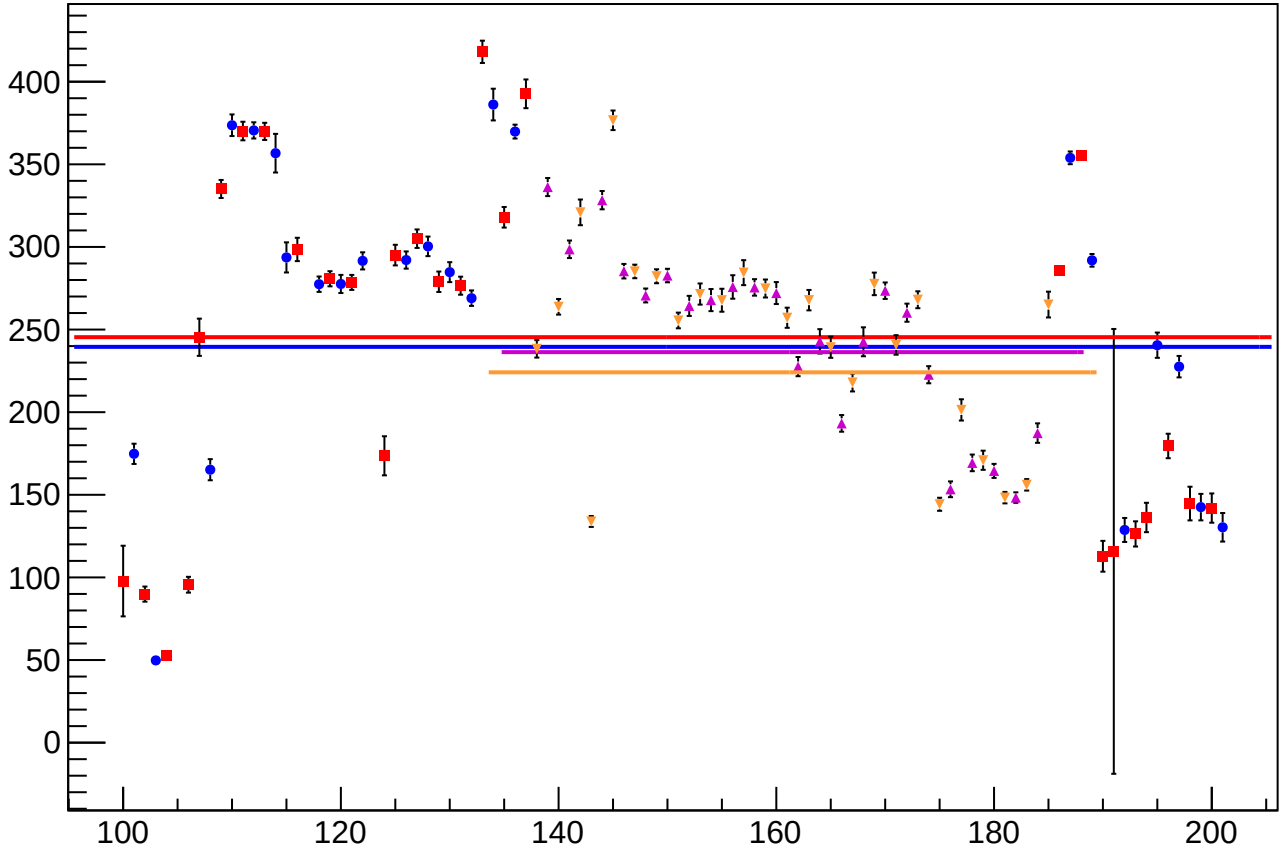
Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 9.868+/-0.624 χ^2/NDF: 960.0/47

All: 9.651+/-0.443 χ^2/NDF: 1837.7/98

- sign 9.430+/-0.630 χ^2/NDF: 877.4/50

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 239.530+/-1.082 χ^2/NDF: 11044.1/22

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

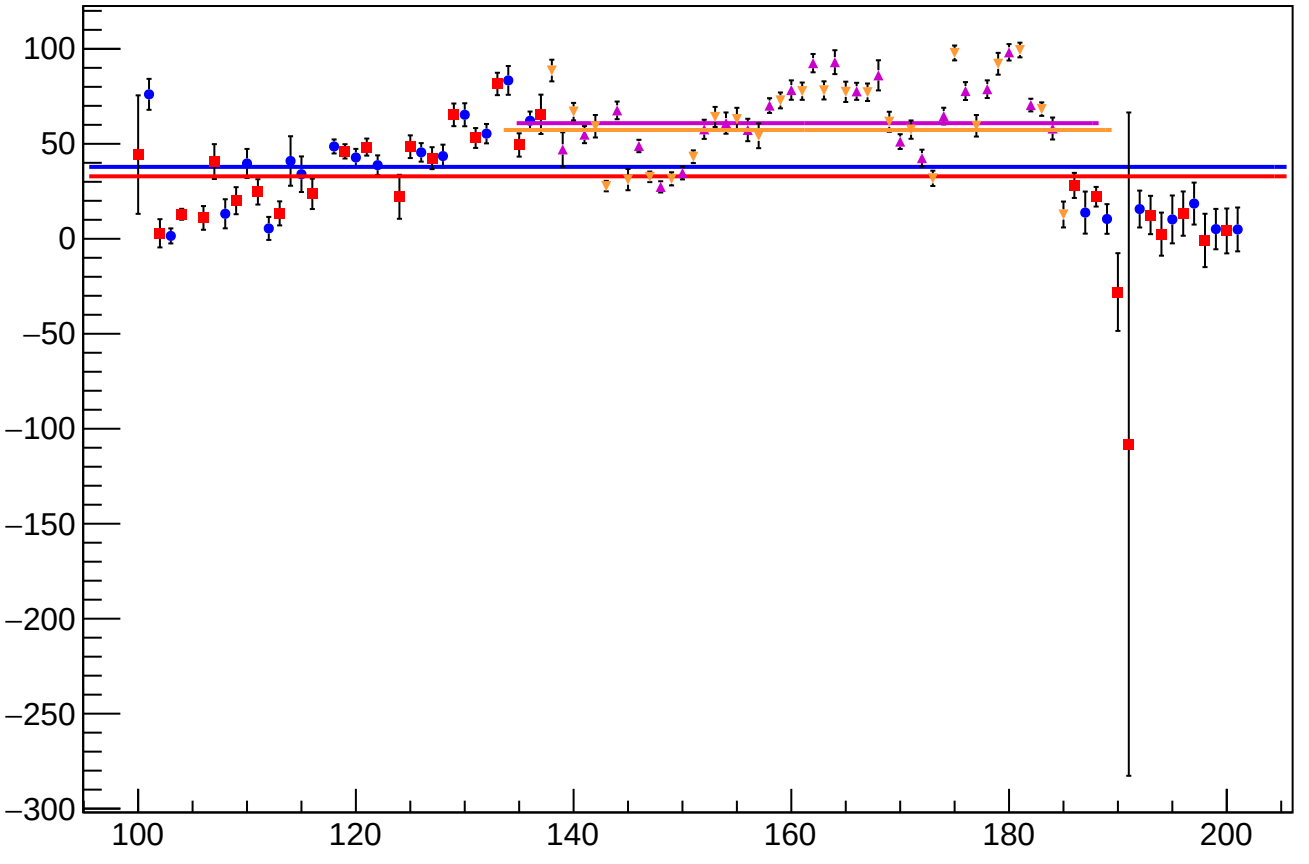
Right Out: 245.395+/-0.933 χ^2/NDF: 16379.2/27

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 231.326+/-0.740 χ^2/NDF: 15118.8/47

All: 236.662+/-0.509 χ^2/NDF: 34630.7/98

- sign 241.471+/-0.702 χ^2/NDF: 19413.0/50



Right In: 37.863+/-1.315 χ^2/NDF: 299.5/22

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

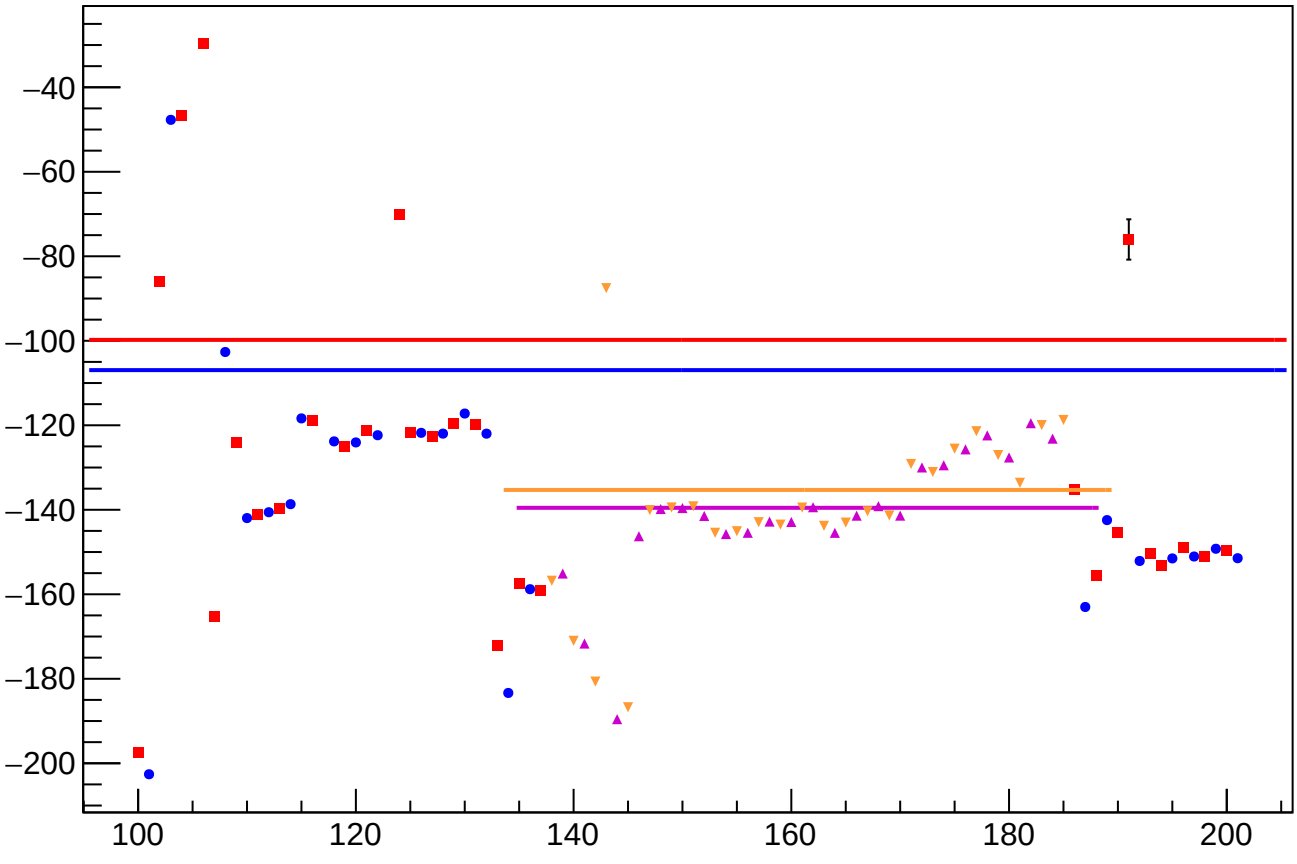
Right Out: 32.885+/-1.216 χ^2/NDF: 297.9/27

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 51.395+/-0.724 χ^2/NDF: 1219.3/47

All: 51.028+/-0.516 χ^2/NDF: 2308.8/98

- sign 50.649+/-0.735 χ^2/NDF: 1089.0/50



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: -99.786+/-0.059 χ^2/NDF: 687506.6/27

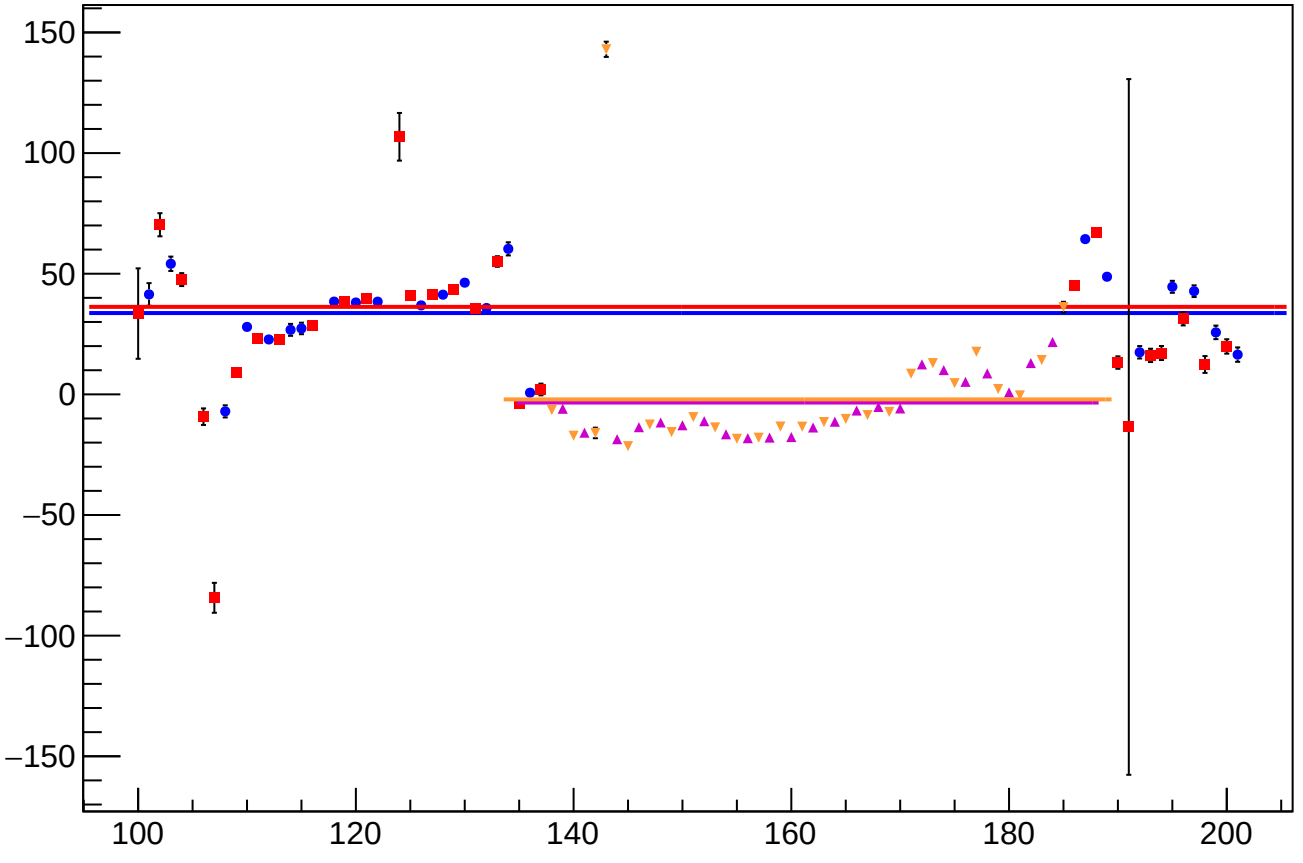
Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -126.756+/-0.034 χ^2/NDF: 1061687.9/47

All: -126.474+/-0.024 χ^2/NDF: 2162978.3/98

- sign -126.186+/-0.034 χ^2/NDF: 1101151.1/50

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

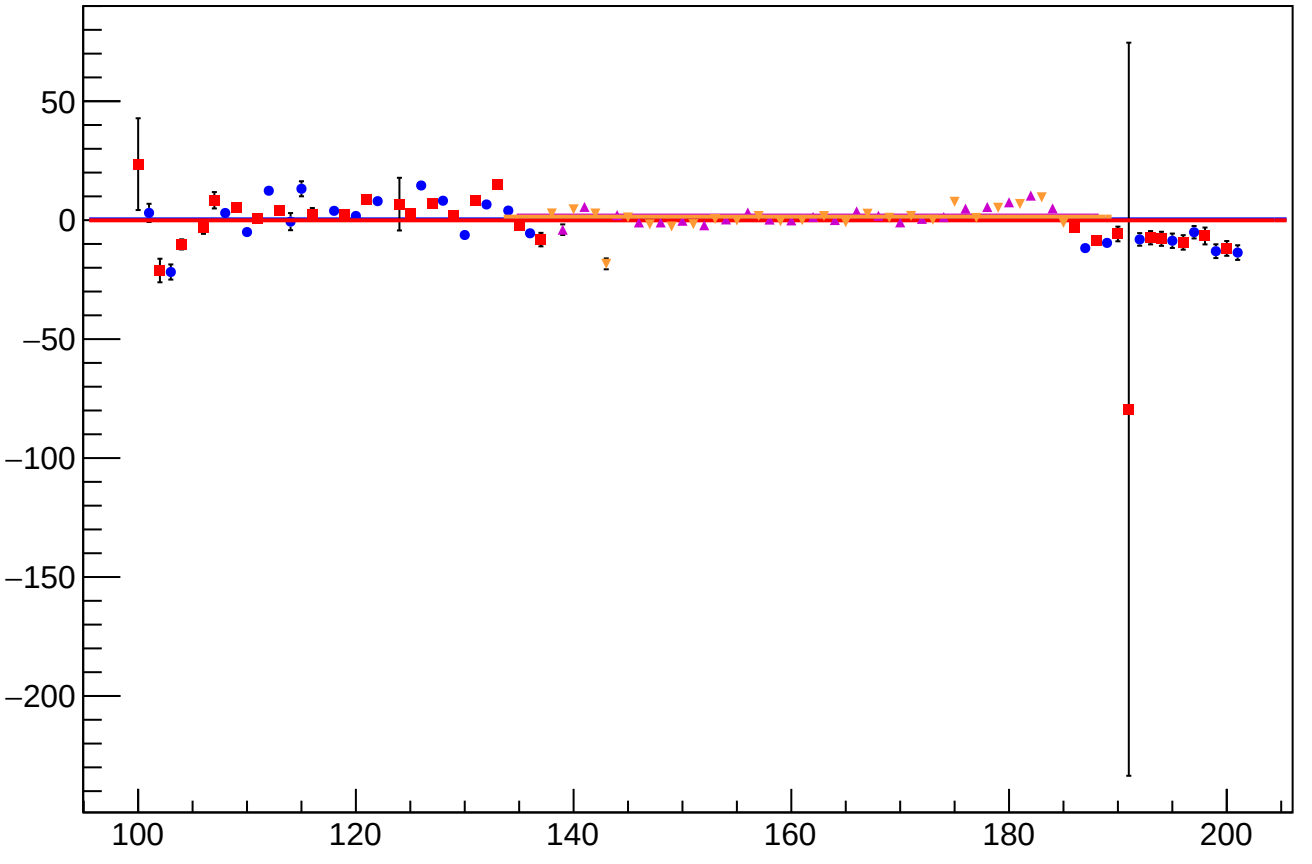
Right Out: 36.264+/-0.319 χ^2/NDF: 4567.0/27

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 10.291+/-0.216 χ^2/NDF: 12694.7/47

All: 11.850+/-0.149 χ^2/NDF: 28095.9/98

- sign 13.278+/-0.207 χ^2/NDF: 15301.2/50



Right In: 0.341+/-0.395 χ^2/NDF: 425.2/22

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

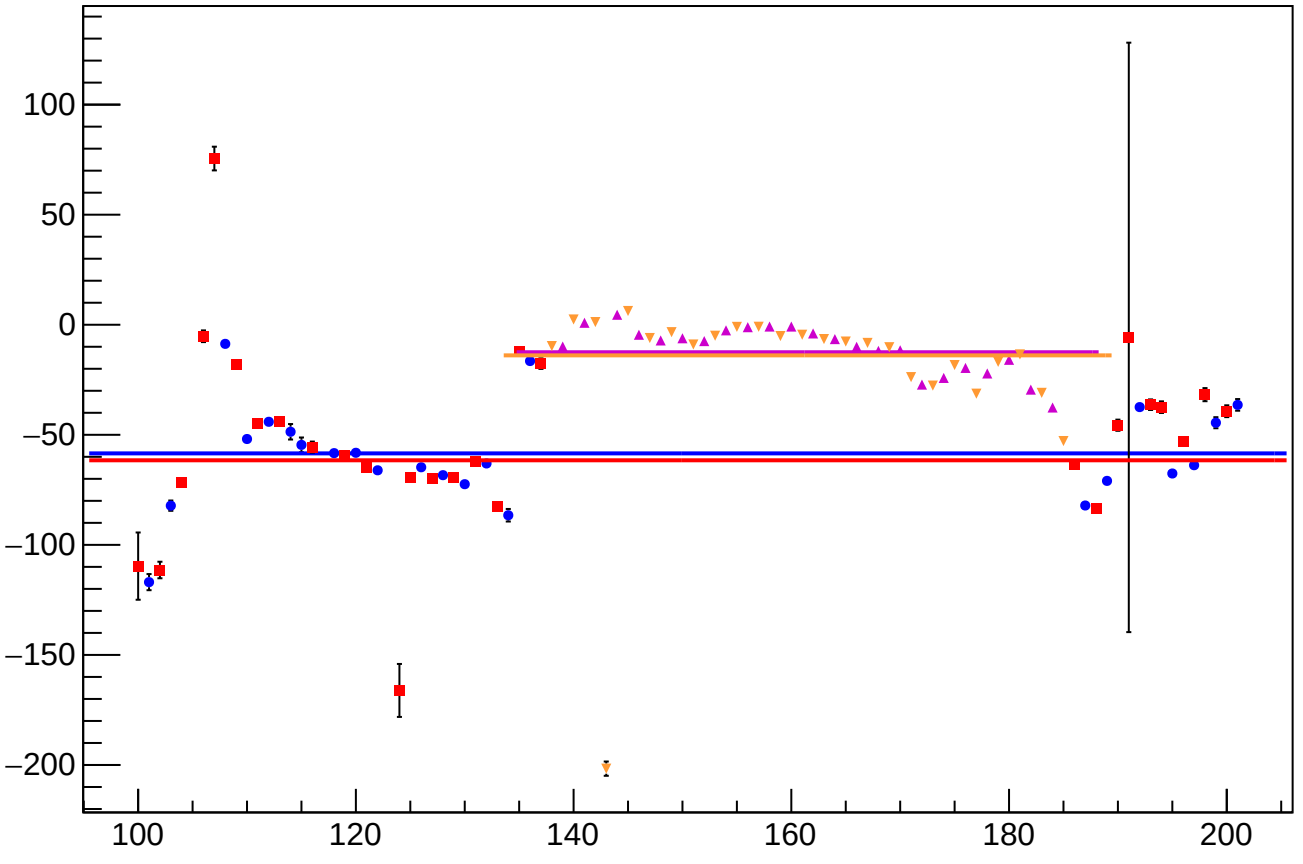
Right Out: -0.064+/-0.367 χ^2/NDF: 363.1/27

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.246+/-0.182 χ^2/NDF: 760.4/47

All: 1.342+/-0.129 χ^2/NDF: 1387.0/98

\- sign 1.439+/-0.183 χ^2/NDF: 626.0/50



Right In: -58.439+/-0.381 χ^2/NDF: 3324.6/22

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

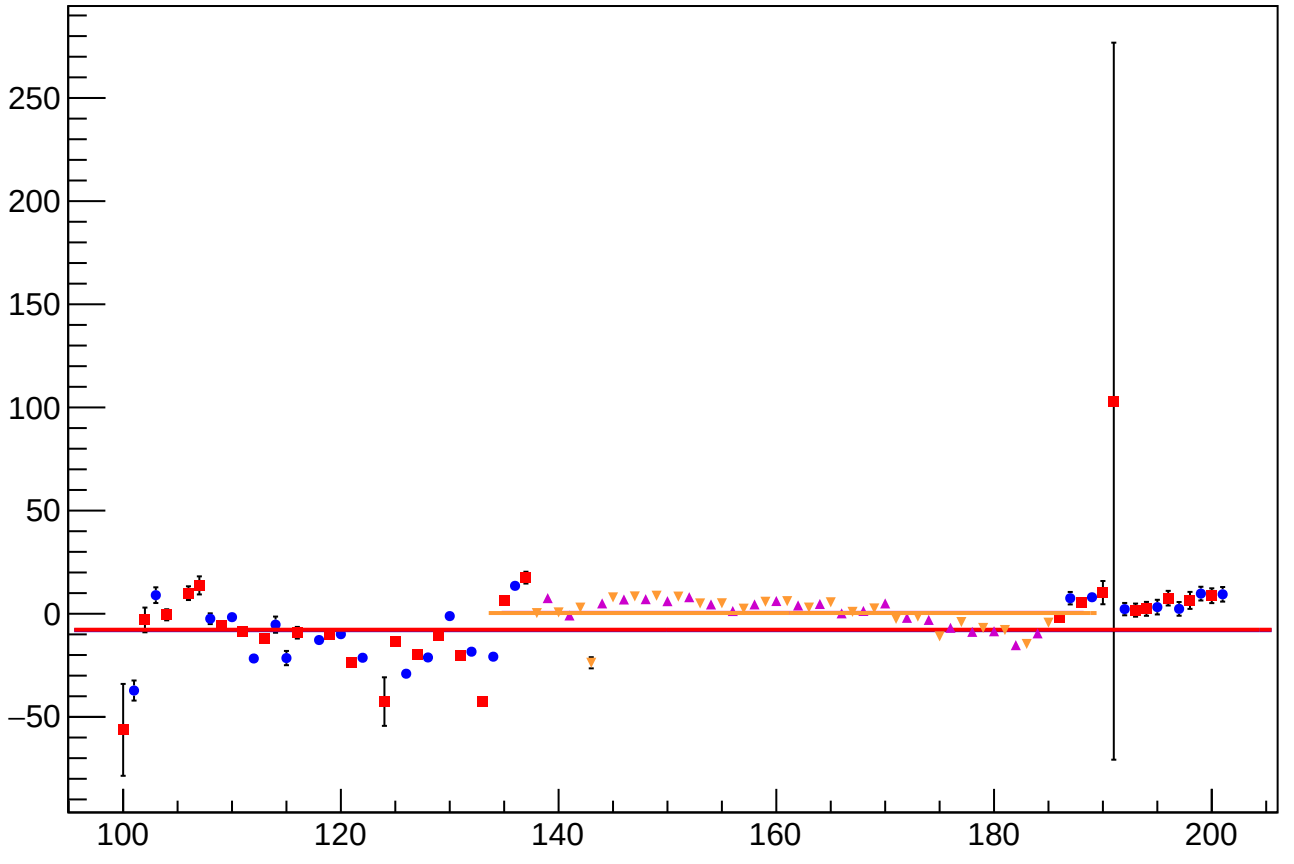
Right Out: -61.579+/-0.314 χ^2/NDF: 5377.7/27

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -28.388+/-0.217 χ^2/NDF: 17655.0/47

All: -30.963+/-0.149 χ^2/NDF: 38826.5/98

\- sign -33.233+/-0.204 χ^2/NDF: 20907.6/50



Right In: -7.964+/-0.463 χ^2/NDF: 852.4/22

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

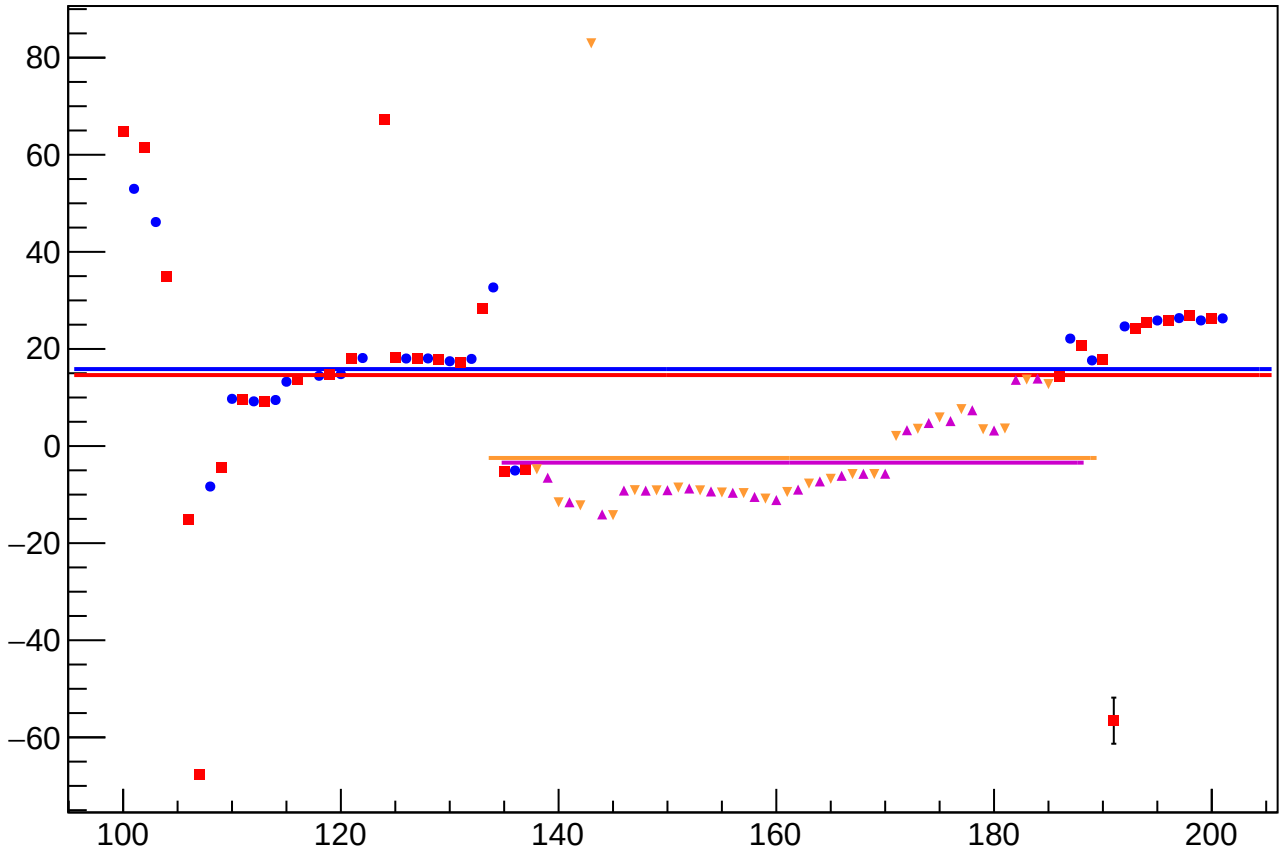
Right Out: -7.745+/-0.444 χ^2/NDF: 886.4/27

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.314+/-0.207 χ^2/NDF: 2031.9/47

All: -1.343+/-0.147 χ^2/NDF: 3964.2/98

\- sign -1.373+/-0.209 χ^2/NDF: 1932.2/50



Right In: 15.856+/-0.024 χ^2/NDF: 421487.5/22

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

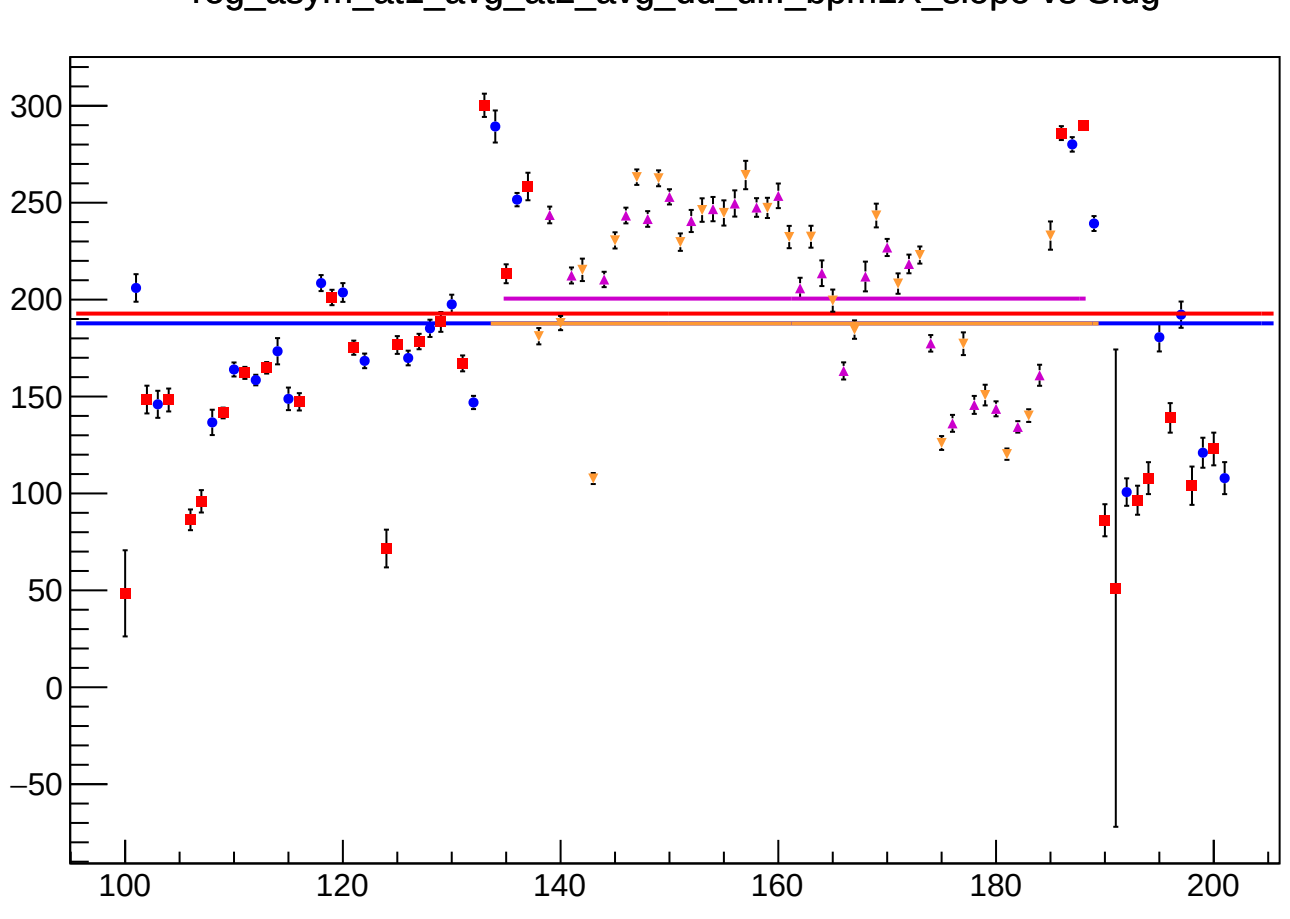
Right Out: 14.621+/-0.024 χ^2/NDF: 533105.9/27

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.395+/-0.010 χ^2/NDF: 1869673.2/47

All: -0.073+/-0.007 χ^2/NDF: 3429711.7/98

- sign -0.546+/-0.010 χ^2/NDF: 1555171.1/50



Right In: 187.756+/-0.966 χ^2/NDF: 2142.4/22

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

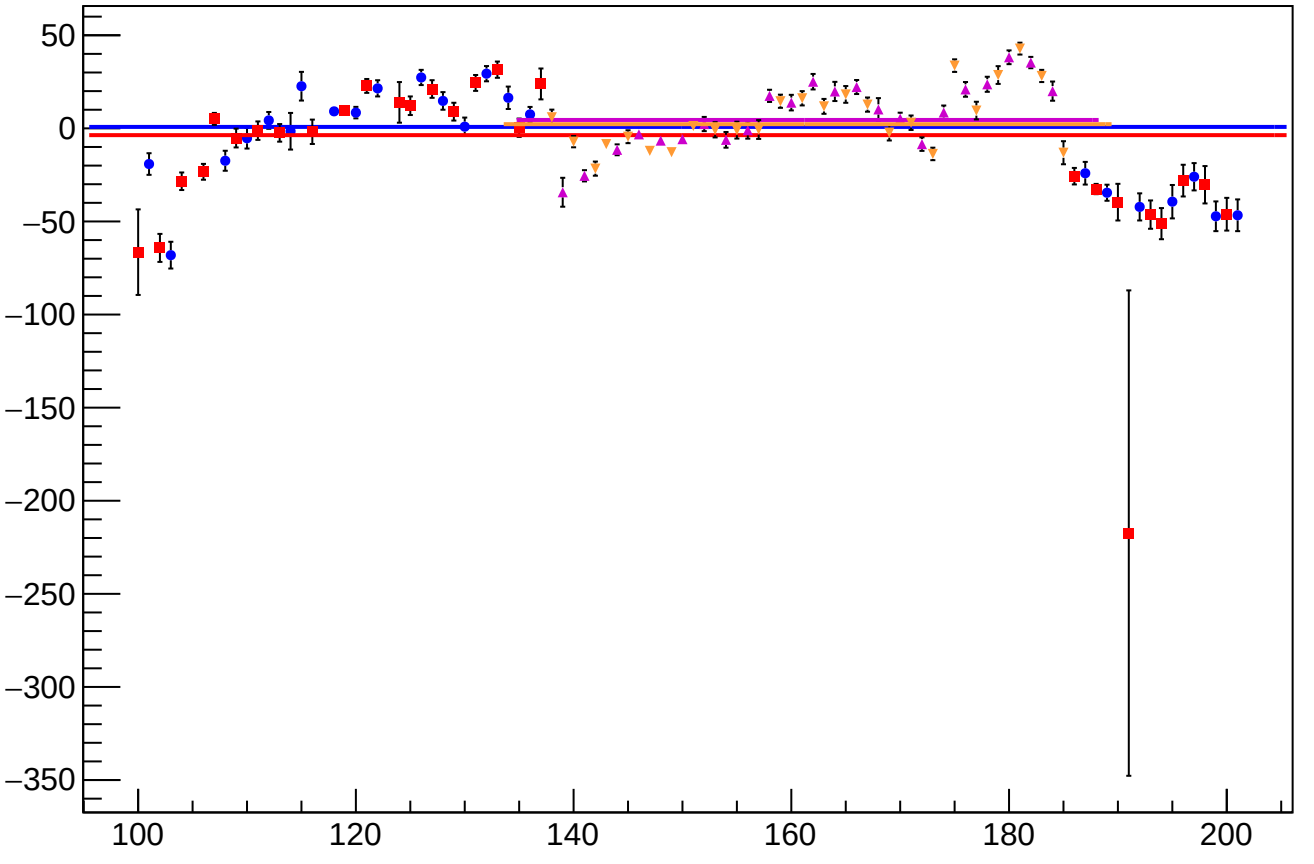
Right Out: 192.793+/-0.851 χ^2/NDF: 5829.8/27

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 187.716+/-0.657 χ^2/NDF: 5670.8/47

All: 192.110+/-0.457 χ^2/NDF: 13734.9/98

\- sign 196.212+/-0.635 χ^2/NDF: 7977.8/50



Right In: 0.776+/-1.017 χ^2/NDF: 493.5/22

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

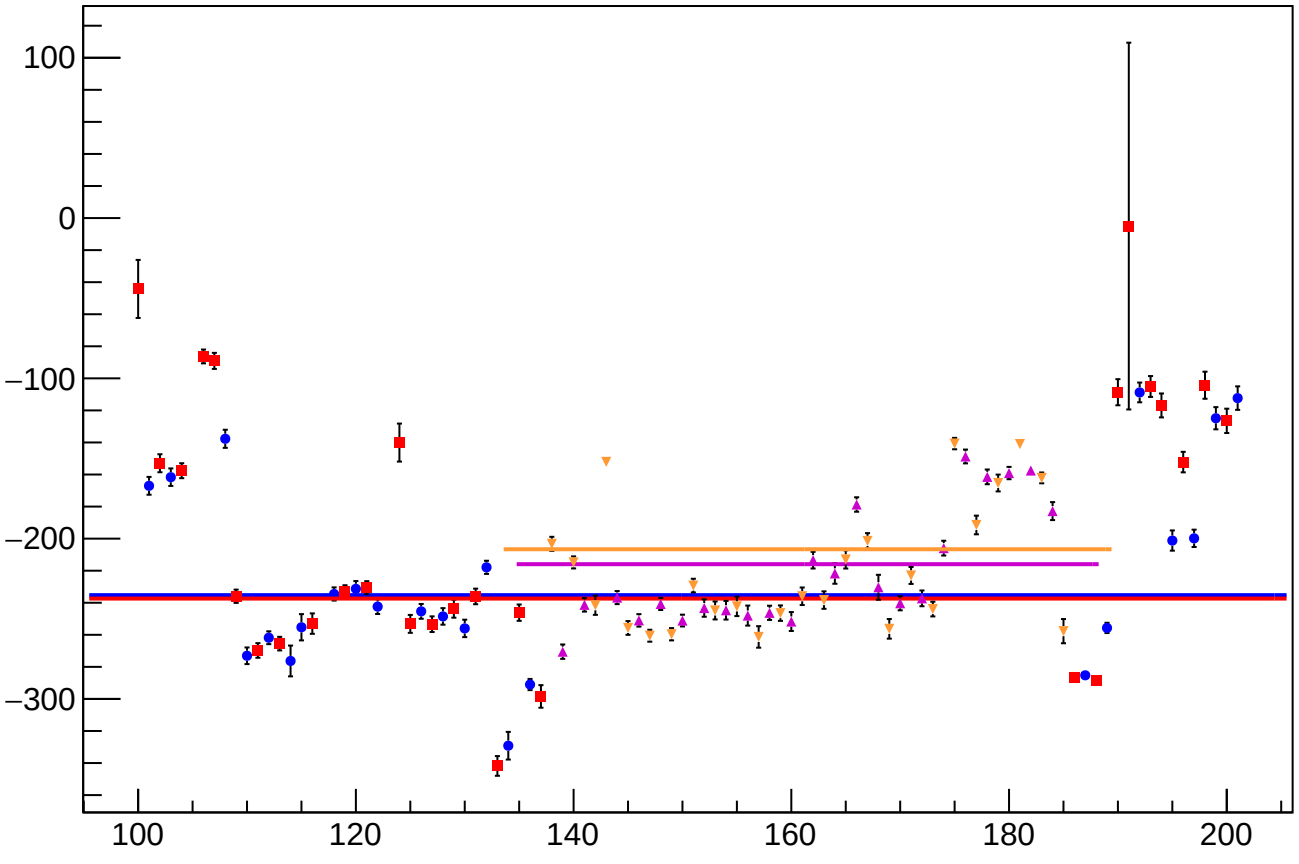
Right Out: -3.642+/-0.934 χ^2/NDF: 626.2/27

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.806+/-0.556 χ^2/NDF: 1095.8/47

All: 1.657+/-0.397 χ^2/NDF: 2317.4/98

- sign 1.502+/-0.567 χ^2/NDF: 1221.5/50



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: -237.392+/-0.859 χ^2/NDF: 6198.1/27

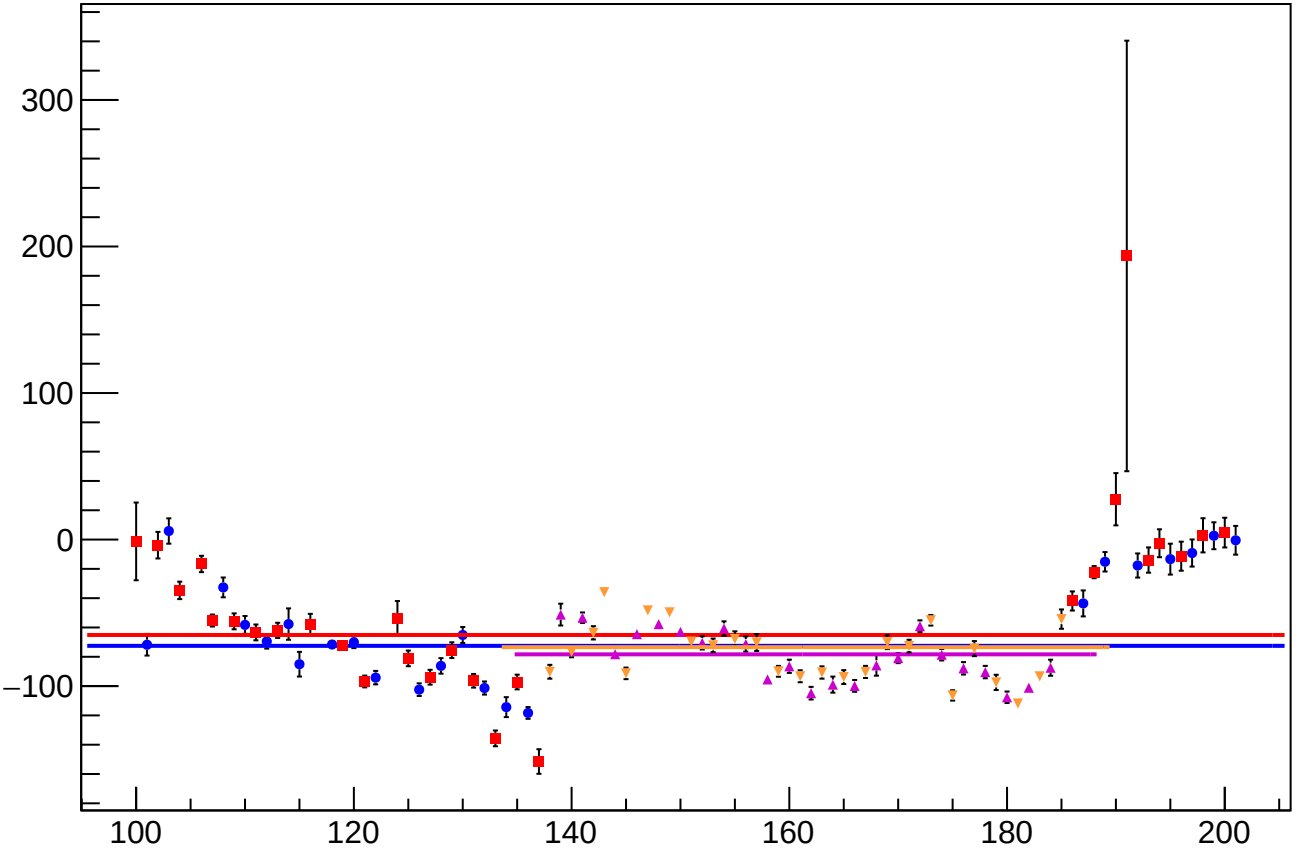
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.159+/-0.671 χ^2/NDF: 5423.4/47

All: -223.651+/-0.462 χ^2/NDF: 13700.4/98

- sign -227.692+/-0.636 χ^2/NDF: 8191.7/50

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -72.530+/-1.198 χ^2/NDF: 743.8/22

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

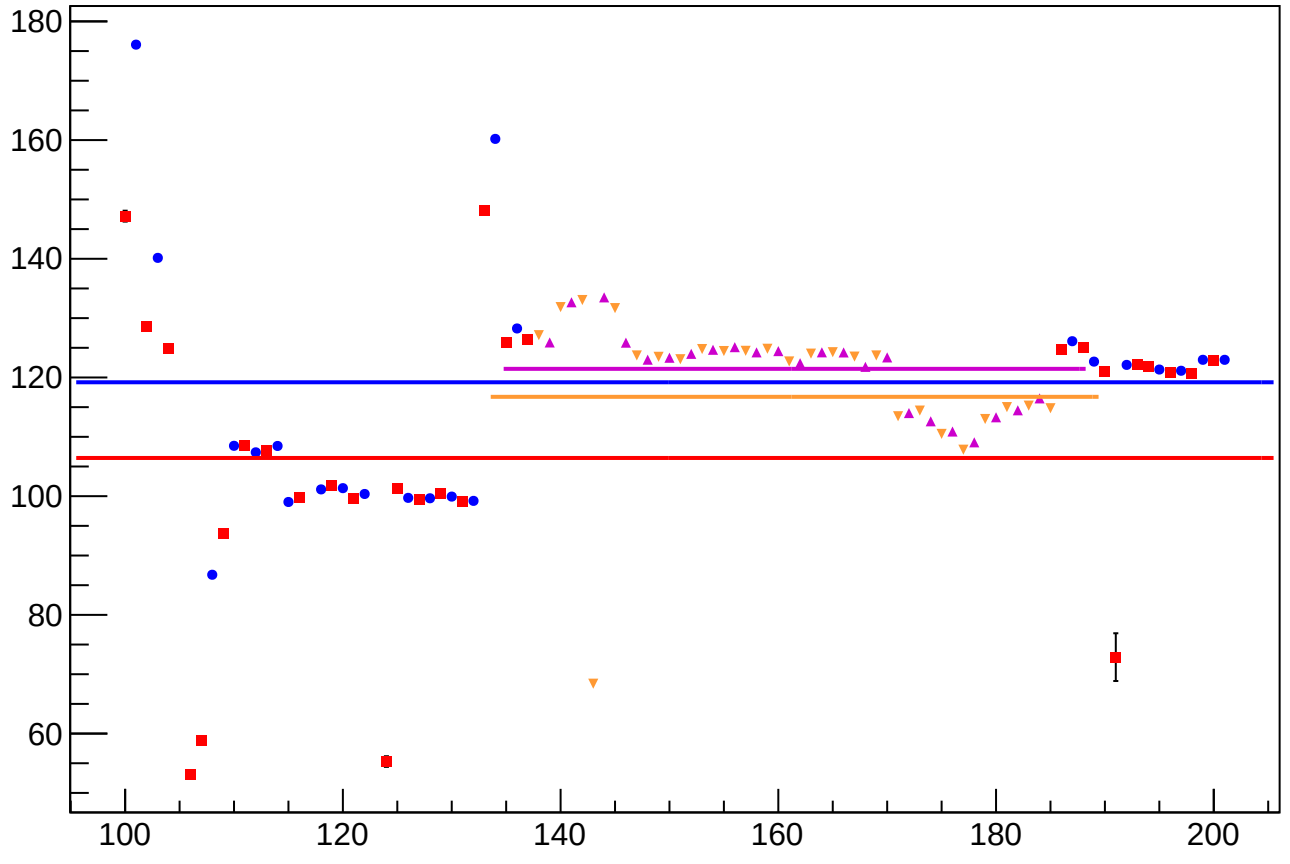
Right Out: -65.116+/-1.120 χ^2/NDF: 978.1/27

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.166+/-0.646 χ^2/NDF: 1580.7/47

All: -73.445+/-0.462 χ^2/NDF: 3093.2/98

- sign -73.737+/-0.660 χ^2/NDF: 1512.1/50



Right In: 119.191+/-0.065 χ^2/NDF: 96693.4/22

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

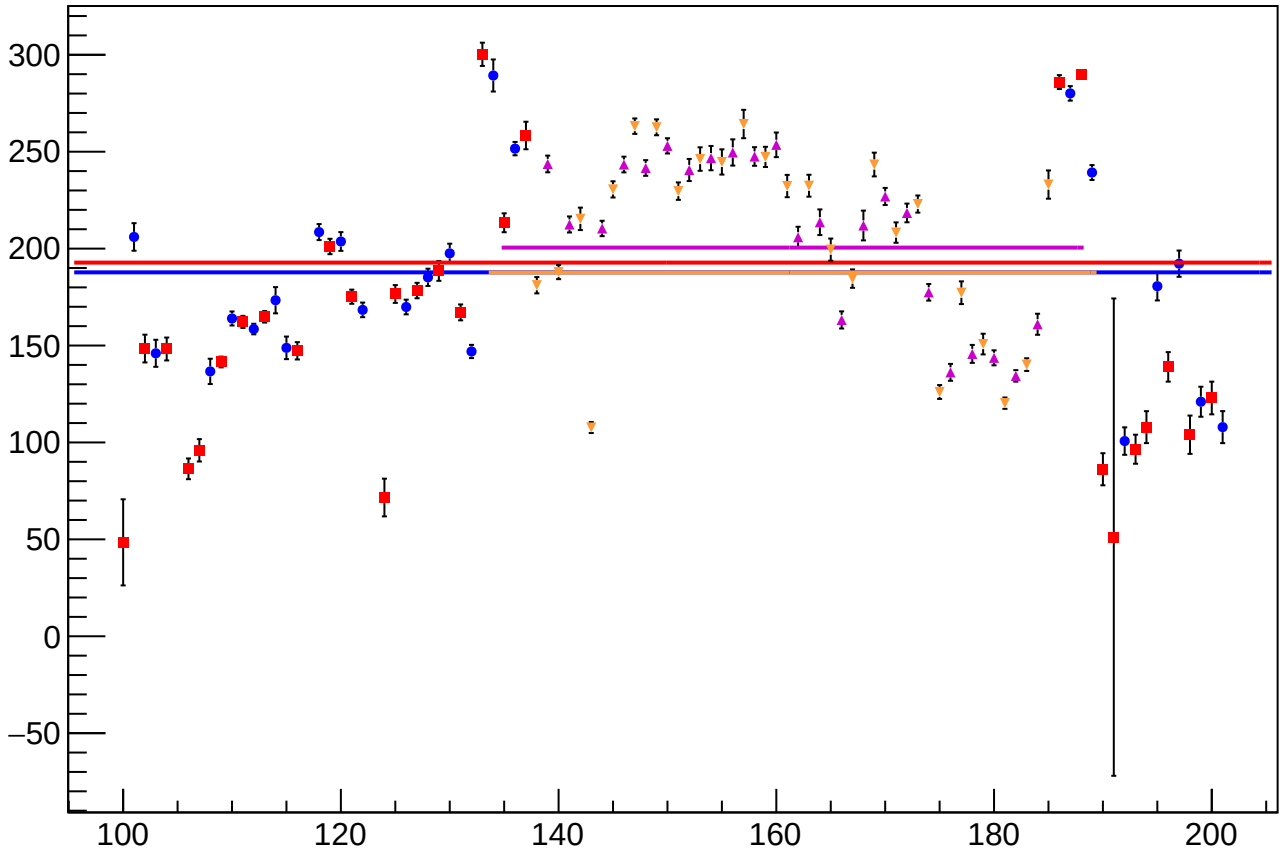
Right Out: 106.439+/-0.059 χ^2/NDF: 198453.5/27

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.315+/-0.031 χ^2/NDF: 301442.1/47

All: 117.242+/-0.022 χ^2/NDF: 575056.7/98

- sign 117.168+/-0.032 χ^2/NDF: 273603.6/50



Right In: 187.756+/-0.966 χ^2/NDF: 2142.4/22

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

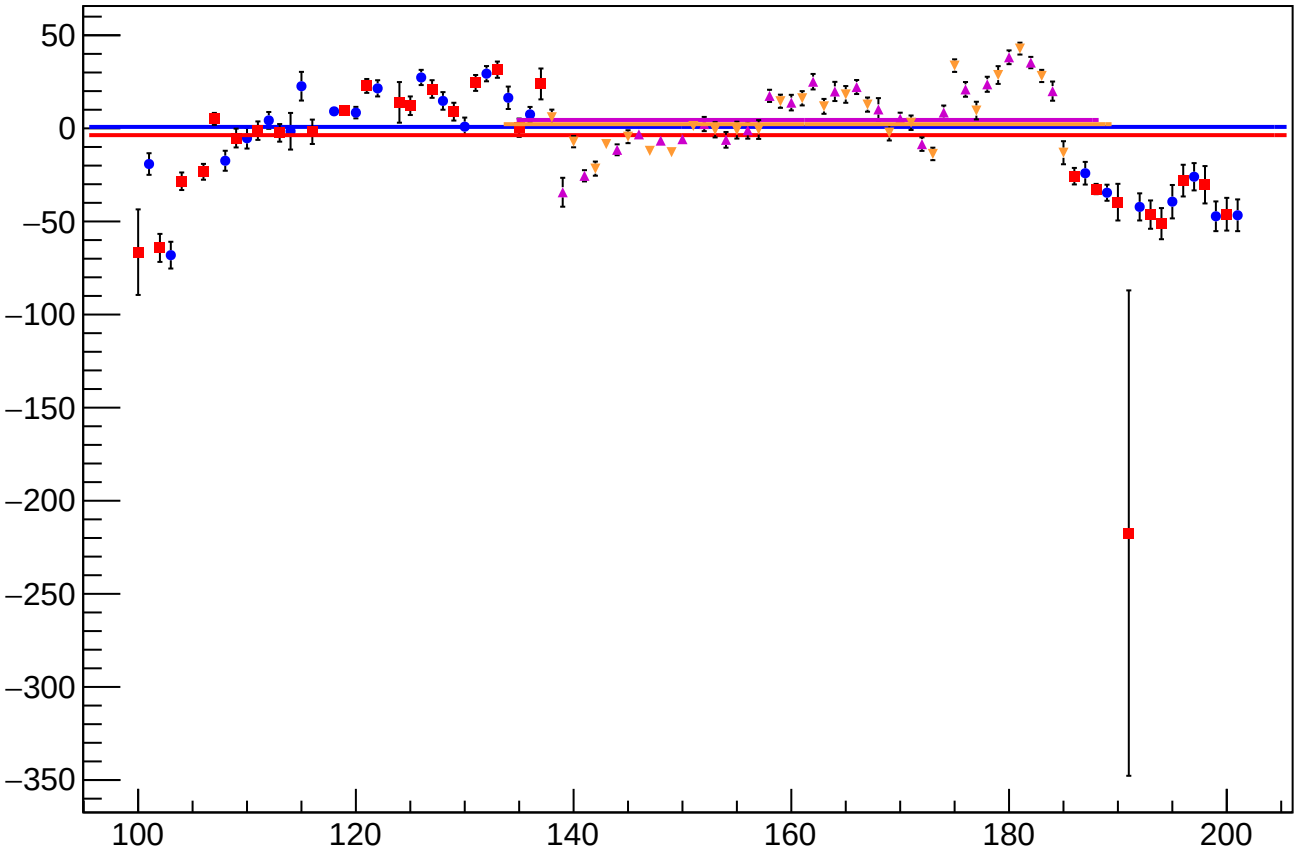
Right Out: 192.793+/-0.851 χ^2/NDF: 5829.8/27

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 187.716+/-0.657 χ^2/NDF: 5670.8/47

All: 192.110+/-0.457 χ^2/NDF: 13734.9/98

- sign 196.212+/-0.635 χ^2/NDF: 7977.8/50



Right In: 0.776+/-1.017 χ^2/NDF: 493.5/22

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

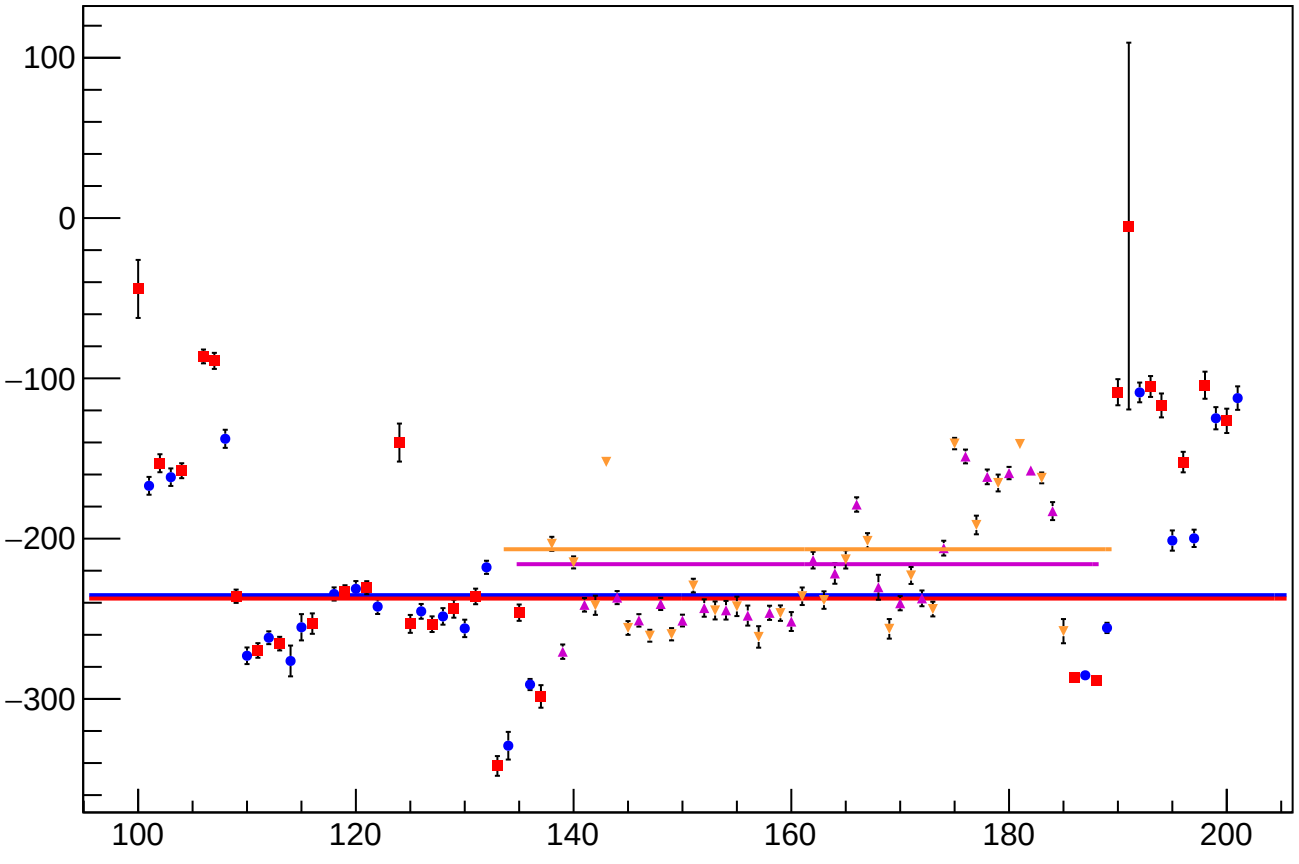
Right Out: -3.642+/-0.934 χ^2/NDF: 626.2/27

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.806+/-0.556 χ^2/NDF: 1095.8/47

All: 1.657+/-0.397 χ^2/NDF: 2317.4/98

- sign 1.502+/-0.567 χ^2/NDF: 1221.5/50



Right In: -235.258+/-1.014 χ^2/NDF: 2506.9/22

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

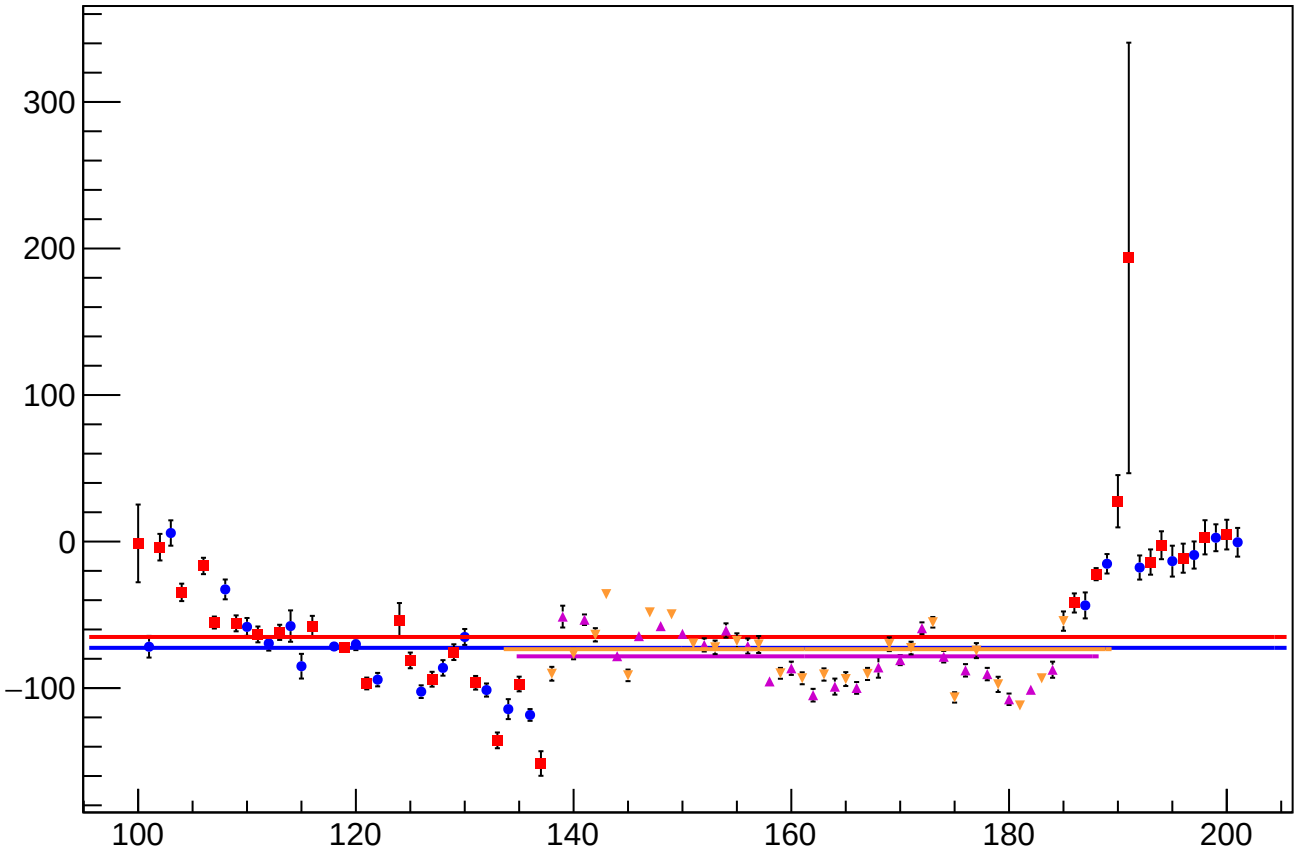
Right Out: -237.392+/-0.859 χ^2/NDF: 6198.1/27

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.159+/-0.671 χ^2/NDF: 5423.4/47

All: -223.651+/-0.462 χ^2/NDF: 13700.4/98

- sign -227.692+/-0.636 χ^2/NDF: 8191.7/50



Right In: -72.530+/-1.198 χ^2/NDF: 743.8/22

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

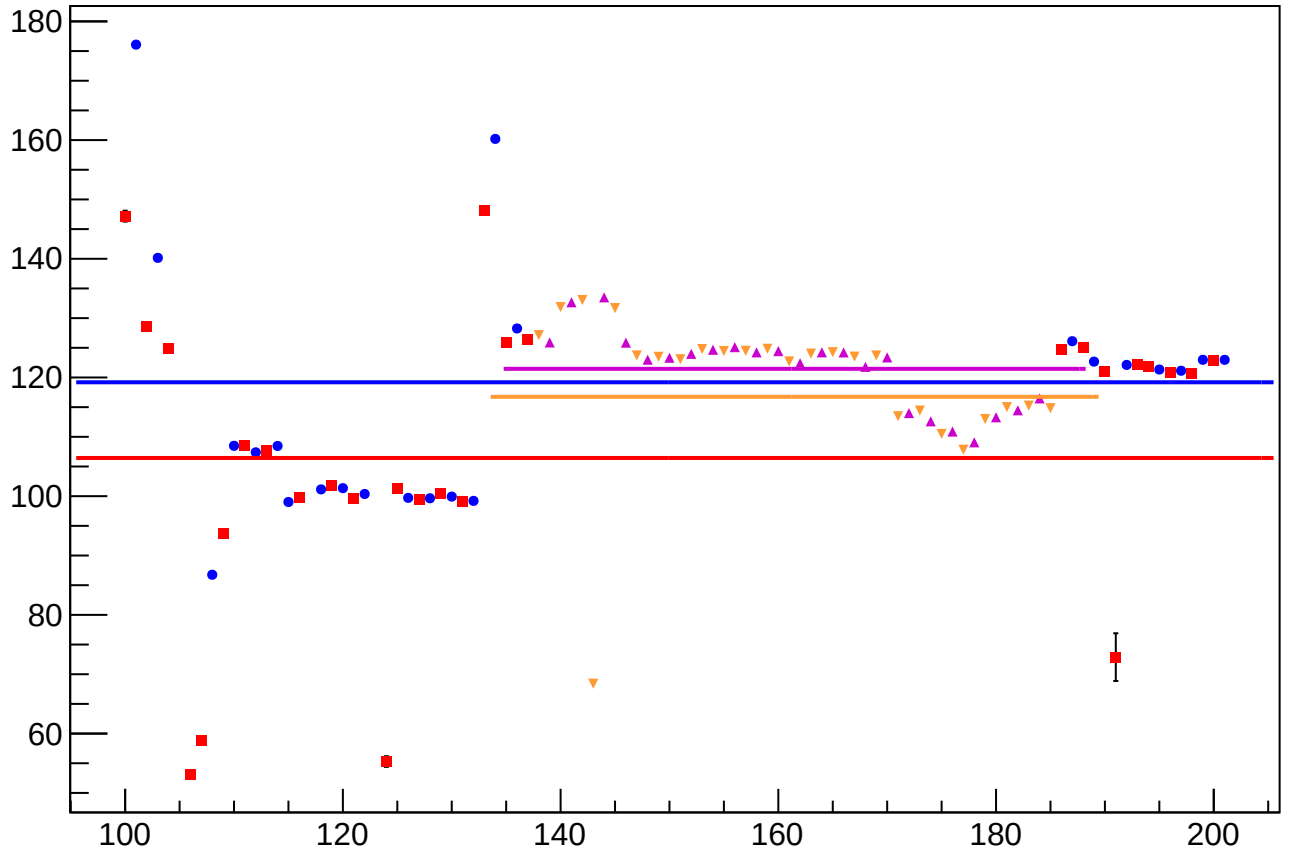
Right Out: -65.116+/-1.120 χ^2/NDF: 978.1/27

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.166+/-0.646 χ^2/NDF: 1580.7/47

All: -73.445+/-0.462 χ^2/NDF: 3093.2/98

- sign -73.737+/-0.660 χ^2/NDF: 1512.1/50



Right In: 119.191+/-0.065 χ^2/NDF: 96693.4/22

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

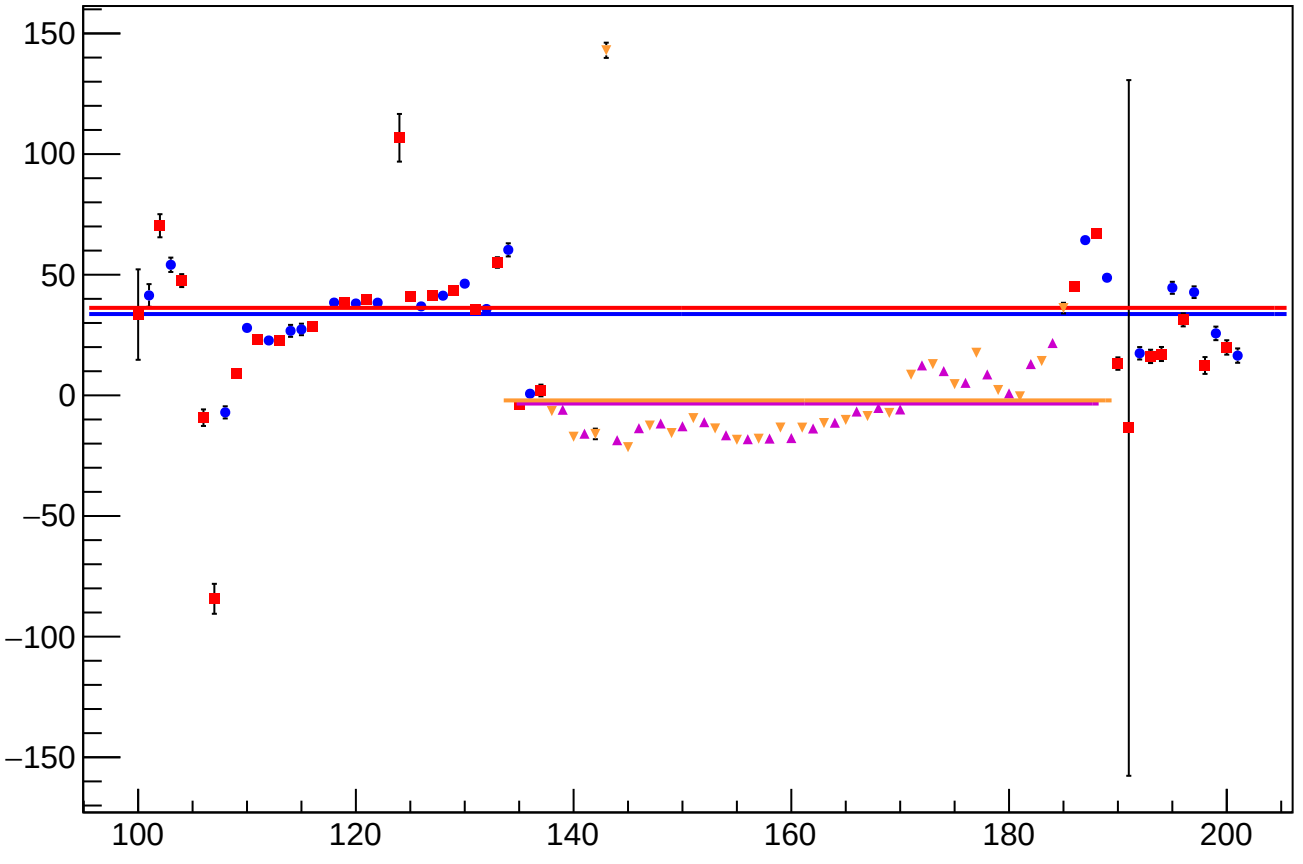
Right Out: 106.439+/-0.059 χ^2/NDF: 198453.5/27

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.315+/-0.031 χ^2/NDF: 301442.1/47

All: 117.242+/-0.022 χ^2/NDF: 575056.7/98

- sign 117.168+/-0.032 χ^2/NDF: 273603.6/50



Right In: 33.699+/-0.367 χ^2/NDF: 2266.5/22

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

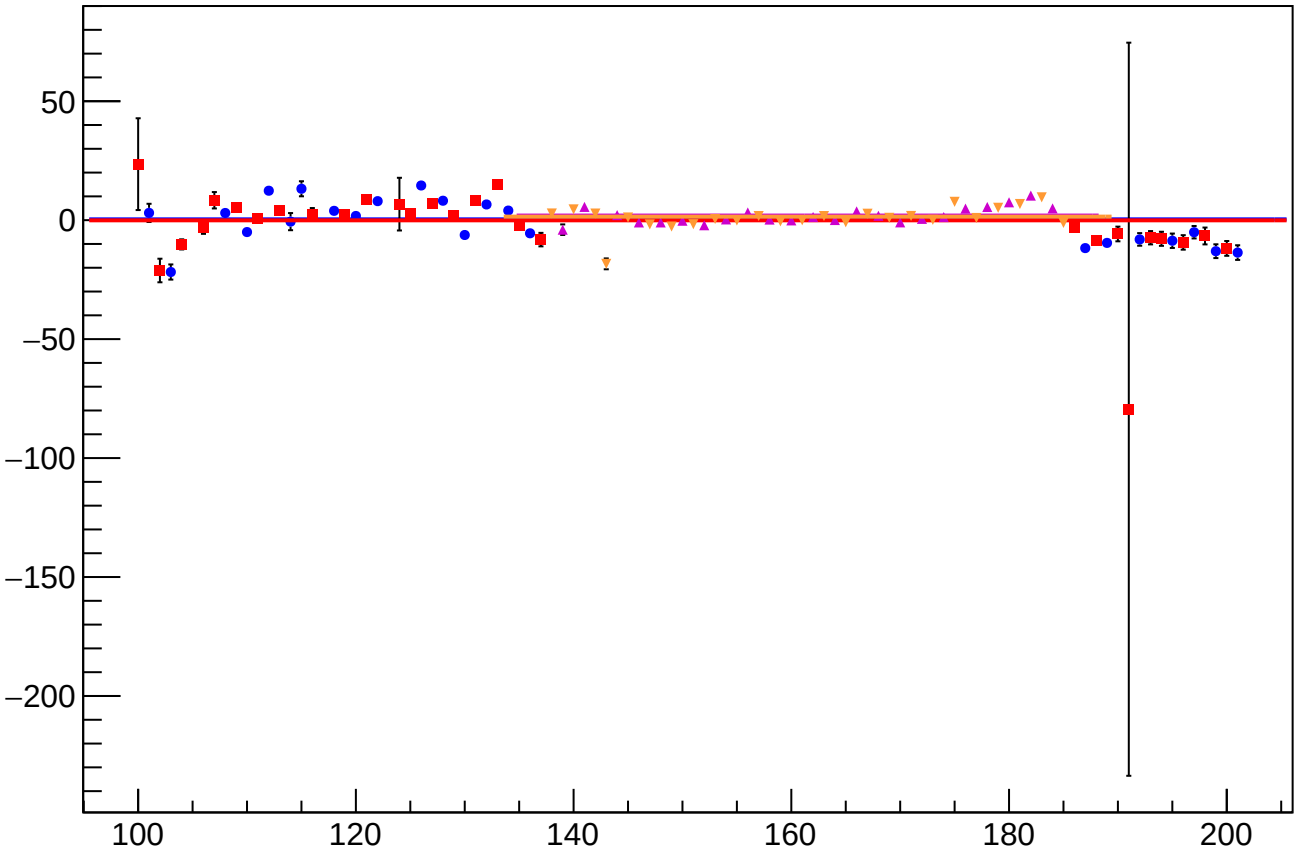
Right Out: 36.264+/-0.319 χ^2/NDF: 4567.0/27

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 10.291+/-0.216 χ^2/NDF: 12694.7/47

All: 11.850+/-0.149 χ^2/NDF: 28095.9/98

- sign 13.278+/-0.207 χ^2/NDF: 15301.2/50



Right In: 0.341+/-0.395 χ^2/NDF: 425.2/22

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

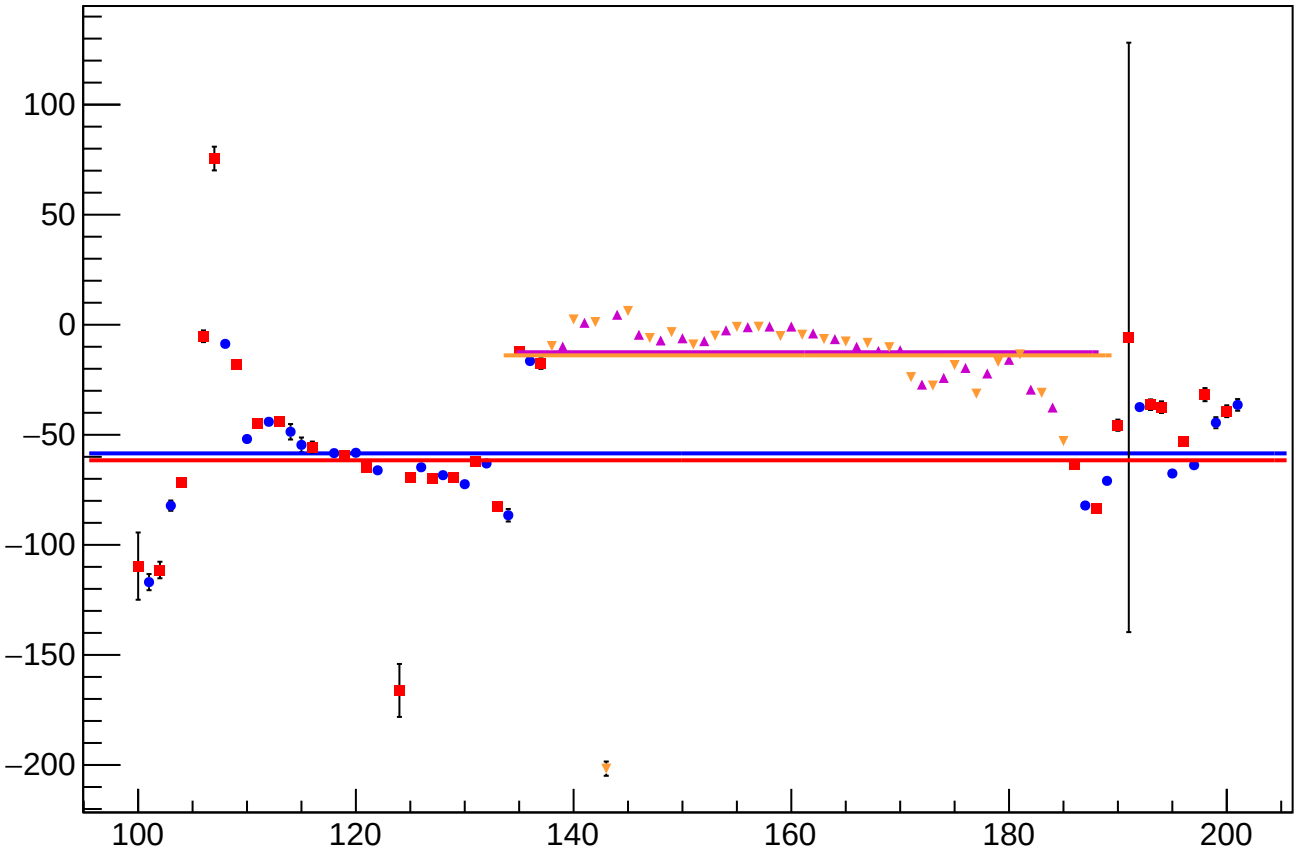
Right Out: -0.064+/-0.367 χ^2/NDF: 363.1/27

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.246+/-0.182 χ^2/NDF: 760.4/47

All: 1.342+/-0.129 χ^2/NDF: 1387.0/98

\- sign 1.439+/-0.183 χ^2/NDF: 626.0/50



Right In: -58.439+/-0.381 χ^2/NDF: 3324.6/22

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

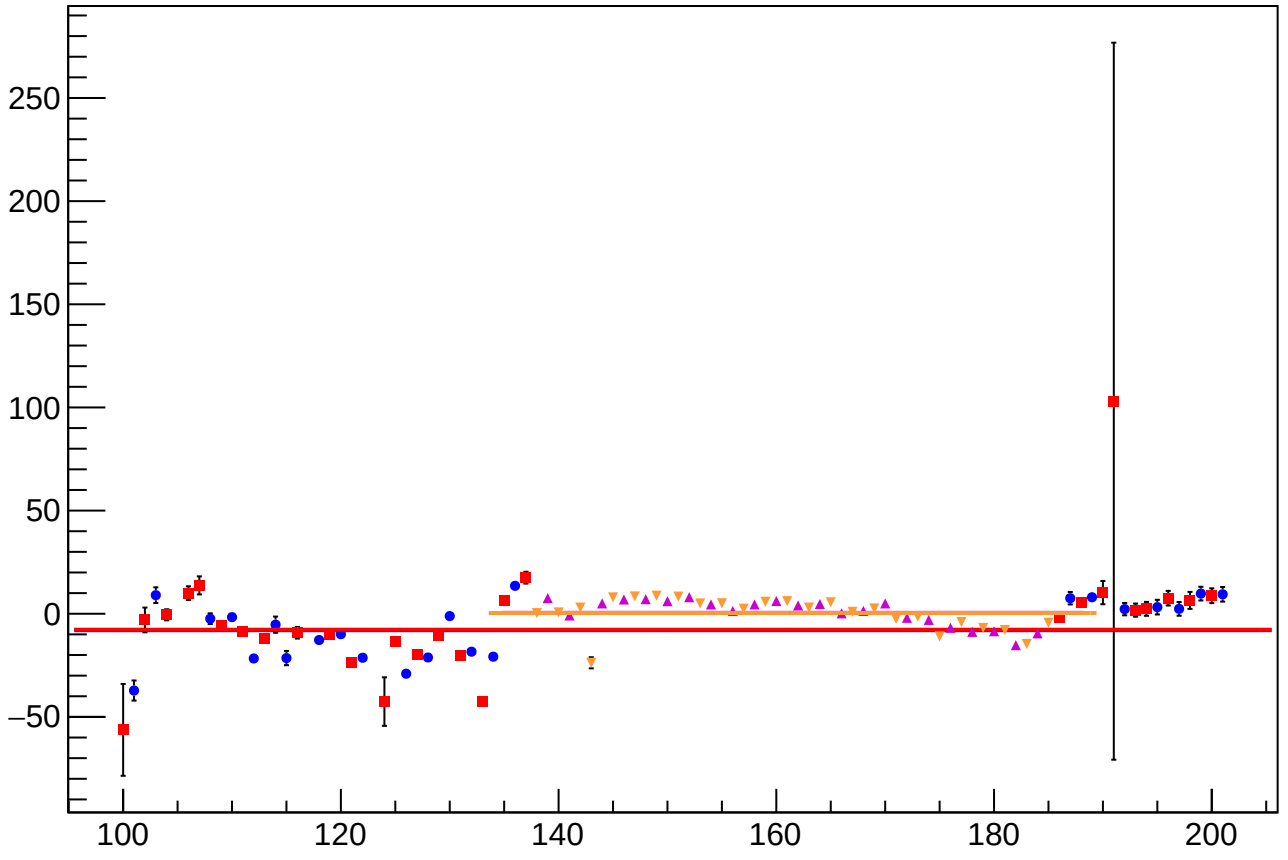
Right Out: -61.579+/-0.314 χ^2/NDF: 5377.7/27

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -28.388+/-0.217 χ^2/NDF: 17655.0/47

All: -30.963+/-0.149 χ^2/NDF: 38826.5/98

- sign -33.233+/-0.204 χ^2/NDF: 20907.6/50



Right In: -7.964+/-0.463 χ^2/NDF: 852.4/22

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

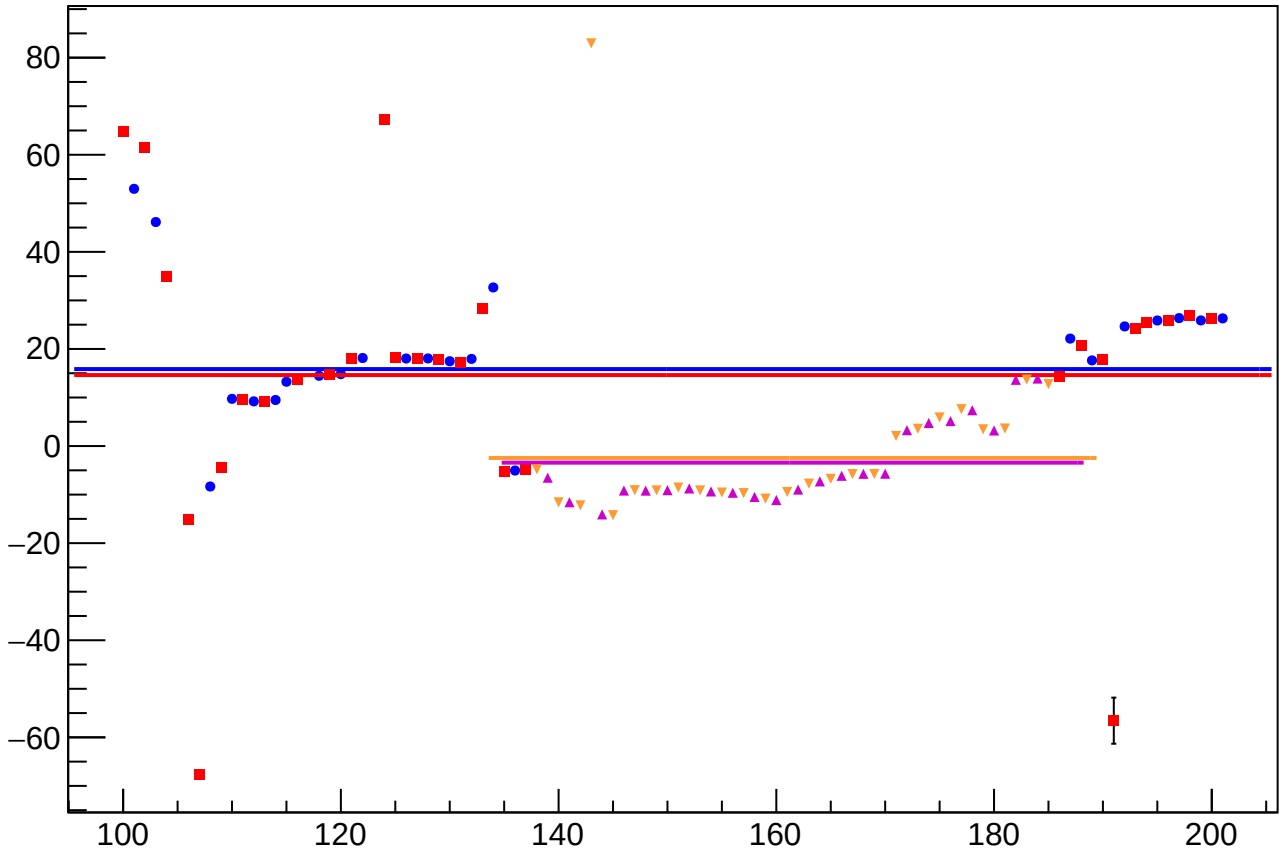
Right Out: -7.745+/-0.444 χ^2/NDF: 886.4/27

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.314+/-0.207 χ^2/NDF: 2031.9/47

All: -1.343+/-0.147 χ^2/NDF: 3964.2/98

- sign -1.373+/-0.209 χ^2/NDF: 1932.2/50



Right In: 15.856+/-0.024 χ^2/NDF: 421487.5/22

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

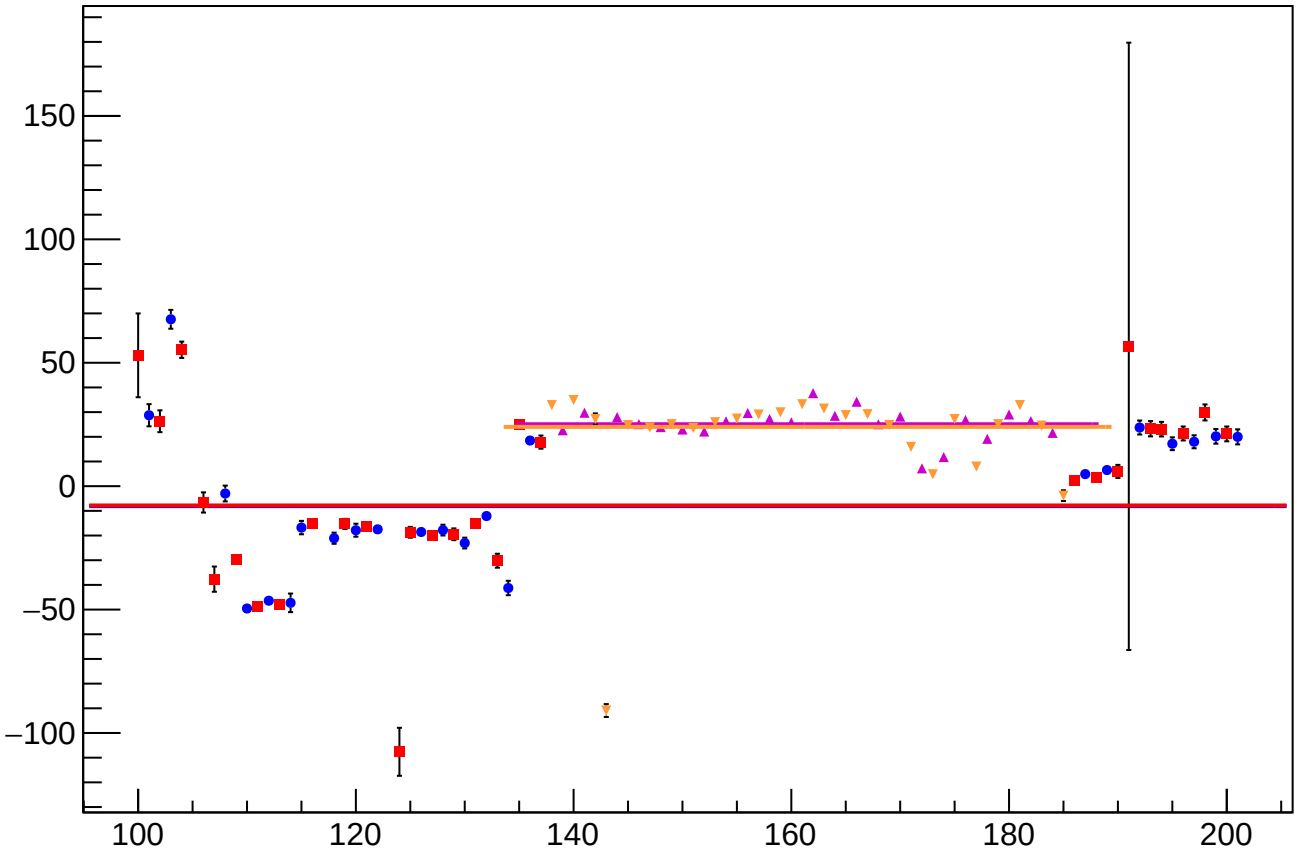
Right Out: 14.621+/-0.024 χ^2/NDF: 533105.9/27

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.395+/-0.010 χ^2/NDF: 1869673.2/47

All: -0.073+/-0.007 χ^2/NDF: 3429711.7/98

- sign -0.546+/-0.010 χ^2/NDF: 1555171.1/50



Right In: -8.078+/-0.464 χ^2/NDF: 2909.9/22

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

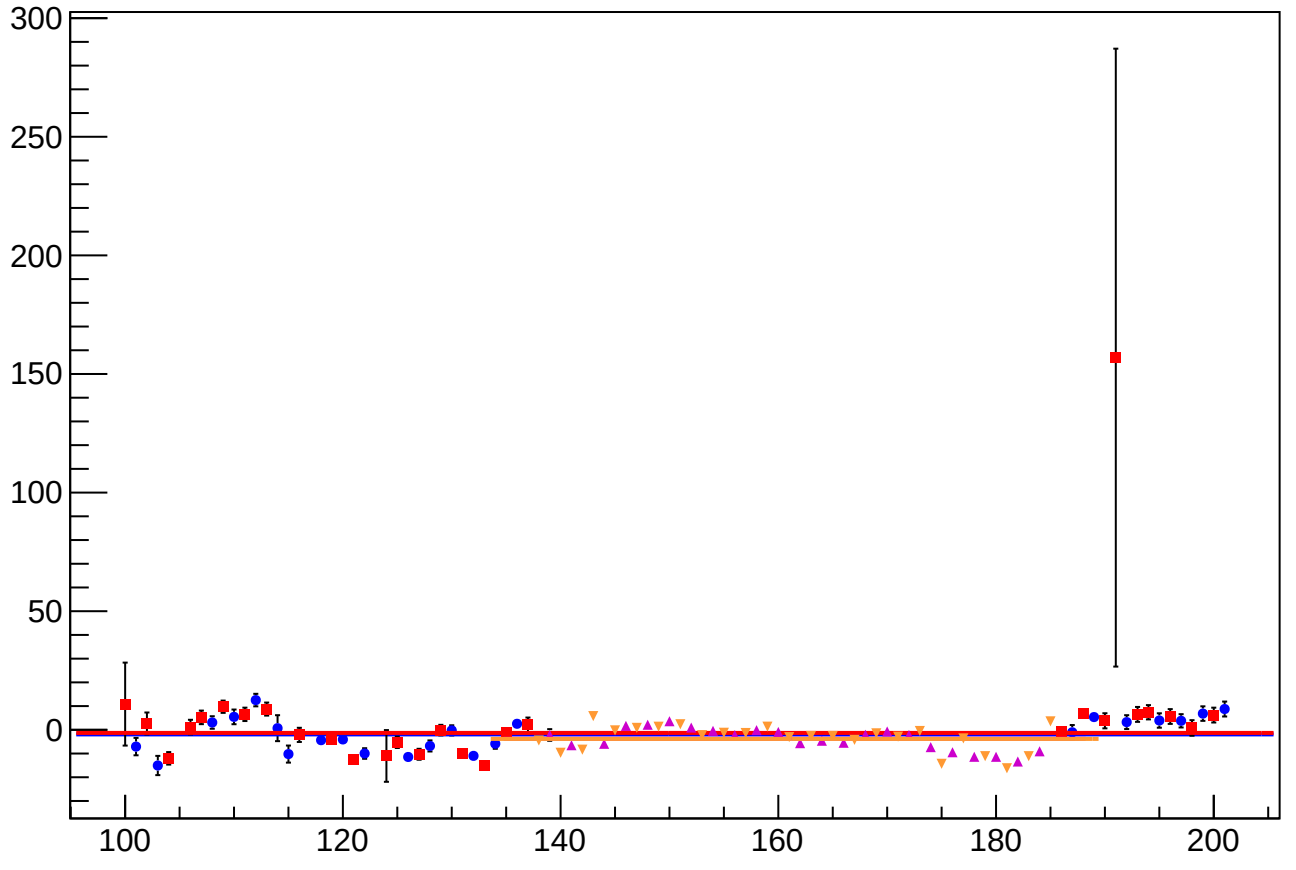
Right Out: -7.820+/-0.416 χ^2/NDF: 3236.0/27

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.378+/-0.241 χ^2/NDF: 9202.3/47

All: 14.910+/-0.169 χ^2/NDF: 17181.7/98

- sign 14.459+/-0.236 χ^2/NDF: 7972.0/50



Right In: -1.939+/-0.490 χ^2/NDF: 176.7/22

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

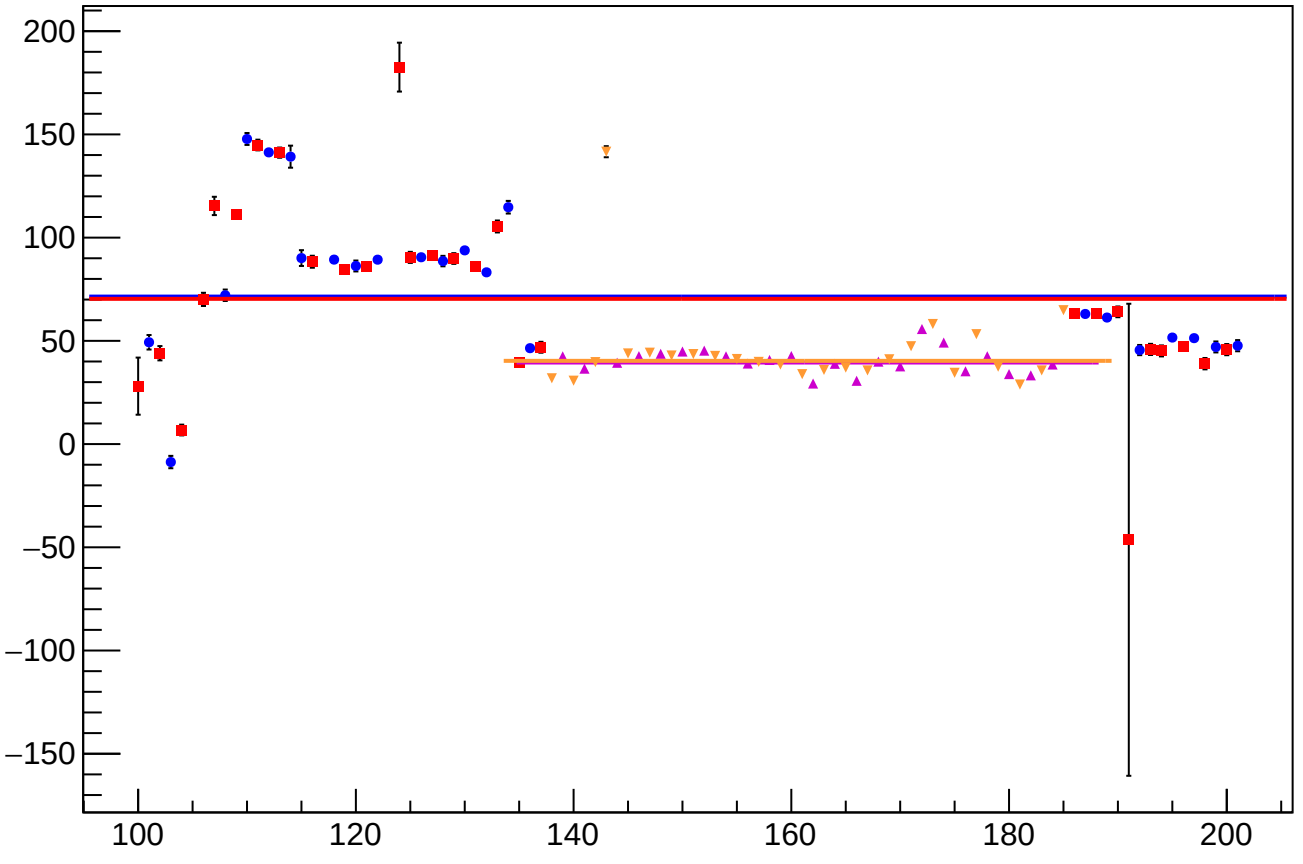
Right Out: -1.308+/-0.465 χ^2/NDF: 241.0/27

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.530+/-0.199 χ^2/NDF: 838.7/47

All: -3.425+/-0.142 χ^2/NDF: 1613.1/98

- sign -3.316+/-0.202 χ^2/NDF: 773.7/50



Right In: 71.439+/-0.479 χ^2/NDF: 3993.7/22

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

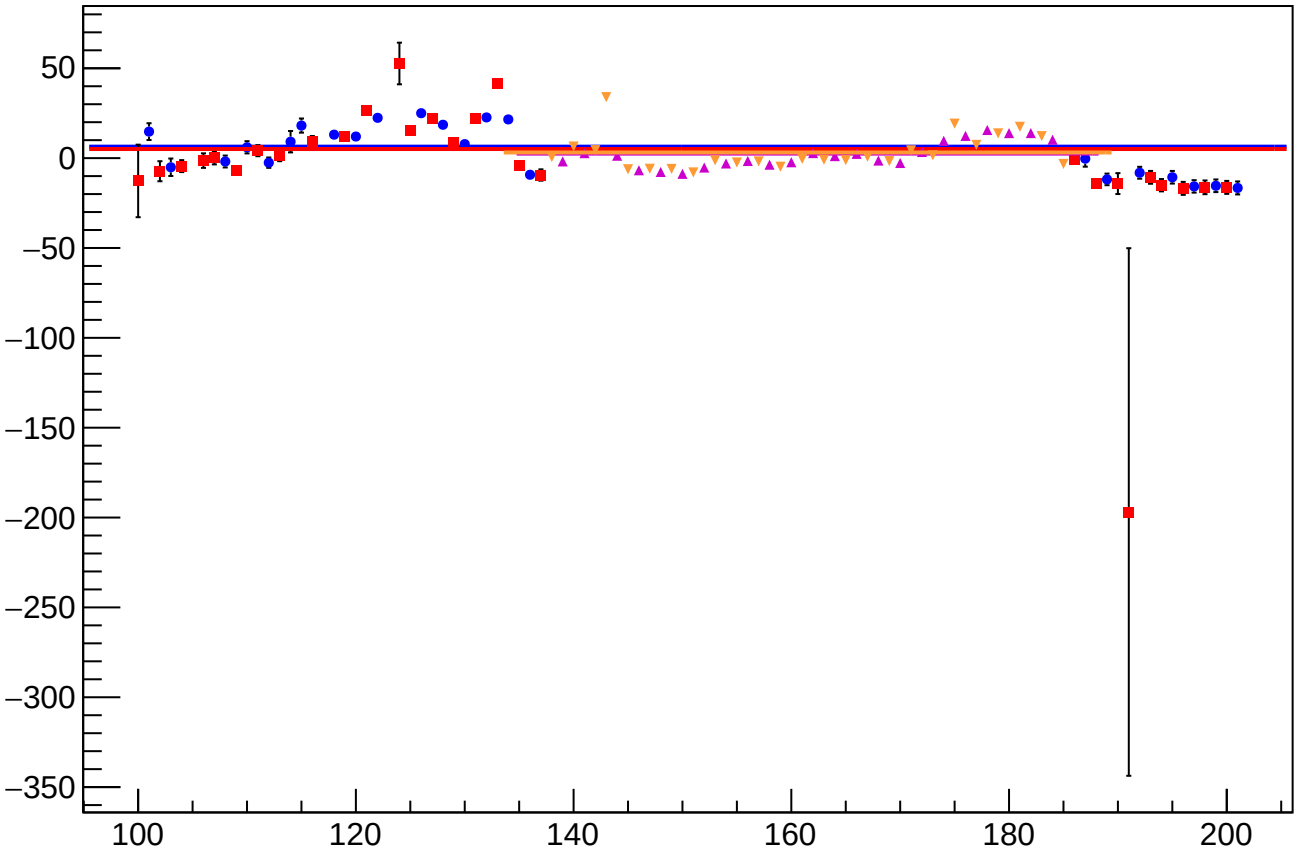
Right Out: 70.352+/-0.413 χ^2/NDF: 4303.1/27

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.248+/-0.242 χ^2/NDF: 9322.5/47

All: 48.862+/-0.168 χ^2/NDF: 17850.7/98

\- sign 49.439+/-0.234 χ^2/NDF: 8515.7/50



Right In: 6.382+/-0.567 χ^2/NDF: 596.5/22

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

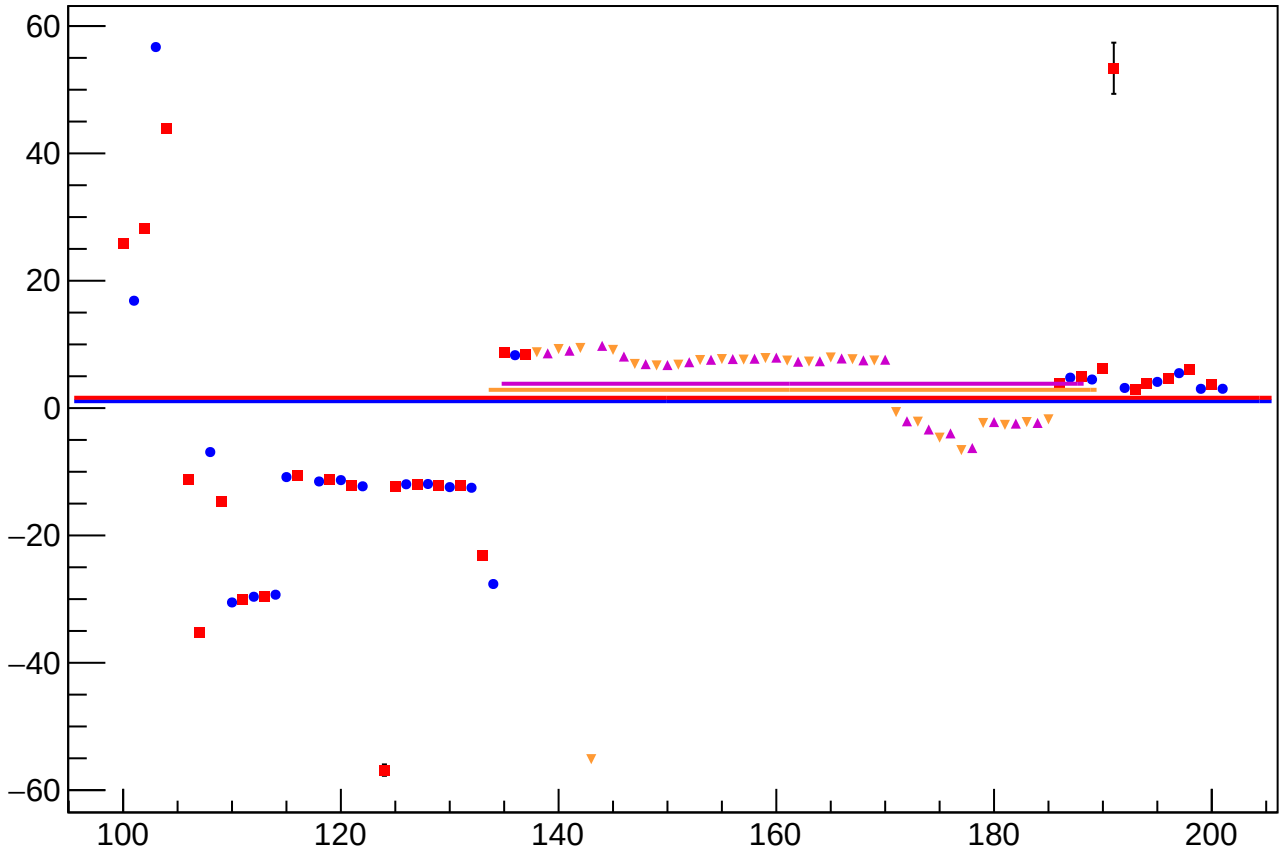
Right Out: 5.070+/-0.554 χ^2/NDF: 793.7/27

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.653+/-0.225 χ^2/NDF: 1891.0/47

All: 3.308+/-0.160 χ^2/NDF: 3675.2/98

- sign 2.953+/-0.229 χ^2/NDF: 1779.4/50



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: 1.625+/-0.028 χ^2/NDF: 325225.6/27

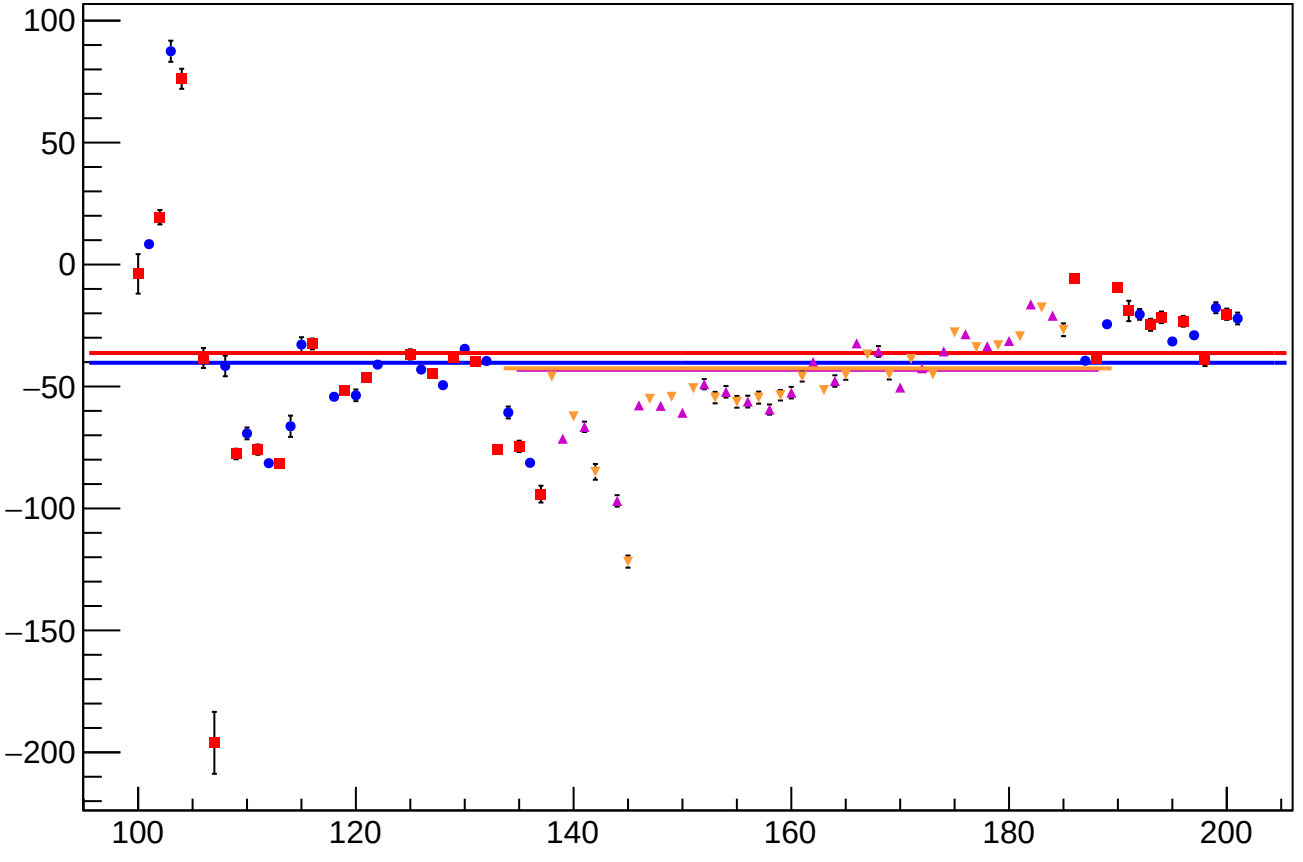
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.628+/-0.010 χ^2/NDF: 890785.1/47

All: 3.070+/-0.007 χ^2/NDF: 1458460.0/98

- sign 3.520+/-0.010 χ^2/NDF: 563891.7/50

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: -36.273+/-0.368 χ^2/NDF: 5135.1/26

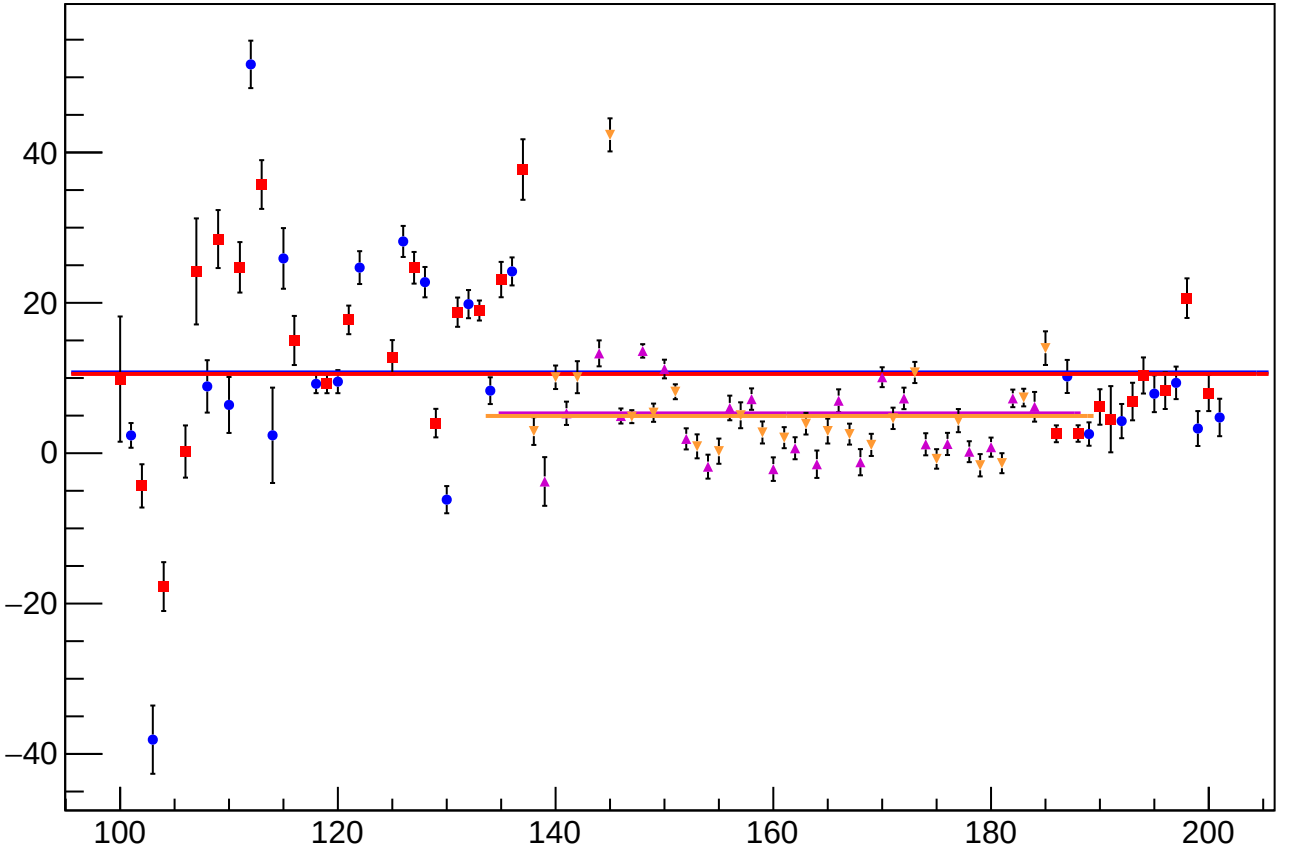
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -41.543+/-0.282 χ^2/NDF: 5702.2/46

All: -40.503+/-0.193 χ^2/NDF: 13238.1/96

\- sign -39.586+/-0.265 χ^2/NDF: 7510.3/49

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: 10.544+/-0.406 χ^2/NDF: 548.8/26

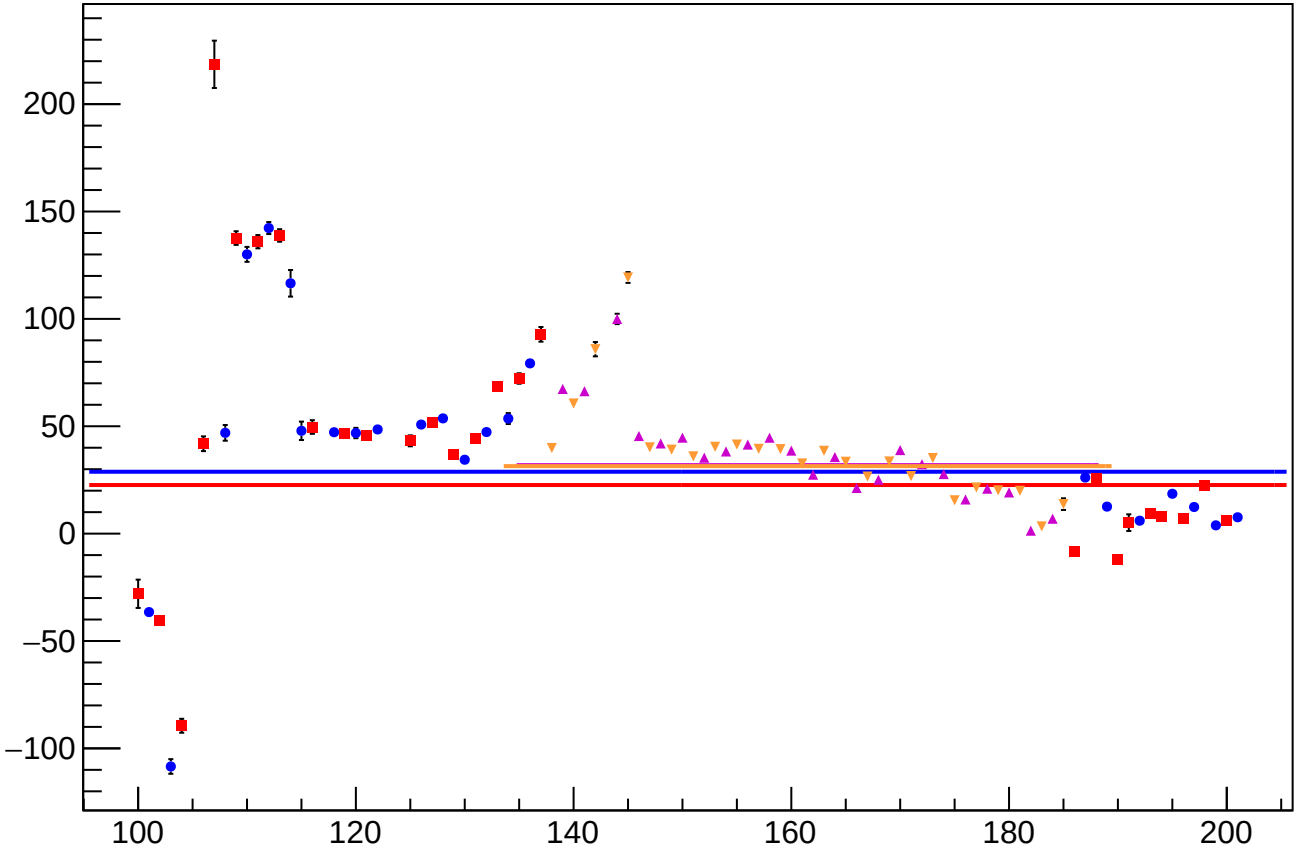
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.716+/-0.241 χ^2/NDF: 1267.5/46

All: 6.909+/-0.169 χ^2/NDF: 2213.6/96

- sign 7.098+/-0.238 χ^2/NDF: 944.7/49

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

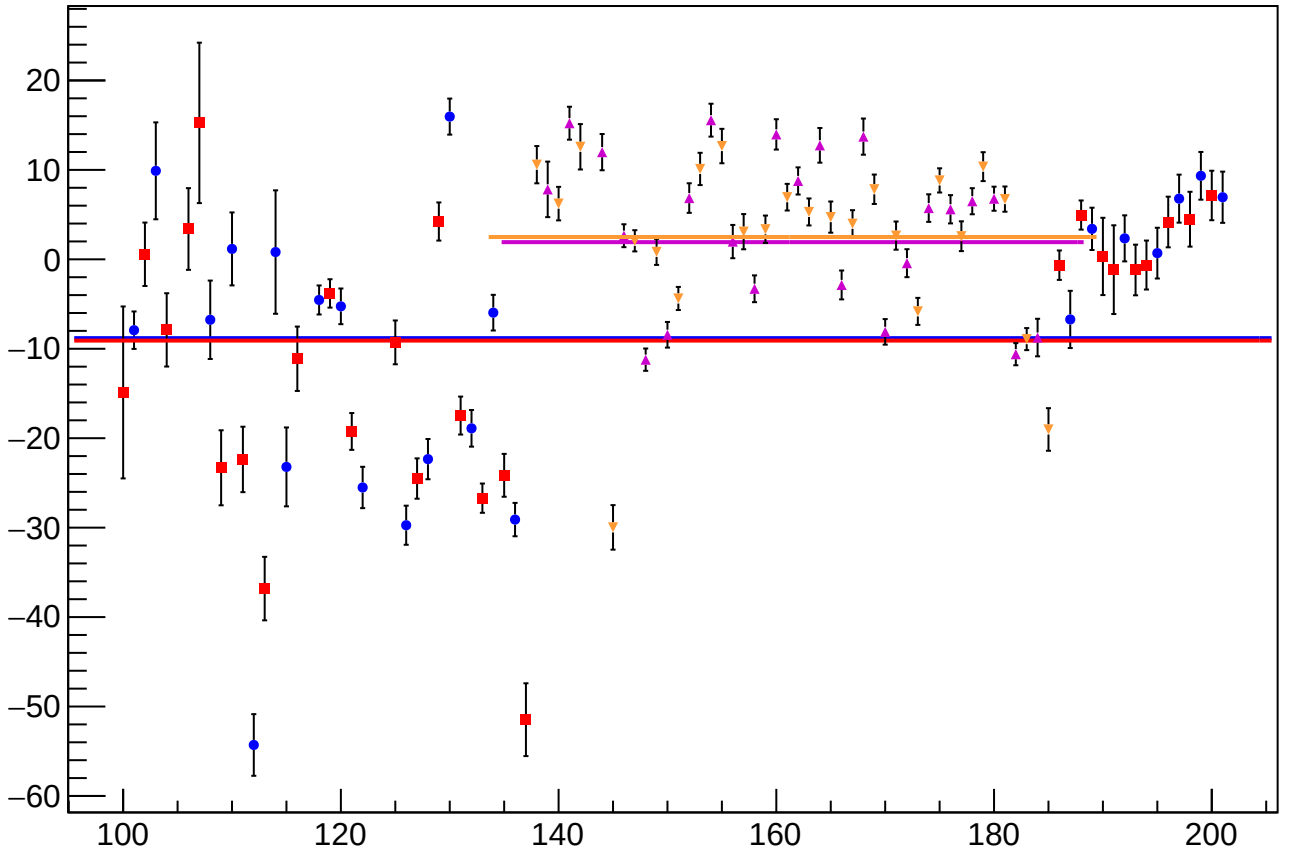
Right Out: 22.633+/-0.342 χ^2/NDF: 11161.7/26

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 30.251+/-0.278 χ^2/NDF: 11213.6/46

All: 28.374+/-0.187 χ^2/NDF: 25556.0/96

- sign 26.807+/-0.254 χ^2/NDF: 14258.6/49



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: -9.084+/-0.500 χ^2/NDF: 710.5/26

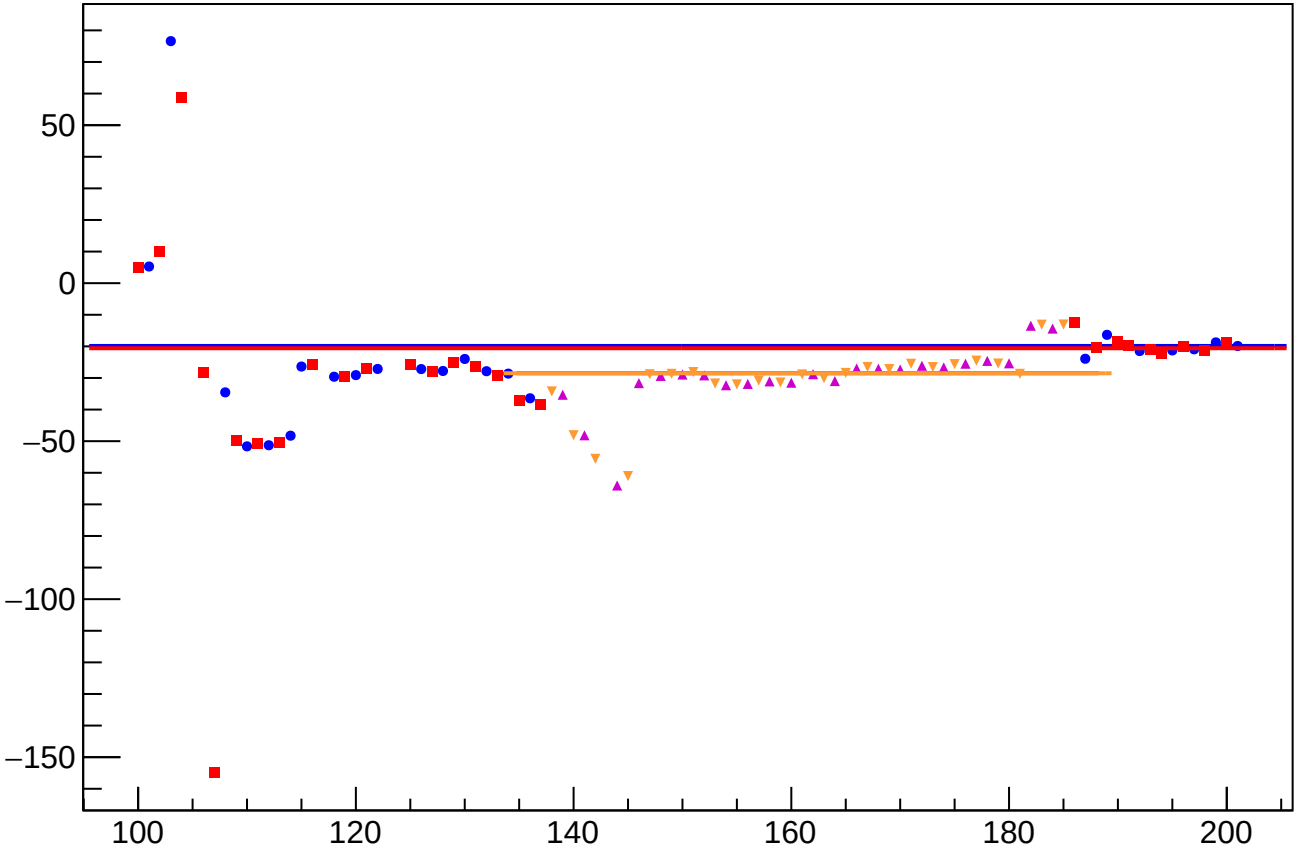
Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

\+ sign -0.728+/-0.276 χ^2/NDF: 1758.2/46

All: -1.088+/-0.195 χ^2/NDF: 3487.5/96

\- sign -1.449+/-0.277 χ^2/NDF: 1725.8/49

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: -20.592+/-0.024 χ^2/NDF: 553745.2/26

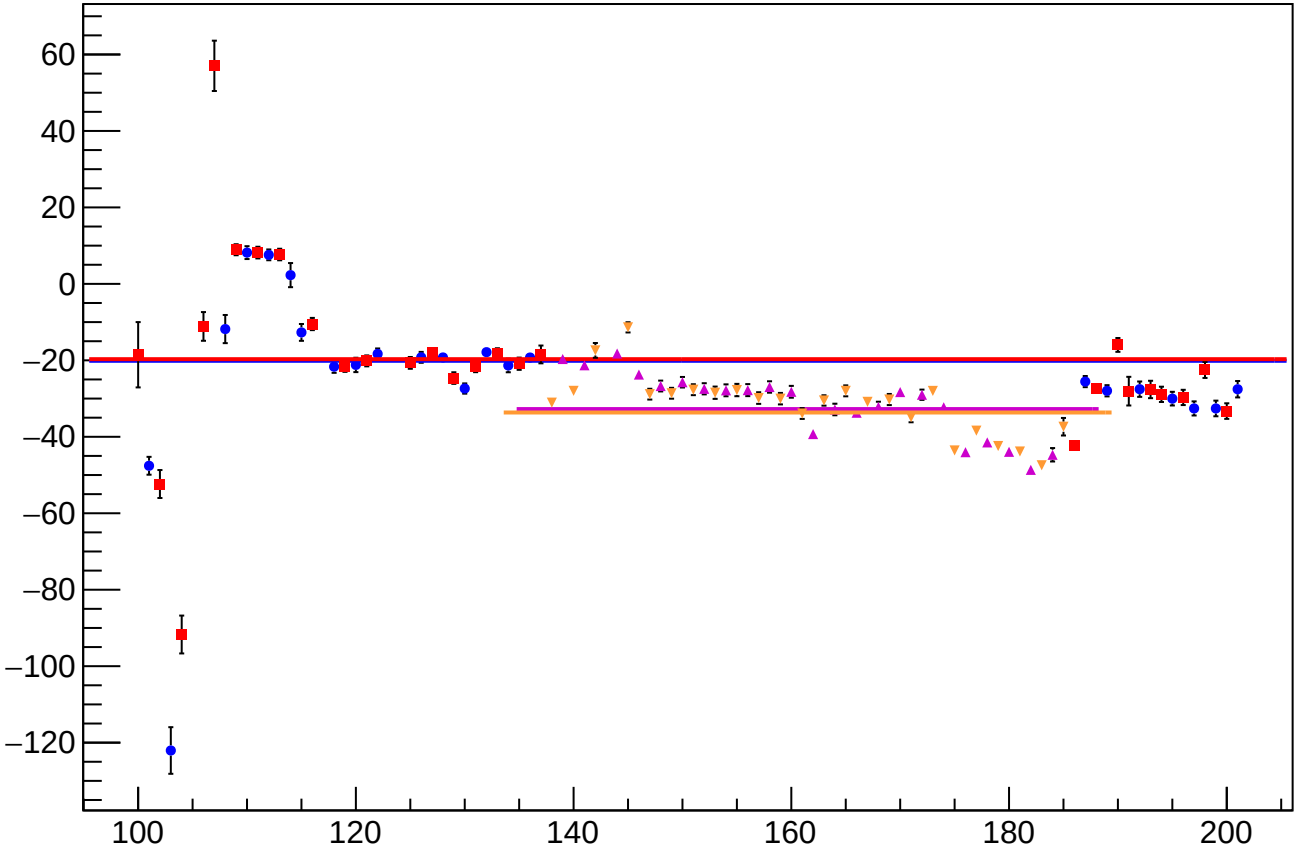
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -26.250+/-0.013 χ^2/NDF: 1073170.4/46

All: -26.304+/-0.009 χ^2/NDF: 1991720.5/96

- sign -26.358+/-0.013 χ^2/NDF: 918513.8/49

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: -19.697+/-0.323 χ^2/NDF: 2056.5/26

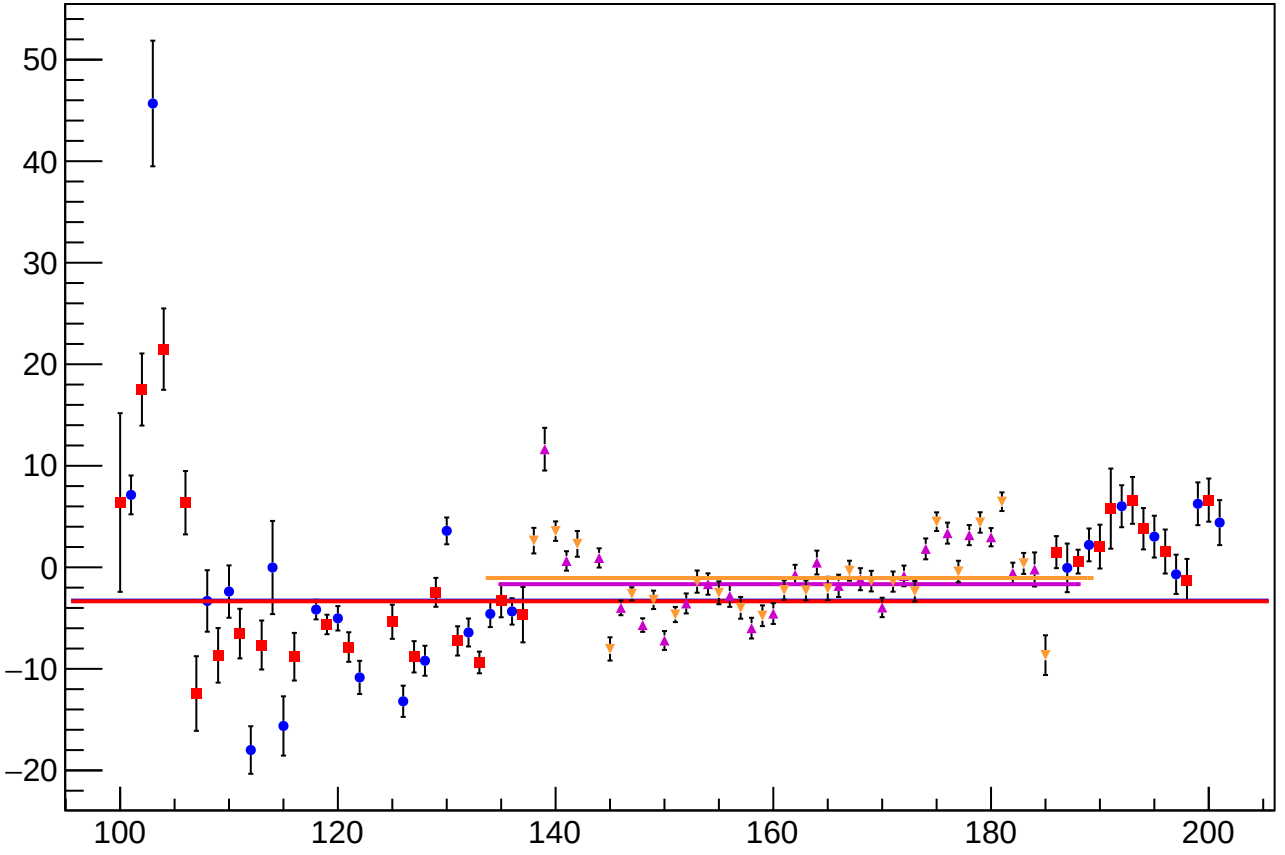
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

\+ sign -28.629+/-0.210 χ^2/NDF: 3352.3/46

All: -28.011+/-0.147 χ^2/NDF: 7534.9/96

\- sign -27.414+/-0.206 χ^2/NDF: 4165.7/49

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: -3.346+/-0.350 χ^2/NDF: 264.0/26

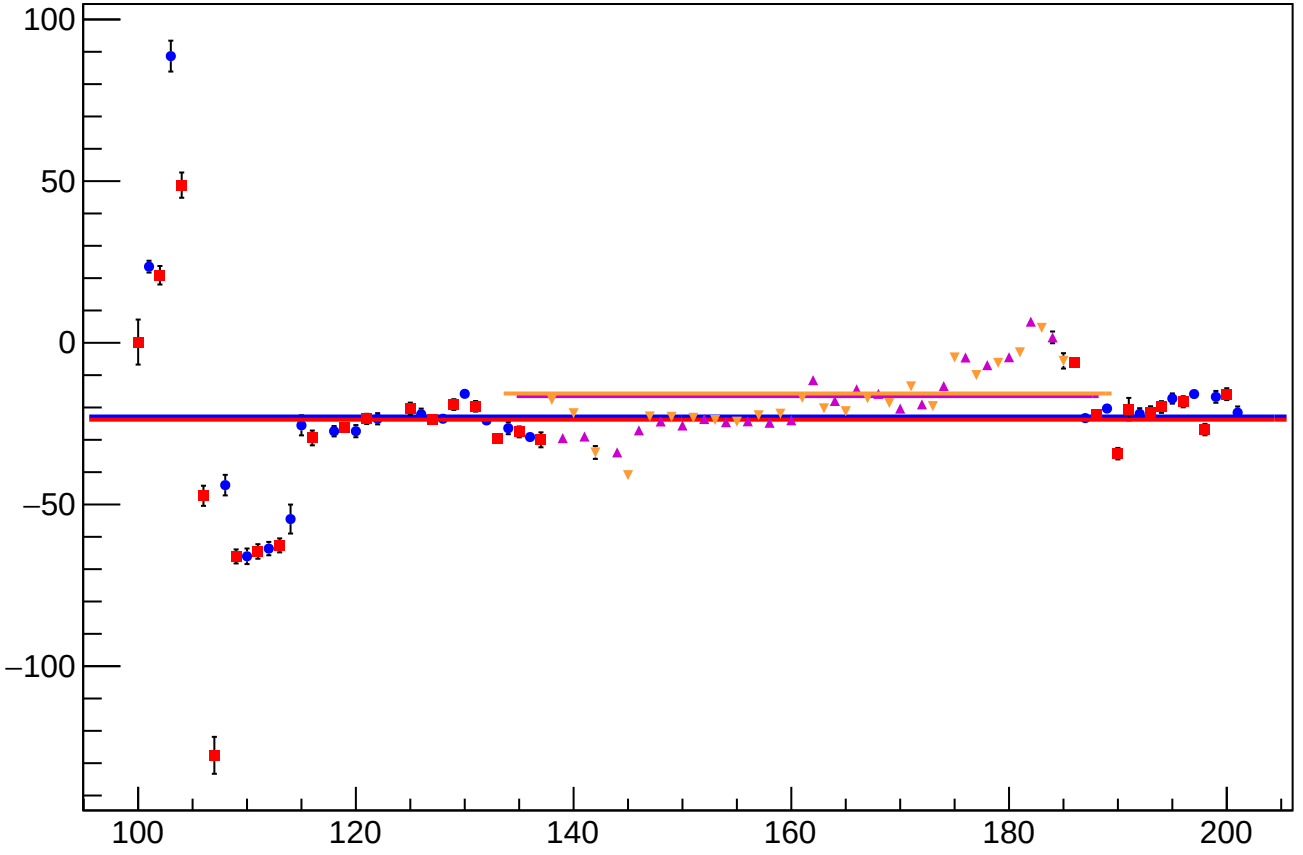
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.598+/-0.176 χ^2/NDF: 662.5/46

All: -1.845+/-0.125 χ^2/NDF: 1212.1/96

- sign -2.096+/-0.178 χ^2/NDF: 545.7/49

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: -23.769+/-0.324 χ^2/NDF: 2465.4/26

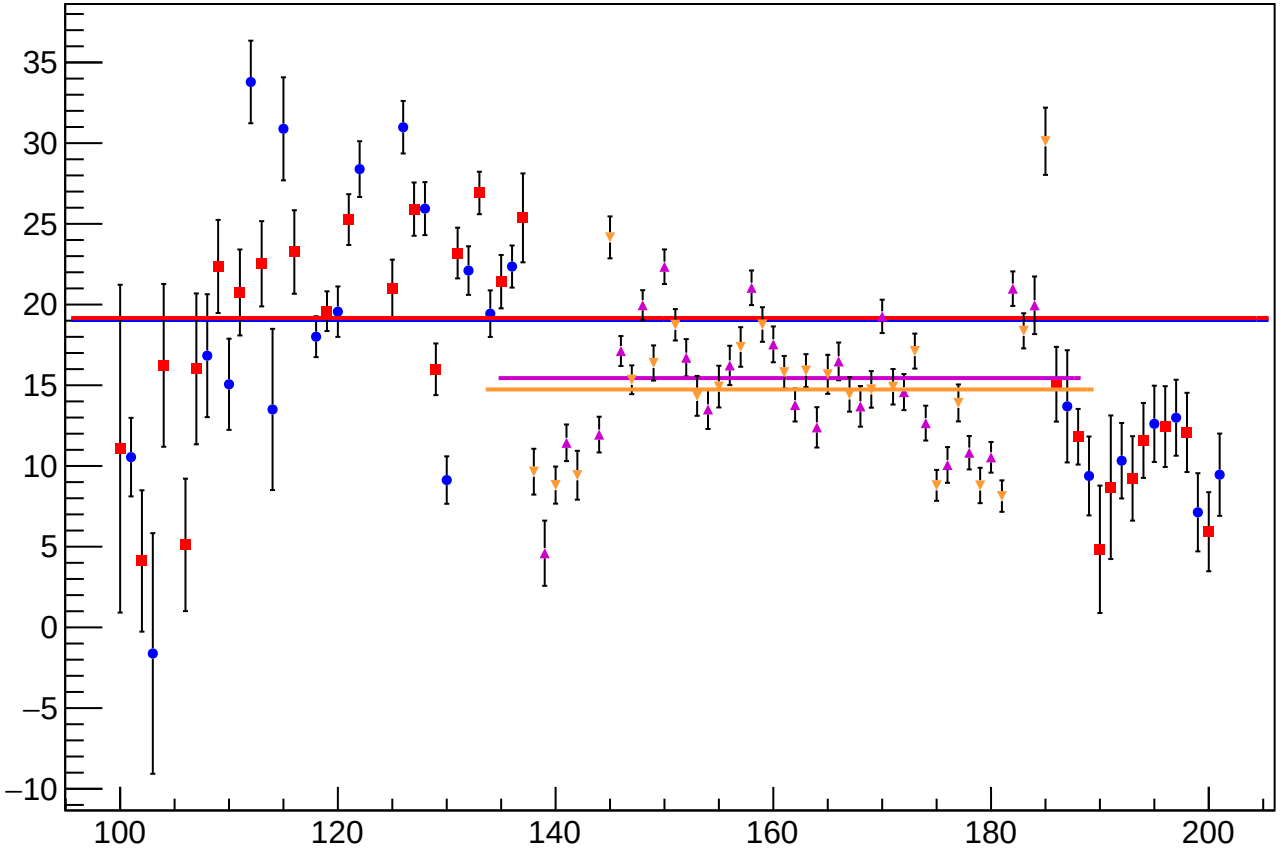
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -18.189+/-0.212 χ^2/NDF: 3897.3/46

All: -18.821+/-0.147 χ^2/NDF: 8380.5/96

- sign -19.417+/-0.205 χ^2/NDF: 4465.8/49

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: 19.169+/-0.414 χ^2/NDF: 225.6/26

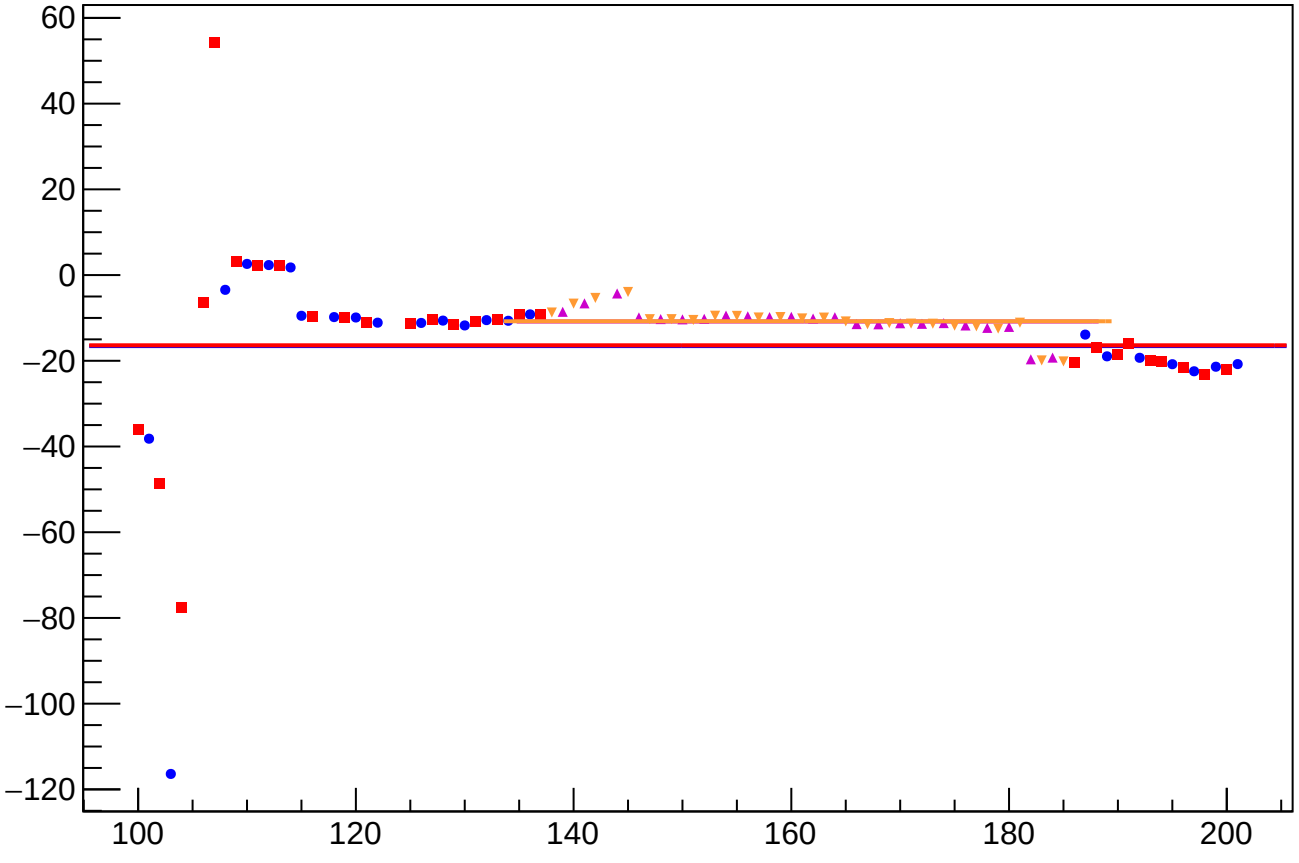
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.758+/-0.200 χ^2/NDF: 726.6/46

All: 16.045+/-0.143 χ^2/NDF: 1308.2/96

- sign 16.340+/-0.203 χ^2/NDF: 577.4/49

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: -16.384+/-0.021 χ^2/NDF: 363929.6/26

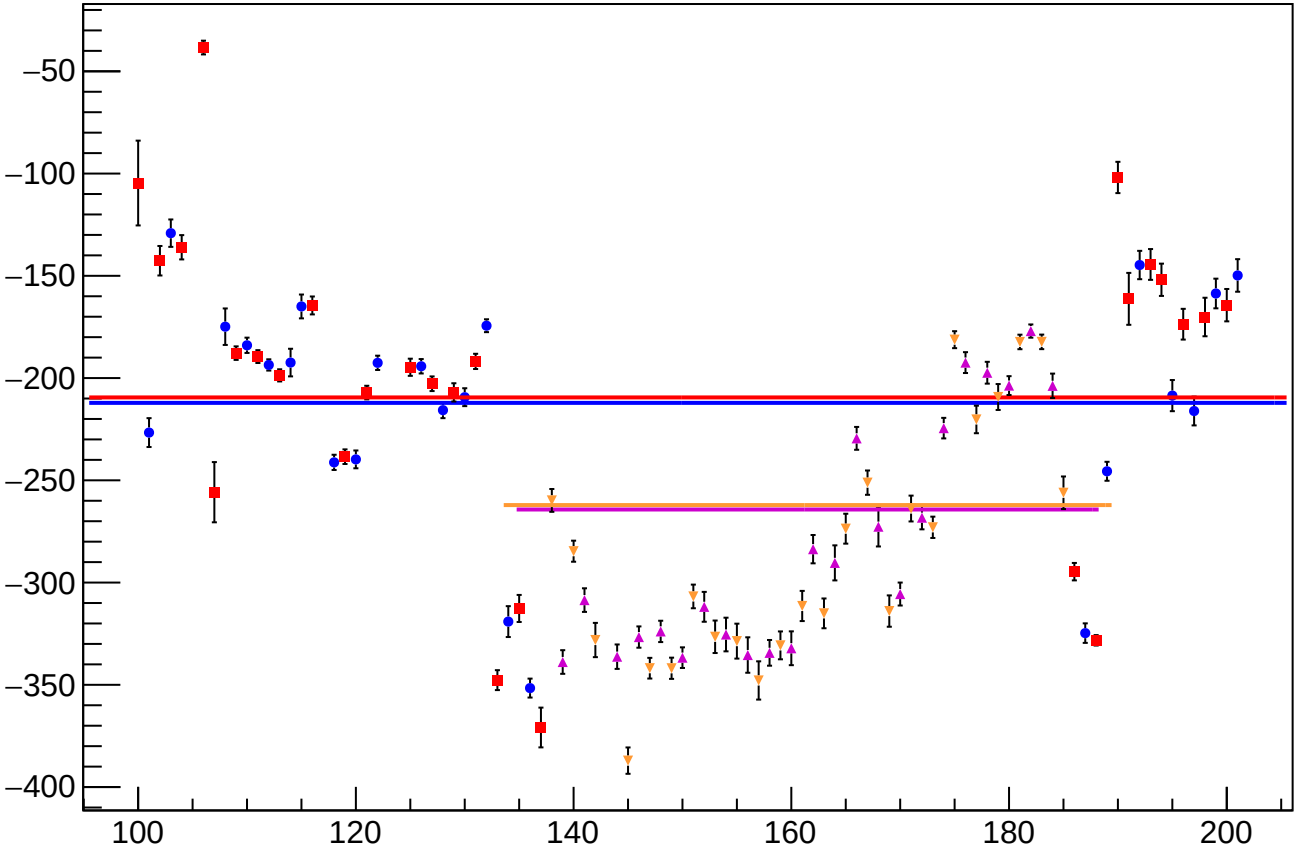
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.920+/-0.009 χ^2/NDF: 527080.6/46

All: -11.922+/-0.007 χ^2/NDF: 1021981.5/96

- sign -11.924+/-0.009 χ^2/NDF: 494900.9/49

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: -209.469+/-0.873 χ^2/NDF: 7466.0/26

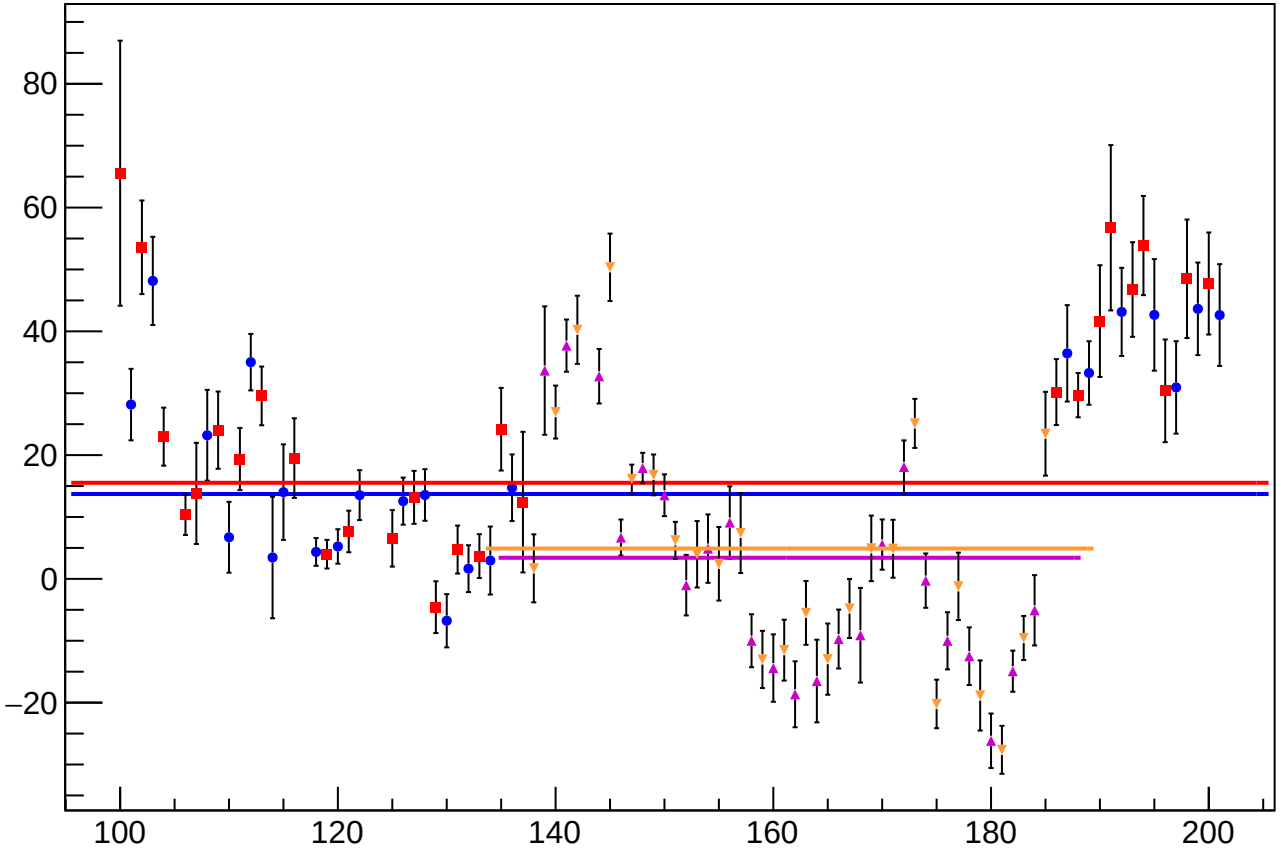
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -232.298+/-0.749 χ^2/NDF: 6617.1/46

All: -230.402+/-0.513 χ^2/NDF: 18222.6/96

- sign -228.732+/-0.703 χ^2/NDF: 11593.5/49

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: 15.527+/-0.944 χ^2/NDF: 236.7/26

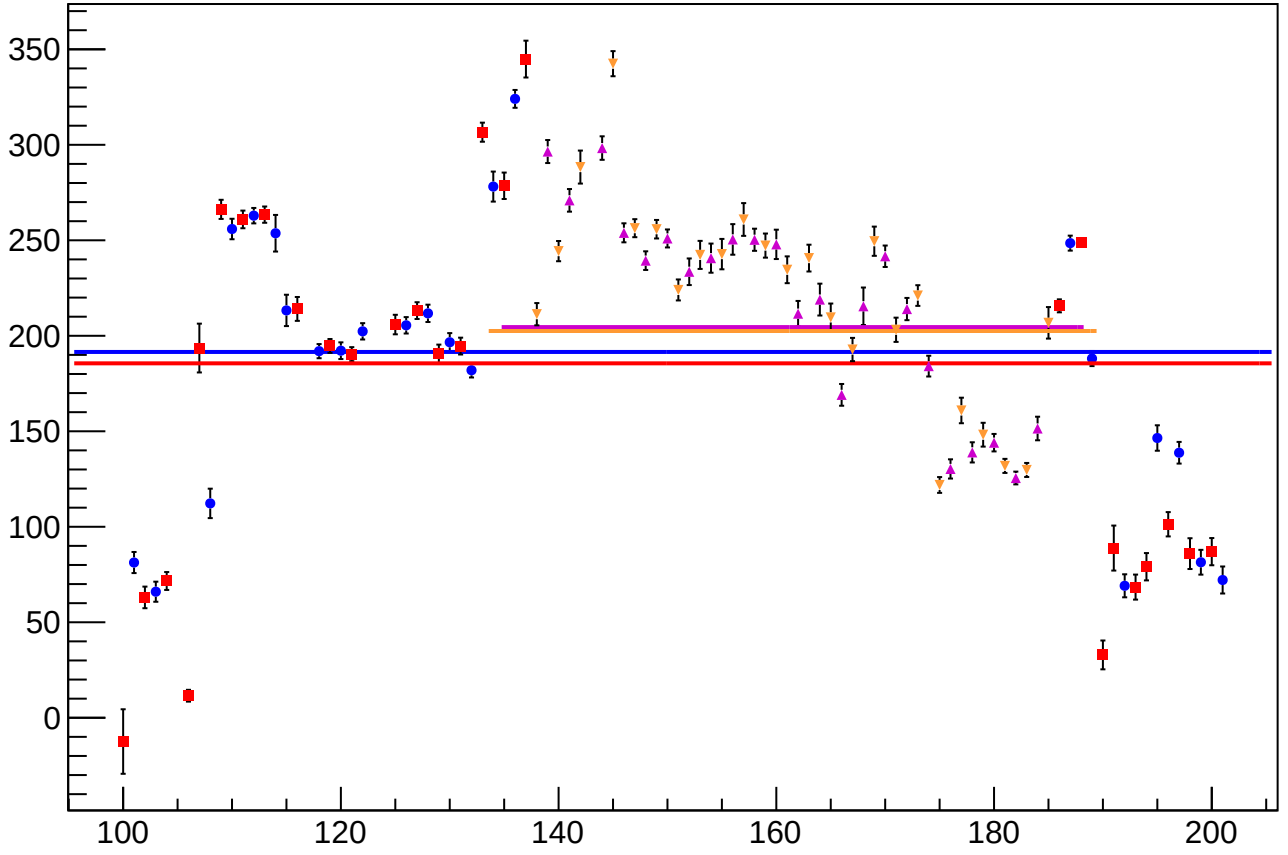
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 8.821+/-0.661 χ^2/NDF: 646.0/46

All: 9.005+/-0.464 χ^2/NDF: 1302.5/96

- sign 9.184+/-0.652 χ^2/NDF: 656.3/49

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: 185.577+/-0.908 χ^2/NDF: 8918.7/26

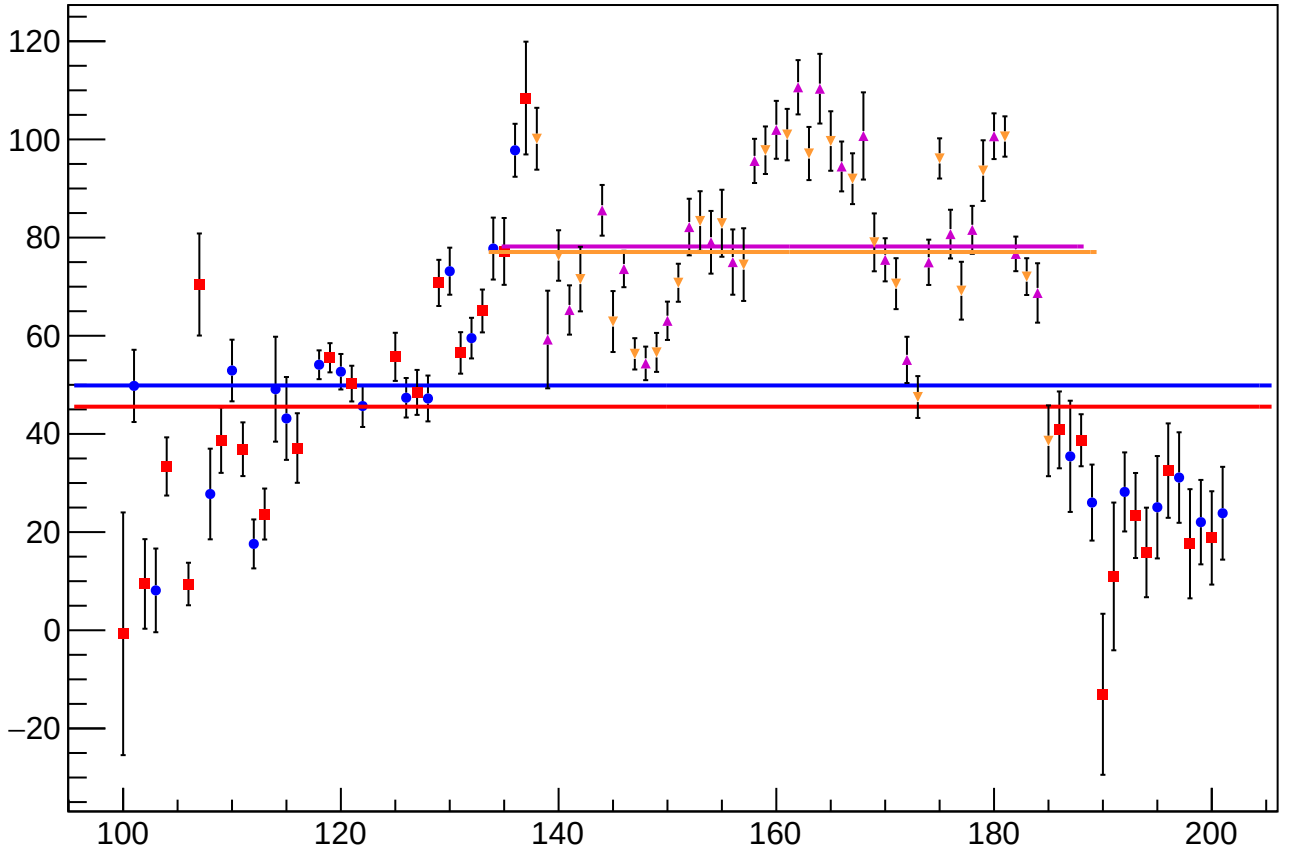
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 196.383+/-0.779 χ^2/NDF: 6321.8/46

All: 194.369+/-0.528 χ^2/NDF: 17701.6/96

- sign 192.655+/-0.719 χ^2/NDF: 11367.4/49

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: 45.553+/-1.123 χ^2/NDF: 299.2/26

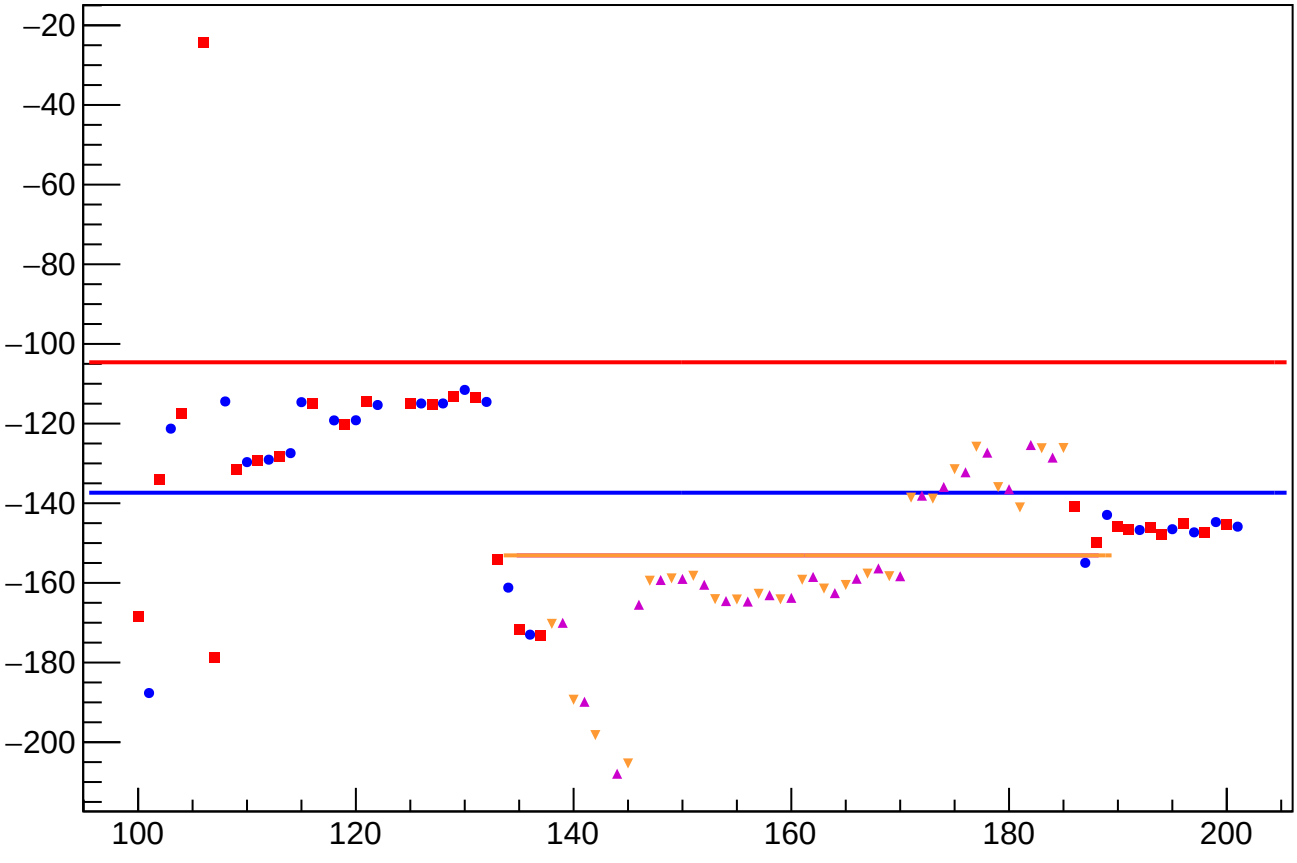
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 65.350+/-0.766 χ^2/NDF: 870.7/46

All: 64.334+/-0.538 χ^2/NDF: 1866.6/96

- sign 63.341+/-0.757 χ^2/NDF: 992.4/49

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: -104.610+/-0.055 χ^2/NDF: 947078.8/26

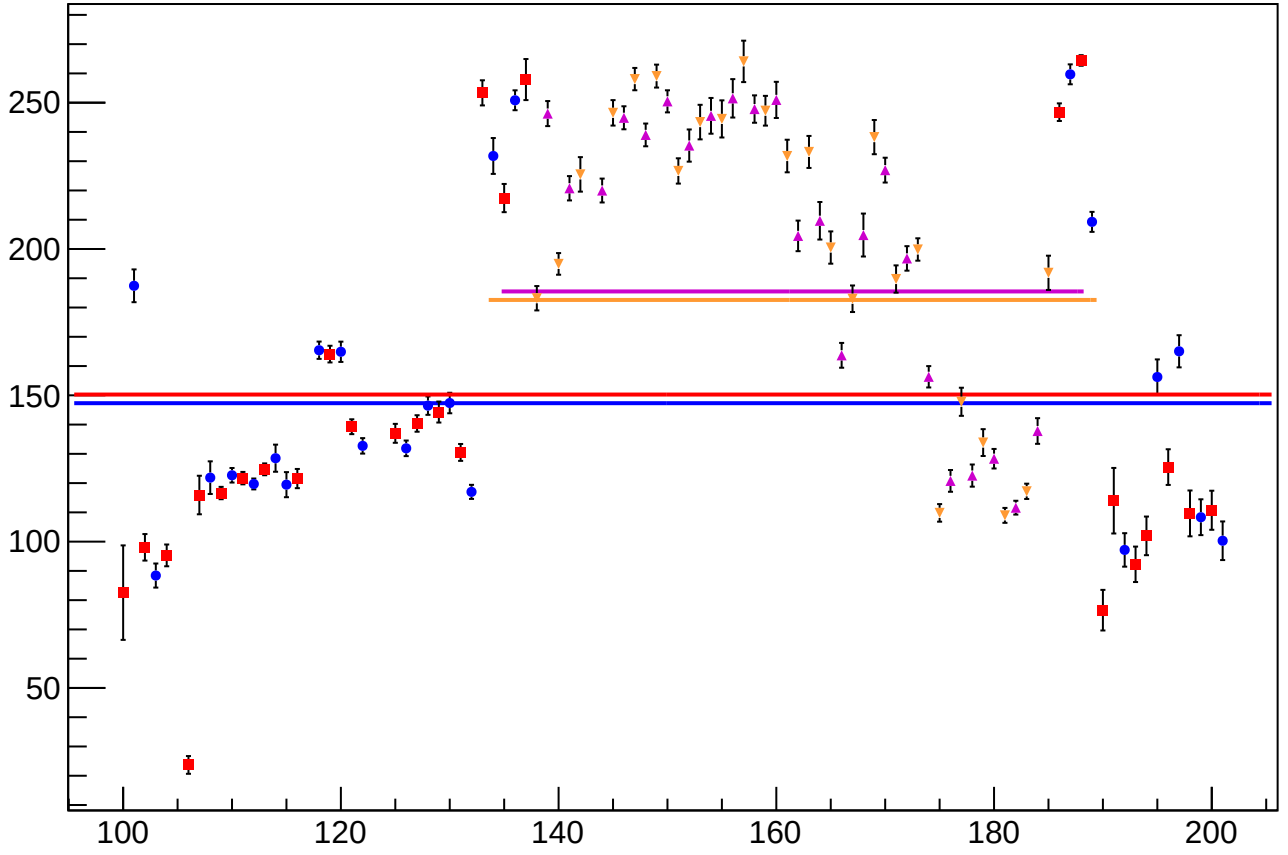
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.808+/-0.038 χ^2/NDF: 318105.0/46

All: -139.723+/-0.026 χ^2/NDF: 1969040.6/96

- sign -132.746+/-0.036 χ^2/NDF: 1567648.3/49

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: 150.263+/-0.643 χ^2/NDF: 9291.6/26

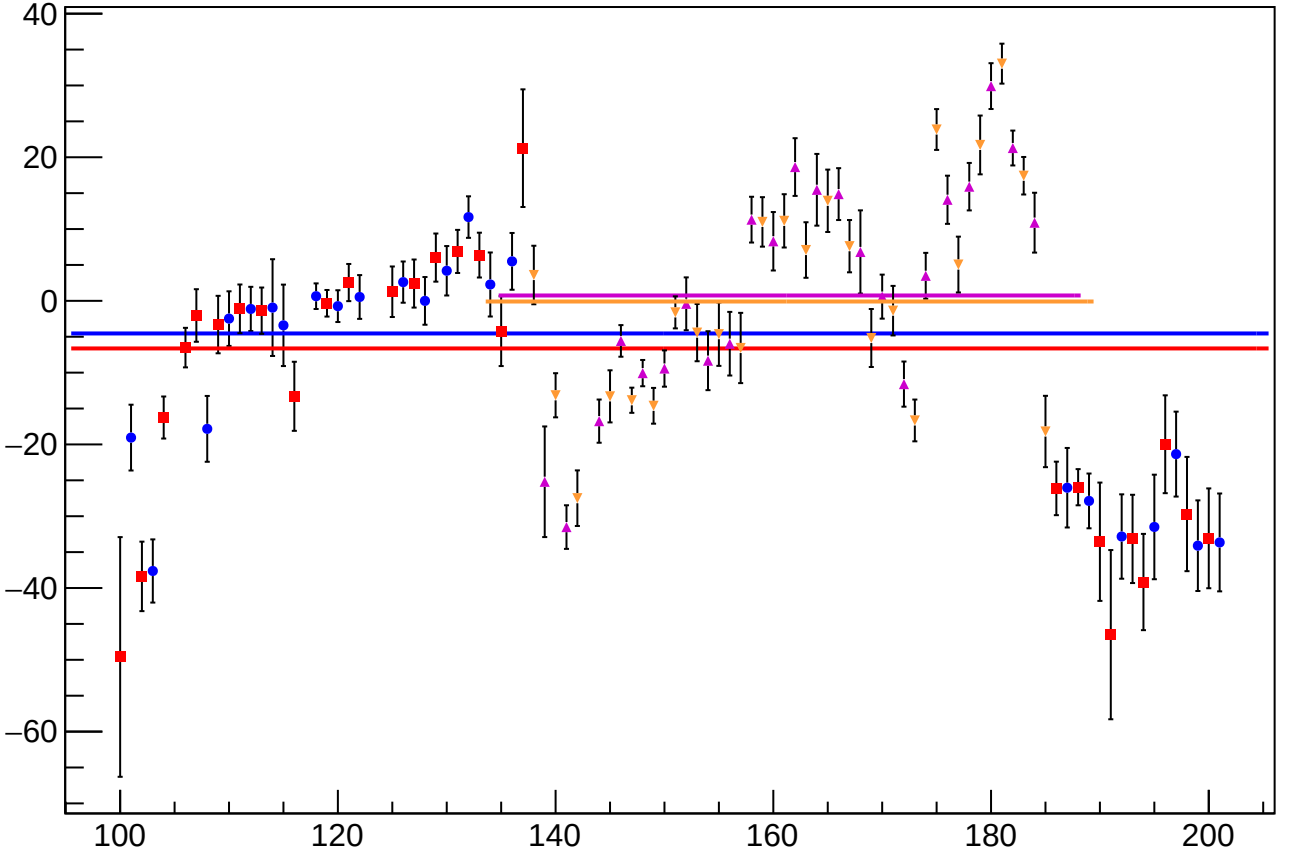
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 161.694+/-0.553 χ^2/NDF: 8790.7/46

All: 162.217+/-0.378 χ^2/NDF: 22962.6/96

- sign 162.677+/-0.518 χ^2/NDF: 14170.2/49

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: -6.631+/-0.709 χ^2/NDF: 347.3/26

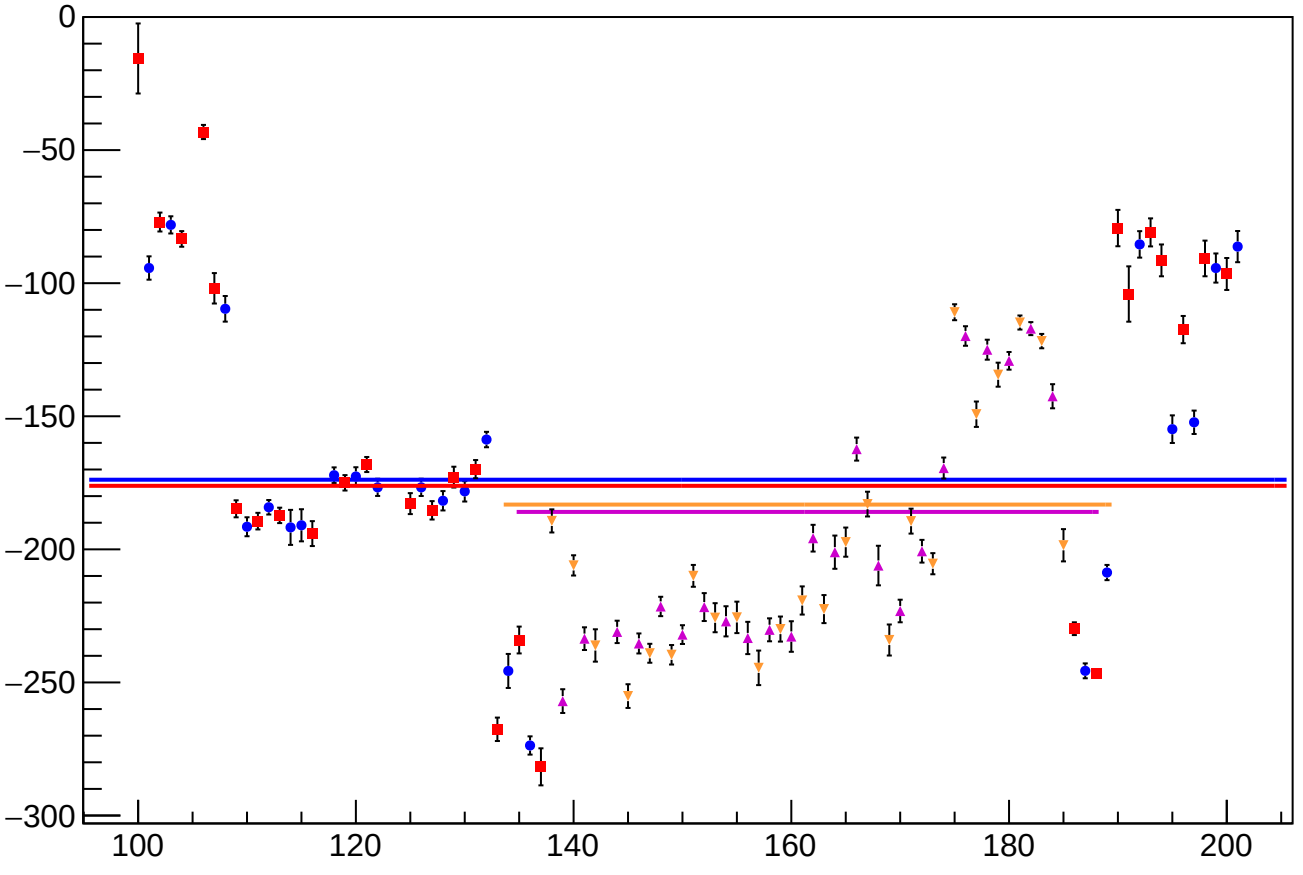
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -2.003+/-0.495 χ^2/NDF: 858.4/46

All: -2.361+/-0.346 χ^2/NDF: 1762.1/96

- sign -2.705+/-0.485 χ^2/NDF: 902.7/49

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: -176.130+/-0.671 χ^2/NDF: 9537.9/26

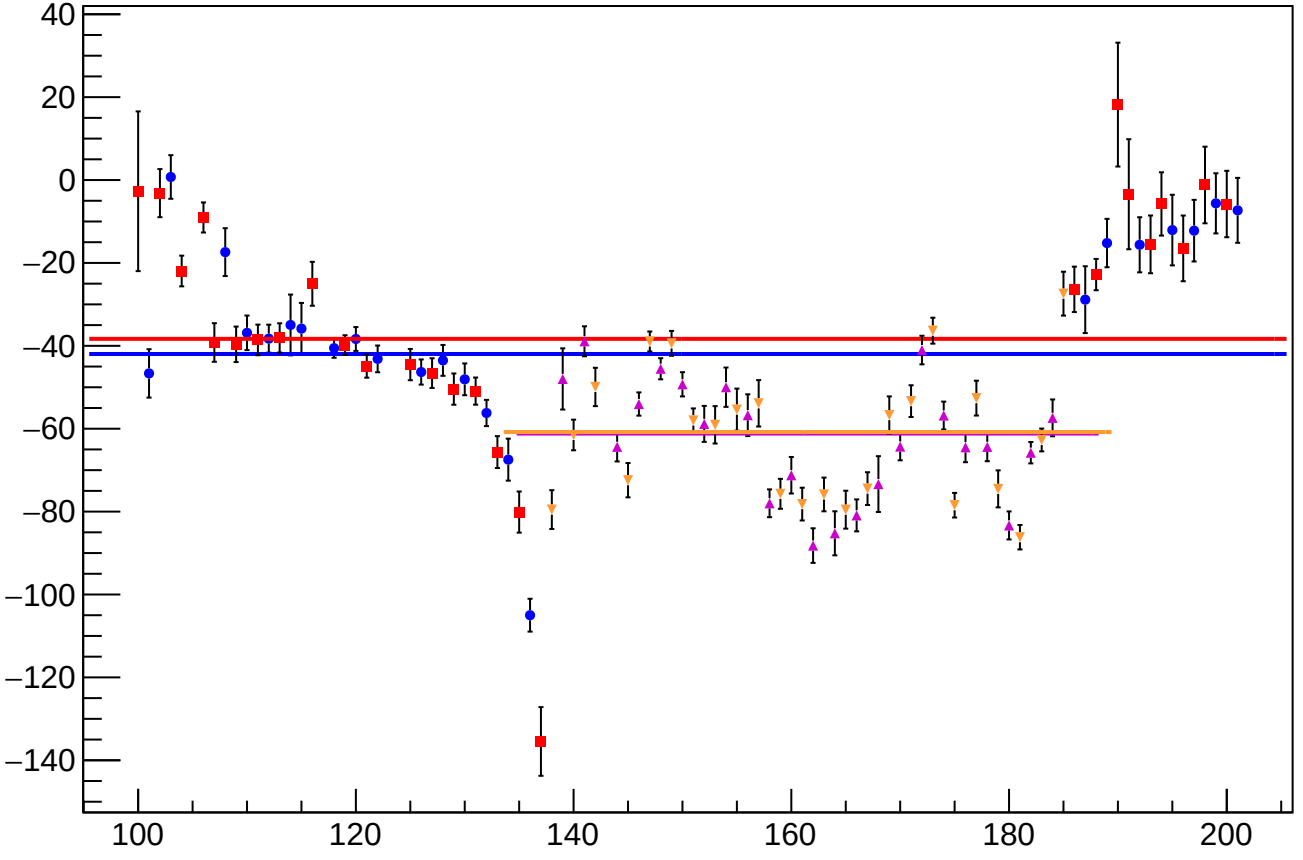
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -178.020+/-0.577 χ^2/NDF: 7470.4/46

All: -178.986+/-0.391 χ^2/NDF: 20275.1/96

- sign -179.802+/-0.531 χ^2/NDF: 12799.5/49

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: -38.317+/-0.844 χ^2/NDF: 541.1/26

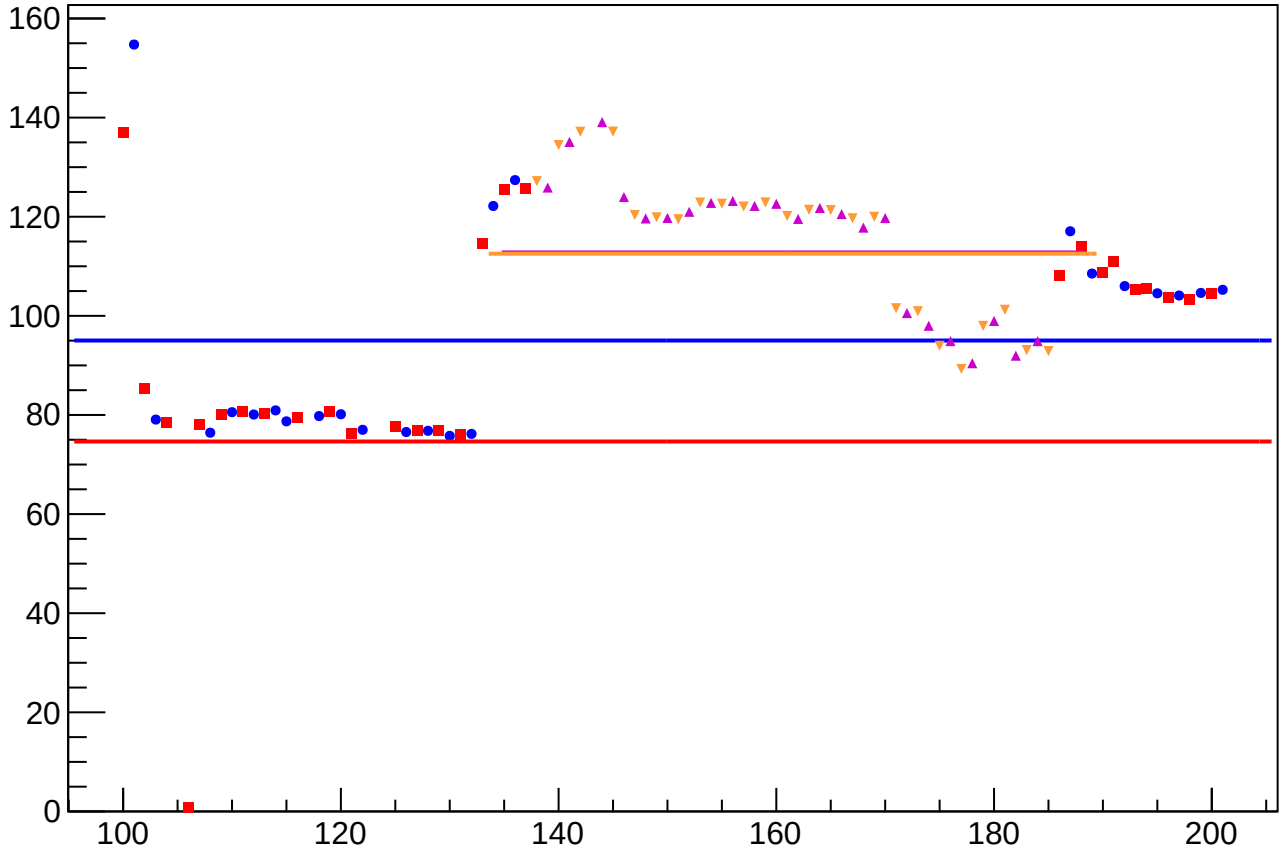
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -52.961+/-0.572 χ^2/NDF: 1244.3/46

All: -51.958+/-0.401 χ^2/NDF: 2514.8/96

- sign -50.985+/-0.563 χ^2/NDF: 1264.5/49

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: 74.645+/-0.043 χ^2/NDF: 850241.2/26

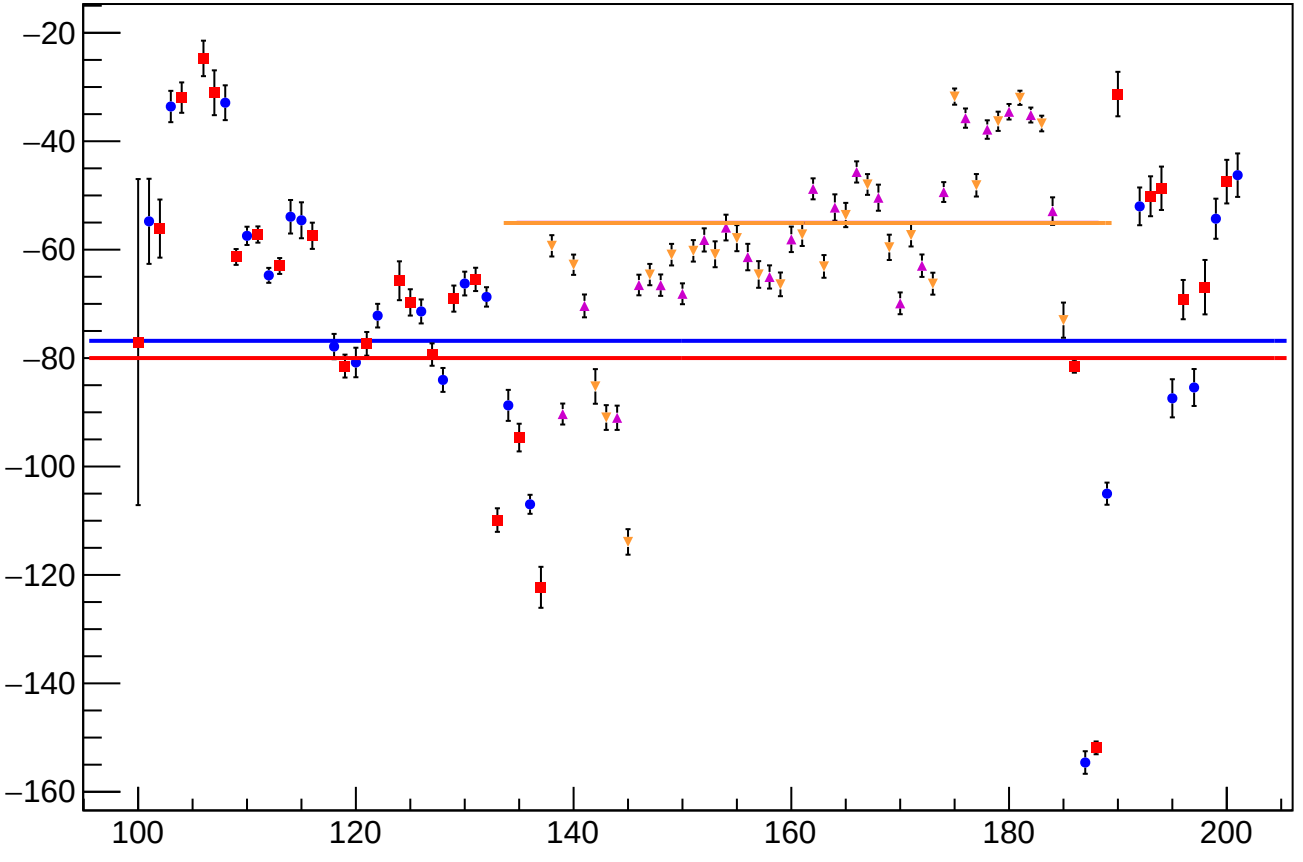
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.800+/-0.028 χ^2/NDF: 439671.0/46

All: 102.054+/-0.019 χ^2/NDF: 1996982.0/96

- sign 97.806+/-0.027 χ^2/NDF: 1504220.5/49

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: -79.994+/-0.430 χ^2/NDF: 5867.9/26

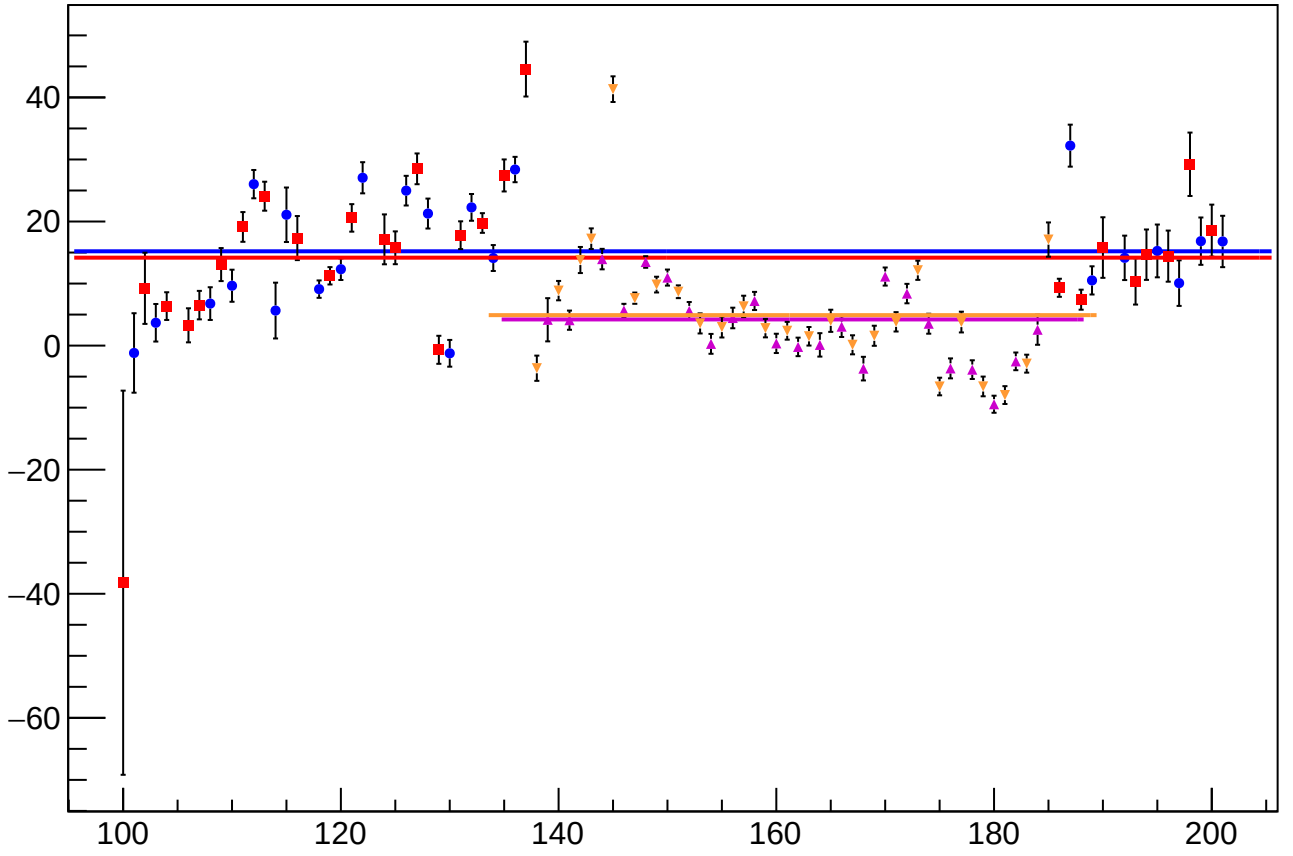
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.665+/-0.312 χ^2/NDF: 6022.9/47

All: -65.384+/-0.215 χ^2/NDF: 15251.7/97

- sign -66.944+/-0.297 χ^2/NDF: 9170.7/49

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: 14.174+/-0.477 χ^2/NDF: 284.5/26

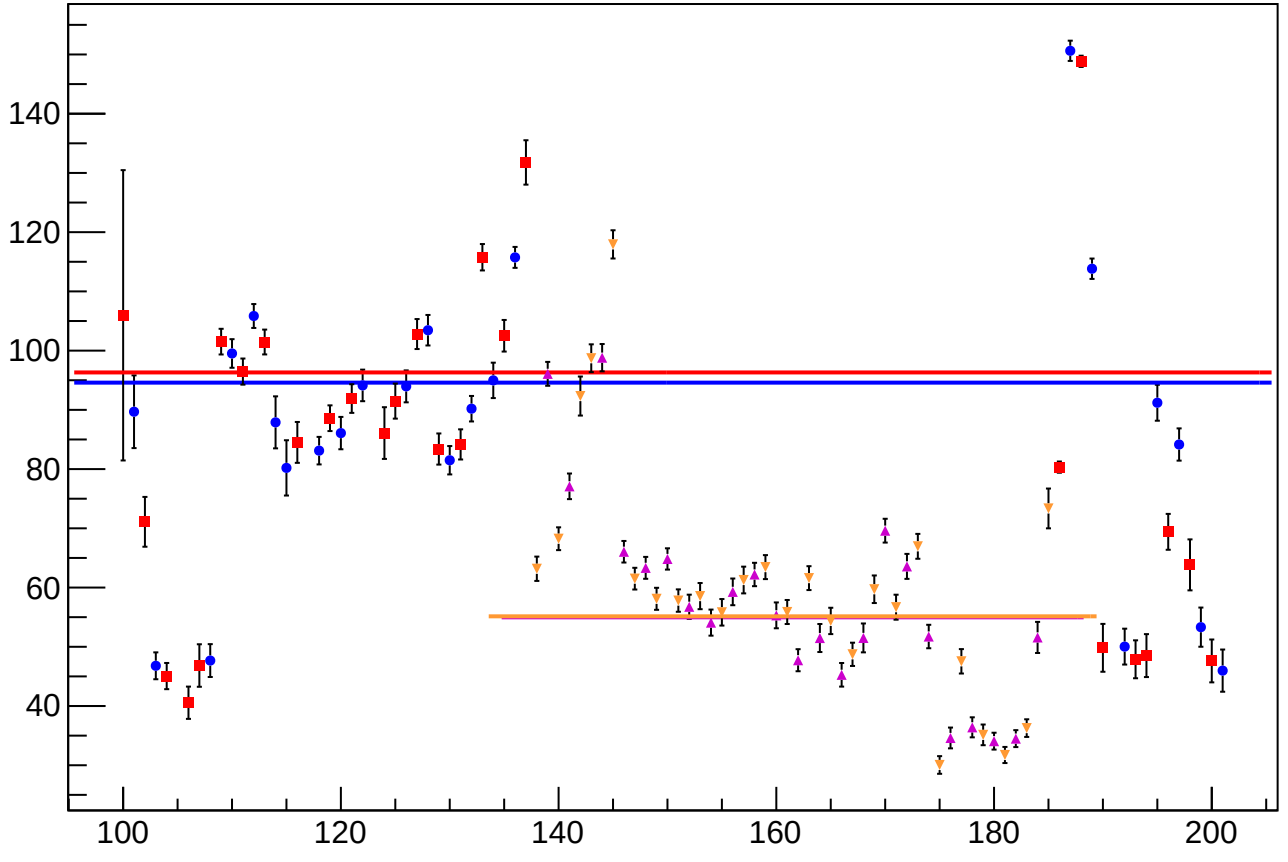
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.435+/-0.262 χ^2/NDF: 1302.0/47

All: 7.319+/-0.185 χ^2/NDF: 2307.0/97

- sign 7.203+/-0.261 χ^2/NDF: 1004.6/49

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: 96.318+/-0.433 χ^2/NDF: 5657.1/26

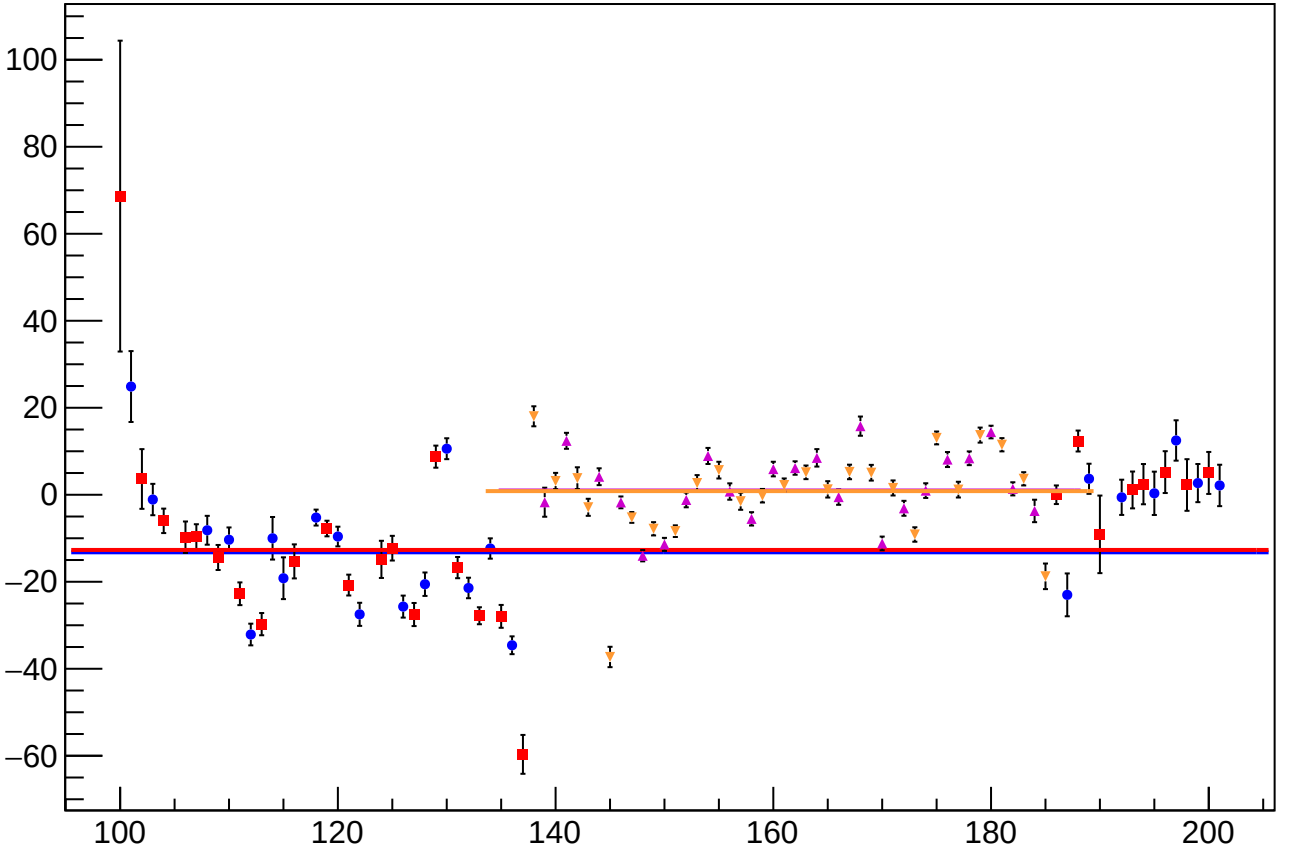
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

\+ sign 69.520+/-0.316 χ^2/NDF: 8617.8/47

All: 72.059+/-0.216 χ^2/NDF: 21029.9/97

\- sign 74.283+/-0.296 χ^2/NDF: 12291.3/49

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

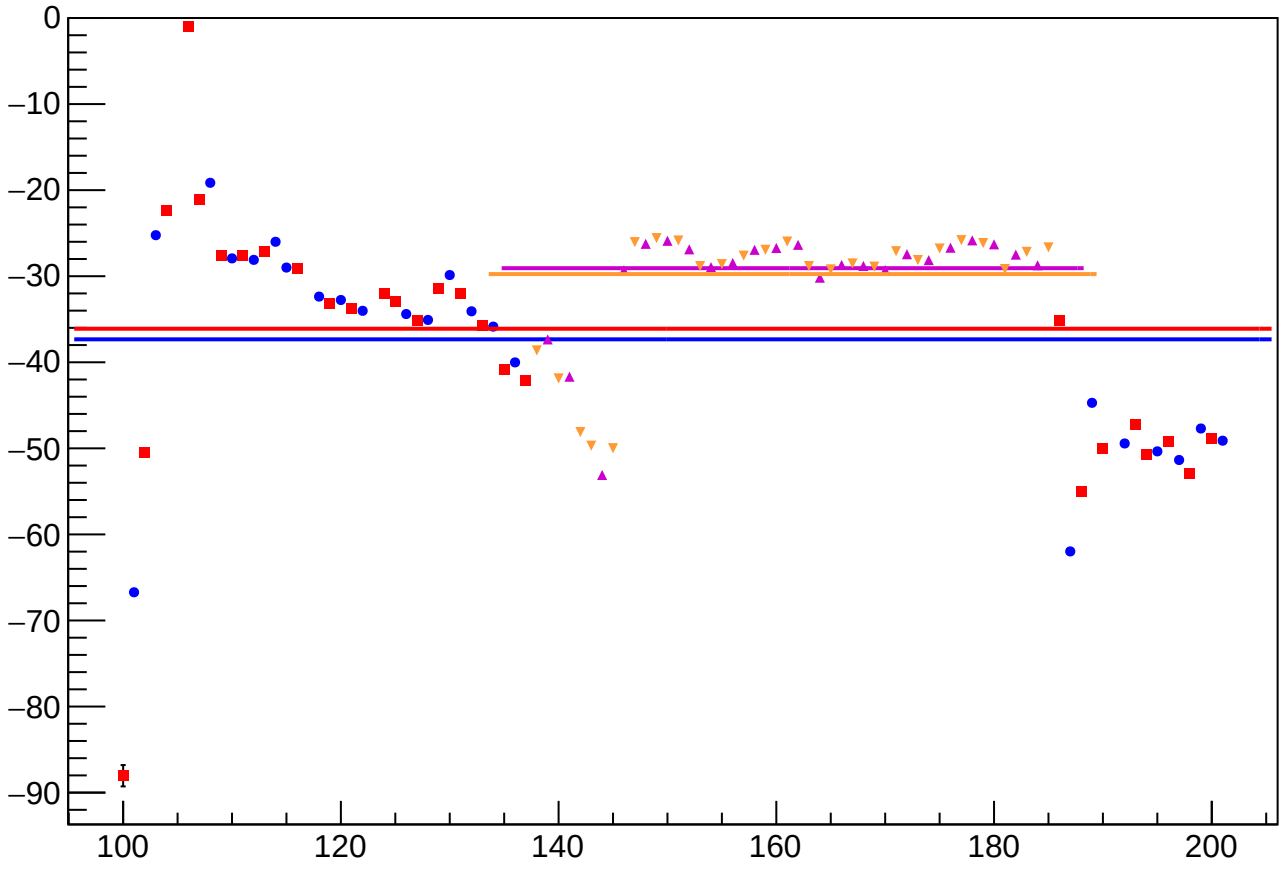
Right Out: -12.686+/-0.574 χ^2/NDF: 605.8/26

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.479+/-0.300 χ^2/NDF: 1611.4/47

All: -2.627+/-0.212 χ^2/NDF: 3187.2/97

\- sign -2.775+/-0.301 χ^2/NDF: 1575.3/49



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: -36.102+/-0.031 χ^2/NDF: 197627.0/26

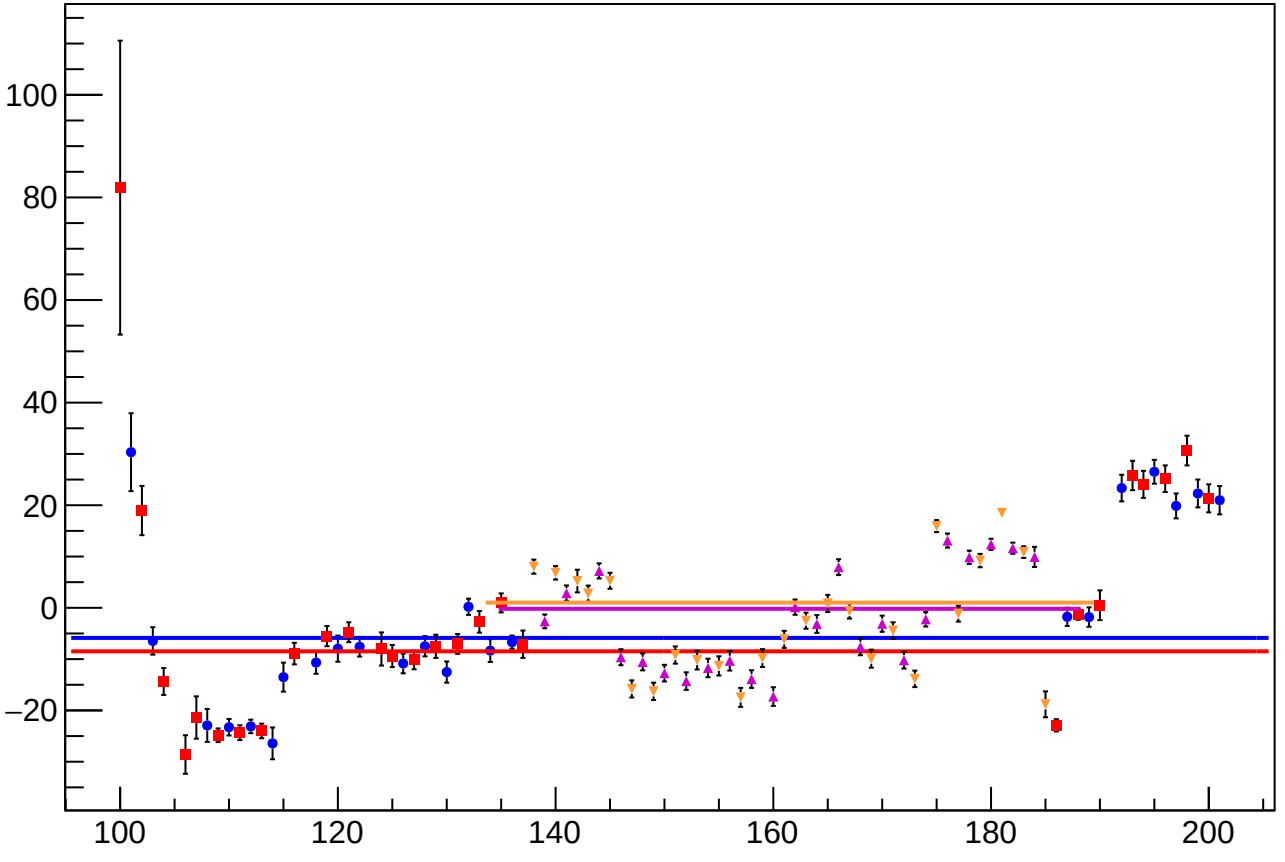
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.222+/-0.014 χ^2/NDF: 318875.1/47

All: -30.872+/-0.010 χ^2/NDF: 660199.2/97

- sign -30.517+/-0.014 χ^2/NDF: 340064.0/49

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: -8.479+/-0.384 χ^2/NDF: 1487.1/26

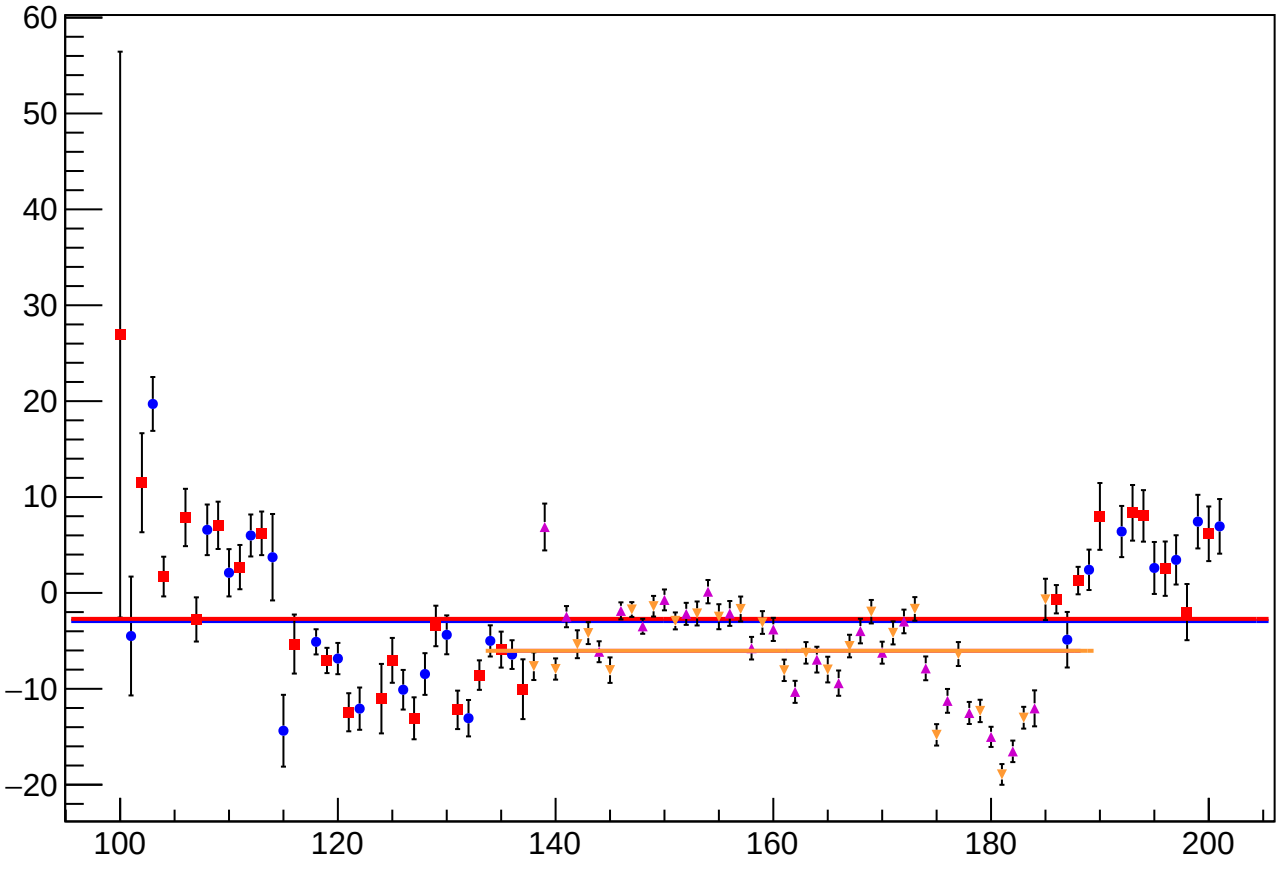
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -1.288+/-0.249 χ^2/NDF: 2581.4/47

All: -2.430+/-0.174 χ^2/NDF: 5371.6/97

- sign -3.523+/-0.243 χ^2/NDF: 2748.9/49

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: -2.706+/-0.428 χ^2/NDF: 237.1/26

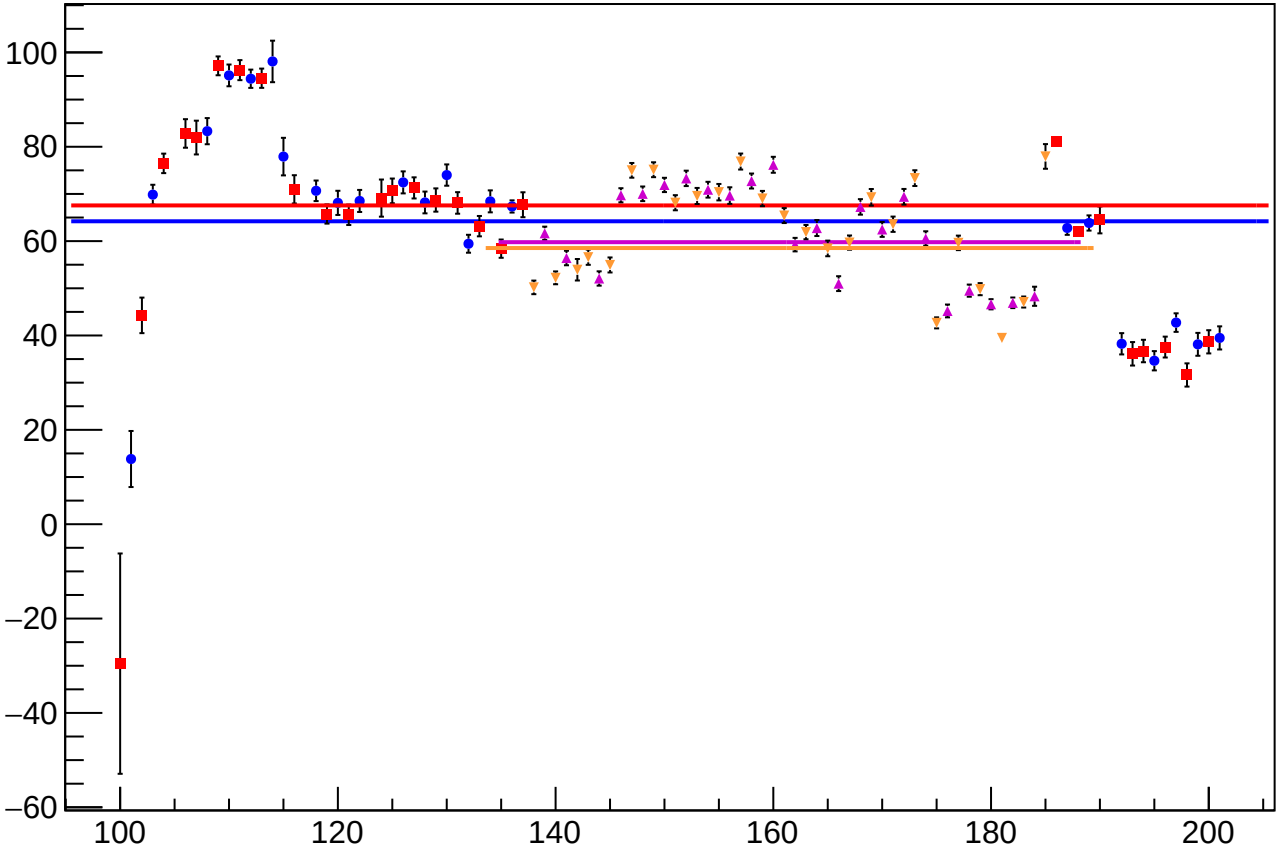
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.397+/-0.208 χ^2/NDF: 697.0/47

All: -5.316+/-0.148 χ^2/NDF: 1376.6/97

- sign -5.232+/-0.211 χ^2/NDF: 679.3/49

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: 67.565+/-0.385 χ^2/NDF: 1833.5/26

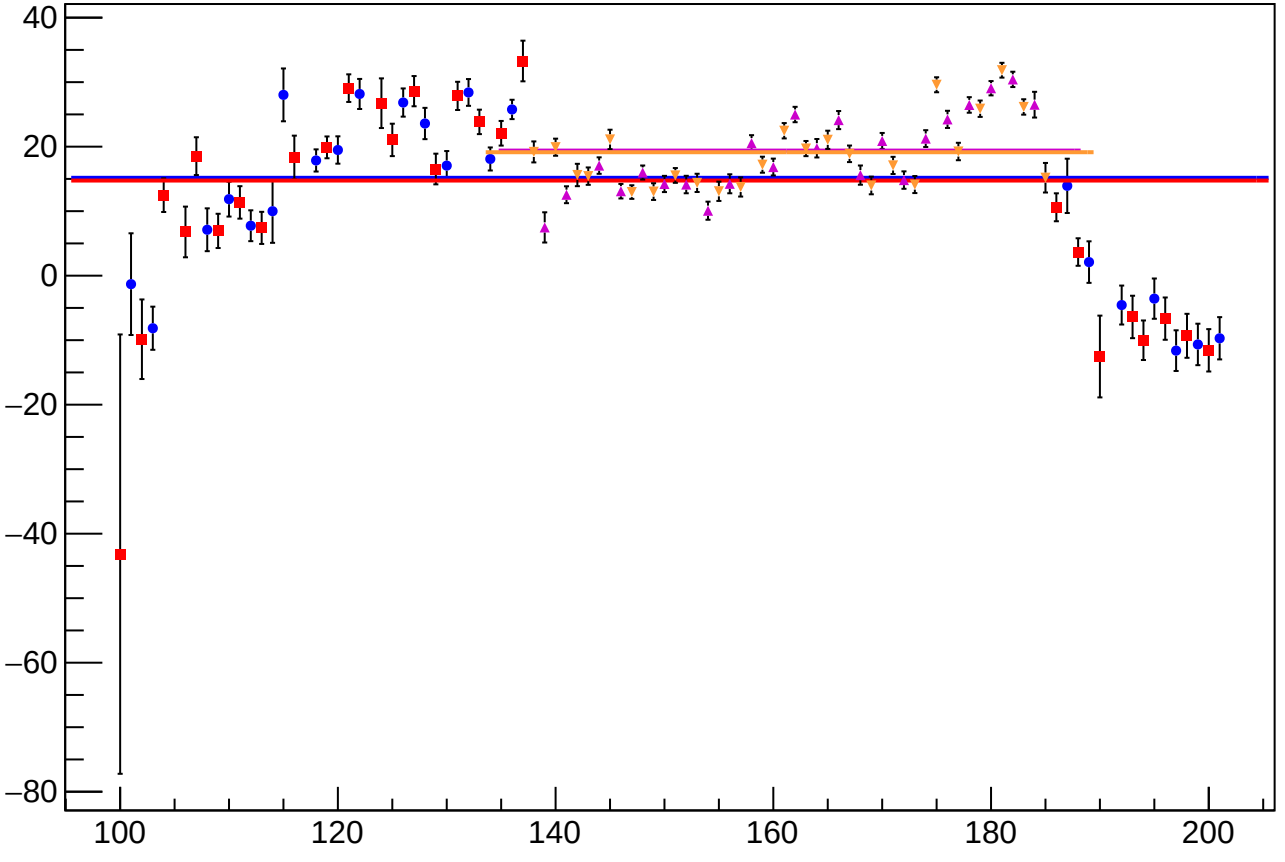
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 60.322+/-0.251 χ^2/NDF: 2924.5/47

All: 61.634+/-0.174 χ^2/NDF: 6128.8/97

- sign 62.859+/-0.242 χ^2/NDF: 3151.3/49

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: 14.748+/-0.510 χ^2/NDF: 571.9/26

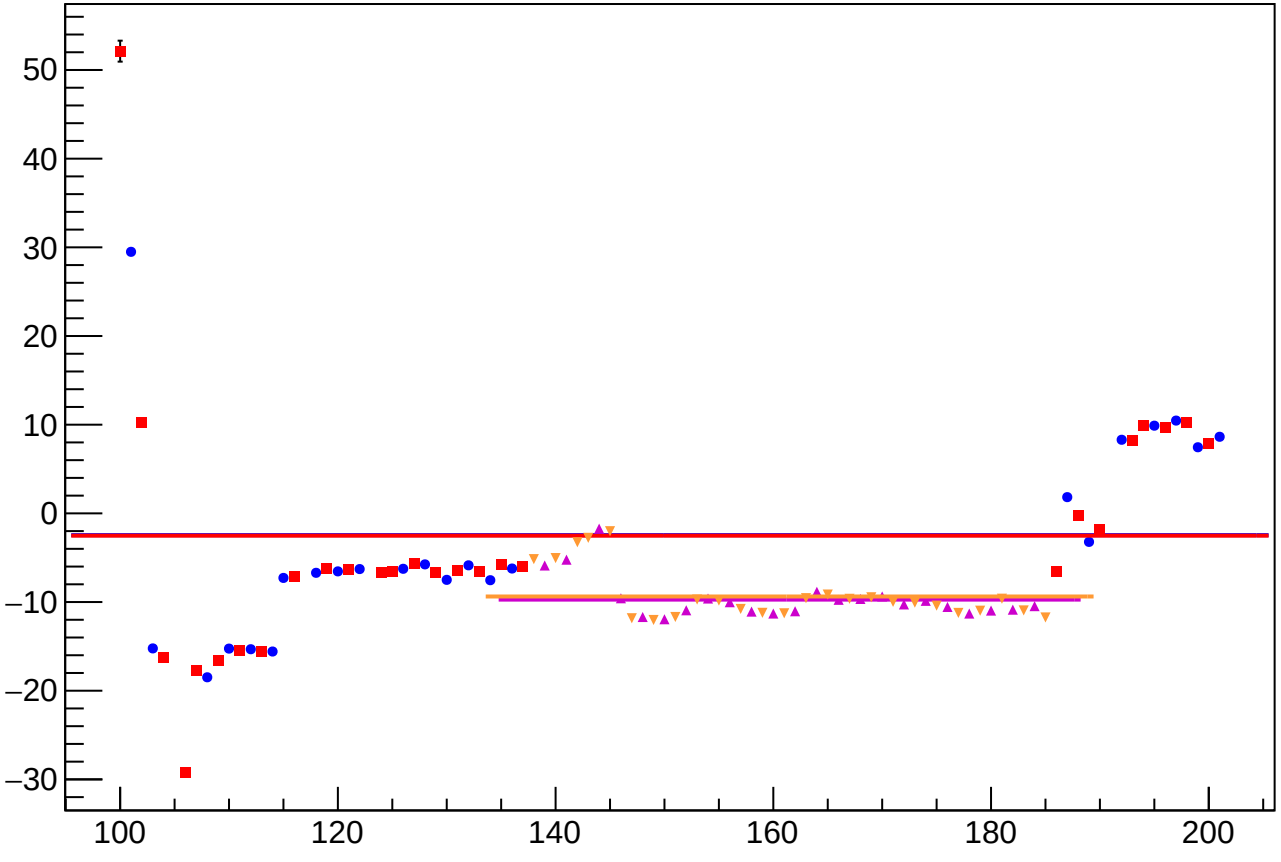
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.347+/-0.236 χ^2/NDF: 1021.6/47

All: 18.349+/-0.169 χ^2/NDF: 2125.6/97

- sign 18.352+/-0.241 χ^2/NDF: 1104.0/49

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: -2.515+/-0.026 χ^2/NDF: 174043.4/26

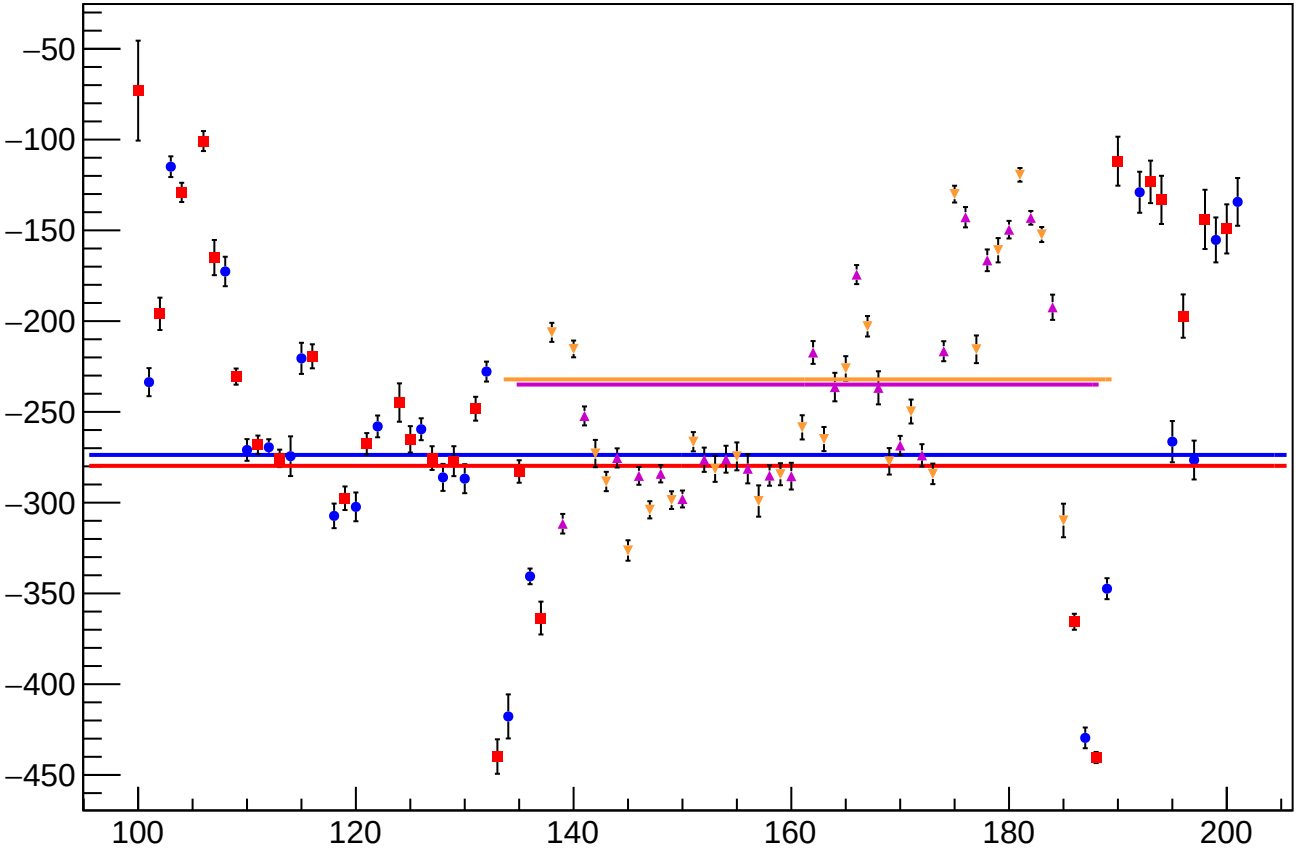
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -8.134+/-0.011 χ^2/NDF: 256334.7/47

All: -8.268+/-0.008 χ^2/NDF: 527480.0/97

- sign -8.407+/-0.011 χ^2/NDF: 270830.1/49

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: -279.721+/-1.256 χ^2/NDF: 6573.1/26

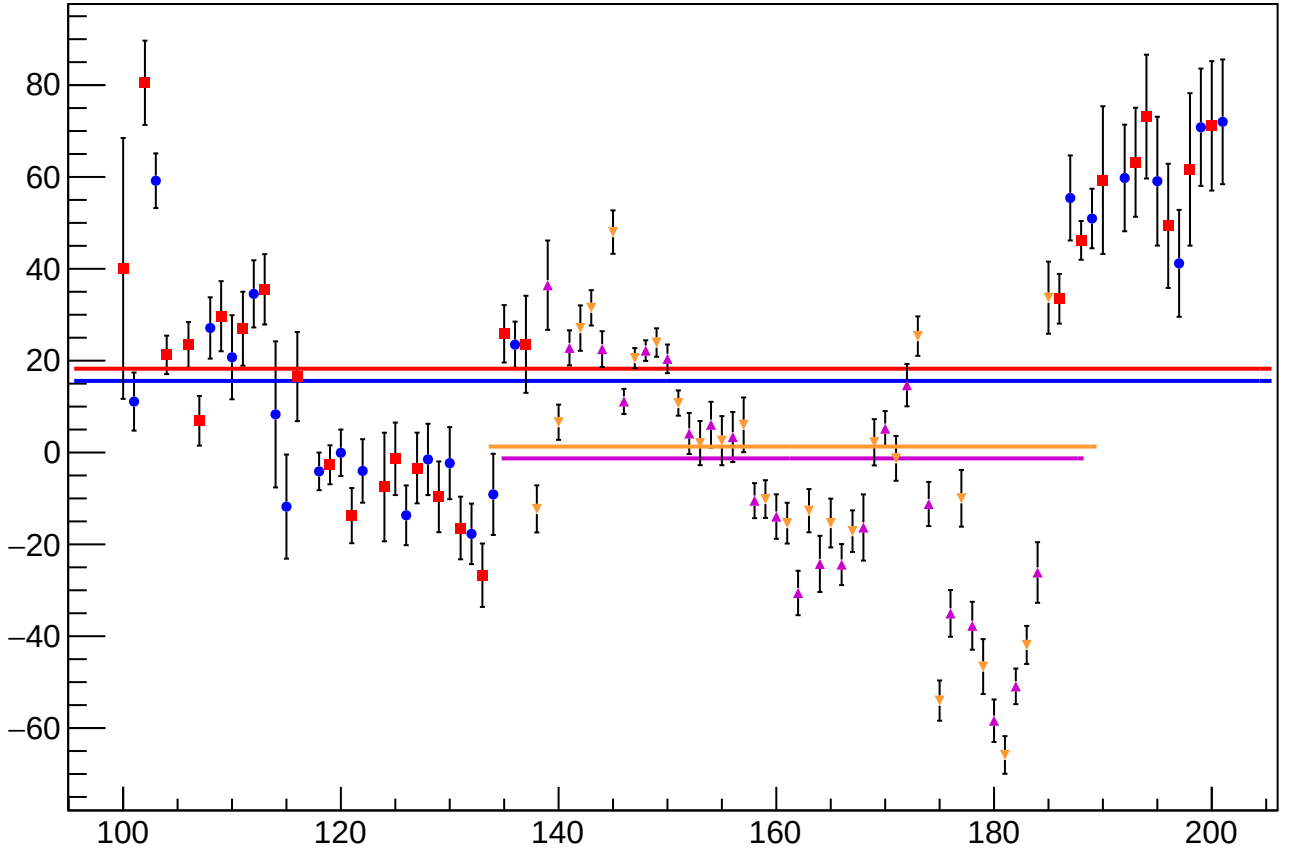
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -248.156+/-0.896 χ^2/NDF: 6559.6/47

All: -252.169+/-0.620 χ^2/NDF: 16318.5/97

- sign -255.855+/-0.858 χ^2/NDF: 9720.4/49

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: 18.249+/-1.357 χ^2/NDF: 331.2/26

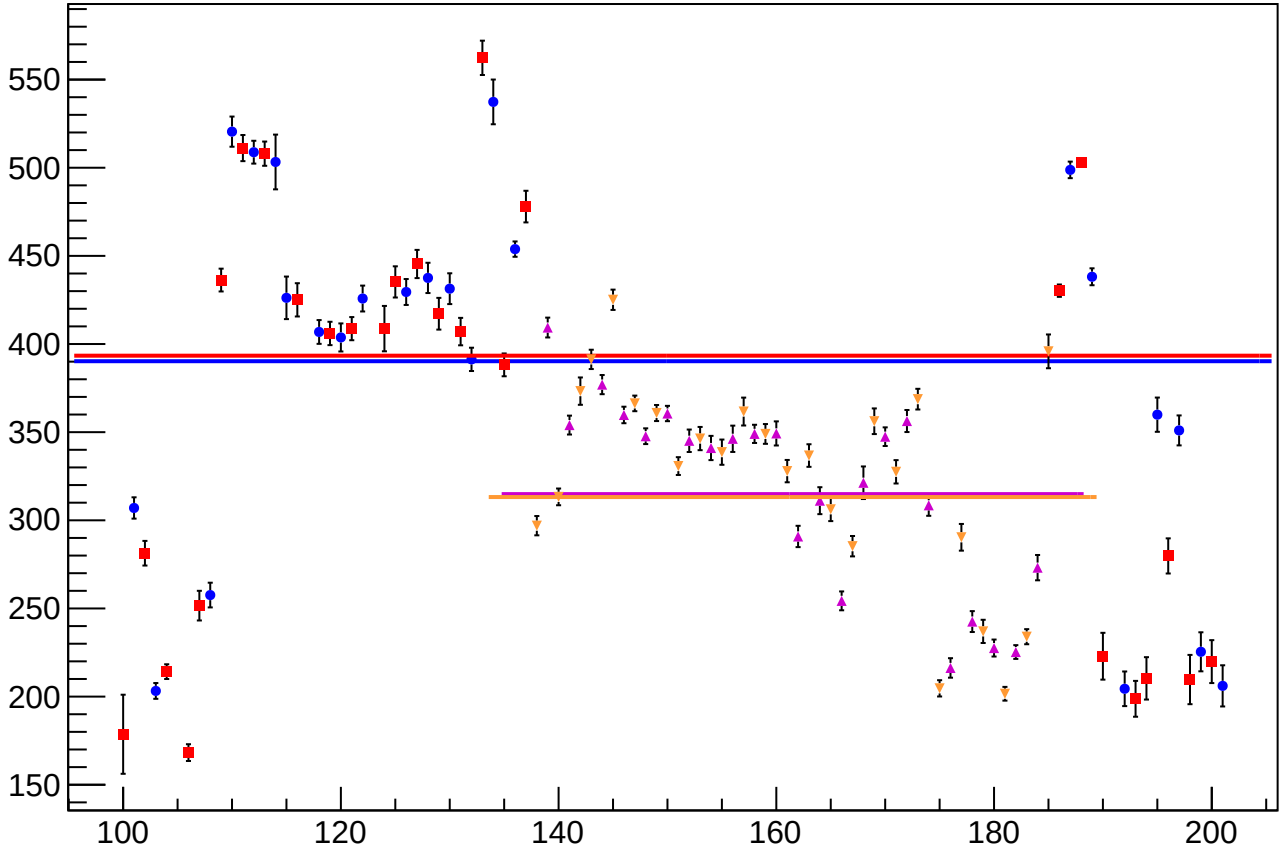
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 4.644+/-0.732 χ^2/NDF: 1408.2/47

All: 4.522+/-0.518 χ^2/NDF: 2697.6/97

- sign 4.400+/-0.732 χ^2/NDF: 1289.3/49

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: 393.386+/-1.231 χ^2/NDF: 9134.7/26

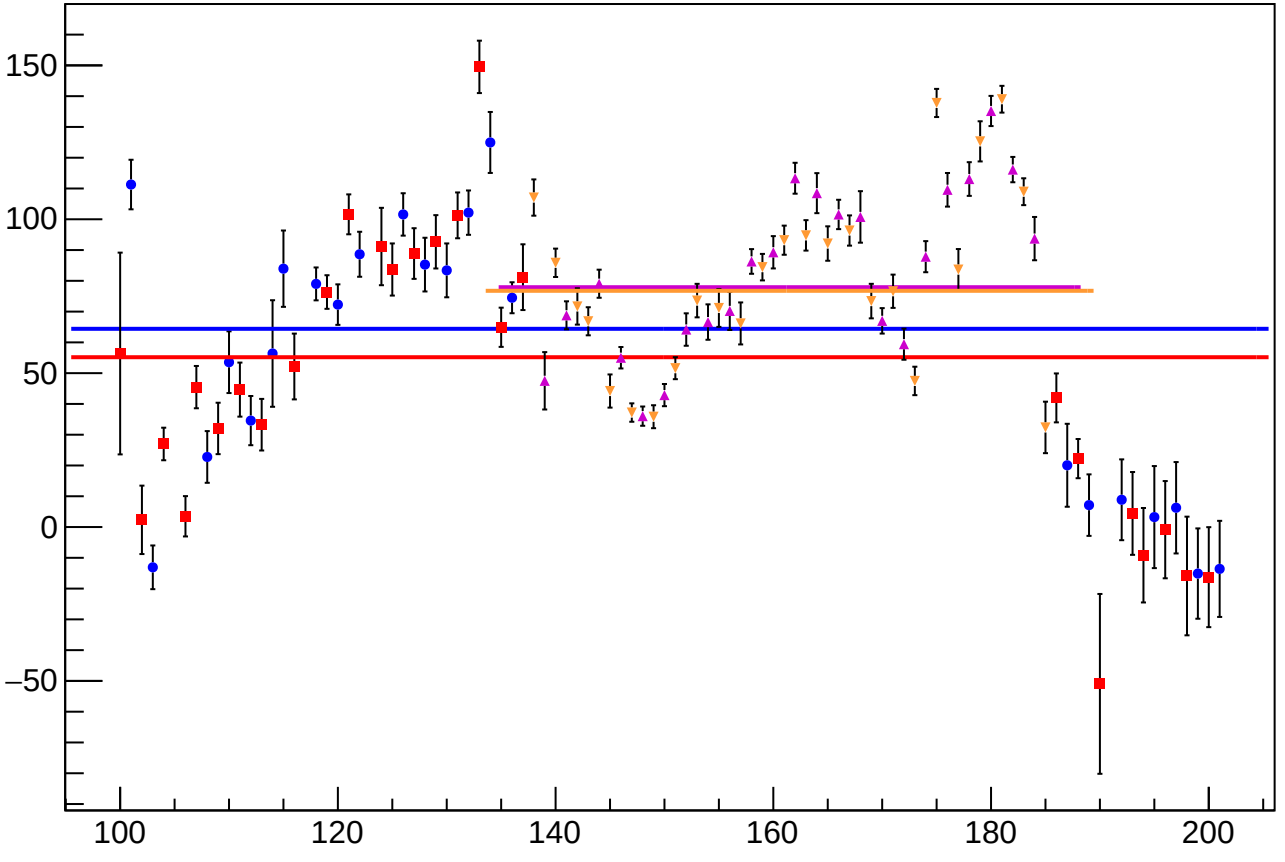
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 342.173+/-0.896 χ^2/NDF: 9747.1/47

All: 347.288+/-0.615 χ^2/NDF: 23524.9/97

- sign 351.837+/-0.845 χ^2/NDF: 13716.2/49

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: 55.178+/-1.639 χ^2/NDF: 542.0/26

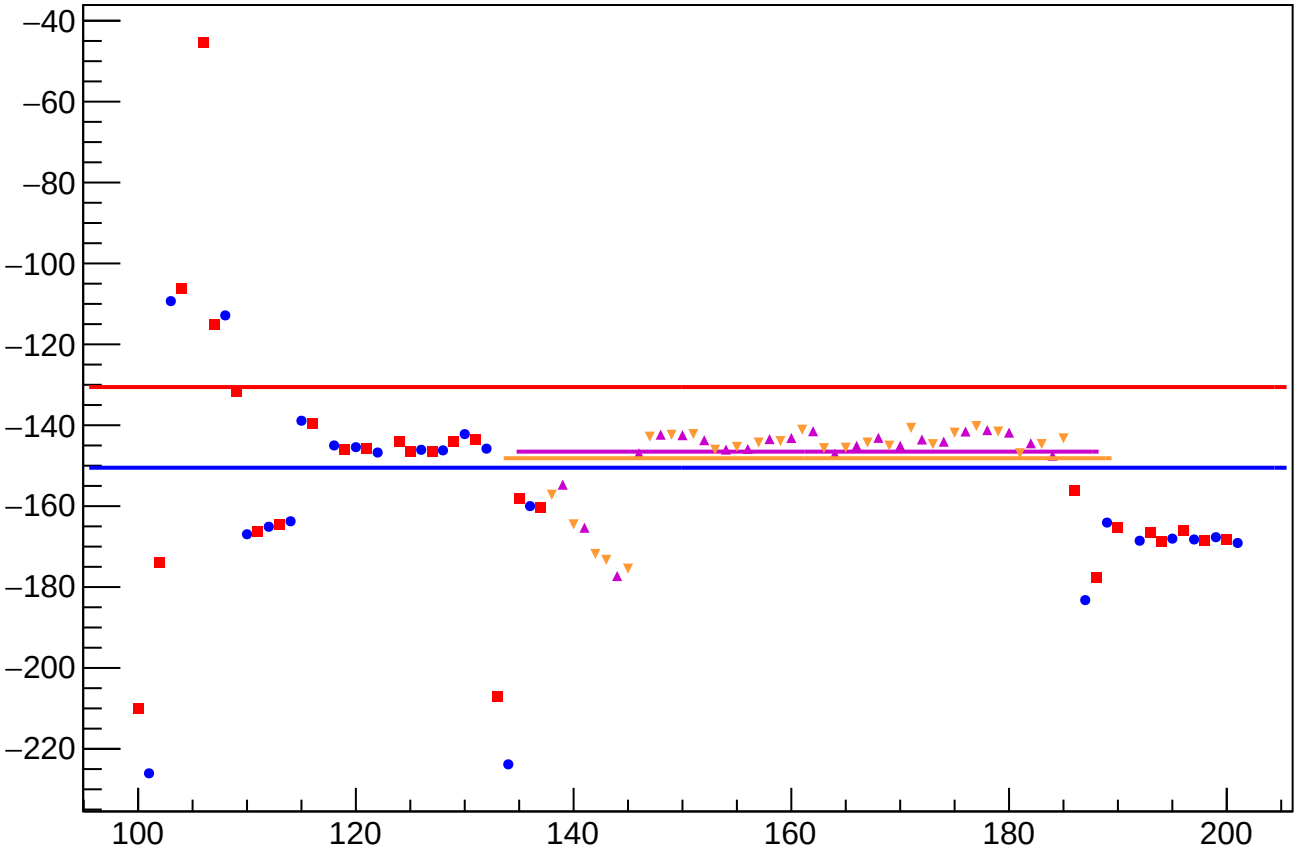
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 73.942+/-0.849 χ^2/NDF: 1541.0/47

All: 72.864+/-0.601 χ^2/NDF: 3010.7/97

- sign 71.780+/-0.852 χ^2/NDF: 1466.4/49

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: -130.557+/-0.079 χ^2/NDF: 337161.1/26

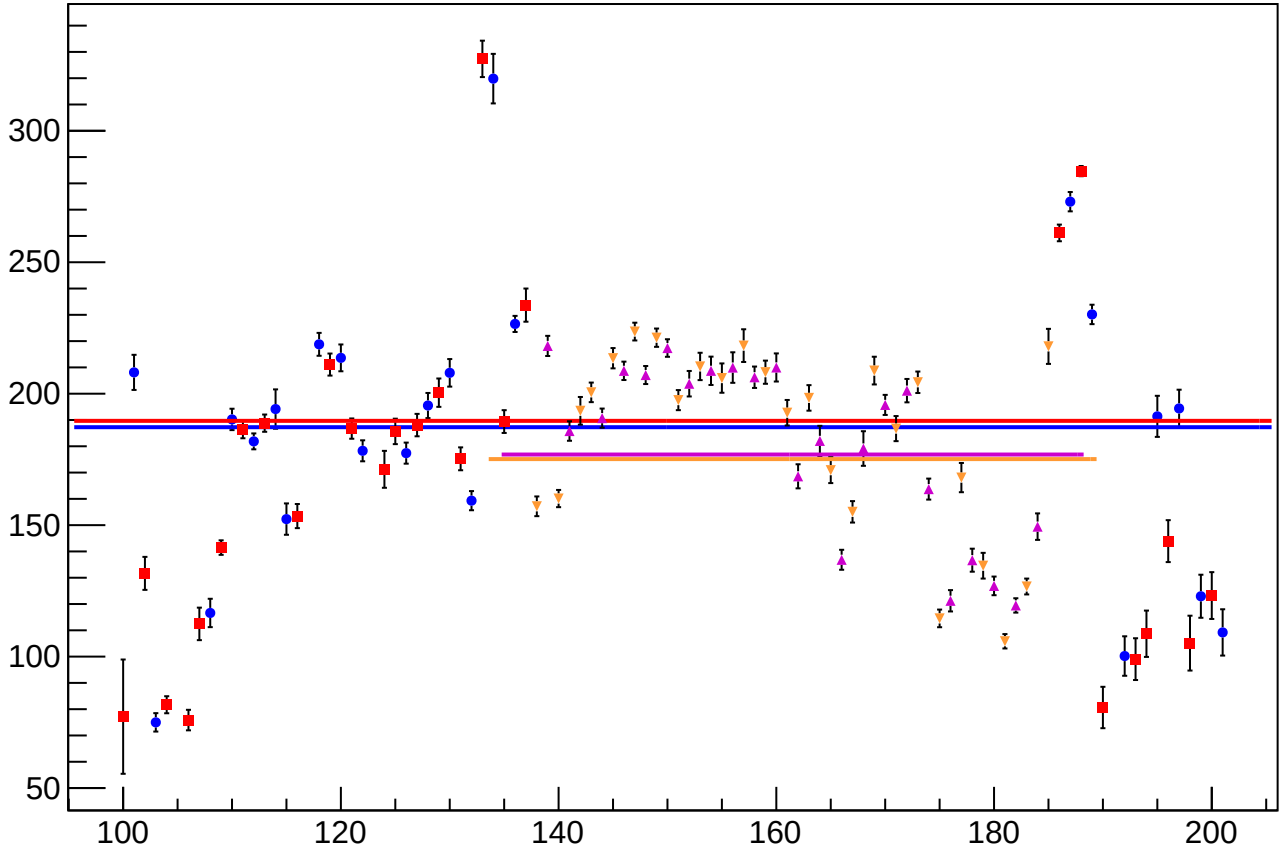
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.650+/-0.040 χ^2/NDF: 194708.2/47

All: -145.541+/-0.028 χ^2/NDF: 603768.7/97

- sign -142.519+/-0.039 χ^2/NDF: 397141.2/49

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: 189.673+/-0.831 χ^2/NDF: 6568.7/26

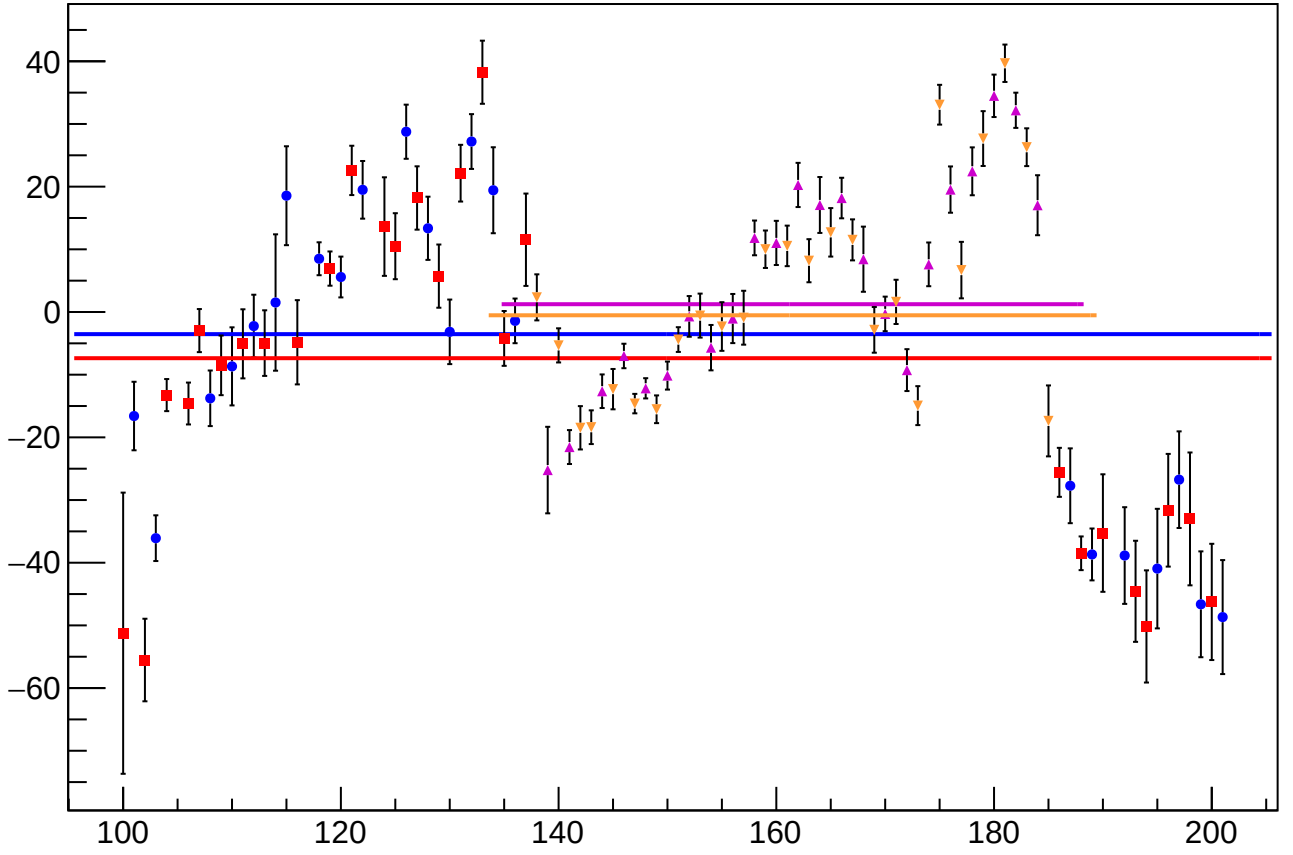
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 180.224+/-0.626 χ^2/NDF: 5120.3/47

All: 181.891+/-0.431 χ^2/NDF: 13575.2/97

- sign 183.388+/-0.593 χ^2/NDF: 8441.4/49

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: -7.370+/-0.894 χ^2/NDF: 577.2/26

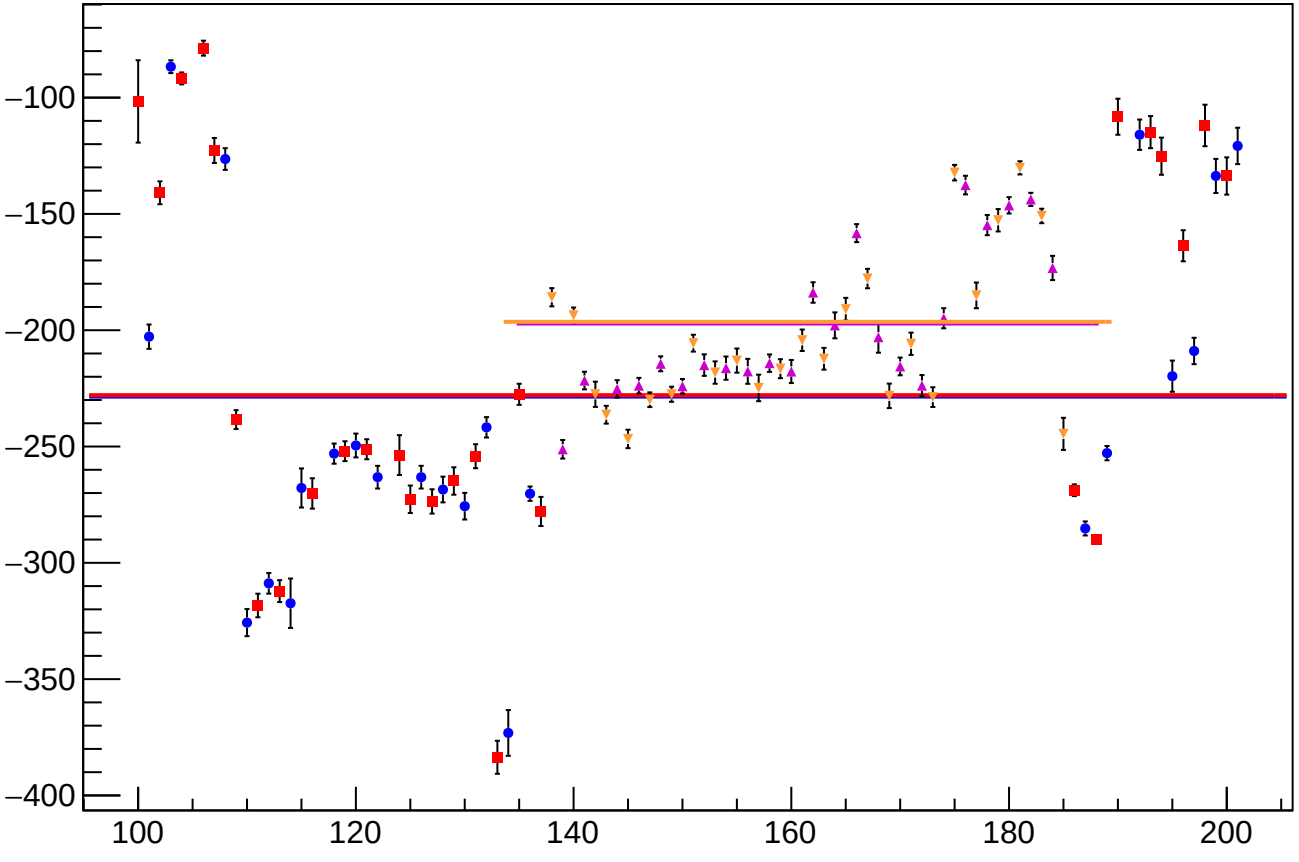
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -1.307+/-0.517 χ^2/NDF: 1197.2/47

All: -1.449+/-0.364 χ^2/NDF: 2457.4/97

- sign -1.588+/-0.512 χ^2/NDF: 1260.1/49

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: -227.917+/-0.811 χ^2/NDF: 10171.7/26

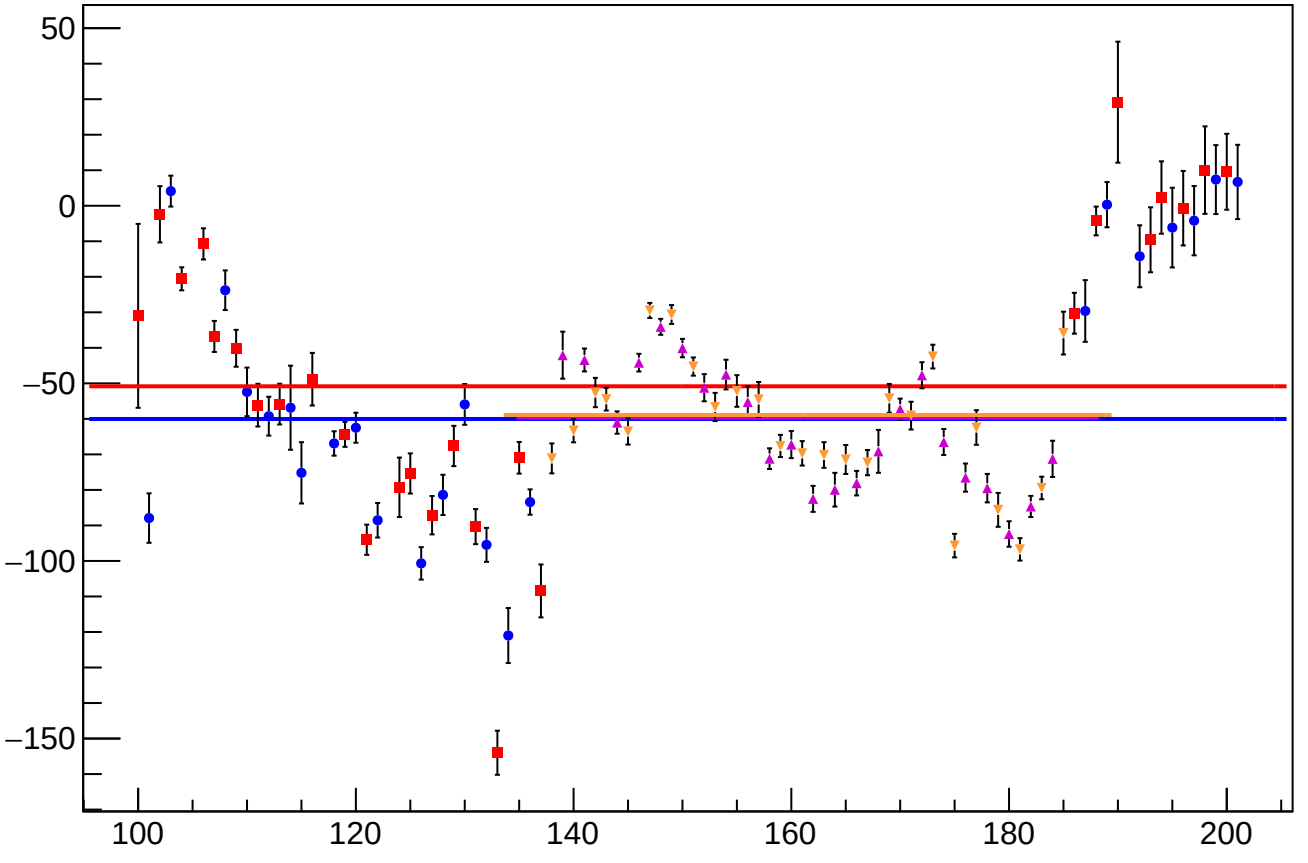
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -209.618+/-0.626 χ^2/NDF: 8264.6/47

All: -211.435+/-0.426 χ^2/NDF: 20751.8/97

- sign -213.009+/-0.582 χ^2/NDF: 12471.4/49

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: -50.828+/-1.082 χ^2/NDF: 1141.6/26

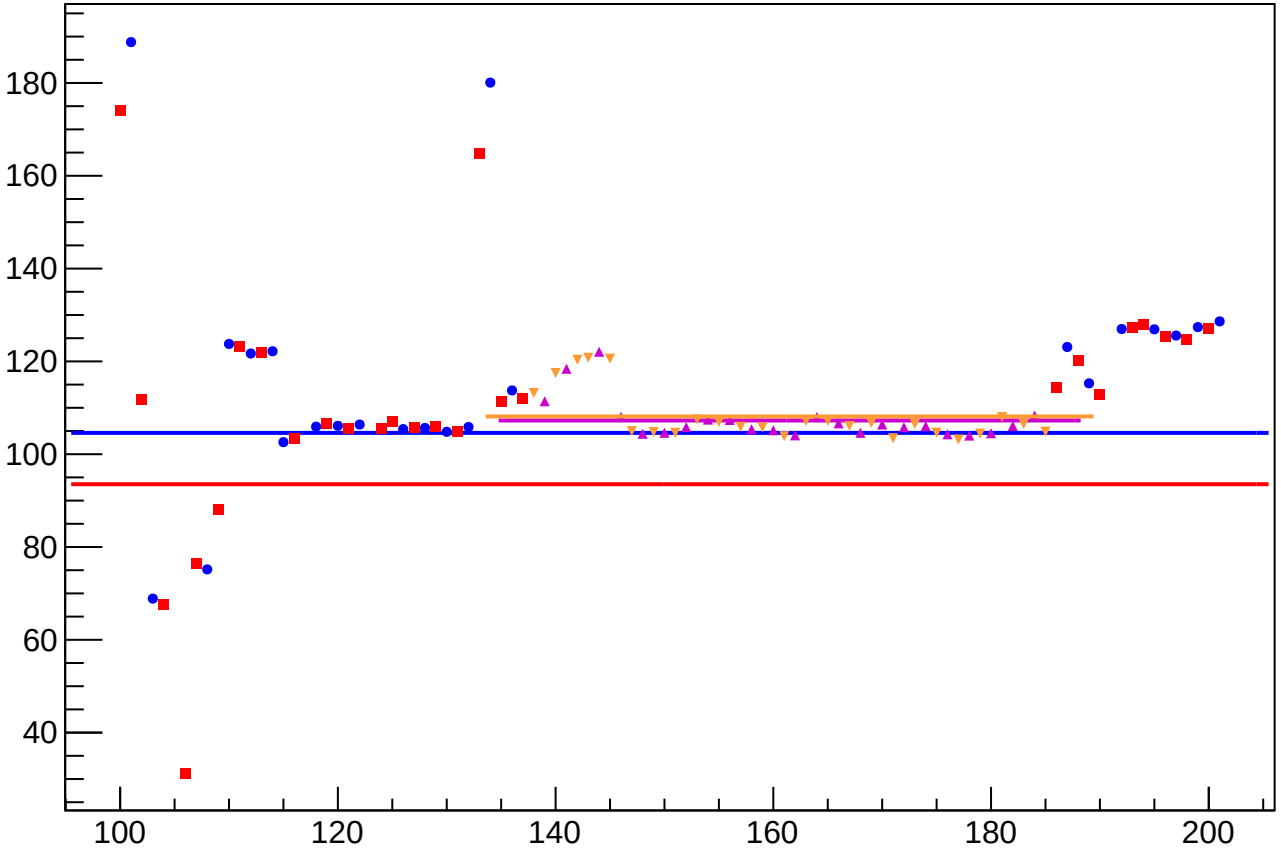
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -59.193+/-0.601 χ^2/NDF: 1629.8/47

All: -58.064+/-0.424 χ^2/NDF: 3421.6/97

- sign -56.943+/-0.598 χ^2/NDF: 1784.7/49

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

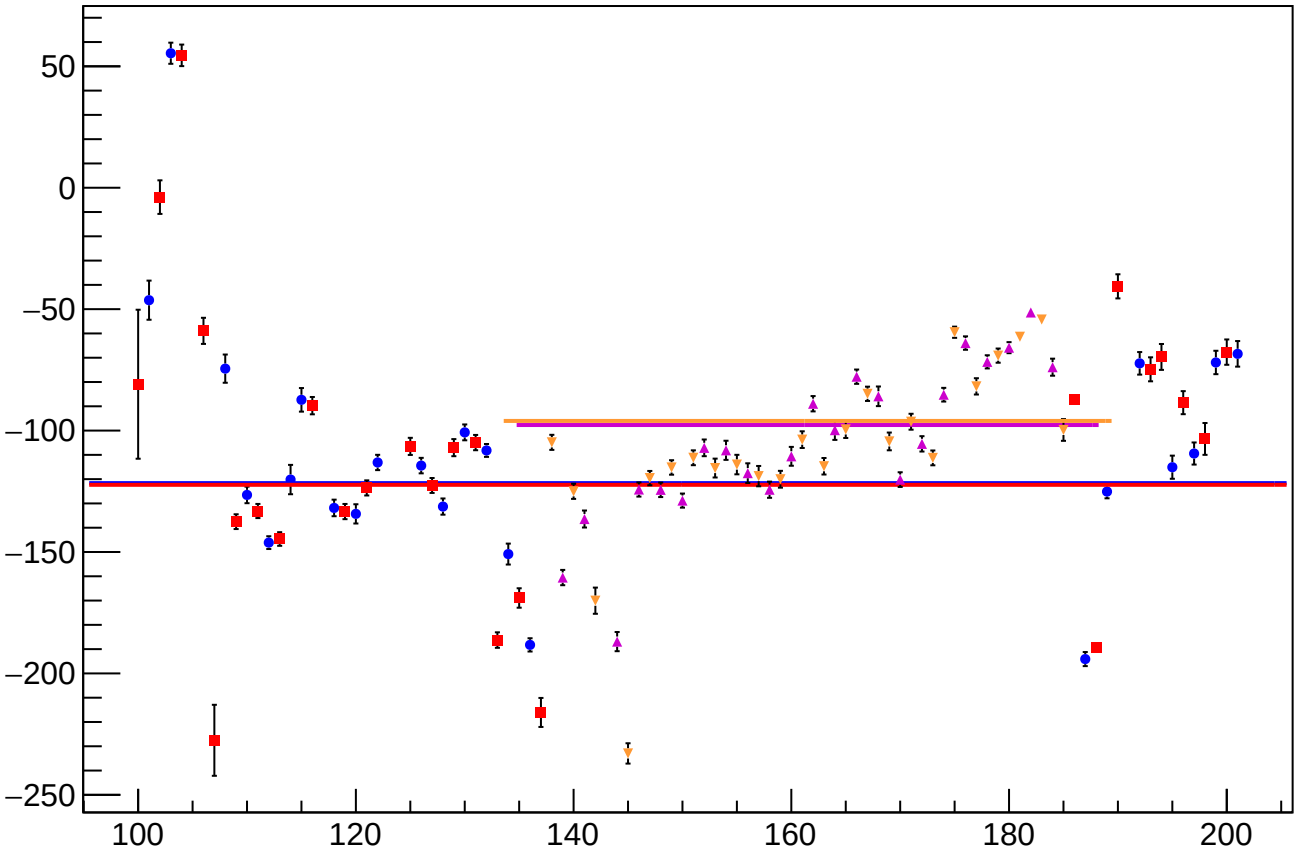
Right Out: 93.533+/-0.053 χ^2/NDF: 366501.5/26

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 107.288+/-0.028 χ^2/NDF: 297119.0/47

All: 105.357+/-0.020 χ^2/NDF: 737983.4/97

- sign 103.475+/-0.028 χ^2/NDF: 431669.4/49



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: -122.331+/-0.664 χ^2/NDF: 5897.6/25

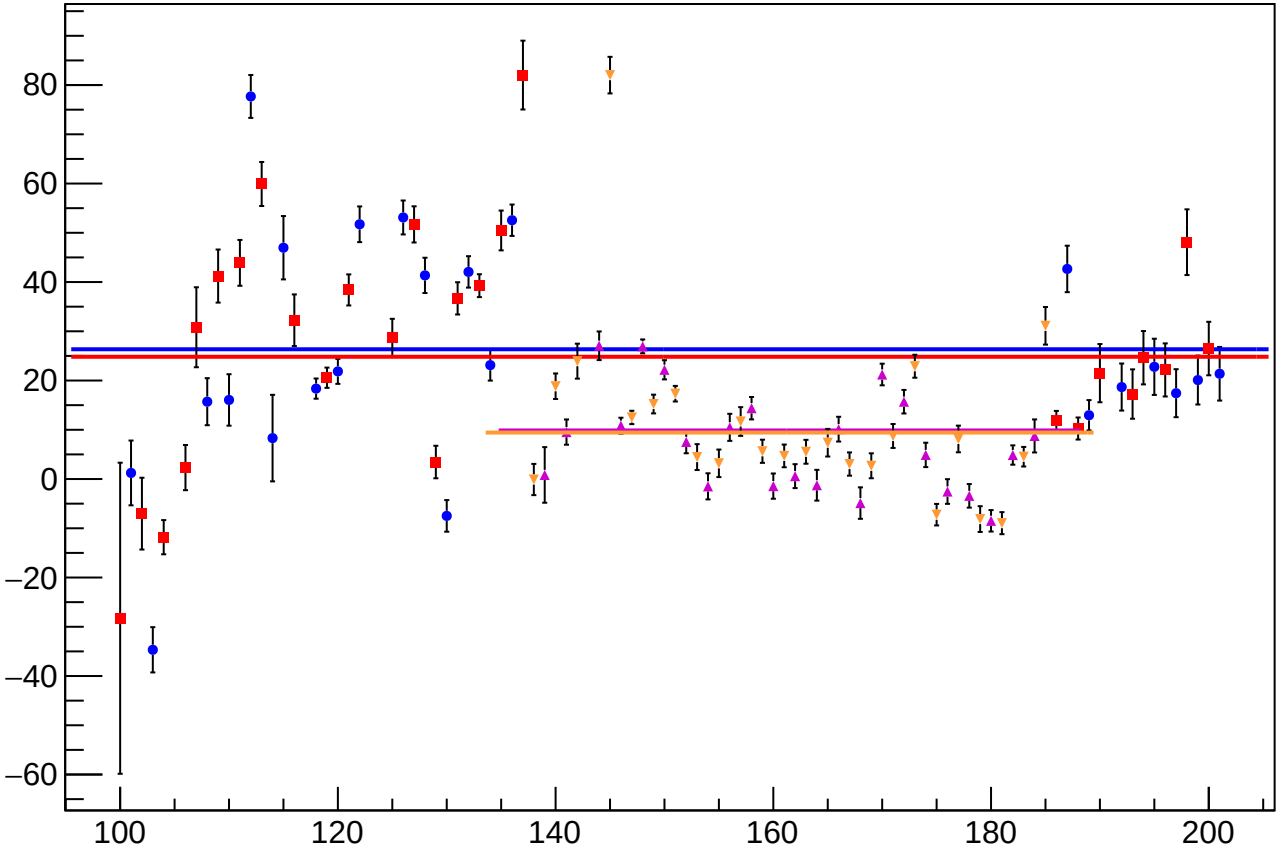
Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -106.542+/-0.487 χ^2/NDF: 7089.4/46

All: -108.130+/-0.335 χ^2/NDF: 16362.3/95

\- sign -109.545+/-0.460 χ^2/NDF: 9252.8/48

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 26.351+/-0.788 χ^2/NDF: 742.2/22

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

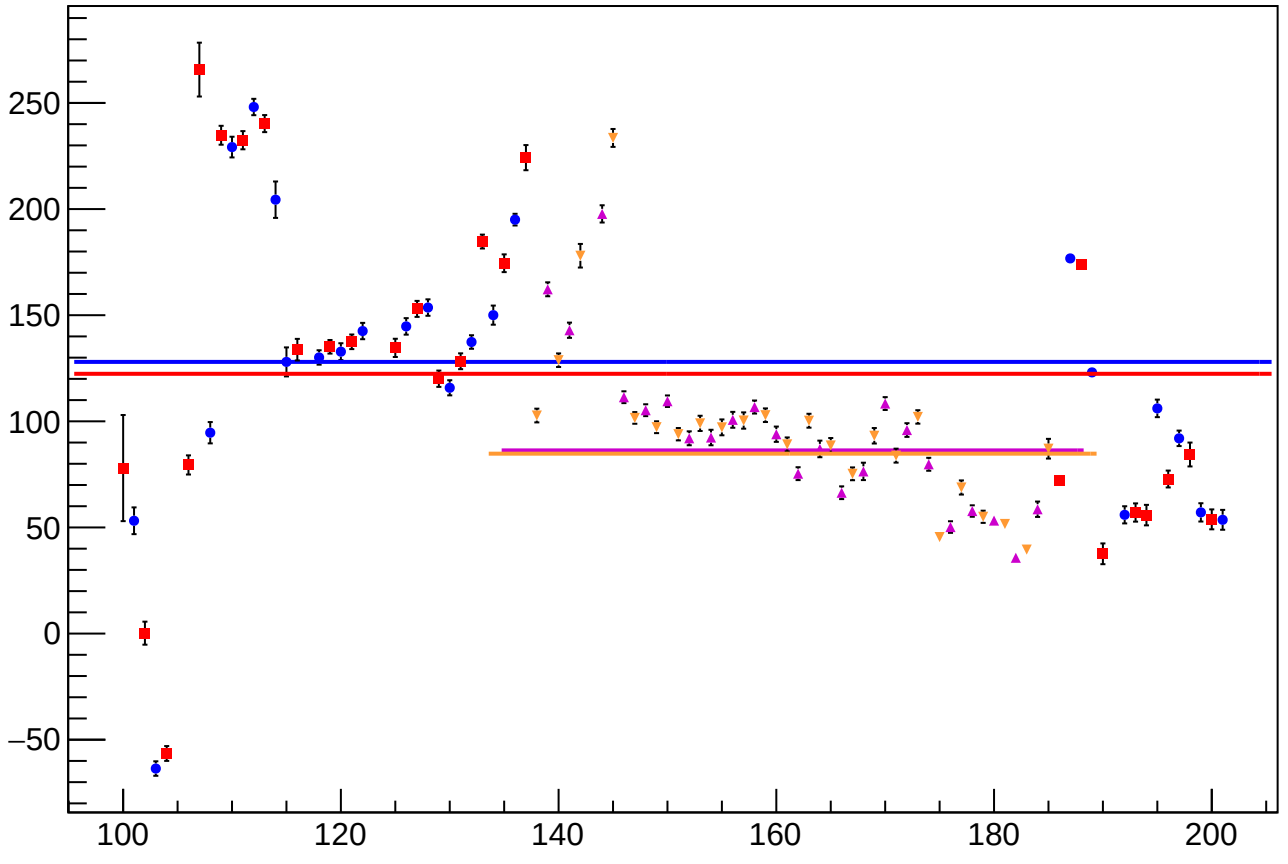
Right Out: 24.827+/-0.726 χ^2/NDF: 624.1/25

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: 3218.7/95

- sign 14.503+/-0.404 χ^2/NDF: 1402.7/48



Right In: 127.998+/-0.778 χ^2/NDF: 6916.0/22

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

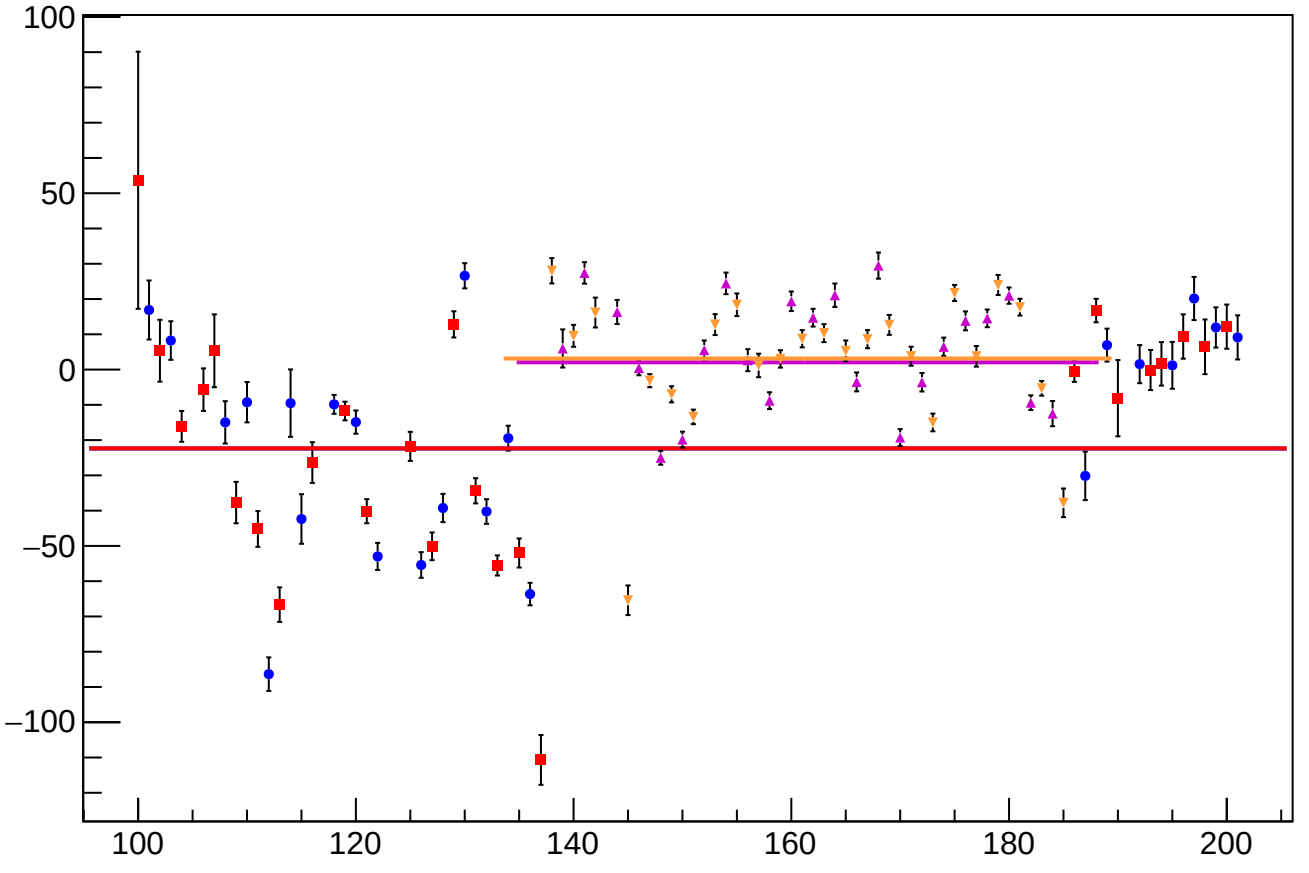
Right Out: 122.388+/-0.640 χ^2/NDF: 10549.9/25

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 101.867+/-0.489 χ^2/NDF: 11895.4/46

All: 103.076+/-0.331 χ^2/NDF: 27218.5/95

\- sign 104.099+/-0.450 χ^2/NDF: 15311.8/48



Right In: -22.396+/-0.927 χ^2/NDF: 1006.0/22

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

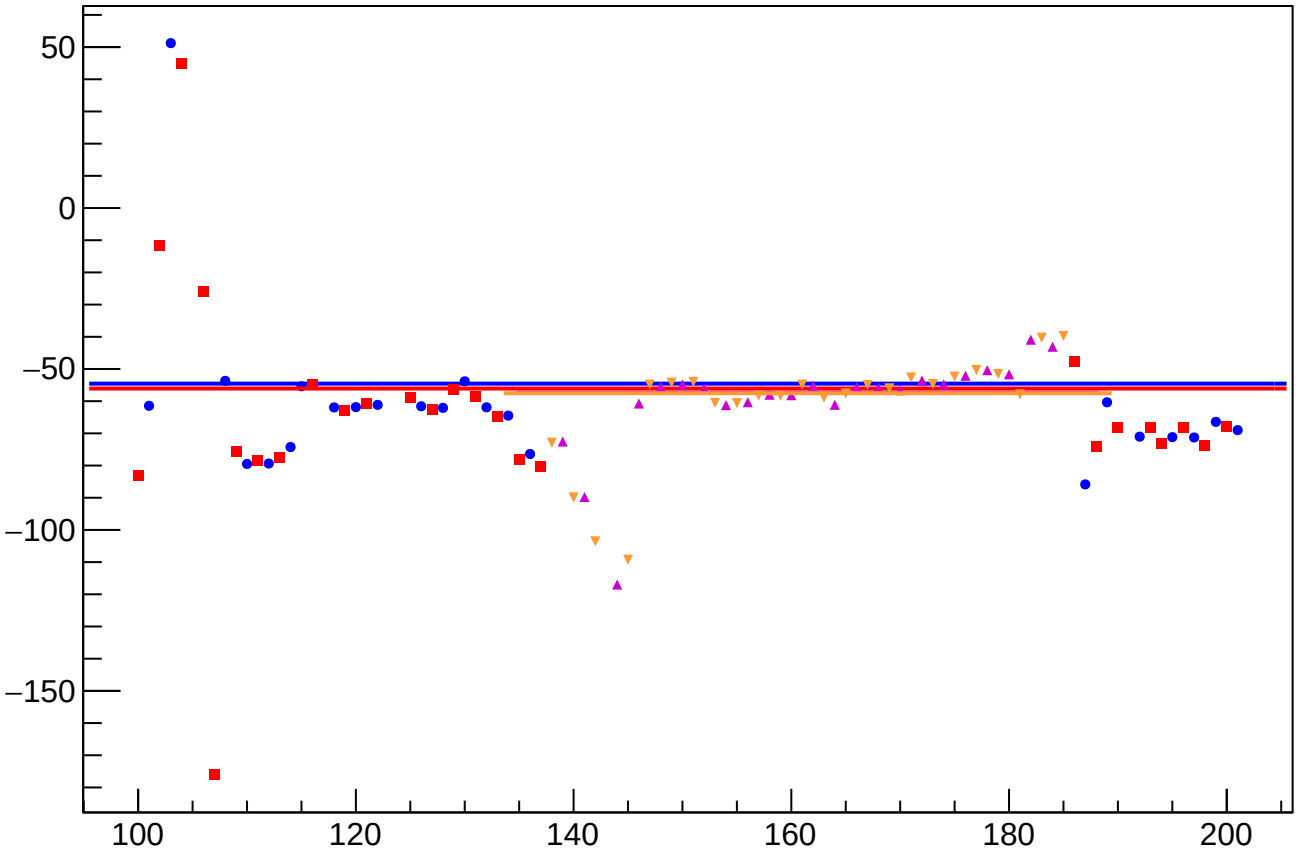
Right Out: -22.338+/-0.883 χ^2/NDF: 971.3/25

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.390+/-0.469 χ^2/NDF: 2385.1/46

All: -4.091+/-0.331 χ^2/NDF: 4761.0/95

- sign -4.788+/-0.467 χ^2/NDF: 2371.4/48



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: -56.077+/-0.047 χ^2/NDF: 560872.1/25

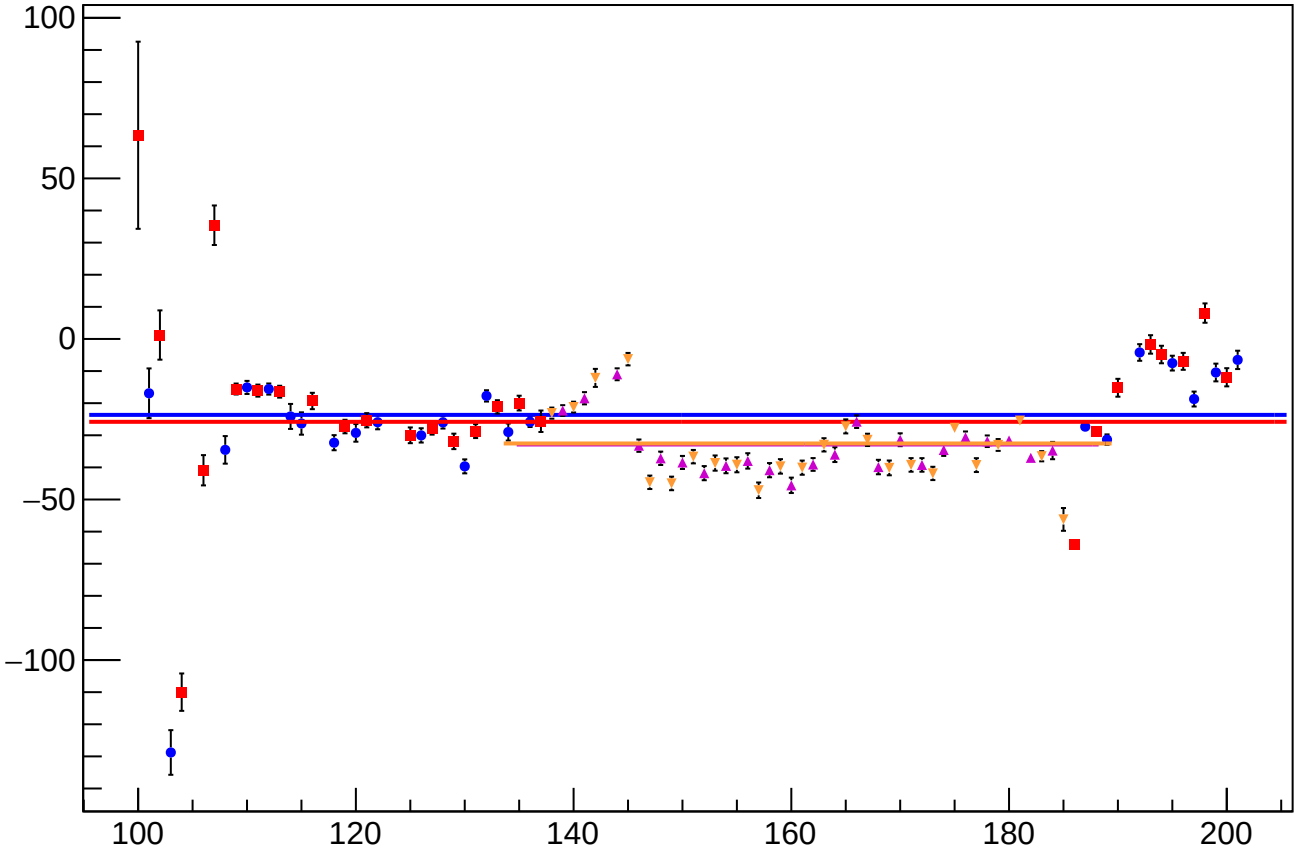
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -56.878+/-0.022 χ^2/NDF: 911962.0/46

All: -56.984+/-0.015 χ^2/NDF: 1700626.2/95

- sign -57.090+/-0.022 χ^2/NDF: 788617.2/48

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -23.645+/-0.471 χ^2/NDF: 573.0/22

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

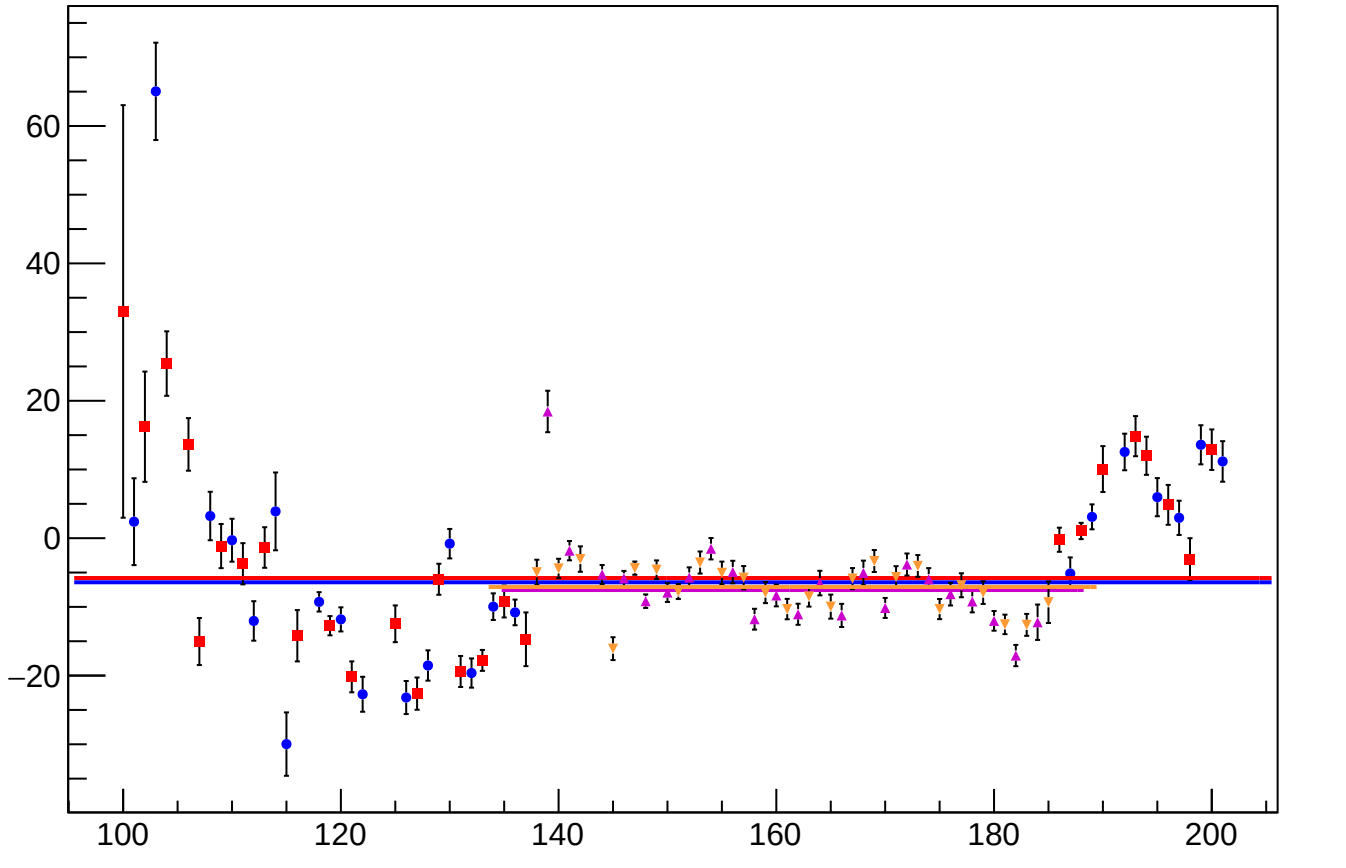
Right Out: -25.805+/-0.422 χ^2/NDF: 1542.2/25

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -28.744+/-0.308 χ^2/NDF: 1381.6/46

All: -29.101+/-0.213 χ^2/NDF: 3443.2/95

- sign -29.428+/-0.295 χ^2/NDF: 2059.0/48



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: -5.796+/-0.475 χ^2/NDF: 536.7/25

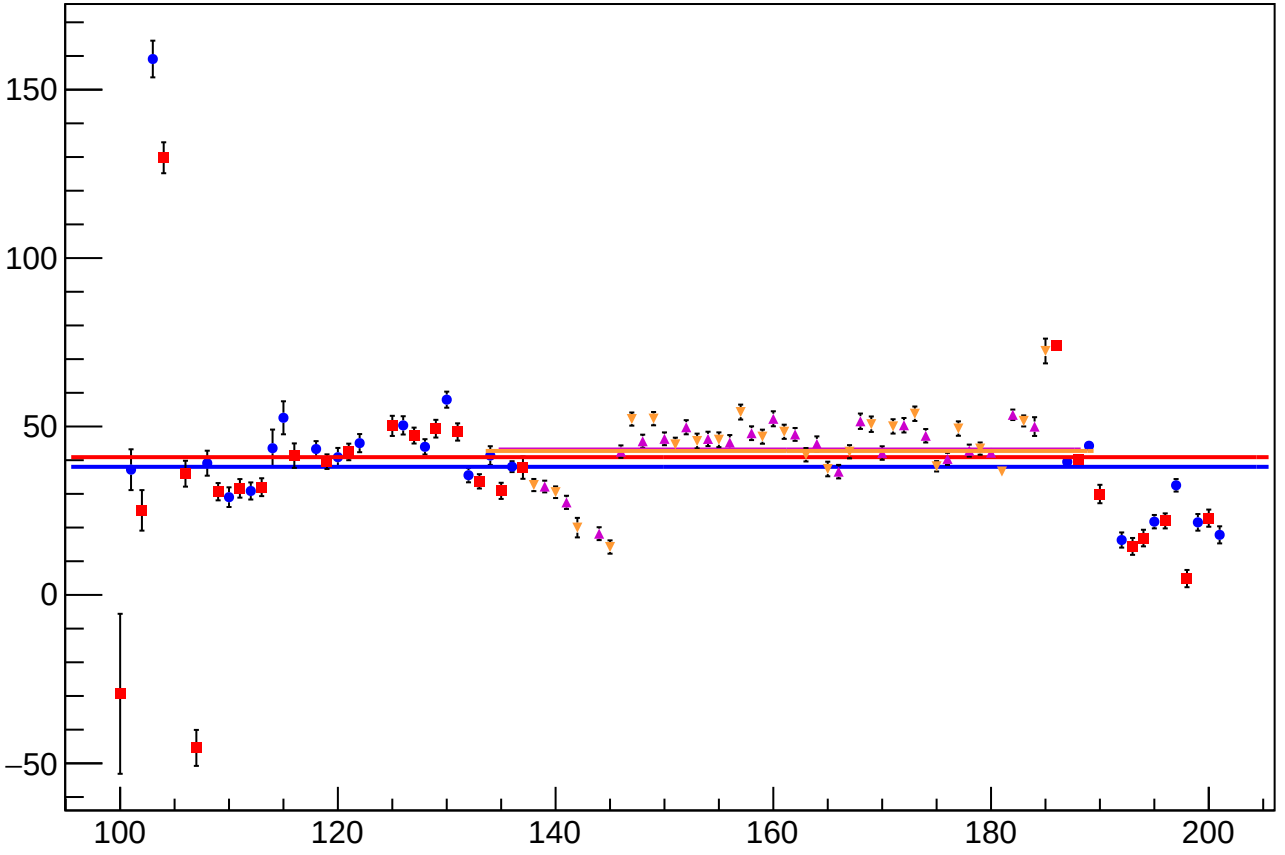
Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -6.921+/-0.264 χ^2/NDF: 644.3/46

All: -6.967+/-0.186 χ^2/NDF: 1390.2/95

- sign -7.012+/-0.263 χ^2/NDF: 745.9/48

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: 38.027+/-0.471 χ^2/NDF: 934.3/22

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

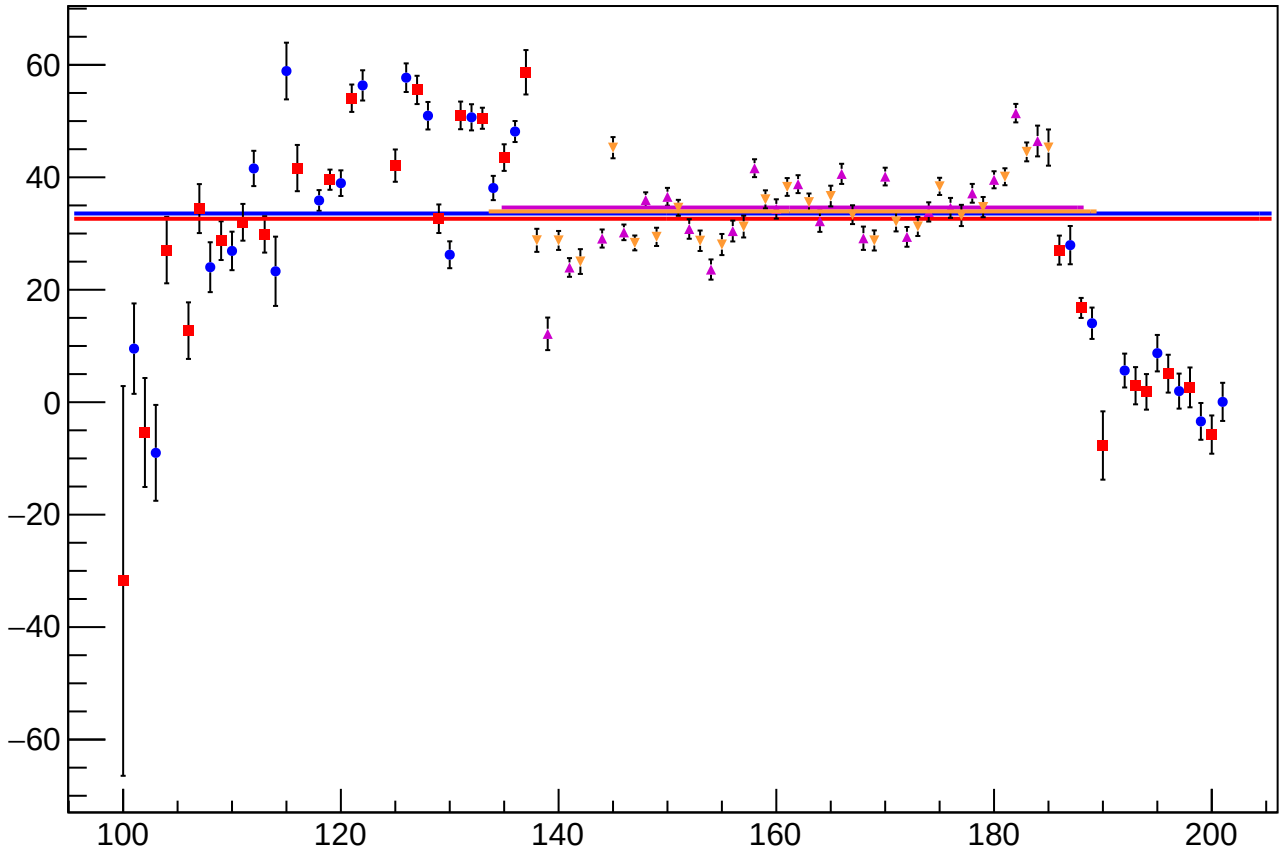
Right Out: 40.899+/-0.407 χ^2/NDF: 2167.4/25

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 40.750+/-0.306 χ^2/NDF: 1623.7/46

All: 41.432+/-0.210 χ^2/NDF: 4228.9/95

- sign 42.033+/-0.288 χ^2/NDF: 2595.9/48



Right In: 33.563+/-0.593 χ^2/NDF: 949.8/22

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

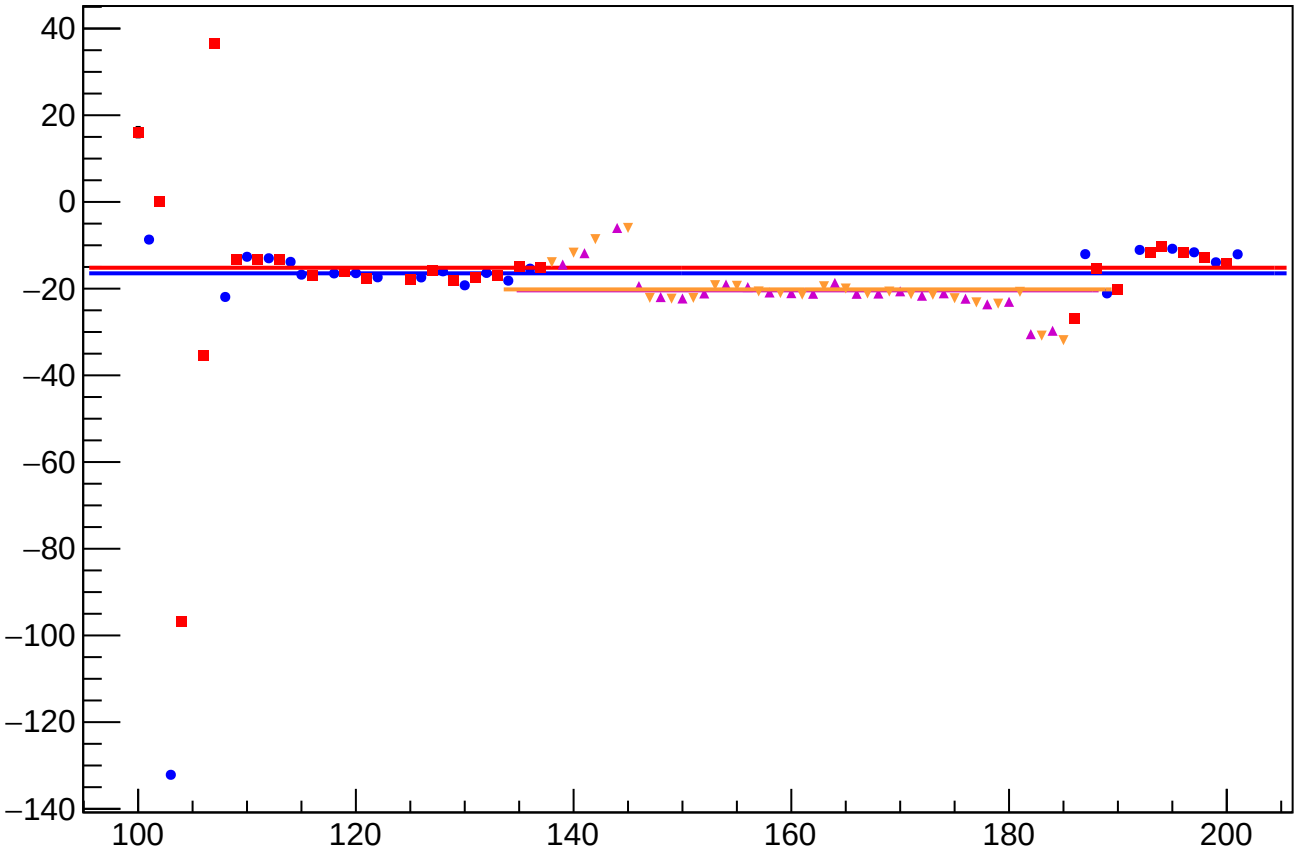
Right Out: 32.628+/-0.576 χ^2/NDF: 1009.6/25

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

\+ sign 33.835+/-0.302 χ^2/NDF: 1166.6/46

All: 33.953+/-0.214 χ^2/NDF: 2561.2/95

\- sign 34.072+/-0.303 χ^2/NDF: 1394.3/48



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: -15.178+/-0.029 χ^2/NDF: 217264.8/25

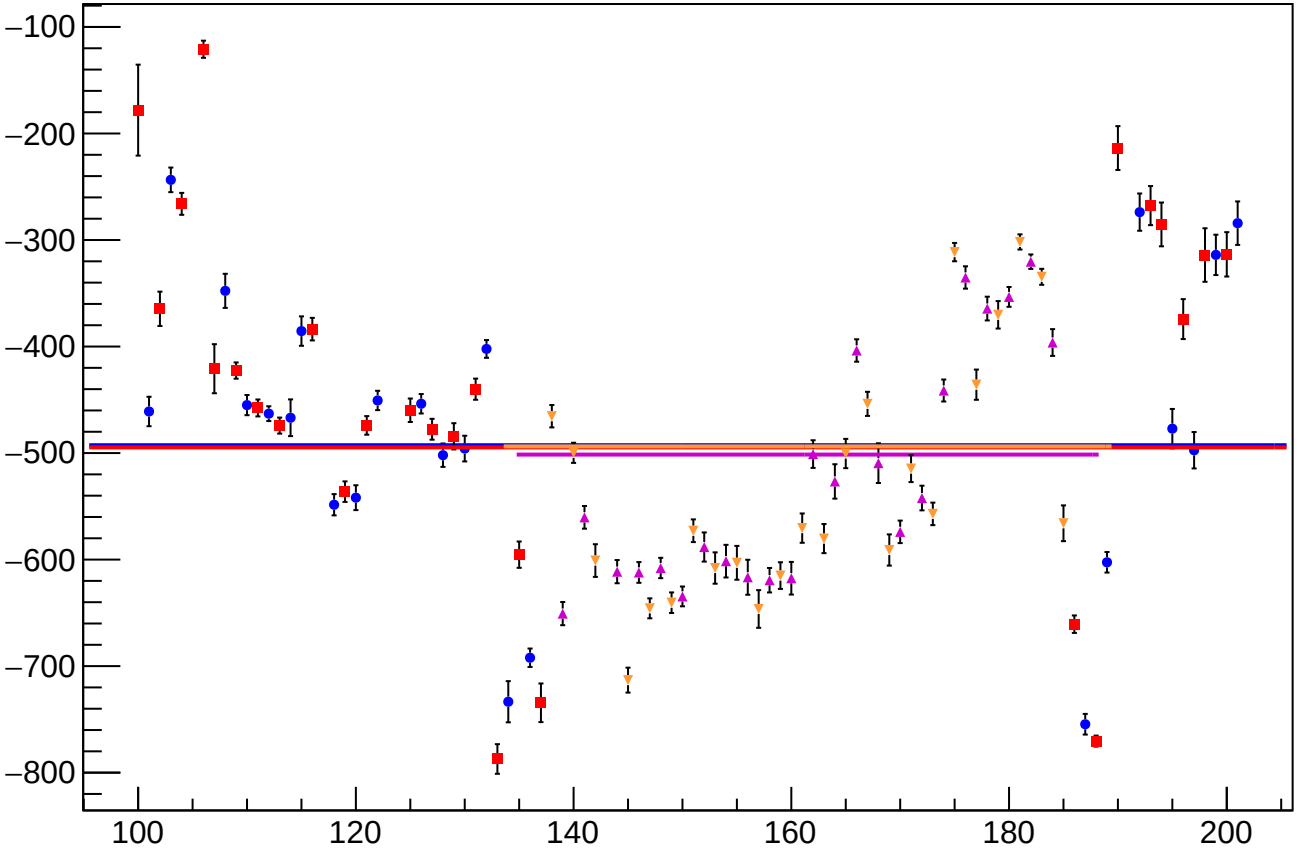
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.333+/-0.014 χ^2/NDF: 380165.0/46

All: -19.271+/-0.010 χ^2/NDF: 703488.4/95

- sign -19.209+/-0.014 χ^2/NDF: 323283.4/48

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

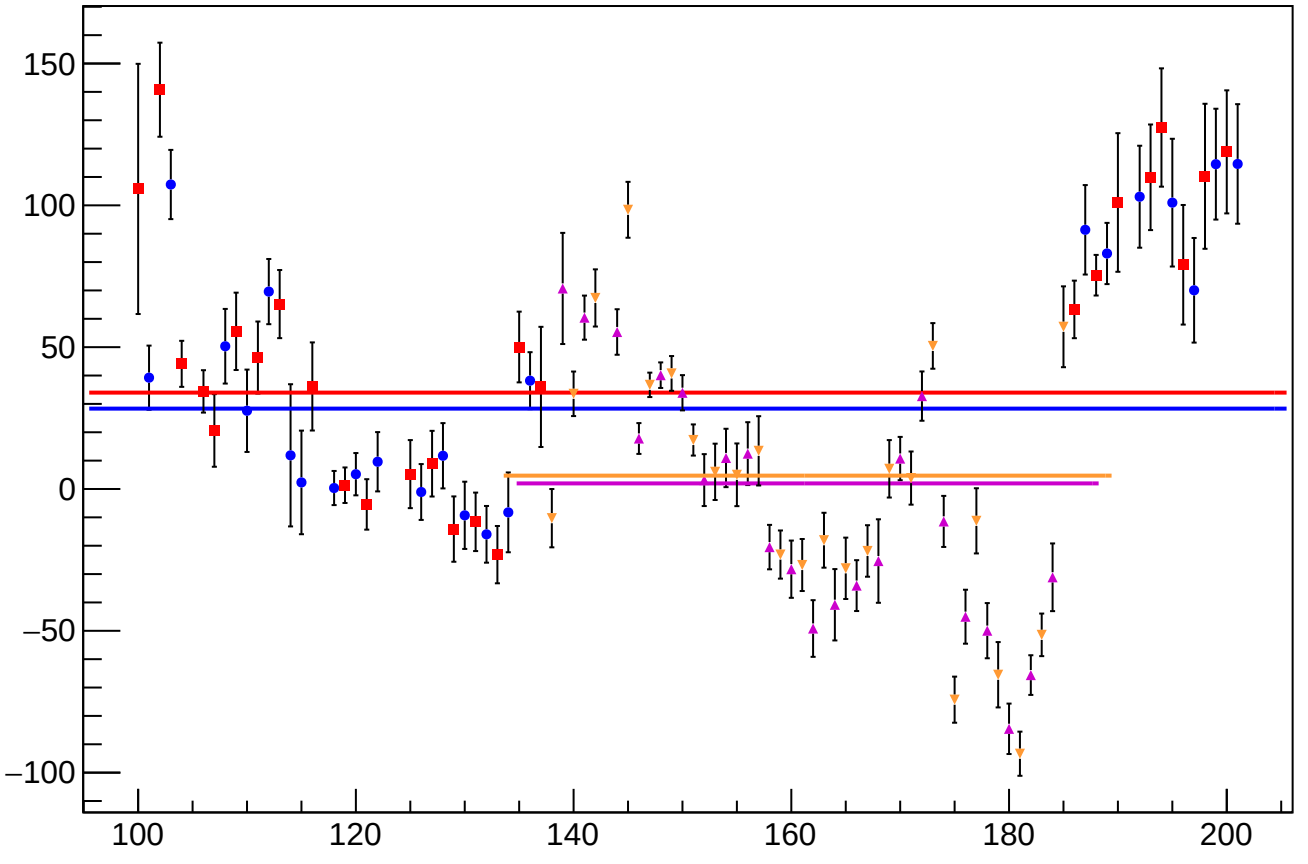
Right Out: -494.689+/-2.078 χ^2/NDF: 7632.4/25

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -493.188+/-1.643 χ^2/NDF: 5903.1/46

All: -495.589+/-1.125 χ^2/NDF: 16233.5/95

- sign -497.708+/-1.544 χ^2/NDF: 10326.4/48



Right In: 28.335+/-2.444 χ^2/NDF: 254.6/22

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

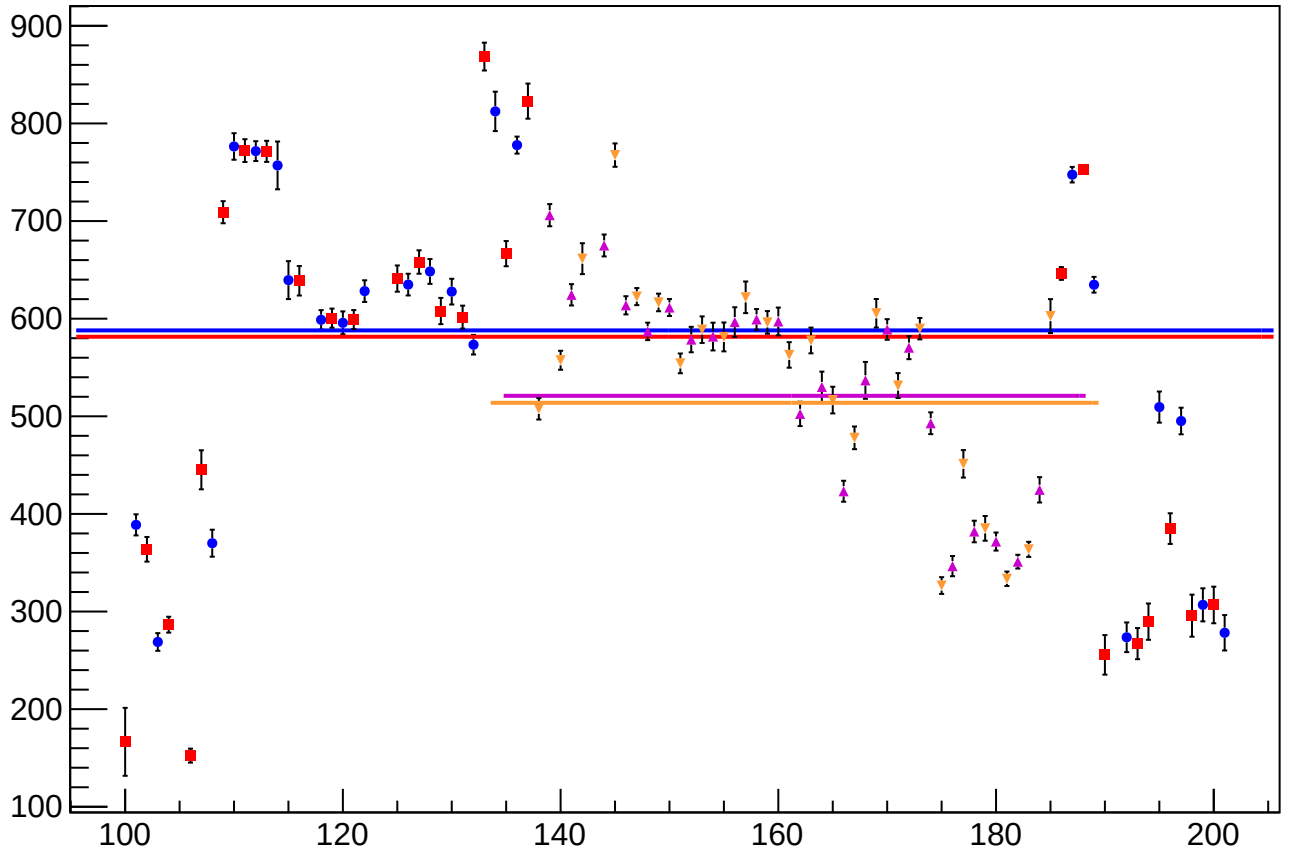
Right Out: 33.979+/-2.259 χ^2/NDF: 299.7/25

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

\+ sign 12.386+/-1.393 χ^2/NDF: 998.0/46

All: 13.072+/-0.977 χ^2/NDF: 1986.0/95

\- sign 13.734+/-1.369 χ^2/NDF: 987.5/48



Right In: 587.999+/-2.441 χ^2/NDF: 4564.9/22

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

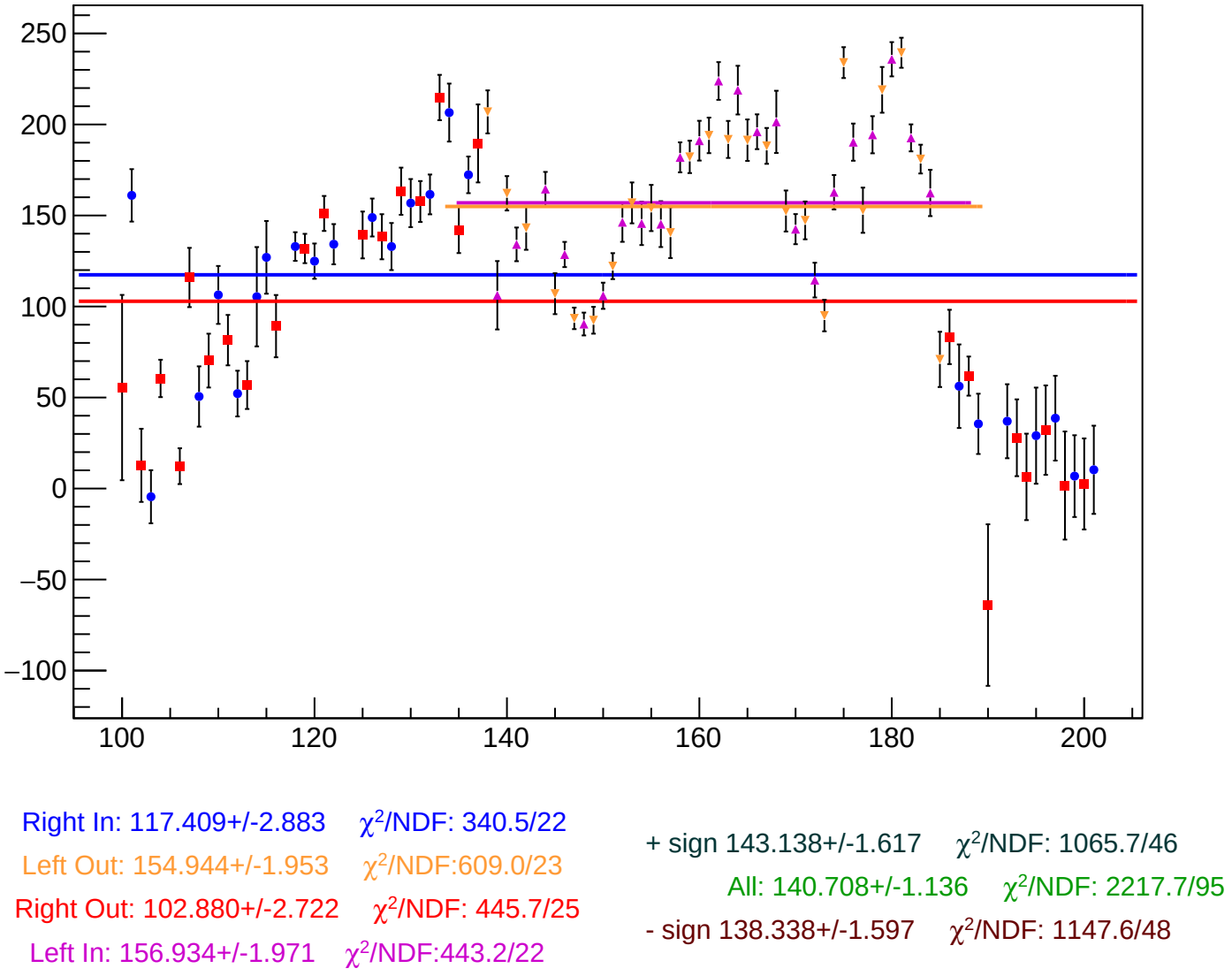
Right Out: 581.497+/-2.074 χ^2/NDF: 10052.1/25

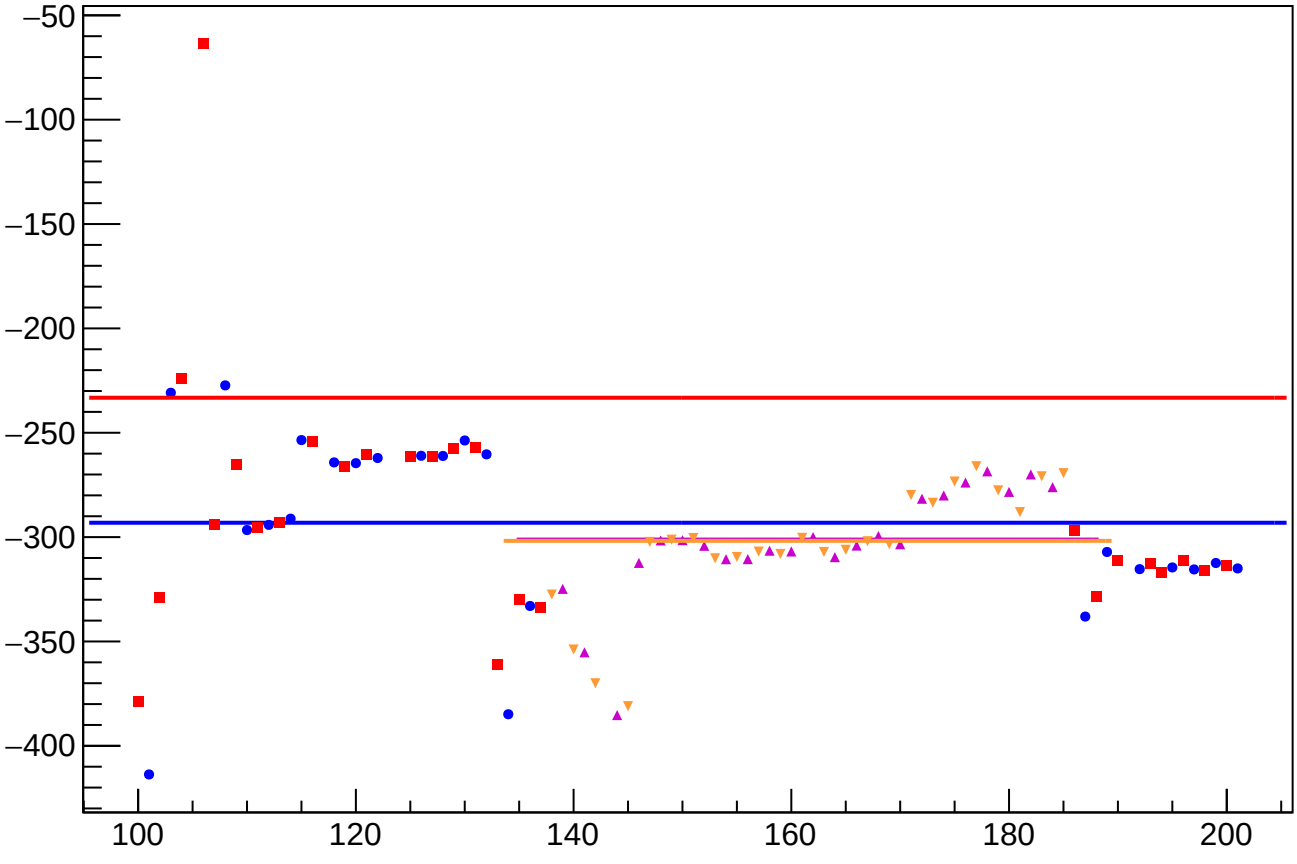
Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

\+ sign 548.333+/-1.665 χ^2/NDF: 7794.0/46

All: 551.471+/-1.129 χ^2/NDF: 20680.2/95

\- sign 554.139+/-1.535 χ^2/NDF: 12879.7/48


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: 102.880+/-2.722 χ²/NDF: 445.7/25
Left In: 156.934+/-1.971 χ²/NDF:443.2/22
+ sign 143.138+/-1.617 χ²/NDF: 1065.7/46
All: 140.708+/-1.136 χ²/NDF: 2217.7/95
- sign 138.338+/-1.597 χ²/NDF: 1147.6/48



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: -233.218+/-0.130 χ^2/NDF: 661178.3/25

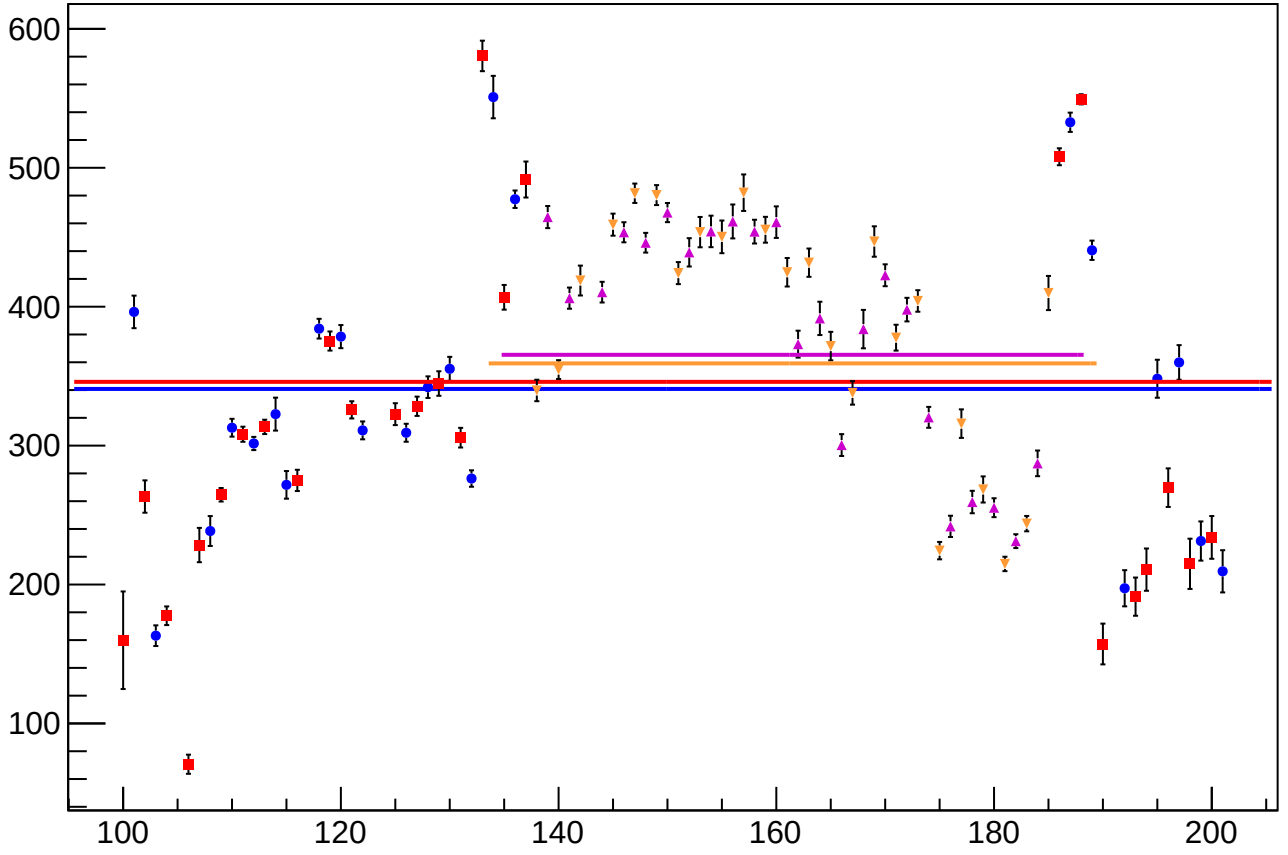
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.477+/-0.078 χ^2/NDF: 201874.3/46

All: -288.843+/-0.054 χ^2/NDF: 1158309.6/95

- sign -279.201+/-0.074 χ^2/NDF: 920783.0/48

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

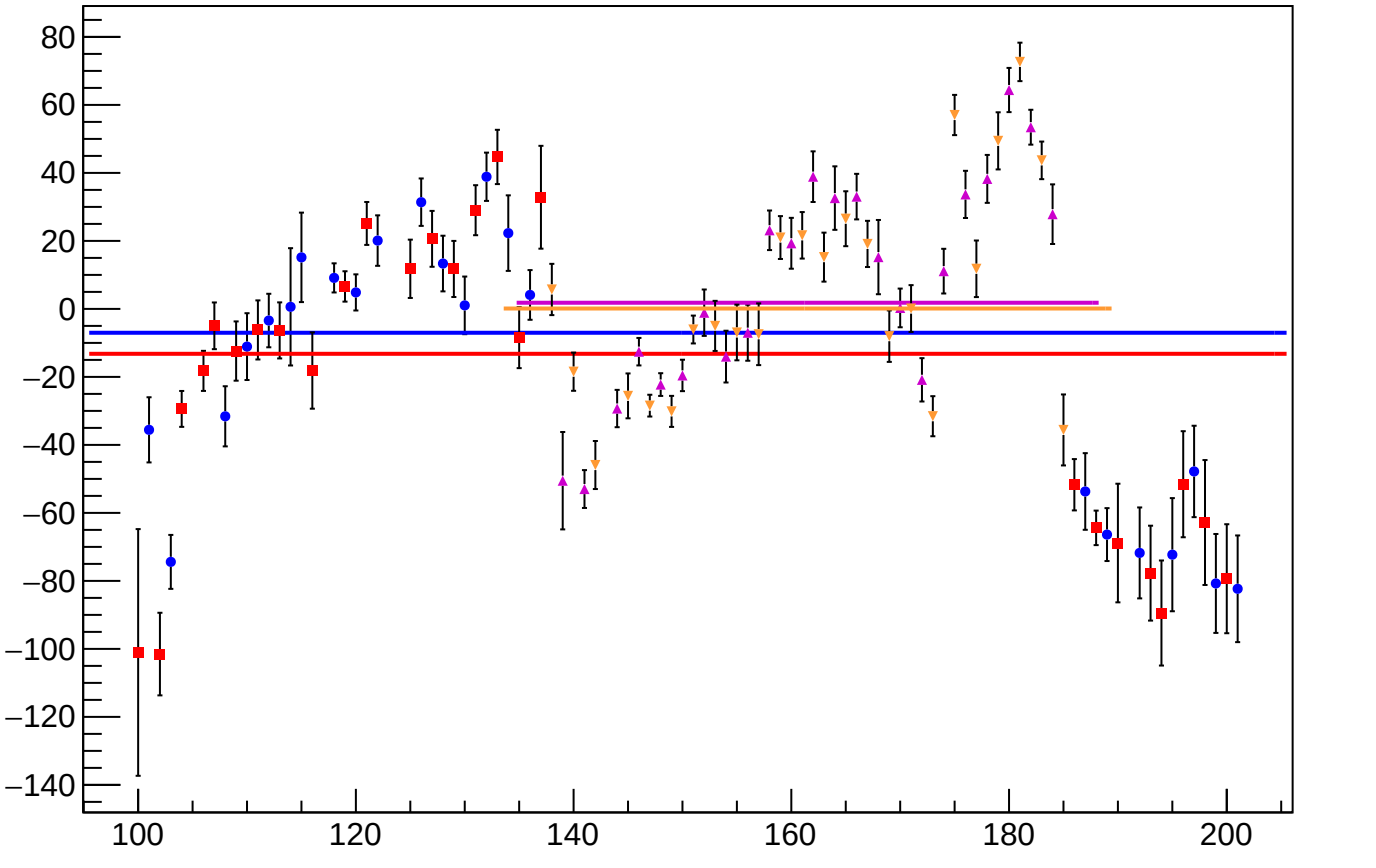
Right Out: 345.909+/-1.473 χ^2/NDF: 7870.9/25

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 349.931+/-1.185 χ^2/NDF: 6184.7/46

All: 352.252+/-0.810 χ^2/NDF: 16877.5/95

- sign 354.292+/-1.111 χ^2/NDF: 10685.6/48



Right In: -7.017+/-1.748 χ^2/NDF: 385.3/22

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

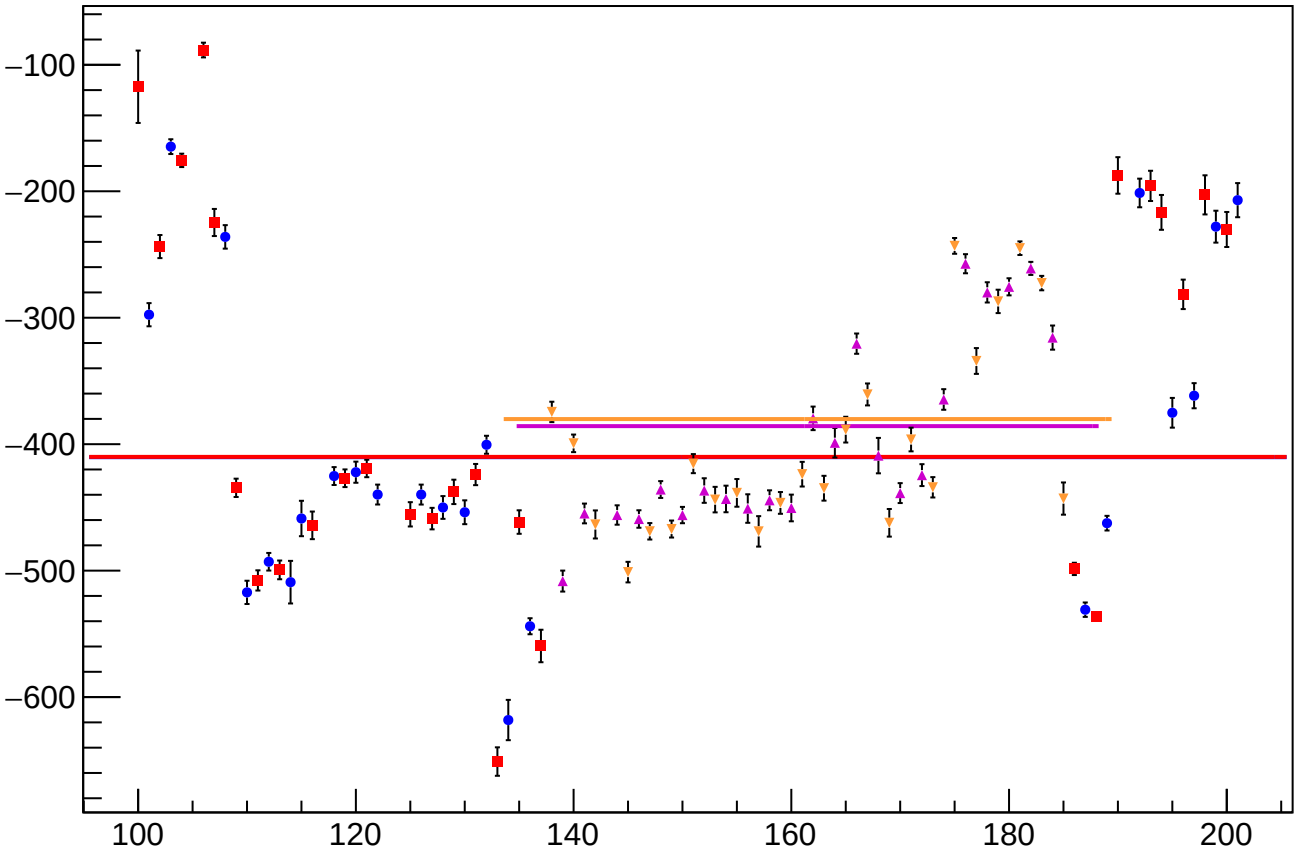
Right Out: -13.206+/-1.598 χ^2/NDF: 472.2/25

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -2.290+/-1.015 χ^2/NDF: 1034.2/46

All: -3.157+/-0.710 χ^2/NDF: 2139.1/95

\- sign -3.985+/-0.993 χ^2/NDF: 1103.5/48



Right In: -410.279+/-1.741 χ^2/NDF: 4620.5/22

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

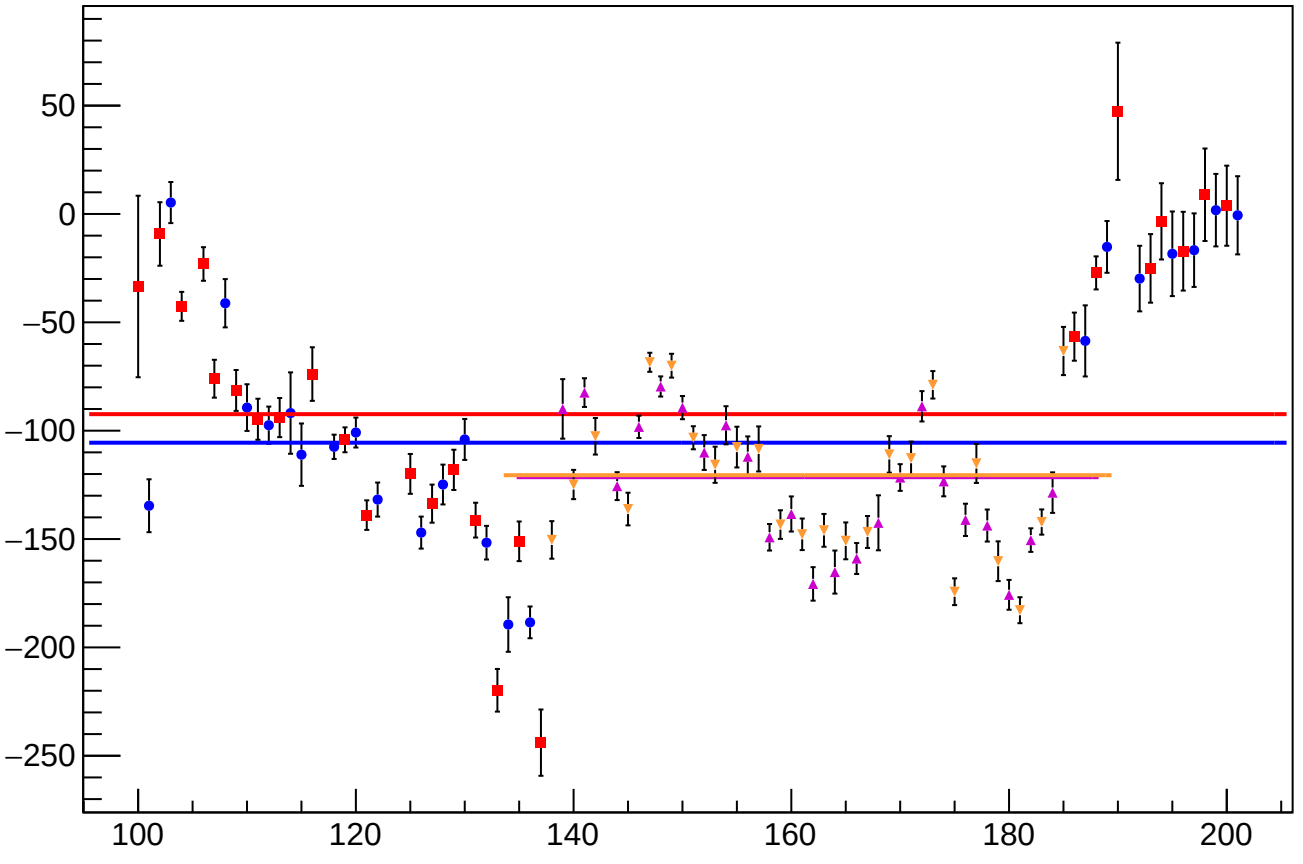
Right Out: -410.043+/-1.478 χ^2/NDF: 10191.4/25

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -394.584+/-1.205 χ^2/NDF: 7395.2/46

All: -397.195+/-0.816 χ^2/NDF: 20074.8/95

- sign -399.407+/-1.109 χ^2/NDF: 12671.0/48



Right In: -105.549+/-2.061 χ^2/NDF: 648.0/22

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

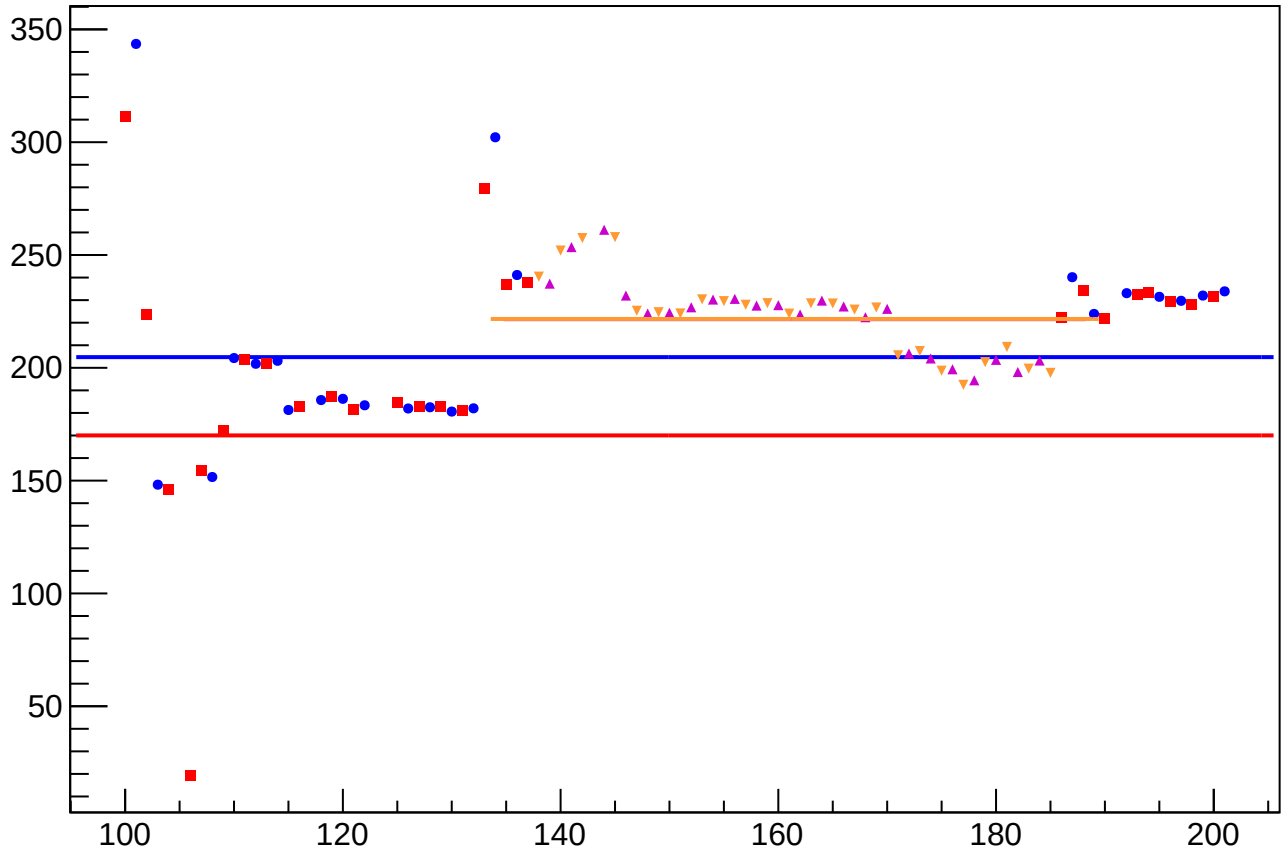
Right Out: -92.372+/-1.923 χ^2/NDF: 823.6/25

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -115.644+/-1.178 χ^2/NDF: 1295.2/46

All: -113.238+/-0.826 χ^2/NDF: 2705.4/95

- sign -110.914+/-1.158 χ^2/NDF: 1402.1/48



Right In: 204.736+/-0.107 χ^2/NDF: 199115.1/22

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

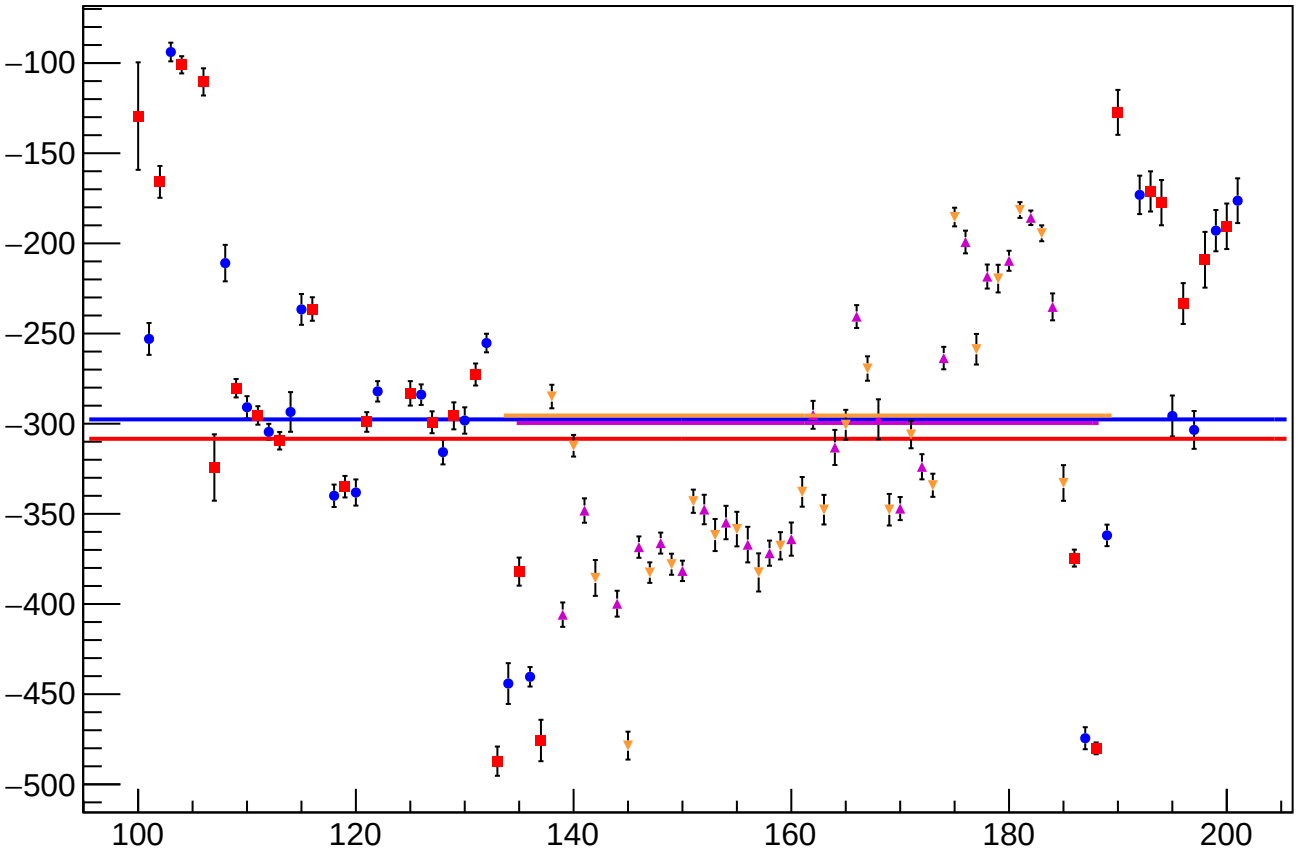
Right Out: 170.040+/-0.096 χ^2/NDF: 625883.3/25

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.934+/-0.057 χ^2/NDF: 284277.5/46

All: 210.743+/-0.039 χ^2/NDF: 1190164.7/95

- sign 204.999+/-0.055 χ^2/NDF: 882837.9/48



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: -308.374+/-1.299 χ^2/NDF: 7473.6/25

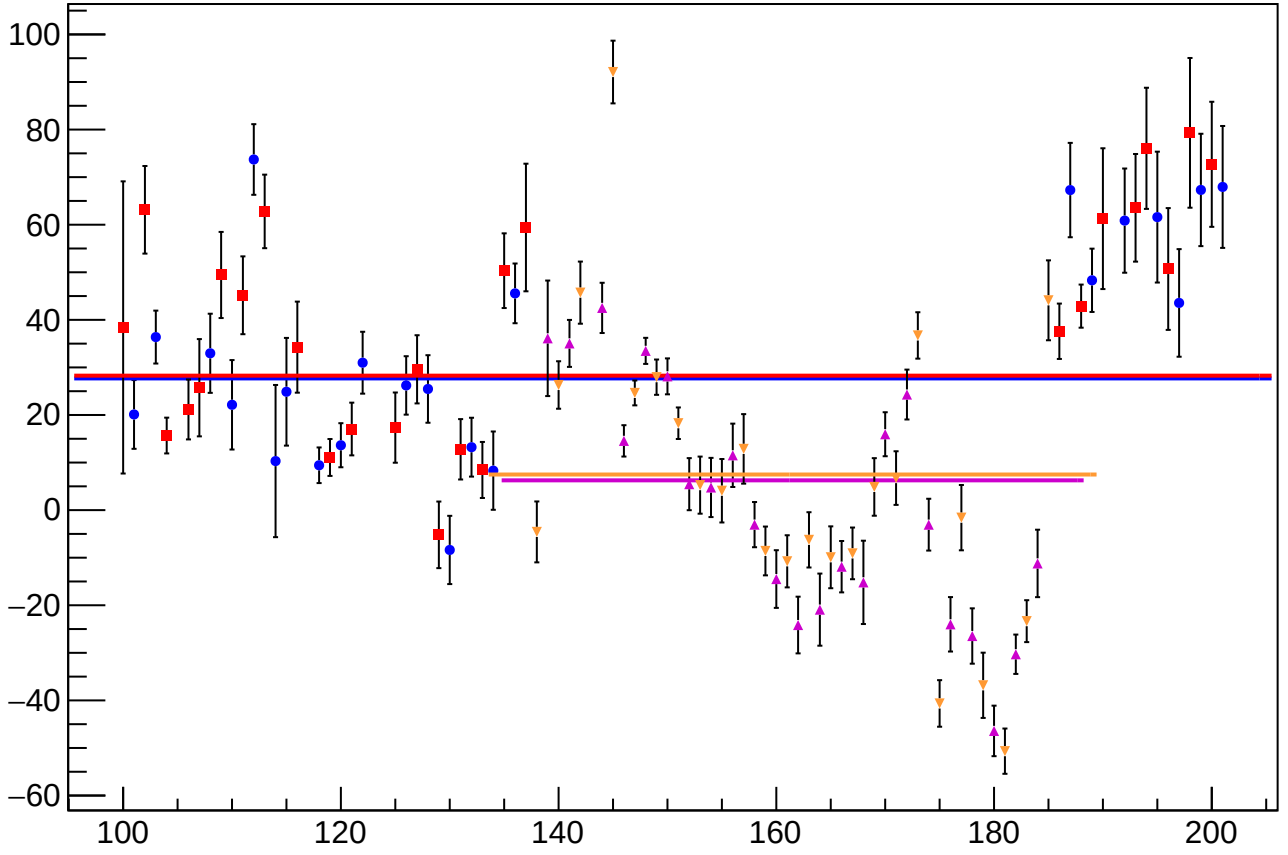
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -296.502+/-1.002 χ^2/NDF: 7354.2/46

All: -300.605+/-0.690 χ^2/NDF: 17852.6/95

- sign -304.300+/-0.951 χ^2/NDF: 10466.6/48

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: 28.268+/-1.389 χ^2/NDF: 203.2/25

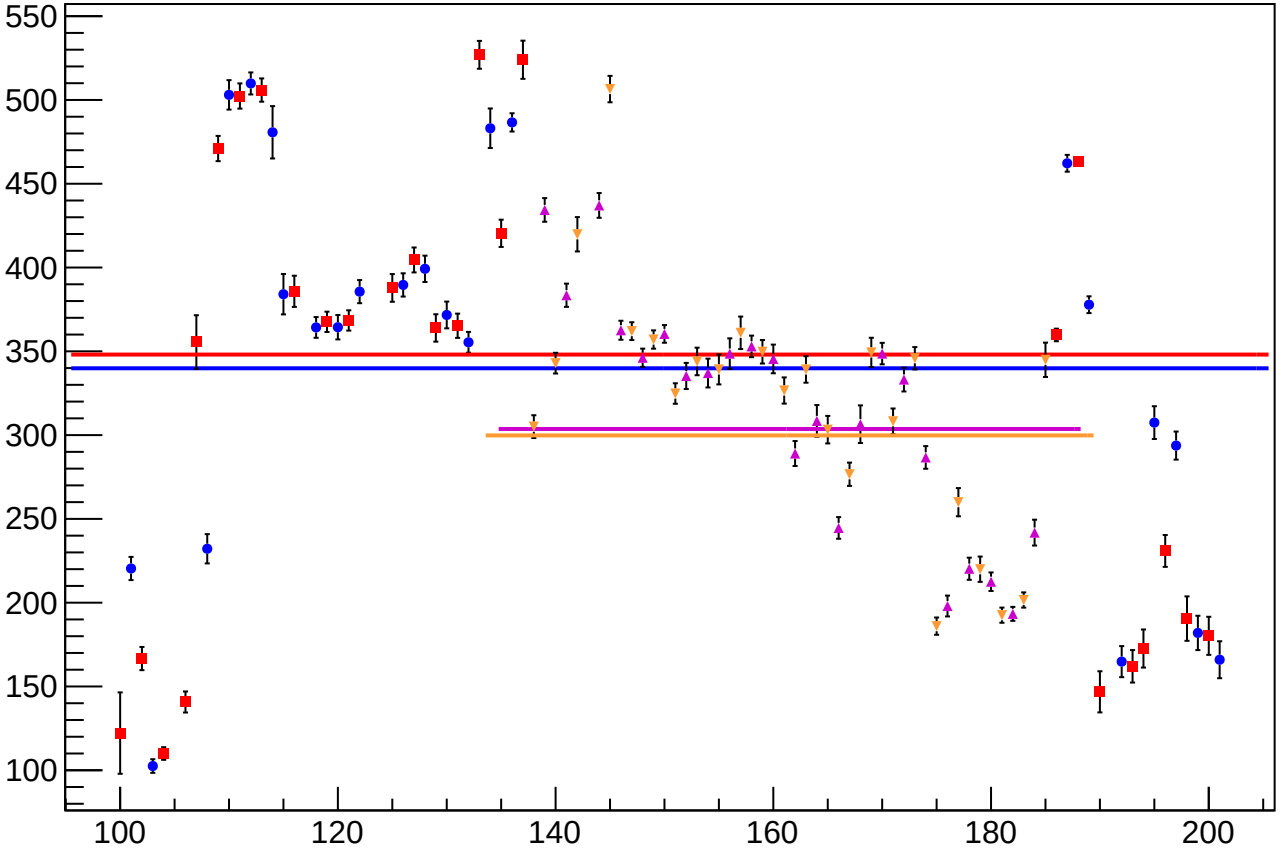
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 13.991+/-0.848 χ^2/NDF: 1048.0/46

All: 14.105+/-0.595 χ^2/NDF: 1971.1/95

- sign 14.216+/-0.835 χ^2/NDF: 923.0/48

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 339.870+/-1.473 χ^2/NDF: 7580.1/22

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

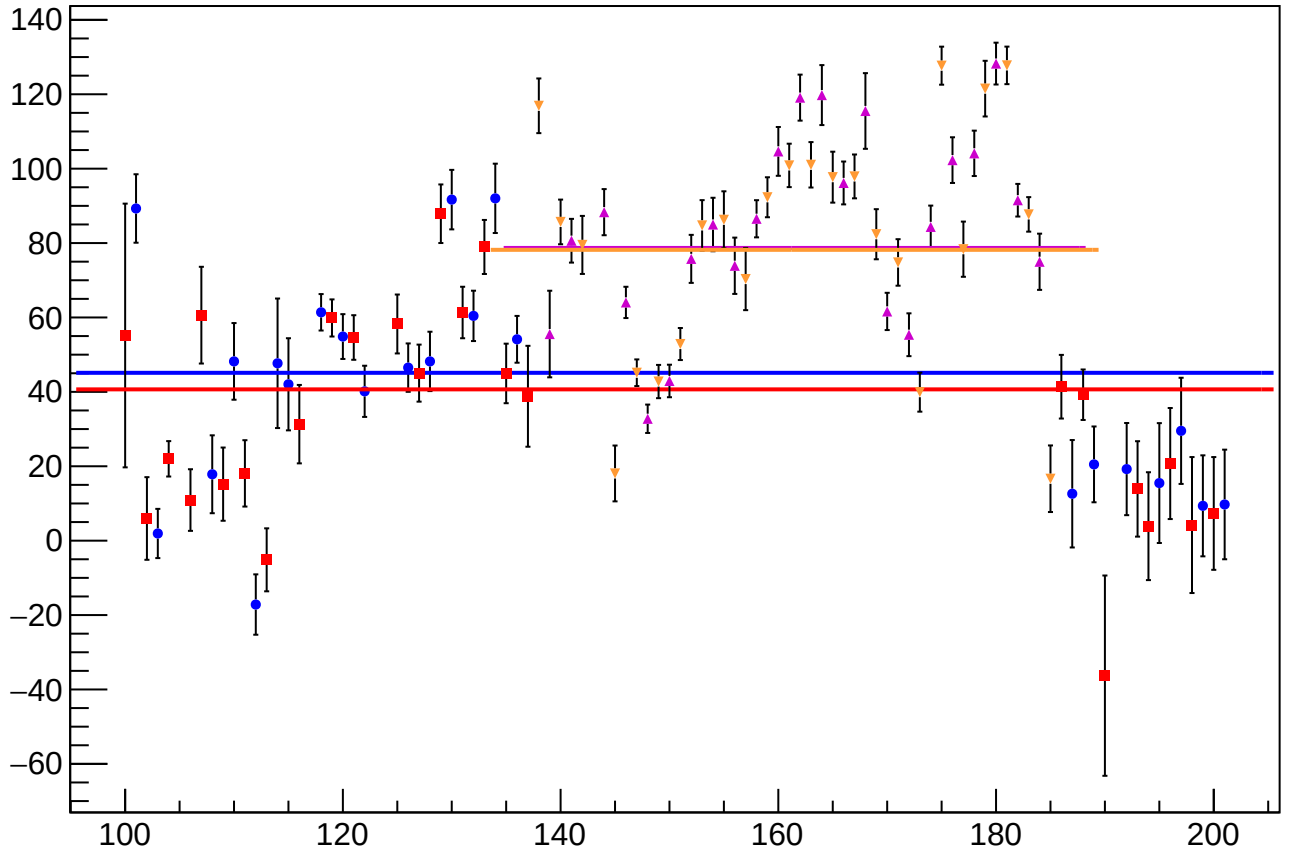
Right Out: 348.060+/-1.277 χ^2/NDF: 11275.7/25

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 318.559+/-1.007 χ^2/NDF: 11049.5/46

All: 323.407+/-0.687 χ^2/NDF: 25797.6/95

- sign 327.611+/-0.938 χ^2/NDF: 14704.9/48



Right In: 45.122+/-1.762 χ^2/NDF: 244.9/22

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

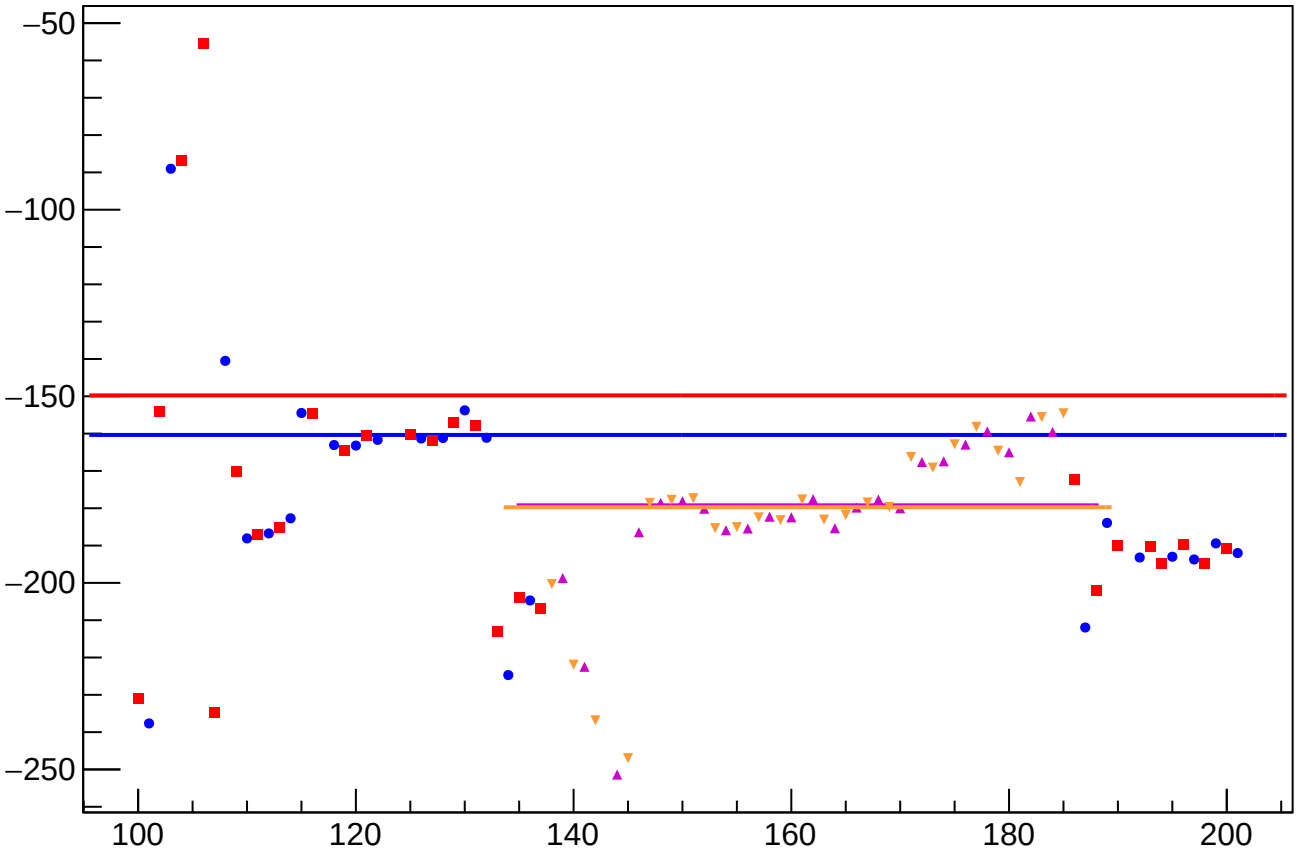
Right Out: 40.671+/-1.674 χ^2/NDF: 211.8/25

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 67.894+/-0.983 χ^2/NDF: 1150.6/46

All: 66.865+/-0.691 χ^2/NDF: 2194.8/95

- sign 65.859+/-0.973 χ^2/NDF: 1042.1/48



Right In: -160.354+/-0.087 χ^2/NDF: 301654.8/22

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

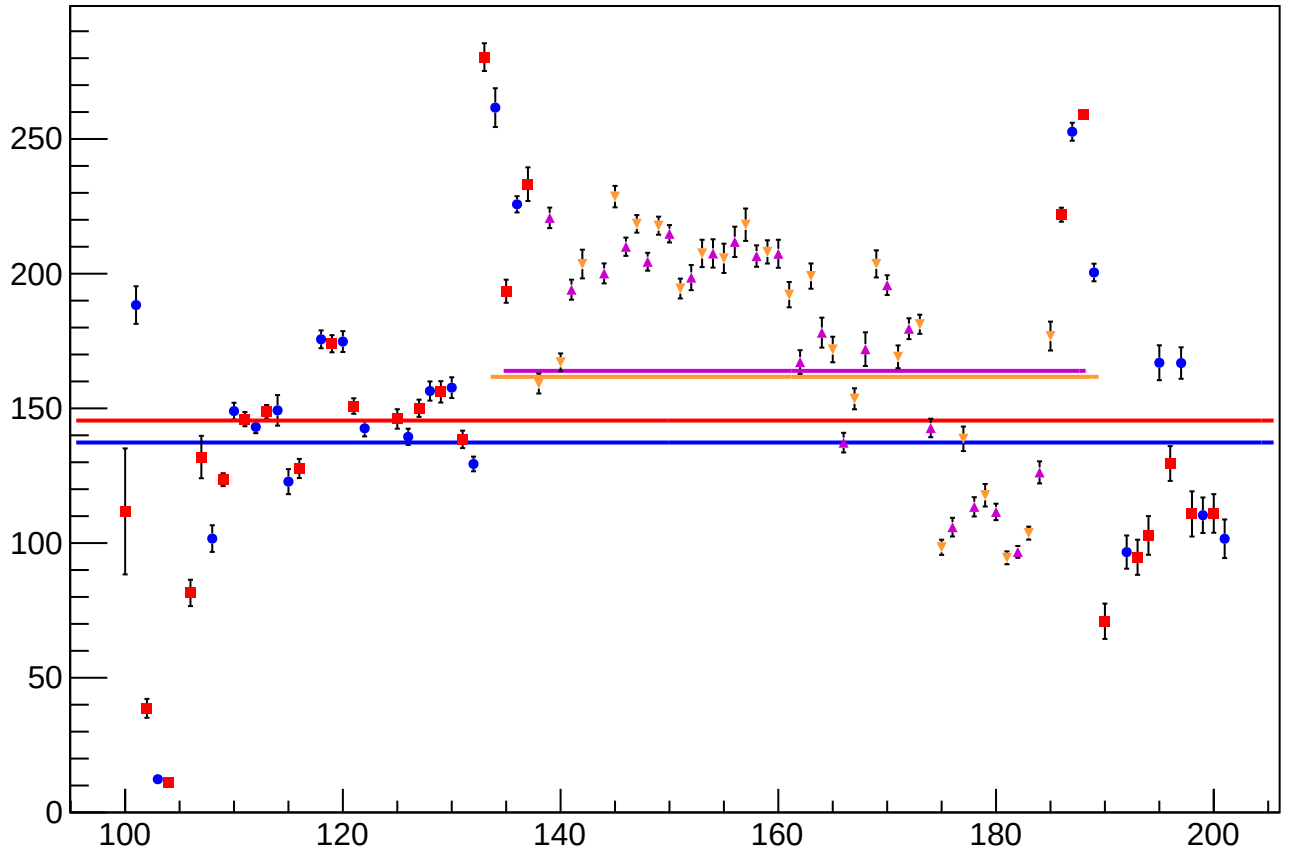
Right Out: -149.758+/-0.083 χ^2/NDF: 407243.8/25

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -174.217+/-0.047 χ^2/NDF: 469234.8/46

All: -172.277+/-0.033 χ^2/NDF: 1080763.3/95

- sign -170.409+/-0.046 χ^2/NDF: 608112.3/48



Right In: 137.329+/-0.740 χ^2/NDF: 8033.3/22

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

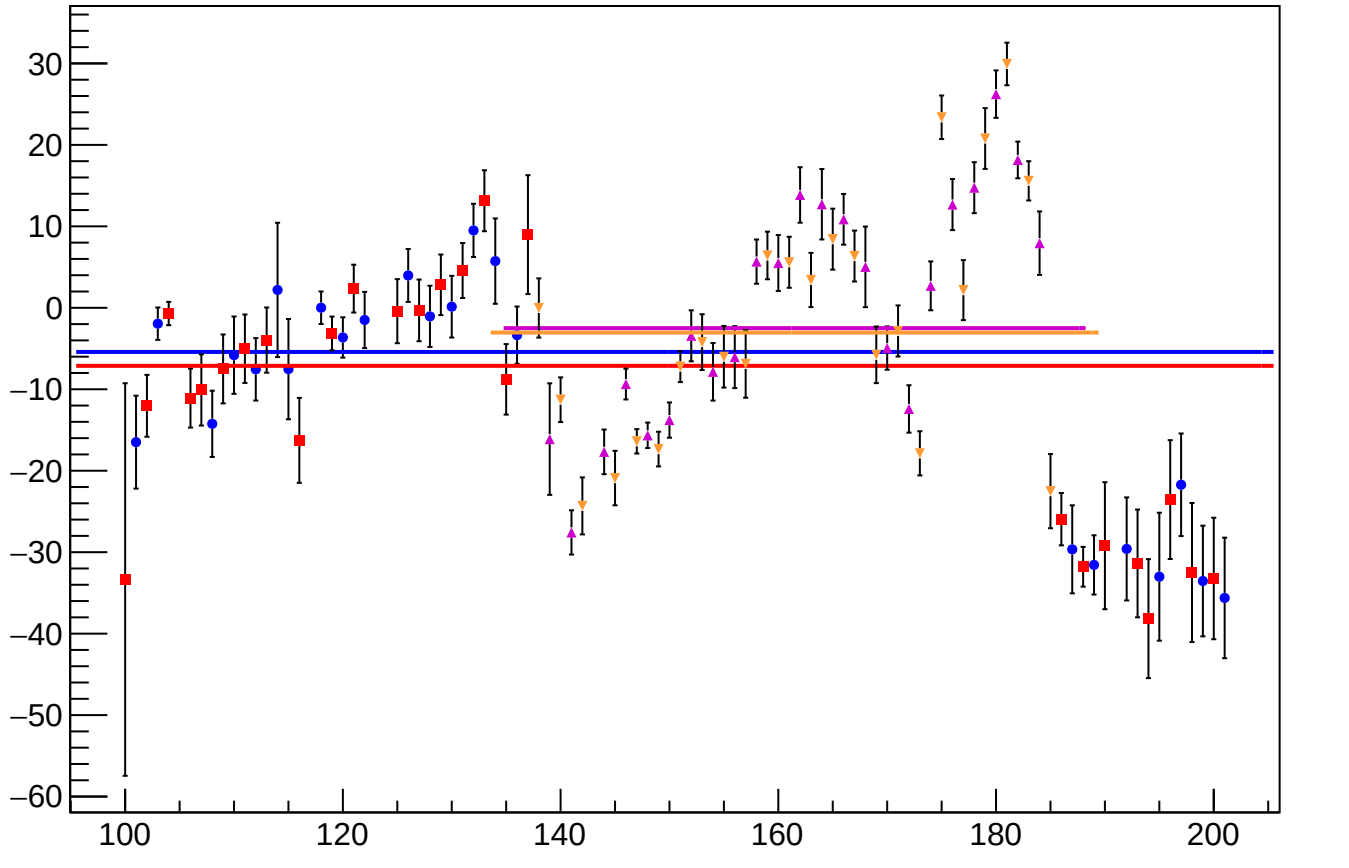
Right Out: 145.485+/-0.665 χ^2/NDF: 13053.1/25

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 148.931+/-0.535 χ^2/NDF: 12137.6/46

All: 151.216+/-0.368 χ^2/NDF: 28884.8/95

- sign 153.253+/-0.506 χ^2/NDF: 16712.8/48



Right In: -5.418+/-0.777 χ^2/NDF: 198.8/22

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

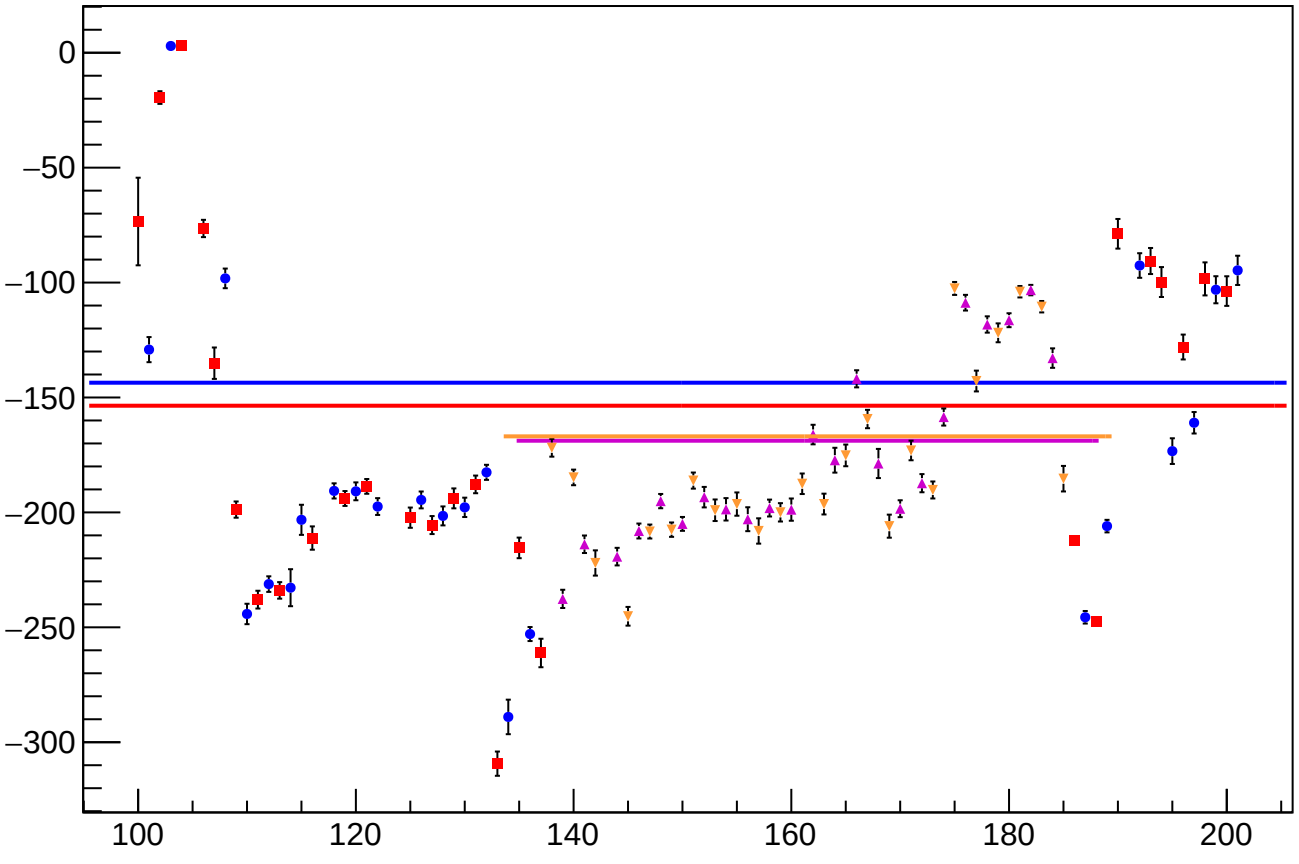
Right Out: -7.123+/-0.697 χ^2/NDF: 304.4/25

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

\+ sign -3.887+/-0.464 χ^2/NDF: 859.4/46

All: -4.159+/-0.323 χ^2/NDF: 1753.2/95

\- sign -4.413+/-0.449 χ^2/NDF: 893.2/48



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: -153.582+/-0.645 χ^2/NDF: 23646.0/25

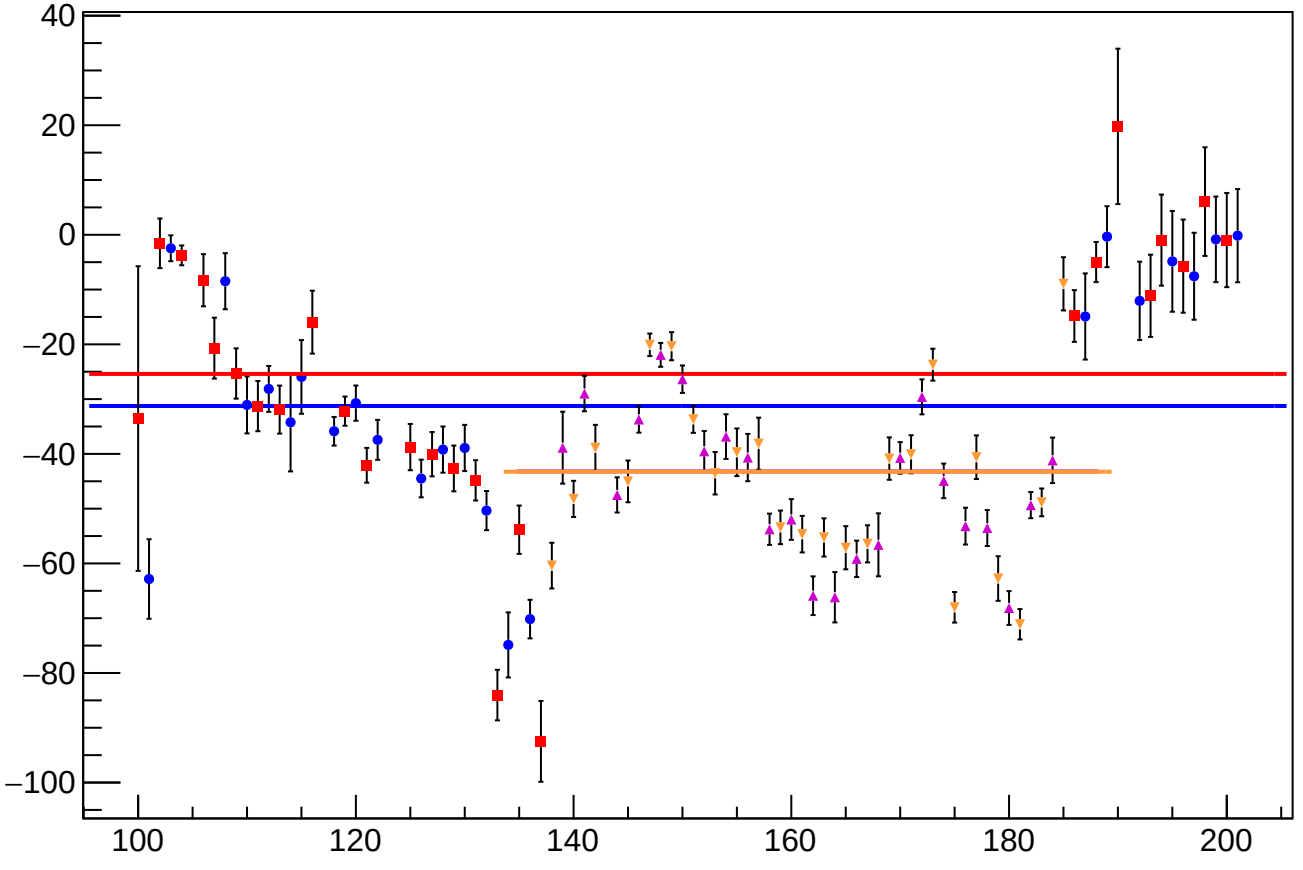
Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -154.752+/-0.534 χ^2/NDF: 20695.7/46

All: -157.485+/-0.363 χ^2/NDF: 47679.1/95

- sign -159.840+/-0.495 χ^2/NDF: 26934.5/48

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -31.254+/-0.915 χ^2/NDF: 509.2/22

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

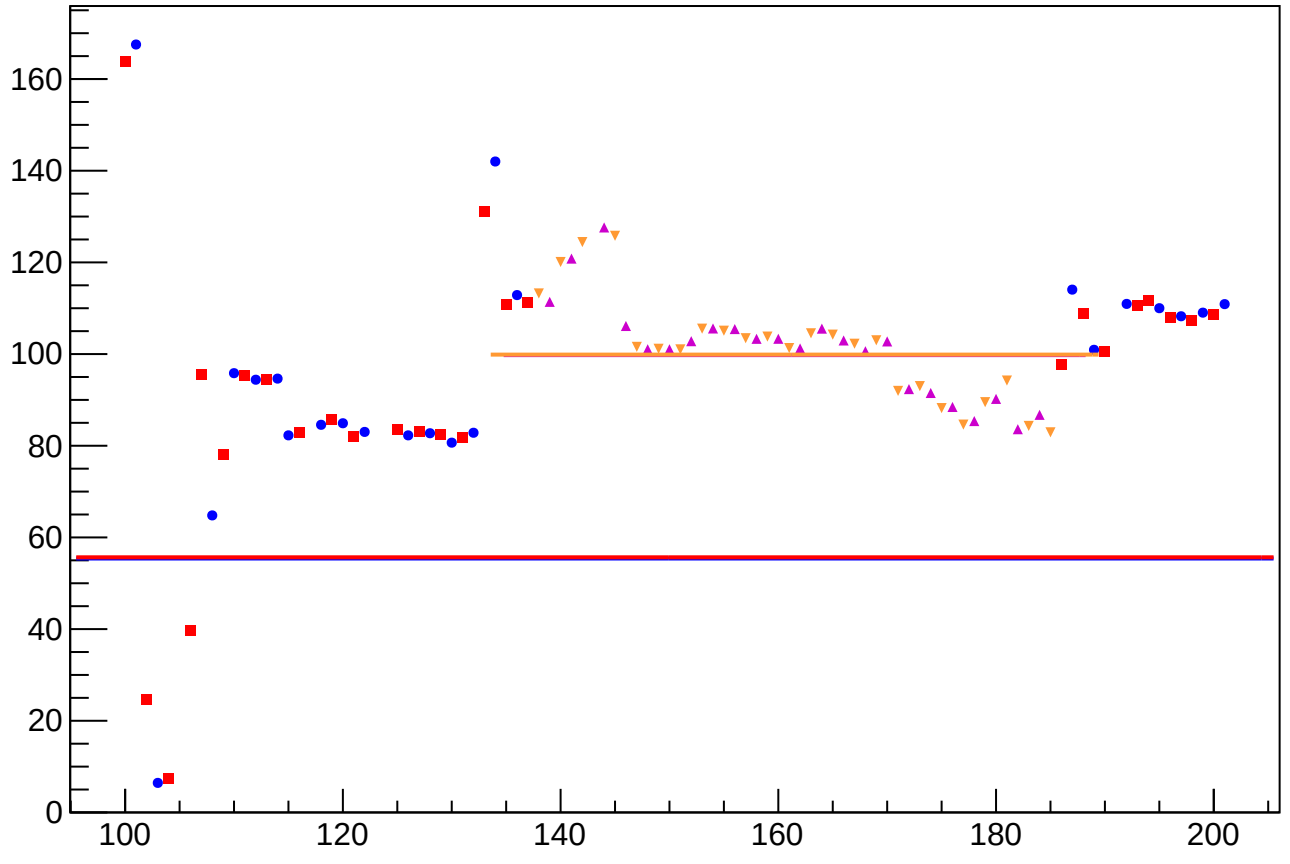
Right Out: -25.400+/-0.842 χ^2/NDF: 661.7/25

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -39.114+/-0.537 χ^2/NDF: 1231.9/46

All: -37.674+/-0.375 χ^2/NDF: 2587.3/95

- sign -36.304+/-0.524 χ^2/NDF: 1341.3/48



Right In: 55.401+/-0.041 χ^2/NDF: 1441694.4/22

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

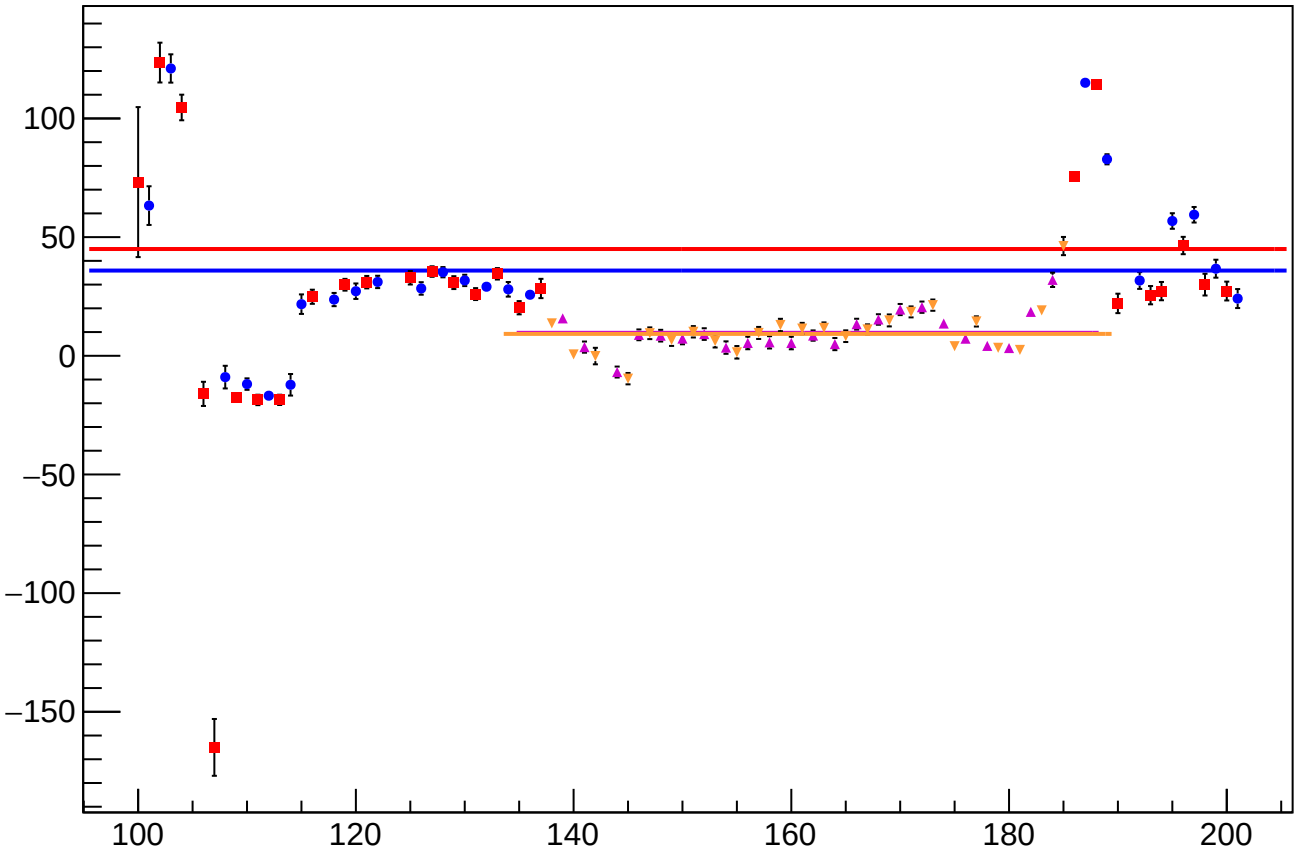
Right Out: 55.662+/-0.040 χ^2/NDF: 1211804.5/25

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 83.797+/-0.025 χ^2/NDF: 2321025.5/46

All: 83.767+/-0.017 χ^2/NDF: 4403869.7/95

- sign 83.738+/-0.024 χ^2/NDF: 2082841.2/48



Right In: 35.915+/-0.578 χ^2/NDF: 3749.2/22

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

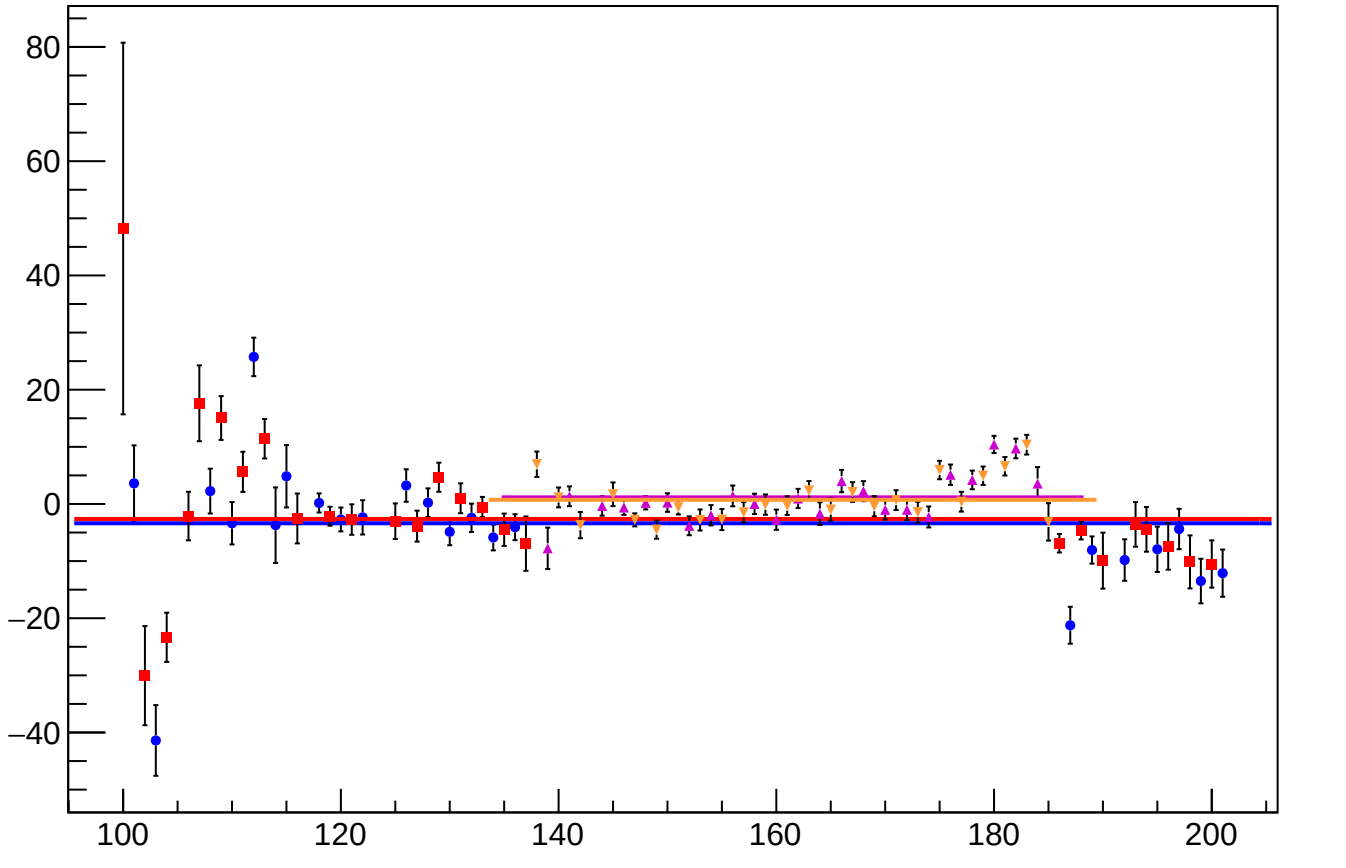
Right Out: 44.994+/-0.510 χ^2/NDF: 7810.0/25

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 19.470+/-0.358 χ^2/NDF: 5388.8/46

All: 22.670+/-0.248 χ^2/NDF: 16228.1/95

- sign 25.596+/-0.343 χ^2/NDF: 10686.7/48



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: -2.625+/-0.571 χ^2/NDF: 119.8/25

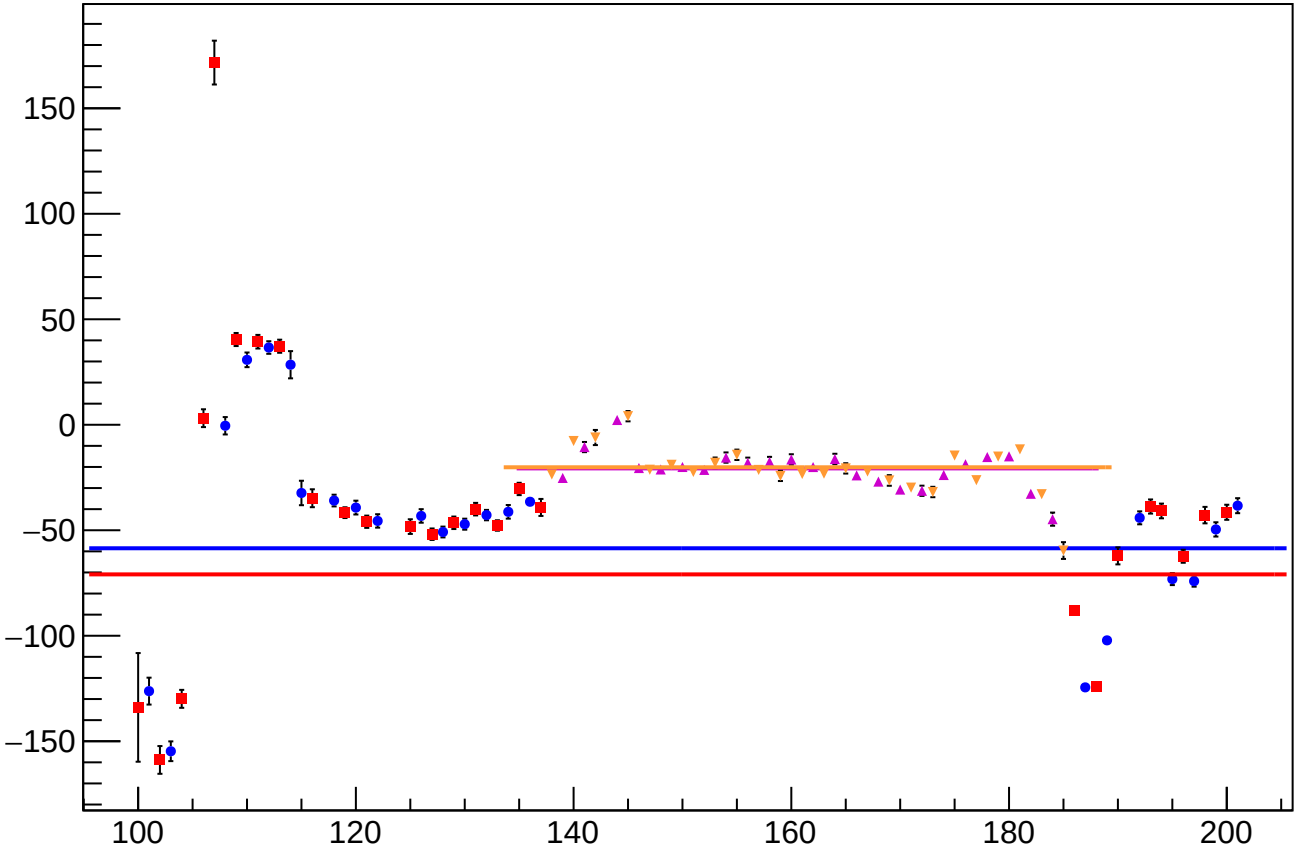
Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

+ sign -0.278+/-0.304 χ^2/NDF: 325.7/46

All: -0.093+/-0.214 χ^2/NDF: 588.2/95

- sign 0.092+/-0.303 χ^2/NDF: 261.7/48

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -58.537+/-0.592 χ^2/NDF: 5343.1/22

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

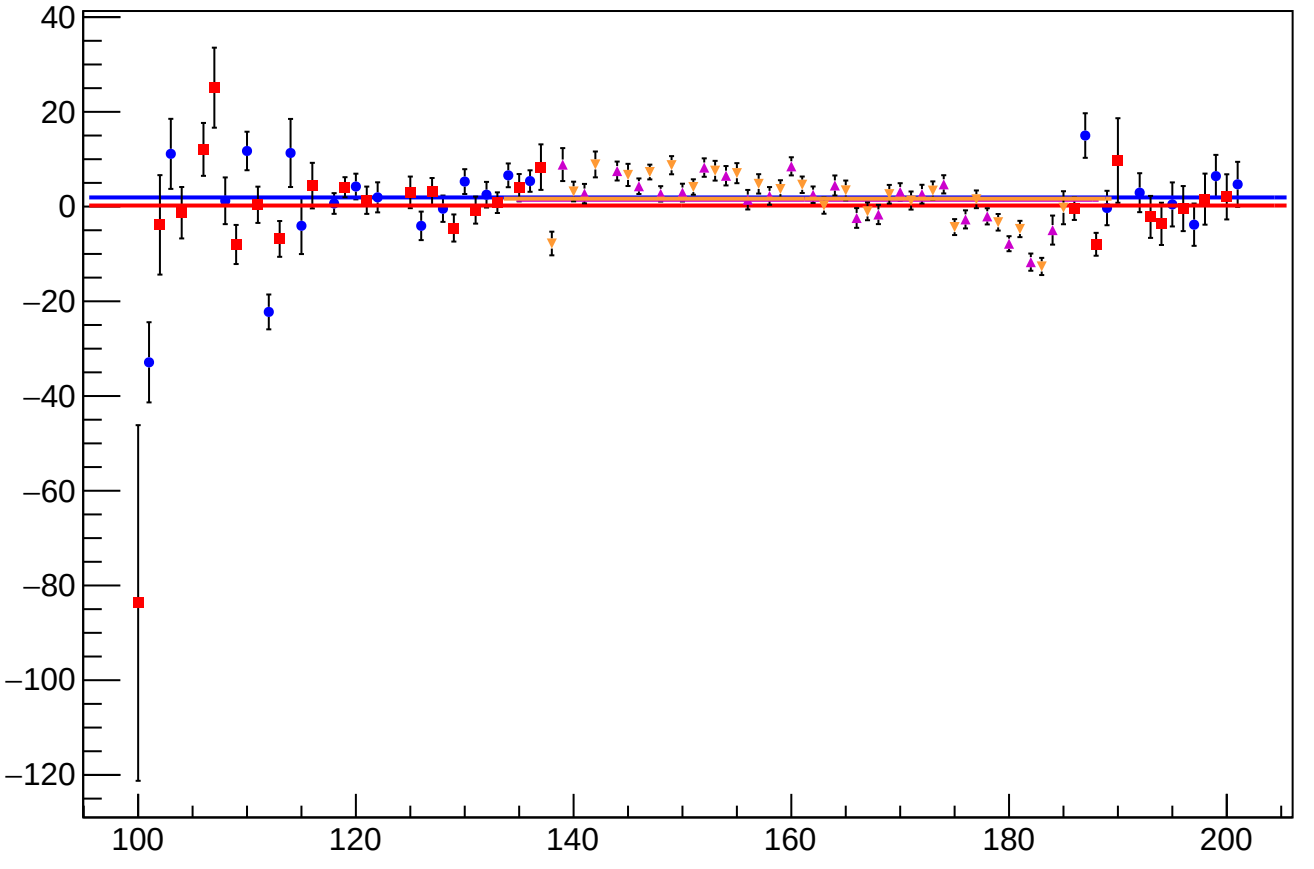
Right Out: -70.916+/-0.495 χ^2/NDF: 9576.7/25

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

+ sign -34.300+/-0.360 χ^2/NDF: 8416.7/46

All: -39.391+/-0.245 χ^2/NDF: 24233.9/95

- sign -43.838+/-0.336 χ^2/NDF: 15441.4/48



Right In: 1.929+/-0.717 χ^2/NDF: 94.7/22

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

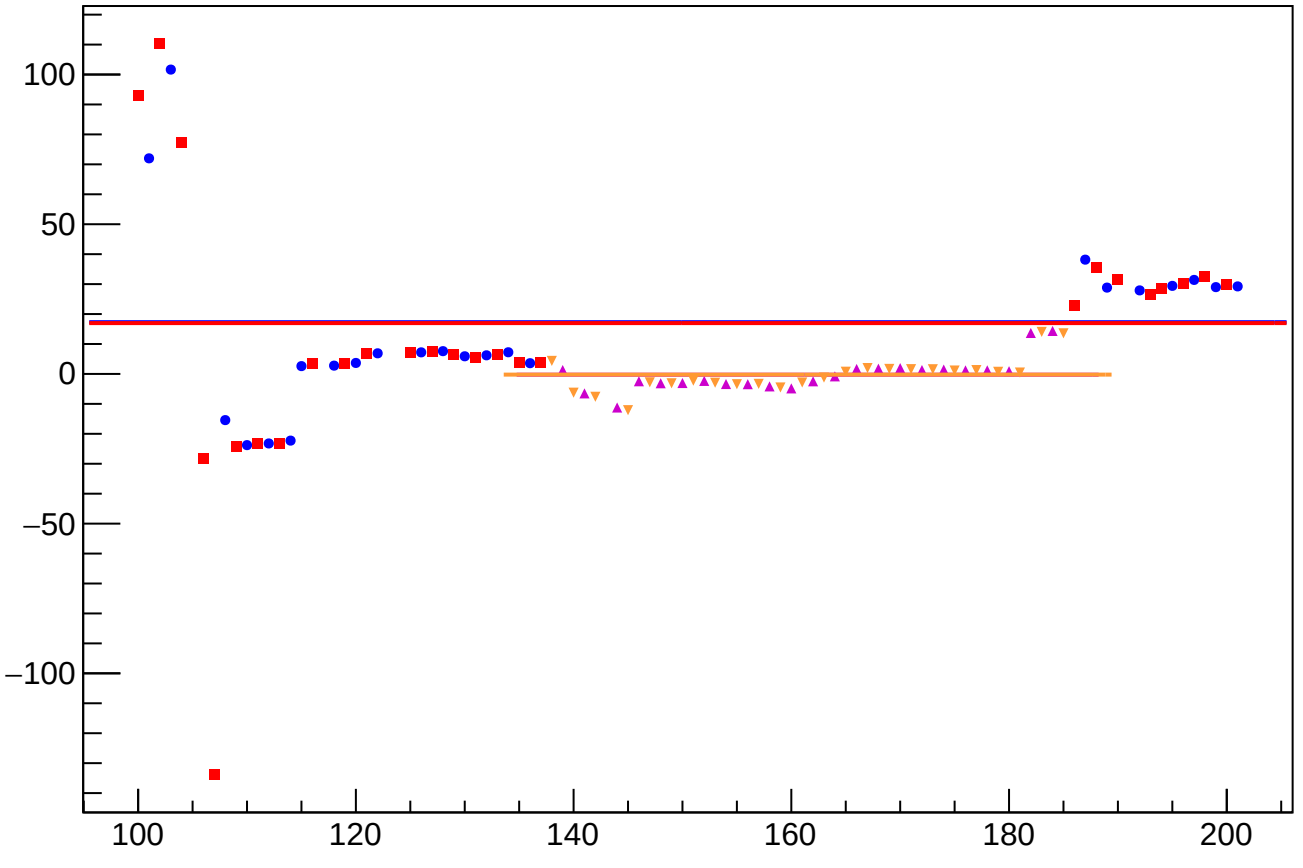
Right Out: 0.220+/-0.693 χ^2/NDF: 53.2/25

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.731+/-0.346 χ^2/NDF: 272.8/46

All: 1.429+/-0.245 χ^2/NDF: 492.6/95

- sign 1.123+/-0.348 χ^2/NDF: 218.3/48



Right In: 17.282+/-0.037 χ^2/NDF: 398660.8/22

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 16.977+/-0.037 χ^2/NDF: 567708.7/25

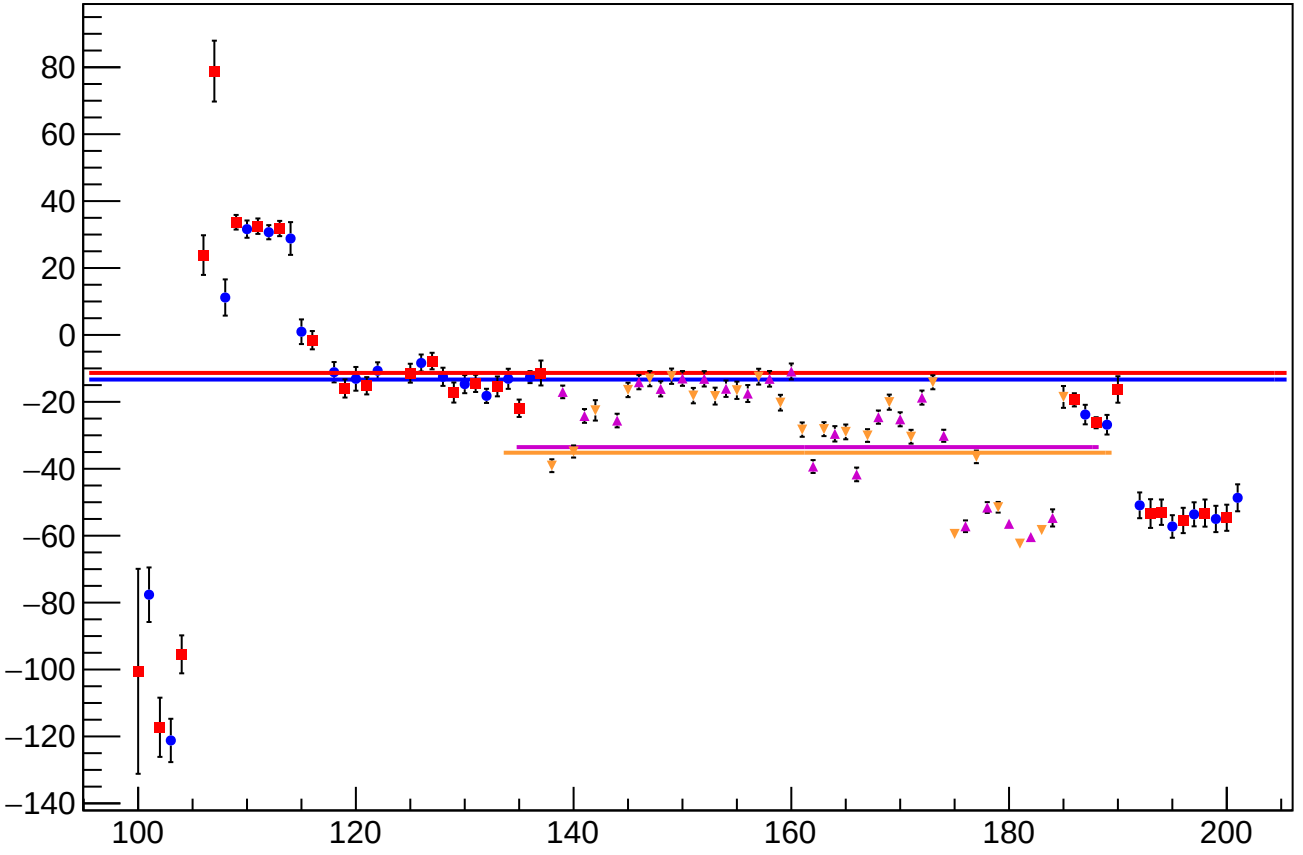
Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 3.061+/-0.016 χ^2/NDF: 664843.3/46

All: 3.015+/-0.011 χ^2/NDF: 1482837.4/95

- sign 2.968+/-0.016 χ^2/NDF: 817977.1/48

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -13.334+/-0.624 χ^2/NDF: 1808.8/22

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

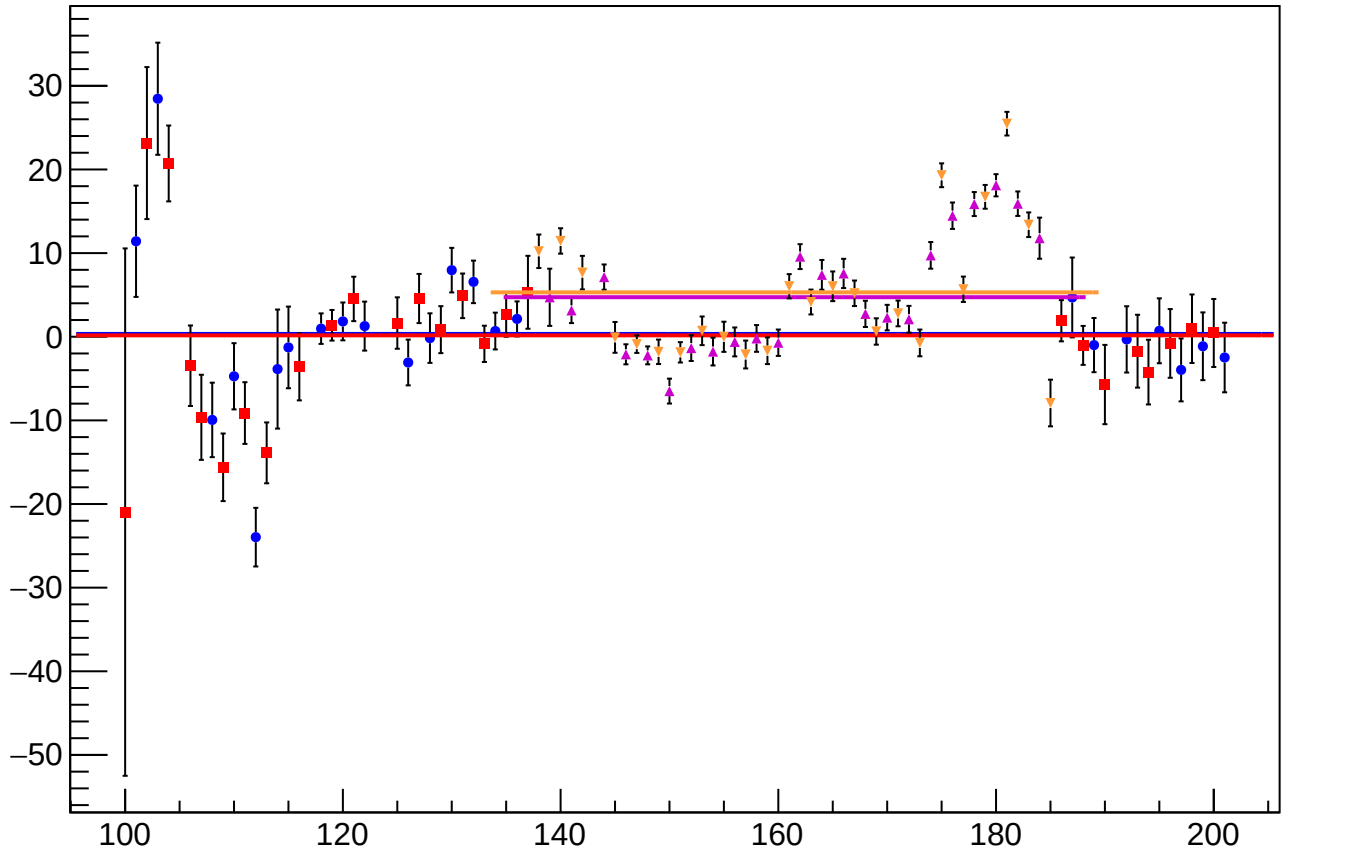
Right Out: -11.355+/-0.579 χ^2/NDF: 2371.8/25

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -28.650+/-0.342 χ^2/NDF: 4519.4/46

All: -27.320+/-0.240 χ^2/NDF: 9698.7/95

- sign -26.030+/-0.337 χ^2/NDF: 5149.5/48



Right In: 0.334+/-0.652 χ^2/NDF: 95.9/22

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

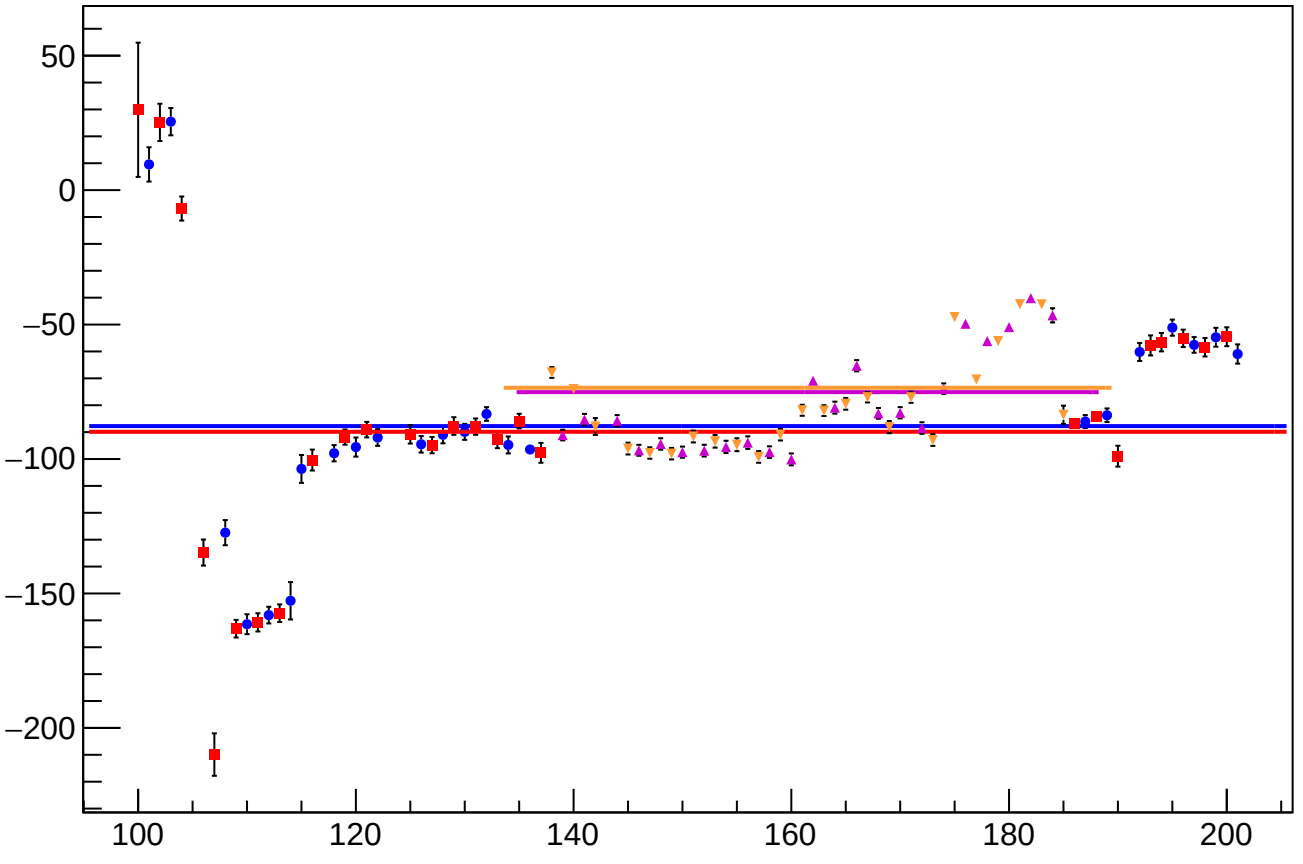
Right Out: 0.165+/-0.639 χ^2/NDF: 84.2/25

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.367+/-0.284 χ^2/NDF: 767.5/46

All: 4.090+/-0.202 χ^2/NDF: 1390.2/95

- sign 3.807+/-0.287 χ^2/NDF: 620.9/48



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: -89.869+/-0.590 χ^2/NDF: 2836.6/25

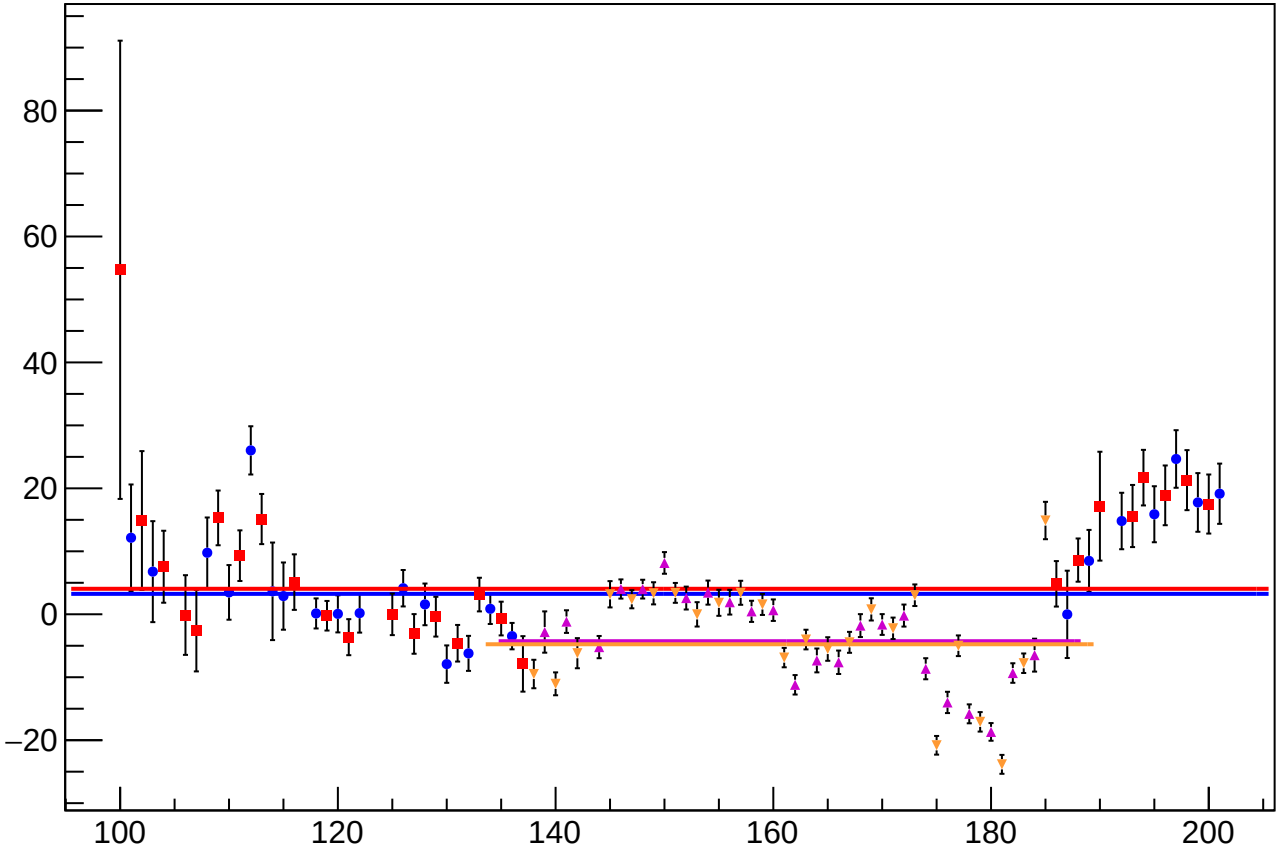
Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -77.439+/-0.345 χ^2/NDF: 5068.5/46

All: -78.715+/-0.241 χ^2/NDF: 10714.4/95

- sign -79.932+/-0.337 χ^2/NDF: 5619.2/48

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 3.242+/-0.749 χ^2/NDF: 137.9/22

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

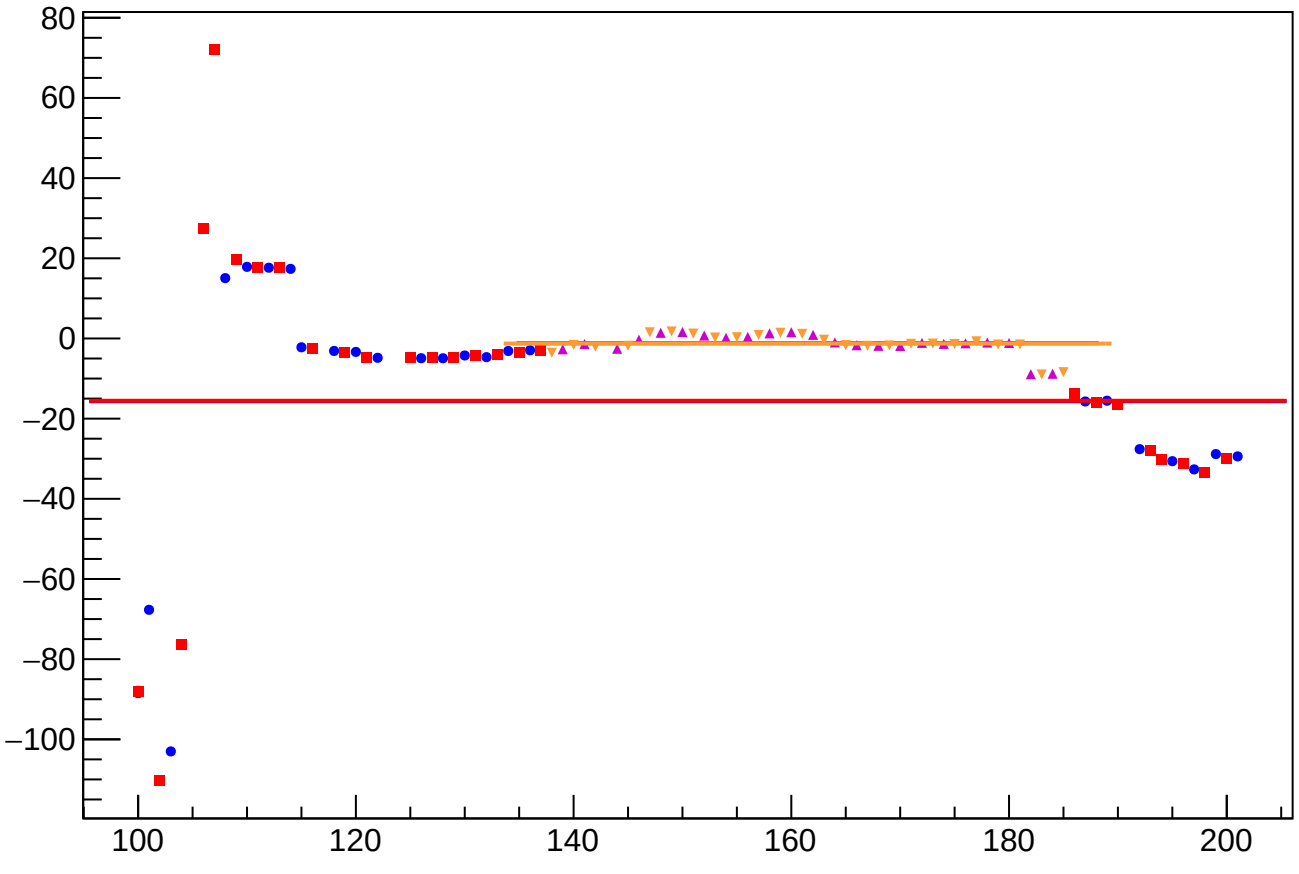
Right Out: 4.047+/-0.753 χ^2/NDF: 116.3/25

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.295+/-0.321 χ^2/NDF: 808.1/46

All: -3.013+/-0.228 χ^2/NDF: 1449.6/95

- sign -2.722+/-0.325 χ^2/NDF: 639.9/48



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: -15.542+/-0.038 χ^2/NDF: 438913.8/25

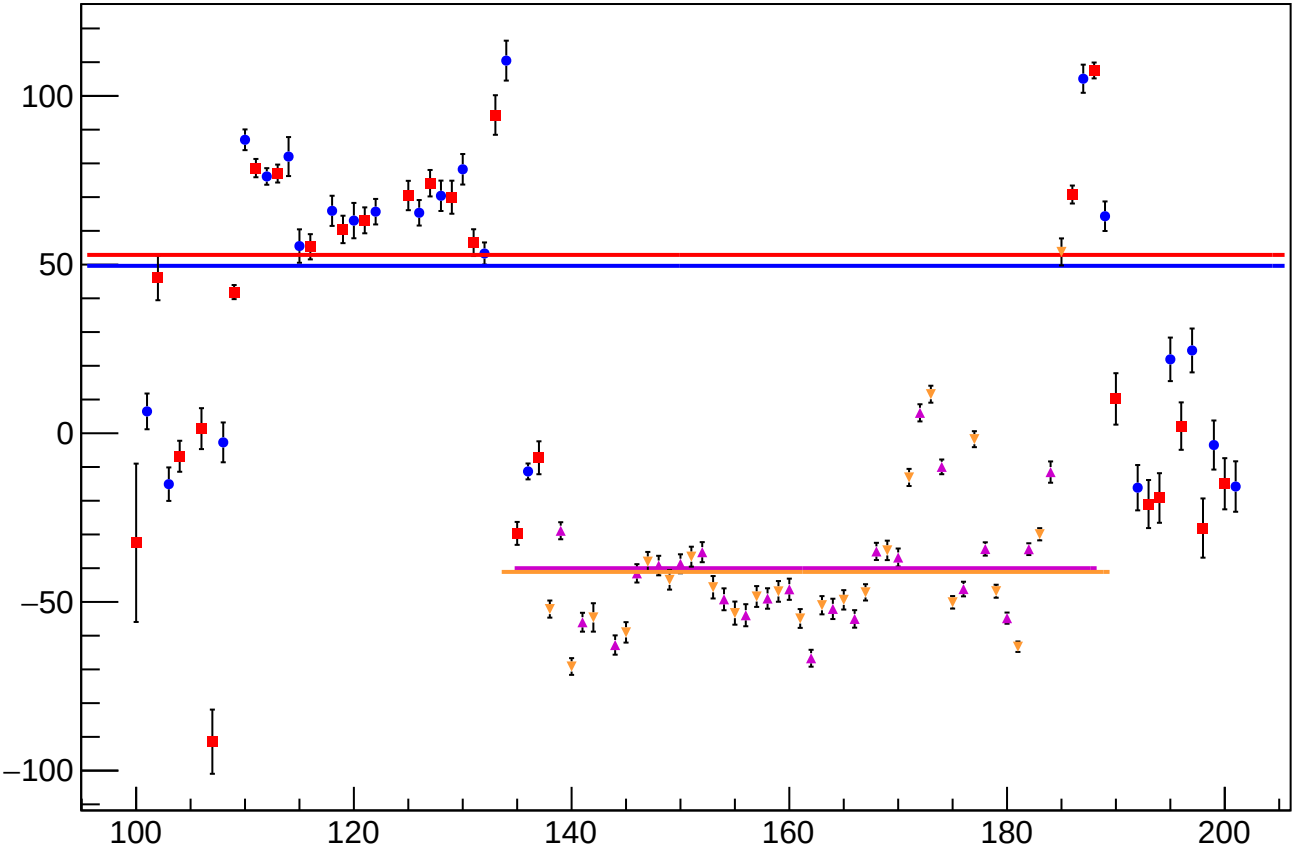
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

\+ sign -3.471+/-0.015 χ^2/NDF: 501595.5/46

All: -3.385+/-0.010 χ^2/NDF: 1084793.7/95

\- sign -3.297+/-0.015 χ^2/NDF: 583128.5/48

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

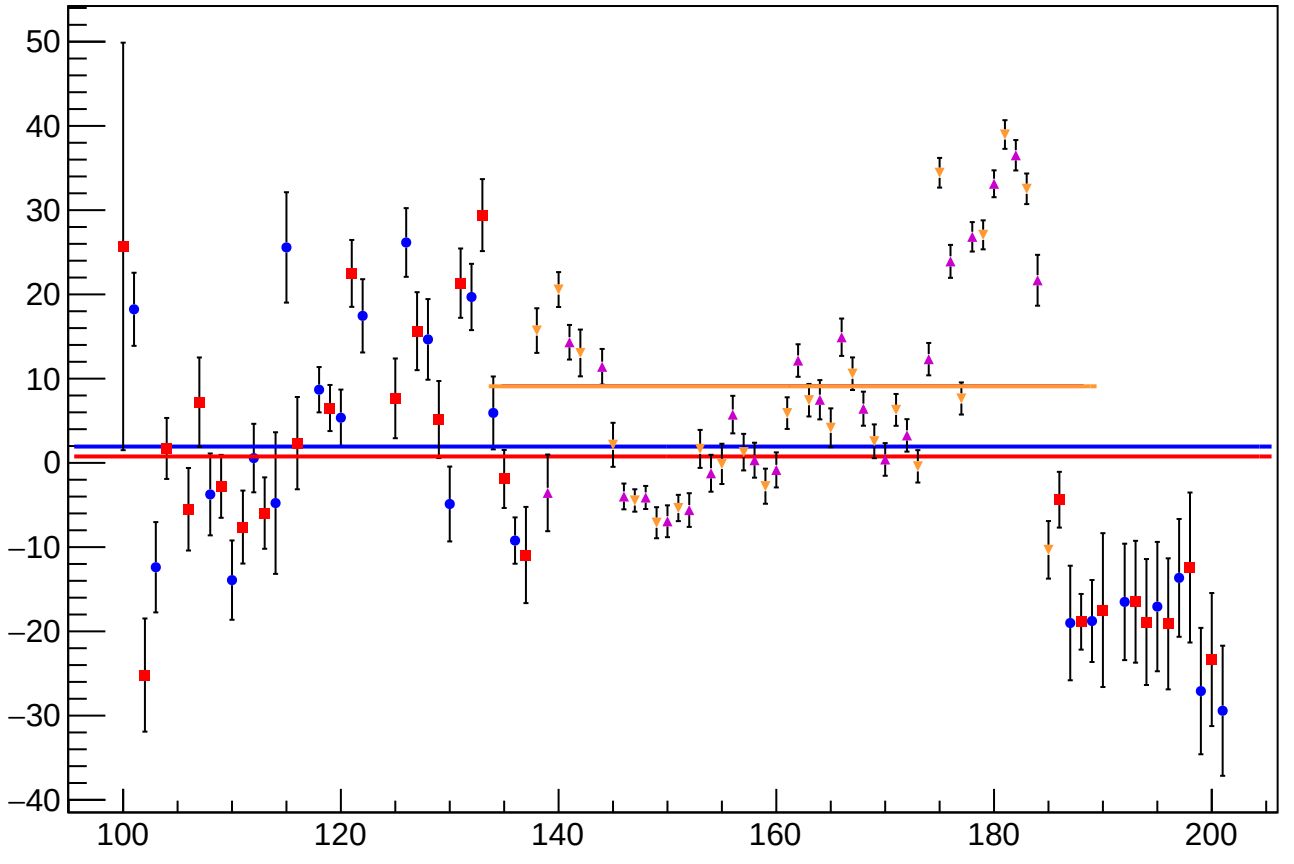
Right Out: 52.870+/-0.785 χ^2/NDF: 2583.0/25

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

+ sign -17.821+/-0.446 χ^2/NDF: 11789.4/46

All: -14.505+/-0.312 χ^2/NDF: 25195.9/95

- sign -11.339+/-0.436 χ^2/NDF: 13298.4/48



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: 0.761+/-0.900 χ^2/NDF: 221.2/25

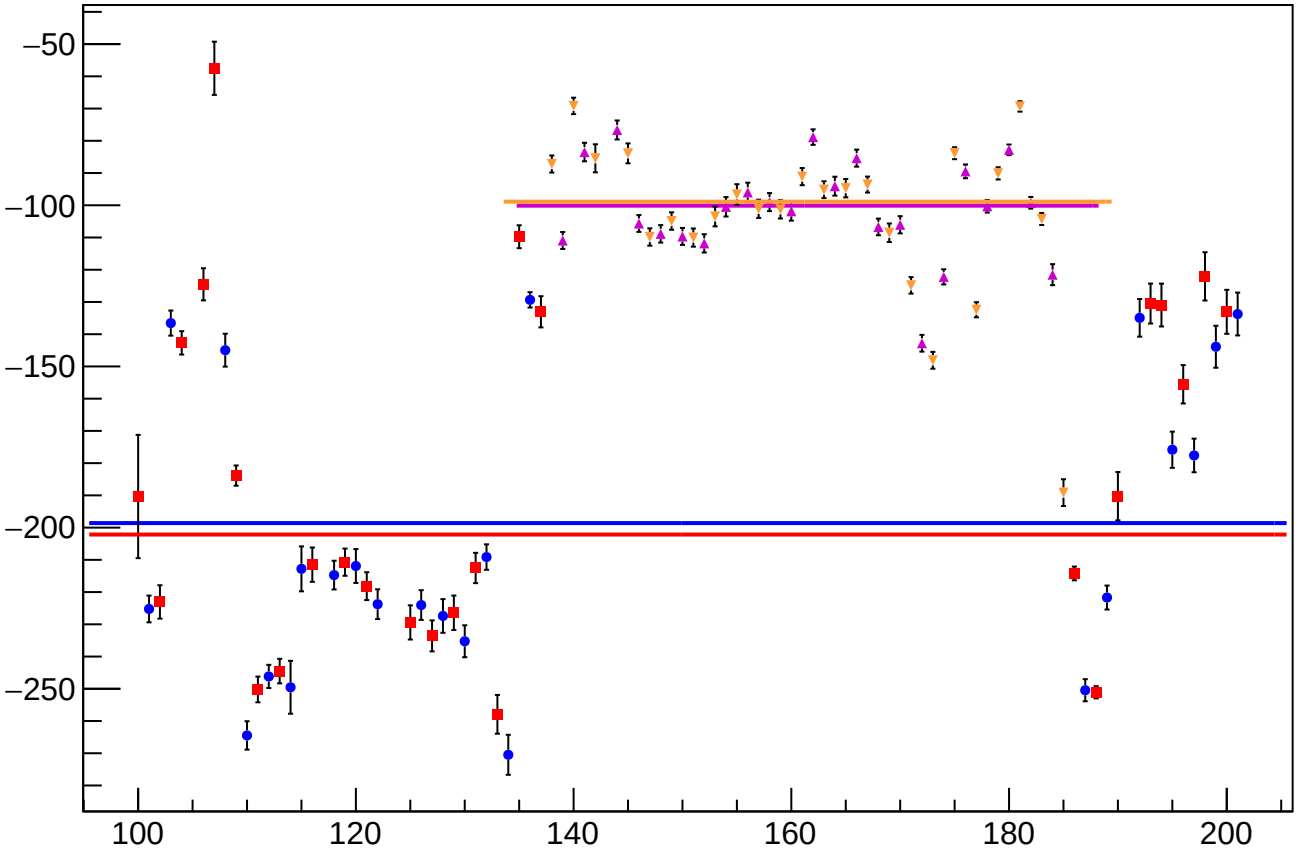
Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.004+/-0.369 χ^2/NDF: 1529.6/46

All: 7.849+/-0.262 χ^2/NDF: 2874.5/95

- sign 7.692+/-0.372 χ^2/NDF: 1344.5/48

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -198.596+/-0.931 χ^2/NDF: 2587.1/22

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

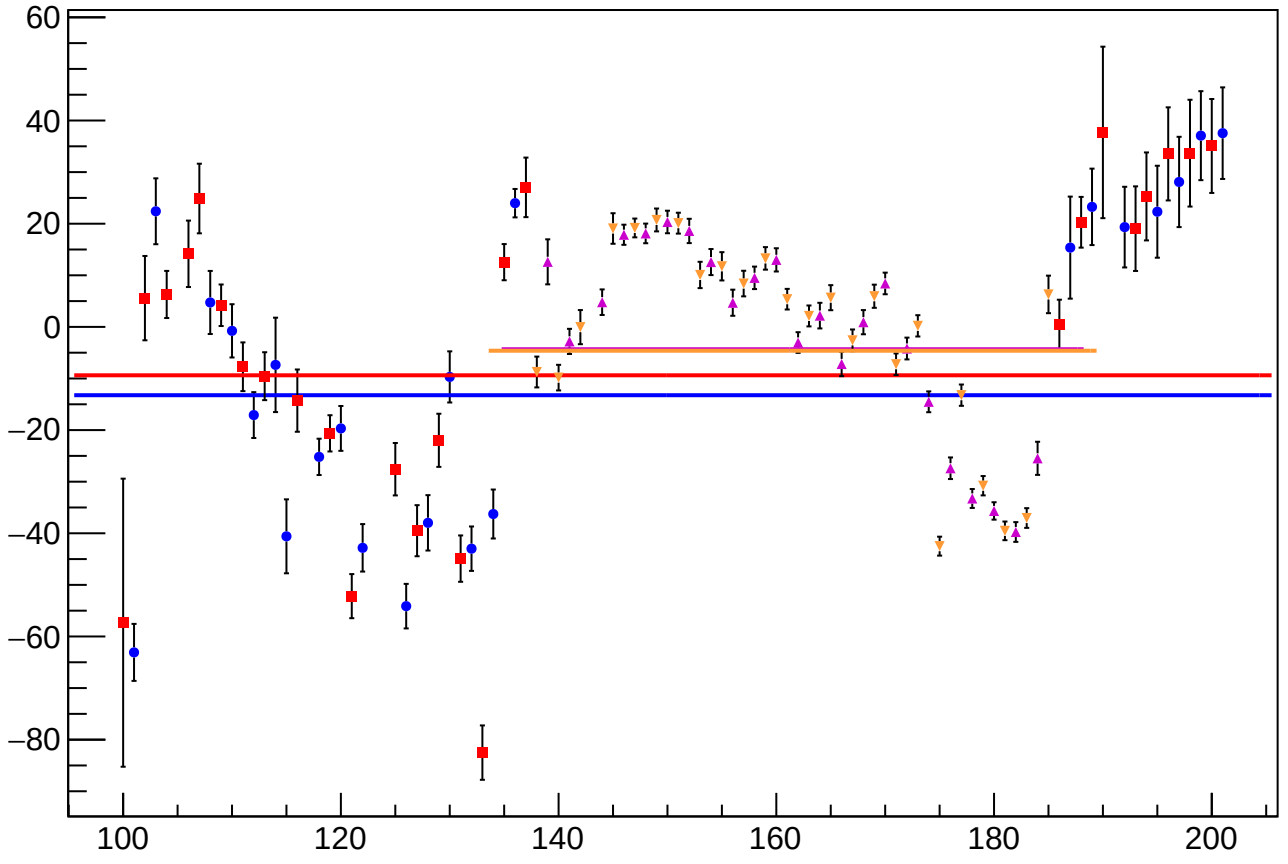
Right Out: -202.152+/-0.819 χ^2/NDF: 3447.9/25

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -122.182+/-0.450 χ^2/NDF: 13200.2/46

All: -125.893+/-0.314 χ^2/NDF: 28655.2/95

- sign -129.425+/-0.439 χ^2/NDF: 15322.3/48



Right In: -13.240+/-1.091 χ^2/NDF: 718.4/22

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

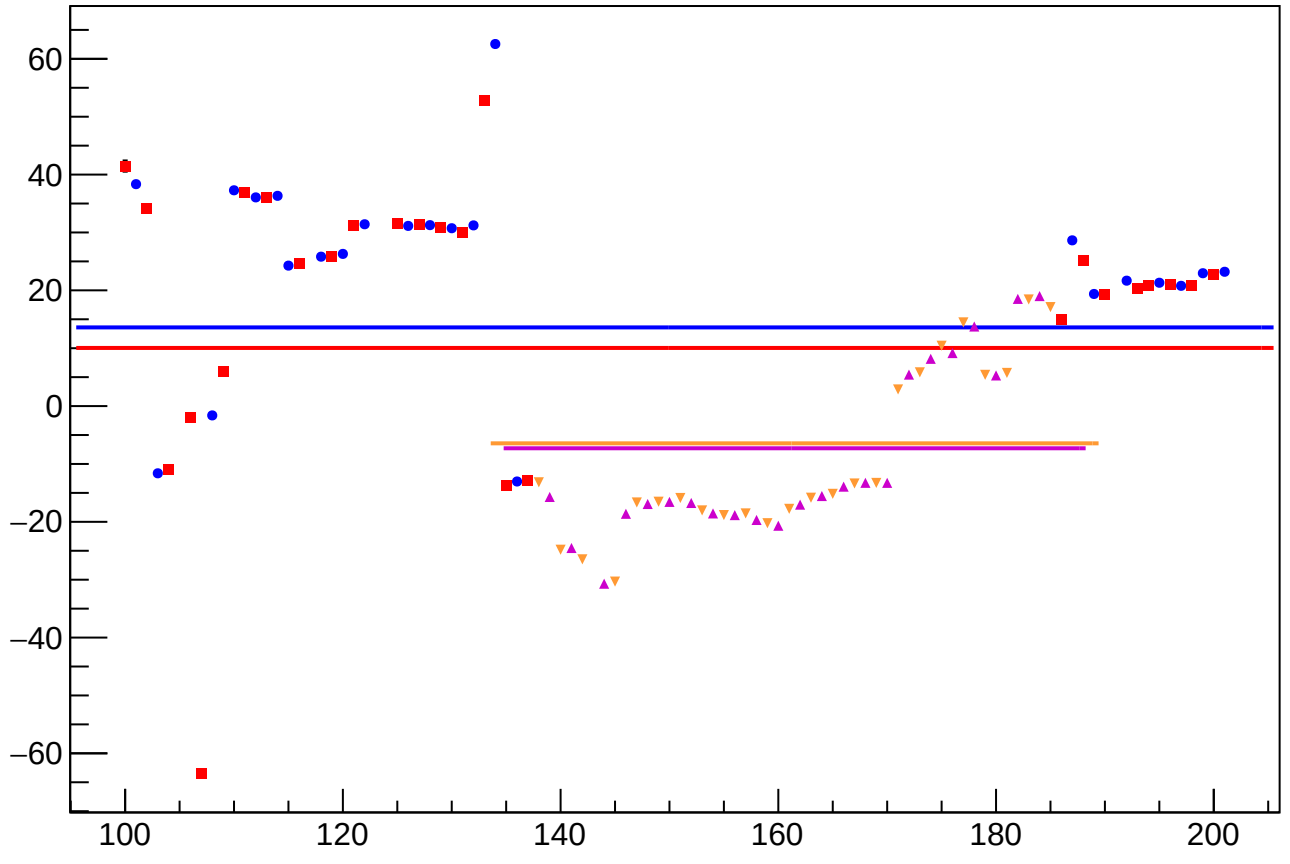
Right Out: -9.381+/-1.060 χ^2/NDF: 710.8/25

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

\+ sign -5.879+/-0.417 χ^2/NDF: 2850.0/46

All: -5.506+/-0.296 χ^2/NDF: 5435.8/95

\- sign -5.126+/-0.421 χ^2/NDF: 2584.1/48



Right In: 13.595+/-0.054 χ^2/NDF: 173414.8/22

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

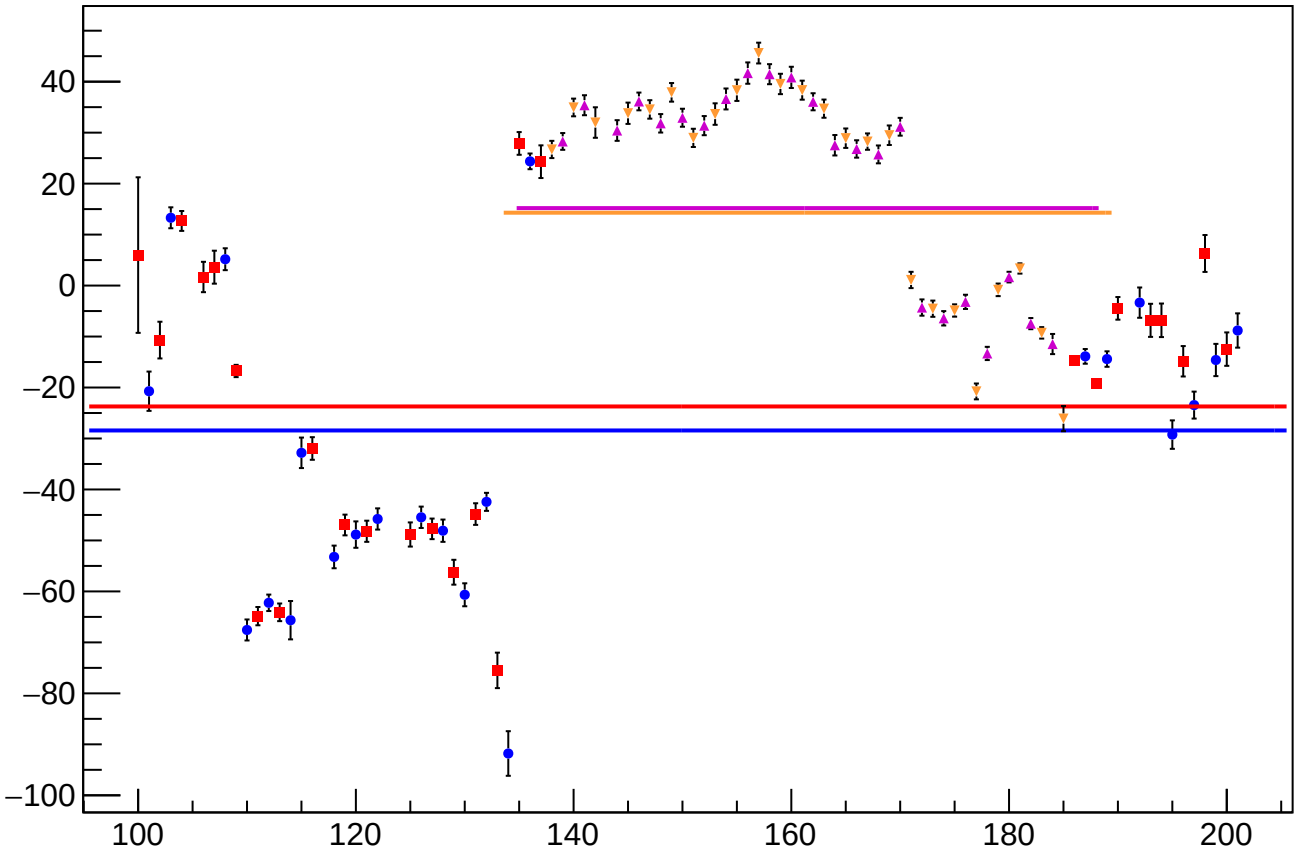
Right Out: 10.046+/-0.054 χ^2/NDF: 172828.2/25

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

\+ sign -4.002+/-0.019 χ^2/NDF: 789747.8/46

All: -4.565+/-0.013 χ^2/NDF: 1543493.9/95

\- sign -5.132+/-0.019 χ^2/NDF: 751971.8/48



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: -23.717+/-0.379 χ^2/NDF: 3748.8/25

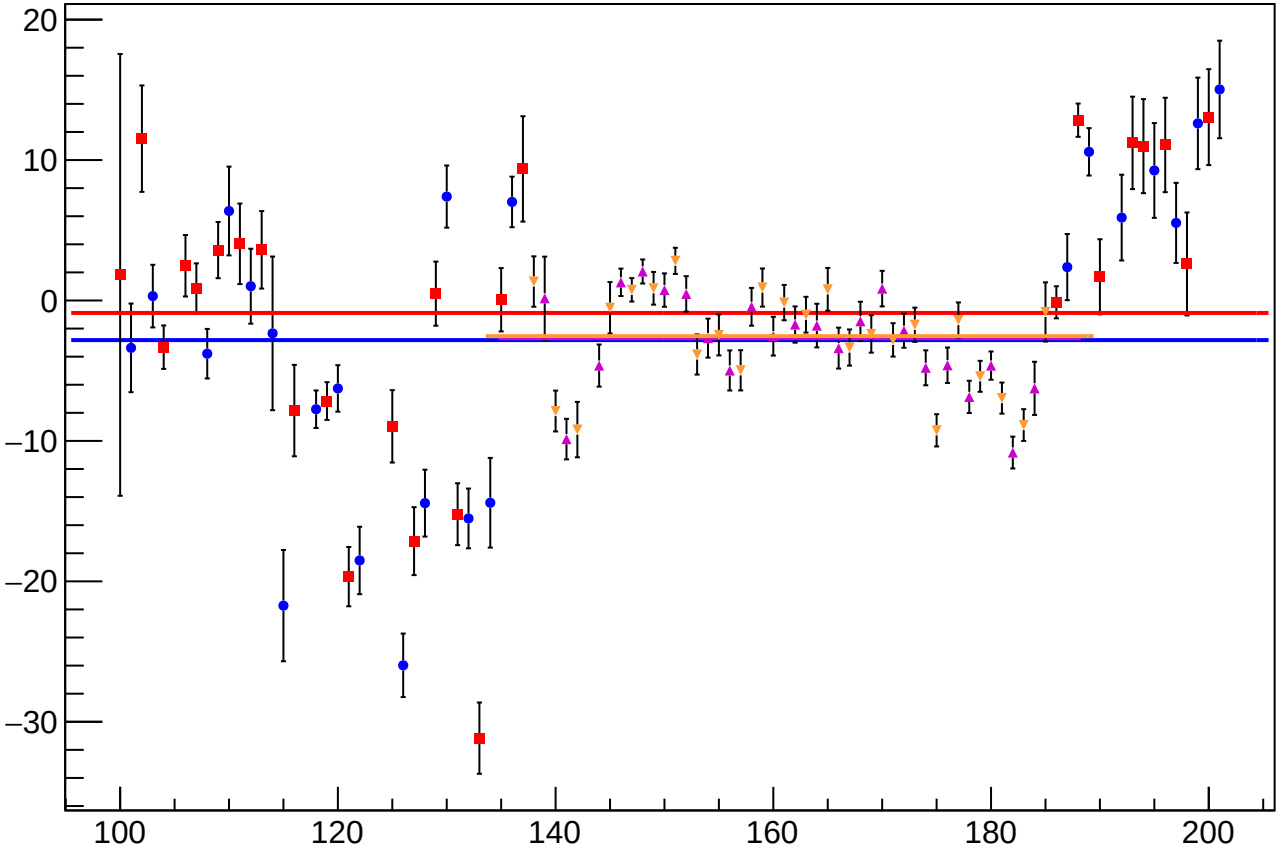
Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -0.714+/-0.270 χ^2/NDF: 13363.2/46

All: -1.472+/-0.185 χ^2/NDF: 26387.0/95

- sign -2.136+/-0.253 χ^2/NDF: 13008.9/48

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: -0.887+/-0.424 χ^2/NDF: 572.2/25

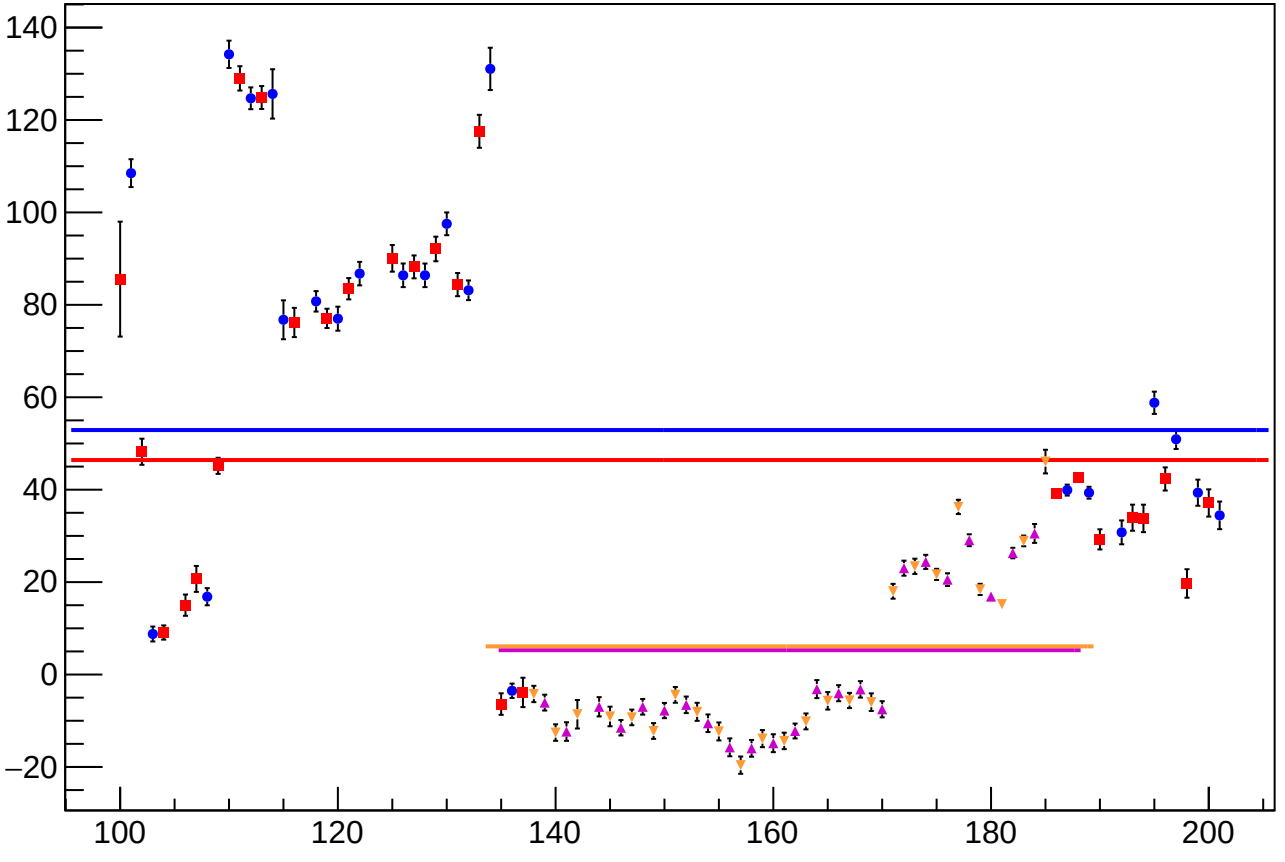
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -2.601+/-0.228 χ^2/NDF: 669.8/46

All: -2.385+/-0.160 χ^2/NDF: 1438.7/95

- sign -2.177+/-0.225 χ^2/NDF: 767.1/48

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: 46.416+/-0.359 χ^2/NDF: 5926.2/25

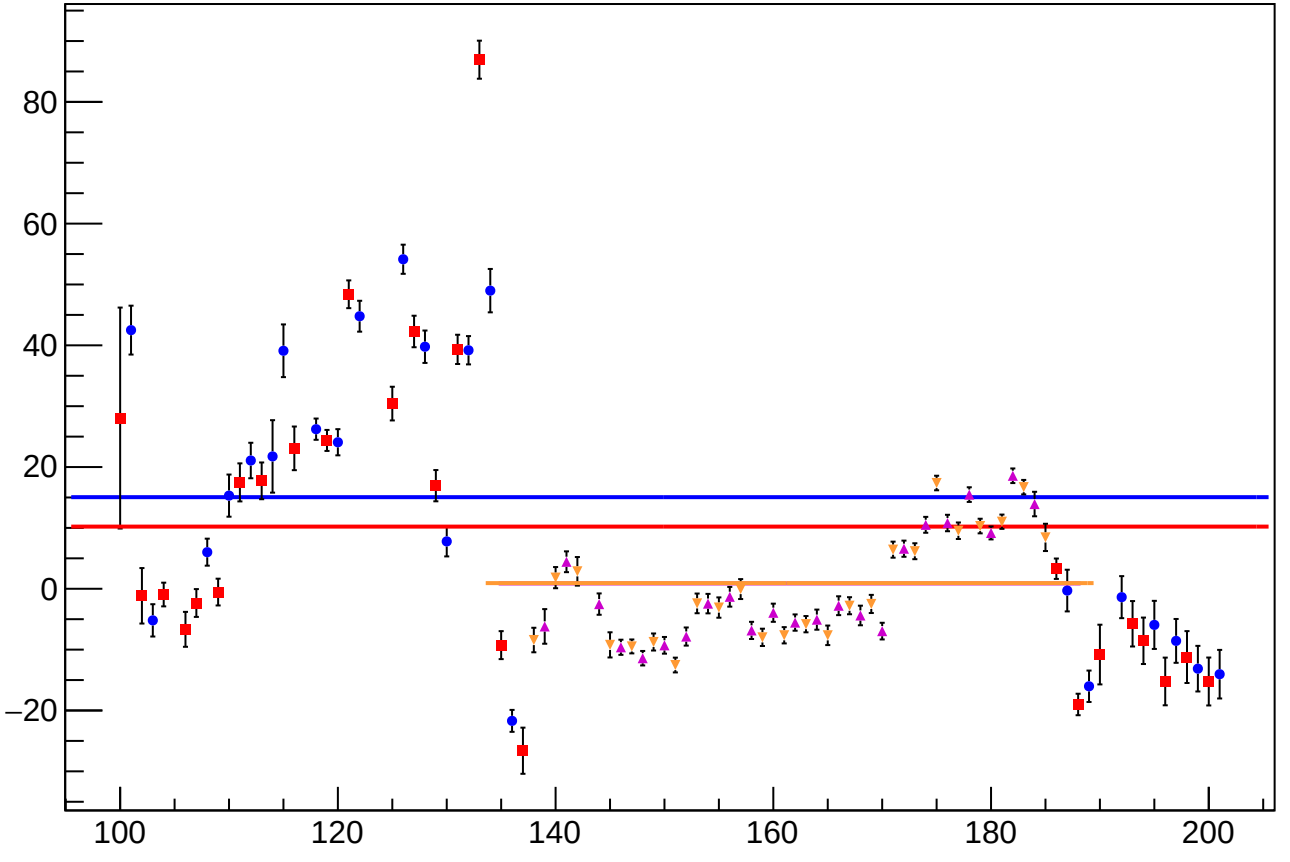
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 22.641+/-0.268 χ^2/NDF: 16407.1/46

All: 23.647+/-0.181 χ^2/NDF: 31795.4/95

- sign 24.494+/-0.246 χ^2/NDF: 15362.3/48

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 15.052+/-0.574 χ^2/NDF: 1698.3/22

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

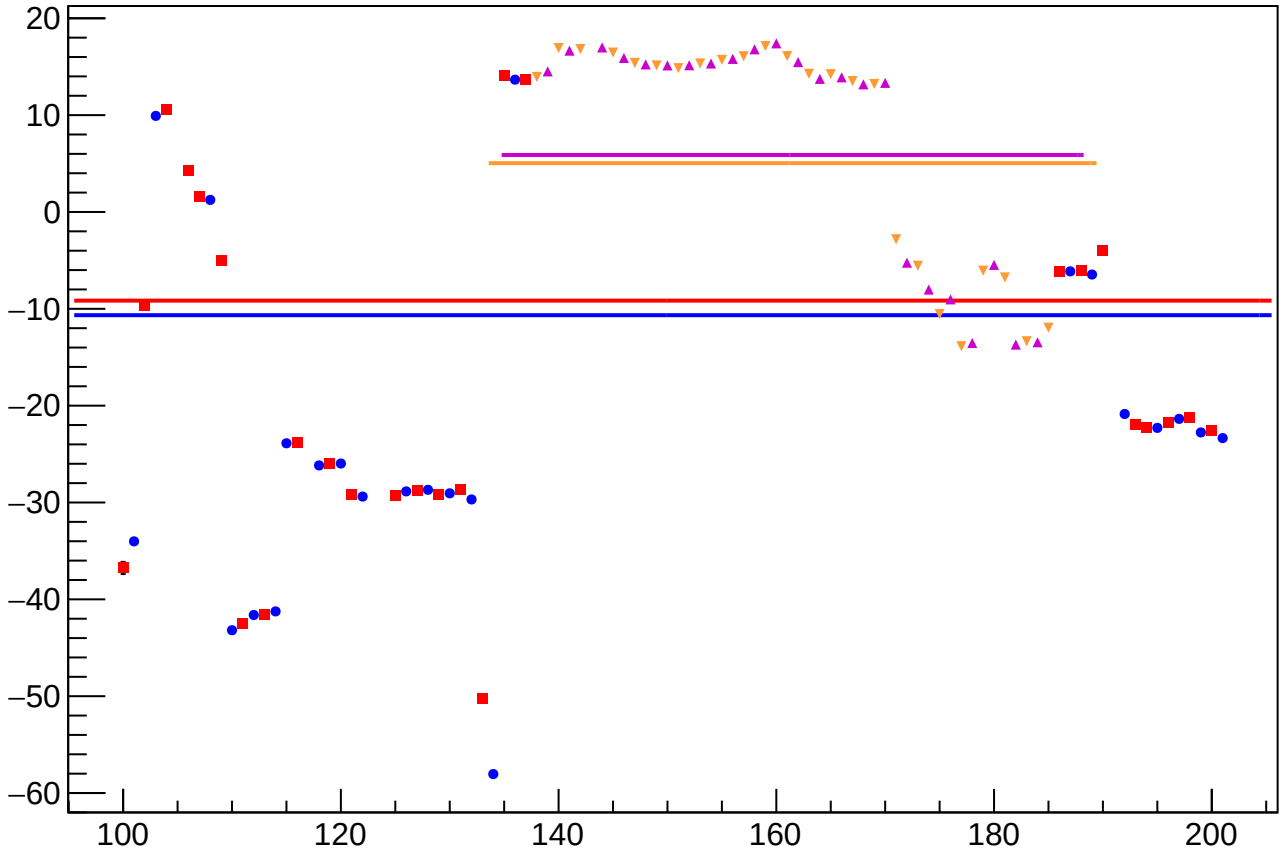
Right Out: 10.214+/-0.523 χ^2/NDF: 2090.1/25

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.829+/-0.260 χ^2/NDF: 3220.9/46

All: 3.492+/-0.183 χ^2/NDF: 6561.4/95

- sign 3.160+/-0.258 χ^2/NDF: 3337.1/48



Right In: -10.658+/-0.027 χ^2/NDF: 480229.7/22

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

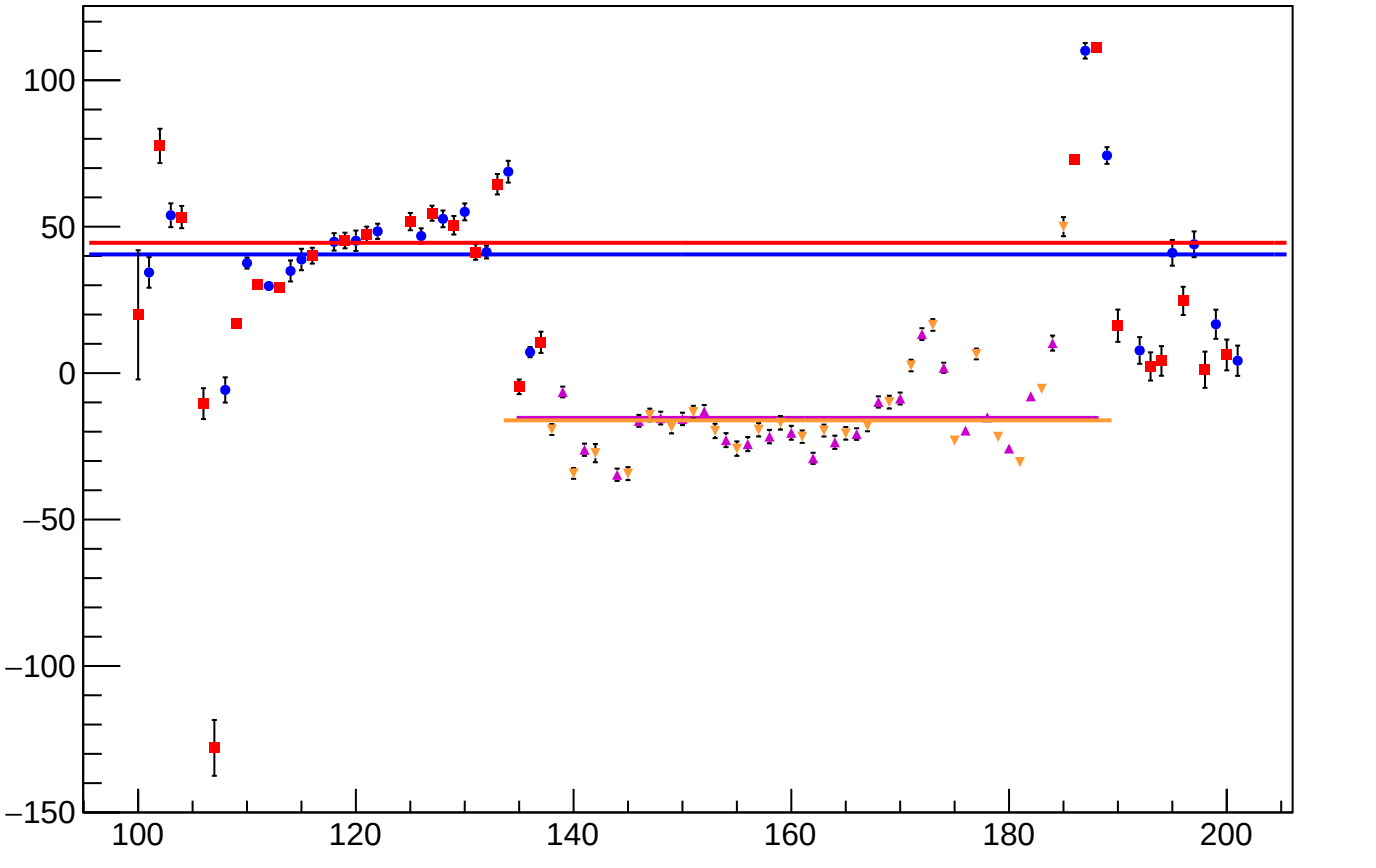
Right Out: -9.154+/-0.026 χ^2/NDF: 387284.8/25

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 2.049+/-0.012 χ^2/NDF: 1611266.4/46

All: 2.438+/-0.008 χ^2/NDF: 3113380.4/95

- sign 2.826+/-0.012 χ^2/NDF: 1499923.1/48



Right In: 40.529+/-0.596 χ^2/NDF: 1613.4/22

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

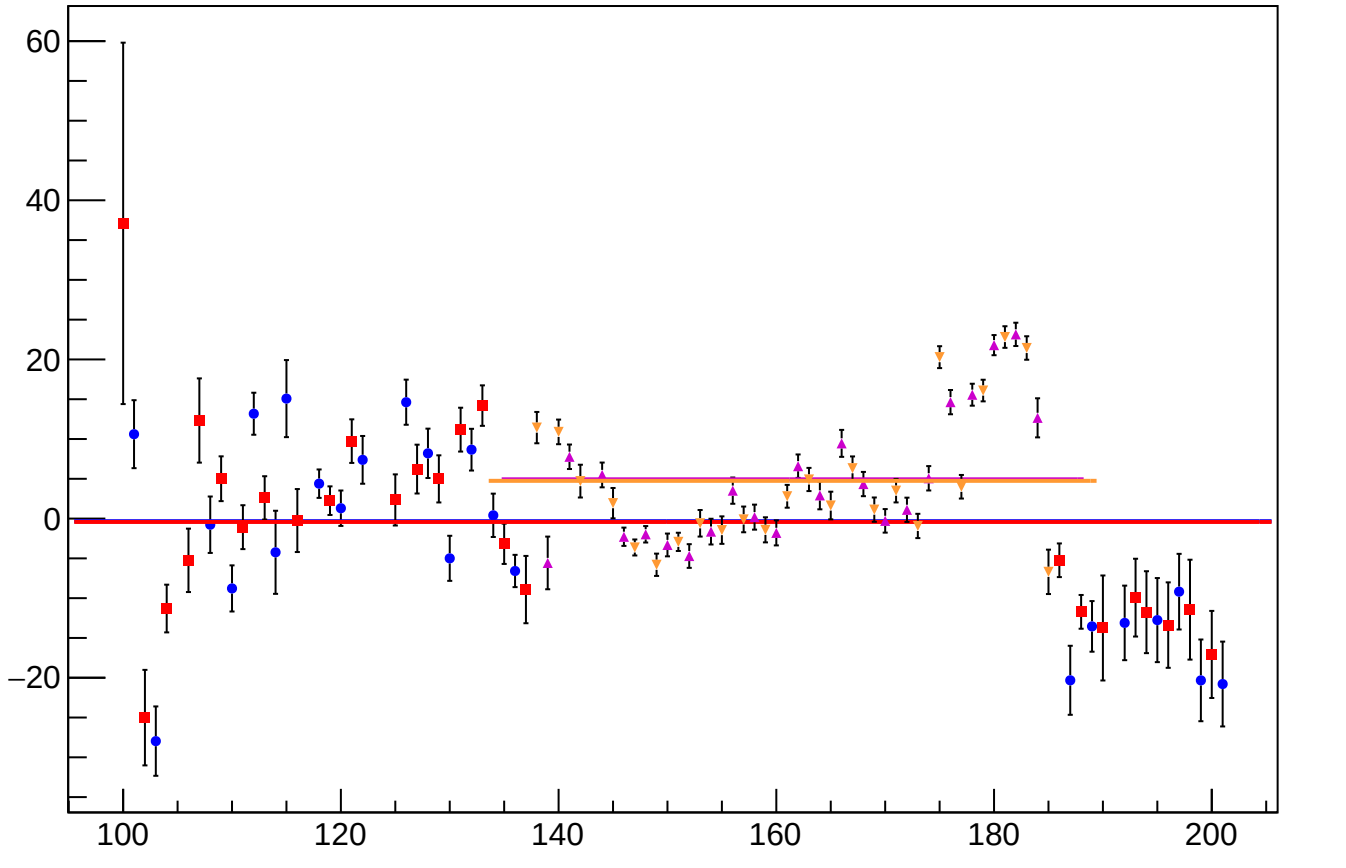
Right Out: 44.496+/-0.534 χ^2/NDF: 3997.1/25

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 1.332+/-0.331 χ^2/NDF: 9228.1/46

All: 3.957+/-0.231 χ^2/NDF: 22100.8/95

- sign 6.437+/-0.322 χ^2/NDF: 12750.3/48



Right In: -0.327+/-0.648 χ^2/NDF: 250.6/22

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

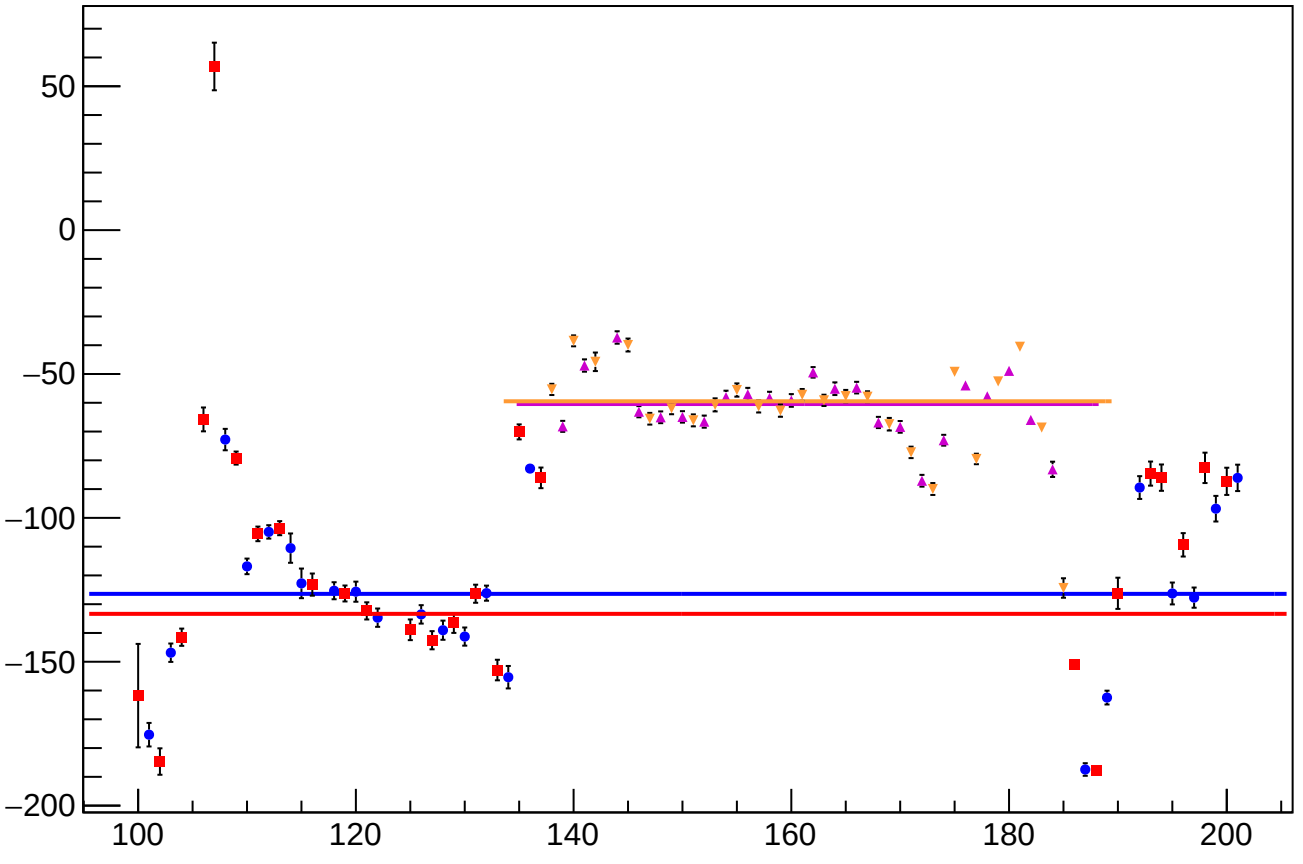
Right Out: -0.421+/-0.621 χ^2/NDF: 190.1/25

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.817+/-0.277 χ^2/NDF: 1094.4/46

All: 3.833+/-0.197 χ^2/NDF: 2032.3/95

- sign 3.849+/-0.279 χ^2/NDF: 937.9/48



Right In: -126.410+/-0.640 χ^2/NDF: 2432.6/22

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

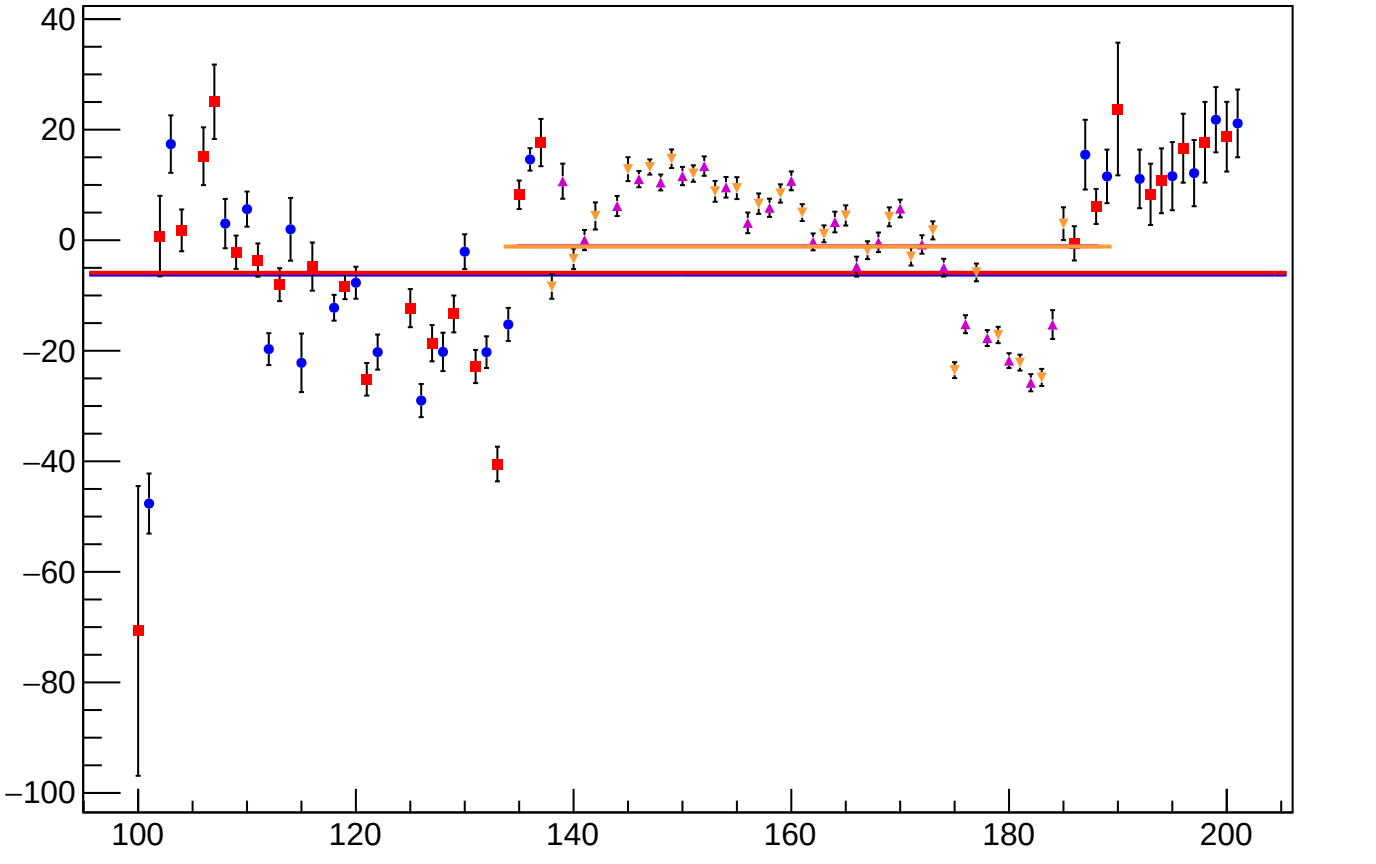
Right Out: -133.356+/-0.558 χ^2/NDF: 5205.6/25

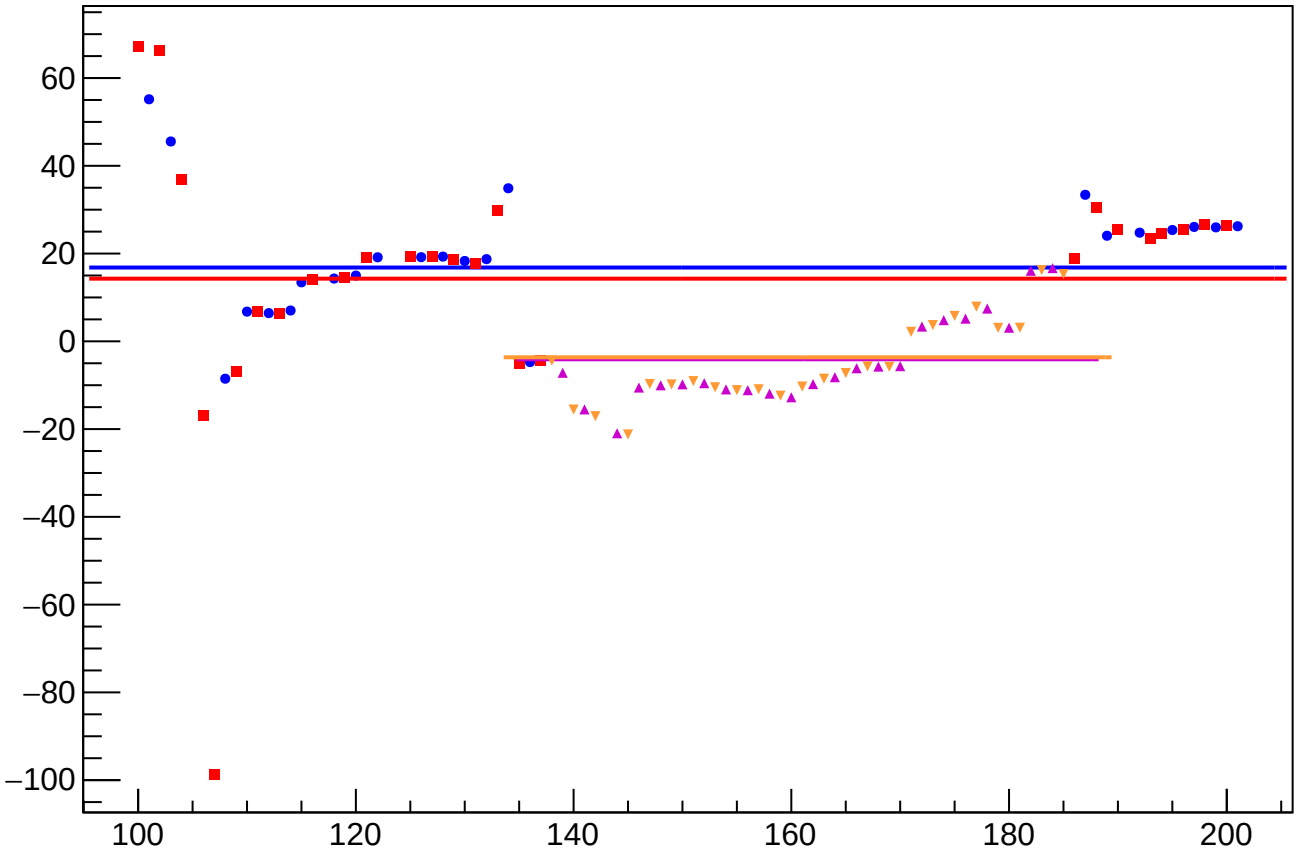
Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -77.931+/-0.336 χ^2/NDF: 11722.6/46

All: -81.661+/-0.234 χ^2/NDF: 29124.5/95

\- sign -85.146+/-0.325 χ^2/NDF: 17163.7/48


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -6.217+/-0.747 χ²/NDF: 466.5/22
Left Out: -1.144+/-0.346 χ²/NDF:1303.0/23
Right Out: -5.894+/-0.732 χ²/NDF: 409.0/25
Left In: -1.082+/-0.352 χ²/NDF:1157.4/22
+ sign -2.039+/-0.314 χ²/NDF: 1807.5/46
All: -2.012+/-0.223 χ²/NDF: 3409.0/95
- sign -1.984+/-0.317 χ²/NDF: 1601.5/48



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: 14.283+/-0.039 χ^2/NDF: 332531.4/25

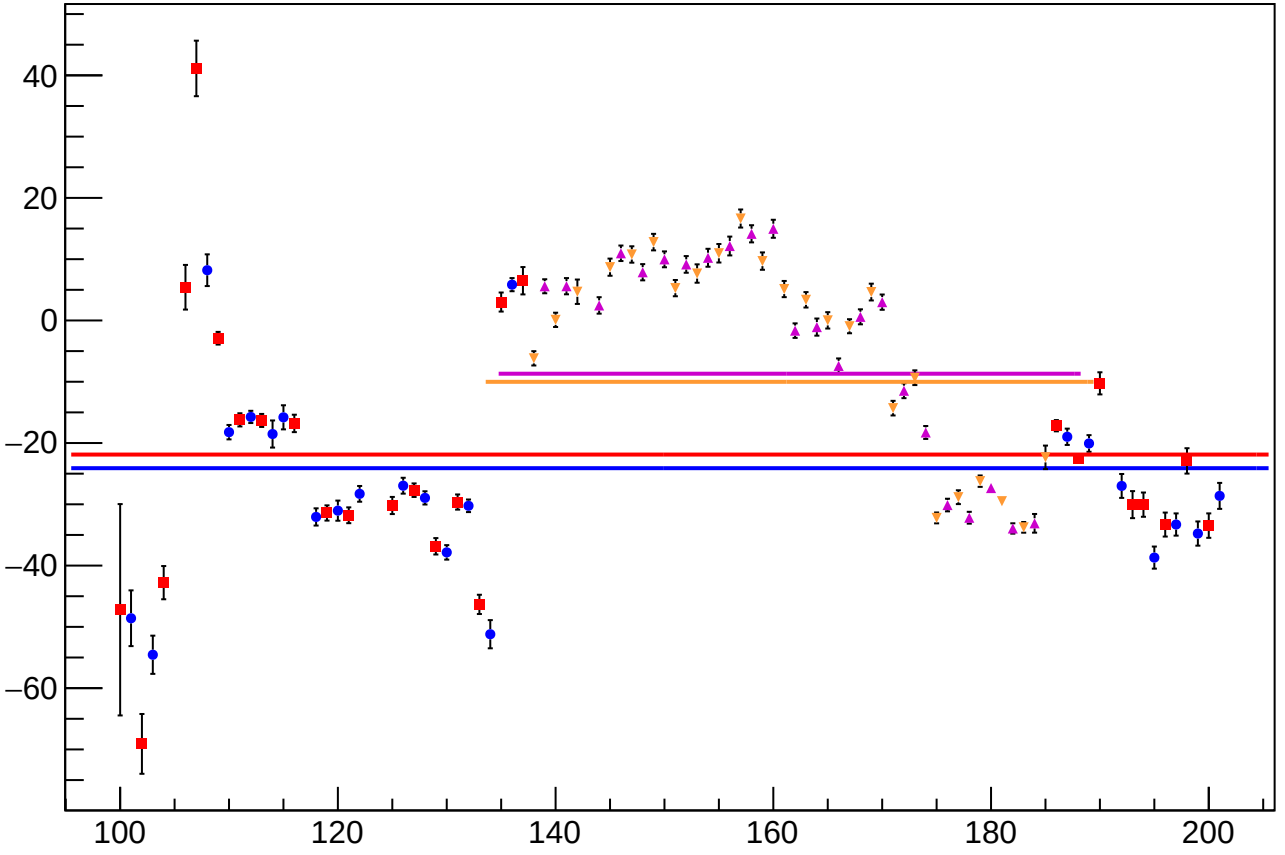
Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -0.809+/-0.014 χ^2/NDF: 793267.0/46

All: -1.191+/-0.010 χ^2/NDF: 1651998.6/95

- sign -1.577+/-0.014 χ^2/NDF: 857304.8/48

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -24.105+/-0.307 χ^2/NDF: 1724.1/22

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

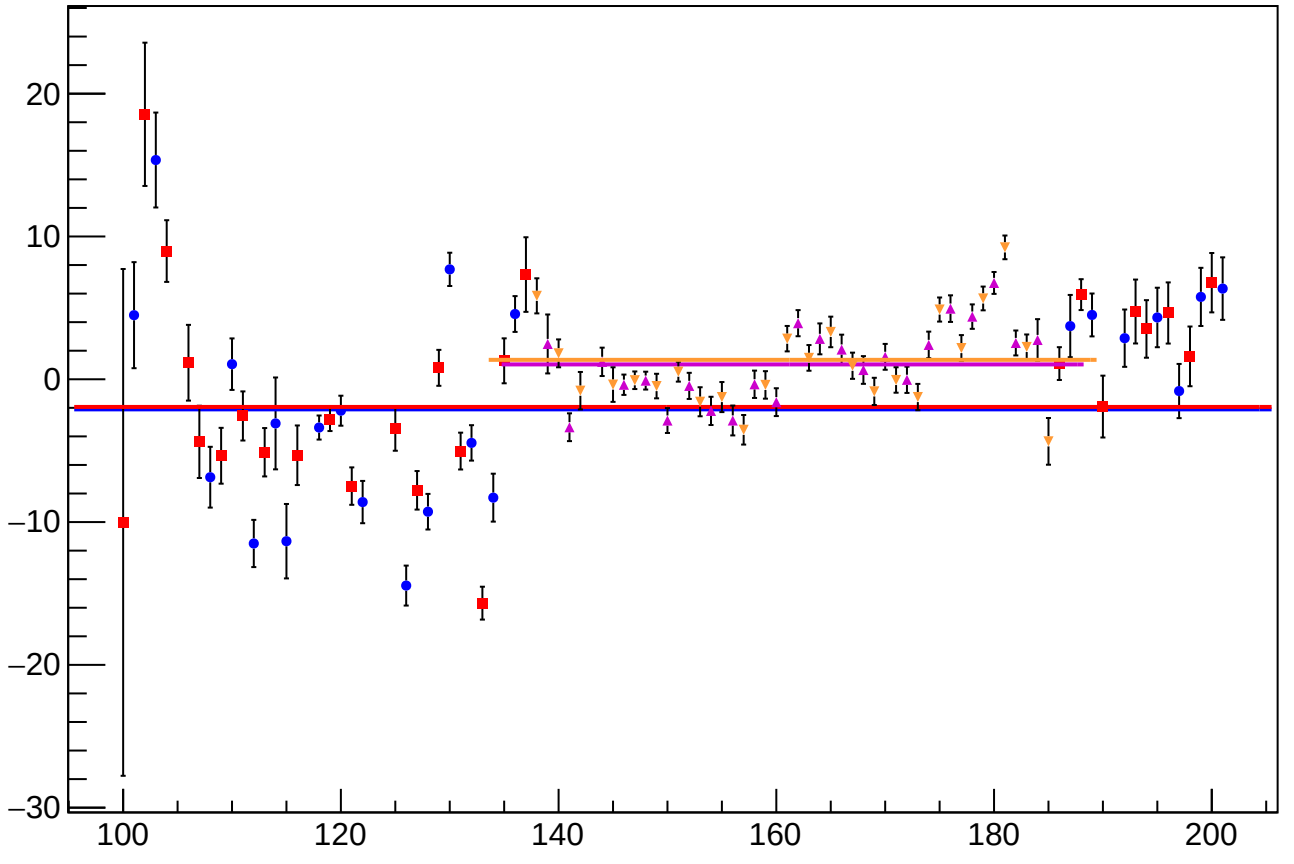
Right Out: -21.882+/-0.281 χ^2/NDF: 1981.2/25

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -15.475+/-0.191 χ^2/NDF: 7991.1/46

All: -14.952+/-0.133 χ^2/NDF: 16249.1/95

- sign -14.457+/-0.186 χ^2/NDF: 8243.4/48



Right In: -2.107+/-0.325 χ^2/NDF: 405.0/22

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

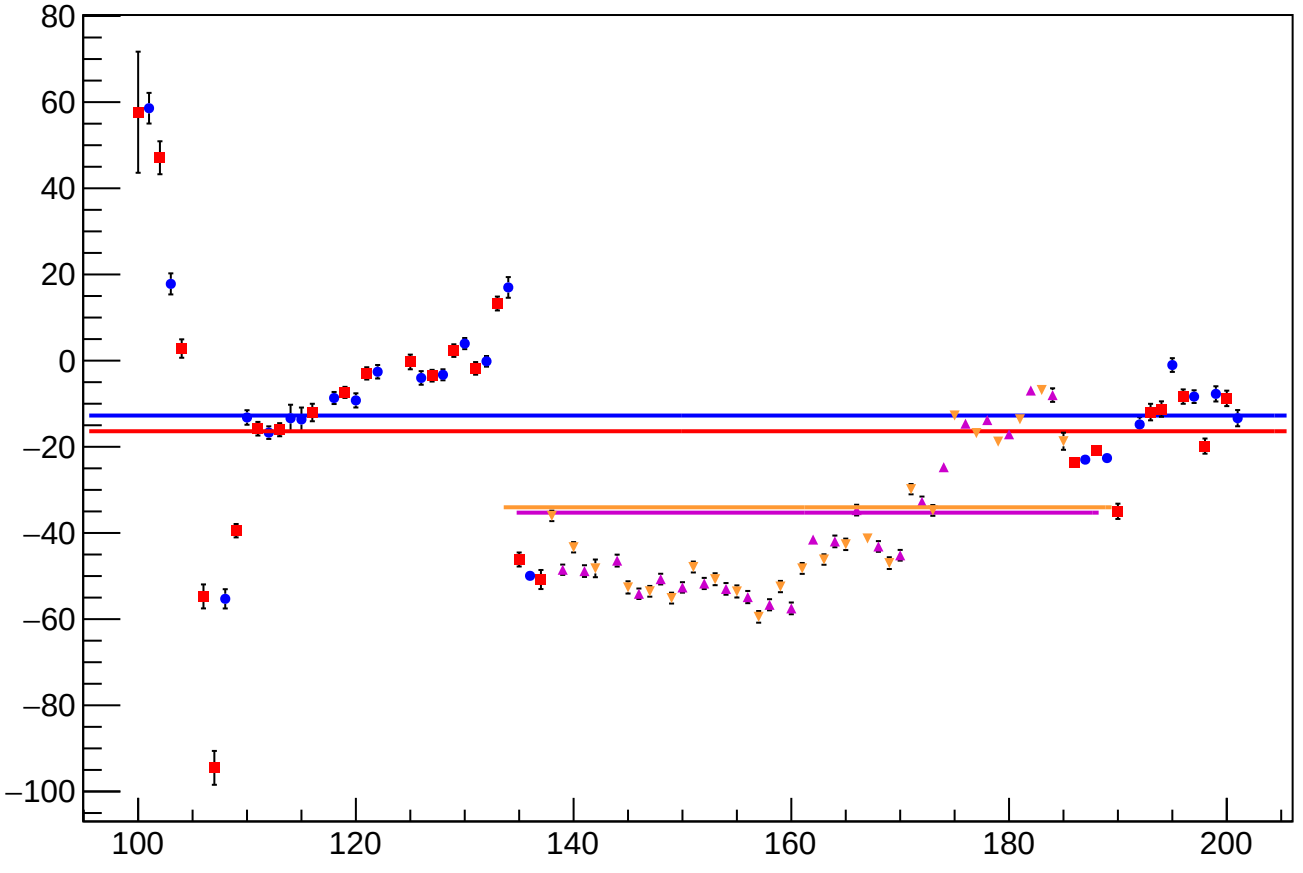
Right Out: -1.937+/-0.313 χ^2/NDF: 368.5/25

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.489+/-0.163 χ^2/NDF: 730.6/46

All: 0.357+/-0.116 χ^2/NDF: 1362.3/95

- sign 0.223+/-0.164 χ^2/NDF: 630.4/48



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: -16.388+/-0.287 χ^2/NDF: 3009.5/25

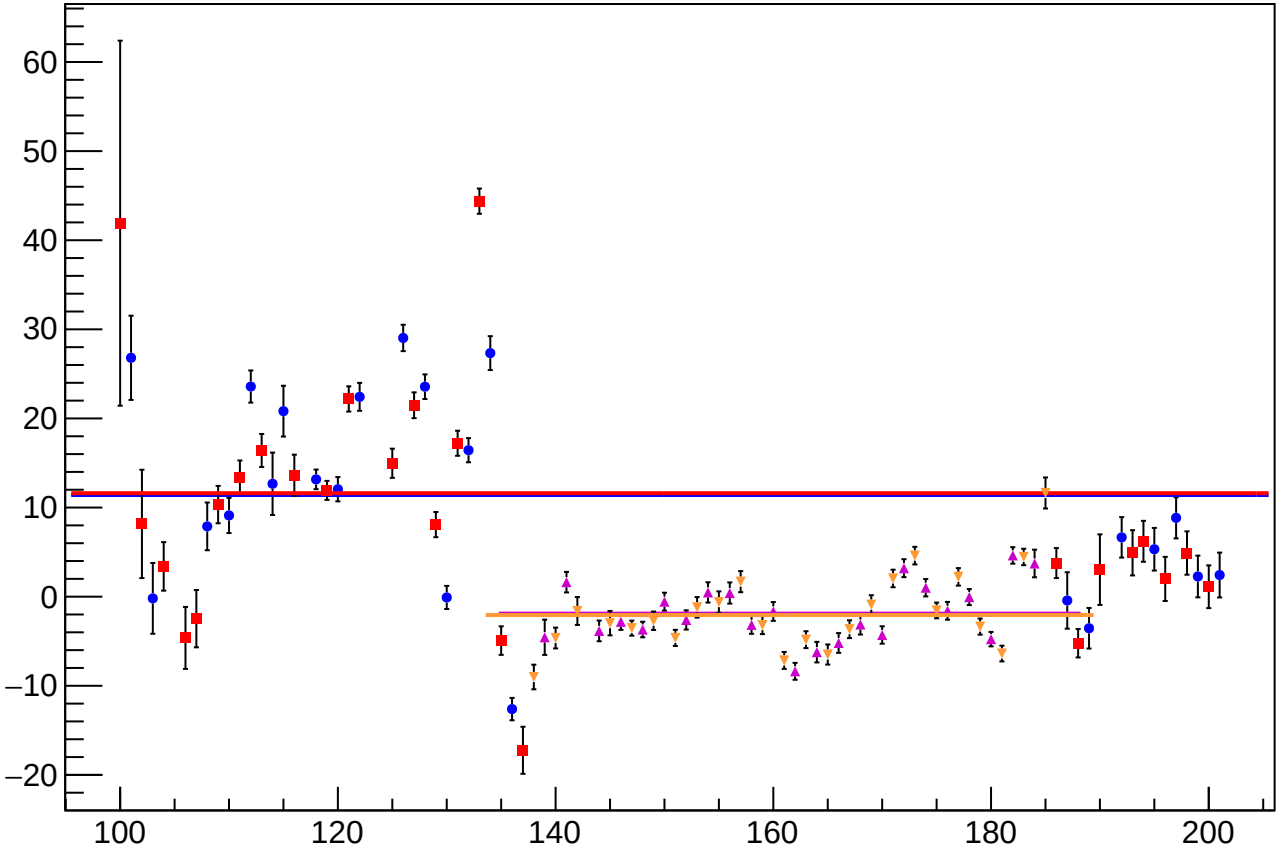
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -26.430+/-0.194 χ^2/NDF: 10623.6/46

All: -26.879+/-0.135 χ^2/NDF: 21149.3/95

\- sign -27.291+/-0.186 χ^2/NDF: 10515.5/48

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.411+/-0.378 χ^2/NDF: 976.5/22

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

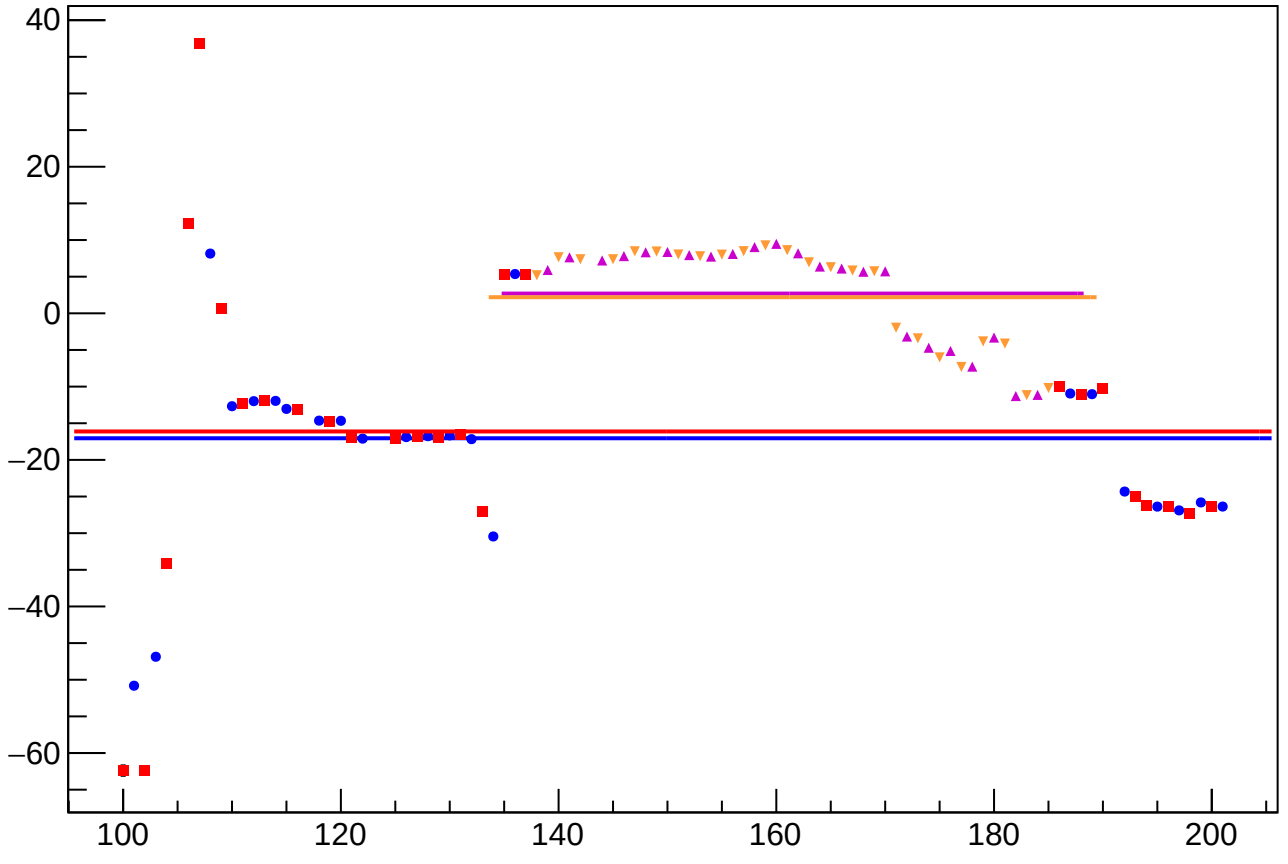
Right Out: 11.612+/-0.371 χ^2/NDF: 1144.2/25

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

+ sign 1.169+/-0.185 χ^2/NDF: 2275.4/46

All: 1.343+/-0.131 χ^2/NDF: 4634.2/95

- sign 1.520+/-0.187 χ^2/NDF: 2357.0/48



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: -16.120+/-0.020 χ^2/NDF: 554043.7/25

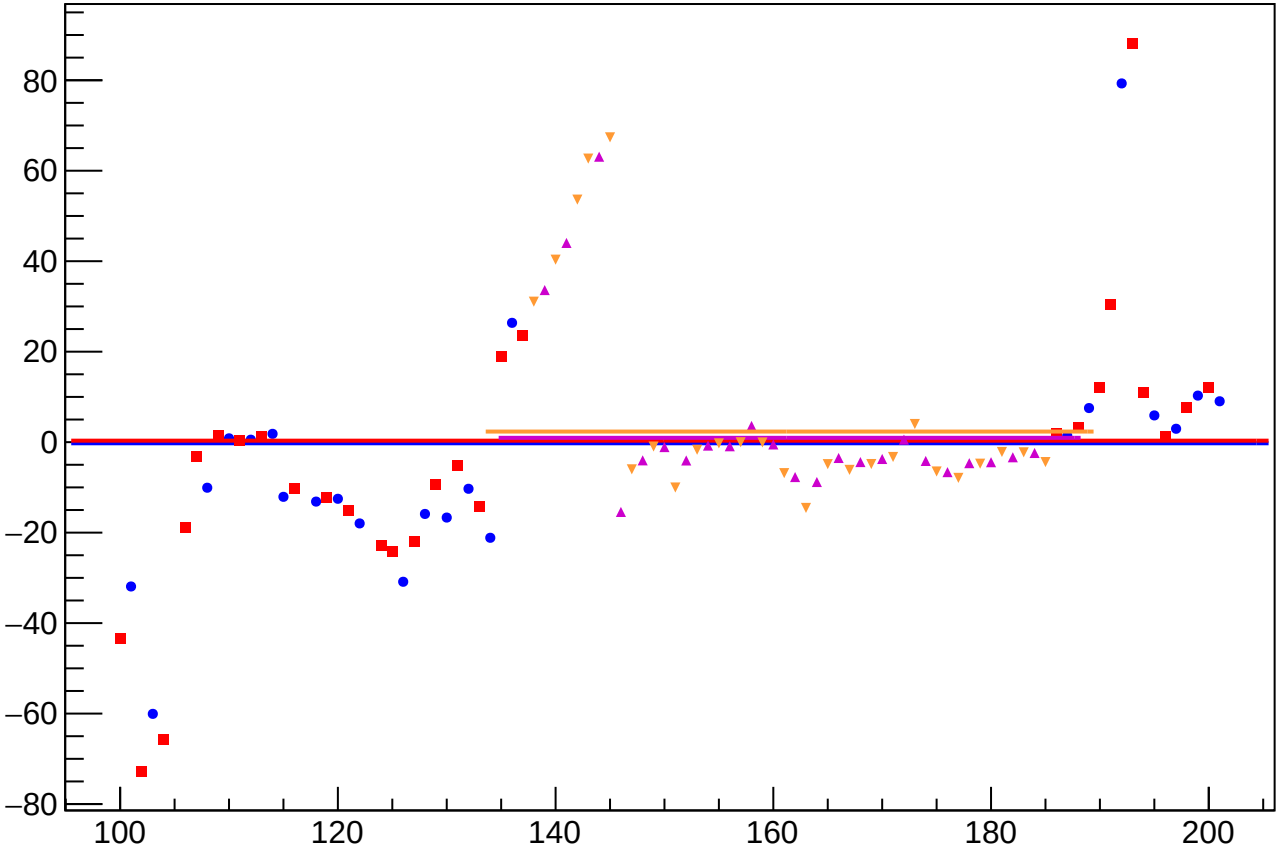
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -1.430+/-0.009 χ^2/NDF: 1770365.8/46

All: -1.168+/-0.006 χ^2/NDF: 3566999.0/95

\- sign -0.904+/-0.009 χ^2/NDF: 1794753.7/48

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

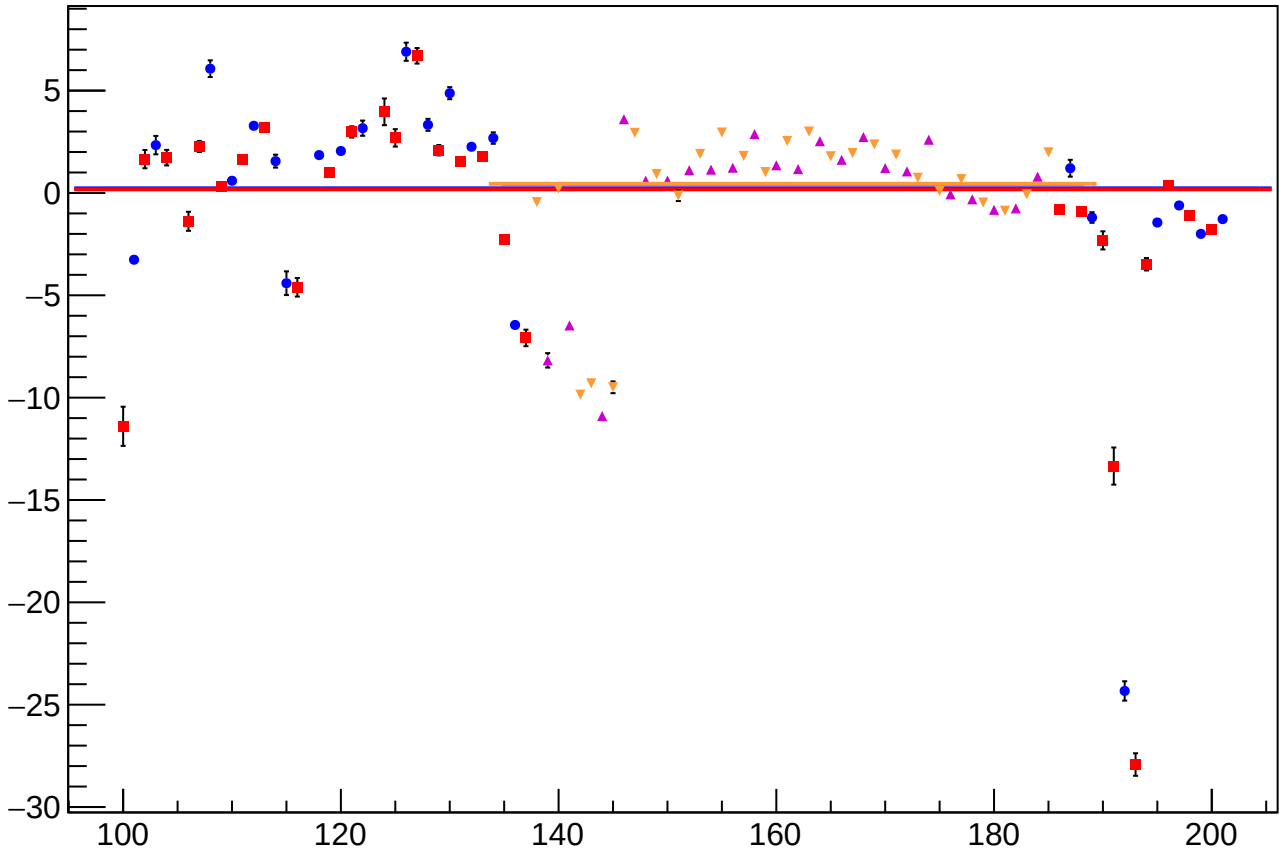
Right Out: 0.329+/-0.038 χ^2/NDF: 118667.4/27

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.195+/-0.030 χ^2/NDF: 296067.1/47

All: 0.889+/-0.020 χ^2/NDF: 547574.7/98

- sign 0.630+/-0.028 χ^2/NDF: 251316.1/50



Right In: 0.223+/-0.050 χ^2/NDF: 5816.8/22

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

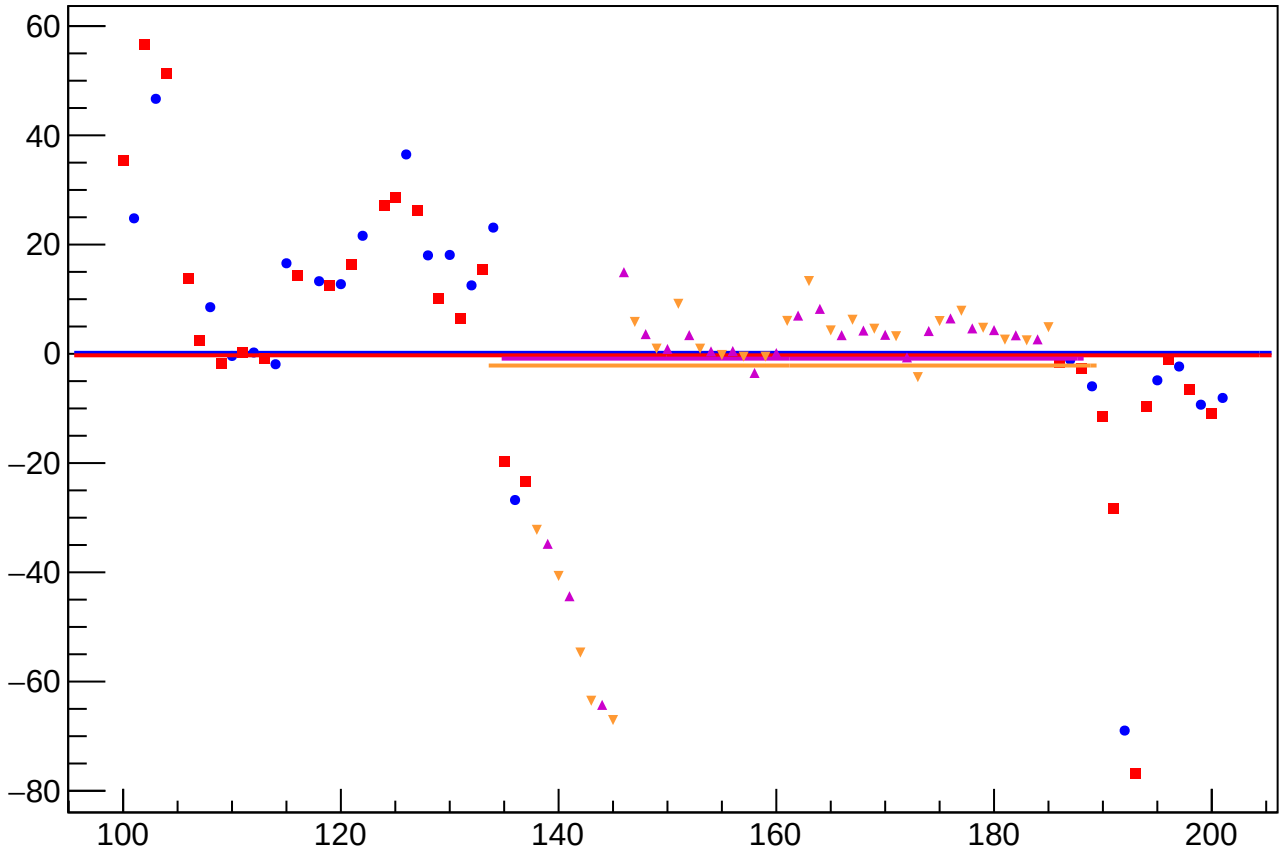
Right Out: 0.180+/-0.047 χ^2/NDF: 5027.6/27

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.379+/-0.027 χ^2/NDF: 12875.0/47

All: 0.365+/-0.019 χ^2/NDF: 25024.3/98

- sign 0.352+/-0.026 χ^2/NDF: 12148.8/50



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: -0.273+/-0.041 χ^2/NDF: 117194.4/27

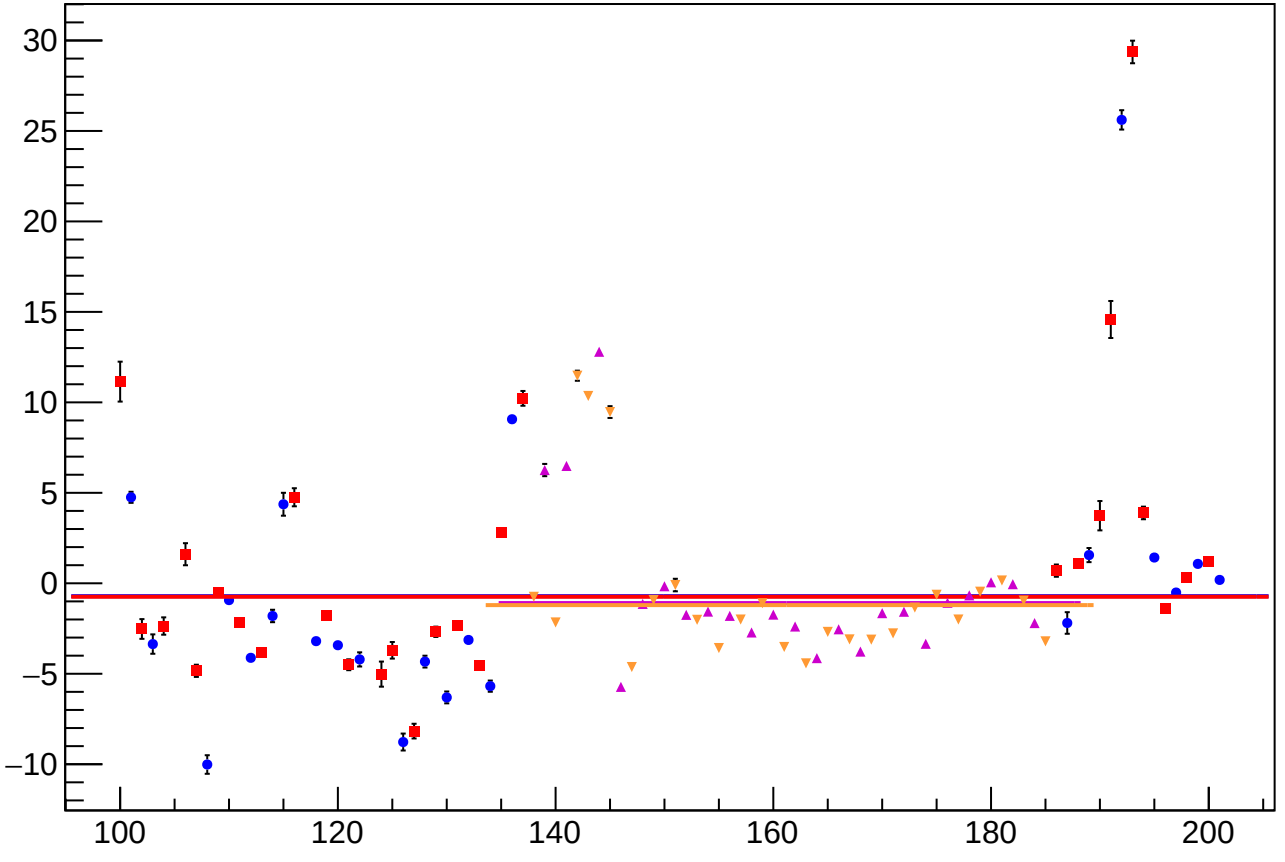
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.162+/-0.031 χ^2/NDF: 289188.5/47

All: -0.856+/-0.021 χ^2/NDF: 535882.1/98

- sign -0.591+/-0.028 χ^2/NDF: 246506.4/50

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

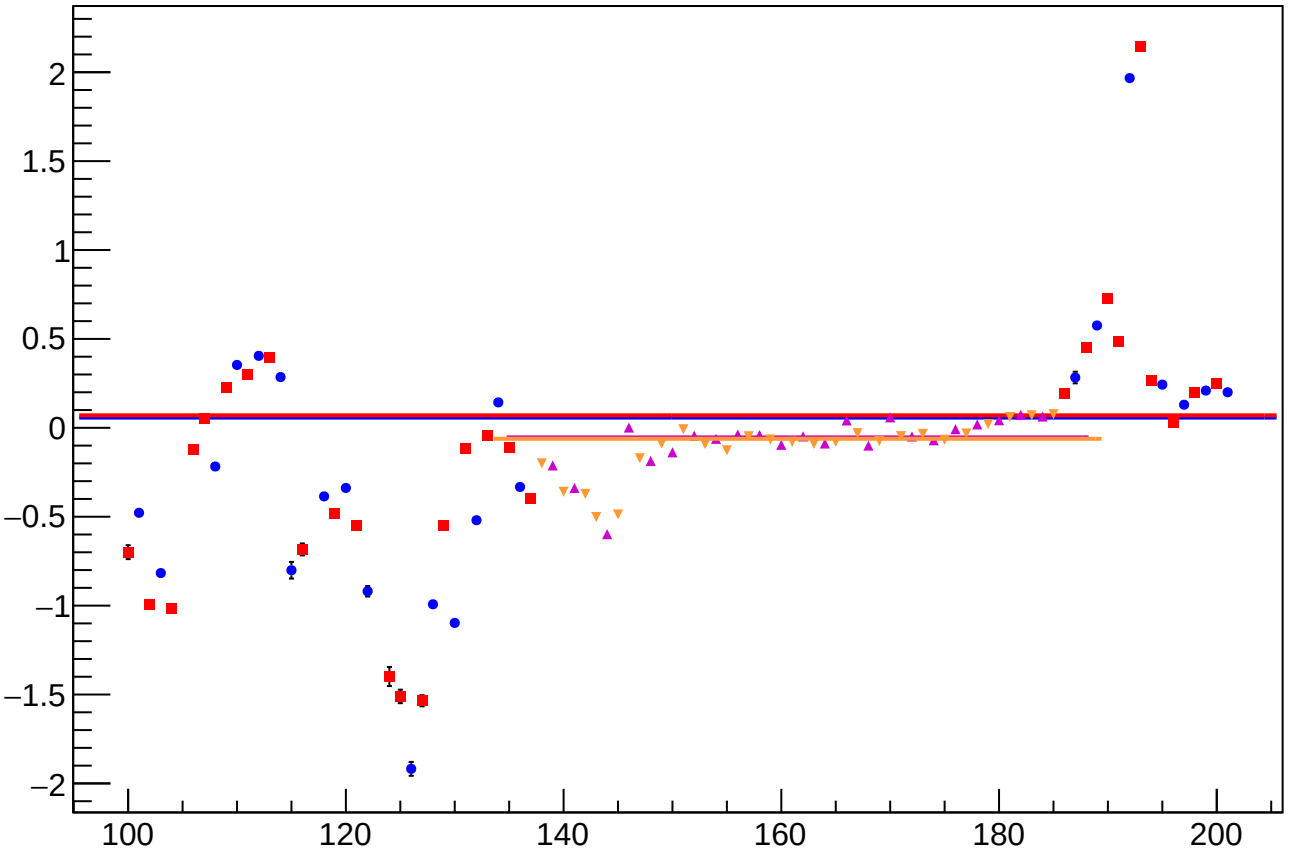
Right Out: -0.743+/-0.055 χ^2/NDF: 5573.2/27

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.070+/-0.031 χ^2/NDF: 14358.9/47

All: -1.030+/-0.021 χ^2/NDF: 26993.2/98

- sign -0.994+/-0.029 χ^2/NDF: 12631.1/50



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: 0.070+/-0.003 χ^2/NDF: 33886.9/27

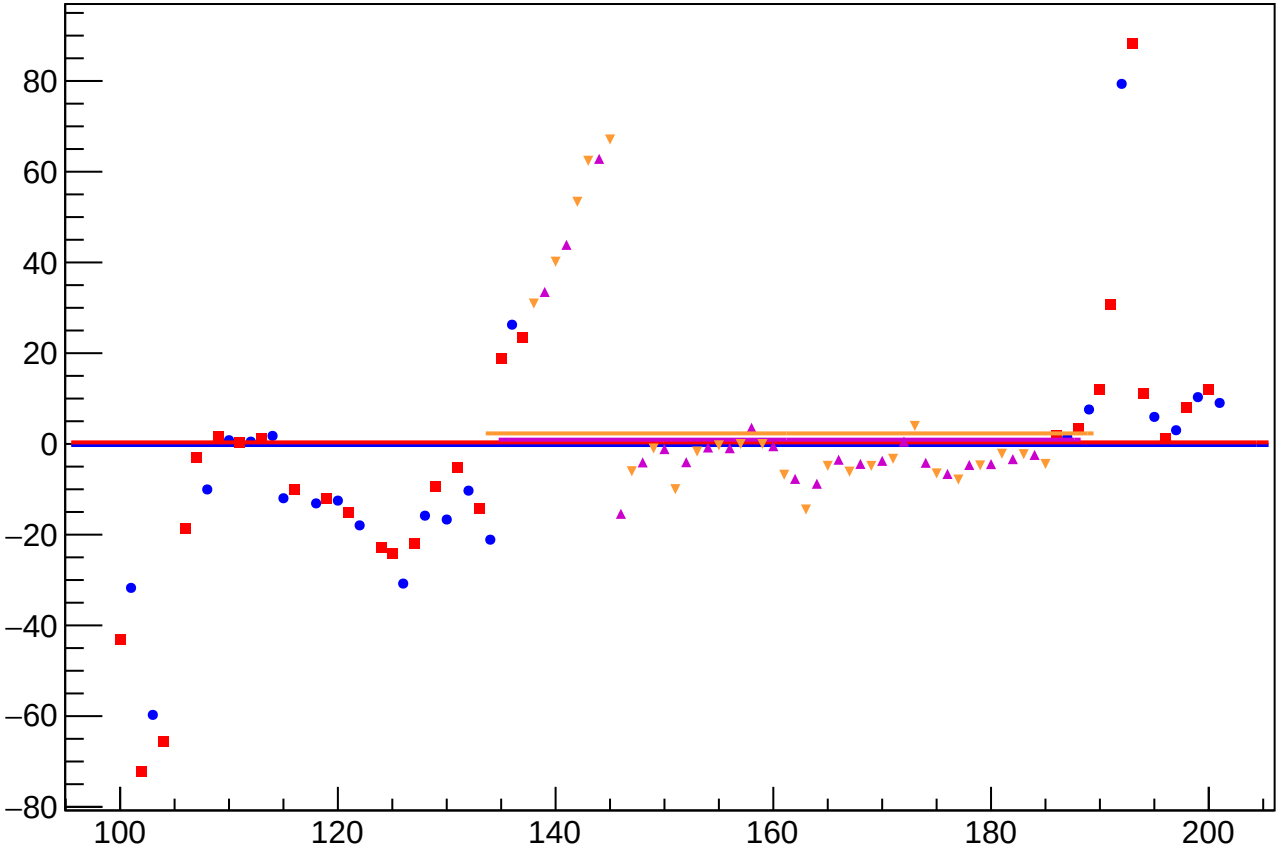
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.031+/-0.001 χ^2/NDF: 40780.4/47

All: -0.027+/-0.001 χ^2/NDF: 81398.3/98

- sign -0.024+/-0.001 χ^2/NDF: 40604.2/50

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: 0.340+/-0.038 χ^2/NDF: 119147.3/27

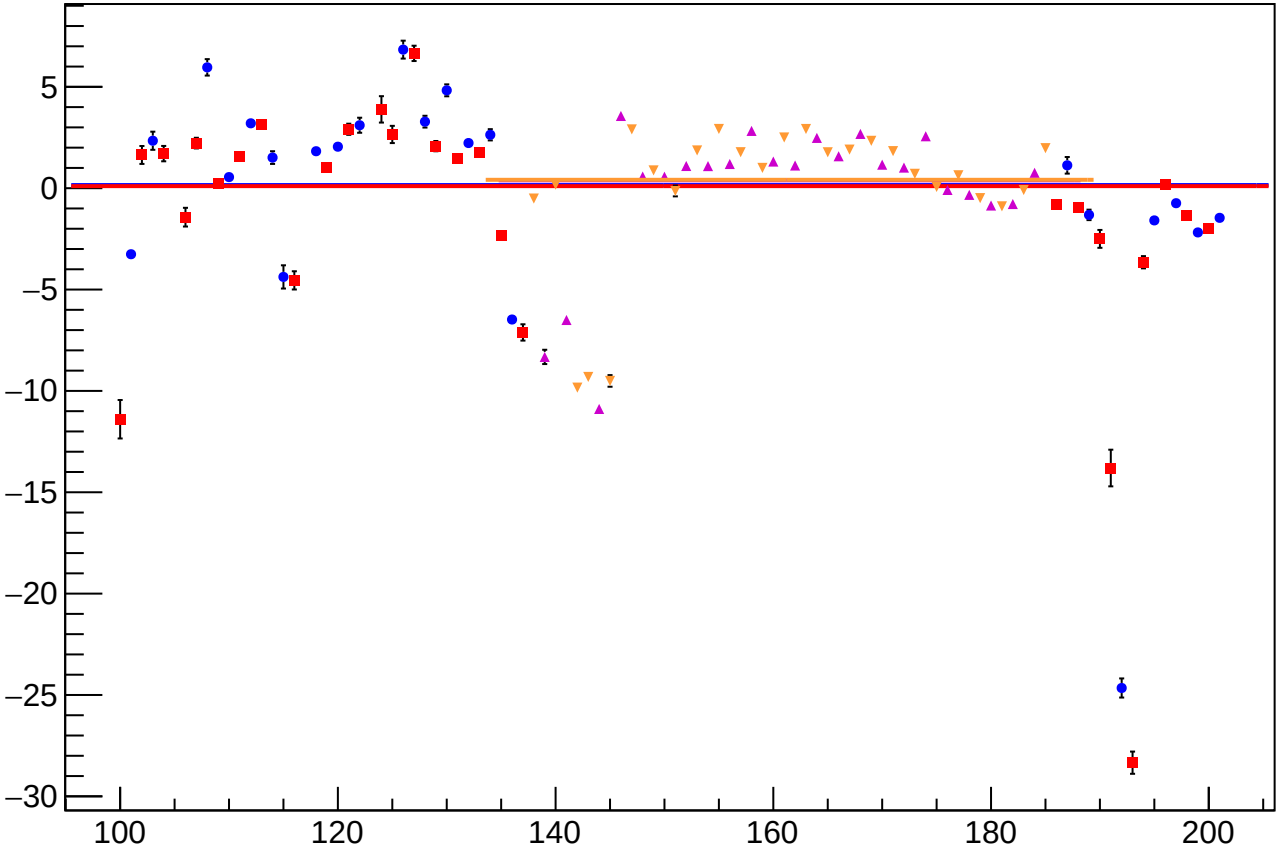
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.182+/-0.030 χ^2/NDF: 296218.1/47

All: 0.880+/-0.020 χ^2/NDF: 548075.9/98

- sign 0.624+/-0.028 χ^2/NDF: 251669.2/50

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: 0.102+/-0.047 χ^2/NDF: 5191.7/27

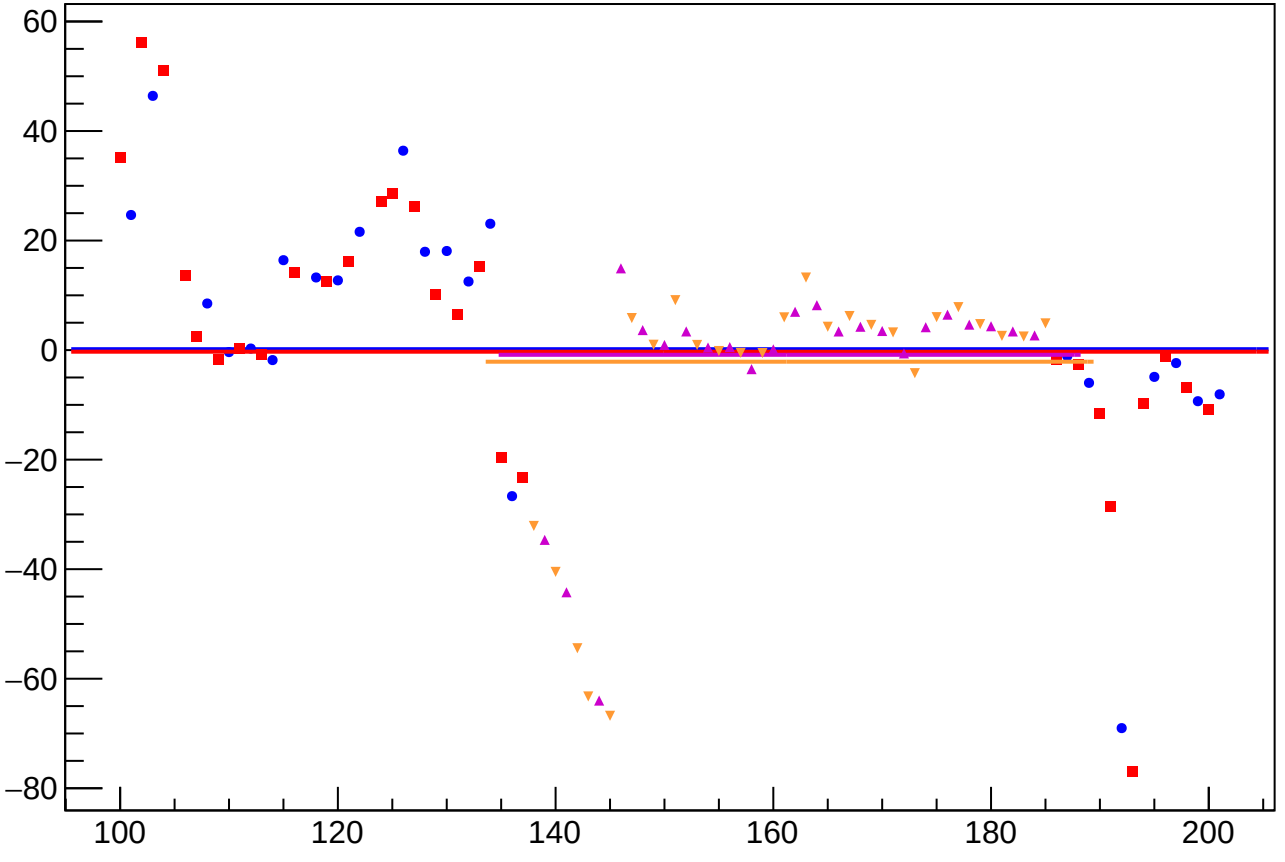
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.335+/-0.027 χ^2/NDF: 13014.3/47

All: 0.317+/-0.019 χ^2/NDF: 25347.0/98

- sign 0.300+/-0.026 χ^2/NDF: 12331.8/50

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: -0.292+/-0.041 χ^2/NDF: 117664.2/27

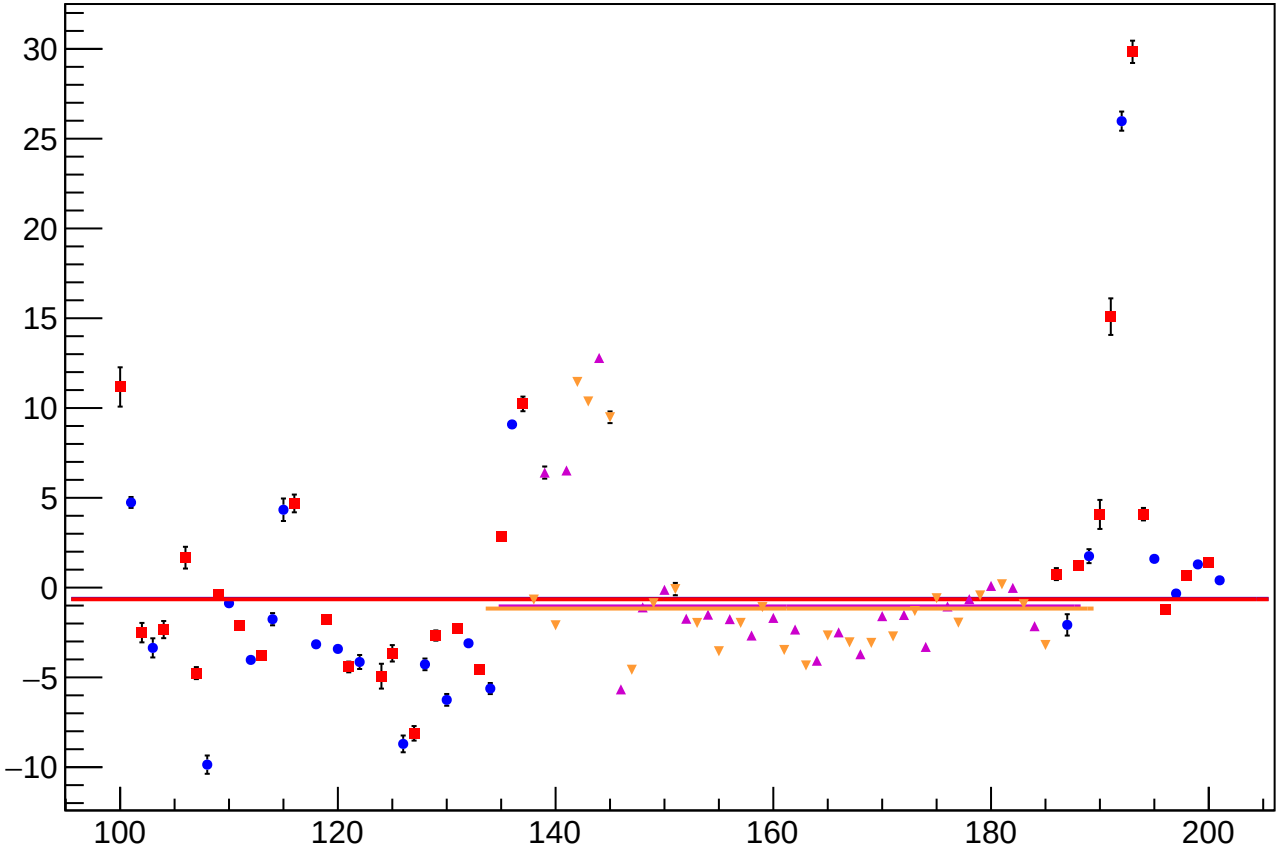
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -1.152+/-0.030 χ^2/NDF: 289327.2/47

All: -0.849+/-0.021 χ^2/NDF: 536360.9/98

- sign -0.587+/-0.028 χ^2/NDF: 246849.0/50

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

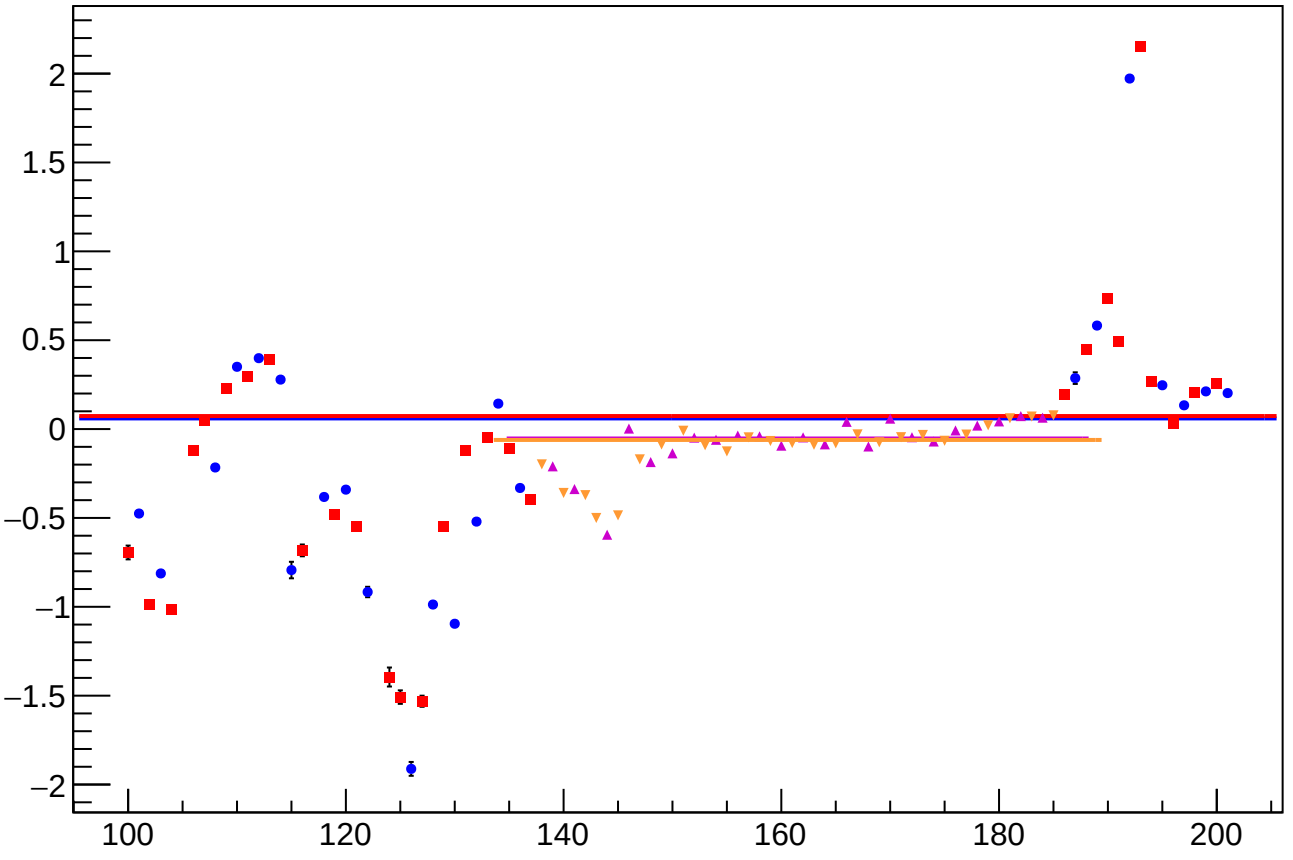
Right Out: -0.649+/-0.055 χ^2/NDF: 5727.1/27

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.018+/-0.031 χ^2/NDF: 14480.2/47

All: -0.974+/-0.021 χ^2/NDF: 27289.7/98

- sign -0.934+/-0.029 χ^2/NDF: 12805.6/50



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: 0.073+/-0.003 χ^2/NDF: 34197.2/27

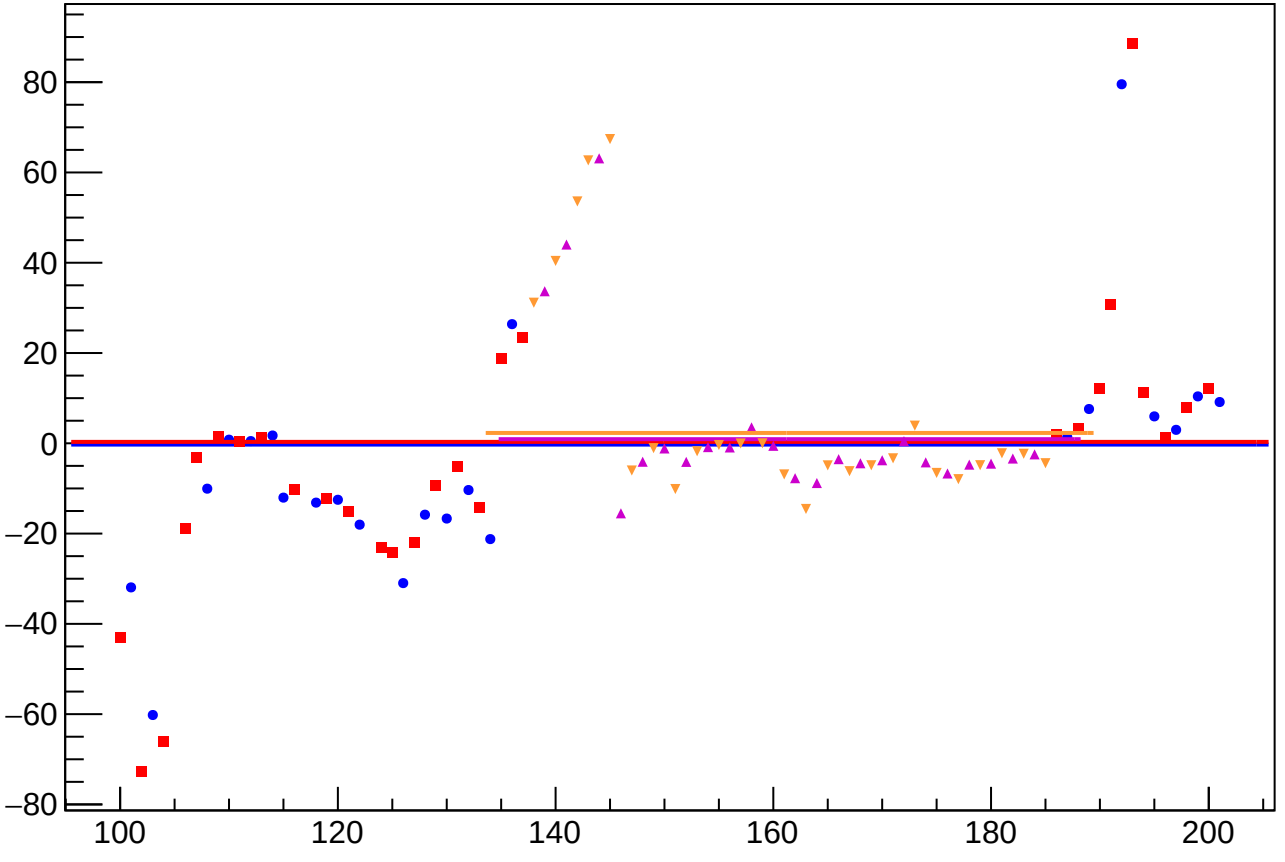
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.029+/-0.001 χ^2/NDF: 41128.8/47

All: -0.026+/-0.001 χ^2/NDF: 82109.3/98

- sign -0.022+/-0.001 χ^2/NDF: 40965.1/50

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: 0.316+/-0.038 χ^2/NDF: 119179.4/27

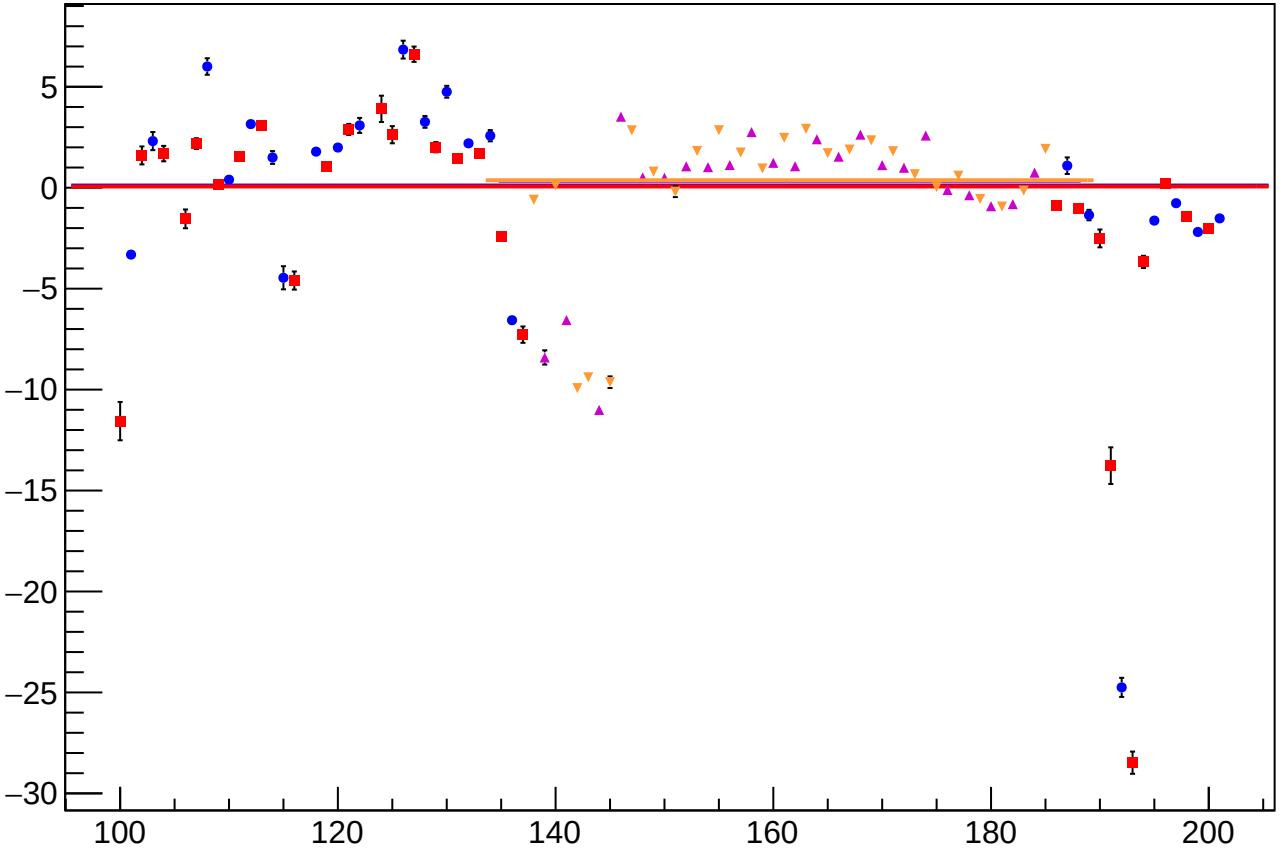
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.155+/-0.030 χ^2/NDF: 296690.2/47

All: 0.854+/-0.020 χ^2/NDF: 548743.4/98

- sign 0.601+/-0.028 χ^2/NDF: 251869.5/50

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: 0.063+/-0.047 χ^2/NDF: 5189.6/27

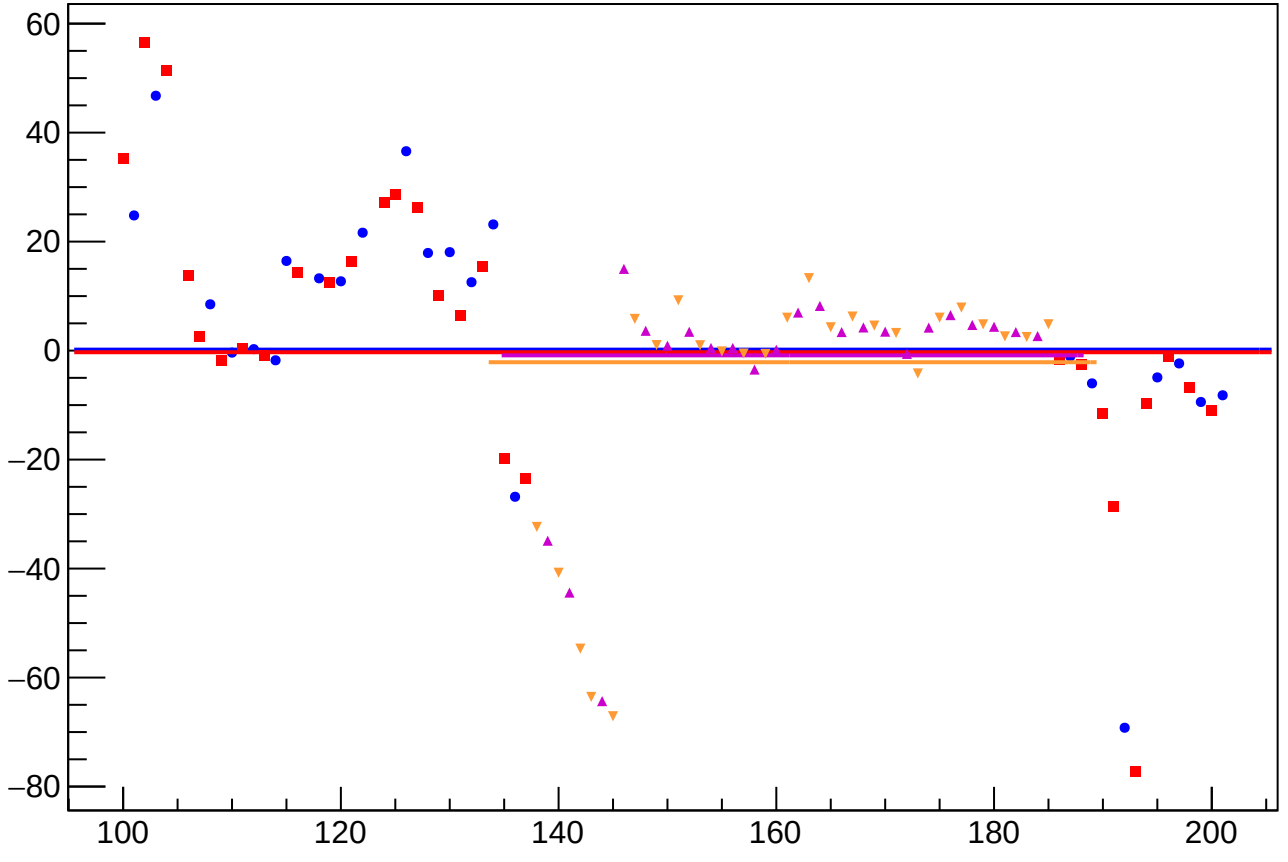
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.289+/-0.028 χ^2/NDF: 13019.1/47

All: 0.270+/-0.019 χ^2/NDF: 25327.2/98

- sign 0.253+/-0.026 χ^2/NDF: 12307.2/50

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: -0.299+/-0.041 χ^2/NDF: 117718.6/27

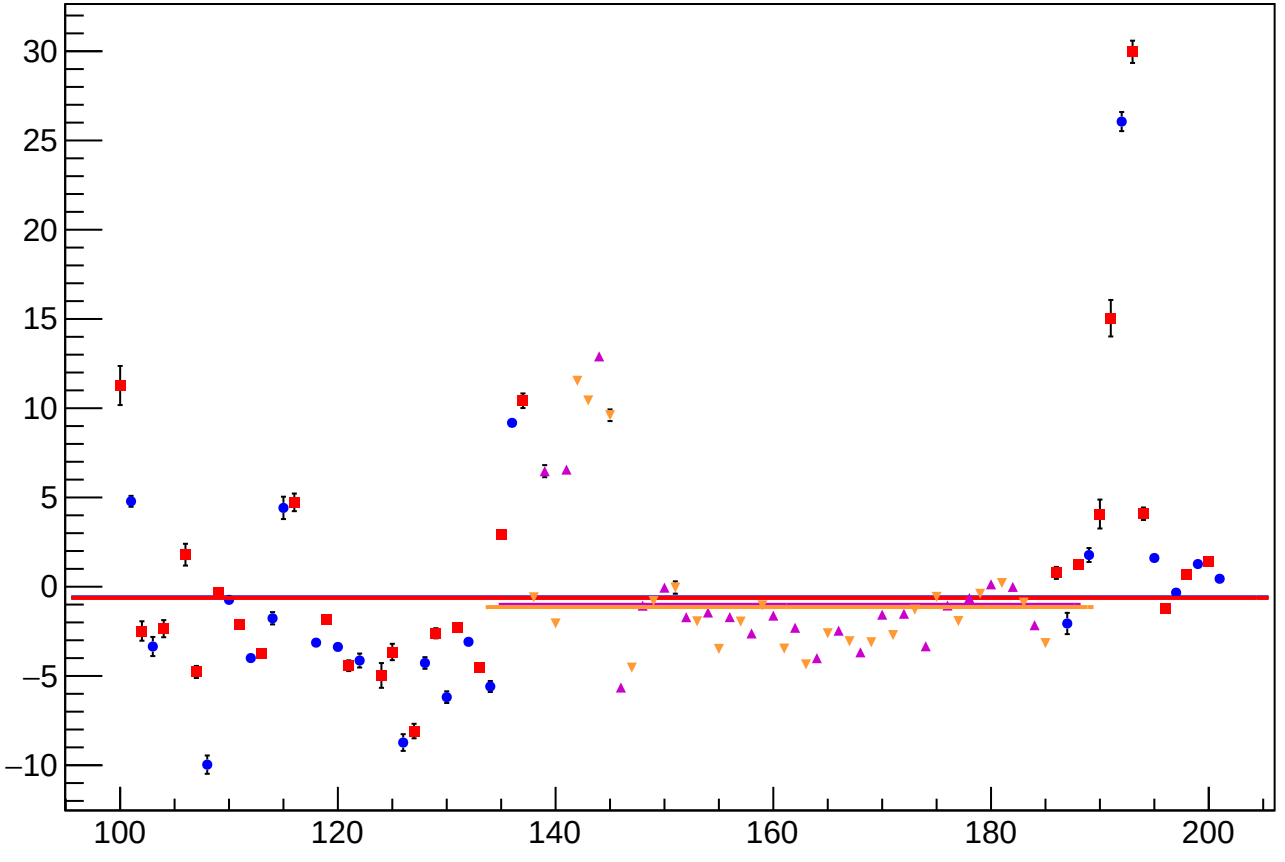
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.158+/-0.031 χ^2/NDF: 289807.5/47

All: -0.856+/-0.021 χ^2/NDF: 537071.6/98

- sign -0.597+/-0.028 χ^2/NDF: 247083.5/50

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

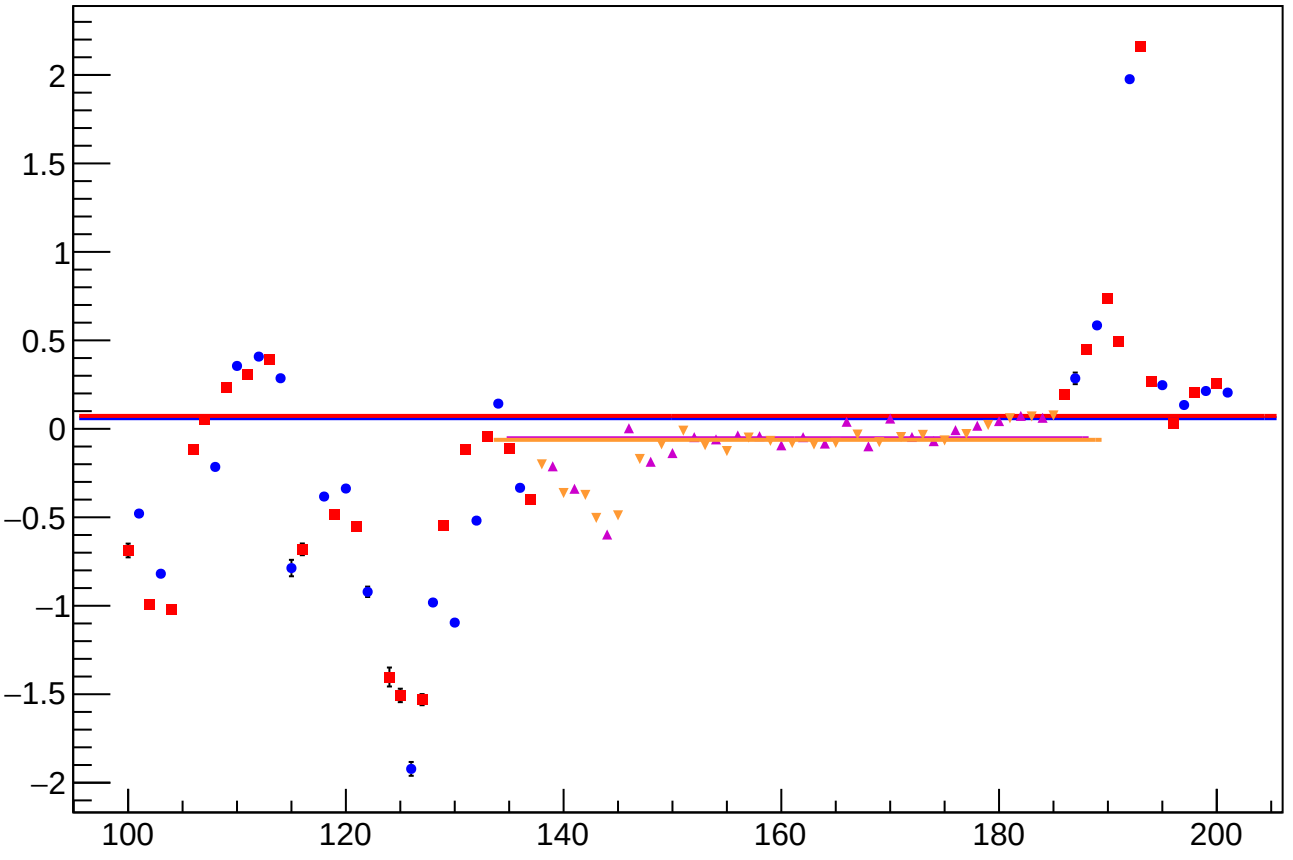
Right Out: -0.628+/-0.055 χ^2/NDF: 5736.1/27

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -0.989+/-0.031 χ^2/NDF: 14494.5/47

All: -0.944+/-0.021 χ^2/NDF: 27296.7/98

- sign -0.904+/-0.029 χ^2/NDF: 12798.2/50



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: 0.073+/-0.003 χ^2/NDF: 34156.3/27

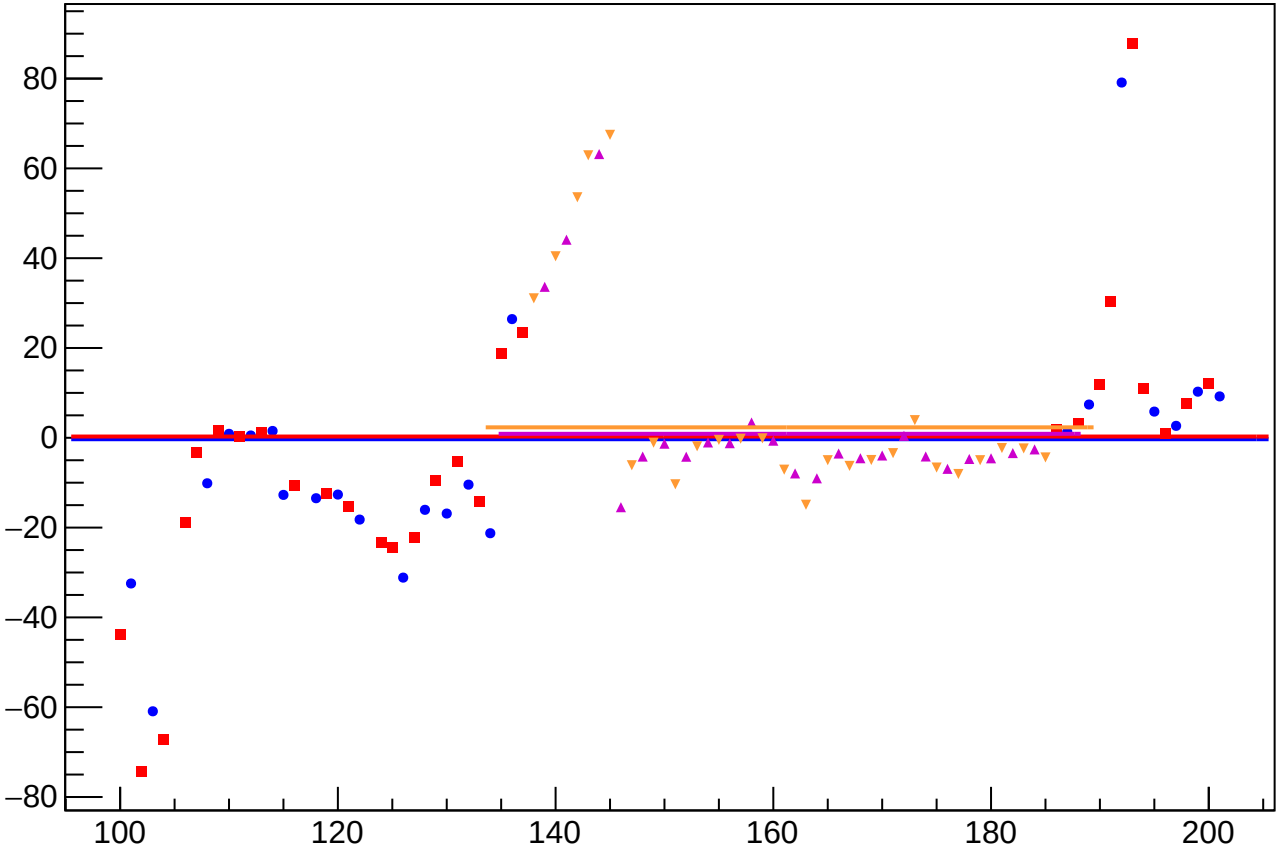
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.030+/-0.001 χ^2/NDF: 41143.7/47

All: -0.026+/-0.001 χ^2/NDF: 82057.3/98

- sign -0.022+/-0.001 χ^2/NDF: 40896.2/50

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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: 0.281+/-0.039 χ^2/NDF: 117567.2/27

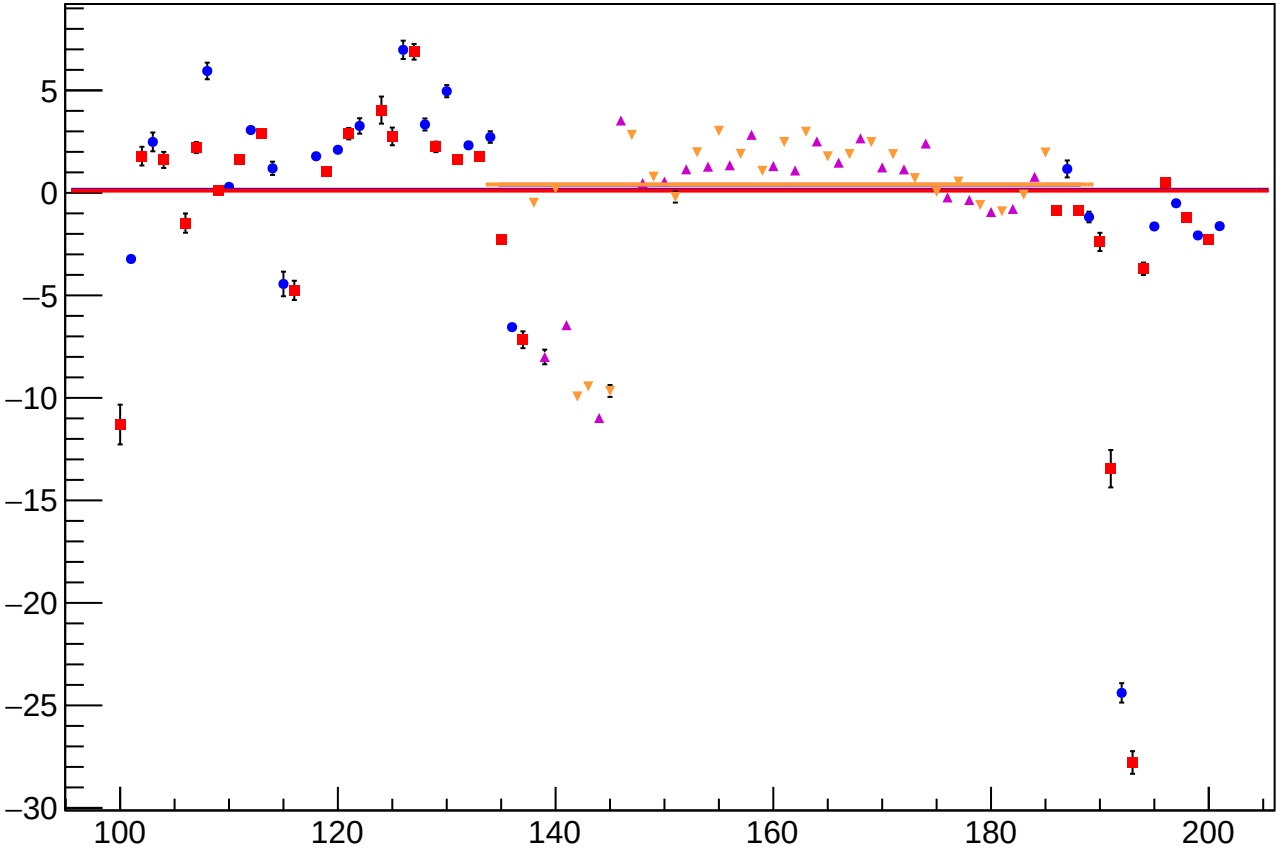
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.152+/-0.031 χ^2/NDF: 292382.7/47

All: 0.837+/-0.021 χ^2/NDF: 540678.6/98

- sign 0.570+/-0.028 χ^2/NDF: 248099.9/50

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: 0.111+/-0.048 χ^2/NDF: 4988.5/27

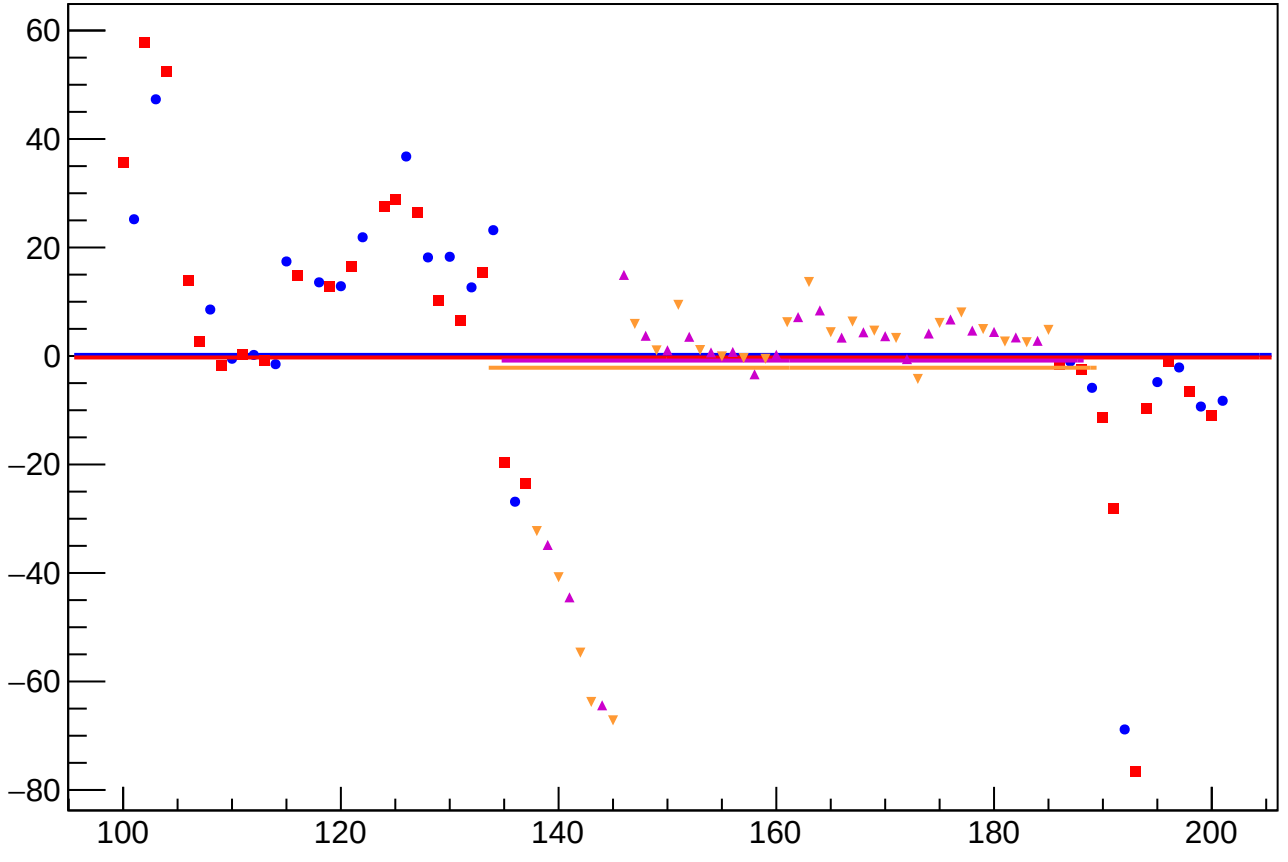
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.332+/-0.028 χ^2/NDF: 12843.0/47

All: 0.319+/-0.019 χ^2/NDF: 24788.4/98

- sign 0.308+/-0.027 χ^2/NDF: 11945.0/50

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: -0.272+/-0.042 χ^2/NDF: 116116.7/27

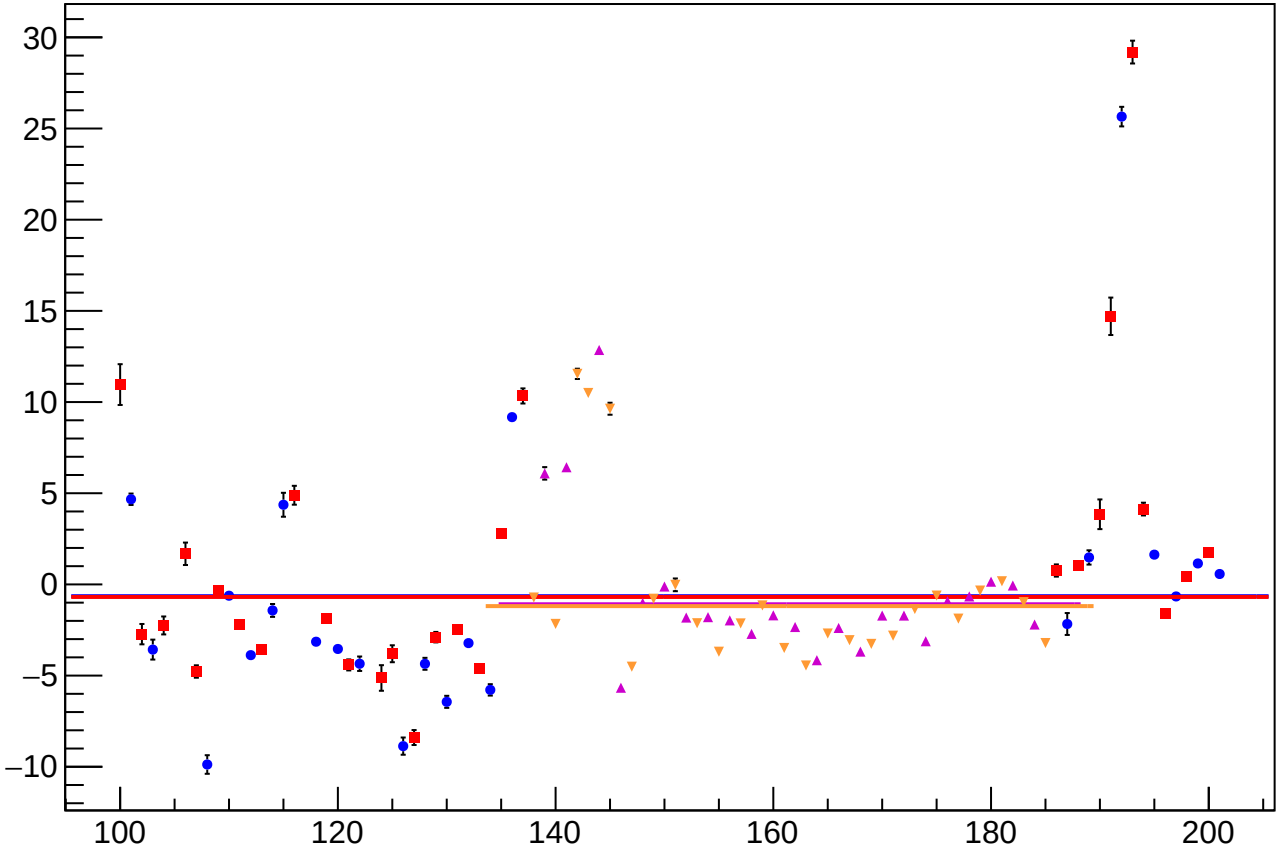
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.157+/-0.031 χ^2/NDF: 285581.1/47

All: -0.840+/-0.021 χ^2/NDF: 529124.0/98

- sign -0.567+/-0.029 χ^2/NDF: 243349.4/50

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.647+/-0.060 χ^2/NDF: 7252.9/22

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

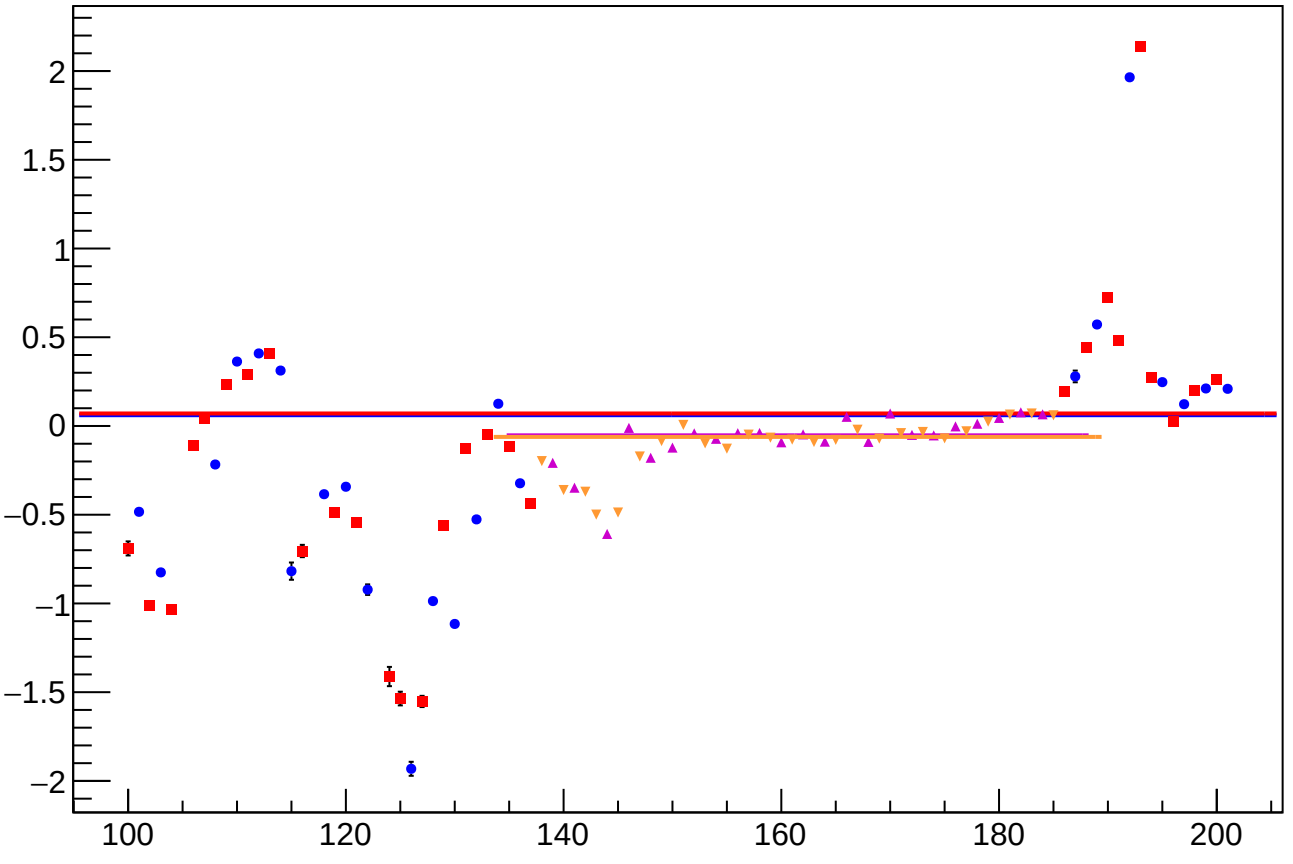
Right Out: -0.687+/-0.056 χ^2/NDF: 5541.3/27

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.040+/-0.031 χ^2/NDF: 14308.7/47

All: -1.005+/-0.022 χ^2/NDF: 26729.7/98

- sign -0.974+/-0.030 χ^2/NDF: 12418.7/50



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: 0.070+/-0.003 χ^2/NDF: 33713.1/27

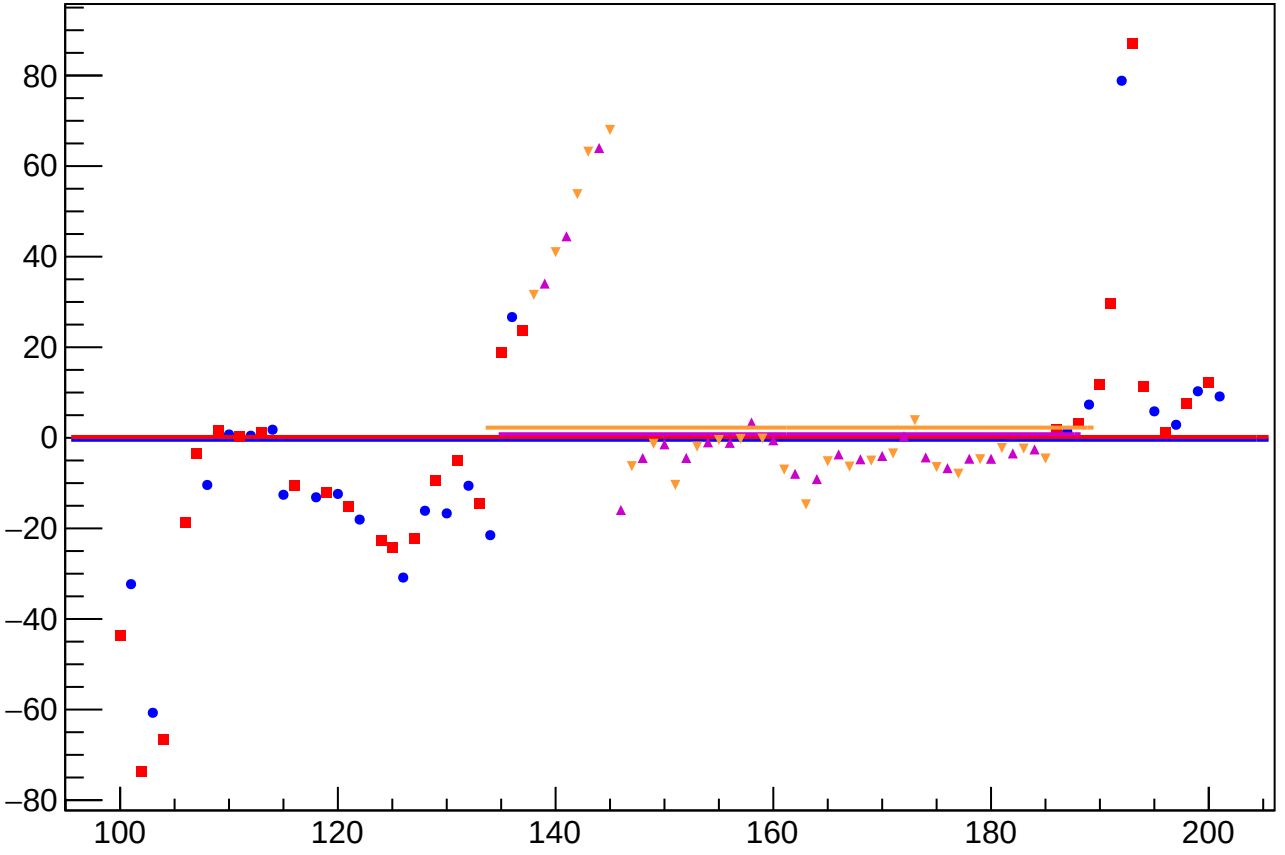
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.029+/-0.001 χ^2/NDF: 40225.7/47

All: -0.026+/-0.001 χ^2/NDF: 80602.8/98

- sign -0.022+/-0.001 χ^2/NDF: 40363.5/50

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: 0.190+/-0.040 χ^2/NDF: 115383.1/27

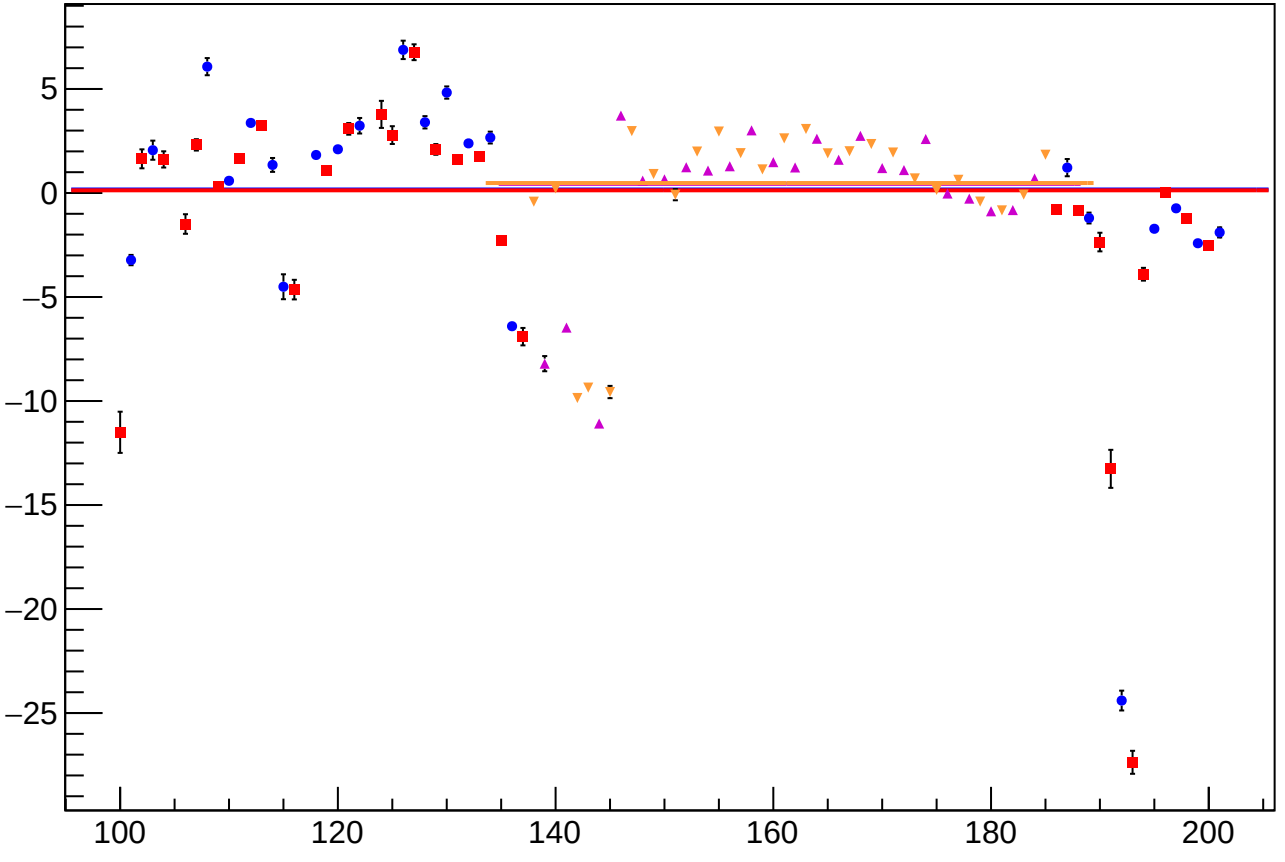
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 1.069+/-0.031 χ^2/NDF: 287664.4/47

All: 0.752+/-0.021 χ^2/NDF: 532181.0/98

- sign 0.482+/-0.029 χ^2/NDF: 244322.5/50

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: 0.129+/-0.048 χ^2/NDF: 4902.6/27

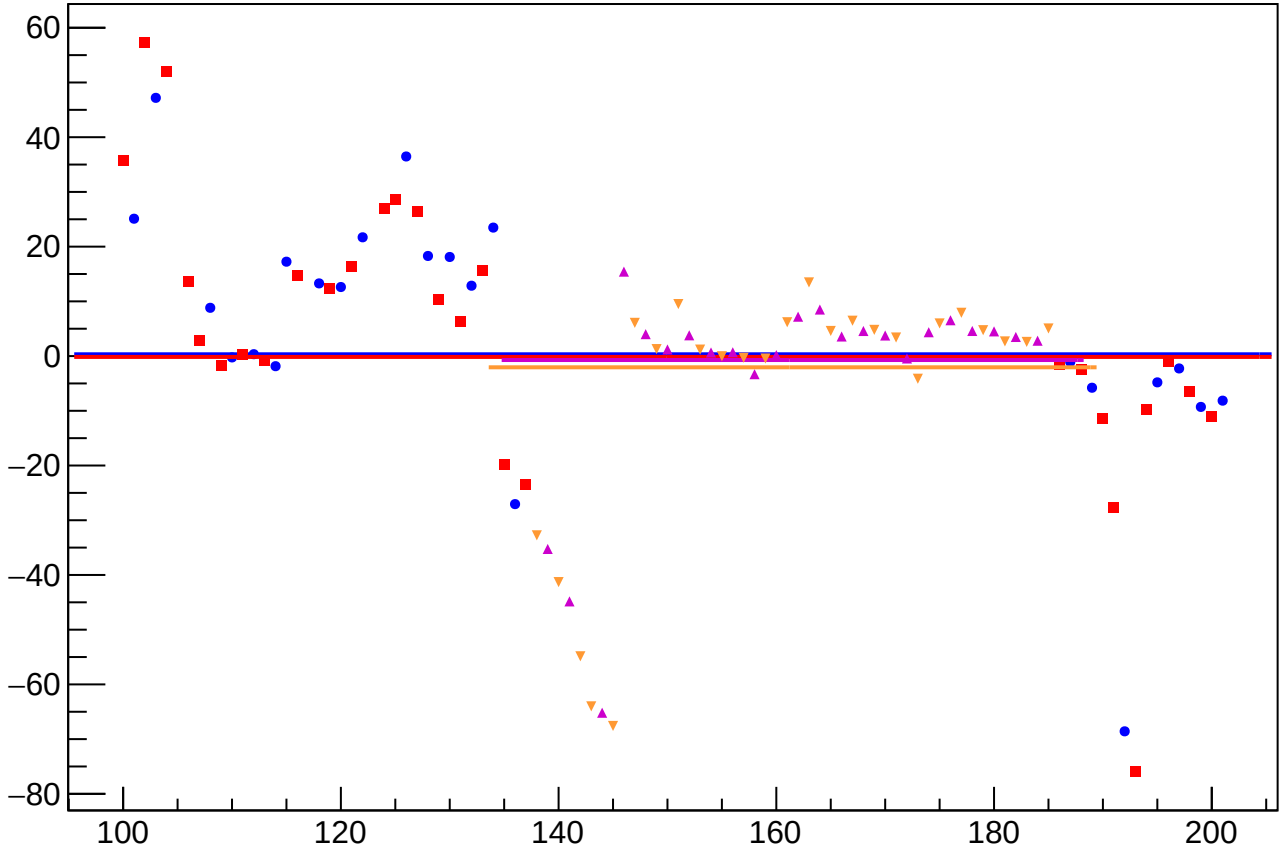
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.385+/-0.028 χ^2/NDF: 12599.5/47

All: 0.363+/-0.019 χ^2/NDF: 24425.4/98

- sign 0.344+/-0.027 χ^2/NDF: 11824.8/50

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: -0.153+/-0.042 χ^2/NDF: 113955.2/27

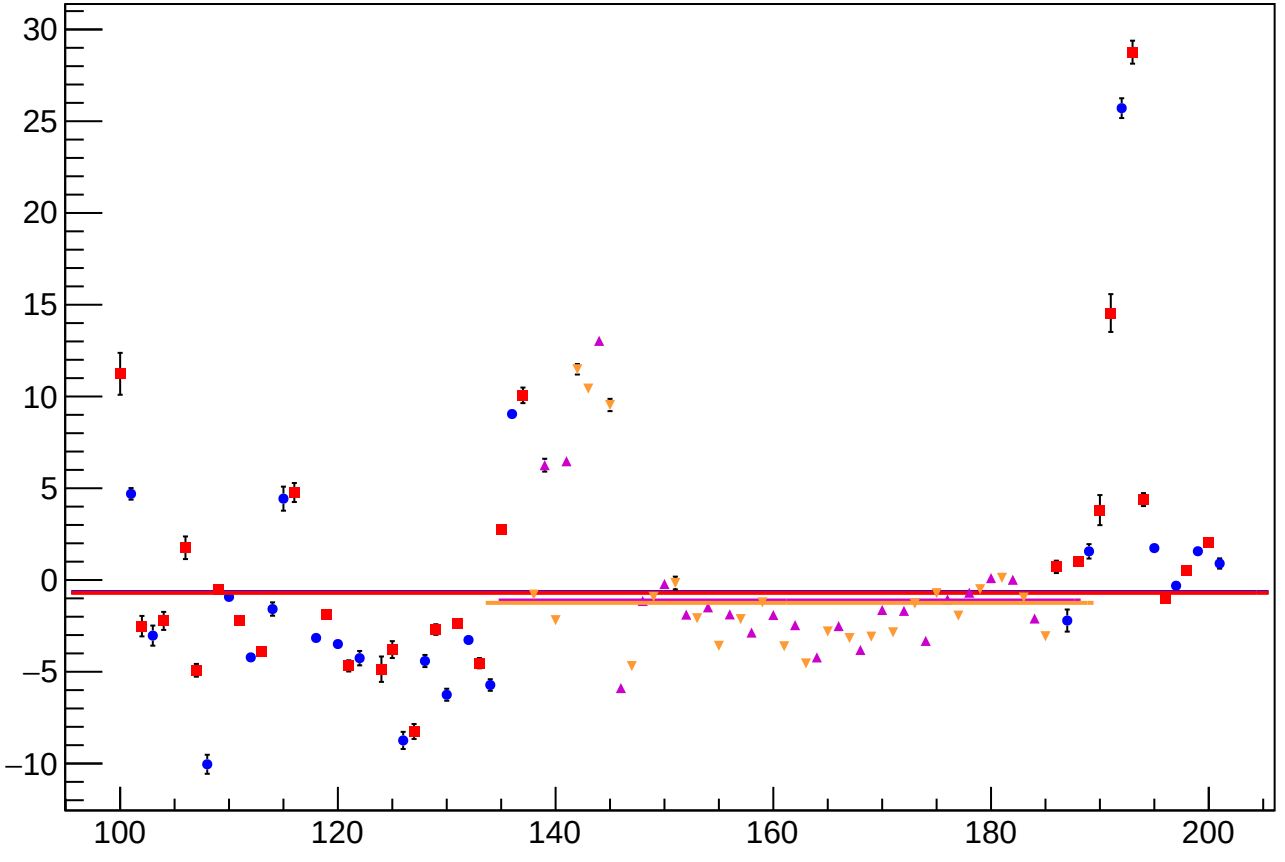
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.043+/-0.031 χ^2/NDF: 280833.9/47

All: -0.724+/-0.021 χ^2/NDF: 520606.2/98

- sign -0.448+/-0.029 χ^2/NDF: 239580.2/50

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

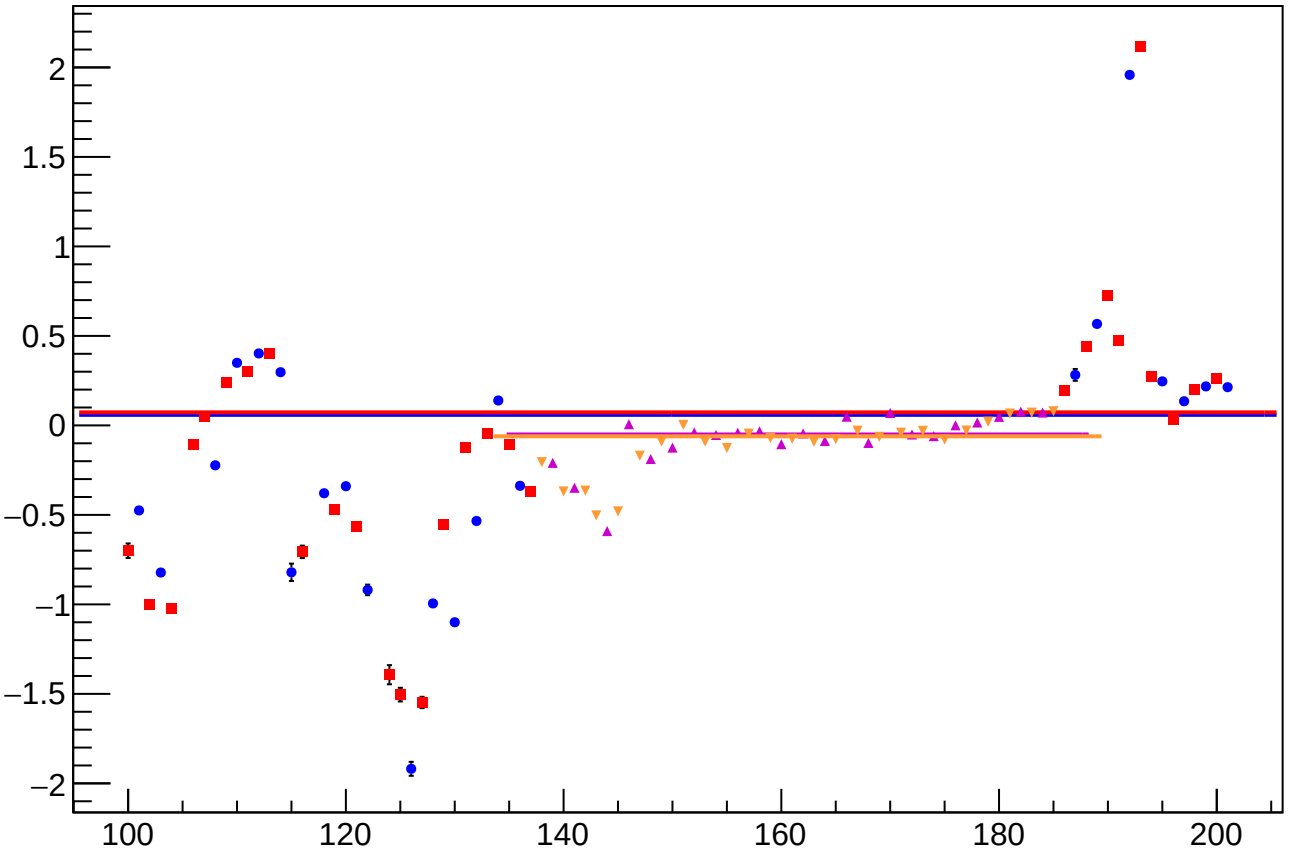
Right Out: -0.699+/-0.057 χ^2/NDF: 5409.0/27

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.082+/-0.032 χ^2/NDF: 13986.4/47

All: -1.038+/-0.022 χ^2/NDF: 26277.8/98

- sign -0.998+/-0.030 χ^2/NDF: 12287.7/50



Right In: 0.059+/-0.003 χ^2/NDF: 32800.4/22

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

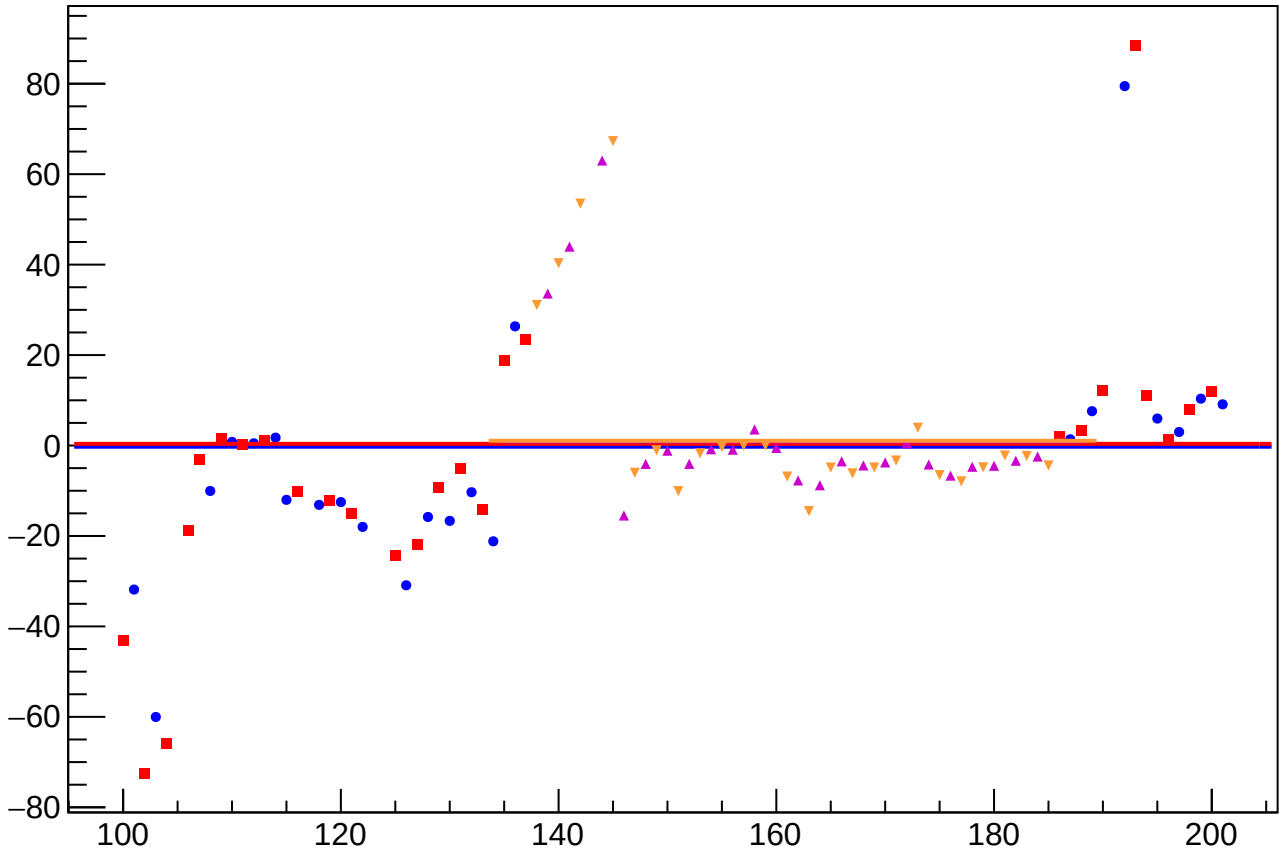
Right Out: 0.073+/-0.003 χ^2/NDF: 32821.4/27

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.029+/-0.001 χ^2/NDF: 39700.6/47

All: -0.025+/-0.001 χ^2/NDF: 78999.9/98

- sign -0.020+/-0.001 χ^2/NDF: 39277.5/50



Right In: -0.262+/-0.045 χ^2/NDF: 117902.4/22

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

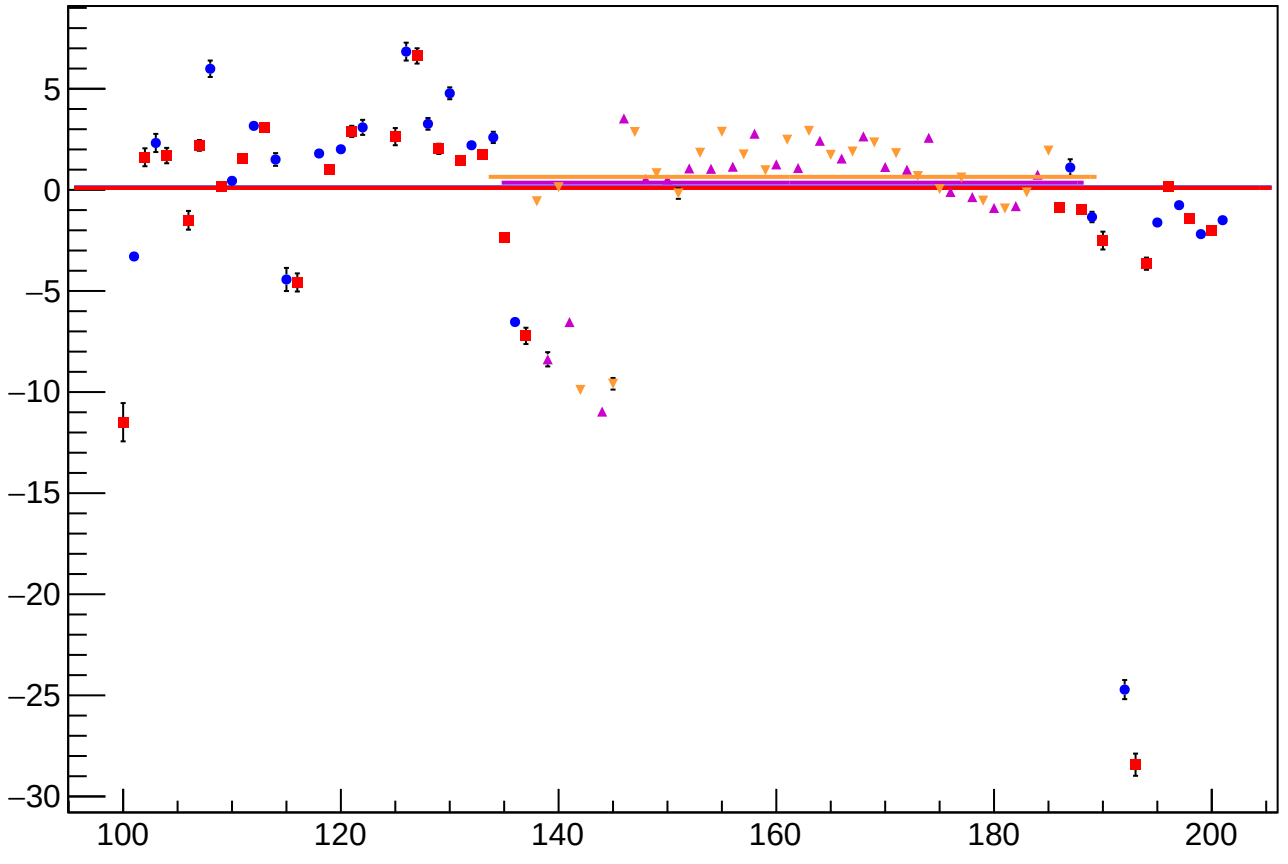
Right Out: 0.370+/-0.038 χ^2/NDF: 116507.9/25

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 0.464+/-0.030 χ^2/NDF: 249404.3/46

All: 0.554+/-0.020 χ^2/NDF: 498832.9/95

- sign 0.630+/-0.028 χ^2/NDF: 249412.1/48



Right In: 0.122+/-0.050 χ^2/NDF: 5948.7/22

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

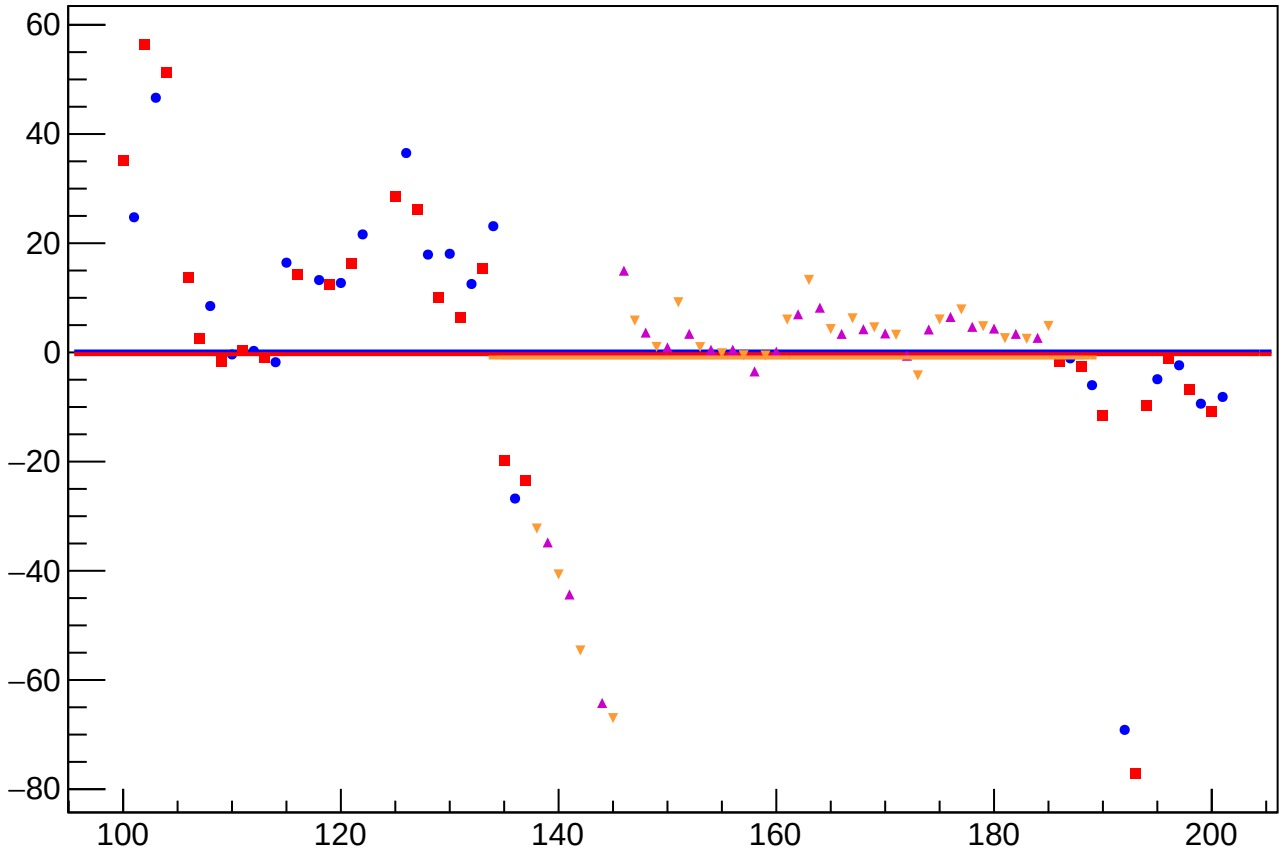
Right Out: 0.095+/-0.047 χ^2/NDF: 4931.3/25

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.484+/-0.028 χ^2/NDF: 10735.4/46

All: 0.374+/-0.019 χ^2/NDF: 22834.9/95

- sign 0.276+/-0.026 χ^2/NDF: 12069.4/48



Right In: 0.167+/-0.047 χ^2/NDF: 117156.8/22

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

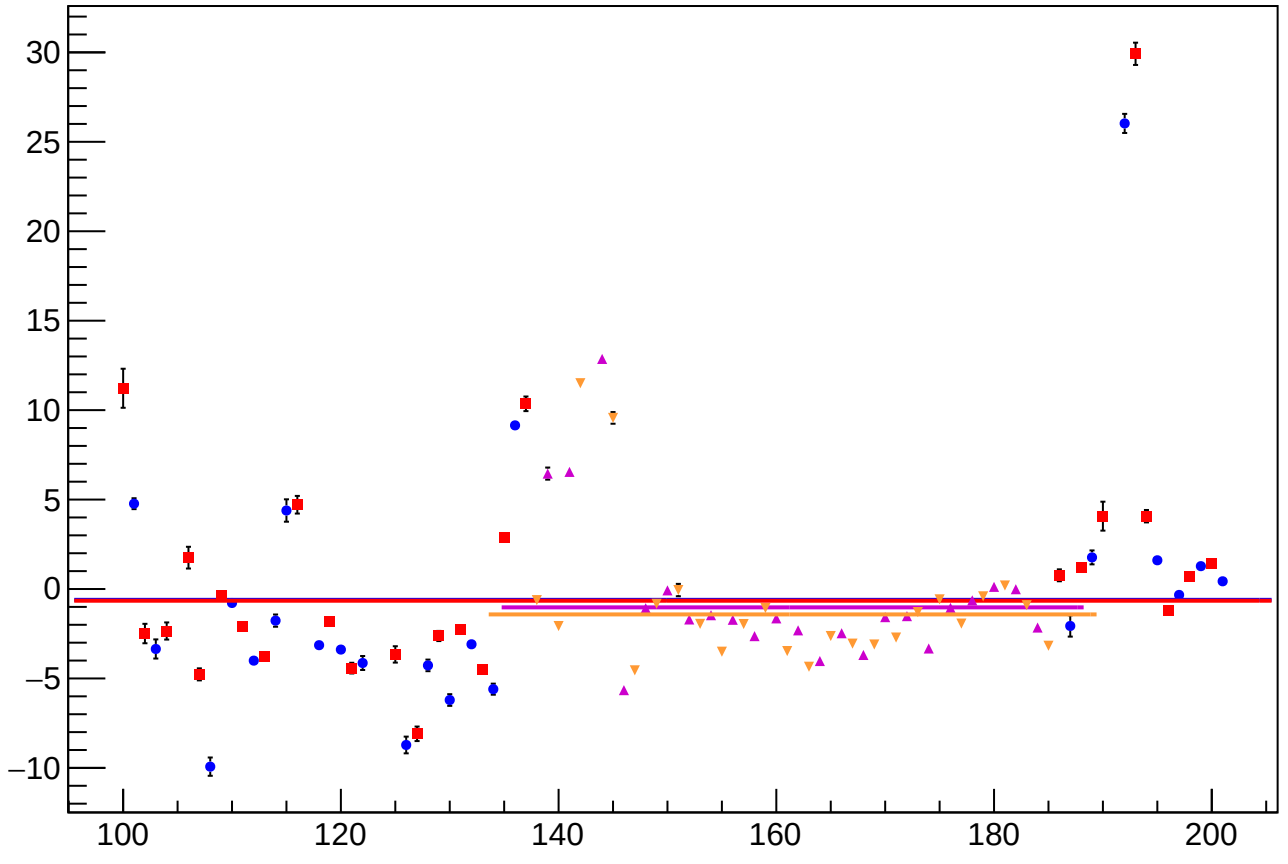
Right Out: -0.319+/-0.041 χ^2/NDF: 115131.6/25

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign -0.461+/-0.031 χ^2/NDF: 243847.7/46

All: -0.537+/-0.021 χ^2/NDF: 488566.7/95

- sign -0.602+/-0.028 χ^2/NDF: 244707.7/48



Right In: -0.605+/-0.059 χ^2/NDF: 7427.3/22

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

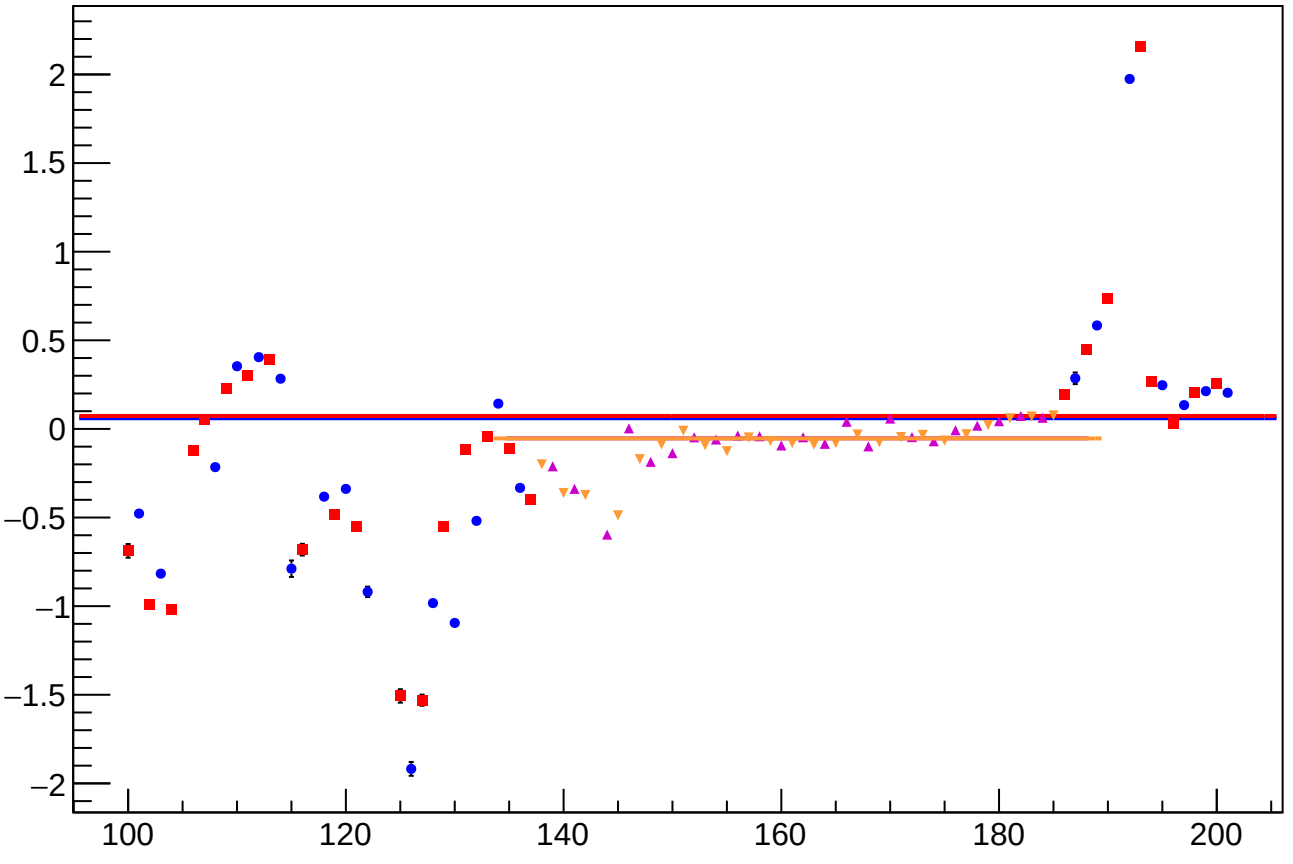
Right Out: -0.654+/-0.055 χ^2/NDF: 5468.9/25

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.191+/-0.031 χ^2/NDF: 12208.3/46

All: -1.049+/-0.021 χ^2/NDF: 24796.6/95

- sign -0.921+/-0.029 χ^2/NDF: 12548.4/48



Right In: 0.060+/-0.003 χ^2/NDF: 33920.1/22

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

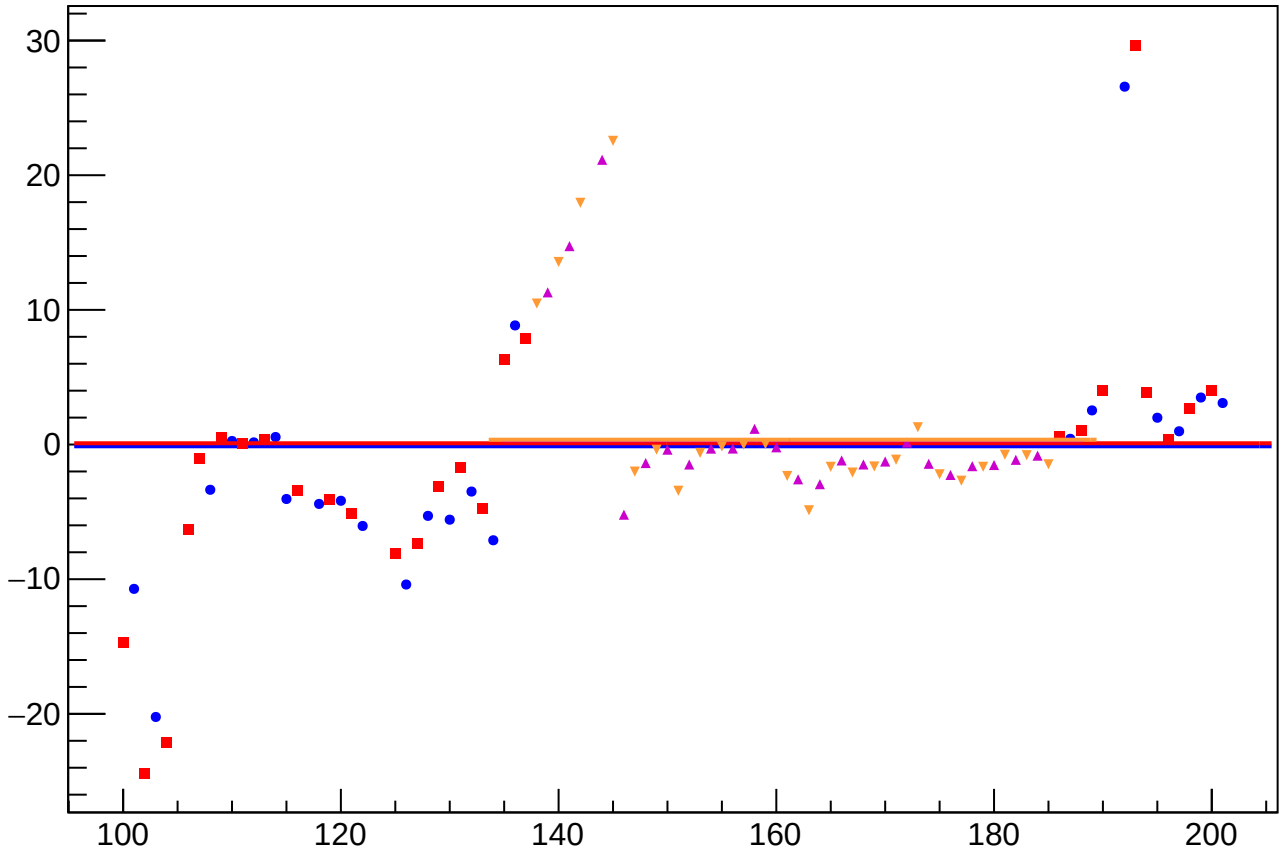
Right Out: 0.073+/-0.003 χ^2/NDF: 33246.4/25

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.024+/-0.001 χ^2/NDF: 39612.8/46

All: -0.023+/-0.001 χ^2/NDF: 79614.1/95

- sign -0.023+/-0.001 χ^2/NDF: 40001.0/48



Right In: -0.130+/-0.015 χ^2/NDF: 115819.5/22

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

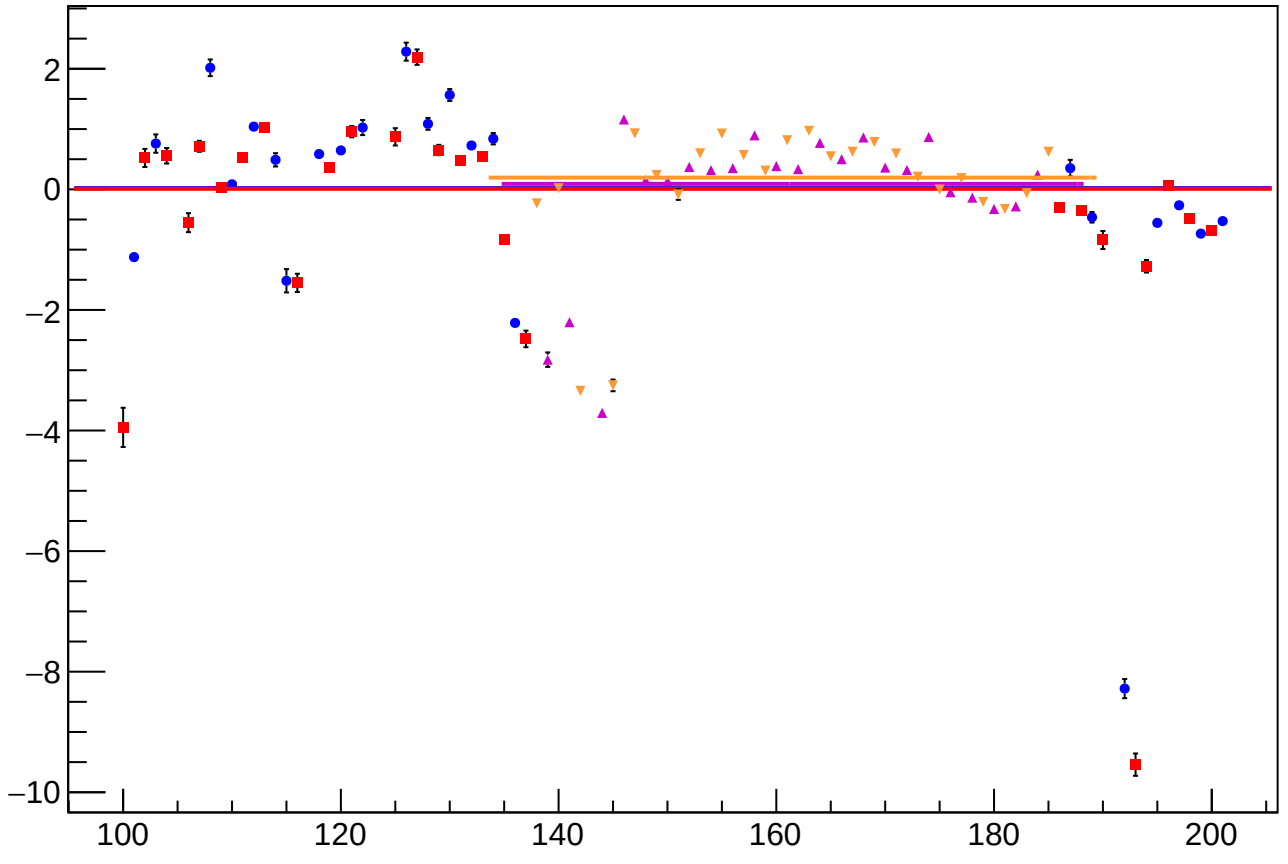
Right Out: 0.095+/-0.013 χ^2/NDF: 114697.8/25

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign 0.142+/-0.010 χ^2/NDF: 245201.2/46

All: 0.175+/-0.007 χ^2/NDF: 490279.5/95

- sign 0.202+/-0.009 χ^2/NDF: 245059.6/48



Right In: 0.020+/-0.017 χ^2/NDF: 5819.5/22

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

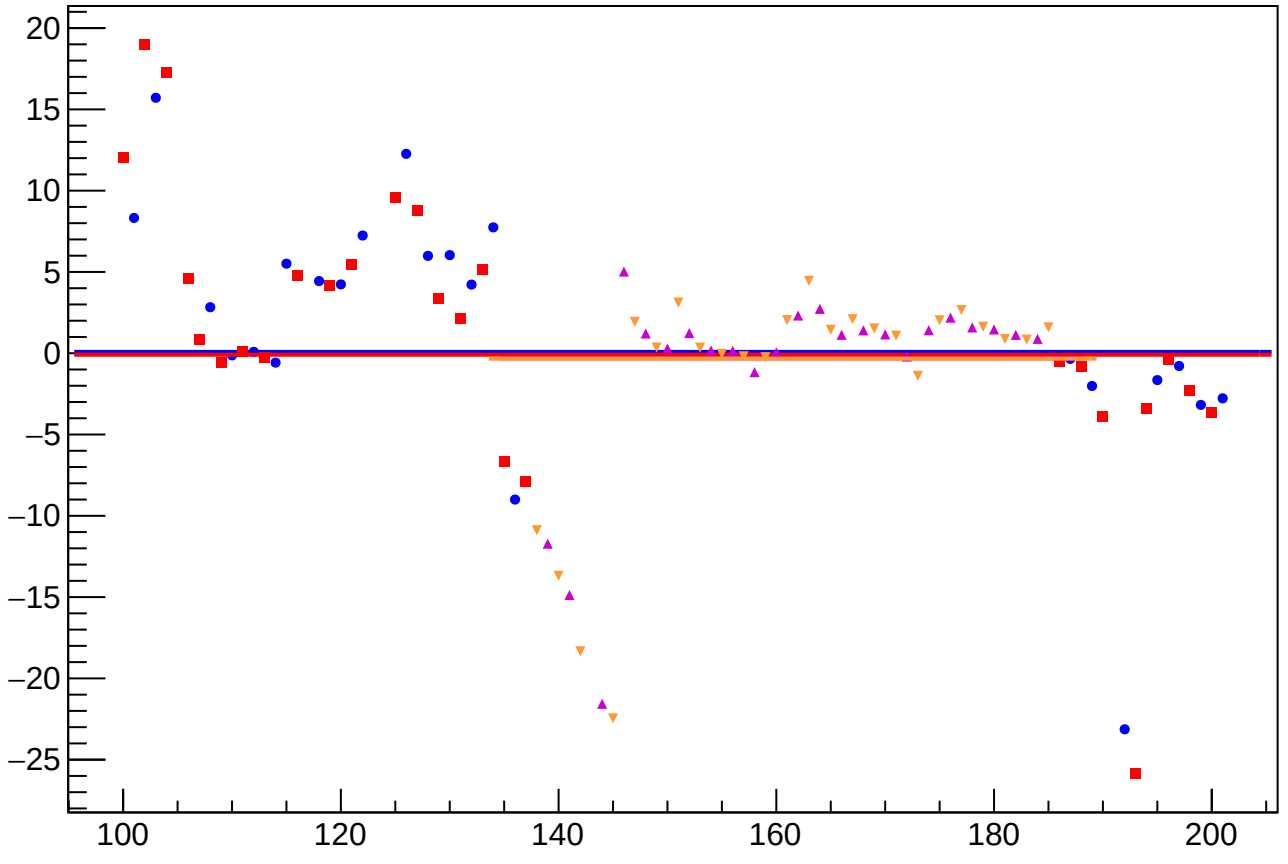
Right Out: 0.010+/-0.016 χ^2/NDF: 4844.9/25

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.141+/-0.009 χ^2/NDF: 10536.3/46

All: 0.102+/-0.007 χ^2/NDF: 22368.5/95

- sign 0.066+/-0.009 χ^2/NDF: 11798.8/48



Right In: 0.083+/-0.016 χ^2/NDF: 115109.1/22

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

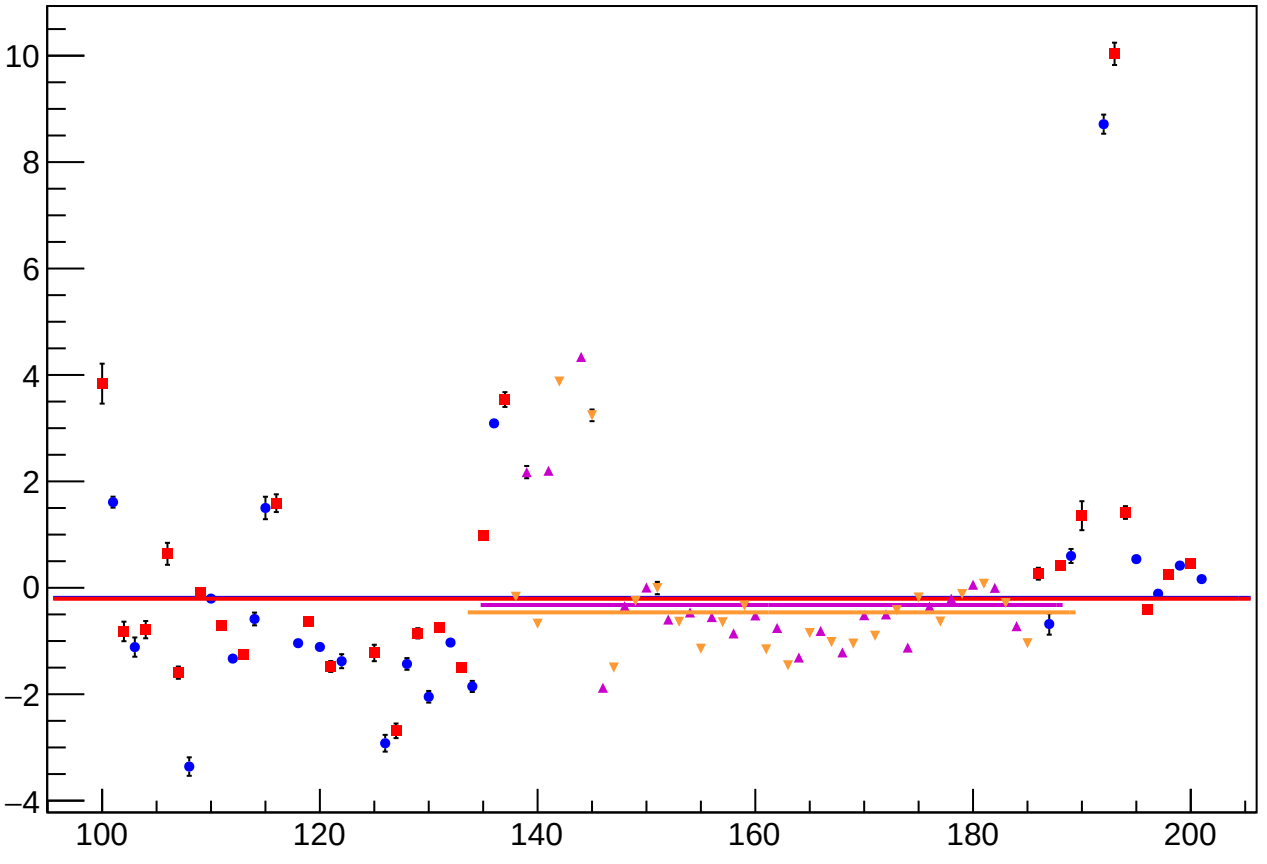
Right Out: -0.093+/-0.014 χ^2/NDF: 113368.6/25

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.156+/-0.011 χ^2/NDF: 239724.1/46

All: -0.184+/-0.007 χ^2/NDF: 480234.3/95

- sign -0.208+/-0.010 χ^2/NDF: 240496.8/48



Right In: -0.189+/-0.020 χ^2/NDF: 7270.1/22

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

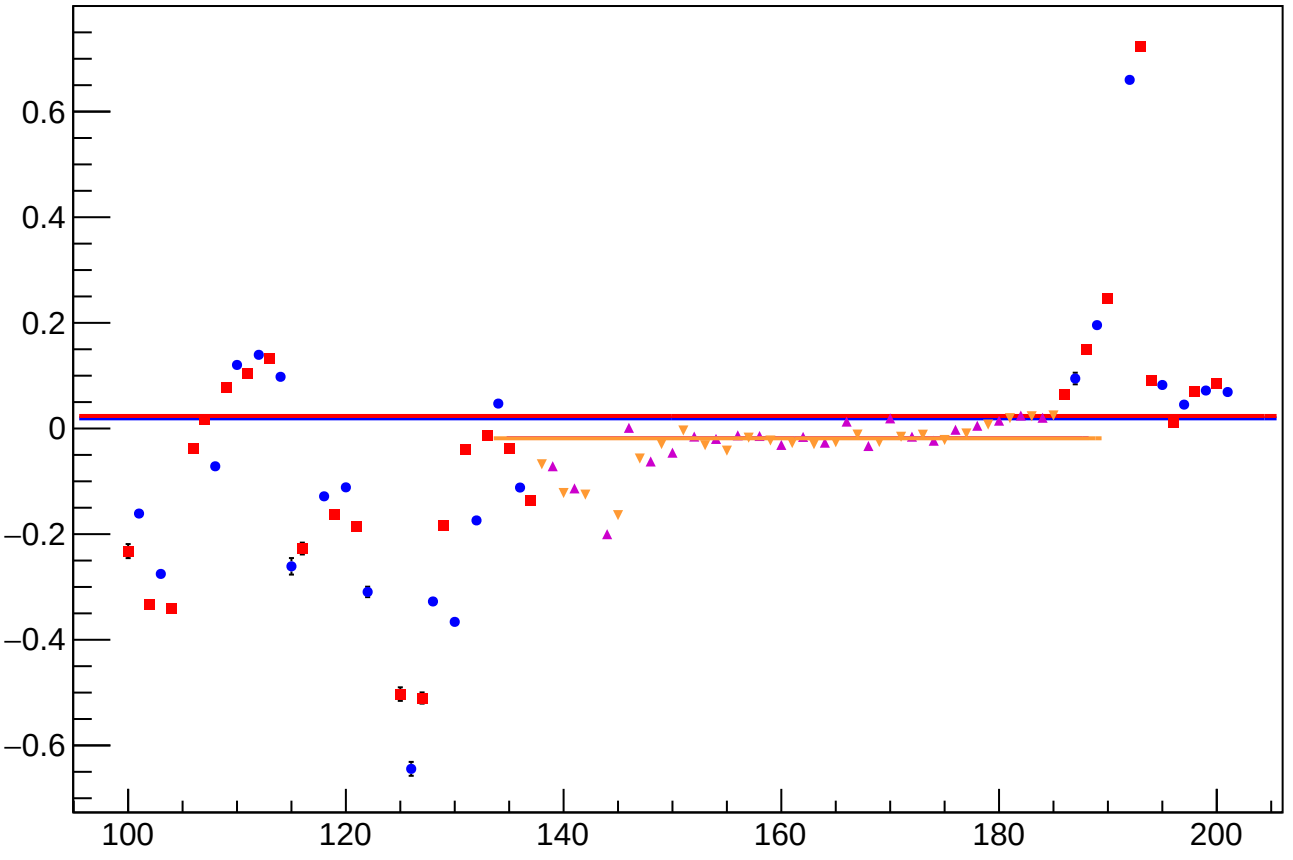
Right Out: -0.205+/-0.019 χ^2/NDF: 5379.2/25

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.385+/-0.011 χ^2/NDF: 11982.8/46

All: -0.335+/-0.007 χ^2/NDF: 24313.7/95

- sign -0.290+/-0.010 χ^2/NDF: 12288.4/48



Right In: 0.019+/-0.001 χ^2/NDF: 33343.9/22

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

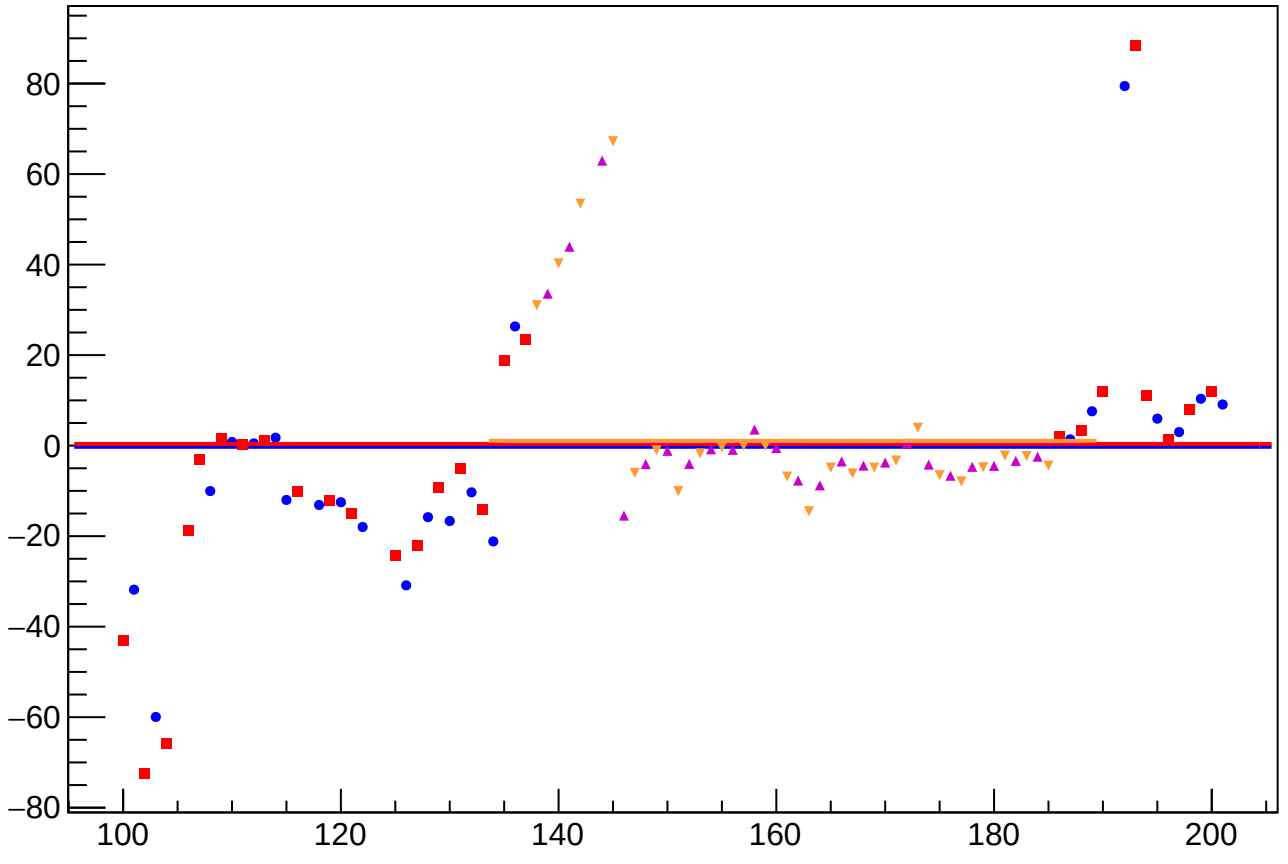
Right Out: 0.024+/-0.001 χ^2/NDF: 32637.5/25

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.009+/-0.000 χ^2/NDF: 38831.4/46

All: -0.008+/-0.000 χ^2/NDF: 77962.3/95

- sign -0.008+/-0.000 χ^2/NDF: 39129.7/48



Right In: -0.254+/-0.045 χ^2/NDF: 117926.1/22

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

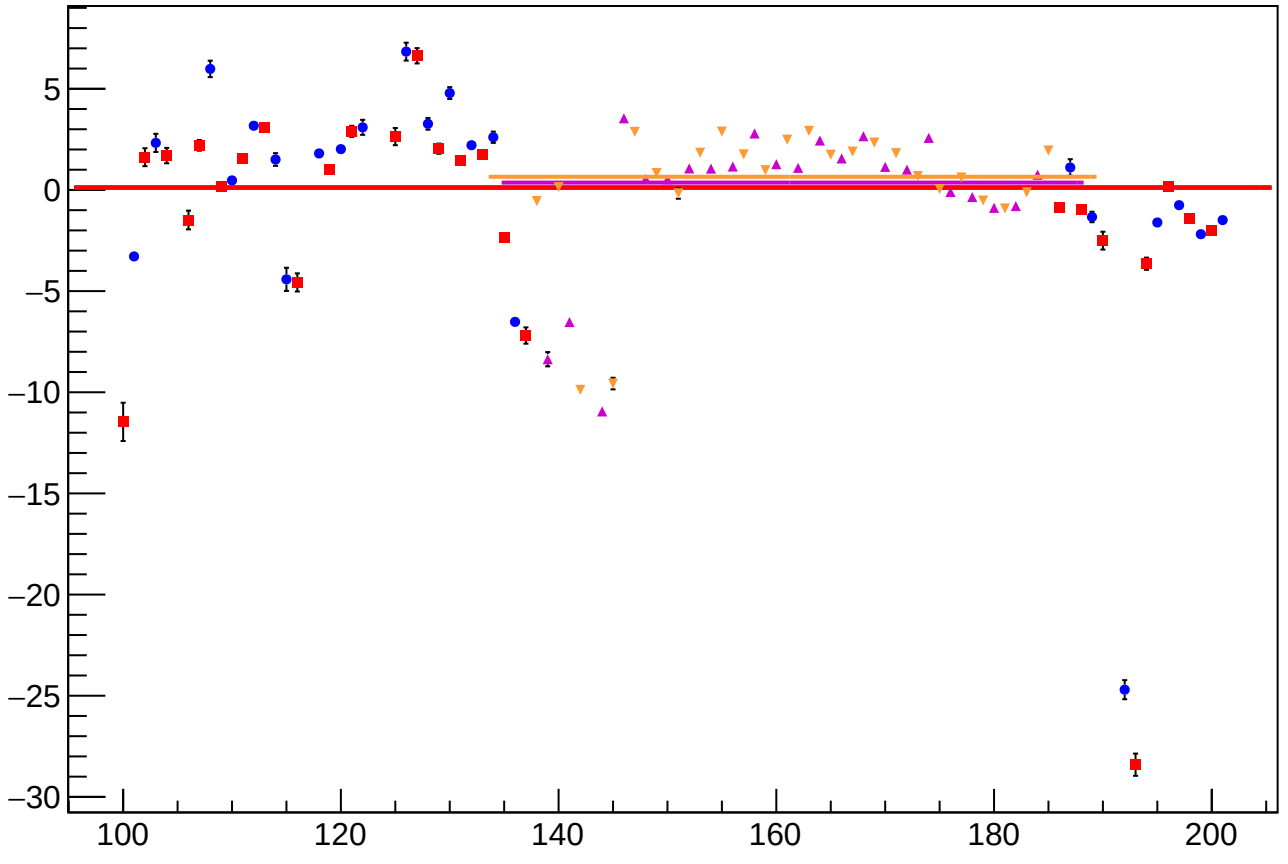
Right Out: 0.375+/-0.038 χ^2/NDF: 116526.6/25

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 0.470+/-0.030 χ^2/NDF: 249406.0/46

All: 0.559+/-0.020 χ^2/NDF: 498861.2/95

- sign 0.634+/-0.028 χ^2/NDF: 249438.9/48



Right In: 0.130+/-0.050 χ^2/NDF: 5952.8/22

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

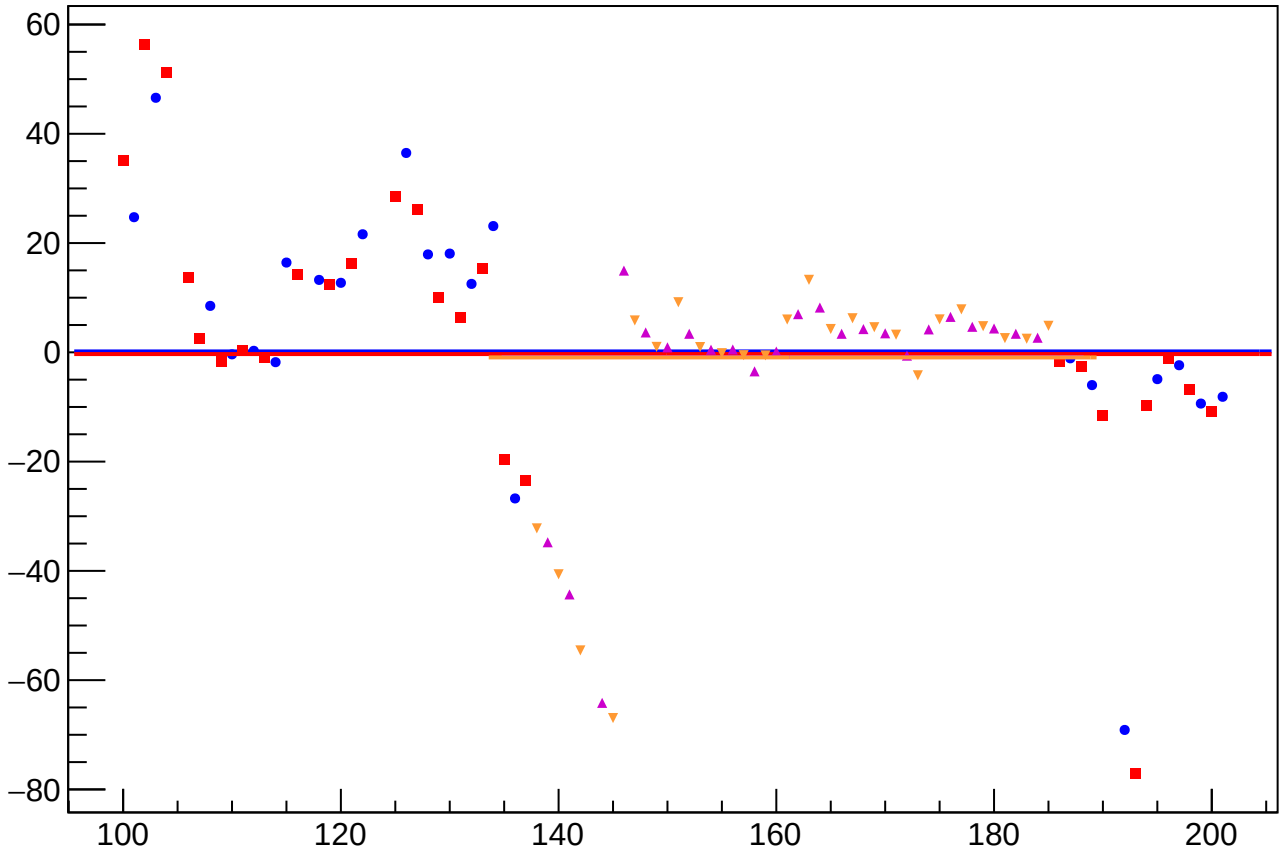
Right Out: 0.102+/-0.047 χ^2/NDF: 4932.2/25

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.492+/-0.028 χ^2/NDF: 10737.4/46

All: 0.382+/-0.019 χ^2/NDF: 22843.4/95

- sign 0.284+/-0.026 χ^2/NDF: 12076.1/48



Right In: 0.164+/-0.047 χ^2/NDF: 117177.8/22

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

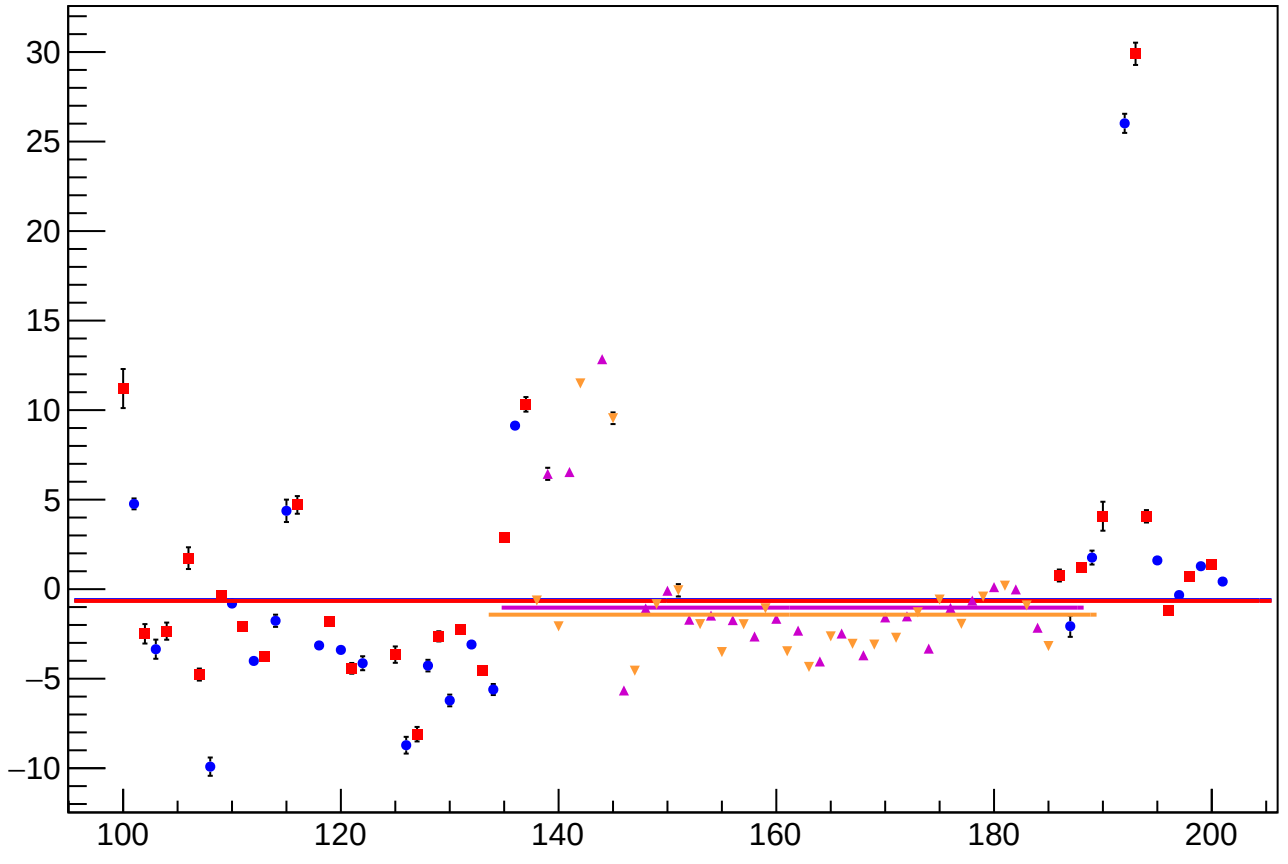
Right Out: -0.319+/-0.041 χ^2/NDF: 115146.3/25

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -0.461+/-0.031 χ^2/NDF: 243848.2/46

All: -0.536+/-0.021 χ^2/NDF: 488586.8/95

- sign -0.600+/-0.028 χ^2/NDF: 244727.4/48



Right In: -0.611+/-0.059 χ^2/NDF: 7430.5/22

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

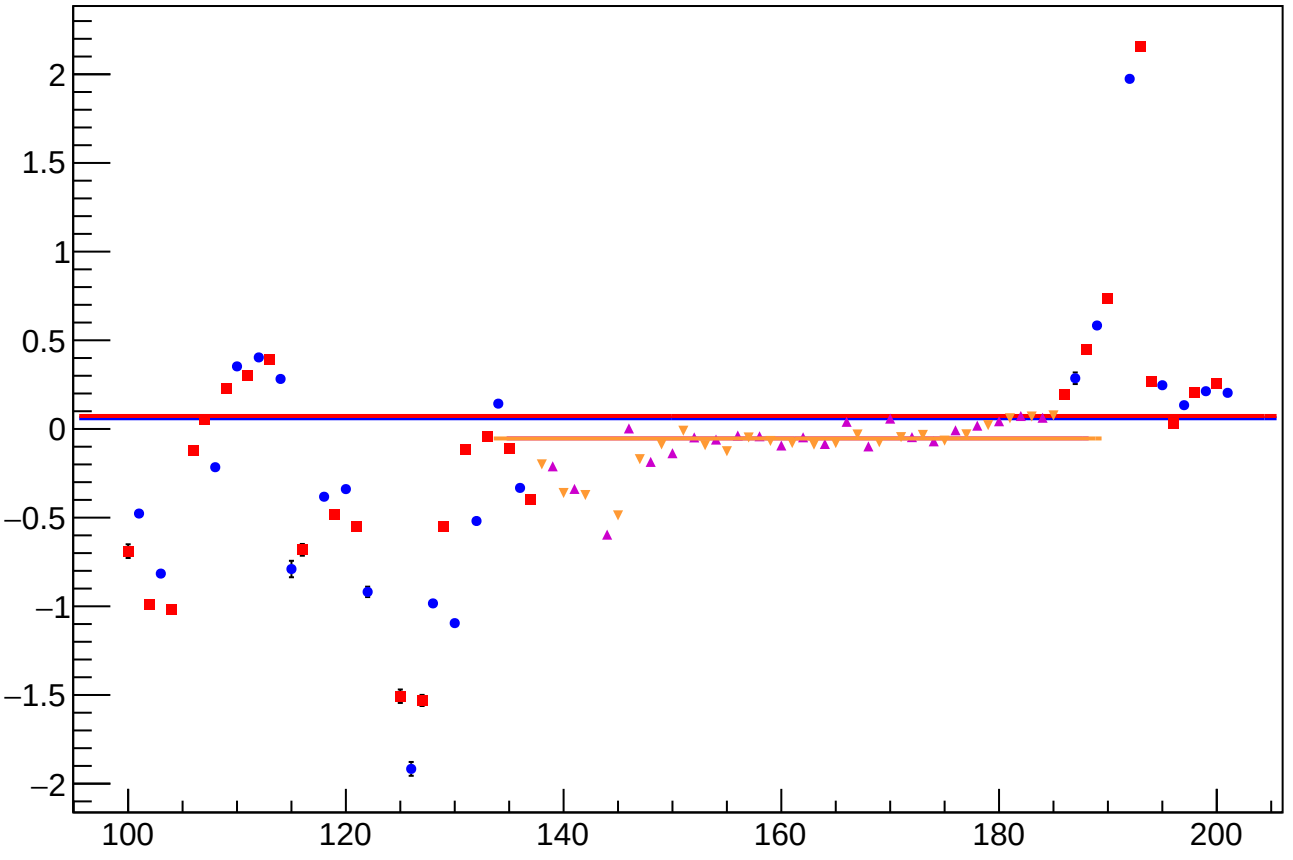
Right Out: -0.658+/-0.055 χ^2/NDF: 5468.3/25

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.196+/-0.031 χ^2/NDF: 12209.1/46

All: -1.054+/-0.021 χ^2/NDF: 24801.4/95

- sign -0.926+/-0.029 χ^2/NDF: 12552.4/48



Right In: 0.060+/-0.003 χ^2/NDF: 33927.8/22

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

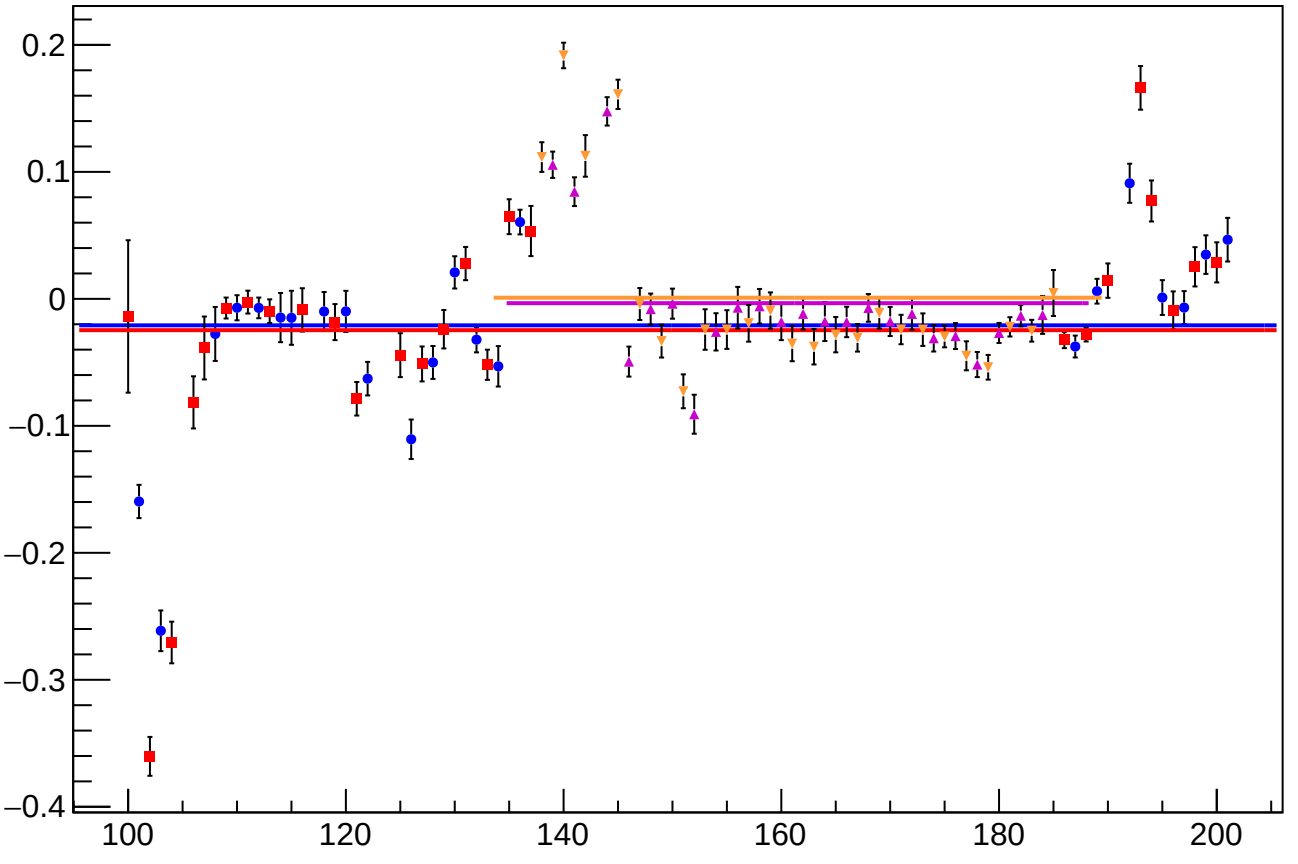
Right Out: 0.073+/-0.003 χ^2/NDF: 33260.6/25

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.023+/-0.001 χ^2/NDF: 39621.8/46

All: -0.023+/-0.001 χ^2/NDF: 79644.9/95

- sign -0.022+/-0.001 χ^2/NDF: 40022.9/48



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: -0.025+/-0.002 χ^2/NDF: 1024.7/25

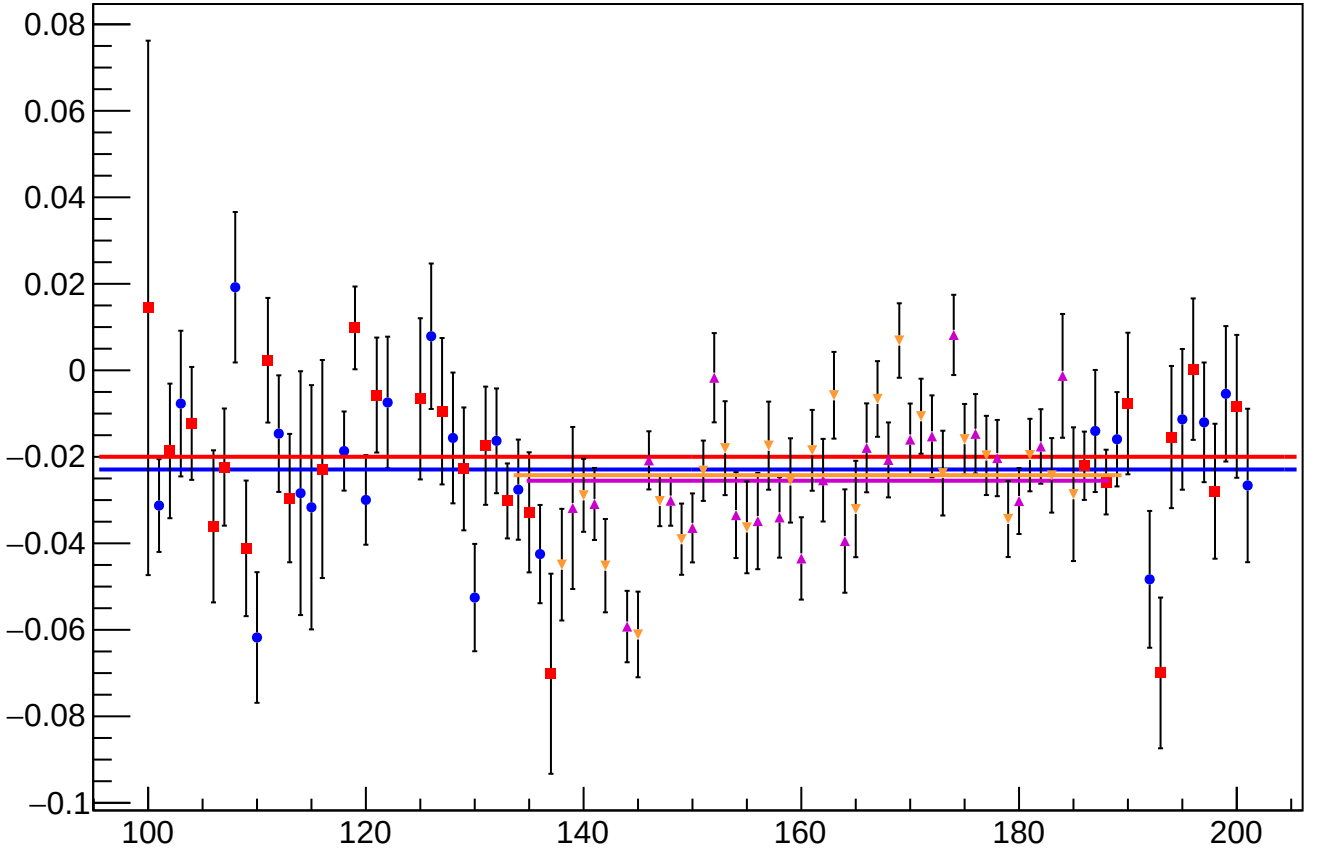
Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.009+/-0.002 χ^2/NDF: 1462.3/46

All: -0.012+/-0.001 χ^2/NDF: 2990.1/95

- sign -0.014+/-0.002 χ^2/NDF: 1522.9/48

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.023+/-0.003 χ^2/NDF: 34.6/22

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

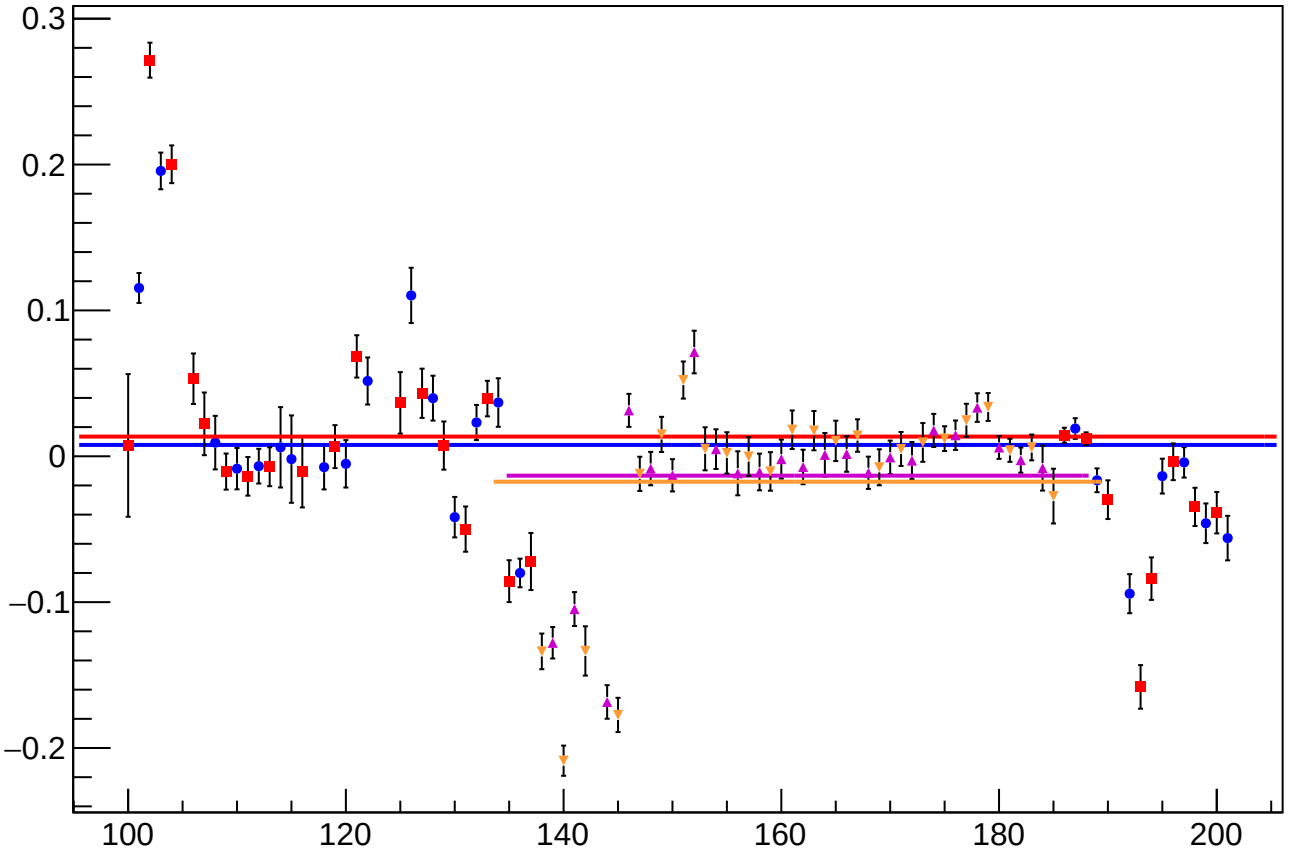
Right Out: -0.020+/-0.003 χ^2/NDF: 36.8/25

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: 183.3/95

- sign -0.024+/-0.002 χ^2/NDF: 94.7/48



Right In: 0.008+/-0.003 χ^2/NDF: 583.3/22

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

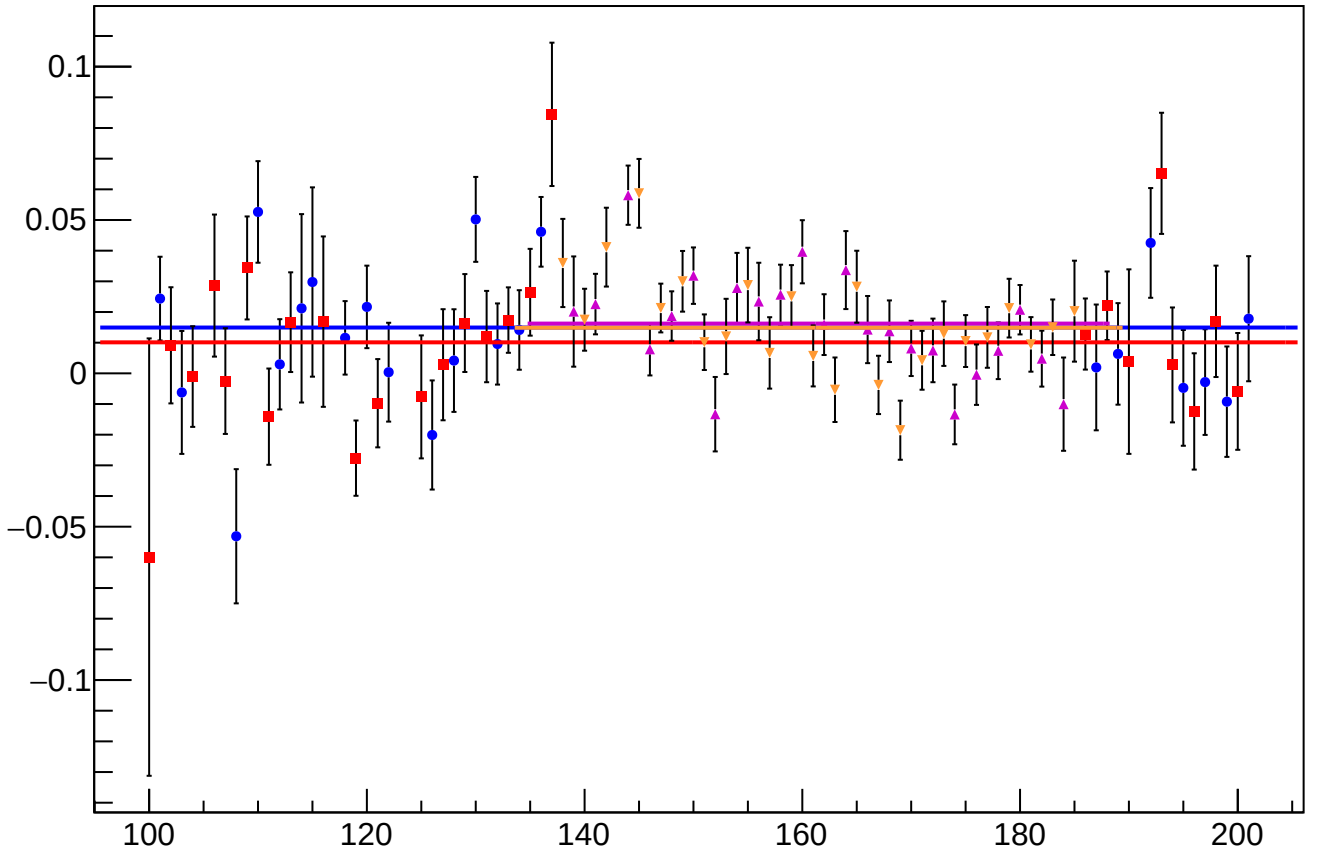
Right Out: 0.013+/-0.002 χ^2/NDF: 1011.1/25

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.006+/-0.002 χ^2/NDF: 1446.0/46

All: -0.002+/-0.001 χ^2/NDF: 2991.1/95

- sign 0.001+/-0.002 χ^2/NDF: 1536.6/48



Right In: 0.015+/-0.003 χ^2/NDF: 44.1/22

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

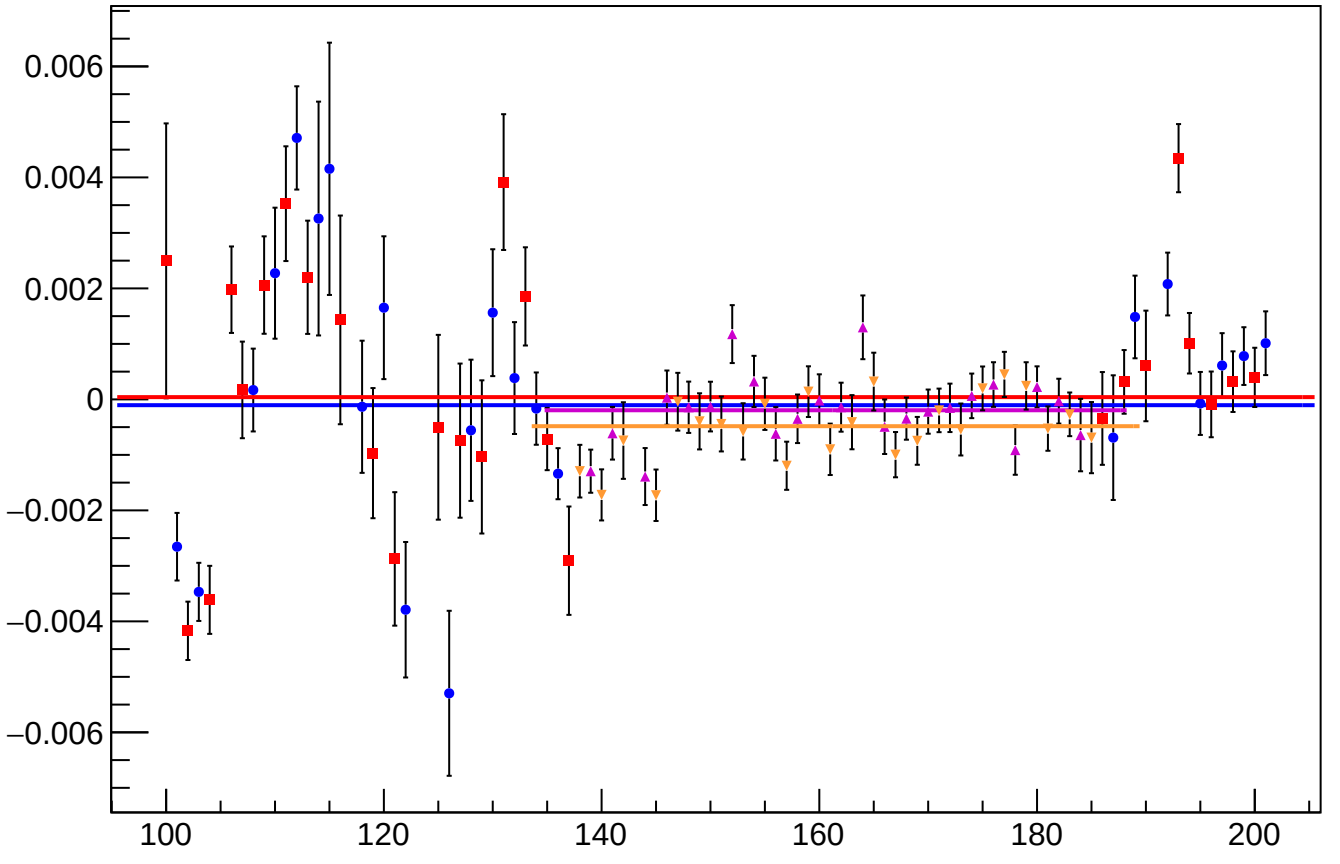
Right Out: 0.010+/-0.003 χ^2/NDF: 43.1/25

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 96.1/46

All: 0.015+/-0.001 χ^2/NDF: 199.8/95

- sign 0.014+/-0.002 χ^2/NDF: 103.6/48



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: 215.2/25

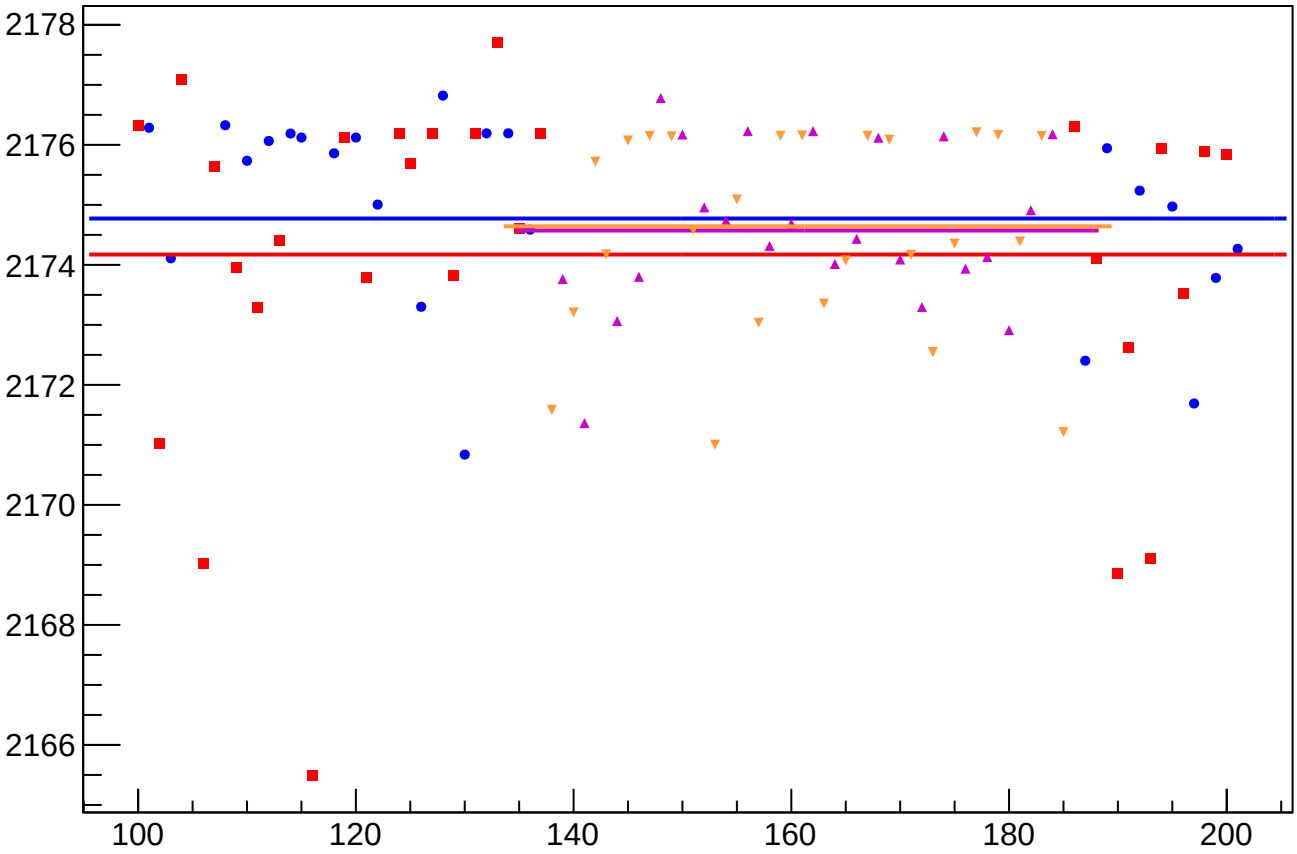
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 201.8/46

All: -0.000+/-0.000 χ^2/NDF: 460.9/95

- sign -0.000+/-0.000 χ^2/NDF: 254.2/48

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

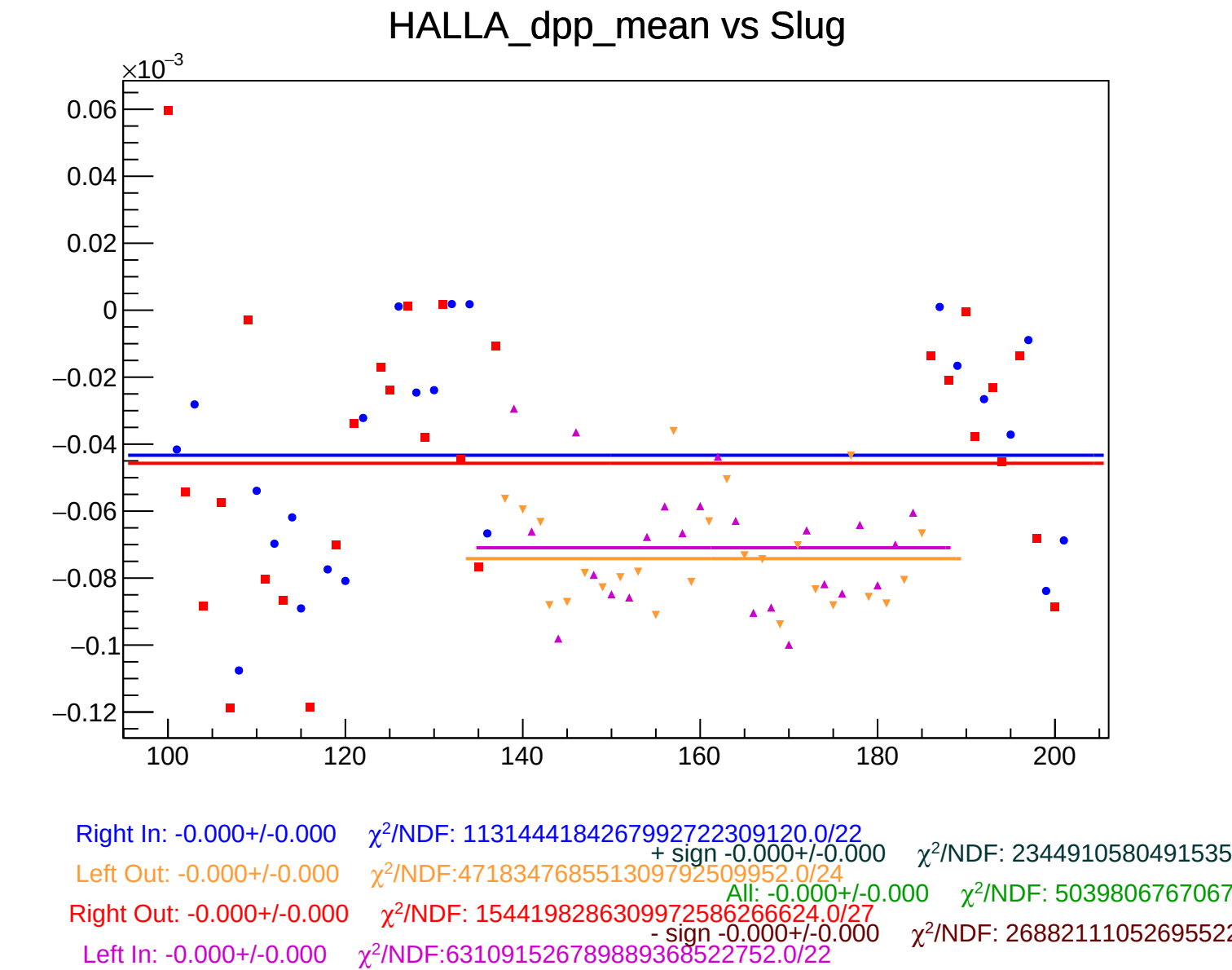
Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517l2.0/24

All: 2174.548+/-0.000 χ^2/NDF: 2158083773

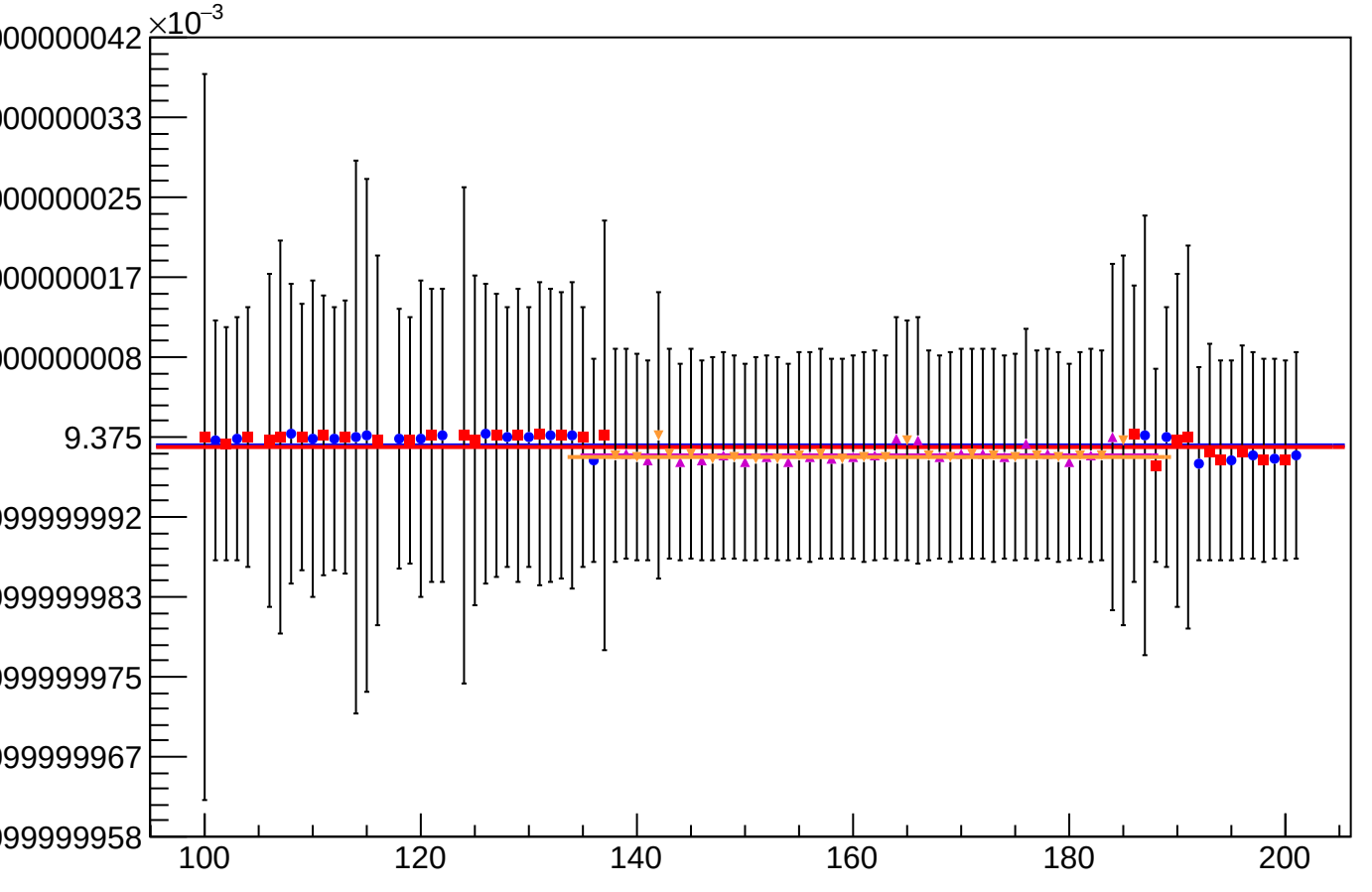
Right Out: 2174.173+/-0.000 χ^2/NDF: 962137053103259296547049839158886 4.0/27

- sign 2174.403+/-0.000 χ^2/NDF: 13181801029898

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
+ sign -0.000+/-0.000 χ²/NDF: 2344910580491535
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099 52.0/24
All: -0.000+/-0.000 χ²/NDF: 5039806767067
Right Out: -0.000+/-0.000 χ²/NDF: 1544198286309972586266624.0/27
- sign -0.000+/-0.000 χ²/NDF: 26882111052695522
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22

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: 0.2/27

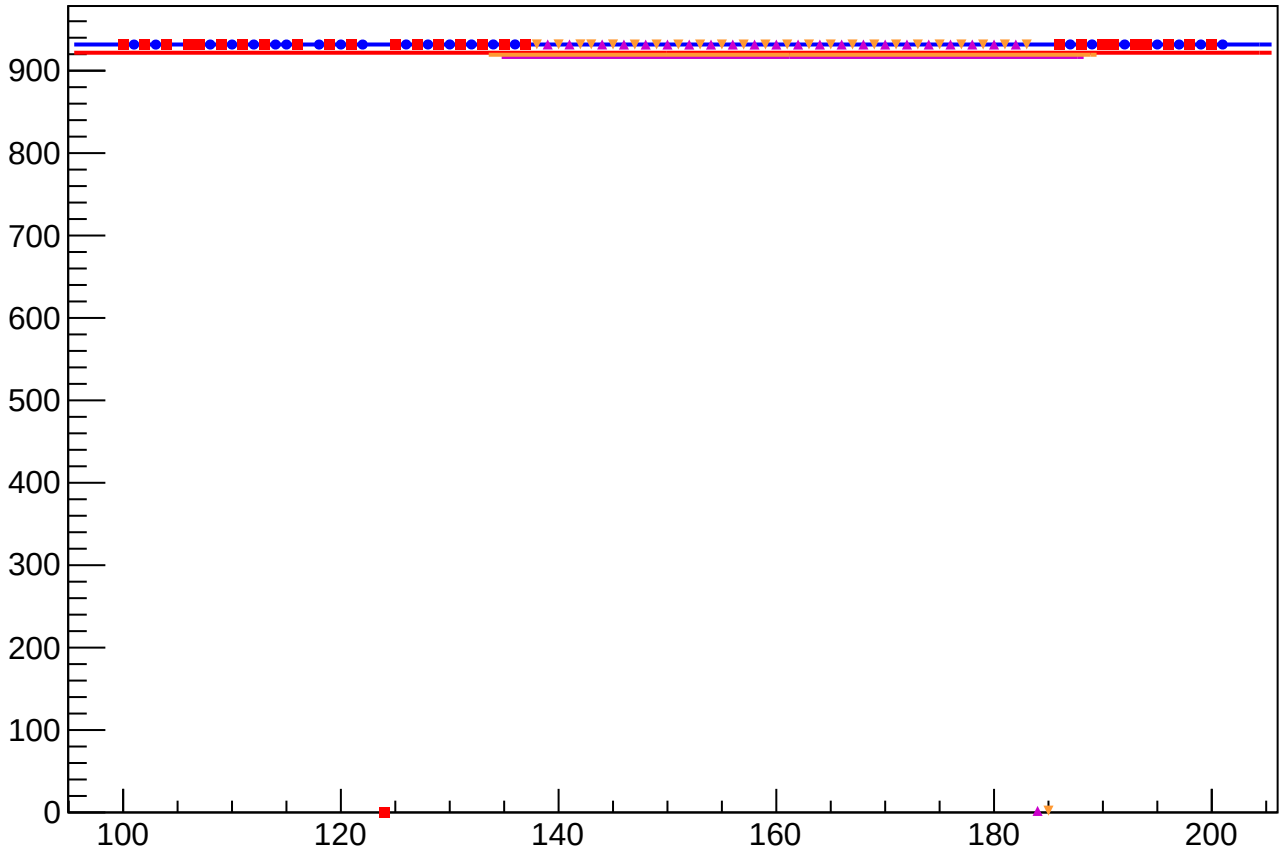
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/47

All: 0.009+/-0.000 χ^2/NDF: 0.7/98

- sign 0.009+/-0.000 χ^2/NDF: 0.4/50

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

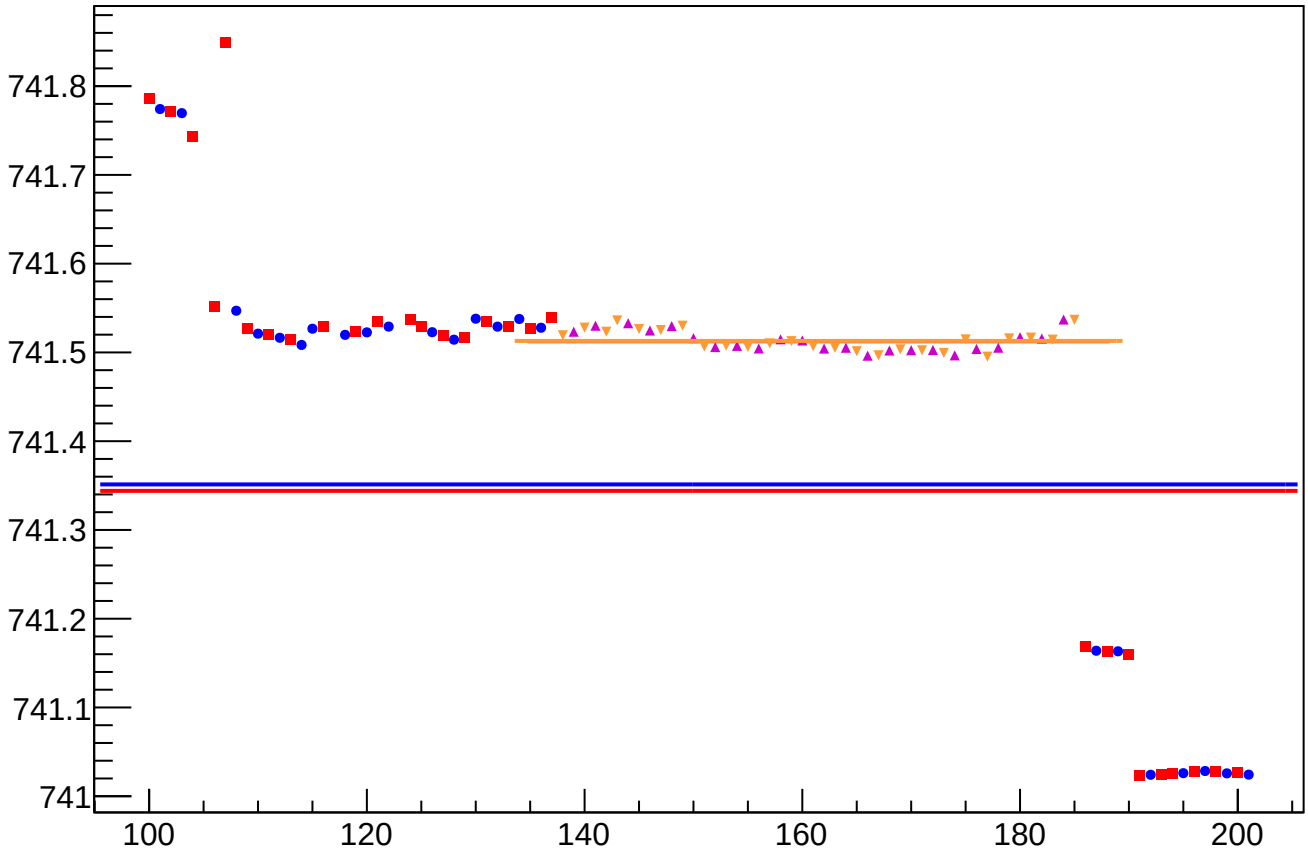
All: 921.475+/-0.000 χ^2/NDF: 624614773674

Right Out: 921.783+/-0.000 χ^2/NDF: 12882601871147444251758248351462588416.0/27

- sign 918.824+/-0.000 χ^2/NDF: 392735580882696

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723520/22

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: 741.344+/-0.000 χ^2/NDF: 10105979021732344398921427897548 8.0/27

Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

+ sign 741.451+/-0.000 χ^2/NDF: 112704932316032

All: 741.446+/-0.000 χ^2/NDF: 2370549073 06

- sign 741.441+/-0.000 χ^2/NDF: 124205855069471

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.806+/-0.000 χ^2/NDF: 14190790929136842384441270599680.0/22

+ sign 972.740+/-0.000 χ^2/NDF: 256393164099822

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

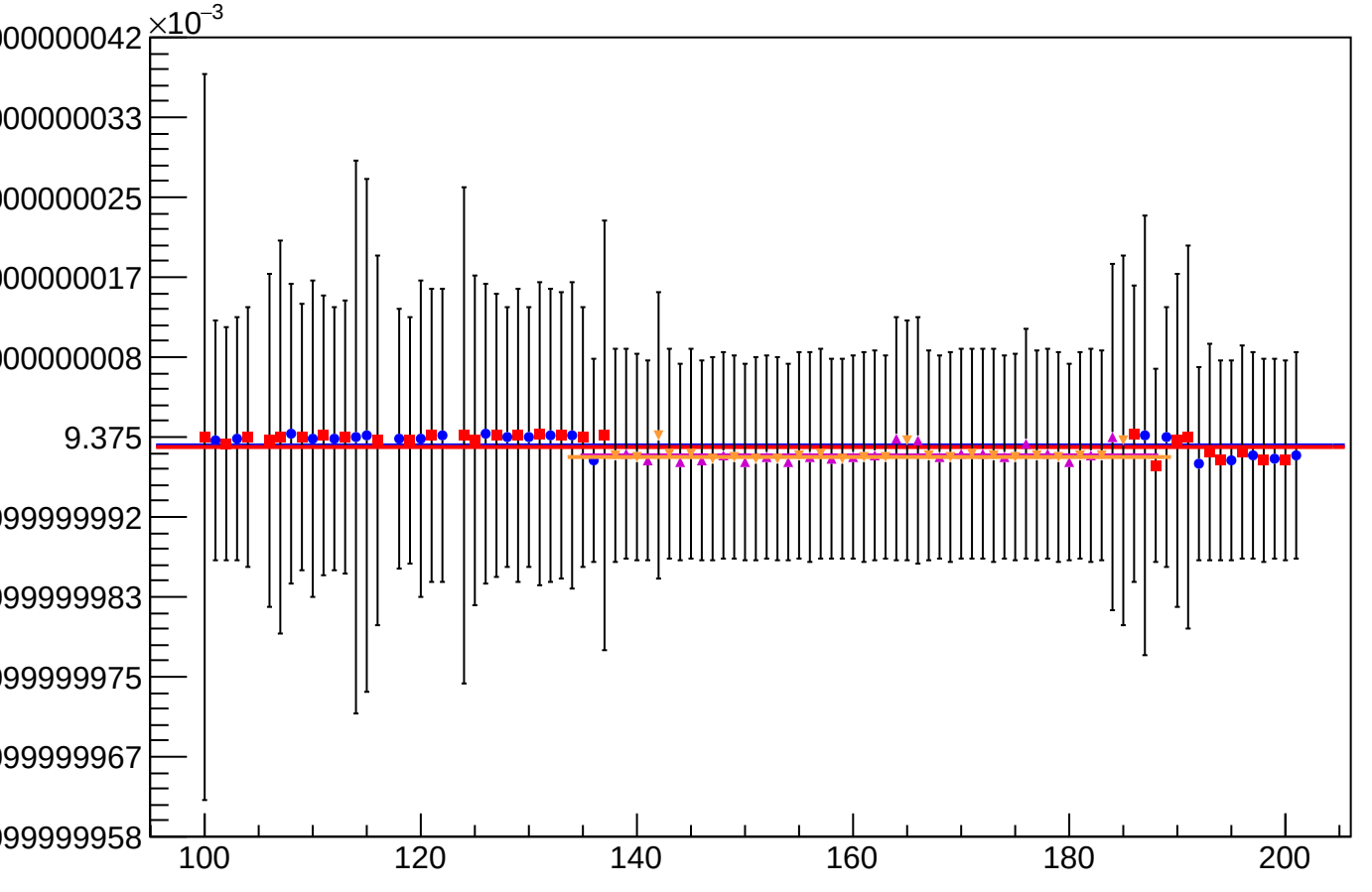
All: 972.164+/-0.000 χ^2/NDF: 550618556299

Right Out: 980.777+/-0.000 χ^2/NDF: 6338270329798976361665798969753 6.0/27

- sign 971.591+/-0.000 χ^2/NDF: 294203639780963

Left In: 964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501 6576.0/22

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: 0.2/27

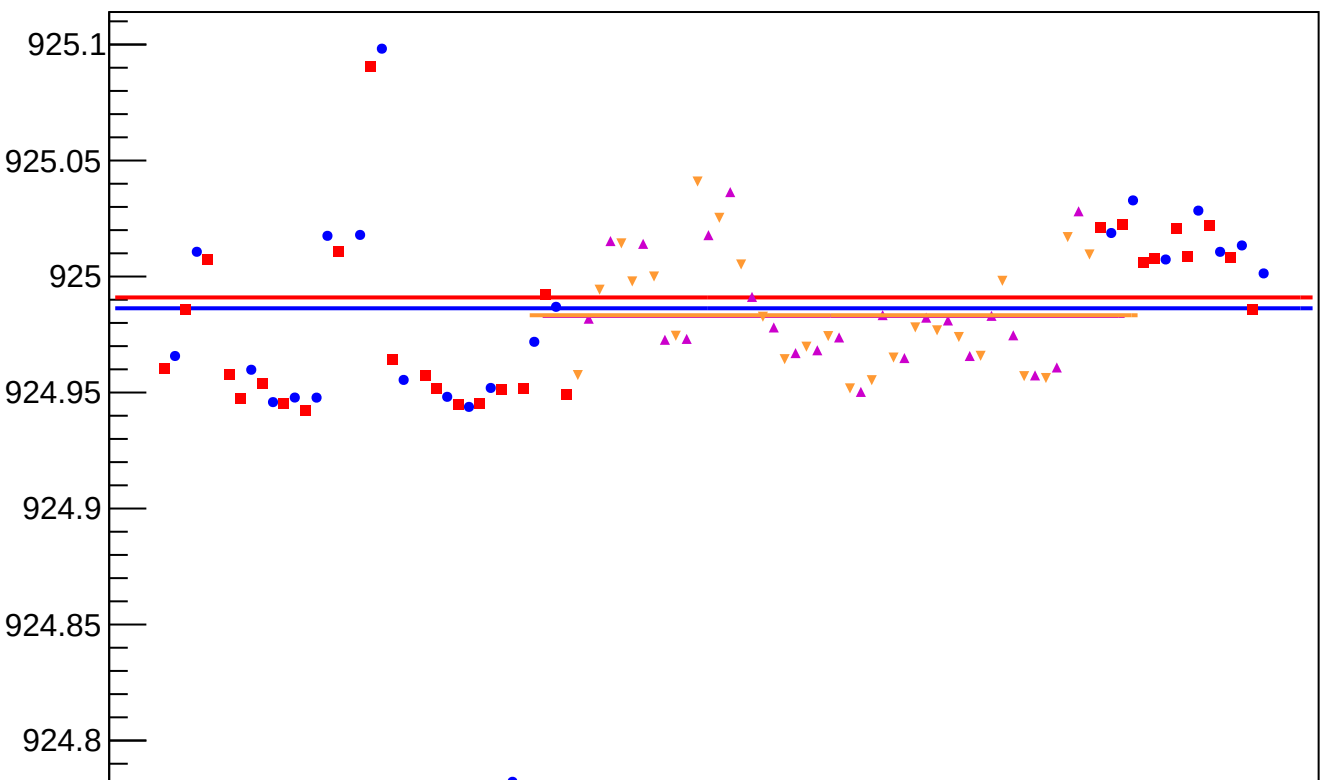
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/47

All: 0.009+/-0.000 χ^2/NDF: 0.7/98

- sign 0.009+/-0.000 χ^2/NDF: 0.4/50

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: 924.991+/-0.000 χ^2/NDF: 1819559769739871424928584564736.0/27

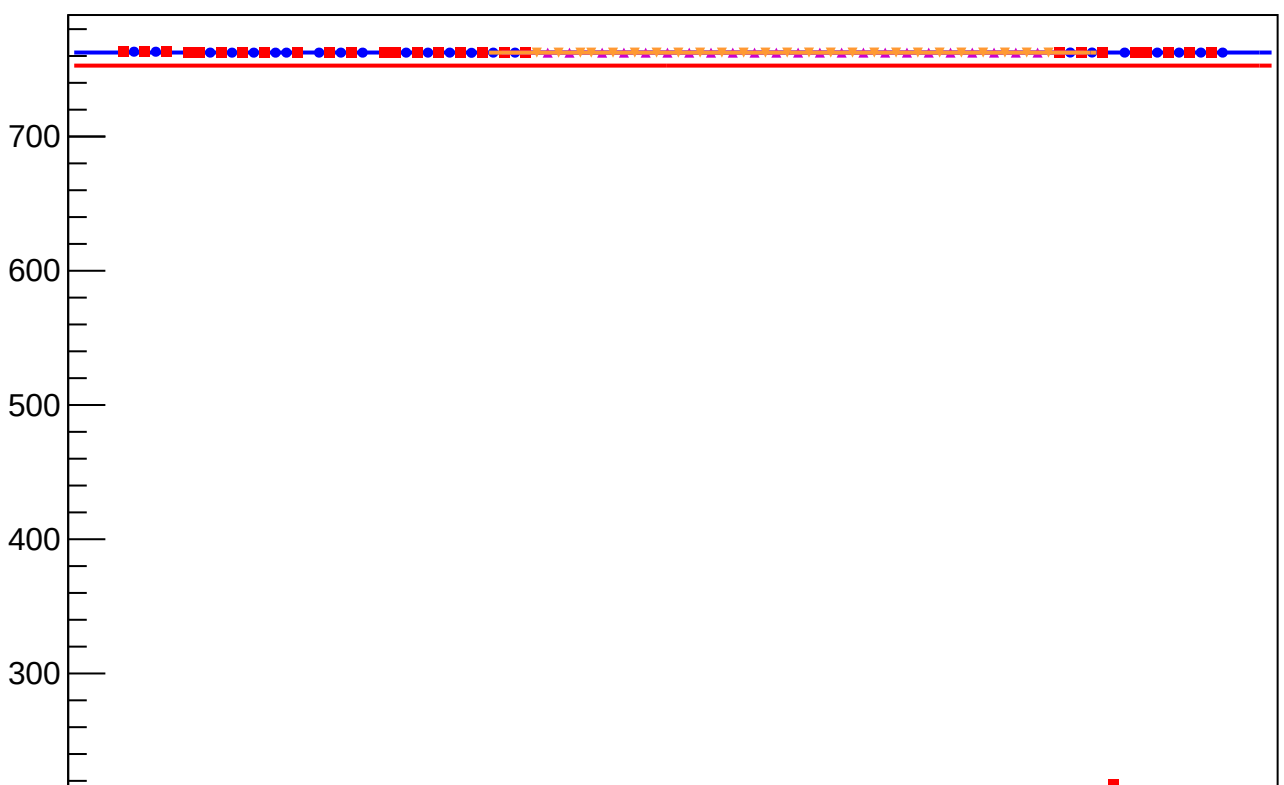
Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

+ sign 924.984+/-0.000 χ^2/NDF: 449111006192143

All: 924.985+/-0.000 χ^2/NDF: 729635705155

- sign 924.986+/-0.000 χ^2/NDF: 279918846458777

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: 752.829+/-0.000 χ^2/NDF: 730664866659337486978791426748317 6960.0/27

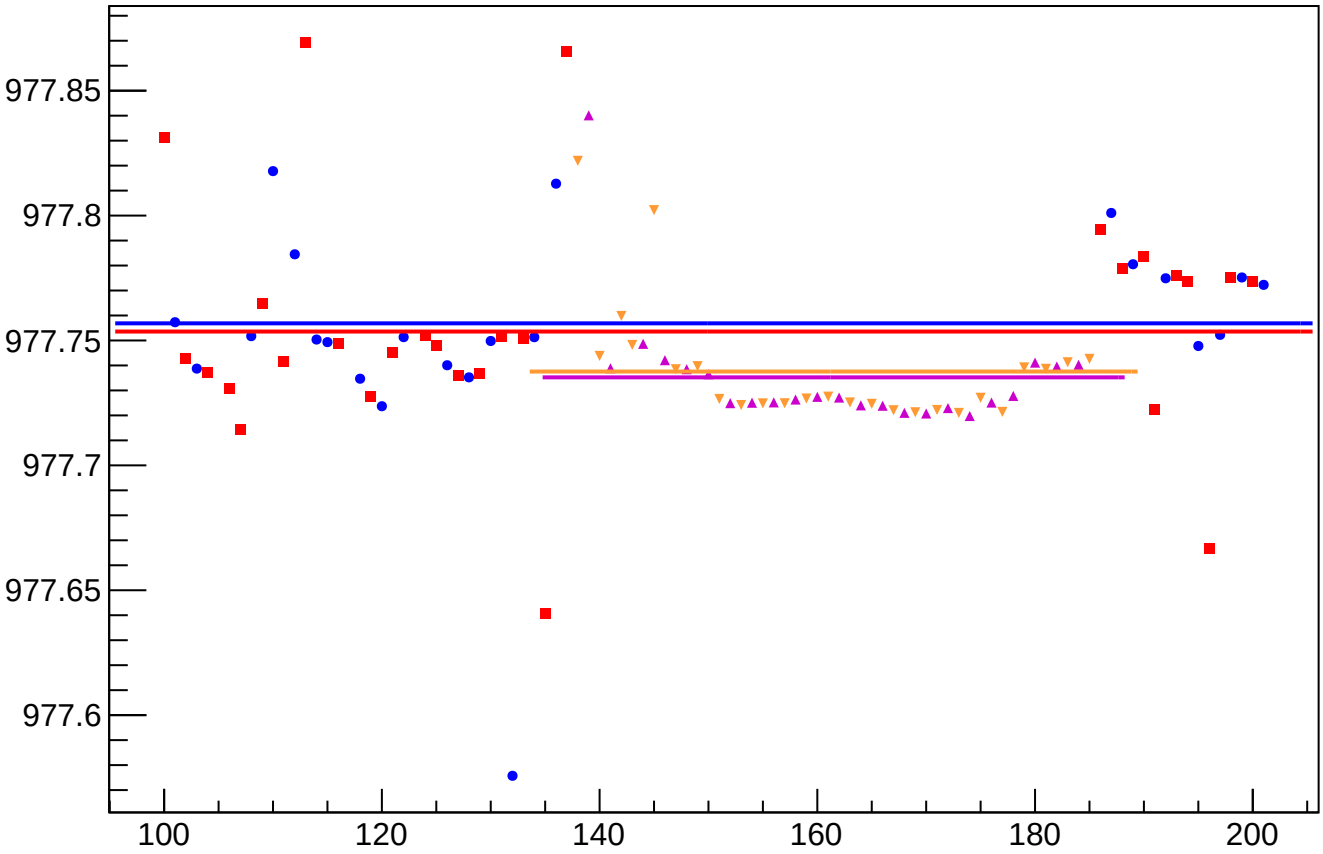
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.542+/-0.000 χ^2/NDF: 577120147386882

All: 760.474+/-0.000 χ^2/NDF: 7410425687 59

- sign 758.419+/-0.000 χ^2/NDF: 738236662946557

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

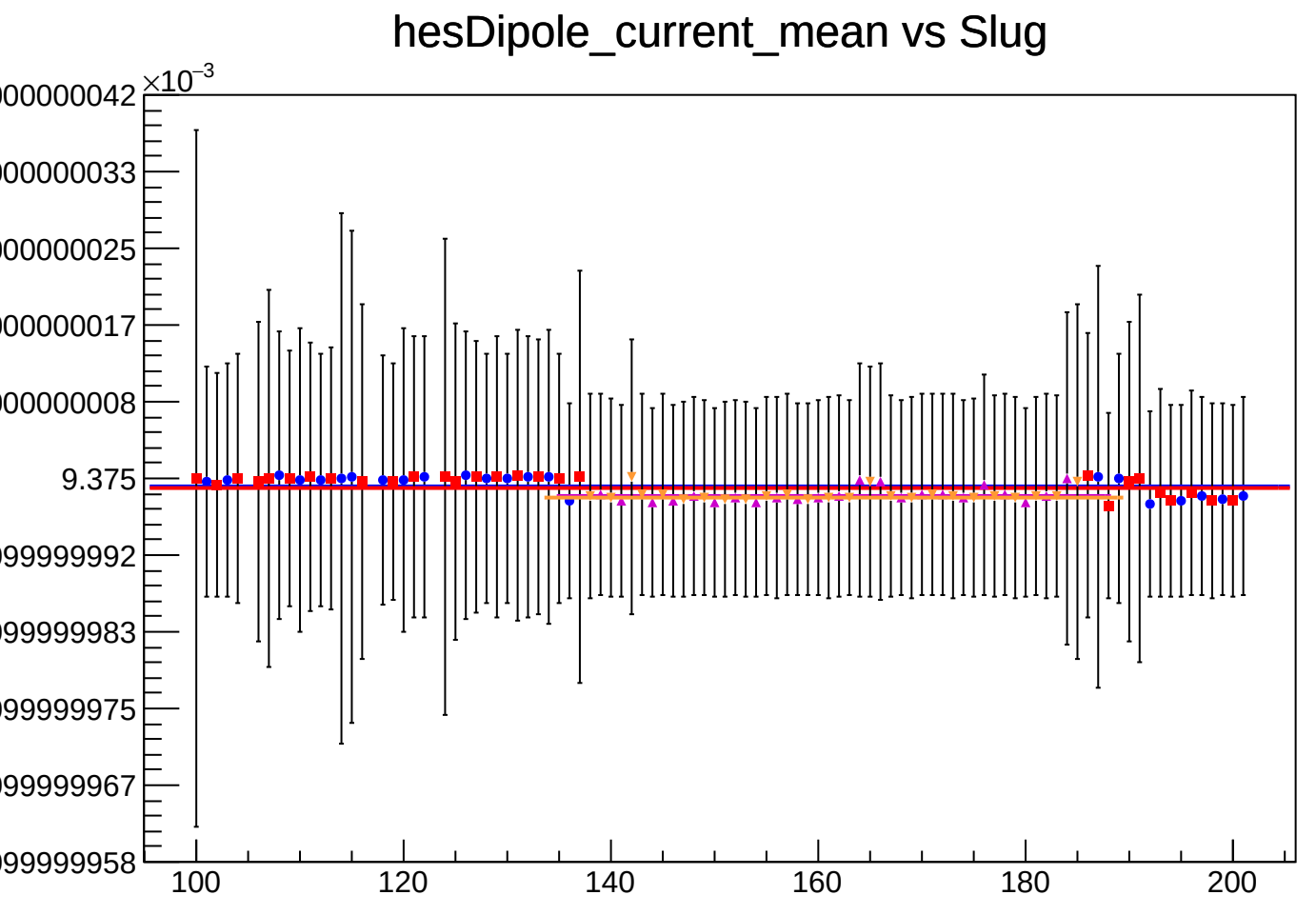
Right Out: 977.754+/-0.000 χ^2/NDF: 27738577206732848108512194068 48.0/27

Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

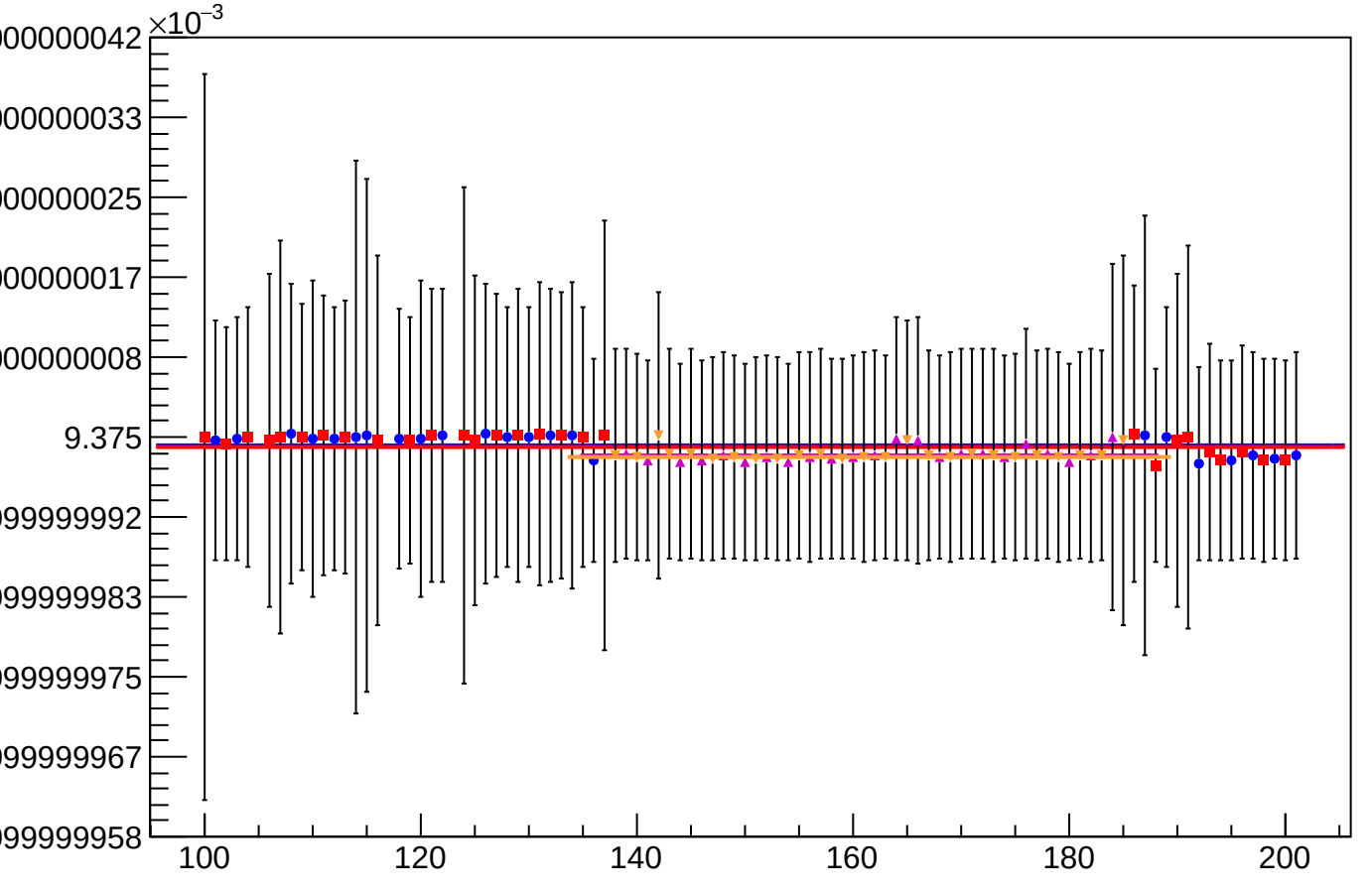
+ sign 977.745+/-0.000 χ^2/NDF: 363125707860254

All: 977.744+/-0.000 χ^2/NDF: 777985548378

- sign 977.743+/-0.000 χ^2/NDF: 414194035440532


hesDipole_current_mean vs Slug
×10⁻³
100
120
140
160
180
200
9.375
Right In: 0.009+/-0.000 χ²/NDF: 0.2/22
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: 0.009+/-0.000 χ²/NDF: 0.2/27
Left In: 0.009+/-0.000 χ²/NDF:0.1/22
+ sign 0.009+/-0.000 χ²/NDF: 0.3/47
All: 0.009+/-0.000 χ²/NDF: 0.7/98
- sign 0.009+/-0.000 χ²/NDF: 0.4/50

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: 0.2/27

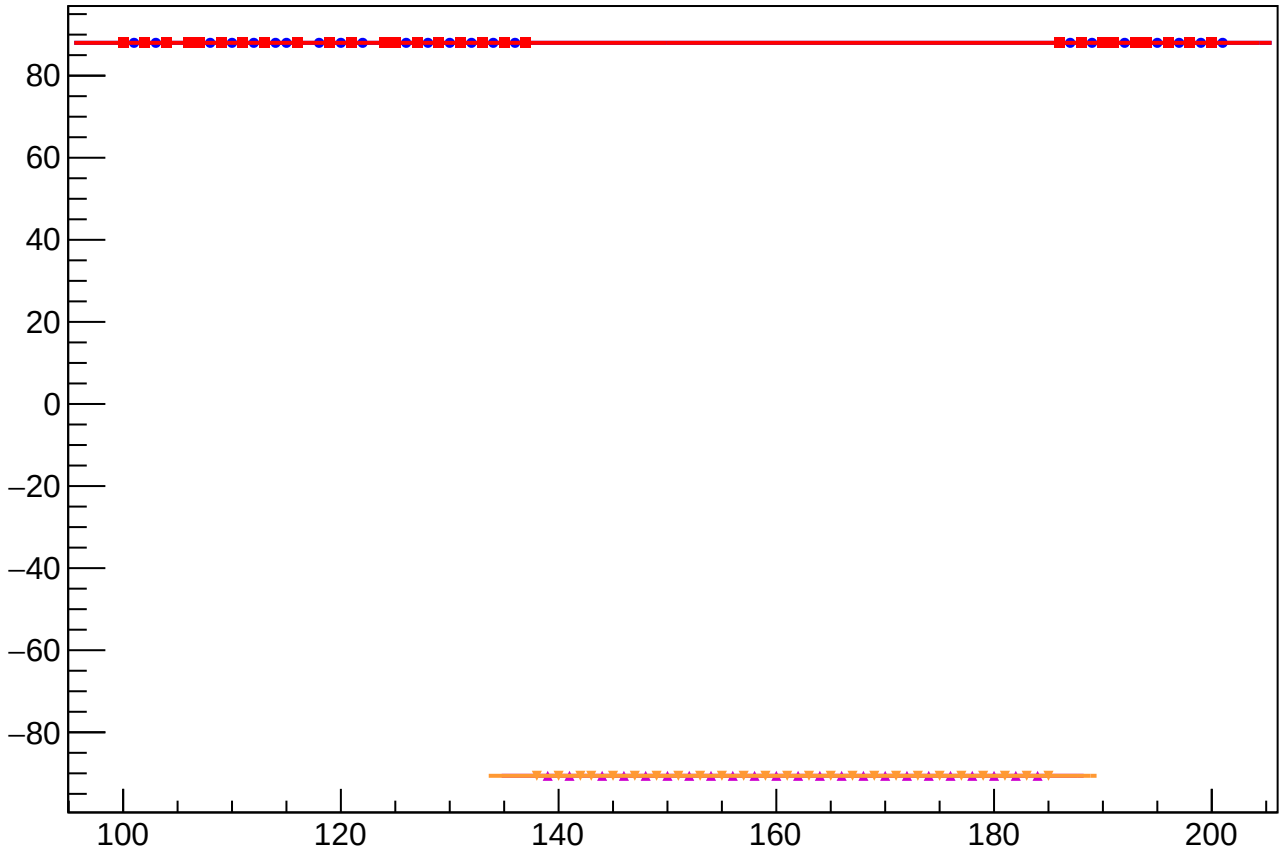
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/47

All: 0.009+/-0.000 χ^2/NDF: 0.7/98

- sign 0.009+/-0.000 χ^2/NDF: 0.4/50

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: 75760353382774028450366750720.0/27

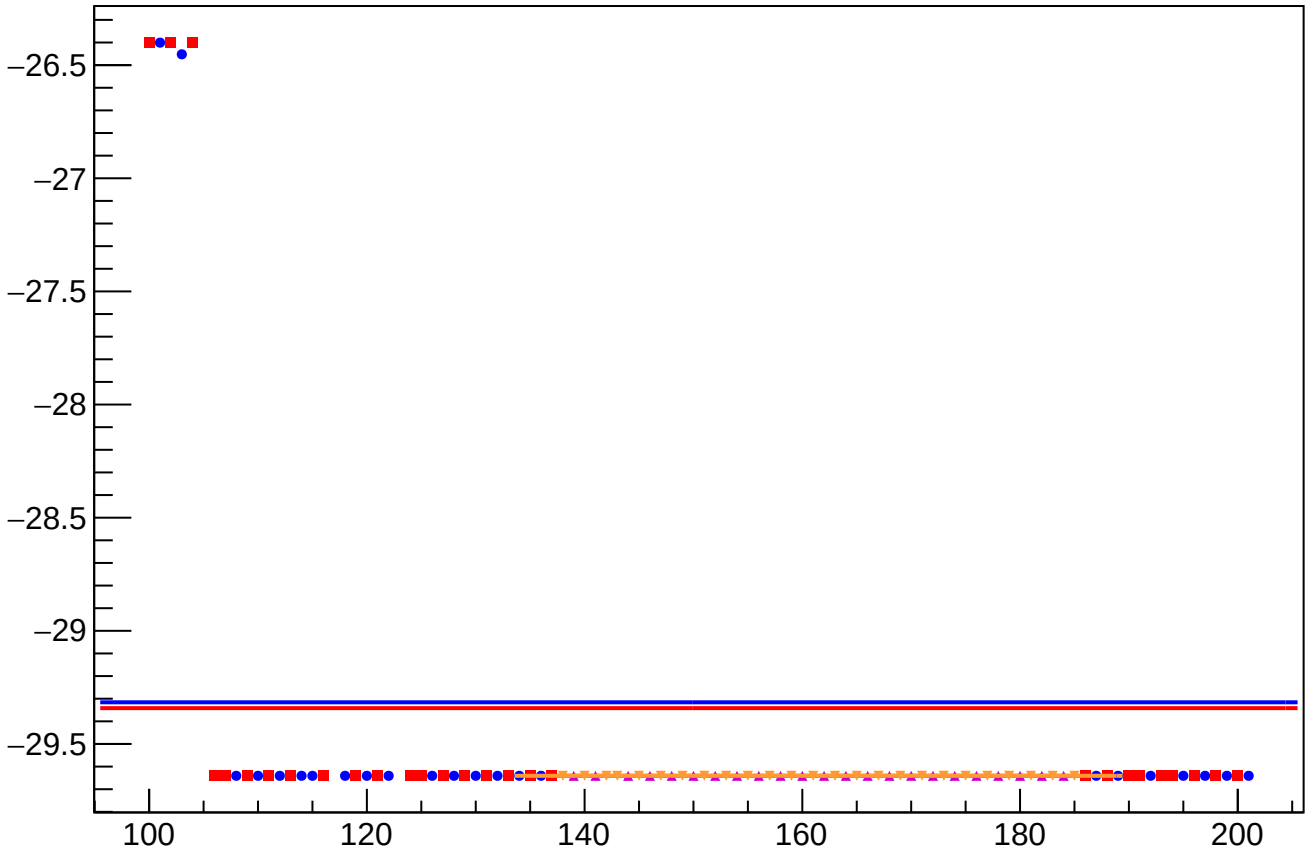
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -21.715+/-0.000 χ^2/NDF: 248270610398051

All: -18.362+/-0.000 χ^2/NDF: 506259724880

- sign -15.029+/-0.000 χ^2/NDF: 257252803106059

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

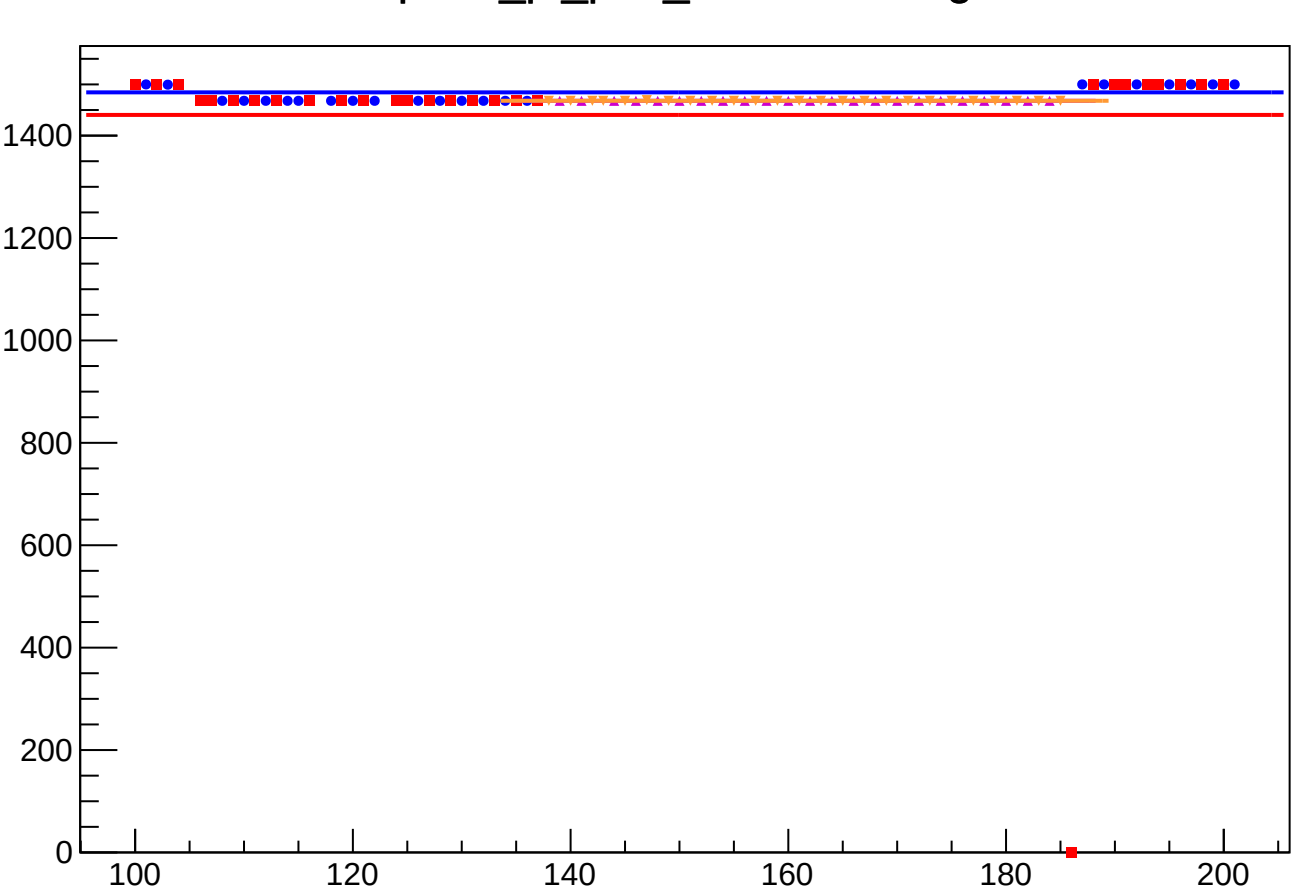
Right Out: -29.342+/-0.000 χ^2/NDF: 1229232916738204523487790668709888.0/27

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.515+/-0.000 χ^2/NDF: 127132213103717

All: -29.515+/-0.000 χ^2/NDF: 257264262165

- sign -29.514+/-0.000 χ^2/NDF: 130131795399514



Right In: 1484.483+/-0.000 χ^2/NDF: 32346926537584205964392335817677209 6.0/22

+ sign 1474.388+/-0.000 χ^2/NDF: 5337726867967 9

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

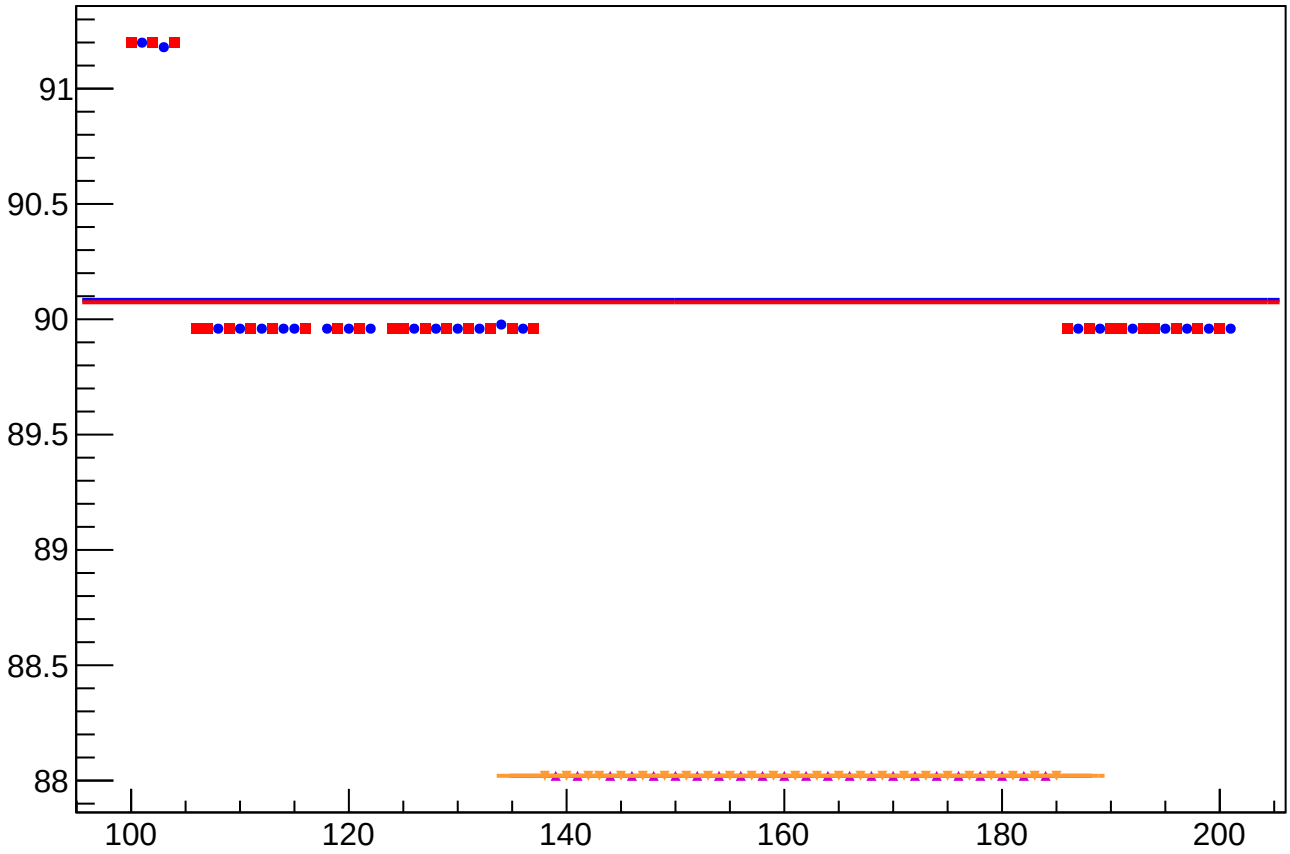
All: 1465.330+/-0.000 χ^2/NDF: 9187008828 8

Right Out: 1440.415+/-0.000 χ^2/NDF: 90185407707462708934009538248618016768.0/27

- sign 1456.324+/-0.000 χ^2/NDF: 90798806753305

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

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: 90.074+/-0.000 χ^2/NDF: 18004768068671843255755825636966 4.0/27

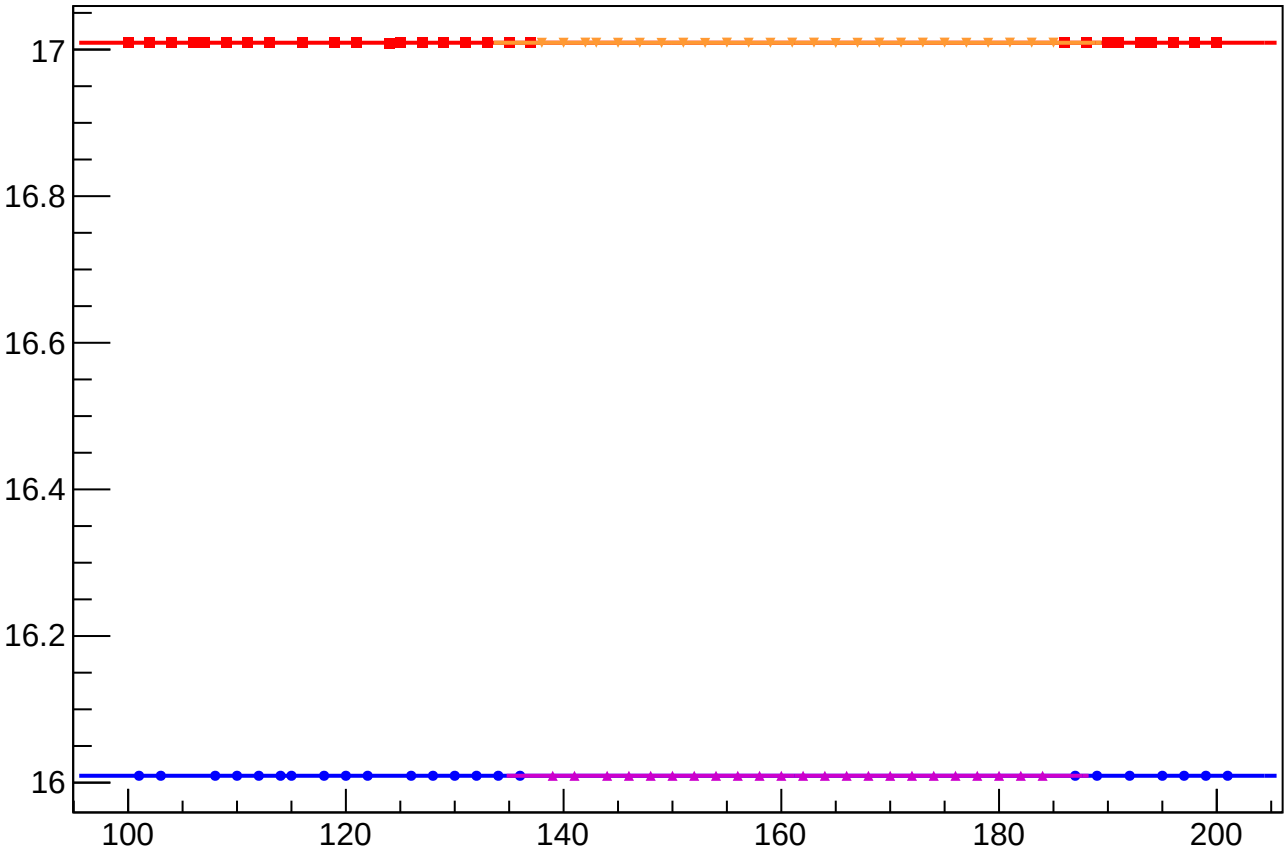
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.817+/-0.000 χ^2/NDF: 3487963134785494

All: 88.853+/-0.000 χ^2/NDF: 707592611398

- sign 88.889+/-0.000 χ^2/NDF: 3579226401657901

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:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 18070814016240841396322304.0/27

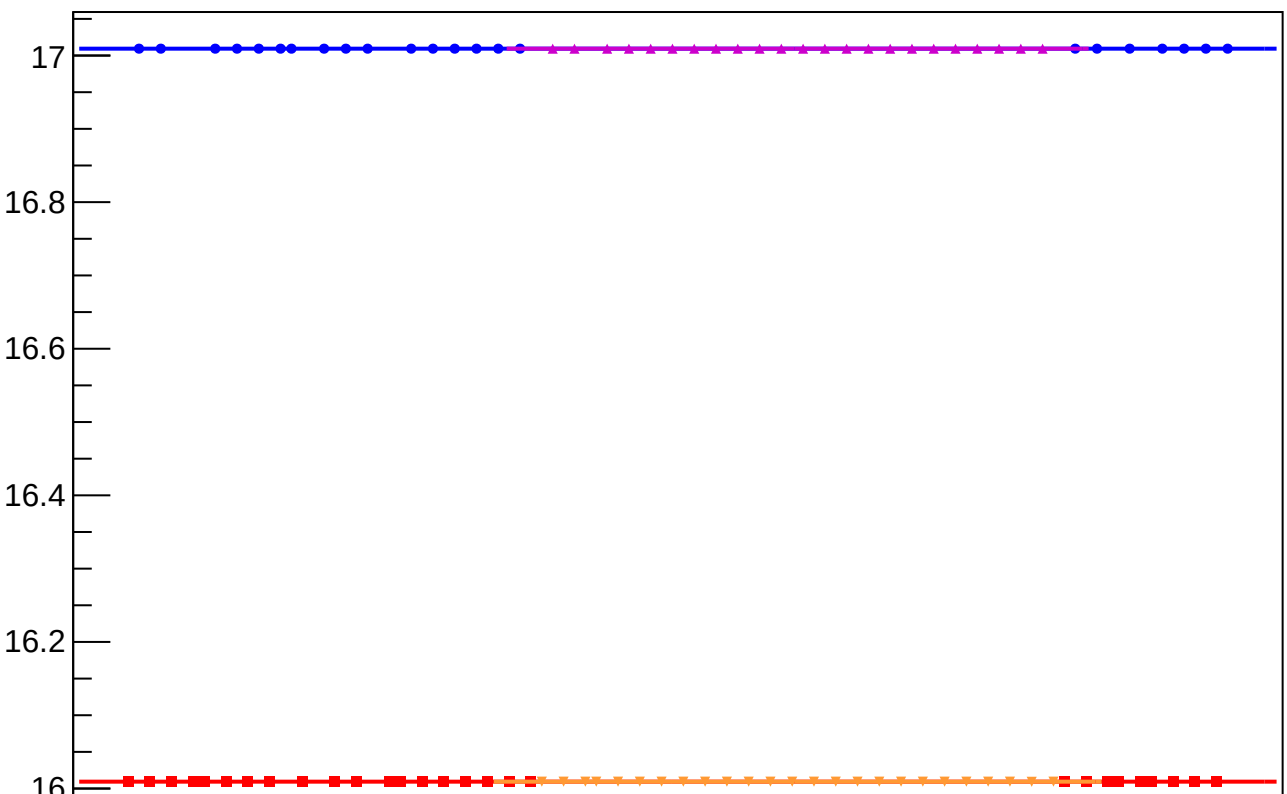
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.613+/-0.000 χ^2/NDF: 7413901821531737

All: 16.526+/-0.000 χ^2/NDF: 1547281011786

- sign 16.438+/-0.000 χ^2/NDF: 7584232547147361

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: 394645.0/27

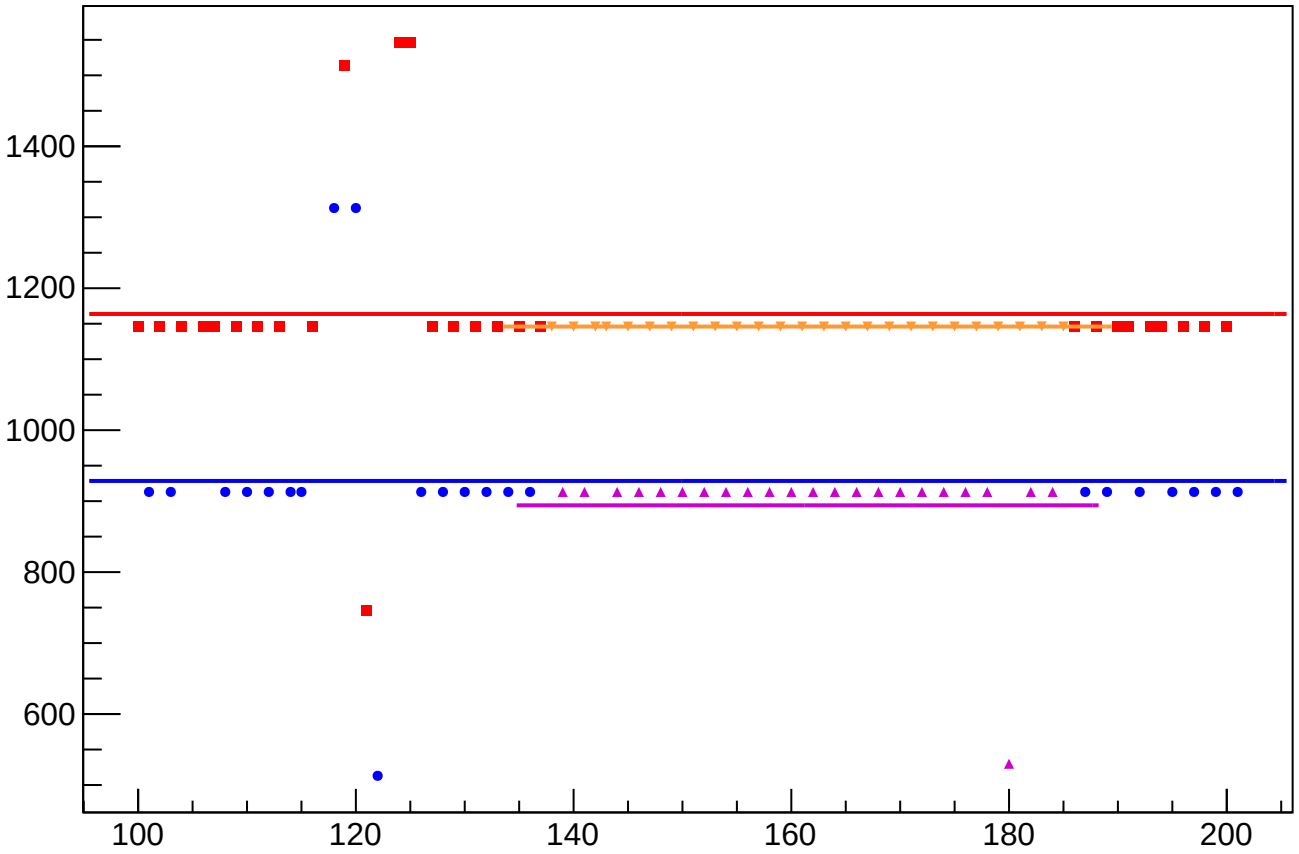
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.392+/-0.000 χ^2/NDF: 7616045086796903

All: 16.487+/-0.000 χ^2/NDF: 161644906825

- sign 16.581+/-0.000 χ^2/NDF: 7968135488224897

RTPAPOSUCNT_mean vs Slug



Right In: 928.465+/-0.000 χ^2/NDF: 212981615570985602930719583964422471680/22

Left Out: 1146.020+/-0.000 χ^2/NDF:3703071297941871459906430697472.0/24

Right Out: 1163.750+/-0.000 χ^2/NDF: 22506394450915596155584668050791596032.0/27

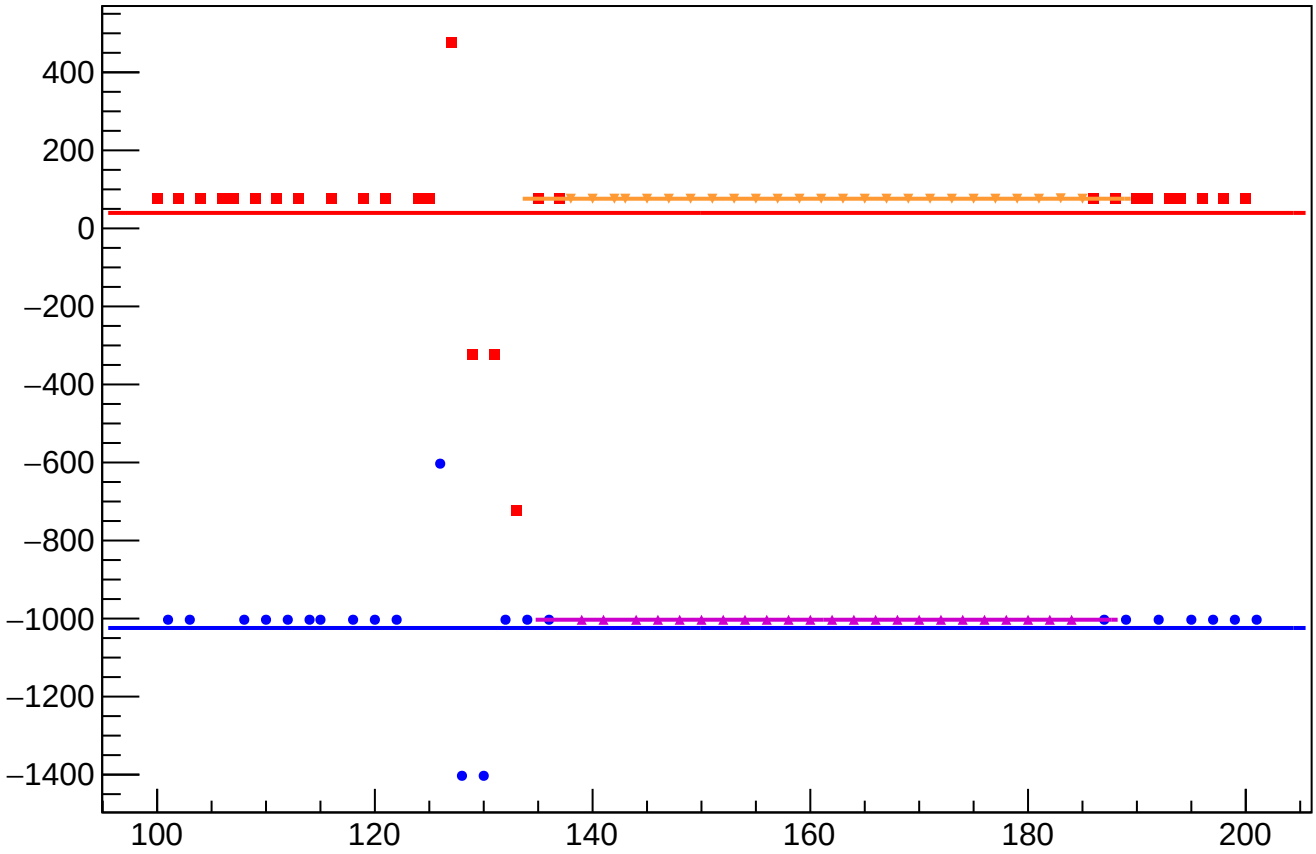
Left In: 894.107+/-0.000 χ^2/NDF:131072382992117127838961838029642137600/22

+ sign 1062.111+/-0.000 χ^2/NDF: 581365681475870

All: 1035.077+/-0.000 χ^2/NDF: 157174157940

- sign 1008.199+/-0.000 χ^2/NDF: 942499618438500

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

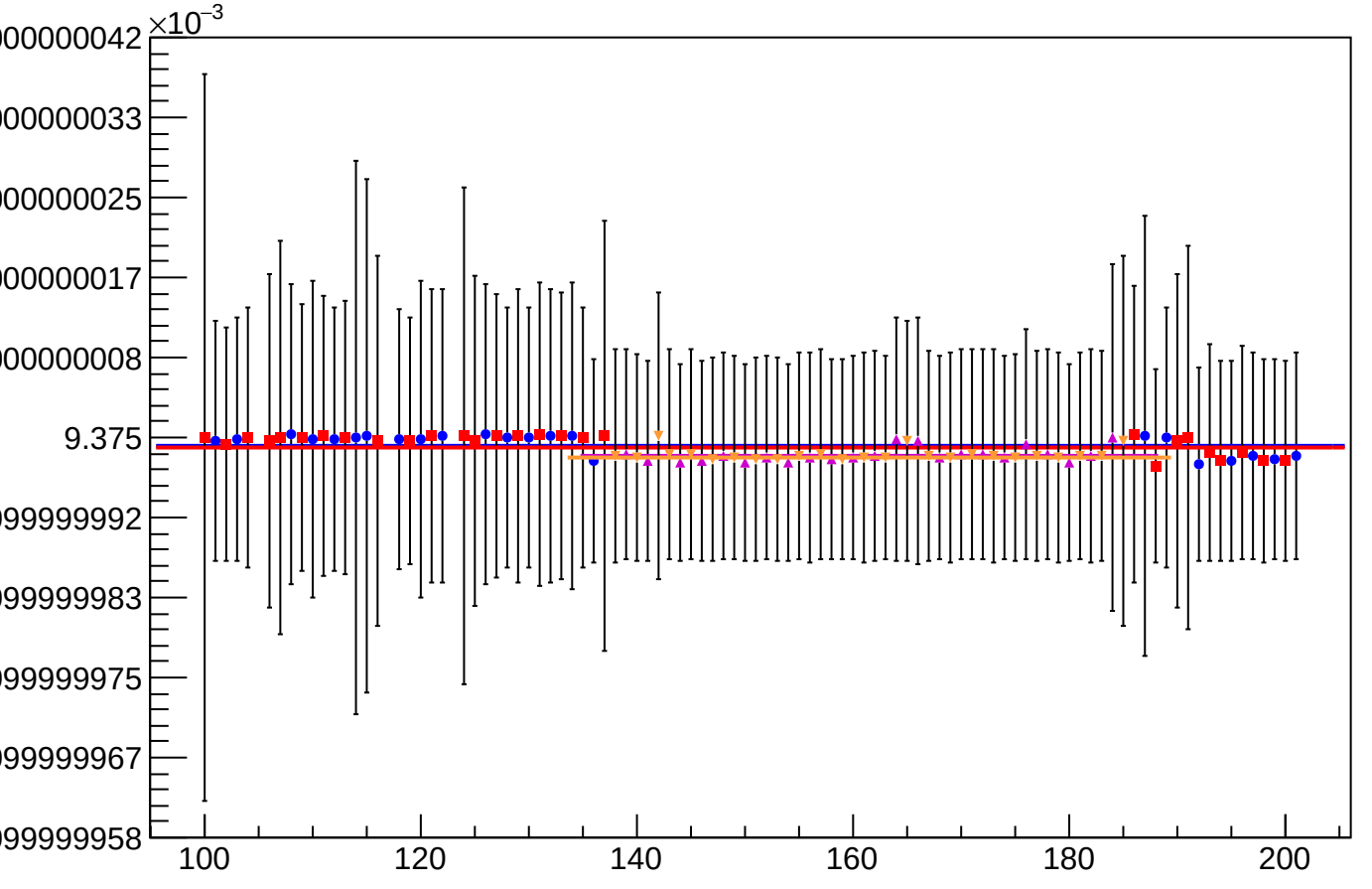
All: -455.357+/-0.000 χ^2/NDF: 1964836013 4

Right Out: 39.673+/-0.000 χ^2/NDF: 4759379300152900699642279563864781619 2.0/27

- sign -561.815+/-0.000 χ^2/NDF: 924347389492280

Left In: -1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

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: 0.2/27

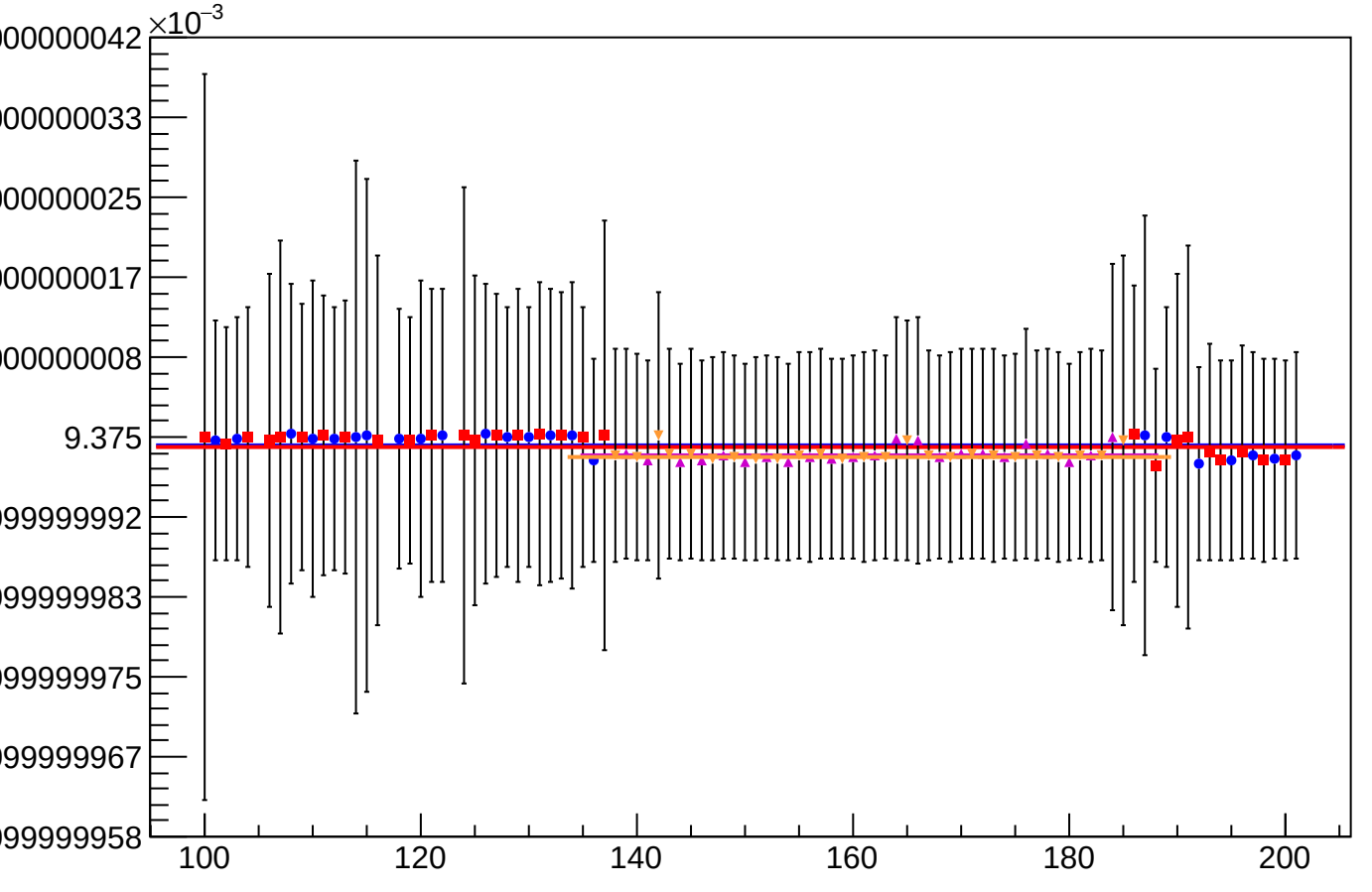
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/47

All: 0.009+/-0.000 χ^2/NDF: 0.7/98

- sign 0.009+/-0.000 χ^2/NDF: 0.4/50

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: 0.2/27

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: 0.7/98

- sign 0.009+/-0.000 χ^2/NDF: 0.4/50