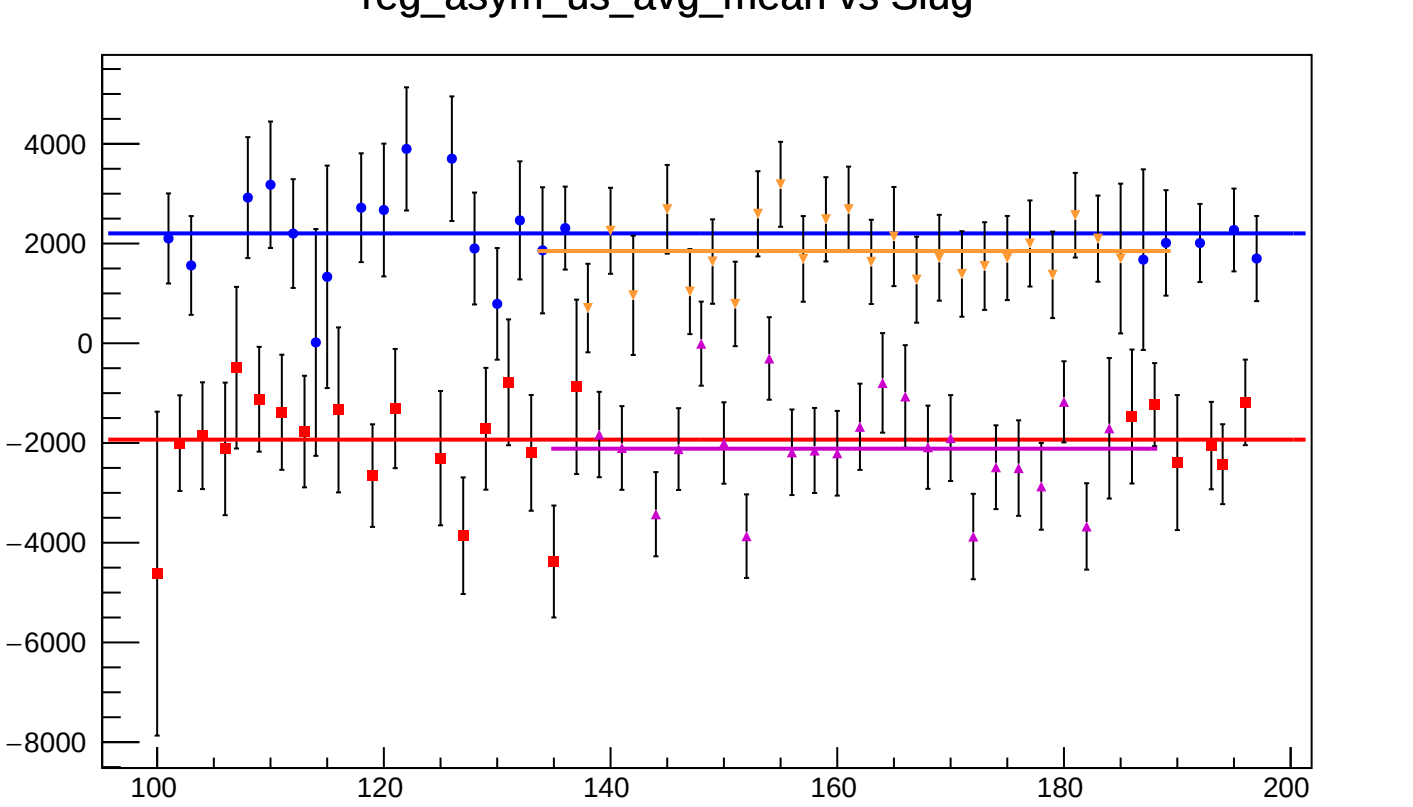


Right In: 2203.765+/-238.994 χ^2/NDF: 8.5/20

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

Right Out: -1932.487+/-231.474 χ^2/NDF: 14.2/23

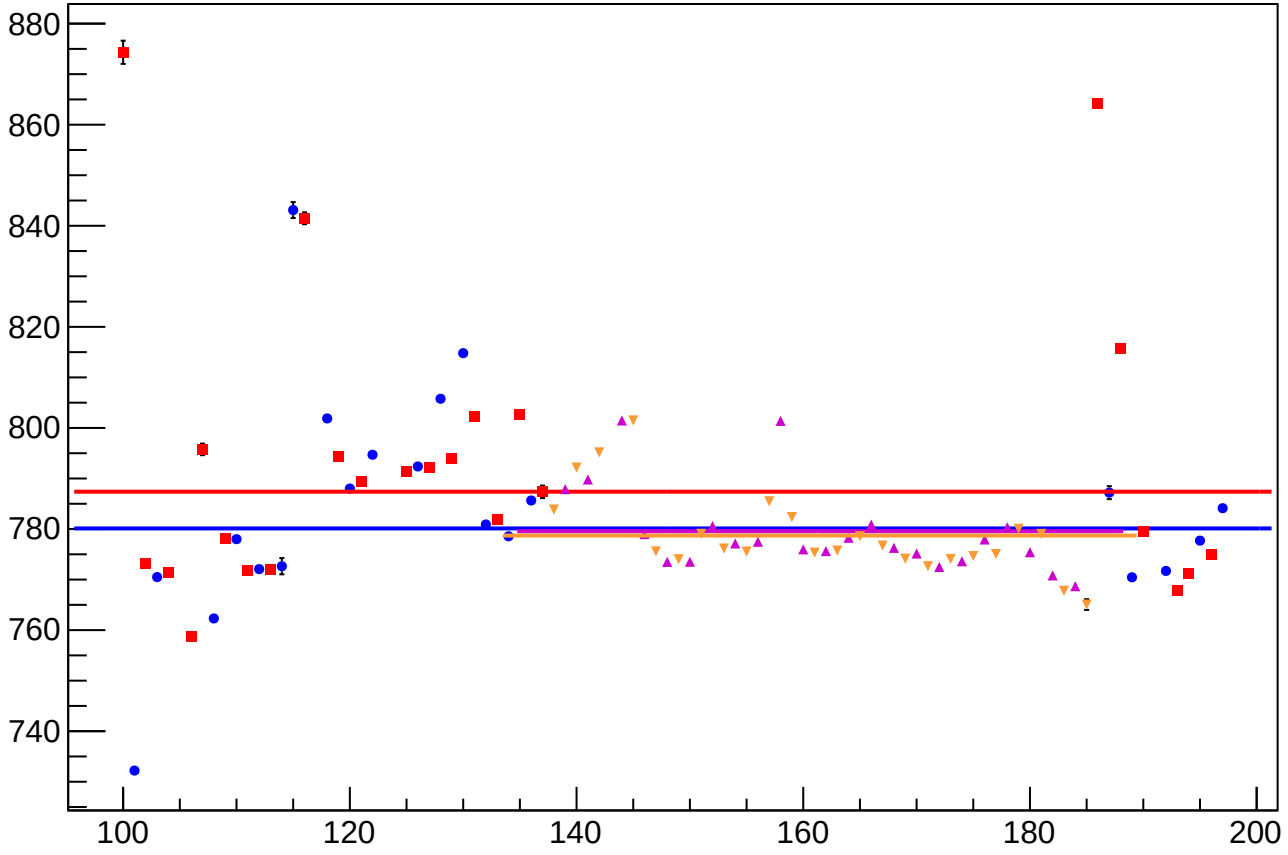
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1978.452+/-144.158 χ^2/NDF: 22.7/44

All: -48.255+/-101.554 χ^2/NDF: 460.7/91

- sign -2044.916+/-143.085 χ^2/NDF: 45.6/46

reg_asym_us_avg_rms vs Slug



Right In: 780.118+/-0.169 χ^2/NDF: 12864.1/20

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

Right Out: 787.392+/-0.164 χ^2/NDF: 18404.8/23

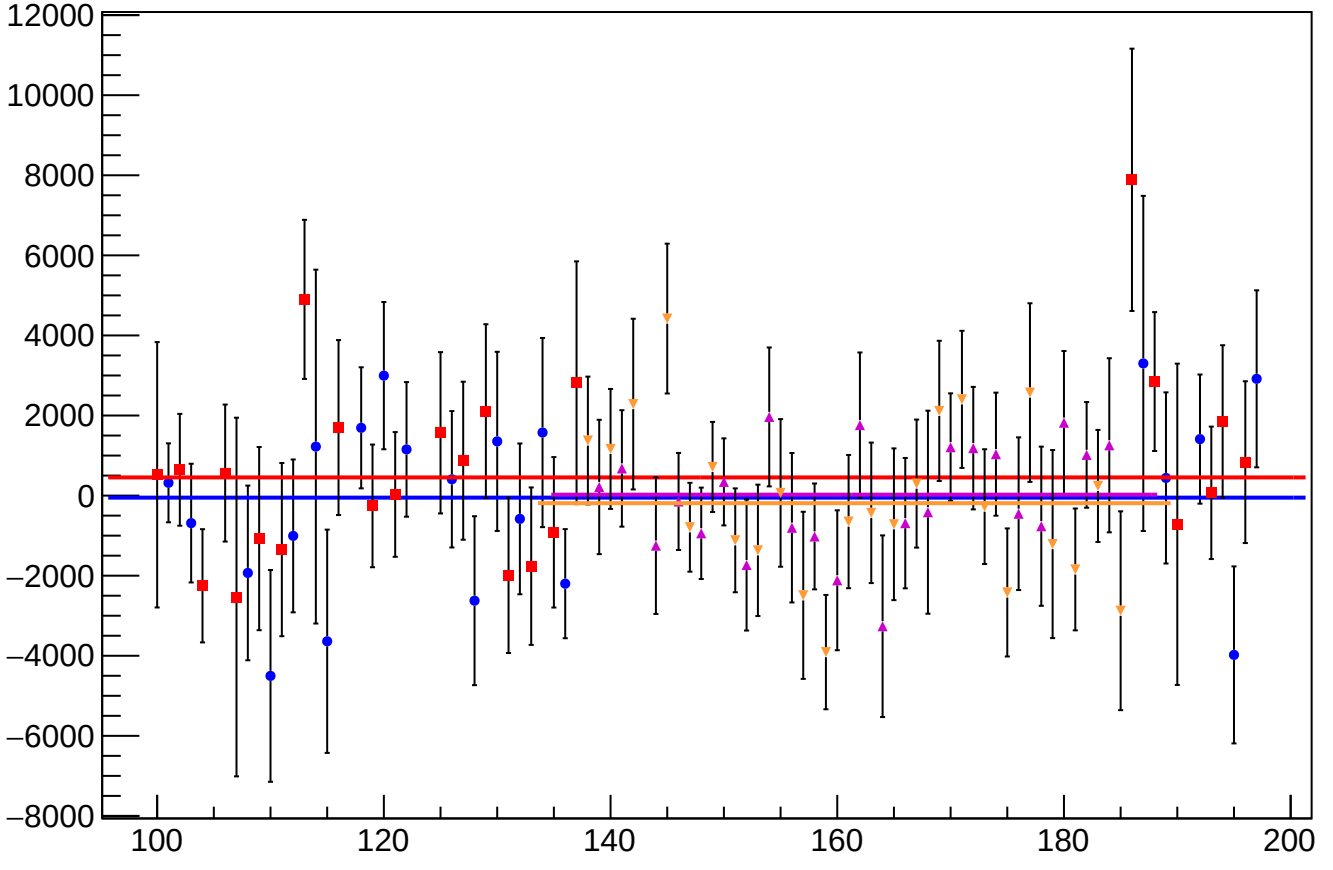
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.221+/-0.102 χ^2/NDF: 16298.1/44

All: 780.904+/-0.072 χ^2/NDF: 40826.3/91

- sign 782.562+/-0.101 χ^2/NDF: 23987.2/46

asym_us_avg_reg_correction_mean vs Slug



Right In: -50.697+/-401.048 χ^2/NDF: 22.0/20

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

Right Out: 454.116+/-401.332 χ^2/NDF: 23.6/23

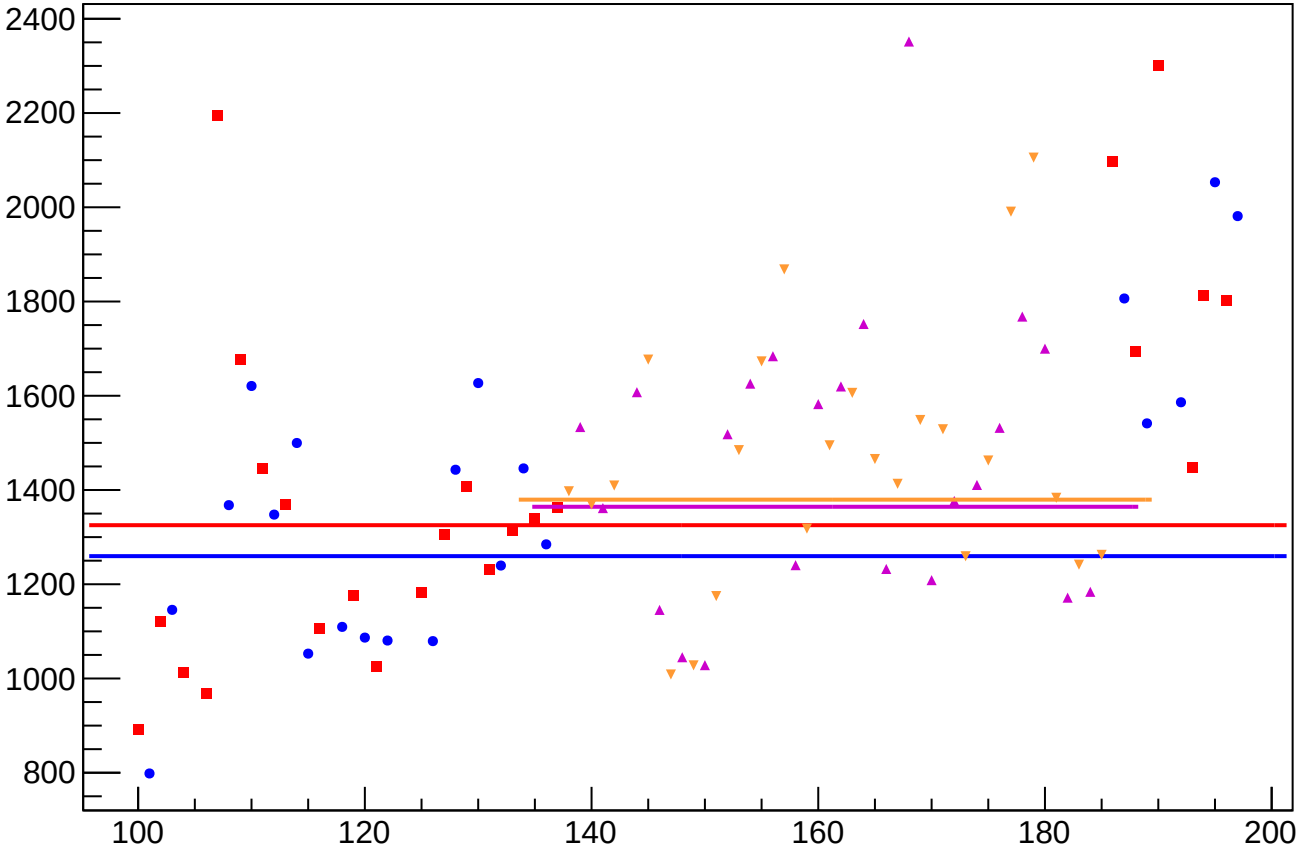
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -133.638+/-253.747 χ^2/NDF: 51.6/44

All: 31.054+/-179.144 χ^2/NDF: 90.2/91

- sign 194.711+/-252.949 χ^2/NDF: 37.8/46

asym_us_avg_reg_correction_rms vs Slug



Right In: 1259.653+/-0.284 χ^2/NDF: 1299540.9/20

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

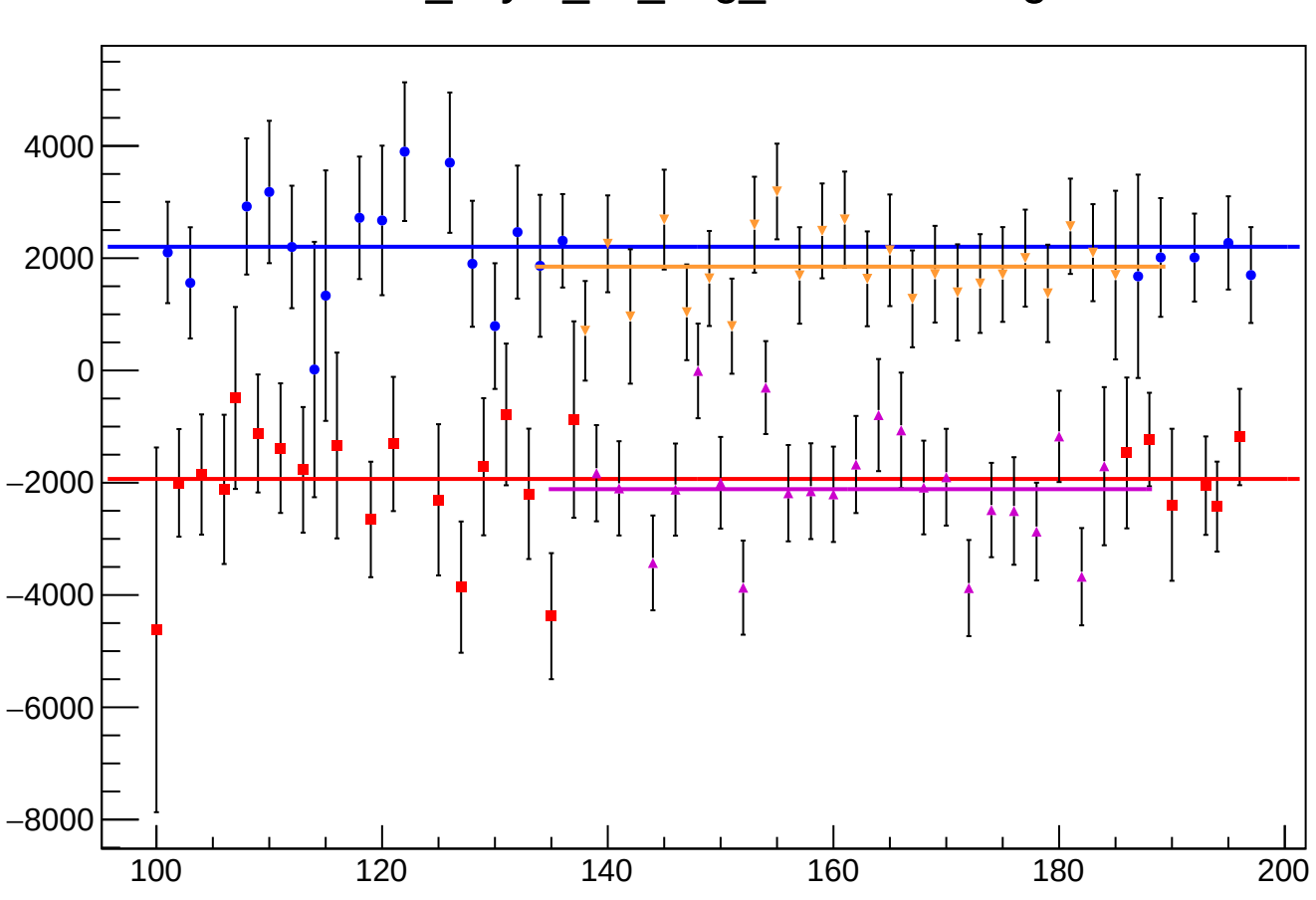
Right Out: 1325.329+/-0.284 χ^2/NDF: 1097712.2/23

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

+ sign 1331.544+/-0.179 χ^2/NDF: 2565178.8/44

All: 1340.242+/-0.127 χ^2/NDF: 4991308.7/91

- sign 1348.886+/-0.179 χ^2/NDF: 2421444.3/46



Right In: 2203.765+/-238.994 χ^2/NDF: 8.5/20

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

Right Out: -1932.487+/-231.474 χ^2/NDF: 14.2/23

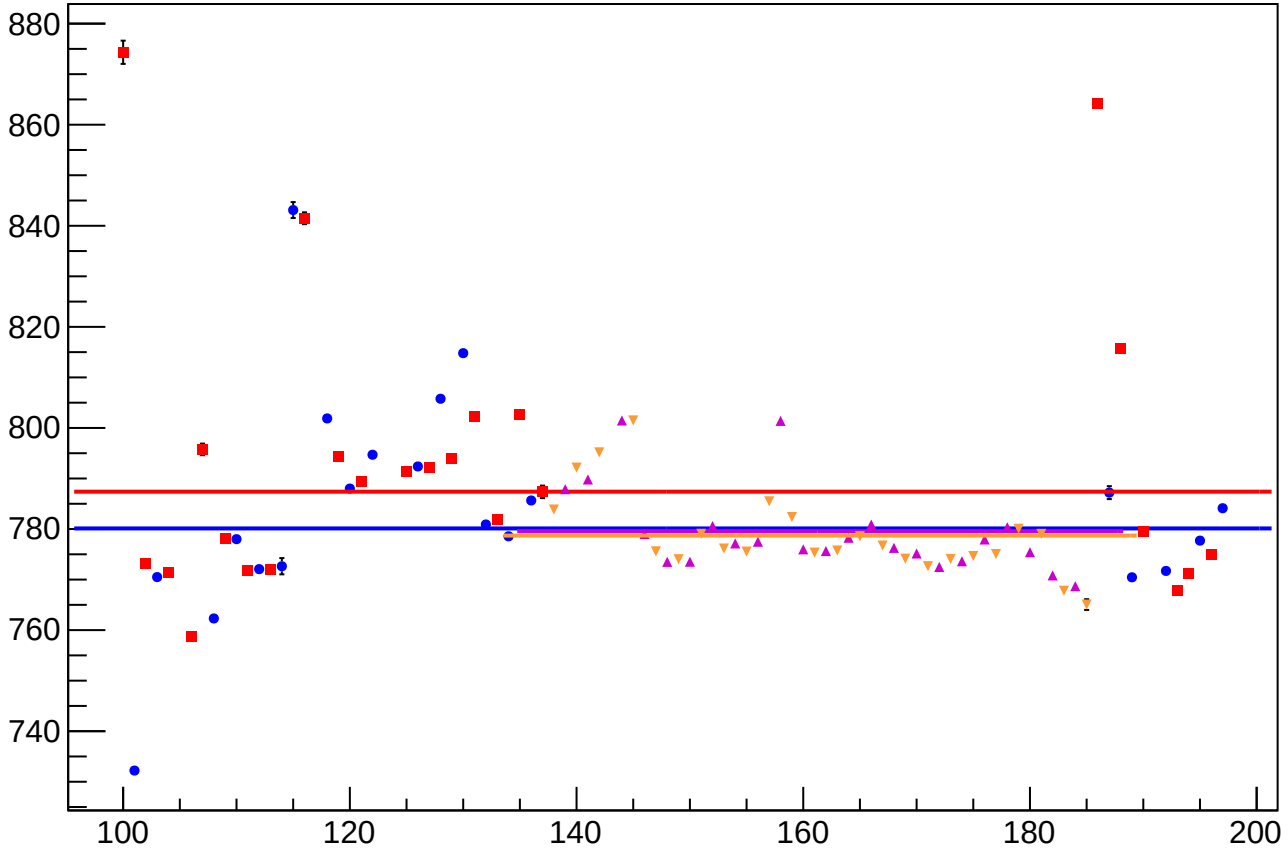
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1978.452+/-144.158 χ^2/NDF: 22.7/44

All: -48.255+/-101.554 χ^2/NDF: 460.7/91

- sign -2044.916+/-143.085 χ^2/NDF: 45.6/46

cor_asym_us_avg_rms vs Slug



Right In: 780.118+/-0.169 χ^2/NDF: 12864.1/20

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

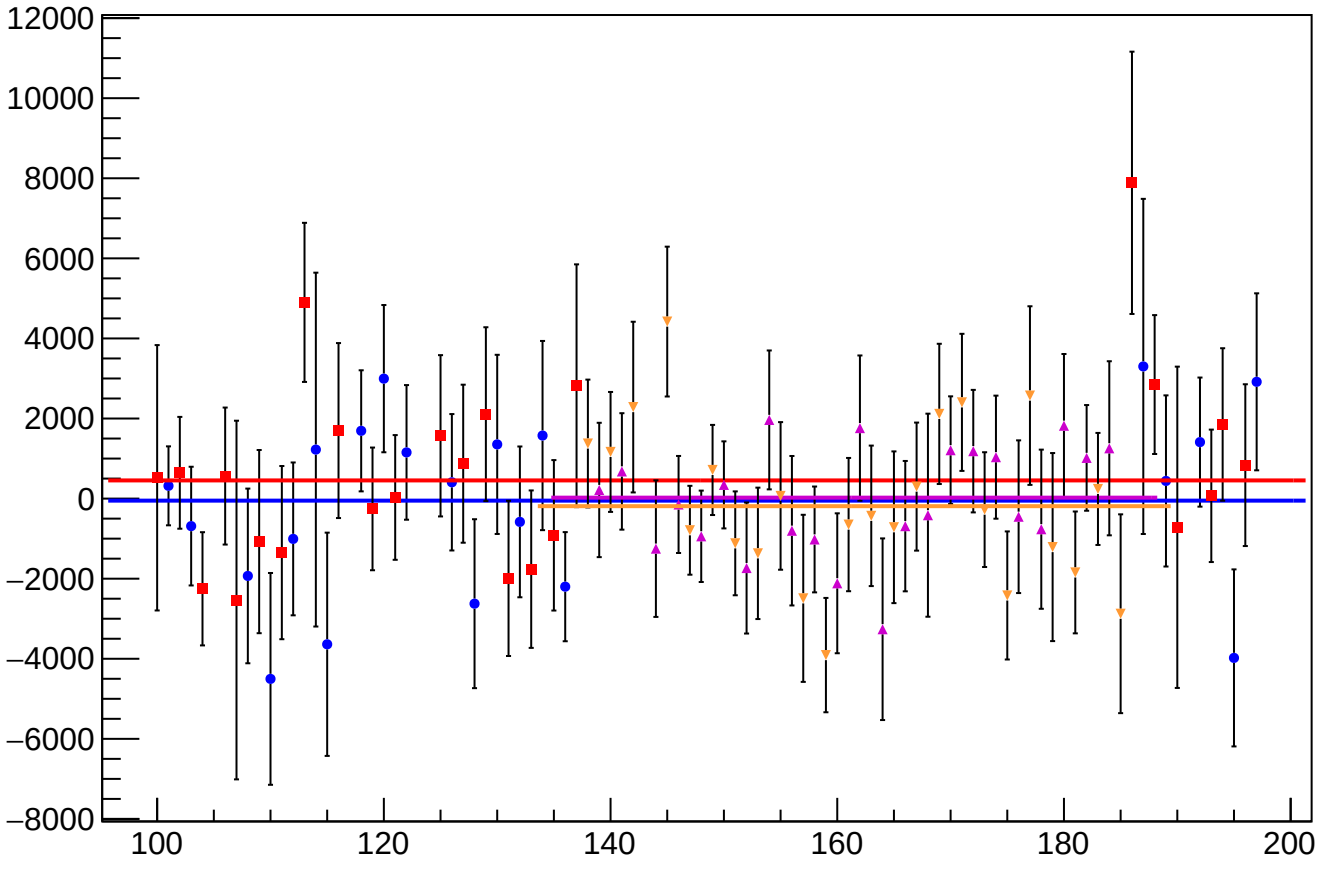
Right Out: 787.392+/-0.164 χ^2/NDF: 18404.8/23

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

+ sign 779.221+/-0.102 χ^2/NDF: 16298.1/44

All: 780.904+/-0.072 χ^2/NDF: 40826.3/91

- sign 782.562+/-0.101 χ^2/NDF: 23987.2/46



Right In: -50.697+/-401.048 χ^2/NDF: 22.0/20

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

Right Out: 454.116+/-401.332 χ^2/NDF: 23.6/23

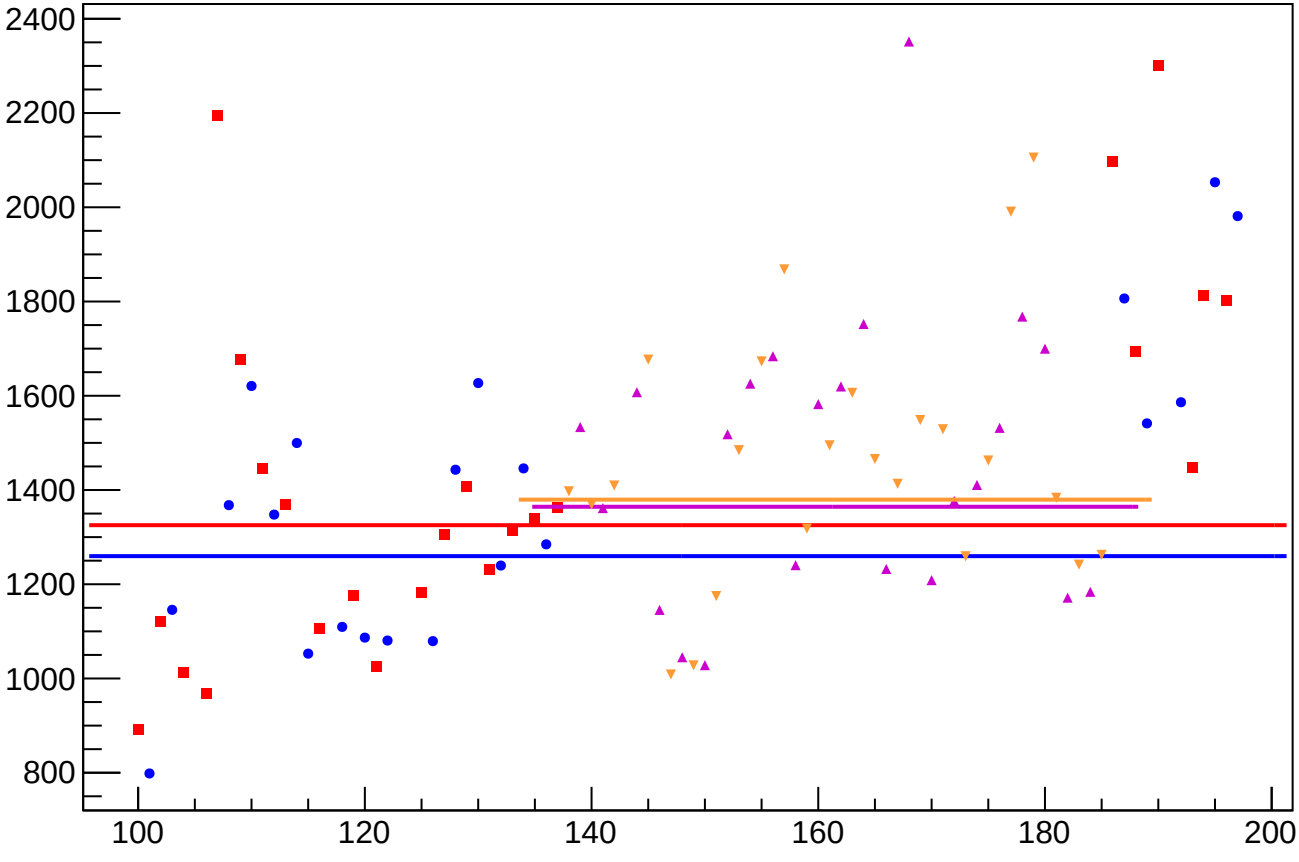
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -133.638+/-253.747 χ^2/NDF: 51.6/44

All: 31.054+/-179.144 χ^2/NDF: 90.2/91

- sign 194.711+/-252.949 χ^2/NDF: 37.8/46

asym_us_avg_cor_correction_rms vs Slug



Right In: 1259.653+/-0.284 χ^2/NDF: 1299540.9/20

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

Right Out: 1325.329+/-0.284 χ^2/NDF: 1097712.2/23

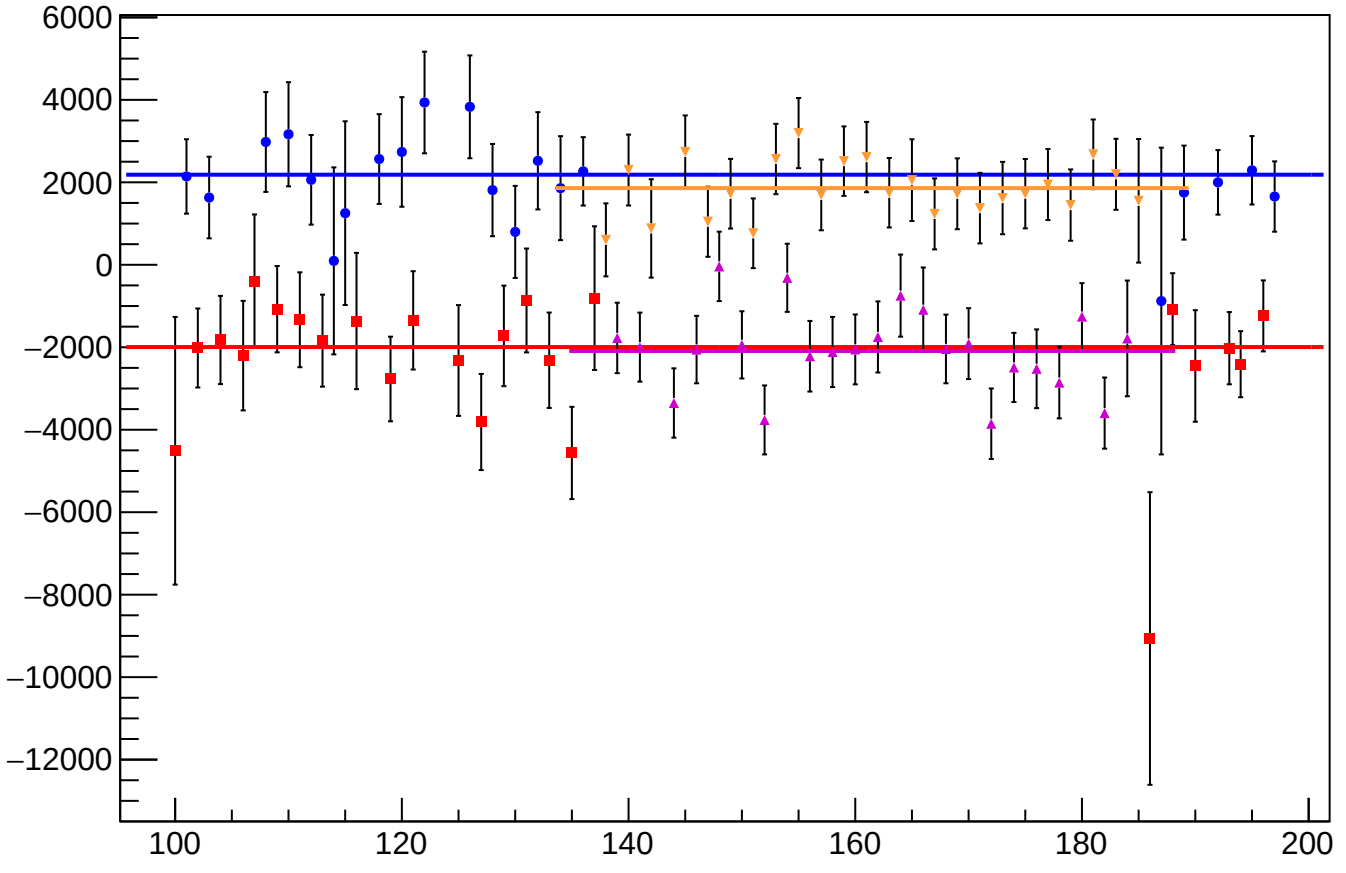
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1331.544+/-0.179 χ^2/NDF: 2565178.8/44

All: 1340.242+/-0.127 χ^2/NDF: 4991308.7/91

- sign 1348.886+/-0.179 χ^2/NDF: 2421444.3/46

overload_cor_asym_us_avg_mean vs Slug



Right In: 2184.827+/-241.001 χ^2/NDF: 9.5/20

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

Right Out: -1994.683+/-234.955 χ^2/NDF: 19.1/23

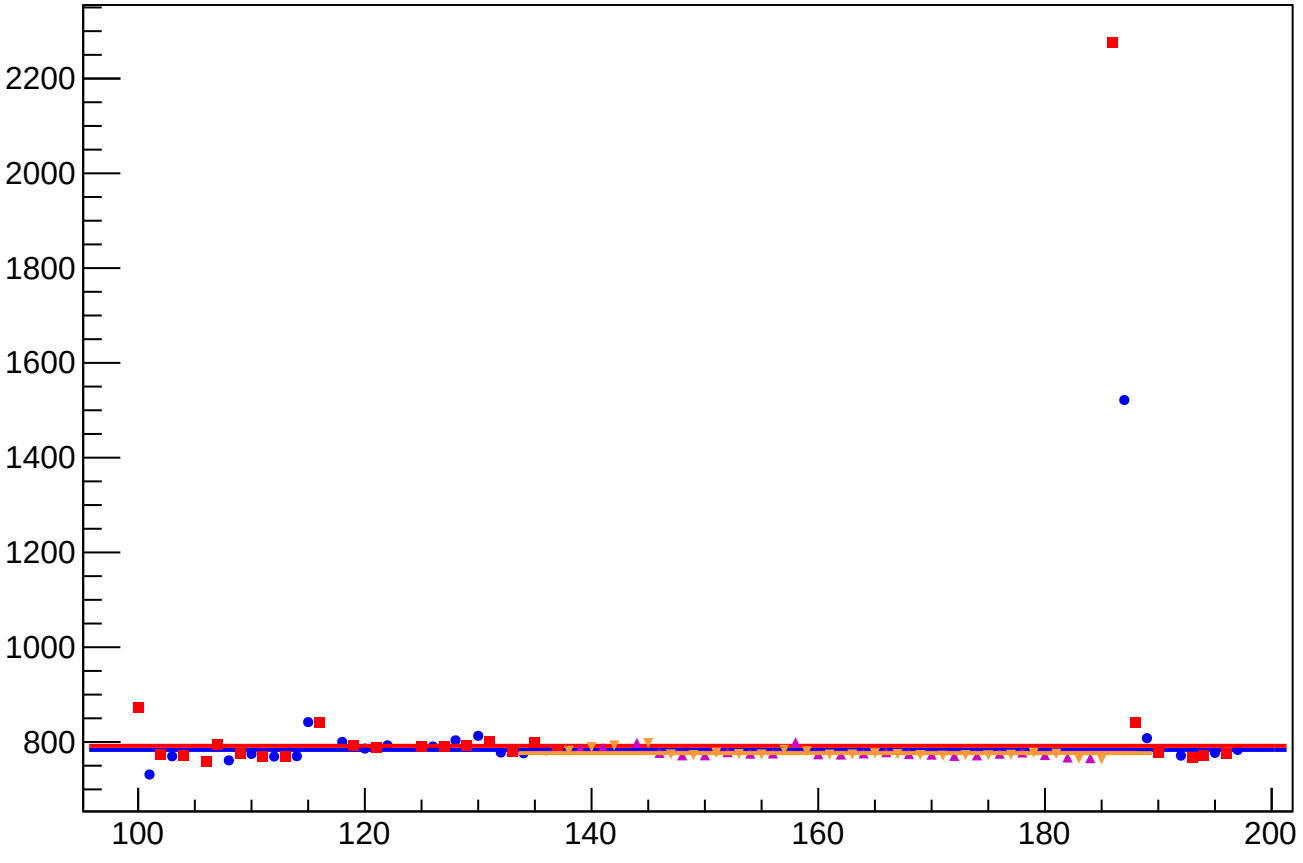
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 1976.204+/-144.334 χ^2/NDF: 24.2/44

All: -48.553+/-101.815 χ^2/NDF: 464.8/91

- sign -2054.055+/-143.646 χ^2/NDF: 48.9/46

overload_cor_asym_us_avg_rms vs Slug



Right In: 783.340+/-0.170 χ^2/NDF: 92690.0/20

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

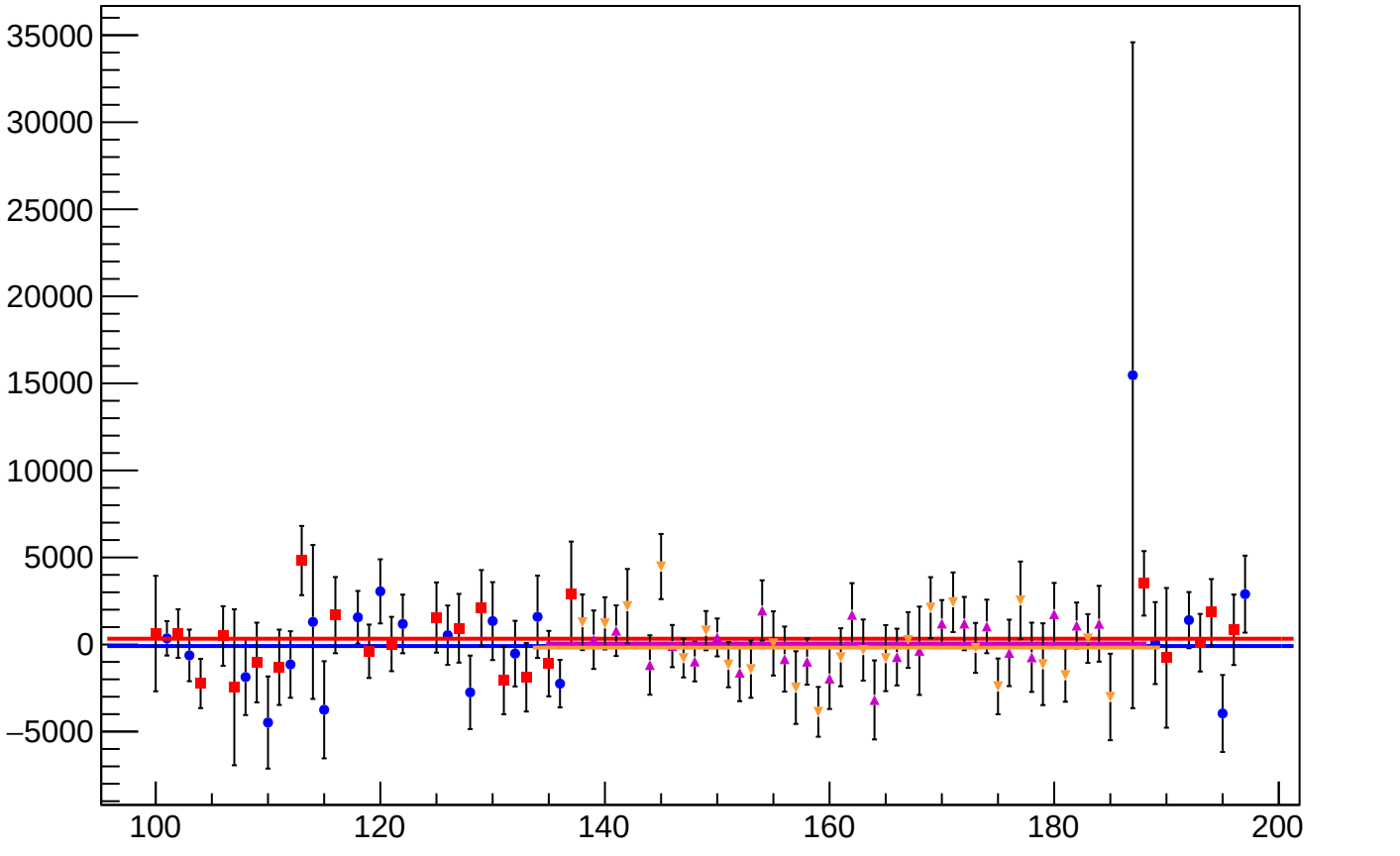
Right Out: 791.928+/-0.166 χ^2/NDF: 368619.0/23

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

+ sign 778.968+/-0.102 χ^2/NDF: 96853.5/44

All: 780.912+/-0.072 χ^2/NDF: 475036.8/91

- sign 782.838+/-0.102 χ^2/NDF: 377460.9/46



Right In: -88.205+/-404.429 χ^2/NDF: 22.1/20

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

Right Out: 331.576+/-406.059 χ^2/NDF: 19.4/22

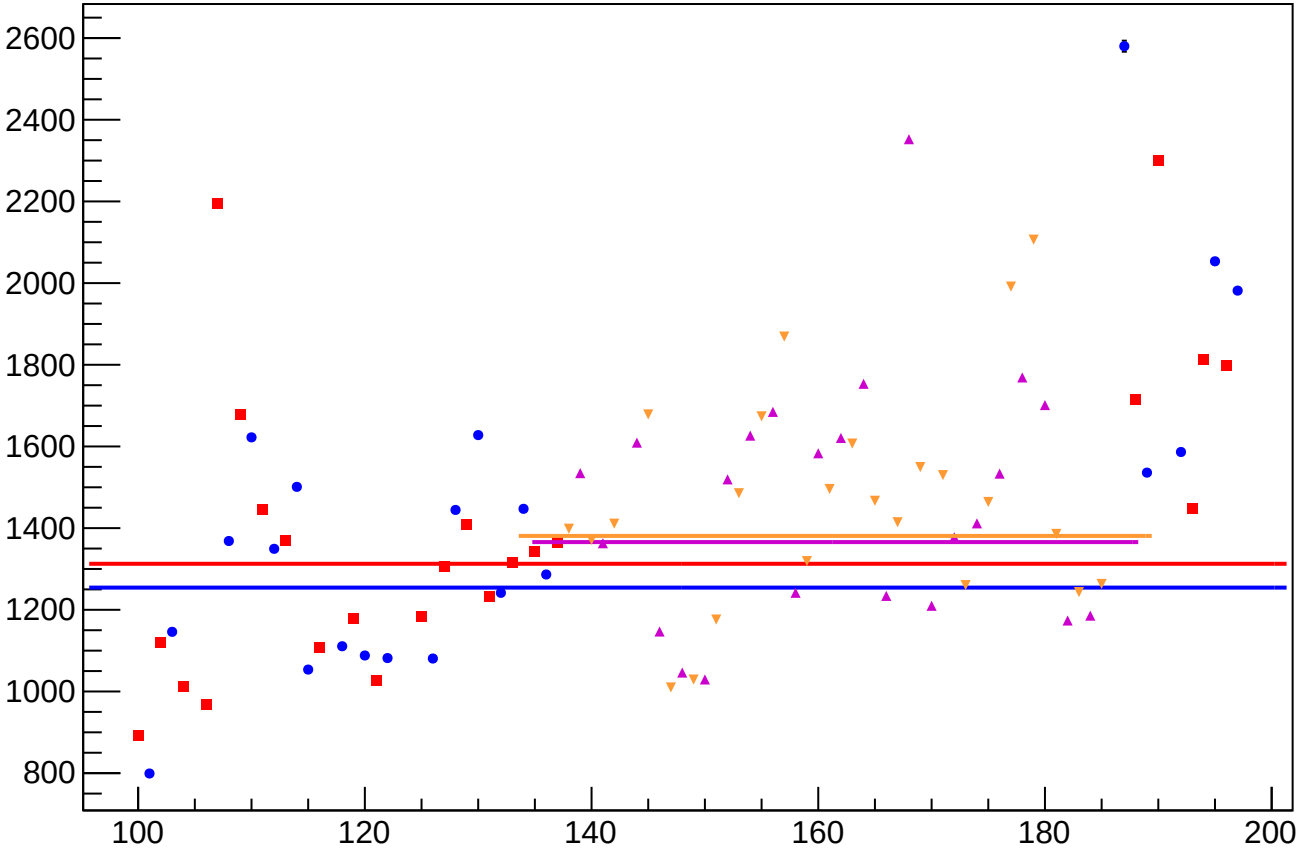
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -140.522+/-254.746 χ^2/NDF: 51.8/44

All: 11.084+/-179.964 χ^2/NDF: 85.1/90

- sign 162.124+/-254.270 χ^2/NDF: 32.6/45

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1254.386+/-0.286 χ^2/NDF: 1265028.2/20

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

Right Out: 1312.693+/-0.287 χ^2/NDF: 977223.6/22

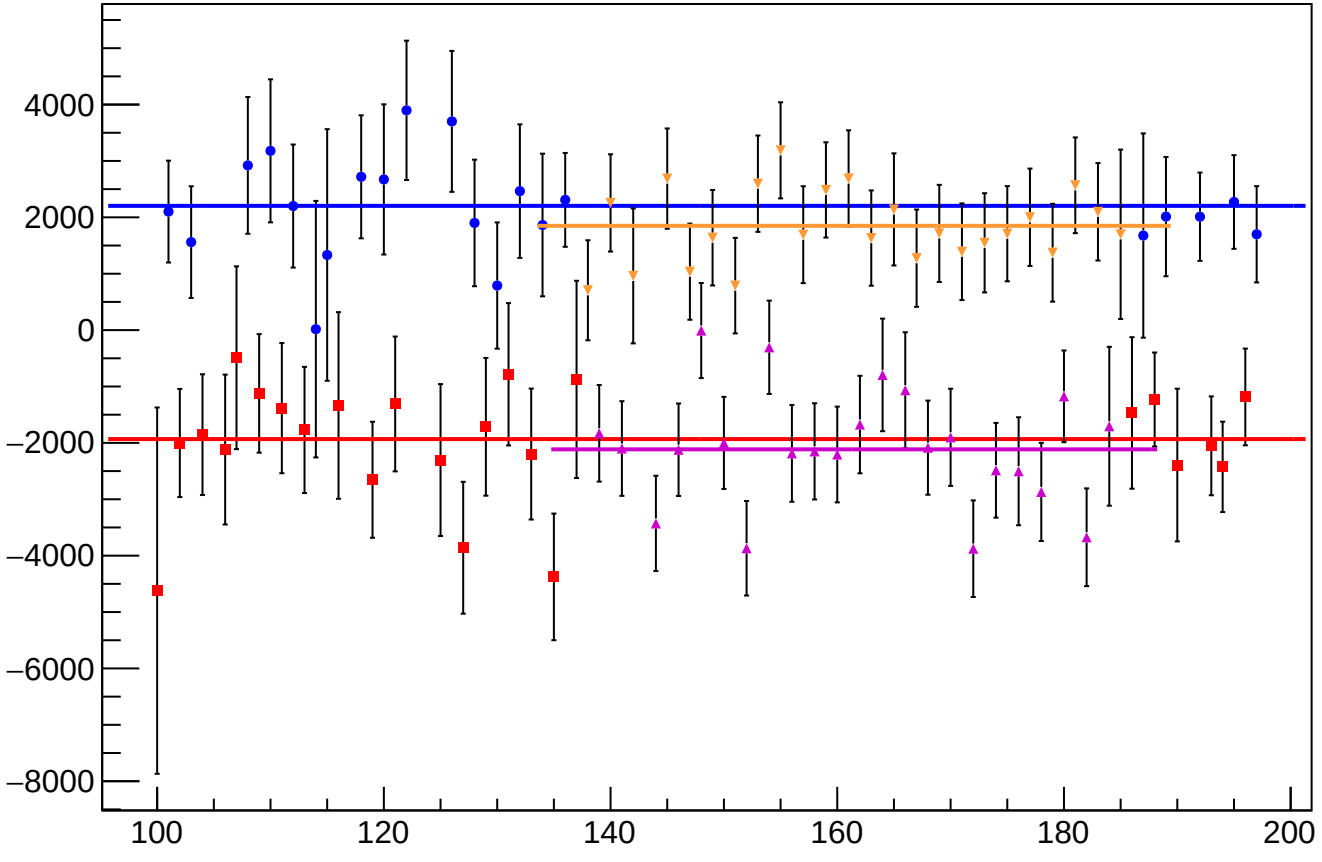
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1330.736+/-0.180 χ^2/NDF: 2538625.9/44

All: 1337.873+/-0.127 χ^2/NDF: 4848650.4/90

- sign 1344.983+/-0.180 χ^2/NDF: 2306890.8/45

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2203.765+/-238.994 χ^2/NDF: 8.5/20

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

Right Out: -1932.487+/-231.474 χ^2/NDF: 14.2/23

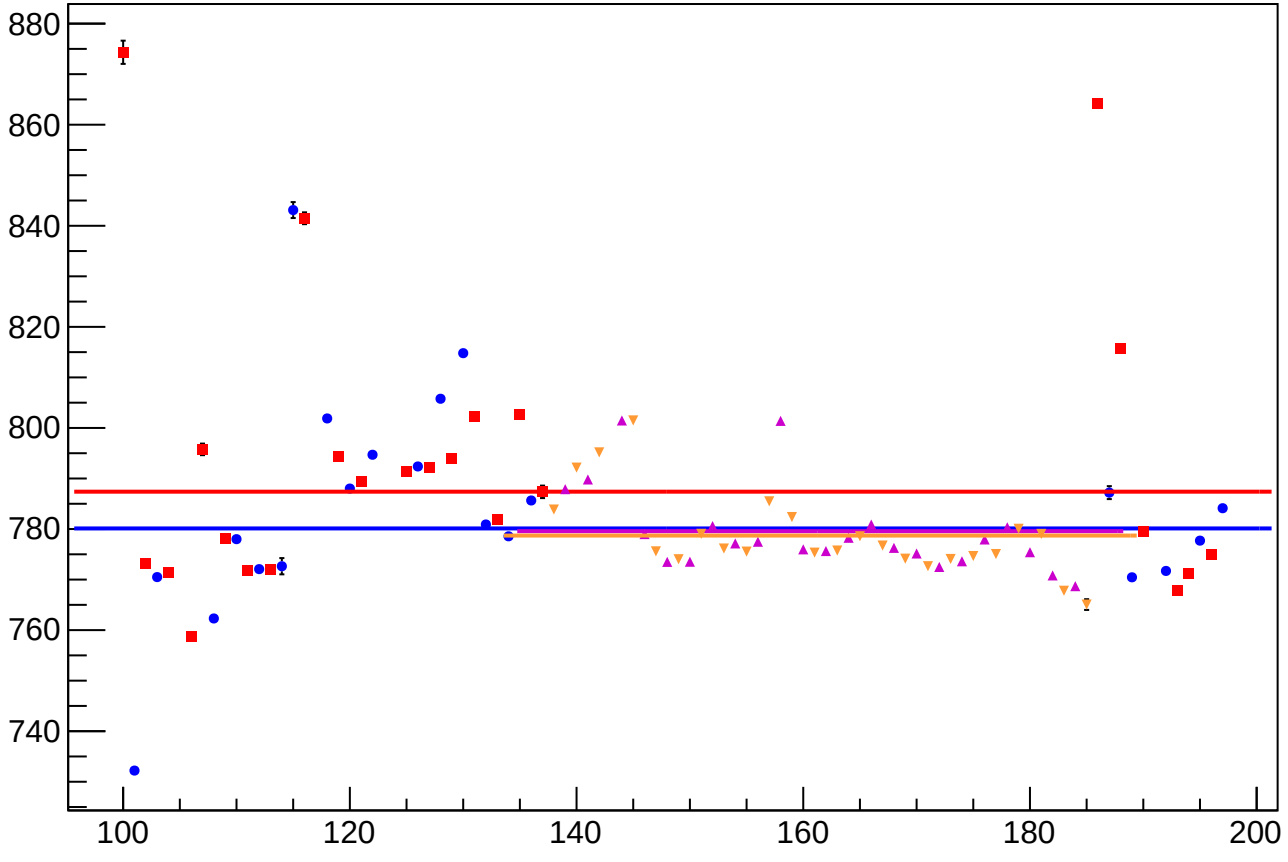
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1978.452+/-144.158 χ^2/NDF: 22.7/44

All: -48.255+/-101.554 χ^2/NDF: 460.7/91

- sign -2044.916+/-143.085 χ^2/NDF: 45.6/46

eigen_cor_asym_us_avg_rms vs Slug



Right In: 780.118+/-0.169 χ^2/NDF: 12864.1/20

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

Right Out: 787.392+/-0.164 χ^2/NDF: 18404.8/23

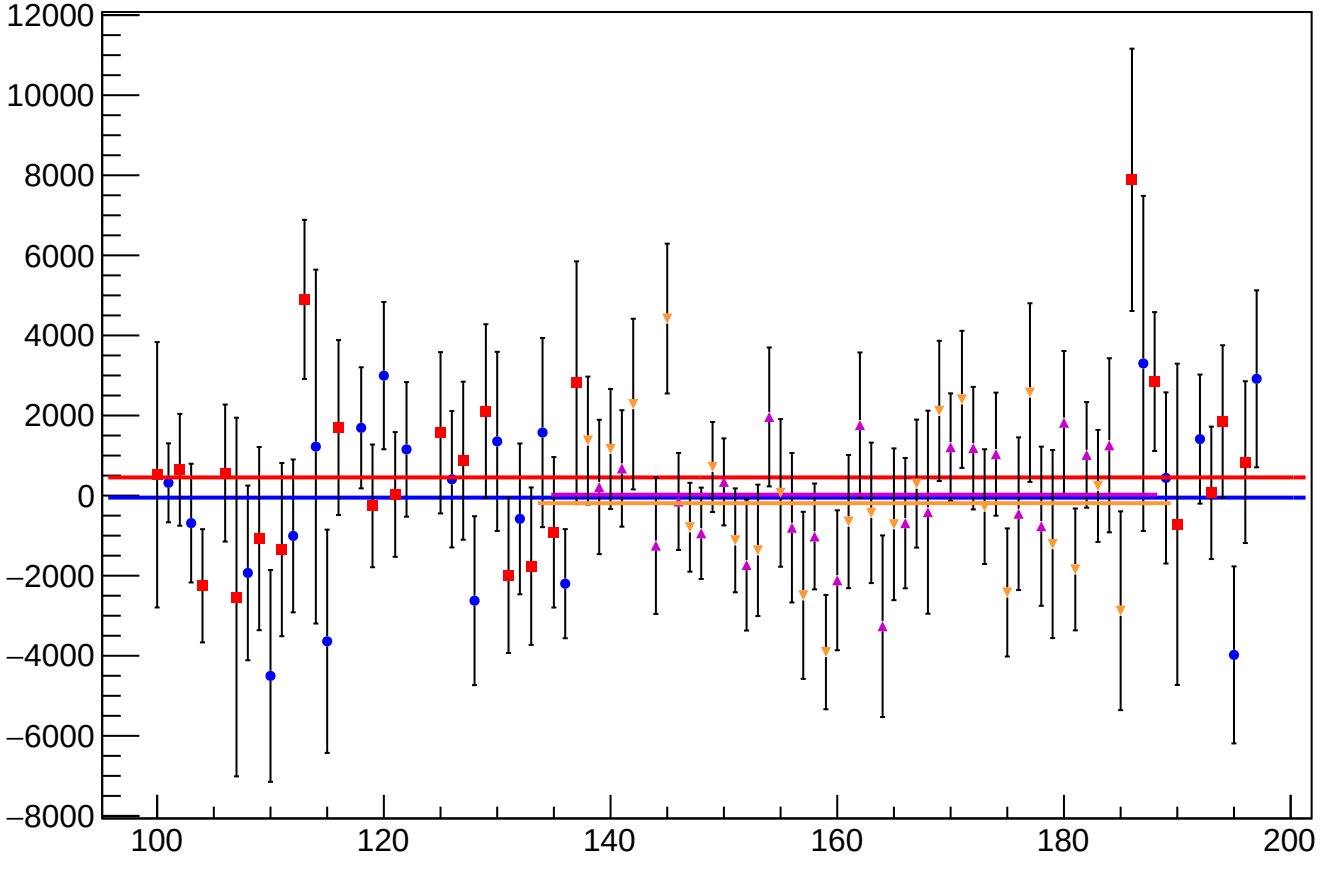
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.221+/-0.102 χ^2/NDF: 16298.1/44

All: 780.904+/-0.072 χ^2/NDF: 40826.3/91

- sign 782.562+/-0.101 χ^2/NDF: 23987.2/46

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: -50.697+/-401.048 χ^2/NDF: 22.0/20

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

Right Out: 454.116+/-401.332 χ^2/NDF: 23.6/23

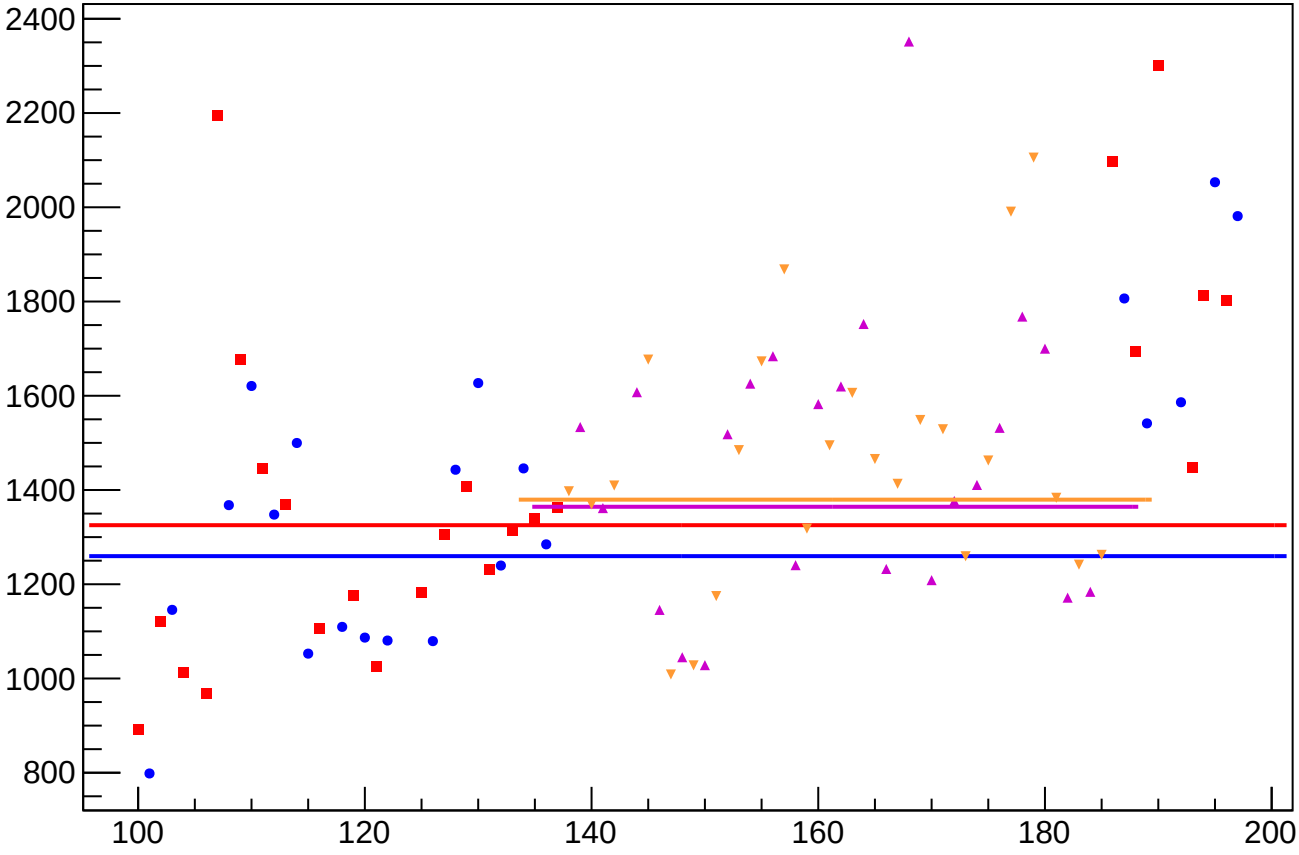
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -133.638+/-253.747 χ^2/NDF: 51.6/44

All: 31.054+/-179.144 χ^2/NDF: 90.2/91

- sign 194.711+/-252.949 χ^2/NDF: 37.8/46

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1259.653+/-0.284 χ^2/NDF: 1299540.9/20

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

Right Out: 1325.329+/-0.284 χ^2/NDF: 1097712.2/23

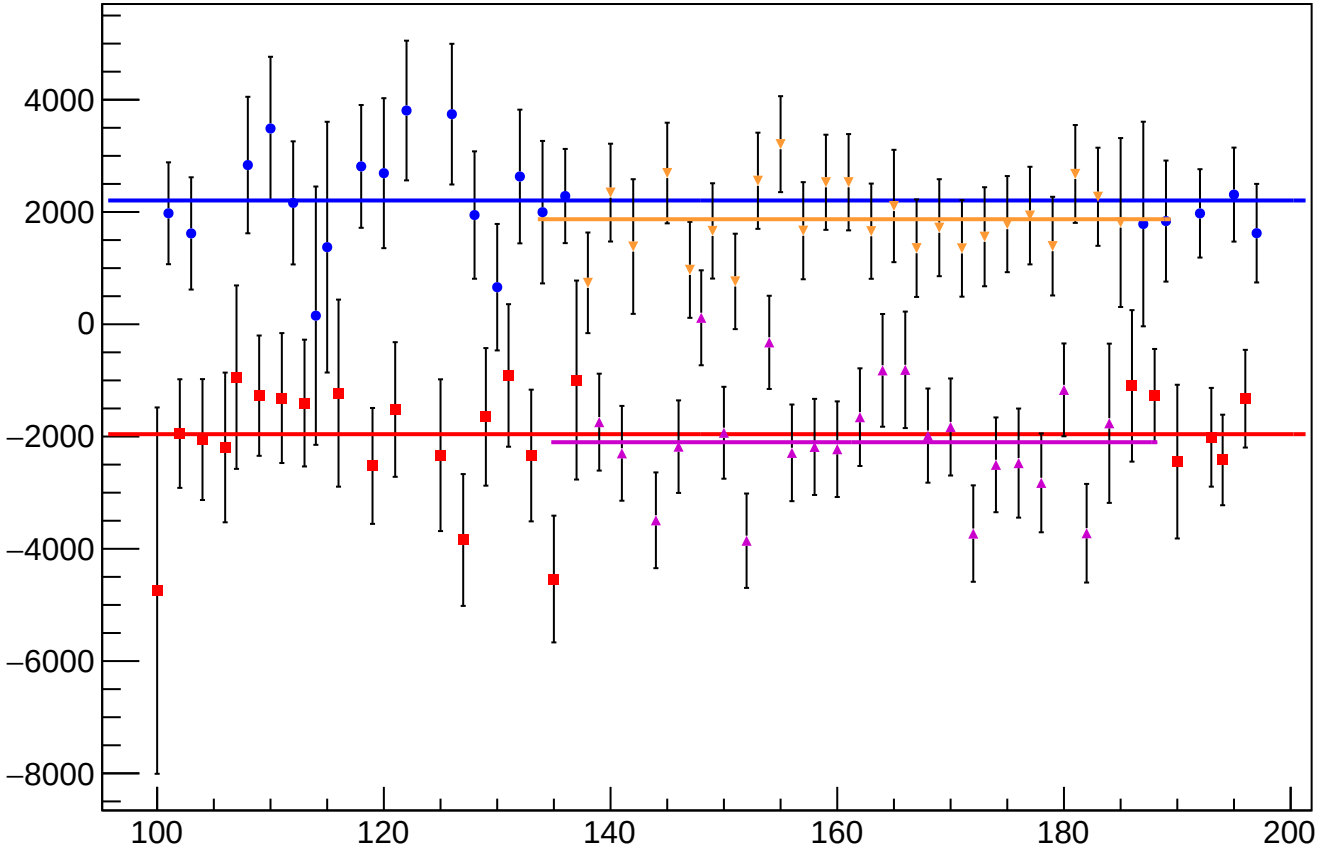
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1331.544+/-0.179 χ^2/NDF: 2565178.8/44

All: 1340.242+/-0.127 χ^2/NDF: 4991308.7/91

- sign 1348.886+/-0.179 χ^2/NDF: 2421444.3/46

dit_asym_us_avg_mean vs Slug



Right In: 2205.273+/-241.031 χ^2/NDF: 9.0/20

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

Right Out: -1957.925+/-233.063 χ^2/NDF: 13.8/23

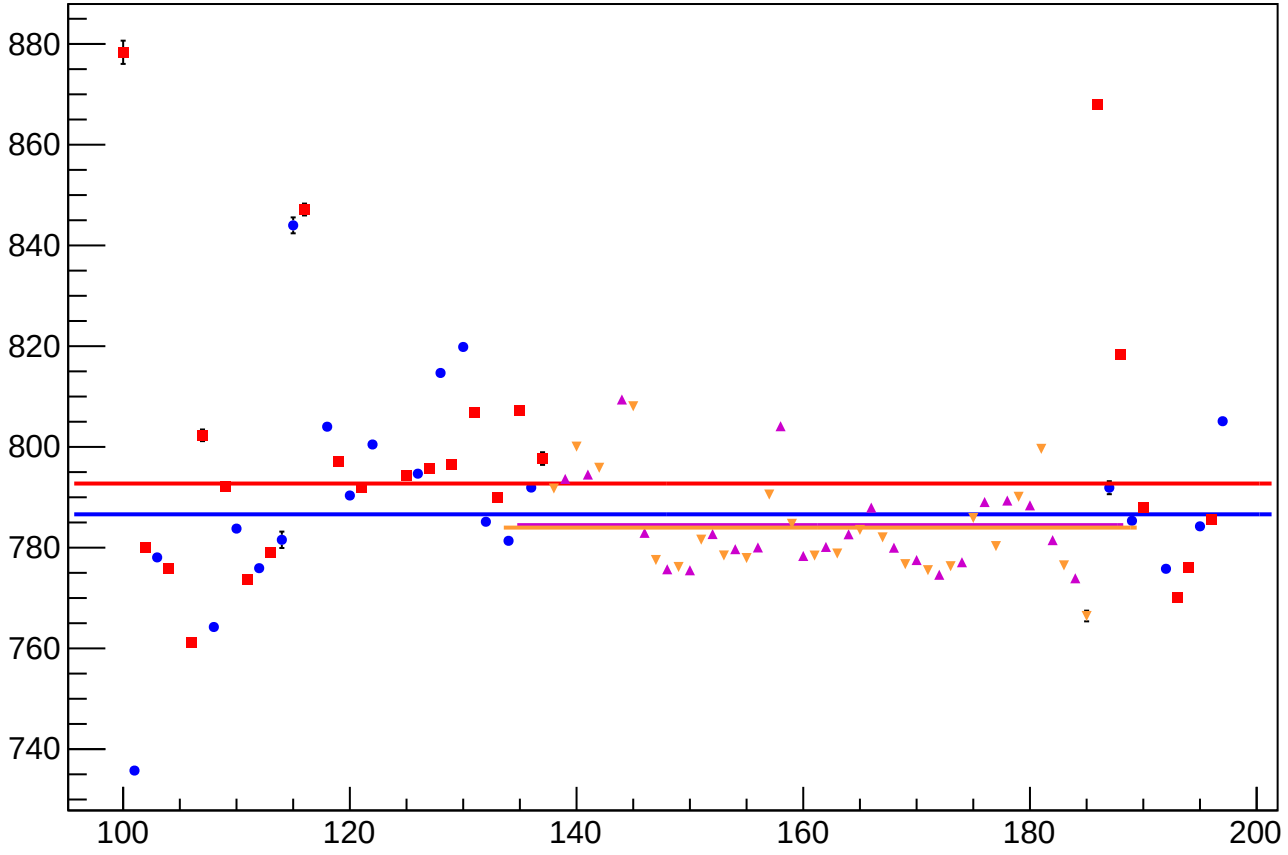
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1992.653+/-145.232 χ^2/NDF: 22.7/44

All: -43.804+/-102.263 χ^2/NDF: 458.5/91

- sign -2046.395+/-144.020 χ^2/NDF: 45.8/46

dit_asym_us_avg_rms vs Slug



Right In: 786.618+/-0.170 χ^2/NDF: 13873.2/20

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

Right Out: 792.730+/-0.165 χ^2/NDF: 17482.3/23

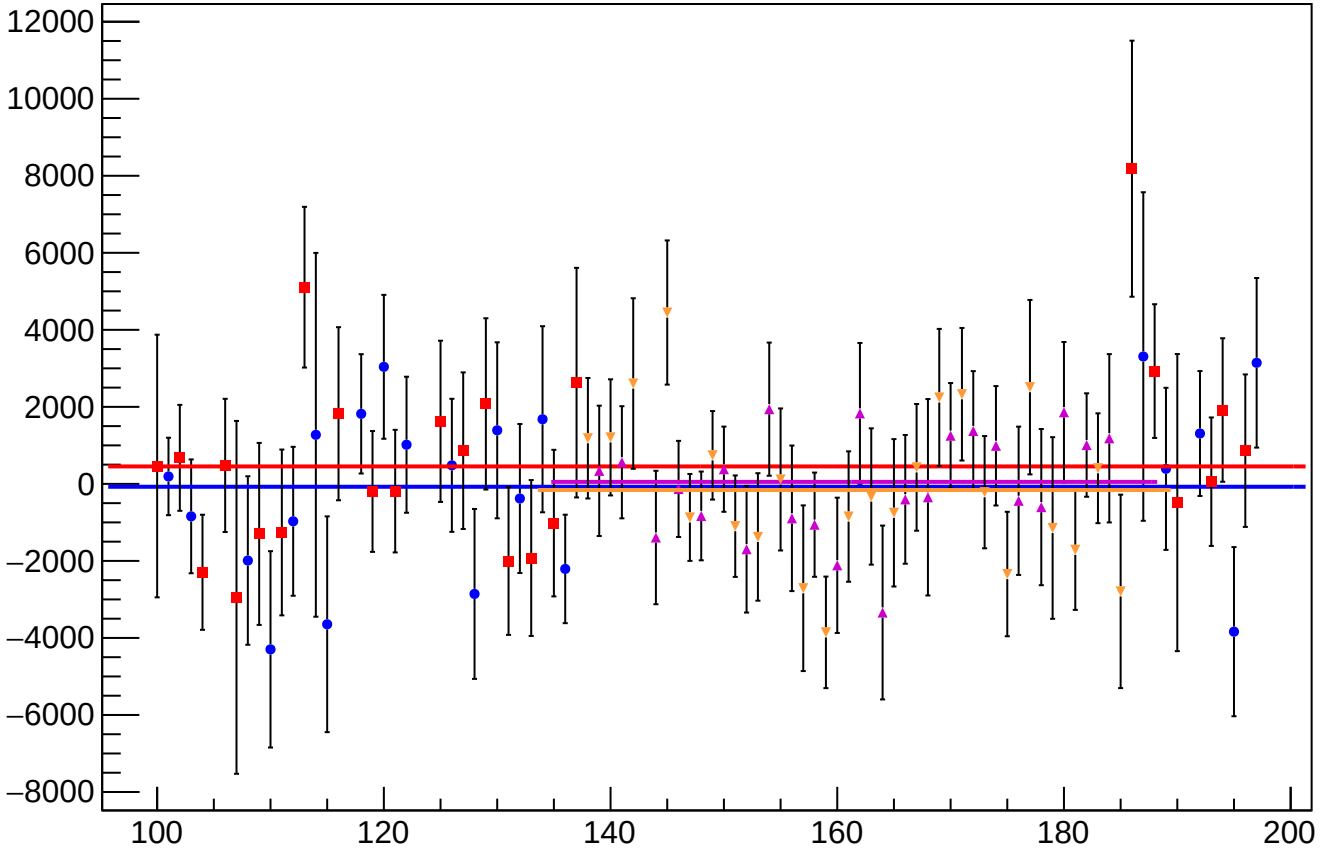
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.939+/-0.103 χ^2/NDF: 18953.7/44

All: 786.294+/-0.072 χ^2/NDF: 43260.8/91

- sign 787.626+/-0.102 χ^2/NDF: 23962.0/46

asym_us_avg_dit_correction_mean vs Slug



Right In: -74.567+/-407.466 χ^2/NDF: 21.9/20

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

Right Out: 453.307+/-406.979 χ^2/NDF: 24.1/23

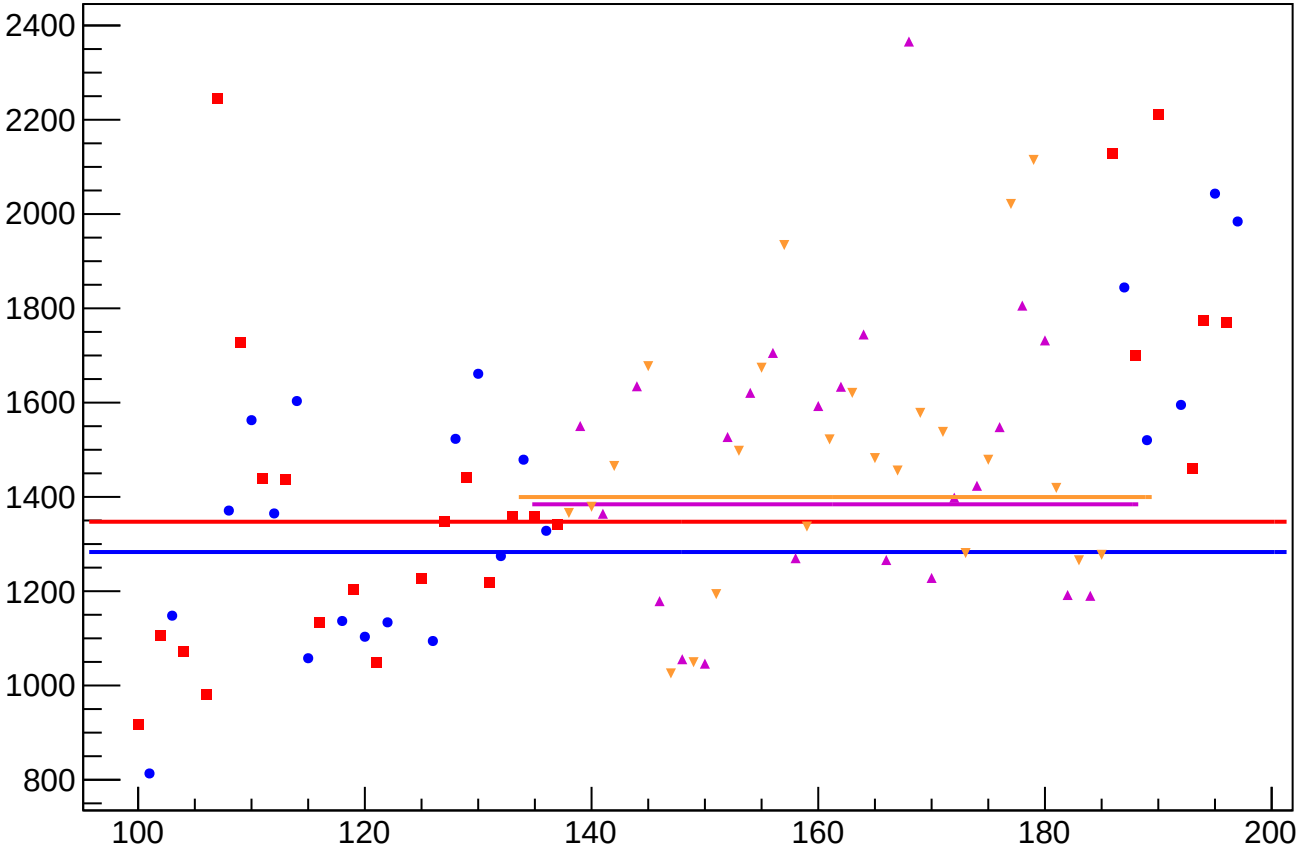
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -125.453+/-257.470 χ^2/NDF: 51.0/44

All: 43.608+/-181.686 χ^2/NDF: 89.9/91

- sign 211.294+/-256.421 χ^2/NDF: 38.1/46

asym_us_avg_dit_correction_rms vs Slug



Right In: 1283.108+/-0.288 χ^2/NDF: 1250766.1/20

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

Right Out: 1347.349+/-0.288 χ^2/NDF: 1010079.5/23

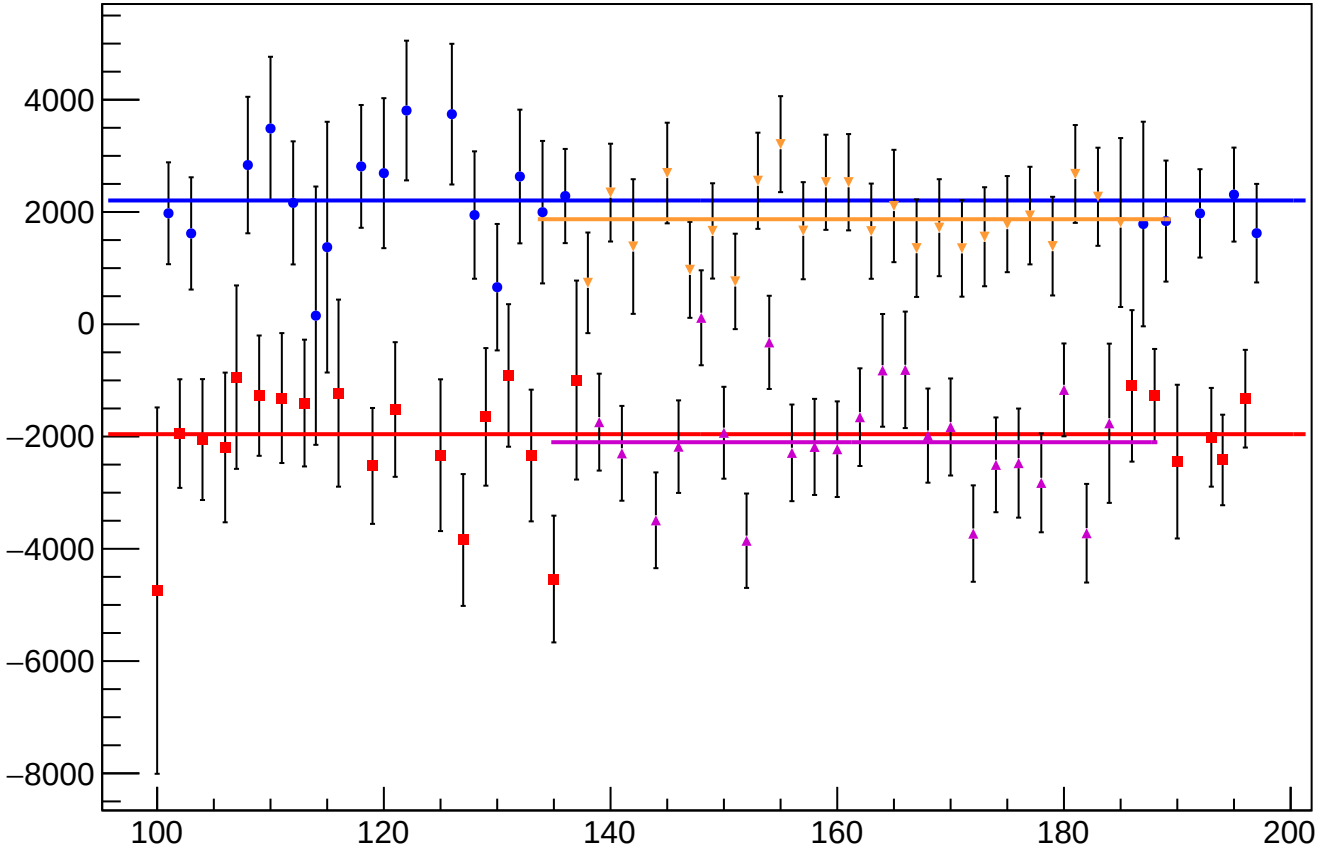
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1353.158+/-0.182 χ^2/NDF: 2485514.7/44

All: 1361.439+/-0.128 χ^2/NDF: 4779611.3/91

- sign 1369.652+/-0.181 χ^2/NDF: 2289976.3/46

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2205.271+/-241.031 χ^2/NDF: 9.0/20

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

Right Out: -1957.923+/-233.063 χ^2/NDF: 13.8/23

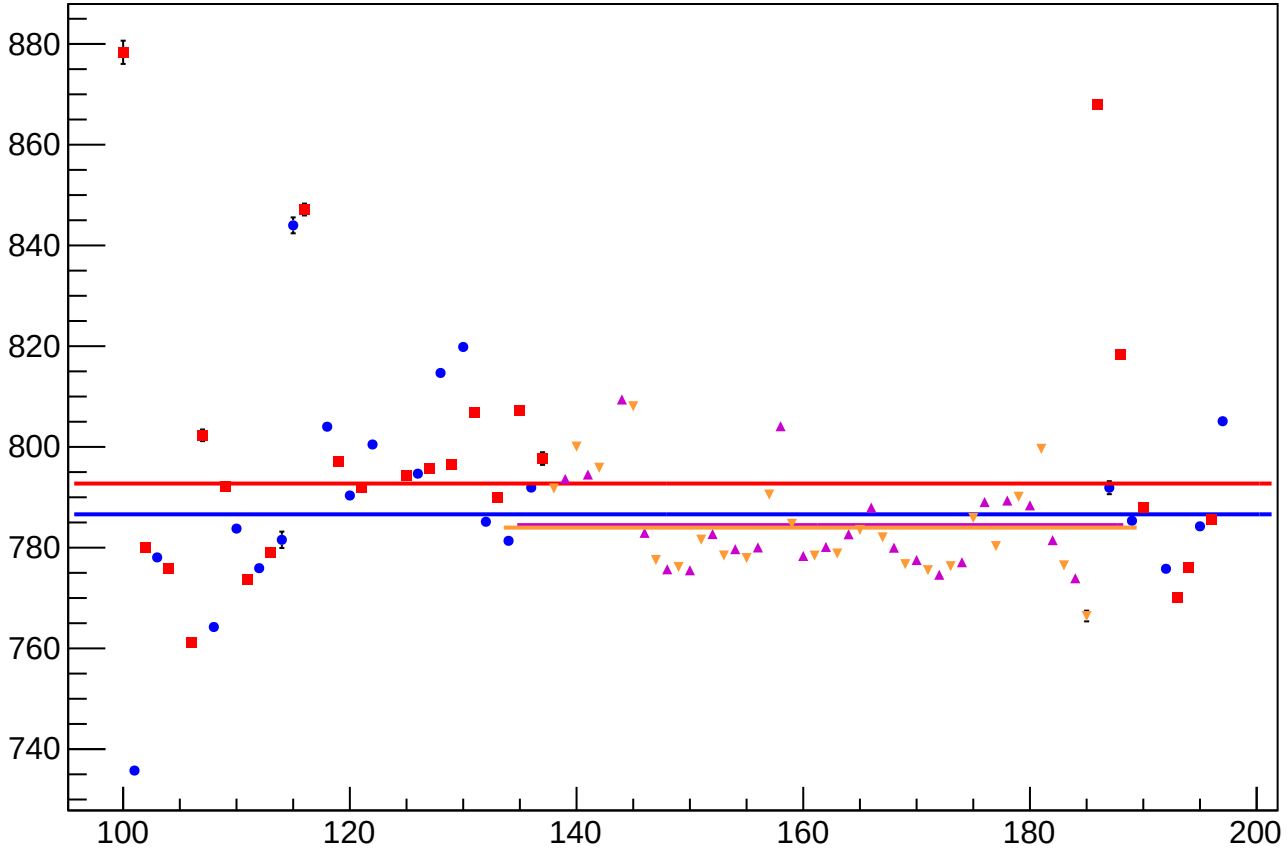
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1992.651+/-145.232 χ^2/NDF: 22.7/44

All: -43.805+/-102.263 χ^2/NDF: 458.5/91

- sign -2046.395+/-144.020 χ^2/NDF: 45.8/46

eigen_dit_asym_us_avg_rms vs Slug



Right In: 786.618+/-0.170 χ^2/NDF: 13873.2/20

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

Right Out: 792.730+/-0.165 χ^2/NDF: 17482.3/23

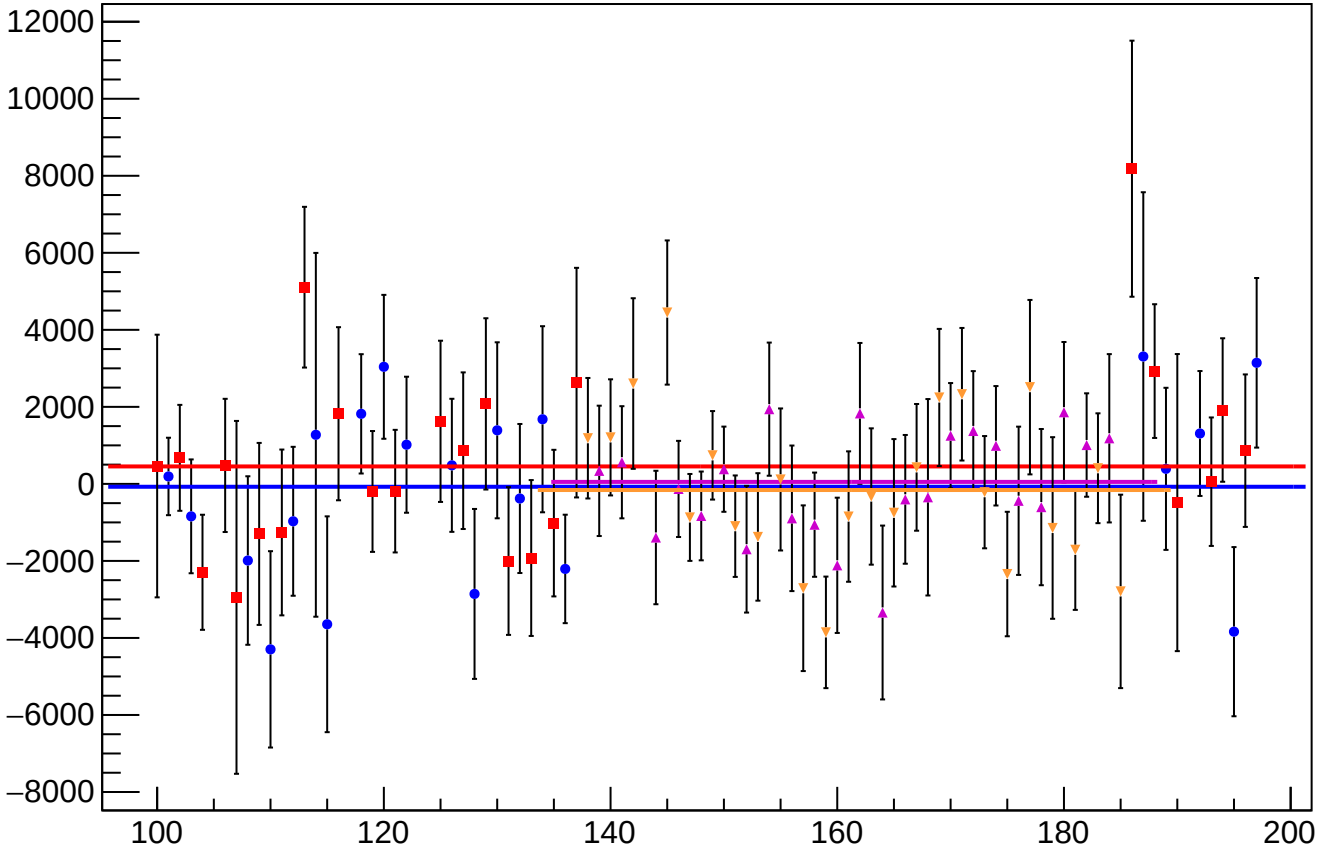
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.939+/-0.103 χ^2/NDF: 18953.7/44

All: 786.294+/-0.072 χ^2/NDF: 43260.7/91

- sign 787.626+/-0.102 χ^2/NDF: 23961.9/46

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: -74.566+/-407.465 χ^2/NDF: 21.9/20

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

Right Out: 453.304+/-406.978 χ^2/NDF: 24.1/23

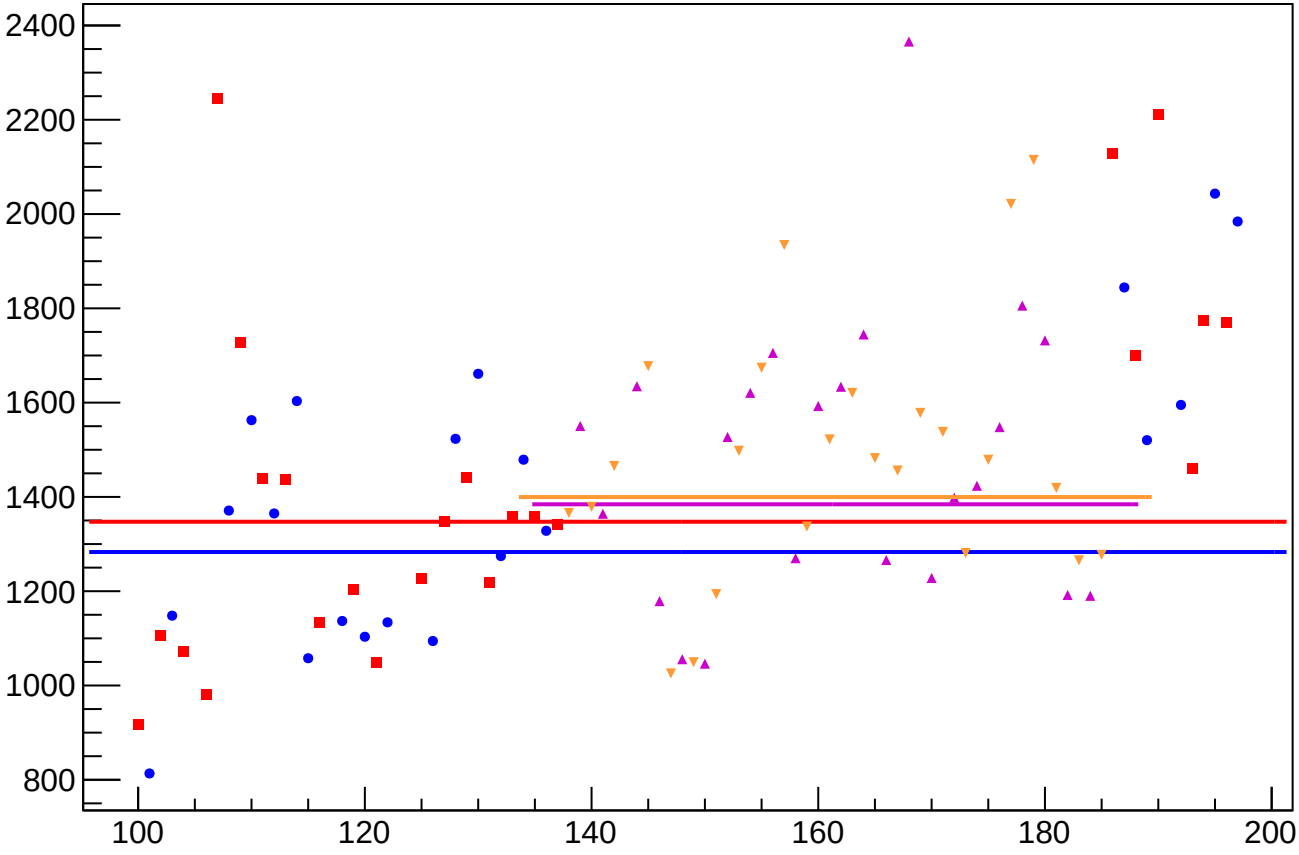
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

\+ sign -125.455+/-257.470 χ^2/NDF: 51.0/44

All: 43.606+/-181.686 χ^2/NDF: 89.9/91

\- sign 211.293+/-256.421 χ^2/NDF: 38.1/46

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1283.105+/-0.288 χ^2/NDF: 1250772.0/20

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

Right Out: 1347.346+/-0.288 χ^2/NDF: 1010087.5/23

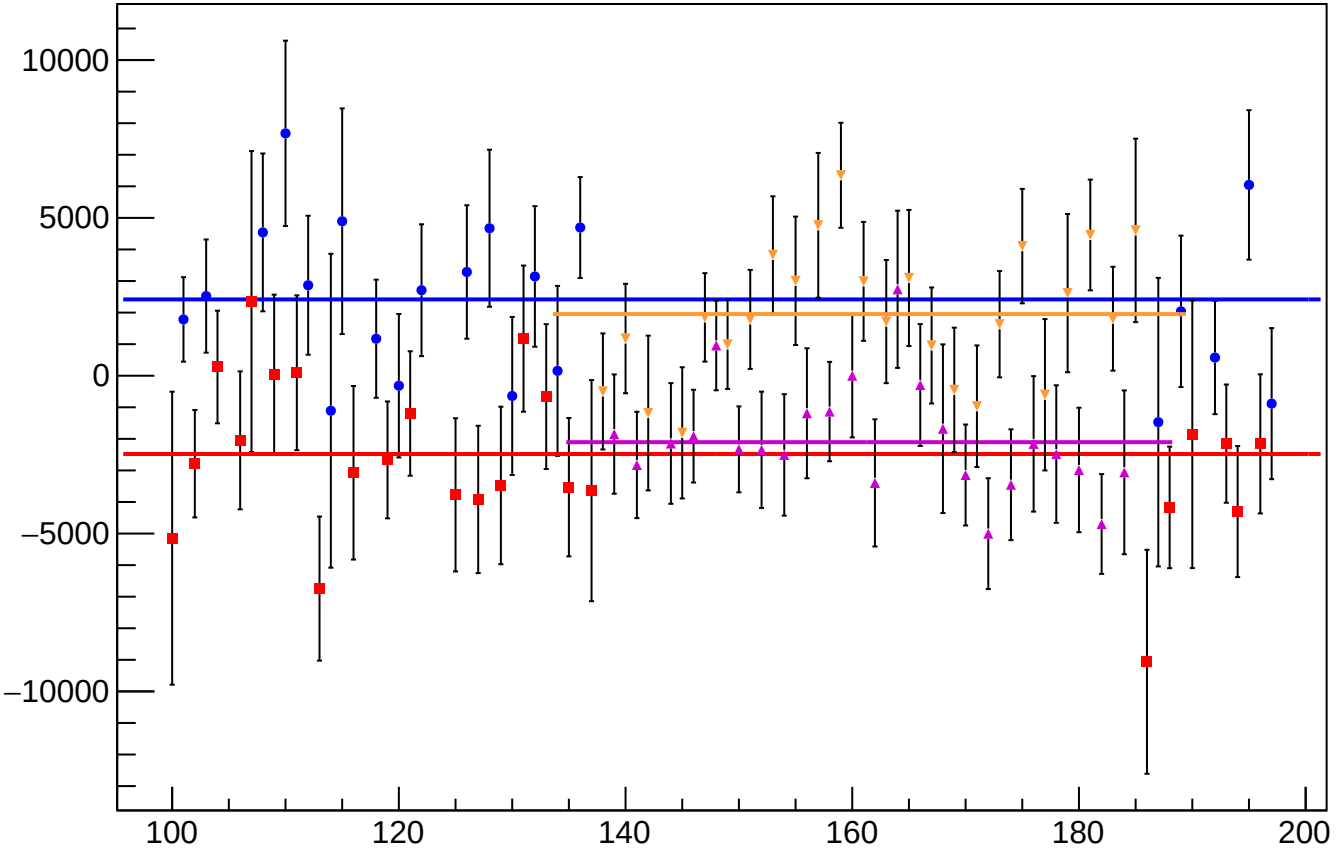
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1353.158+/-0.182 χ^2/NDF: 2485531.0/44

All: 1361.439+/-0.128 χ^2/NDF: 4779639.2/91

- sign 1369.652+/-0.181 χ^2/NDF: 2289987.9/46

asym_us_avg_mean vs Slug



Right In: 2417.277+/-480.019 χ^2/NDF: 18.5/20

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

Right Out: -2479.304+/-473.305 χ^2/NDF: 19.2/23

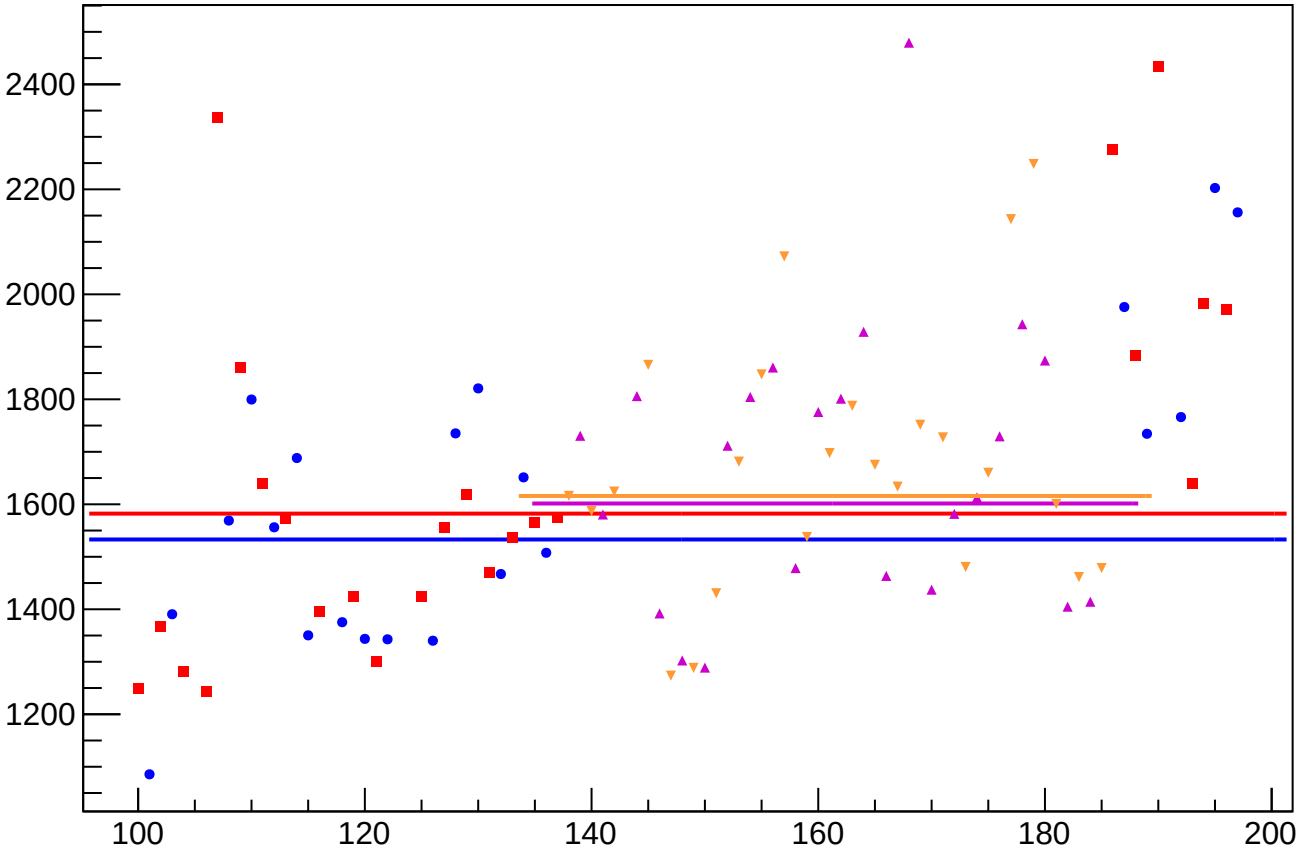
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2131.655+/-298.071 χ^2/NDF: 46.4/44

All: -76.212+/-209.984 χ^2/NDF: 193.5/91

- sign -2251.514+/-295.865 χ^2/NDF: 38.2/46

asym_us_avg_rms vs Slug



Right In: 1532.975+/-0.339 χ^2/NDF: 729369.4/20

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

Right Out: 1582.235+/-0.335 χ^2/NDF: 645297.2/23

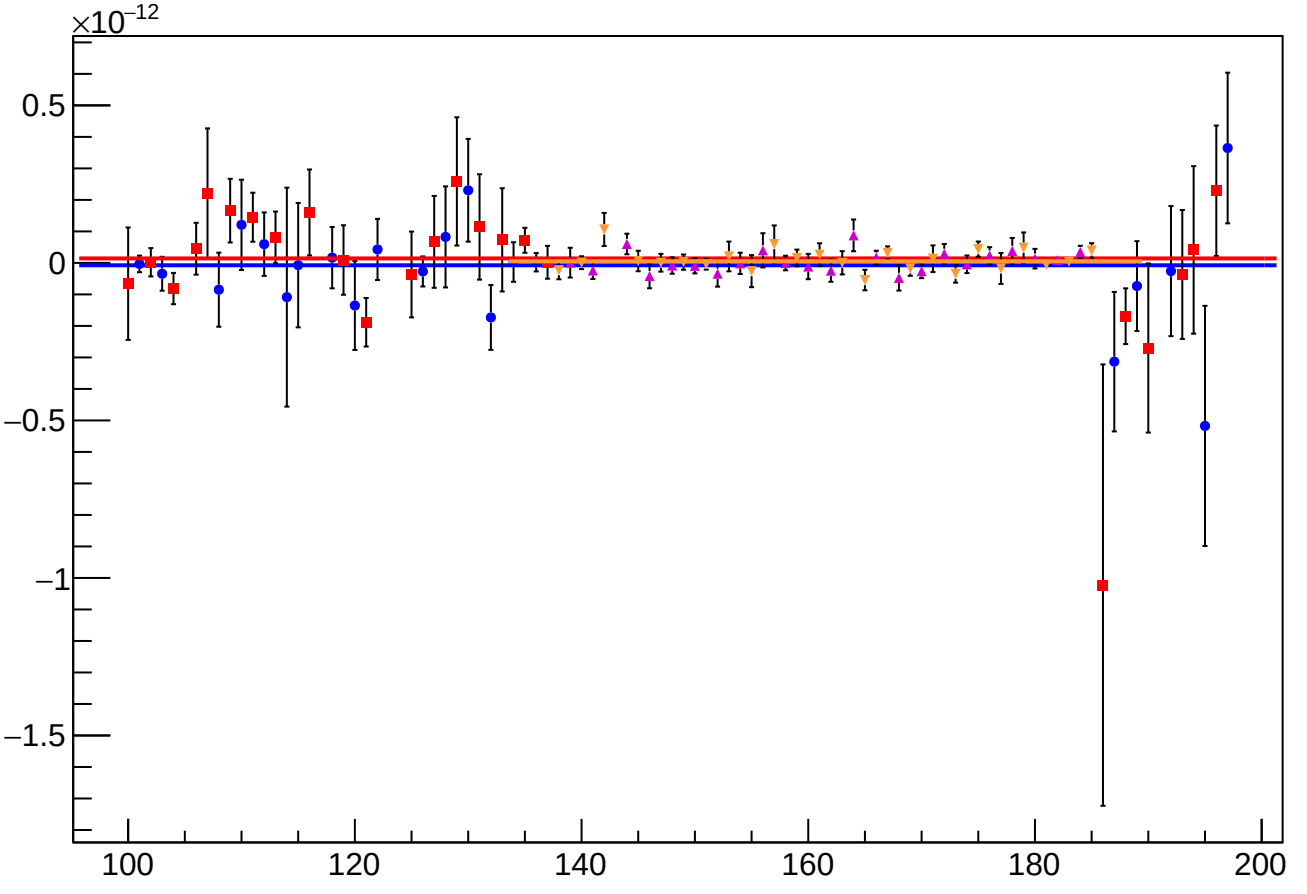
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1583.897+/-0.211 χ^2/NDF: 1460354.2/44

All: 1588.971+/-0.148 χ^2/NDF: 2902542.6/91

- sign 1593.970+/-0.209 χ^2/NDF: 1441037.8/46

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.9/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/23

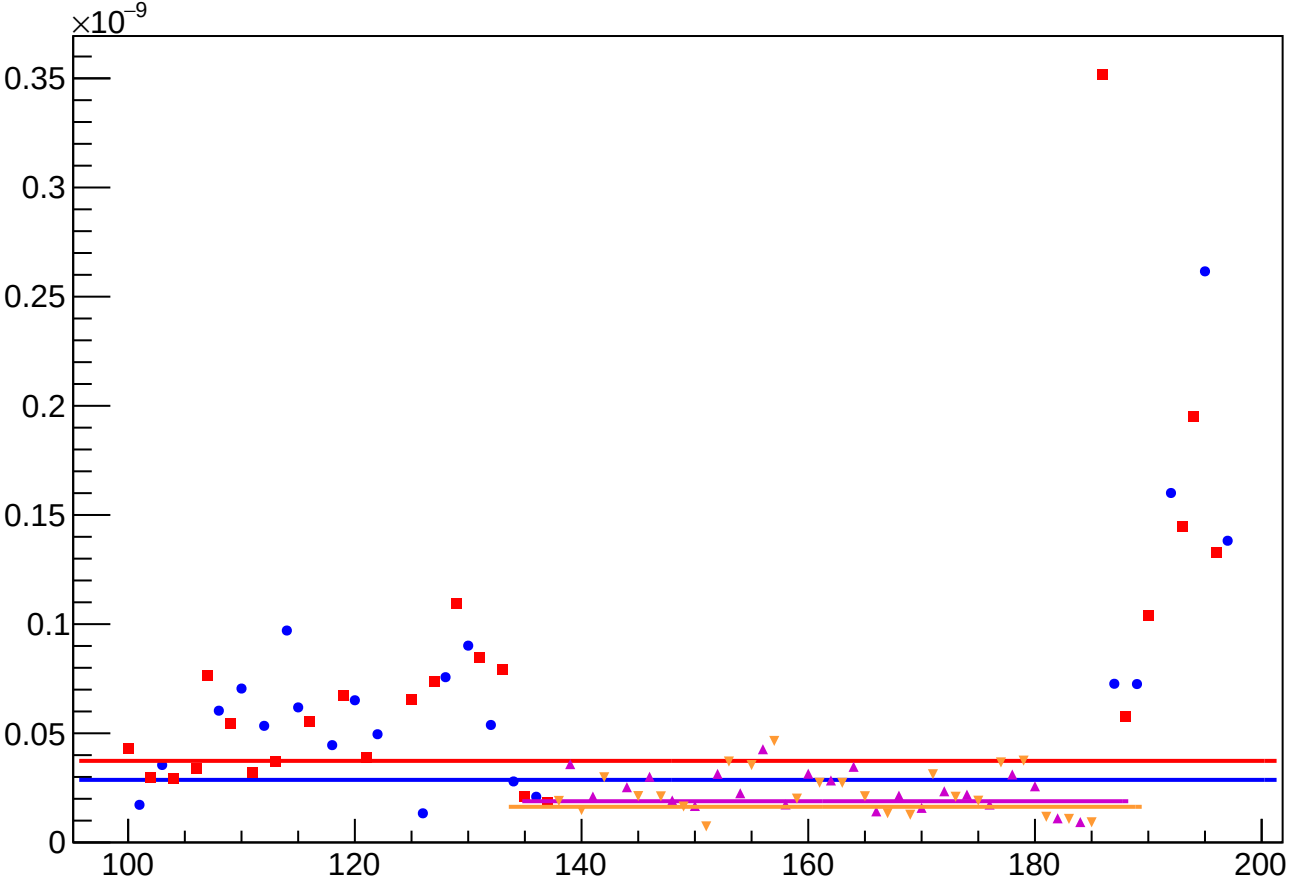
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/44

All: 0.000+/-0.000 χ^2/NDF: 88.3/91

- sign 0.000+/-0.000 χ^2/NDF: 51.7/46

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4427539.7/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4107998.8/23

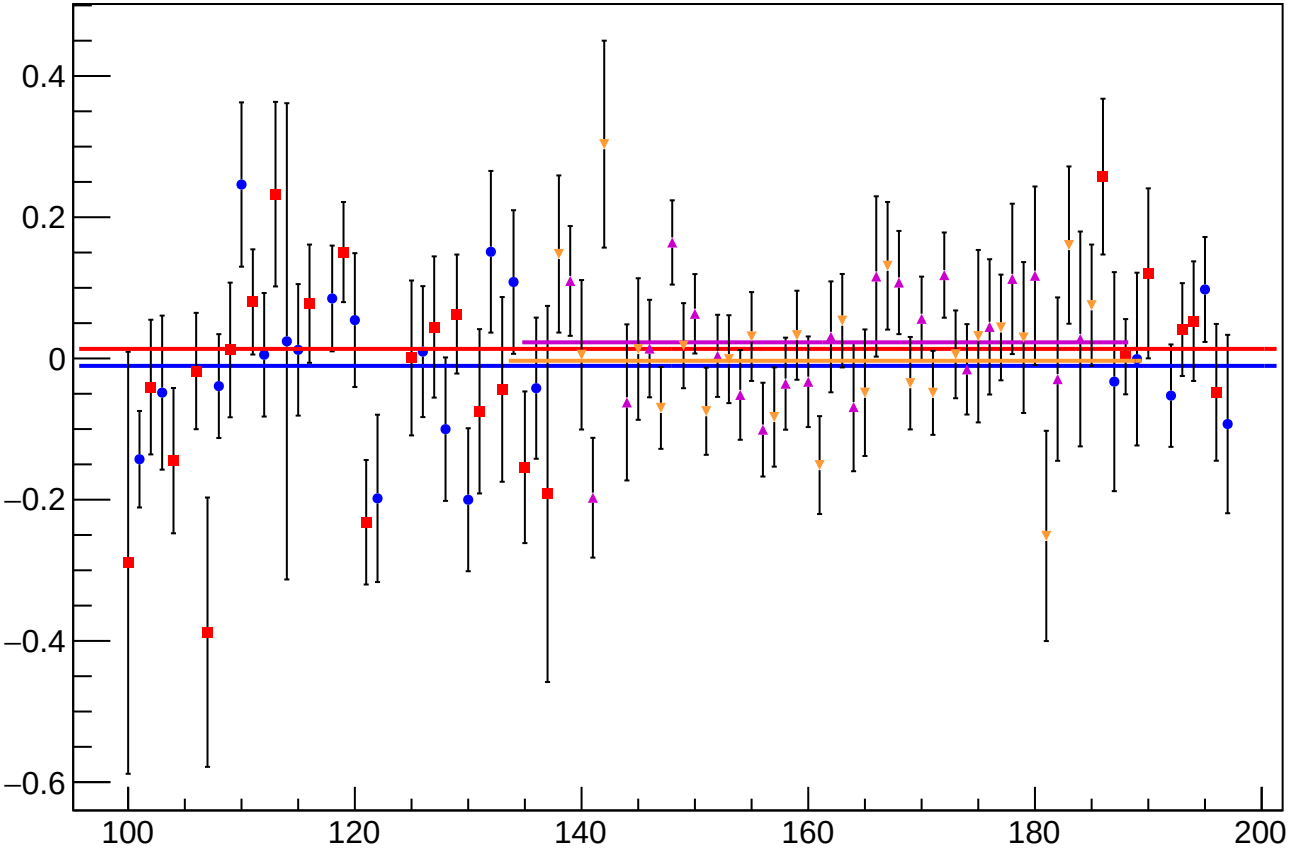
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9896199.0/44

All: 0.000+/-0.000 χ^2/NDF: 19572205.4/91

- sign 0.000+/-0.000 χ^2/NDF: 9353858.9/46

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.021 χ^2/NDF: 24.3/20

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

Right Out: 0.014+/-0.019 χ^2/NDF: 34.7/23

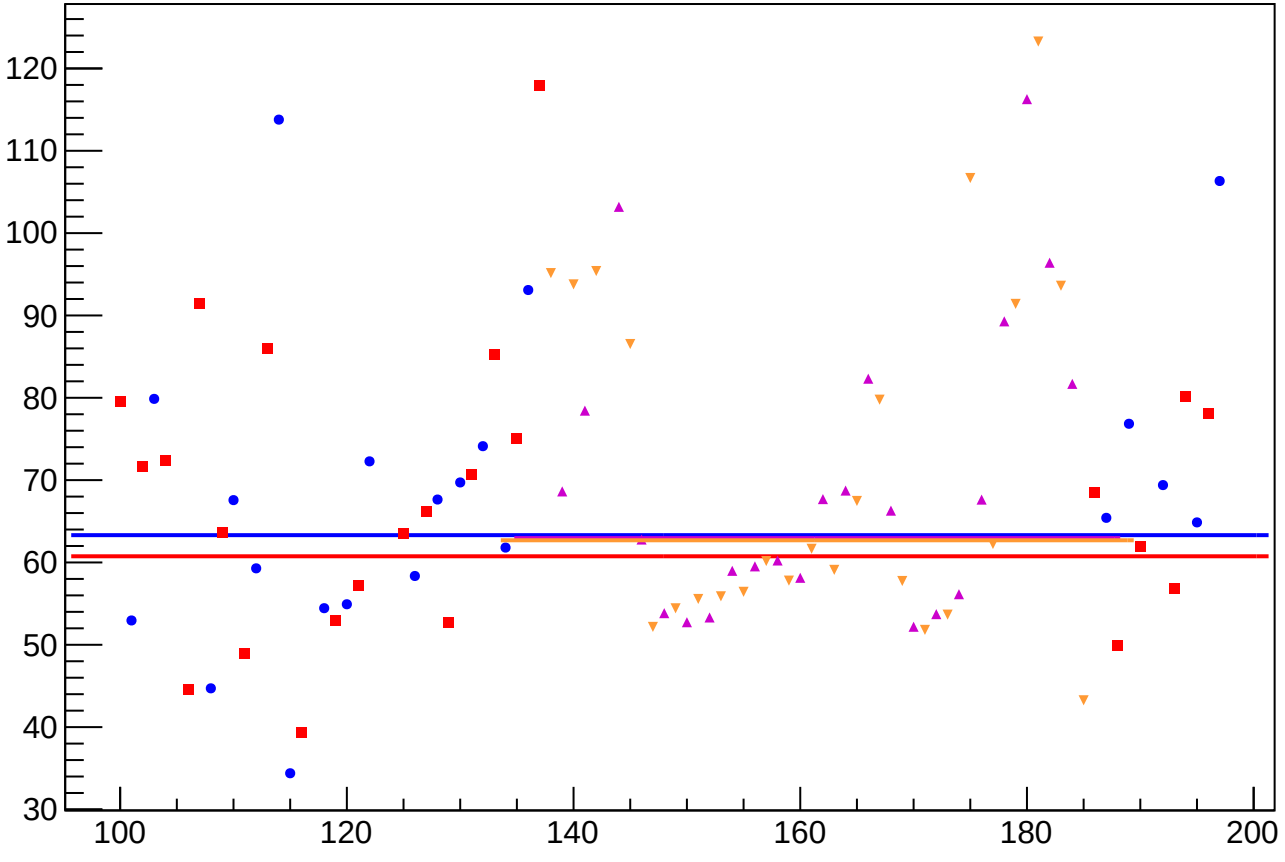
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.006+/-0.012 χ^2/NDF: 50.3/44

All: 0.007+/-0.009 χ^2/NDF: 116.2/91

- sign 0.019+/-0.012 χ^2/NDF: 63.8/46

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.316+/-0.015 χ^2/NDF: 1004707.5/20

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

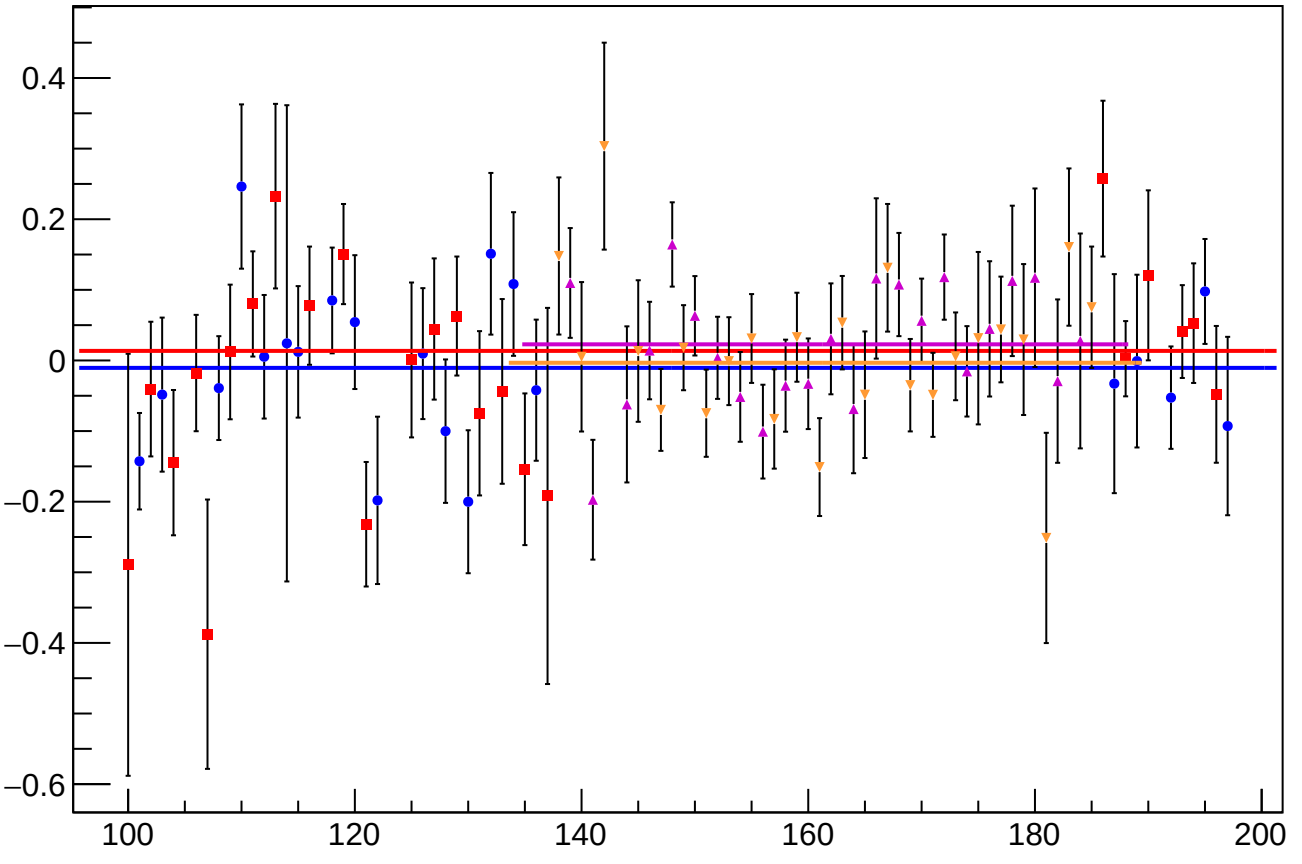
Right Out: 60.750+/-0.013 χ^2/NDF: 980665.4/23

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

+ sign 62.915+/-0.009 χ^2/NDF: 2945257.2/44

All: 62.483+/-0.006 χ^2/NDF: 5377130.3/91

- sign 62.079+/-0.009 χ^2/NDF: 2427201.9/46



Right In: -0.011+/-0.021 χ^2/NDF: 24.3/20

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

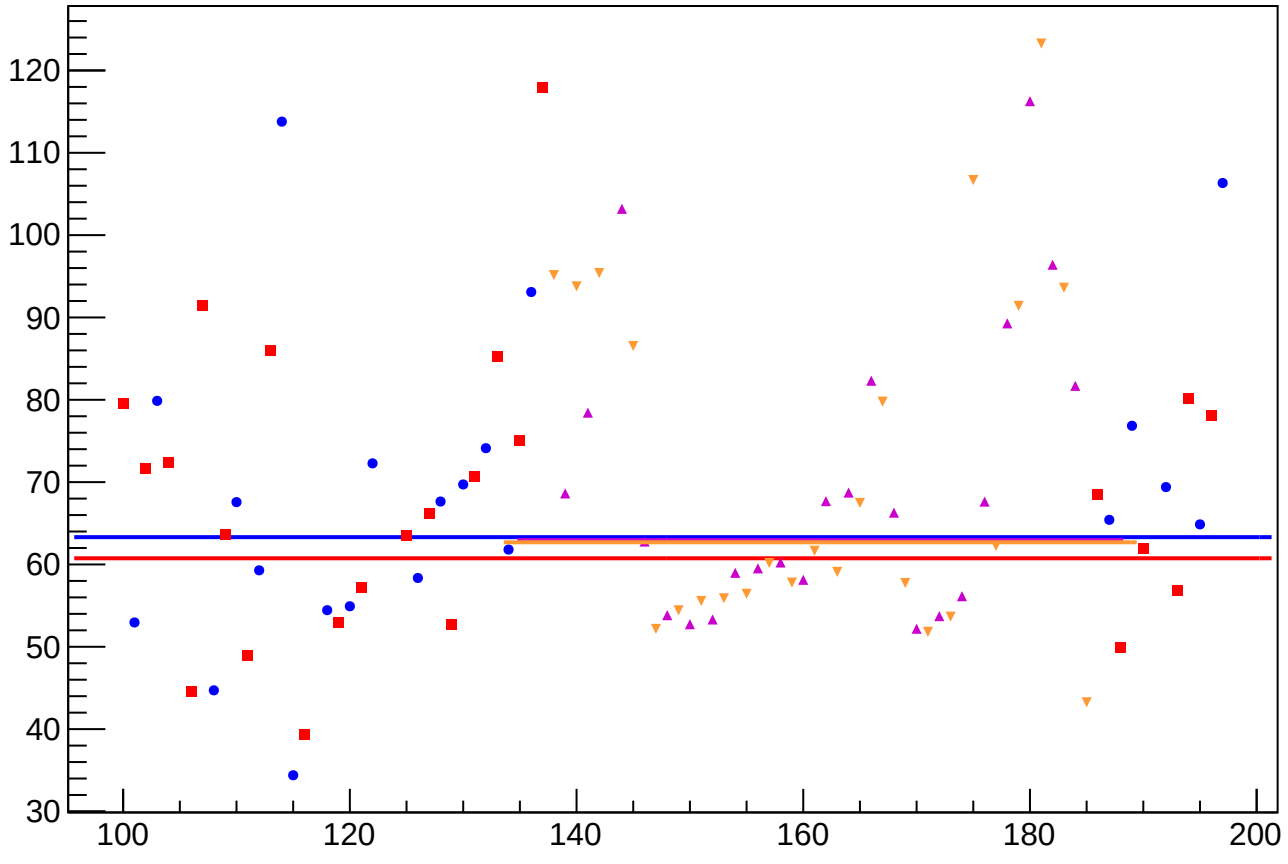
Right Out: 0.014+/-0.019 χ^2/NDF: 34.7/23

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

+ sign -0.006+/-0.012 χ^2/NDF: 50.3/44

All: 0.007+/-0.009 χ^2/NDF: 116.2/91

- sign 0.019+/-0.012 χ^2/NDF: 63.8/46



Right In: 63.316+/-0.015 χ^2/NDF: 1004707.5/20

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

Right Out: 60.750+/-0.013 χ^2/NDF: 980665.4/23

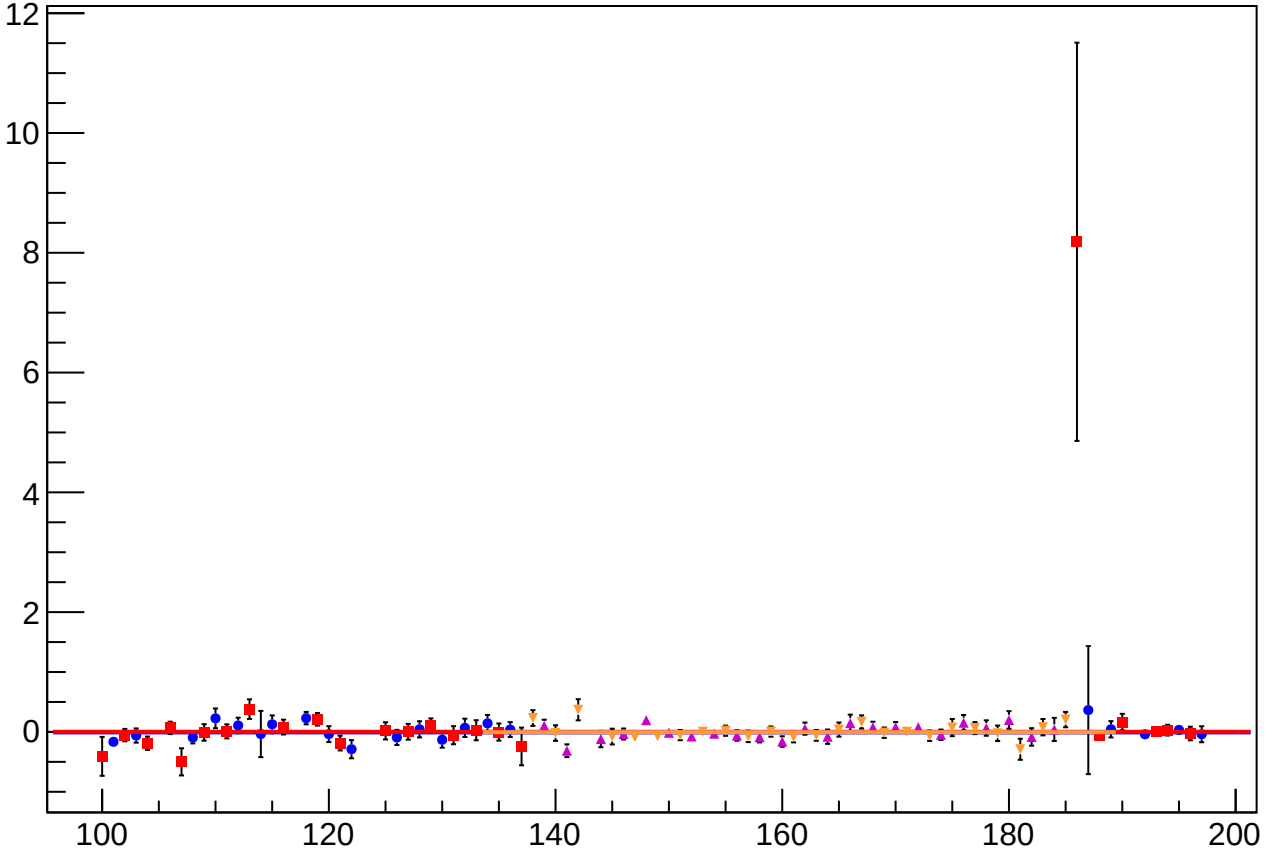
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

\+ sign 62.915+/-0.009 χ^2/NDF: 2945257.2/44

All: 62.483+/-0.006 χ^2/NDF: 5377130.3/91

\- sign 62.079+/-0.009 χ^2/NDF: 2427201.9/46

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.008+/-0.027 χ^2/NDF: 20.9/20

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

Right Out: 0.002+/-0.025 χ^2/NDF: 32.1/23

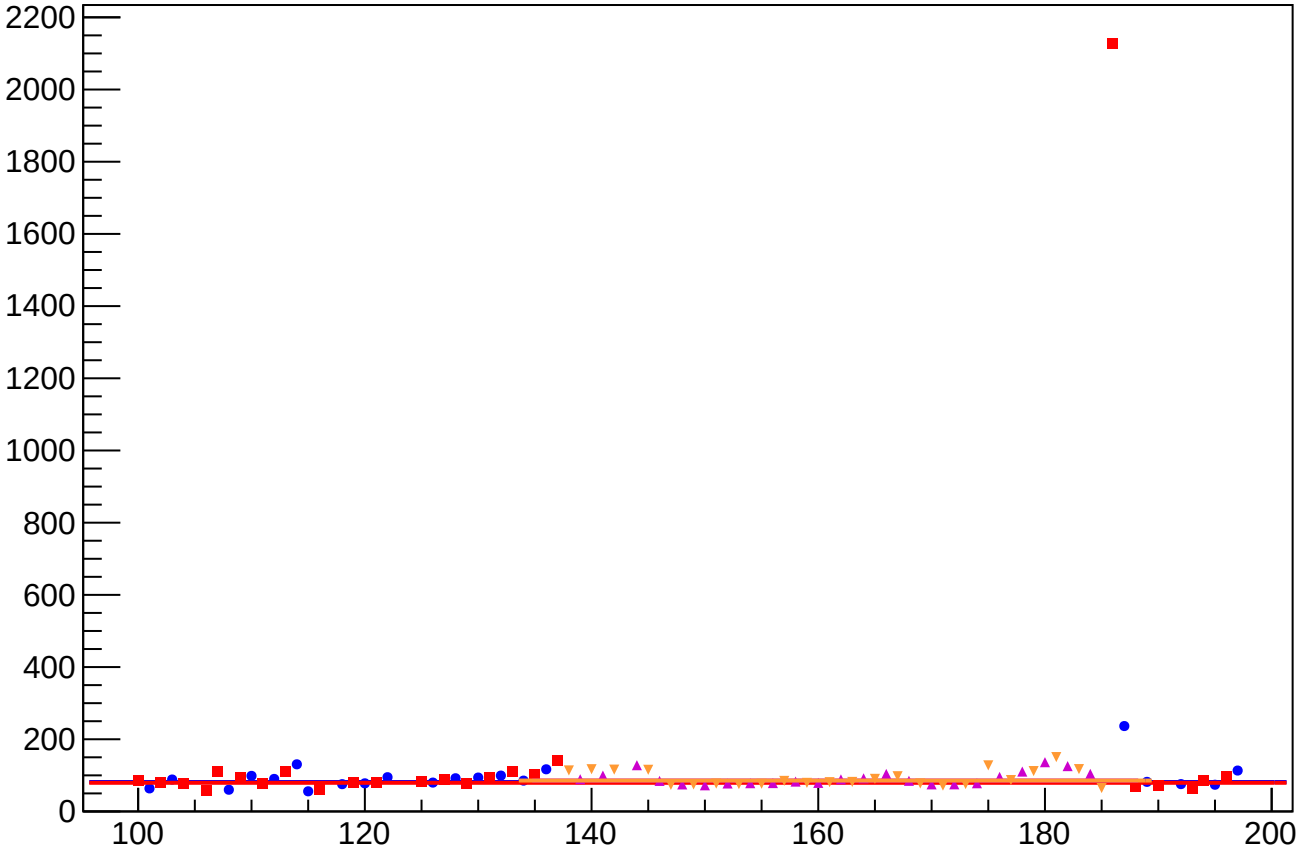
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.006+/-0.016 χ^2/NDF: 42.3/44

All: -0.003+/-0.011 χ^2/NDF: 105.0/91

- sign -0.000+/-0.016 χ^2/NDF: 62.7/46

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.582+/-0.019 χ^2/NDF: 744043.4/20

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

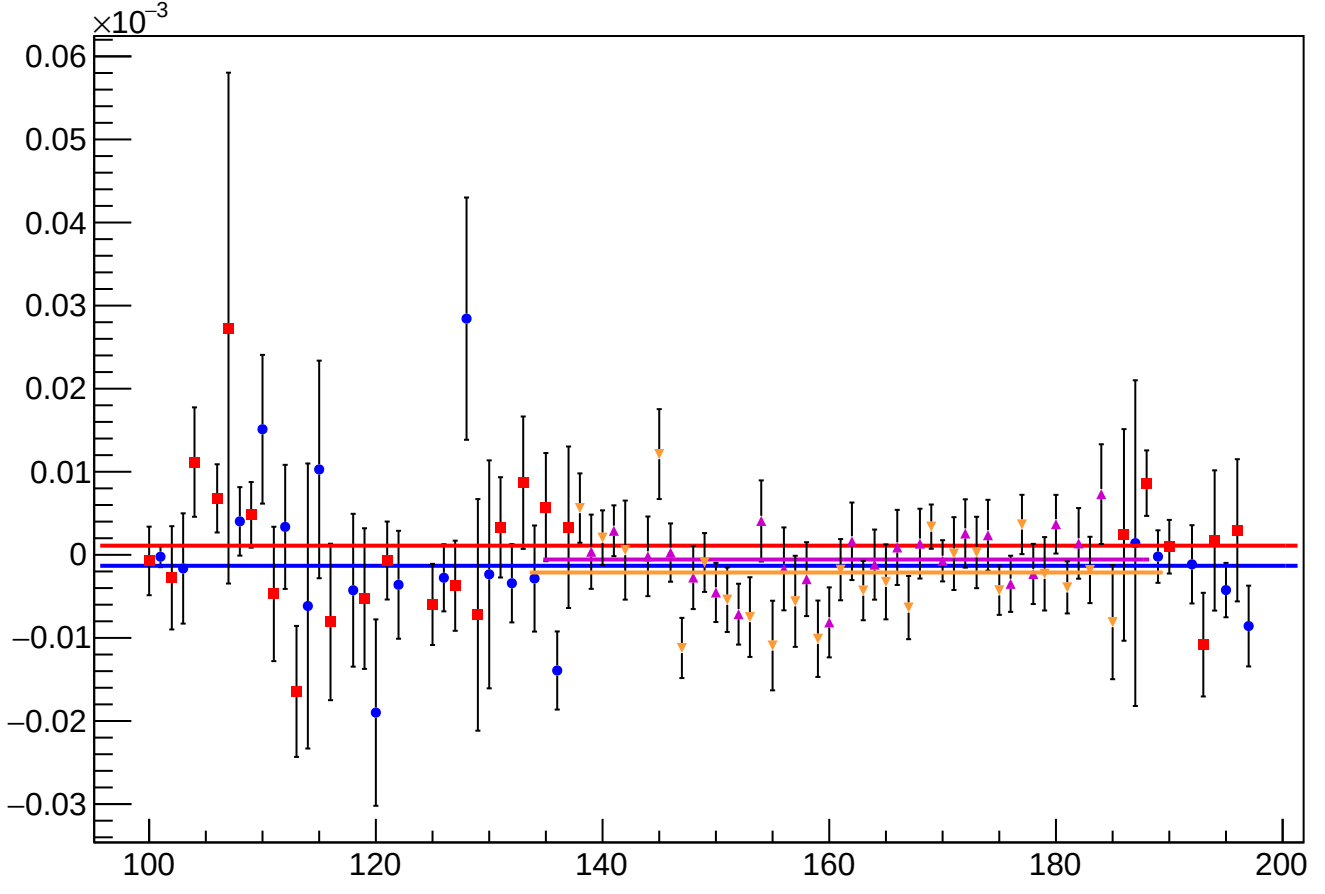
Right Out: 79.418+/-0.018 χ^2/NDF: 1457074.8/23

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

+ sign 84.116+/-0.012 χ^2/NDF: 2125990.4/44

All: 83.605+/-0.008 χ^2/NDF: 4657669.2/91

- sign 83.121+/-0.011 χ^2/NDF: 2527865.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/23

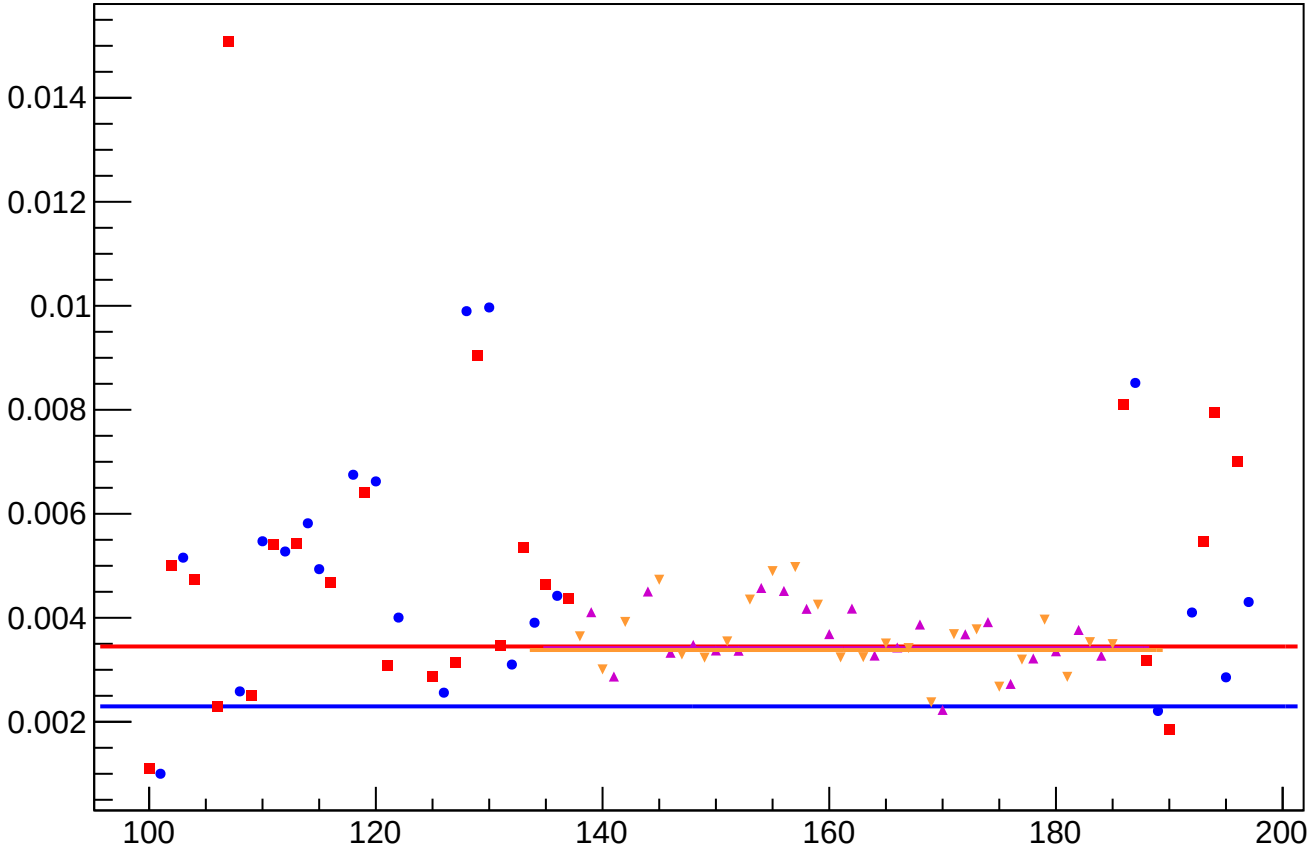
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.6/44

All: -0.000+/-0.000 χ^2/NDF: 110.0/91

- sign -0.000+/-0.000 χ^2/NDF: 43.7/46

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6813198.7/20

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

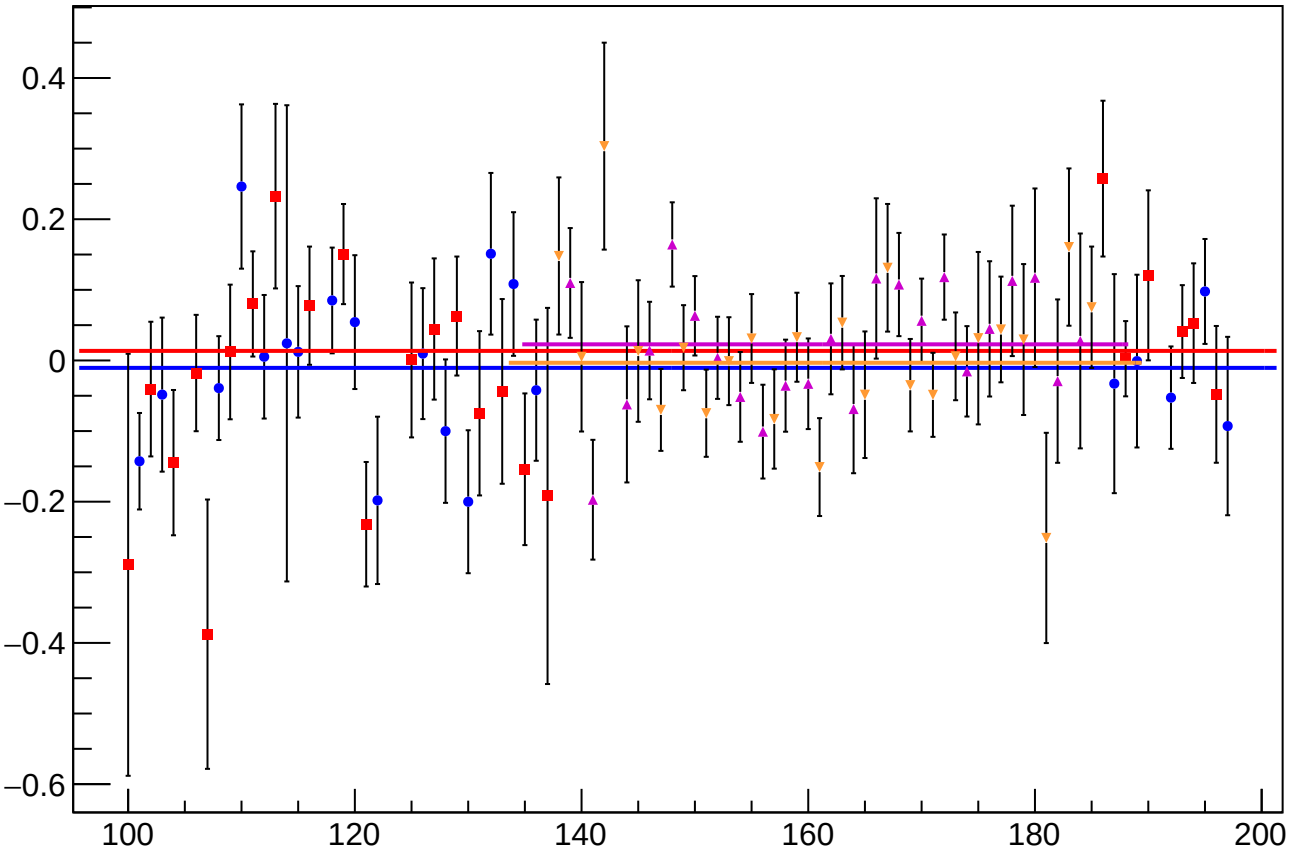
Right Out: 0.003+/-0.000 χ^2/NDF: 4379212.4/23

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

+ sign 0.003+/-0.000 χ^2/NDF: 9642490.9/44

All: 0.003+/-0.000 χ^2/NDF: 15902670.1/91

- sign 0.003+/-0.000 χ^2/NDF: 5550595.2/46



Right In: -0.011+/-0.021 χ^2/NDF: 24.3/20

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

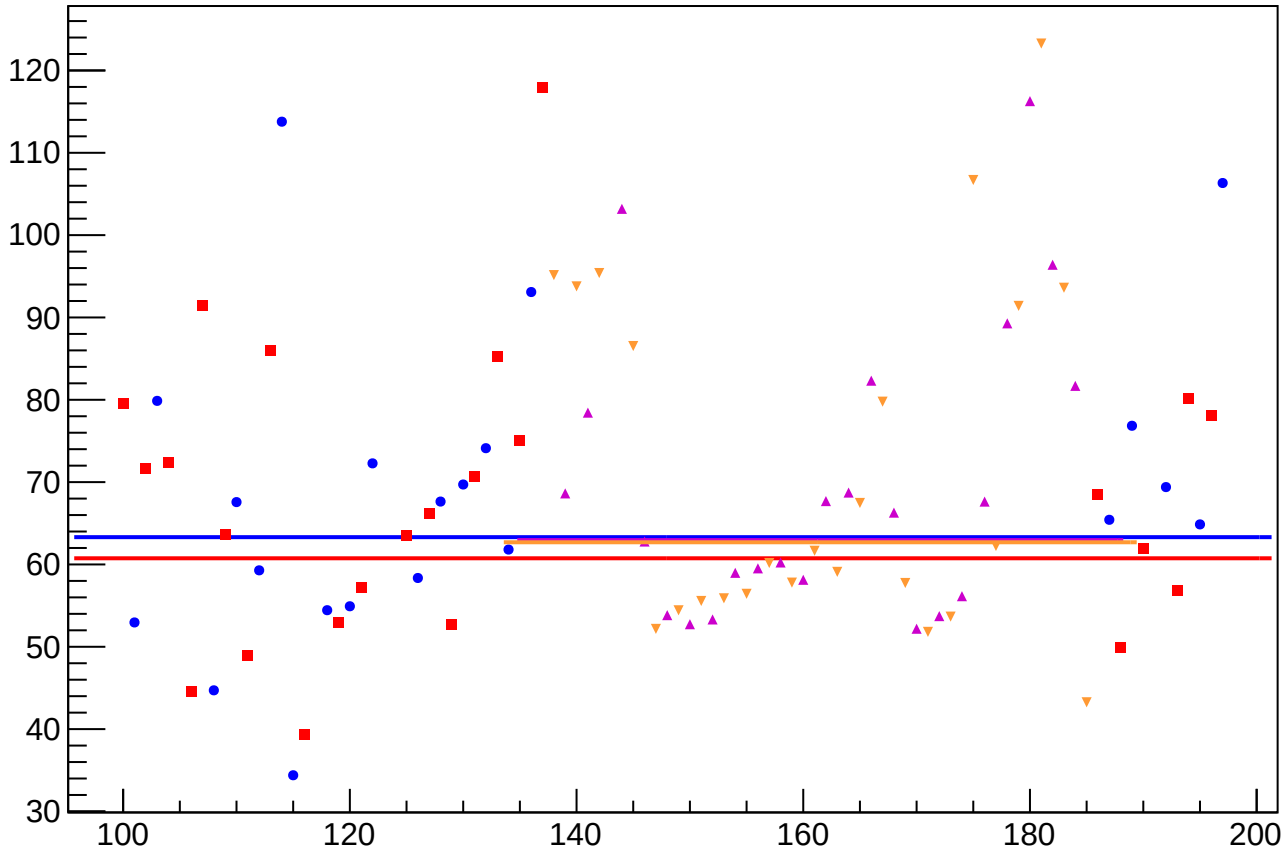
Right Out: 0.014+/-0.019 χ^2/NDF: 34.7/23

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

+ sign -0.006+/-0.012 χ^2/NDF: 50.3/44

All: 0.007+/-0.009 χ^2/NDF: 116.2/91

- sign 0.019+/-0.012 χ^2/NDF: 63.8/46



Right In: 63.315+/-0.015 χ^2/NDF: 1004746.5/20

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

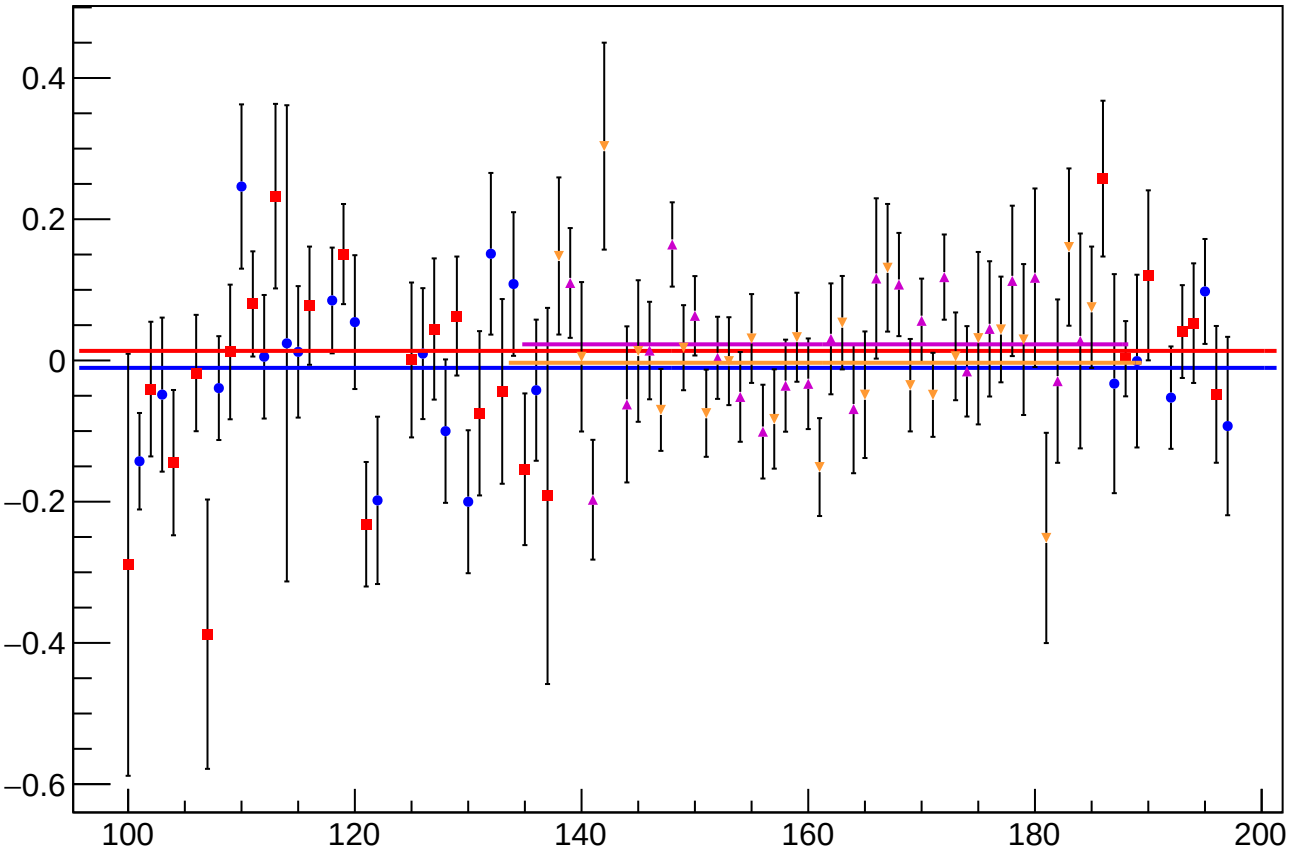
Right Out: 60.749+/-0.013 χ^2/NDF: 980616.1/23

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

\+ sign 62.915+/-0.009 χ^2/NDF: 2945272.9/44

All: 62.483+/-0.006 χ^2/NDF: 5377094.9/91

\- sign 62.079+/-0.009 χ^2/NDF: 2427149.2/46



Right In: -0.011+/-0.021 χ^2/NDF: 24.3/20

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

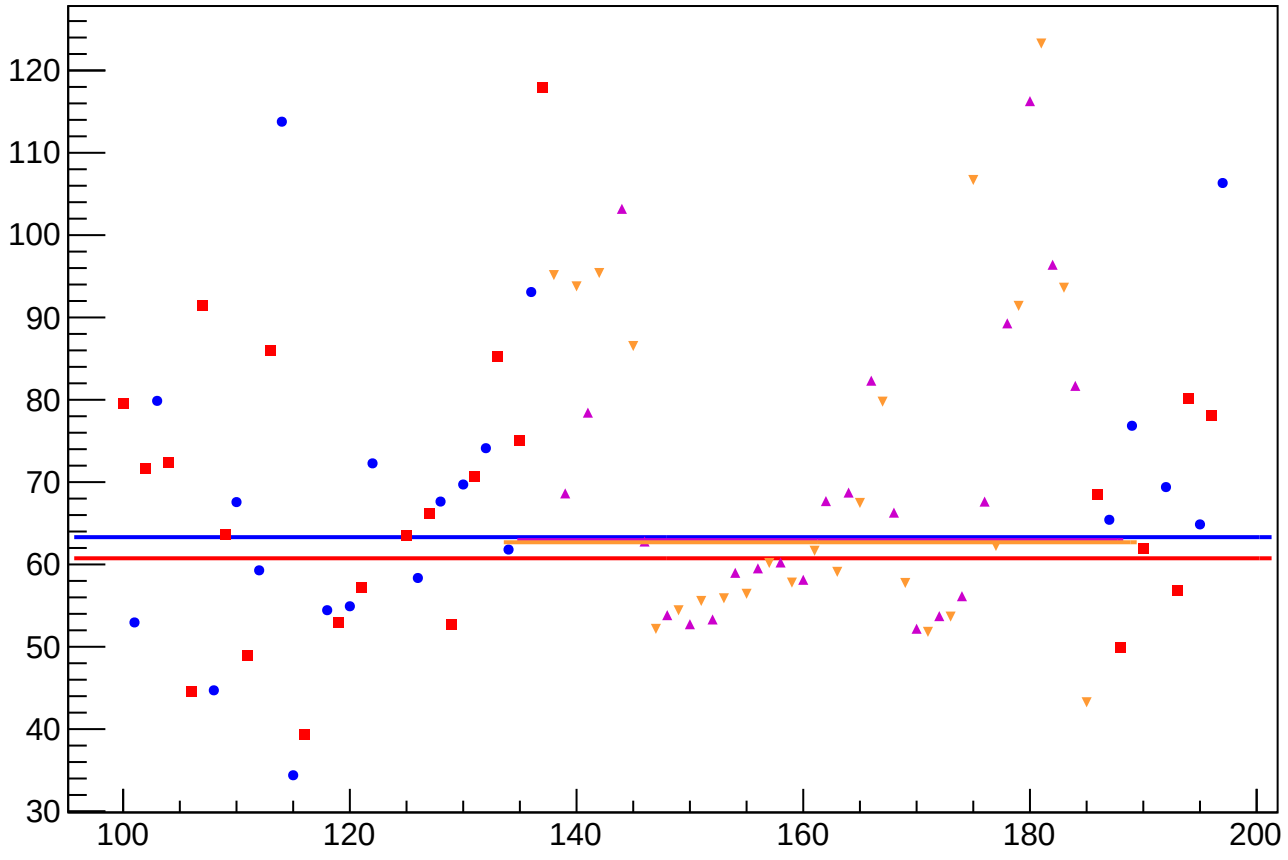
Right Out: 0.014+/-0.019 χ^2/NDF: 34.7/23

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

+ sign -0.006+/-0.012 χ^2/NDF: 50.3/44

All: 0.007+/-0.009 χ^2/NDF: 116.2/91

- sign 0.019+/-0.012 χ^2/NDF: 63.8/46



Right In: 63.315+/-0.015 χ^2/NDF: 1004746.5/20

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

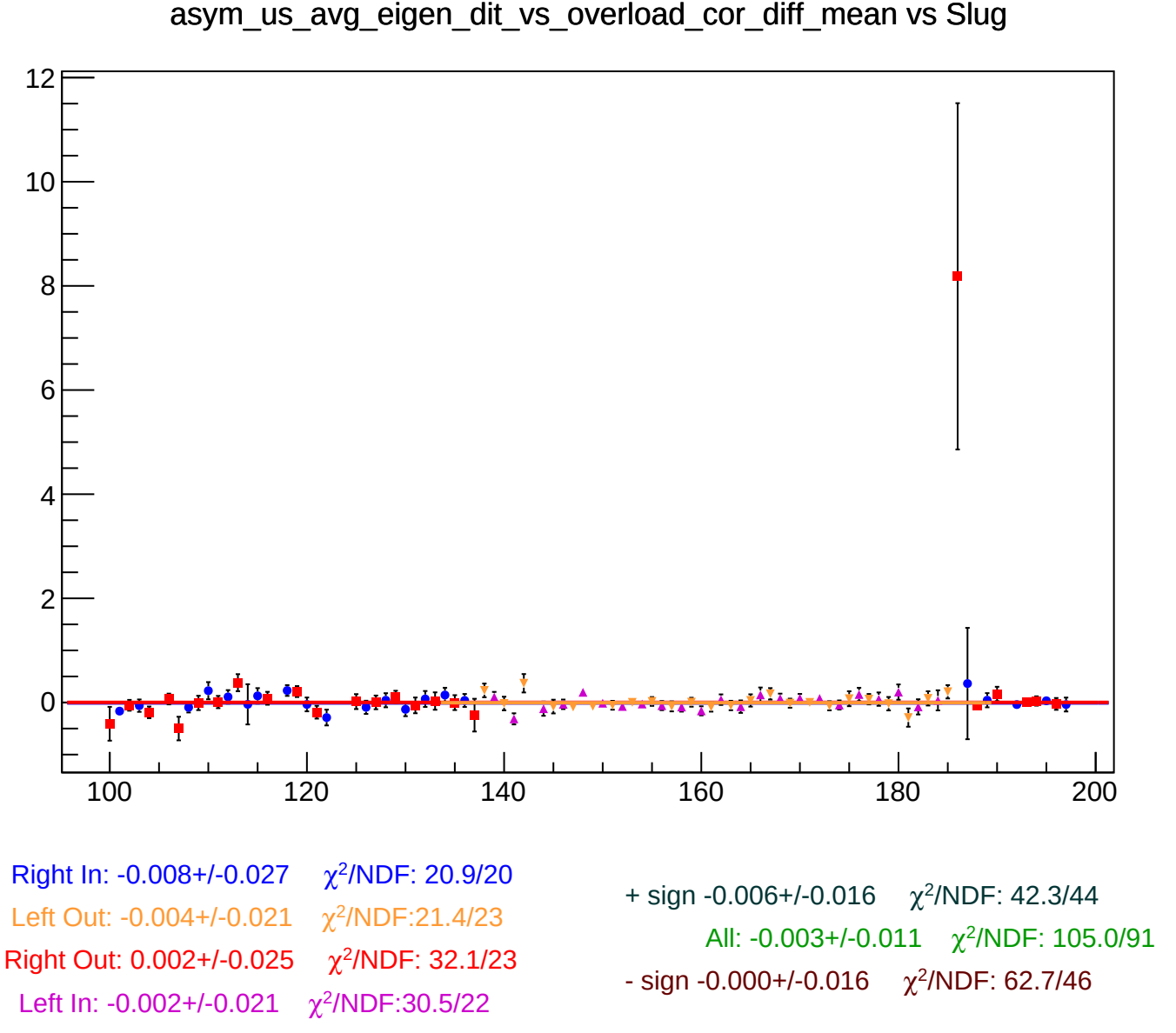
Right Out: 60.749+/-0.013 χ^2/NDF: 980616.1/23

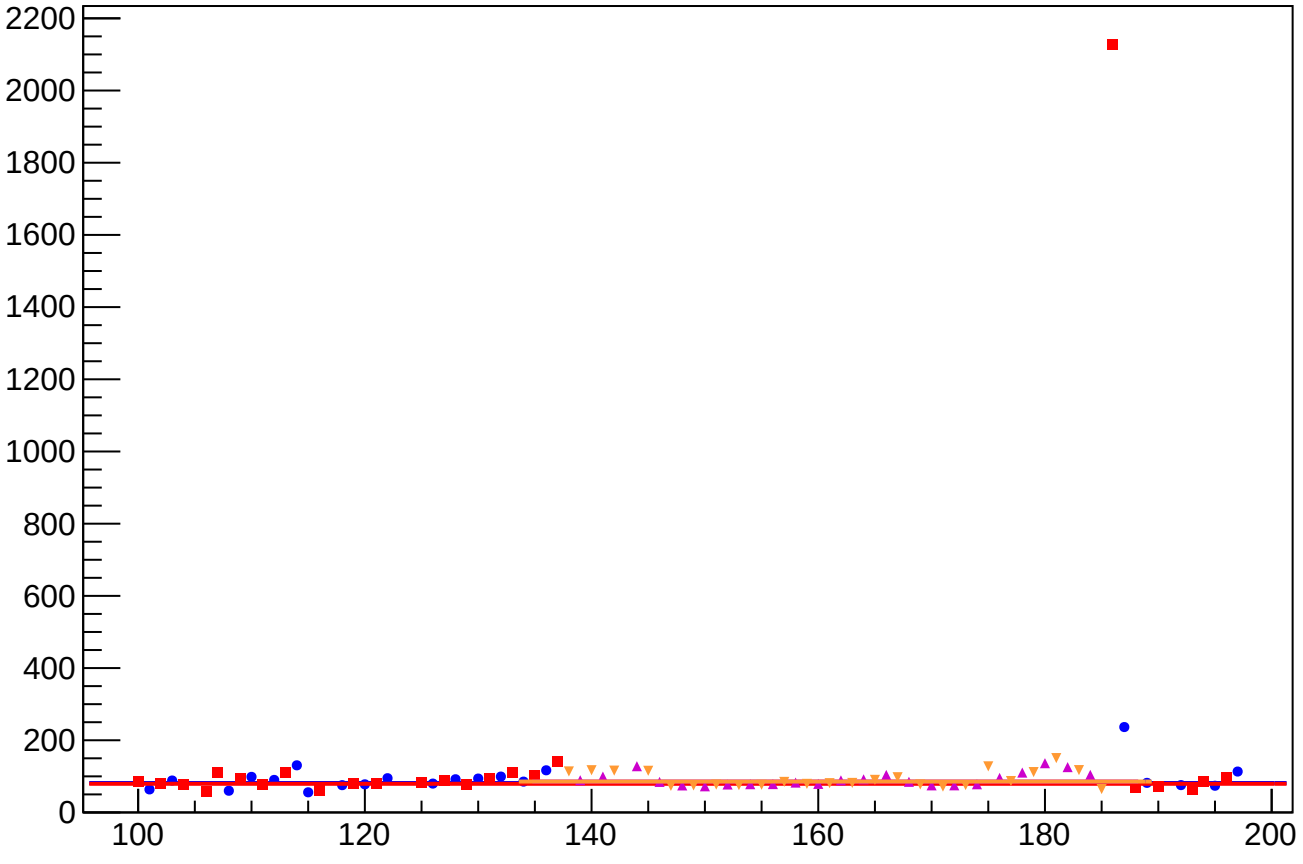
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

\+ sign 62.915+/-0.009 χ^2/NDF: 2945272.9/44

All: 62.483+/-0.006 χ^2/NDF: 5377094.9/91

\- sign 62.079+/-0.009 χ^2/NDF: 2427149.2/46


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: -0.008+/-0.027 χ²/NDF: 20.9/20
Left Out: -0.004+/-0.021 χ²/NDF:21.4/23
Right Out: 0.002+/-0.025 χ²/NDF: 32.1/23
Left In: -0.002+/-0.021 χ²/NDF:30.5/22
+ sign -0.006+/-0.016 χ²/NDF: 42.3/44
All: -0.003+/-0.011 χ²/NDF: 105.0/91
- sign -0.000+/-0.016 χ²/NDF: 62.7/46



Right In: 81.581+/-0.019 χ^2/NDF: 744034.6/20

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

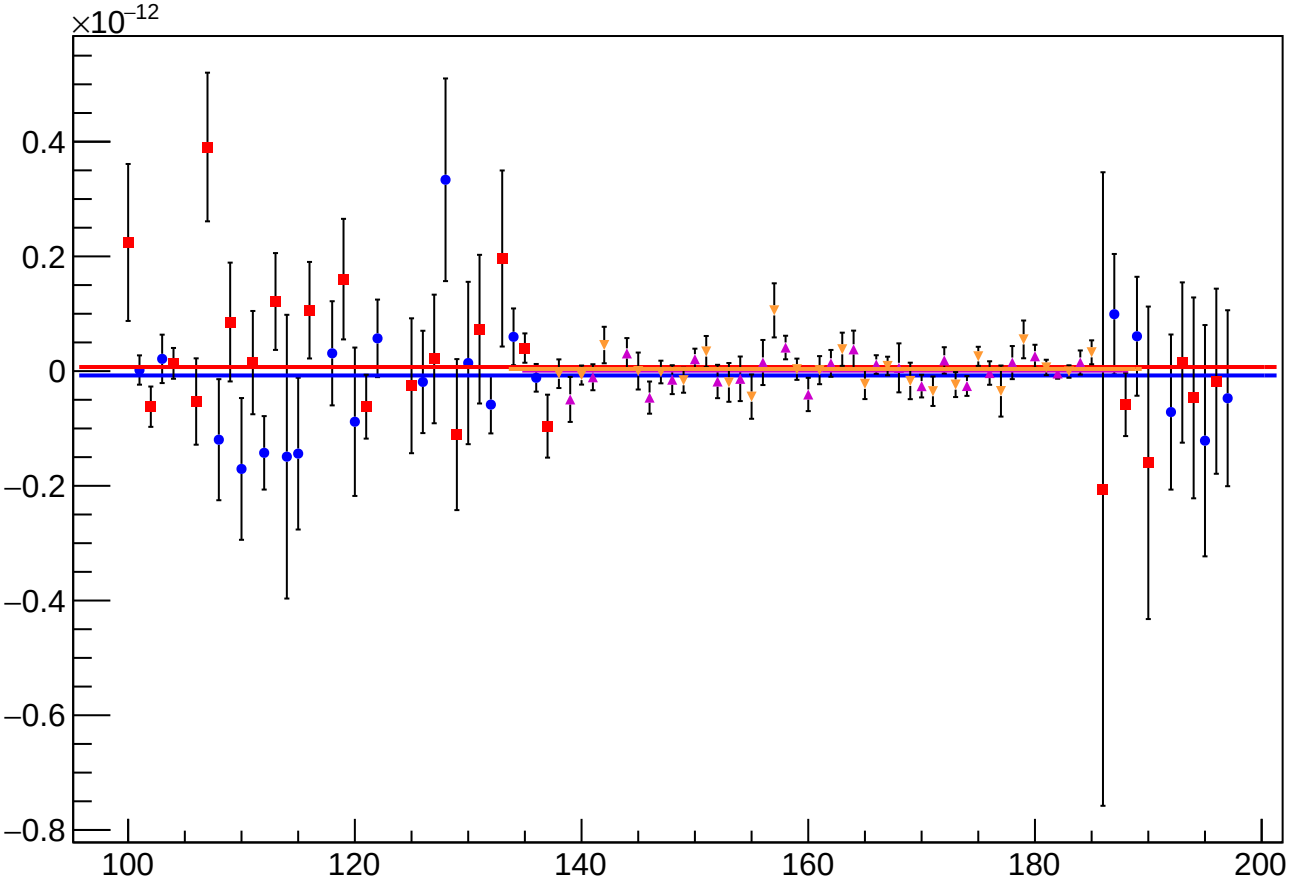
Right Out: 79.417+/-0.018 χ^2/NDF: 1457042.9/23

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

+ sign 84.116+/-0.012 χ^2/NDF: 2125987.9/44

All: 83.605+/-0.008 χ^2/NDF: 4657647.5/91

- sign 83.120+/-0.011 χ^2/NDF: 2527846.0/46



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/20

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

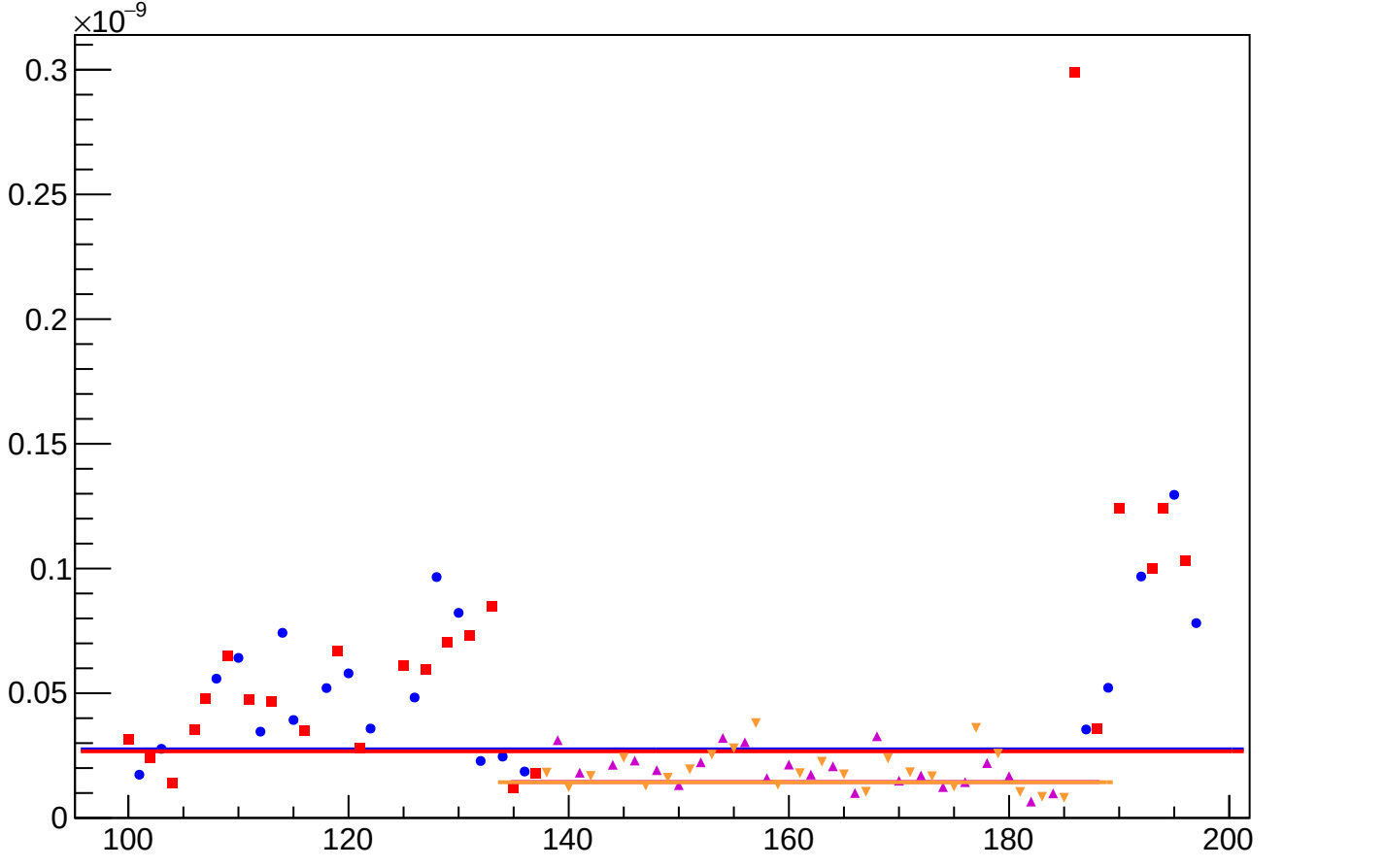
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/23

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

+ sign 0.000+/-0.000 χ^2/NDF: 45.2/44

All: 0.000+/-0.000 χ^2/NDF: 102.3/91

- sign 0.000+/-0.000 χ^2/NDF: 57.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 3426569.9/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5580576.8/23

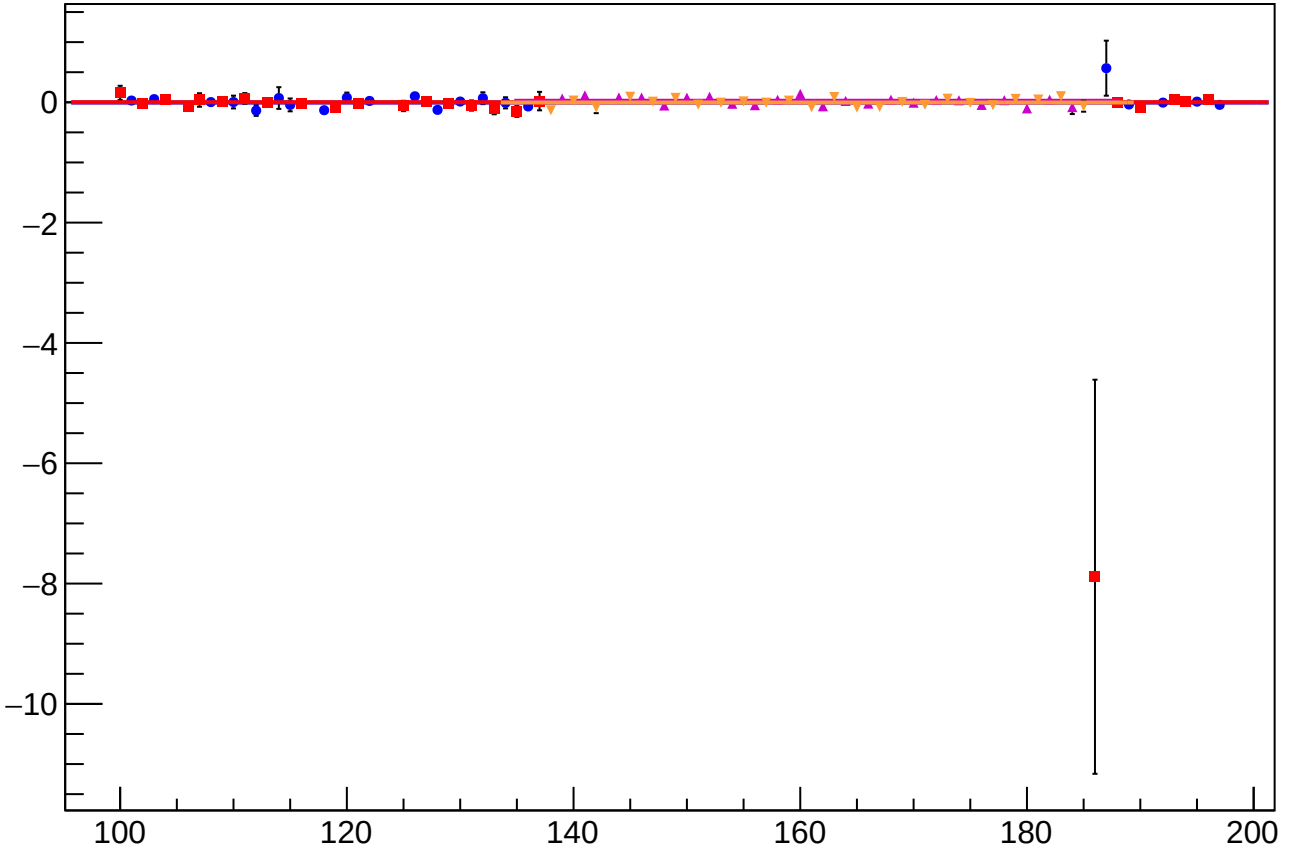
Left In: 0.000+/-0.000 χ^2/NDF:4256069.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8906744.8/44

All: 0.000+/-0.000 χ^2/NDF: 20379924.1/91

- sign 0.000+/-0.000 χ^2/NDF: 11473104.5/46

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.011 χ^2/NDF: 19.6/20

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

Right Out: 0.001+/-0.010 χ^2/NDF: 28.4/23

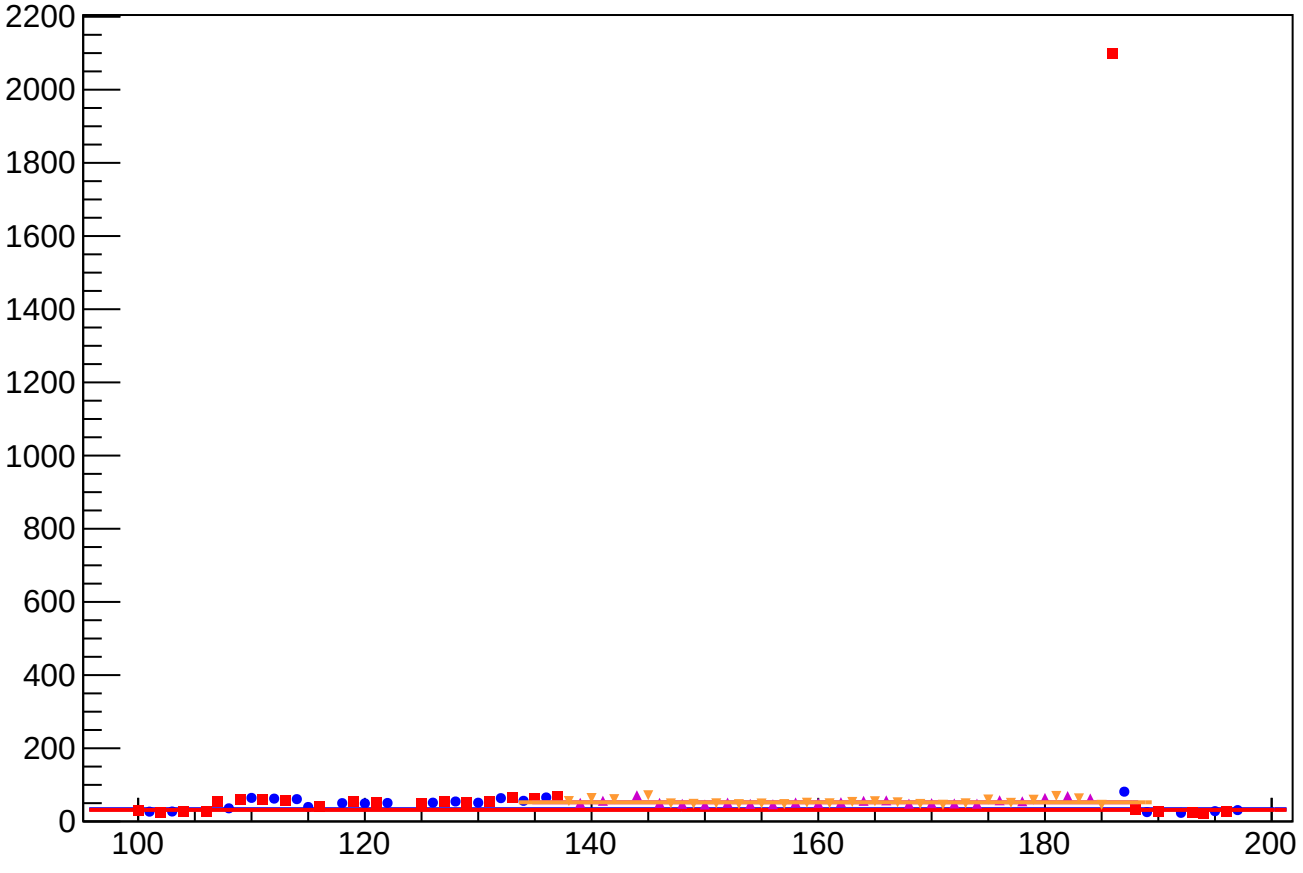
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.004+/-0.008 χ^2/NDF: 42.7/44

All: 0.004+/-0.006 χ^2/NDF: 99.3/91

- sign 0.011+/-0.008 χ^2/NDF: 54.9/46

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 33.470+/-0.008 χ^2/NDF: 2445085.6/20

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

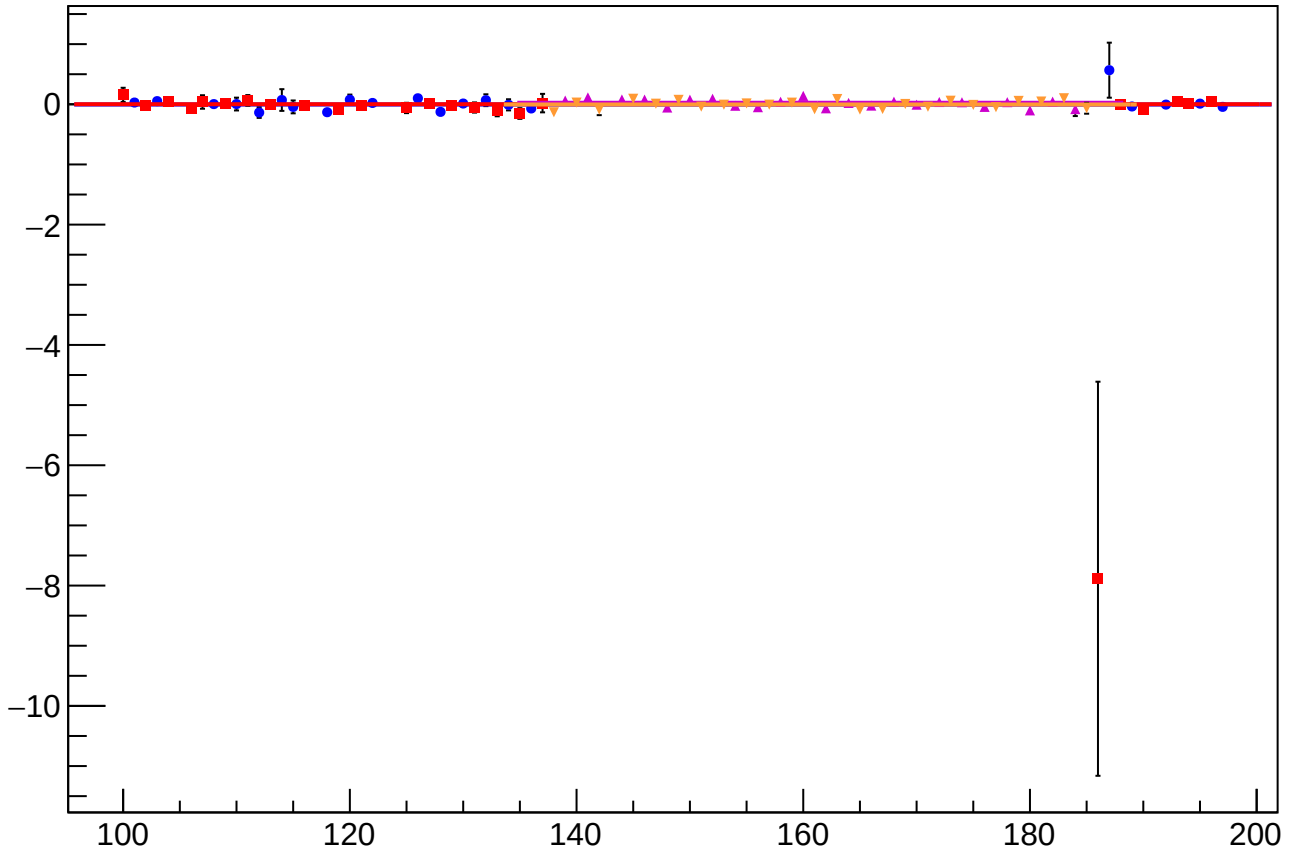
Right Out: 31.570+/-0.007 χ^2/NDF: 3577704.7/23

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

+ sign 42.049+/-0.006 χ^2/NDF: 5494313.7/44

All: 41.080+/-0.004 χ^2/NDF: 12854358.0/91

- sign 40.187+/-0.006 χ^2/NDF: 7308522.6/46



Right In: -0.004+/-0.011 χ^2/NDF: 19.6/20

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

Right Out: 0.001+/-0.010 χ^2/NDF: 28.4/23

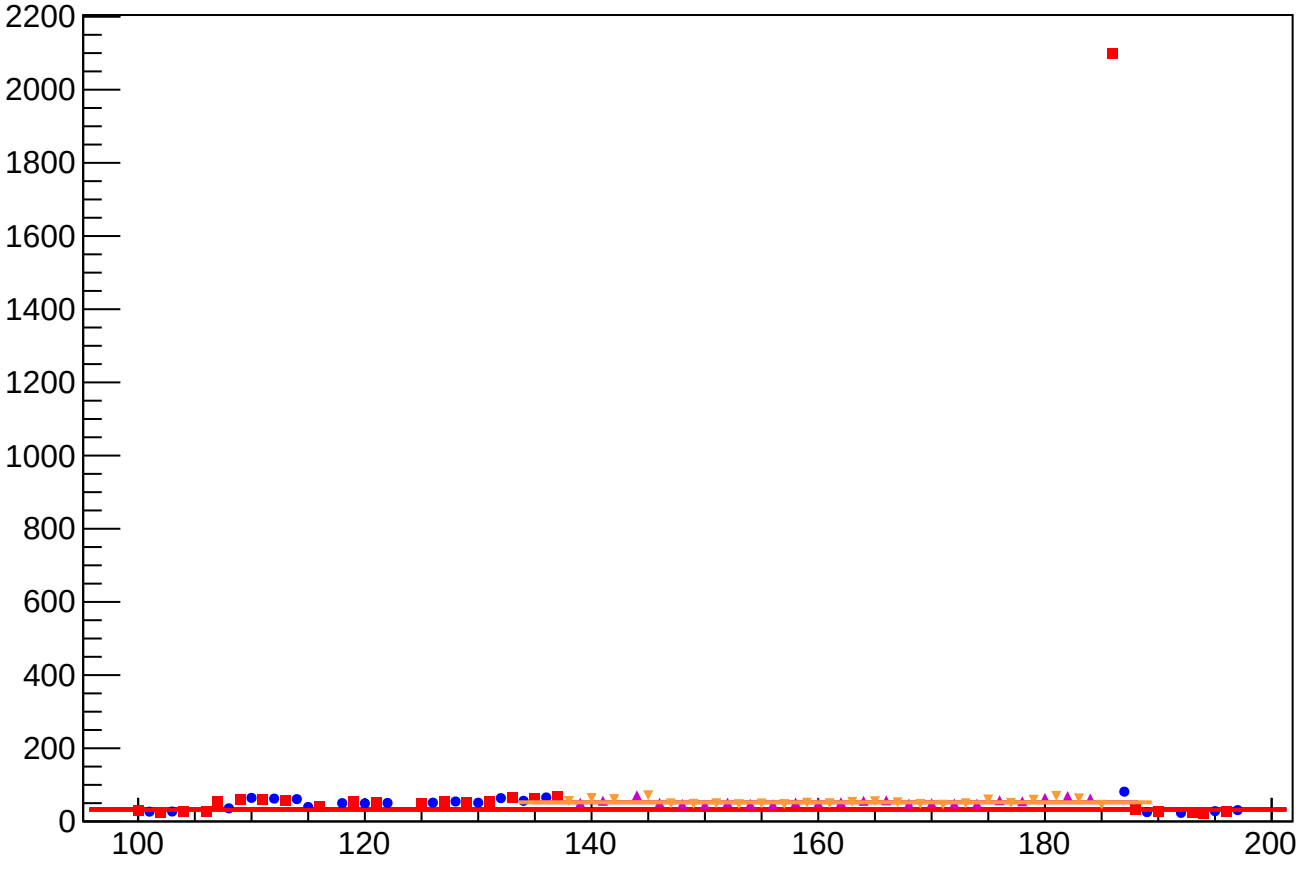
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.004+/-0.008 χ^2/NDF: 42.7/44

All: 0.004+/-0.006 χ^2/NDF: 99.3/91

- sign 0.011+/-0.008 χ^2/NDF: 54.9/46

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 33.470+/-0.008 χ^2/NDF: 2445085.6/20

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

Right Out: 31.570+/-0.007 χ^2/NDF: 3577704.7/23

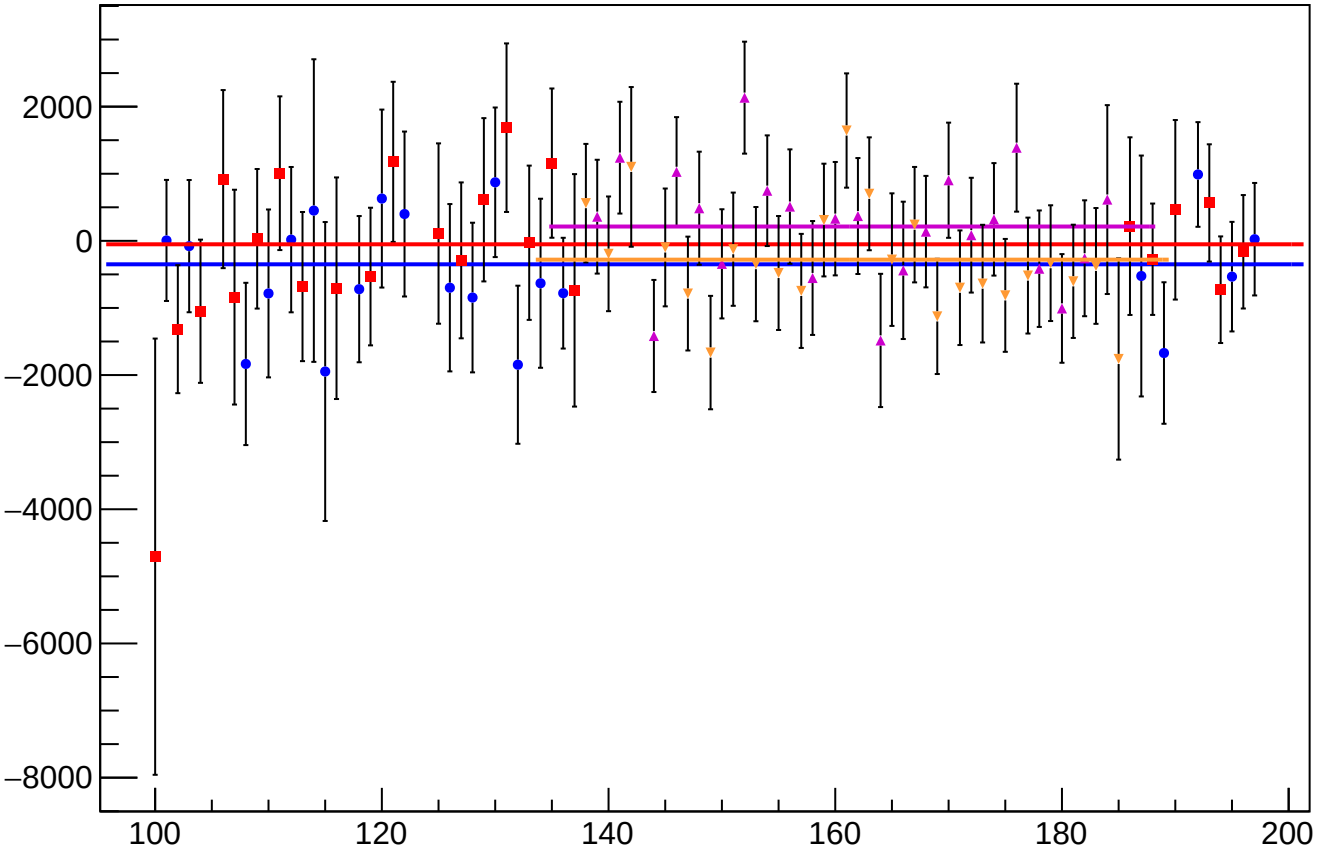
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 42.049+/-0.006 χ^2/NDF: 5494313.7/44

All: 41.080+/-0.004 χ^2/NDF: 12854358.0/91

- sign 40.187+/-0.006 χ^2/NDF: 7308522.6/46

reg_asym_us_dd_mean vs Slug



Right In: -349.561+/-237.328 χ^2/NDF: 11.8/20

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

Right Out: -51.287+/-229.872 χ^2/NDF: 13.2/23

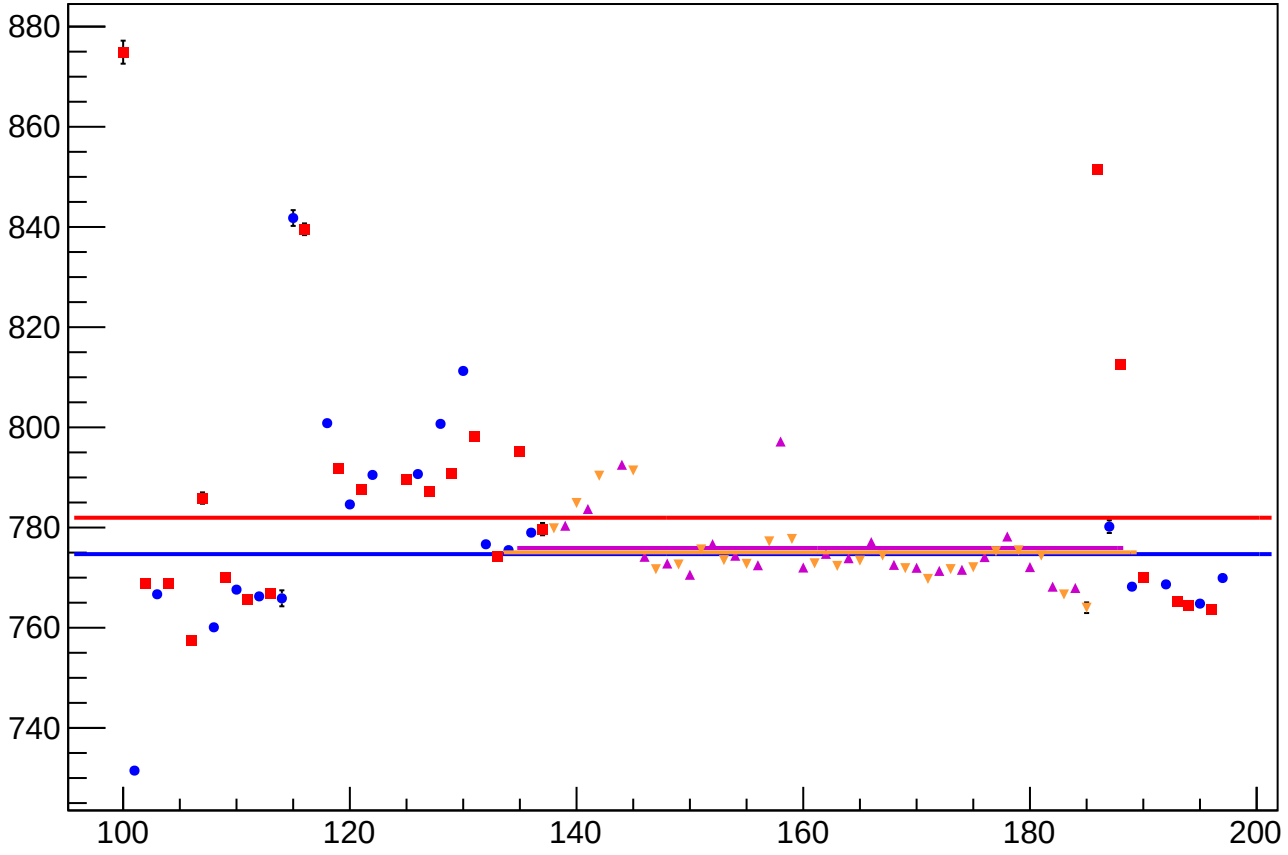
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

\+ sign -305.612+/-143.356 χ^2/NDF: 28.0/44

All: -95.245+/-100.989 χ^2/NDF: 68.6/91

\- sign 112.000+/-142.289 χ^2/NDF: 36.4/46

reg_asym_us_dd_rms vs Slug



Right In: 774.696+/-0.168 χ^2/NDF: 12840.1/20

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

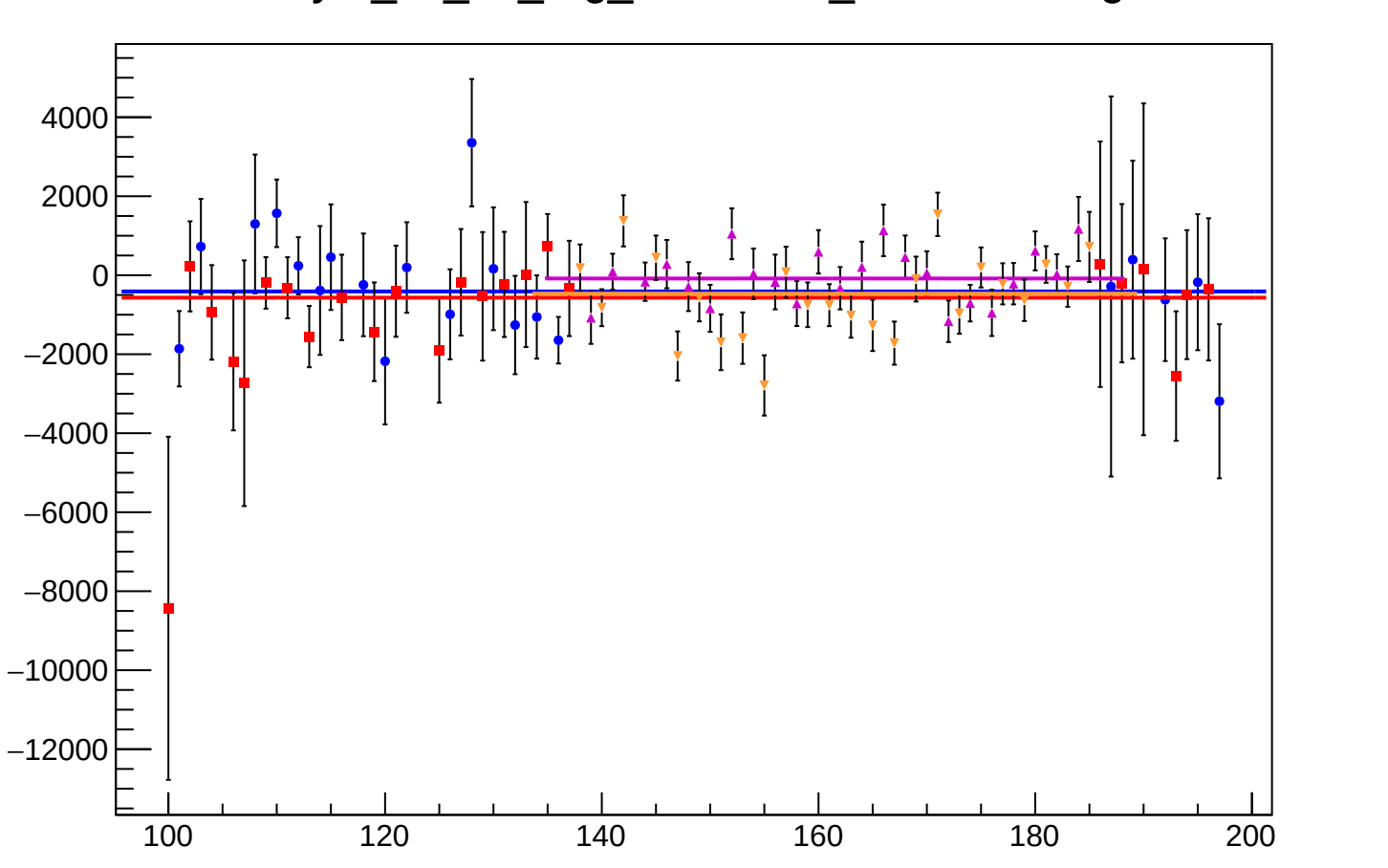
Right Out: 781.961+/-0.163 χ^2/NDF: 18687.9/23

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

+ sign 774.920+/-0.101 χ^2/NDF: 14794.2/44

All: 776.591+/-0.071 χ^2/NDF: 37845.6/91

- sign 778.236+/-0.101 χ^2/NDF: 22512.5/46



Right In: -410.097+/-255.849 χ^2/NDF: 25.5/20

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

Right Out: -568.272+/-250.523 χ^2/NDF: 13.3/23

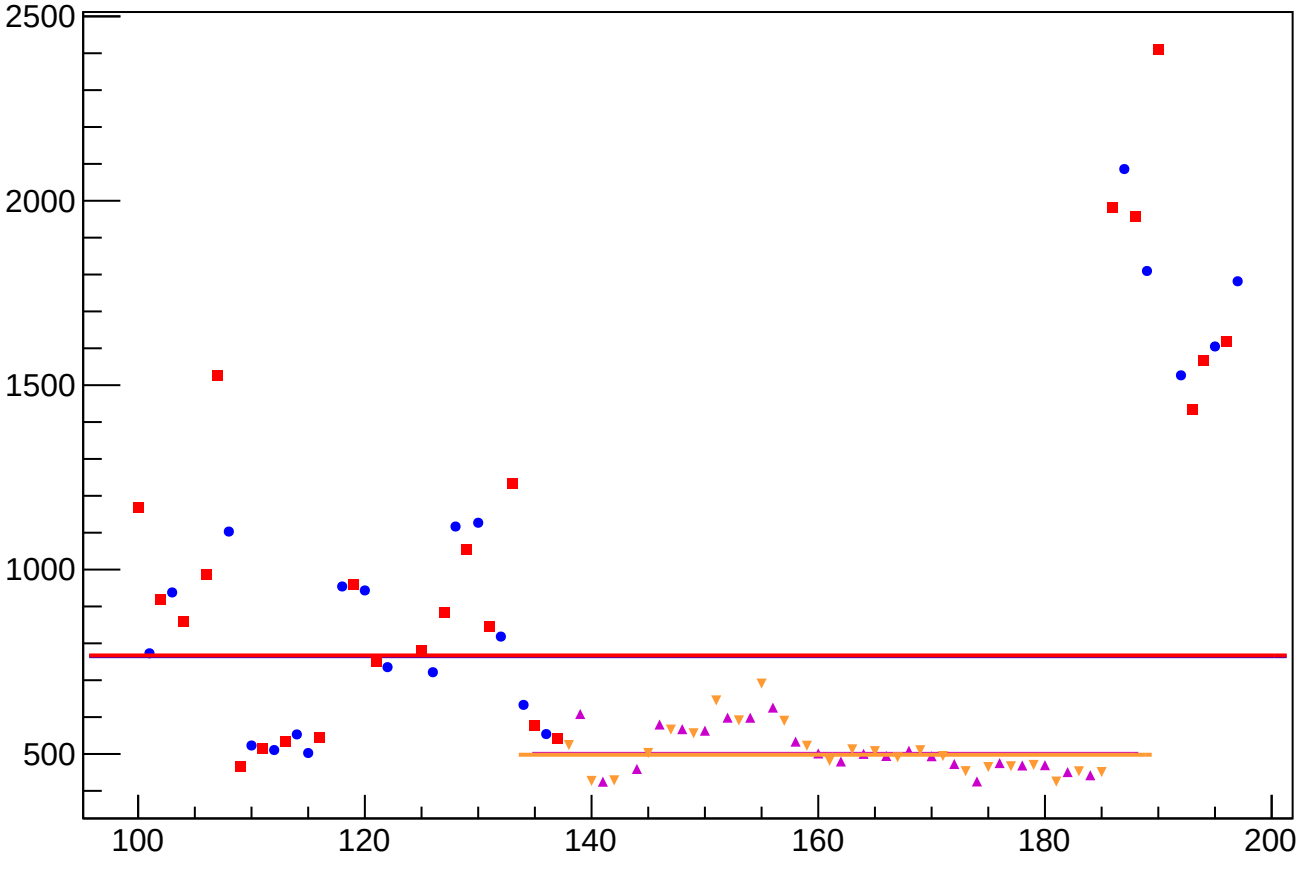
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -457.323+/-106.186 χ^2/NDF: 90.0/44

All: -314.732+/-75.234 χ^2/NDF: 138.1/91

- sign -171.003+/-106.609 χ^2/NDF: 44.5/46

asym_us_dd_reg_correction_rms vs Slug



Right In: 765.236+/-0.181 χ^2/NDF: 3199301.2/20

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

Right Out: 767.151+/-0.177 χ^2/NDF: 4134743.6/23

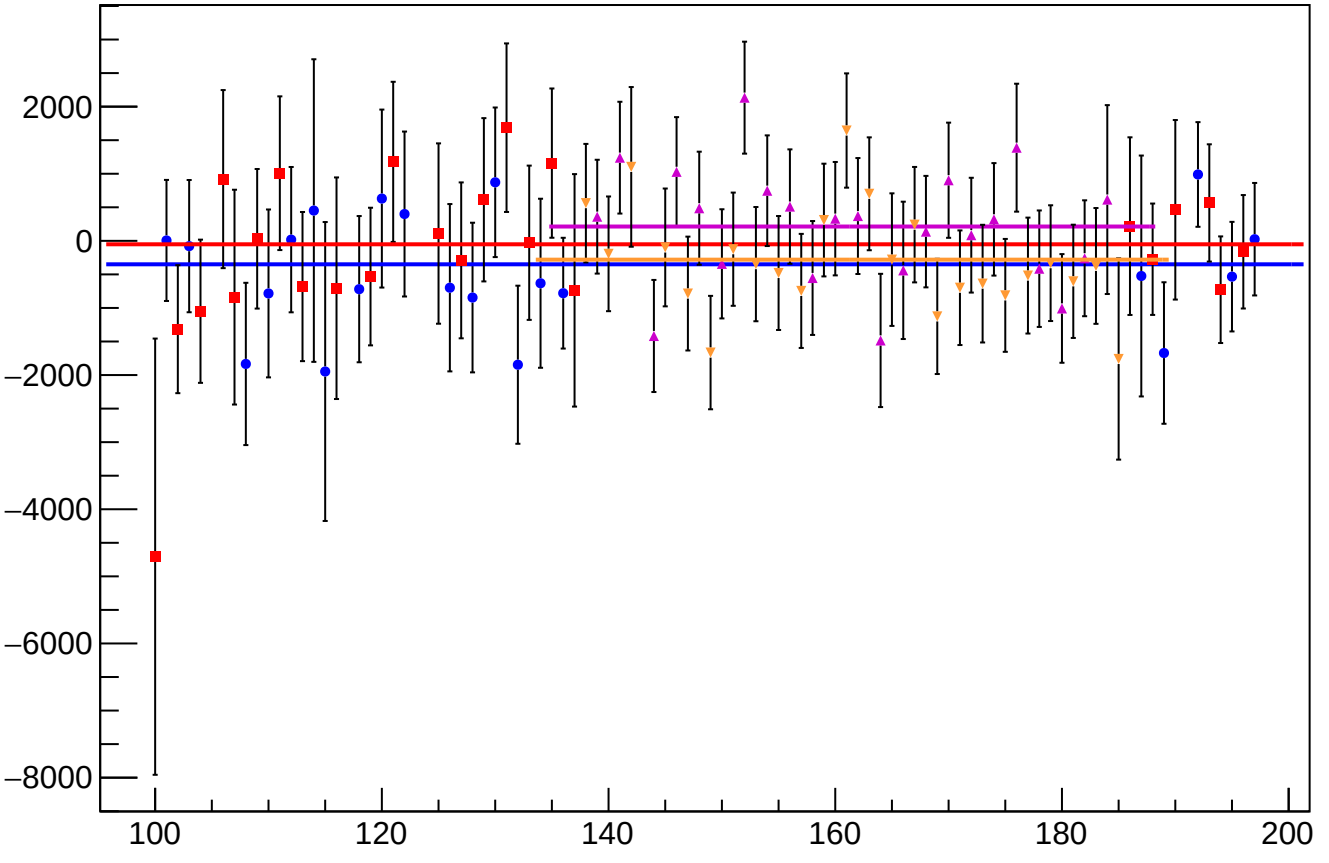
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 544.004+/-0.075 χ^2/NDF: 5532889.5/44

All: 546.307+/-0.053 χ^2/NDF: 12005086.9/91

- sign 548.629+/-0.075 χ^2/NDF: 6470307.5/46

cor_asym_us_dd_mean vs Slug



Right In: -349.561+/-237.328 χ^2/NDF: 11.8/20

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

Right Out: -51.287+/-229.872 χ^2/NDF: 13.2/23

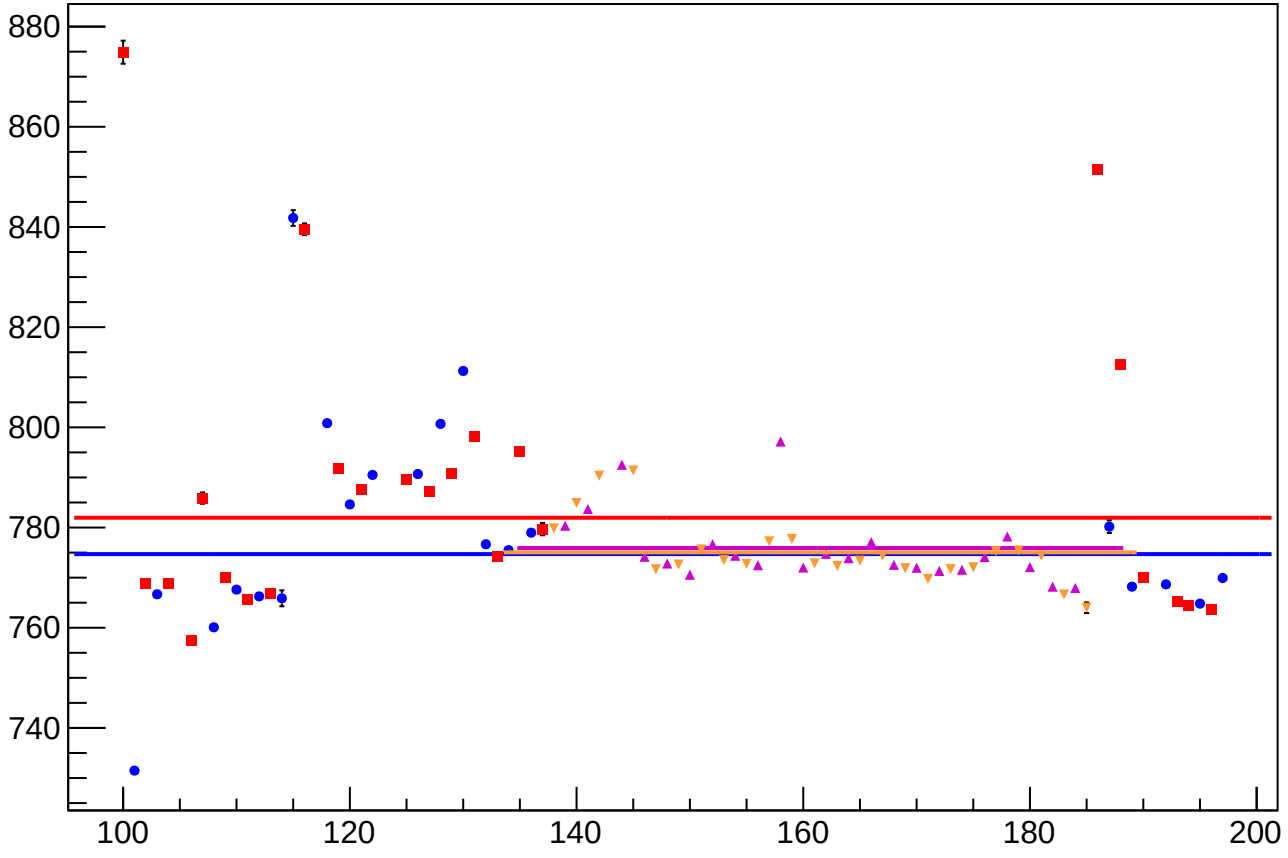
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

\+ sign -305.612+/-143.356 χ^2/NDF: 28.0/44

All: -95.245+/-100.989 χ^2/NDF: 68.6/91

\- sign 112.000+/-142.289 χ^2/NDF: 36.4/46

cor_asym_us_dd_rms vs Slug



Right In: 774.696+/-0.168 χ^2/NDF: 12840.1/20

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

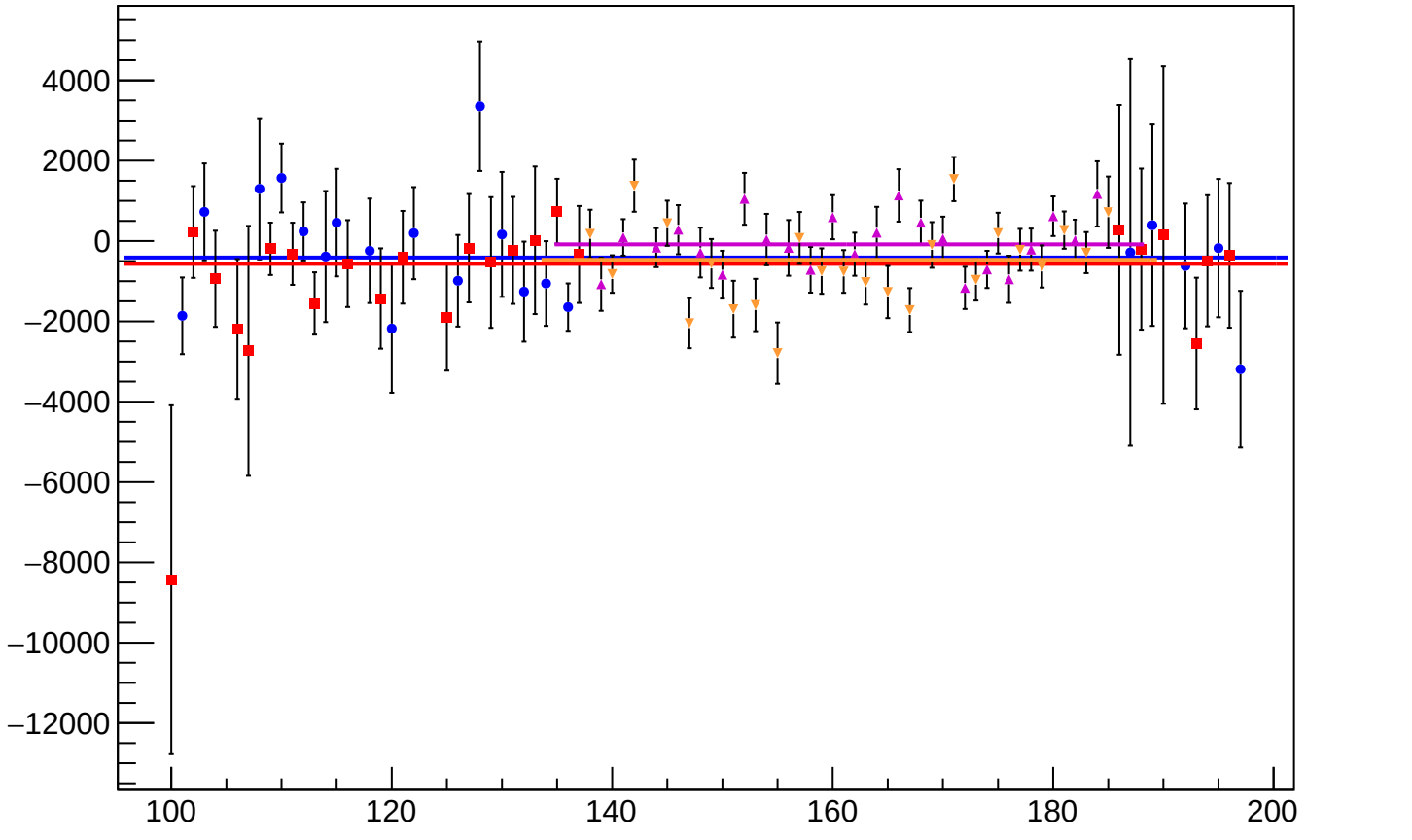
Right Out: 781.961+/-0.163 χ^2/NDF: 18687.9/23

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

+ sign 774.920+/-0.101 χ^2/NDF: 14794.2/44

All: 776.591+/-0.071 χ^2/NDF: 37845.6/91

- sign 778.236+/-0.101 χ^2/NDF: 22512.5/46



Right In: -410.097+/-255.849 χ^2/NDF: 25.5/20

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

Right Out: -568.272+/-250.523 χ^2/NDF: 13.3/23

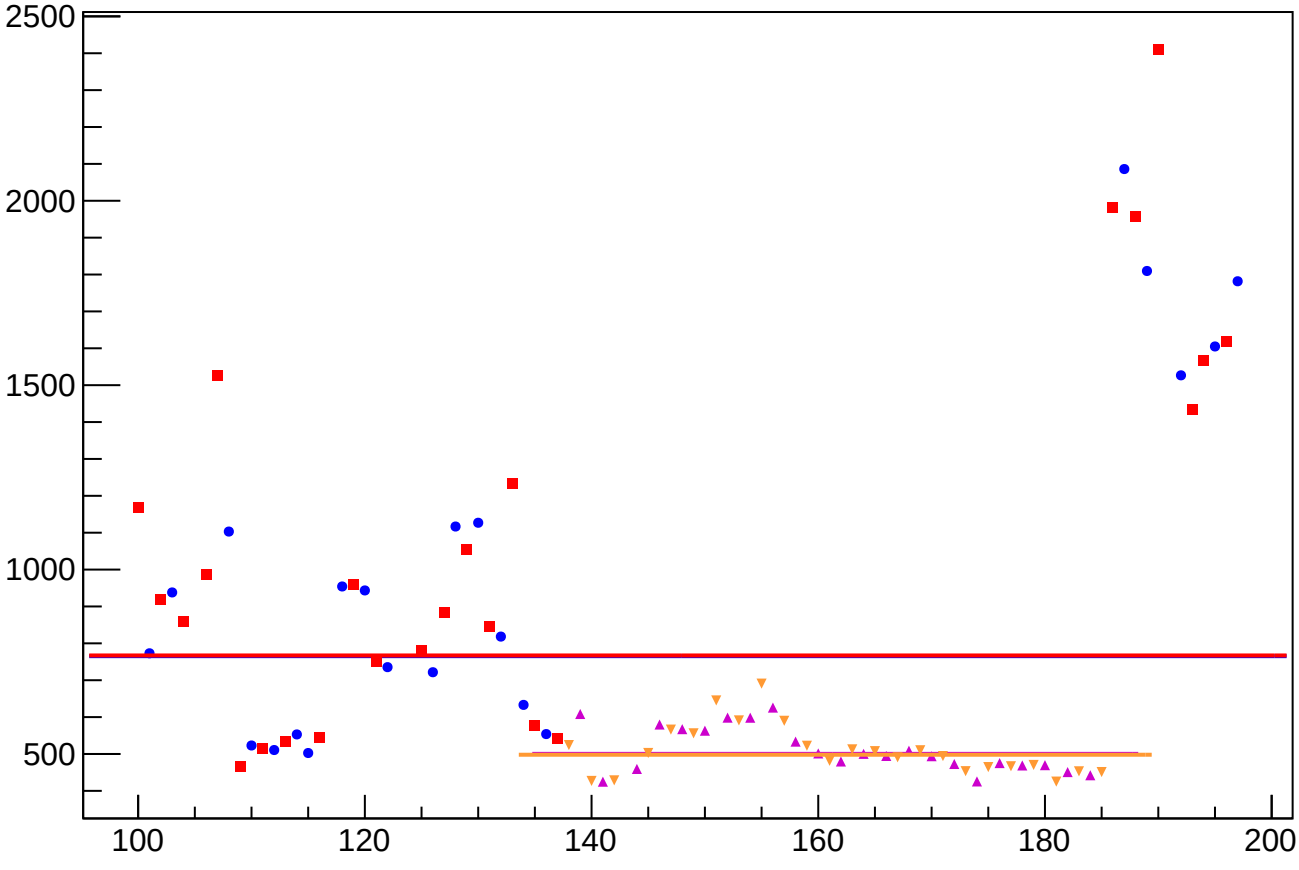
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -457.323+/-106.186 χ^2/NDF: 90.0/44

All: -314.732+/-75.234 χ^2/NDF: 138.1/91

\- sign -171.003+/-106.609 χ^2/NDF: 44.5/46

asym_us_dd_cor_correction_rms vs Slug



Right In: 765.236+/-0.181 χ^2/NDF: 3199301.2/20

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

Right Out: 767.151+/-0.177 χ^2/NDF: 4134743.6/23

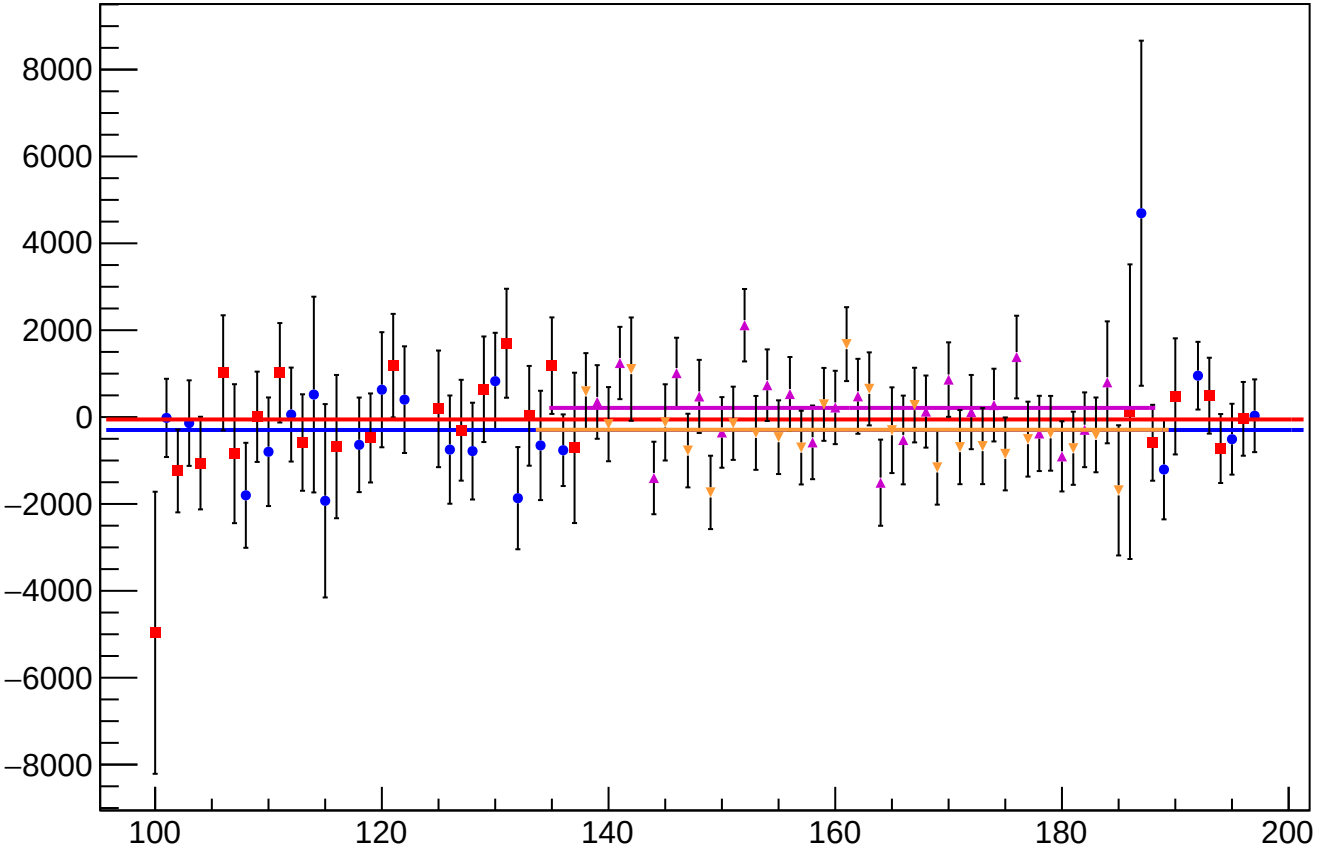
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 544.004+/-0.075 χ^2/NDF: 5532889.5/44

All: 546.307+/-0.053 χ^2/NDF: 12005086.9/91

- sign 548.629+/-0.075 χ^2/NDF: 6470307.5/46

overload_cor_asym_us_dd_mean vs Slug



Right In: -296.962+/-239.747 χ^2/NDF: 12.0/20

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

Right Out: -54.599+/-233.675 χ^2/NDF: 13.5/23

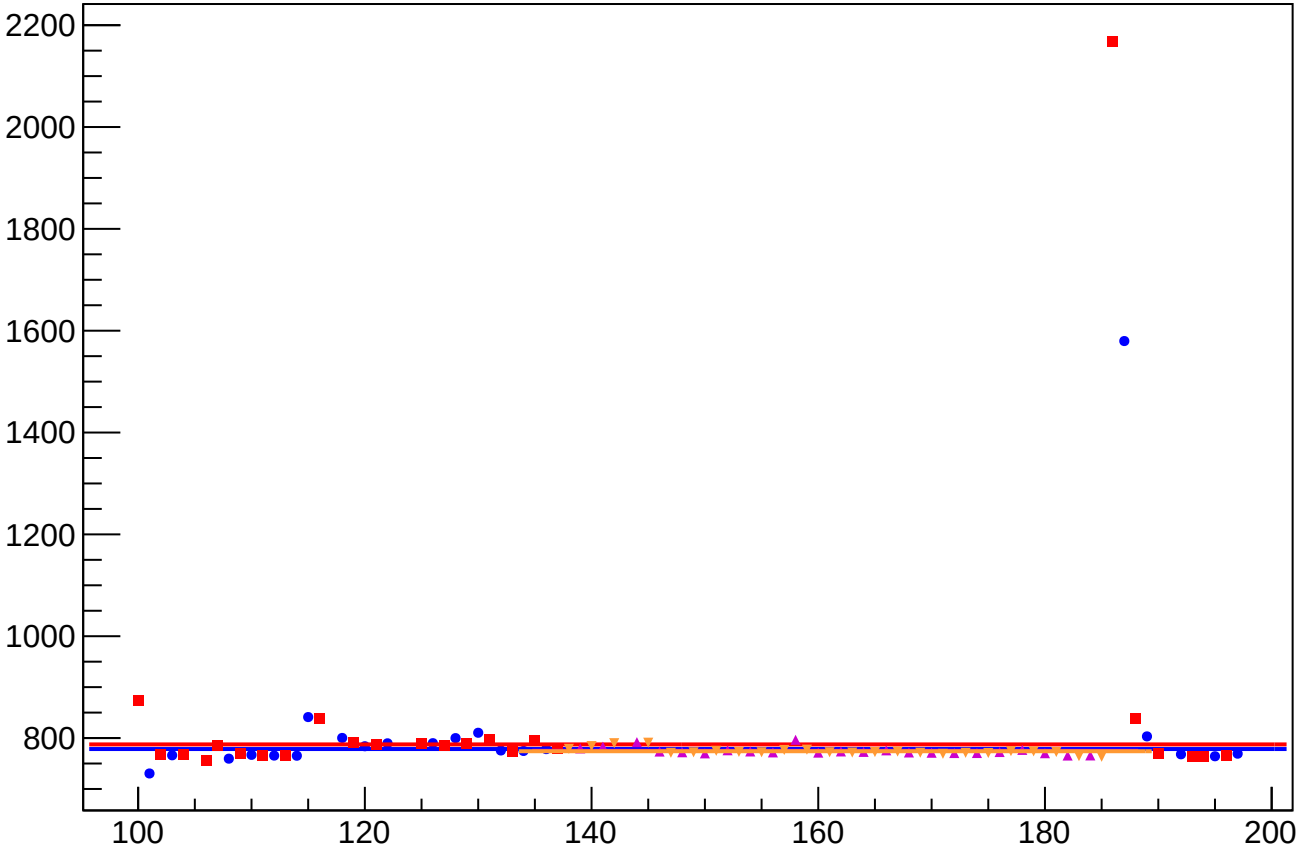
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -293.808+/-143.777 χ^2/NDF: 28.6/44

All: -90.112+/-101.415 χ^2/NDF: 69.1/91

- sign 111.586+/-143.070 χ^2/NDF: 36.5/46

overload_cor_asym_us_dd_rms vs Slug



Right In: 778.439+/-0.170 χ^2/NDF: 95683.2/20

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

Right Out: 787.505+/-0.165 χ^2/NDF: 351345.8/23

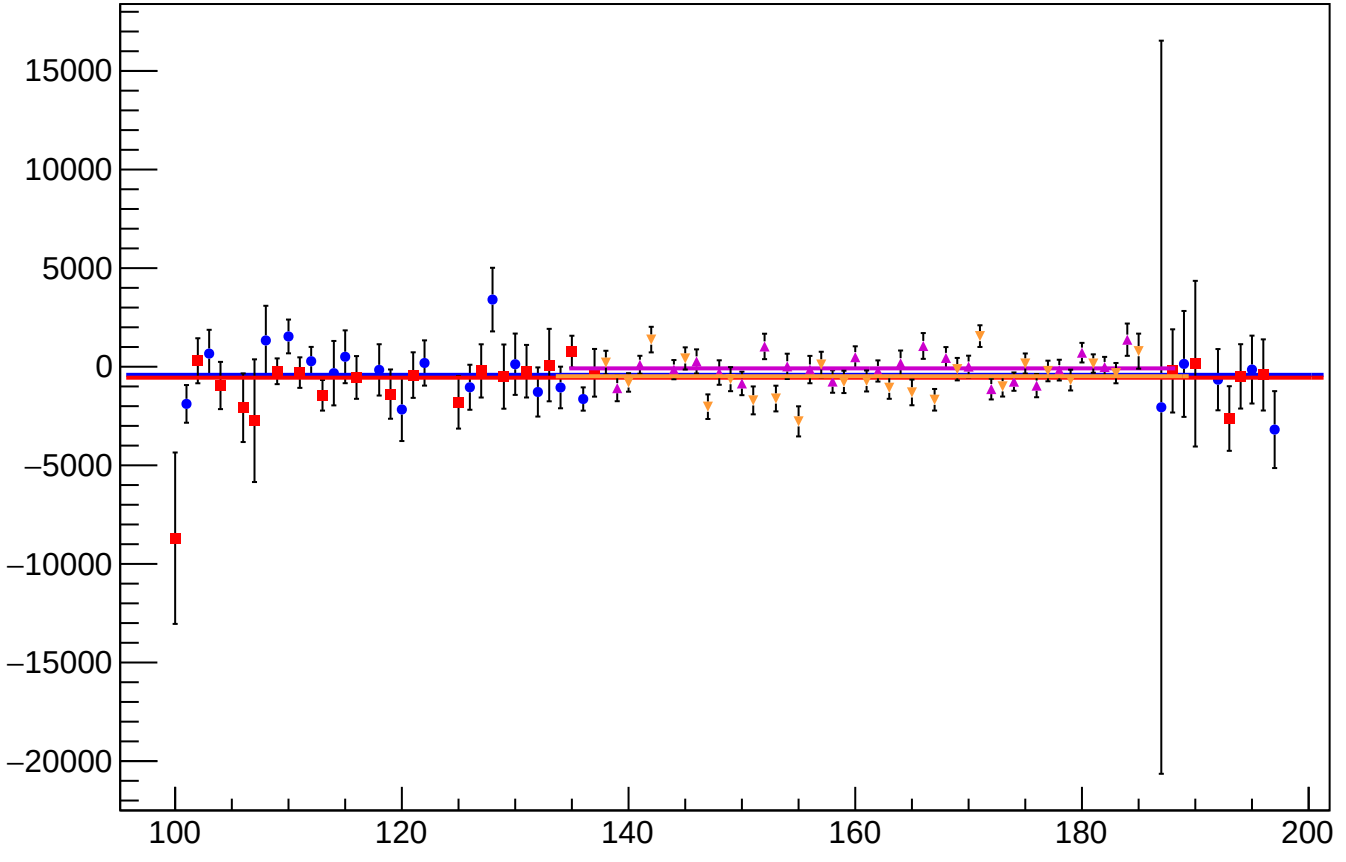
Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

+ sign 775.687+/-0.102 χ^2/NDF: 98155.0/44

All: 777.694+/-0.072 χ^2/NDF: 457010.9/91

- sign 779.681+/-0.101 χ^2/NDF: 358080.4/46

asym_us_dd_overload_cor_correction_mean vs Slug



Right In: -410.627+/-256.708 χ^2/NDF: 25.5/20

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

Right Out: -555.878+/-251.894 χ^2/NDF: 13.1/22

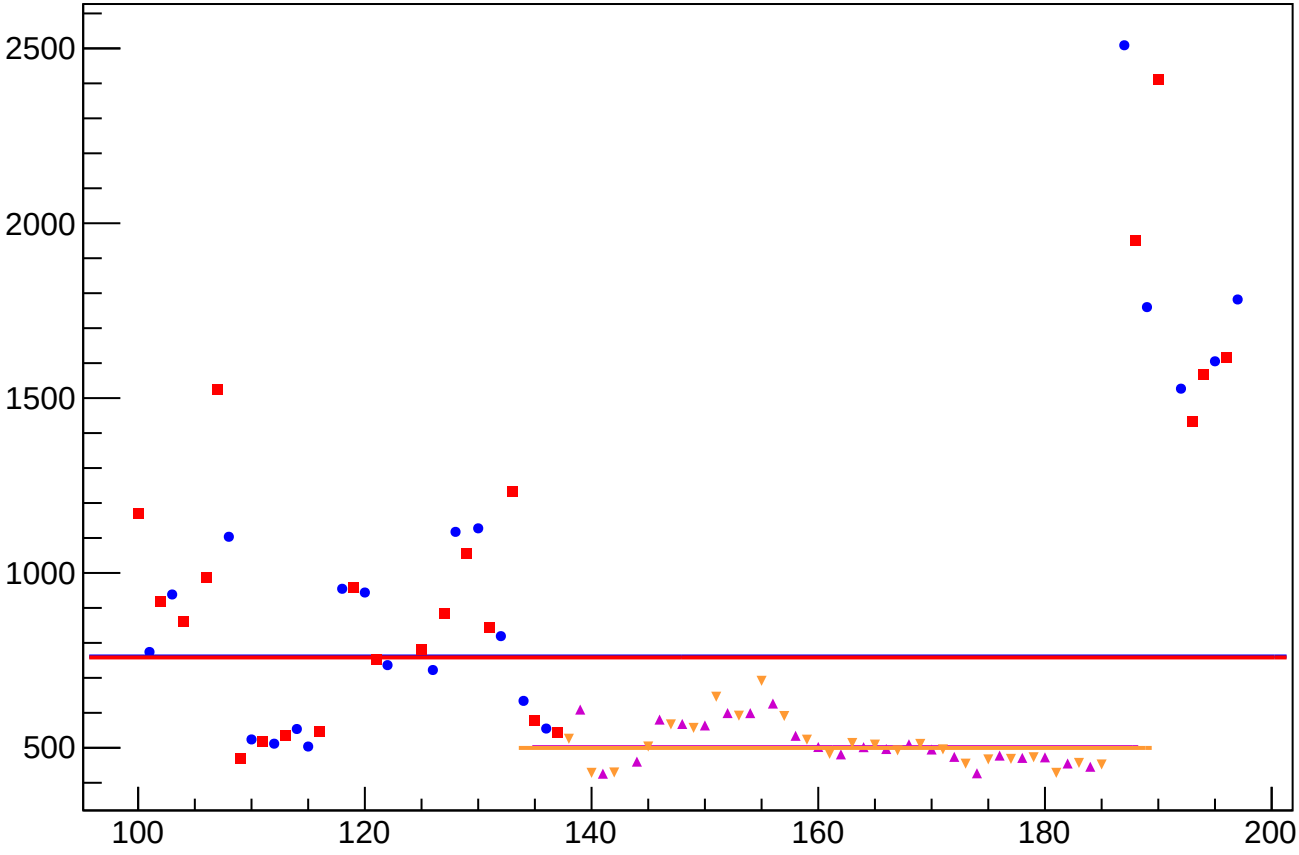
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -469.140+/-106.533 χ^2/NDF: 89.1/44

All: -319.473+/-75.495 χ^2/NDF: 137.3/90

- sign -168.488+/-107.001 χ^2/NDF: 44.2/45

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 761.175+/-0.182 χ^2/NDF: 2984198.7/20

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

Right Out: 758.403+/-0.178 χ^2/NDF: 3733217.7/22

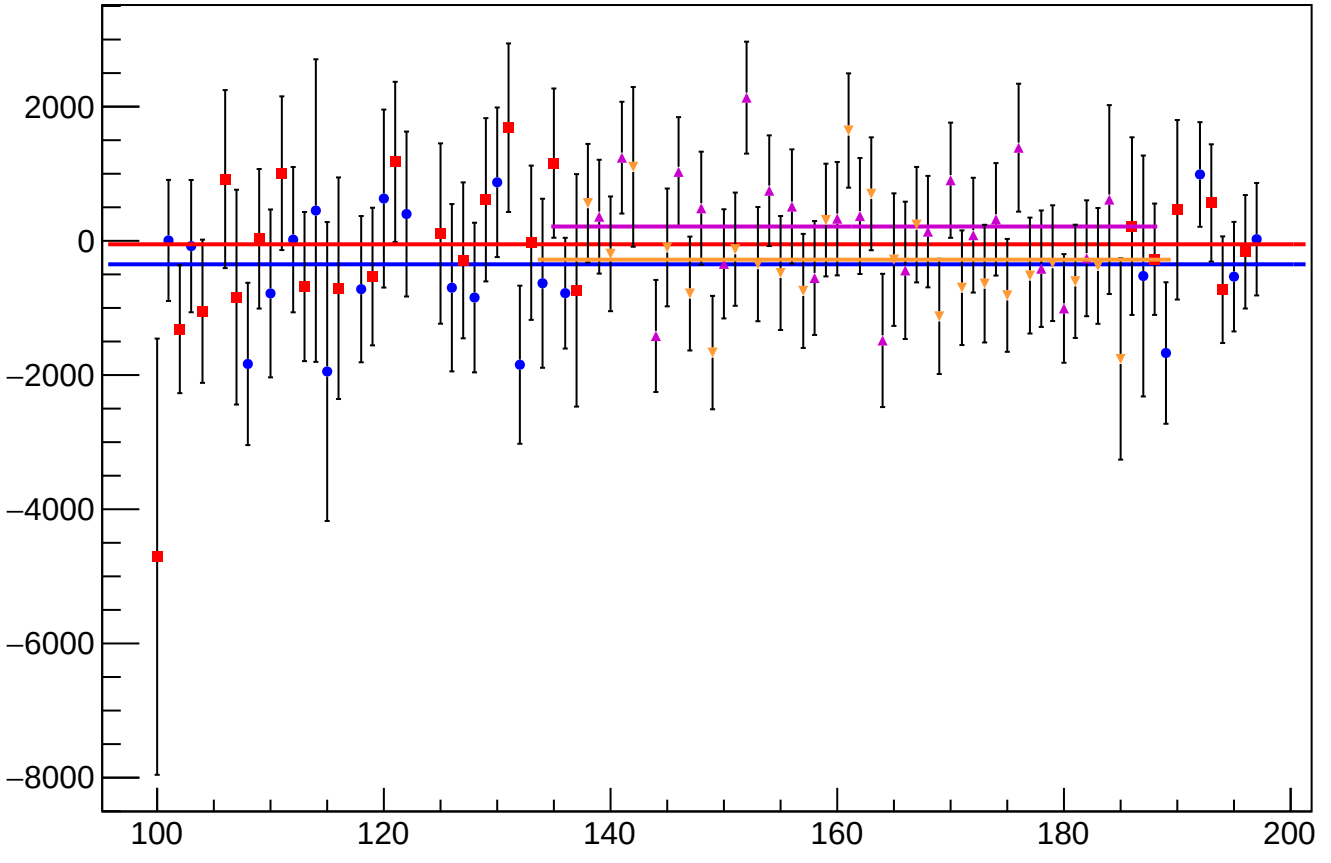
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 544.707+/-0.075 χ^2/NDF: 5218522.0/44

All: 546.489+/-0.053 χ^2/NDF: 11118293.5/90

- sign 548.287+/-0.076 χ^2/NDF: 5898646.9/45

eigen_cor_asym_us_dd_mean vs Slug



Right In: -349.561+/-237.328 χ^2/NDF: 11.8/20

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

Right Out: -51.287+/-229.872 χ^2/NDF: 13.2/23

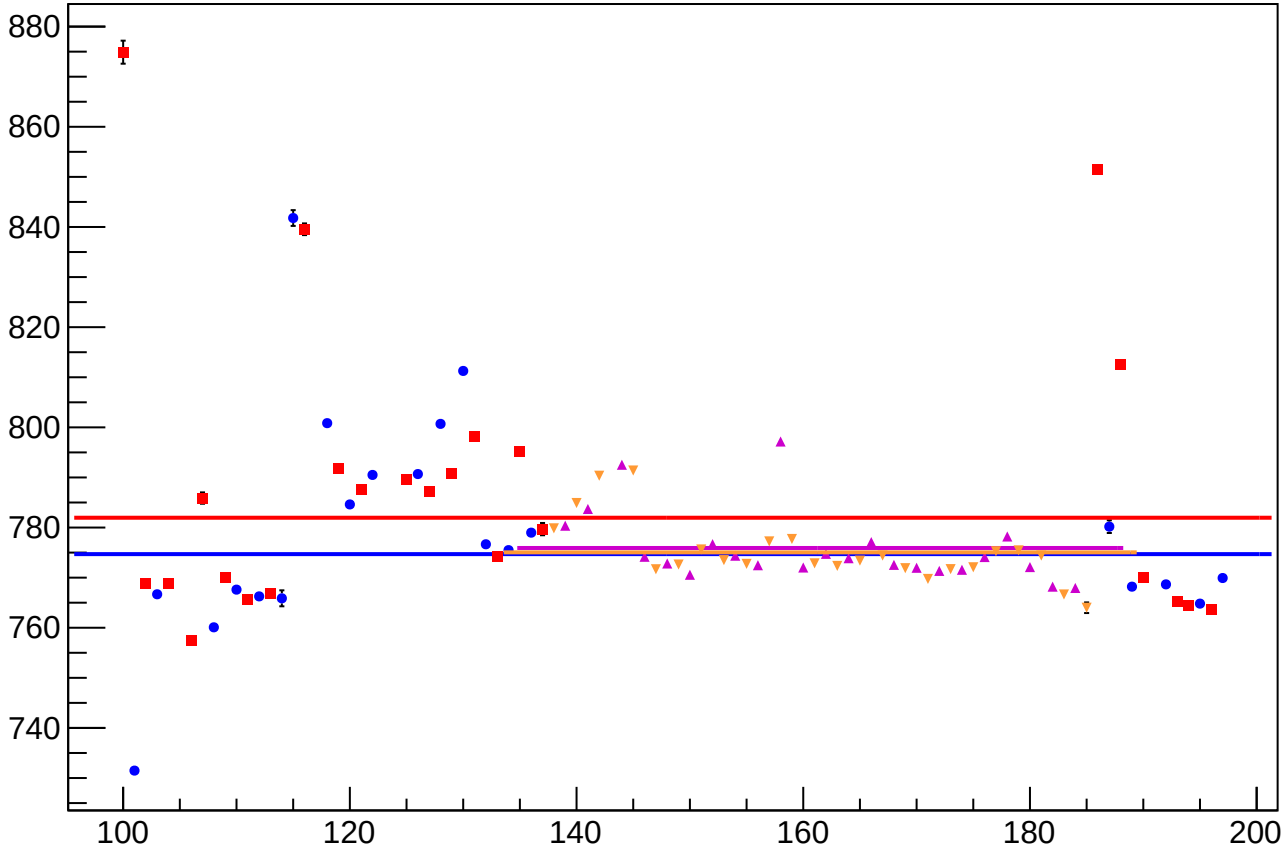
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -305.612+/-143.356 χ^2/NDF: 28.0/44

All: -95.245+/-100.989 χ^2/NDF: 68.6/91

- sign 112.000+/-142.289 χ^2/NDF: 36.4/46

eigen_cor_asym_us_dd_rms vs Slug



Right In: 774.696+/-0.168 χ^2/NDF: 12840.1/20

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

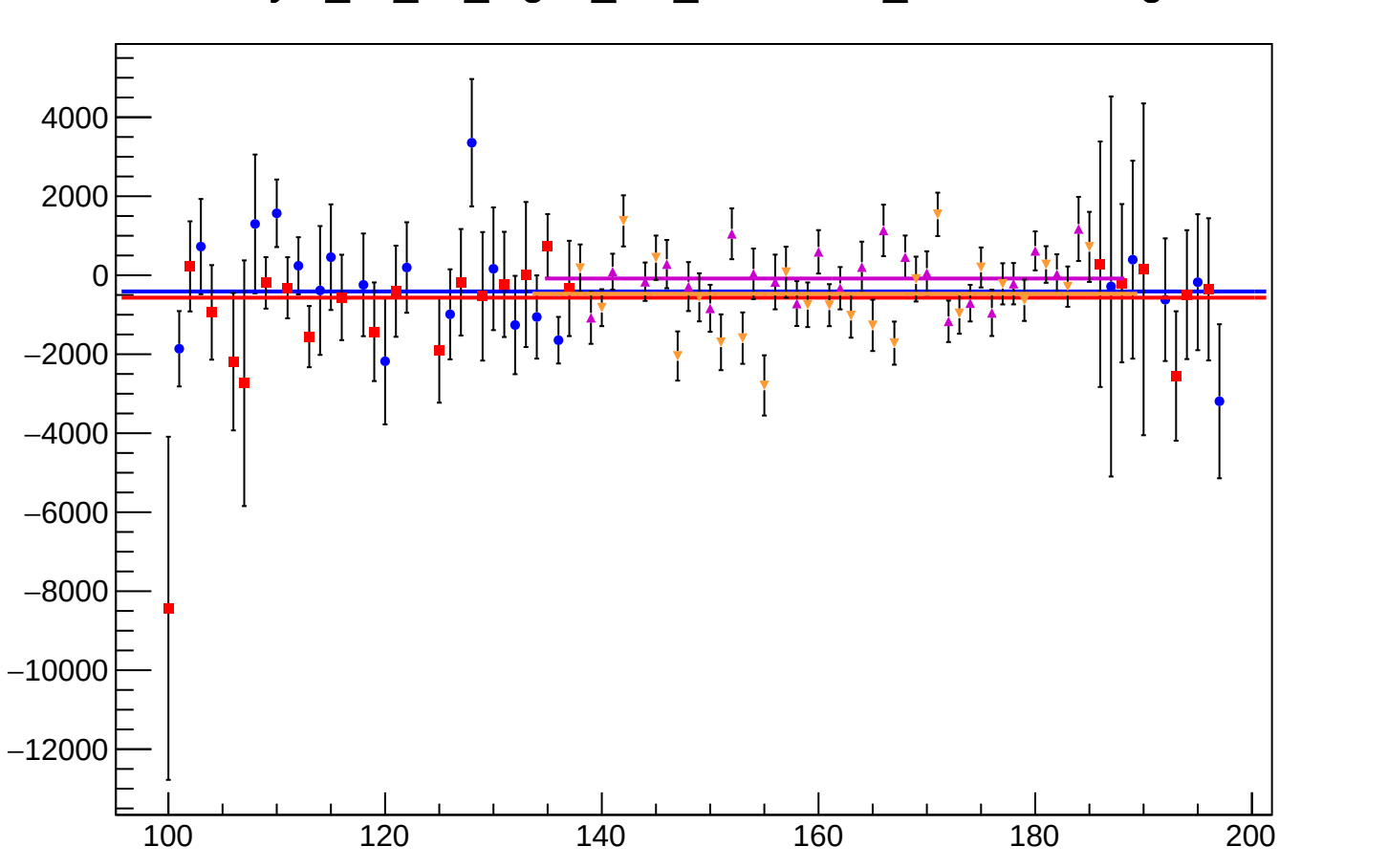
Right Out: 781.961+/-0.163 χ^2/NDF: 18687.9/23

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

+ sign 774.920+/-0.101 χ^2/NDF: 14794.2/44

All: 776.591+/-0.071 χ^2/NDF: 37845.6/91

- sign 778.236+/-0.101 χ^2/NDF: 22512.5/46



Right In: -410.097+/-255.849 χ^2/NDF: 25.5/20

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

Right Out: -568.272+/-250.523 χ^2/NDF: 13.3/23

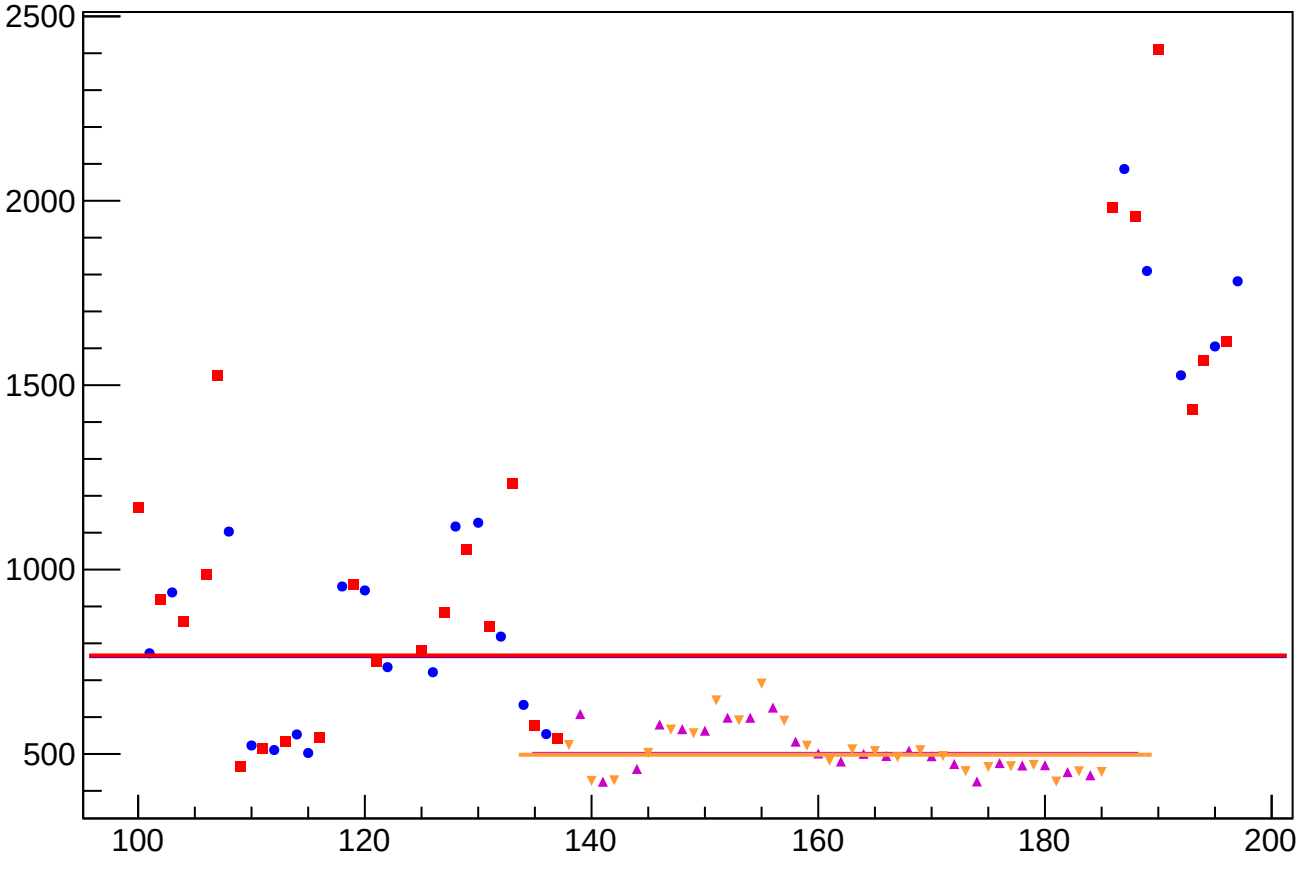
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -457.323+/-106.186 χ^2/NDF: 90.0/44

All: -314.732+/-75.234 χ^2/NDF: 138.1/91

\- sign -171.003+/-106.609 χ^2/NDF: 44.5/46

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 765.236+/-0.181 χ^2/NDF: 3199301.2/20

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

Right Out: 767.151+/-0.177 χ^2/NDF: 4134743.6/23

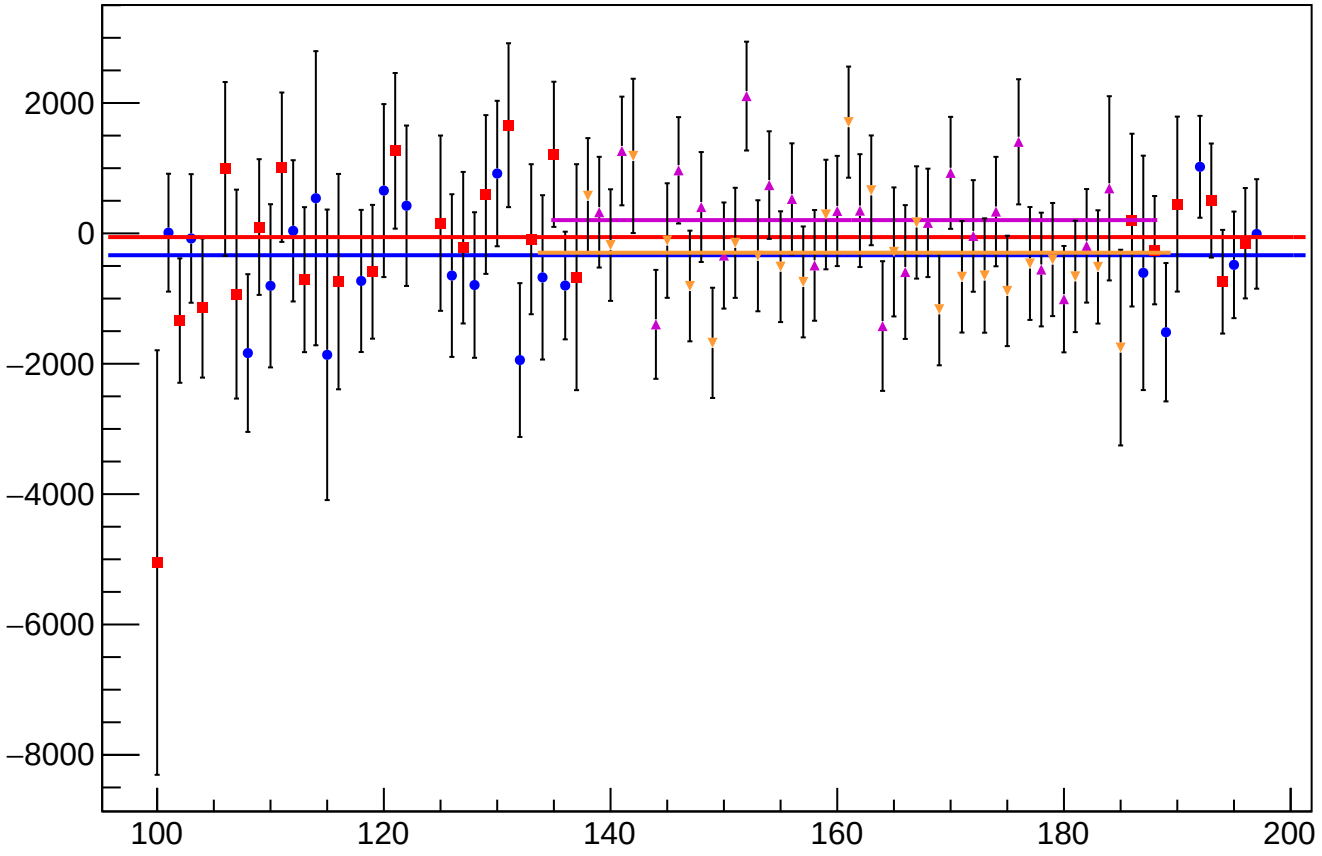
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

\+ sign 544.004+/-0.075 χ^2/NDF: 5532889.5/44

All: 546.307+/-0.053 χ^2/NDF: 12005086.9/91

\- sign 548.629+/-0.075 χ^2/NDF: 6470307.5/46

dit_asym_us_dd_mean vs Slug



Right In: -335.250+/-237.677 χ^2/NDF: 11.9/20

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

Right Out: -57.143+/-230.133 χ^2/NDF: 14.0/23

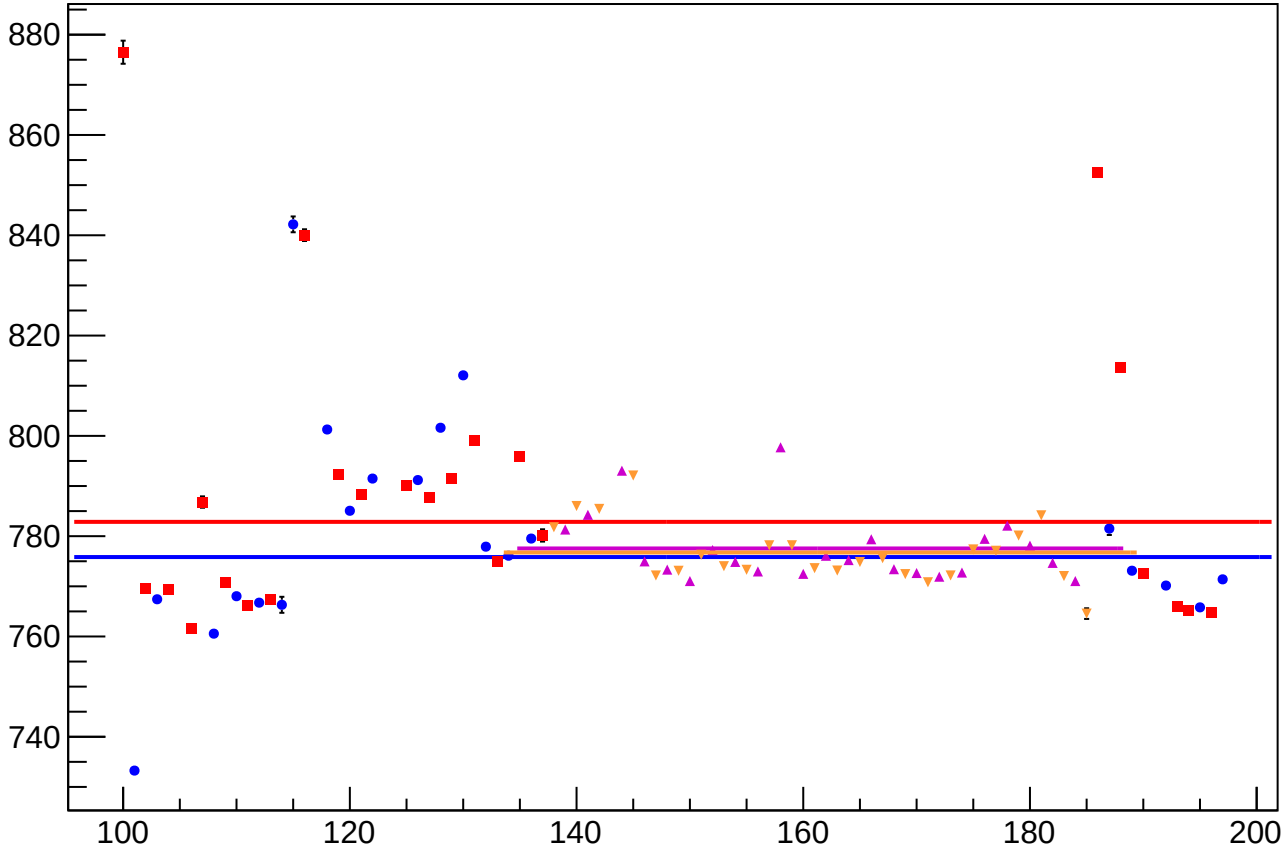
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -310.824+/-143.635 χ^2/NDF: 28.6/44

All: -102.111+/-101.174 χ^2/NDF: 69.7/91

- sign 103.417+/-142.535 χ^2/NDF: 36.9/46

dit_asym_us_dd_rms vs Slug



Right In: 775.838+/-0.168 χ^2/NDF: 12455.2/20

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

Right Out: 782.855+/-0.163 χ^2/NDF: 18518.4/23

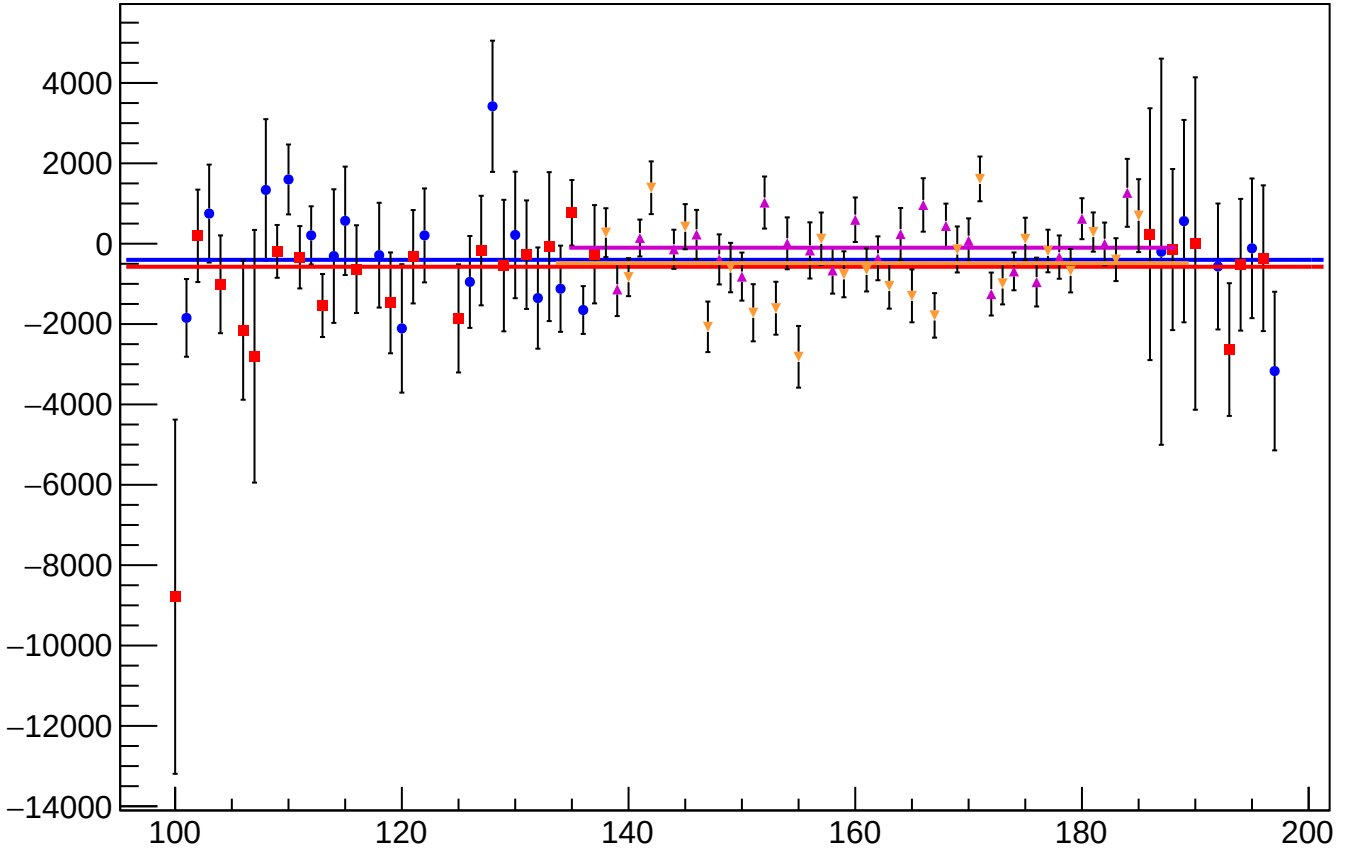
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

\+ sign 776.418+/-0.102 χ^2/NDF: 14300.2/44

All: 778.013+/-0.072 χ^2/NDF: 36714.4/91

\- sign 779.585+/-0.101 χ^2/NDF: 21924.2/46

asym_us_dd_dit_correction_mean vs Slug



Right In: -401.841+/-258.345 χ^2/NDF: 25.5/20

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

Right Out: -574.454+/-252.679 χ^2/NDF: 13.5/23

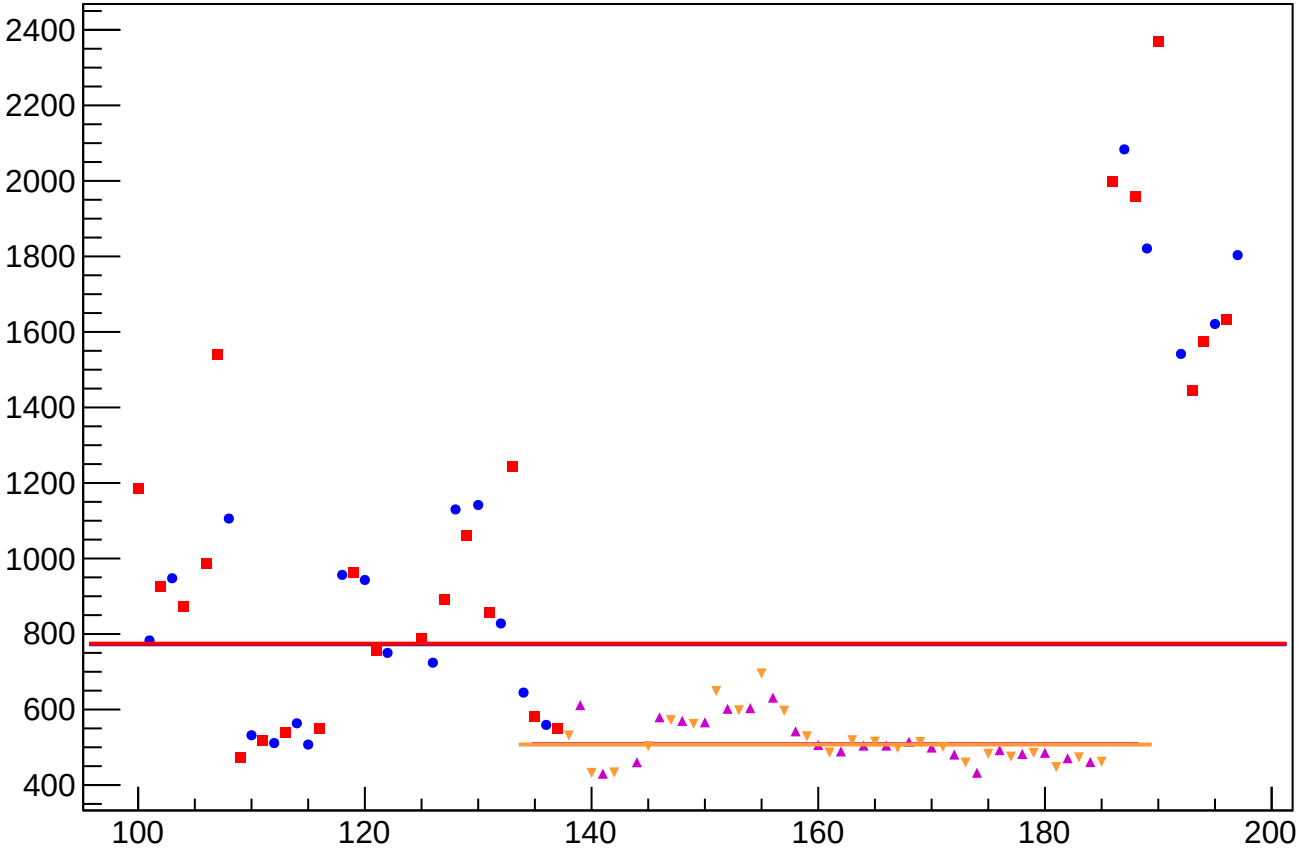
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -468.739+/-107.939 χ^2/NDF: 90.7/44

All: -328.116+/-76.402 χ^2/NDF: 137.8/91

- sign -186.920+/-108.159 χ^2/NDF: 43.8/46

asym_us_dd_dit_correction_rms vs Slug



Right In: 772.884+/-0.183 χ^2/NDF: 3197328.8/20

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

Right Out: 774.420+/-0.179 χ^2/NDF: 4109425.4/23

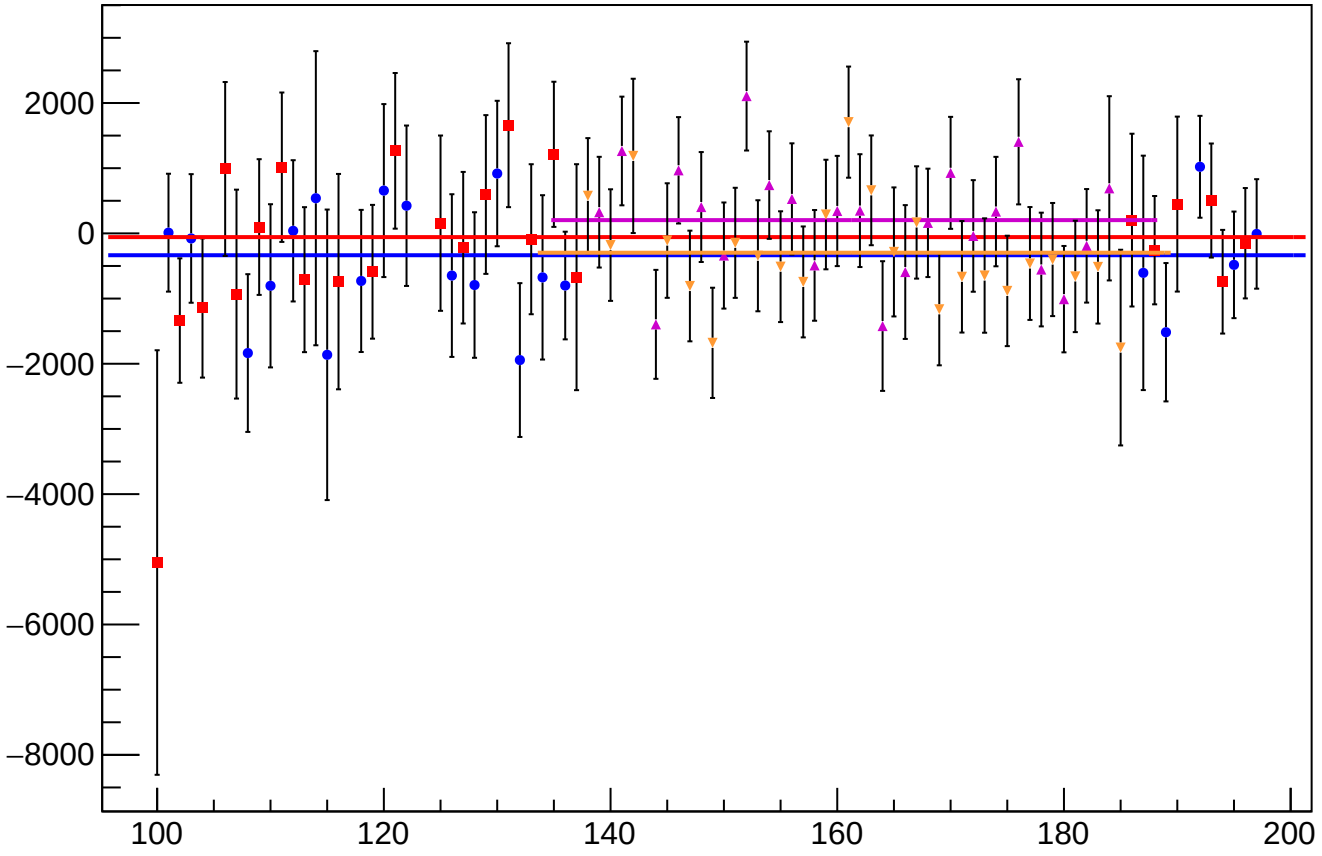
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

+ sign 553.677+/-0.076 χ^2/NDF: 5415745.8/44

All: 555.503+/-0.054 χ^2/NDF: 11766131.1/91

- sign 557.336+/-0.076 χ^2/NDF: 6349238.5/46

eigen_dit_asym_us_dd_mean vs Slug



Right In: -335.249+/-237.677 χ^2/NDF: 11.9/20

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

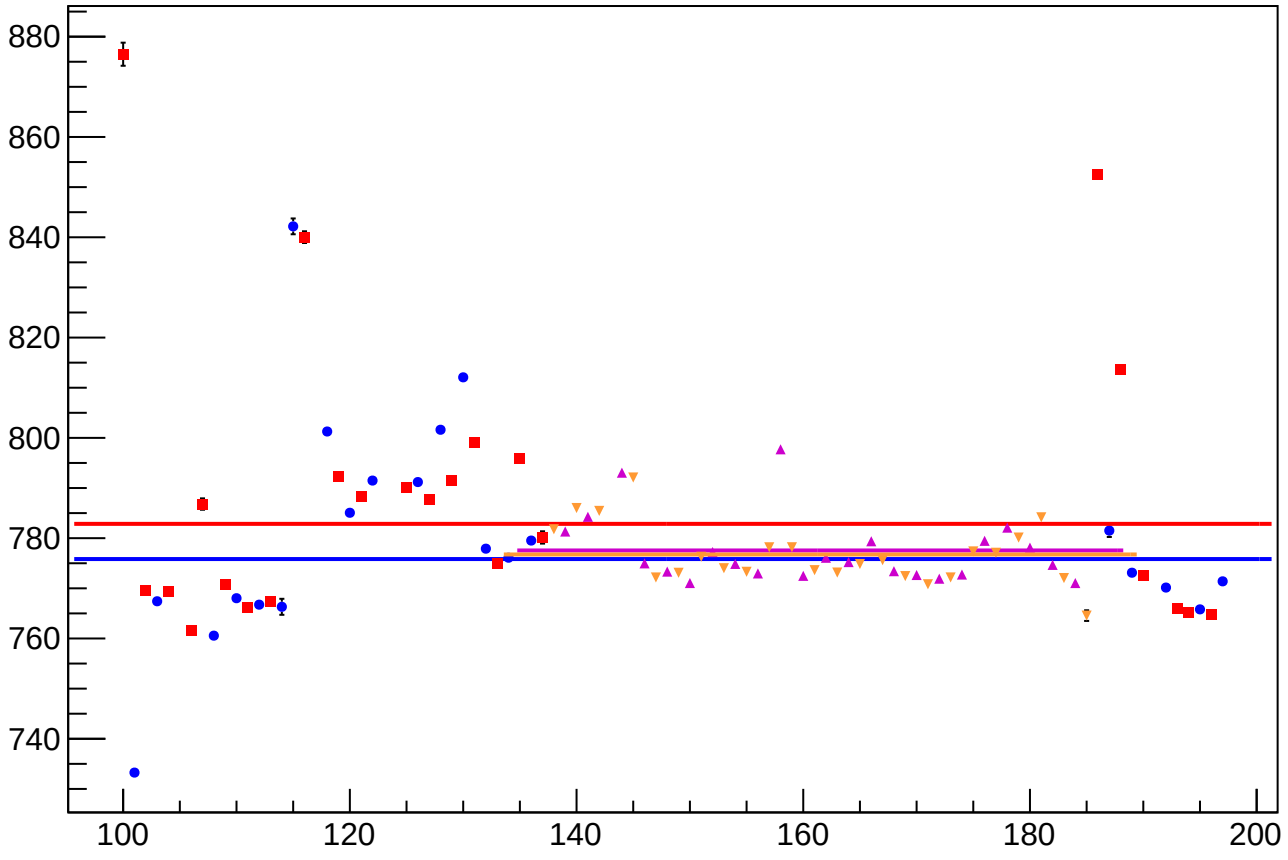
Right Out: -57.142+/-230.133 χ^2/NDF: 14.0/23

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

+ sign -310.824+/-143.635 χ^2/NDF: 28.6/44

All: -102.111+/-101.174 χ^2/NDF: 69.7/91

- sign 103.417+/-142.535 χ^2/NDF: 36.9/46



Right In: 775.838+/-0.168 χ^2/NDF: 12455.1/20

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

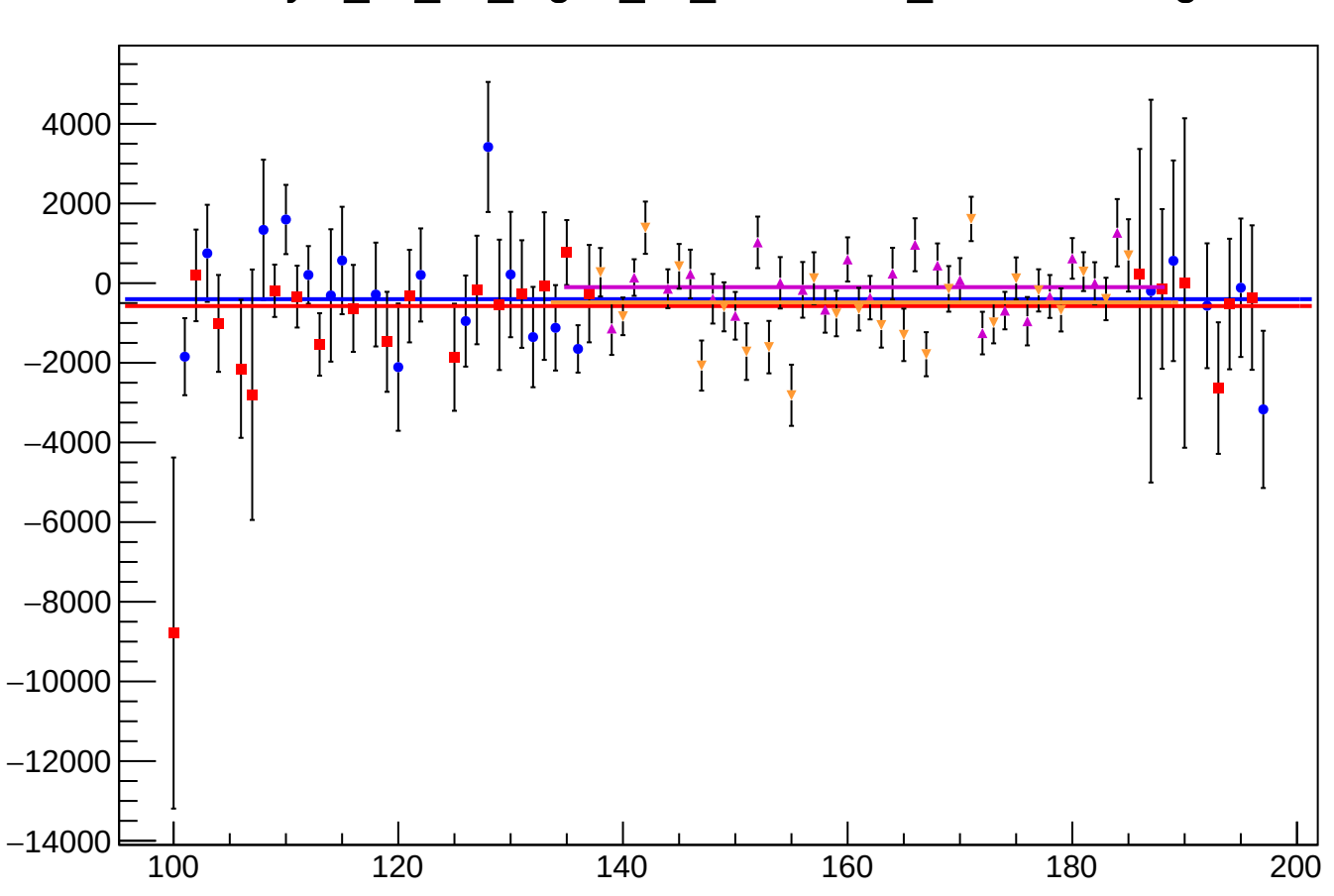
Right Out: 782.855+/-0.163 χ^2/NDF: 18518.3/23

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

+ sign 776.417+/-0.102 χ^2/NDF: 14300.2/44

All: 778.013+/-0.072 χ^2/NDF: 36714.3/91

- sign 779.585+/-0.101 χ^2/NDF: 21924.2/46



Right In: -401.837+/-258.343 χ^2/NDF: 25.5/20

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

Right Out: -574.453+/-252.678 χ^2/NDF: 13.5/23

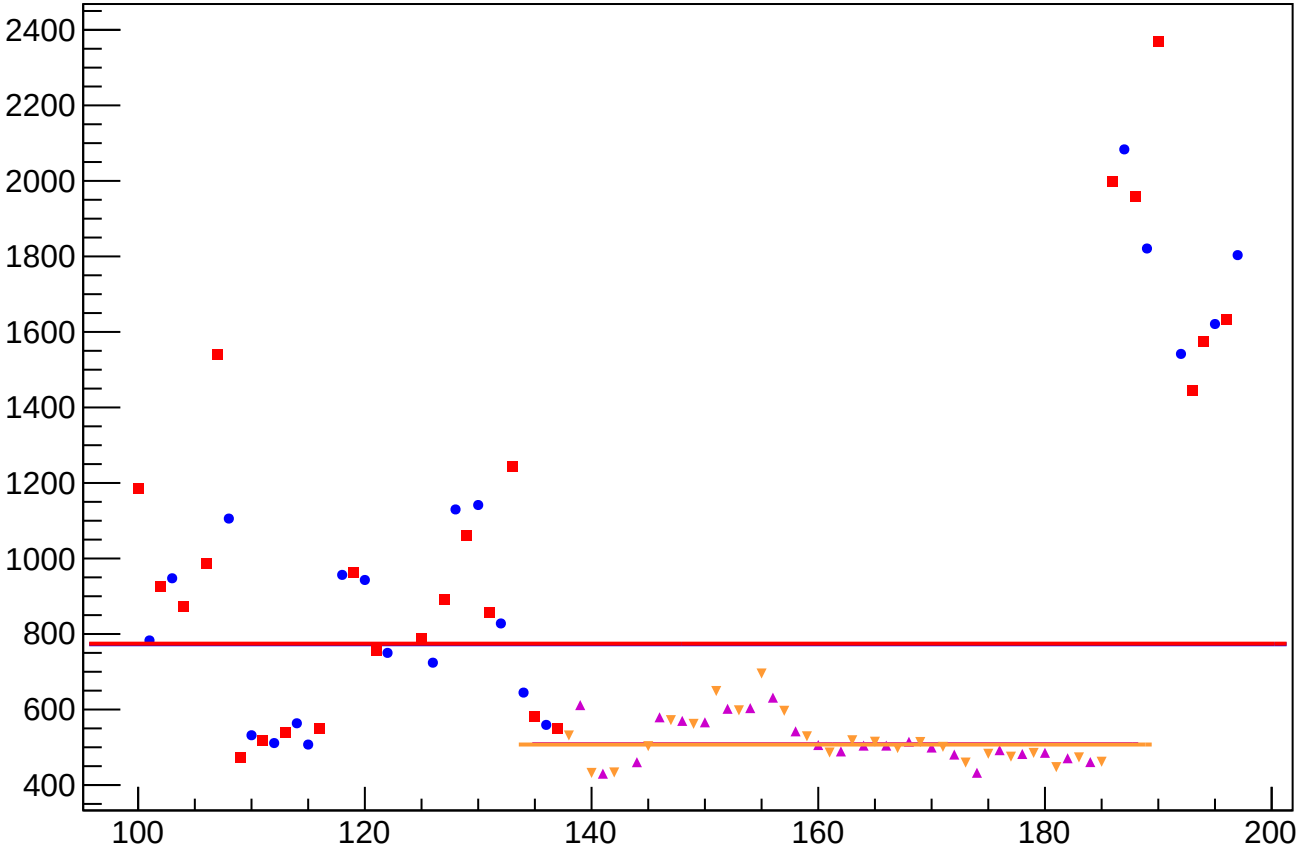
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -468.738+/-107.939 χ^2/NDF: 90.7/44

All: -328.115+/-76.402 χ^2/NDF: 137.8/91

- sign -186.920+/-108.158 χ^2/NDF: 43.8/46

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 772.880+/-0.183 χ^2/NDF: 3197352.7/20

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

Right Out: 774.417+/-0.179 χ^2/NDF: 4109459.1/23

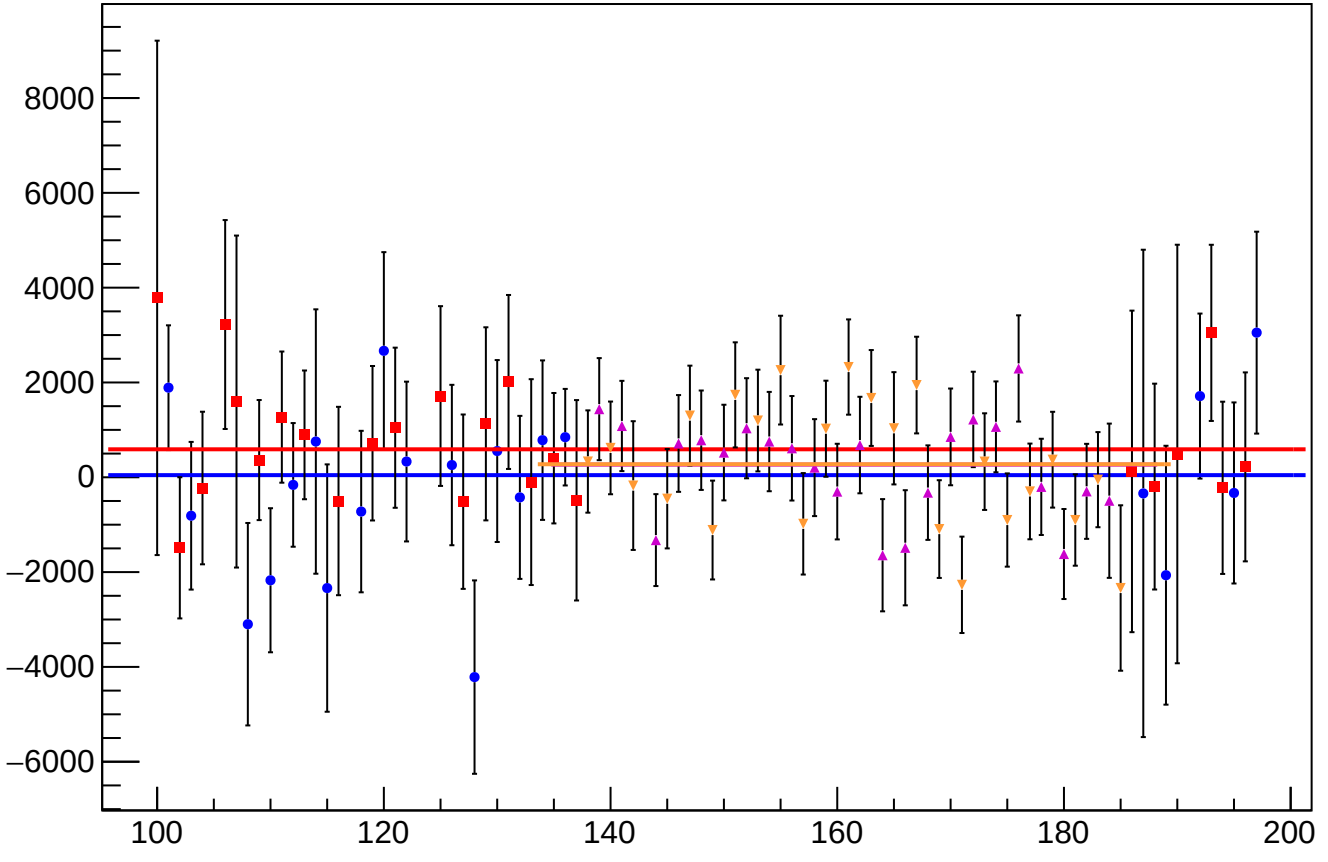
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 553.677+/-0.076 χ^2/NDF: 5415738.3/44

All: 555.503+/-0.054 χ^2/NDF: 11766134.4/91

- sign 557.336+/-0.076 χ^2/NDF: 6349249.4/46

asym_us_dd_mean vs Slug



Right In: 45.272+/-379.406 χ^2/NDF: 18.2/20

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

Right Out: 590.289+/-375.334 χ^2/NDF: 8.7/23

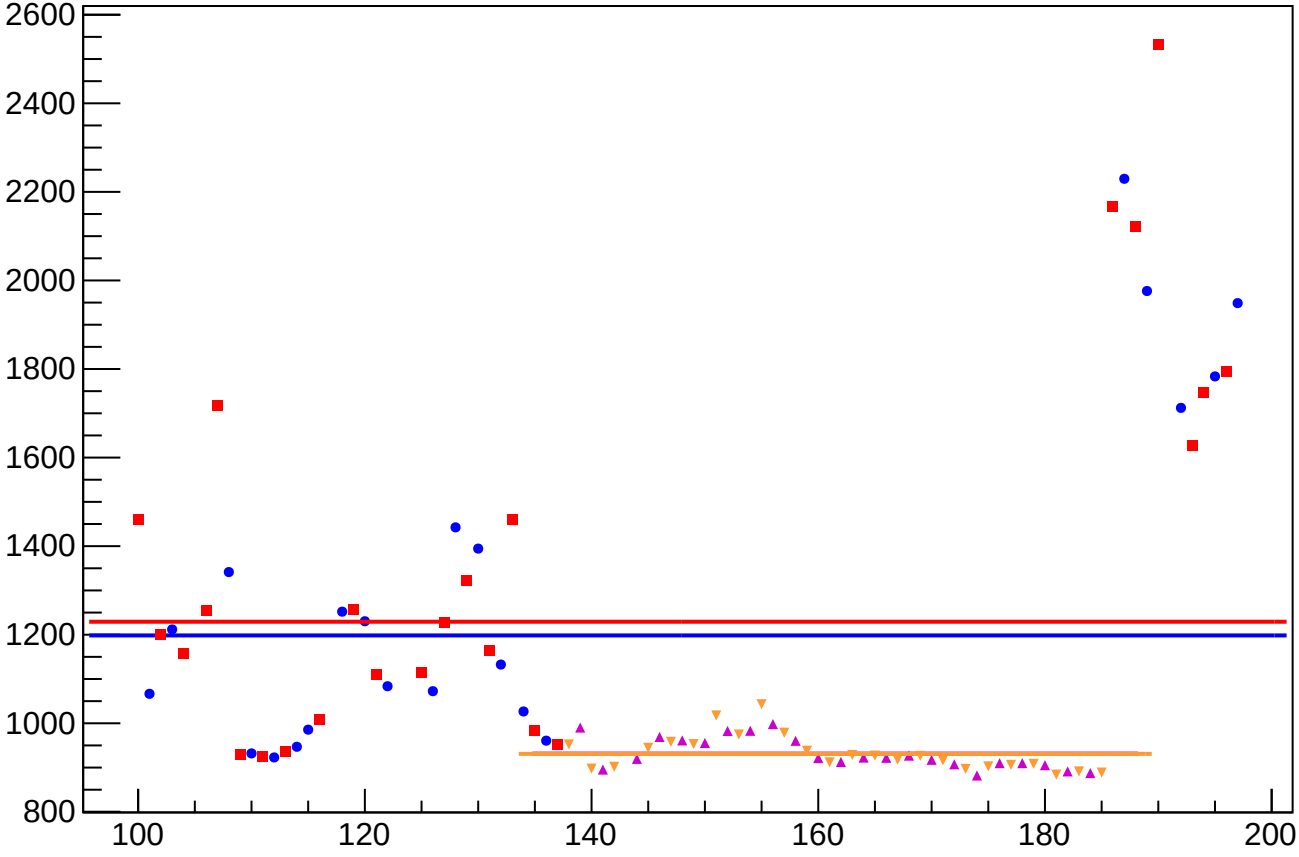
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 218.791+/-187.901 χ^2/NDF: 52.1/44

All: 283.465+/-133.009 χ^2/NDF: 82.9/91

- sign 348.418+/-188.306 χ^2/NDF: 30.6/46

asym_us_dd_rms vs Slug



Right In: 1198.404+/-0.268 χ^2/NDF: 1267495.0/20

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

Right Out: 1229.318+/-0.265 χ^2/NDF: 1599889.1/23

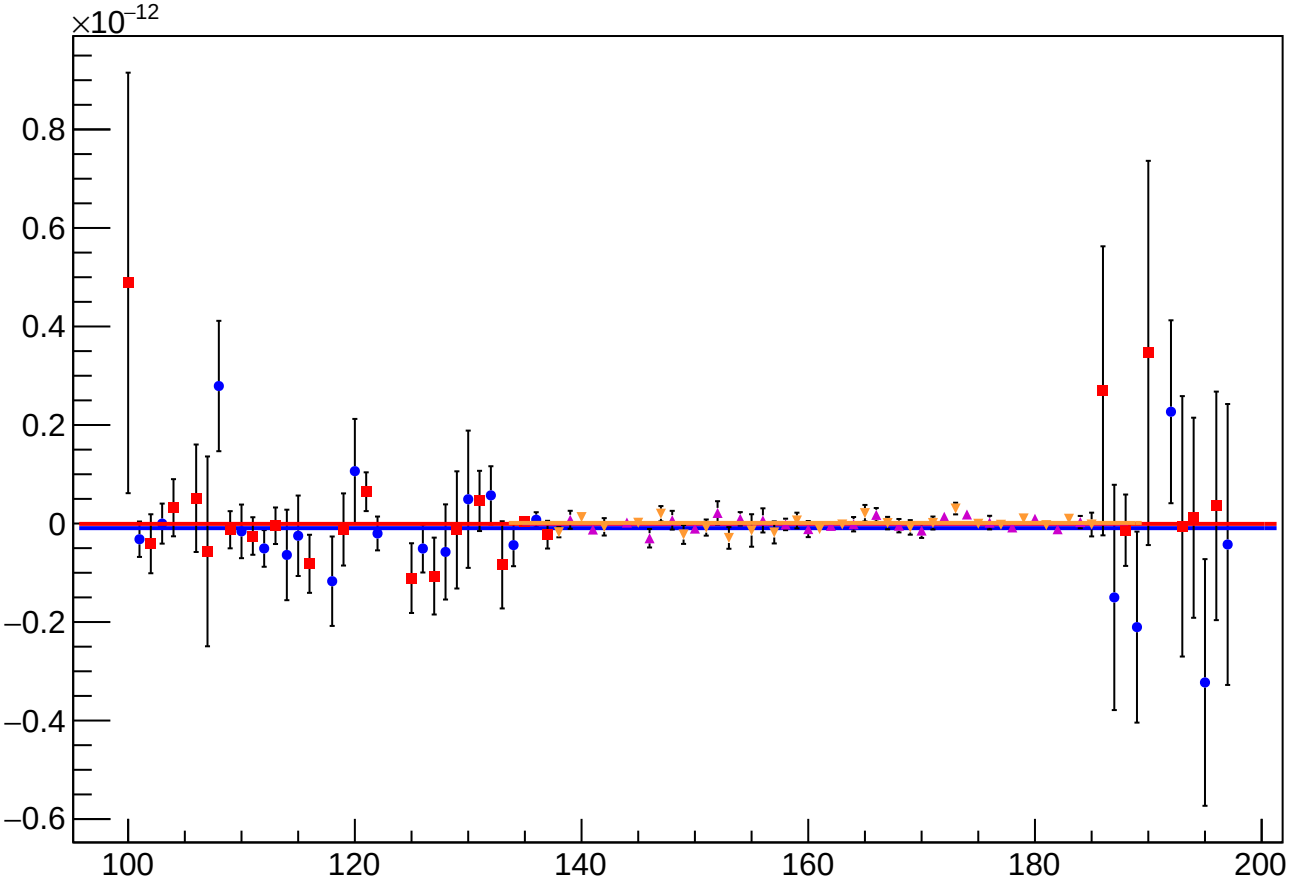
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 996.528+/-0.133 χ^2/NDF: 2079684.5/44

All: 1001.508+/-0.094 χ^2/NDF: 4673166.9/91

- sign 1006.509+/-0.133 χ^2/NDF: 2590667.1/46

asym_us_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/20

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

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/23

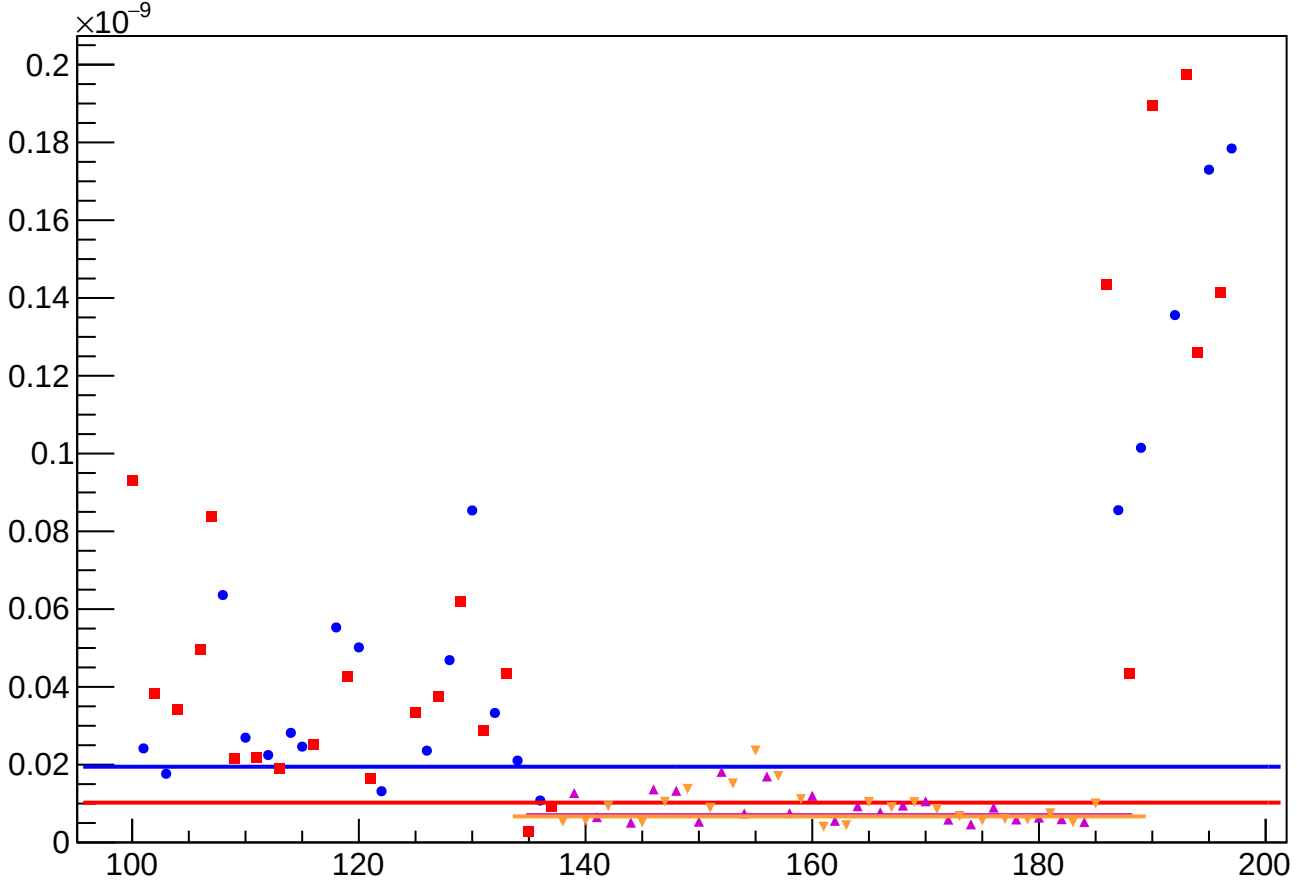
Left In: 0.000+/-0.000 χ^2/NDF:22.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.2/44

All: 0.000+/-0.000 χ^2/NDF: 83.4/91

- sign 0.000+/-0.000 χ^2/NDF: 38.1/46

asym_us_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4948783.7/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 8717047.6/23

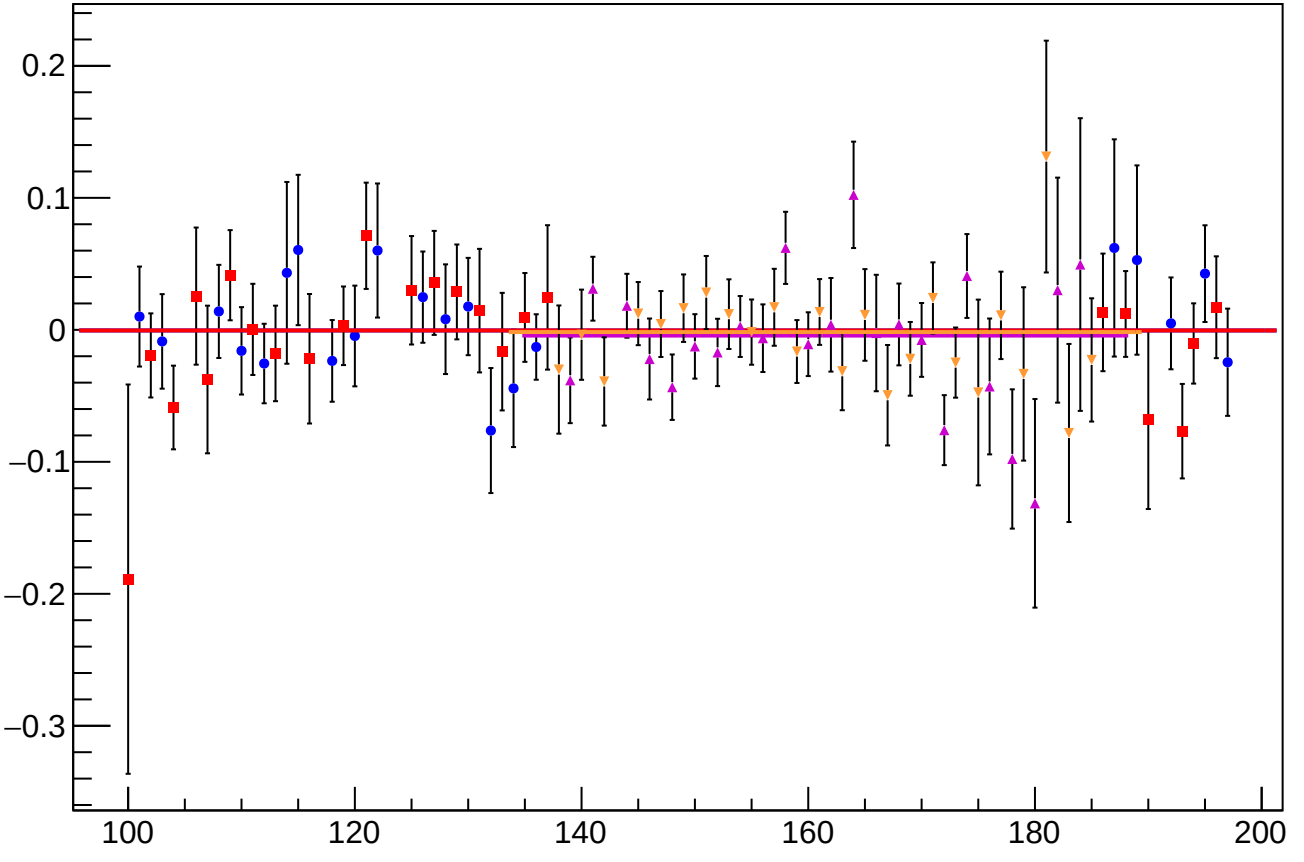
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10873559.5/44

All: 0.000+/-0.000 χ^2/NDF: 22392214.2/91

- sign 0.000+/-0.000 χ^2/NDF: 11518545.7/46

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.008 χ^2/NDF: 12.2/20

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

Right Out: -0.000+/-0.008 χ^2/NDF: 19.9/23

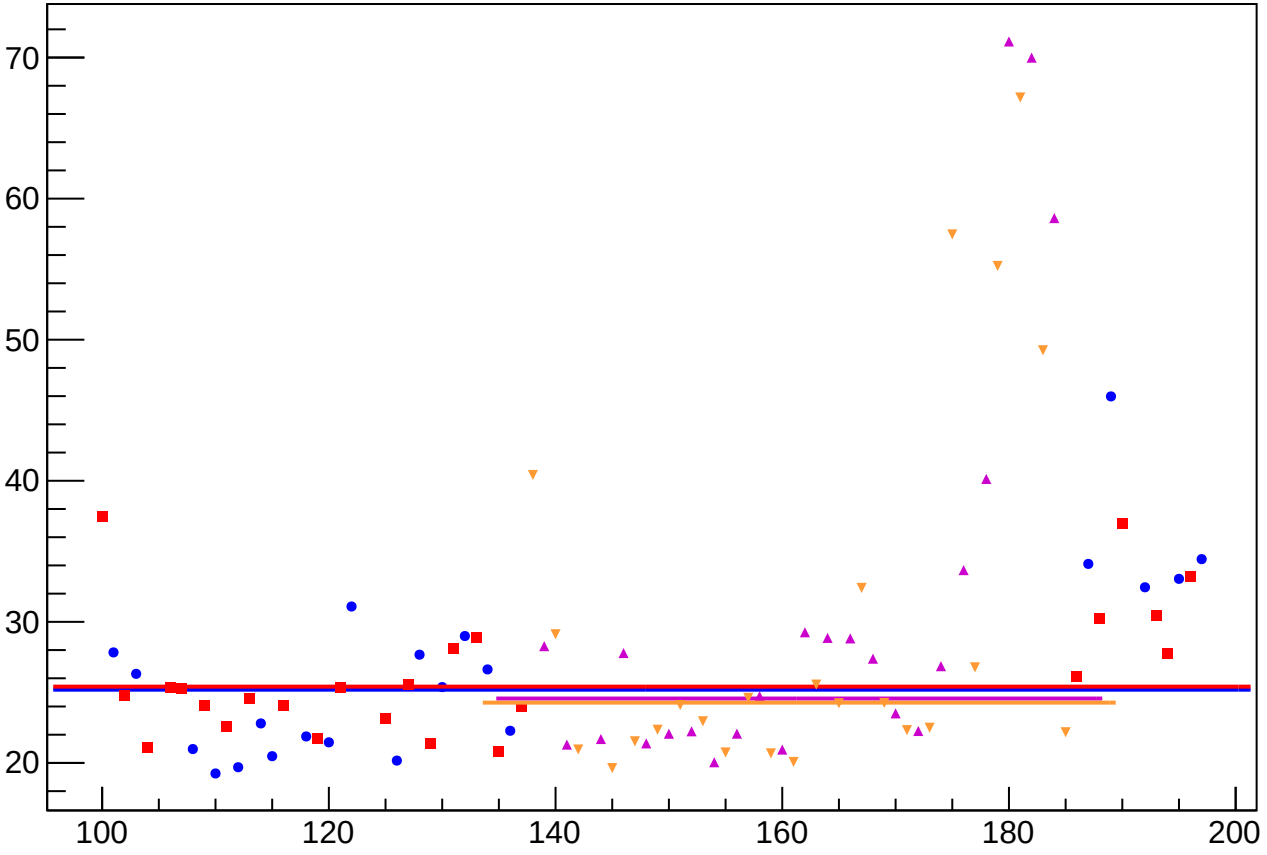
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 26.9/44

All: -0.002+/-0.004 χ^2/NDF: 83.4/91

- sign -0.003+/-0.005 χ^2/NDF: 56.5/46

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.194+/-0.006 χ^2/NDF: 822528.8/20

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

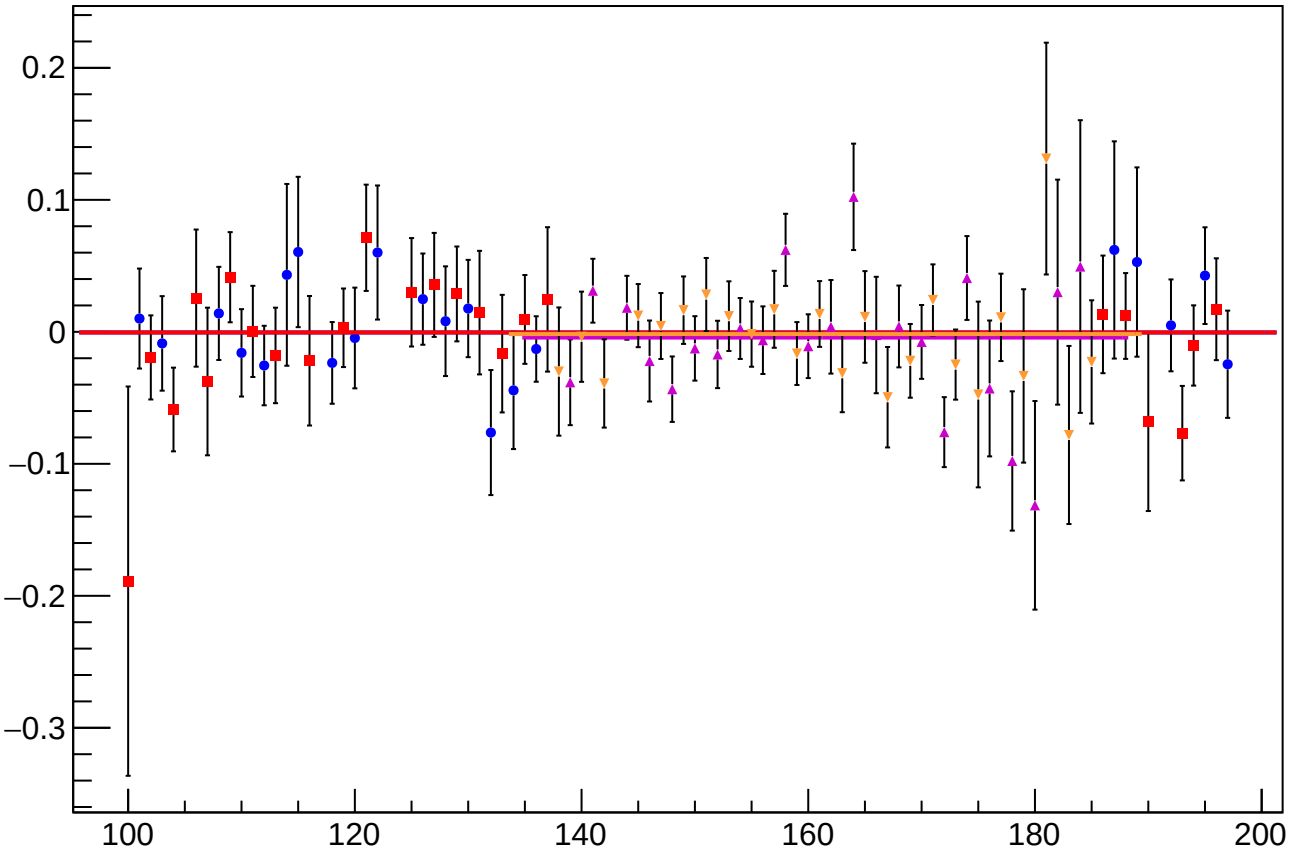
Right Out: 25.408+/-0.006 χ^2/NDF: 427581.9/23

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

+ sign 24.608+/-0.004 χ^2/NDF: 3148470.8/44

All: 24.754+/-0.003 χ^2/NDF: 5725838.5/91

- sign 24.894+/-0.004 χ^2/NDF: 2574122.6/46



Right In: -0.000+/-0.008 χ^2/NDF: 12.2/20

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

Right Out: -0.000+/-0.008 χ^2/NDF: 19.9/23

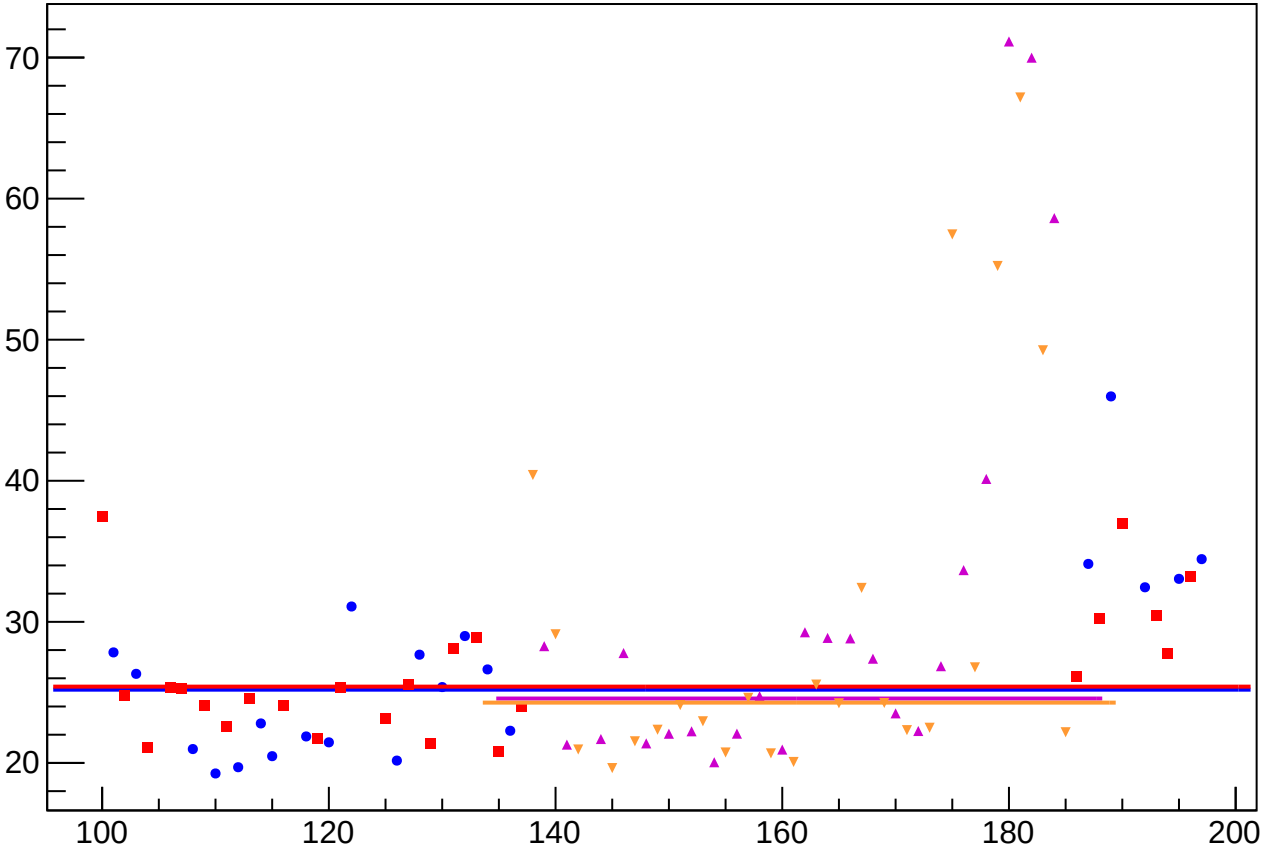
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 26.9/44

All: -0.002+/-0.004 χ^2/NDF: 83.4/91

- sign -0.003+/-0.005 χ^2/NDF: 56.5/46

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.194+/-0.006 χ^2/NDF: 822528.8/20

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

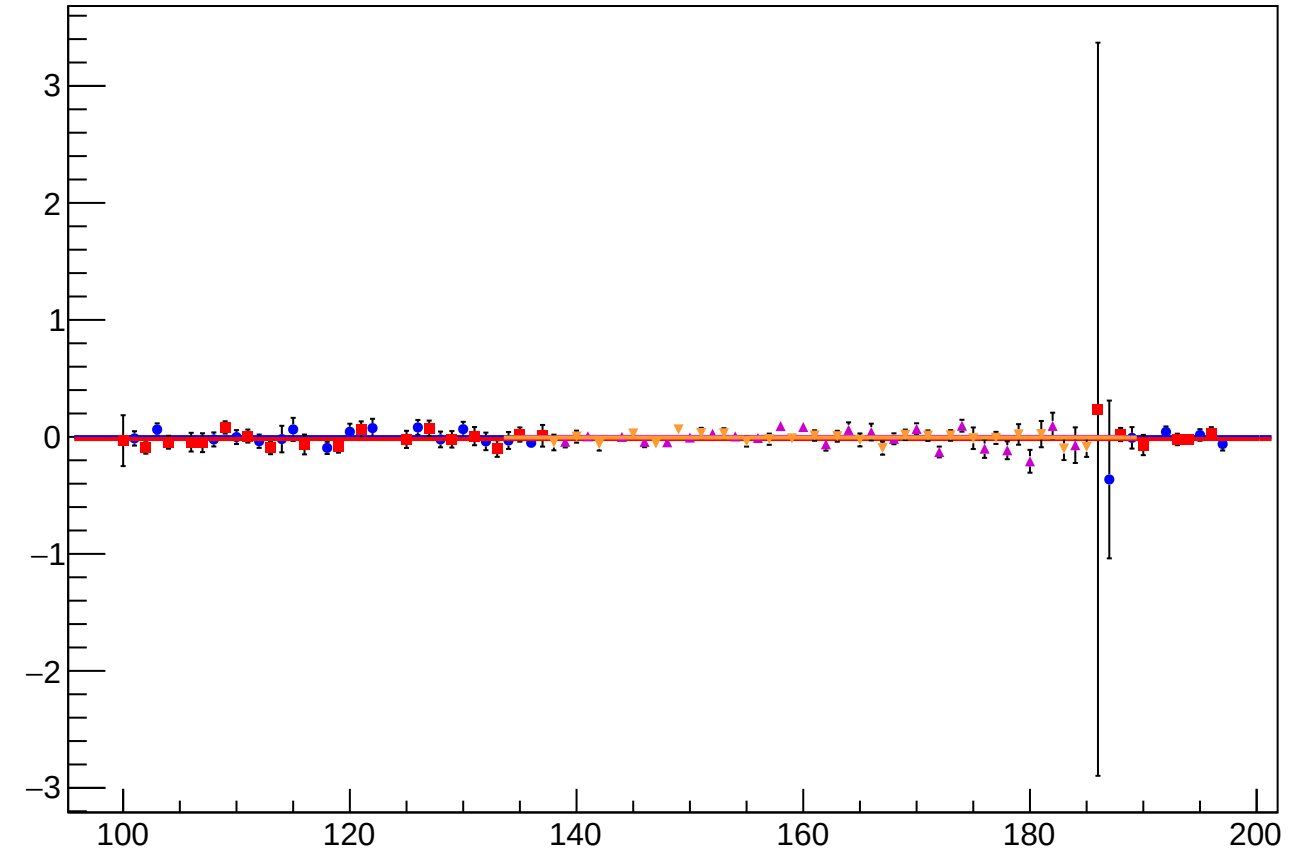
Right Out: 25.408+/-0.006 χ^2/NDF: 427581.9/23

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

+ sign 24.608+/-0.004 χ^2/NDF: 3148470.8/44

All: 24.754+/-0.003 χ^2/NDF: 5725838.5/91

- sign 24.894+/-0.004 χ^2/NDF: 2574122.6/46



Right In: -0.002+/-0.014 χ^2/NDF: 14.1/20

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

Right Out: -0.018+/-0.013 χ^2/NDF: 17.3/23

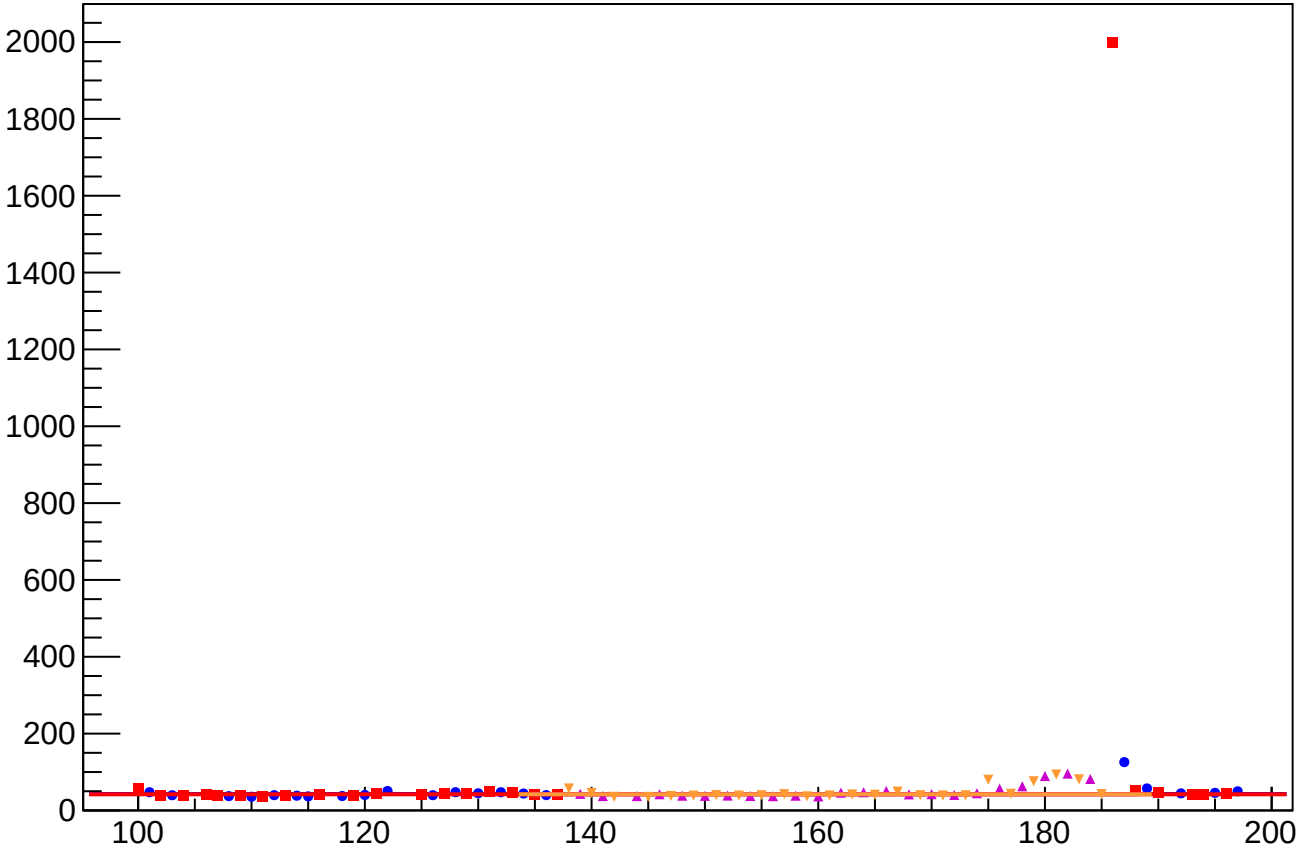
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.004+/-0.008 χ^2/NDF: 28.0/44

All: -0.006+/-0.006 χ^2/NDF: 84.6/91

- sign -0.007+/-0.008 χ^2/NDF: 56.5/46

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.767+/-0.010 χ^2/NDF: 276007.9/20

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

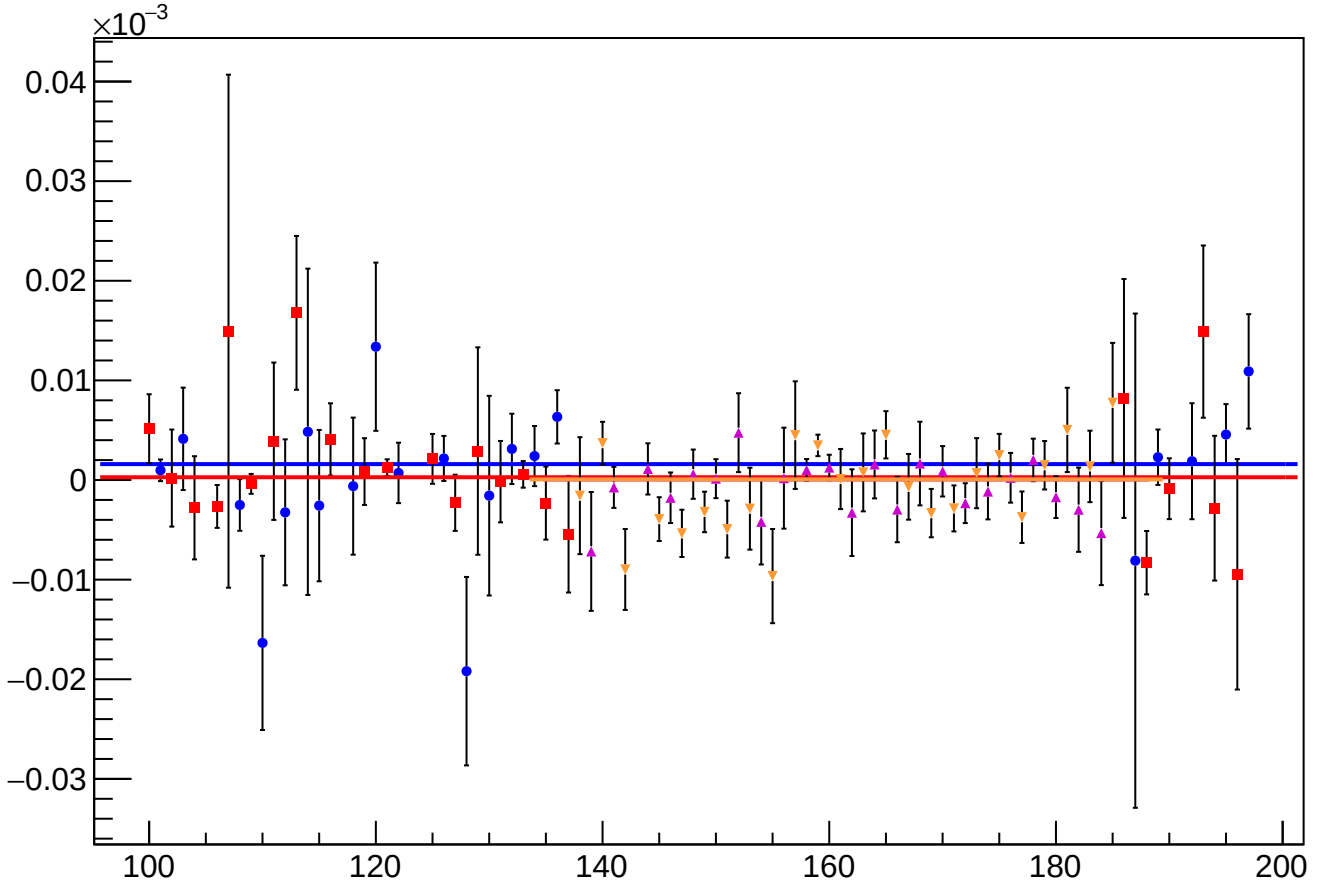
Right Out: 42.069+/-0.009 χ^2/NDF: 956545.3/23

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

+ sign 42.337+/-0.006 χ^2/NDF: 1995182.9/44

All: 42.203+/-0.004 χ^2/NDF: 4496263.2/91

- sign 42.074+/-0.006 χ^2/NDF: 2500051.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/23

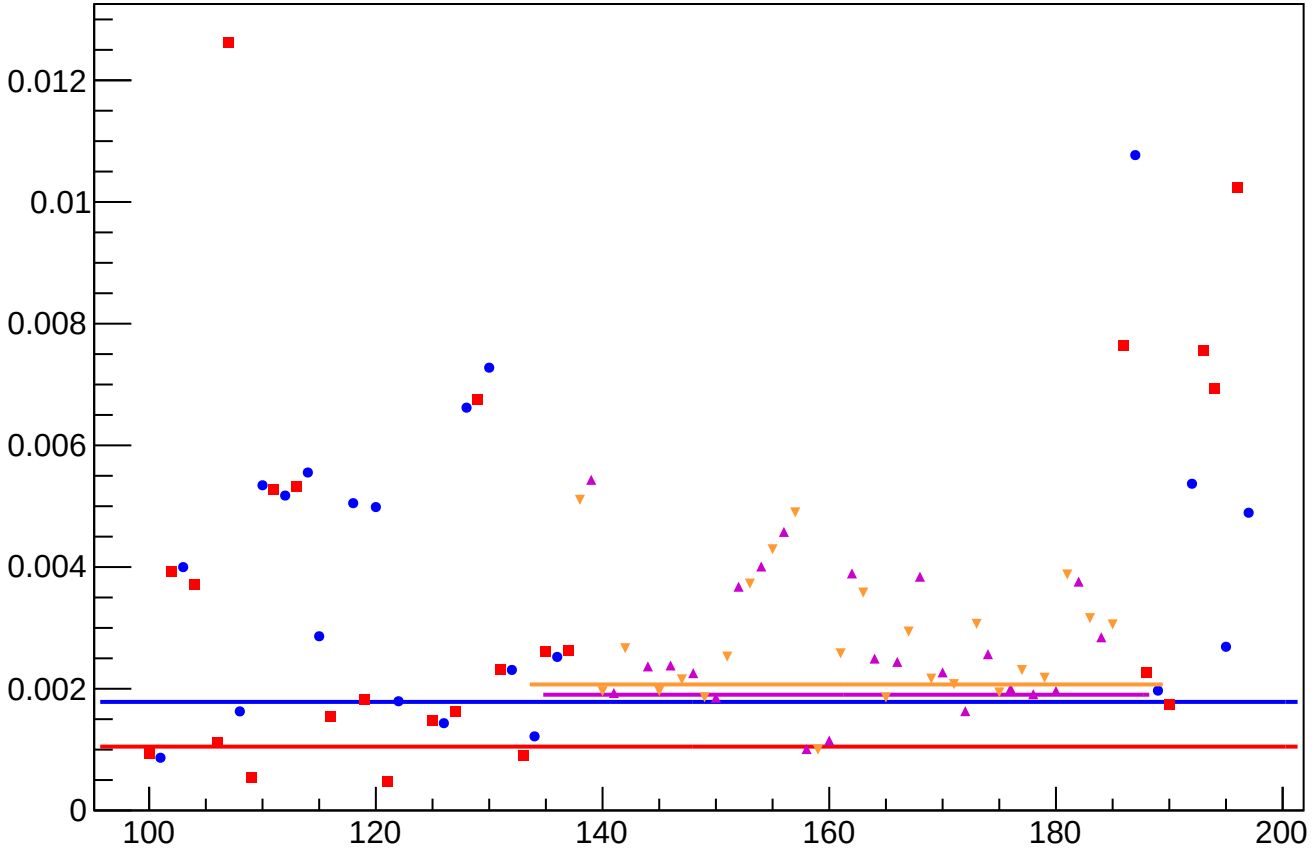
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.2/44

All: 0.000+/-0.000 χ^2/NDF: 117.7/91

- sign 0.000+/-0.000 χ^2/NDF: 39.9/46

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6680885.0/20

Left Out: 0.002+/-0.000 χ^2/NDF:5263163.7/23

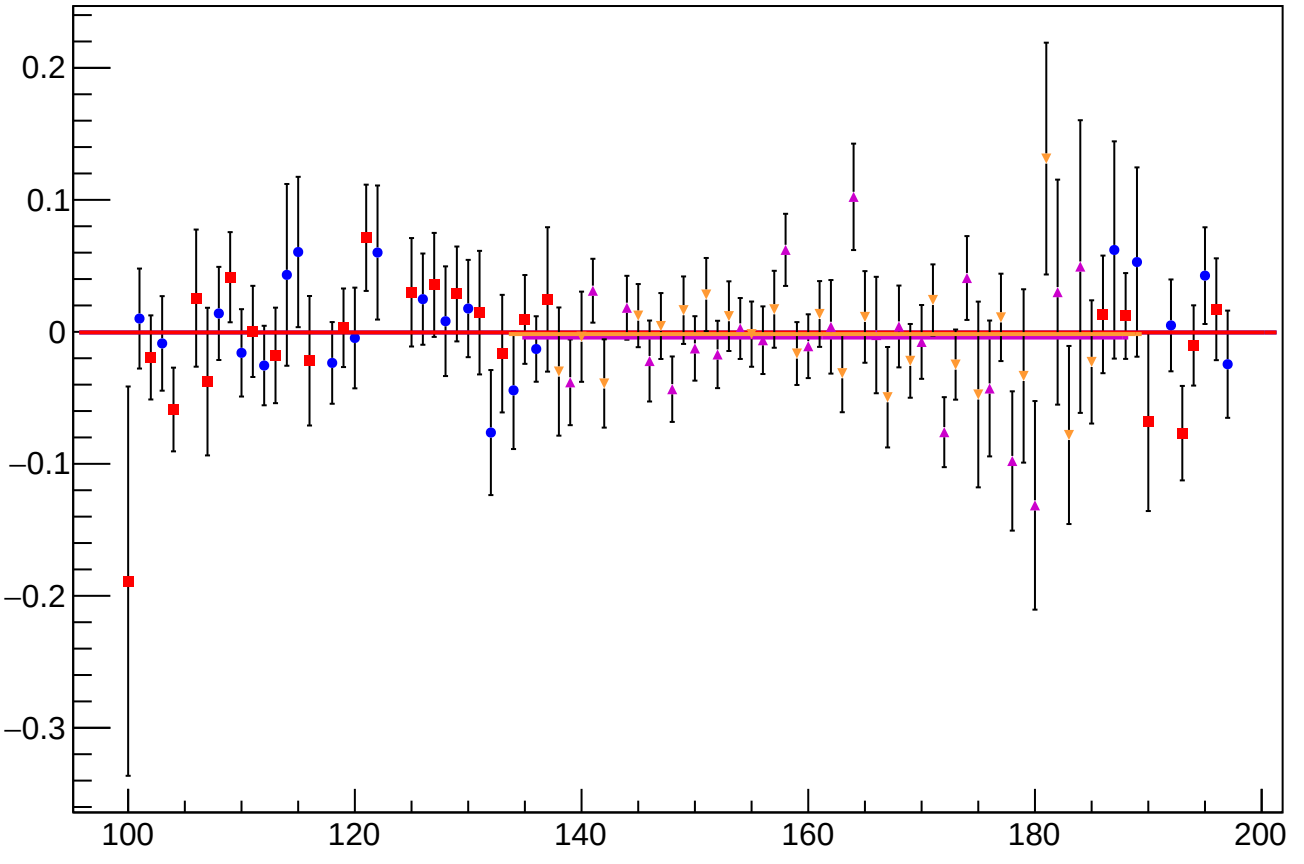
Right Out: 0.001+/-0.000 χ^2/NDF: 10616965.3/23

Left In: 0.002+/-0.000 χ^2/NDF:5935945.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12161244.5/44

All: 0.002+/-0.000 χ^2/NDF: 33476689.0/91

- sign 0.001+/-0.000 χ^2/NDF: 19609370.1/46



Right In: -0.000+/-0.008 χ^2/NDF: 12.2/20

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

Right Out: -0.000+/-0.008 χ^2/NDF: 19.9/23

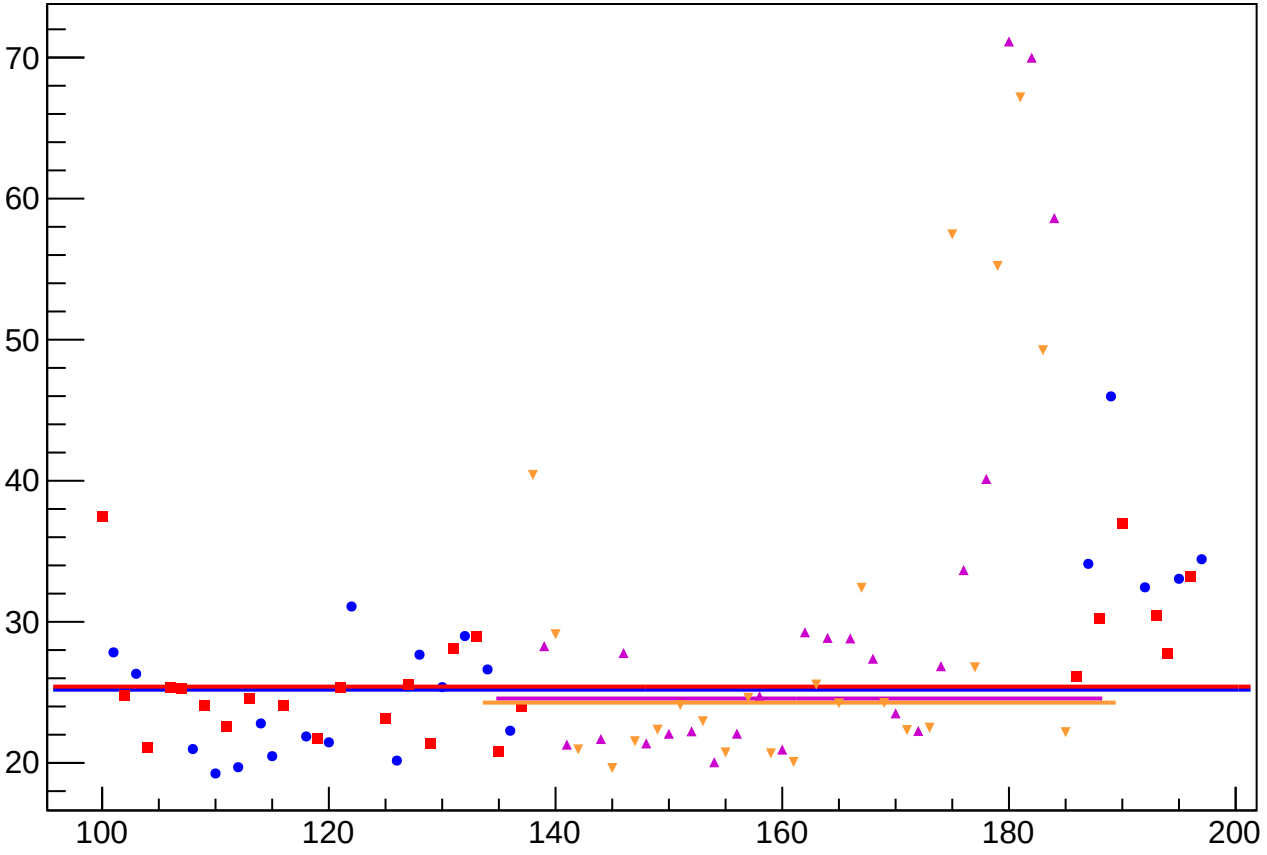
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.005 χ^2/NDF: 26.9/44

All: -0.002+/-0.004 χ^2/NDF: 83.4/91

- sign -0.003+/-0.005 χ^2/NDF: 56.5/46

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.193+/-0.006 χ^2/NDF: 822439.7/20

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

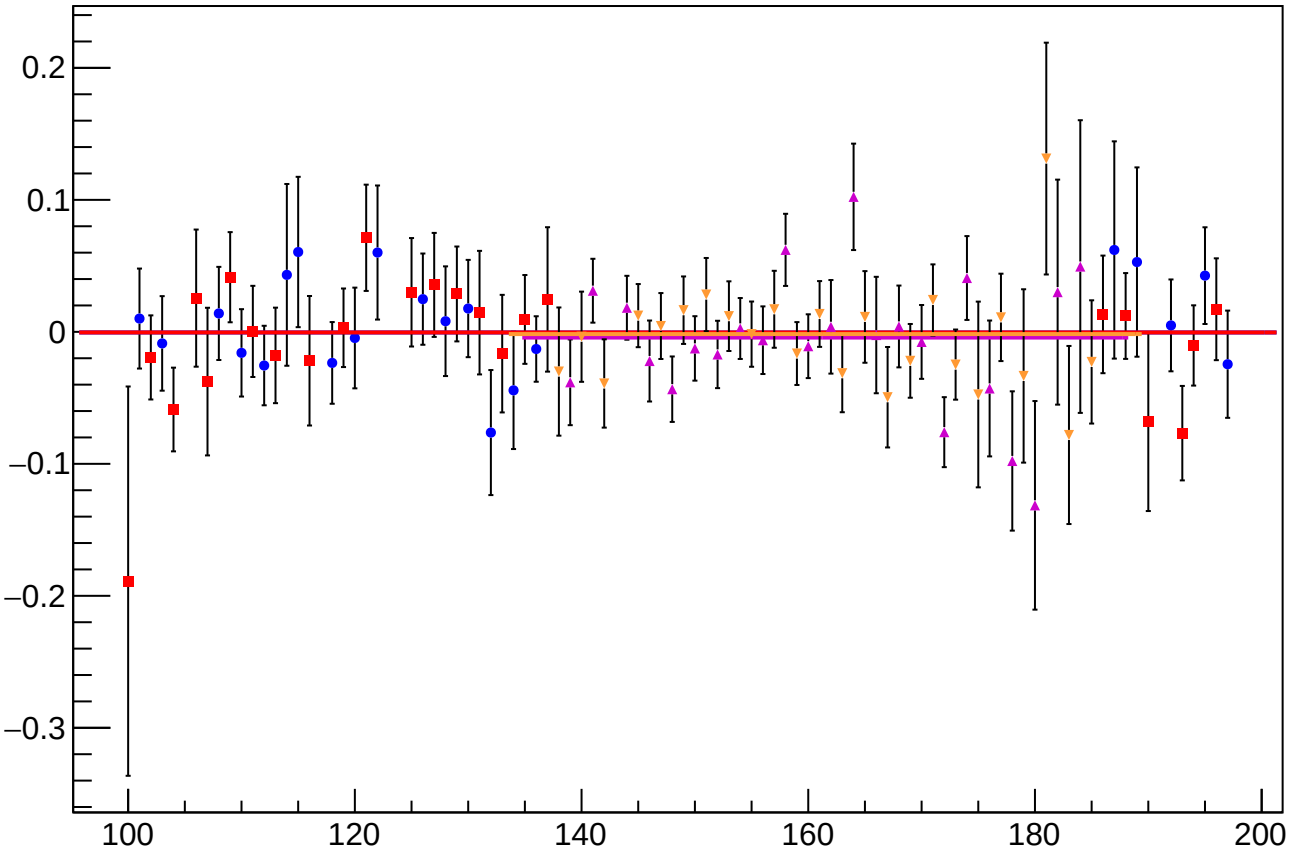
Right Out: 25.408+/-0.006 χ^2/NDF: 427511.0/23

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

+ sign 24.608+/-0.004 χ^2/NDF: 3148357.8/44

All: 24.754+/-0.003 χ^2/NDF: 5725524.3/91

- sign 24.895+/-0.004 χ^2/NDF: 2573910.3/46



Right In: -0.000+/-0.008 χ^2/NDF: 12.2/20

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

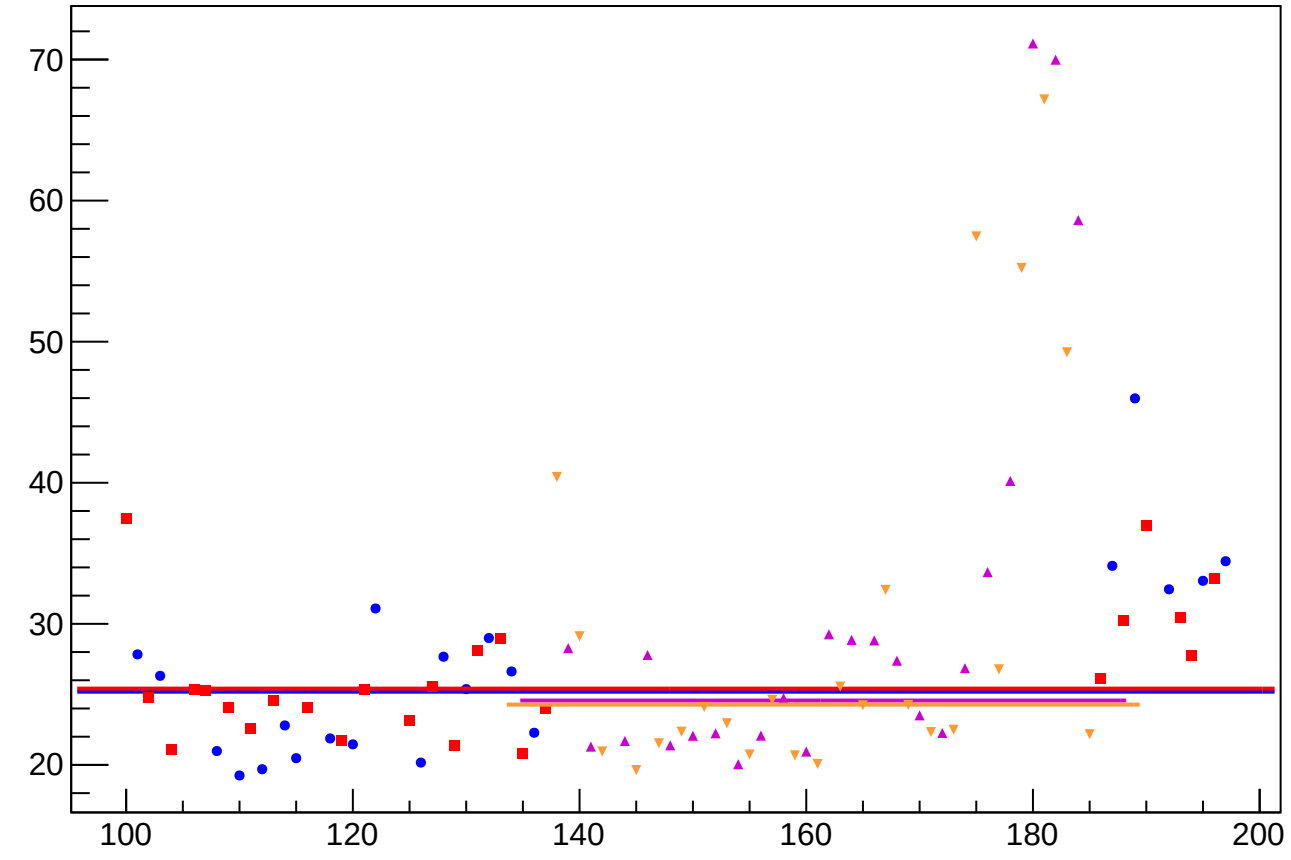
Right Out: -0.000+/-0.008 χ^2/NDF: 19.9/23

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

+ sign -0.001+/-0.005 χ^2/NDF: 26.9/44

All: -0.002+/-0.004 χ^2/NDF: 83.4/91

- sign -0.003+/-0.005 χ^2/NDF: 56.5/46



Right In: 25.193+/-0.006 χ^2/NDF: 822439.7/20

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

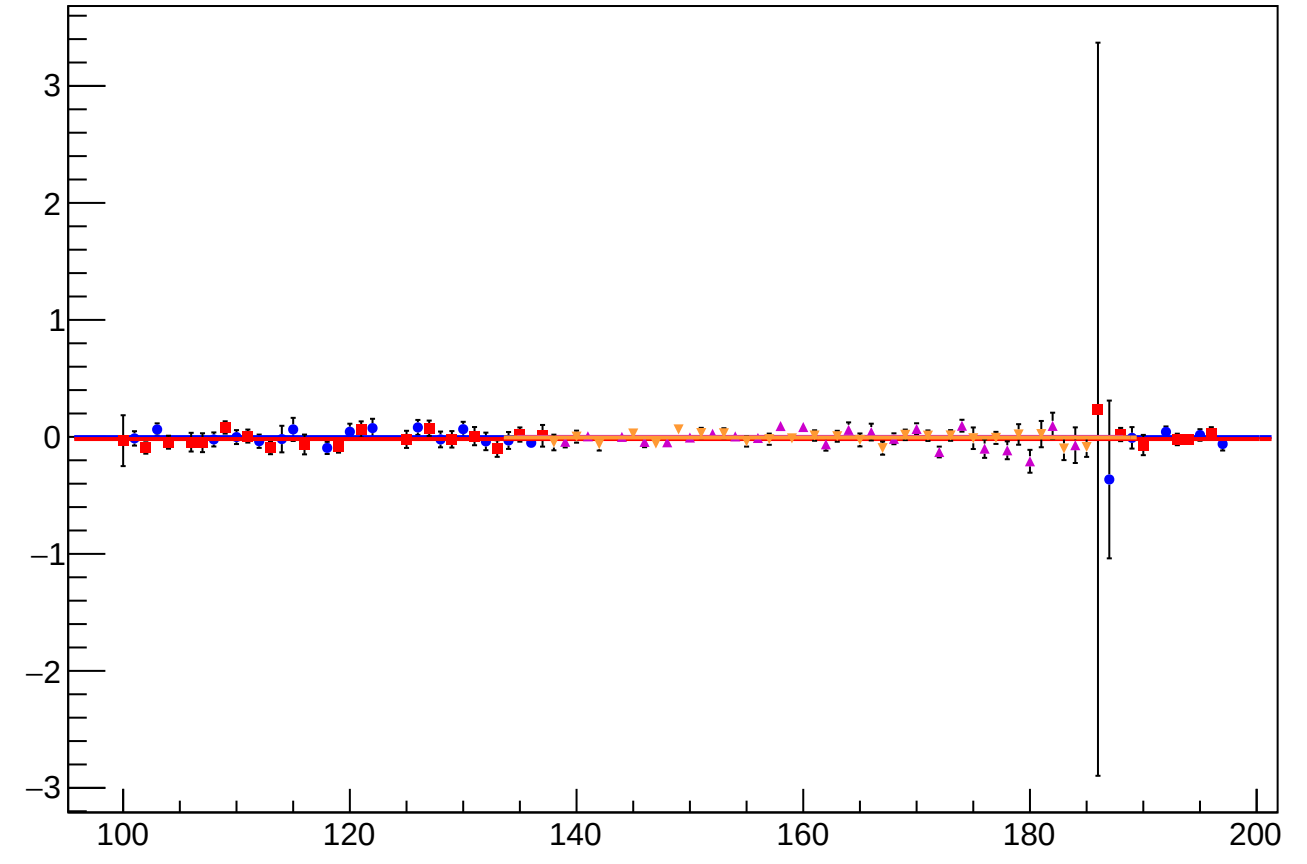
Right Out: 25.408+/-0.006 χ^2/NDF: 427511.0/23

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

+ sign 24.608+/-0.004 χ^2/NDF: 3148357.8/44

All: 24.754+/-0.003 χ^2/NDF: 5725524.3/91

- sign 24.895+/-0.004 χ^2/NDF: 2573910.3/46



Right In: -0.002+/-0.014 χ^2/NDF: 14.1/20

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

Right Out: -0.018+/-0.013 χ^2/NDF: 17.3/23

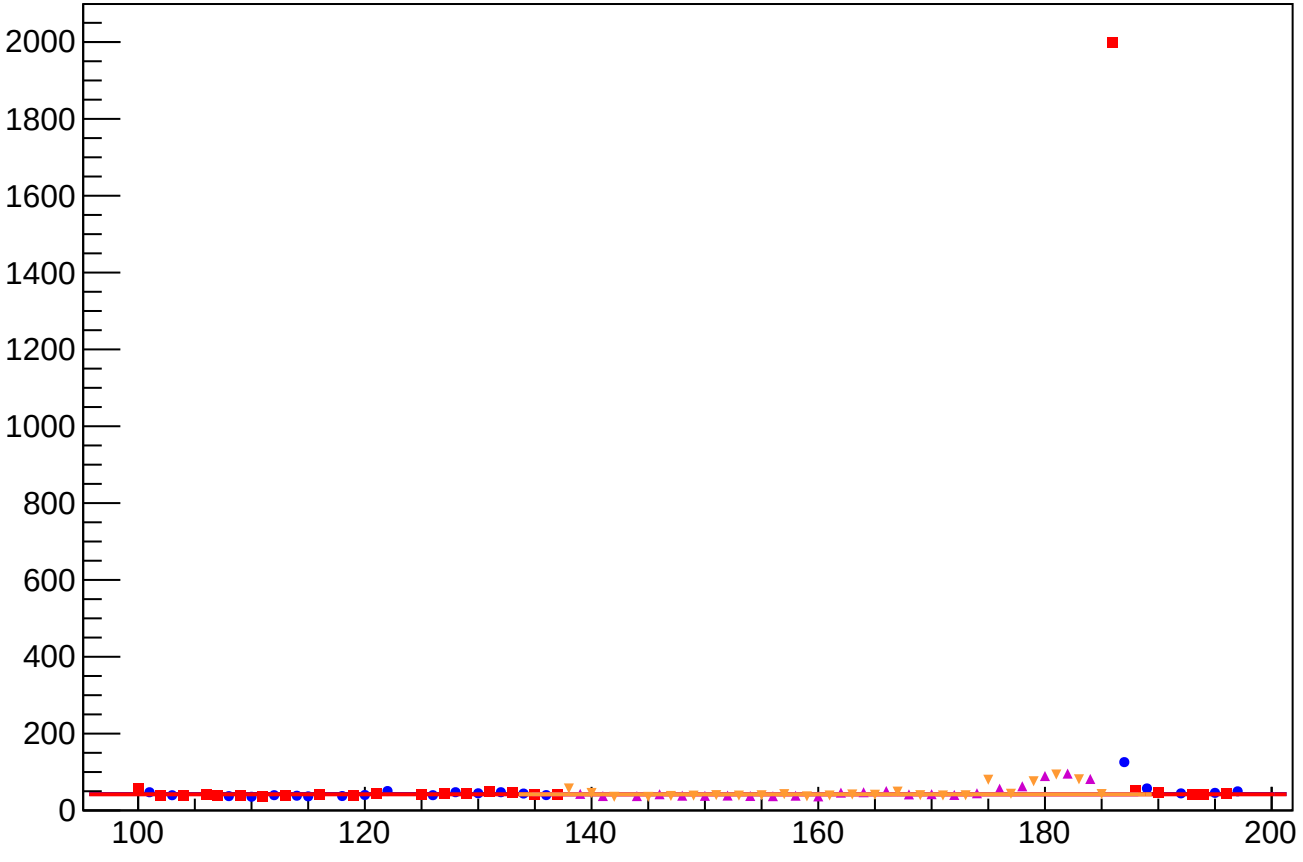
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.004+/-0.008 χ^2/NDF: 28.0/44

All: -0.006+/-0.006 χ^2/NDF: 84.6/91

- sign -0.007+/-0.008 χ^2/NDF: 56.5/46

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.767+/-0.010 χ^2/NDF: 275972.7/20

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

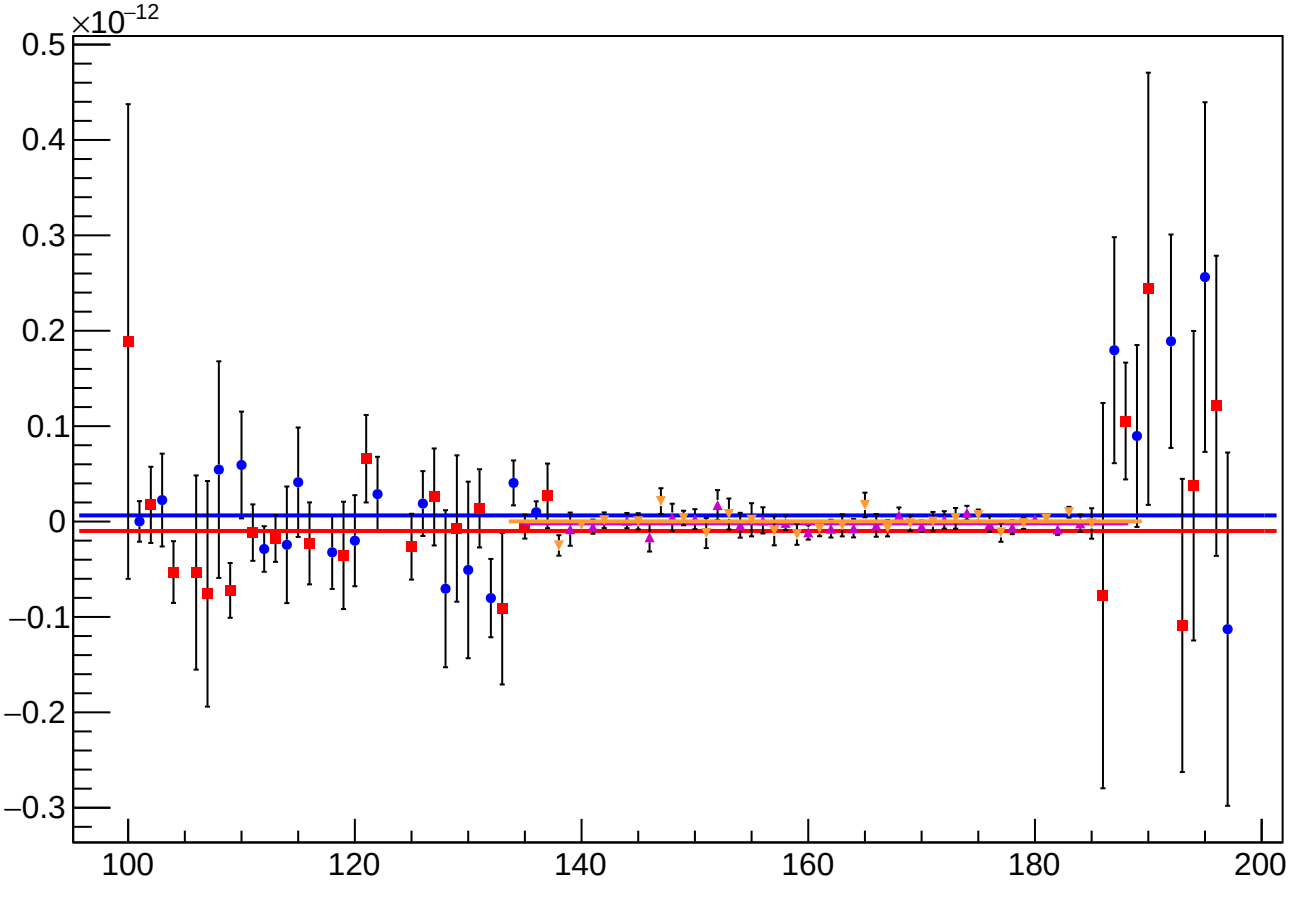
Right Out: 42.069+/-0.009 χ^2/NDF: 956541.6/23

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

+ sign 42.337+/-0.006 χ^2/NDF: 1995134.1/44

All: 42.203+/-0.004 χ^2/NDF: 4496184.9/91

- sign 42.074+/-0.006 χ^2/NDF: 2500023.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/20

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

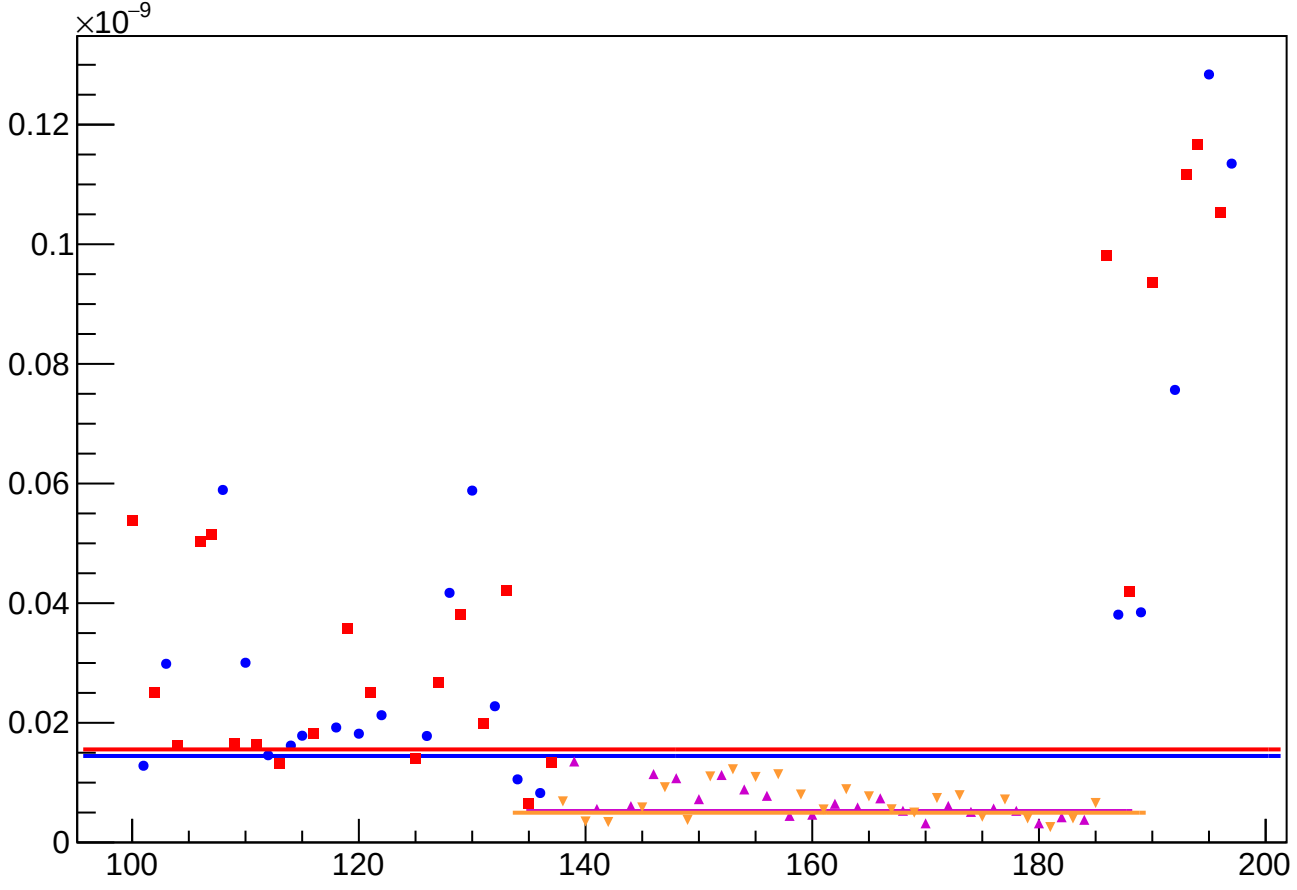
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/23

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

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/44

All: -0.000+/-0.000 χ^2/NDF: 78.4/91

- sign -0.000+/-0.000 χ^2/NDF: 33.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 4365164.5/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5684332.0/23

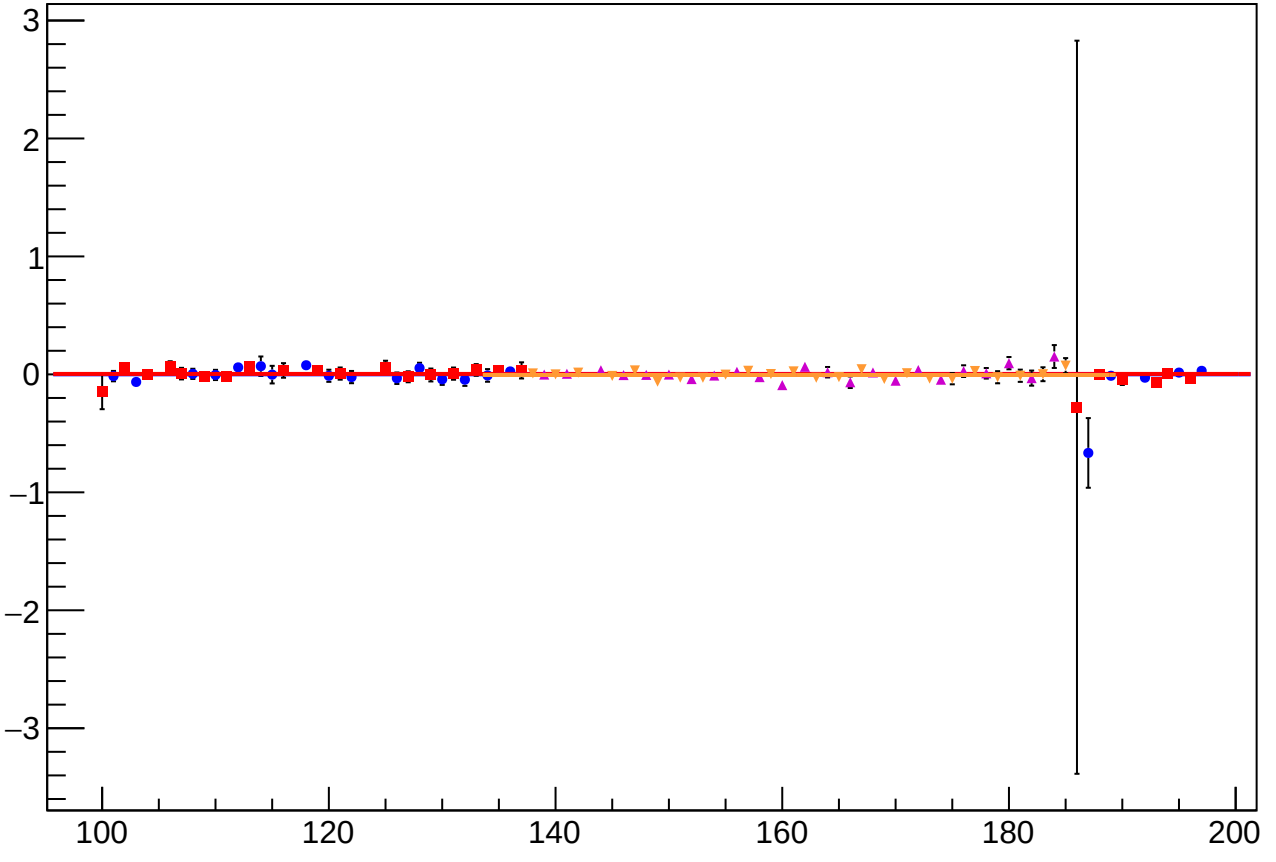
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11098314.3/44

All: 0.000+/-0.000 χ^2/NDF: 22851918.8/91

- sign 0.000+/-0.000 χ^2/NDF: 11719196.2/46

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.009 χ^2/NDF: 22.9/20

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

Right Out: 0.004+/-0.008 χ^2/NDF: 20.9/23

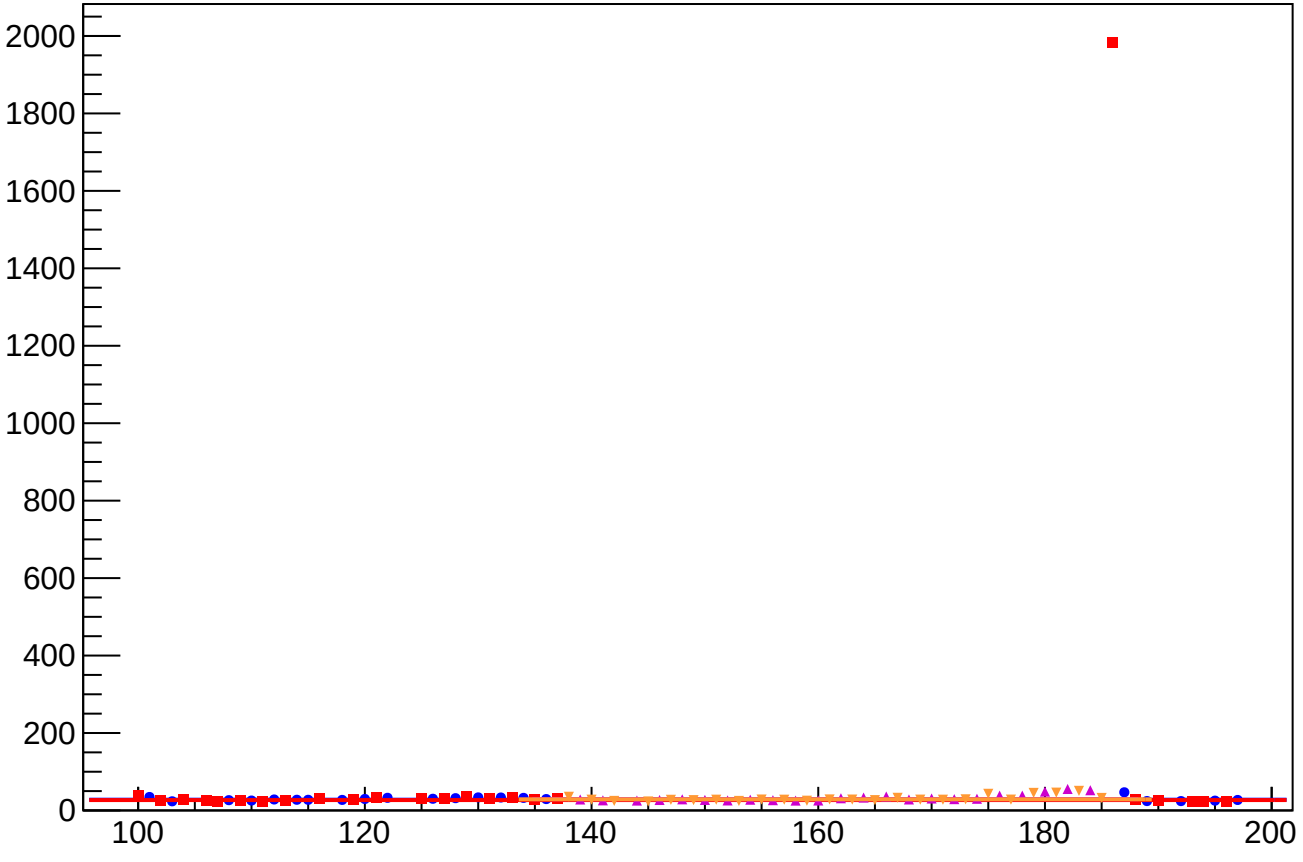
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.003+/-0.006 χ^2/NDF: 39.9/44

All: -0.002+/-0.004 χ^2/NDF: 92.6/91

- sign -0.001+/-0.005 χ^2/NDF: 52.6/46

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 27.746+/-0.006 χ^2/NDF: 285389.0/20

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

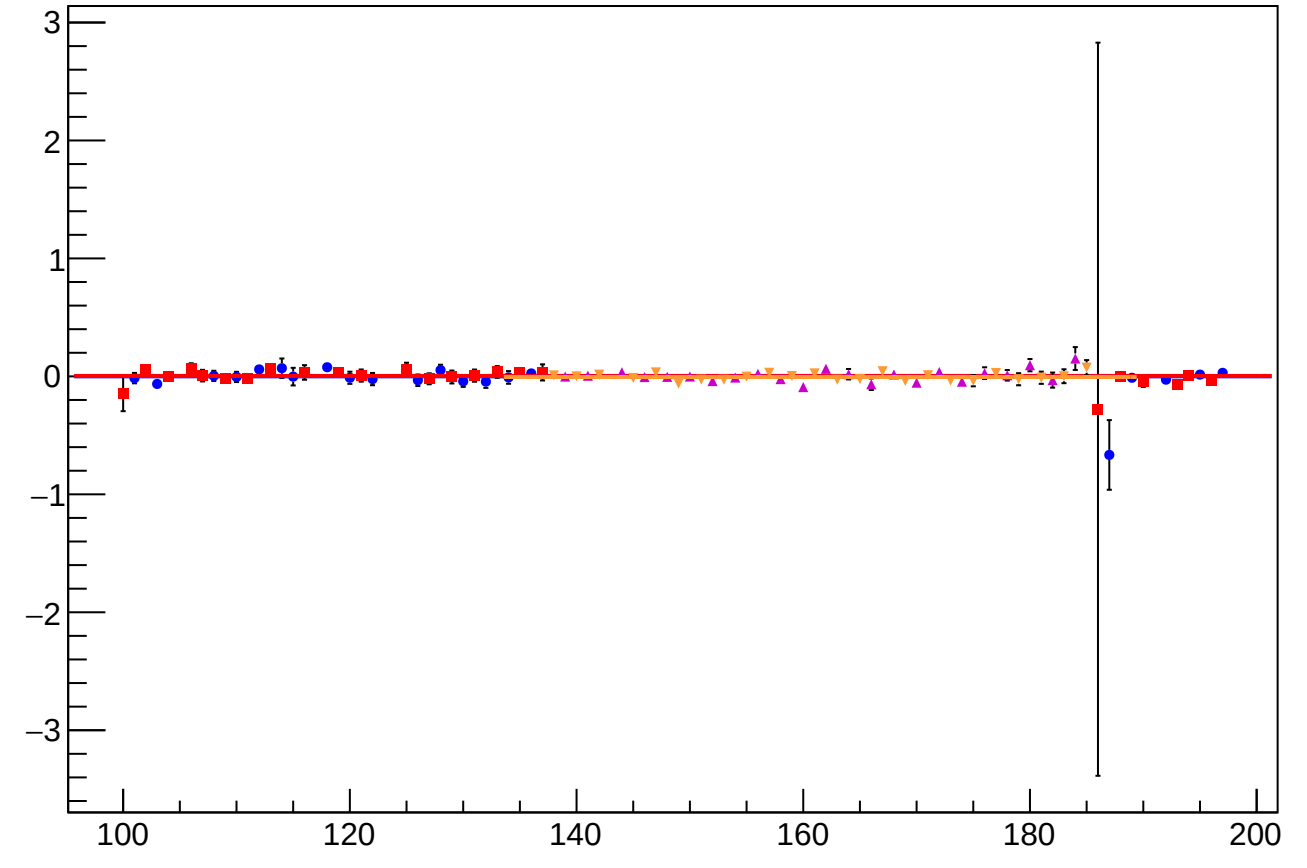
Right Out: 26.827+/-0.006 χ^2/NDF: 1078359.9/23

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

+ sign 28.384+/-0.004 χ^2/NDF: 1472501.2/44

All: 28.310+/-0.003 χ^2/NDF: 3787709.4/91

- sign 28.238+/-0.004 χ^2/NDF: 2314504.8/46



Right In: 0.000+/-0.009 χ^2/NDF: 22.9/20

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

Right Out: 0.004+/-0.008 χ^2/NDF: 20.9/23

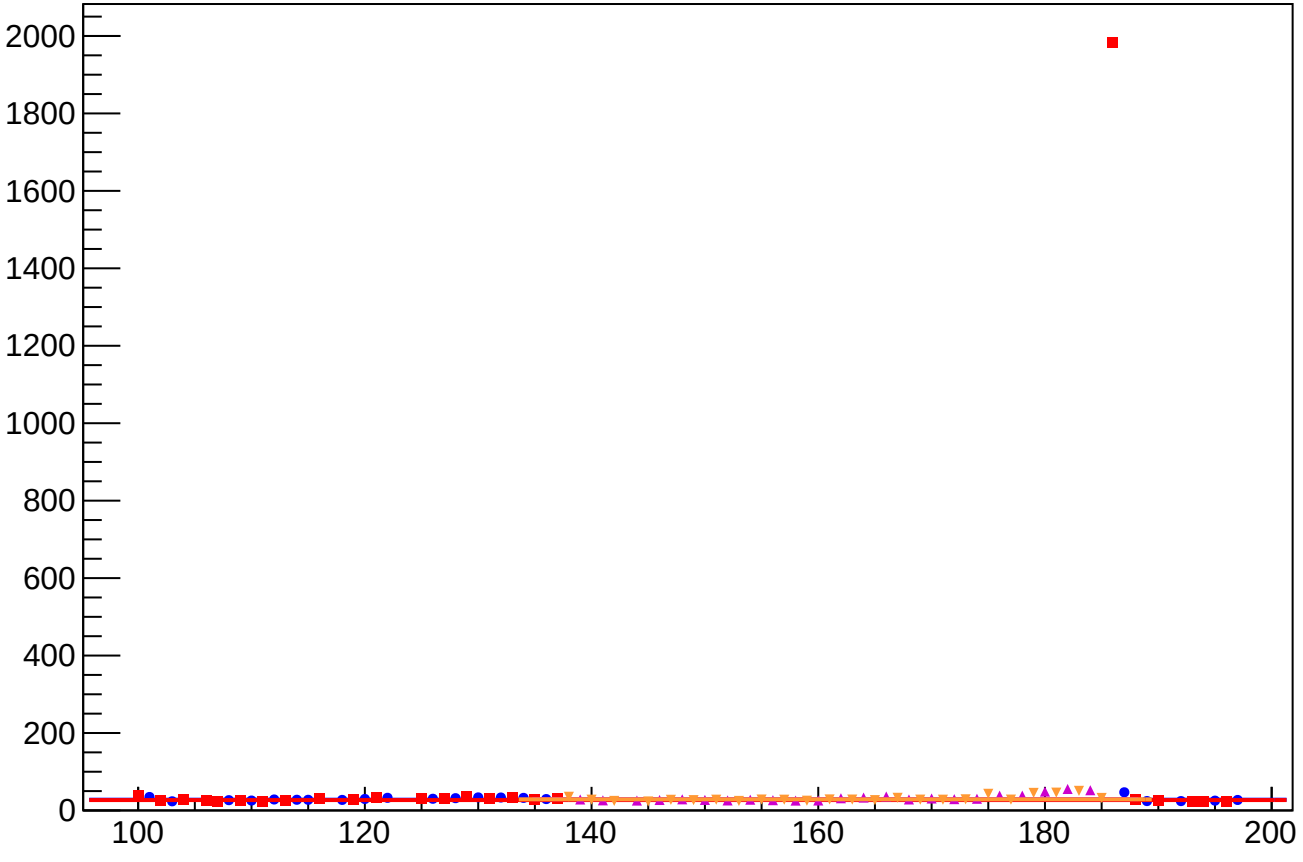
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.003+/-0.006 χ^2/NDF: 39.9/44

All: -0.002+/-0.004 χ^2/NDF: 92.6/91

- sign -0.001+/-0.005 χ^2/NDF: 52.6/46

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 27.746+/-0.006 χ^2/NDF: 285389.0/20

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

Right Out: 26.827+/-0.006 χ^2/NDF: 1078359.9/23

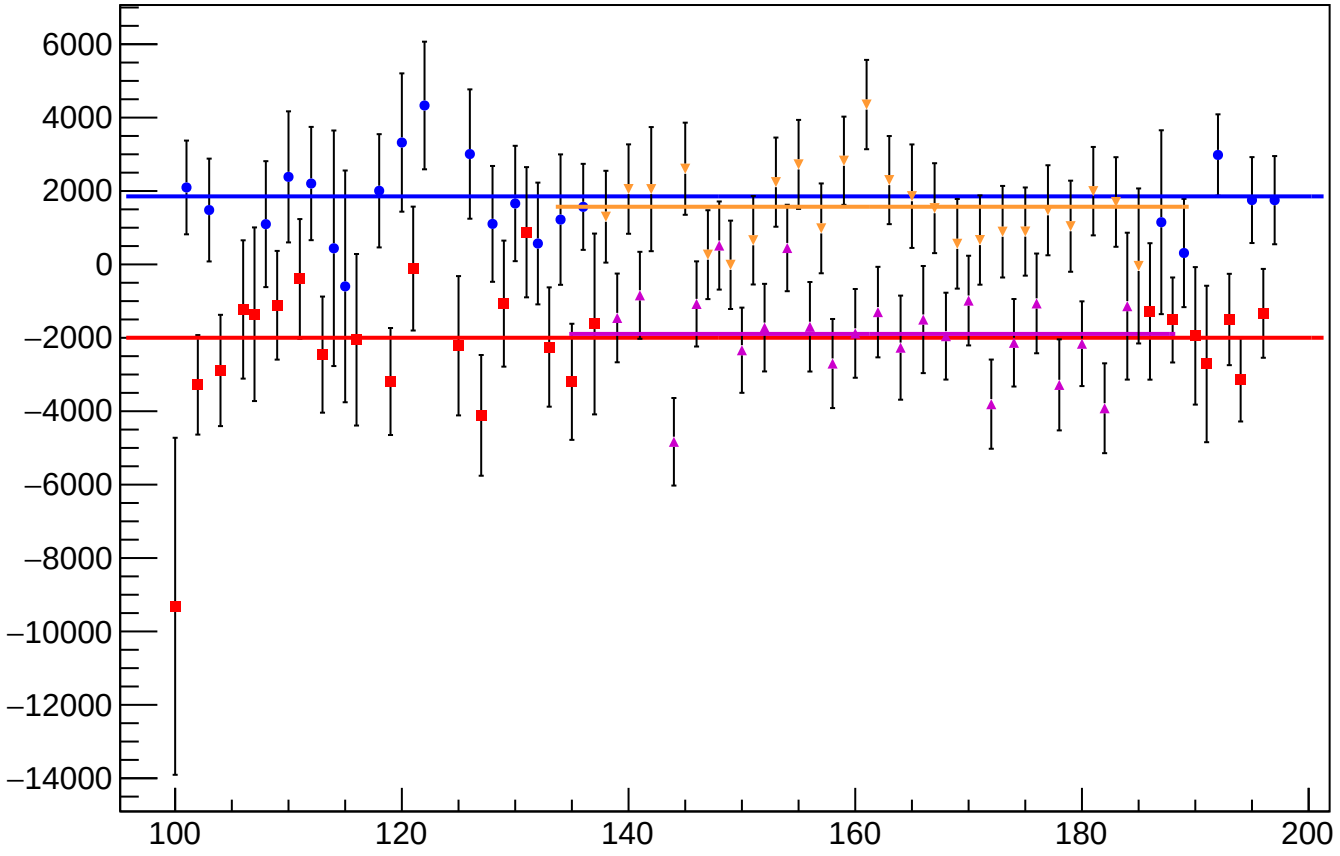
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.384+/-0.004 χ^2/NDF: 1472501.2/44

All: 28.310+/-0.003 χ^2/NDF: 3787709.4/91

- sign 28.238+/-0.004 χ^2/NDF: 2314504.8/46

reg_asym_usl_mean vs Slug



Right In: 1853.832+/-336.719 χ^2/NDF: 7.6/20

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

Right Out: -1998.301+/-322.510 χ^2/NDF: 14.5/24

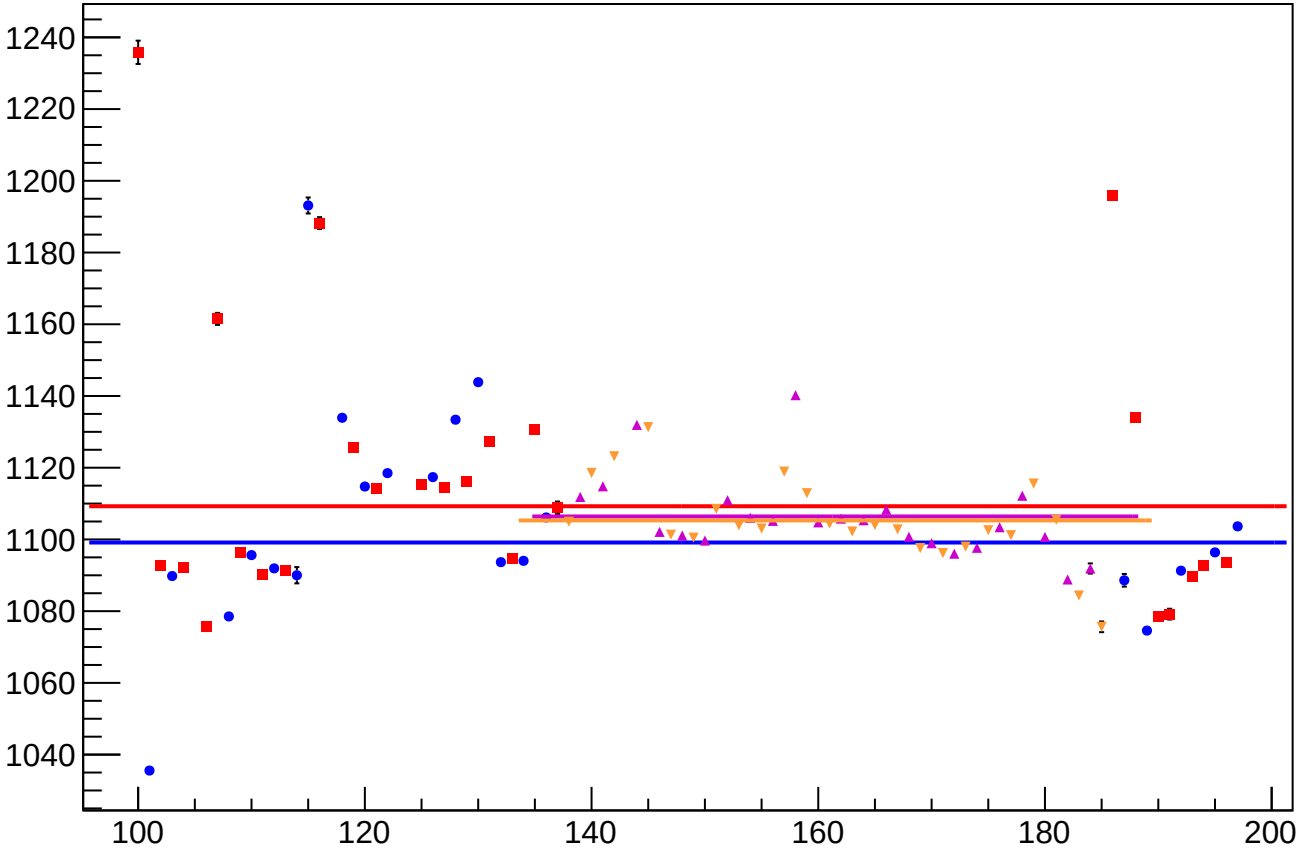
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1674.910+/-204.060 χ^2/NDF: 23.4/44

All: -151.368+/-143.425 χ^2/NDF: 220.3/92

- sign -1934.368+/-201.628 χ^2/NDF: 38.6/47

reg_asym_usl_rms vs Slug



Right In: 1099.142+/-0.238 χ^2/NDF: 12190.6/20

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

Right Out: 1109.257+/-0.228 χ^2/NDF: 15183.0/24

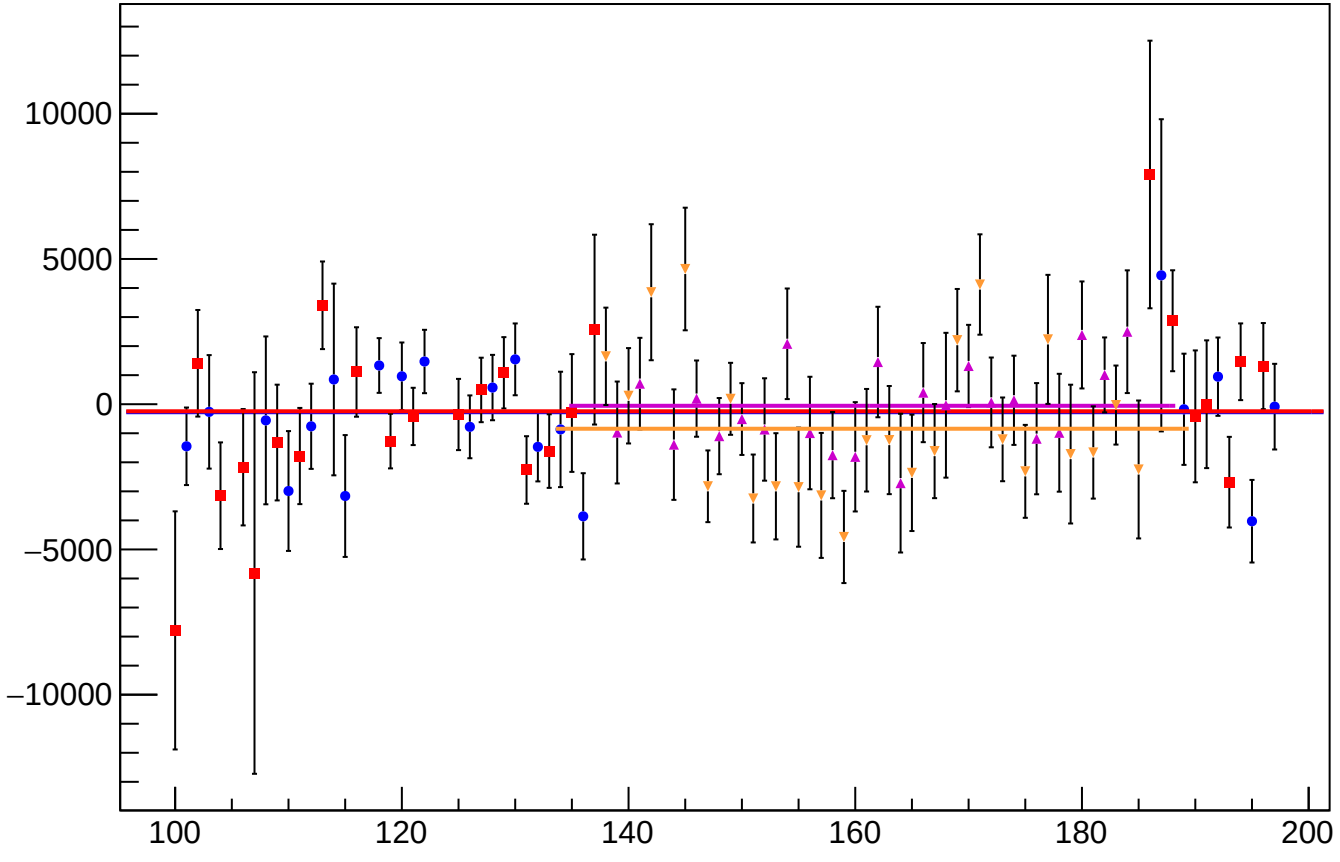
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1103.035+/-0.144 χ^2/NDF: 15774.8/44

All: 1105.304+/-0.101 χ^2/NDF: 35318.4/92

- sign 1107.520+/-0.143 χ^2/NDF: 19054.7/47

asym_usl_reg_correction_mean vs Slug



Right In: -275.806+/-313.228 χ^2/NDF: 29.7/20

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

Right Out: -243.322+/-306.897 χ^2/NDF: 35.4/24

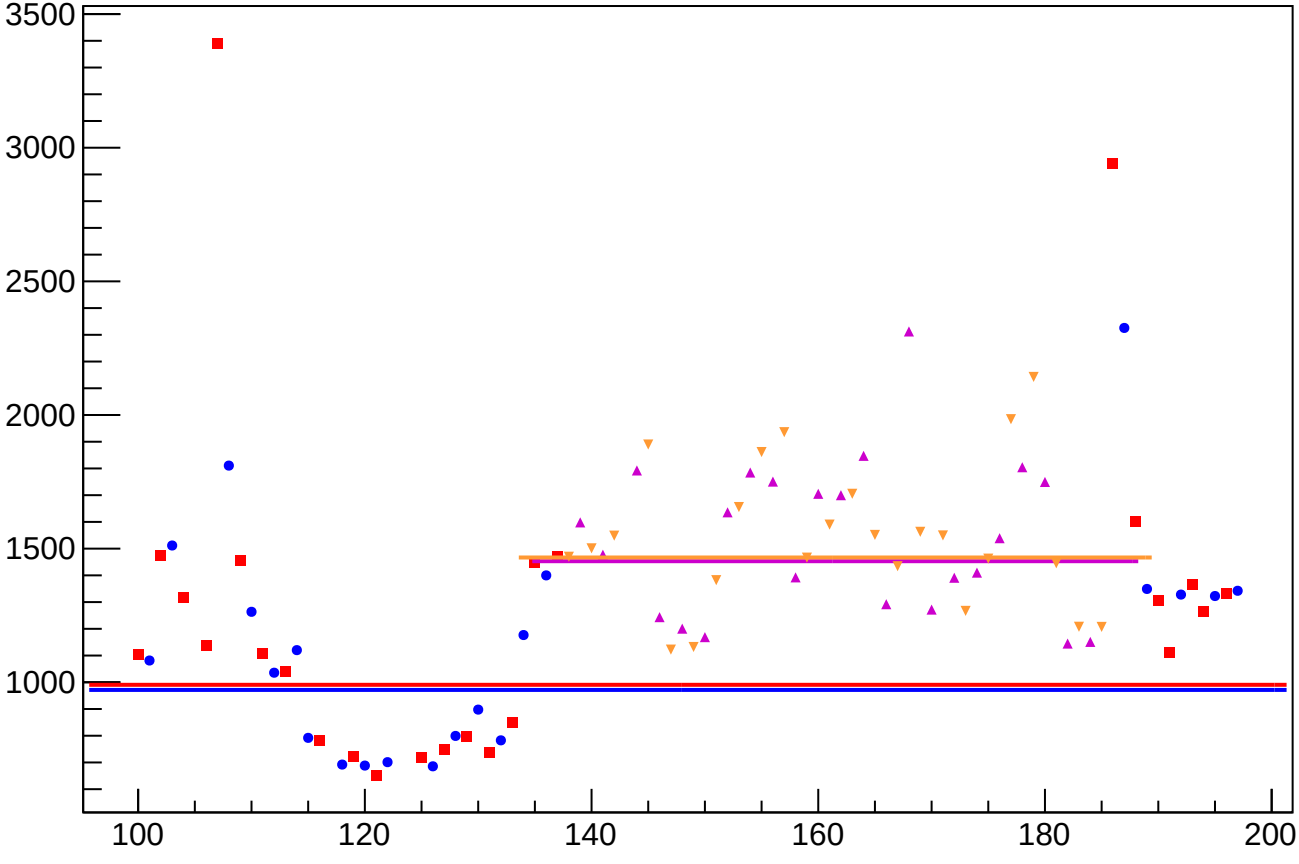
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -530.925+/-232.615 χ^2/NDF: 75.3/44

All: -343.081+/-163.401 χ^2/NDF: 125.2/92

- sign -160.102+/-229.583 χ^2/NDF: 48.6/47

asym_usl_reg_correction_rms vs Slug



Right In: 971.373+/-0.221 χ^2/NDF: 1840271.1/20

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

Right Out: 990.511+/-0.217 χ^2/NDF: 2476505.4/24

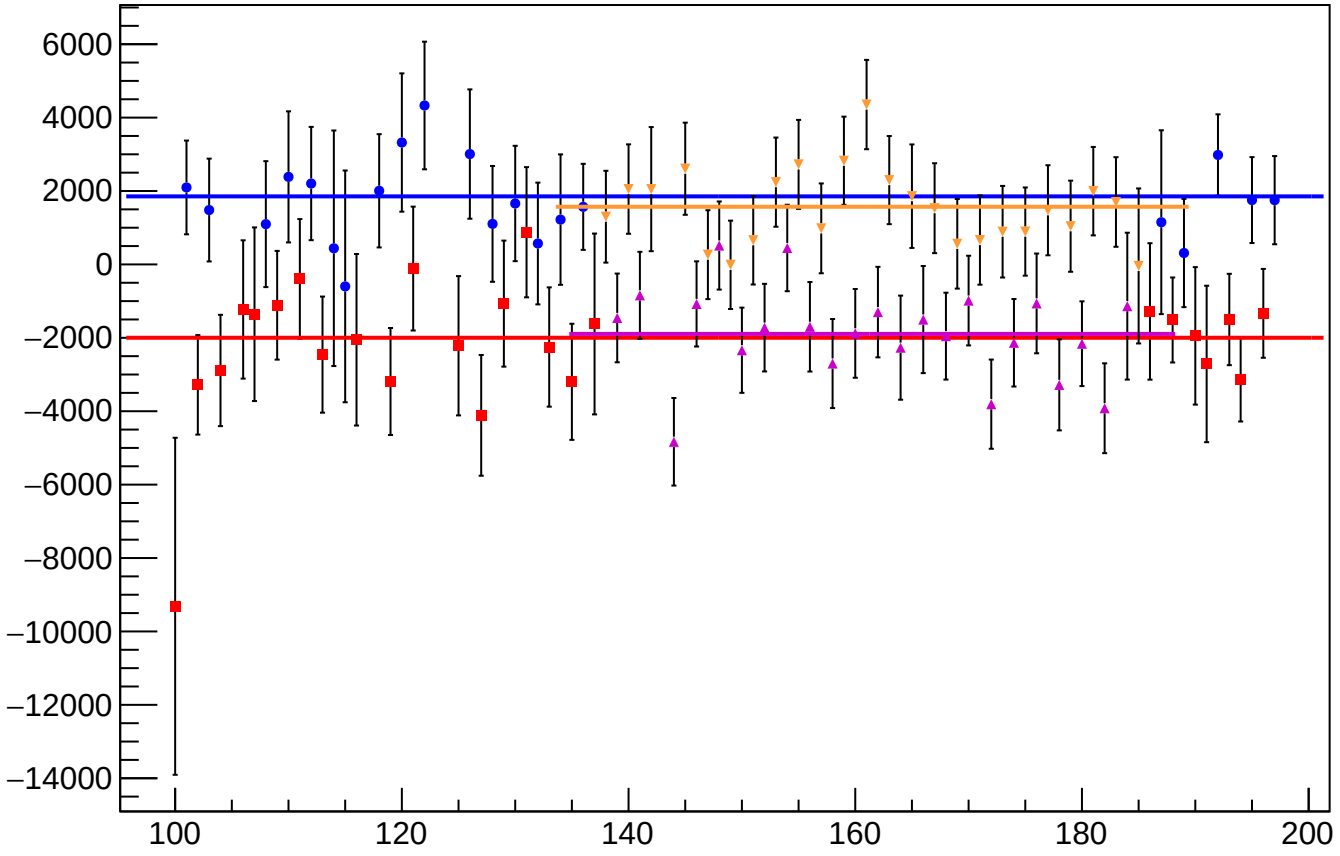
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1193.586+/-0.164 χ^2/NDF: 5127972.6/44

All: 1193.883+/-0.116 χ^2/NDF: 10734092.6/9

- sign 1194.173+/-0.162 χ^2/NDF: 5606113.5/47

cor_asym_usl_mean vs Slug



Right In: 1853.832+/-336.719 χ^2/NDF: 7.6/20

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

Right Out: -1998.289+/-322.510 χ^2/NDF: 14.5/24

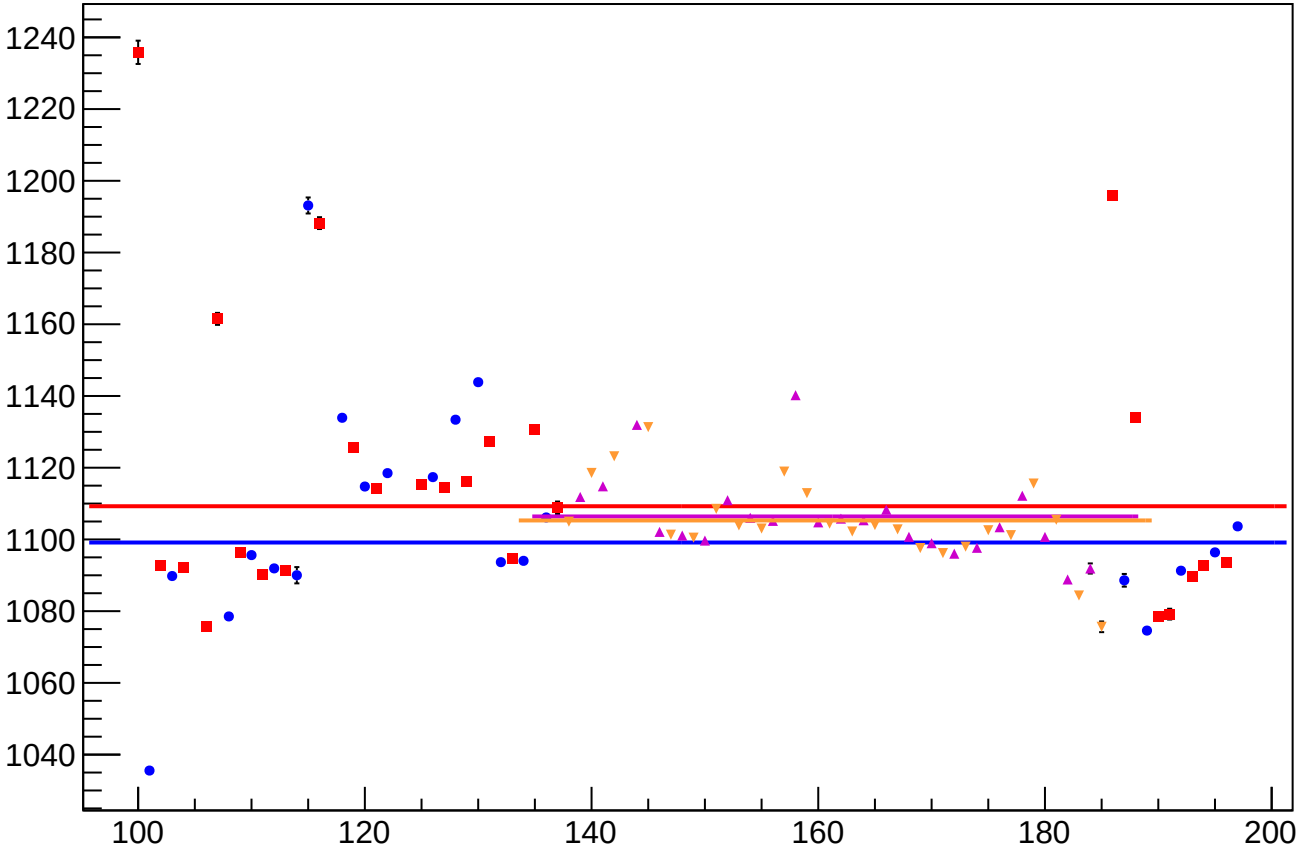
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1674.910+/-204.060 χ^2/NDF: 23.4/44

All: -151.366+/-143.425 χ^2/NDF: 220.3/92

- sign -1934.364+/-201.628 χ^2/NDF: 38.6/47

cor_asym_usl_rms vs Slug



Right In: 1099.142+/-0.238 χ^2/NDF: 12190.6/20

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

Right Out: 1109.257+/-0.228 χ^2/NDF: 15183.0/24

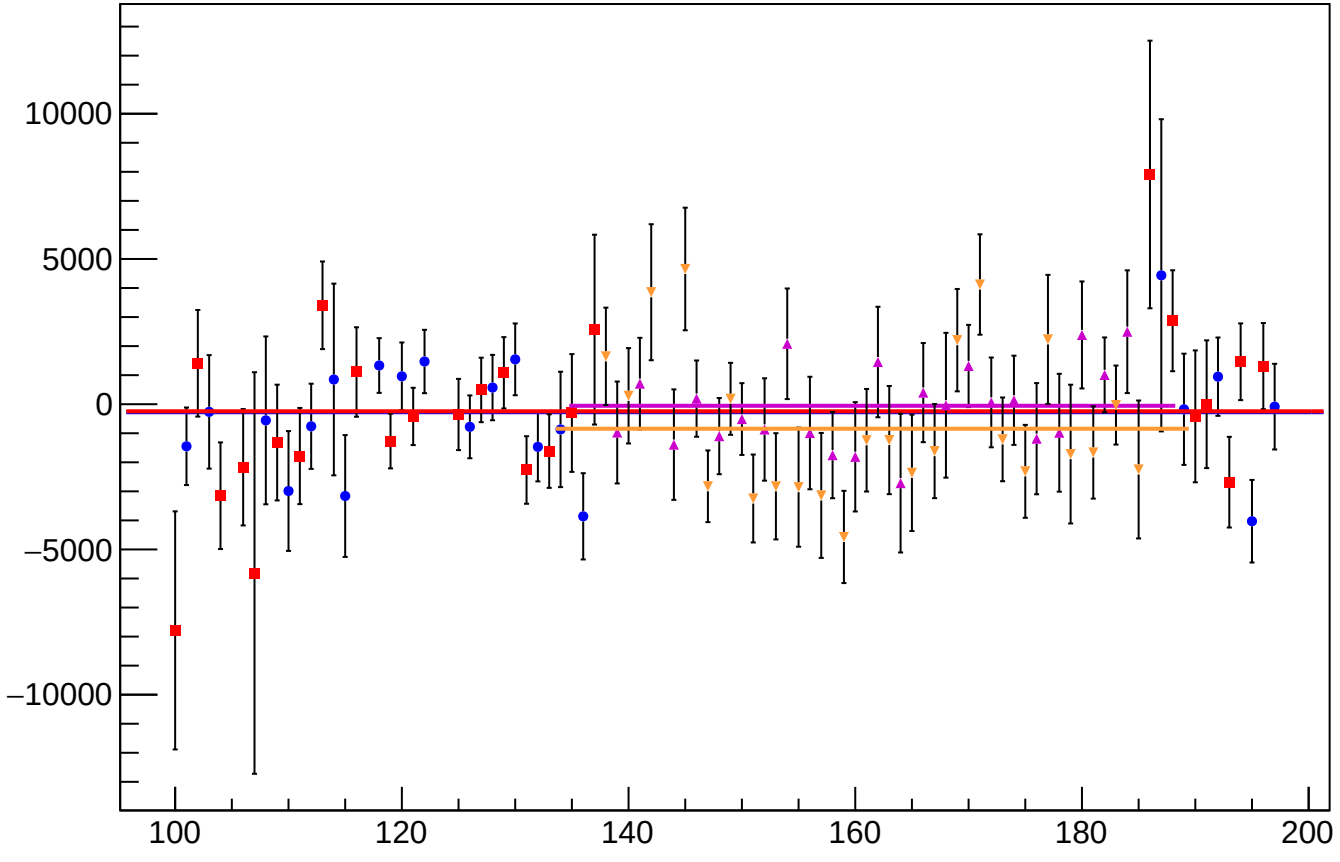
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

\+ sign 1103.035+/-0.144 χ^2/NDF: 15774.8/44

All: 1105.304+/-0.101 χ^2/NDF: 35318.4/92

\- sign 1107.520+/-0.143 χ^2/NDF: 19054.7/47

asym_usl_cor_correction_mean vs Slug



Right In: -275.806+/-313.228 χ^2/NDF: 29.7/20

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

Right Out: -243.321+/-306.897 χ^2/NDF: 35.4/24

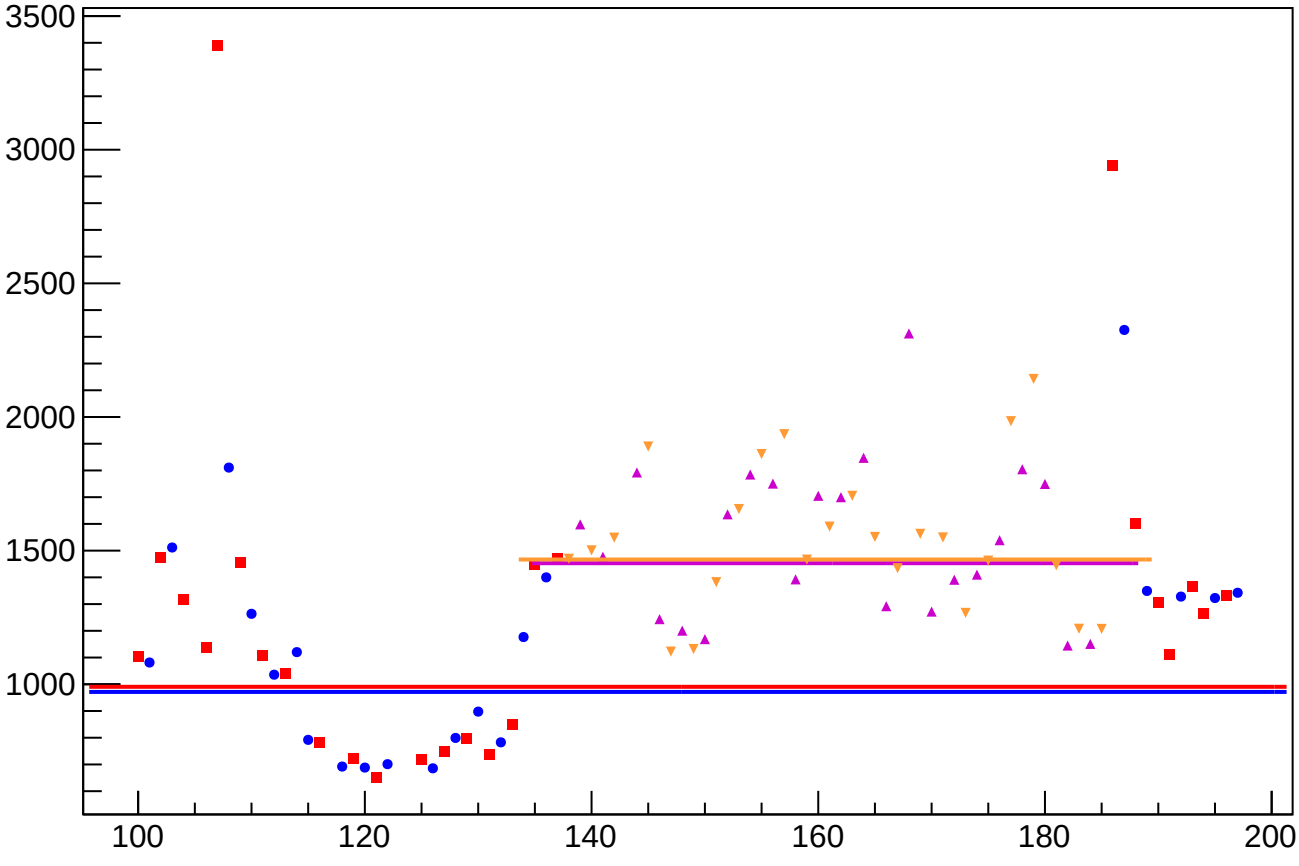
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -530.925+/-232.615 χ^2/NDF: 75.3/44

All: -343.081+/-163.401 χ^2/NDF: 125.2/92

- sign -160.102+/-229.583 χ^2/NDF: 48.6/47

asym_usl_cor_correction_rms vs Slug



Right In: 971.373+/-0.221 χ^2/NDF: 1840271.1/20

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

Right Out: 990.511+/-0.217 χ^2/NDF: 2476504.3/24

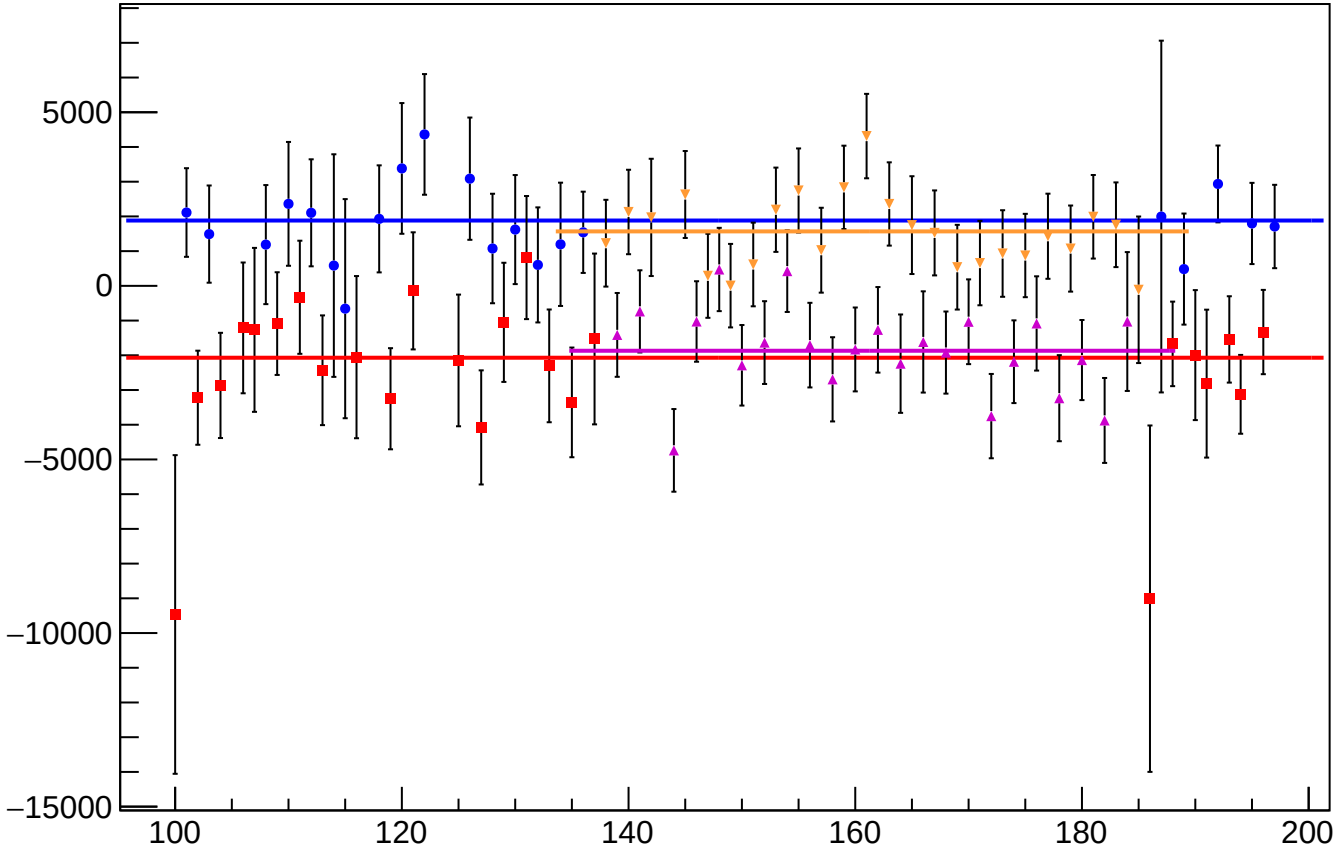
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1193.586+/-0.164 χ^2/NDF: 5127972.6/44

All: 1193.883+/-0.116 χ^2/NDF: 10734093.5/9

- sign 1194.173+/-0.162 χ^2/NDF: 5606114.4/47

overload_cor_asym_usl_mean vs Slug



Right In: 1881.610+/-340.131 χ^2/NDF: 7.1/20

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

Right Out: -2070.123+/-327.863 χ^2/NDF: 16.3/24

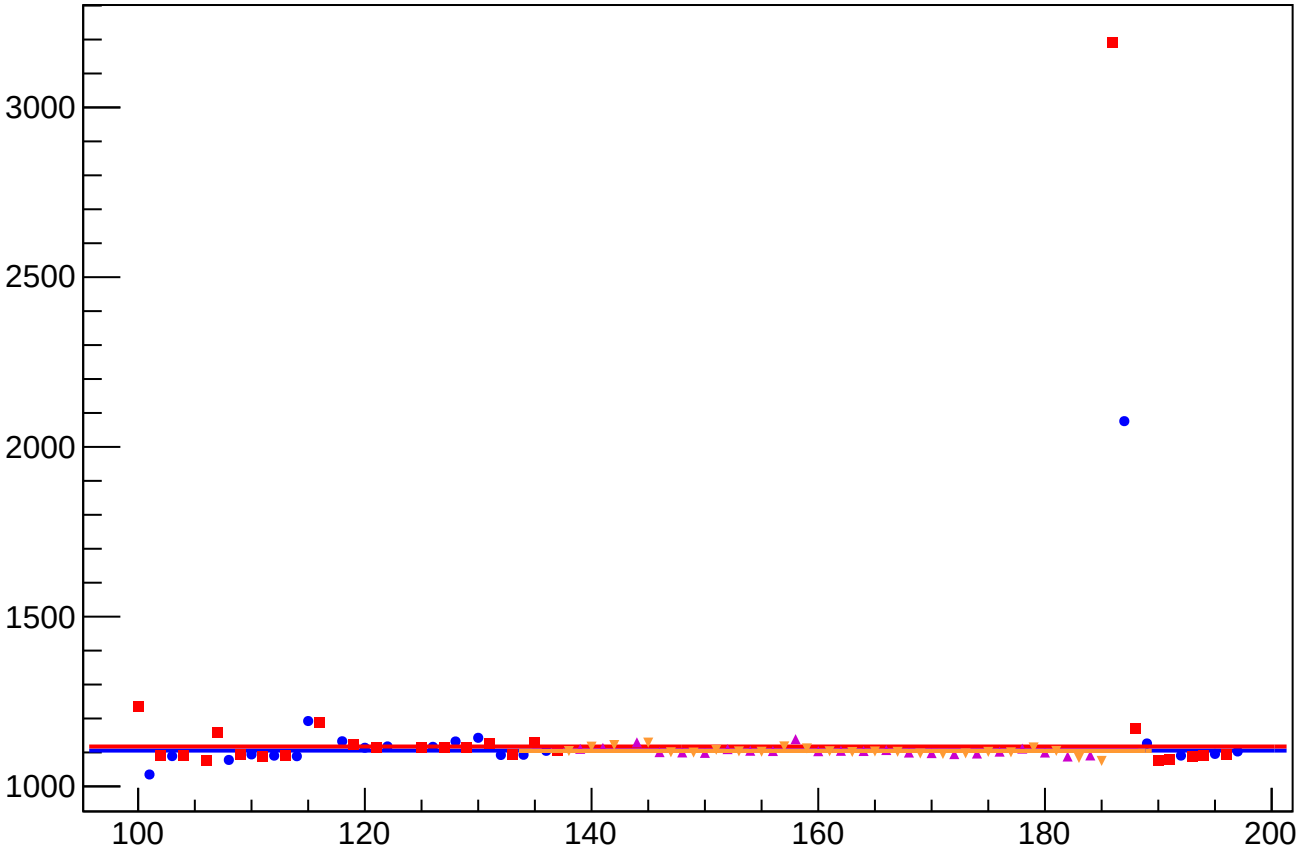
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1682.078+/-204.689 χ^2/NDF: 23.1/44

All: -148.863+/-144.065 χ^2/NDF: 221.6/92

- sign -1946.162+/-202.800 χ^2/NDF: 40.0/47

overload_cor_asym_usl_rms vs Slug



Right In: 1105.440+/-0.241 χ^2/NDF: 85768.5/20

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

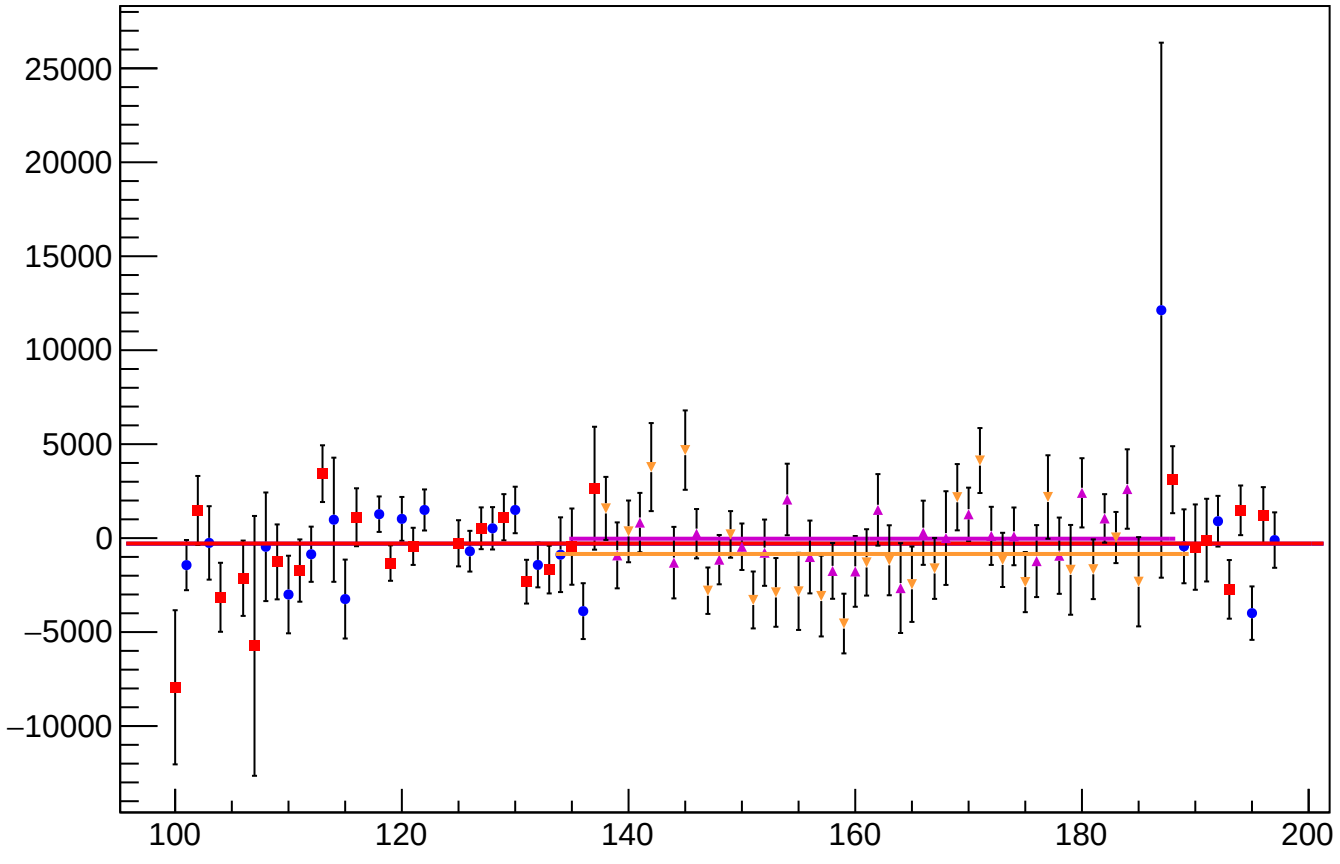
Right Out: 1117.476+/-0.232 χ^2/NDF: 361951.8/24

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

+ sign 1104.686+/-0.145 χ^2/NDF: 88783.2/44

All: 1107.372+/-0.102 χ^2/NDF: 456758.9/92

- sign 1110.008+/-0.143 χ^2/NDF: 367293.5/47



Right In: -297.132+/-314.332 χ^2/NDF: 29.4/20

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

Right Out: -287.339+/-308.248 χ^2/NDF: 33.2/23

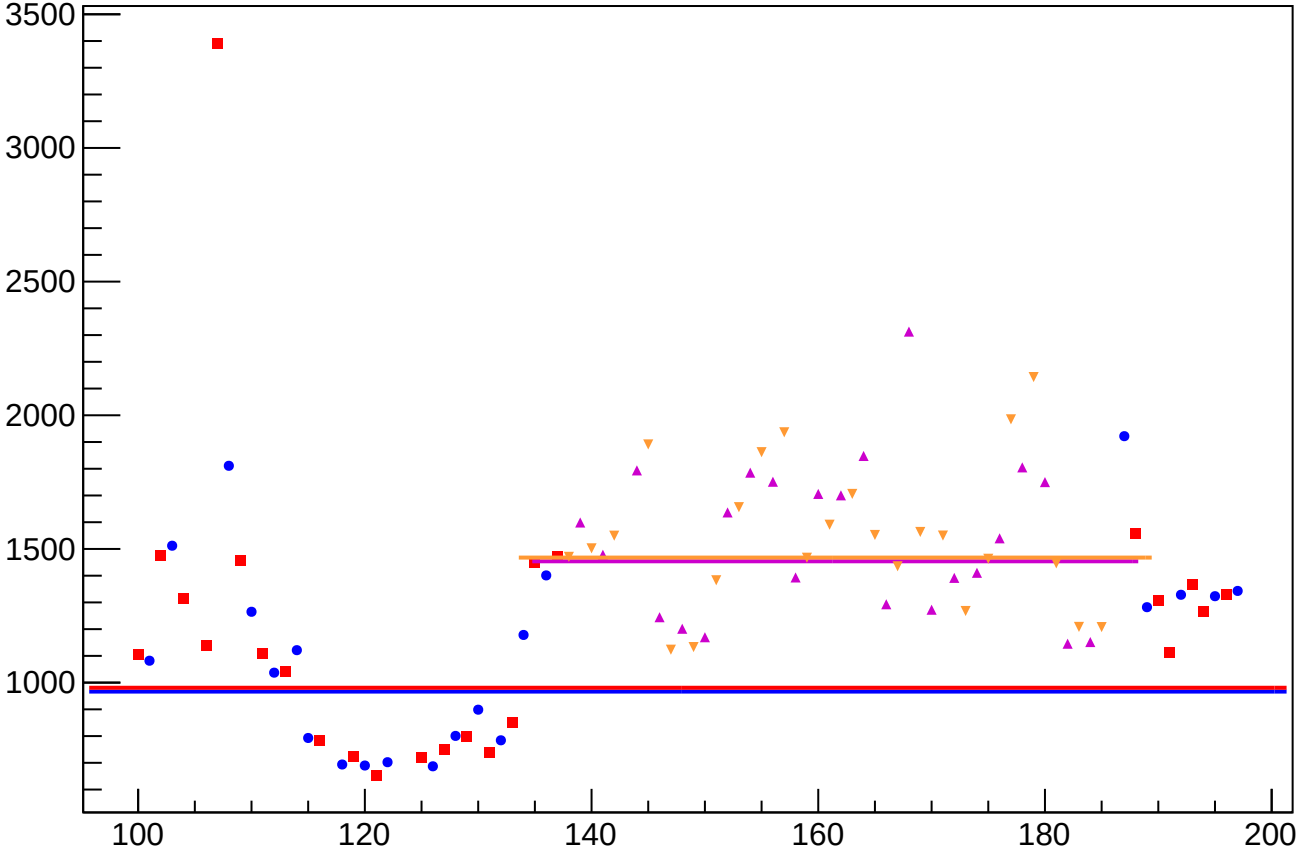
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -542.875+/-233.124 χ^2/NDF: 74.8/44

All: -356.184+/-163.802 χ^2/NDF: 122.6/91

- sign -174.140+/-230.204 χ^2/NDF: 46.6/46

asym_usl_overload_cor_correction_rms vs Slug



Right In: 966.475+/-0.222 χ^2/NDF: 1686020.6/20

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

Right Out: 980.760+/-0.218 χ^2/NDF: 2060951.1/23

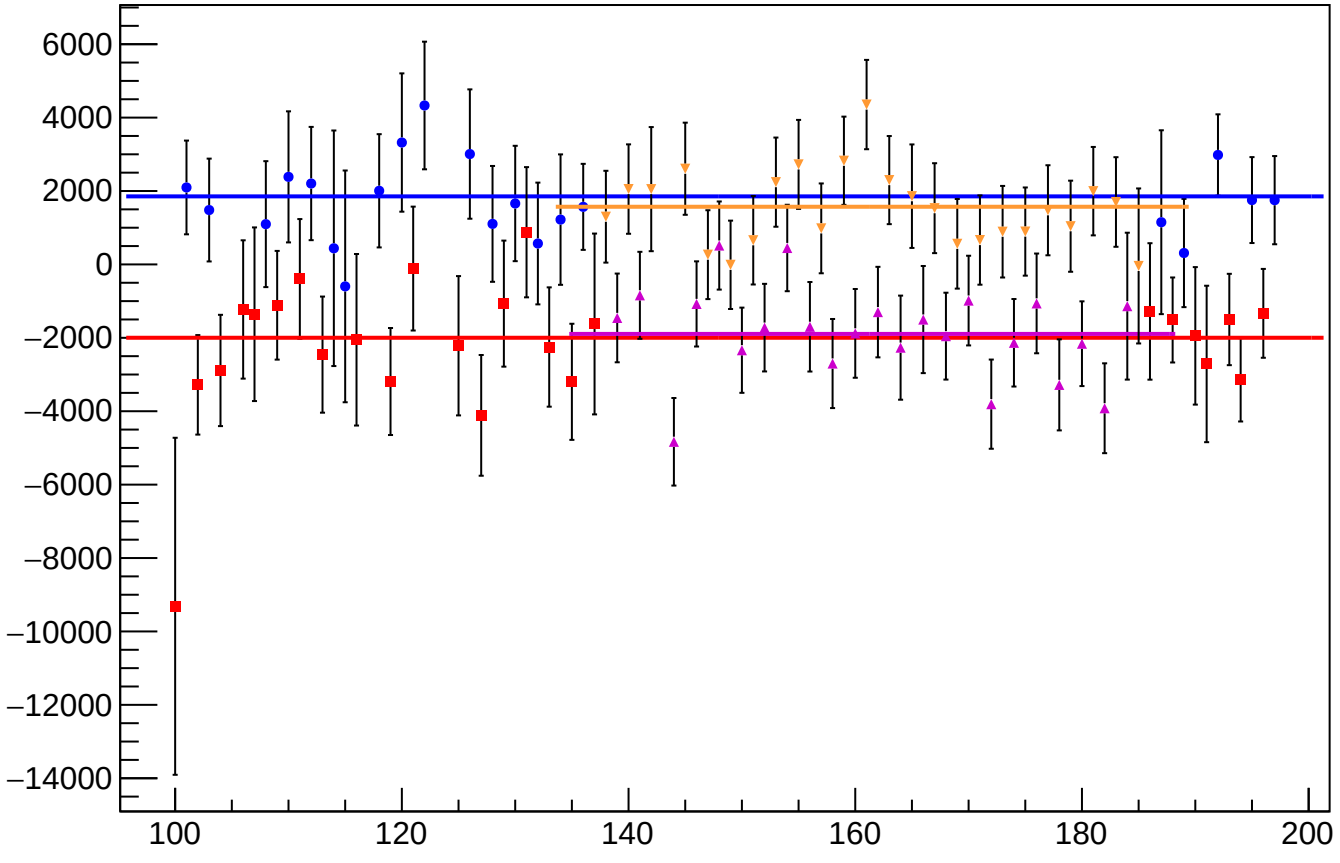
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1192.003+/-0.165 χ^2/NDF: 5016038.1/44

All: 1190.981+/-0.116 χ^2/NDF: 10288458.9/9

- sign 1189.985+/-0.163 χ^2/NDF: 5272344.9/46

eigen_cor_asym_usl_mean vs Slug



Right In: 1853.832+/-336.719 χ^2/NDF: 7.6/20

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

Right Out: -1998.289+/-322.510 χ^2/NDF: 14.5/24

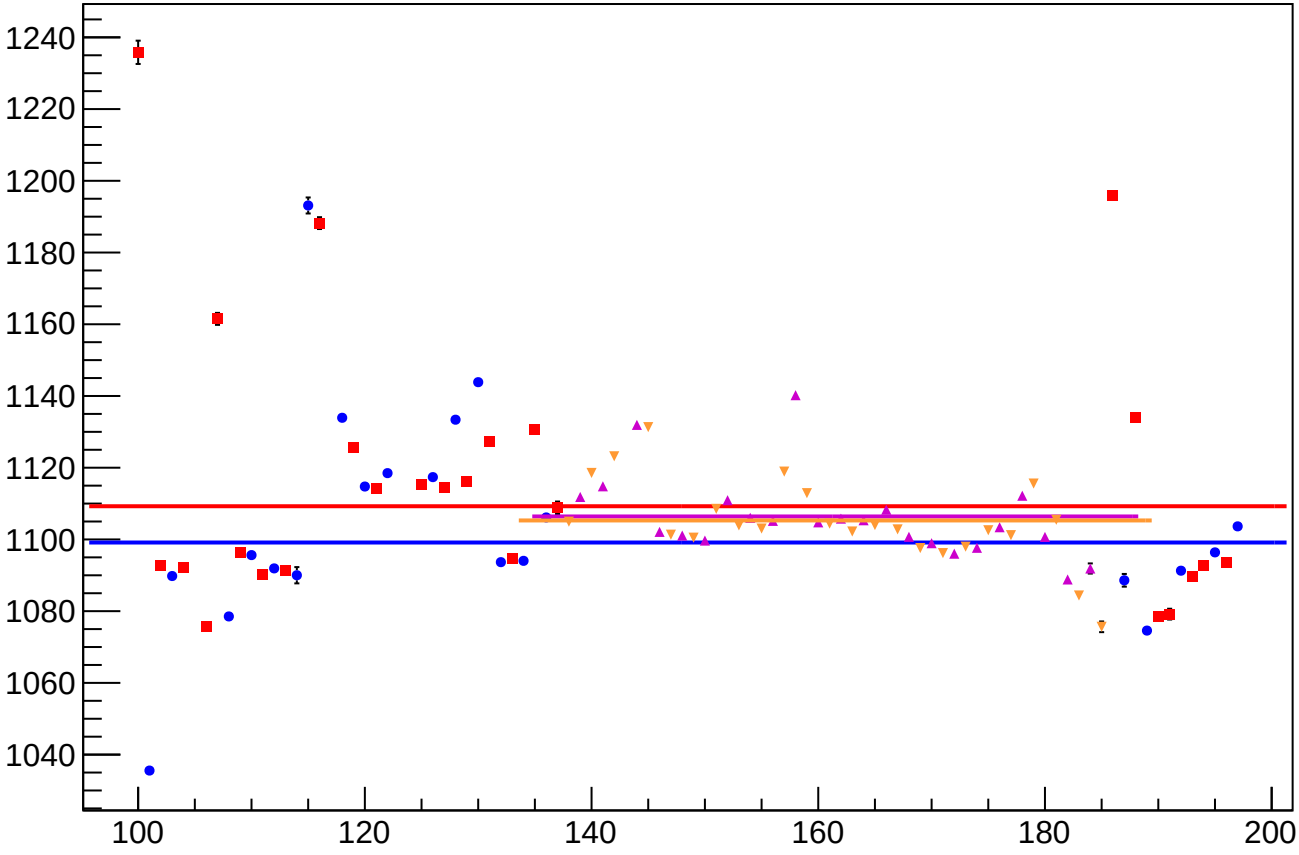
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1674.910+/-204.060 χ^2/NDF: 23.4/44

All: -151.366+/-143.425 χ^2/NDF: 220.3/92

- sign -1934.364+/-201.628 χ^2/NDF: 38.6/47

eigen_cor_asym_usl_rms vs Slug



Right In: 1099.142+/-0.238 χ^2/NDF: 12190.6/20

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

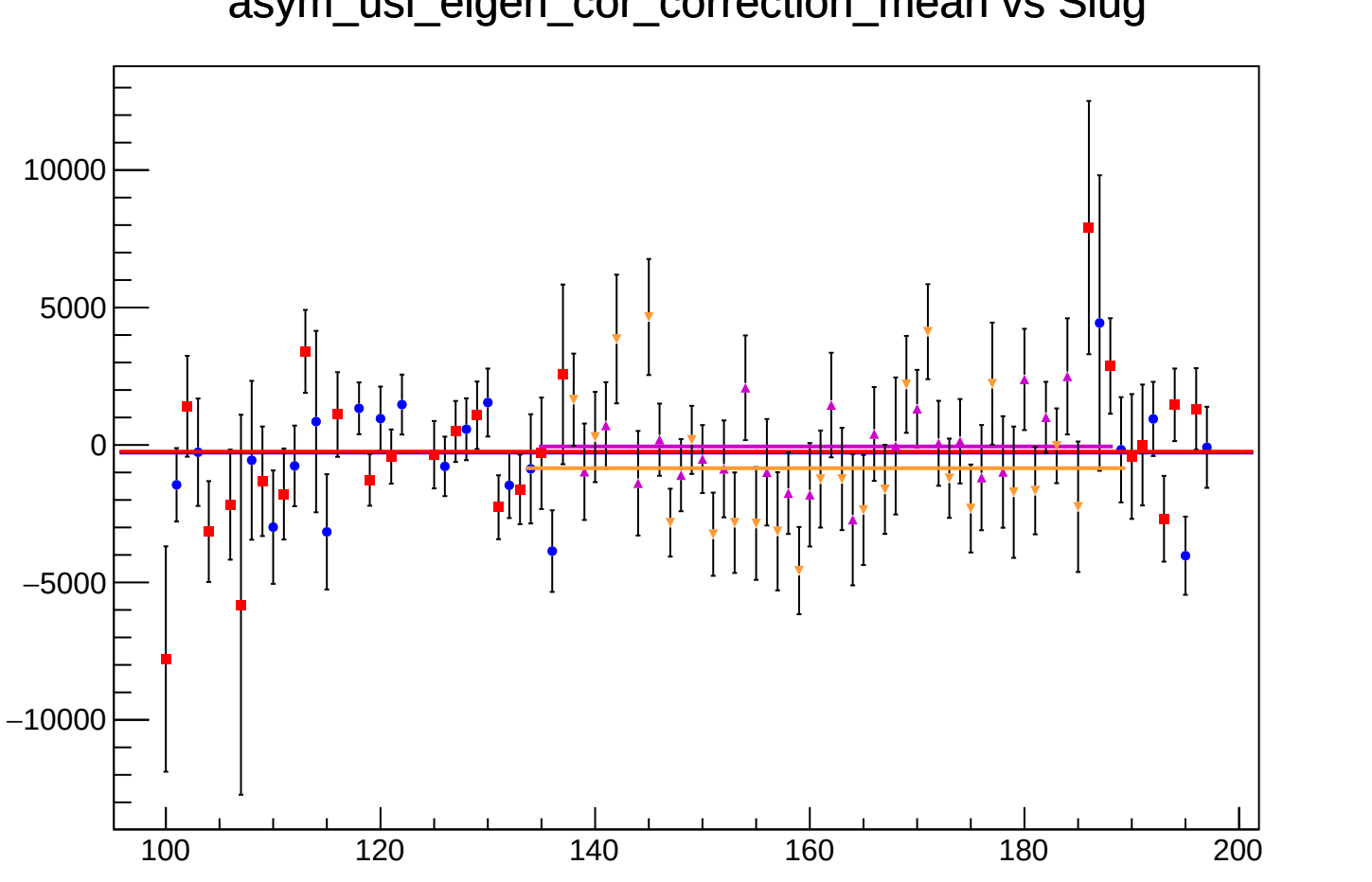
Right Out: 1109.257+/-0.228 χ^2/NDF: 15183.0/24

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

+ sign 1103.035+/-0.144 χ^2/NDF: 15774.8/44

All: 1105.304+/-0.101 χ^2/NDF: 35318.4/92

- sign 1107.520+/-0.143 χ^2/NDF: 19054.7/47



Right In: -275.806+/-313.228 χ^2/NDF: 29.7/20

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

Right Out: -243.321+/-306.897 χ^2/NDF: 35.4/24

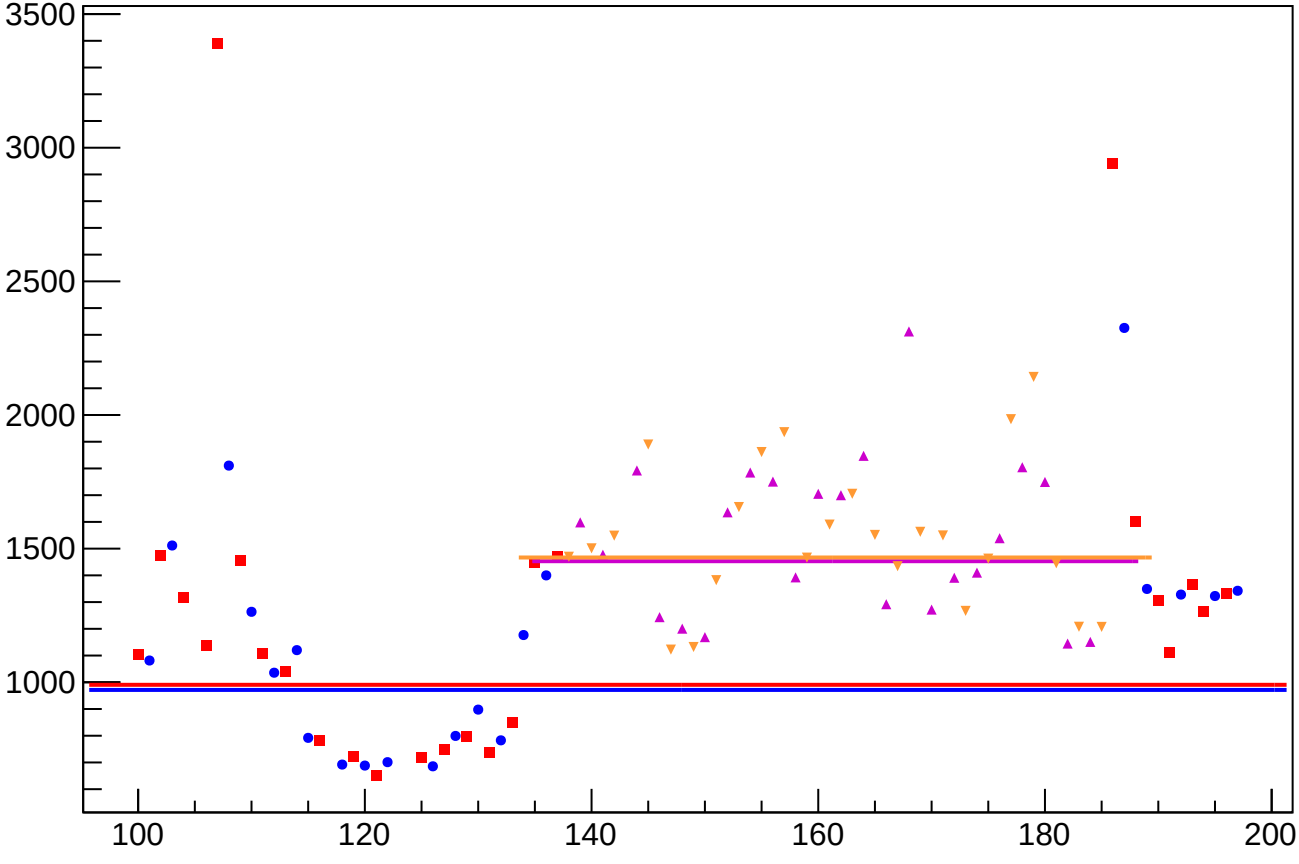
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -530.925+/-232.615 χ^2/NDF: 75.3/44

All: -343.081+/-163.401 χ^2/NDF: 125.2/92

- sign -160.102+/-229.583 χ^2/NDF: 48.6/47

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 971.373+/-0.221 χ^2/NDF: 1840271.1/20

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

Right Out: 990.511+/-0.217 χ^2/NDF: 2476504.3/24

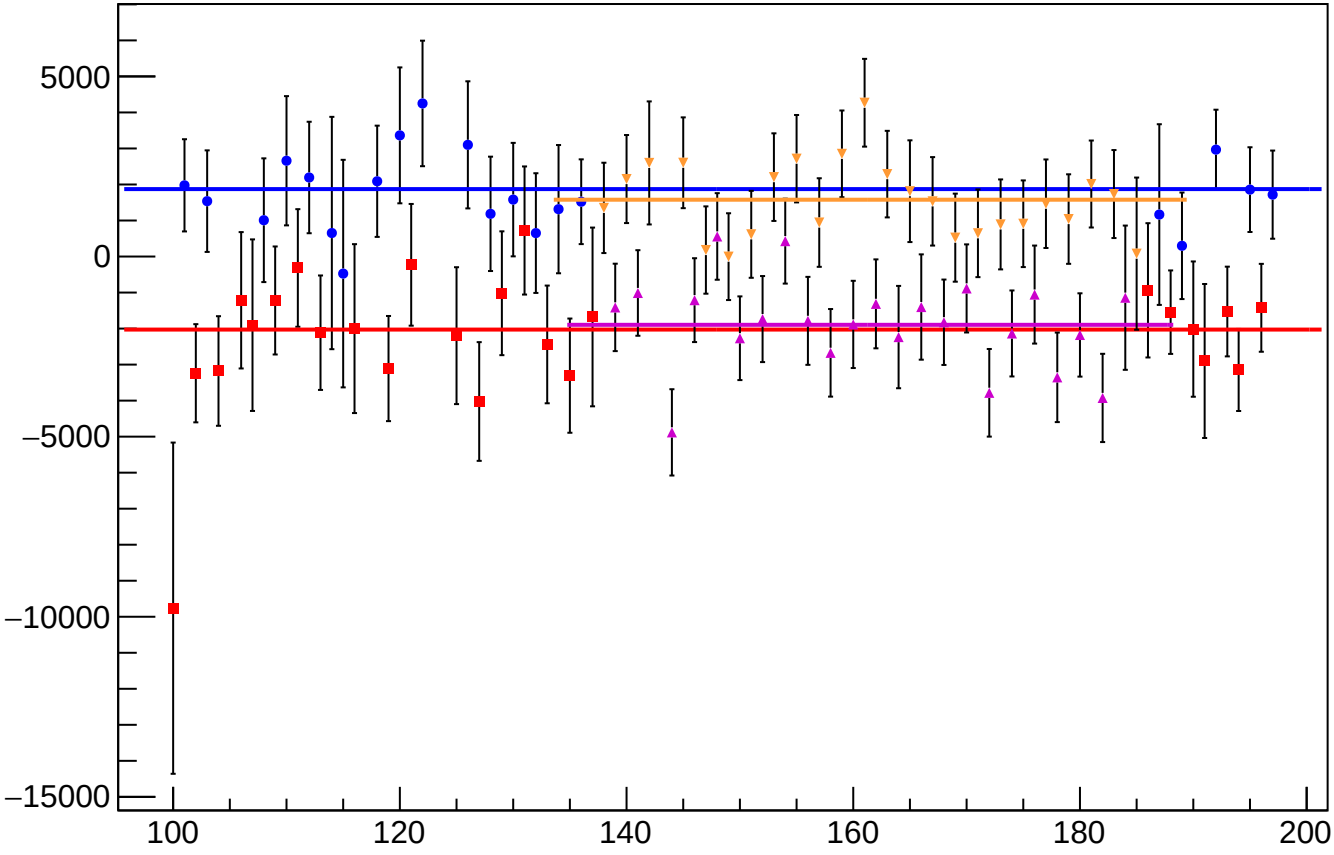
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1193.586+/-0.164 χ^2/NDF: 5127972.6/44

All: 1193.883+/-0.116 χ^2/NDF: 10734093.5/9

- sign 1194.173+/-0.162 χ^2/NDF: 5606114.4/47

dit_asym_usl_mean vs Slug



Right In: 1872.223+/-338.081 χ^2/NDF: 7.4/20

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

Right Out: -2027.643+/-323.614 χ^2/NDF: 14.5/24

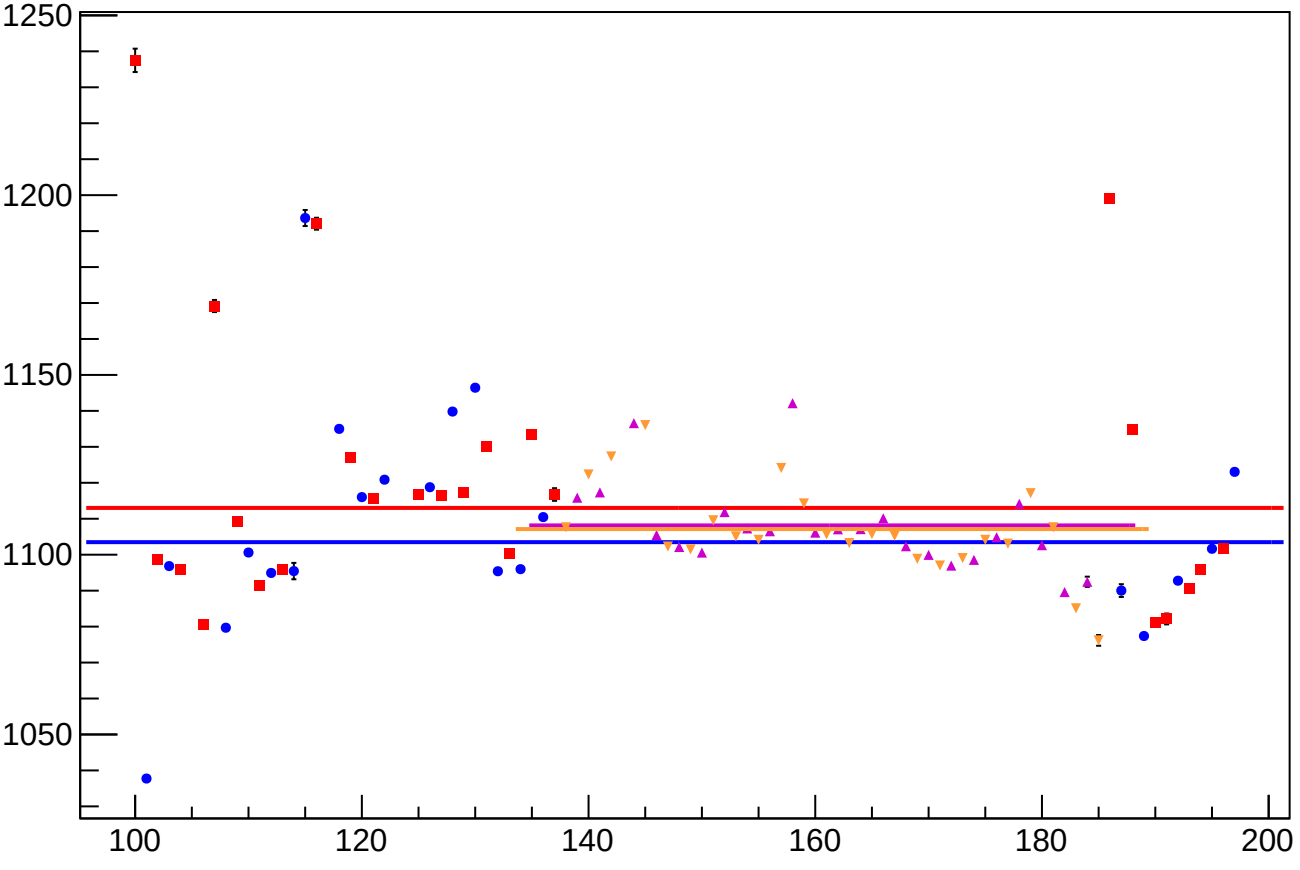
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1685.376+/-204.598 χ^2/NDF: 23.4/44

All: -153.218+/-143.779 χ^2/NDF: 221.6/92

- sign -1947.063+/-202.093 χ^2/NDF: 38.7/47

dit_asym_usl_rms vs Slug



Right In: 1103.488+/-0.239 χ^2/NDF: 12755.6/20

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

Right Out: 1113.012+/-0.229 χ^2/NDF: 14592.4/24

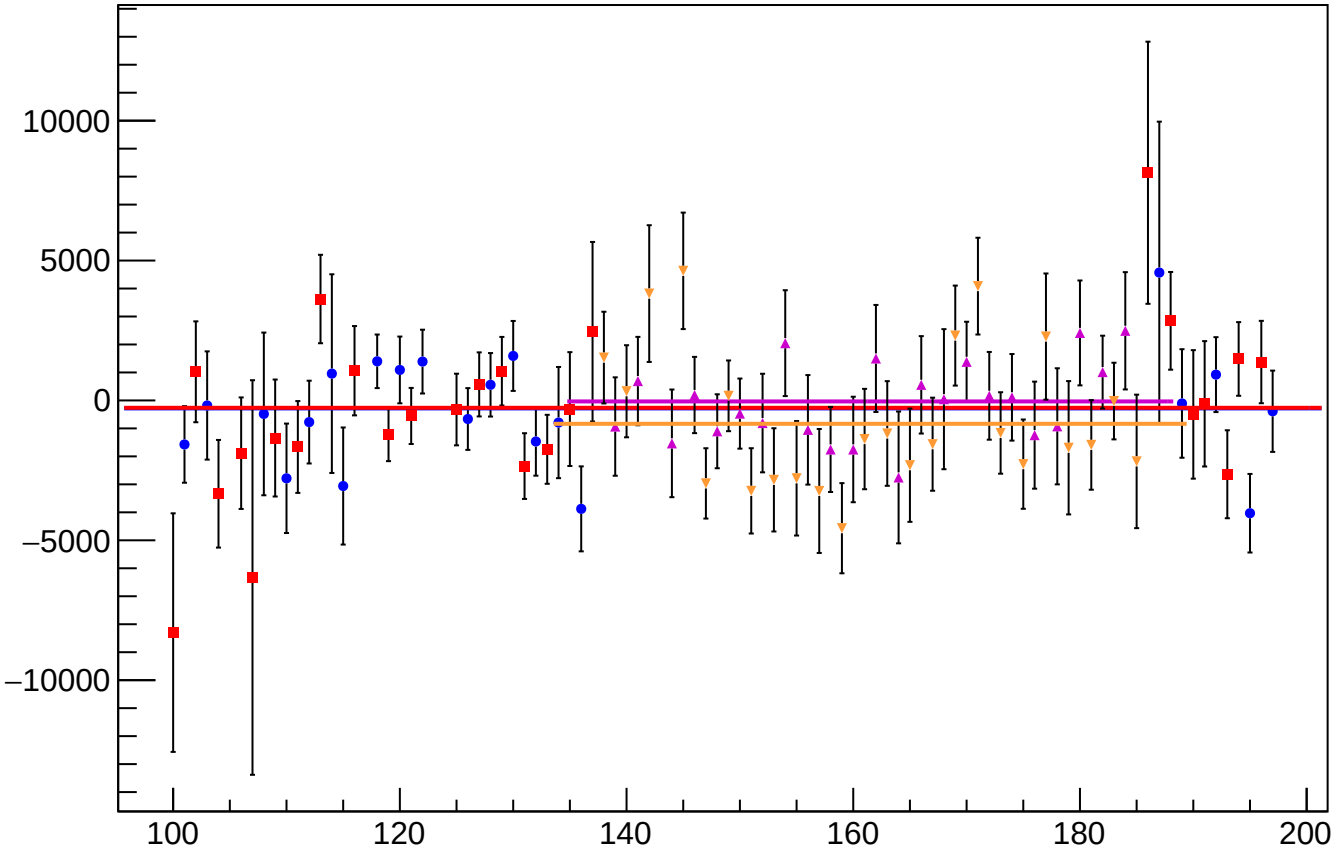
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1105.794+/-0.145 χ^2/NDF: 16686.2/44

All: 1107.945+/-0.102 χ^2/NDF: 36181.6/92

- sign 1110.043+/-0.143 χ^2/NDF: 19058.8/47

asym_usl_dit_correction_mean vs Slug



Right In: -284.957+/-317.165 χ^2/NDF: 29.4/20

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

Right Out: -263.576+/-310.844 χ^2/NDF: 35.5/24

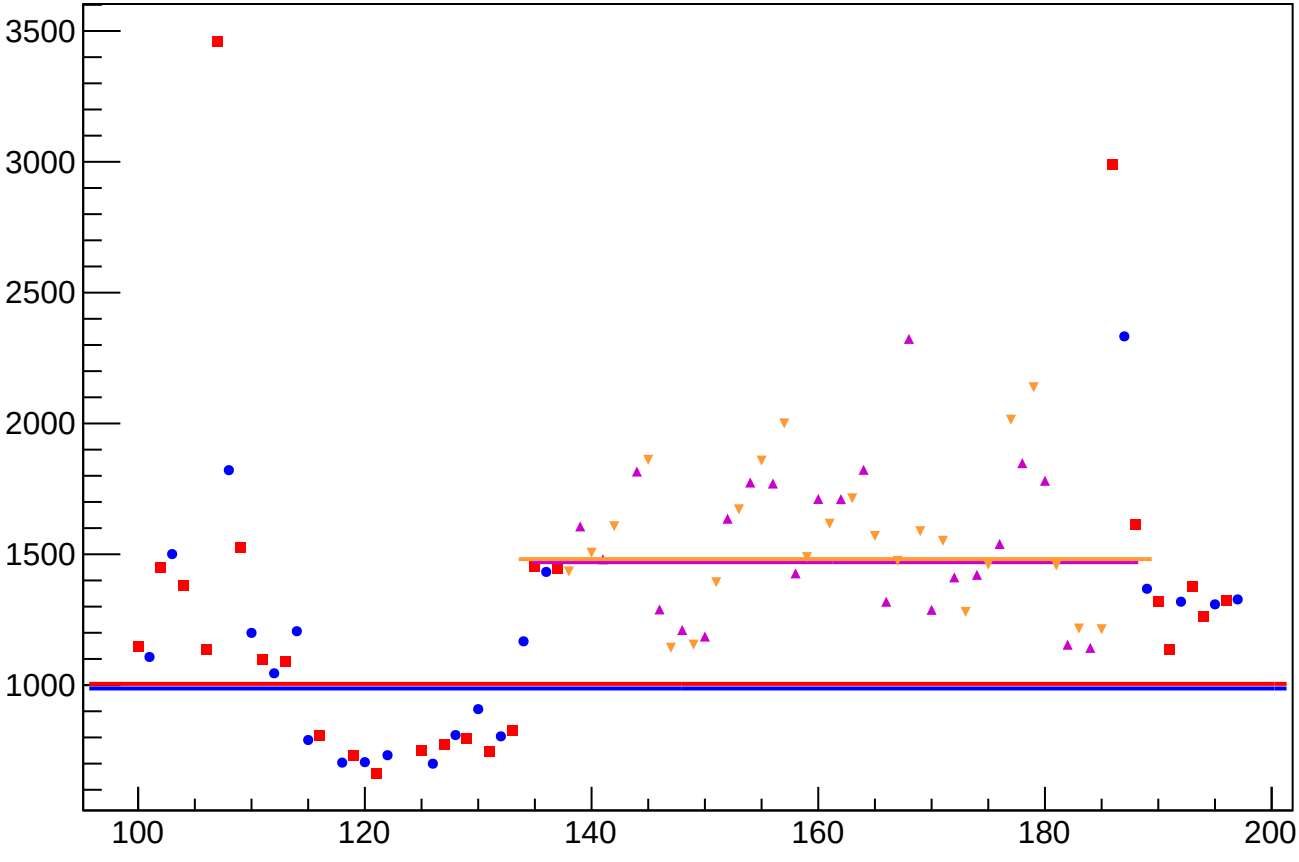
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -532.625+/-235.209 χ^2/NDF: 74.3/44

All: -345.467+/-165.283 χ^2/NDF: 124.4/92

- sign -162.895+/-232.309 χ^2/NDF: 48.9/47

asym_usl_dit_correction_rms vs Slug



Right In: 987.109+/-0.224 χ^2/NDF: 1724980.8/20

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

Right Out: 1004.745+/-0.220 χ^2/NDF: 2435074.3/24

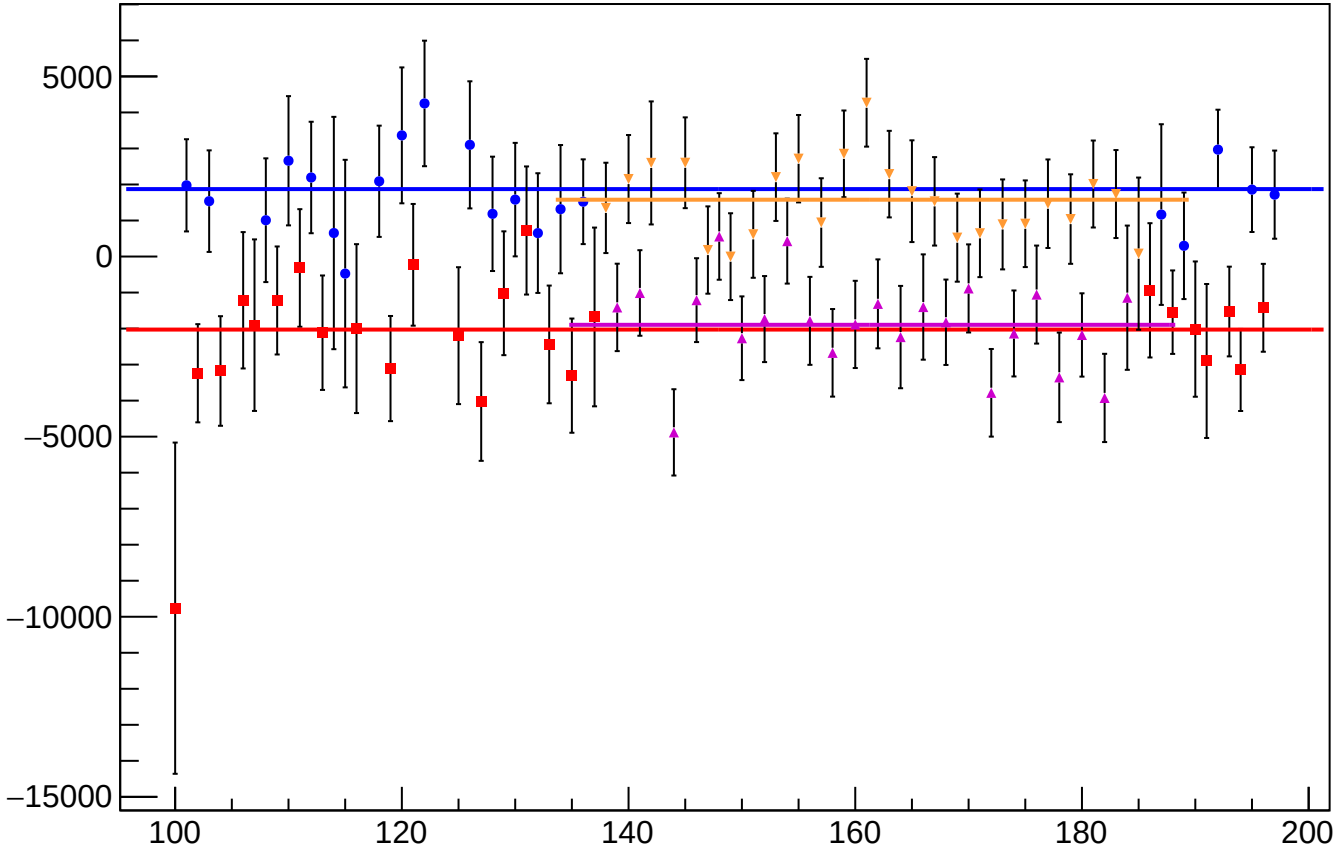
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1209.622+/-0.166 χ^2/NDF: 4929811.9/44

All: 1209.864+/-0.117 χ^2/NDF: 10437157.7/9

- sign 1210.100+/-0.164 χ^2/NDF: 5507341.6/47

eigen_dit_asym_usl_mean vs Slug



Right In: 1872.222+/-338.081 χ^2/NDF: 7.4/20

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

Right Out: -2027.641+/-323.614 χ^2/NDF: 14.5/24

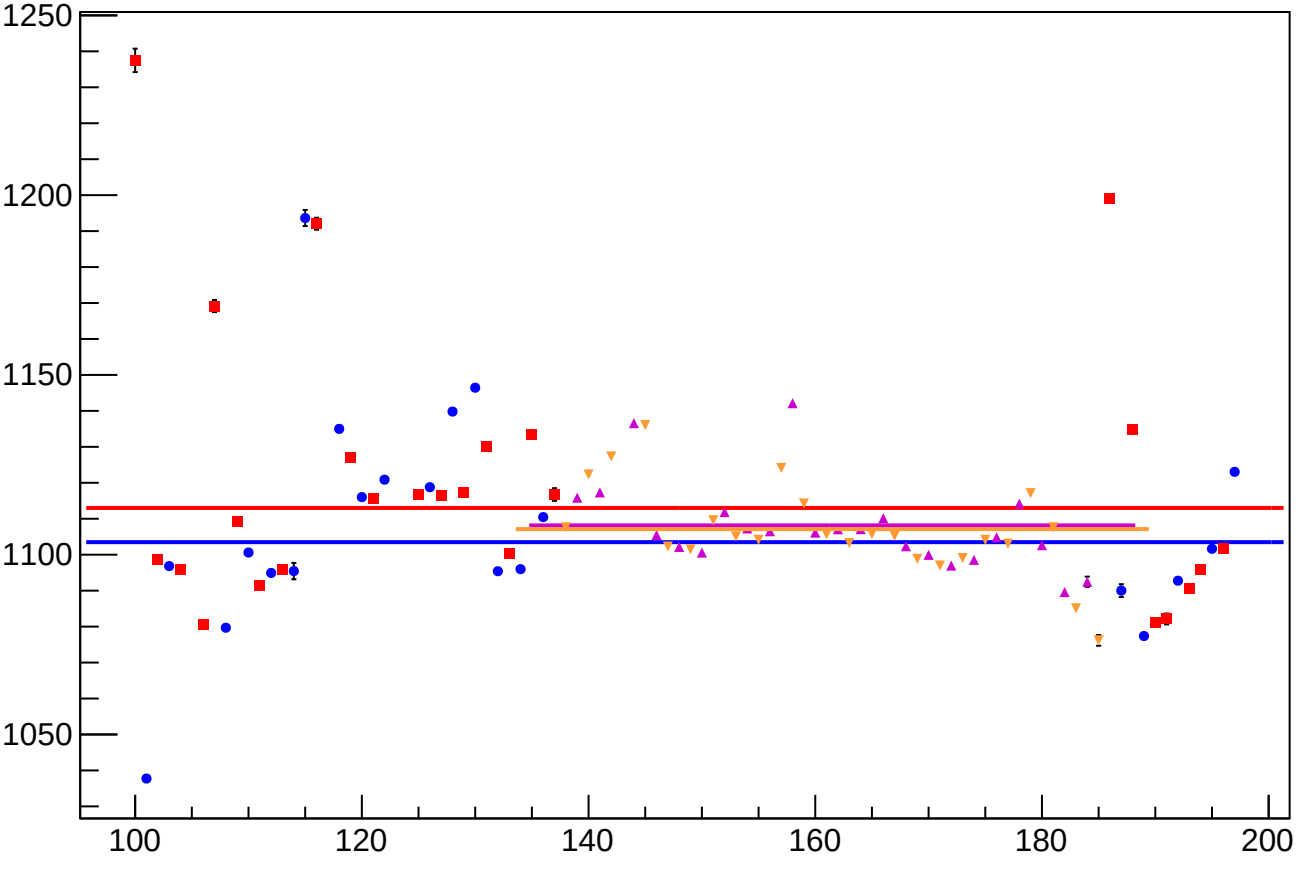
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1685.374+/-204.598 χ^2/NDF: 23.4/44

All: -153.220+/-143.779 χ^2/NDF: 221.6/92

- sign -1947.063+/-202.093 χ^2/NDF: 38.7/47

eigen_dit_asym_usl_rms vs Slug



Right In: 1103.488+/-0.239 χ^2/NDF: 12755.6/20

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

Right Out: 1113.012+/-0.229 χ^2/NDF: 14592.3/24

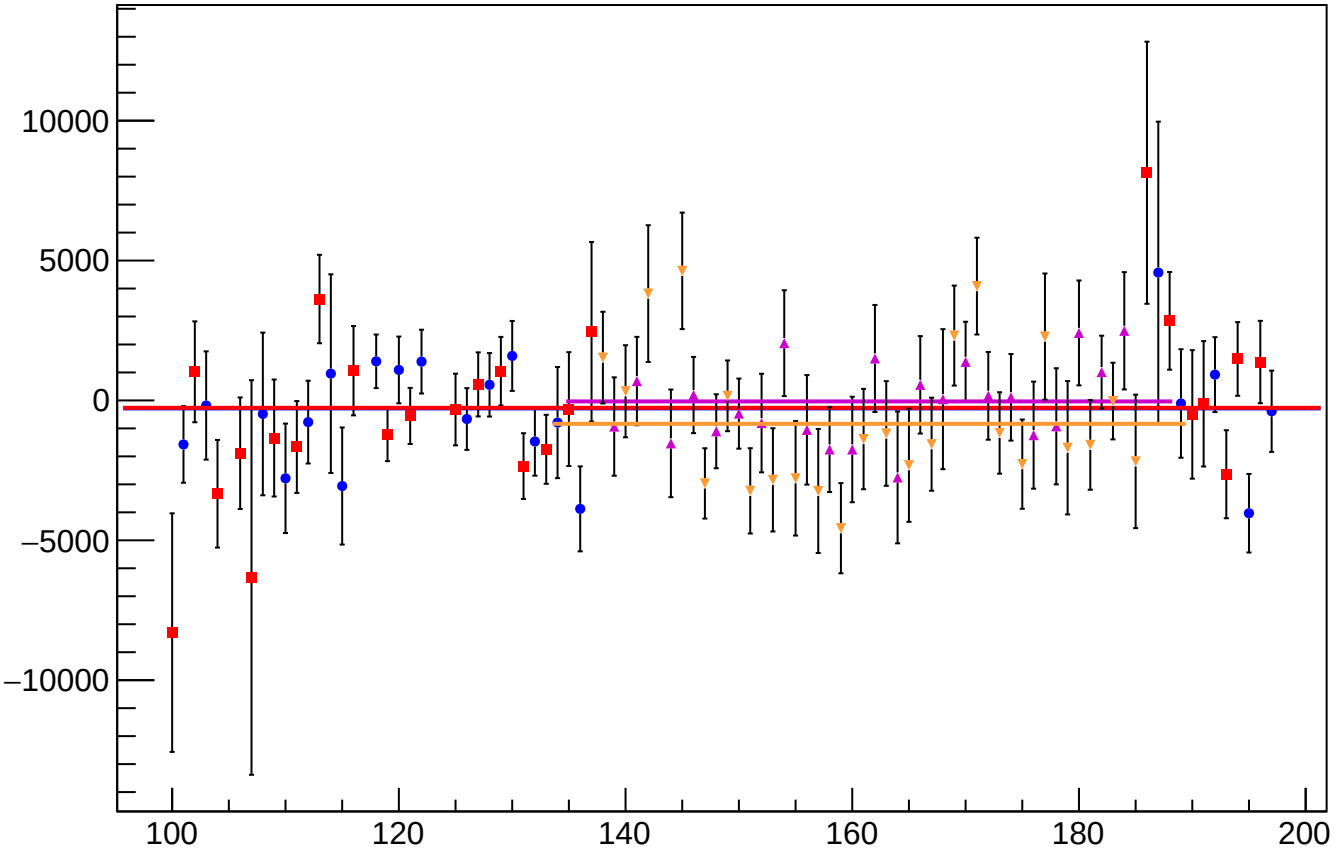
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1105.794+/-0.145 χ^2/NDF: 16686.2/44

All: 1107.945+/-0.102 χ^2/NDF: 36181.6/92

- sign 1110.043+/-0.143 χ^2/NDF: 19058.8/47

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -284.956+/-317.165 χ^2/NDF: 29.4/20

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

Right Out: -263.576+/-310.844 χ^2/NDF: 35.5/24

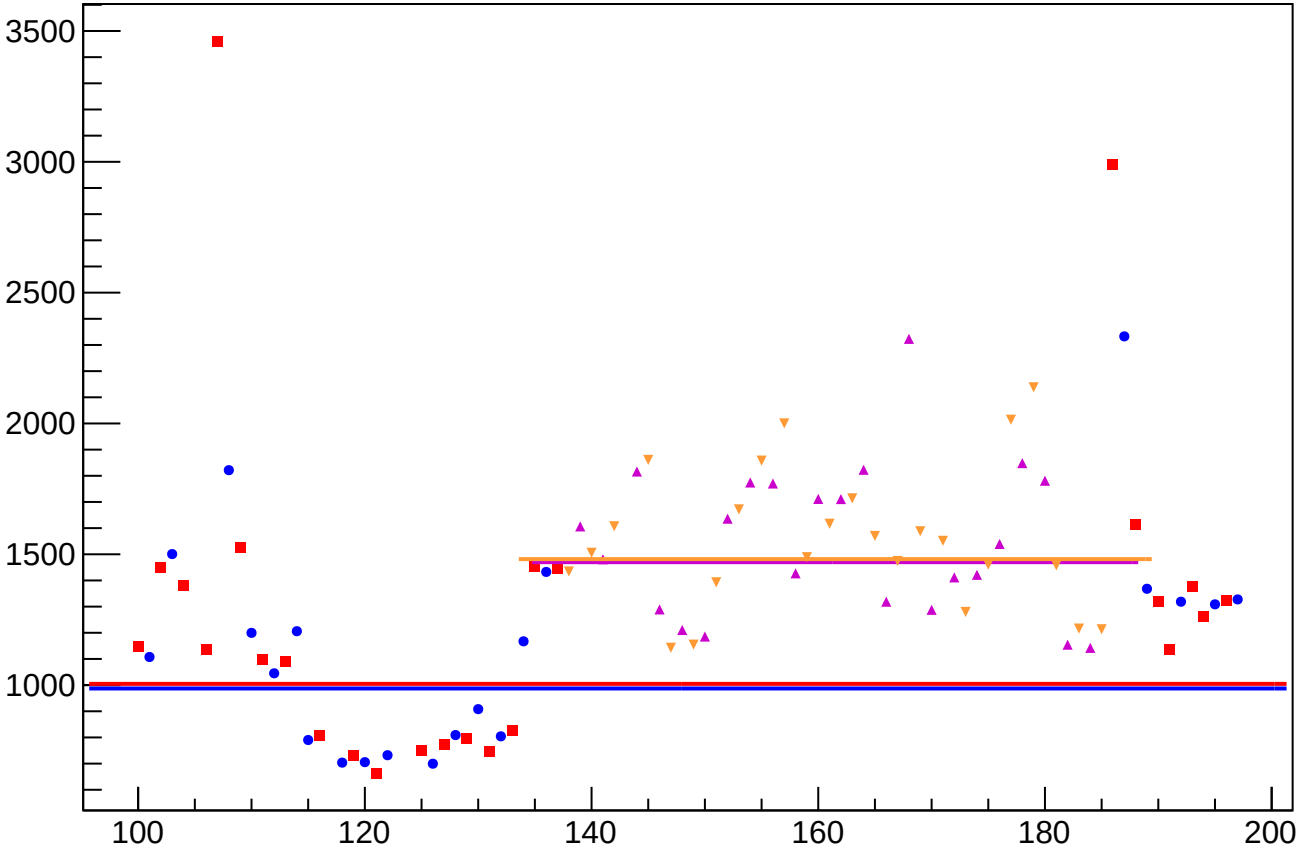
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -532.625+/-235.209 χ^2/NDF: 74.3/44

All: -345.467+/-165.283 χ^2/NDF: 124.4/92

- sign -162.895+/-232.309 χ^2/NDF: 48.9/47

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 987.107+/-0.224 χ^2/NDF: 1724991.1/20

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

Right Out: 1004.743+/-0.220 χ^2/NDF: 2435085.0/24

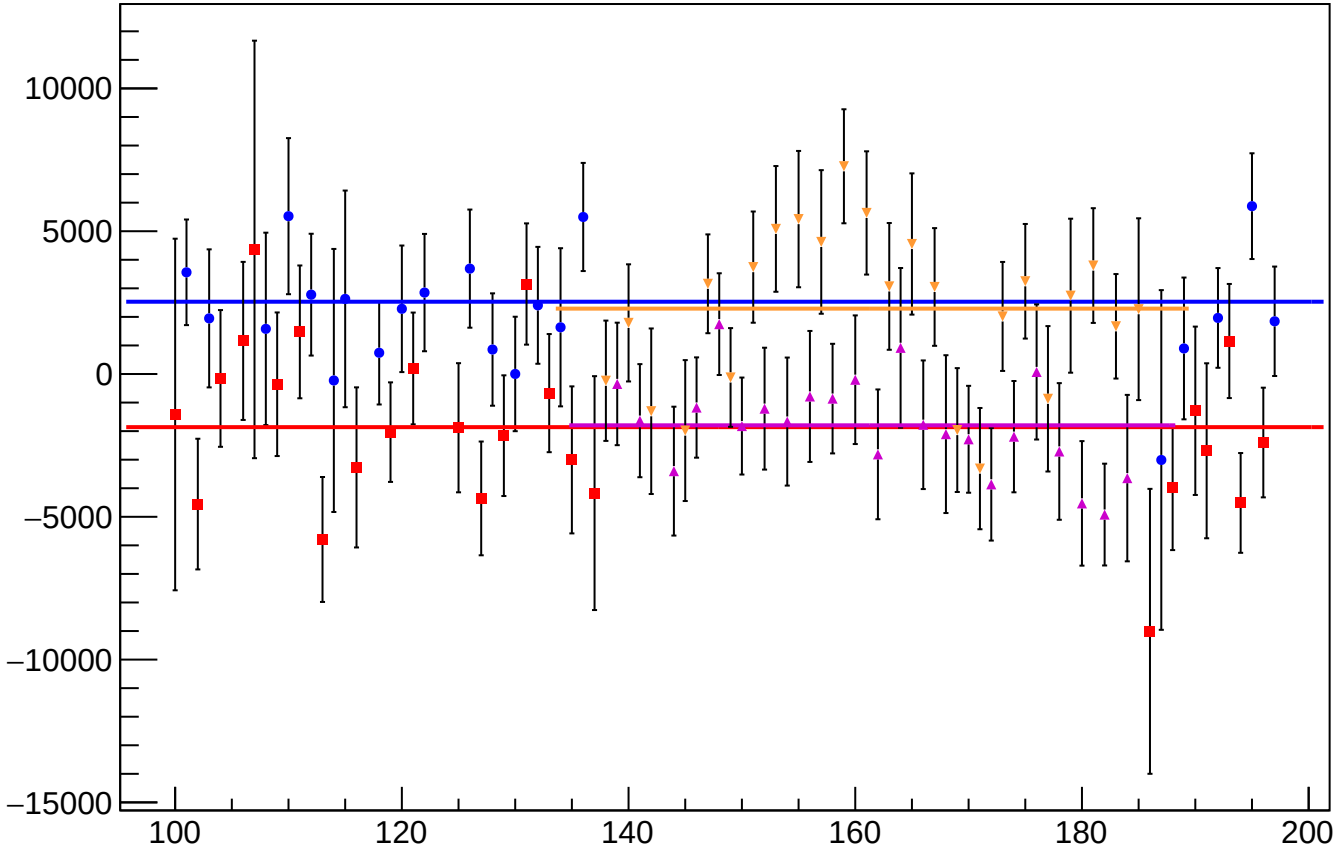
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1209.621+/-0.166 χ^2/NDF: 4929849.2/44

All: 1209.863+/-0.117 χ^2/NDF: 10437233.1/9

- sign 1210.099+/-0.164 χ^2/NDF: 5507379.7/47

asym_usl_mean vs Slug



Right In: 2531.444+/-485.645 χ^2/NDF: 13.0/20

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

Right Out: -1860.406+/-472.966 χ^2/NDF: 26.6/24

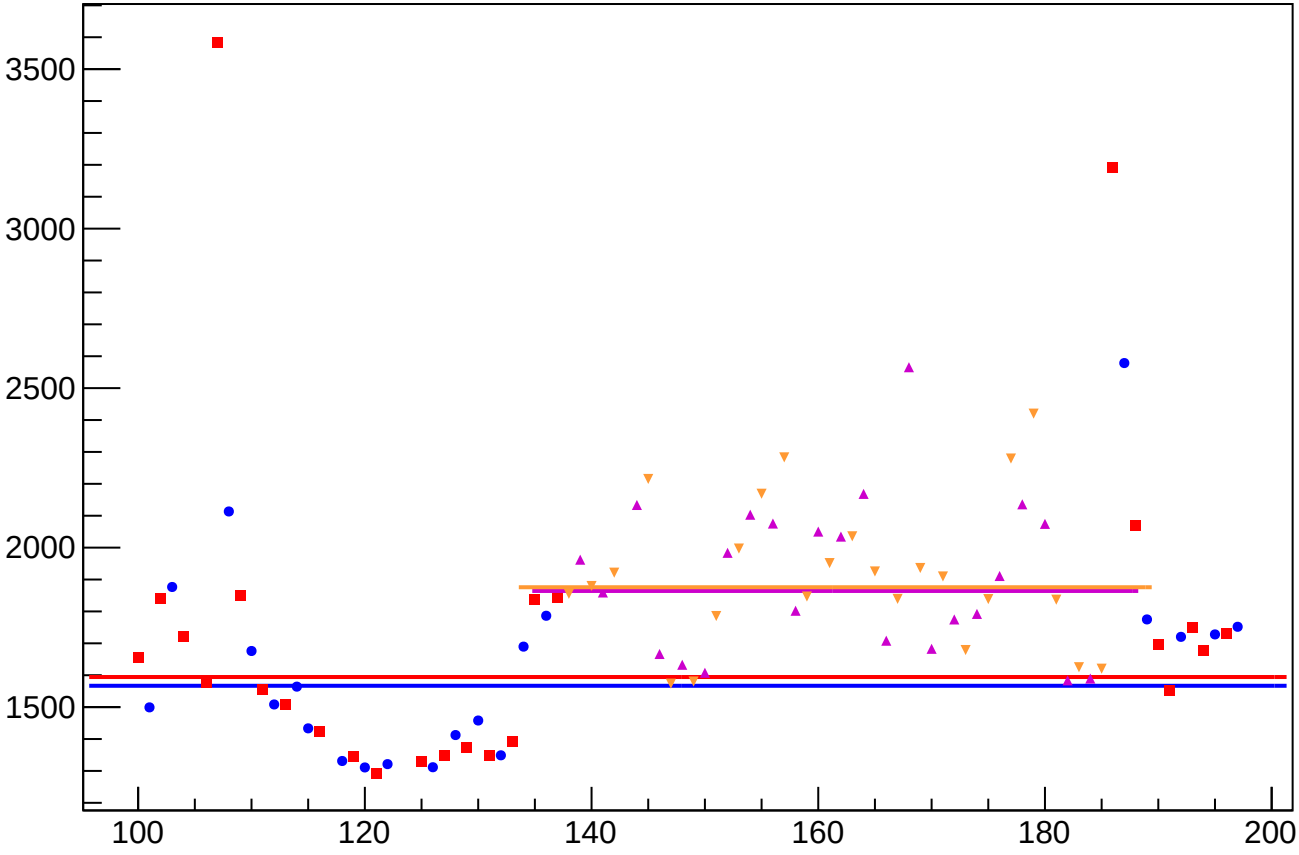
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2398.498+/-325.799 χ^2/NDF: 49.2/44

All: 260.265+/-228.953 χ^2/NDF: 175.2/92

- sign -1825.983+/-321.815 χ^2/NDF: 40.9/47

asym_usl_rms vs Slug



Right In: 1566.907+/-0.343 χ^2/NDF: 407858.1/20

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

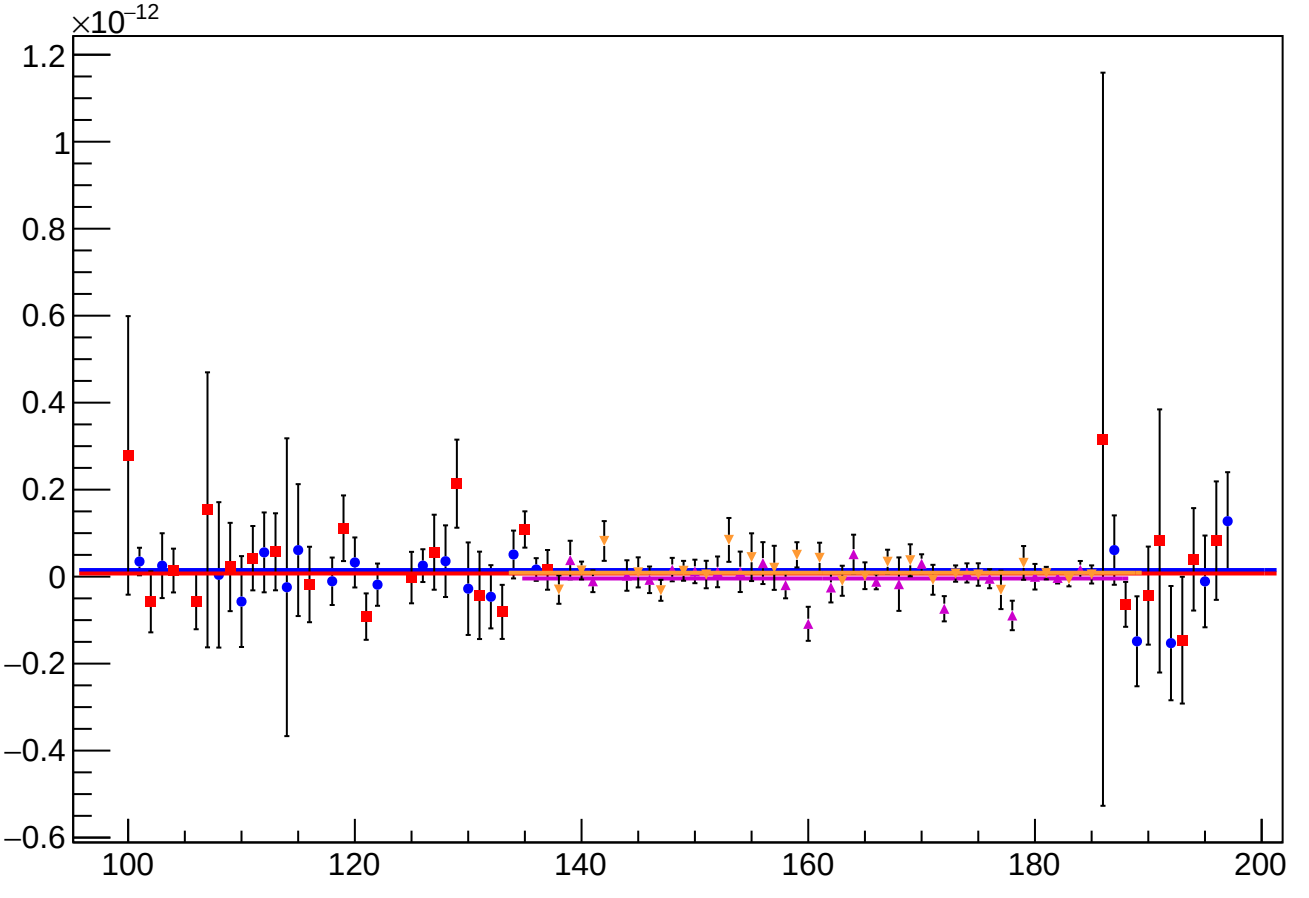
Right Out: 1594.383+/-0.334 χ^2/NDF: 778850.5/24

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

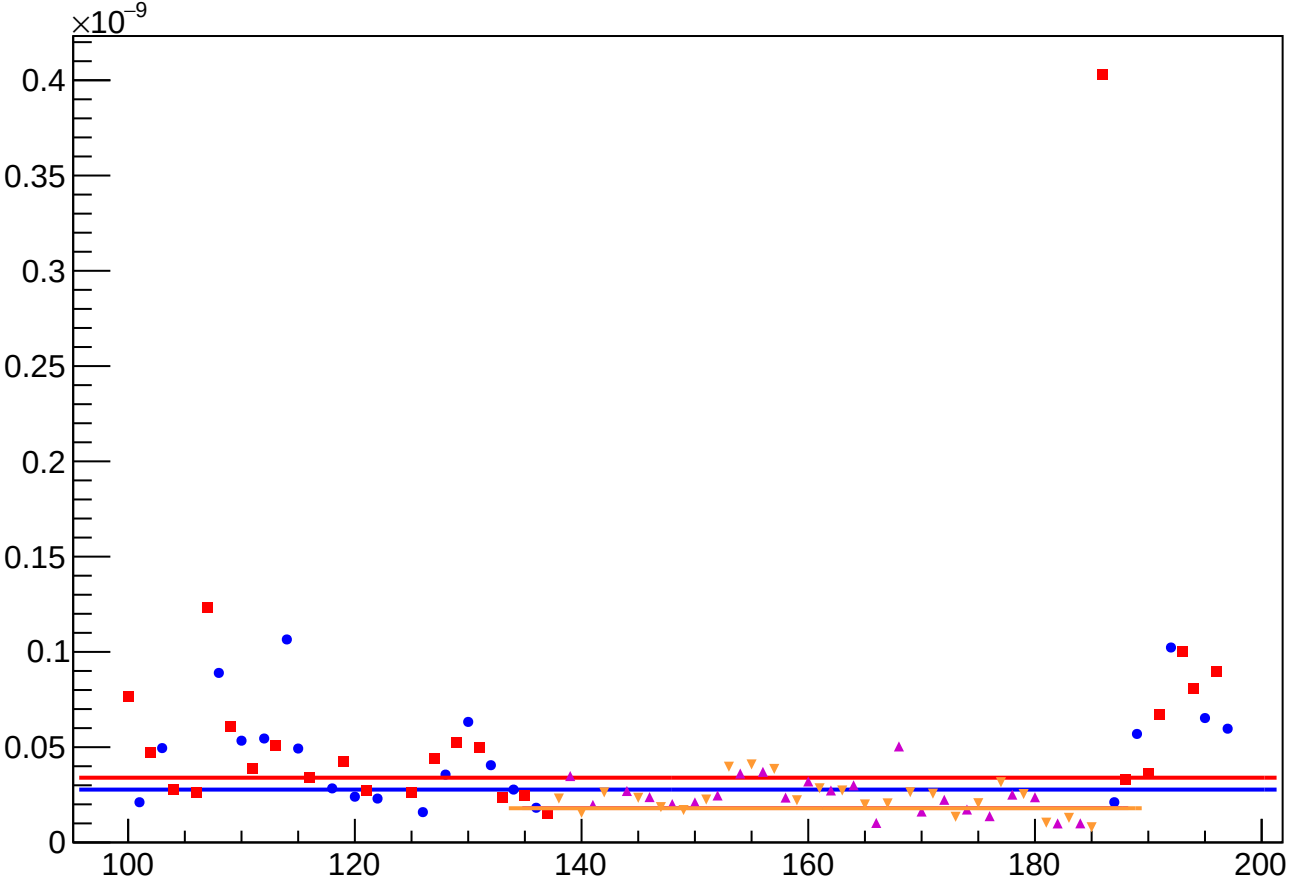
+ sign 1736.792+/-0.230 χ^2/NDF: 1325437.5/44

All: 1738.043+/-0.162 χ^2/NDF: 2964398.0/92

- sign 1739.263+/-0.228 χ^2/NDF: 1638902.3/47


asym_usl_reg_vs_cor_diff_mean vs Slug
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9.0/20
Left Out: 0.000+/-0.000 χ²/NDF:16.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/24
Left In: -0.000+/-0.000 χ²/NDF:28.1/22
+ sign 0.000+/-0.000 χ²/NDF: 25.7/44
All: 0.000+/-0.000 χ²/NDF: 82.8/92
- sign -0.000+/-0.000 χ²/NDF: 53.9/47

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2992031.4/20

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

Right Out: 0.000+/-0.000 χ^2/NDF: 2754902.3/24

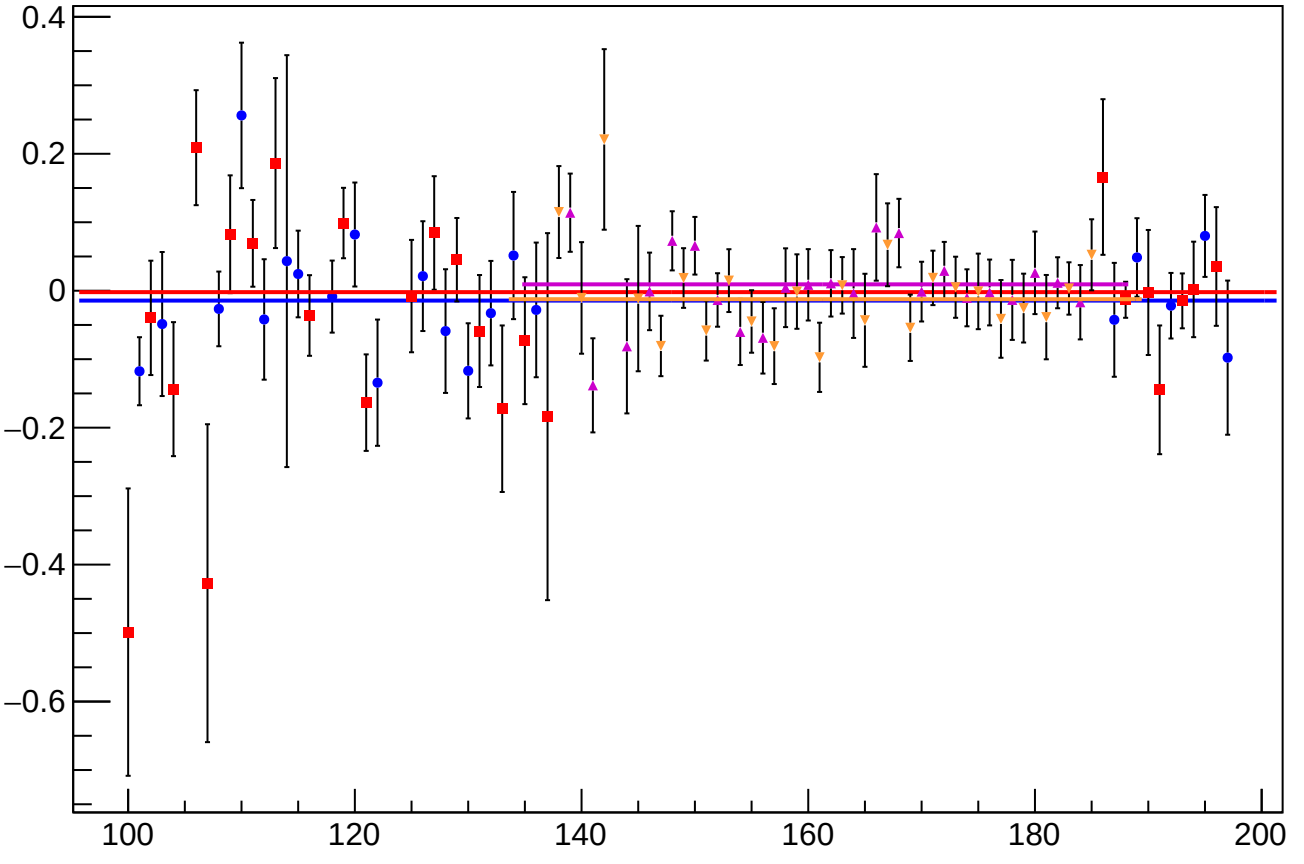
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7450033.8/44

All: 0.000+/-0.000 χ^2/NDF: 16404230.4/92

- sign 0.000+/-0.000 χ^2/NDF: 8942948.7/47

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.016 χ^2/NDF: 22.4/20

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

Right Out: -0.002+/-0.014 χ^2/NDF: 41.7/24

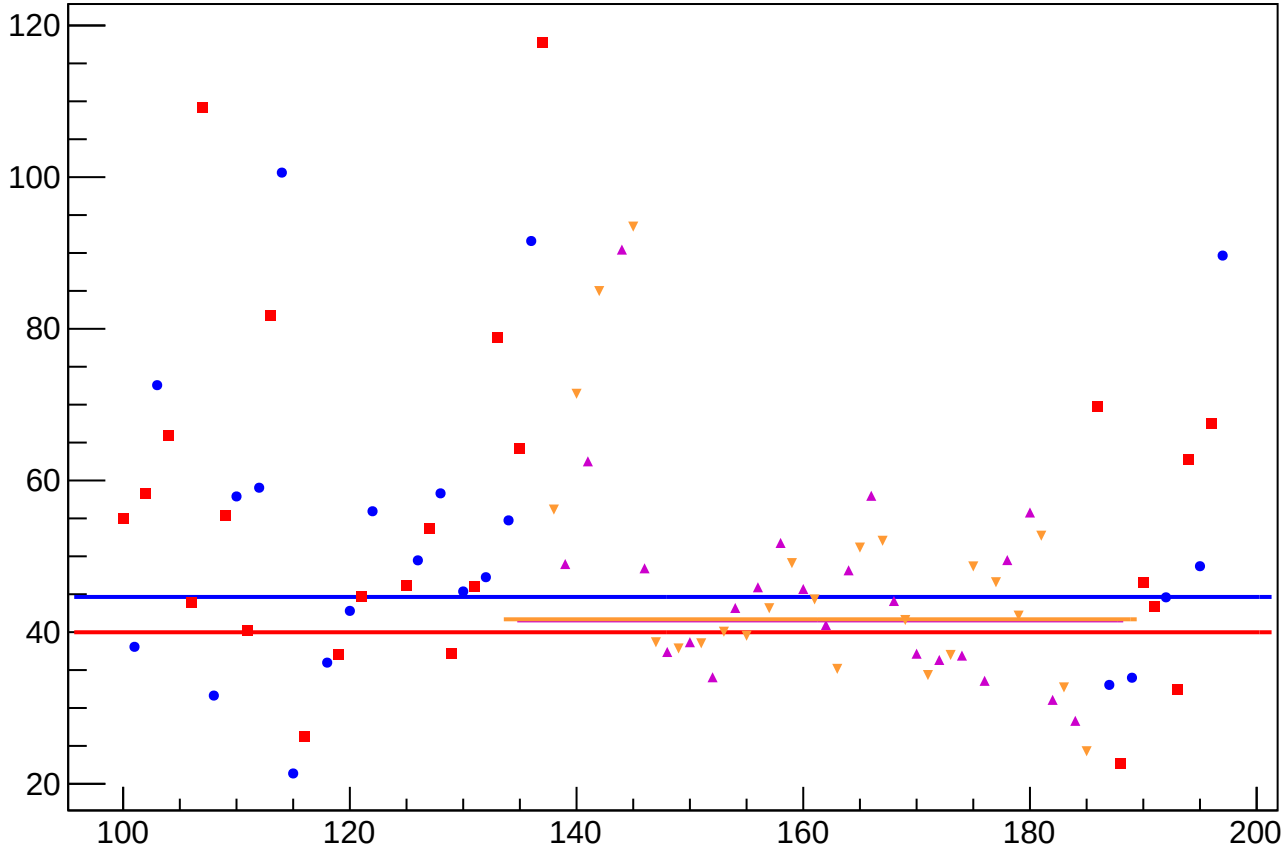
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 44.3/44

All: -0.004+/-0.006 χ^2/NDF: 110.6/92

- sign 0.005+/-0.008 χ^2/NDF: 64.0/47

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 44.643+/-0.011 χ^2/NDF: 1771583.9/20

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.986+/-0.010 χ^2/NDF: 2931803.0/24

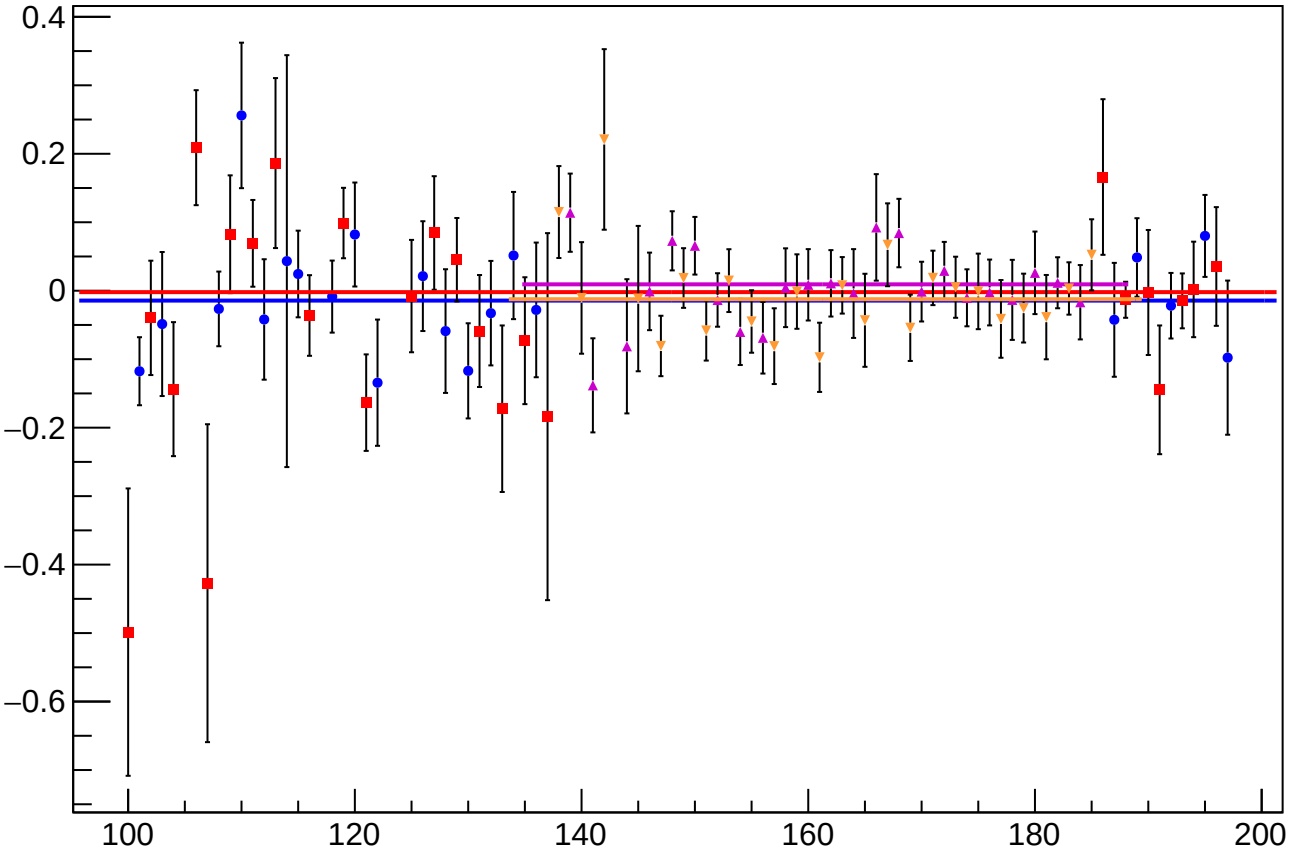
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.609+/-0.006 χ^2/NDF: 3642336.5/44

All: 41.750+/-0.004 χ^2/NDF: 8240721.4/92

- sign 40.970+/-0.006 χ^2/NDF: 4561332.0/47

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.014+/-0.016 χ^2/NDF: 22.4/20

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

Right Out: -0.002+/-0.014 χ^2/NDF: 41.7/24

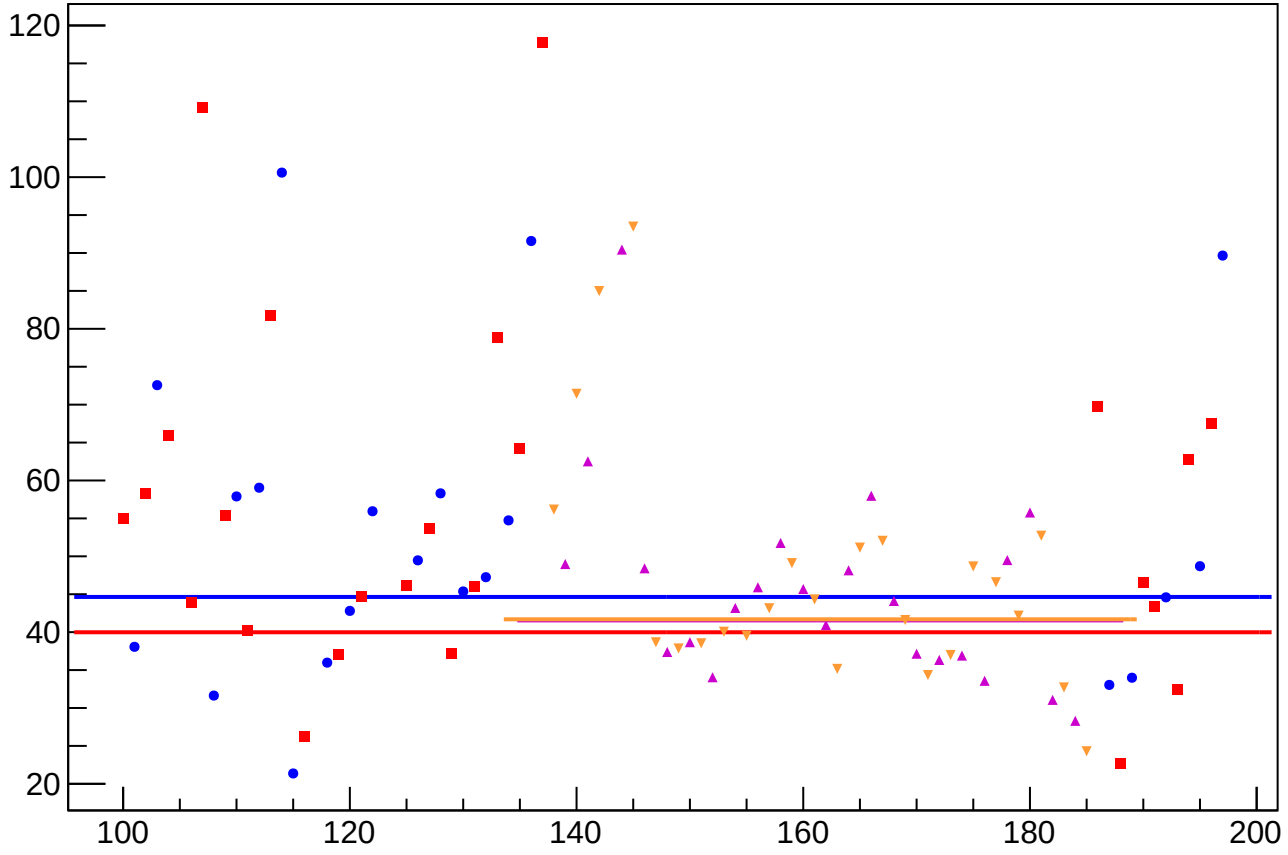
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 44.3/44

All: -0.004+/-0.006 χ^2/NDF: 110.6/92

- sign 0.005+/-0.008 χ^2/NDF: 64.0/47

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.643+/-0.011 χ^2/NDF: 1771583.9/20

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.986+/-0.010 χ^2/NDF: 2931803.0/24

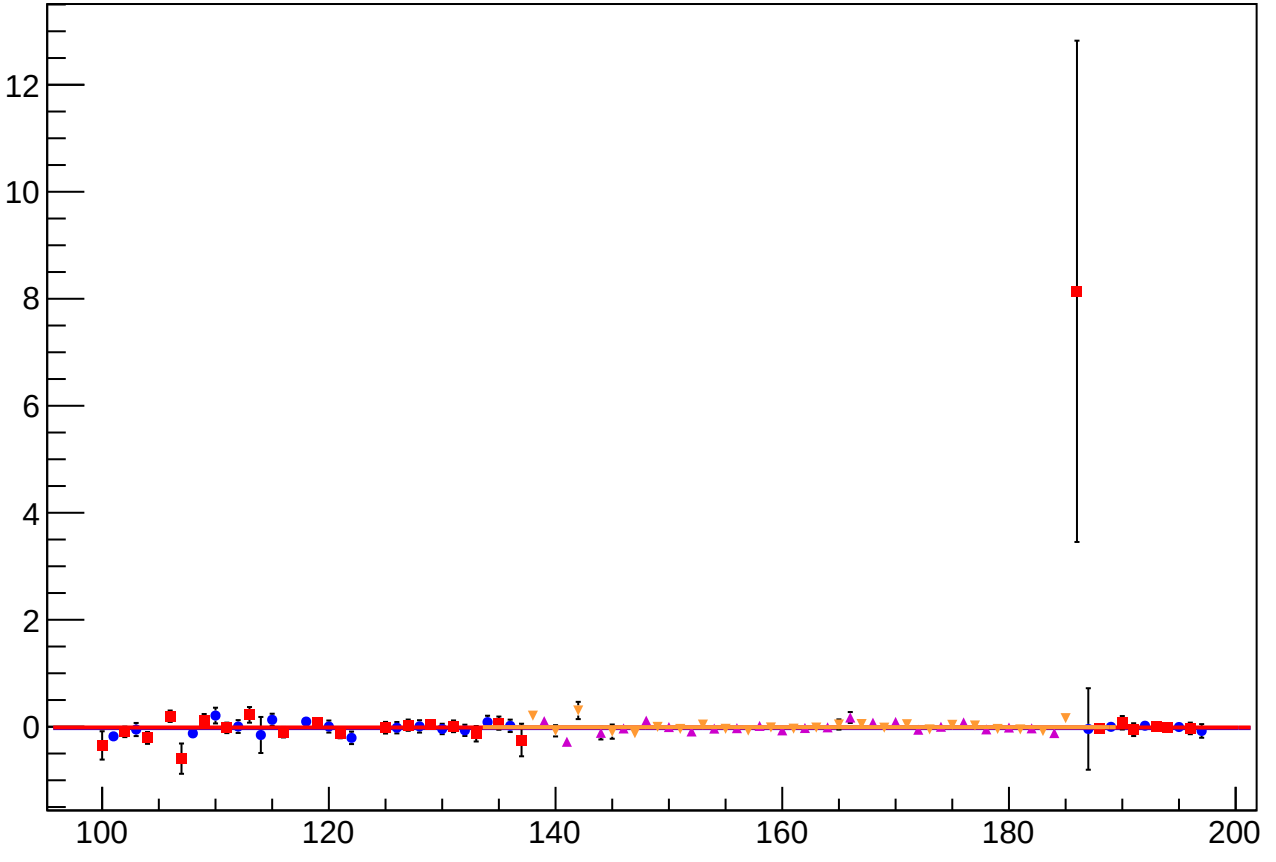
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.609+/-0.006 χ^2/NDF: 3642336.5/44

All: 41.750+/-0.004 χ^2/NDF: 8240721.4/92

- sign 40.970+/-0.006 χ^2/NDF: 4561332.0/47

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.025+/-0.022 χ^2/NDF: 18.4/20

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.013+/-0.020 χ^2/NDF: 26.9/24

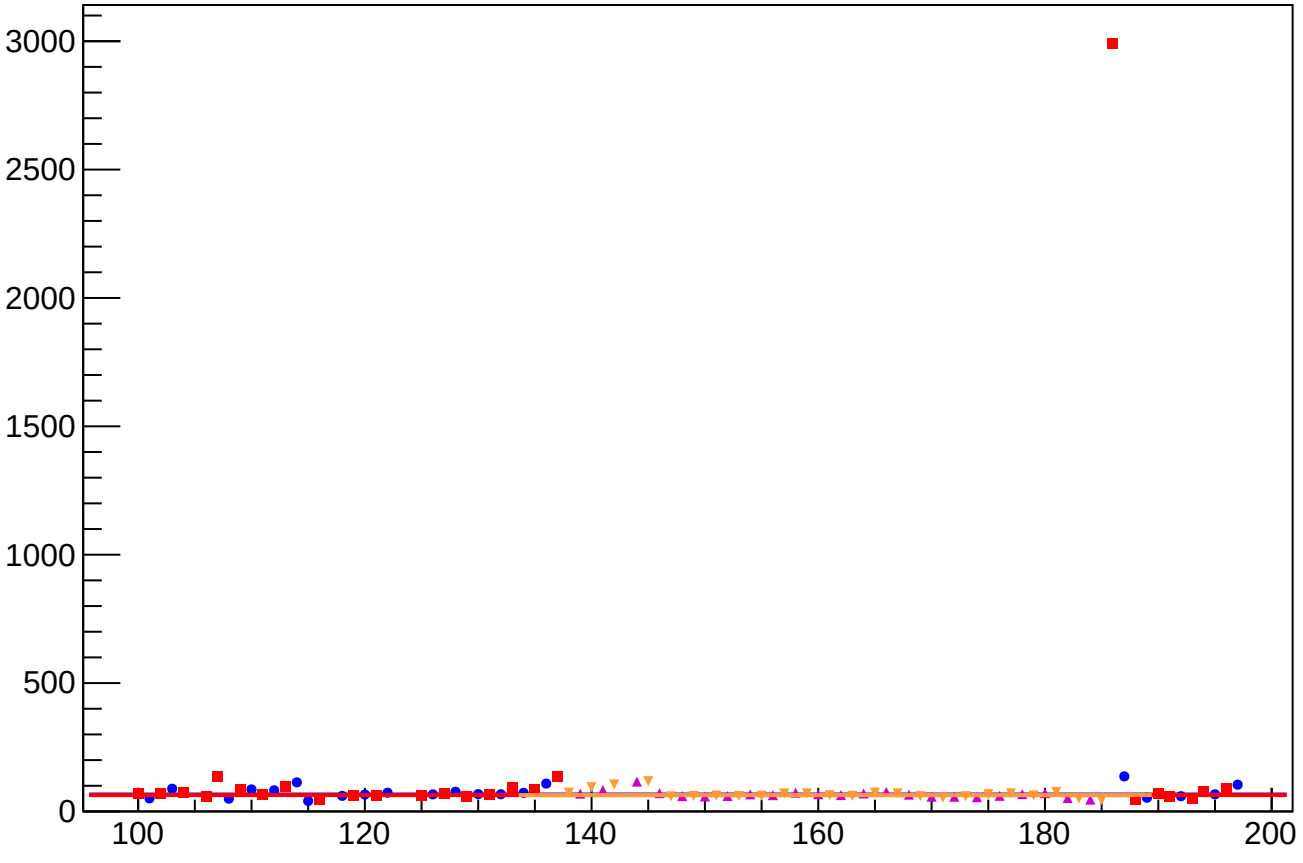
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.013+/-0.013 χ^2/NDF: 42.5/44

All: -0.011+/-0.009 χ^2/NDF: 97.6/92

- sign -0.010+/-0.012 χ^2/NDF: 55.0/47

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.905+/-0.016 χ^2/NDF: 1034400.0/20

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 63.807+/-0.014 χ^2/NDF: 1973624.7/24

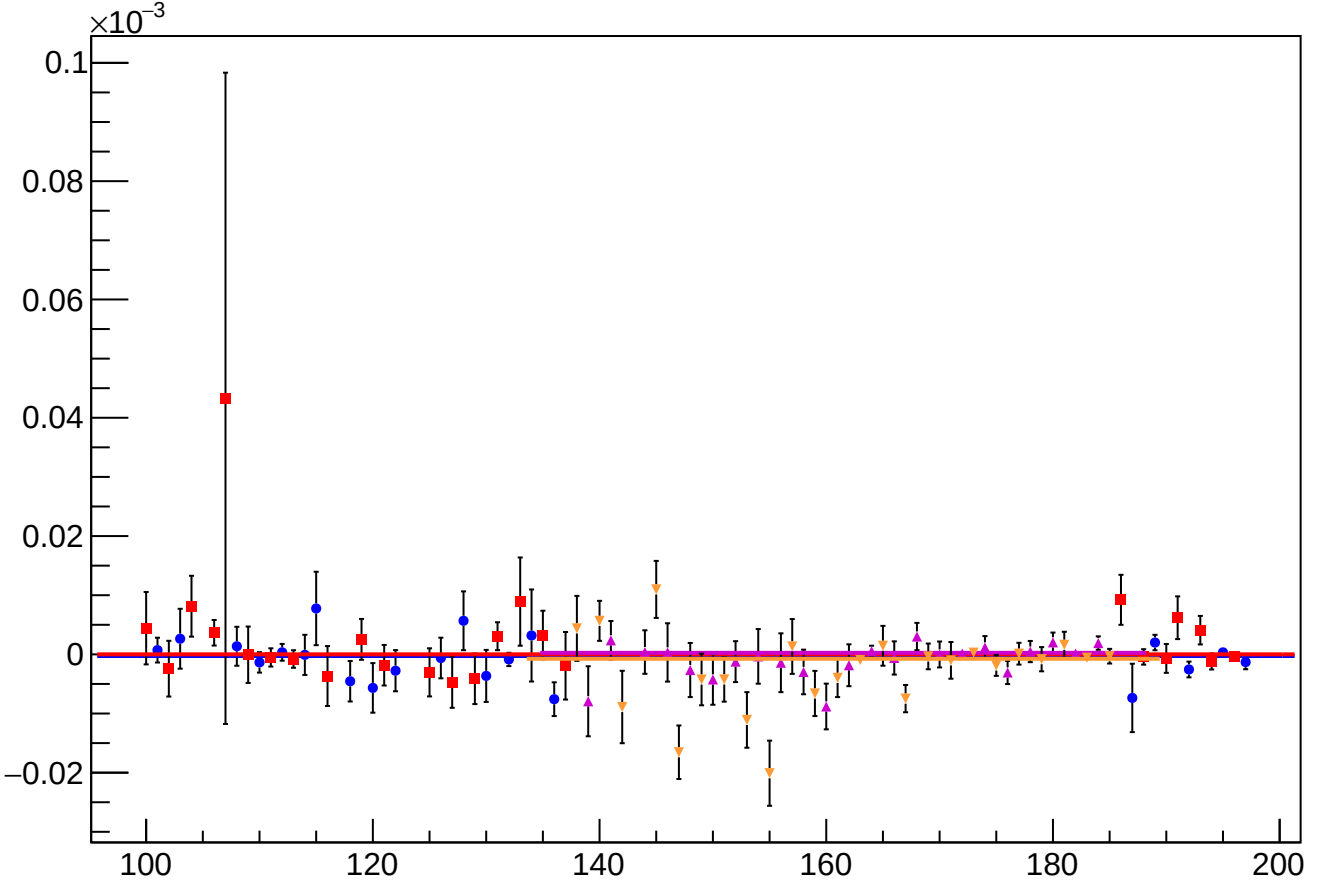
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.478+/-0.009 χ^2/NDF: 2125748.1/44

All: 64.209+/-0.006 χ^2/NDF: 4940099.2/92

- sign 63.952+/-0.009 χ^2/NDF: 2812574.7/47

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/24

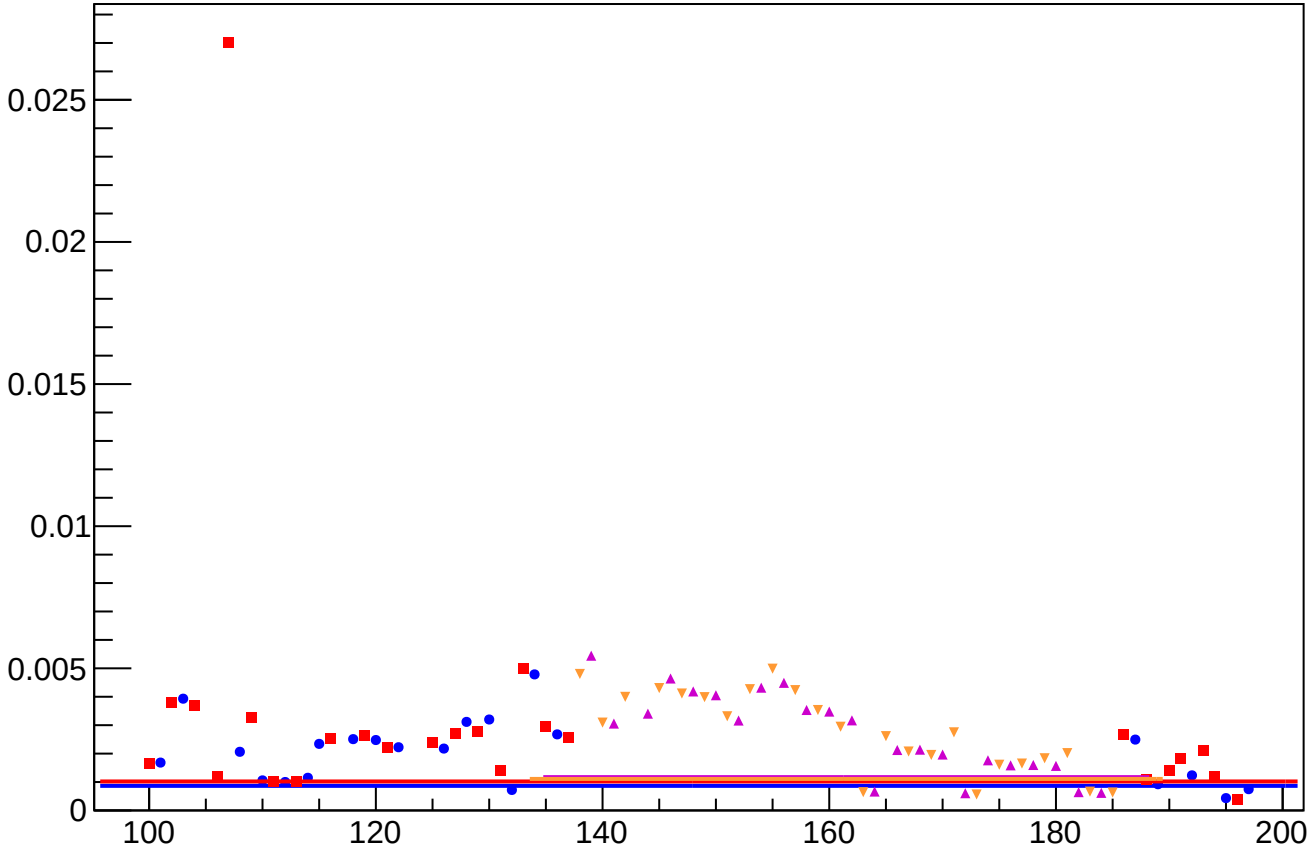
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 86.4/44

All: -0.000+/-0.000 χ^2/NDF: 135.9/92

- sign 0.000+/-0.000 χ^2/NDF: 46.2/47

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6919192.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 8233207.8/24

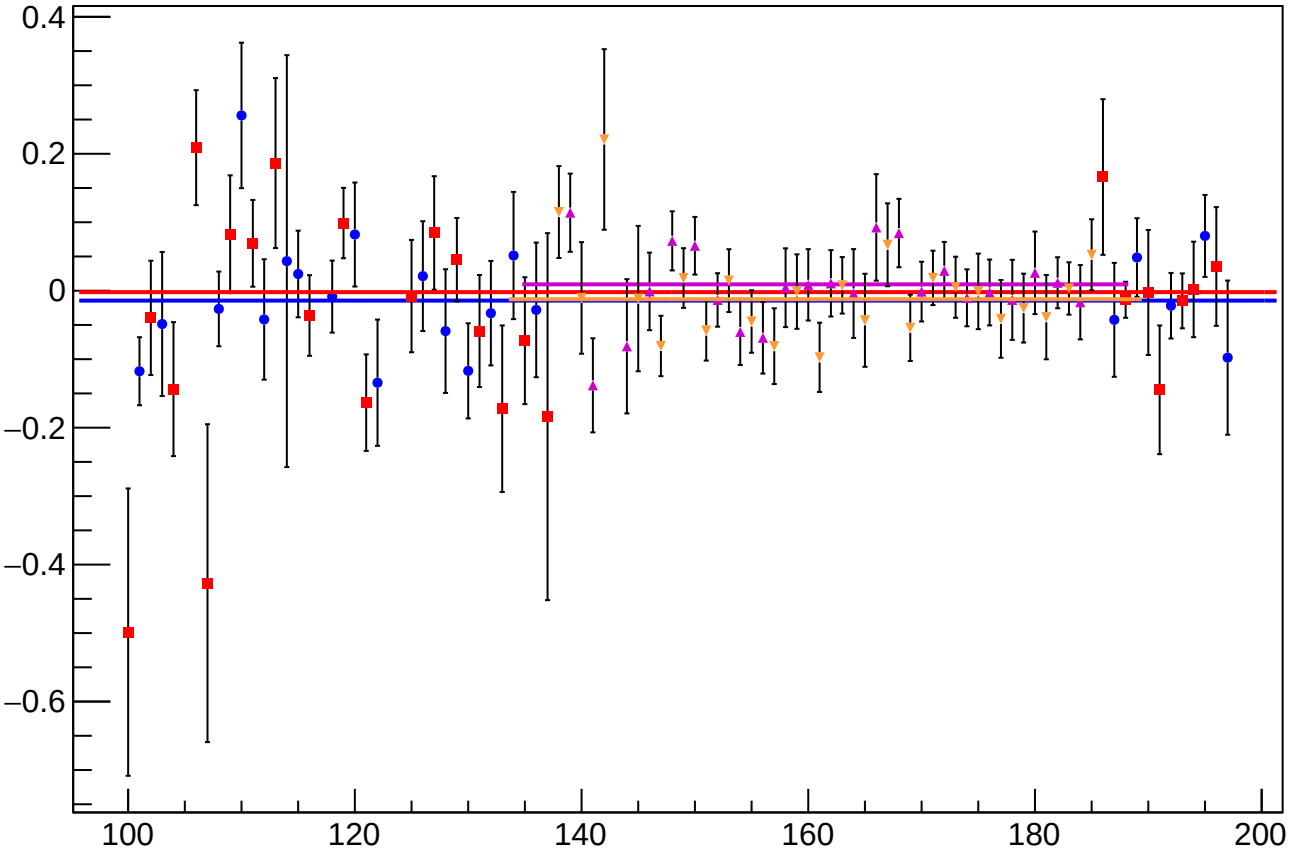
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 22582134.7/44

All: 0.001+/-0.000 χ^2/NDF: 45434242.9/92

- sign 0.001+/-0.000 χ^2/NDF: 22648894.0/47

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.016 χ^2/NDF: 22.4/20

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

Right Out: -0.002+/-0.014 χ^2/NDF: 41.7/24

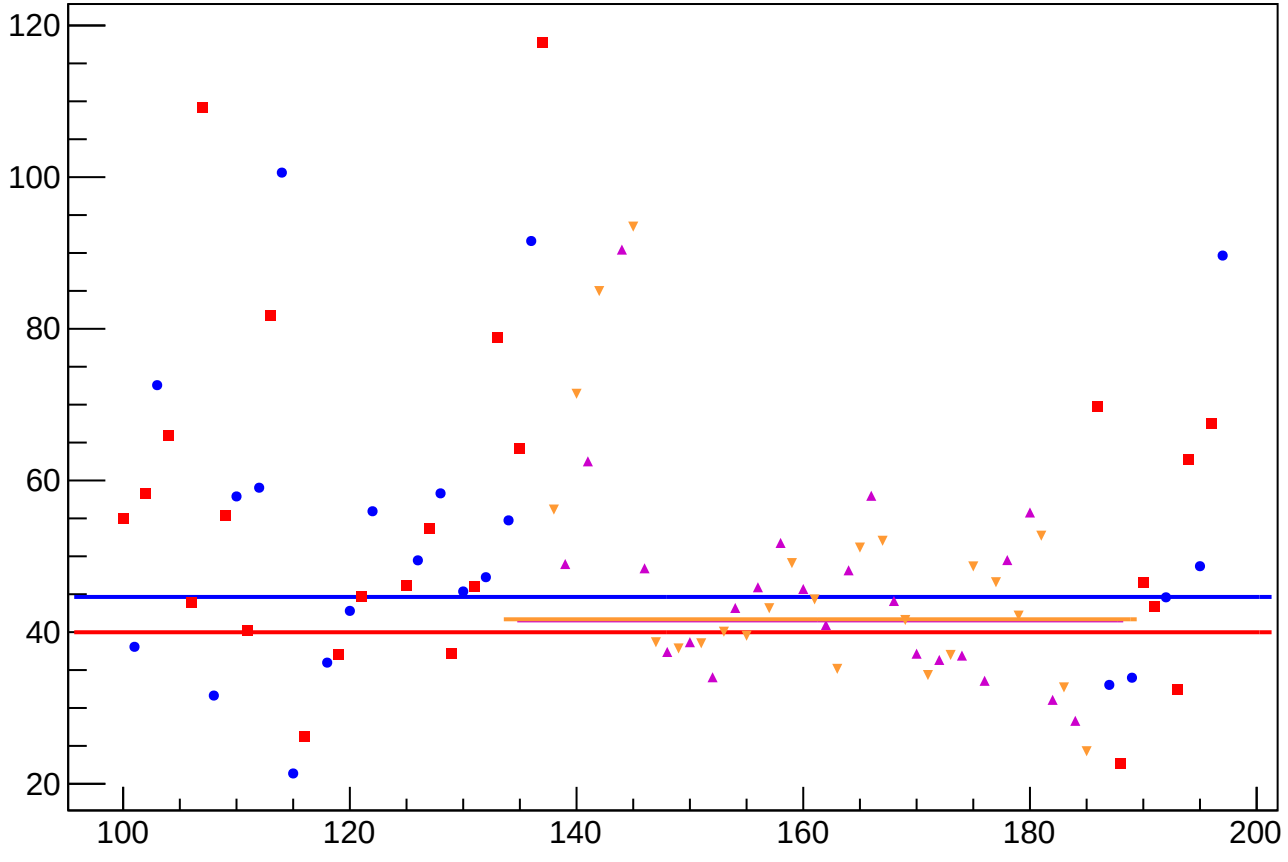
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.013+/-0.009 χ^2/NDF: 44.3/44

All: -0.004+/-0.006 χ^2/NDF: 110.6/92

- sign 0.005+/-0.008 χ^2/NDF: 64.0/47

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.642+/-0.011 χ^2/NDF: 1771655.0/20

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

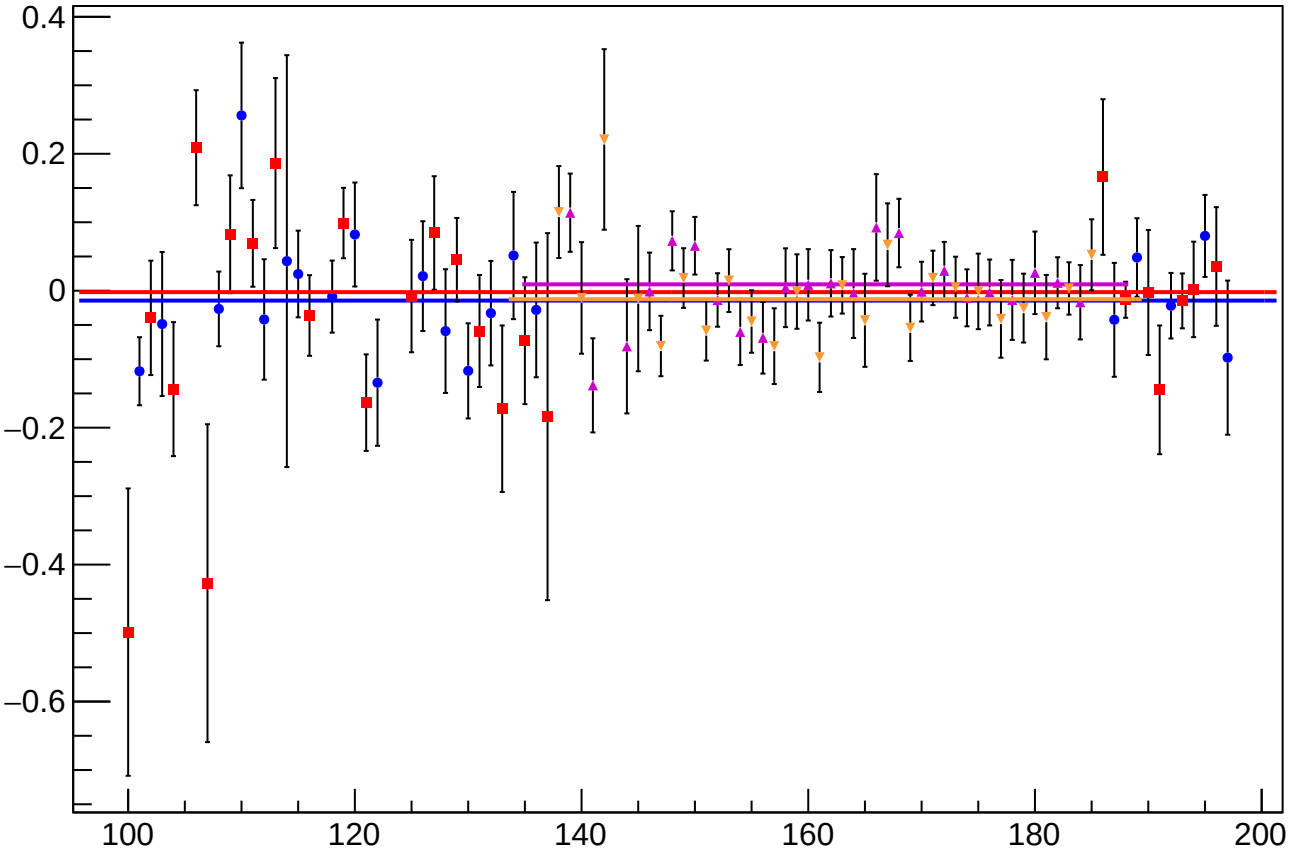
Right Out: 39.986+/-0.010 χ^2/NDF: 2931614.2/24

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

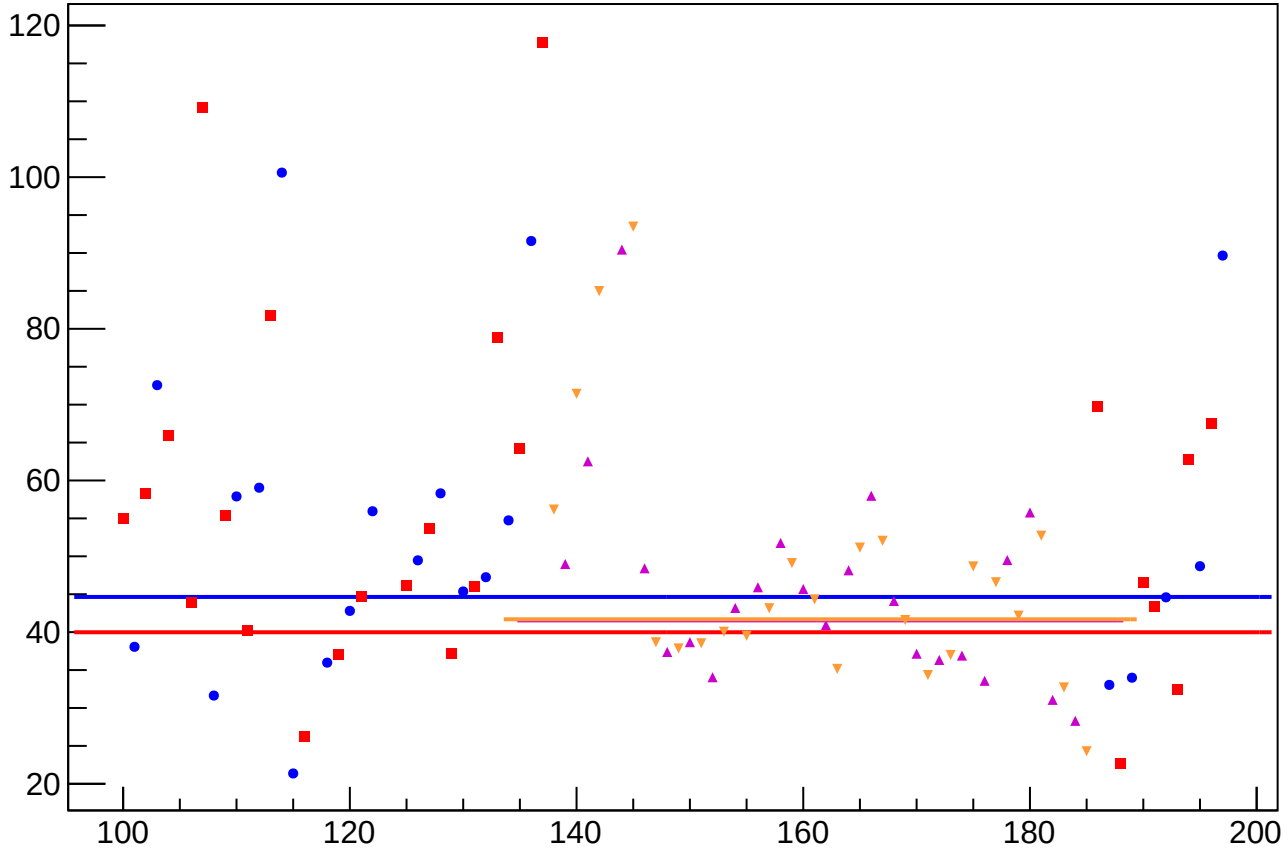
+ sign 42.609+/-0.006 χ^2/NDF: 3642346.1/44

All: 41.750+/-0.004 χ^2/NDF: 8240492.1/92

- sign 40.970+/-0.006 χ^2/NDF: 4561107.7/47


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.014+/-0.016 χ²/NDF: 22.4/20
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: -0.002+/-0.014 χ²/NDF: 41.7/24
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.013+/-0.009 χ²/NDF: 44.3/44
All: -0.004+/-0.006 χ²/NDF: 110.6/92
- sign 0.005+/-0.008 χ²/NDF: 64.0/47

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.642+/-0.011 χ^2/NDF: 1771655.0/20

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

Right Out: 39.986+/-0.010 χ^2/NDF: 2931614.2/24

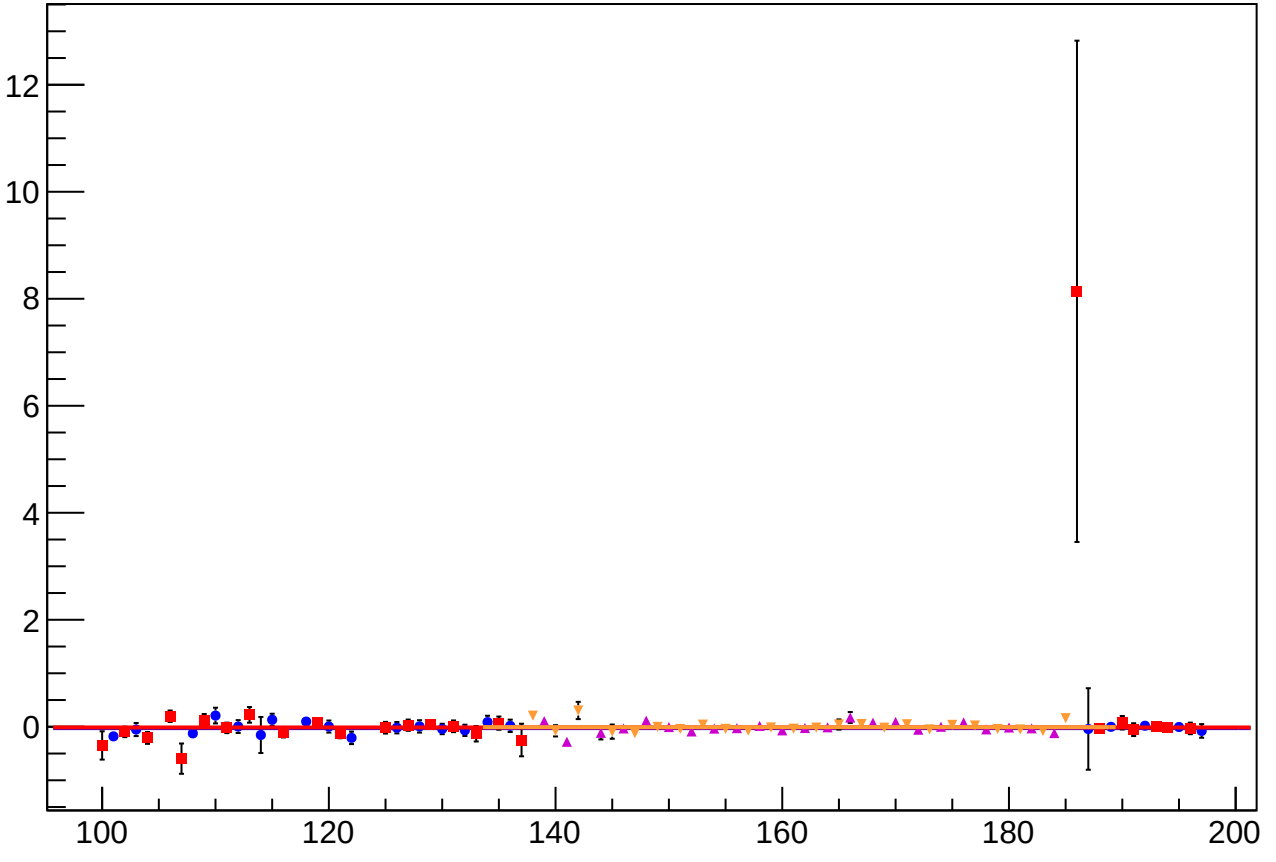
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.609+/-0.006 χ^2/NDF: 3642346.1/44

All: 41.750+/-0.004 χ^2/NDF: 8240492.1/92

- sign 40.970+/-0.006 χ^2/NDF: 4561107.7/47

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.025+/-0.022 χ^2/NDF: 18.4/20

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.013+/-0.020 χ^2/NDF: 26.8/24

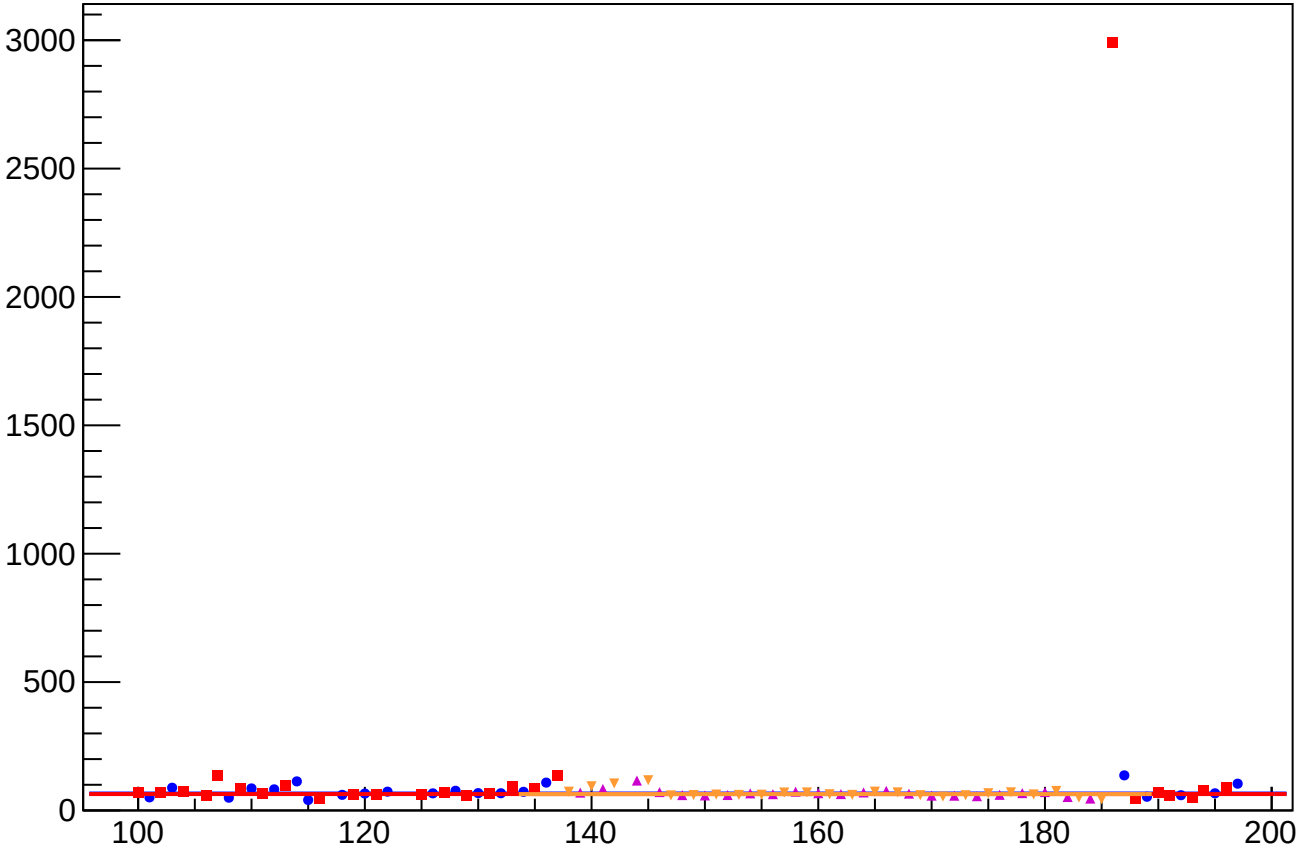
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.013+/-0.013 χ^2/NDF: 42.5/44

All: -0.011+/-0.009 χ^2/NDF: 97.6/92

- sign -0.010+/-0.012 χ^2/NDF: 55.0/47

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.905+/-0.016 χ^2/NDF: 1034412.4/20

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 63.806+/-0.014 χ^2/NDF: 1973599.1/24

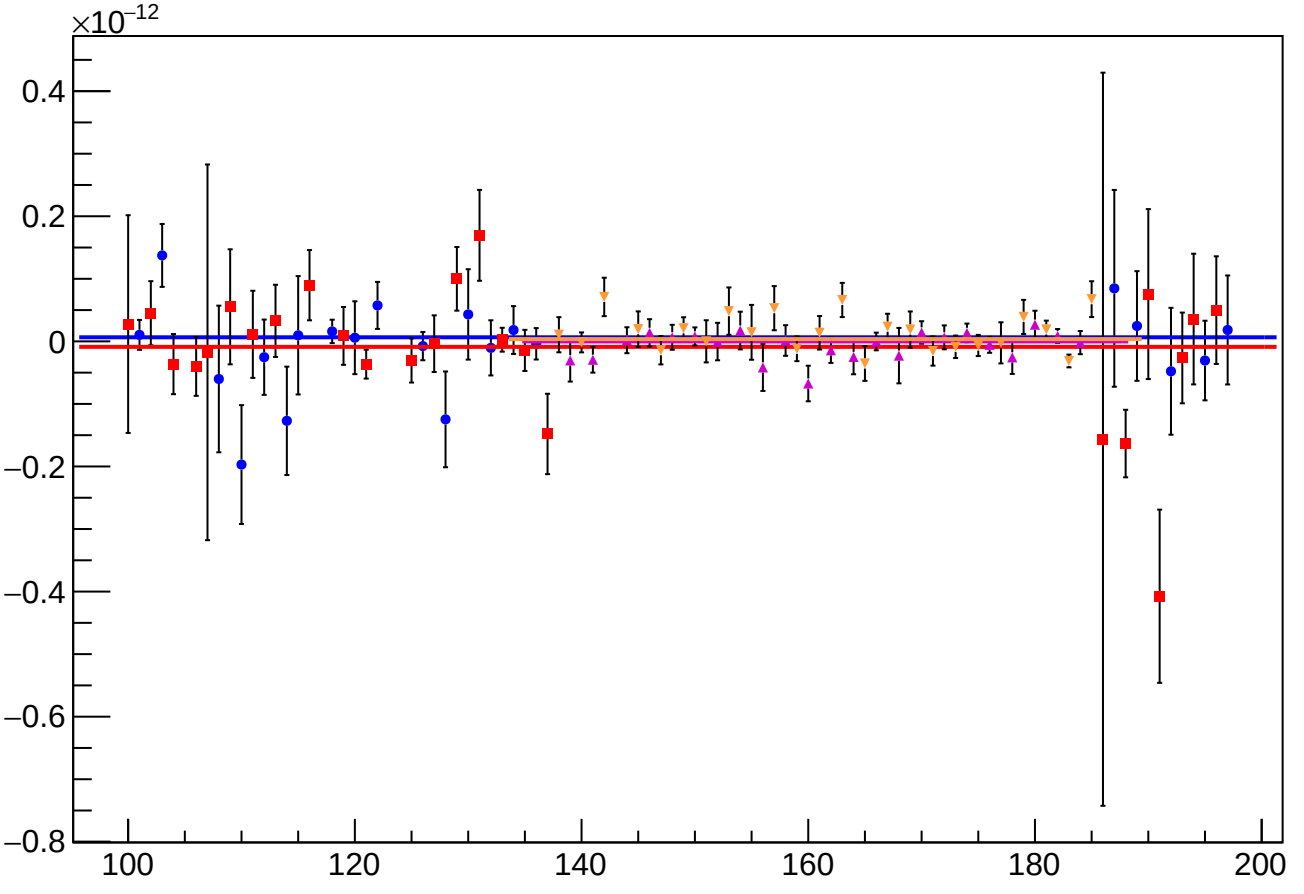
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.478+/-0.009 χ^2/NDF: 2125742.9/44

All: 64.209+/-0.006 χ^2/NDF: 4940064.4/92

- sign 63.952+/-0.009 χ^2/NDF: 2812545.1/47

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 41.4/24

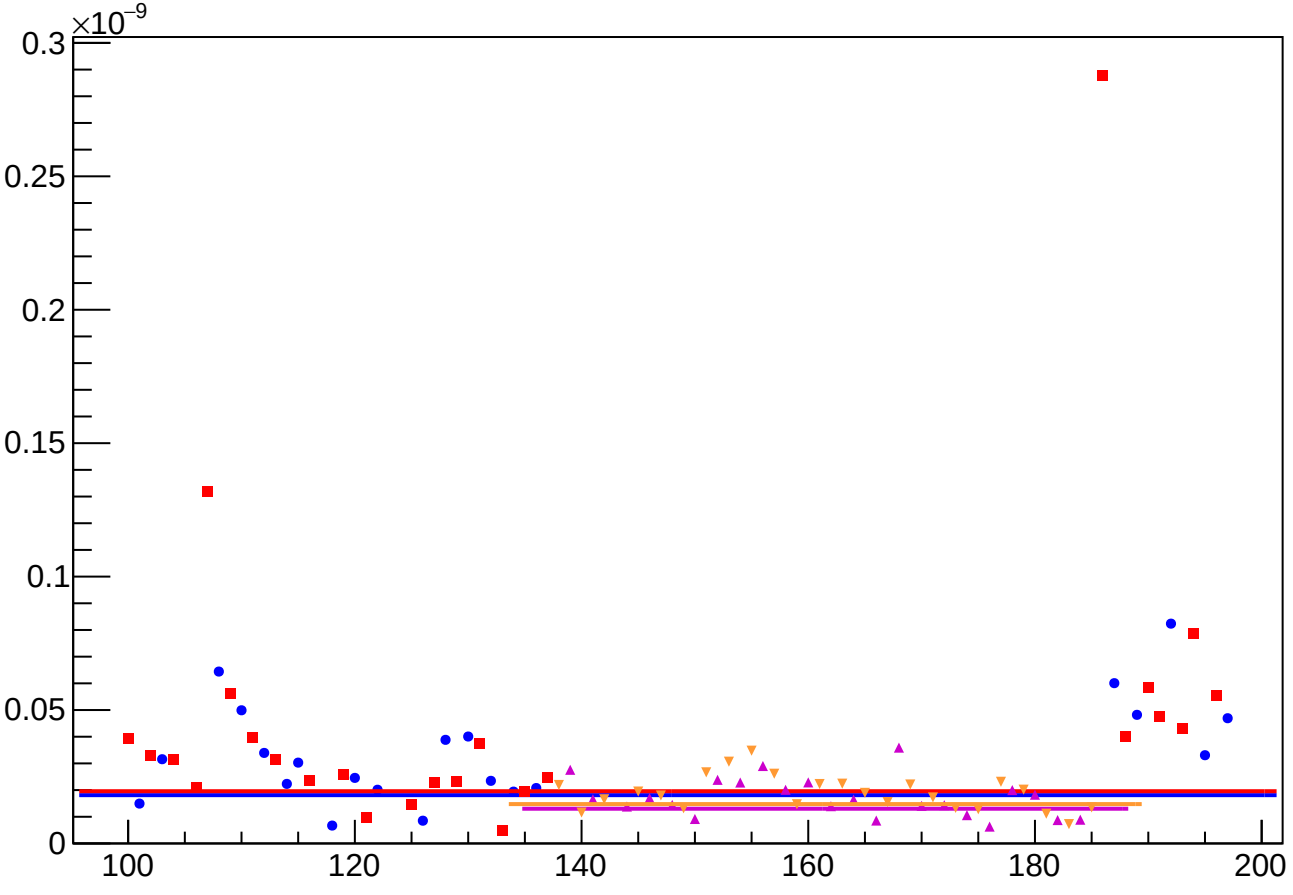
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.1/44

All: 0.000+/-0.000 χ^2/NDF: 122.3/92

- sign -0.000+/-0.000 χ^2/NDF: 59.2/47

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3920443.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5063046.0/24

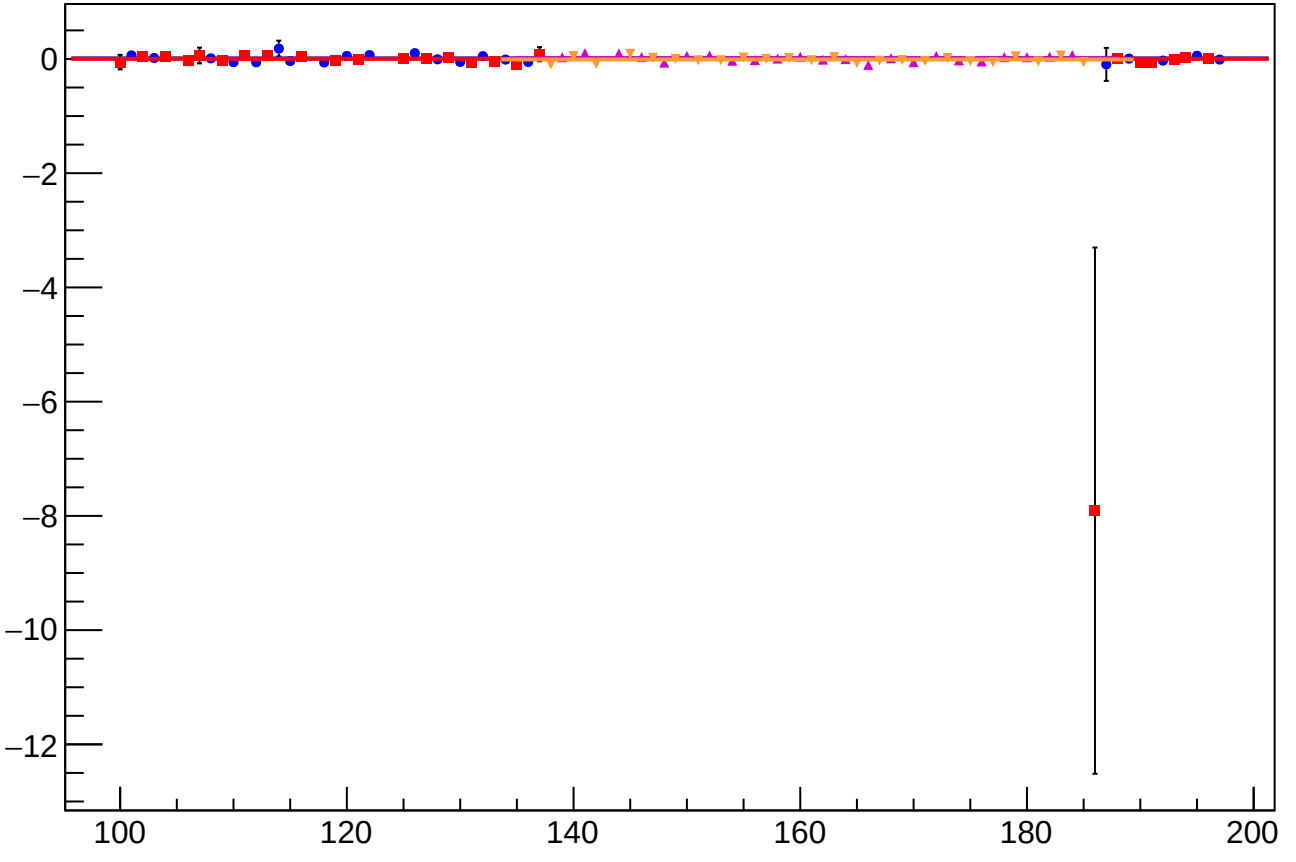
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7677502.0/44

All: 0.000+/-0.000 χ^2/NDF: 17611144.3/92

- sign 0.000+/-0.000 χ^2/NDF: 9806867.3/47

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.011 χ^2/NDF: 18.1/20

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.004+/-0.010 χ^2/NDF: 16.0/24

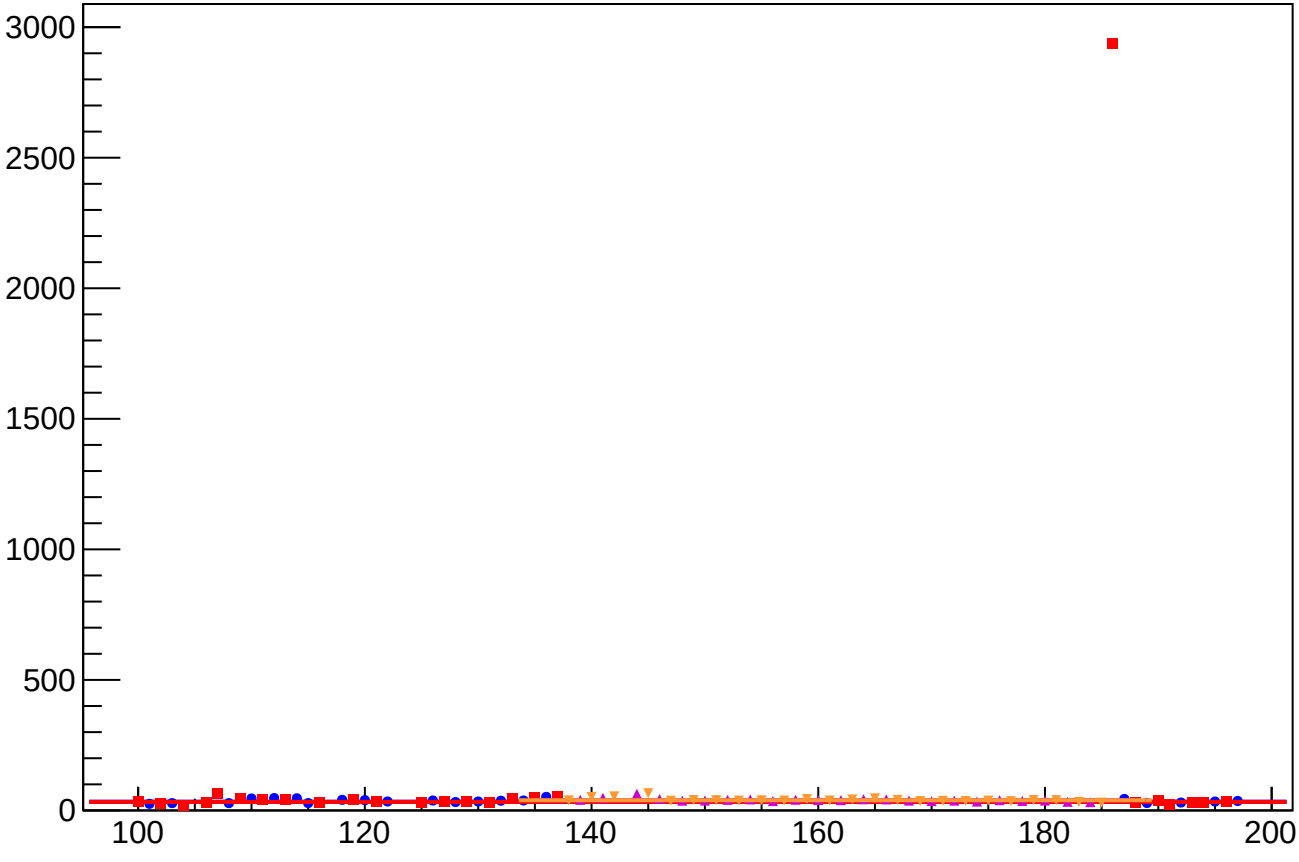
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.002+/-0.007 χ^2/NDF: 39.1/44

All: 0.003+/-0.005 χ^2/NDF: 79.6/92

- sign 0.008+/-0.007 χ^2/NDF: 39.5/47

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 33.610+/-0.008 χ^2/NDF: 698369.4/20

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.682+/-0.007 χ^2/NDF: 1805432.0/24

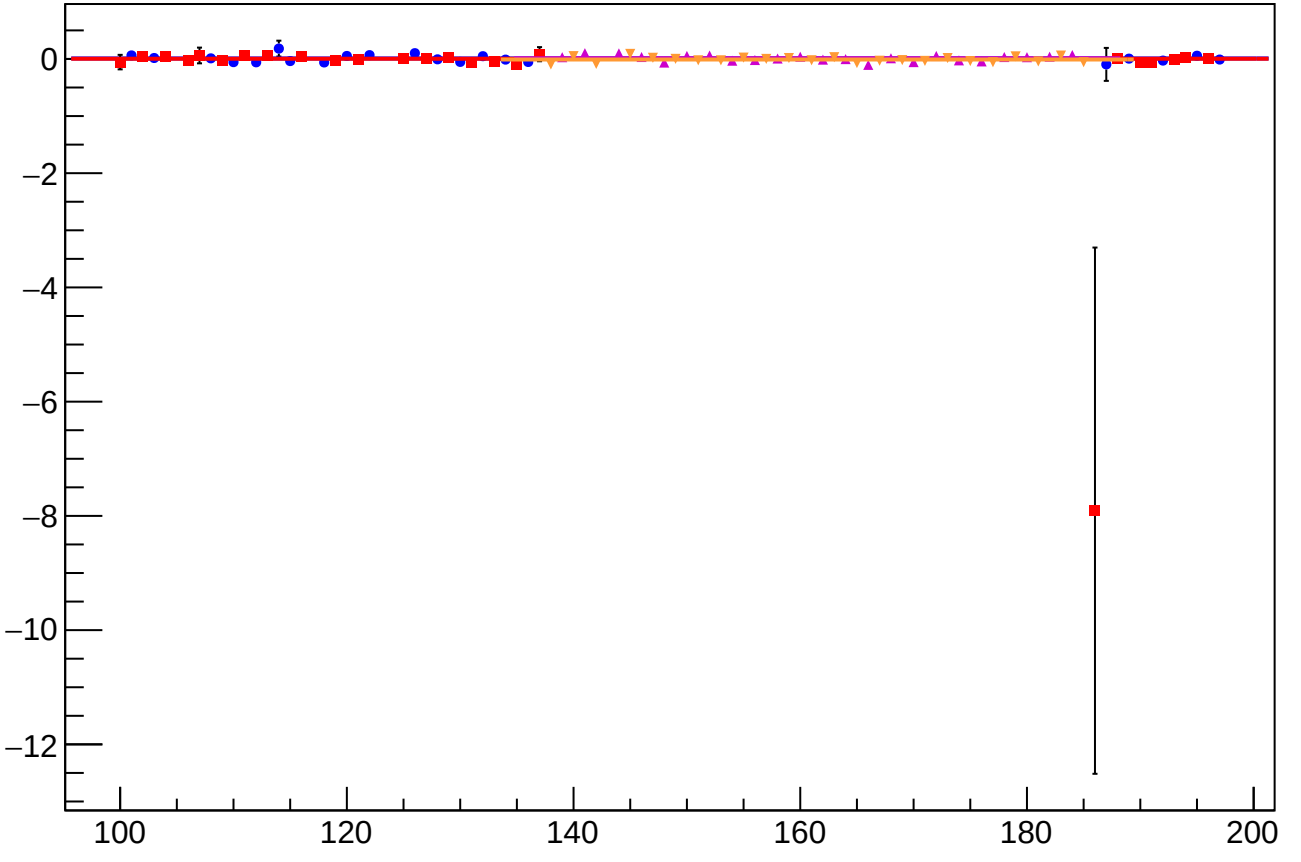
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 36.709+/-0.005 χ^2/NDF: 1593830.3/44

All: 36.450+/-0.004 χ^2/NDF: 4349261.6/92

- sign 36.202+/-0.005 χ^2/NDF: 2750356.8/47

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.011 χ^2/NDF: 18.1/20

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.004+/-0.010 χ^2/NDF: 16.0/24

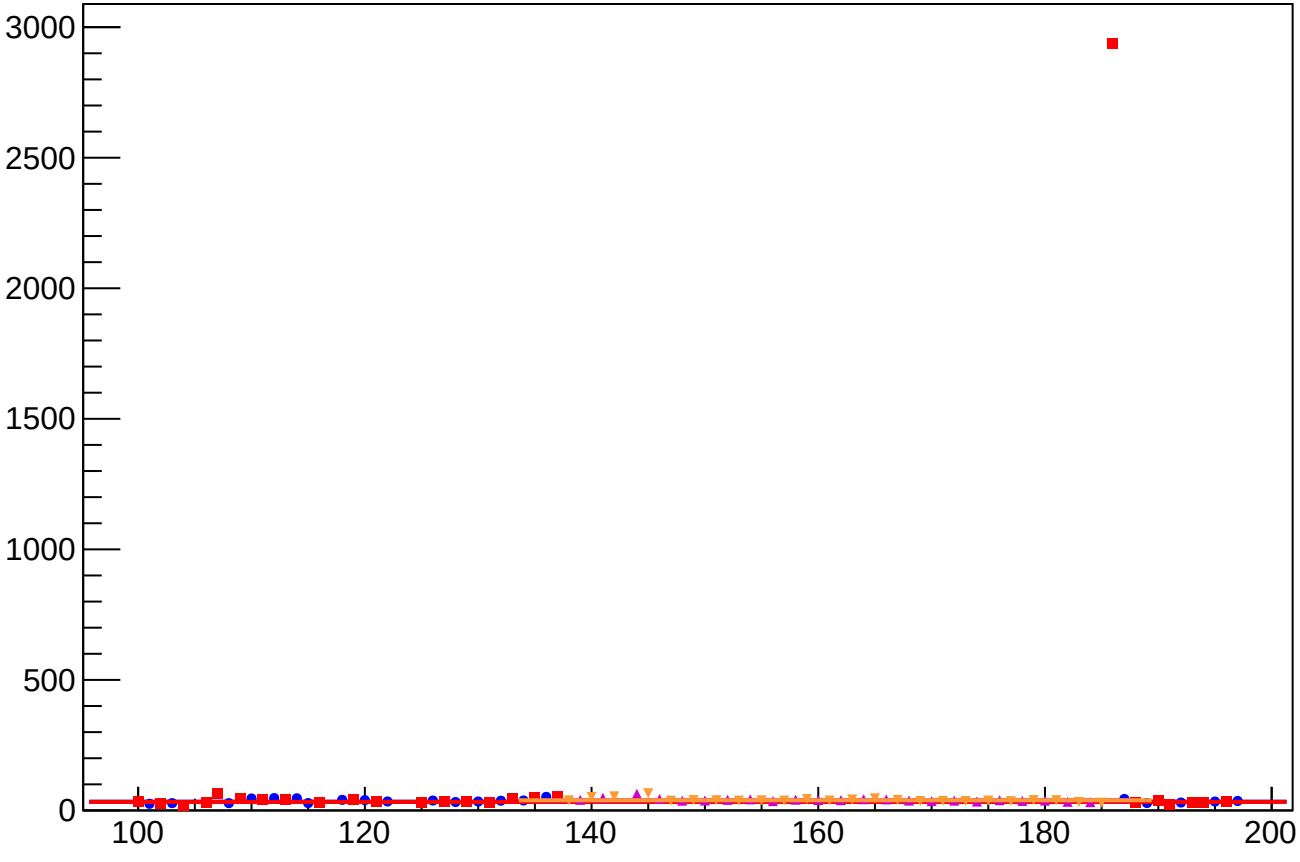
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.002+/-0.007 χ^2/NDF: 39.1/44

All: 0.003+/-0.005 χ^2/NDF: 79.6/92

- sign 0.008+/-0.007 χ^2/NDF: 39.5/47

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 33.610+/-0.008 χ^2/NDF: 698369.4/20

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

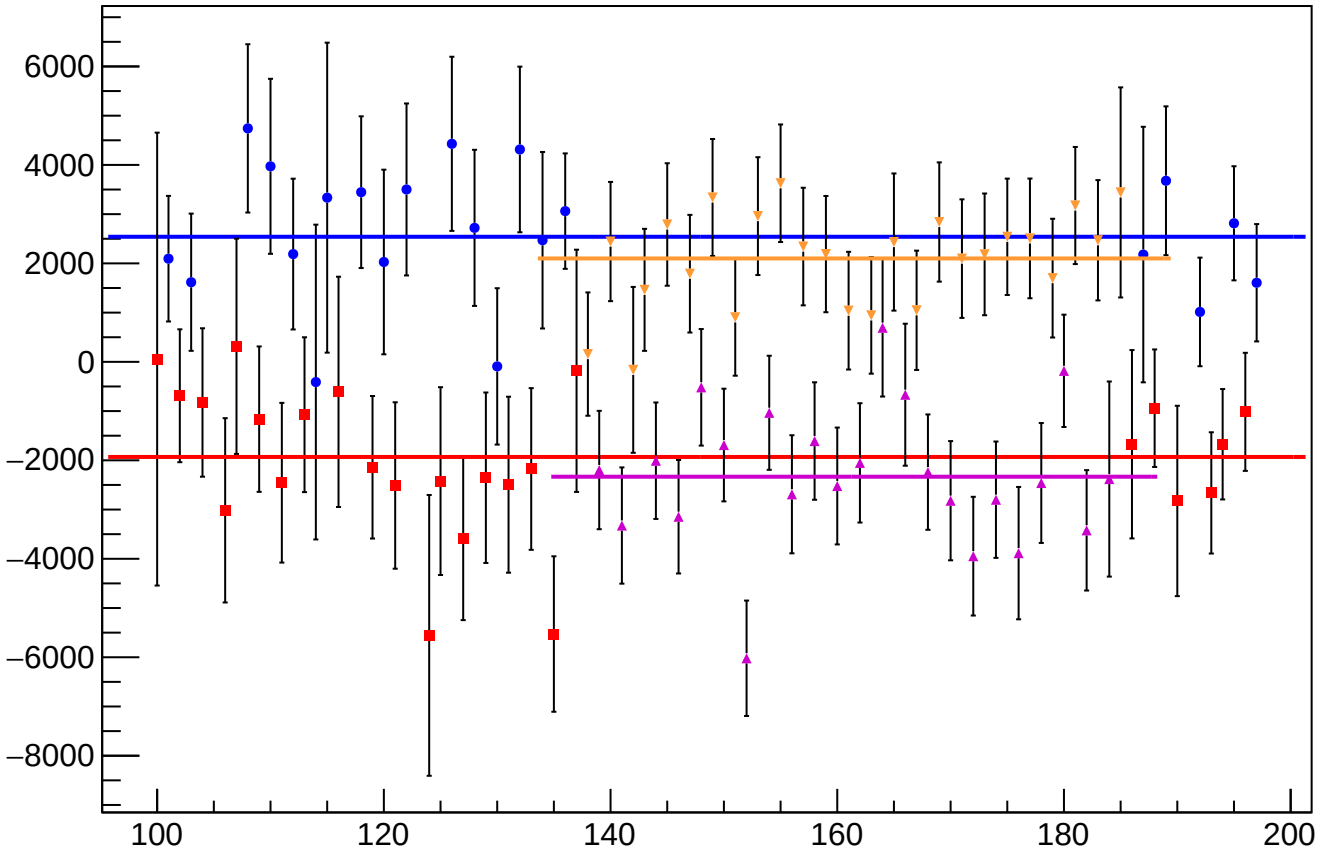
Right Out: 32.682+/-0.007 χ^2/NDF: 1805432.0/24

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

+ sign 36.709+/-0.005 χ^2/NDF: 1593830.3/44

All: 36.450+/-0.004 χ^2/NDF: 4349261.6/92

- sign 36.202+/-0.005 χ^2/NDF: 2750356.8/47



Right In: 2540.681+/-336.895 χ^2/NDF: 12.9/20

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1931.642+/-323.982 χ^2/NDF: 14.6/24

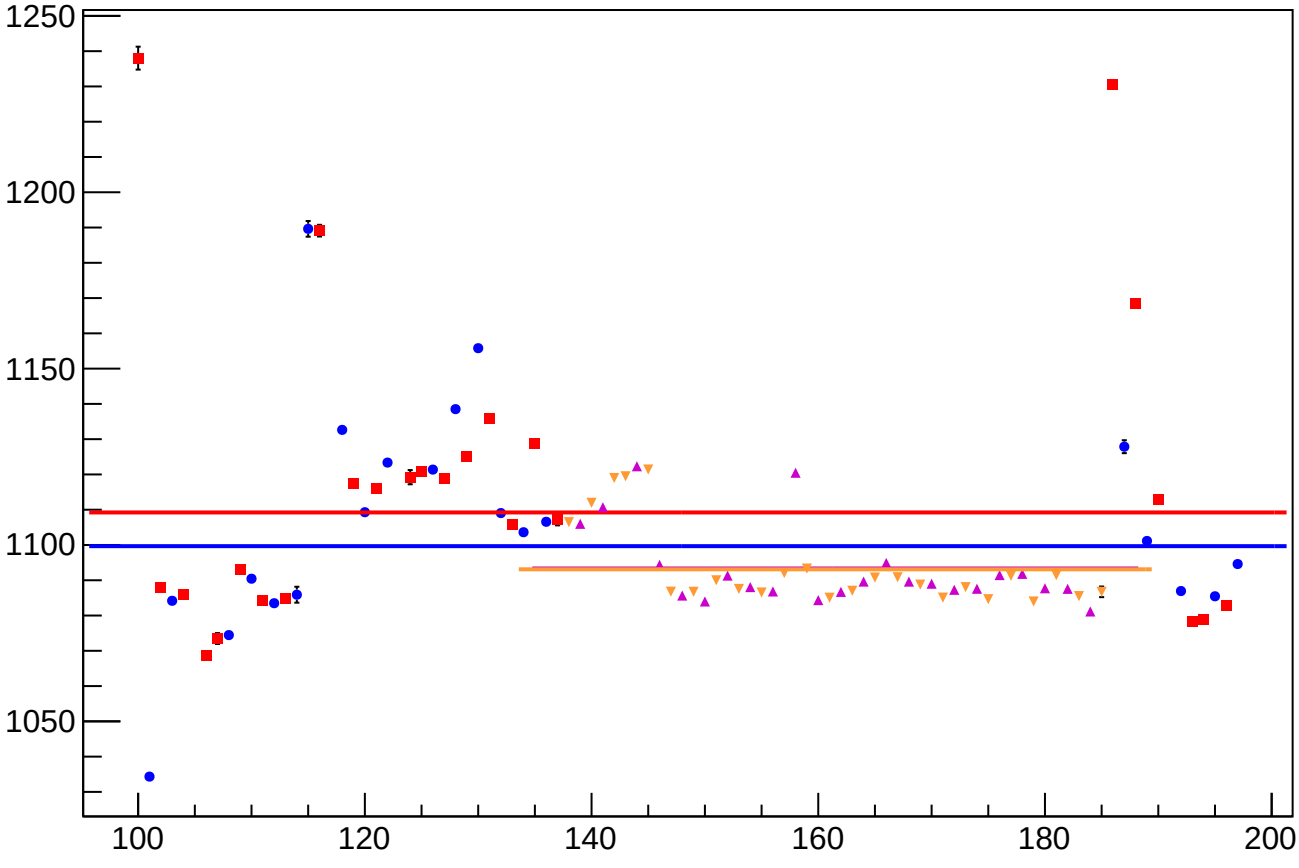
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2255.382+/-199.881 χ^2/NDF: 27.9/45

All: 45.107+/-141.561 χ^2/NDF: 318.2/93

- sign -2179.232+/-200.516 χ^2/NDF: 45.0/47

reg_asym_usr_rms vs Slug



Right In: 1099.666+/-0.238 χ^2/NDF: 14196.1/20

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1109.225+/-0.229 χ^2/NDF: 25405.1/24

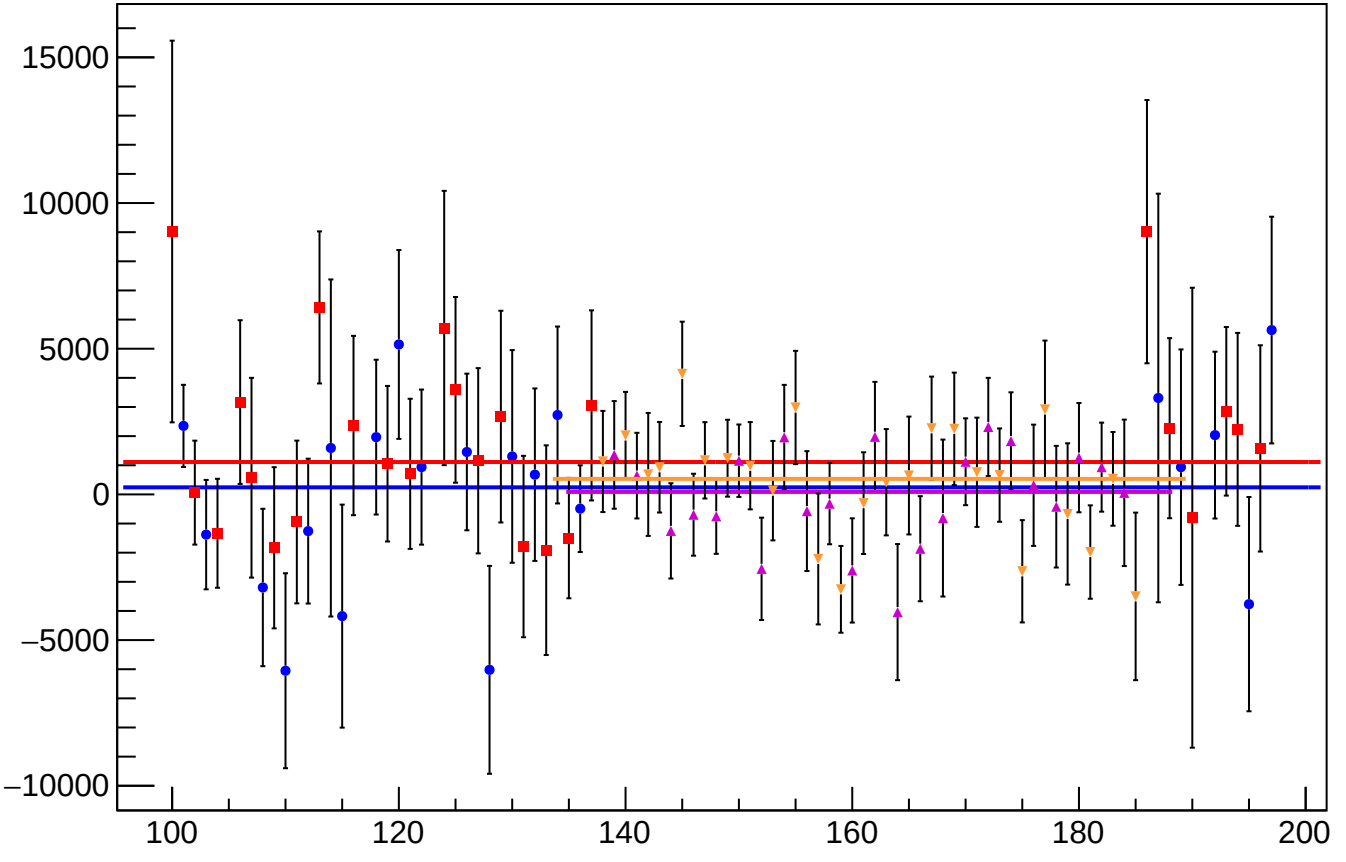
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.413+/-0.141 χ^2/NDF: 18671.2/45

All: 1097.412+/-0.100 χ^2/NDF: 51170.3/93

- sign 1099.424+/-0.142 χ^2/NDF: 32097.7/47

asym_usr_reg_correction_mean vs Slug



Right In: 242.534+/-581.125 χ^2/NDF: 20.7/20

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1111.955+/-584.706 χ^2/NDF: 19.1/24

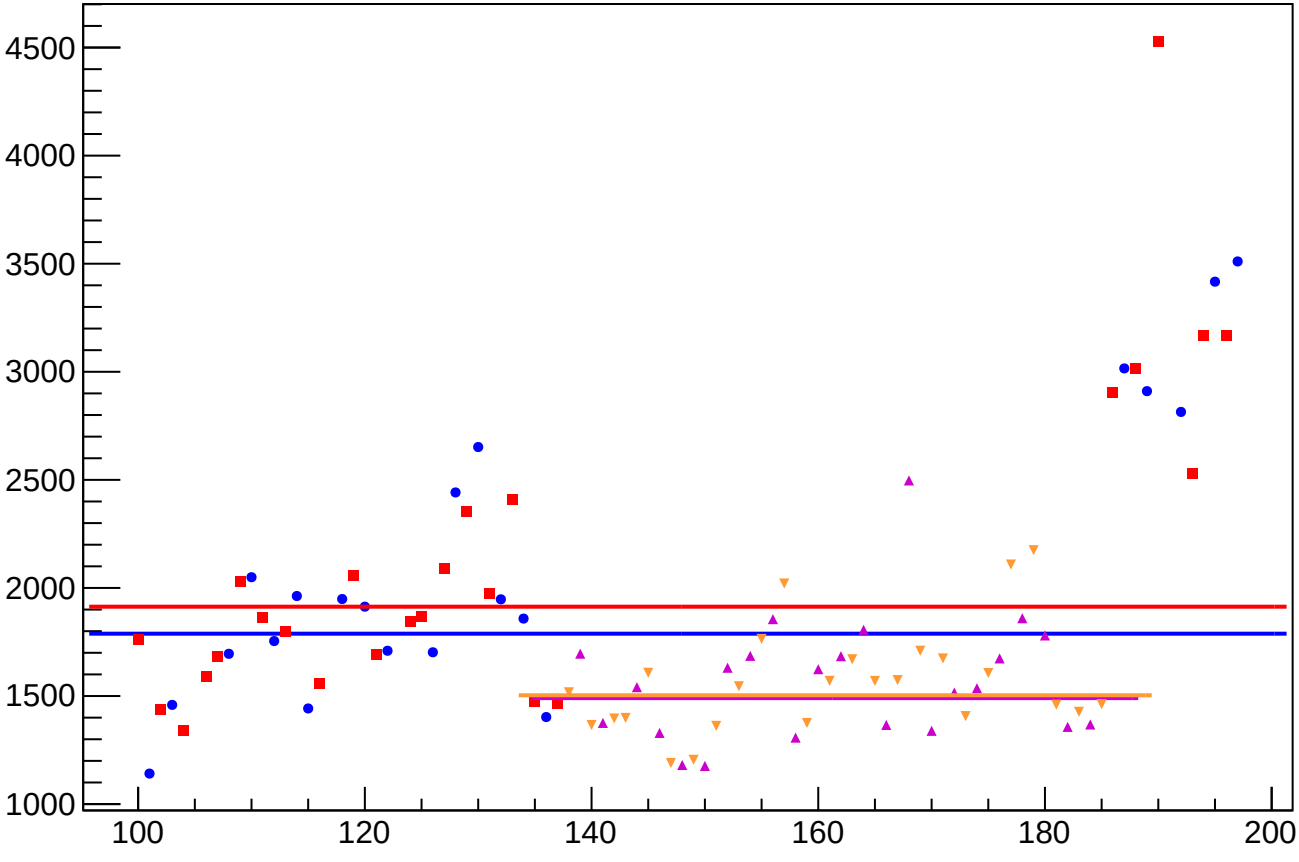
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 456.570+/-298.069 χ^2/NDF: 47.3/45

All: 409.349+/-212.414 χ^2/NDF: 86.8/93

- sign 360.624+/-302.783 χ^2/NDF: 39.4/47

asym_usr_reg_correction_rms vs Slug



Right In: 1788.415+/-0.411 χ^2/NDF: 2107002.7/20

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

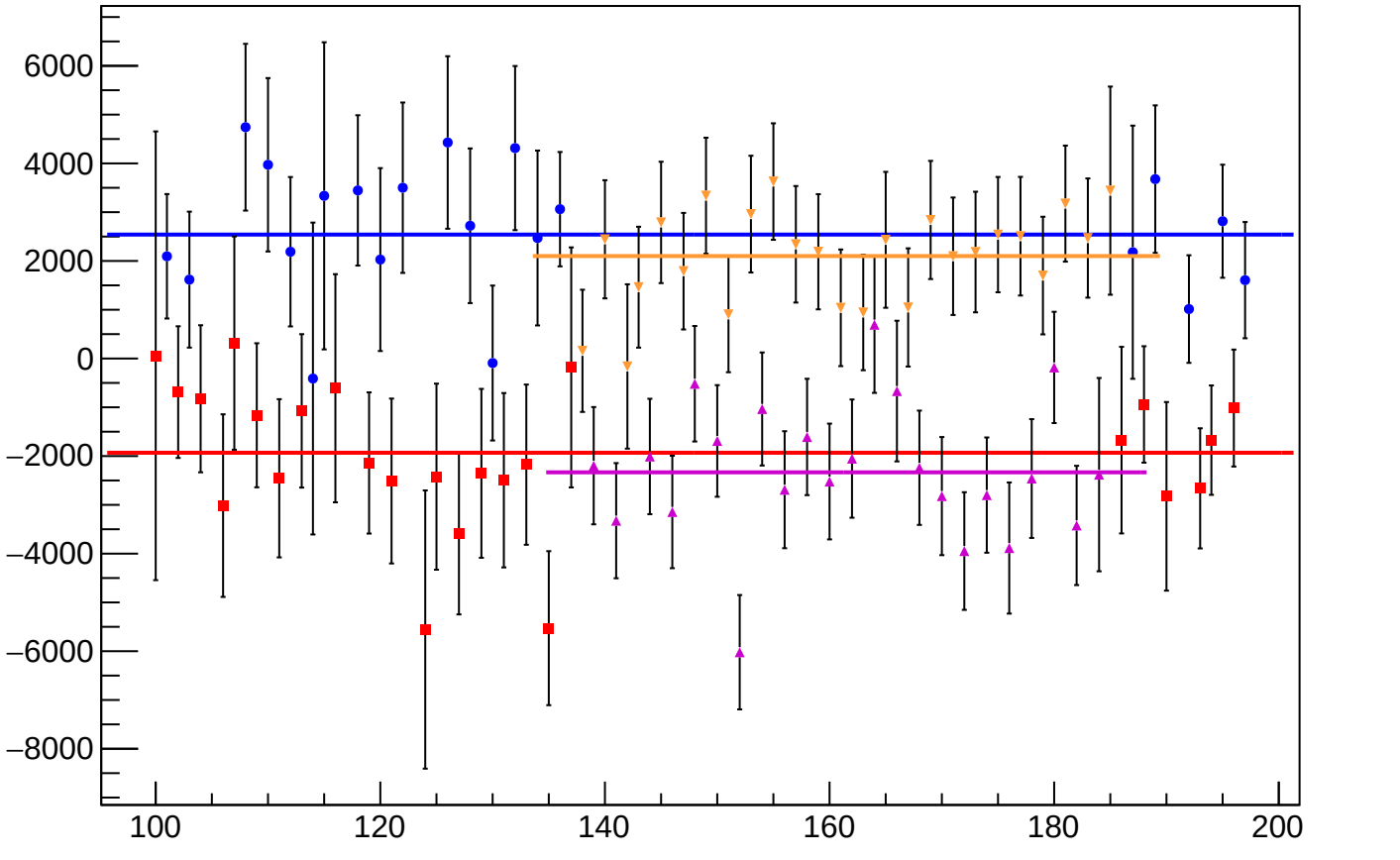
Right Out: 1913.315+/-0.413 χ^2/NDF: 1825740.4/24

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

+ sign 1578.410+/-0.211 χ^2/NDF: 3261104.6/45

All: 1590.878+/-0.150 χ^2/NDF: 6828221.8/93

- sign 1603.744+/-0.214 χ^2/NDF: 3560006.7/47



Right In: 2540.681+/-336.895 χ^2/NDF: 12.9/20

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1931.642+/-323.982 χ^2/NDF: 14.6/24

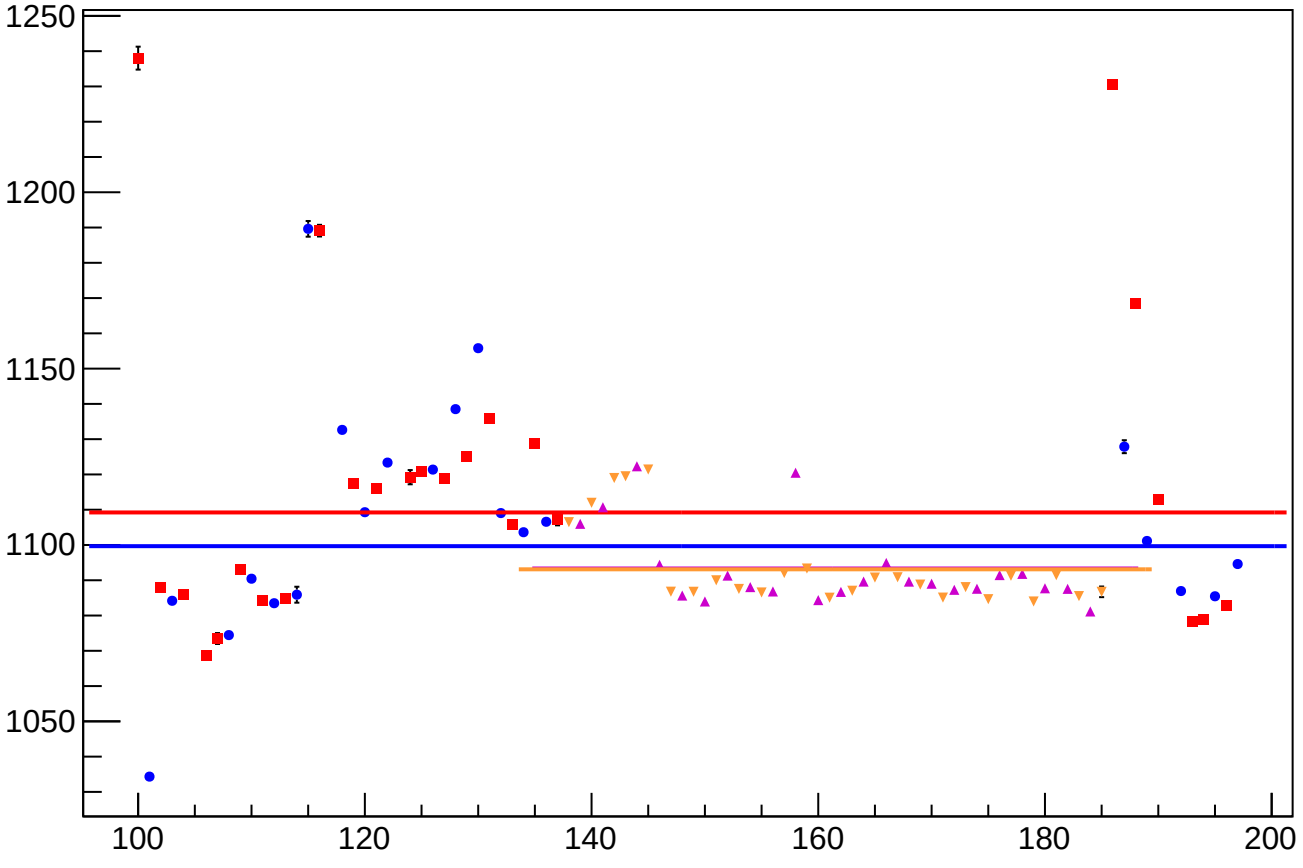
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2255.382+/-199.881 χ^2/NDF: 27.9/45

All: 45.107+/-141.561 χ^2/NDF: 318.2/93

- sign -2179.232+/-200.516 χ^2/NDF: 45.0/47

cor_asym_usr_rms vs Slug



Right In: 1099.666+/-0.238 χ^2/NDF: 14196.1/20

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

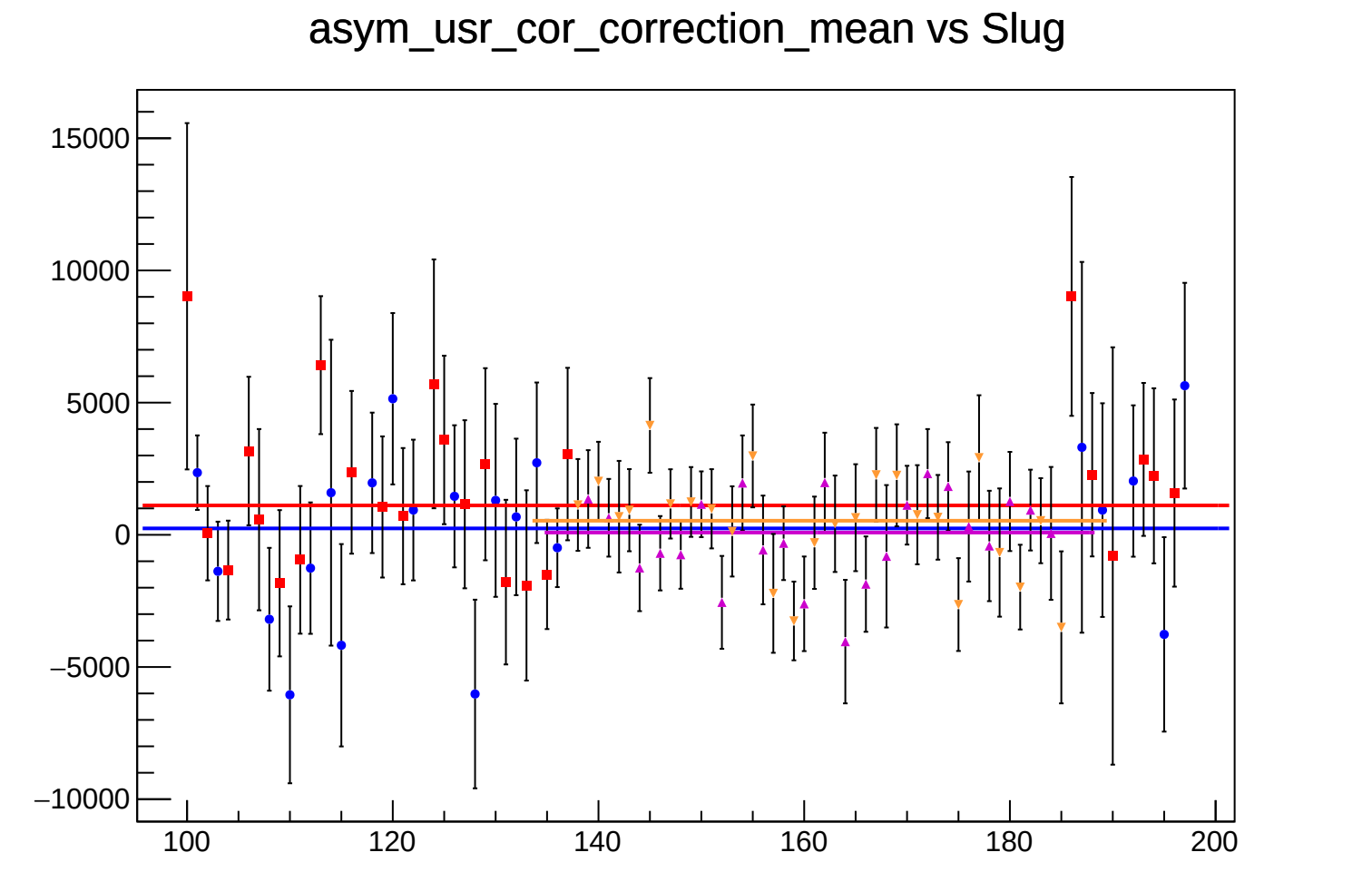
Right Out: 1109.225+/-0.229 χ^2/NDF: 25405.1/24

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

+ sign 1095.413+/-0.141 χ^2/NDF: 18671.2/45

All: 1097.412+/-0.100 χ^2/NDF: 51170.3/93

- sign 1099.424+/-0.142 χ^2/NDF: 32097.7/47



Right In: 242.534+/-581.125 χ^2/NDF: 20.7/20

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1111.955+/-584.706 χ^2/NDF: 19.1/24

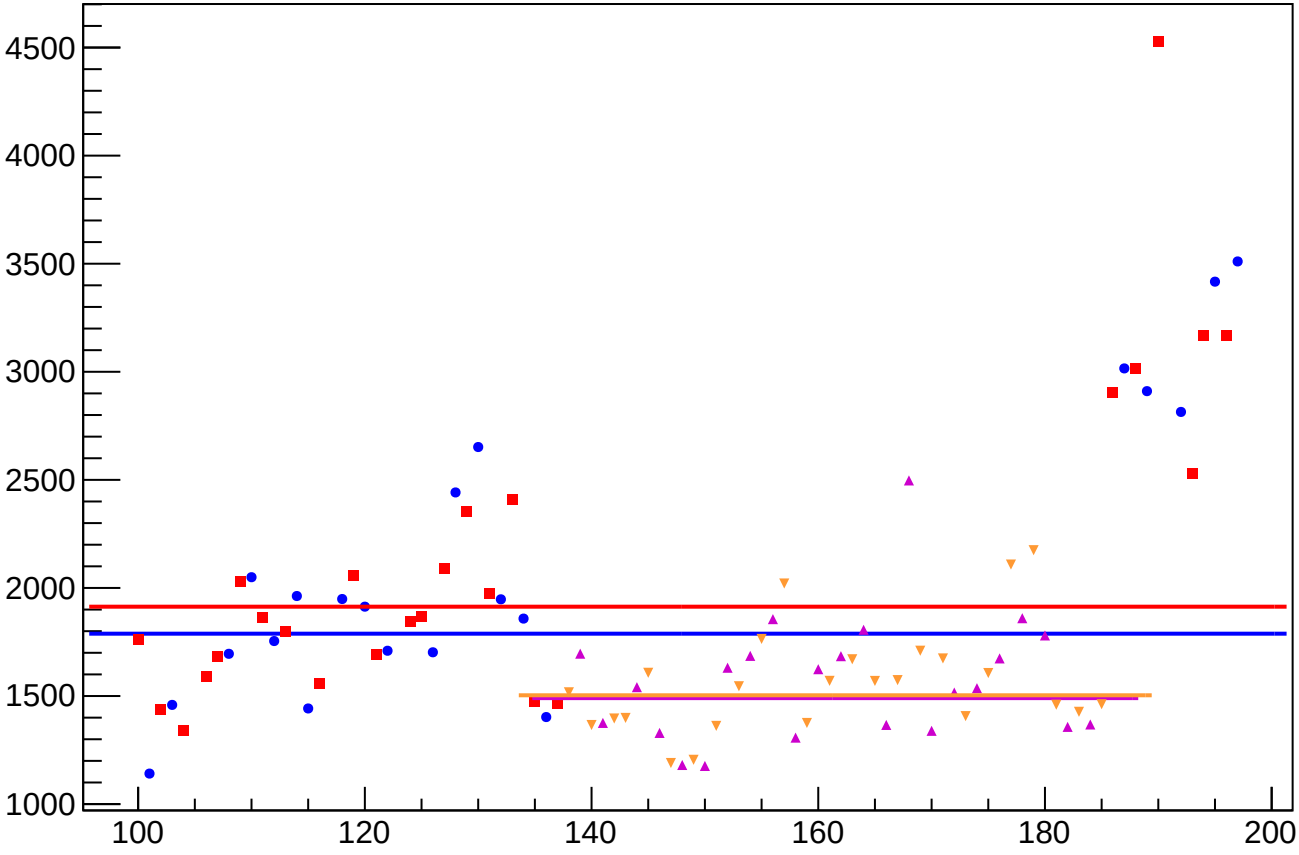
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 456.570+/-298.069 χ^2/NDF: 47.3/45

All: 409.349+/-212.414 χ^2/NDF: 86.8/93

- sign 360.624+/-302.783 χ^2/NDF: 39.4/47

asym_usr_cor_correction_rms vs Slug



Right In: 1788.415+/-0.411 χ^2/NDF: 2107002.7/20

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1913.315+/-0.413 χ^2/NDF: 1825740.4/24

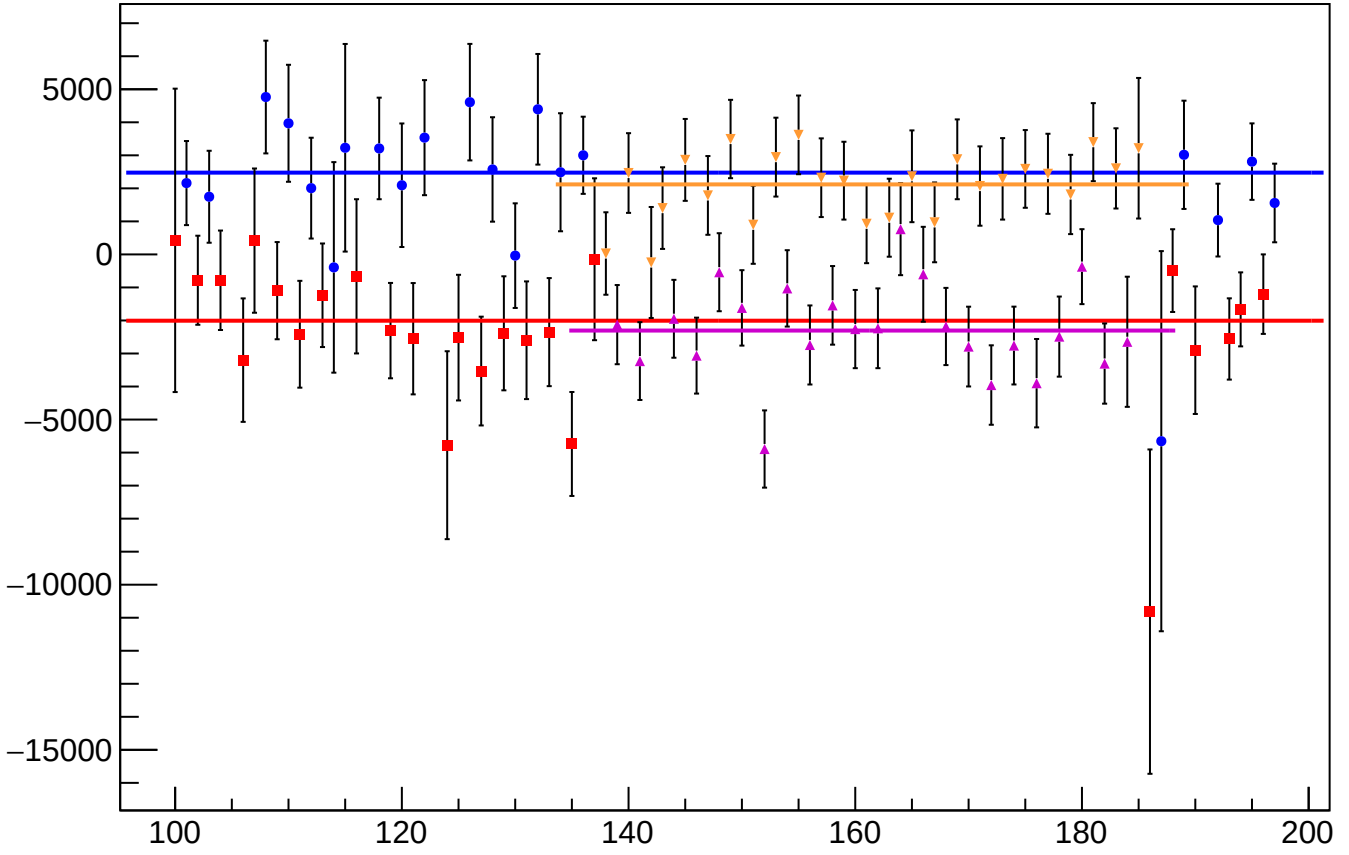
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1578.410+/-0.211 χ^2/NDF: 3261104.6/45

All: 1590.878+/-0.150 χ^2/NDF: 6828221.8/93

- sign 1603.744+/-0.214 χ^2/NDF: 3560006.7/47

overload_cor_asym_usr_mean vs Slug



Right In: 2476.072+/-339.758 χ^2/NDF: 14.4/20

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2007.241+/-328.659 χ^2/NDF: 19.3/24

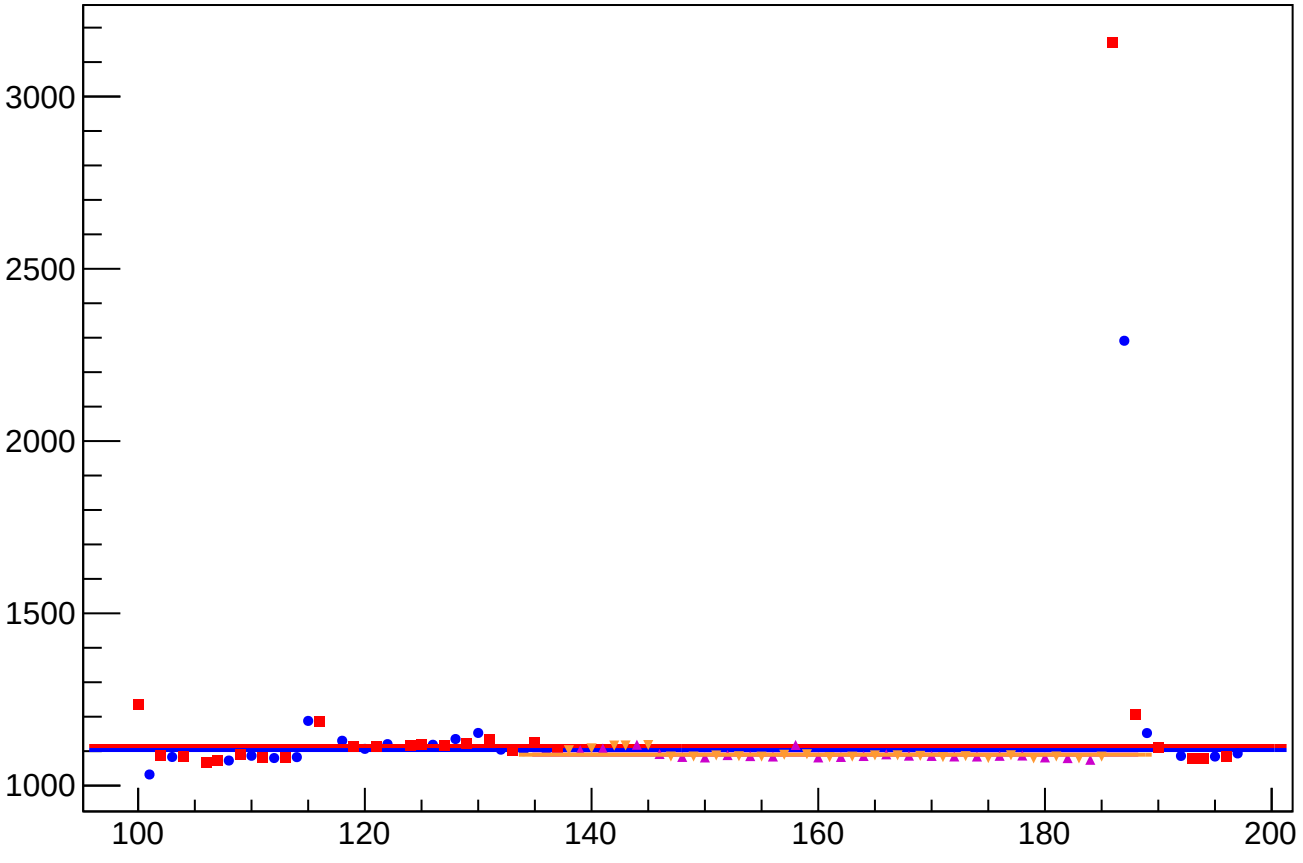
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2243.455+/-200.072 χ^2/NDF: 30.3/45

All: 37.616+/-141.877 χ^2/NDF: 323.1/93

- sign -2193.642+/-201.222 χ^2/NDF: 48.3/47

overload_cor_asym_usr_rms vs Slug



Right In: 1103.267+/-0.240 χ^2/NDF: 101373.8/20

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

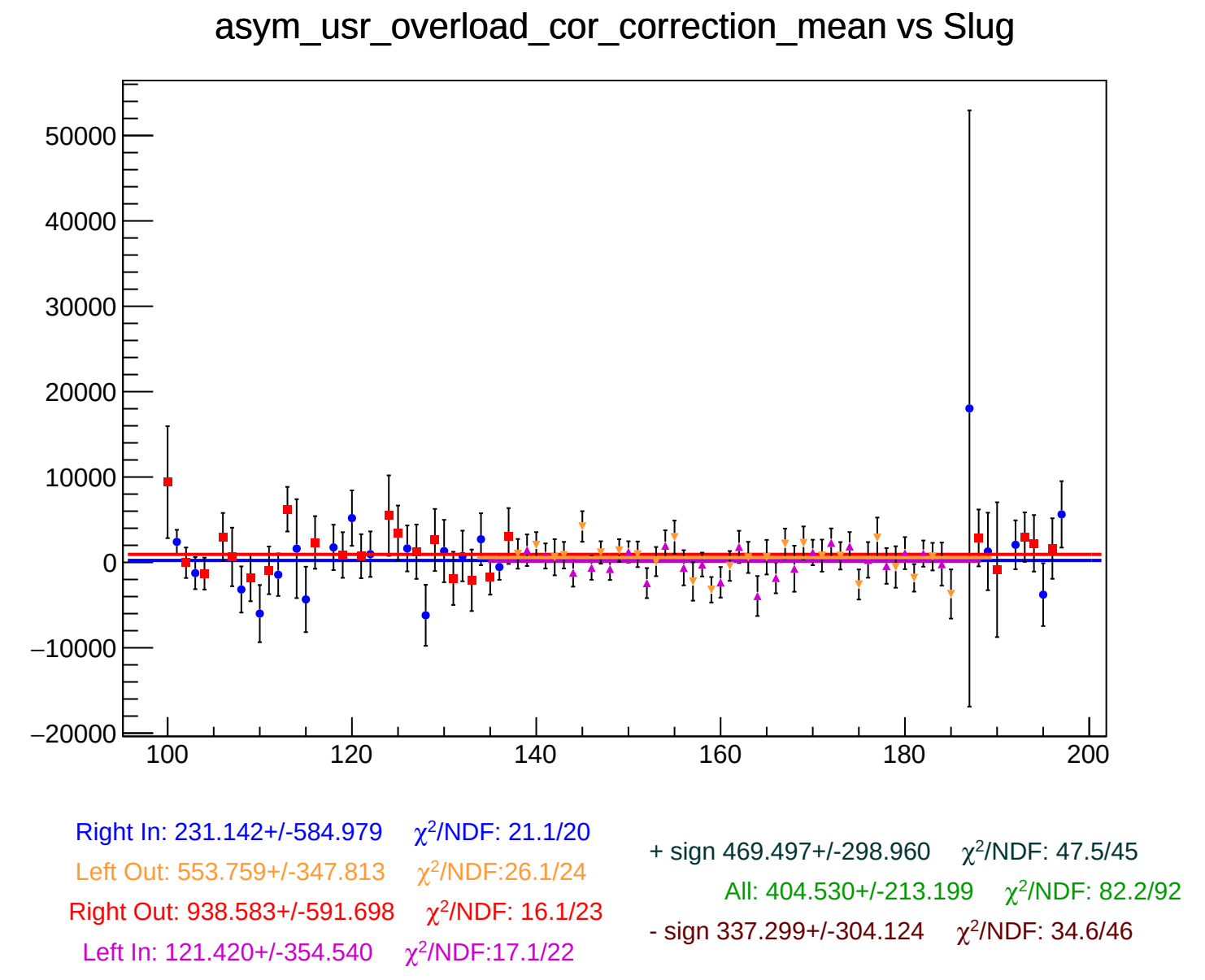
Right Out: 1114.955+/-0.232 χ^2/NDF: 371175.5/24

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

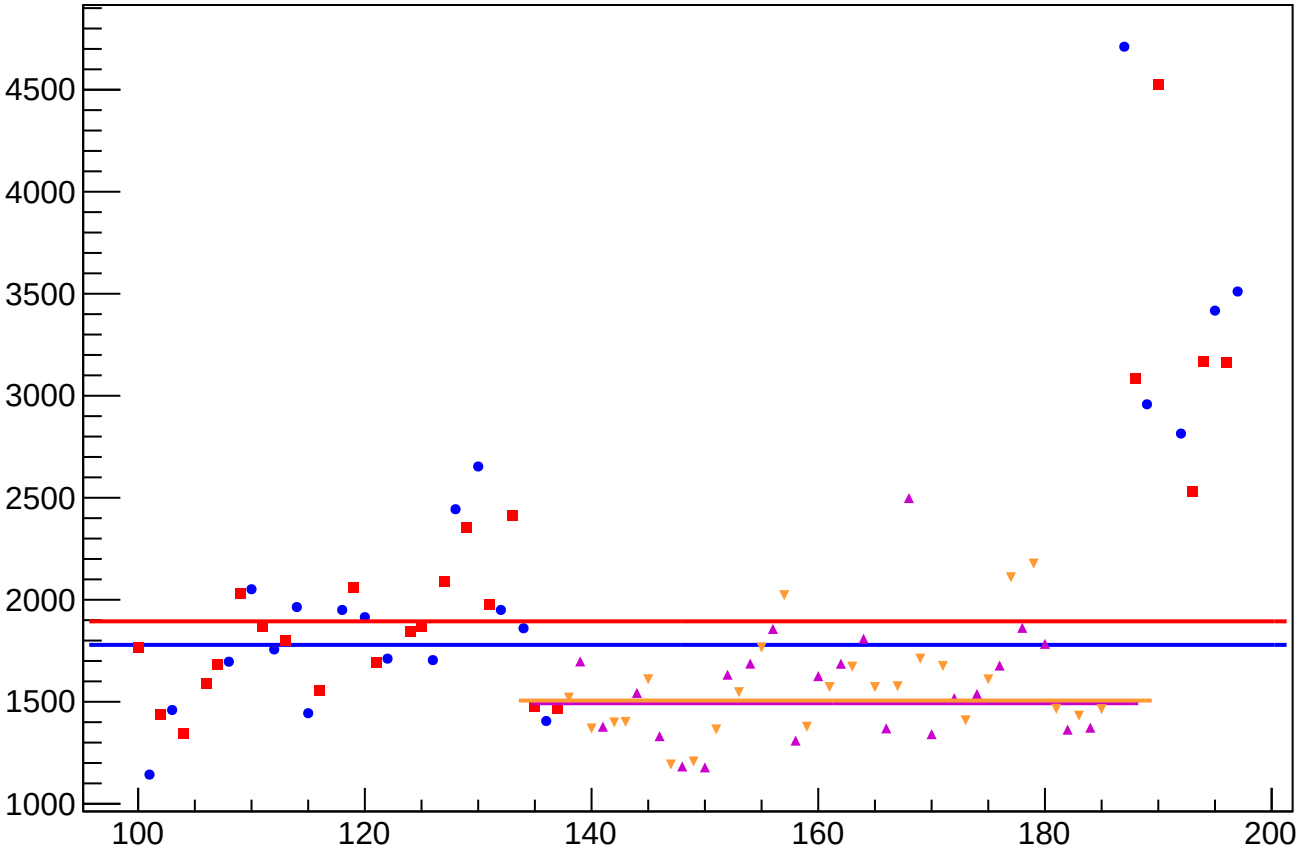
+ sign 1094.433+/-0.141 χ^2/NDF: 107501.1/45

All: 1096.869+/-0.100 χ^2/NDF: 490398.1/93

- sign 1099.332+/-0.142 χ^2/NDF: 382300.8/47


asym_usr_overload_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 231.142+/-584.979 χ²/NDF: 21.1/20
Left Out: 553.759+/-347.813 χ²/NDF:26.1/24
Right Out: 938.583+/-591.698 χ²/NDF: 16.1/23
Left In: 121.420+/-354.540 χ²/NDF:17.1/22
+ sign 469.497+/-298.960 χ²/NDF: 47.5/45
All: 404.530+/-213.199 χ²/NDF: 82.2/92
- sign 337.299+/-304.124 χ²/NDF: 34.6/46

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1778.947+/-0.414 χ^2/NDF: 2031950.9/20

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1894.295+/-0.418 χ^2/NDF: 1711713.8/23

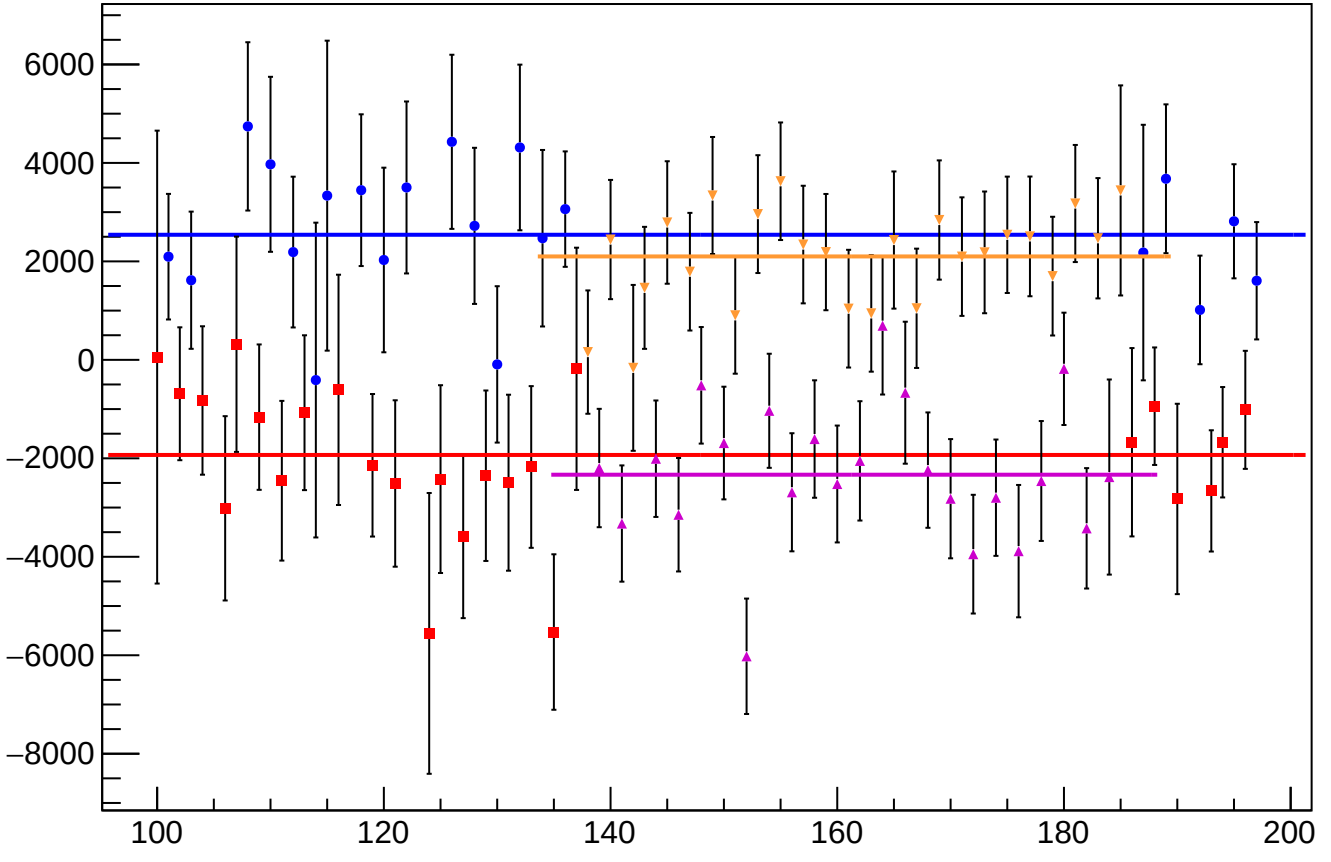
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1577.366+/-0.211 χ^2/NDF: 3149804.8/45

All: 1587.996+/-0.151 χ^2/NDF: 6508008.4/92

- sign 1598.997+/-0.215 χ^2/NDF: 3353058.0/46

eigen_cor_asym_usr_mean vs Slug



Right In: 2540.681+/-336.895 χ^2/NDF: 12.9/20

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1931.642+/-323.982 χ^2/NDF: 14.6/24

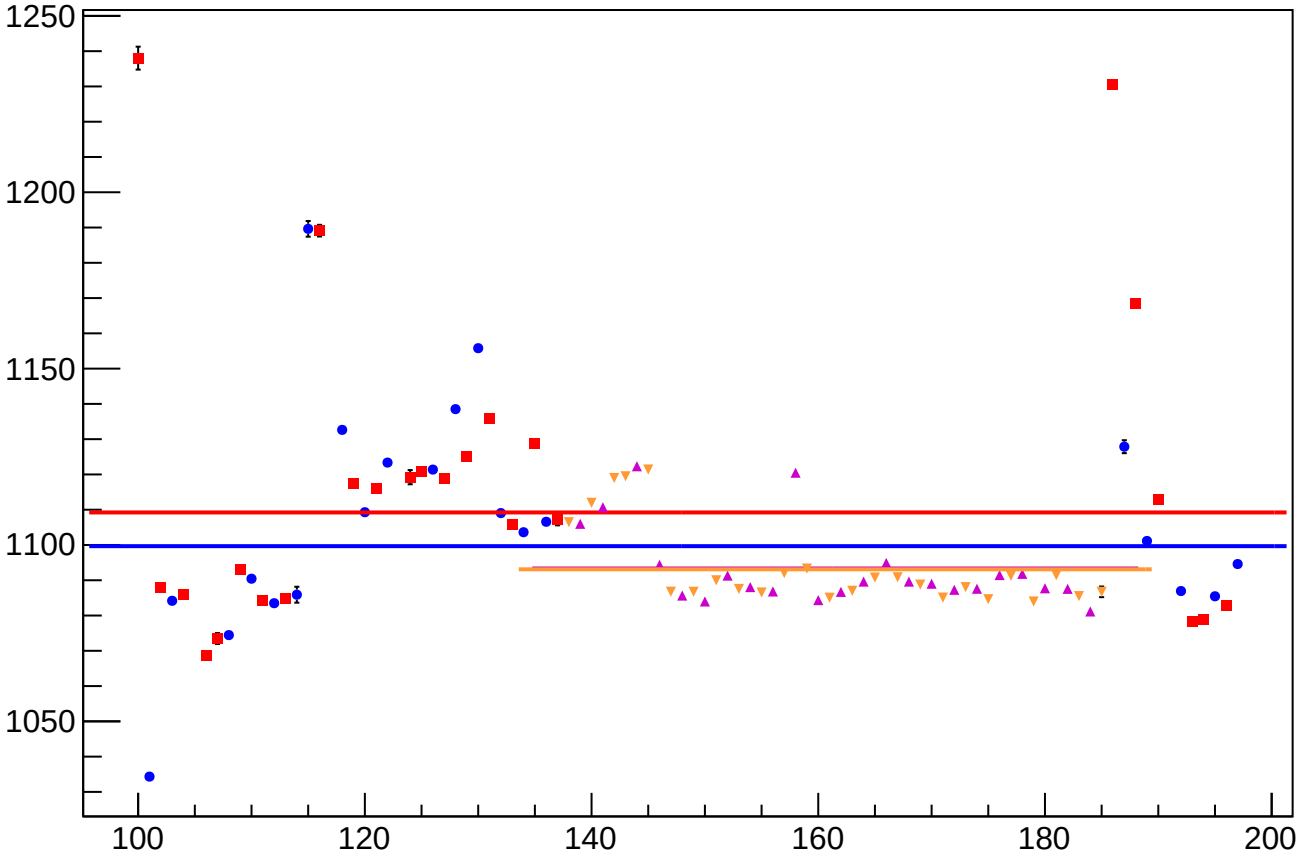
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2255.382+/-199.881 χ^2/NDF: 27.9/45

All: 45.107+/-141.561 χ^2/NDF: 318.2/93

- sign -2179.232+/-200.516 χ^2/NDF: 45.0/47

eigen_cor_asym_usr_rms vs Slug



Right In: 1099.666+/-0.238 χ^2/NDF: 14196.1/20

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1109.225+/-0.229 χ^2/NDF: 25405.1/24

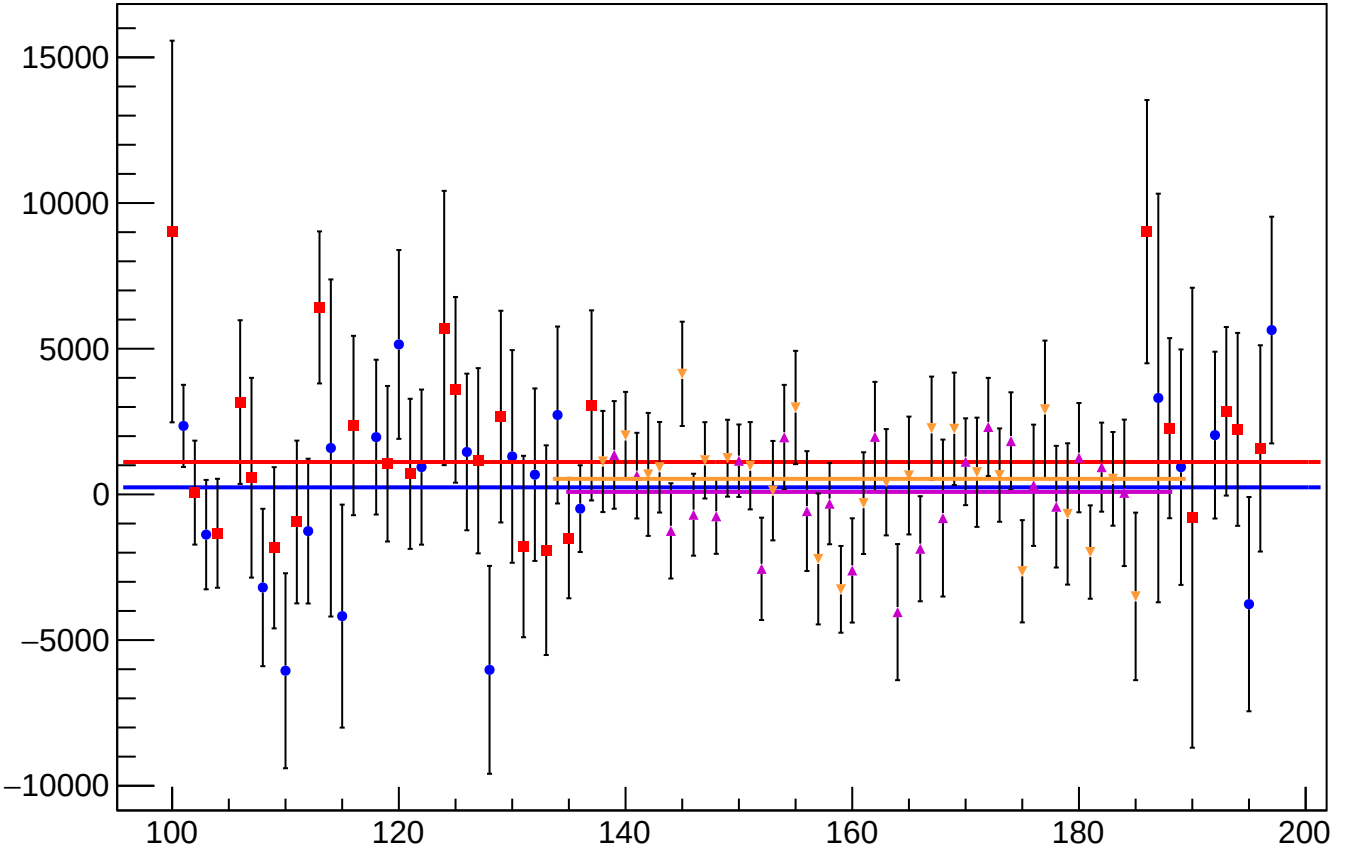
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.413+/-0.141 χ^2/NDF: 18671.2/45

All: 1097.412+/-0.100 χ^2/NDF: 51170.3/93

- sign 1099.424+/-0.142 χ^2/NDF: 32097.7/47

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 242.534+/-581.125 χ^2/NDF: 20.7/20

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1111.955+/-584.706 χ^2/NDF: 19.1/24

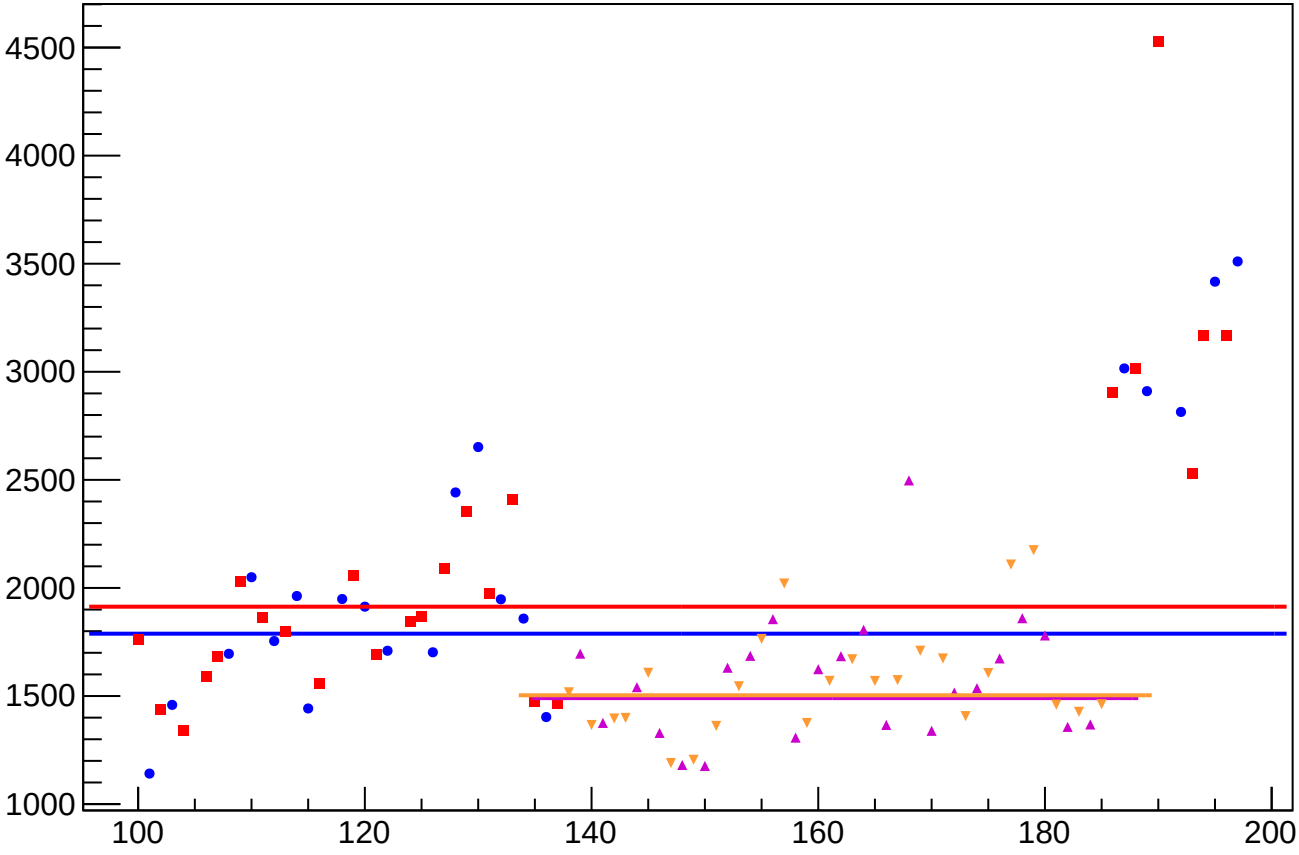
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 456.570+/-298.069 χ^2/NDF: 47.3/45

All: 409.349+/-212.414 χ^2/NDF: 86.8/93

- sign 360.624+/-302.783 χ^2/NDF: 39.4/47

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1788.415+/-0.411 χ^2/NDF: 2107002.7/20

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

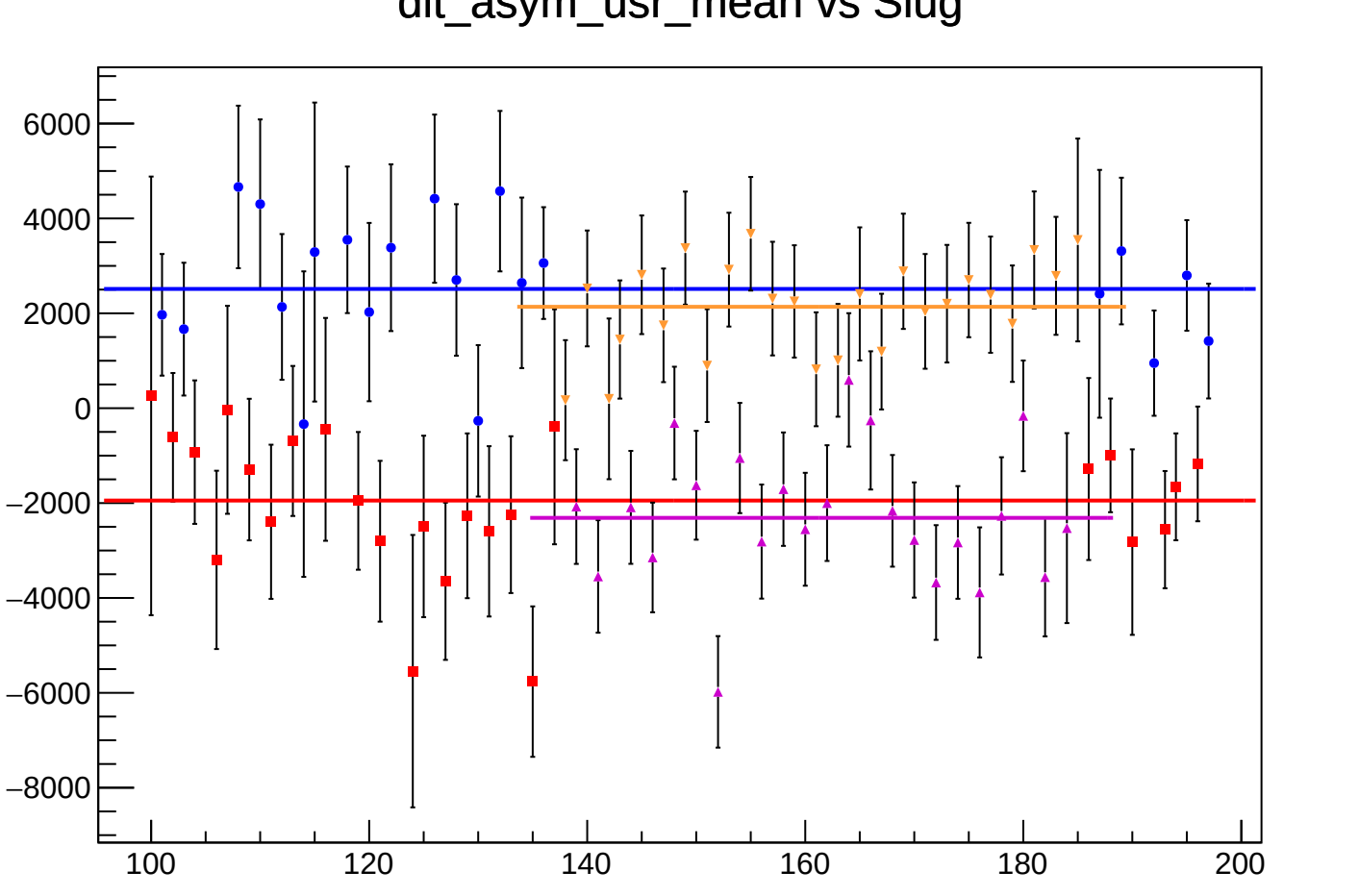
Right Out: 1913.315+/-0.413 χ^2/NDF: 1825740.4/24

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

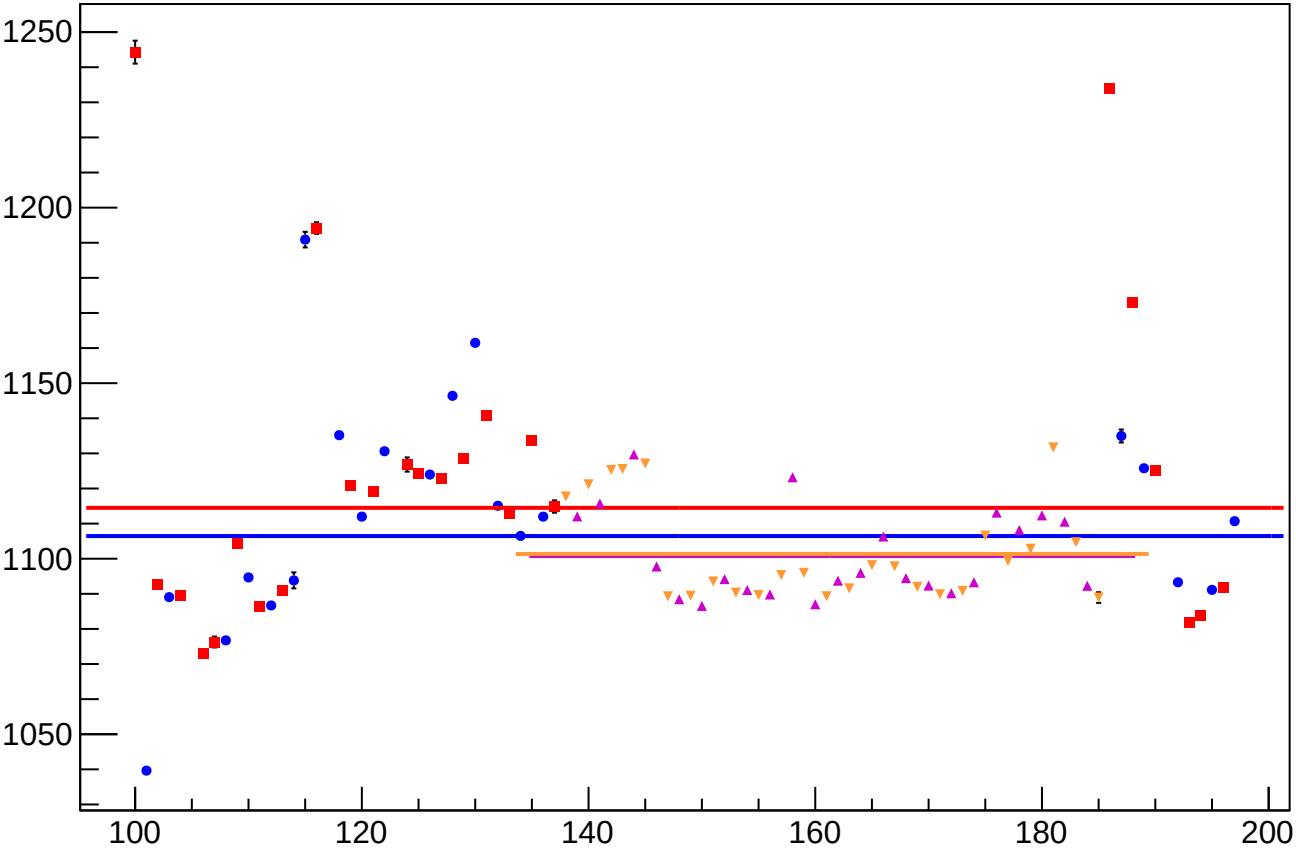
+ sign 1578.410+/-0.211 χ^2/NDF: 3261104.6/45

All: 1590.878+/-0.150 χ^2/NDF: 6828221.8/93

- sign 1603.744+/-0.214 χ^2/NDF: 3560006.7/47


dit_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: 2513.849+/-338.997 χ²/NDF: 13.8/20
Left Out: 2137.184+/-250.195 χ²/NDF:13.9/24
Right Out: -1946.819+/-325.528 χ²/NDF: 15.2/24
Left In: -2311.761+/-257.036 χ²/NDF:29.9/22
+ sign 2270.007+/-201.305 χ²/NDF: 28.6/45
All: 53.890+/-142.495 χ²/NDF: 317.4/93
- sign -2171.611+/-201.731 χ²/NDF: 45.9/47

dit_asym_usr_rms vs Slug



Right In: 1106.457+/-0.240 χ^2/NDF: 14439.3/20

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1114.493+/-0.230 χ^2/NDF: 24902.0/24

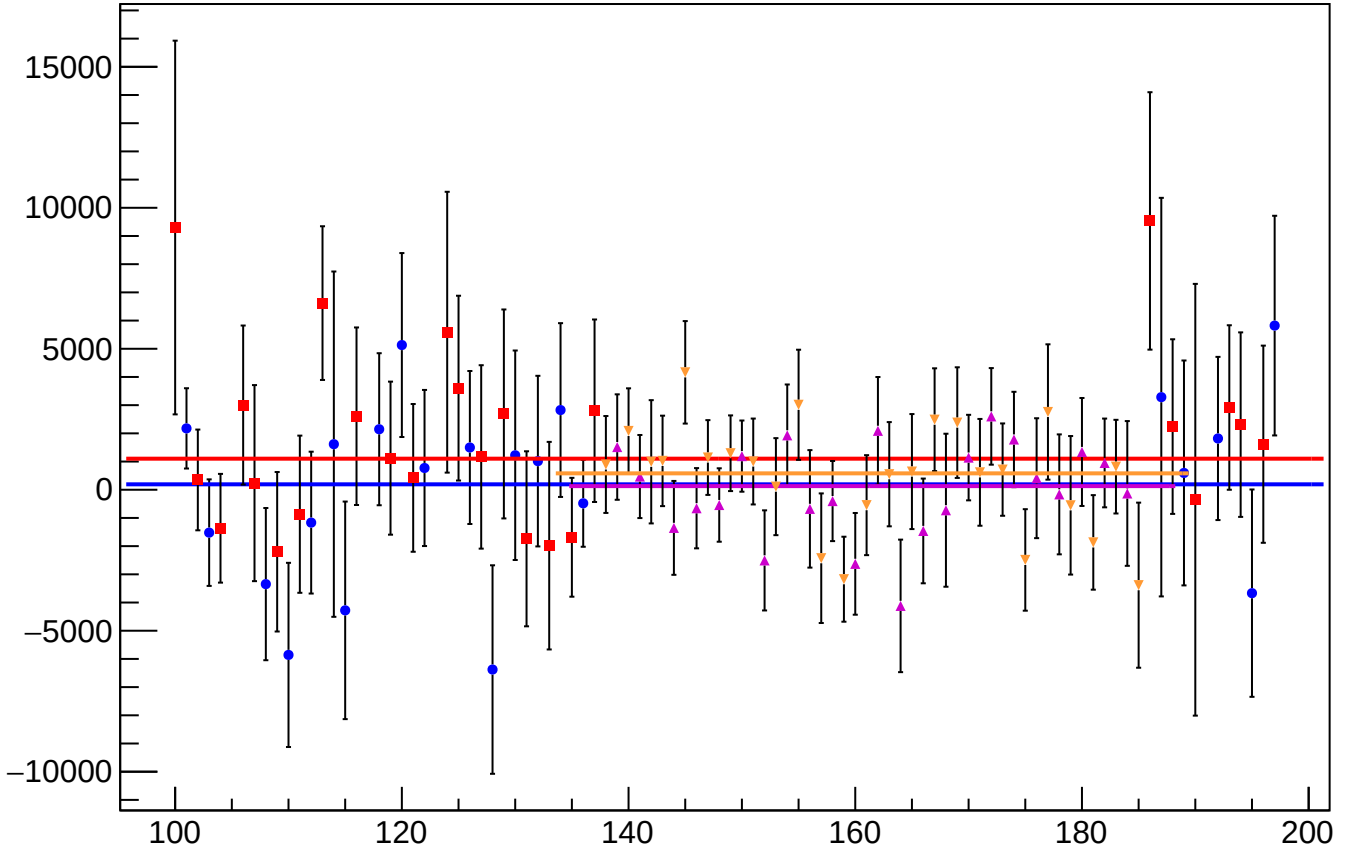
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.153+/-0.142 χ^2/NDF: 20683.4/45

All: 1104.600+/-0.101 χ^2/NDF: 52616.6/93

- sign 1106.054+/-0.143 χ^2/NDF: 31726.0/47

asym_usr_dit_correction_mean vs Slug



Right In: 192.542+/-589.535 χ^2/NDF: 20.6/20

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1101.832+/-592.866 χ^2/NDF: 19.4/24

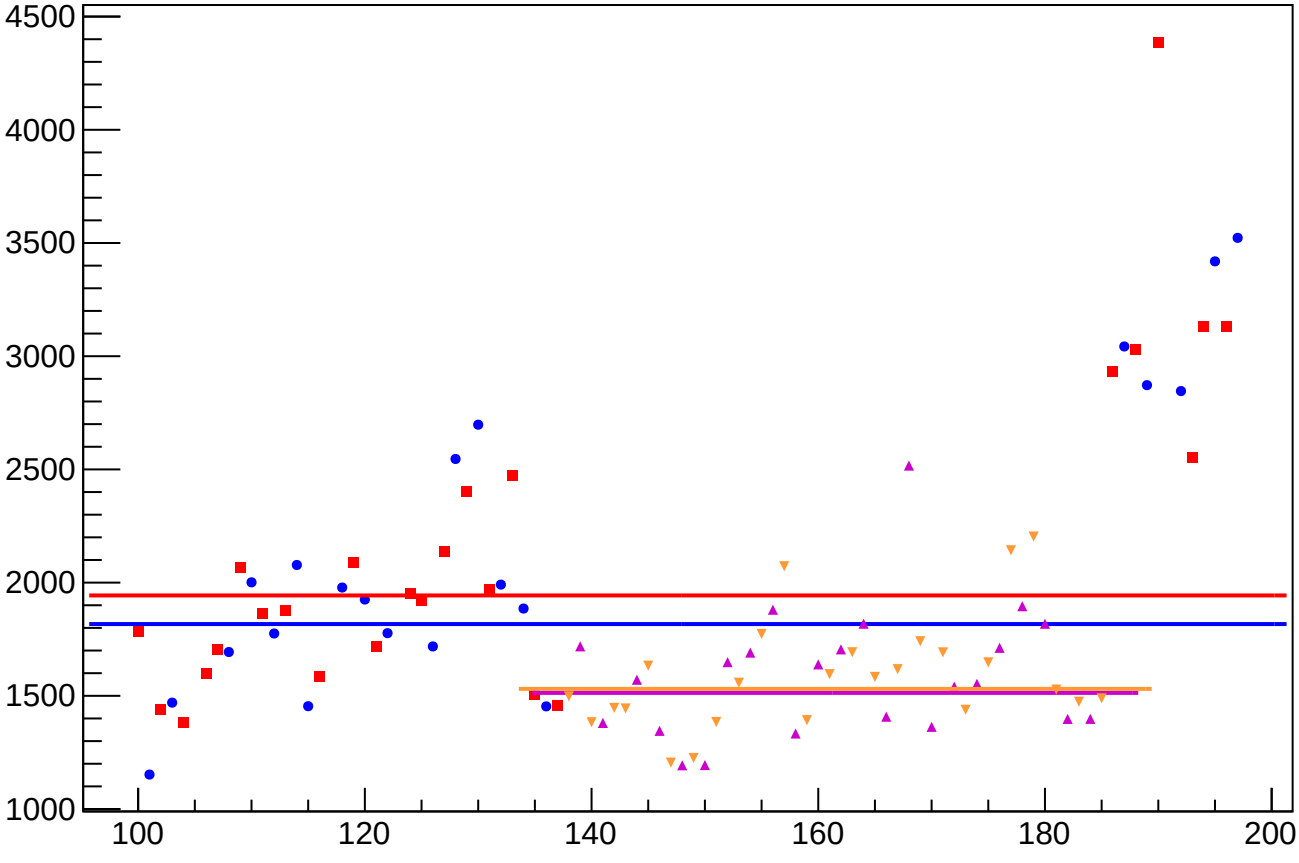
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 478.629+/-303.104 χ^2/NDF: 46.3/45

All: 434.892+/-215.749 χ^2/NDF: 85.6/93

- sign 389.973+/-307.168 χ^2/NDF: 39.2/47

asym_usr_dit_correction_rms vs Slug



Right In: 1816.940+/-0.417 χ^2/NDF: 2073530.3/20

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1943.362+/-0.419 χ^2/NDF: 1756761.6/24

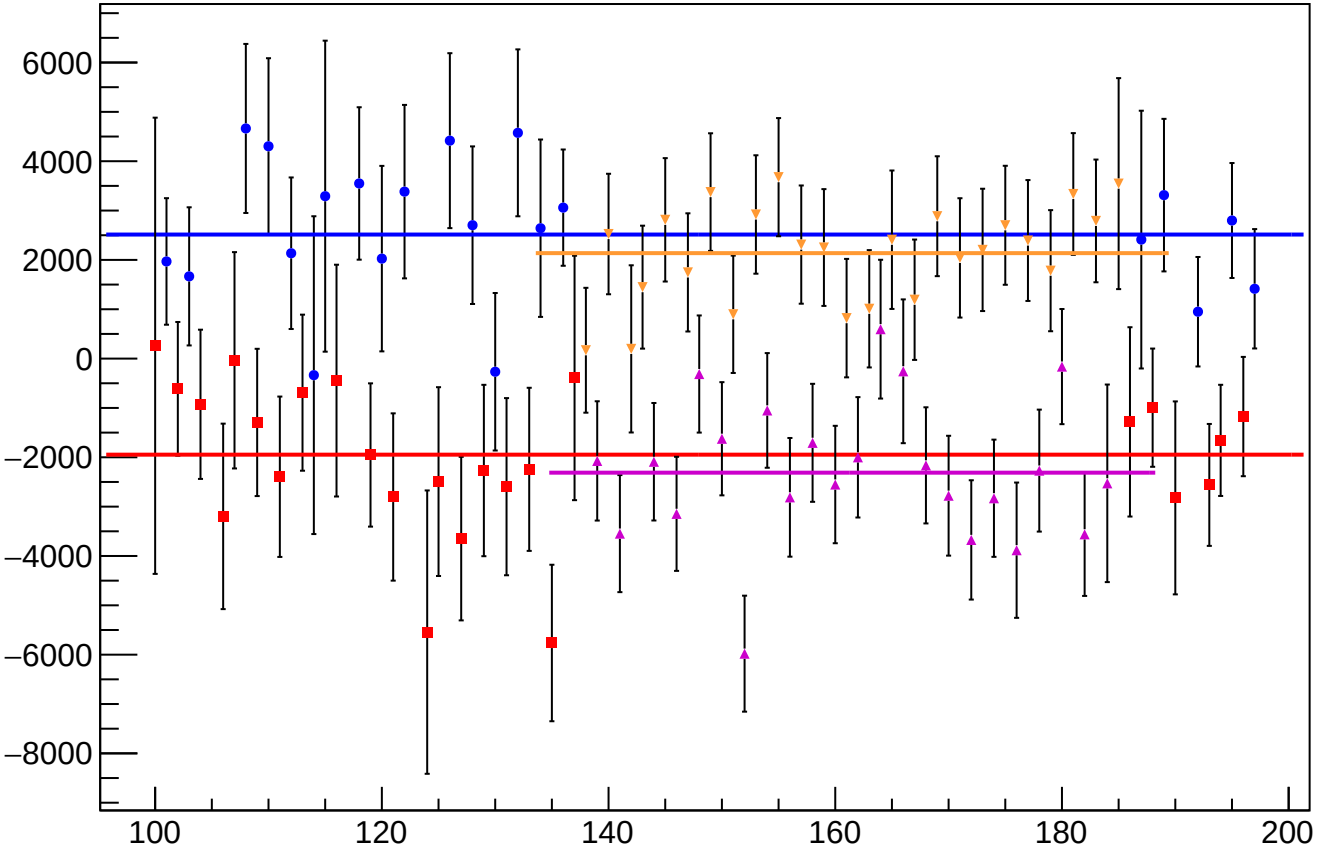
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1606.412+/-0.214 χ^2/NDF: 3215865.0/45

All: 1617.302+/-0.153 χ^2/NDF: 6706079.2/93

- sign 1628.485+/-0.217 χ^2/NDF: 3484981.5/47

eigen_dit_asym_usr_mean vs Slug



Right In: 2513.845+/-338.997 χ^2/NDF: 13.8/20

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -1946.818+/-325.528 χ^2/NDF: 15.2/24

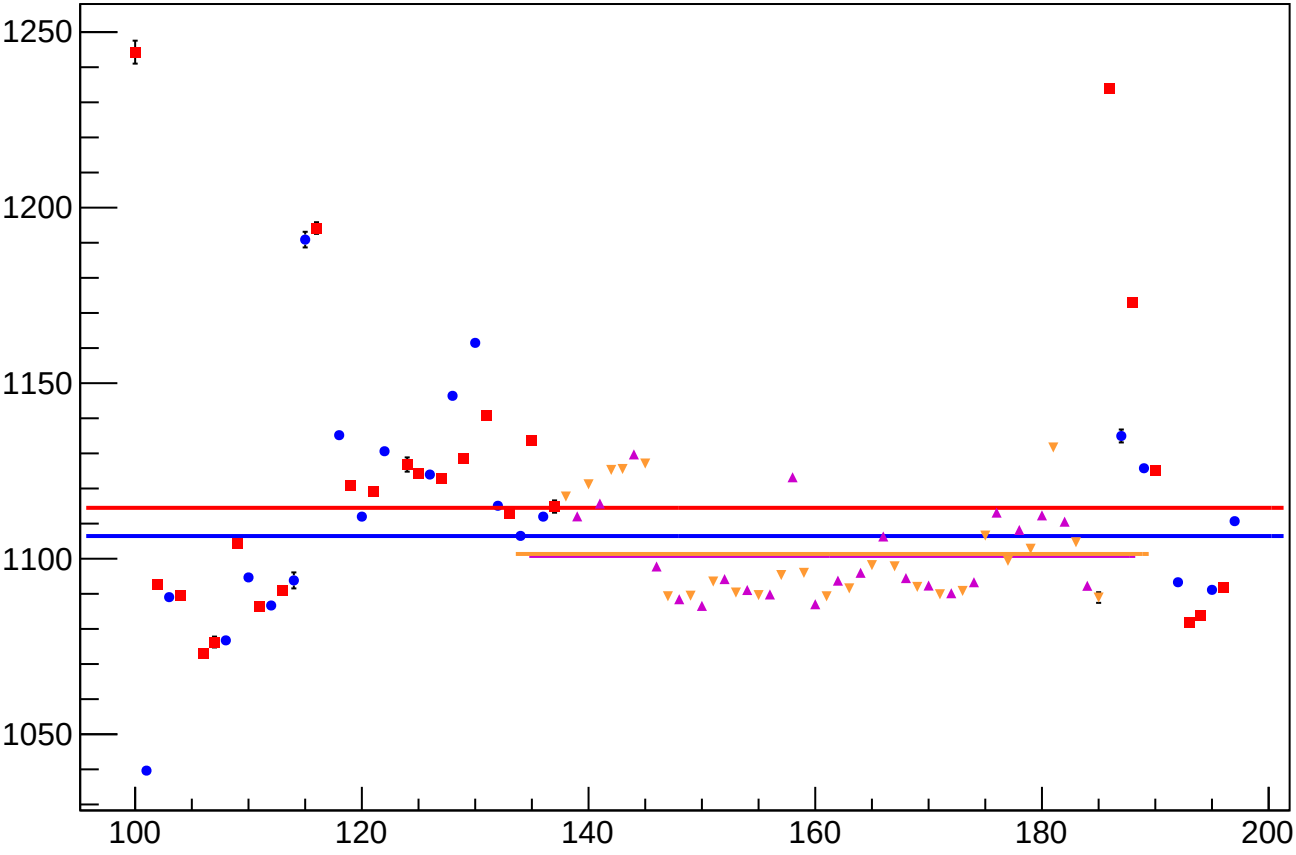
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2270.004+/-201.305 χ^2/NDF: 28.6/45

All: 53.888+/-142.495 χ^2/NDF: 317.4/93

- sign -2171.611+/-201.731 χ^2/NDF: 45.9/47

eigen_dit_asym_usr_rms vs Slug



Right In: 1106.457+/-0.240 χ^2/NDF: 14439.3/20

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1114.493+/-0.230 χ^2/NDF: 24902.0/24

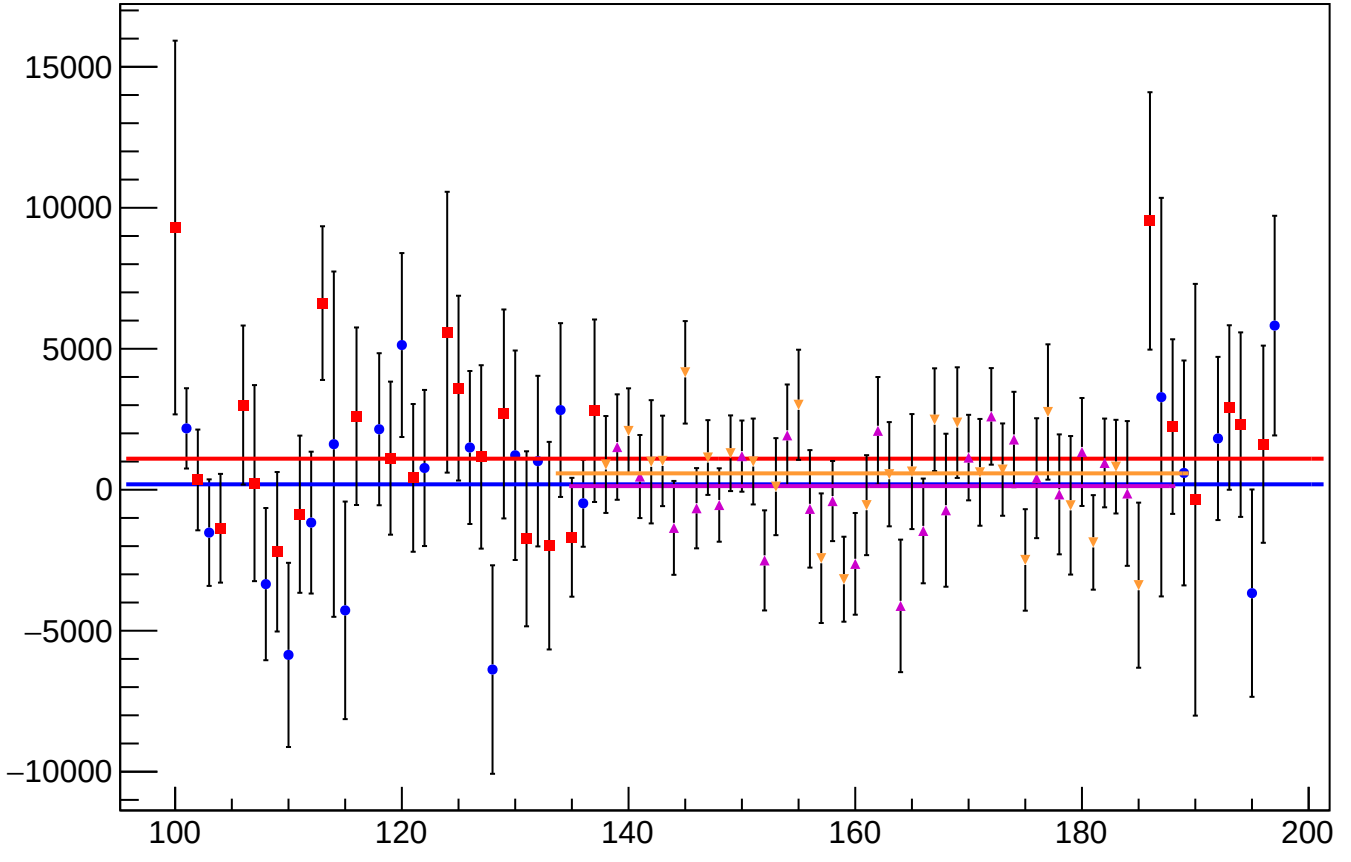
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.153+/-0.142 χ^2/NDF: 20683.3/45

All: 1104.600+/-0.101 χ^2/NDF: 52616.4/93

- sign 1106.054+/-0.143 χ^2/NDF: 31725.9/47

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 192.538+/-589.534 χ^2/NDF: 20.6/20

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1101.834+/-592.866 χ^2/NDF: 19.4/24

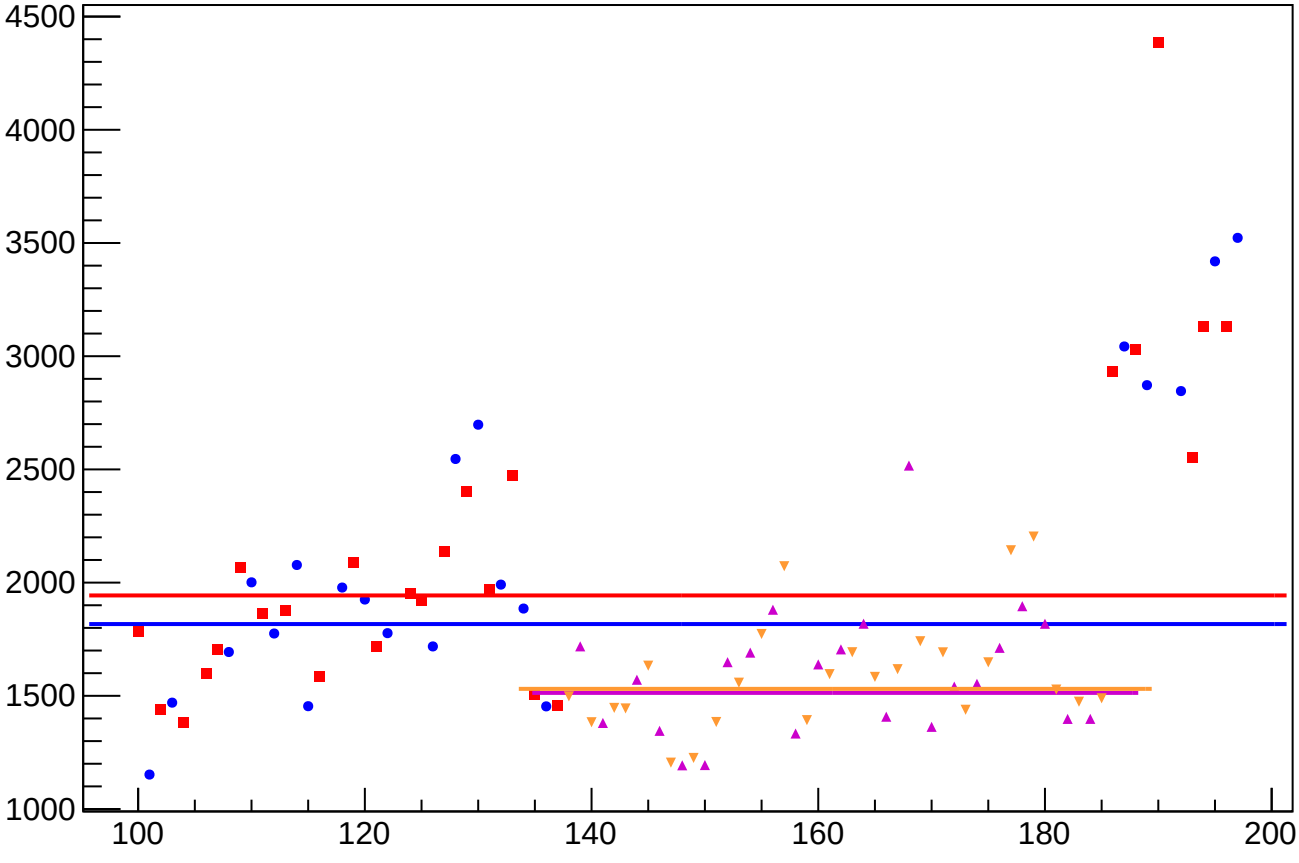
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 478.627+/-303.104 χ^2/NDF: 46.3/45

All: 434.891+/-215.750 χ^2/NDF: 85.6/93

- sign 389.975+/-307.169 χ^2/NDF: 39.2/47

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1816.938+/-0.417 χ^2/NDF: 2073519.6/20

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

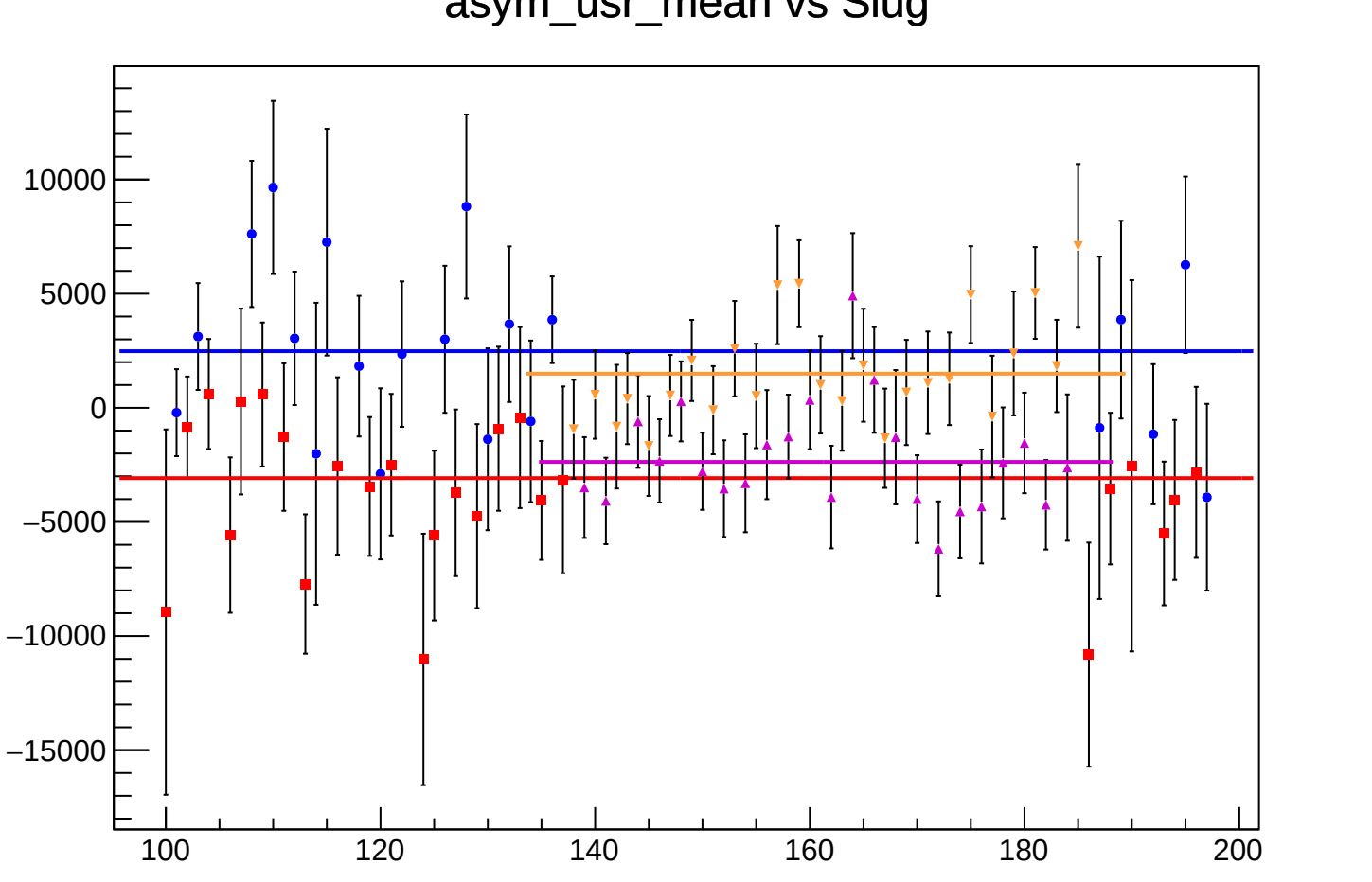
Right Out: 1943.360+/-0.419 χ^2/NDF: 1756747.7/24

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

+ sign 1606.415+/-0.214 χ^2/NDF: 3215843.3/45

All: 1617.305+/-0.153 χ^2/NDF: 6706030.1/93

- sign 1628.488+/-0.217 χ^2/NDF: 3484954.0/47



Right In: 2482.614+/-698.704 χ^2/NDF: 21.7/20

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3079.263+/-689.008 χ^2/NDF: 16.0/24

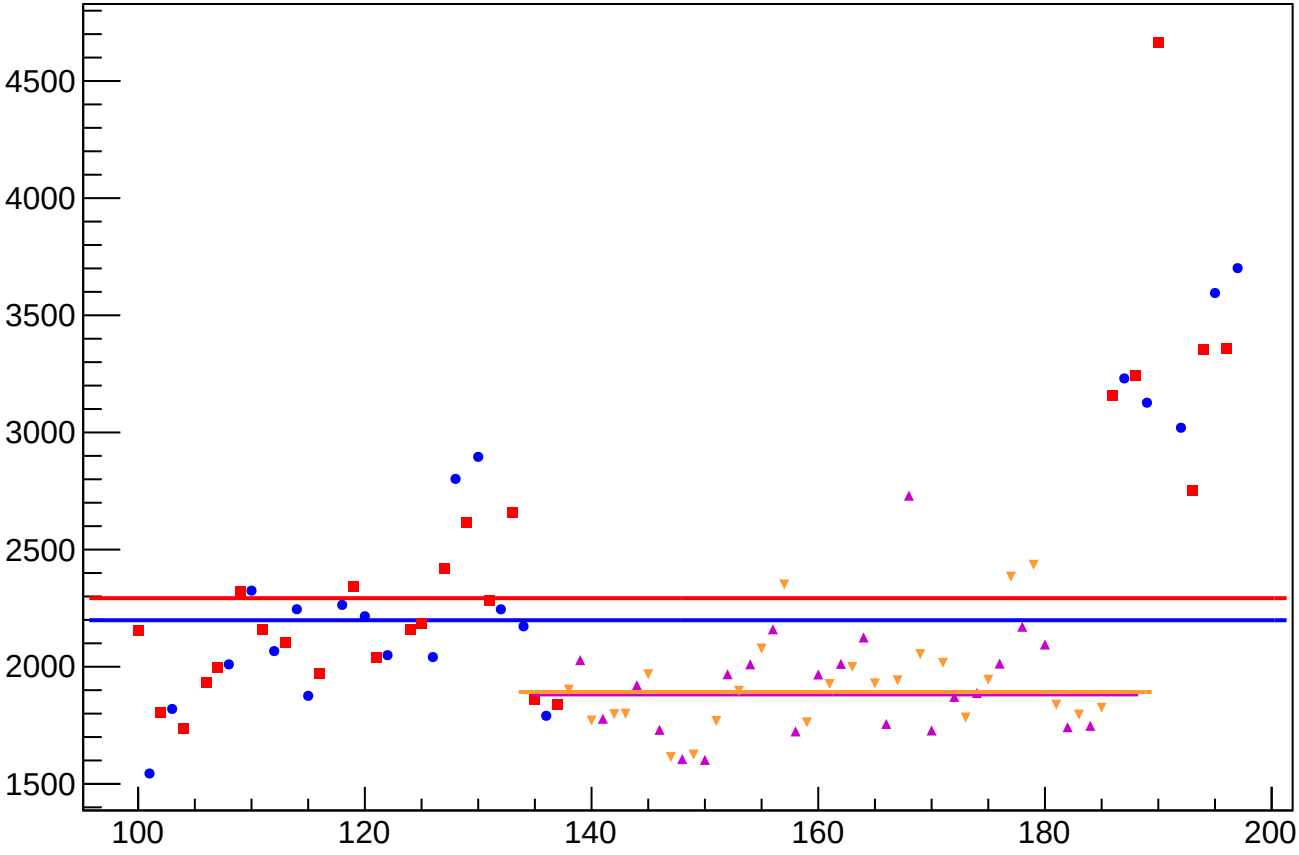
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1769.241+/-368.175 χ^2/NDF: 46.9/45

All: -378.378+/-261.888 χ^2/NDF: 156.2/93

- sign -2577.905+/-372.597 χ^2/NDF: 40.4/47

asym_usr_rms vs Slug



Right In: 2198.537+/-0.494 χ^2/NDF: 1322755.7/20

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2292.652+/-0.487 χ^2/NDF: 1173079.9/24

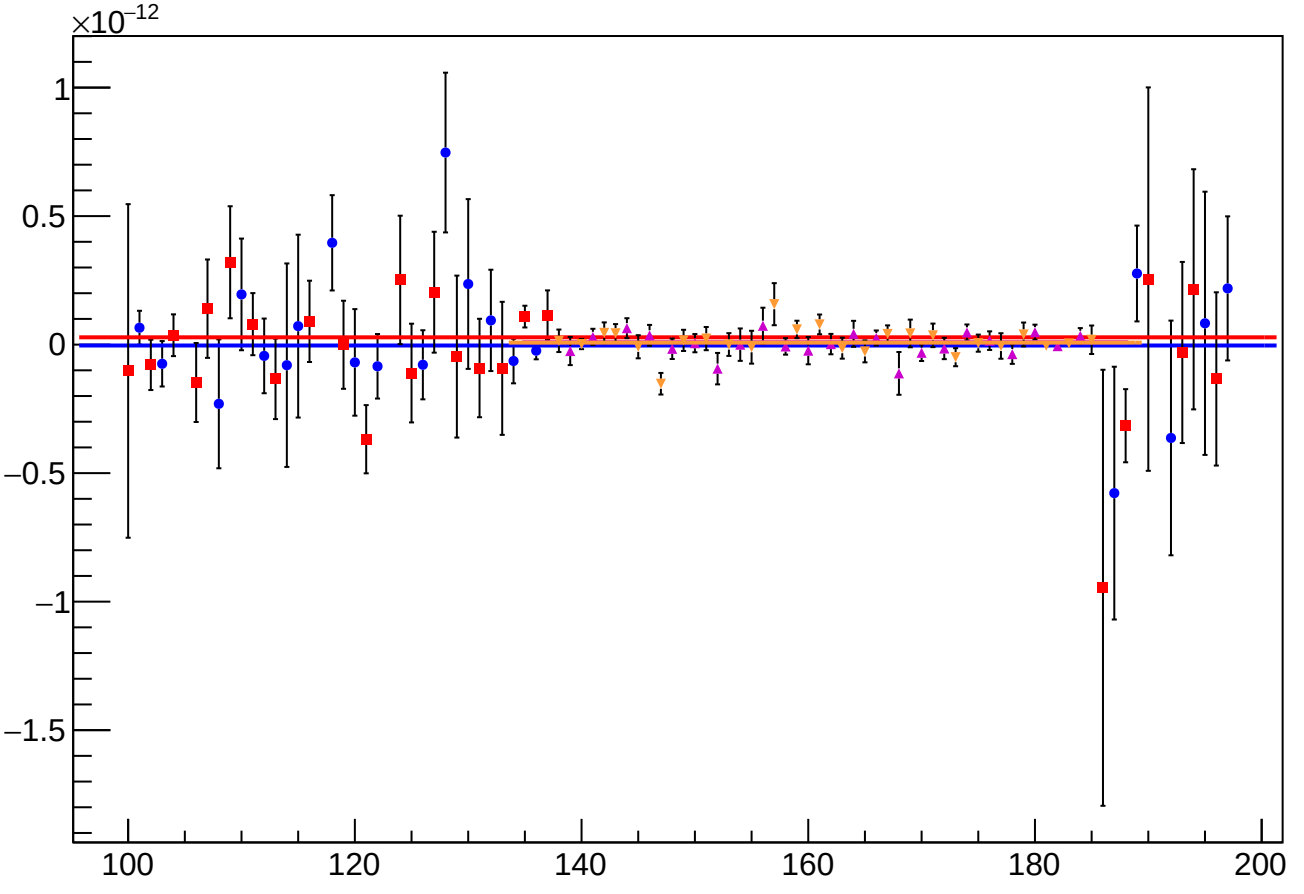
Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 1977.199+/-0.260 χ^2/NDF: 1990258.1/45

All: 1989.458+/-0.185 χ^2/NDF: 4133434.7/93

- sign 2002.013+/-0.263 χ^2/NDF: 2138688.4/47

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/24

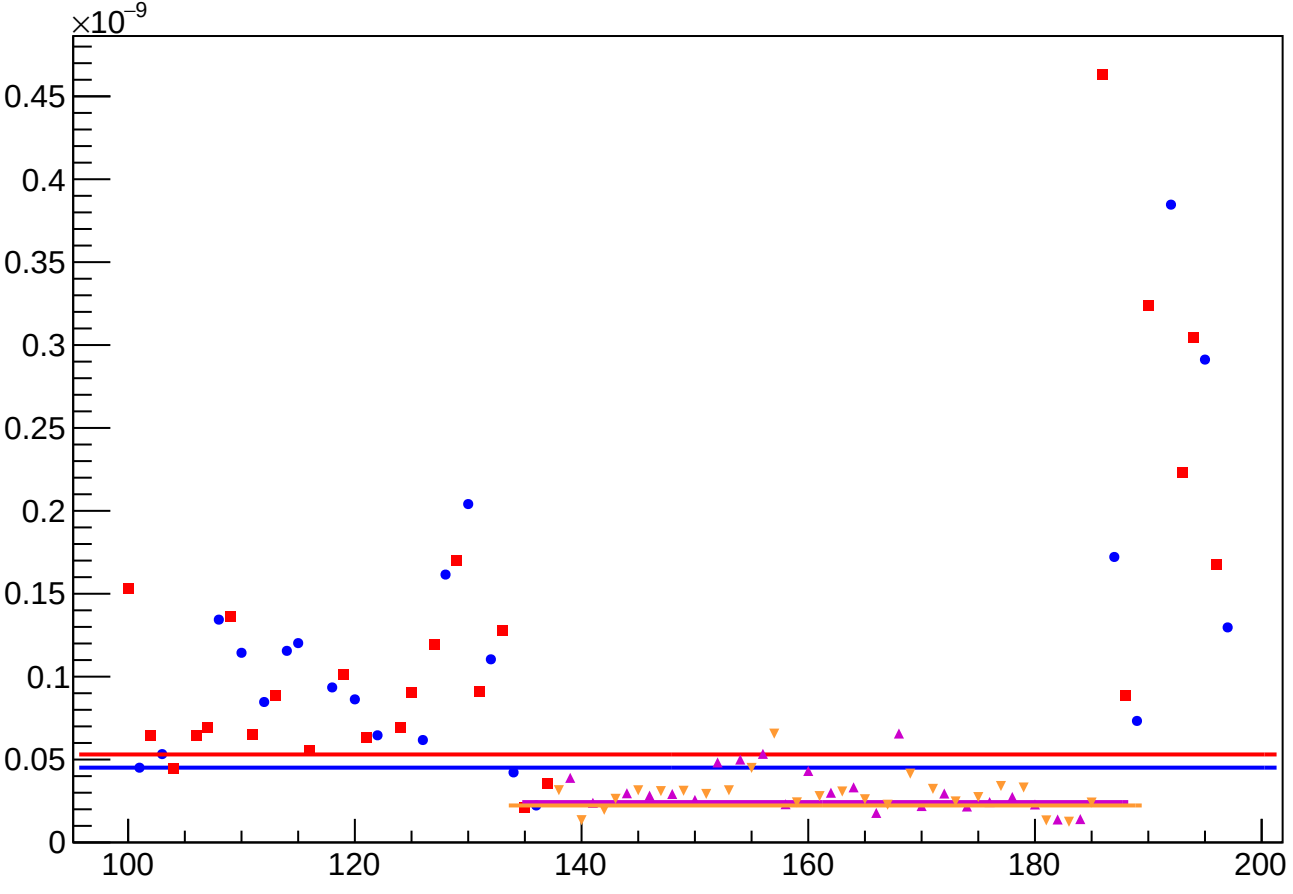
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/45

All: 0.000+/-0.000 χ^2/NDF: 103.4/93

- sign 0.000+/-0.000 χ^2/NDF: 49.3/47

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4892467.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4797752.8/24

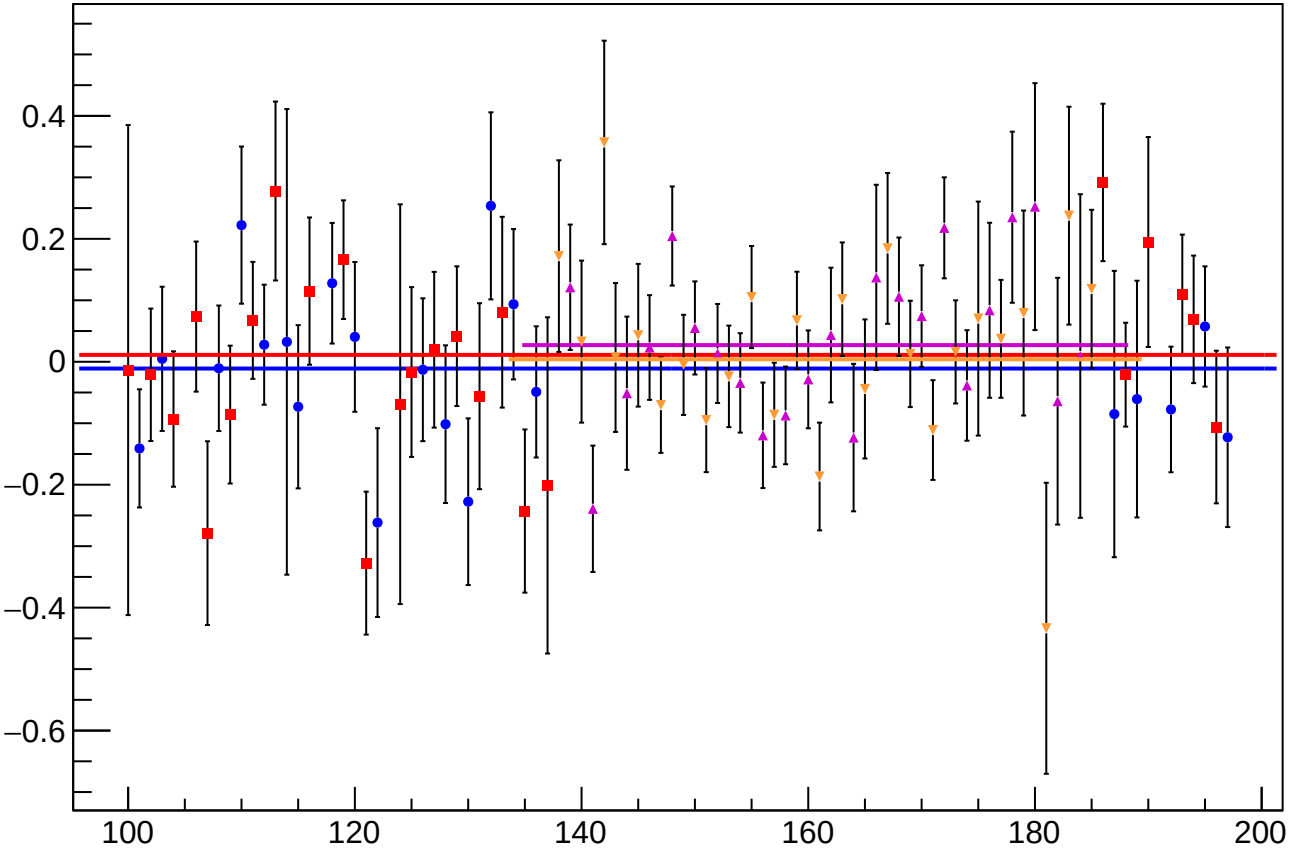
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10203039.6/45

All: 0.000+/-0.000 χ^2/NDF: 20454903.9/93

- sign 0.000+/-0.000 χ^2/NDF: 10126285.1/47

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.027 χ^2/NDF: 19.0/20

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

Right Out: 0.011+/-0.025 χ^2/NDF: 34.5/24

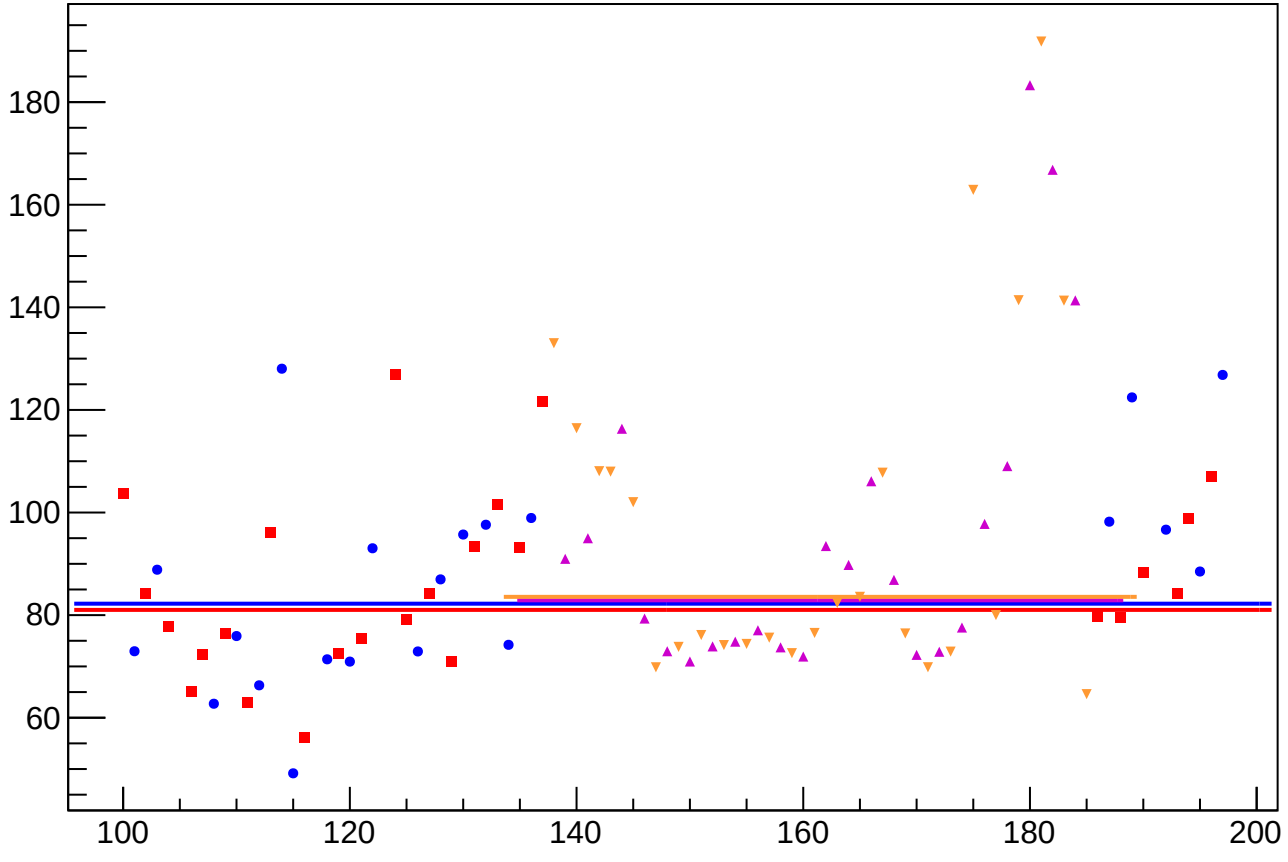
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.001+/-0.016 χ^2/NDF: 47.4/45

All: 0.010+/-0.011 χ^2/NDF: 115.0/93

- sign 0.021+/-0.016 χ^2/NDF: 66.7/47

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 82.232+/-0.019 χ^2/NDF: 805163.2/20

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 81.019+/-0.018 χ^2/NDF: 572525.2/24

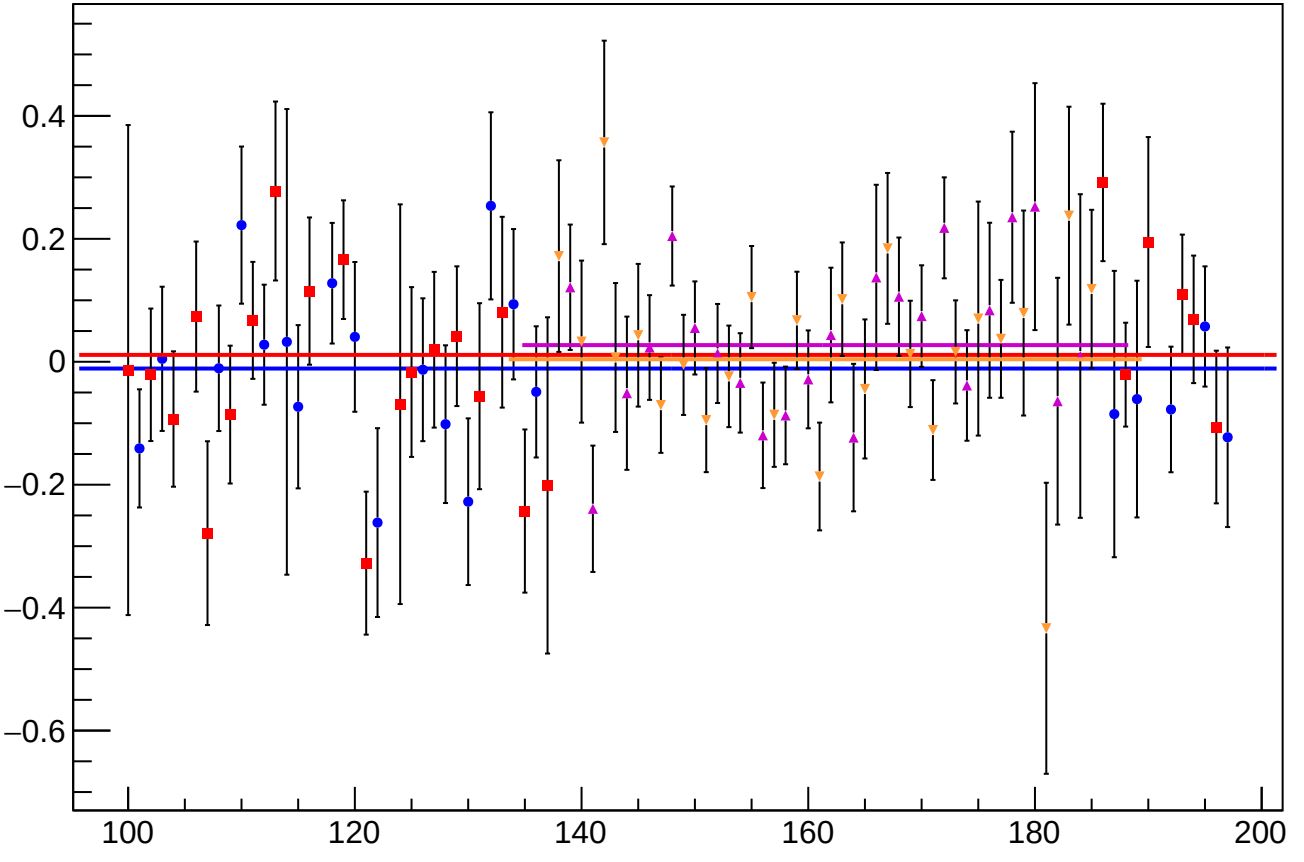
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 83.077+/-0.011 χ^2/NDF: 2981247.9/45

All: 82.591+/-0.008 χ^2/NDF: 5137068.8/93

- sign 82.127+/-0.011 χ^2/NDF: 2152295.7/47

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.011+/-0.027 χ^2/NDF: 19.0/20

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

Right Out: 0.011+/-0.025 χ^2/NDF: 34.5/24

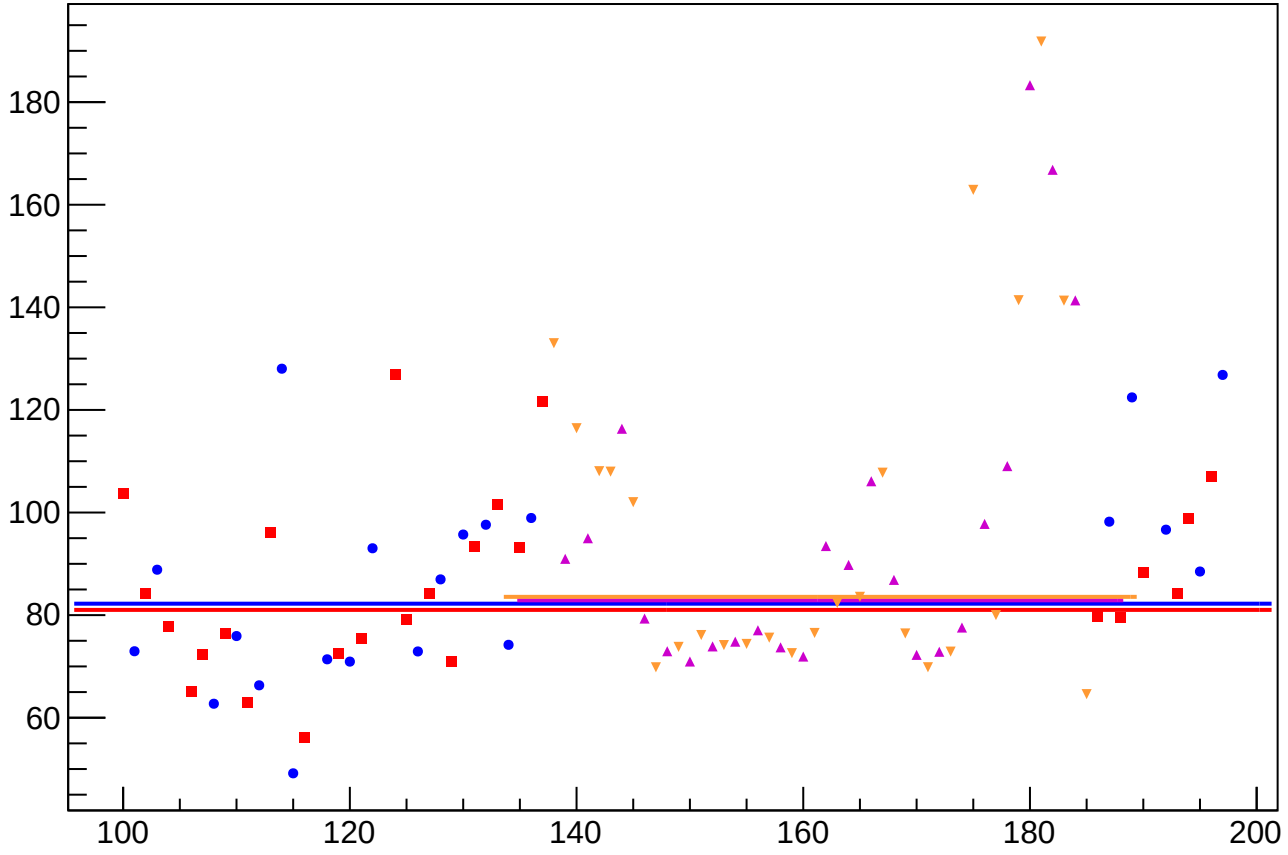
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.001+/-0.016 χ^2/NDF: 47.4/45

All: 0.010+/-0.011 χ^2/NDF: 115.0/93

- sign 0.021+/-0.016 χ^2/NDF: 66.7/47

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 82.232+/-0.019 χ^2/NDF: 805163.2/20

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 81.019+/-0.018 χ^2/NDF: 572525.2/24

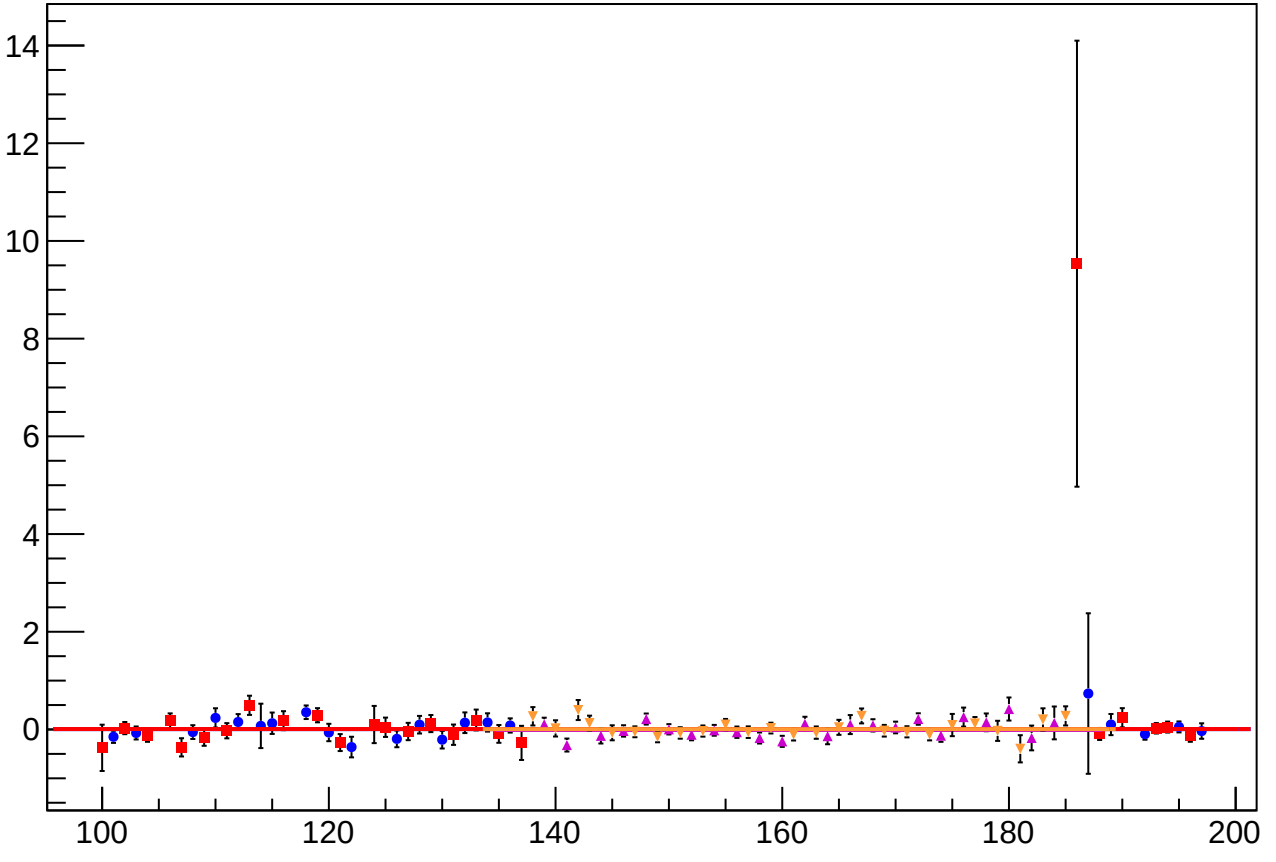
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

\+ sign 83.077+/-0.011 χ^2/NDF: 2981247.9/45

All: 82.591+/-0.008 χ^2/NDF: 5137068.8/93

\- sign 82.127+/-0.011 χ^2/NDF: 2152295.7/47

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.007+/-0.036 χ^2/NDF: 19.7/20

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.009+/-0.033 χ^2/NDF: 31.1/24

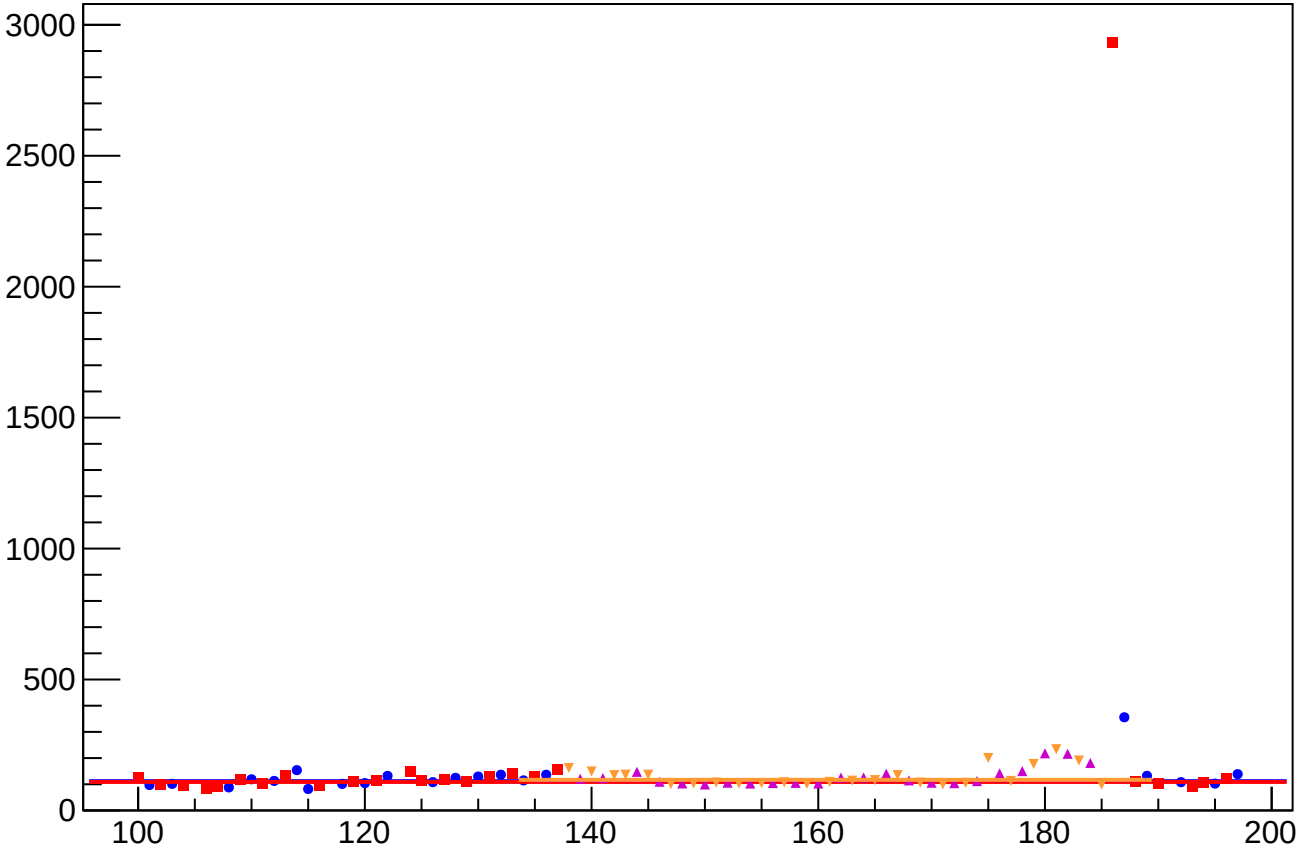
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.006+/-0.022 χ^2/NDF: 41.0/45

All: 0.002+/-0.015 χ^2/NDF: 103.6/93

- sign -0.002+/-0.022 χ^2/NDF: 62.6/47

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 111.760+/-0.025 χ^2/NDF: 435904.2/20

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 108.956+/-0.024 χ^2/NDF: 1153914.8/24

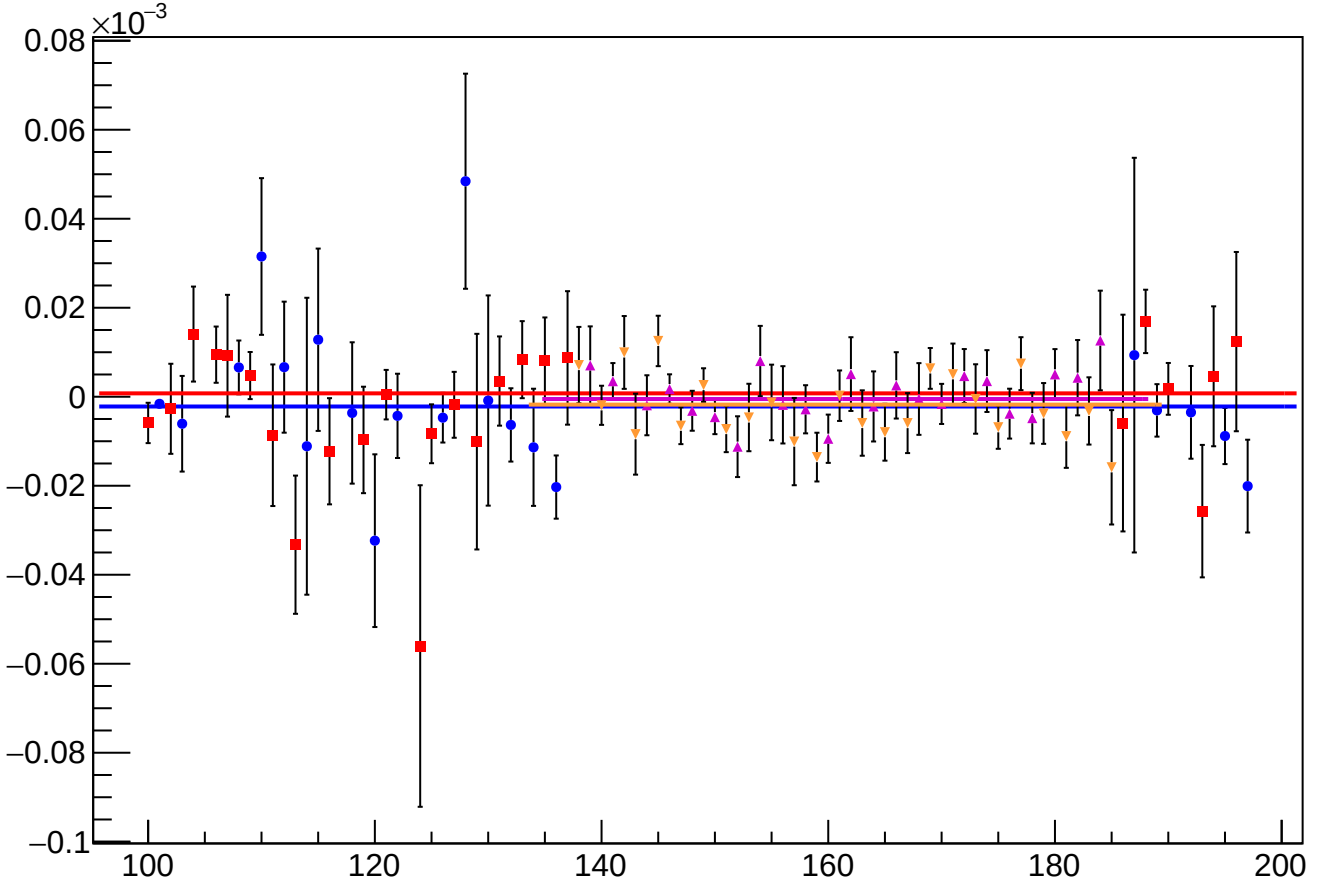
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 114.960+/-0.016 χ^2/NDF: 2058346.9/45

All: 113.956+/-0.011 χ^2/NDF: 4501774.8/93

- sign 112.989+/-0.015 χ^2/NDF: 2435213.6/47

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/24

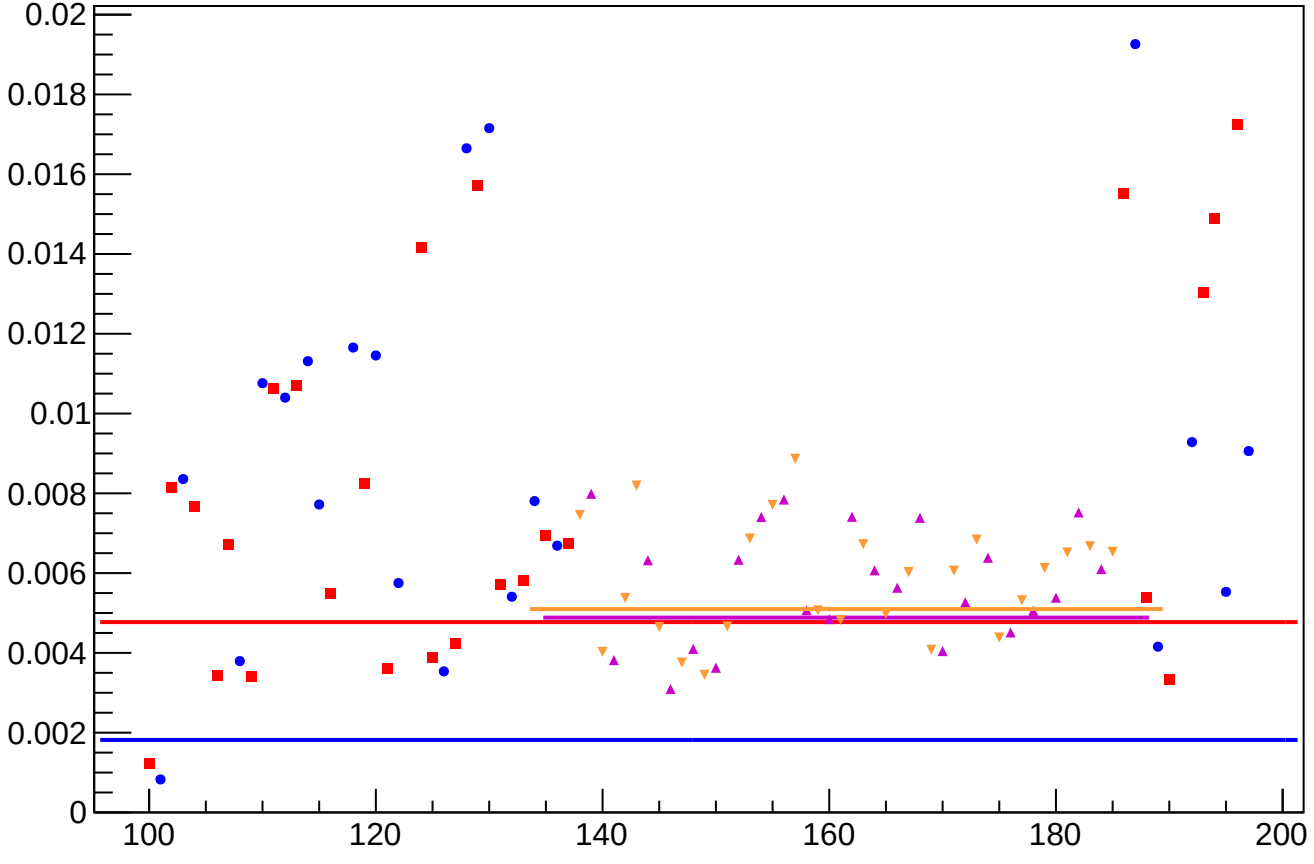
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.8/45

All: -0.000+/-0.000 χ^2/NDF: 104.1/93

- sign -0.000+/-0.000 χ^2/NDF: 44.9/47

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 12706698.0/20

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 6192872.6/24

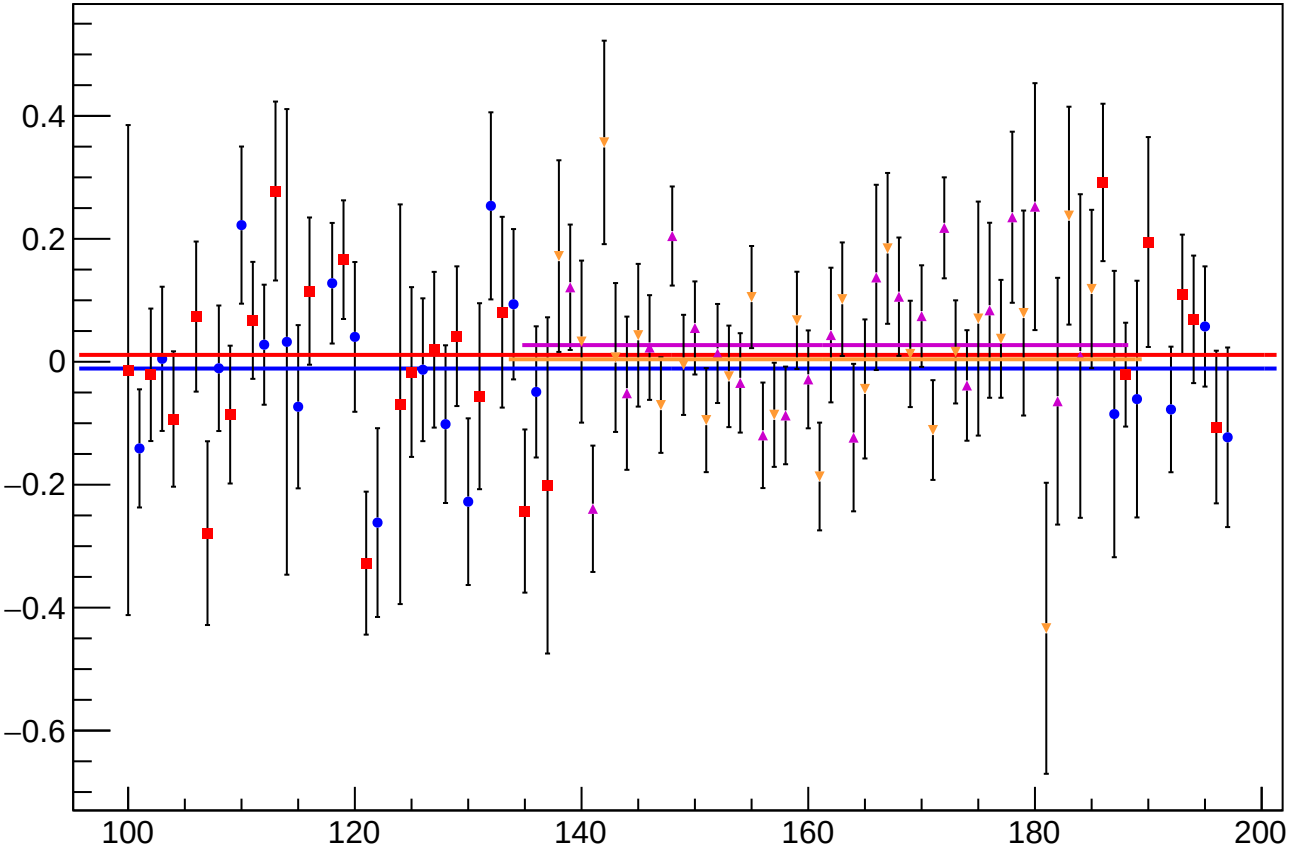
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 24231698.1/45

All: 0.004+/-0.000 χ^2/NDF: 37396916.1/93

- sign 0.005+/-0.000 χ^2/NDF: 8924022.4/47

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.027 χ^2/NDF: 19.0/20

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

Right Out: 0.011+/-0.025 χ^2/NDF: 34.5/24

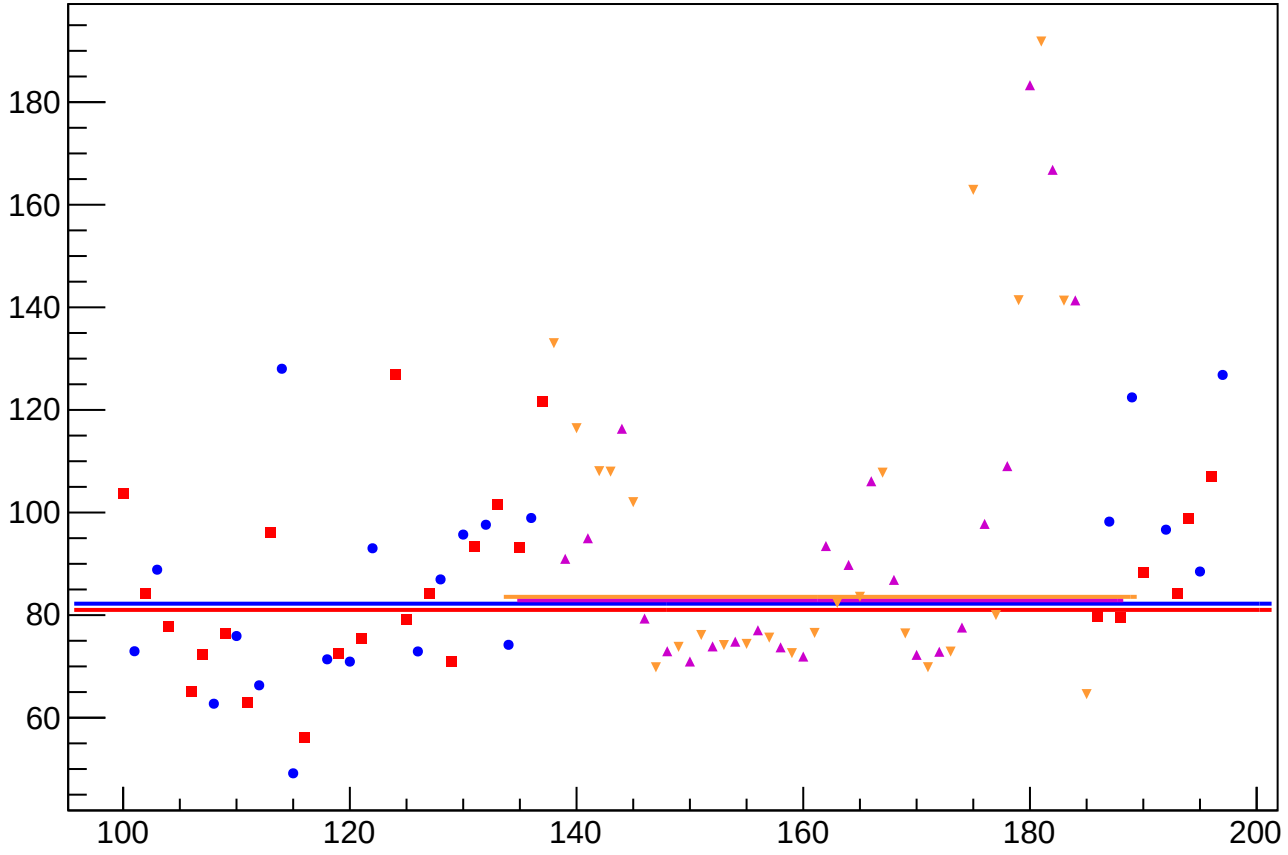
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.001+/-0.016 χ^2/NDF: 47.4/45

All: 0.010+/-0.011 χ^2/NDF: 115.0/93

- sign 0.021+/-0.016 χ^2/NDF: 66.7/47

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 82.230+/-0.019 χ^2/NDF: 805179.8/20

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

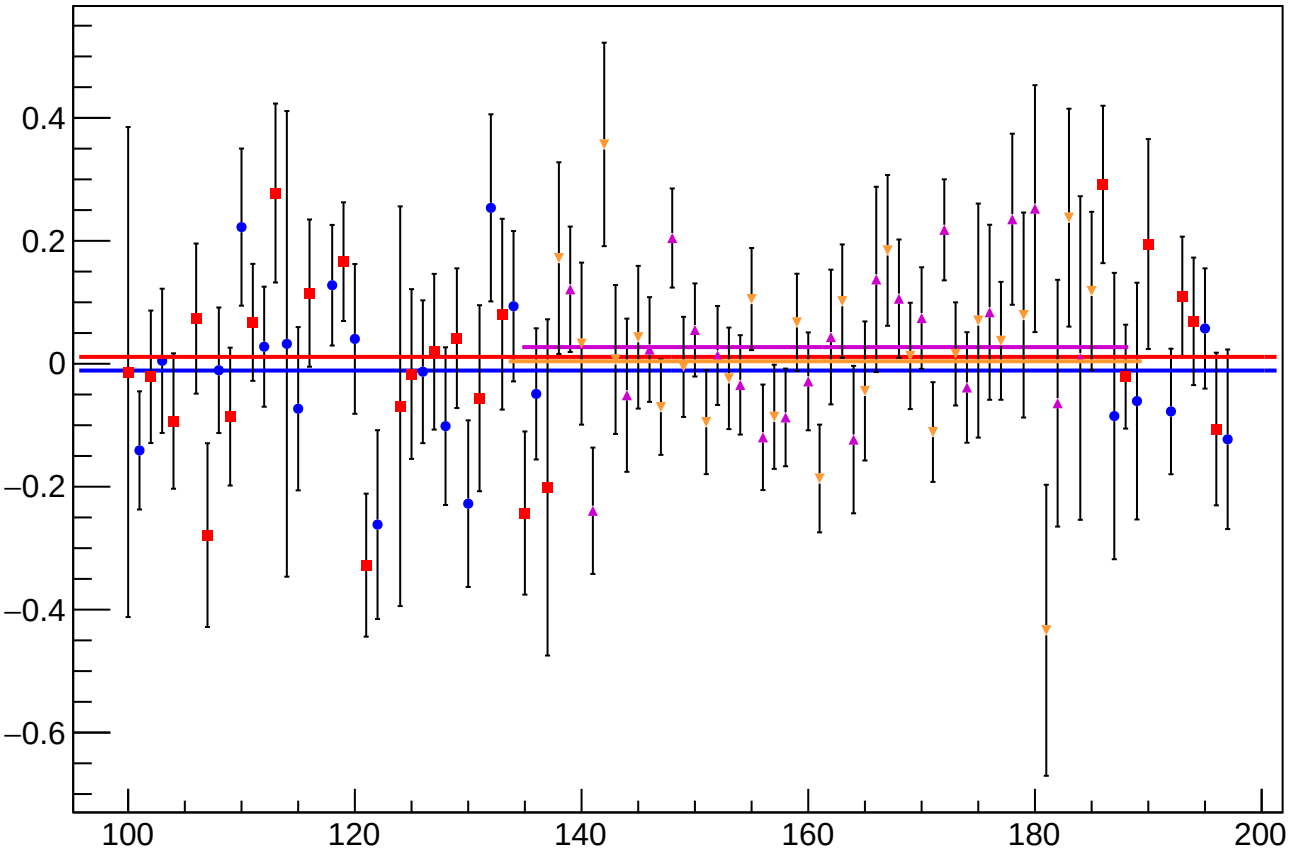
Right Out: 81.017+/-0.018 χ^2/NDF: 572528.5/24

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

+ sign 83.077+/-0.011 χ^2/NDF: 2981264.3/45

All: 82.591+/-0.008 χ^2/NDF: 5137081.2/93

- sign 82.127+/-0.011 χ^2/NDF: 2152290.5/47



Right In: -0.011+/-0.027 χ^2/NDF: 19.0/20

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

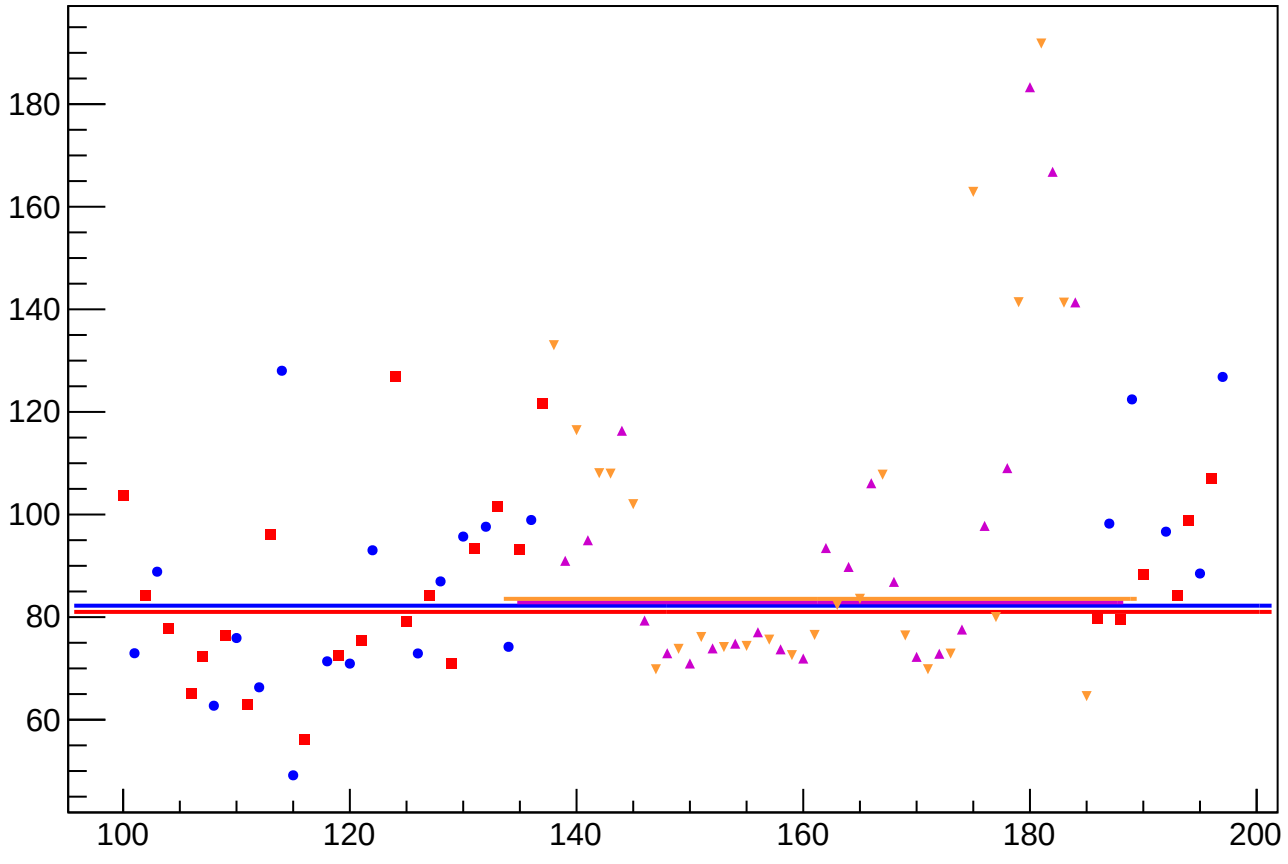
Right Out: 0.011+/-0.025 χ^2/NDF: 34.5/24

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

+ sign -0.001+/-0.016 χ^2/NDF: 47.4/45

All: 0.010+/-0.011 χ^2/NDF: 115.0/93

- sign 0.021+/-0.016 χ^2/NDF: 66.7/47



Right In: 82.230+/-0.019 χ^2/NDF: 805179.8/20

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

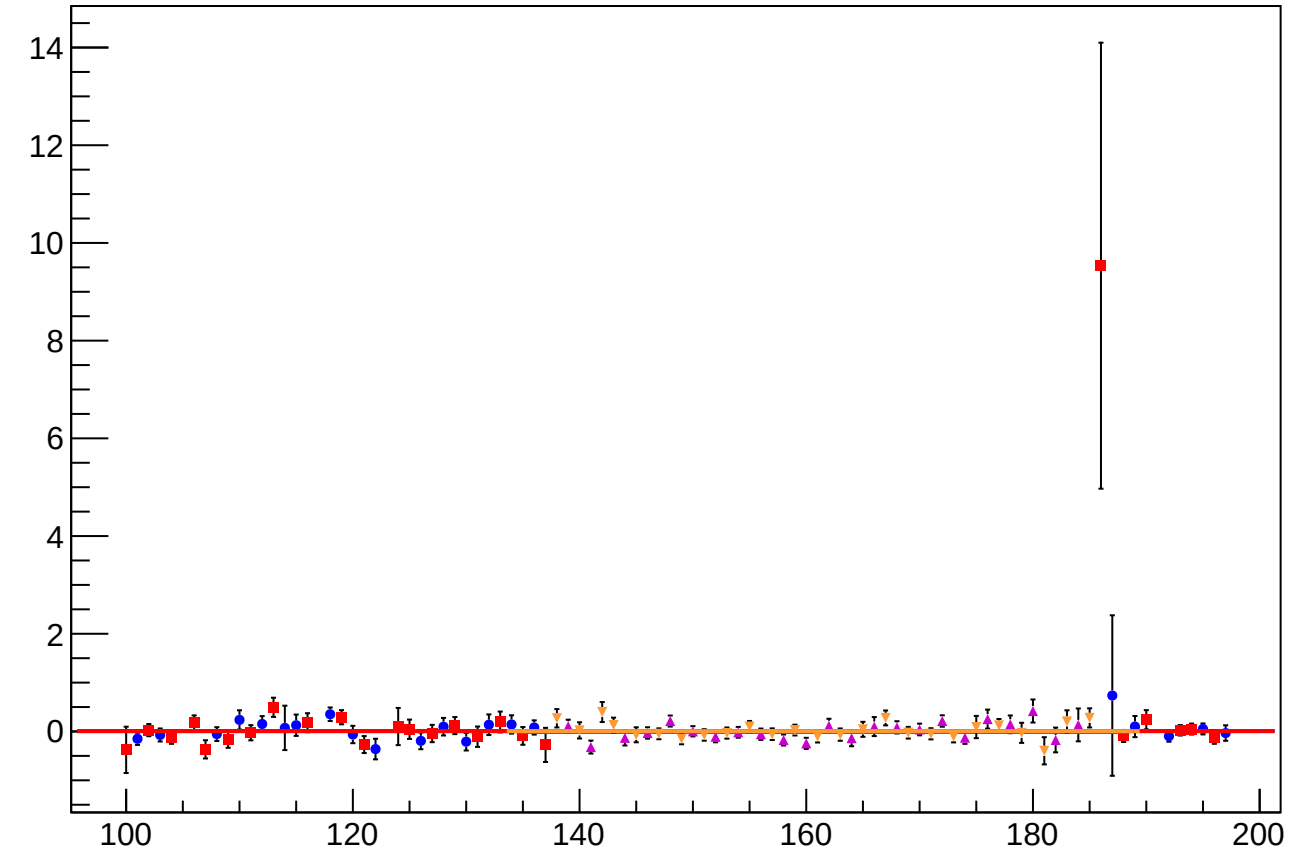
Right Out: 81.017+/-0.018 χ^2/NDF: 572528.5/24

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

+ sign 83.077+/-0.011 χ^2/NDF: 2981264.3/45

All: 82.591+/-0.008 χ^2/NDF: 5137081.2/93

- sign 82.127+/-0.011 χ^2/NDF: 2152290.5/47



Right In: 0.007+/-0.036 χ^2/NDF: 19.7/20

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.009+/-0.033 χ^2/NDF: 31.1/24

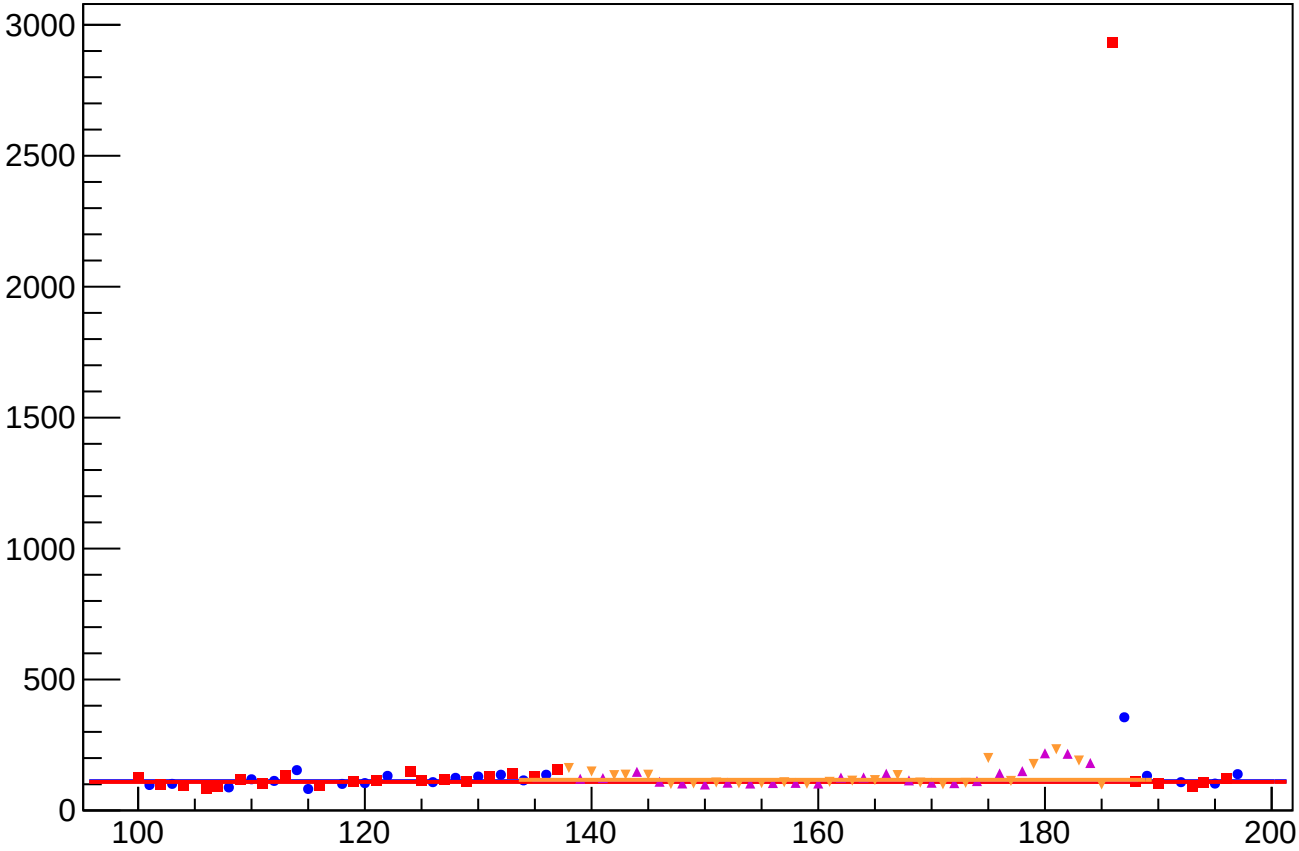
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.006+/-0.022 χ^2/NDF: 41.0/45

All: 0.002+/-0.015 χ^2/NDF: 103.6/93

- sign -0.002+/-0.022 χ^2/NDF: 62.6/47

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 111.759+/-0.025 χ^2/NDF: 435881.9/20

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

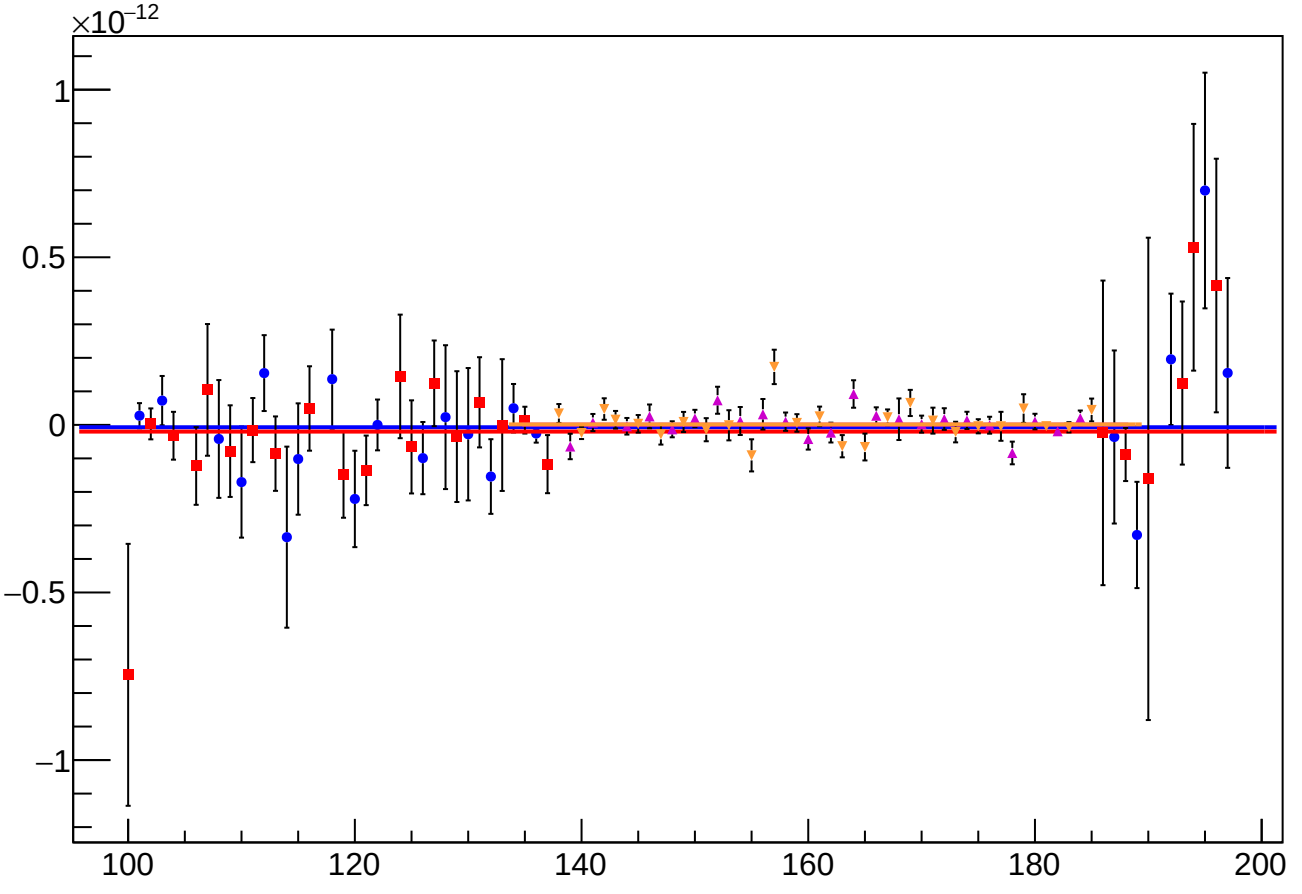
Right Out: 108.955+/-0.024 χ^2/NDF: 1153885.3/24

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 114.960+/-0.016 χ^2/NDF: 2058333.7/45

All: 113.956+/-0.011 χ^2/NDF: 4501736.9/93

- sign 112.989+/-0.015 χ^2/NDF: 2435189.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

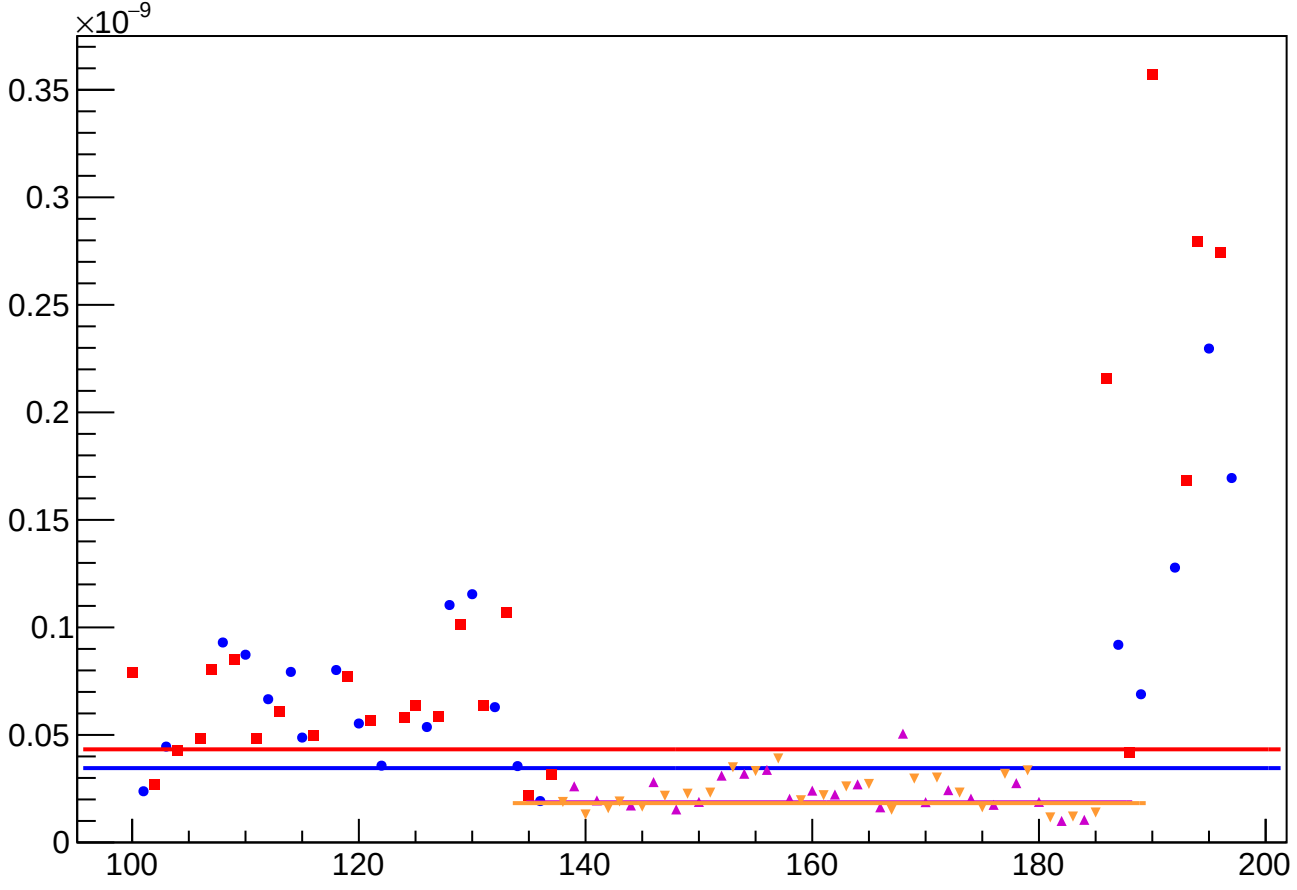
Right Out: -0.000+/-0.000 χ^2/NDF: 17.3/24

Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/45

All: -0.000+/-0.000 χ^2/NDF: 105.0/93

- sign -0.000+/-0.000 χ^2/NDF: 45.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 4214675.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

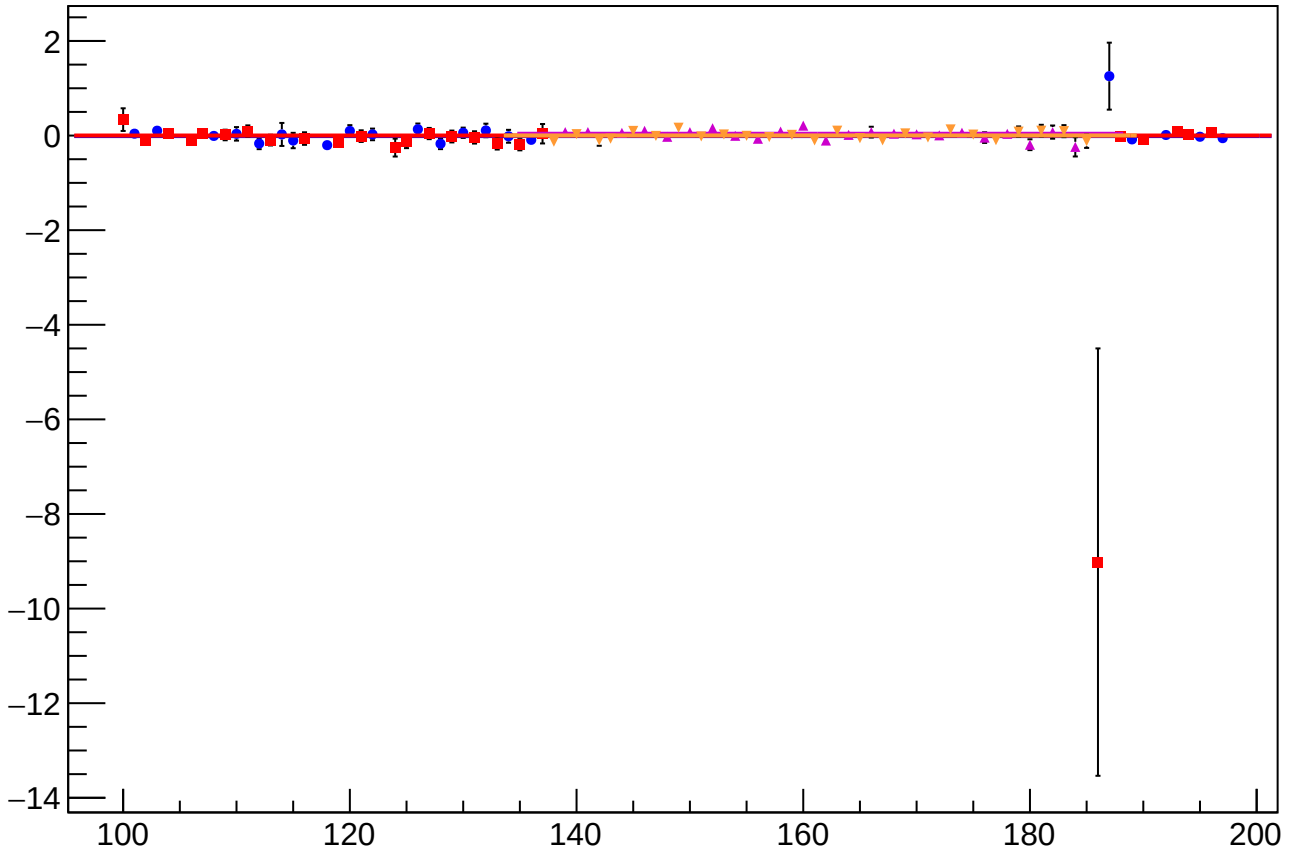
Right Out: 0.000+/-0.000 χ^2/NDF: 4676259.4/24

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8801554.4/45

All: 0.000+/-0.000 χ^2/NDF: 19150954.6/93

- sign 0.000+/-0.000 χ^2/NDF: 10328622.1/47



Right In: -0.011+/-0.018 χ^2/NDF: 22.6/20

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.001+/-0.016 χ^2/NDF: 32.8/24

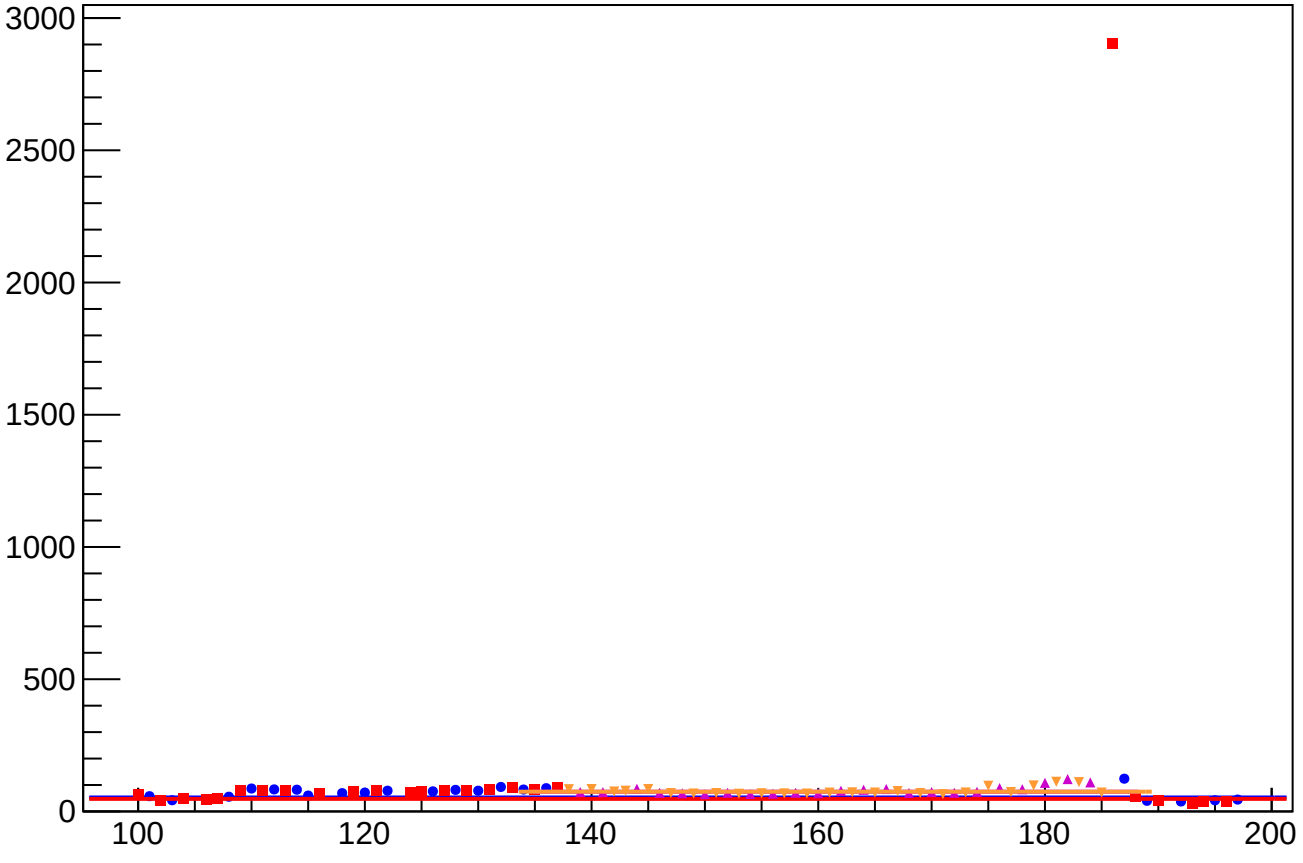
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.004+/-0.012 χ^2/NDF: 44.4/45

All: 0.007+/-0.009 χ^2/NDF: 102.8/93

- sign 0.017+/-0.012 χ^2/NDF: 56.9/47

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 52.818+/-0.012 χ^2/NDF: 1940454.5/20

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

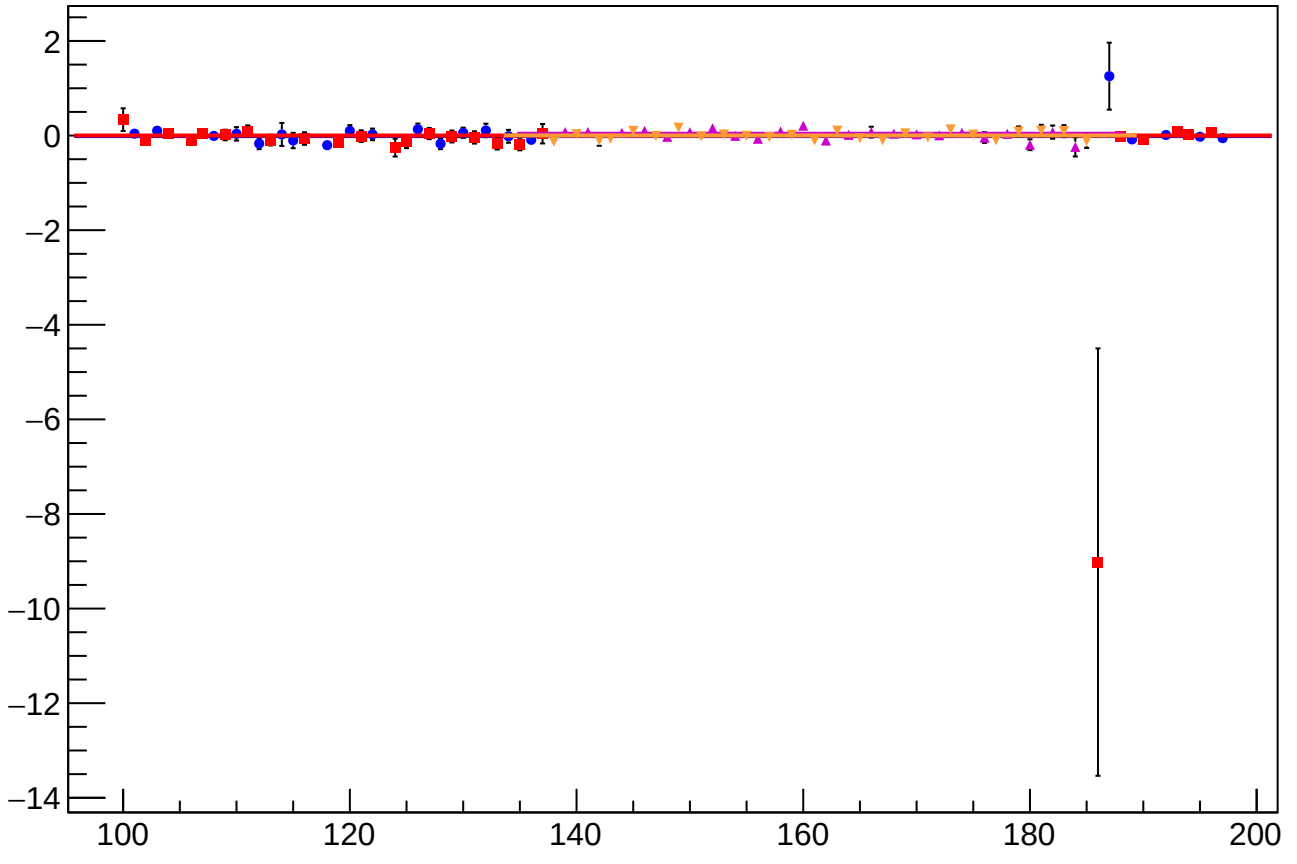
Right Out: 47.646+/-0.011 χ^2/NDF: 3483304.1/24

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 63.869+/-0.009 χ^2/NDF: 4256269.1/45

All: 61.511+/-0.006 χ^2/NDF: 11161694.2/93

- sign 59.370+/-0.008 χ^2/NDF: 6766738.7/47



Right In: -0.011+/-0.018 χ^2/NDF: 22.6/20

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.001+/-0.016 χ^2/NDF: 32.8/24

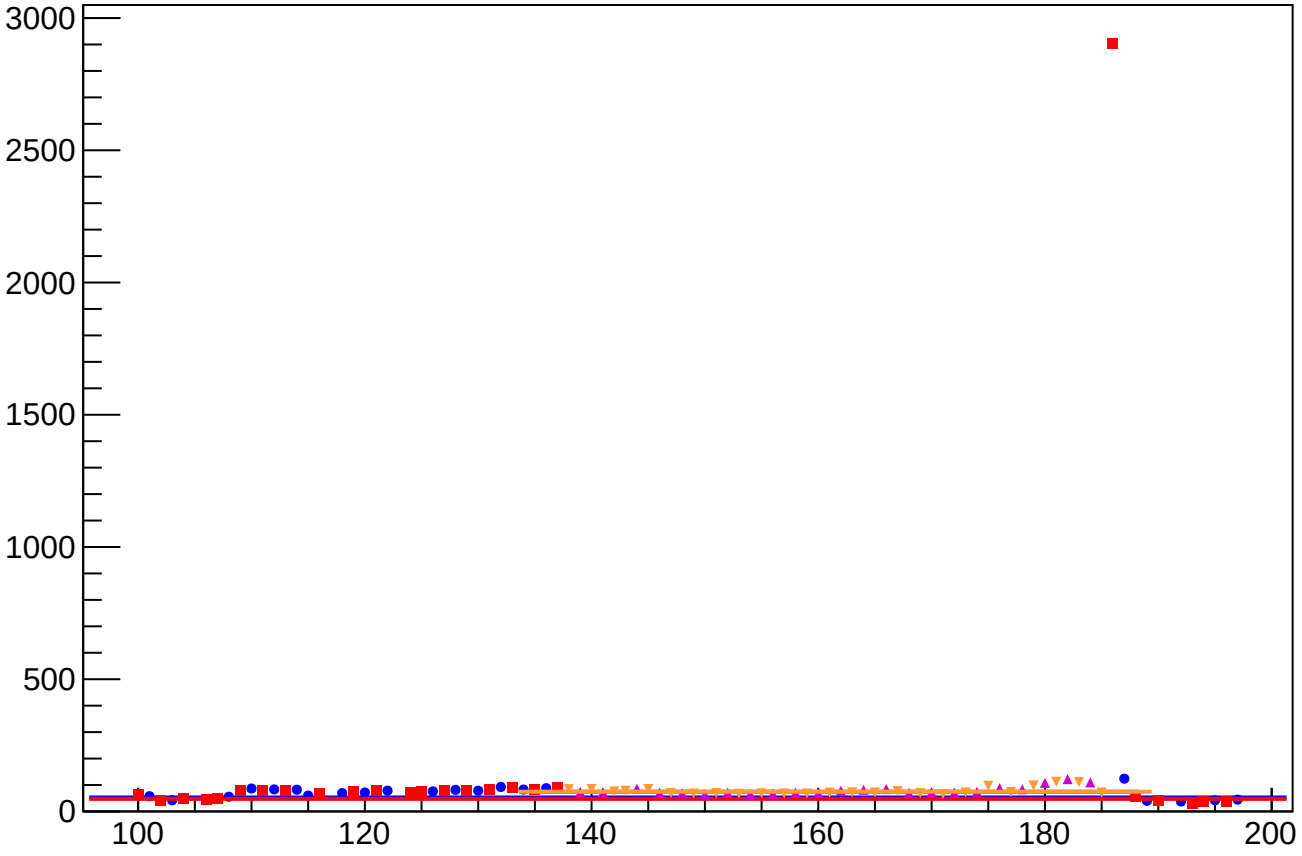
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.004+/-0.012 χ^2/NDF: 44.4/45

All: 0.007+/-0.009 χ^2/NDF: 102.8/93

- sign 0.017+/-0.012 χ^2/NDF: 56.9/47

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 52.818+/-0.012 χ^2/NDF: 1940454.5/20

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 47.646+/-0.011 χ^2/NDF: 3483304.1/24

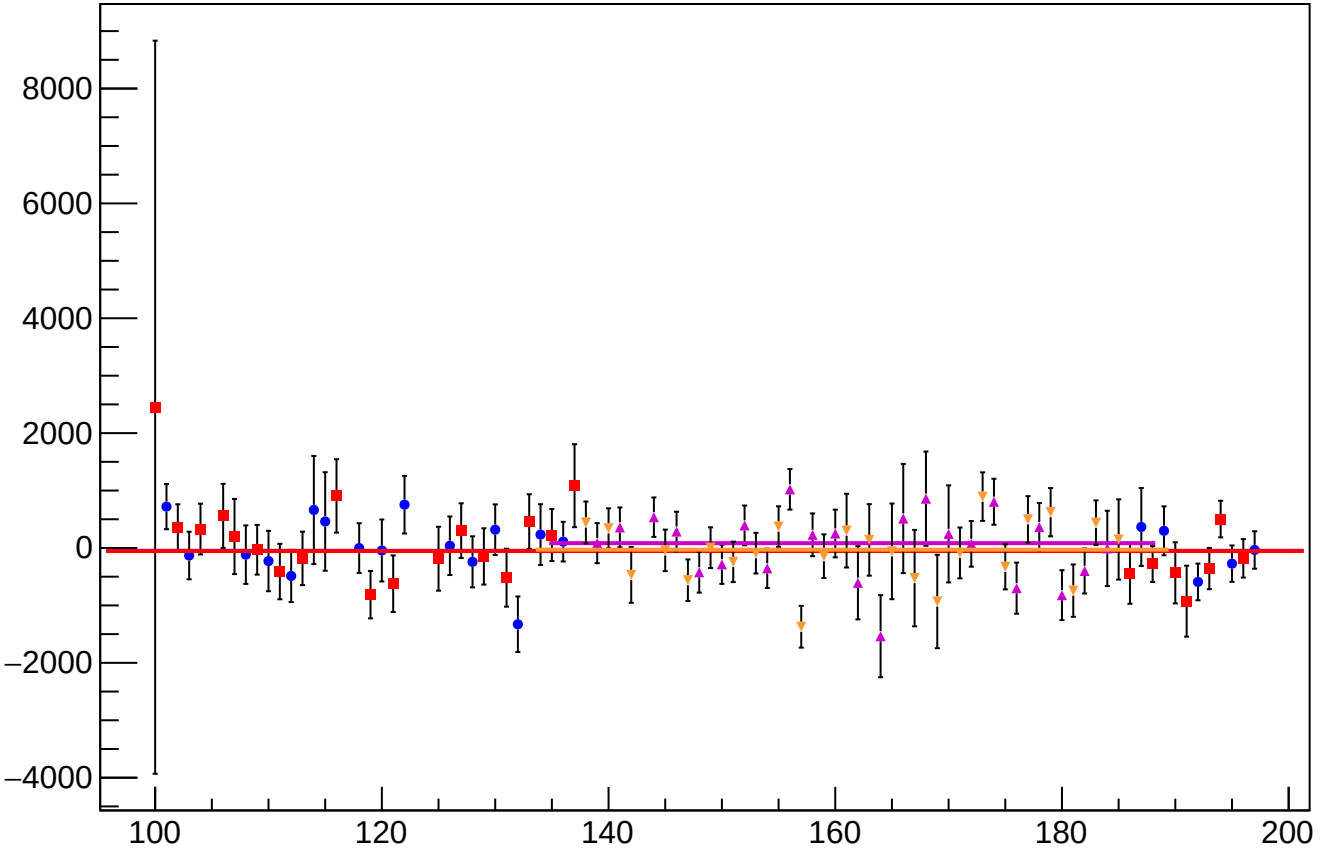
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 63.869+/-0.009 χ^2/NDF: 4256269.1/45

All: 61.511+/-0.006 χ^2/NDF: 11161694.2/93

- sign 59.370+/-0.008 χ^2/NDF: 6766738.7/47

asym_dsl_mean vs Slug



Right In: -49.697+/-96.686 χ^2/NDF: 21.3/20

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -53.244+/-92.532 χ^2/NDF: 23.9/24

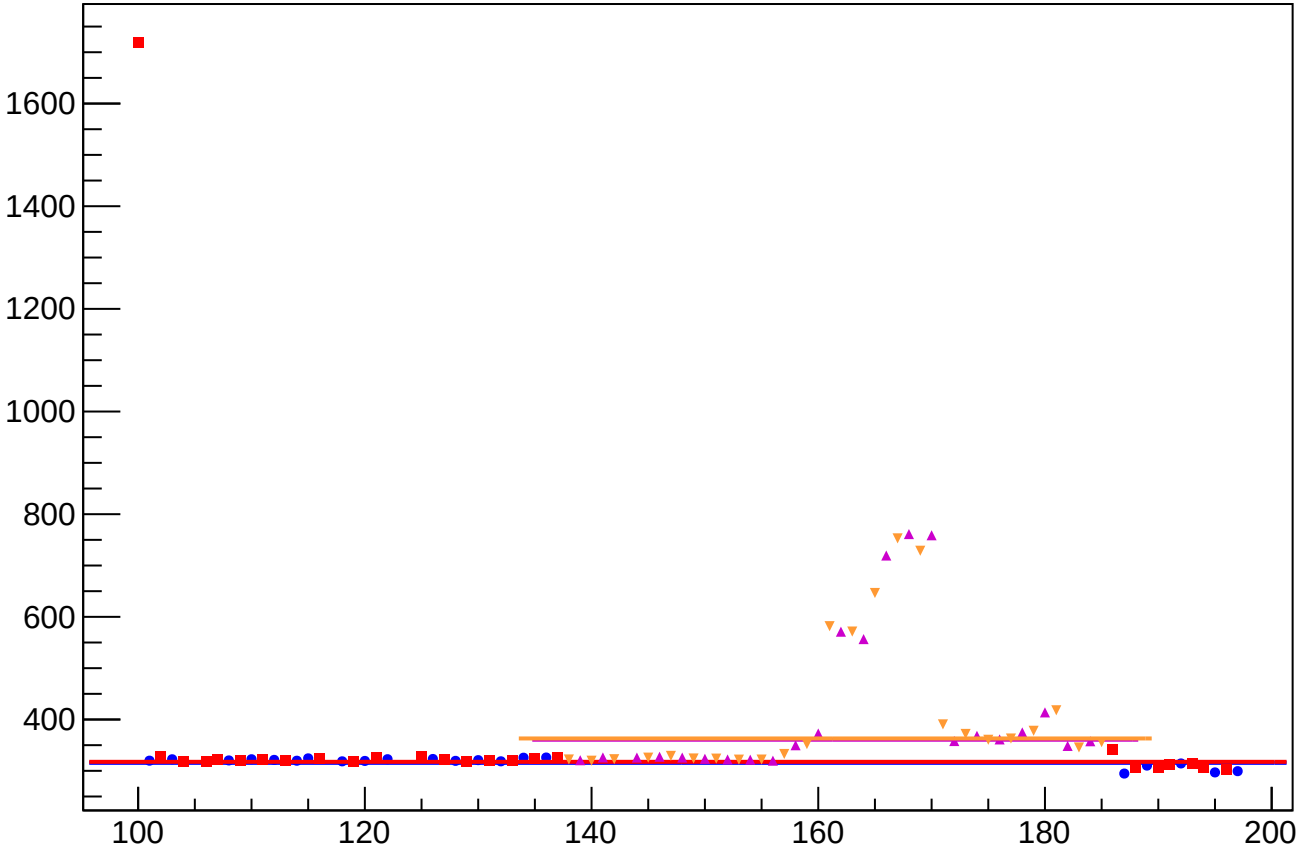
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

\+ sign -38.397+/-64.478 χ^2/NDF: 57.8/44

All: -8.673+/-45.127 χ^2/NDF: 119.1/92

\- sign 19.866+/-63.180 χ^2/NDF: 60.9/47

asym_dsl_rms vs Slug



Right In: 315.557+/-0.068 χ^2/NDF: 20015.6/20

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 317.559+/-0.065 χ^2/NDF: 114532.7/24

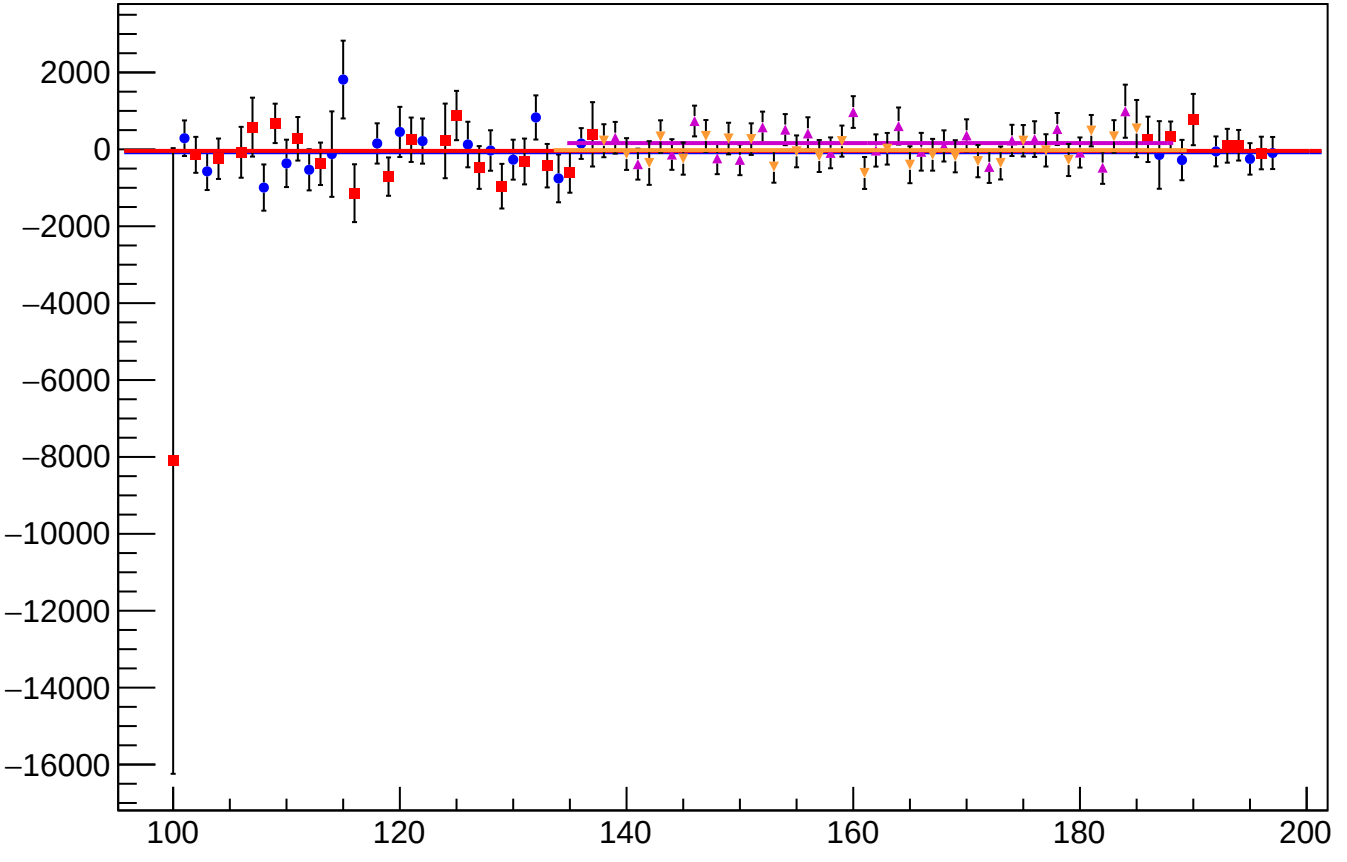
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 341.944+/-0.046 χ^2/NDF: 2083864.4/44

All: 341.221+/-0.032 χ^2/NDF: 4247407.6/92

- sign 340.526+/-0.045 χ^2/NDF: 2163049.6/47

asym_dsr_mean vs Slug



Right In: -75.242+/-116.477 χ^2/NDF: 14.1/20

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -40.009+/-111.440 χ^2/NDF: 18.8/24

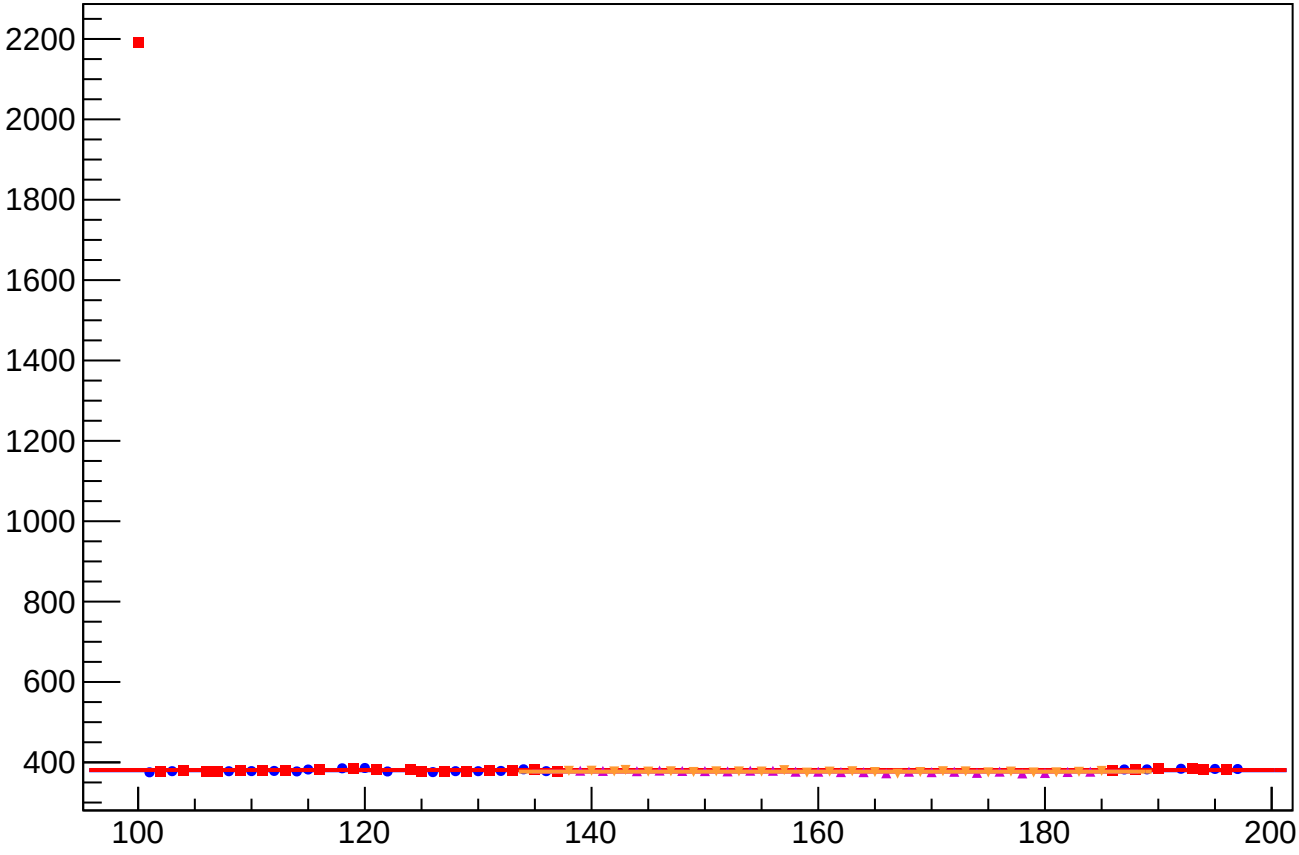
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -40.067+/-68.987 χ^2/NDF: 26.9/45

All: 22.418+/-48.807 χ^2/NDF: 71.2/93

- sign 85.034+/-69.059 χ^2/NDF: 42.6/47

asym_dsr_rms vs Slug



Right In: 380.335+/-0.082 χ^2/NDF: 1517.8/20

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.001+/-0.079 χ^2/NDF: 100130.3/24

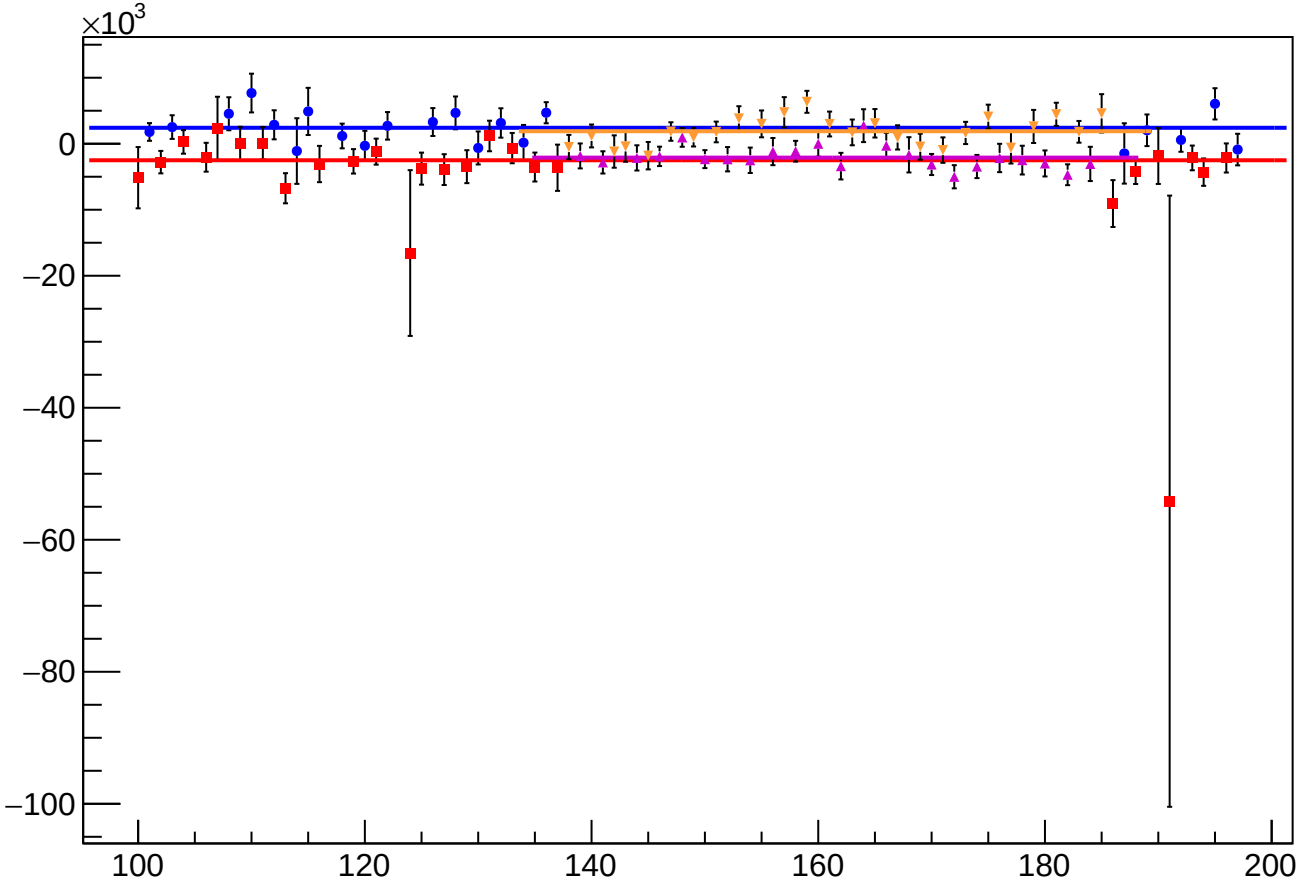
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 378.109+/-0.049 χ^2/NDF: 3701.7/45

All: 378.275+/-0.035 χ^2/NDF: 106641.7/93

- sign 378.441+/-0.049 χ^2/NDF: 102916.8/47

asym_us_agg_avg_mean vs Slug



Right In: 2417.277+/-480.019 χ^2/NDF: 18.5/20

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2504.675+/-472.945 χ^2/NDF: 21.7/25

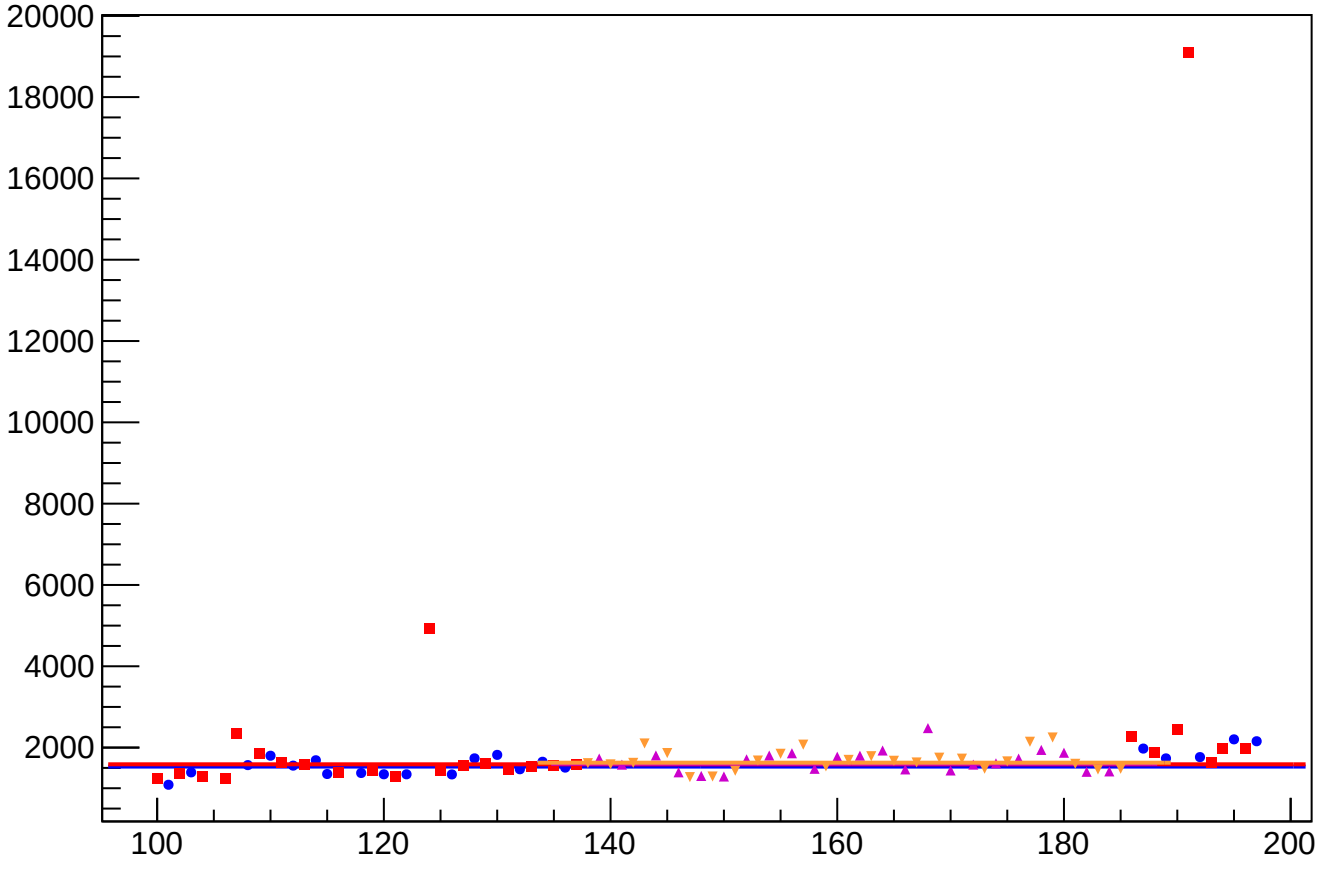
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2090.775+/-295.655 χ^2/NDF: 47.6/45

All: -84.504+/-209.103 χ^2/NDF: 196.6/94

- sign -2261.573+/-295.777 χ^2/NDF: 40.7/48

asym_us_agg_avg_rms vs Slug



Right In: 1532.975+/-0.339 χ^2/NDF: 729369.4/20

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1588.826+/-0.334 χ^2/NDF: 1075569.7/25

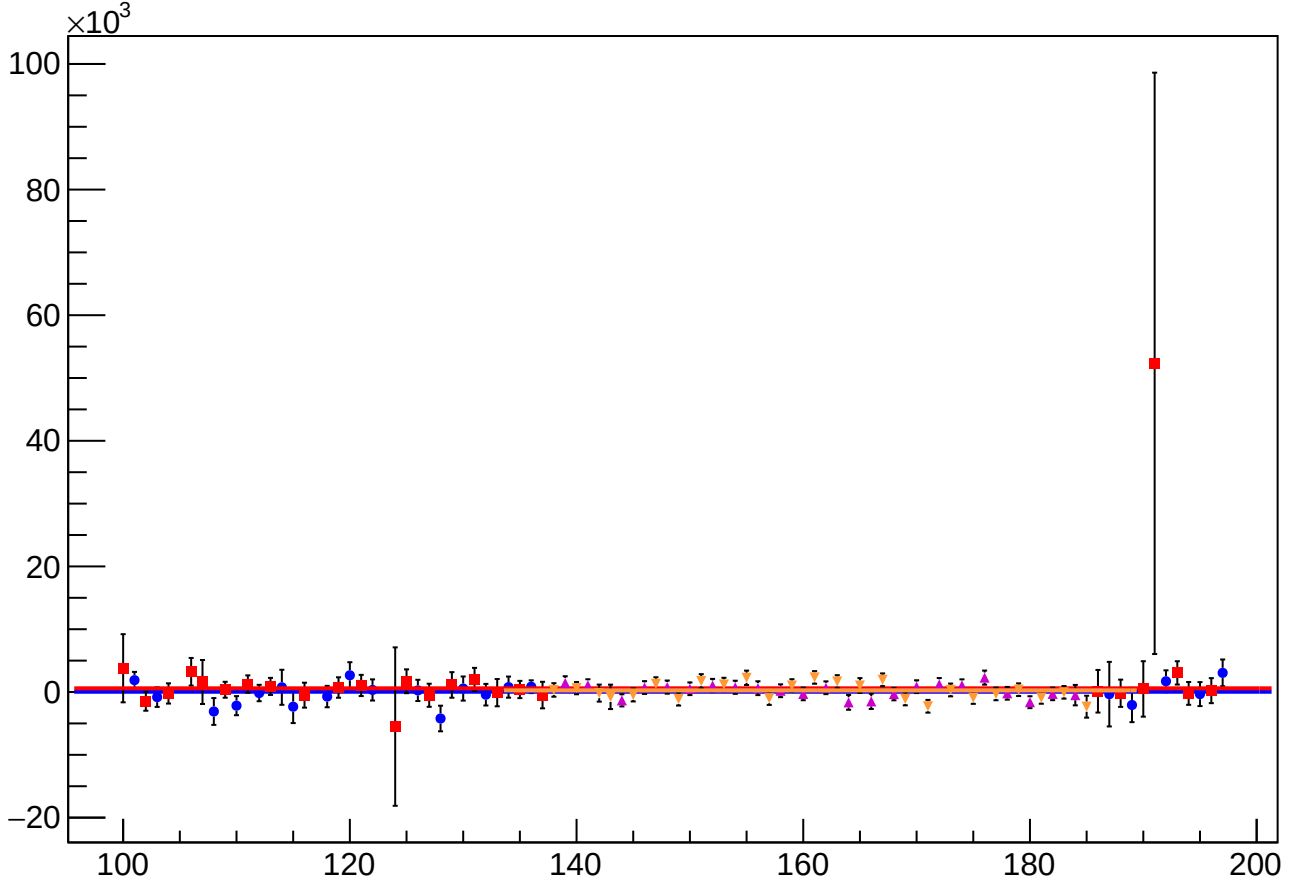
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1592.248+/-0.209 χ^2/NDF: 1557599.1/45

All: 1594.394+/-0.148 χ^2/NDF: 3427976.1/94

- sign 1596.541+/-0.209 χ^2/NDF: 1870166.3/48

asym_us_agg_dd_mean vs Slug



Right In: 45.272+/-379.406 χ^2/NDF: 18.2/20

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 588.298+/-375.155 χ^2/NDF: 10.1/25

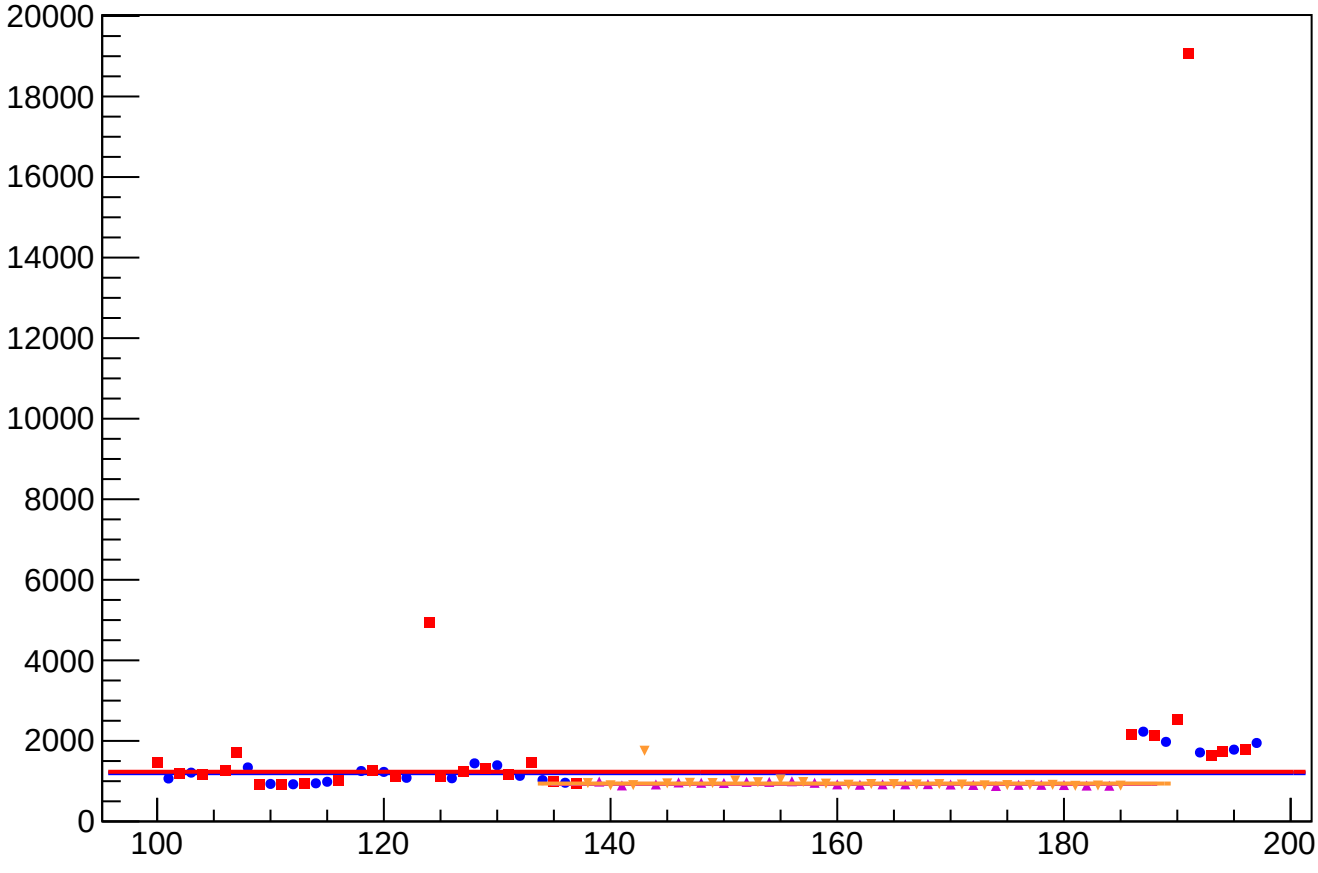
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 209.624+/-187.029 χ^2/NDF: 52.4/45

All: 278.337+/-132.691 χ^2/NDF: 84.7/94

- sign 347.975+/-188.284 χ^2/NDF: 32.1/48

asym_us_agg_dd_rms vs Slug



Right In: 1198.404+/-0.268 χ^2/NDF: 1267495.0/20

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1233.794+/-0.265 χ^2/NDF: 2074054.5/25

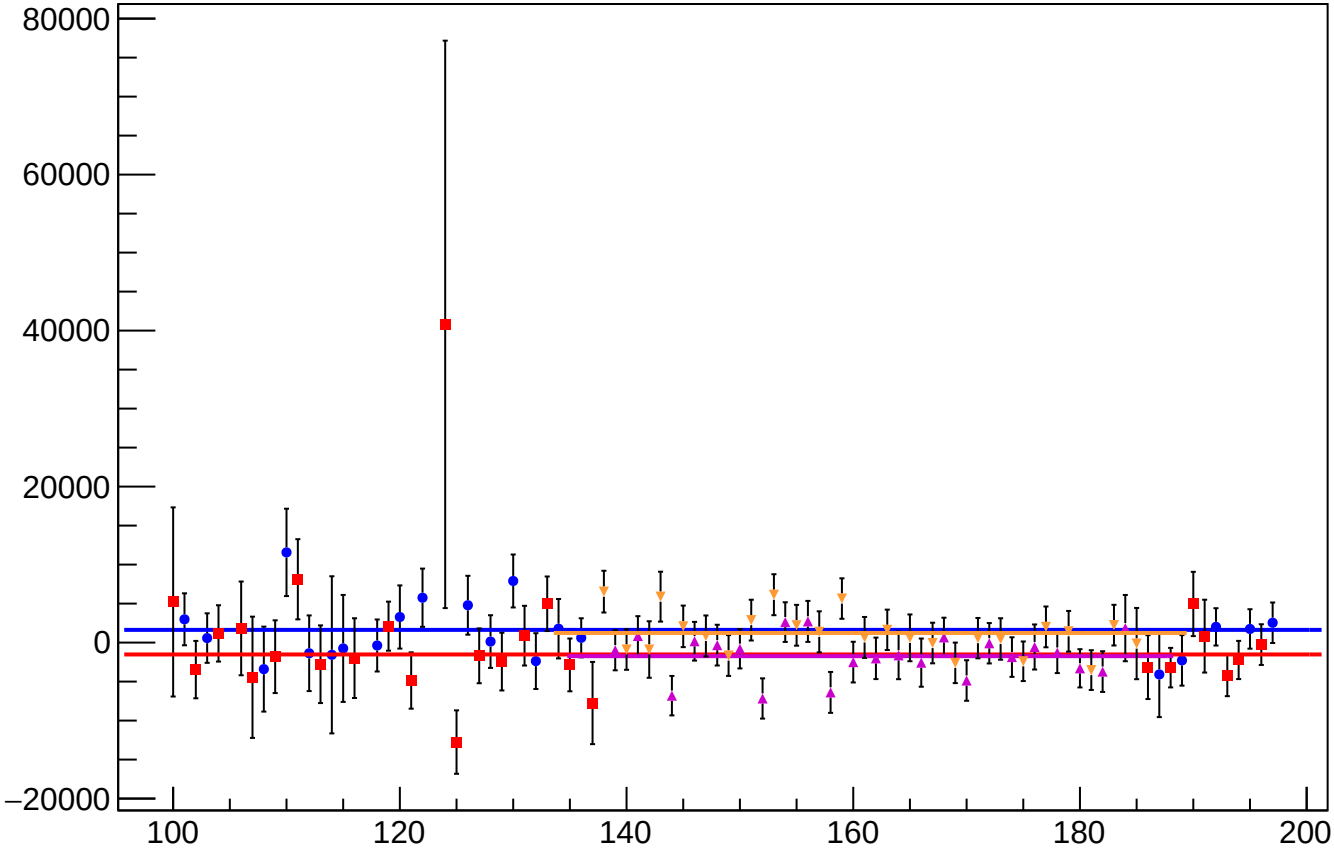
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1003.560+/-0.132 χ^2/NDF: 2381993.0/45

All: 1005.611+/-0.094 χ^2/NDF: 5476531.9/94

- sign 1007.690+/-0.133 χ^2/NDF: 3094054.5/48

reg_asym_atl1_mean vs Slug



Right In: 1629.179+/-764.598 χ^2/NDF: 15.1/20

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1522.377+/-744.680 χ^2/NDF: 26.5/25

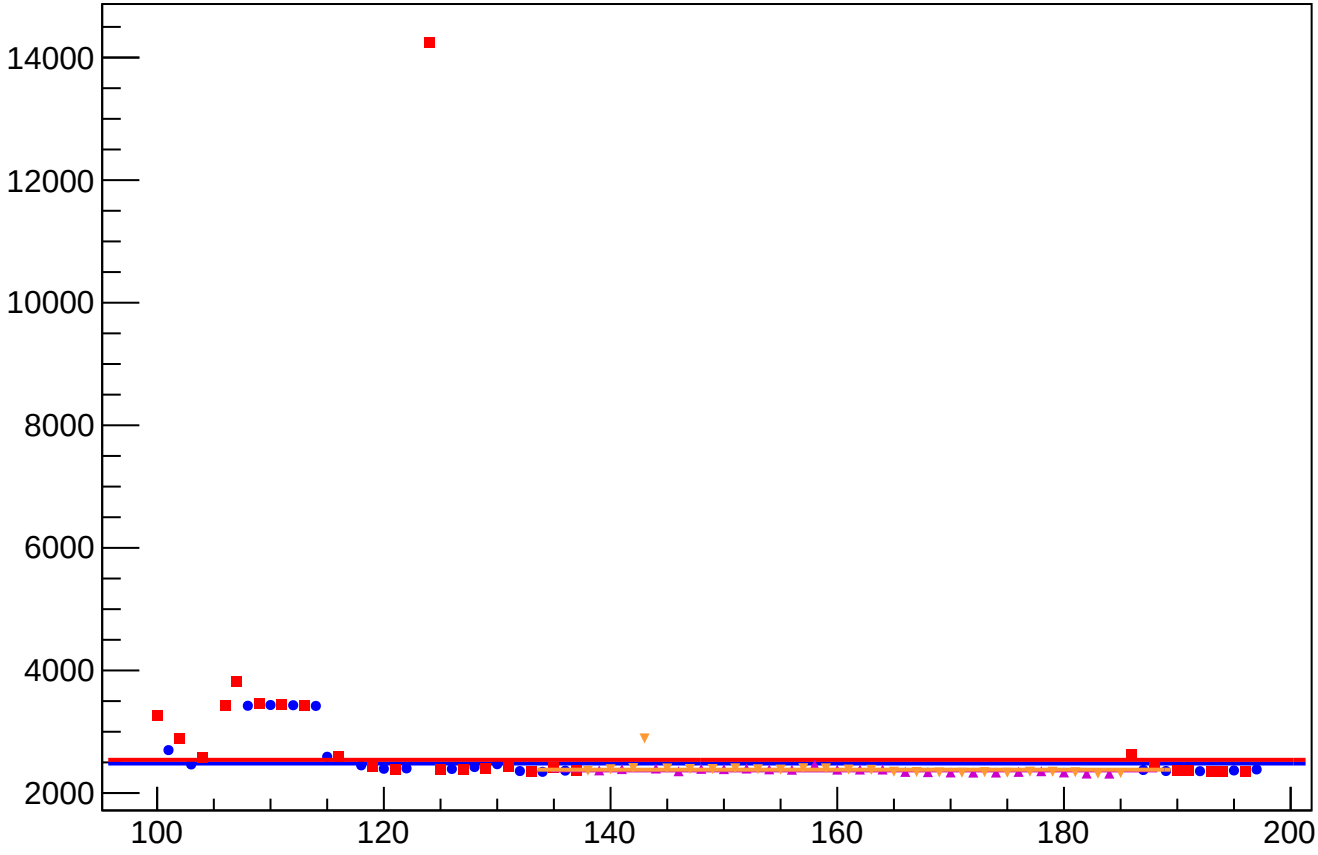
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1366.418+/-441.787 χ^2/NDF: 39.1/45

All: -140.728+/-313.206 χ^2/NDF: 113.4/94

- sign -1663.716+/-444.103 χ^2/NDF: 50.9/48

reg_asym_atl1_rms vs Slug



Right In: 2481.732+/-0.541 χ^2/NDF: 250111.3/20

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2541.884+/-0.527 χ^2/NDF: 599452.9/25

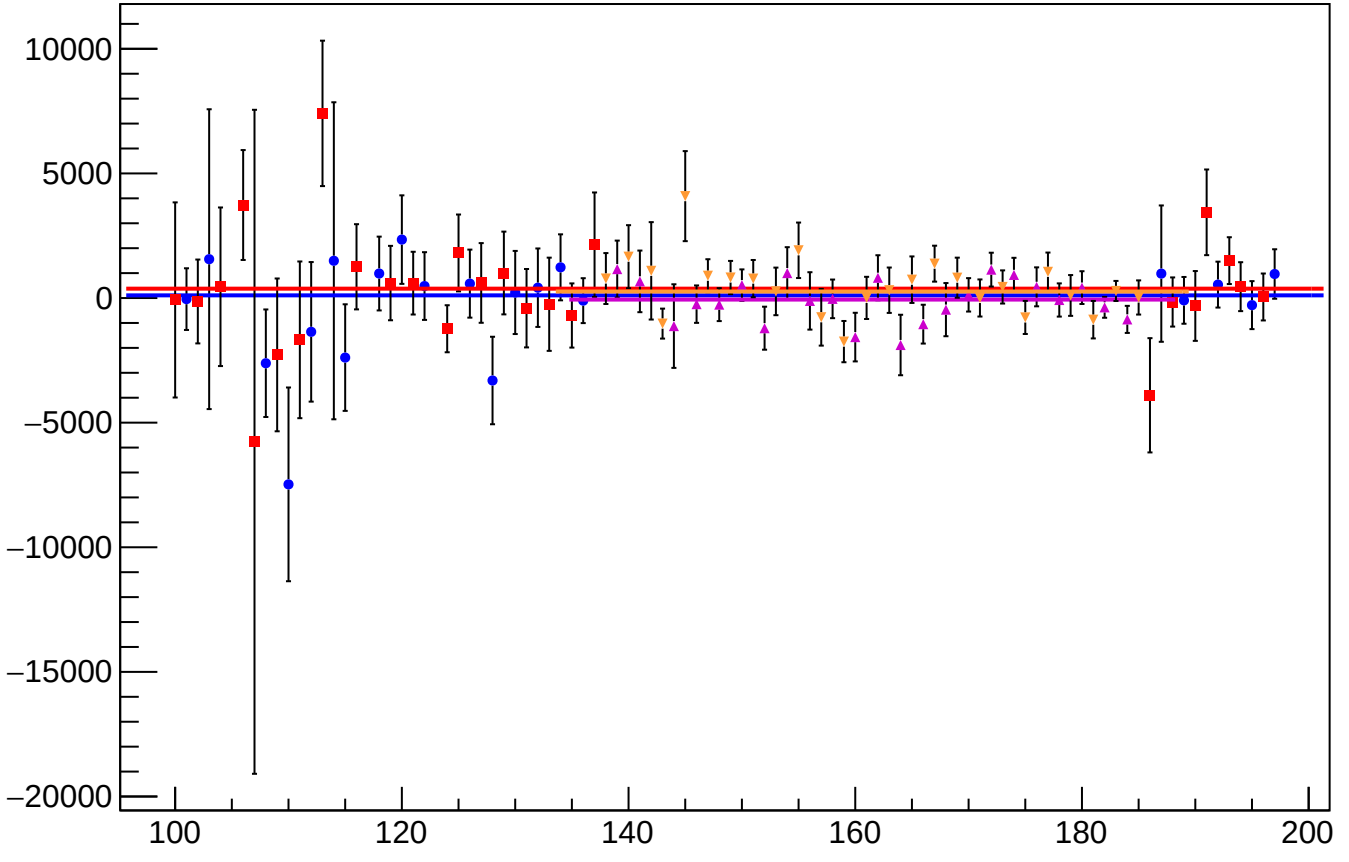
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2414.787+/-0.312 χ^2/NDF: 330750.7/45

All: 2422.719+/-0.221 χ^2/NDF: 1007682.7/94

- sign 2430.734+/-0.314 χ^2/NDF: 675635.7/48

asym_atl1_reg_correction_mean vs Slug



Right In: 107.711+/-306.894 χ^2/NDF: 15.2/20

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 376.241+/-292.827 χ^2/NDF: 24.4/25

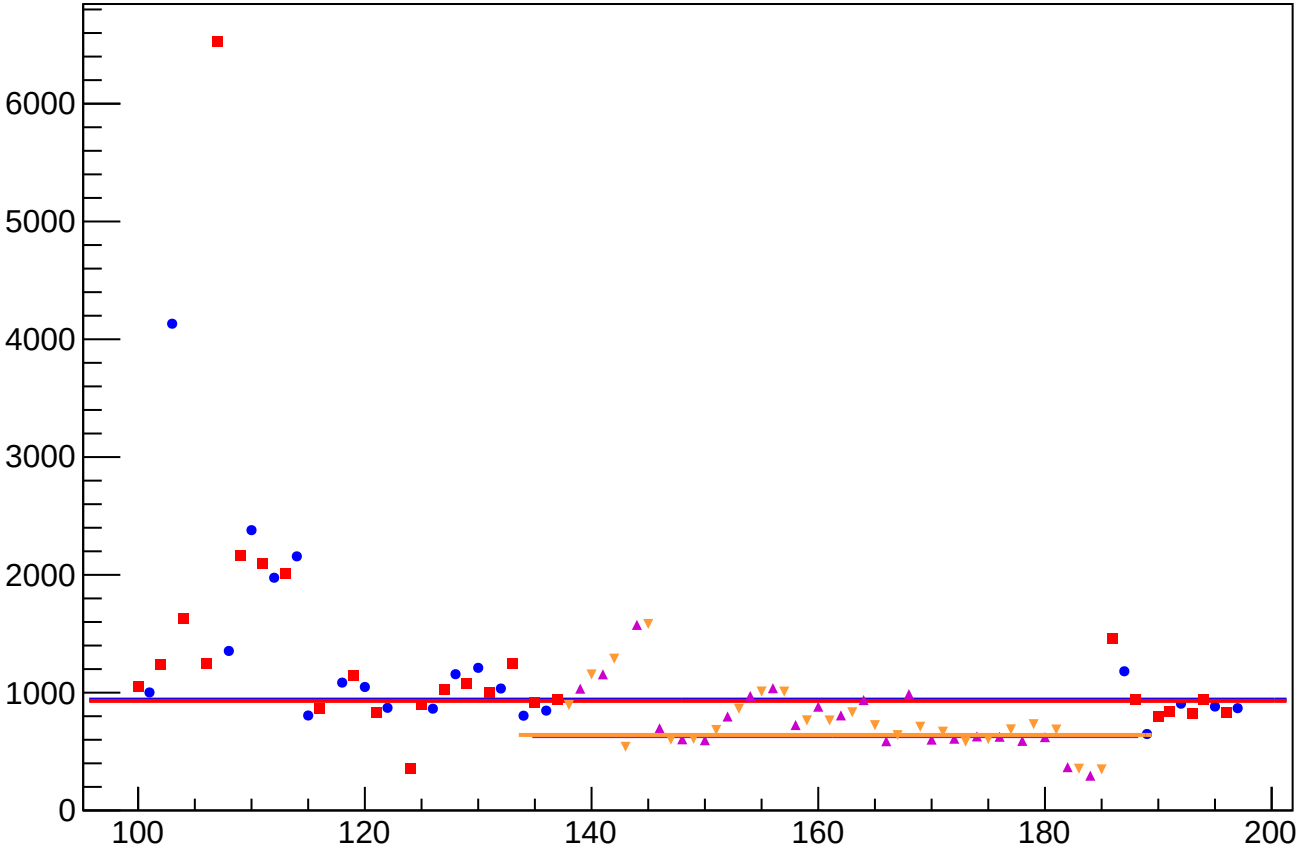
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 230.863+/-137.649 χ^2/NDF: 46.5/45

All: 134.258+/-97.680 χ^2/NDF: 95.6/94

- sign 36.262+/-138.636 χ^2/NDF: 48.1/48

asym_atl1_reg_correction_rms vs Slug



Right In: 940.929+/-0.217 χ^2/NDF: 1669963.1/20

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 930.233+/-0.207 χ^2/NDF: 2504422.0/25

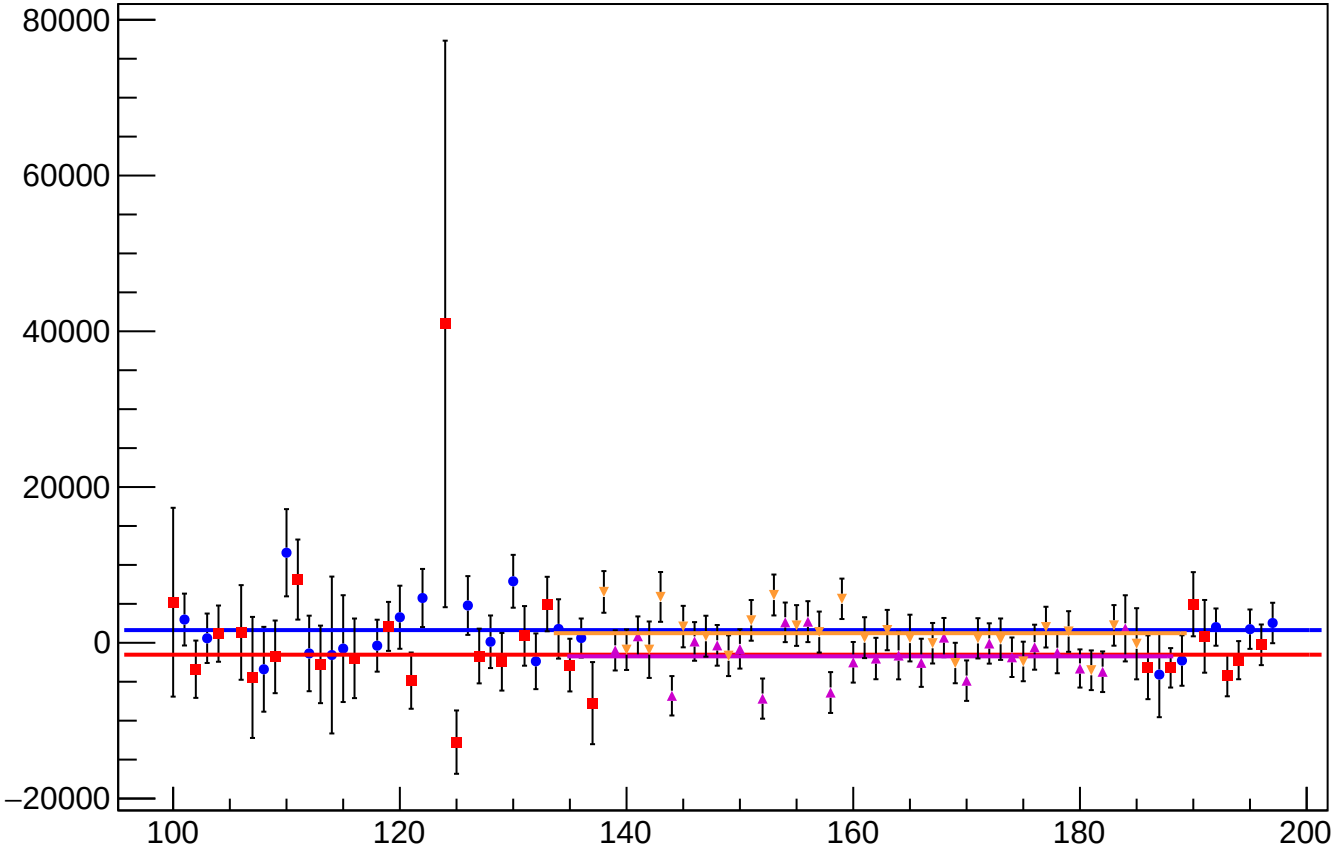
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 701.463+/-0.097 χ^2/NDF: 6669199.3/45

All: 699.856+/-0.069 χ^2/NDF: 14767807.6/94

- sign 698.226+/-0.098 χ^2/NDF: 8098059.4/48

cor_asym_atl1_mean vs Slug



Right In: 1629.409+/-764.598 χ^2/NDF: 15.1/20

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1527.937+/-744.810 χ^2/NDF: 26.4/25

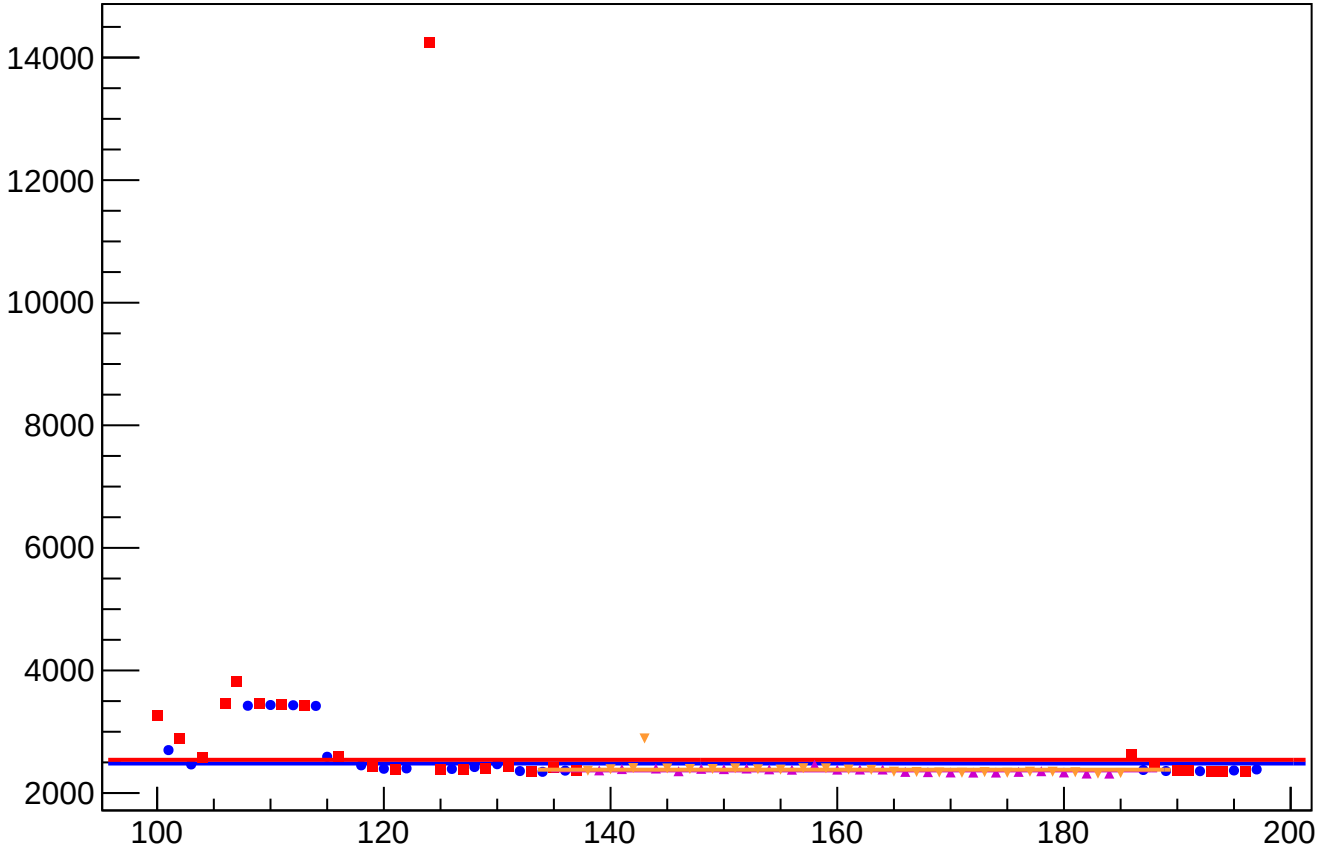
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1366.480+/-441.787 χ^2/NDF: 39.1/45

All: -141.612+/-313.216 χ^2/NDF: 113.3/94

- sign -1665.745+/-444.131 χ^2/NDF: 50.8/48

cor_asym_atl1_rms vs Slug



Right In: 2481.732+/-0.541 χ^2/NDF: 250111.3/20

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2542.165+/-0.527 χ^2/NDF: 602259.1/25

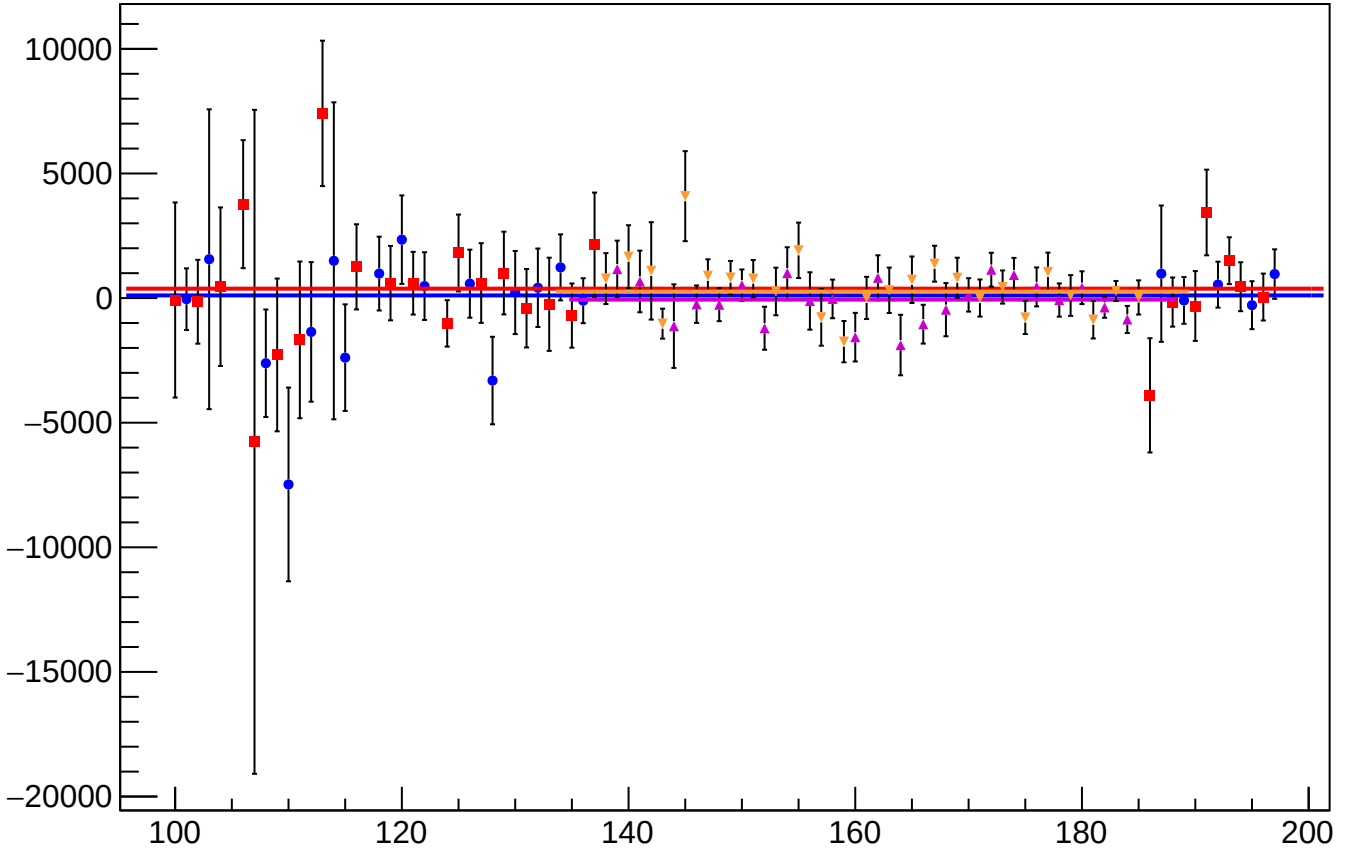
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2414.787+/-0.312 χ^2/NDF: 330750.7/45

All: 2422.762+/-0.221 χ^2/NDF: 1010713.2/94

- sign 2430.821+/-0.314 χ^2/NDF: 678652.2/48

asym_atl1_cor_correction_mean vs Slug



Right In: 107.648+/-306.894 χ^2/NDF: 15.2/20

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 378.030+/-293.131 χ^2/NDF: 23.2/25

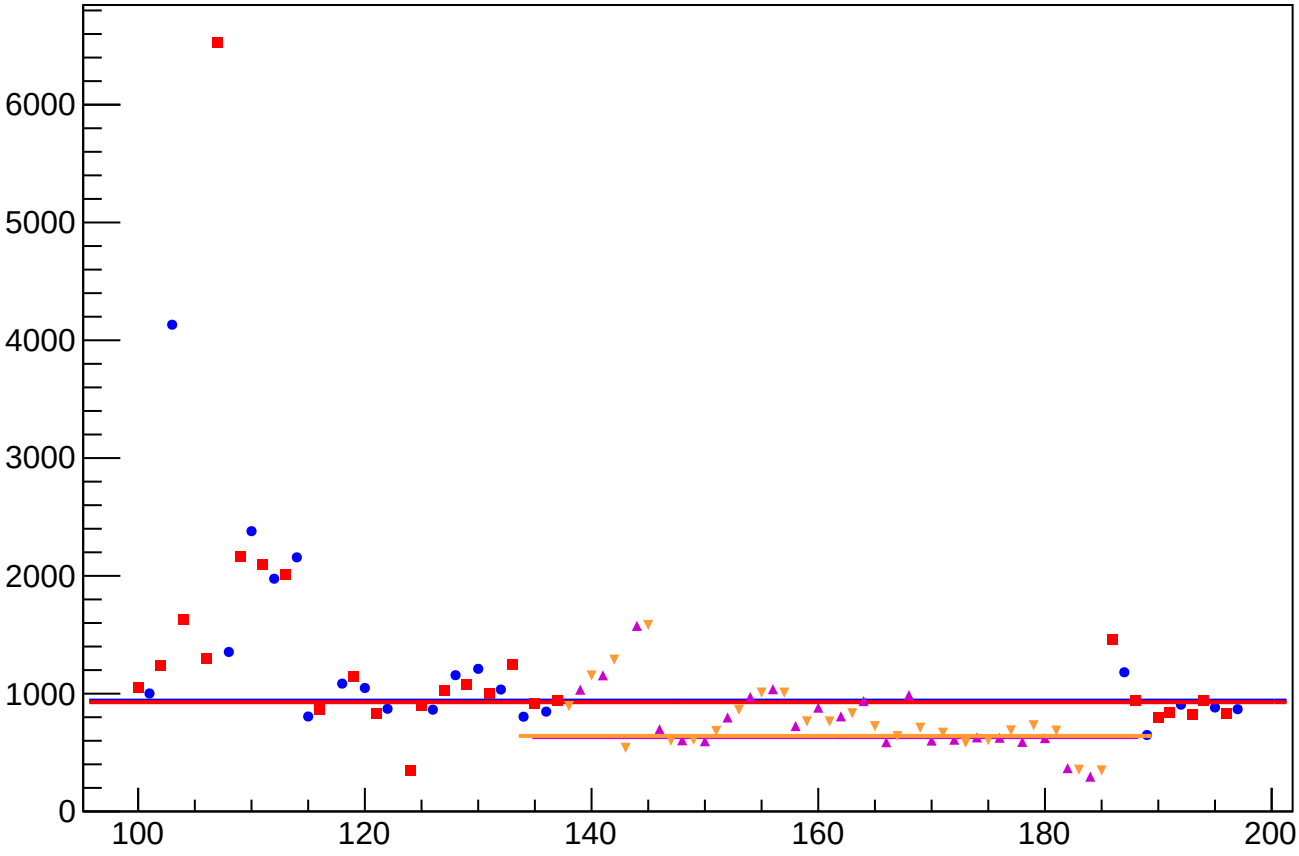
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 231.076+/-137.651 χ^2/NDF: 46.5/45

All: 134.500+/-97.692 χ^2/NDF: 94.4/94

- sign 36.490+/-138.668 χ^2/NDF: 46.9/48

asym_atl1_cor_correction_rms vs Slug



Right In: 940.932+/-0.217 χ^2/NDF: 1669914.7/20

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 927.453+/-0.207 χ^2/NDF: 2535247.3/25

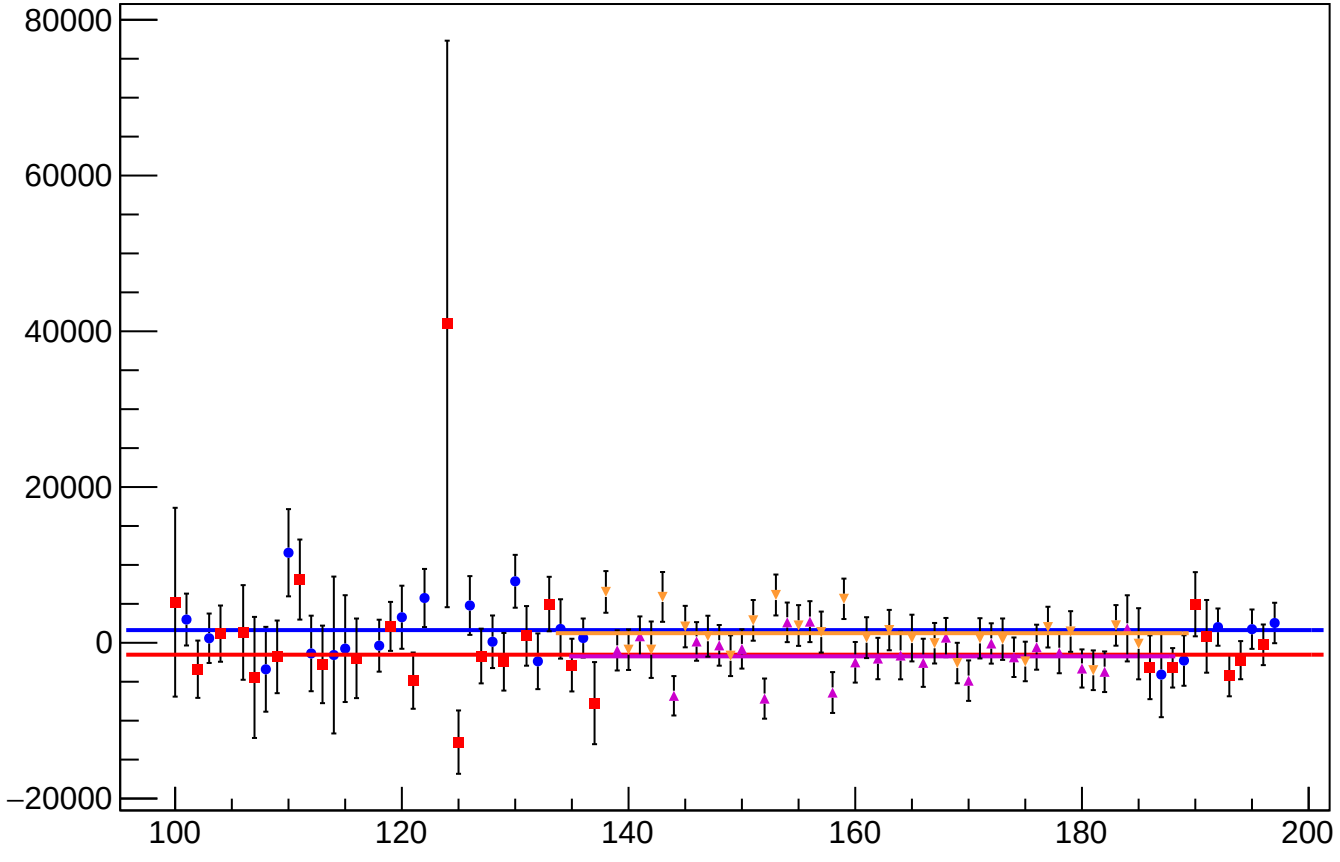
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 701.475+/-0.097 χ^2/NDF: 6668764.4/45

All: 699.499+/-0.069 χ^2/NDF: 14766117.6/94

- sign 697.494+/-0.098 χ^2/NDF: 8096522.8/48

eigen_cor_asym_atl1_mean vs Slug



Right In: 1629.409+/-764.598 χ^2/NDF: 15.1/20

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1527.937+/-744.810 χ^2/NDF: 26.4/25

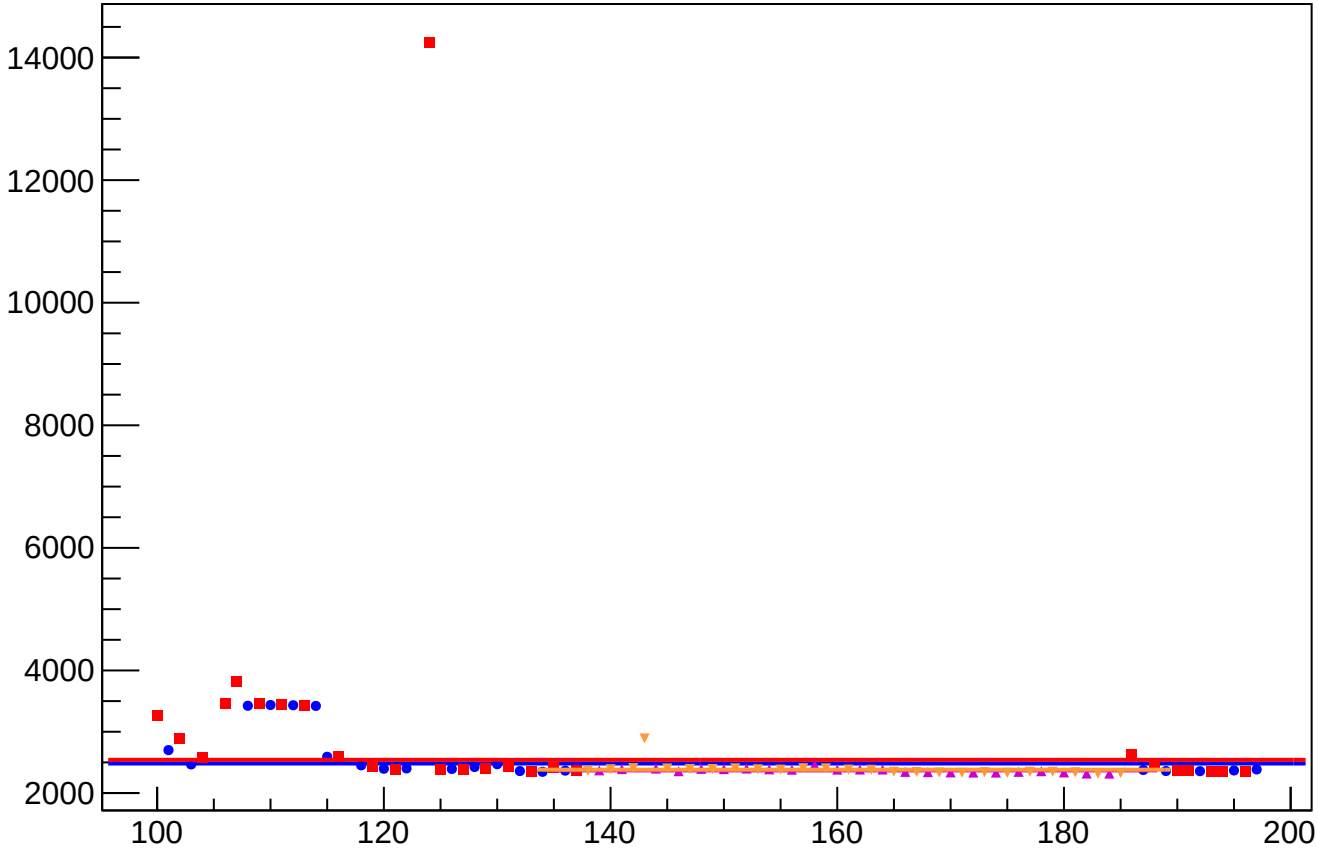
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1366.480+/-441.787 χ^2/NDF: 39.1/45

All: -141.612+/-313.216 χ^2/NDF: 113.3/94

- sign -1665.745+/-444.131 χ^2/NDF: 50.8/48

eigen_cor_asym_atl1_rms vs Slug



Right In: 2481.732+/-0.541 χ^2/NDF: 250111.3/20

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2542.165+/-0.527 χ^2/NDF: 602259.1/25

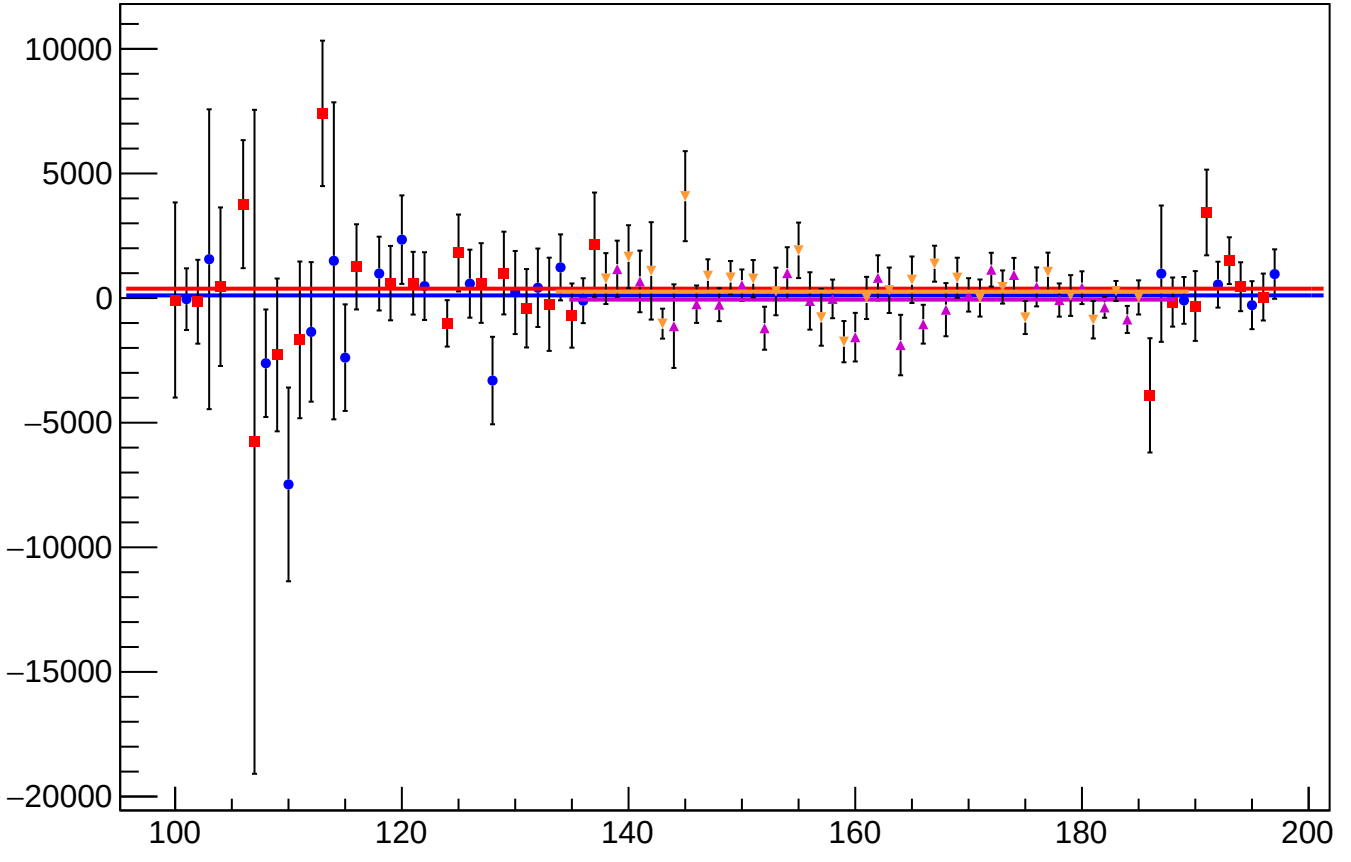
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2414.787+/-0.312 χ^2/NDF: 330750.7/45

All: 2422.762+/-0.221 χ^2/NDF: 1010713.2/94

- sign 2430.821+/-0.314 χ^2/NDF: 678652.2/48

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 107.648+/-306.894 χ^2/NDF: 15.2/20

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 378.030+/-293.131 χ^2/NDF: 23.2/25

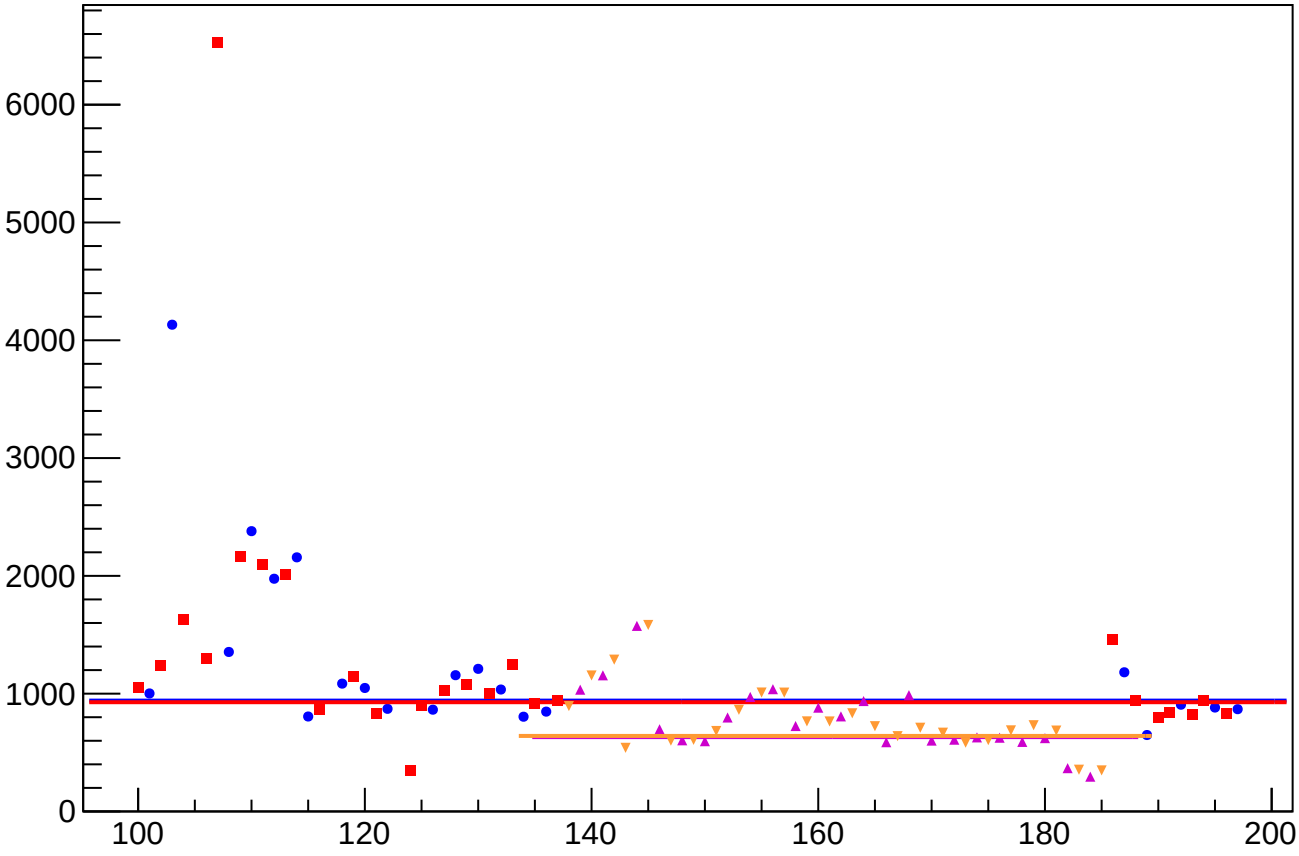
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 231.076+/-137.651 χ^2/NDF: 46.5/45

All: 134.500+/-97.692 χ^2/NDF: 94.4/94

\- sign 36.490+/-138.668 χ^2/NDF: 46.9/48

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 940.932+/-0.217 χ^2/NDF: 1669914.7/20

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 927.453+/-0.207 χ^2/NDF: 2535247.3/25

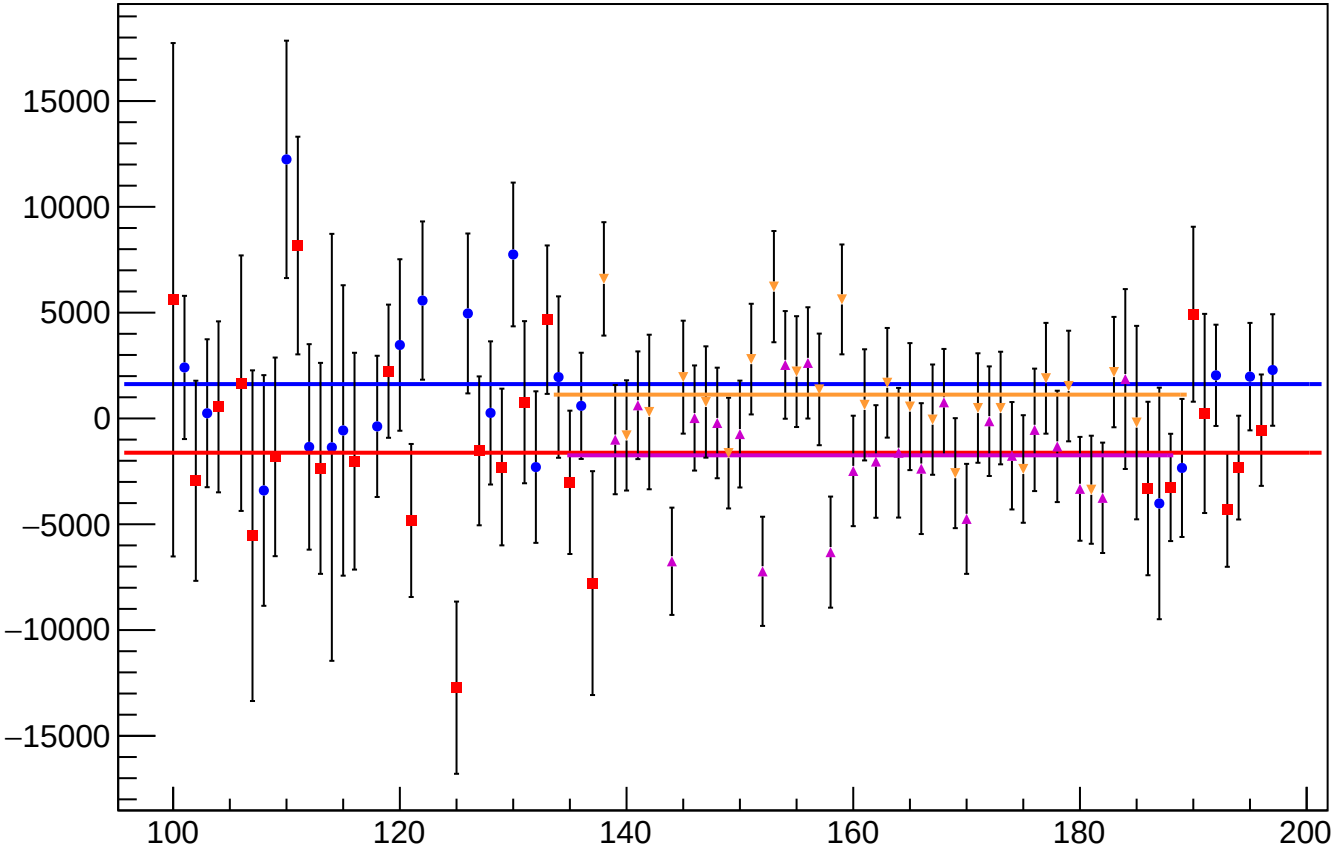
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 701.475+/-0.097 χ^2/NDF: 6668764.4/45

All: 699.499+/-0.069 χ^2/NDF: 14766117.6/94

- sign 697.494+/-0.098 χ^2/NDF: 8096522.8/48

dit_asym_atl1_mean vs Slug



Right In: 1623.291+/-771.291 χ^2/NDF: 15.1/20

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1619.591+/-755.880 χ^2/NDF: 24.3/24

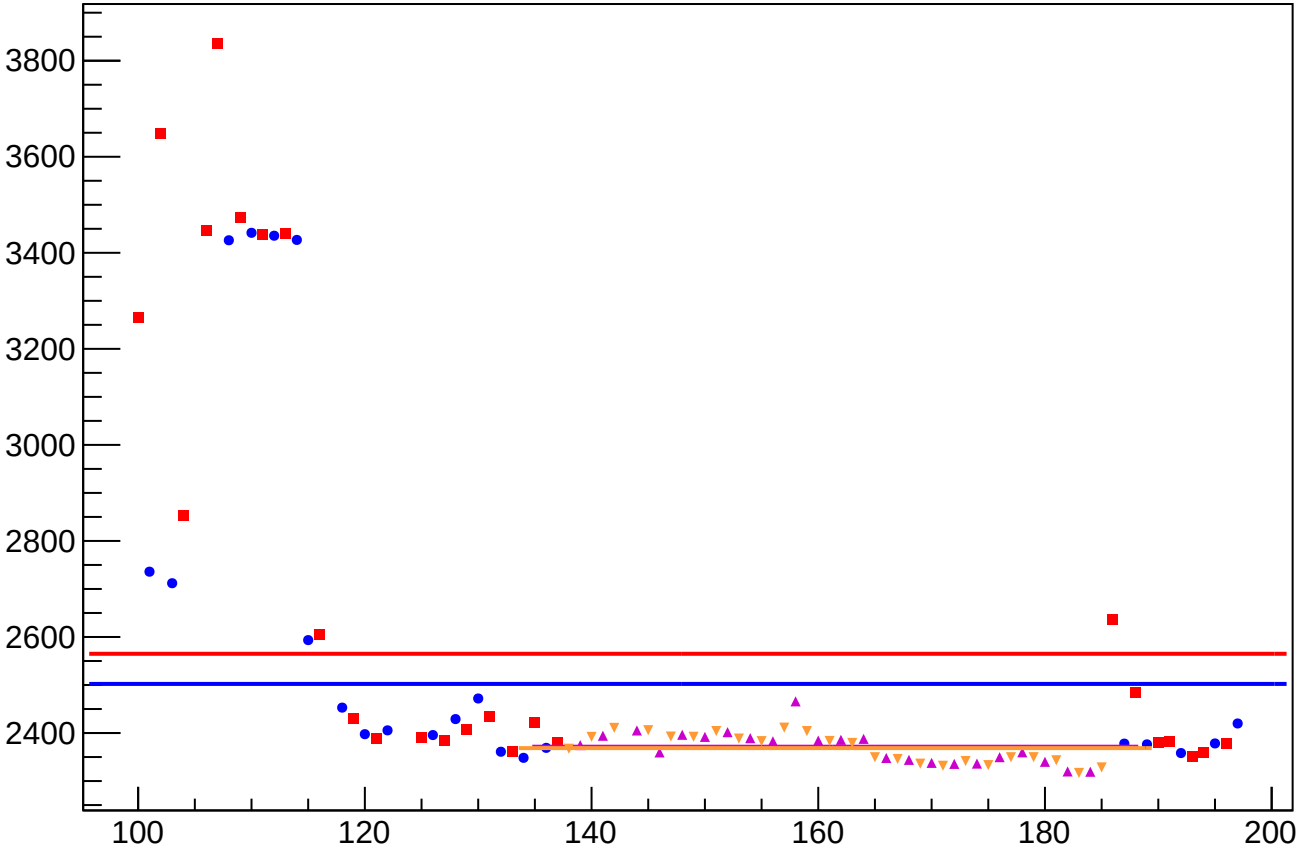
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1293.273+/-447.717 χ^2/NDF: 36.6/44

All: -206.463+/-316.226 χ^2/NDF: 107.1/92

- sign -1699.446+/-446.708 χ^2/NDF: 48.1/47

dit_asym_atl1_rms vs Slug



Right In: 2502.258+/-0.545 χ^2/NDF: 257114.0/20

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2565.021+/-0.534 χ^2/NDF: 494537.0/24

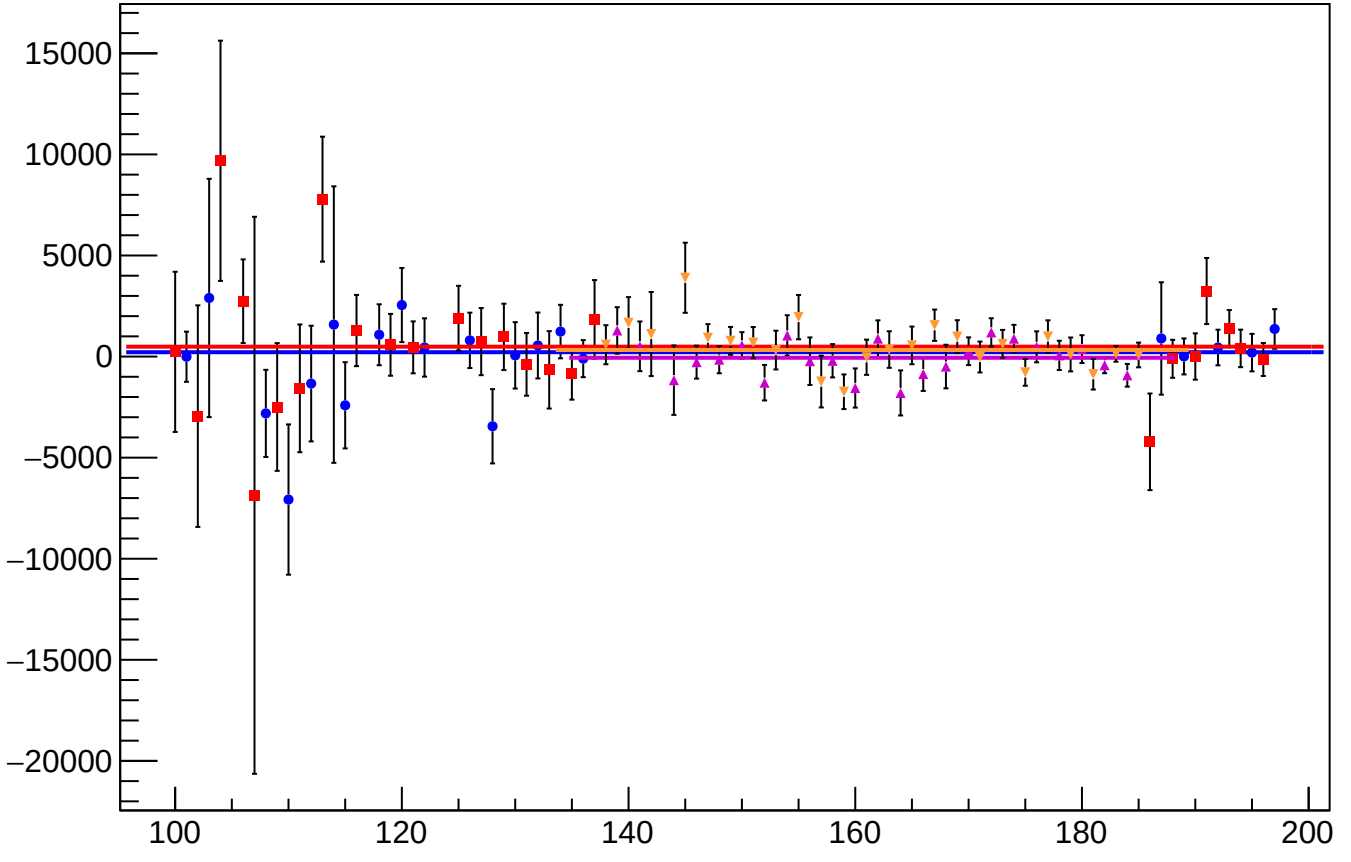
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2413.616+/-0.317 χ^2/NDF: 302526.4/44

All: 2426.387+/-0.224 χ^2/NDF: 892657.0/92

- sign 2439.100+/-0.316 χ^2/NDF: 586883.5/47

asym_atl1_dit_correction_mean vs Slug



Right In: 215.621+/-304.747 χ^2/NDF: 16.4/20

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 489.271+/-301.305 χ^2/NDF: 23.4/24

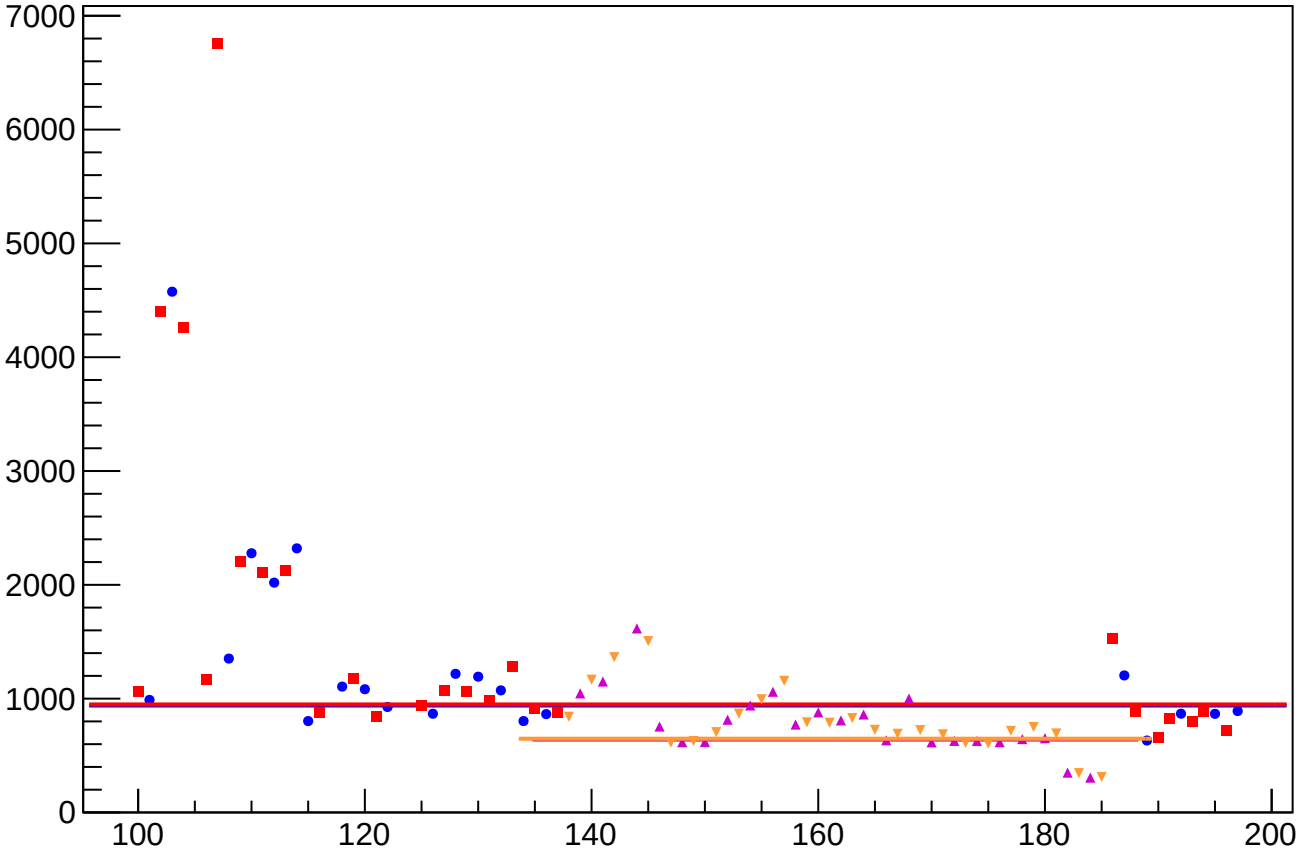
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

\+ sign 302.104+/-141.691 χ^2/NDF: 43.3/44

All: 180.897+/-99.975 χ^2/NDF: 93.4/92

\- sign 60.726+/-141.084 χ^2/NDF: 48.7/47

asym_atl1_dit_correction_rms vs Slug



Right In: 939.748+/-0.215 χ^2/NDF: 1943111.4/20

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 949.076+/-0.213 χ^2/NDF: 3300573.7/24

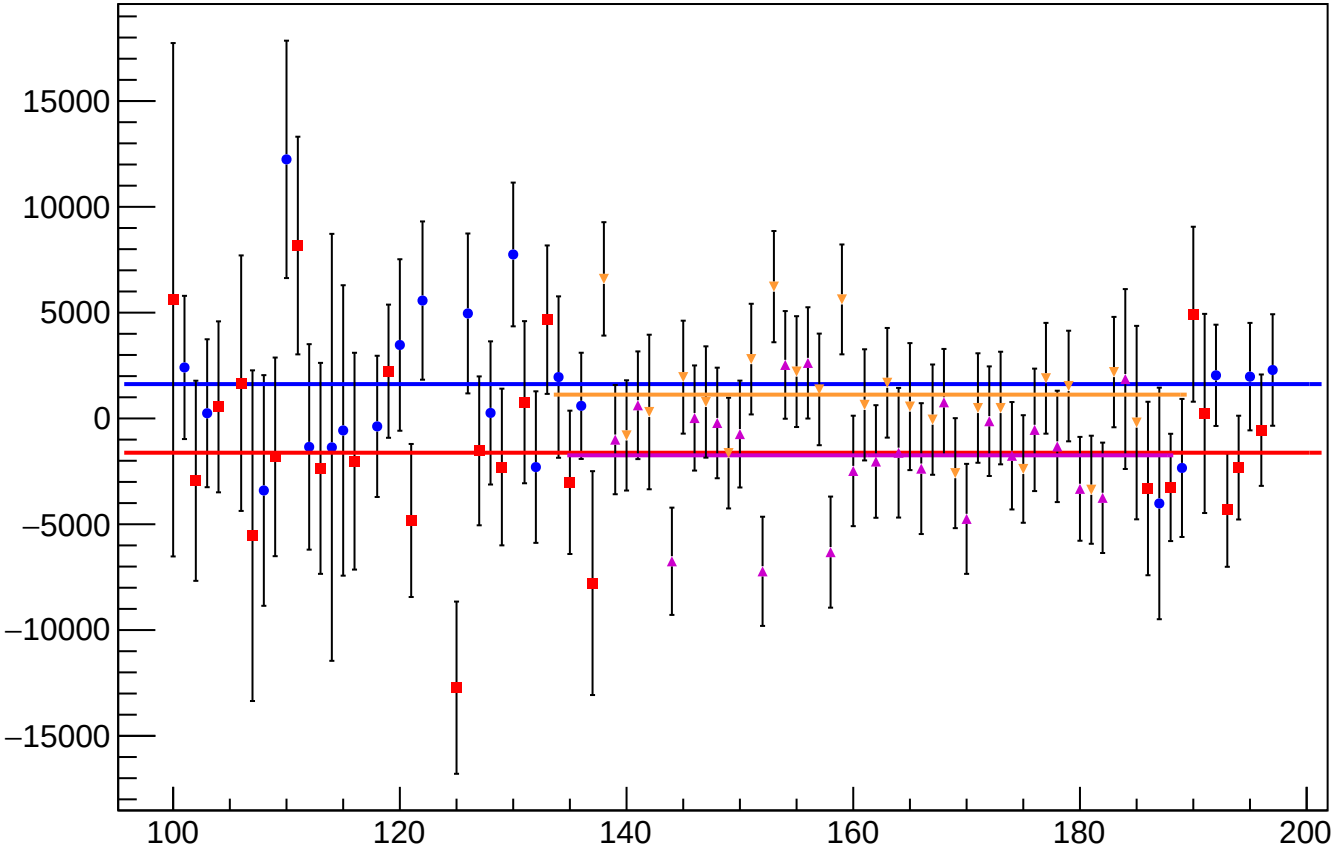
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 711.147+/-0.100 χ^2/NDF: 7265876.2/44

All: 709.614+/-0.071 χ^2/NDF: 16334272.0/92

- sign 708.095+/-0.100 χ^2/NDF: 9067929.8/47

eigen_dit_asym_atl1_mean vs Slug



Right In: 1623.288+/-771.291 χ^2/NDF: 15.1/20

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1619.589+/-755.880 χ^2/NDF: 24.3/24

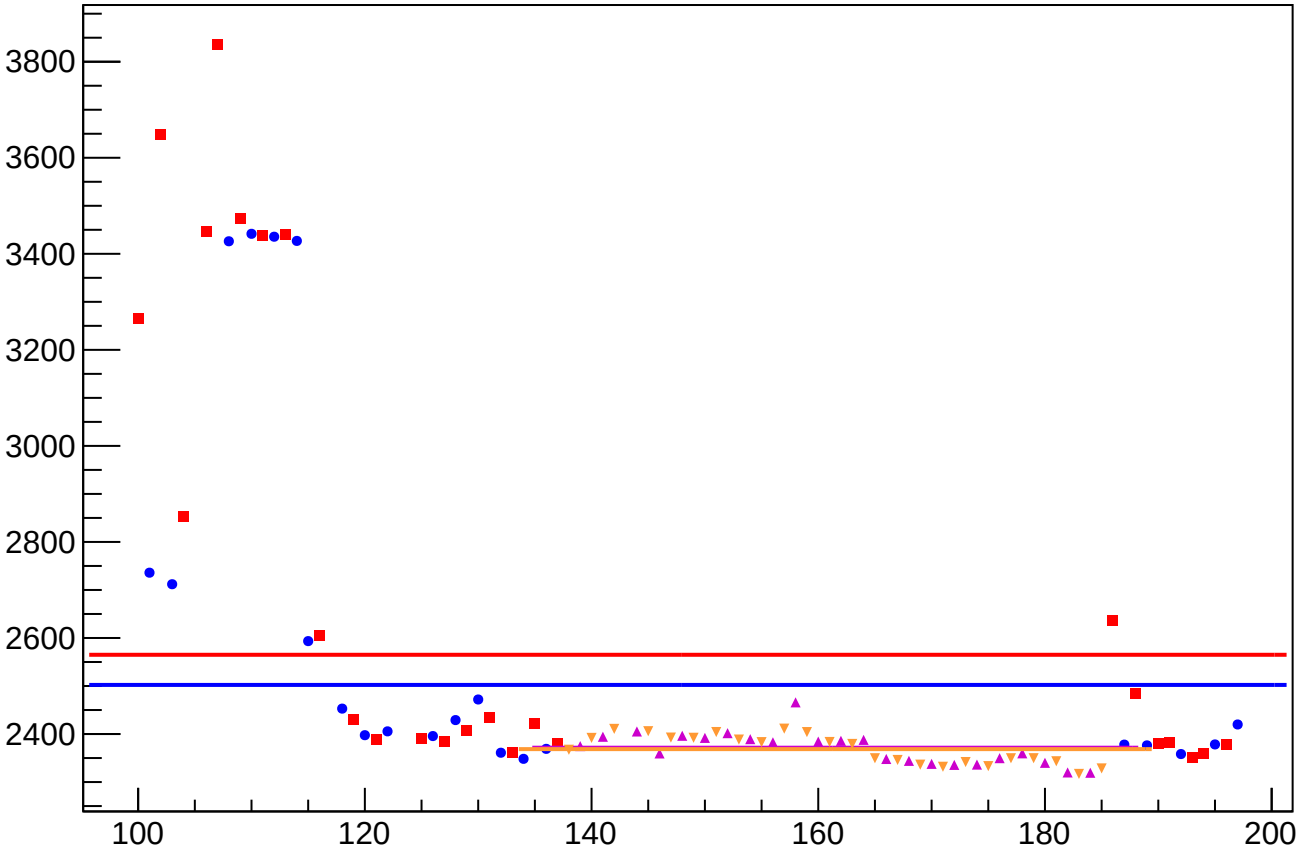
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1293.273+/-447.717 χ^2/NDF: 36.6/44

All: -206.464+/-316.226 χ^2/NDF: 107.1/92

- sign -1699.446+/-446.708 χ^2/NDF: 48.1/47

eigen_dit_asym_atl1_rms vs Slug



Right In: 2502.258+/-0.545 χ^2/NDF: 257113.6/20

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2565.021+/-0.534 χ^2/NDF: 494536.3/24

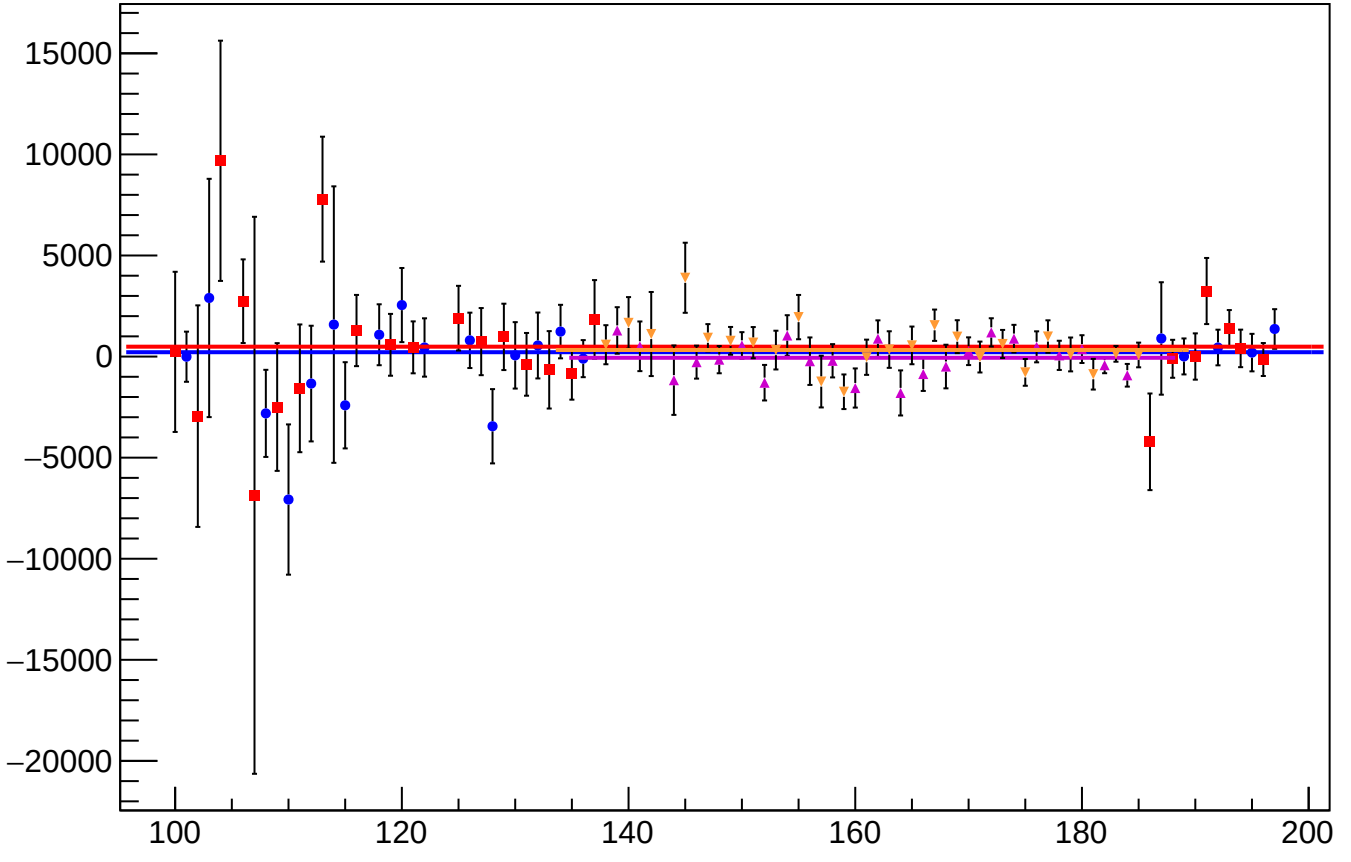
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2413.616+/-0.317 χ^2/NDF: 302525.9/44

All: 2426.387+/-0.224 χ^2/NDF: 892655.6/92

- sign 2439.100+/-0.316 χ^2/NDF: 586882.6/47

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 215.620+/-304.747 χ^2/NDF: 16.4/20

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 489.271+/-301.305 χ^2/NDF: 23.4/24

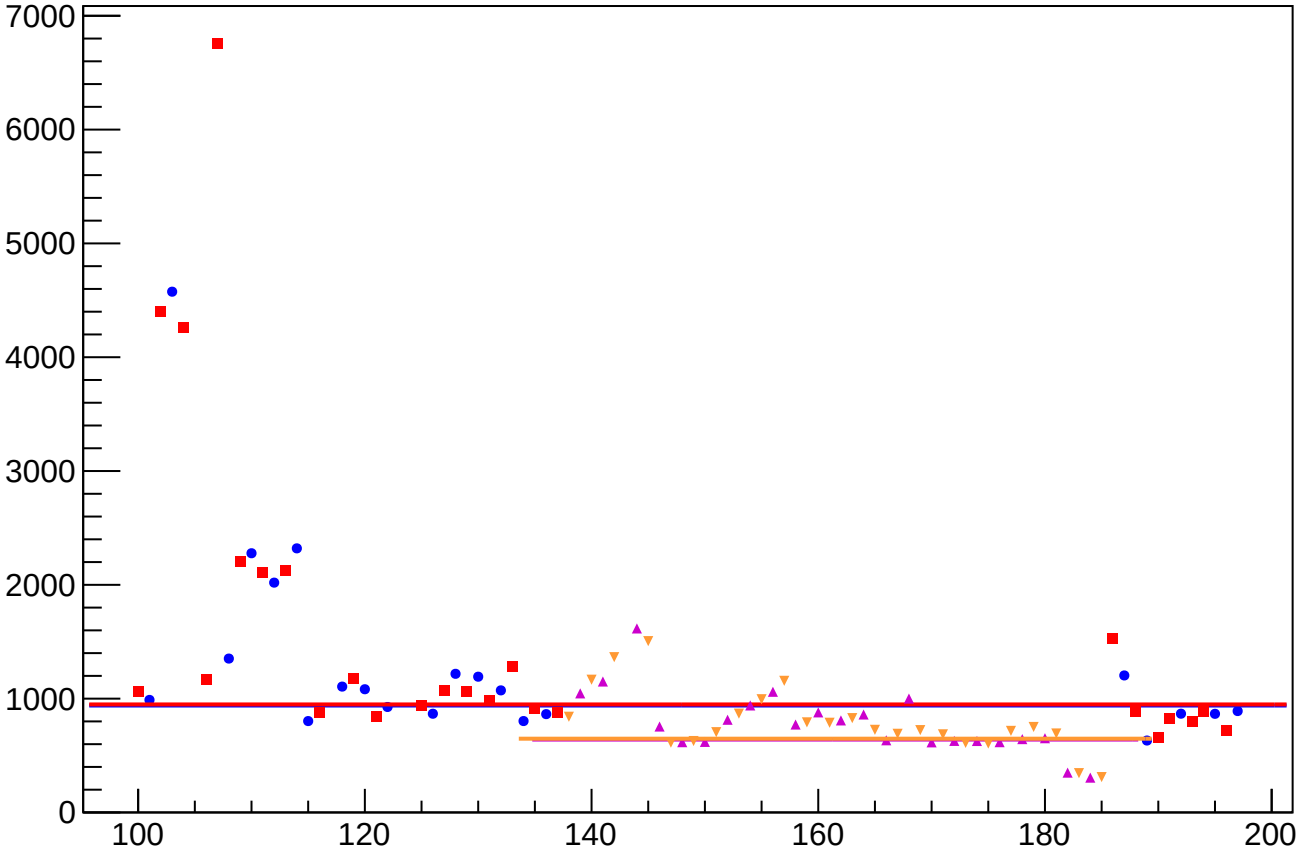
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 302.103+/-141.691 χ^2/NDF: 43.3/44

All: 180.896+/-99.975 χ^2/NDF: 93.4/92

- sign 60.726+/-141.084 χ^2/NDF: 48.7/47

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 939.747+/-0.215 χ^2/NDF: 1943109.7/20

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 949.075+/-0.213 χ^2/NDF: 3300572.1/24

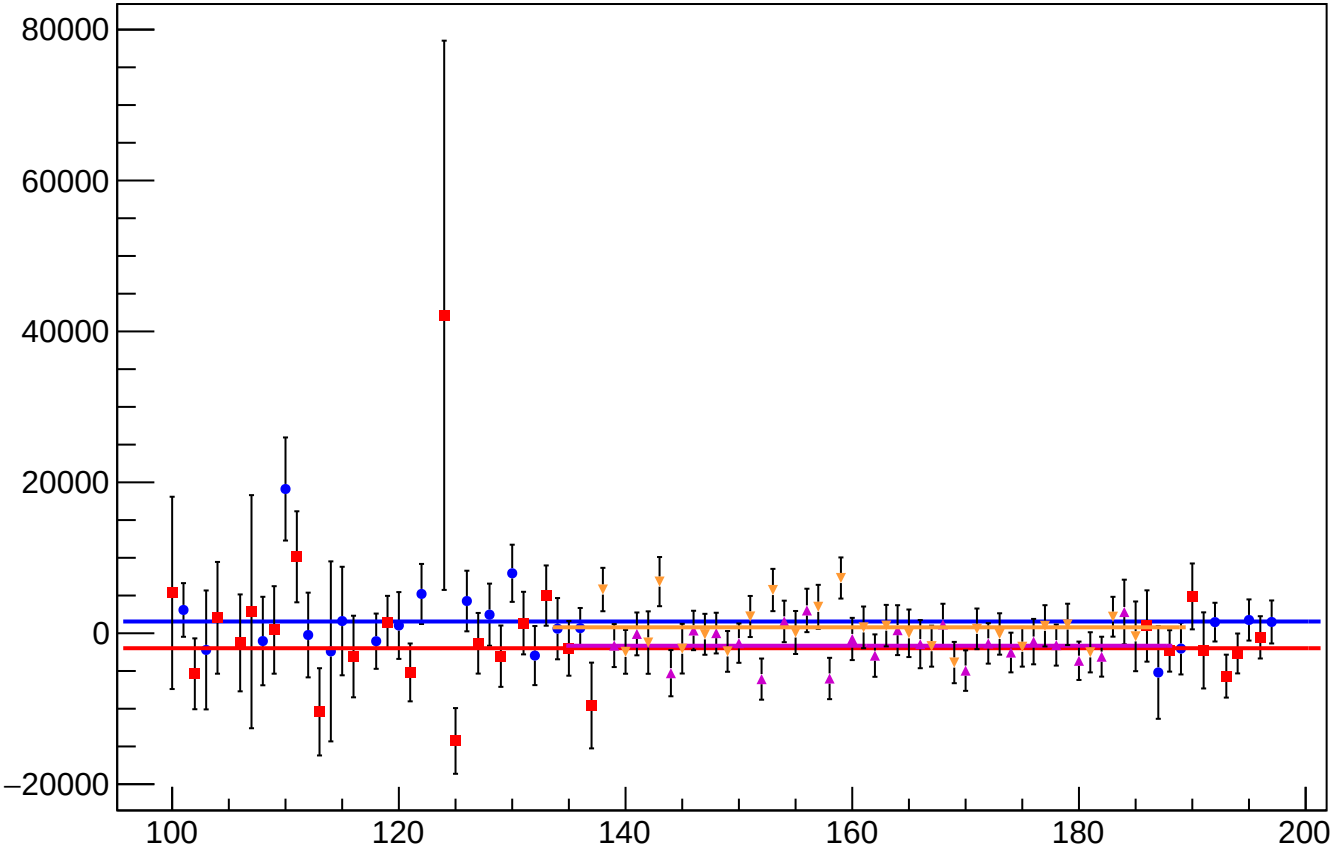
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 711.148+/-0.100 χ^2/NDF: 7265872.5/44

All: 709.615+/-0.071 χ^2/NDF: 16334270.2/92

- sign 708.095+/-0.100 χ^2/NDF: 9067931.5/47

asym_atl1_mean vs Slug



Right In: 1559.385+/-854.007 χ^2/NDF: 15.9/20

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1981.794+/-834.150 χ^2/NDF: 29.2/25

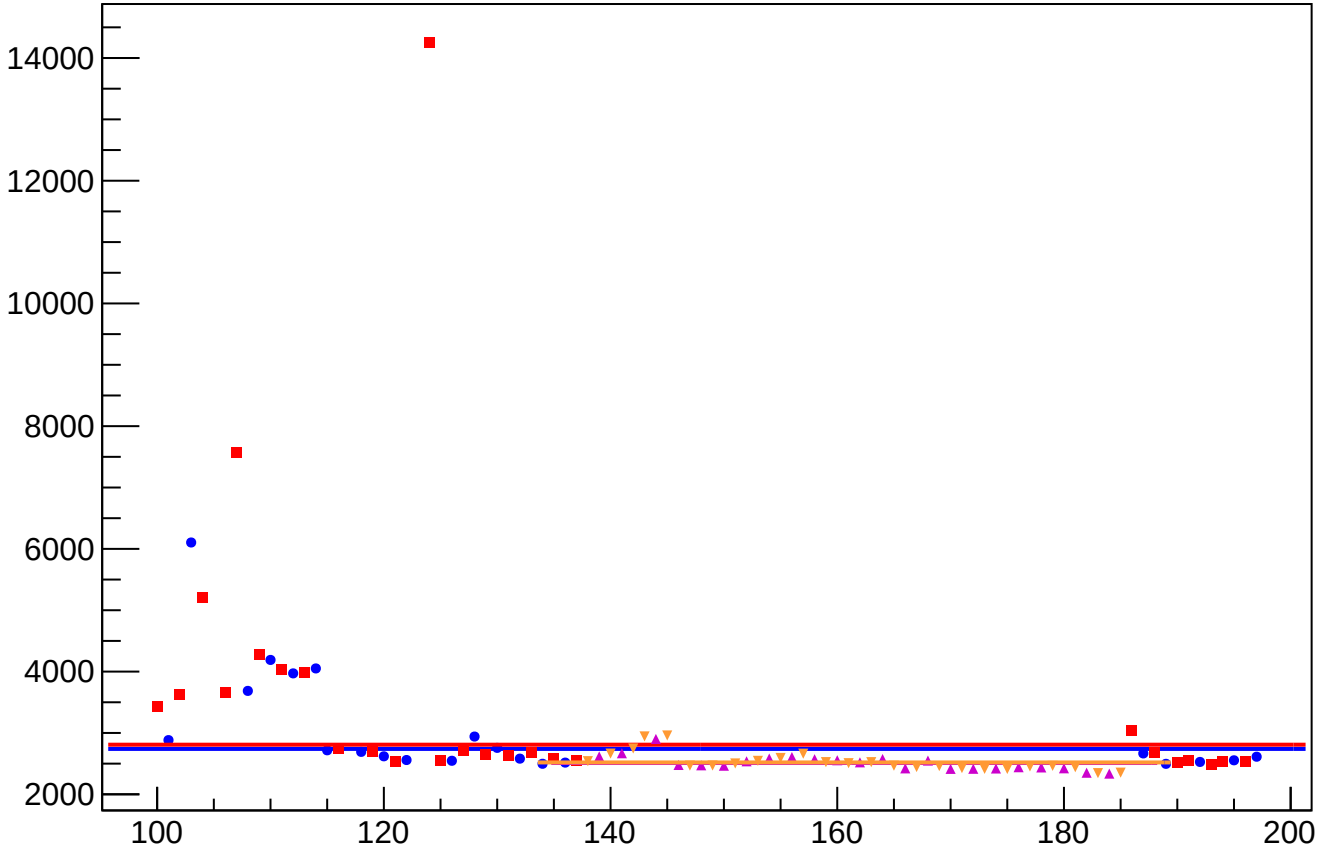
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1029.985+/-475.974 χ^2/NDF: 43.6/45

All: -354.930+/-337.952 χ^2/NDF: 107.4/94

- sign -1762.925+/-479.923 χ^2/NDF: 46.7/48

asym_atl1_rms vs Slug



Right In: 2739.820+/-0.604 χ^2/NDF: 707476.3/20

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2808.754+/-0.590 χ^2/NDF: 1121365.7/25

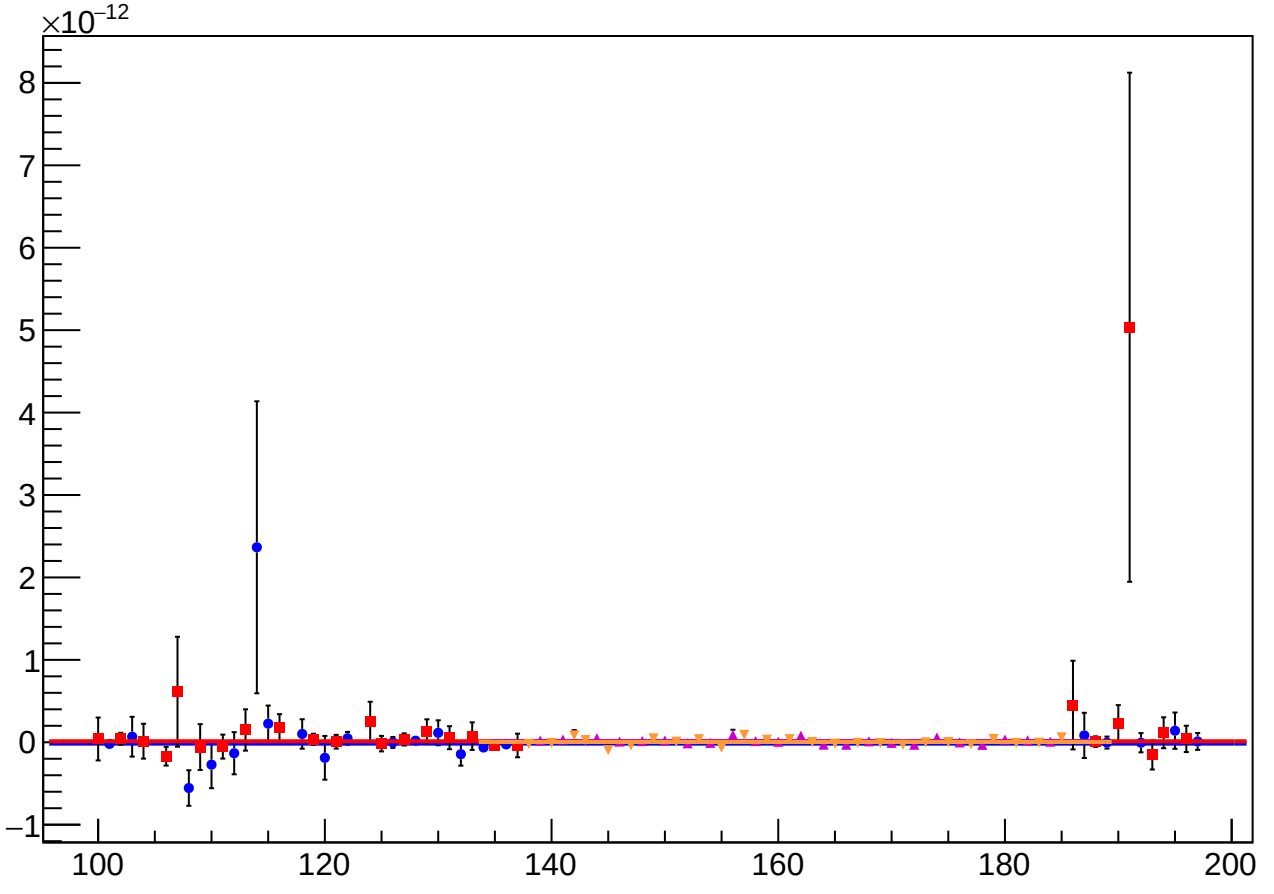
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2587.949+/-0.337 χ^2/NDF: 914430.7/45

All: 2598.386+/-0.239 χ^2/NDF: 2282954.1/94

- sign 2608.998+/-0.339 χ^2/NDF: 1366583.8/48

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

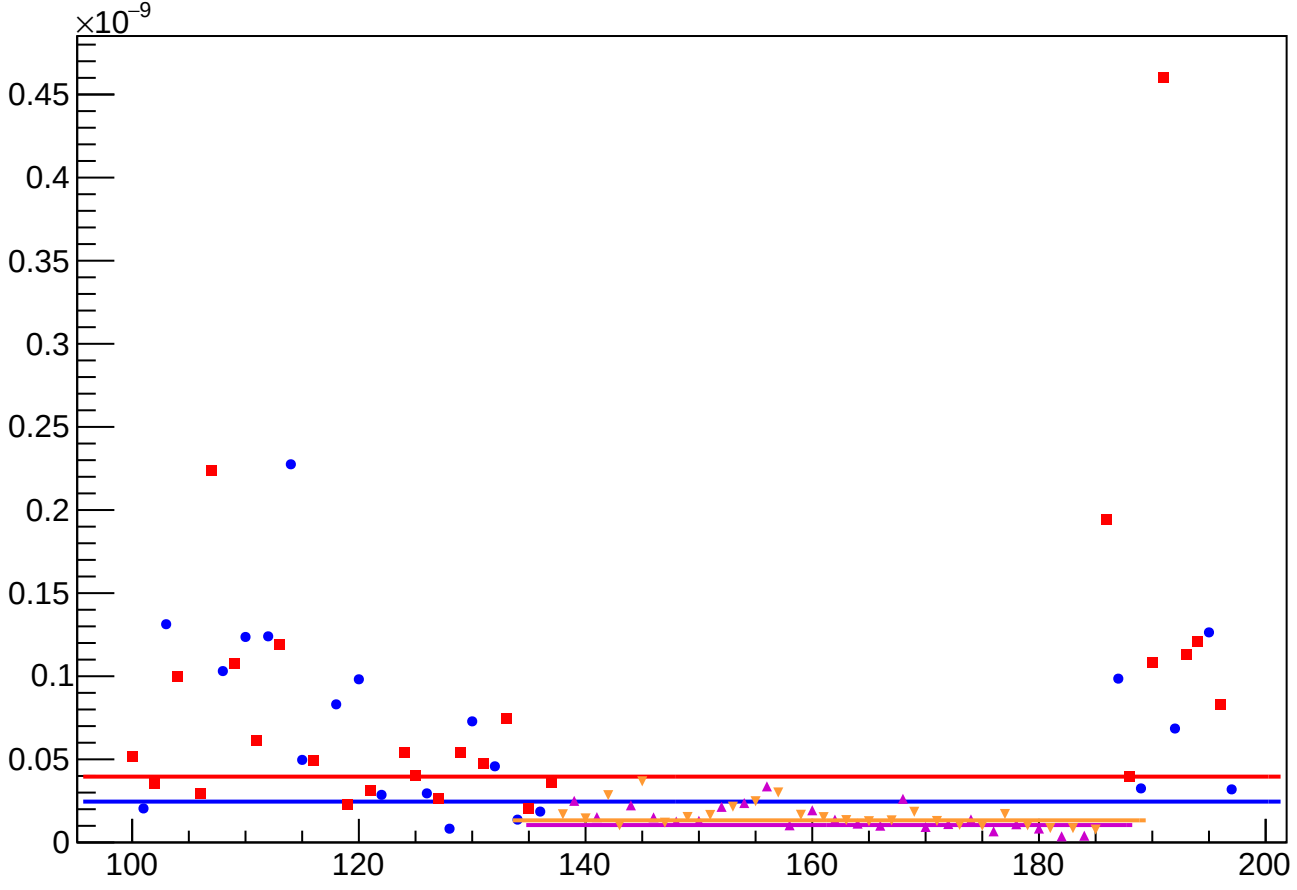
Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/25

Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.3/45

All: 0.000+/-0.000 χ^2/NDF: 95.1/94

- sign 0.000+/-0.000 χ^2/NDF: 46.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 3277047.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2577459.5/25

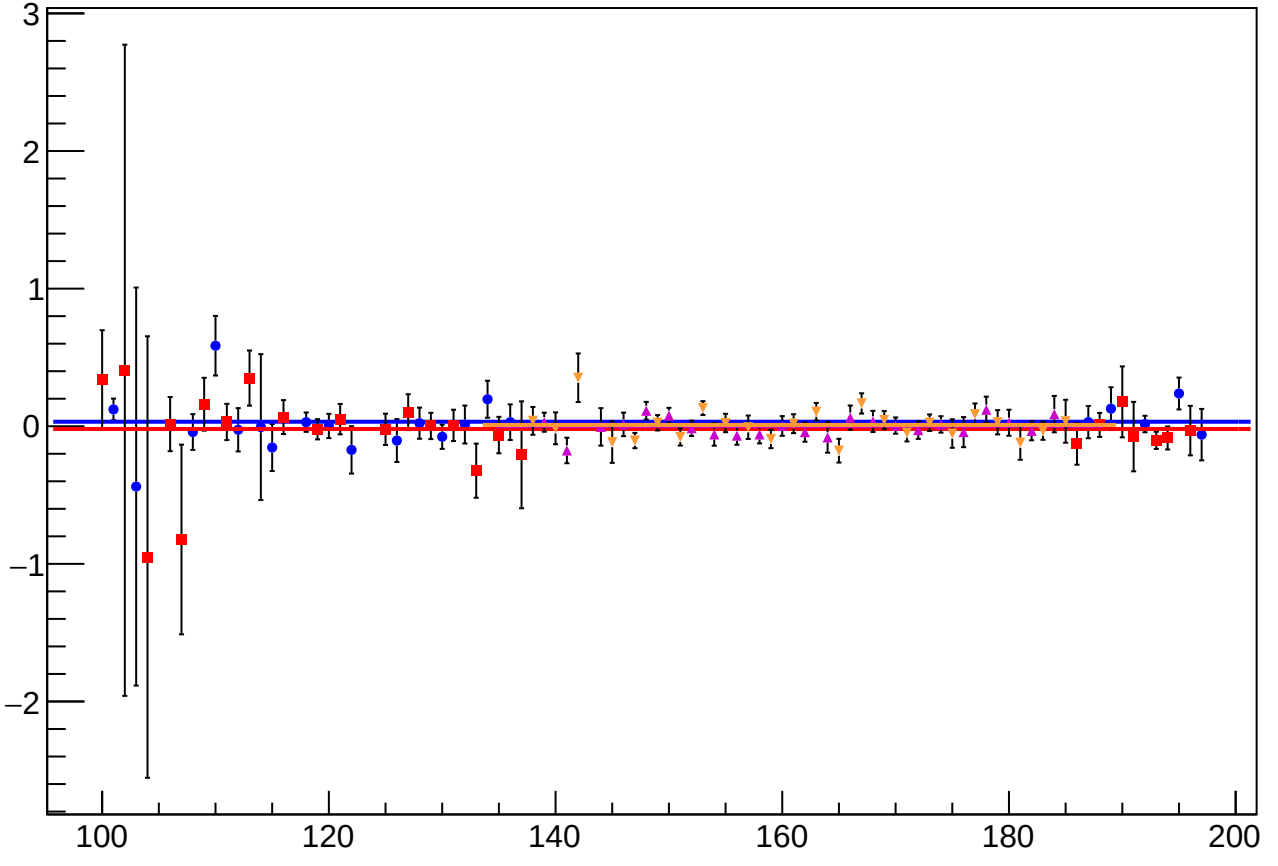
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5622006.6/45

All: 0.000+/-0.000 χ^2/NDF: 14615590.4/94

- sign 0.000+/-0.000 χ^2/NDF: 8707032.1/48

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.025 χ^2/NDF: 18.8/20

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.020+/-0.026 χ^2/NDF: 15.4/24

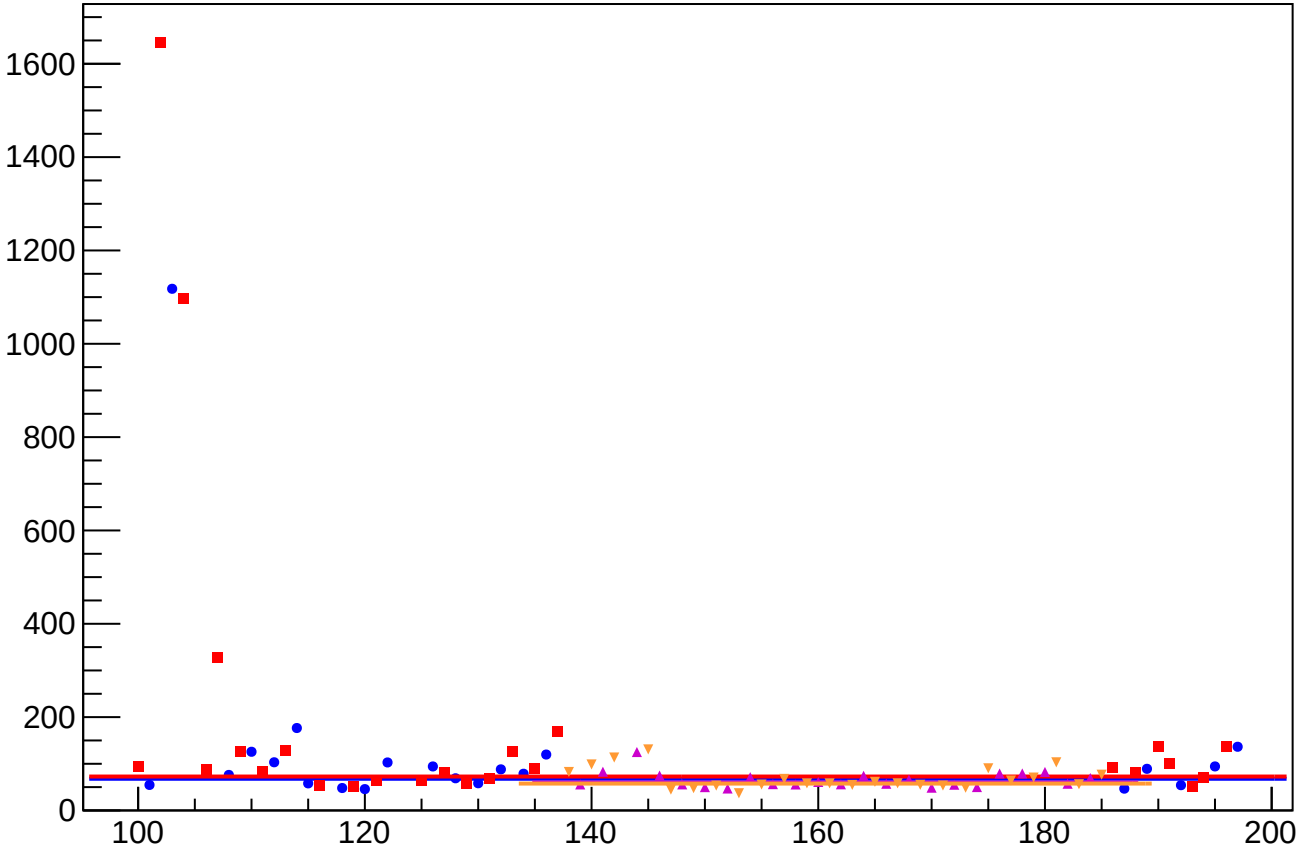
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 54.1/44

All: 0.006+/-0.009 χ^2/NDF: 86.8/92

- sign -0.005+/-0.013 χ^2/NDF: 31.5/47

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 67.912+/-0.018 χ^2/NDF: 2860663.4/20

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 72.691+/-0.018 χ^2/NDF: 3624006.3/24

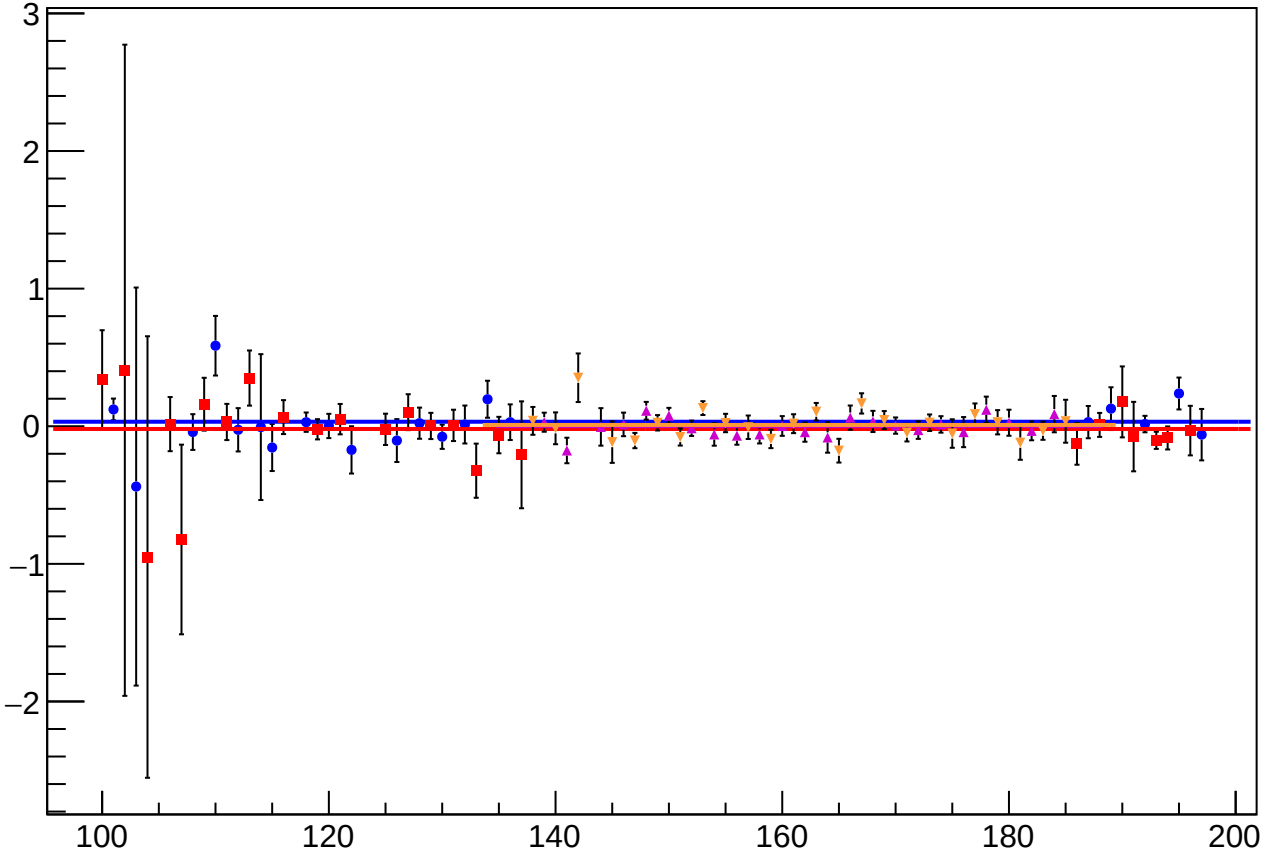
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 60.358+/-0.009 χ^2/NDF: 5322362.5/44

All: 61.784+/-0.007 χ^2/NDF: 10707026.7/92

- sign 63.281+/-0.009 χ^2/NDF: 5334828.1/47

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.025 χ^2/NDF: 18.8/20

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.020+/-0.026 χ^2/NDF: 15.4/24

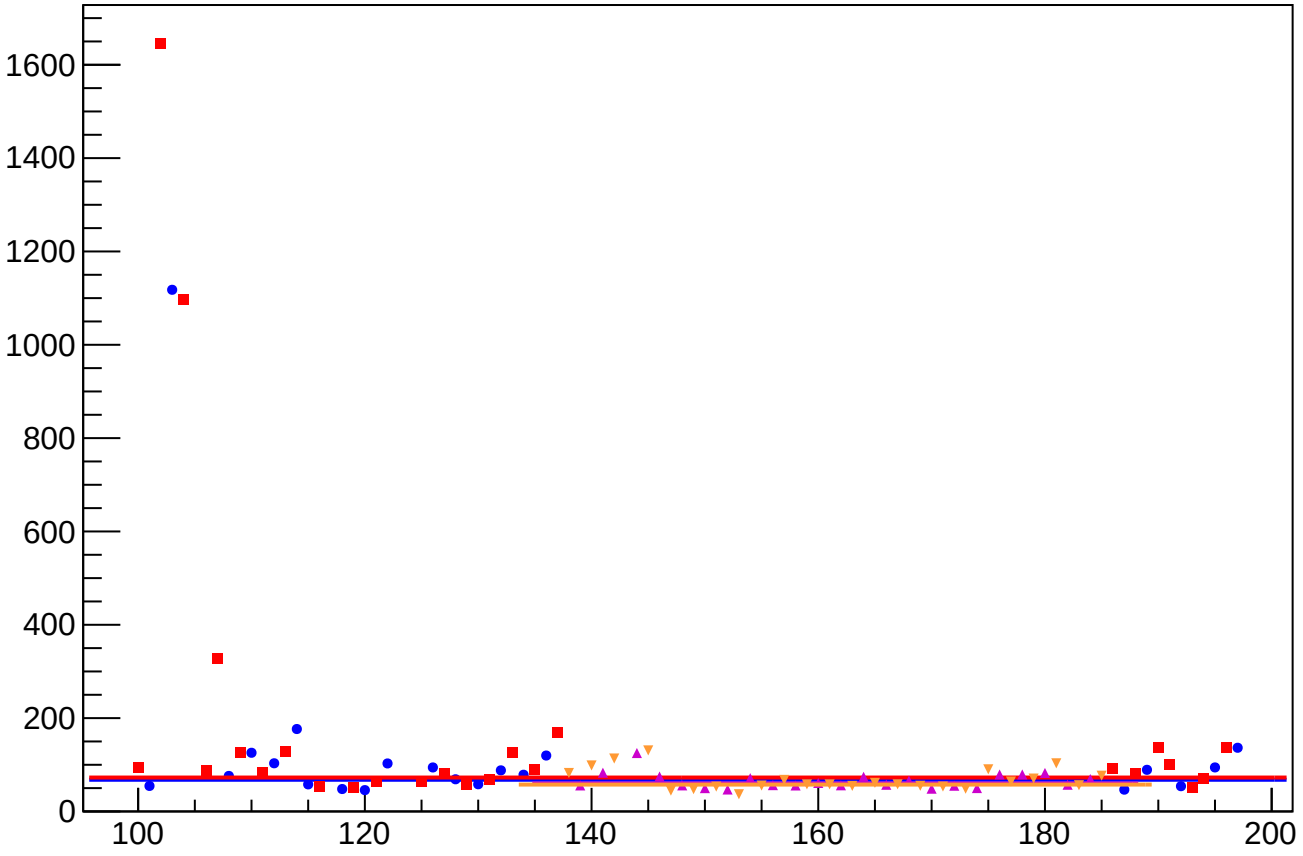
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 54.1/44

All: 0.006+/-0.009 χ^2/NDF: 86.8/92

- sign -0.005+/-0.013 χ^2/NDF: 31.5/47

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.912+/-0.018 χ^2/NDF: 2860663.4/20

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 72.691+/-0.018 χ^2/NDF: 3624006.3/24

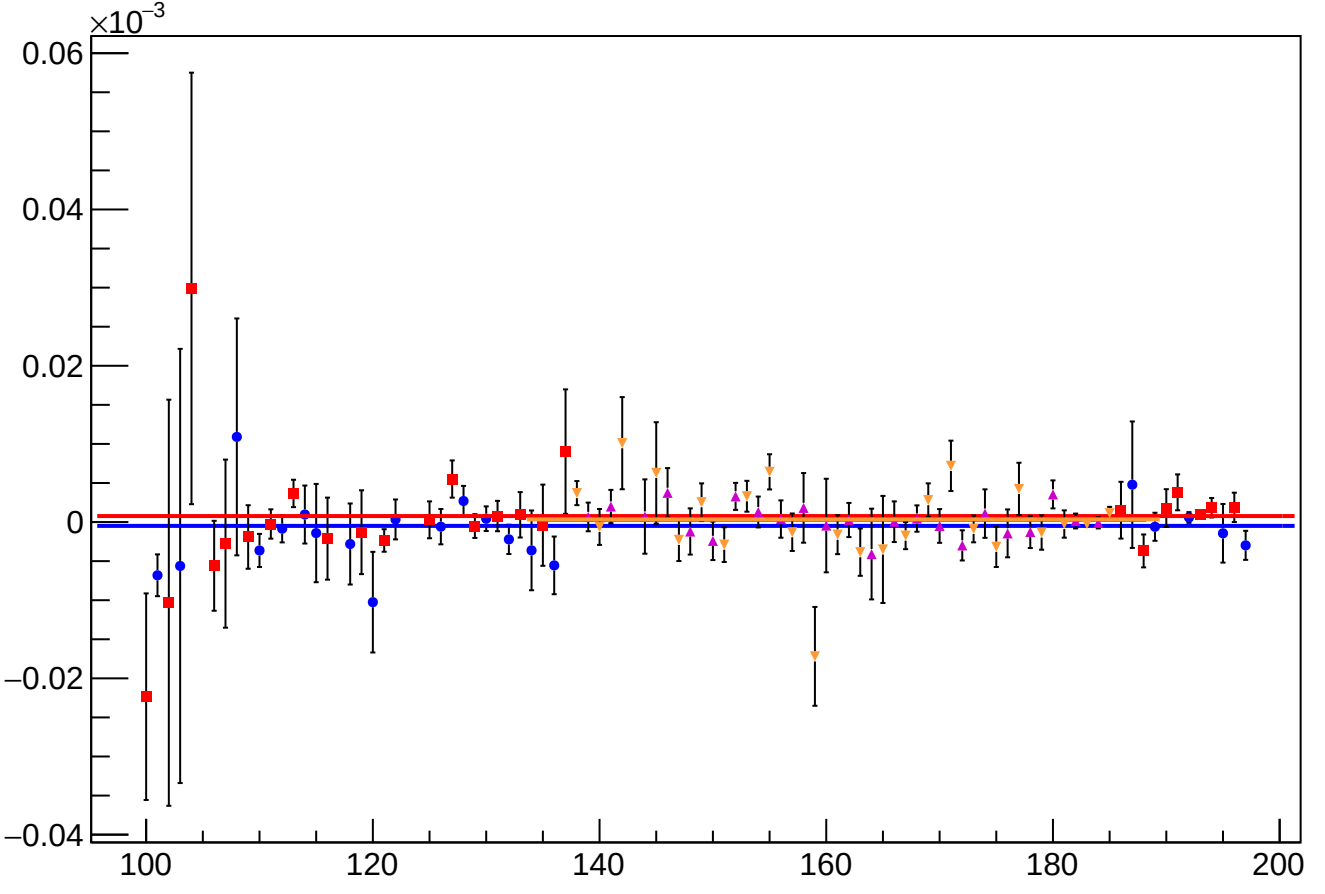
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 60.358+/-0.009 χ^2/NDF: 5322362.5/44

All: 61.784+/-0.007 χ^2/NDF: 10707026.7/92

- sign 63.281+/-0.009 χ^2/NDF: 5334828.1/47

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/24

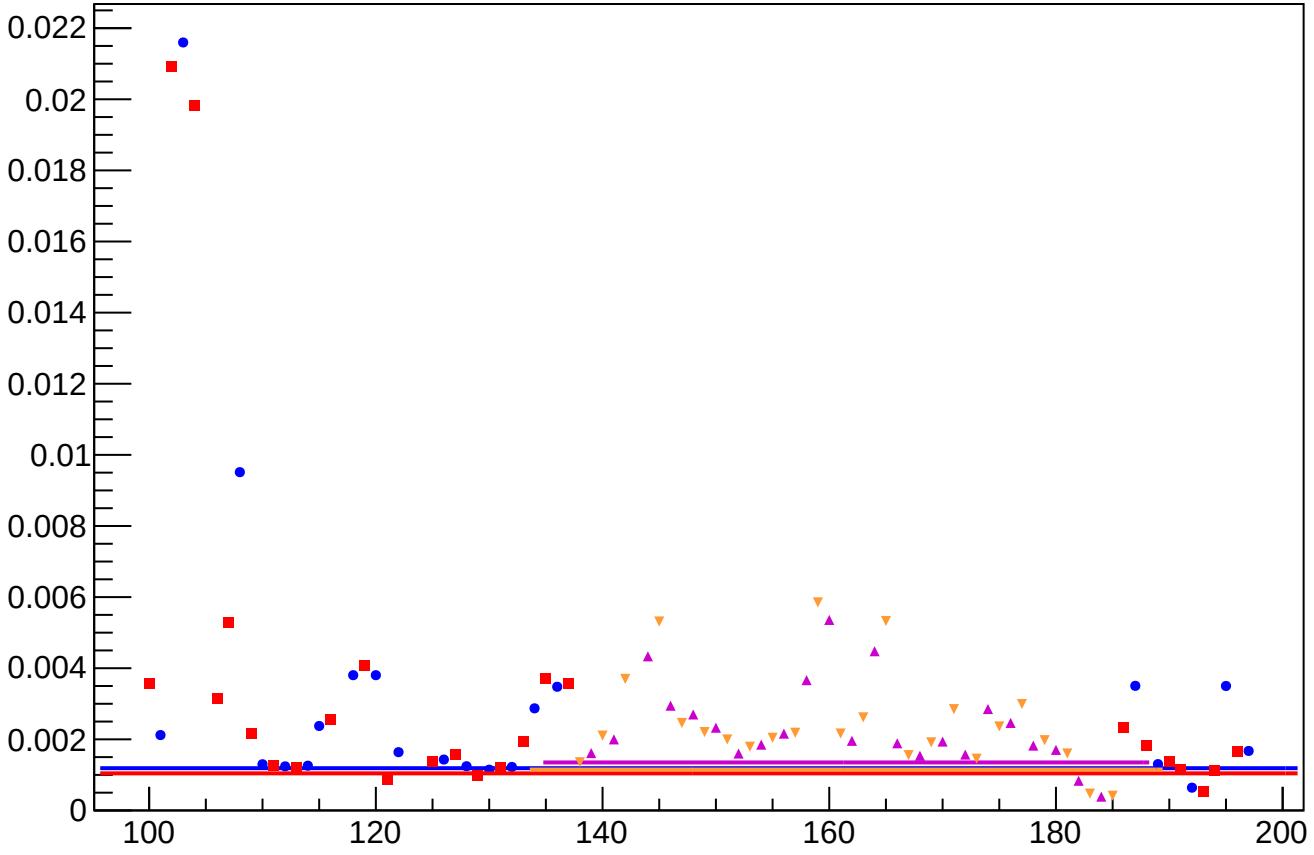
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.1/44

All: 0.000+/-0.000 χ^2/NDF: 116.2/92

- sign 0.000+/-0.000 χ^2/NDF: 43.4/47

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6265650.4/20

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7101609.0/24

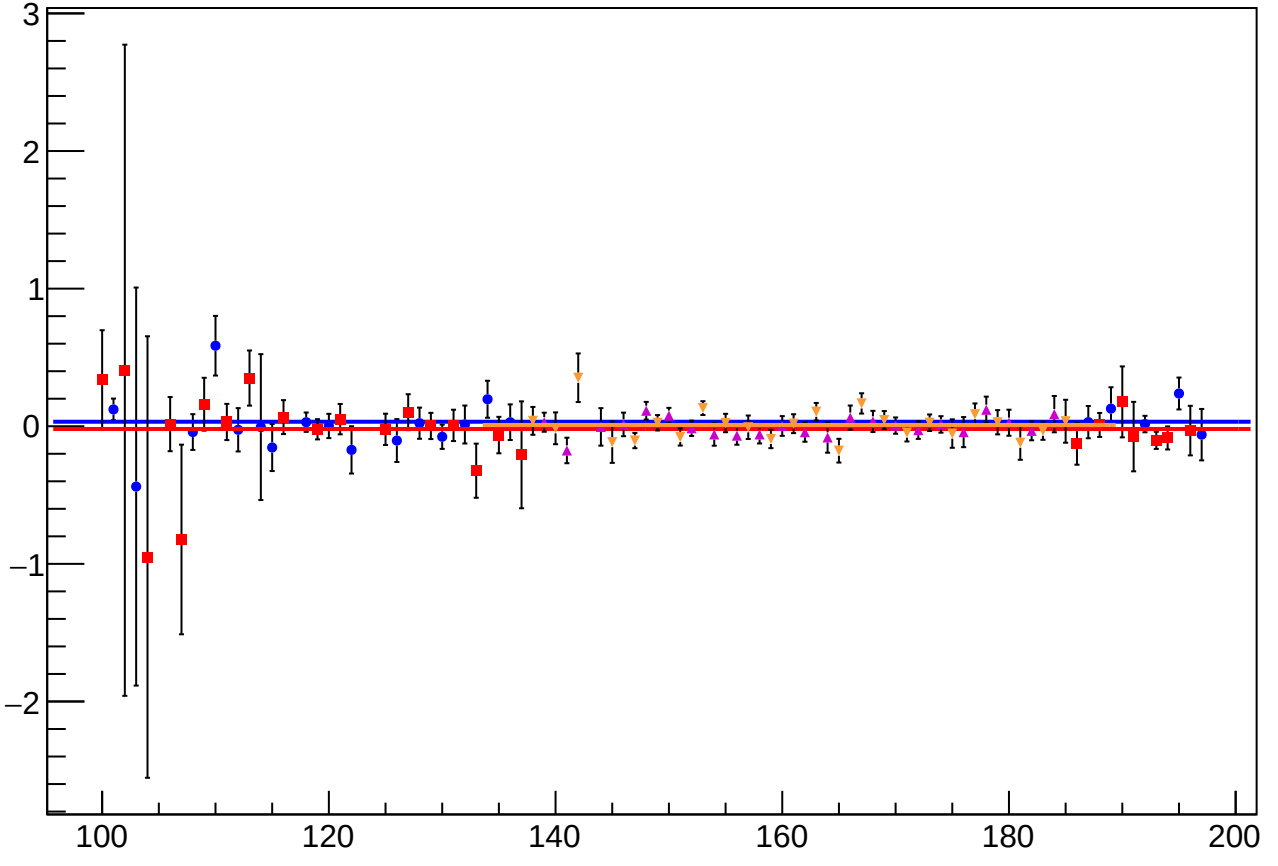
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 19517184.0/44

All: 0.001+/-0.000 χ^2/NDF: 37525565.6/92

- sign 0.001+/-0.000 χ^2/NDF: 17994195.6/47

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.025 χ^2/NDF: 18.8/20

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.020+/-0.026 χ^2/NDF: 15.4/24

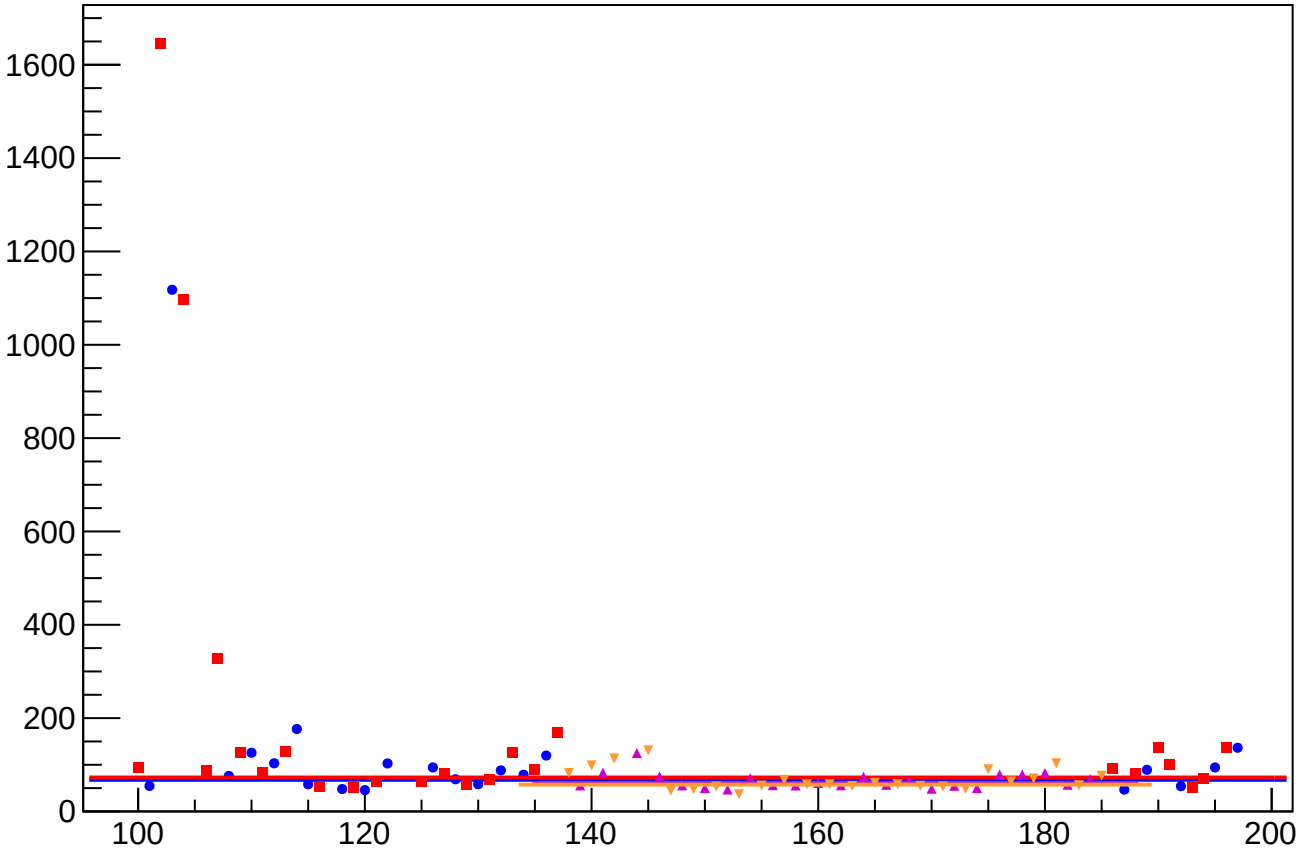
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.016+/-0.013 χ^2/NDF: 54.1/44

All: 0.006+/-0.009 χ^2/NDF: 86.8/92

- sign -0.005+/-0.013 χ^2/NDF: 31.5/47

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.911+/-0.018 χ^2/NDF: 2860784.6/20

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 72.690+/-0.018 χ^2/NDF: 3624020.4/24

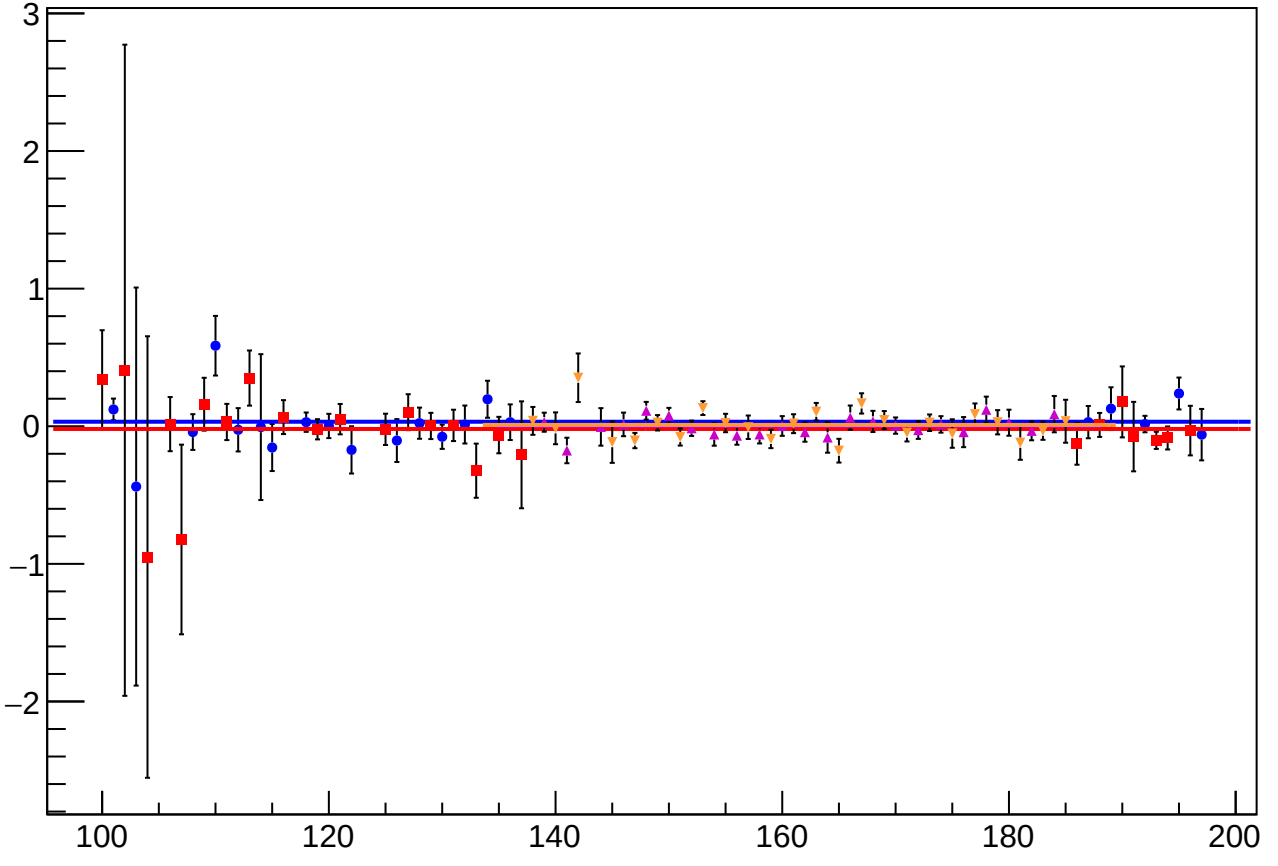
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 60.358+/-0.009 χ^2/NDF: 5322520.4/44

All: 61.784+/-0.007 χ^2/NDF: 10707159.4/92

- sign 63.281+/-0.009 χ^2/NDF: 5334795.2/47

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.025 χ^2/NDF: 18.8/20

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.020+/-0.026 χ^2/NDF: 15.4/24

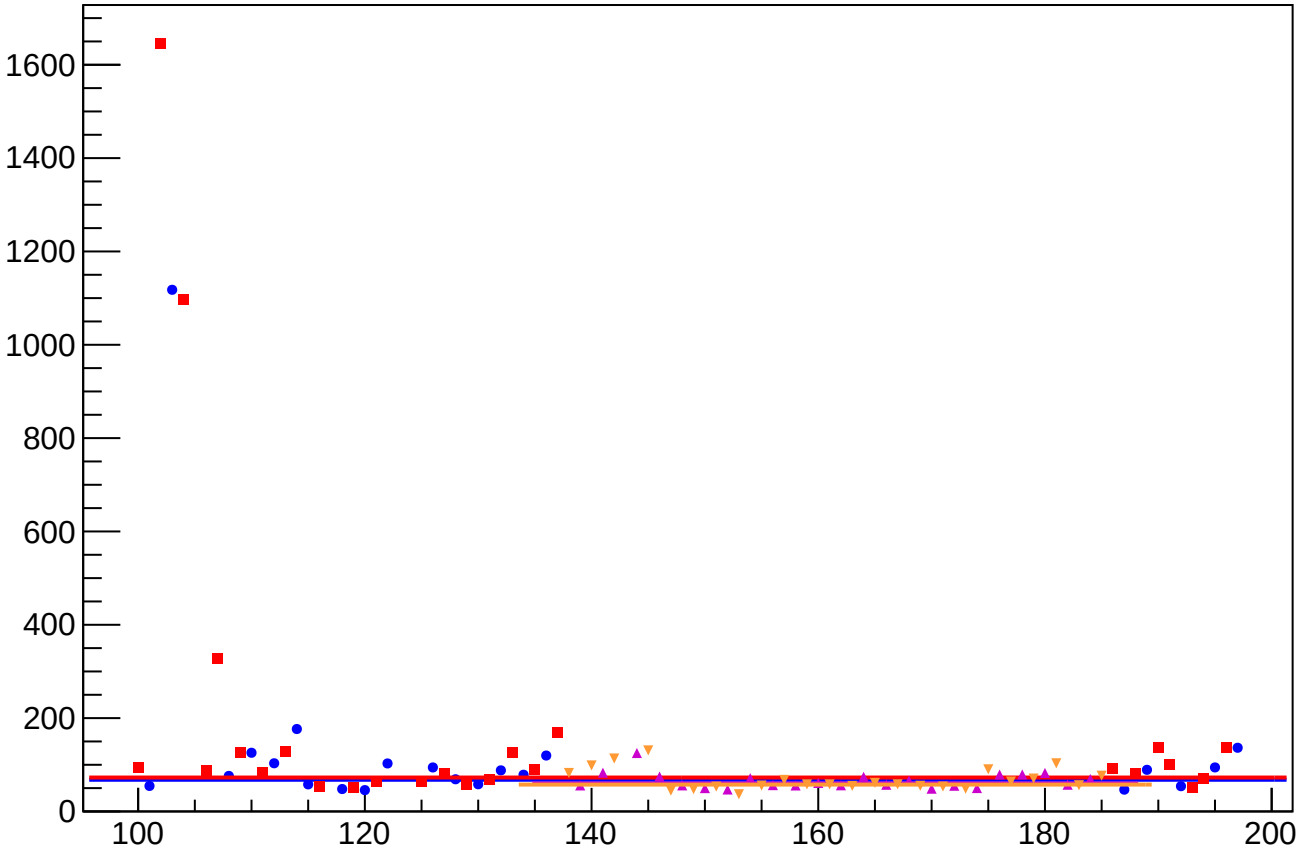
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

\+ sign 0.016+/-0.013 χ^2/NDF: 54.1/44

All: 0.006+/-0.009 χ^2/NDF: 86.8/92

\- sign -0.005+/-0.013 χ^2/NDF: 31.5/47

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.911+/-0.018 χ^2/NDF: 2860784.6/20

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 72.690+/-0.018 χ^2/NDF: 3624020.4/24

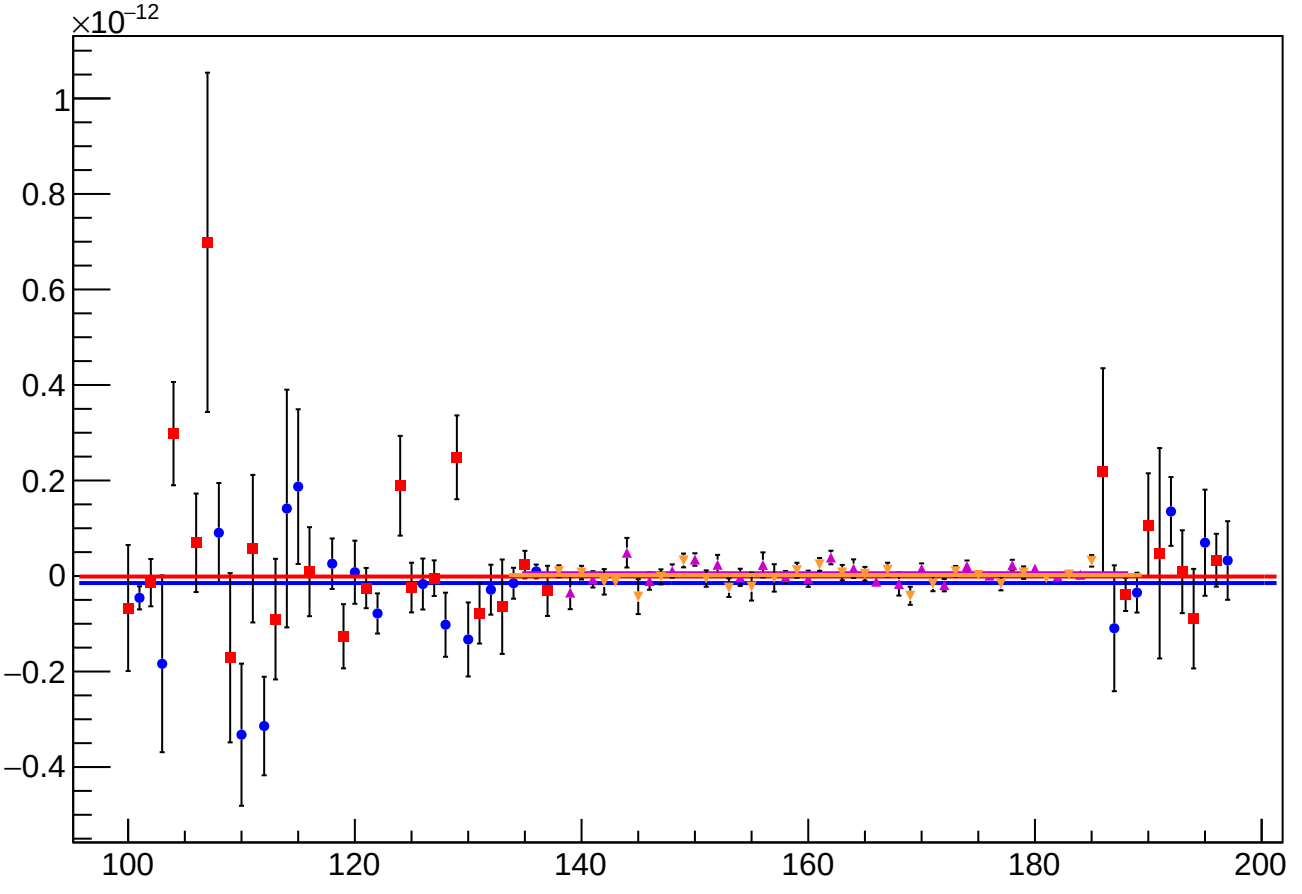
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 60.358+/-0.009 χ^2/NDF: 5322520.4/44

All: 61.784+/-0.007 χ^2/NDF: 10707159.4/92

- sign 63.281+/-0.009 χ^2/NDF: 5334795.2/47

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

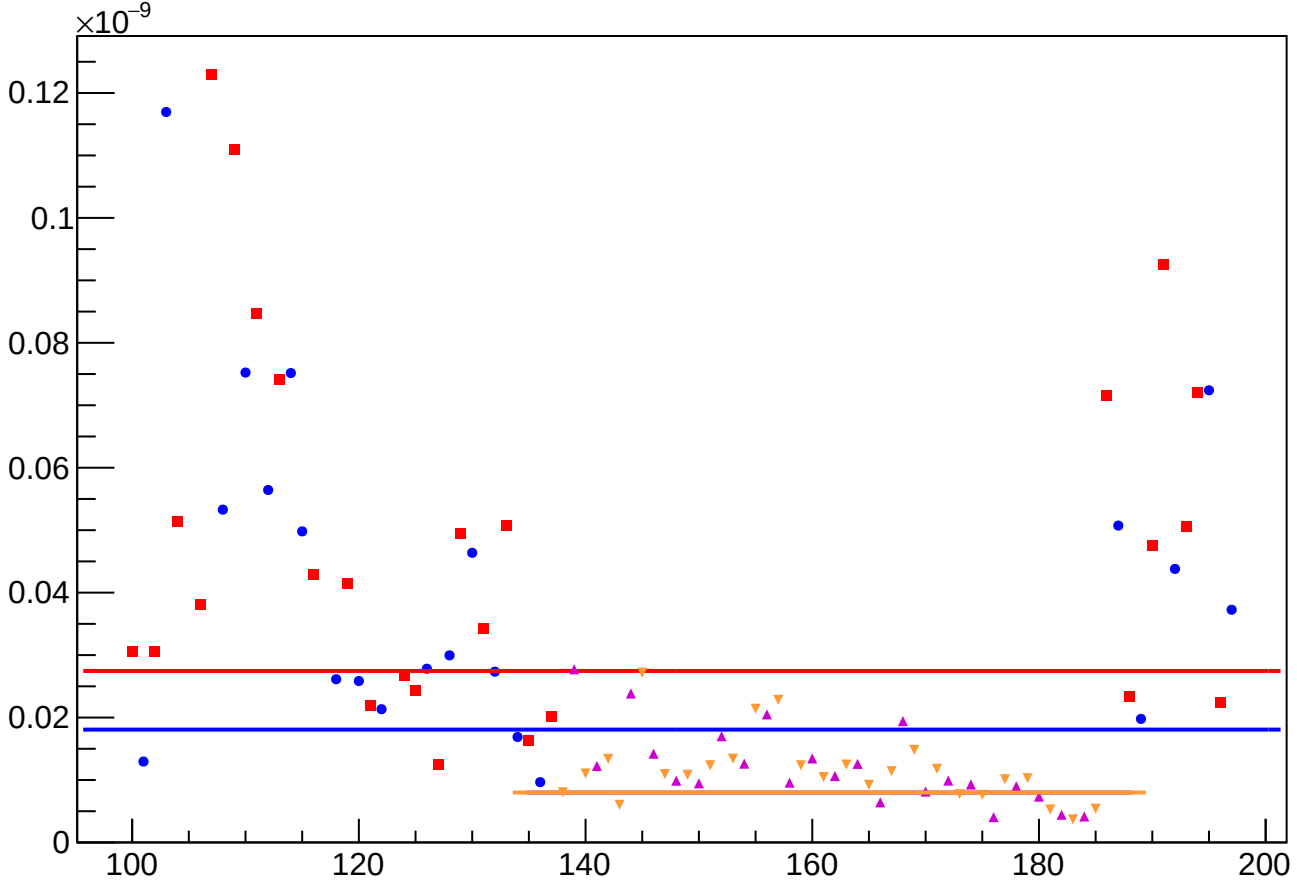
Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/25

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.1/45

All: 0.000+/-0.000 χ^2/NDF: 140.5/94

- sign 0.000+/-0.000 χ^2/NDF: 69.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 3837199.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3243683.8/25

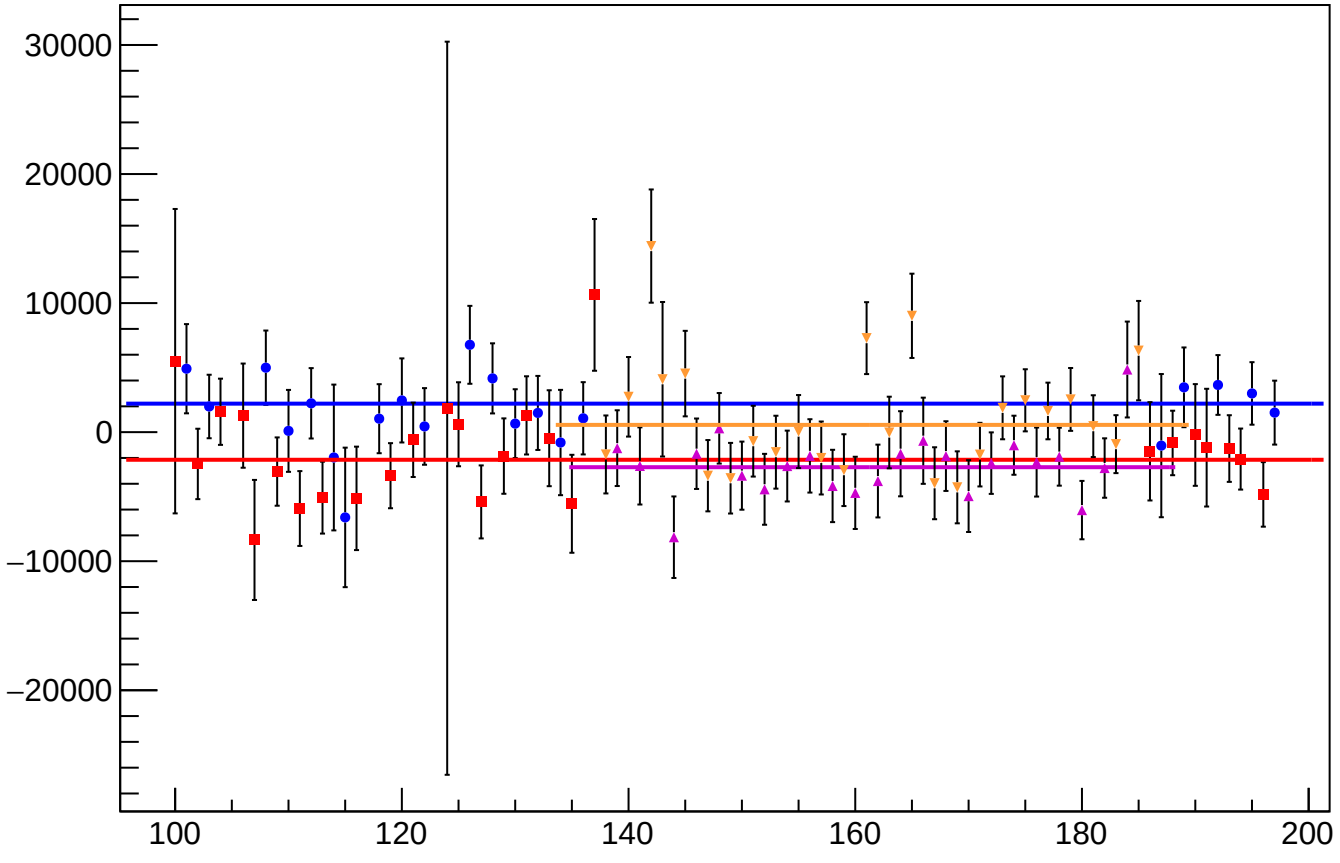
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10833306.1/45

All: 0.000+/-0.000 χ^2/NDF: 23956736.9/94

- sign 0.000+/-0.000 χ^2/NDF: 13120003.2/48

reg_asym_atl2_mean vs Slug



Right In: 2208.515+/-649.729 χ^2/NDF: 10.8/20

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2140.829+/-622.667 χ^2/NDF: 20.0/25

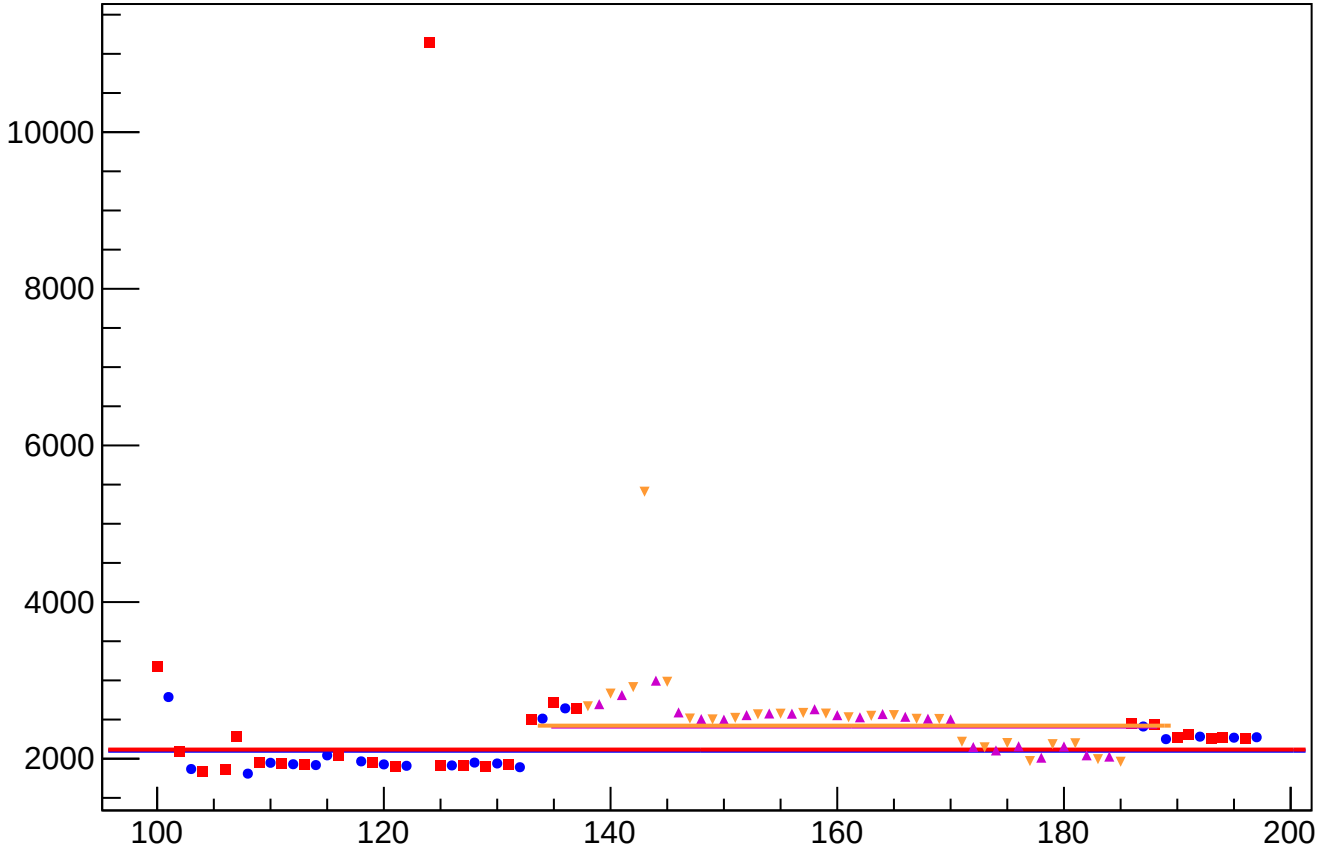
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1260.158+/-423.015 χ^2/NDF: 58.4/45

All: -615.938+/-297.654 χ^2/NDF: 132.1/94

- sign -2455.781+/-418.908 χ^2/NDF: 34.8/48

reg_asym_atl2_rms vs Slug



Right In: 2101.757+/-0.459 χ^2/NDF: 320699.4/20

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2116.803+/-0.440 χ^2/NDF: 499333.1/25

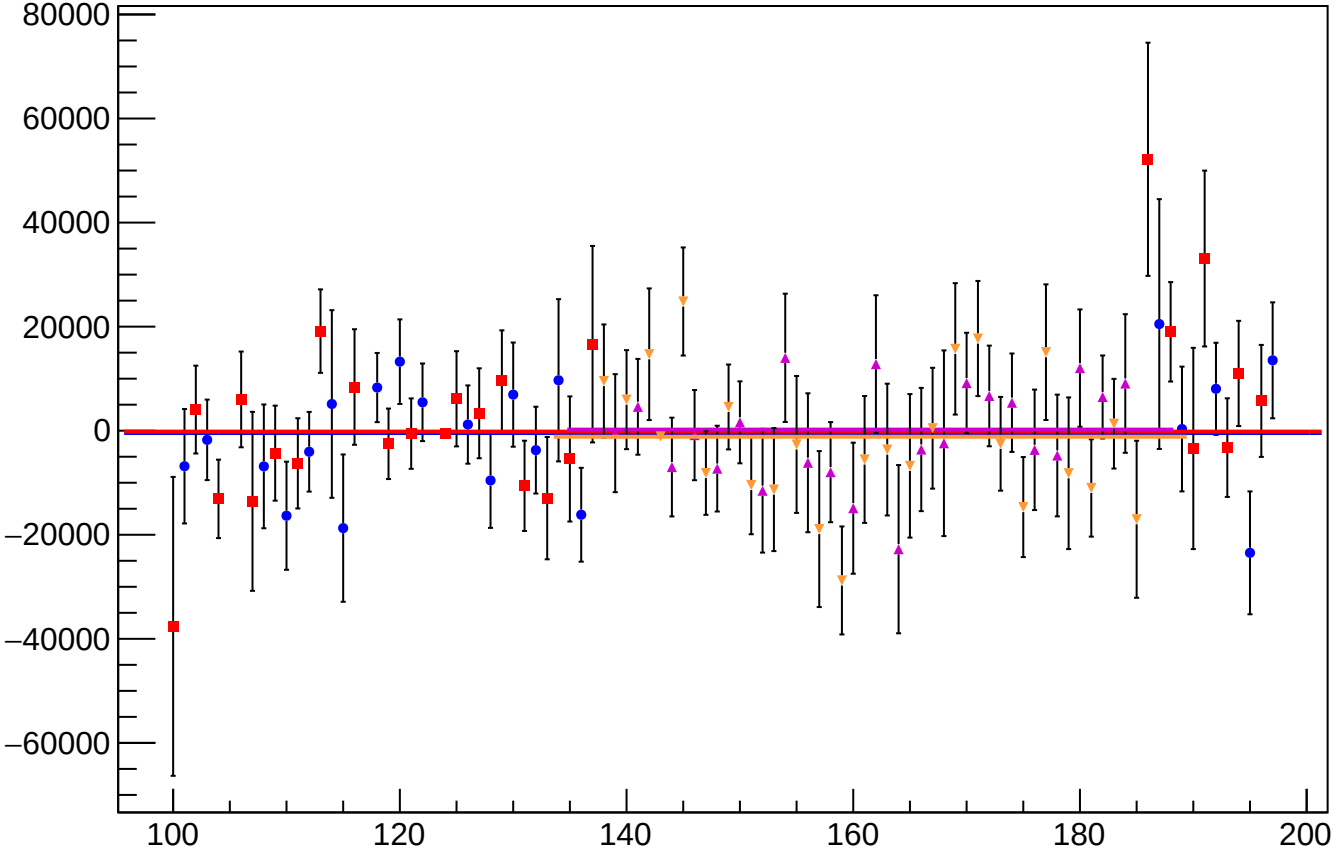
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2286.341+/-0.299 χ^2/NDF: 1553742.8/45

All: 2281.724+/-0.210 χ^2/NDF: 2724348.3/94

- sign 2277.197+/-0.296 χ^2/NDF: 1170133.7/48

asym_atl2_reg_correction_mean vs Slug



Right In: -444.238+/-2088.336 χ^2/NDF: 22.4/20

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

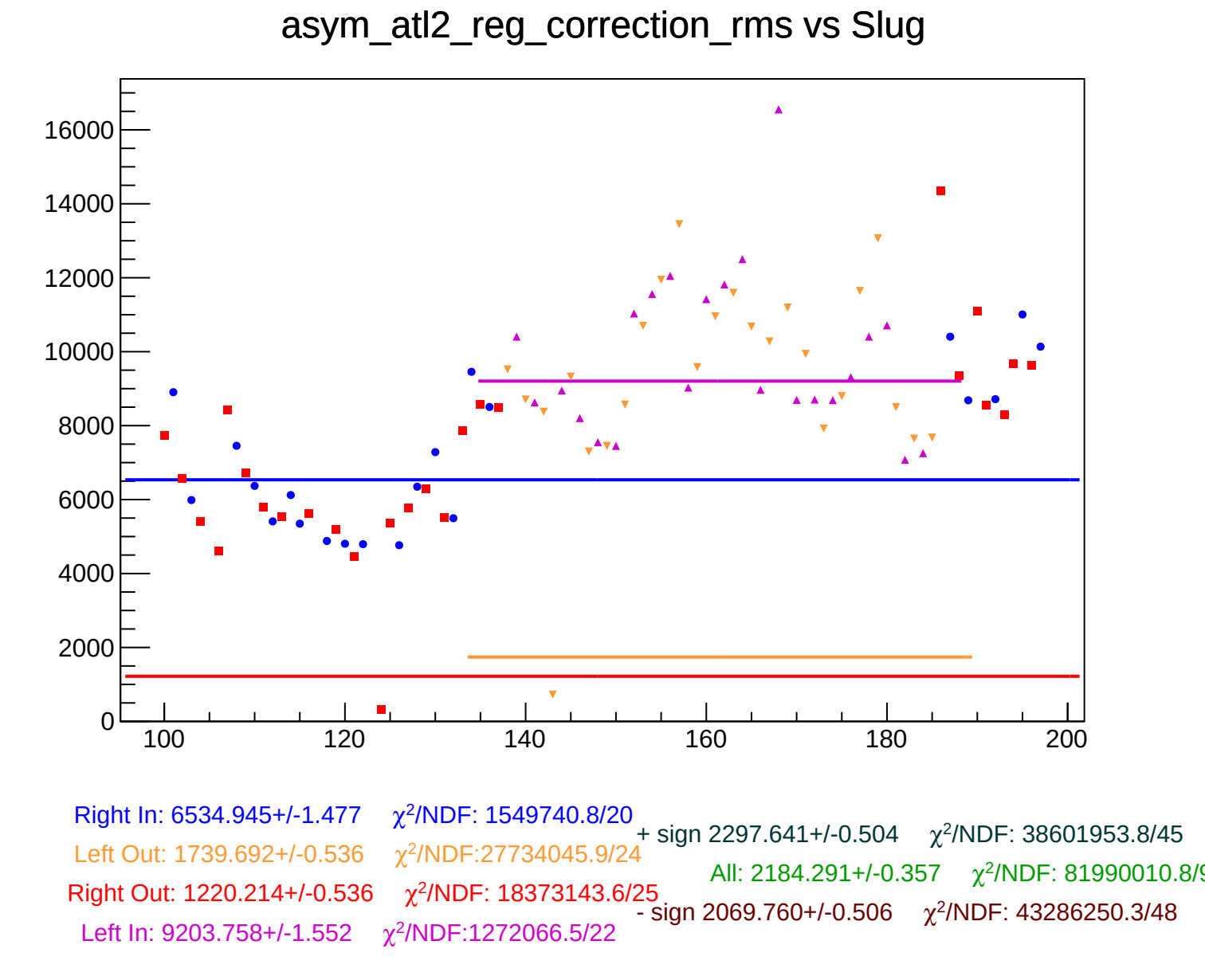
Right Out: -173.748+/-757.483 χ^2/NDF: 33.7/25

Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

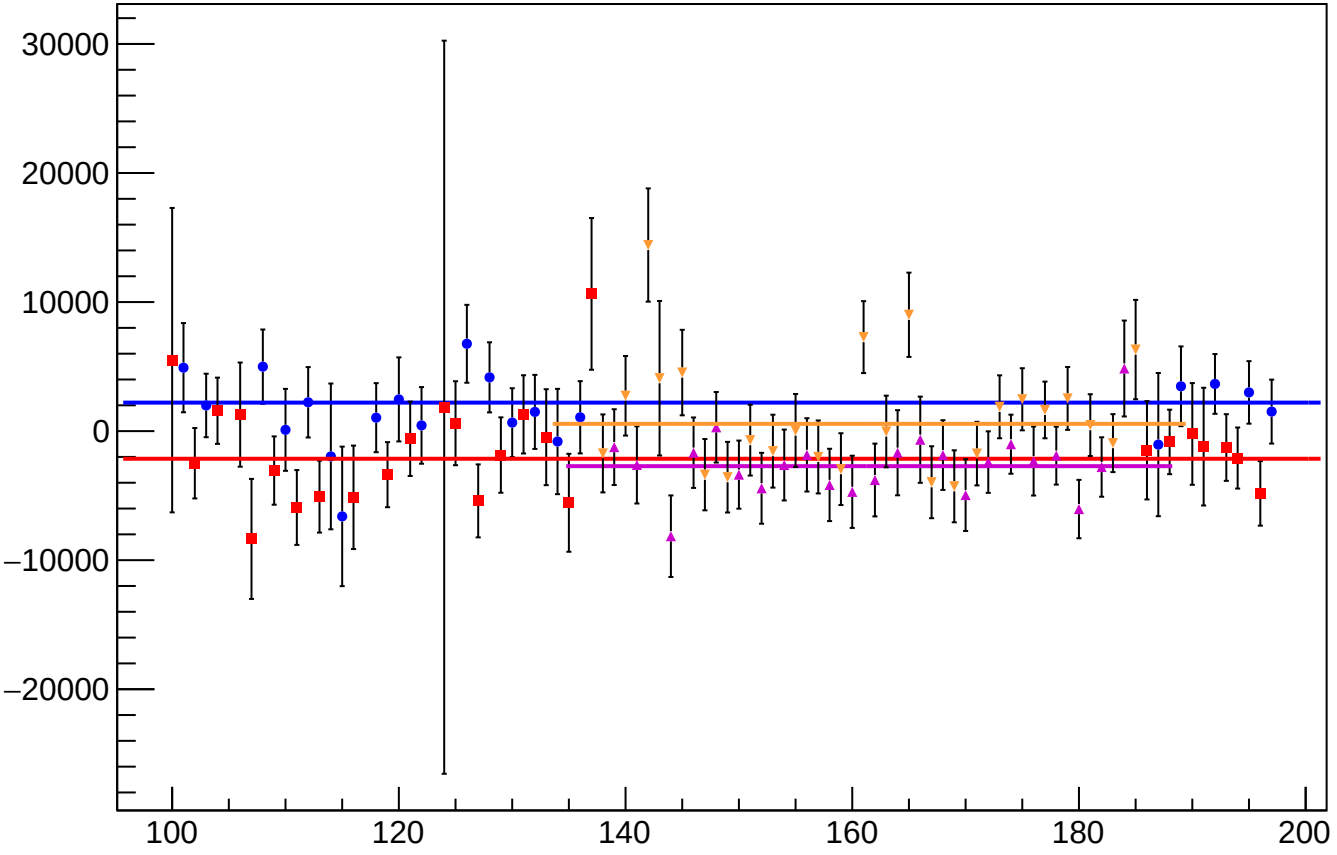
+ sign -1075.140+/-712.348 χ^2/NDF: 54.5/45

All: -606.485+/-505.009 χ^2/NDF: 102.4/94

- sign -132.950+/-716.047 χ^2/NDF: 47.1/48


asym_atl2_reg_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
Right In: 6534.945+/-1.477 χ²/NDF: 1549740.8/20
Left Out: 1739.692+/-0.536 χ²/NDF:27734045.9/24
Right Out: 1220.214+/-0.536 χ²/NDF: 18373143.6/25
Left In: 9203.758+/-1.552 χ²/NDF:1272066.5/22
+ sign 2297.641+/-0.504 χ²/NDF: 38601953.8/45
All: 2184.291+/-0.357 χ²/NDF: 81990010.8/9
- sign 2069.760+/-0.506 χ²/NDF: 43286250.3/48

cor_asym_atl2_mean vs Slug



Right In: 2208.612+/-649.729 χ^2/NDF: 10.8/20

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2142.075+/-622.671 χ^2/NDF: 20.0/25

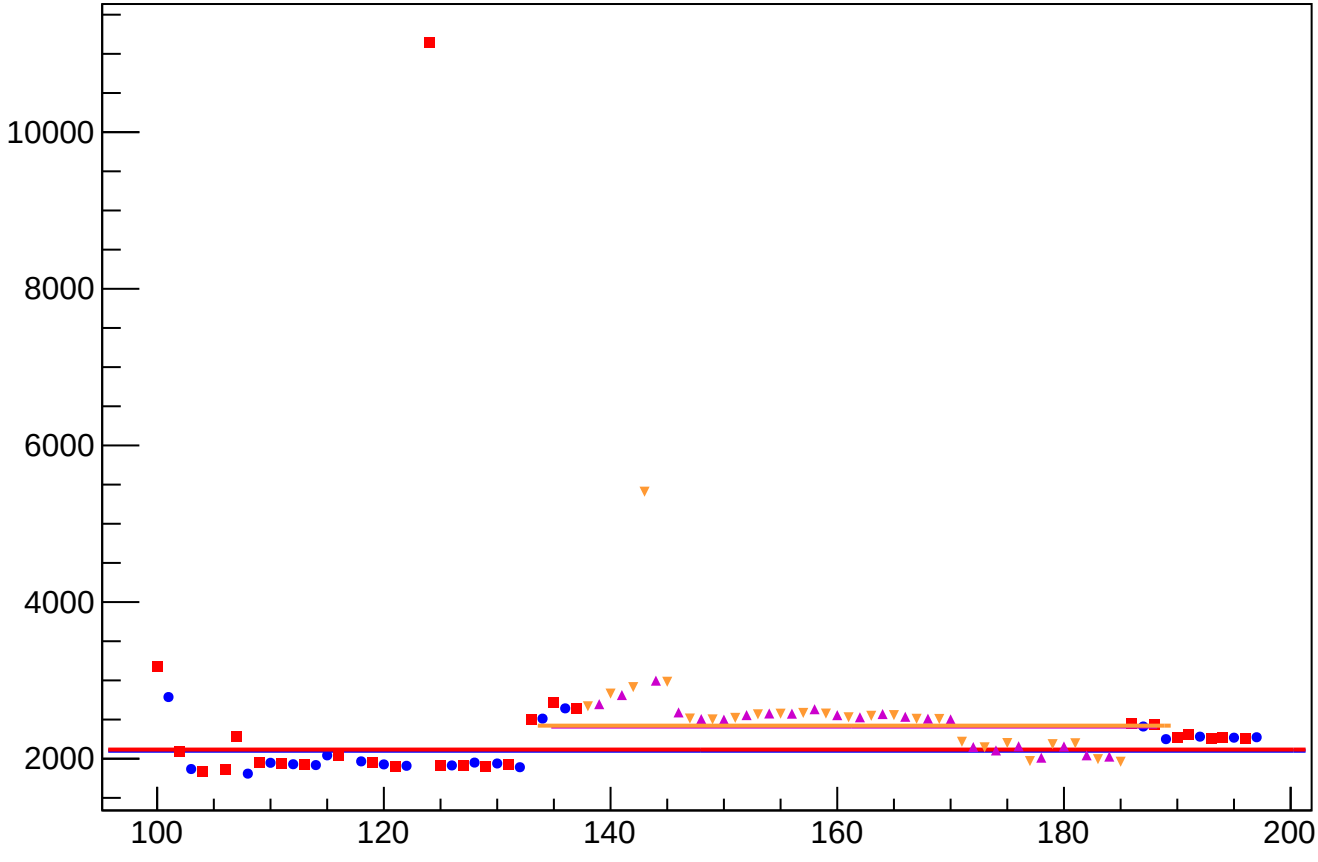
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1260.200+/-423.015 χ^2/NDF: 58.4/45

All: -616.187+/-297.655 χ^2/NDF: 132.1/94

- sign -2456.325+/-418.910 χ^2/NDF: 34.8/48

cor_asym_atl2_rms vs Slug



Right In: 2101.757+/-0.459 χ^2/NDF: 320699.3/20

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2116.819+/-0.440 χ^2/NDF: 499329.8/25

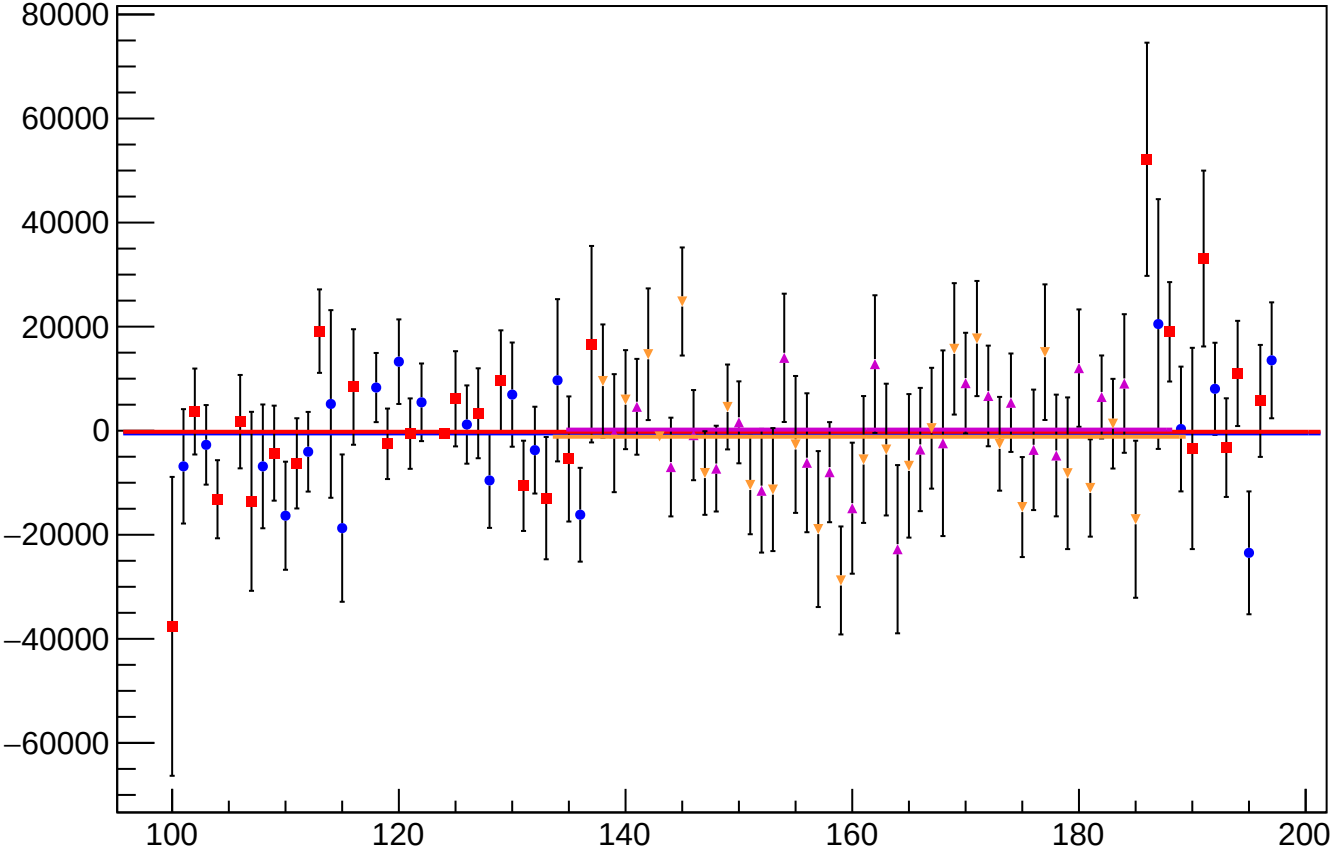
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2286.341+/-0.299 χ^2/NDF: 1553742.9/45

All: 2281.728+/-0.210 χ^2/NDF: 2724316.2/94

- sign 2277.205+/-0.296 χ^2/NDF: 1170102.3/48

asym_atl2_cor_correction_mean vs Slug



Right In: -518.587+/-2086.525 χ^2/NDF: 22.5/20

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -206.405+/-757.158 χ^2/NDF: 33.3/25

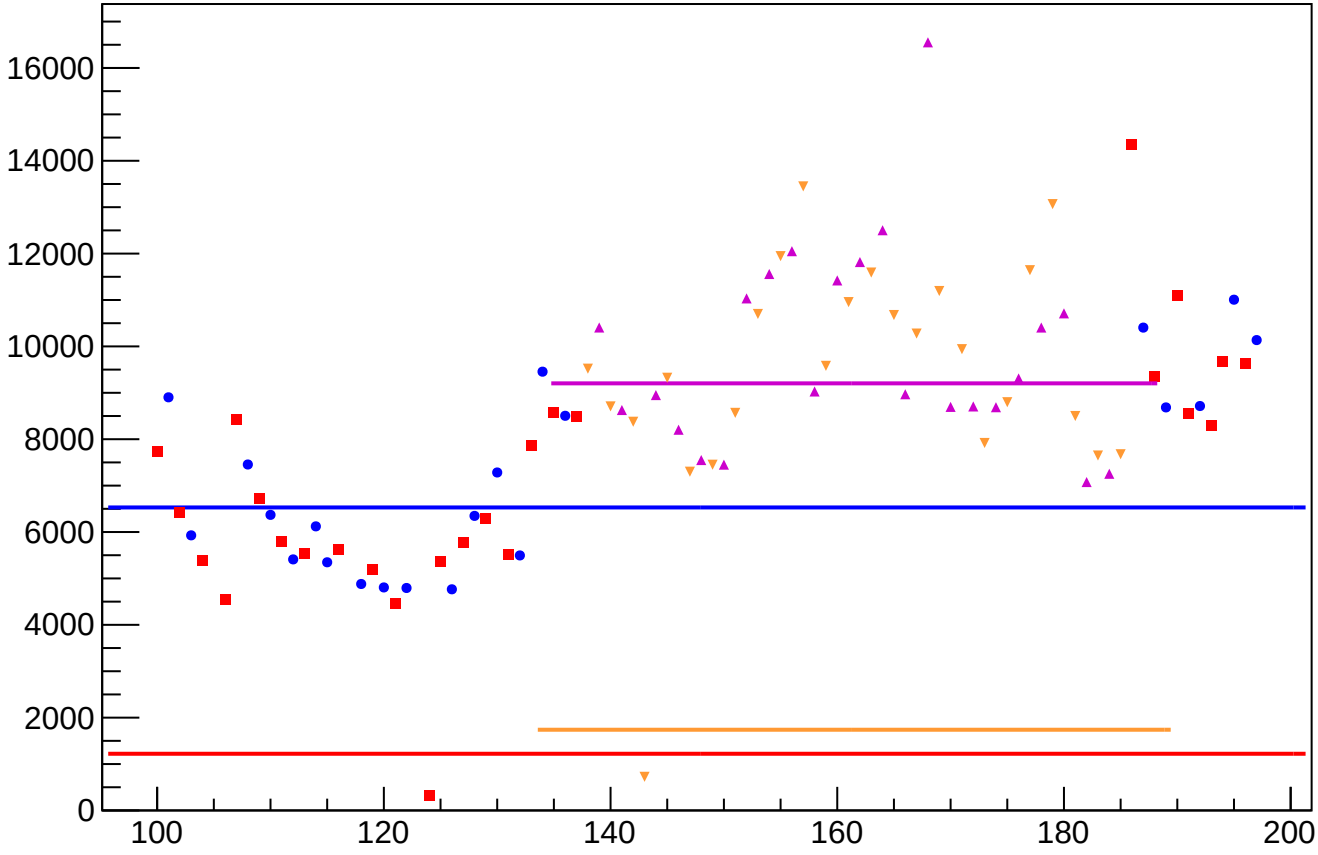
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

\+ sign -1083.476+/-712.222 χ^2/NDF: 54.5/45

All: -625.119+/-504.868 χ^2/NDF: 102.1/94

\- sign -162.182+/-715.772 χ^2/NDF: 46.7/48

asym_atl2_cor_correction_rms vs Slug



Right In: 6529.611+/-1.475 χ^2/NDF: 1552164.5/20

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

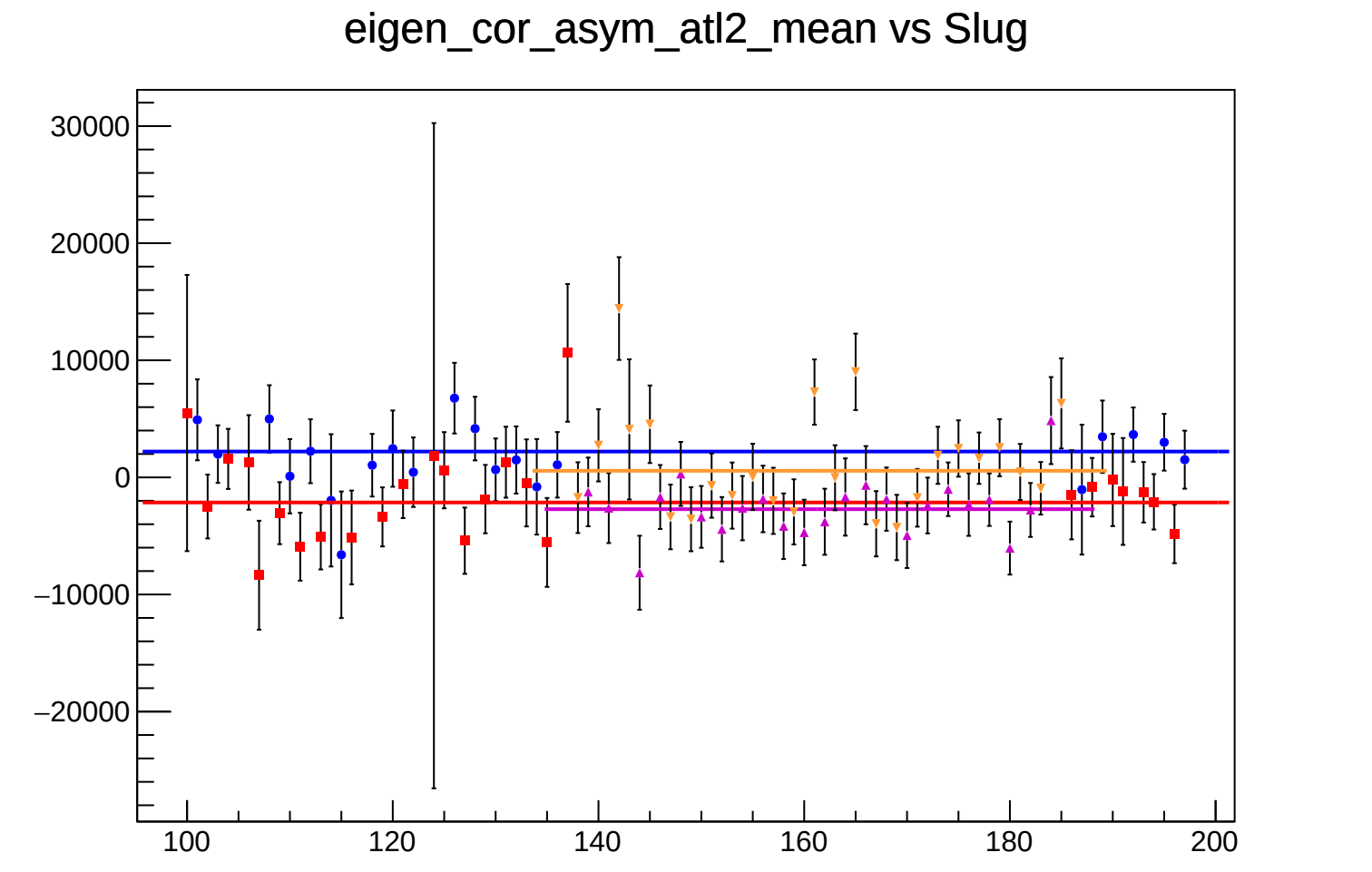
Right Out: 1221.691+/-0.535 χ^2/NDF: 18366692.3/25

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2297.584+/-0.504 χ^2/NDF: 38600063.1/45

All: 2184.571+/-0.357 χ^2/NDF: 81974479.8/9

- sign 2070.428+/-0.506 χ^2/NDF: 43273200.0/48



Right In: 2208.612+/-649.729 χ^2/NDF: 10.8/20

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2142.075+/-622.671 χ^2/NDF: 20.0/25

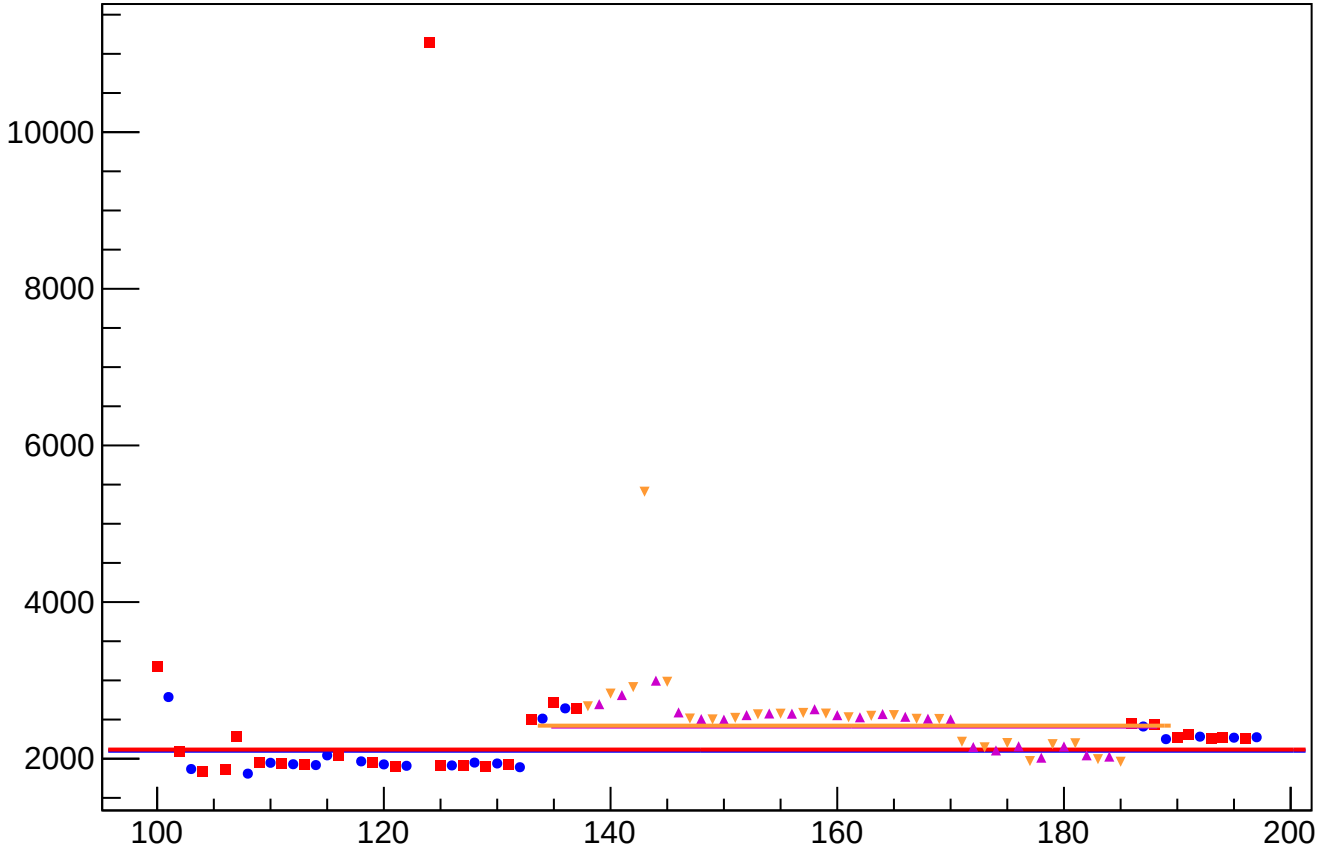
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1260.200+/-423.015 χ^2/NDF: 58.4/45

All: -616.187+/-297.655 χ^2/NDF: 132.1/94

- sign -2456.325+/-418.910 χ^2/NDF: 34.8/48

eigen_cor_asym_atl2_rms vs Slug



Right In: 2101.757+/-0.459 χ^2/NDF: 320699.3/20

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2116.819+/-0.440 χ^2/NDF: 499329.8/25

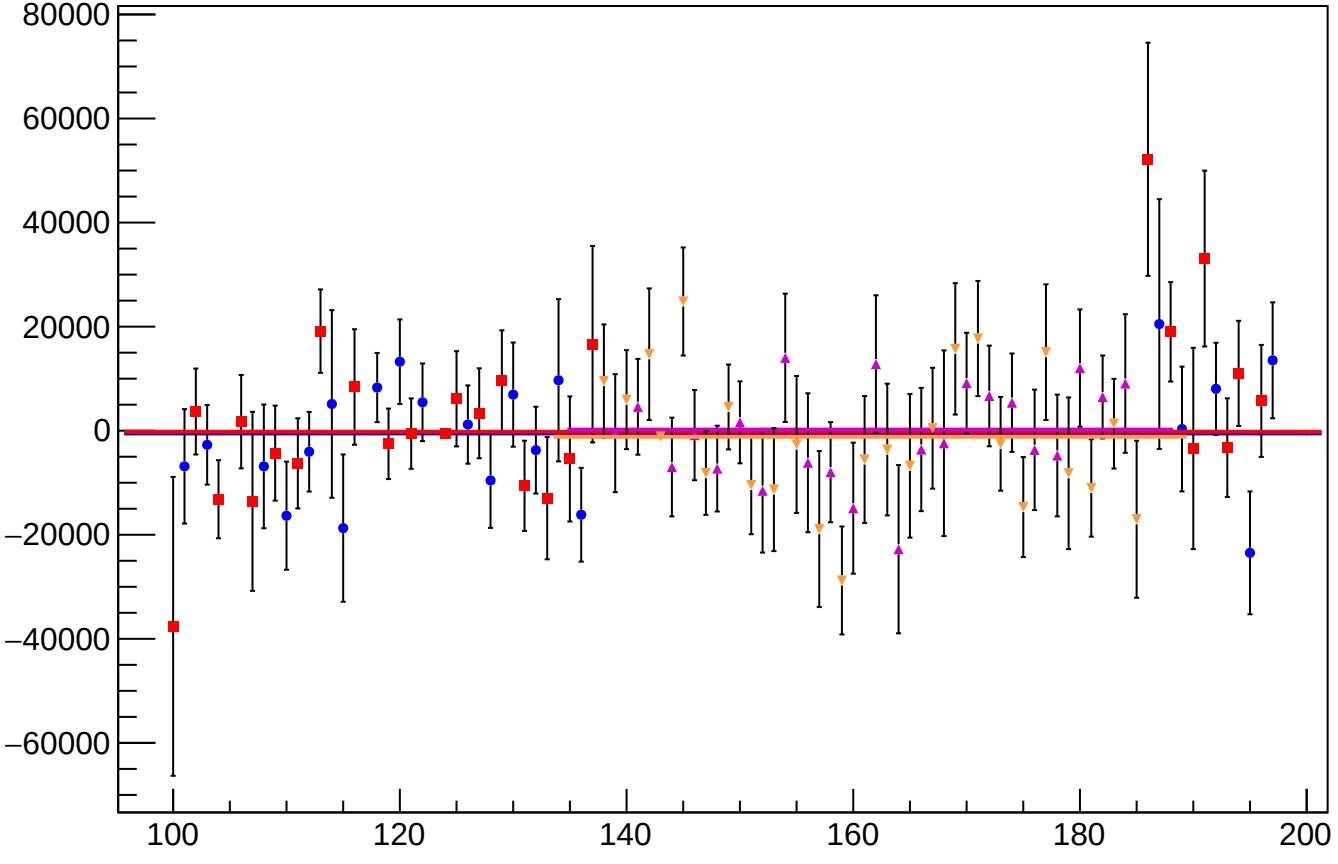
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2286.341+/-0.299 χ^2/NDF: 1553742.9/45

All: 2281.728+/-0.210 χ^2/NDF: 2724316.2/94

- sign 2277.205+/-0.296 χ^2/NDF: 1170102.3/48

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -518.587+/-2086.525 χ^2/NDF: 22.5/20

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -206.405+/-757.158 χ^2/NDF: 33.3/25

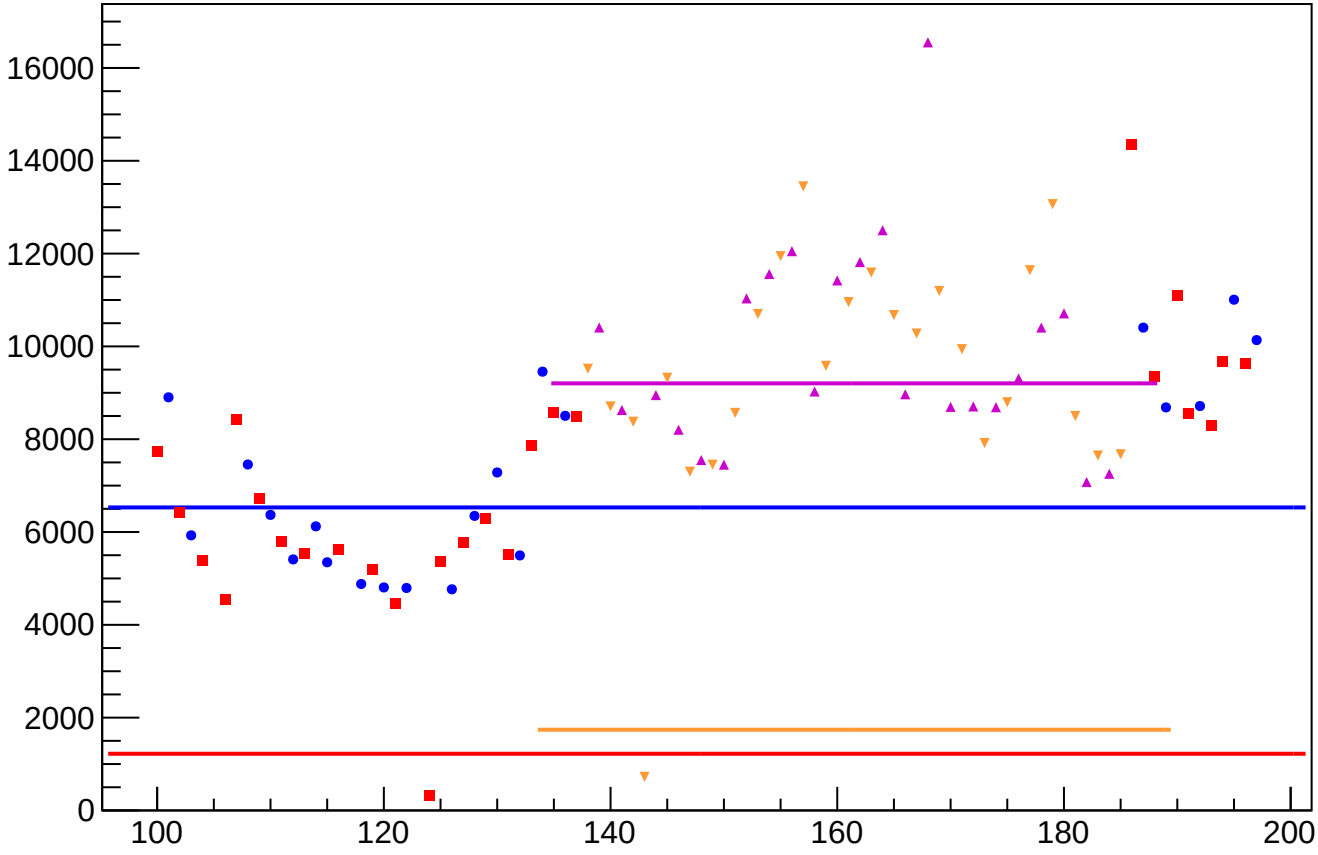
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1083.476+/-712.222 χ^2/NDF: 54.5/45

All: -625.119+/-504.868 χ^2/NDF: 102.1/94

- sign -162.182+/-715.772 χ^2/NDF: 46.7/48

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 6529.611+/-1.475 χ^2/NDF: 1552164.5/20

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1221.691+/-0.535 χ^2/NDF: 18366692.3/25

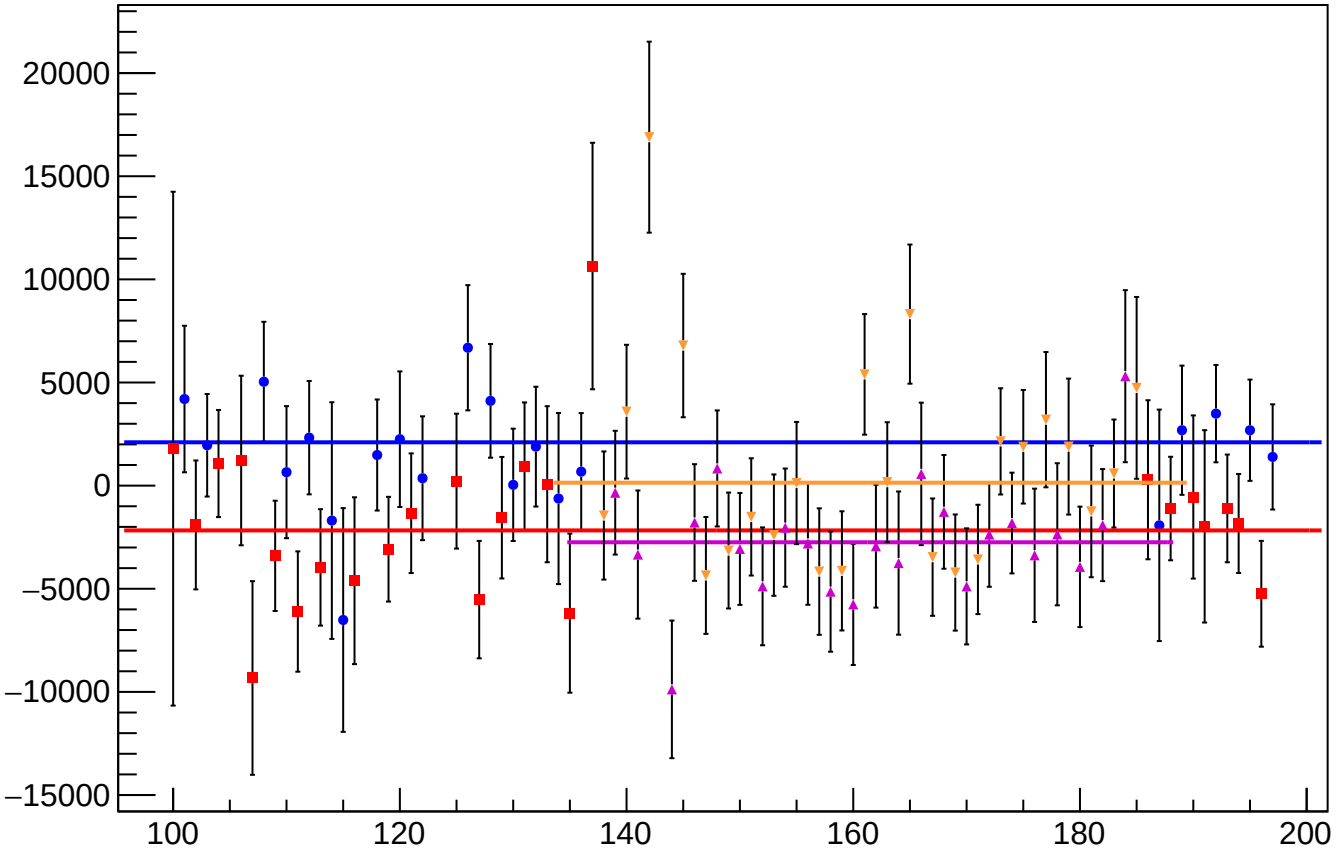
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2297.584+/-0.504 χ^2/NDF: 38600063.1/45

All: 2184.571+/-0.357 χ^2/NDF: 81974479.8/9

- sign 2070.428+/-0.506 χ^2/NDF: 43273200.0/48

dit_asym_atl2_mean vs Slug



Right In: 2100.738+/-658.794 χ^2/NDF: 10.0/20

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2170.545+/-633.848 χ^2/NDF: 19.1/24

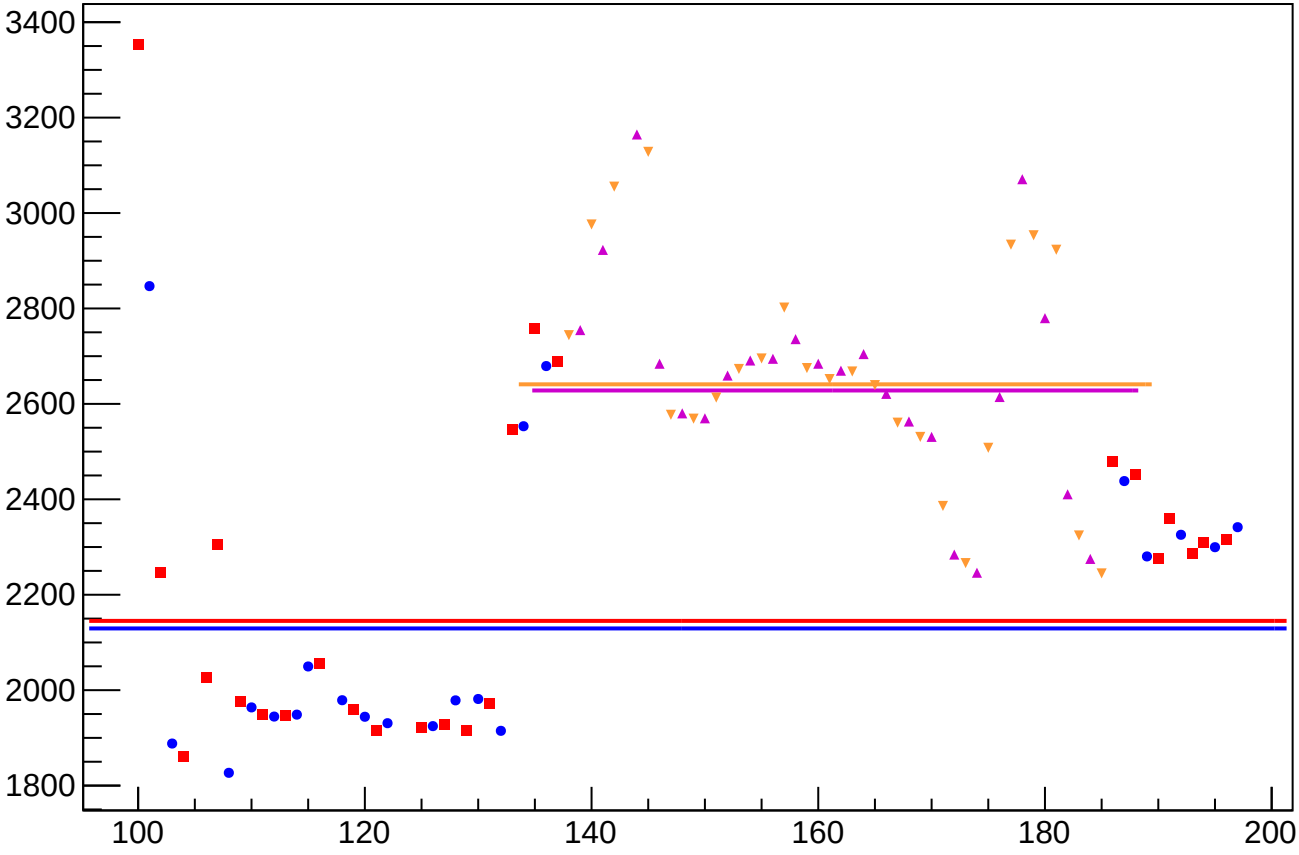
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1055.528+/-449.842 χ^2/NDF: 60.6/44

All: -737.215+/-315.204 χ^2/NDF: 126.7/92

- sign -2466.422+/-441.798 χ^2/NDF: 34.9/47

dit_asym_atl2_rms vs Slug



Right In: 2129.381+/-0.466 χ^2/NDF: 336068.8/20

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2145.198+/-0.448 χ^2/NDF: 304447.5/24

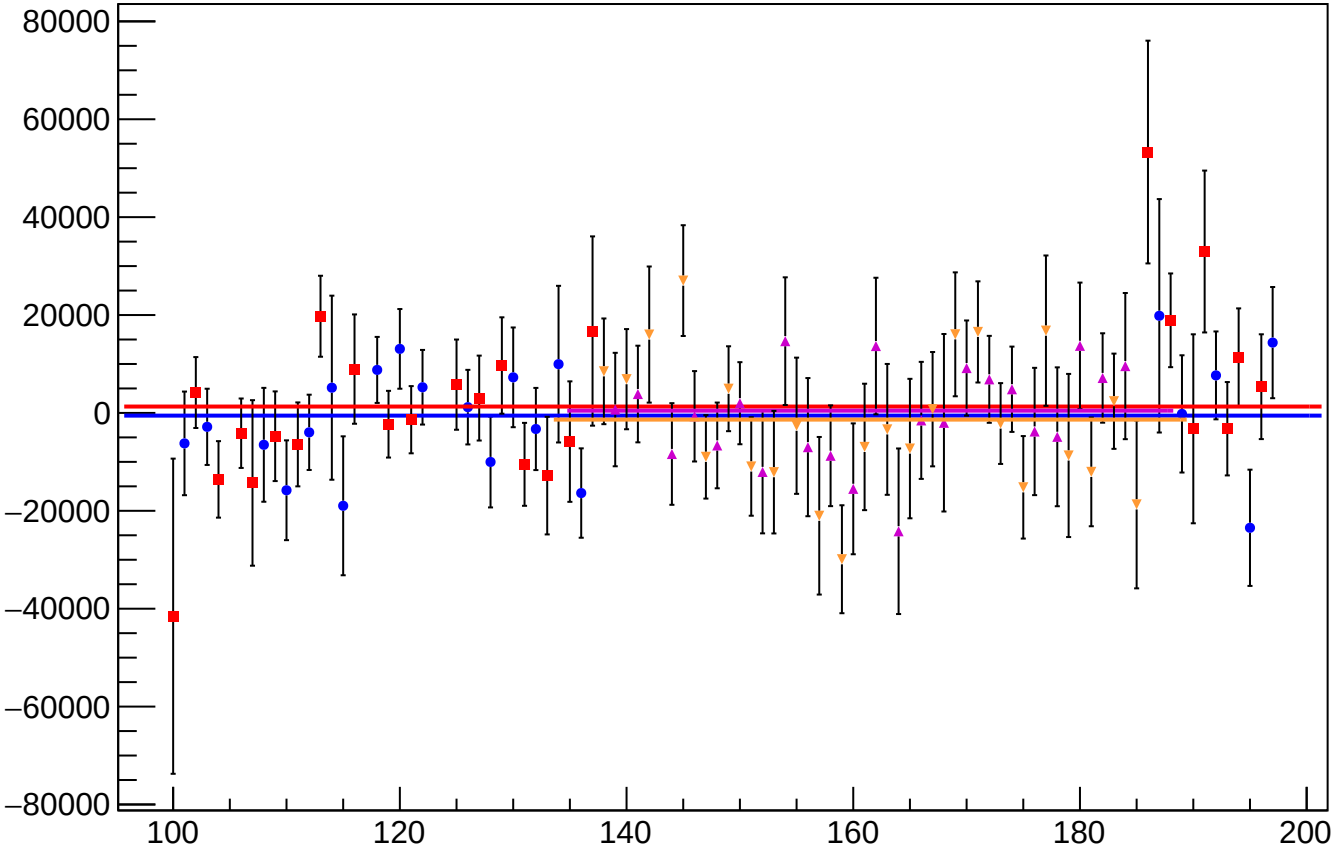
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2402.452+/-0.318 χ^2/NDF: 1233262.8/44

All: 2397.769+/-0.223 χ^2/NDF: 2373188.0/92

- sign 2393.256+/-0.312 χ^2/NDF: 1139499.6/47

asym_atl2_dit_correction_mean vs Slug



Right In: -551.042+/-2103.986 χ^2/NDF: 22.4/20

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 1304.038+/-1942.819 χ^2/NDF: 33.1/24

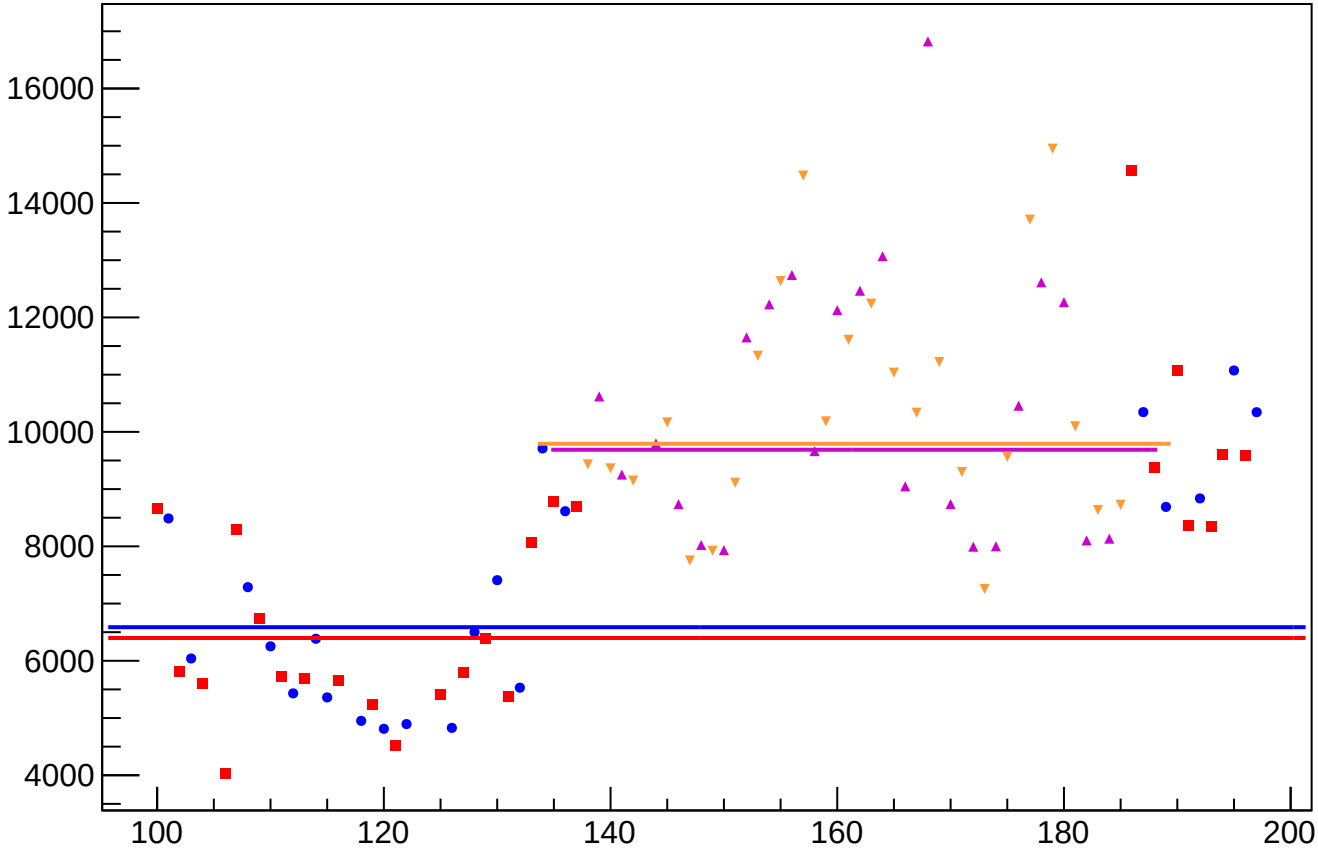
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

\+ sign -918.109+/-1560.432 χ^2/NDF: 53.7/44

All: 63.788+/-1076.890 χ^2/NDF: 100.7/92

\- sign 956.706+/-1488.051 χ^2/NDF: 46.3/47

asym_atl2_dit_correction_rms vs Slug



Right In: 6587.119+/-1.488 χ^2/NDF: 1522728.6/20

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6398.945+/-1.374 χ^2/NDF: 1802028.1/24

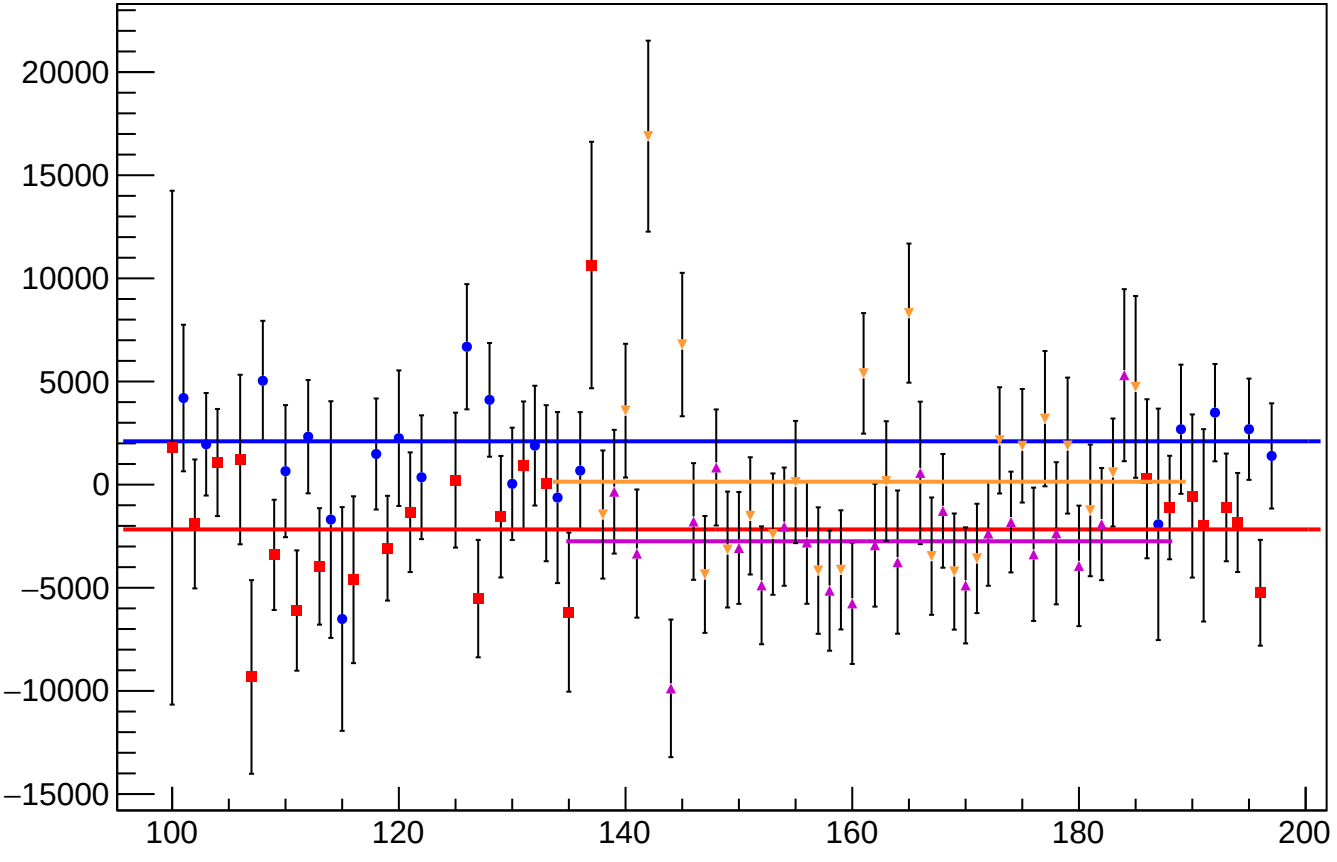
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8029.253+/-1.103 χ^2/NDF: 4830094.5/44

All: 7887.497+/-0.761 χ^2/NDF: 10411461.8/9

- sign 7758.586+/-1.052 χ^2/NDF: 5549852.1/47

eigen_dit_asym_atl2_mean vs Slug



Right In: 2100.737+/-658.794 χ^2/NDF: 10.0/20

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2170.549+/-633.848 χ^2/NDF: 19.1/24

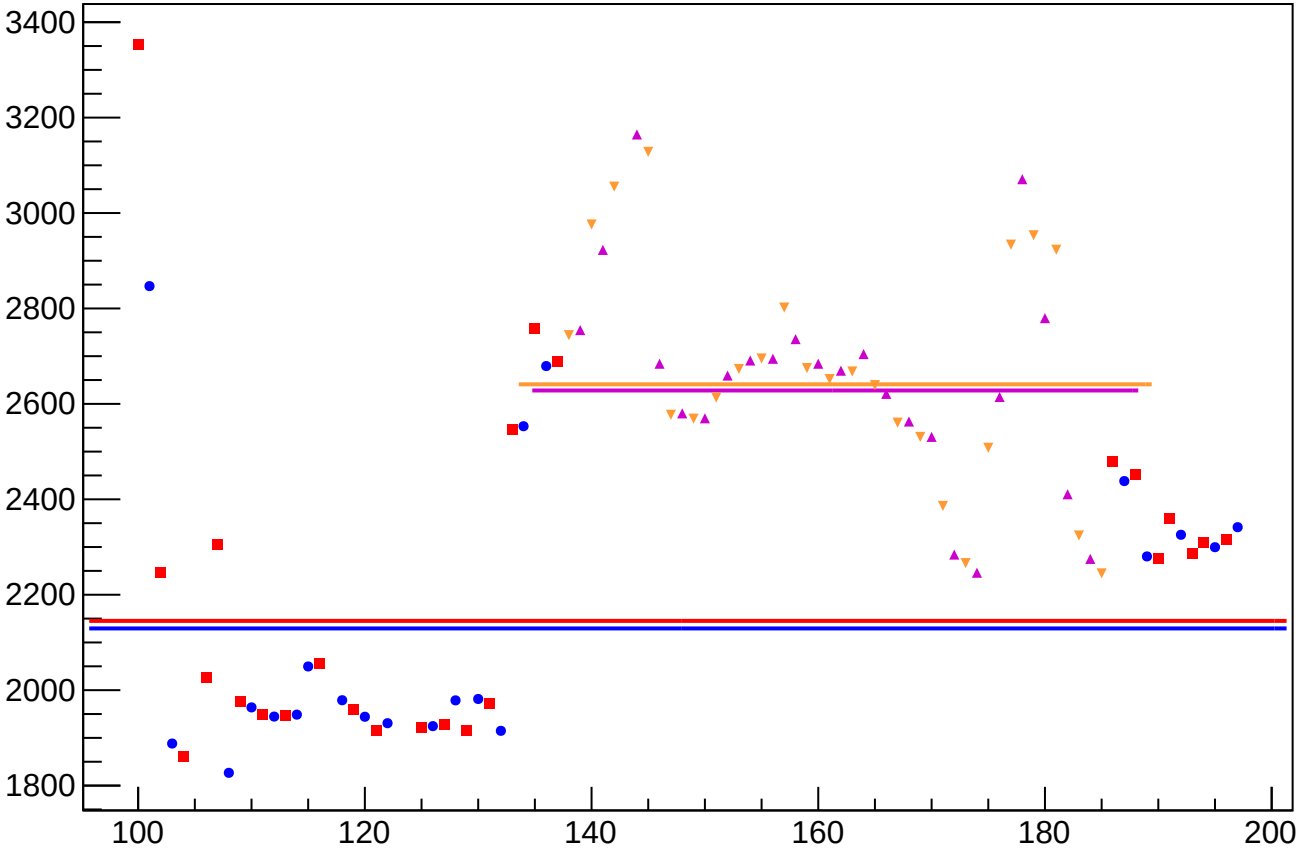
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1055.524+/-449.842 χ^2/NDF: 60.6/44

All: -737.218+/-315.204 χ^2/NDF: 126.7/92

- sign -2466.422+/-441.798 χ^2/NDF: 34.9/47

eigen_dit_asym_atl2_rms vs Slug



Right In: 2129.381+/-0.466 χ^2/NDF: 336068.9/20

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2145.198+/-0.448 χ^2/NDF: 304447.6/24

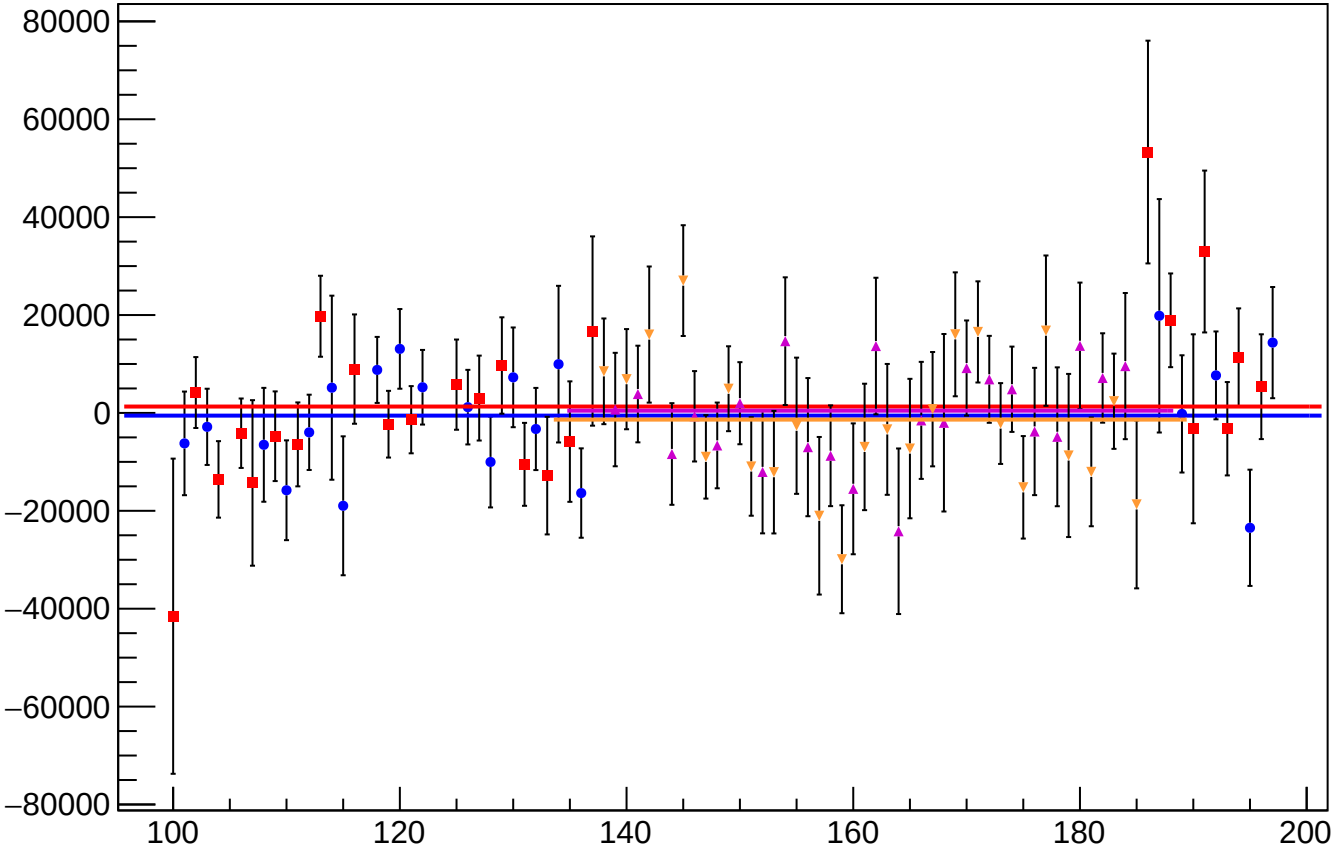
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2402.453+/-0.318 χ^2/NDF: 1233276.9/44

All: 2397.770+/-0.223 χ^2/NDF: 2373216.9/92

- sign 2393.257+/-0.312 χ^2/NDF: 1139514.3/47

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -551.033+/-2103.981 χ^2/NDF: 22.4/20

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 1304.027+/-1942.815 χ^2/NDF: 33.1/24

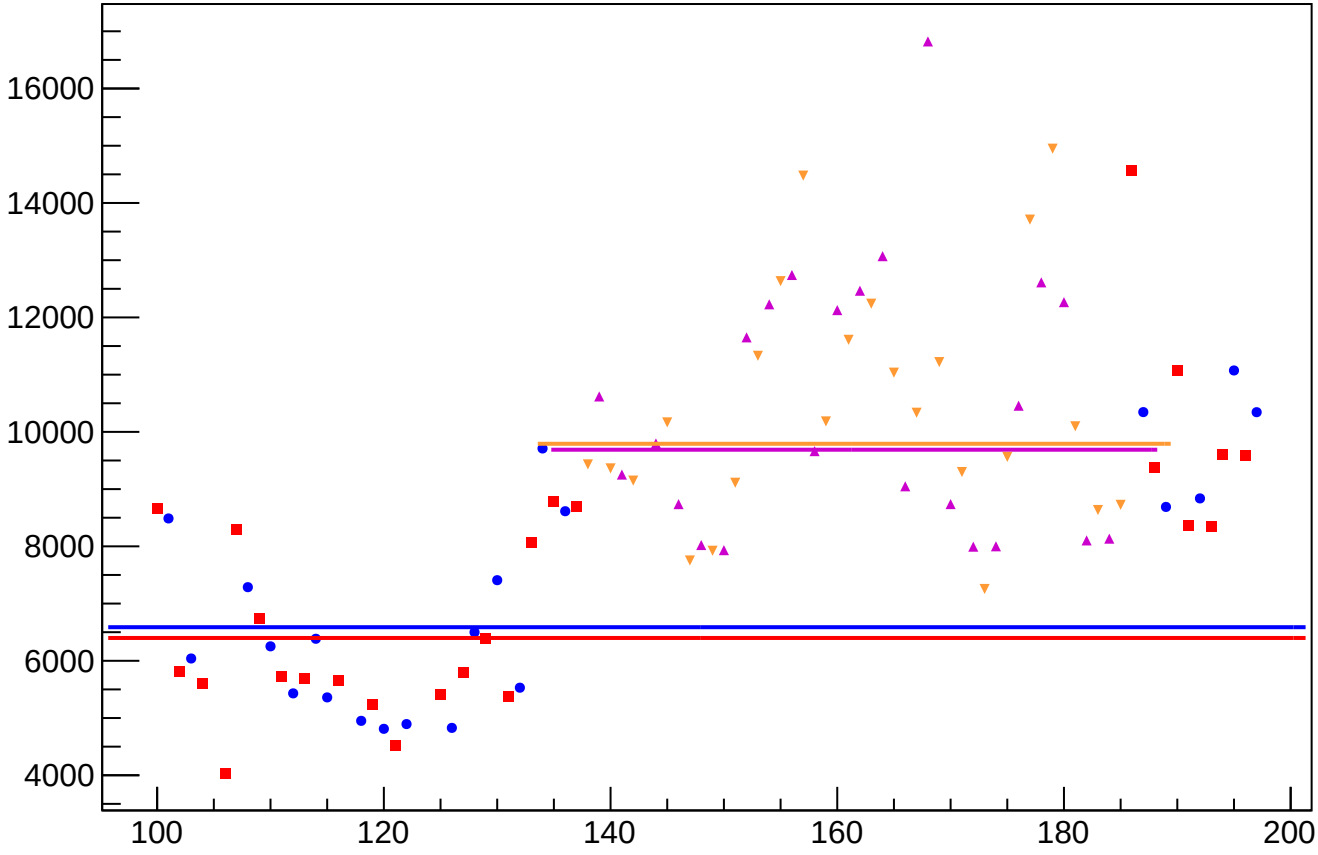
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -918.106+/-1560.431 χ^2/NDF: 53.7/44

All: 63.787+/-1076.890 χ^2/NDF: 100.7/92

- sign 956.702+/-1488.050 χ^2/NDF: 46.3/47

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6587.101+/-1.488 χ^2/NDF: 1522752.8/20

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6398.930+/-1.374 χ^2/NDF: 1802047.0/24

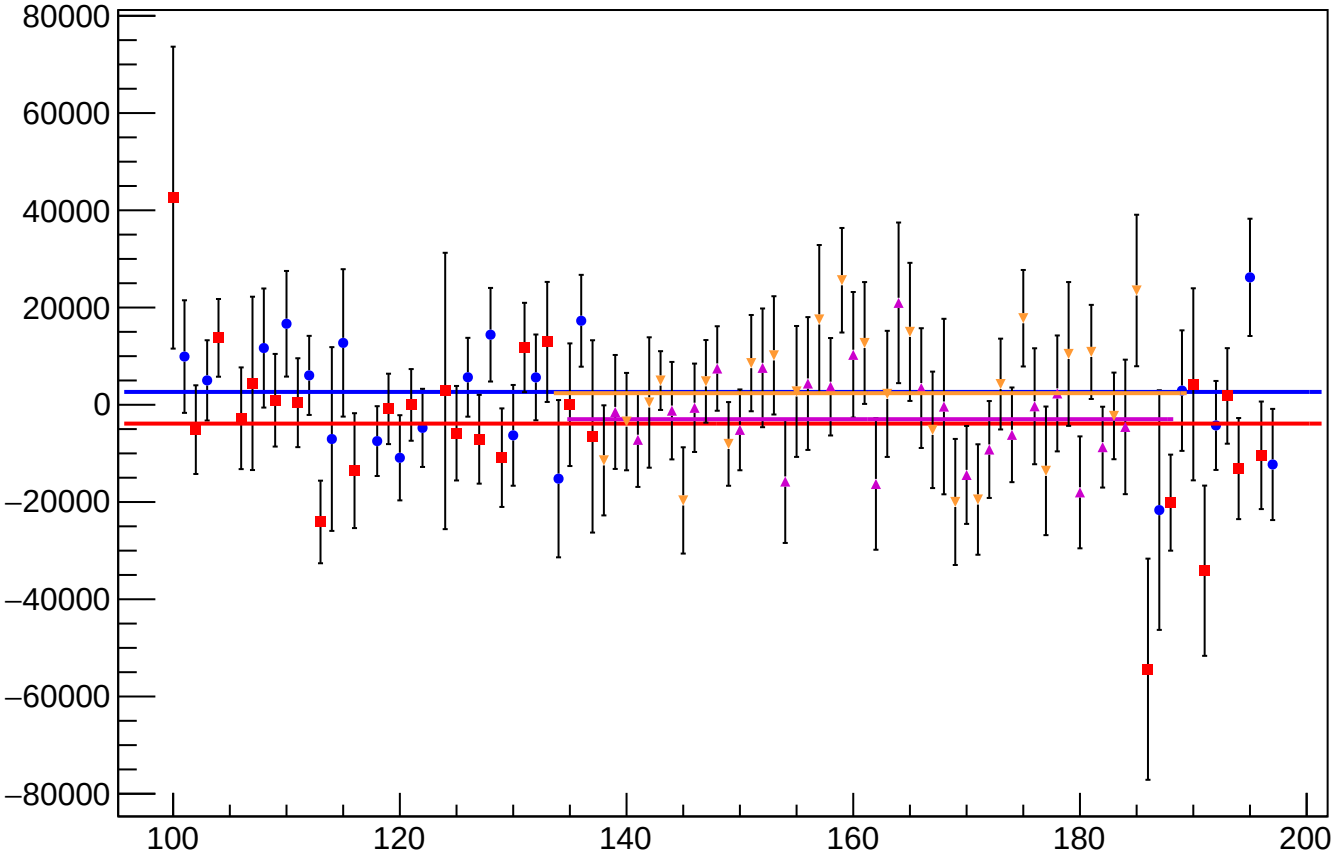
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8029.245+/-1.103 χ^2/NDF: 4830165.3/44

All: 7887.488+/-0.761 χ^2/NDF: 10411597.6/9

- sign 7758.577+/-1.052 χ^2/NDF: 5549917.1/47

asym_atl2_mean vs Slug



Right In: 2644.334+/-2207.166 χ^2/NDF: 22.0/20

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -3871.006+/-2089.391 χ^2/NDF: 32.5/25

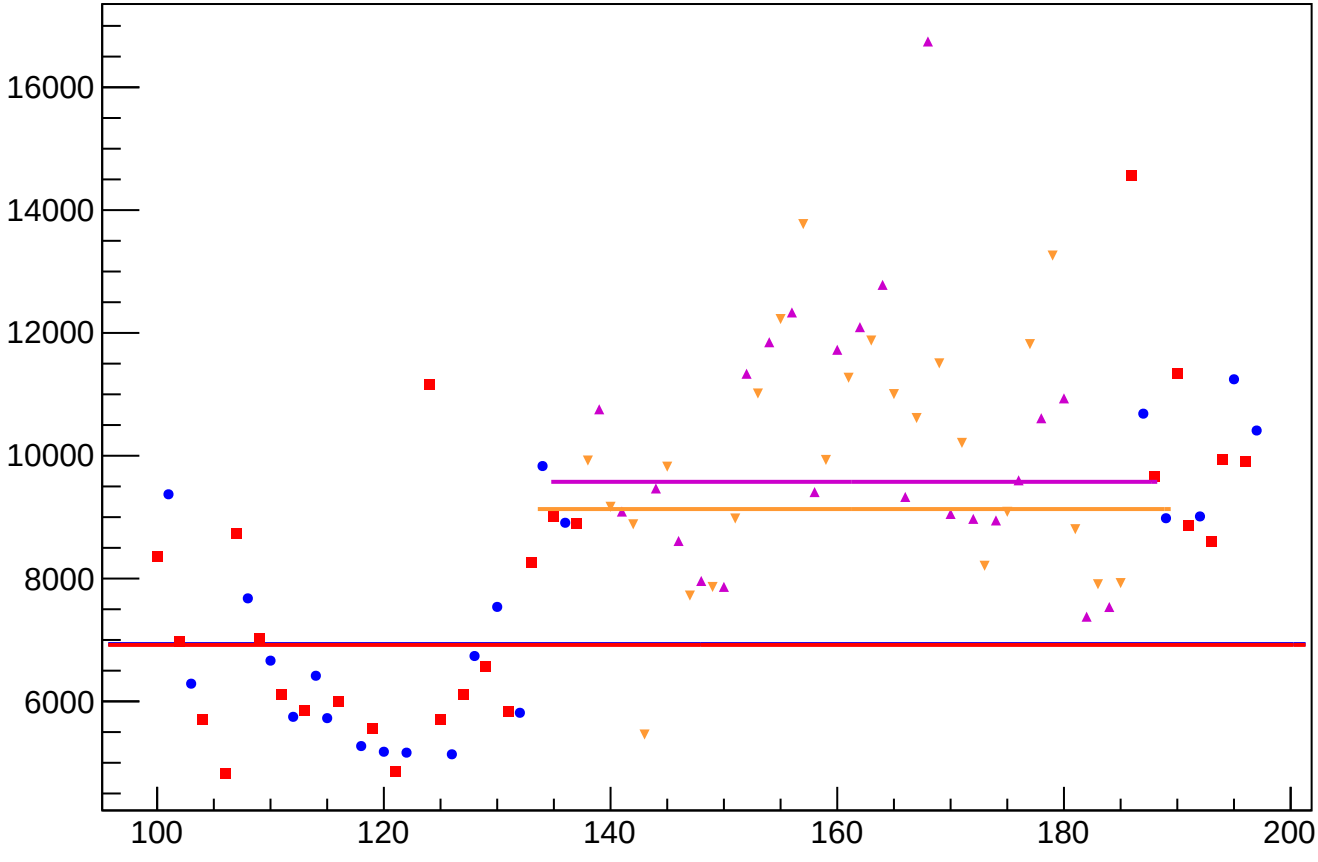
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2511.926+/-1535.119 χ^2/NDF: 51.7/45

All: -462.700+/-1087.242 χ^2/NDF: 104.8/94

- sign -3456.572+/-1540.077 χ^2/NDF: 45.5/48

asym_atl2_rms vs Slug



Right In: 6933.215+/-1.561 χ^2/NDF: 1384734.3/20

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 6919.769+/-1.477 χ^2/NDF: 1536772.3/25

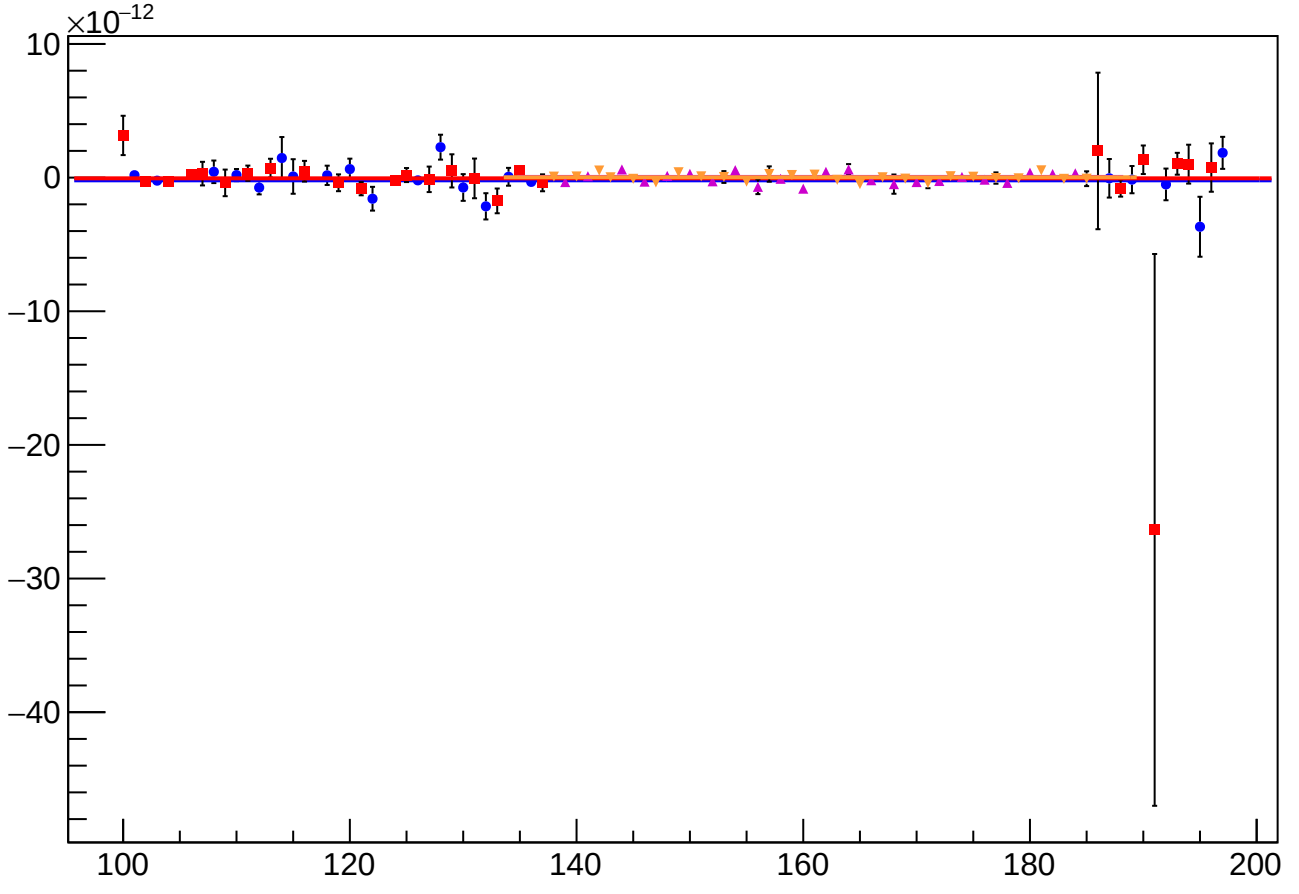
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8068.205+/-1.085 χ^2/NDF: 4220818.7/45

All: 8100.248+/-0.769 χ^2/NDF: 8388495.9/94

- sign 8132.497+/-1.089 χ^2/NDF: 4165928.9/48

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/25

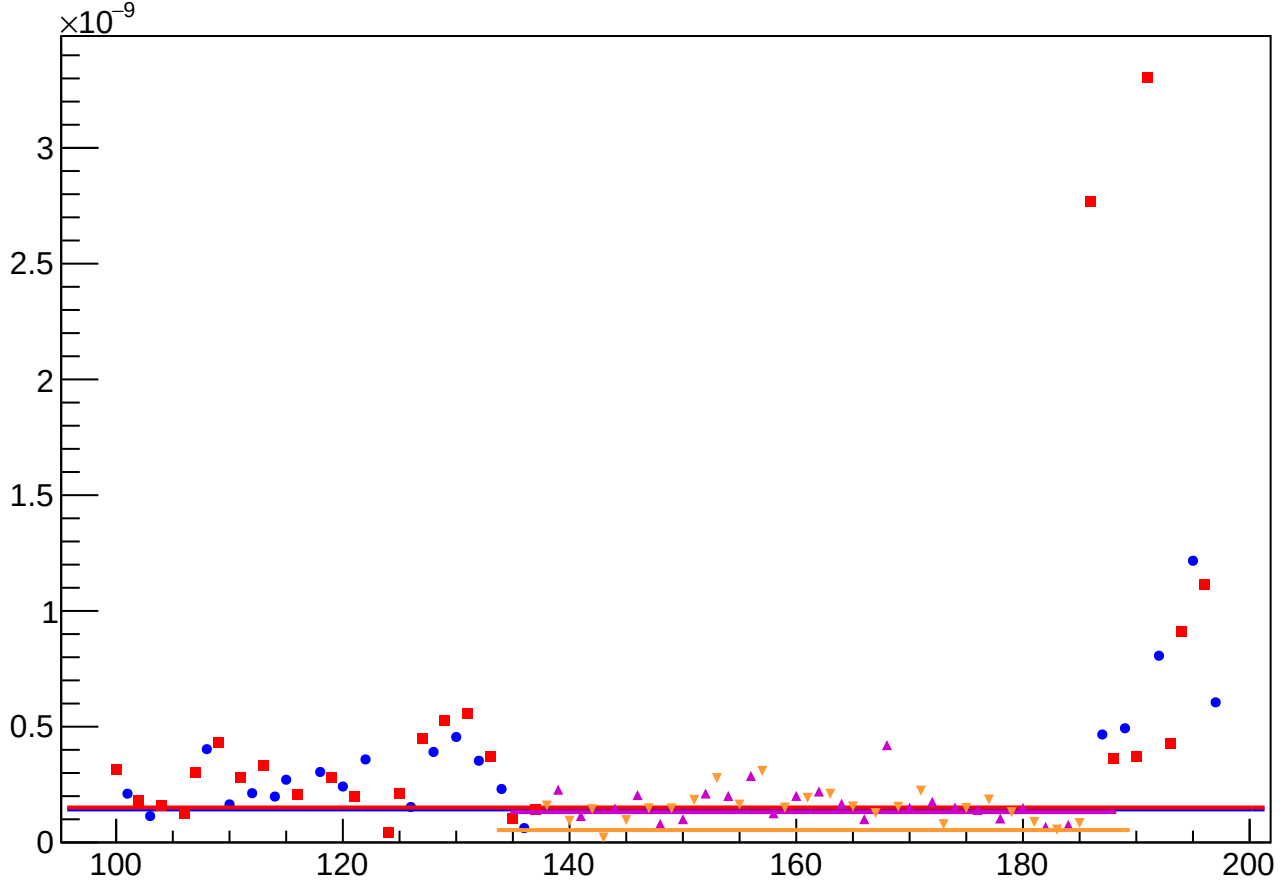
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.5/45

All: 0.000+/-0.000 χ^2/NDF: 115.5/94

- sign 0.000+/-0.000 χ^2/NDF: 65.9/48

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3481949.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4463178.4/25

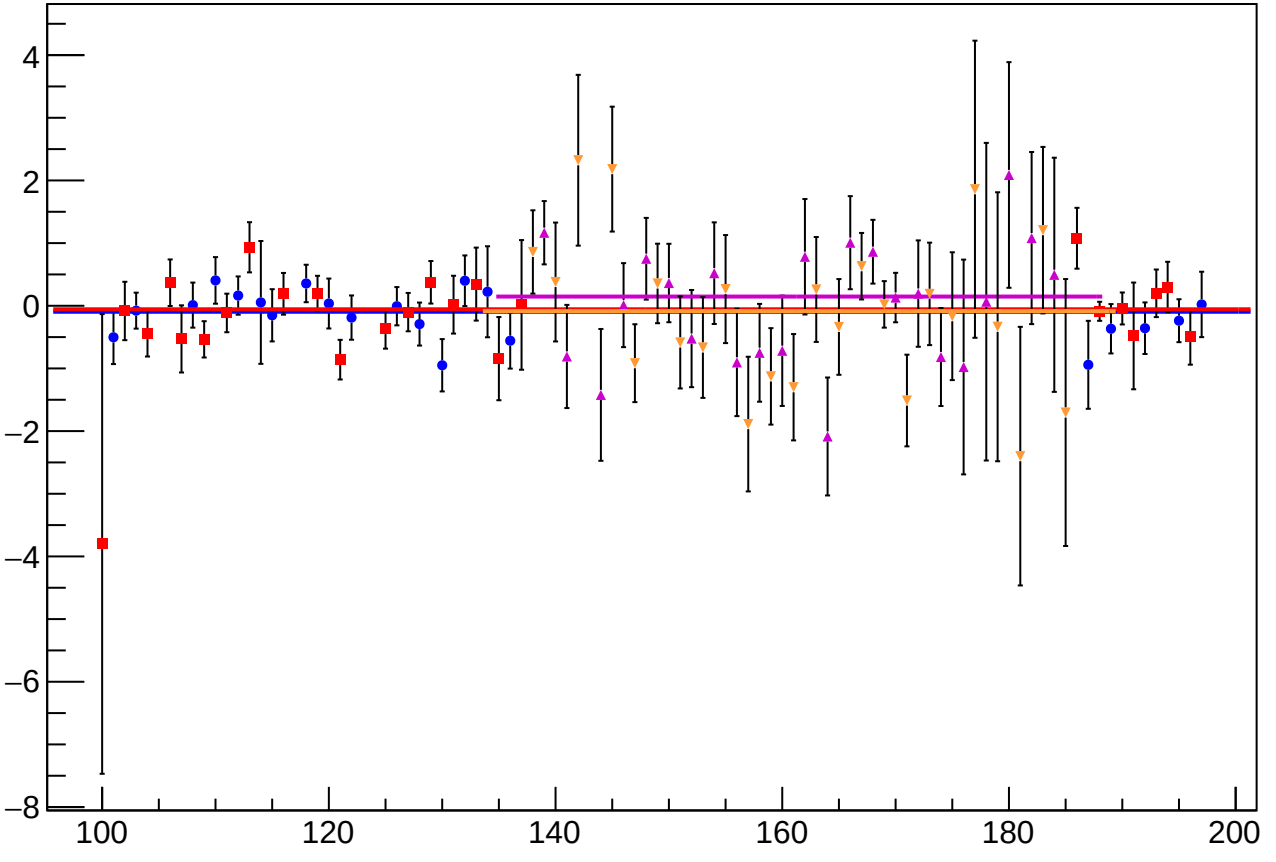
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12364969.2/45

All: 0.000+/-0.000 χ^2/NDF: 22482024.9/94

- sign 0.000+/-0.000 χ^2/NDF: 6435132.2/48

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.095+/-0.084 χ^2/NDF: 15.9/20

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.056+/-0.070 χ^2/NDF: 33.4/24

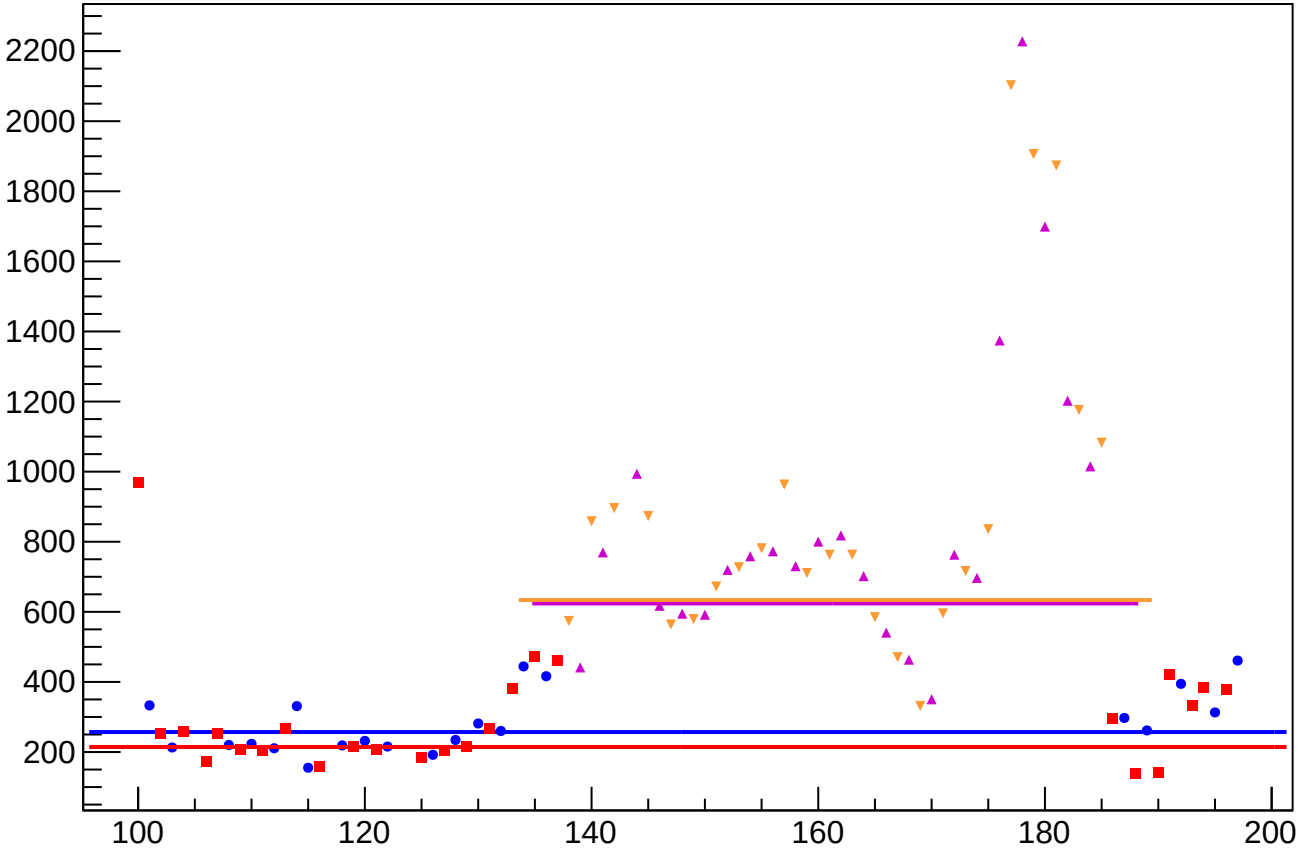
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.093+/-0.075 χ^2/NDF: 46.2/44

All: -0.052+/-0.049 χ^2/NDF: 108.0/92

- sign -0.023+/-0.064 χ^2/NDF: 61.2/47

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 257.063+/-0.060 χ^2/NDF: 1477095.2/20

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 214.391+/-0.049 χ^2/NDF: 2541428.3/24

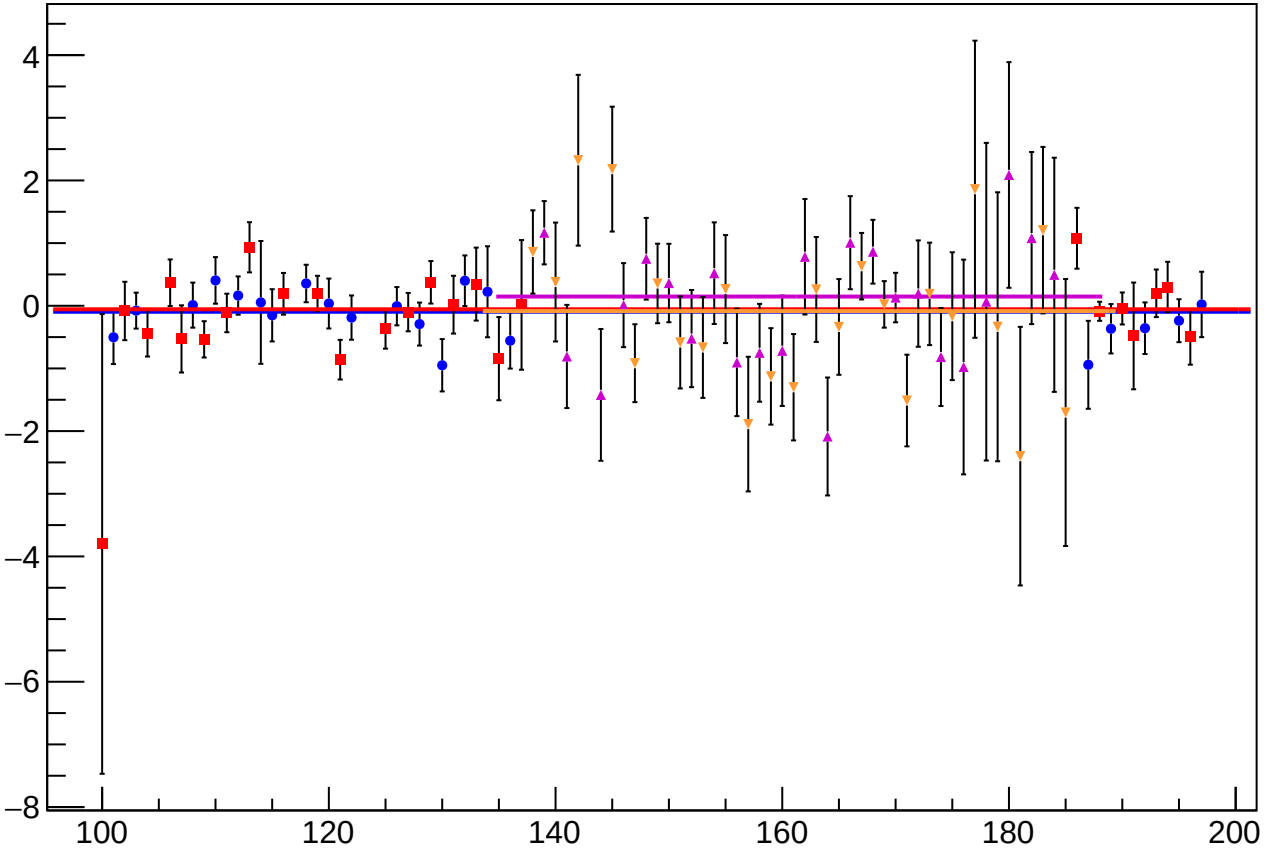
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.978+/-0.053 χ^2/NDF: 15017781.9/44

All: 304.952+/-0.034 χ^2/NDF: 33995597.1/92

- sign 280.954+/-0.045 χ^2/NDF: 18305098.1/47

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.095+/-0.084 χ^2/NDF: 15.9/20

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.056+/-0.070 χ^2/NDF: 33.4/24

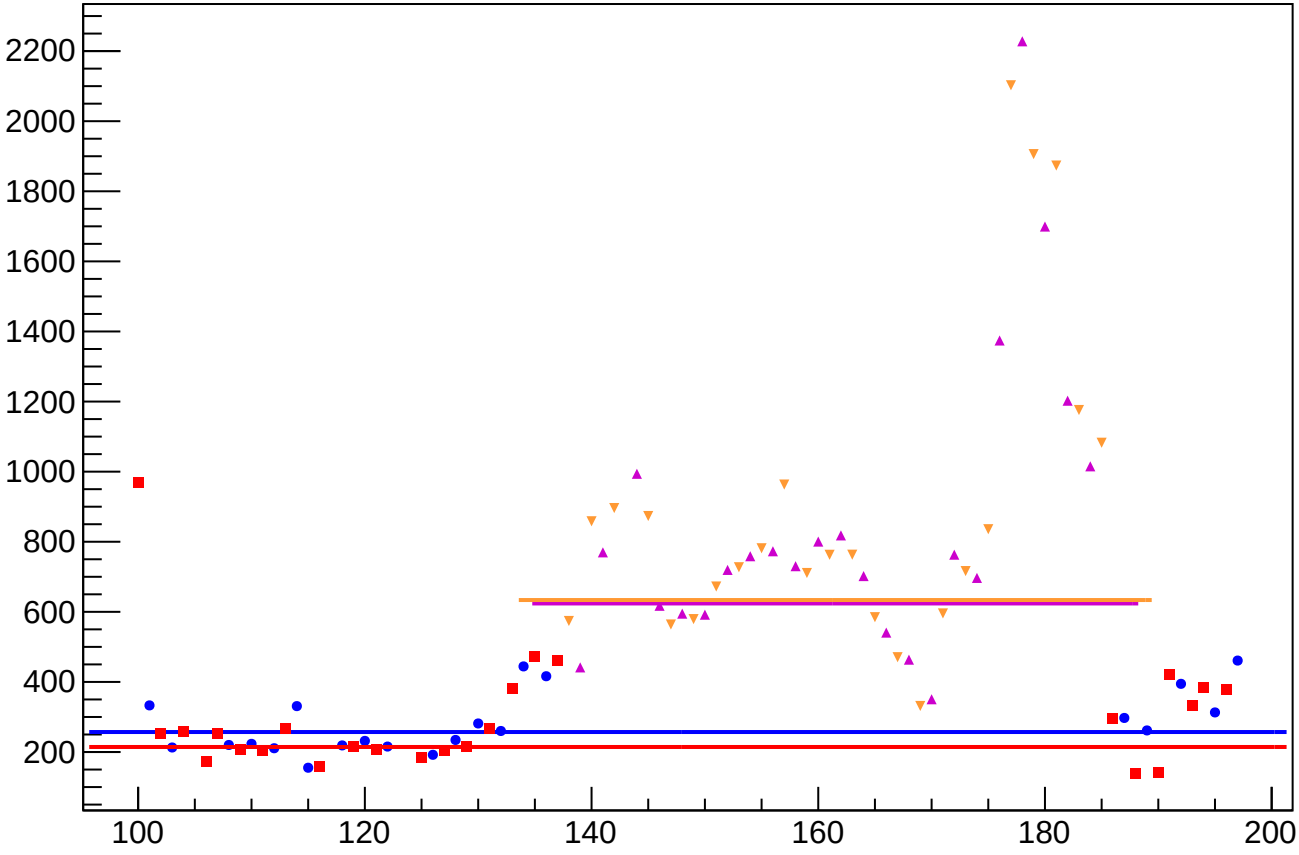
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.093+/-0.075 χ^2/NDF: 46.2/44

All: -0.052+/-0.049 χ^2/NDF: 108.0/92

- sign -0.023+/-0.064 χ^2/NDF: 61.2/47

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 257.063+/-0.060 χ^2/NDF: 1477095.2/20

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

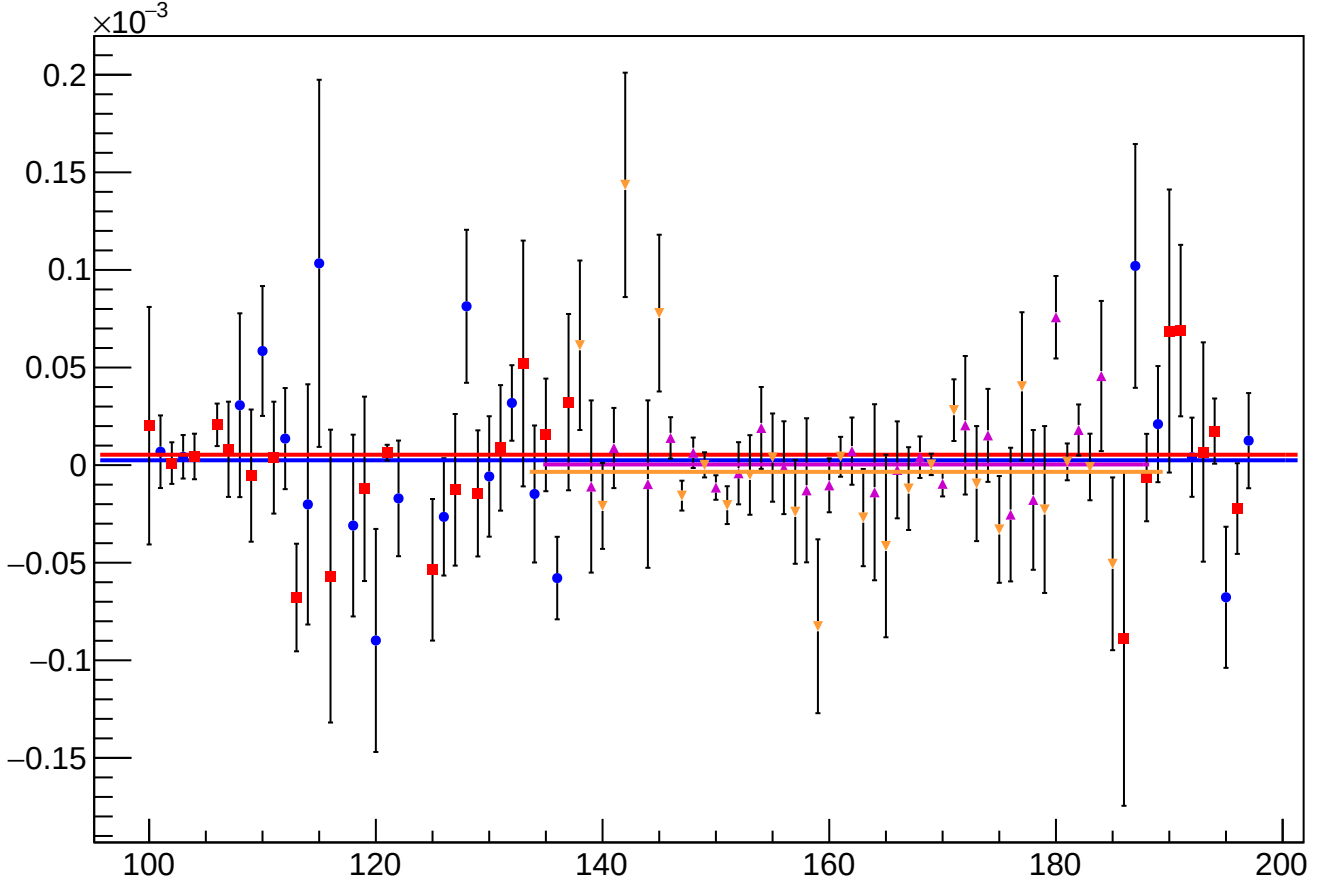
Right Out: 214.391+/-0.049 χ^2/NDF: 2541428.3/24

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.978+/-0.053 χ^2/NDF: 15017781.9/44

All: 304.952+/-0.034 χ^2/NDF: 33995597.1/92

- sign 280.954+/-0.045 χ^2/NDF: 18305098.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/24

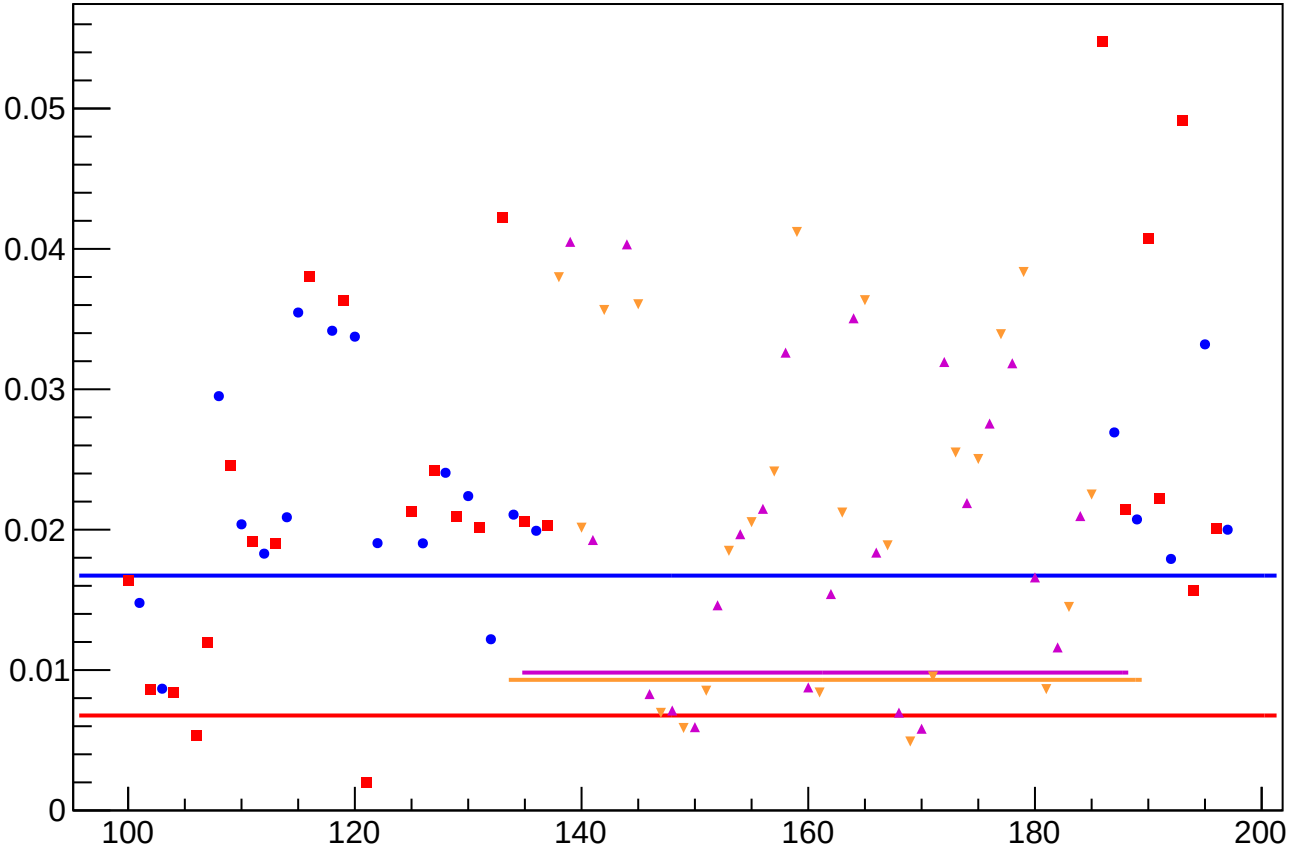
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.1/44

All: 0.000+/-0.000 χ^2/NDF: 118.5/92

- sign 0.000+/-0.000 χ^2/NDF: 50.1/47

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 2686721.1/20

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 12781441.9/24

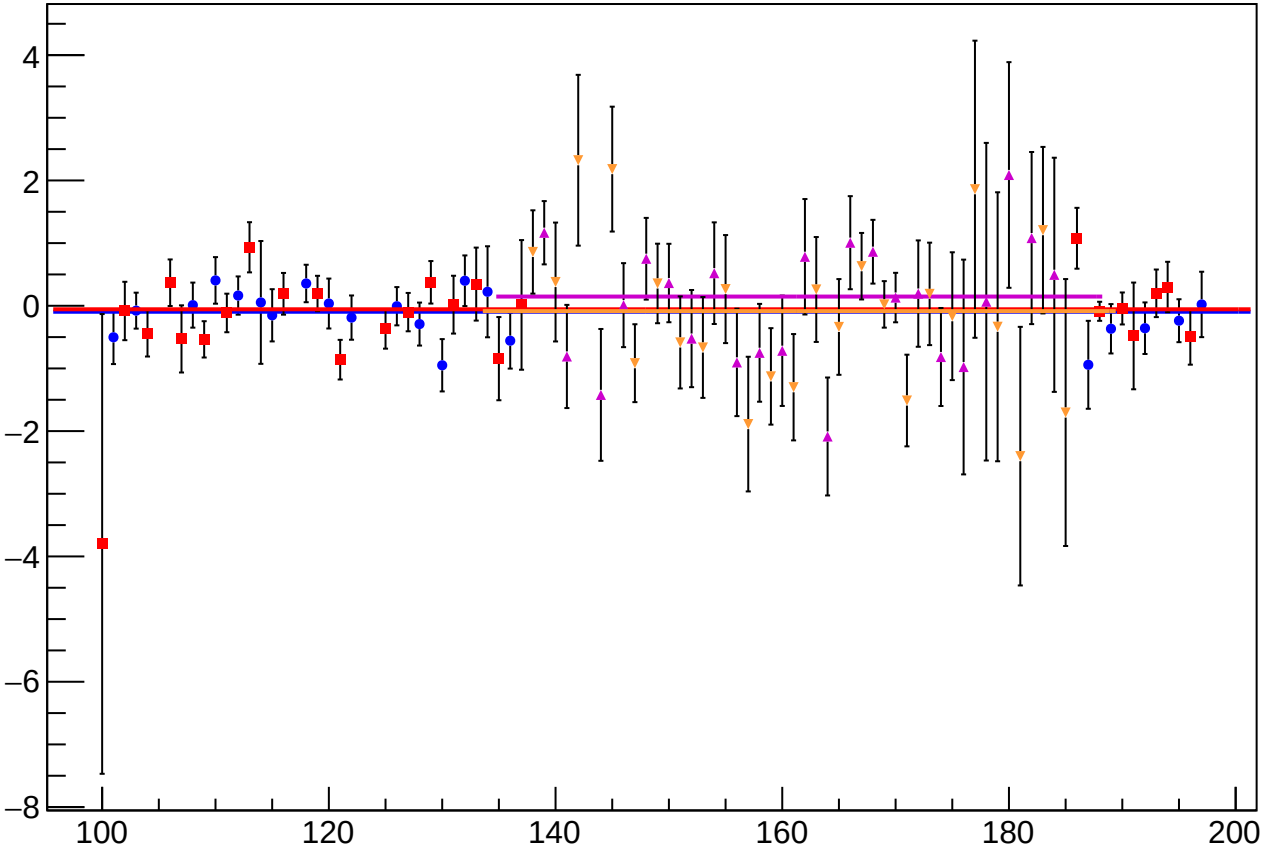
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 17668366.9/44

All: 0.009+/-0.000 χ^2/NDF: 42836009.8/92

- sign 0.008+/-0.000 χ^2/NDF: 24139335.5/47

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.095+/-0.084 χ^2/NDF: 16.0/20

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.056+/-0.070 χ^2/NDF: 33.4/24

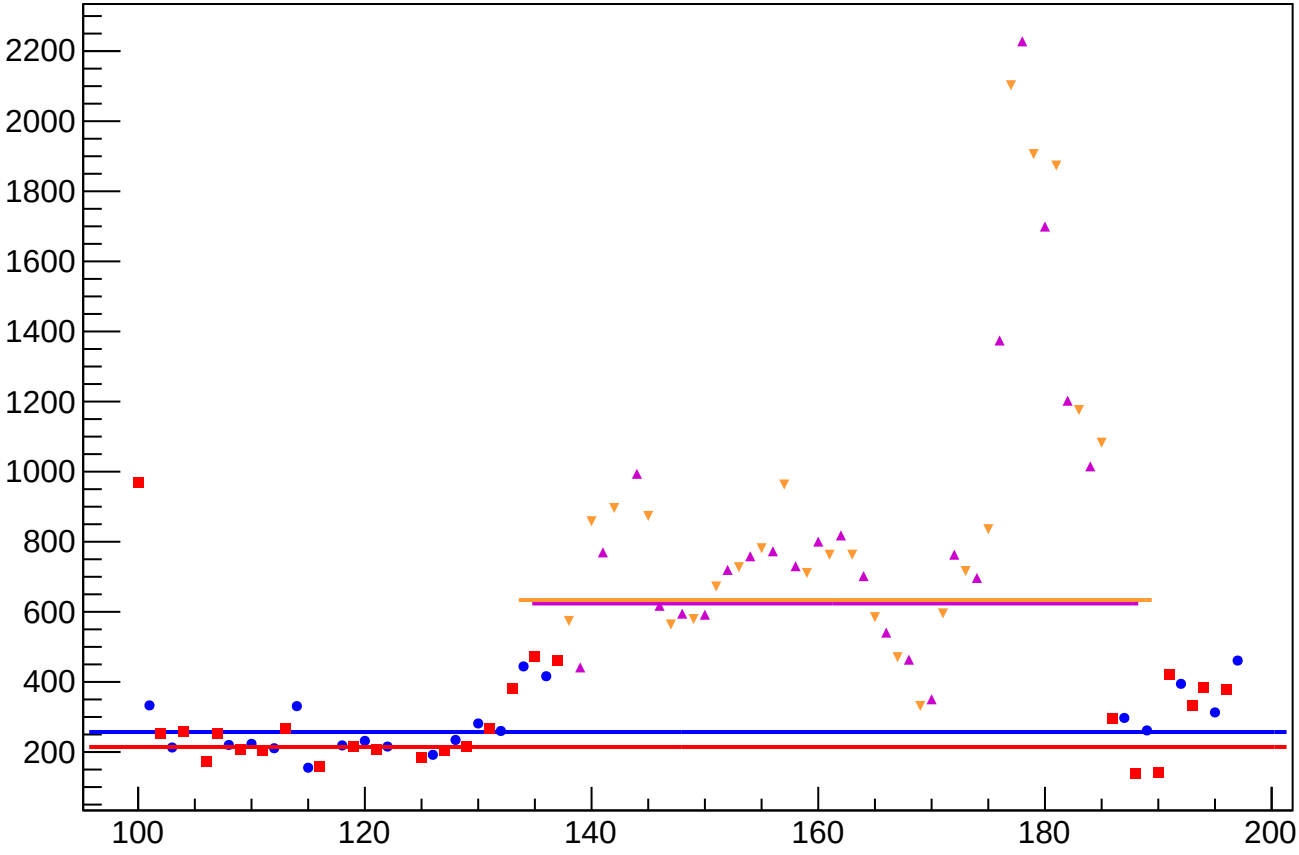
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.093+/-0.075 χ^2/NDF: 46.2/44

All: -0.052+/-0.049 χ^2/NDF: 108.0/92

- sign -0.023+/-0.064 χ^2/NDF: 61.2/47

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 257.064+/-0.060 χ^2/NDF: 1477059.0/20

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

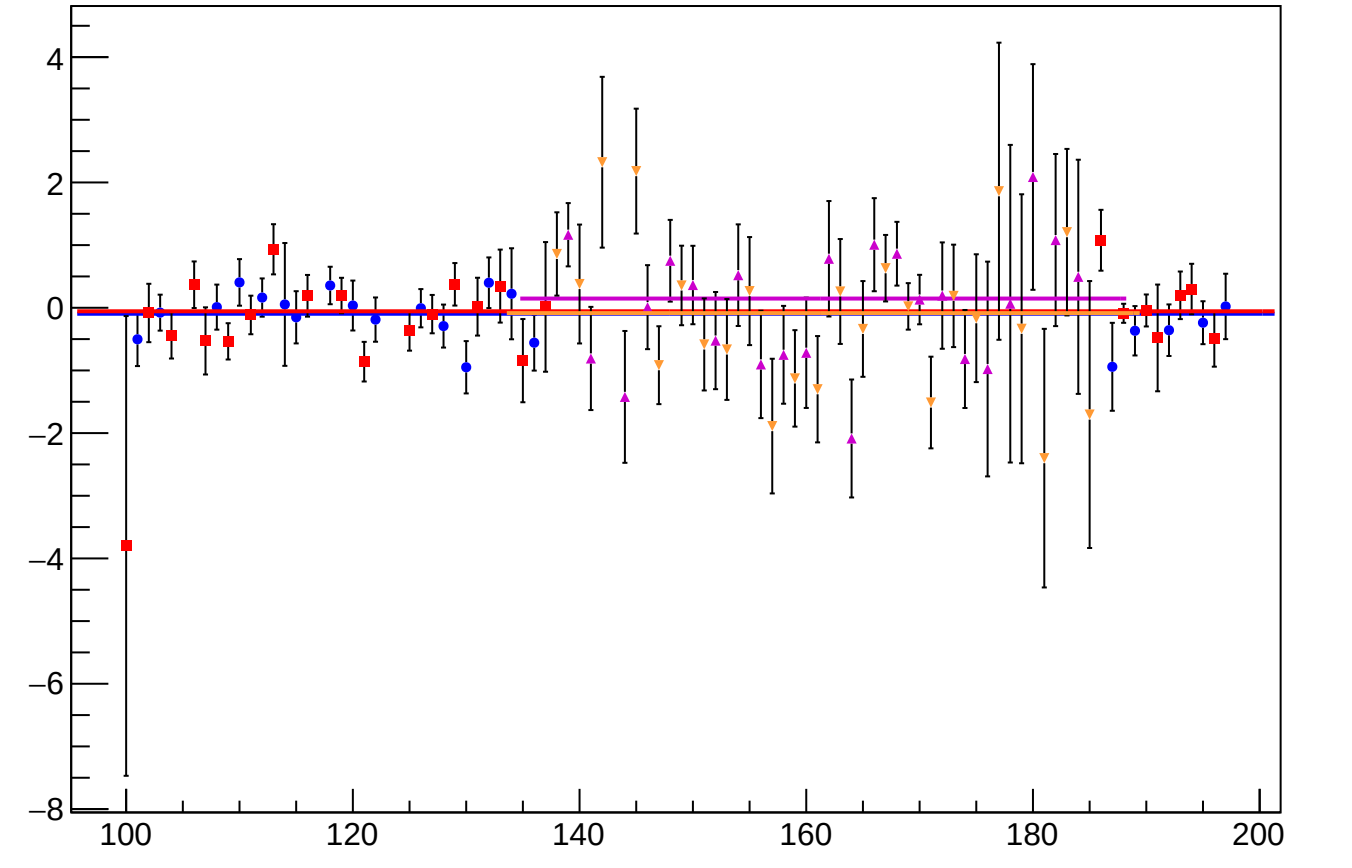
Right Out: 214.389+/-0.049 χ^2/NDF: 2541497.9/24

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.979+/-0.053 χ^2/NDF: 15017837.0/44

All: 304.950+/-0.034 χ^2/NDF: 33996131.8/92

- sign 280.951+/-0.045 χ^2/NDF: 18305477.2/47



Right In: -0.095+/-0.084 χ^2/NDF: 16.0/20

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.056+/-0.070 χ^2/NDF: 33.4/24

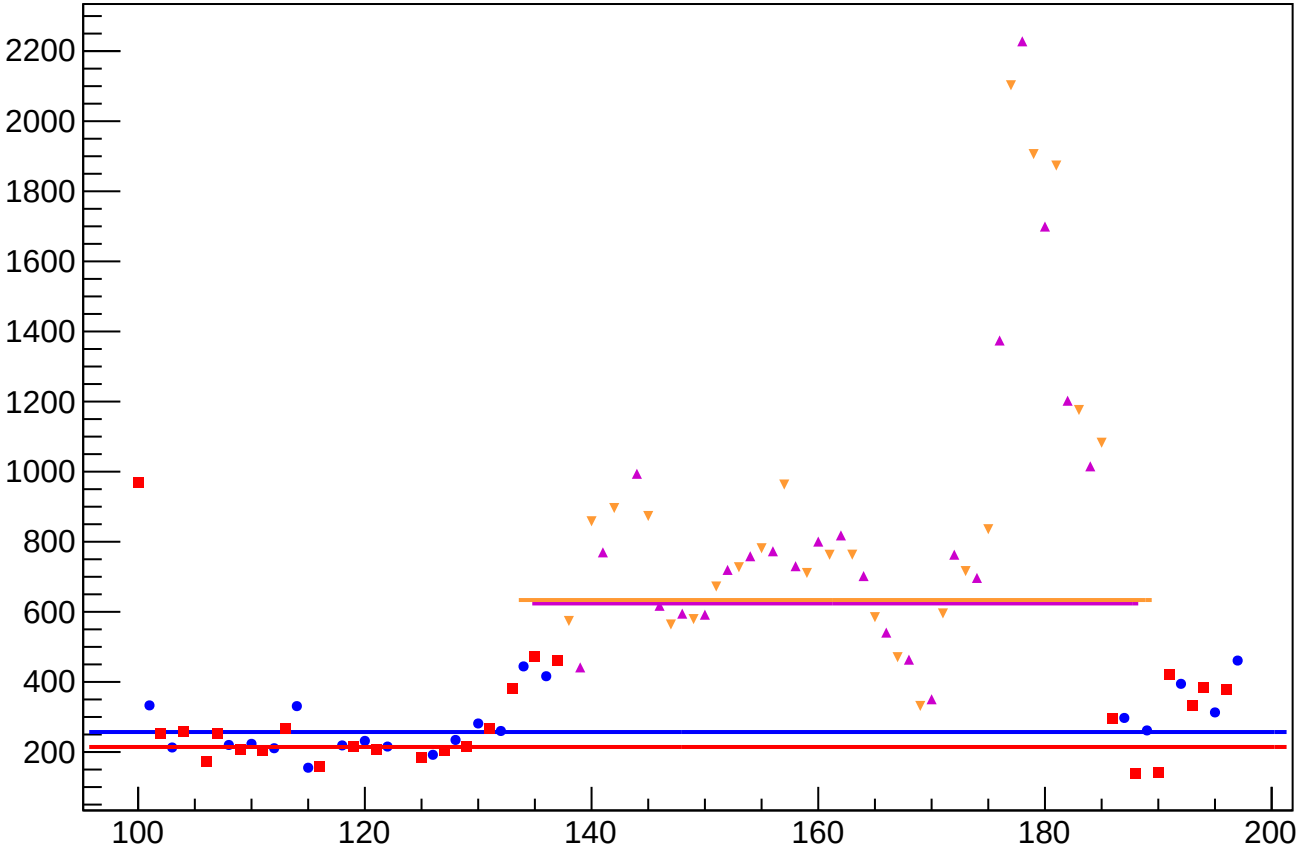
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.093+/-0.075 χ^2/NDF: 46.2/44

All: -0.052+/-0.049 χ^2/NDF: 108.0/92

- sign -0.023+/-0.064 χ^2/NDF: 61.2/47

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 257.064+/-0.060 χ^2/NDF: 1477059.0/20

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

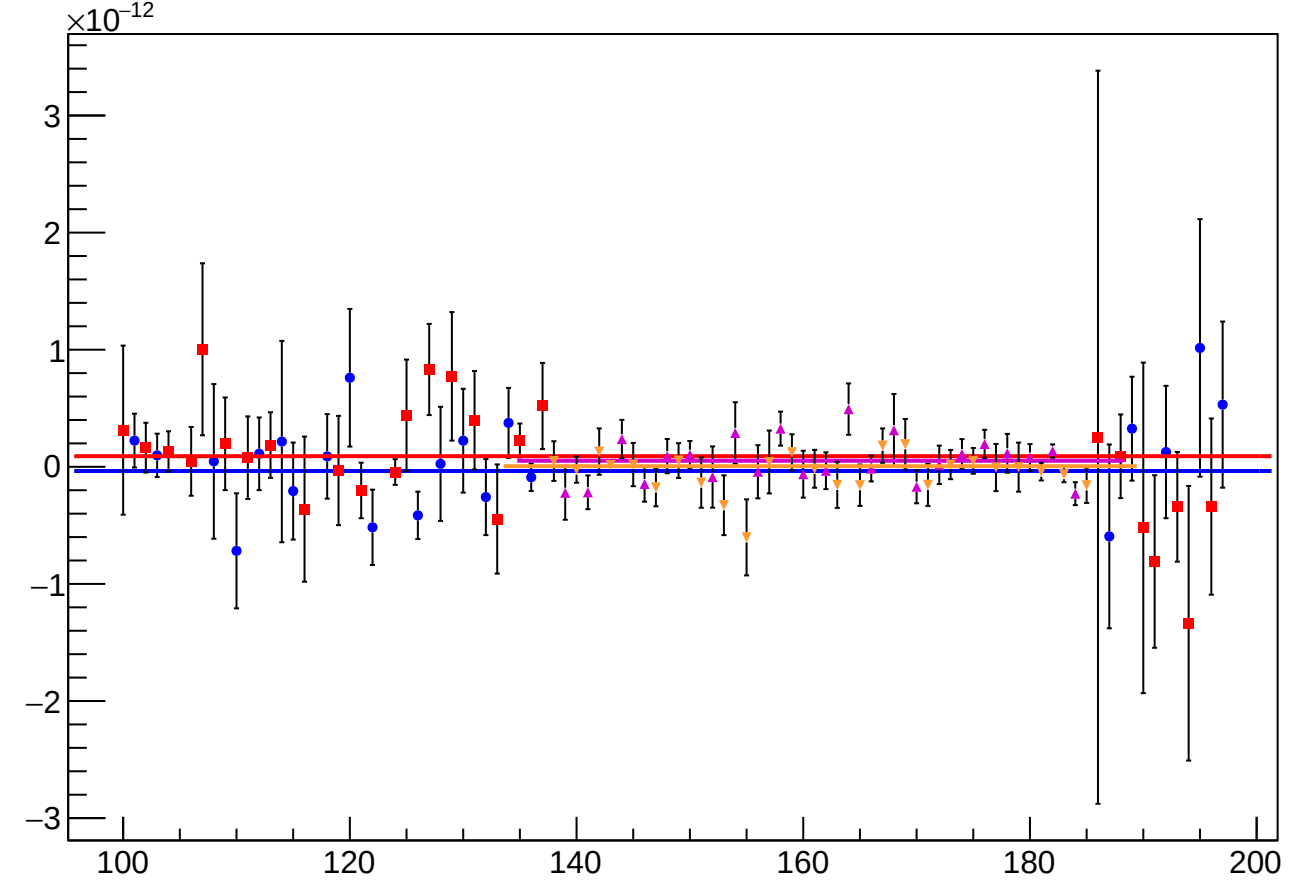
Right Out: 214.389+/-0.049 χ^2/NDF: 2541497.9/24

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.979+/-0.053 χ^2/NDF: 15017837.0/44

All: 304.950+/-0.034 χ^2/NDF: 33996131.8/92

- sign 280.951+/-0.045 χ^2/NDF: 18305477.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/25

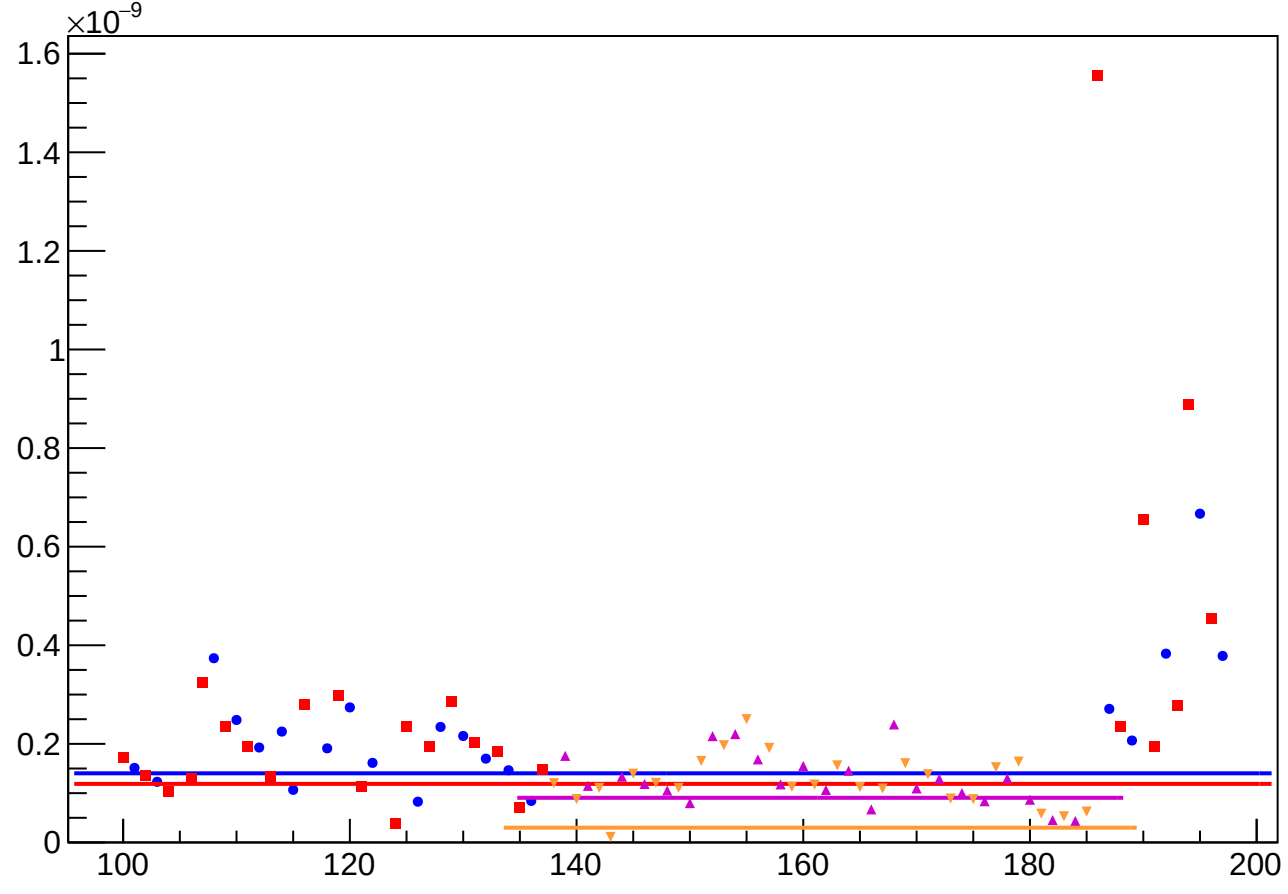
Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.8/45

All: 0.000+/-0.000 χ^2/NDF: 91.2/94

- sign 0.000+/-0.000 χ^2/NDF: 53.5/48

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2532378.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5172046.5/25

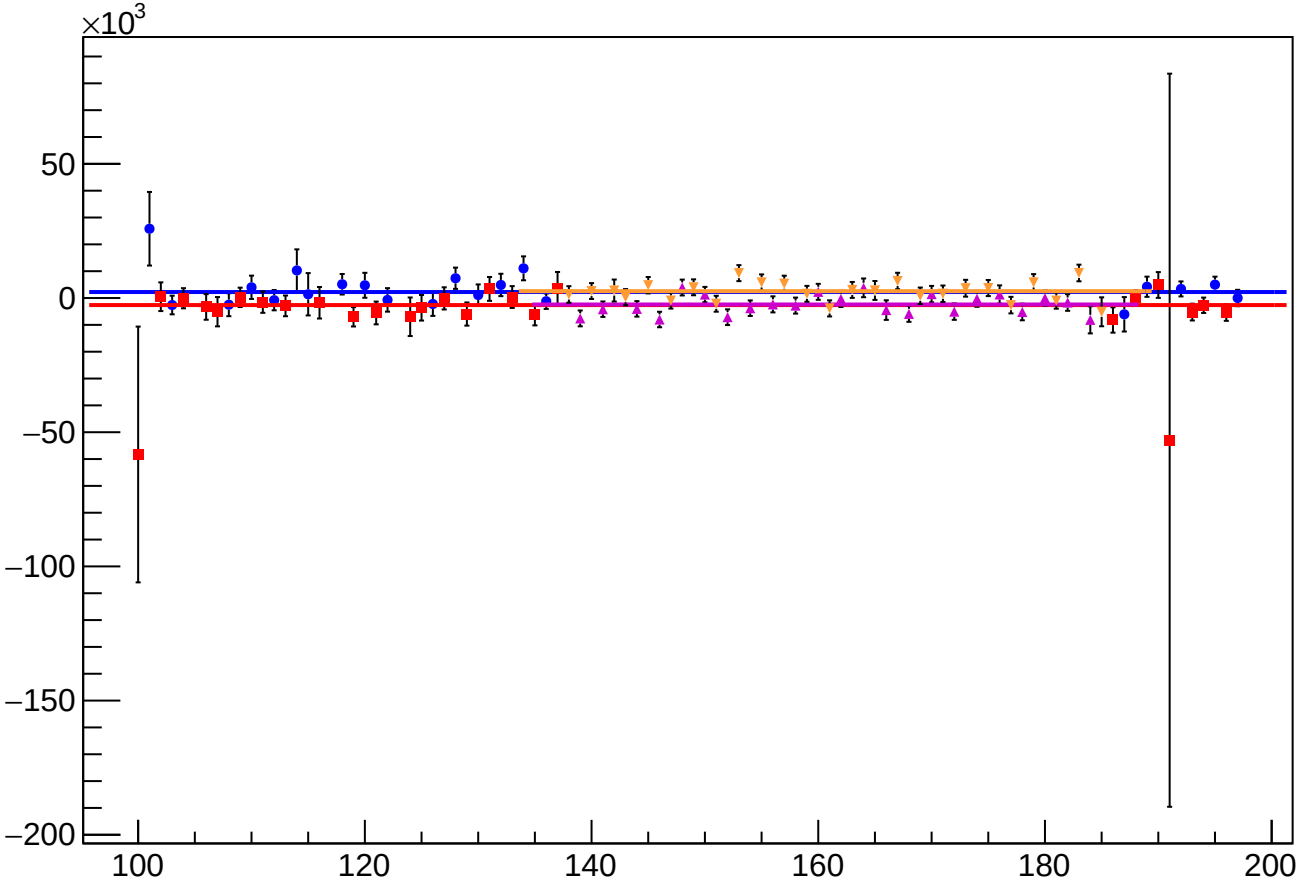
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 25211954.8/45

All: 0.000+/-0.000 χ^2/NDF: 44843329.9/94

- sign 0.000+/-0.000 χ^2/NDF: 10280381.2/48

reg_asym_atr1_mean vs Slug



Right In: 2234.041+/-871.389 χ^2/NDF: 21.3/20

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2624.064+/-825.927 χ^2/NDF: 17.1/25

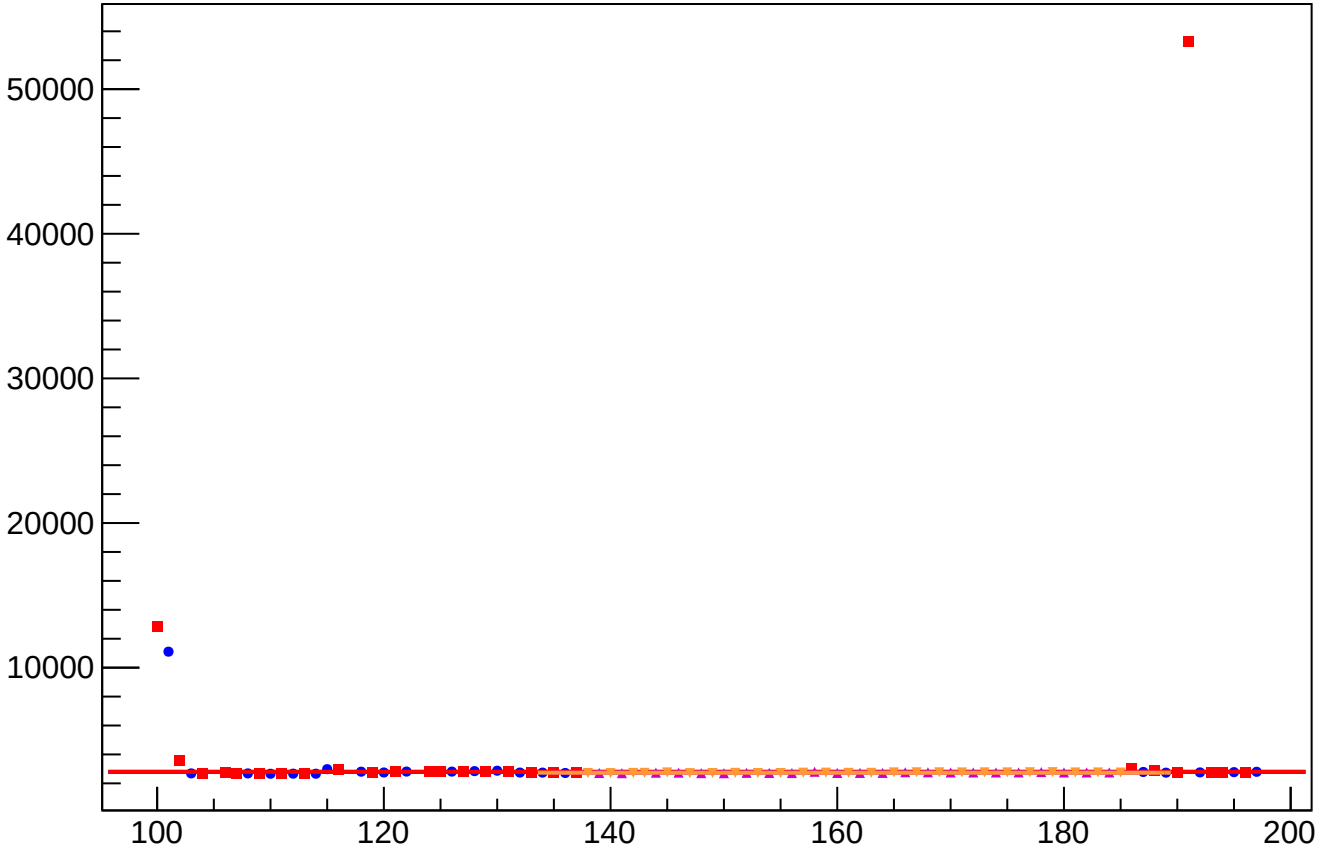
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2447.915+/-506.166 χ^2/NDF: 53.0/45

All: -22.640+/-357.769 χ^2/NDF: 149.1/94

- sign -2489.219+/-505.758 χ^2/NDF: 48.5/48

reg_asym_atr1_rms vs Slug



Right In: 2793.996+/-0.616 χ^2/NDF: 747310.4/20

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2798.457+/-0.584 χ^2/NDF: 478595.2/25

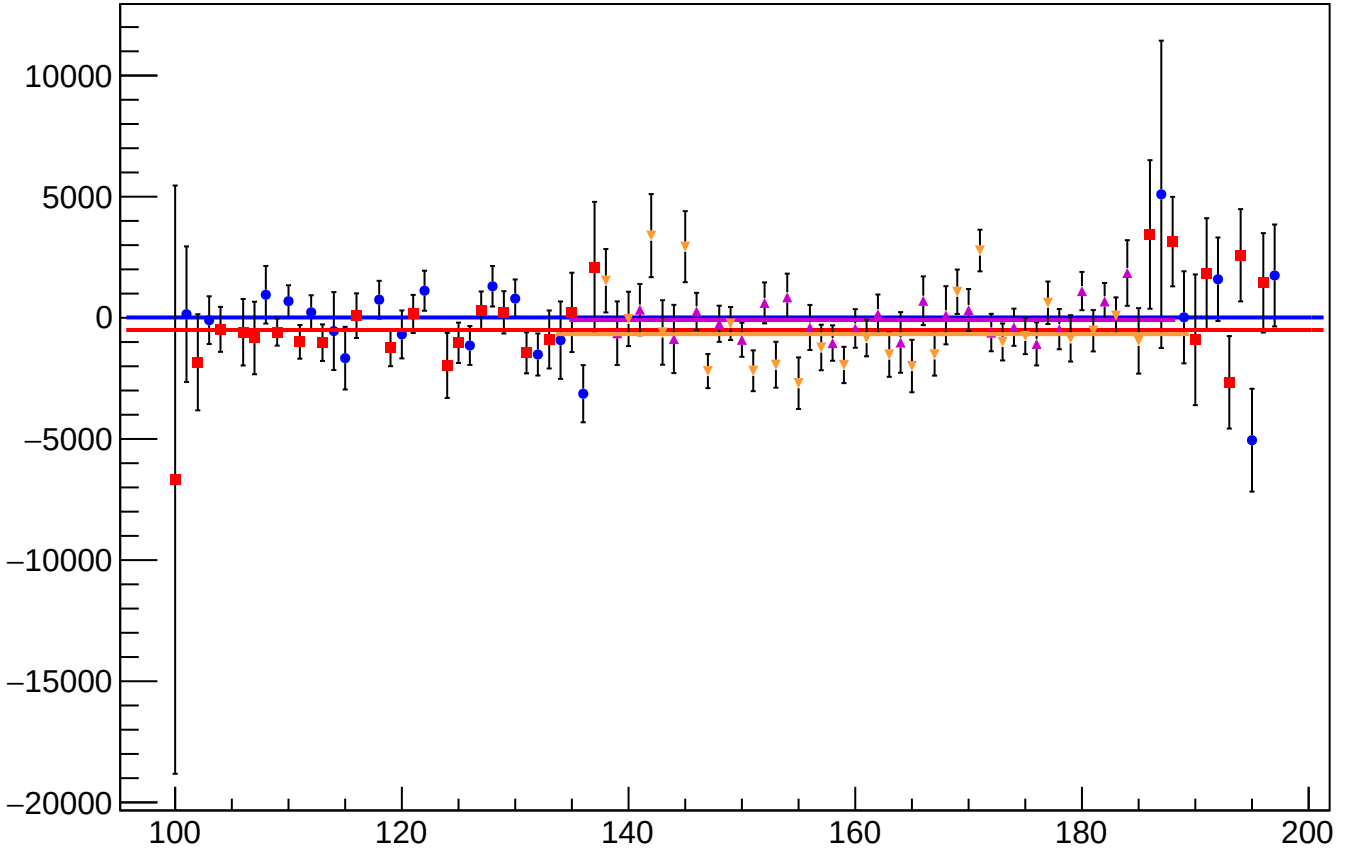
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.575+/-0.358 χ^2/NDF: 755194.5/45

All: 2759.207+/-0.253 χ^2/NDF: 1243551.3/94

- sign 2761.835+/-0.358 χ^2/NDF: 488248.7/48

asym_atr1_reg_correction_mean vs Slug



Right In: 14.937+/-226.864 χ^2/NDF: 30.6/20

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -501.896+/-208.696 χ^2/NDF: 21.0/25

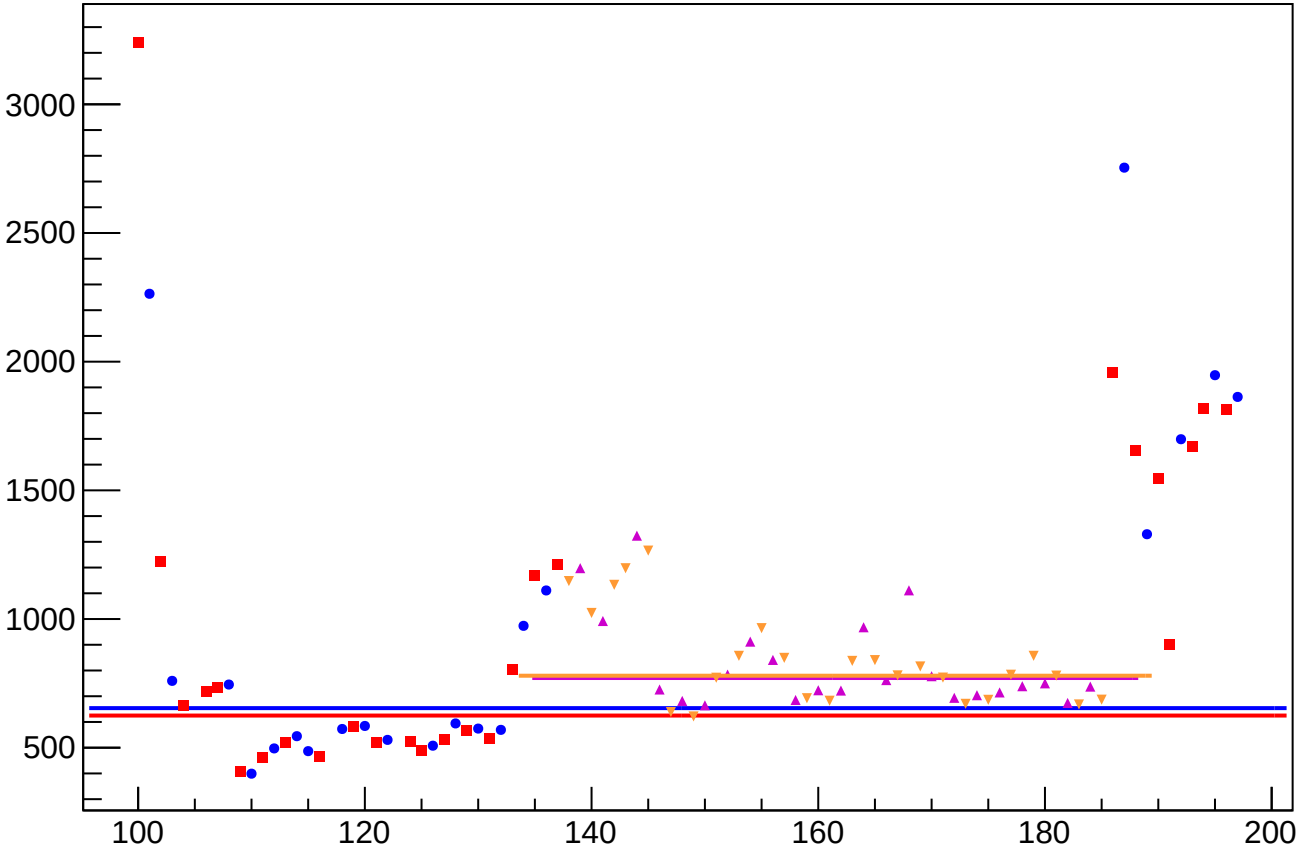
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -405.430+/-141.596 χ^2/NDF: 94.6/45

All: -335.524+/-98.755 χ^2/NDF: 133.1/94

- sign -269.314+/-137.802 χ^2/NDF: 38.0/48

asym_atr1_reg_correction_rms vs Slug



Right In: 653.793+/-0.160 χ^2/NDF: 4322326.5/20

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

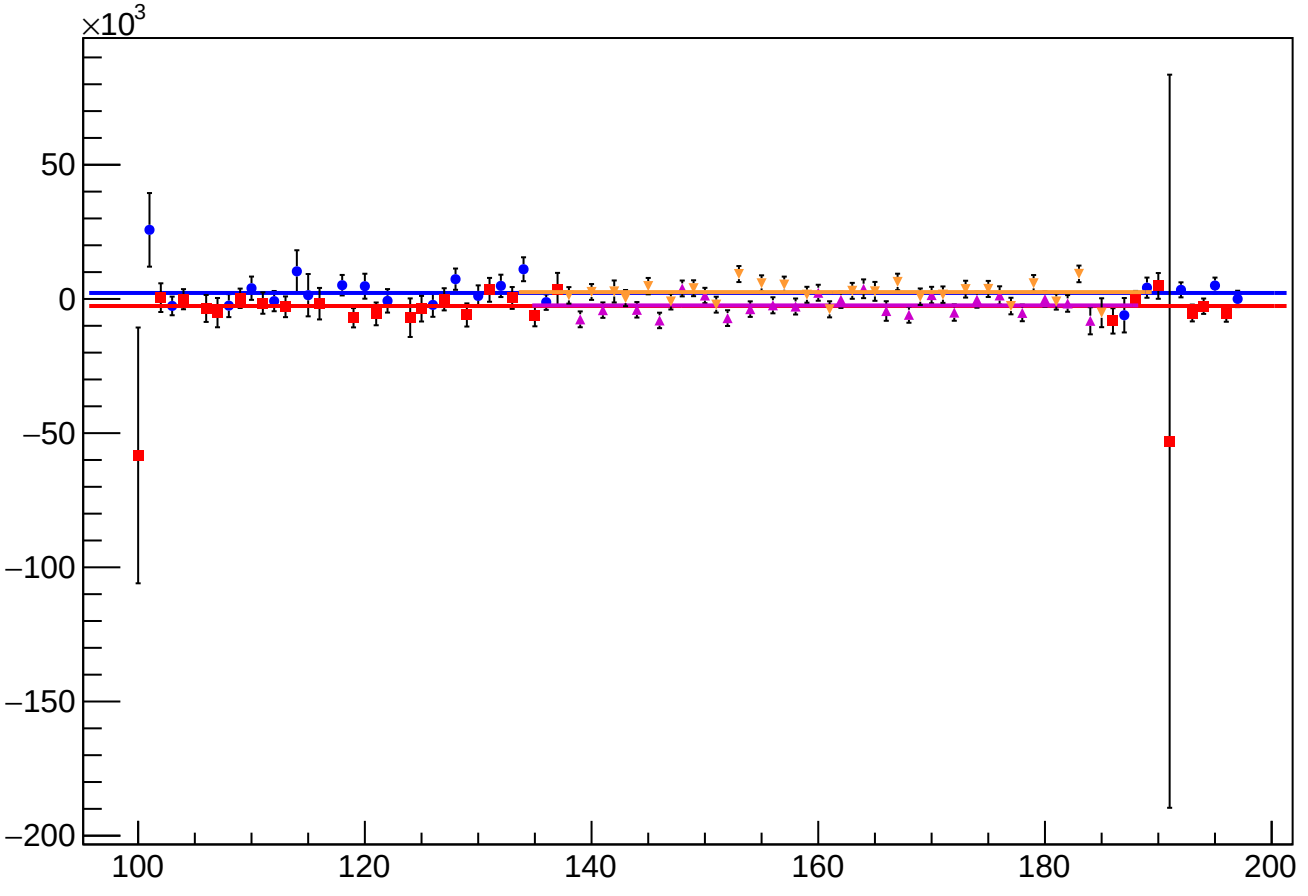
Right Out: 624.933+/-0.148 χ^2/NDF: 4651242.8/25

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 730.661+/-0.100 χ^2/NDF: 5942207.7/45

All: 718.611+/-0.070 χ^2/NDF: 12249025.4/94

- sign 707.199+/-0.097 χ^2/NDF: 6278618.4/48



Right In: 2233.600+/-871.389 χ^2/NDF: 21.3/20

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2628.456+/-827.136 χ^2/NDF: 17.1/25

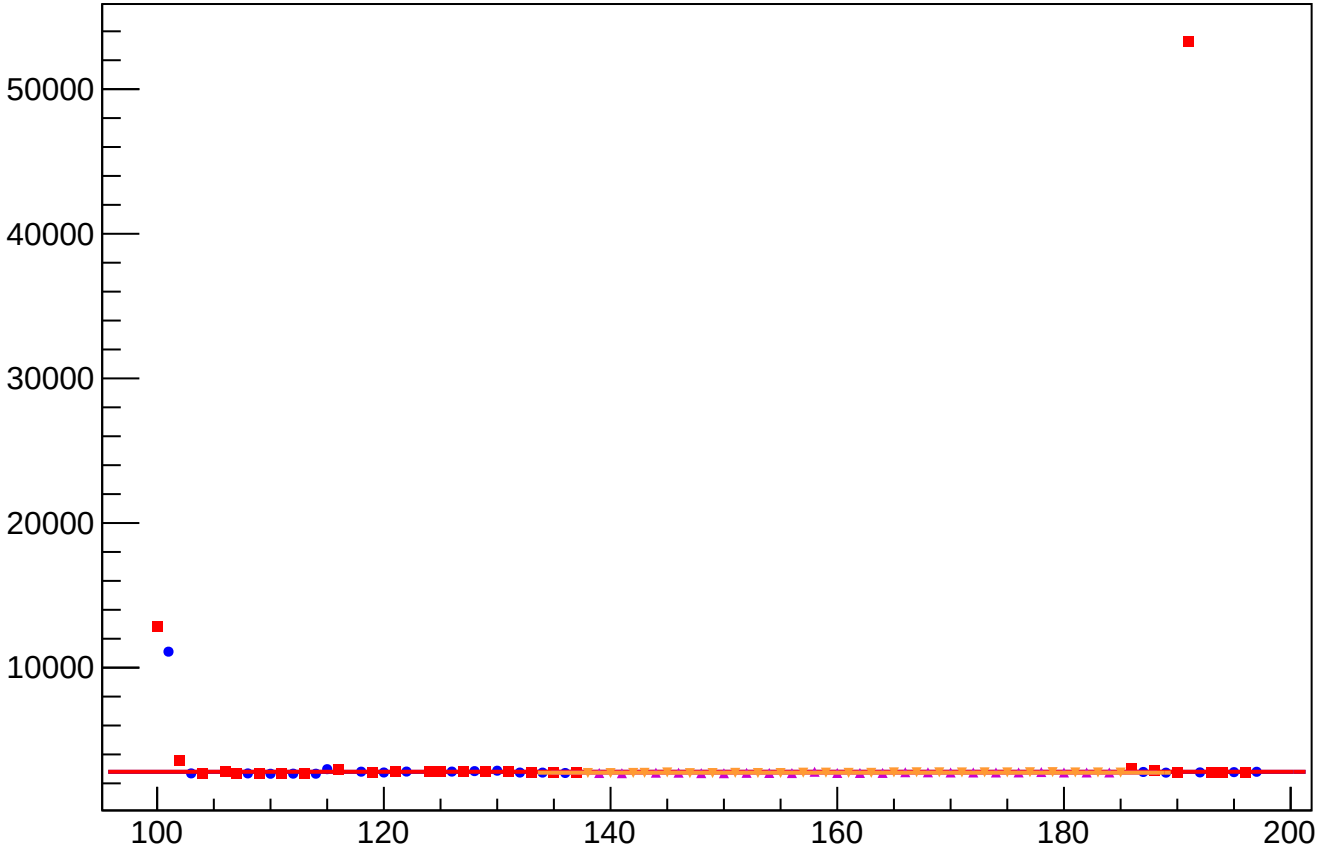
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2447.740+/-506.166 χ^2/NDF: 53.0/45

All: -22.168+/-357.867 χ^2/NDF: 149.1/94

- sign -2490.803+/-506.035 χ^2/NDF: 48.5/48

cor_asym_atr1_rms vs Slug



Right In: 2793.996+/-0.616 χ^2/NDF: 747309.5/20

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2801.875+/-0.585 χ^2/NDF: 478168.1/25

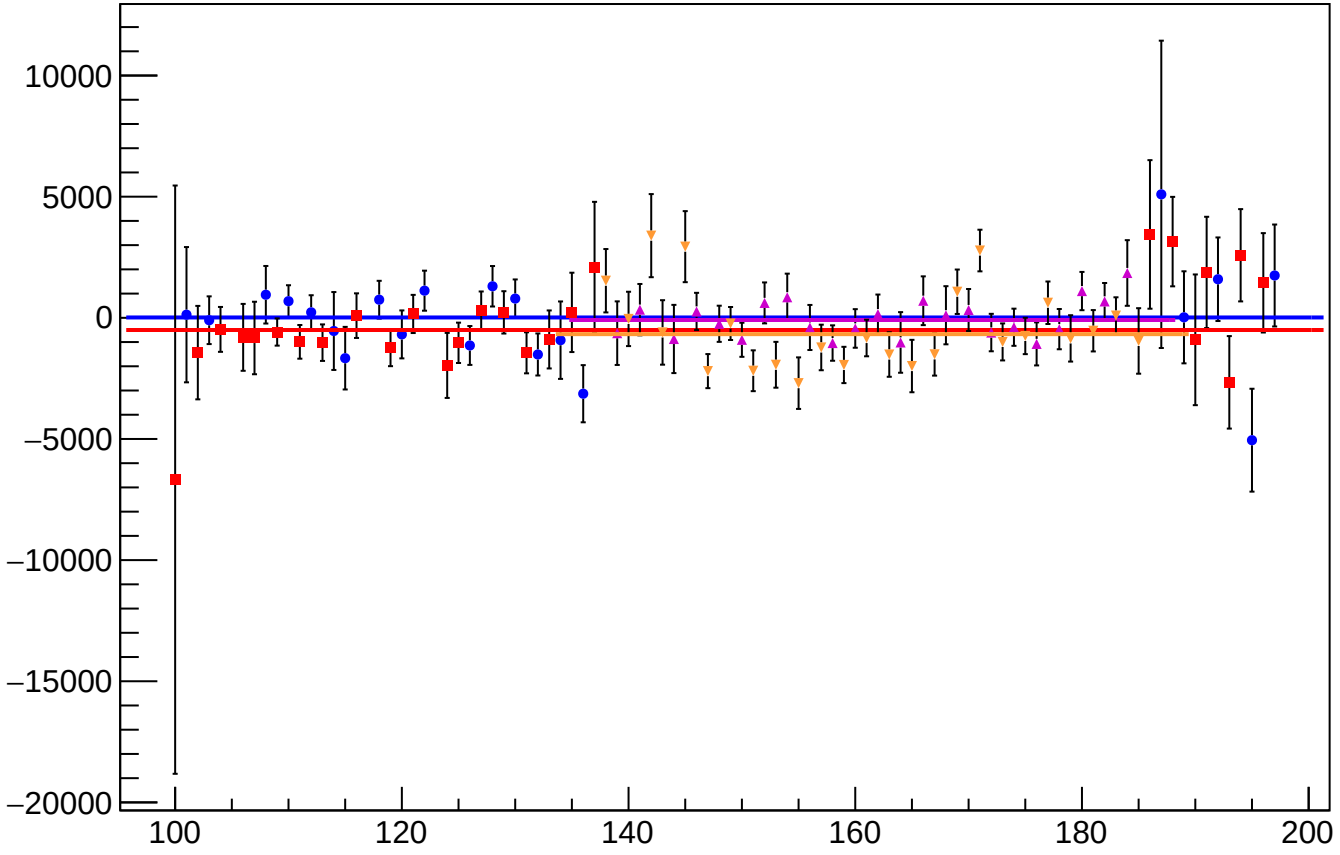
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.575+/-0.358 χ^2/NDF: 755193.6/45

All: 2759.825+/-0.253 χ^2/NDF: 1243922.7/94

- sign 2763.074+/-0.358 χ^2/NDF: 488564.1/48

asym_atr1_cor_correction_mean vs Slug



Right In: 14.905+/-226.853 χ^2/NDF: 30.6/20

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -502.736+/-208.660 χ^2/NDF: 20.9/25

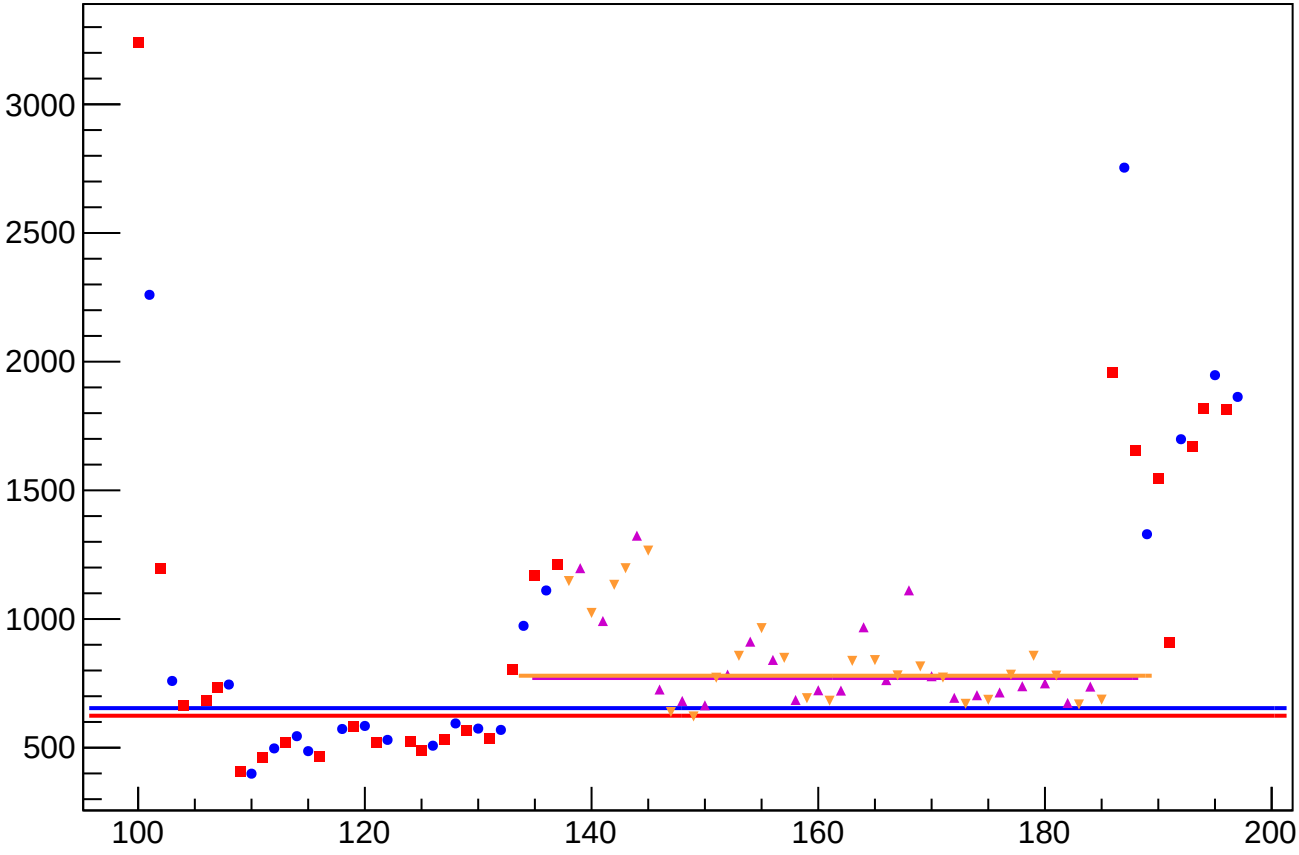
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -405.376+/-141.594 χ^2/NDF: 94.6/45

All: -335.736+/-98.750 χ^2/NDF: 132.9/94

- sign -269.786+/-137.792 χ^2/NDF: 37.9/48

asym_atr1_cor_correction_rms vs Slug



Right In: 653.785+/-0.160 χ^2/NDF: 4321364.5/20

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 624.247+/-0.148 χ^2/NDF: 4641912.1/25

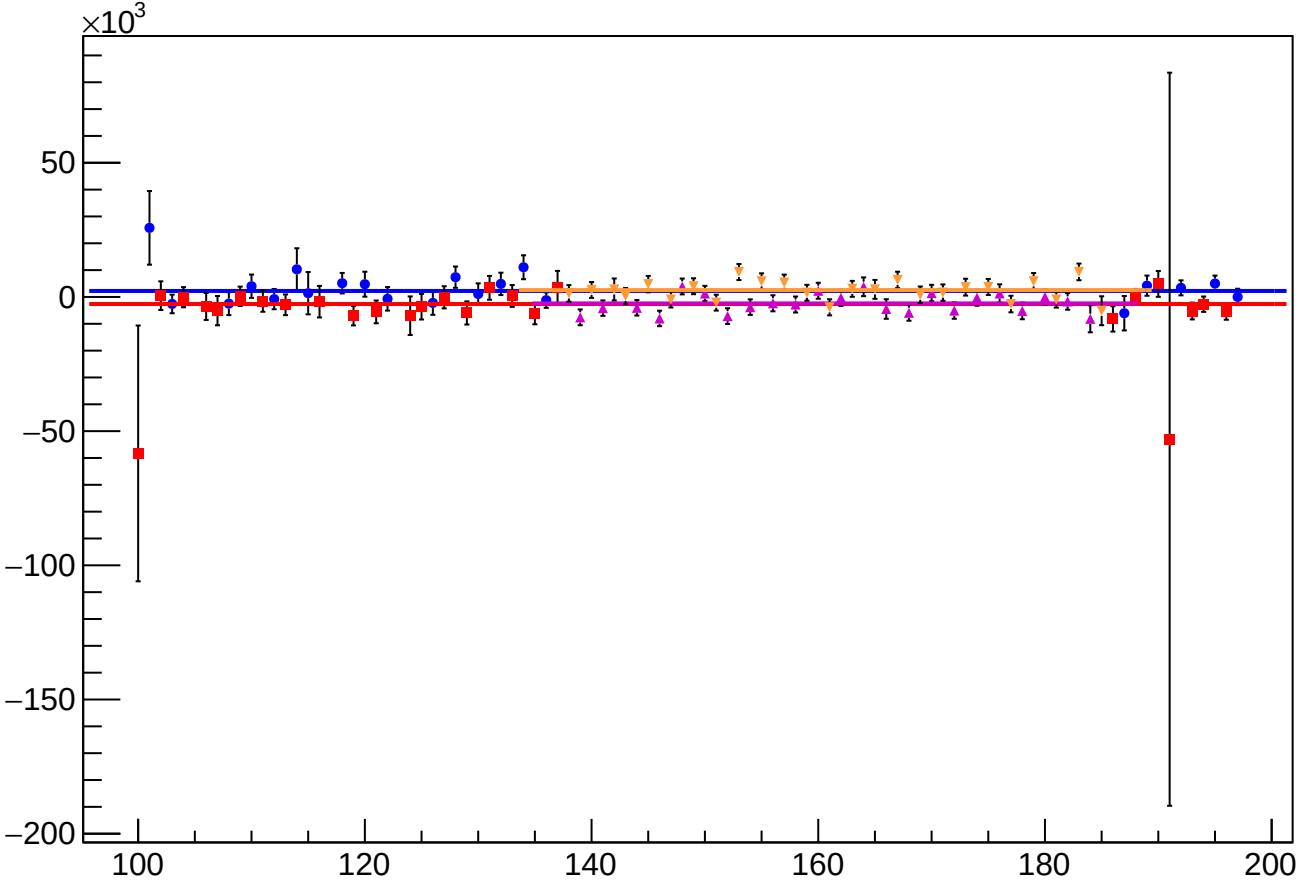
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 730.654+/-0.100 χ^2/NDF: 5941328.1/45

All: 718.448+/-0.070 χ^2/NDF: 12244817.0/94

- sign 706.890+/-0.097 χ^2/NDF: 6274554.9/48

eigen_cor_asym_atr1_mean vs Slug



Right In: 2233.600+/-871.389 χ^2/NDF: 21.3/20

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2628.456+/-827.136 χ^2/NDF: 17.1/25

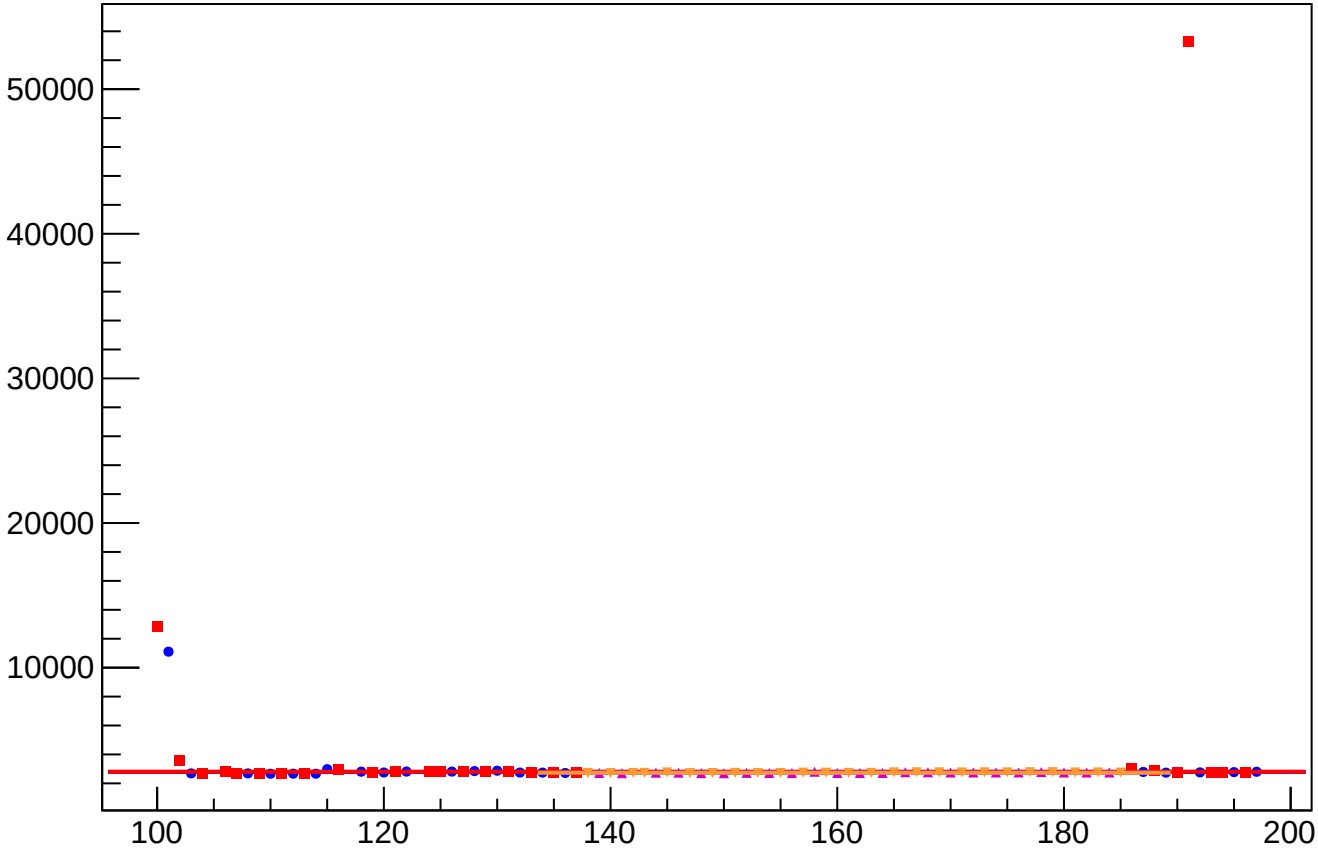
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2447.740+/-506.166 χ^2/NDF: 53.0/45

All: -22.168+/-357.867 χ^2/NDF: 149.1/94

- sign -2490.803+/-506.035 χ^2/NDF: 48.5/48

eigen_cor_asym_atr1_rms vs Slug



Right In: 2793.996+/-0.616 χ^2/NDF: 747309.5/20

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2801.875+/-0.585 χ^2/NDF: 478168.1/25

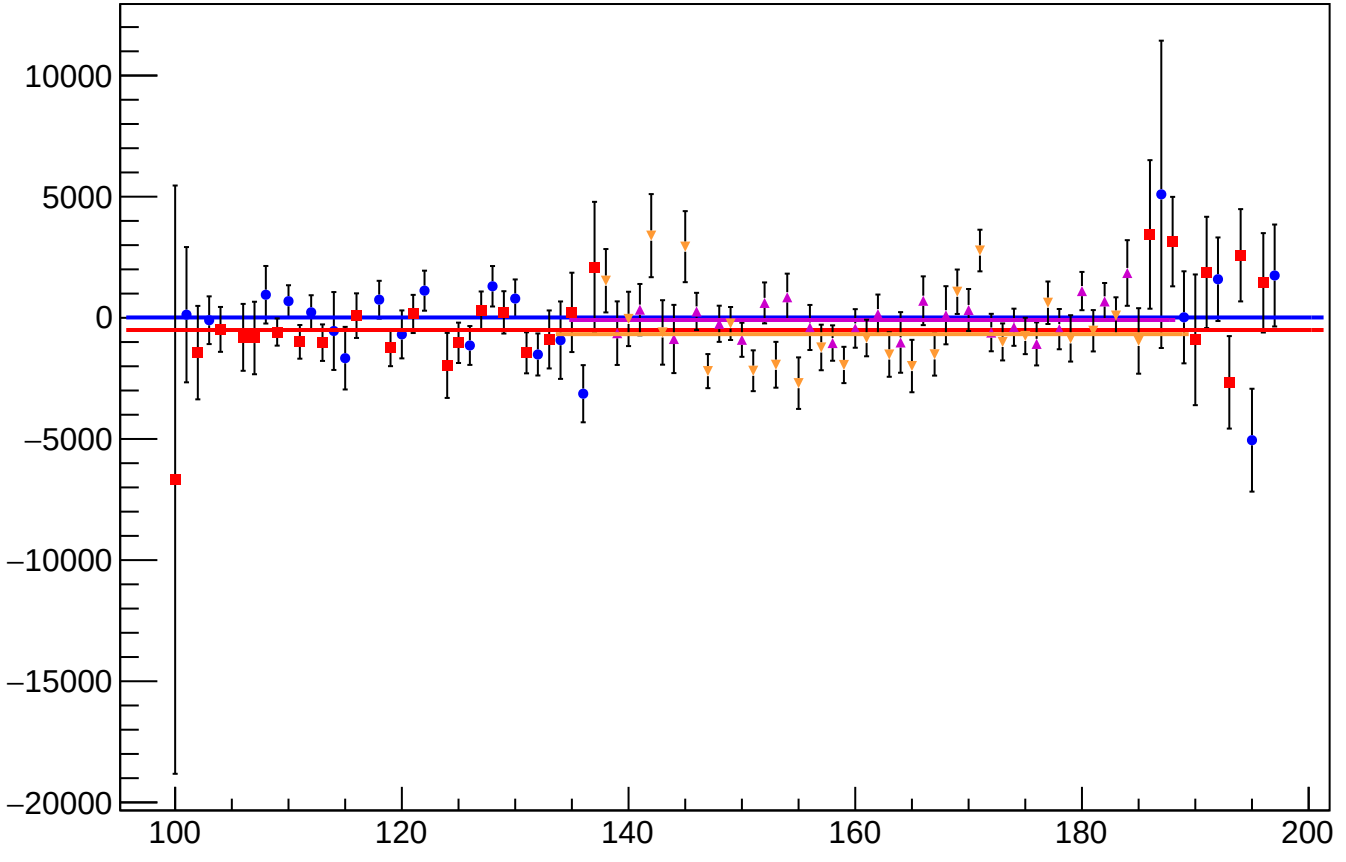
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.575+/-0.358 χ^2/NDF: 755193.6/45

All: 2759.825+/-0.253 χ^2/NDF: 1243922.7/94

- sign 2763.074+/-0.358 χ^2/NDF: 488564.1/48

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 14.905+/-226.853 χ^2/NDF: 30.6/20

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -502.736+/-208.660 χ^2/NDF: 20.9/25

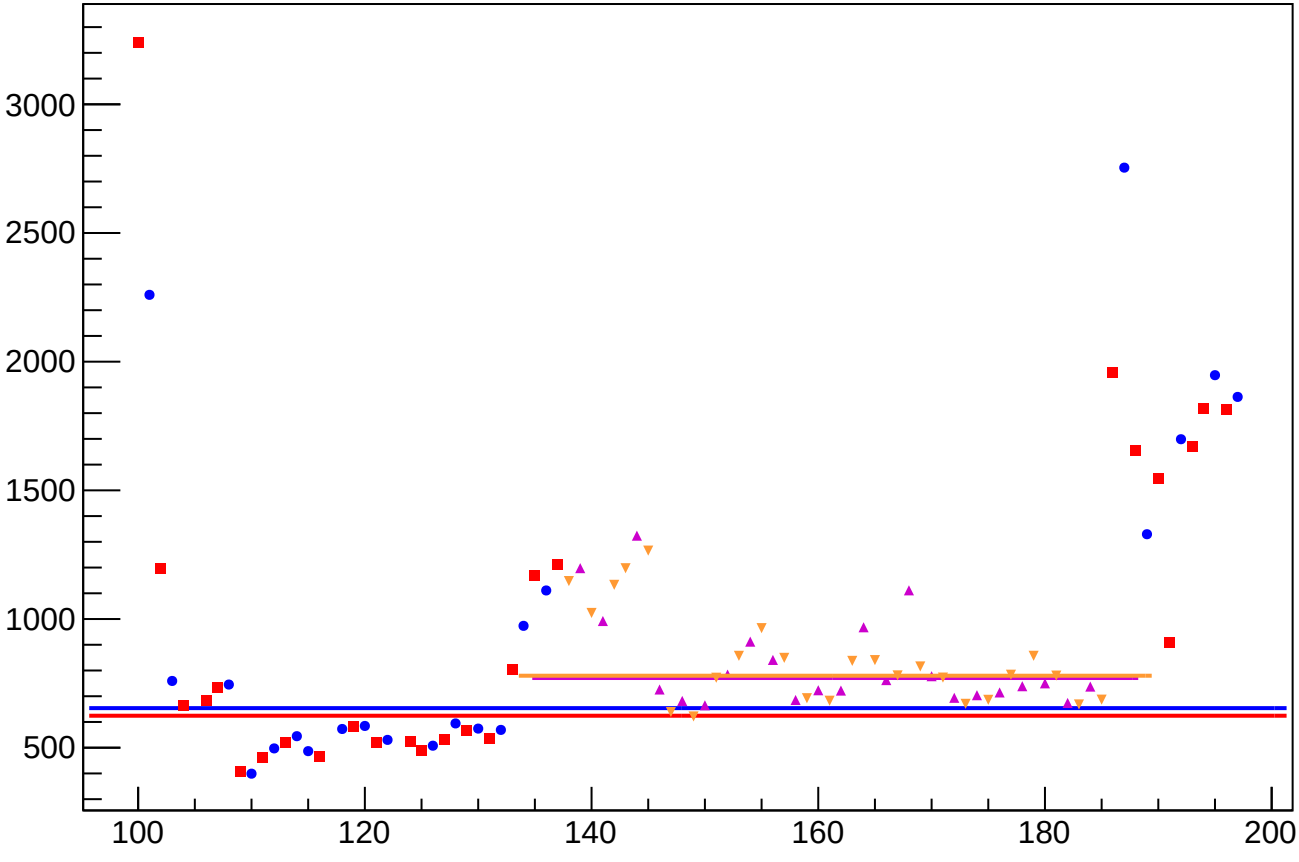
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -405.376+/-141.594 χ^2/NDF: 94.6/45

All: -335.736+/-98.750 χ^2/NDF: 132.9/94

- sign -269.786+/-137.792 χ^2/NDF: 37.9/48

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 653.785+/-0.160 χ^2/NDF: 4321364.5/20

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 624.247+/-0.148 χ^2/NDF: 4641912.1/25

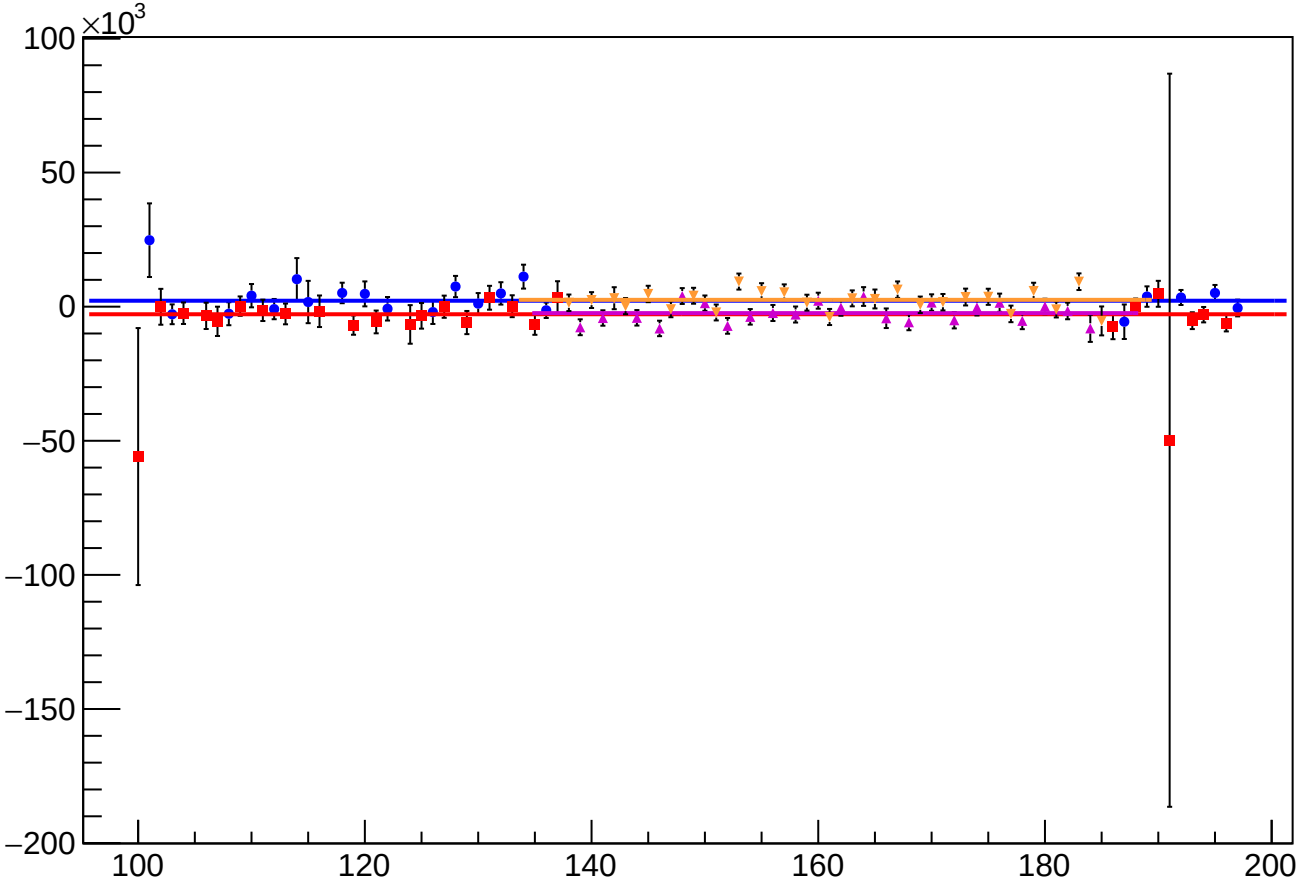
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 730.654+/-0.100 χ^2/NDF: 5941328.1/45

All: 718.448+/-0.070 χ^2/NDF: 12244817.0/94

- sign 706.890+/-0.097 χ^2/NDF: 6274554.9/48

dit_asym_atr1_mean vs Slug



Right In: 2211.971+/-877.860 χ^2/NDF: 21.4/20

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2827.386+/-834.599 χ^2/NDF: 16.2/25

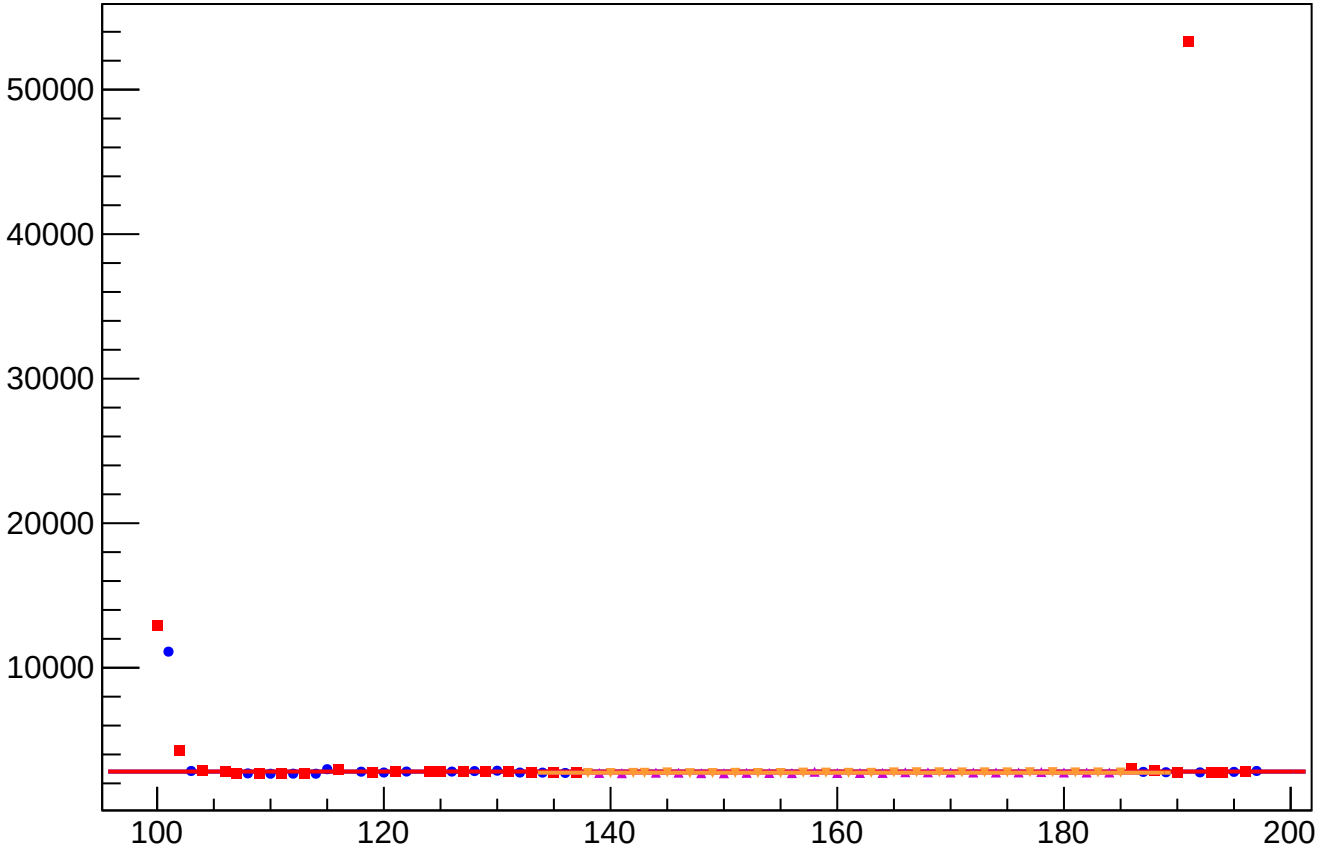
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2433.663+/-507.646 χ^2/NDF: 53.4/45

All: -63.174+/-359.053 χ^2/NDF: 150.0/94

- sign -2562.602+/-507.909 χ^2/NDF: 48.1/48

dit_asym_atr1_rms vs Slug



Right In: 2814.611+/-0.621 χ^2/NDF: 745514.9/20

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

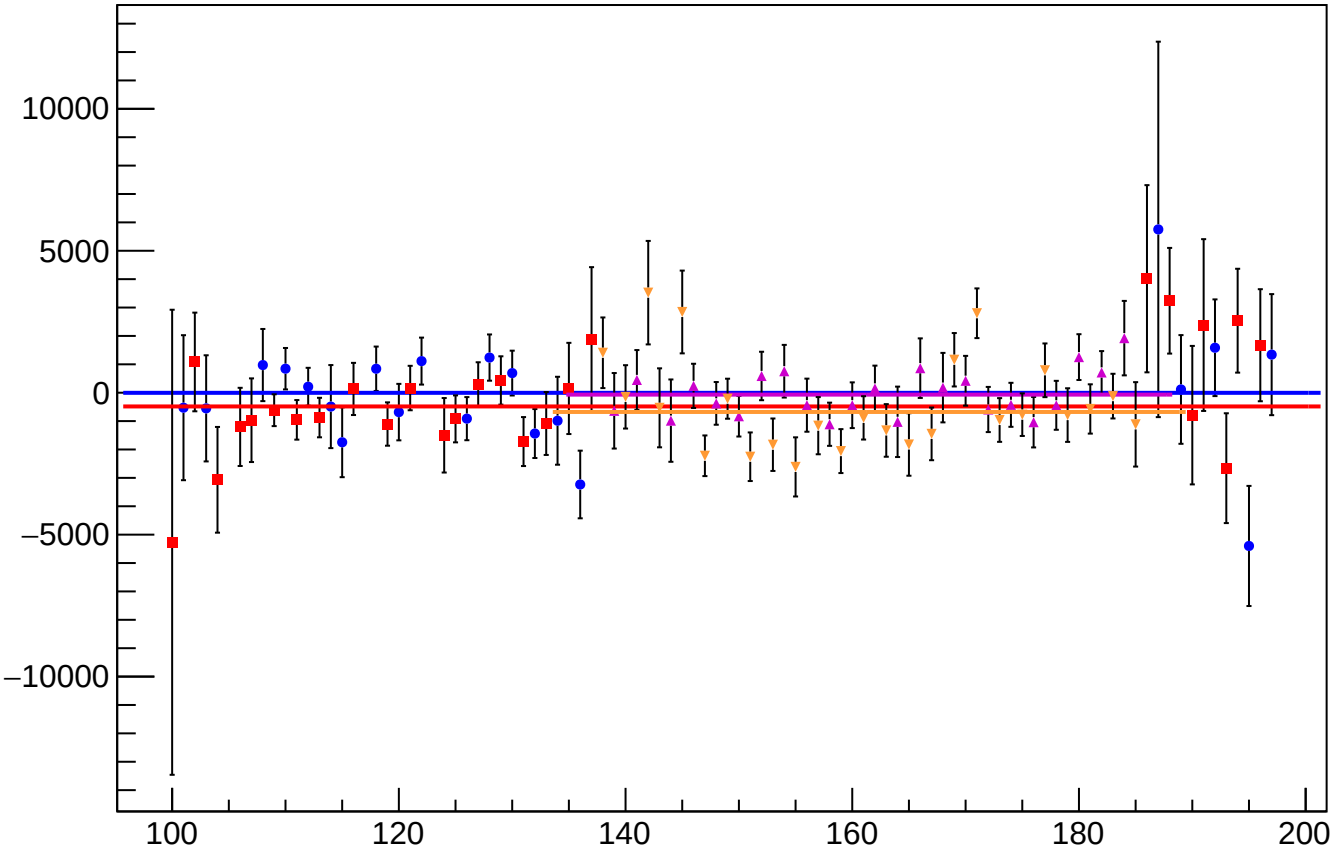
Right Out: 2819.139+/-0.590 χ^2/NDF: 531306.5/25

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.487+/-0.359 χ^2/NDF: 757633.5/45

All: 2767.335+/-0.254 χ^2/NDF: 1303363.9/94

- sign 2770.185+/-0.359 χ^2/NDF: 545604.5/48



Right In: -4.095+/-230.516 χ^2/NDF: 31.3/20

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -483.930+/-209.893 χ^2/NDF: 24.4/25

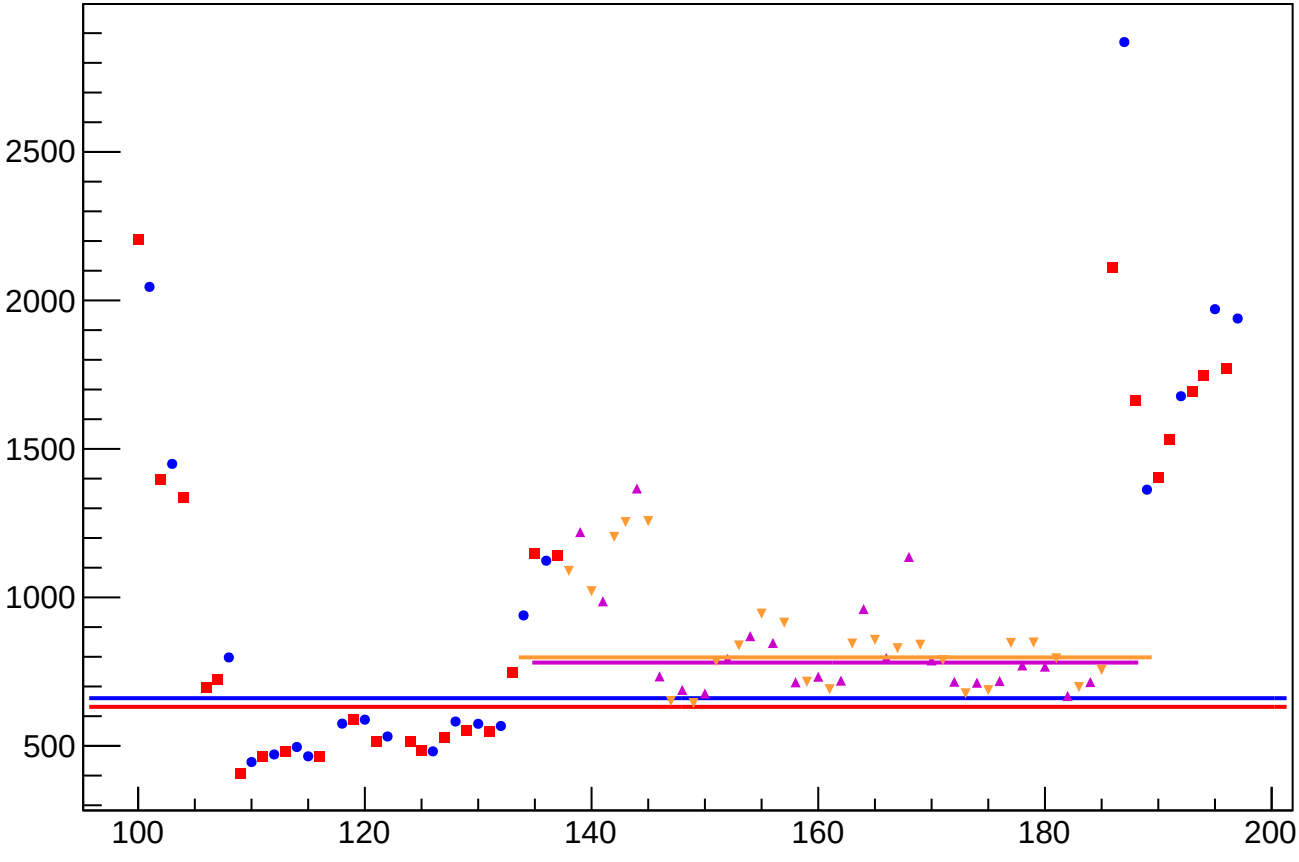
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -414.122+/-144.283 χ^2/NDF: 92.8/45

All: -328.909+/-100.092 χ^2/NDF: 135.9/94

- sign -249.858+/-138.969 χ^2/NDF: 42.5/48

asym_atr1_dit_correction_rms vs Slug



Right In: 660.634+/-0.163 χ^2/NDF: 4697083.0/20

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 631.430+/-0.148 χ^2/NDF: 5267831.3/25

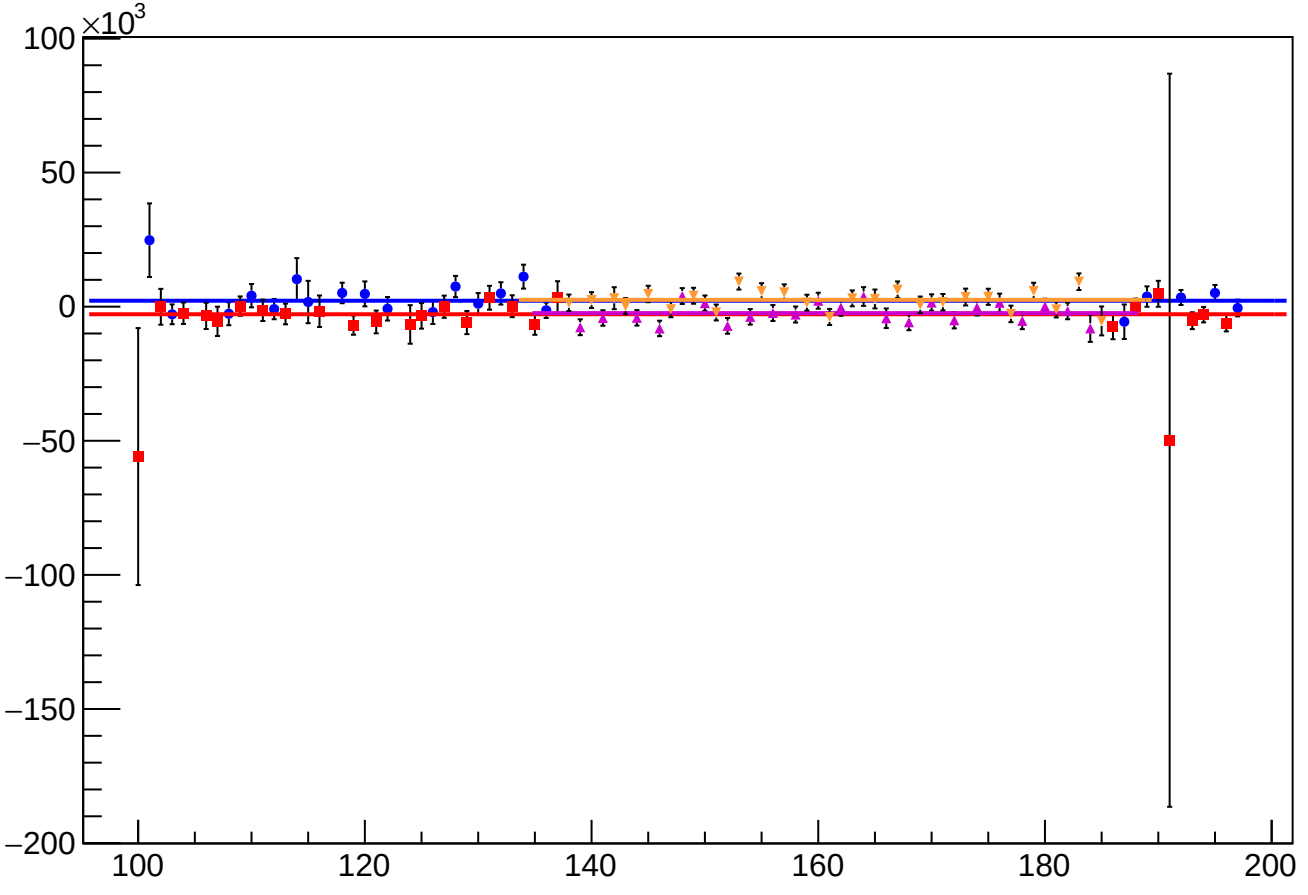
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 744.240+/-0.102 χ^2/NDF: 6297983.2/45

All: 729.158+/-0.071 χ^2/NDF: 13239547.5/94

- sign 715.166+/-0.098 χ^2/NDF: 6899438.4/48

eigen_dit_asym_atr1_mean vs Slug



Right In: 2211.971+/-877.860 χ^2/NDF: 21.4/20

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2827.382+/-834.599 χ^2/NDF: 16.2/25

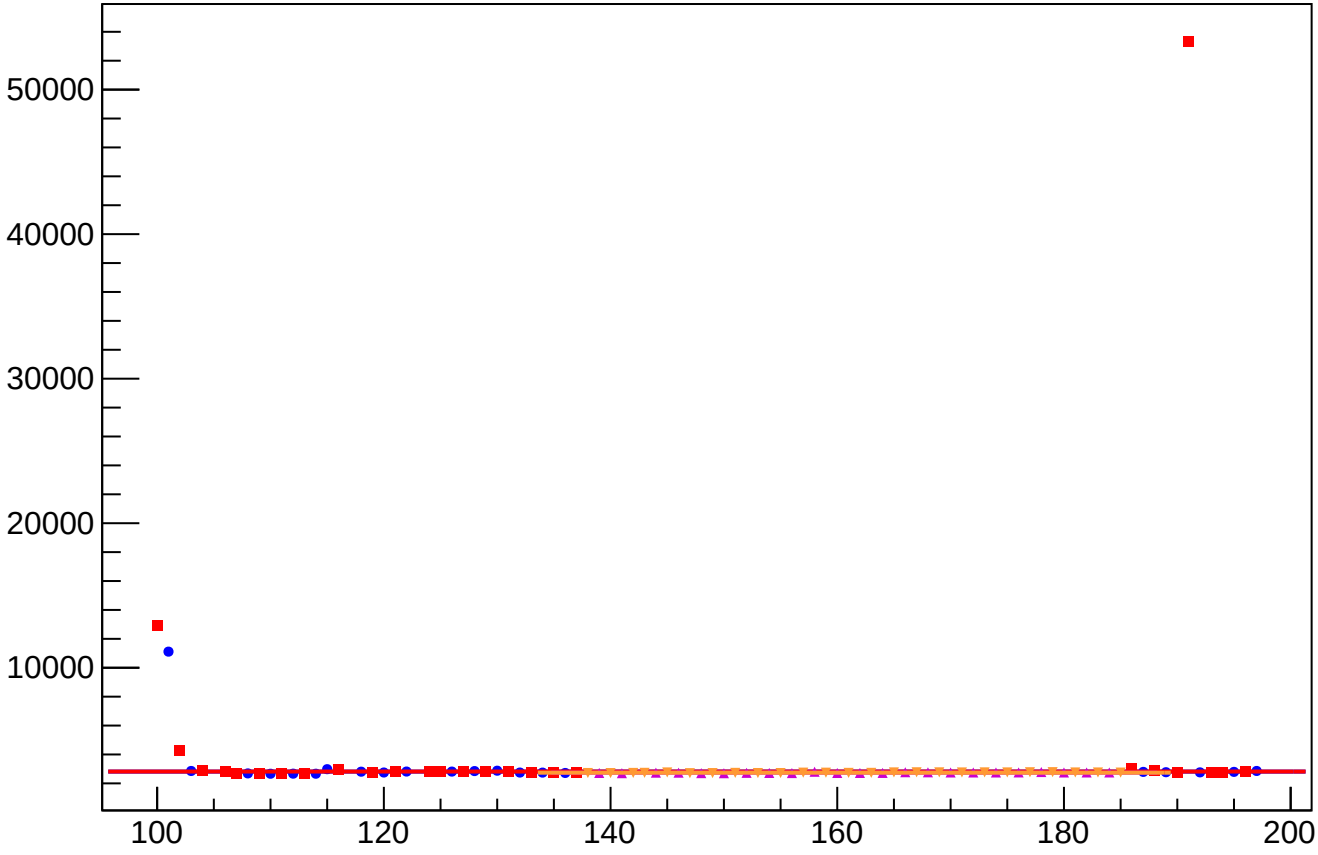
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2433.663+/-507.646 χ^2/NDF: 53.4/45

All: -63.173+/-359.053 χ^2/NDF: 150.0/94

- sign -2562.600+/-507.909 χ^2/NDF: 48.1/48

eigen_dit_asym_atr1_rms vs Slug



Right In: 2814.611+/-0.621 χ^2/NDF: 745514.9/20

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

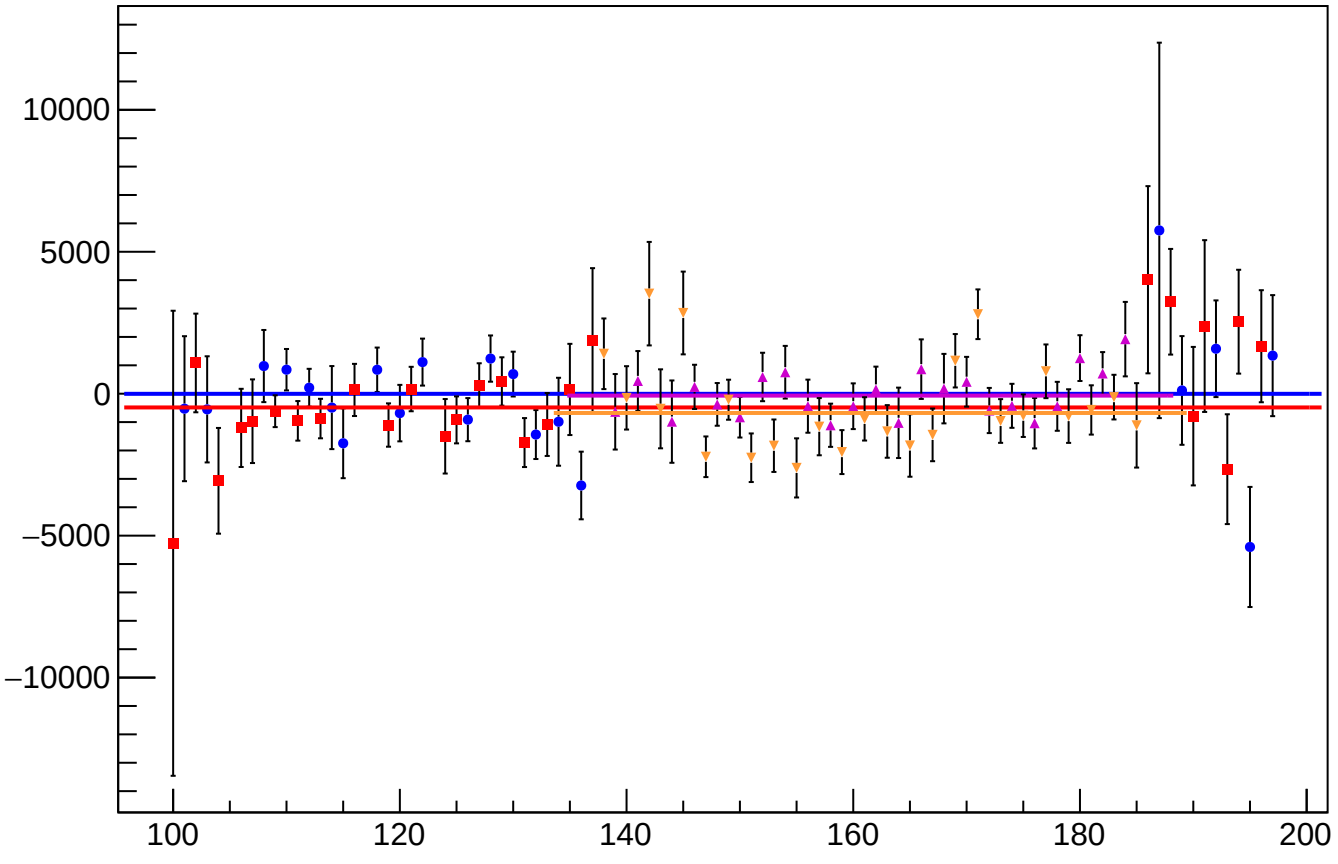
Right Out: 2819.139+/-0.590 χ^2/NDF: 531306.3/25

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.487+/-0.359 χ^2/NDF: 757633.5/45

All: 2767.335+/-0.254 χ^2/NDF: 1303363.7/94

- sign 2770.185+/-0.359 χ^2/NDF: 545604.3/48



Right In: -4.094+/-230.516 χ^2/NDF: 31.3/20

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -483.931+/-209.893 χ^2/NDF: 24.4/25

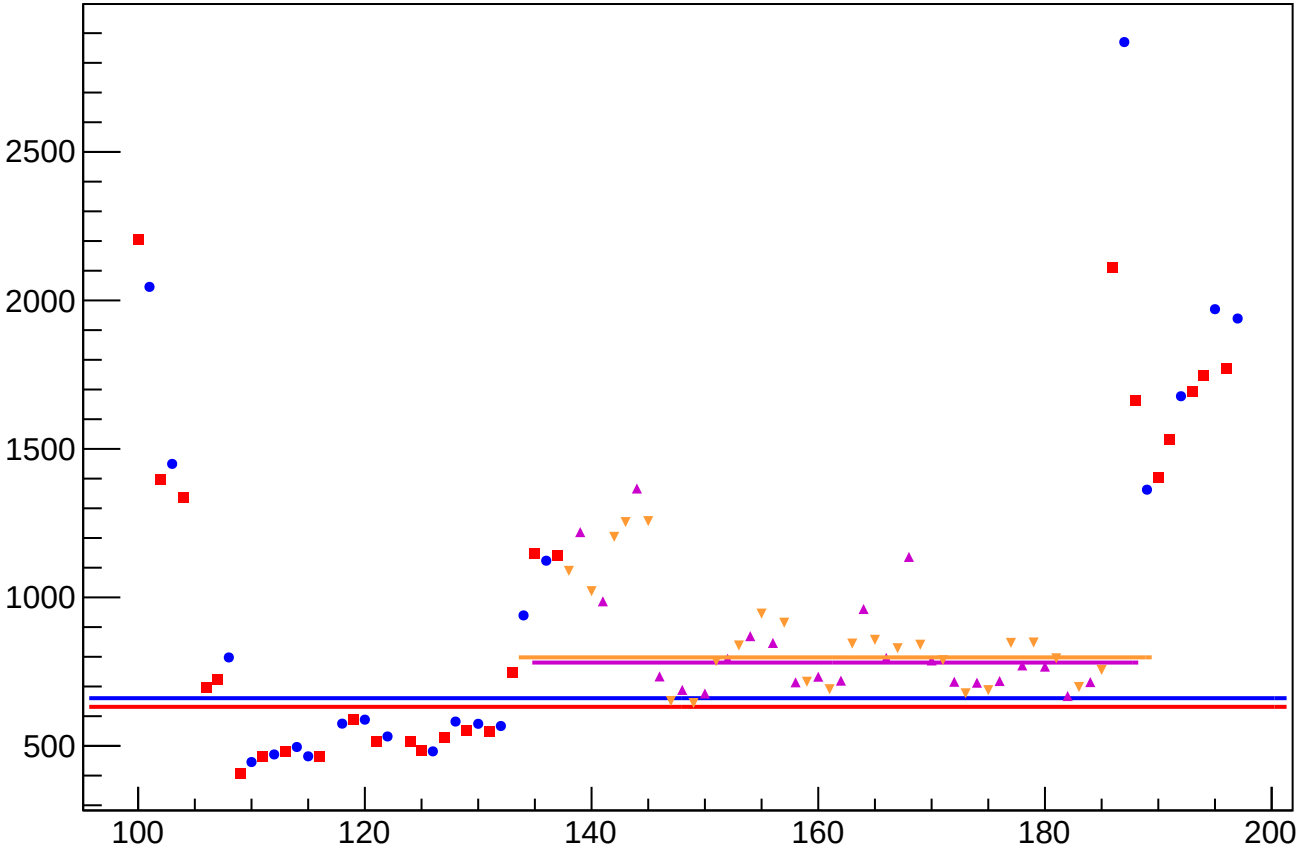
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

\+ sign -414.122+/-144.283 χ^2/NDF: 92.8/45

All: -328.909+/-100.092 χ^2/NDF: 135.9/94

\- sign -249.858+/-138.969 χ^2/NDF: 42.5/48

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 660.634+/-0.163 χ^2/NDF: 4697078.5/20

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

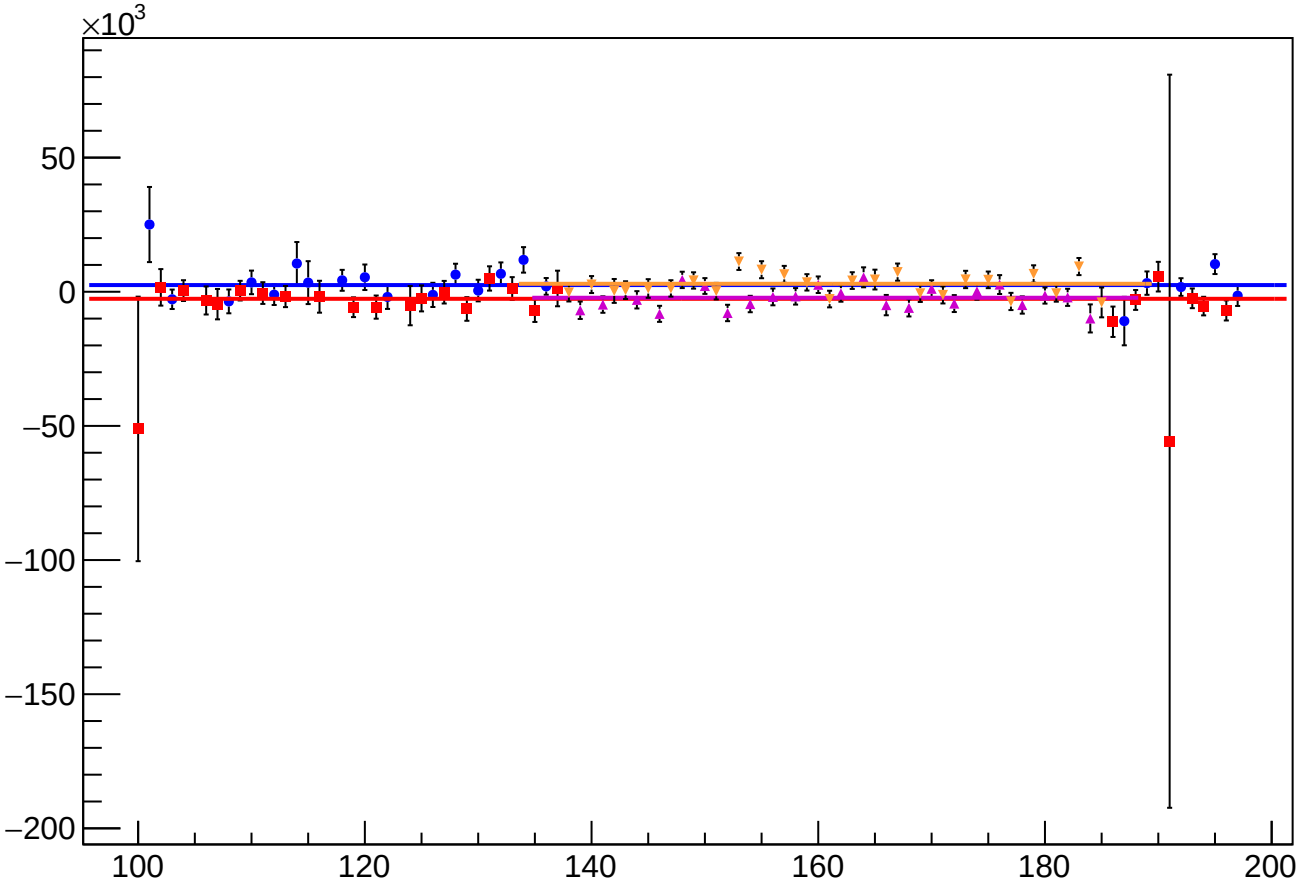
Right Out: 631.430+/-0.148 χ^2/NDF: 5267831.1/25

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 744.240+/-0.102 χ^2/NDF: 6297978.0/45

All: 729.158+/-0.071 χ^2/NDF: 13239543.7/94

- sign 715.166+/-0.098 χ^2/NDF: 6899439.0/48



Right In: 2493.437+/-946.593 χ^2/NDF: 24.7/20

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2626.527+/-901.415 χ^2/NDF: 17.3/25

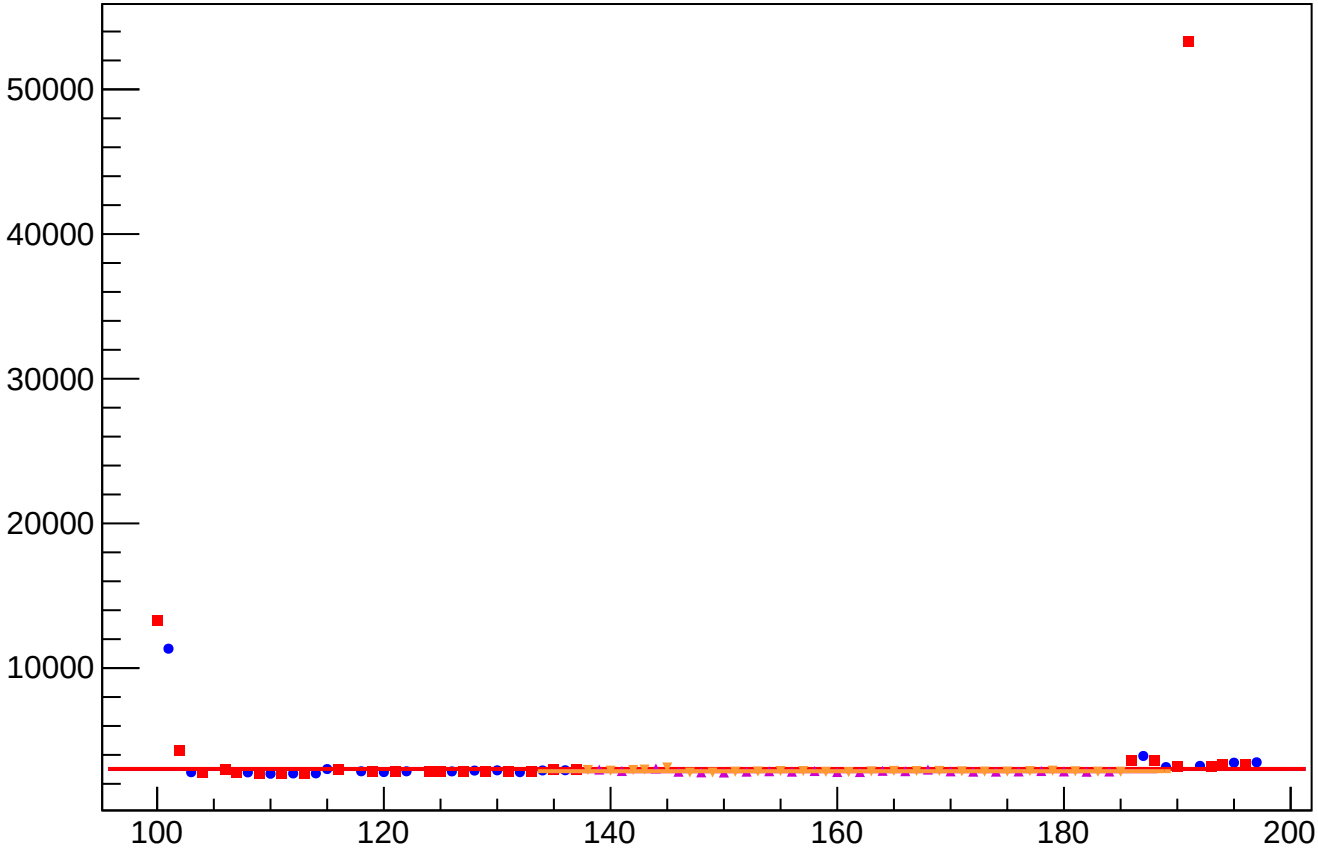
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2815.797+/-537.670 χ^2/NDF: 60.6/45

All: 220.994+/-380.271 χ^2/NDF: 158.4/94

- sign -2376.023+/-537.900 χ^2/NDF: 51.2/48

asym_atr1_rms vs Slug



Right In: 3024.214+/-0.669 χ^2/NDF: 854743.3/20

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

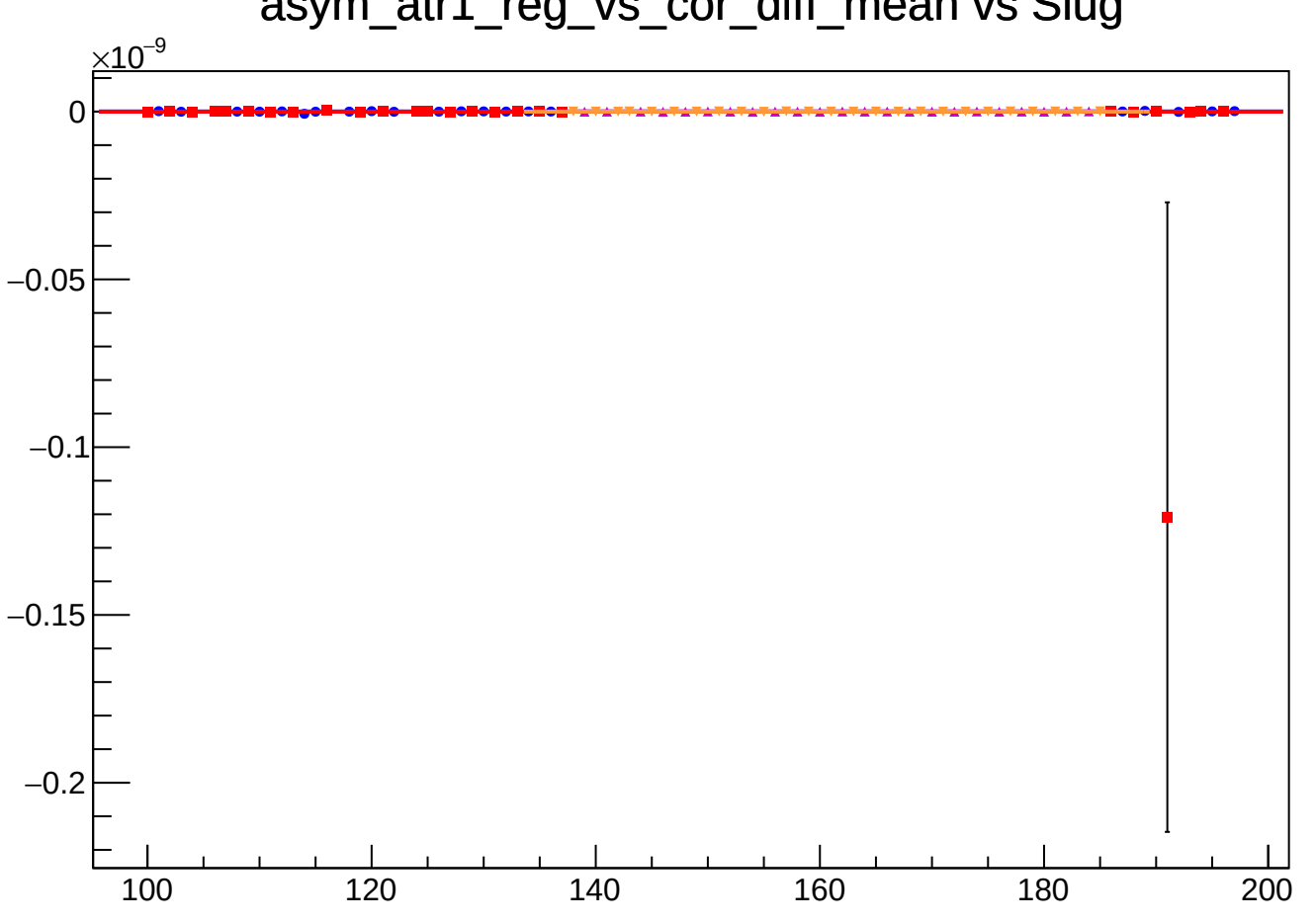
Right Out: 3030.072+/-0.637 χ^2/NDF: 659255.7/25

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2923.096+/-0.380 χ^2/NDF: 910224.9/45

All: 2925.096+/-0.269 χ^2/NDF: 1627756.6/94

- sign 2927.098+/-0.380 χ^2/NDF: 717476.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/25

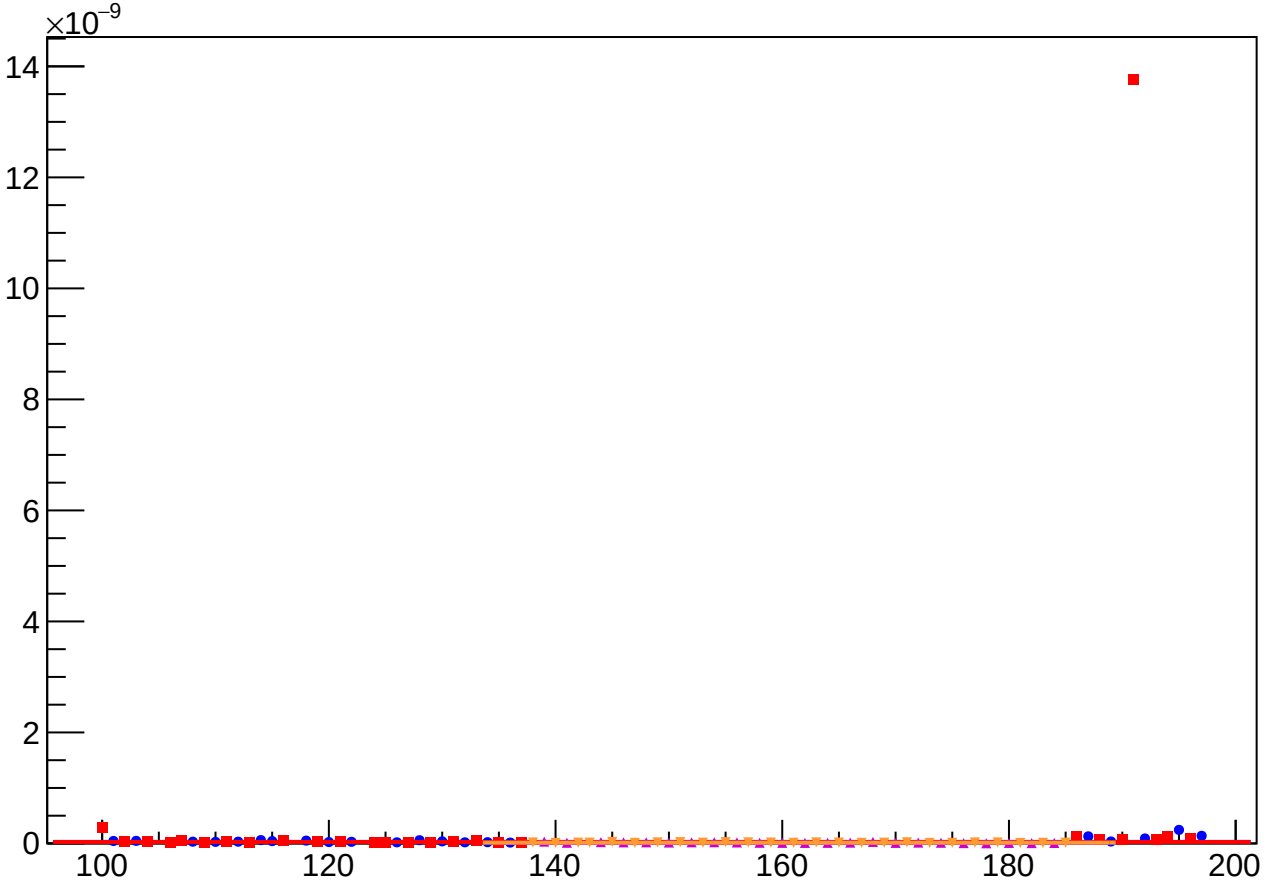
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/45

All: 0.000+/-0.000 χ^2/NDF: 89.4/94

- sign 0.000+/-0.000 χ^2/NDF: 58.8/48

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2354291.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2264586.8/25

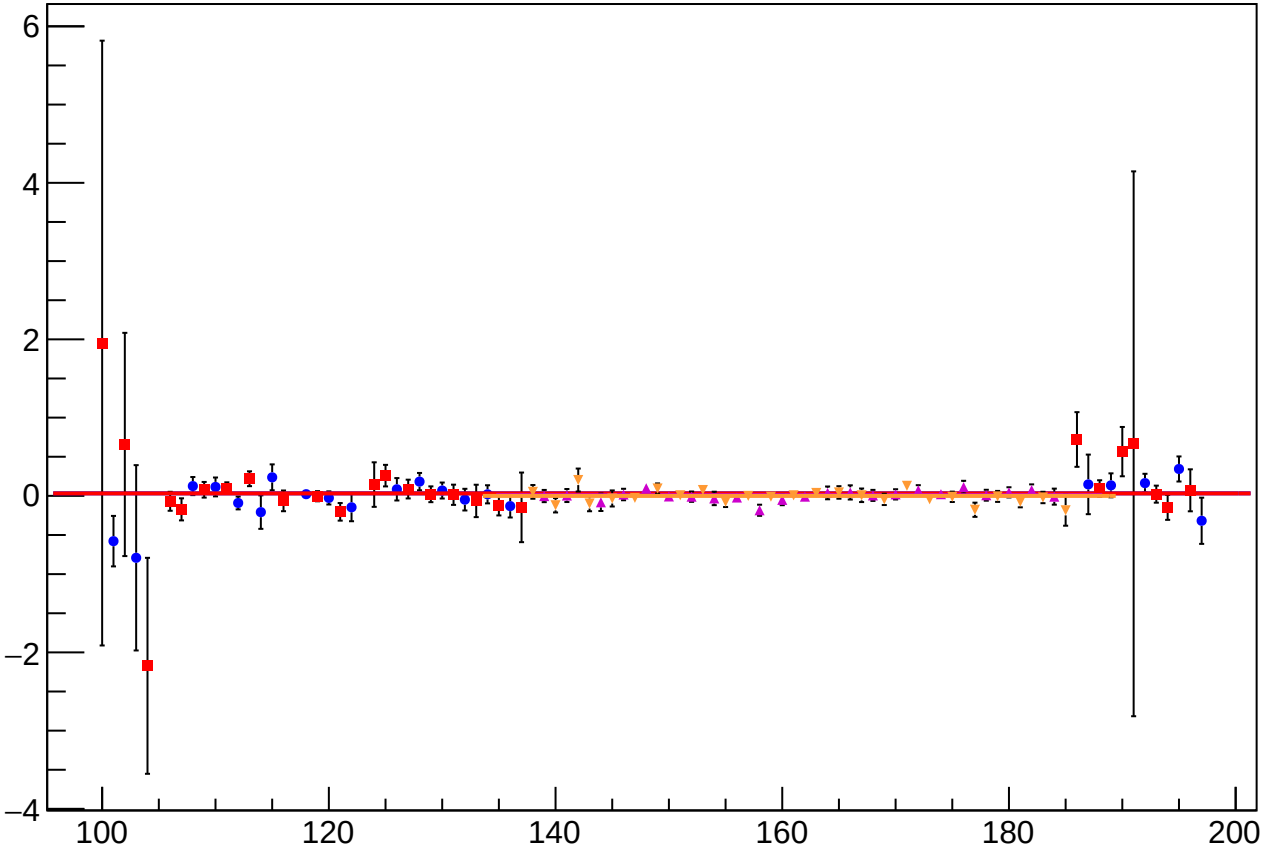
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4937621.3/45

All: 0.000+/-0.000 χ^2/NDF: 12359851.7/94

- sign 0.000+/-0.000 χ^2/NDF: 7156438.3/48

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.032+/-0.026 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.3/25

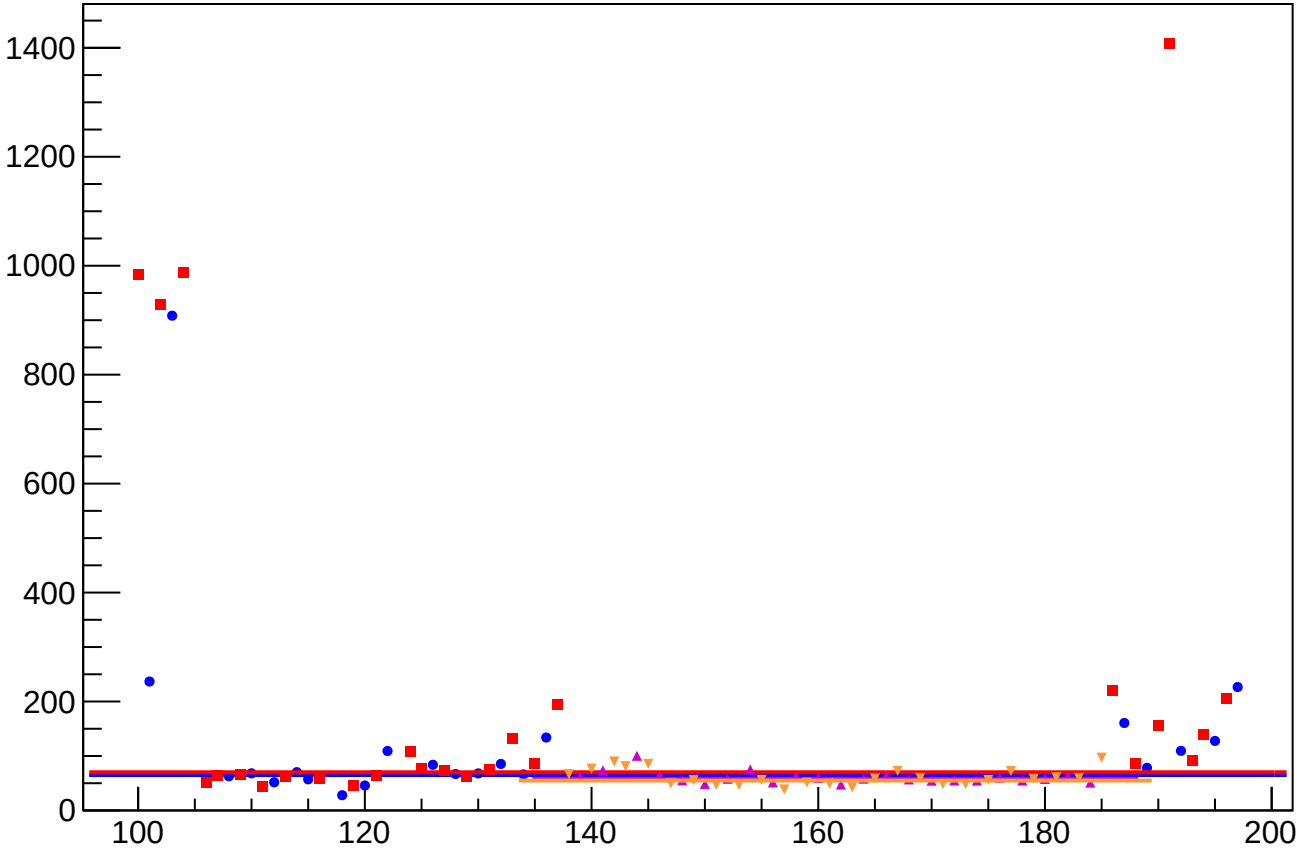
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.007+/-0.012 χ^2/NDF: 46.2/45

All: 0.010+/-0.009 χ^2/NDF: 91.7/94

- sign 0.014+/-0.013 χ^2/NDF: 45.4/48

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 65.020+/-0.018 χ^2/NDF: 4700884.7/20

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 70.109+/-0.018 χ^2/NDF: 4609957.7/25

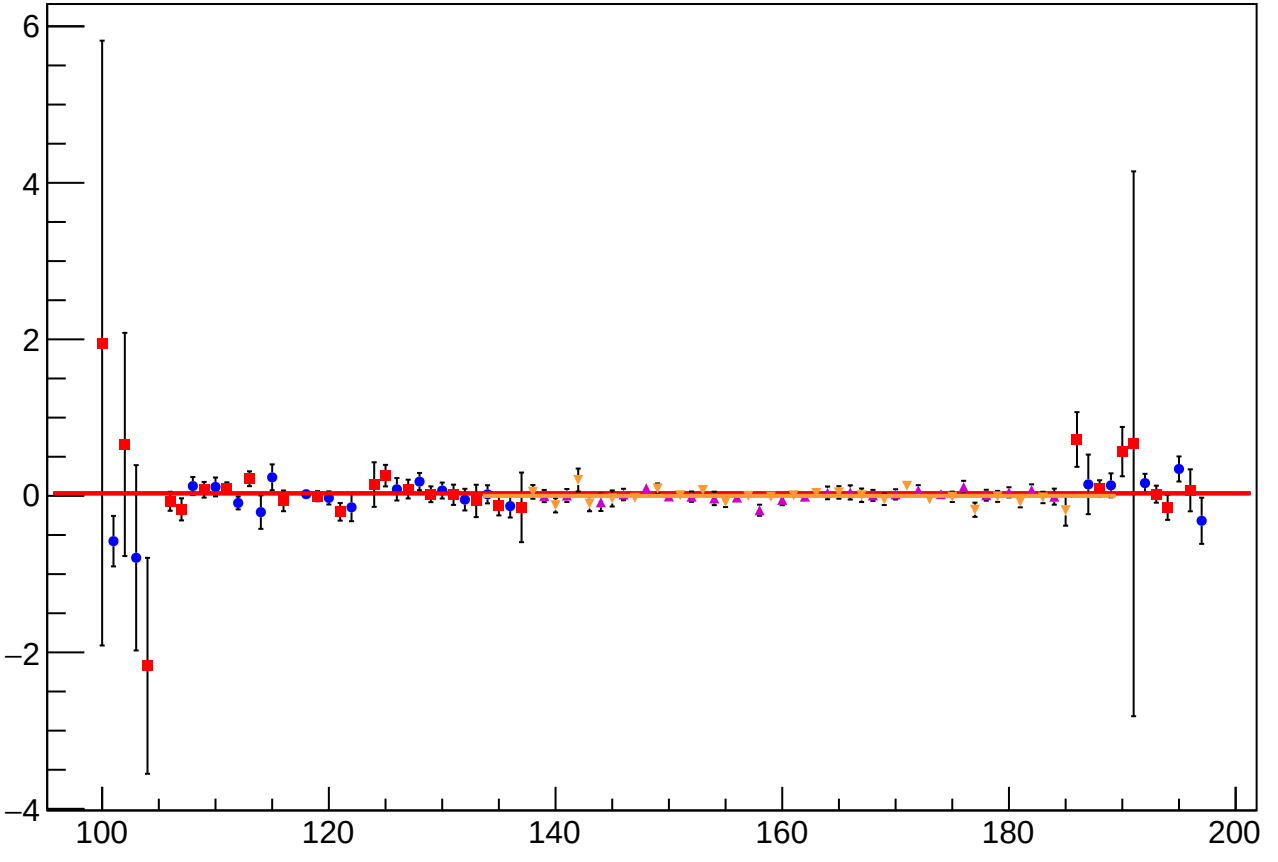
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 57.201+/-0.009 χ^2/NDF: 6229145.0/45

All: 59.099+/-0.006 χ^2/NDF: 11919427.4/94

- sign 61.134+/-0.009 χ^2/NDF: 5593295.2/48

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.032+/-0.026 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.3/25

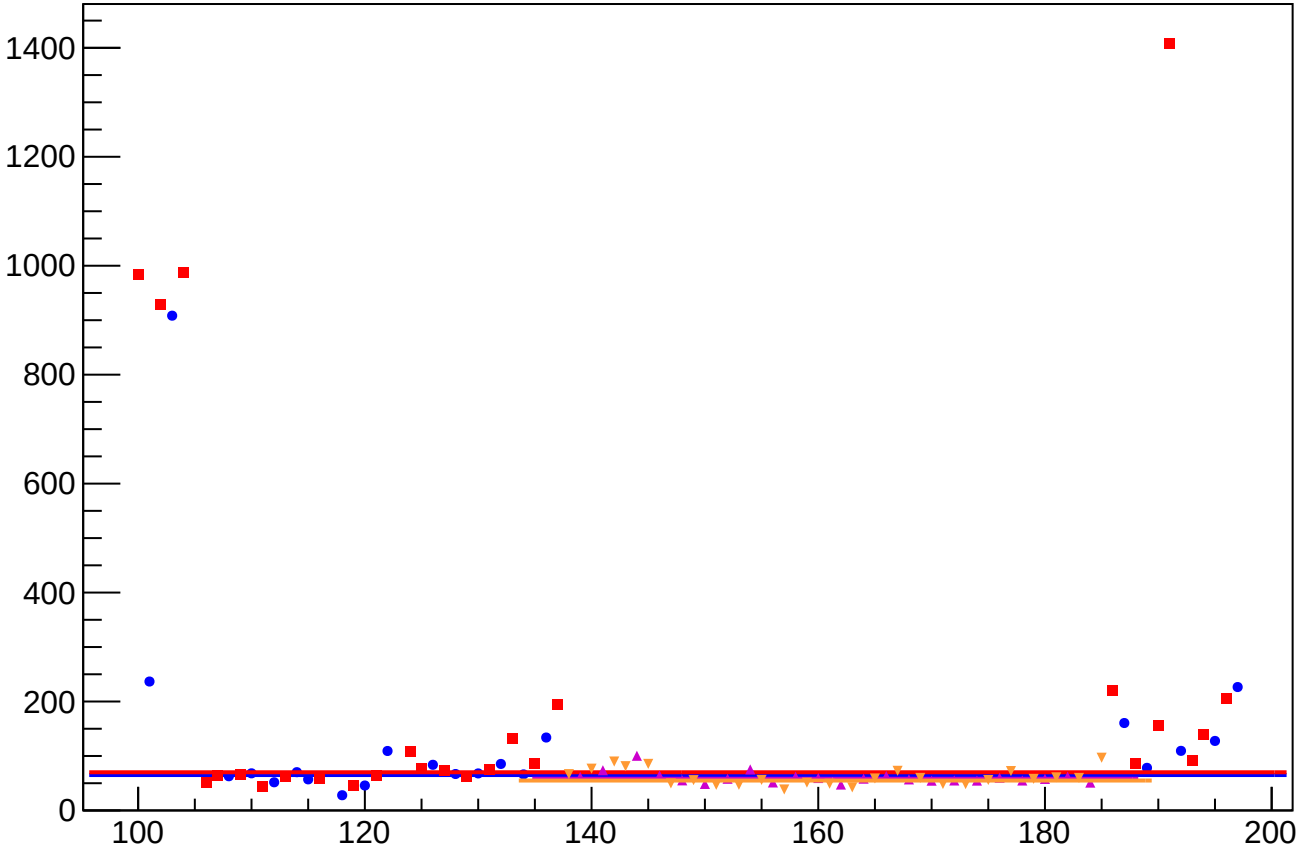
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.007+/-0.012 χ^2/NDF: 46.2/45

All: 0.010+/-0.009 χ^2/NDF: 91.7/94

- sign 0.014+/-0.013 χ^2/NDF: 45.4/48

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.020+/-0.018 χ^2/NDF: 4700884.7/20

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 70.109+/-0.018 χ^2/NDF: 4609957.7/25

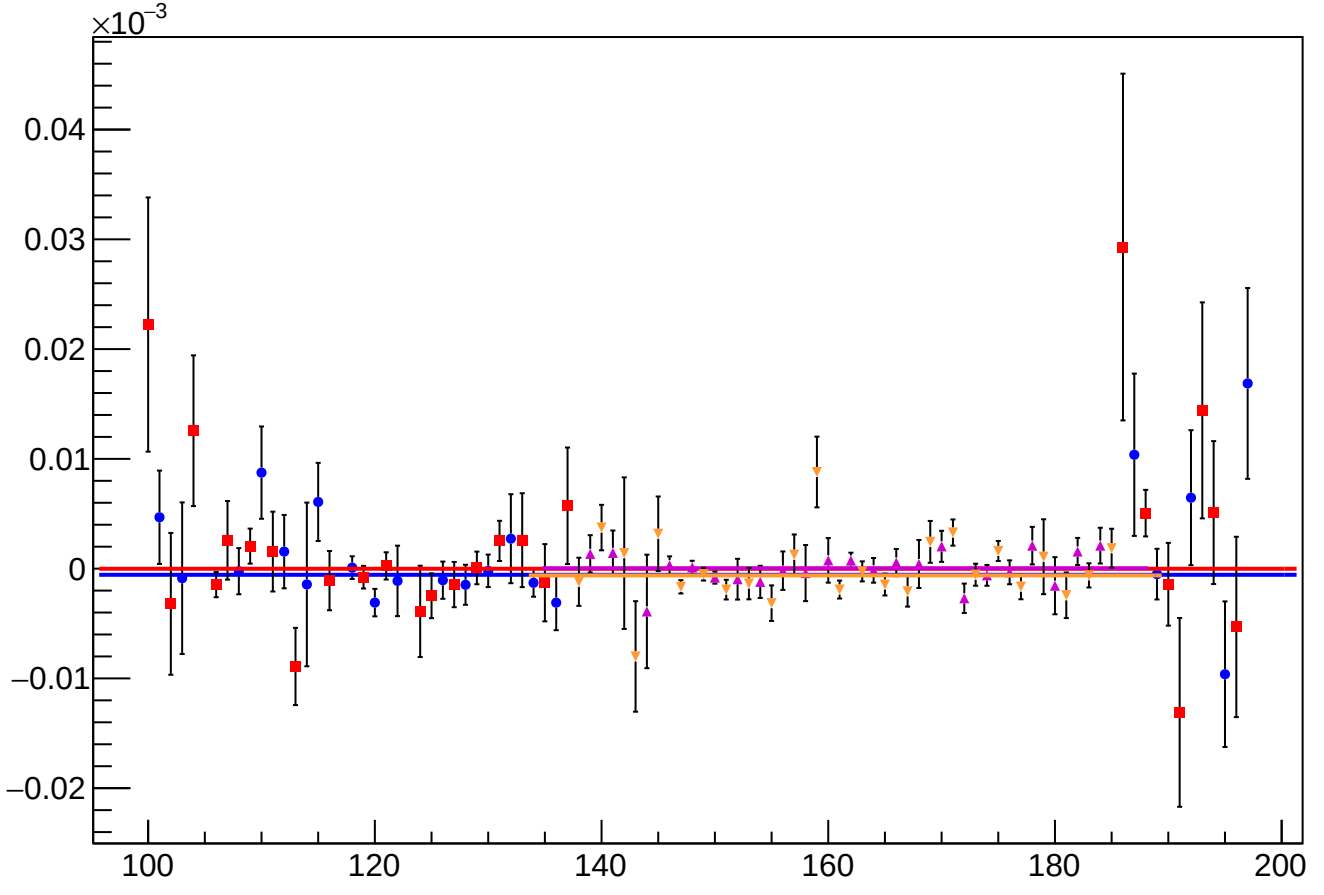
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 57.201+/-0.009 χ^2/NDF: 6229145.0/45

All: 59.099+/-0.006 χ^2/NDF: 11919427.4/94

- sign 61.134+/-0.009 χ^2/NDF: 5593295.2/48

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/25

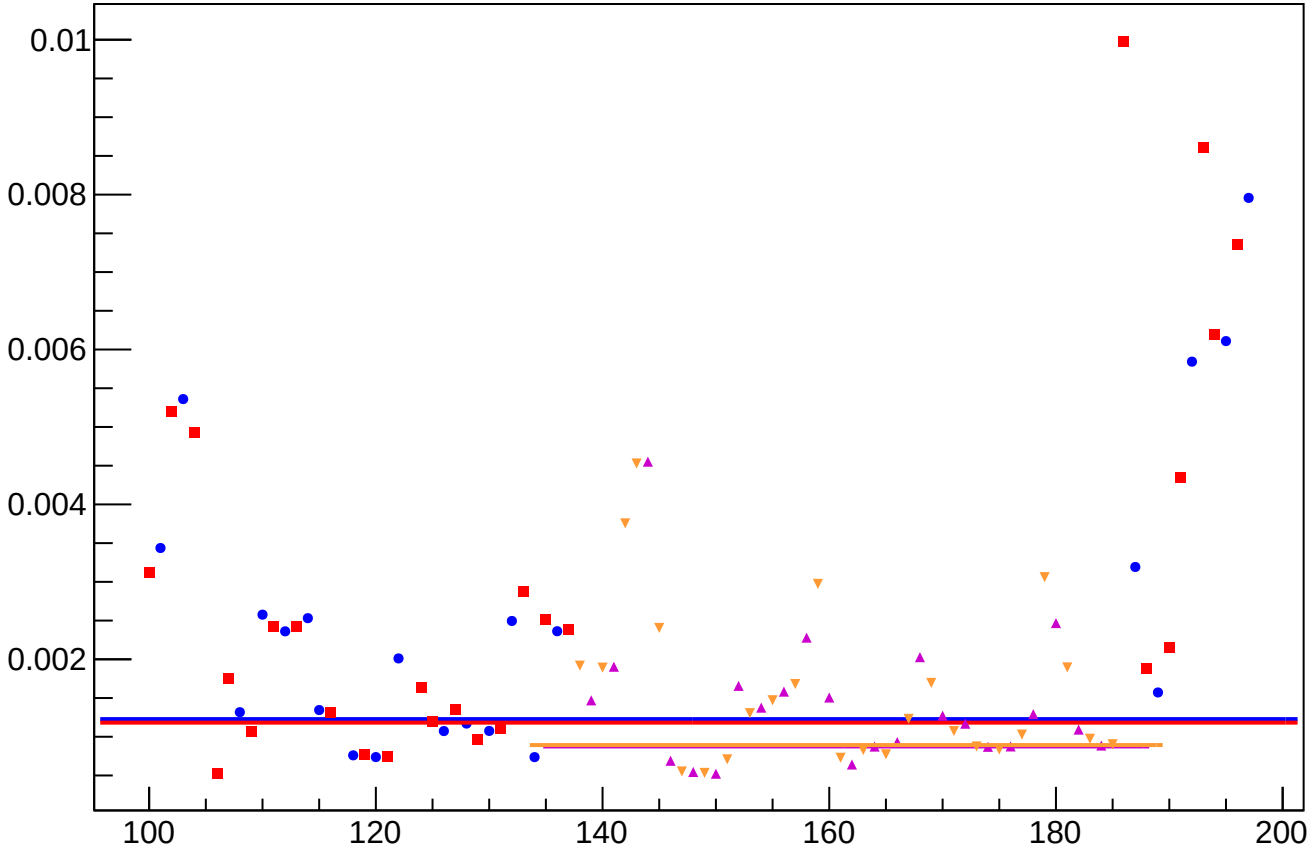
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.4/45

All: -0.000+/-0.000 χ^2/NDF: 141.8/94

- sign 0.000+/-0.000 χ^2/NDF: 57.8/48

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7133016.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8694228.1/25

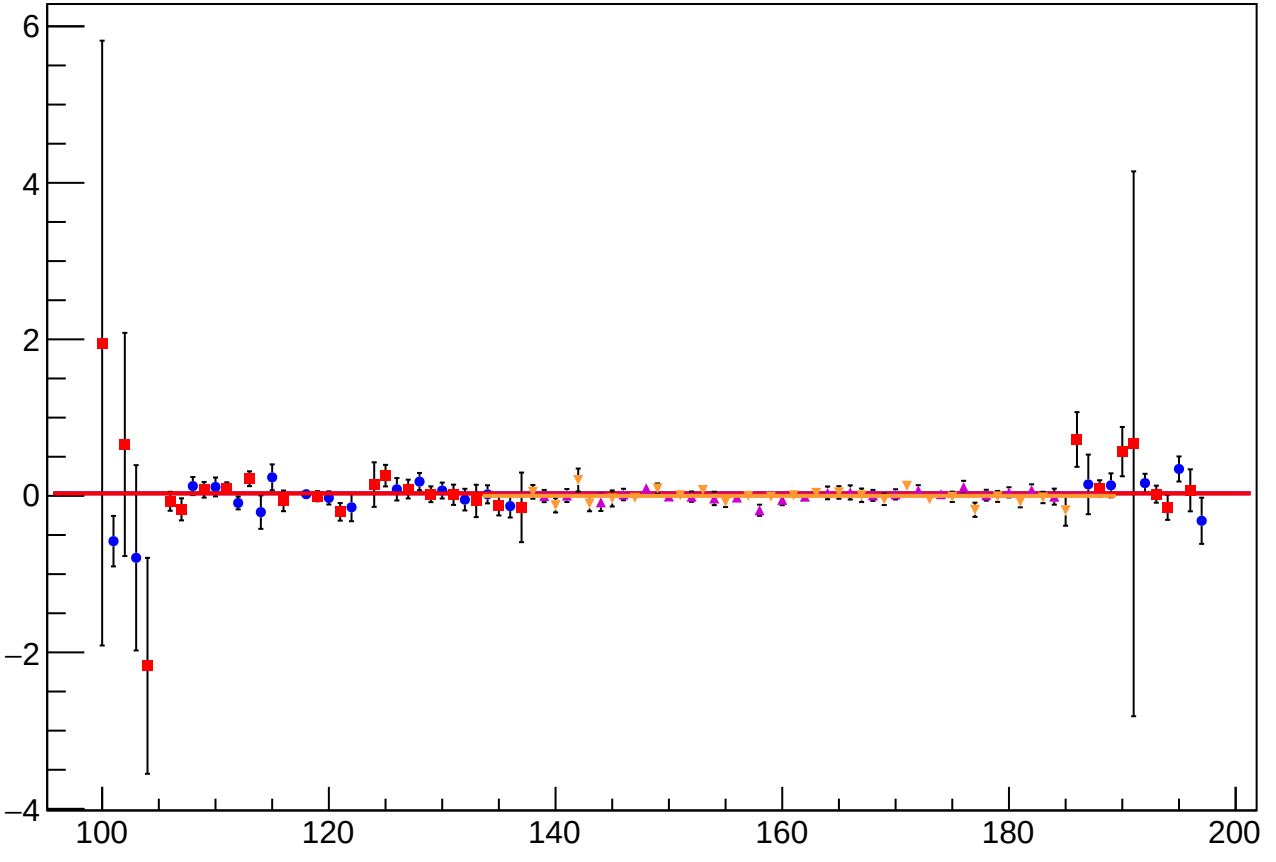
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 15673416.4/45

All: 0.001+/-0.000 χ^2/NDF: 32075084.7/94

- sign 0.001+/-0.000 χ^2/NDF: 16395663.4/48

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.032+/-0.026 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.3/25

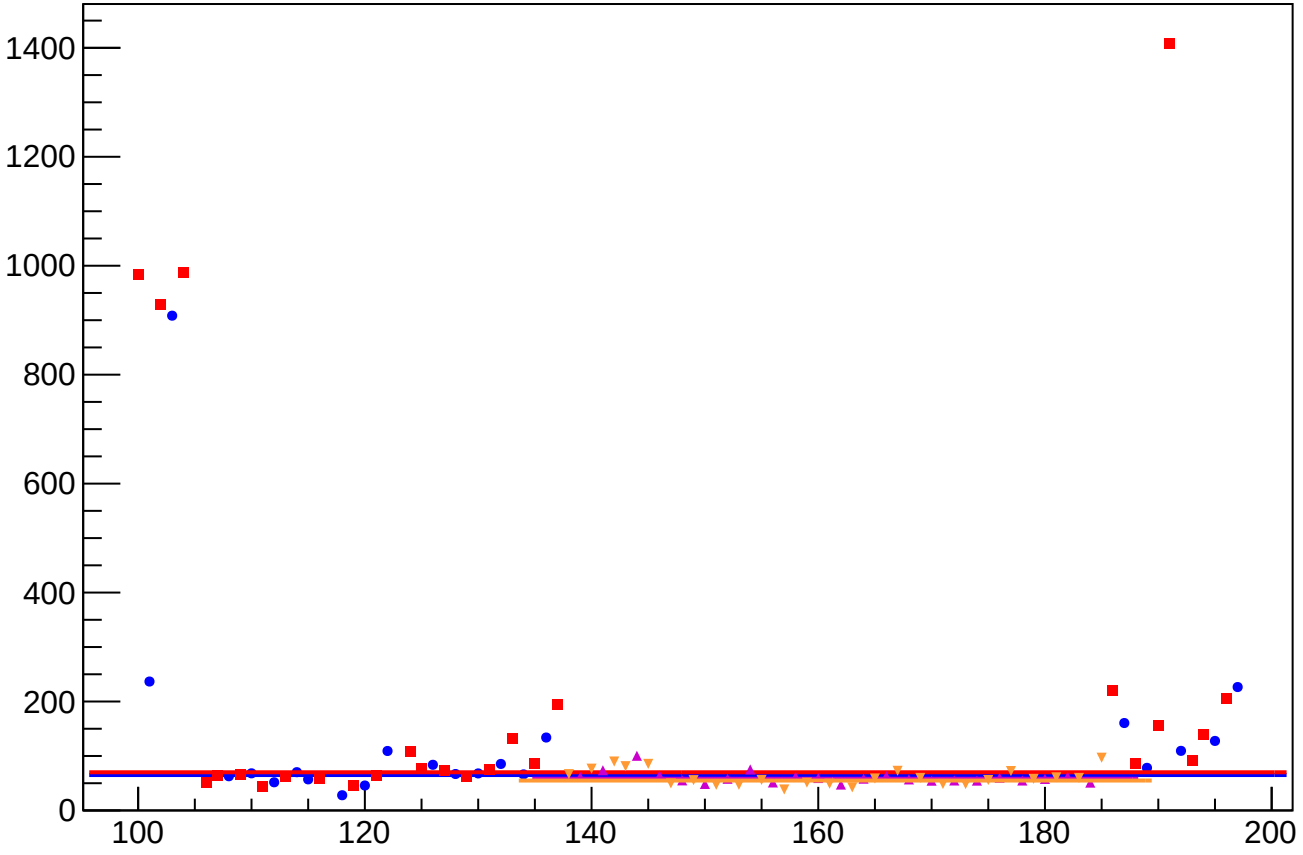
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.007+/-0.012 χ^2/NDF: 46.1/45

All: 0.010+/-0.009 χ^2/NDF: 91.7/94

\- sign 0.014+/-0.013 χ^2/NDF: 45.4/48

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 65.019+/-0.018 χ^2/NDF: 4700986.6/20

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

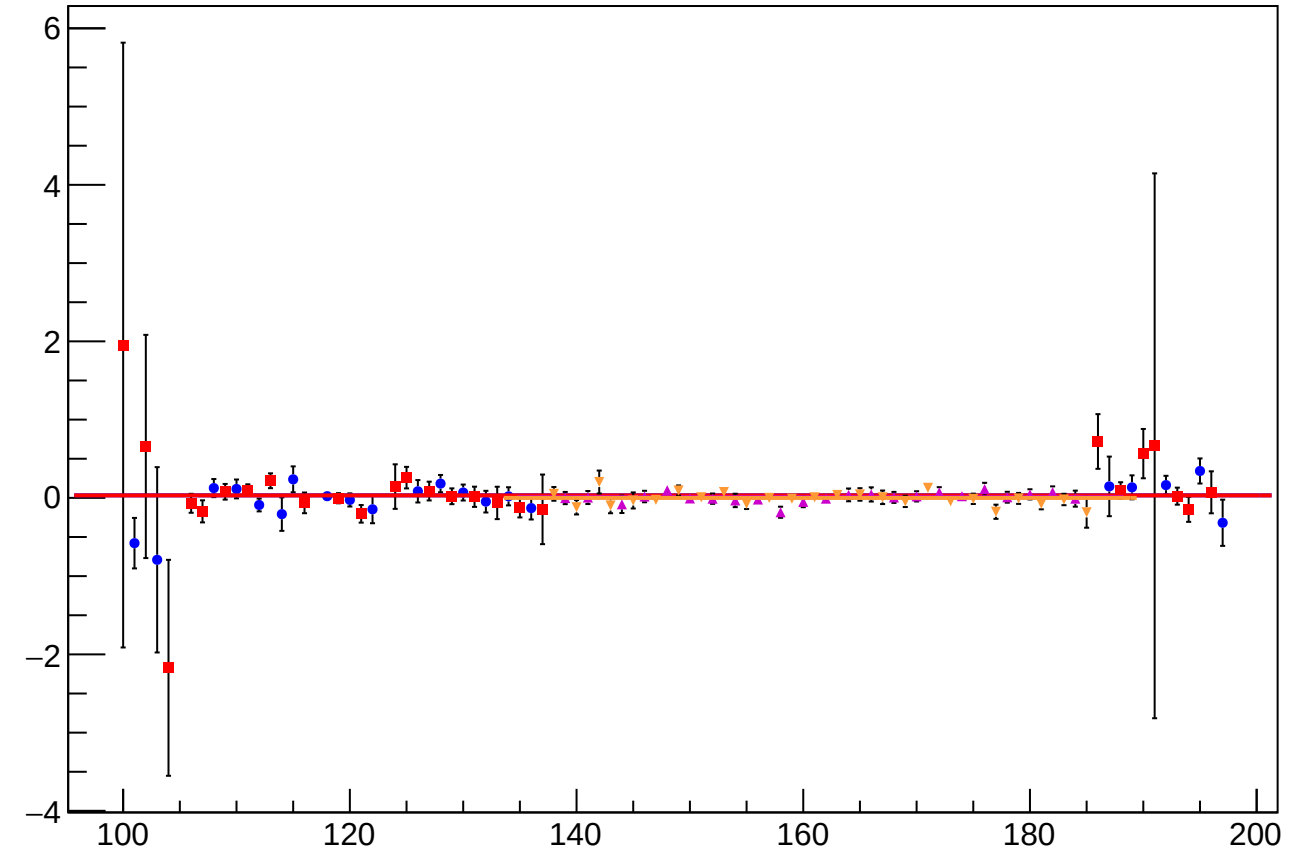
Right Out: 70.109+/-0.018 χ^2/NDF: 4609966.1/25

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 57.201+/-0.009 χ^2/NDF: 6229304.9/45

All: 59.099+/-0.006 χ^2/NDF: 11919626.7/94

- sign 61.134+/-0.009 χ^2/NDF: 5593310.1/48



Right In: 0.032+/-0.026 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.3/25

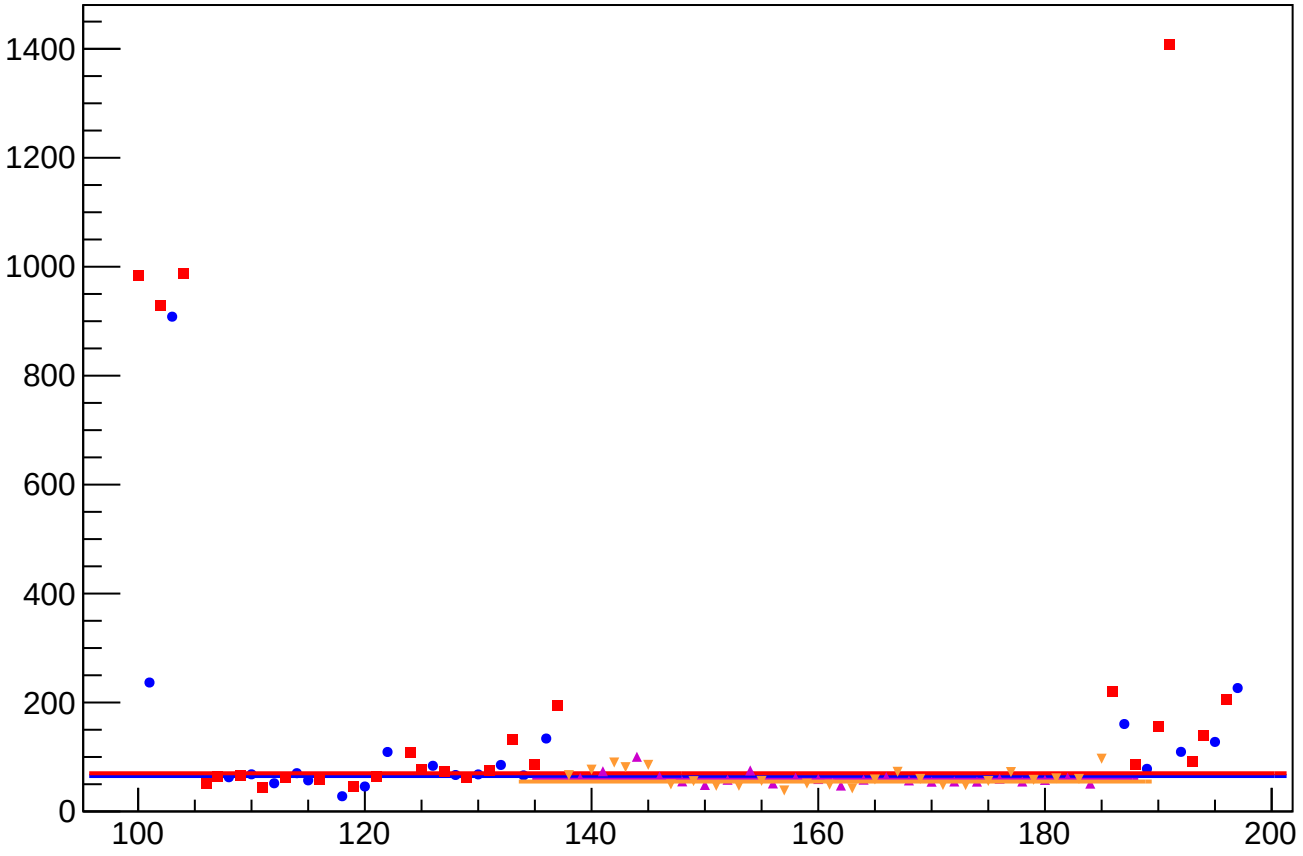
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.007+/-0.012 χ^2/NDF: 46.1/45

All: 0.010+/-0.009 χ^2/NDF: 91.7/94

- sign 0.014+/-0.013 χ^2/NDF: 45.4/48

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.019+/-0.018 χ^2/NDF: 4700986.6/20

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

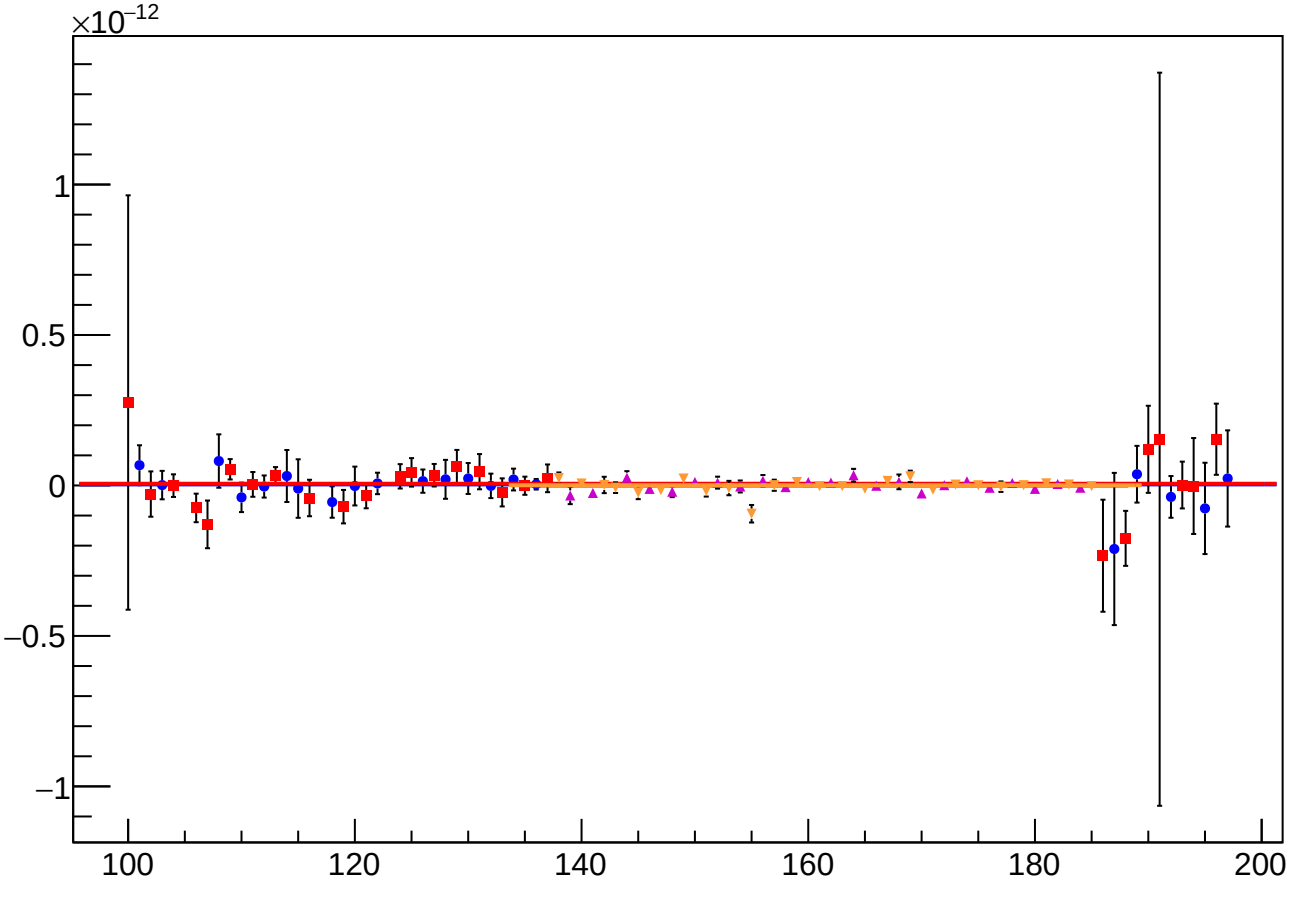
Right Out: 70.109+/-0.018 χ^2/NDF: 4609966.1/25

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 57.201+/-0.009 χ^2/NDF: 6229304.9/45

All: 59.099+/-0.006 χ^2/NDF: 11919626.7/94

- sign 61.134+/-0.009 χ^2/NDF: 5593310.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 5.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

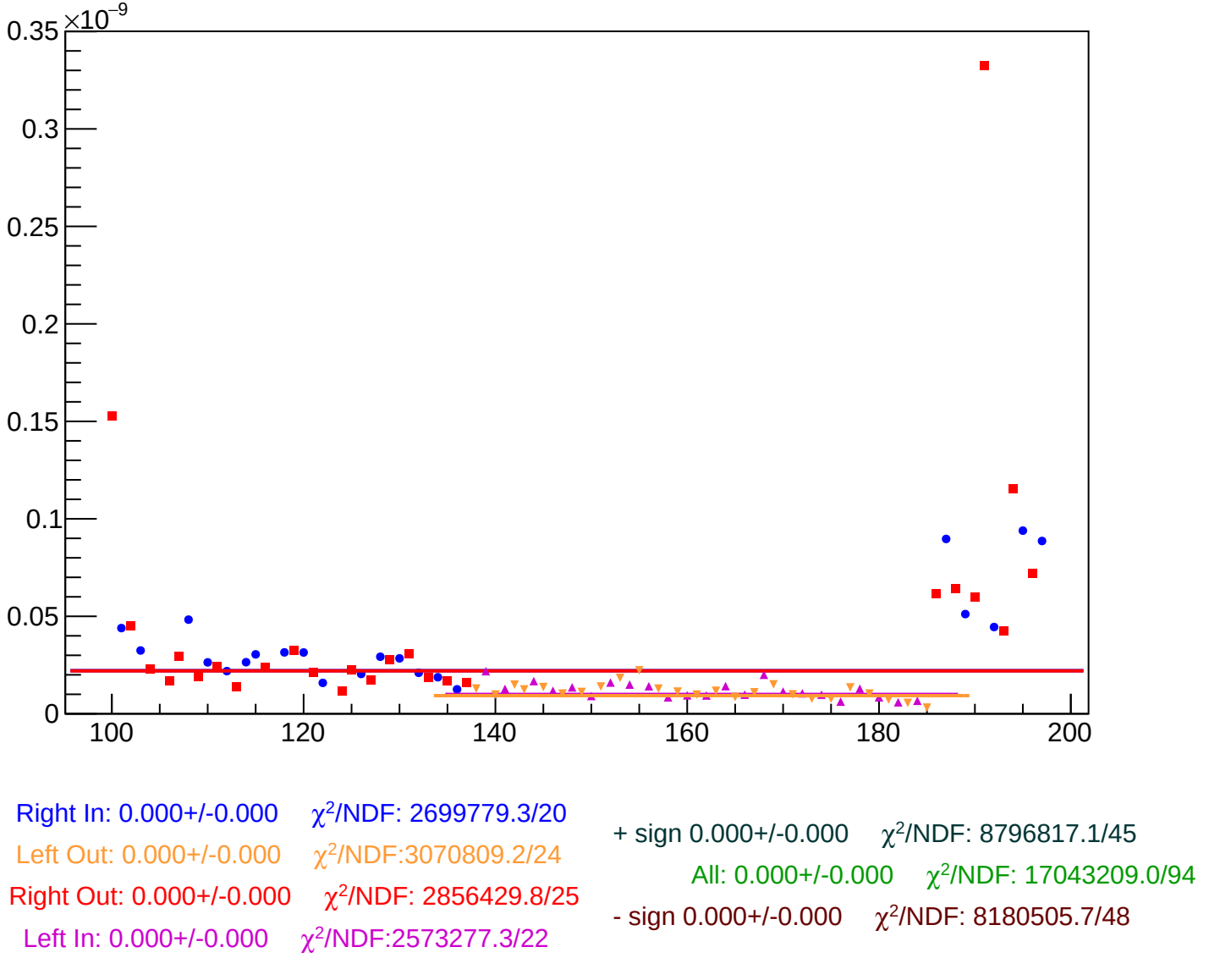
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/25

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

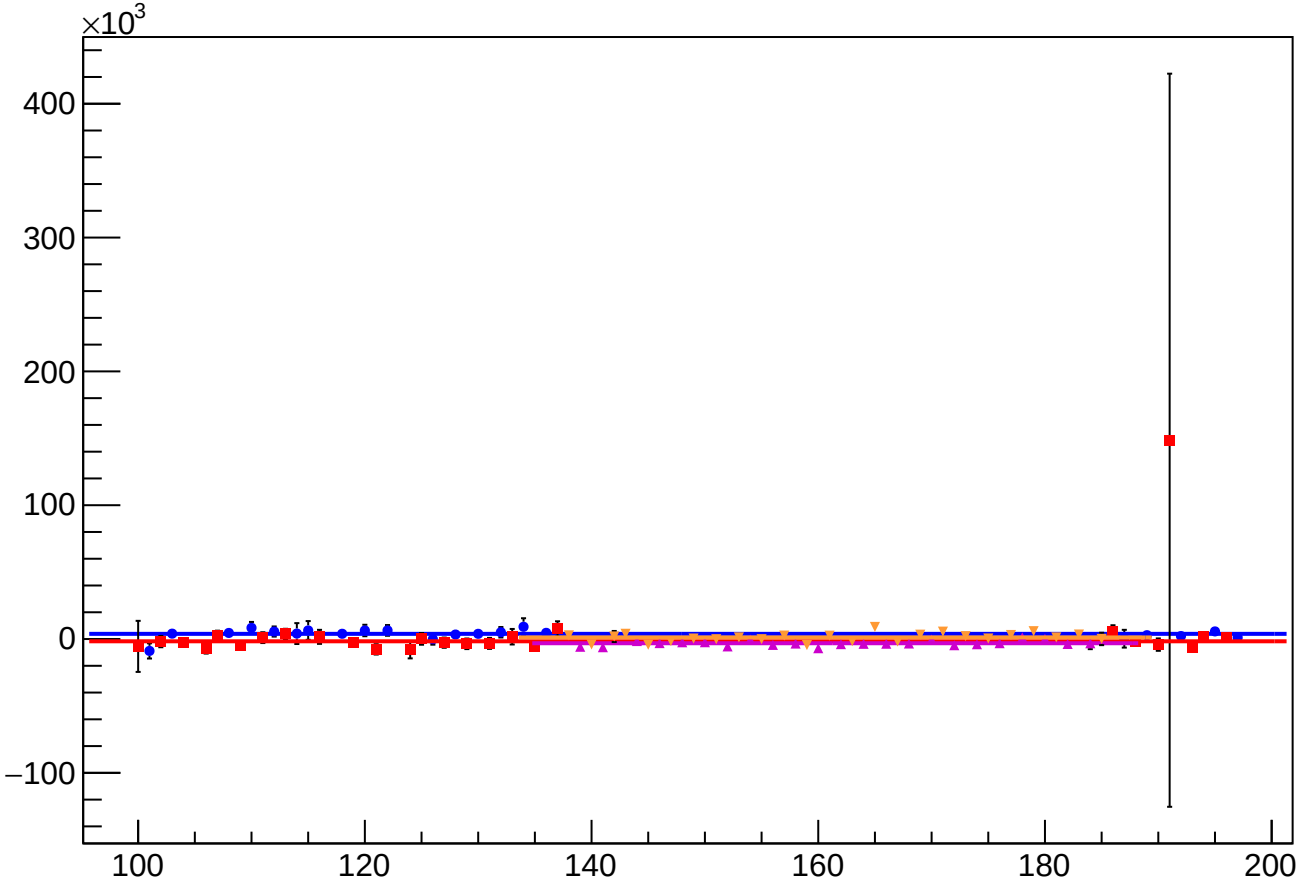
+ sign 0.000+/-0.000 χ^2/NDF: 31.3/45

All: 0.000+/-0.000 χ^2/NDF: 75.9/94

- sign 0.000+/-0.000 χ^2/NDF: 44.5/48


asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2699779.3/20
Left Out: 0.000+/-0.000 χ²/NDF:3070809.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 2856429.8/25
Left In: 0.000+/-0.000 χ²/NDF:2573277.3/22
+ sign 0.000+/-0.000 χ²/NDF: 8796817.1/45
All: 0.000+/-0.000 χ²/NDF: 17043209.0/94
- sign 0.000+/-0.000 χ²/NDF: 8180505.7/48

reg_asym_atr2_mean vs Slug



Right In: 3871.428+/-808.107 χ^2/NDF: 10.9/20

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1692.502+/-767.264 χ^2/NDF: 22.8/25

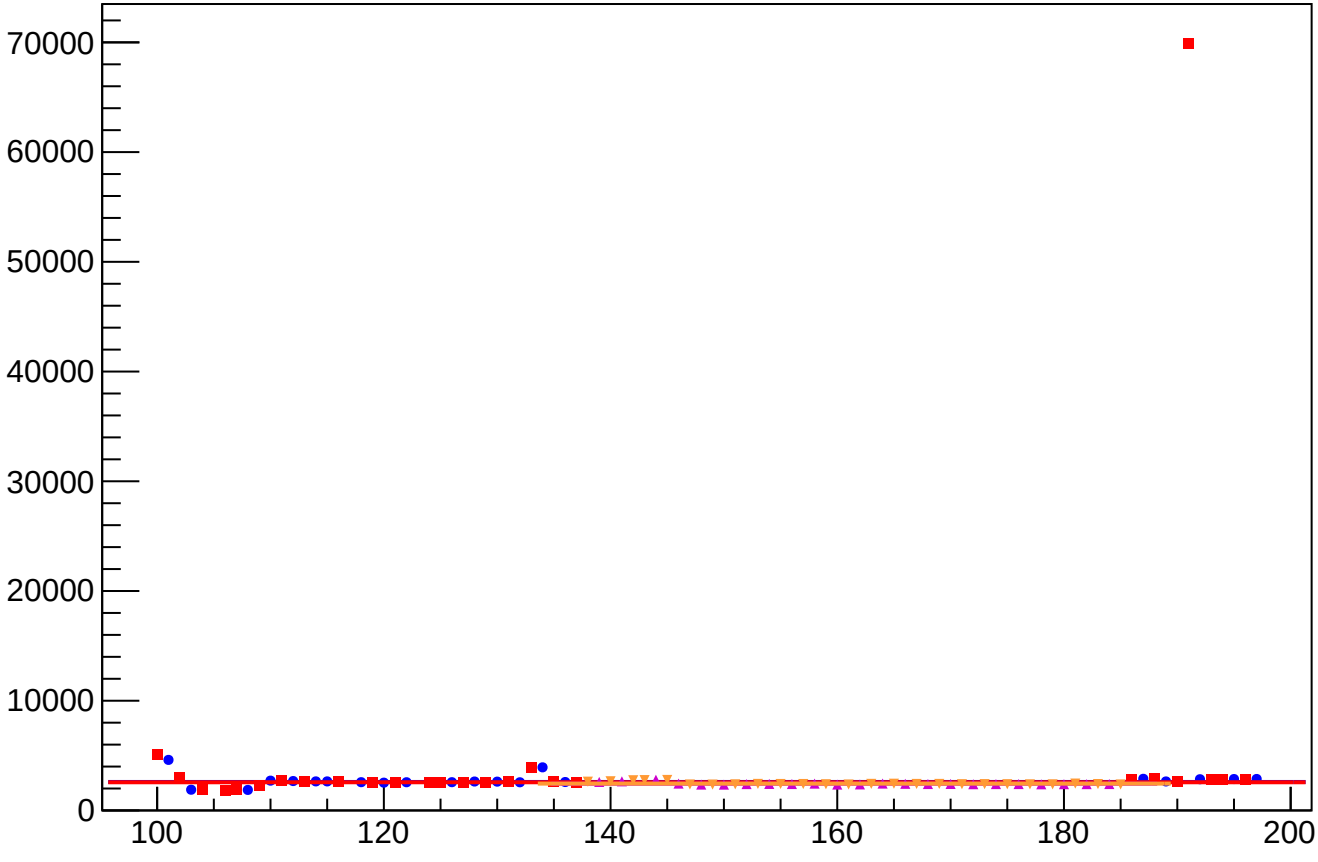
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2051.233+/-458.190 χ^2/NDF: 49.5/45

All: -295.152+/-323.621 χ^2/NDF: 139.6/94

- sign -2630.920+/-457.152 χ^2/NDF: 37.8/48

reg_asym_atr2_rms vs Slug



Right In: 2596.025+/-0.571 χ^2/NDF: 678105.3/20

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2569.196+/-0.543 χ^2/NDF: 694024.6/25

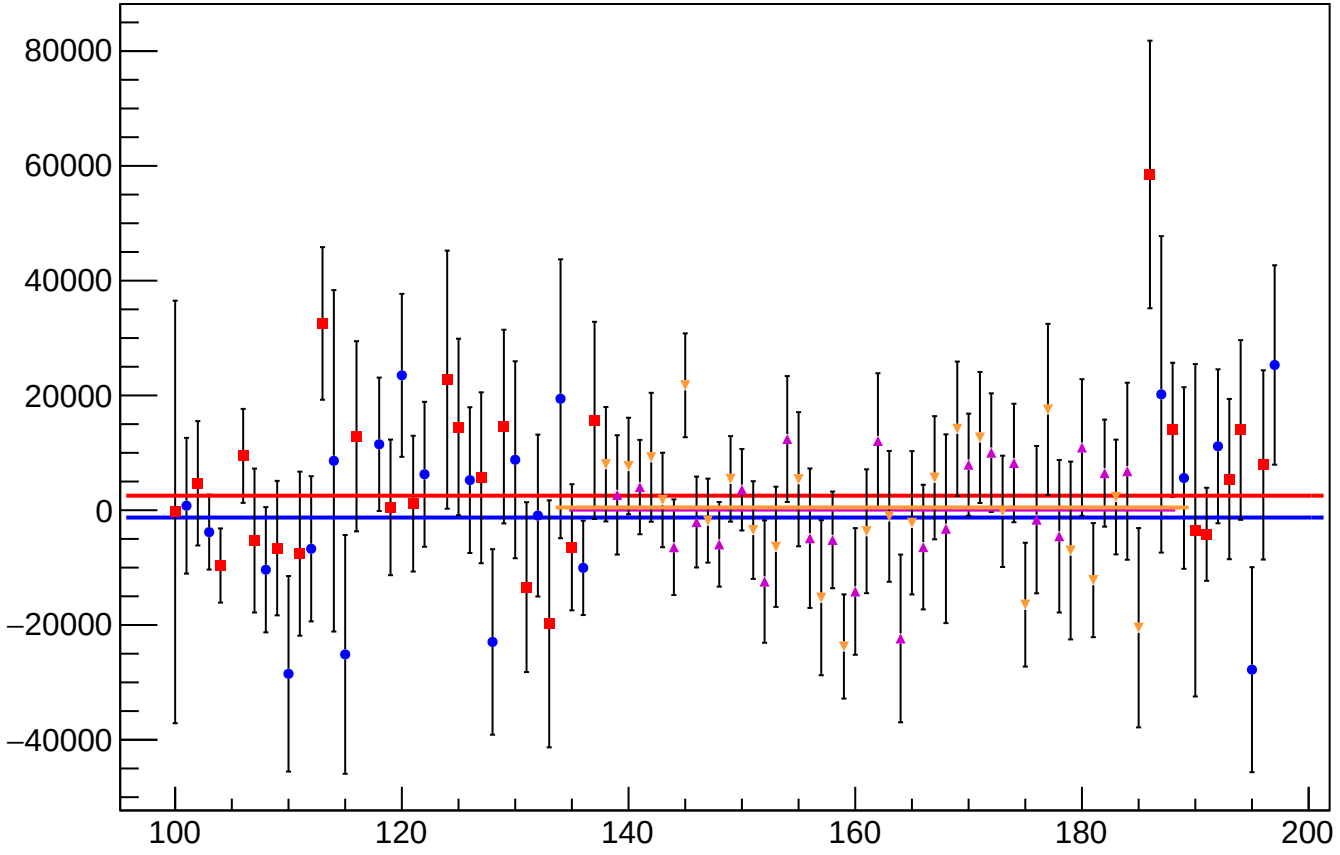
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2494.112+/-0.324 χ^2/NDF: 815000.8/45

All: 2488.670+/-0.229 χ^2/NDF: 1607683.6/94

- sign 2483.253+/-0.323 χ^2/NDF: 792119.8/48

asym_atr2_reg_correction_mean vs Slug



Right In: -1273.978+/-2850.935 χ^2/NDF: 20.1/20

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2534.775+/-2489.656 χ^2/NDF: 24.9/25

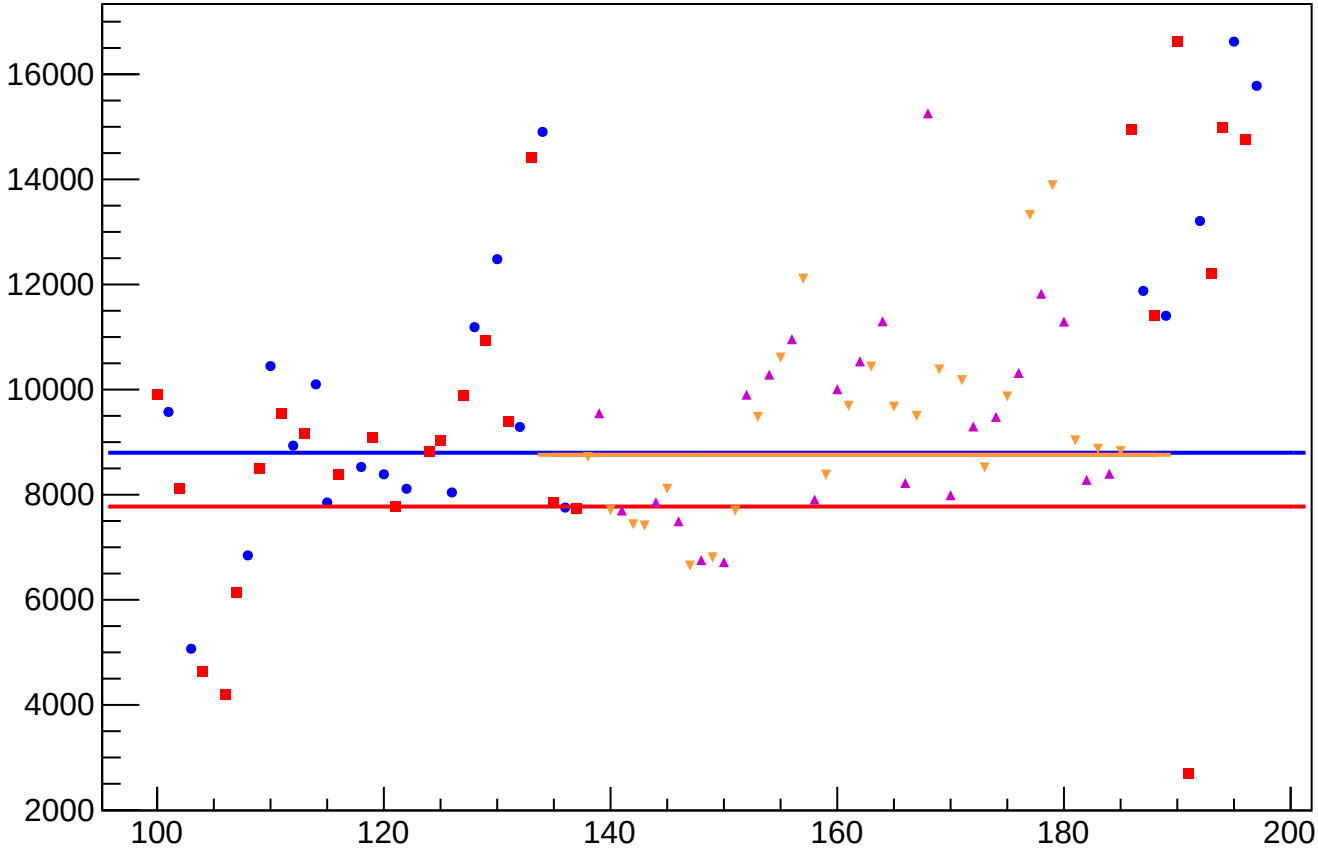
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -114.264+/-1656.850 χ^2/NDF: 47.8/45

All: 518.759+/-1151.369 χ^2/NDF: 88.0/94

- sign 1109.929+/-1601.142 χ^2/NDF: 40.0/48

asym_atr2_reg_correction_rms vs Slug



Right In: 8798.845+/-2.016 χ^2/NDF: 2066948.4/20

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 7774.782+/-1.760 χ^2/NDF: 3666740.8/25

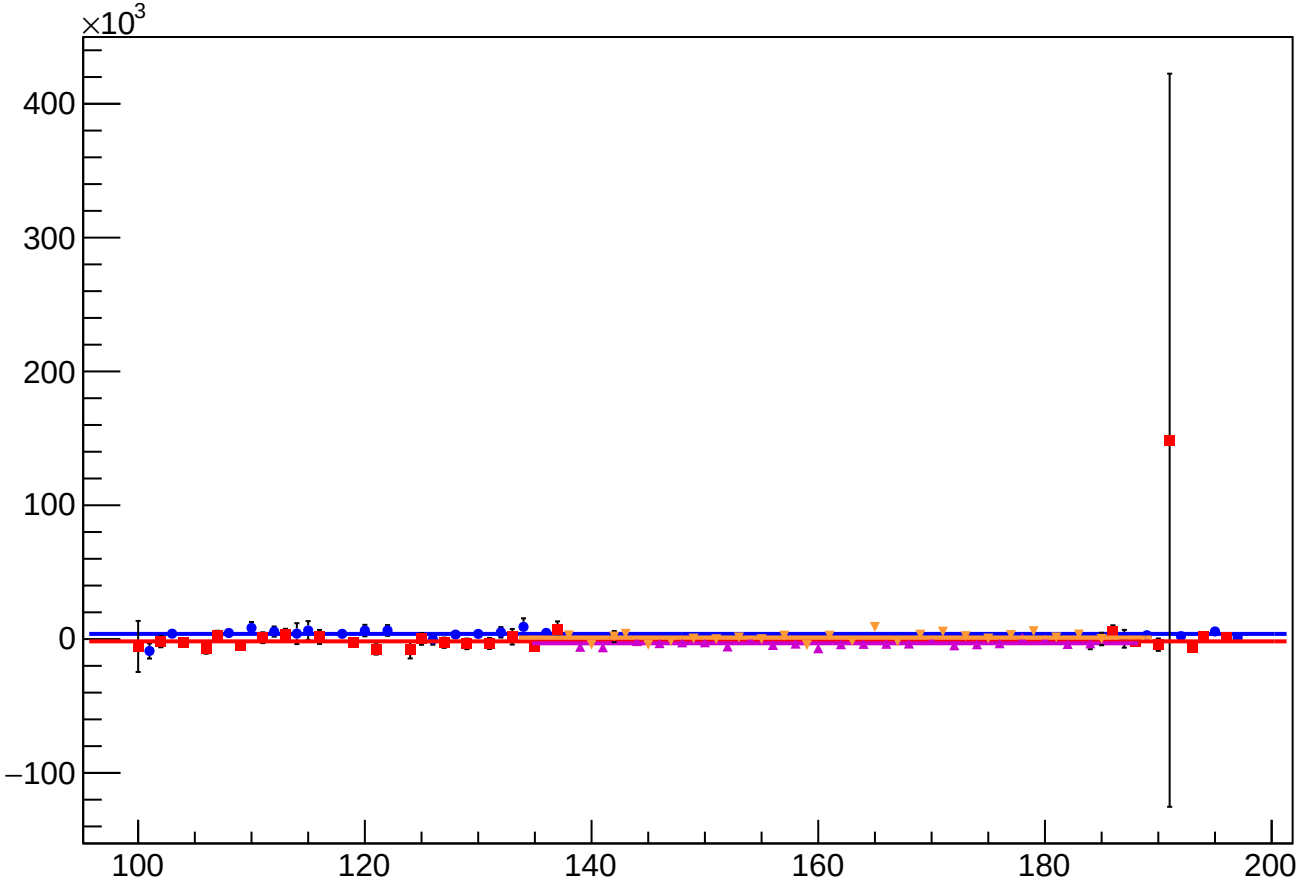
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8772.878+/-1.172 χ^2/NDF: 3289437.0/45

All: 8556.764+/-0.814 χ^2/NDF: 8498886.0/94

- sign 8354.939+/-1.132 χ^2/NDF: 5143643.9/48

cor_asym_atr2_mean vs Slug



Right In: 3871.155+/-808.107 χ^2/NDF: 10.9/20

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1692.925+/-767.268 χ^2/NDF: 22.8/25

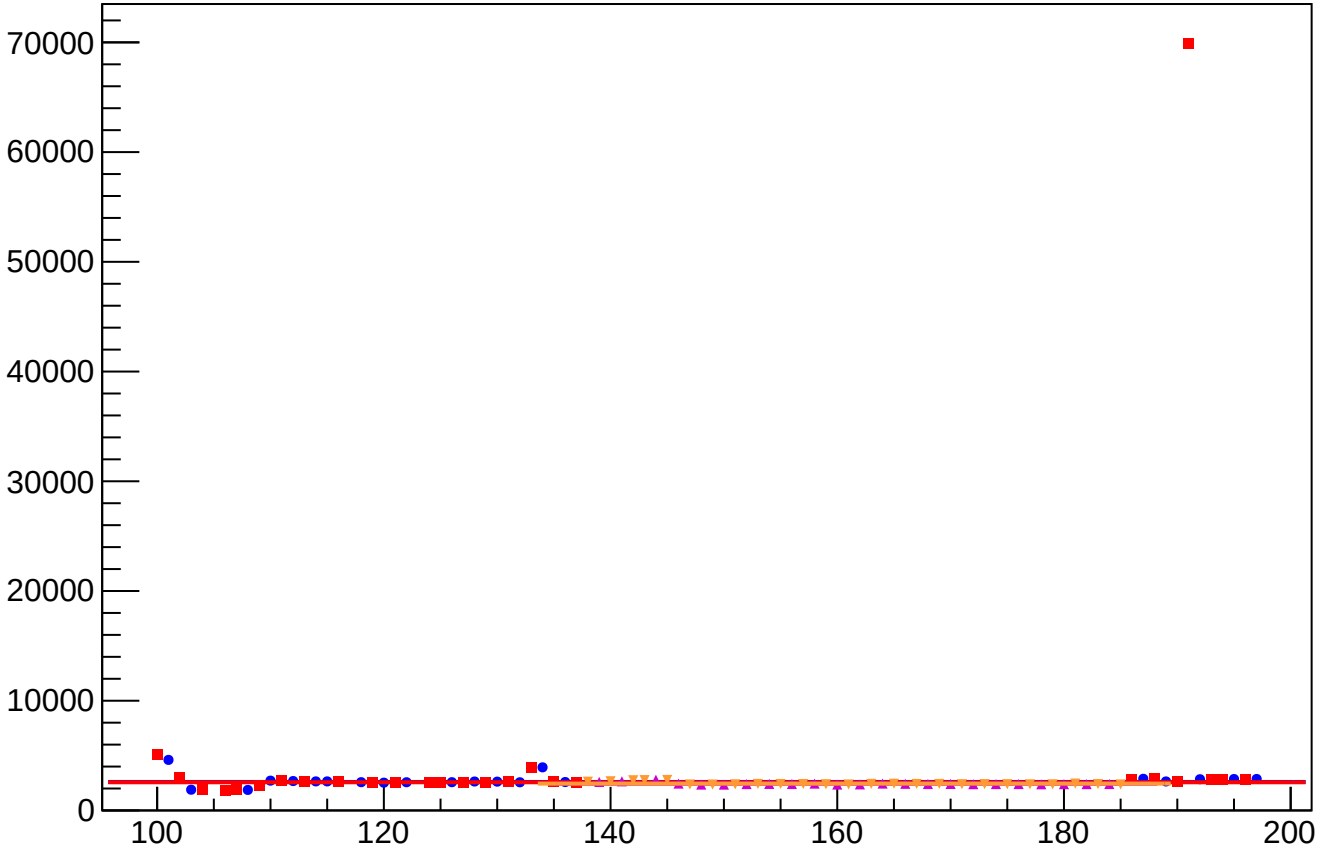
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2051.030+/-458.190 χ^2/NDF: 49.5/45

All: -295.263+/-323.622 χ^2/NDF: 139.7/94

- sign -2630.947+/-457.153 χ^2/NDF: 37.8/48

cor_asym_atr2_rms vs Slug



Right In: 2596.026+/-0.571 χ^2/NDF: 678102.7/20

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2569.214+/-0.543 χ^2/NDF: 693955.9/25

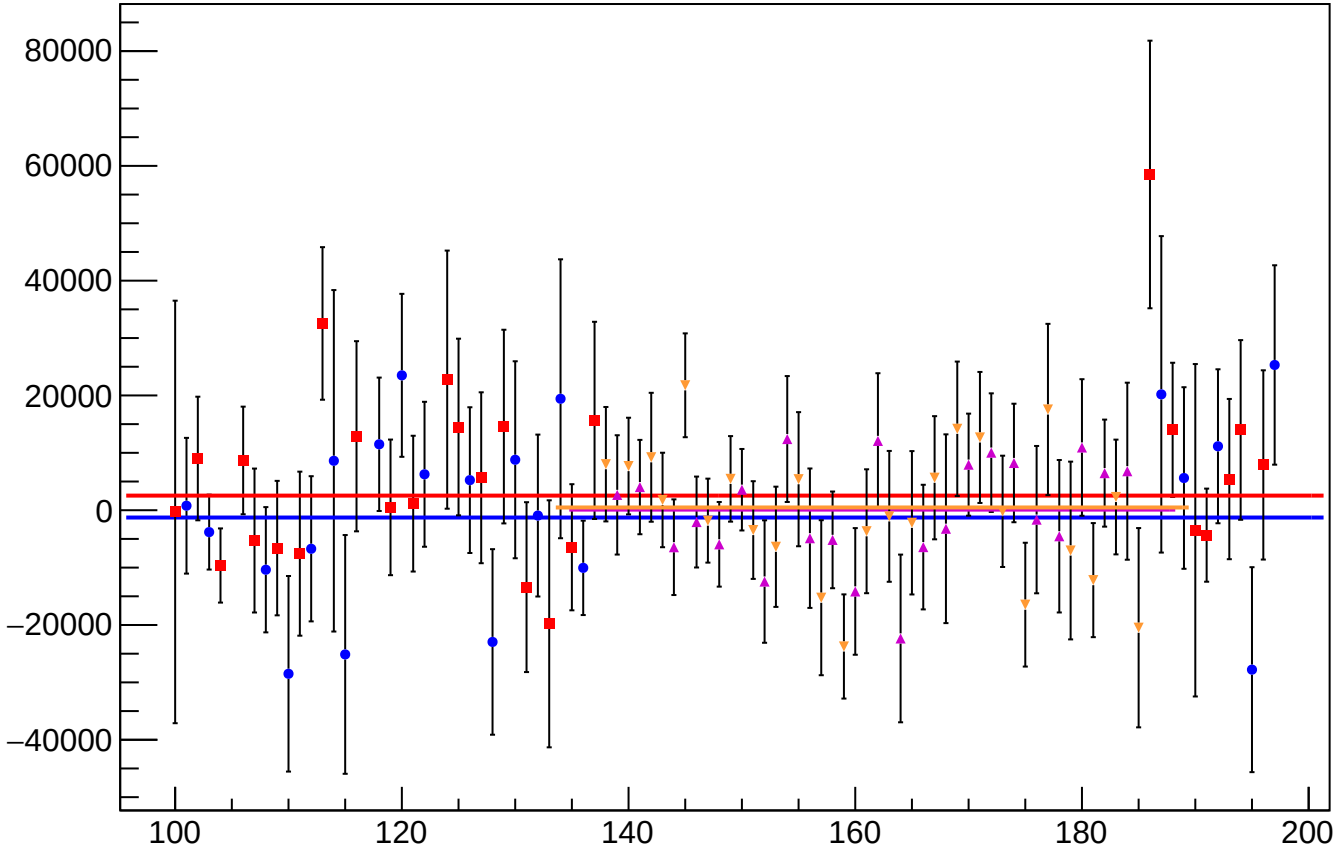
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2494.112+/-0.324 χ^2/NDF: 814998.7/45

All: 2488.673+/-0.229 χ^2/NDF: 1607622.5/94

- sign 2483.259+/-0.323 χ^2/NDF: 792061.5/48

asym_atr2_cor_correction_mean vs Slug



Right In: -1273.681+/-2851.006 χ^2/NDF: 20.1/20

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2545.716+/-2516.741 χ^2/NDF: 25.0/25

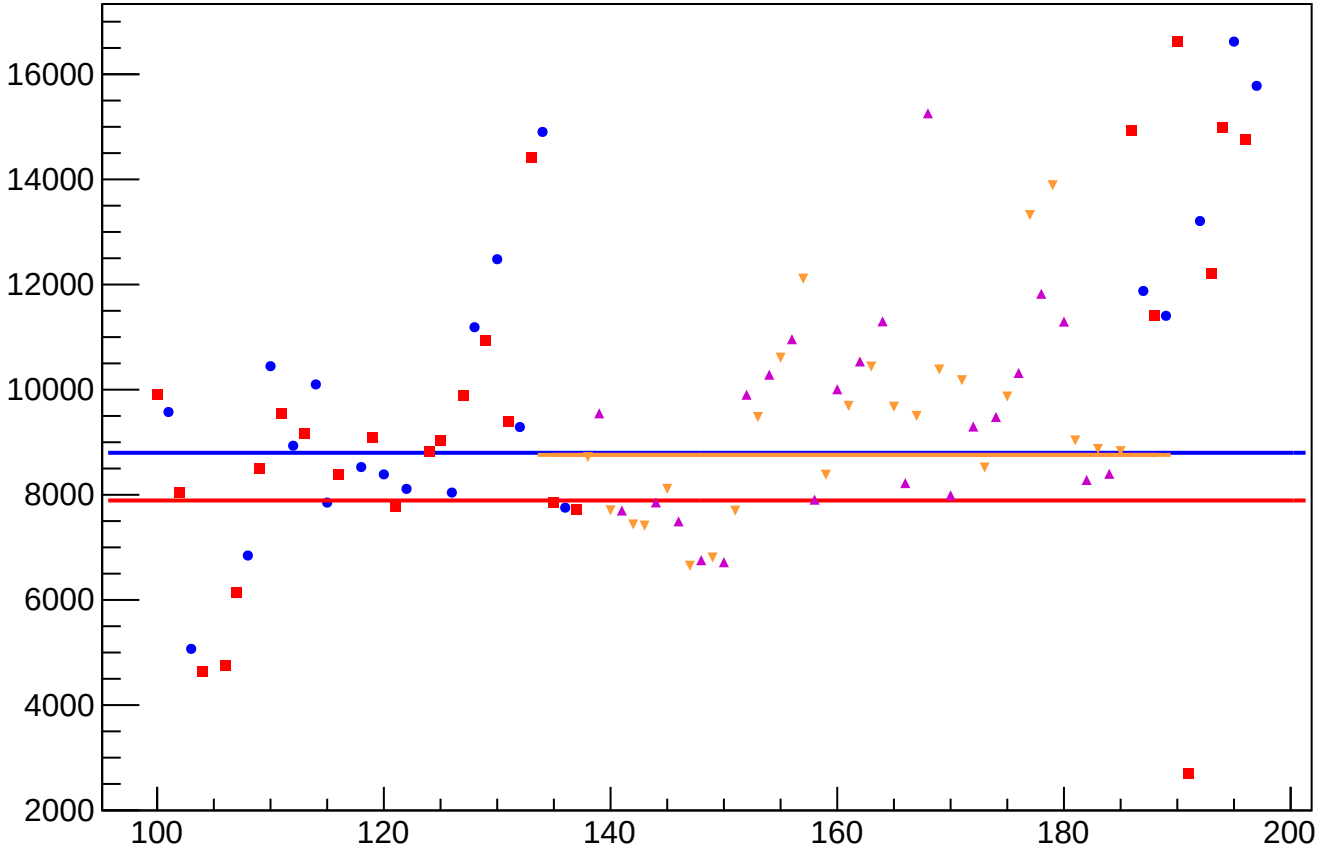
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -114.136+/-1656.862 χ^2/NDF: 47.8/45

All: 511.875+/-1154.018 χ^2/NDF: 88.1/94

- sign 1101.709+/-1608.277 χ^2/NDF: 40.0/48

asym_atr2_cor_correction_rms vs Slug



Right In: 8799.164+/-2.016 χ^2/NDF: 2066531.4/20

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7892.080+/-1.780 χ^2/NDF: 3485560.2/25

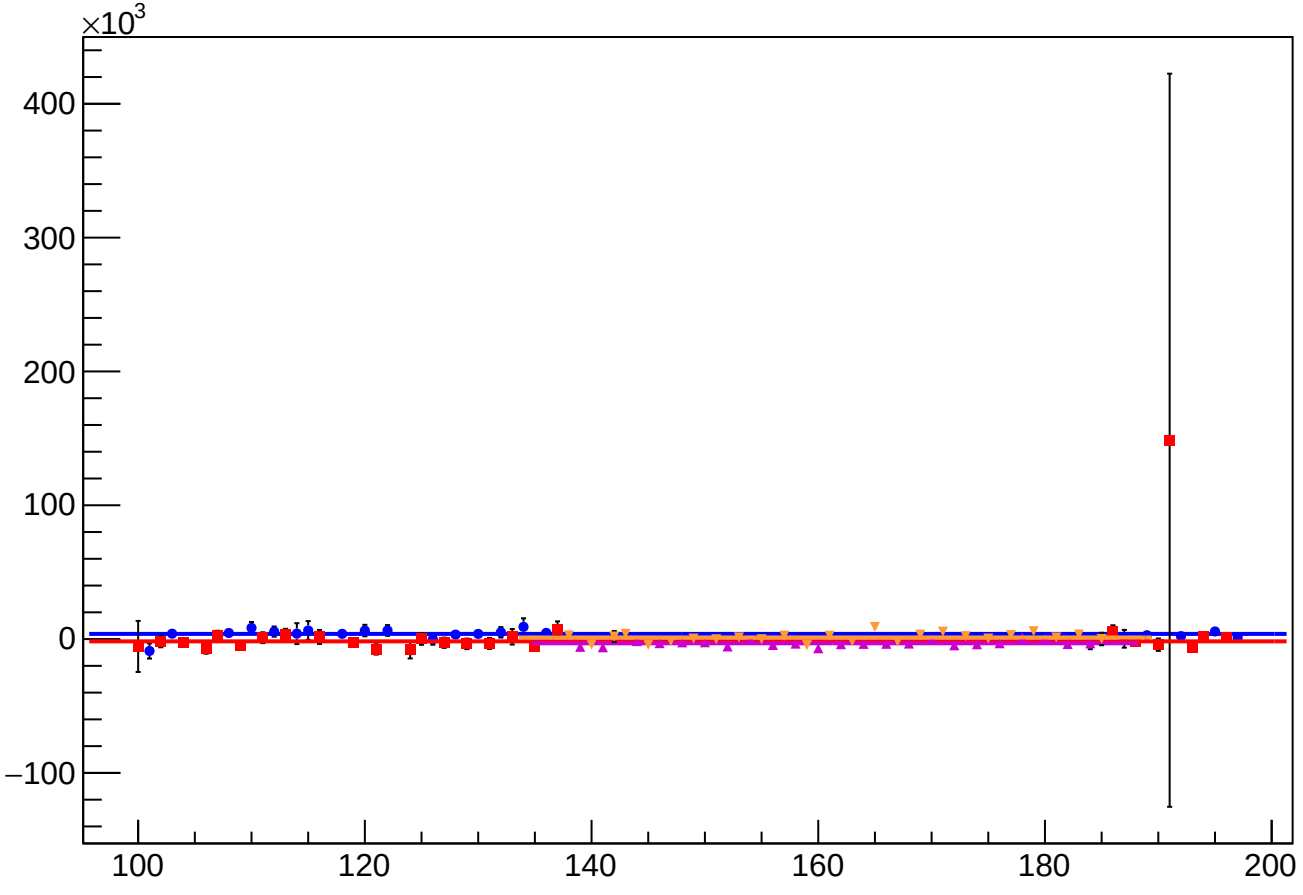
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

\+ sign 8772.979+/-1.172 χ^2/NDF: 3289035.0/45

All: 8585.069+/-0.816 χ^2/NDF: 8258326.8/94

\- sign 8408.019+/-1.137 χ^2/NDF: 4919328.5/48

eigen_cor_asym_atr2_mean vs Slug



Right In: 3871.155+/-808.107 χ^2/NDF: 10.9/20

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1692.925+/-767.268 χ^2/NDF: 22.8/25

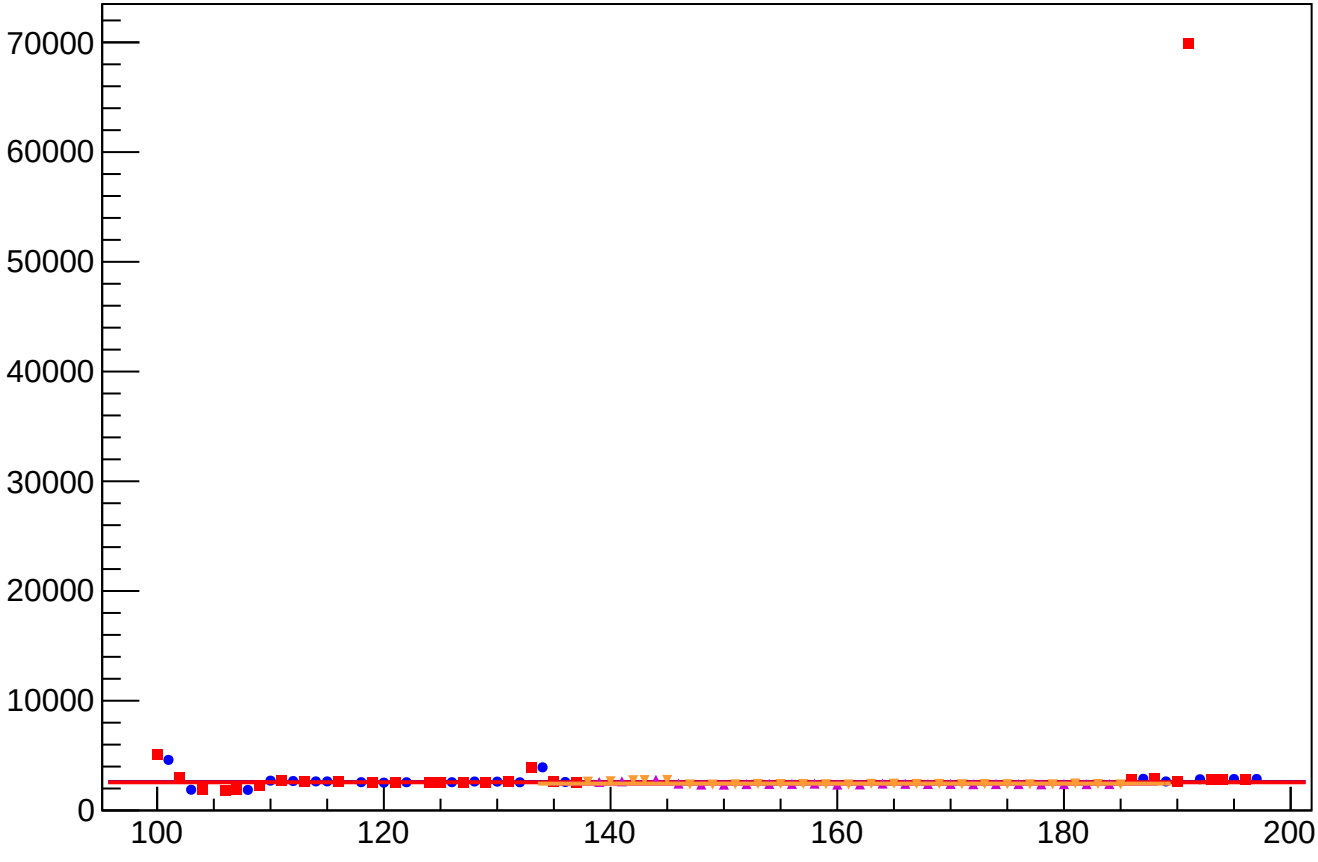
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2051.030+/-458.190 χ^2/NDF: 49.5/45

All: -295.263+/-323.622 χ^2/NDF: 139.7/94

- sign -2630.947+/-457.153 χ^2/NDF: 37.8/48

eigen_cor_asym_atr2_rms vs Slug



Right In: 2596.026+/-0.571 χ^2/NDF: 678102.7/20

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2569.214+/-0.543 χ^2/NDF: 693955.9/25

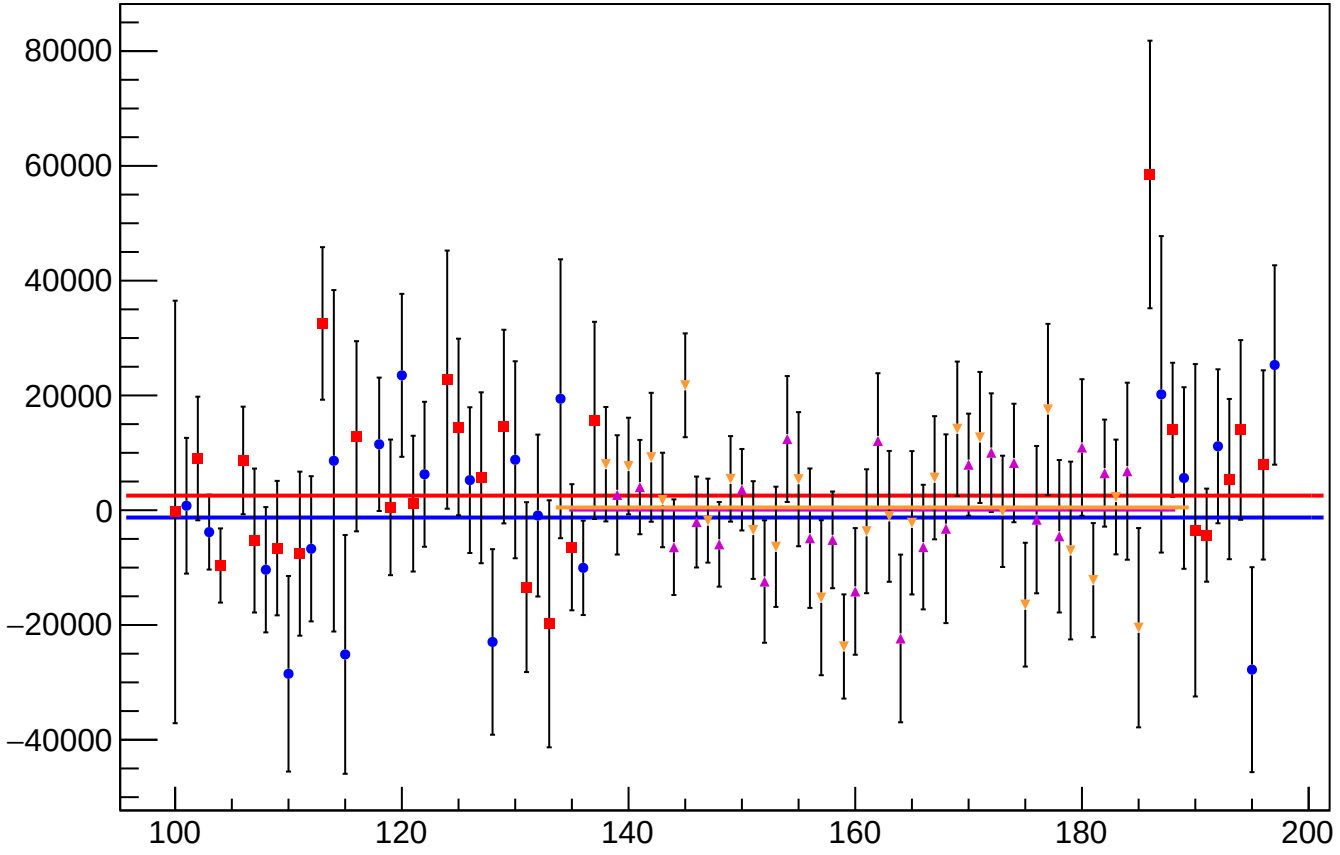
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

\+ sign 2494.112+/-0.324 χ^2/NDF: 814998.7/45

All: 2488.673+/-0.229 χ^2/NDF: 1607622.5/94

\- sign 2483.259+/-0.323 χ^2/NDF: 792061.5/48

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -1273.681+/-2851.006 χ^2/NDF: 20.1/20

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2545.716+/-2516.741 χ^2/NDF: 25.0/25

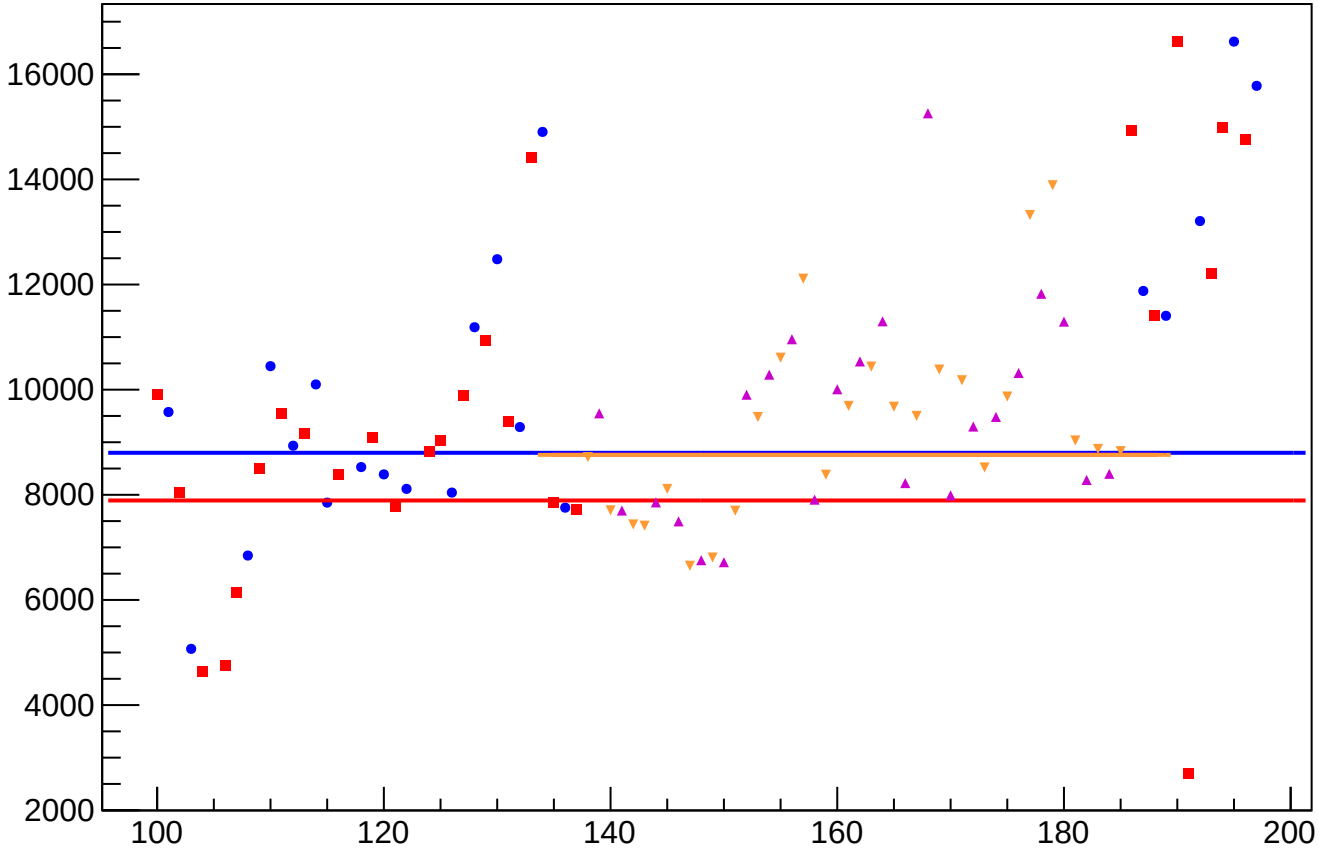
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -114.136+/-1656.862 χ^2/NDF: 47.8/45

All: 511.875+/-1154.018 χ^2/NDF: 88.1/94

- sign 1101.709+/-1608.277 χ^2/NDF: 40.0/48

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 8799.164+/-2.016 χ^2/NDF: 2066531.4/20

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7892.080+/-1.780 χ^2/NDF: 3485560.2/25

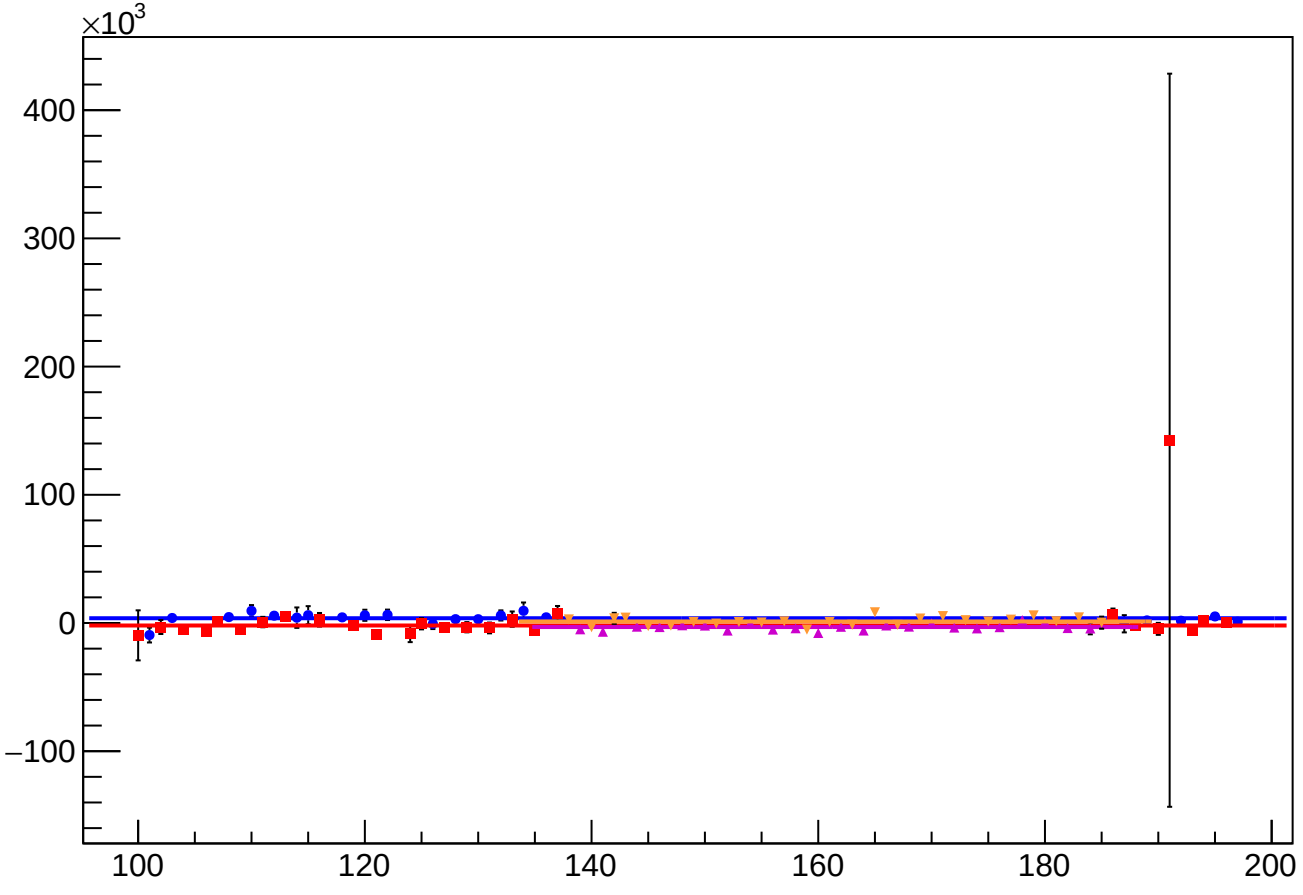
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8772.979+/-1.172 χ^2/NDF: 3289035.0/45

All: 8585.069+/-0.816 χ^2/NDF: 8258326.8/94

- sign 8408.019+/-1.137 χ^2/NDF: 4919328.5/48

dit_asym_atr2_mean vs Slug



Right In: 3716.324+/-837.866 χ^2/NDF: 12.3/20

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1950.611+/-796.114 χ^2/NDF: 26.1/25

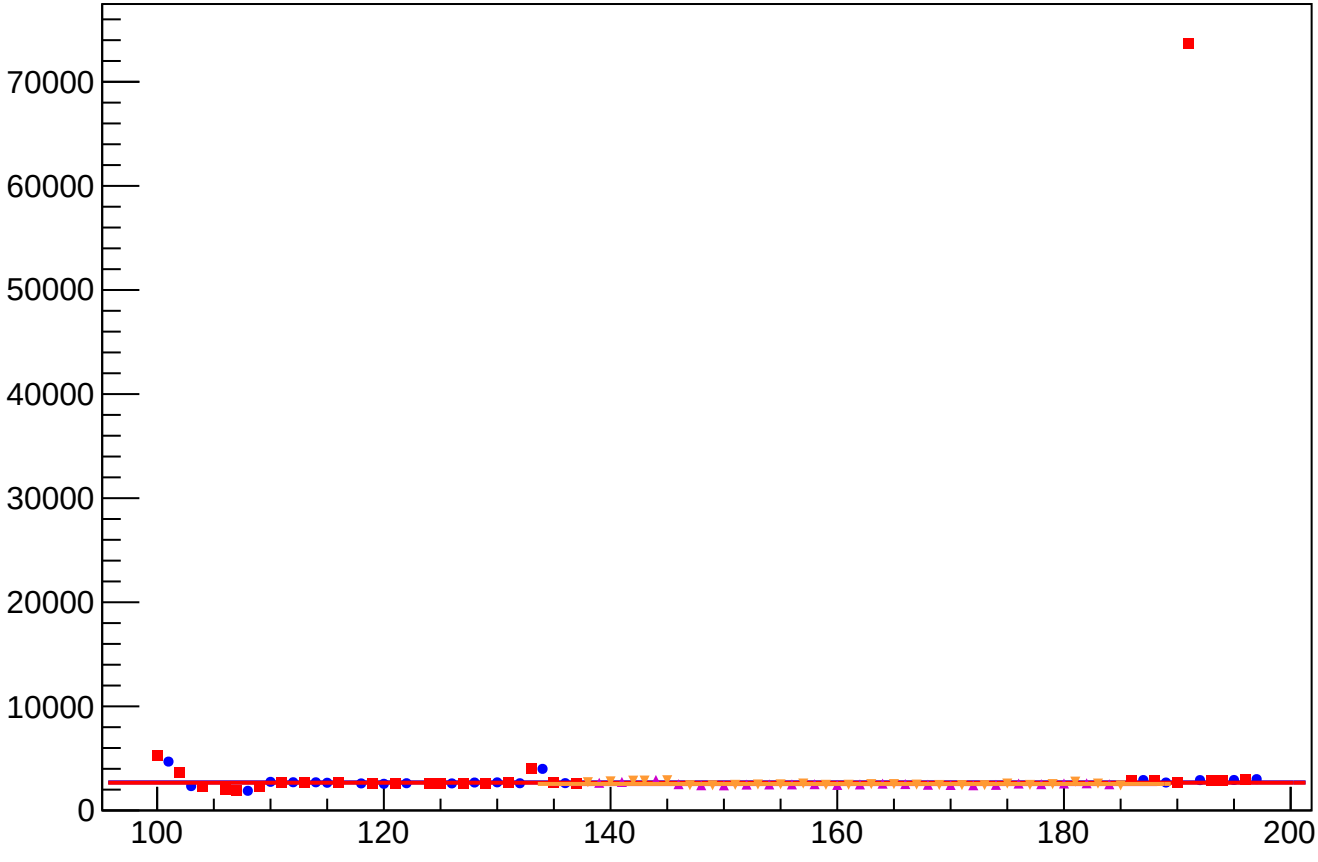
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2023.972+/-476.717 χ^2/NDF: 45.2/45

All: -357.514+/-336.521 χ^2/NDF: 138.9/94

- sign -2722.999+/-475.113 χ^2/NDF: 44.0/48

dit_asym_atr2_rms vs Slug



Right In: 2699.935+/-0.592 χ^2/NDF: 539946.8/20

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2664.938+/-0.563 χ^2/NDF: 603376.9/25

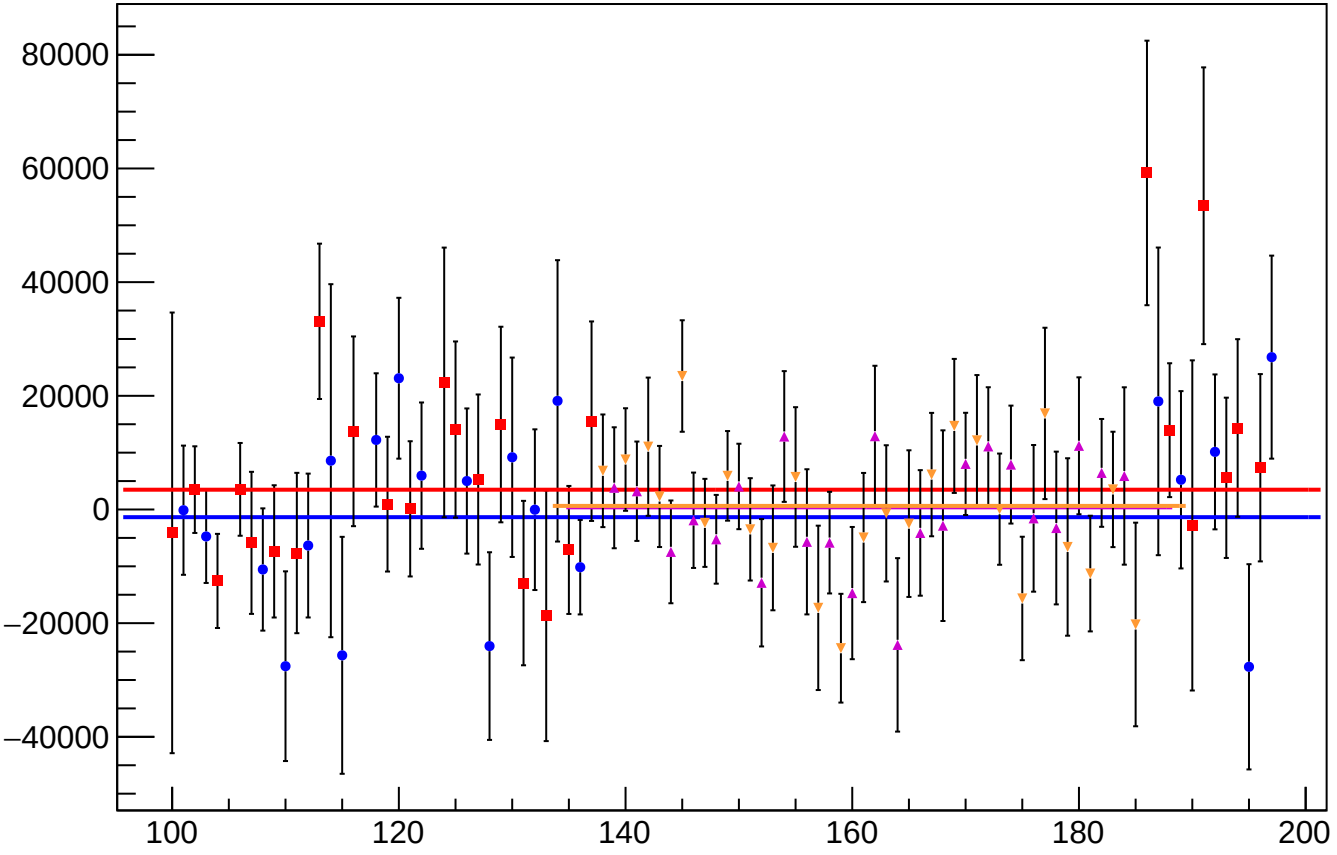
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2596.613+/-0.337 χ^2/NDF: 702217.2/45

All: 2588.211+/-0.238 χ^2/NDF: 1410780.9/94

- sign 2579.868+/-0.336 χ^2/NDF: 707325.7/48

asym_atr2_dit_correction_mean vs Slug



Right In: -1351.030+/-2961.500 χ^2/NDF: 20.0/20

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 3480.987+/-2618.071 χ^2/NDF: 27.6/25

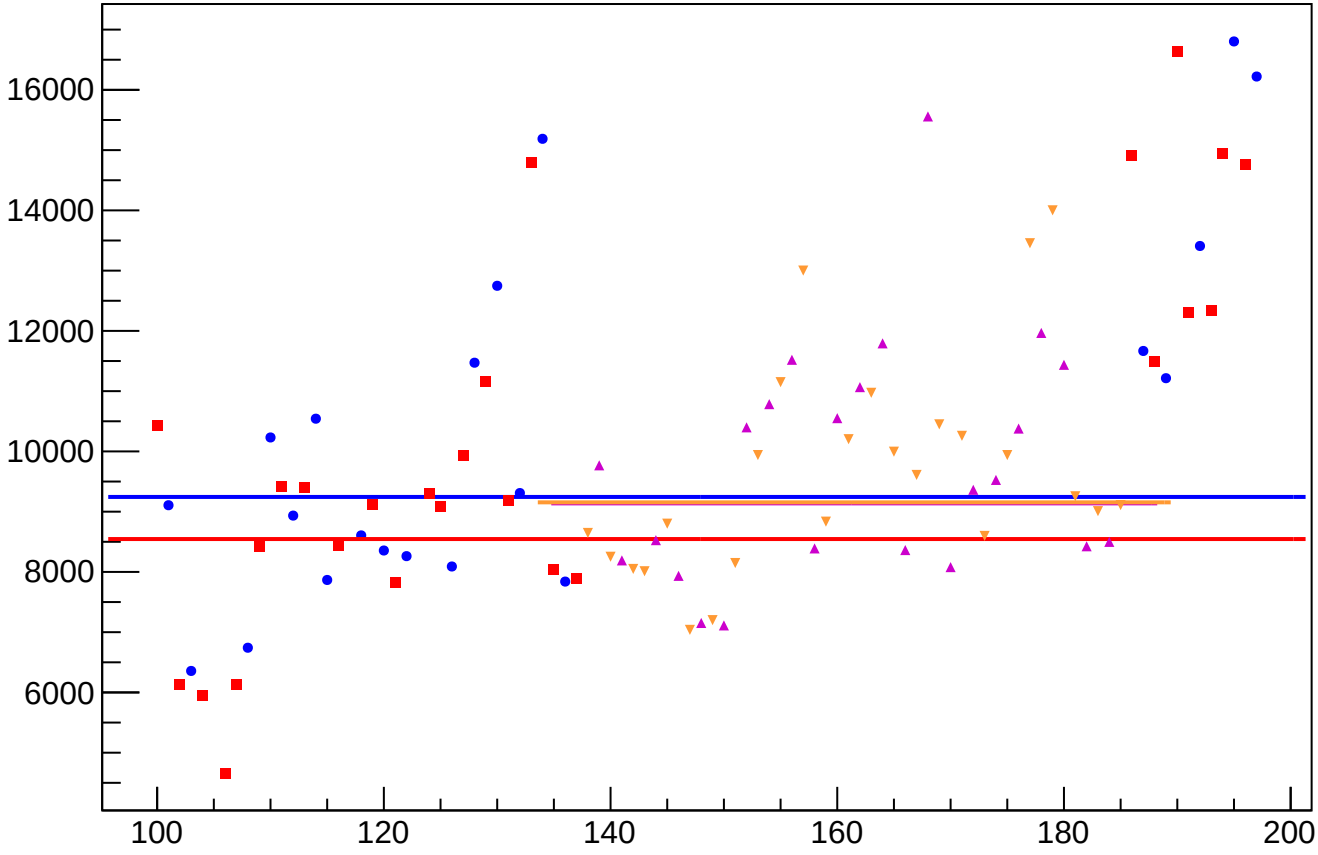
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -41.611+/-1725.502 χ^2/NDF: 47.0/45

All: 827.937+/-1201.346 χ^2/NDF: 90.2/94

- sign 1645.966+/-1673.606 χ^2/NDF: 42.7/48

asym_atr2_dit_correction_rms vs Slug



Right In: 9244.386+/-2.094 χ^2/NDF: 1599107.0/20

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 8545.709+/-1.851 χ^2/NDF: 2442472.5/25

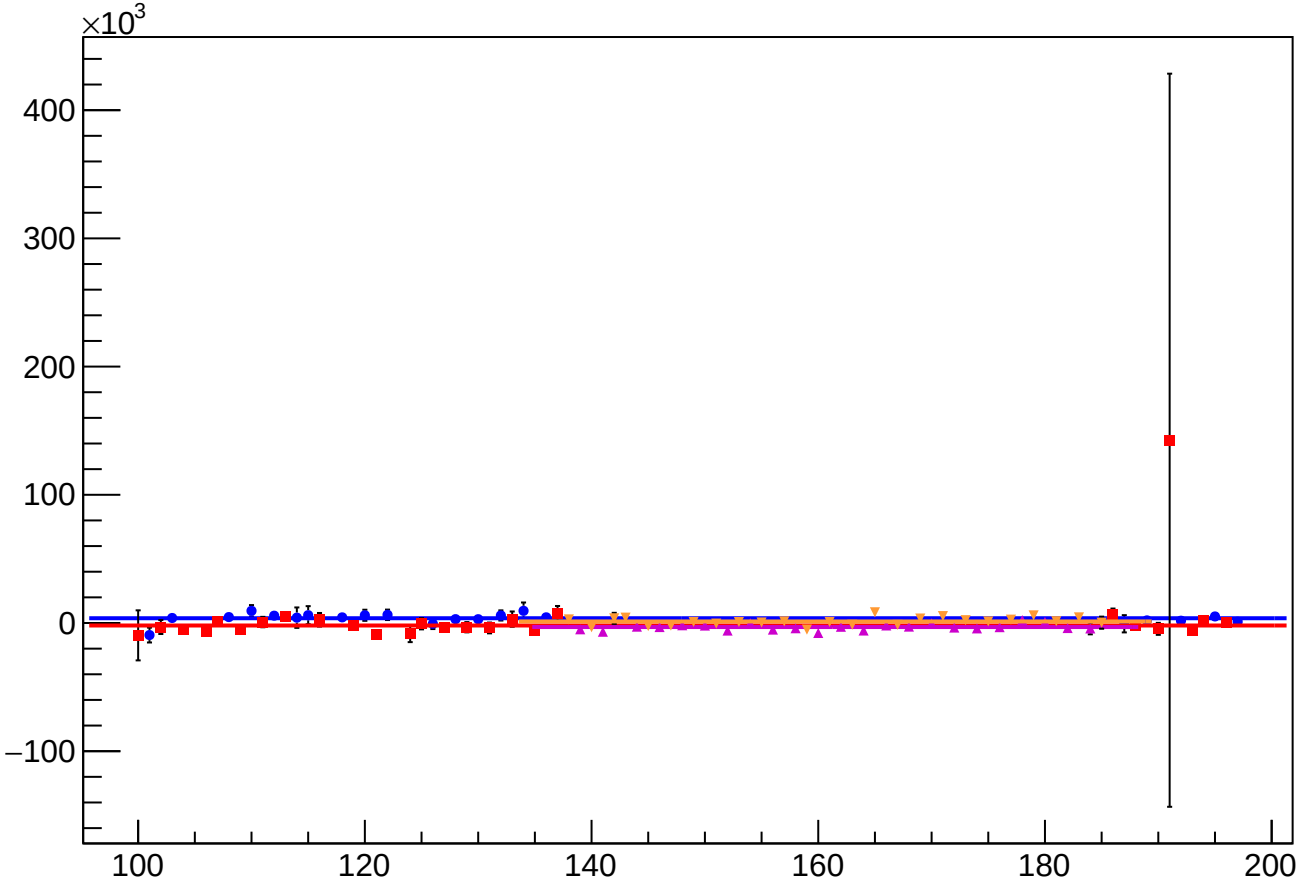
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9185.138+/-1.220 χ^2/NDF: 2672392.8/45

All: 9036.009+/-0.849 χ^2/NDF: 6377096.4/94

- sign 8895.714+/-1.183 χ^2/NDF: 3675710.4/48

eigen_dit_asym_atr2_mean vs Slug



Right In: 3716.326+/-837.866 χ^2/NDF: 12.3/20

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1950.616+/-796.114 χ^2/NDF: 26.1/25

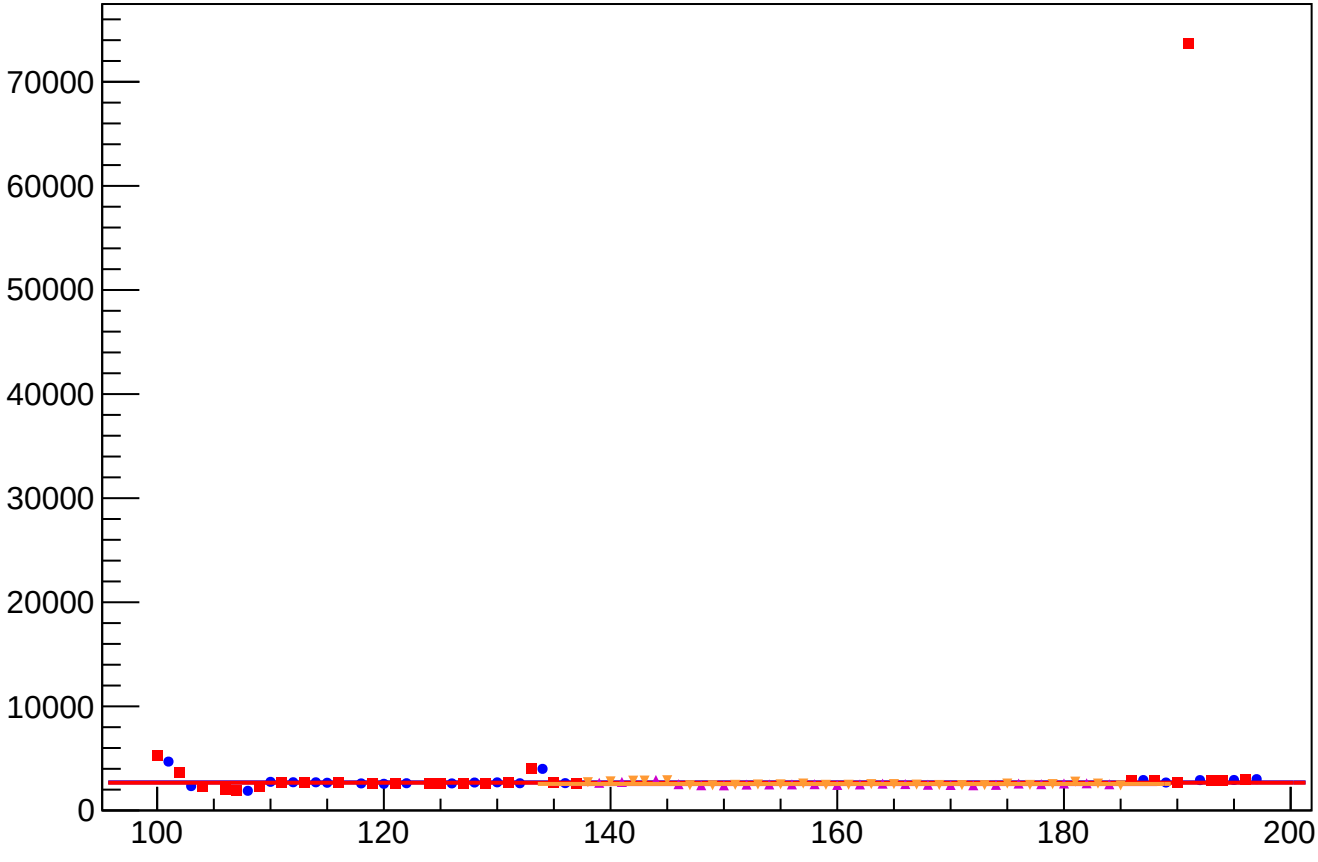
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2023.966+/-476.717 χ^2/NDF: 45.2/45

All: -357.517+/-336.521 χ^2/NDF: 138.9/94

- sign -2722.999+/-475.113 χ^2/NDF: 44.0/48

eigen_dit_asym_atr2_rms vs Slug



Right In: 2699.934+/-0.592 χ^2/NDF: 539947.1/20

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2664.938+/-0.563 χ^2/NDF: 603376.4/25

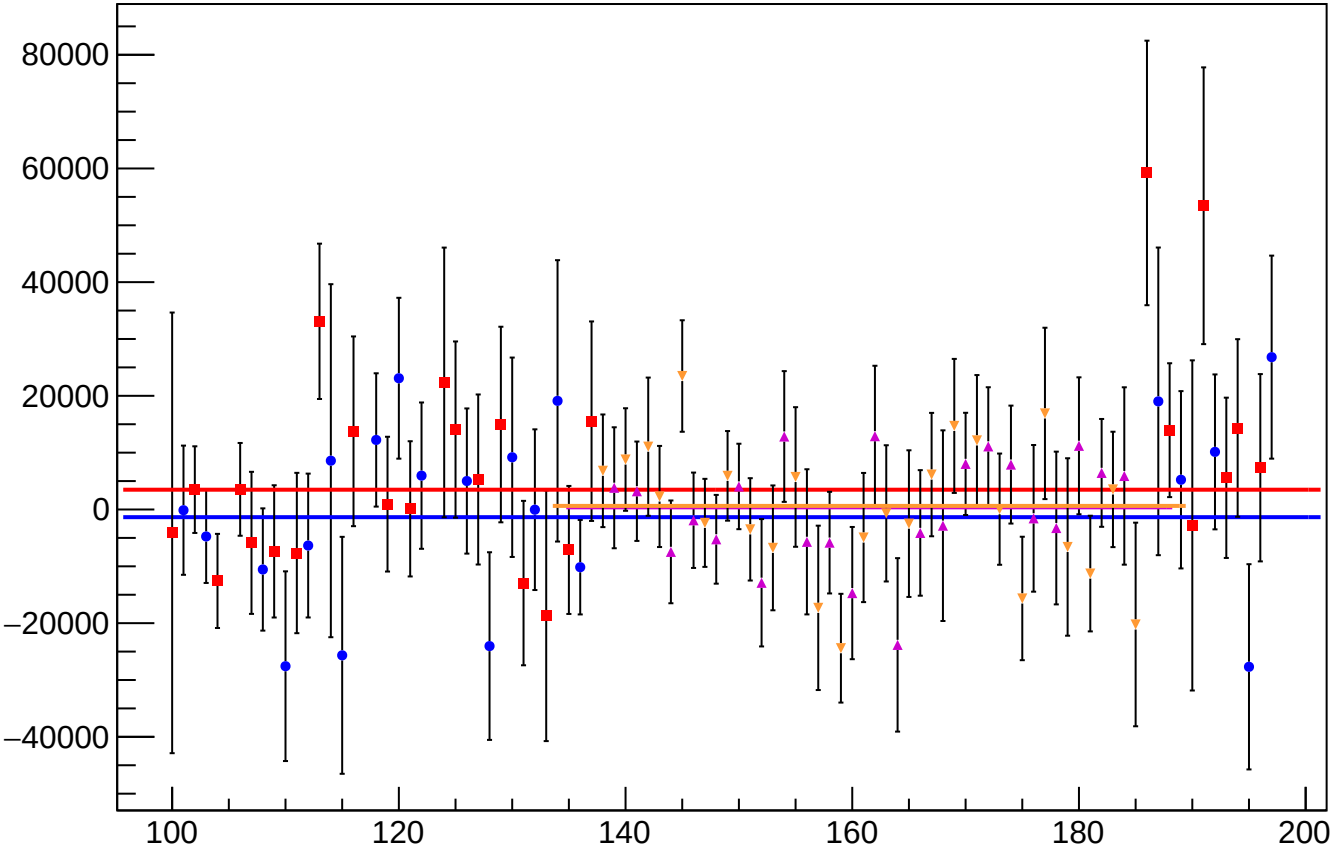
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2596.613+/-0.337 χ^2/NDF: 702215.9/45

All: 2588.212+/-0.238 χ^2/NDF: 1410777.8/94

- sign 2579.869+/-0.336 χ^2/NDF: 707323.9/48

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -1351.002+/-2961.497 χ^2/NDF: 20.0/20

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 3480.976+/-2618.068 χ^2/NDF: 27.6/25

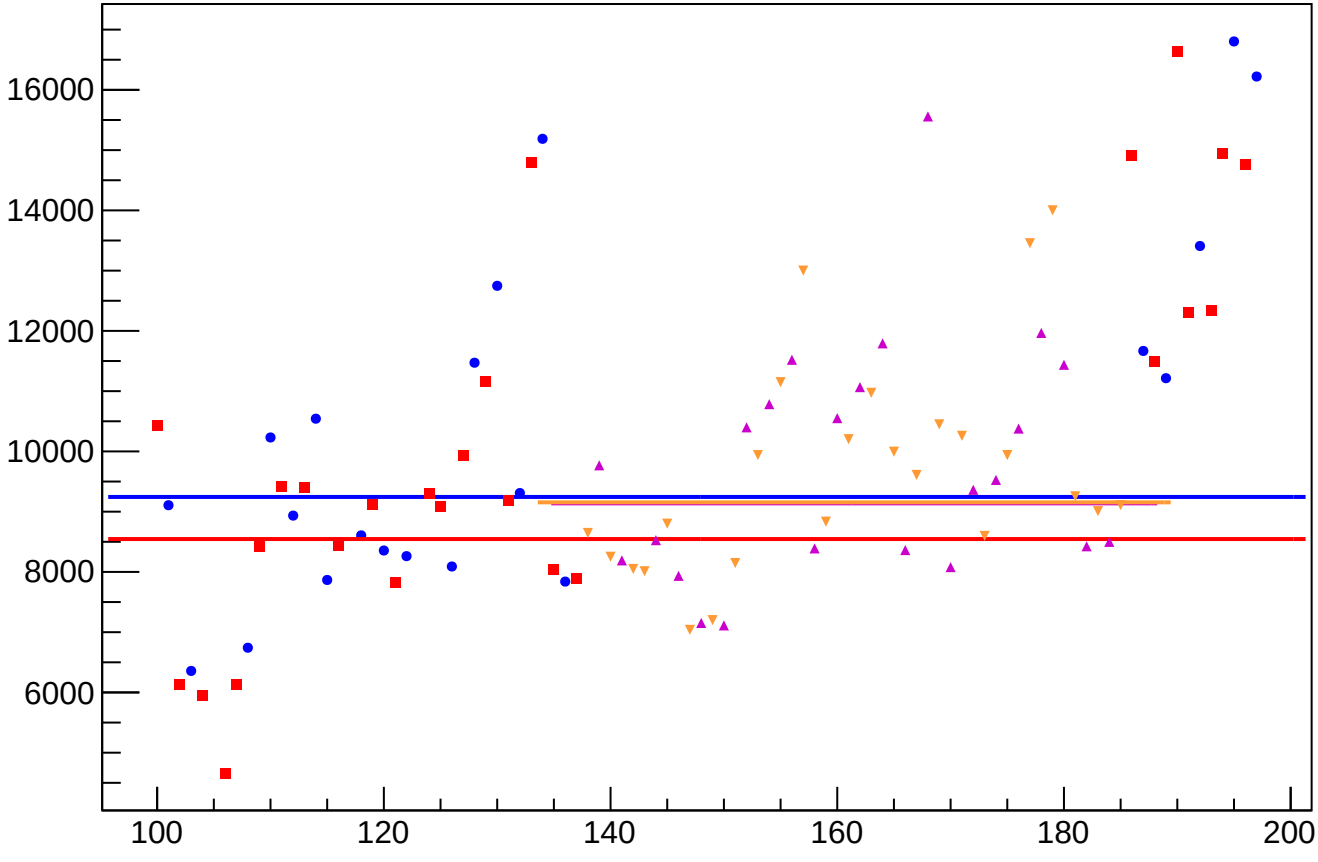
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign -41.607+/-1725.503 χ^2/NDF: 47.0/45

All: 827.940+/-1201.347 χ^2/NDF: 90.2/94

- sign 1645.969+/-1673.606 χ^2/NDF: 42.7/48

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 9244.376+/-2.094 χ^2/NDF: 1599108.0/20

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 8545.698+/-1.851 χ^2/NDF: 2442475.3/25

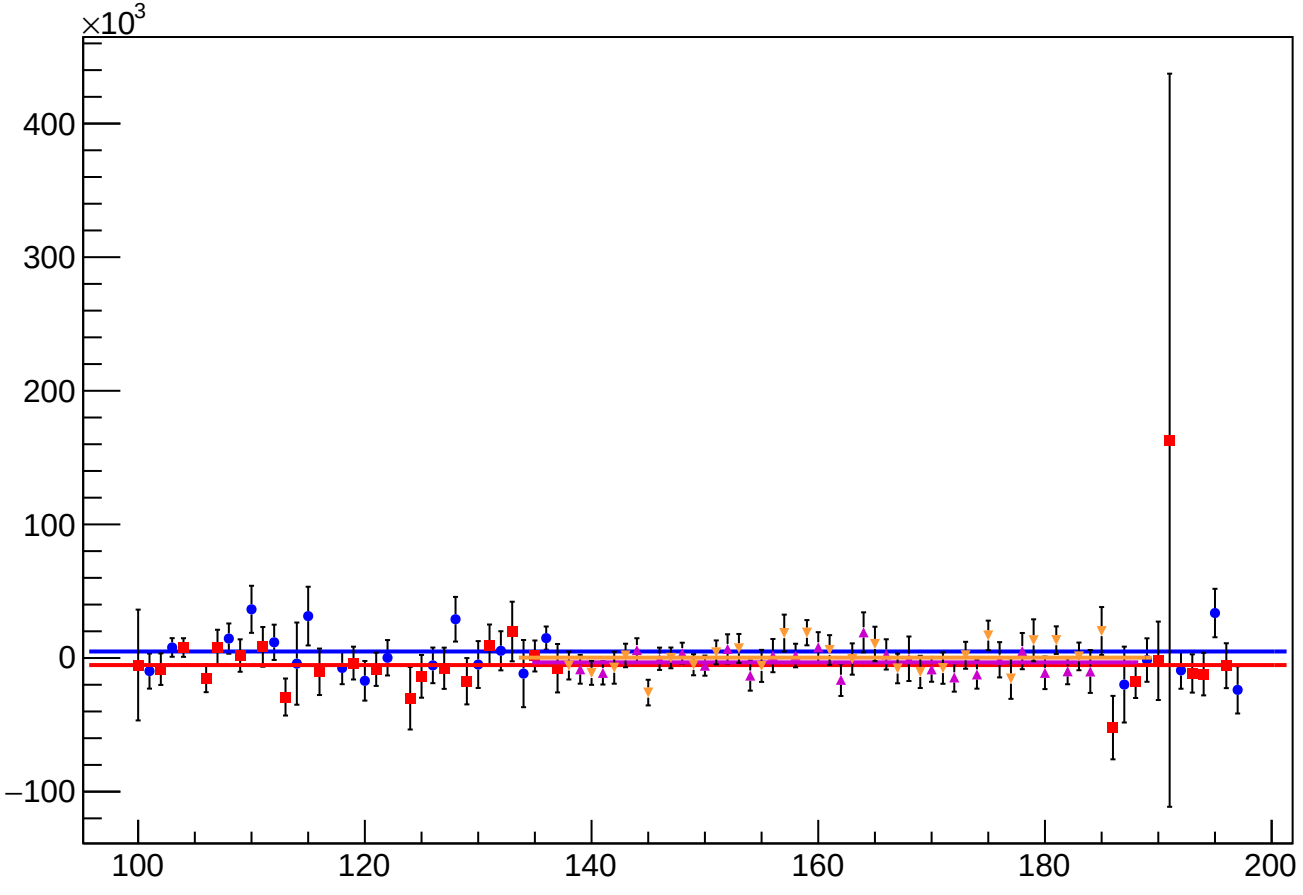
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9185.145+/-1.220 χ^2/NDF: 2672395.2/45

All: 9036.013+/-0.849 χ^2/NDF: 6377111.5/94

- sign 8895.717+/-1.183 χ^2/NDF: 3675722.3/48

asym_atr2_mean vs Slug



Right In: 4894.954+/-2990.101 χ^2/NDF: 22.4/20

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -5275.548+/-2791.512 χ^2/NDF: 20.1/25

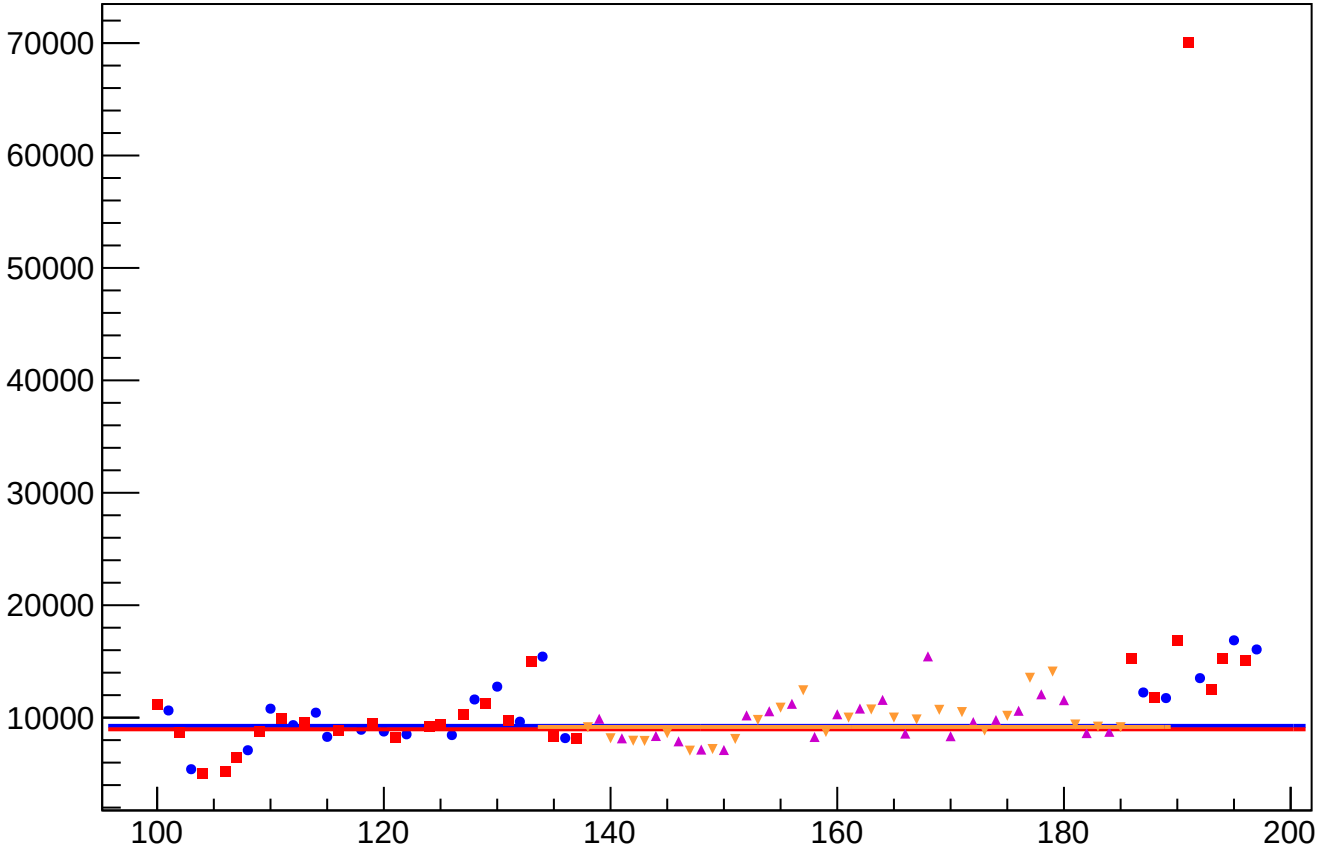
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1839.031+/-1732.342 χ^2/NDF: 50.3/45

All: -1108.216+/-1219.876 χ^2/NDF: 90.0/94

- sign -4007.125+/-1718.076 χ^2/NDF: 33.9/48

asym_atr2_rms vs Slug



Right In: 9267.472+/-2.114 χ^2/NDF: 1925657.0/20

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 8962.324+/-1.974 χ^2/NDF: 2433218.3/25

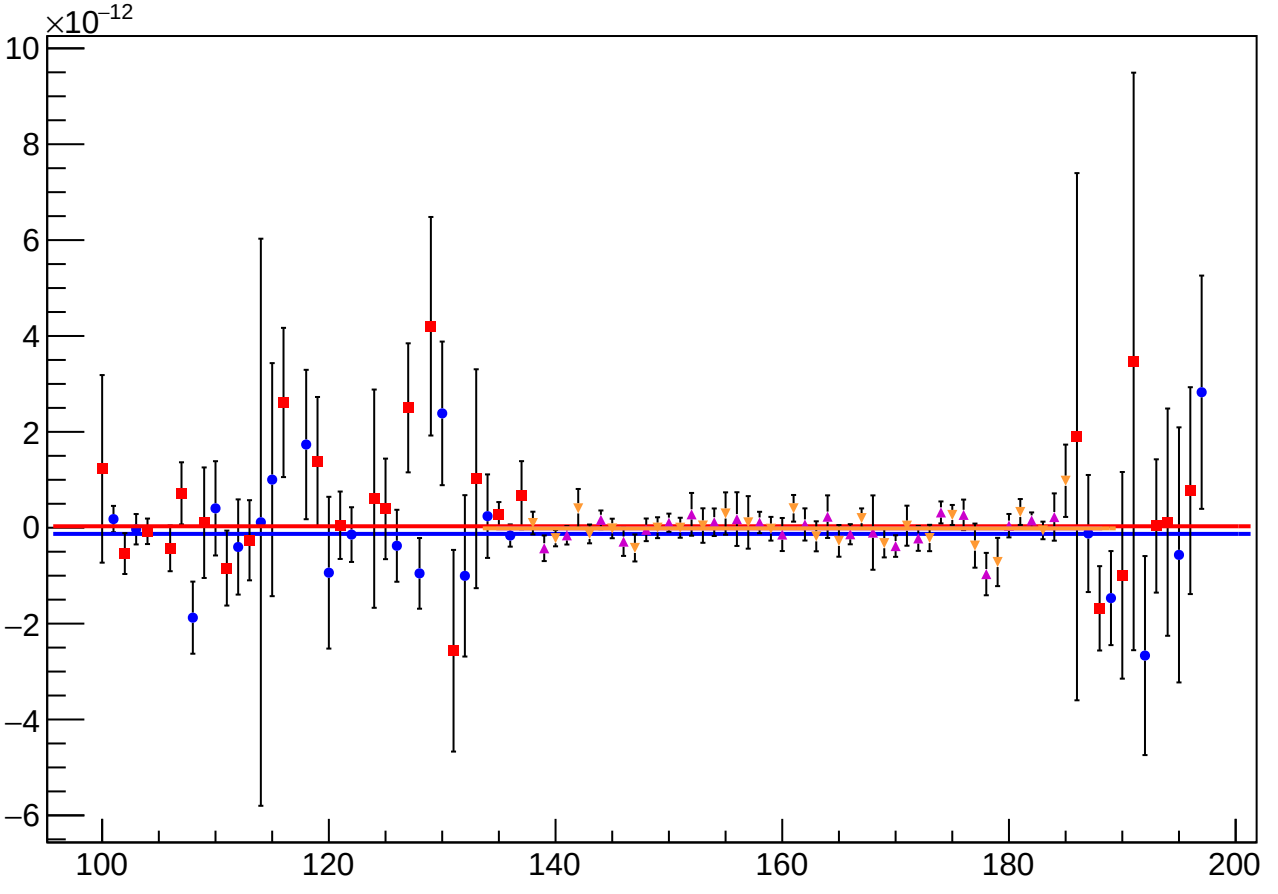
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9204.595+/-1.225 χ^2/NDF: 2983935.1/45

All: 9145.075+/-0.863 χ^2/NDF: 6555744.6/94

- sign 9086.532+/-1.215 χ^2/NDF: 3567126.4/48

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.3/25

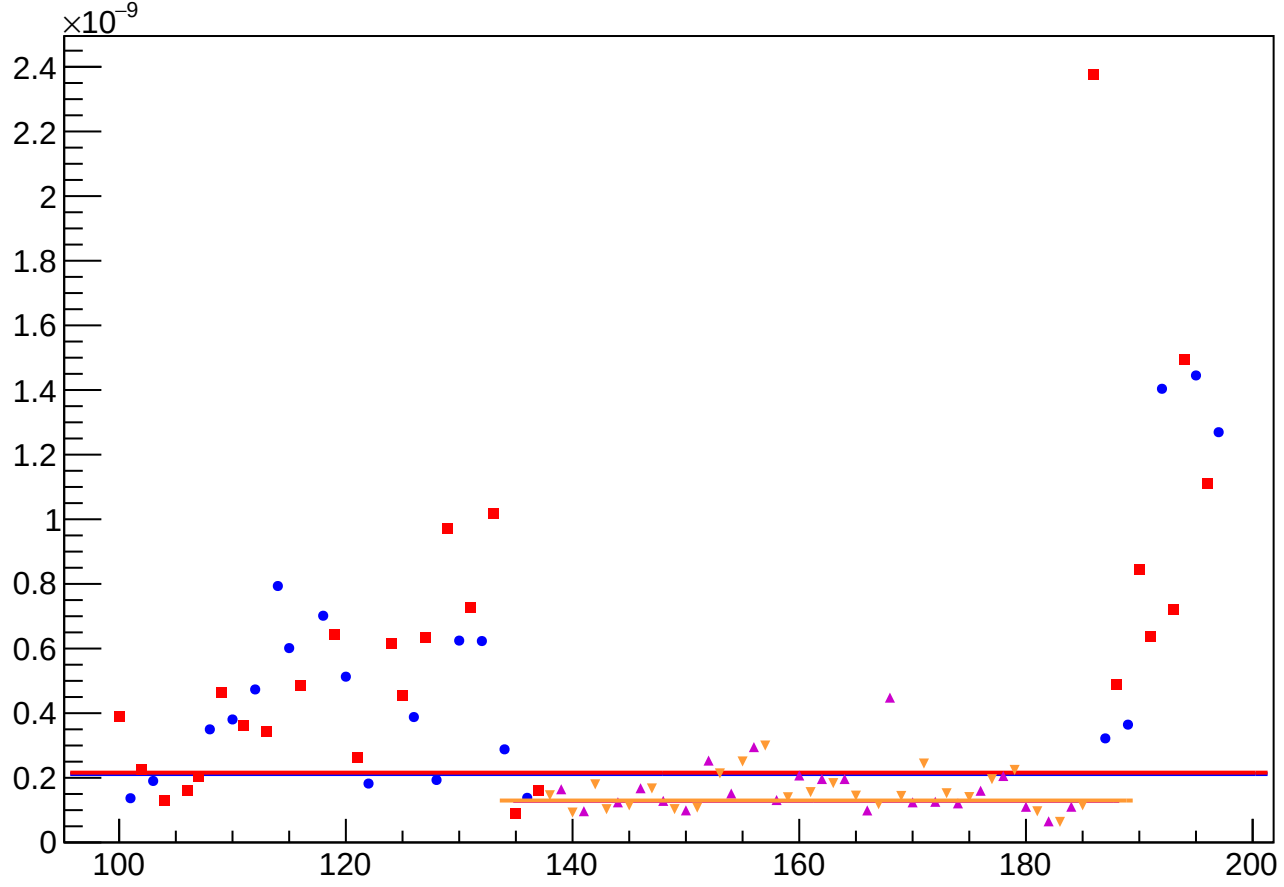
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.6/45

All: -0.000+/-0.000 χ^2/NDF: 82.2/94

- sign -0.000+/-0.000 χ^2/NDF: 43.5/48

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2901619.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3996452.3/25

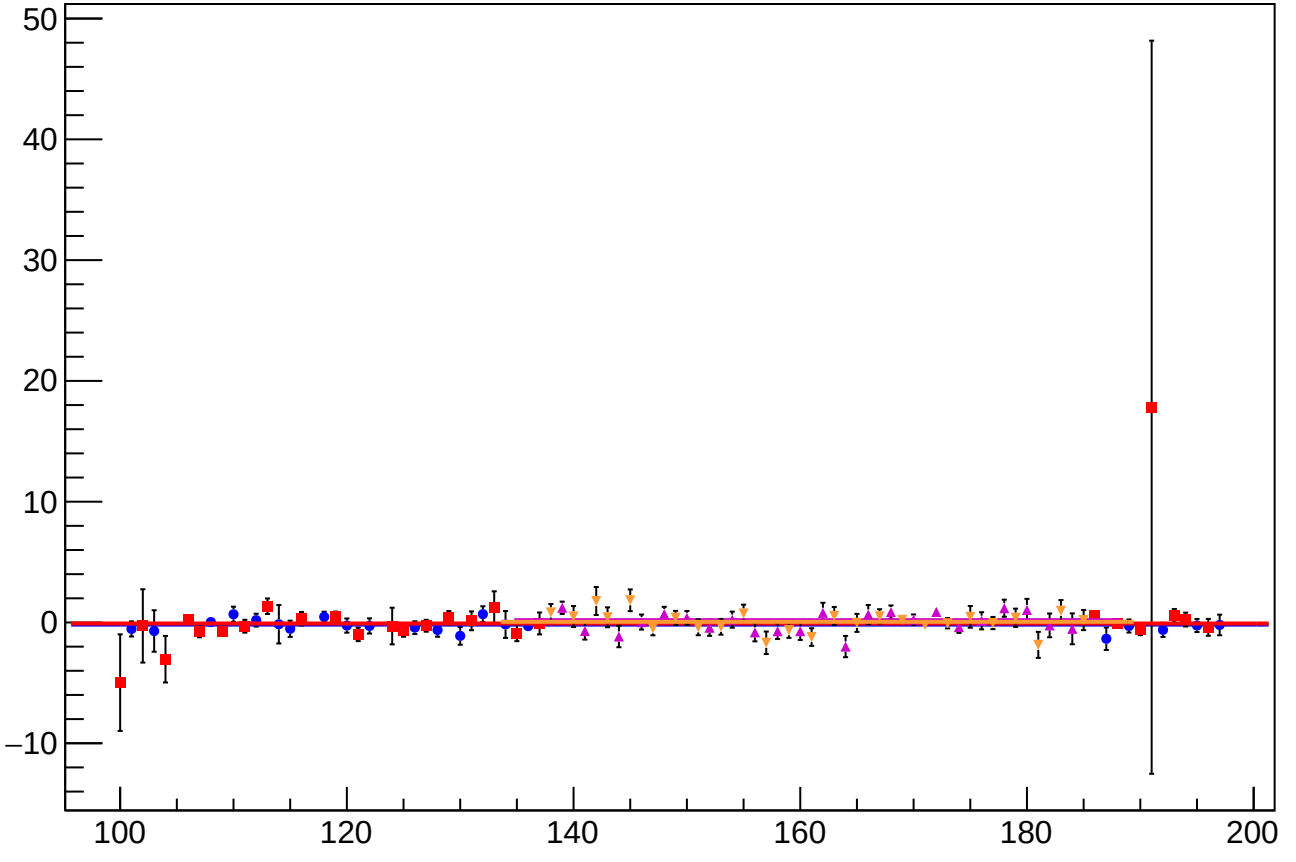
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4960311.2/45

All: 0.000+/-0.000 χ^2/NDF: 11189148.6/94

- sign 0.000+/-0.000 χ^2/NDF: 6228684.9/48

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.175+/-0.129 χ^2/NDF: 12.1/20

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.084+/-0.103 χ^2/NDF: 31.0/25

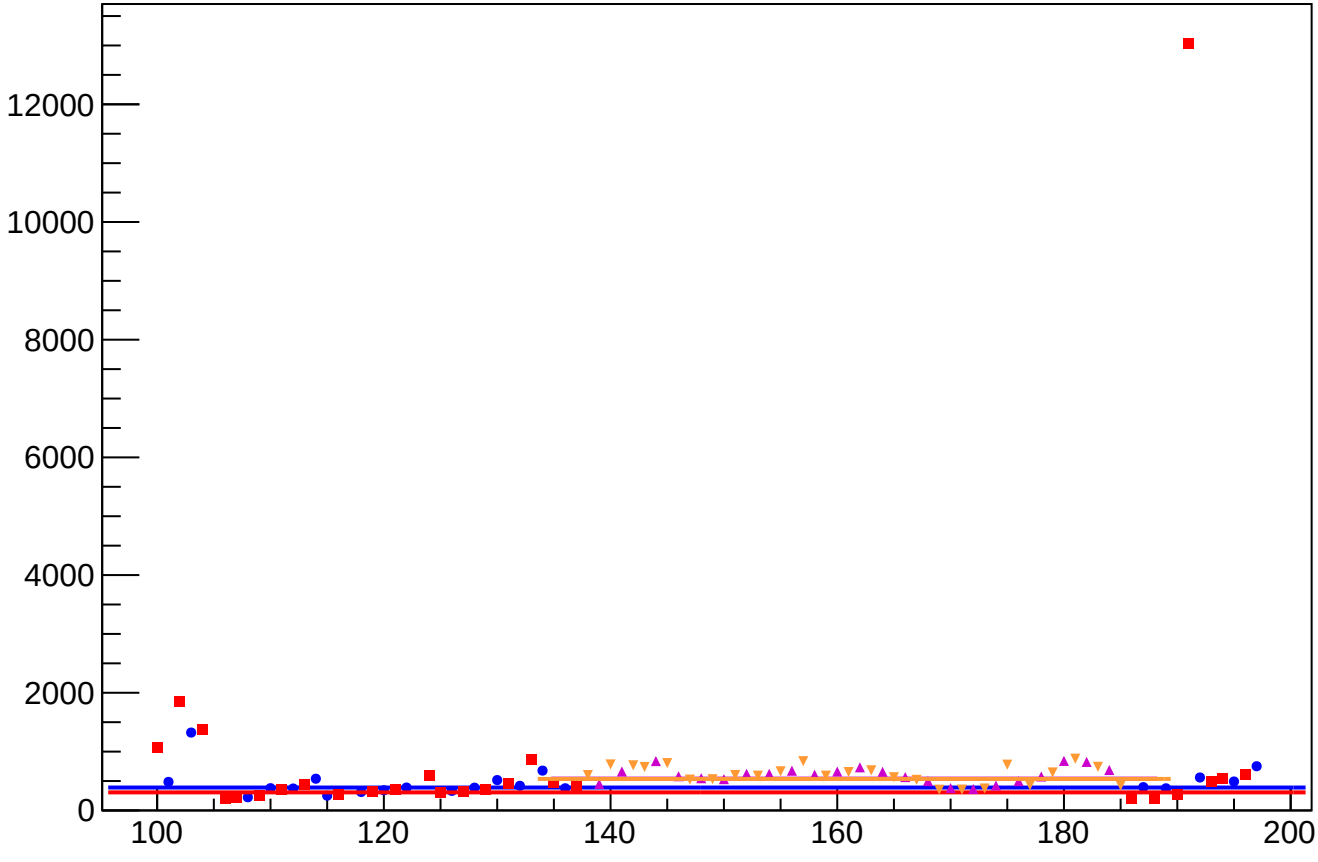
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.061+/-0.091 χ^2/NDF: 38.4/45

All: -0.017+/-0.061 χ^2/NDF: 103.6/94

- sign 0.019+/-0.081 χ^2/NDF: 64.8/48

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 389.480+/-0.091 χ^2/NDF: 2053351.2/20

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 307.226+/-0.073 χ^2/NDF: 4239545.3/25

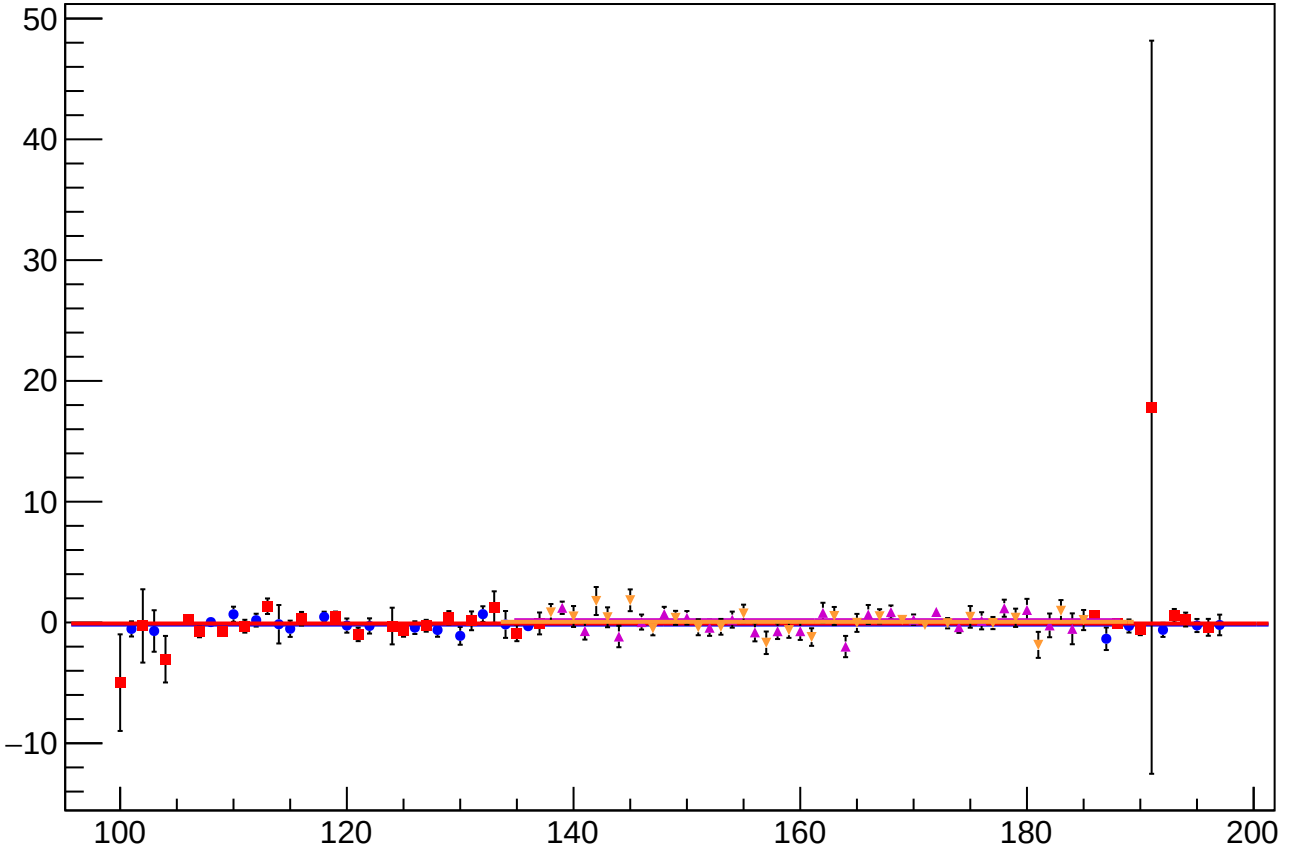
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 462.474+/-0.065 χ^2/NDF: 6086375.6/45

All: 424.602+/-0.043 χ^2/NDF: 16700455.1/94

- sign 394.570+/-0.058 χ^2/NDF: 9998707.6/48

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.175+/-0.129 χ^2/NDF: 12.1/20

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.084+/-0.103 χ^2/NDF: 31.0/25

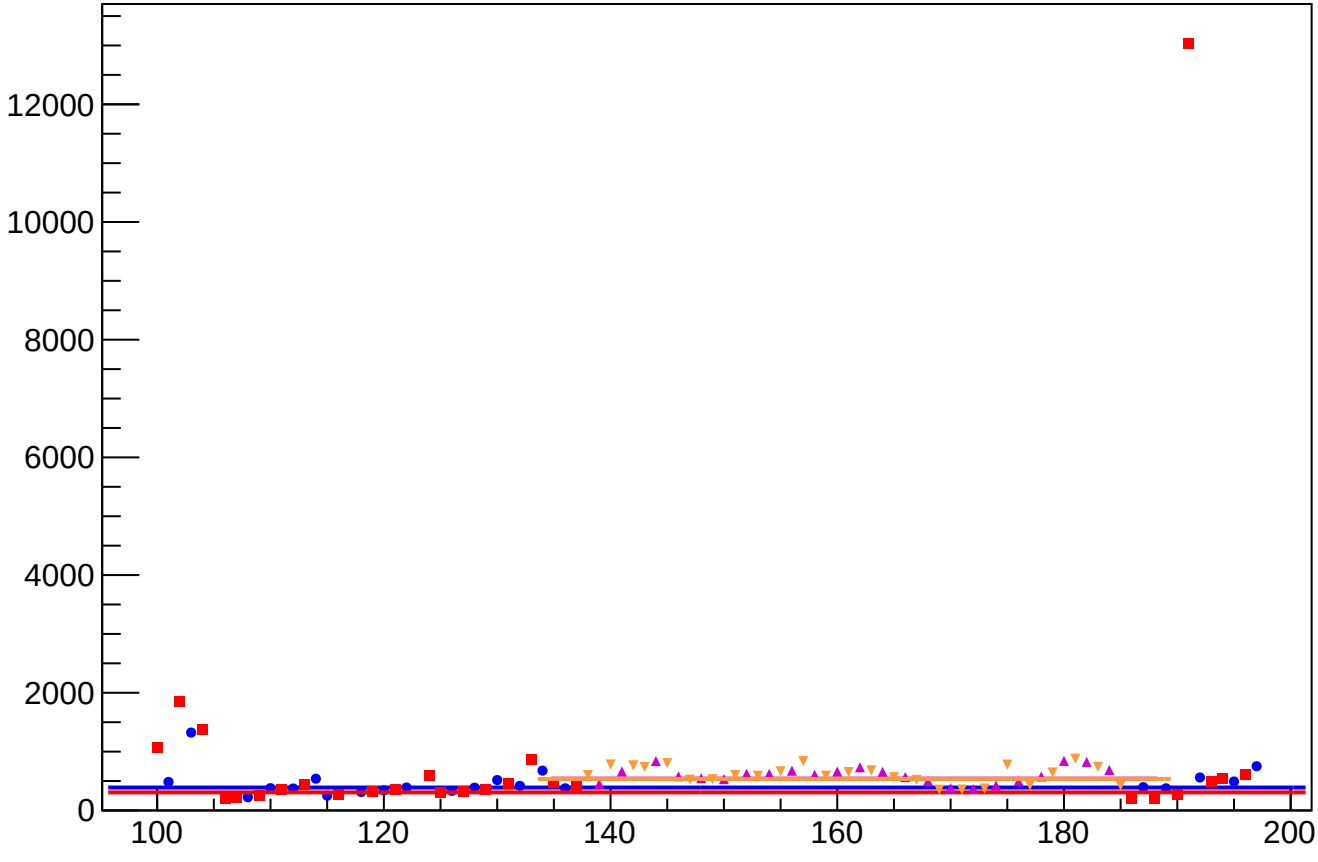
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.061+/-0.091 χ^2/NDF: 38.4/45

All: -0.017+/-0.061 χ^2/NDF: 103.6/94

- sign 0.019+/-0.081 χ^2/NDF: 64.8/48

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 389.480+/-0.091 χ^2/NDF: 2053351.2/20

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 307.226+/-0.073 χ^2/NDF: 4239545.3/25

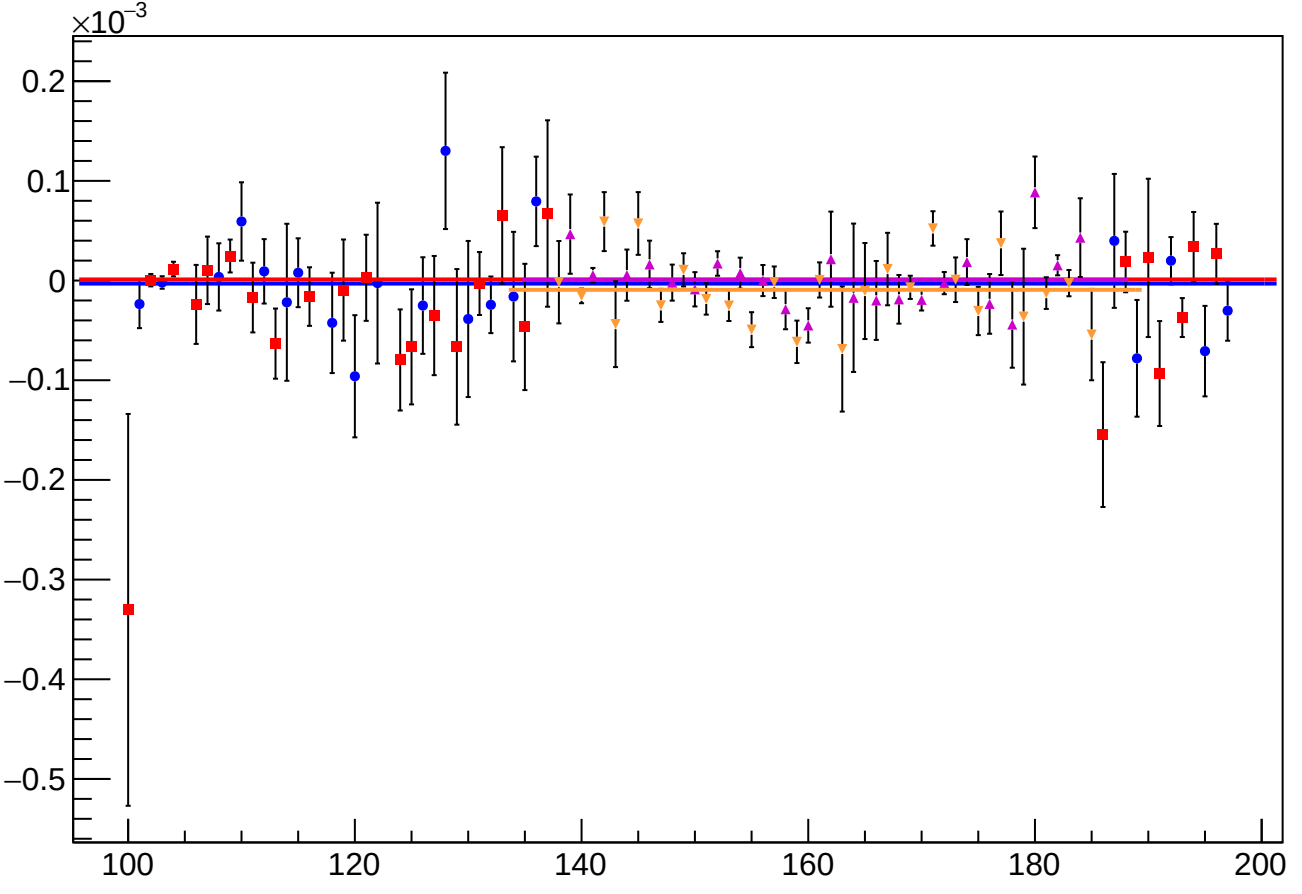
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 462.474+/-0.065 χ^2/NDF: 6086375.6/45

All: 424.602+/-0.043 χ^2/NDF: 16700455.1/94

- sign 394.570+/-0.058 χ^2/NDF: 9998707.6/48

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/25

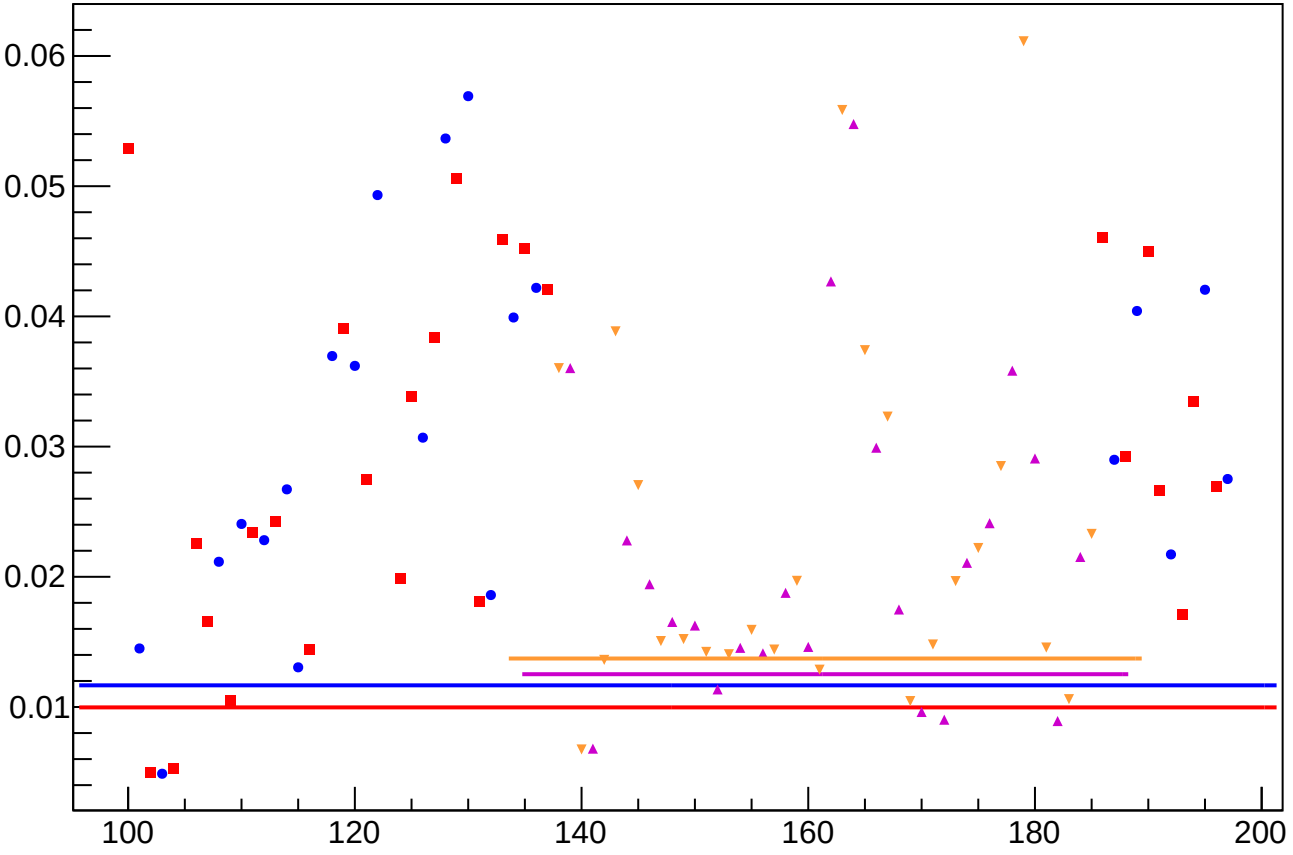
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.0/45

All: -0.000+/-0.000 χ^2/NDF: 132.2/94

- sign 0.000+/-0.000 χ^2/NDF: 62.0/48

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 9702868.2/20

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 10768880.1/25

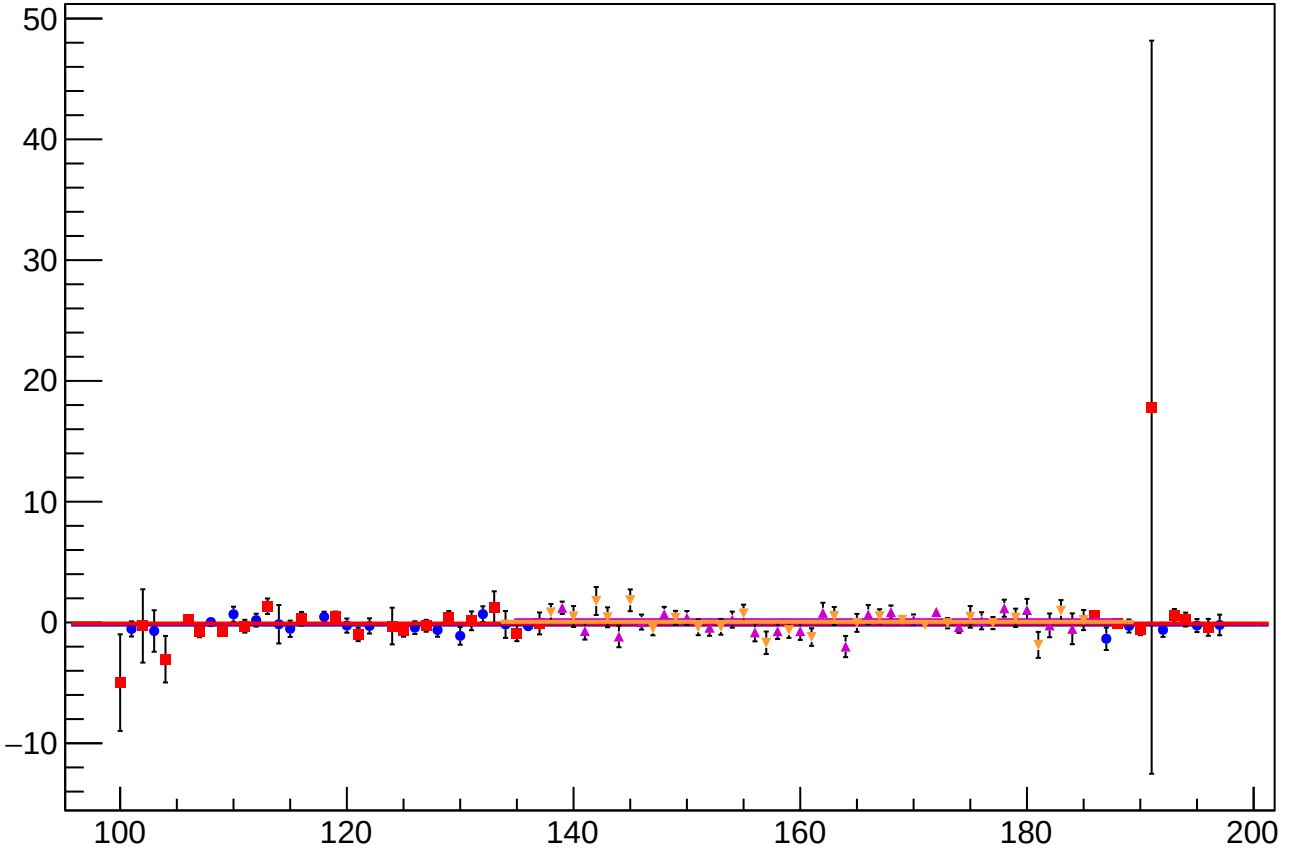
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 17636467.5/45

All: 0.012+/-0.000 χ^2/NDF: 36326351.5/94

- sign 0.011+/-0.000 χ^2/NDF: 18356873.8/48

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.175+/-0.129 χ^2/NDF: 12.1/20

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.084+/-0.103 χ^2/NDF: 31.0/25

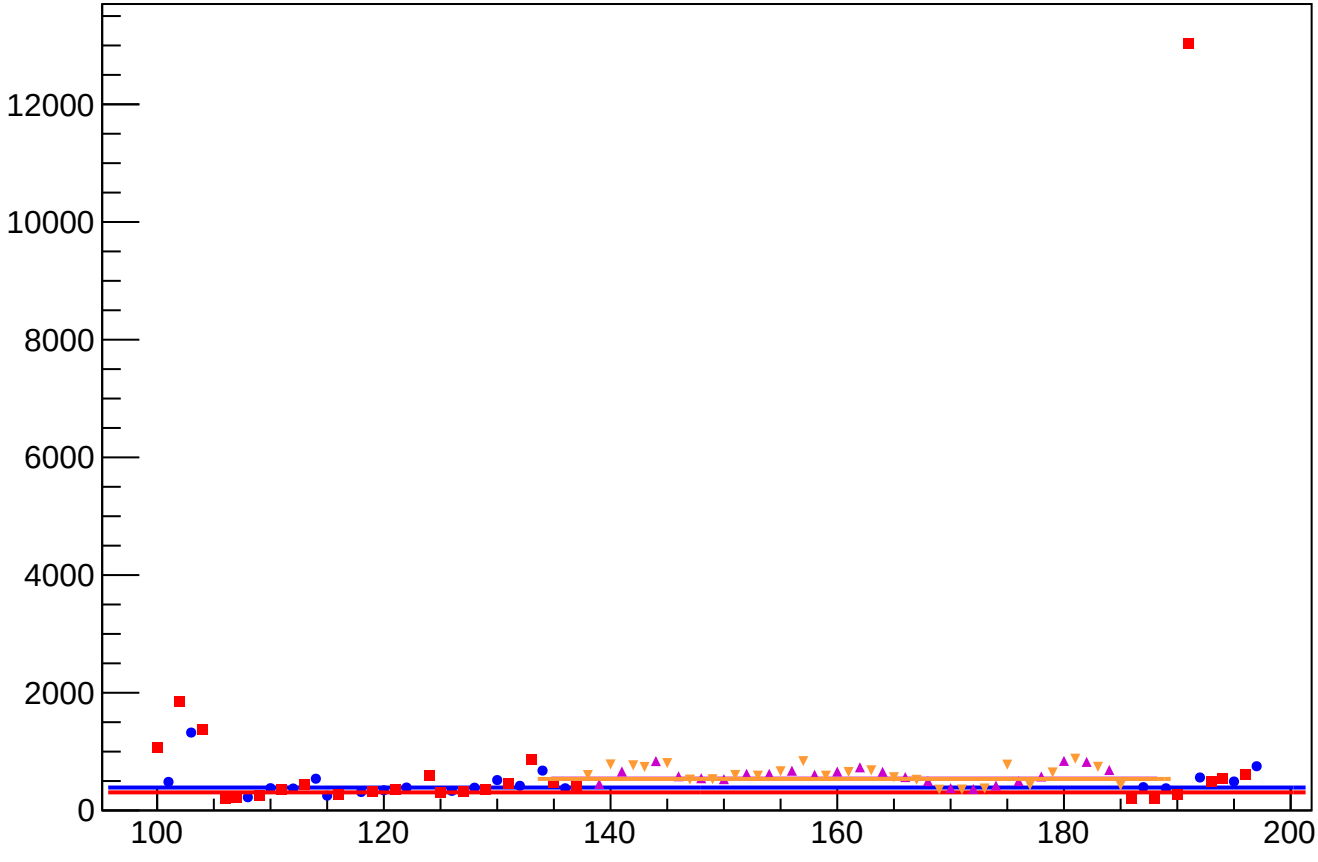
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.061+/-0.091 χ^2/NDF: 38.4/45

All: -0.017+/-0.061 χ^2/NDF: 103.6/94

- sign 0.019+/-0.081 χ^2/NDF: 64.8/48

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 389.476+/-0.091 χ^2/NDF: 2053355.9/20

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 307.227+/-0.073 χ^2/NDF: 4239485.0/25

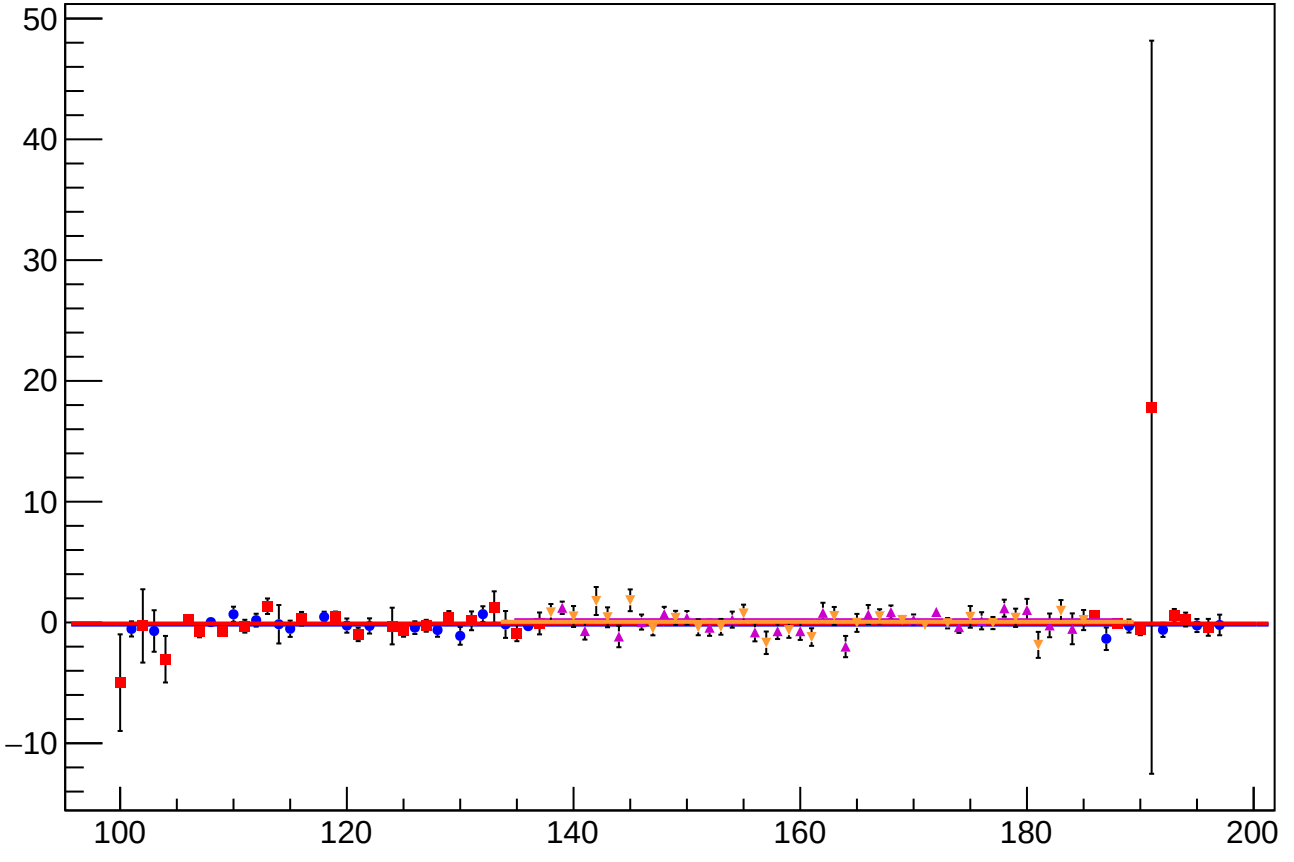
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 462.473+/-0.065 χ^2/NDF: 6086610.8/45

All: 424.602+/-0.043 χ^2/NDF: 16700758.3/94

- sign 394.570+/-0.058 χ^2/NDF: 9998808.5/48

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.175+/-0.129 χ^2/NDF: 12.1/20

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.084+/-0.103 χ^2/NDF: 31.0/25

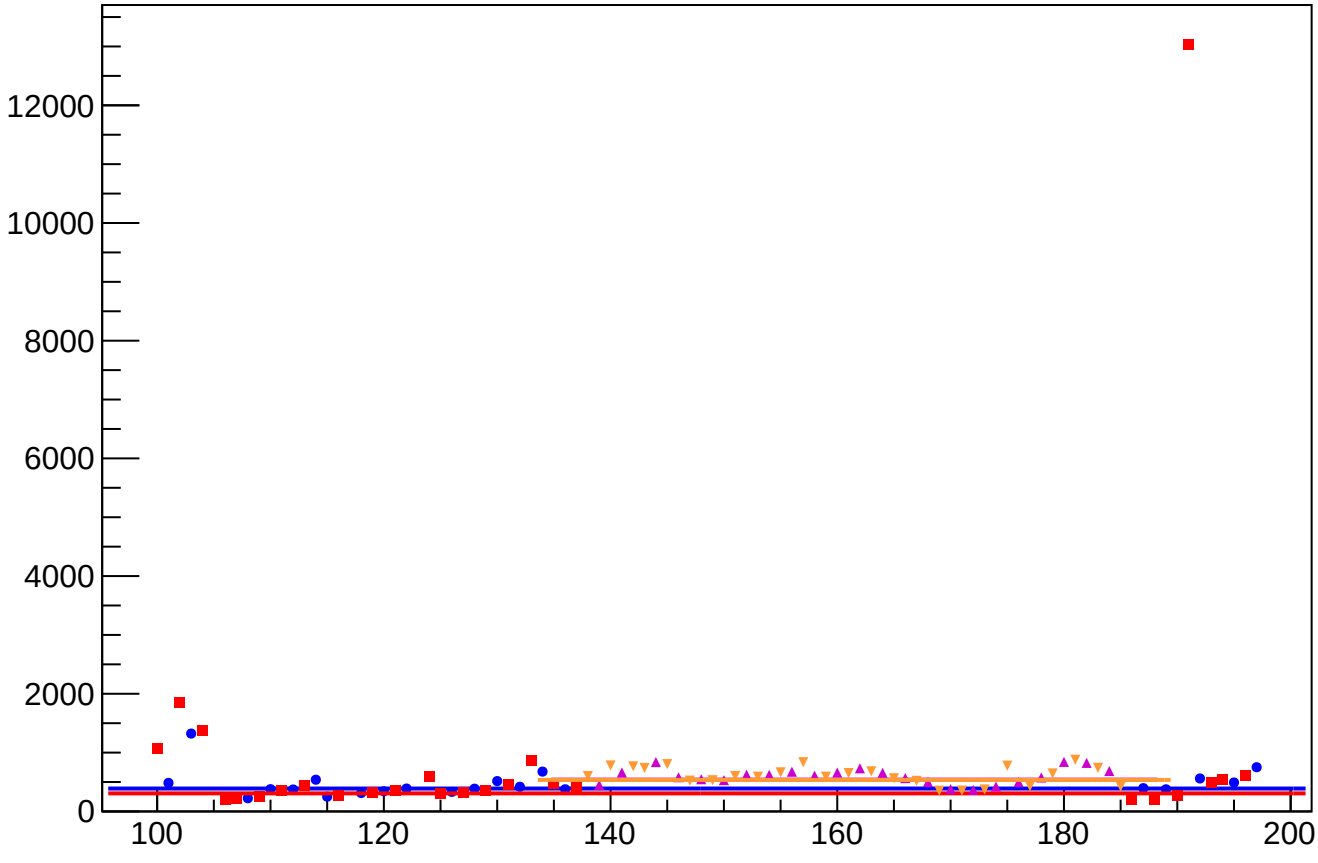
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.061+/-0.091 χ^2/NDF: 38.4/45

All: -0.017+/-0.061 χ^2/NDF: 103.6/94

- sign 0.019+/-0.081 χ^2/NDF: 64.8/48

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 389.476+/-0.091 χ^2/NDF: 2053355.9/20

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 307.227+/-0.073 χ^2/NDF: 4239485.0/25

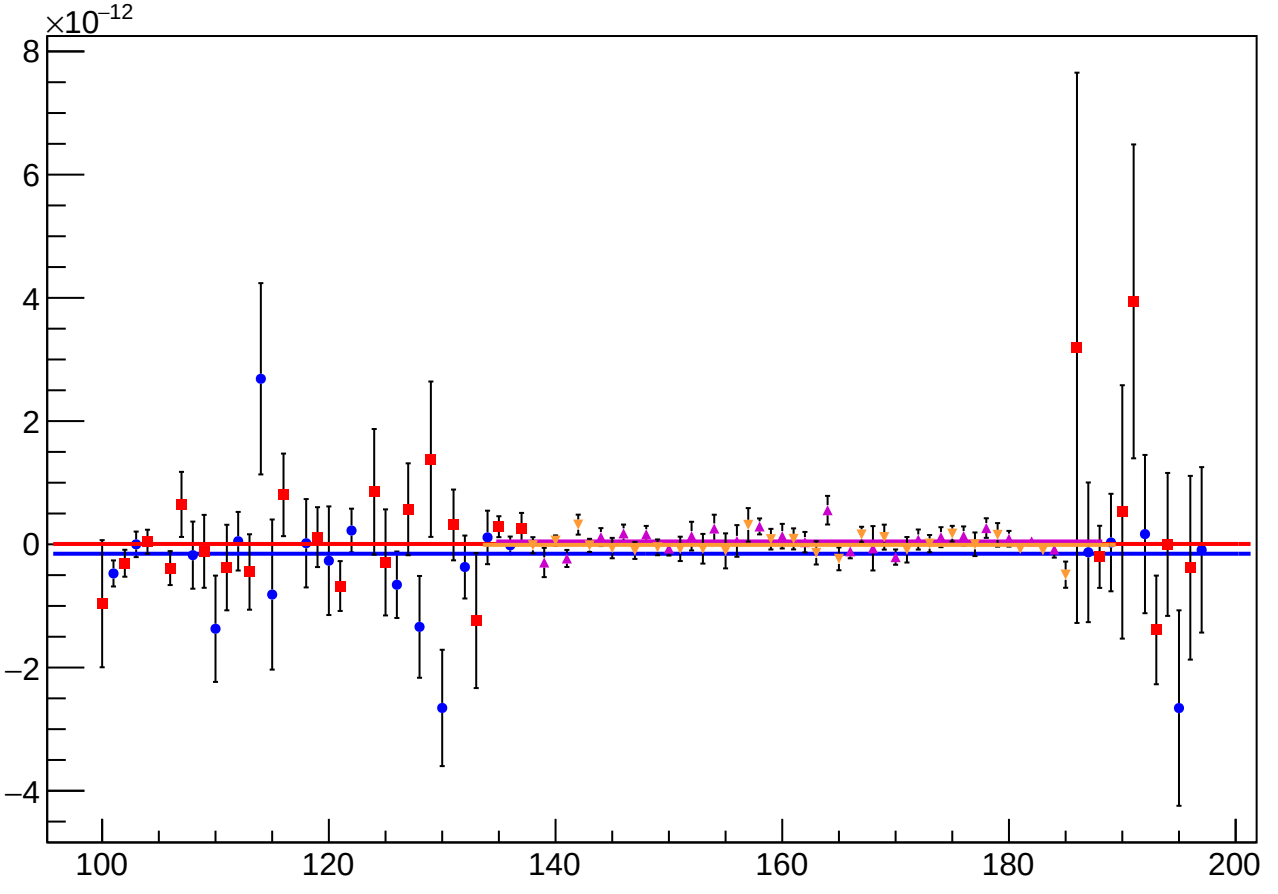
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 462.473+/-0.065 χ^2/NDF: 6086610.8/45

All: 424.602+/-0.043 χ^2/NDF: 16700758.3/94

- sign 394.570+/-0.058 χ^2/NDF: 9998808.5/48

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

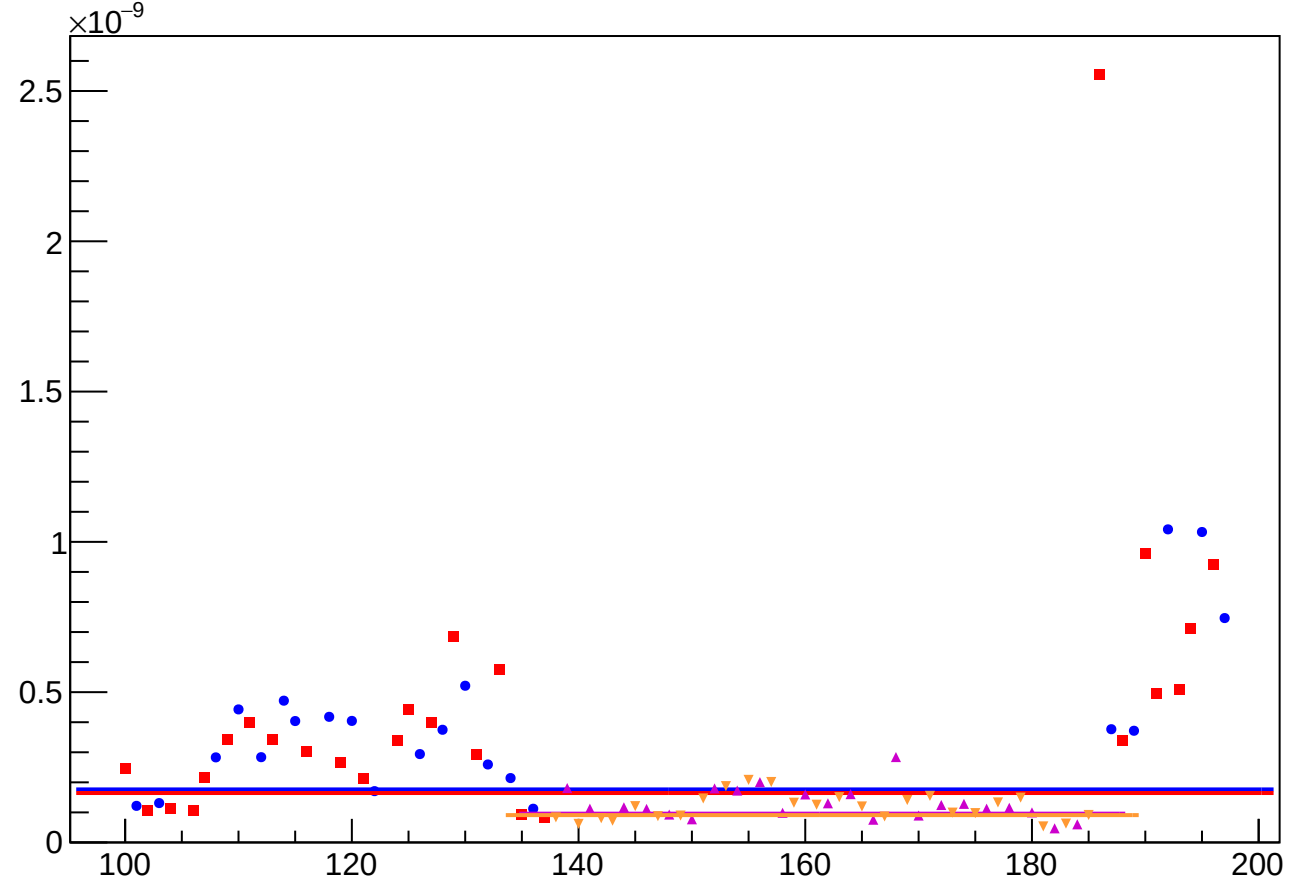
Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/25

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.5/45

All: 0.000+/-0.000 χ^2/NDF: 104.9/94

- sign 0.000+/-0.000 χ^2/NDF: 53.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 4087721.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5330933.9/25

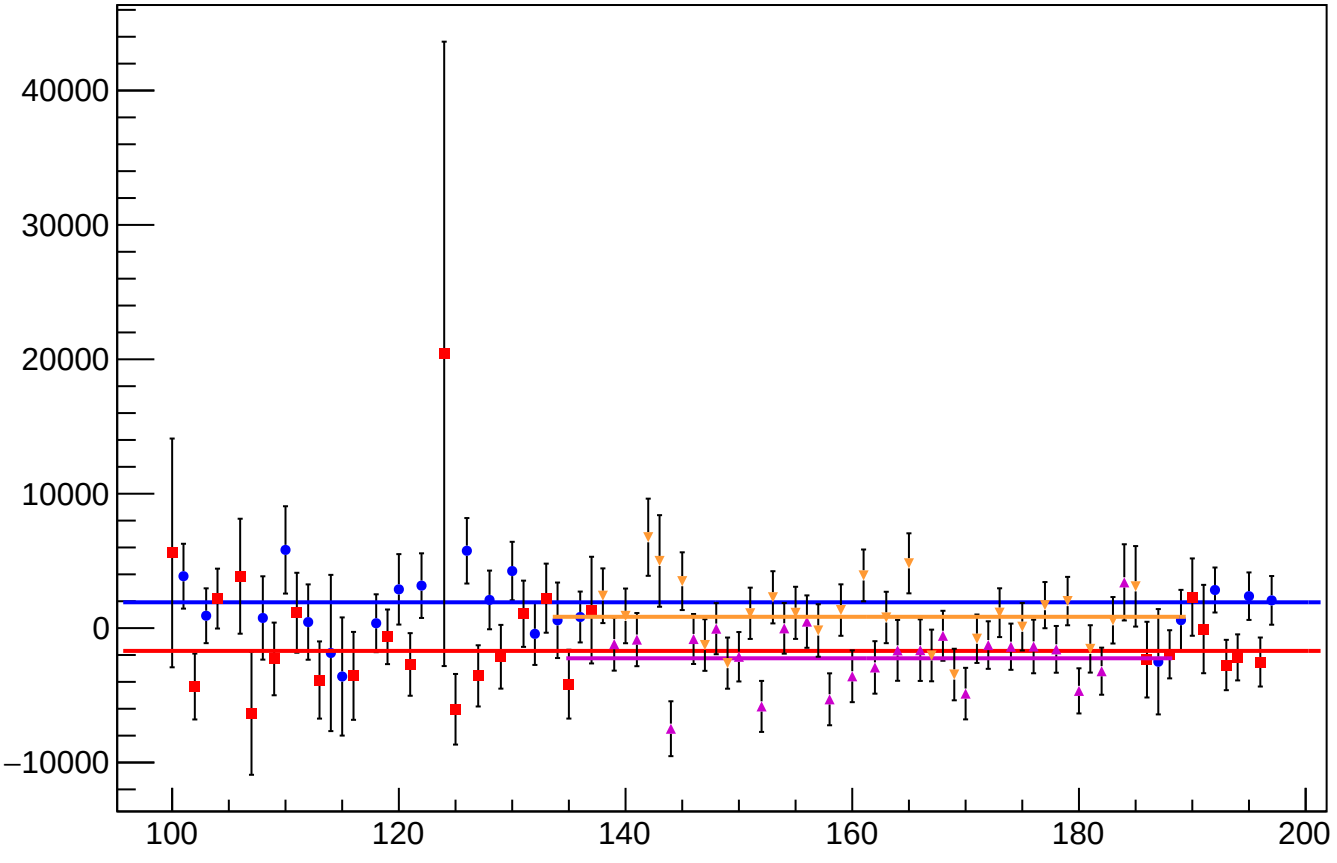
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9246447.4/45

All: 0.000+/-0.000 χ^2/NDF: 19769262.0/94

- sign 0.000+/-0.000 χ^2/NDF: 10493425.1/48

reg_asym_atl_avg_mean vs Slug



Right In: 1921.235+/-514.257 χ^2/NDF: 12.9/20

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1696.157+/-499.874 χ^2/NDF: 22.3/25

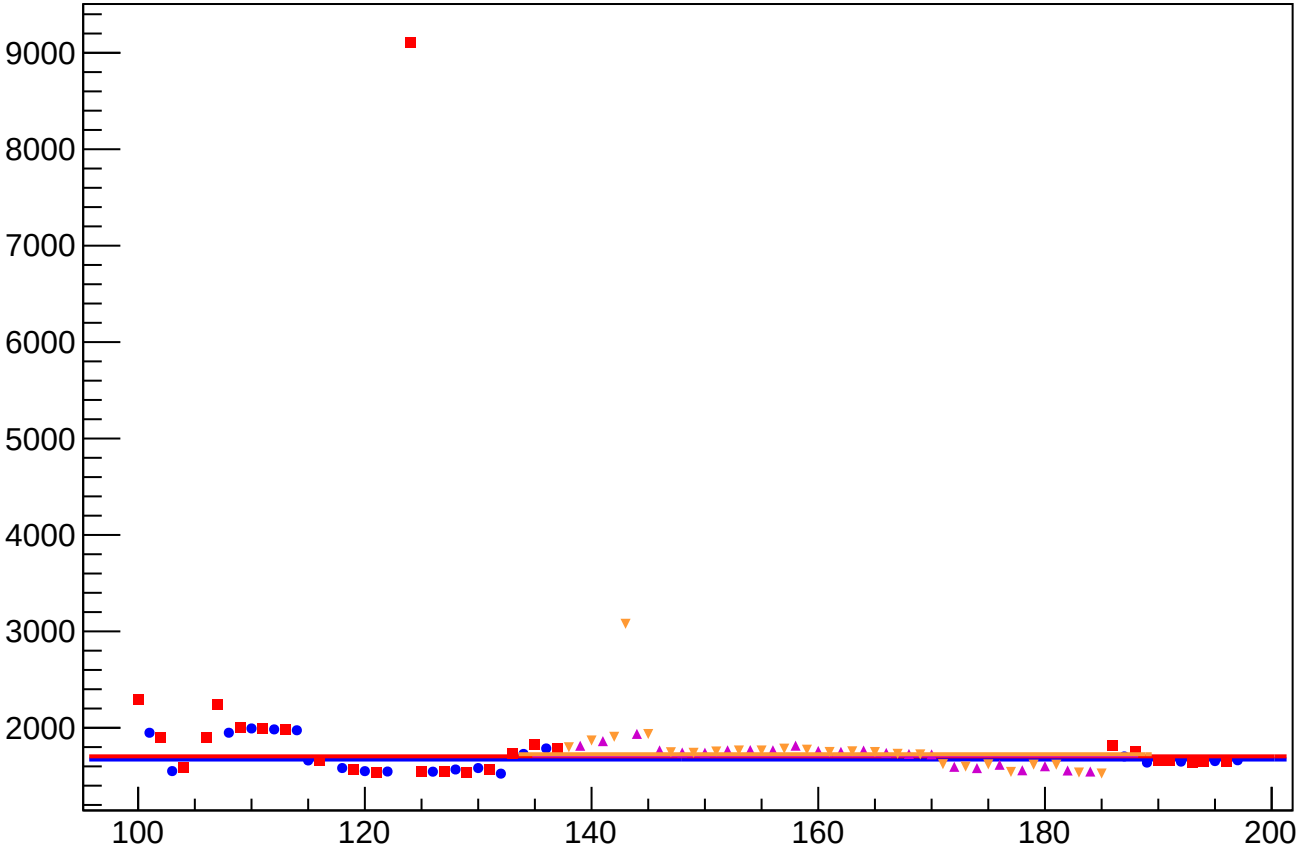
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1241.482+/-312.980 χ^2/NDF: 46.0/45

All: -395.998+/-221.203 χ^2/NDF: 153.2/94

- sign -2030.285+/-312.675 χ^2/NDF: 52.4/48

reg_asym_atl_avg_rms vs Slug



Right In: 1670.969+/-0.364 χ^2/NDF: 142831.3/20

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

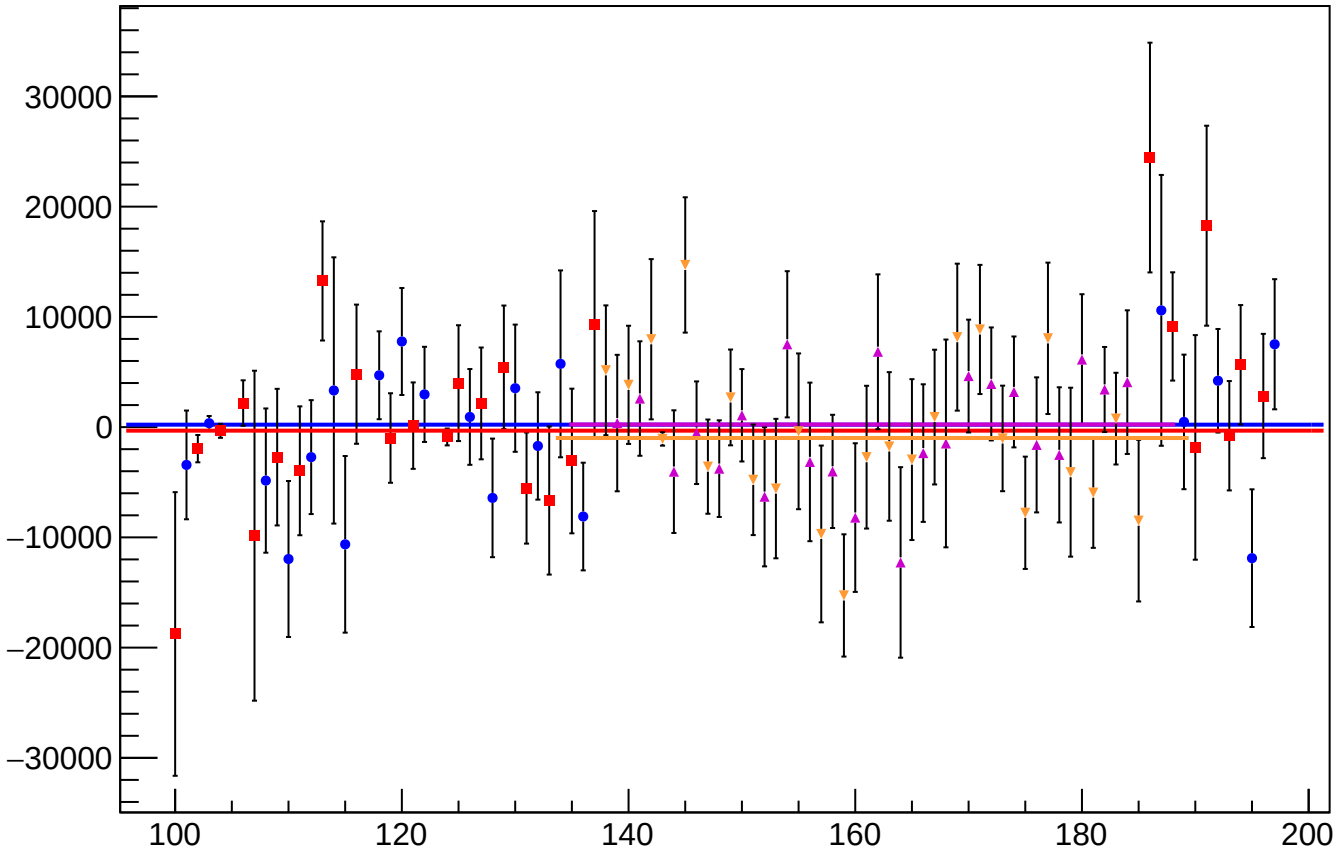
Right Out: 1704.075+/-0.352 χ^2/NDF: 395878.7/25

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1705.653+/-0.221 χ^2/NDF: 612212.2/45

All: 1707.626+/-0.156 χ^2/NDF: 1137943.3/94

- sign 1709.590+/-0.221 χ^2/NDF: 525572.5/48



Right In: 222.522+/-578.285 χ^2/NDF: 22.6/20

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -319.829+/-418.097 χ^2/NDF: 33.9/25

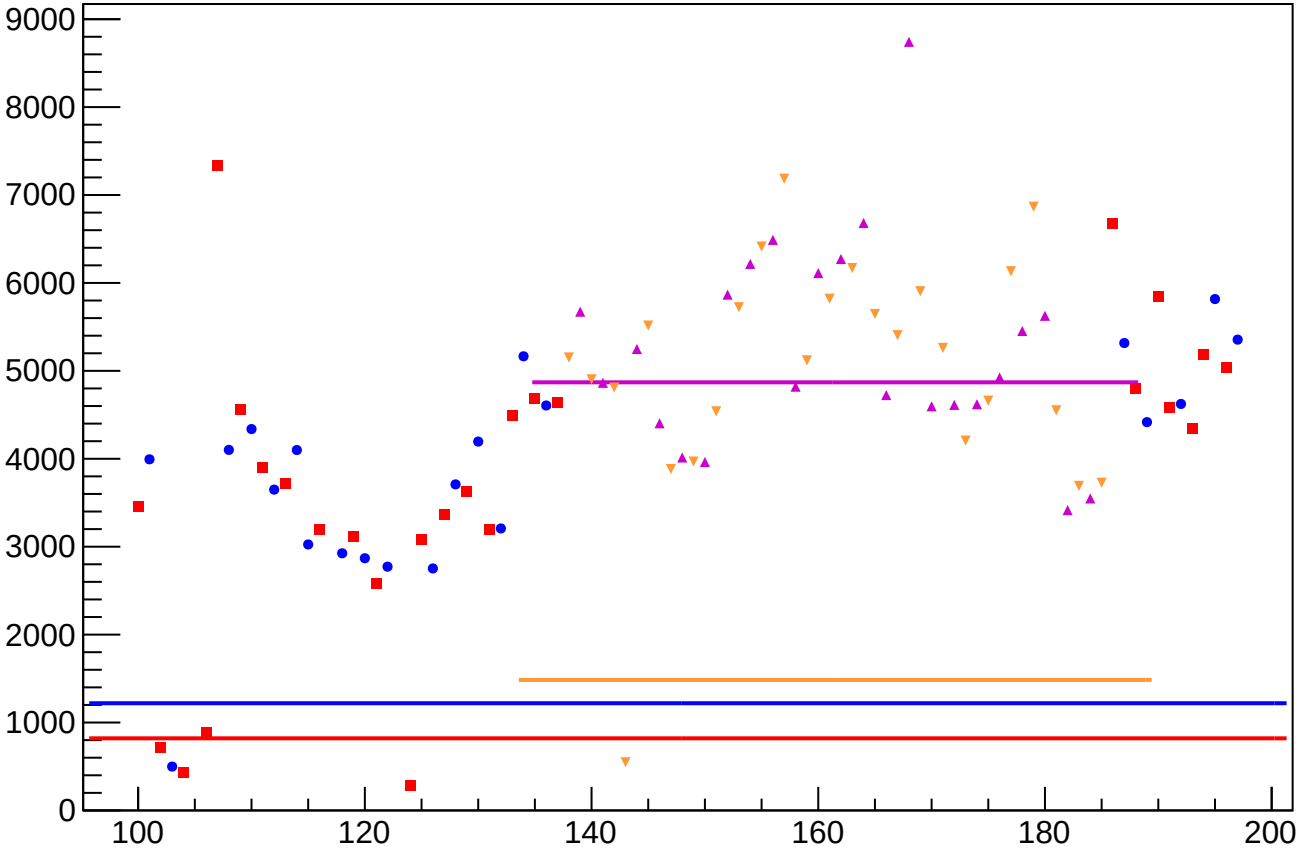
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -422.538+/-395.166 χ^2/NDF: 55.7/45

All: -338.924+/-278.842 χ^2/NDF: 103.4/94

- sign -256.004+/-393.524 χ^2/NDF: 47.6/48

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1219.489+/-0.409 χ^2/NDF: 12177594.4/20

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 820.457+/-0.296 χ^2/NDF: 15031117.0/25

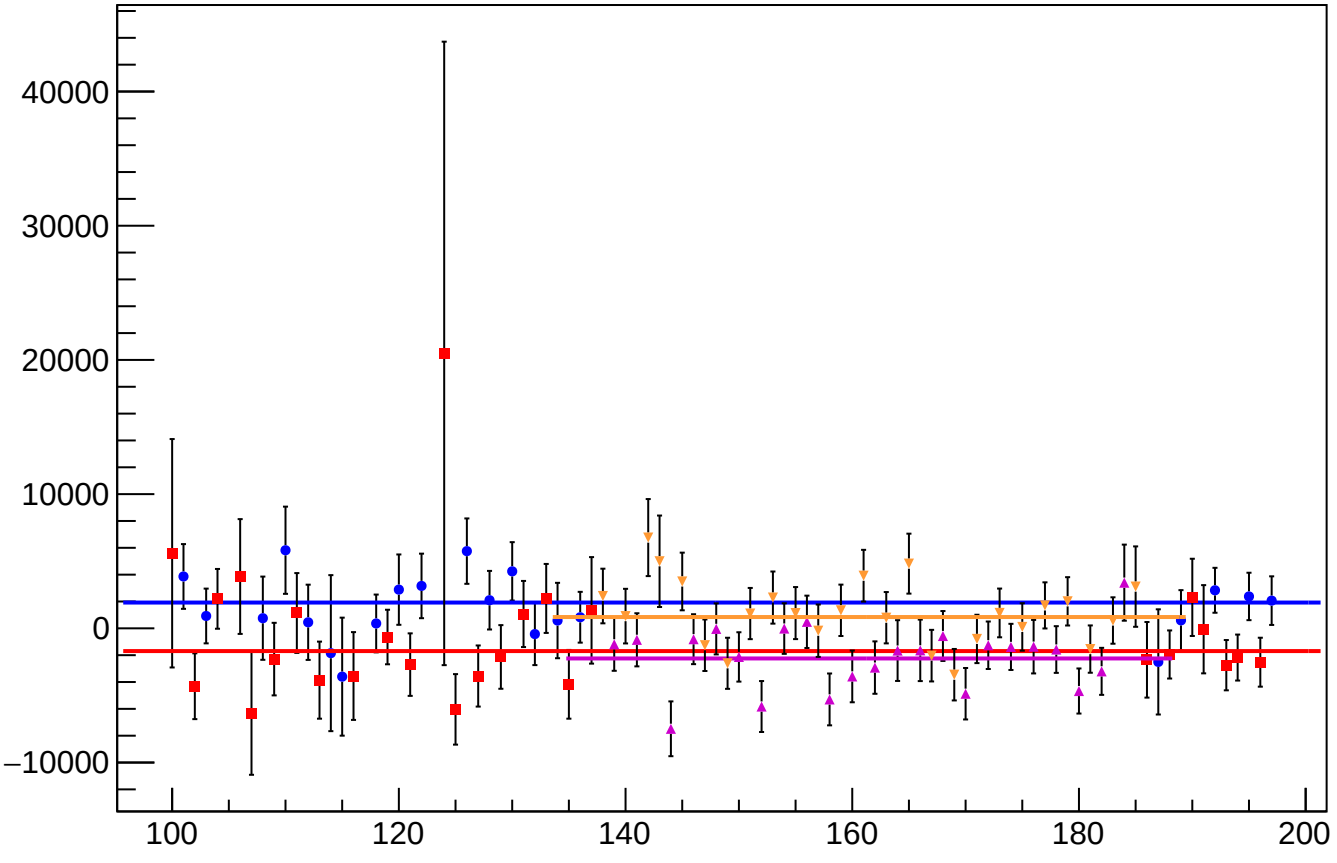
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1360.785+/-0.279 χ^2/NDF: 35626539.3/45

All: 1321.452+/-0.197 χ^2/NDF: 73574673.3/9

- sign 1282.445+/-0.278 χ^2/NDF: 37908668.6/48

cor_asym_atl_avg_mean vs Slug



Right In: 1921.318+/-514.257 χ^2/NDF: 12.9/20

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1694.669+/-499.877 χ^2/NDF: 22.3/25

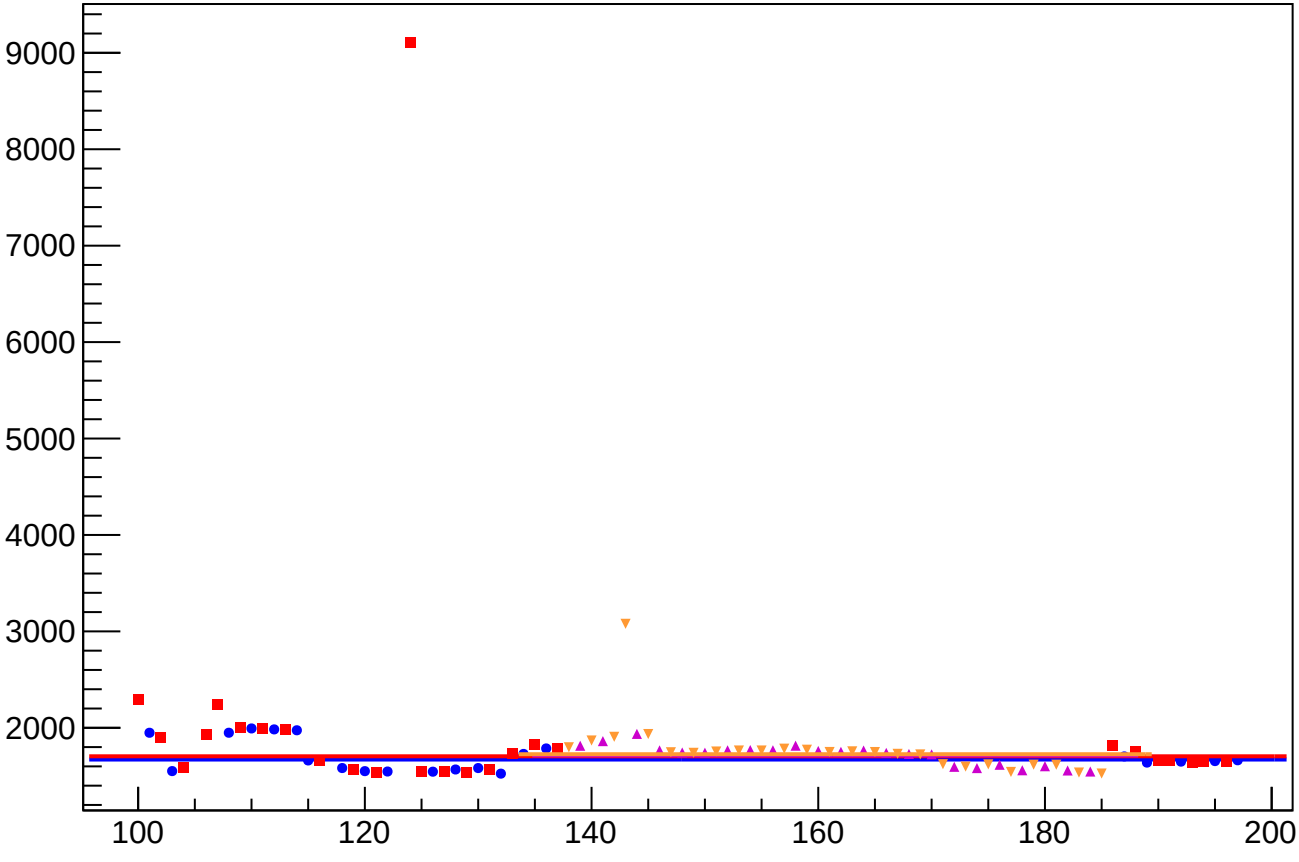
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1241.508+/-312.980 χ^2/NDF: 46.0/45

All: -395.697+/-221.203 χ^2/NDF: 153.1/94

- sign -2029.716+/-312.676 χ^2/NDF: 52.4/48

cor_asym_atl_avg_rms vs Slug



Right In: 1670.969+/-0.364 χ^2/NDF: 142831.4/20

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

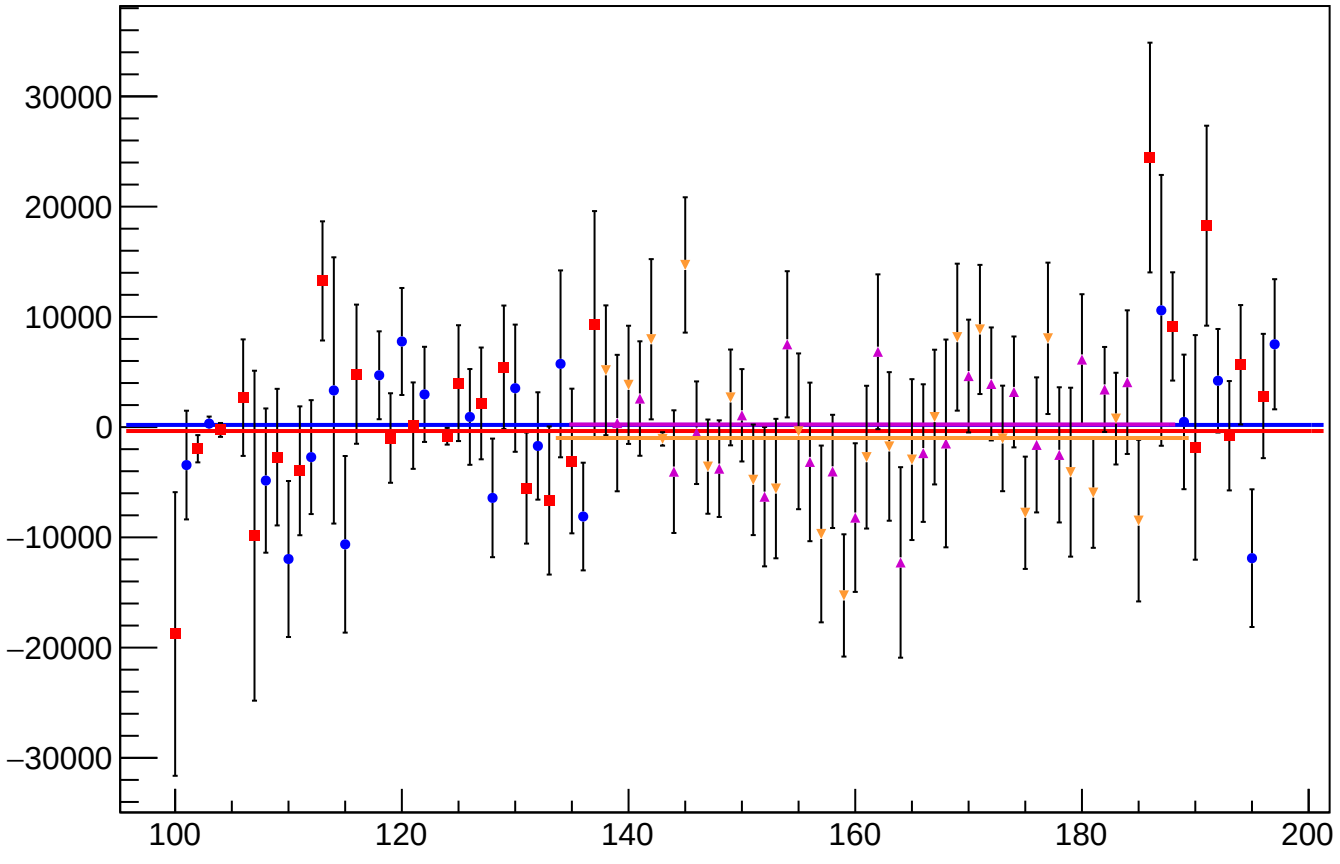
Right Out: 1704.574+/-0.353 χ^2/NDF: 397738.3/25

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1705.653+/-0.221 χ^2/NDF: 612212.3/45

All: 1707.724+/-0.156 χ^2/NDF: 1139776.0/94

- sign 1709.787+/-0.221 χ^2/NDF: 527388.9/48



Right In: 199.594+/-566.828 χ^2/NDF: 22.5/20

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -353.511+/-423.661 χ^2/NDF: 32.6/25

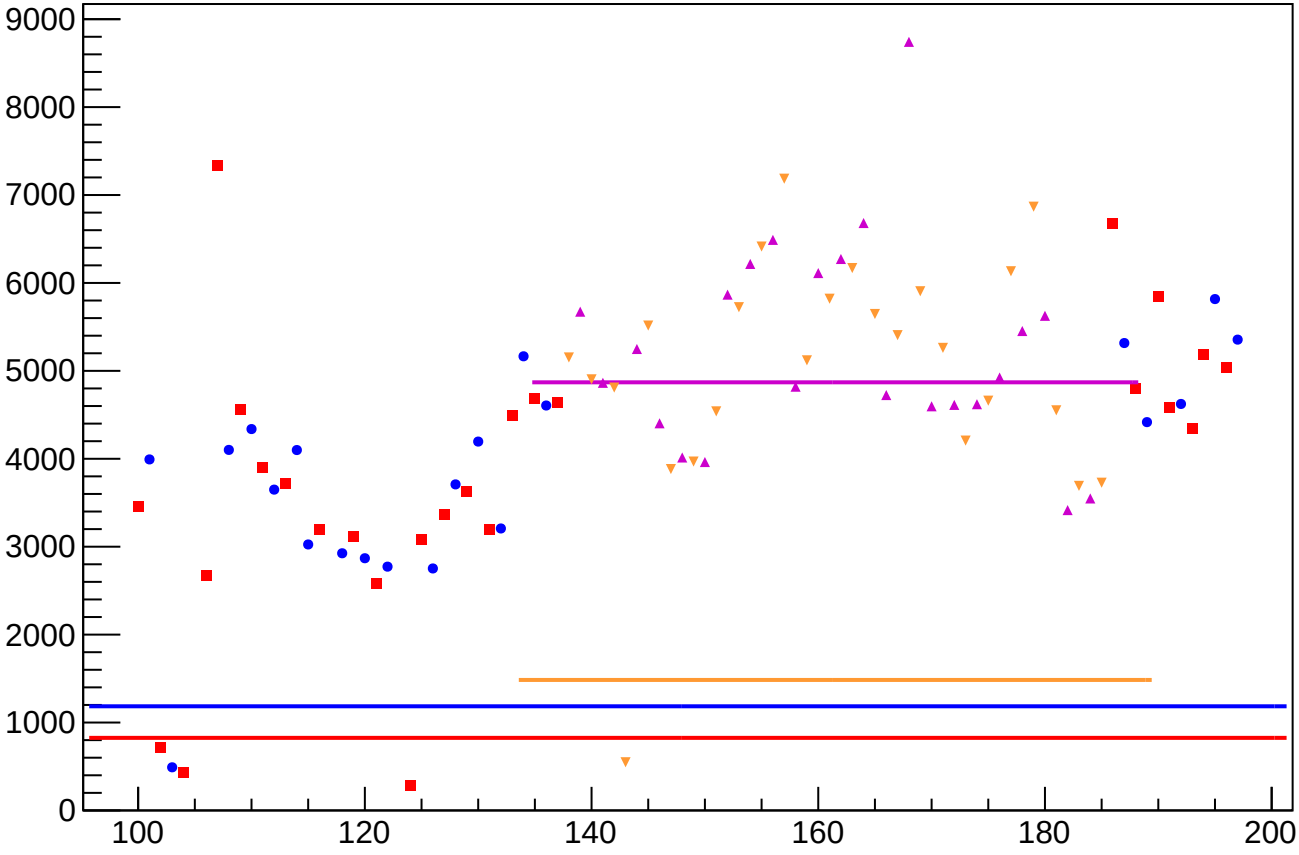
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -421.250+/-391.445 χ^2/NDF: 55.7/45

All: -353.916+/-279.135 χ^2/NDF: 102.1/94

- sign -284.255+/-398.153 χ^2/NDF: 46.4/48

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1184.788+/-0.401 χ^2/NDF: 12354834.3/20

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 825.693+/-0.300 χ^2/NDF: 15299433.9/25

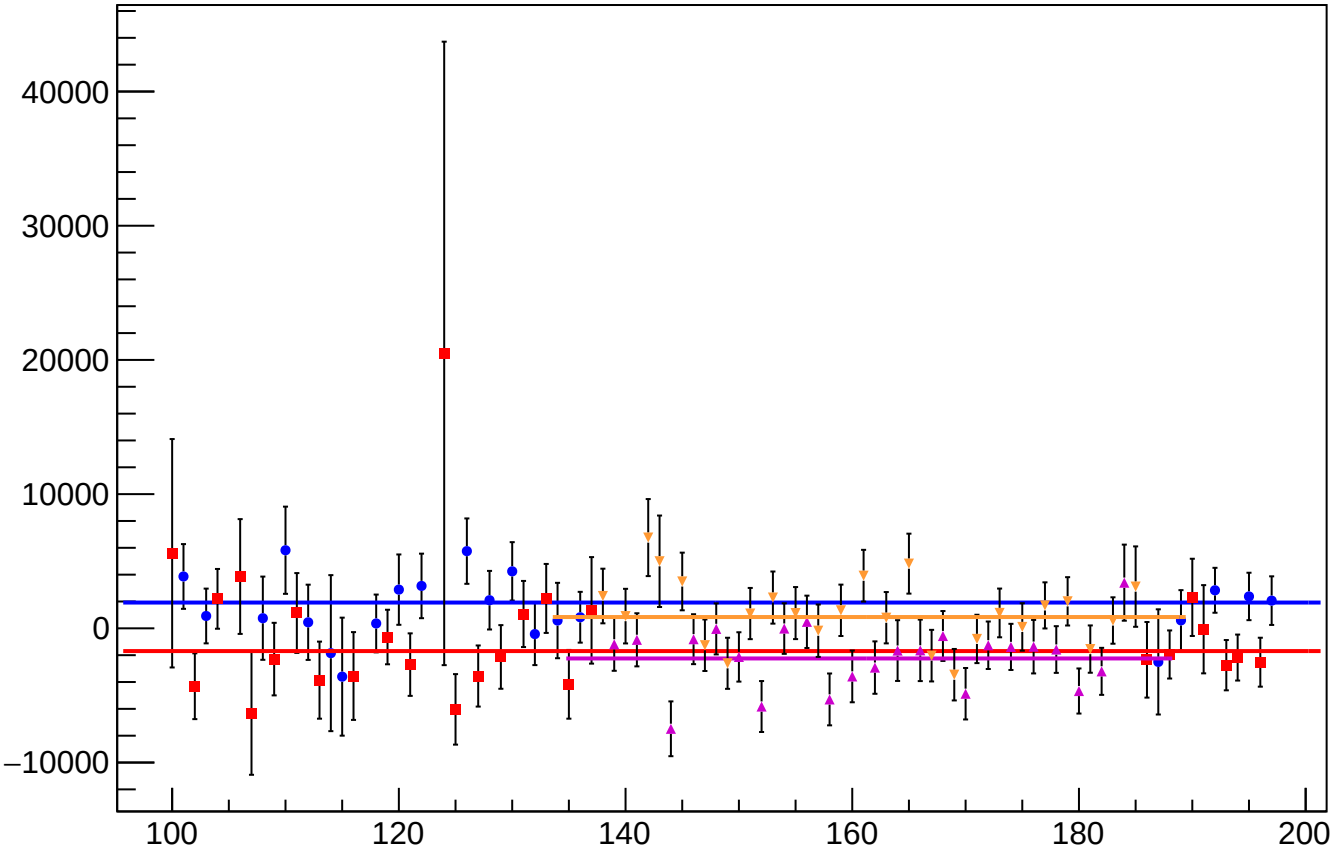
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1341.556+/-0.277 χ^2/NDF: 35872863.6/45

All: 1320.149+/-0.197 χ^2/NDF: 73941632.7/9

- sign 1298.002+/-0.282 χ^2/NDF: 38056599.6/48

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1921.318+/-514.257 χ^2/NDF: 12.9/20

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1694.669+/-499.877 χ^2/NDF: 22.3/25

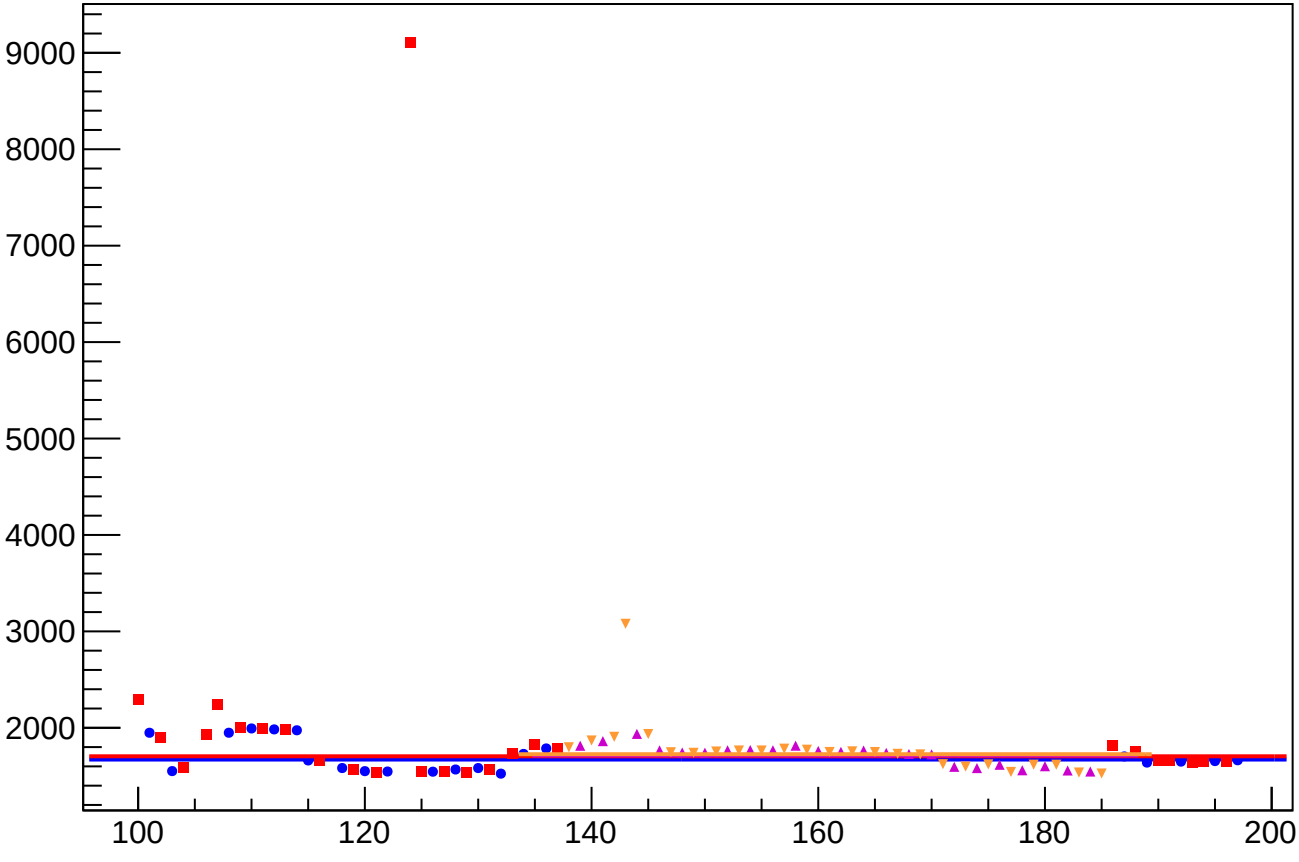
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1241.508+/-312.980 χ^2/NDF: 46.0/45

All: -395.697+/-221.203 χ^2/NDF: 153.1/94

- sign -2029.716+/-312.676 χ^2/NDF: 52.4/48

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1670.969+/-0.364 χ^2/NDF: 142831.4/20

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1704.574+/-0.353 χ^2/NDF: 397738.3/25

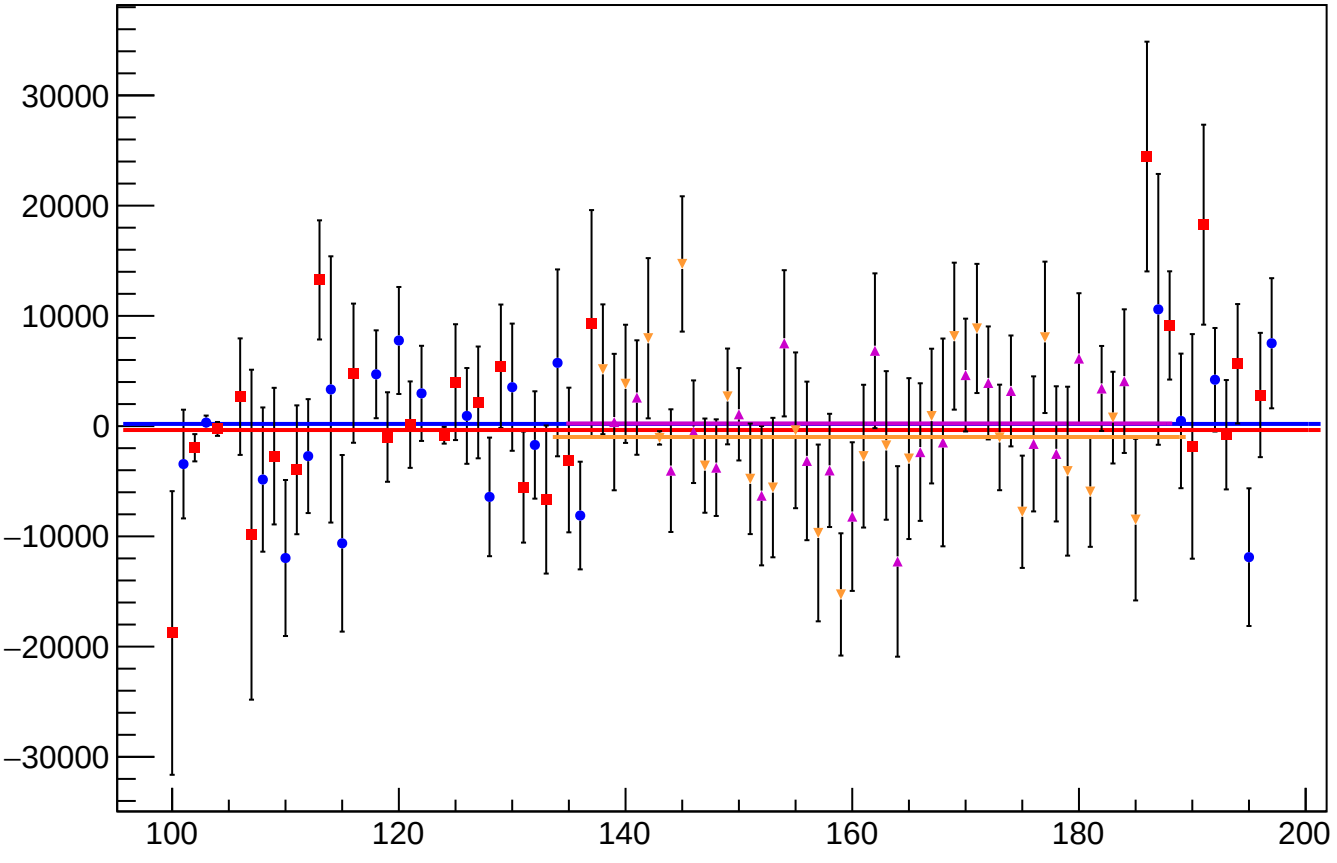
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1705.653+/-0.221 χ^2/NDF: 612212.3/45

All: 1707.724+/-0.156 χ^2/NDF: 1139776.0/94

- sign 1709.787+/-0.221 χ^2/NDF: 527388.9/48

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 199.594+/-566.828 χ^2/NDF: 22.5/20

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -353.511+/-423.661 χ^2/NDF: 32.6/25

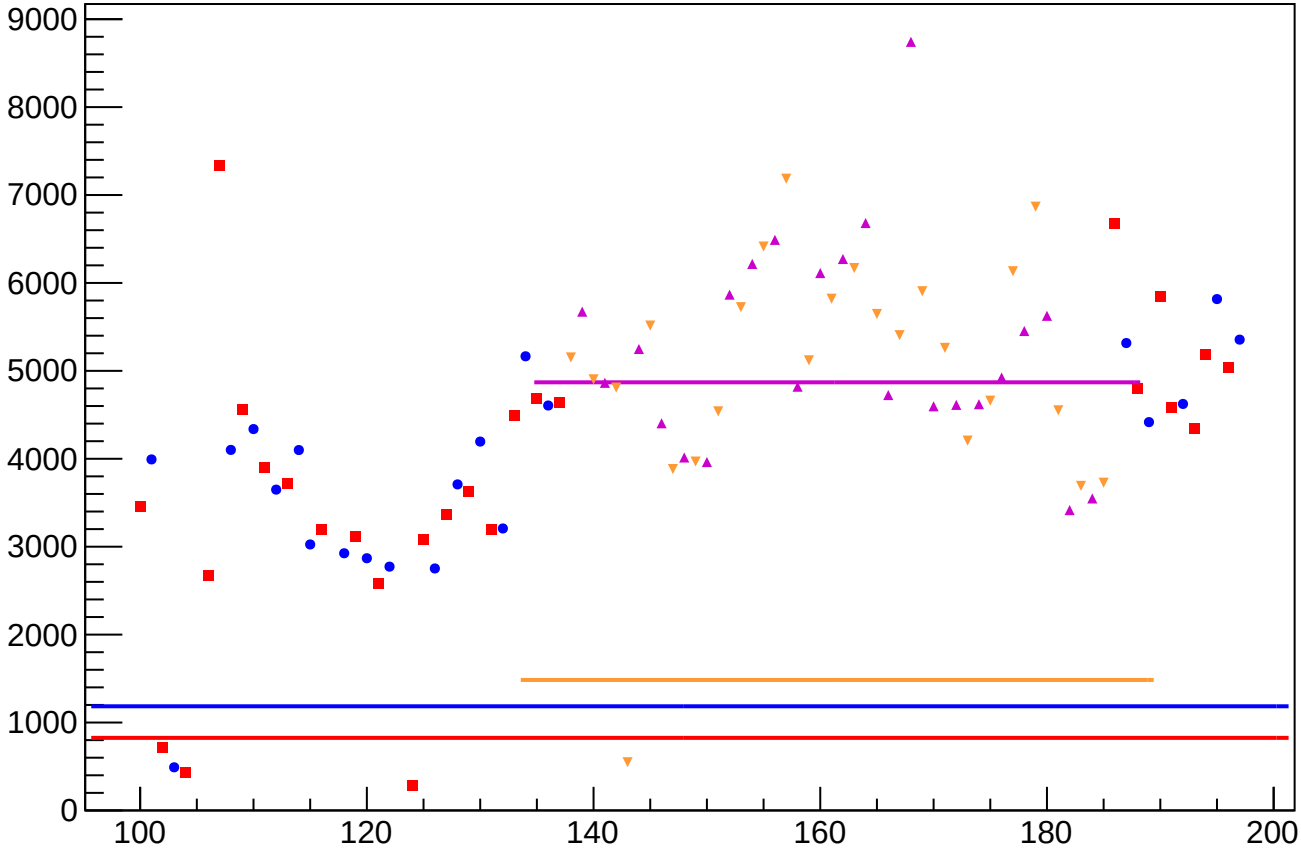
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -421.250+/-391.445 χ^2/NDF: 55.7/45

All: -353.916+/-279.135 χ^2/NDF: 102.1/94

- sign -284.255+/-398.153 χ^2/NDF: 46.4/48

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1184.788+/-0.401 χ^2/NDF: 12354834.3/20

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 825.693+/-0.300 χ^2/NDF: 15299433.9/25

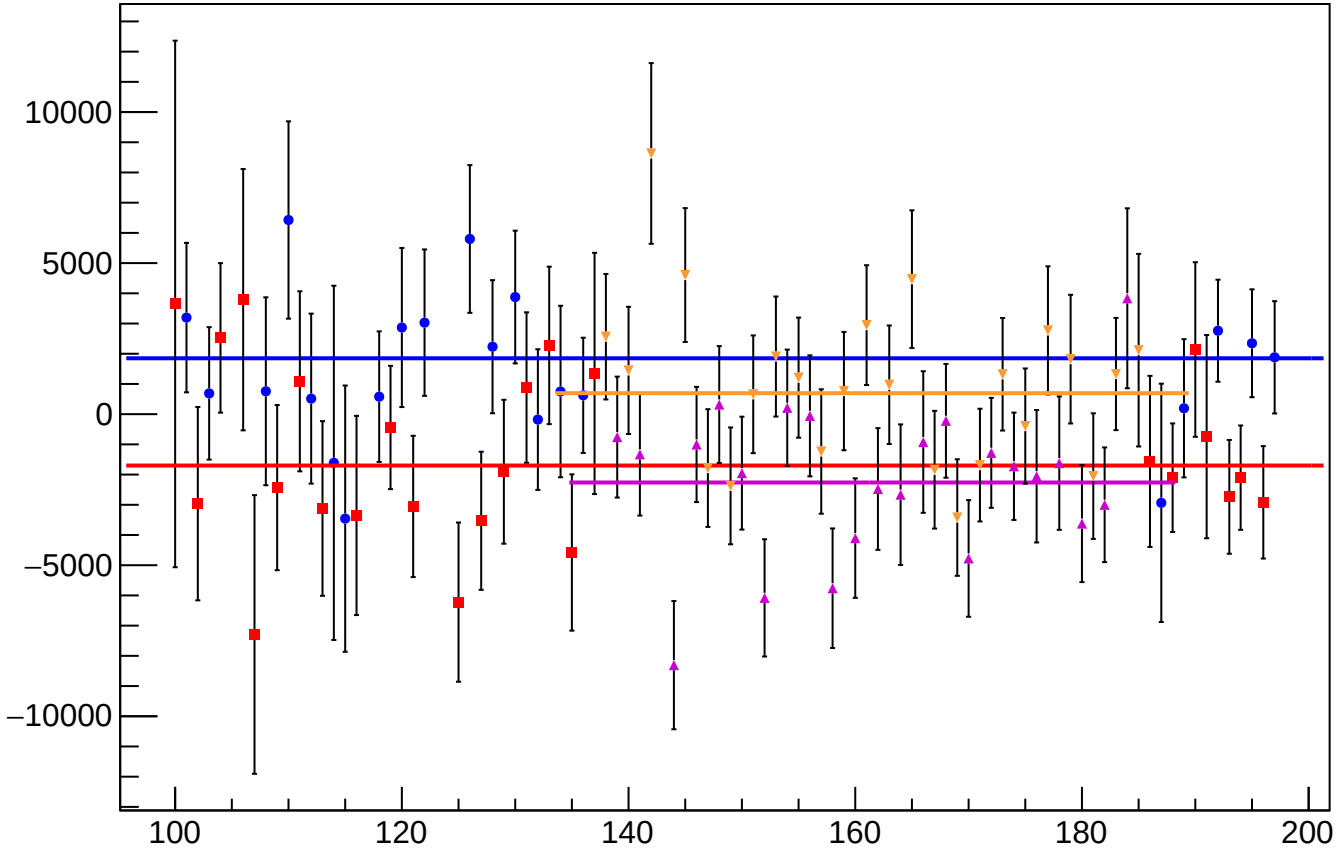
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1341.556+/-0.277 χ^2/NDF: 35872863.6/45

All: 1320.149+/-0.197 χ^2/NDF: 73941632.7/9

- sign 1298.002+/-0.282 χ^2/NDF: 38056599.6/48

dit_asym_atl_avg_mean vs Slug



Right In: 1849.892+/-521.429 χ^2/NDF: 12.6/20

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1700.453+/-510.500 χ^2/NDF: 20.2/24

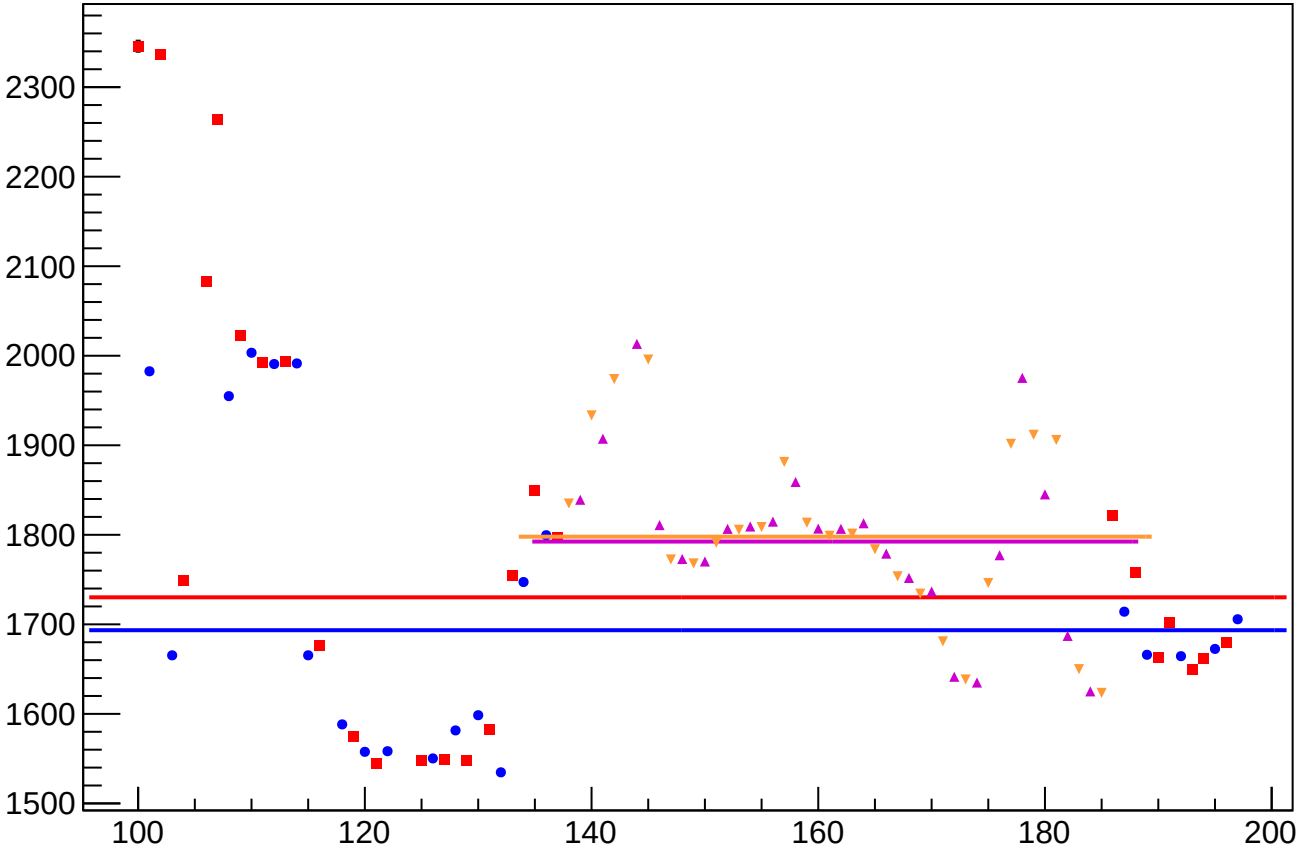
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1146.469+/-326.166 χ^2/NDF: 47.8/44

All: -455.424+/-229.850 χ^2/NDF: 147.0/92

- sign -2035.722+/-323.960 χ^2/NDF: 51.3/47

dit_asym_atl_avg_rms vs Slug



Right In: 1693.440+/-0.369 χ^2/NDF: 136947.6/20

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

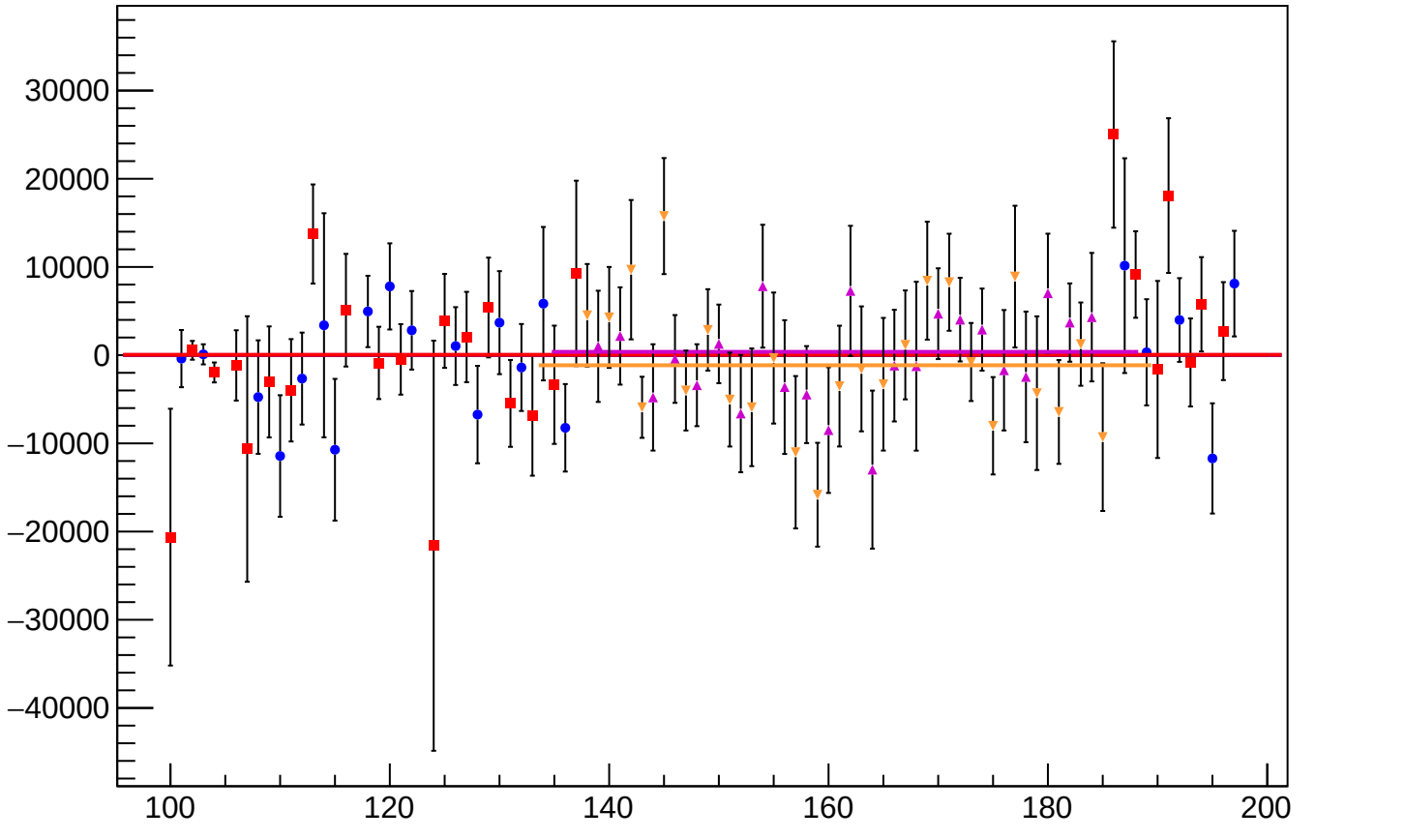
Right Out: 1730.184+/-0.360 χ^2/NDF: 262284.1/24

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1757.033+/-0.231 χ^2/NDF: 283818.8/44

All: 1762.221+/-0.162 χ^2/NDF: 657783.5/92

- sign 1767.334+/-0.229 χ^2/NDF: 372959.9/47



Right In: 9.948+/-827.420 χ^2/NDF: 21.9/20

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 35.715+/-652.469 χ^2/NDF: 33.7/25

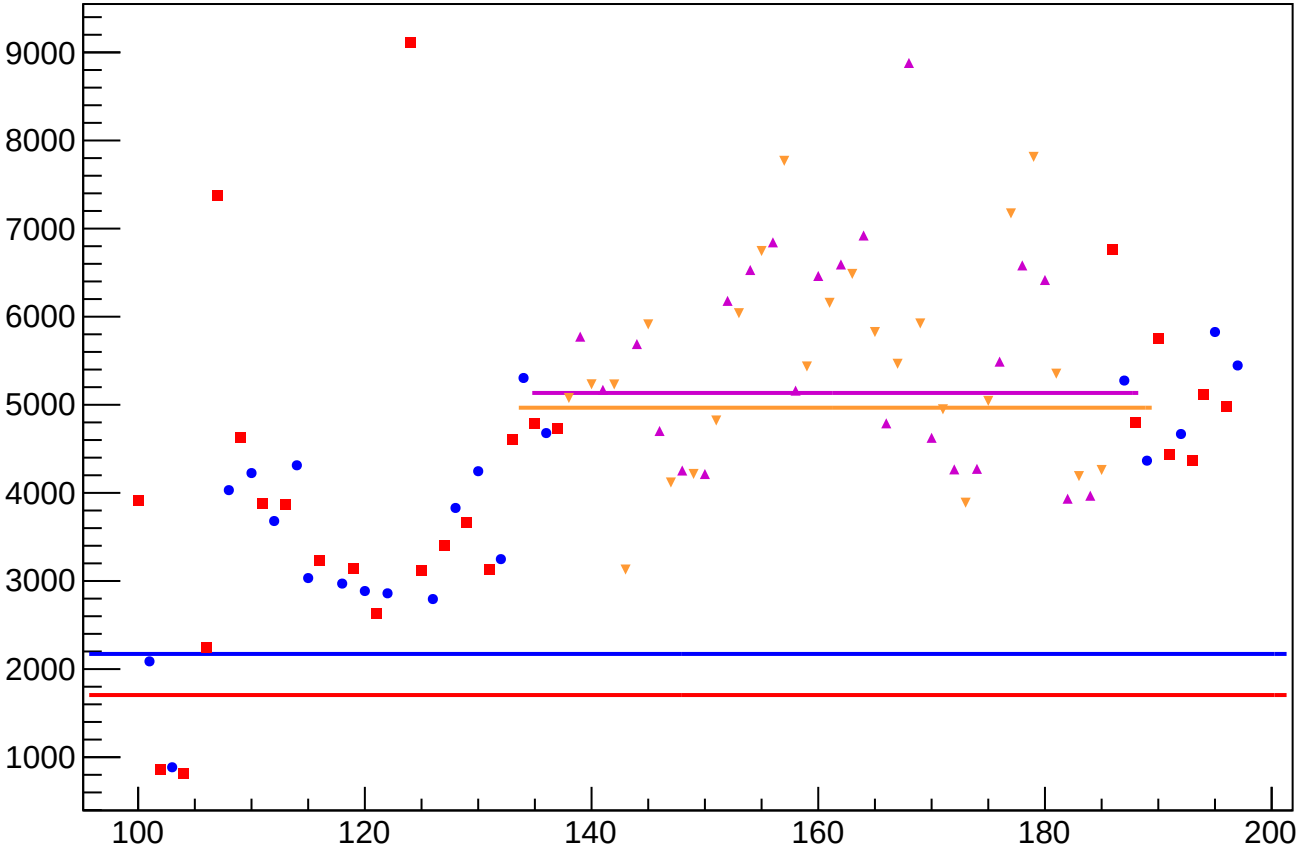
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign -377.341+/-674.485 χ^2/NDF: 55.1/45

All: -95.443+/-438.129 χ^2/NDF: 102.4/94

\- sign 110.328+/-576.259 χ^2/NDF: 47.1/48

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2172.070+/-0.585 χ^2/NDF: 6871634.6/20

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1705.455+/-0.461 χ^2/NDF: 10126404.0/25

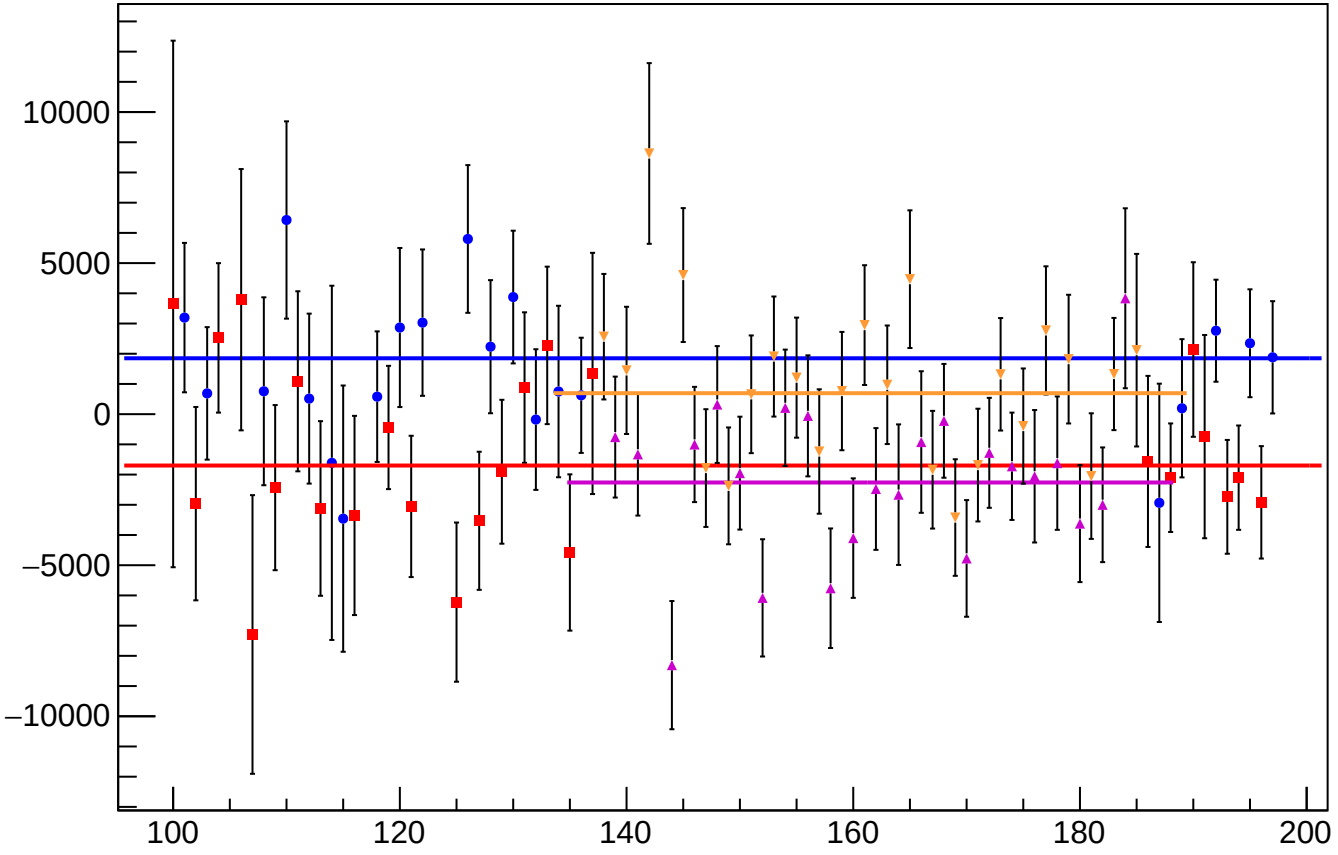
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3109.738+/-0.477 χ^2/NDF: 16445171.3/45

All: 2733.980+/-0.310 χ^2/NDF: 41282800.8/9

- sign 2459.697+/-0.407 χ^2/NDF: 23763802.9/48

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1849.888+/-521.428 χ^2/NDF: 12.6/20

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1700.451+/-510.500 χ^2/NDF: 20.2/24

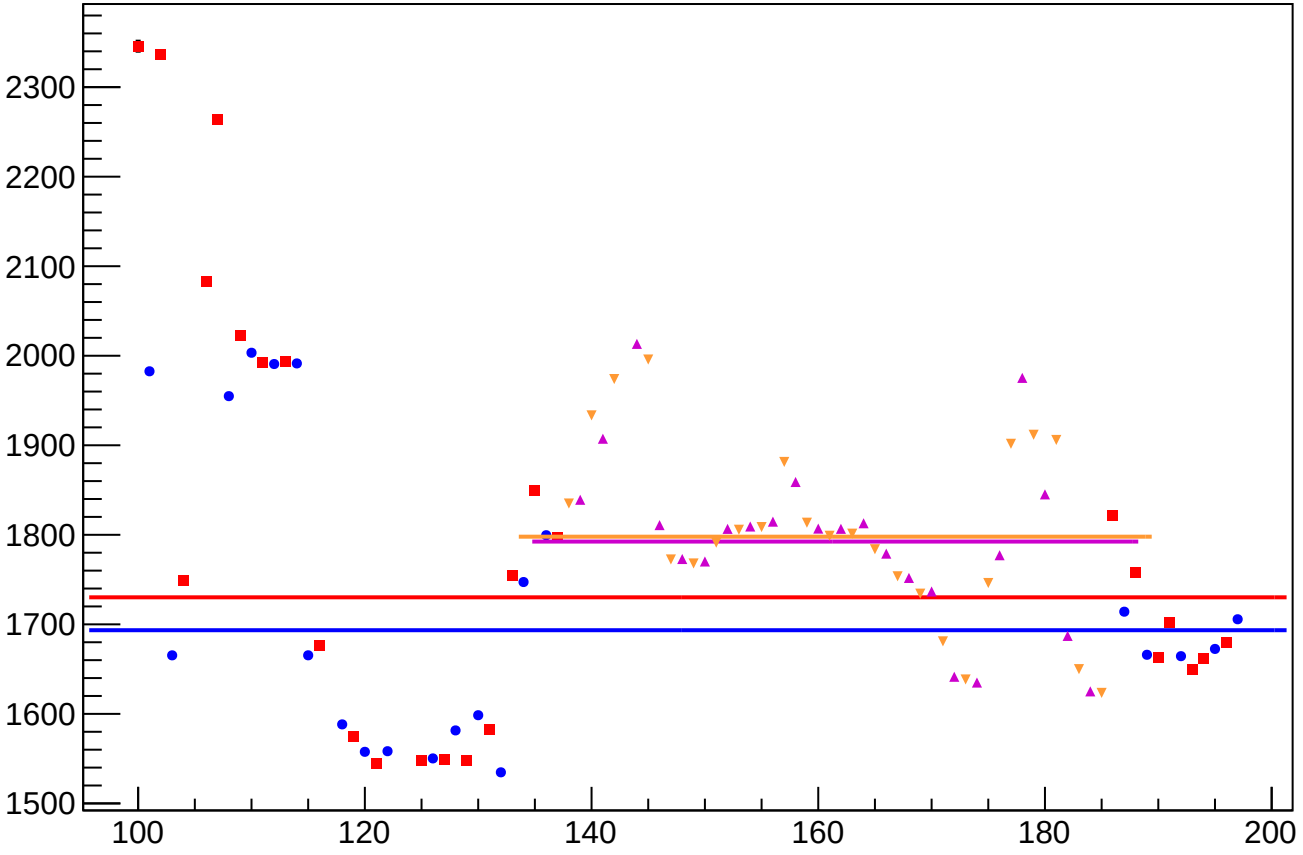
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1146.465+/-326.166 χ^2/NDF: 47.8/44

All: -455.425+/-229.850 χ^2/NDF: 147.0/92

- sign -2035.721+/-323.960 χ^2/NDF: 51.3/47

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1693.440+/-0.369 χ^2/NDF: 136947.9/20

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1730.184+/-0.360 χ^2/NDF: 262283.4/24

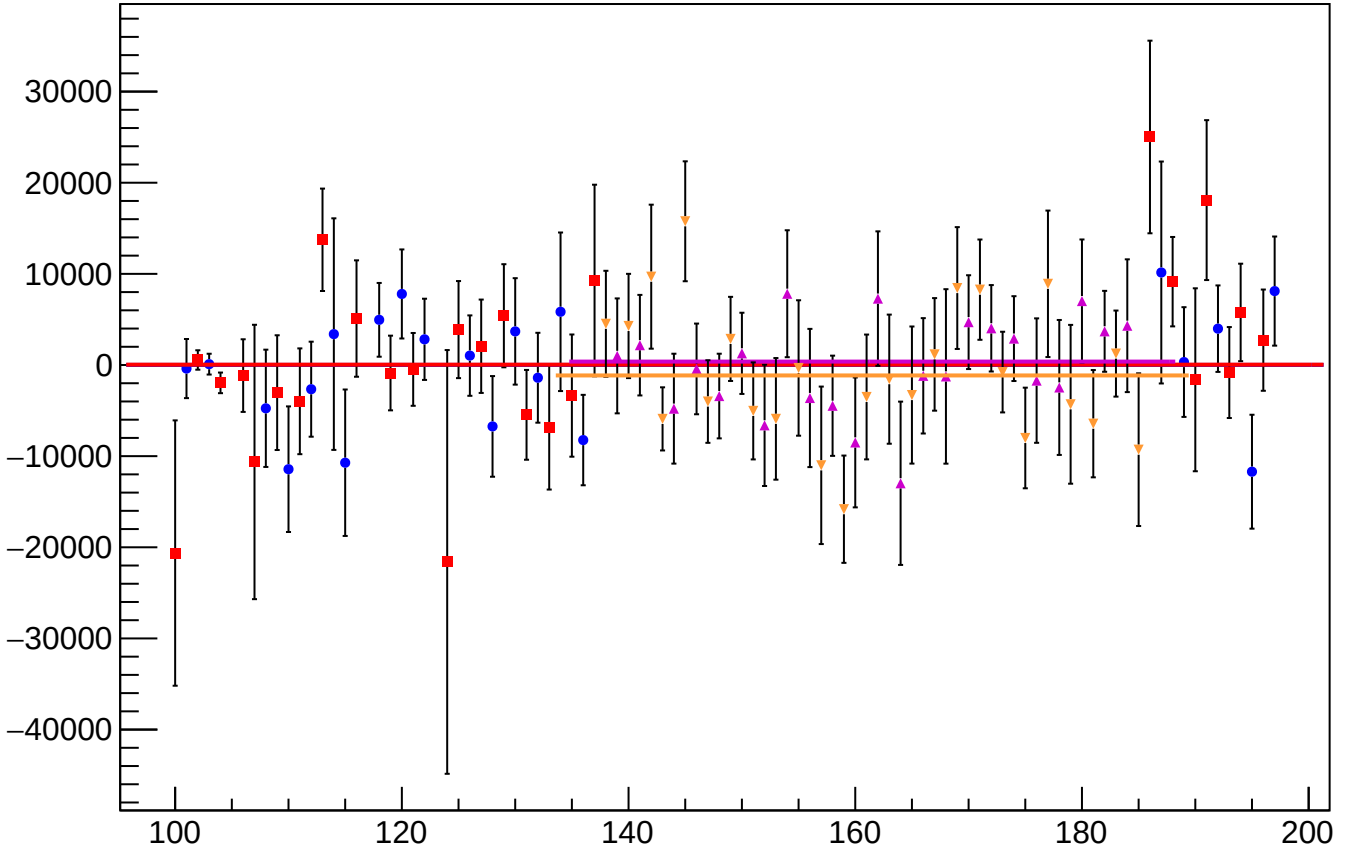
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1757.033+/-0.231 χ^2/NDF: 283823.8/44

All: 1762.222+/-0.162 χ^2/NDF: 657792.0/92

- sign 1767.335+/-0.229 χ^2/NDF: 372963.3/47

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 9.951+/-827.416 χ^2/NDF: 21.9/20

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 35.709+/-652.464 χ^2/NDF: 33.7/25

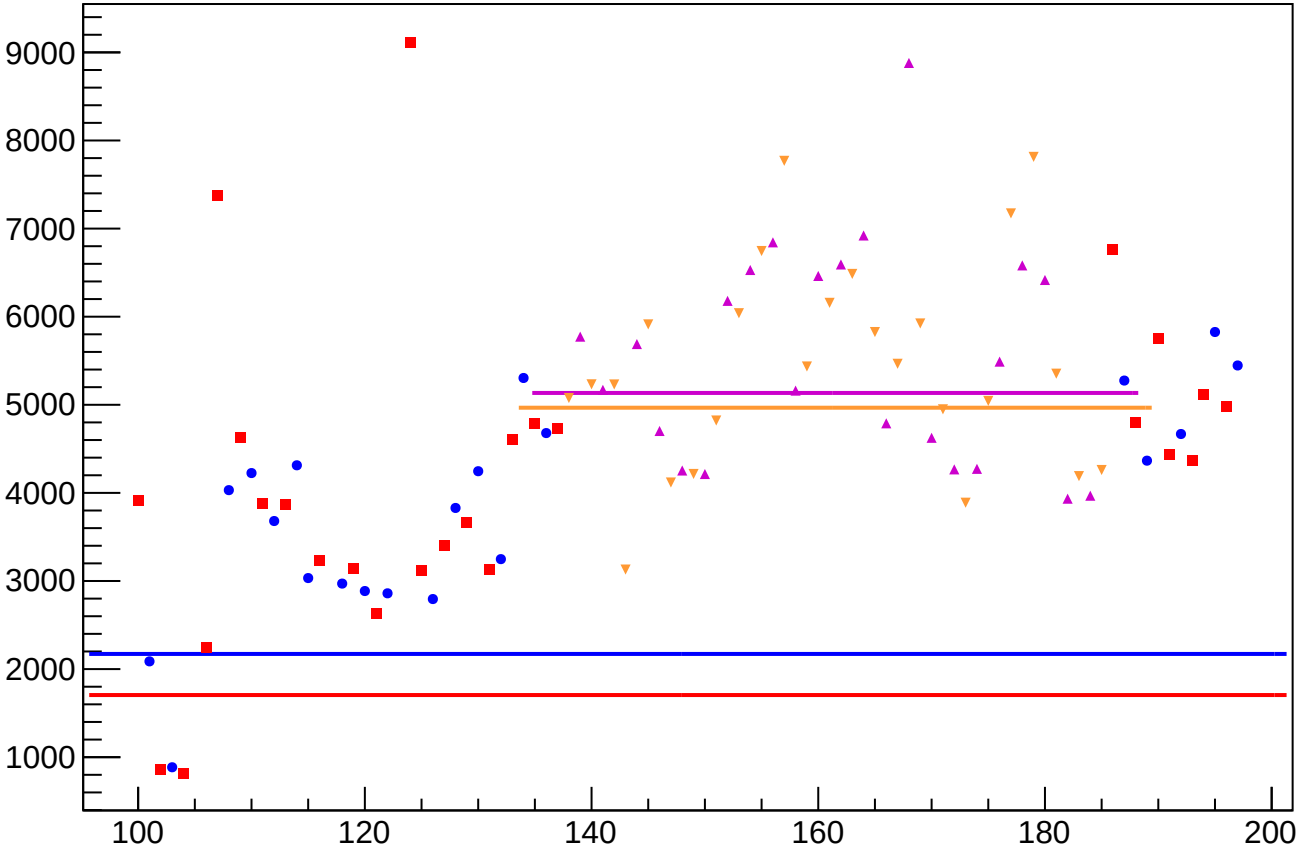
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -377.338+/-674.483 χ^2/NDF: 55.1/45

All: -95.444+/-438.127 χ^2/NDF: 102.4/94

\- sign 110.323+/-576.257 χ^2/NDF: 47.1/48

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2172.051+/-0.585 χ^2/NDF: 6871705.8/20

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1705.438+/-0.461 χ^2/NDF: 10126479.6/25

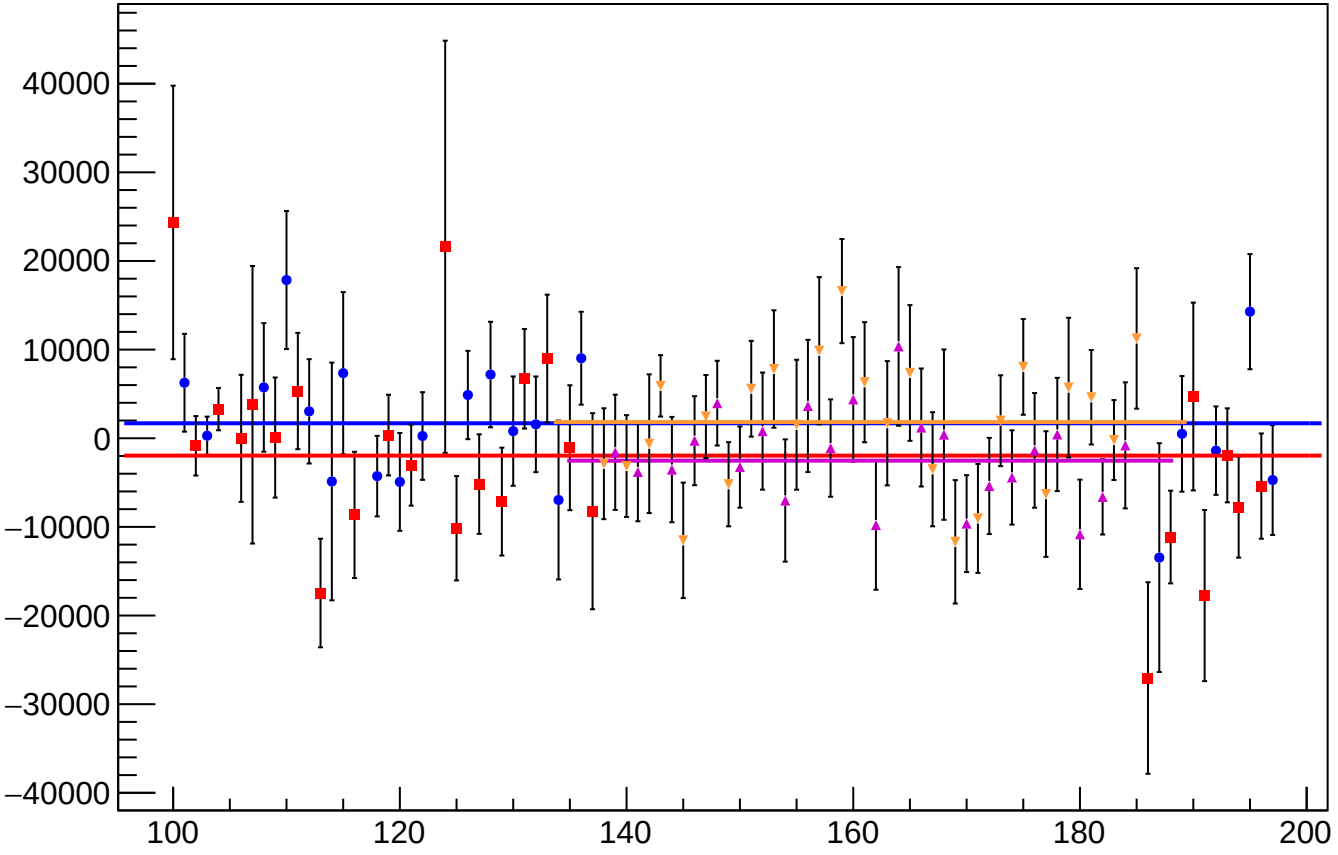
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3109.719+/-0.477 χ^2/NDF: 16445403.8/45

All: 2733.960+/-0.310 χ^2/NDF: 41283305.0/9

- sign 2459.676+/-0.407 χ^2/NDF: 23764060.1/48

asym_atl_avg_mean vs Slug



Right In: 1689.710+/-1154.589 χ^2/NDF: 20.4/20

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -1957.017+/-1112.259 χ^2/NDF: 39.0/25

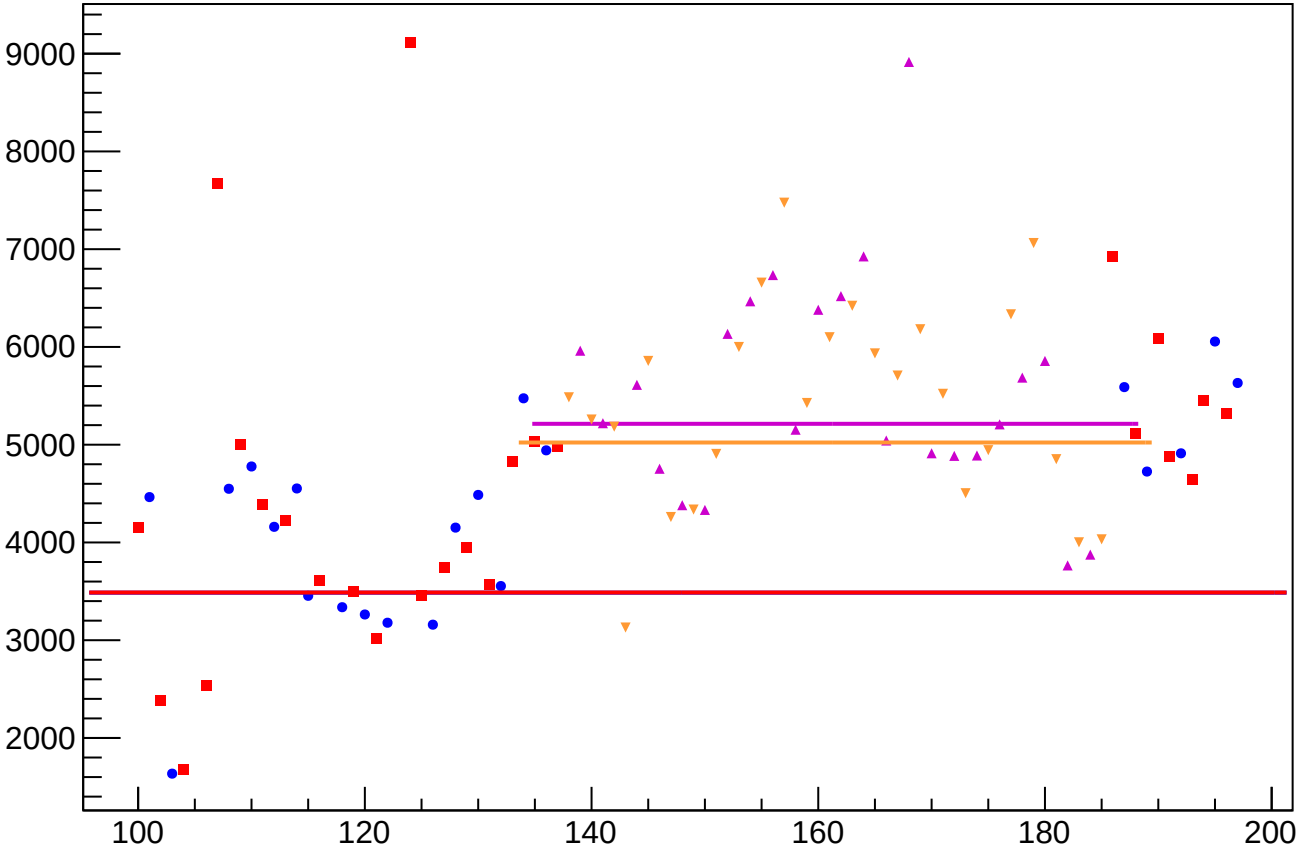
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

\+ sign 1756.907+/-822.670 χ^2/NDF: 51.5/45

All: -213.233+/-583.795 χ^2/NDF: 115.4/94

\- sign -2211.797+/-828.583 χ^2/NDF: 52.3/48

asym_atl_avg_rms vs Slug



Right In: 3486.299+/-0.816 χ^2/NDF: 2871963.1/20

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

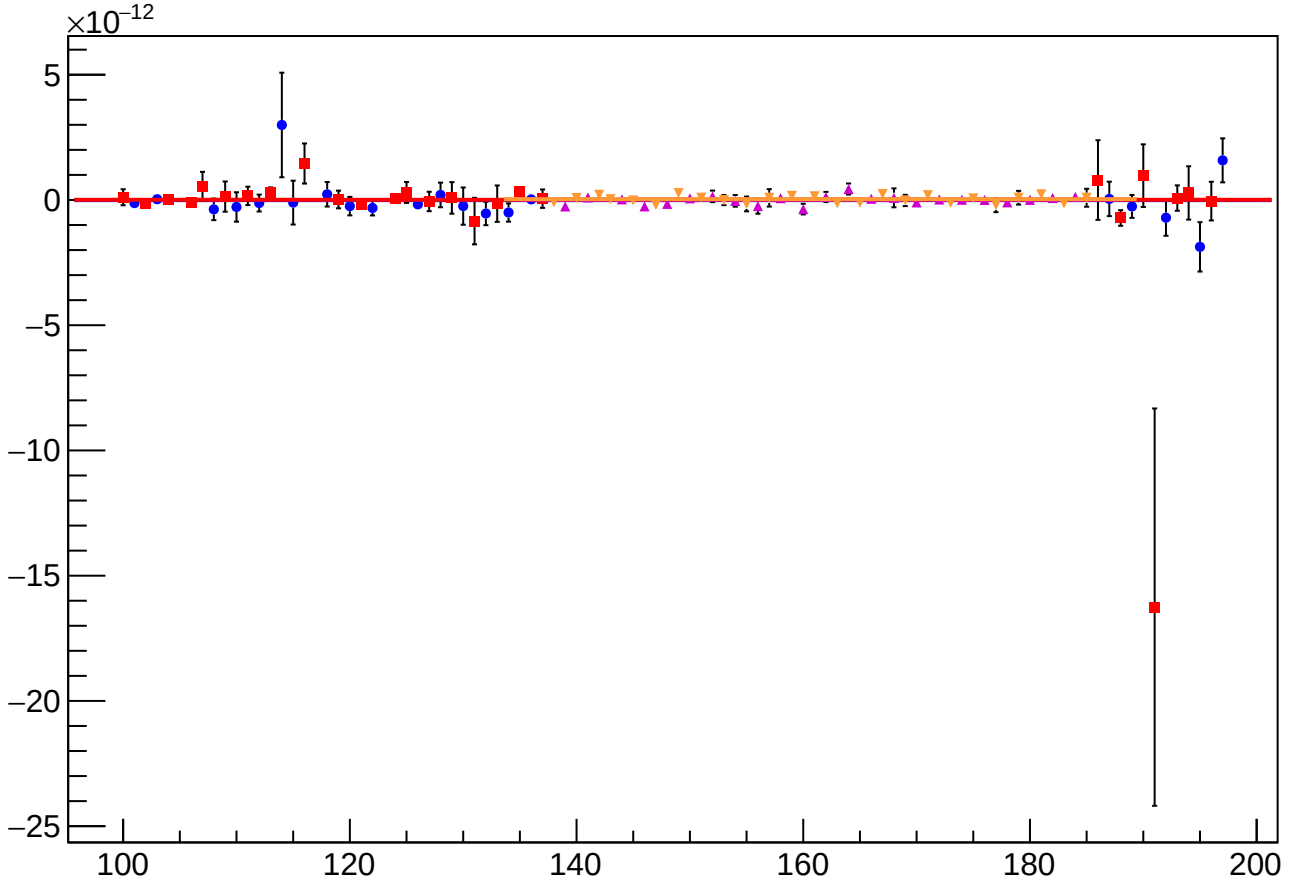
Right Out: 3488.044+/-0.777 χ^2/NDF: 3196461.2/25

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4242.544+/-0.582 χ^2/NDF: 6291427.2/45

All: 4243.891+/-0.411 χ^2/NDF: 12877511.9/9

- sign 4245.239+/-0.582 χ^2/NDF: 6586074.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

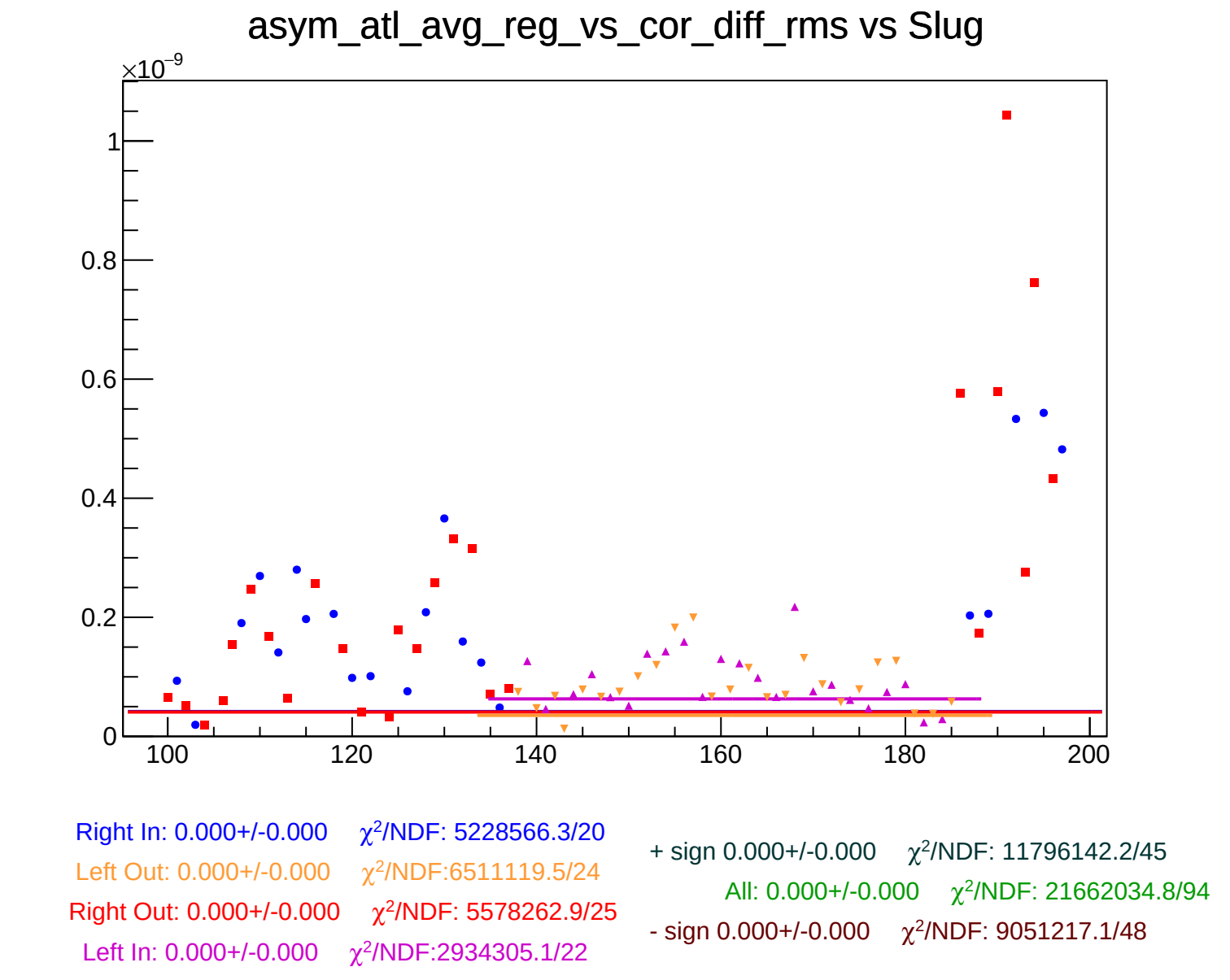
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/25

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

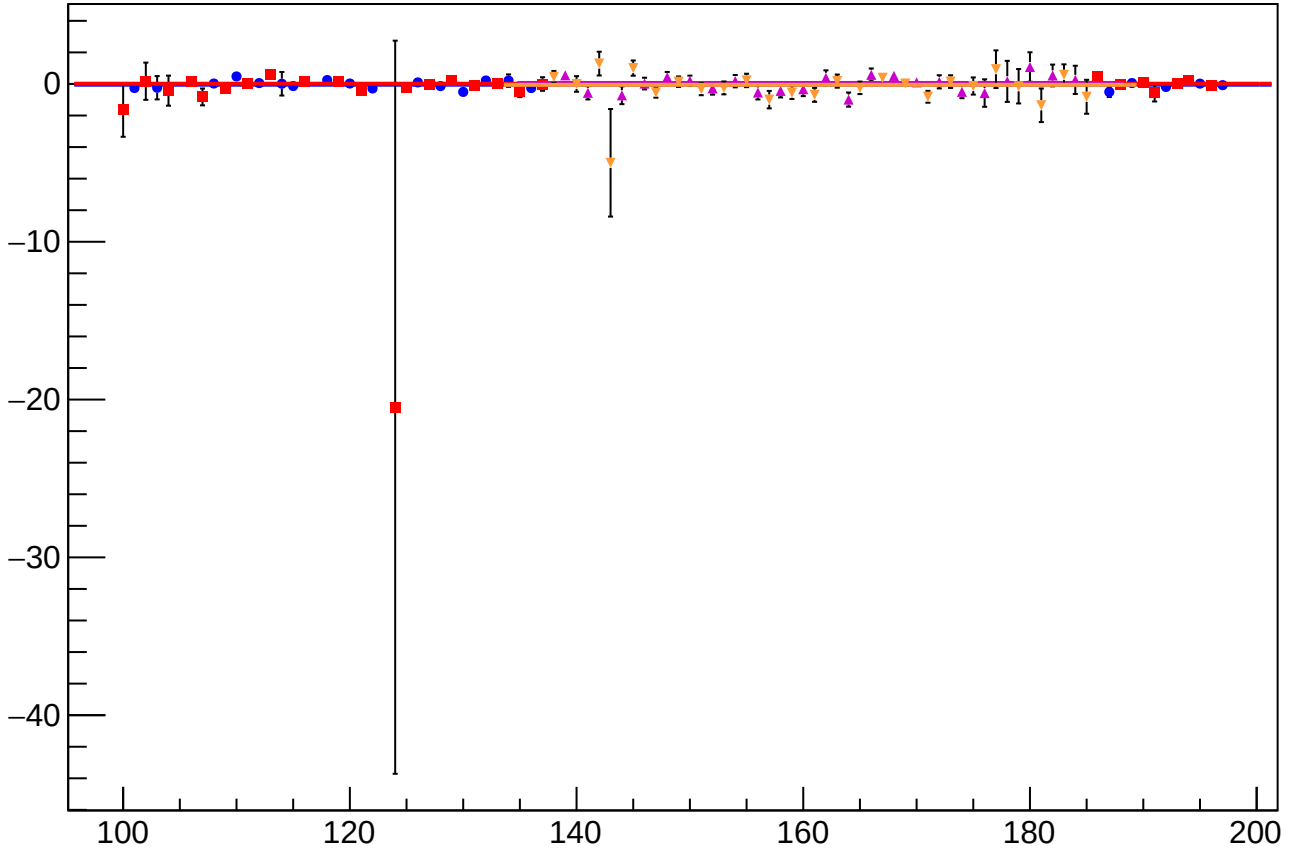
+ sign 0.000+/-0.000 χ^2/NDF: 44.7/45

All: 0.000+/-0.000 χ^2/NDF: 89.6/94

- sign 0.000+/-0.000 χ^2/NDF: 44.7/48


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: 5228566.3/20
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5578262.9/25
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
+ sign 0.000+/-0.000 χ²/NDF: 11796142.2/45
All: 0.000+/-0.000 χ²/NDF: 21662034.8/94
- sign 0.000+/-0.000 χ²/NDF: 9051217.1/48

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.051 χ^2/NDF: 20.2/20

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.015+/-0.042 χ^2/NDF: 28.9/25

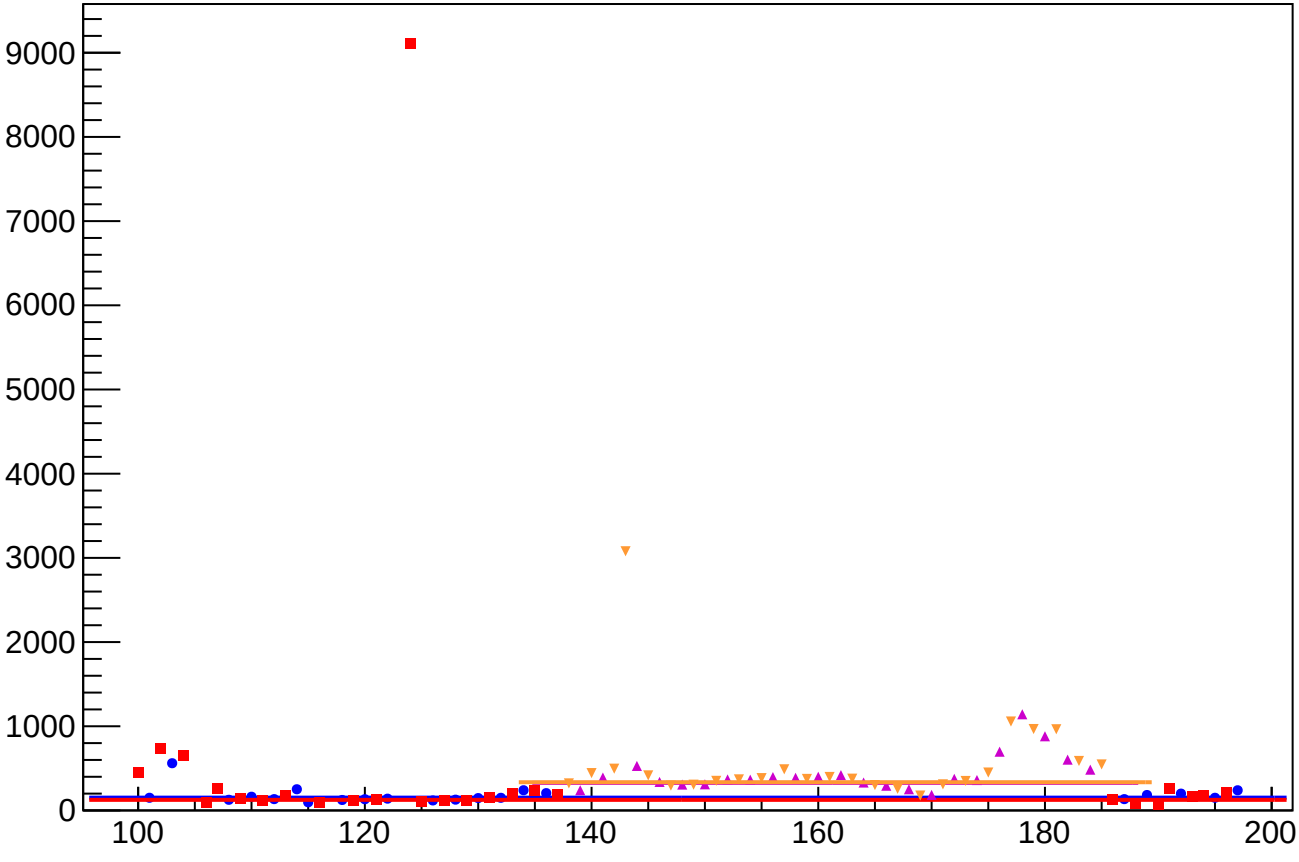
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 53.3/45

All: -0.006+/-0.028 χ^2/NDF: 112.0/94

- sign 0.025+/-0.038 χ^2/NDF: 57.1/48

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 152.212+/-0.036 χ^2/NDF: 1491677.5/20

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

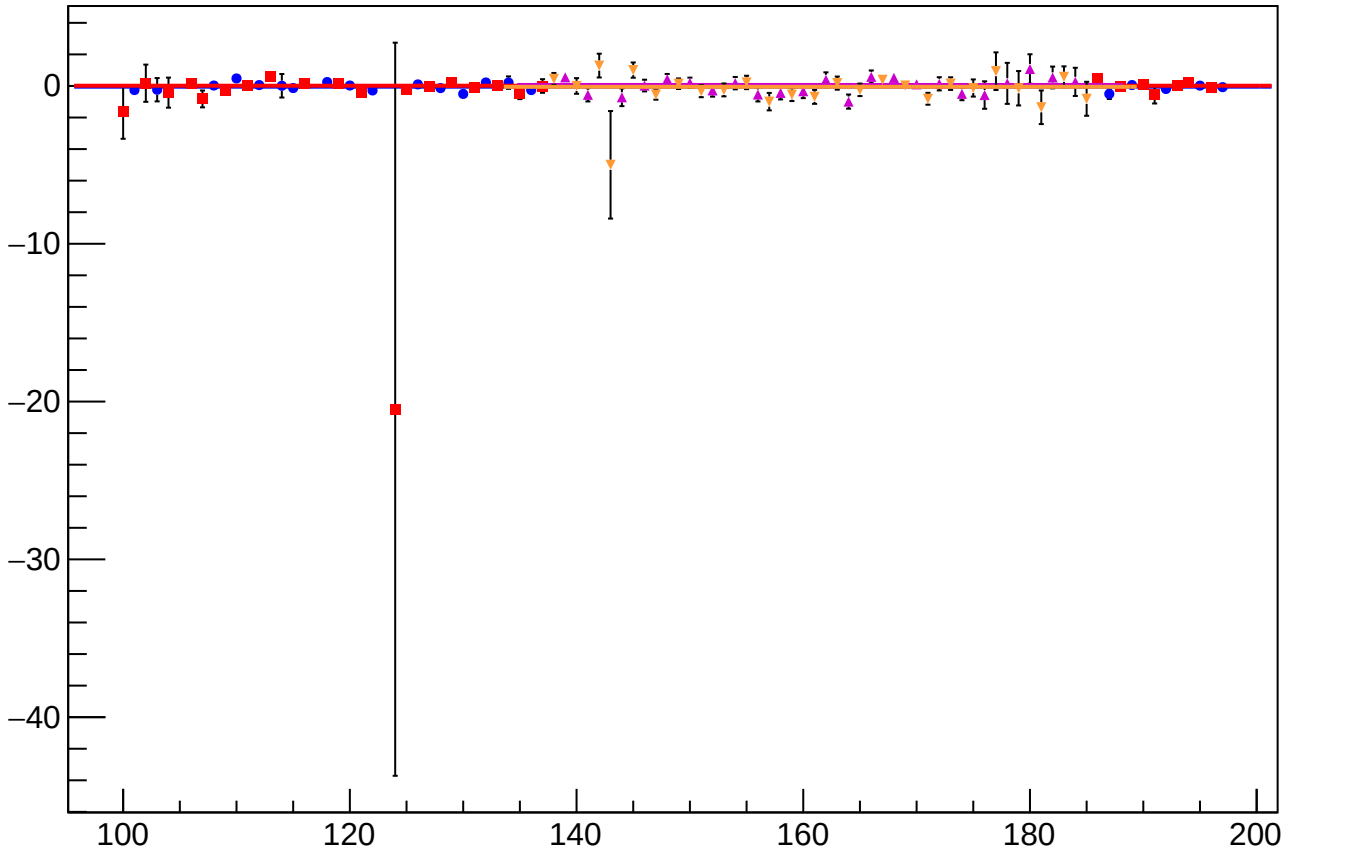
Right Out: 125.916+/-0.030 χ^2/NDF: 3494745.1/25

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 200.338+/-0.031 χ^2/NDF: 14235183.6/45

All: 181.546+/-0.020 χ^2/NDF: 31971325.3/94

- sign 167.469+/-0.027 χ^2/NDF: 17080153.8/48



Right In: -0.044+/-0.051 χ^2/NDF: 20.2/20

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.015+/-0.042 χ^2/NDF: 28.9/25

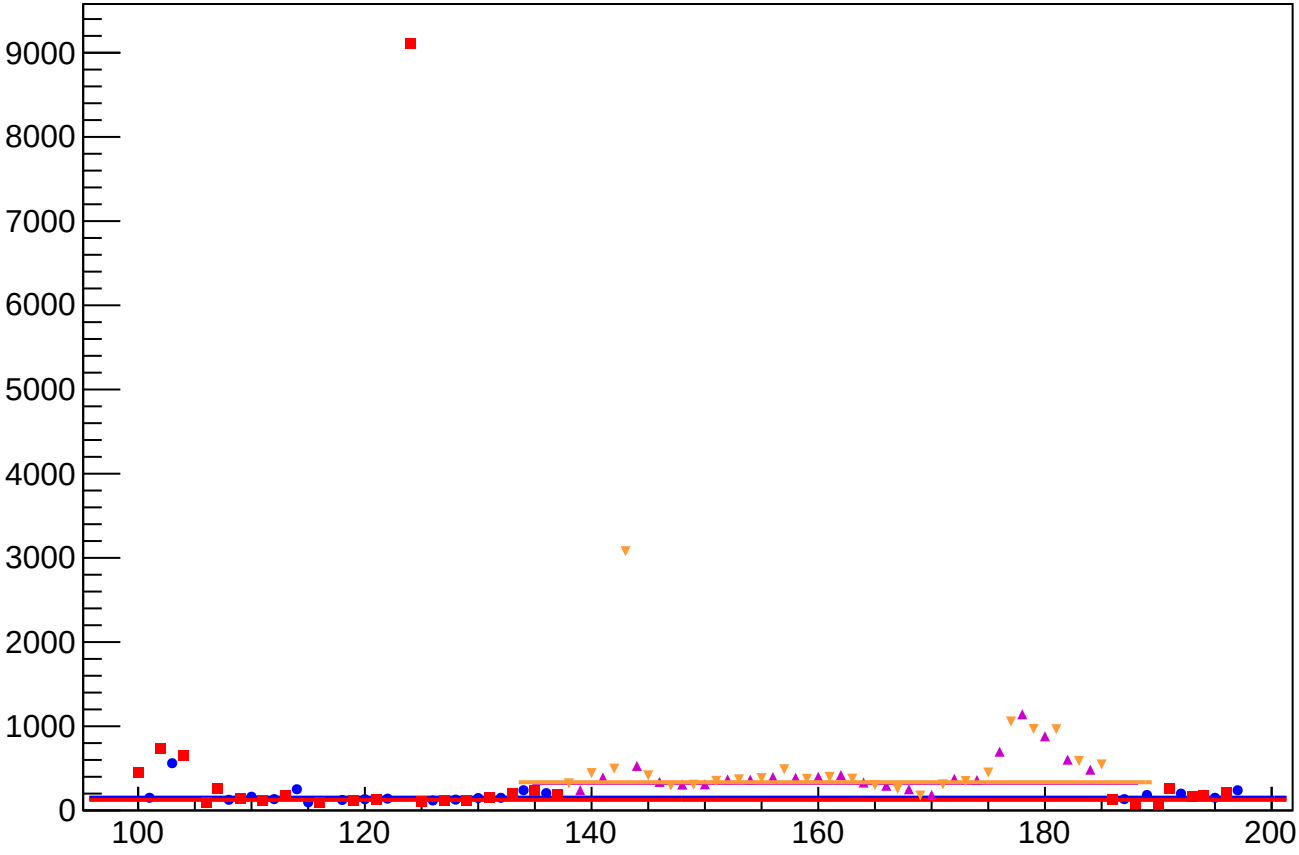
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 53.3/45

All: -0.006+/-0.028 χ^2/NDF: 112.0/94

- sign 0.025+/-0.038 χ^2/NDF: 57.1/48

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 152.212+/-0.036 χ^2/NDF: 1491677.5/20

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

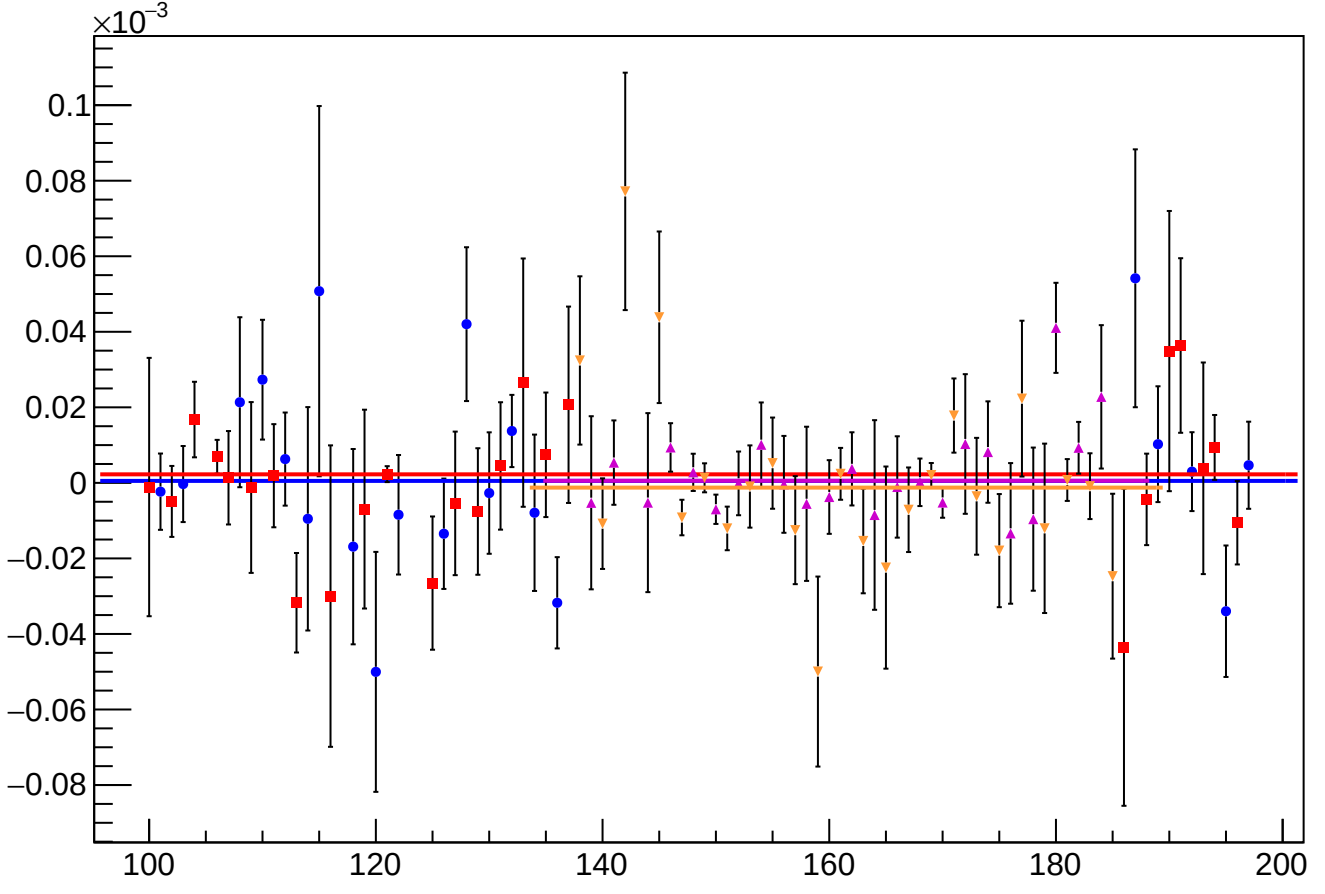
Right Out: 125.916+/-0.030 χ^2/NDF: 3494745.1/25

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 200.338+/-0.031 χ^2/NDF: 14235183.6/45

All: 181.546+/-0.020 χ^2/NDF: 31971325.3/94

- sign 167.469+/-0.027 χ^2/NDF: 17080153.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/24

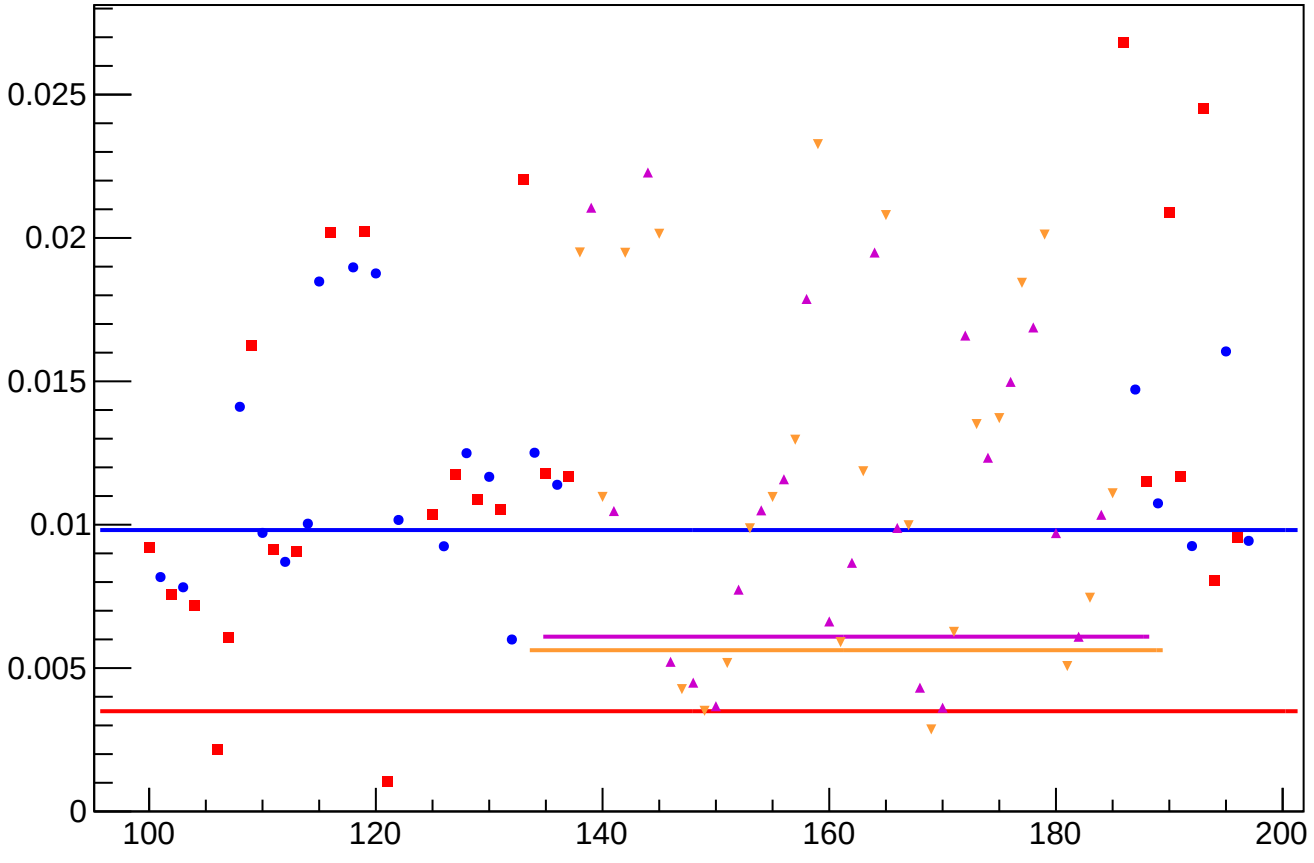
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.8/44

All: 0.000+/-0.000 χ^2/NDF: 115.4/92

- sign 0.000+/-0.000 χ^2/NDF: 48.1/47

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1457675.0/20

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

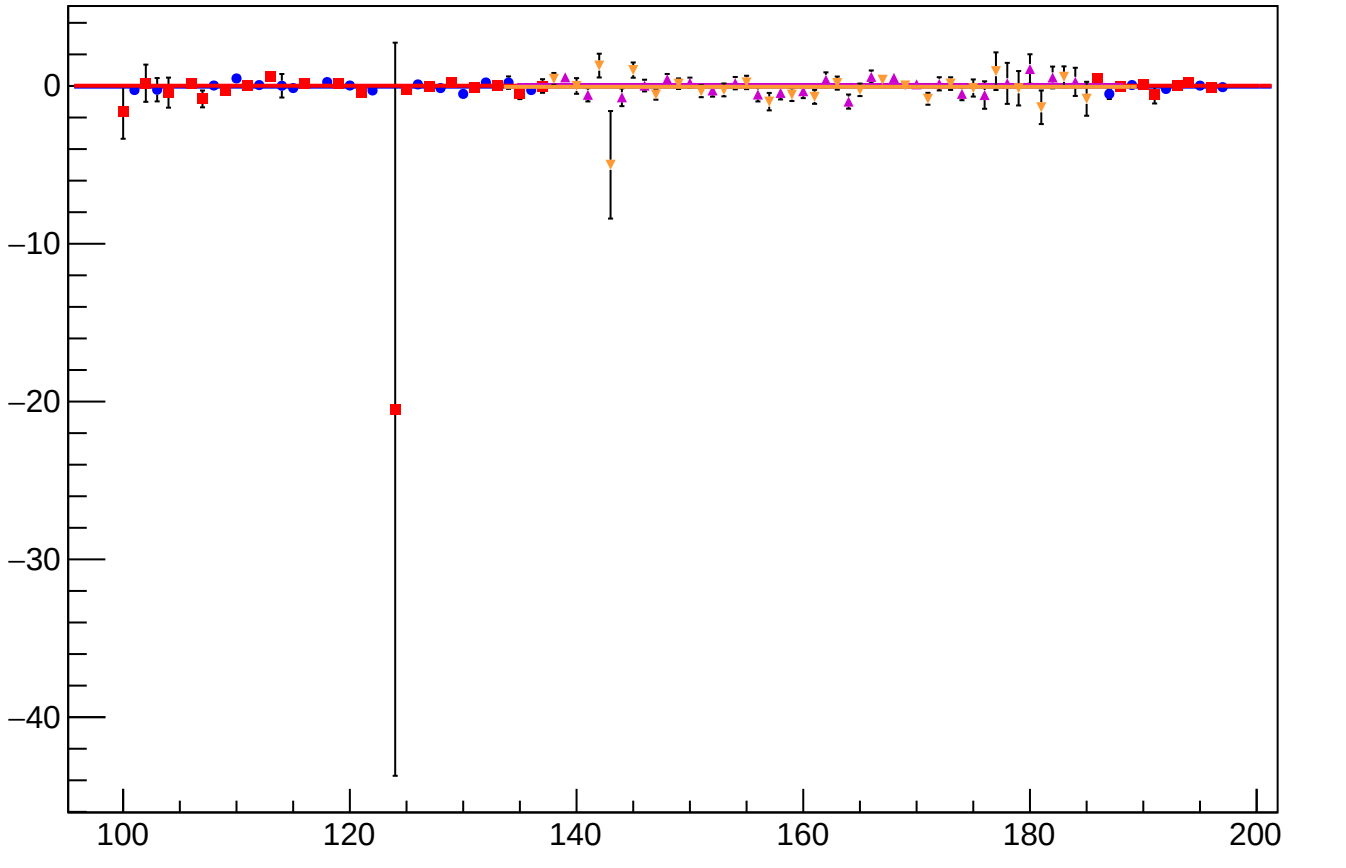
Right Out: 0.003+/-0.000 χ^2/NDF: 13368143.8/24

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 15345239.2/44

All: 0.005+/-0.000 χ^2/NDF: 41615886.6/92

- sign 0.005+/-0.000 χ^2/NDF: 24545325.9/47



Right In: -0.044+/-0.051 χ^2/NDF: 20.2/20

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.015+/-0.042 χ^2/NDF: 28.9/25

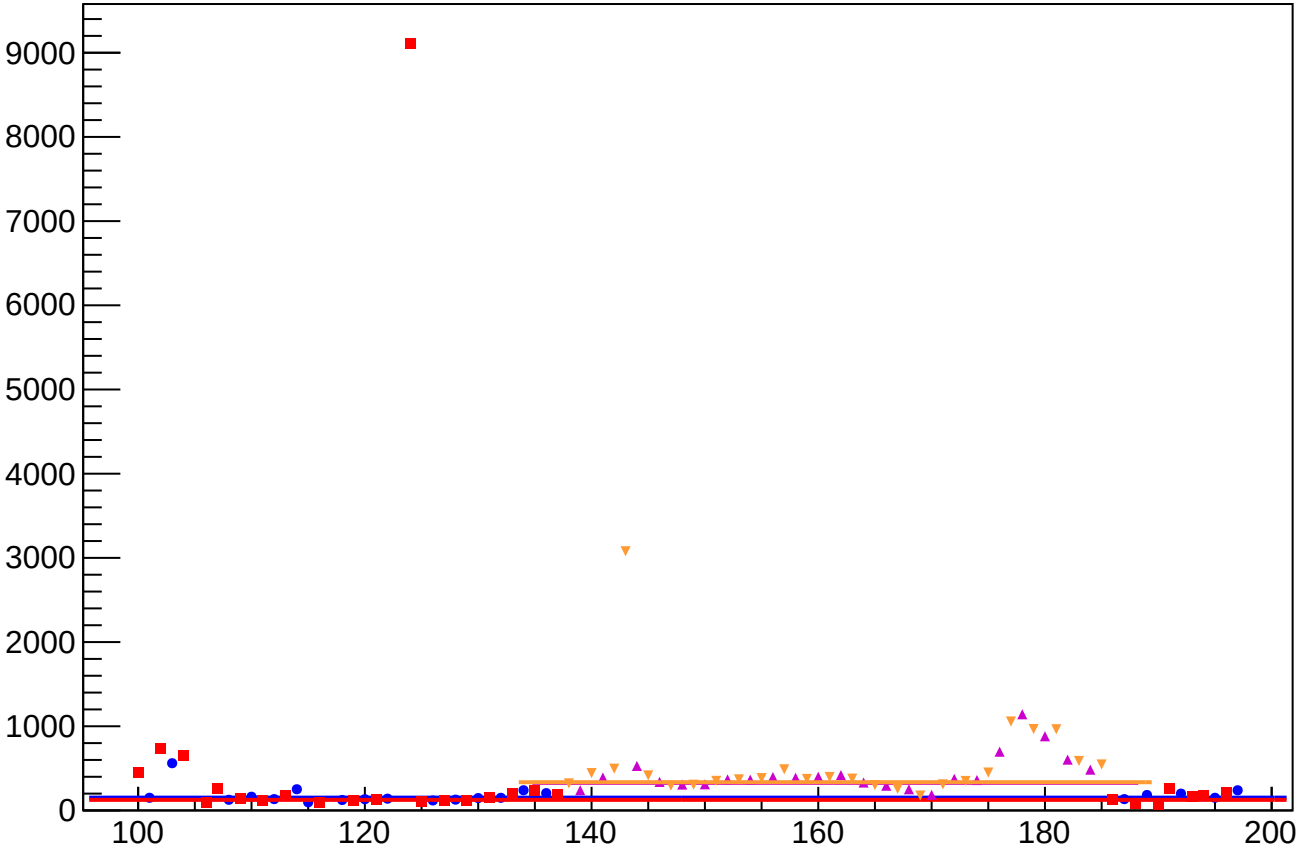
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 53.3/45

All: -0.006+/-0.028 χ^2/NDF: 112.0/94

- sign 0.025+/-0.038 χ^2/NDF: 57.1/48

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 152.211+/-0.036 χ^2/NDF: 1491701.9/20

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

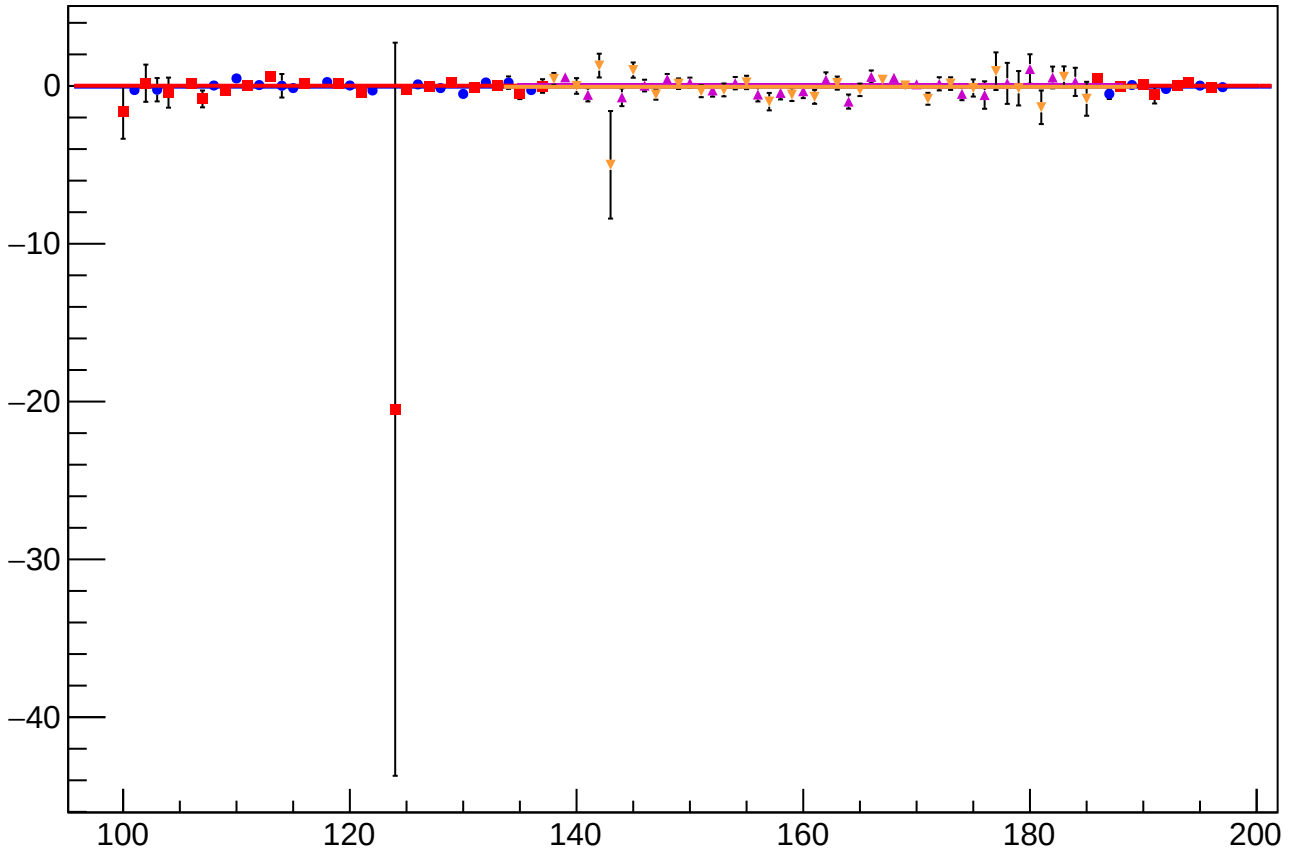
Right Out: 125.913+/-0.030 χ^2/NDF: 3494743.7/25

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 200.337+/-0.031 χ^2/NDF: 14235484.8/45

All: 181.544+/-0.020 χ^2/NDF: 31972075.4/94

- sign 167.467+/-0.027 χ^2/NDF: 17080547.1/48



Right In: -0.044+/-0.051 χ^2/NDF: 20.2/20

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

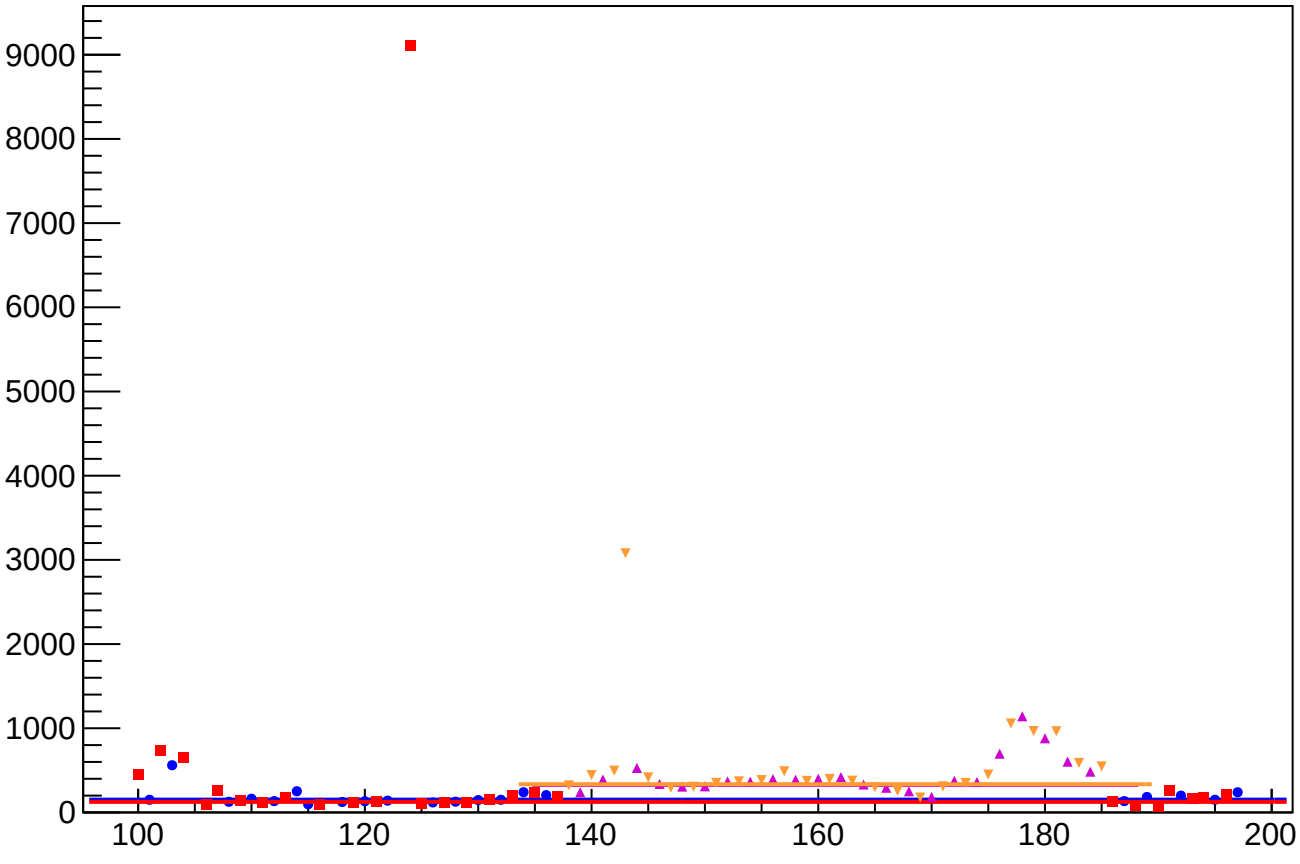
Right Out: 0.015+/-0.042 χ^2/NDF: 28.9/25

Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.043 χ^2/NDF: 53.3/45

All: -0.006+/-0.028 χ^2/NDF: 112.0/94

- sign 0.025+/-0.038 χ^2/NDF: 57.1/48



Right In: 152.211+/-0.036 χ^2/NDF: 1491701.9/20

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

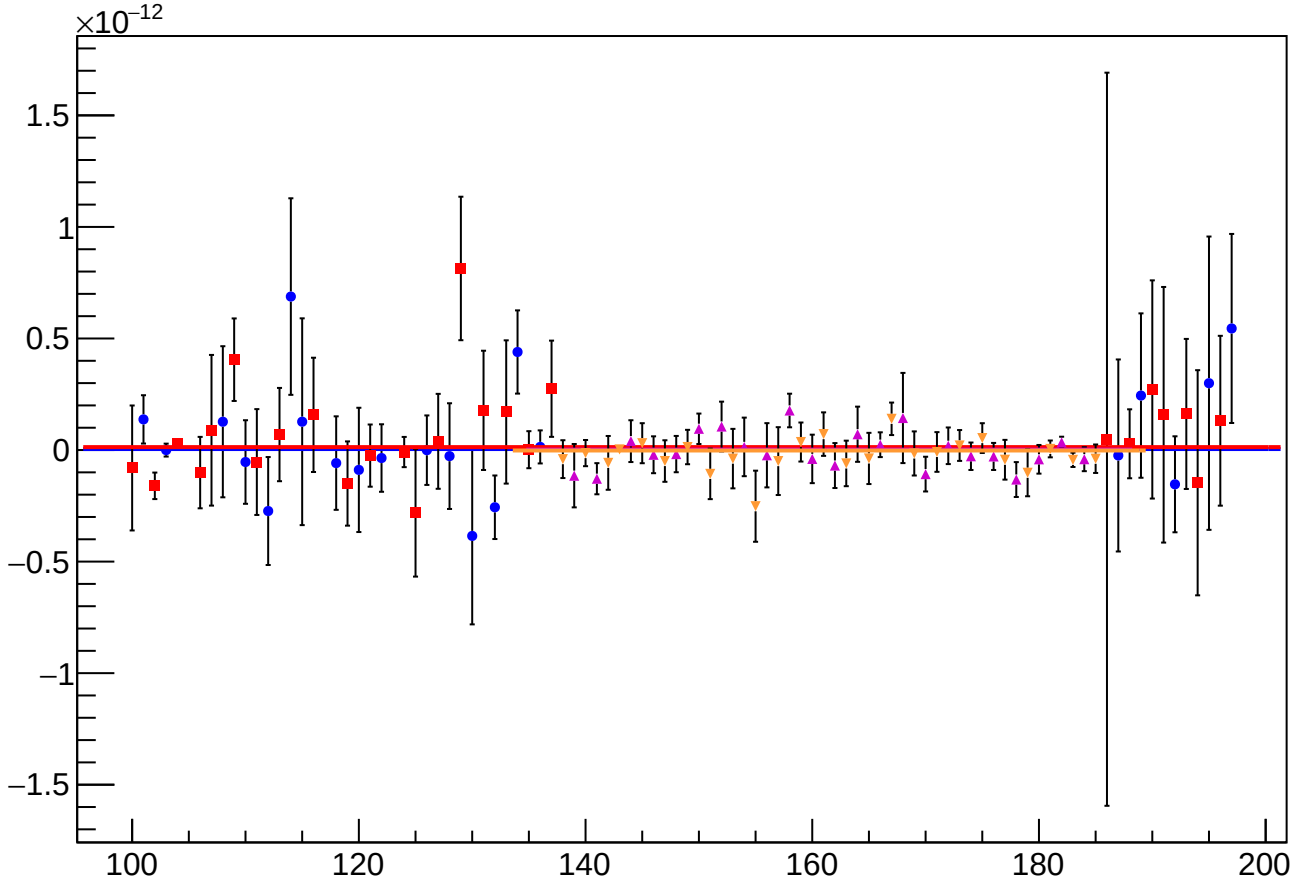
Right Out: 125.913+/-0.030 χ^2/NDF: 3494743.7/25

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 200.337+/-0.031 χ^2/NDF: 14235484.8/45

All: 181.544+/-0.020 χ^2/NDF: 31972075.4/94

- sign 167.467+/-0.027 χ^2/NDF: 17080547.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/25

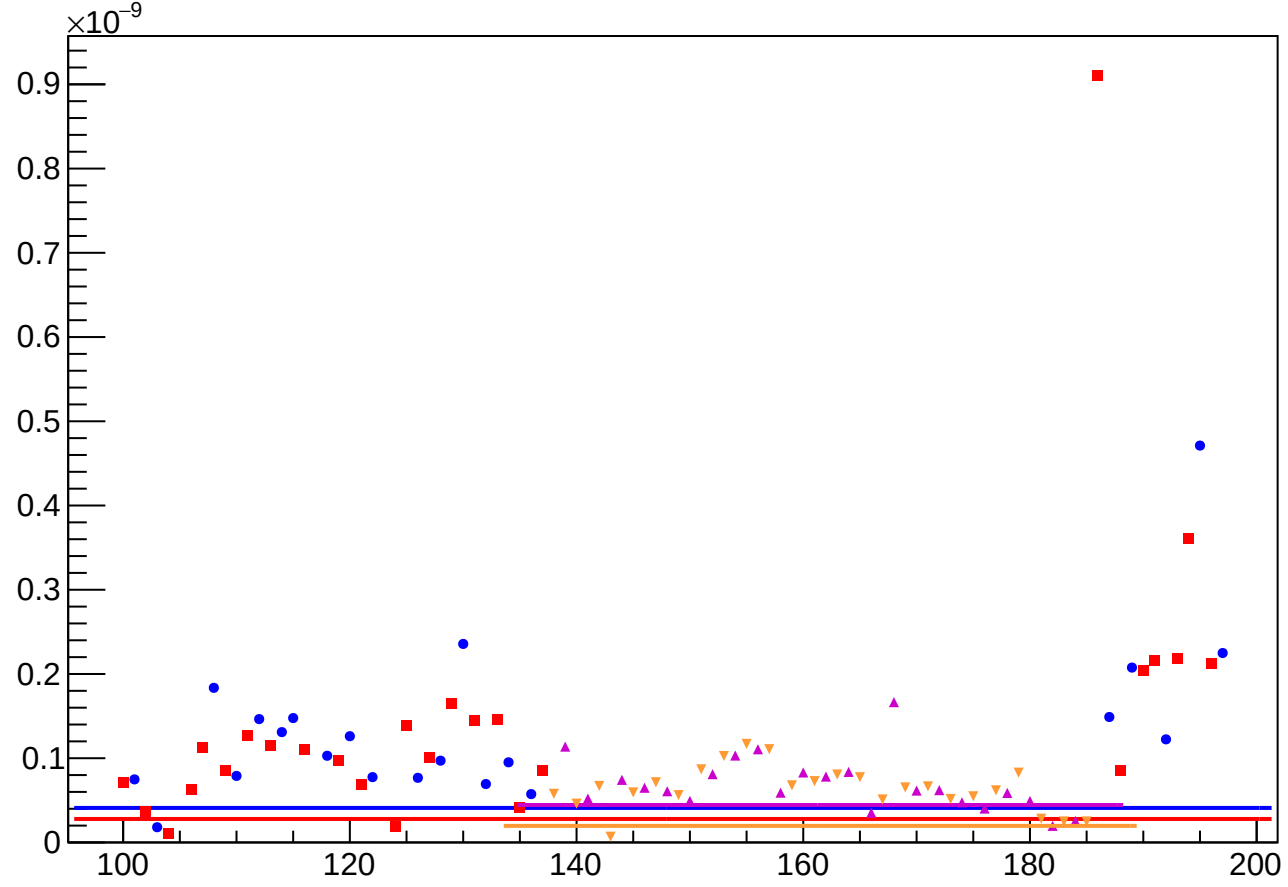
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.1/45

All: 0.000+/-0.000 χ^2/NDF: 81.0/94

- sign 0.000+/-0.000 χ^2/NDF: 48.6/48

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6032821.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8057808.8/25

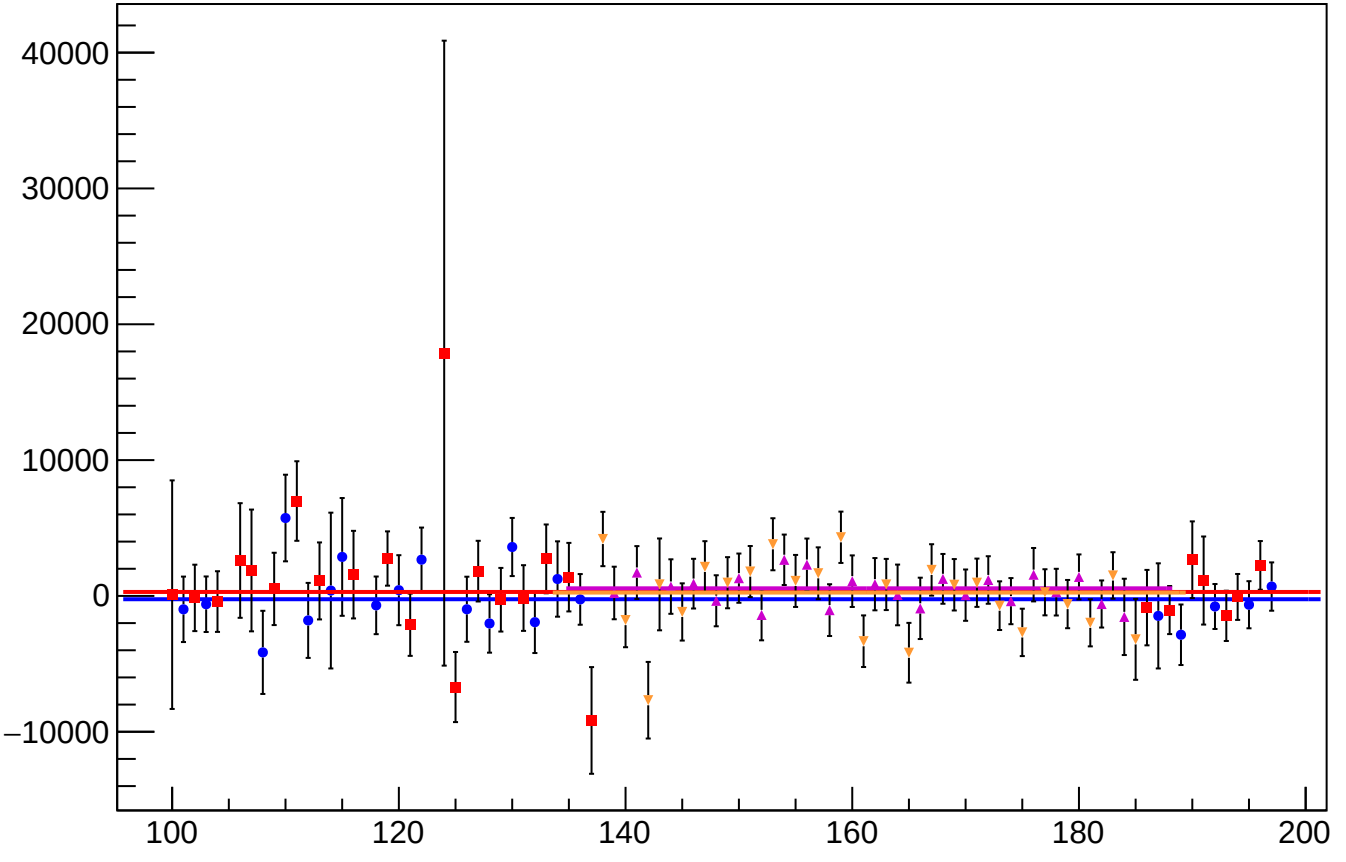
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

\+ sign 0.000+/-0.000 χ^2/NDF: 22366793.8/45

All: 0.000+/-0.000 χ^2/NDF: 40185868.4/94

\- sign 0.000+/-0.000 χ^2/NDF: 15002319.7/48

reg_asym_atl_dd_mean vs Slug



Right In: -243.109+/-507.406 χ^2/NDF: 14.5/20

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 292.432+/-493.069 χ^2/NDF: 27.7/25

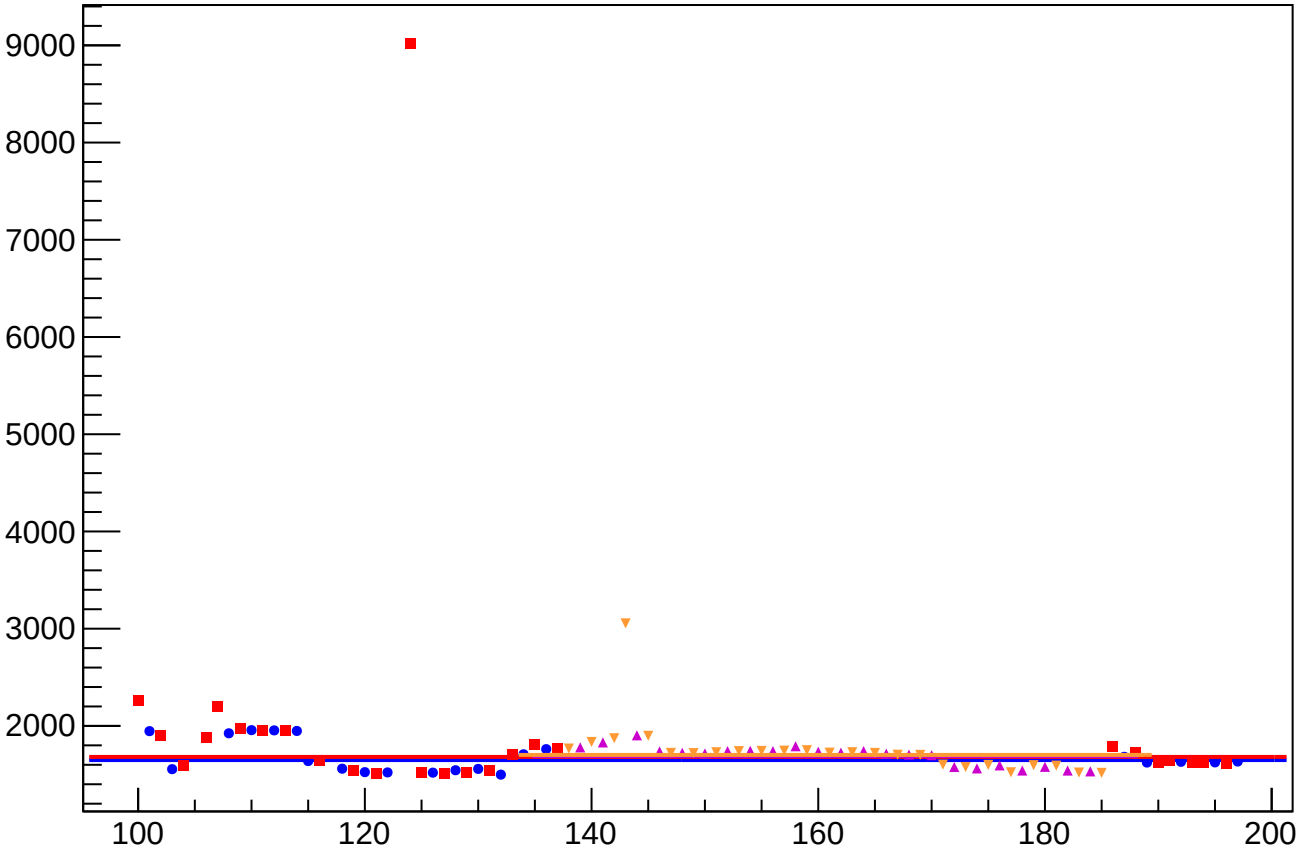
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 66.453+/-308.630 χ^2/NDF: 54.7/45

All: 261.099+/-218.128 χ^2/NDF: 90.9/94

- sign 455.368+/-308.330 χ^2/NDF: 35.4/48

reg_asym_atl_dd_rms vs Slug



Right In: 1648.645+/-0.359 χ^2/NDF: 145517.7/20

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1680.962+/-0.348 χ^2/NDF: 399517.9/25

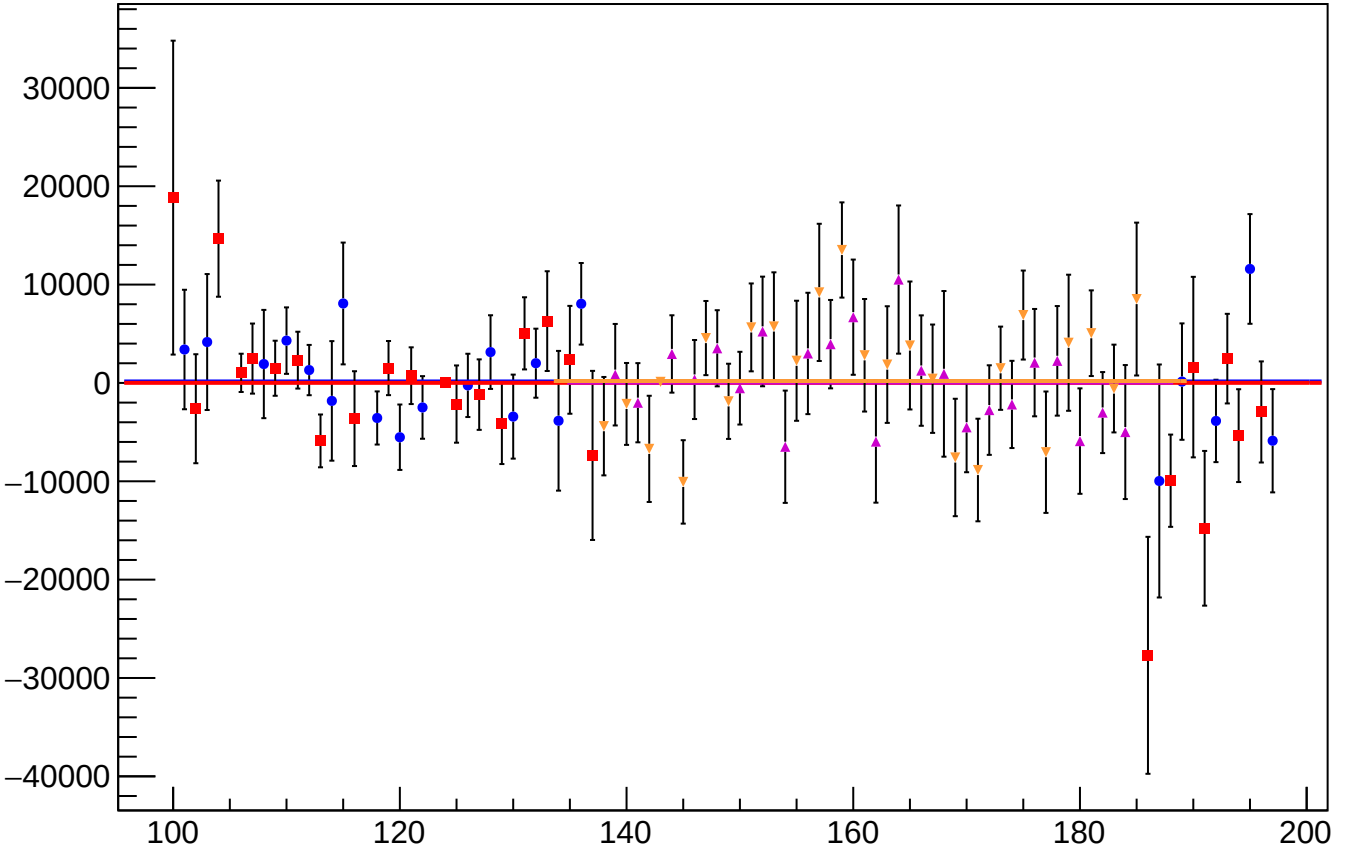
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

\+ sign 1681.997+/-0.218 χ^2/NDF: 611612.3/45

All: 1684.004+/-0.154 χ^2/NDF: 1133963.0/94

\- sign 1686.003+/-0.218 χ^2/NDF: 522181.9/48

asym_atl_dd_reg_correction_mean vs Slug



Right In: 148.940+/-896.662 χ^2/NDF: 22.4/20

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 10.516+/-320.189 χ^2/NDF: 36.2/25

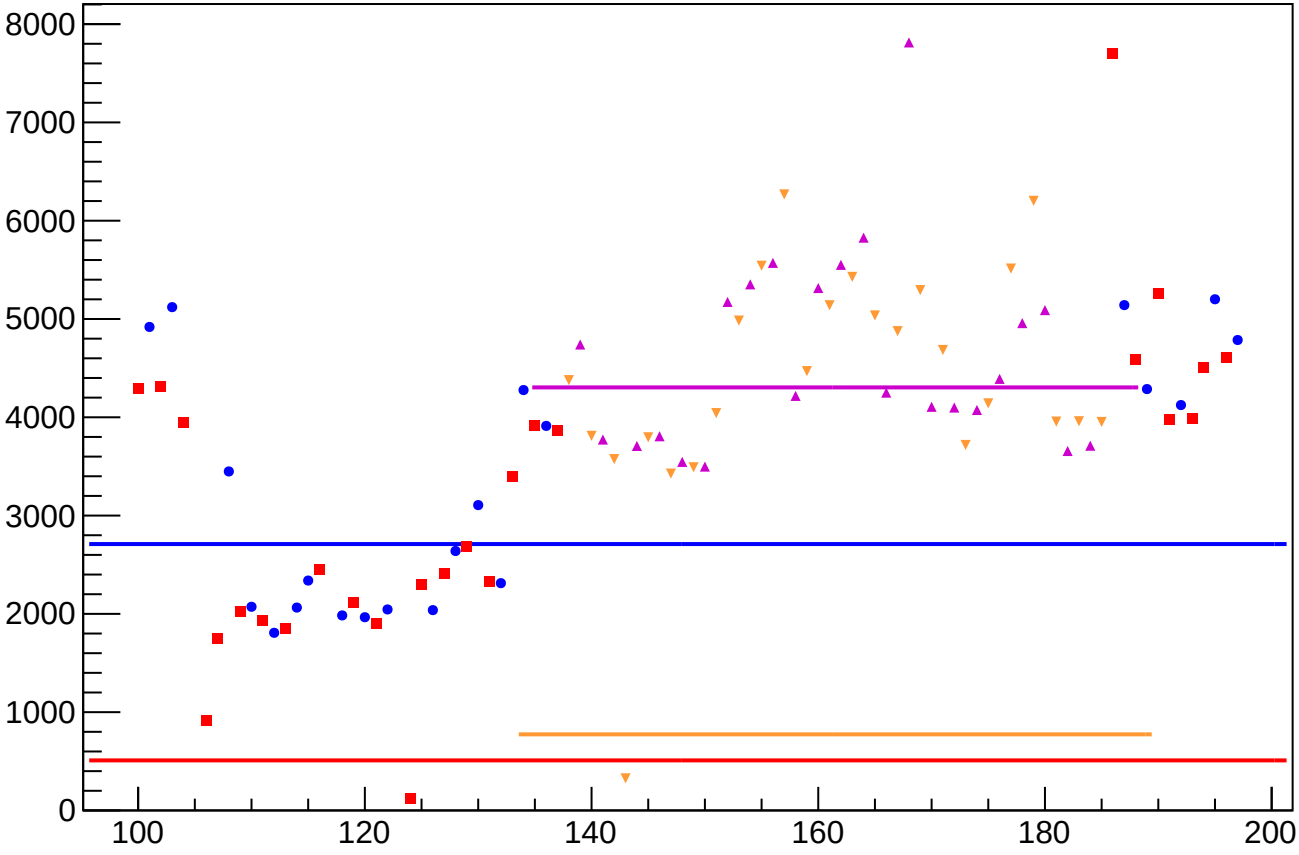
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 187.811+/-320.468 χ^2/NDF: 56.3/45

All: 95.813+/-221.175 χ^2/NDF: 106.0/94

- sign 12.134+/-305.637 χ^2/NDF: 49.5/48

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2710.204+/-0.634 χ^2/NDF: 2788204.5/20

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 509.361+/-0.226 χ^2/NDF: 18243231.4/25

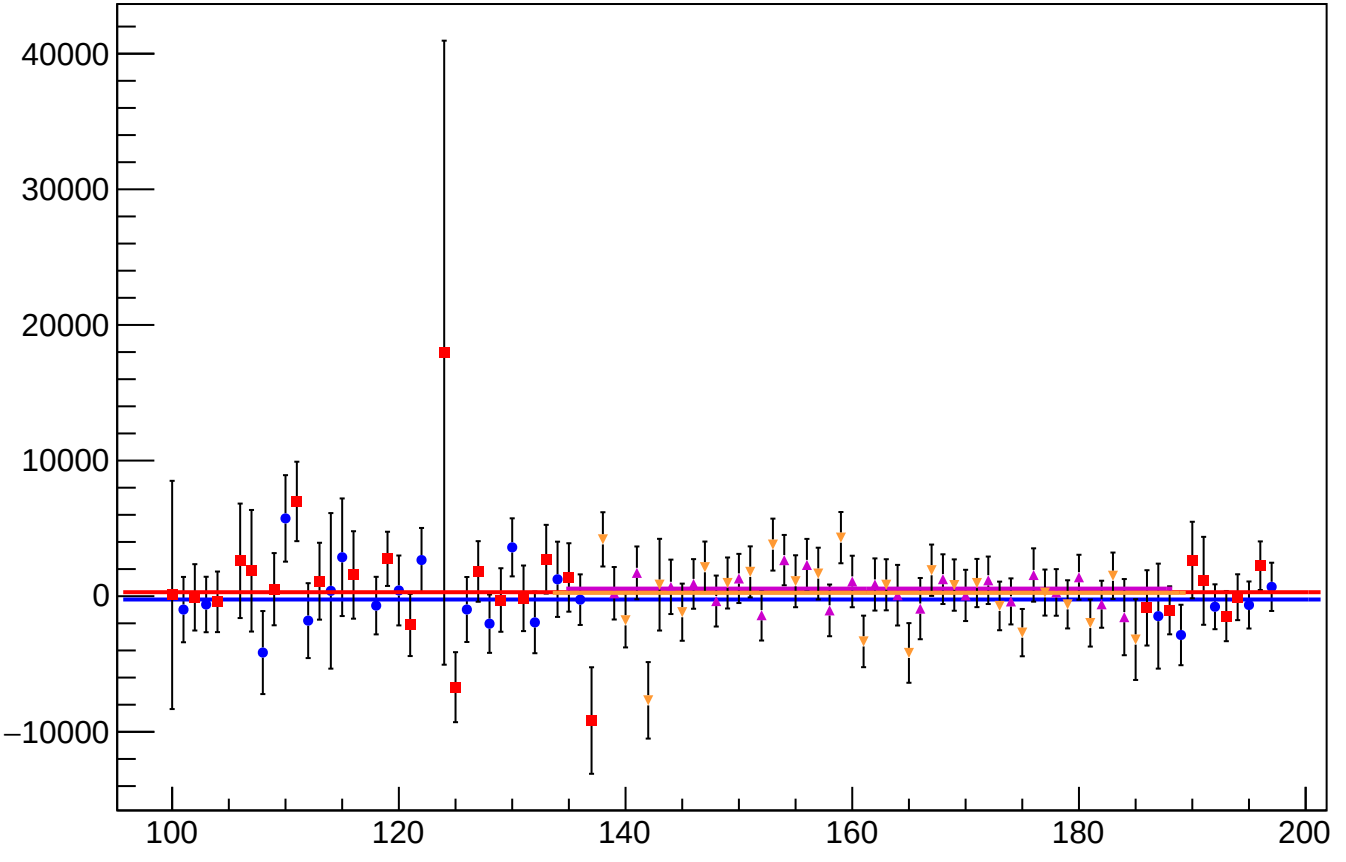
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1021.524+/-0.227 χ^2/NDF: 39006196.8/45

All: 929.835+/-0.156 χ^2/NDF: 83731306.0/94

- sign 846.437+/-0.216 χ^2/NDF: 44412476.3/48

cor_asym_atl_dd_mean vs Slug



Right In: -243.164+/-507.406 χ^2/NDF: 14.5/20

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 295.043+/-493.071 χ^2/NDF: 27.7/25

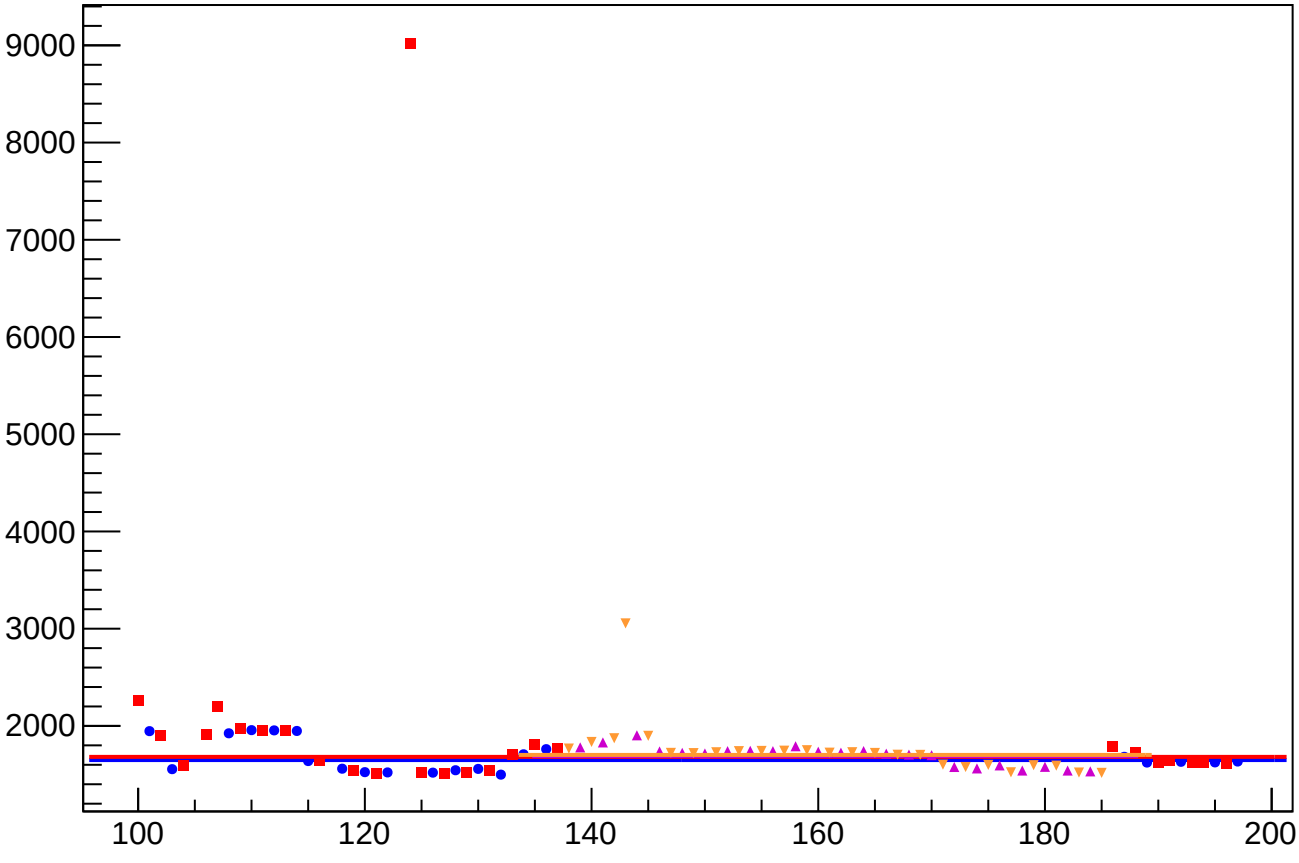
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 66.421+/-308.630 χ^2/NDF: 54.7/45

All: 261.584+/-218.128 χ^2/NDF: 90.9/94

- sign 456.368+/-308.331 χ^2/NDF: 35.4/48

cor_asym_atl_dd_rms vs Slug



Right In: 1648.645+/-0.359 χ^2/NDF: 145517.7/20

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1681.435+/-0.348 χ^2/NDF: 401393.5/25

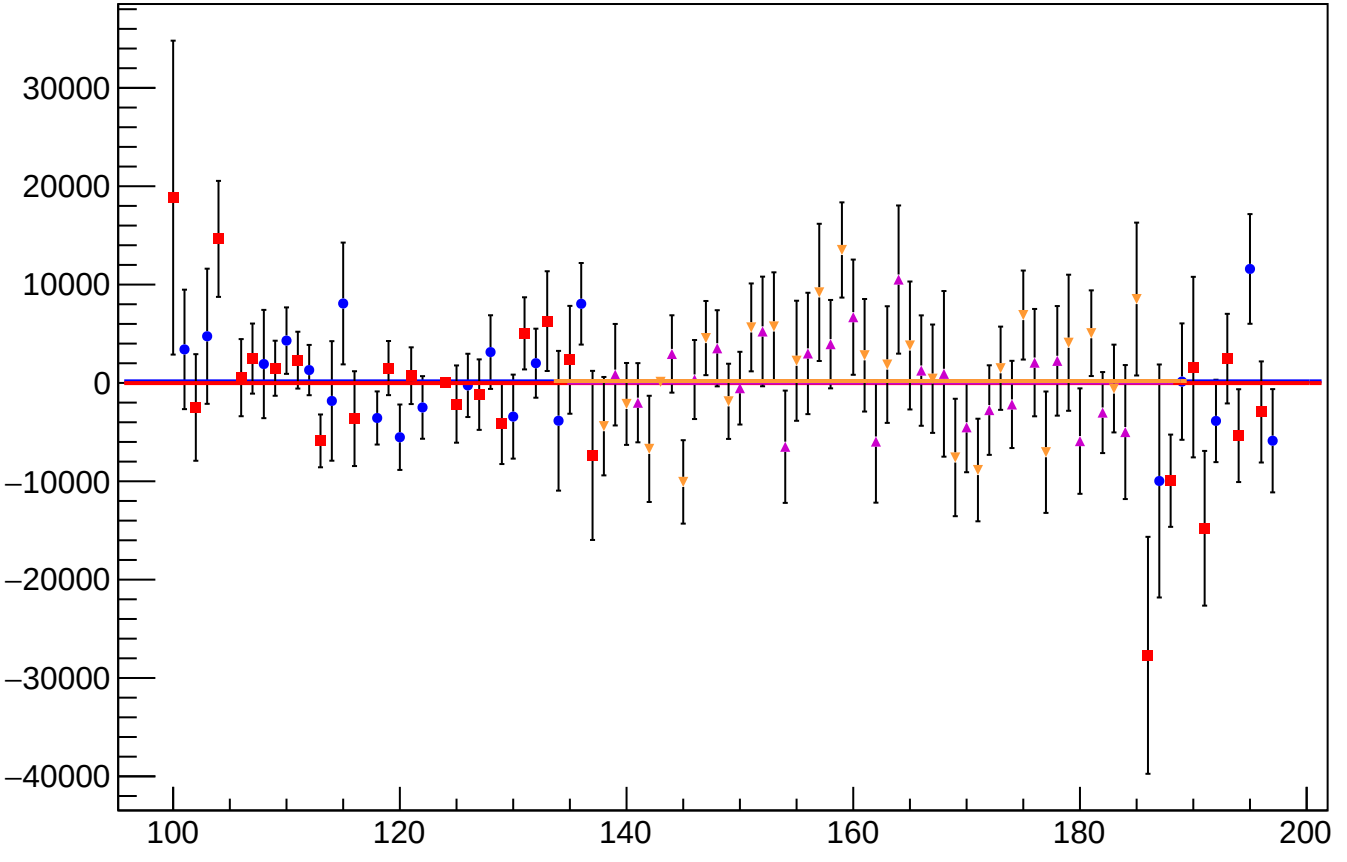
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1681.997+/-0.218 χ^2/NDF: 611612.3/45

All: 1684.098+/-0.154 χ^2/NDF: 1135816.2/94

- sign 1686.190+/-0.218 χ^2/NDF: 524019.0/48

asym_atl_dd_cor_correction_mean vs Slug



Right In: 159.939+/-896.566 χ^2/NDF: 22.5/20

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -16.667+/-312.482 χ^2/NDF: 36.0/25

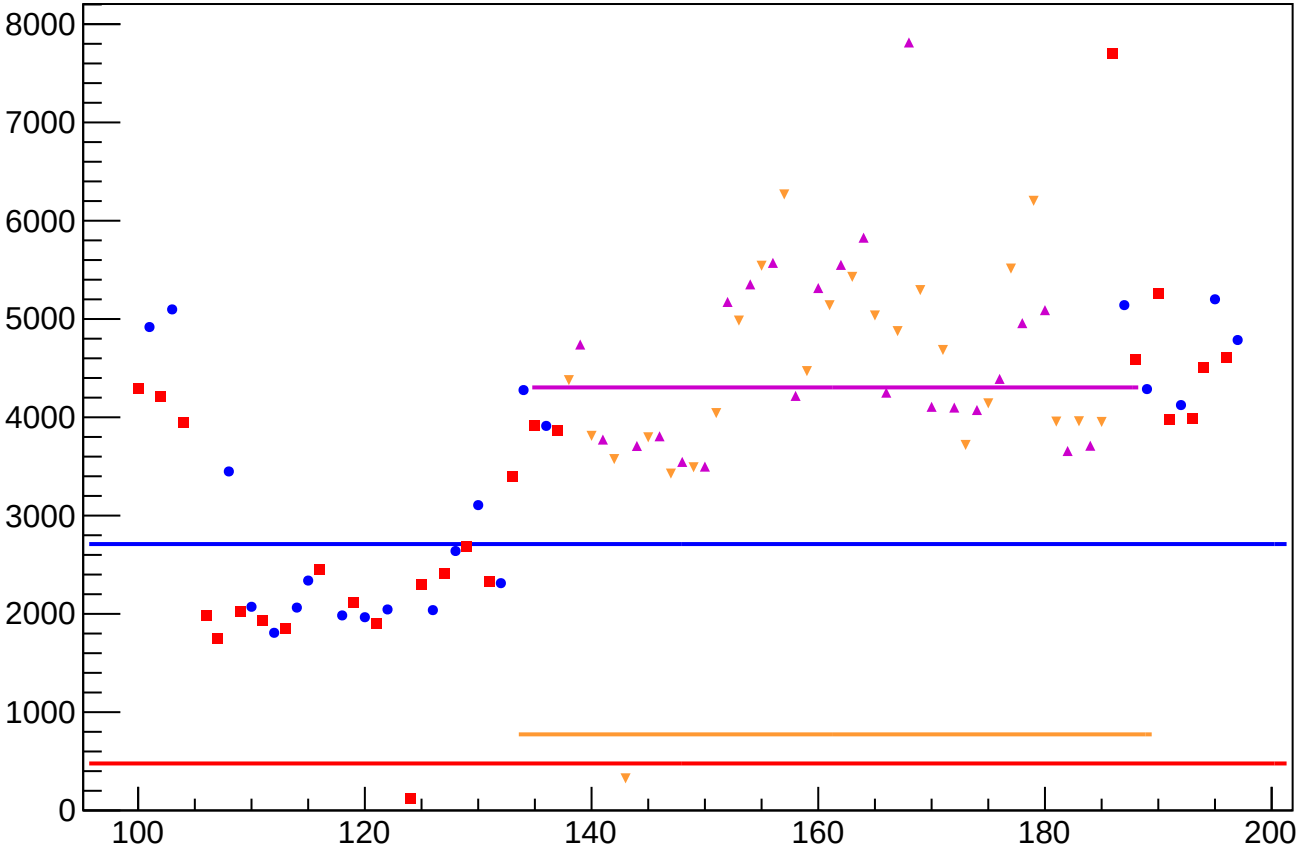
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 189.575+/-320.444 χ^2/NDF: 56.4/45

All: 81.357+/-218.579 χ^2/NDF: 105.9/94

- sign -12.806+/-298.913 χ^2/NDF: 49.2/48

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2710.289+/-0.634 χ^2/NDF: 2786357.1/20

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 478.068+/-0.221 χ^2/NDF: 18688968.3/25

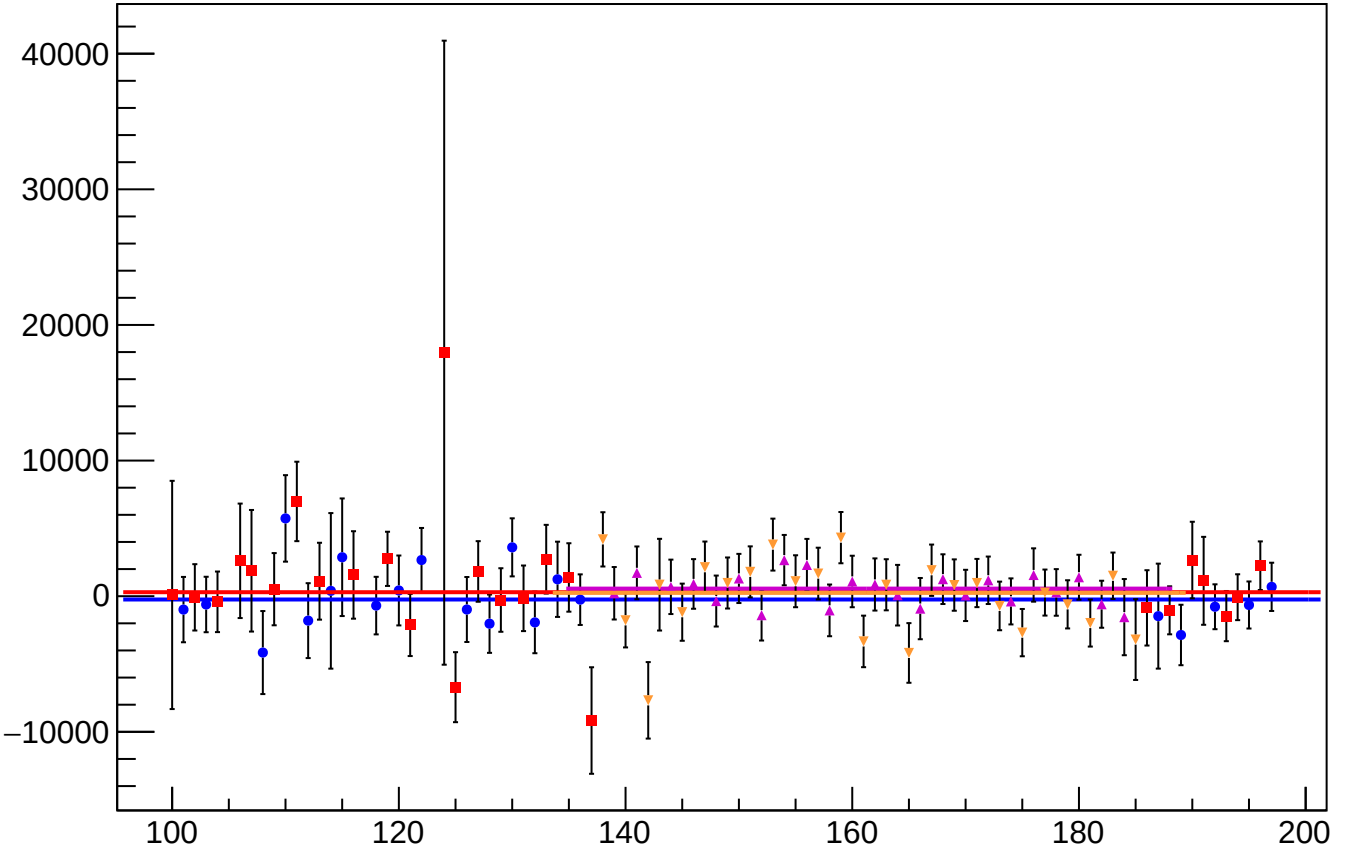
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1021.474+/-0.227 χ^2/NDF: 39008343.4/45

All: 904.723+/-0.155 χ^2/NDF: 84883883.2/94

- sign 803.135+/-0.211 χ^2/NDF: 45379044.7/48

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -243.164+/-507.406 χ^2/NDF: 14.5/20

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 295.043+/-493.071 χ^2/NDF: 27.7/25

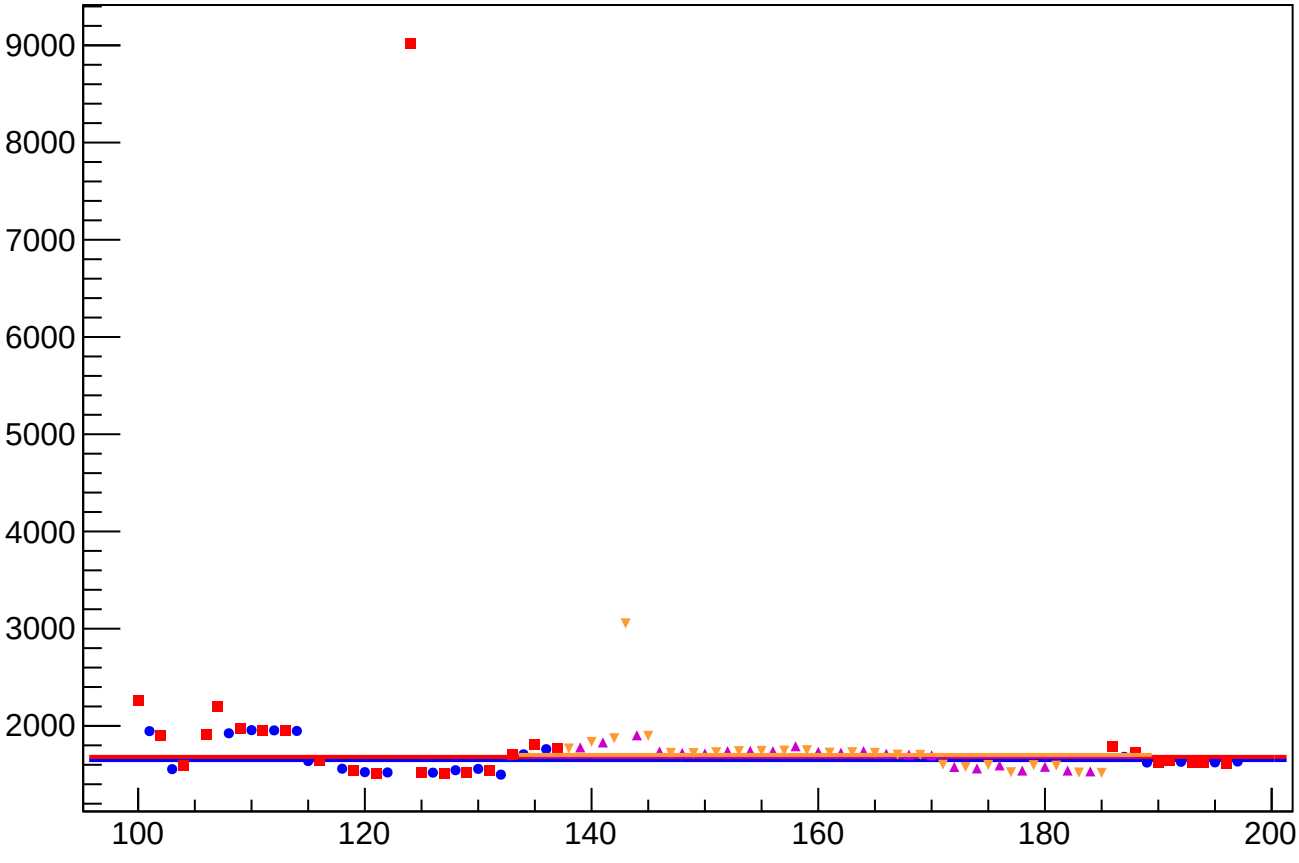
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 66.421+/-308.630 χ^2/NDF: 54.7/45

All: 261.584+/-218.128 χ^2/NDF: 90.9/94

- sign 456.368+/-308.331 χ^2/NDF: 35.4/48

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1648.645+/-0.359 χ^2/NDF: 145517.7/20

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

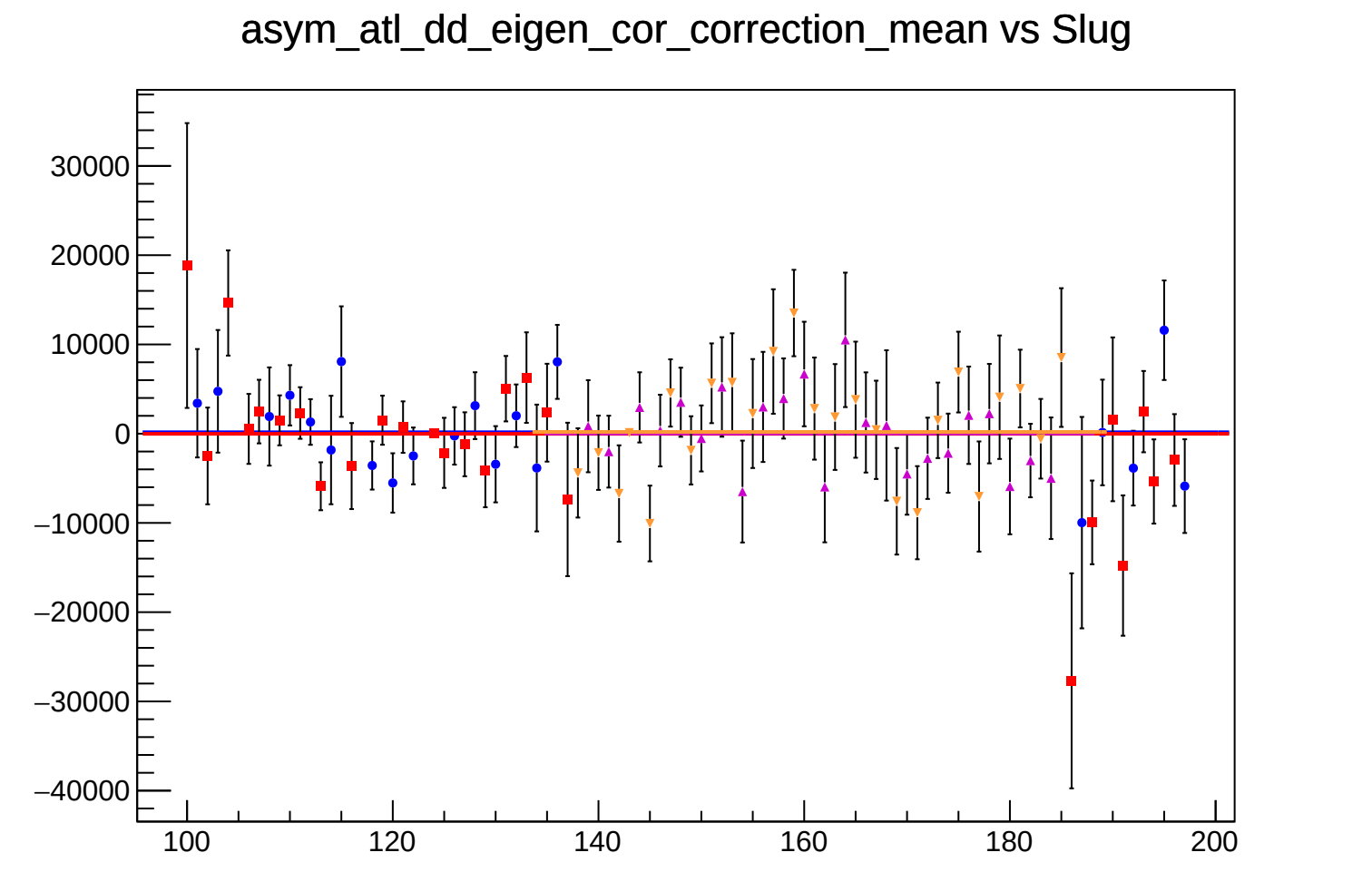
Right Out: 1681.435+/-0.348 χ^2/NDF: 401393.5/25

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1681.997+/-0.218 χ^2/NDF: 611612.3/45

All: 1684.098+/-0.154 χ^2/NDF: 1135816.2/94

- sign 1686.190+/-0.218 χ^2/NDF: 524019.0/48



Right In: 159.939+/-896.566 χ^2/NDF: 22.5/20

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -16.667+/-312.482 χ^2/NDF: 36.0/25

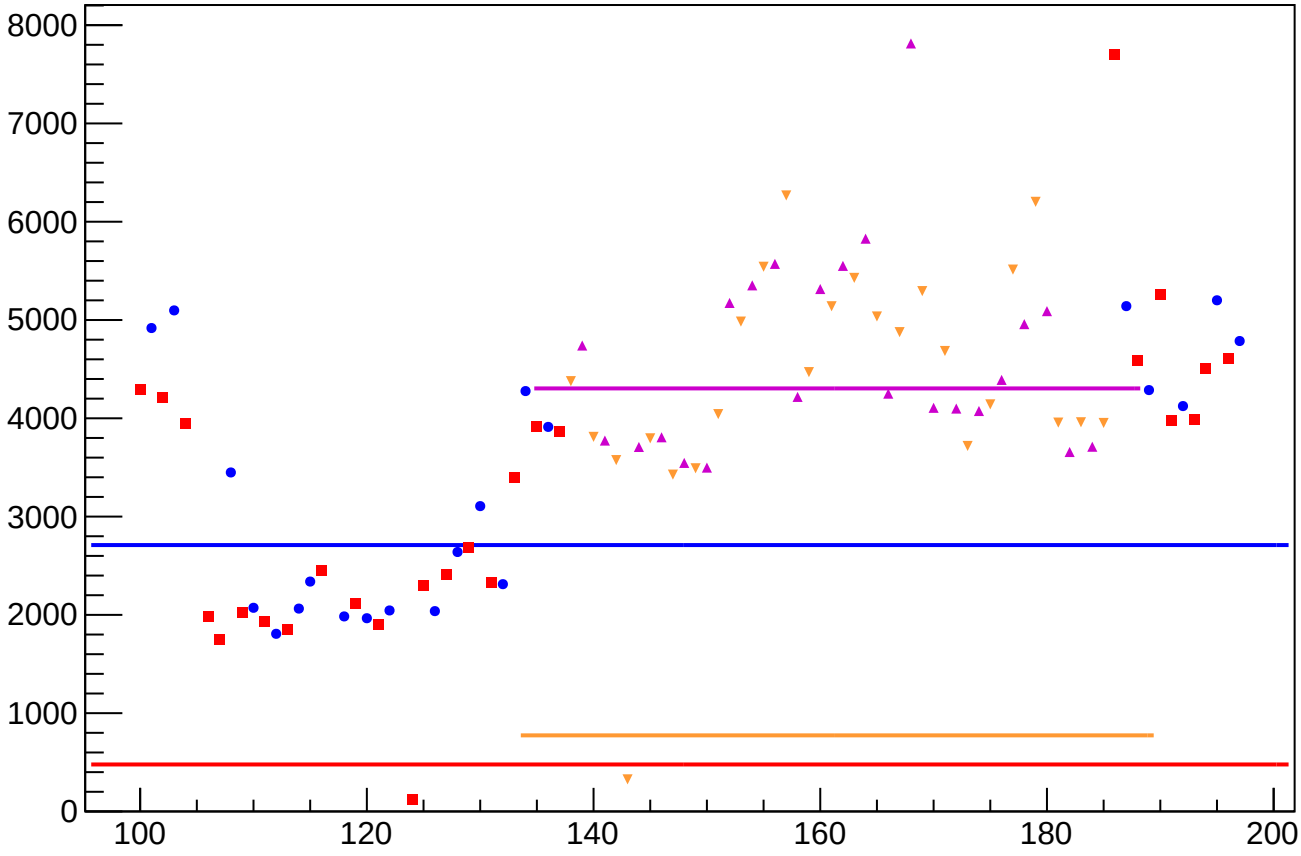
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 189.575+/-320.444 χ^2/NDF: 56.4/45

All: 81.357+/-218.579 χ^2/NDF: 105.9/94

- sign -12.806+/-298.913 χ^2/NDF: 49.2/48

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2710.289+/-0.634 χ^2/NDF: 2786357.1/20

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 478.068+/-0.221 χ^2/NDF: 18688968.3/25

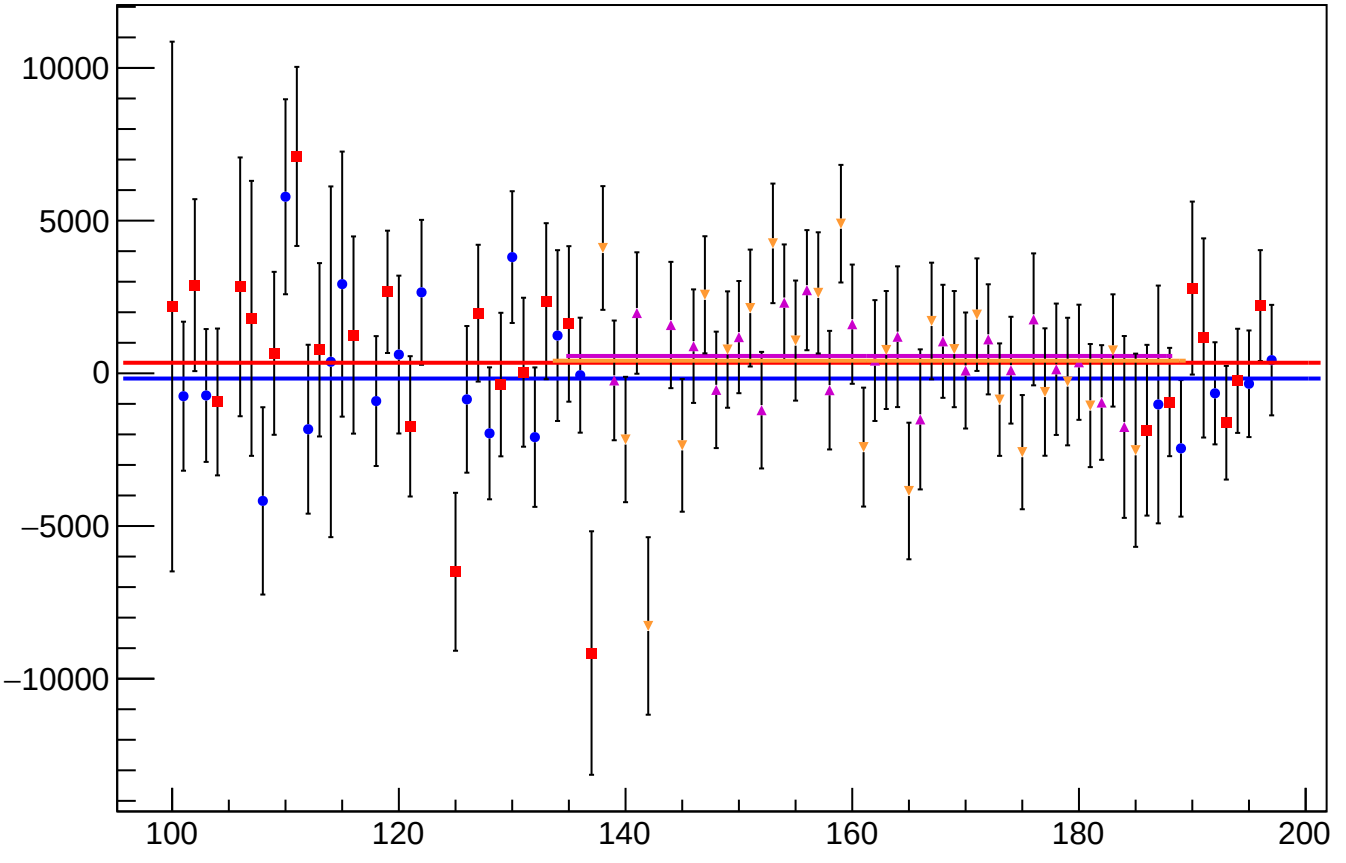
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1021.474+/-0.227 χ^2/NDF: 39008343.4/45

All: 904.723+/-0.155 χ^2/NDF: 84883883.2/94

- sign 803.135+/-0.211 χ^2/NDF: 45379044.7/48

dit_asym_atl_dd_mean vs Slug



Right In: -170.595+/-512.441 χ^2/NDF: 14.2/20

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 346.192+/-499.860 χ^2/NDF: 27.6/24

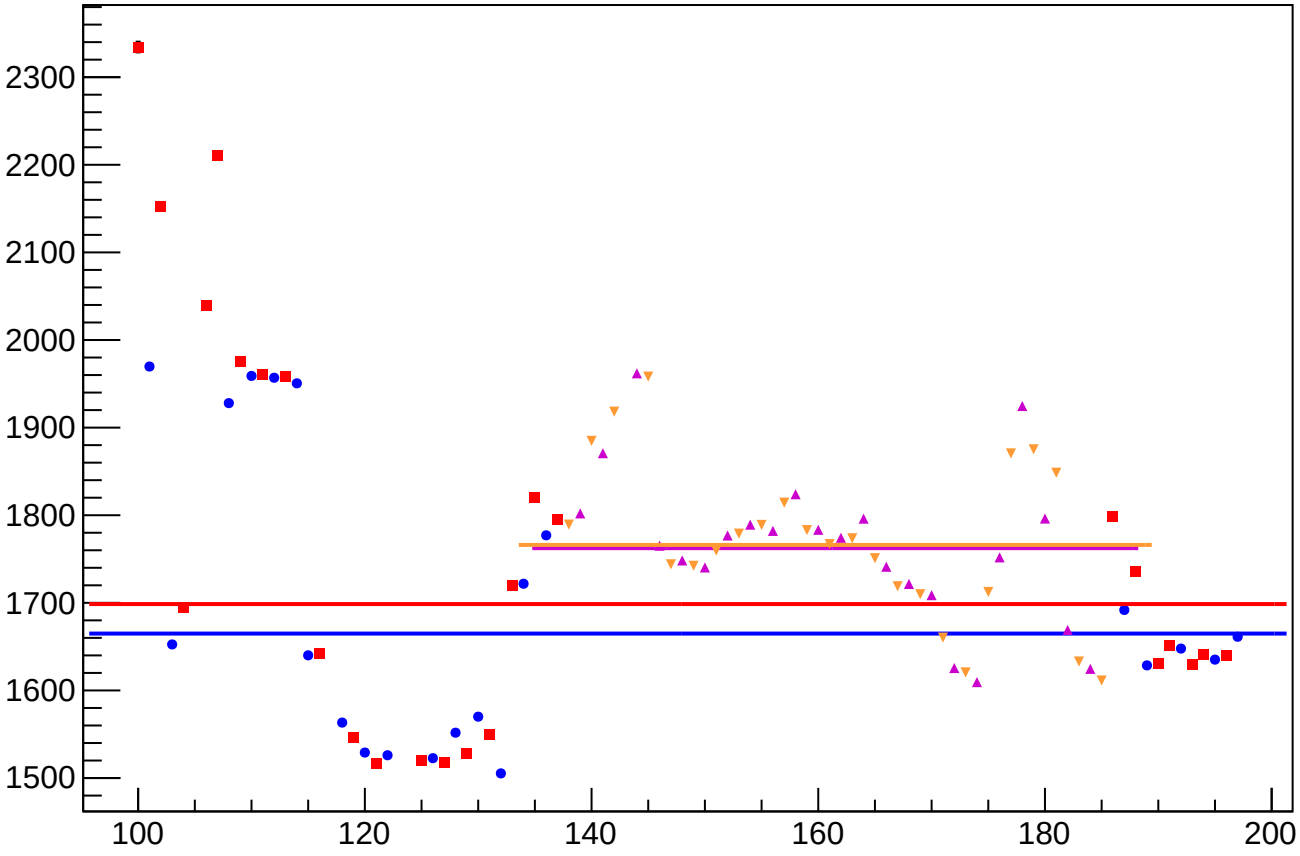
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 185.049+/-320.397 χ^2/NDF: 55.0/44

All: 333.024+/-225.684 χ^2/NDF: 90.9/92

- sign 478.747+/-317.950 χ^2/NDF: 35.5/47

dit_asym_atl_dd_rms vs Slug



Right In: 1664.914+/-0.362 χ^2/NDF: 142691.7/20

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1698.604+/-0.353 χ^2/NDF: 241550.1/24

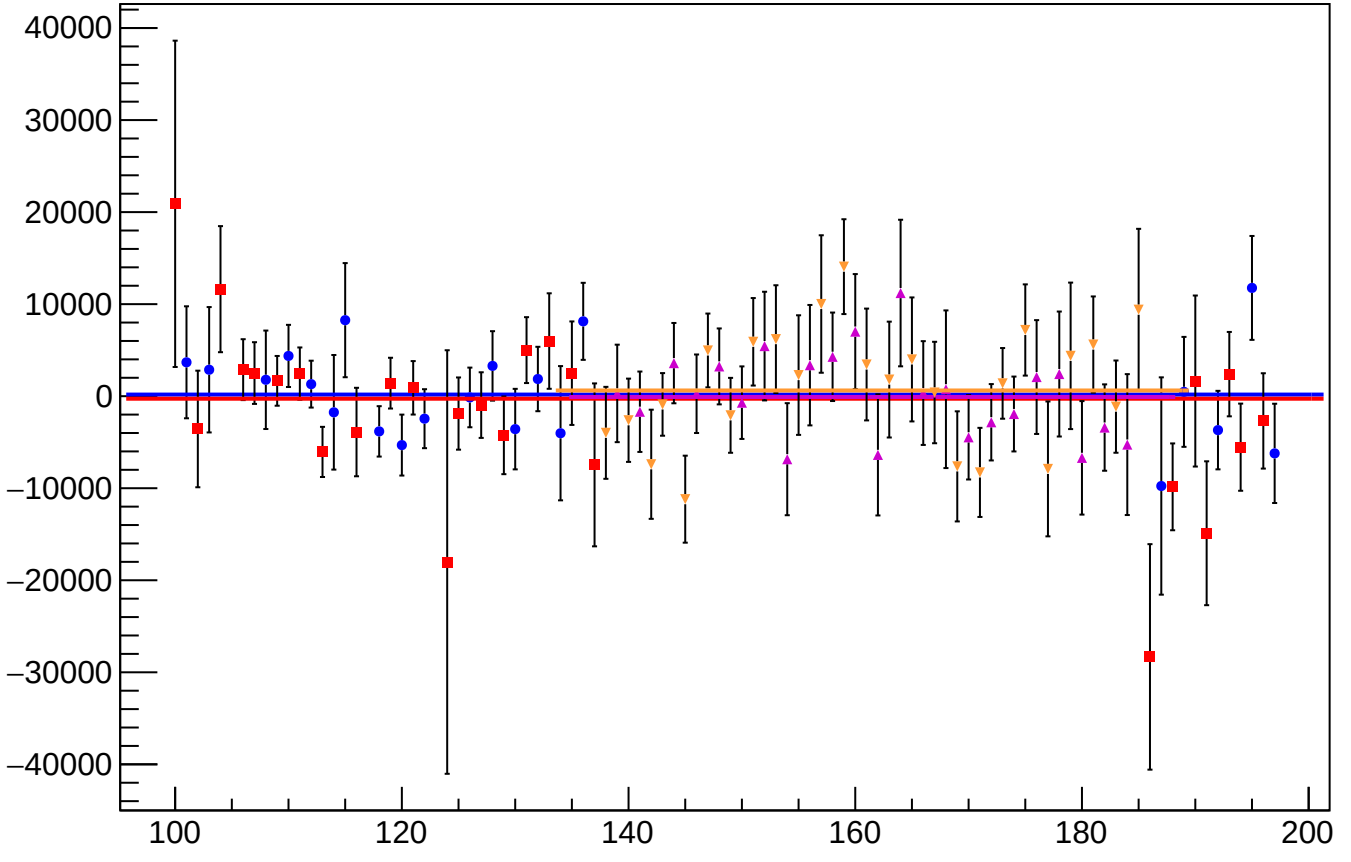
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1726.553+/-0.227 χ^2/NDF: 273454.2/44

All: 1731.592+/-0.160 χ^2/NDF: 615508.6/92

- sign 1736.549+/-0.225 χ^2/NDF: 341073.1/47

asym_atl_dd_dit_correction_mean vs Slug



Right In: 174.645+/-901.484 χ^2/NDF: 22.4/20

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -275.344+/-819.568 χ^2/NDF: 34.3/25

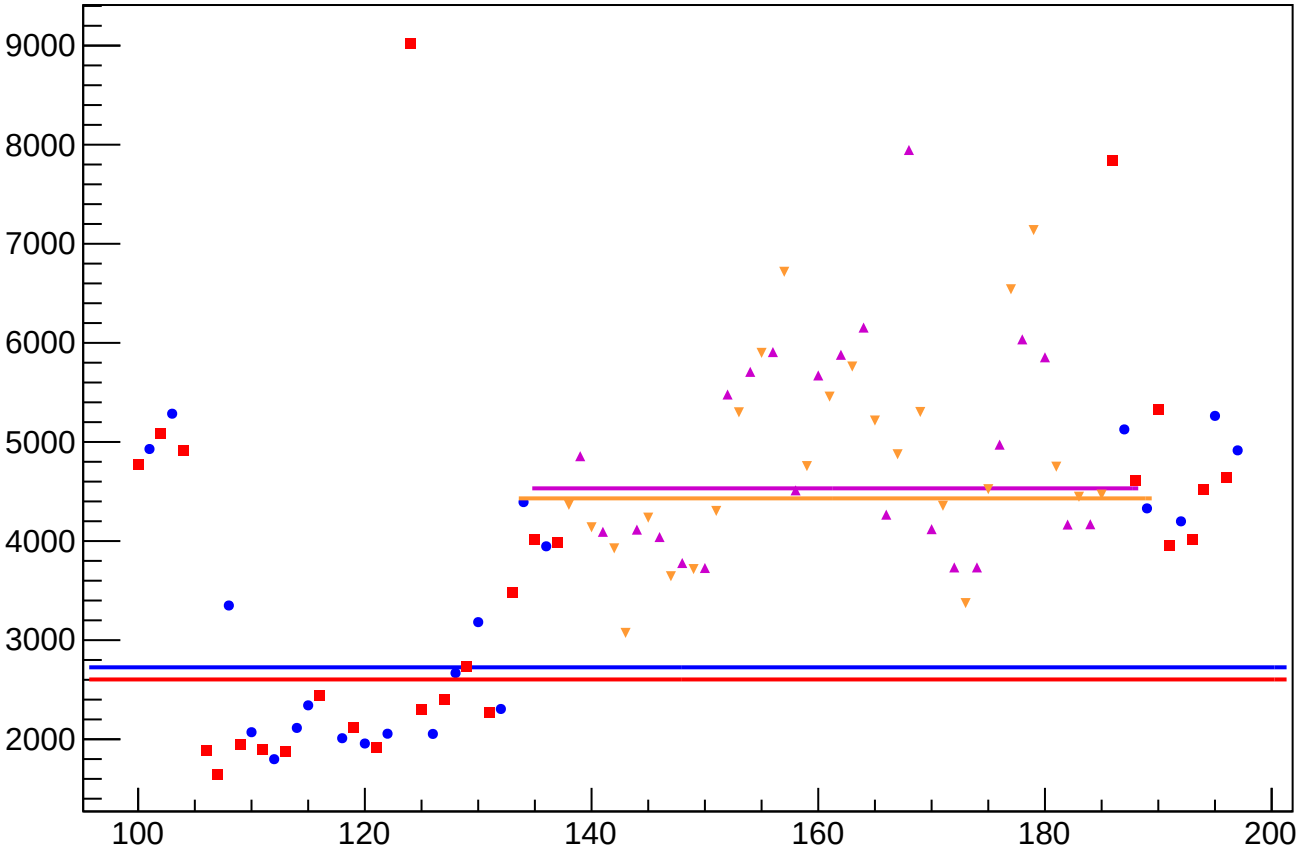
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 366.686+/-679.685 χ^2/NDF: 55.6/45

All: 68.972+/-471.049 χ^2/NDF: 103.2/94

- sign -206.177+/-653.420 χ^2/NDF: 47.2/48

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2725.969+/-0.637 χ^2/NDF: 2882105.0/20

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

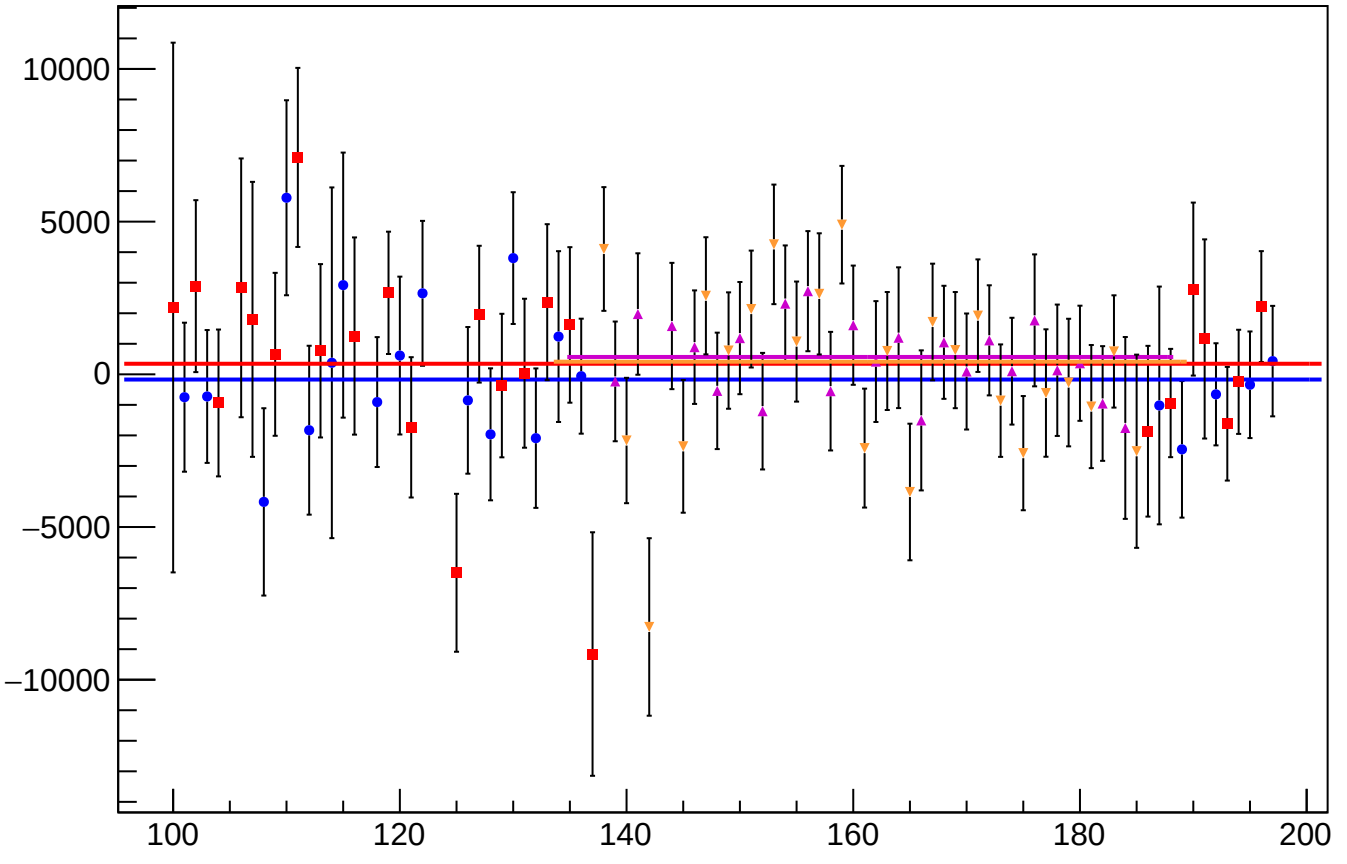
Right Out: 2603.410+/-0.580 χ^2/NDF: 3594178.4/25

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3461.671+/-0.481 χ^2/NDF: 7582094.8/45

All: 3380.811+/-0.333 χ^2/NDF: 16642160.7/9

- sign 3306.078+/-0.462 χ^2/NDF: 9005597.9/48



Right In: -170.595+/-512.441 χ^2/NDF: 14.2/20

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 346.194+/-499.860 χ^2/NDF: 27.6/24

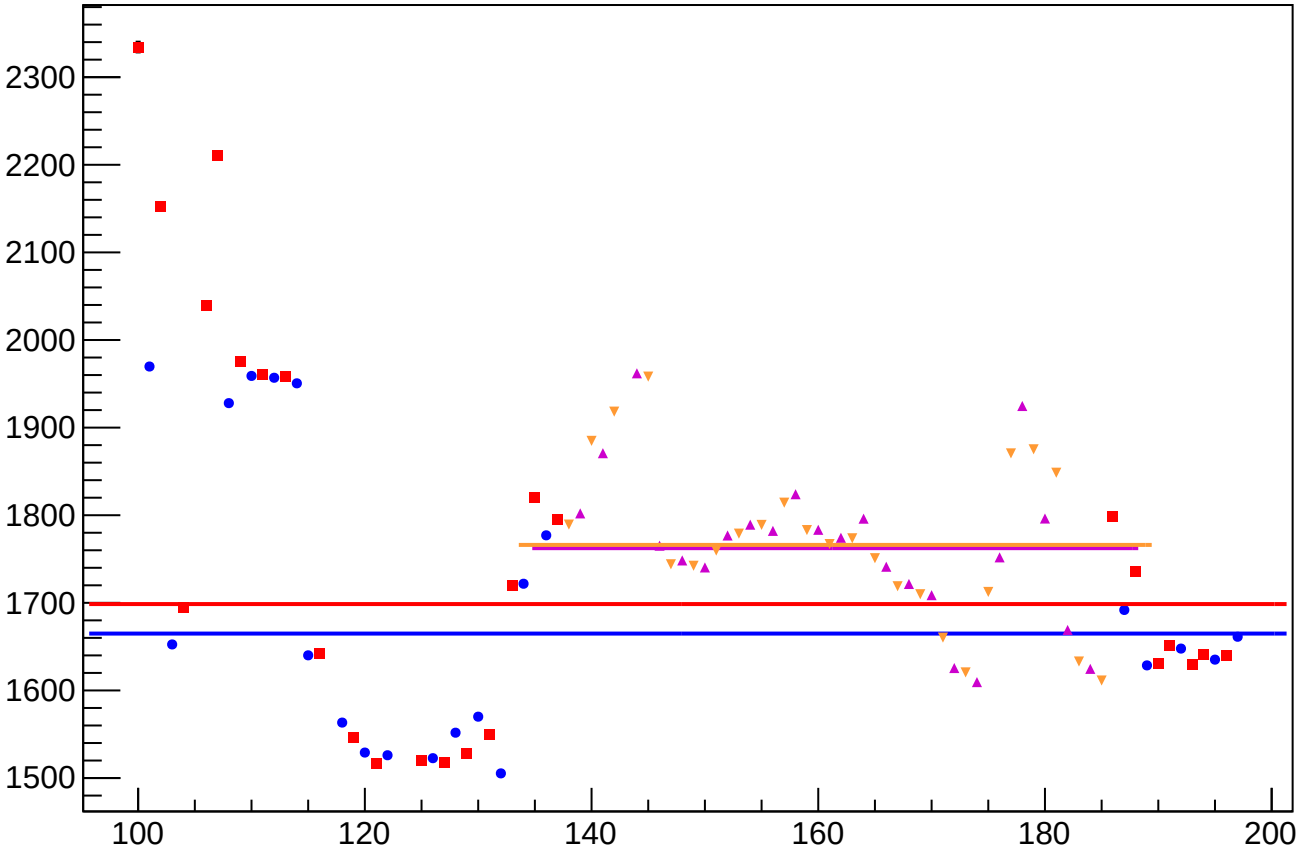
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 185.050+/-320.397 χ^2/NDF: 55.0/44

All: 333.025+/-225.685 χ^2/NDF: 90.9/92

- sign 478.748+/-317.950 χ^2/NDF: 35.5/47

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1664.914+/-0.362 χ^2/NDF: 142691.7/20

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1698.604+/-0.353 χ^2/NDF: 241549.3/24

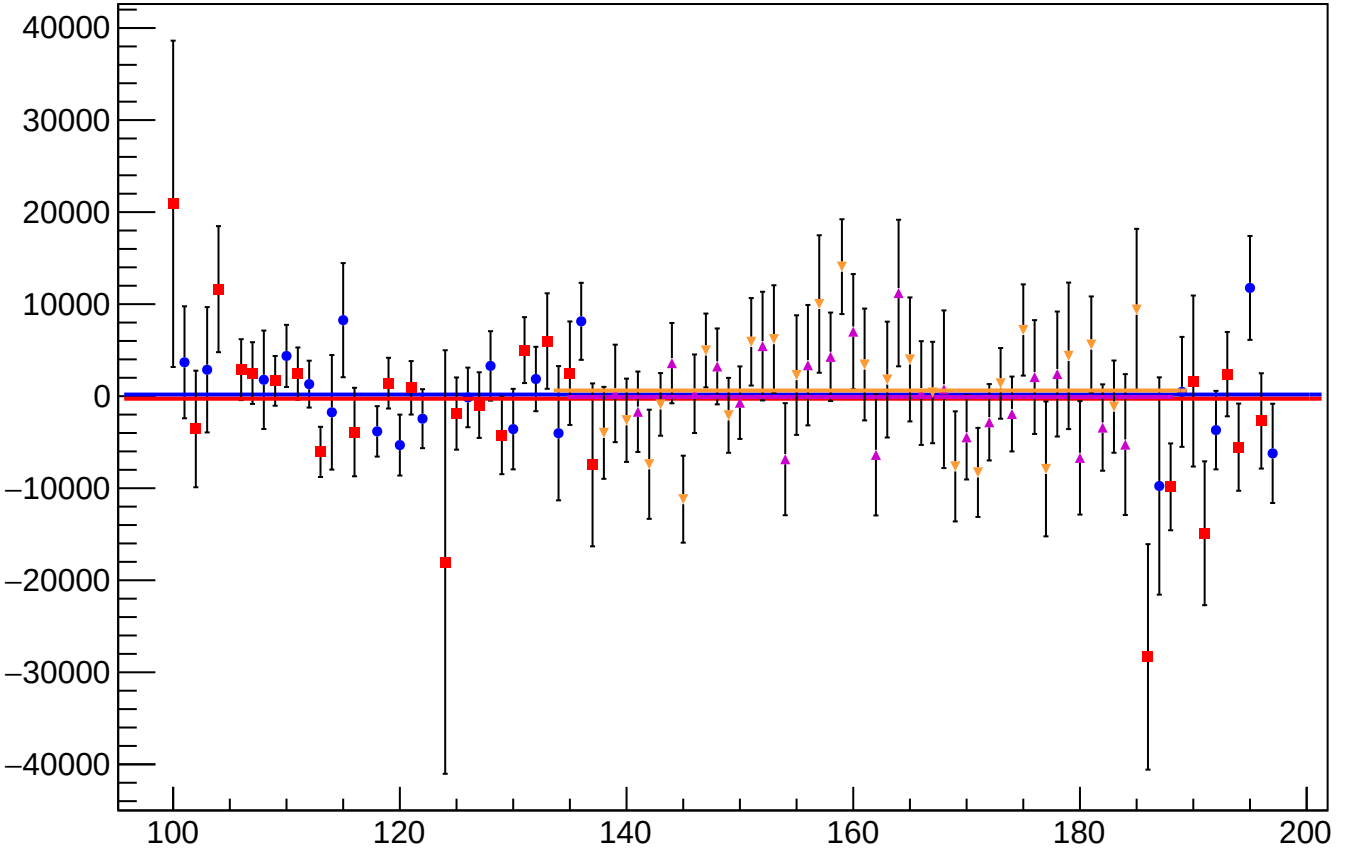
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1726.554+/-0.227 χ^2/NDF: 273458.1/44

All: 1731.593+/-0.160 χ^2/NDF: 615515.0/92

- sign 1736.549+/-0.225 χ^2/NDF: 341075.7/47

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 174.640+/-901.481 χ^2/NDF: 22.4/20

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -275.338+/-819.565 χ^2/NDF: 34.3/25

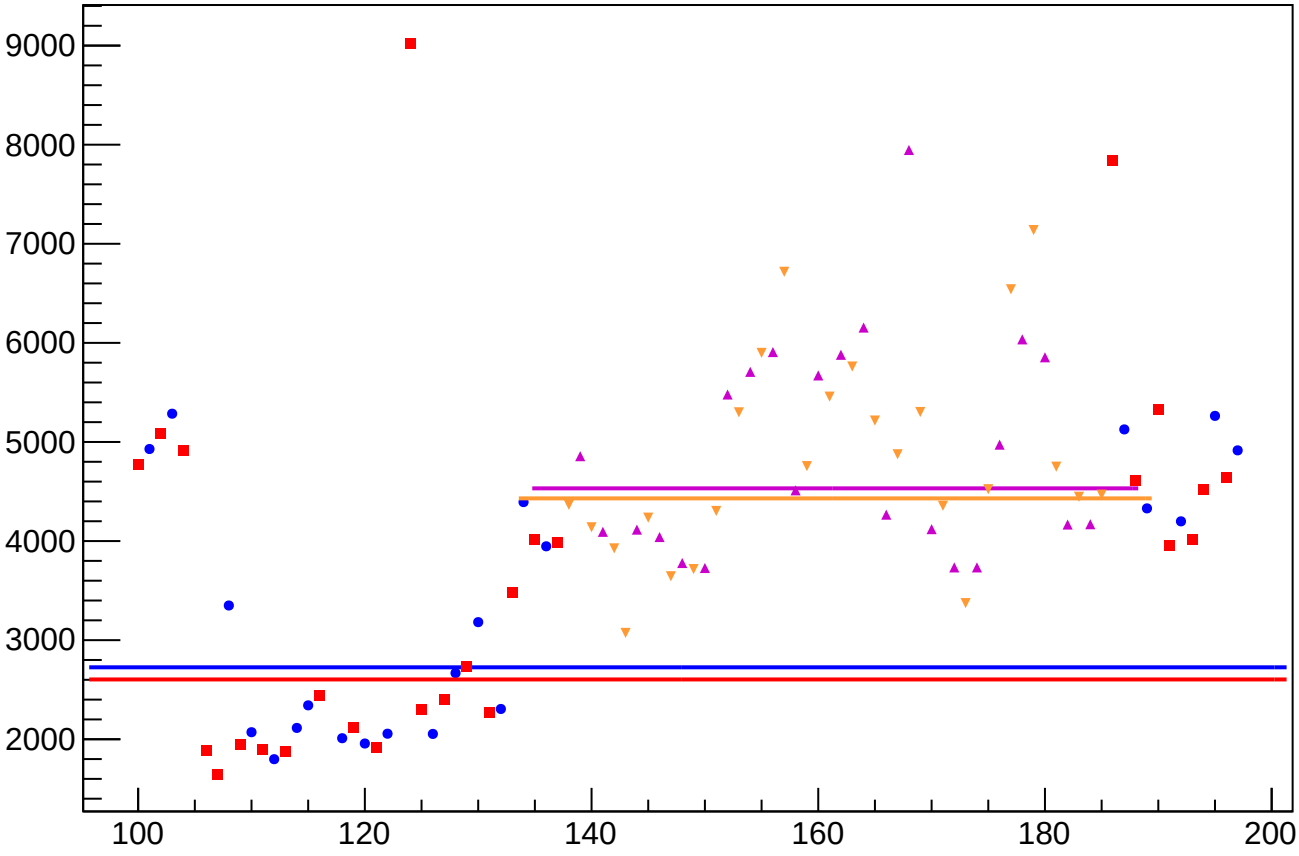
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 366.684+/-679.684 χ^2/NDF: 55.6/45

All: 68.973+/-471.049 χ^2/NDF: 103.2/94

- sign -206.174+/-653.419 χ^2/NDF: 47.2/48

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2725.958+/-0.637 χ^2/NDF: 2882139.6/20

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2603.401+/-0.580 χ^2/NDF: 3594207.6/25

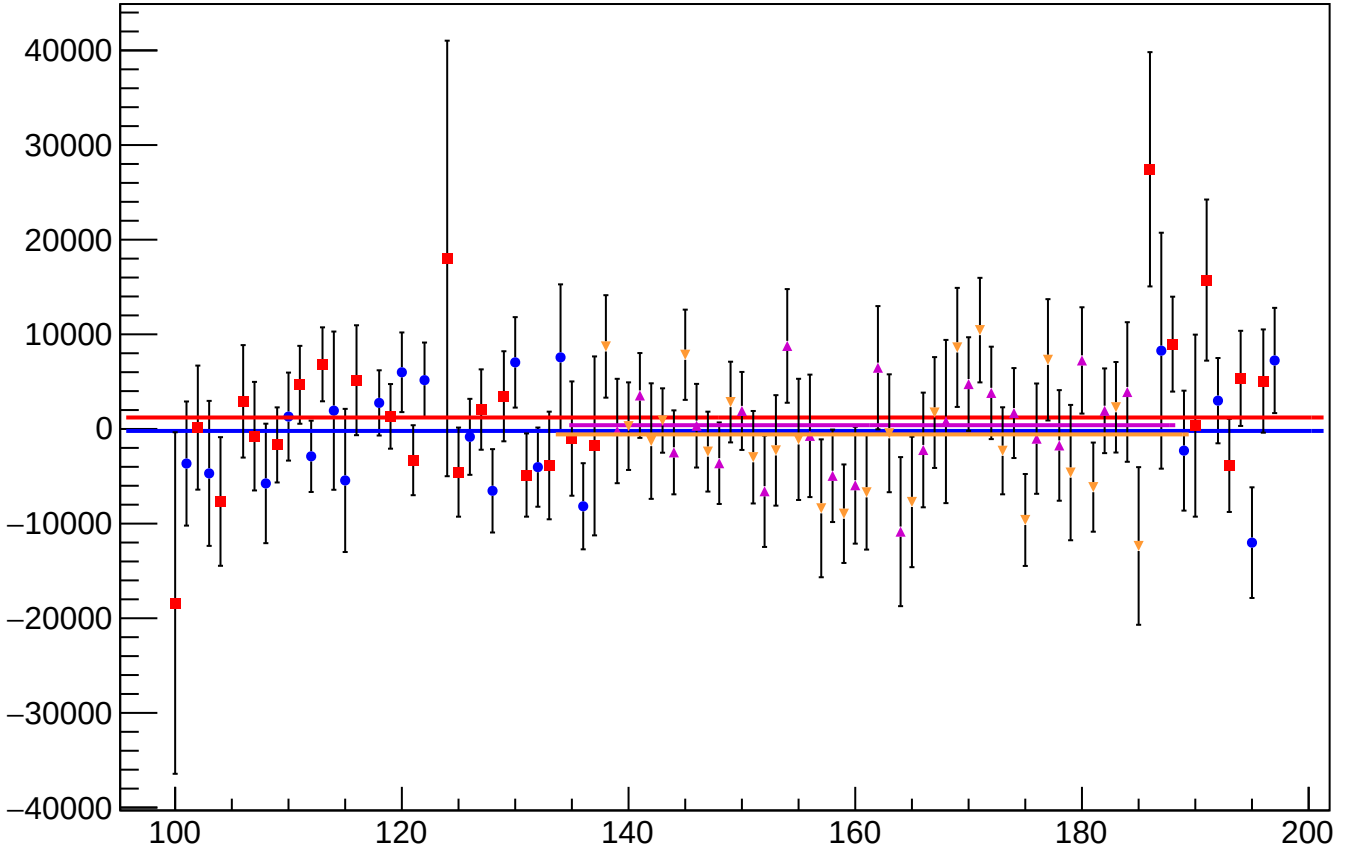
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3461.664+/-0.481 χ^2/NDF: 7582199.6/45

All: 3380.803+/-0.333 χ^2/NDF: 16642363.5/9

- sign 3306.071+/-0.462 χ^2/NDF: 9005695.9/48

asym_atl_dd_mean vs Slug



Right In: -207.344+/-1091.265 χ^2/NDF: 23.5/20

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1213.187+/-1033.246 χ^2/NDF: 25.6/25

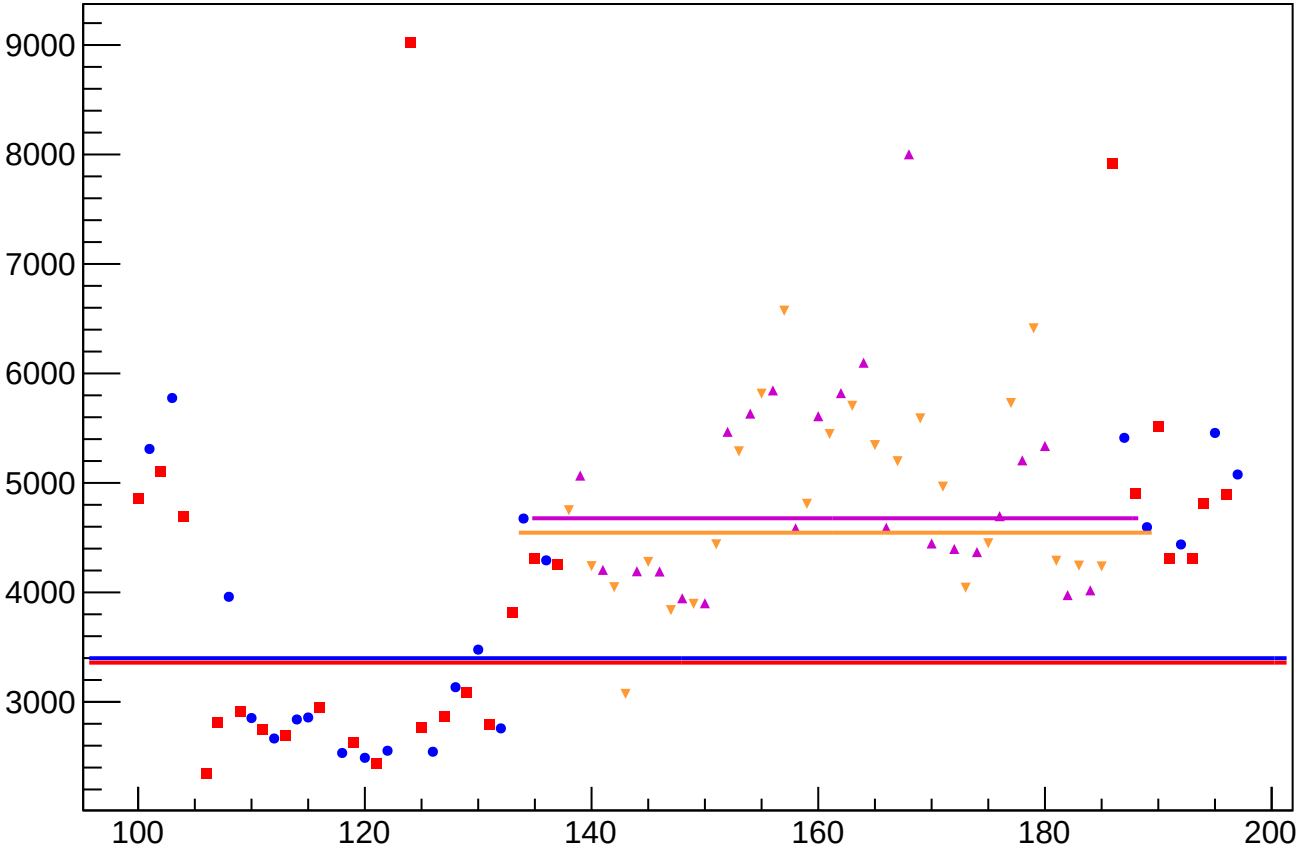
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -396.440+/-758.433 χ^2/NDF: 52.3/45

All: 221.025+/-535.479 χ^2/NDF: 93.6/94

- sign 834.751+/-756.134 χ^2/NDF: 39.9/48

asym_atl_dd_rms vs Slug



Right In: 3398.897+/-0.772 χ^2/NDF: 1747852.0/20

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

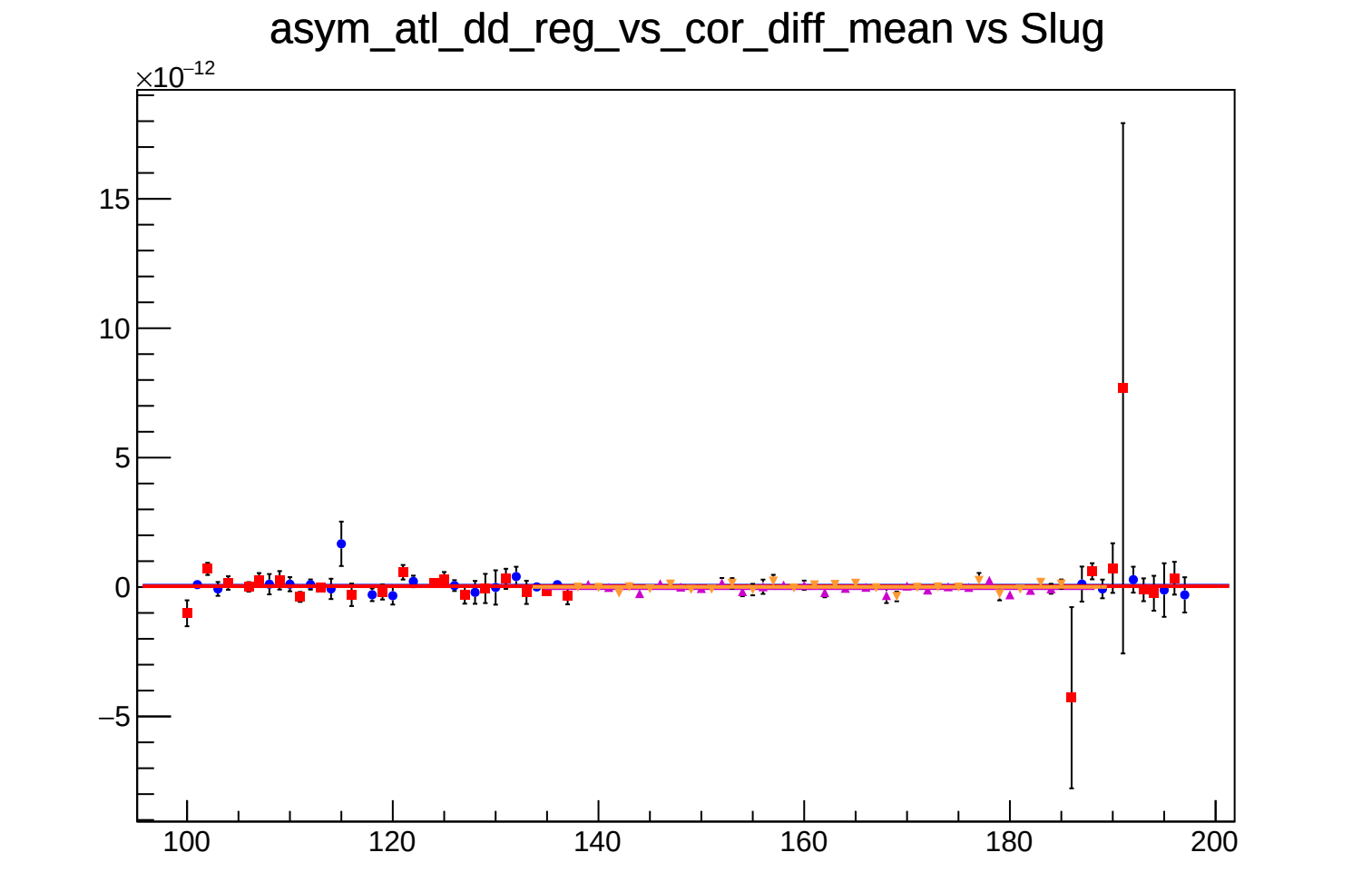
Right Out: 3358.427+/-0.723 χ^2/NDF: 1992388.2/25

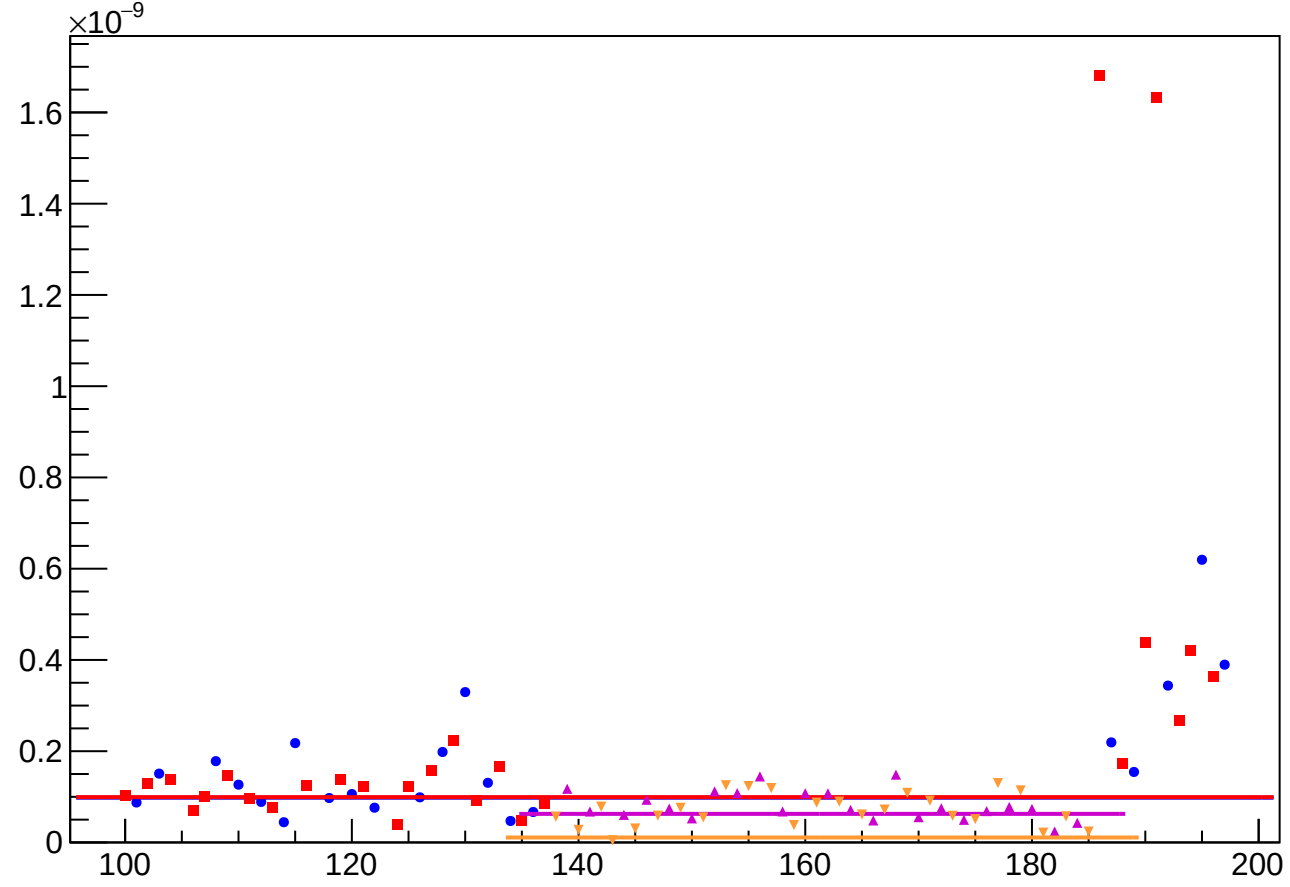
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

\+ sign 3991.652+/-0.536 χ^2/NDF: 4147827.9/45

All: 3977.558+/-0.378 χ^2/NDF: 8629731.9/94

\- sign 3963.714+/-0.532 χ^2/NDF: 4480535.0/48


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: 10.0/20
Left Out: 0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.7/25
Left In: -0.000+/-0.000 χ²/NDF:20.6/22
+ sign 0.000+/-0.000 χ²/NDF: 28.9/45
All: 0.000+/-0.000 χ²/NDF: 89.8/94
- sign -0.000+/-0.000 χ²/NDF: 58.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 2467549.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2994798.5/25

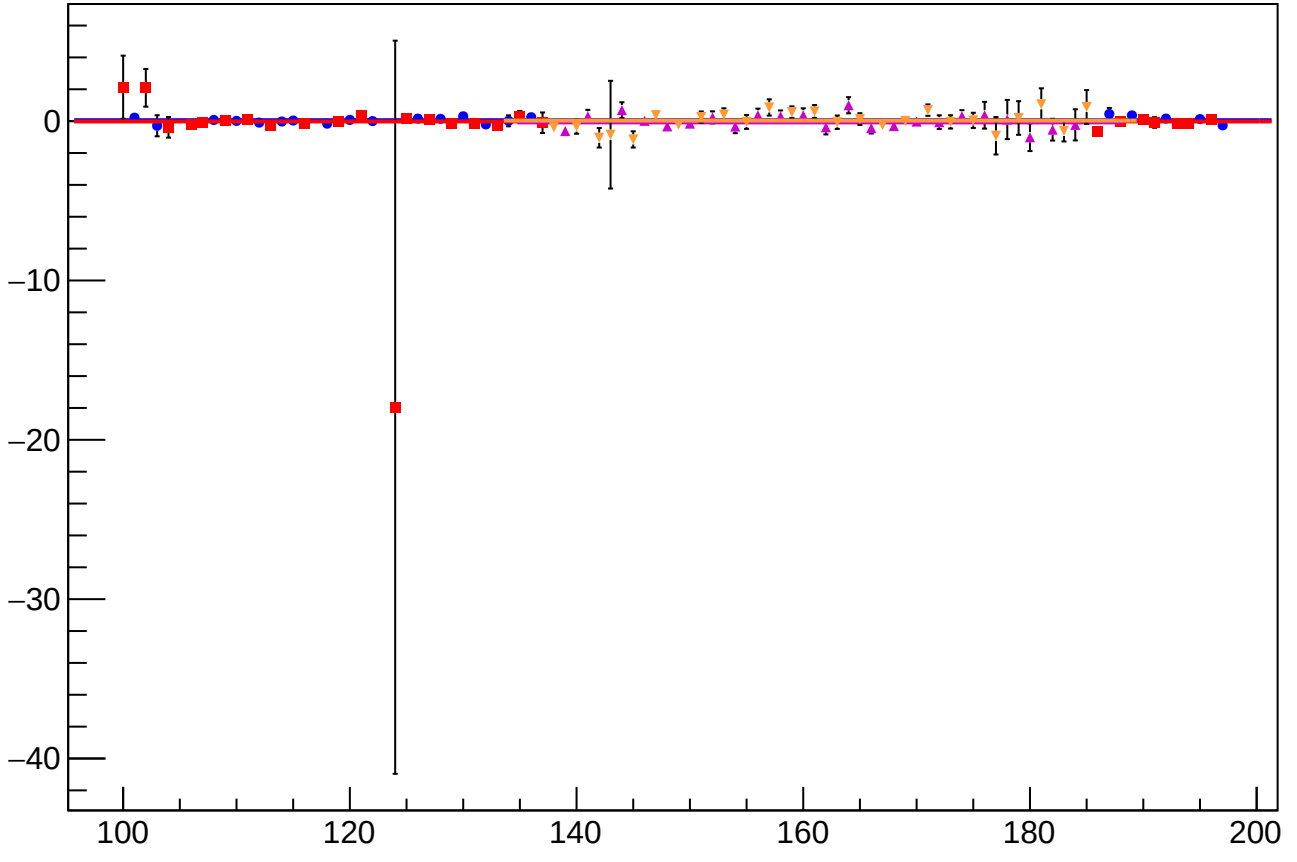
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17094382.4/45

All: 0.000+/-0.000 χ^2/NDF: 33330931.4/94

- sign 0.000+/-0.000 χ^2/NDF: 5831525.4/48

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.059+/-0.041 χ^2/NDF: 15.5/20

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.018+/-0.036 χ^2/NDF: 29.5/25

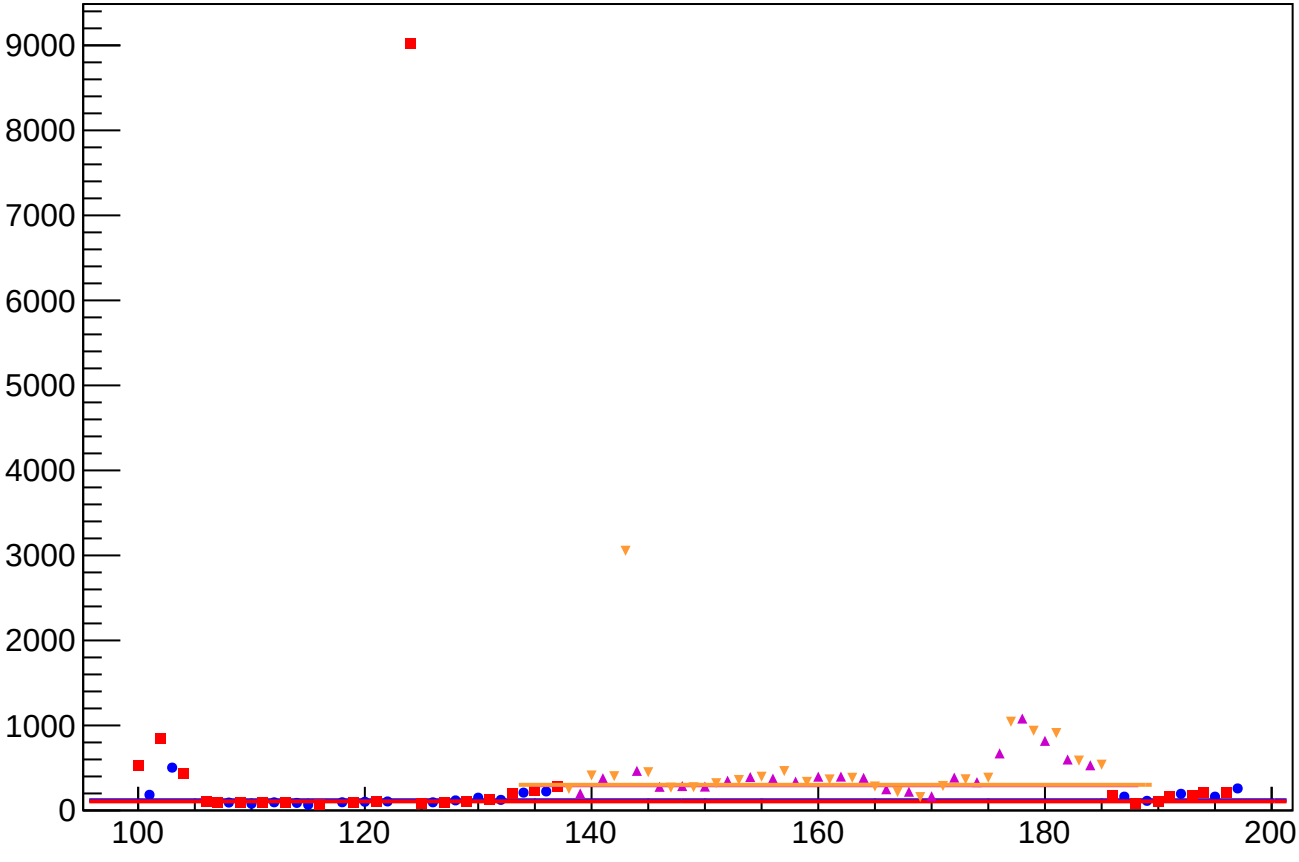
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.054+/-0.036 χ^2/NDF: 45.3/45

All: 0.008+/-0.024 χ^2/NDF: 102.3/94

- sign -0.029+/-0.032 χ^2/NDF: 54.1/48

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 119.810+/-0.029 χ^2/NDF: 2892619.3/20

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

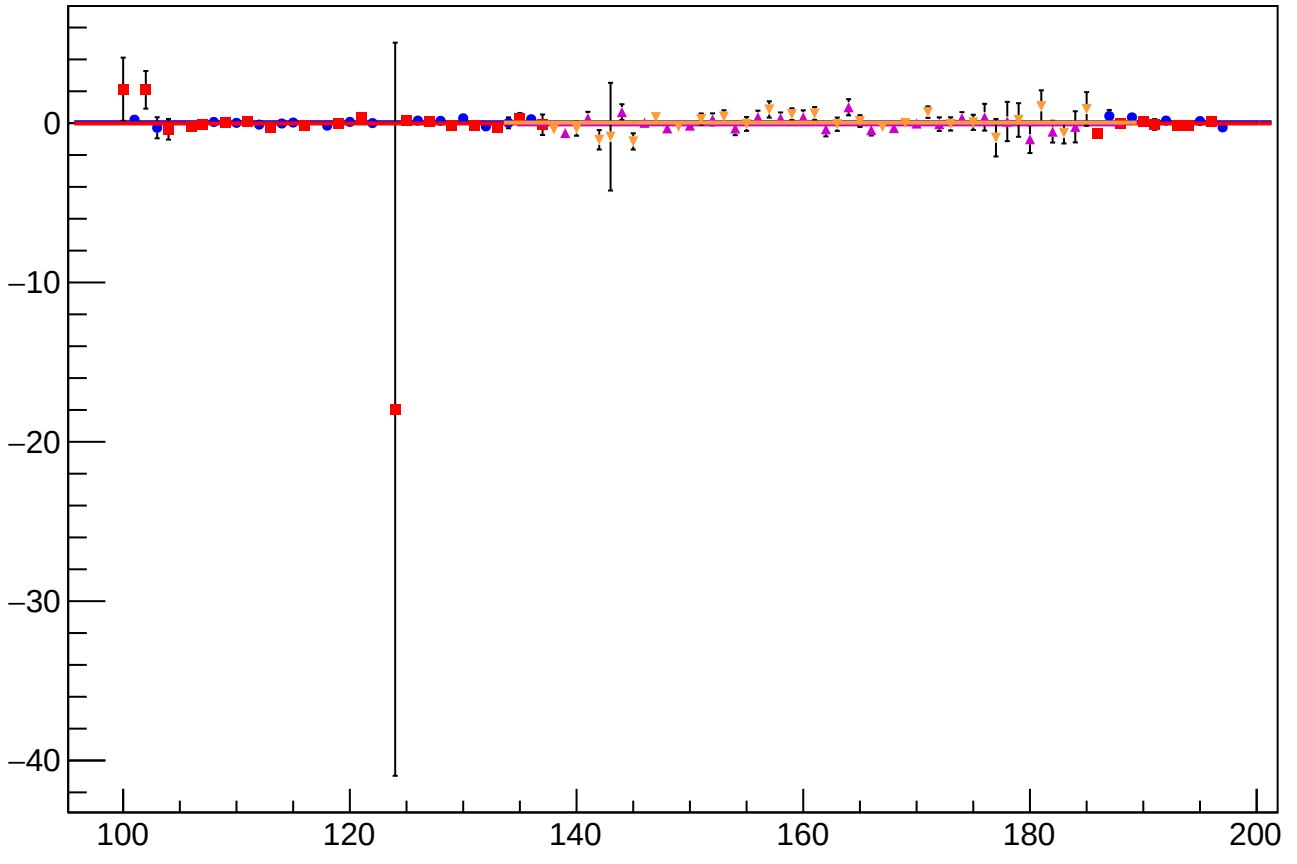
Right Out: 106.807+/-0.025 χ^2/NDF: 4071129.6/25

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 159.792+/-0.026 χ^2/NDF: 18312178.6/45

All: 149.420+/-0.017 χ^2/NDF: 37917884.7/94

- sign 141.154+/-0.023 χ^2/NDF: 19308480.6/48



Right In: 0.059+/-0.041 χ^2/NDF: 15.5/20

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.018+/-0.036 χ^2/NDF: 29.5/25

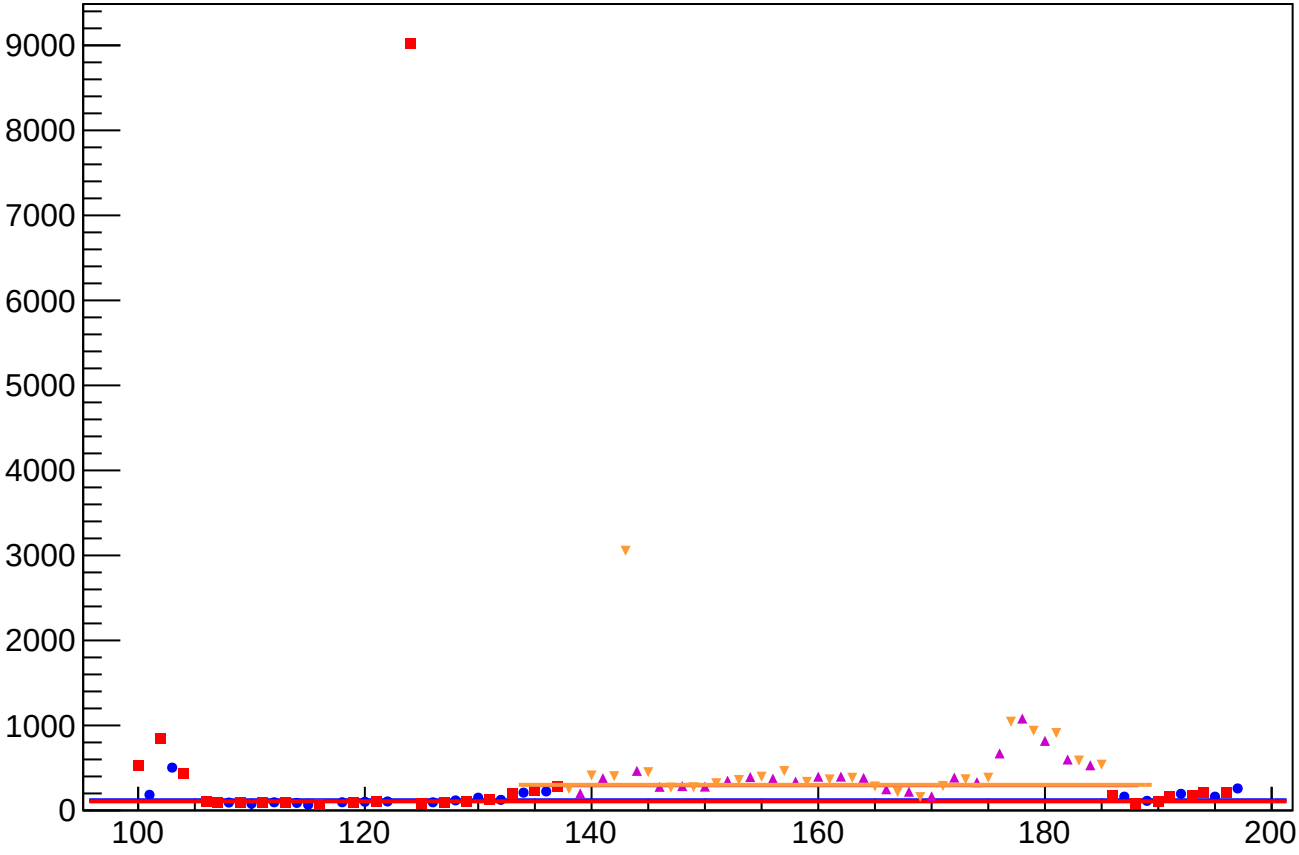
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.054+/-0.036 χ^2/NDF: 45.3/45

All: 0.008+/-0.024 χ^2/NDF: 102.3/94

- sign -0.029+/-0.032 χ^2/NDF: 54.1/48

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 119.810+/-0.029 χ^2/NDF: 2892619.3/20

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

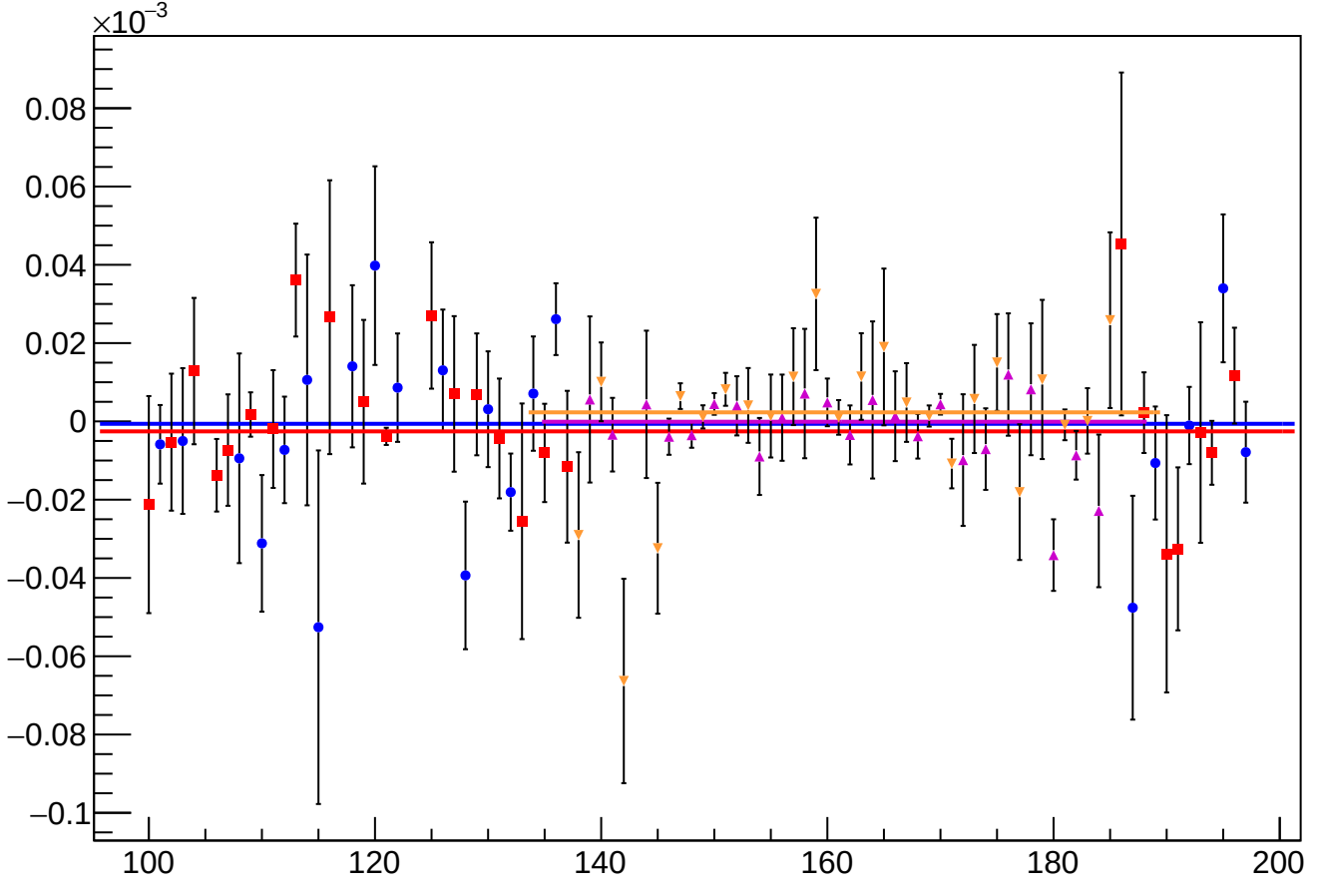
Right Out: 106.807+/-0.025 χ^2/NDF: 4071129.6/25

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 159.792+/-0.026 χ^2/NDF: 18312178.6/45

All: 149.420+/-0.017 χ^2/NDF: 37917884.7/94

- sign 141.154+/-0.023 χ^2/NDF: 19308480.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 32.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

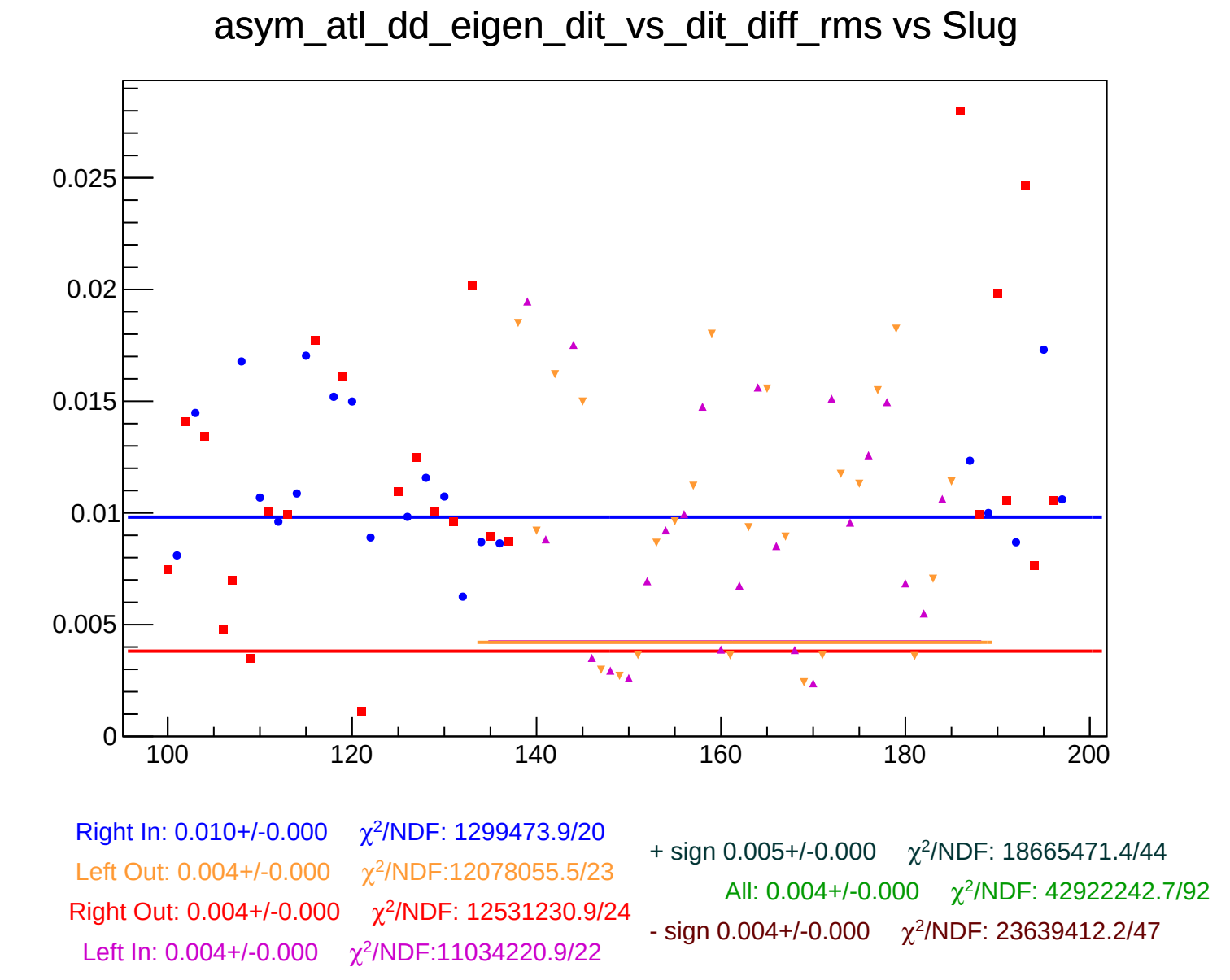
Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/24

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

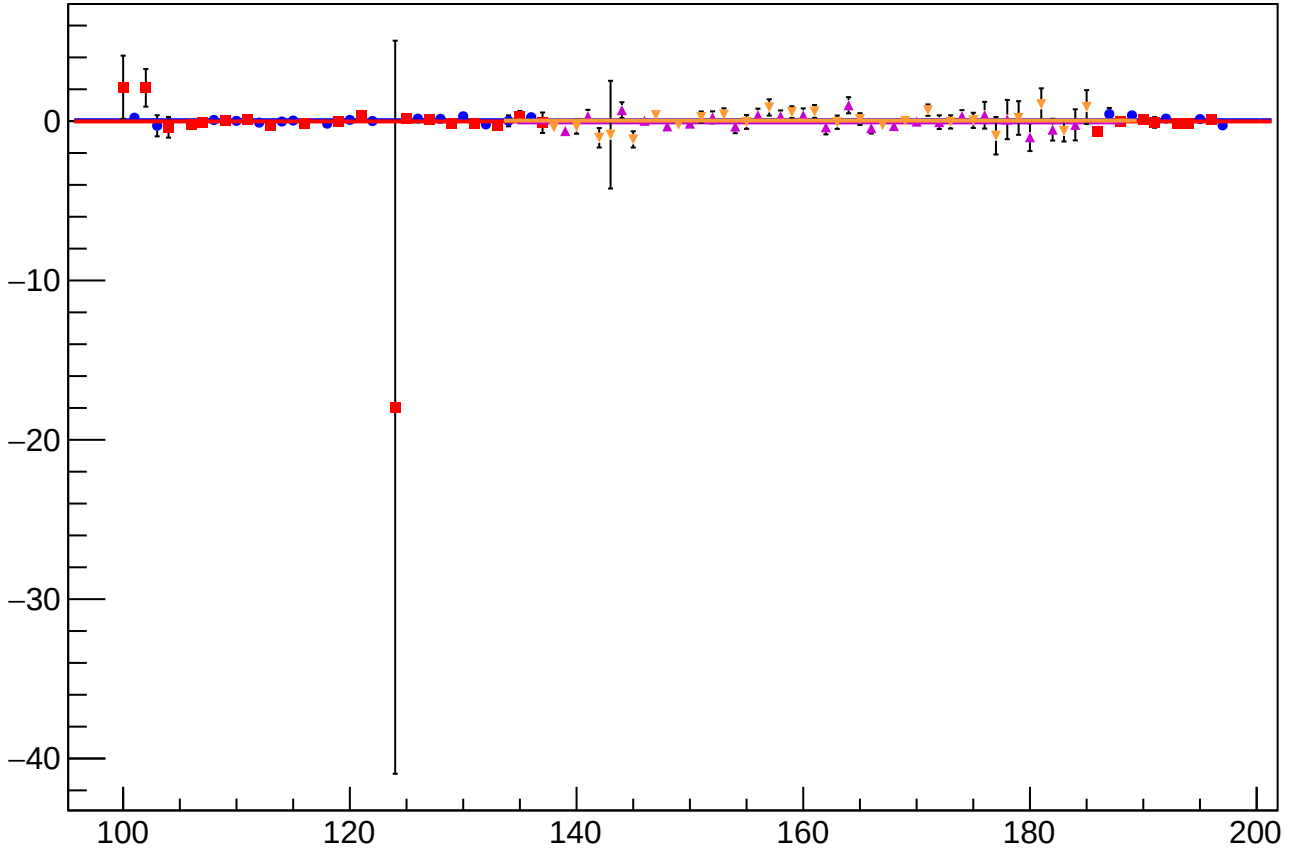
+ sign 0.000+/-0.000 χ^2/NDF: 64.4/44

All: 0.000+/-0.000 χ^2/NDF: 120.1/92

- sign -0.000+/-0.000 χ^2/NDF: 52.2/47


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.010+/-0.000 χ²/NDF: 1299473.9/20
Left Out: 0.004+/-0.000 χ²/NDF:12078055.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 12531230.9/24
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
+ sign 0.005+/-0.000 χ²/NDF: 18665471.4/44
All: 0.004+/-0.000 χ²/NDF: 42922242.7/92
- sign 0.004+/-0.000 χ²/NDF: 23639412.2/47

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.059+/-0.041 χ^2/NDF: 15.5/20

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.036 χ^2/NDF: 29.5/25

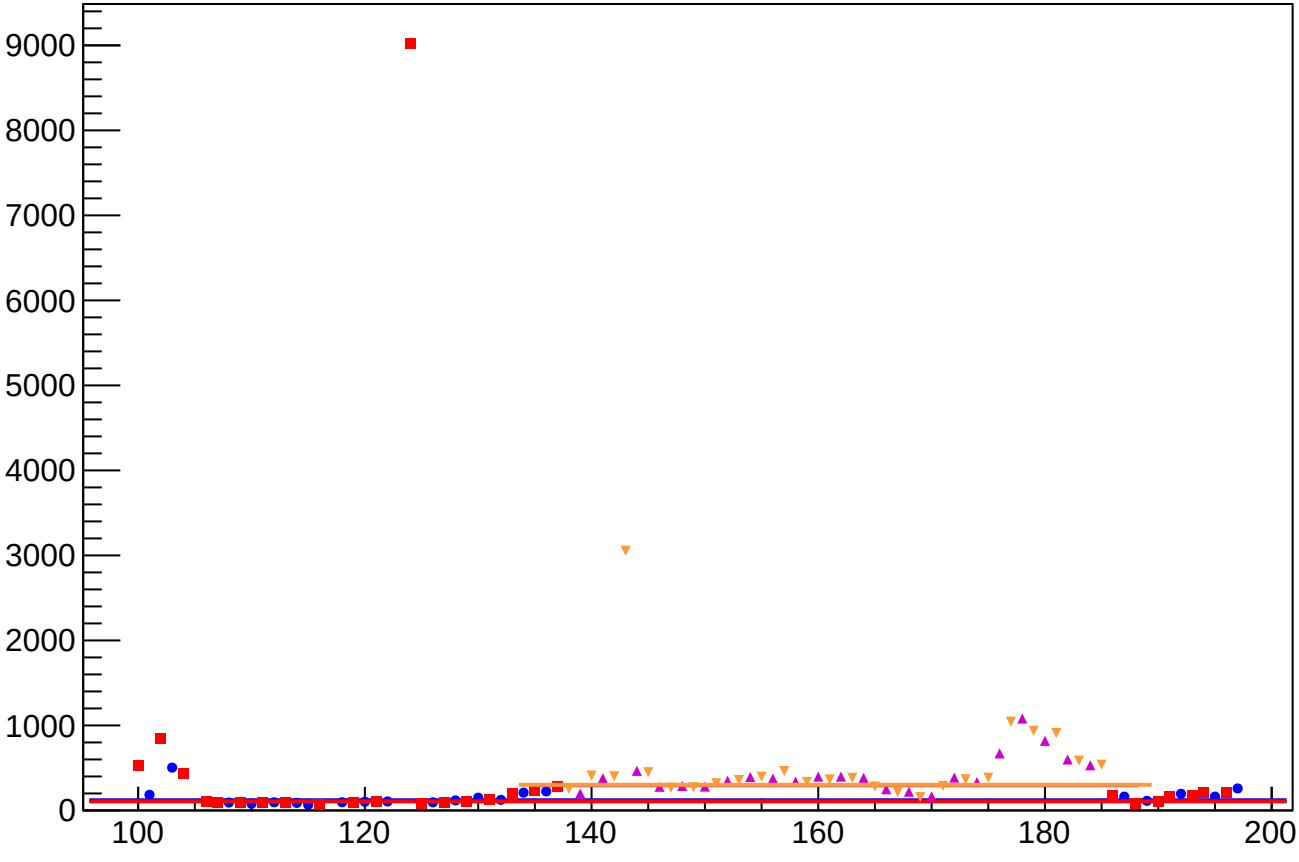
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.054+/-0.036 χ^2/NDF: 45.3/45

All: 0.008+/-0.024 χ^2/NDF: 102.3/94

- sign -0.029+/-0.032 χ^2/NDF: 54.1/48

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 119.810+/-0.029 χ^2/NDF: 2892571.3/20

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

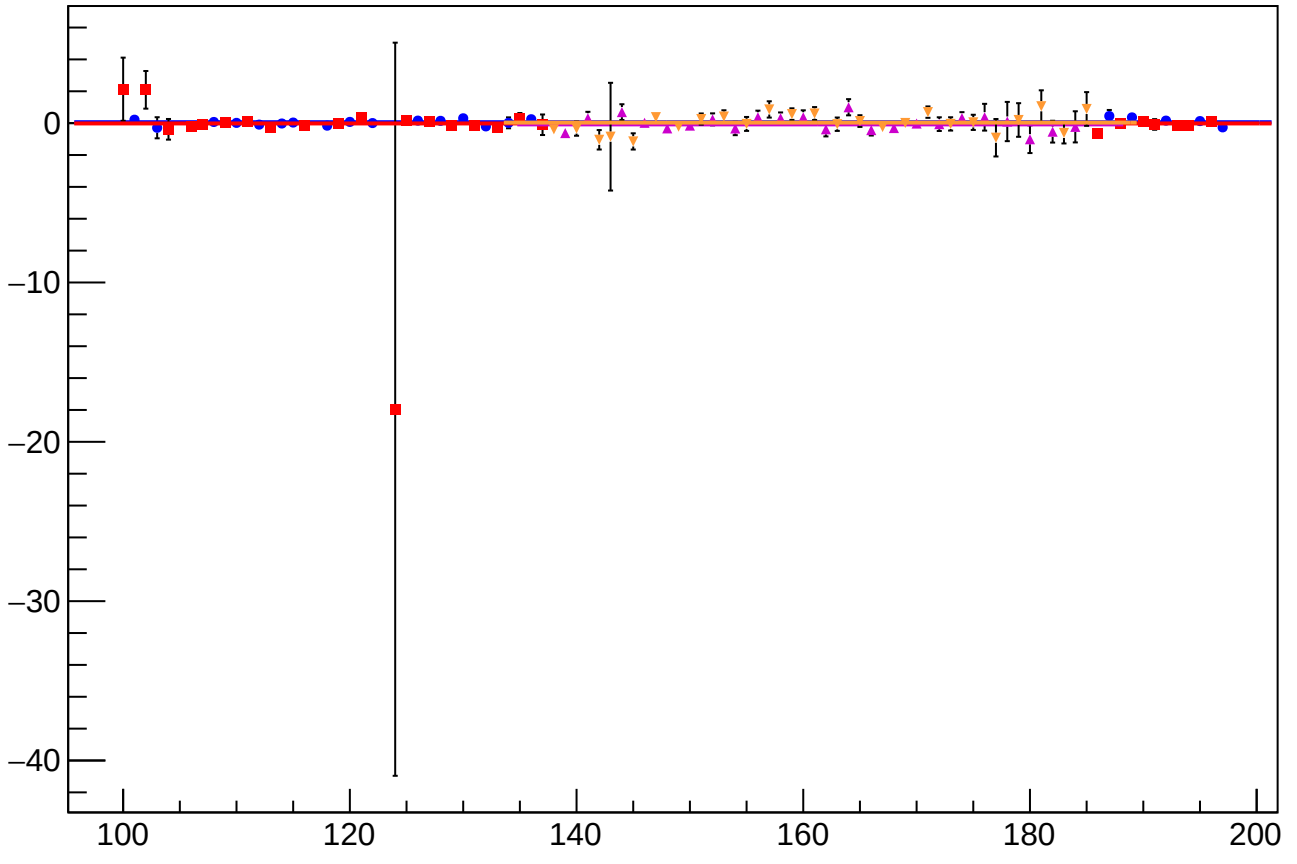
Right Out: 106.807+/-0.025 χ^2/NDF: 4070981.1/25

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 159.792+/-0.026 χ^2/NDF: 18312235.3/45

All: 149.421+/-0.017 χ^2/NDF: 37917835.0/94

- sign 141.155+/-0.023 χ^2/NDF: 19308388.1/48



Right In: 0.059+/-0.041 χ^2/NDF: 15.5/20

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

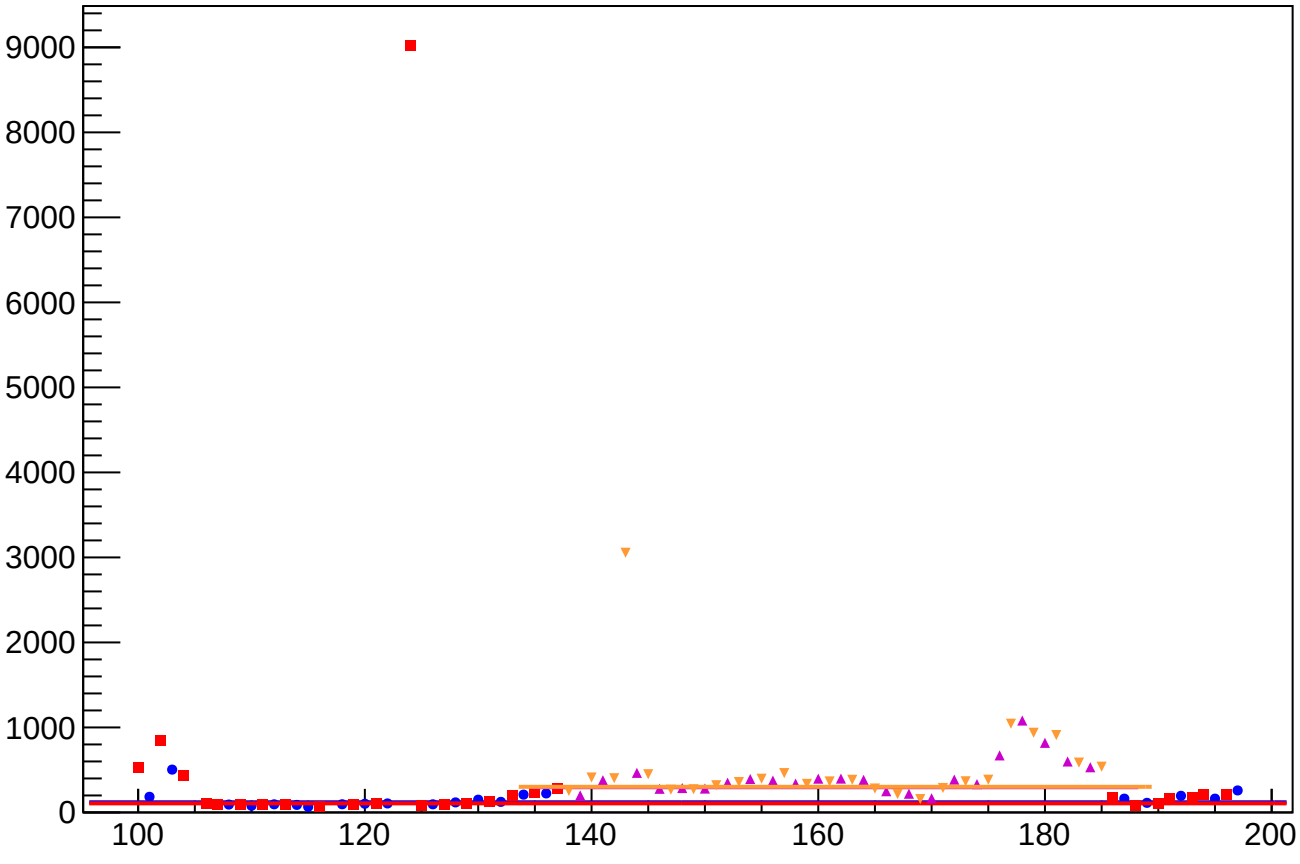
Right Out: -0.019+/-0.036 χ^2/NDF: 29.5/25

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.054+/-0.036 χ^2/NDF: 45.3/45

All: 0.008+/-0.024 χ^2/NDF: 102.3/94

- sign -0.029+/-0.032 χ^2/NDF: 54.1/48



Right In: 119.810+/-0.029 χ^2/NDF: 2892571.3/20

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

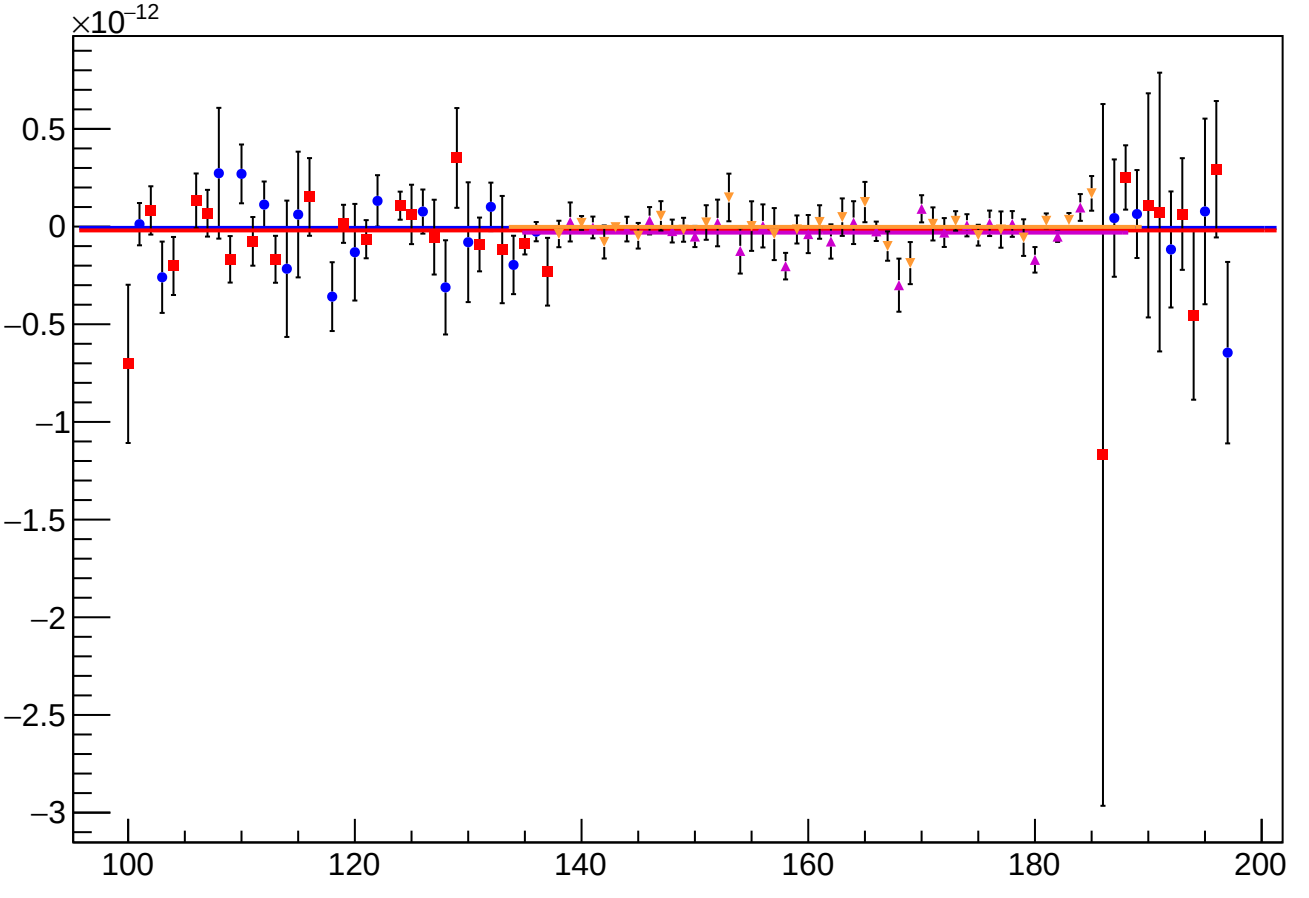
Right Out: 106.807+/-0.025 χ^2/NDF: 4070981.1/25

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 159.792+/-0.026 χ^2/NDF: 18312235.3/45

All: 149.421+/-0.017 χ^2/NDF: 37917835.0/94

- sign 141.155+/-0.023 χ^2/NDF: 19308388.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

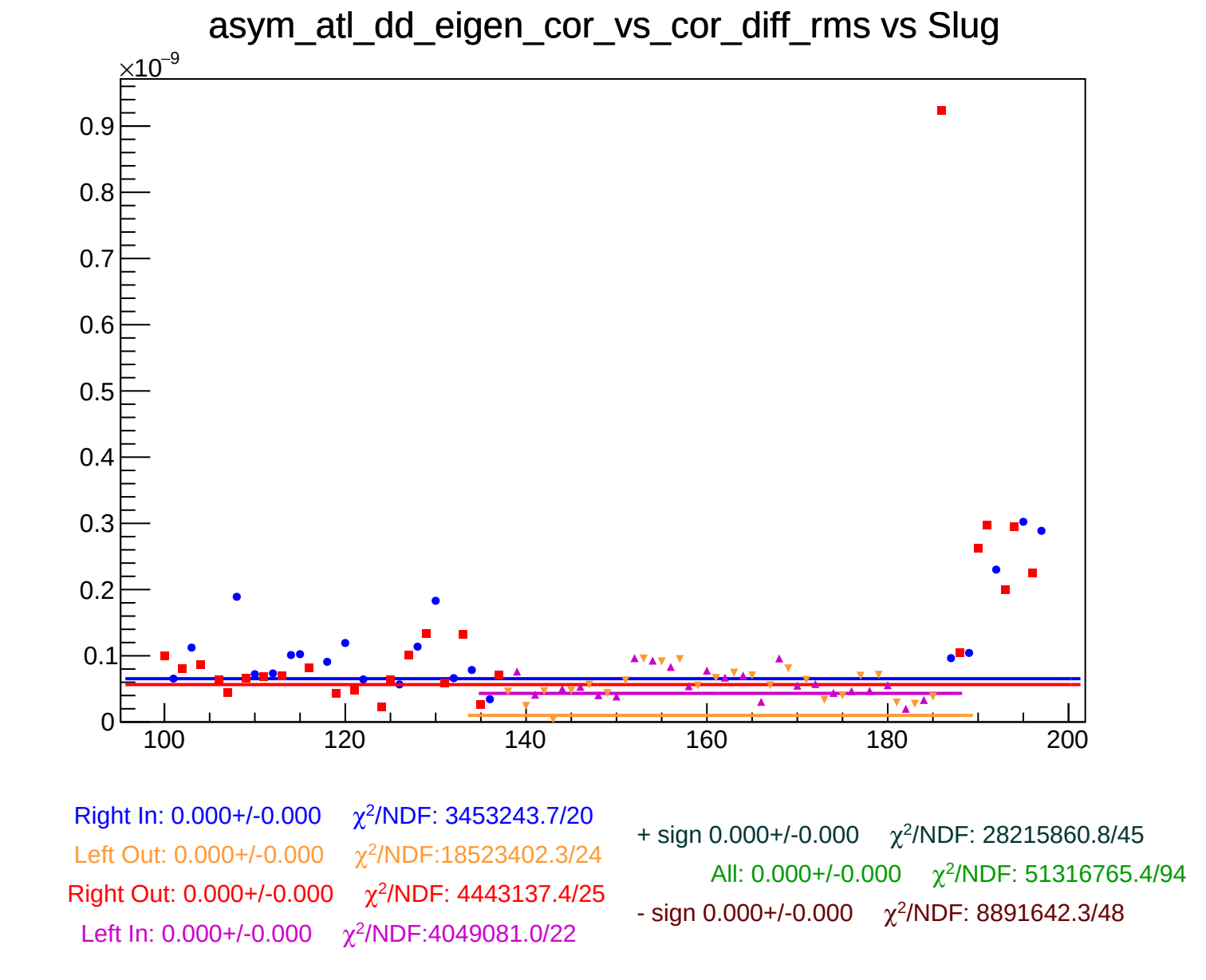
Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/25

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

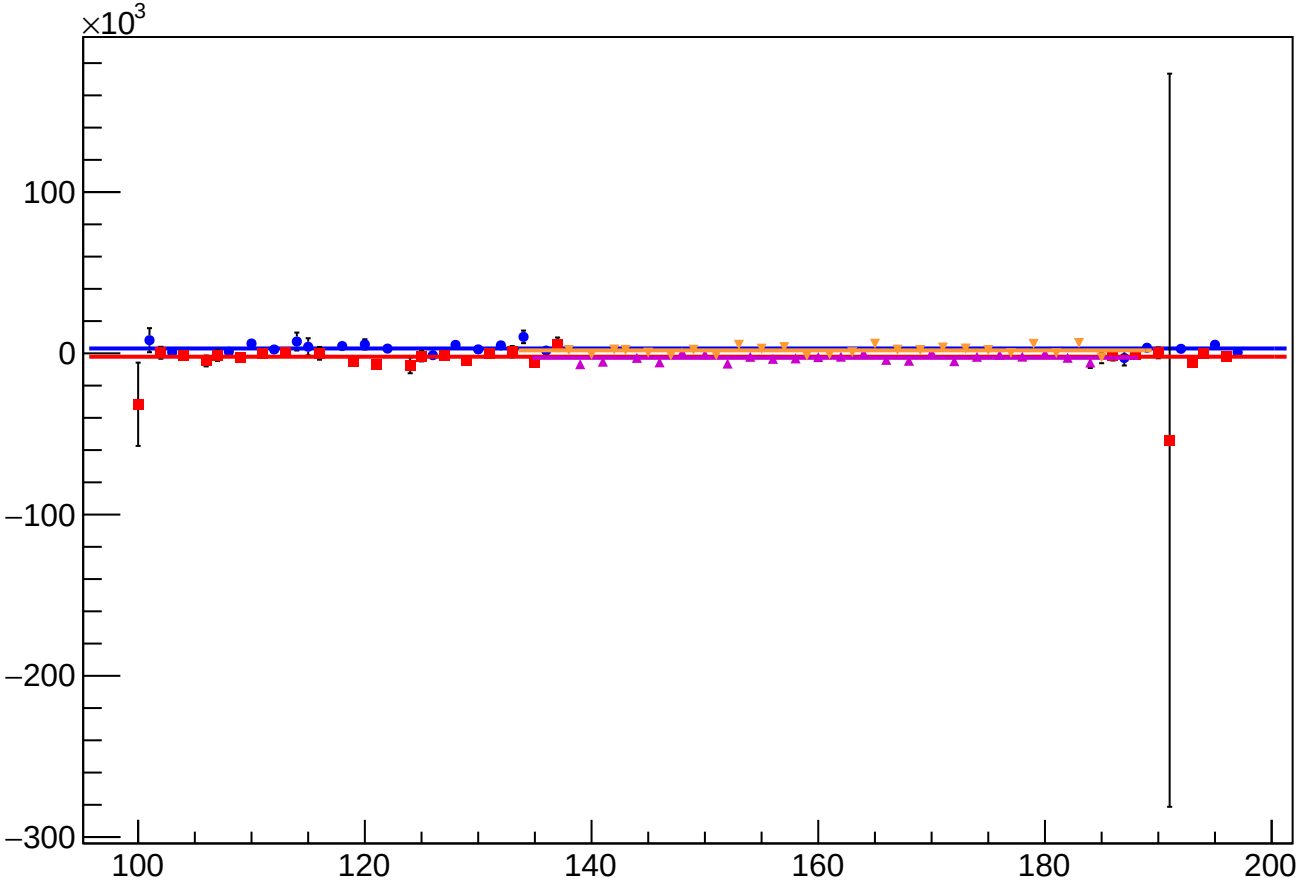
+ sign -0.000+/-0.000 χ^2/NDF: 37.4/45

All: -0.000+/-0.000 χ^2/NDF: 93.1/94

- sign -0.000+/-0.000 χ^2/NDF: 51.3/48


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3453243.7/20
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 4443137.4/25
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
+ sign 0.000+/-0.000 χ²/NDF: 28215860.8/45
All: 0.000+/-0.000 χ²/NDF: 51316765.4/94
- sign 0.000+/-0.000 χ²/NDF: 8891642.3/48

reg_asym_atr_avg_mean vs Slug



Right In: 3027.848+/-605.160 χ^2/NDF: 15.9/20

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2095.407+/-575.397 χ^2/NDF: 20.8/25

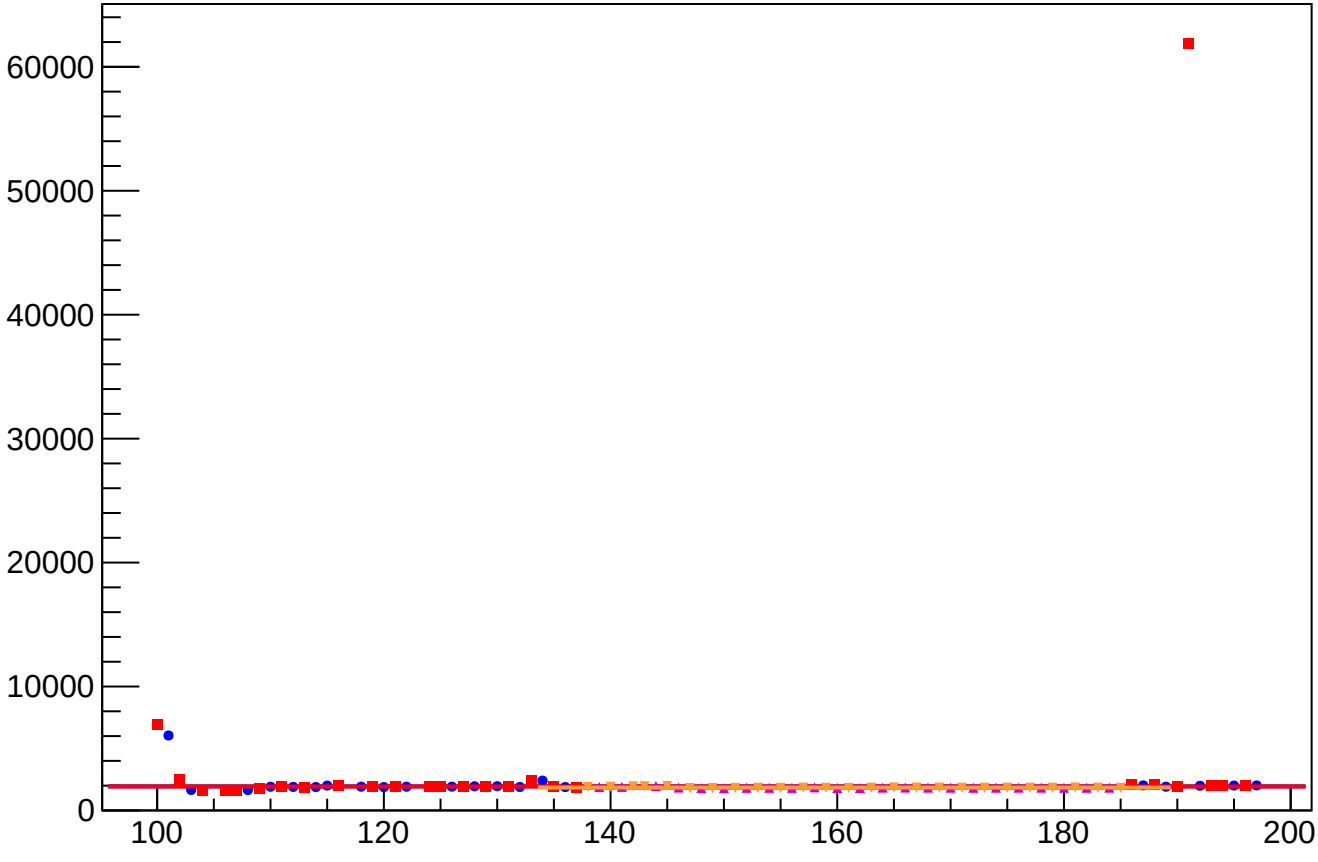
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2234.264+/-345.046 χ^2/NDF: 49.9/45

All: -149.602+/-243.929 χ^2/NDF: 192.5/94

- sign -2531.332+/-344.891 χ^2/NDF: 47.1/48

reg_asym_atr_avg_rms vs Slug



Right In: 1942.340+/-0.428 χ^2/NDF: 705520.9/20

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1934.999+/-0.406 χ^2/NDF: 400939.8/25

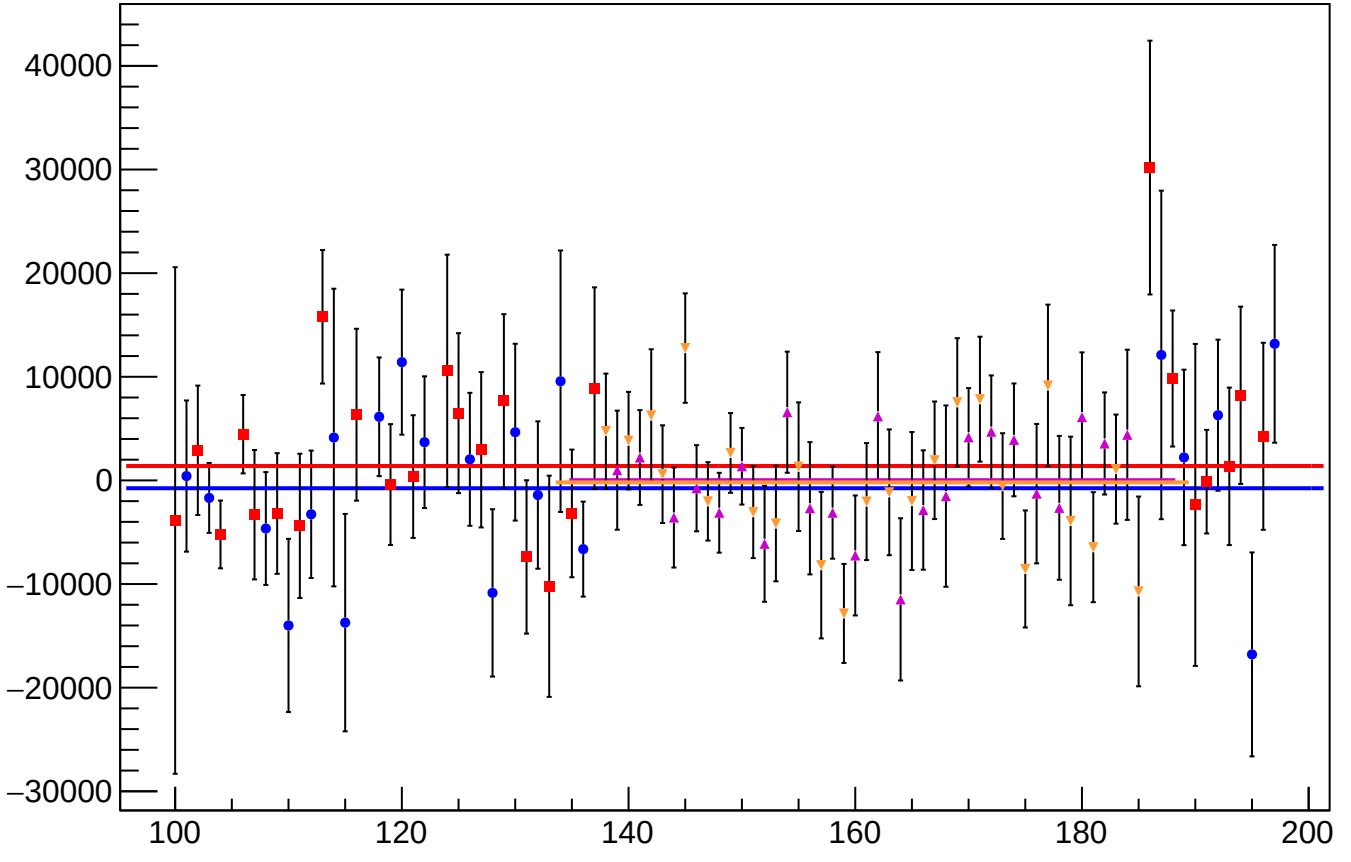
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1879.022+/-0.244 χ^2/NDF: 758849.4/45

All: 1878.244+/-0.172 χ^2/NDF: 1205234.5/94

- sign 1877.468+/-0.244 χ^2/NDF: 446364.8/48

asym_atr_avg_reg_correction_mean vs Slug



Right In: -755.448+/-1481.053 χ^2/NDF: 20.9/20

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1393.262+/-1289.620 χ^2/NDF: 25.7/25

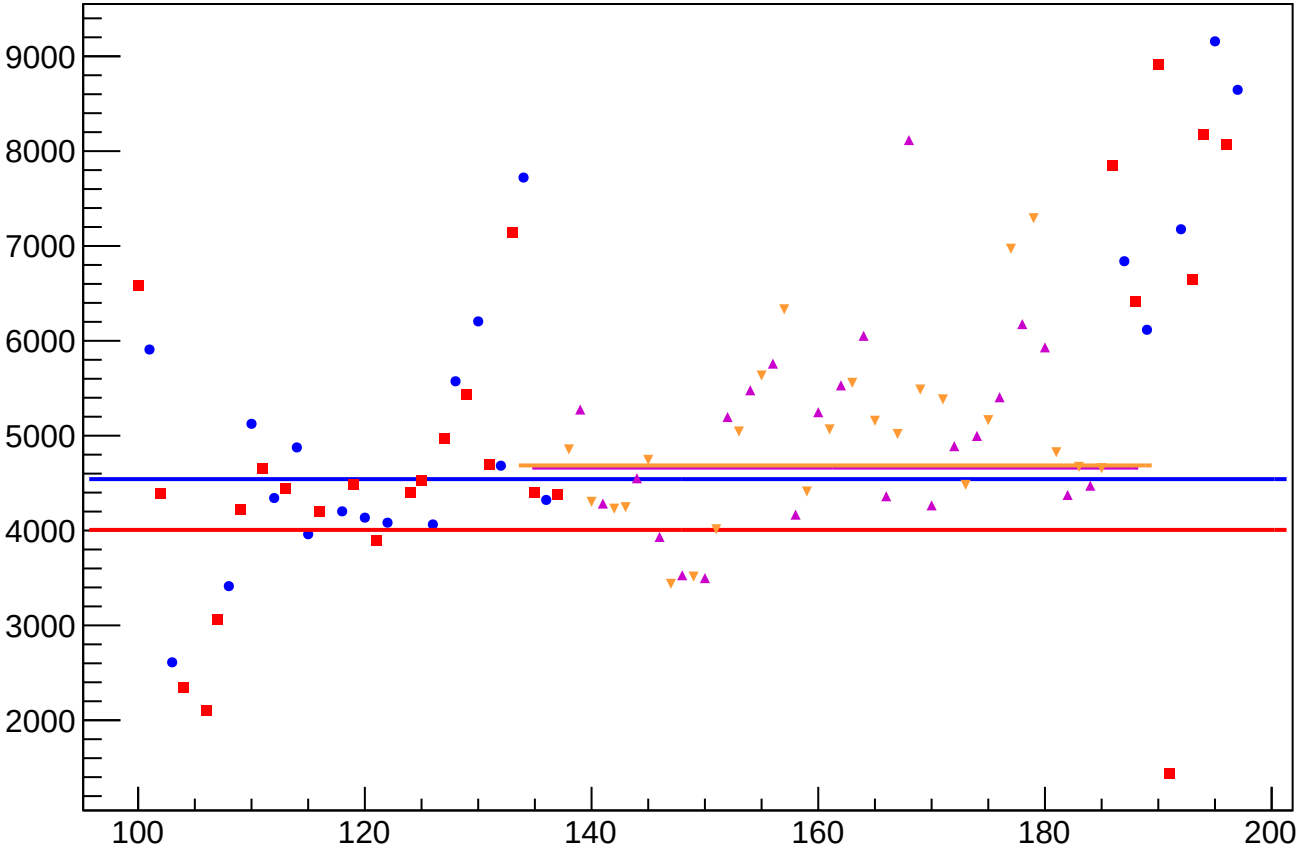
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -387.986+/-877.157 χ^2/NDF: 49.9/45

All: 128.887+/-607.585 χ^2/NDF: 90.7/94

- sign 605.617+/-842.405 χ^2/NDF: 40.1/48

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4541.999+/-1.047 χ^2/NDF: 2289460.8/20

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

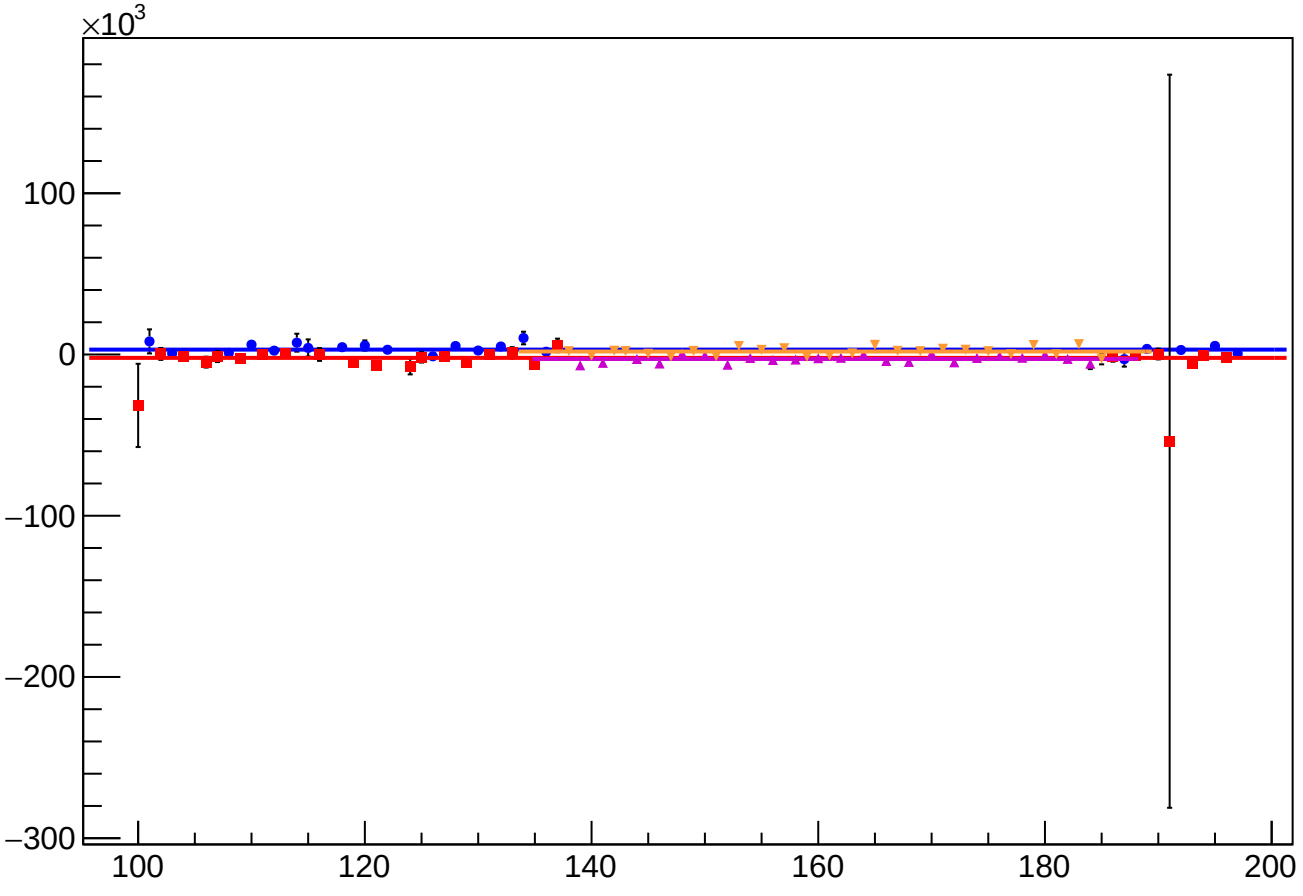
Right Out: 4006.700+/-0.912 χ^2/NDF: 3768894.8/25

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4635.719+/-0.620 χ^2/NDF: 3486859.9/45

All: 4504.313+/-0.430 χ^2/NDF: 8925971.5/94

- sign 4383.114+/-0.596 χ^2/NDF: 5352827.3/48



Right In: 3027.433+/-605.160 χ^2/NDF: 15.9/20

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2096.113+/-575.400 χ^2/NDF: 20.8/25

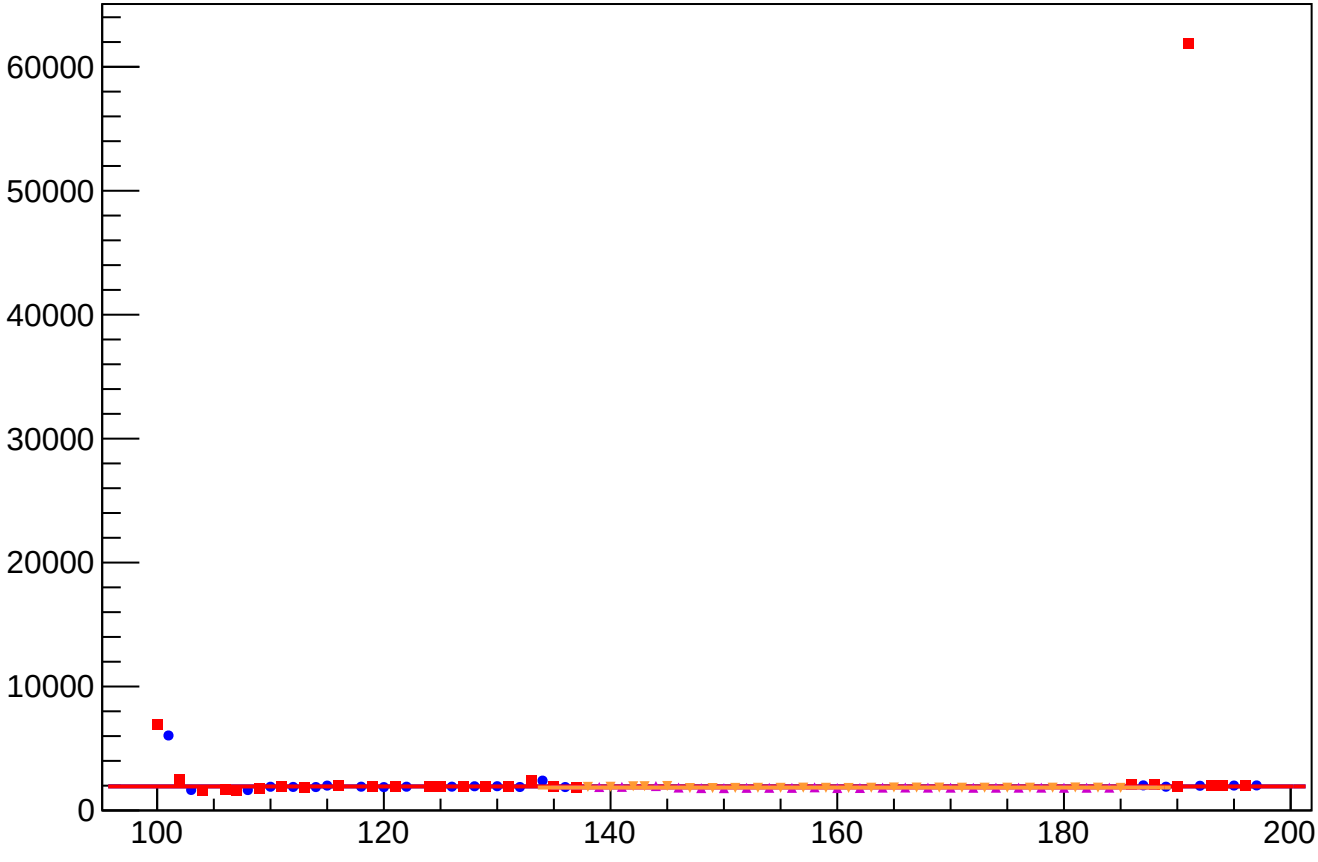
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2234.054+/-345.046 χ^2/NDF: 49.9/45

All: -149.824+/-243.930 χ^2/NDF: 192.5/94

- sign -2531.571+/-344.891 χ^2/NDF: 47.1/48

cor_asym_atr_avg_rms vs Slug



Right In: 1942.340+/-0.428 χ^2/NDF: 705520.0/20

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1937.722+/-0.406 χ^2/NDF: 393055.4/25

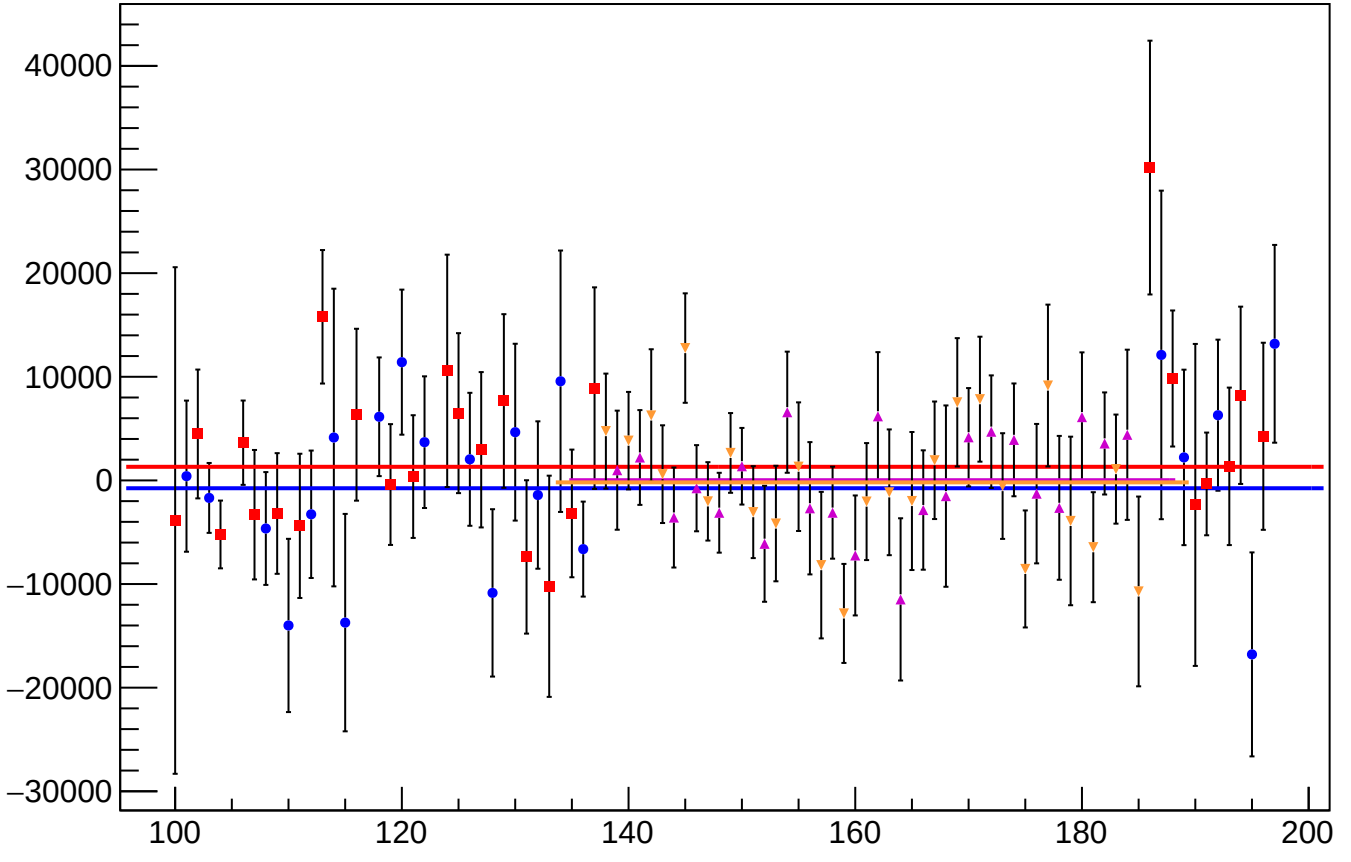
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1879.022+/-0.244 χ^2/NDF: 758848.6/45

All: 1878.709+/-0.172 χ^2/NDF: 1199209.8/94

- sign 1878.396+/-0.244 χ^2/NDF: 440357.9/48

asym_atr_avg_cor_correction_mean vs Slug



Right In: -755.737+/-1481.055 χ^2/NDF: 20.9/20

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1312.735+/-1299.017 χ^2/NDF: 25.6/25

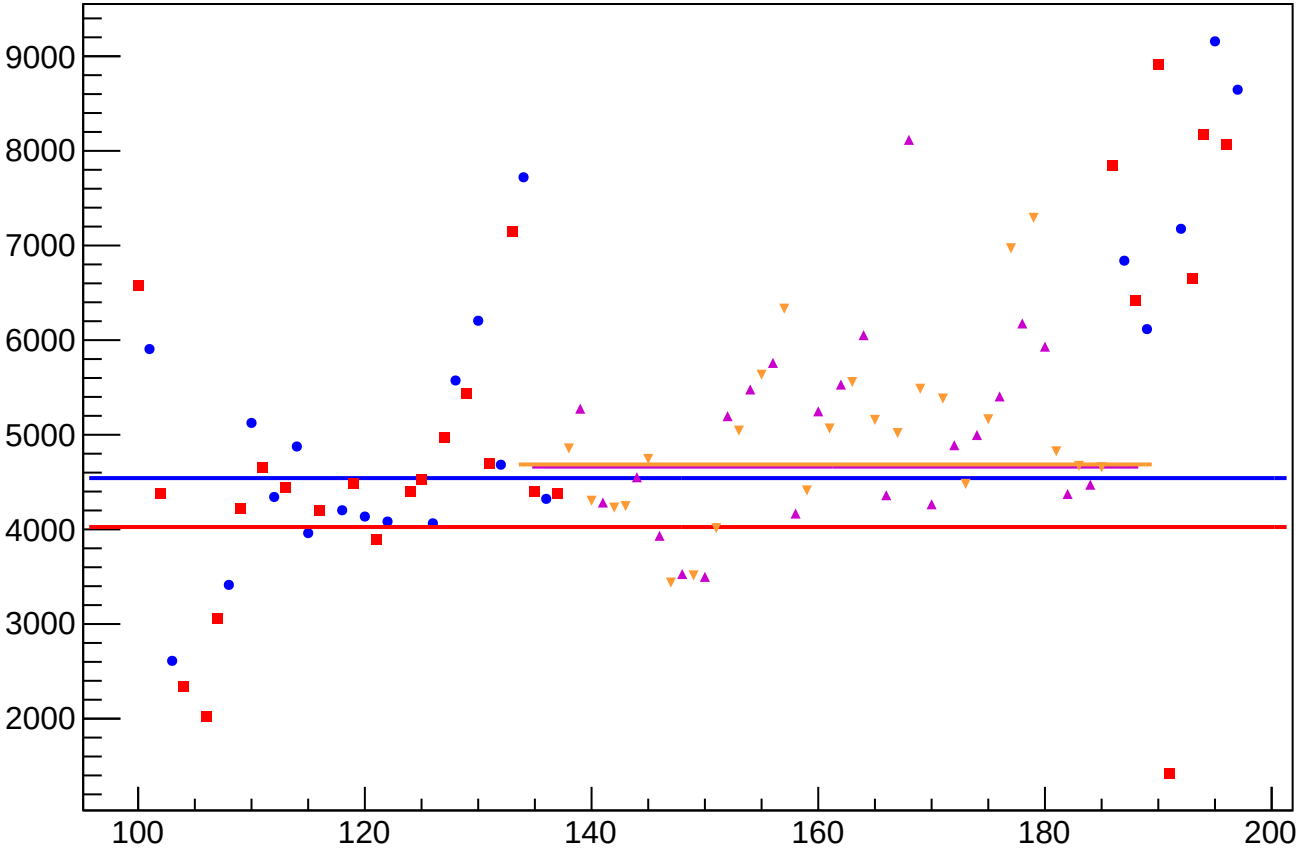
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -388.106+/-877.157 χ^2/NDF: 49.9/45

All: 107.109+/-608.559 χ^2/NDF: 90.4/94

- sign 566.690+/-845.008 χ^2/NDF: 39.9/48

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4542.081+/-1.047 χ^2/NDF: 2288901.9/20

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

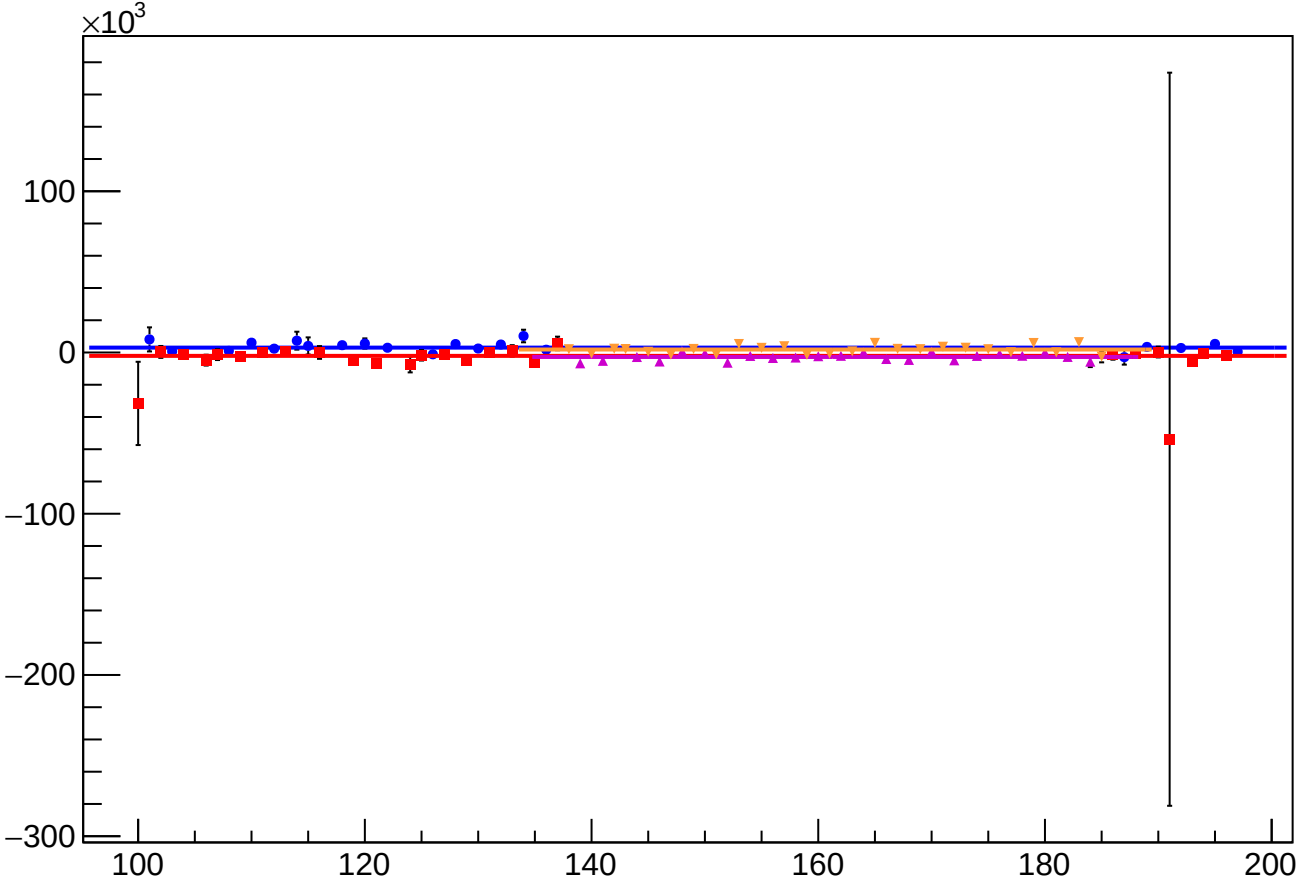
Right Out: 4025.088+/-0.919 χ^2/NDF: 3748830.1/25

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4635.743+/-0.620 χ^2/NDF: 3486310.9/45

All: 4509.959+/-0.430 χ^2/NDF: 8879617.7/94

- sign 4393.225+/-0.598 χ^2/NDF: 5314011.4/48



Right In: 3027.433+/-605.160 χ^2/NDF: 15.9/20

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2096.113+/-575.400 χ^2/NDF: 20.8/25

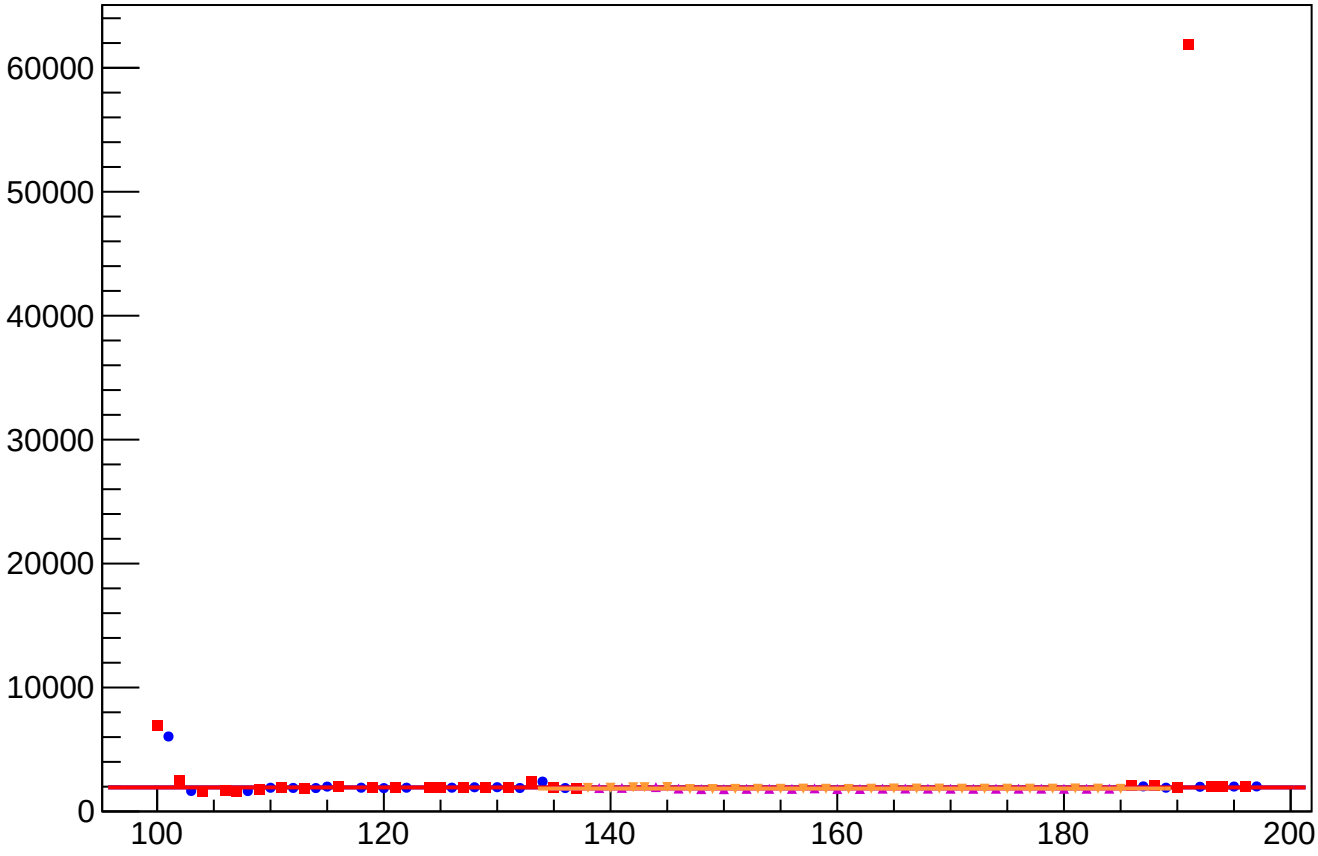
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2234.054+/-345.046 χ^2/NDF: 49.9/45

All: -149.824+/-243.930 χ^2/NDF: 192.5/94

- sign -2531.571+/-344.891 χ^2/NDF: 47.1/48

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1942.340+/-0.428 χ^2/NDF: 705520.0/20

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1937.722+/-0.406 χ^2/NDF: 393055.4/25

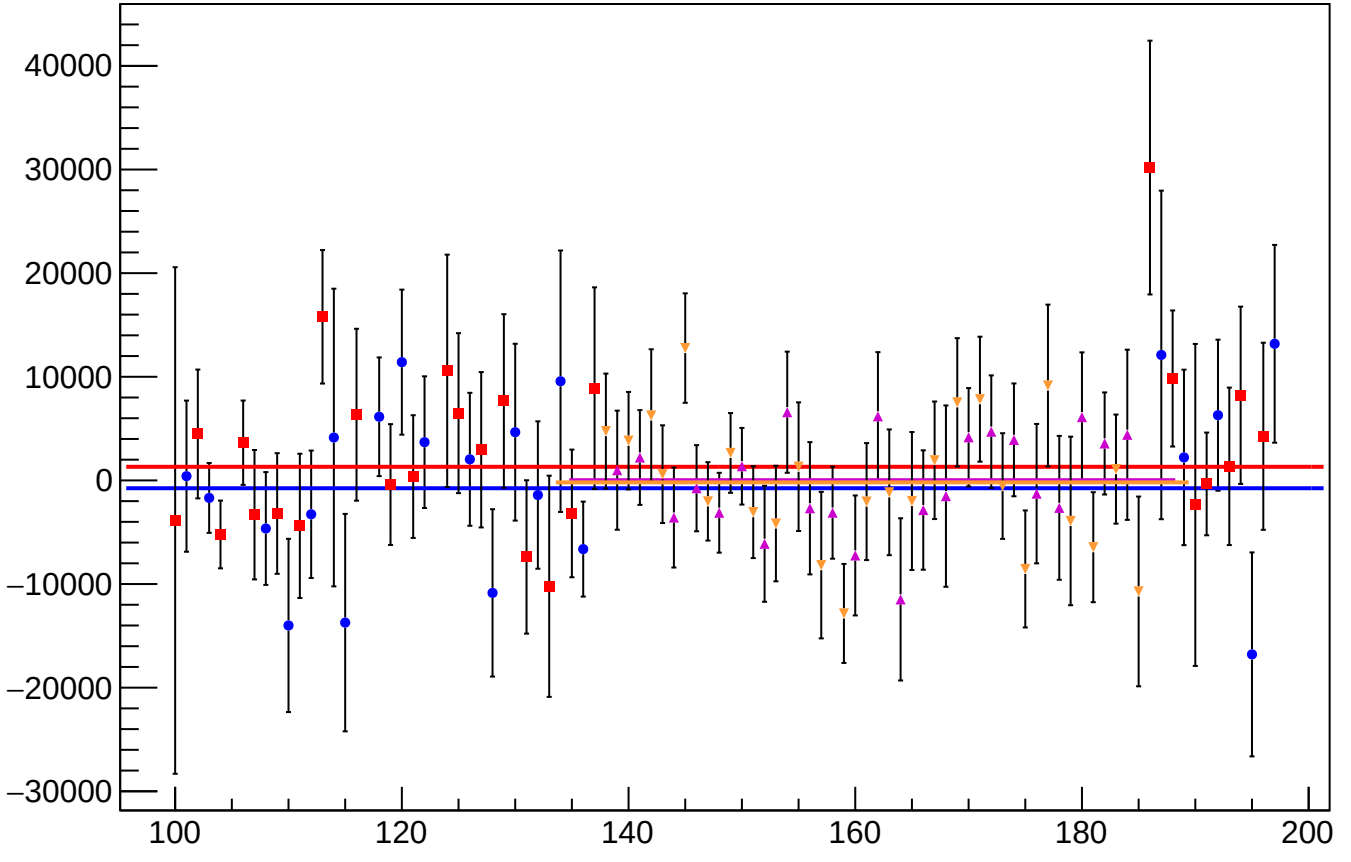
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1879.022+/-0.244 χ^2/NDF: 758848.6/45

All: 1878.709+/-0.172 χ^2/NDF: 1199209.8/94

- sign 1878.396+/-0.244 χ^2/NDF: 440357.9/48

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -755.737+/-1481.055 χ^2/NDF: 20.9/20

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1312.735+/-1299.017 χ^2/NDF: 25.6/25

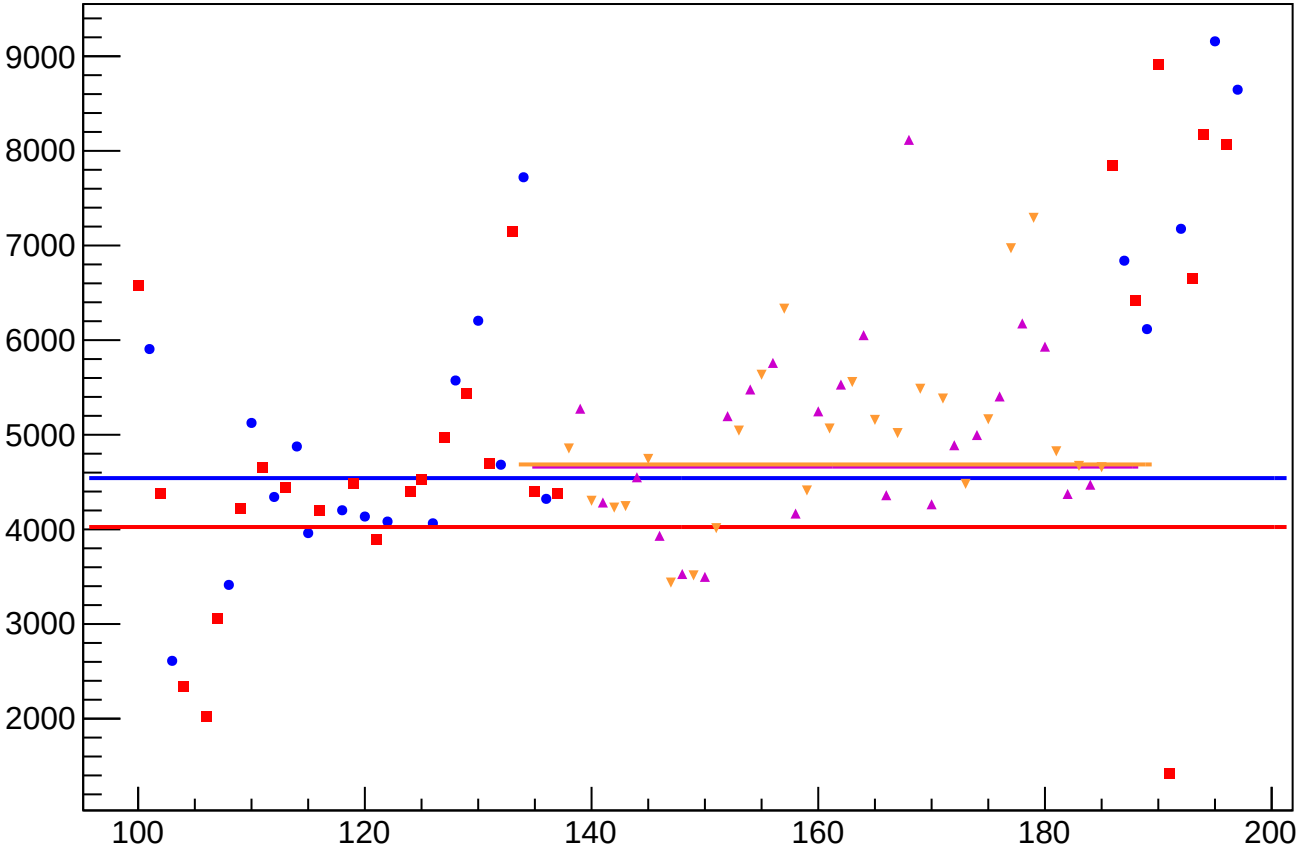
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -388.106+/-877.157 χ^2/NDF: 49.9/45

All: 107.109+/-608.559 χ^2/NDF: 90.4/94

- sign 566.690+/-845.008 χ^2/NDF: 39.9/48

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4542.081+/-1.047 χ^2/NDF: 2288901.9/20

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

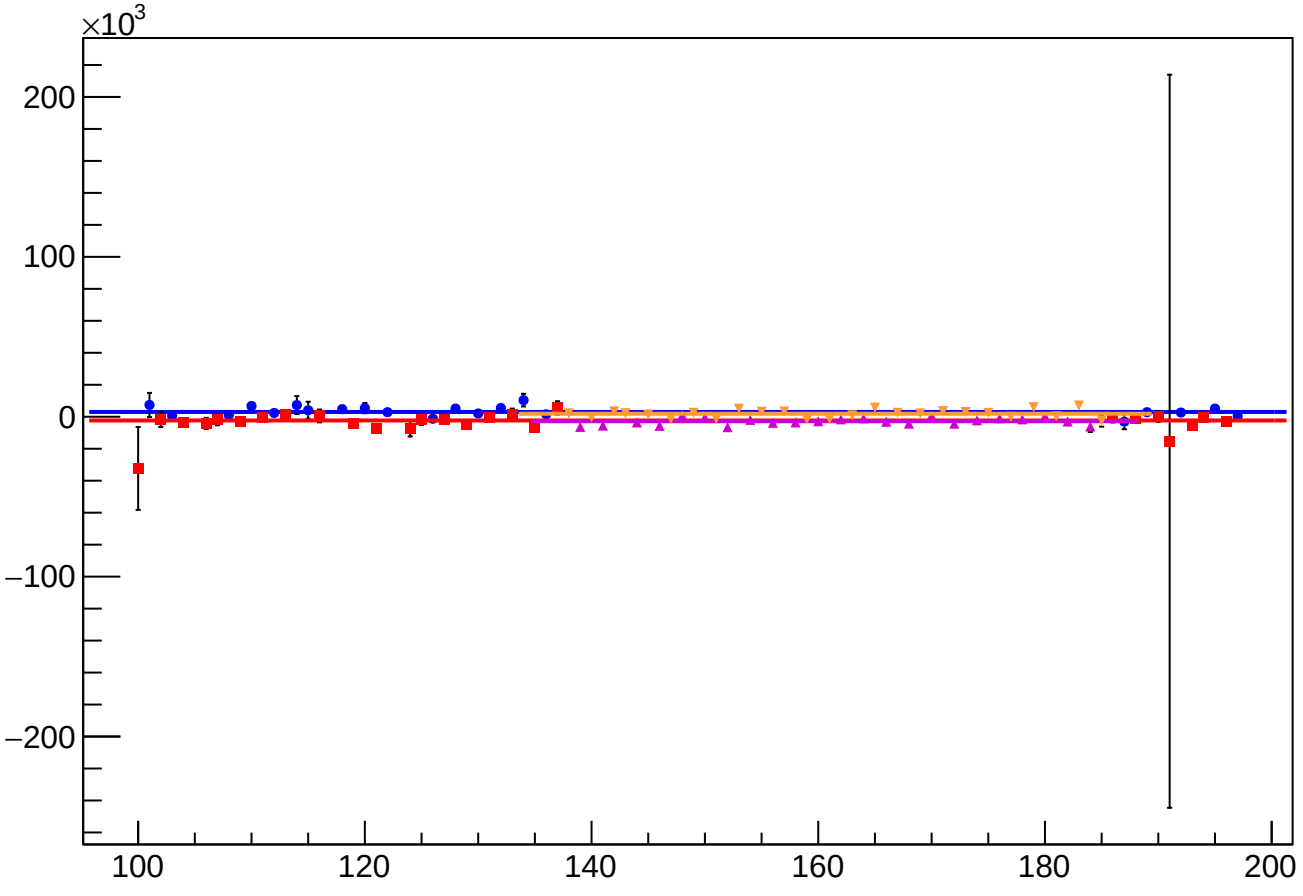
Right Out: 4025.088+/-0.919 χ^2/NDF: 3748830.1/25

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4635.743+/-0.620 χ^2/NDF: 3486310.9/45

All: 4509.959+/-0.430 χ^2/NDF: 8879617.7/94

- sign 4393.225+/-0.598 χ^2/NDF: 5314011.4/48



Right In: 2999.084+/-620.871 χ^2/NDF: 16.4/20

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2318.178+/-590.533 χ^2/NDF: 21.1/25

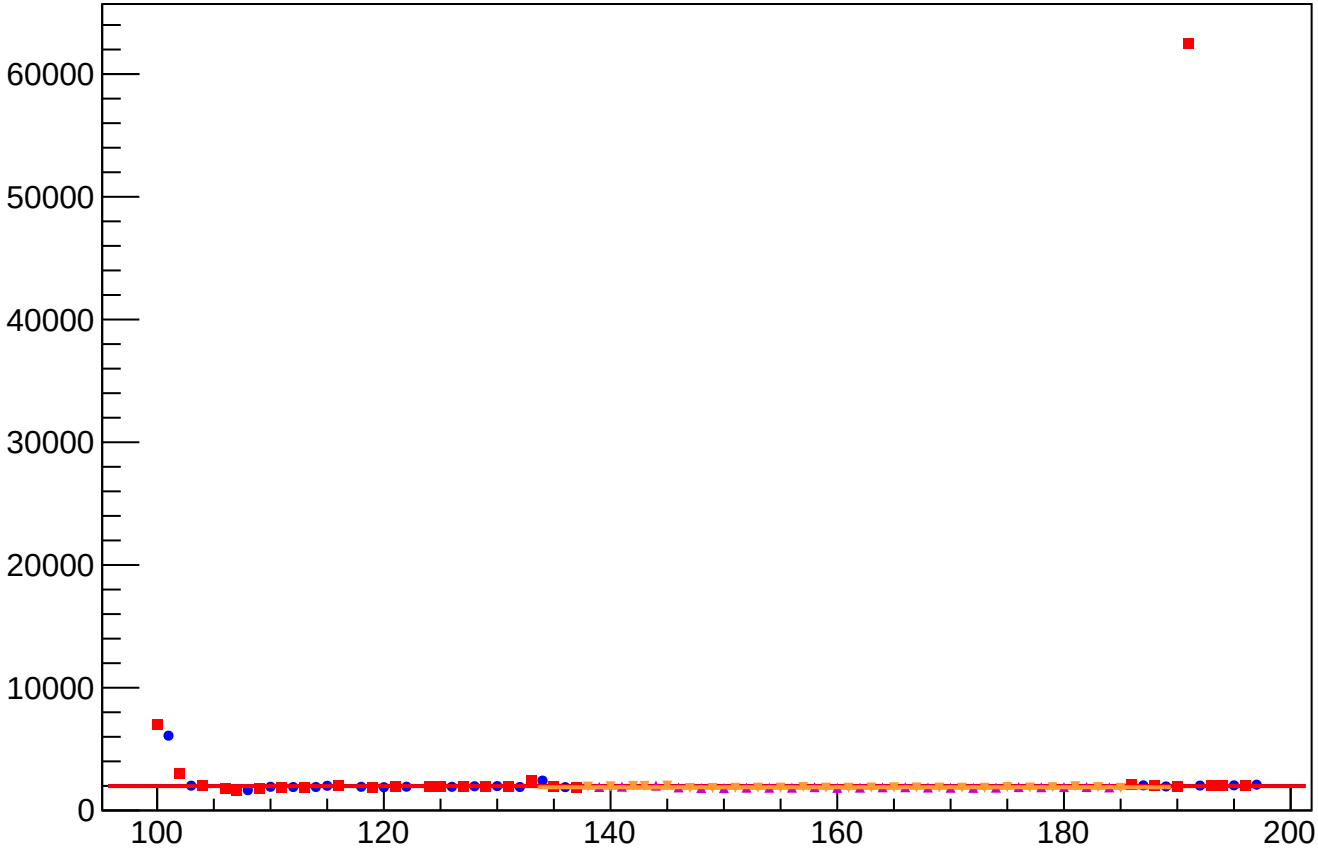
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2242.237+/-352.931 χ^2/NDF: 51.5/45

All: -195.999+/-249.384 χ^2/NDF: 193.8/94

- sign -2627.377+/-352.435 χ^2/NDF: 47.0/48

dit_asym_atr_avg_rms vs Slug



Right In: 1994.025+/-0.439 χ^2/NDF: 673174.3/20

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

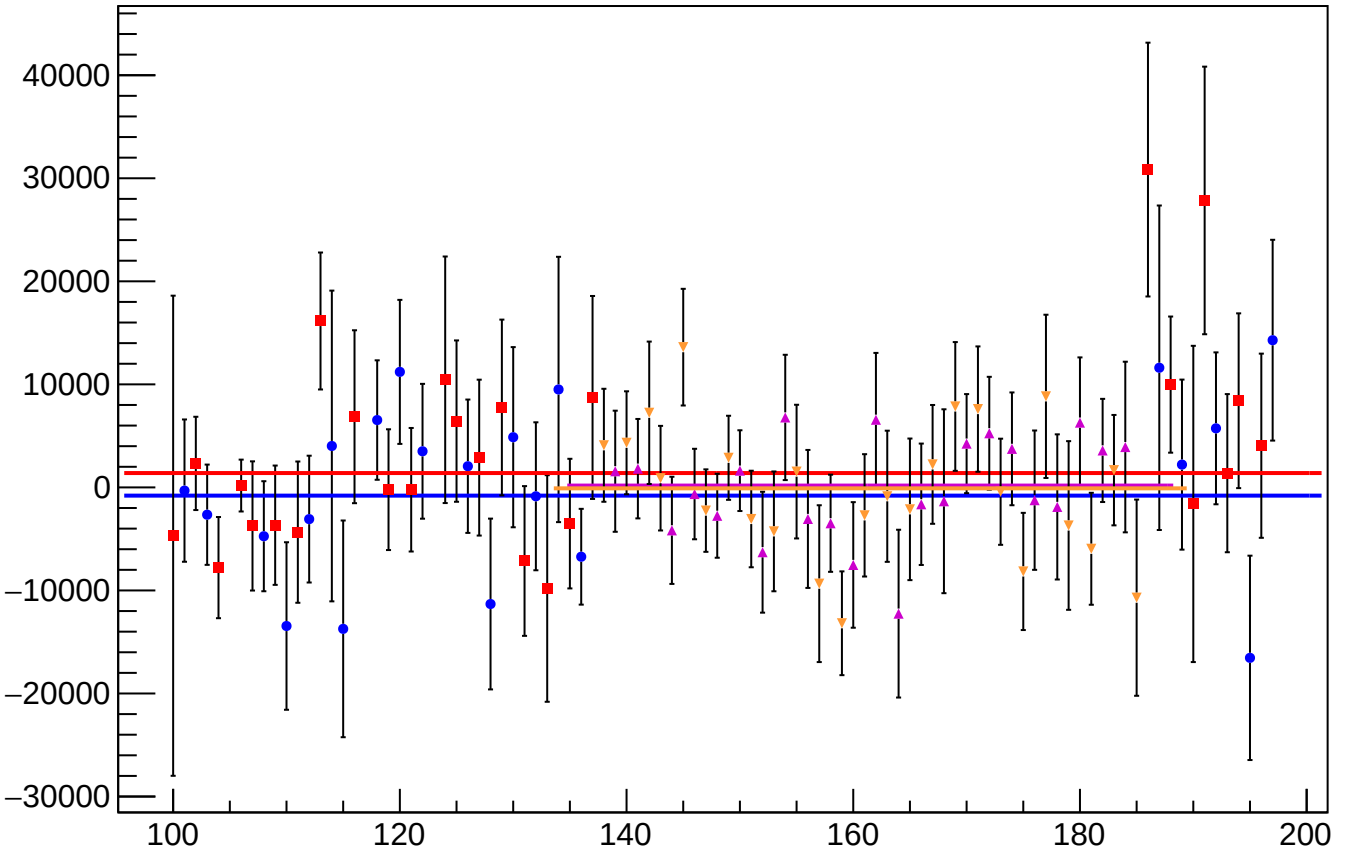
Right Out: 1983.285+/-0.417 χ^2/NDF: 415679.2/25

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1921.952+/-0.250 χ^2/NDF: 744947.2/45

All: 1919.565+/-0.176 χ^2/NDF: 1218827.0/94

- sign 1917.185+/-0.249 χ^2/NDF: 473697.1/48



Right In: -798.249+/-1565.621 χ^2/NDF: 20.8/20

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1393.004+/-1269.114 χ^2/NDF: 29.0/25

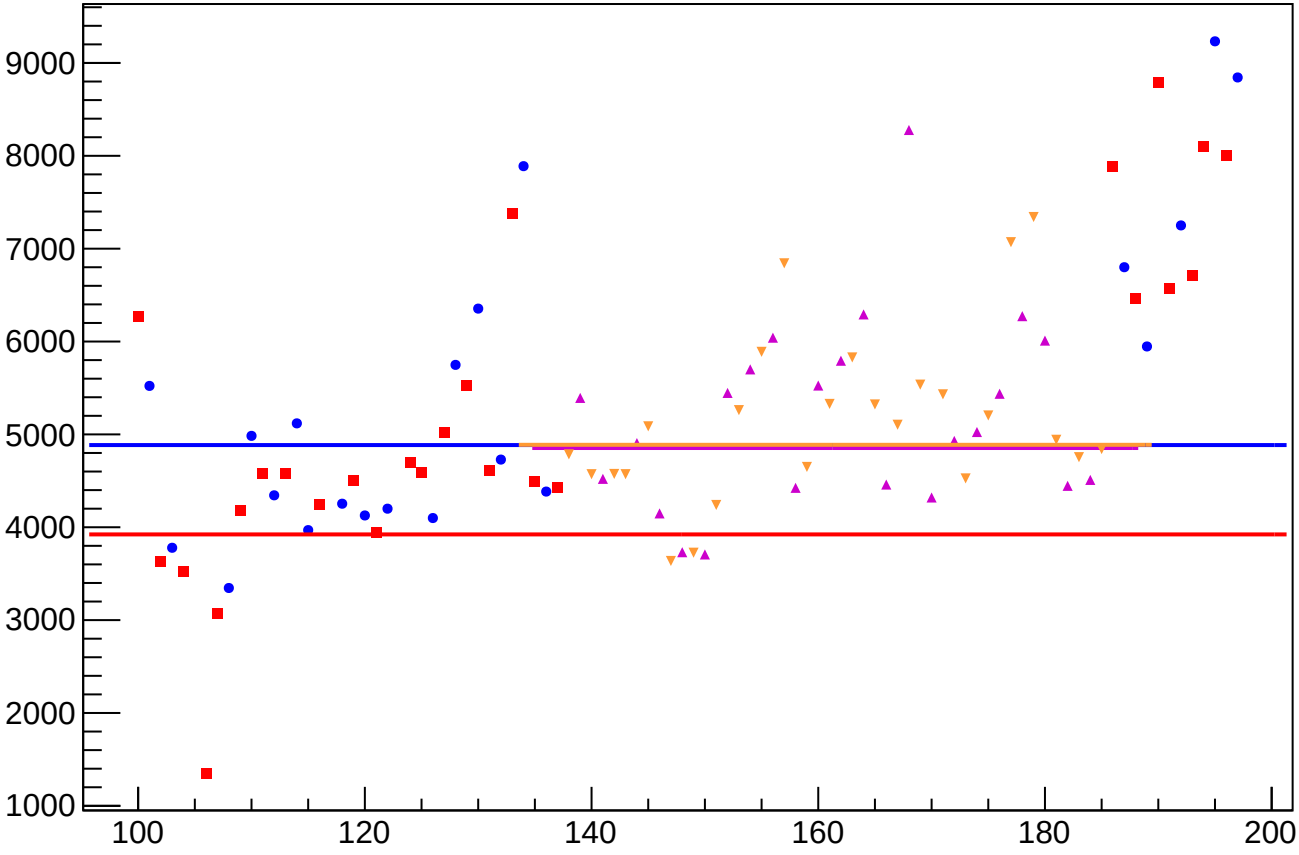
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -334.734+/-917.991 χ^2/NDF: 49.0/45

All: 234.841+/-625.519 χ^2/NDF: 92.8/94

- sign 728.514+/-854.637 χ^2/NDF: 43.1/48

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4885.068+/-1.107 χ^2/NDF: 1611301.2/20

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 3922.930+/-0.897 χ^2/NDF: 4567439.4/25

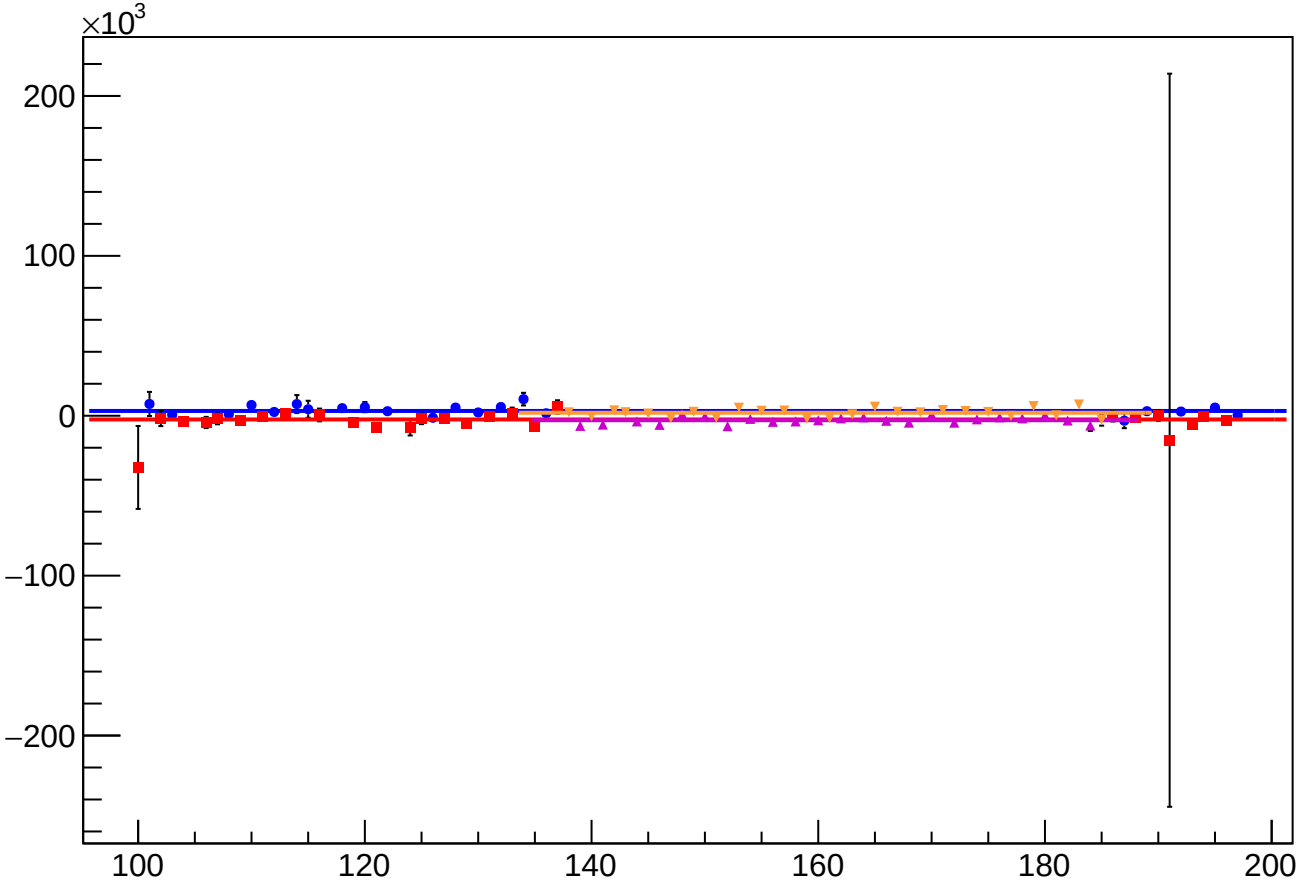
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4886.876+/-0.649 χ^2/NDF: 2674603.8/45

All: 4642.894+/-0.442 χ^2/NDF: 9271896.4/94

- sign 4431.426+/-0.604 χ^2/NDF: 6333567.9/48

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 2999.085+/-620.871 χ^2/NDF: 16.4/20

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2318.179+/-590.533 χ^2/NDF: 21.1/25

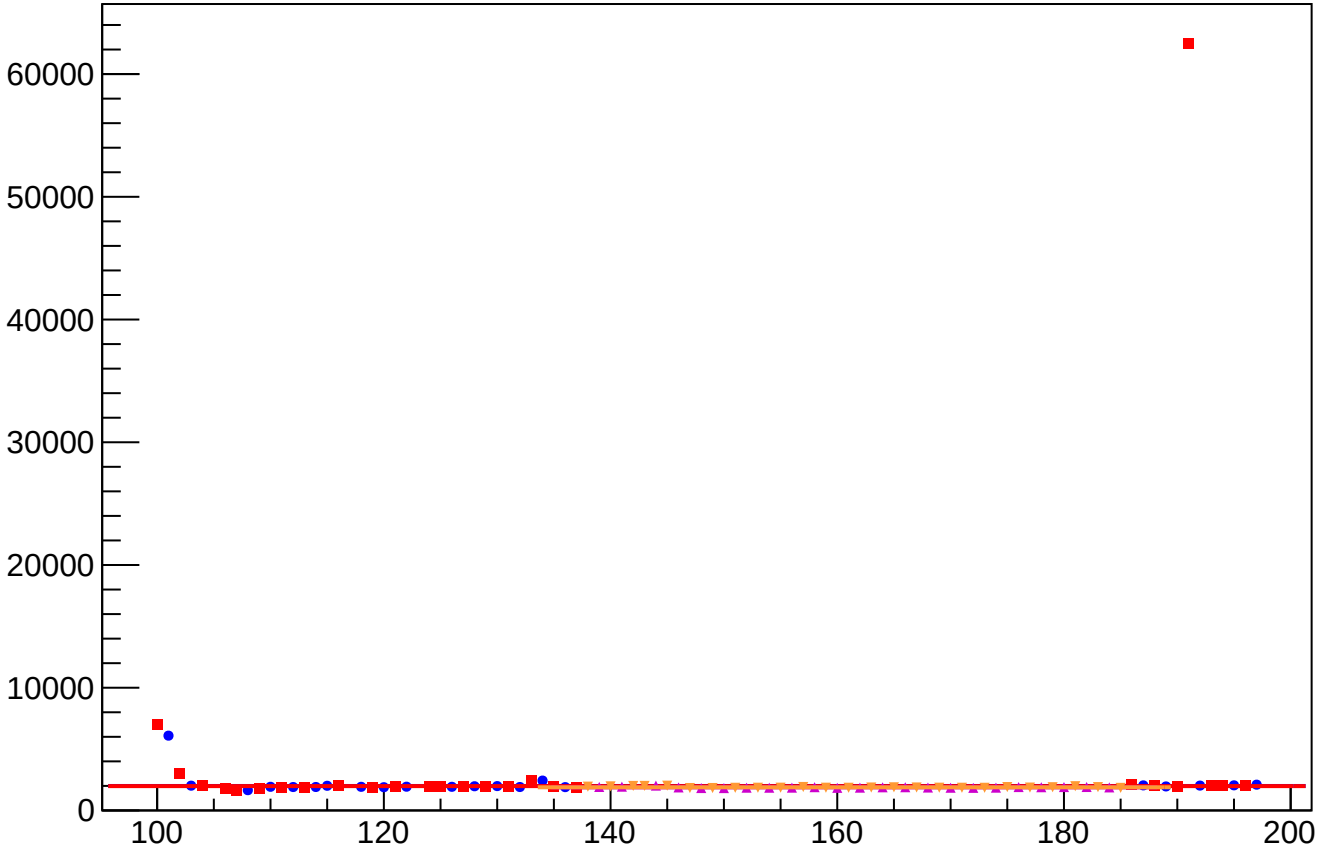
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2242.234+/-352.931 χ^2/NDF: 51.5/45

All: -196.000+/-249.384 χ^2/NDF: 193.8/94

- sign -2627.377+/-352.435 χ^2/NDF: 47.0/48

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1994.025+/-0.439 χ^2/NDF: 673174.4/20

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

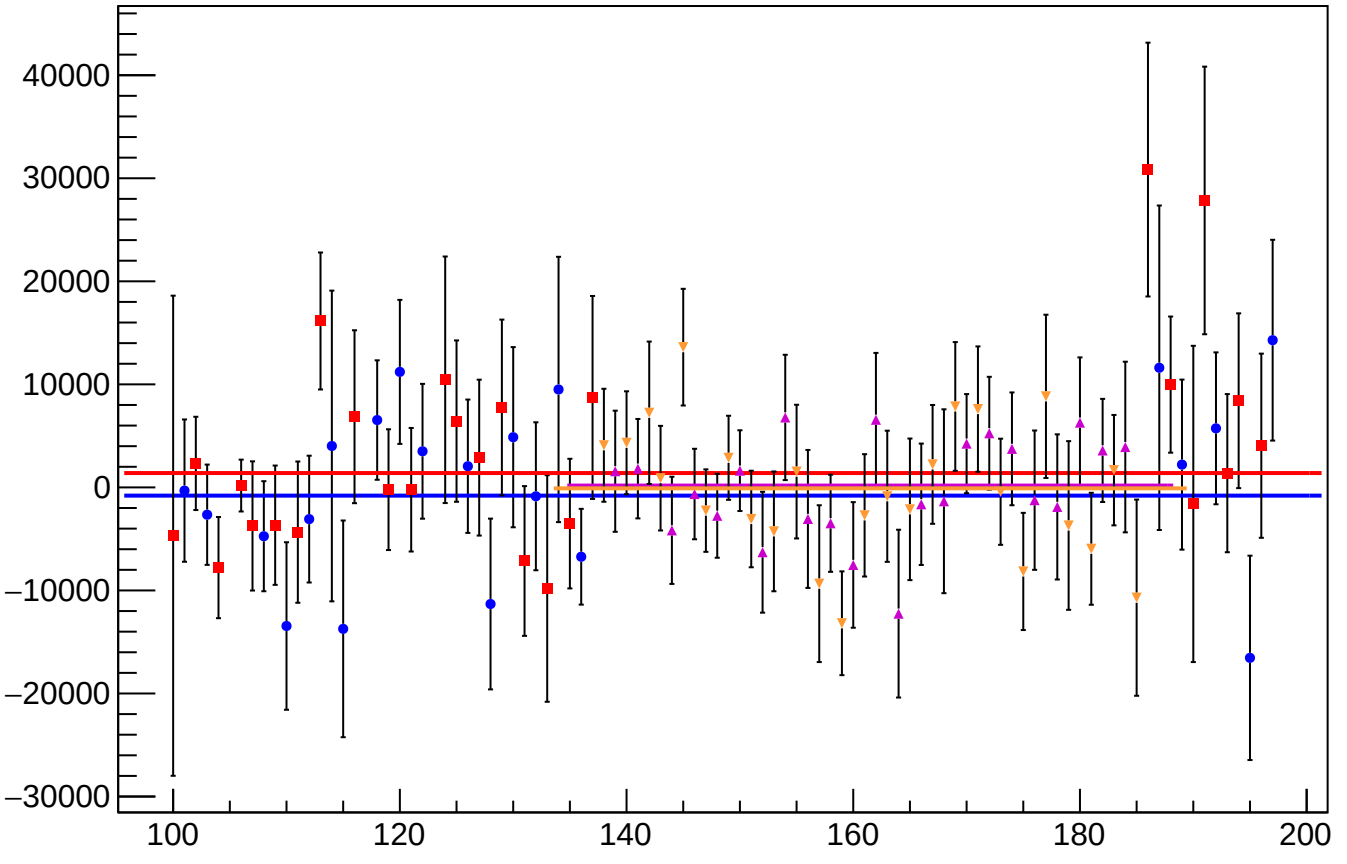
Right Out: 1983.284+/-0.417 χ^2/NDF: 415678.7/25

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1921.952+/-0.250 χ^2/NDF: 744946.5/45

All: 1919.565+/-0.176 χ^2/NDF: 1218825.1/94

- sign 1917.185+/-0.249 χ^2/NDF: 473695.9/48



Right In: -798.234+/-1565.619 χ^2/NDF: 20.8/20

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1393.000+/-1269.112 χ^2/NDF: 29.0/25

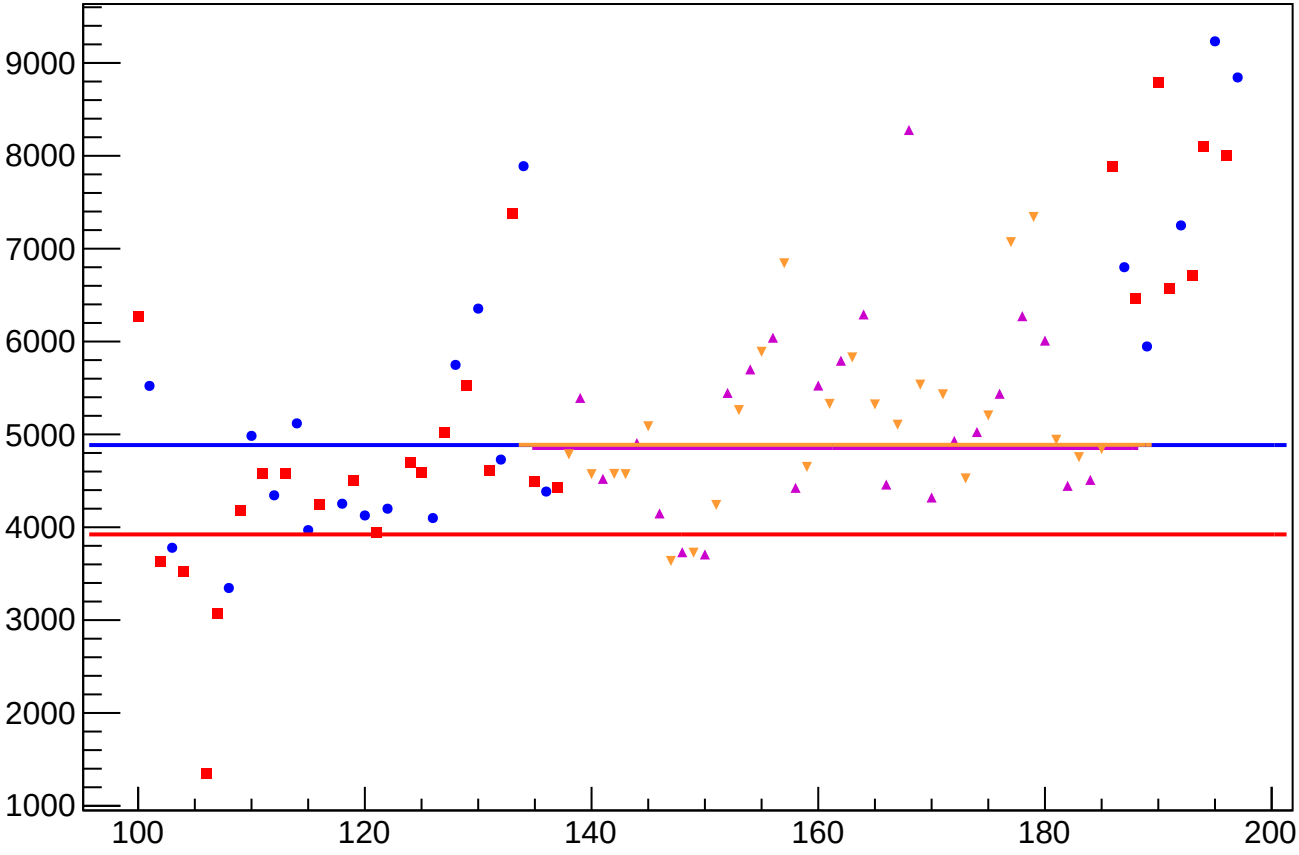
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -334.732+/-917.991 χ^2/NDF: 49.0/45

All: 234.844+/-625.519 χ^2/NDF: 92.8/94

- sign 728.515+/-854.637 χ^2/NDF: 43.1/48

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4885.061+/-1.107 χ^2/NDF: 1611307.2/20

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 3922.921+/-0.897 χ^2/NDF: 4567455.3/25

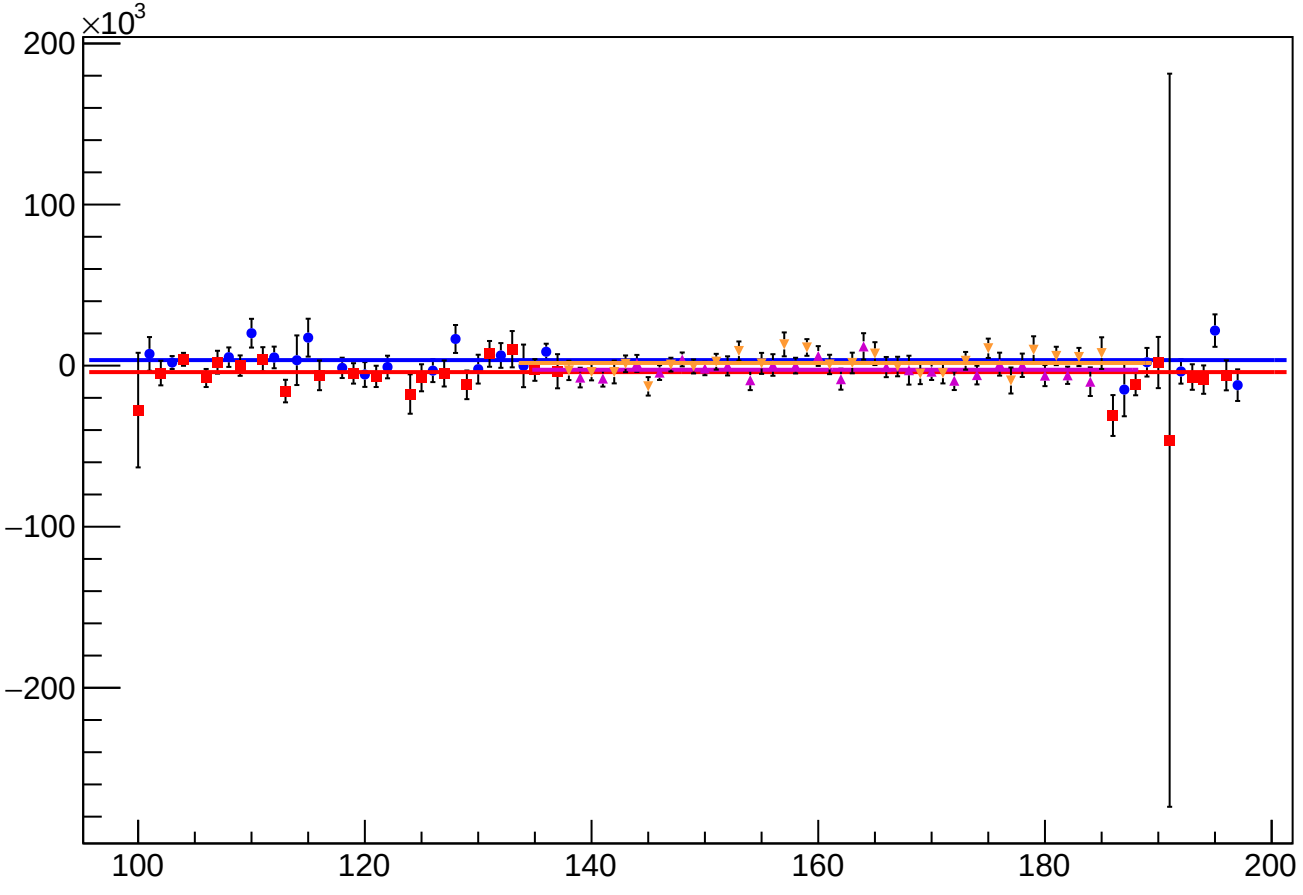
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4886.878+/-0.649 χ^2/NDF: 2674611.3/45

All: 4642.894+/-0.442 χ^2/NDF: 9271948.0/94

- sign 4431.425+/-0.604 χ^2/NDF: 6333607.2/48

asym_atr_avg_mean vs Slug



Right In: 3437.690+/-1646.457 χ^2/NDF: 20.4/20

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -4012.586+/-1526.300 χ^2/NDF: 22.3/25

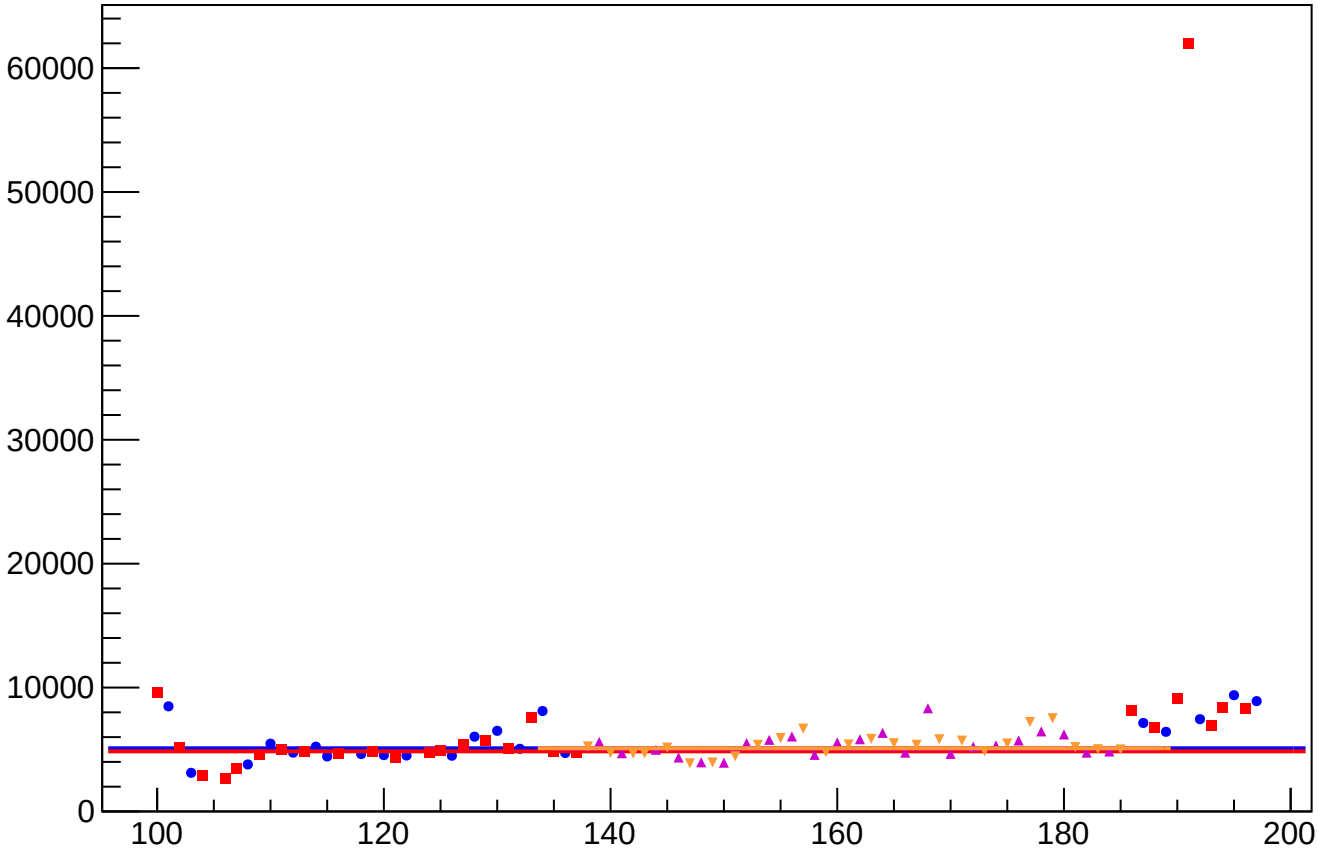
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2258.776+/-958.389 χ^2/NDF: 47.1/45

All: -466.822+/-673.084 χ^2/NDF: 101.9/94

- sign -3119.656+/-945.510 χ^2/NDF: 38.8/48

asym_atr_avg_rms vs Slug



Right In: 5097.158+/-1.164 χ^2/NDF: 1969216.5/20

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

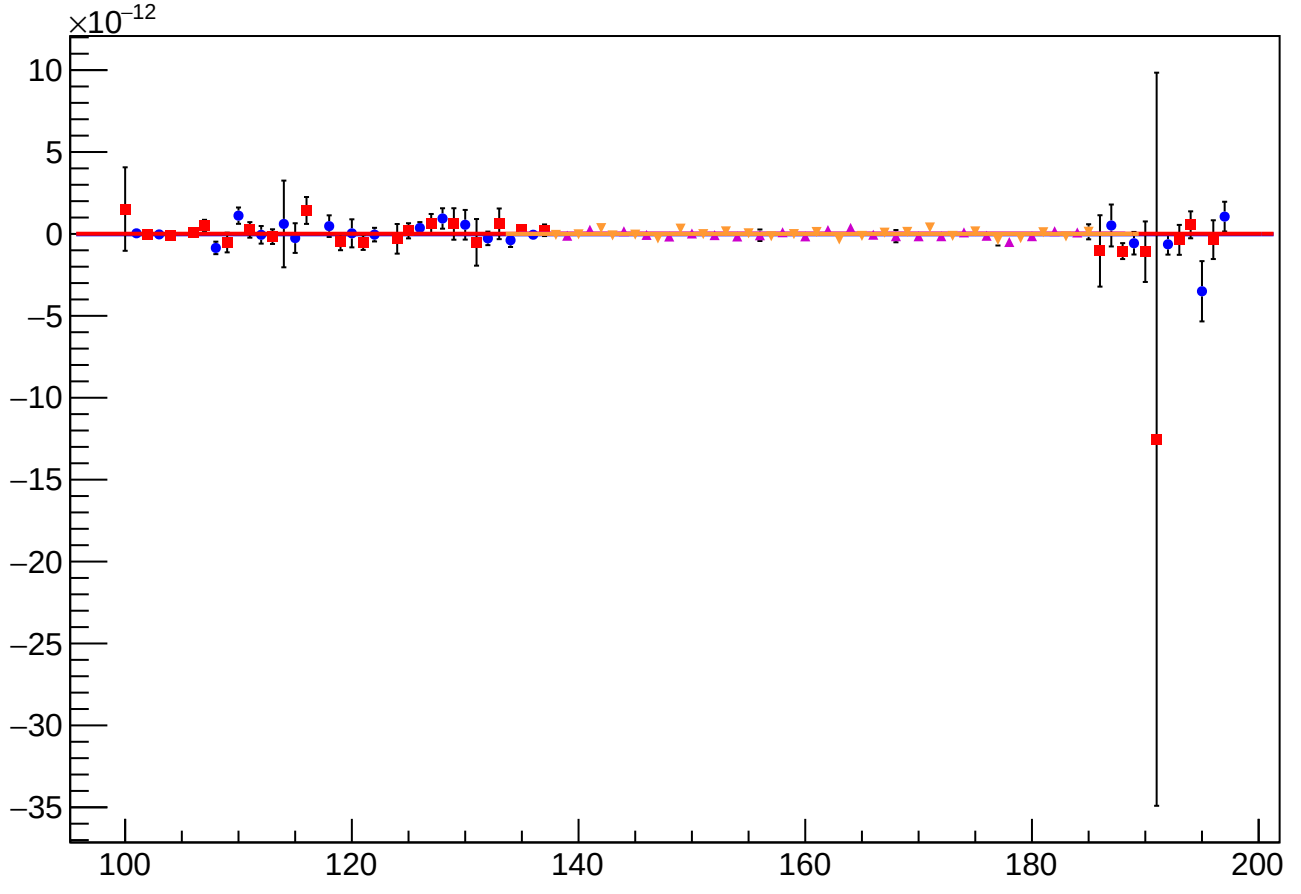
Right Out: 4854.133+/-1.071 χ^2/NDF: 2436151.3/25

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5099.461+/-0.678 χ^2/NDF: 2878552.9/45

All: 5043.120+/-0.475 χ^2/NDF: 6345918.6/94

- sign 4988.589+/-0.667 χ^2/NDF: 3453764.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

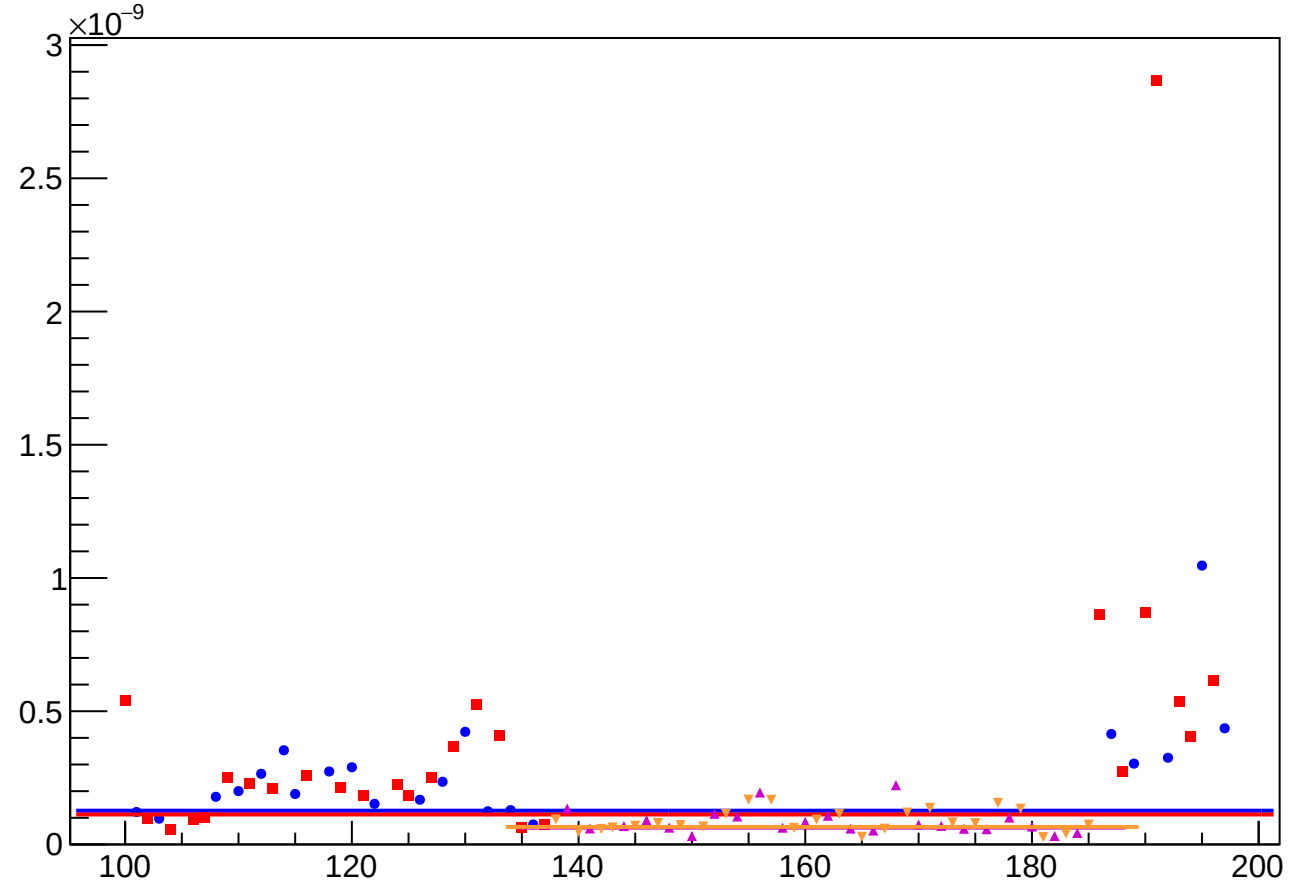
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/25

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.0/45

All: 0.000+/-0.000 χ^2/NDF: 110.2/94

- sign 0.000+/-0.000 χ^2/NDF: 53.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 2296503.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3770814.8/25

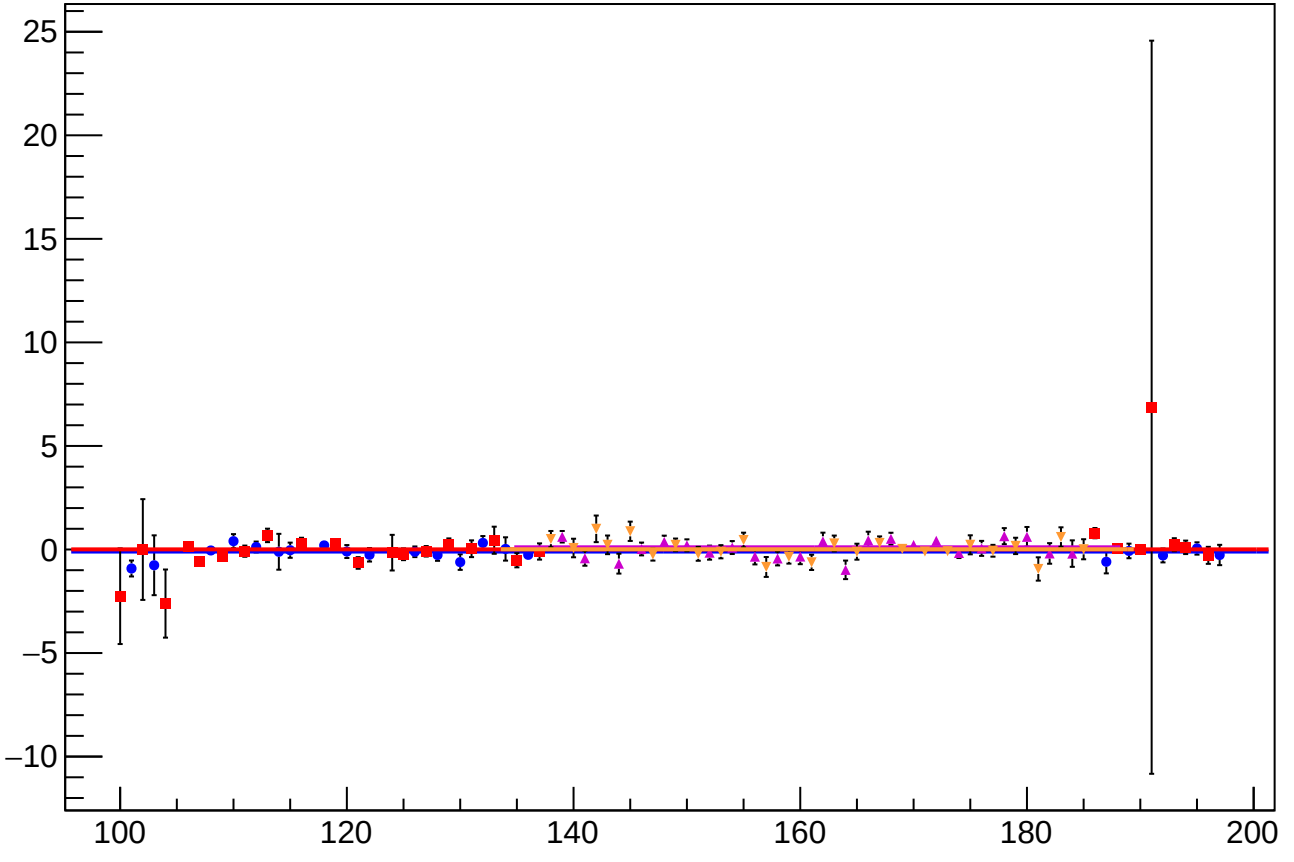
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5960700.8/45

All: 0.000+/-0.000 χ^2/NDF: 12780385.8/94

- sign 0.000+/-0.000 χ^2/NDF: 6800561.1/48

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.100+/-0.070 χ^2/NDF: 15.4/20

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.006+/-0.056 χ^2/NDF: 41.2/25

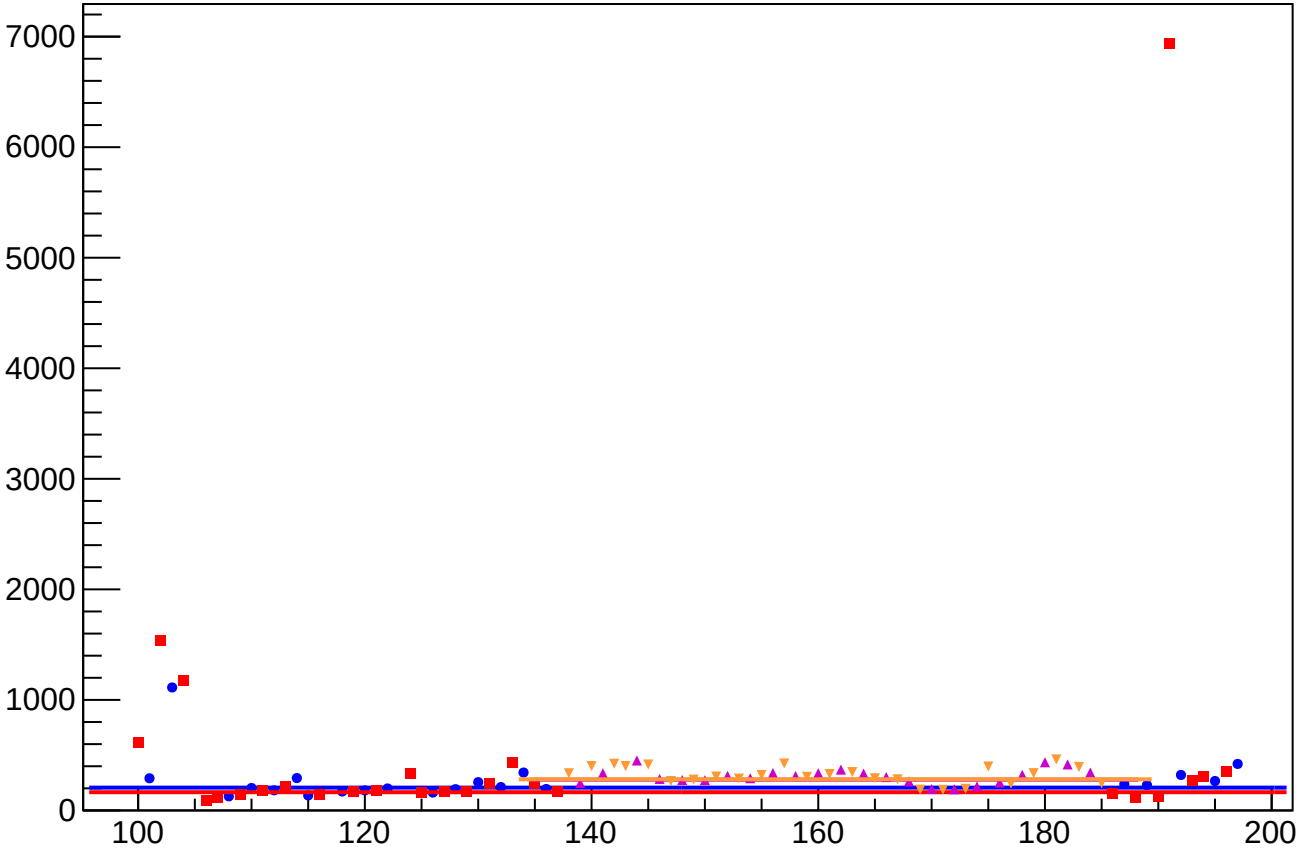
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.043+/-0.049 χ^2/NDF: 41.9/45

All: 0.007+/-0.032 χ^2/NDF: 117.6/94

\- sign 0.045+/-0.043 χ^2/NDF: 73.9/48

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 206.551+/-0.049 χ^2/NDF: 2273813.2/20

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 165.070+/-0.040 χ^2/NDF: 4268015.4/25

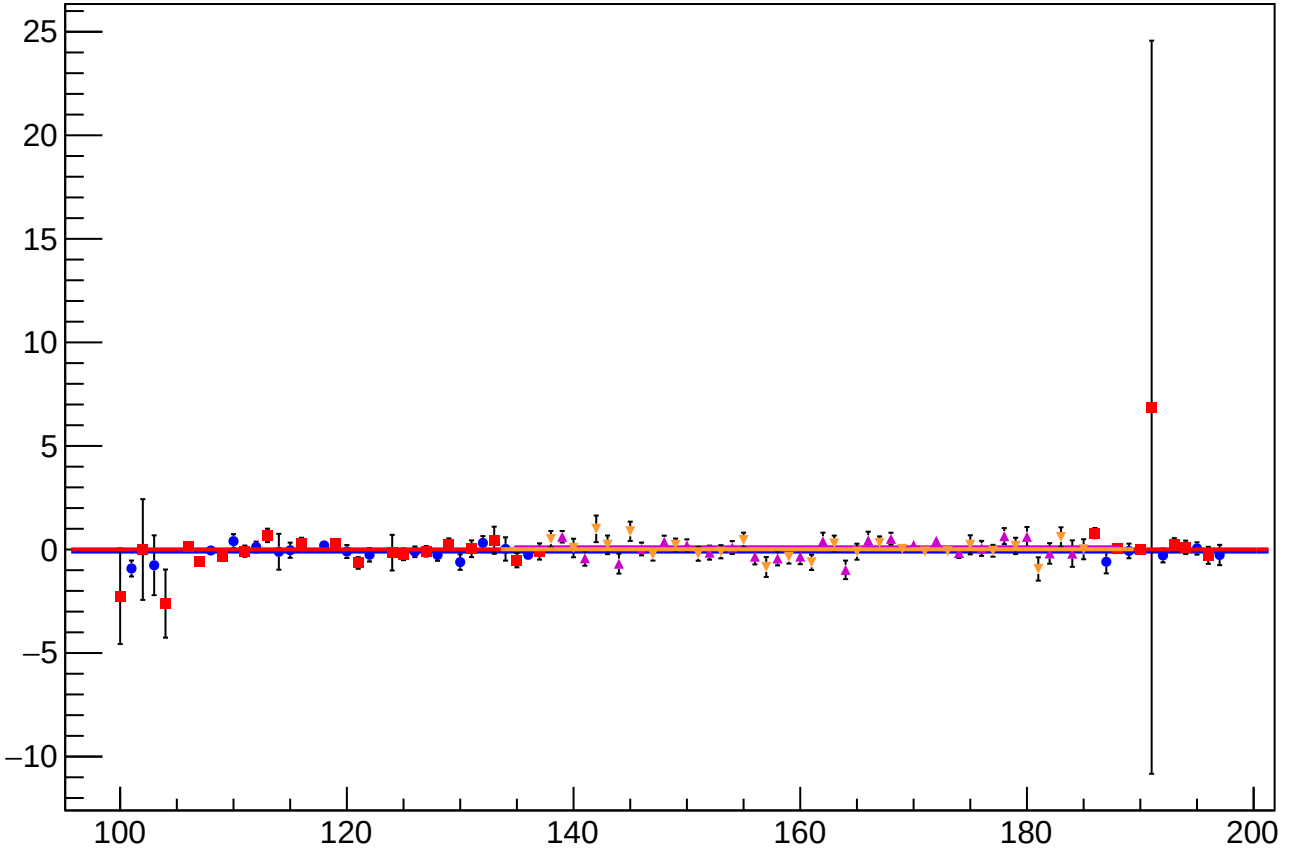
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 245.143+/-0.034 χ^2/NDF: 5986951.0/45

All: 225.696+/-0.023 χ^2/NDF: 15905722.9/94

- sign 210.311+/-0.031 χ^2/NDF: 9348163.7/48

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.100+/-0.070 χ^2/NDF: 15.4/20

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.006+/-0.056 χ^2/NDF: 41.2/25

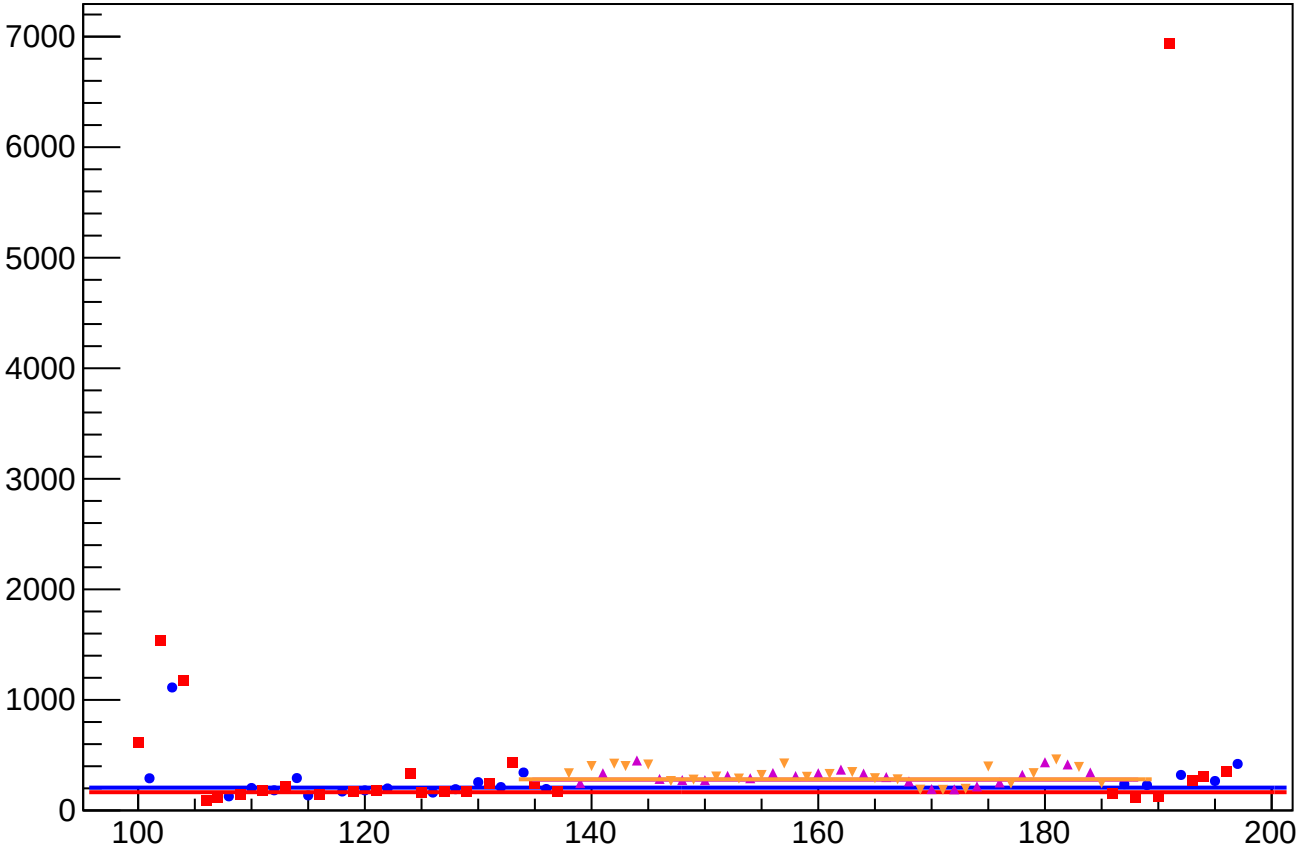
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.043+/-0.049 χ^2/NDF: 41.9/45

All: 0.007+/-0.032 χ^2/NDF: 117.6/94

\- sign 0.045+/-0.043 χ^2/NDF: 73.9/48

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 206.551+/-0.049 χ^2/NDF: 2273813.2/20

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

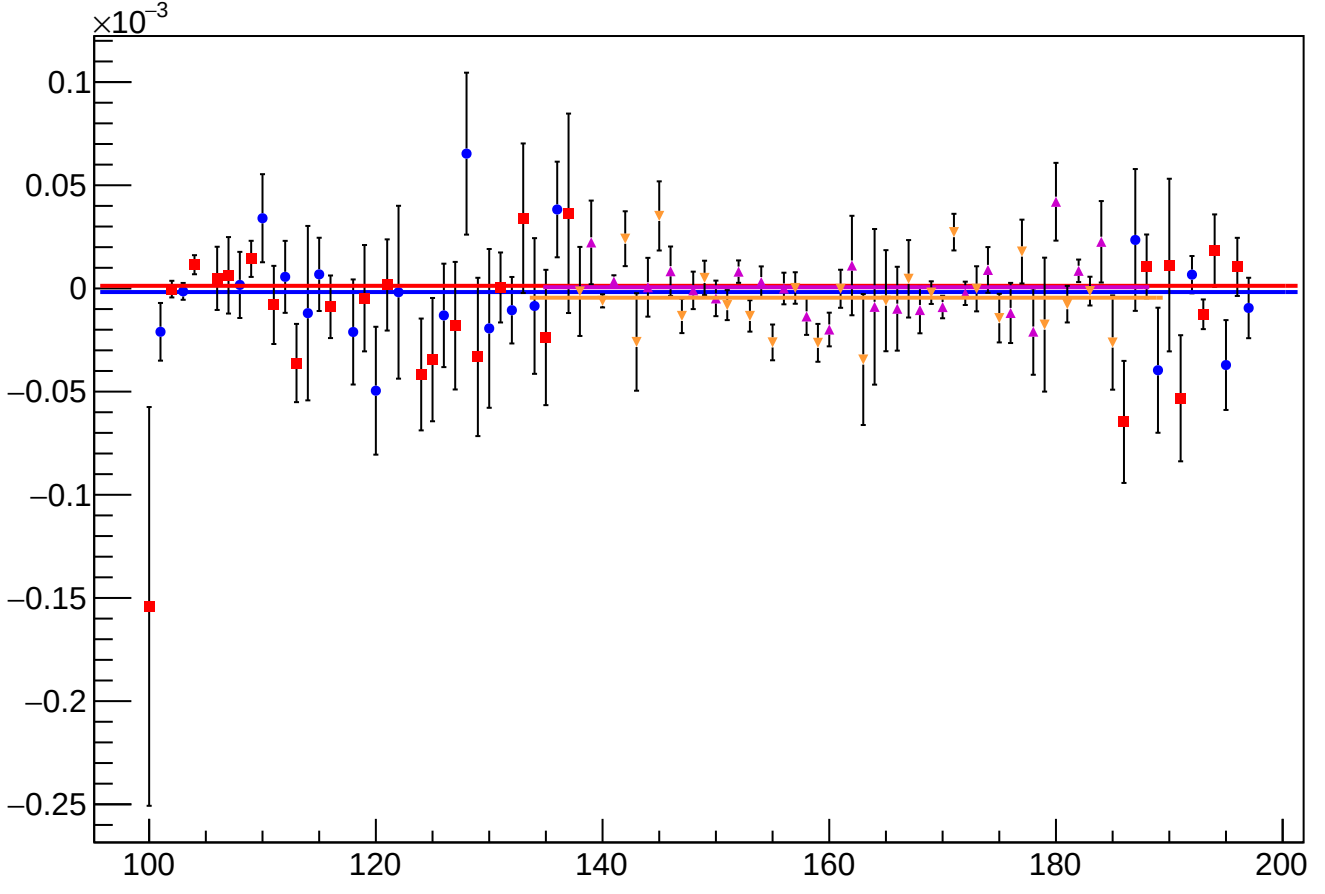
Right Out: 165.070+/-0.040 χ^2/NDF: 4268015.4/25

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 245.143+/-0.034 χ^2/NDF: 5986951.0/45

All: 225.696+/-0.023 χ^2/NDF: 15905722.9/94

- sign 210.311+/-0.031 χ^2/NDF: 9348163.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/25

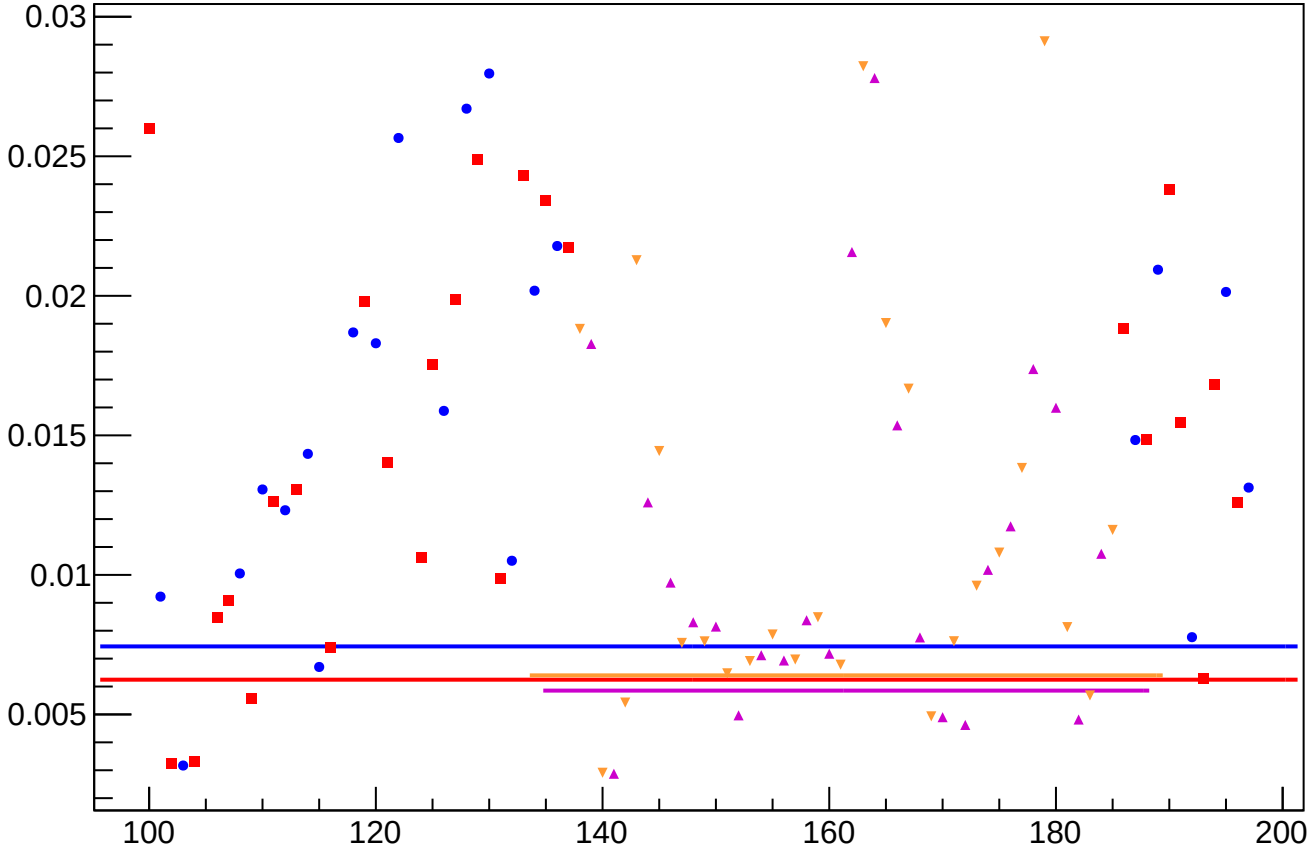
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.7/45

All: -0.000+/-0.000 χ^2/NDF: 137.6/94

- sign 0.000+/-0.000 χ^2/NDF: 64.5/48

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 7537555.9/20

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8587992.5/25

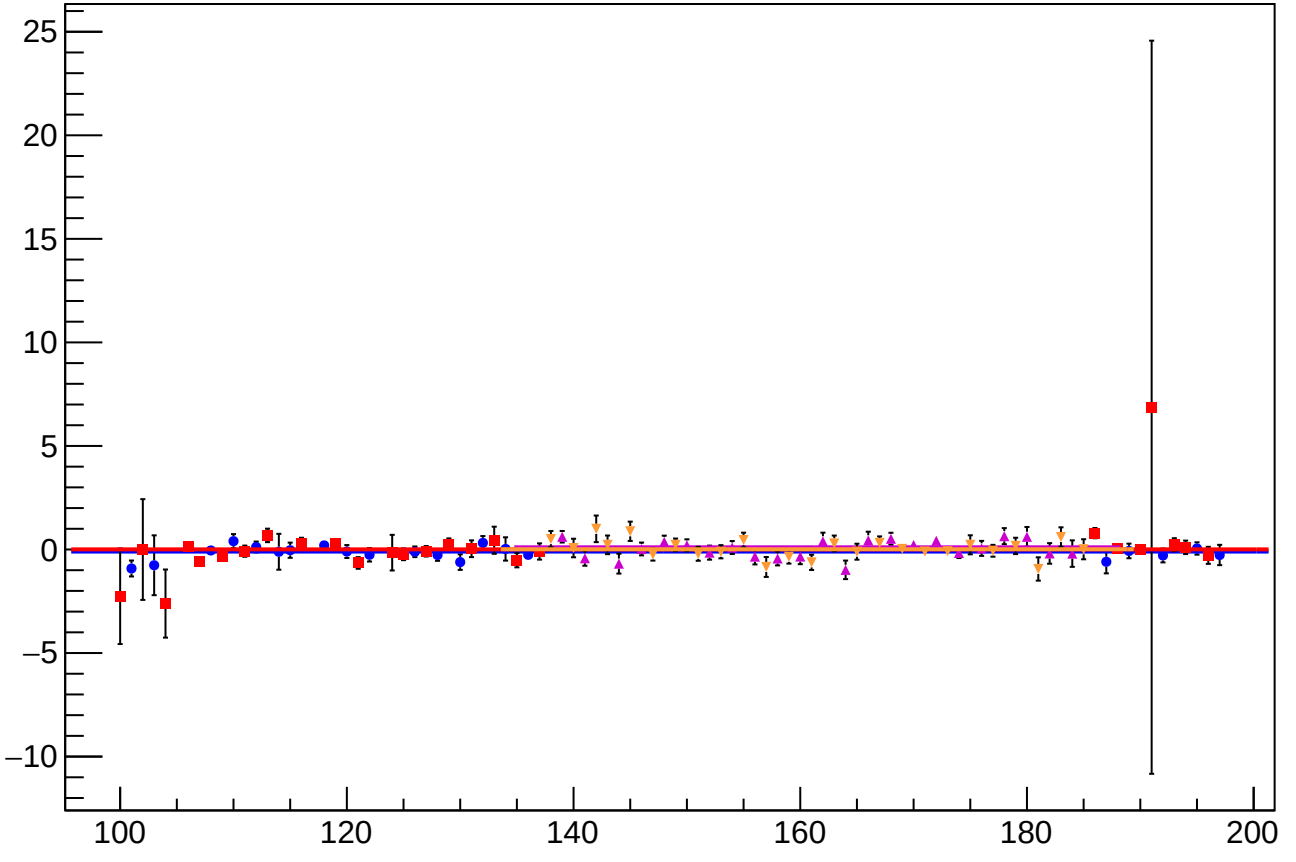
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 16683096.7/45

All: 0.006+/-0.000 χ^2/NDF: 33680295.7/94

- sign 0.006+/-0.000 χ^2/NDF: 16770417.3/48

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.100+/-0.070 χ^2/NDF: 15.4/20

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.006+/-0.056 χ^2/NDF: 41.2/25

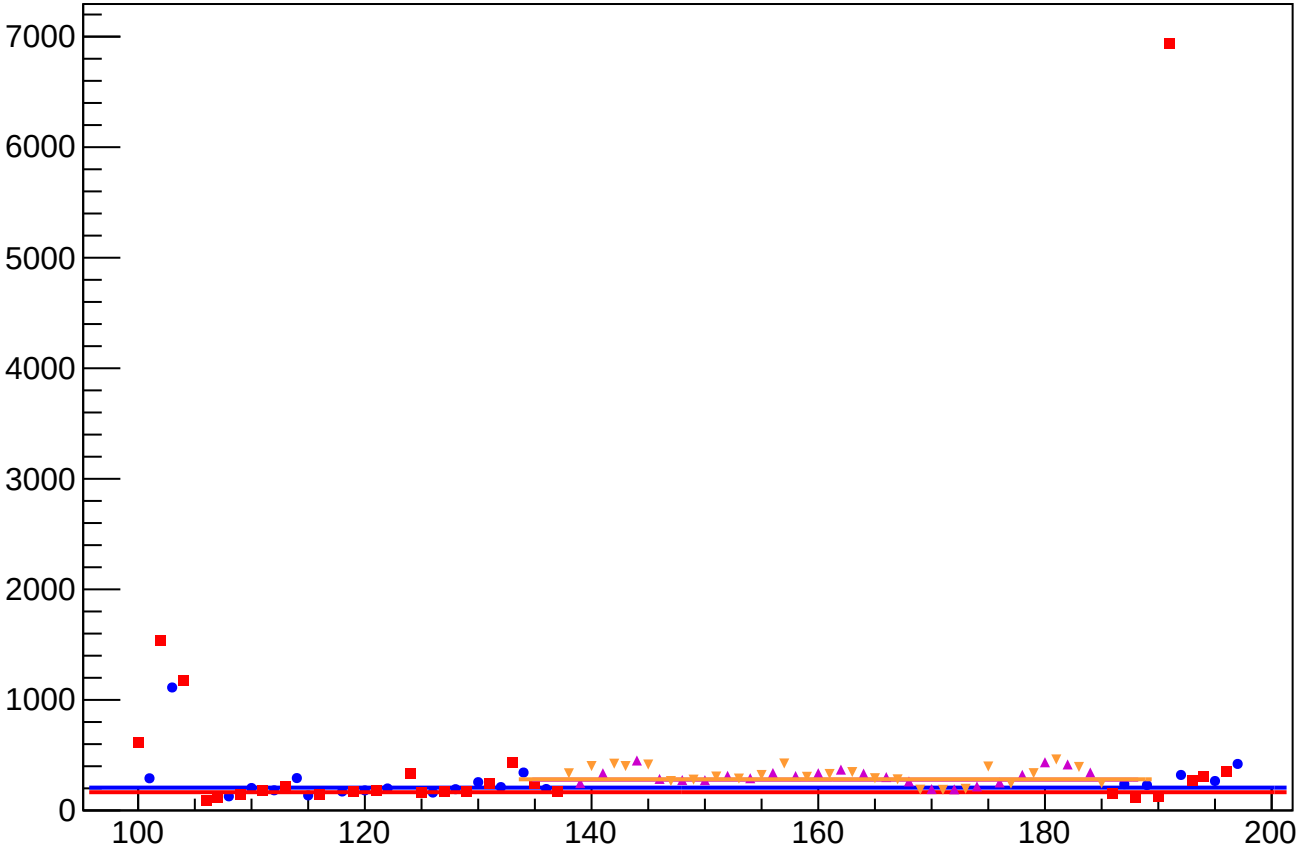
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.043+/-0.049 χ^2/NDF: 41.9/45

All: 0.007+/-0.032 χ^2/NDF: 117.6/94

\- sign 0.045+/-0.043 χ^2/NDF: 73.9/48

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 206.550+/-0.049 χ^2/NDF: 2273801.3/20

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 165.066+/-0.040 χ^2/NDF: 4268097.1/25

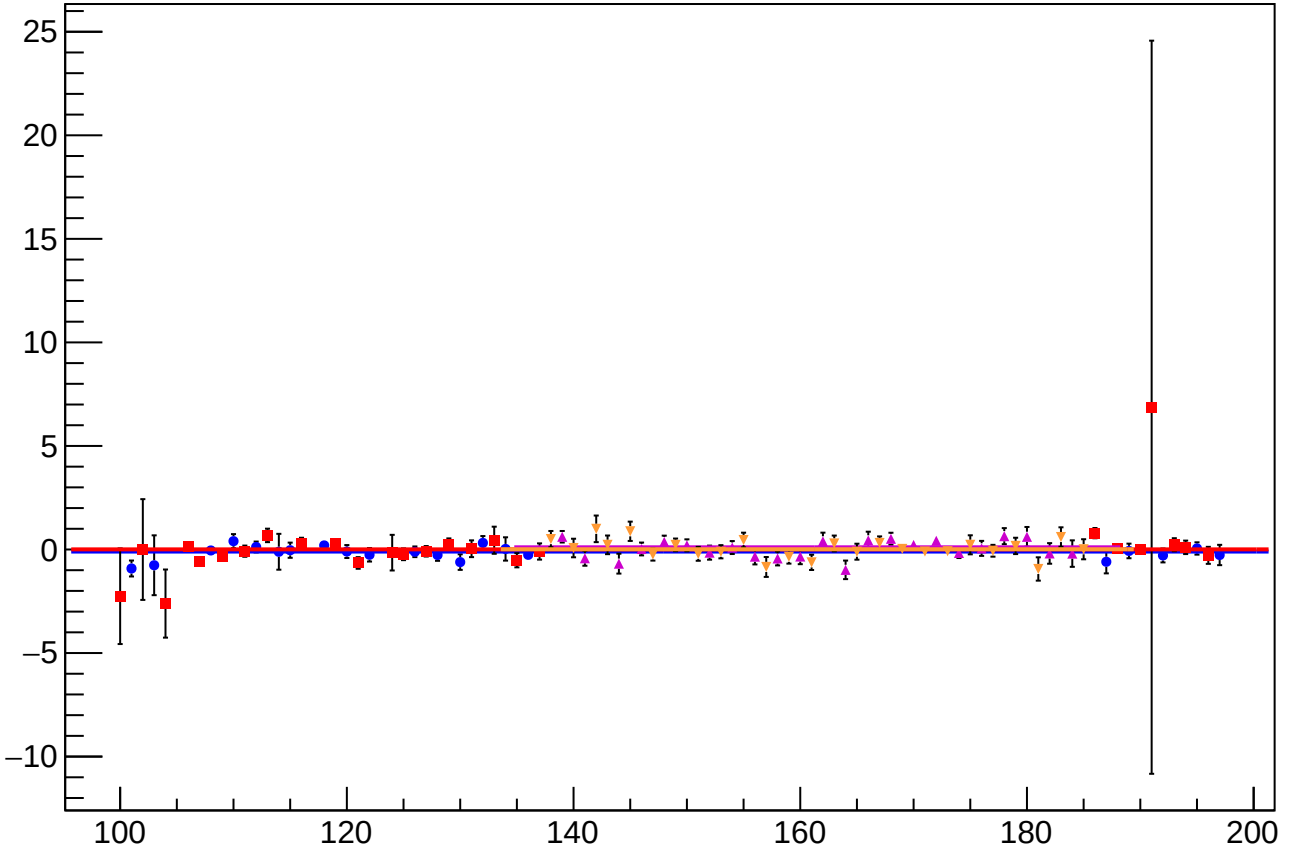
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 245.144+/-0.034 χ^2/NDF: 5987093.6/45

All: 225.695+/-0.023 χ^2/NDF: 15906419.0/94

- sign 210.309+/-0.031 χ^2/NDF: 9348621.0/48

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.100+/-0.070 χ^2/NDF: 15.4/20

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.006+/-0.056 χ^2/NDF: 41.2/25

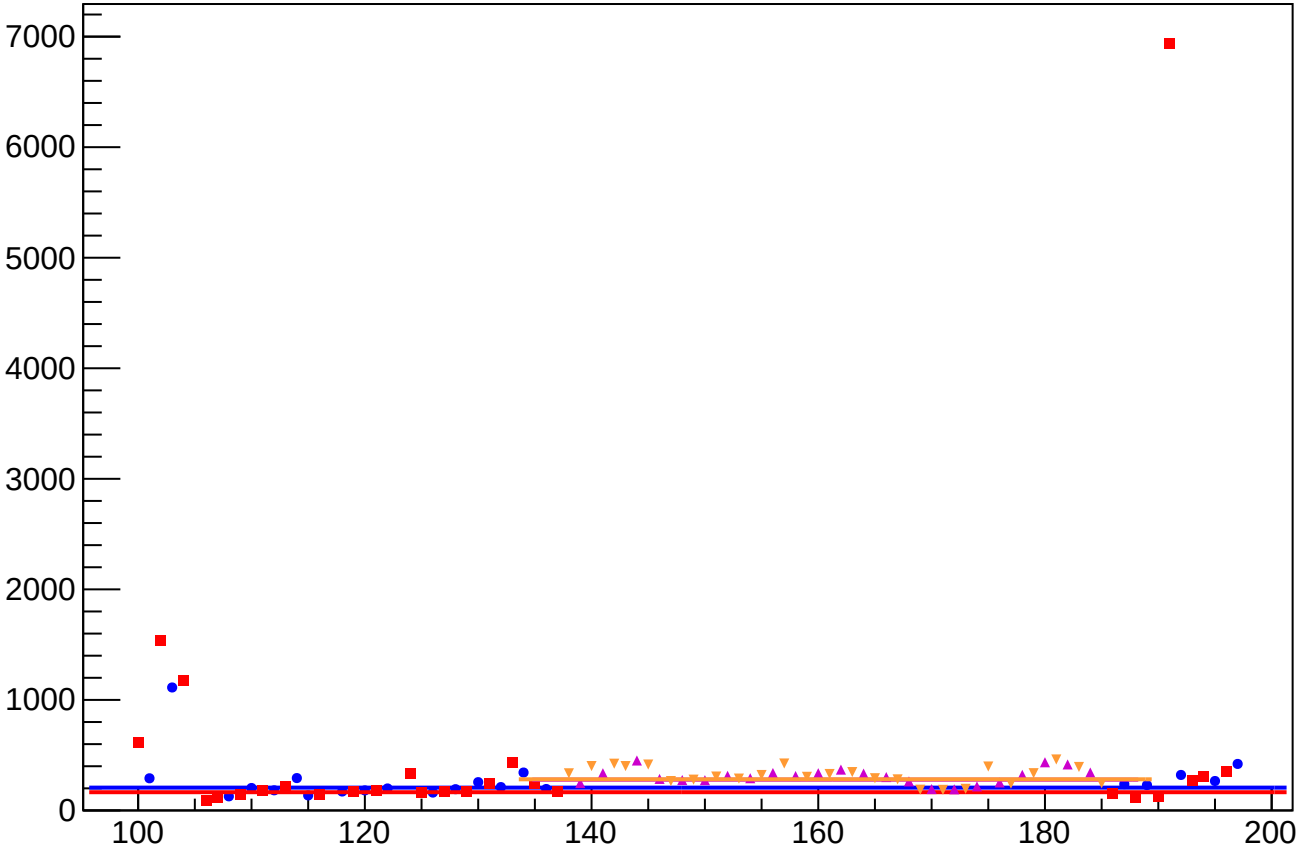
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.043+/-0.049 χ^2/NDF: 41.9/45

All: 0.007+/-0.032 χ^2/NDF: 117.6/94

\- sign 0.045+/-0.043 χ^2/NDF: 73.9/48

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 206.550+/-0.049 χ^2/NDF: 2273801.3/20

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

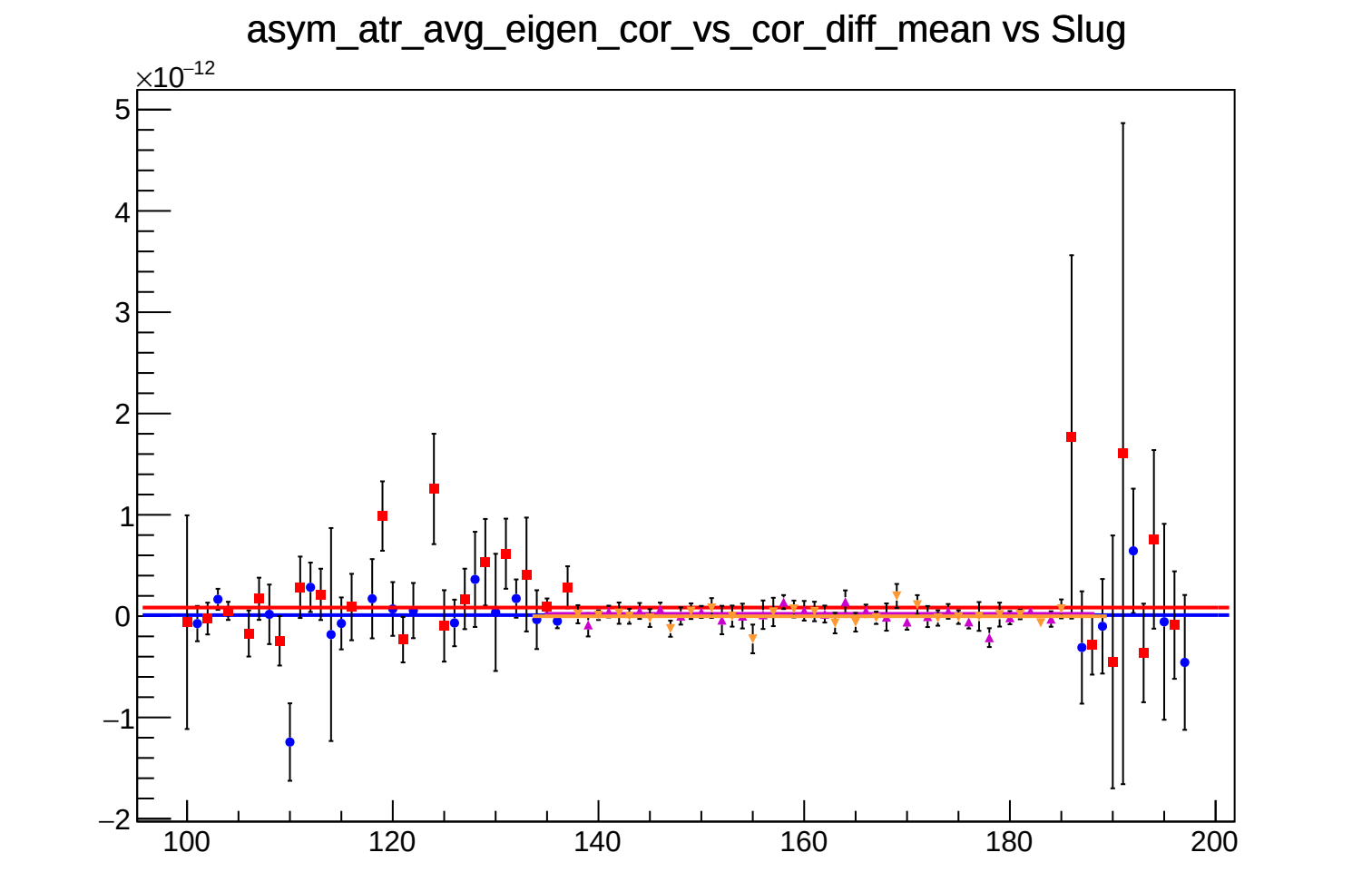
Right Out: 165.066+/-0.040 χ^2/NDF: 4268097.1/25

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 245.144+/-0.034 χ^2/NDF: 5987093.6/45

All: 225.695+/-0.023 χ^2/NDF: 15906419.0/94

- sign 210.309+/-0.031 χ^2/NDF: 9348621.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

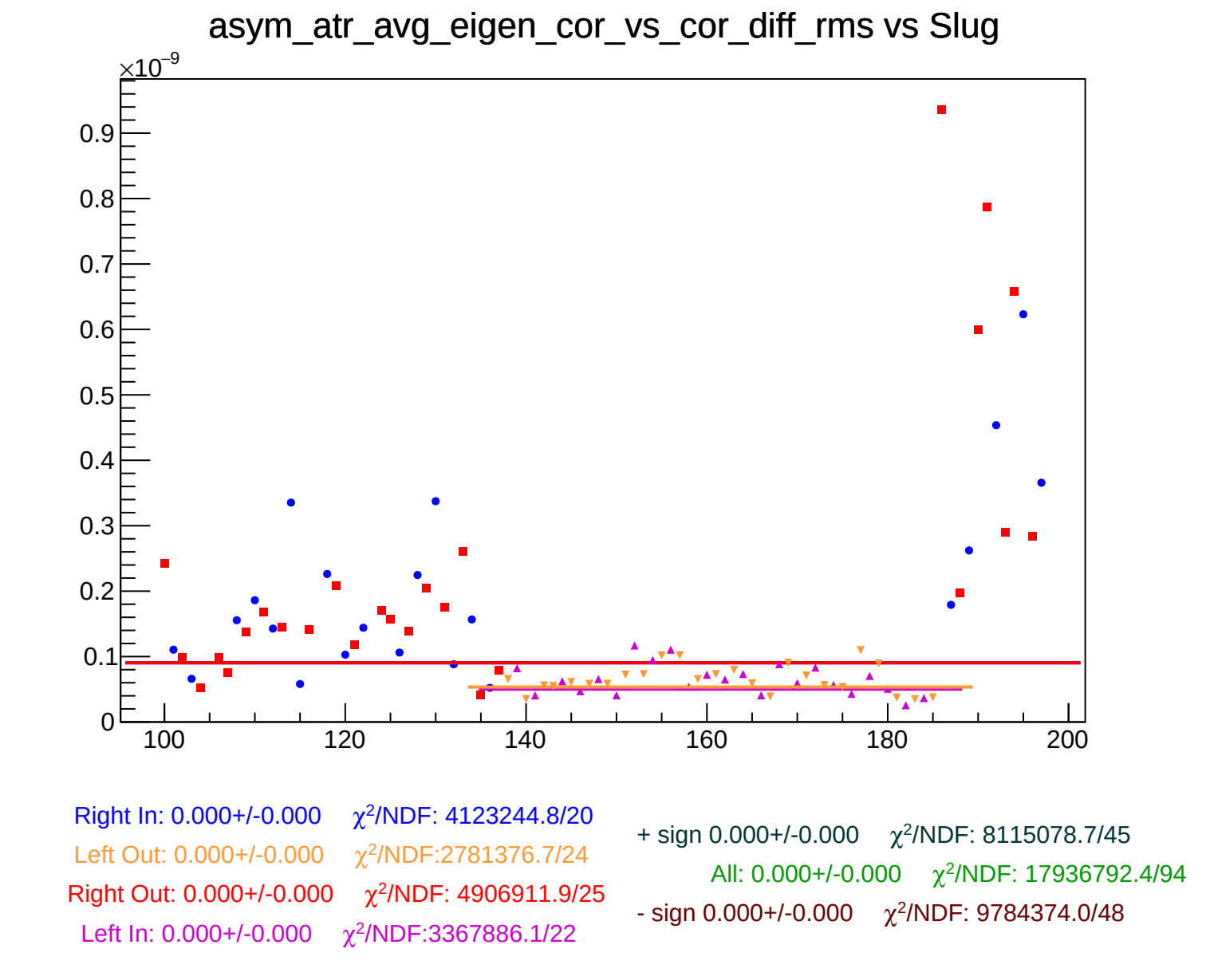
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/25

Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

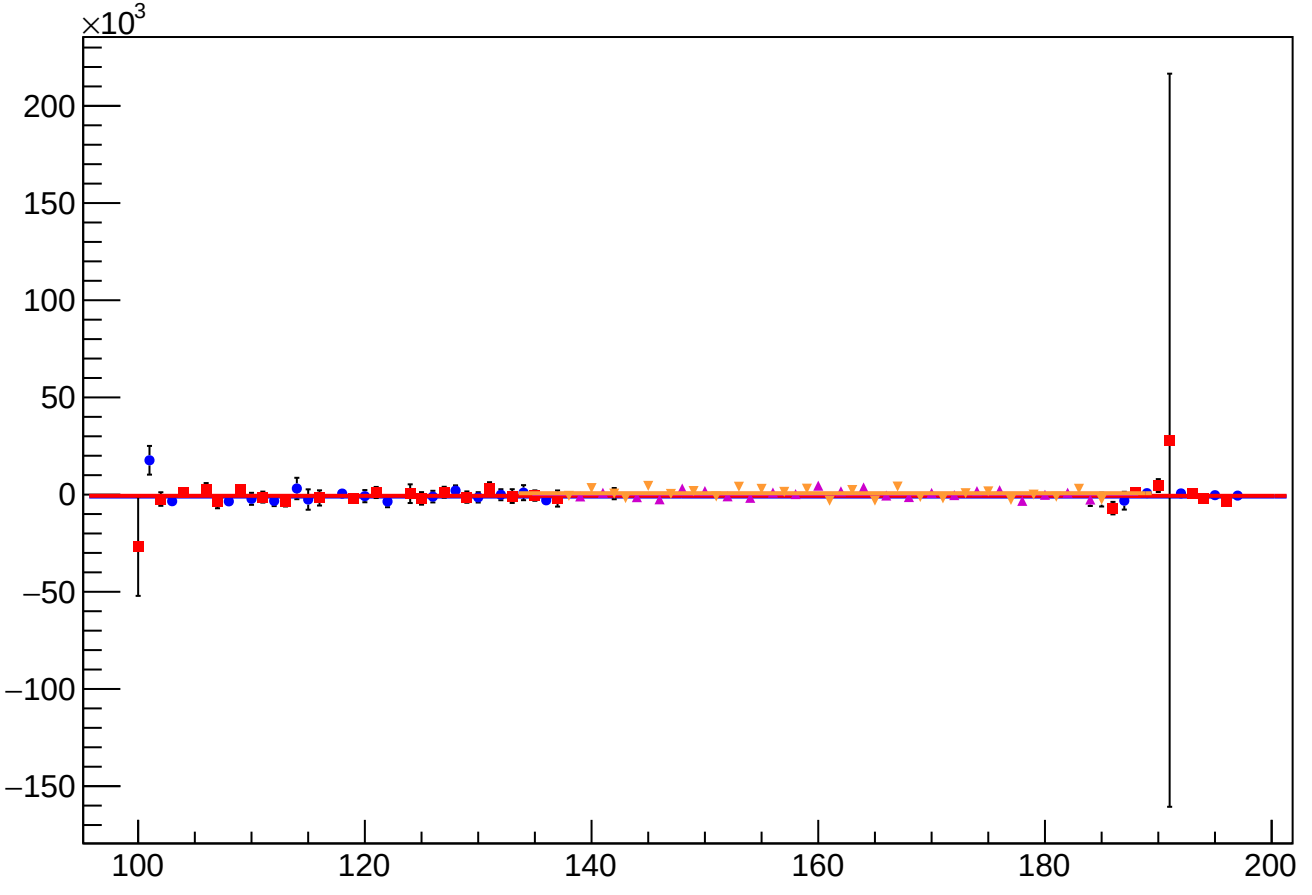
+ sign 0.000+/-0.000 χ^2/NDF: 34.4/45

All: 0.000+/-0.000 χ^2/NDF: 82.7/94

- sign 0.000+/-0.000 χ^2/NDF: 46.3/48


asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4123244.8/20
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4906911.9/25
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
+ sign 0.000+/-0.000 χ²/NDF: 8115078.7/45
All: 0.000+/-0.000 χ²/NDF: 17936792.4/94
- sign 0.000+/-0.000 χ²/NDF: 9784374.0/48

reg_asym_atr_dd_mean vs Slug



Right In: -1011.902+/-598.217 χ^2/NDF: 15.4/20

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -618.757+/-568.647 χ^2/NDF: 19.6/25

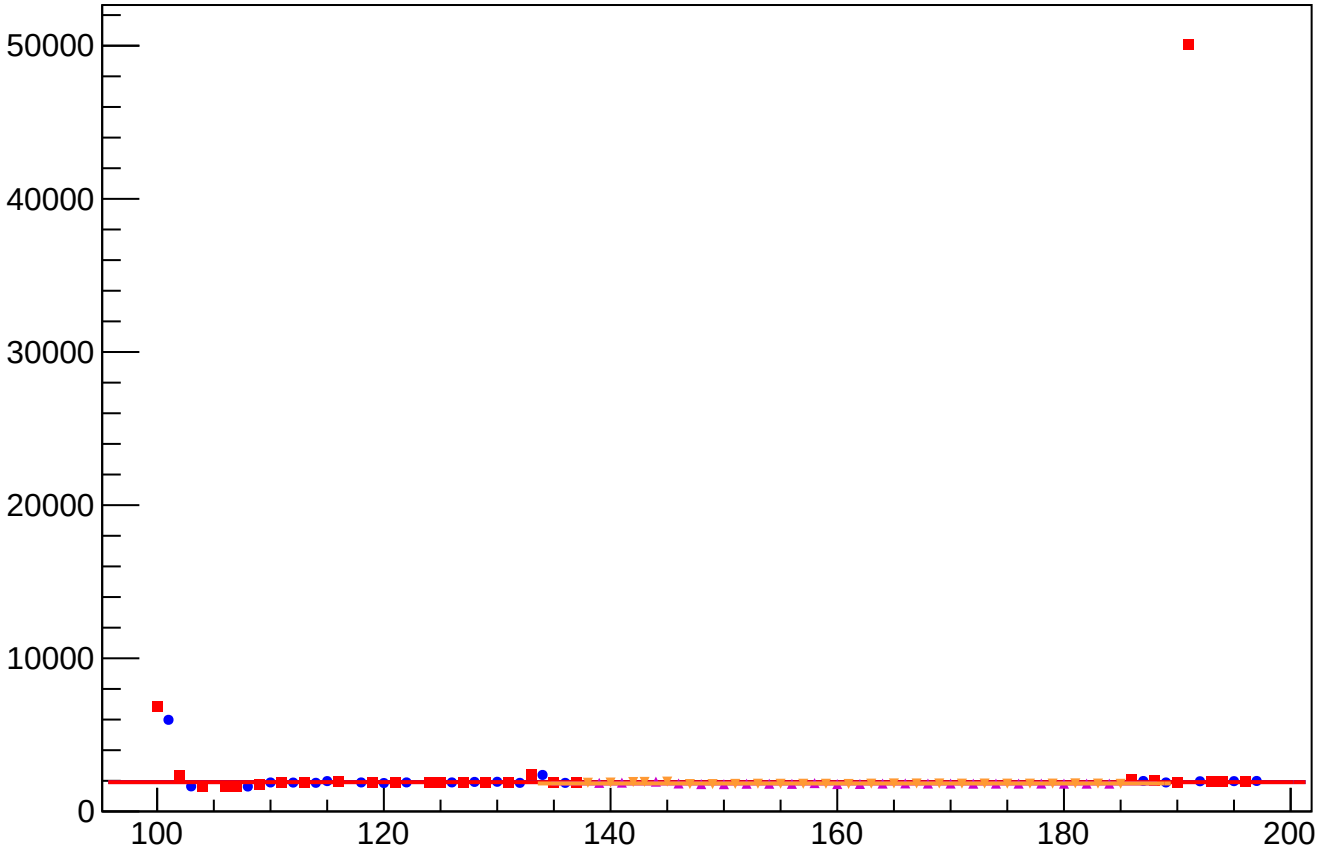
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 146.986+/-341.195 χ^2/NDF: 52.9/45

All: 91.248+/-241.210 χ^2/NDF: 95.3/94

- sign 35.559+/-341.050 χ^2/NDF: 42.4/48

reg_asym_atr_dd_rms vs Slug



Right In: 1920.134+/-0.423 χ^2/NDF: 704987.3/20

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

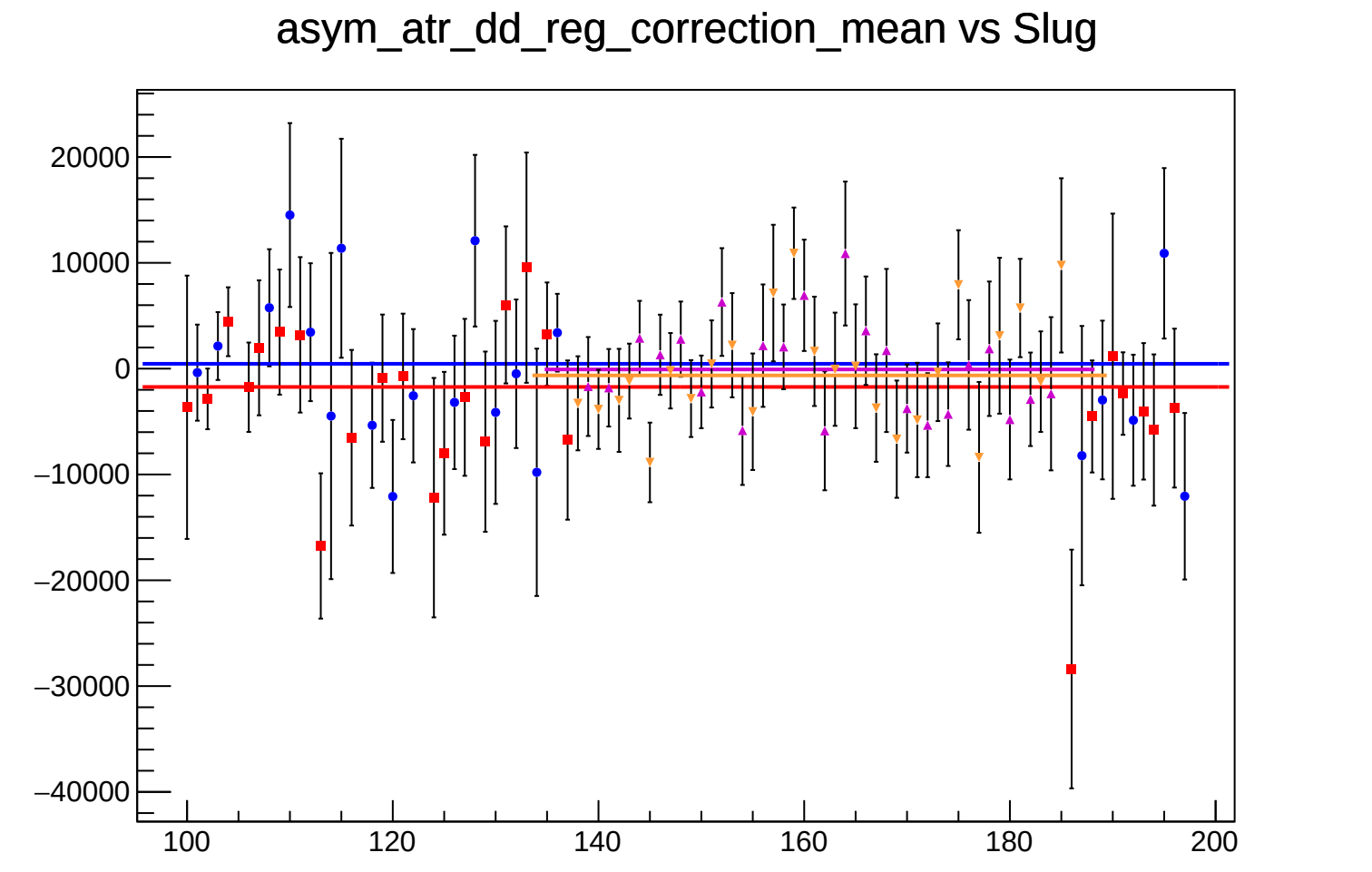
Right Out: 1913.070+/-0.401 χ^2/NDF: 371137.7/25

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

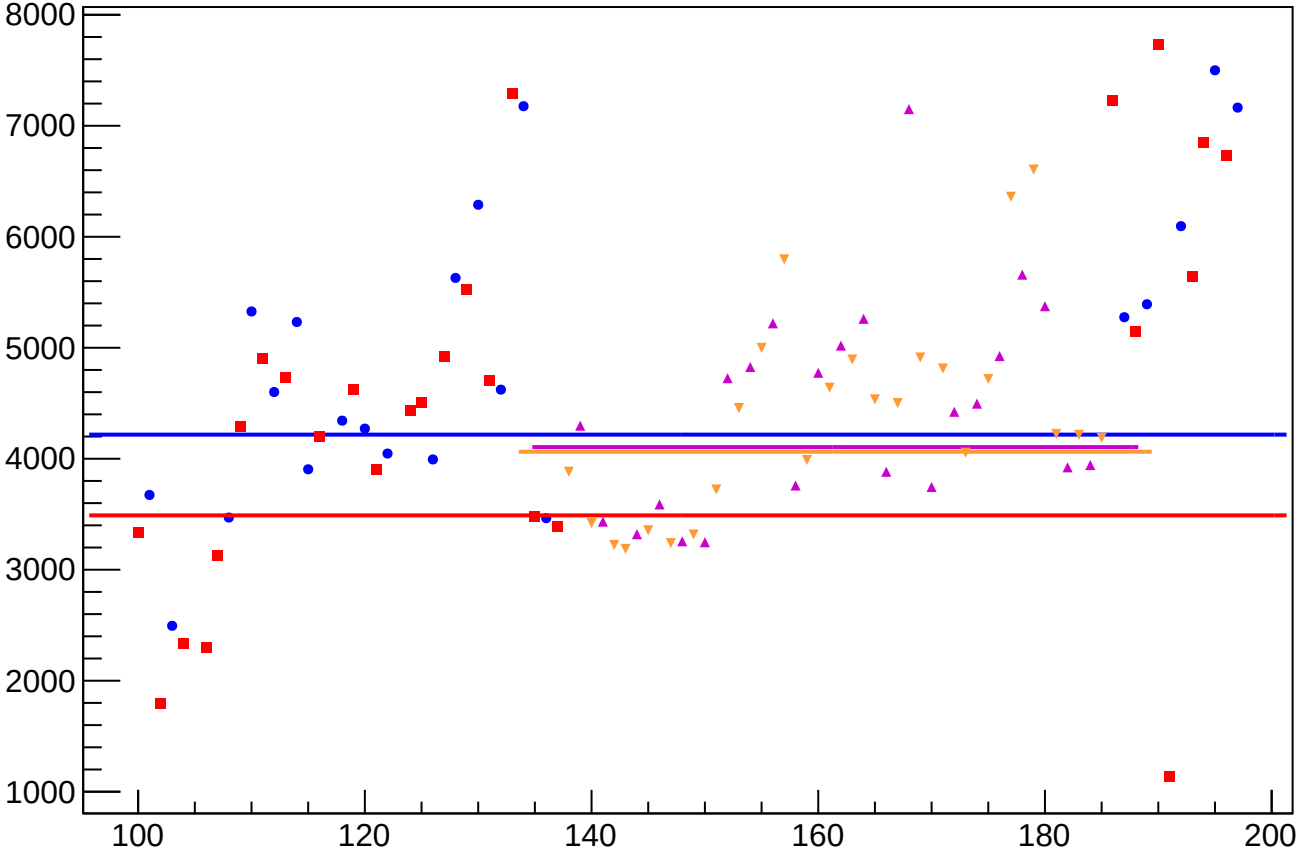
+ sign 1858.135+/-0.241 χ^2/NDF: 756156.0/45

All: 1857.504+/-0.170 χ^2/NDF: 1171356.9/94

- sign 1856.875+/-0.241 χ^2/NDF: 415187.2/48


asym_atr_dd_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 458.362+/-1361.980 χ²/NDF: 19.2/20
Left Out: -637.703+/-946.866 χ²/NDF:26.0/24
Right Out: -1729.452+/-1146.029 χ²/NDF: 22.5/25
Left In: -75.764+/-980.243 χ²/NDF:15.4/22
+ sign -280.564+/-777.447 χ²/NDF: 45.6/45
All: -538.054+/-537.870 χ²/NDF: 85.0/94
- sign -774.449+/-744.920 χ²/NDF: 39.2/48

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4217.368+/-0.963 χ^2/NDF: 1951684.3/20

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3489.809+/-0.810 χ^2/NDF: 4303052.5/25

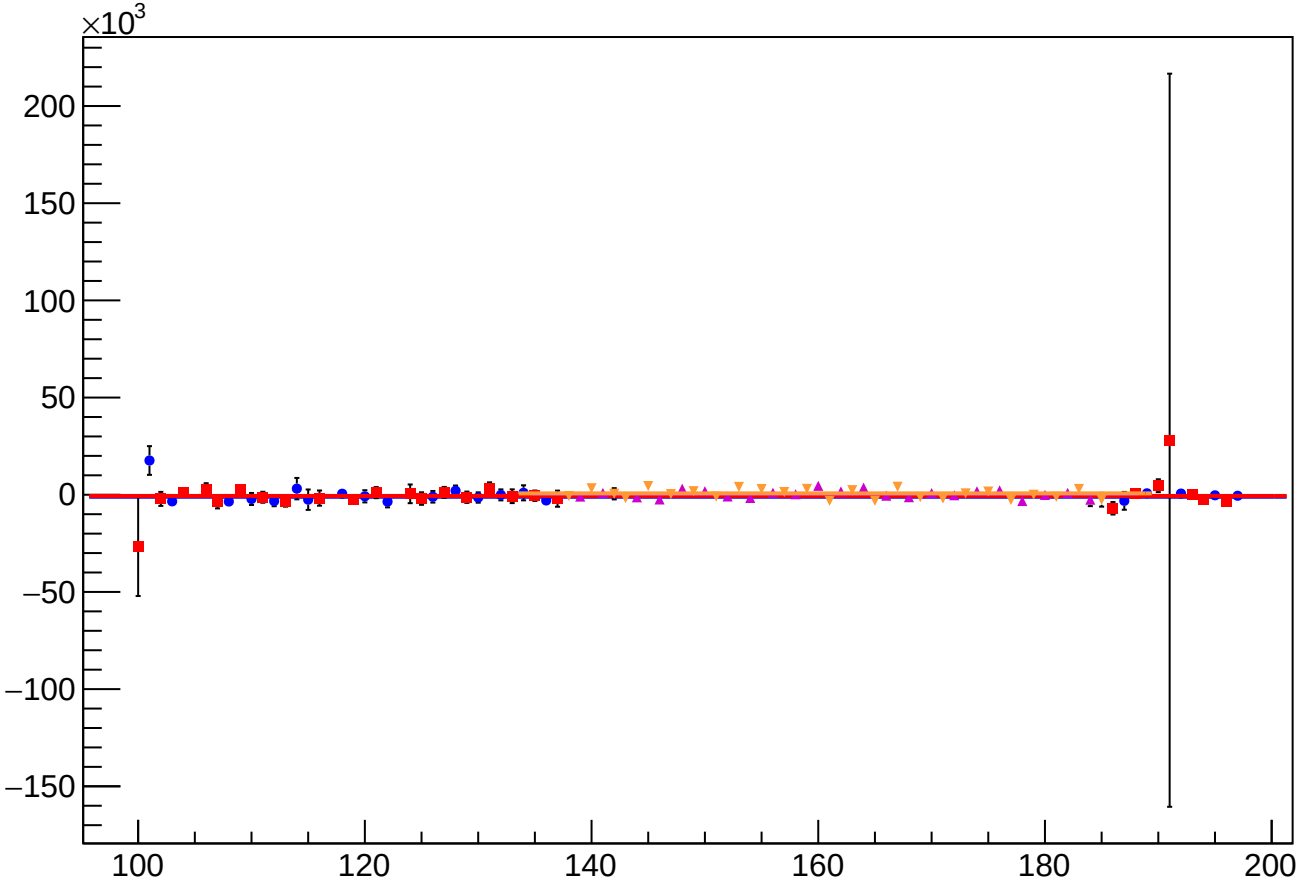
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4113.372+/-0.550 χ^2/NDF: 3374017.1/45

All: 3973.514+/-0.380 χ^2/NDF: 9493590.5/94

- sign 3845.114+/-0.527 χ^2/NDF: 5995428.8/48

cor_asym_atr_dd_mean vs Slug



Right In: -1012.167+/-598.217 χ^2/NDF: 15.3/20

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -612.407+/-569.149 χ^2/NDF: 19.5/25

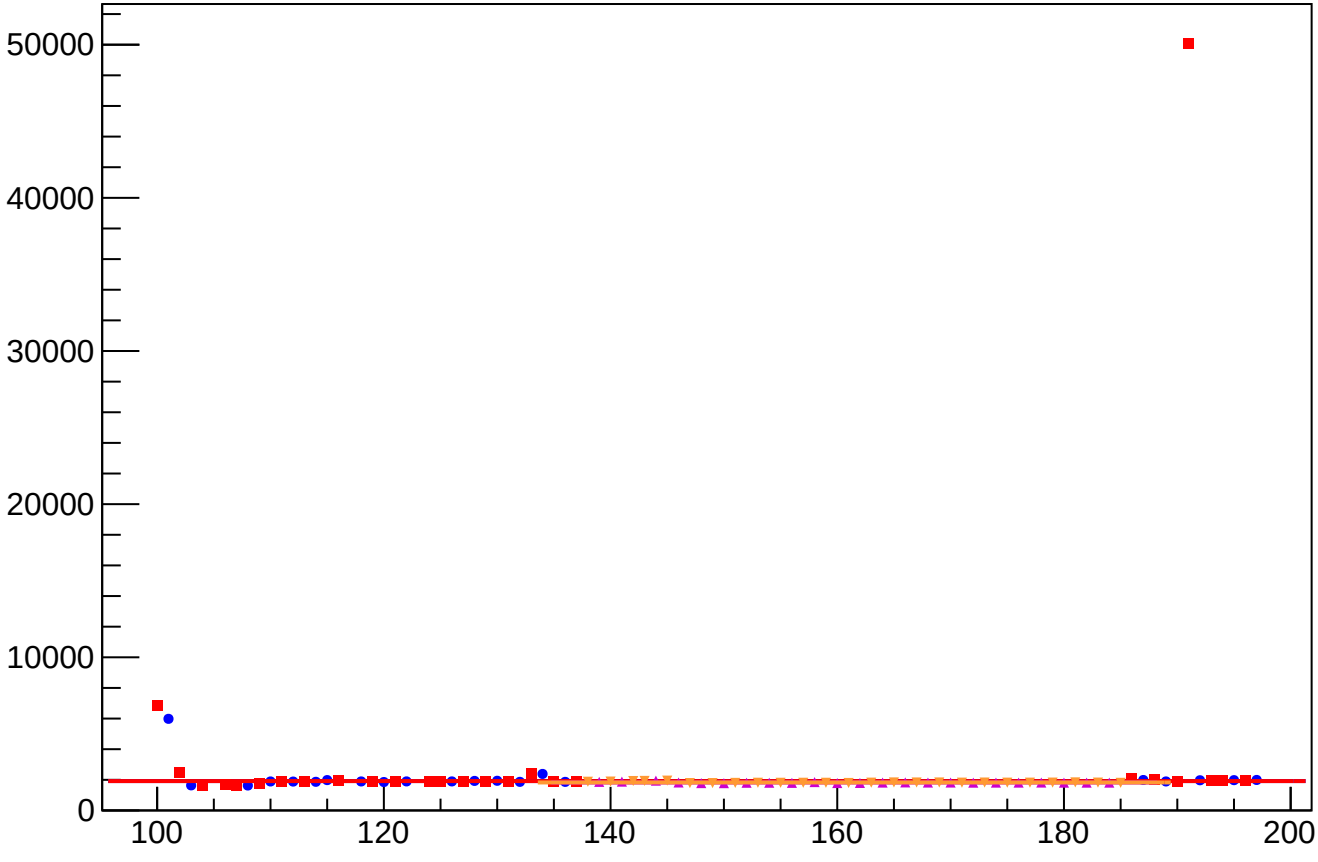
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 146.939+/-341.195 χ^2/NDF: 52.8/45

All: 92.539+/-241.248 χ^2/NDF: 95.2/94

- sign 38.151+/-341.158 χ^2/NDF: 42.3/48

cor_asym_atr_dd_rms vs Slug



Right In: 1920.134+/-0.423 χ^2/NDF: 704987.5/20

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

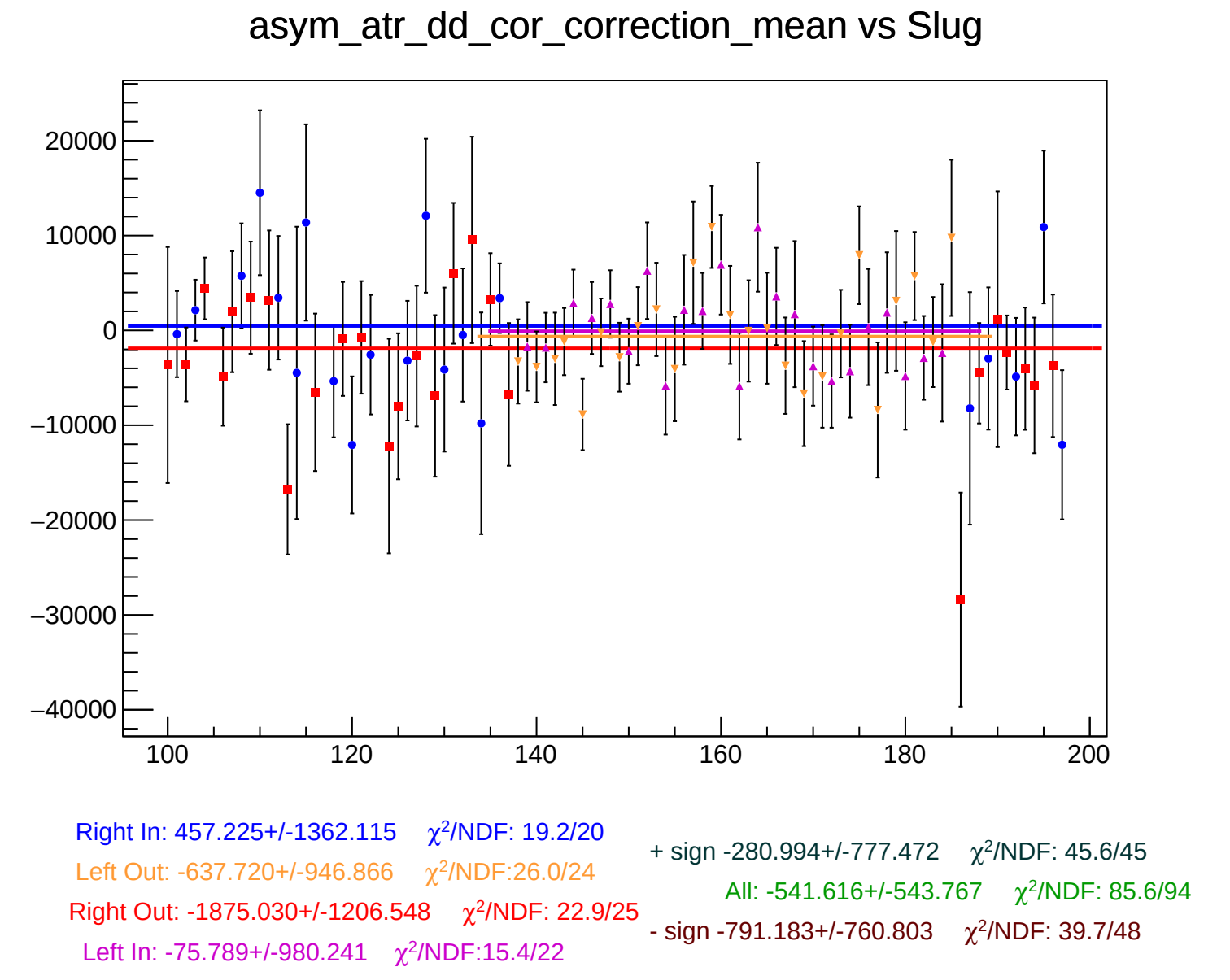
Right Out: 1917.658+/-0.402 χ^2/NDF: 377934.5/25

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

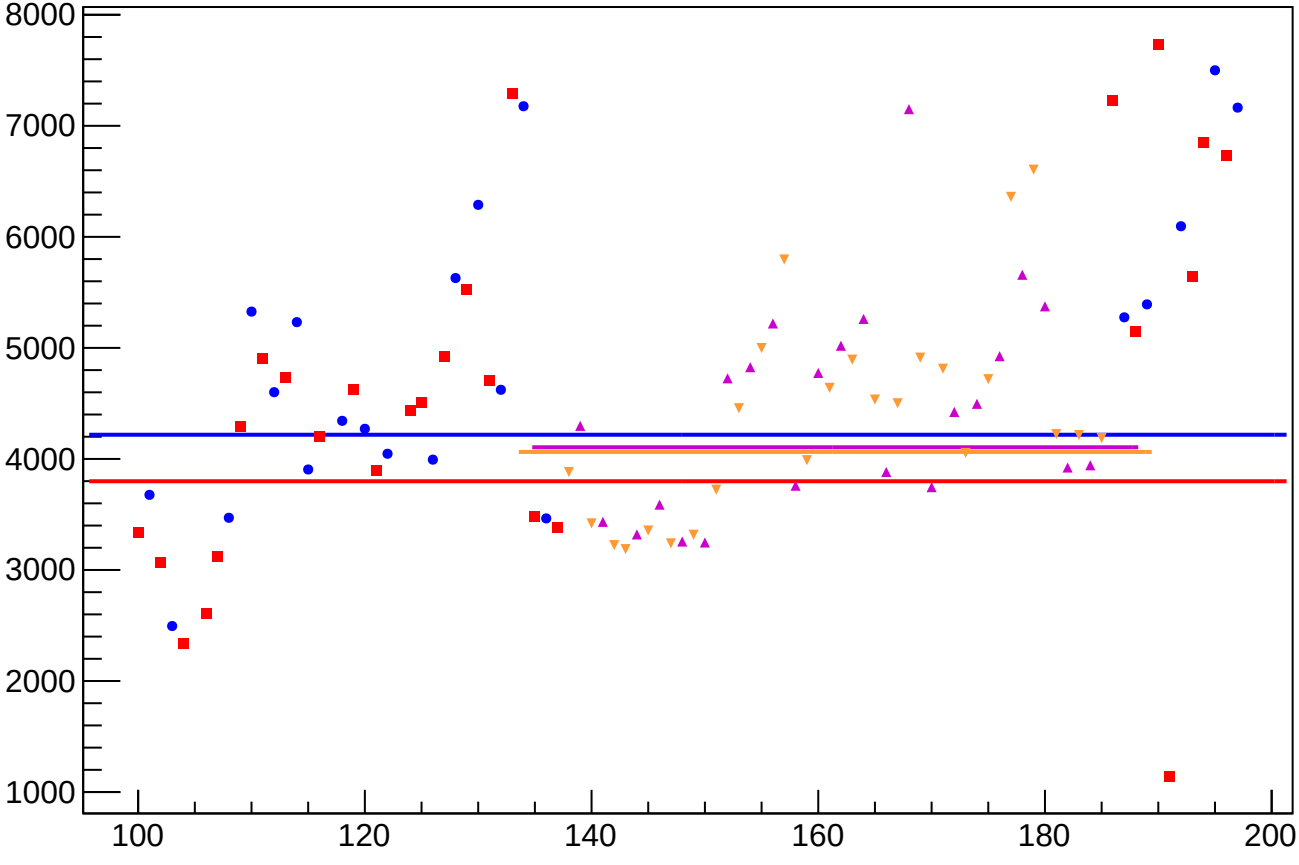
+ sign 1858.135+/-0.241 χ^2/NDF: 756156.1/45

All: 1858.288+/-0.171 χ^2/NDF: 1181337.1/94

- sign 1858.441+/-0.241 χ^2/NDF: 425180.2/48


asym_atr_dd_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 457.225+/-1362.115 χ²/NDF: 19.2/20
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: -1875.030+/-1206.548 χ²/NDF: 22.9/25
Left In: -75.789+/-980.241 χ²/NDF:15.4/22
+ sign -280.994+/-777.472 χ²/NDF: 45.6/45
All: -541.616+/-543.767 χ²/NDF: 85.6/94
- sign -791.183+/-760.803 χ²/NDF: 39.7/48

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4217.890+/-0.963 χ^2/NDF: 1950820.0/20

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3799.040+/-0.853 χ^2/NDF: 3393395.6/25

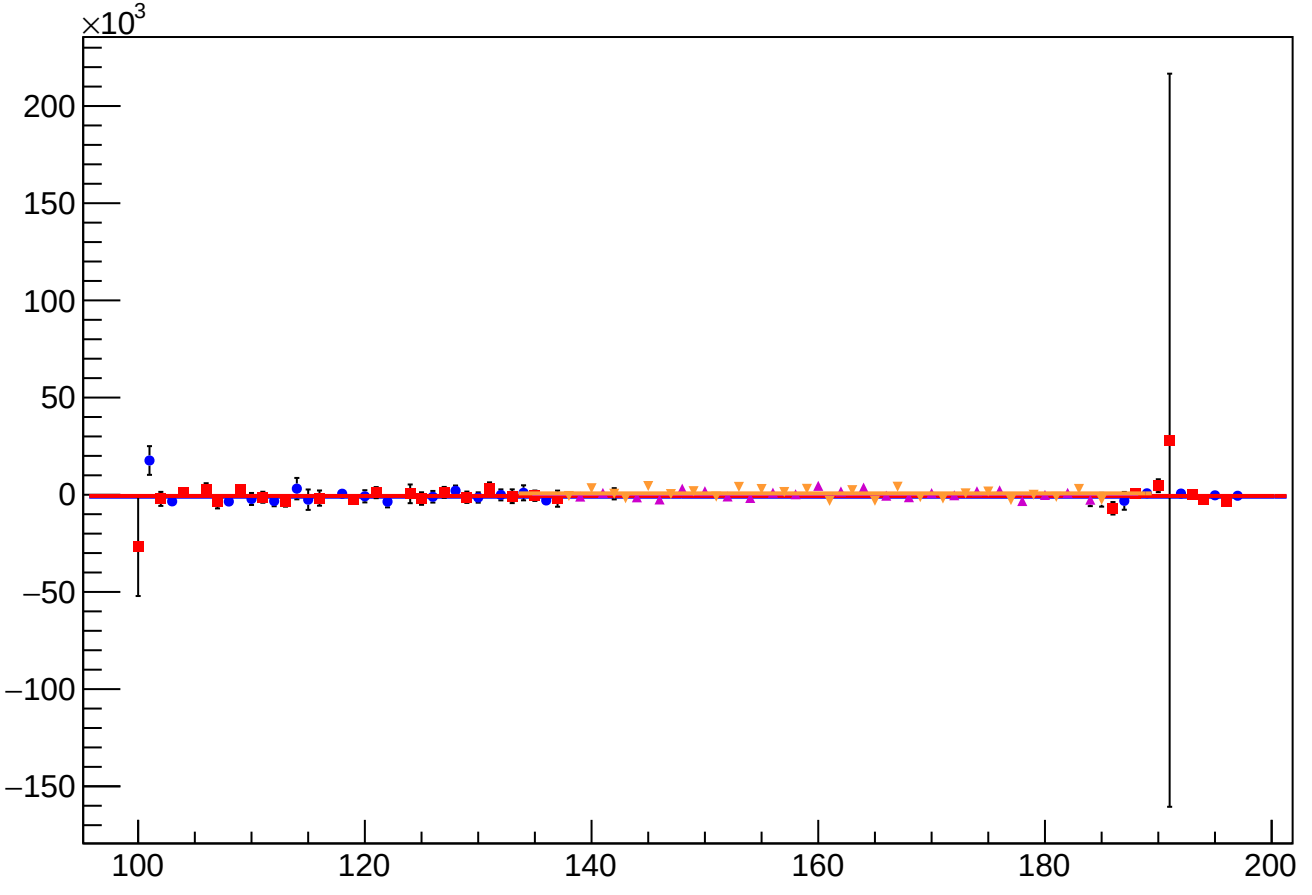
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4113.533+/-0.550 χ^2/NDF: 3373262.6/45

All: 4047.045+/-0.385 χ^2/NDF: 8232291.4/94

- sign 3983.377+/-0.538 χ^2/NDF: 4830395.6/48

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1012.167+/-598.217 χ^2/NDF: 15.3/20

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -612.407+/-569.149 χ^2/NDF: 19.5/25

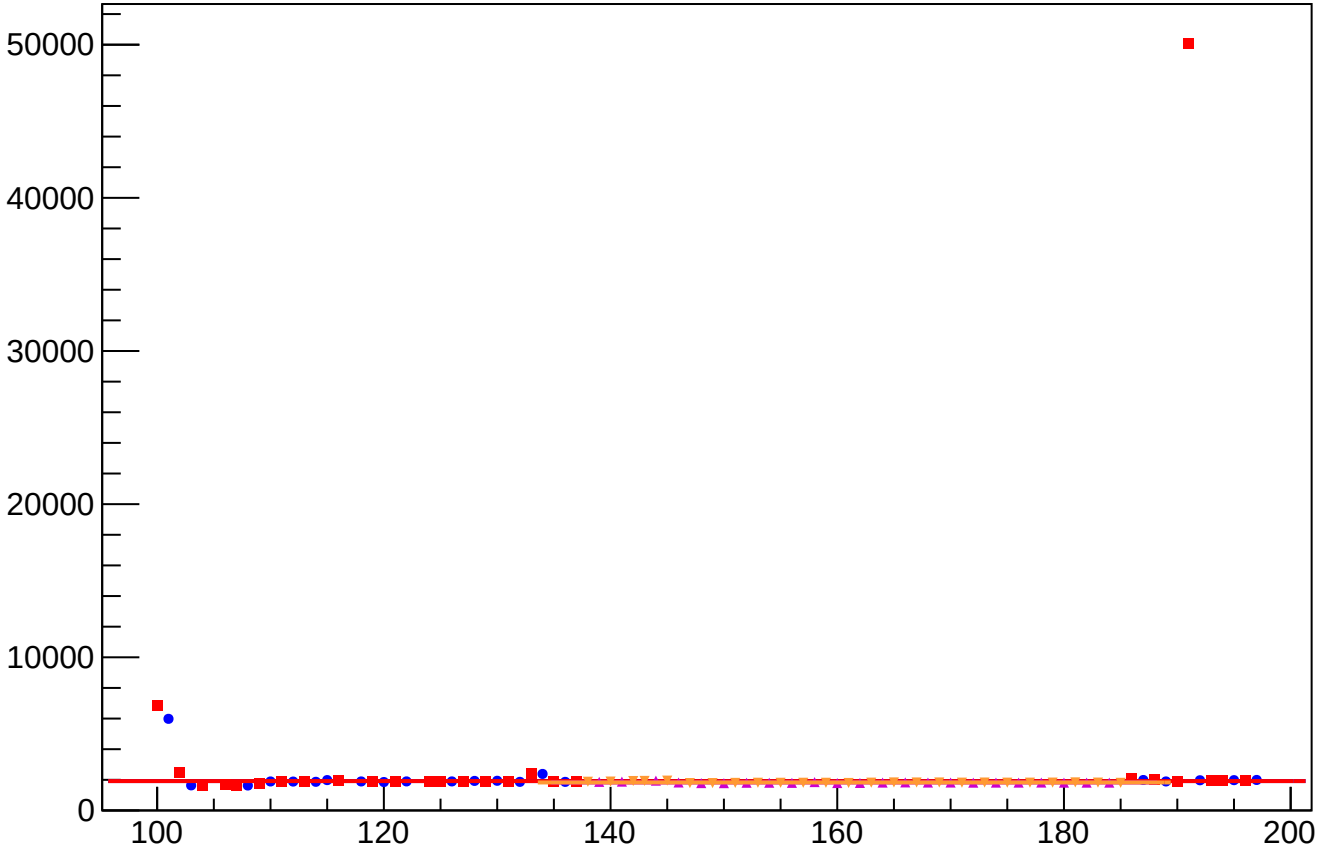
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 146.939+/-341.195 χ^2/NDF: 52.8/45

All: 92.539+/-241.248 χ^2/NDF: 95.2/94

- sign 38.151+/-341.158 χ^2/NDF: 42.3/48

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1920.134+/-0.423 χ^2/NDF: 704987.5/20

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

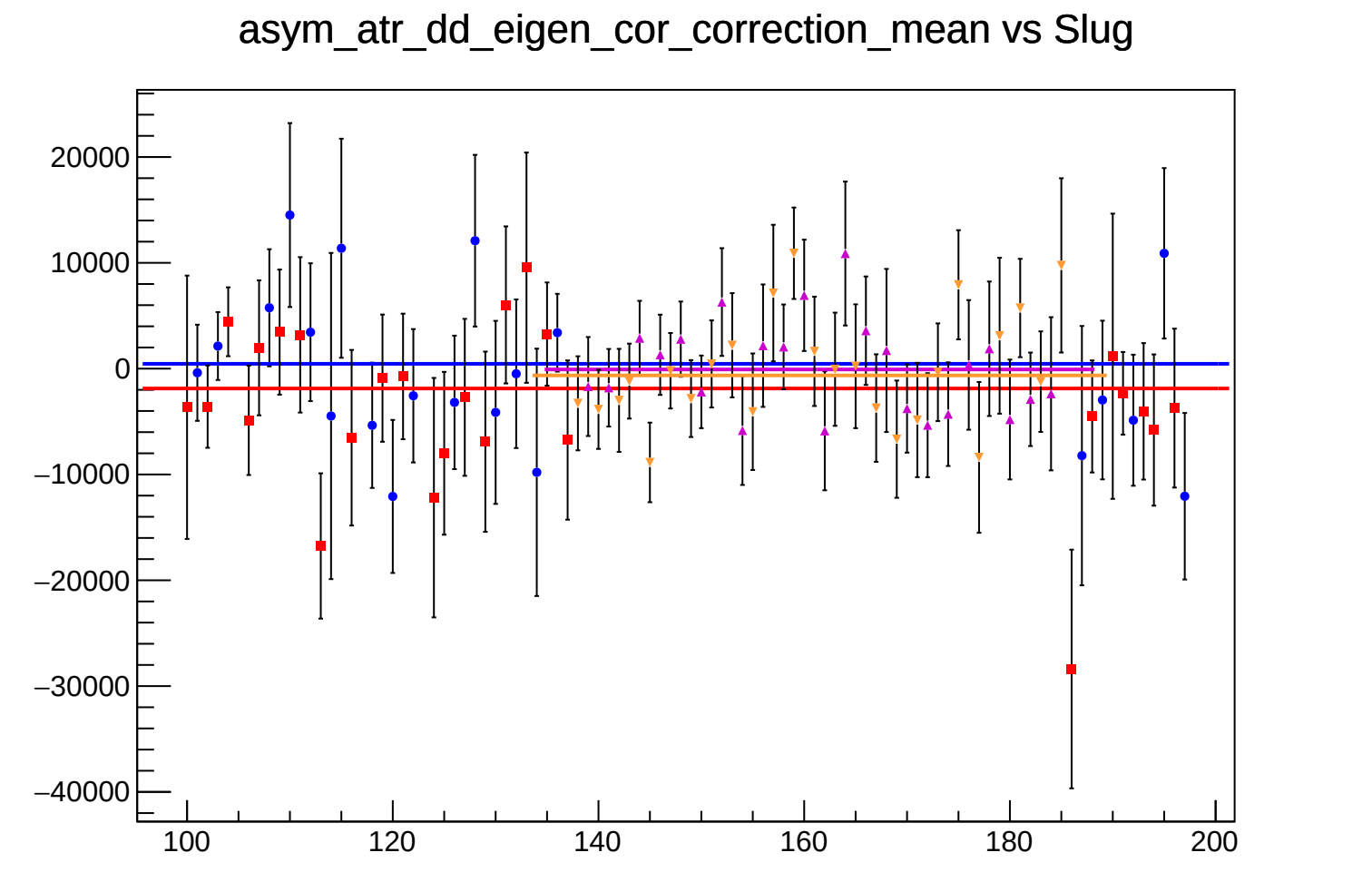
Right Out: 1917.658+/-0.402 χ^2/NDF: 377934.5/25

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

\+ sign 1858.135+/-0.241 χ^2/NDF: 756156.1/45

All: 1858.288+/-0.171 χ^2/NDF: 1181337.1/94

\- sign 1858.441+/-0.241 χ^2/NDF: 425180.2/48



Right In: 457.225+/-1362.115 χ^2/NDF: 19.2/20

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1875.030+/-1206.548 χ^2/NDF: 22.9/25

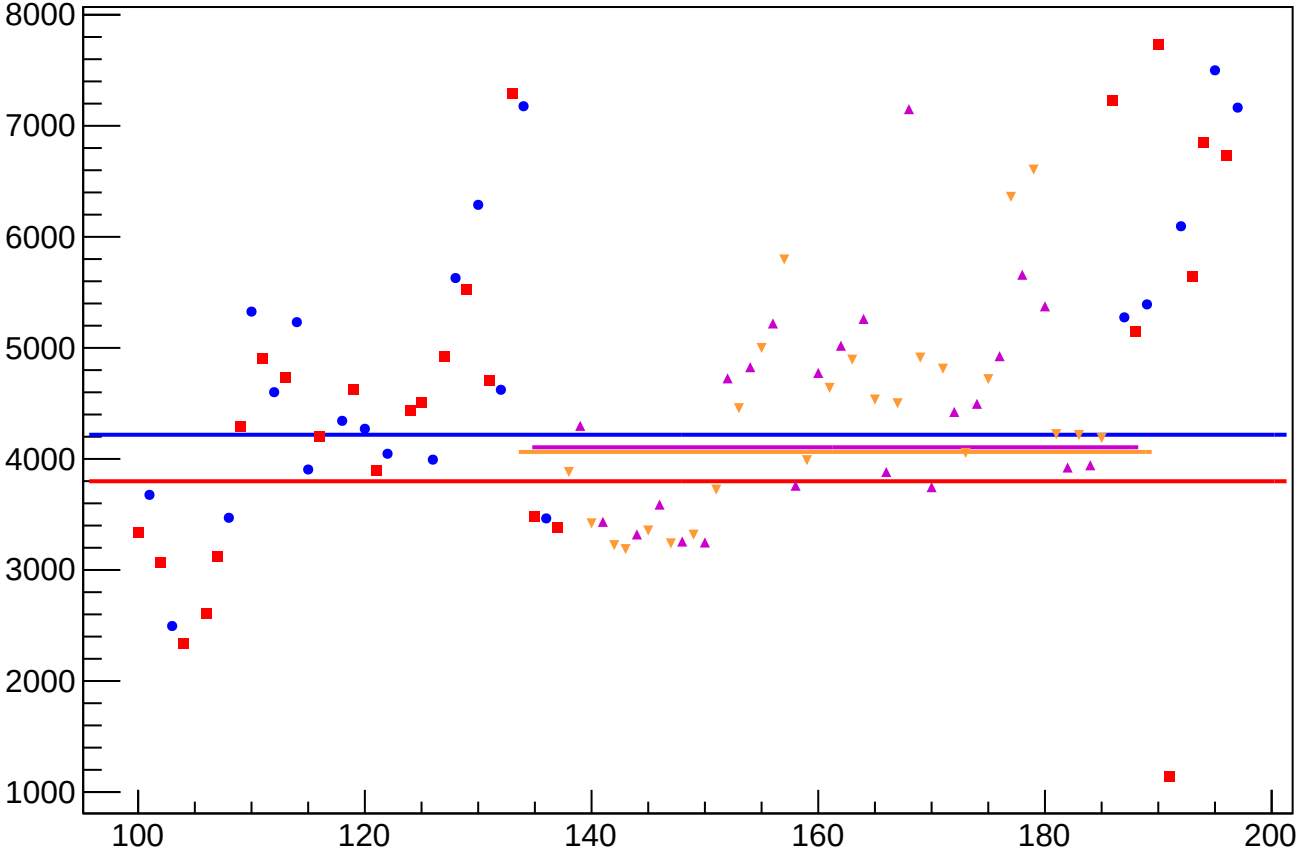
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -280.994+/-777.472 χ^2/NDF: 45.6/45

All: -541.616+/-543.767 χ^2/NDF: 85.6/94

- sign -791.183+/-760.803 χ^2/NDF: 39.7/48

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4217.890+/-0.963 χ^2/NDF: 1950820.0/20

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3799.040+/-0.853 χ^2/NDF: 3393395.6/25

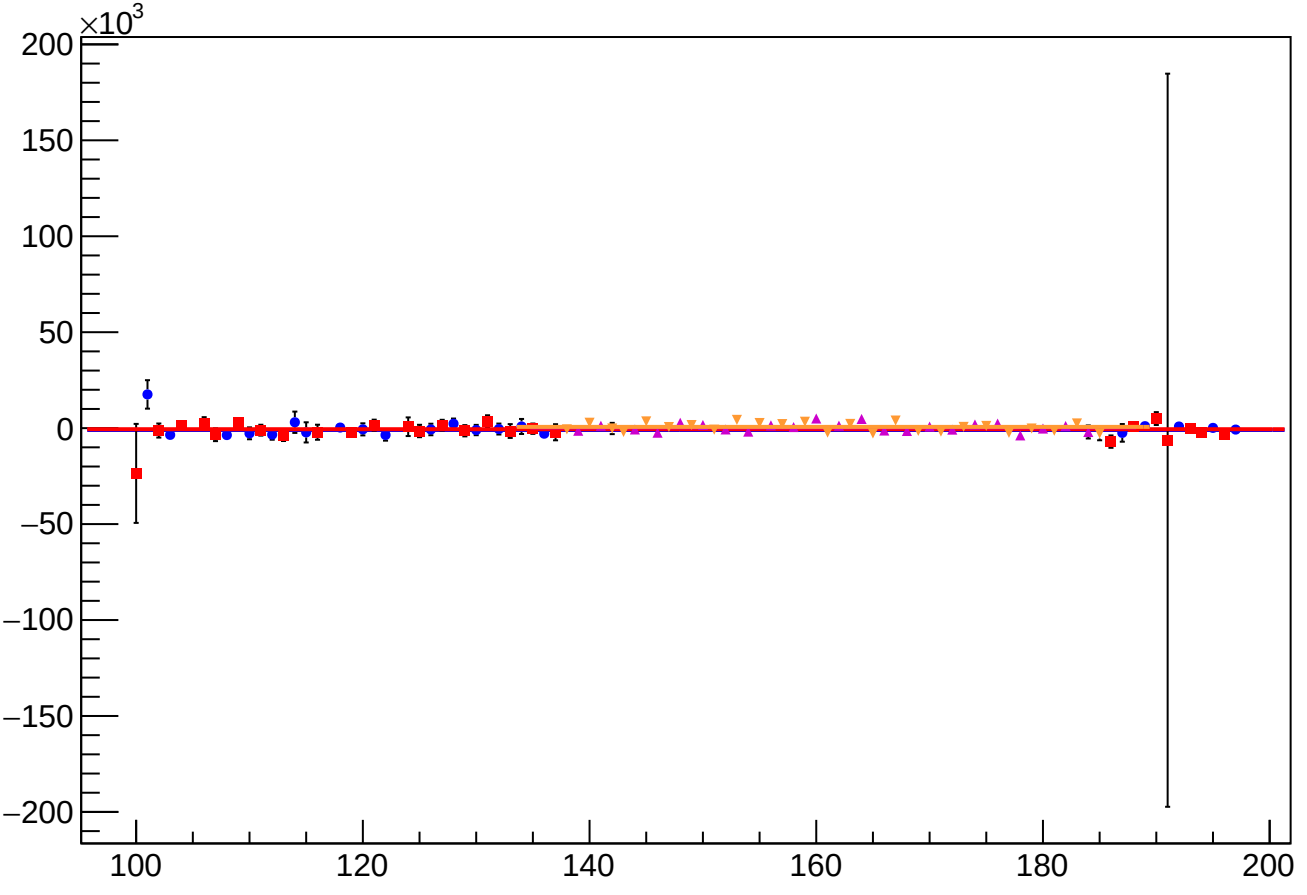
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4113.533+/-0.550 χ^2/NDF: 3373262.6/45

All: 4047.045+/-0.385 χ^2/NDF: 8232291.4/94

- sign 3983.377+/-0.538 χ^2/NDF: 4830395.6/48

dit_asym_atr_dd_mean vs Slug



Right In: -960.149+/-603.640 χ^2/NDF: 15.8/20

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -557.991+/-573.522 χ^2/NDF: 21.0/25

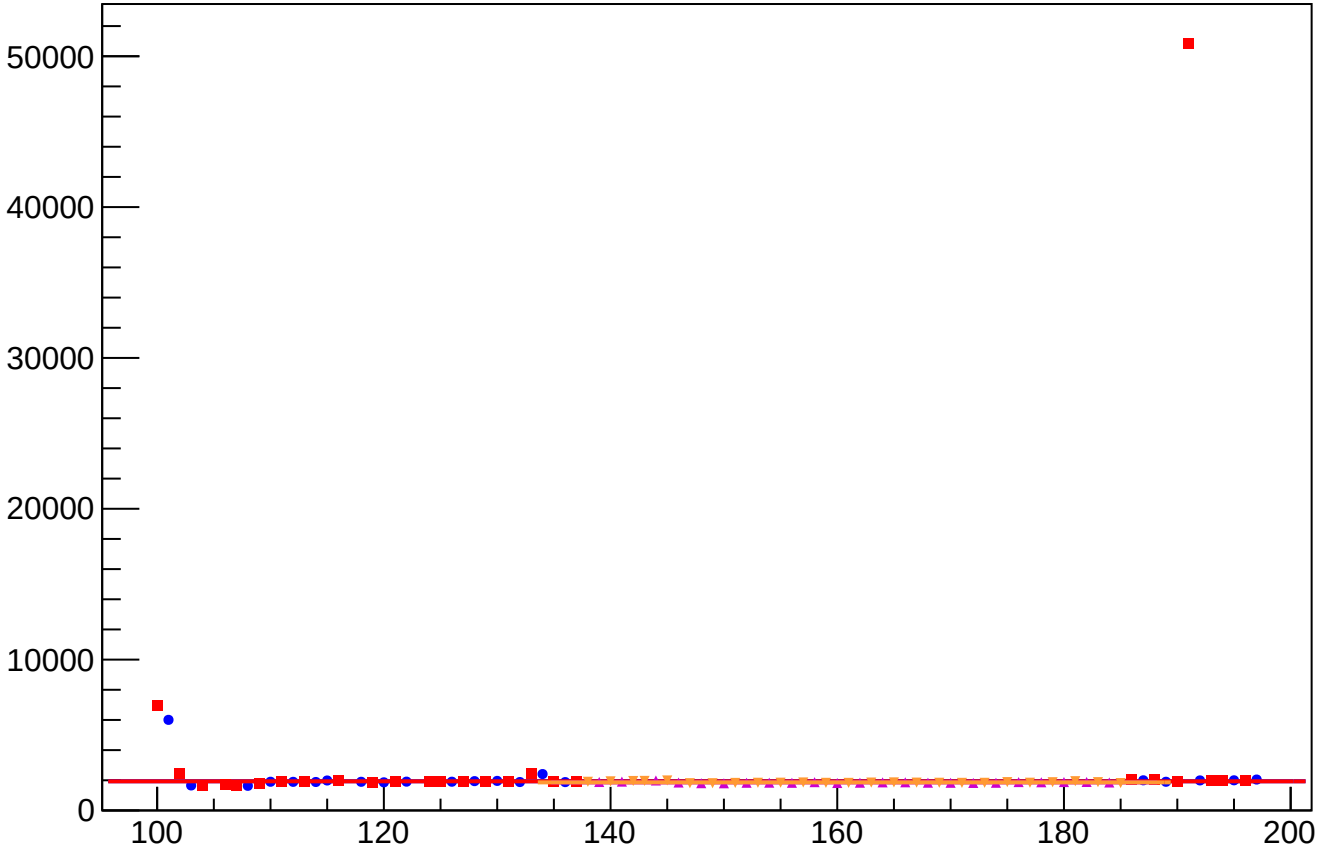
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 124.729+/-346.448 χ^2/NDF: 47.7/45

All: 91.438+/-244.819 χ^2/NDF: 94.2/94

- sign 58.231+/-346.006 χ^2/NDF: 46.5/48

dit_asym_atr_dd_rms vs Slug



Right In: 1937.336+/-0.427 χ^2/NDF: 707456.5/20

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

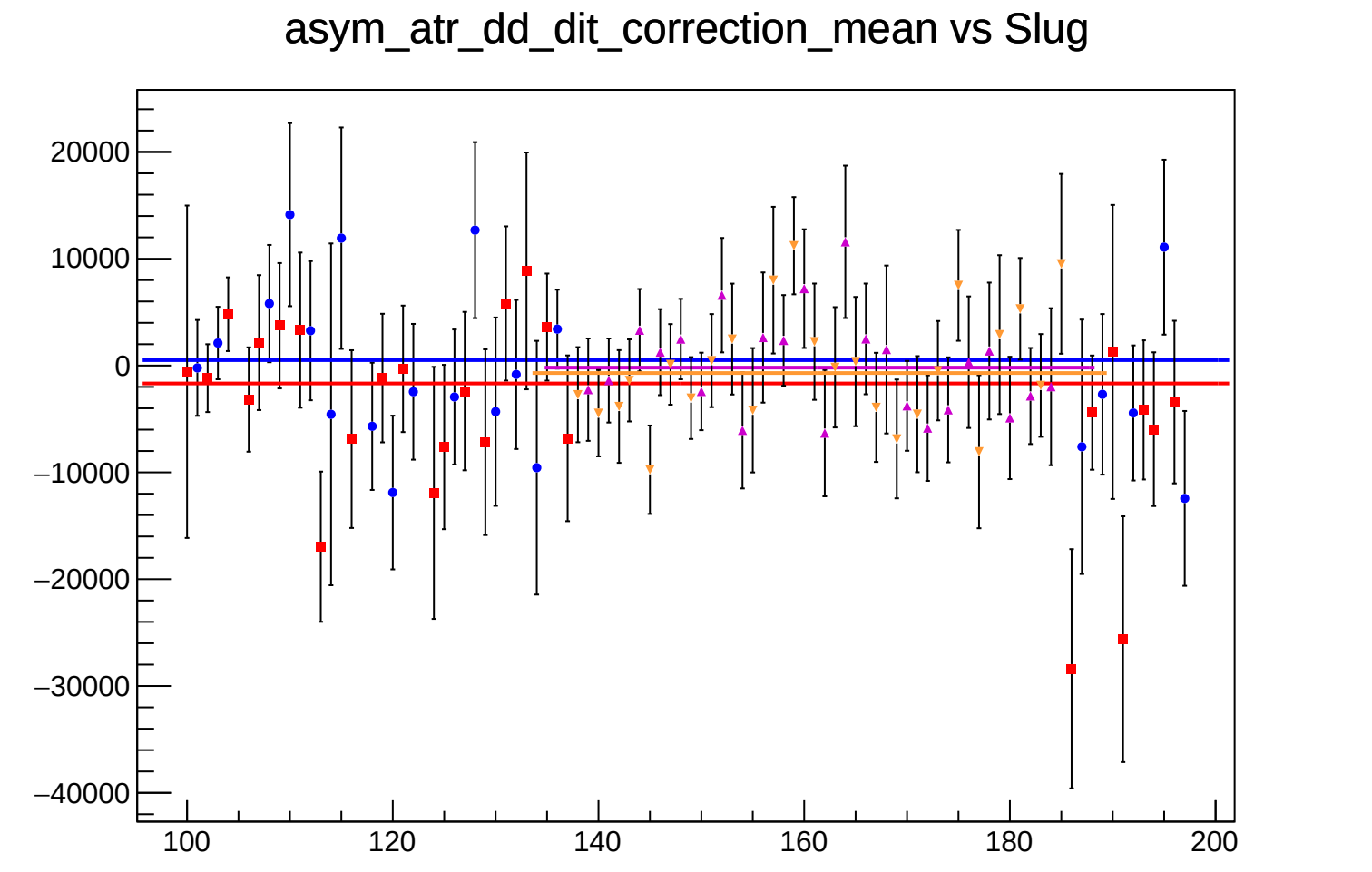
Right Out: 1932.250+/-0.405 χ^2/NDF: 381811.0/25

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1886.635+/-0.245 χ^2/NDF: 754511.6/45

All: 1885.733+/-0.173 χ^2/NDF: 1174265.8/94

- sign 1884.833+/-0.245 χ^2/NDF: 419727.2/48



Right In: 507.488+/-1379.577 χ^2/NDF: 19.0/20

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1676.290+/-1242.177 χ^2/NDF: 26.7/25

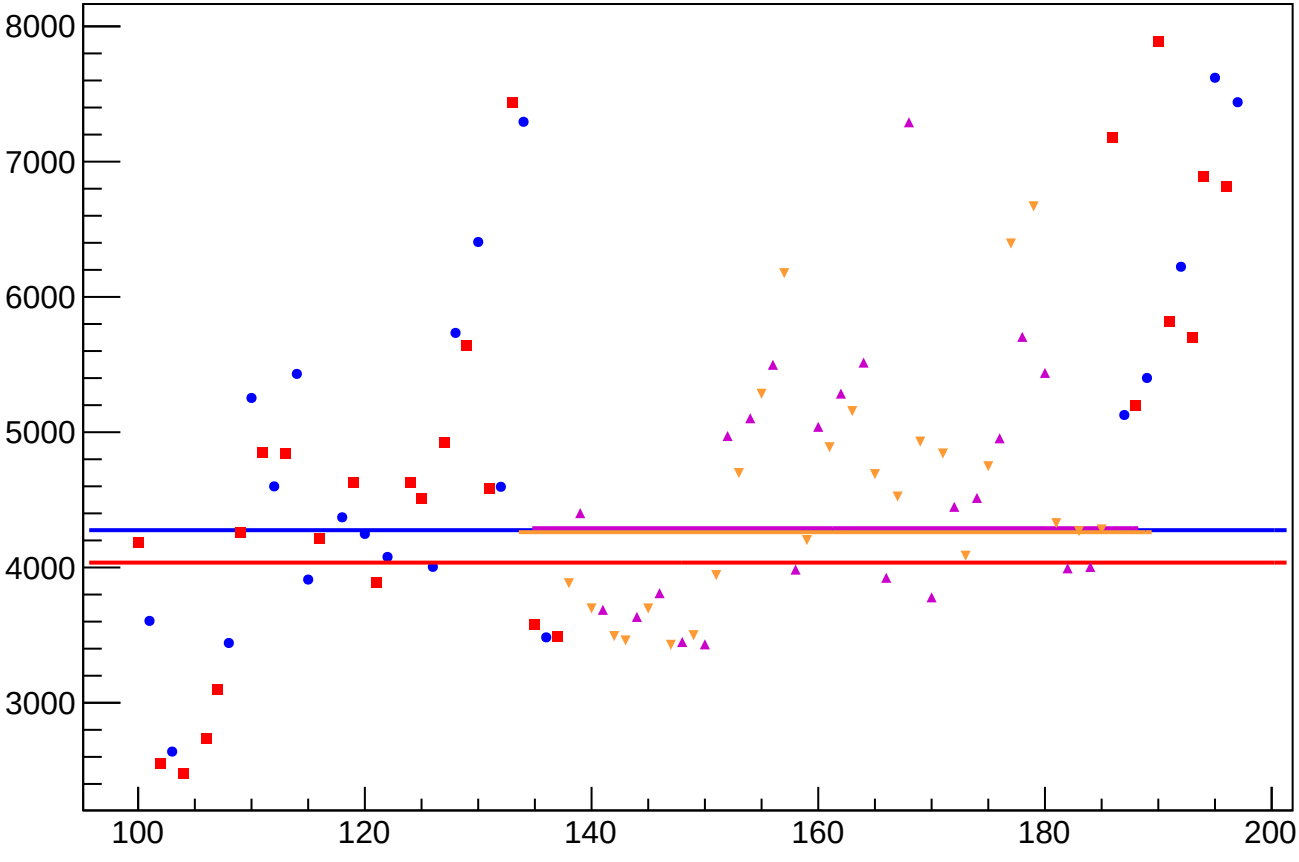
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -288.402+/-804.348 χ^2/NDF: 44.9/45

All: -544.800+/-563.412 χ^2/NDF: 87.8/94

- sign -791.777+/-789.431 χ^2/NDF: 42.7/48

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4275.852+/-0.976 χ^2/NDF: 1887748.5/20

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4036.139+/-0.878 χ^2/NDF: 2609668.2/25

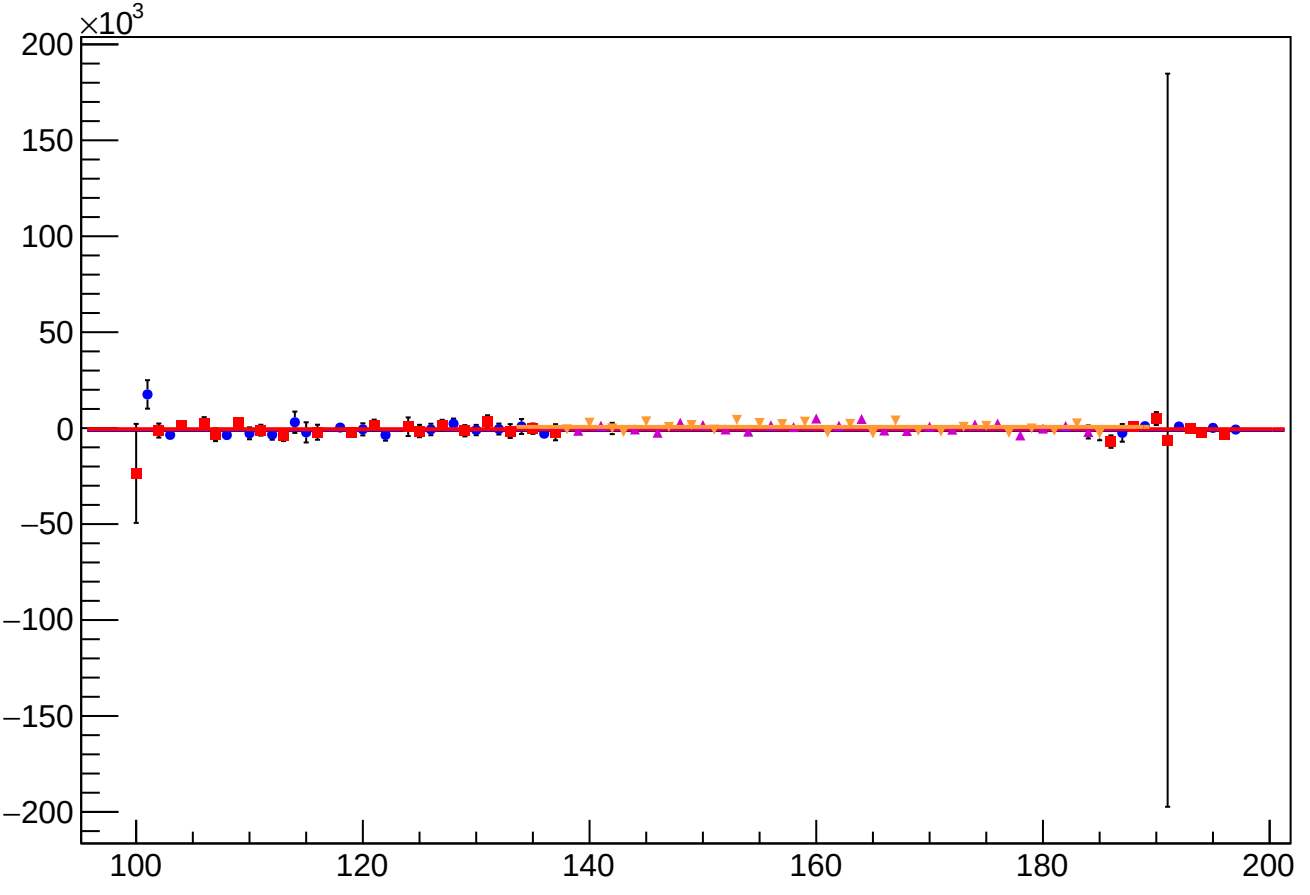
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4266.130+/-0.569 χ^2/NDF: 3078460.3/45

All: 4226.184+/-0.398 χ^2/NDF: 6961728.6/94

- sign 4187.706+/-0.558 χ^2/NDF: 3873583.9/48

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -960.150+/-603.640 χ^2/NDF: 15.8/20

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -557.987+/-573.522 χ^2/NDF: 21.0/25

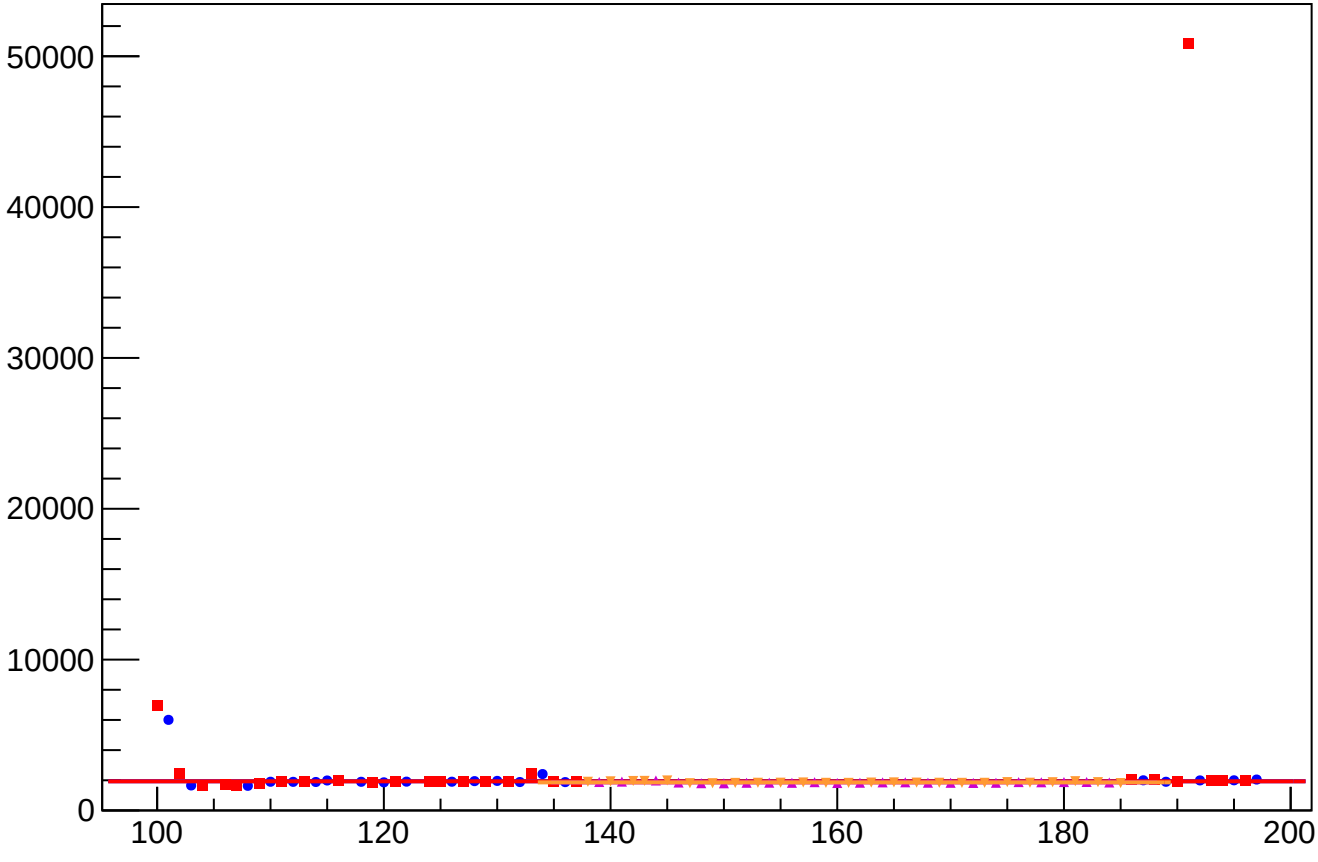
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 124.732+/-346.448 χ^2/NDF: 47.7/45

All: 91.440+/-244.819 χ^2/NDF: 94.2/94

- sign 58.233+/-346.006 χ^2/NDF: 46.5/48

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1937.336+/-0.427 χ^2/NDF: 707456.4/20

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

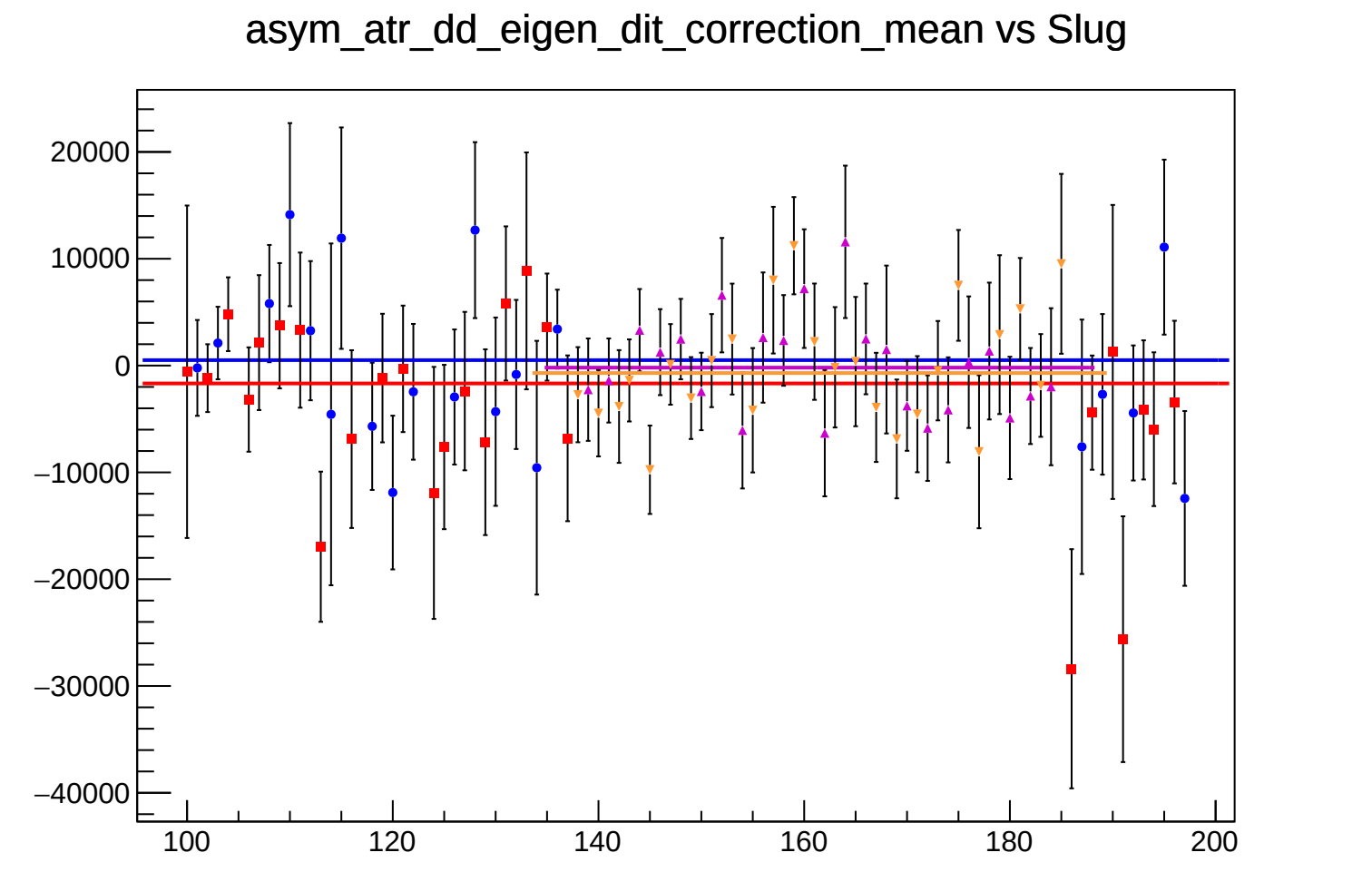
Right Out: 1932.250+/-0.405 χ^2/NDF: 381811.1/25

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1886.635+/-0.245 χ^2/NDF: 754511.0/45

All: 1885.733+/-0.173 χ^2/NDF: 1174264.8/94

- sign 1884.834+/-0.245 χ^2/NDF: 419726.8/48



Right In: 507.475+/-1379.576 χ^2/NDF: 19.0/20

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1676.288+/-1242.176 χ^2/NDF: 26.7/25

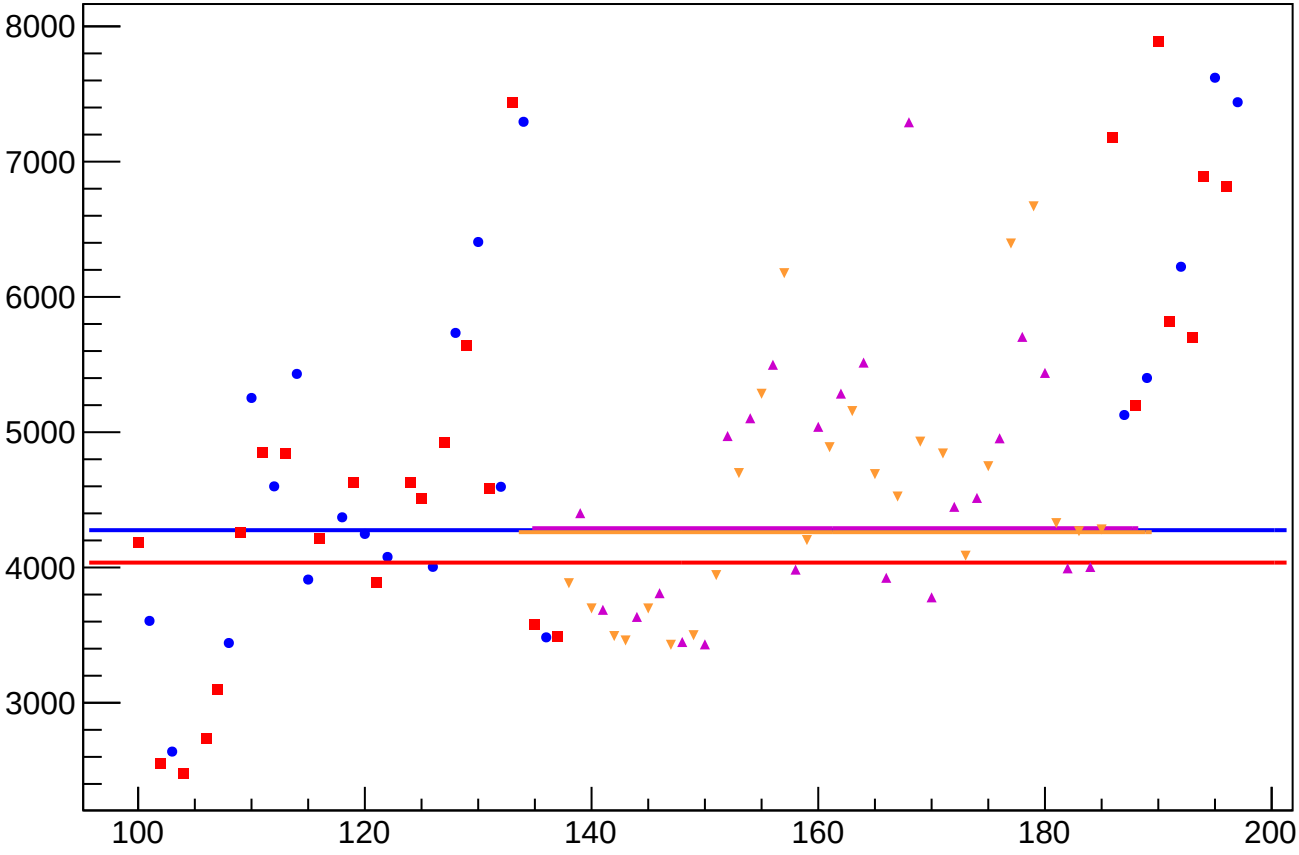
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -288.404+/-804.348 χ^2/NDF: 44.9/45

All: -544.802+/-563.412 χ^2/NDF: 87.8/94

- sign -791.779+/-789.431 χ^2/NDF: 42.7/48

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4275.849+/-0.976 χ^2/NDF: 1887744.0/20

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4036.136+/-0.878 χ^2/NDF: 2609662.1/25

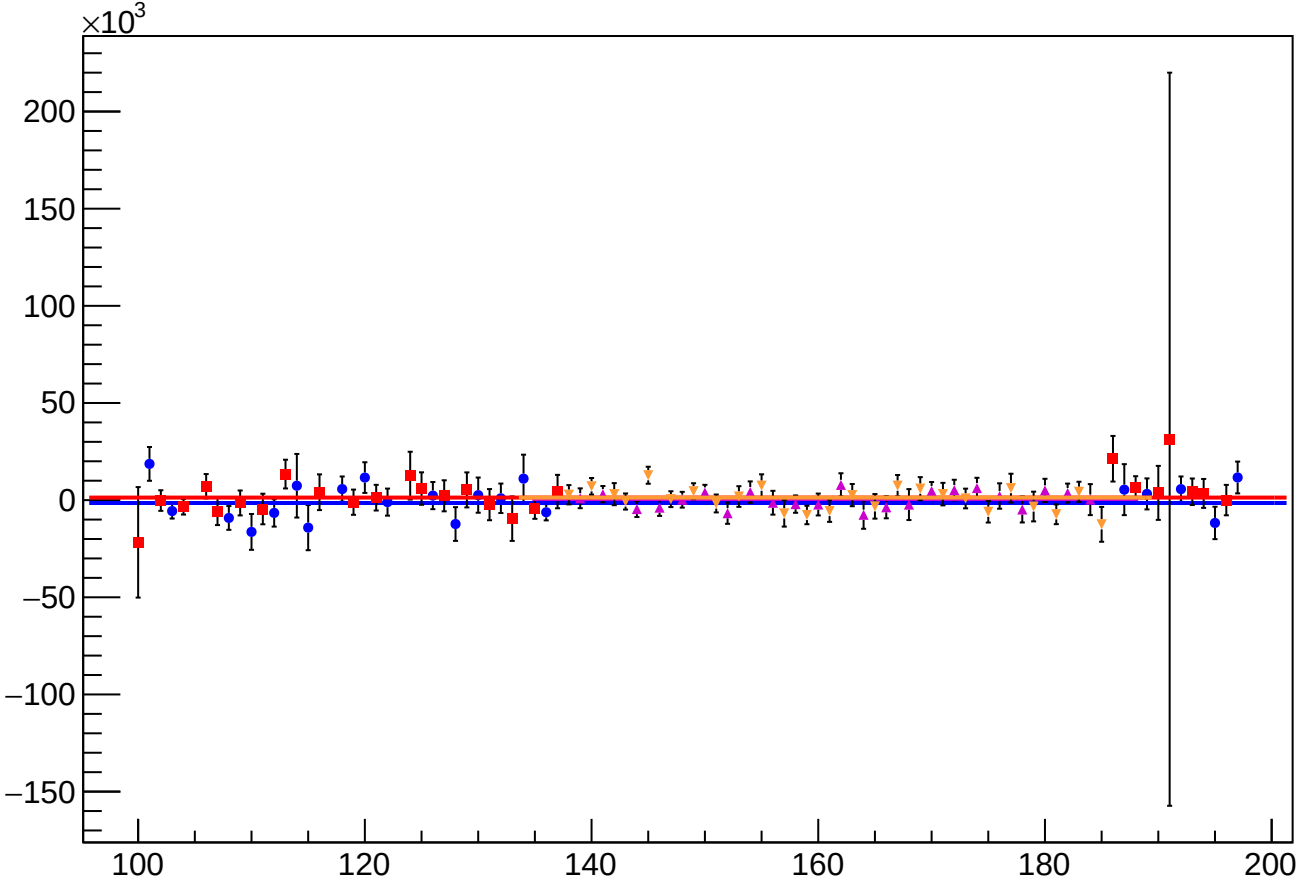
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4266.134+/-0.569 χ^2/NDF: 3078458.4/45

All: 4226.187+/-0.398 χ^2/NDF: 6961730.5/94

- sign 4187.708+/-0.558 χ^2/NDF: 3873587.4/48

asym_atr_dd_mean vs Slug



Right In: -1470.790+/-1556.856 χ^2/NDF: 27.1/20

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1320.374+/-1445.505 χ^2/NDF: 15.2/25

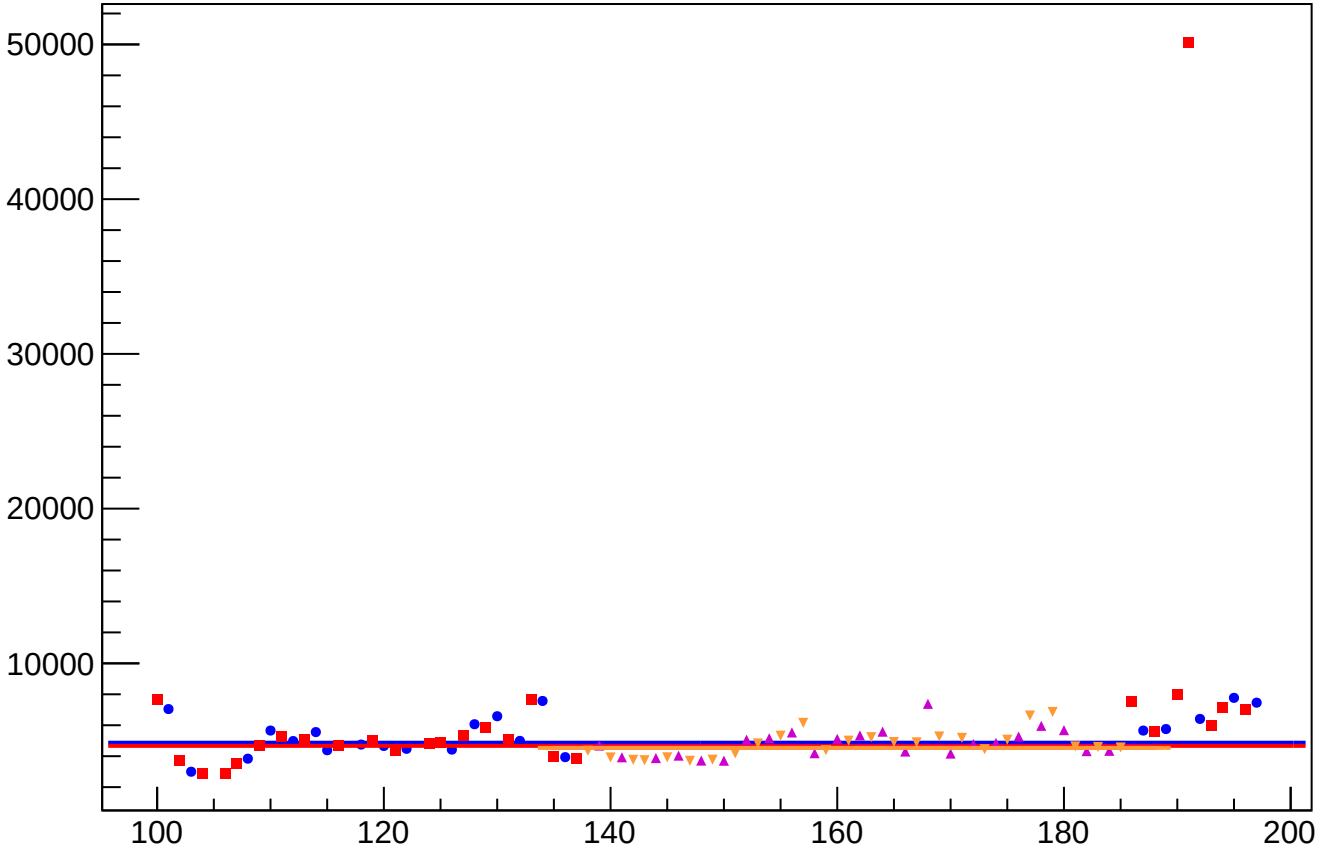
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 433.097+/-870.265 χ^2/NDF: 57.7/45

All: 639.303+/-613.956 χ^2/NDF: 87.7/94

- sign 843.624+/-866.277 χ^2/NDF: 29.8/48

asym_atr_dd_rms vs Slug



Right In: 4871.298+/-1.101 χ^2/NDF: 1584443.8/20

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

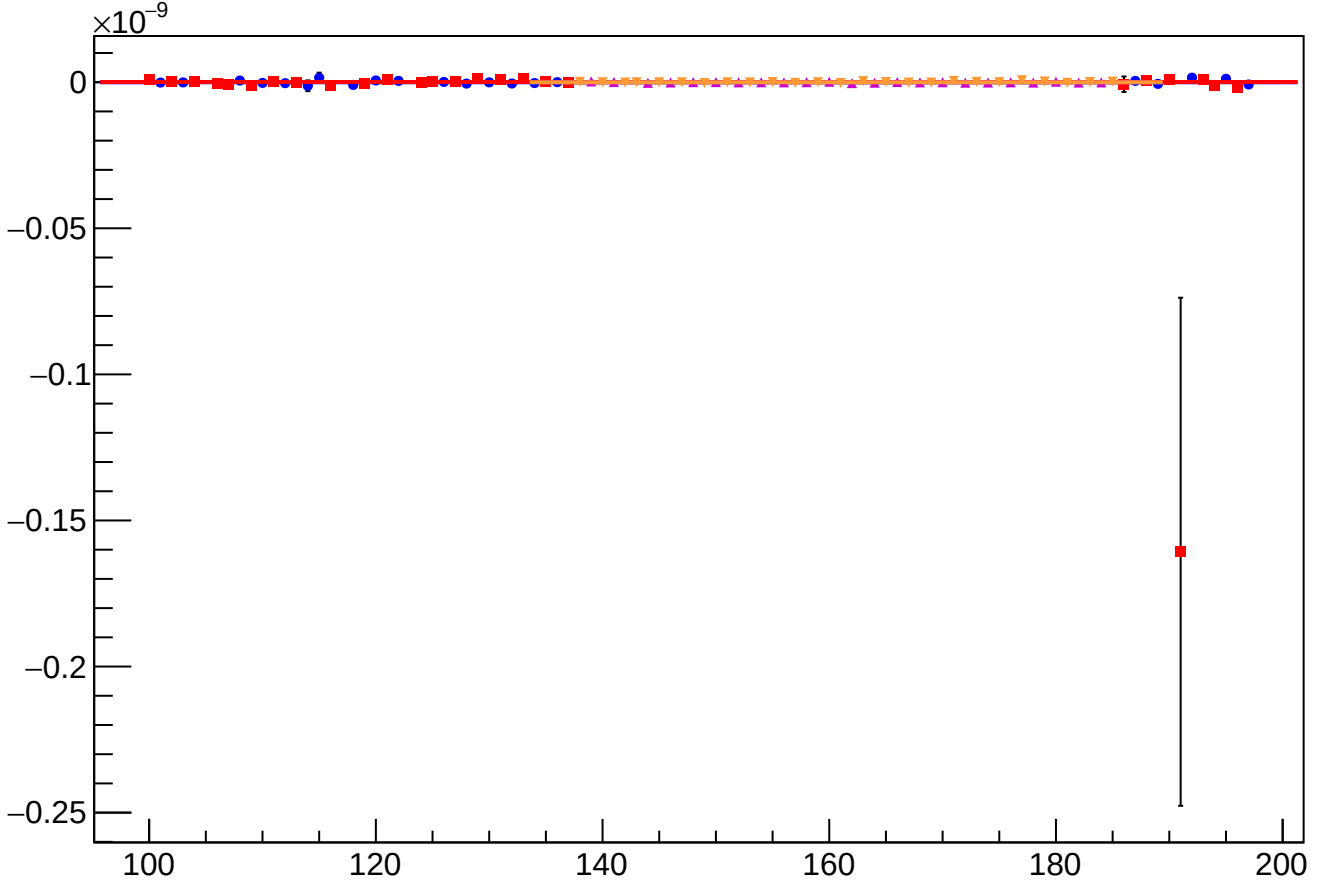
Right Out: 4668.269+/-1.015 χ^2/NDF: 1894058.8/25

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4642.100+/-0.615 χ^2/NDF: 2640396.0/45

All: 4620.669+/-0.434 χ^2/NDF: 5524248.2/94

- sign 4599.533+/-0.611 χ^2/NDF: 2881443.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

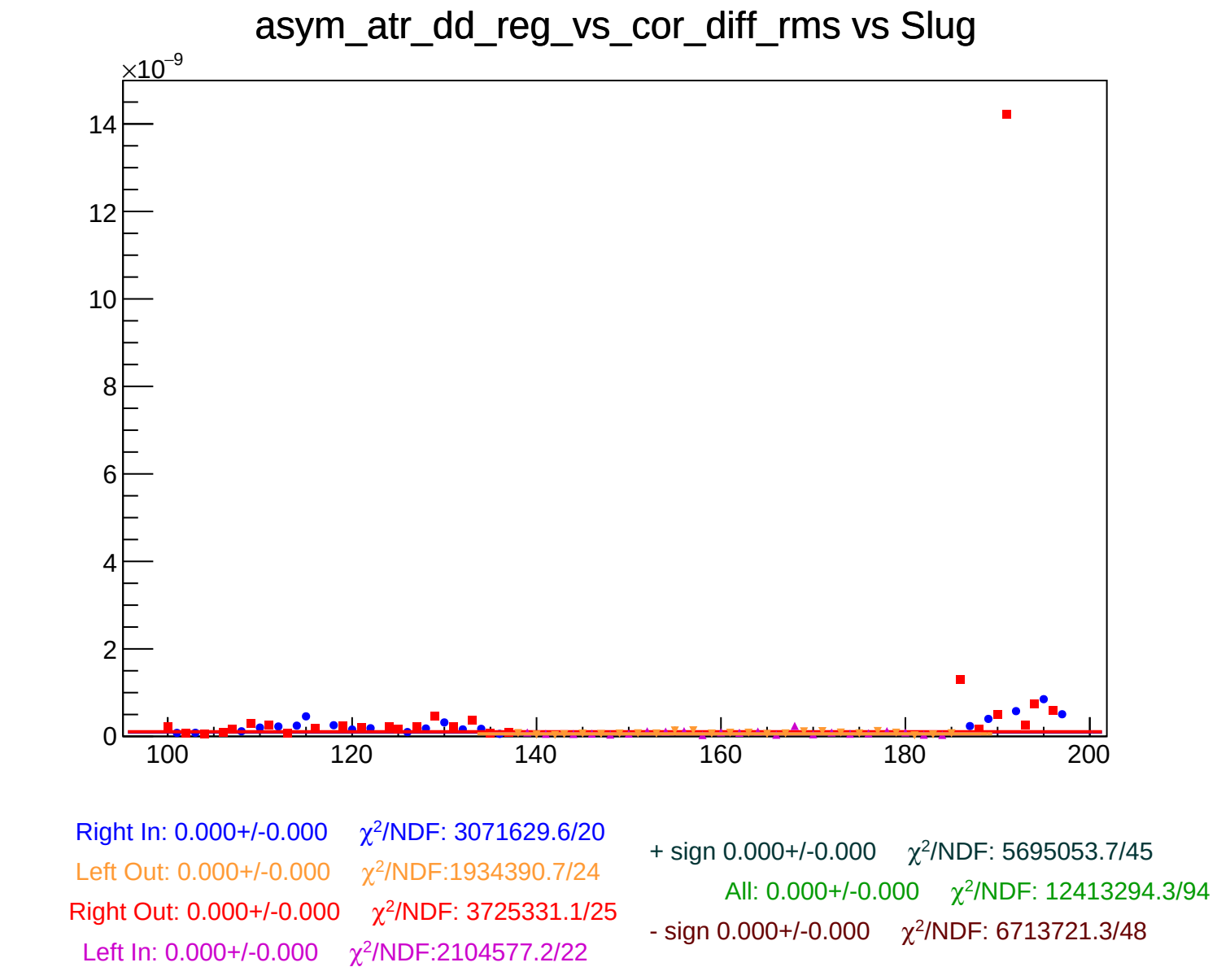
Right Out: 0.000+/-0.000 χ^2/NDF: 33.6/25

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

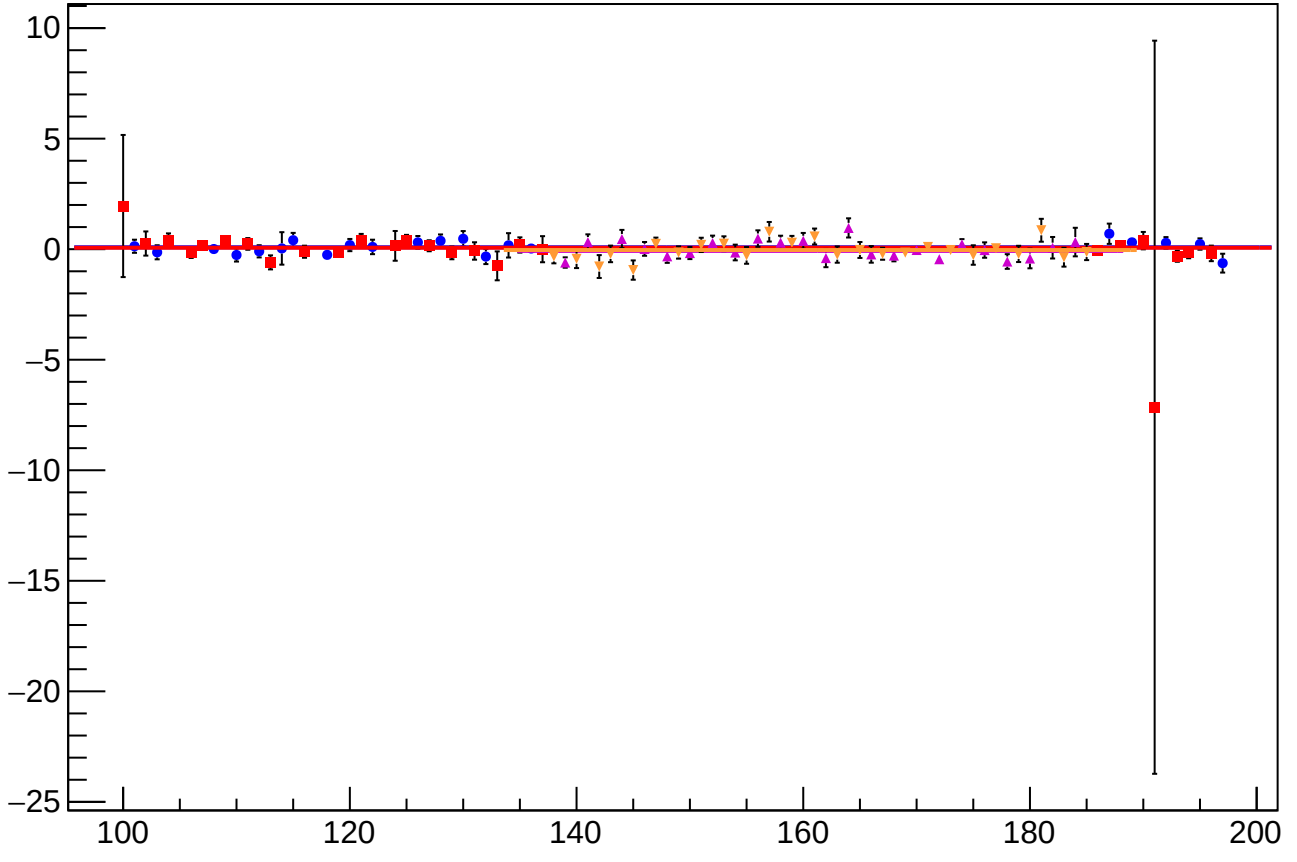
+ sign -0.000+/-0.000 χ^2/NDF: 55.9/45

All: -0.000+/-0.000 χ^2/NDF: 112.0/94

- sign -0.000+/-0.000 χ^2/NDF: 55.5/48


asym_atr_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
14
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3071629.6/20
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3725331.1/25
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5695053.7/45
All: 0.000+/-0.000 χ²/NDF: 12413294.3/94
- sign 0.000+/-0.000 χ²/NDF: 6713721.3/48

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.086+/-0.061 χ^2/NDF: 17.9/20

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.066+/-0.054 χ^2/NDF: 23.5/25

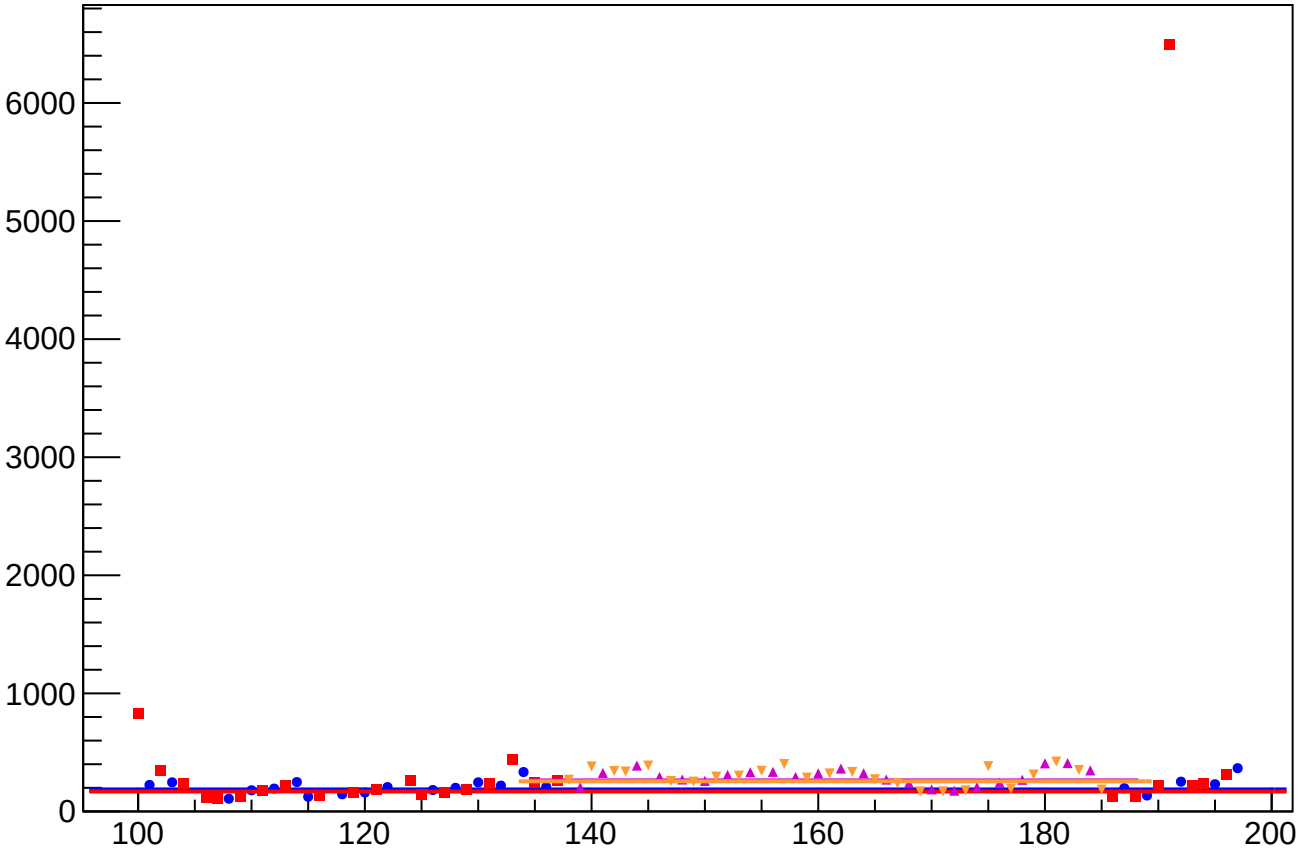
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.024+/-0.044 χ^2/NDF: 44.3/45

All: 0.015+/-0.030 χ^2/NDF: 101.8/94

- sign 0.007+/-0.042 χ^2/NDF: 57.4/48

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 186.423+/-0.043 χ^2/NDF: 1618945.7/20

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 168.952+/-0.038 χ^2/NDF: 2552812.5/25

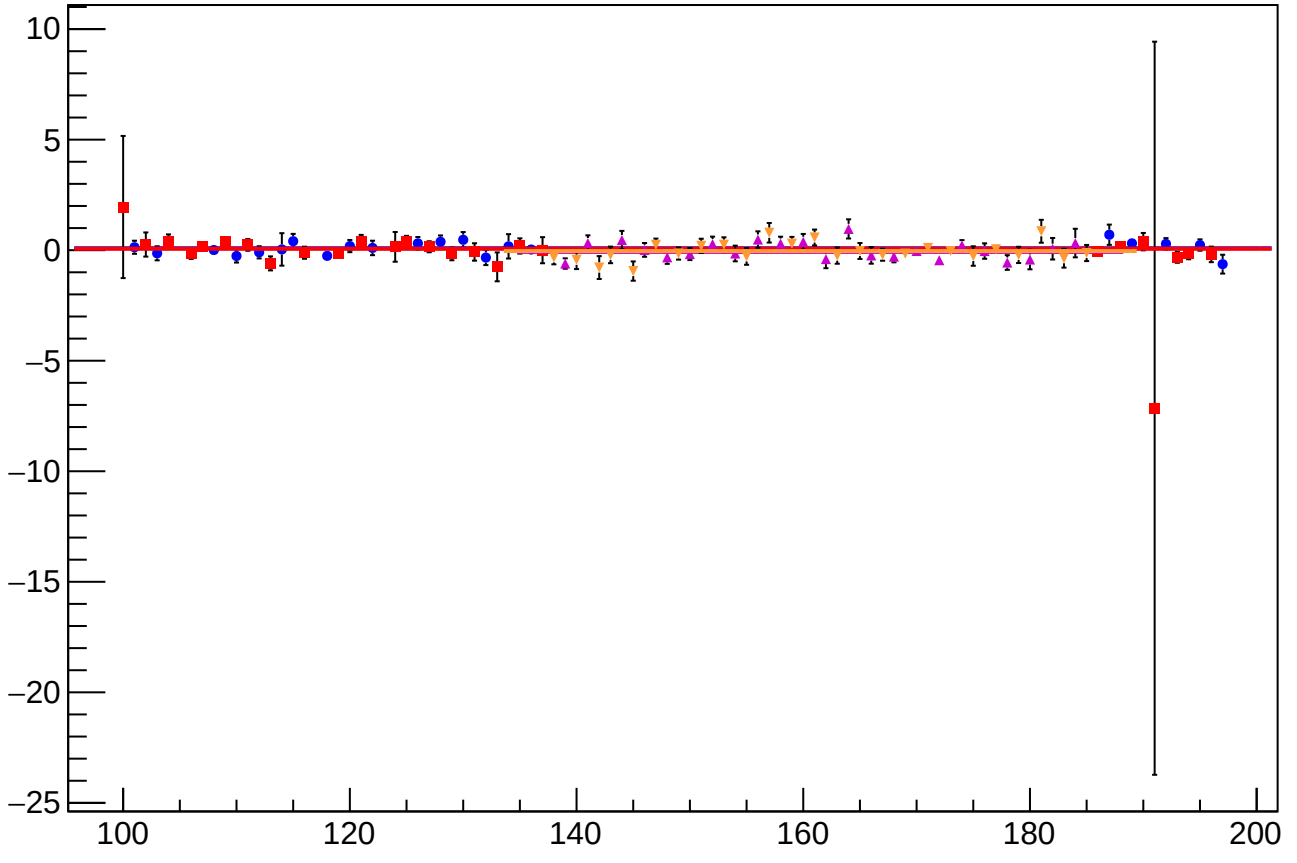
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 220.482+/-0.031 χ^2/NDF: 5808130.5/45

All: 213.652+/-0.021 χ^2/NDF: 12948127.2/94

- sign 207.428+/-0.029 χ^2/NDF: 7045882.4/48

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.086+/-0.061 χ^2/NDF: 17.9/20

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.066+/-0.054 χ^2/NDF: 23.5/25

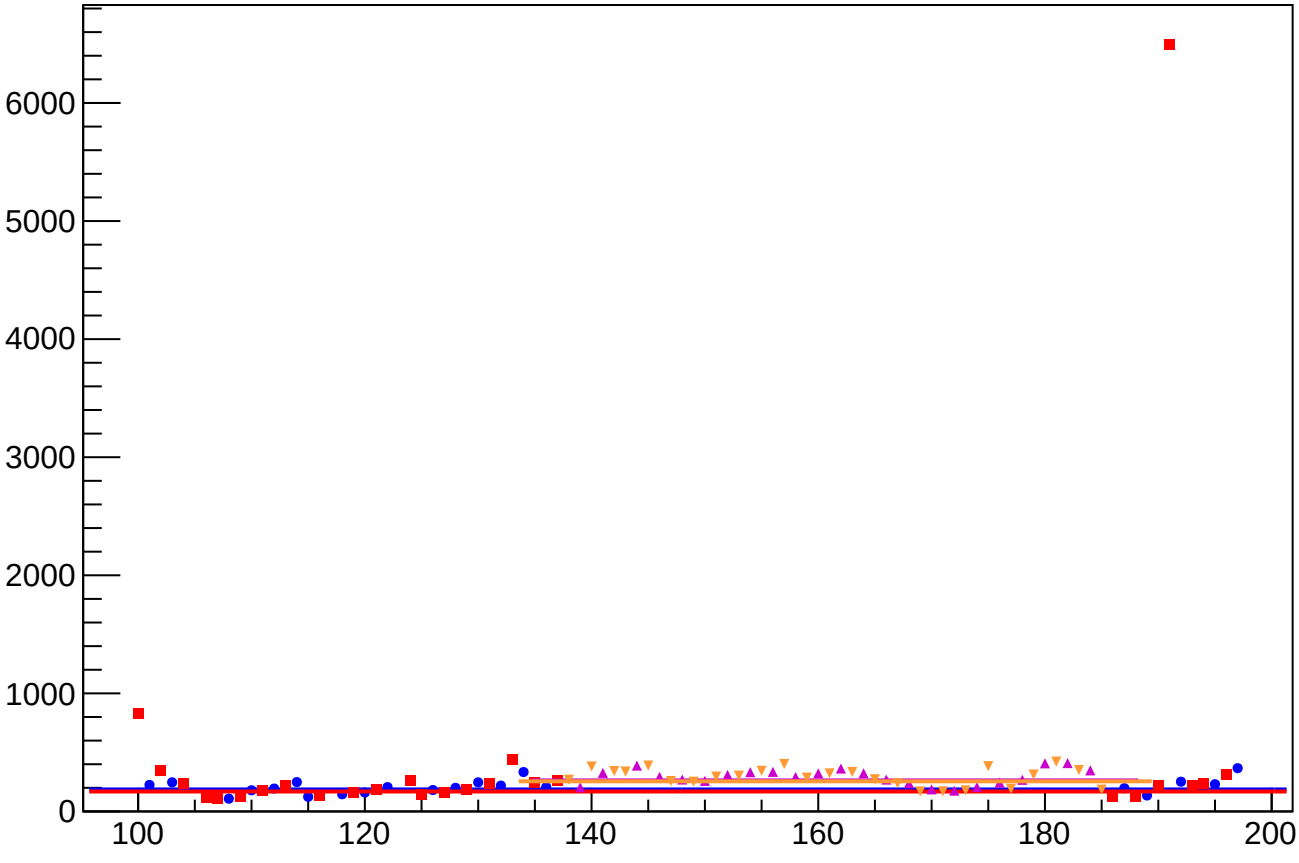
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.024+/-0.044 χ^2/NDF: 44.3/45

All: 0.015+/-0.030 χ^2/NDF: 101.8/94

- sign 0.007+/-0.042 χ^2/NDF: 57.4/48

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 186.423+/-0.043 χ^2/NDF: 1618945.7/20

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

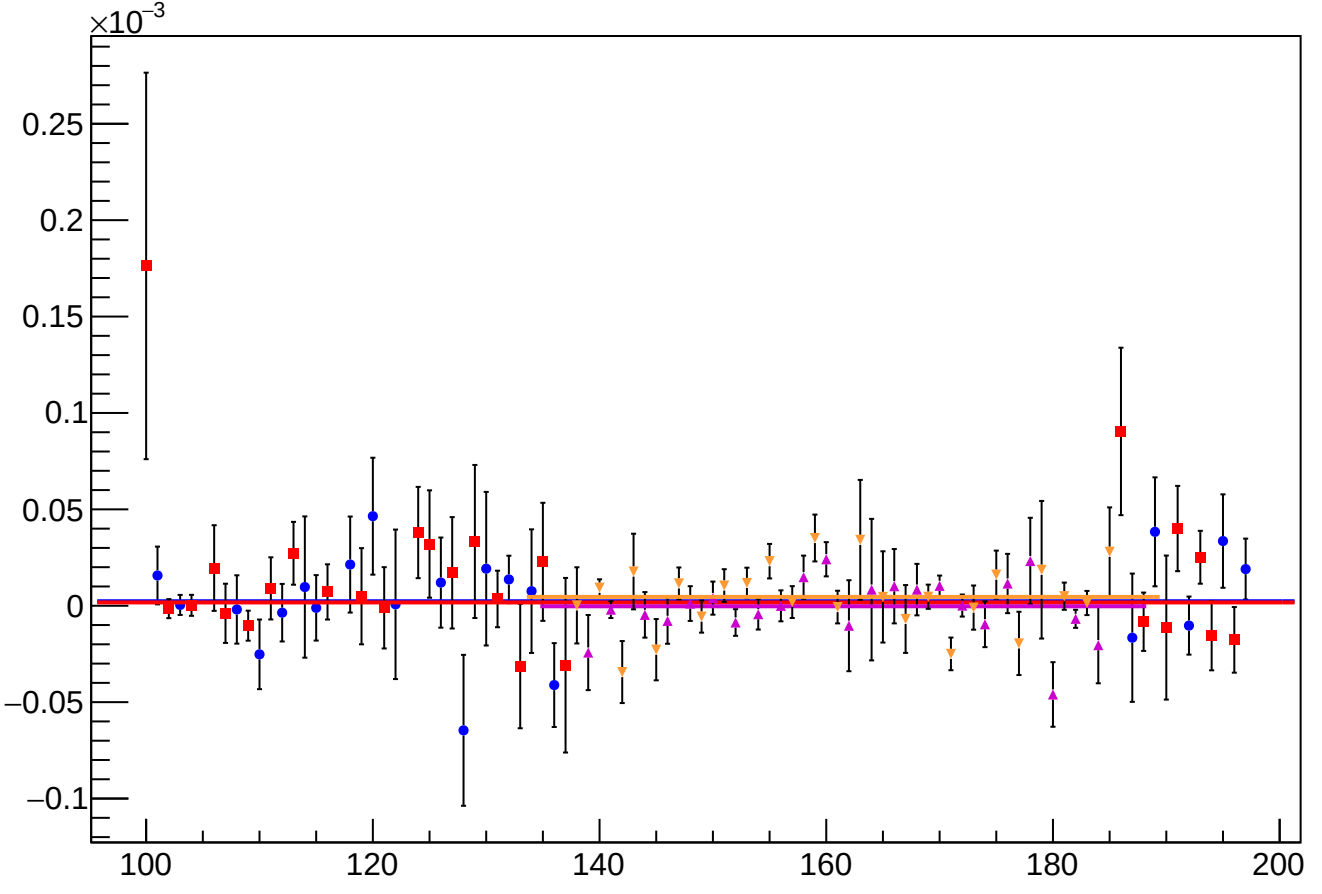
Right Out: 168.952+/-0.038 χ^2/NDF: 2552812.5/25

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 220.482+/-0.031 χ^2/NDF: 5808130.5/45

All: 213.652+/-0.021 χ^2/NDF: 12948127.2/94

- sign 207.428+/-0.029 χ^2/NDF: 7045882.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

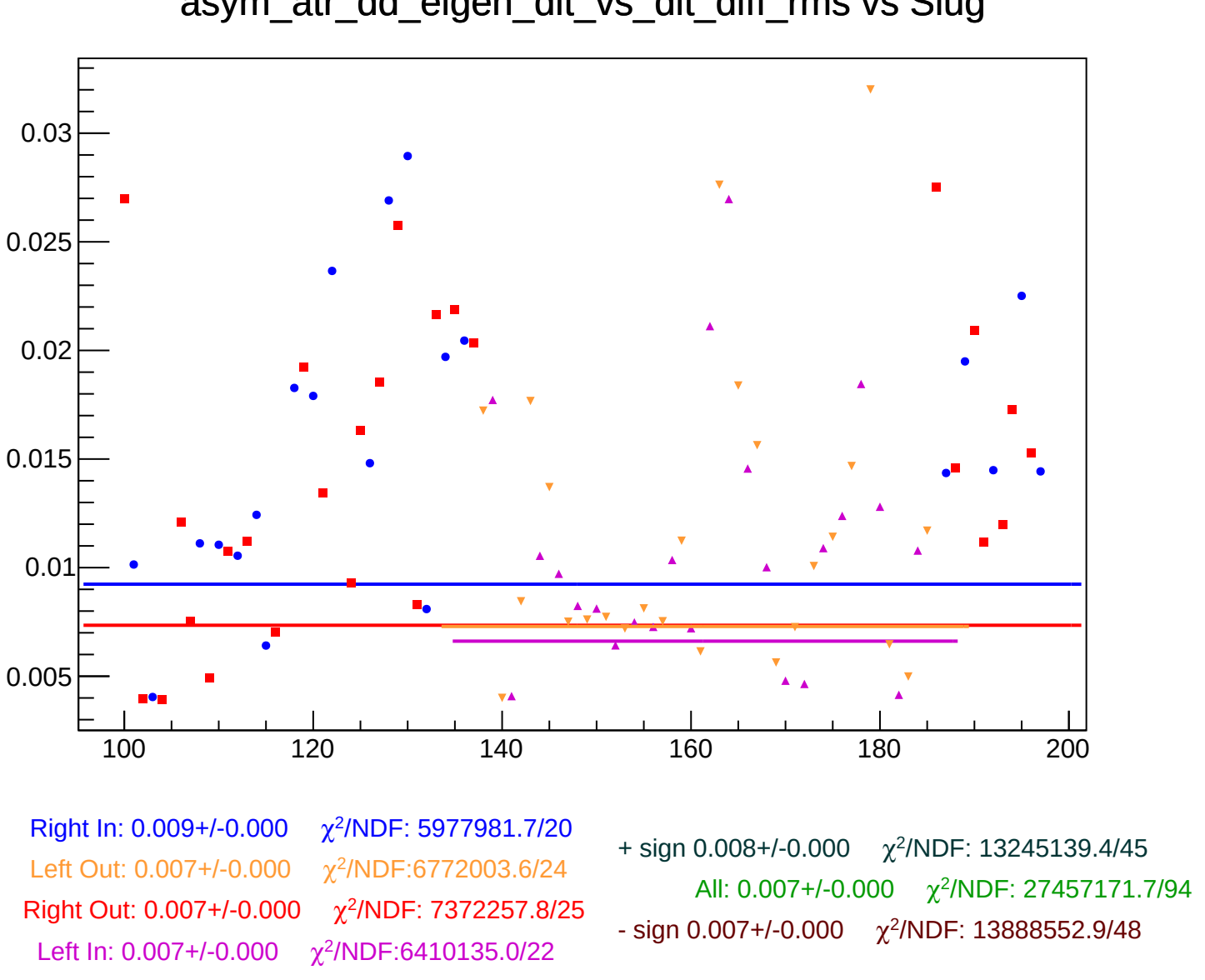
Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/25

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

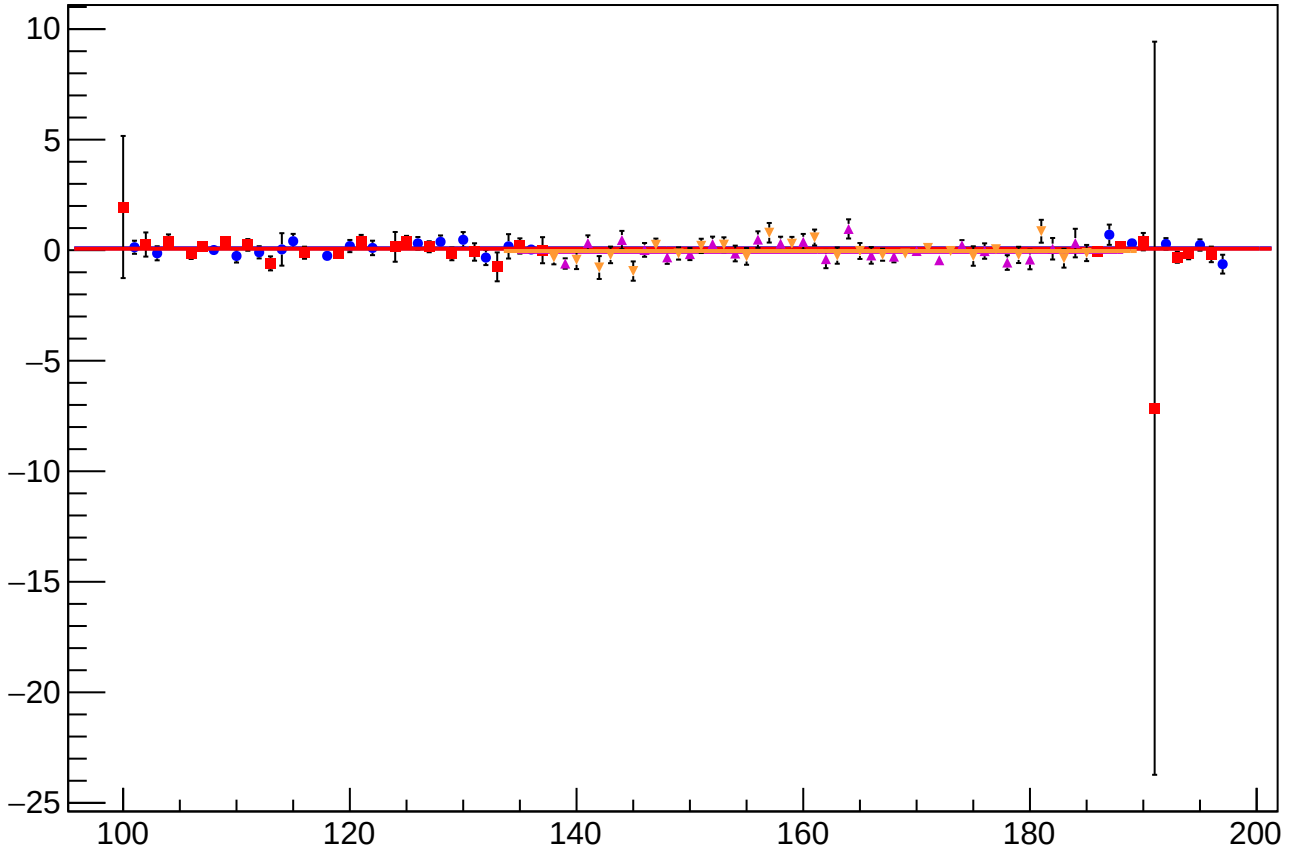
+ sign 0.000+/-0.000 χ^2/NDF: 63.5/45

All: 0.000+/-0.000 χ^2/NDF: 126.9/94

- sign 0.000+/-0.000 χ^2/NDF: 60.5/48


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: 0.009+/-0.000 χ²/NDF: 5977981.7/20
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.007+/-0.000 χ²/NDF: 7372257.8/25
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
+ sign 0.008+/-0.000 χ²/NDF: 13245139.4/45
All: 0.007+/-0.000 χ²/NDF: 27457171.7/94
- sign 0.007+/-0.000 χ²/NDF: 13888552.9/48

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.086+/-0.061 χ^2/NDF: 17.9/20

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.066+/-0.054 χ^2/NDF: 23.5/25

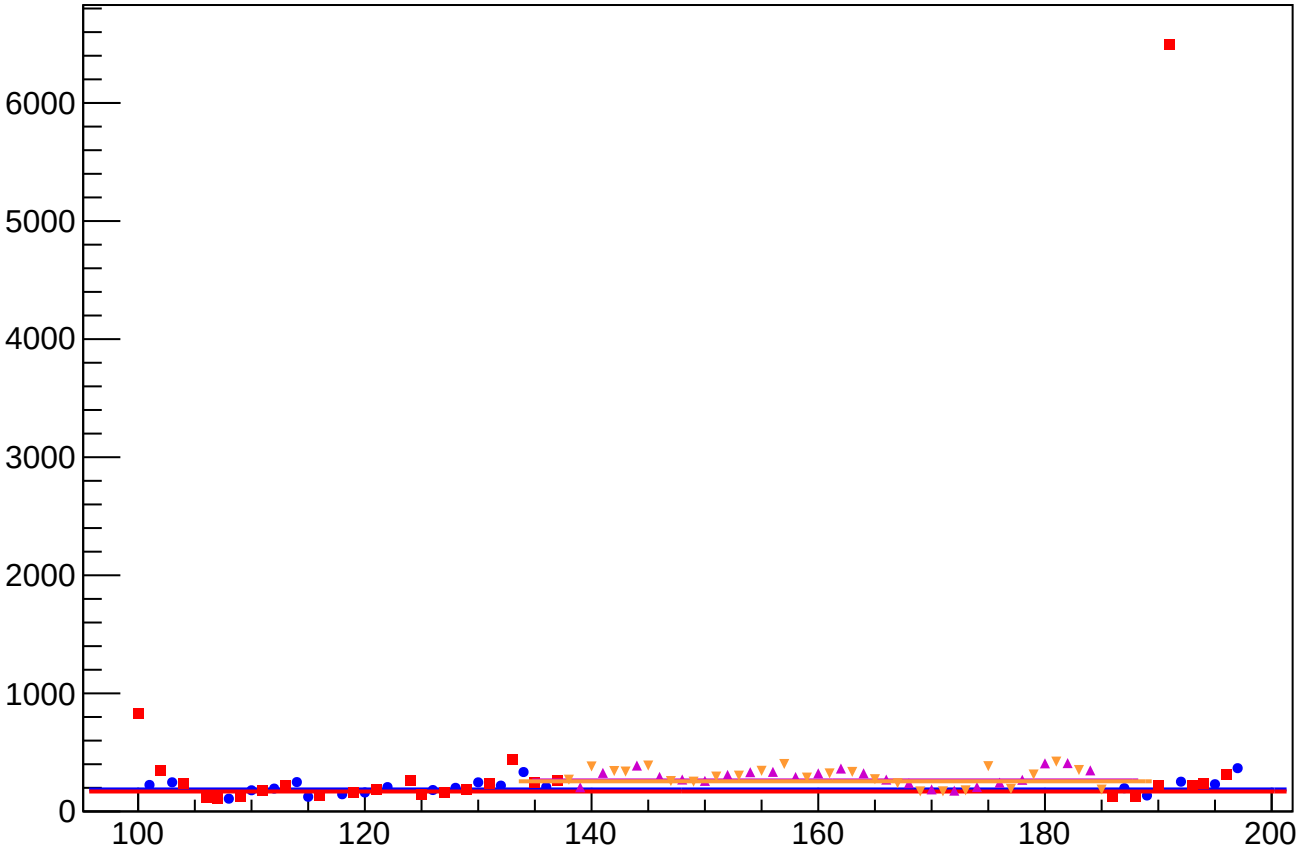
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.024+/-0.044 χ^2/NDF: 44.3/45

All: 0.015+/-0.030 χ^2/NDF: 101.8/94

- sign 0.007+/-0.042 χ^2/NDF: 57.4/48

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 186.423+/-0.043 χ^2/NDF: 1618935.3/20

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

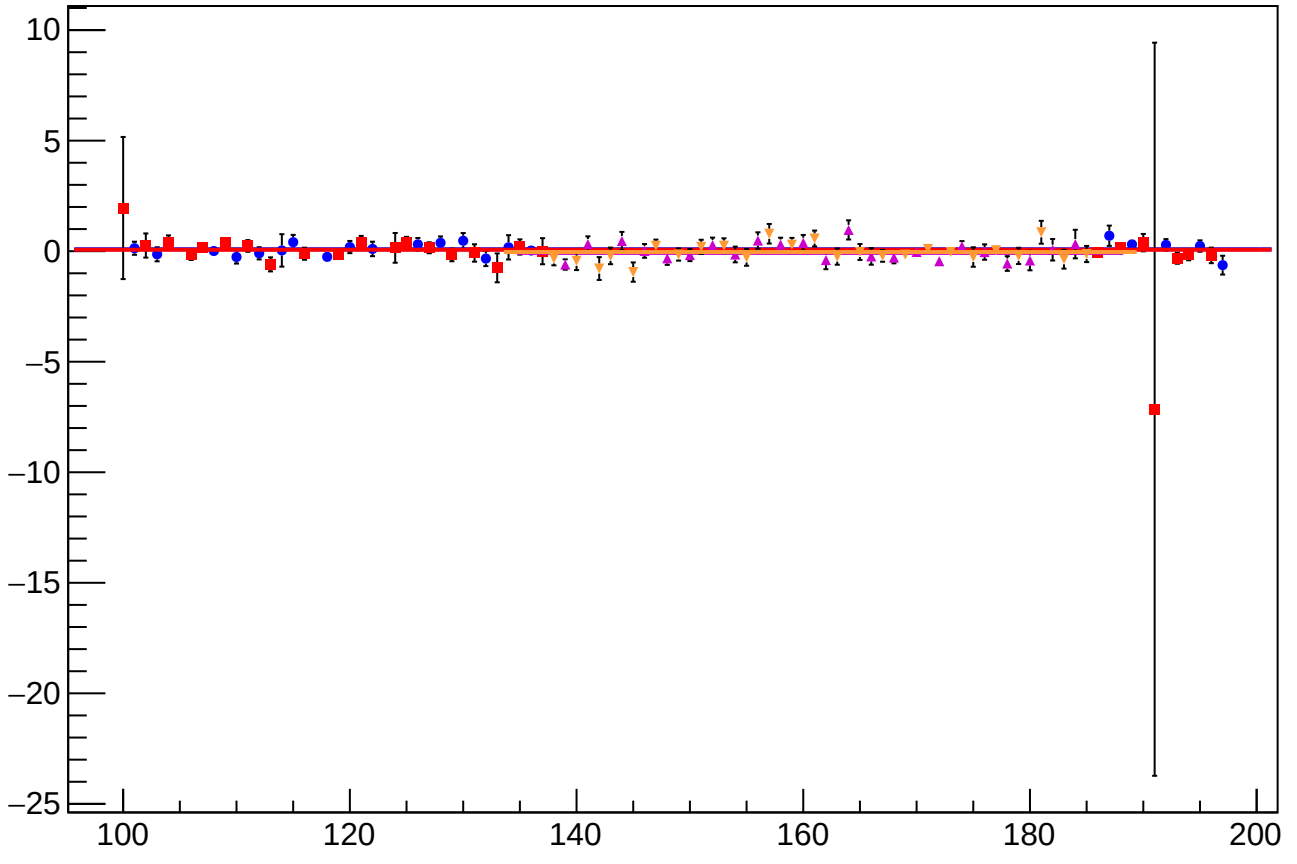
Right Out: 168.954+/-0.038 χ^2/NDF: 2552745.4/25

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 220.482+/-0.031 χ^2/NDF: 5808297.8/45

All: 213.653+/-0.021 χ^2/NDF: 12948269.9/94

- sign 207.430+/-0.029 χ^2/NDF: 7045876.3/48



Right In: 0.086+/-0.061 χ^2/NDF: 17.9/20

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.066+/-0.054 χ^2/NDF: 23.5/25

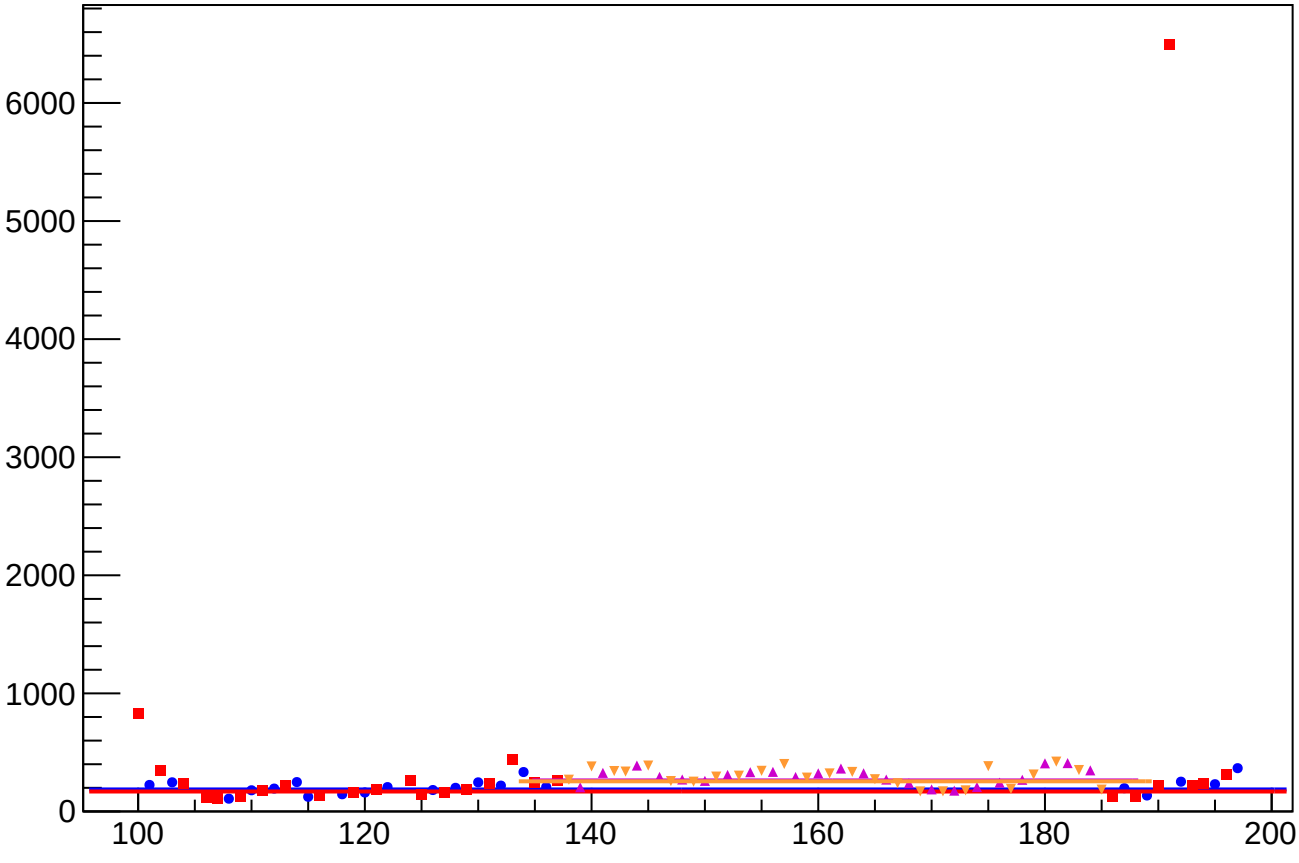
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.024+/-0.044 χ^2/NDF: 44.3/45

All: 0.015+/-0.030 χ^2/NDF: 101.8/94

- sign 0.007+/-0.042 χ^2/NDF: 57.4/48

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 186.423+/-0.043 χ^2/NDF: 1618935.3/20

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

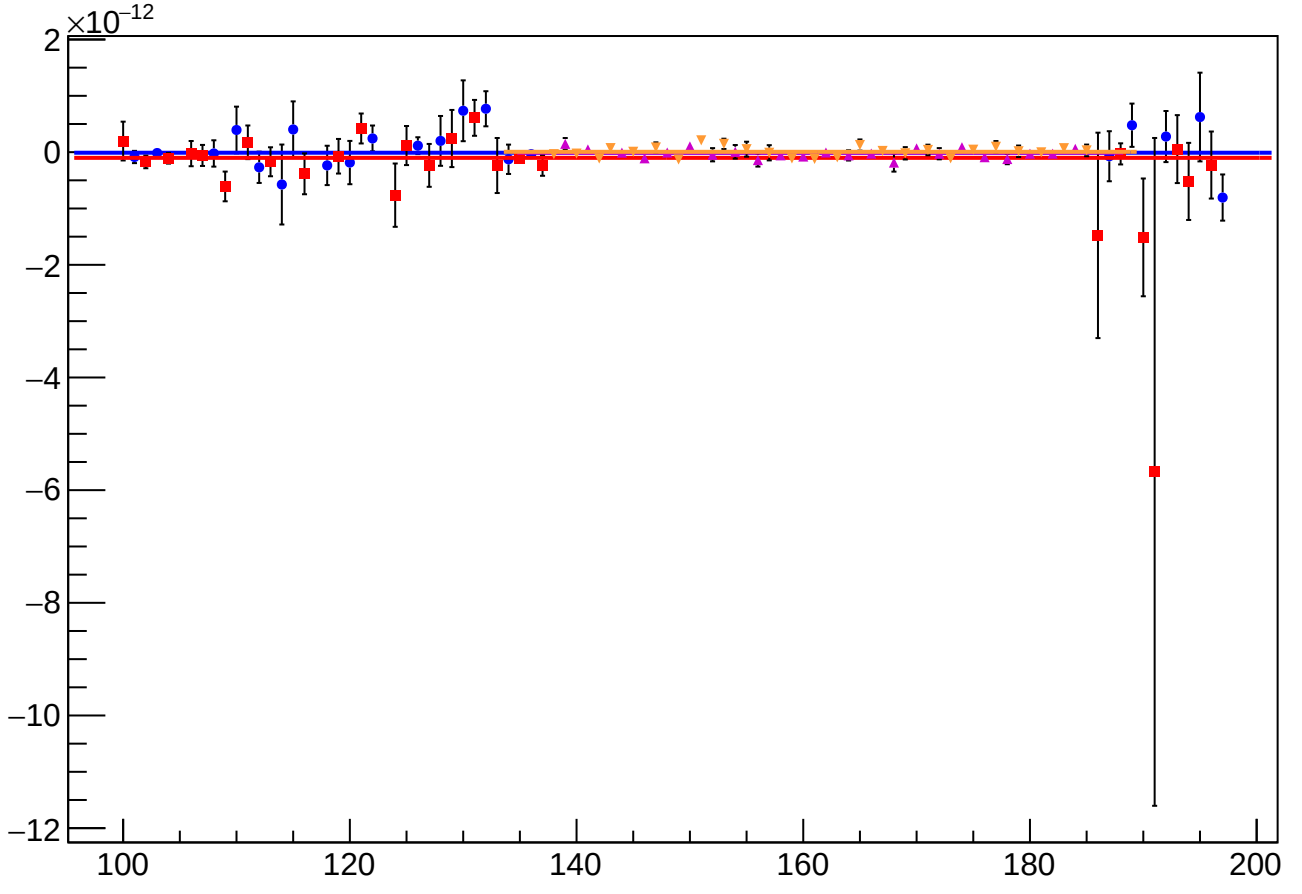
Right Out: 168.954+/-0.038 χ^2/NDF: 2552745.4/25

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 220.482+/-0.031 χ^2/NDF: 5808297.8/45

All: 213.653+/-0.021 χ^2/NDF: 12948269.9/94

- sign 207.430+/-0.029 χ^2/NDF: 7045876.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/25

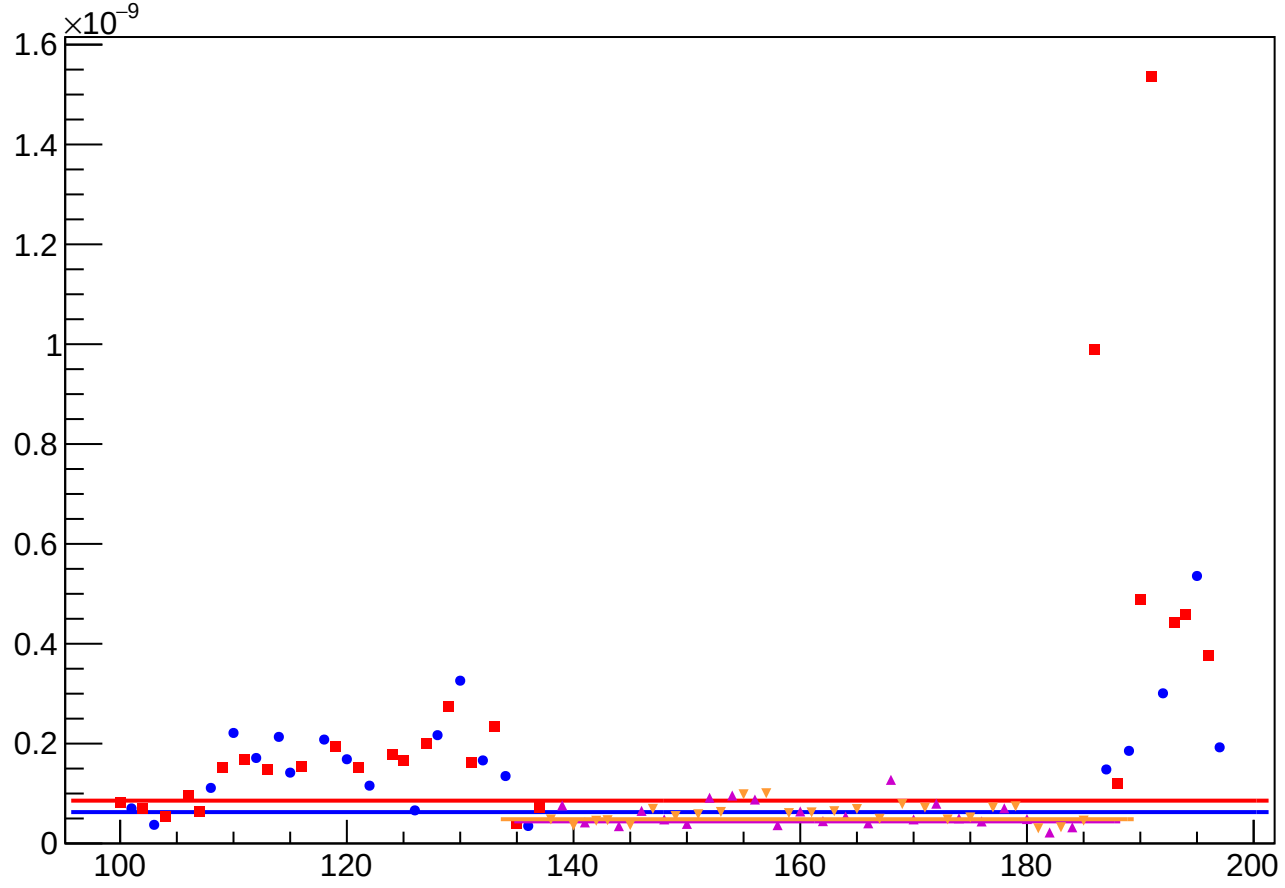
Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.2/45

All: -0.000+/-0.000 χ^2/NDF: 101.7/94

- sign -0.000+/-0.000 χ^2/NDF: 48.2/48

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5111709.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5542981.4/25

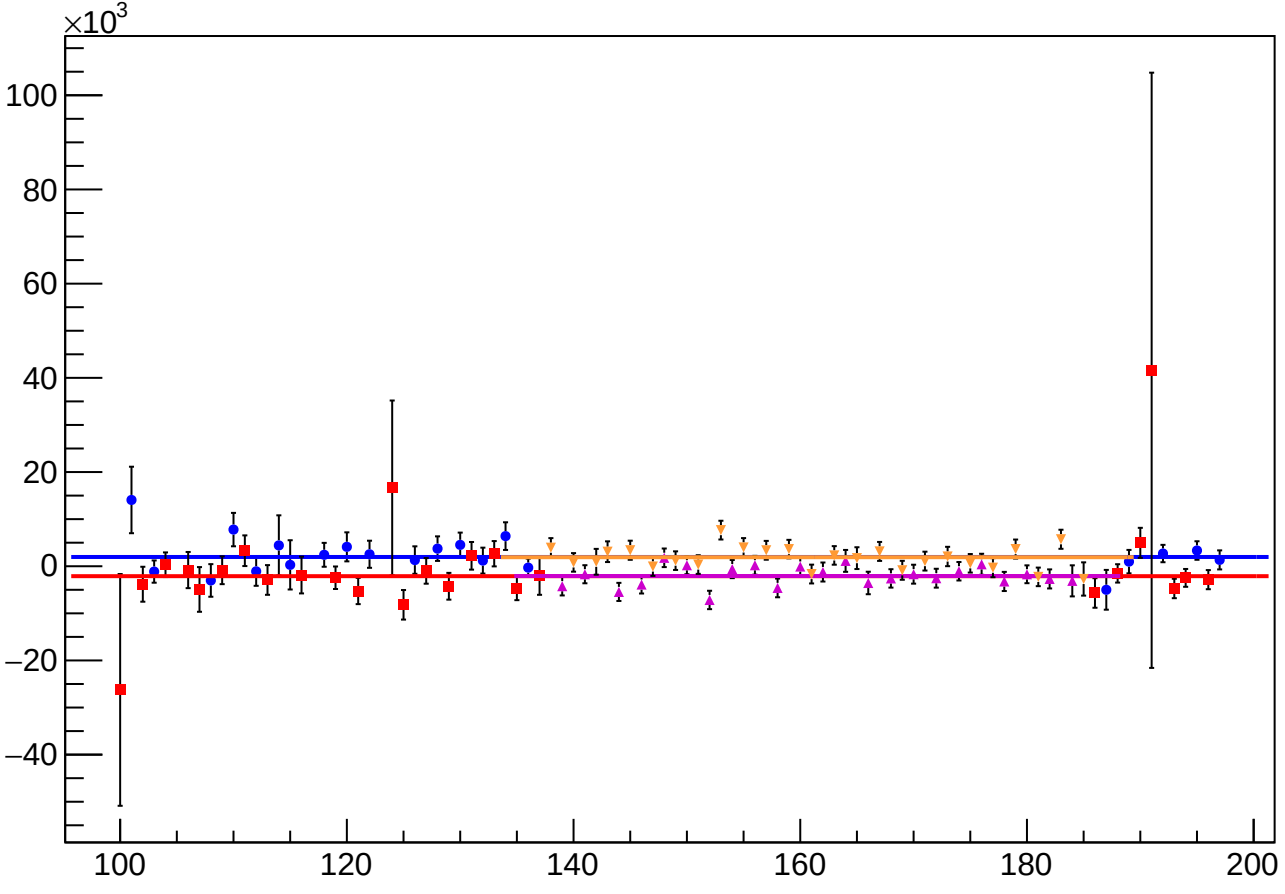
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7893616.5/45

All: 0.000+/-0.000 χ^2/NDF: 18948635.2/94

- sign 0.000+/-0.000 χ^2/NDF: 11028750.4/48

reg_asym_at1_avg_mean vs Slug



Right In: 1967.371+/-591.271 χ^2/NDF: 20.1/20

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2108.583+/-571.421 χ^2/NDF: 27.2/25

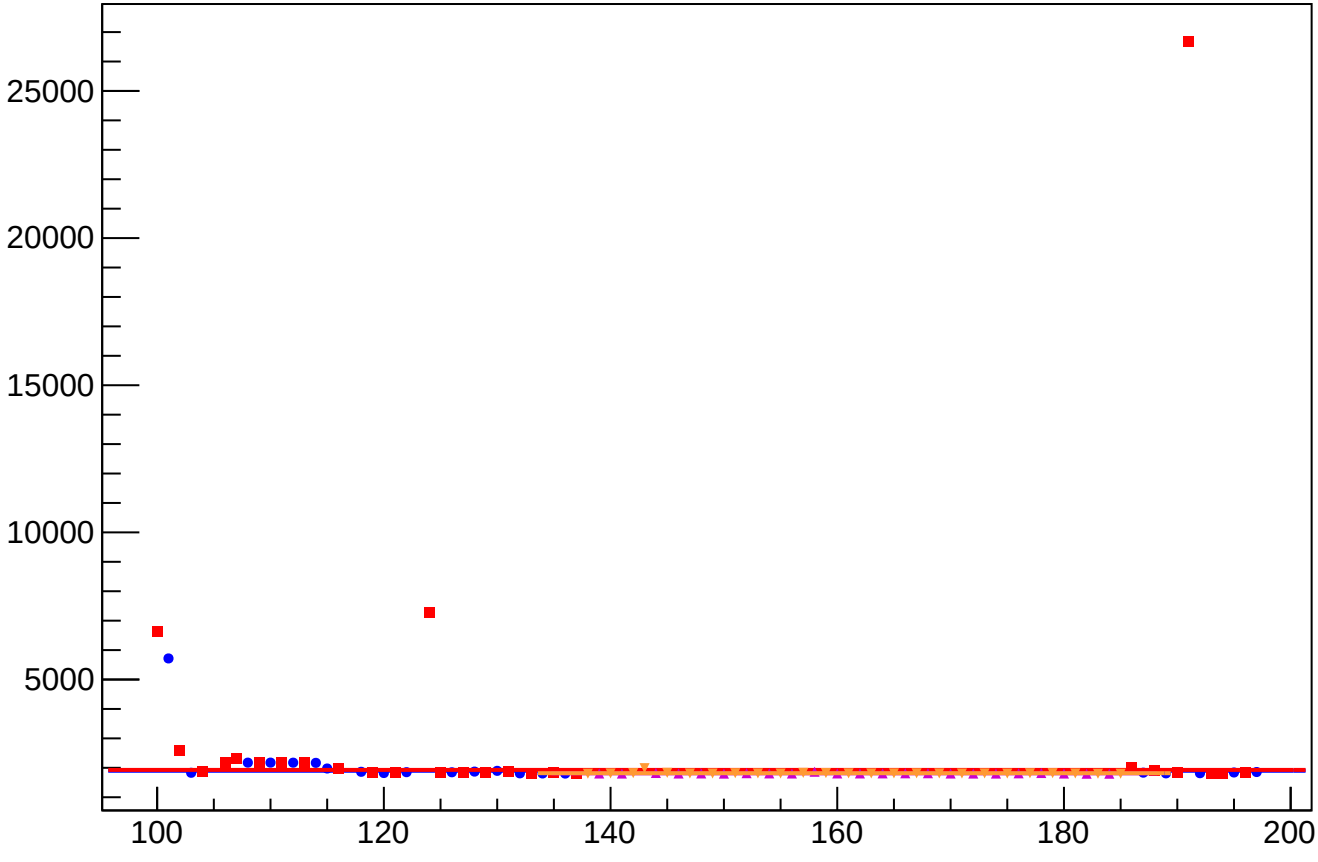
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1935.948+/-338.535 χ^2/NDF: 52.6/45

All: -66.011+/-239.928 χ^2/NDF: 176.6/94

- sign -2086.383+/-340.088 χ^2/NDF: 53.7/48

reg_asym_at1_avg_rms vs Slug



Right In: 1900.223+/-0.418 χ^2/NDF: 652959.2/20

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1928.754+/-0.404 χ^2/NDF: 715630.0/25

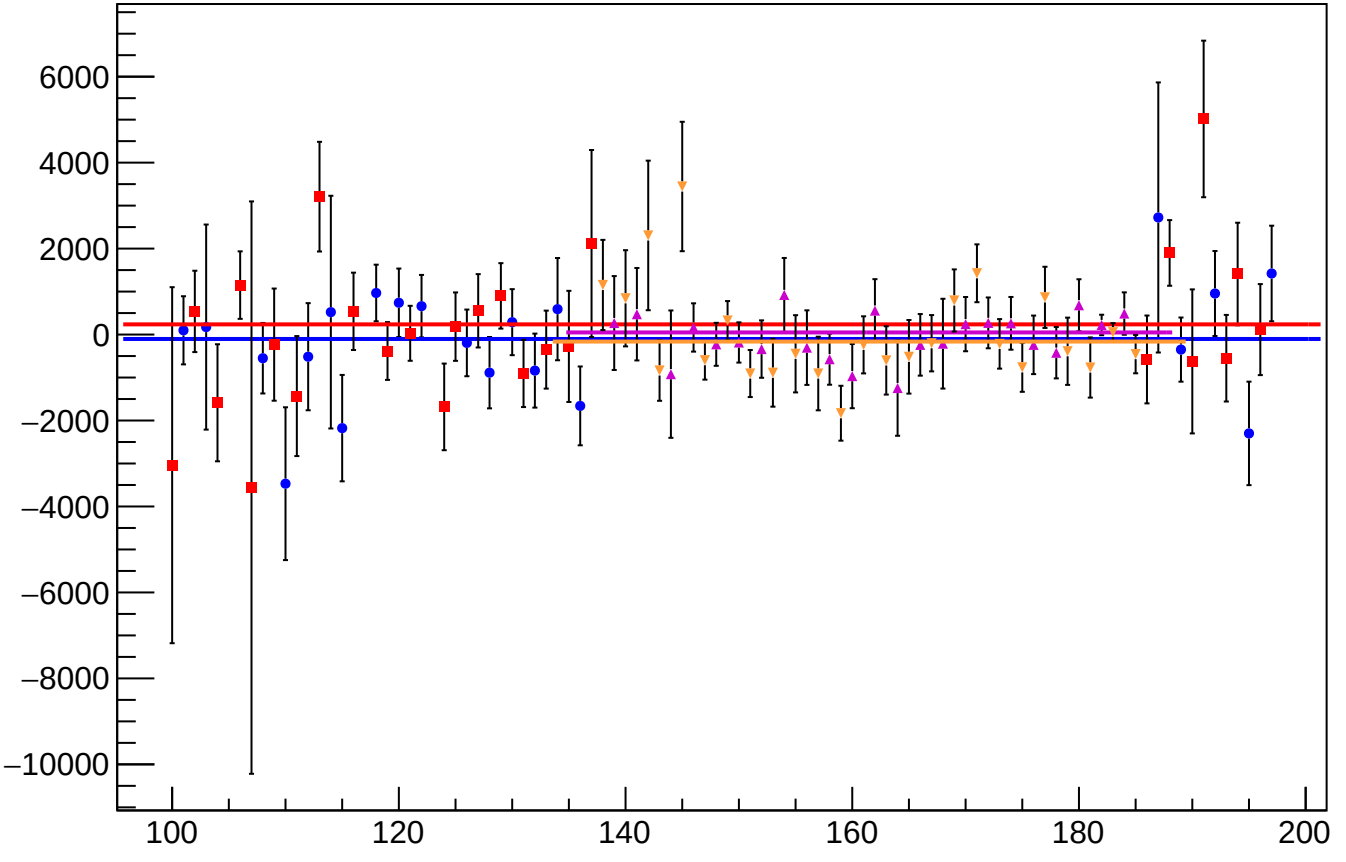
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.634+/-0.239 χ^2/NDF: 692213.6/45

All: 1849.151+/-0.170 χ^2/NDF: 1463989.5/94

- sign 1853.708+/-0.240 χ^2/NDF: 771060.8/48

asym_at1_avg_reg_correction_mean vs Slug



Right In: -102.687+/-207.388 χ^2/NDF: 24.2/20

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 237.099+/-195.380 χ^2/NDF: 34.3/25

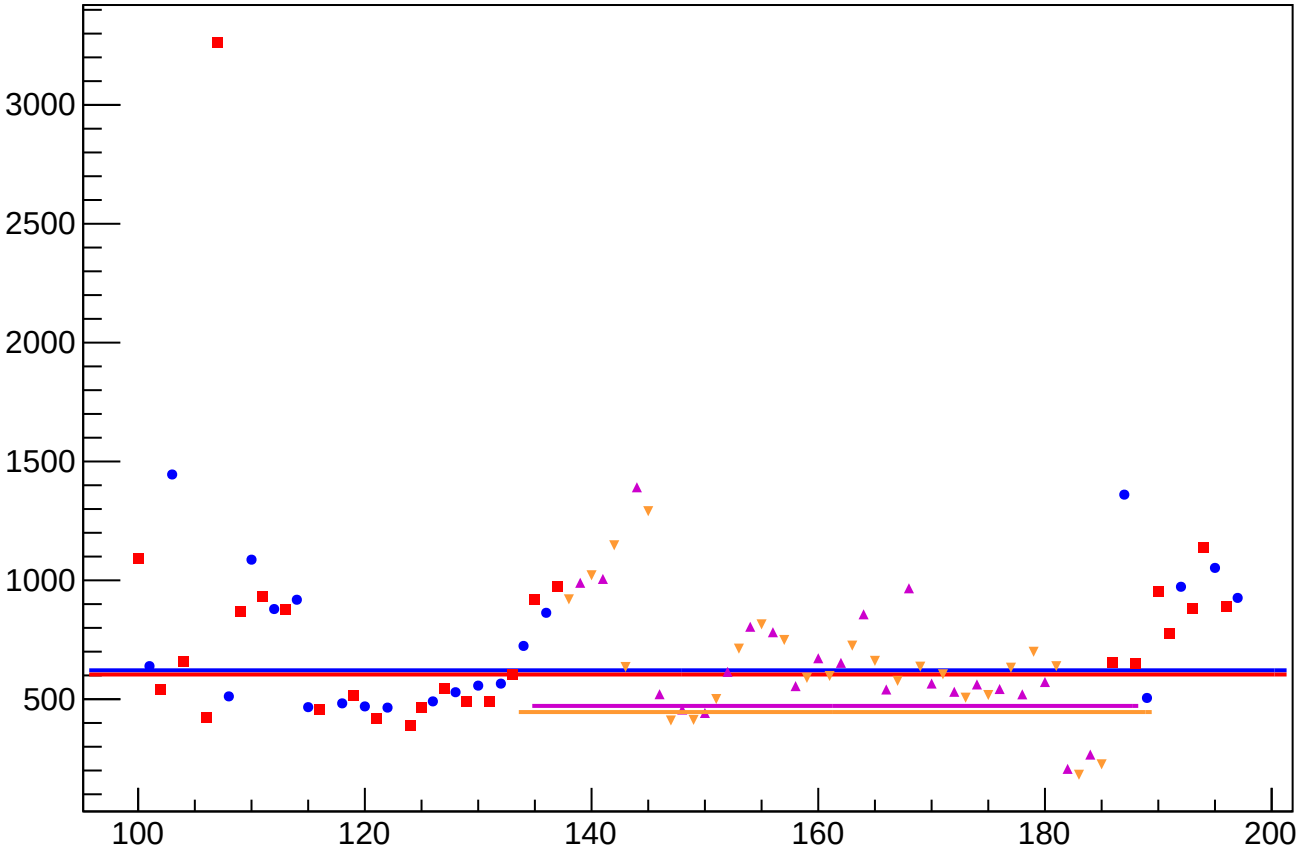
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

\+ sign -148.757+/-100.770 χ^2/NDF: 61.1/45

All: -27.021+/-72.337 χ^2/NDF: 110.4/94

\- sign 102.404+/-103.903 χ^2/NDF: 46.3/48

asym_at1_avg_reg_correction_rms vs Slug



Right In: 621.473+/-0.147 χ^2/NDF: 1884527.7/20

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 603.857+/-0.138 χ^2/NDF: 2241622.5/25

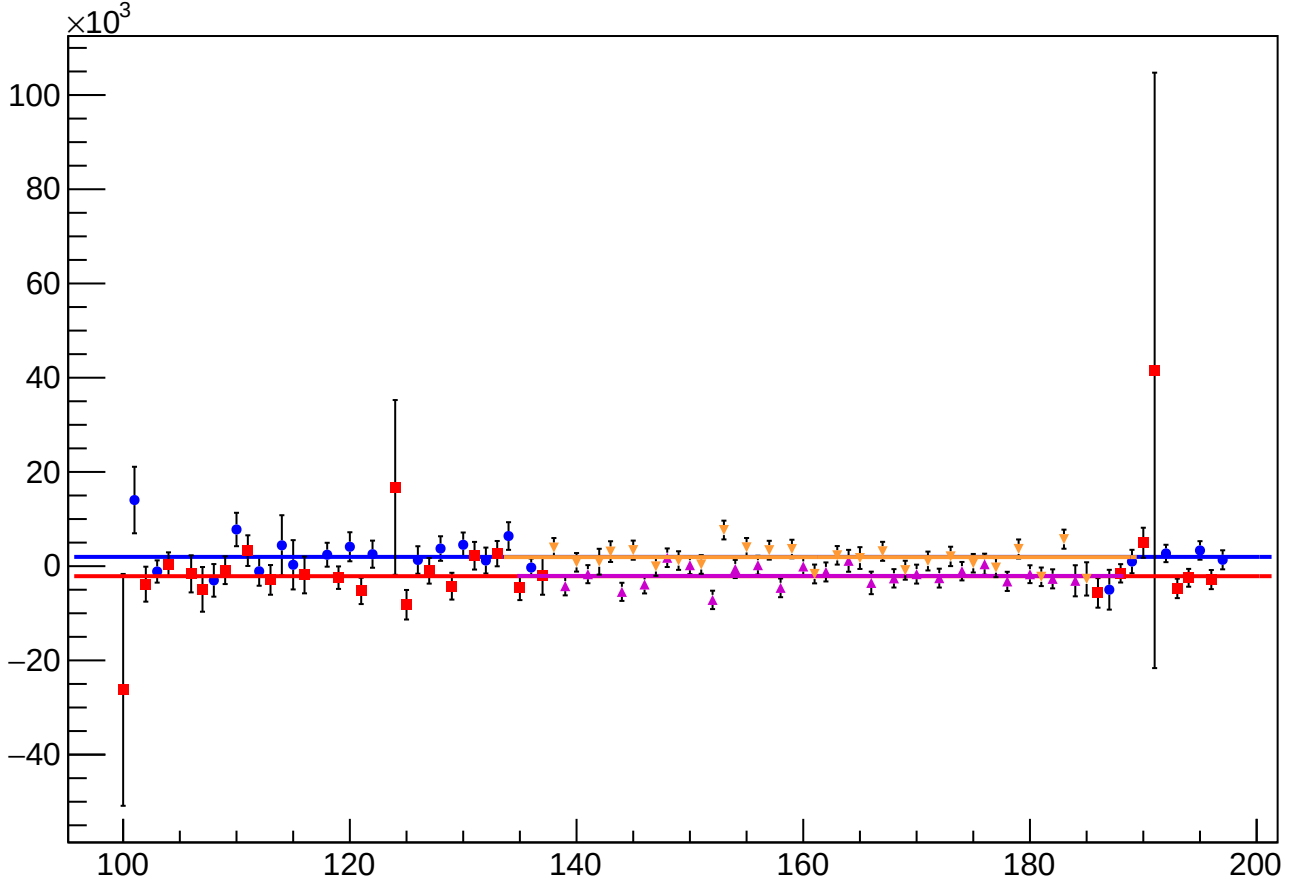
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 487.347+/-0.071 χ^2/NDF: 10962083.6/45

All: 497.895+/-0.051 χ^2/NDF: 20318636.0/94

- sign 509.108+/-0.073 χ^2/NDF: 9311346.4/48

cor_asym_at1_avg_mean vs Slug



Right In: 1967.183+/-591.271 χ^2/NDF: 20.1/20

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2127.438+/-571.724 χ^2/NDF: 27.1/25

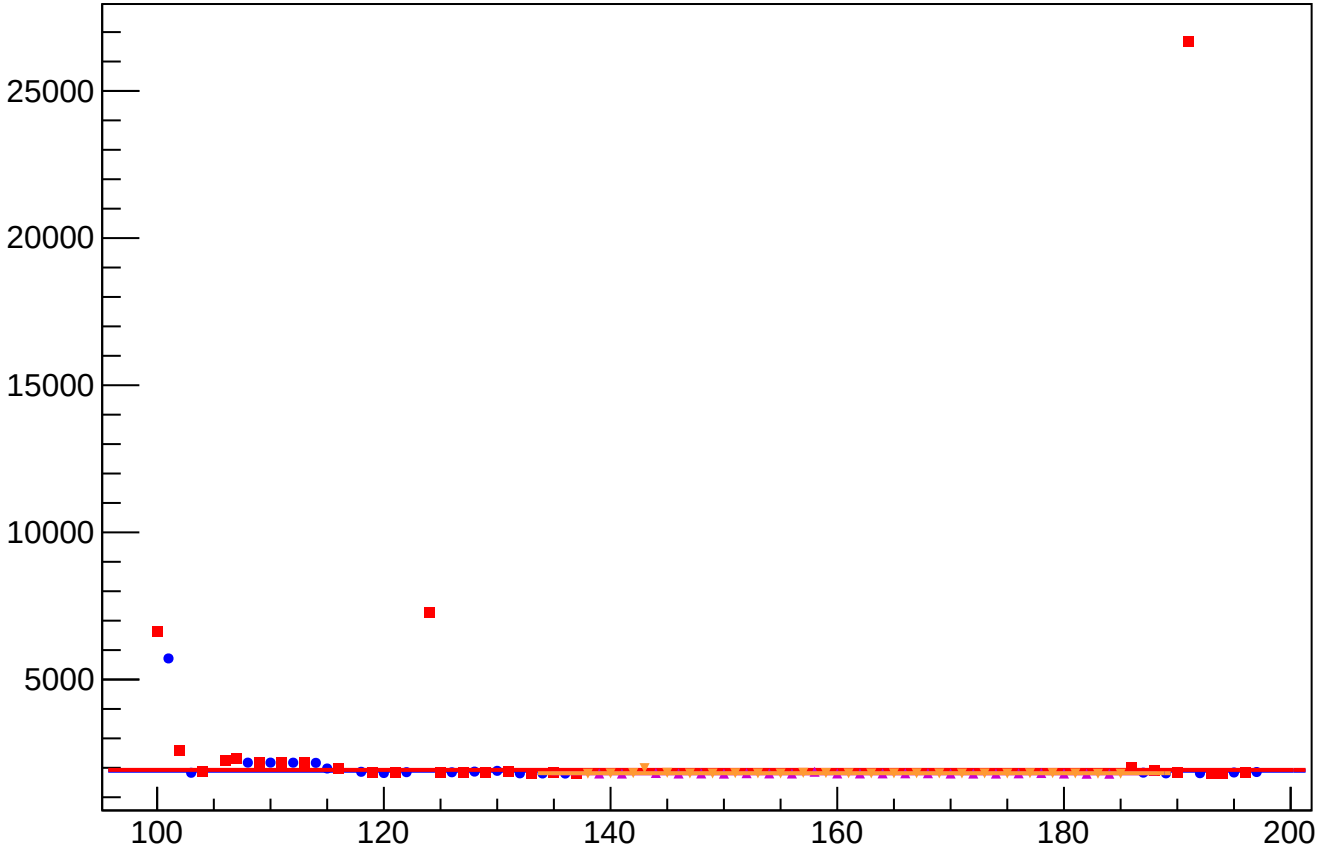
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1935.863+/-338.535 χ^2/NDF: 52.6/45

All: -69.027+/-239.950 χ^2/NDF: 176.7/94

- sign -2093.113+/-340.152 χ^2/NDF: 53.6/48

cor_asym_at1_avg_rms vs Slug



Right In: 1900.223+/-0.418 χ^2/NDF: 652959.2/20

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1929.546+/-0.404 χ^2/NDF: 718965.8/25

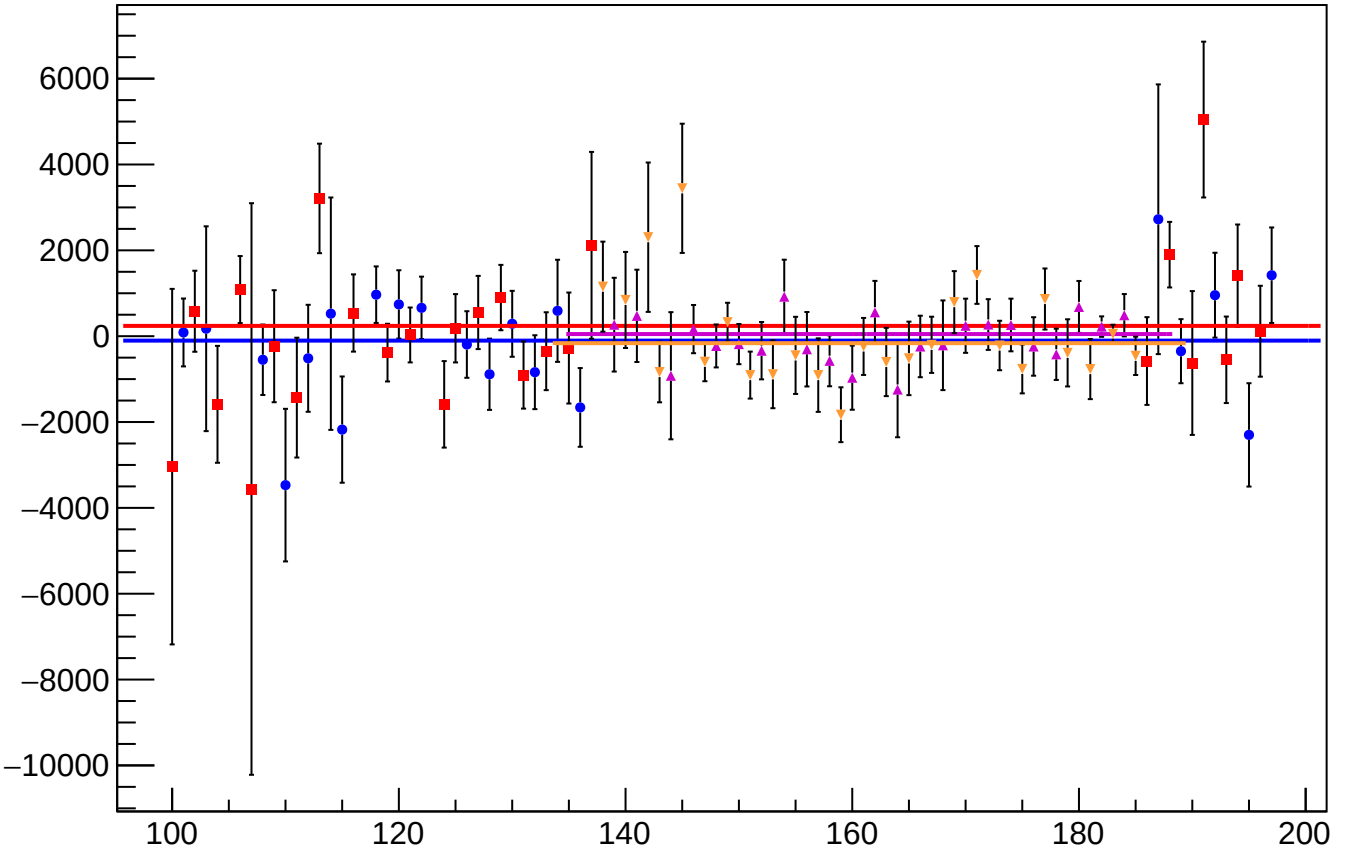
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.634+/-0.239 χ^2/NDF: 692213.5/45

All: 1849.275+/-0.170 χ^2/NDF: 1468058.7/94

- sign 1853.960+/-0.241 χ^2/NDF: 775089.9/48

asym_at1_avg_cor_correction_mean vs Slug



Right In: -103.360+/-207.352 χ^2/NDF: 24.2/20

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 239.747+/-195.278 χ^2/NDF: 34.0/25

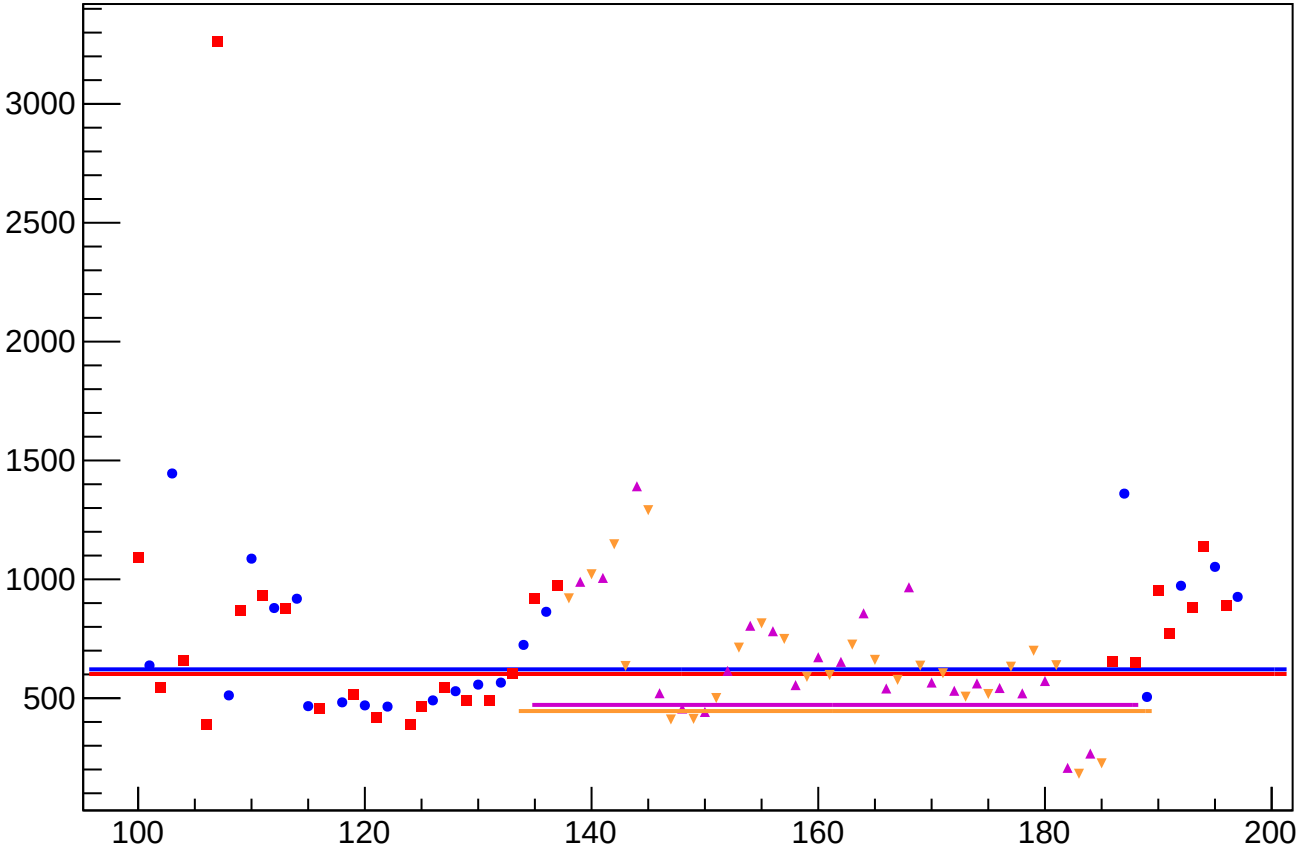
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -148.848+/-100.763 χ^2/NDF: 61.1/45

All: -26.669+/-72.330 χ^2/NDF: 110.1/94

- sign 103.210+/-103.889 χ^2/NDF: 46.0/48

asym_at1_avg_cor_correction_rms vs Slug



Right In: 621.386+/-0.147 χ^2/NDF: 1884448.9/20

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 601.772+/-0.138 χ^2/NDF: 2285039.3/25

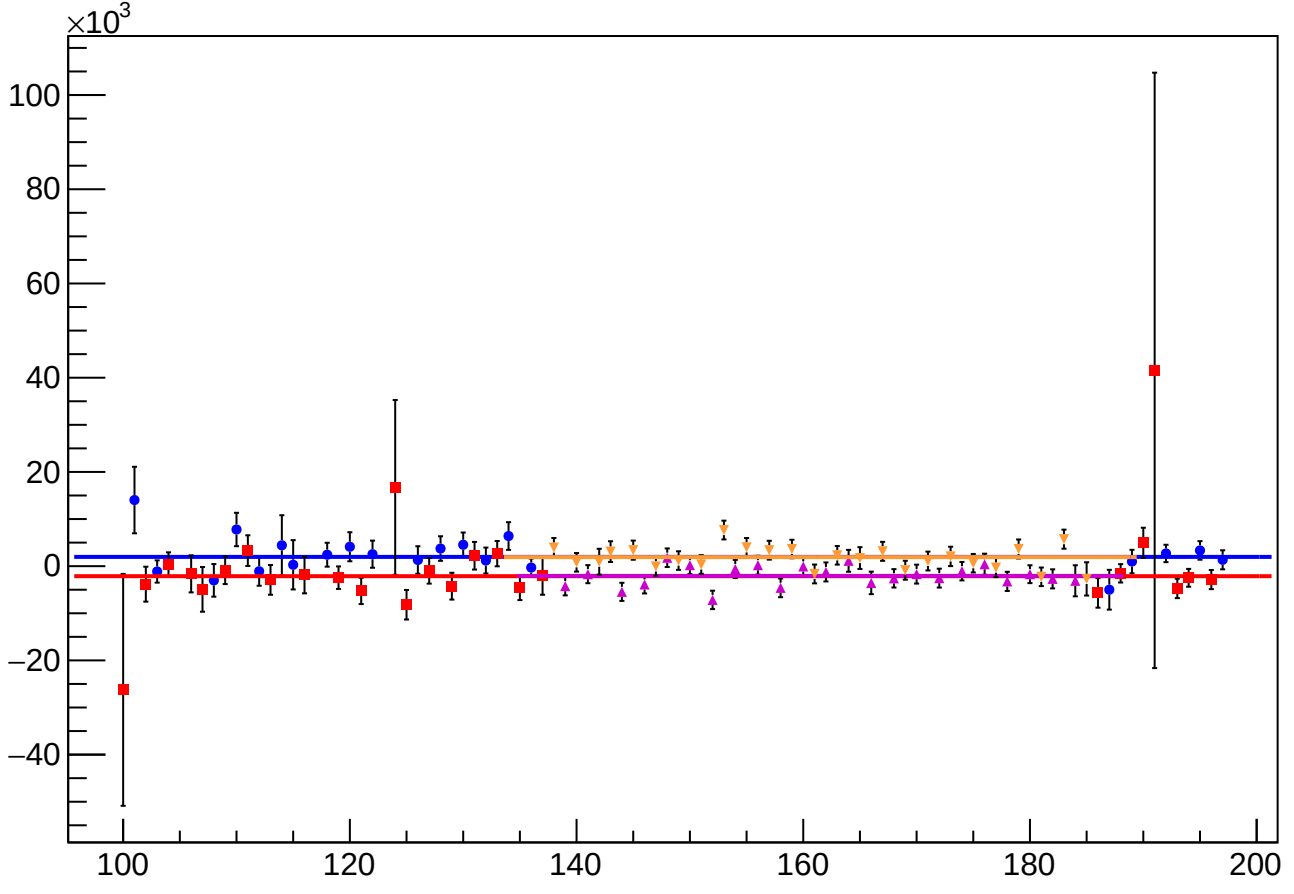
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 487.315+/-0.071 χ^2/NDF: 10962950.5/45

All: 497.611+/-0.051 χ^2/NDF: 20340390.9/94

- sign 508.556+/-0.073 χ^2/NDF: 9334363.5/48

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 1967.183+/-591.271 χ^2/NDF: 20.1/20

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2127.438+/-571.724 χ^2/NDF: 27.1/25

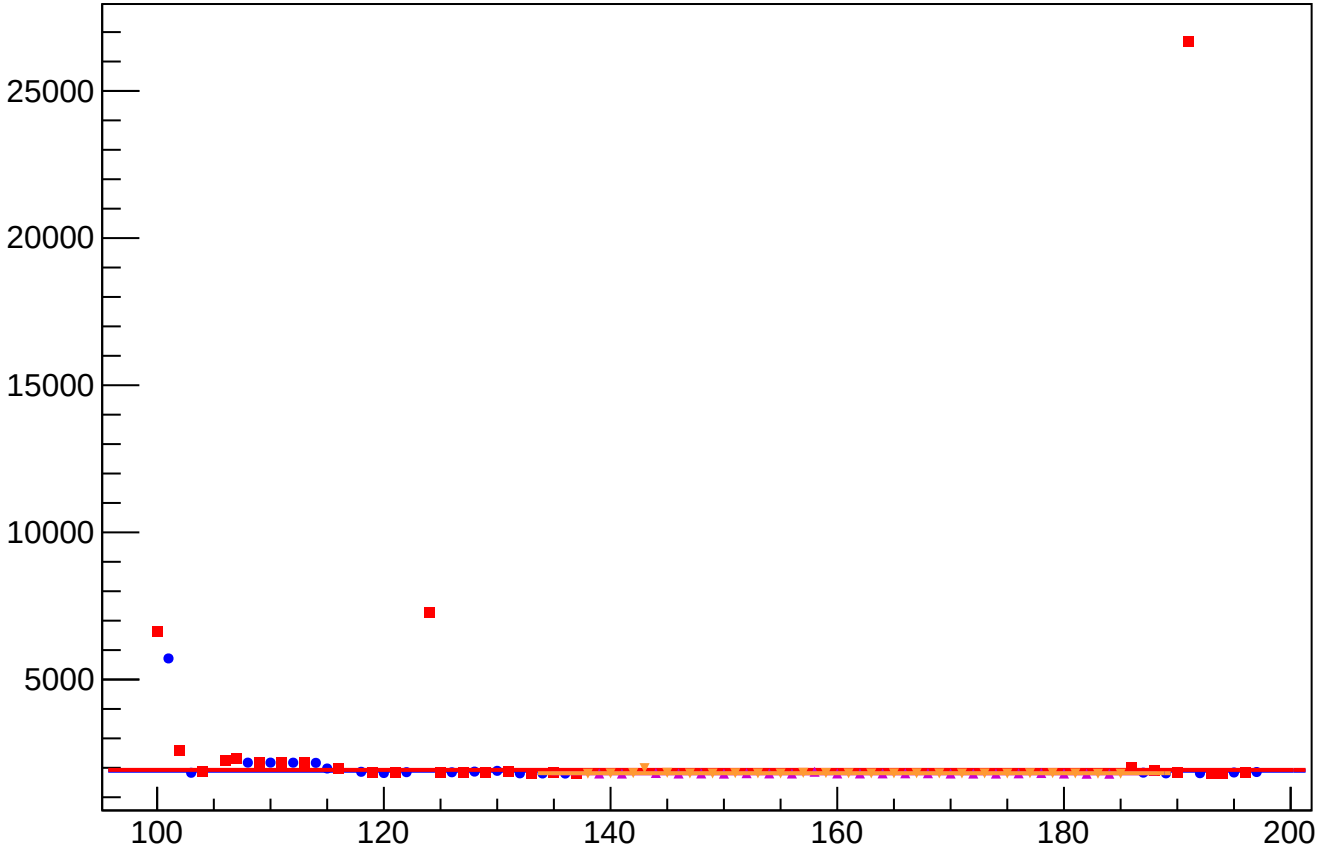
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1935.863+/-338.535 χ^2/NDF: 52.6/45

All: -69.027+/-239.950 χ^2/NDF: 176.7/94

- sign -2093.113+/-340.152 χ^2/NDF: 53.6/48

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1900.223+/-0.418 χ^2/NDF: 652959.2/20

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

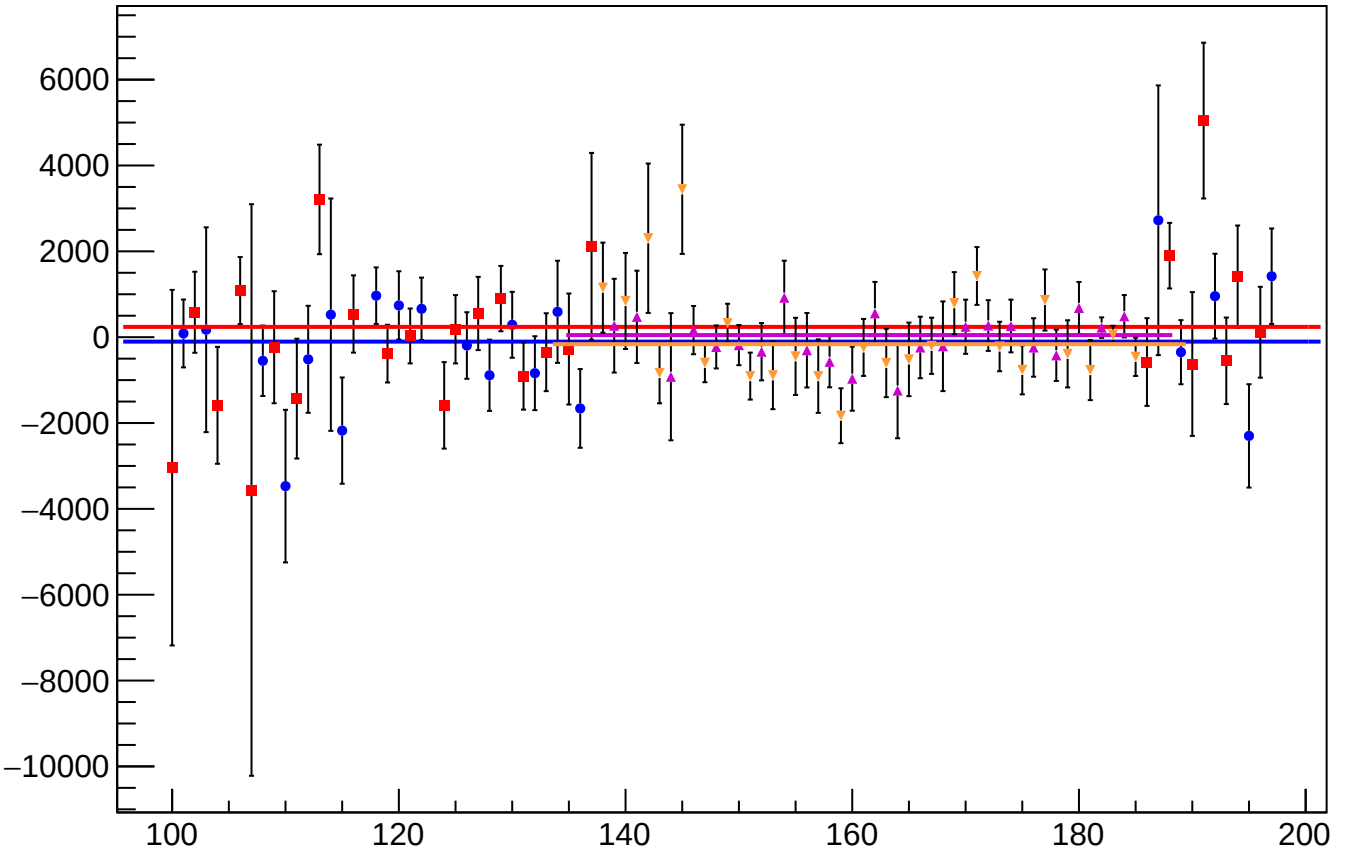
Right Out: 1929.546+/-0.404 χ^2/NDF: 718965.8/25

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.634+/-0.239 χ^2/NDF: 692213.5/45

All: 1849.275+/-0.170 χ^2/NDF: 1468058.7/94

- sign 1853.960+/-0.241 χ^2/NDF: 775089.9/48



Right In: -103.360+/-207.352 χ^2/NDF: 24.2/20

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 239.747+/-195.278 χ^2/NDF: 34.0/25

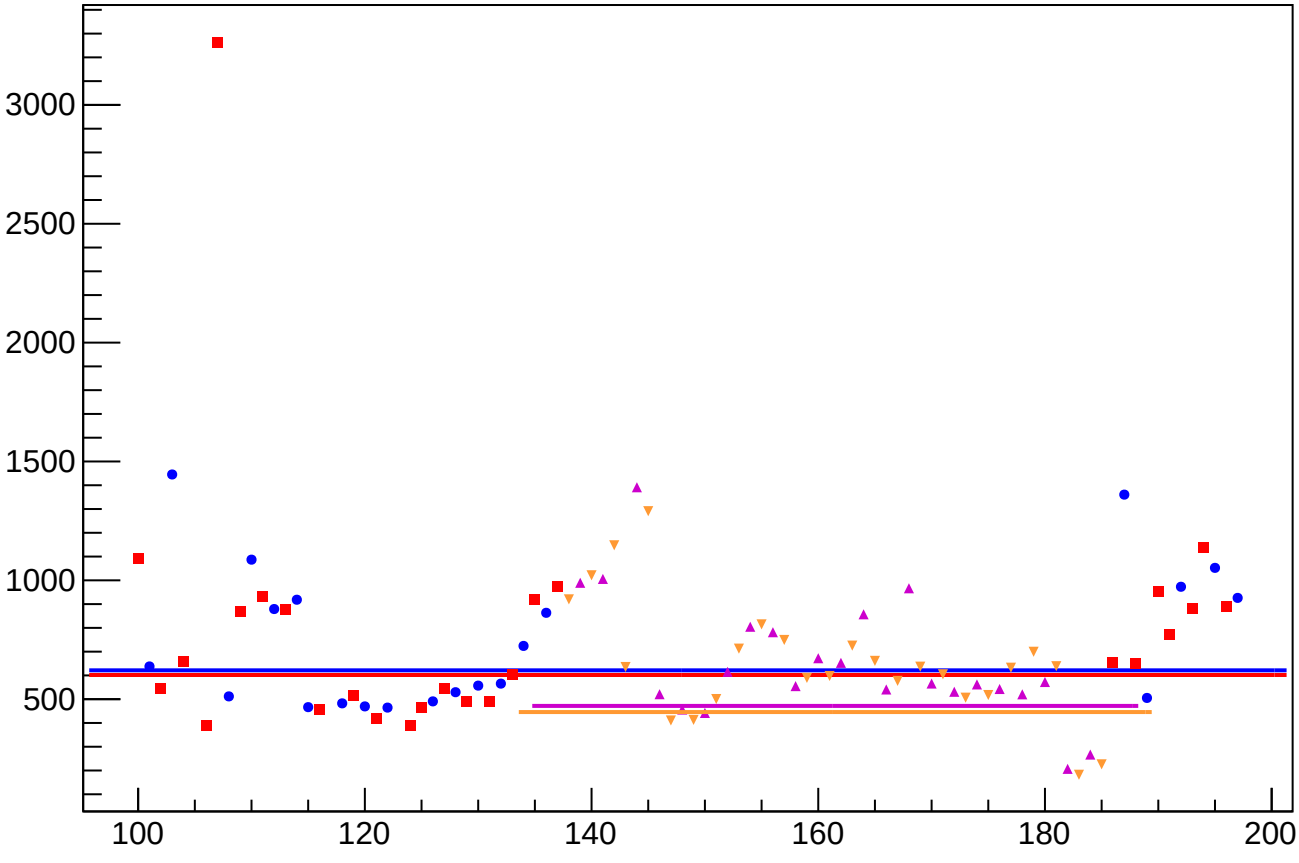
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -148.848+/-100.763 χ^2/NDF: 61.1/45

All: -26.669+/-72.330 χ^2/NDF: 110.1/94

- sign 103.210+/-103.889 χ^2/NDF: 46.0/48

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 621.386+/-0.147 χ^2/NDF: 1884448.9/20

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 601.772+/-0.138 χ^2/NDF: 2285039.3/25

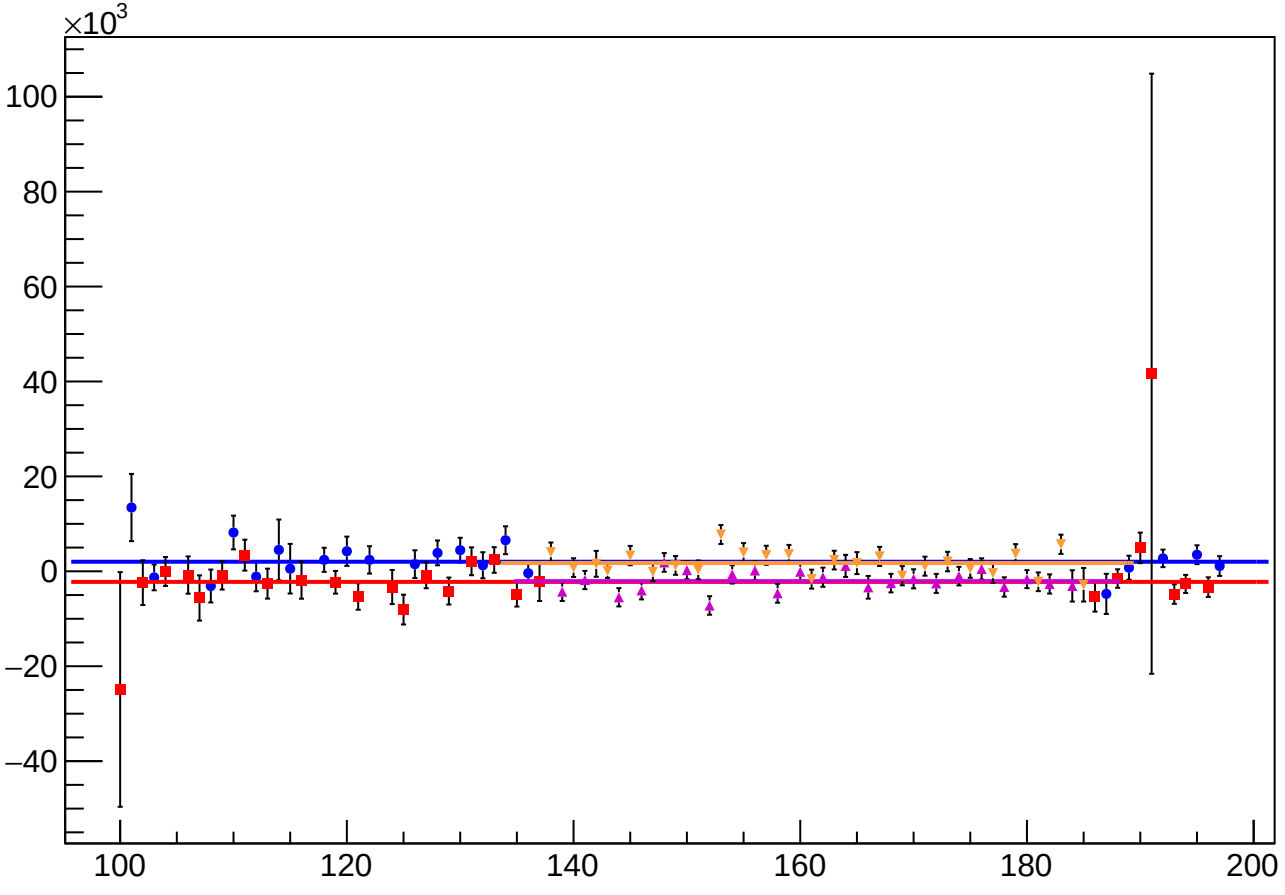
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 487.315+/-0.071 χ^2/NDF: 10962950.5/45

All: 497.611+/-0.051 χ^2/NDF: 20340390.9/94

- sign 508.556+/-0.073 χ^2/NDF: 9334363.5/48

dit_asym_at1_avg_mean vs Slug



Right In: 2017.661+/-599.320 χ^2/NDF: 20.2/20

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2224.630+/-573.026 χ^2/NDF: 25.3/25

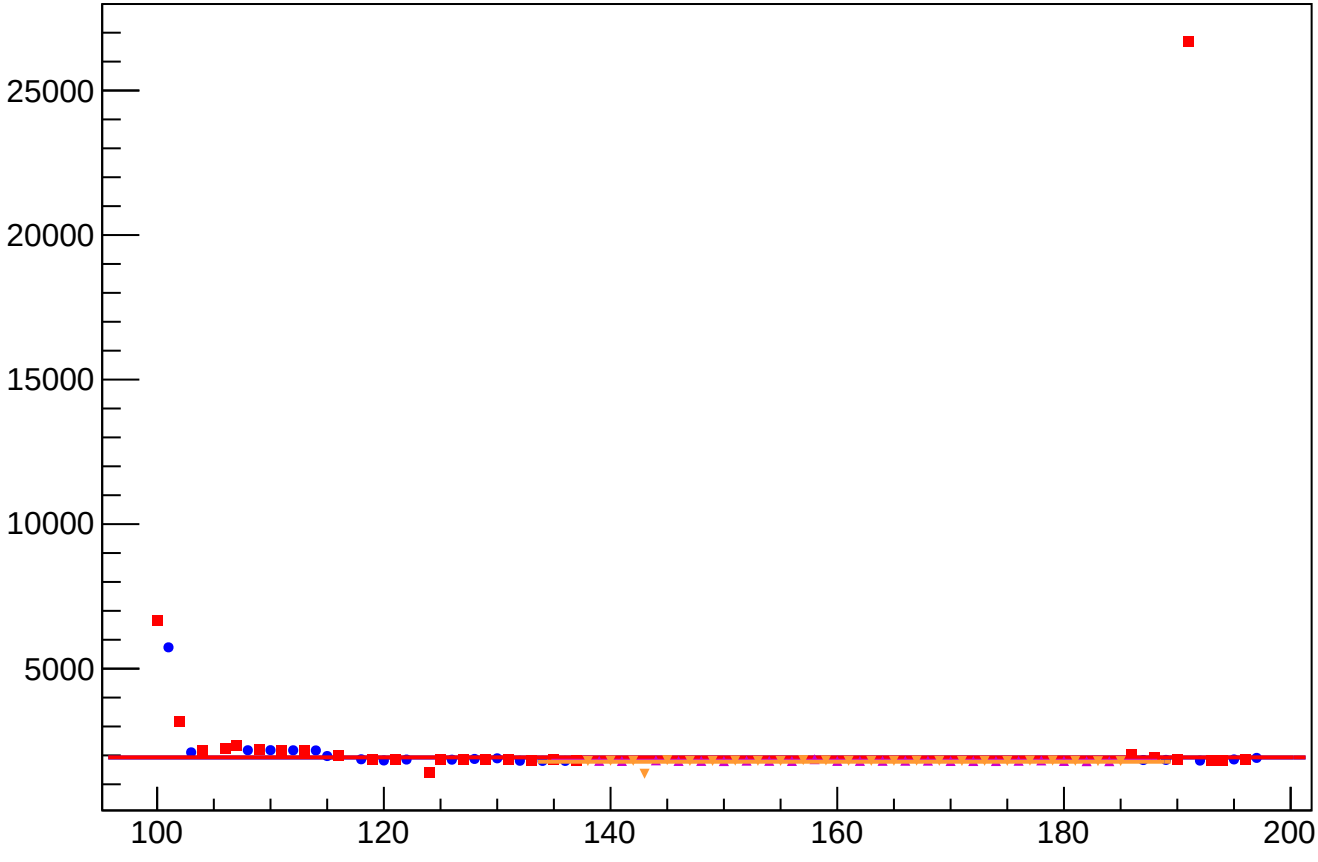
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1837.794+/-335.793 χ^2/NDF: 54.1/45

All: -116.030+/-239.143 χ^2/NDF: 175.2/94

- sign -2126.873+/-340.657 χ^2/NDF: 52.3/48

dit_asym_at1_avg_rms vs Slug



Right In: 1925.549+/-0.424 χ^2/NDF: 657129.5/20

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1932.177+/-0.405 χ^2/NDF: 678180.8/25

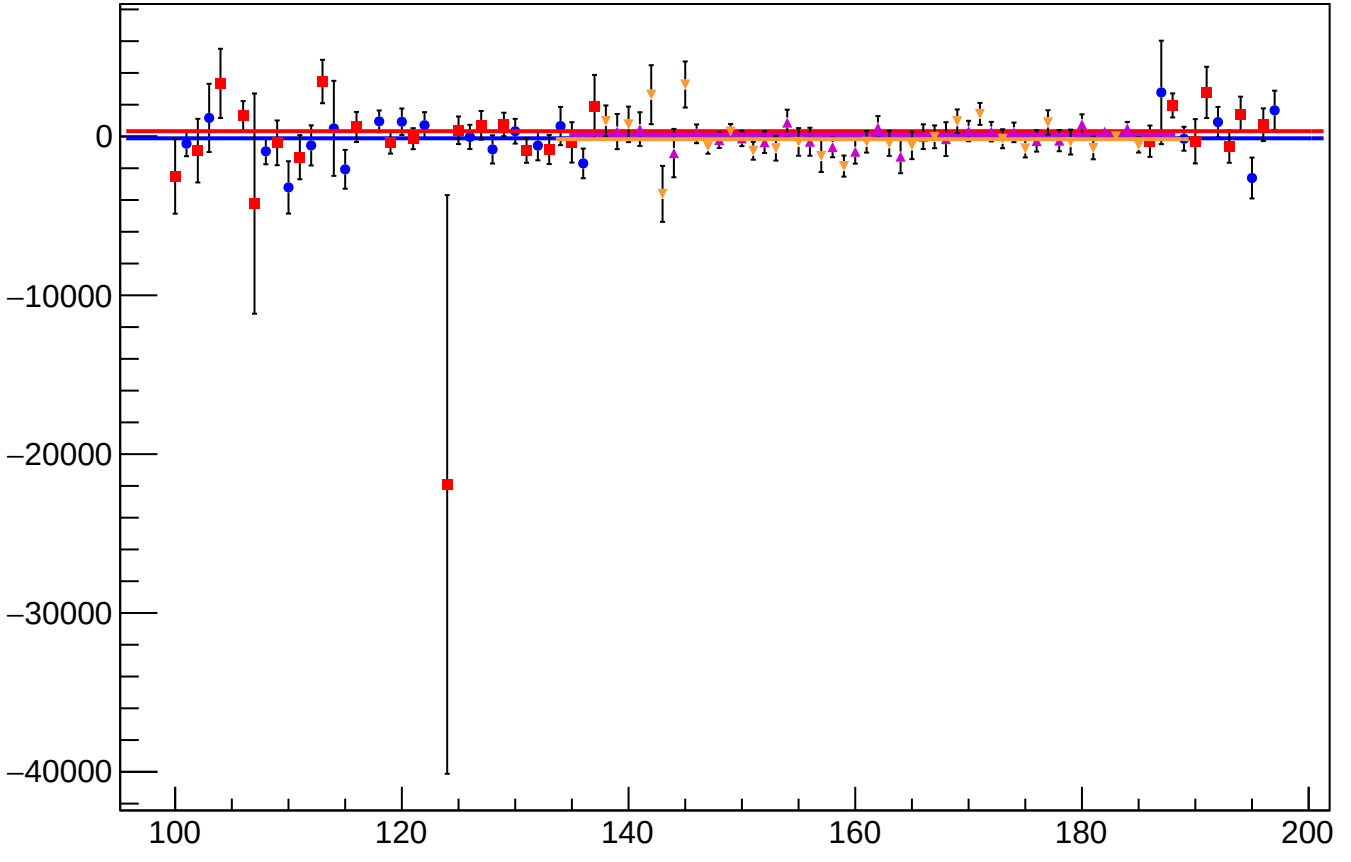
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.318+/-0.237 χ^2/NDF: 901982.6/45

All: 1840.968+/-0.169 χ^2/NDF: 1644581.3/94

- sign 1856.047+/-0.241 χ^2/NDF: 734873.3/48

asym_at1_avg_dit_correction_mean vs Slug



Right In: -115.371+/-213.064 χ^2/NDF: 25.0/20

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 332.234+/-206.971 χ^2/NDF: 30.2/25

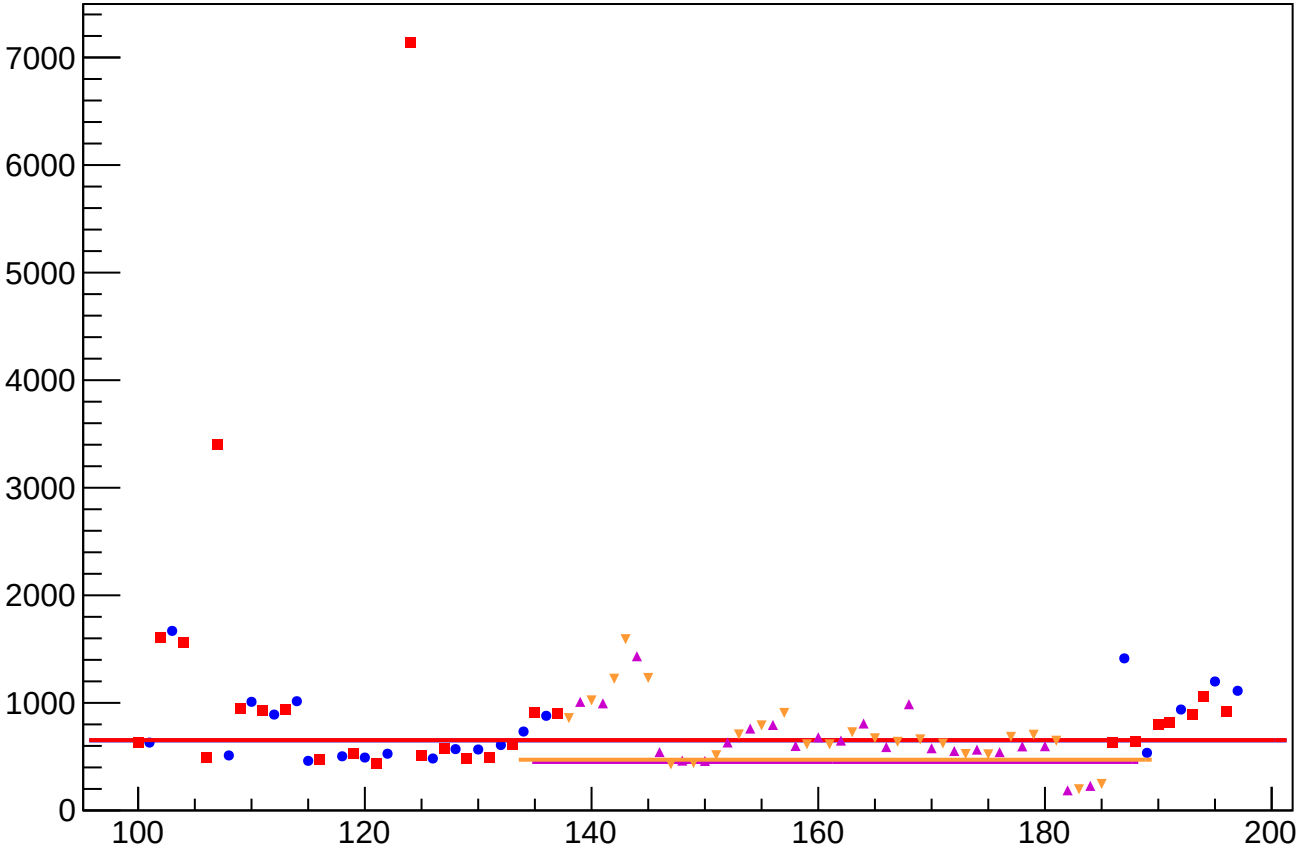
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

\+ sign -154.996+/-105.629 χ^2/NDF: 63.4/45

All: 11.139+/-73.987 χ^2/NDF: 111.5/94

\- sign 171.153+/-103.665 χ^2/NDF: 43.3/48

asym_at1_avg_dit_correction_rms vs Slug



Right In: 651.209+/-0.151 χ^2/NDF: 2215634.1/20

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 653.857+/-0.146 χ^2/NDF: 2977212.6/25

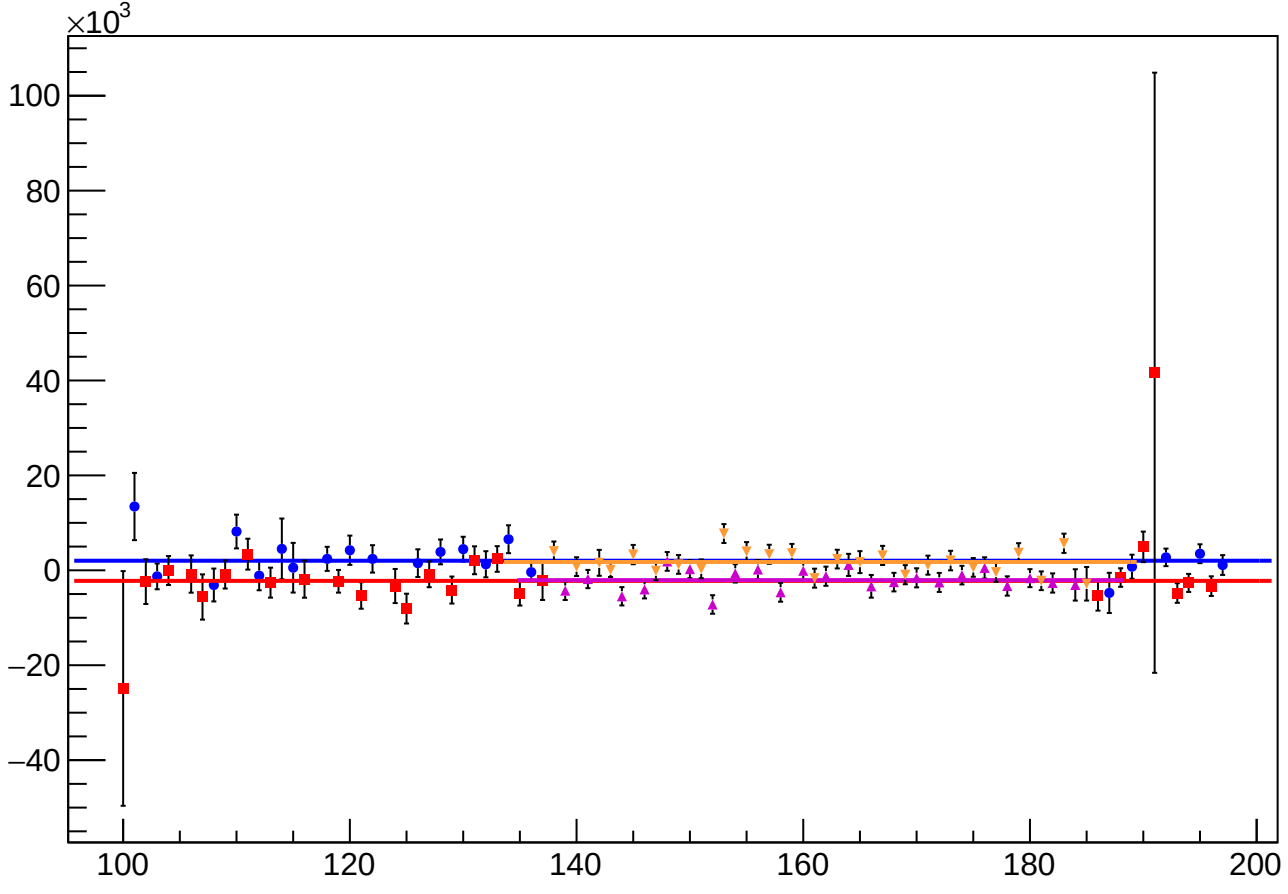
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 515.878+/-0.075 χ^2/NDF: 11398117.9/45

All: 508.620+/-0.052 χ^2/NDF: 23766433.6/94

- sign 501.630+/-0.073 χ^2/NDF: 12349779.3/48

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2017.659+/-599.320 χ^2/NDF: 20.2/20

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2224.628+/-573.026 χ^2/NDF: 25.3/25

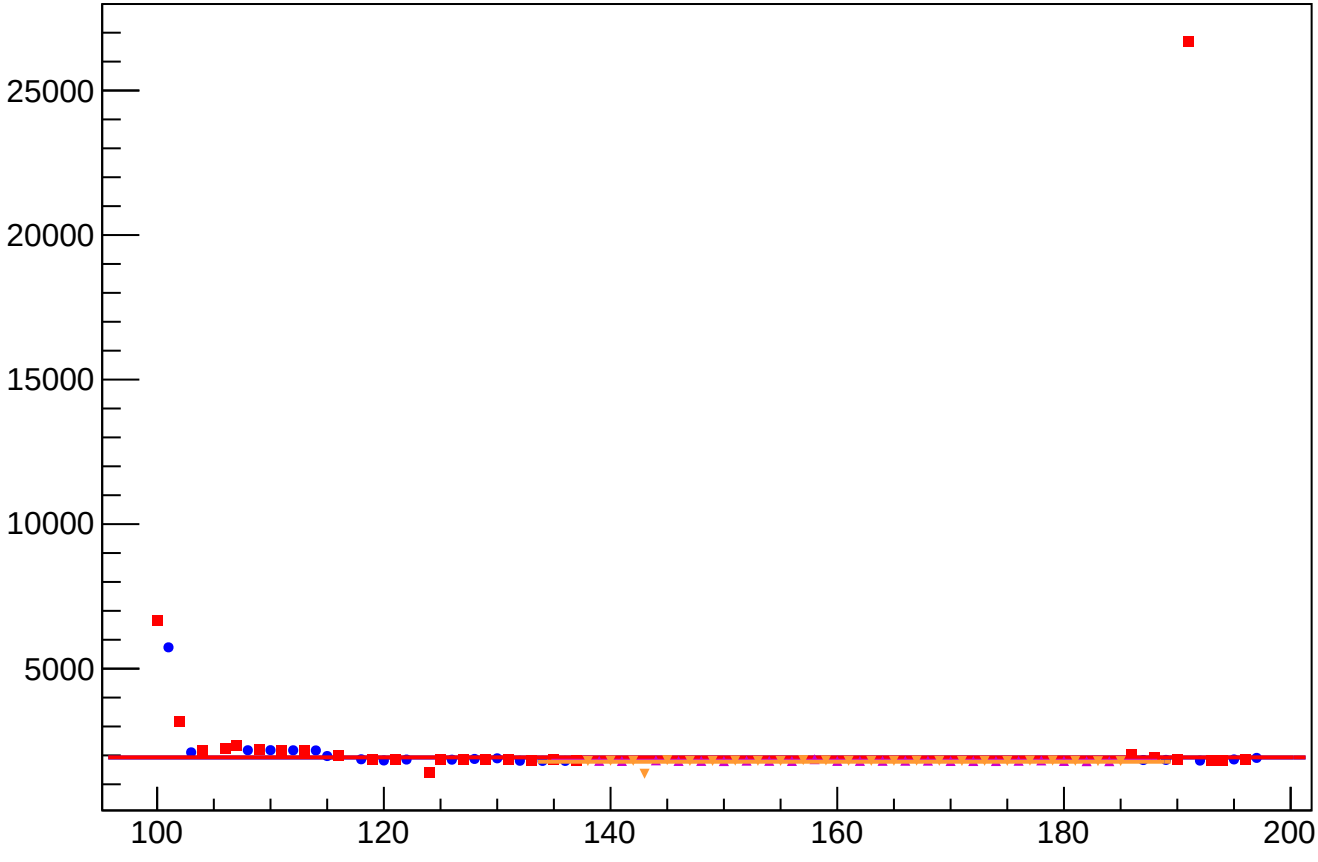
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1837.794+/-335.793 χ^2/NDF: 54.1/45

All: -116.029+/-239.143 χ^2/NDF: 175.2/94

- sign -2126.873+/-340.657 χ^2/NDF: 52.3/48

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1925.548+/-0.424 χ^2/NDF: 657129.1/20

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1932.177+/-0.405 χ^2/NDF: 678179.4/25

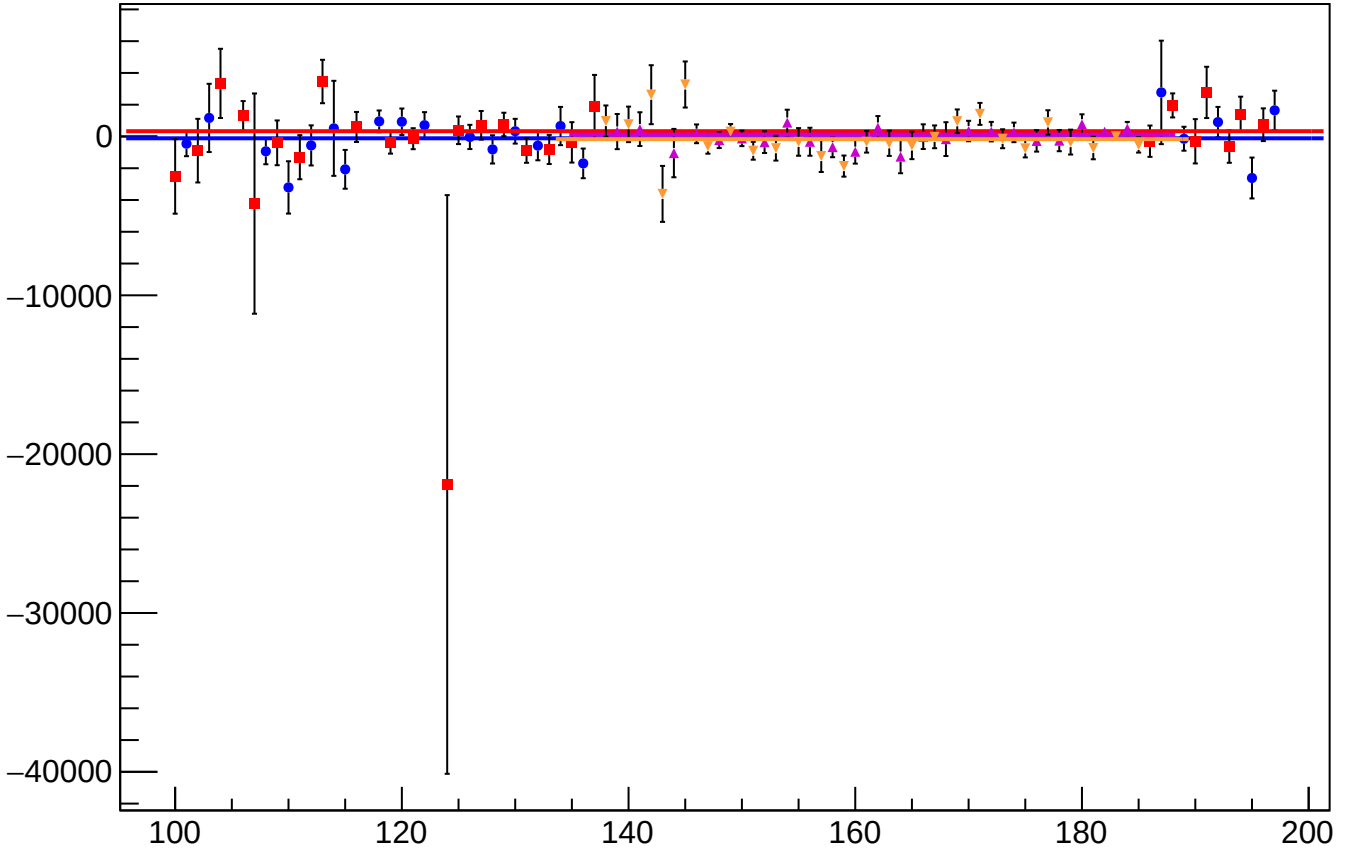
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.318+/-0.237 χ^2/NDF: 901982.0/45

All: 1840.968+/-0.169 χ^2/NDF: 1644579.2/94

- sign 1856.047+/-0.241 χ^2/NDF: 734871.8/48

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -115.371+/-213.064 χ^2/NDF: 25.0/20

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 332.234+/-206.971 χ^2/NDF: 30.2/25

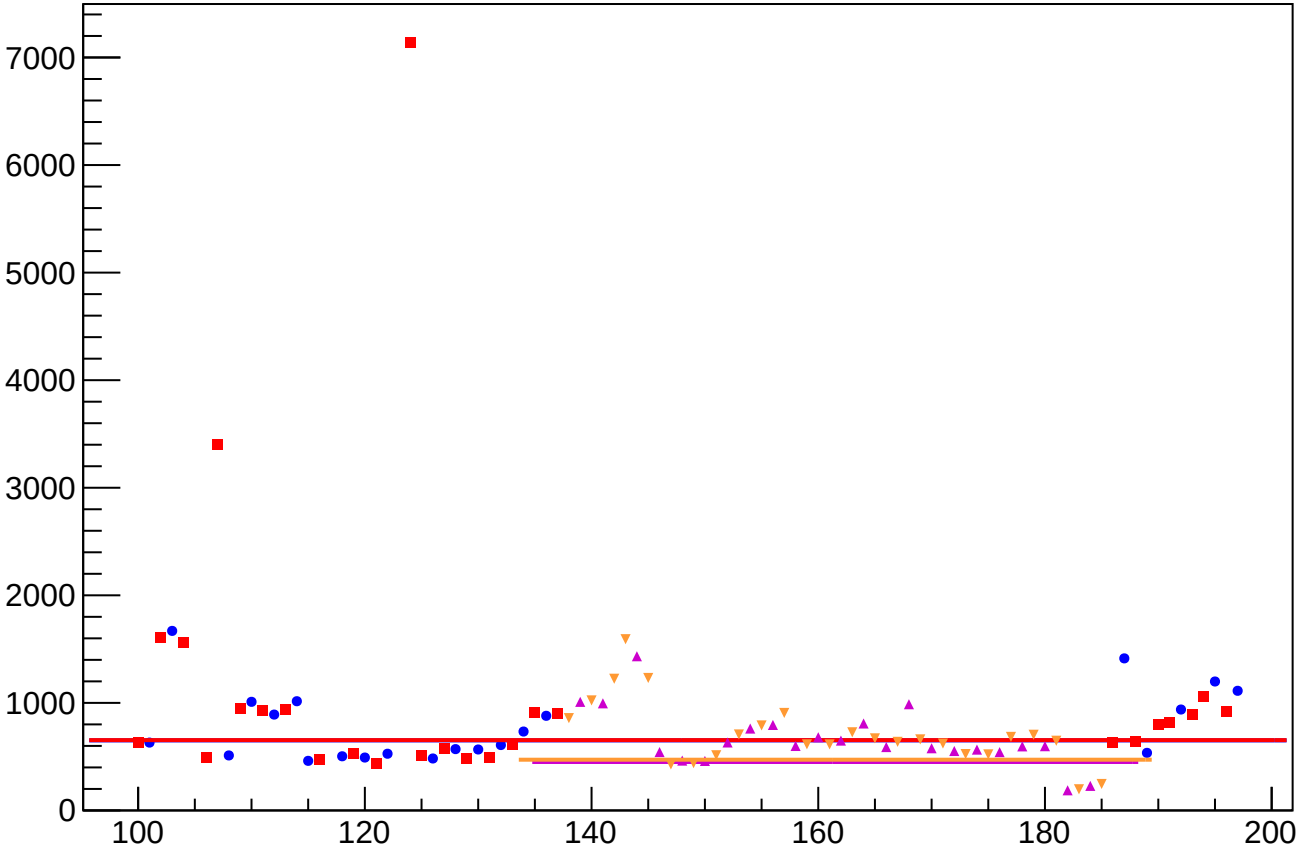
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -154.996+/-105.629 χ^2/NDF: 63.4/45

All: 11.139+/-73.987 χ^2/NDF: 111.5/94

- sign 171.154+/-103.665 χ^2/NDF: 43.3/48

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 651.209+/-0.151 χ^2/NDF: 2215647.5/20

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 653.856+/-0.146 χ^2/NDF: 2977226.7/25

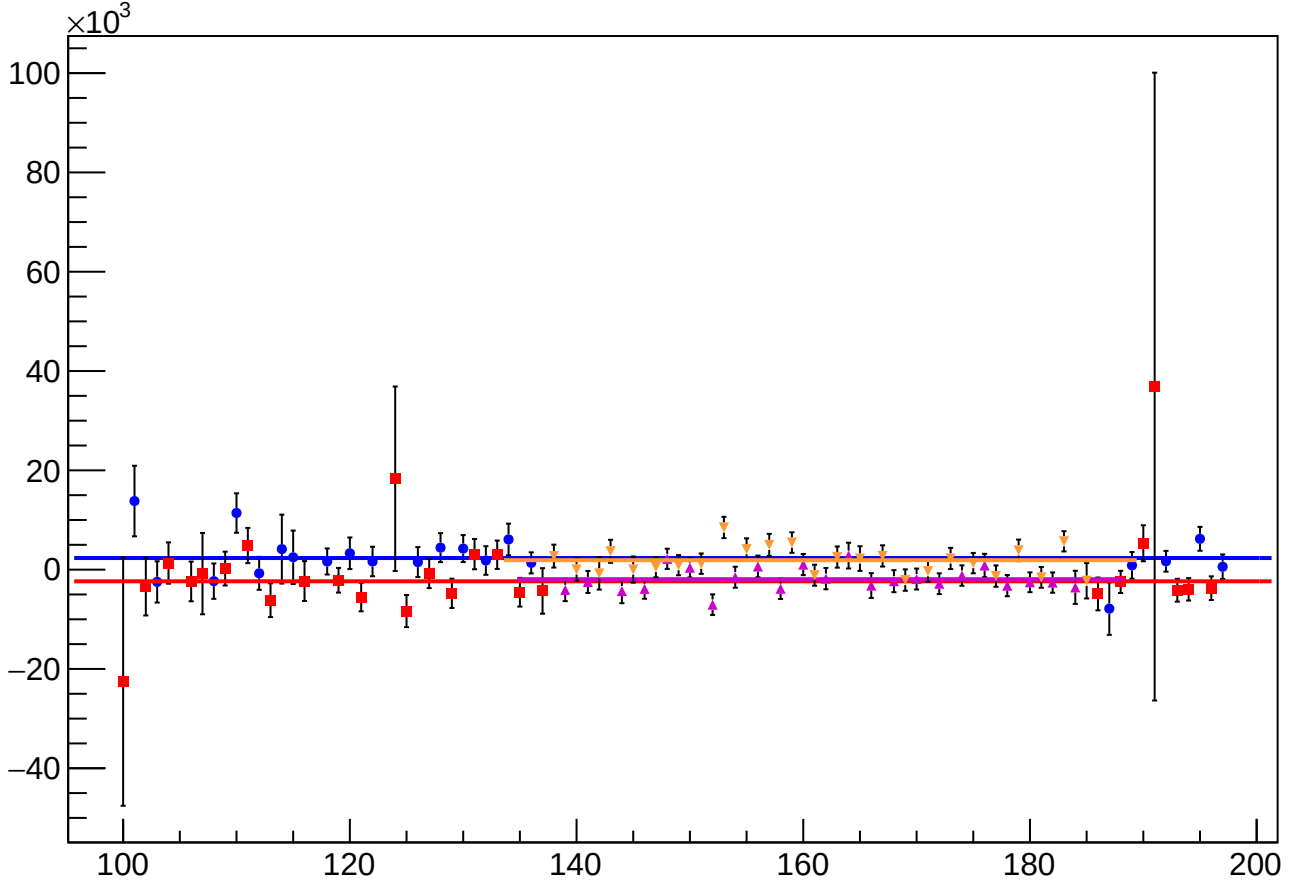
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 515.878+/-0.075 χ^2/NDF: 11398113.3/45

All: 508.621+/-0.052 χ^2/NDF: 23766405.7/94

- sign 501.630+/-0.073 χ^2/NDF: 12349756.7/48

asym_at1_avg_mean vs Slug



Right In: 2339.605+/-664.418 χ^2/NDF: 21.9/20

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2346.627+/-642.633 χ^2/NDF: 28.7/25

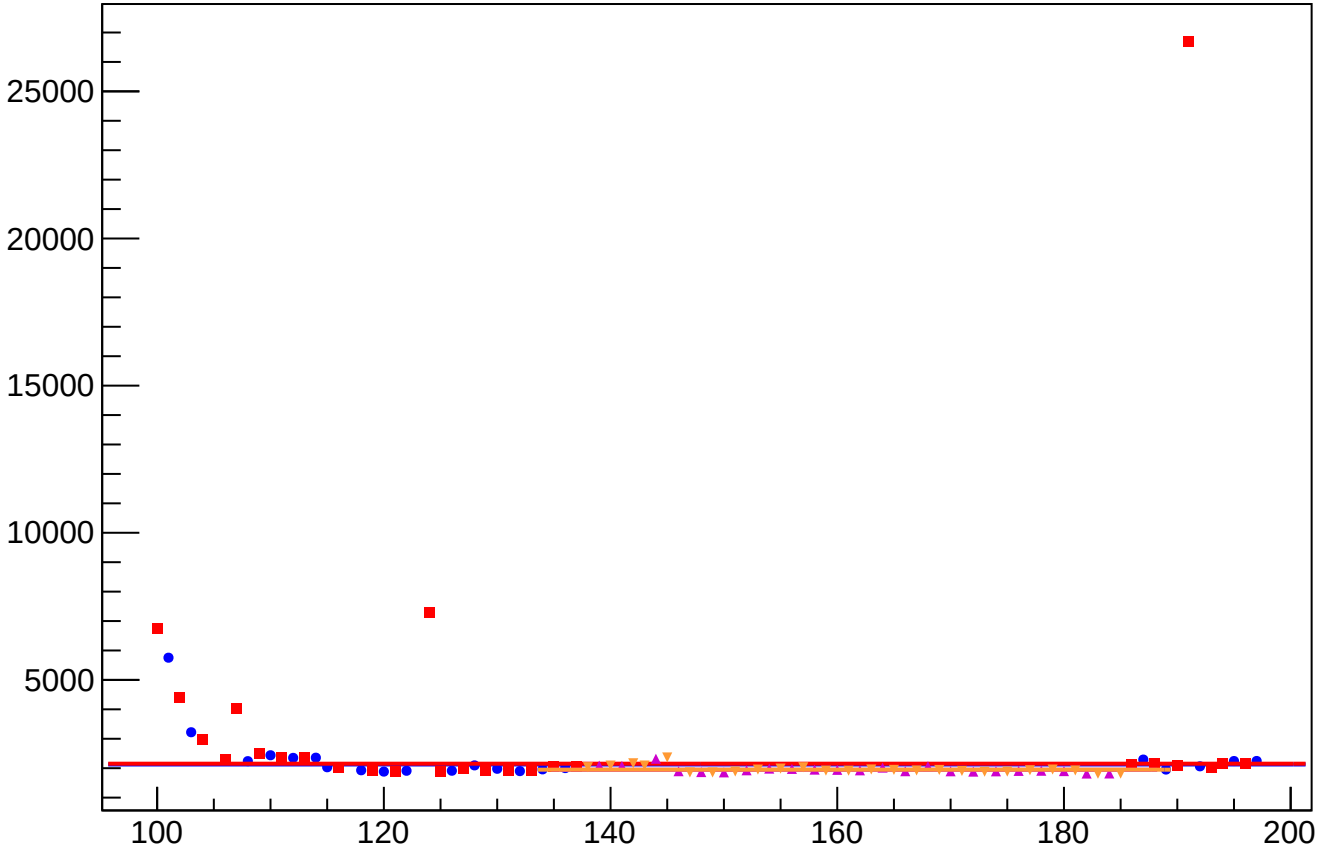
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2040.605+/-368.885 χ^2/NDF: 58.5/45

All: 0.199+/-261.684 χ^2/NDF: 173.8/94

- sign -2066.782+/-371.280 χ^2/NDF: 53.8/48

asym_at1_avg_rms vs Slug



Right In: 2125.831+/-0.470 χ^2/NDF: 781493.8/20

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

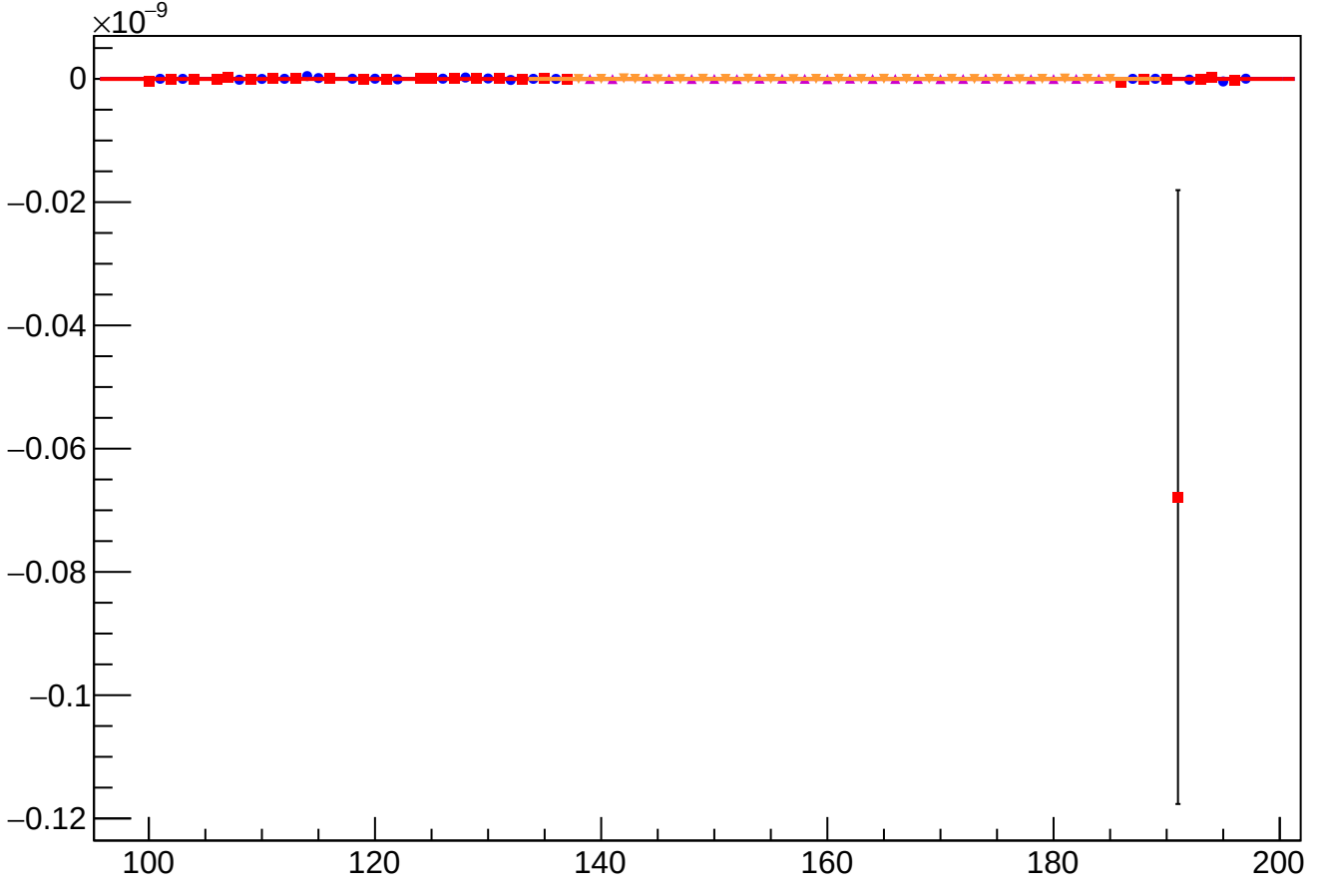
Right Out: 2152.758+/-0.454 χ^2/NDF: 1137058.7/25

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2003.509+/-0.261 χ^2/NDF: 988013.5/45

All: 2008.937+/-0.185 χ^2/NDF: 2360983.1/94

- sign 2014.436+/-0.263 χ^2/NDF: 1372097.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/25

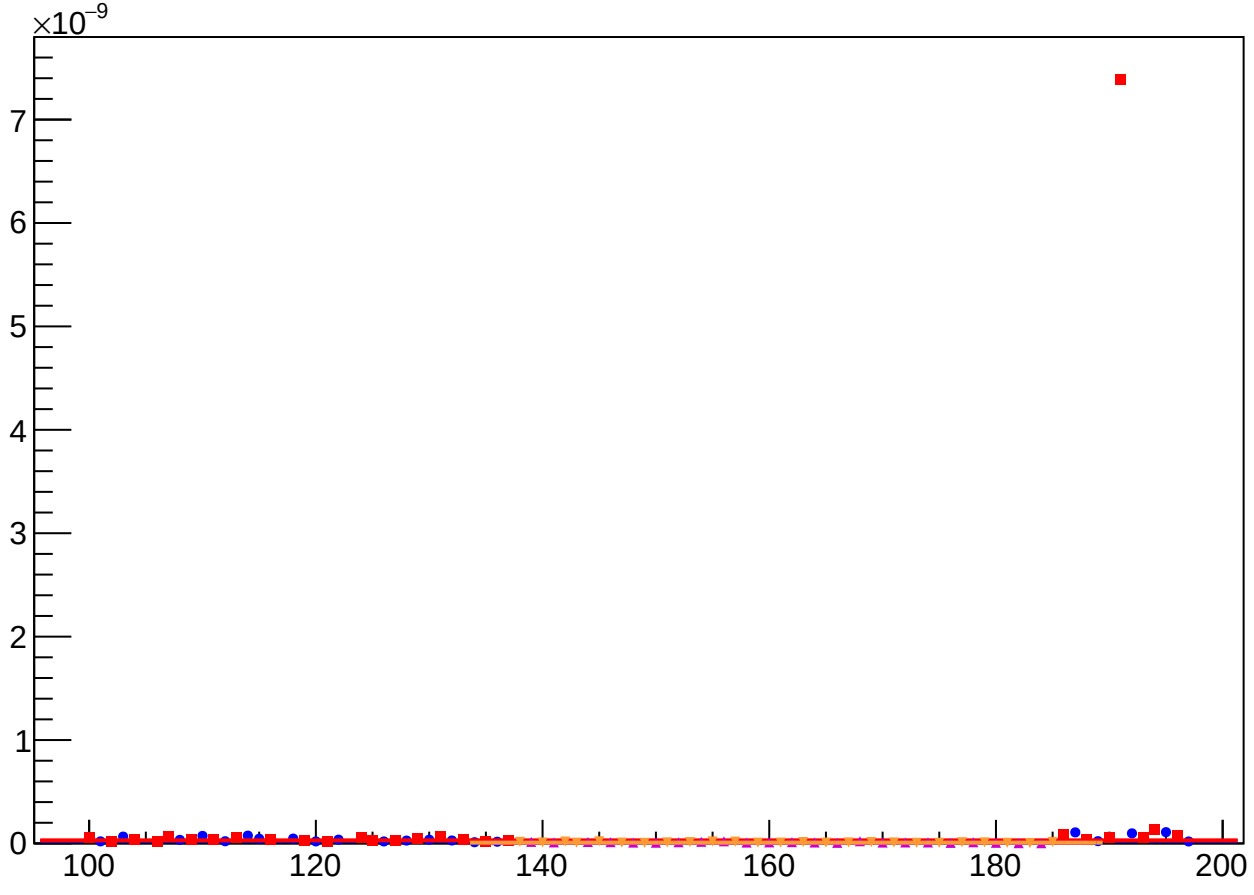
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/45

All: 0.000+/-0.000 χ^2/NDF: 109.8/94

- sign 0.000+/-0.000 χ^2/NDF: 57.7/48

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2038675.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1942996.3/25

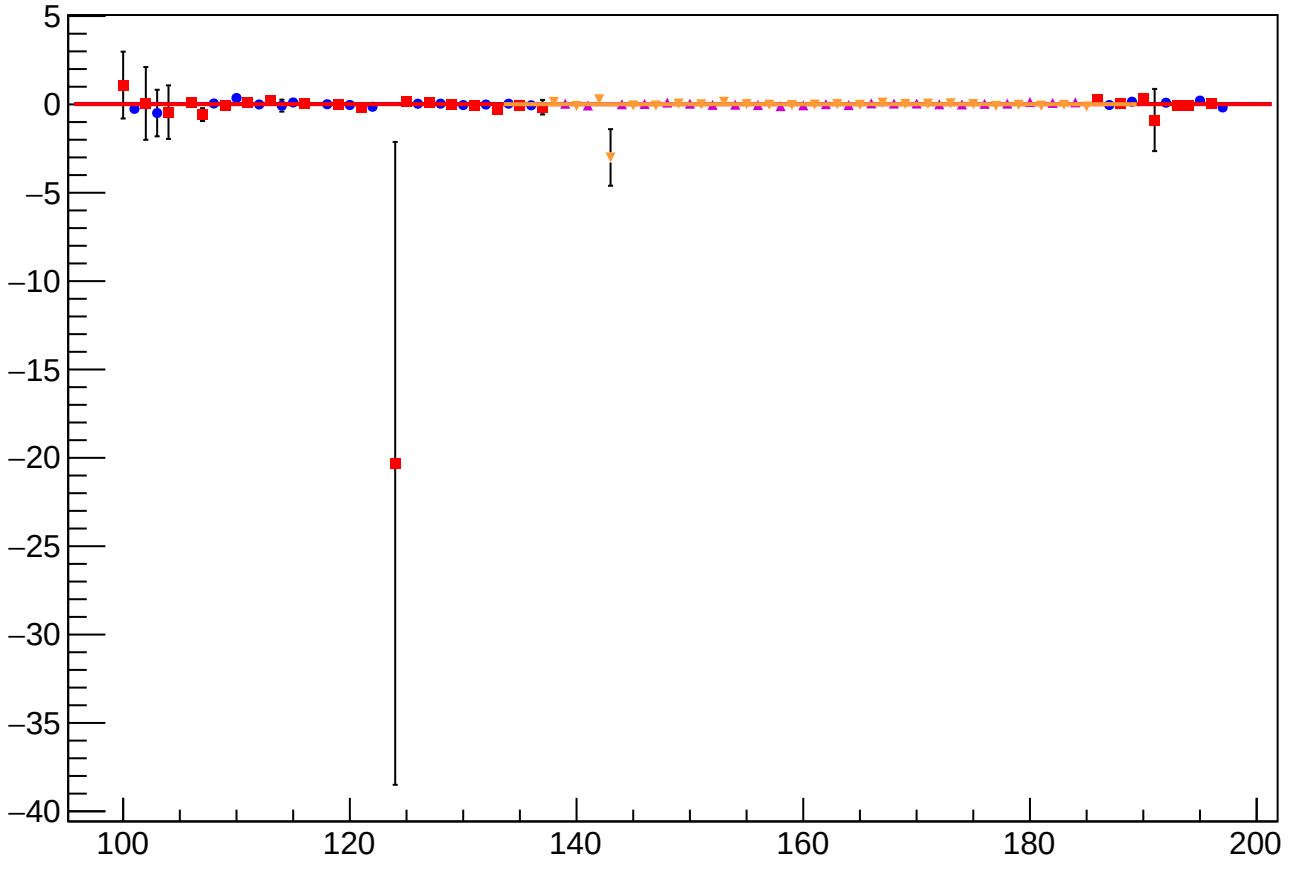
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6551500.1/45

All: 0.000+/-0.000 χ^2/NDF: 14472172.6/94

- sign 0.000+/-0.000 χ^2/NDF: 7919131.0/48

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.024 χ^2/NDF: 17.1/20

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/25

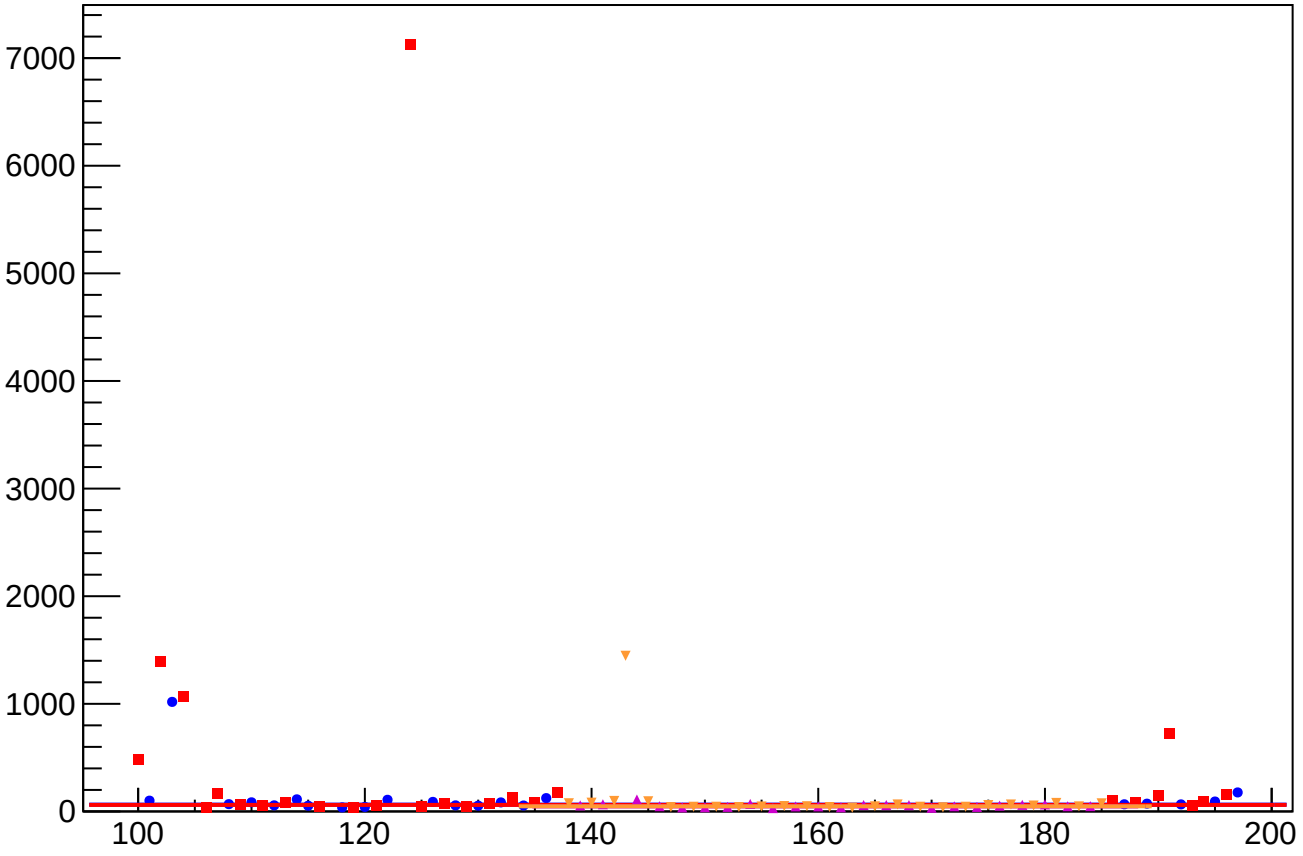
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 47.0/45

All: 0.016+/-0.008 χ^2/NDF: 91.2/94

- sign 0.017+/-0.011 χ^2/NDF: 44.2/48

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.483+/-0.017 χ^2/NDF: 3175717.5/20

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

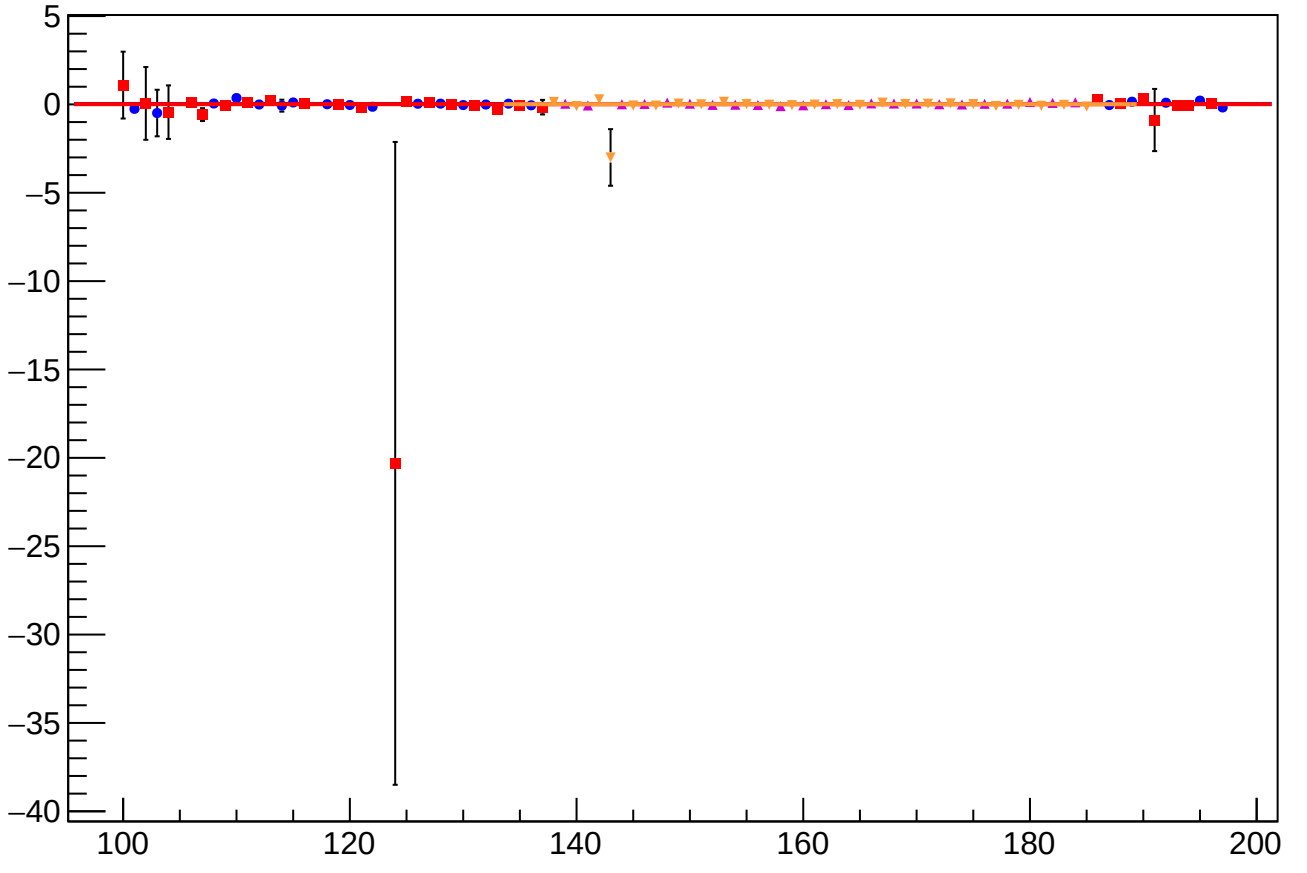
Right Out: 60.746+/-0.016 χ^2/NDF: 4938593.1/25

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 51.256+/-0.008 χ^2/NDF: 7347655.6/45

All: 50.606+/-0.005 χ^2/NDF: 14844414.8/94

- sign 49.987+/-0.008 χ^2/NDF: 7483175.3/48



Right In: 0.024+/-0.024 χ^2/NDF: 17.1/20

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/25

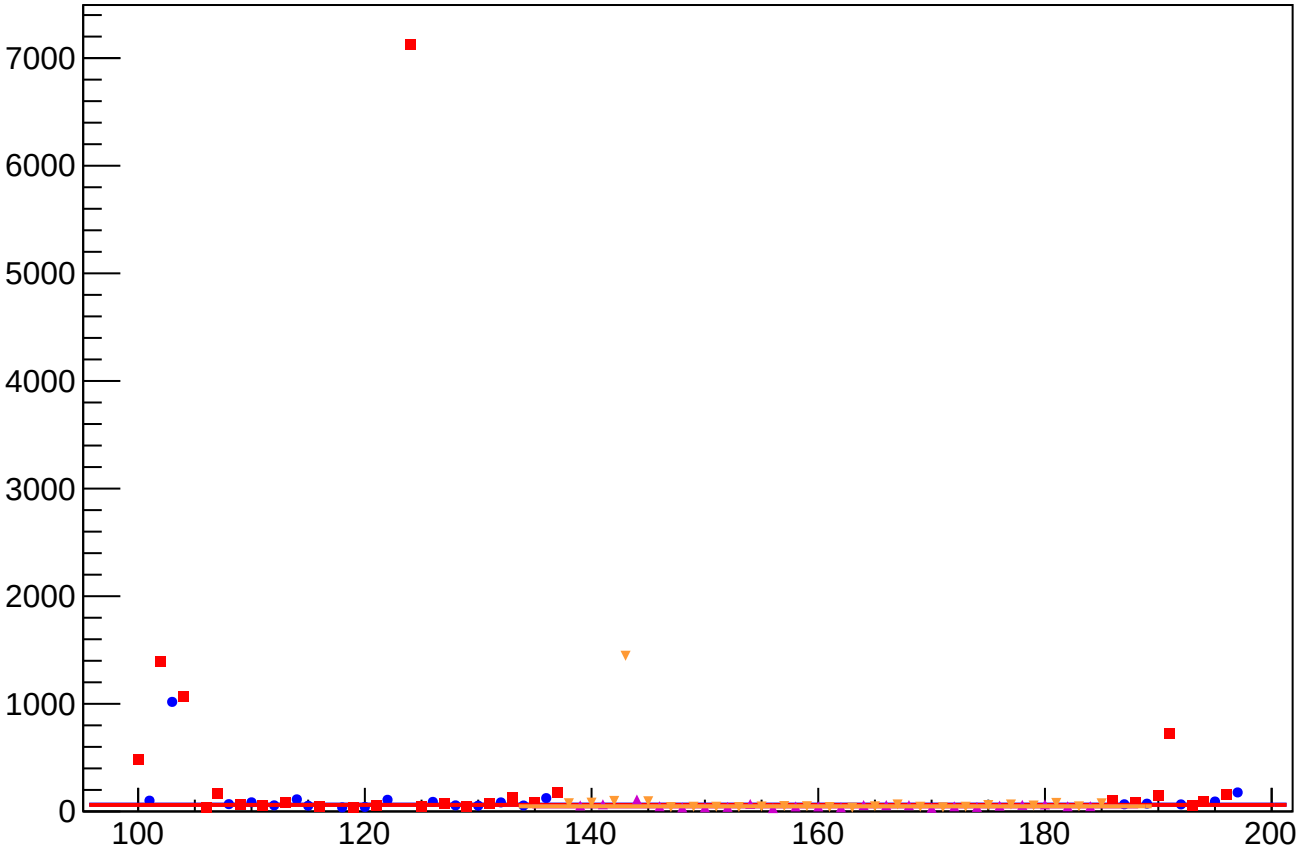
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 47.0/45

All: 0.016+/-0.008 χ^2/NDF: 91.2/94

- sign 0.017+/-0.011 χ^2/NDF: 44.2/48

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.483+/-0.017 χ^2/NDF: 3175717.5/20

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

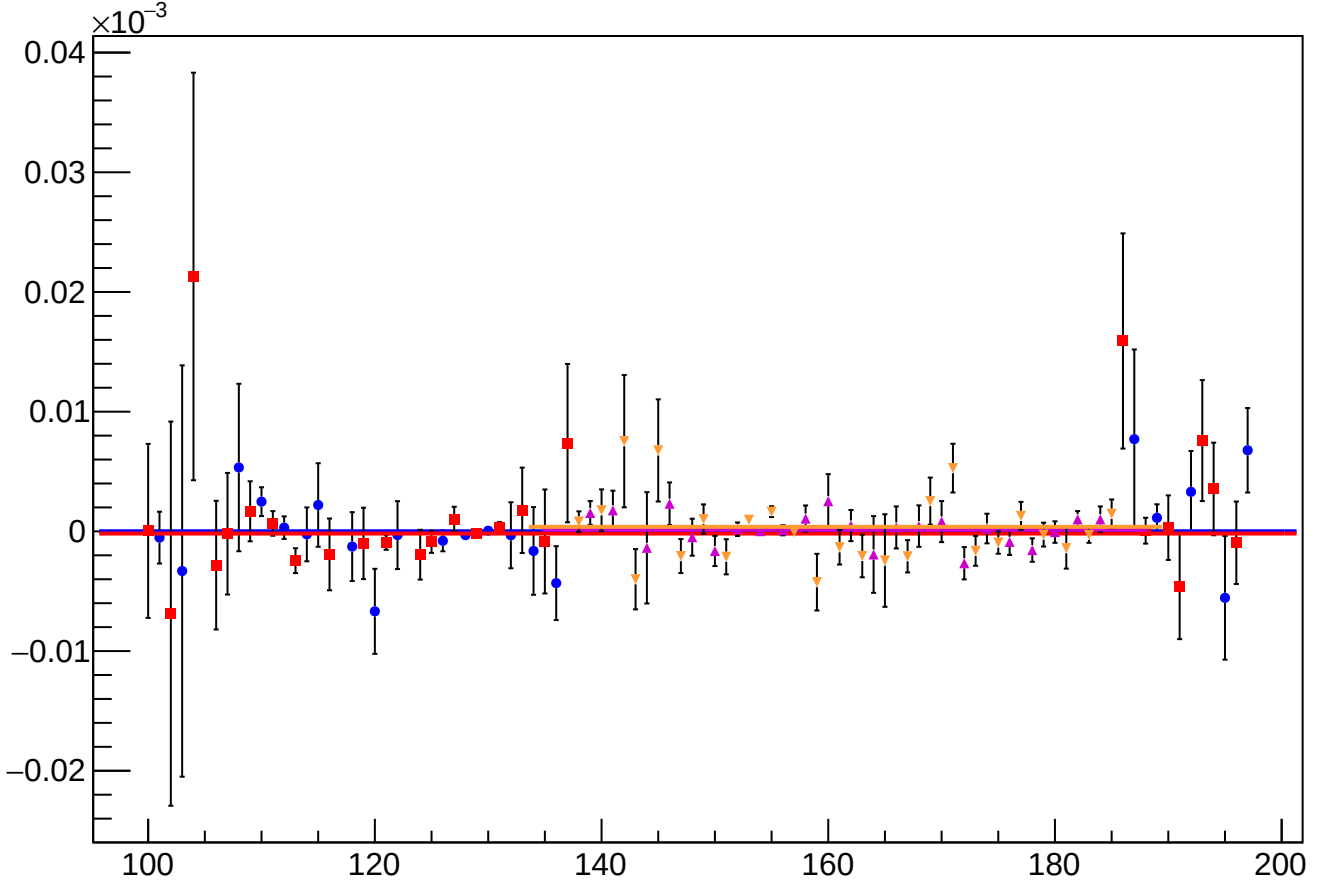
Right Out: 60.746+/-0.016 χ^2/NDF: 4938593.1/25

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 51.256+/-0.008 χ^2/NDF: 7347655.6/45

All: 50.606+/-0.005 χ^2/NDF: 14844414.8/94

- sign 49.987+/-0.008 χ^2/NDF: 7483175.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/25

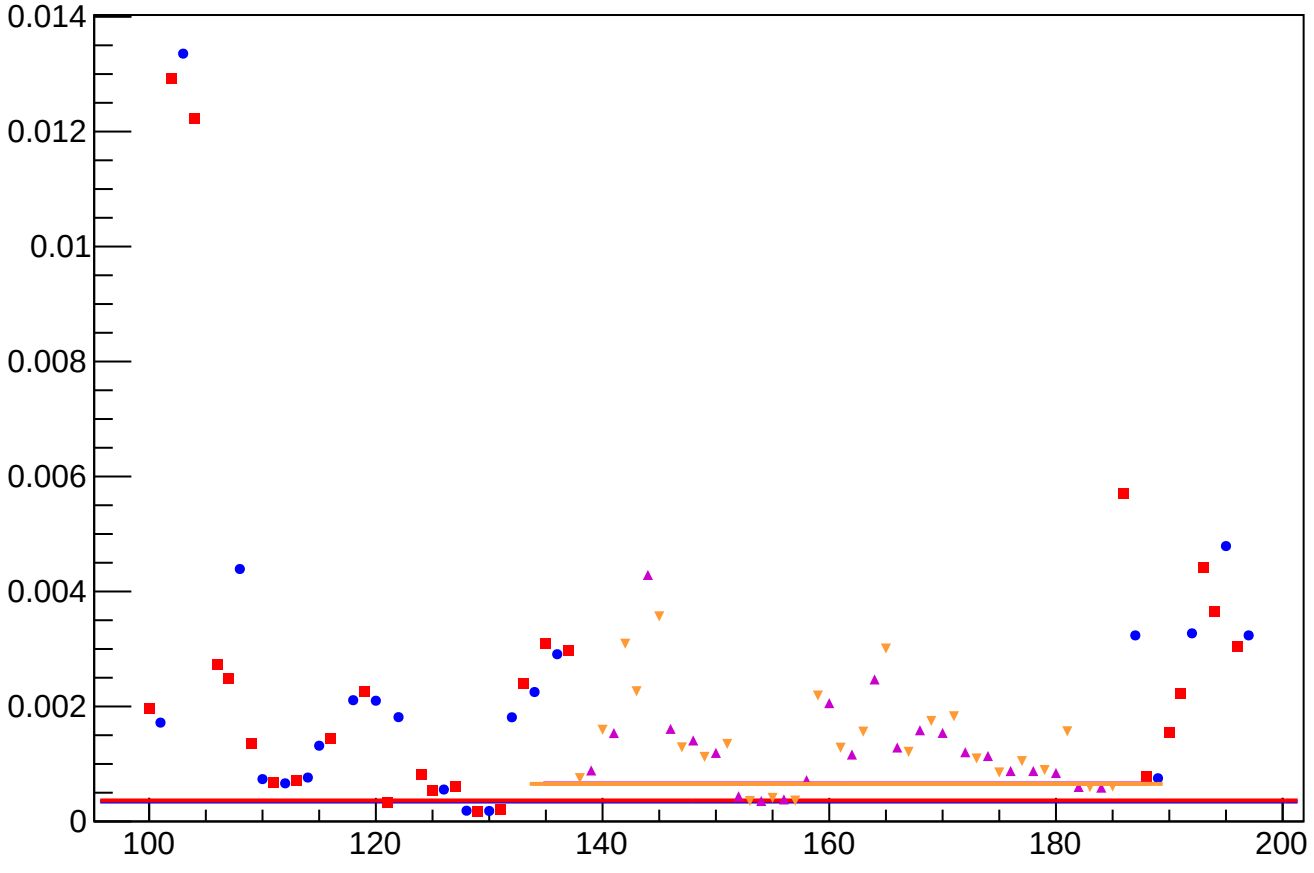
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.4/45

All: 0.000+/-0.000 χ^2/NDF: 120.4/94

- sign -0.000+/-0.000 χ^2/NDF: 44.6/48

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13673104.6/20

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

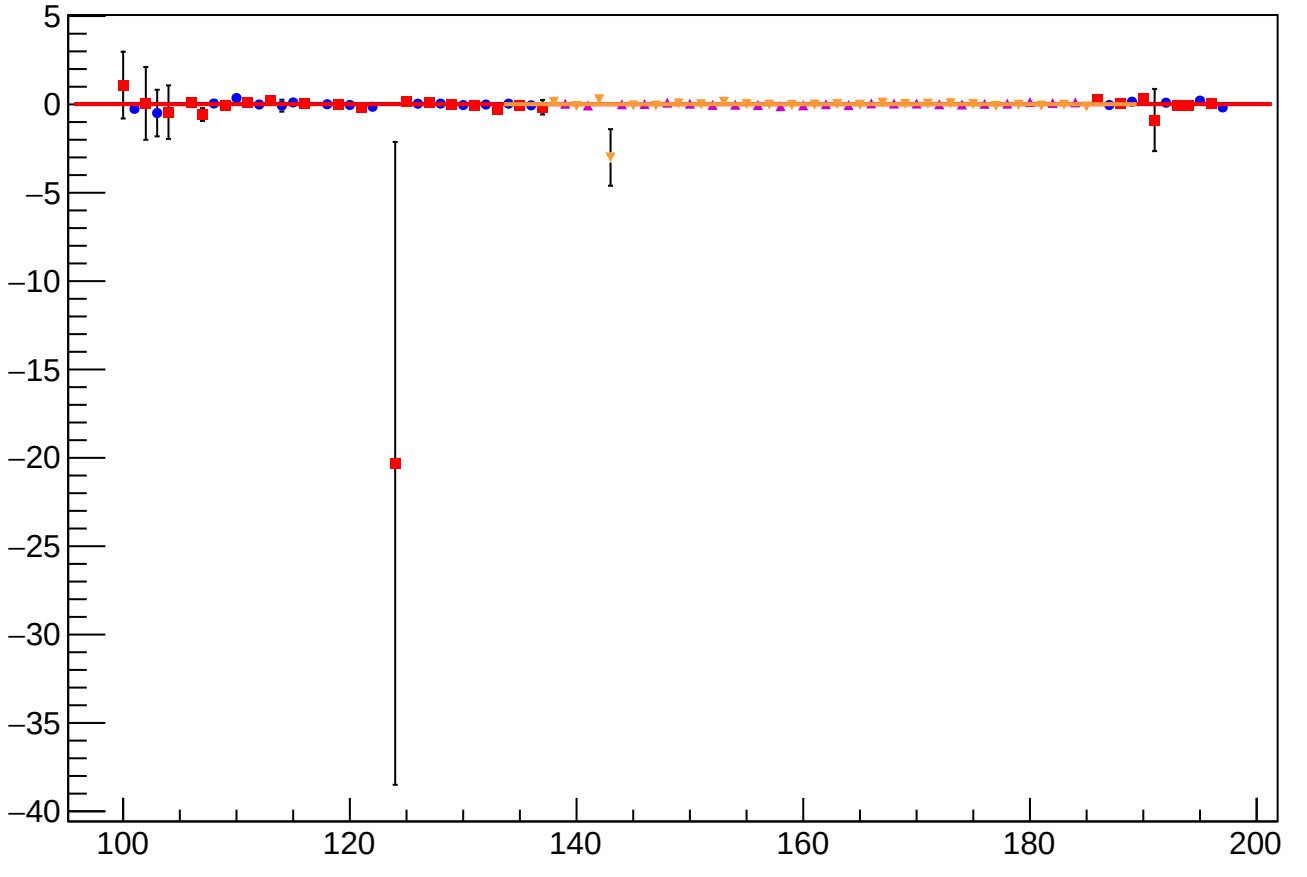
Right Out: 0.000+/-0.000 χ^2/NDF: 13817581.0/25

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 28479029.0/45

All: 0.001+/-0.000 χ^2/NDF: 54465247.9/94

- sign 0.001+/-0.000 χ^2/NDF: 25983397.3/48



Right In: 0.024+/-0.024 χ^2/NDF: 17.1/20

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/25

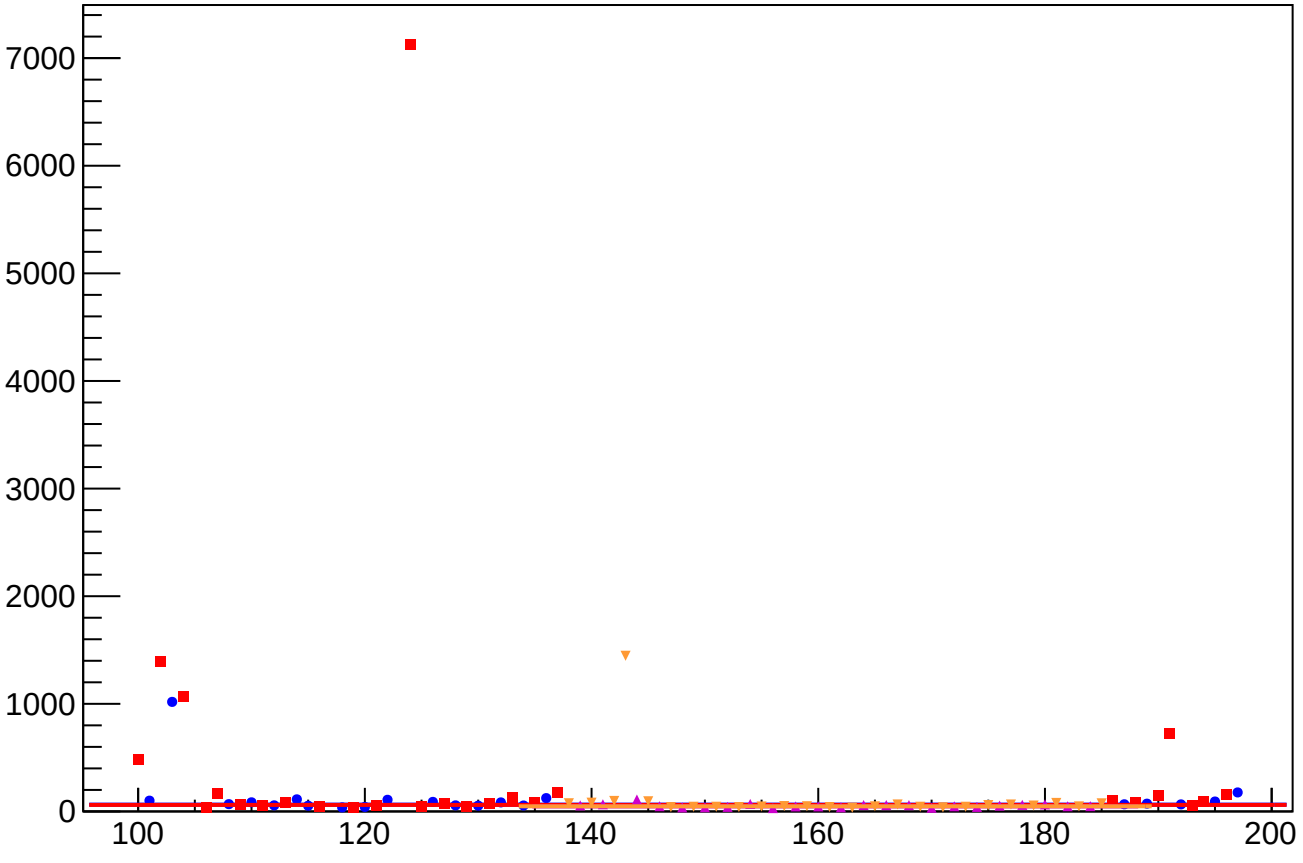
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 47.0/45

All: 0.016+/-0.008 χ^2/NDF: 91.2/94

- sign 0.017+/-0.011 χ^2/NDF: 44.2/48

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.483+/-0.017 χ^2/NDF: 3175754.4/20

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

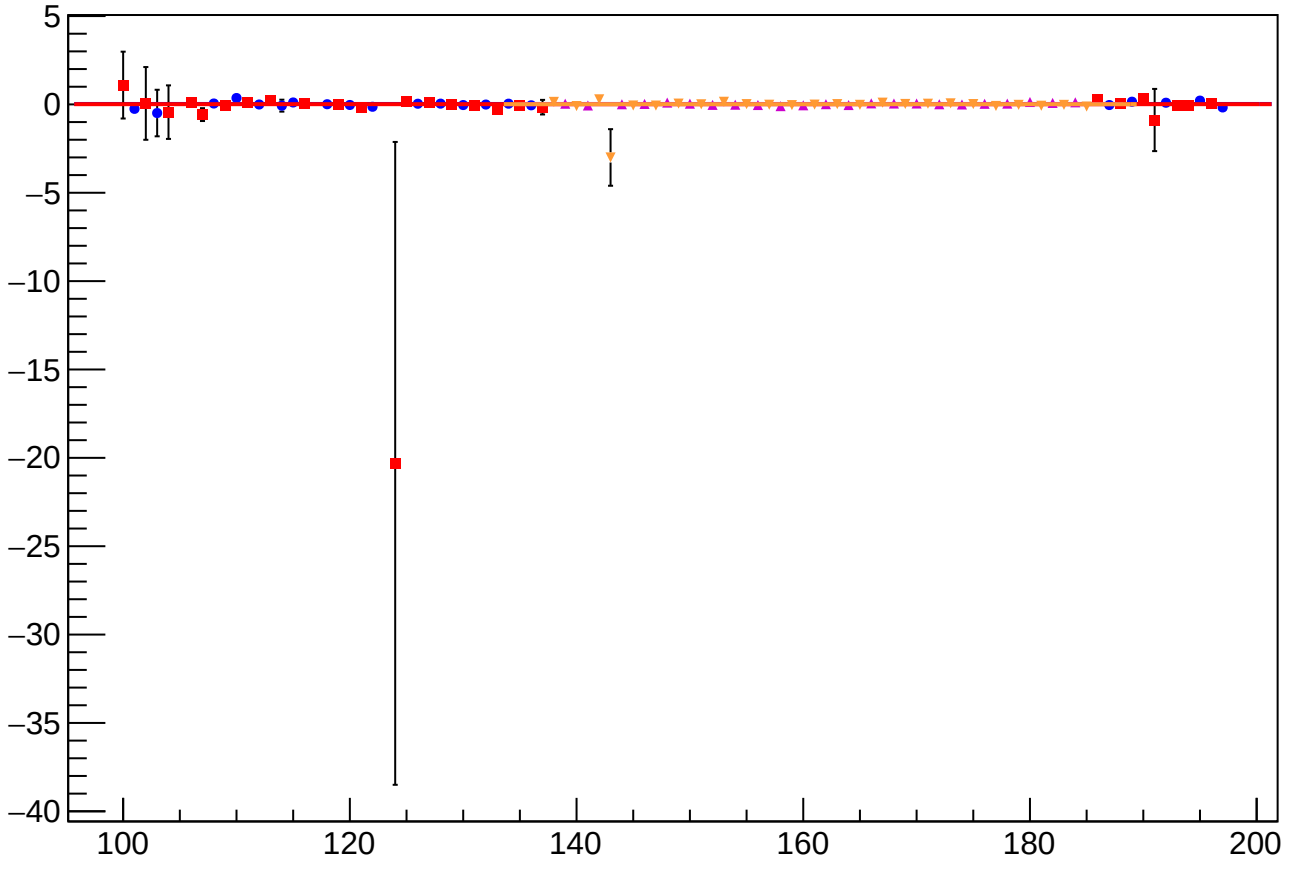
Right Out: 60.745+/-0.016 χ^2/NDF: 4938719.1/25

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 51.256+/-0.008 χ^2/NDF: 7347644.5/45

All: 50.606+/-0.005 χ^2/NDF: 14844452.7/94

- sign 49.986+/-0.008 χ^2/NDF: 7483216.3/48



Right In: 0.024+/-0.024 χ^2/NDF: 17.1/20

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

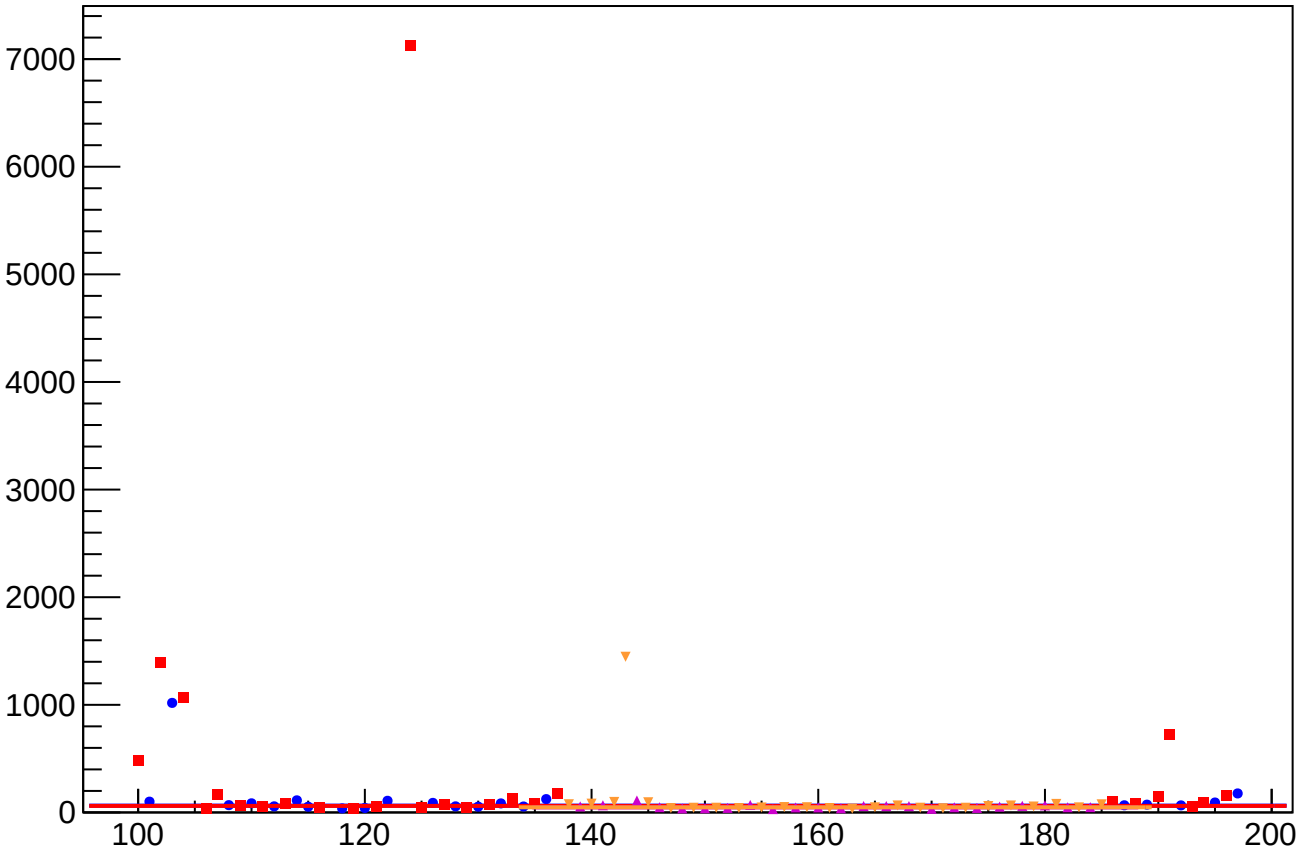
Right Out: 0.013+/-0.022 χ^2/NDF: 23.9/25

Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.011 χ^2/NDF: 47.0/45

All: 0.016+/-0.008 χ^2/NDF: 91.2/94

- sign 0.017+/-0.011 χ^2/NDF: 44.2/48



Right In: 63.483+/-0.017 χ^2/NDF: 3175754.4/20

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

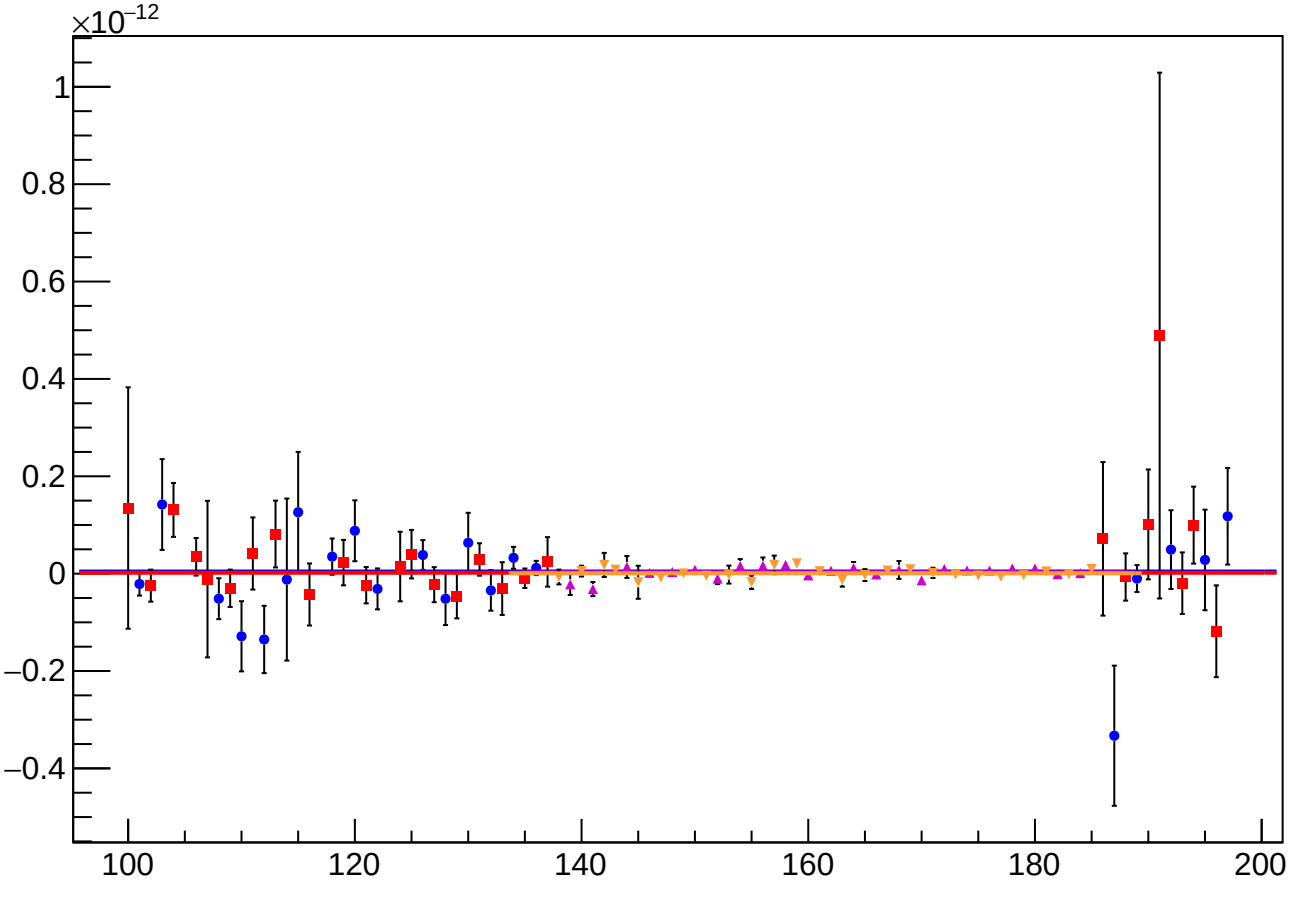
Right Out: 60.745+/-0.016 χ^2/NDF: 4938719.1/25

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 51.256+/-0.008 χ^2/NDF: 7347644.5/45

All: 50.606+/-0.005 χ^2/NDF: 14844452.7/94

- sign 49.986+/-0.008 χ^2/NDF: 7483216.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

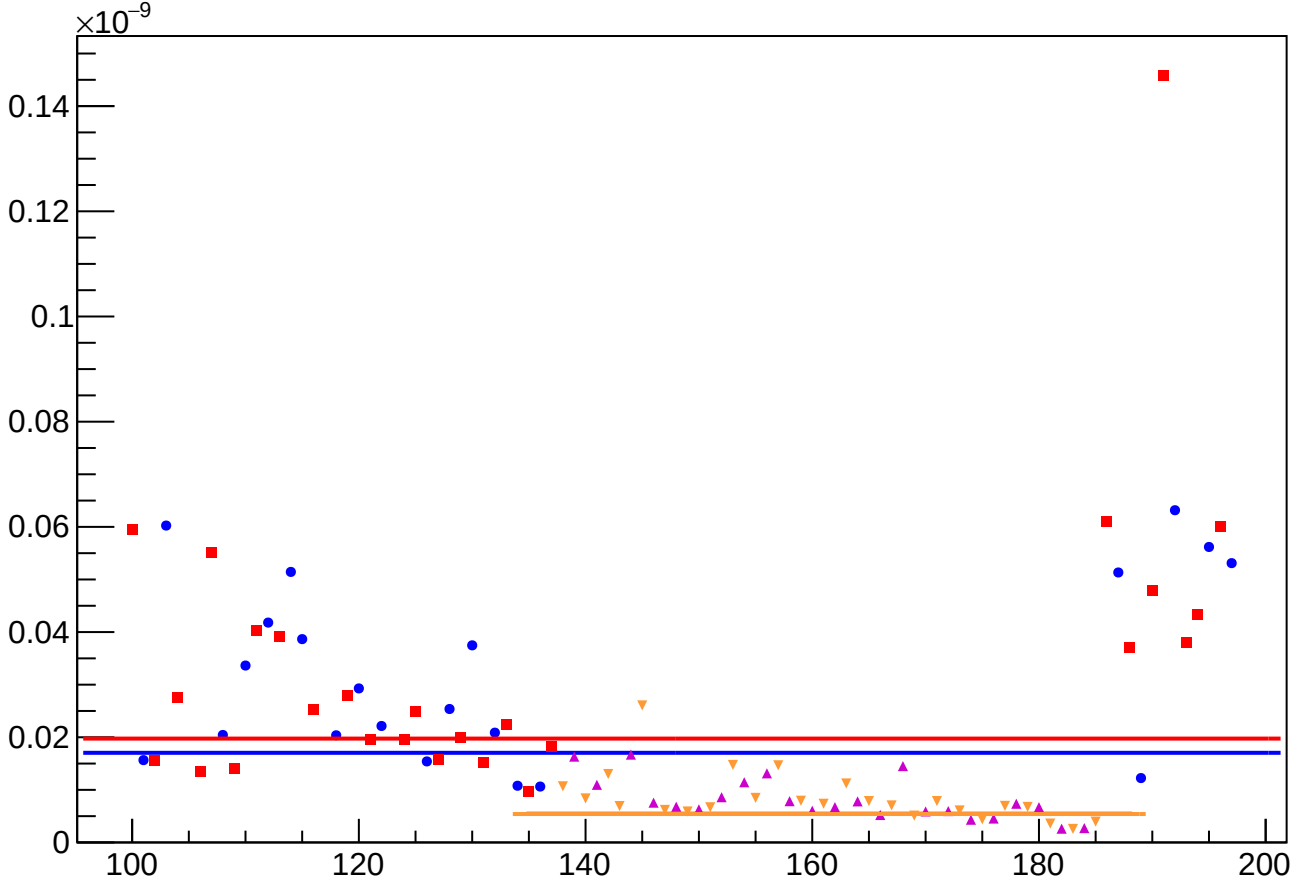
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/25

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.4/45

All: 0.000+/-0.000 χ^2/NDF: 87.1/94

- sign 0.000+/-0.000 χ^2/NDF: 41.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 3284365.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2646196.7/25

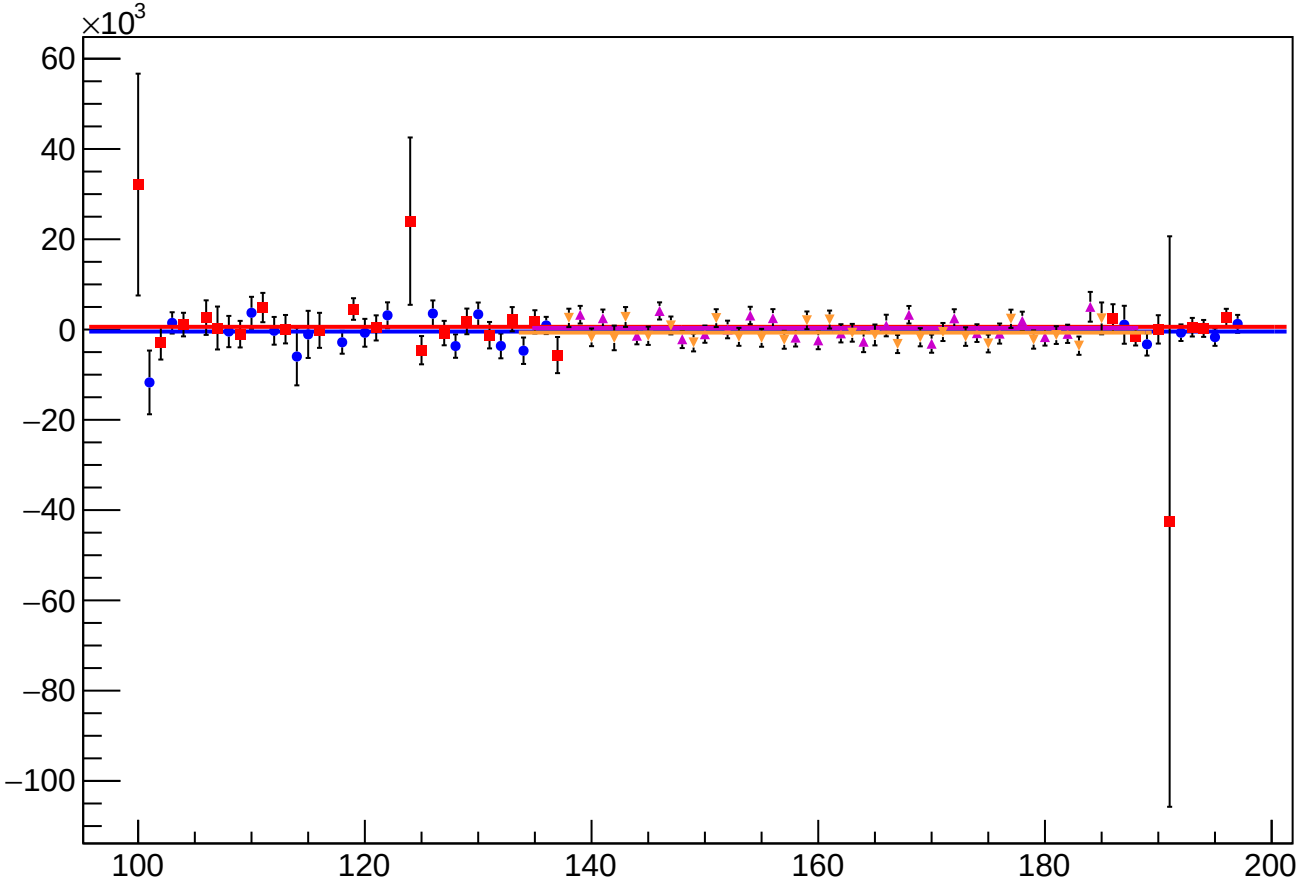
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12332863.1/45

All: 0.000+/-0.000 χ^2/NDF: 24429781.0/94

- sign 0.000+/-0.000 χ^2/NDF: 12095443.5/48

reg_asym_at1_dd_mean vs Slug



Right In: -442.957+/-588.277 χ^2/NDF: 19.9/20

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 599.303+/-568.878 χ^2/NDF: 19.1/25

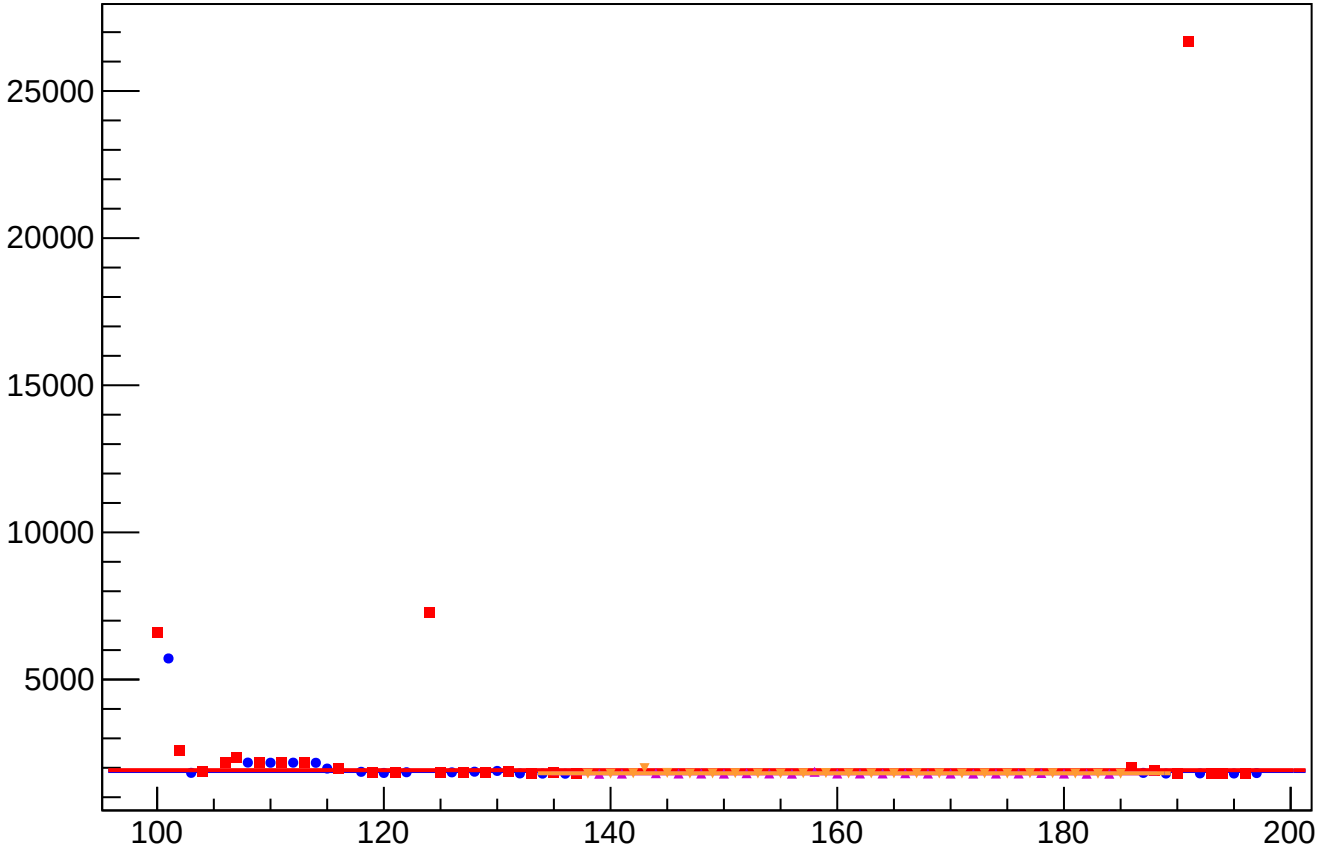
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -595.262+/-337.581 χ^2/NDF: 44.8/45

All: -83.170+/-239.310 χ^2/NDF: 98.7/94

- sign 434.139+/-339.296 χ^2/NDF: 49.3/48

reg_asym_at1_dd_rms vs Slug



Right In: 1890.325+/-0.416 χ^2/NDF: 659854.2/20

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1919.899+/-0.402 χ^2/NDF: 722405.2/25

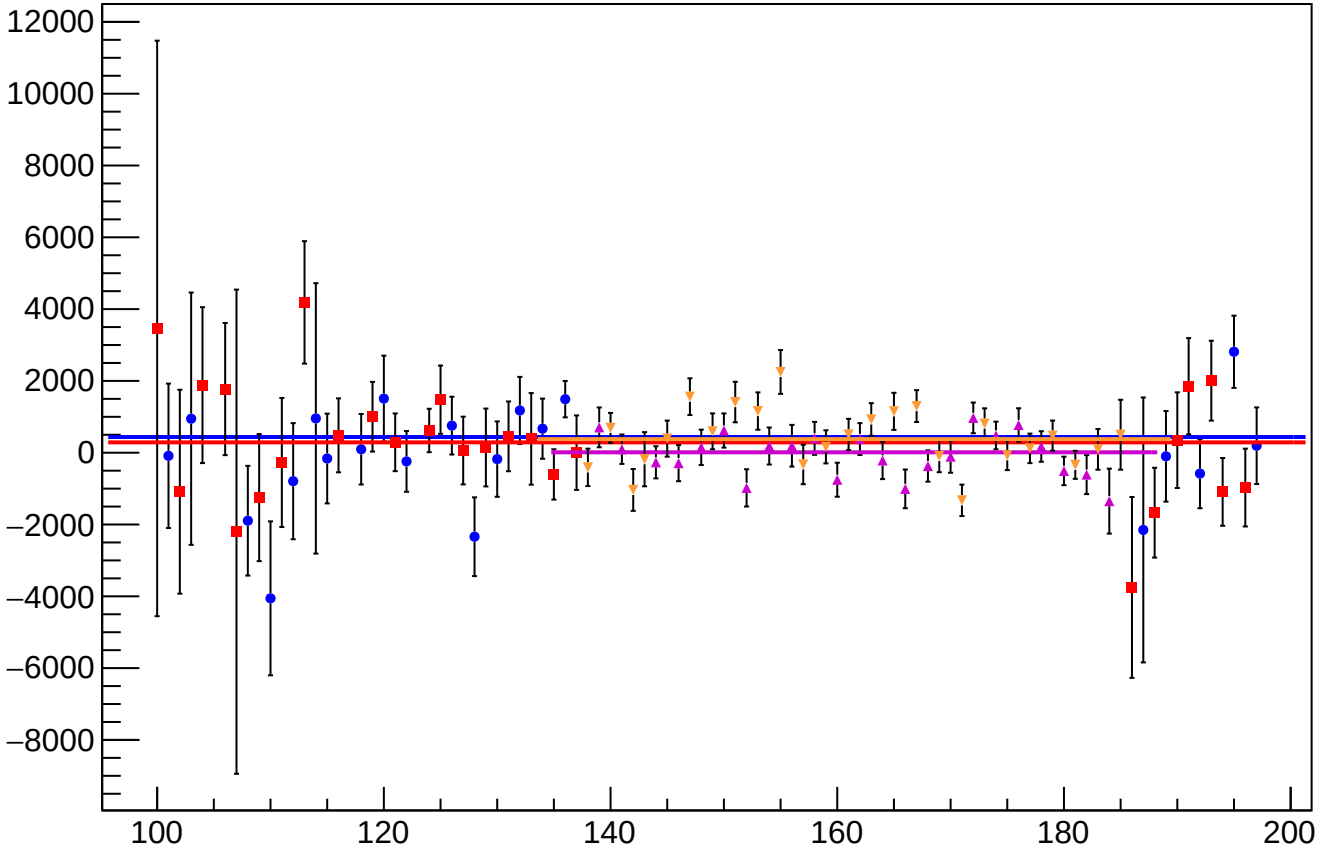
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1839.425+/-0.239 χ^2/NDF: 695280.2/45

All: 1844.382+/-0.169 χ^2/NDF: 1468209.6/94

- sign 1849.389+/-0.240 χ^2/NDF: 772062.7/48

asym_at1_dd_reg_correction_mean vs Slug



Right In: 436.824+/-231.879 χ^2/NDF: 28.6/20

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 288.276+/-221.716 χ^2/NDF: 24.3/25

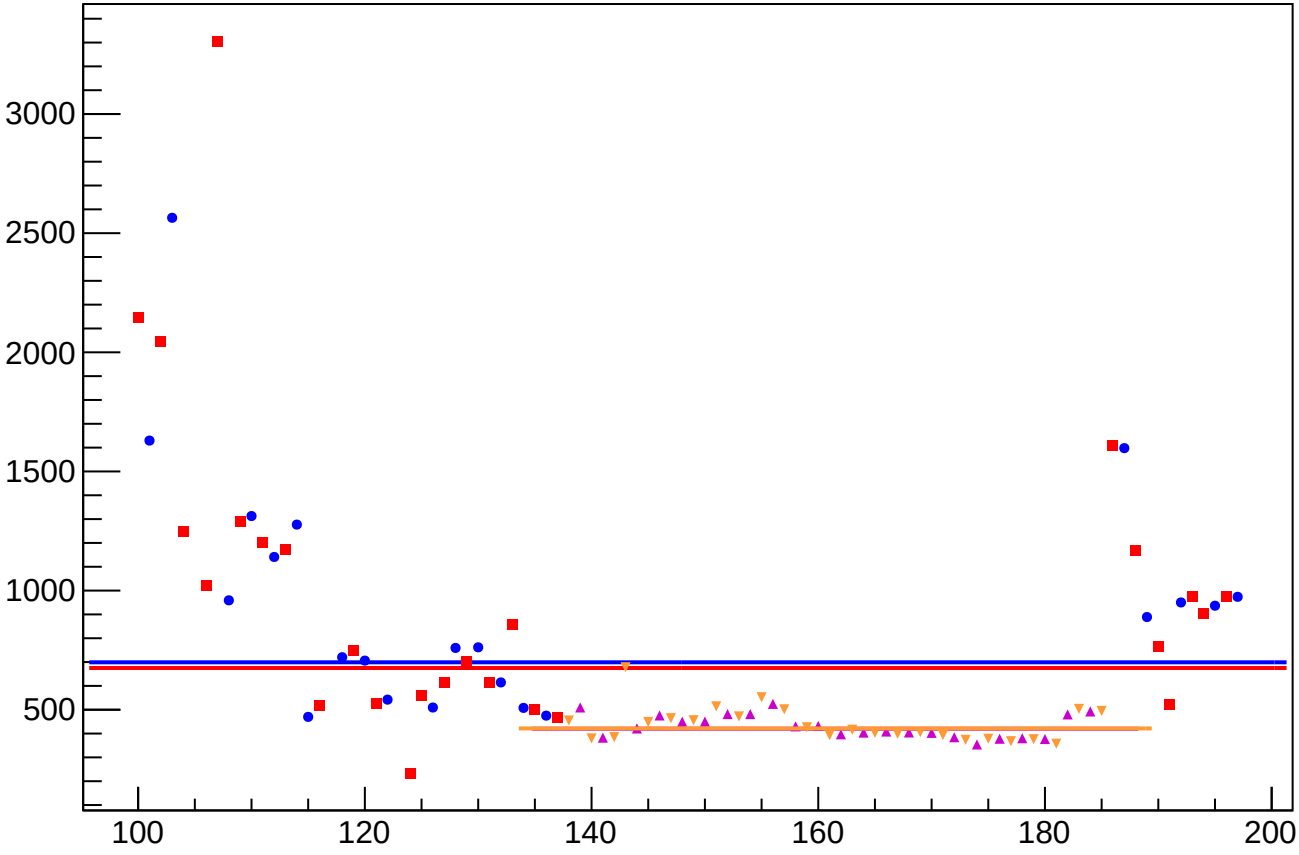
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 387.914+/-89.496 χ^2/NDF: 90.9/45

All: 224.337+/-63.593 χ^2/NDF: 154.4/94

- sign 57.514+/-90.379 χ^2/NDF: 56.7/48

asym_at1_dd_reg_correction_rms vs Slug



Right In: 698.975+/-0.164 χ^2/NDF: 2726827.2/20

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 675.134+/-0.157 χ^2/NDF: 4157555.3/25

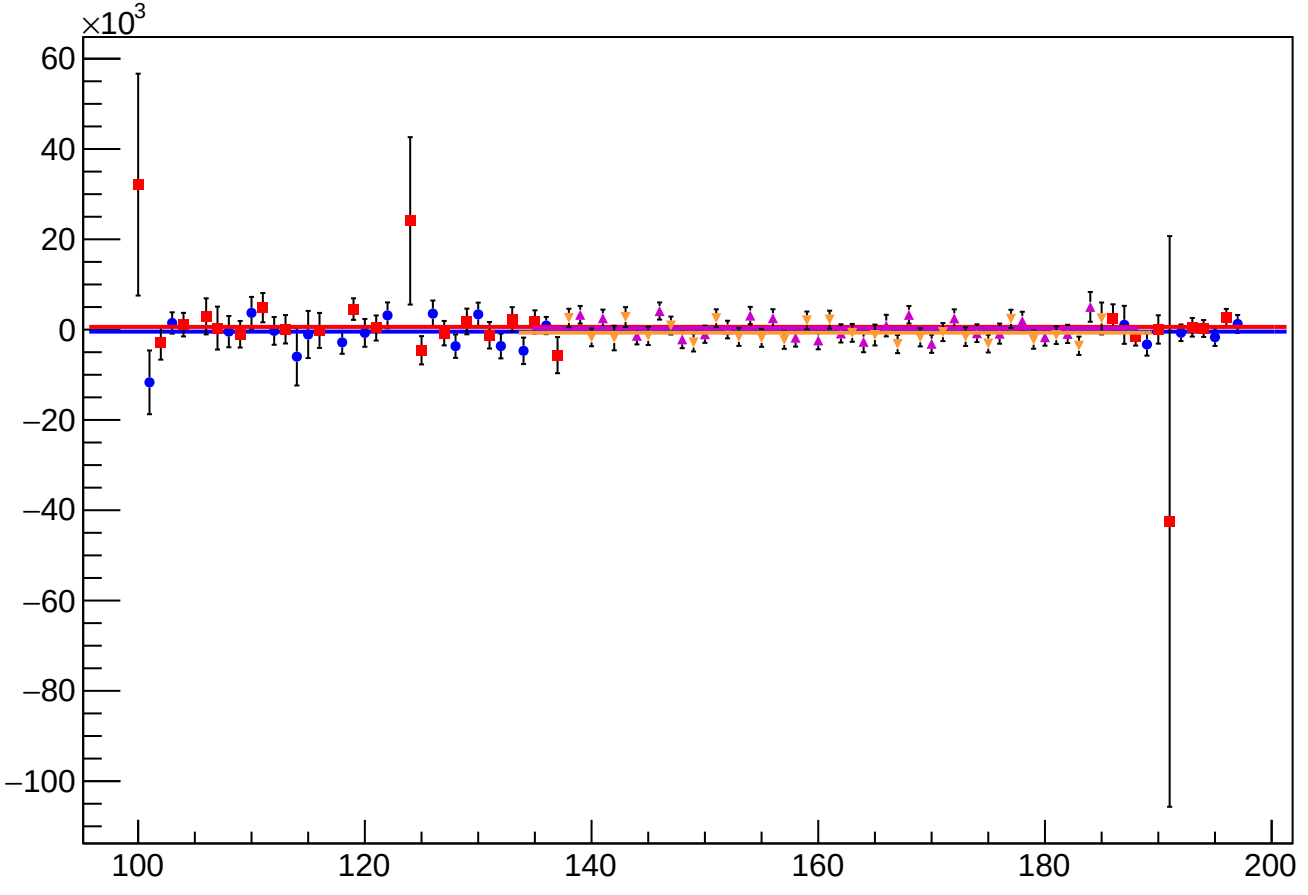
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 462.763+/-0.063 χ^2/NDF: 5908601.2/45

All: 462.673+/-0.045 χ^2/NDF: 12683710.2/94

- sign 462.580+/-0.064 χ^2/NDF: 6775104.8/48

cor_asym_at1_dd_mean vs Slug



Right In: -442.487+/-588.277 χ^2/NDF: 19.9/20

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 602.042+/-569.374 χ^2/NDF: 19.2/25

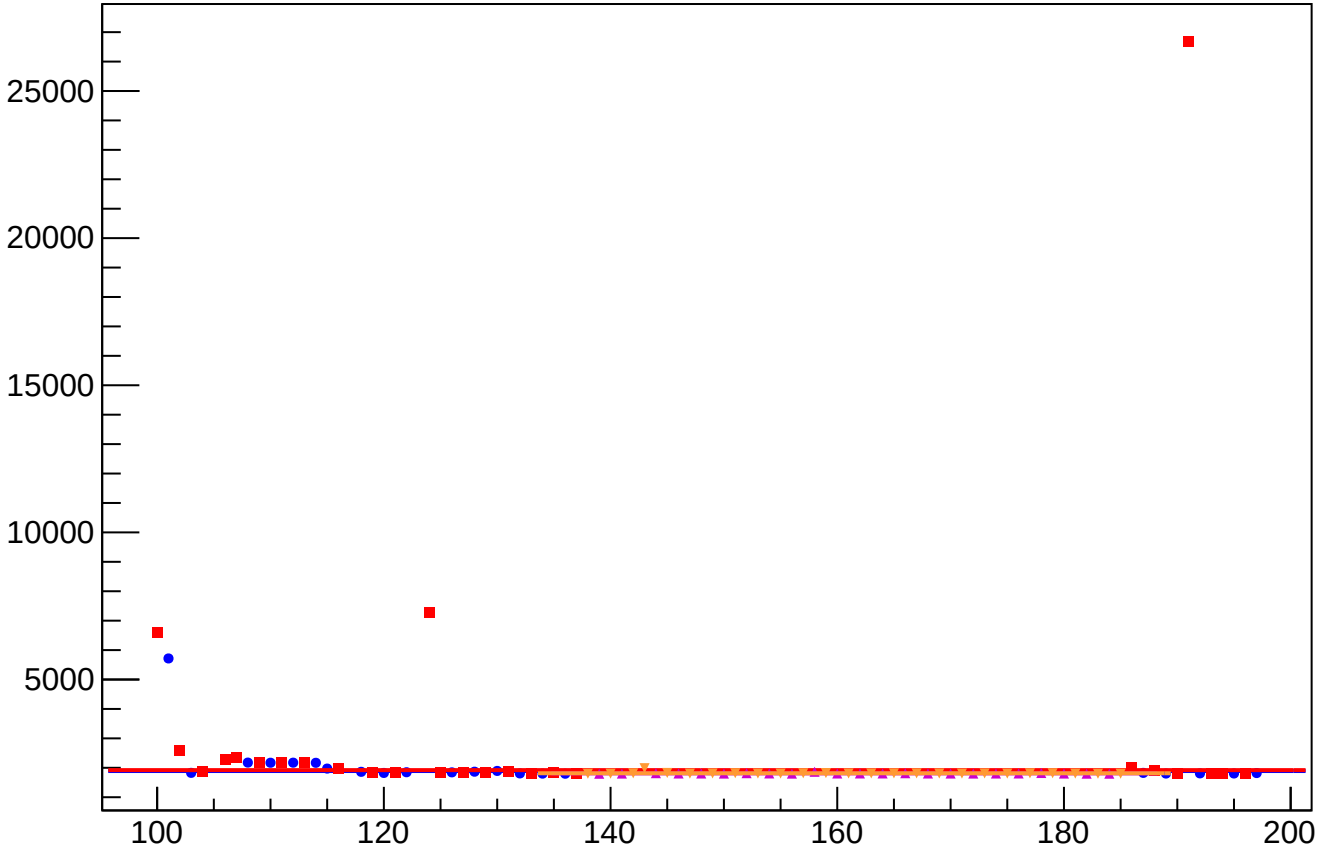
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -595.101+/-337.581 χ^2/NDF: 44.8/45

All: -82.801+/-239.347 χ^2/NDF: 98.8/94

- sign 435.038+/-339.401 χ^2/NDF: 49.4/48

cor_asym_at1_dd_rms vs Slug



Right In: 1890.325+/-0.416 χ^2/NDF: 659854.1/20

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1921.100+/-0.403 χ^2/NDF: 727967.7/25

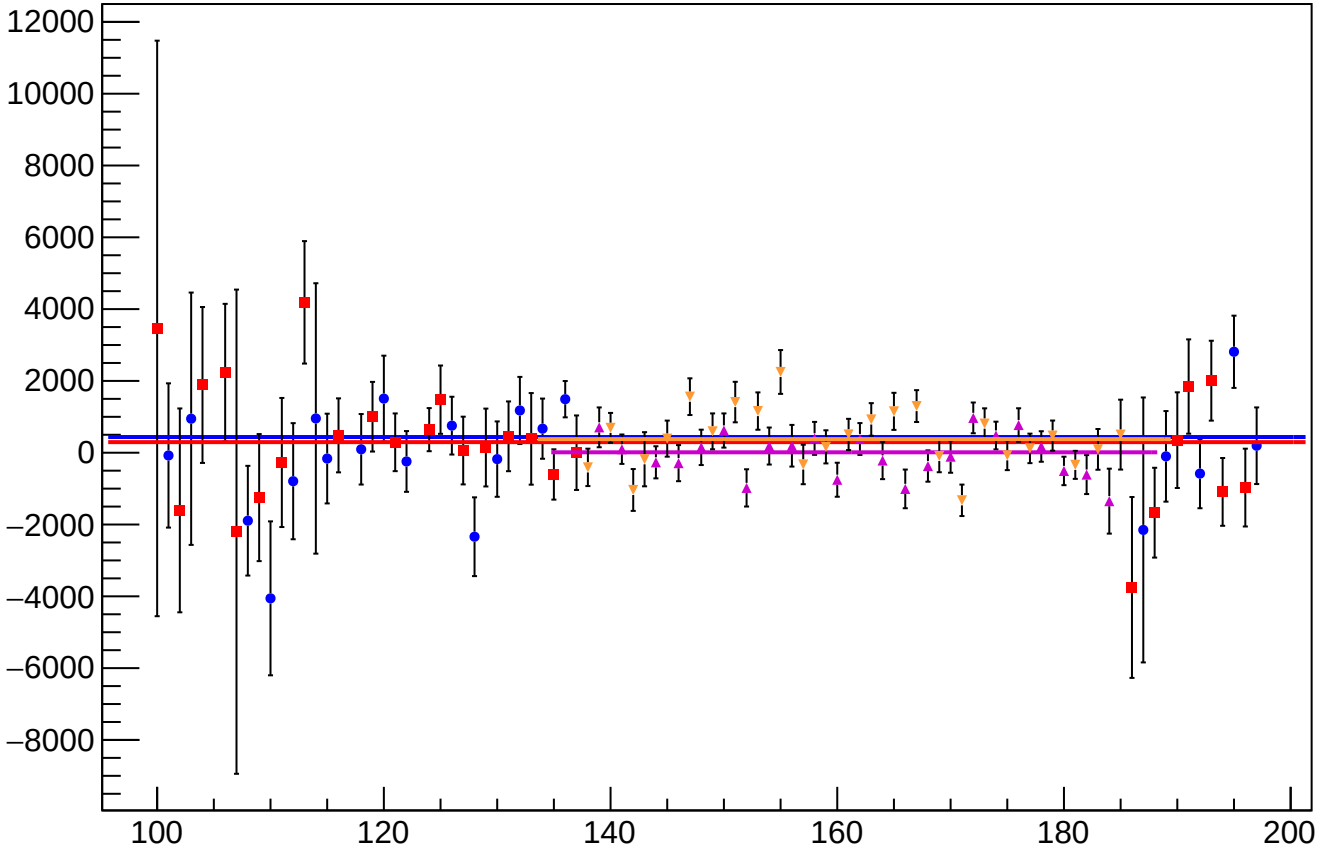
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1839.425+/-0.239 χ^2/NDF: 695280.1/45

All: 1844.571+/-0.169 χ^2/NDF: 1474836.8/94

- sign 1849.772+/-0.240 χ^2/NDF: 778622.4/48

asym_at1_dd_cor_correction_mean vs Slug



Right In: 436.836+/-231.872 χ^2/NDF: 28.6/20

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 295.095+/-221.486 χ^2/NDF: 25.0/25

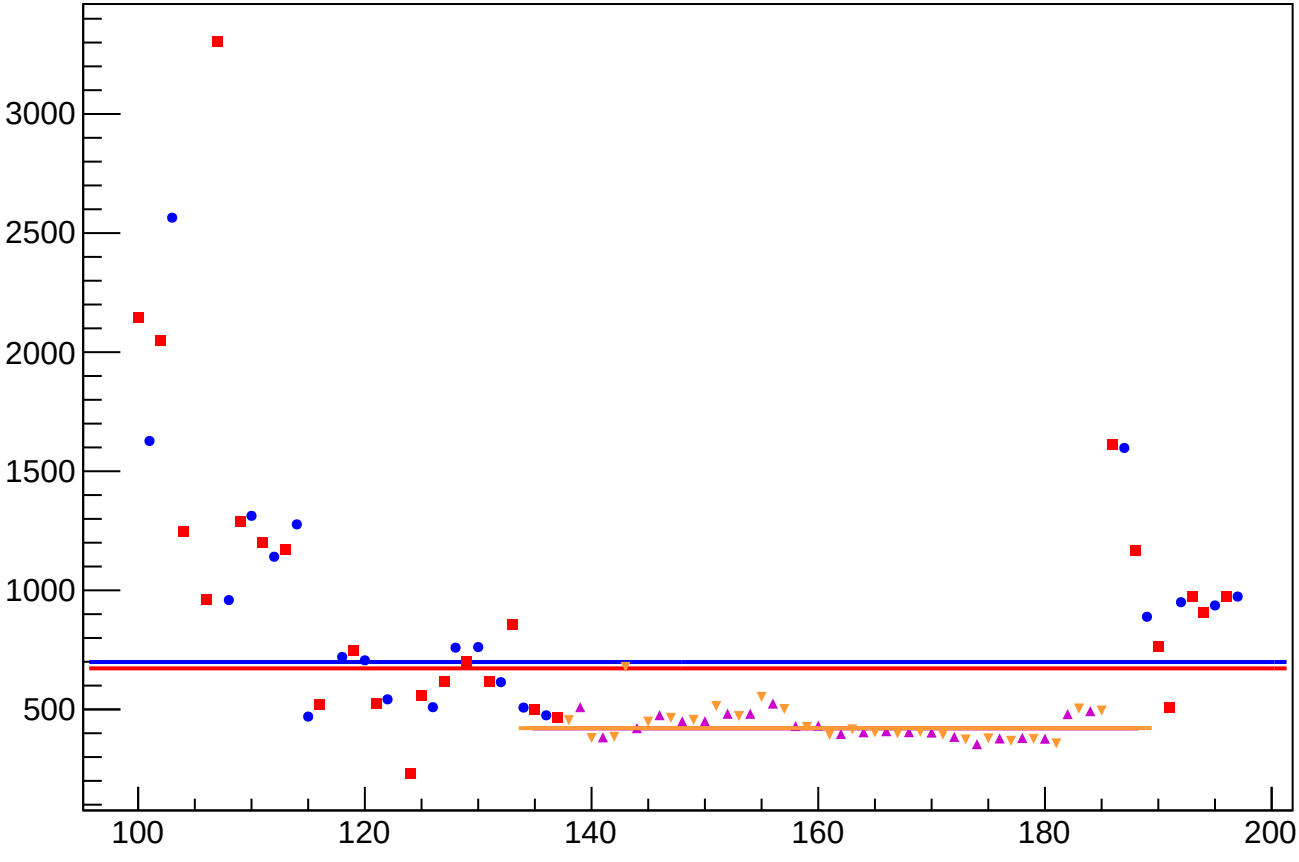
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 387.908+/-89.496 χ^2/NDF: 90.9/45

All: 224.910+/-63.588 χ^2/NDF: 155.1/94

- sign 58.738+/-90.363 χ^2/NDF: 57.5/48

asym_at1_dd_cor_correction_rms vs Slug



Right In: 698.970+/-0.164 χ^2/NDF: 2726003.1/20

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 672.341+/-0.157 χ^2/NDF: 4163765.2/25

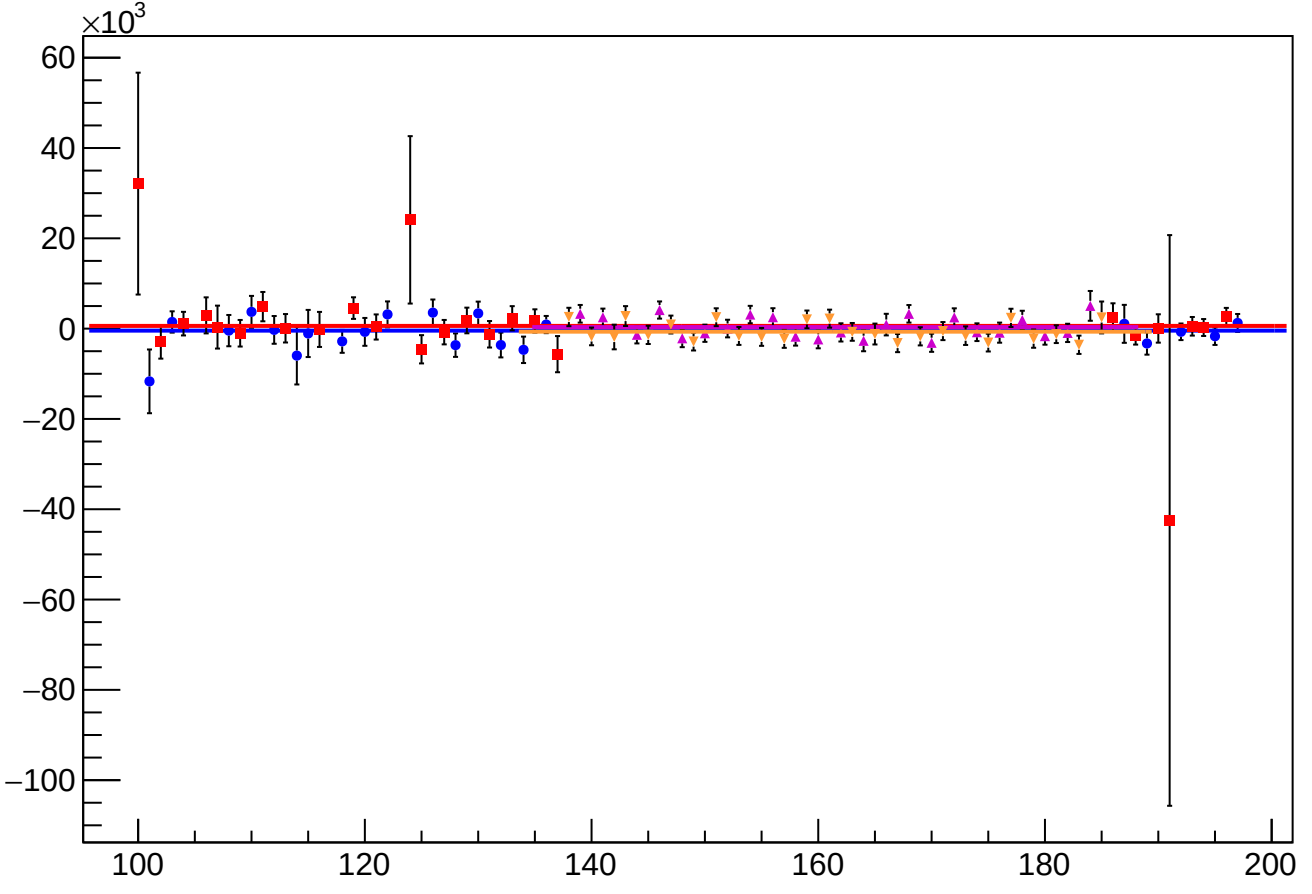
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 462.768+/-0.063 χ^2/NDF: 5907705.2/45

All: 462.479+/-0.045 χ^2/NDF: 12644870.9/94

- sign 462.185+/-0.064 χ^2/NDF: 6737123.7/48

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -442.487+/-588.277 χ^2/NDF: 19.9/20

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 602.042+/-569.374 χ^2/NDF: 19.2/25

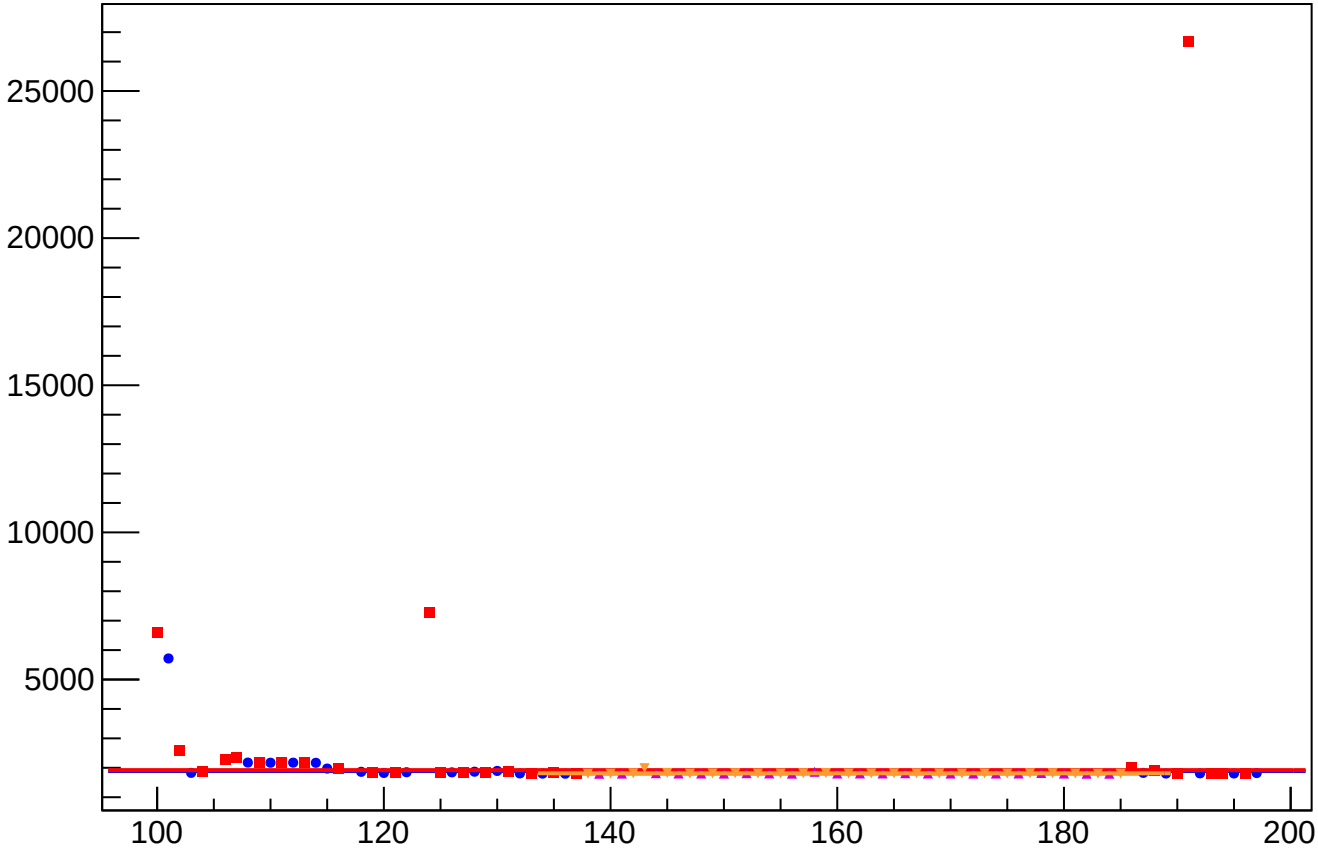
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -595.101+/-337.581 χ^2/NDF: 44.8/45

All: -82.801+/-239.347 χ^2/NDF: 98.8/94

- sign 435.038+/-339.401 χ^2/NDF: 49.4/48

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1890.325+/-0.416 χ^2/NDF: 659854.1/20

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1921.100+/-0.403 χ^2/NDF: 727967.7/25

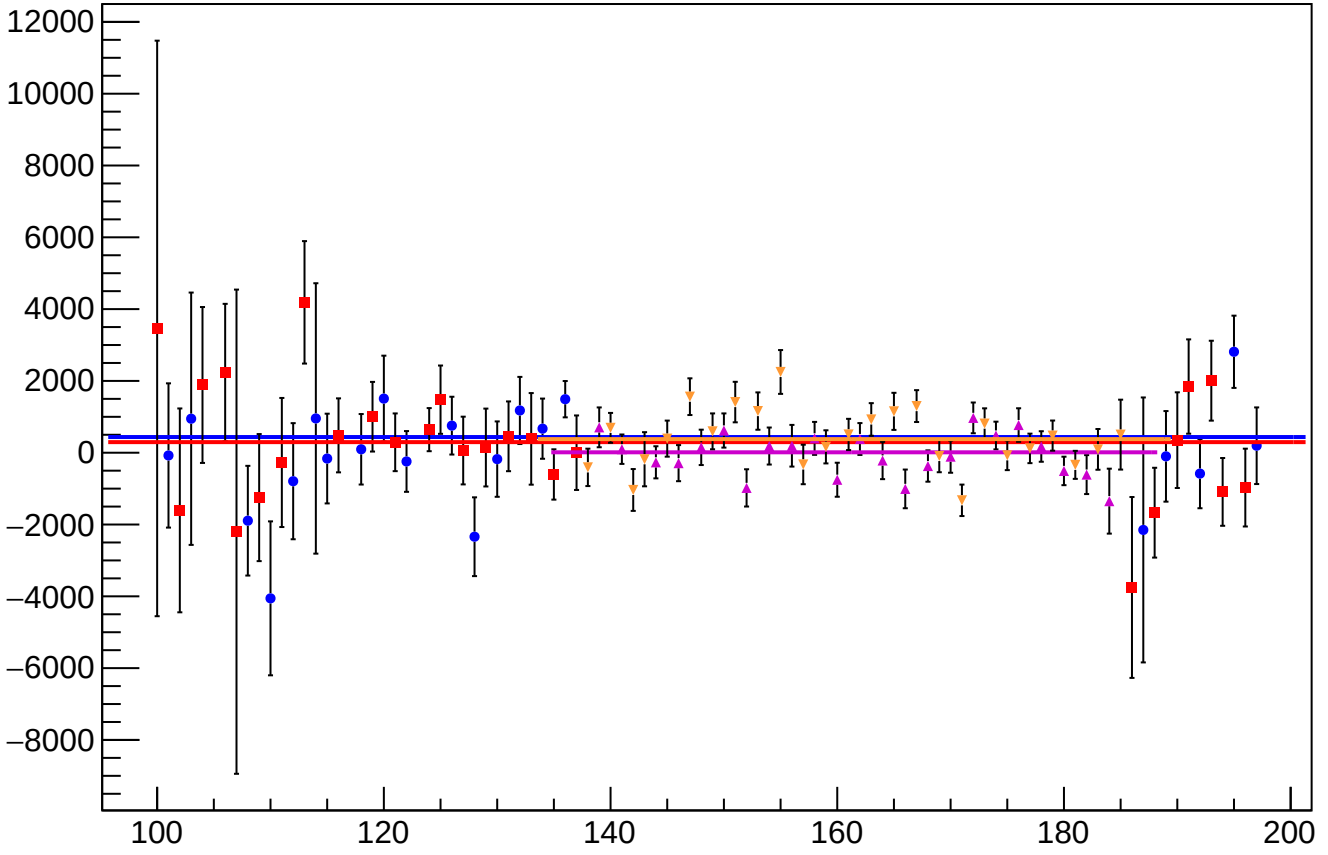
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1839.425+/-0.239 χ^2/NDF: 695280.1/45

All: 1844.571+/-0.169 χ^2/NDF: 1474836.8/94

- sign 1849.772+/-0.240 χ^2/NDF: 778622.4/48

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 436.836+/-231.872 χ^2/NDF: 28.6/20

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 295.095+/-221.486 χ^2/NDF: 25.0/25

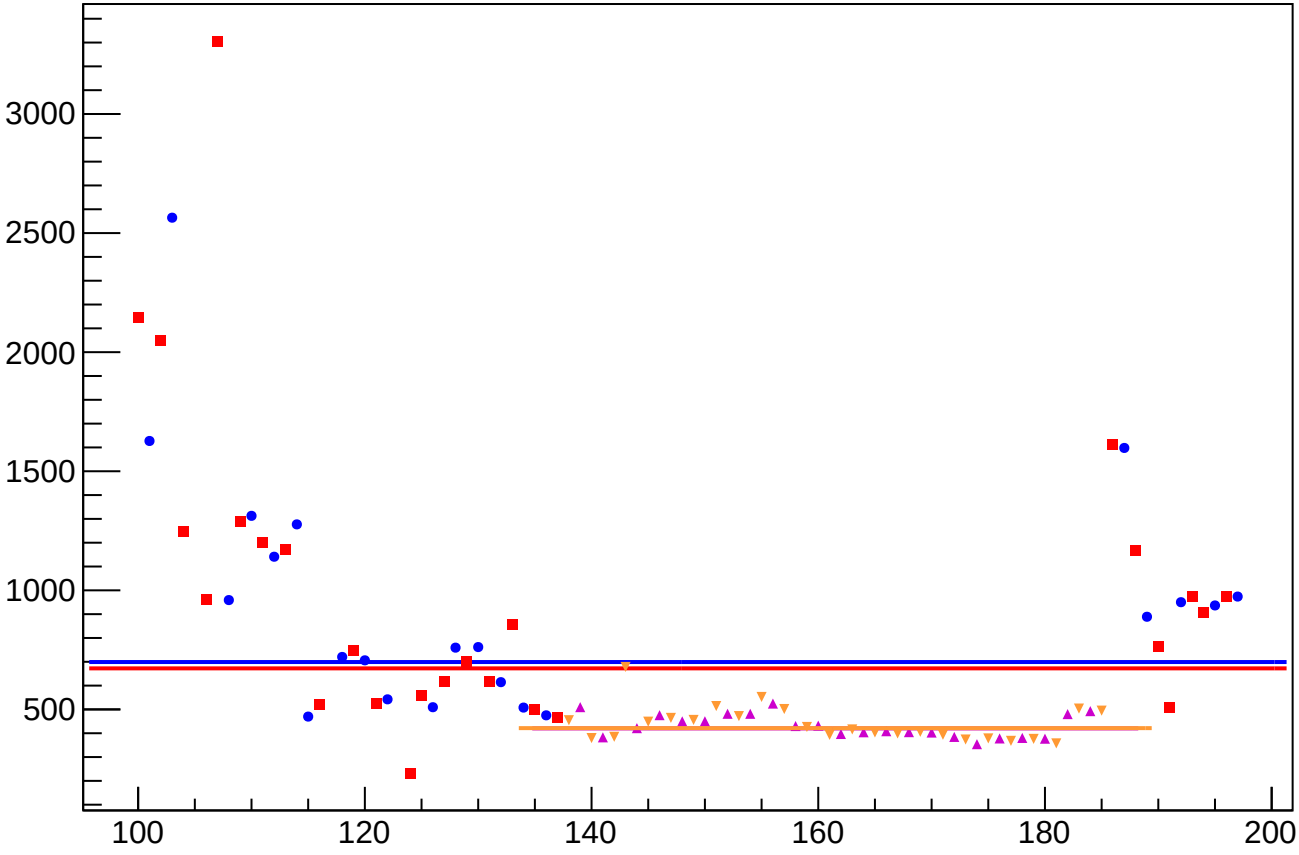
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 387.908+/-89.496 χ^2/NDF: 90.9/45

All: 224.910+/-63.588 χ^2/NDF: 155.1/94

- sign 58.738+/-90.363 χ^2/NDF: 57.5/48

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 698.970+/-0.164 χ^2/NDF: 2726003.1/20

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 672.341+/-0.157 χ^2/NDF: 4163765.2/25

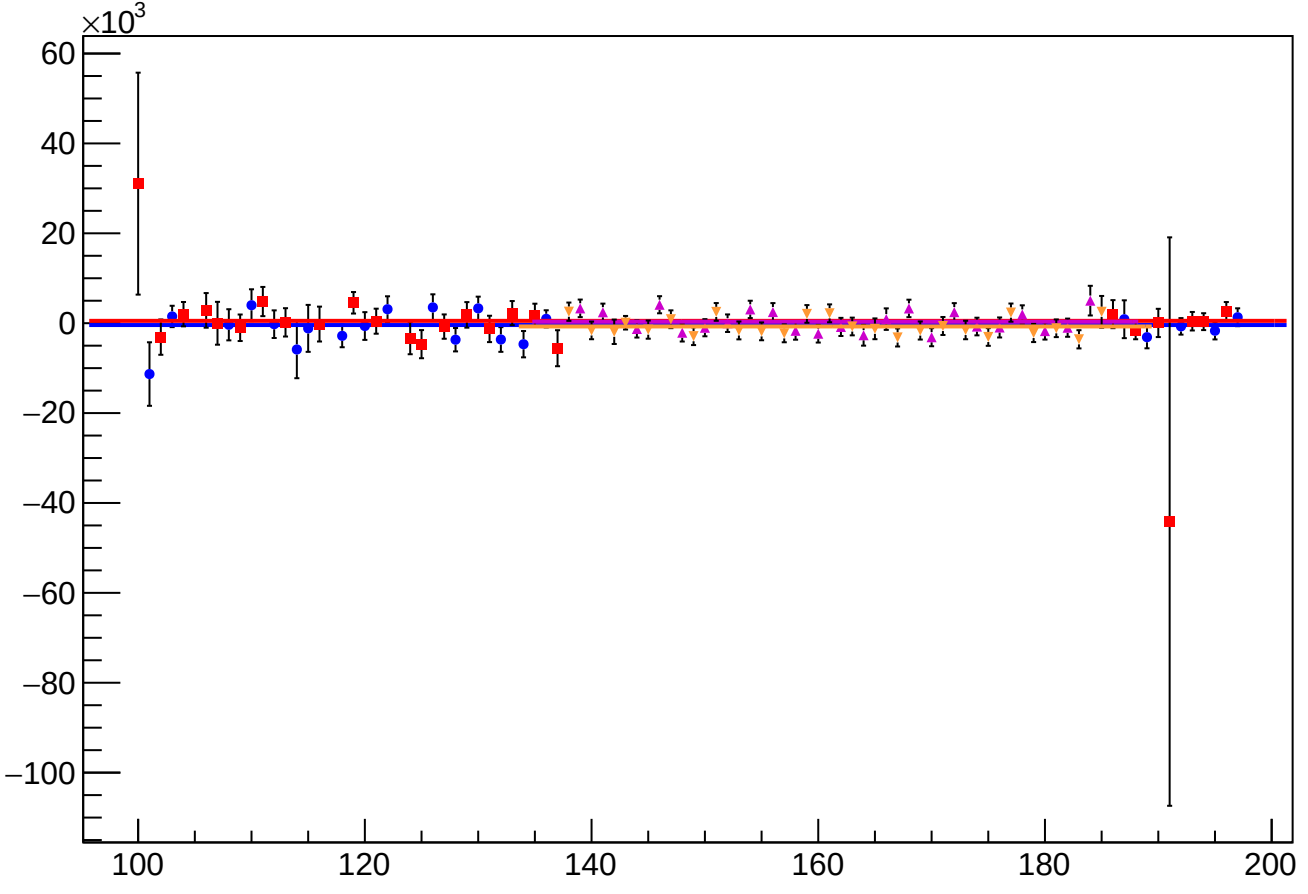
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 462.768+/-0.063 χ^2/NDF: 5907705.2/45

All: 462.479+/-0.045 χ^2/NDF: 12644870.9/94

- sign 462.185+/-0.064 χ^2/NDF: 6737123.7/48

dit_asym_at1_dd_mean vs Slug



Right In: -411.536+/-588.997 χ^2/NDF: 19.7/20

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 522.676+/-564.234 χ^2/NDF: 18.8/25

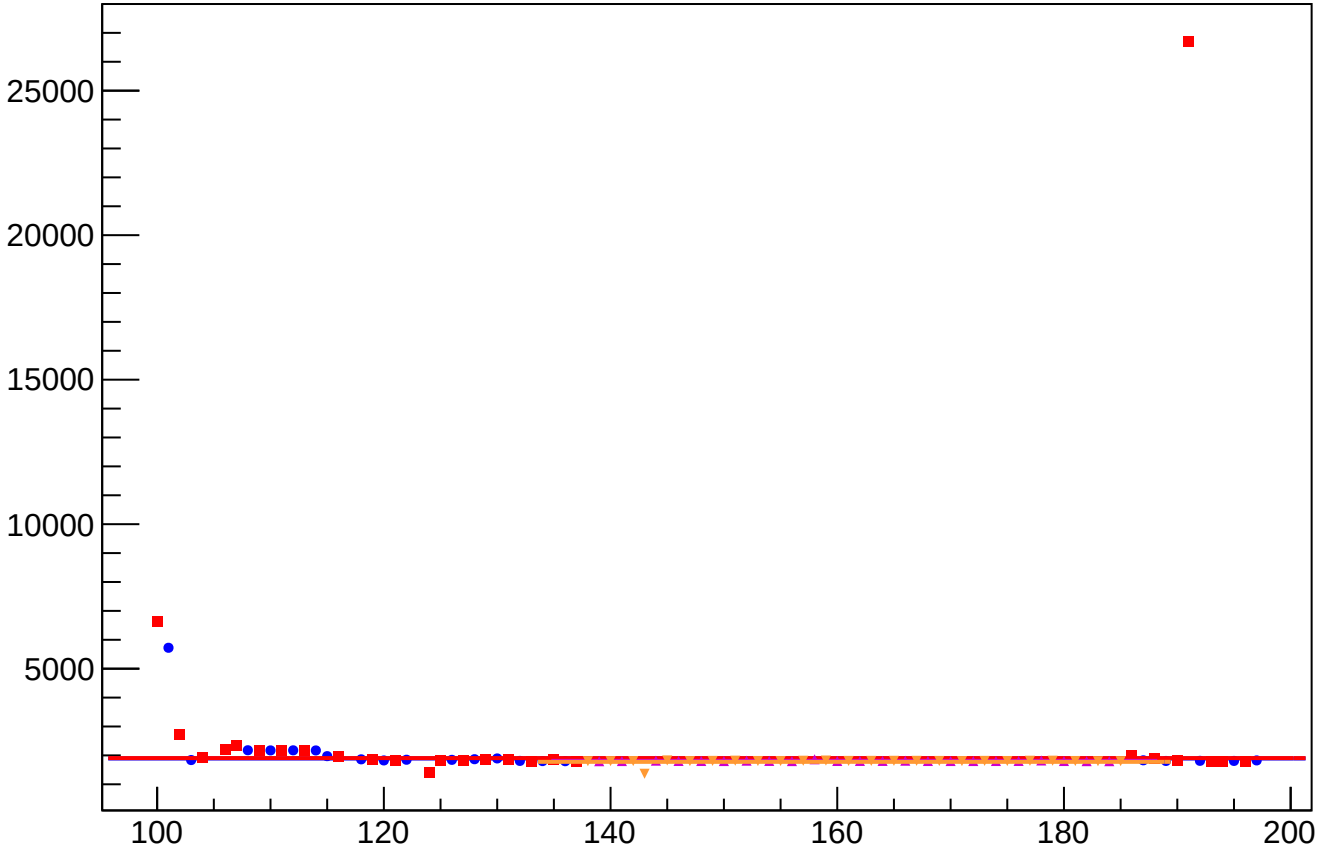
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -624.246+/-333.394 χ^2/NDF: 42.1/45

All: -116.528+/-237.488 χ^2/NDF: 95.3/94

- sign 406.483+/-338.378 χ^2/NDF: 48.5/48

dit_asym_at1_dd_rms vs Slug



Right In: 1892.464+/-0.416 χ^2/NDF: 659395.6/20

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1906.678+/-0.399 χ^2/NDF: 611836.3/25

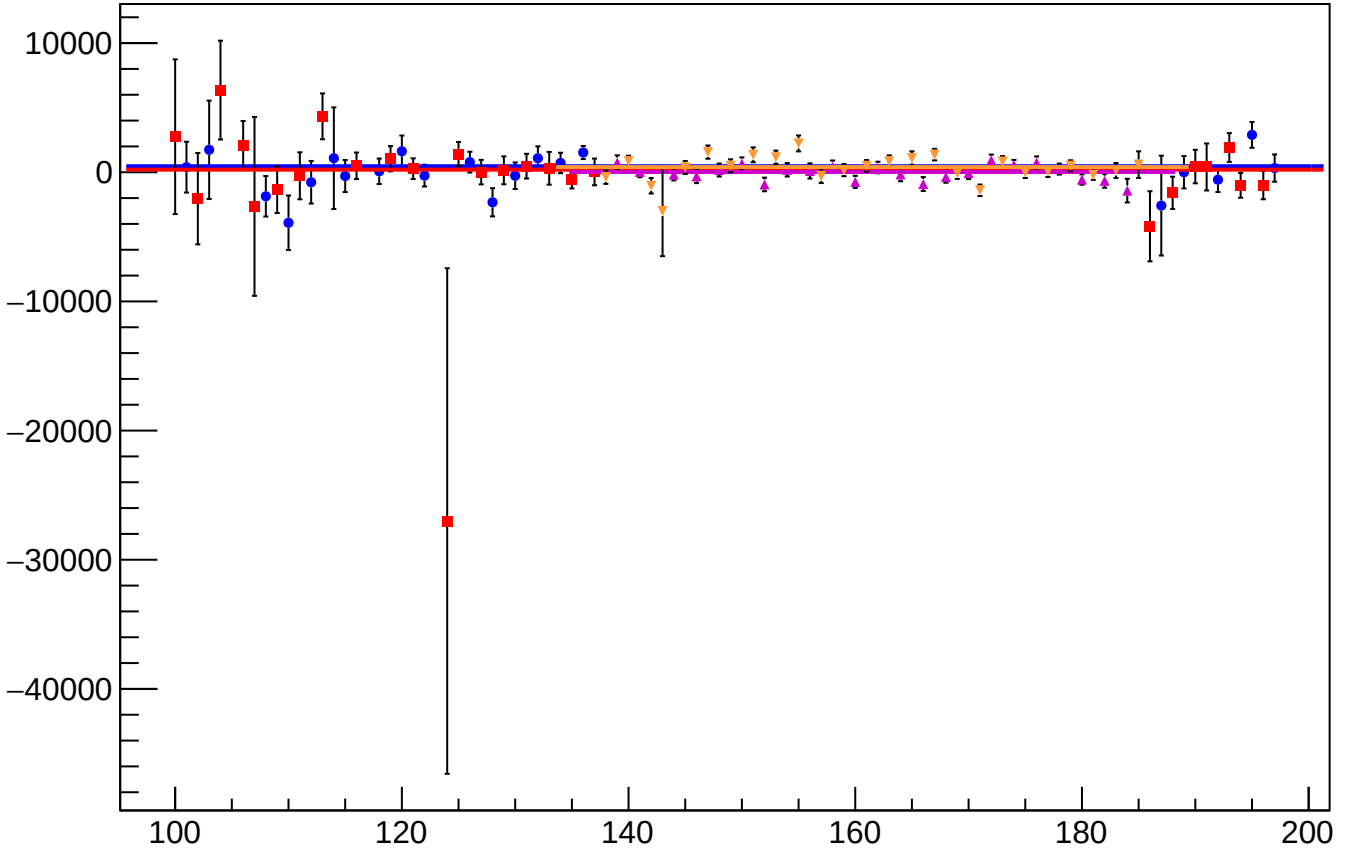
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.805+/-0.236 χ^2/NDF: 873177.3/45

All: 1829.400+/-0.168 χ^2/NDF: 1532624.1/94

- sign 1845.465+/-0.239 χ^2/NDF: 650562.9/48

asym_at1_dd_dit_correction_mean vs Slug



Right In: 465.014+/-230.249 χ^2/NDF: 29.4/20

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 200.846+/-241.163 χ^2/NDF: 26.2/25

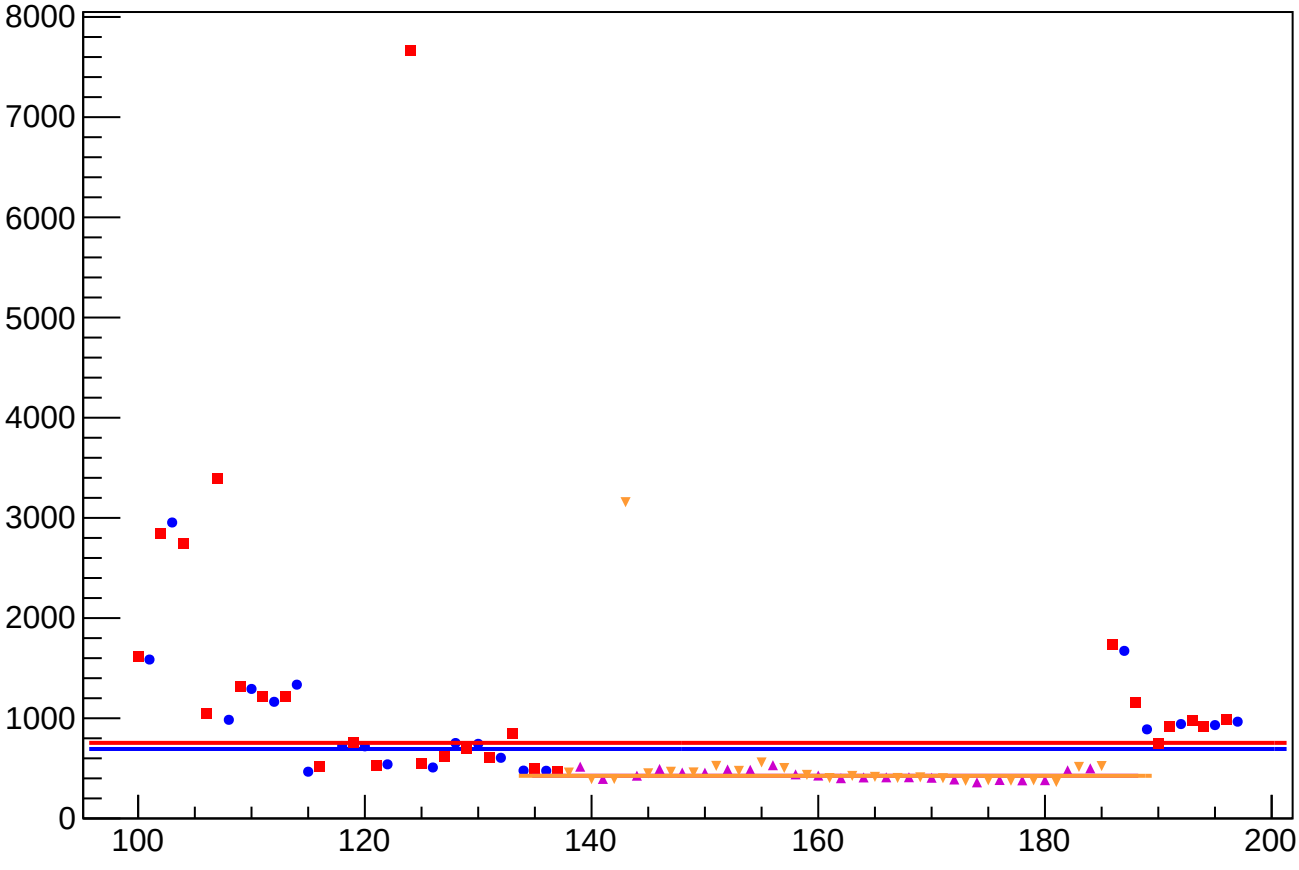
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 408.712+/-91.077 χ^2/NDF: 89.9/45

All: 231.257+/-64.927 χ^2/NDF: 155.2/94

- sign 47.891+/-92.582 χ^2/NDF: 57.5/48

asym_at1_dd_dit_correction_rms vs Slug



Right In: 693.432+/-0.163 χ^2/NDF: 2911712.4/20

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 754.465+/-0.171 χ^2/NDF: 3943692.3/25

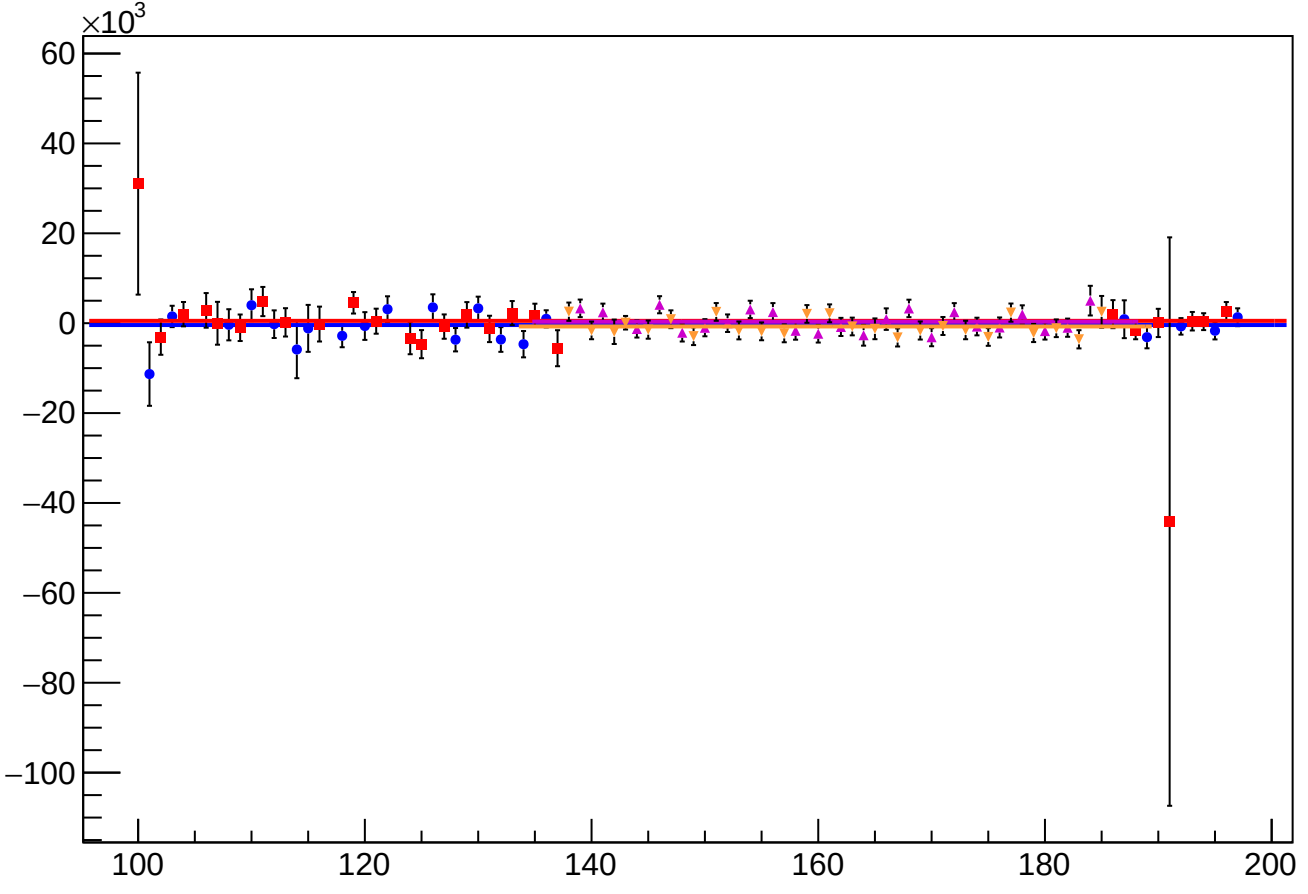
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 467.588+/-0.064 χ^2/NDF: 6910977.6/45

All: 471.003+/-0.046 χ^2/NDF: 14436347.1/94

- sign 474.531+/-0.065 χ^2/NDF: 7519653.8/48

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -411.537+/-588.997 χ^2/NDF: 19.7/20

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 522.675+/-564.234 χ^2/NDF: 18.8/25

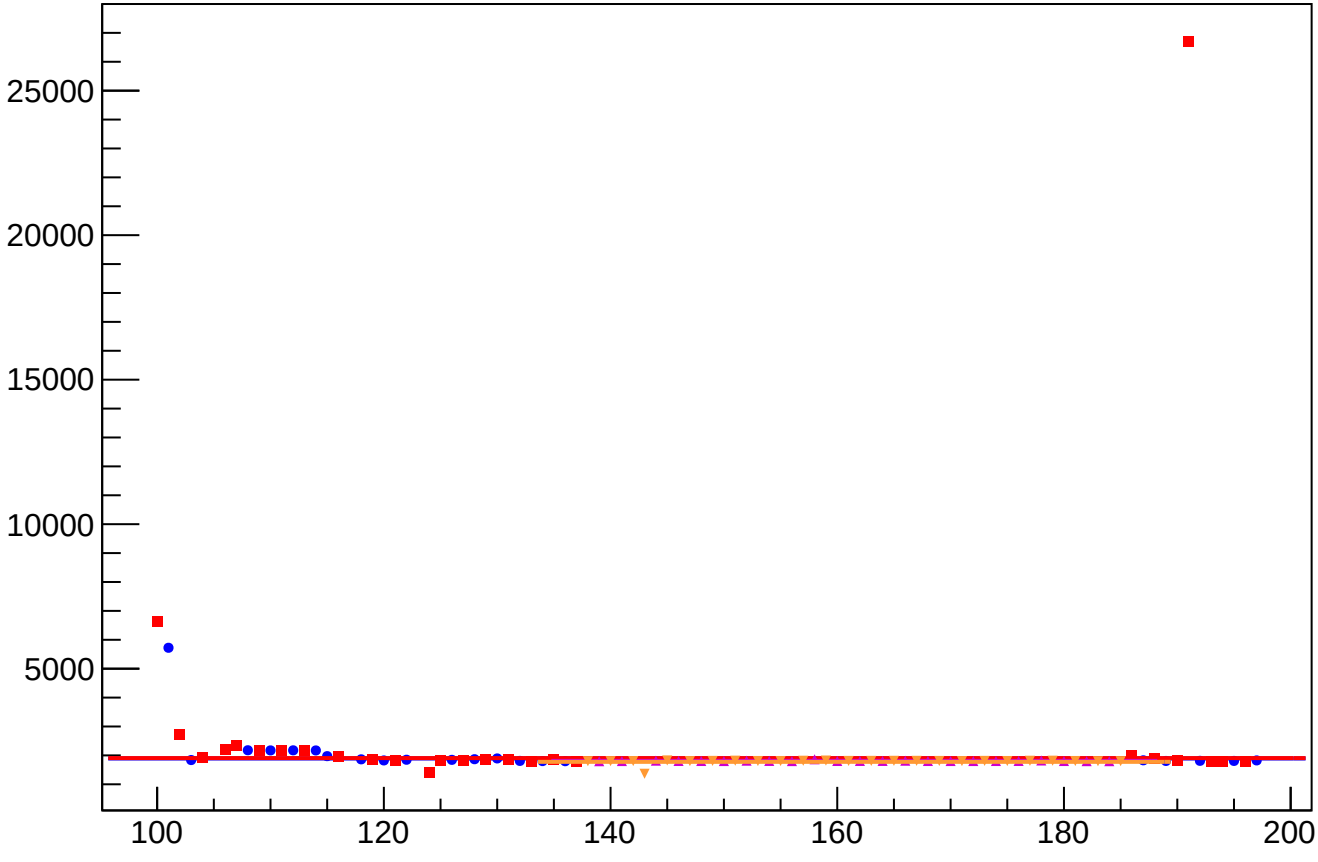
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -624.247+/-333.394 χ^2/NDF: 42.1/45

All: -116.529+/-237.488 χ^2/NDF: 95.3/94

- sign 406.483+/-338.378 χ^2/NDF: 48.5/48

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1892.464+/-0.416 χ^2/NDF: 659395.7/20

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1906.678+/-0.399 χ^2/NDF: 611836.2/25

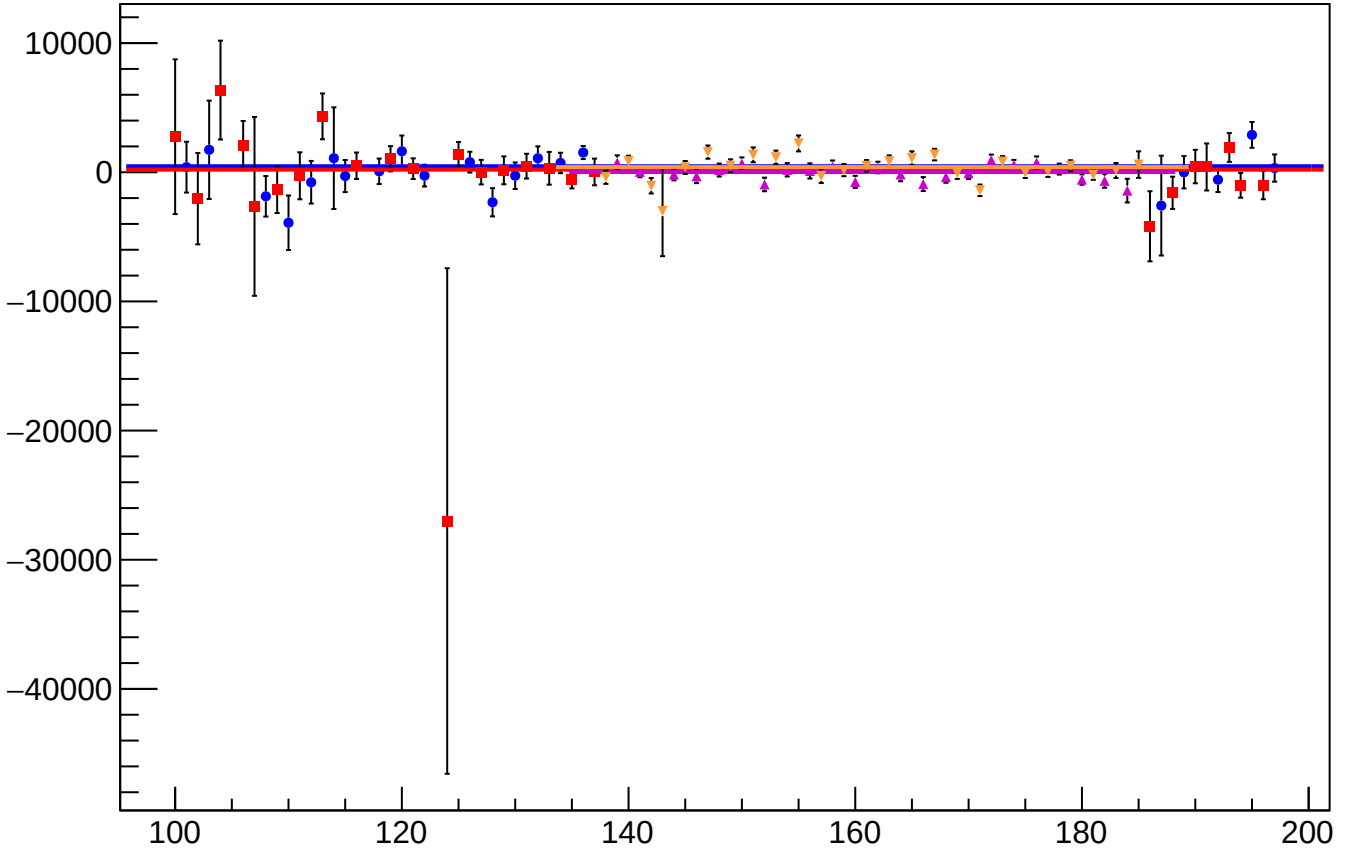
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.805+/-0.236 χ^2/NDF: 873177.3/45

All: 1829.400+/-0.168 χ^2/NDF: 1532623.9/94

- sign 1845.465+/-0.239 χ^2/NDF: 650562.7/48

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 465.012+/-230.249 χ^2/NDF: 29.4/20

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 200.846+/-241.163 χ^2/NDF: 26.2/25

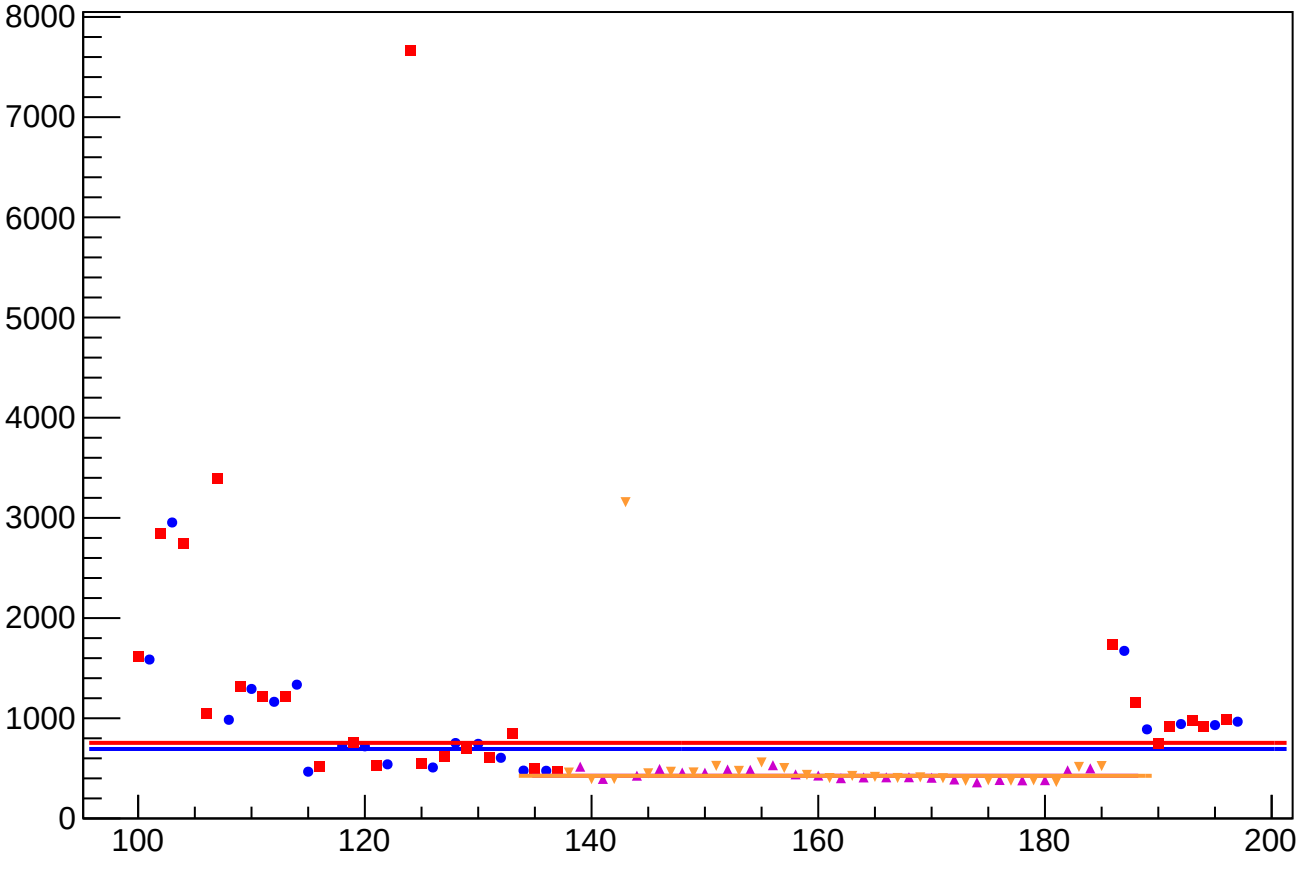
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 408.711+/-91.077 χ^2/NDF: 89.9/45

All: 231.257+/-64.927 χ^2/NDF: 155.2/94

- sign 47.891+/-92.581 χ^2/NDF: 57.5/48

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 693.432+/-0.163 χ^2/NDF: 2911713.4/20

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

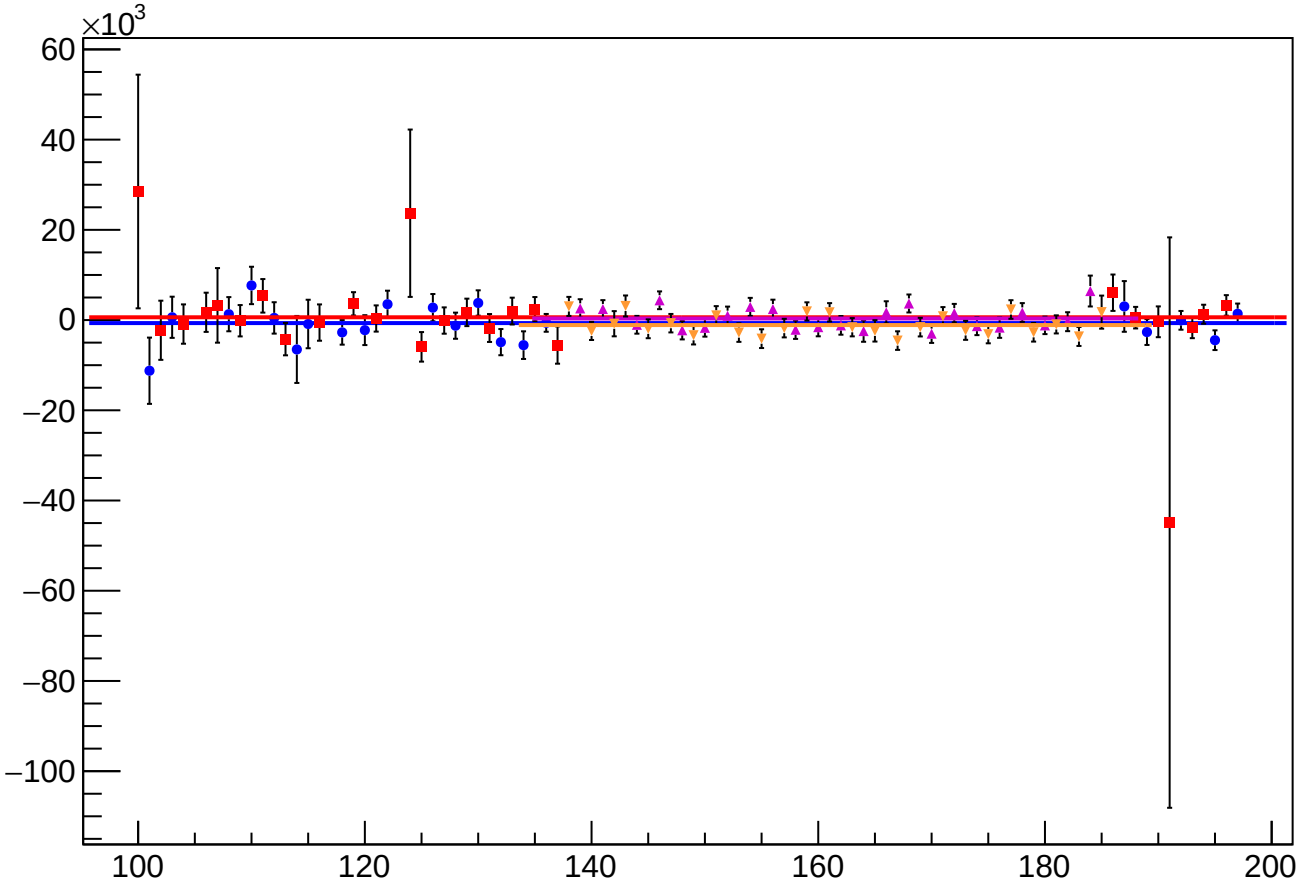
Right Out: 754.465+/-0.171 χ^2/NDF: 3943694.4/25

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 467.588+/-0.064 χ^2/NDF: 6910984.1/45

All: 471.002+/-0.046 χ^2/NDF: 14436360.4/94

- sign 474.531+/-0.065 χ^2/NDF: 7519660.5/48



Right In: -667.530+/-660.158 χ^2/NDF: 23.3/20

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 618.034+/-649.589 χ^2/NDF: 20.6/25

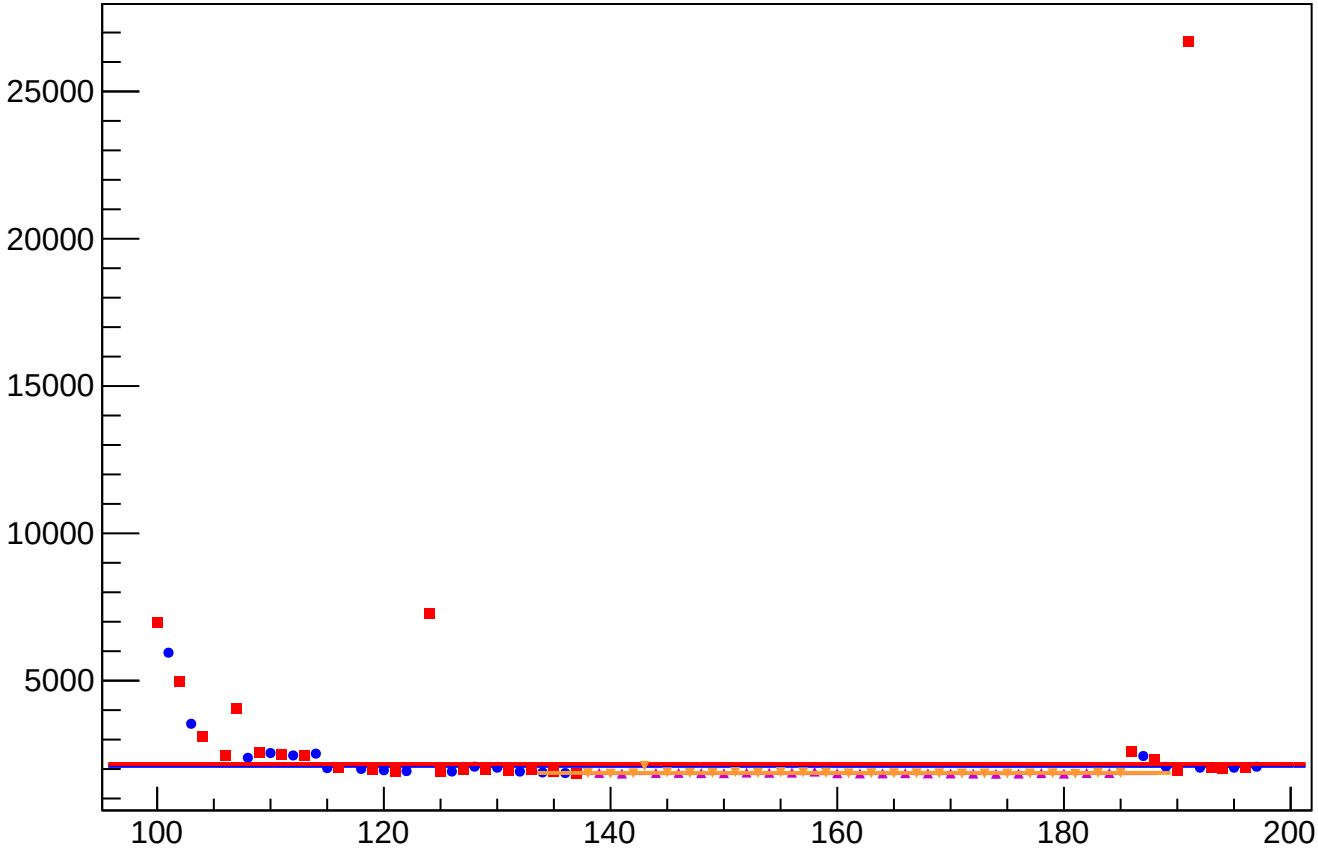
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -977.524+/-357.141 χ^2/NDF: 51.6/45

All: -281.707+/-254.033 χ^2/NDF: 108.8/94

- sign 430.854+/-361.412 χ^2/NDF: 49.5/48

asym_at1_dd_rms vs Slug



Right In: 2108.864+/-0.467 χ^2/NDF: 887208.7/20

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2169.749+/-0.459 χ^2/NDF: 1305423.6/25

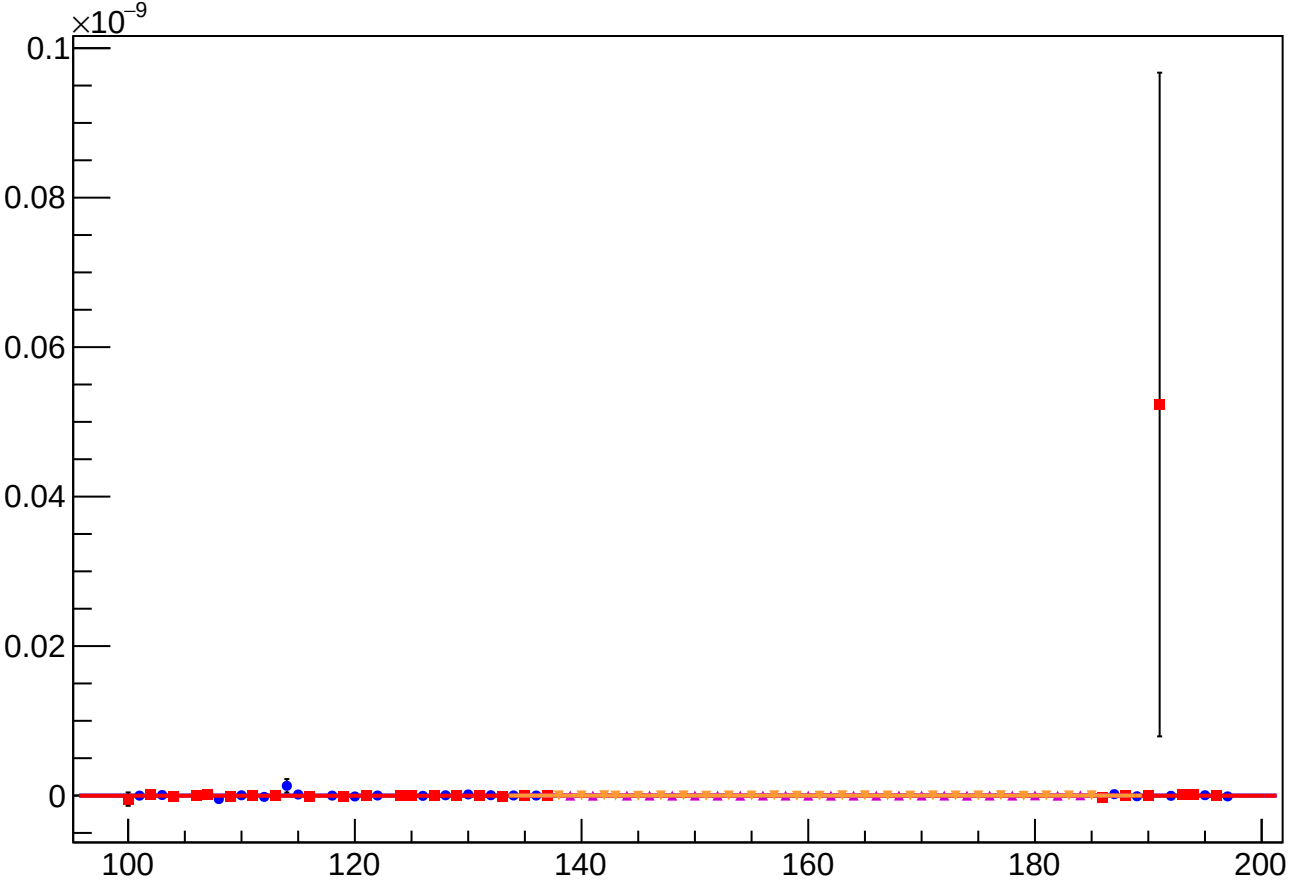
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1939.160+/-0.253 χ^2/NDF: 1097375.9/45

All: 1948.387+/-0.180 χ^2/NDF: 2716491.9/94

- sign 1957.835+/-0.256 χ^2/NDF: 1616414.1/48

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/25

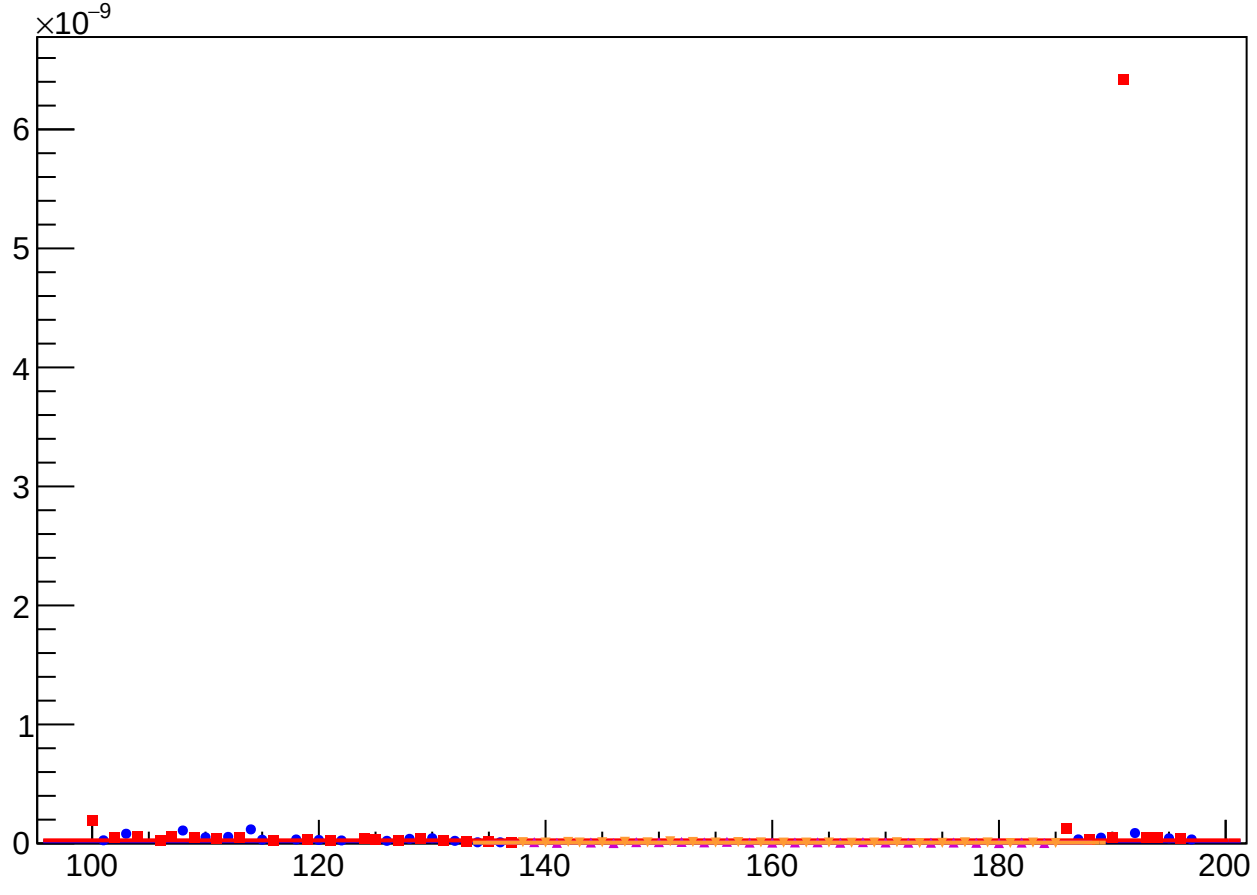
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.2/45

All: 0.000+/-0.000 χ^2/NDF: 104.7/94

- sign 0.000+/-0.000 χ^2/NDF: 39.8/48

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3367930.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2131352.8/25

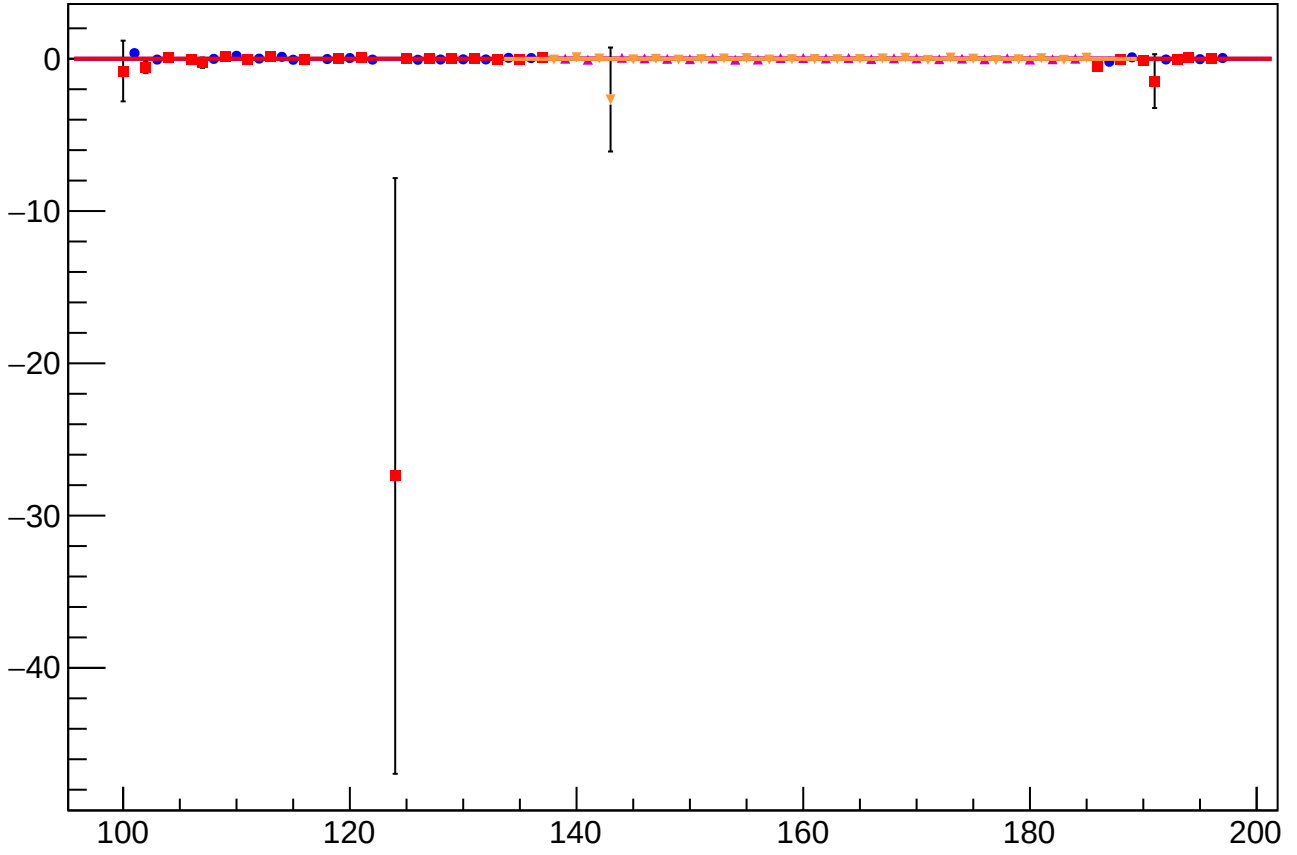
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7048820.1/45

All: 0.000+/-0.000 χ^2/NDF: 13991565.7/94

- sign 0.000+/-0.000 χ^2/NDF: 6940200.0/48

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.013 χ^2/NDF: 24.4/20

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.005+/-0.013 χ^2/NDF: 24.8/25

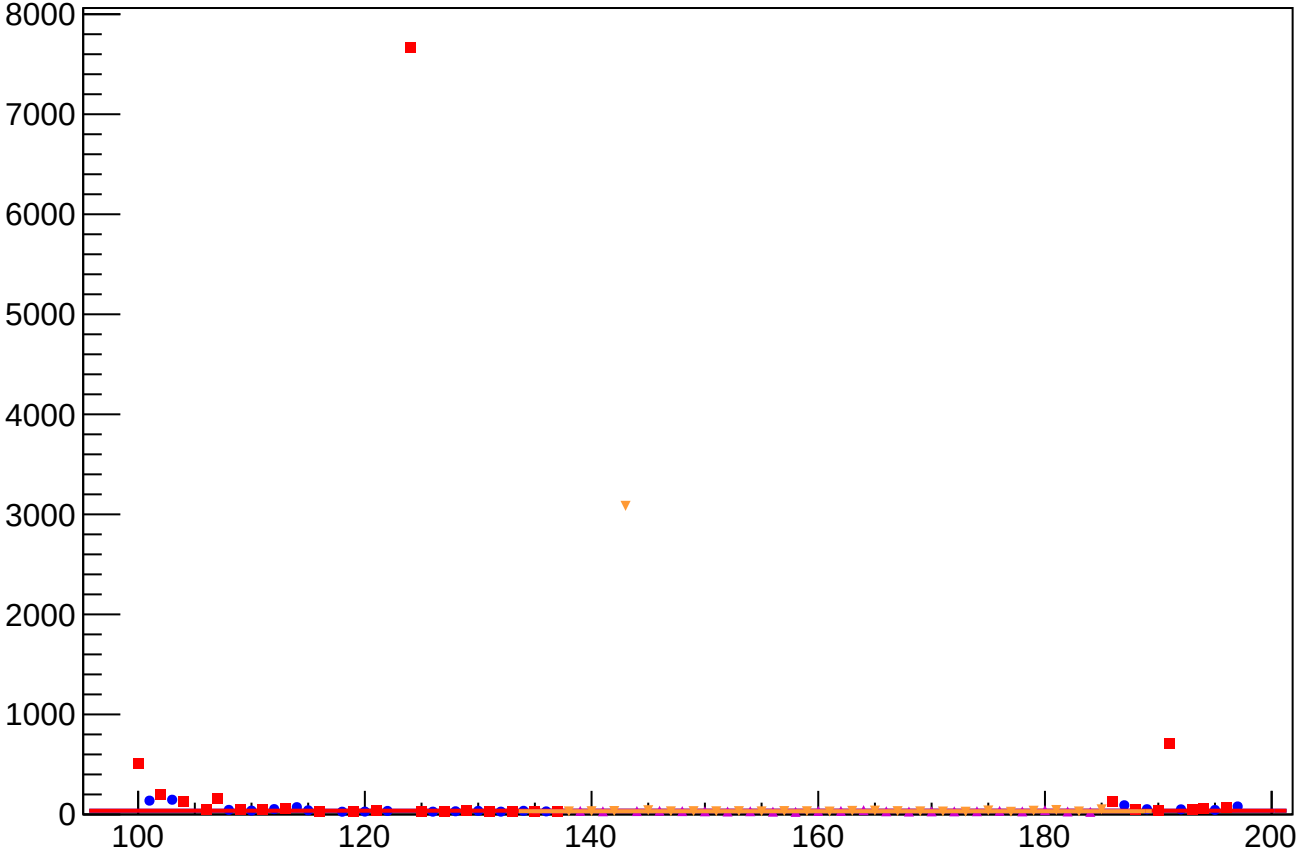
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 64.3/45

All: -0.002+/-0.005 χ^2/NDF: 111.2/94

- sign 0.004+/-0.007 χ^2/NDF: 45.7/48

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.327+/-0.010 χ^2/NDF: 2579448.0/20

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

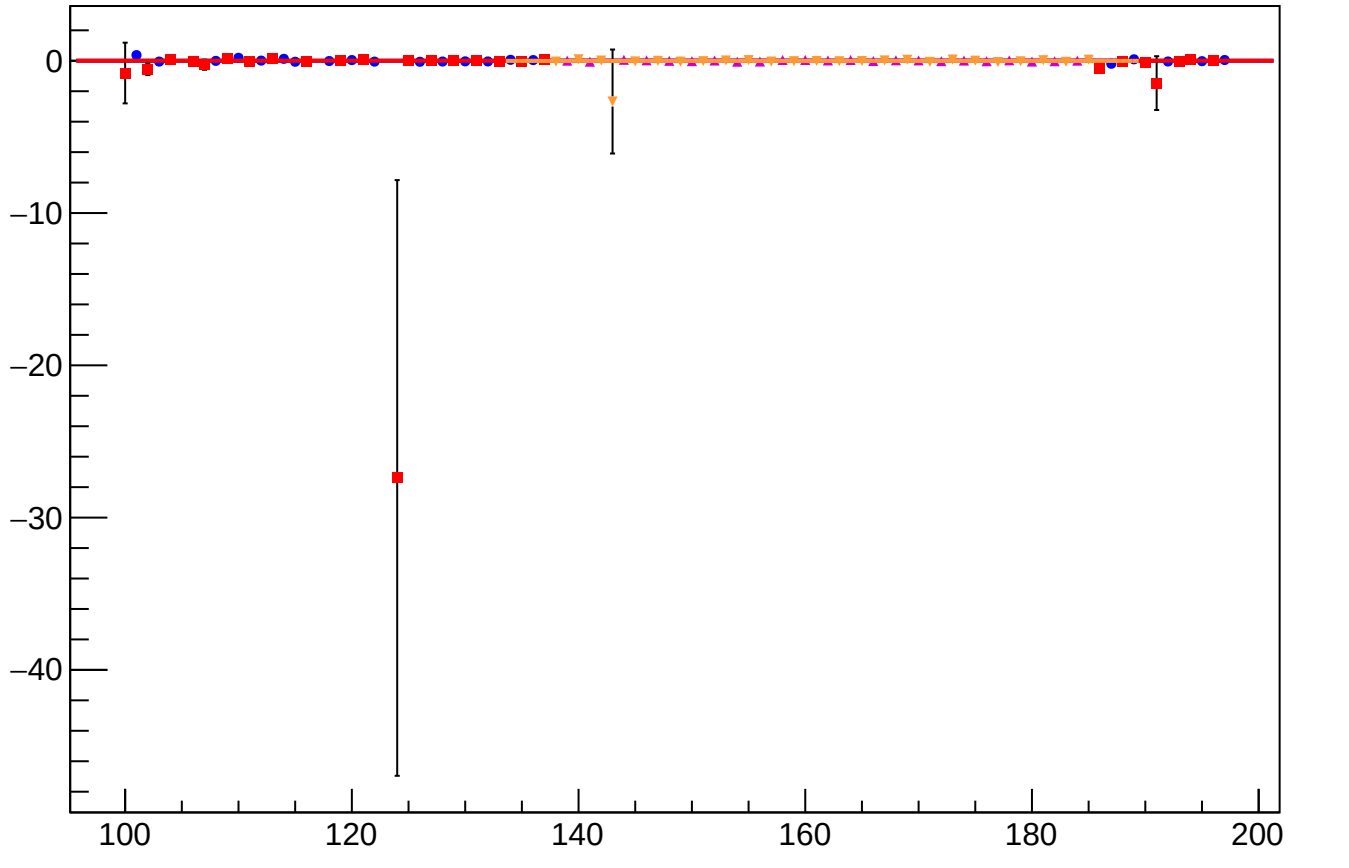
Right Out: 37.397+/-0.009 χ^2/NDF: 3584136.9/25

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 33.652+/-0.005 χ^2/NDF: 4905212.1/45

All: 33.739+/-0.004 χ^2/NDF: 9119712.3/94

- sign 33.827+/-0.005 χ^2/NDF: 4213877.0/48



Right In: -0.000+/-0.013 χ^2/NDF: 24.4/20

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.005+/-0.013 χ^2/NDF: 24.8/25

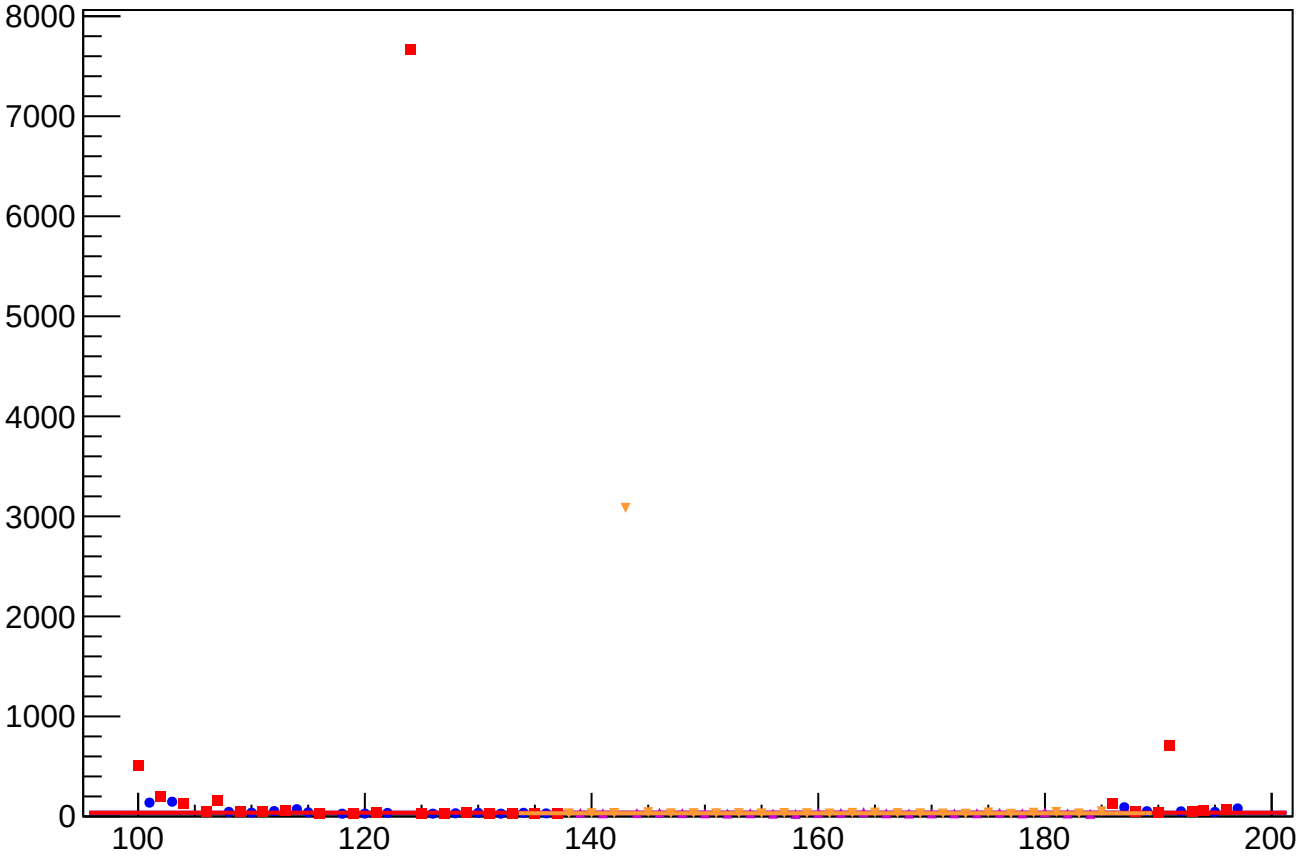
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 64.3/45

All: -0.002+/-0.005 χ^2/NDF: 111.2/94

- sign 0.004+/-0.007 χ^2/NDF: 45.7/48

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.327+/-0.010 χ^2/NDF: 2579448.0/20

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 37.397+/-0.009 χ^2/NDF: 3584136.9/25

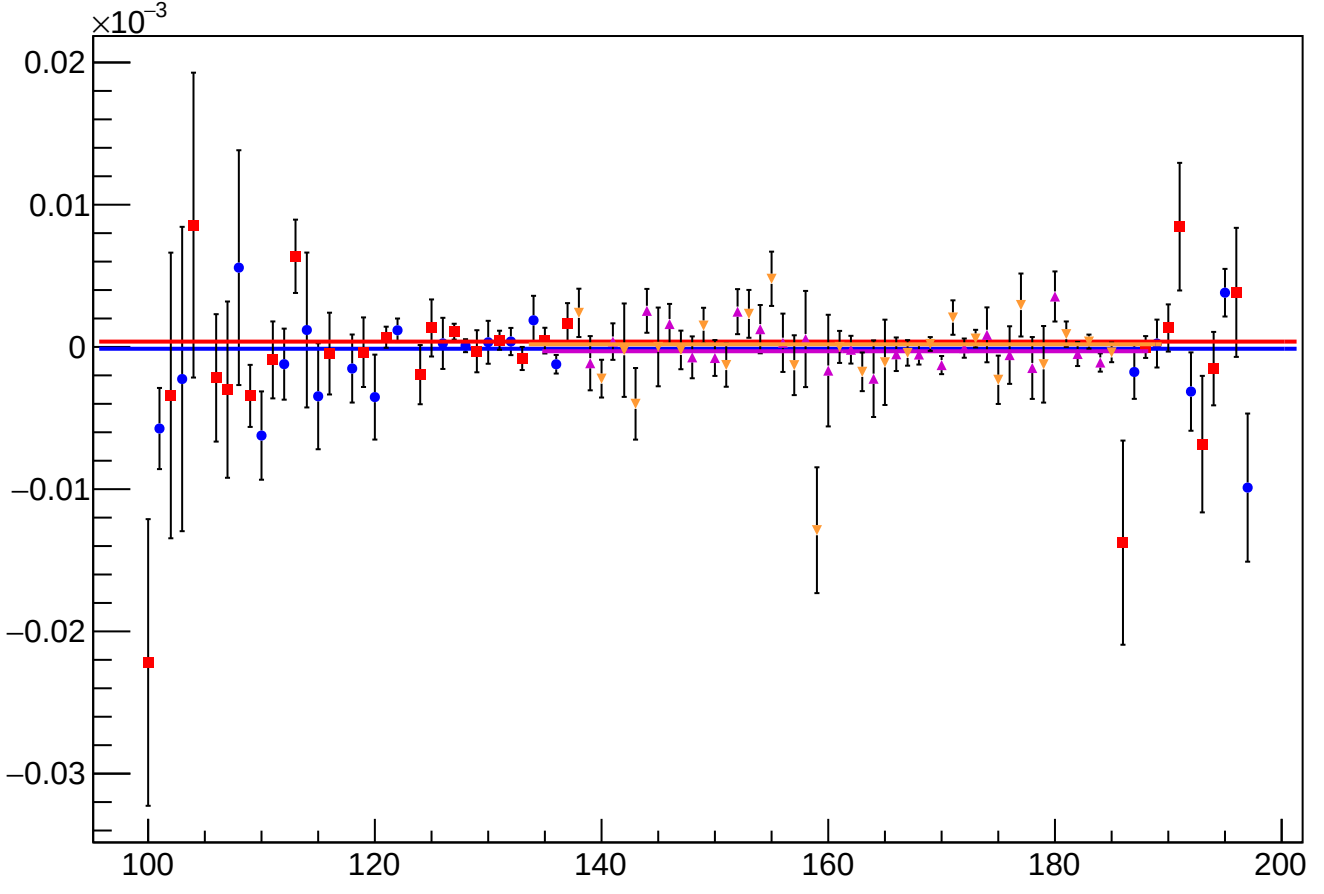
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 33.652+/-0.005 χ^2/NDF: 4905212.1/45

All: 33.739+/-0.004 χ^2/NDF: 9119712.3/94

- sign 33.827+/-0.005 χ^2/NDF: 4213877.0/48

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/25

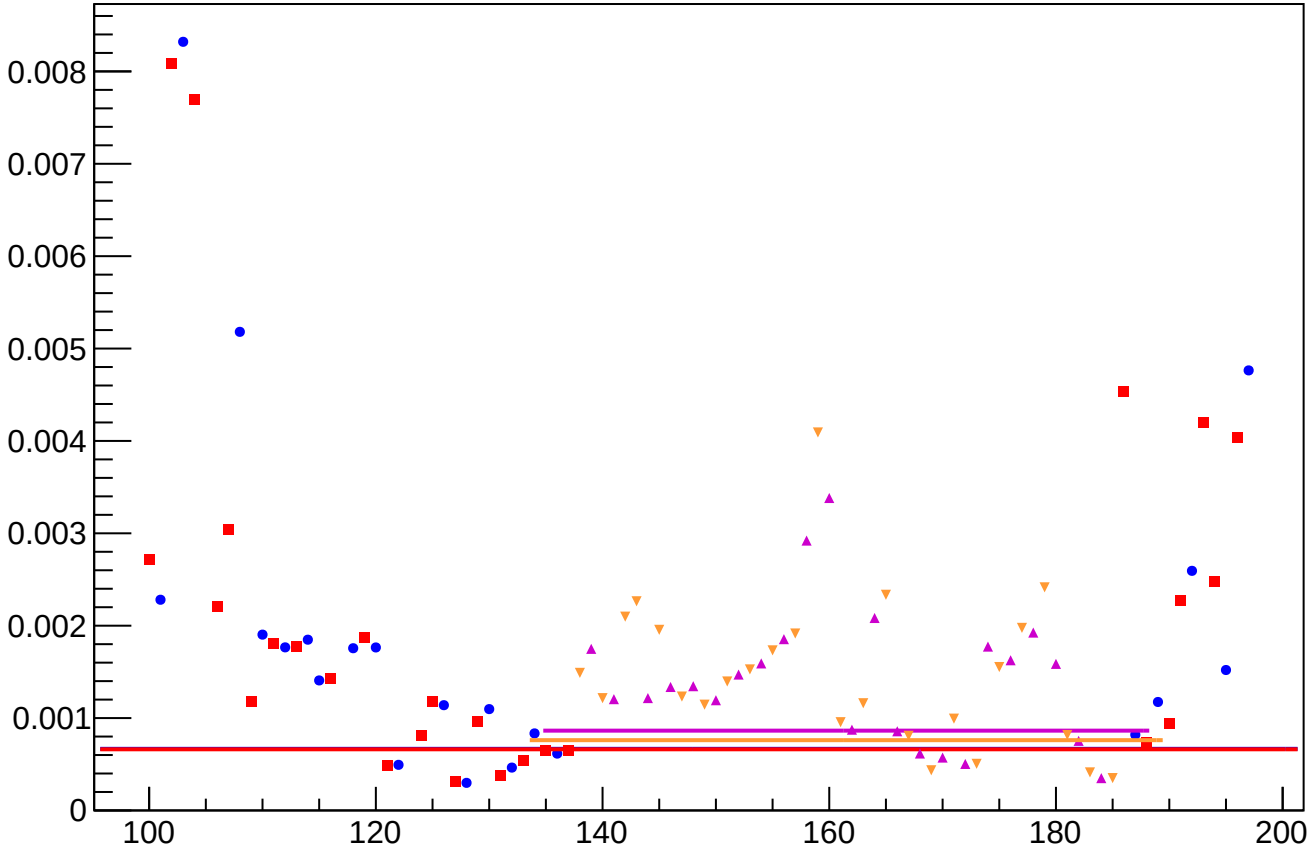
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.5/45

All: 0.000+/-0.000 χ^2/NDF: 124.2/94

- sign 0.000+/-0.000 χ^2/NDF: 56.6/48

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8564884.4/20

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

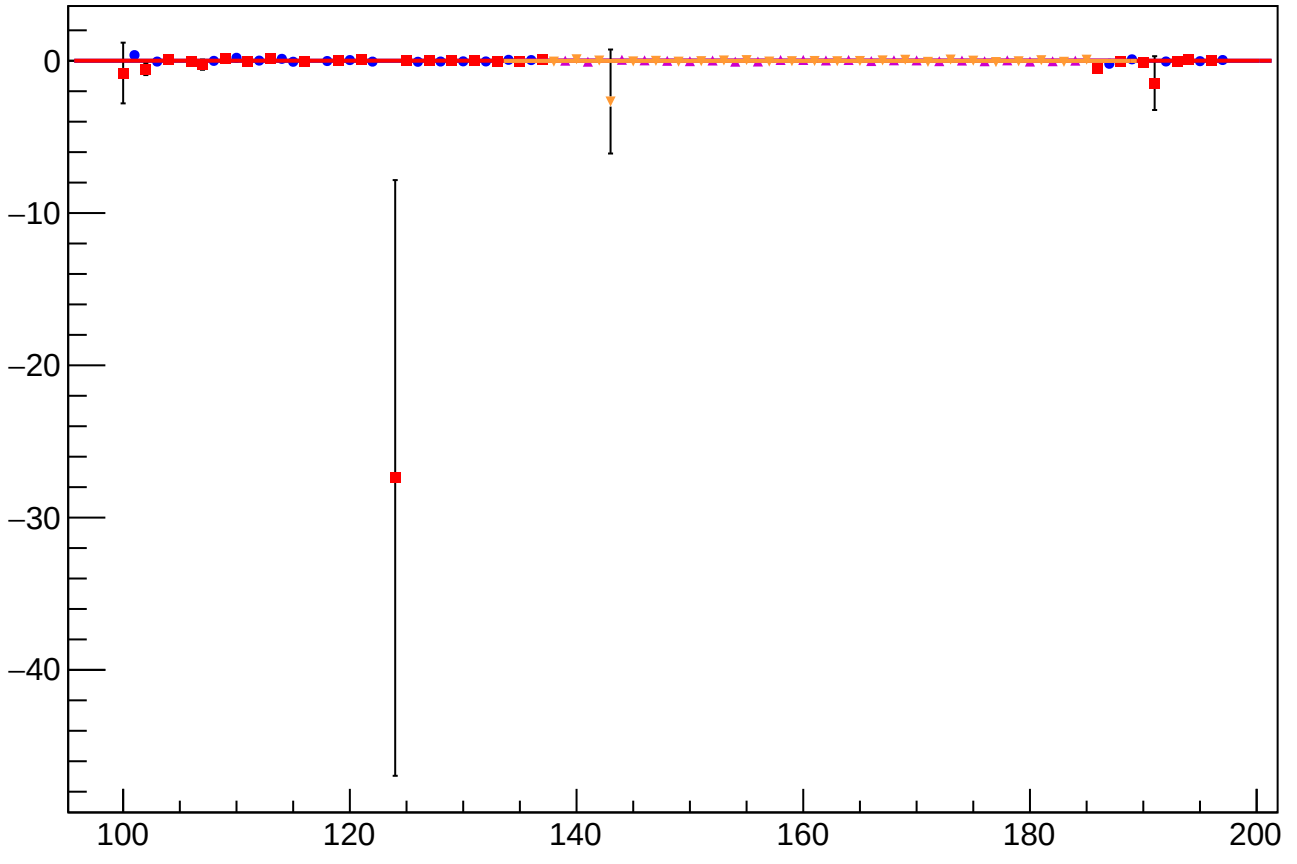
Right Out: 0.001+/-0.000 χ^2/NDF: 9684943.1/25

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 19793436.0/45

All: 0.001+/-0.000 χ^2/NDF: 38636907.3/94

- sign 0.001+/-0.000 χ^2/NDF: 18775467.7/48



Right In: -0.000+/-0.013 χ^2/NDF: 24.4/20

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.005+/-0.013 χ^2/NDF: 24.8/25

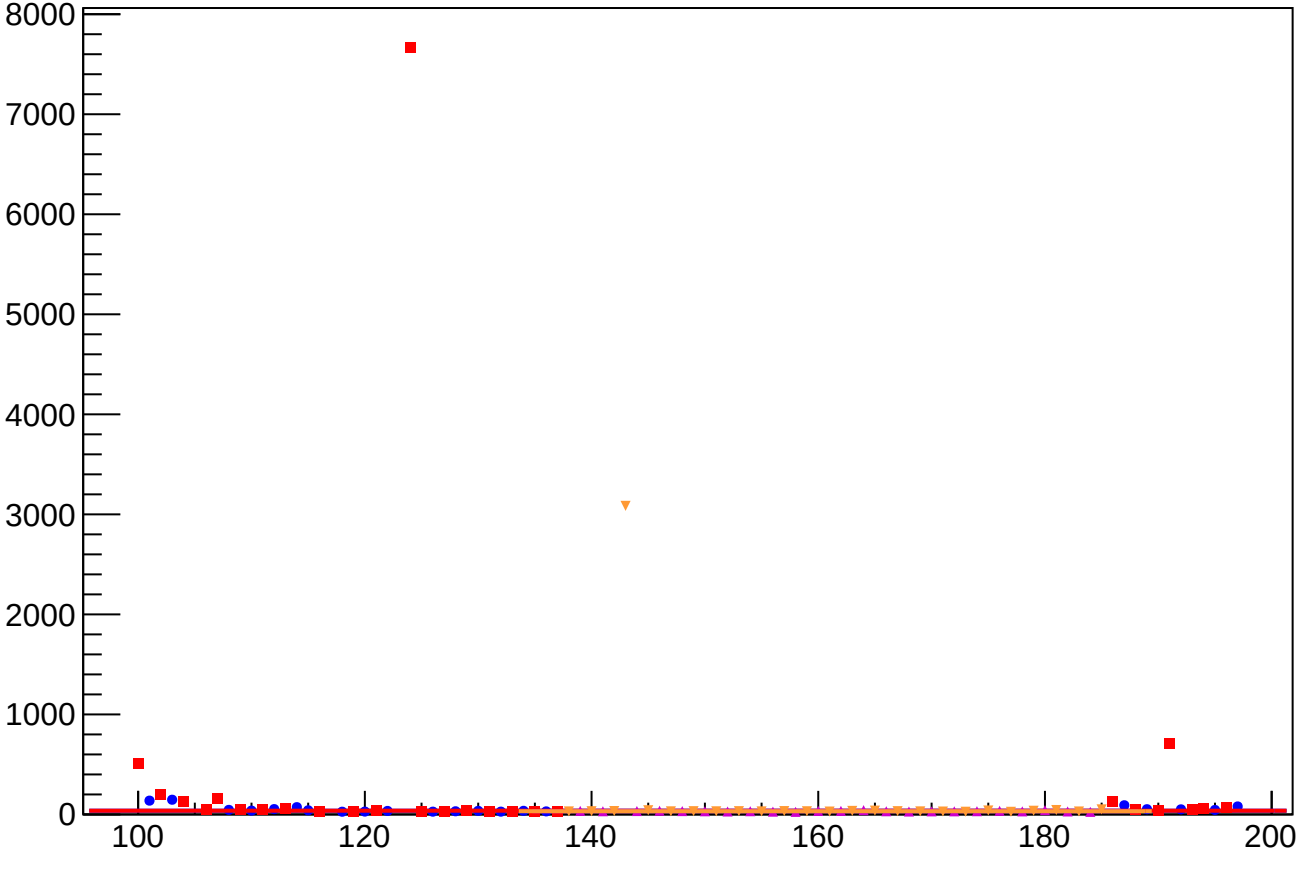
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 64.3/45

All: -0.002+/-0.005 χ^2/NDF: 111.2/94

- sign 0.004+/-0.007 χ^2/NDF: 45.7/48

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.327+/-0.010 χ^2/NDF: 2579414.7/20

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

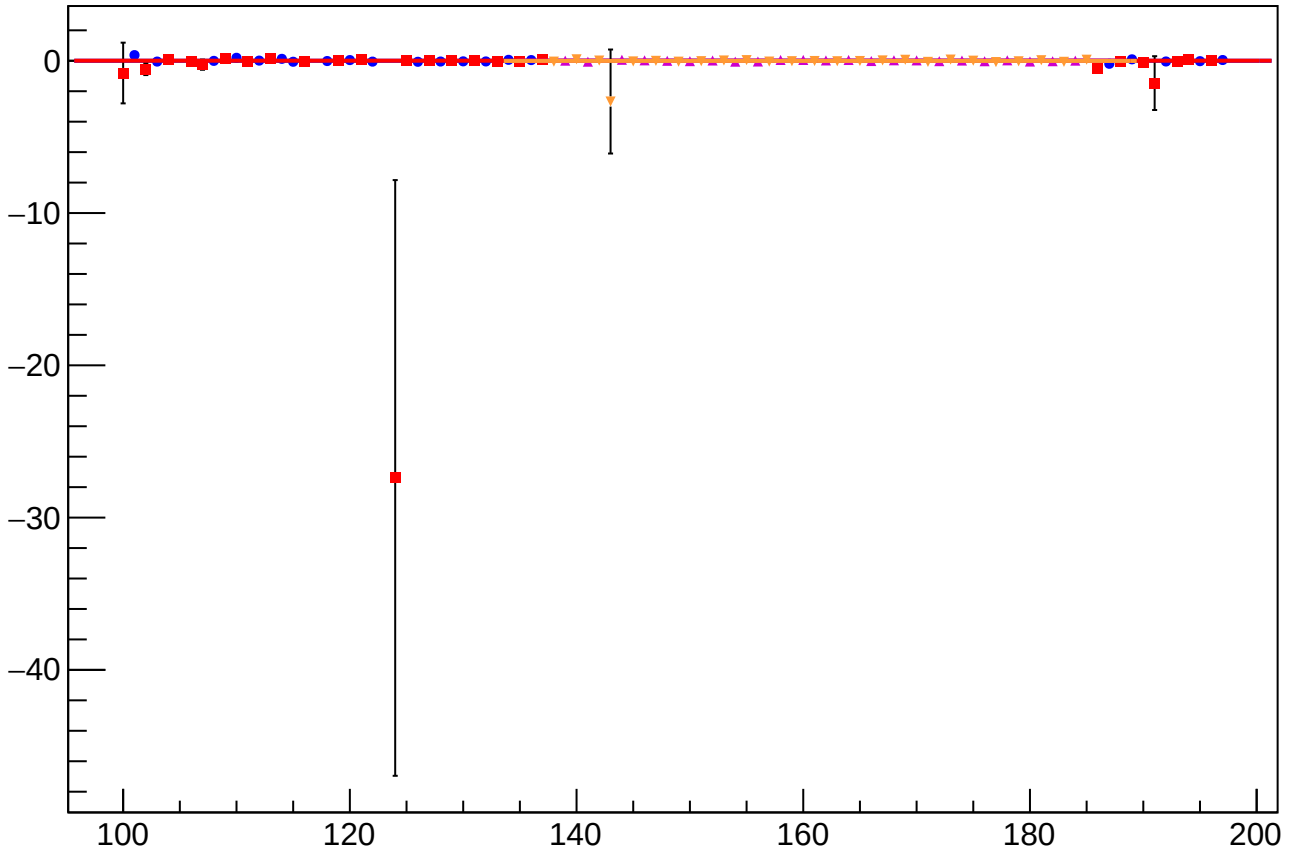
Right Out: 37.397+/-0.009 χ^2/NDF: 3584131.5/25

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.652+/-0.005 χ^2/NDF: 4905221.5/45

All: 33.739+/-0.004 χ^2/NDF: 9119605.7/94

- sign 33.827+/-0.005 χ^2/NDF: 4213759.3/48



Right In: -0.000+/-0.013 χ^2/NDF: 24.4/20

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.005+/-0.013 χ^2/NDF: 24.8/25

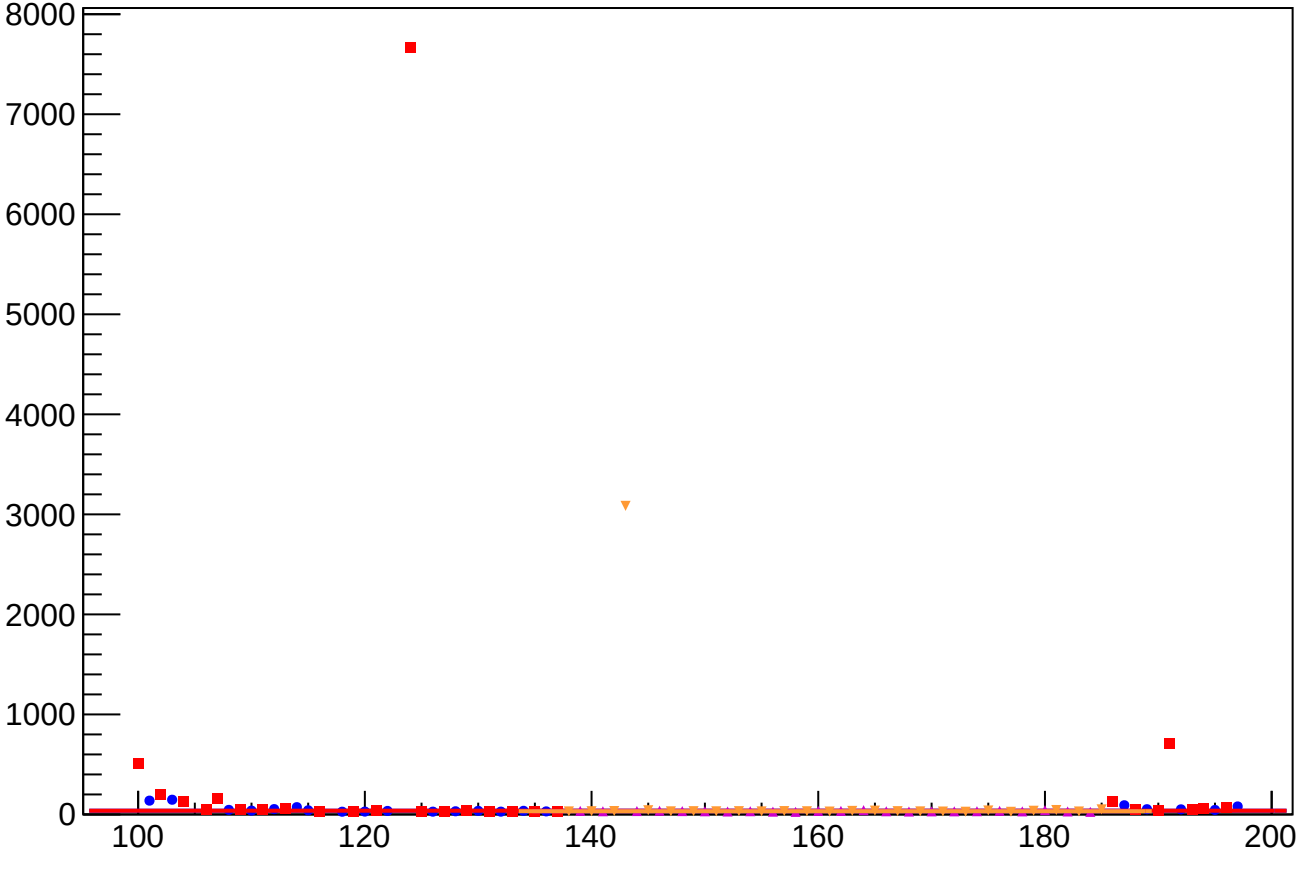
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 64.3/45

All: -0.002+/-0.005 χ^2/NDF: 111.2/94

- sign 0.004+/-0.007 χ^2/NDF: 45.7/48

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.327+/-0.010 χ^2/NDF: 2579414.7/20

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

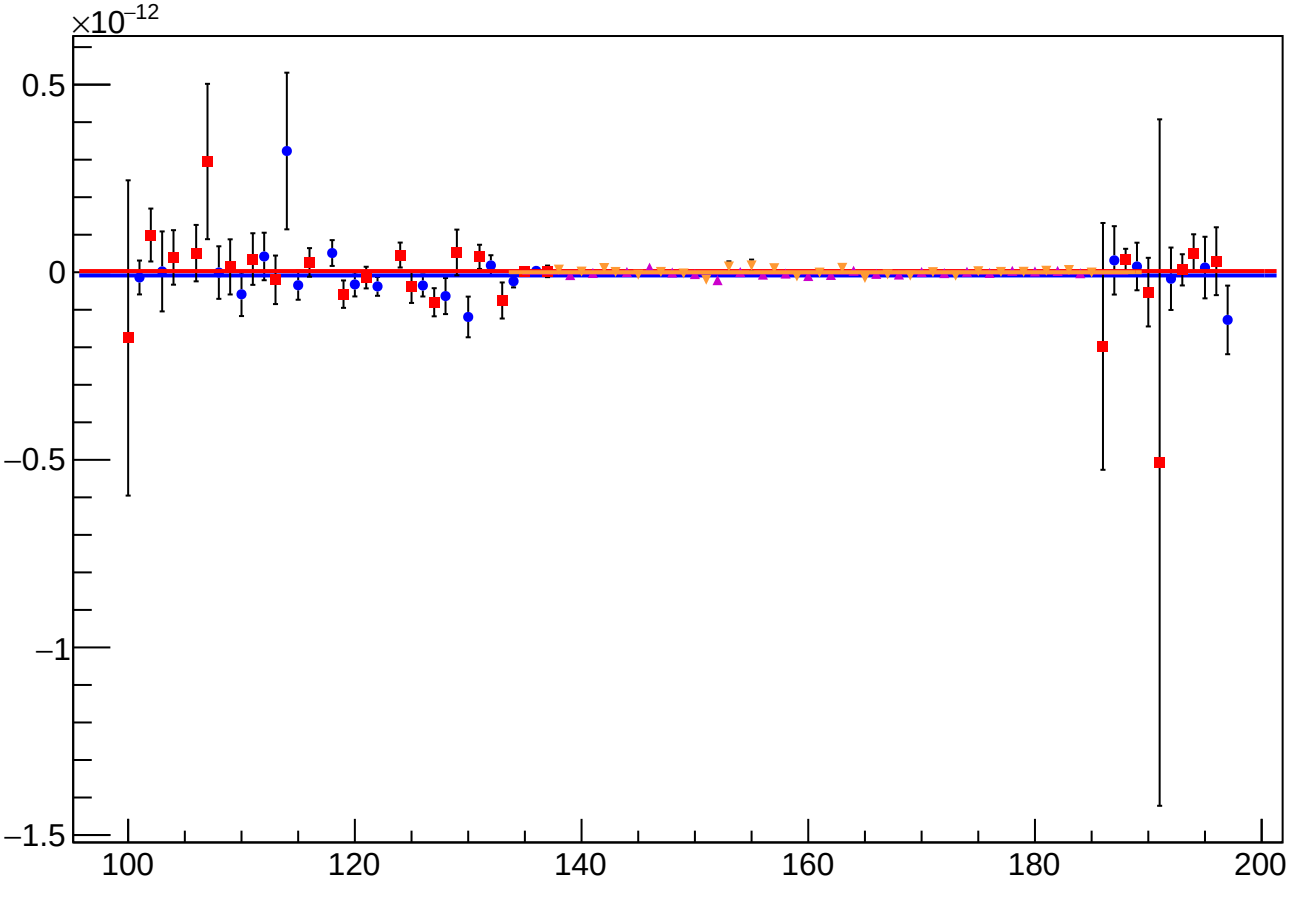
Right Out: 37.397+/-0.009 χ^2/NDF: 3584131.5/25

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.652+/-0.005 χ^2/NDF: 4905221.5/45

All: 33.739+/-0.004 χ^2/NDF: 9119605.7/94

- sign 33.827+/-0.005 χ^2/NDF: 4213759.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/25

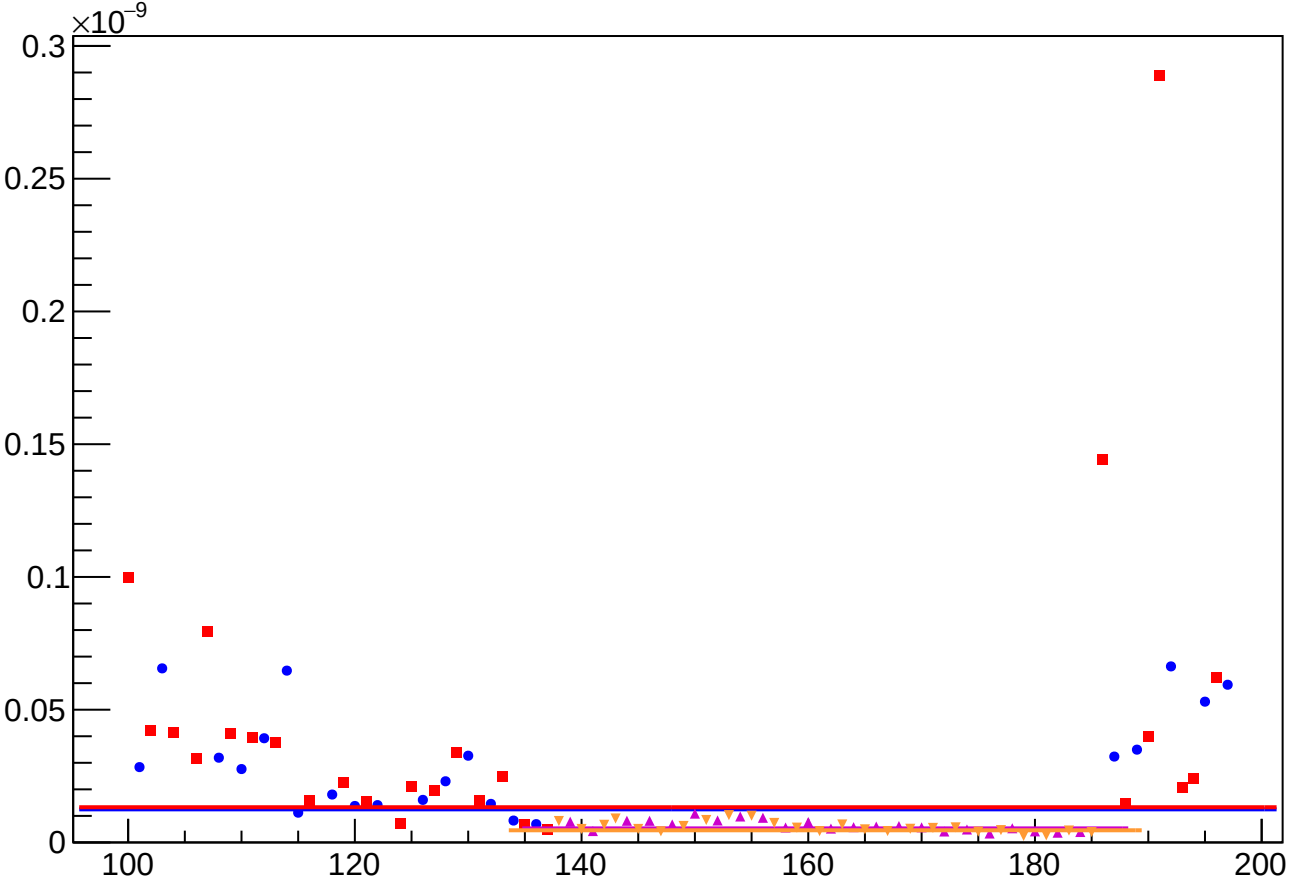
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.2/45

All: -0.000+/-0.000 χ^2/NDF: 77.7/94

- sign -0.000+/-0.000 χ^2/NDF: 33.5/48

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5075489.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5217631.1/25

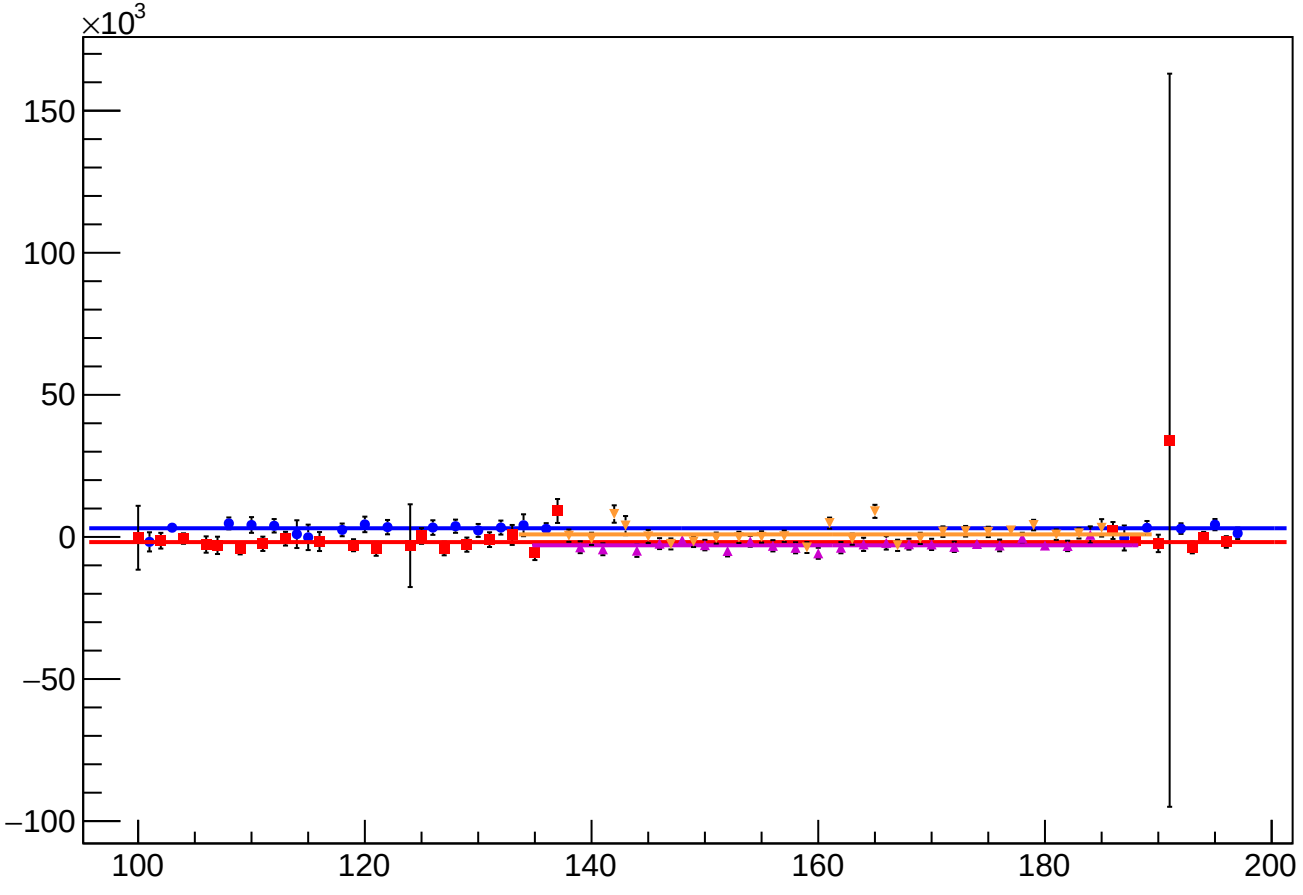
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10845093.1/45

All: 0.000+/-0.000 χ^2/NDF: 21106365.2/94

- sign 0.000+/-0.000 χ^2/NDF: 10016194.8/48

reg_asym_at2_avg_mean vs Slug



Right In: 3059.024+/-531.024 χ^2/NDF: 6.1/20

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1811.728+/-512.150 χ^2/NDF: 17.9/25

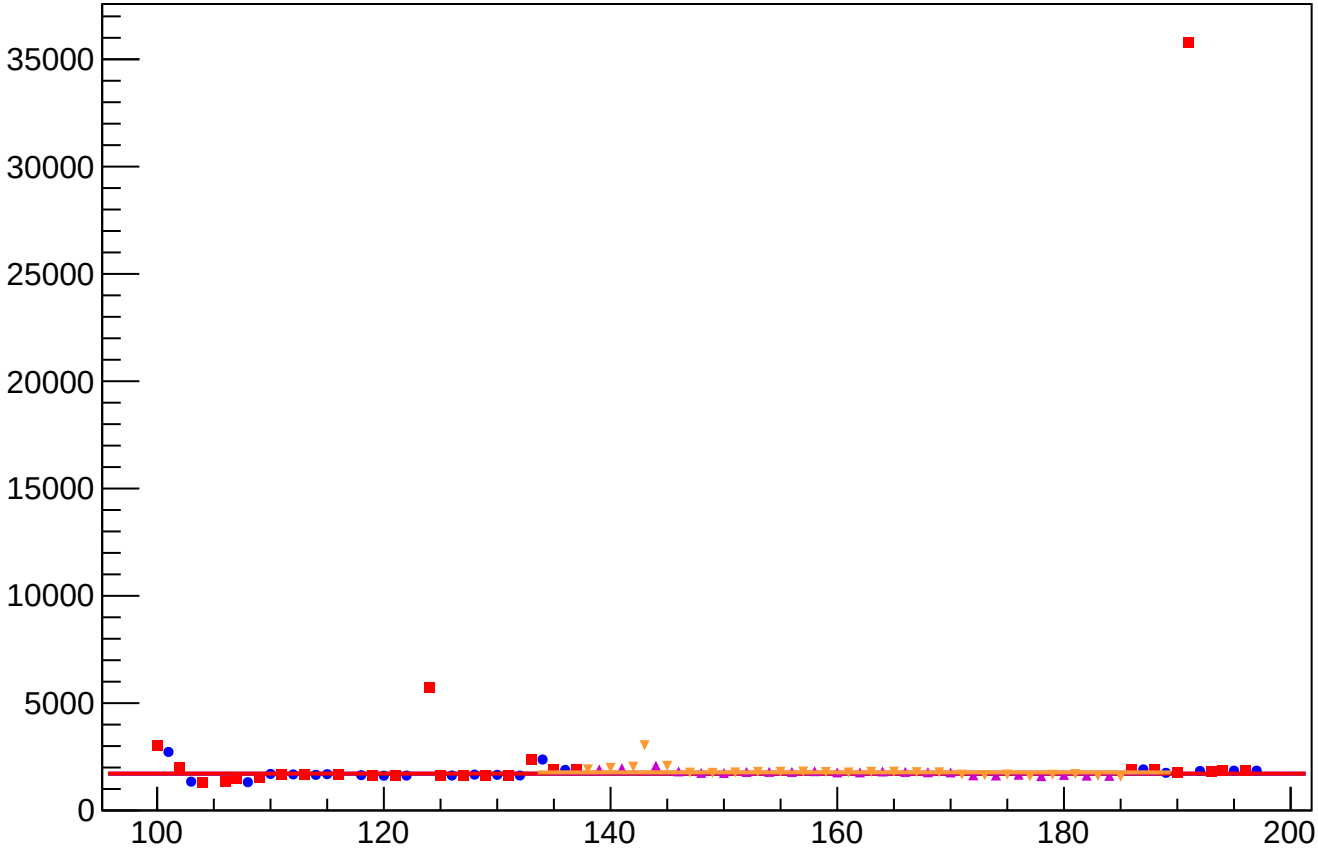
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1694.660+/-322.301 χ^2/NDF: 61.9/45

All: -410.120+/-227.459 χ^2/NDF: 178.2/94

- sign -2498.619+/-321.052 χ^2/NDF: 31.4/48

reg_asym_at2_avg_rms vs Slug



Right In: 1712.334+/-0.375 χ^2/NDF: 462396.6/20

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1716.757+/-0.362 χ^2/NDF: 653143.5/25

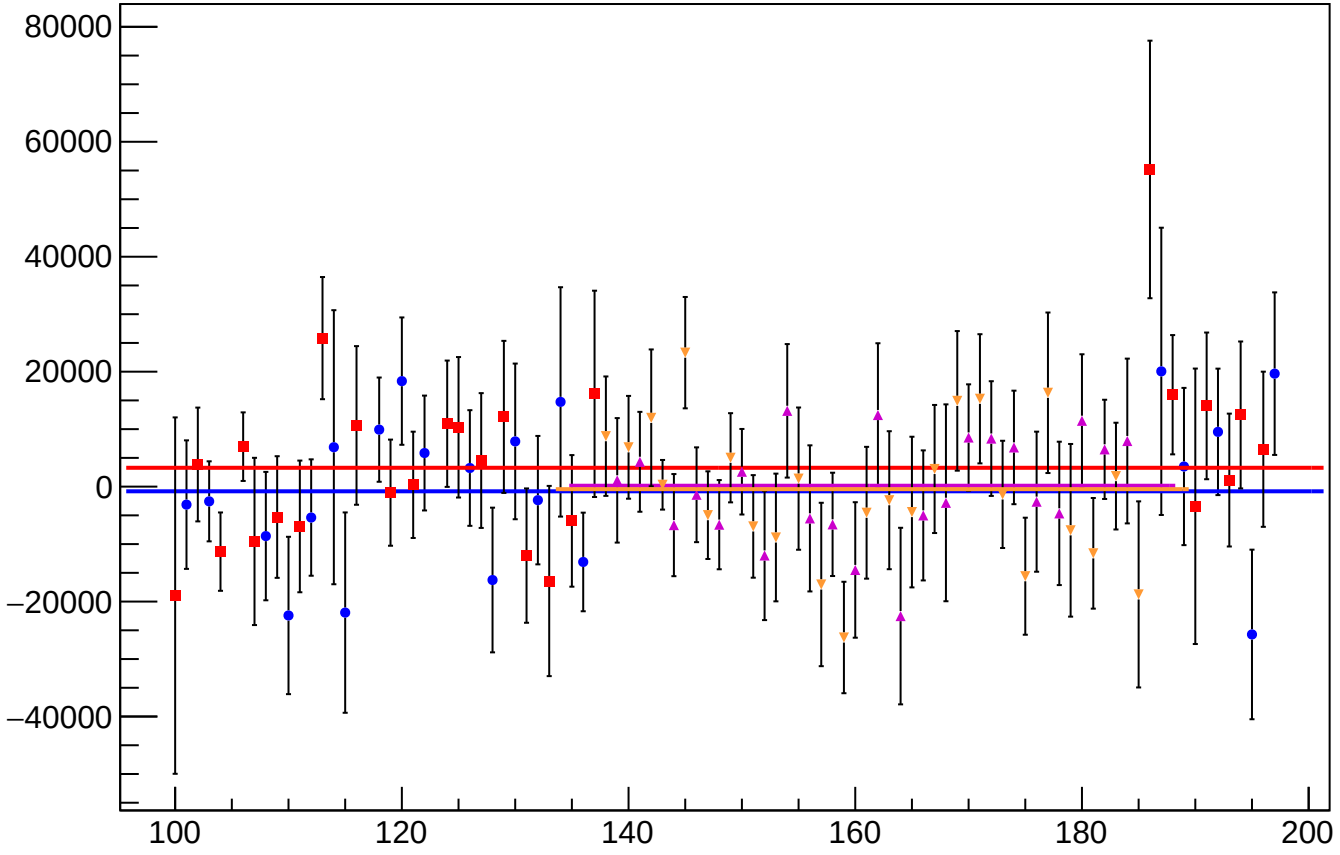
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1751.745+/-0.228 χ^2/NDF: 926733.6/45

All: 1747.691+/-0.161 χ^2/NDF: 1735870.8/94

- sign 1743.668+/-0.227 χ^2/NDF: 808506.6/48

asym_at2_avg_reg_correction_mean vs Slug



Right In: -813.832+/-2518.560 χ^2/NDF: 21.1/20

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 3277.948+/-2194.775 χ^2/NDF: 26.7/25

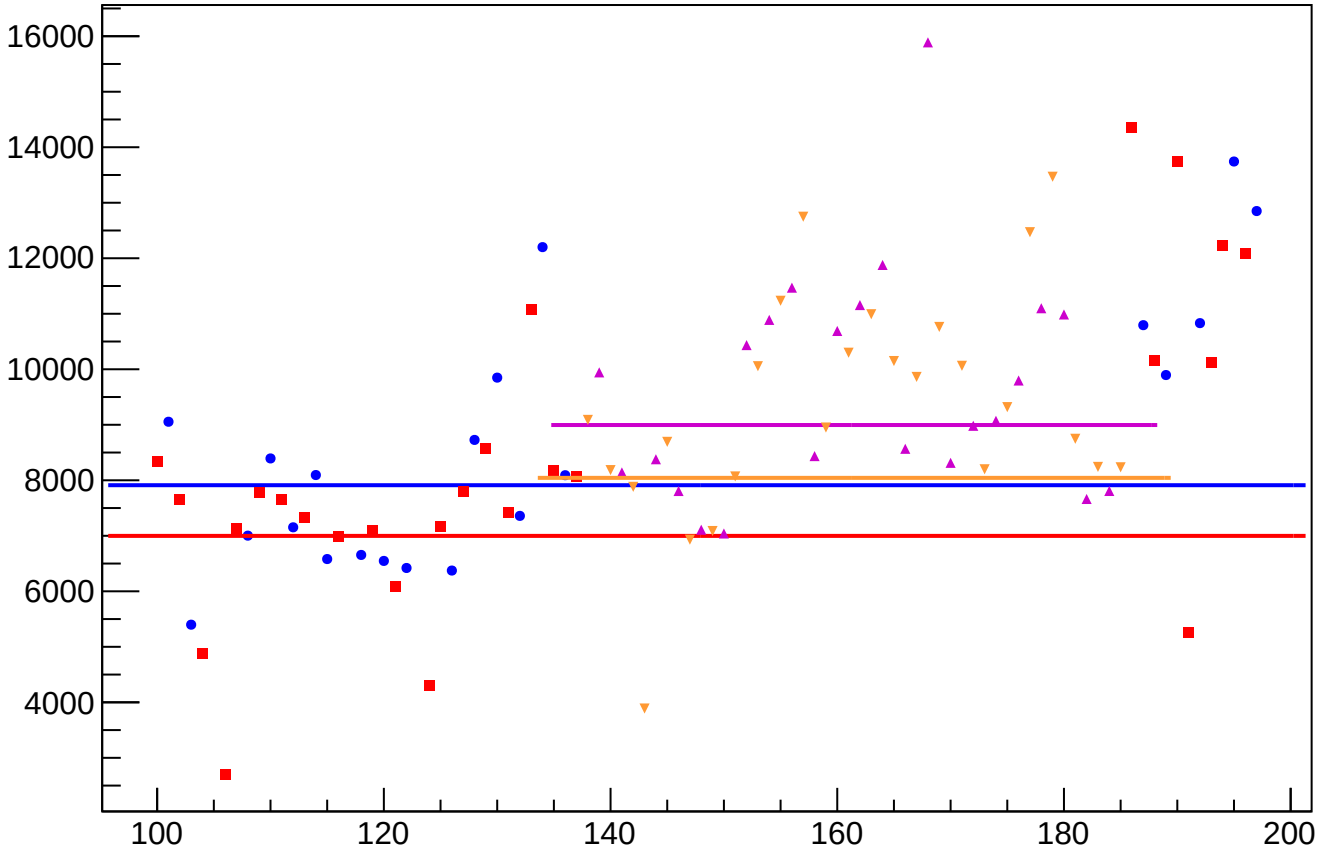
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -580.022+/-1529.722 χ^2/NDF: 50.6/45

All: 547.061+/-1083.005 χ^2/NDF: 93.1/94

- sign 1679.698+/-1533.486 χ^2/NDF: 41.5/48

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7911.387+/-1.781 χ^2/NDF: 1393568.4/20

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 6998.378+/-1.552 χ^2/NDF: 2953609.4/25

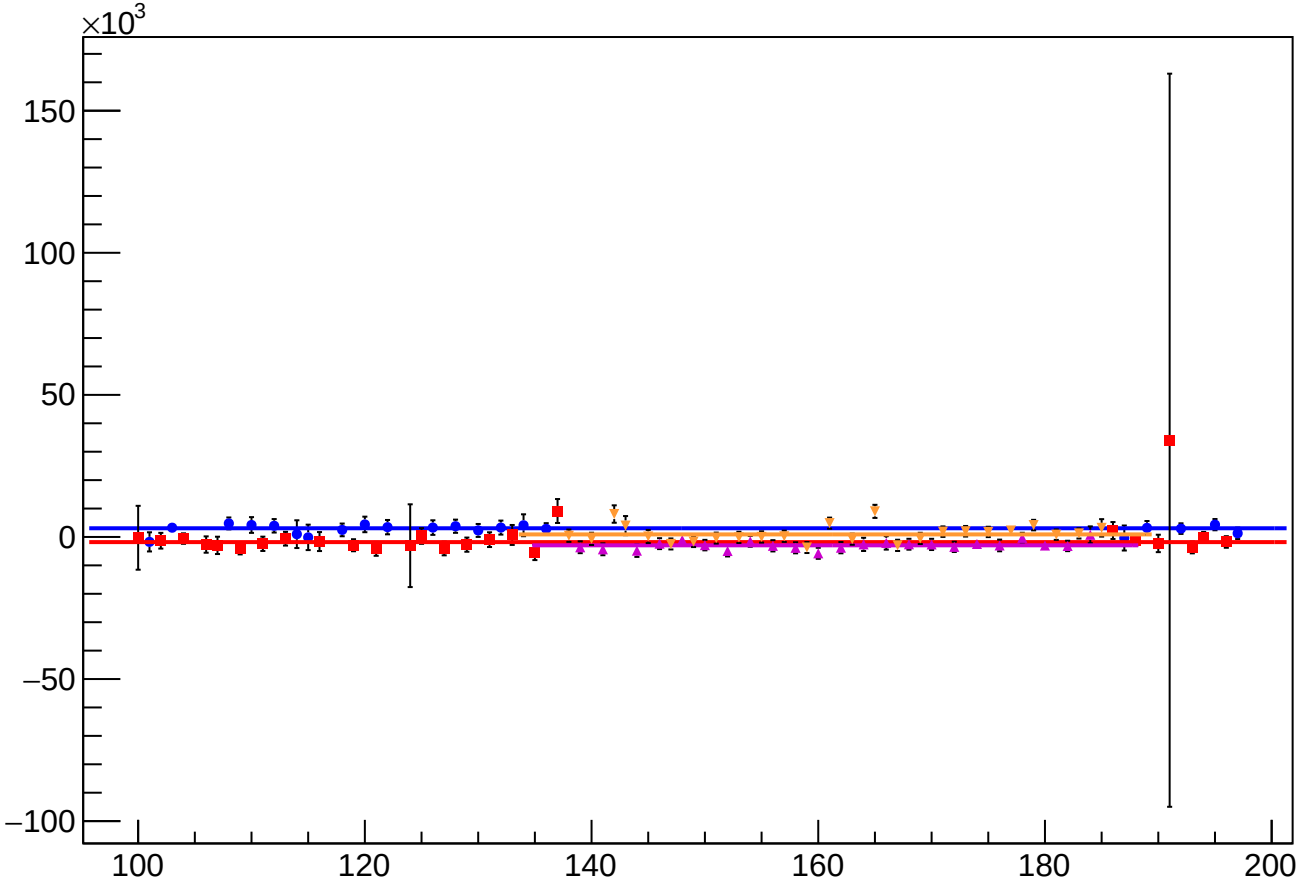
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7994.973+/-1.082 χ^2/NDF: 4759897.5/45

All: 8007.759+/-0.766 χ^2/NDF: 9768601.2/94

- sign 8020.607+/-1.084 χ^2/NDF: 5008423.5/48

cor_asym_at2_avg_mean vs Slug



Right In: 3059.132+/-531.024 χ^2/NDF: 6.1/20

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1811.604+/-512.150 χ^2/NDF: 17.8/25

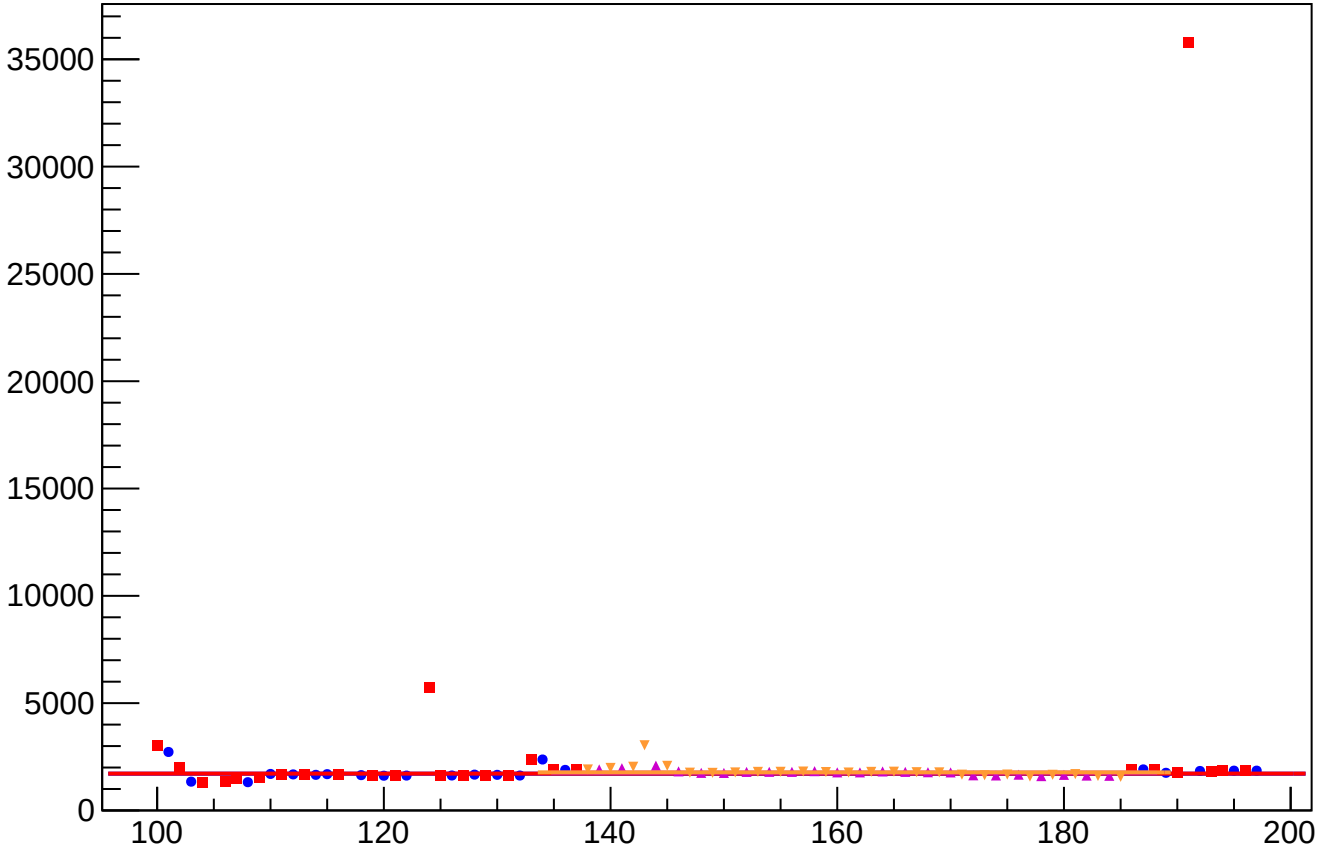
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1694.650+/-322.301 χ^2/NDF: 61.9/45

All: -410.067+/-227.459 χ^2/NDF: 178.2/94

- sign -2498.502+/-321.052 χ^2/NDF: 31.4/48

cor_asym_at2_avg_rms vs Slug



Right In: 1712.334+/-0.375 χ^2/NDF: 462397.0/20

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1716.757+/-0.362 χ^2/NDF: 653143.7/25

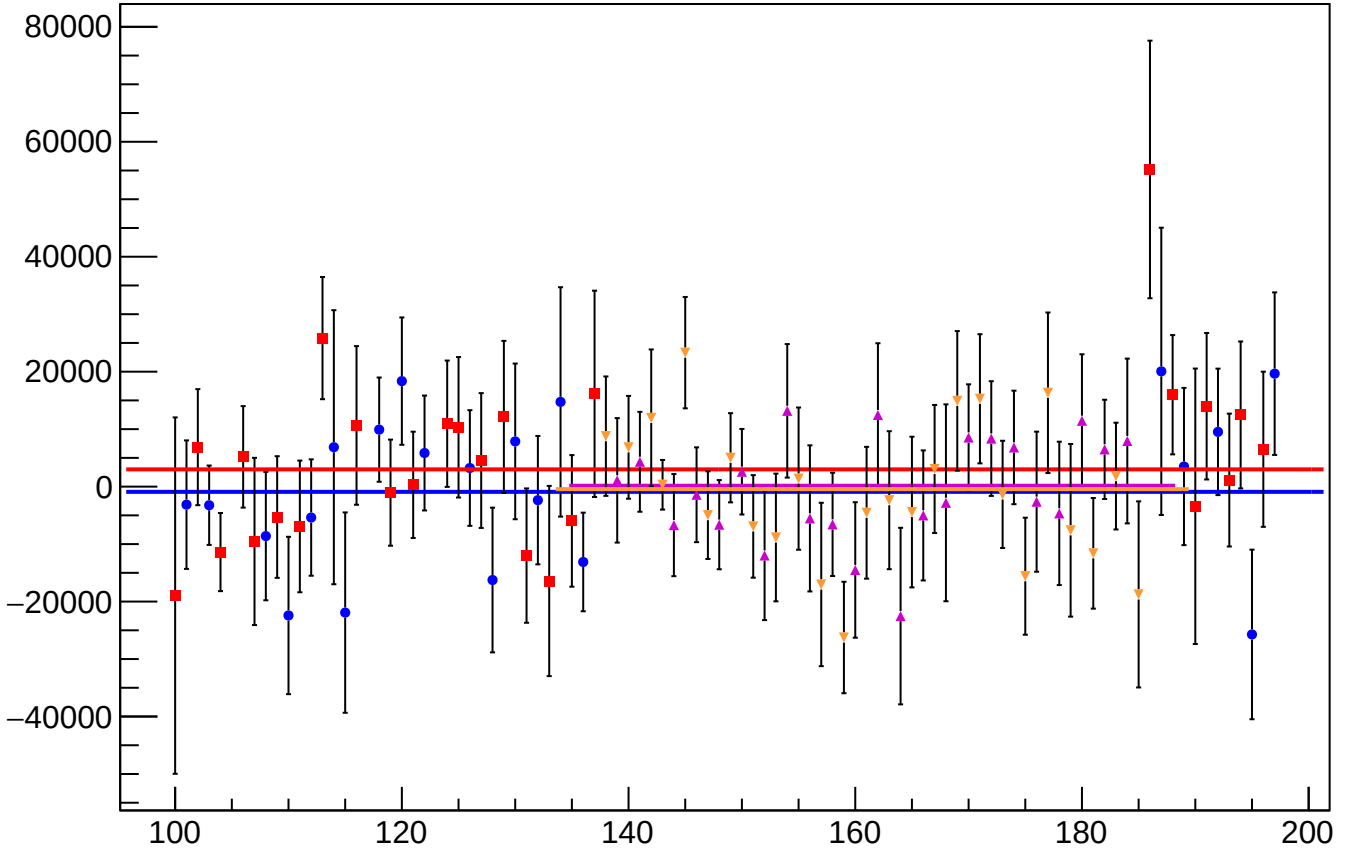
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1751.745+/-0.228 χ^2/NDF: 926734.1/45

All: 1747.691+/-0.161 χ^2/NDF: 1735871.5/94

- sign 1743.668+/-0.227 χ^2/NDF: 808506.8/48

asym_at2_avg_cor_correction_mean vs Slug



Right In: -907.977+/-2515.726 χ^2/NDF: 21.1/20

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3001.119+/-2281.794 χ^2/NDF: 26.5/25

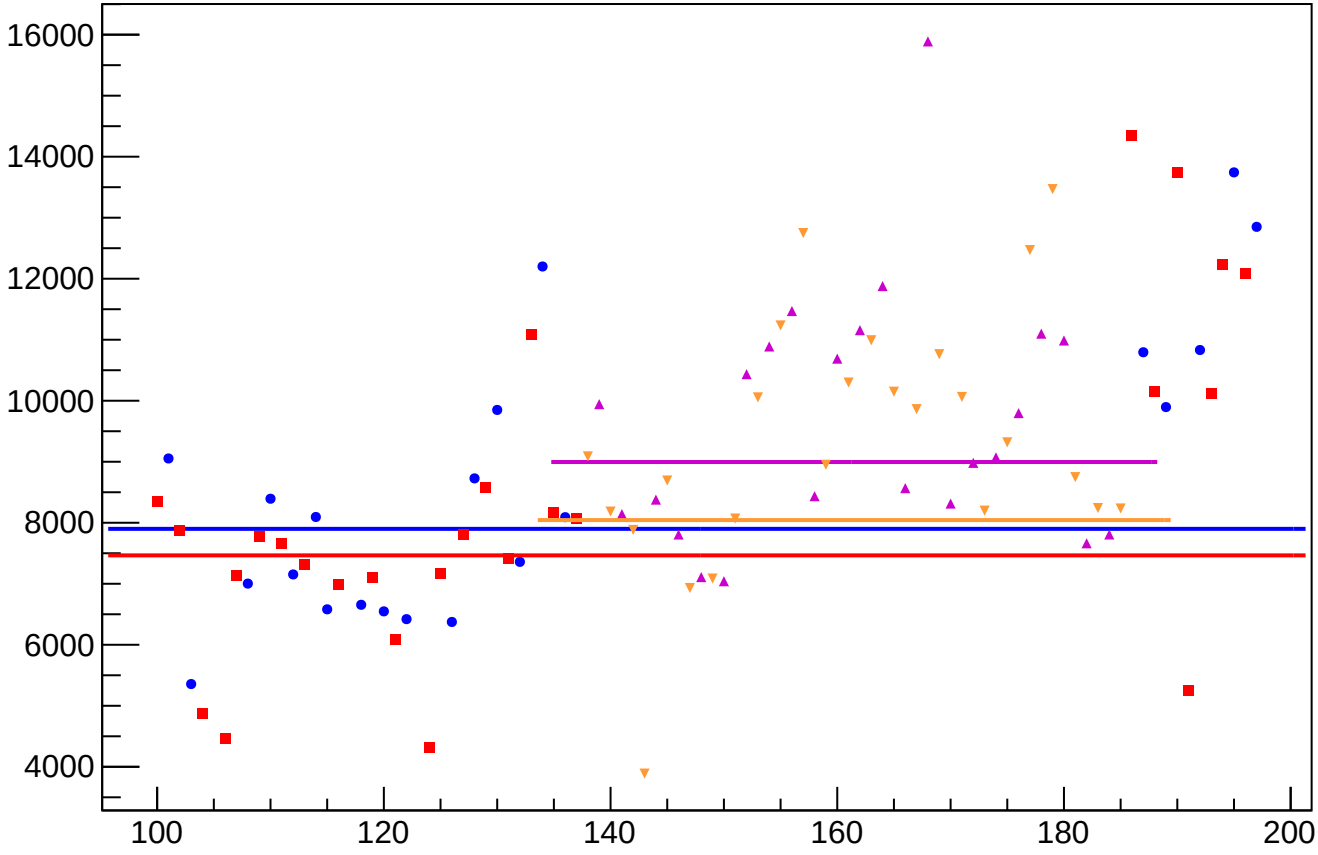
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -615.022+/-1529.085 χ^2/NDF: 50.6/45

All: 414.554+/-1092.774 χ^2/NDF: 92.7/94

- sign 1489.321+/-1562.282 χ^2/NDF: 41.1/48

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7900.103+/-1.779 χ^2/NDF: 1406975.0/20

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7465.406+/-1.613 χ^2/NDF: 2004846.2/25

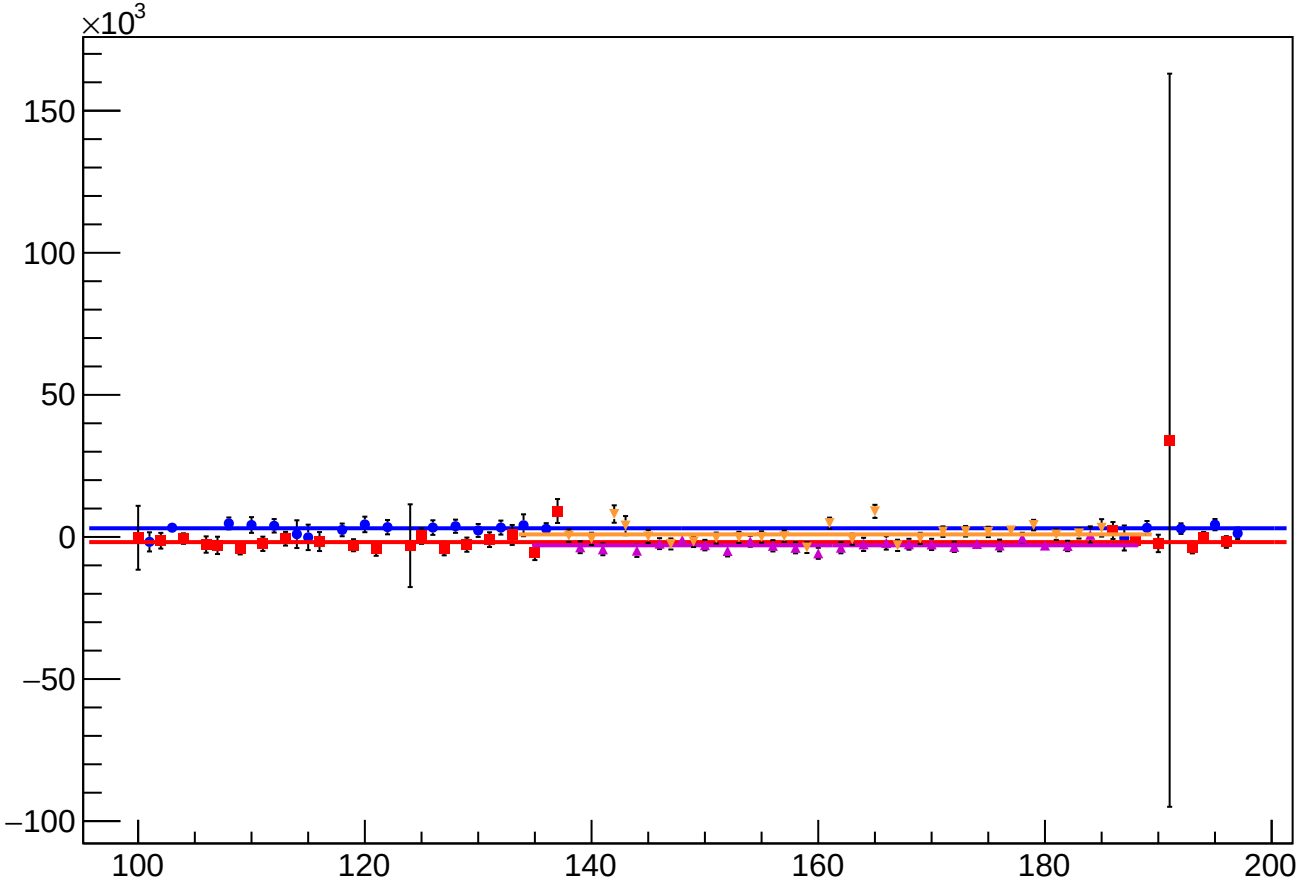
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7990.719+/-1.081 χ^2/NDF: 4774005.8/45

All: 8131.416+/-0.773 χ^2/NDF: 8498413.3/94

- sign 8278.288+/-1.105 χ^2/NDF: 3689798.2/48

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3059.132+/-531.024 χ^2/NDF: 6.1/20

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1811.604+/-512.150 χ^2/NDF: 17.8/25

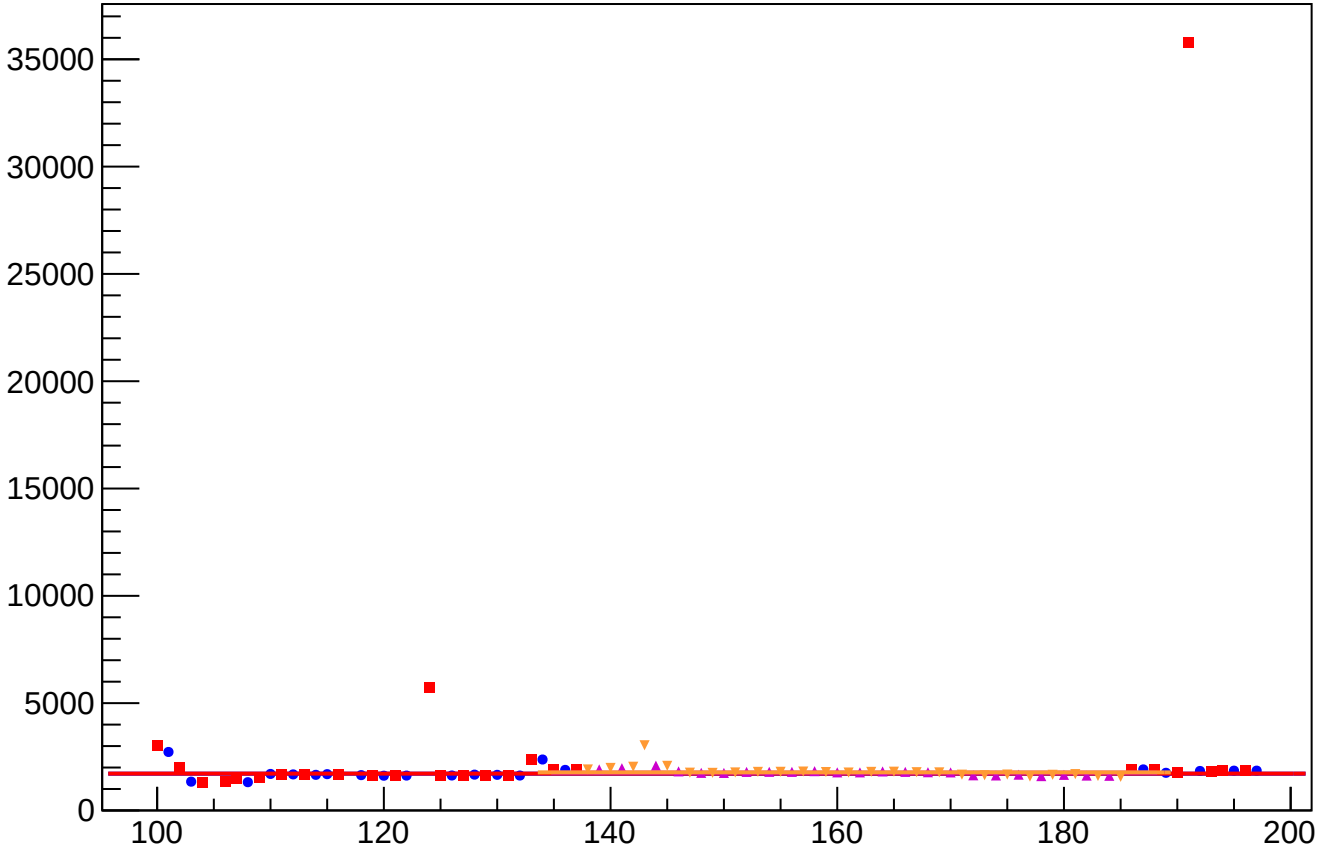
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1694.650+/-322.301 χ^2/NDF: 61.9/45

All: -410.067+/-227.459 χ^2/NDF: 178.2/94

- sign -2498.502+/-321.052 χ^2/NDF: 31.4/48

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1712.334+/-0.375 χ^2/NDF: 462397.0/20

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1716.757+/-0.362 χ^2/NDF: 653143.7/25

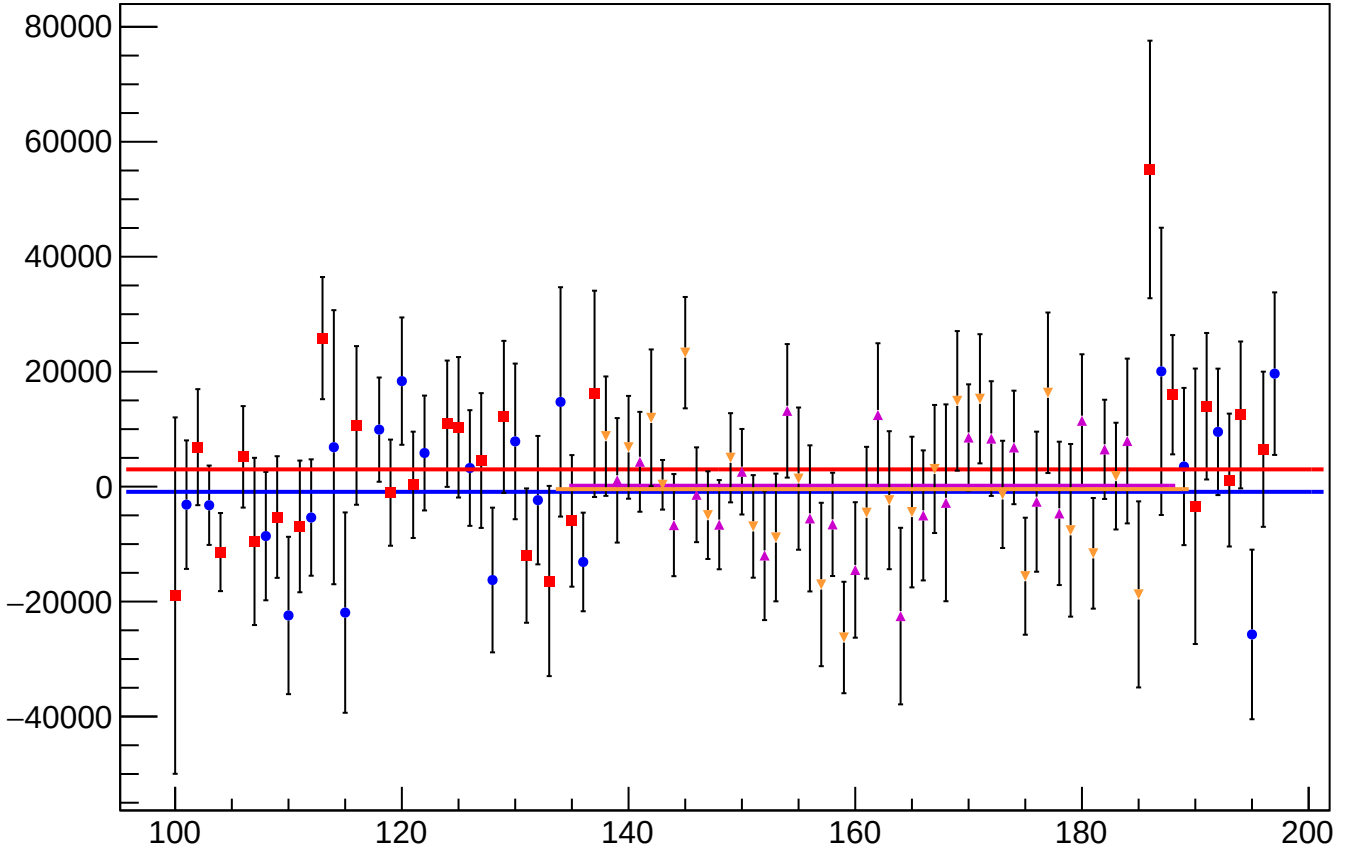
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1751.745+/-0.228 χ^2/NDF: 926734.1/45

All: 1747.691+/-0.161 χ^2/NDF: 1735871.5/94

- sign 1743.668+/-0.227 χ^2/NDF: 808506.8/48

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -907.977+/-2515.726 χ^2/NDF: 21.1/20

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3001.119+/-2281.794 χ^2/NDF: 26.5/25

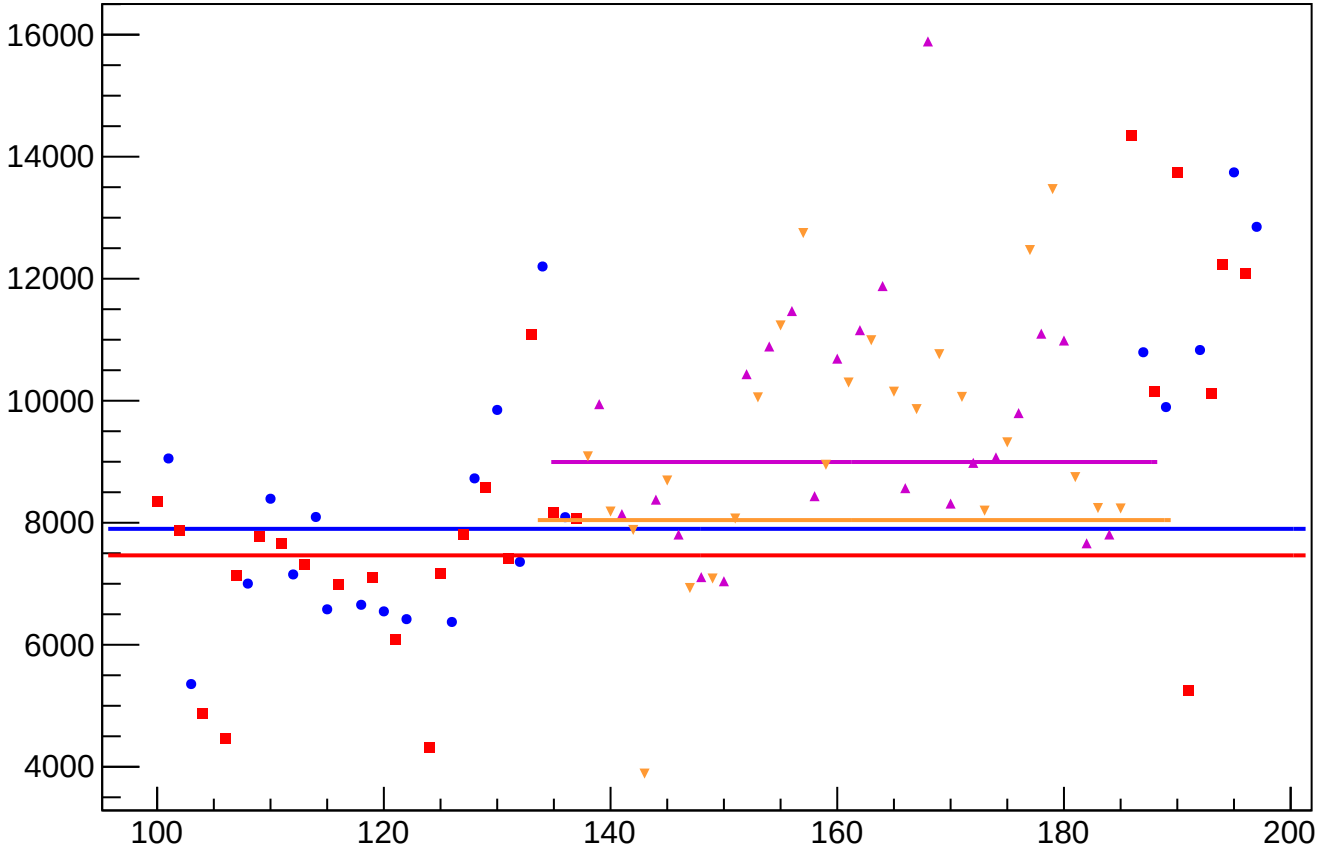
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -615.022+/-1529.085 χ^2/NDF: 50.6/45

All: 414.554+/-1092.774 χ^2/NDF: 92.7/94

- sign 1489.321+/-1562.282 χ^2/NDF: 41.1/48

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7900.103+/-1.779 χ^2/NDF: 1406975.0/20

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7465.406+/-1.613 χ^2/NDF: 2004846.2/25

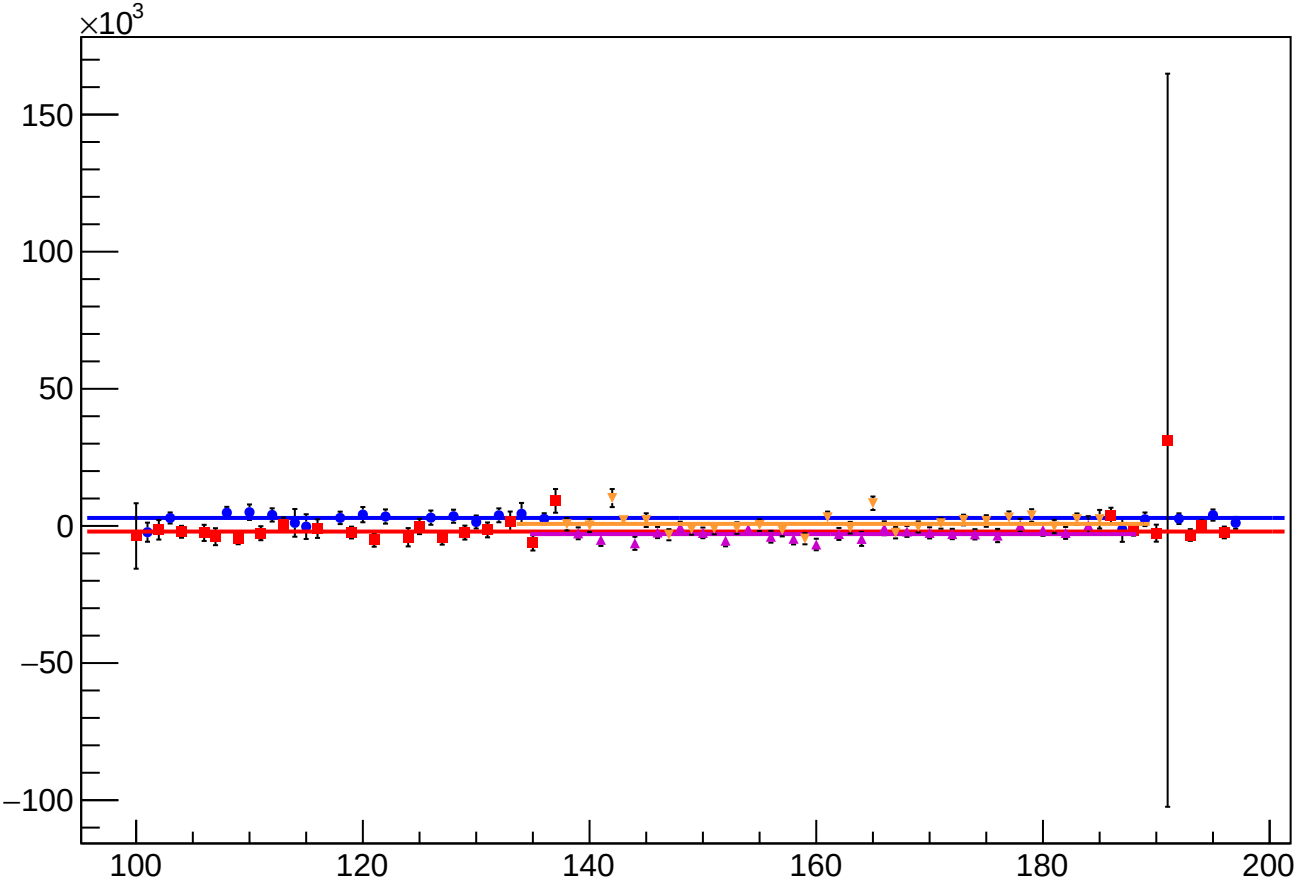
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7990.719+/-1.081 χ^2/NDF: 4774005.8/45

All: 8131.416+/-0.773 χ^2/NDF: 8498413.3/94

- sign 8278.288+/-1.105 χ^2/NDF: 3689798.2/48

dit_asym_at2_avg_mean vs Slug



Right In: 2911.591+/-551.510 χ^2/NDF: 7.3/20

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2048.473+/-526.306 χ^2/NDF: 21.6/25

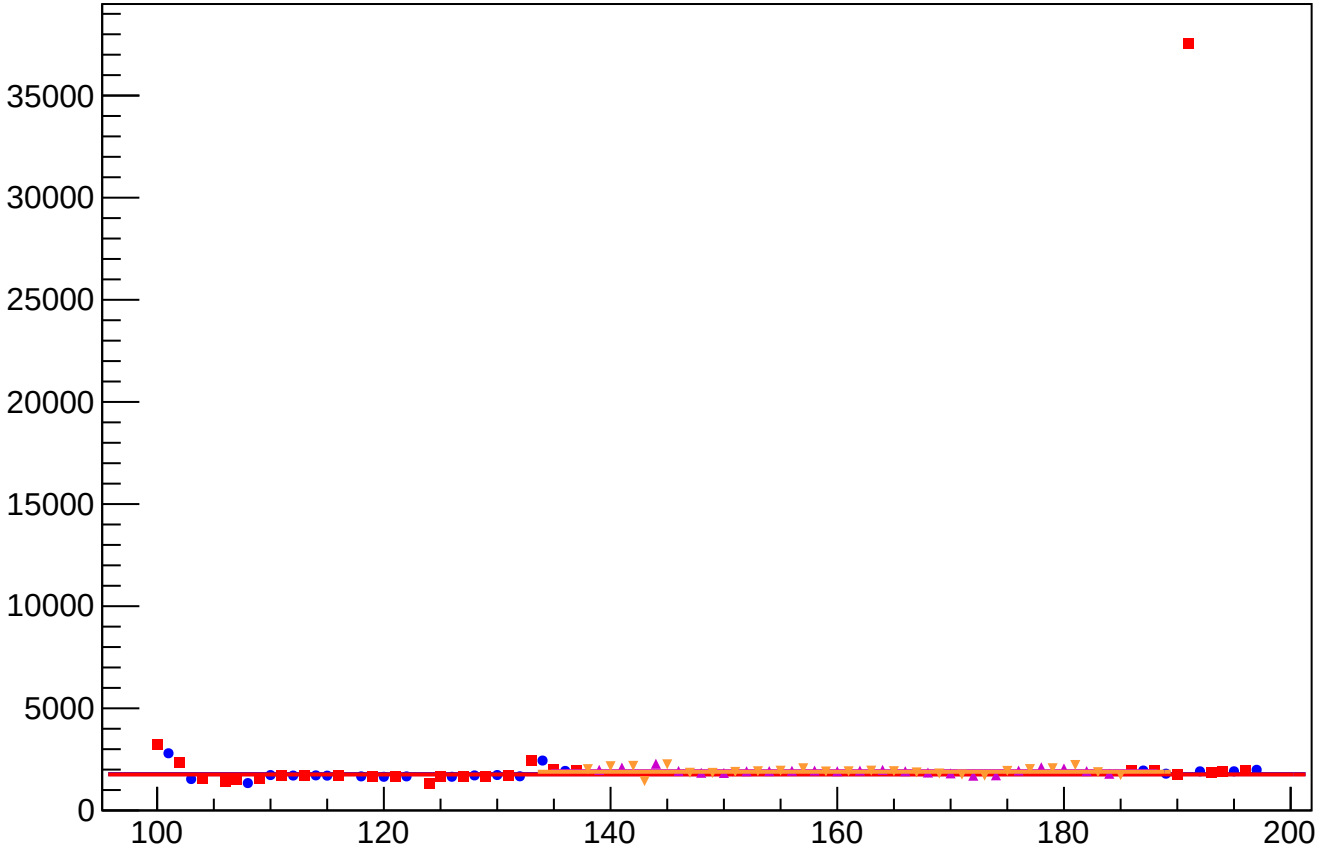
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1567.237+/-340.515 χ^2/NDF: 58.5/45

All: -499.213+/-241.364 χ^2/NDF: 171.5/94

- sign -2585.816+/-342.172 χ^2/NDF: 39.0/48

dit_asym_at2_avg_rms vs Slug



Right In: 1779.201+/-0.390 χ^2/NDF: 419826.0/20

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1762.595+/-0.372 χ^2/NDF: 511265.0/25

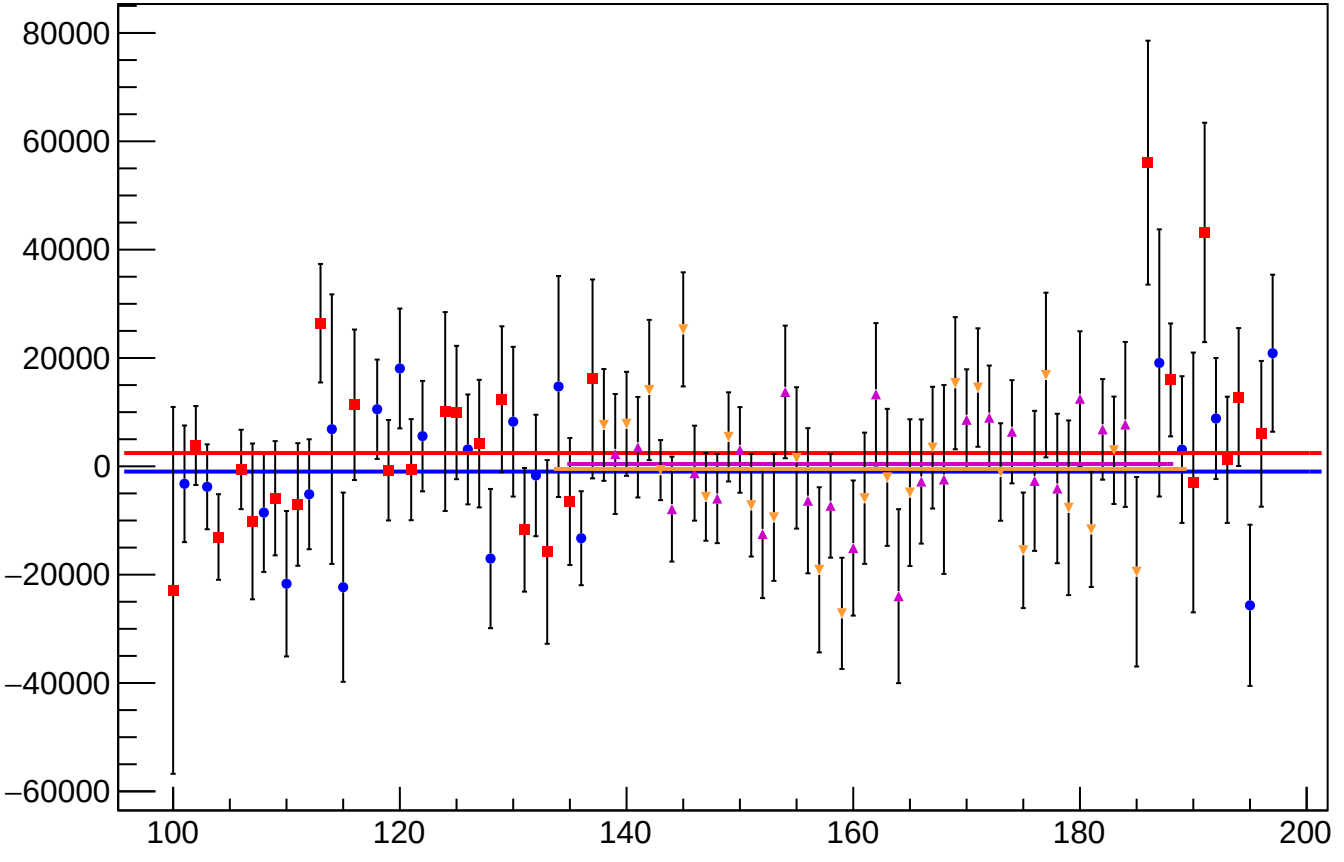
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1850.661+/-0.241 χ^2/NDF: 842676.1/45

All: 1852.921+/-0.171 χ^2/NDF: 1612429.9/94

- sign 1855.203+/-0.242 χ^2/NDF: 769576.7/48

asym_at2_avg_dit_correction_mean vs Slug



Right In: -970.754+/-2564.214 χ^2/NDF: 21.1/20

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 2452.144+/-2290.009 χ^2/NDF: 29.3/25

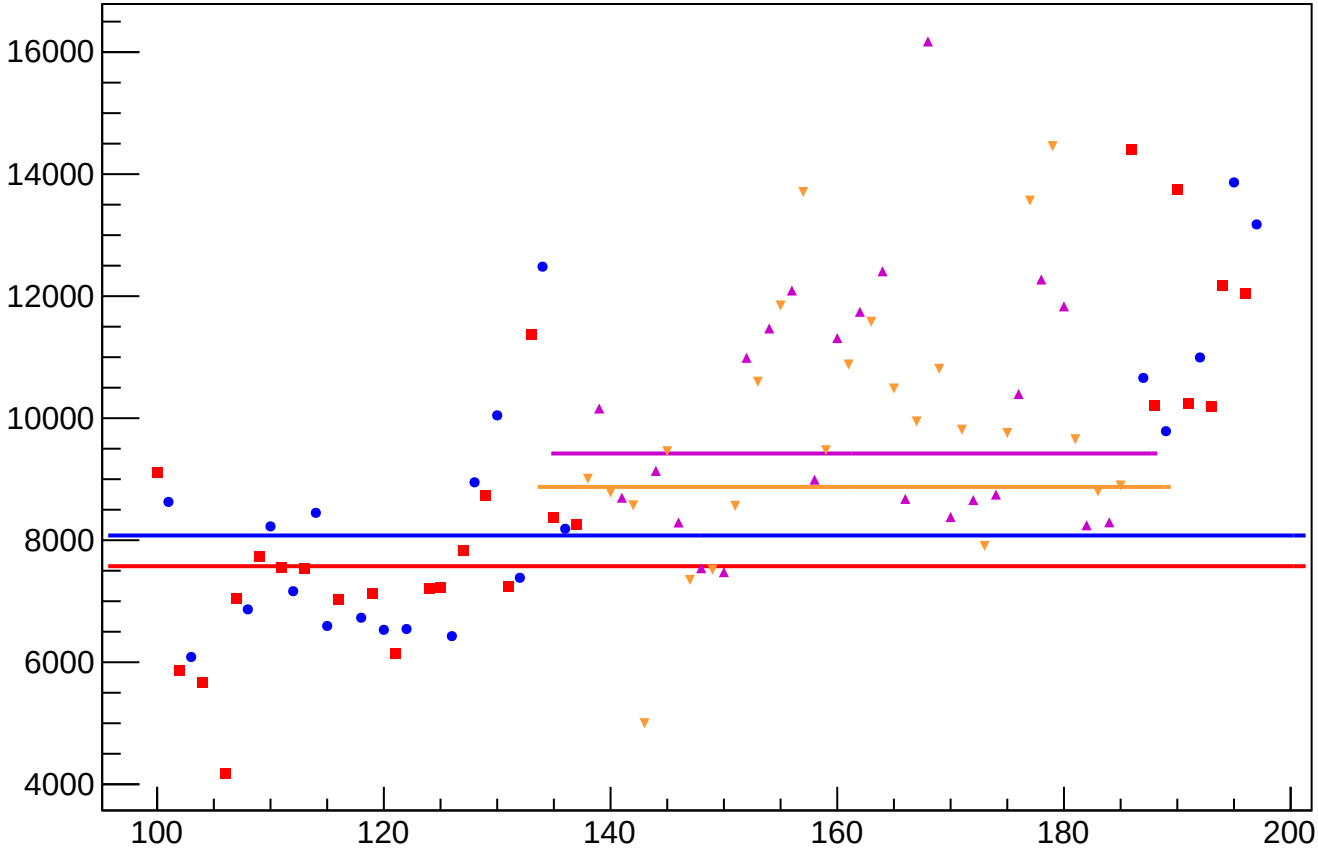
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -675.404+/-1619.686 χ^2/NDF: 49.9/45

All: 385.297+/-1139.416 χ^2/NDF: 94.0/94

- sign 1424.510+/-1603.196 χ^2/NDF: 43.2/48

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8077.498+/-1.813 χ^2/NDF: 1261343.8/20

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7574.207+/-1.619 χ^2/NDF: 1914204.5/25

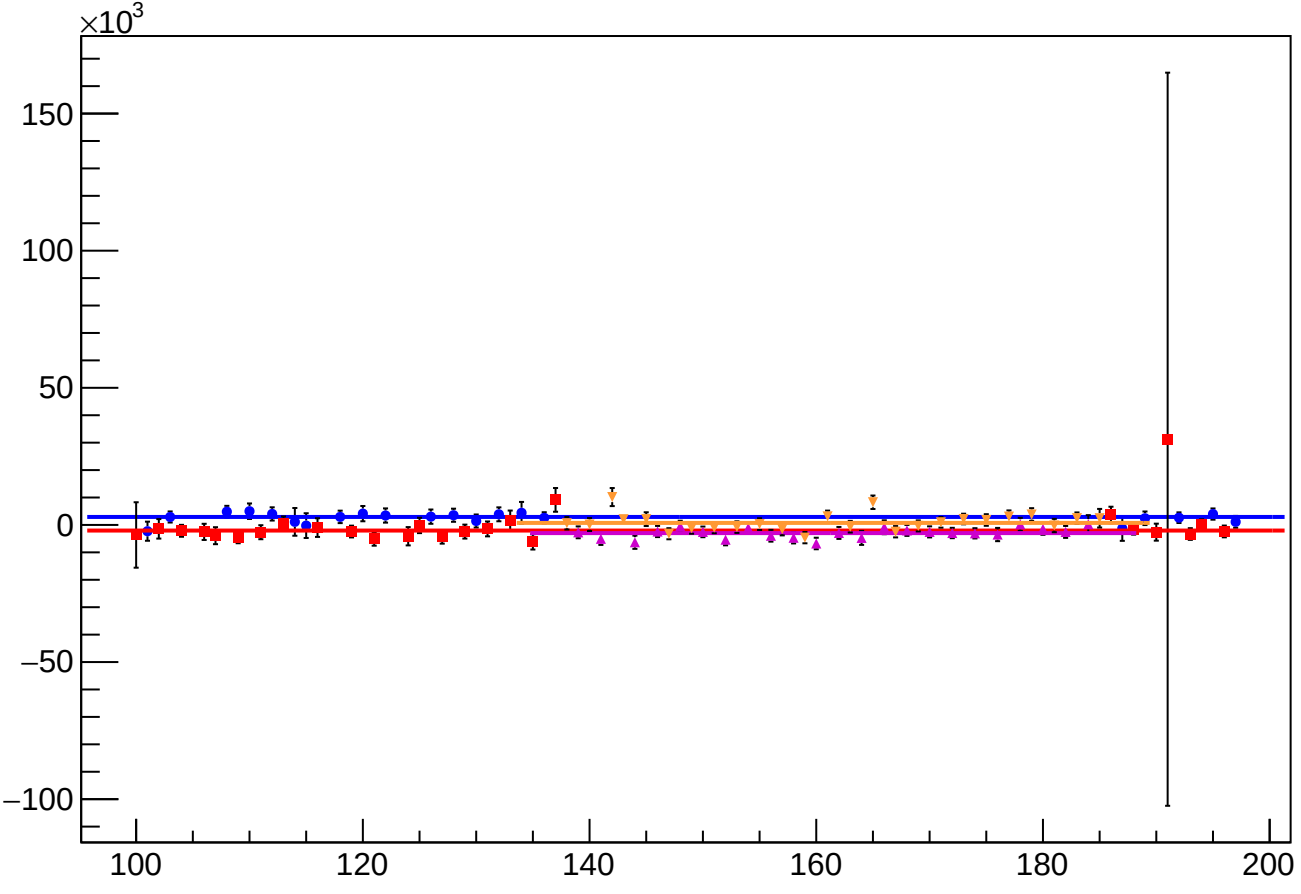
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8555.965+/-1.145 χ^2/NDF: 3580454.6/45

All: 8535.888+/-0.806 χ^2/NDF: 7363852.2/94

- sign 8516.218+/-1.134 χ^2/NDF: 3782789.3/48

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2911.590+/-551.509 χ^2/NDF: 7.3/20

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2048.479+/-526.306 χ^2/NDF: 21.6/25

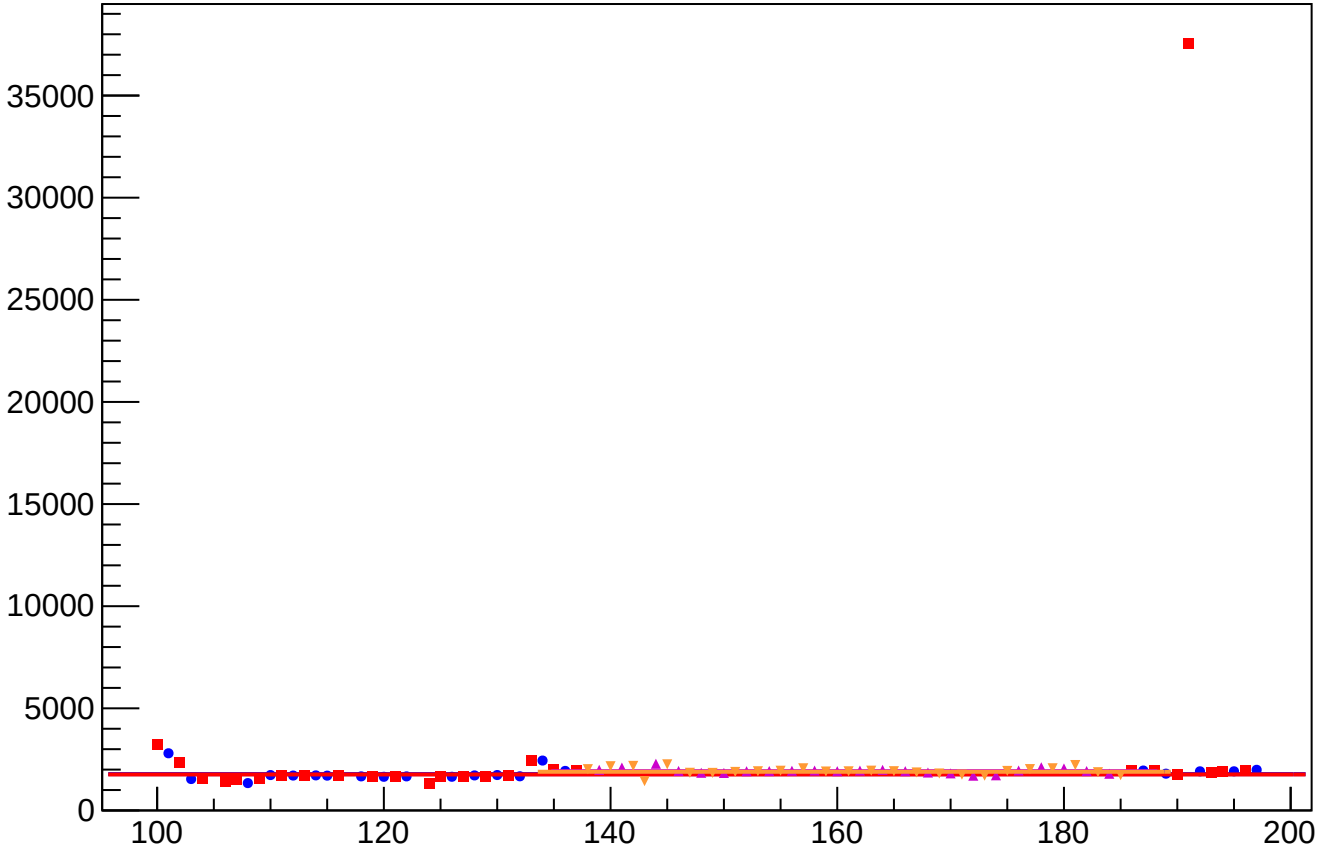
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1567.231+/-340.516 χ^2/NDF: 58.5/45

All: -499.217+/-241.364 χ^2/NDF: 171.5/94

- sign -2585.818+/-342.172 χ^2/NDF: 39.0/48

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1779.200+/-0.390 χ^2/NDF: 419826.4/20

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1762.595+/-0.372 χ^2/NDF: 511265.4/25

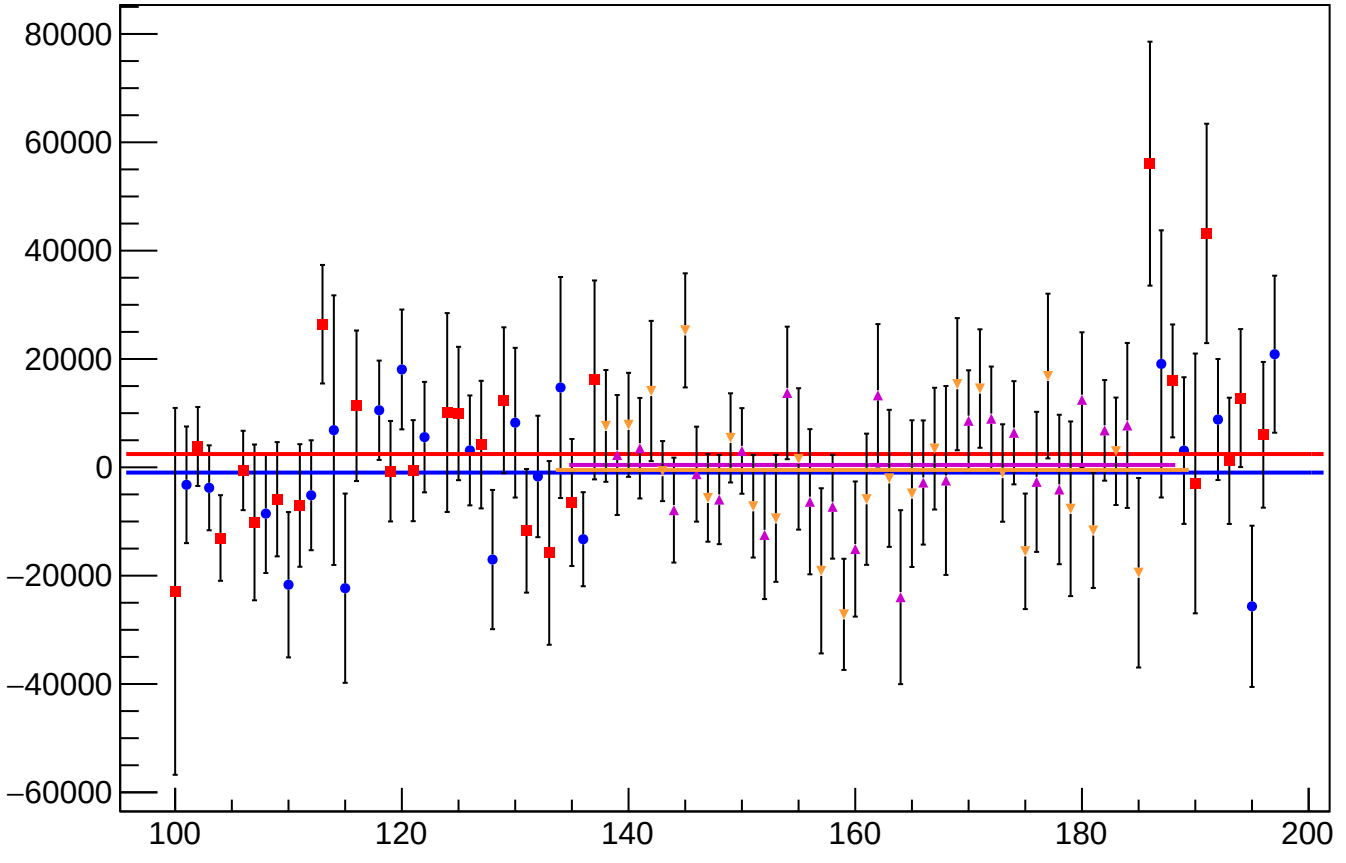
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1850.662+/-0.241 χ^2/NDF: 842687.4/45

All: 1852.922+/-0.171 χ^2/NDF: 1612453.7/94

- sign 1855.204+/-0.242 χ^2/NDF: 769589.3/48

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -970.739+/-2564.209 χ^2/NDF: 21.1/20

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

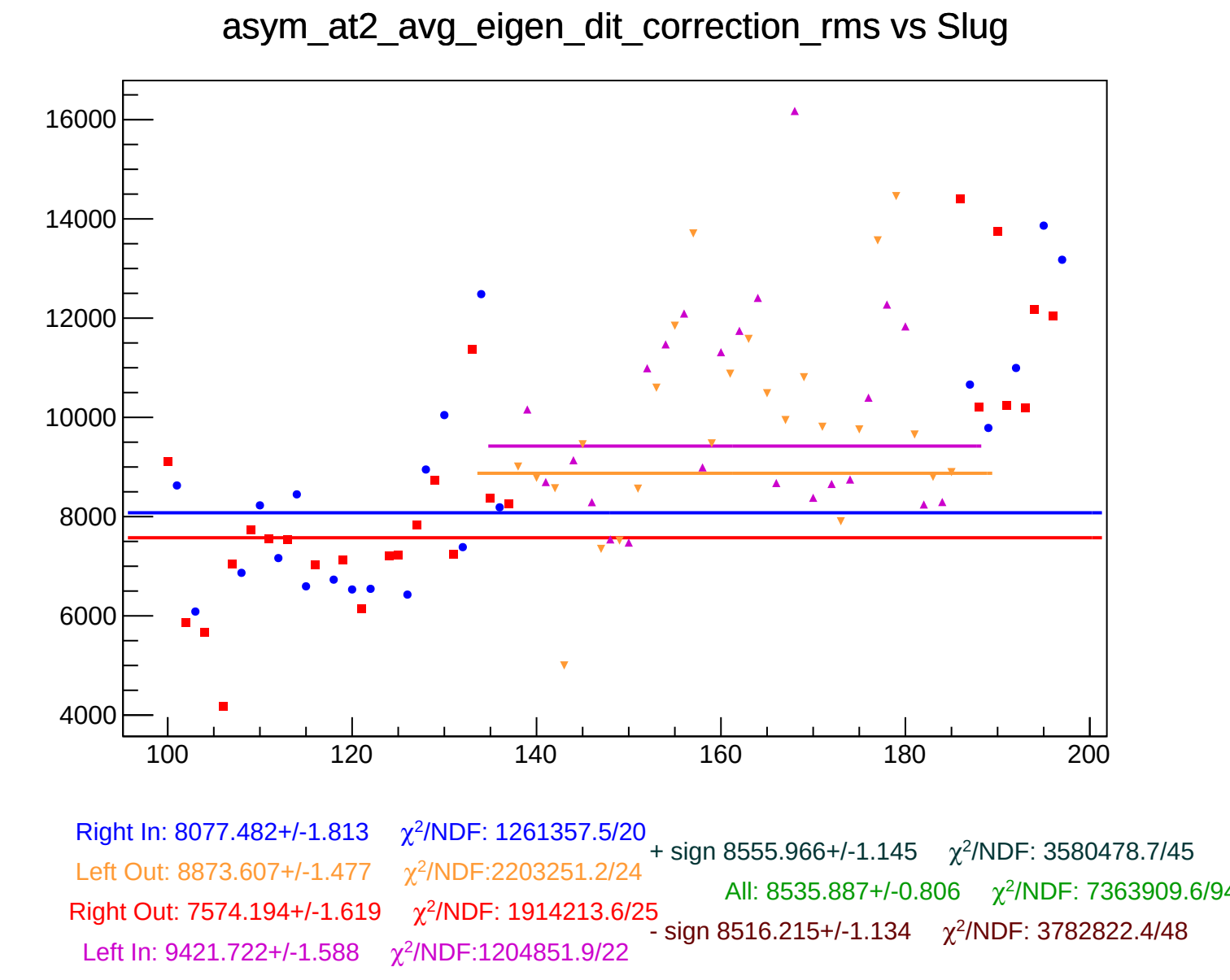
Right Out: 2452.129+/-2290.005 χ^2/NDF: 29.3/25

Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

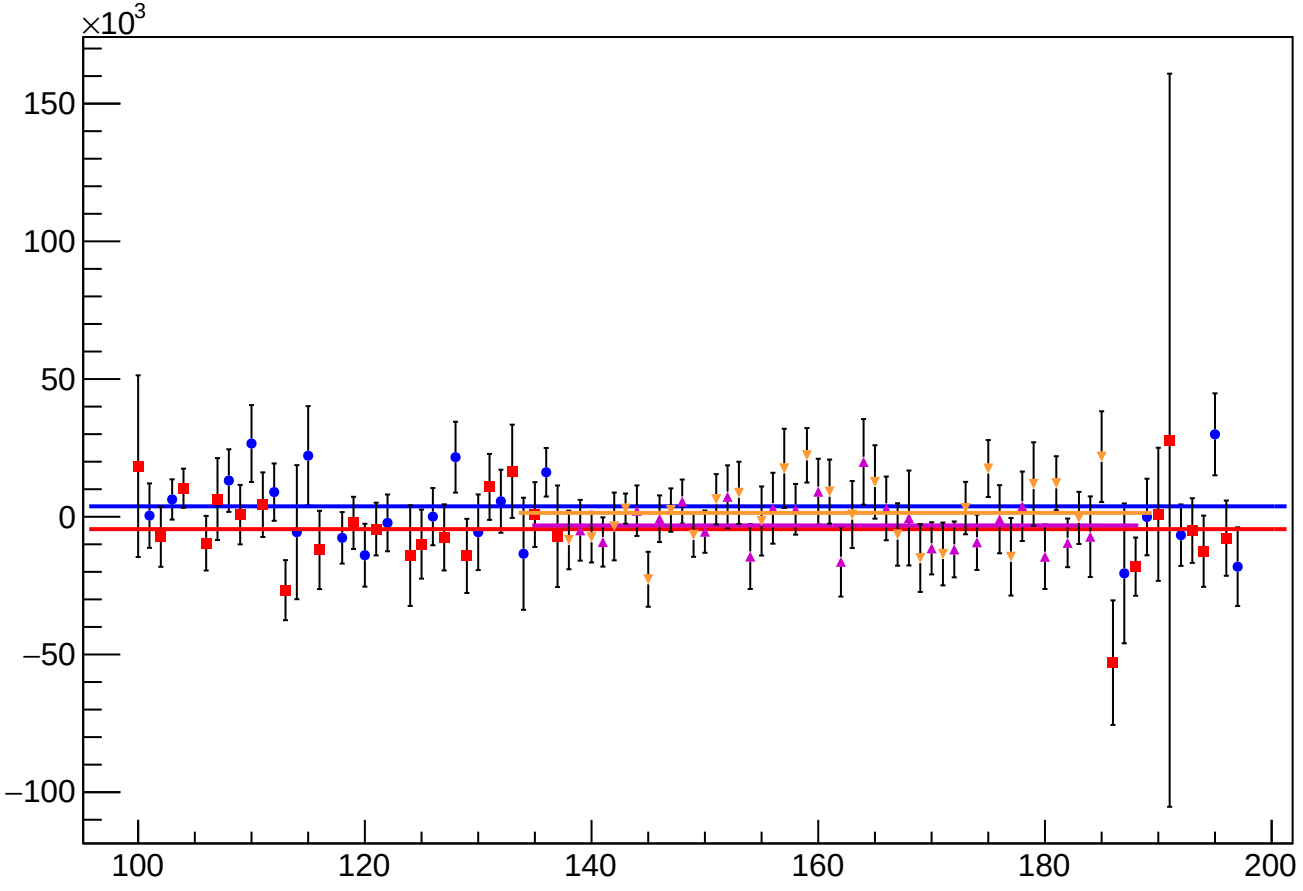
+ sign -675.403+/-1619.687 χ^2/NDF: 49.9/45

All: 385.297+/-1139.417 χ^2/NDF: 94.0/94

- sign 1424.508+/-1603.196 χ^2/NDF: 43.2/48


asym_at2_avg_eigen_dit_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8077.482+/-1.813 χ²/NDF: 1261357.5/20
Left Out: 8873.607+/-1.477 χ²/NDF:2203251.2/24
Right Out: 7574.194+/-1.619 χ²/NDF: 1914213.6/25
Left In: 9421.722+/-1.588 χ²/NDF:1204851.9/22
+ sign 8555.966+/-1.145 χ²/NDF: 3580478.7/45
All: 8535.887+/-0.806 χ²/NDF: 7363909.6/94
- sign 8516.215+/-1.134 χ²/NDF: 3782822.4/48

asym_at2_avg_mean vs Slug



Right In: 3788.833+/-2589.634 χ^2/NDF: 21.8/20

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4492.932+/-2433.265 χ^2/NDF: 22.3/25

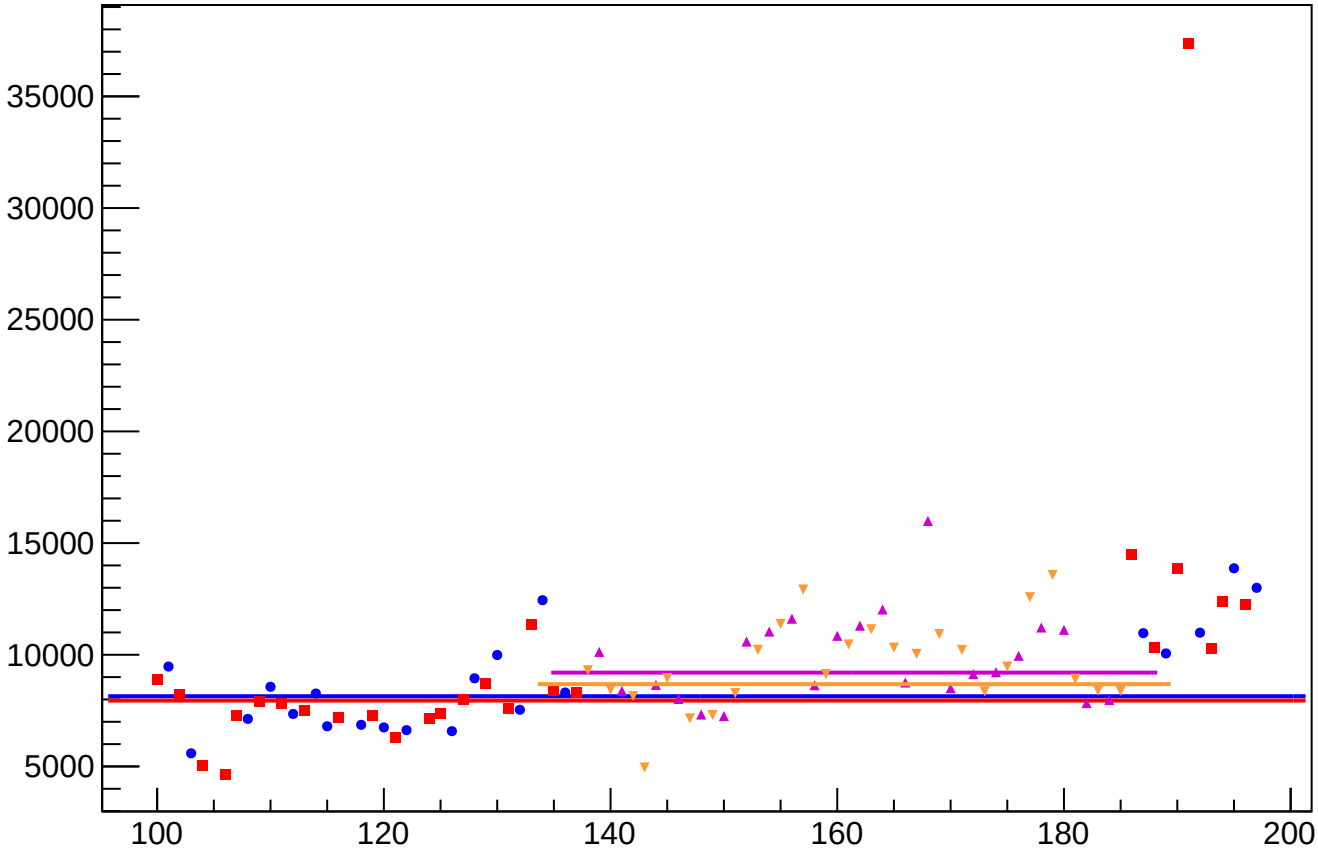
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

\+ sign 2319.835+/-1602.454 χ^2/NDF: 49.7/45

All: -665.371+/-1141.884 χ^2/NDF: 92.2/94

\- sign -3744.904+/-1627.574 χ^2/NDF: 35.4/48

asym_at2_avg_rms vs Slug



Right In: 8143.933+/-1.831 χ^2/NDF: 1325855.9/20

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 7949.729+/-1.720 χ^2/NDF: 1743265.1/25

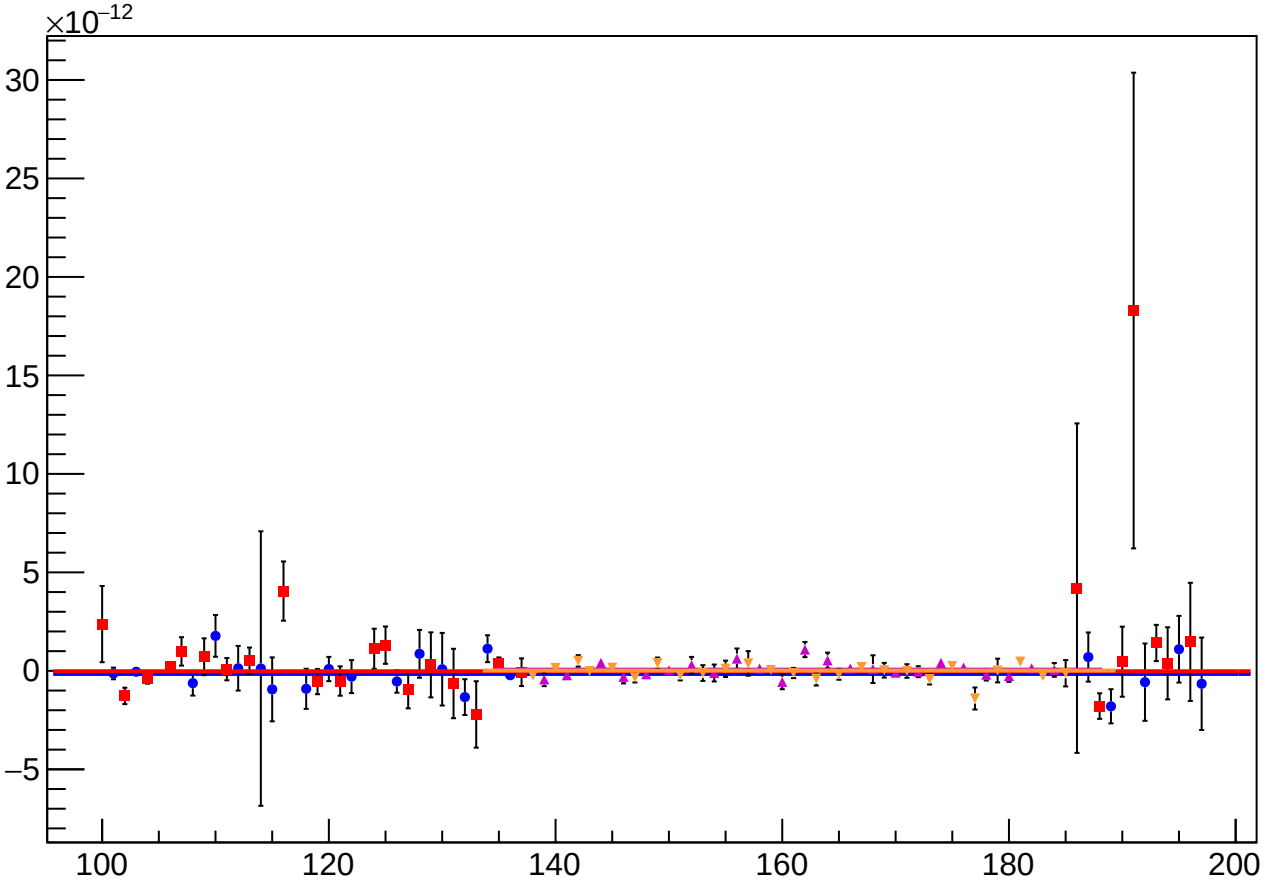
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8477.541+/-1.133 χ^2/NDF: 3431266.0/45

All: 8558.011+/-0.807 χ^2/NDF: 6606378.2/94

- sign 8641.018+/-1.151 χ^2/NDF: 3164866.3/48

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.6/25

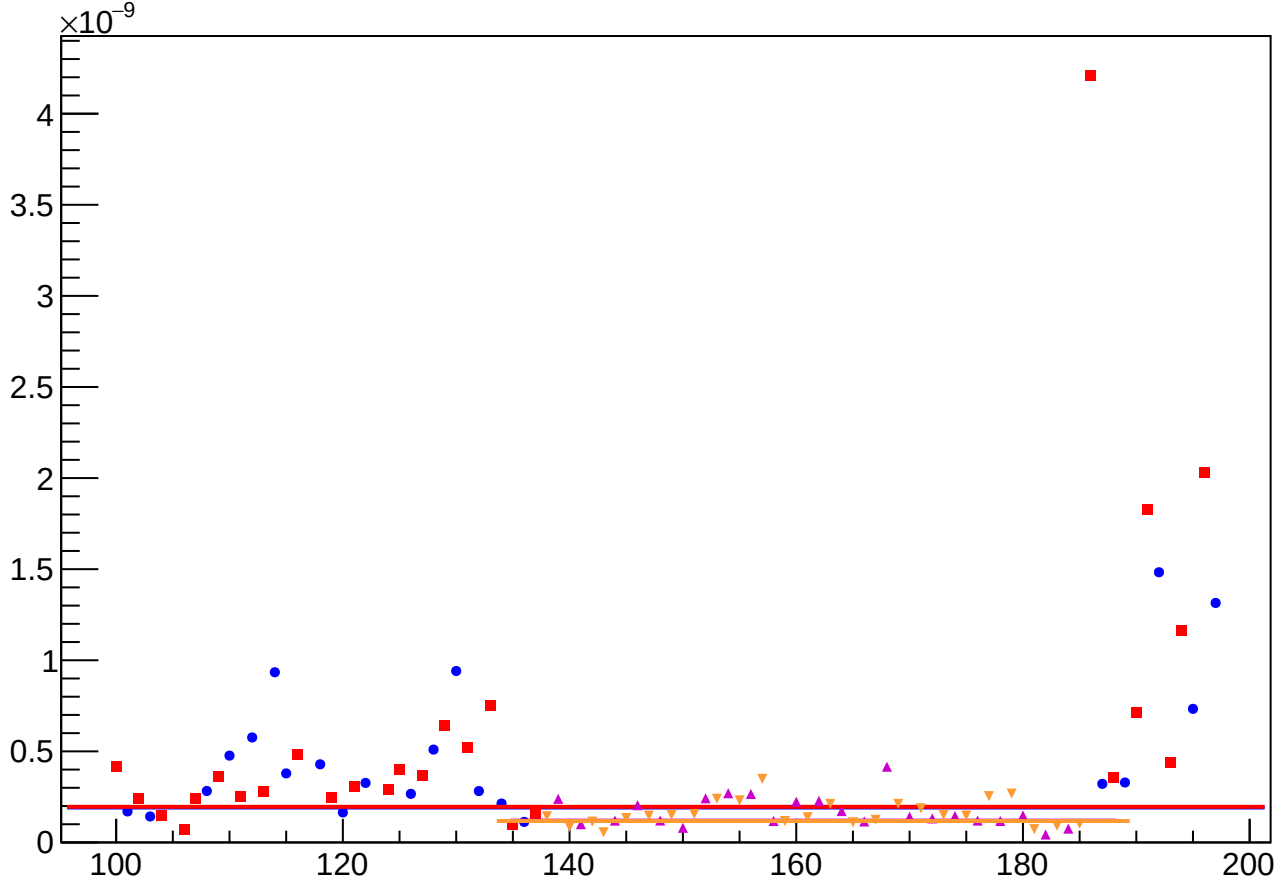
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.9/45

All: 0.000+/-0.000 χ^2/NDF: 121.5/94

- sign 0.000+/-0.000 χ^2/NDF: 73.8/48

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3157992.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3936758.9/25

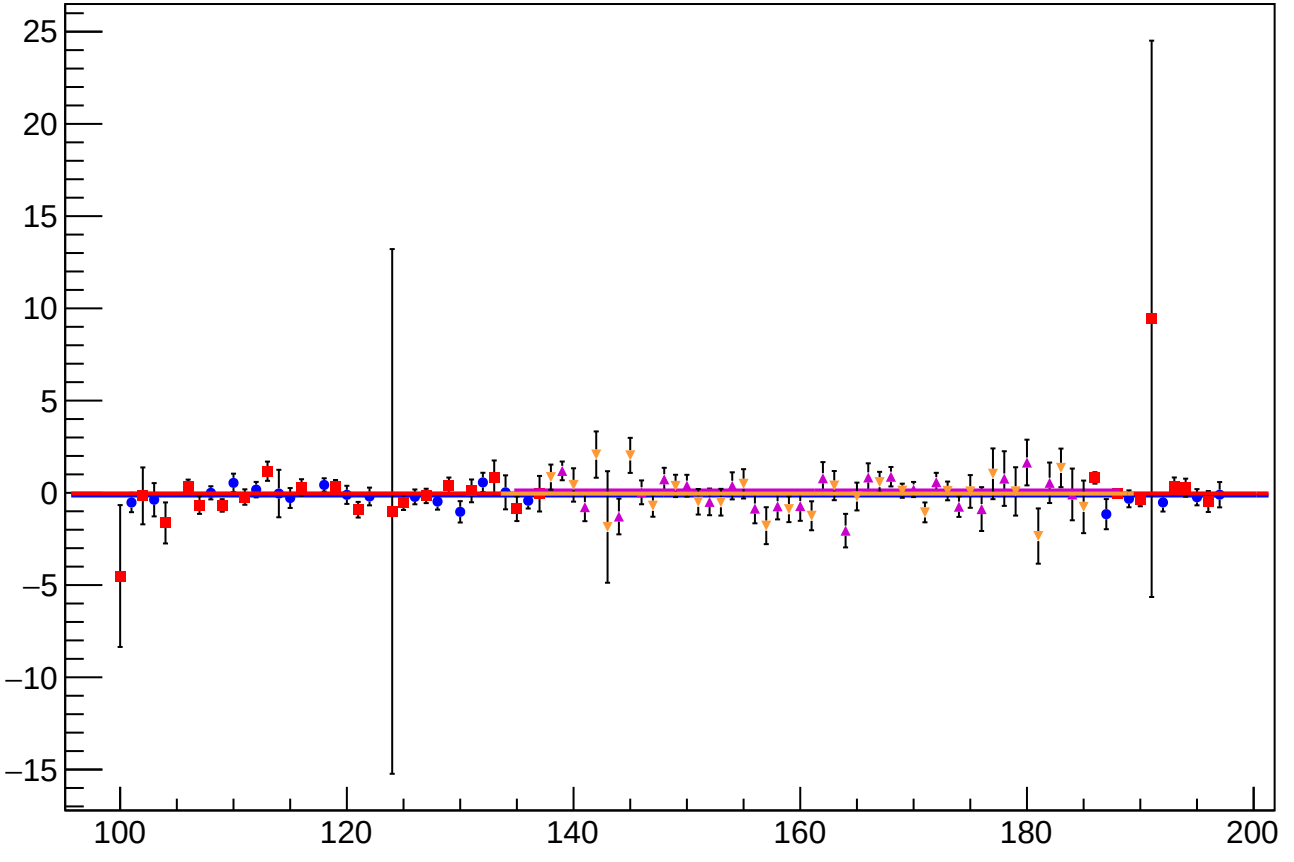
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6172968.0/45

All: 0.000+/-0.000 χ^2/NDF: 13454072.5/94

- sign 0.000+/-0.000 χ^2/NDF: 7276046.7/48

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.144+/-0.108 χ^2/NDF: 13.4/20

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.032+/-0.086 χ^2/NDF: 36.5/25

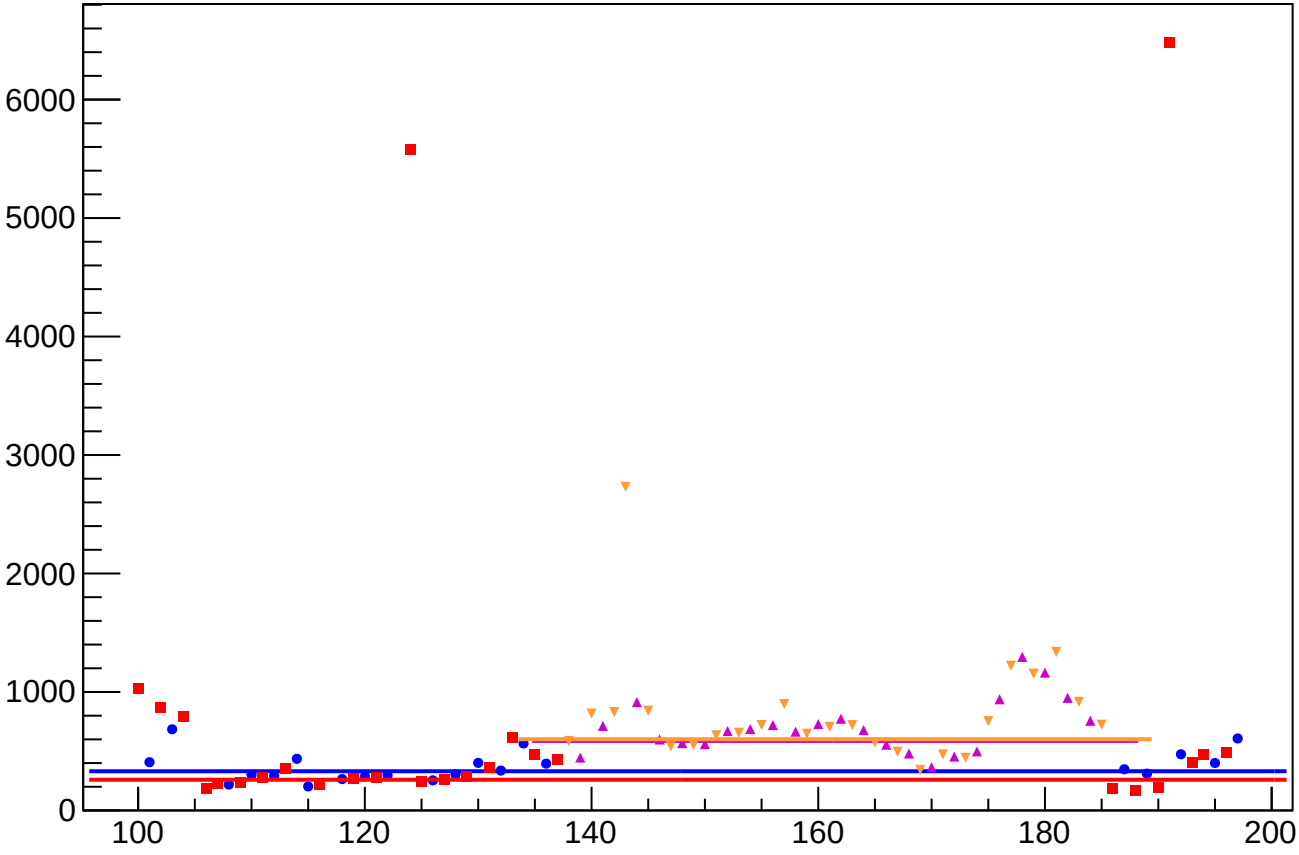
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.087 χ^2/NDF: 43.8/45

All: -0.039+/-0.057 χ^2/NDF: 111.3/94

- sign 0.010+/-0.074 χ^2/NDF: 66.5/48

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 330.893+/-0.077 χ^2/NDF: 1627477.5/20

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 259.143+/-0.061 χ^2/NDF: 3906190.1/25

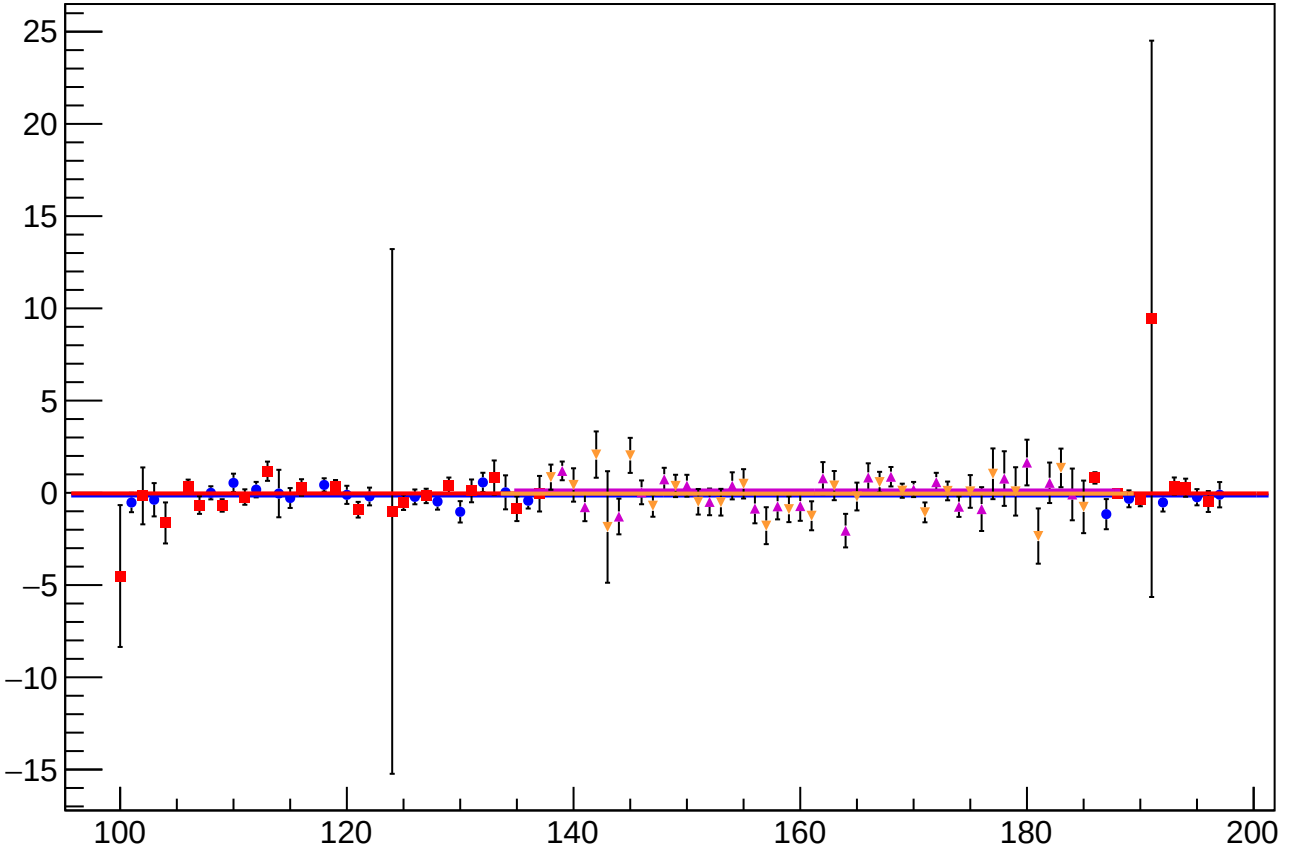
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 425.746+/-0.062 χ^2/NDF: 10447328.0/45

All: 378.696+/-0.040 χ^2/NDF: 25810508.2/94

- sign 344.755+/-0.052 χ^2/NDF: 14365091.9/48

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.144+/-0.108 χ^2/NDF: 13.4/20

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.032+/-0.086 χ^2/NDF: 36.5/25

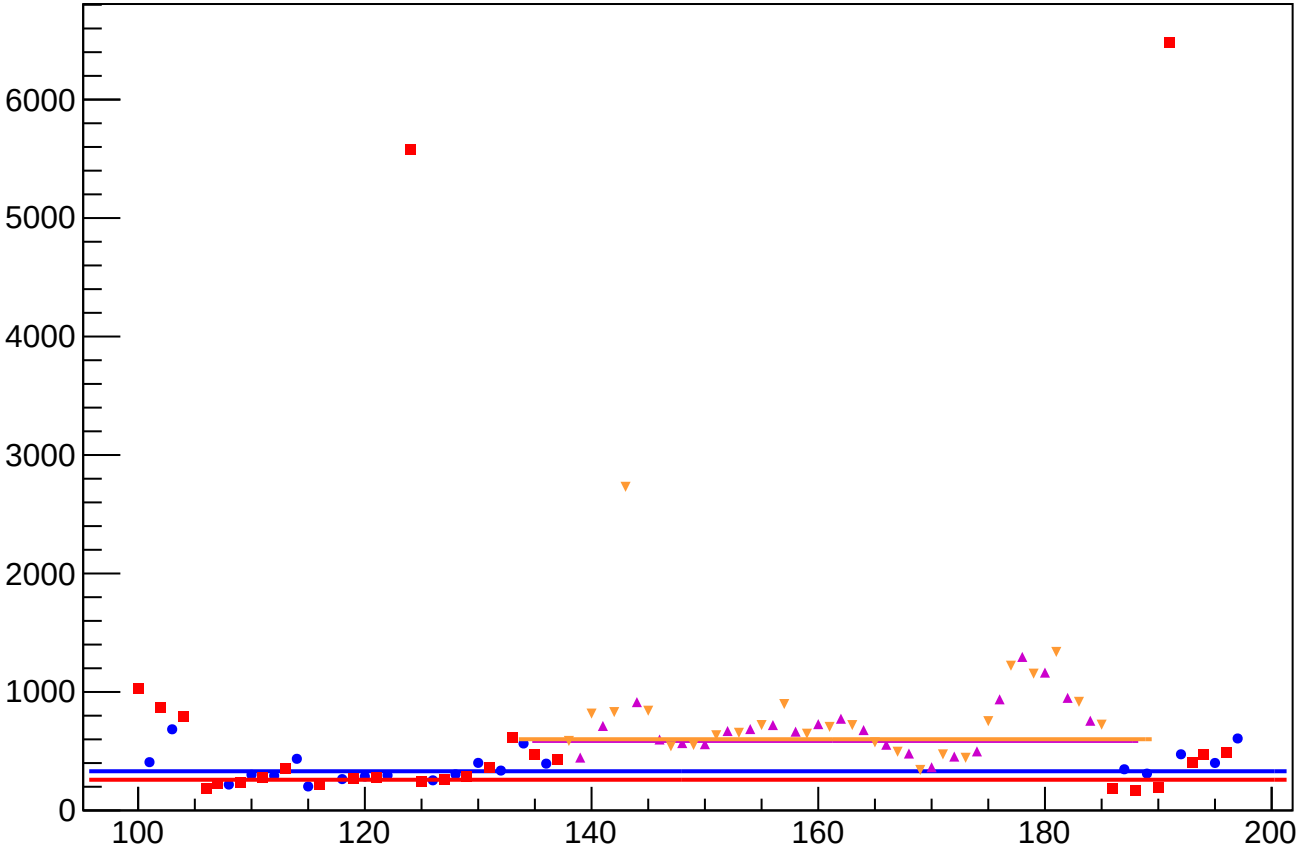
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.087 χ^2/NDF: 43.8/45

All: -0.039+/-0.057 χ^2/NDF: 111.3/94

- sign 0.010+/-0.074 χ^2/NDF: 66.5/48

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 330.893+/-0.077 χ^2/NDF: 1627477.5/20

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

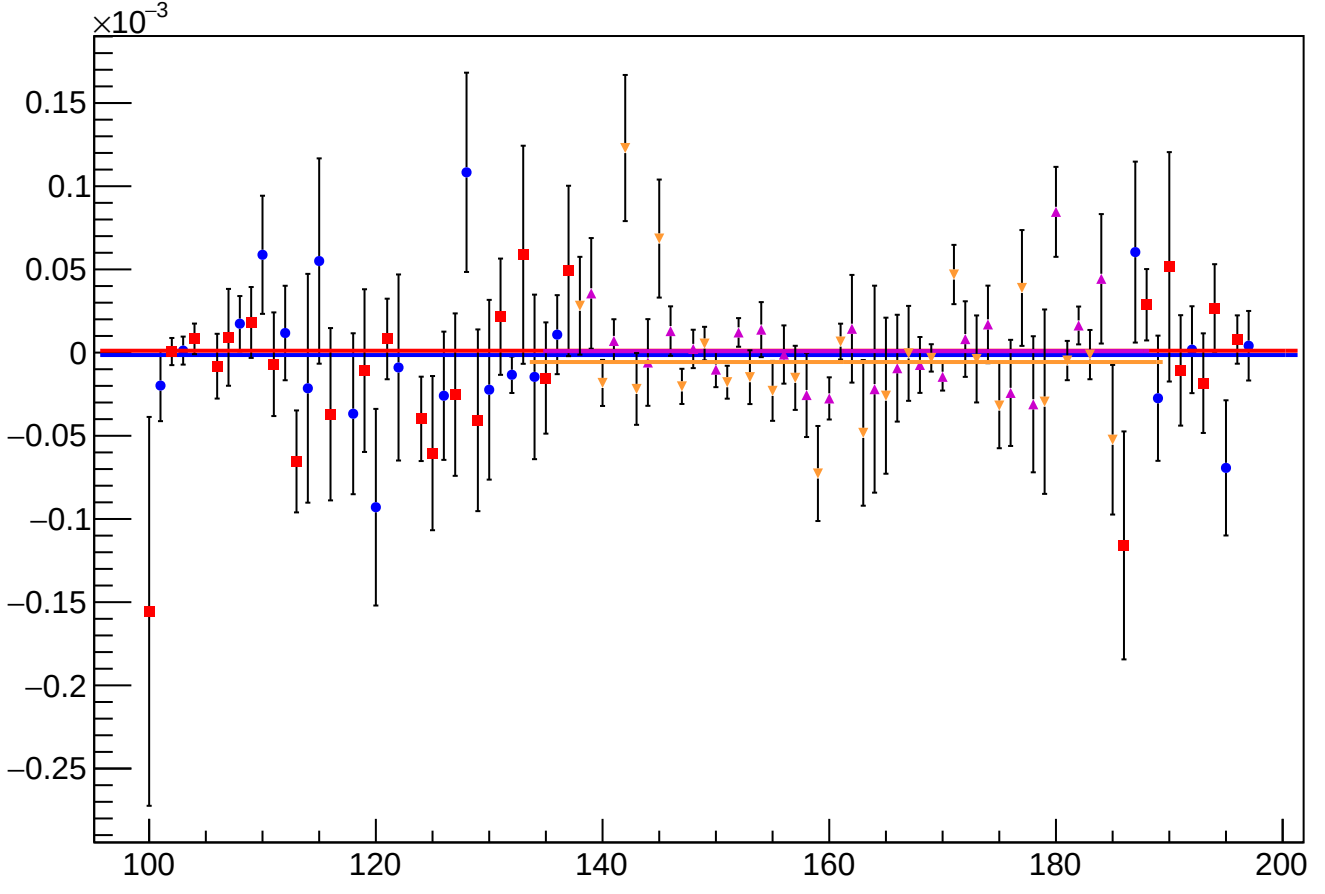
Right Out: 259.143+/-0.061 χ^2/NDF: 3906190.1/25

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 425.746+/-0.062 χ^2/NDF: 10447328.0/45

All: 378.696+/-0.040 χ^2/NDF: 25810508.2/94

- sign 344.755+/-0.052 χ^2/NDF: 14365091.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/25

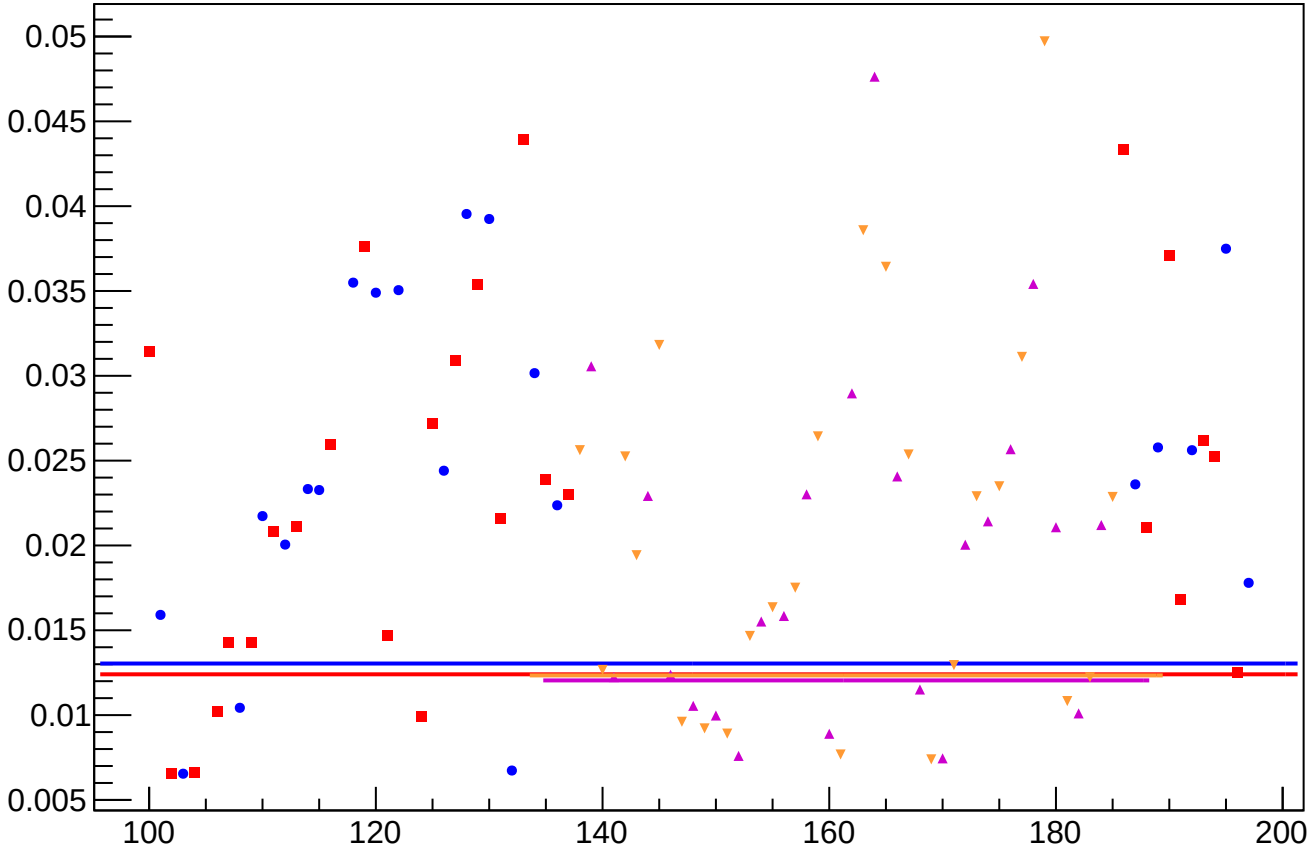
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.3/45

All: -0.000+/-0.000 χ^2/NDF: 117.6/94

- sign 0.000+/-0.000 χ^2/NDF: 53.3/48

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 6478435.9/20

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

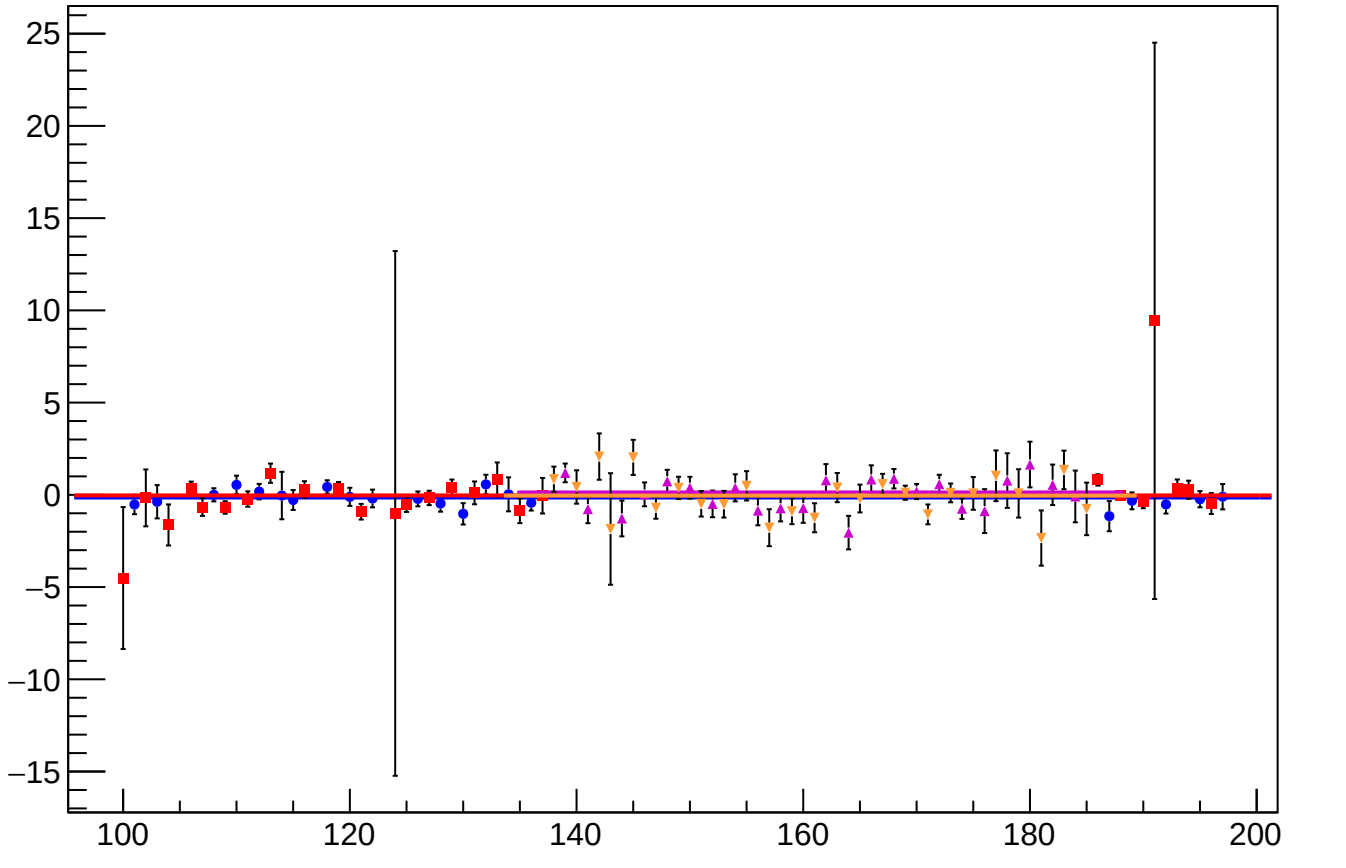
Right Out: 0.012+/-0.000 χ^2/NDF: 6619923.3/25

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 14345499.4/45

All: 0.012+/-0.000 χ^2/NDF: 27373270.9/94

- sign 0.012+/-0.000 χ^2/NDF: 13008109.2/48



Right In: -0.144+/-0.108 χ^2/NDF: 13.4/20

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.032+/-0.086 χ^2/NDF: 36.5/25

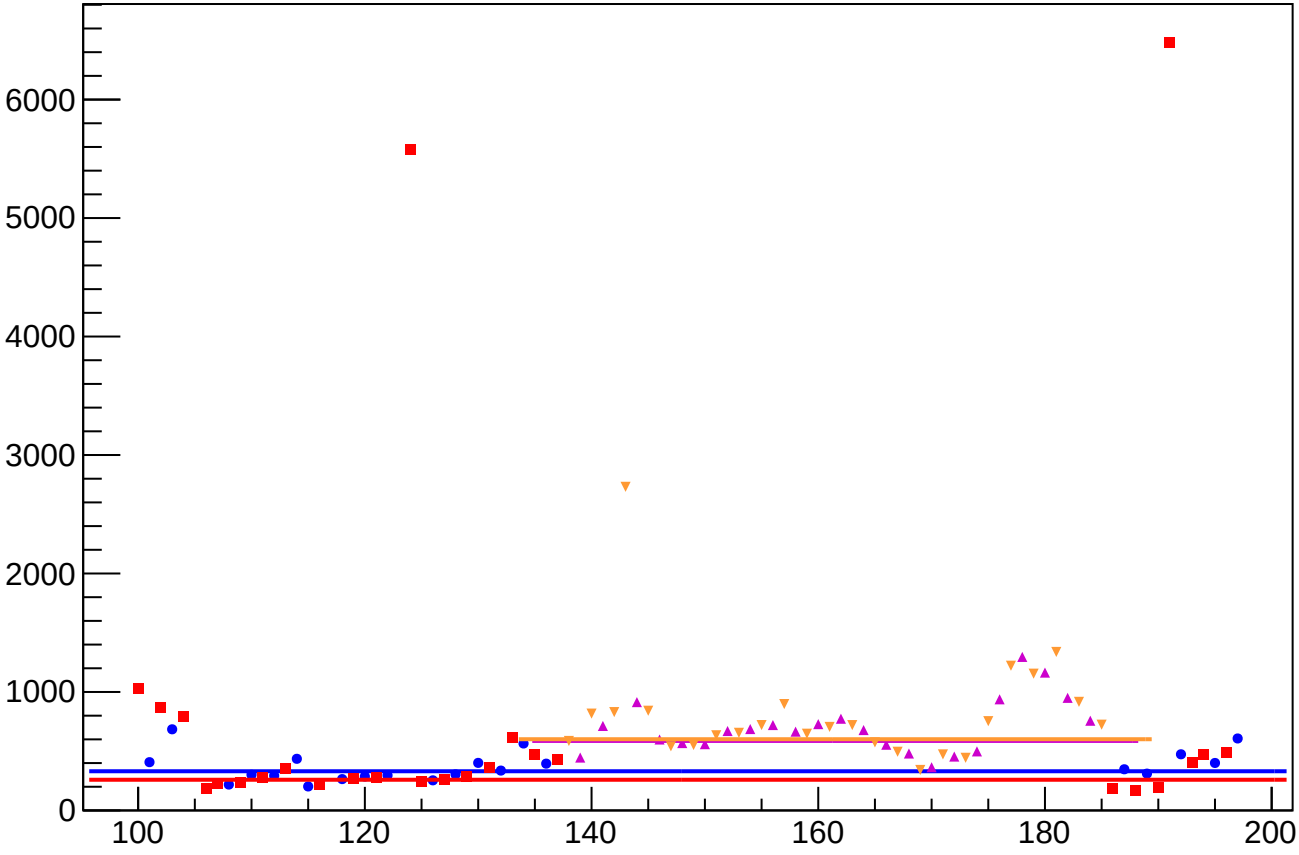
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.087 χ^2/NDF: 43.8/45

All: -0.039+/-0.057 χ^2/NDF: 111.3/94

- sign 0.010+/-0.074 χ^2/NDF: 66.5/48

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 330.891+/-0.077 χ^2/NDF: 1627447.5/20

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

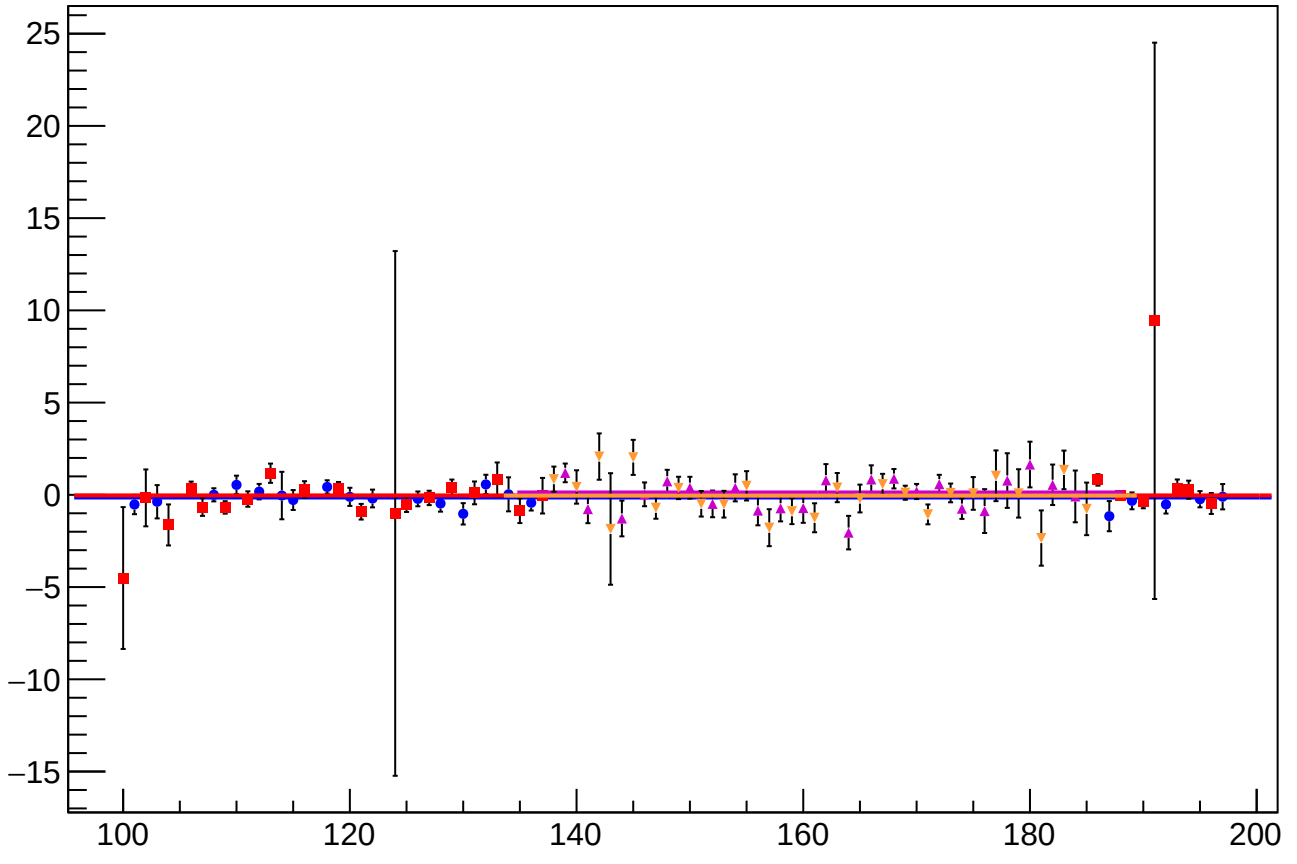
Right Out: 259.136+/-0.061 χ^2/NDF: 3906400.2/25

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 425.744+/-0.062 χ^2/NDF: 10447560.7/45

All: 378.690+/-0.040 χ^2/NDF: 25811686.8/94

- sign 344.748+/-0.052 χ^2/NDF: 14365881.1/48



Right In: -0.144+/-0.108 χ^2/NDF: 13.4/20

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

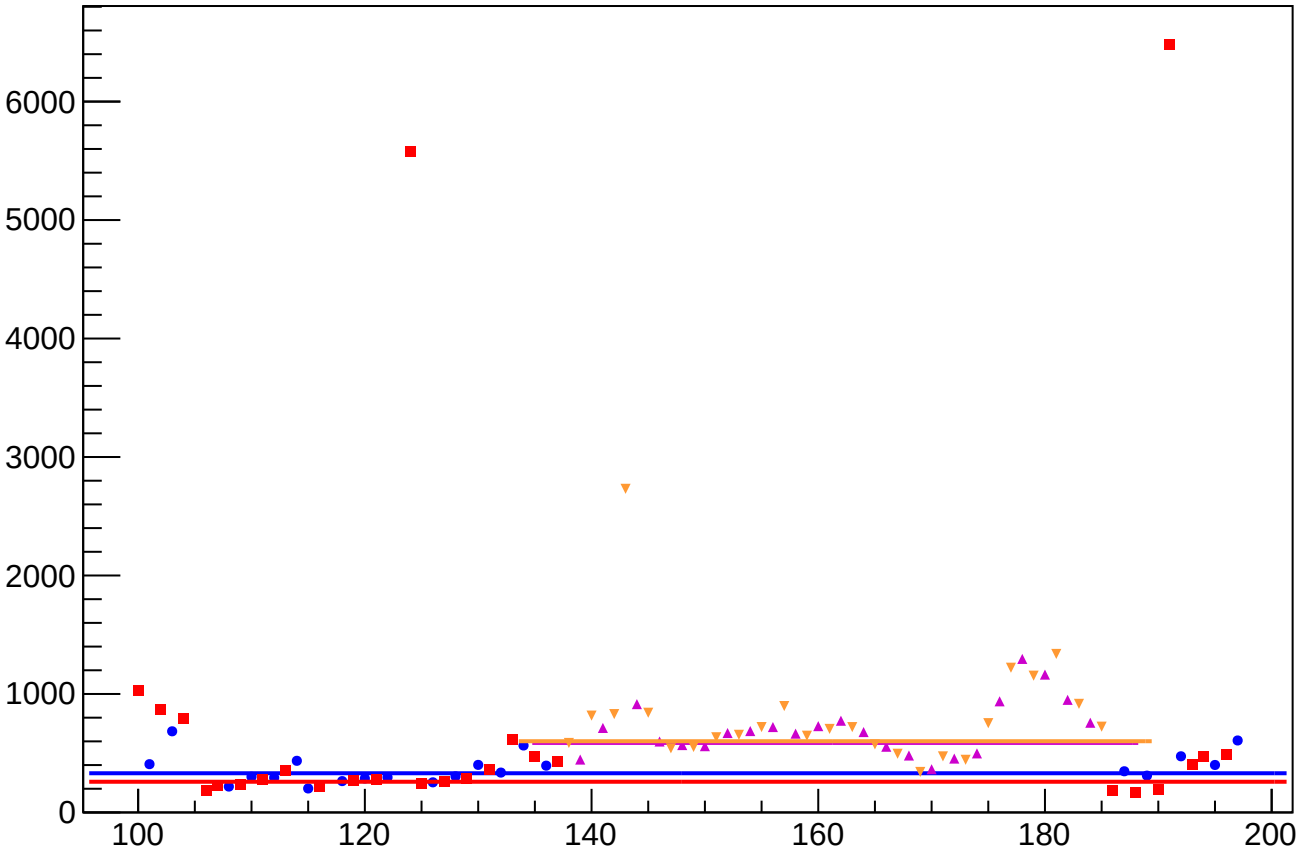
Right Out: -0.032+/-0.086 χ^2/NDF: 36.5/25

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.108+/-0.087 χ^2/NDF: 43.8/45

All: -0.039+/-0.057 χ^2/NDF: 111.3/94

- sign 0.010+/-0.074 χ^2/NDF: 66.5/48



Right In: 330.891+/-0.077 χ^2/NDF: 1627447.5/20

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

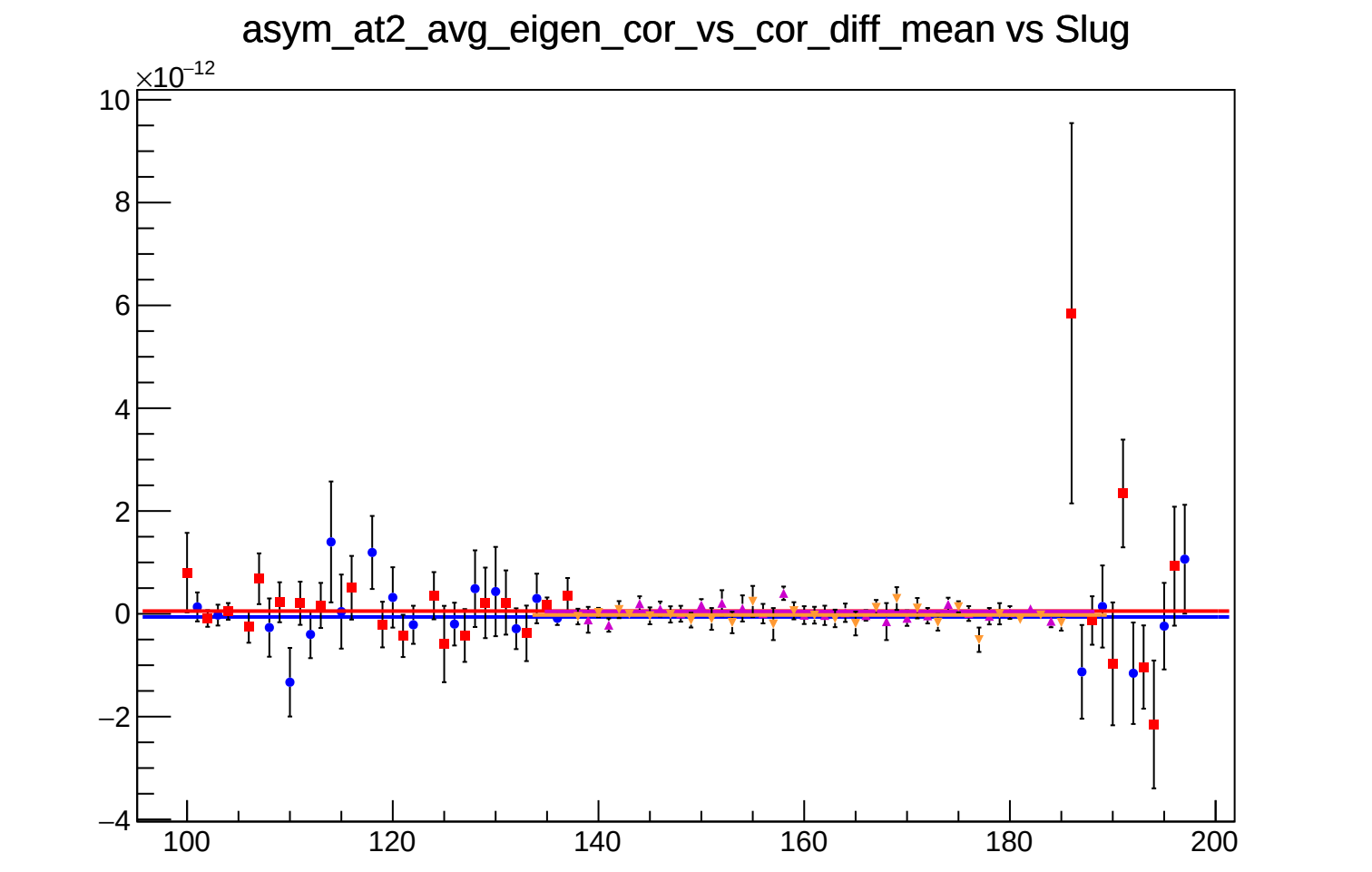
Right Out: 259.136+/-0.061 χ^2/NDF: 3906400.2/25

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 425.744+/-0.062 χ^2/NDF: 10447560.7/45

All: 378.690+/-0.040 χ^2/NDF: 25811686.8/94

- sign 344.748+/-0.052 χ^2/NDF: 14365881.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/25

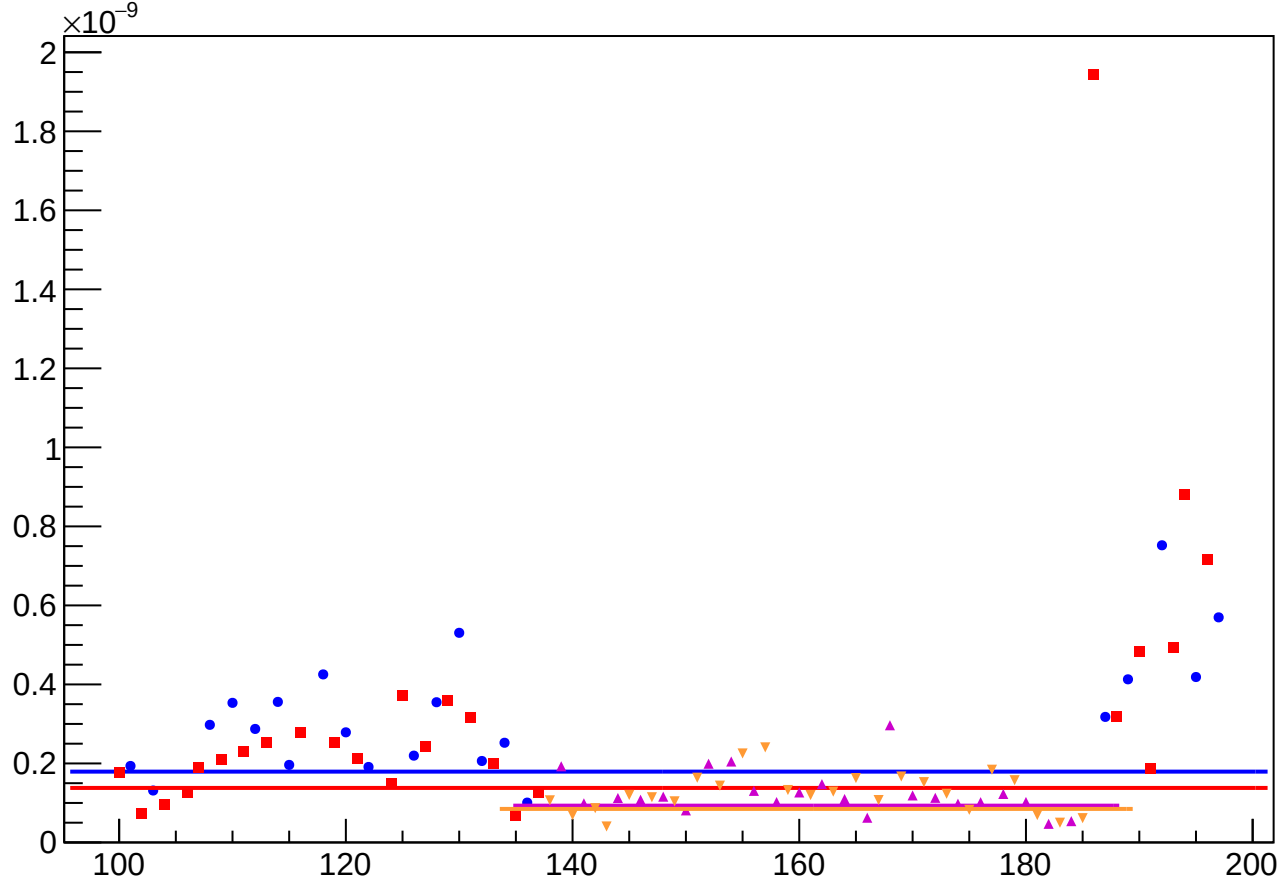
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.4/45

All: 0.000+/-0.000 χ^2/NDF: 83.4/94

- sign 0.000+/-0.000 χ^2/NDF: 47.1/48

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3356425.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4819155.7/25

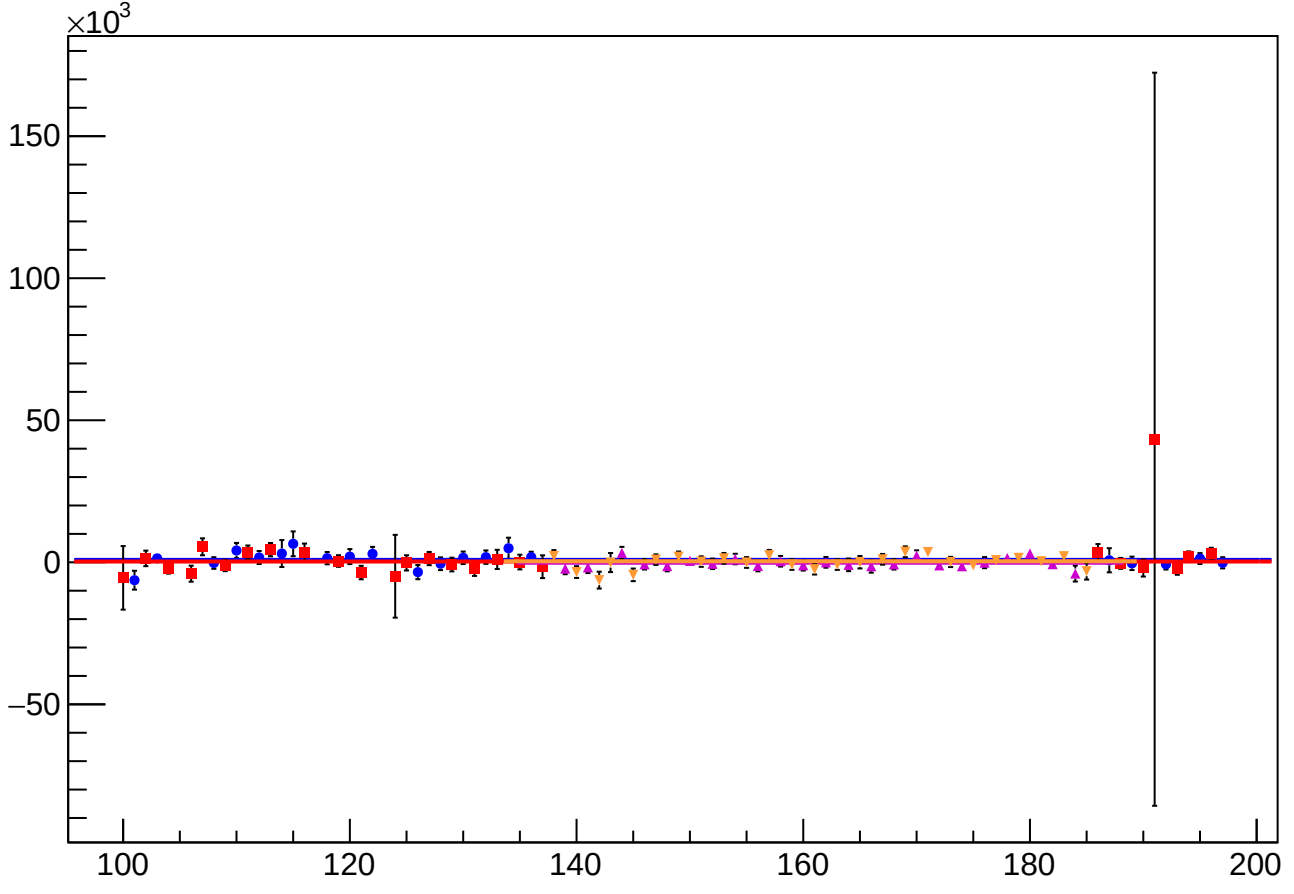
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11106058.4/45

All: 0.000+/-0.000 χ^2/NDF: 20586265.0/94

- sign 0.000+/-0.000 χ^2/NDF: 9419629.0/48

reg_asym_at2_dd_mean vs Slug



Right In: 858.184+/-515.894 χ^2/NDF: 16.0/20

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 273.398+/-498.188 χ^2/NDF: 25.1/25

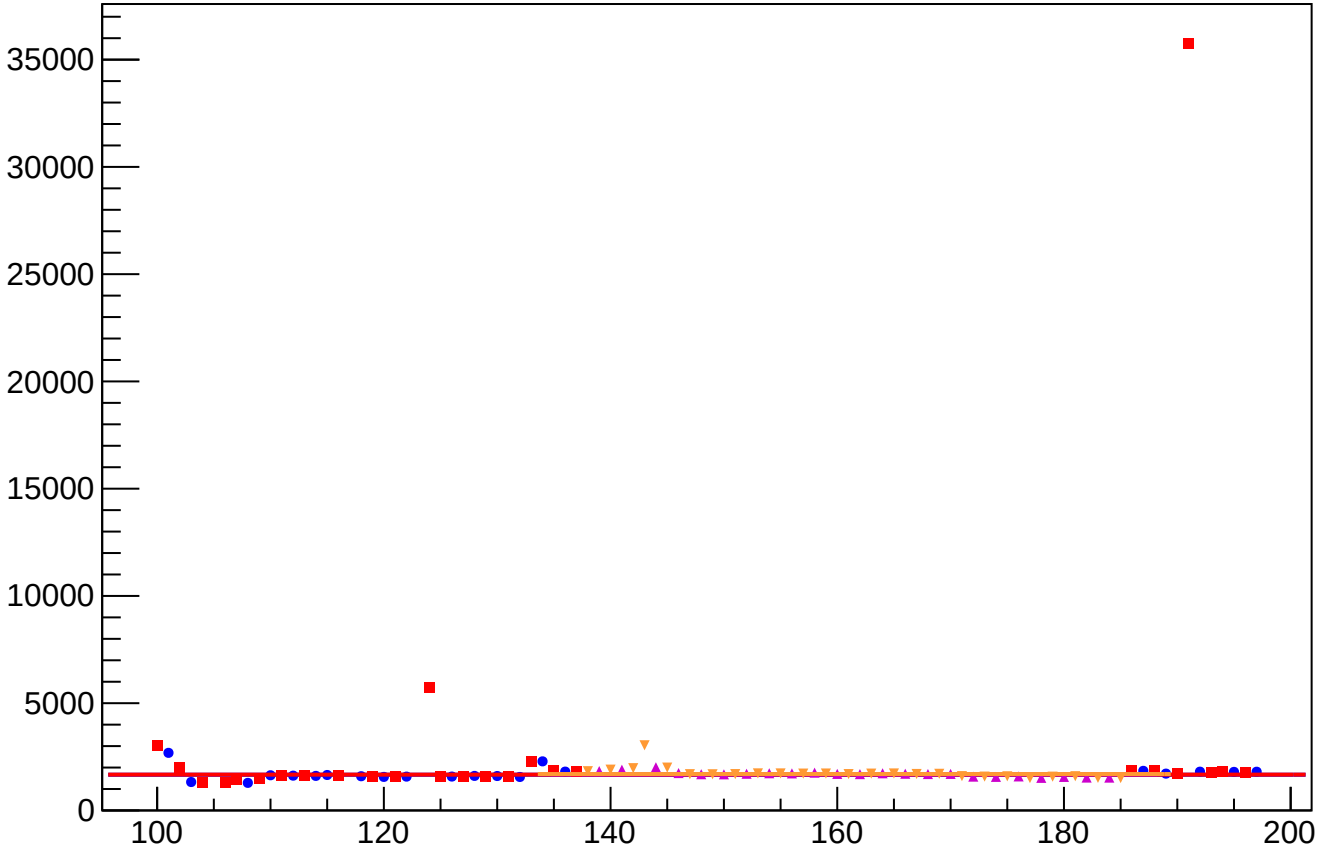
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 541.114+/-310.155 χ^2/NDF: 46.2/45

All: 274.065+/-218.960 χ^2/NDF: 89.2/94

- sign 8.730+/-309.159 χ^2/NDF: 41.5/48

reg_asym_at2_dd_rms vs Slug



Right In: 1663.875+/-0.365 χ^2/NDF: 455313.3/20

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1670.055+/-0.352 χ^2/NDF: 653702.0/25

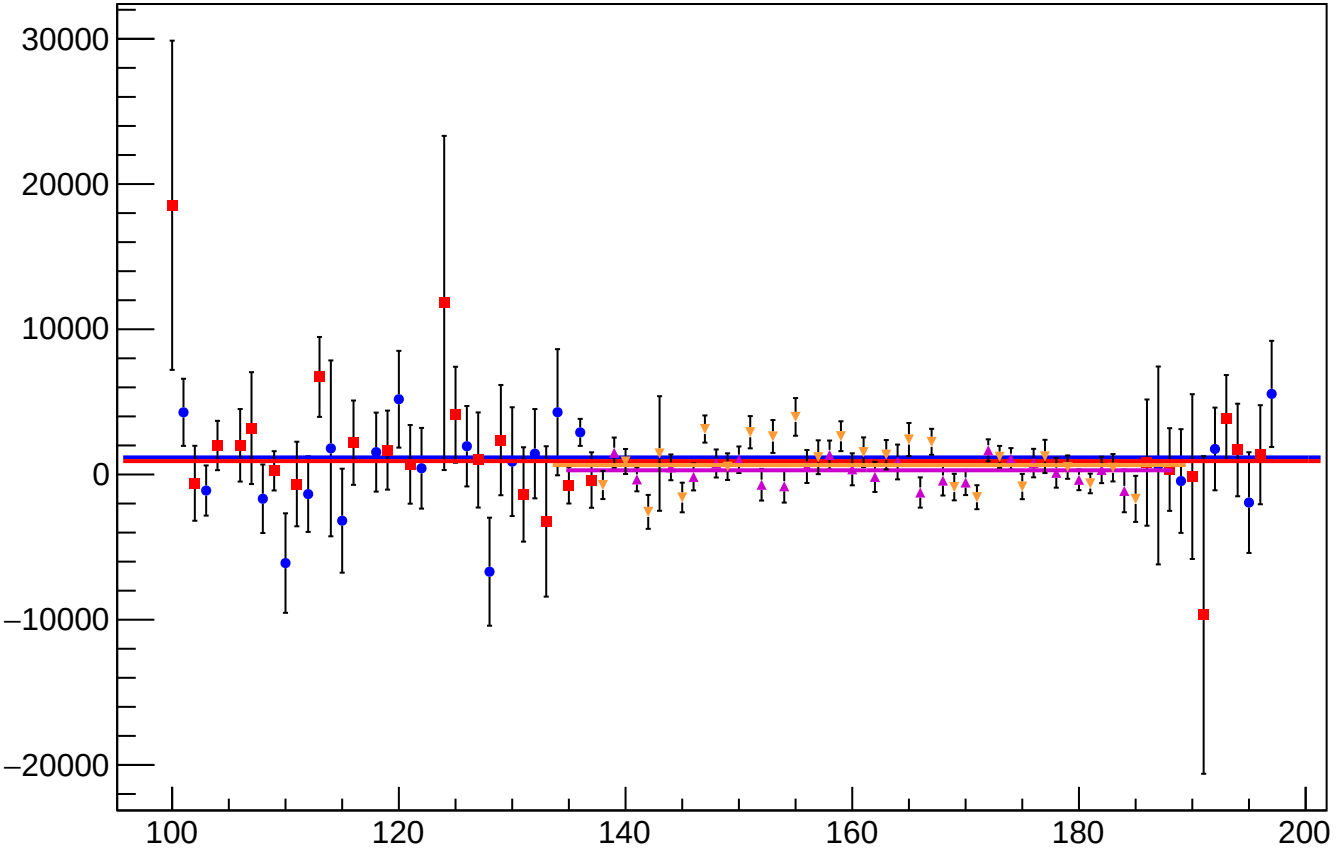
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1685.344+/-0.219 χ^2/NDF: 956135.0/45

All: 1682.154+/-0.155 χ^2/NDF: 1776659.4/94

- sign 1678.985+/-0.219 χ^2/NDF: 820102.6/48

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1175.961+/-545.243 χ^2/NDF: 24.5/20

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 921.051+/-517.700 χ^2/NDF: 16.4/25

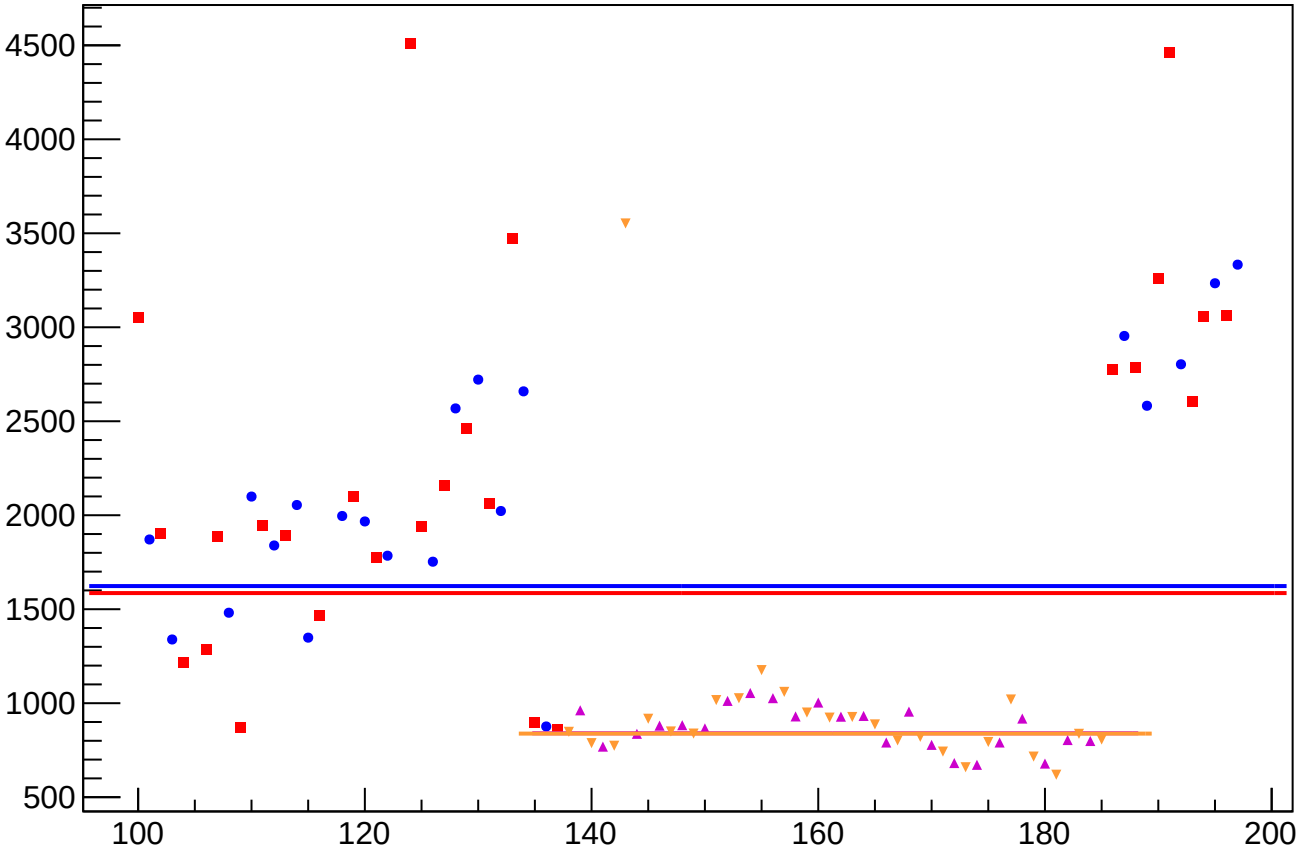
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 709.269+/-184.170 χ^2/NDF: 90.8/45

All: 540.544+/-130.639 χ^2/NDF: 126.7/94

- sign 369.672+/-185.338 χ^2/NDF: 34.2/48

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1623.162+/-0.386 χ^2/NDF: 3400240.2/20

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1585.900+/-0.366 χ^2/NDF: 4268589.6/25

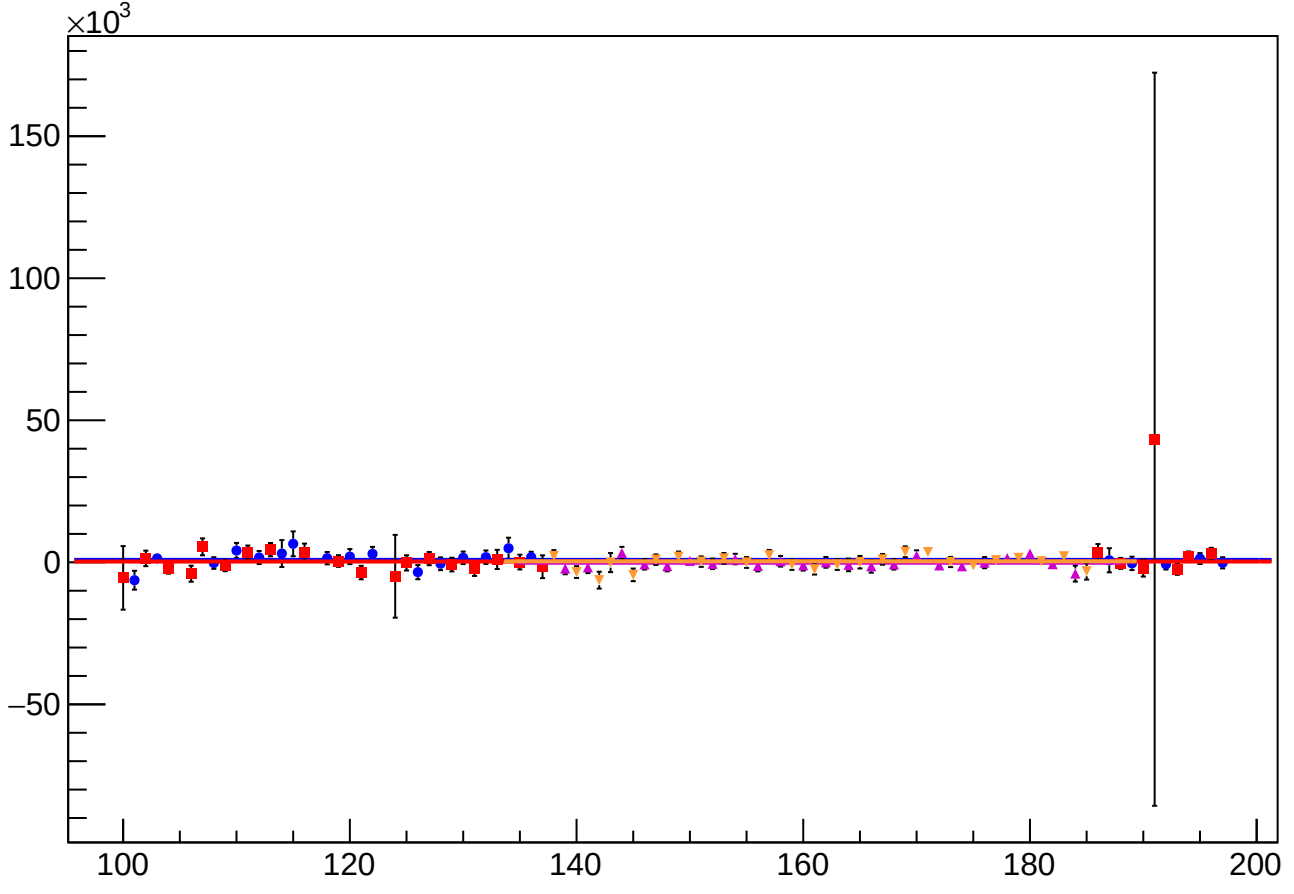
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 927.796+/-0.130 χ^2/NDF: 8872361.4/45

All: 931.663+/-0.092 χ^2/NDF: 17431963.5/94

- sign 935.578+/-0.131 χ^2/NDF: 8557828.2/48

cor_asym_at2_dd_mean vs Slug



Right In: 858.154+/-515.894 χ^2/NDF: 16.0/20

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 273.626+/-498.188 χ^2/NDF: 25.1/25

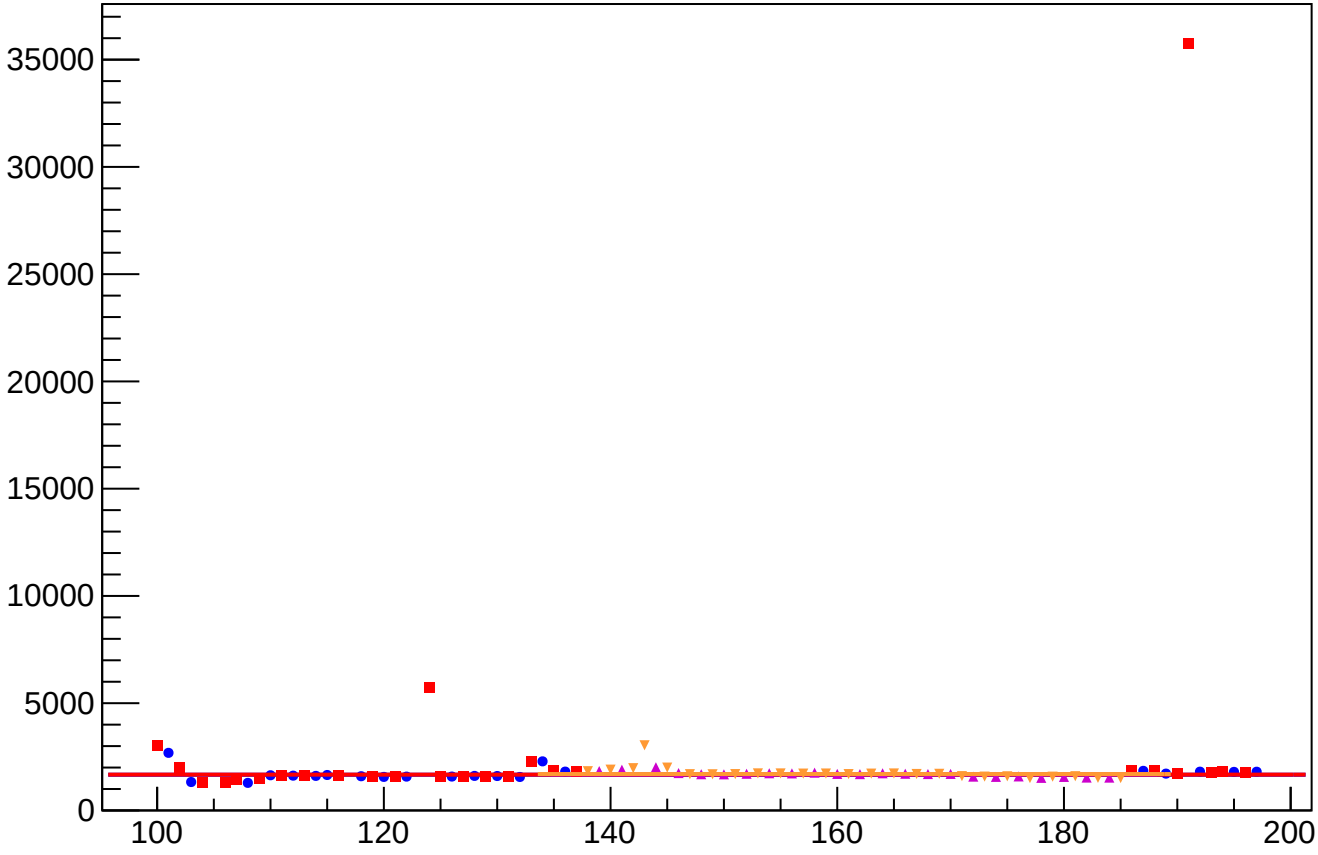
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 541.049+/-310.155 χ^2/NDF: 46.2/45

All: 274.106+/-218.960 χ^2/NDF: 89.2/94

- sign 8.875+/-309.159 χ^2/NDF: 41.5/48

cor_asym_at2_dd_rms vs Slug



Right In: 1663.875+/-0.365 χ^2/NDF: 455313.6/20

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

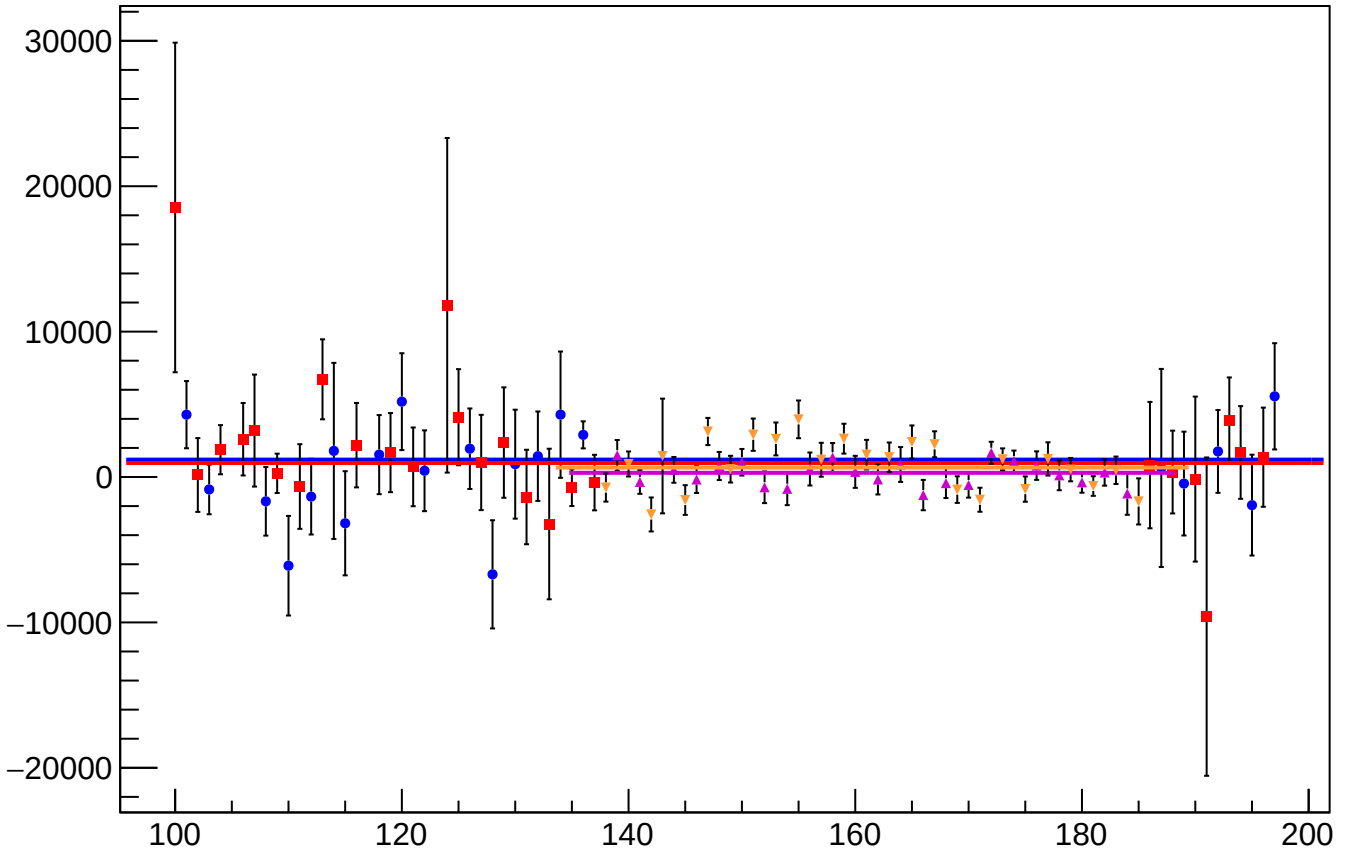
Right Out: 1670.055+/-0.352 χ^2/NDF: 653702.1/25

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1685.344+/-0.219 χ^2/NDF: 956135.4/45

All: 1682.154+/-0.155 χ^2/NDF: 1776659.8/94

- sign 1678.985+/-0.219 χ^2/NDF: 820102.7/48



Right In: 1196.237+/-544.557 χ^2/NDF: 24.2/20

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 965.607+/-517.083 χ^2/NDF: 16.3/25

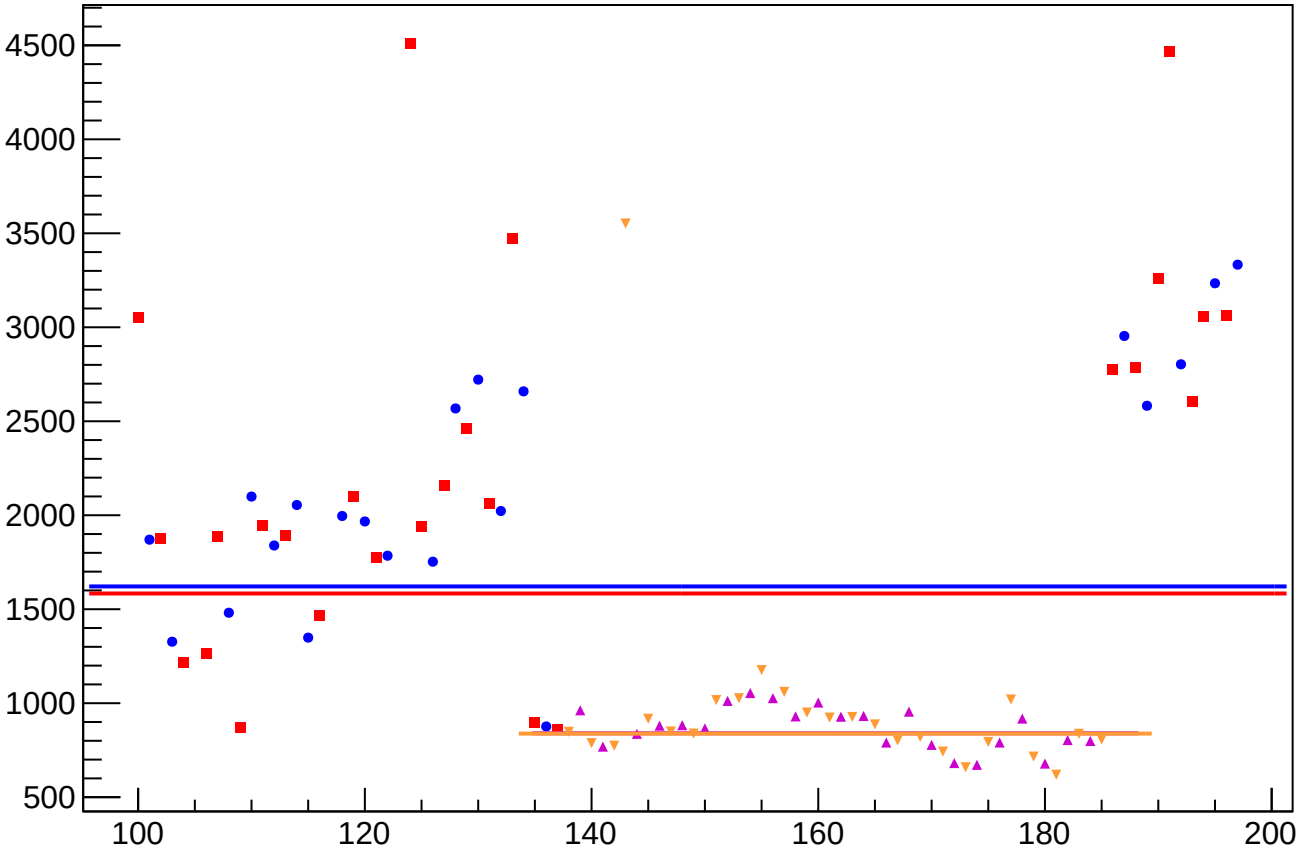
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 711.723+/-184.146 χ^2/NDF: 90.6/45

All: 544.697+/-130.620 χ^2/NDF: 126.6/94

- sign 375.552+/-185.310 χ^2/NDF: 34.3/48

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1621.229+/-0.385 χ^2/NDF: 3406037.0/20

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1583.645+/-0.366 χ^2/NDF: 4270736.7/25

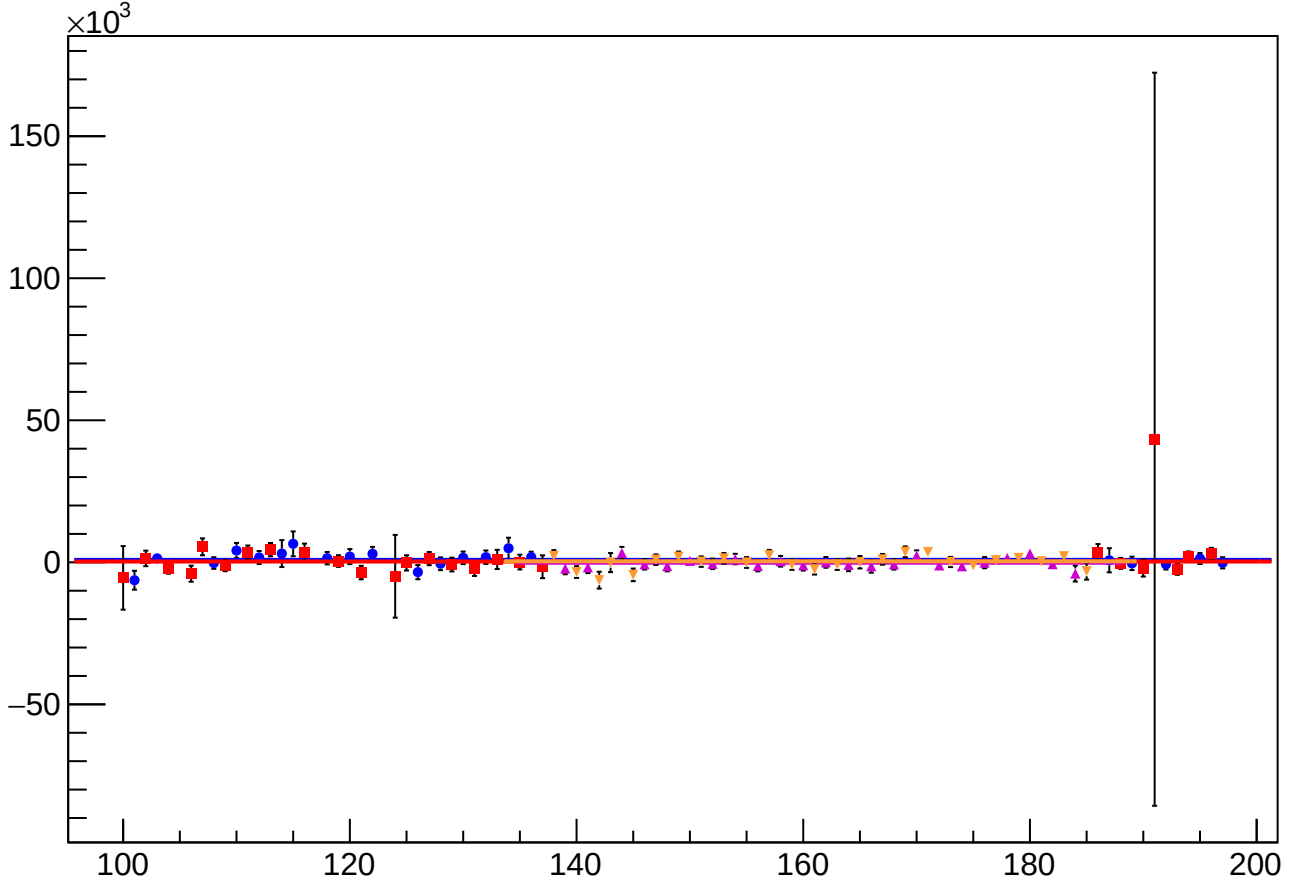
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 927.787+/-0.130 χ^2/NDF: 8868036.2/45

All: 931.614+/-0.092 χ^2/NDF: 17415362.5/94

- sign 935.490+/-0.131 χ^2/NDF: 8545587.8/48

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 858.154+/-515.894 χ^2/NDF: 16.0/20

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 273.626+/-498.188 χ^2/NDF: 25.1/25

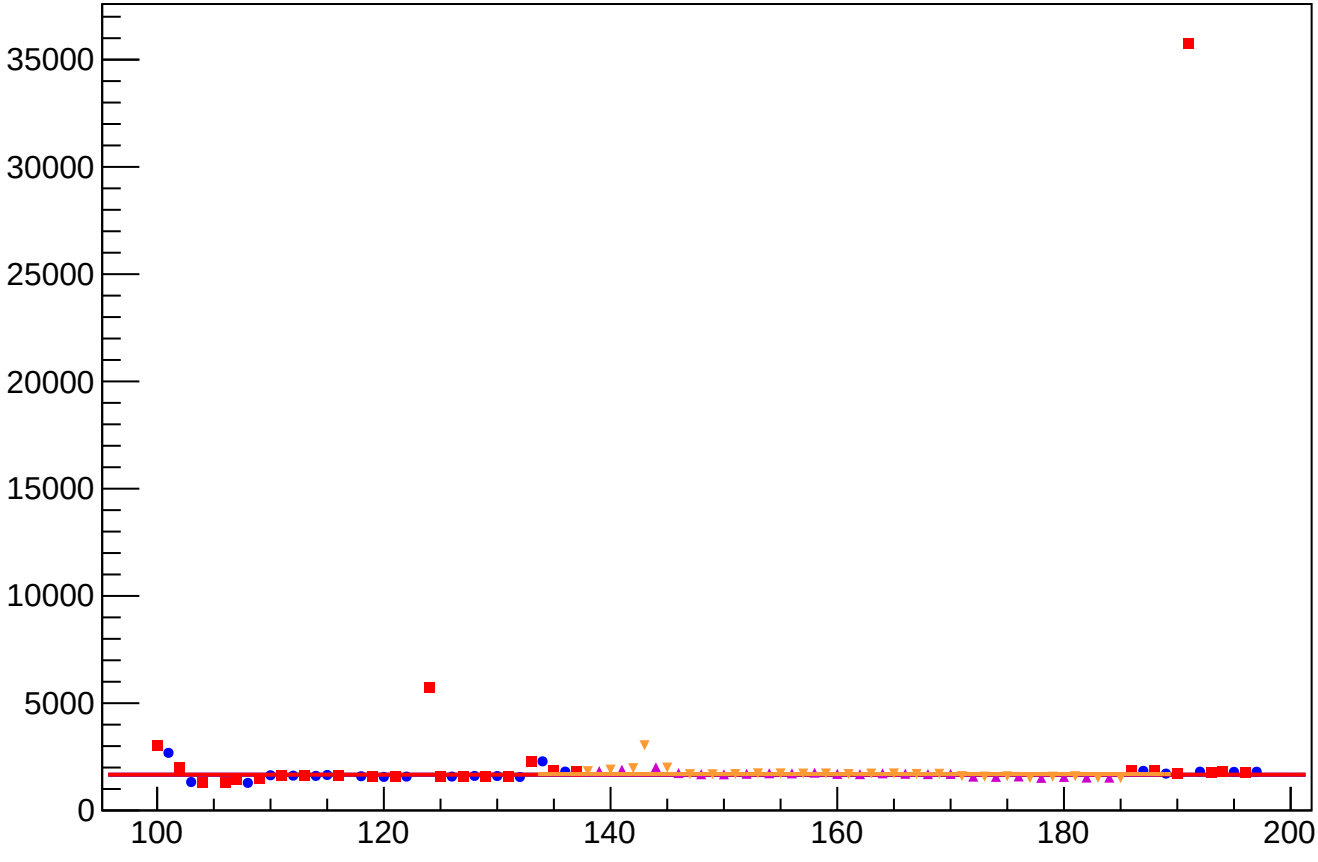
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 541.049+/-310.155 χ^2/NDF: 46.2/45

All: 274.106+/-218.960 χ^2/NDF: 89.2/94

- sign 8.875+/-309.159 χ^2/NDF: 41.5/48

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1663.875+/-0.365 χ^2/NDF: 455313.6/20

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

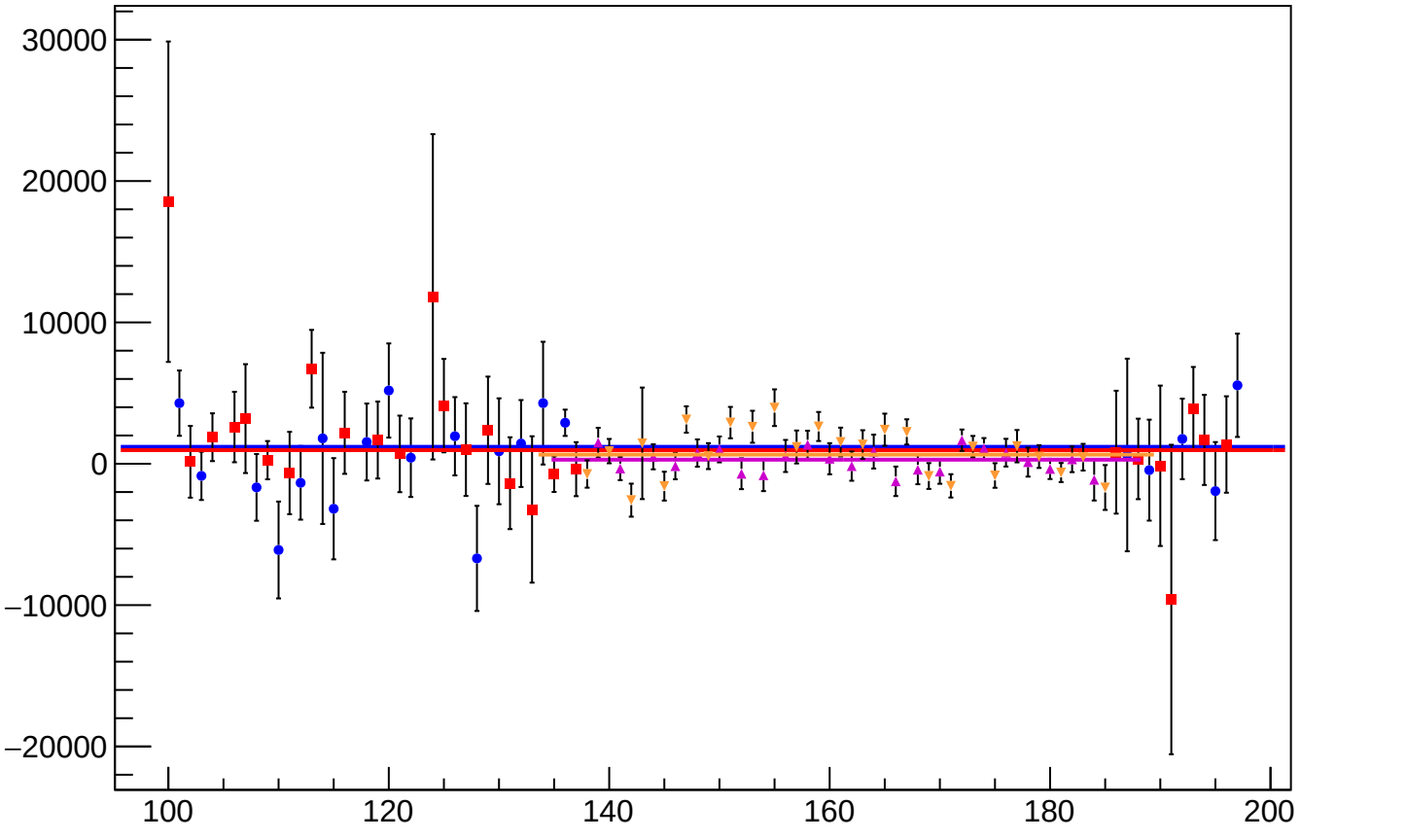
Right Out: 1670.055+/-0.352 χ^2/NDF: 653702.1/25

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1685.344+/-0.219 χ^2/NDF: 956135.4/45

All: 1682.154+/-0.155 χ^2/NDF: 1776659.8/94

- sign 1678.985+/-0.219 χ^2/NDF: 820102.7/48



Right In: 1196.237+/-544.557 χ^2/NDF: 24.2/20

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 965.607+/-517.083 χ^2/NDF: 16.3/25

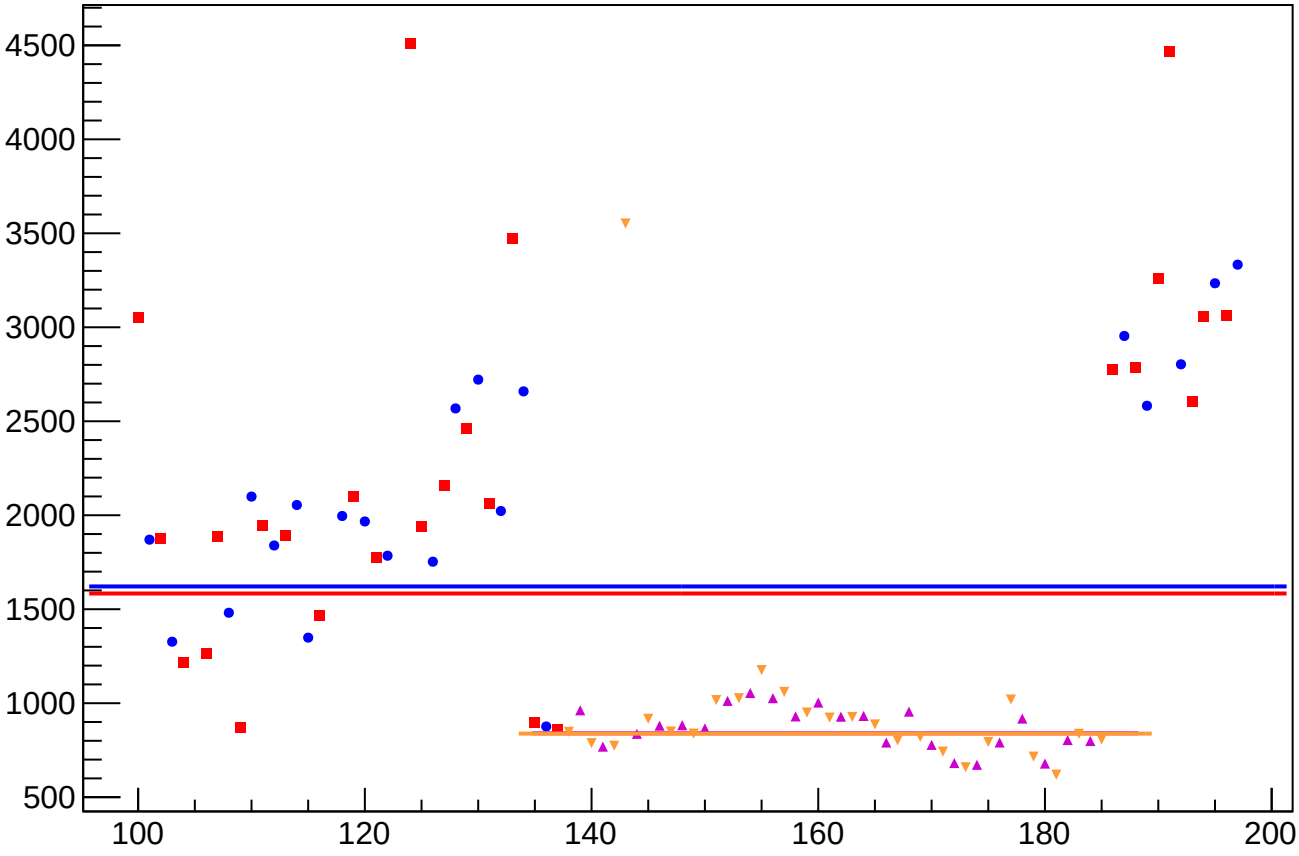
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 711.723+/-184.146 χ^2/NDF: 90.6/45

All: 544.697+/-130.620 χ^2/NDF: 126.6/94

- sign 375.552+/-185.310 χ^2/NDF: 34.3/48

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1621.229+/-0.385 χ^2/NDF: 3406037.0/20

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1583.645+/-0.366 χ^2/NDF: 4270736.7/25

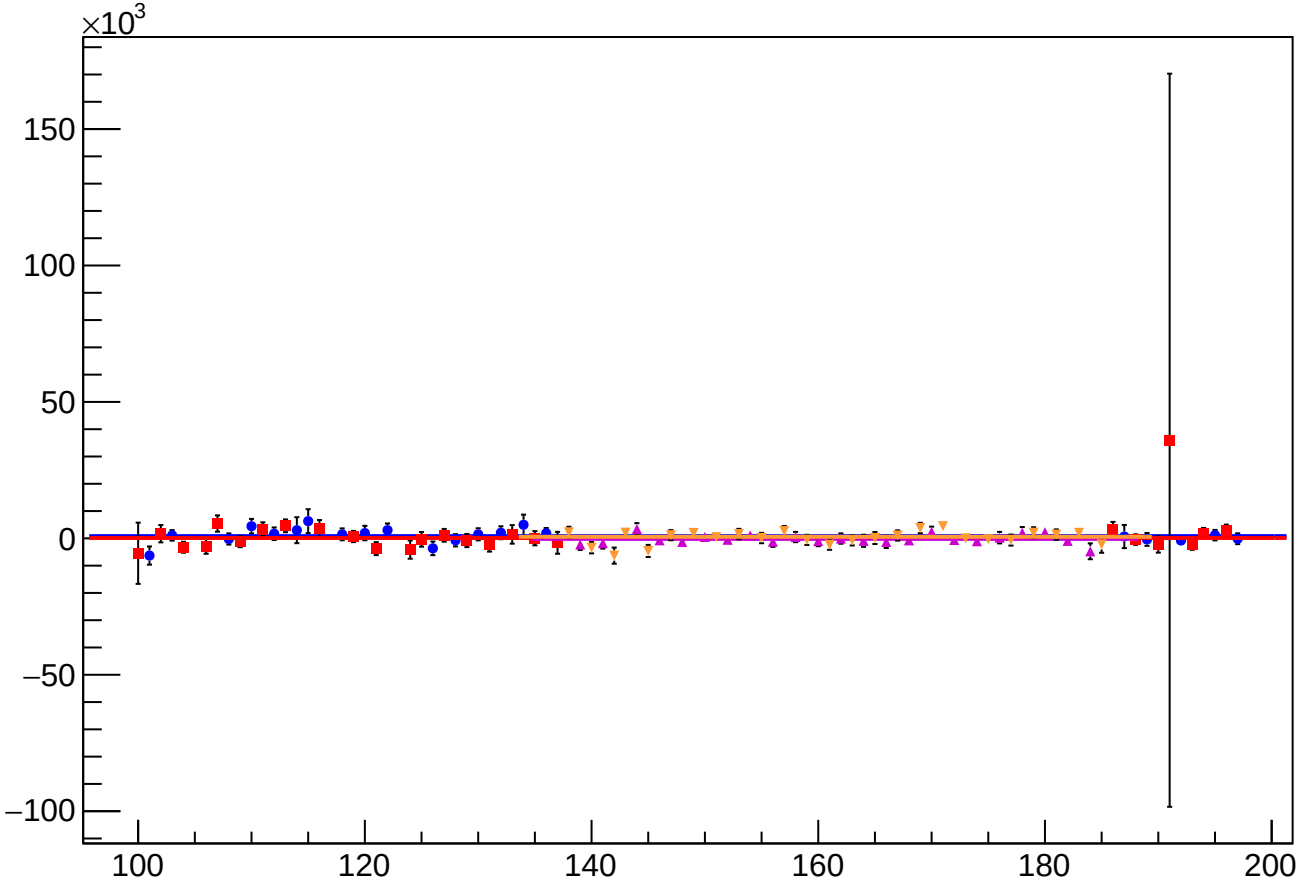
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 927.787+/-0.130 χ^2/NDF: 8868036.2/45

All: 931.614+/-0.092 χ^2/NDF: 17415362.5/94

- sign 935.490+/-0.131 χ^2/NDF: 8545587.8/48

dit_asym_at2_dd_mean vs Slug



Right In: 809.365+/-521.288 χ^2/NDF: 16.6/20

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 144.298+/-498.374 χ^2/NDF: 27.0/25

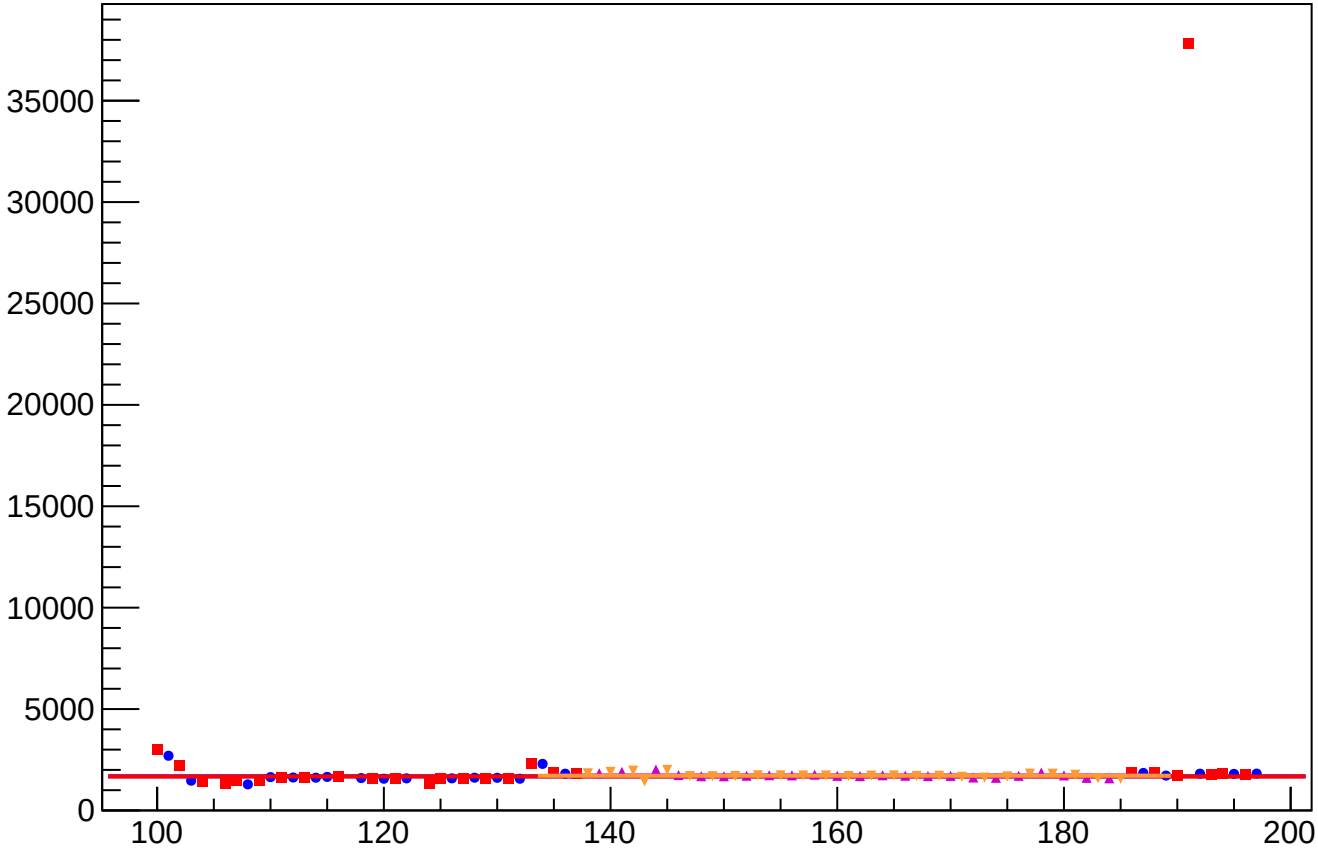
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 662.440+/-312.159 χ^2/NDF: 48.6/45

All: 305.749+/-221.336 χ^2/NDF: 93.0/94

- sign -54.886+/-313.880 χ^2/NDF: 41.7/48

dit_asym_at2_dd_rms vs Slug



Right In: 1683.418+/-0.369 χ^2/NDF: 402742.9/20

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1675.573+/-0.352 χ^2/NDF: 512800.4/25

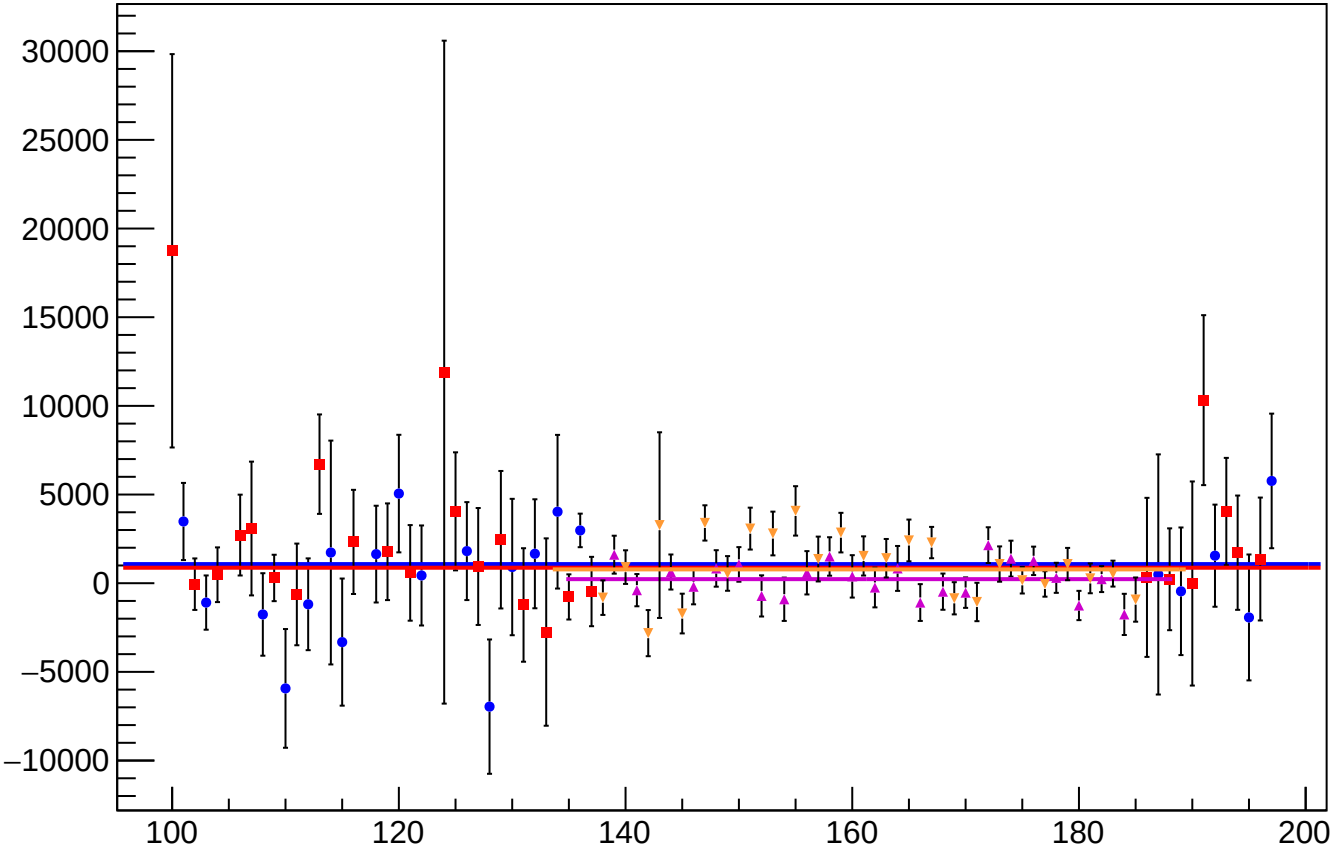
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1701.566+/-0.221 χ^2/NDF: 574528.4/45

All: 1704.343+/-0.157 χ^2/NDF: 1201183.0/94

- sign 1707.151+/-0.222 χ^2/NDF: 626336.2/48

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1077.825+/-540.028 χ^2/NDF: 24.5/20

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 872.638+/-488.948 χ^2/NDF: 18.9/25

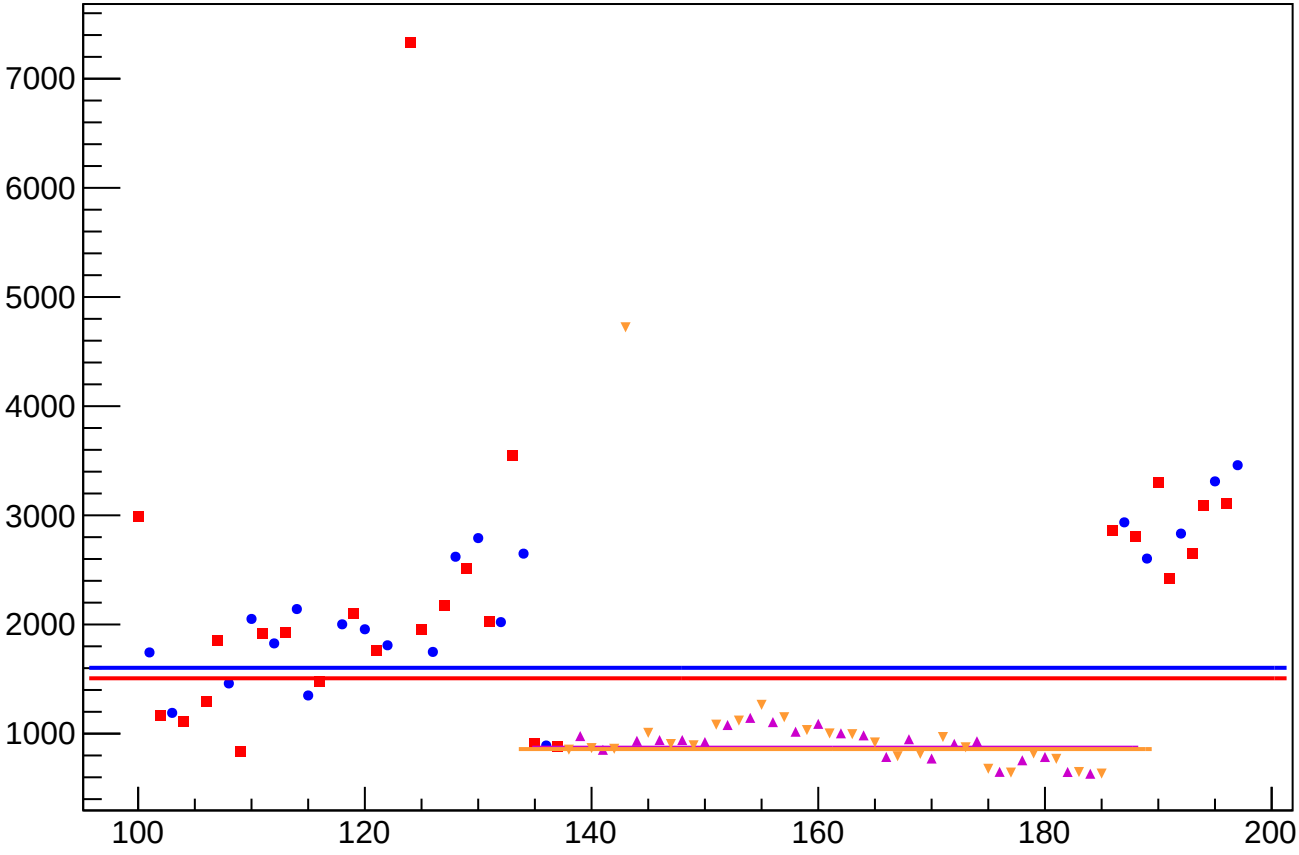
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

\+ sign 815.541+/-188.902 χ^2/NDF: 79.3/45

All: 572.931+/-134.097 χ^2/NDF: 125.6/94

\- sign 326.486+/-190.389 χ^2/NDF: 43.0/48

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1603.073+/-0.382 χ^2/NDF: 3477812.3/20

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1506.997+/-0.346 χ^2/NDF: 4534828.3/25

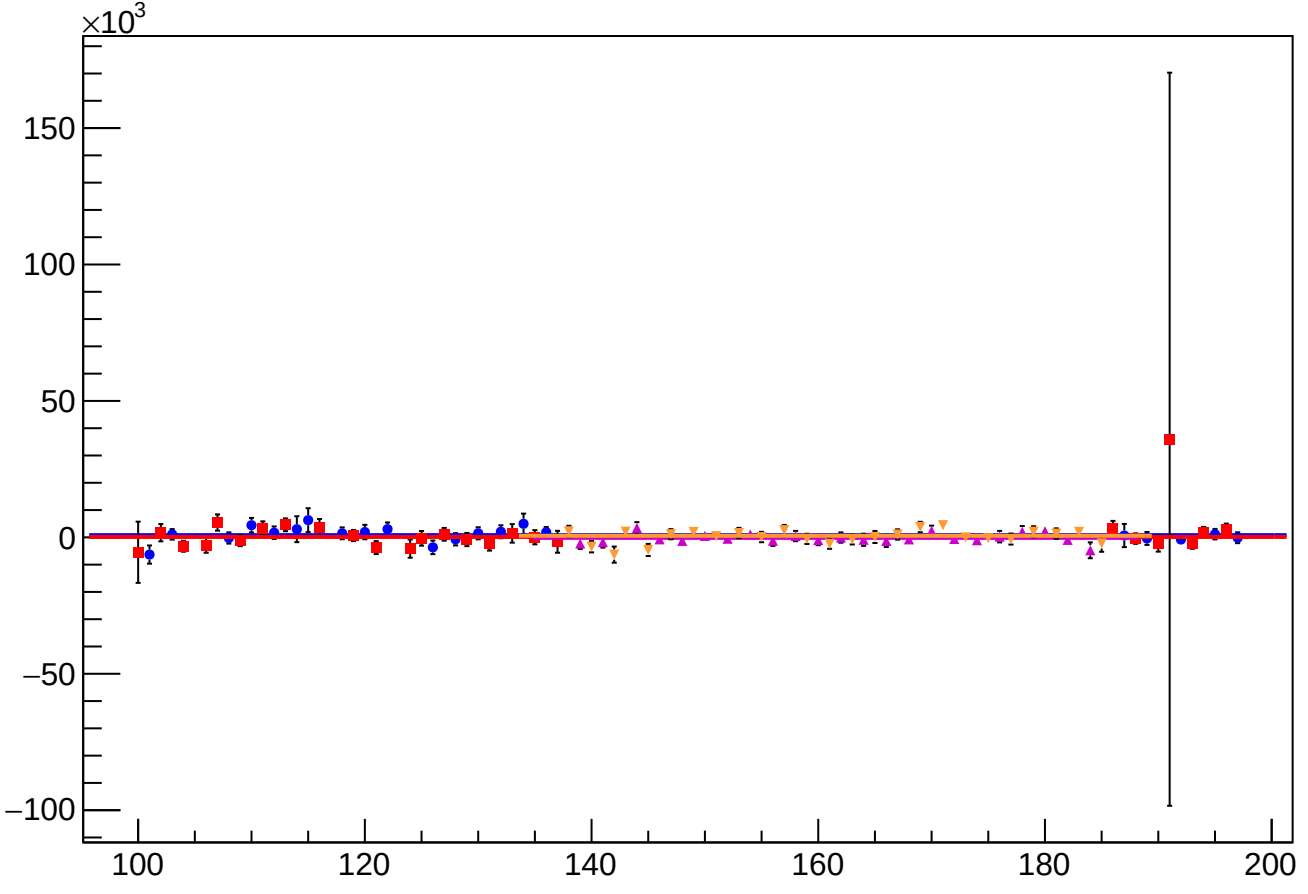
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 949.688+/-0.134 χ^2/NDF: 9093542.2/45

All: 958.711+/-0.095 χ^2/NDF: 17482984.2/94

- sign 967.877+/-0.135 χ^2/NDF: 8380242.8/48

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 809.365+/-521.288 χ^2/NDF: 16.6/20

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 144.297+/-498.374 χ^2/NDF: 27.0/25

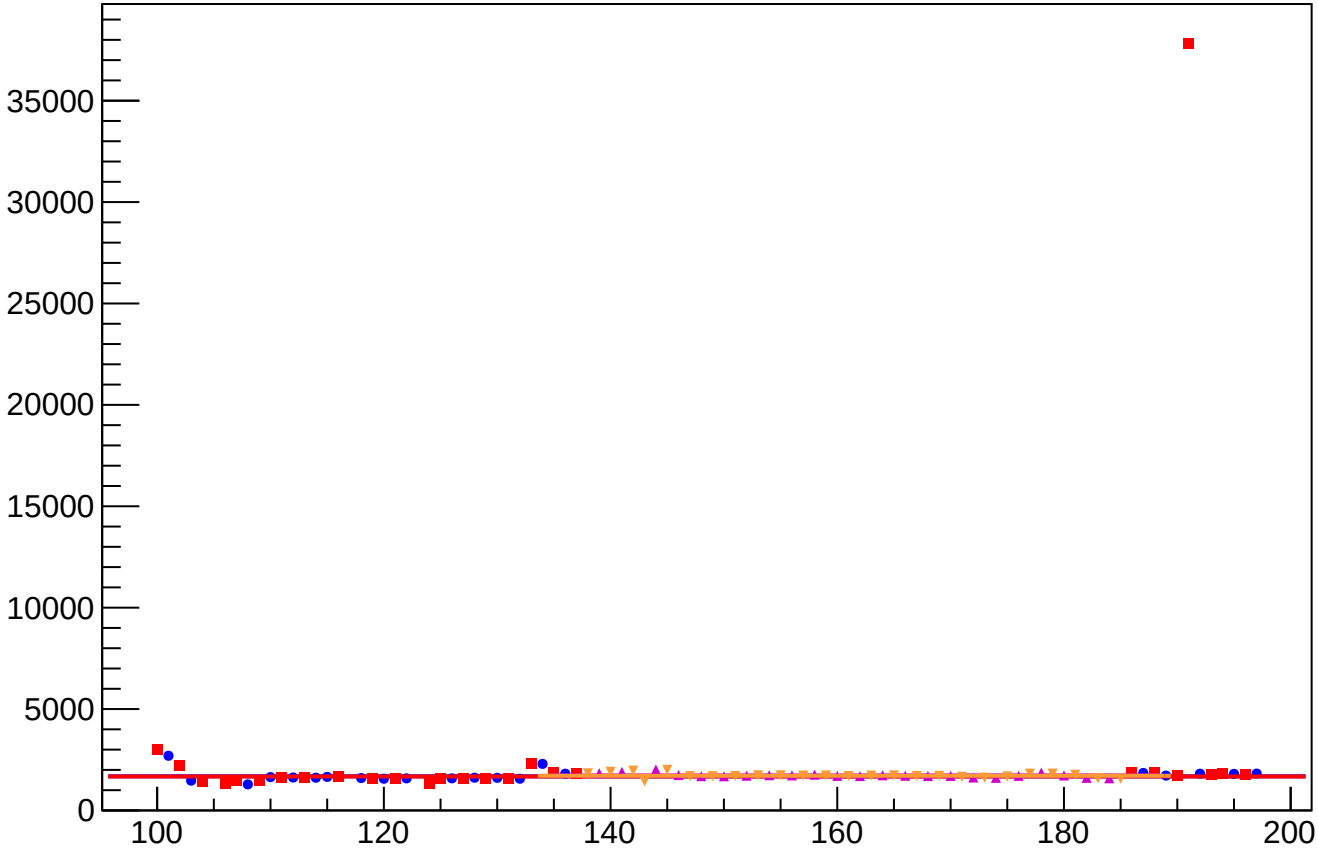
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 662.437+/-312.159 χ^2/NDF: 48.6/45

All: 305.747+/-221.336 χ^2/NDF: 93.0/94

- sign -54.886+/-313.880 χ^2/NDF: 41.7/48

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1683.418+/-0.369 χ^2/NDF: 402742.6/20

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1675.573+/-0.352 χ^2/NDF: 512800.6/25

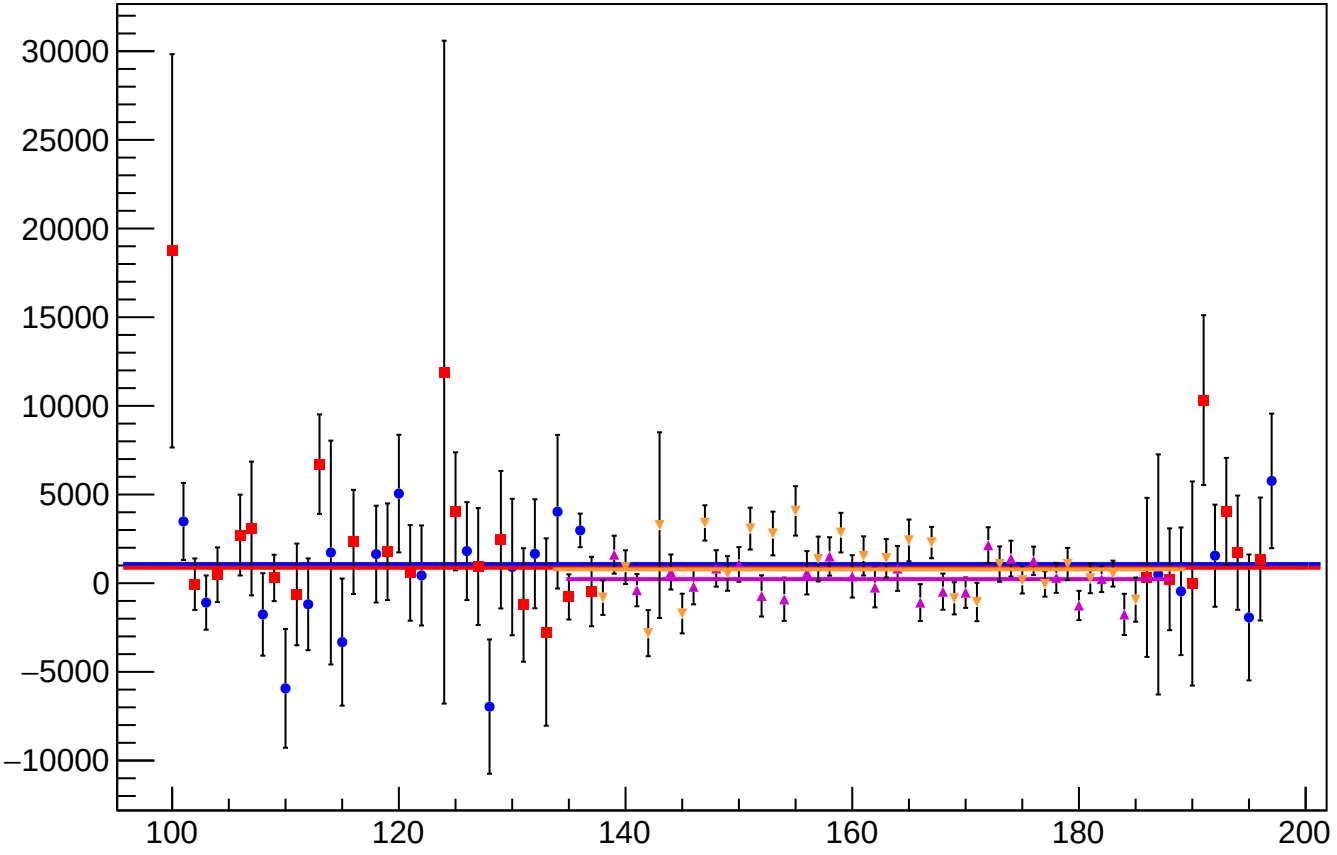
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1701.566+/-0.221 χ^2/NDF: 574526.9/45

All: 1704.343+/-0.157 χ^2/NDF: 1201181.6/94

- sign 1707.151+/-0.222 χ^2/NDF: 626336.3/48

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1077.817+/-540.031 χ^2/NDF: 24.5/20

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 872.653+/-488.951 χ^2/NDF: 18.9/25

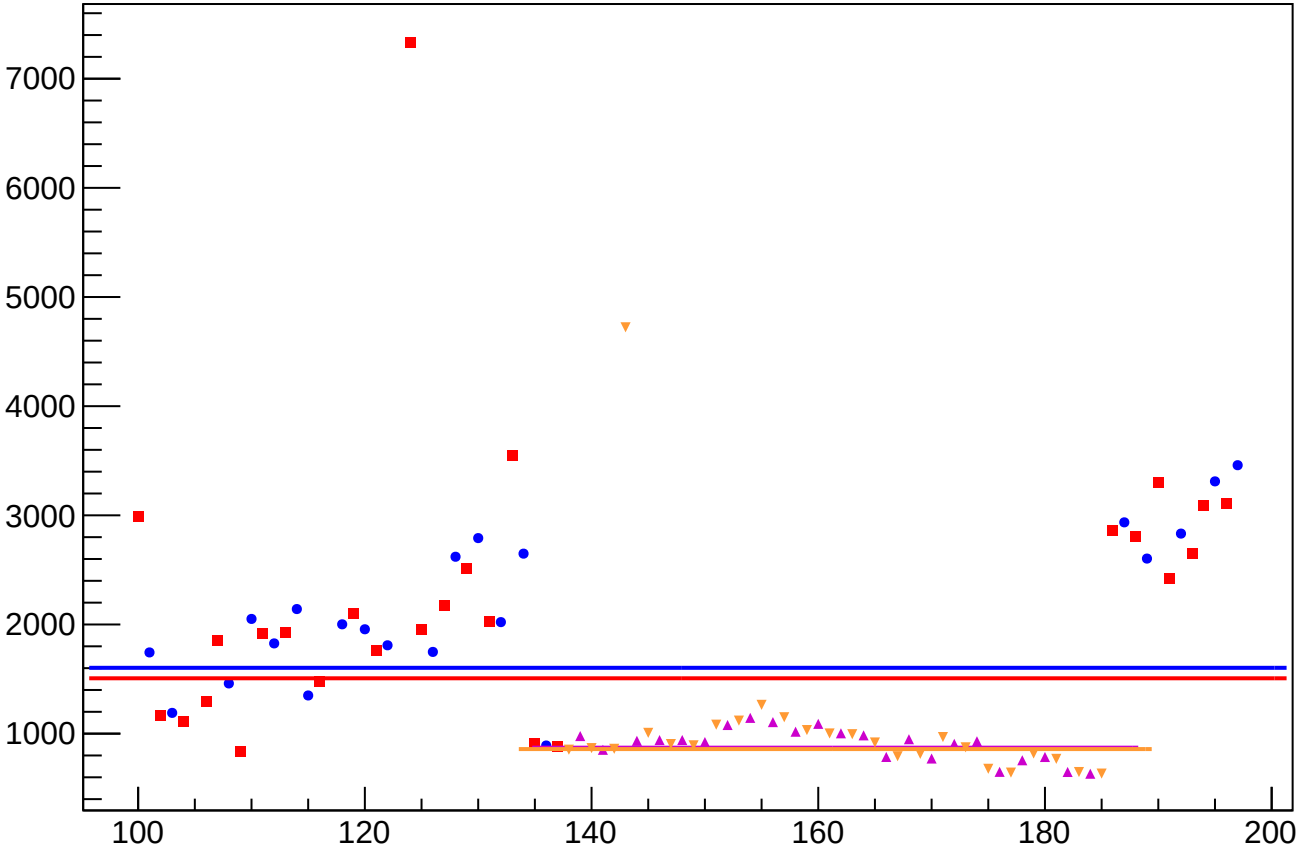
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 815.543+/-188.902 χ^2/NDF: 79.3/45

All: 572.931+/-134.097 χ^2/NDF: 125.6/94

- sign 326.485+/-190.389 χ^2/NDF: 43.0/48

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1603.089+/-0.382 χ^2/NDF: 3477679.4/20

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1507.011+/-0.346 χ^2/NDF: 4534712.2/25

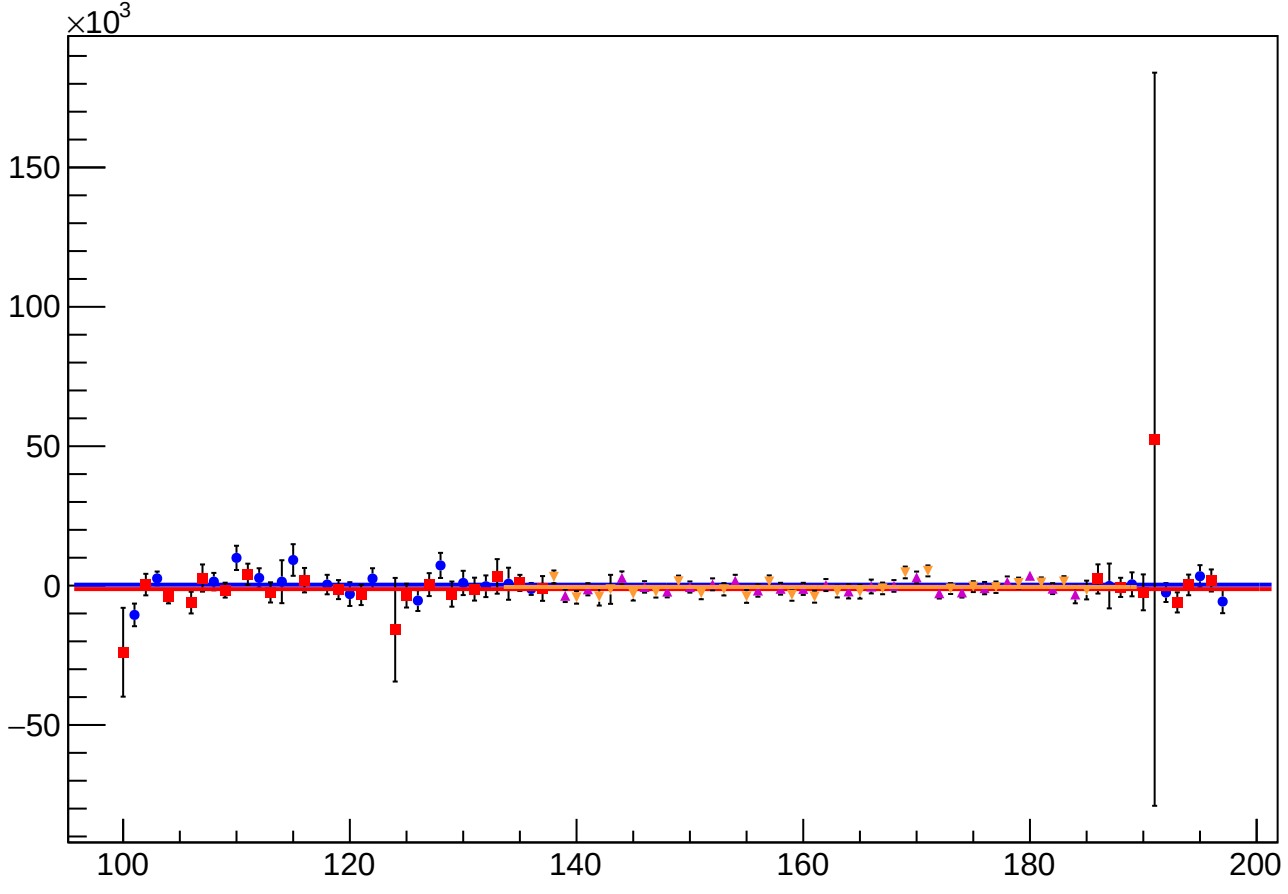
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 949.689+/-0.134 χ^2/NDF: 9093504.9/45

All: 958.712+/-0.095 χ^2/NDF: 17482940.1/94

- sign 967.877+/-0.135 χ^2/NDF: 8380237.1/48

asym_at2_dd_mean vs Slug



Right In: 327.106+/-820.293 χ^2/NDF: 25.5/20

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1260.588+/-785.824 χ^2/NDF: 14.1/25

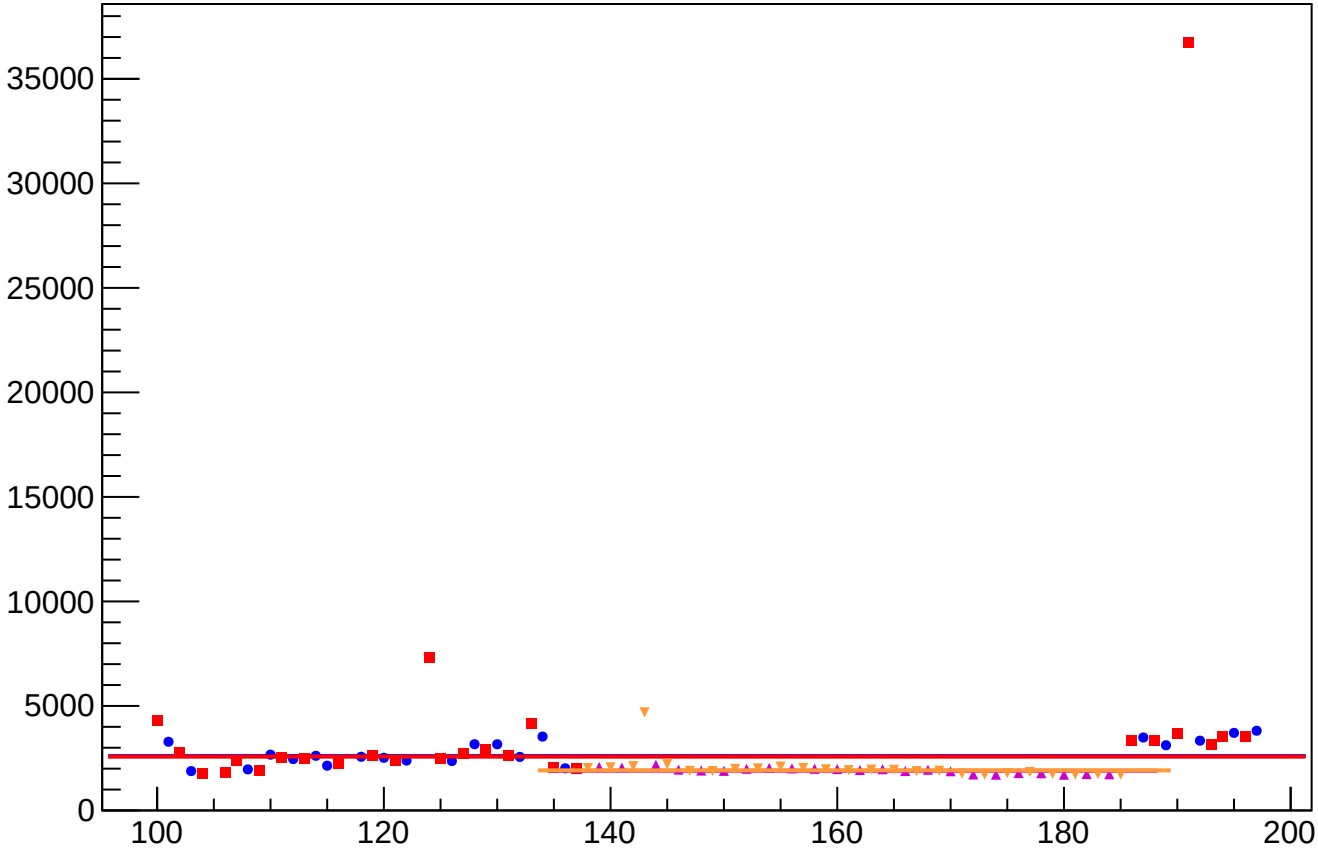
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -316.430+/-387.684 χ^2/NDF: 62.2/45

All: -467.122+/-273.871 χ^2/NDF: 96.3/94

- sign -617.237+/-386.942 χ^2/NDF: 33.8/48

asym_at2_dd_rms vs Slug



Right In: 2600.100+/-0.580 χ^2/NDF: 1083023.8/20

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

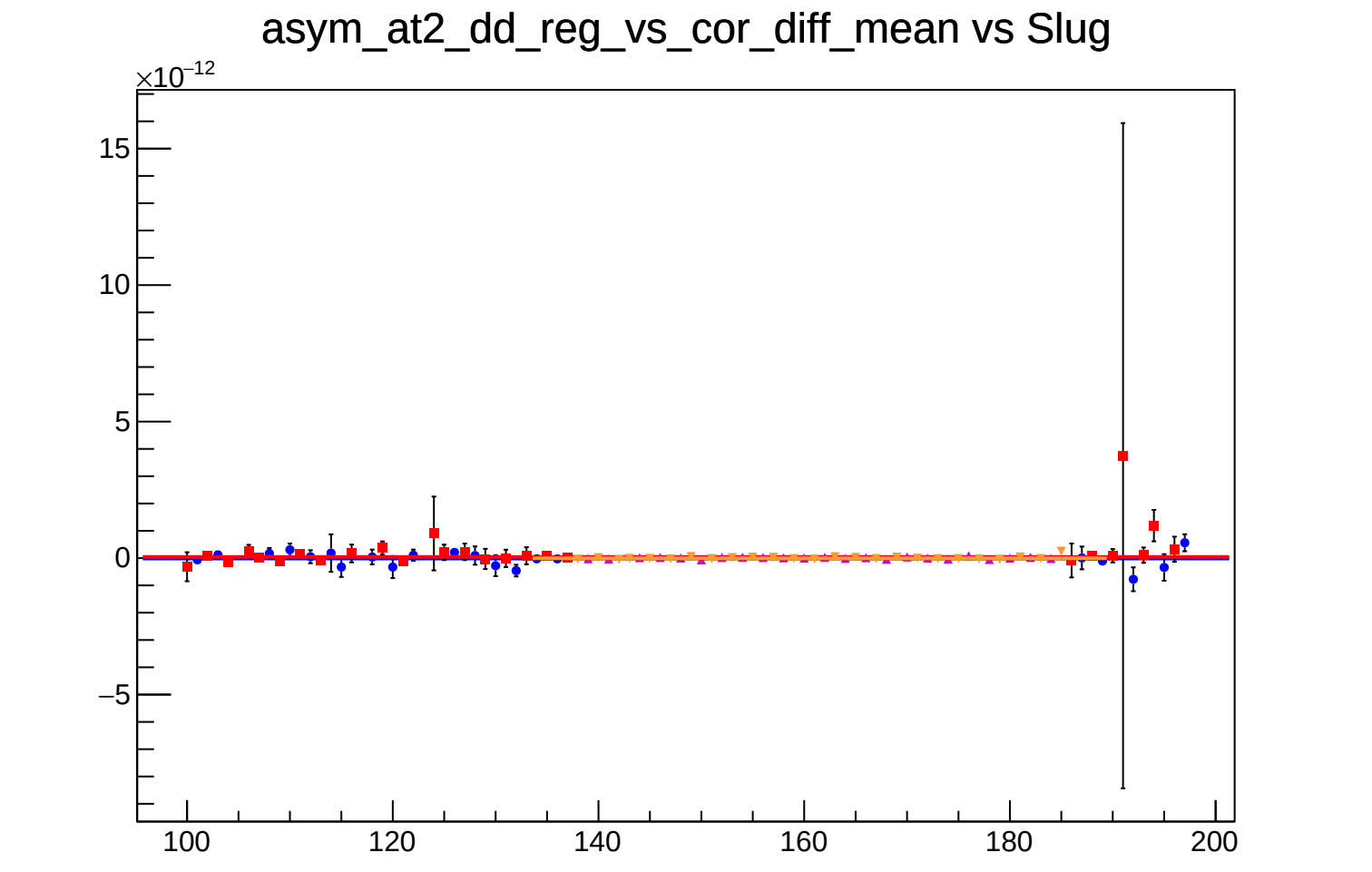
Right Out: 2575.596+/-0.556 χ^2/NDF: 1499864.3/25

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2069.704+/-0.274 χ^2/NDF: 2916066.2/45

All: 2066.464+/-0.194 χ^2/NDF: 5711949.0/94

- sign 2063.235+/-0.274 χ^2/NDF: 2795603.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

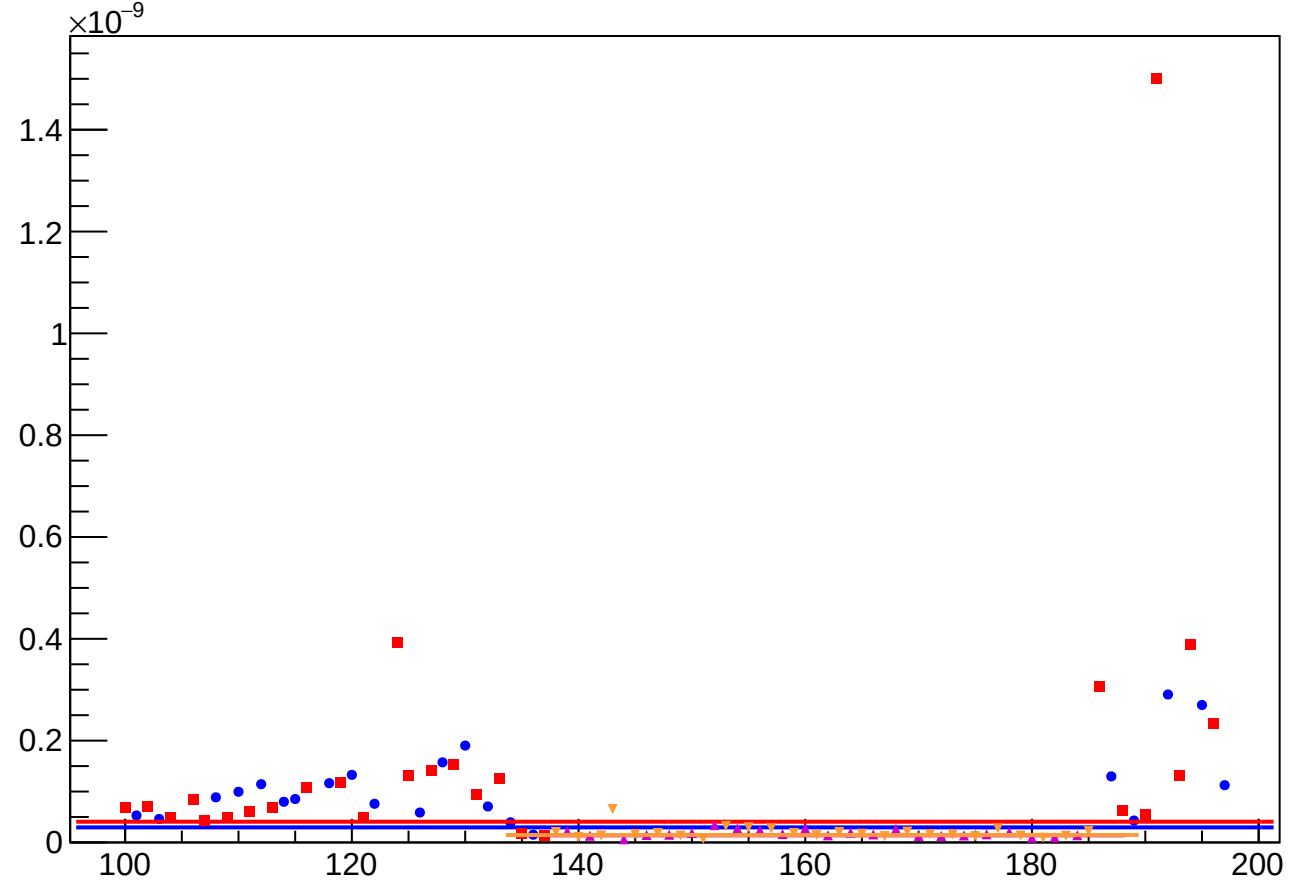
Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/25

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.8/45

All: 0.000+/-0.000 χ^2/NDF: 101.0/94

- sign 0.000+/-0.000 χ^2/NDF: 46.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 4225552.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4243373.8/25

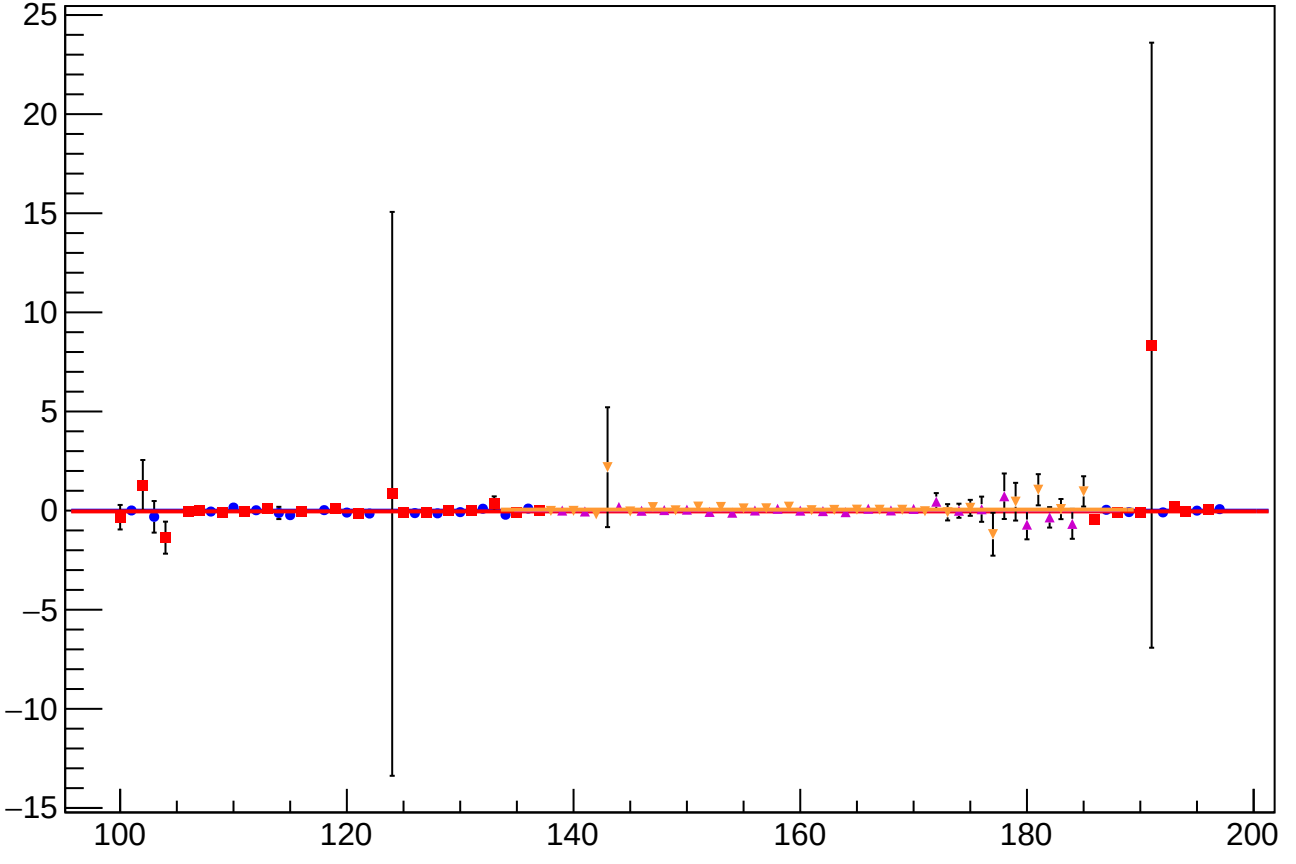
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6984425.6/45

All: 0.000+/-0.000 χ^2/NDF: 15068158.3/94

- sign 0.000+/-0.000 χ^2/NDF: 8077920.2/48

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/20

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/25

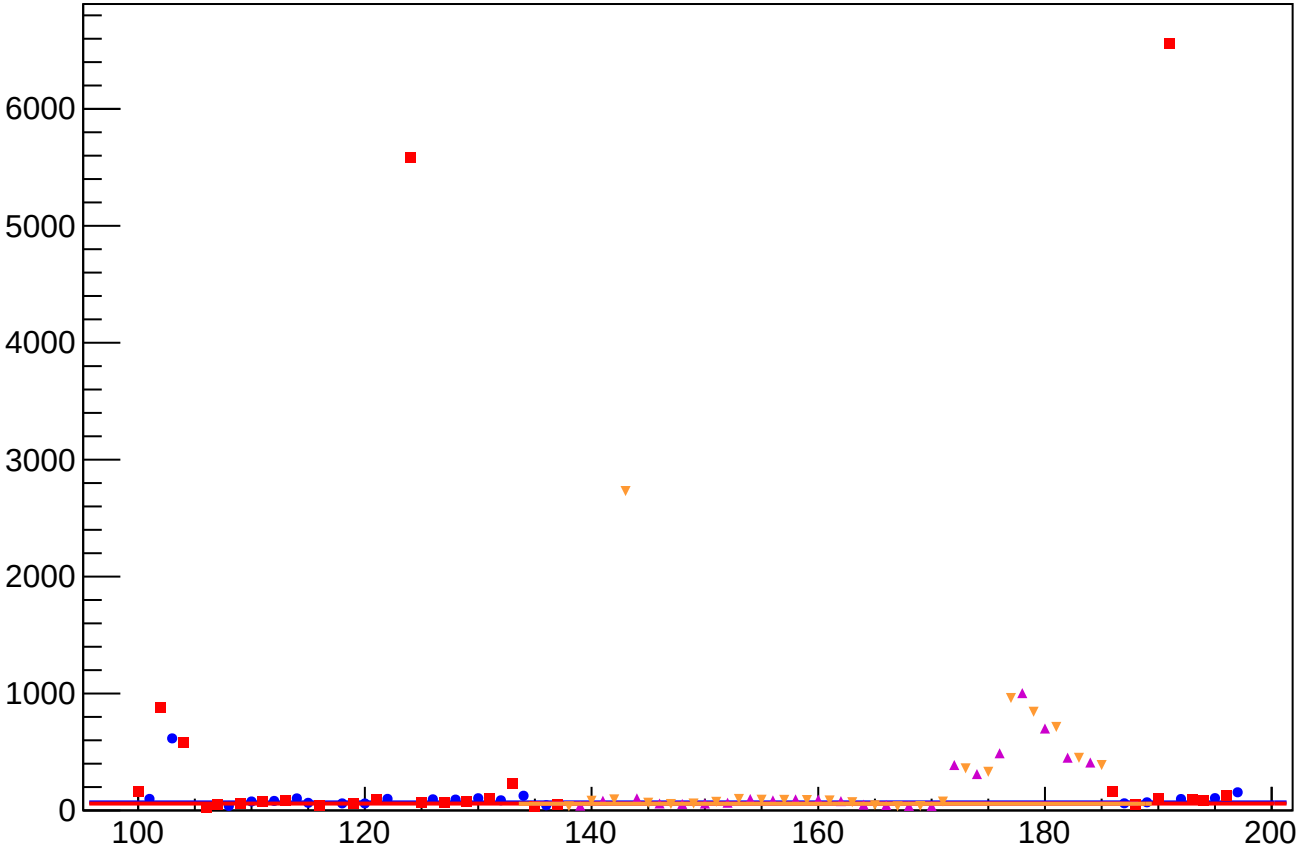
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.5/45

All: 0.013+/-0.010 χ^2/NDF: 88.8/94

- sign -0.004+/-0.013 χ^2/NDF: 42.7/48

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 69.017+/-0.017 χ^2/NDF: 3331151.4/20

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 58.873+/-0.015 χ^2/NDF: 5654305.2/25

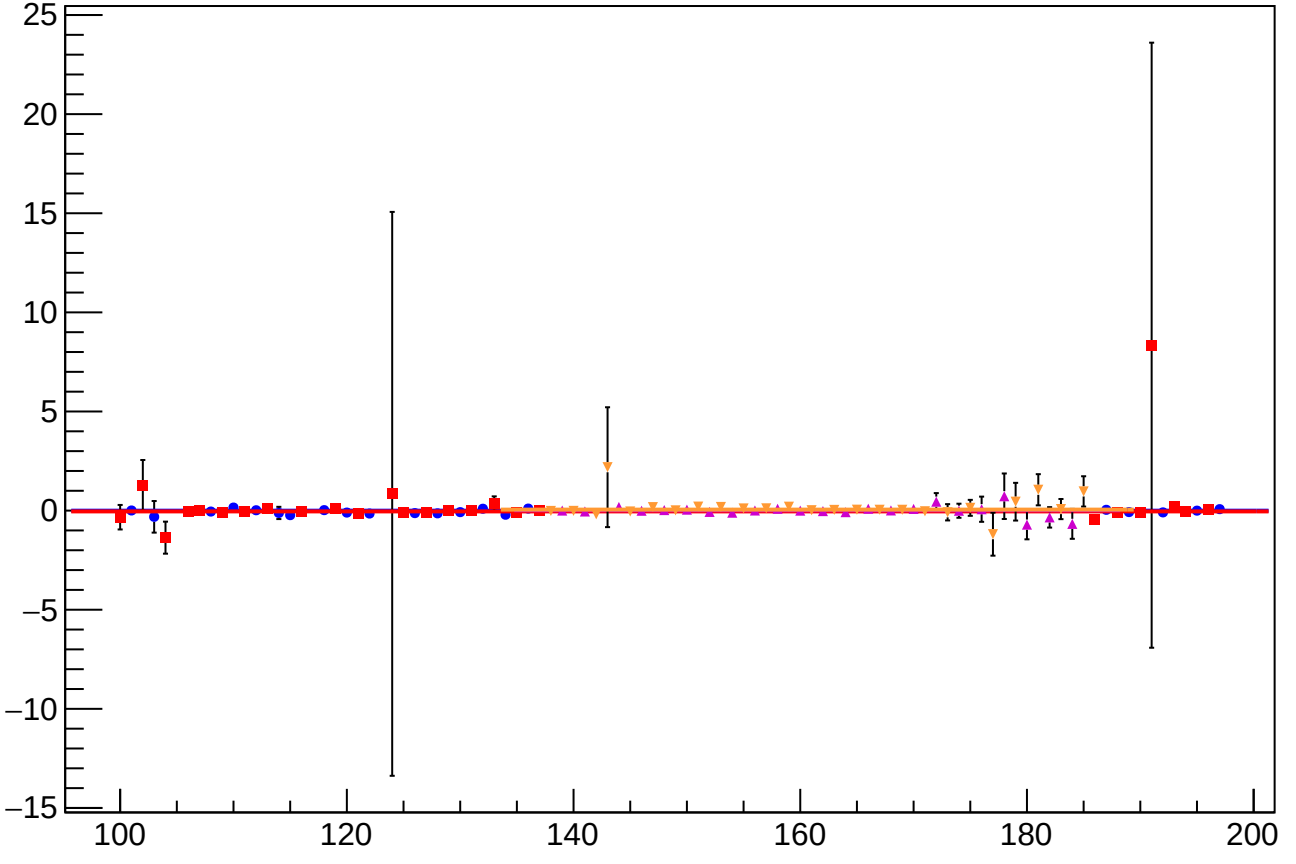
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.122+/-0.010 χ^2/NDF: 15966446.3/45

All: 59.852+/-0.007 χ^2/NDF: 31900294.7/94

- sign 58.696+/-0.009 χ^2/NDF: 15902196.8/48

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/20

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/25

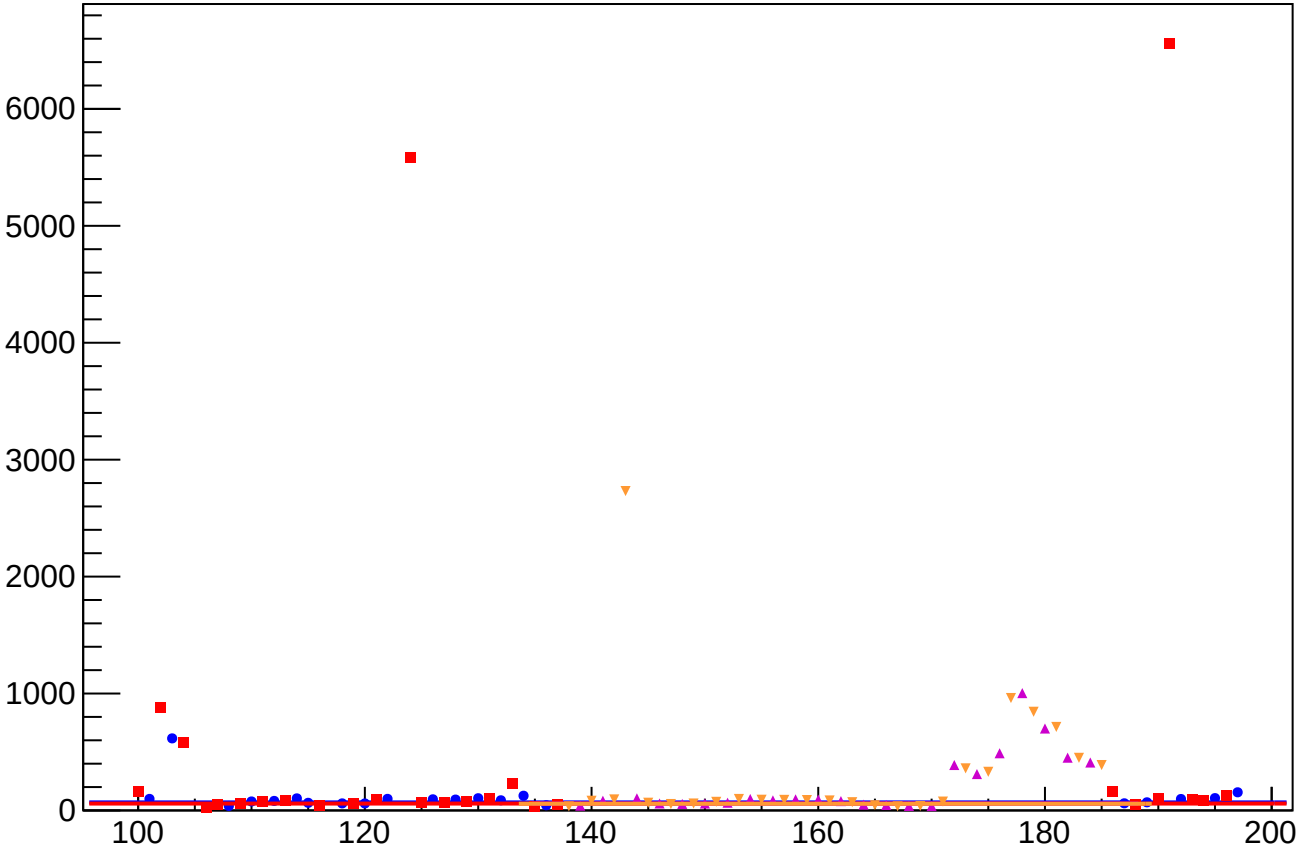
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.5/45

All: 0.013+/-0.010 χ^2/NDF: 88.8/94

- sign -0.004+/-0.013 χ^2/NDF: 42.7/48

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.017+/-0.017 χ^2/NDF: 3331151.4/20

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

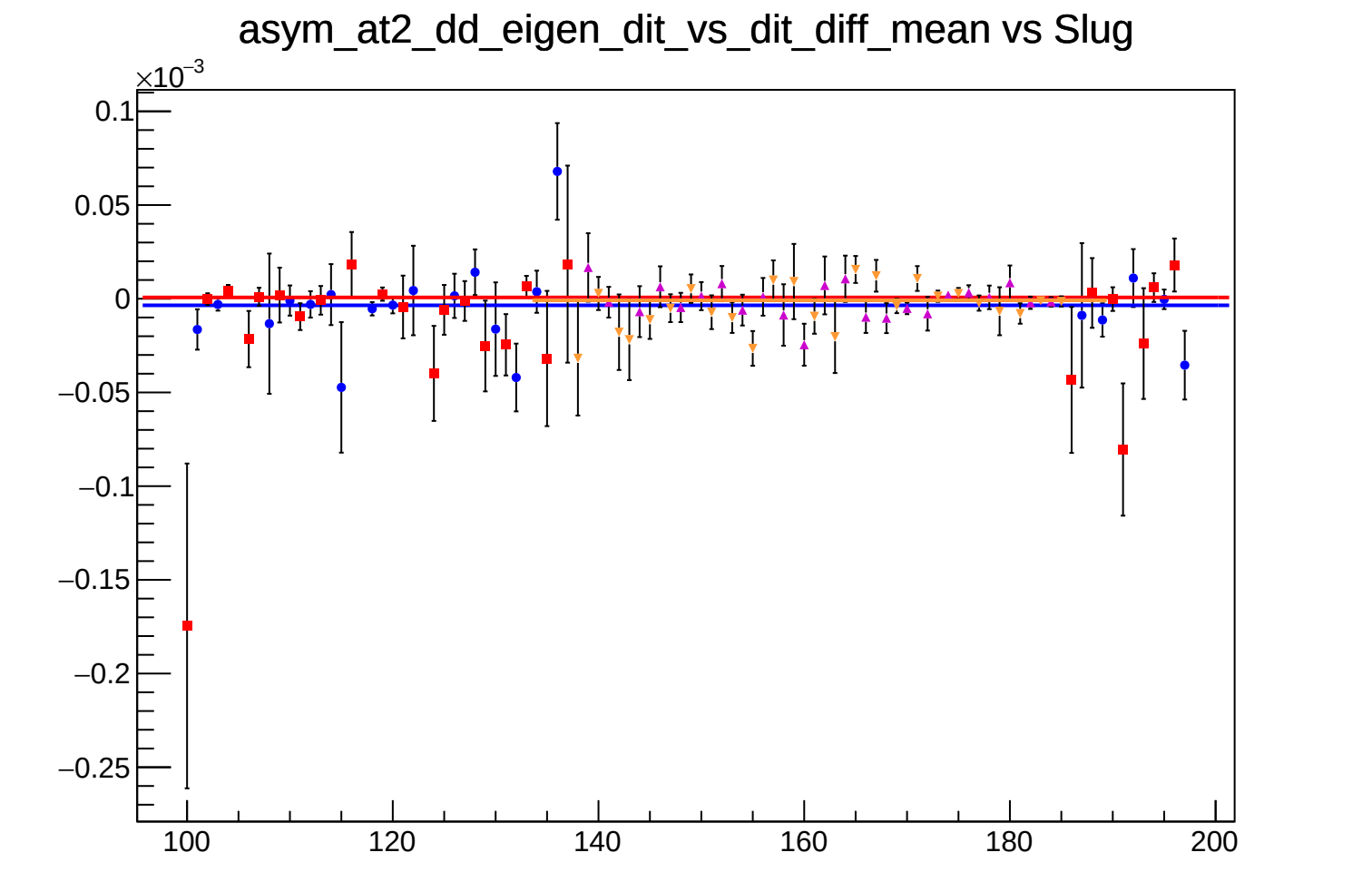
Right Out: 58.873+/-0.015 χ^2/NDF: 5654305.2/25

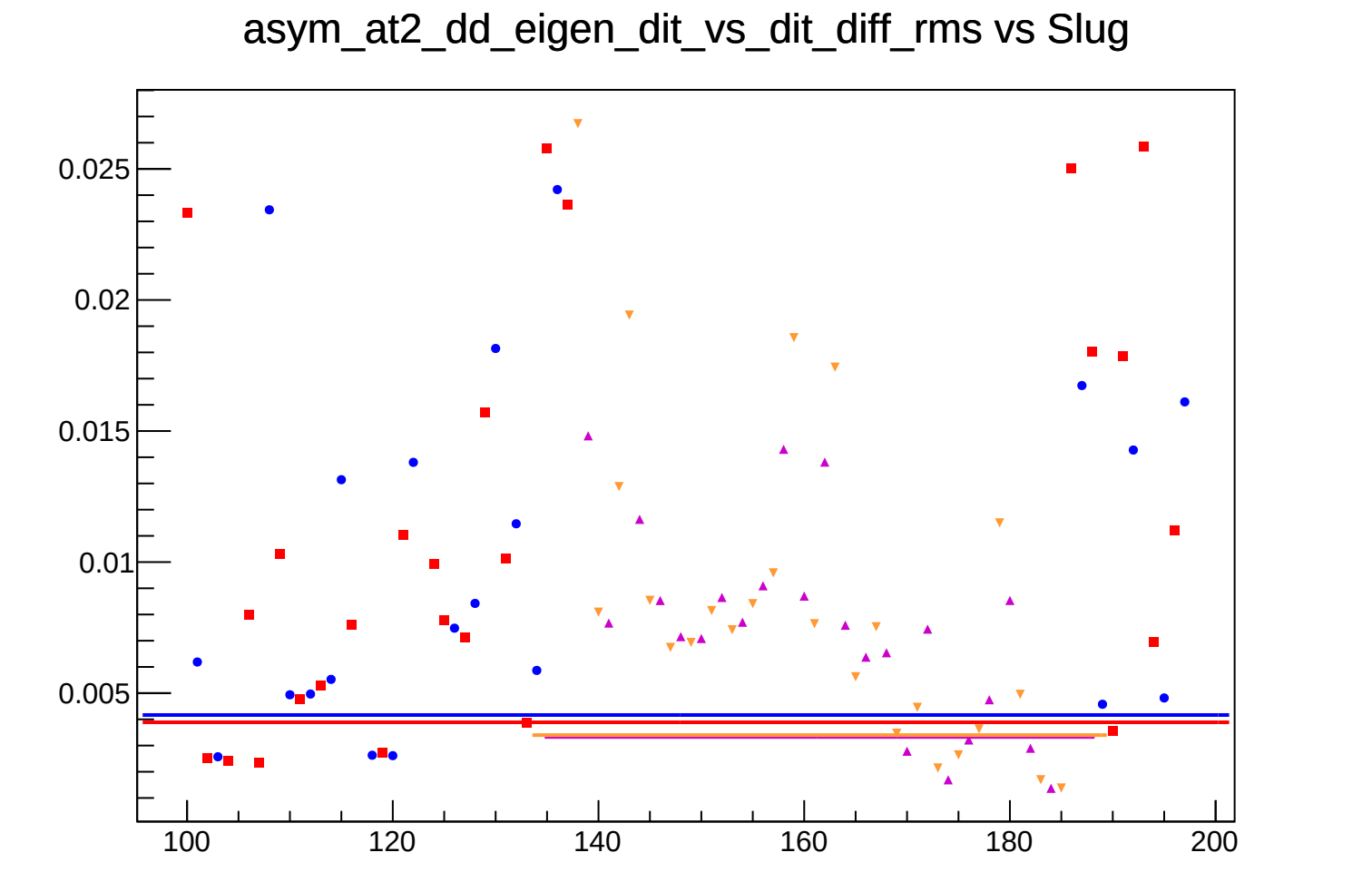
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.122+/-0.010 χ^2/NDF: 15966446.3/45

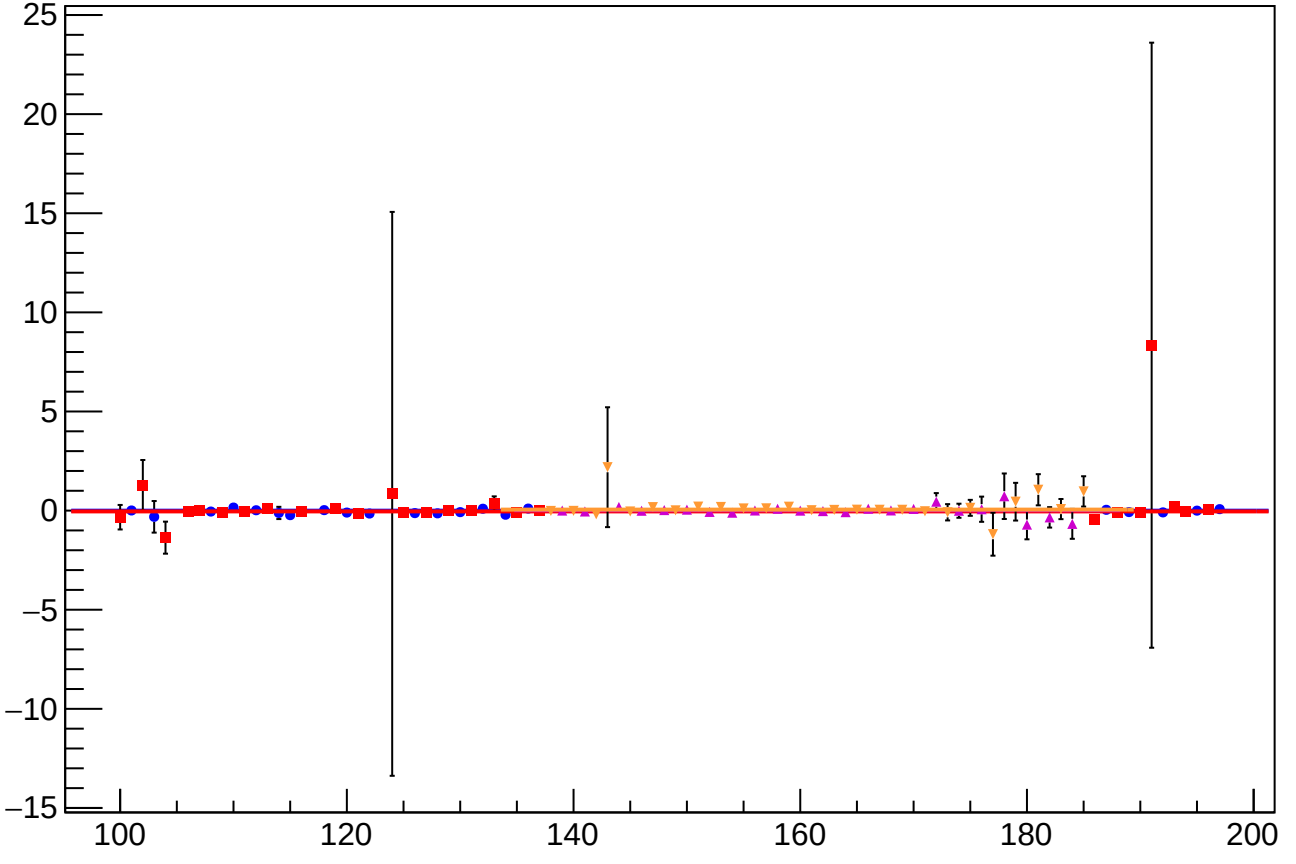
All: 59.852+/-0.007 χ^2/NDF: 31900294.7/94

- sign 58.696+/-0.009 χ^2/NDF: 15902196.8/48


asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.0/20
Left Out: -0.000+/-0.000 χ²/NDF:32.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.4/25
Left In: -0.000+/-0.000 χ²/NDF:18.8/22
+ sign -0.000+/-0.000 χ²/NDF: 58.7/45
All: -0.000+/-0.000 χ²/NDF: 107.7/94
- sign -0.000+/-0.000 χ²/NDF: 47.9/48


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.004+/-0.000 χ²/NDF: 6761471.6/20
Left Out: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.004+/-0.000 χ²/NDF: 8665388.5/25
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
+ sign 0.004+/-0.000 χ²/NDF: 21316818.4/45
All: 0.004+/-0.000 χ²/NDF: 42753808.9/94
- sign 0.004+/-0.000 χ²/NDF: 21426249.4/48

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/20

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/25

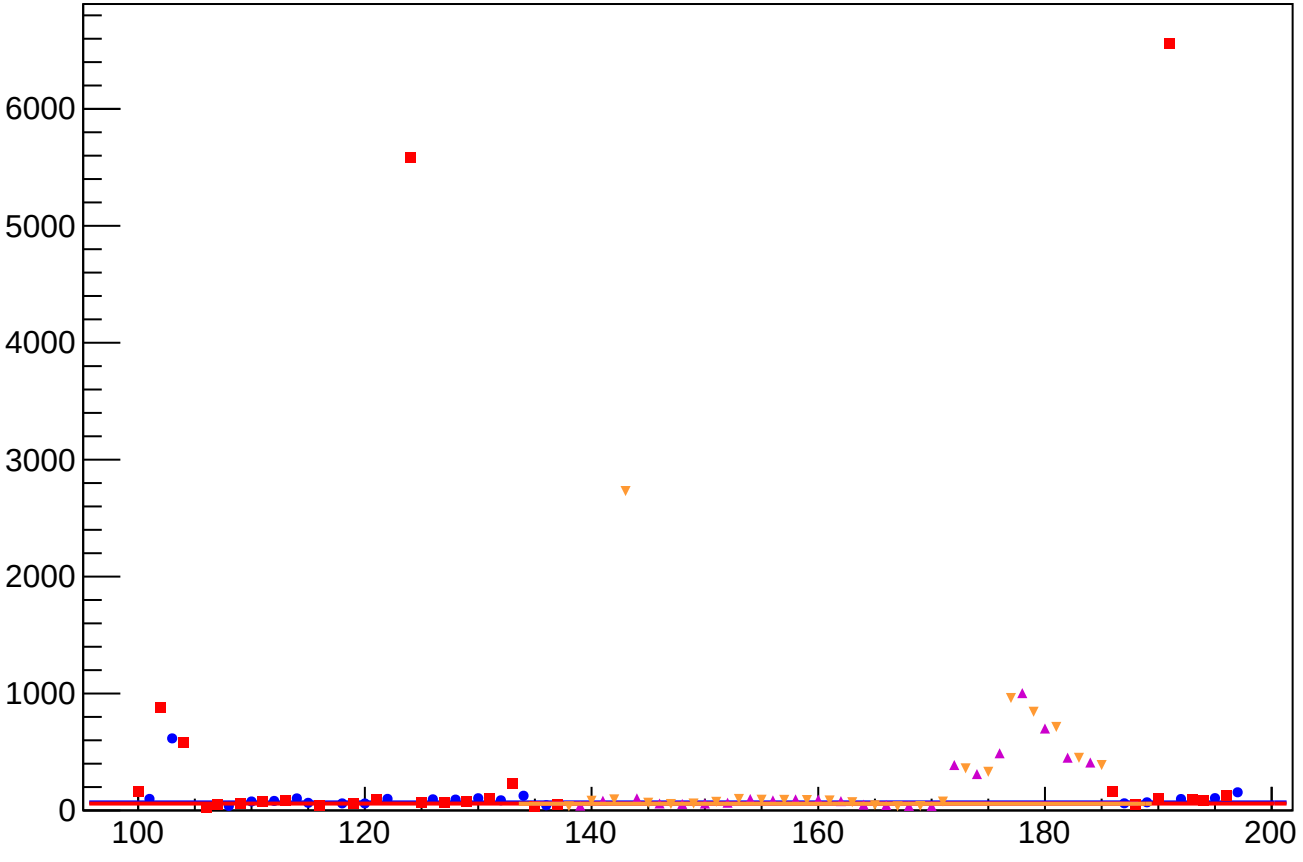
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.6/45

All: 0.013+/-0.010 χ^2/NDF: 88.8/94

- sign -0.004+/-0.013 χ^2/NDF: 42.7/48

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.024+/-0.017 χ^2/NDF: 3329899.8/20

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

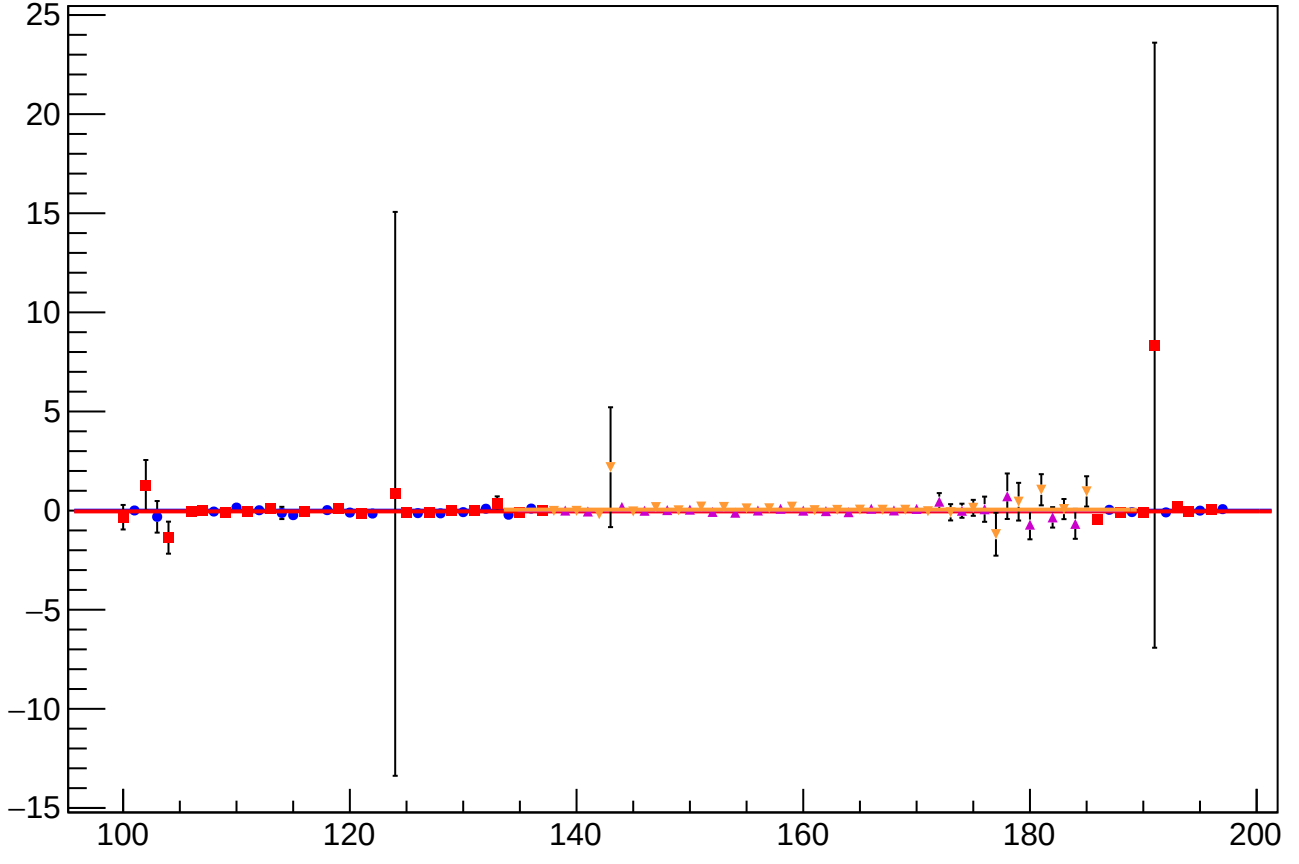
Right Out: 58.868+/-0.015 χ^2/NDF: 5655049.2/25

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.123+/-0.010 χ^2/NDF: 15965380.2/45

All: 59.852+/-0.007 χ^2/NDF: 31899502.6/94

- sign 58.695+/-0.009 χ^2/NDF: 15902423.1/48



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/20

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

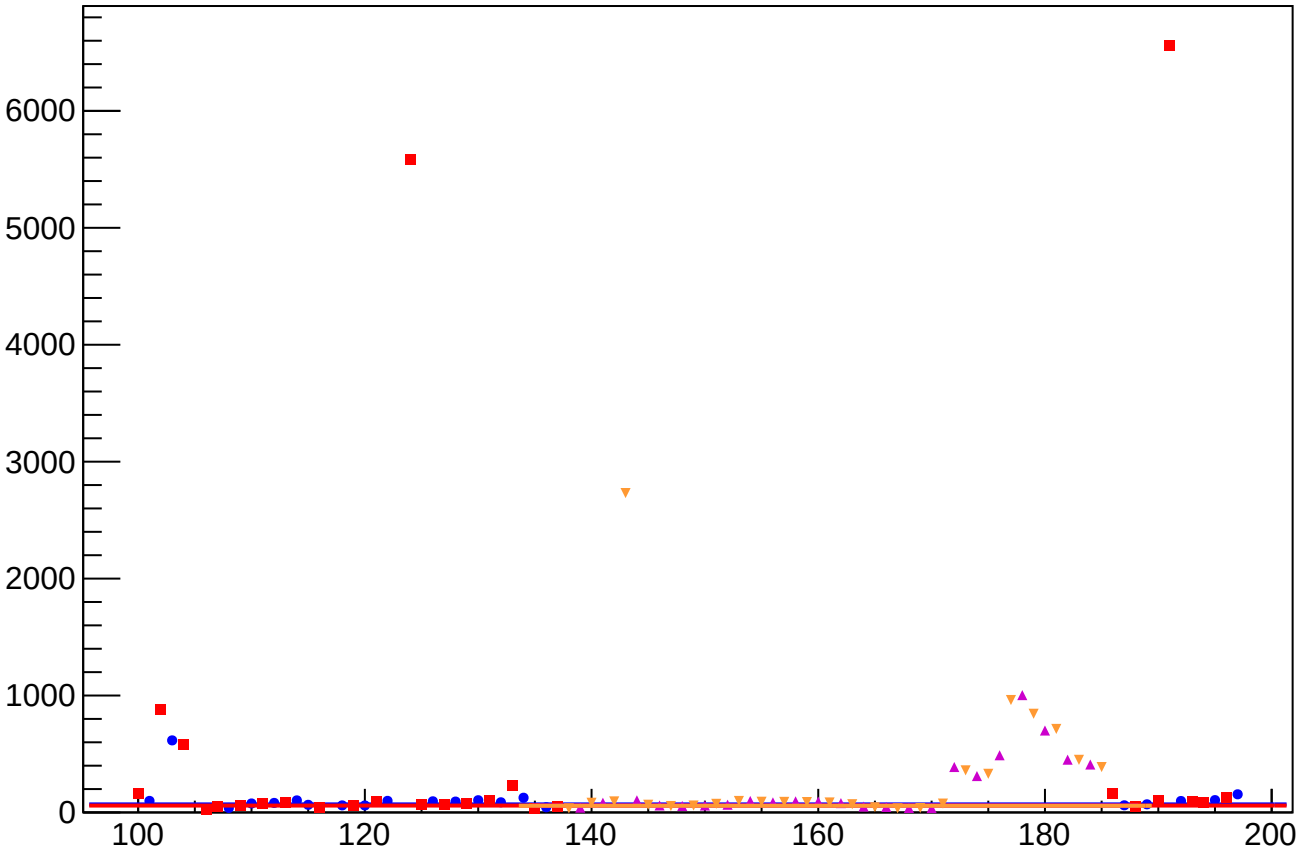
Right Out: -0.040+/-0.021 χ^2/NDF: 22.6/25

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.6/45

All: 0.013+/-0.010 χ^2/NDF: 88.8/94

- sign -0.004+/-0.013 χ^2/NDF: 42.7/48



Right In: 69.024+/-0.017 χ^2/NDF: 3329899.8/20

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 58.868+/-0.015 χ^2/NDF: 5655049.2/25

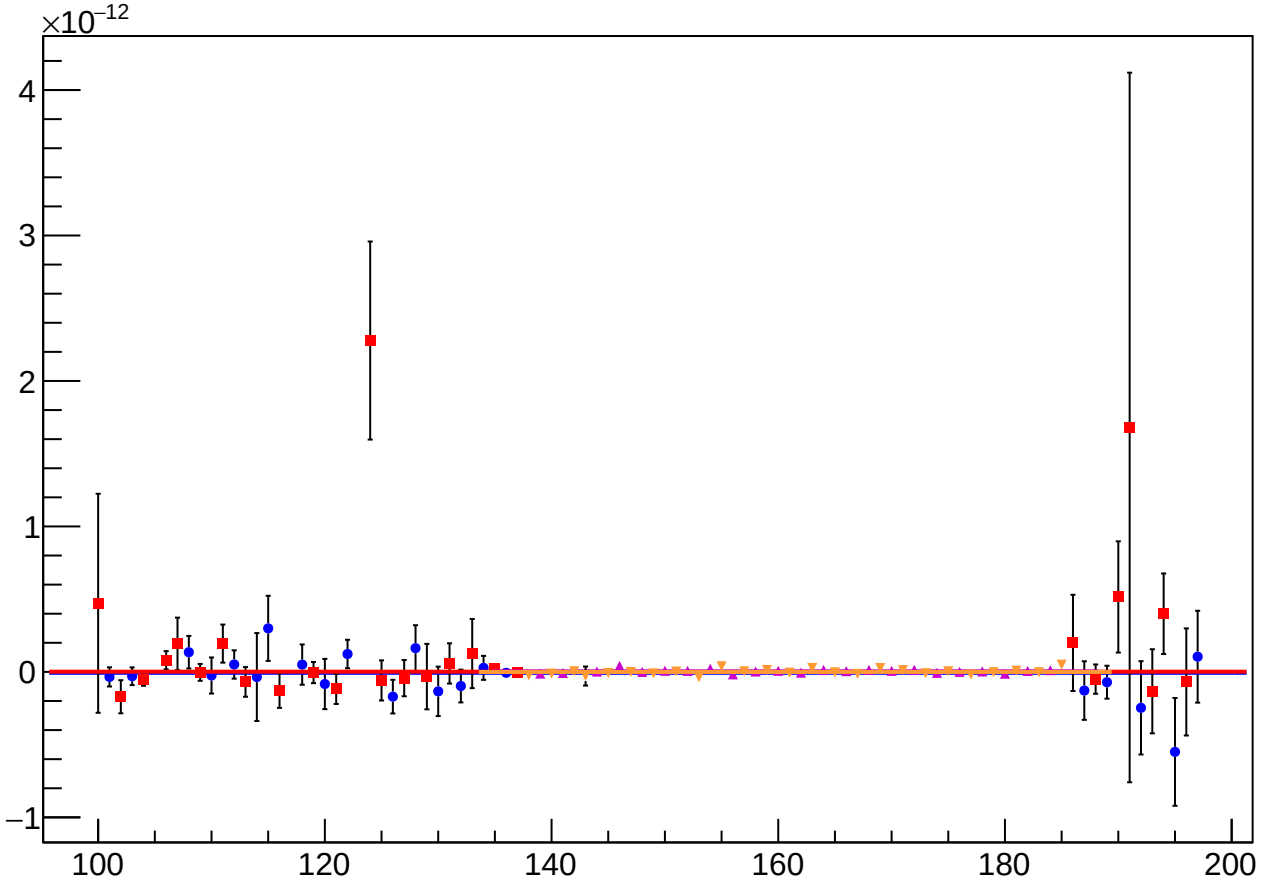
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.123+/-0.010 χ^2/NDF: 15965380.2/45

All: 59.852+/-0.007 χ^2/NDF: 31899502.6/94

- sign 58.695+/-0.009 χ^2/NDF: 15902423.1/48

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

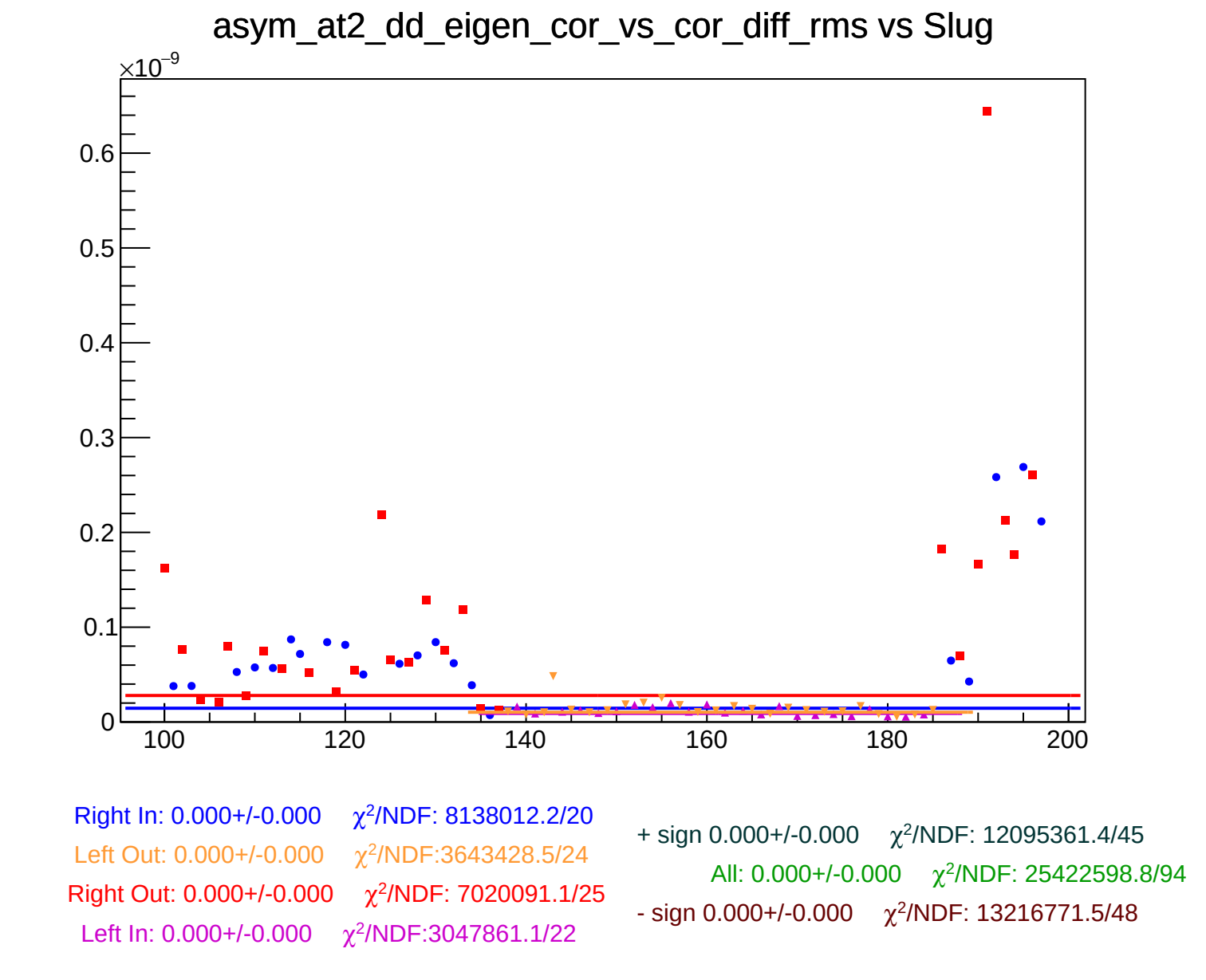
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/25

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

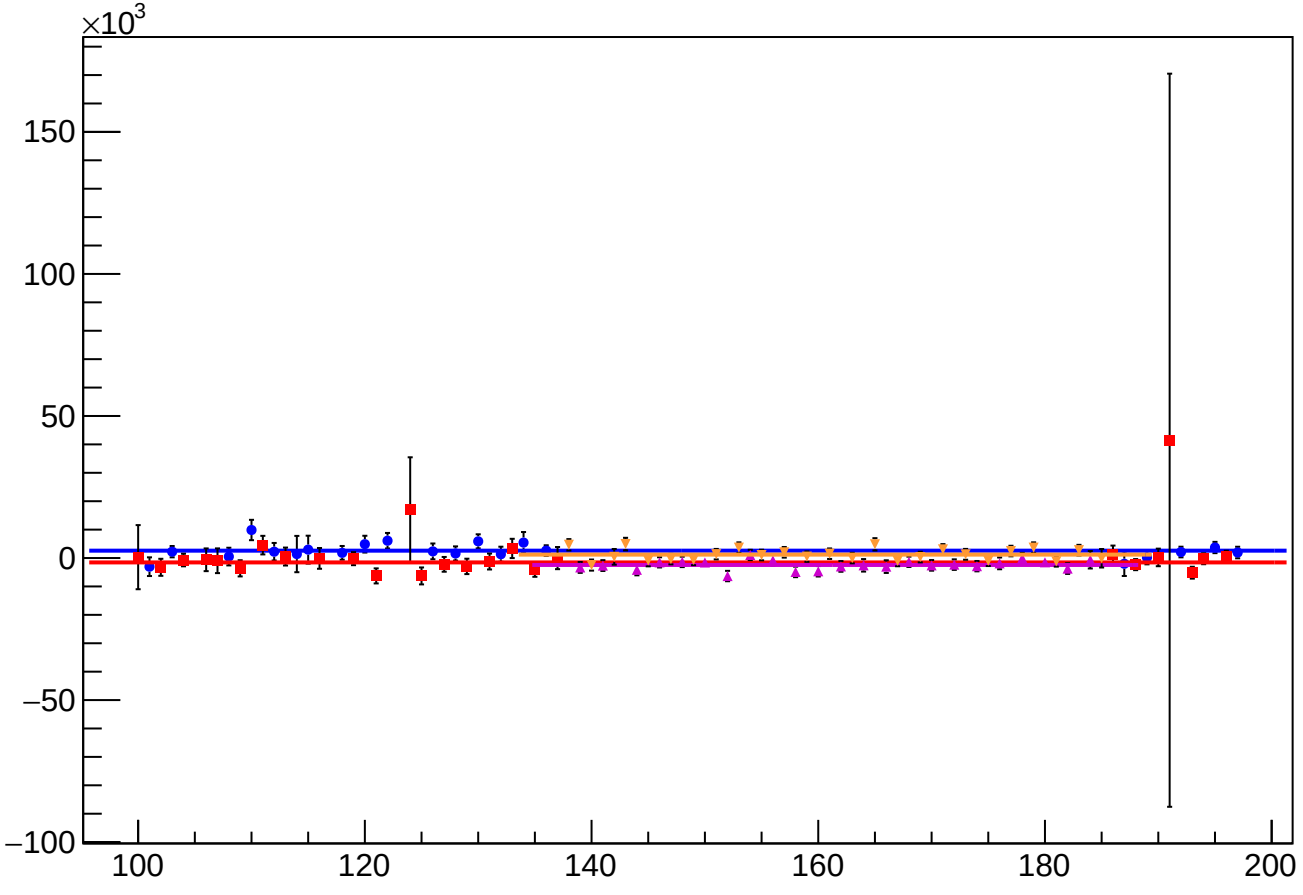
+ sign -0.000+/-0.000 χ^2/NDF: 33.5/45

All: 0.000+/-0.000 χ^2/NDF: 80.2/94

- sign 0.000+/-0.000 χ^2/NDF: 45.7/48


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8138012.2/20
Left Out: 0.000+/-0.000 χ²/NDF:3643428.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 7020091.1/25
Left In: 0.000+/-0.000 χ²/NDF:3047861.1/22
+ sign 0.000+/-0.000 χ²/NDF: 12095361.4/45
All: 0.000+/-0.000 χ²/NDF: 25422598.8/94
- sign 0.000+/-0.000 χ²/NDF: 13216771.5/48

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2592.019+/-570.423 χ^2/NDF: 15.2/20

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1546.275+/-557.640 χ^2/NDF: 21.8/25

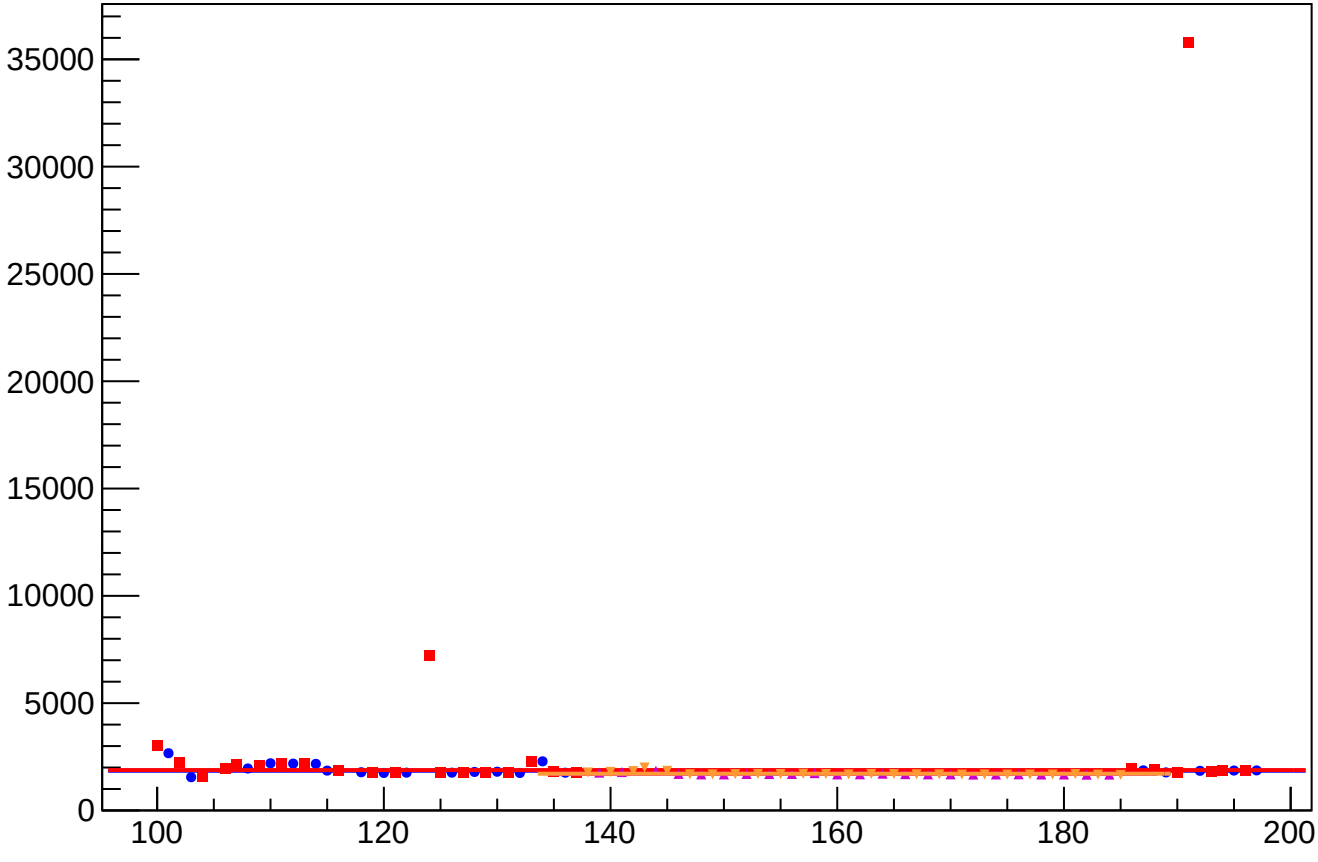
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1643.722+/-321.460 χ^2/NDF: 45.6/45

All: -232.512+/-228.177 χ^2/NDF: 155.3/94

- sign -2137.755+/-323.936 χ^2/NDF: 41.0/48

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1850.780+/-0.403 χ^2/NDF: 265632.8/20

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1880.792+/-0.394 χ^2/NDF: 516720.3/25

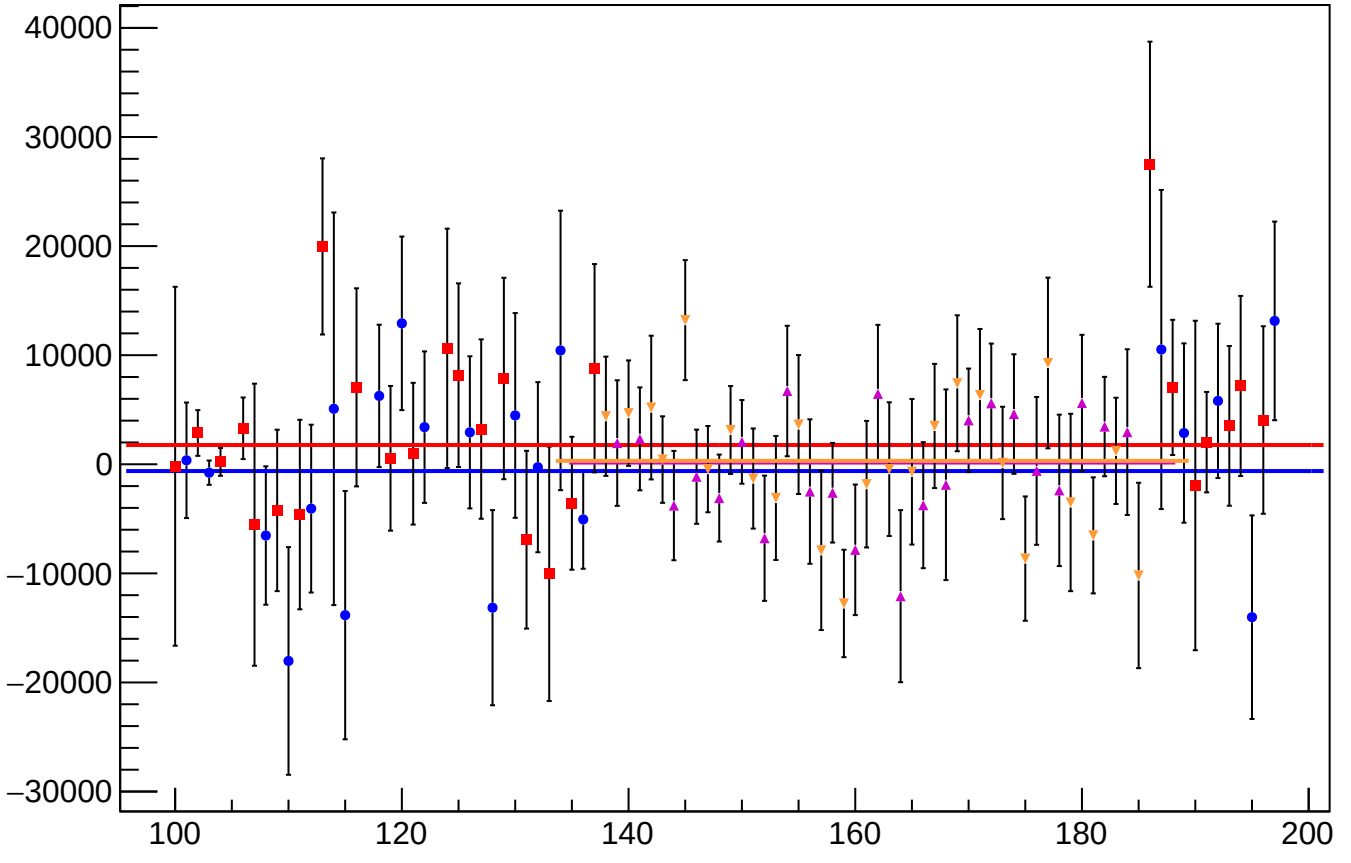
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1755.922+/-0.227 χ^2/NDF: 406747.6/45

All: 1759.809+/-0.161 χ^2/NDF: 1080115.7/94

- sign 1763.752+/-0.229 χ^2/NDF: 672779.0/48

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -621.334+/-935.969 χ^2/NDF: 19.9/20

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1764.749+/-868.941 χ^2/NDF: 20.8/25

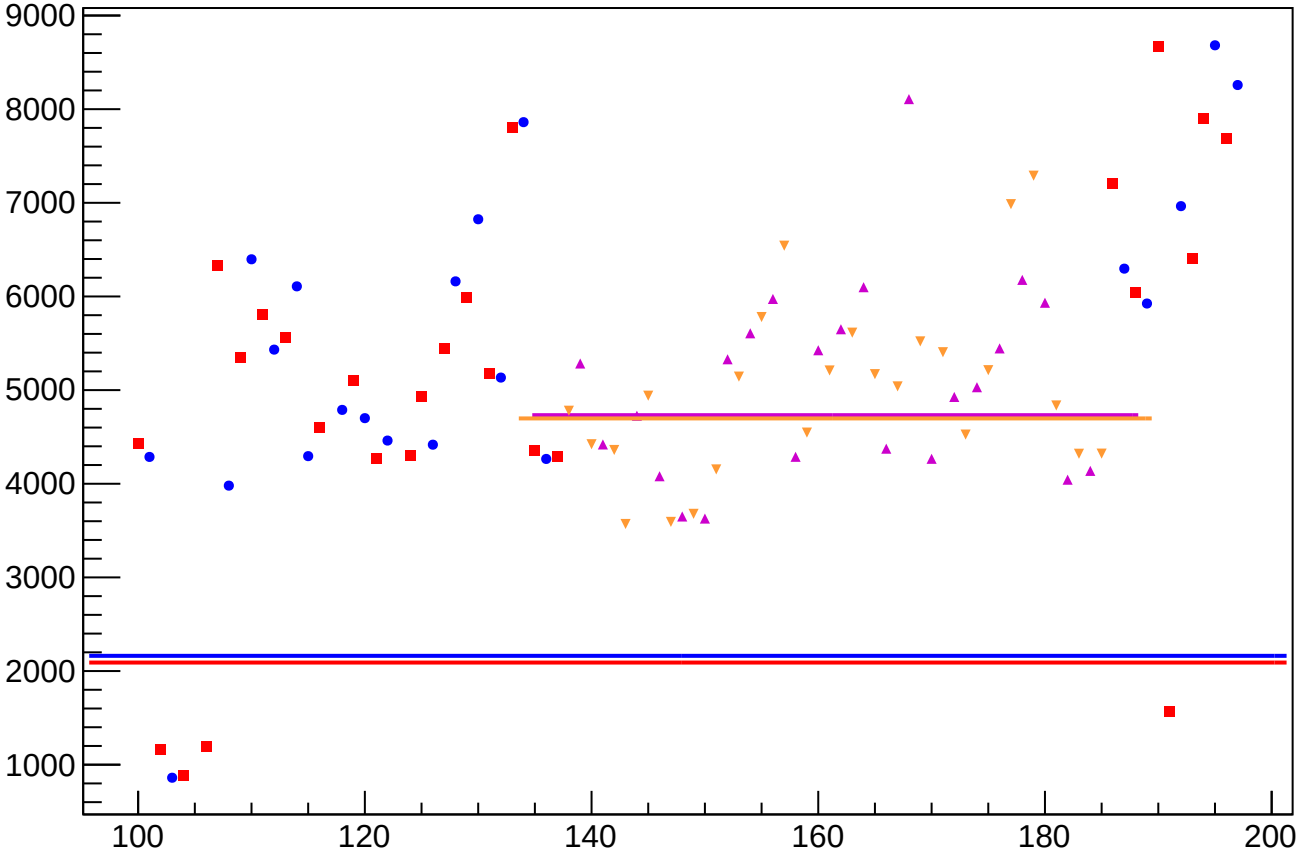
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

\+ sign -225.176+/-710.644 χ^2/NDF: 47.3/45

All: 492.783+/-494.477 χ^2/NDF: 86.1/94

\- sign 1166.648+/-688.476 χ^2/NDF: 36.8/48

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2162.514+/-0.662 χ^2/NDF: 10411597.7/20

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2090.738+/-0.614 χ^2/NDF: 10857604.2/25

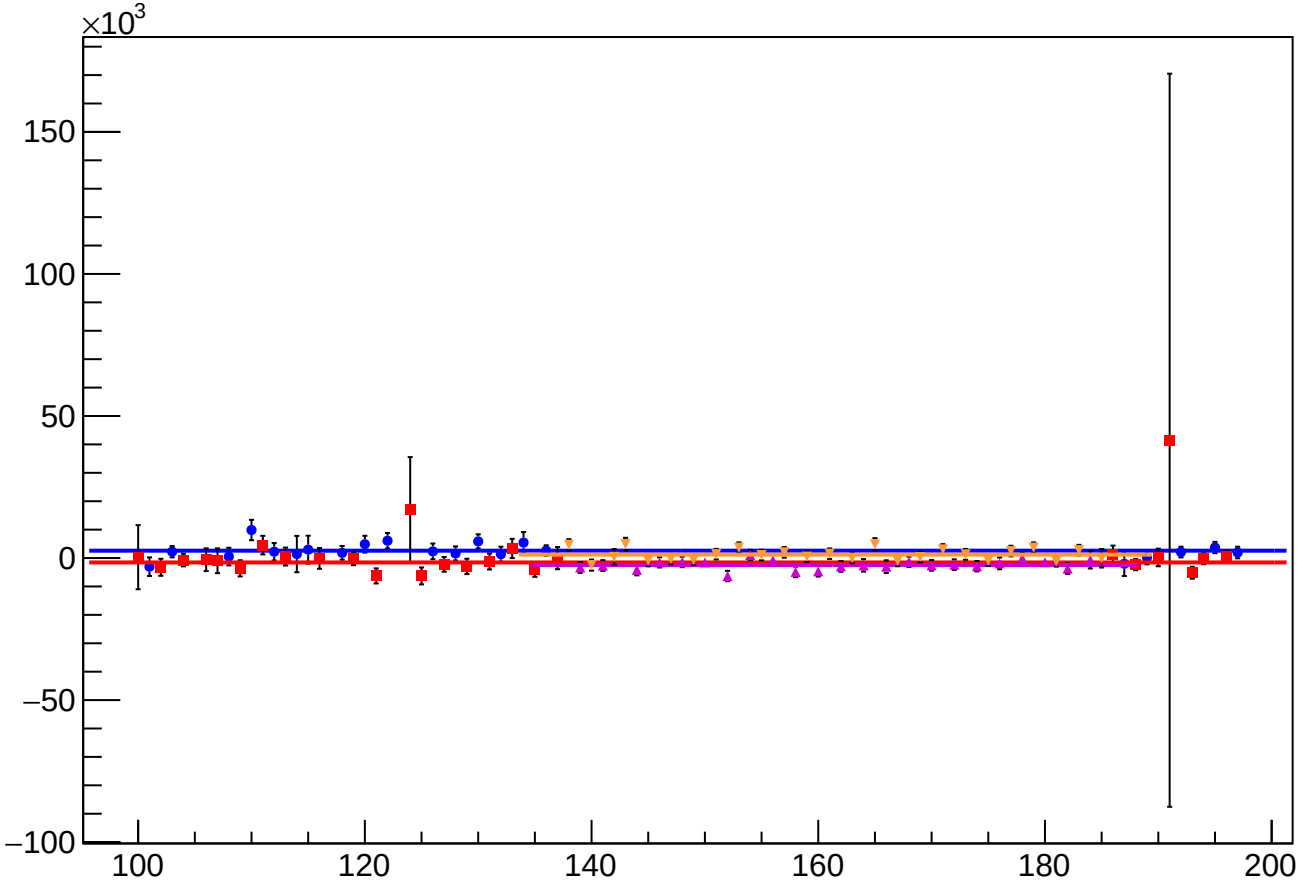
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3236.193+/-0.503 χ^2/NDF: 17865067.0/45

All: 3152.562+/-0.350 χ^2/NDF: 36899818.9/9

- sign 3074.067+/-0.487 χ^2/NDF: 18981054.7/48

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2592.135+/-570.423 χ^2/NDF: 15.2/20

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1545.428+/-557.641 χ^2/NDF: 21.8/25

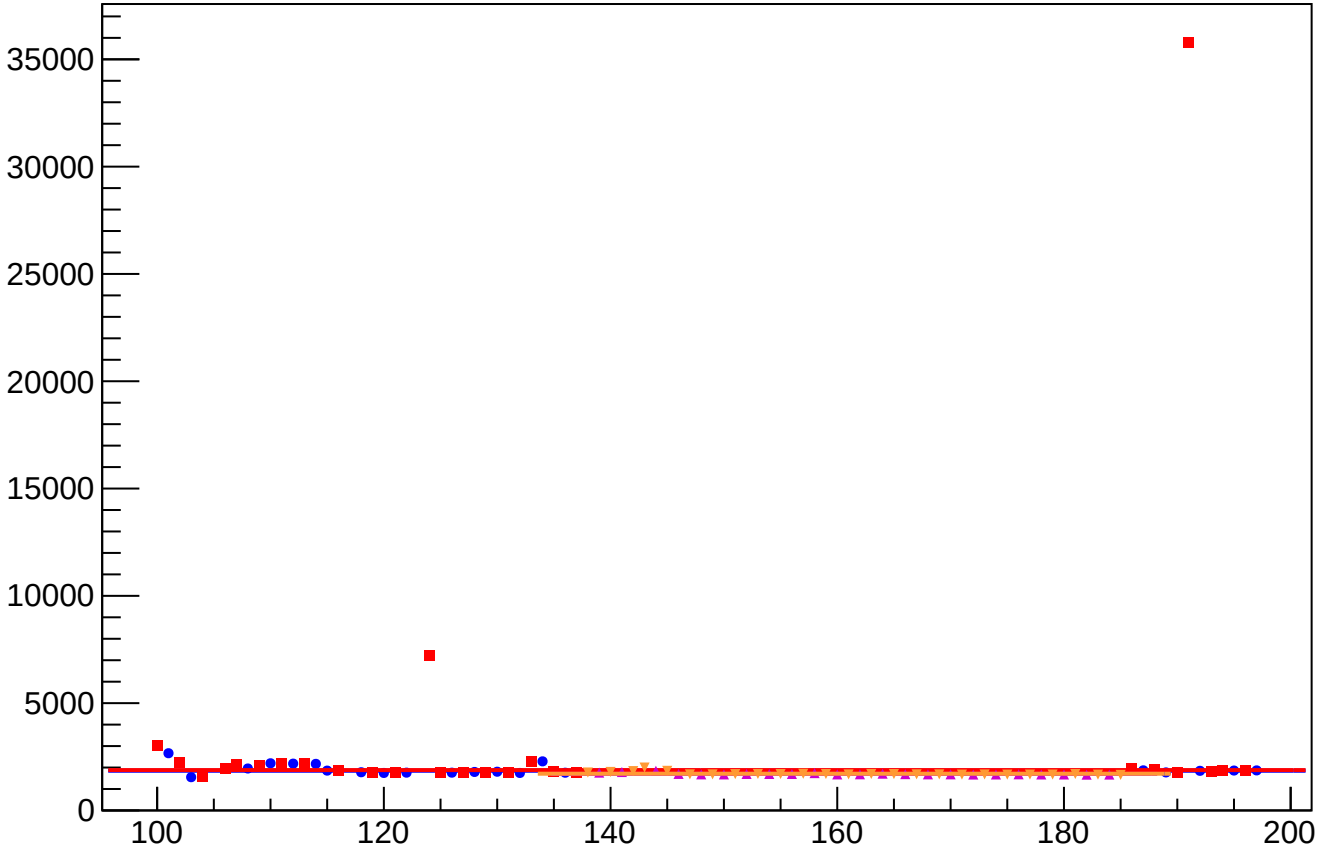
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1643.692+/-321.460 χ^2/NDF: 45.6/45

All: -232.362+/-228.177 χ^2/NDF: 155.3/94

- sign -2137.425+/-323.936 χ^2/NDF: 41.0/48

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1850.780+/-0.403 χ^2/NDF: 265632.7/20

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1881.074+/-0.394 χ^2/NDF: 517001.3/25

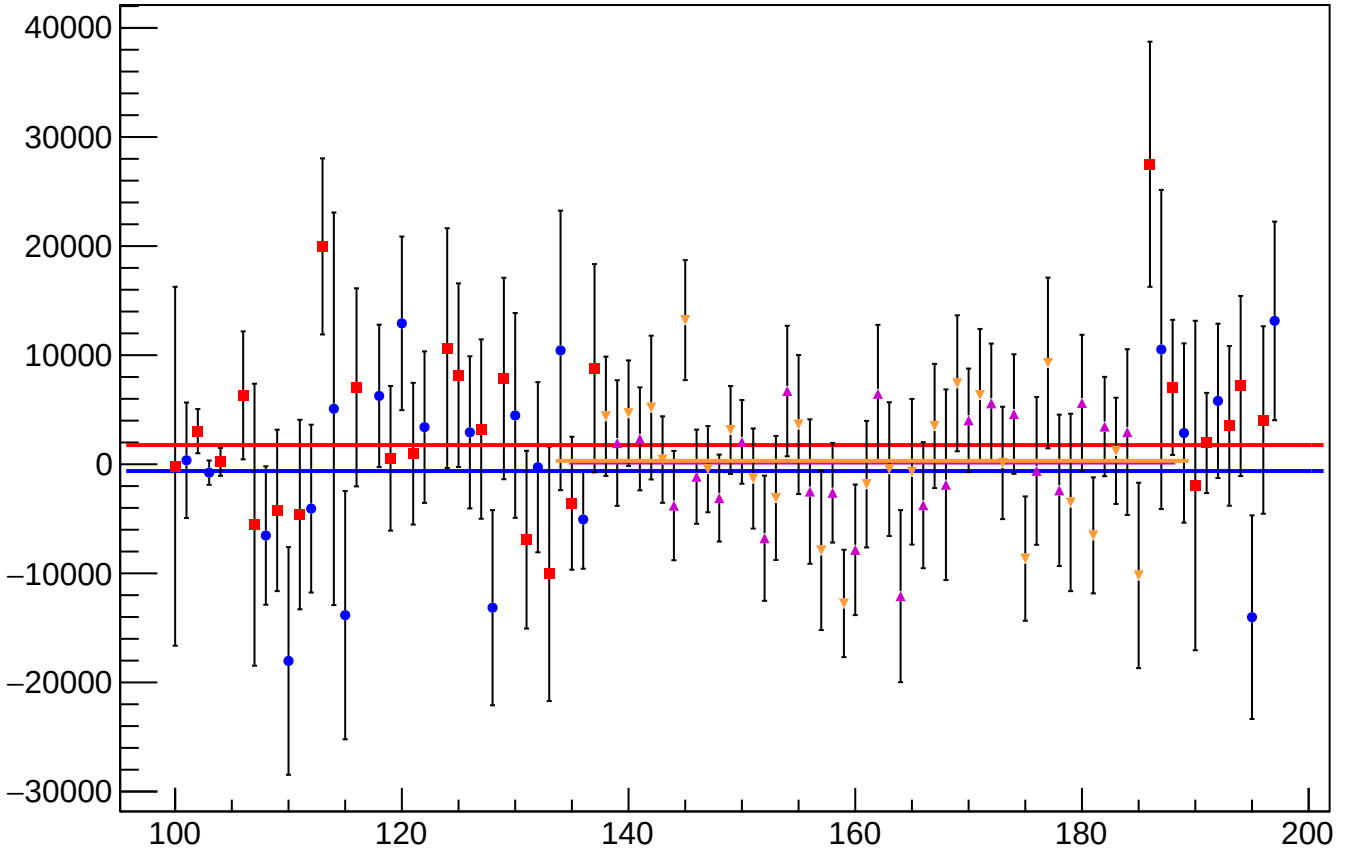
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1755.922+/-0.227 χ^2/NDF: 406747.5/45

All: 1759.851+/-0.161 χ^2/NDF: 1080811.5/94

- sign 1763.837+/-0.229 χ^2/NDF: 673462.1/48

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -620.895+/-935.920 χ^2/NDF: 19.9/20

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1760.810+/-896.234 χ^2/NDF: 21.2/25

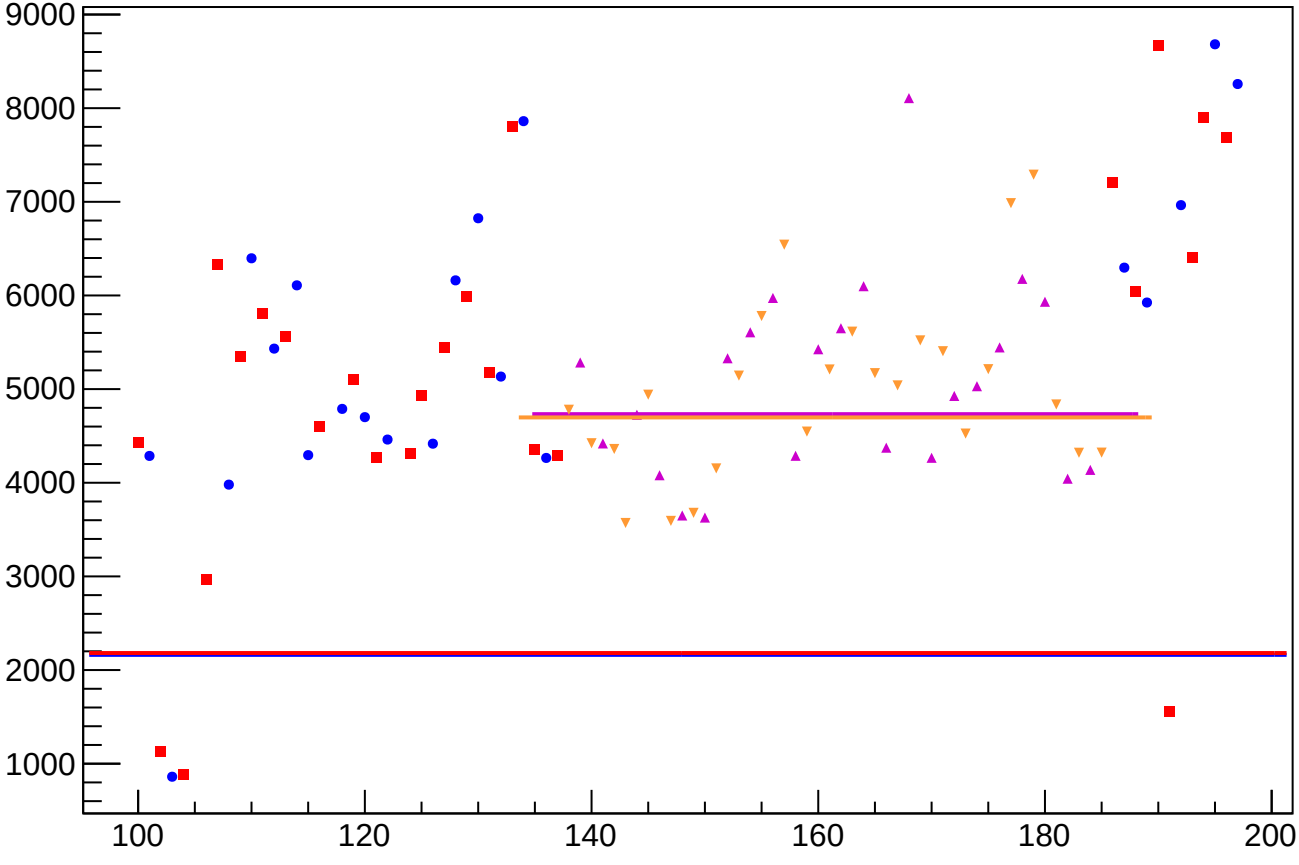
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -224.932+/-710.622 χ^2/NDF: 47.3/45

All: 466.467+/-499.343 χ^2/NDF: 86.4/94

- sign 1140.835+/-701.815 χ^2/NDF: 37.2/48

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2162.338+/-0.662 χ^2/NDF: 10412237.9/20

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2181.555+/-0.634 χ^2/NDF: 10743970.4/25

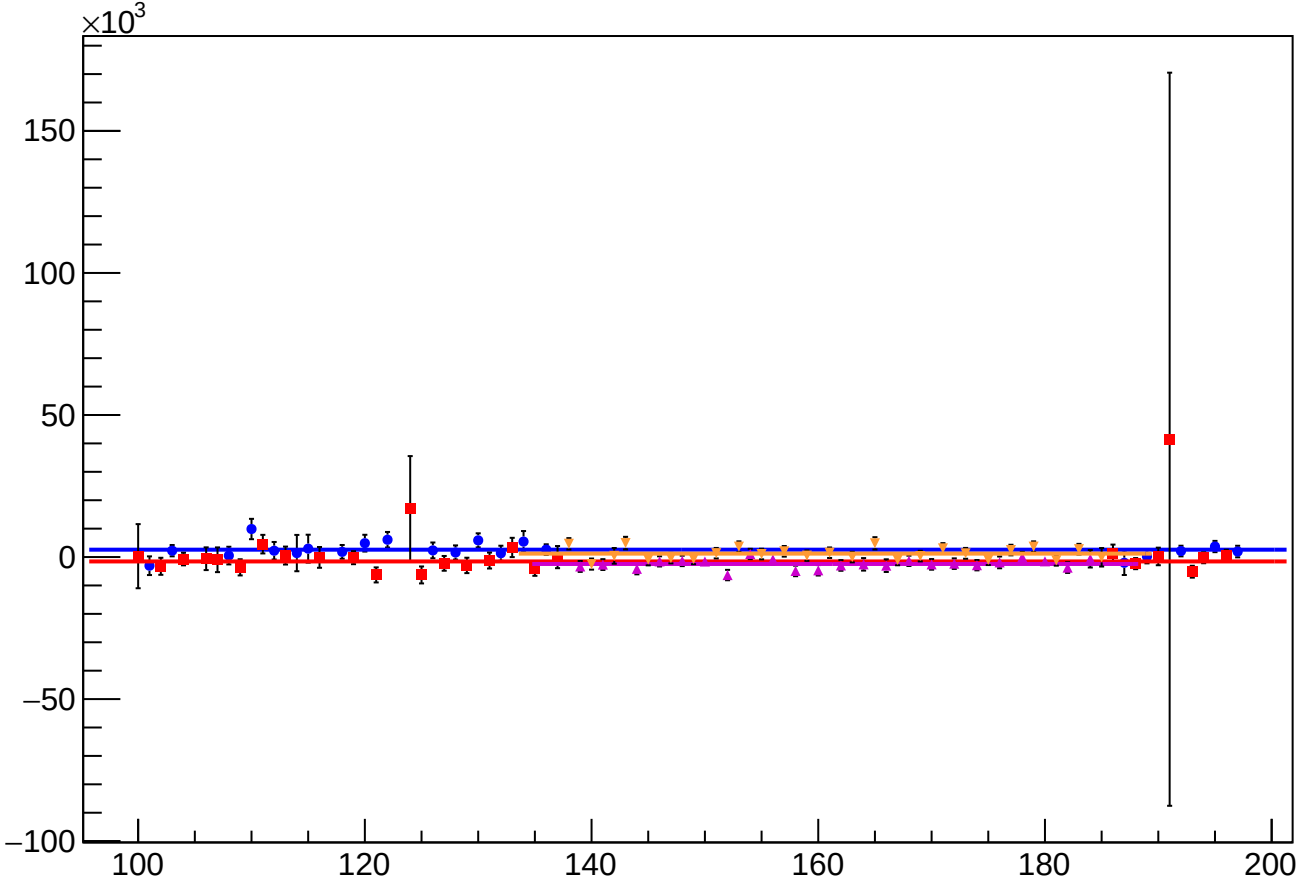
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3236.026+/-0.502 χ^2/NDF: 17866844.8/45

All: 3201.705+/-0.353 χ^2/NDF: 36129683.5/9

- sign 3168.228+/-0.496 χ^2/NDF: 18253622.7/48

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2592.135+/-570.423 χ^2/NDF: 15.2/20

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1545.428+/-557.641 χ^2/NDF: 21.8/25

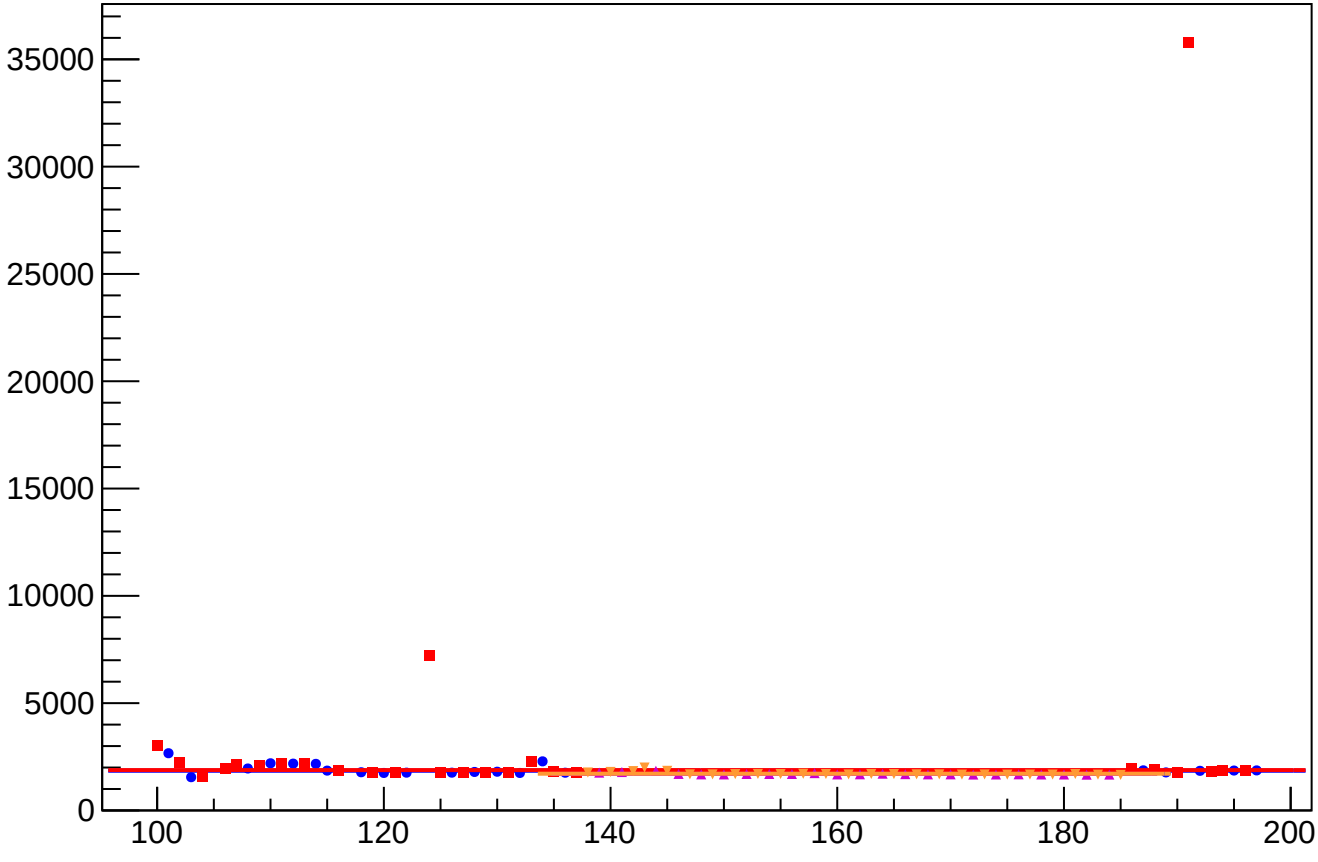
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1643.692+/-321.460 χ^2/NDF: 45.6/45

All: -232.362+/-228.177 χ^2/NDF: 155.3/94

- sign -2137.425+/-323.936 χ^2/NDF: 41.0/48

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1850.780+/-0.403 χ^2/NDF: 265632.7/20

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1881.074+/-0.394 χ^2/NDF: 517001.3/25

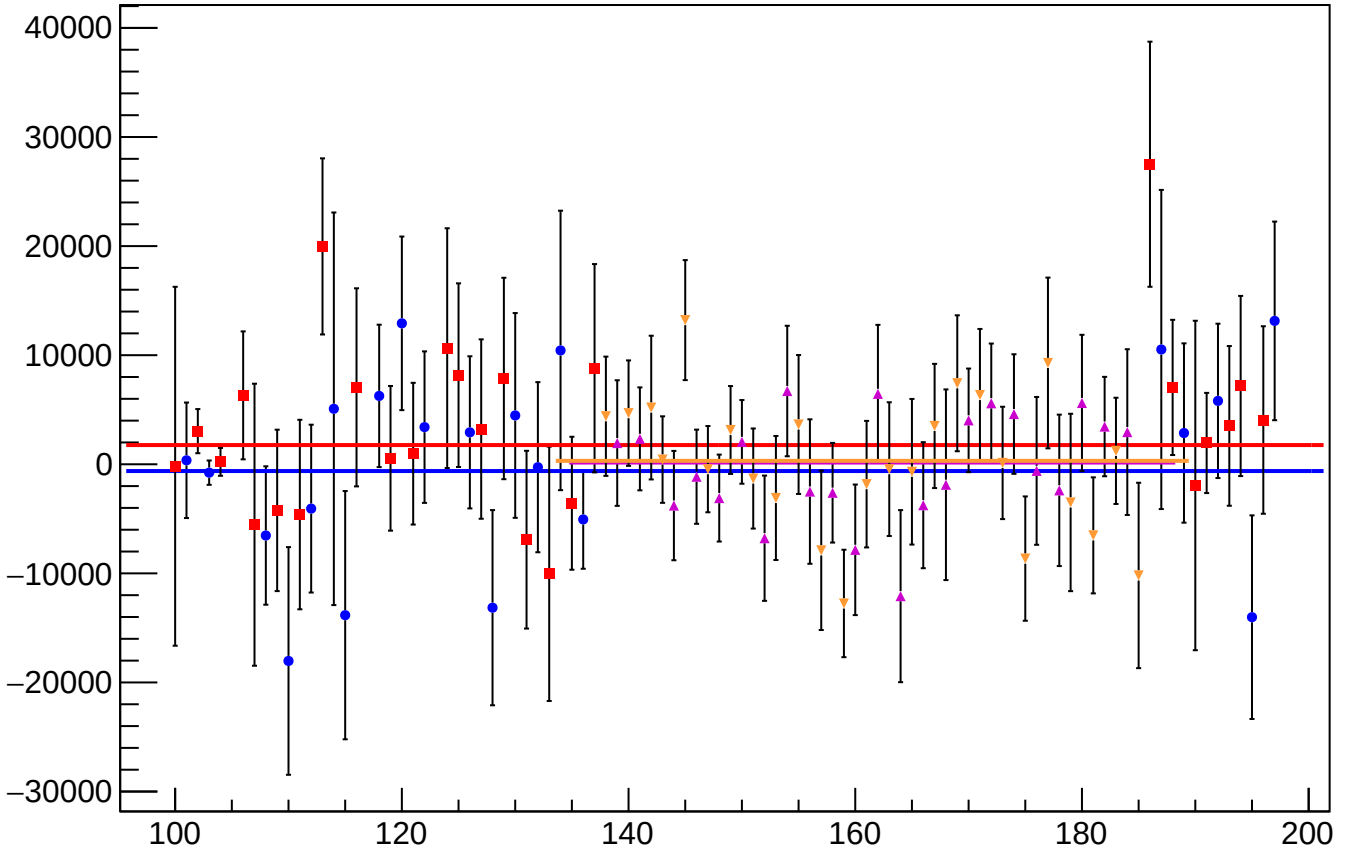
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1755.922+/-0.227 χ^2/NDF: 406747.5/45

All: 1759.851+/-0.161 χ^2/NDF: 1080811.5/94

- sign 1763.837+/-0.229 χ^2/NDF: 673462.1/48

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -620.895+/-935.920 χ^2/NDF: 19.9/20

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1760.810+/-896.234 χ^2/NDF: 21.2/25

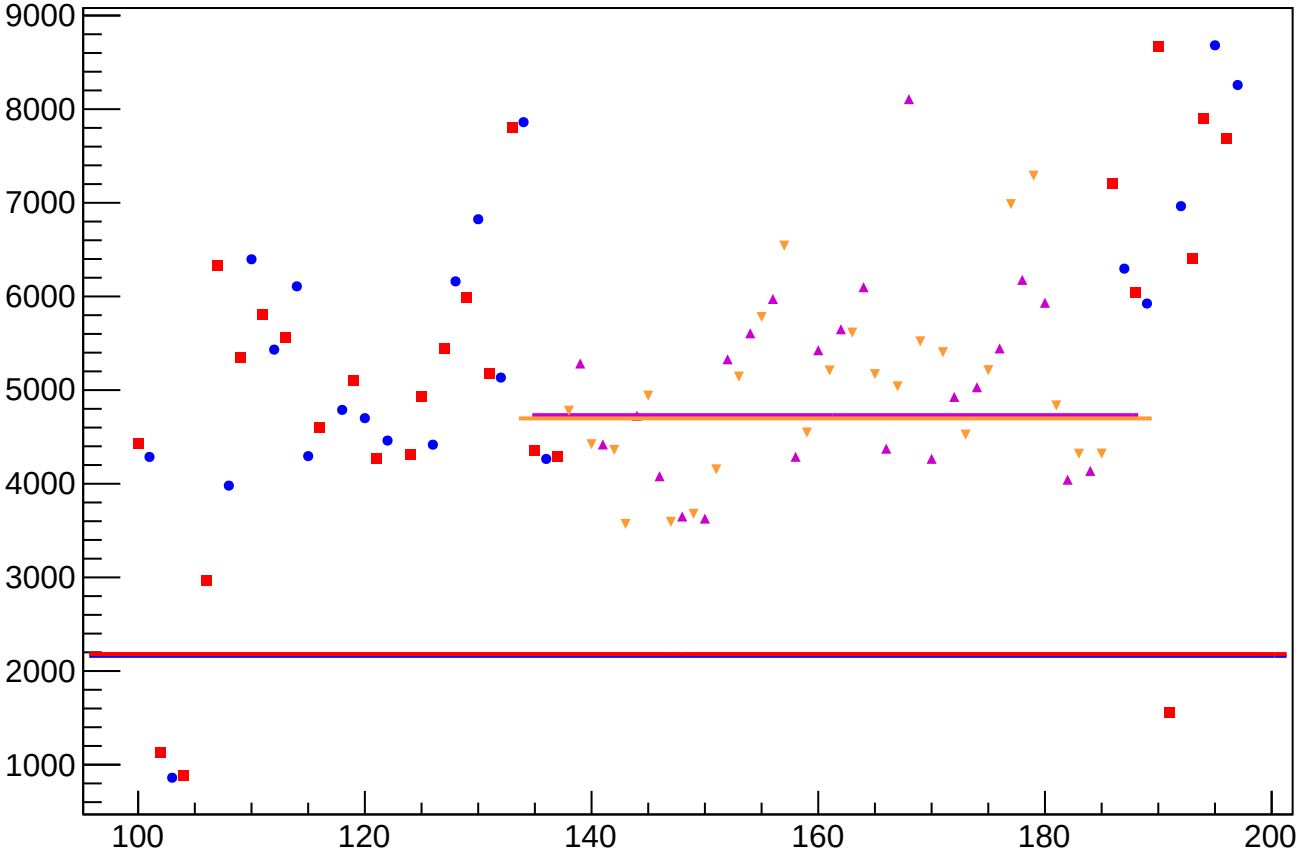
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -224.932+/-710.622 χ^2/NDF: 47.3/45

All: 466.467+/-499.343 χ^2/NDF: 86.4/94

- sign 1140.835+/-701.815 χ^2/NDF: 37.2/48

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 2162.338+/-0.662 χ^2/NDF: 10412237.9/20

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2181.555+/-0.634 χ^2/NDF: 10743970.4/25

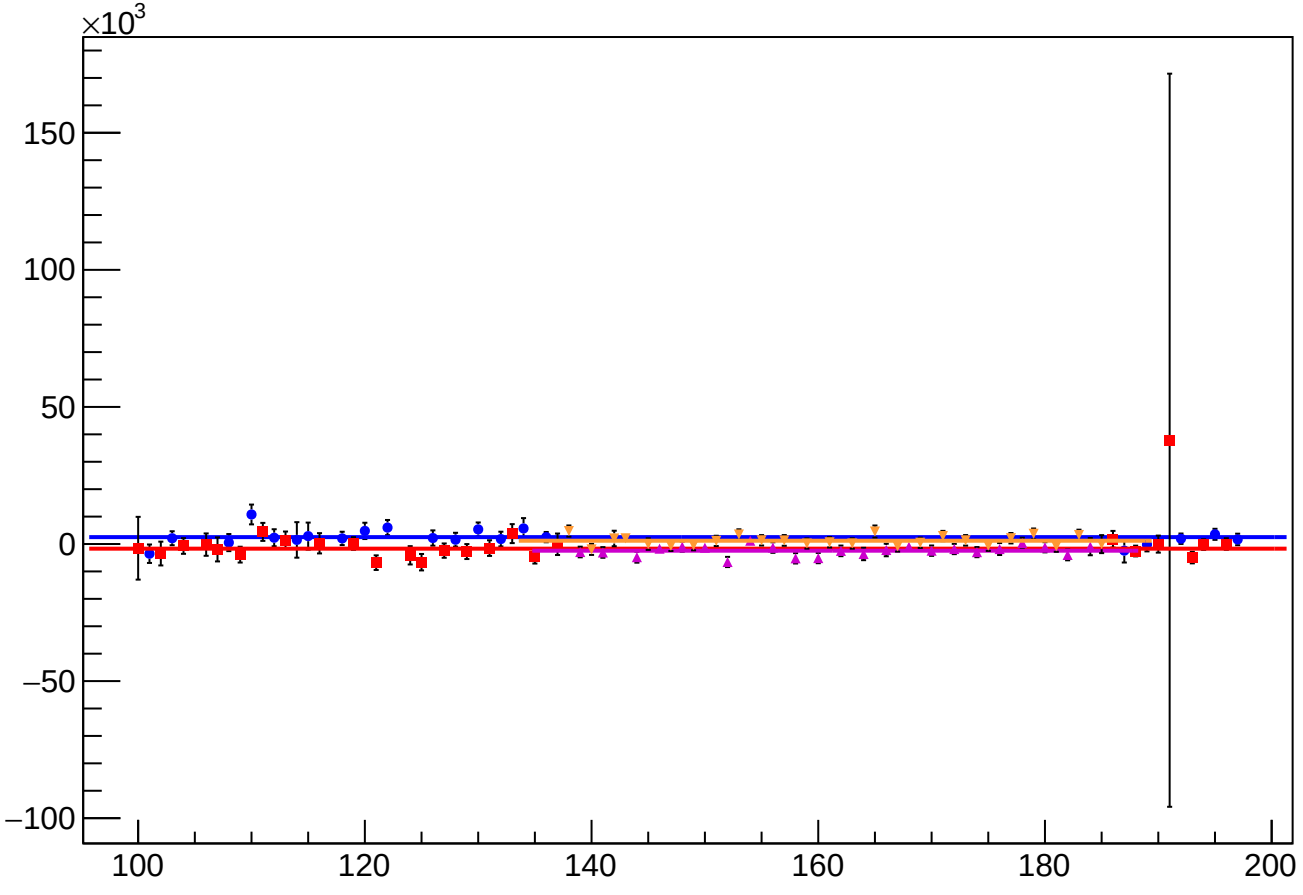
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3236.026+/-0.502 χ^2/NDF: 17866844.8/45

All: 3201.705+/-0.353 χ^2/NDF: 36129683.5/9

- sign 3168.228+/-0.496 χ^2/NDF: 18253622.7/48

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2513.556+/-587.036 χ^2/NDF: 16.3/20

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1698.190+/-567.301 χ^2/NDF: 22.9/25

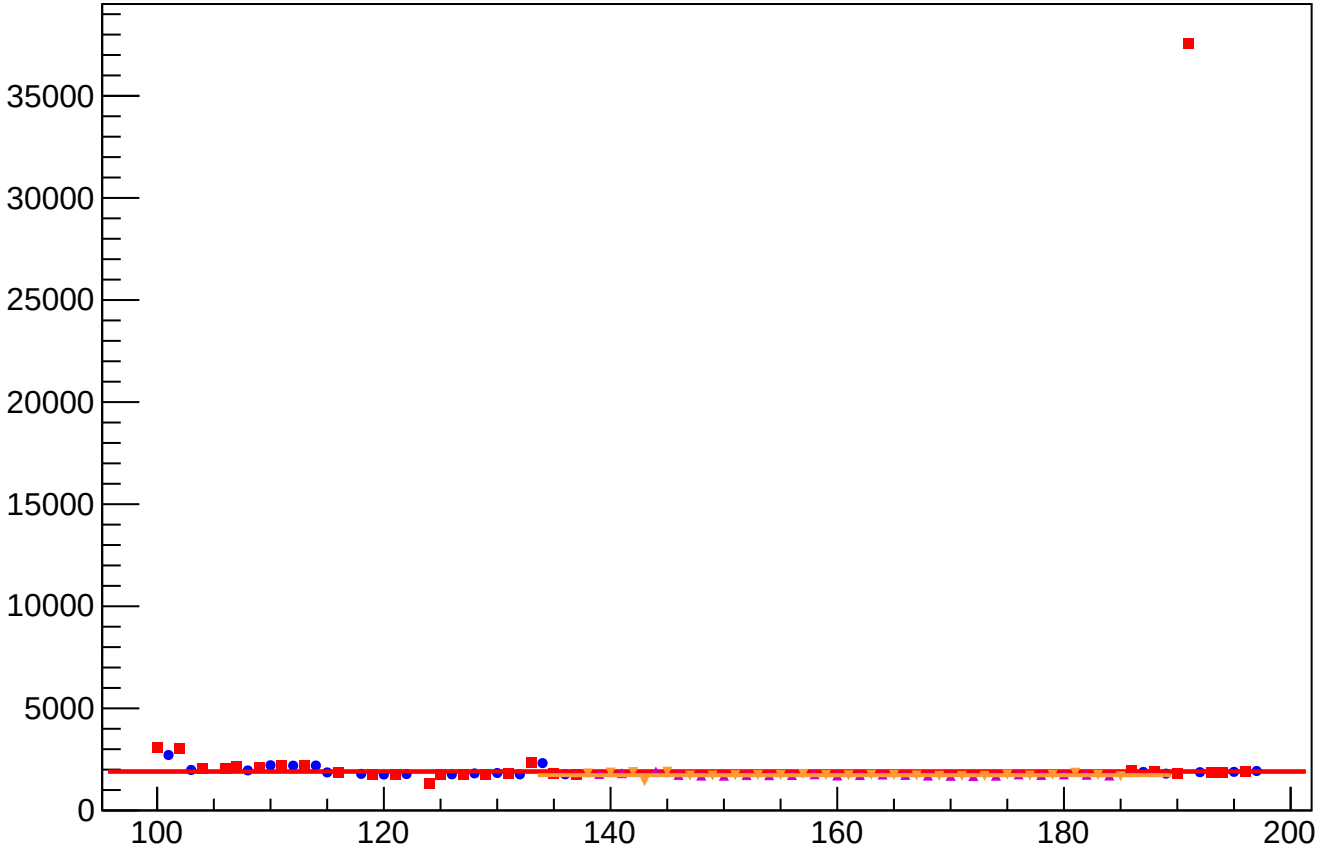
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1604.671+/-326.563 χ^2/NDF: 39.3/45

All: -265.228+/-232.465 χ^2/NDF: 150.4/94

- sign -2186.199+/-330.992 χ^2/NDF: 44.6/48

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1905.822+/-0.415 χ^2/NDF: 220703.2/20

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

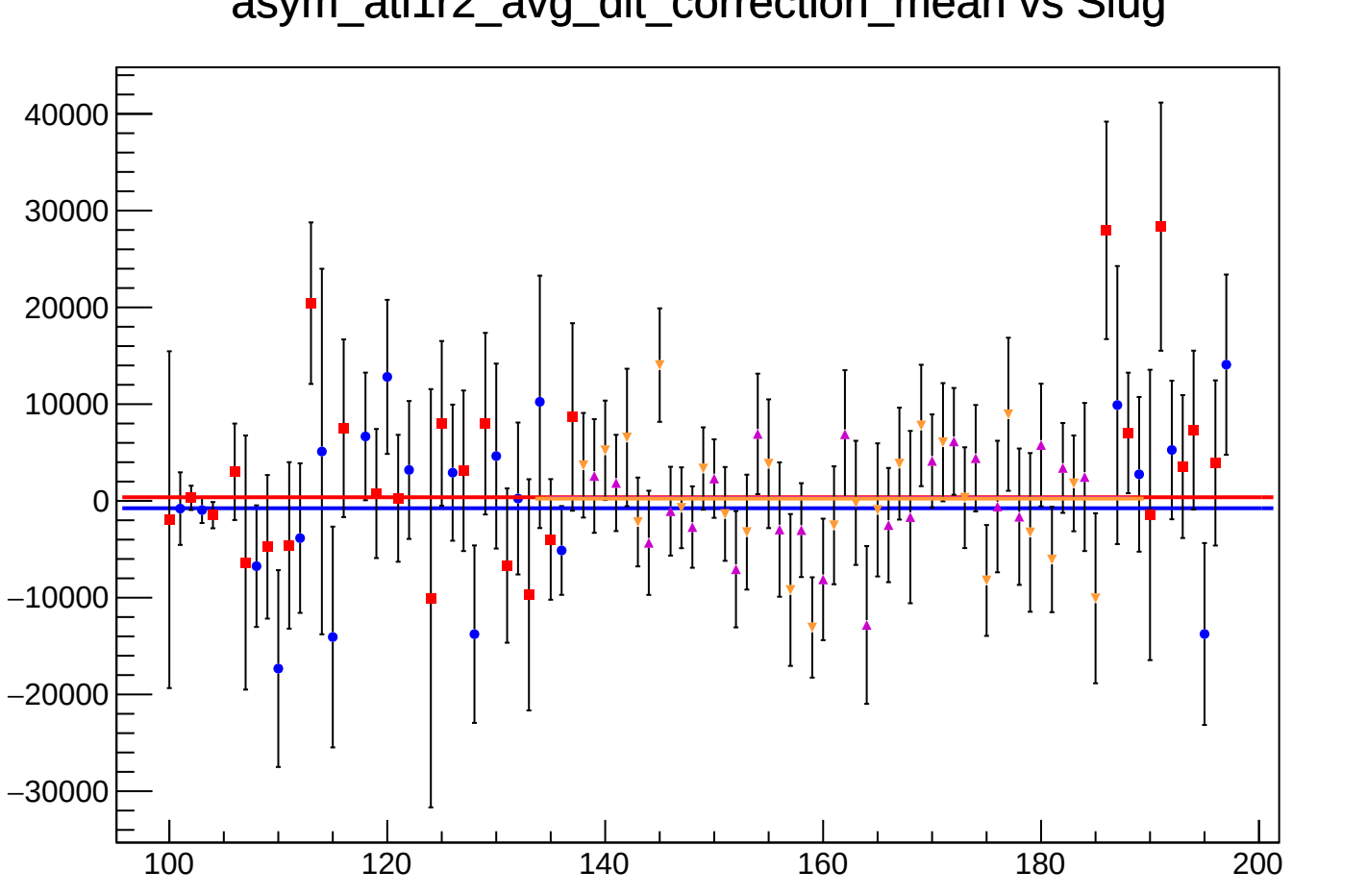
Right Out: 1909.144+/-0.401 χ^2/NDF: 497992.3/25

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1782.501+/-0.231 χ^2/NDF: 458792.1/45

All: 1791.466+/-0.164 χ^2/NDF: 1097646.1/94

- sign 1800.672+/-0.234 χ^2/NDF: 635798.7/48



Right In: -756.766+/-1035.635 χ^2/NDF: 19.8/20

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 378.125+/-810.275 χ^2/NDF: 27.1/25

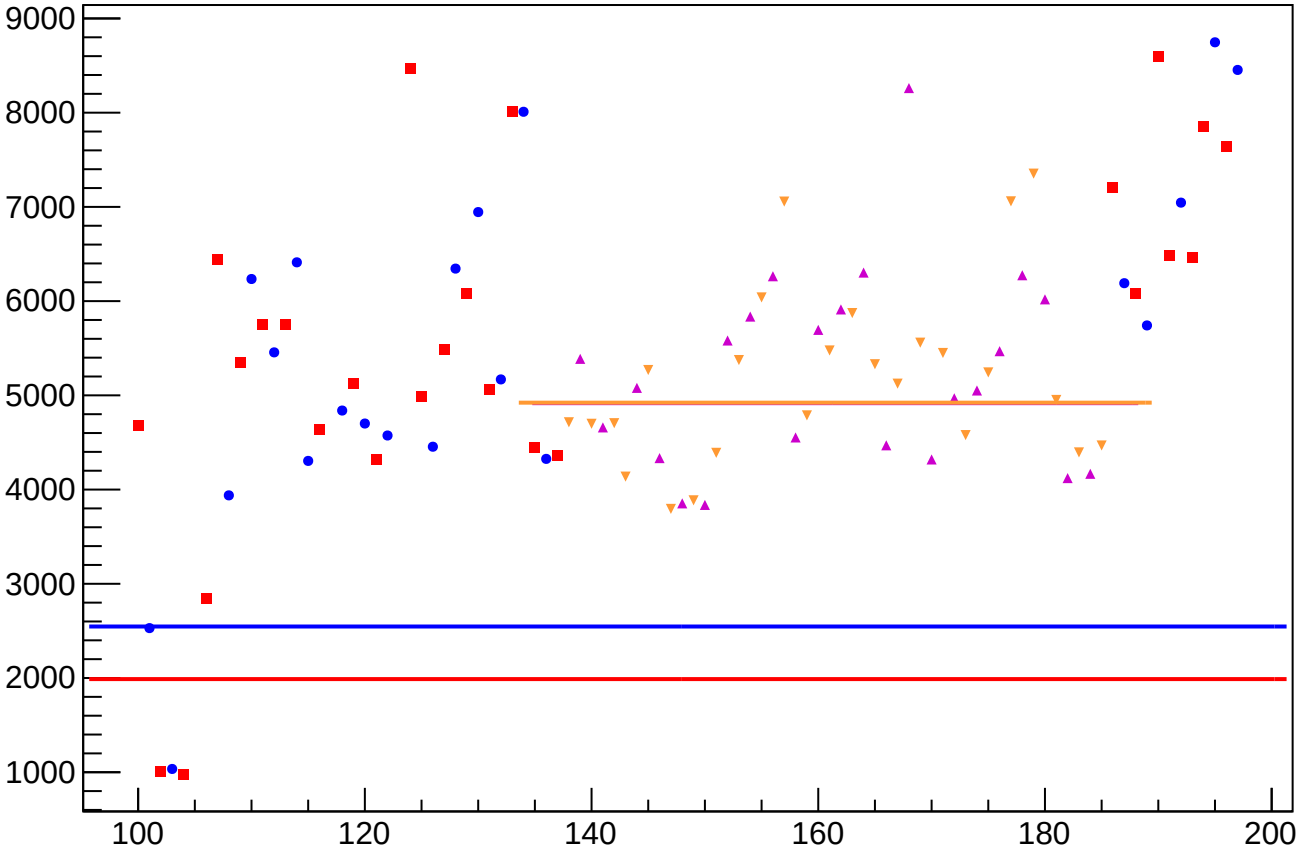
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

\+ sign -305.993+/-766.844 χ^2/NDF: 46.9/45

All: 70.532+/-502.970 χ^2/NDF: 89.0/94

\- sign 354.808+/-666.317 χ^2/NDF: 41.6/48

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2546.643+/-0.732 χ^2/NDF: 8609726.7/20

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1988.584+/-0.573 χ^2/NDF: 11699080.1/25

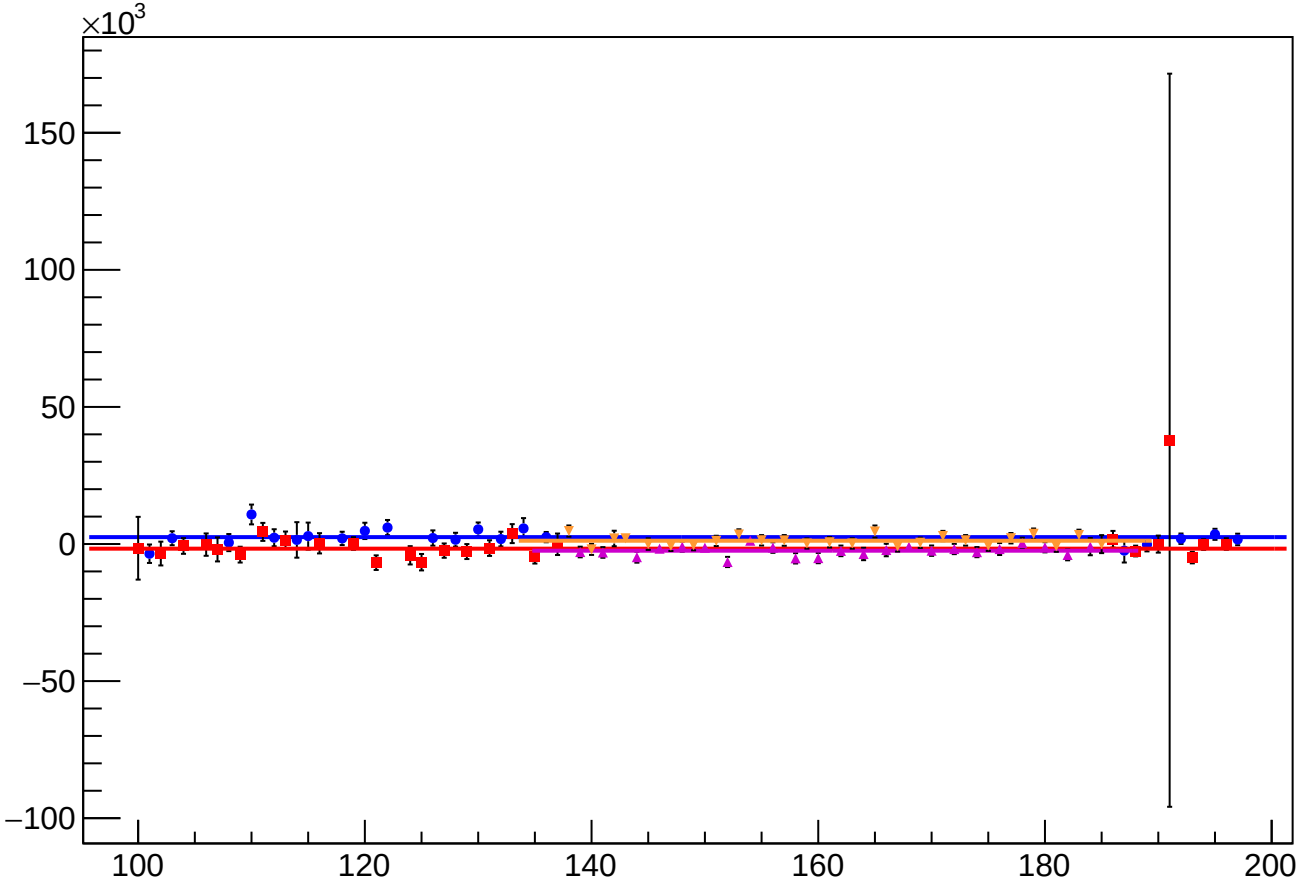
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3619.818+/-0.542 χ^2/NDF: 14414421.1/45

All: 3230.577+/-0.356 χ^2/NDF: 36637201.4/9

- sign 2936.699+/-0.471 χ^2/NDF: 21318438.8/48

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2513.554+/-587.035 χ^2/NDF: 16.3/20

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1698.192+/-567.301 χ^2/NDF: 22.9/25

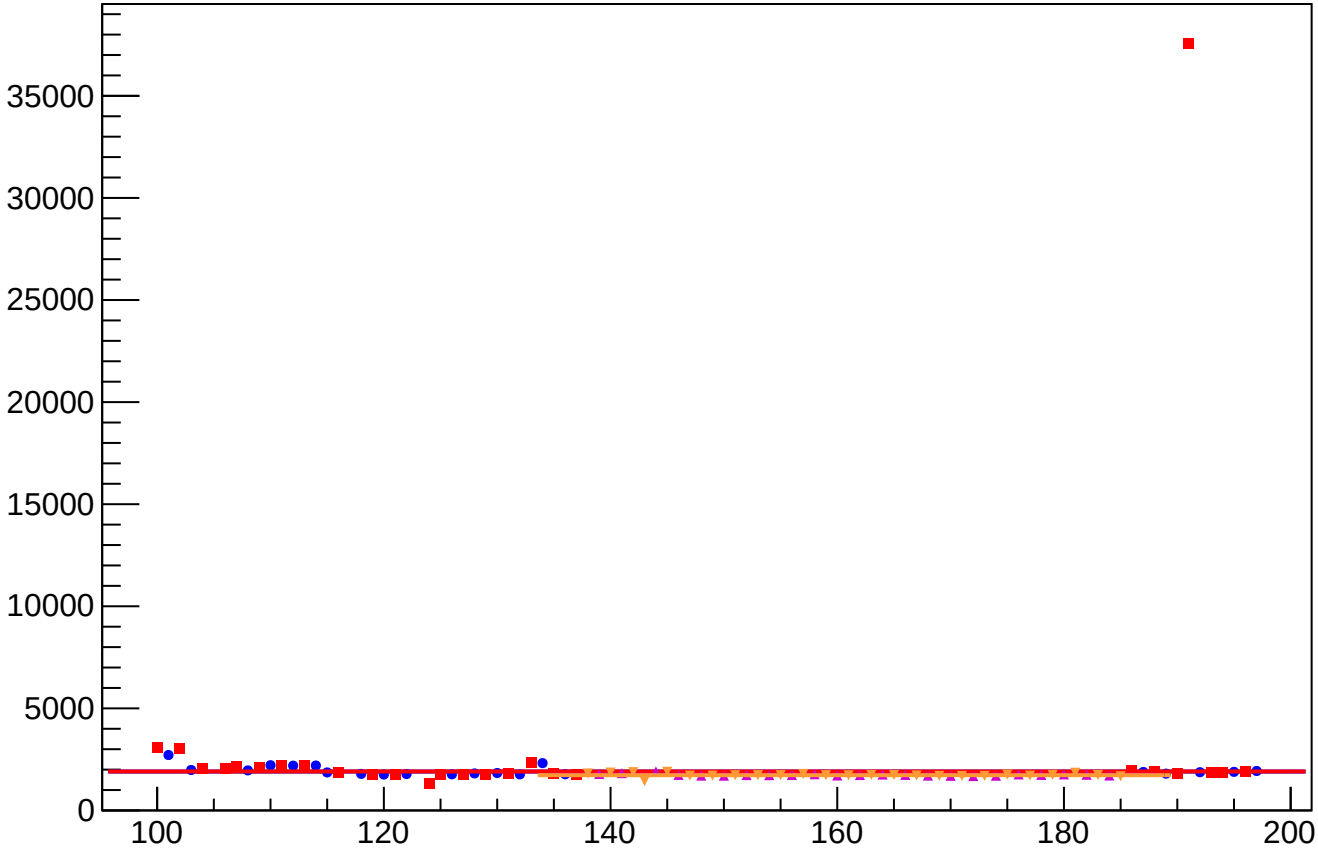
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1604.666+/-326.563 χ^2/NDF: 39.3/45

All: -265.230+/-232.465 χ^2/NDF: 150.4/94

- sign -2186.199+/-330.992 χ^2/NDF: 44.6/48

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1905.822+/-0.415 χ^2/NDF: 220703.4/20

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

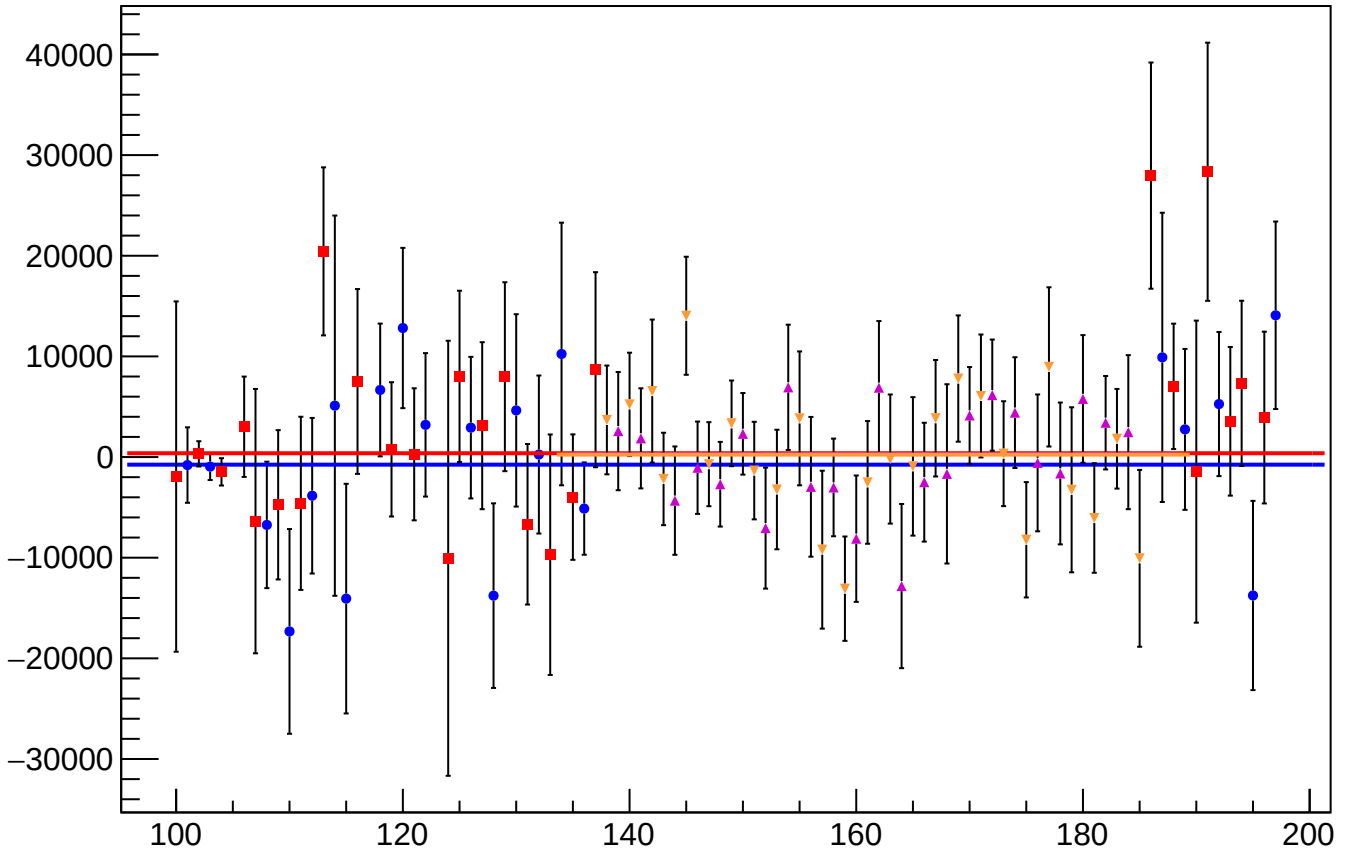
Right Out: 1909.144+/-0.401 χ^2/NDF: 497991.2/25

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1782.501+/-0.231 χ^2/NDF: 458789.2/45

All: 1791.466+/-0.164 χ^2/NDF: 1097640.6/94

- sign 1800.673+/-0.234 χ^2/NDF: 635796.2/48



Right In: -756.764+/-1035.635 χ^2/NDF: 19.8/20

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 378.130+/-810.275 χ^2/NDF: 27.1/25

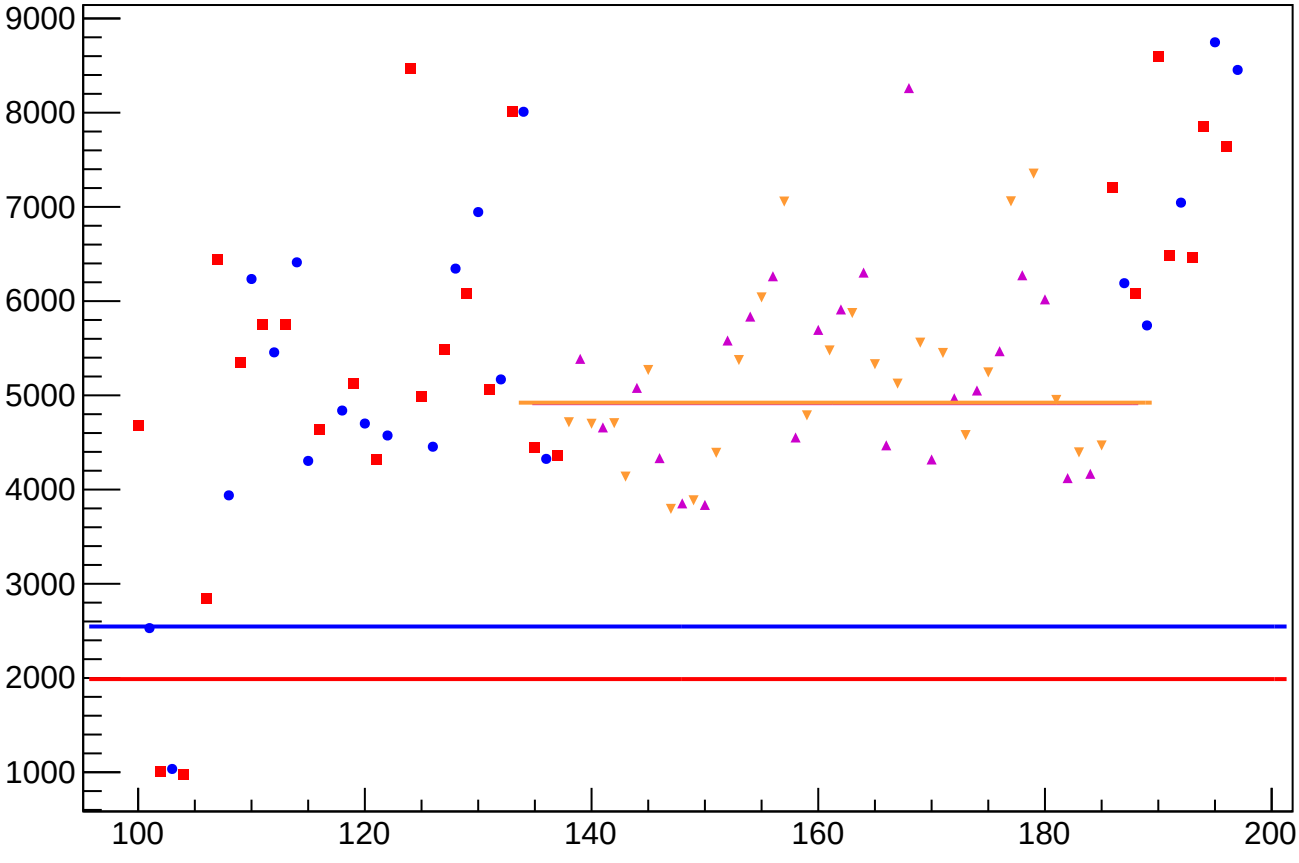
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -305.994+/-766.844 χ^2/NDF: 46.9/45

All: 70.533+/-502.970 χ^2/NDF: 89.0/94

- sign 354.812+/-666.317 χ^2/NDF: 41.6/48

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2546.642+/-0.732 χ^2/NDF: 8609723.7/20

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1988.584+/-0.573 χ^2/NDF: 11699073.3/25

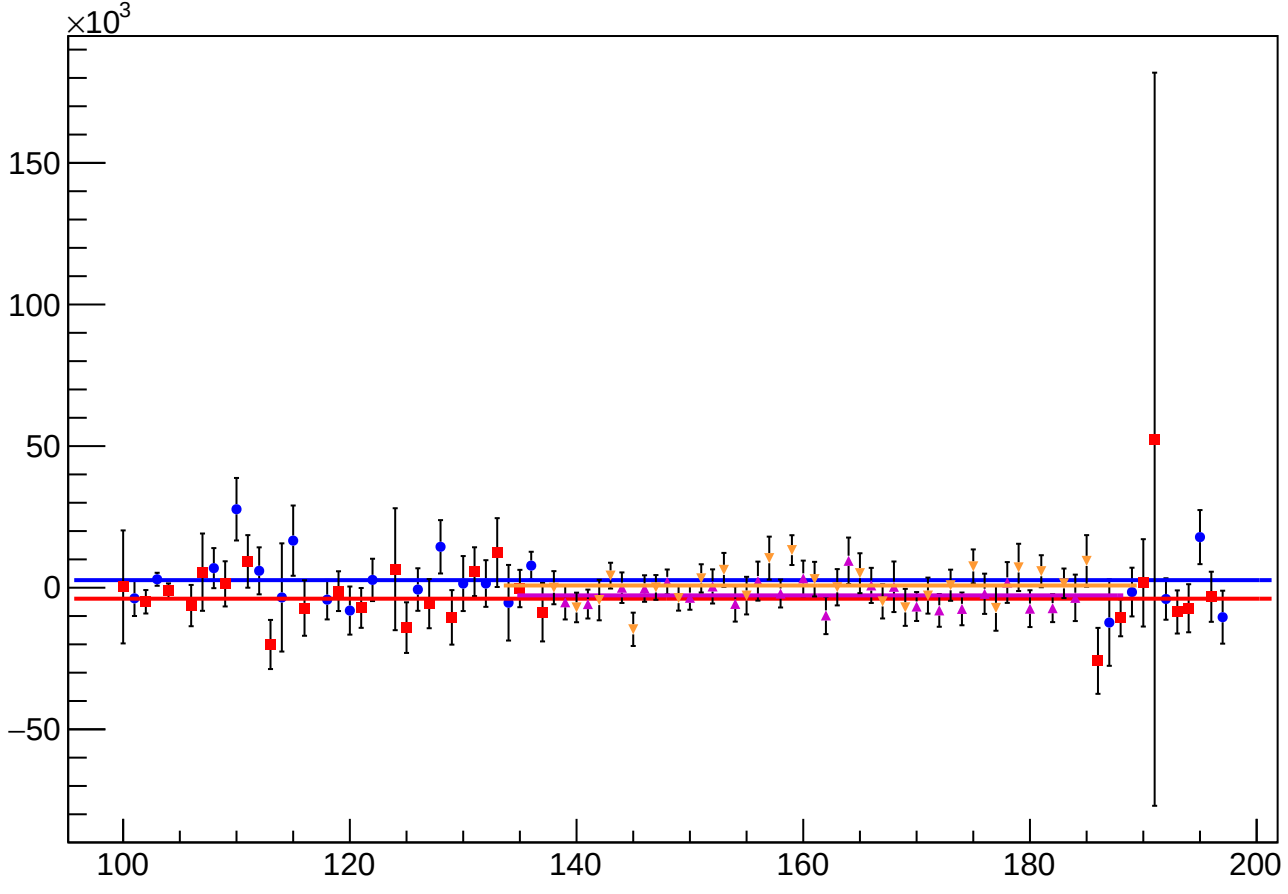
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3619.819+/-0.542 χ^2/NDF: 14414451.5/45

All: 3230.576+/-0.356 χ^2/NDF: 36637262.8/9

- sign 2936.698+/-0.471 χ^2/NDF: 21318467.9/48

asym_atl1r2_avg_mean vs Slug



Right In: 2674.541+/-1441.971 χ^2/NDF: 20.5/20

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3878.328+/-1422.494 χ^2/NDF: 19.3/25

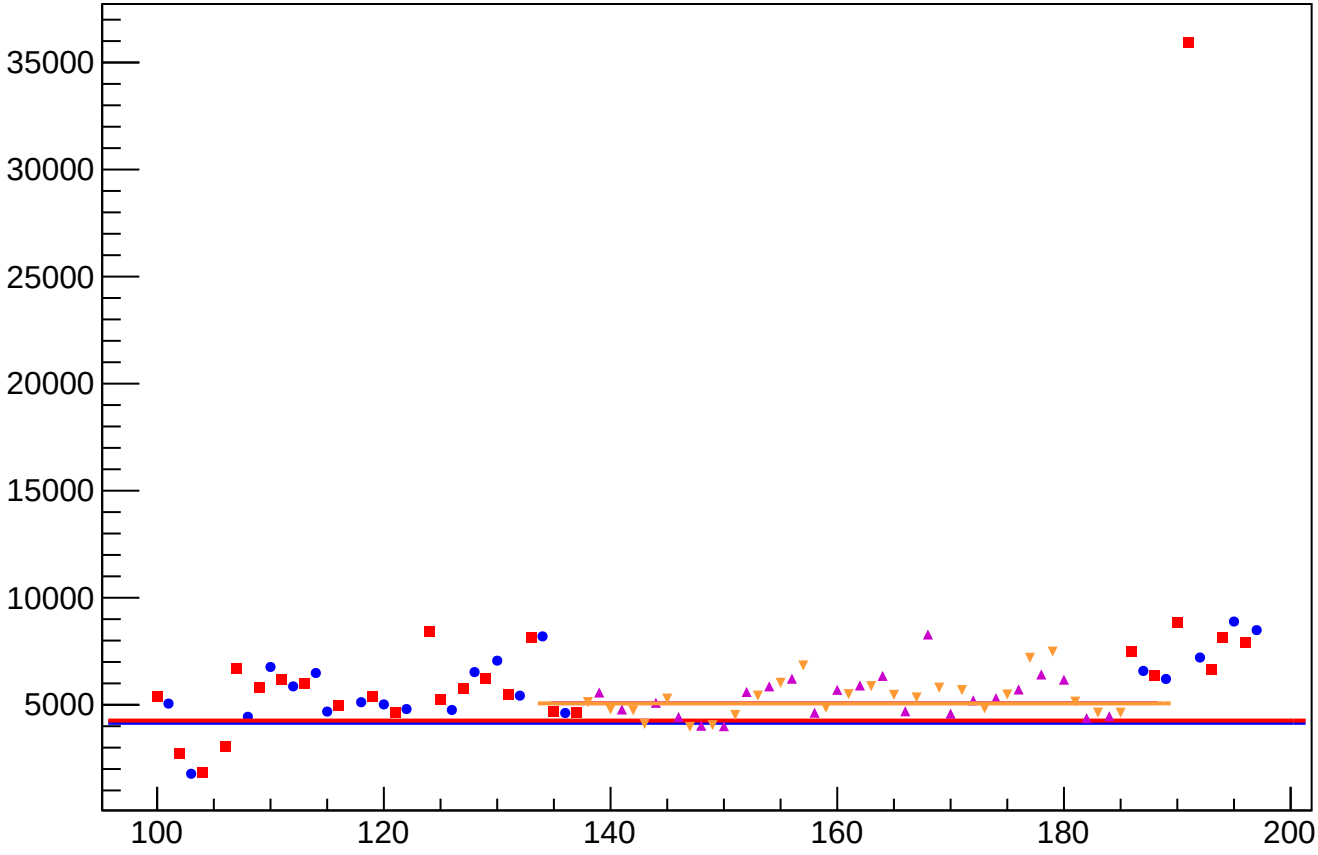
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1538.436+/-909.466 χ^2/NDF: 49.1/45

All: -801.533+/-646.788 χ^2/NDF: 94.0/94

- sign -3196.118+/-920.018 χ^2/NDF: 31.6/48

asym_atl1r2_avg_rms vs Slug



Right In: 4158.211+/-1.020 χ^2/NDF: 4499372.6/20

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4263.677+/-0.997 χ^2/NDF: 4566247.6/25

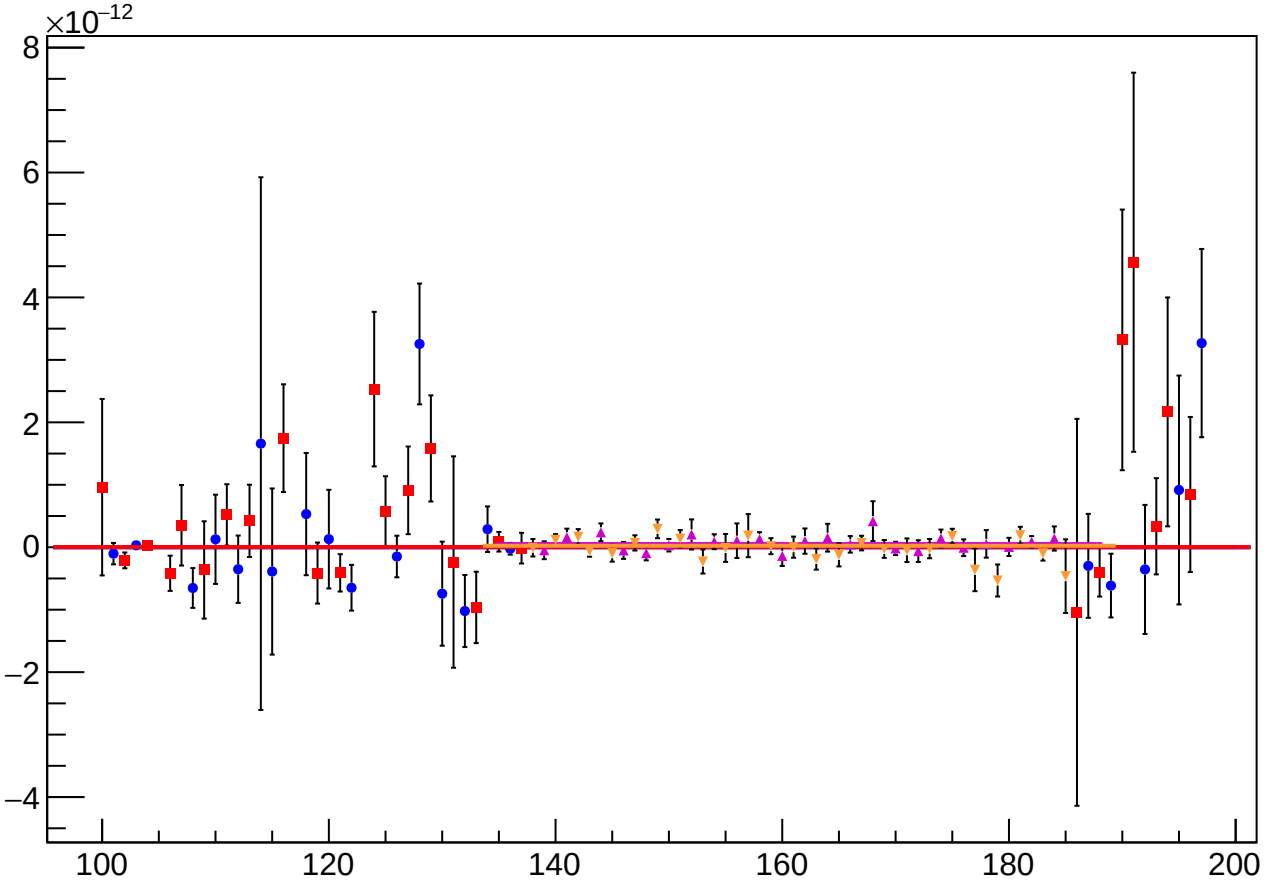
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4706.029+/-0.643 χ^2/NDF: 5932967.6/45

All: 4720.401+/-0.457 χ^2/NDF: 11888094.4/9

- sign 4735.005+/-0.648 χ^2/NDF: 5954119.8/48

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

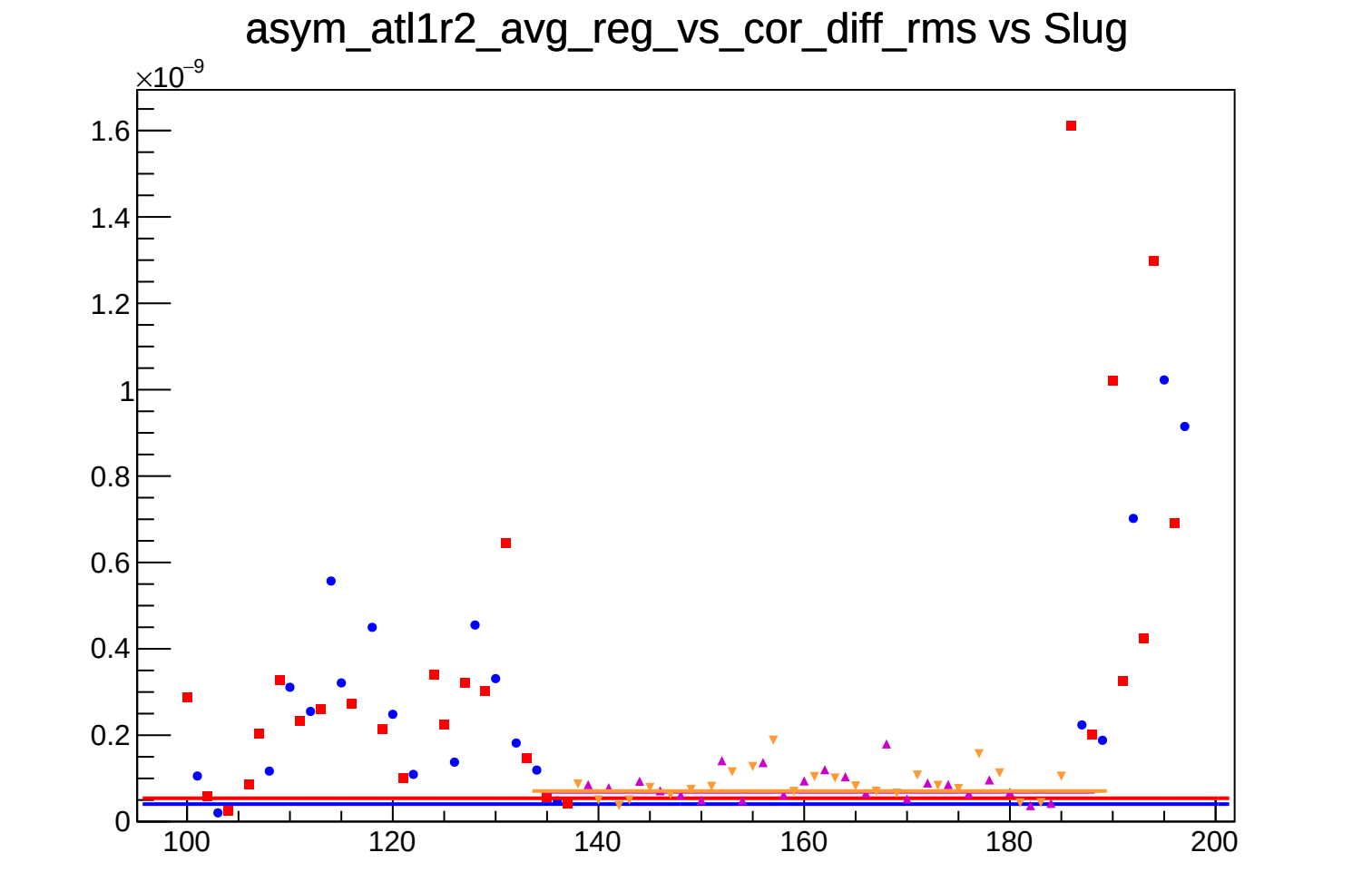
Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/25

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/45

All: 0.000+/-0.000 χ^2/NDF: 104.4/94

- sign 0.000+/-0.000 χ^2/NDF: 48.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 5484702.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6069420.0/25

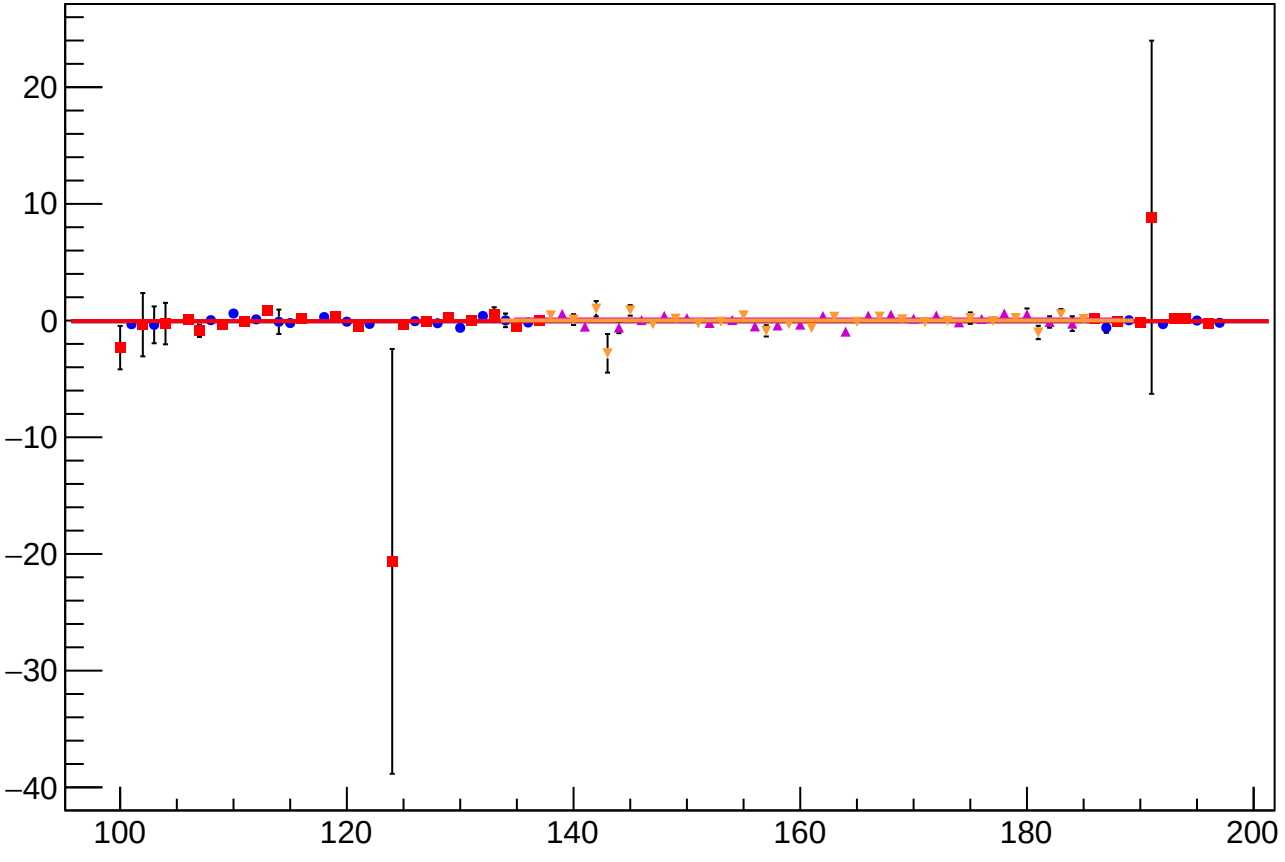
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7832367.8/45

All: 0.000+/-0.000 χ^2/NDF: 15539382.7/94

- sign 0.000+/-0.000 χ^2/NDF: 7655639.9/48

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.067+/-0.069 χ^2/NDF: 14.3/20

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.043+/-0.056 χ^2/NDF: 27.3/25

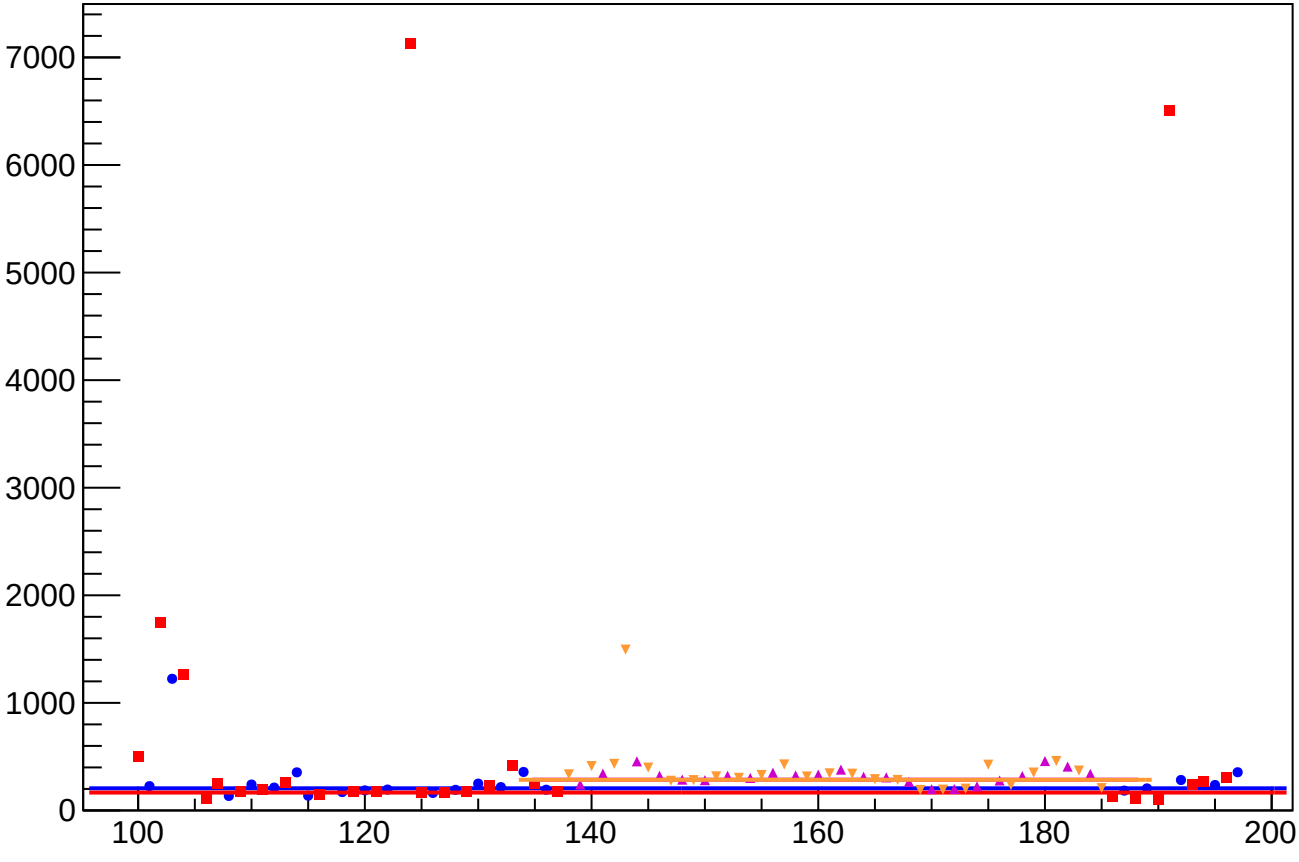
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.027+/-0.049 χ^2/NDF: 43.2/45

All: -0.007+/-0.033 χ^2/NDF: 103.9/94

- sign 0.009+/-0.044 χ^2/NDF: 60.4/48

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 205.812+/-0.048 χ^2/NDF: 1887807.7/20

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

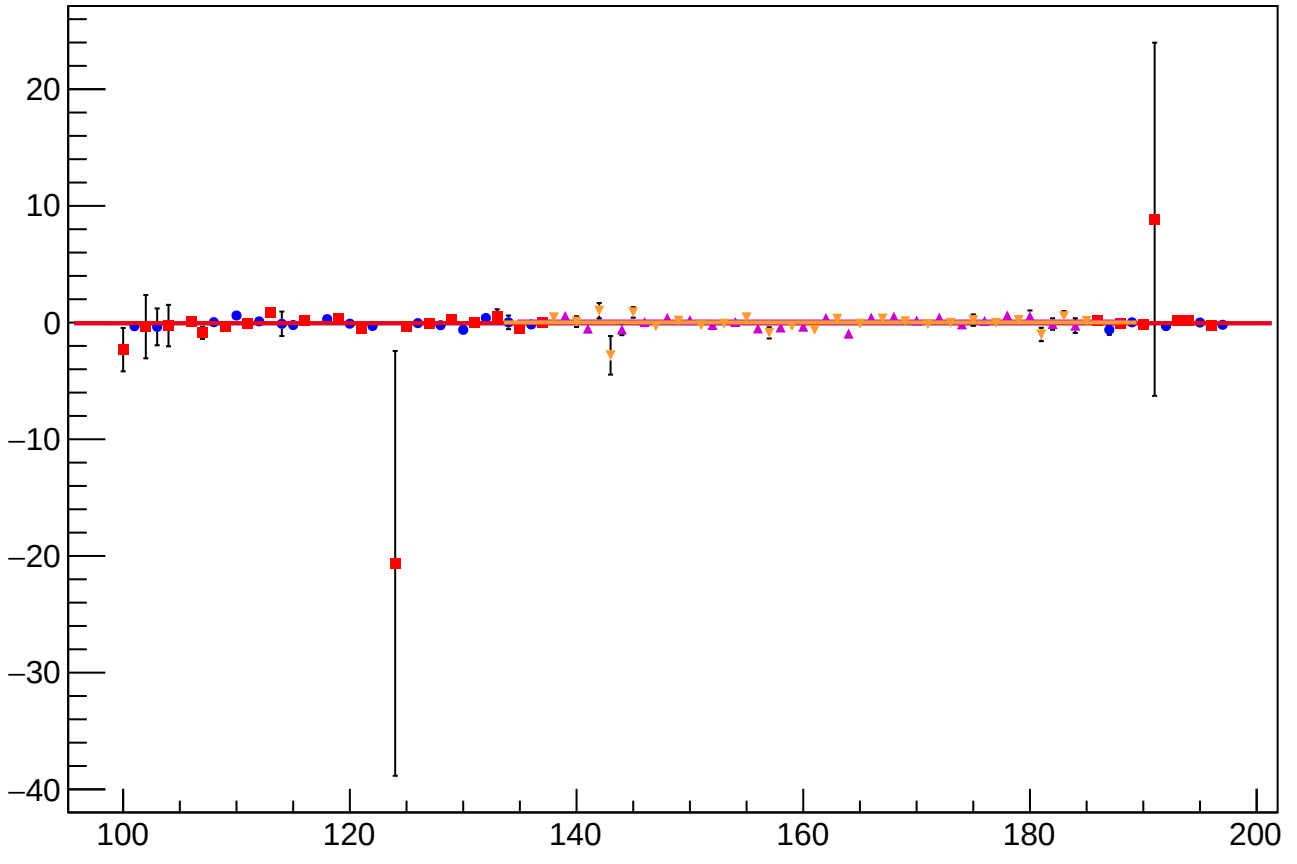
Right Out: 166.354+/-0.040 χ^2/NDF: 4400534.3/25

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 244.693+/-0.035 χ^2/NDF: 6606096.9/45

All: 227.126+/-0.023 χ^2/NDF: 16733470.8/94

- sign 212.935+/-0.031 χ^2/NDF: 9661005.4/48



Right In: -0.067+/-0.069 χ^2/NDF: 14.3/20

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.043+/-0.056 χ^2/NDF: 27.3/25

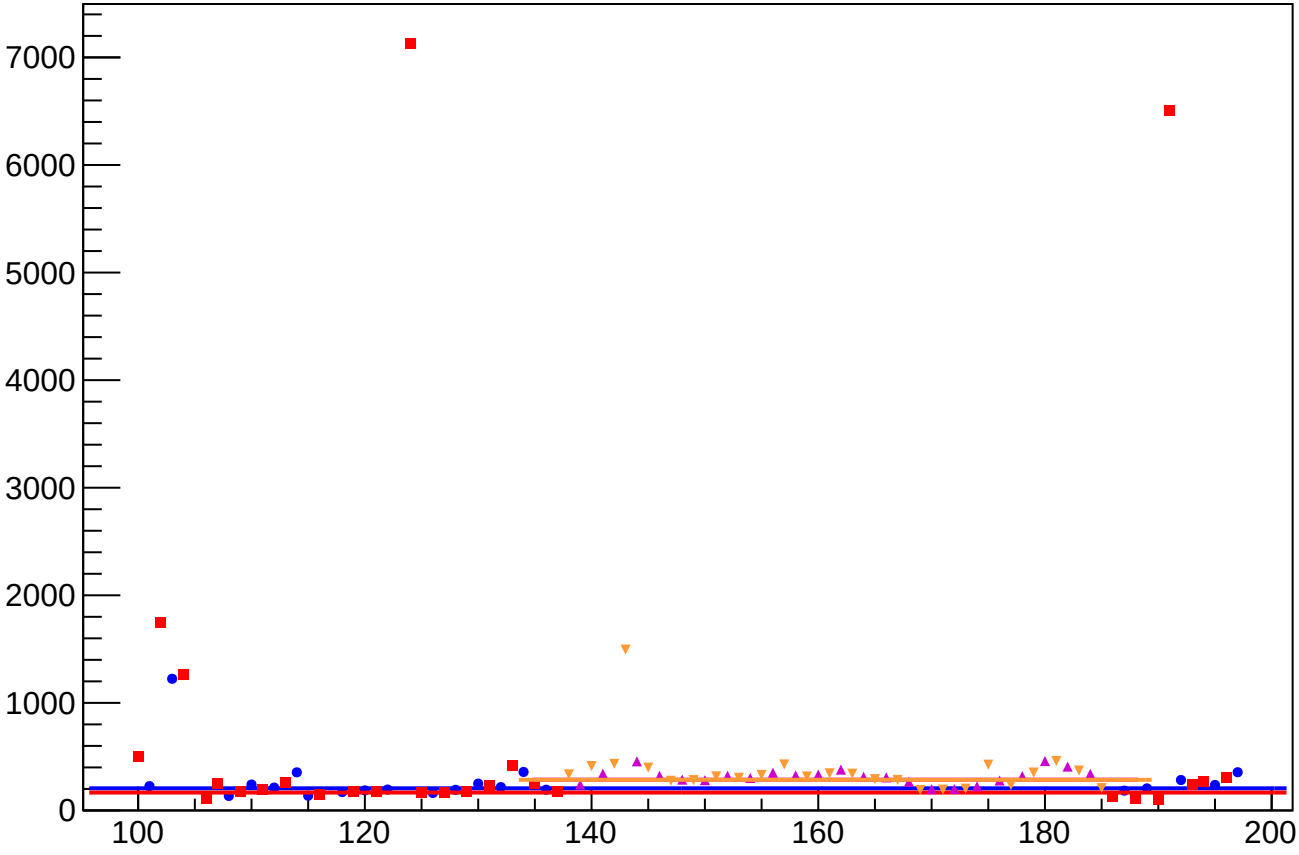
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.027+/-0.049 χ^2/NDF: 43.2/45

All: -0.007+/-0.033 χ^2/NDF: 103.9/94

- sign 0.009+/-0.044 χ^2/NDF: 60.4/48

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 205.812+/-0.048 χ^2/NDF: 1887807.7/20

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

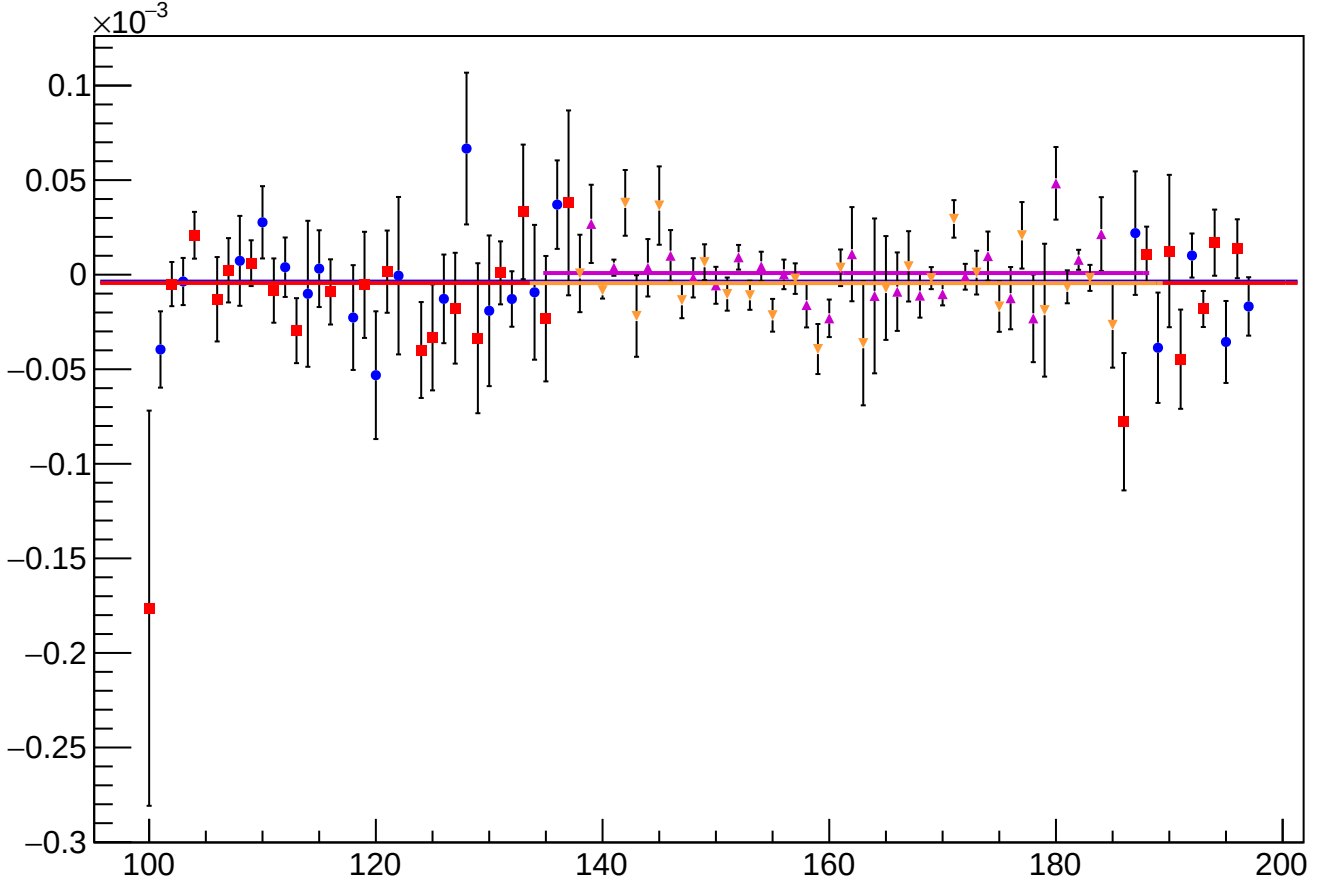
Right Out: 166.354+/-0.040 χ^2/NDF: 4400534.3/25

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 244.693+/-0.035 χ^2/NDF: 6606096.9/45

All: 227.126+/-0.023 χ^2/NDF: 16733470.8/94

- sign 212.935+/-0.031 χ^2/NDF: 9661005.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/25

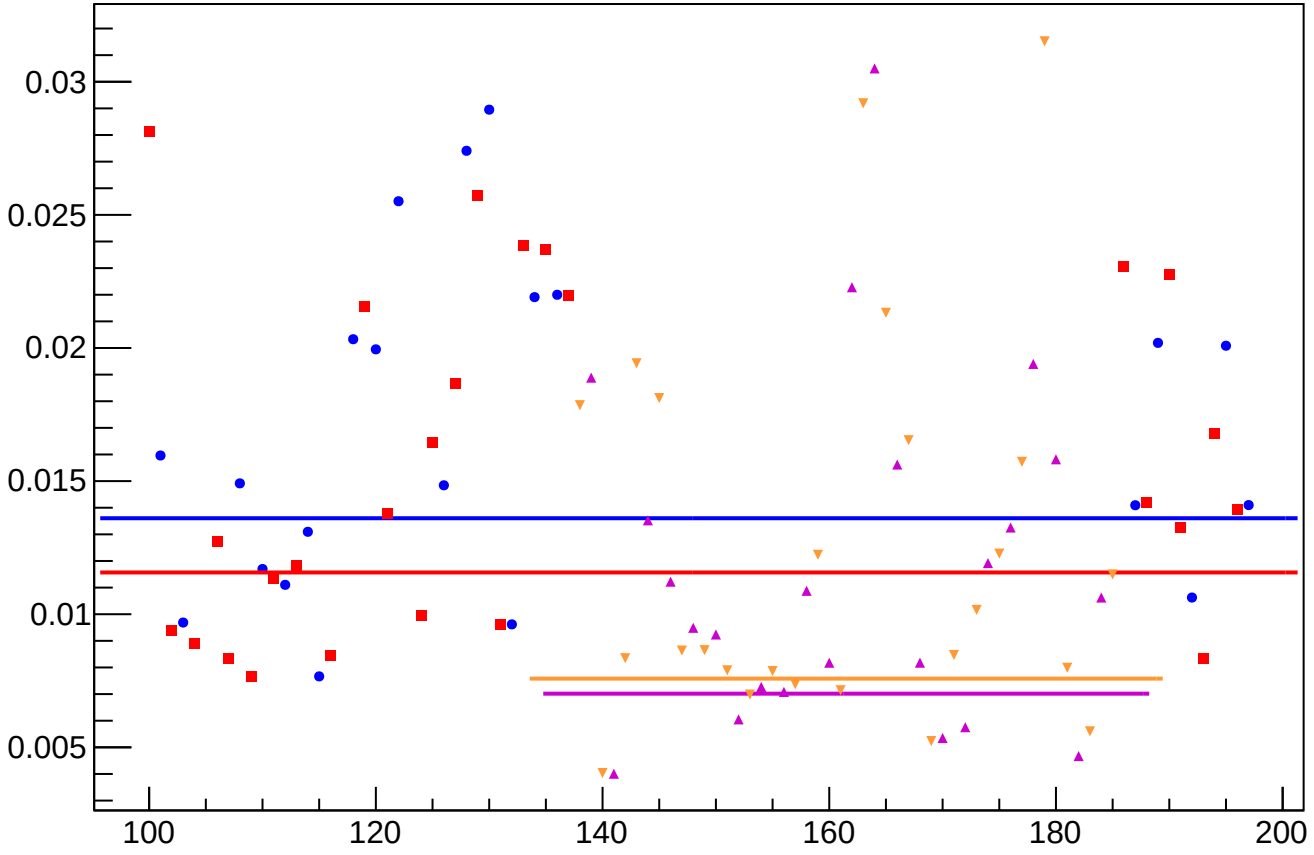
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.2/45

All: -0.000+/-0.000 χ^2/NDF: 128.4/94

- sign -0.000+/-0.000 χ^2/NDF: 59.5/48

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 2291807.3/20

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

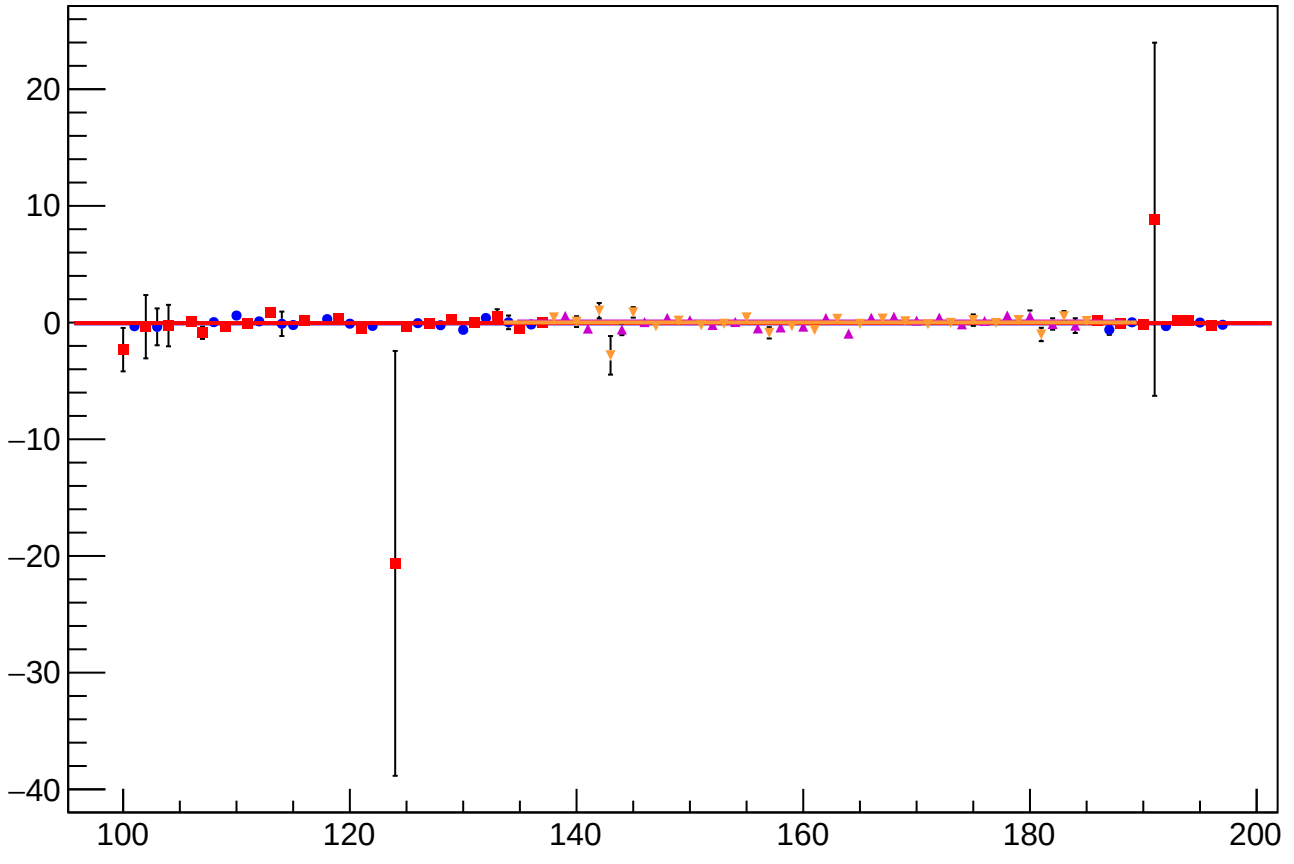
Right Out: 0.012+/-0.000 χ^2/NDF: 2785673.9/25

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 12651843.4/45

All: 0.008+/-0.000 χ^2/NDF: 24744883.2/94

- sign 0.008+/-0.000 χ^2/NDF: 11994162.2/48



Right In: -0.067+/-0.069 χ^2/NDF: 14.3/20

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.043+/-0.056 χ^2/NDF: 27.3/25

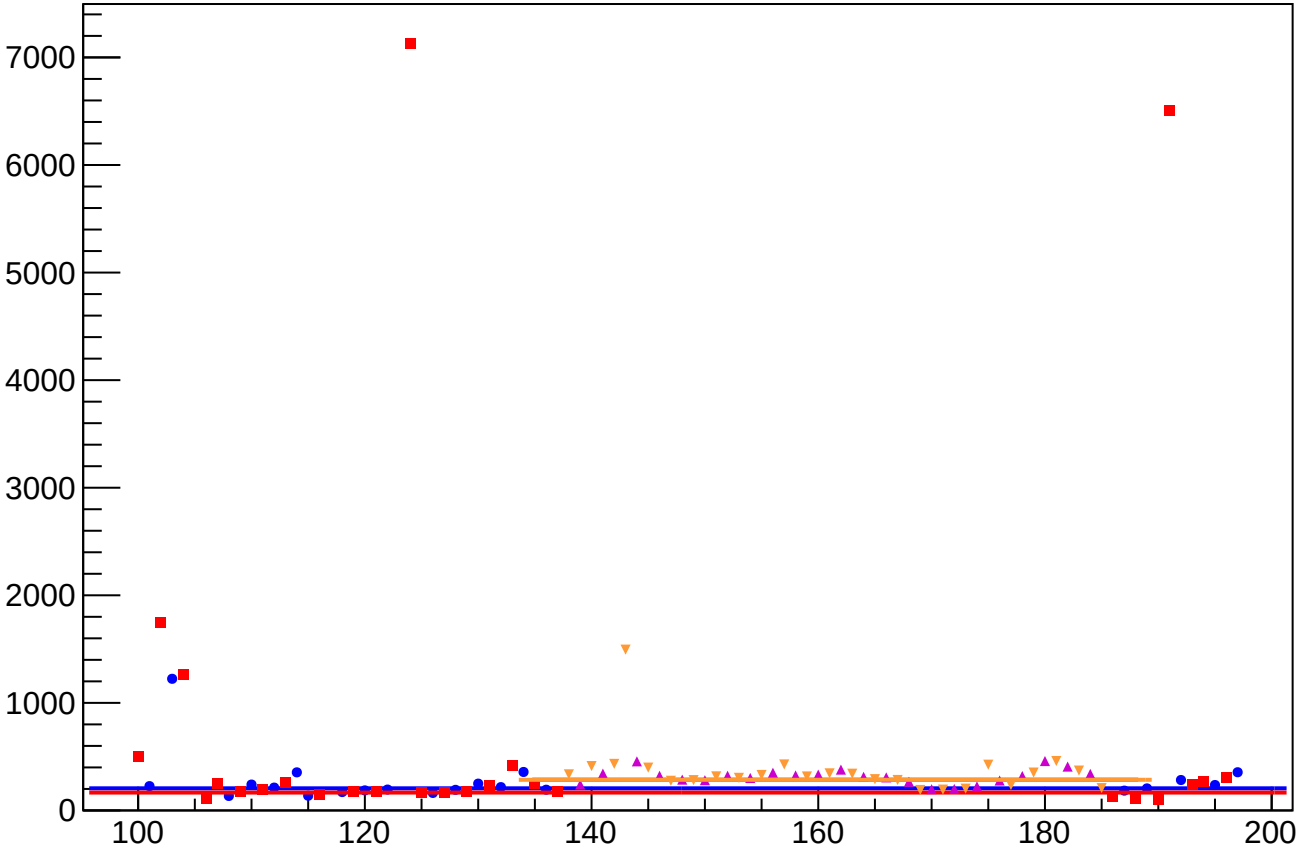
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.027+/-0.049 χ^2/NDF: 43.2/45

All: -0.007+/-0.033 χ^2/NDF: 103.9/94

- sign 0.009+/-0.044 χ^2/NDF: 60.4/48

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 205.810+/-0.048 χ^2/NDF: 1887798.6/20

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

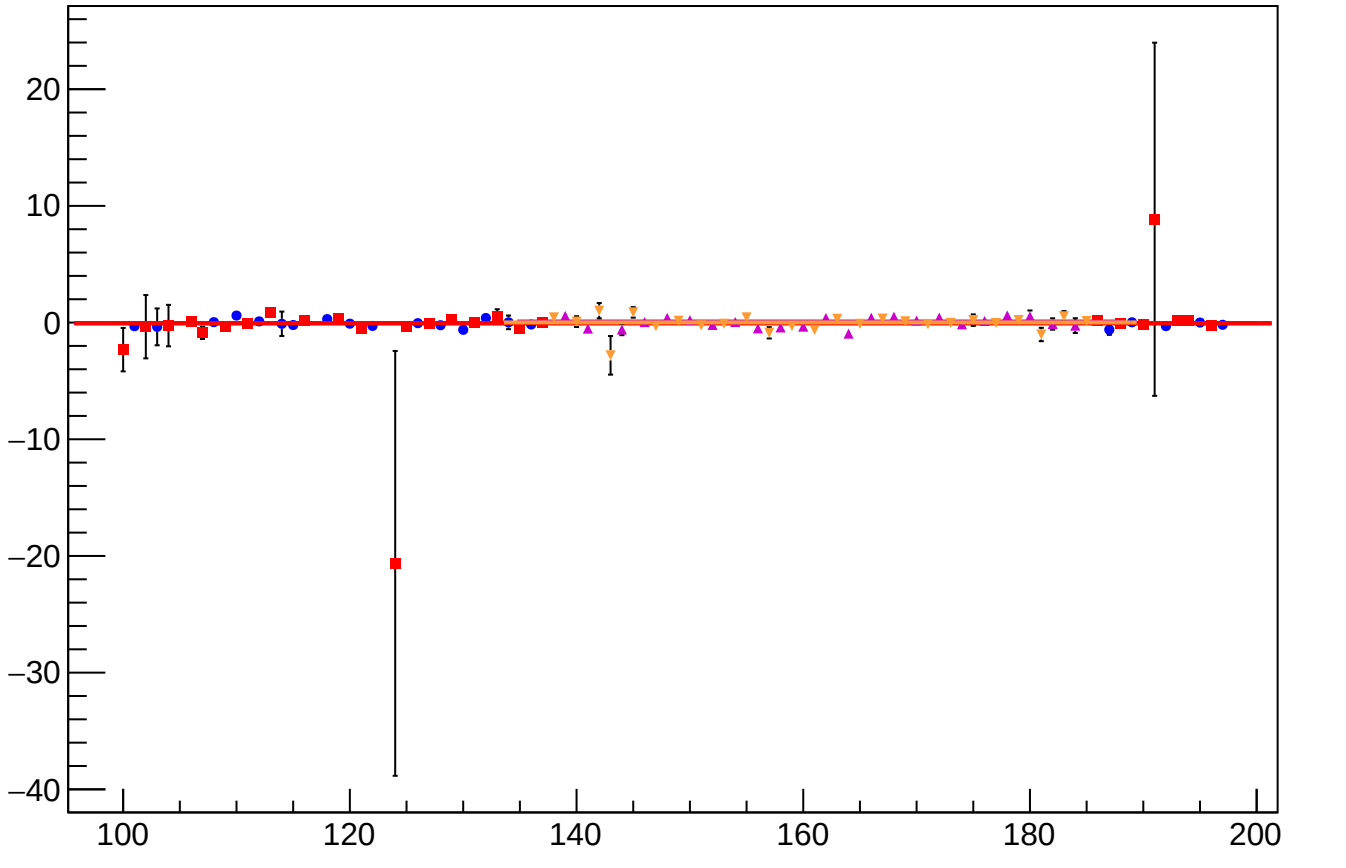
Right Out: 166.351+/-0.040 χ^2/NDF: 4400630.0/25

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 244.693+/-0.035 χ^2/NDF: 6606257.1/45

All: 227.124+/-0.023 χ^2/NDF: 16734138.6/94

- sign 212.933+/-0.031 χ^2/NDF: 9661453.3/48



Right In: -0.067+/-0.069 χ^2/NDF: 14.3/20

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

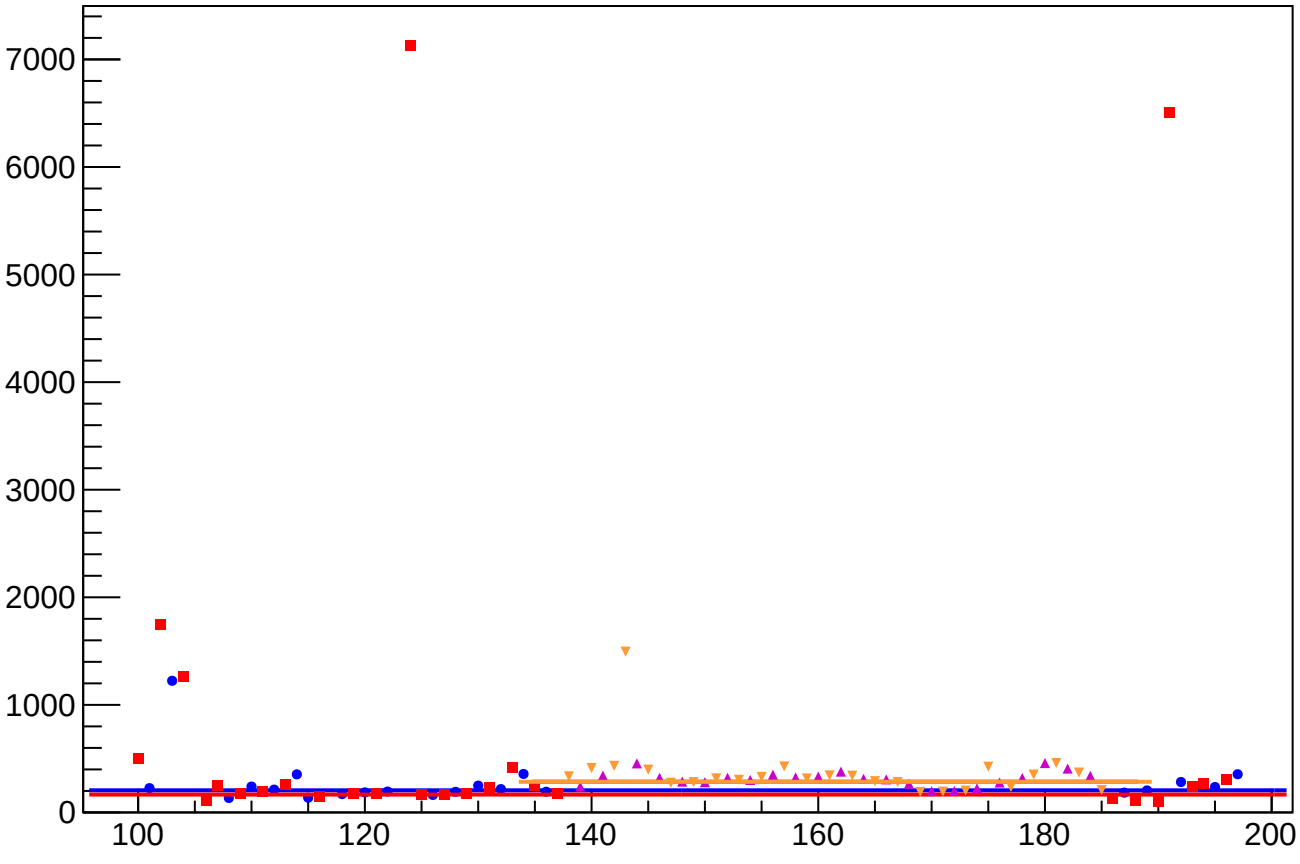
Right Out: -0.043+/-0.056 χ^2/NDF: 27.3/25

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.027+/-0.049 χ^2/NDF: 43.2/45

All: -0.007+/-0.033 χ^2/NDF: 103.9/94

- sign 0.009+/-0.044 χ^2/NDF: 60.4/48



Right In: 205.810+/-0.048 χ^2/NDF: 1887798.6/20

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

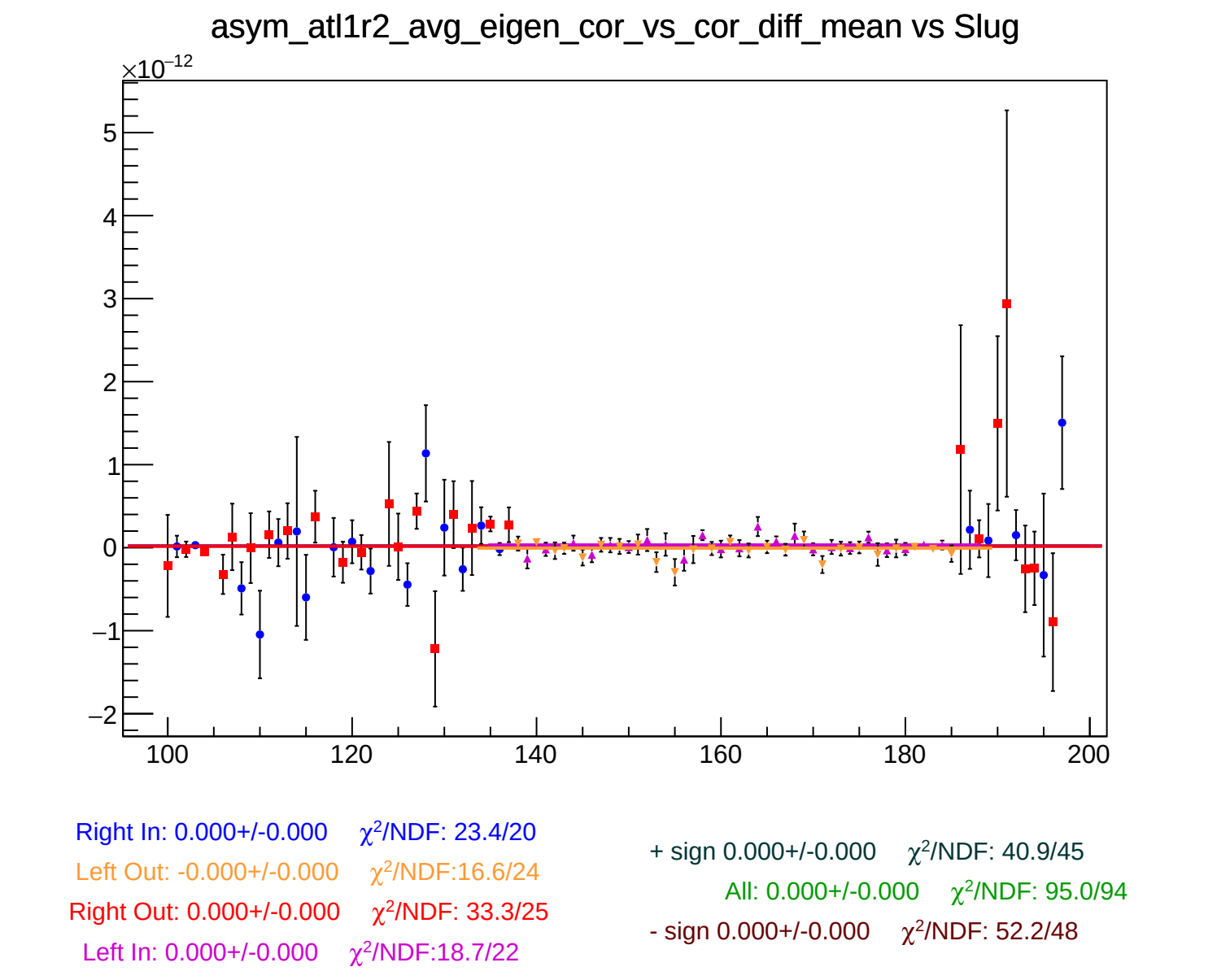
Right Out: 166.351+/-0.040 χ^2/NDF: 4400630.0/25

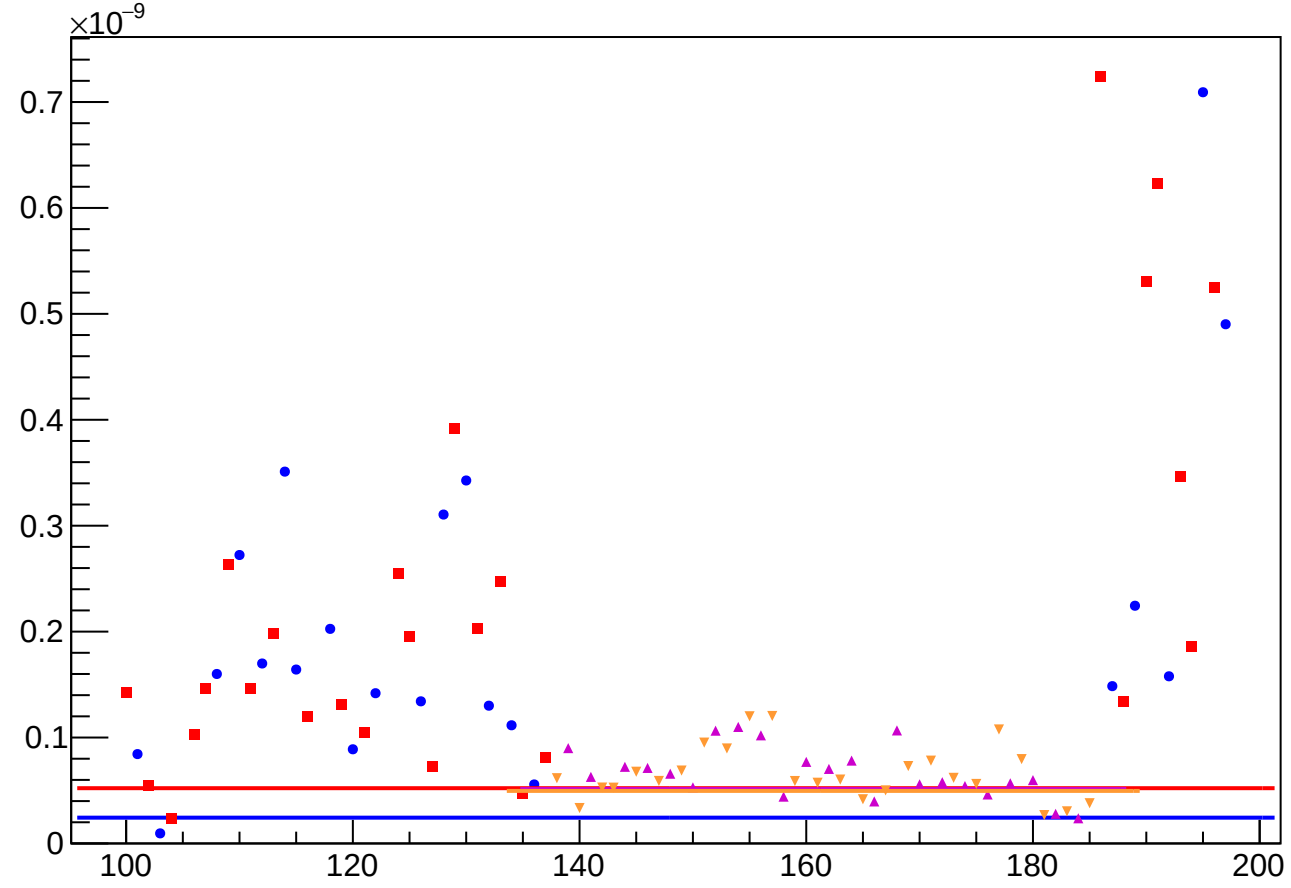
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 244.693+/-0.035 χ^2/NDF: 6606257.1/45

All: 227.124+/-0.023 χ^2/NDF: 16734138.6/94

- sign 212.933+/-0.031 χ^2/NDF: 9661453.3/48


asym_atl1r2_avg_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: 23.4/20
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.3/25
Left In: 0.000+/-0.000 χ²/NDF:18.7/22
+ sign 0.000+/-0.000 χ²/NDF: 40.9/45
All: 0.000+/-0.000 χ²/NDF: 95.0/94
- sign 0.000+/-0.000 χ²/NDF: 52.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 9020048.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6951461.9/25

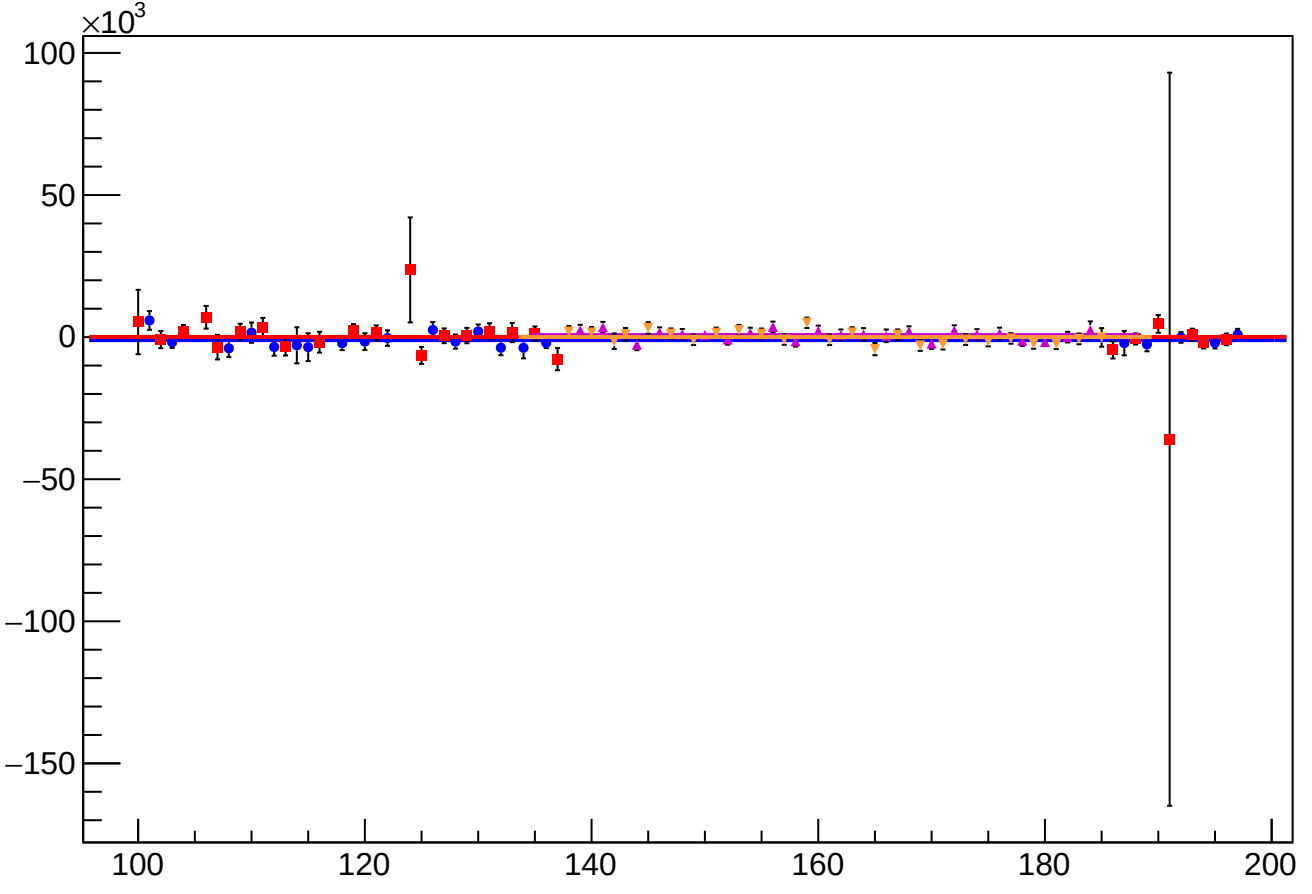
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14877030.5/45

All: 0.000+/-0.000 χ^2/NDF: 26168322.5/94

- sign 0.000+/-0.000 χ^2/NDF: 10612142.9/48

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1047.580+/-569.720 χ^2/NDF: 14.1/20

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 62.718+/-557.276 χ^2/NDF: 26.6/25

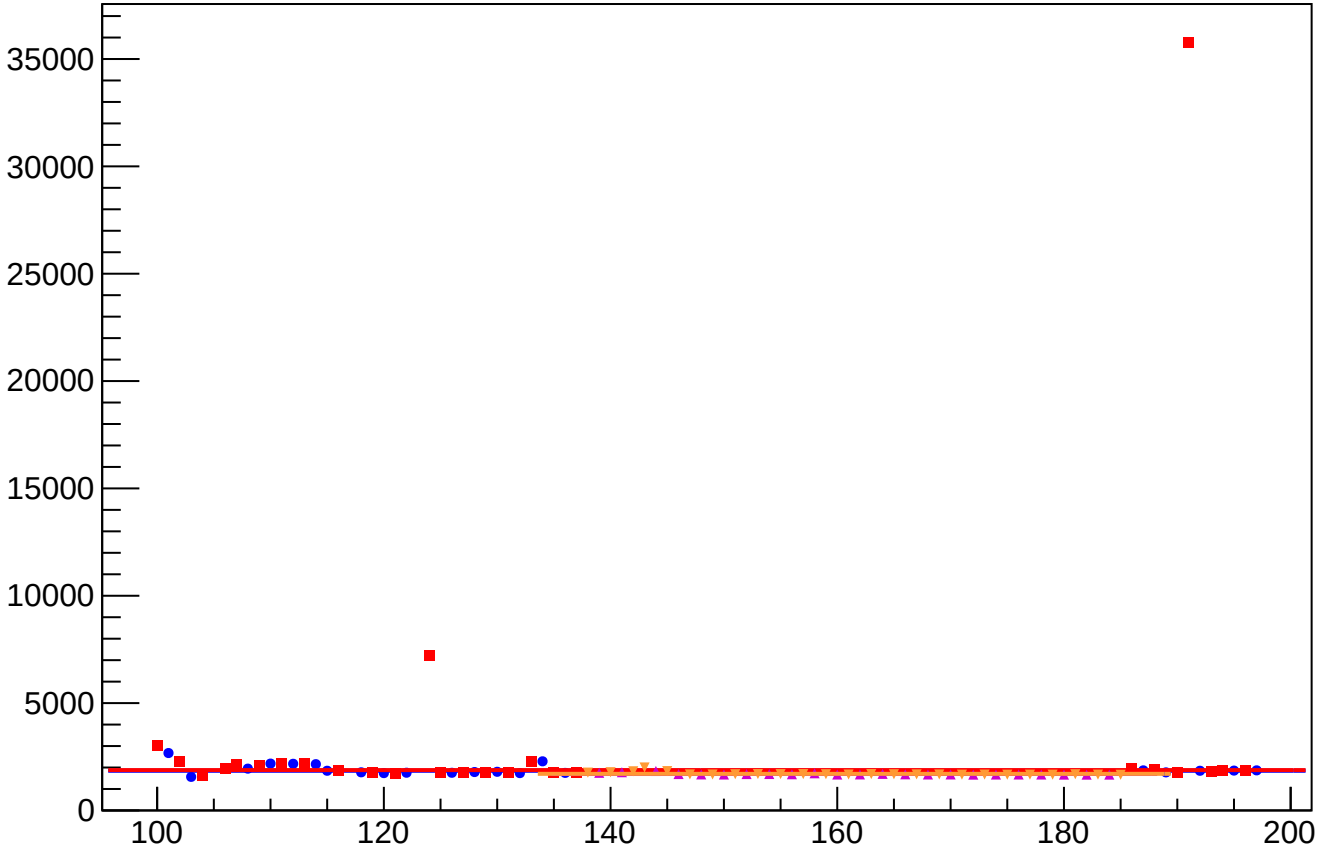
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -315.817+/-320.542 χ^2/NDF: 46.0/45

All: 88.326+/-227.537 χ^2/NDF: 95.7/94

- sign 498.802+/-323.043 χ^2/NDF: 46.6/48

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1848.702+/-0.403 χ^2/NDF: 262136.3/20

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1880.005+/-0.393 χ^2/NDF: 510833.2/25

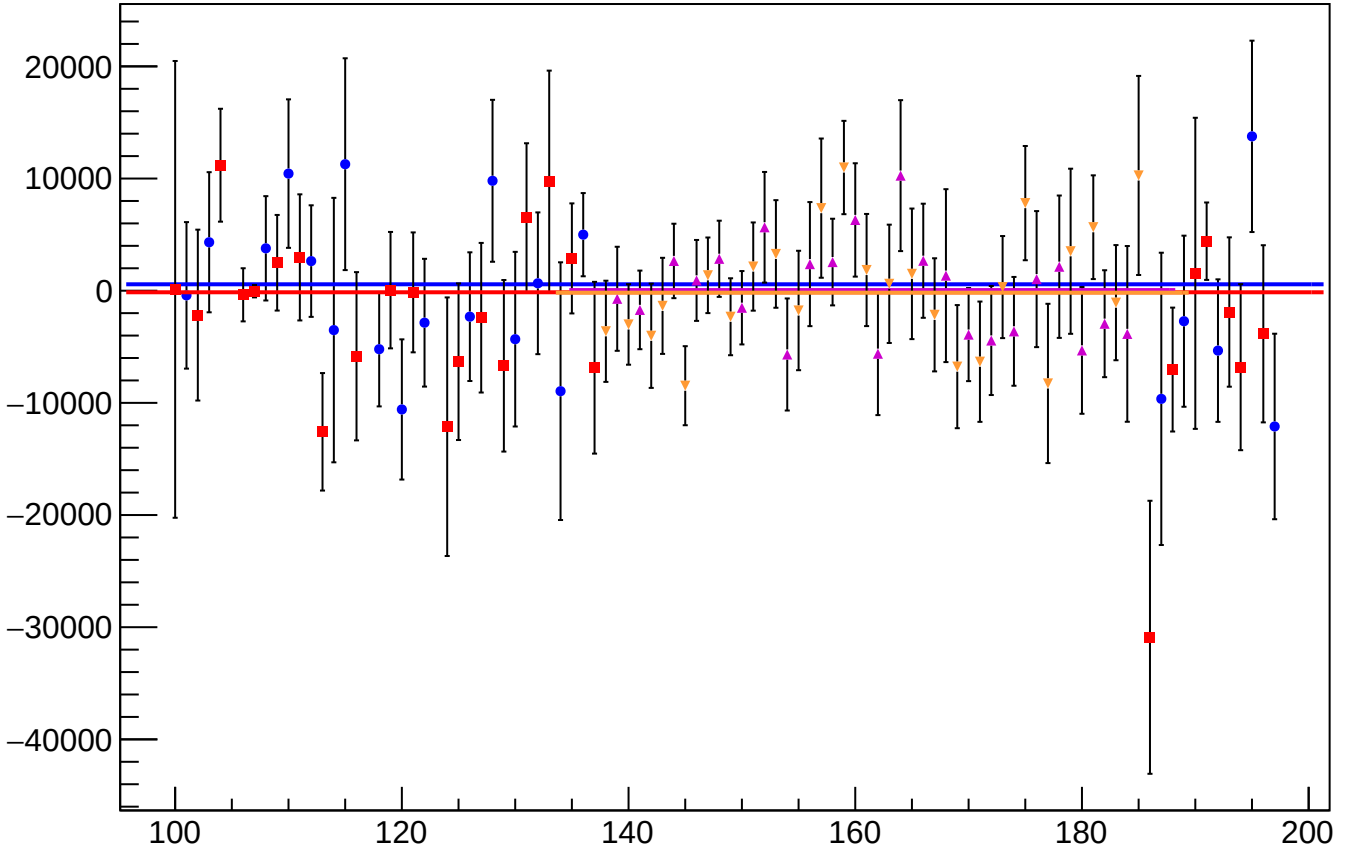
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1750.923+/-0.227 χ^2/NDF: 408262.1/45

All: 1754.910+/-0.161 χ^2/NDF: 1083541.5/94

- sign 1758.955+/-0.228 χ^2/NDF: 674656.0/48

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 572.146+/-1387.541 χ^2/NDF: 20.3/20

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -140.019+/-494.108 χ^2/NDF: 28.8/25

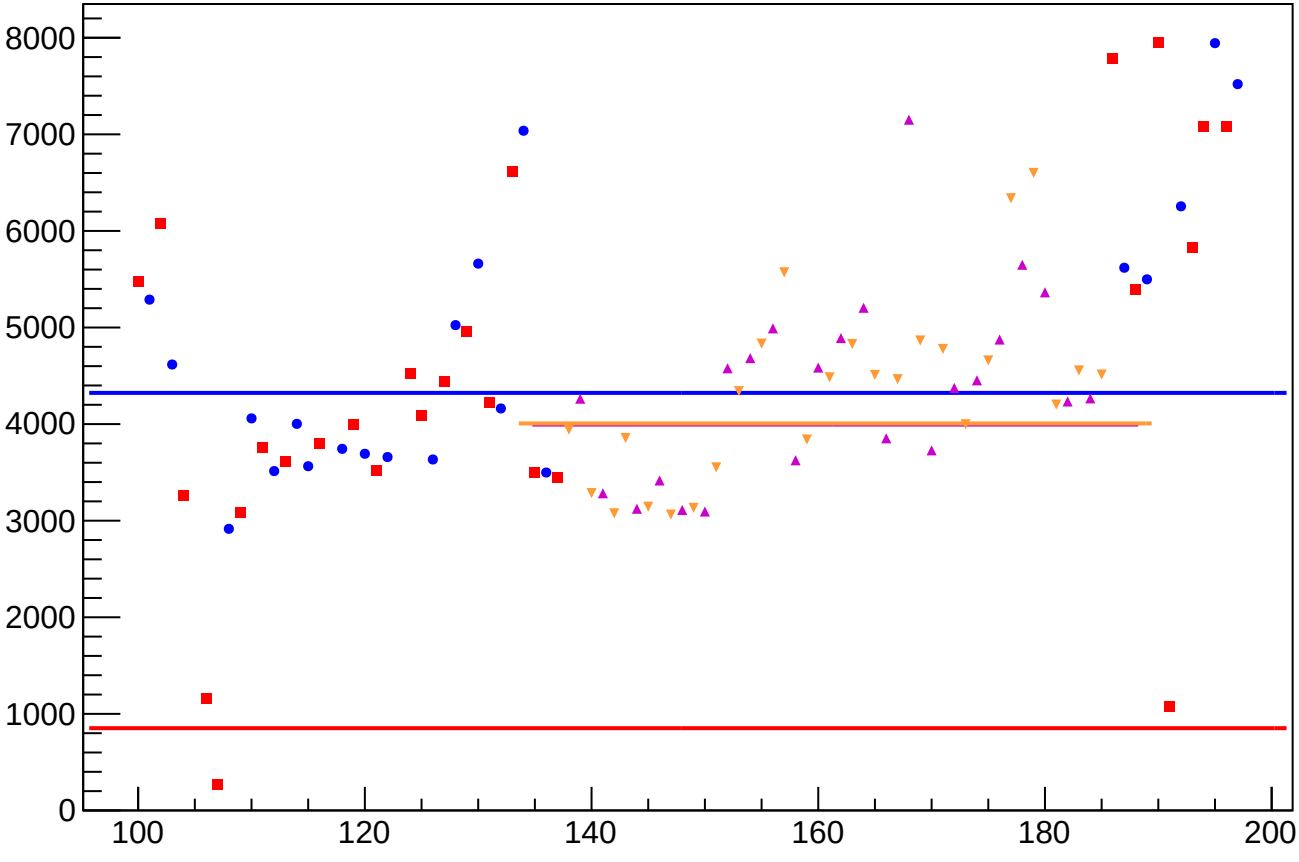
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 57.832+/-775.466 χ^2/NDF: 48.4/45

All: -60.656+/-382.020 χ^2/NDF: 91.5/94

- sign -98.627+/-438.983 χ^2/NDF: 43.1/48

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4323.266+/-0.981 χ^2/NDF: 1605294.2/20

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 851.890+/-0.349 χ^2/NDF: 17095068.5/25

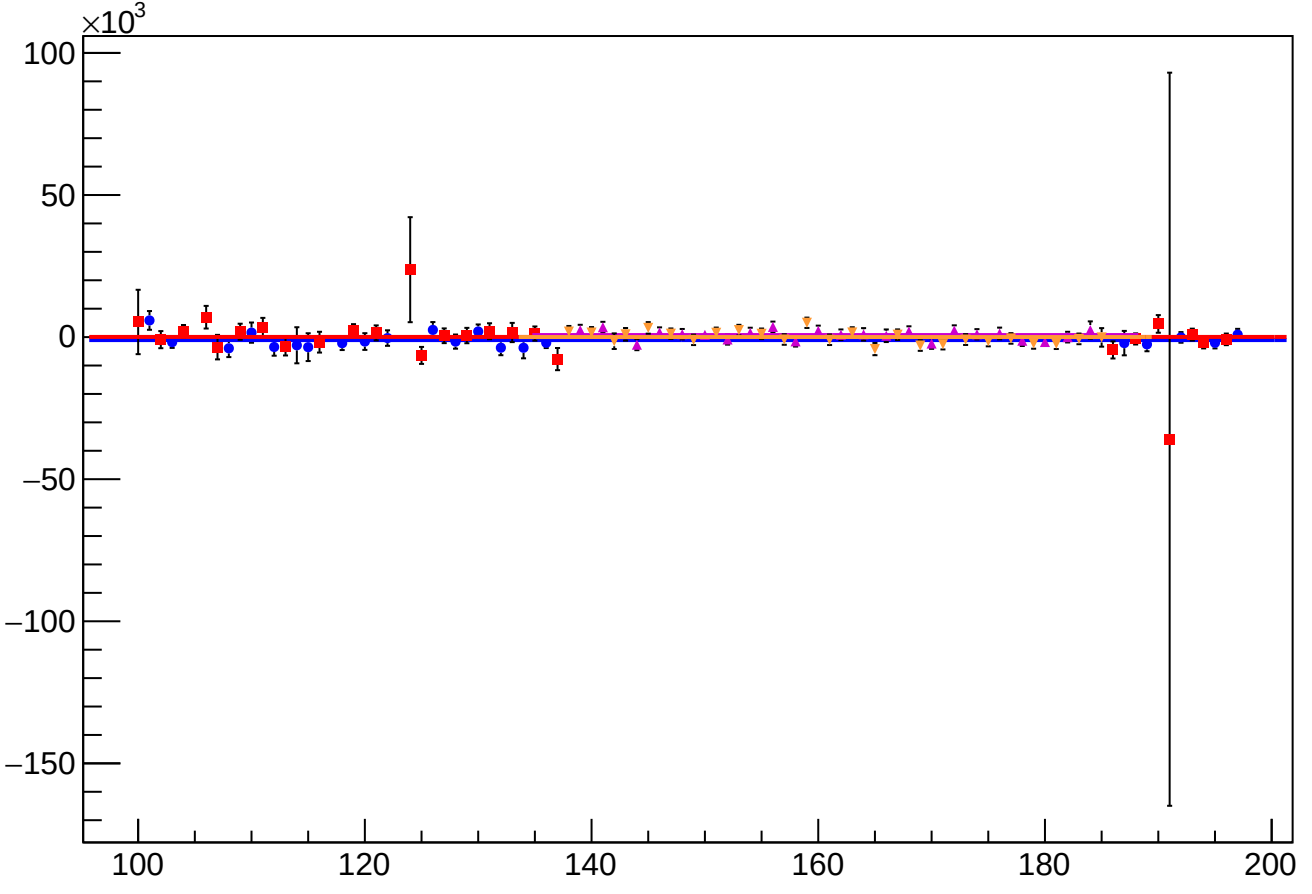
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4105.783+/-0.548 χ^2/NDF: 3180424.6/45

All: 2143.051+/-0.270 χ^2/NDF: 55781705.2/9

- sign 1514.080+/-0.310 χ^2/NDF: 35683220.8/48

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1047.336+/-569.720 χ^2/NDF: 14.1/20

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 62.934+/-557.277 χ^2/NDF: 26.6/25

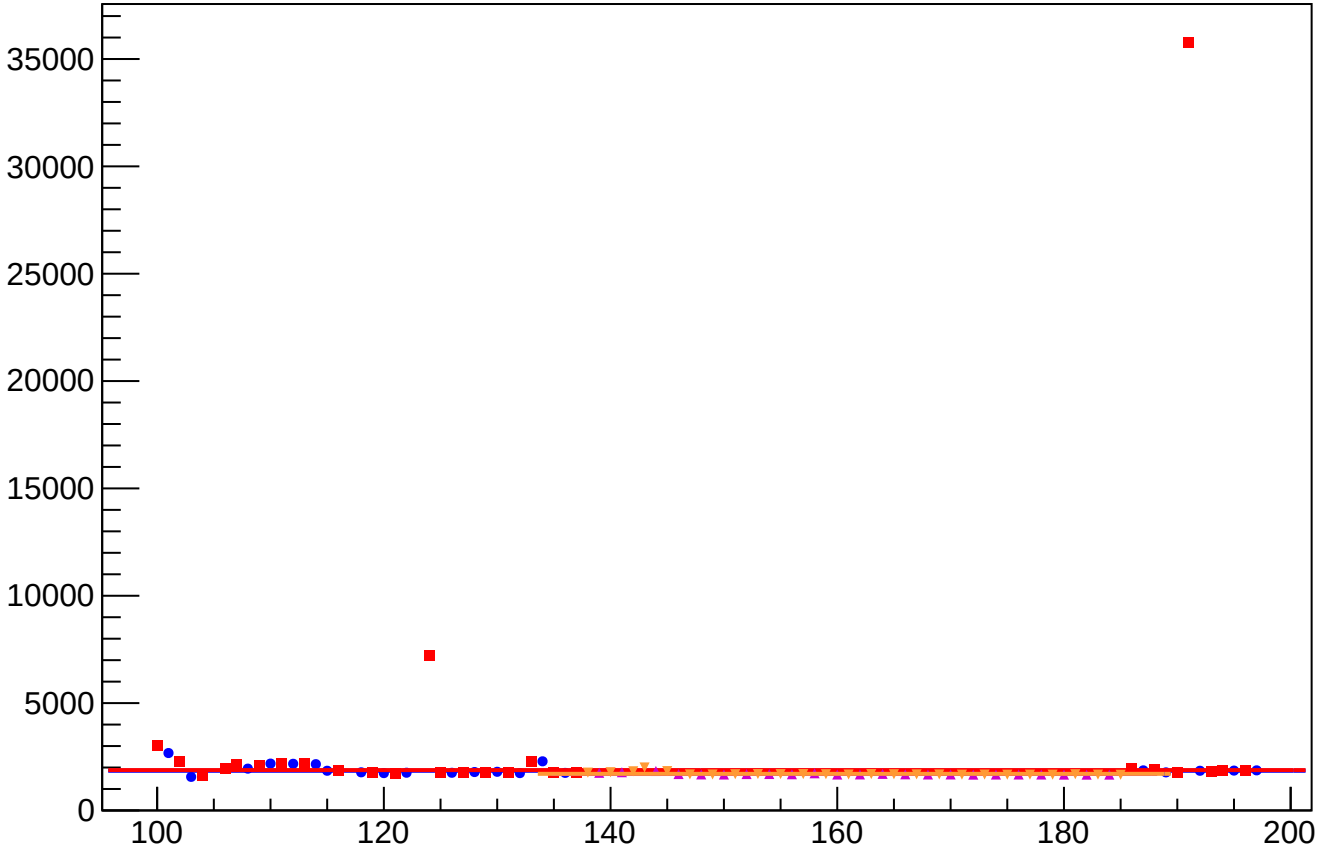
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

\+ sign -315.691+/-320.542 χ^2/NDF: 46.0/45

All: 88.385+/-227.537 χ^2/NDF: 95.8/94

\- sign 498.793+/-323.044 χ^2/NDF: 46.6/48

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1848.702+/-0.403 χ^2/NDF: 262135.4/20

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1880.288+/-0.394 χ^2/NDF: 511088.2/25

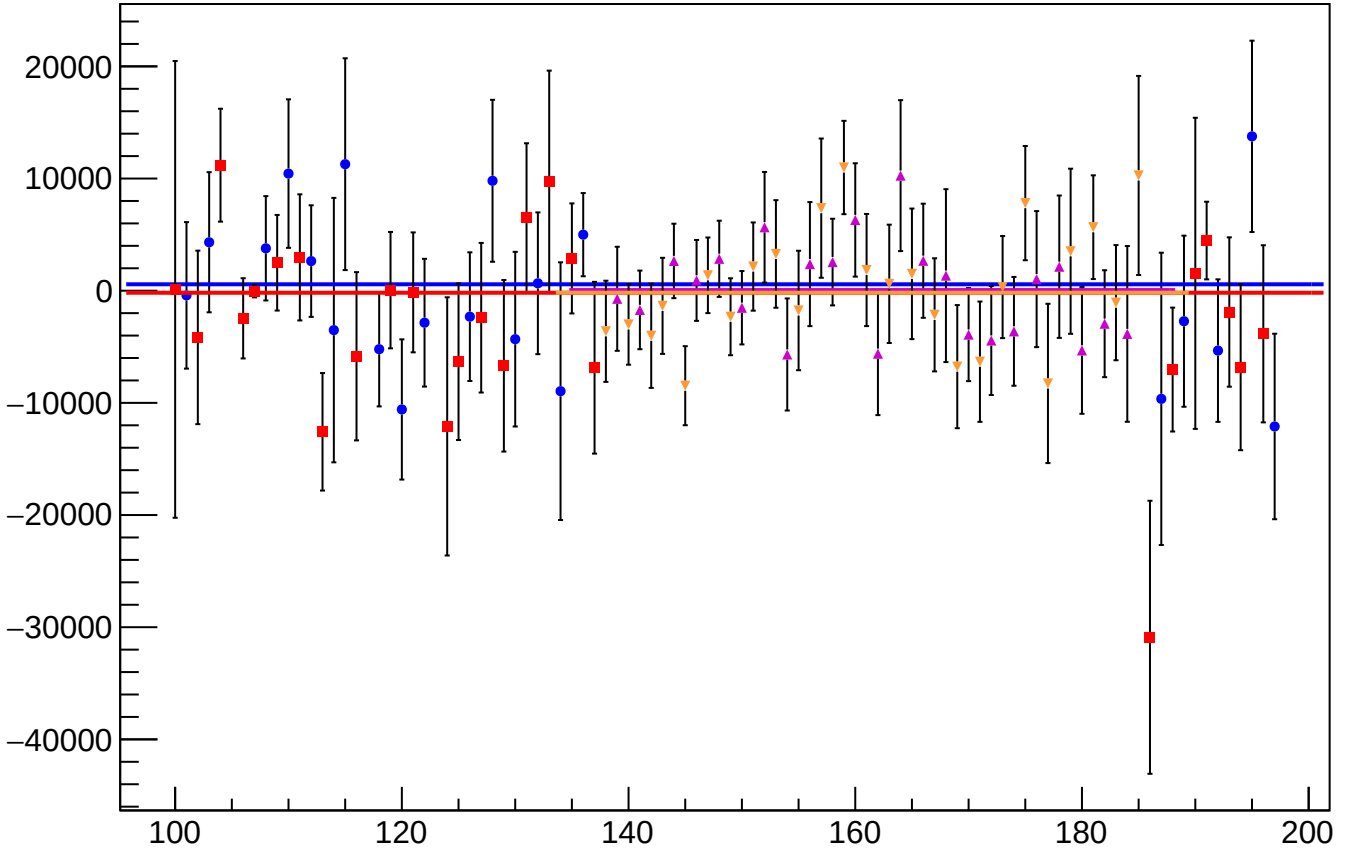
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1750.923+/-0.227 χ^2/NDF: 408261.6/45

All: 1754.951+/-0.161 χ^2/NDF: 1084225.5/94

- sign 1759.039+/-0.228 χ^2/NDF: 675327.6/48

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 572.119+/-1387.546 χ^2/NDF: 20.3/20

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -182.345+/-500.287 χ^2/NDF: 29.4/25

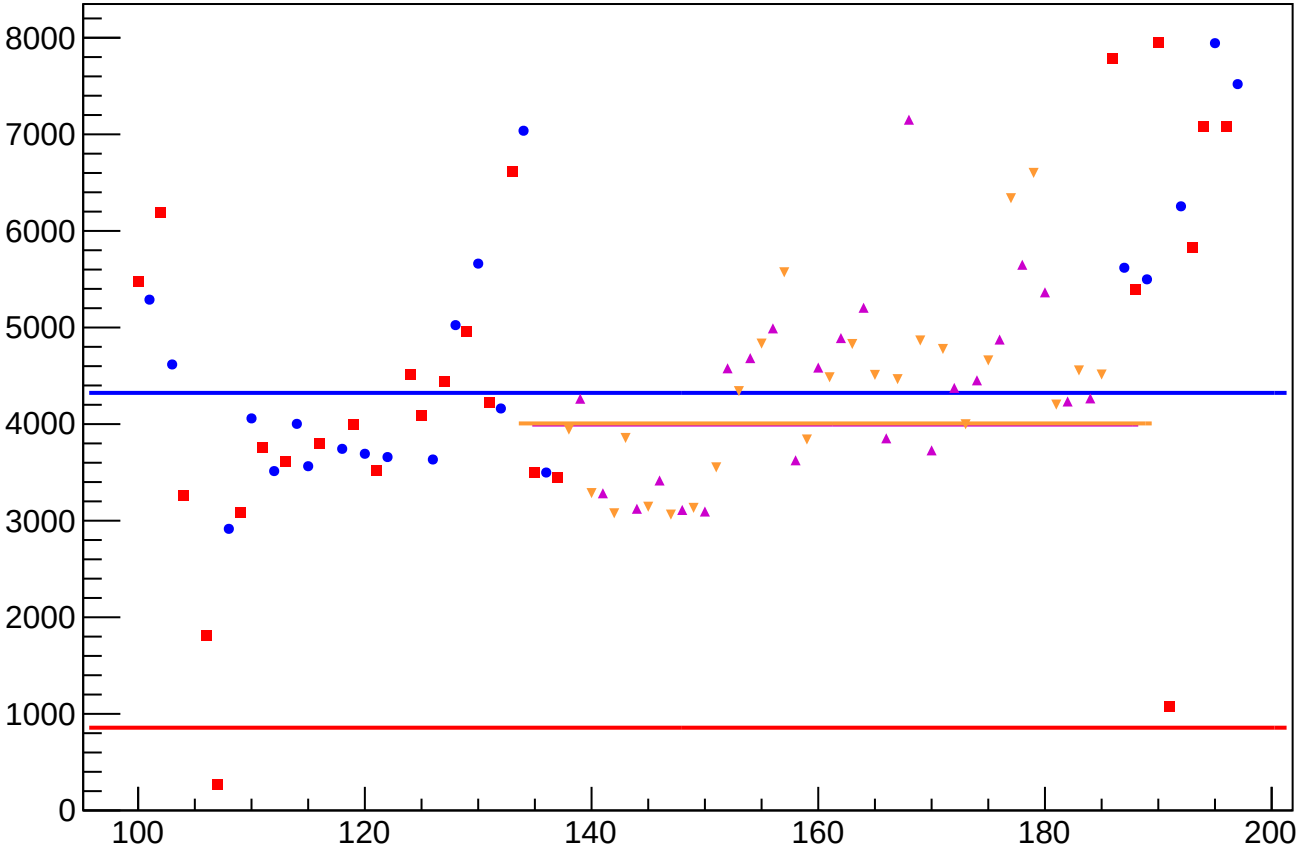
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 57.838+/-775.466 χ^2/NDF: 48.4/45

All: -84.532+/-384.854 χ^2/NDF: 92.2/94

- sign -131.057+/-443.299 χ^2/NDF: 43.7/48

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4323.276+/-0.981 χ^2/NDF: 1605314.9/20

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 856.824+/-0.354 χ^2/NDF: 17216593.8/25

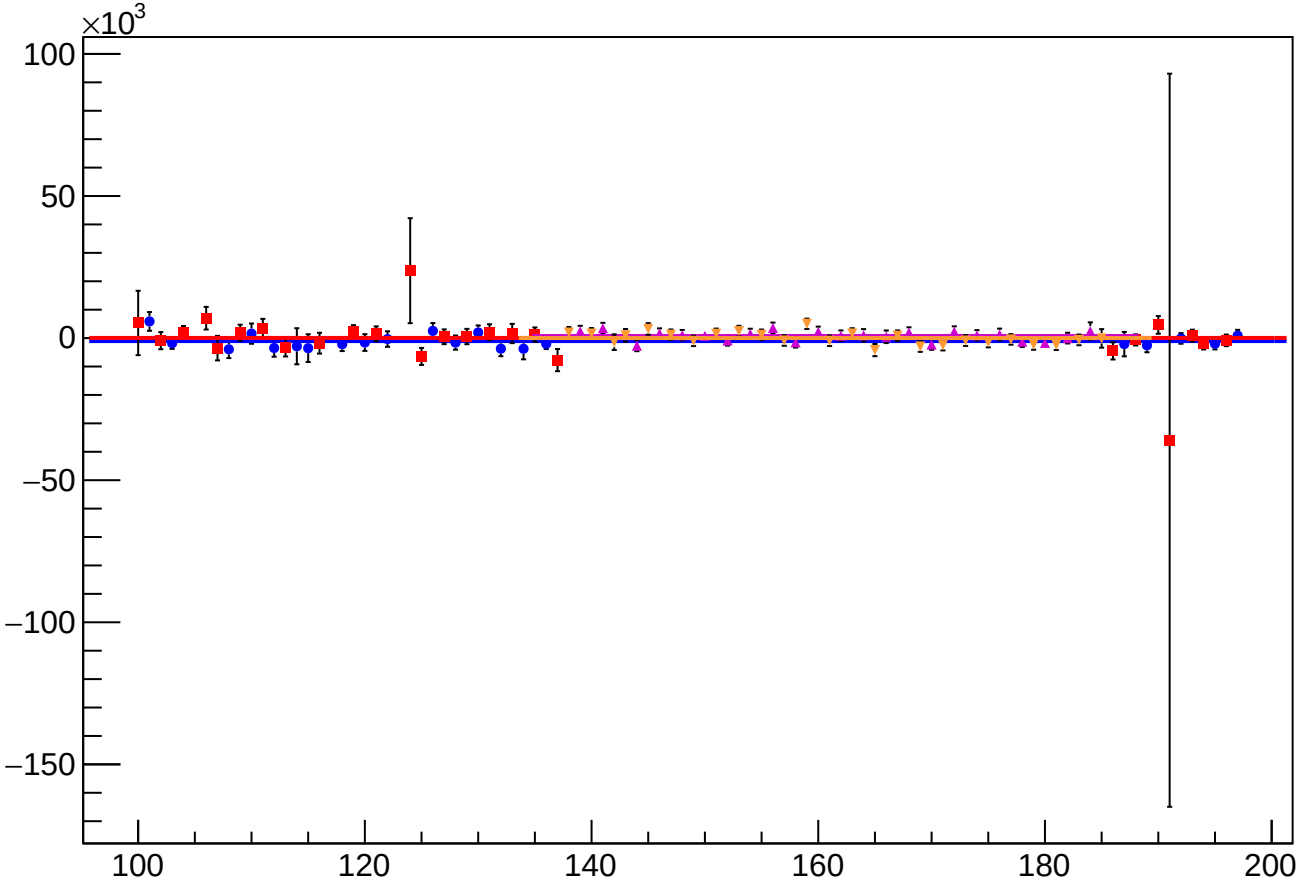
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4105.780+/-0.548 χ^2/NDF: 3180474.0/45

All: 2165.200+/-0.272 χ^2/NDF: 55459717.6/9

- sign 1531.039+/-0.313 χ^2/NDF: 35661598.8/48

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1047.336+/-569.720 χ^2/NDF: 14.1/20

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 62.934+/-557.277 χ^2/NDF: 26.6/25

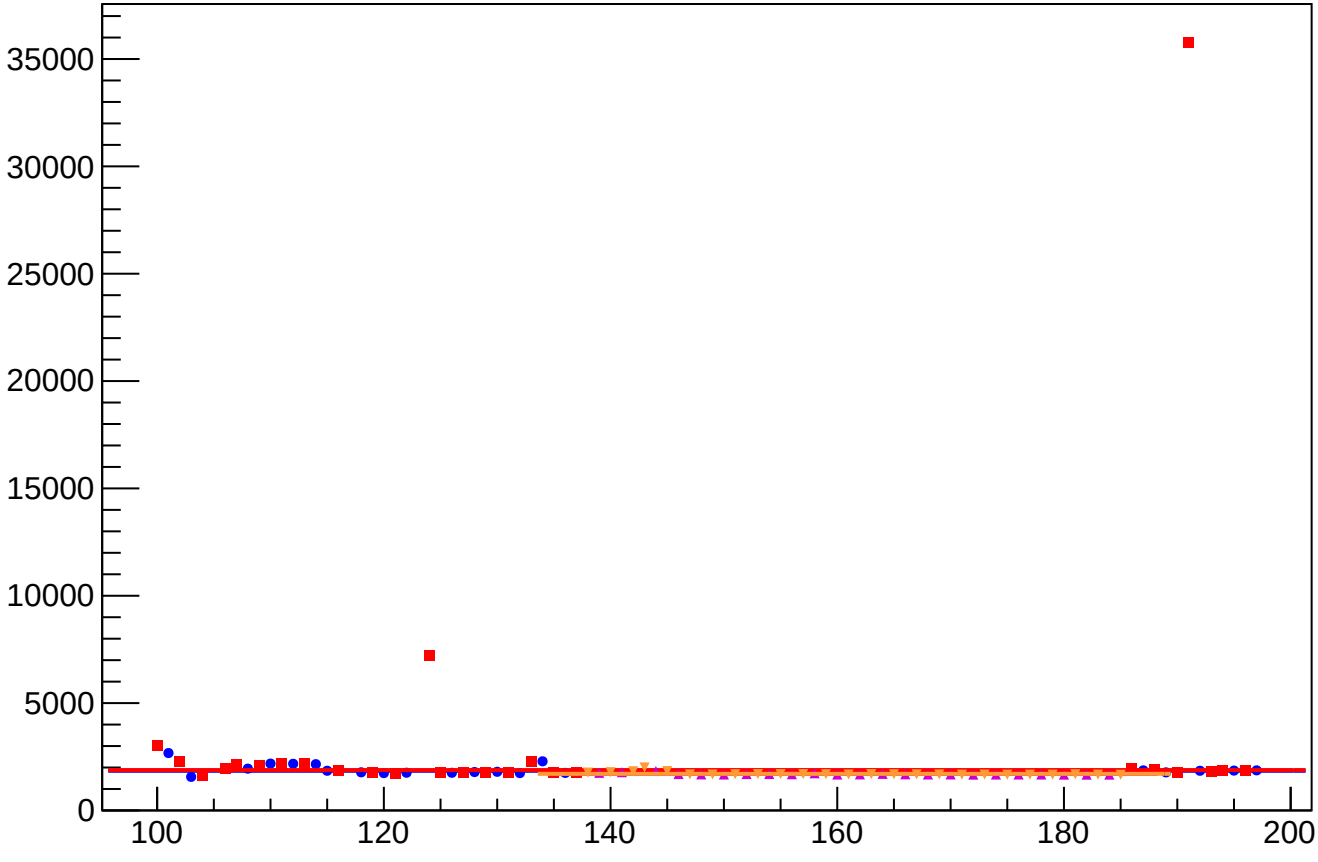
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -315.691+/-320.542 χ^2/NDF: 46.0/45

All: 88.385+/-227.537 χ^2/NDF: 95.8/94

- sign 498.793+/-323.044 χ^2/NDF: 46.6/48

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1848.702+/-0.403 χ^2/NDF: 262135.4/20

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1880.288+/-0.394 χ^2/NDF: 511088.2/25

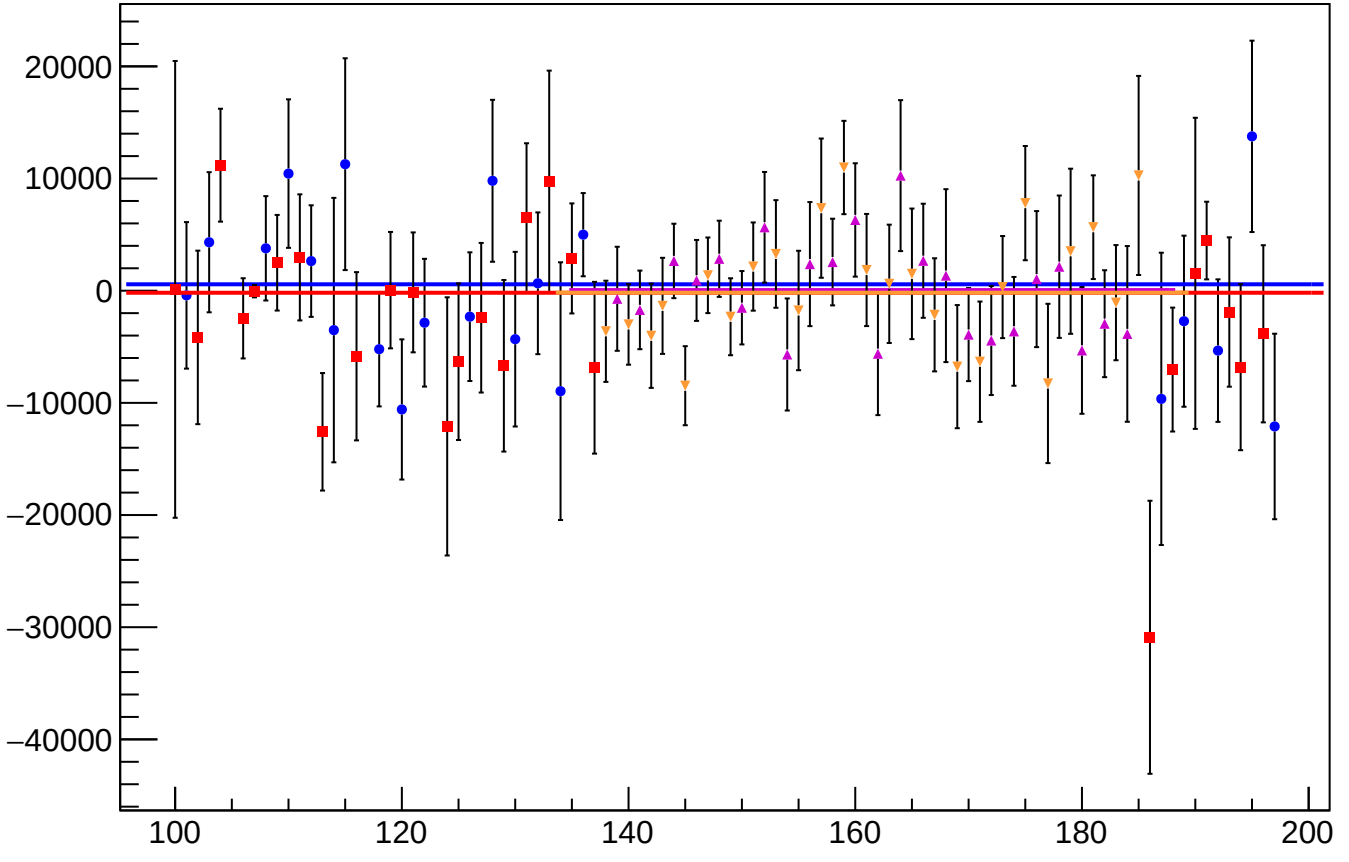
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1750.923+/-0.227 χ^2/NDF: 408261.6/45

All: 1754.951+/-0.161 χ^2/NDF: 1084225.5/94

- sign 1759.039+/-0.228 χ^2/NDF: 675327.6/48

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: 572.119+/-1387.546 χ^2/NDF: 20.3/20

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -182.345+/-500.287 χ^2/NDF: 29.4/25

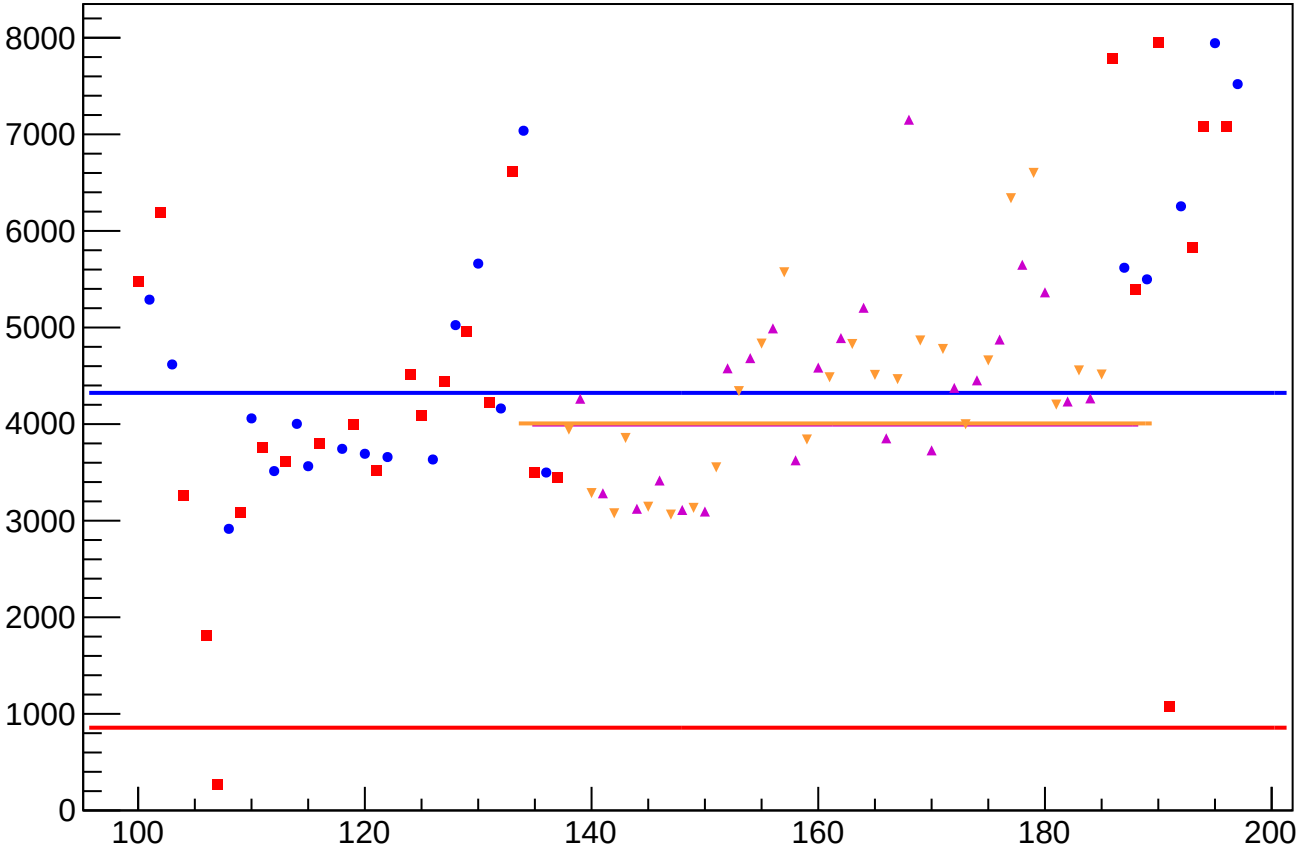
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 57.838+/-775.466 χ^2/NDF: 48.4/45

All: -84.532+/-384.854 χ^2/NDF: 92.2/94

- sign -131.057+/-443.299 χ^2/NDF: 43.7/48

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4323.276+/-0.981 χ^2/NDF: 1605314.9/20

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 856.824+/-0.354 χ^2/NDF: 17216593.8/25

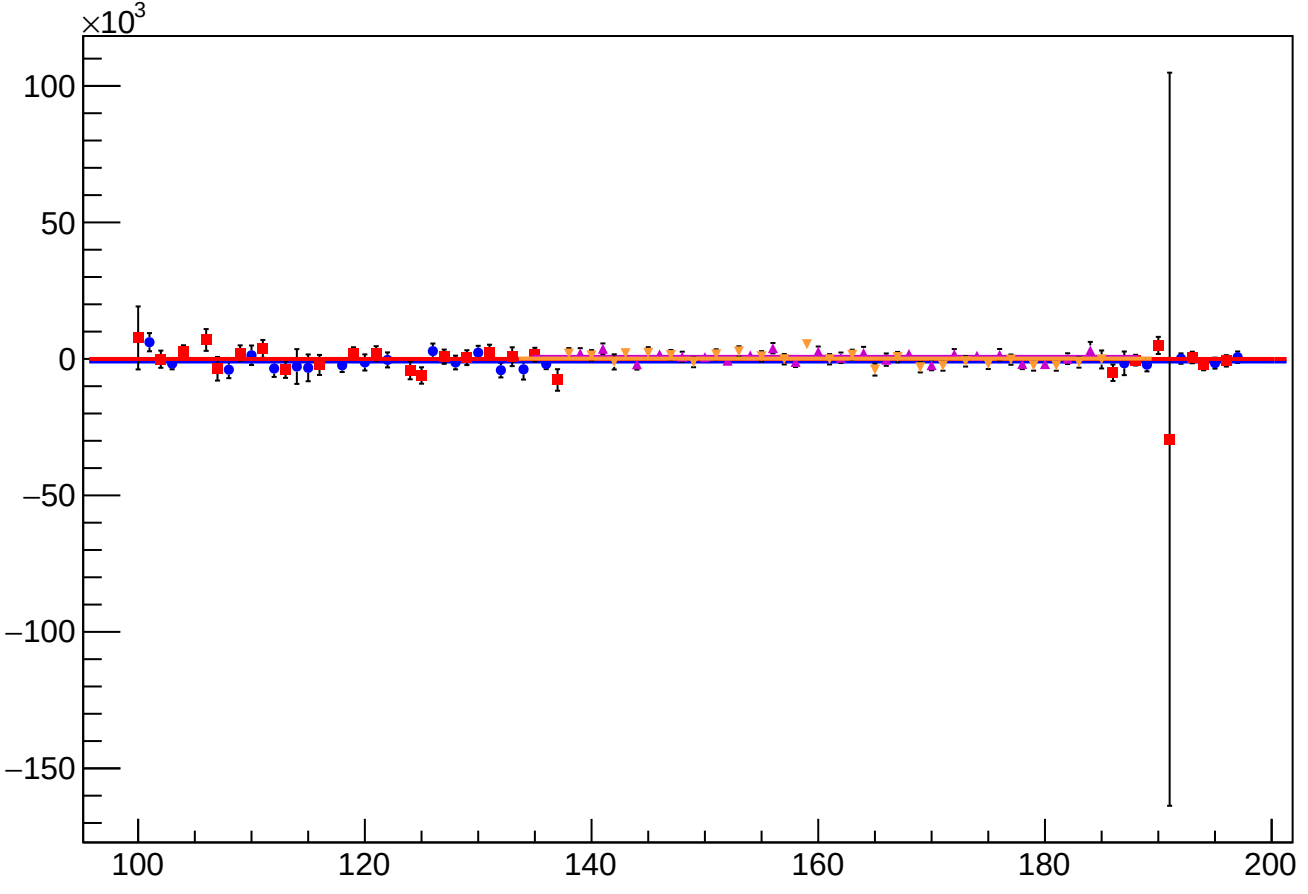
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4105.780+/-0.548 χ^2/NDF: 3180474.0/45

All: 2165.200+/-0.272 χ^2/NDF: 55459717.6/9

- sign 1531.039+/-0.313 χ^2/NDF: 35661598.8/48

dit_asym_atl1r2_dd_mean vs Slug



Right In: -952.742+/-576.020 χ^2/NDF: 14.4/20

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -19.640+/-556.311 χ^2/NDF: 28.0/25

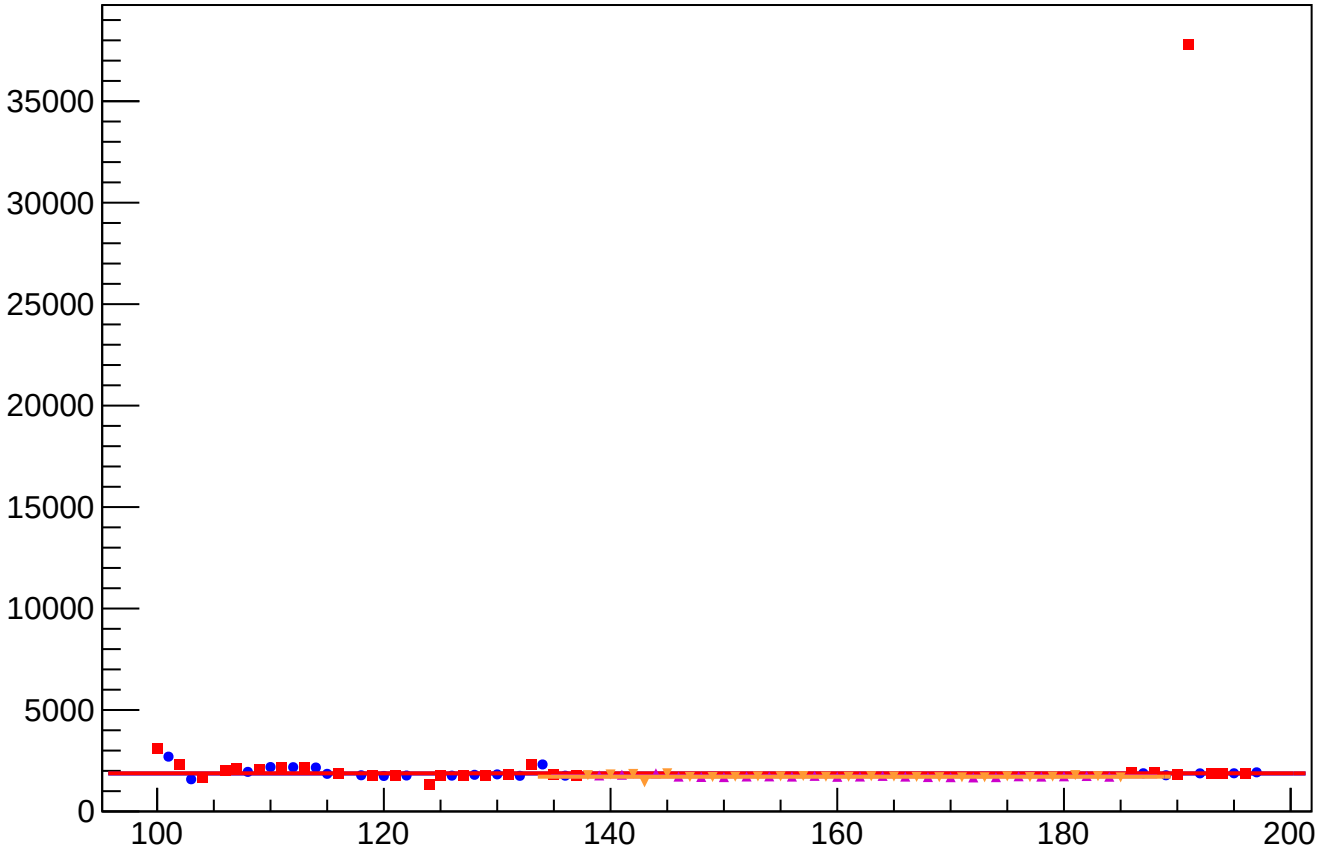
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -216.572+/-322.634 χ^2/NDF: 46.5/45

All: 126.241+/-229.658 χ^2/NDF: 97.0/94

- sign 478.350+/-326.979 χ^2/NDF: 48.2/48

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1868.920+/-0.407 χ^2/NDF: 260442.1/20

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

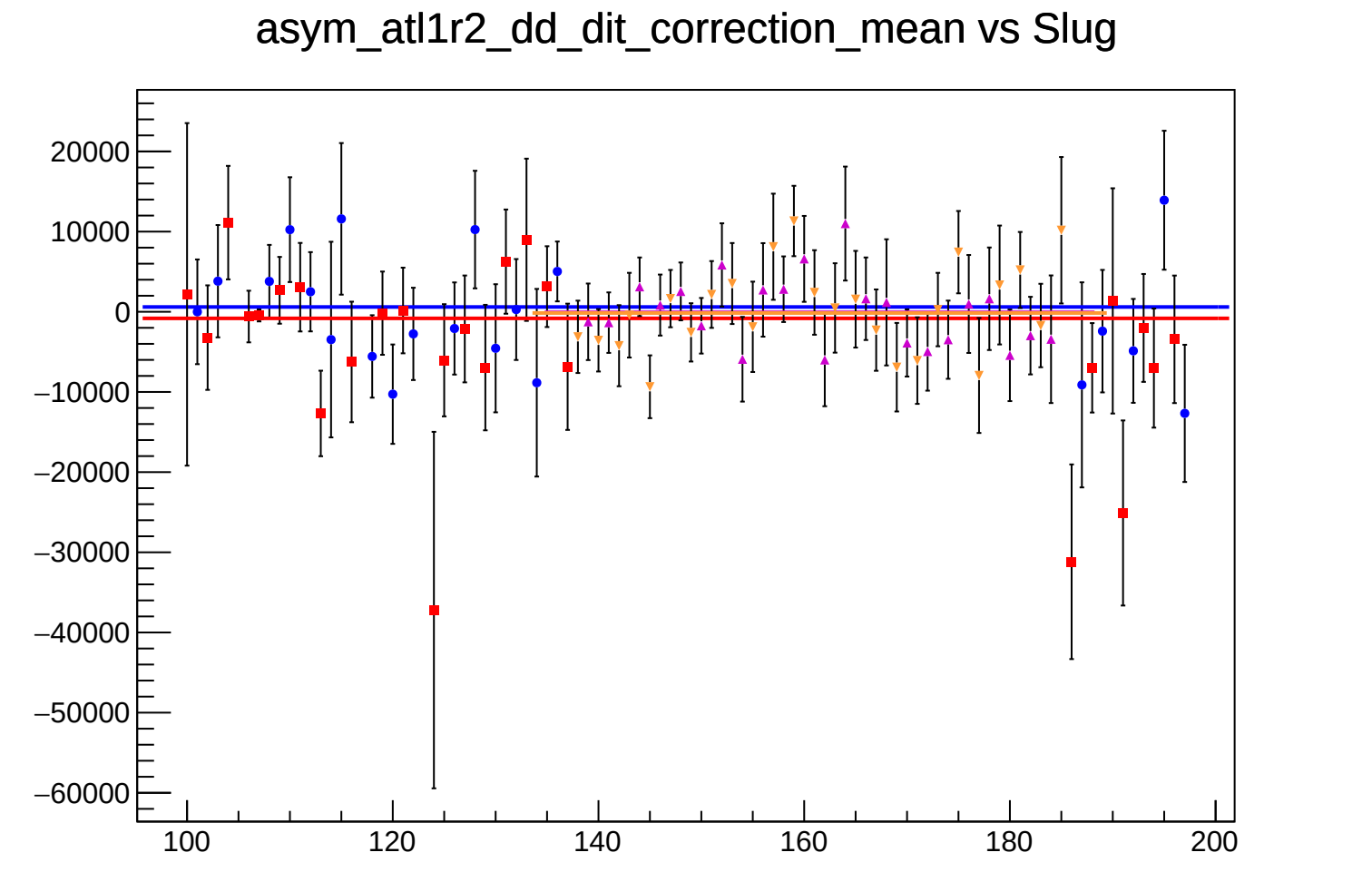
Right Out: 1879.897+/-0.393 χ^2/NDF: 407982.9/25

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

\+ sign 1761.442+/-0.228 χ^2/NDF: 456300.7/45

All: 1771.607+/-0.162 χ^2/NDF: 986056.9/94

\- sign 1782.044+/-0.231 χ^2/NDF: 525732.6/48



Right In: 599.978+/-1398.456 χ^2/NDF: 20.0/20

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -820.526+/-643.676 χ^2/NDF: 29.9/25

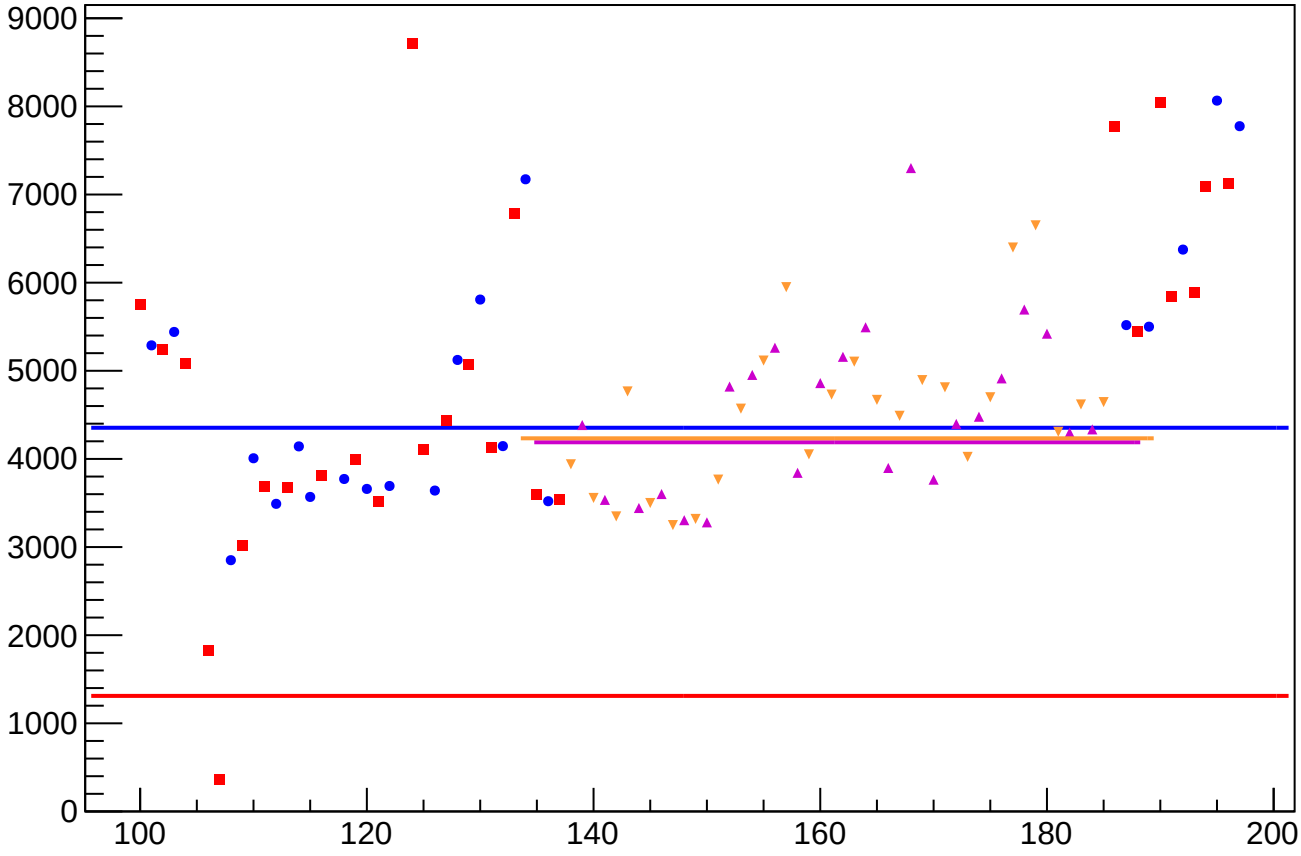
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 98.573+/-805.286 χ^2/NDF: 47.1/45

All: -382.120+/-449.220 χ^2/NDF: 91.9/94

- sign -599.281+/-541.261 χ^2/NDF: 44.4/48

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4353.626+/-0.989 χ^2/NDF: 1745390.1/20

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1311.213+/-0.455 χ^2/NDF: 15449753.5/25

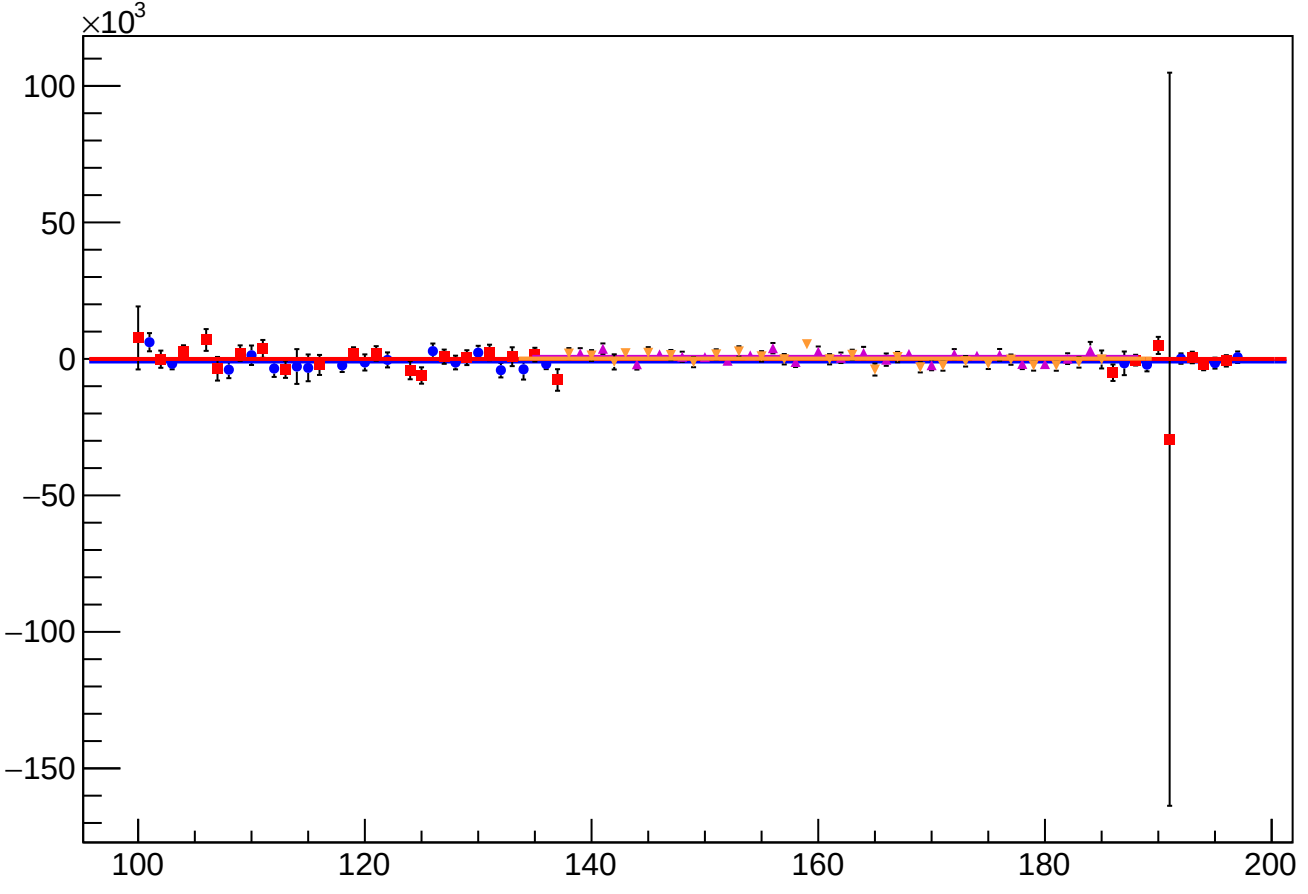
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4273.603+/-0.569 χ^2/NDF: 3039970.8/45

All: 2813.644+/-0.318 χ^2/NDF: 41086199.7/9

- sign 2154.084+/-0.383 χ^2/NDF: 28502734.1/48

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -952.743+/-576.019 χ^2/NDF: 14.4/20

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -19.637+/-556.311 χ^2/NDF: 28.0/25

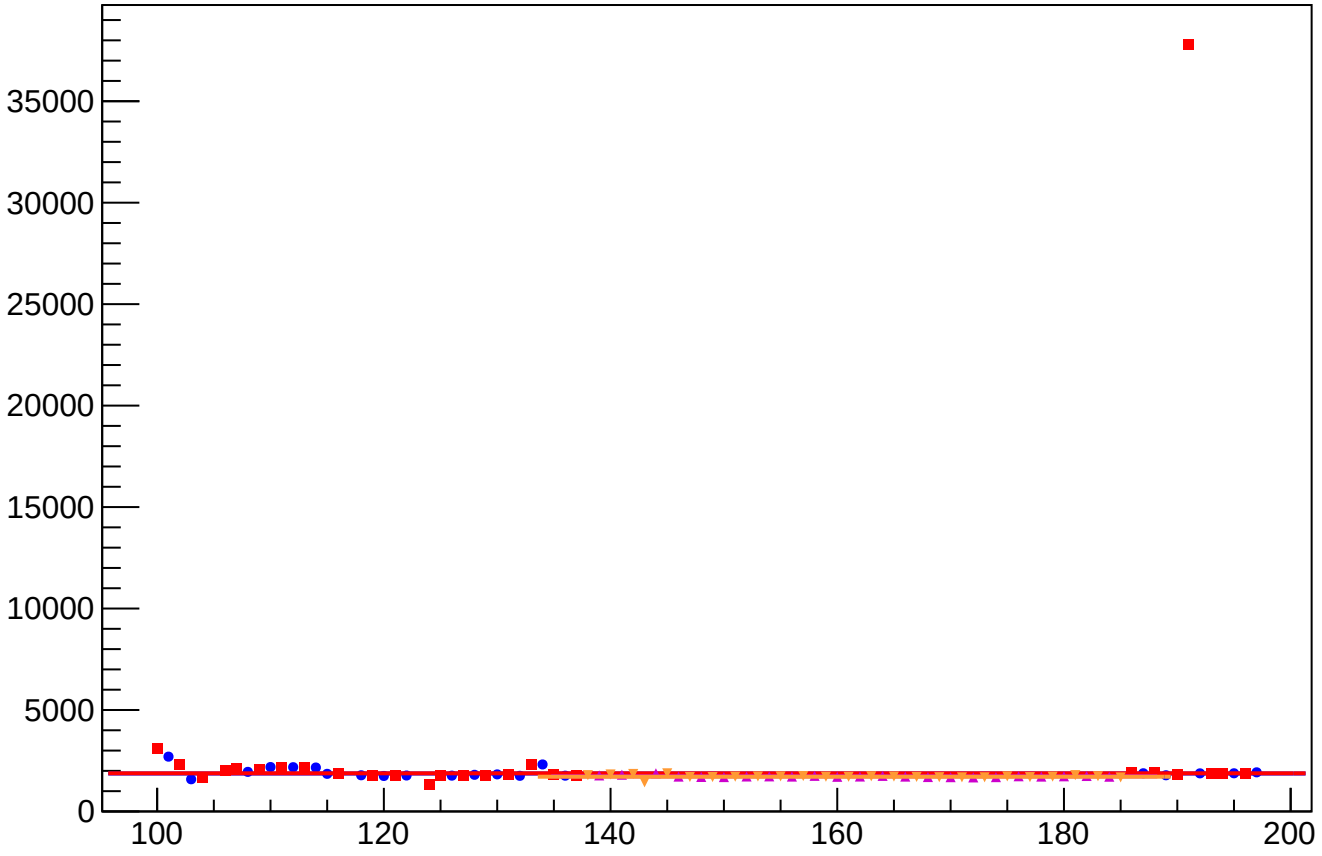
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -216.571+/-322.634 χ^2/NDF: 46.5/45

All: 126.242+/-229.658 χ^2/NDF: 97.0/94

- sign 478.350+/-326.979 χ^2/NDF: 48.2/48

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1868.919+/-0.407 χ^2/NDF: 260442.0/20

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

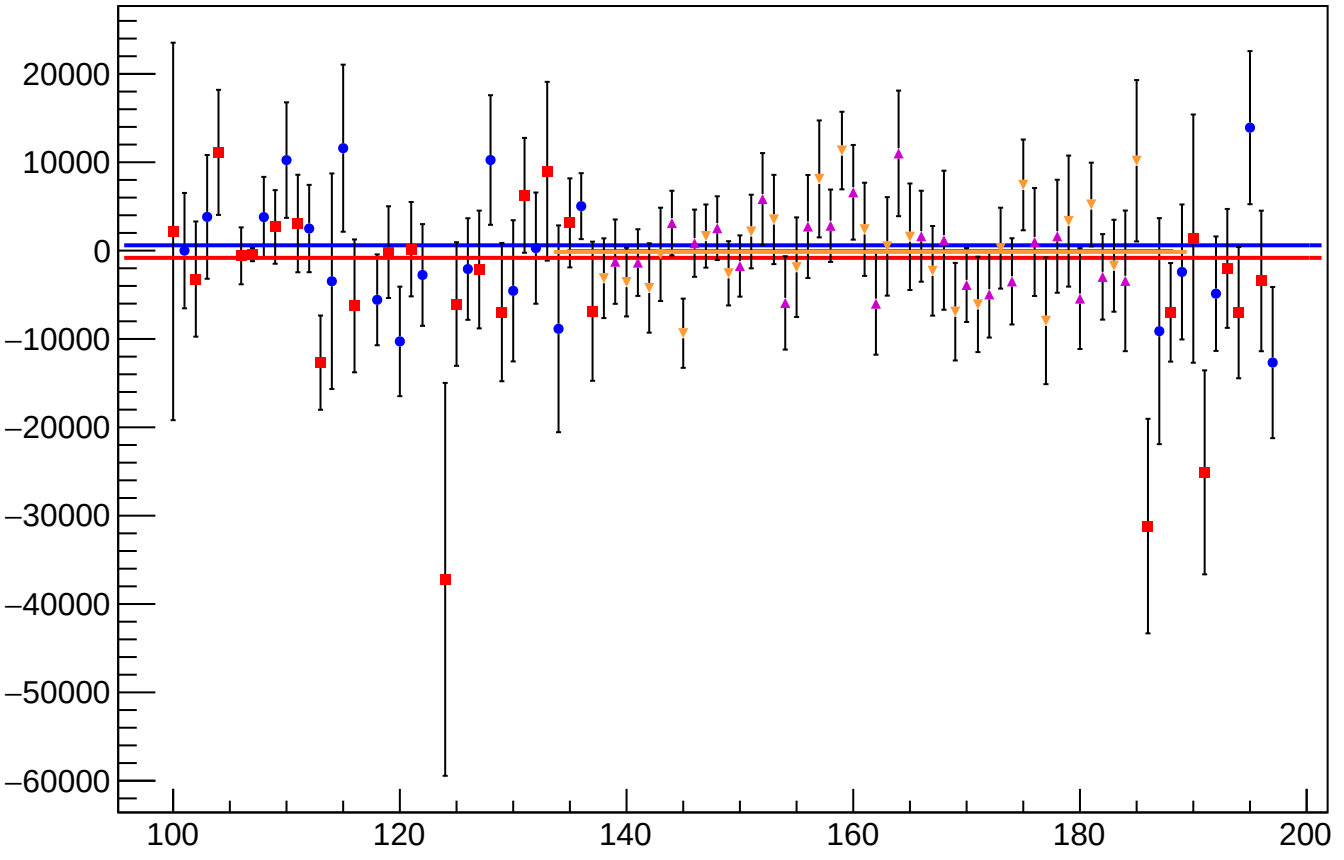
Right Out: 1879.897+/-0.393 χ^2/NDF: 407983.3/25

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1761.442+/-0.228 χ^2/NDF: 456298.6/45

All: 1771.607+/-0.162 χ^2/NDF: 986054.4/94

- sign 1782.044+/-0.231 χ^2/NDF: 525732.1/48



Right In: 599.962+/-1398.454 χ^2/NDF: 20.0/20

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -820.543+/-643.686 χ^2/NDF: 29.9/25

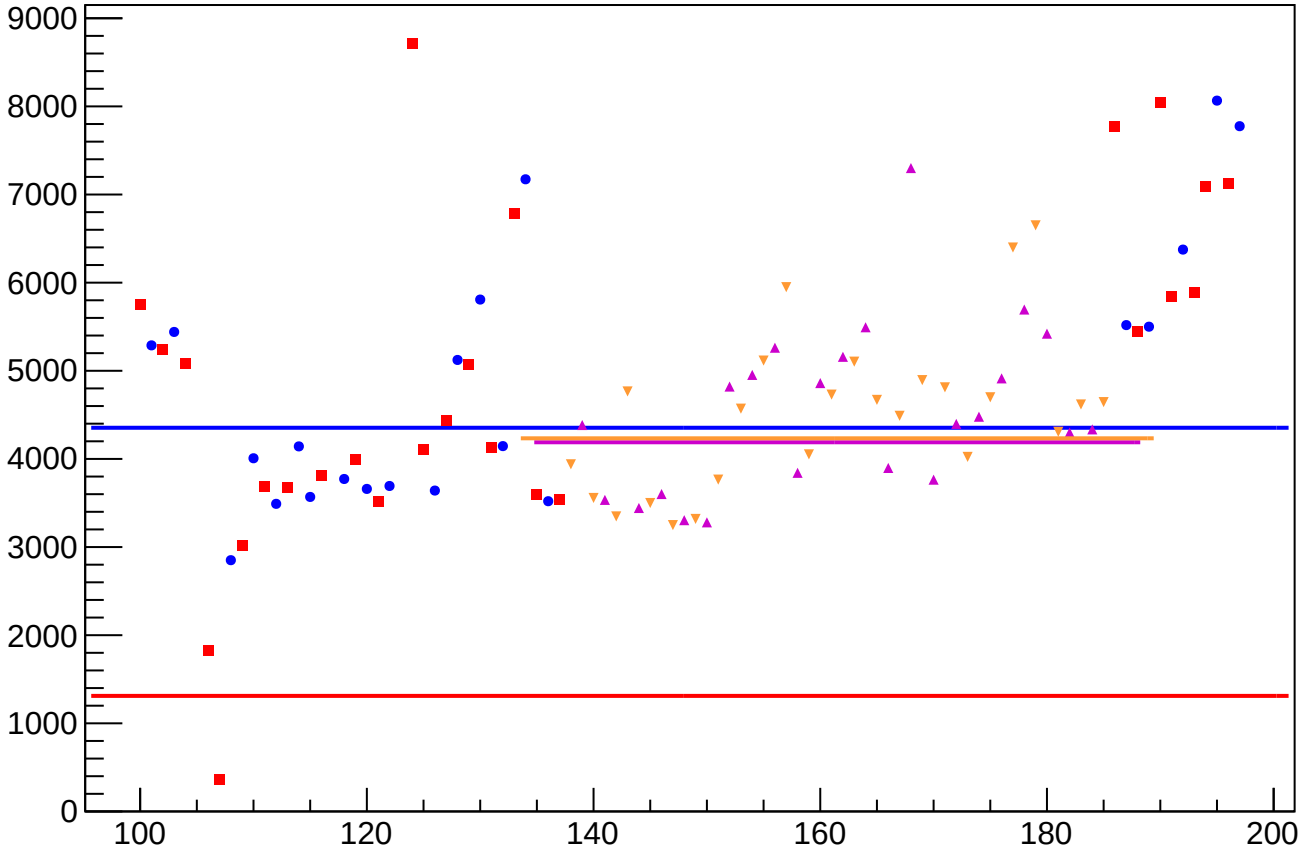
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 98.569+/-805.287 χ^2/NDF: 47.1/45

All: -382.124+/-449.223 χ^2/NDF: 91.9/94

- sign -599.289+/-541.268 χ^2/NDF: 44.4/48

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4353.620+/-0.989 χ^2/NDF: 1745395.2/20

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

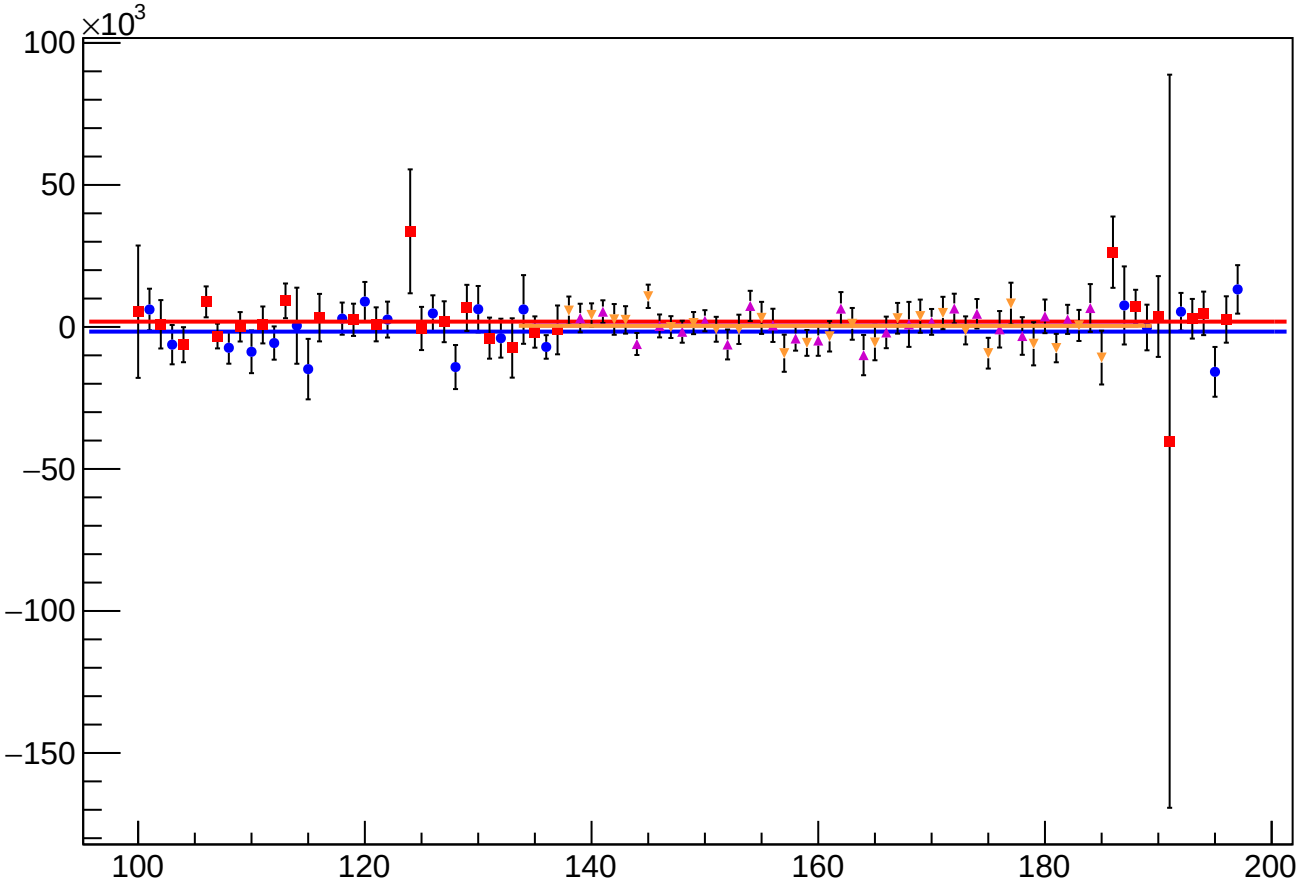
Right Out: 1311.249+/-0.455 χ^2/NDF: 15449549.5/25

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4273.605+/-0.569 χ^2/NDF: 3039976.3/45

All: 2813.686+/-0.318 χ^2/NDF: 41085164.5/9

- sign 2154.129+/-0.383 χ^2/NDF: 28502152.6/48



Right In: -1643.695+/-1538.297 χ^2/NDF: 23.0/20

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 1874.840+/-1399.302 χ^2/NDF: 15.9/25

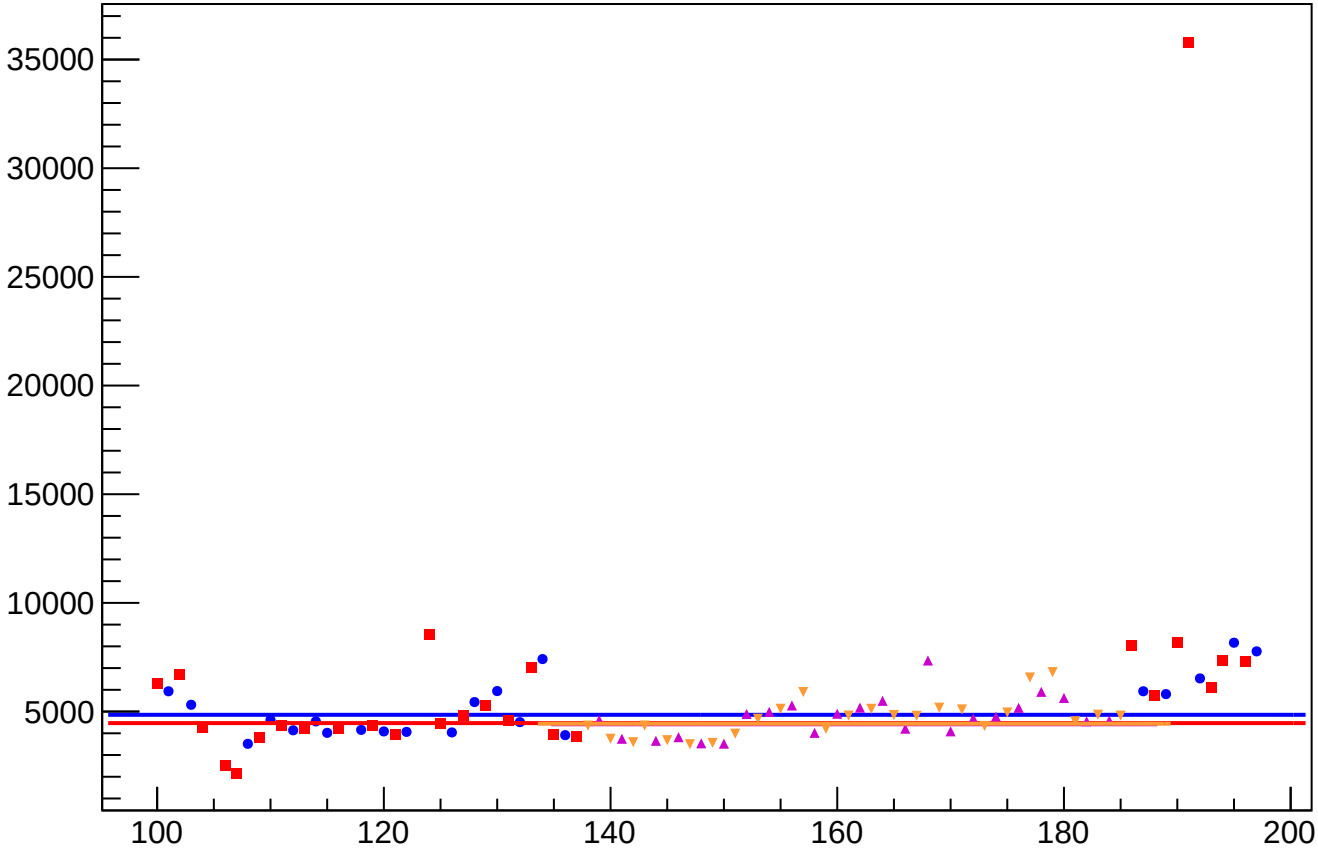
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -232.441+/-854.962 χ^2/NDF: 48.9/45

All: 393.353+/-599.076 χ^2/NDF: 83.8/94

- sign 996.985+/-839.686 χ^2/NDF: 33.8/48

asym_atl1r2_dd_rms vs Slug



Right In: 4850.175+/-1.088 χ^2/NDF: 1261343.5/20

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4469.146+/-0.981 χ^2/NDF: 2490601.7/25

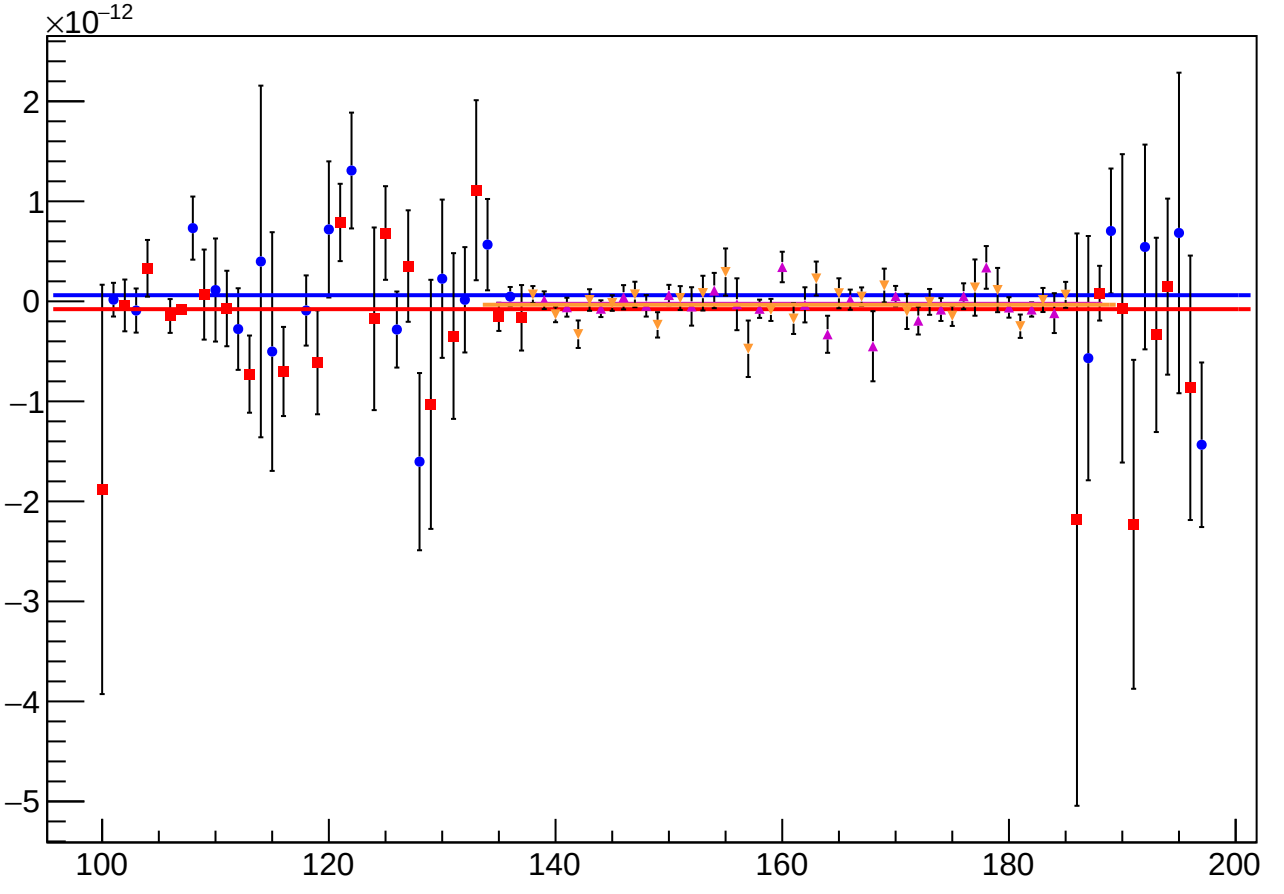
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4567.262+/-0.605 χ^2/NDF: 2432347.5/45

All: 4499.710+/-0.423 χ^2/NDF: 6060728.5/94

- sign 4434.935+/-0.592 χ^2/NDF: 3603923.0/48

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/25

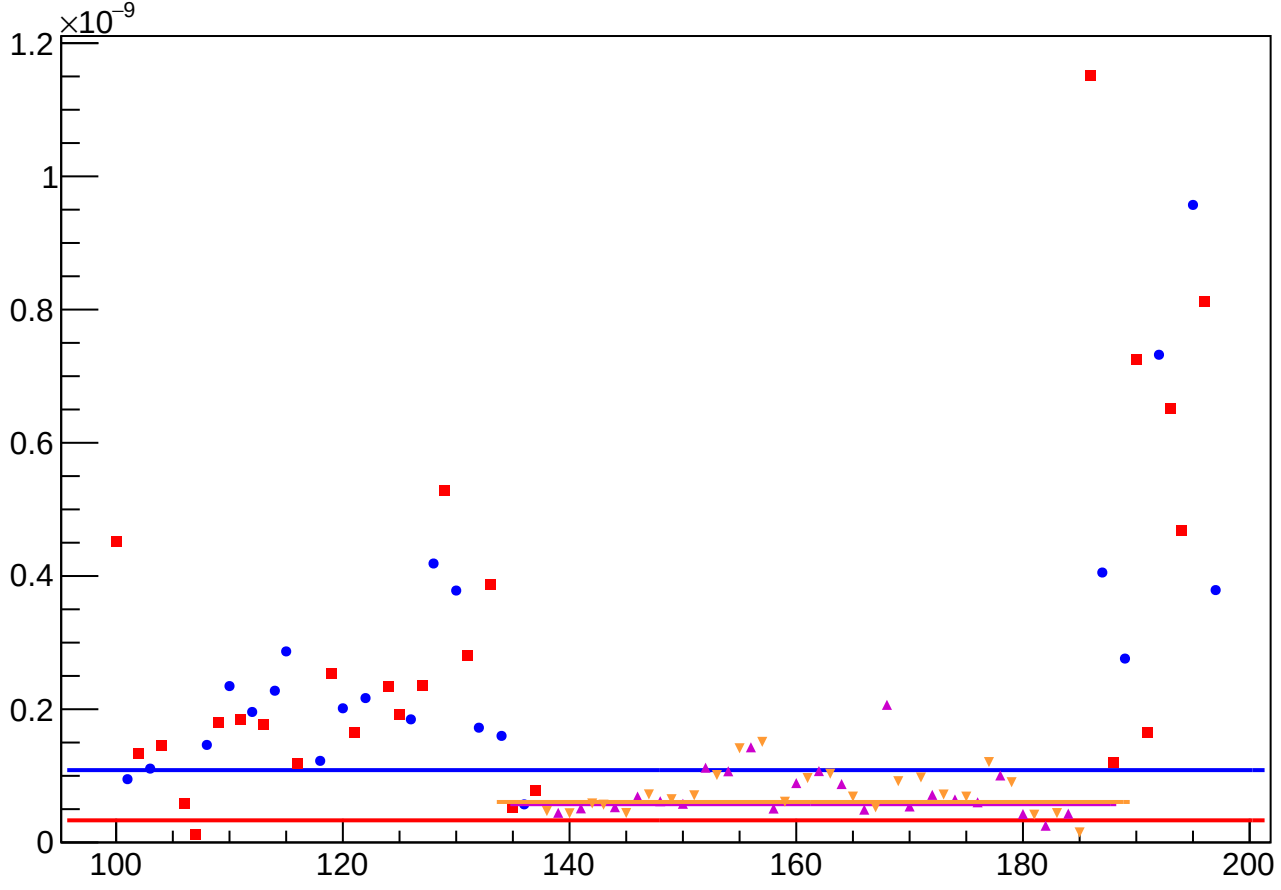
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/45

All: -0.000+/-0.000 χ^2/NDF: 97.3/94

- sign -0.000+/-0.000 χ^2/NDF: 44.1/48

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3379018.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7303551.8/25

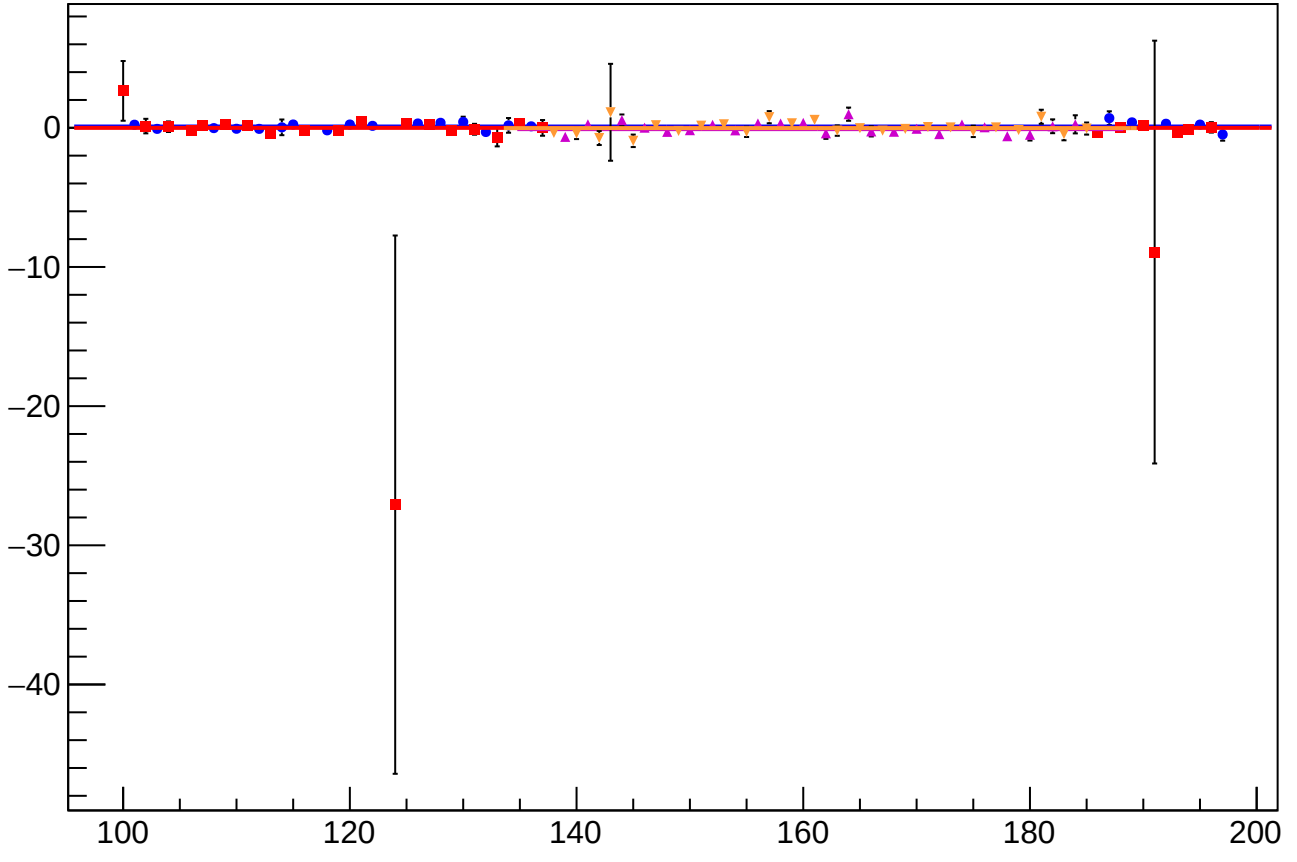
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5996302.3/45

All: 0.000+/-0.000 χ^2/NDF: 16548791.9/94

- sign 0.000+/-0.000 χ^2/NDF: 9877957.0/48

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.093+/-0.060 χ^2/NDF: 13.8/20

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.005+/-0.051 χ^2/NDF: 26.4/25

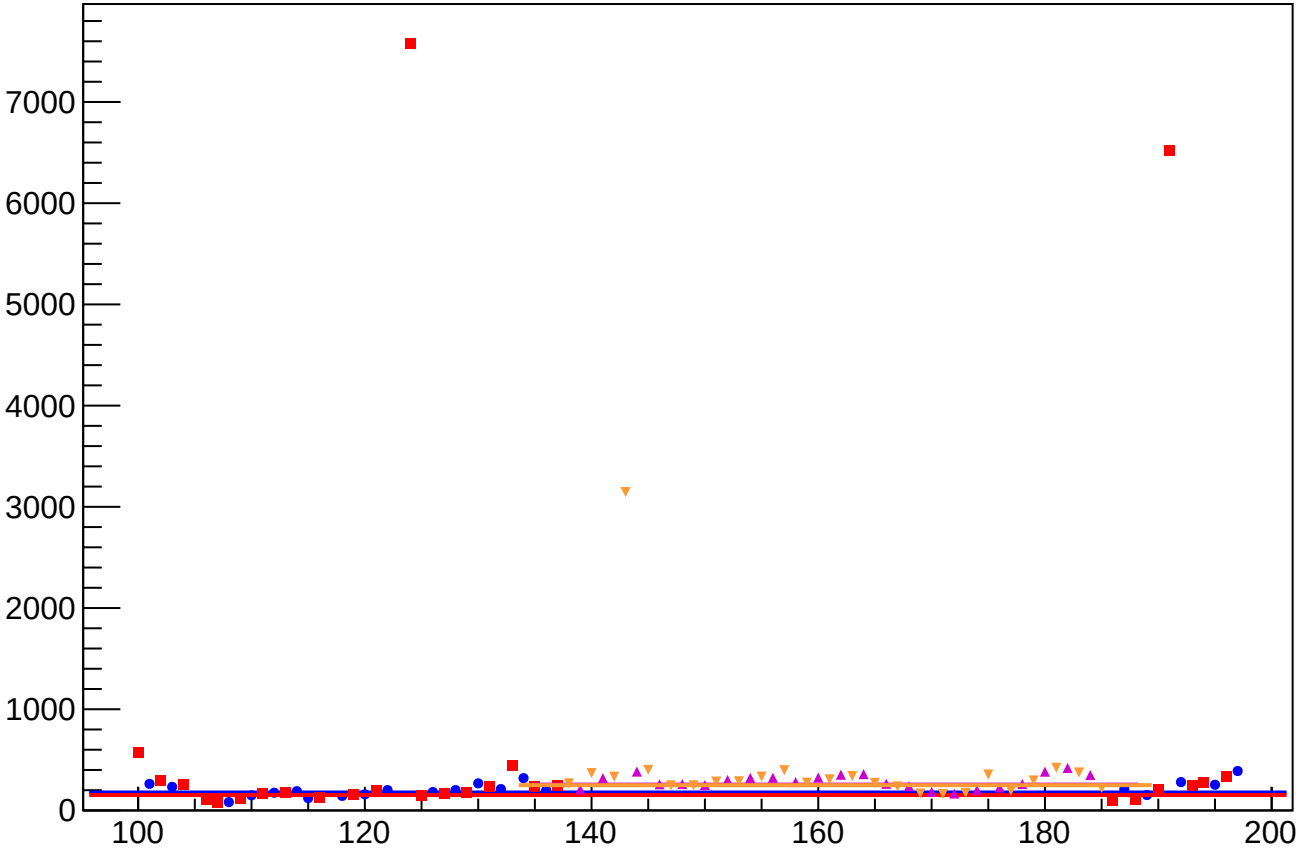
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.043 χ^2/NDF: 39.2/45

All: -0.005+/-0.029 χ^2/NDF: 100.1/94

- sign -0.040+/-0.040 χ^2/NDF: 59.2/48

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 177.342+/-0.042 χ^2/NDF: 2426354.8/20

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 152.372+/-0.036 χ^2/NDF: 3824406.4/25

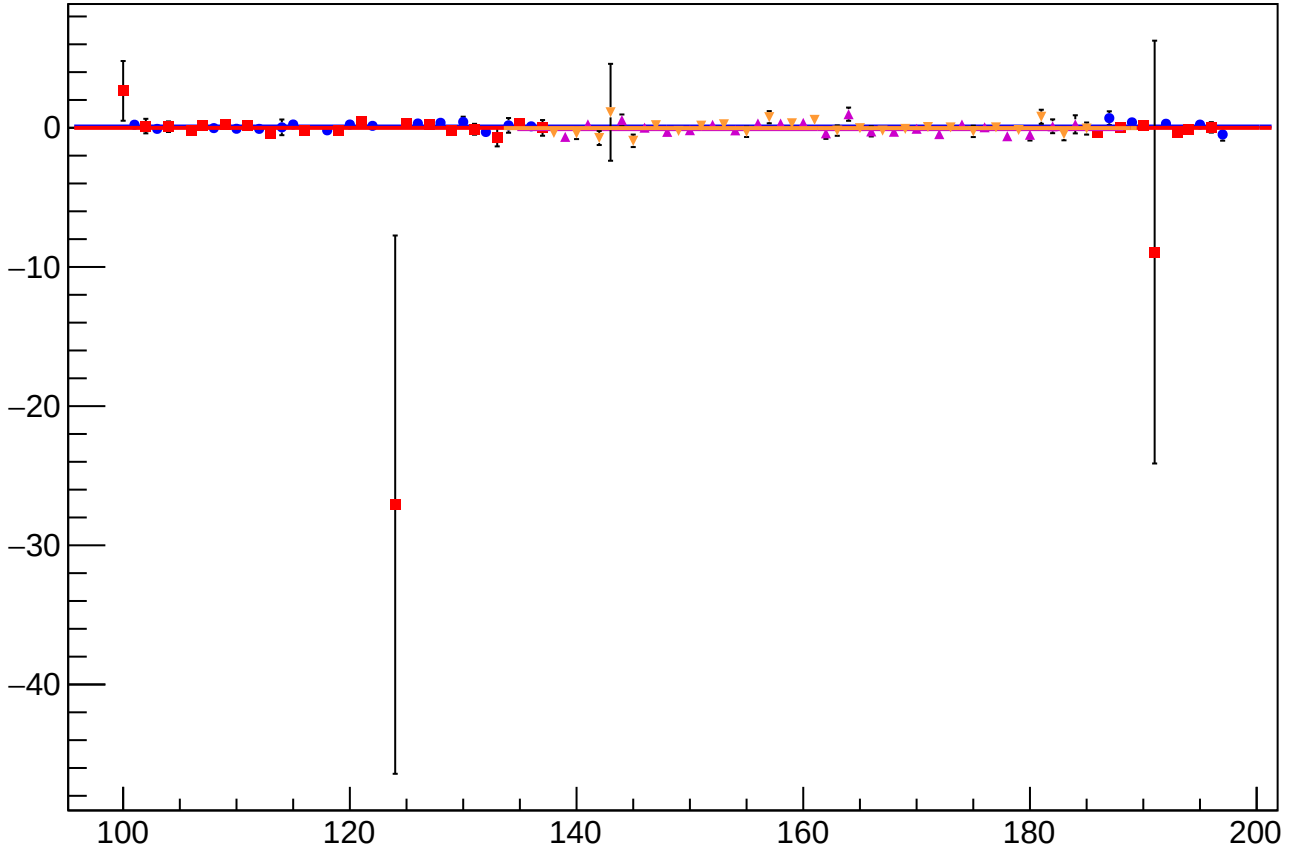
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 212.395+/-0.030 χ^2/NDF: 8091313.1/45

All: 201.963+/-0.021 χ^2/NDF: 17475753.1/94

- sign 193.048+/-0.028 χ^2/NDF: 9164535.9/48

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.093+/-0.060 χ^2/NDF: 13.8/20

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.005+/-0.051 χ^2/NDF: 26.4/25

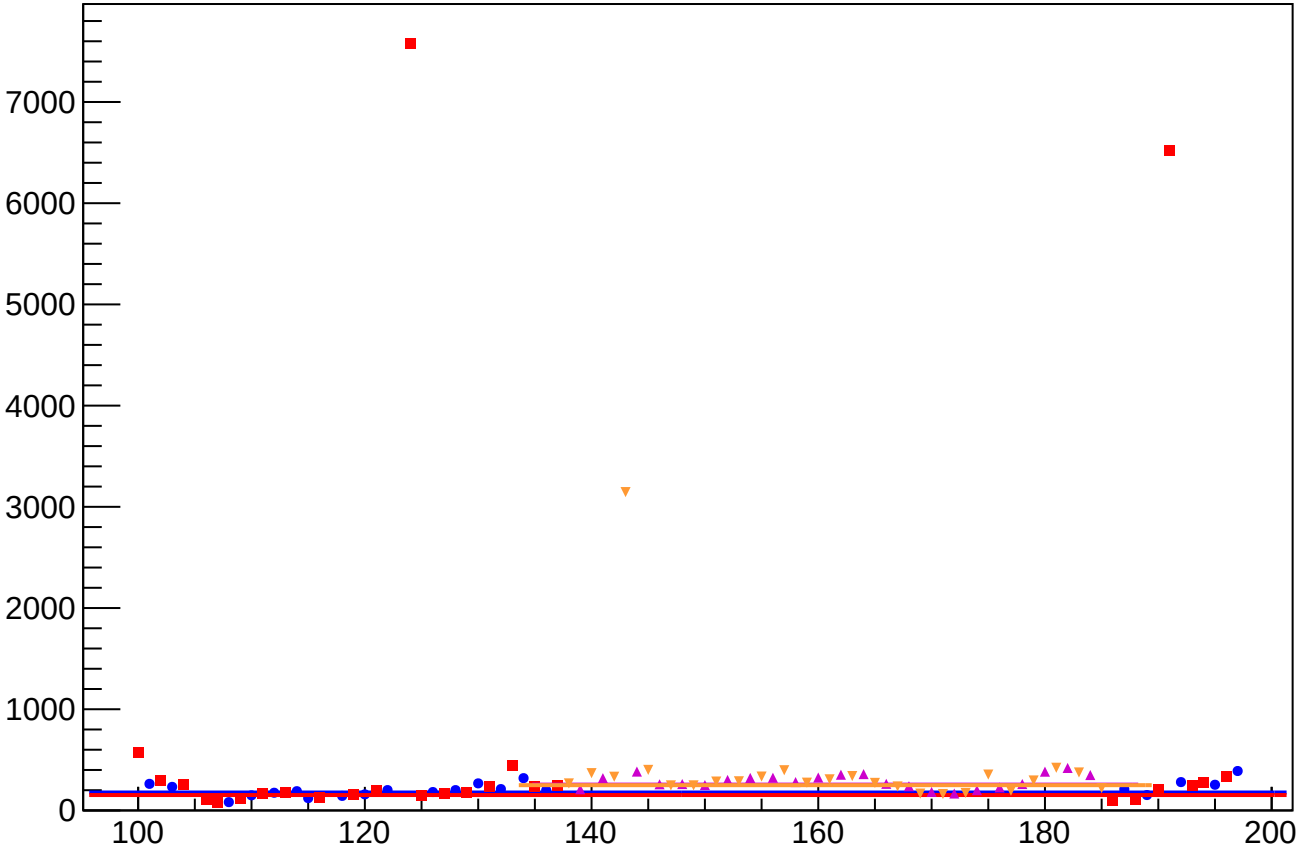
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.043 χ^2/NDF: 39.2/45

All: -0.005+/-0.029 χ^2/NDF: 100.1/94

- sign -0.040+/-0.040 χ^2/NDF: 59.2/48

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 177.342+/-0.042 χ^2/NDF: 2426354.8/20

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

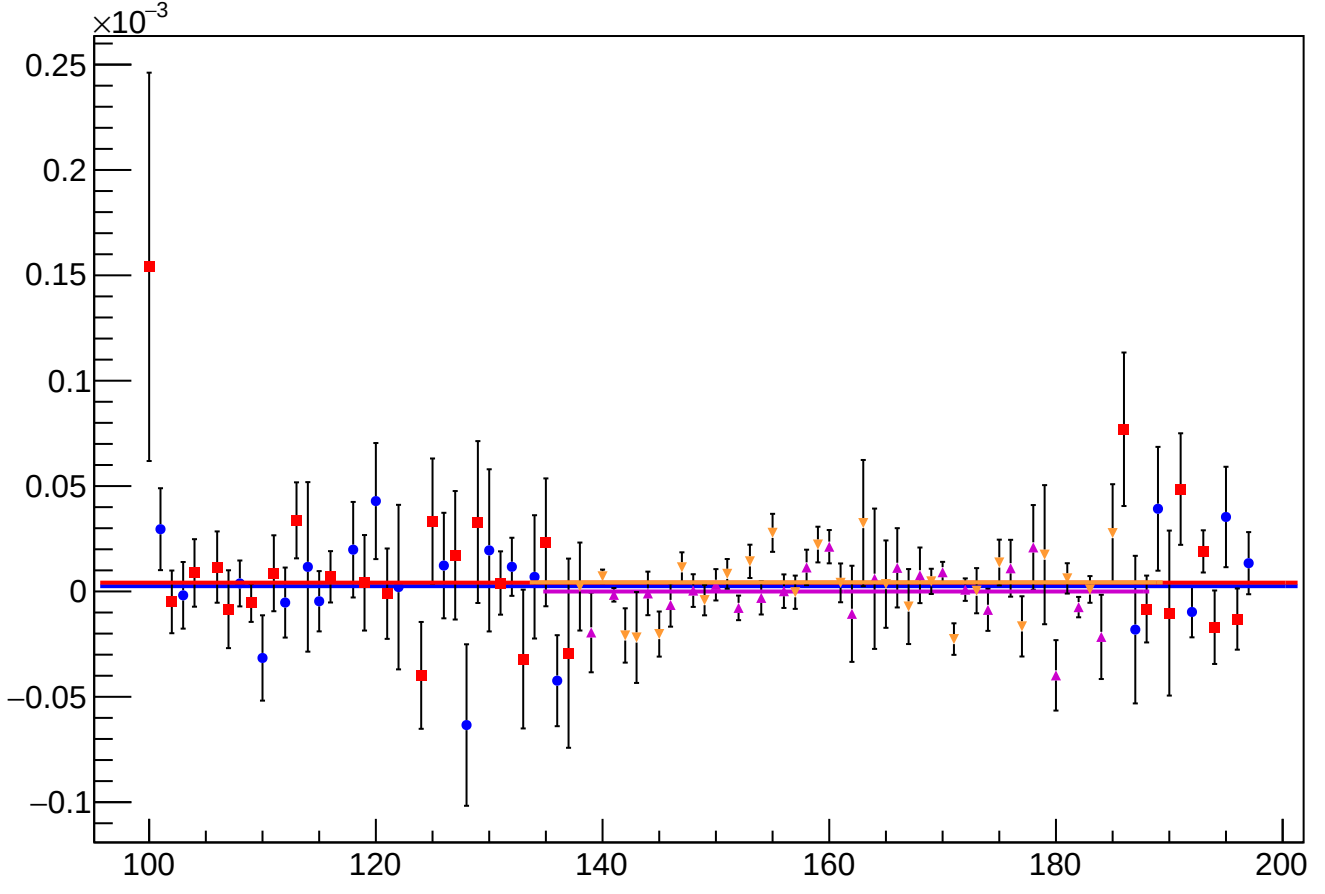
Right Out: 152.372+/-0.036 χ^2/NDF: 3824406.4/25

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 212.395+/-0.030 χ^2/NDF: 8091313.1/45

All: 201.963+/-0.021 χ^2/NDF: 17475753.1/94

- sign 193.048+/-0.028 χ^2/NDF: 9164535.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/25

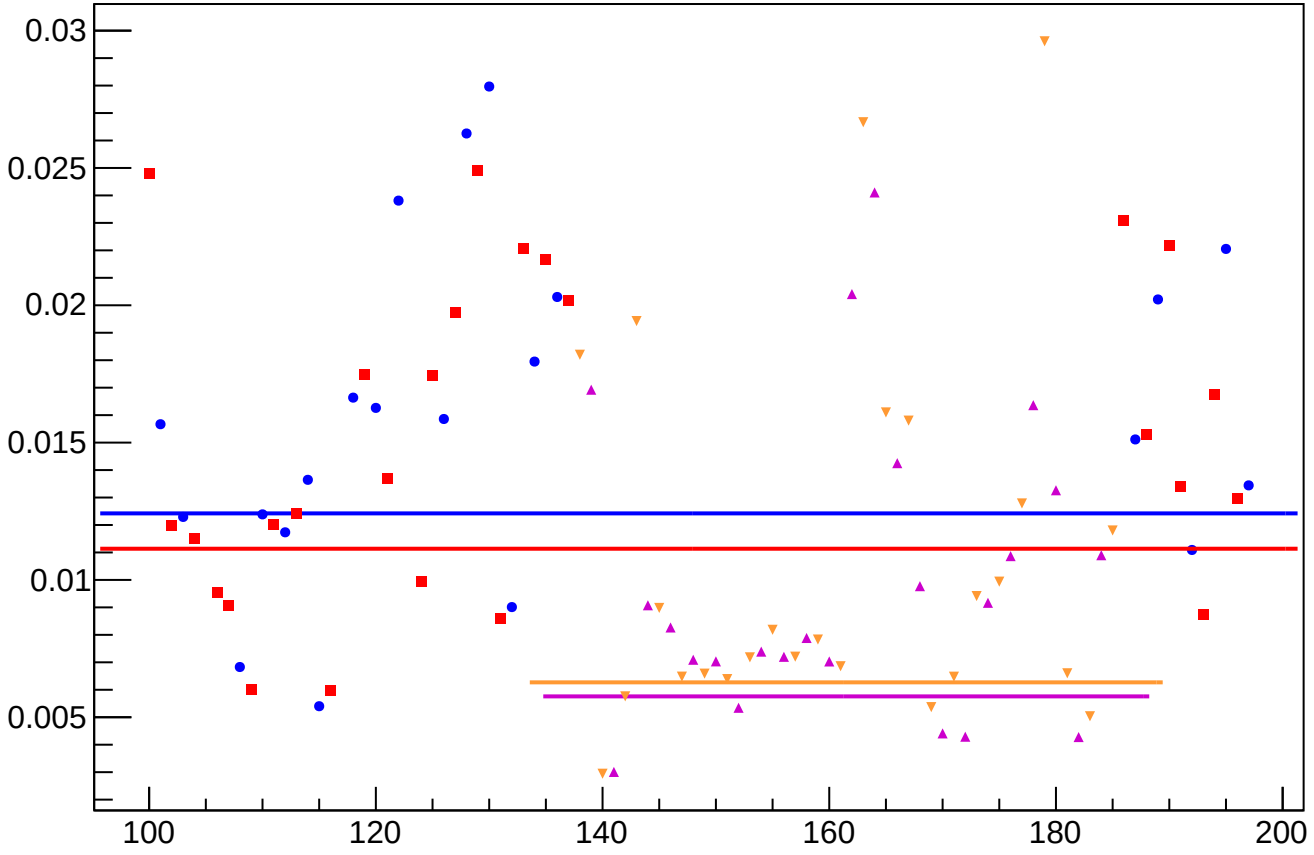
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.8/45

All: 0.000+/-0.000 χ^2/NDF: 127.9/94

- sign 0.000+/-0.000 χ^2/NDF: 57.5/48

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2947118.9/20

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 3290197.3/25

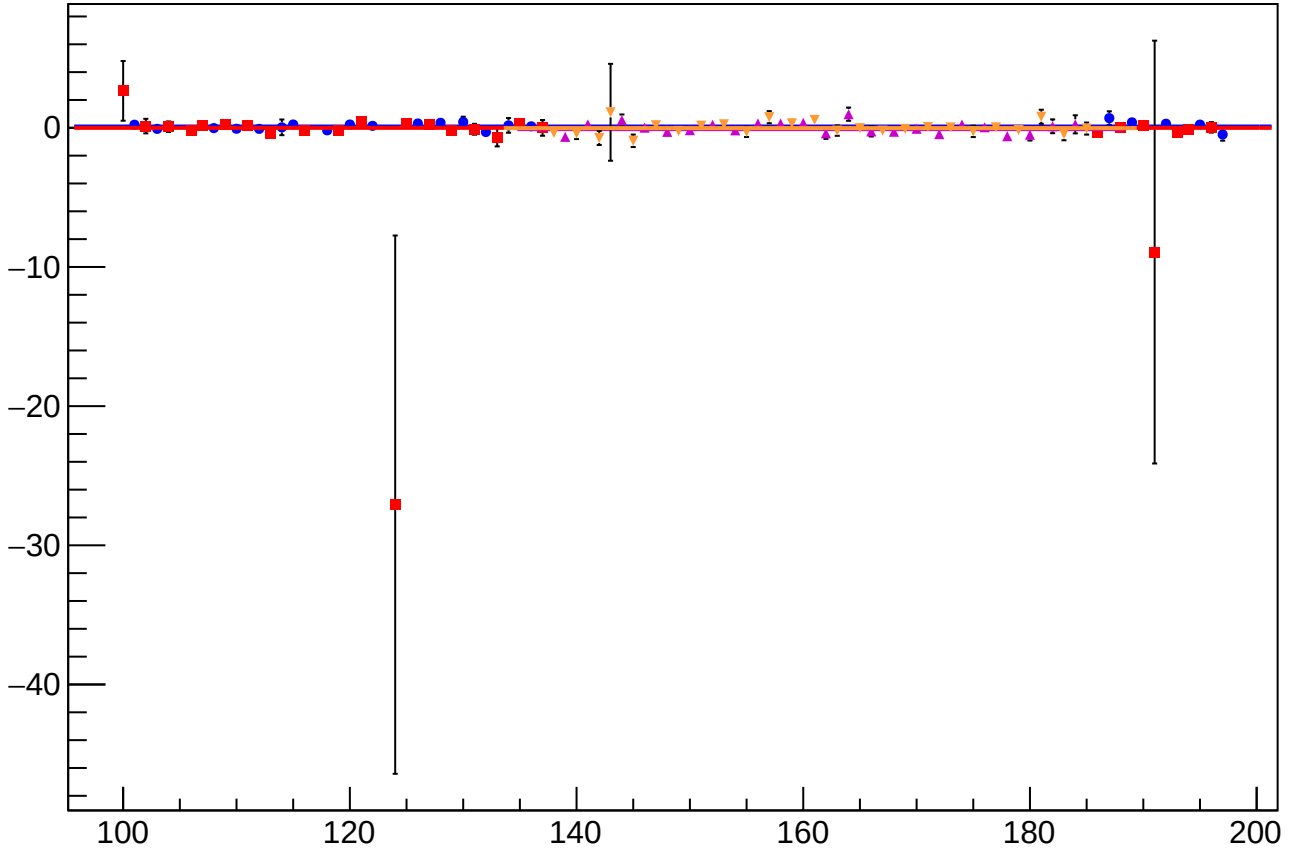
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 14610800.4/45

All: 0.007+/-0.000 χ^2/NDF: 28945044.2/94

- sign 0.007+/-0.000 χ^2/NDF: 14246226.2/48

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.093+/-0.060 χ^2/NDF: 13.8/20

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.005+/-0.051 χ^2/NDF: 26.4/25

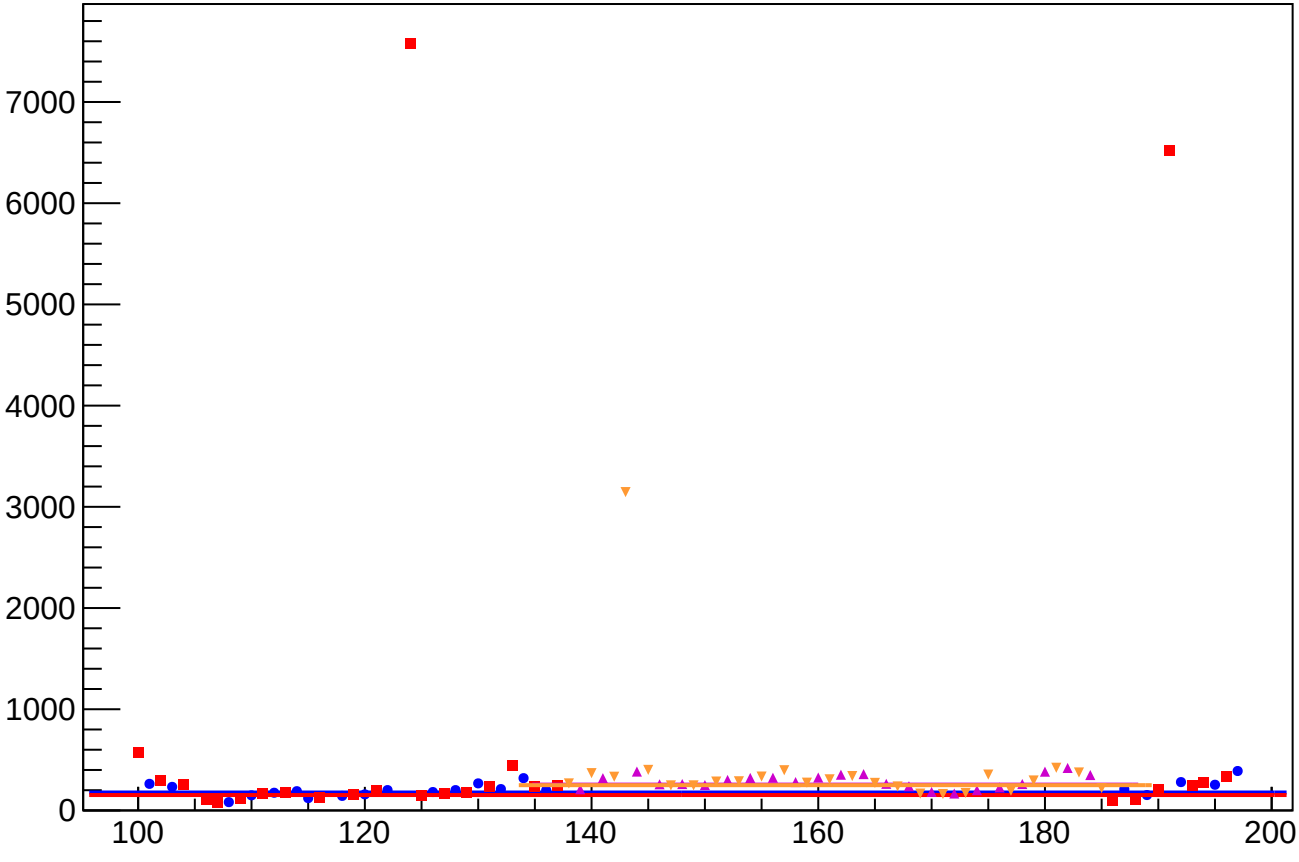
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.043 χ^2/NDF: 39.2/45

All: -0.005+/-0.029 χ^2/NDF: 100.1/94

- sign -0.040+/-0.040 χ^2/NDF: 59.2/48

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 177.340+/-0.042 χ^2/NDF: 2426371.3/20

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

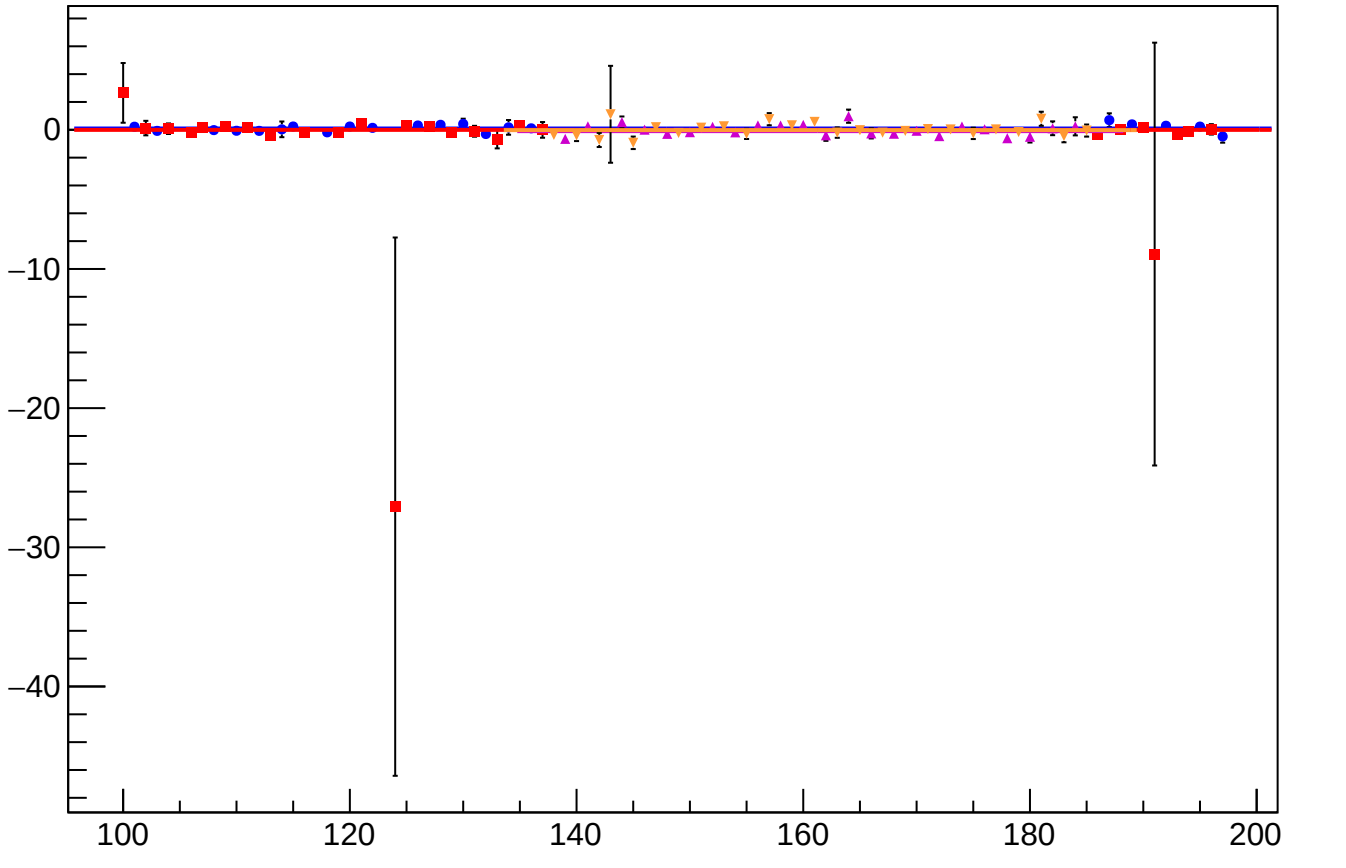
Right Out: 152.374+/-0.036 χ^2/NDF: 3824279.9/25

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

\+ sign 212.394+/-0.030 χ^2/NDF: 8091574.4/45

All: 201.963+/-0.021 χ^2/NDF: 17475788.7/94

\- sign 193.050+/-0.028 χ^2/NDF: 9164386.4/48



Right In: 0.093+/-0.060 χ^2/NDF: 13.8/20

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

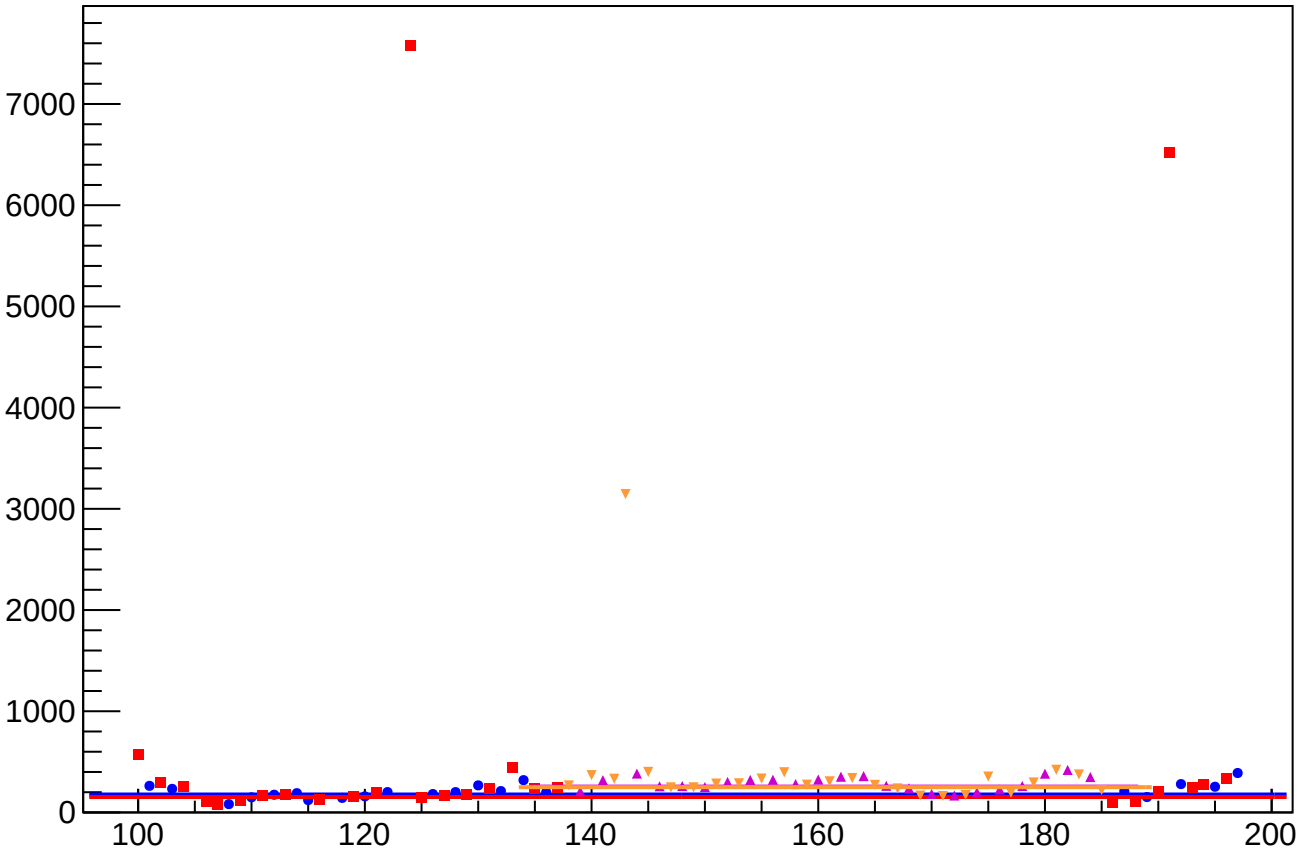
Right Out: -0.005+/-0.051 χ^2/NDF: 26.4/25

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.043 χ^2/NDF: 39.2/45

All: -0.005+/-0.029 χ^2/NDF: 100.1/94

- sign -0.040+/-0.040 χ^2/NDF: 59.2/48



Right In: 177.340+/-0.042 χ^2/NDF: 2426371.3/20

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

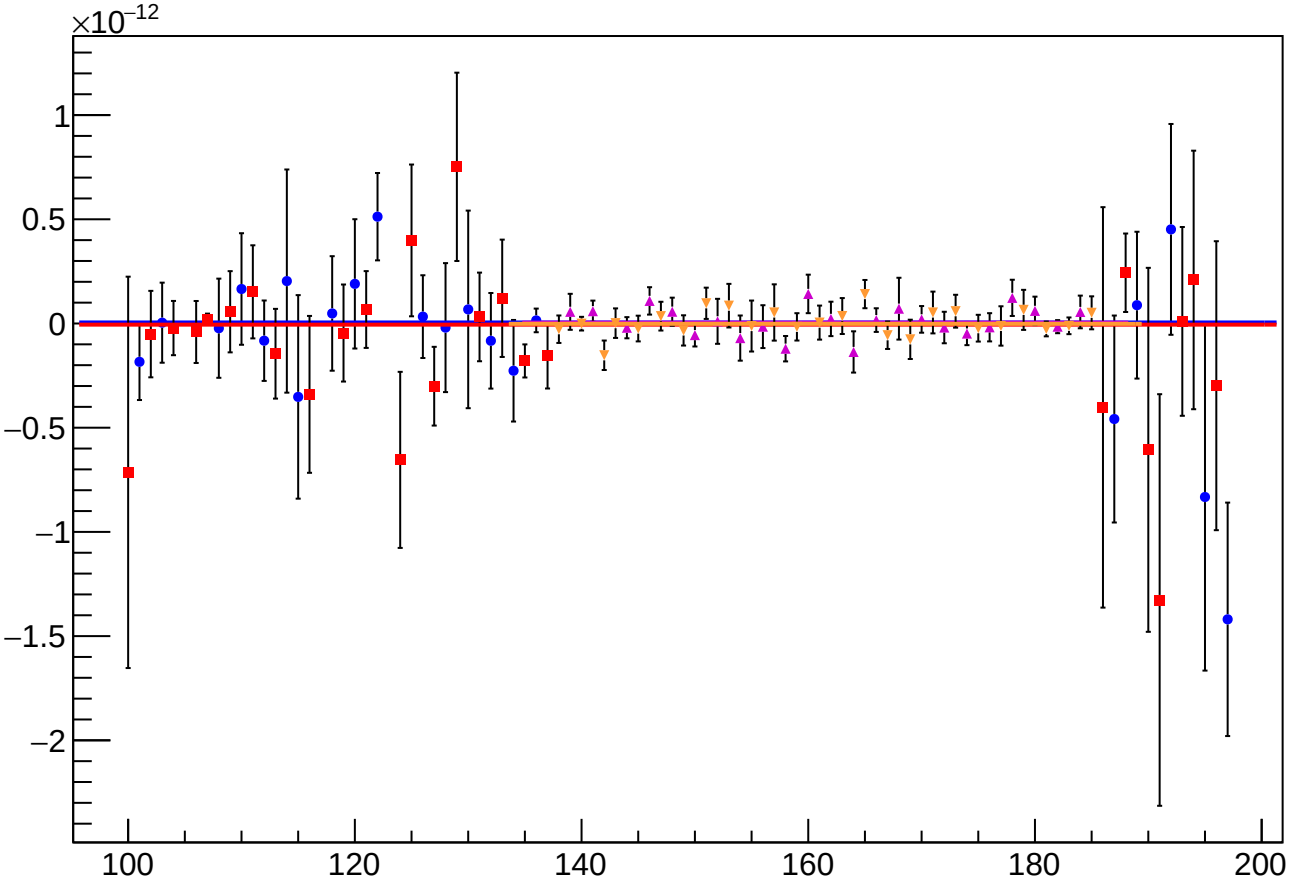
Right Out: 152.374+/-0.036 χ^2/NDF: 3824279.9/25

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 212.394+/-0.030 χ^2/NDF: 8091574.4/45

All: 201.963+/-0.021 χ^2/NDF: 17475788.7/94

- sign 193.050+/-0.028 χ^2/NDF: 9164386.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

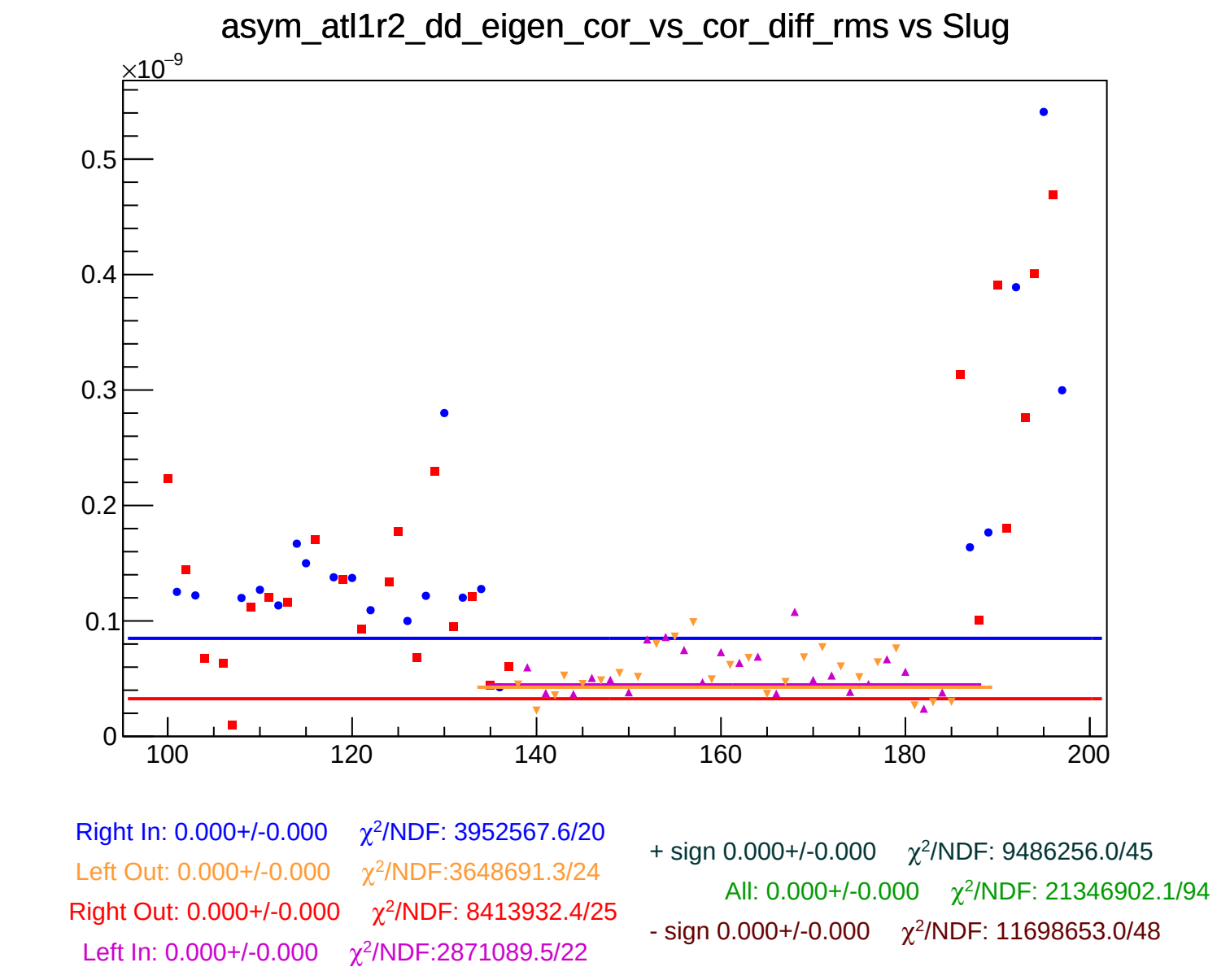
Right Out: -0.000+/-0.000 χ^2/NDF: 22.8/25

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

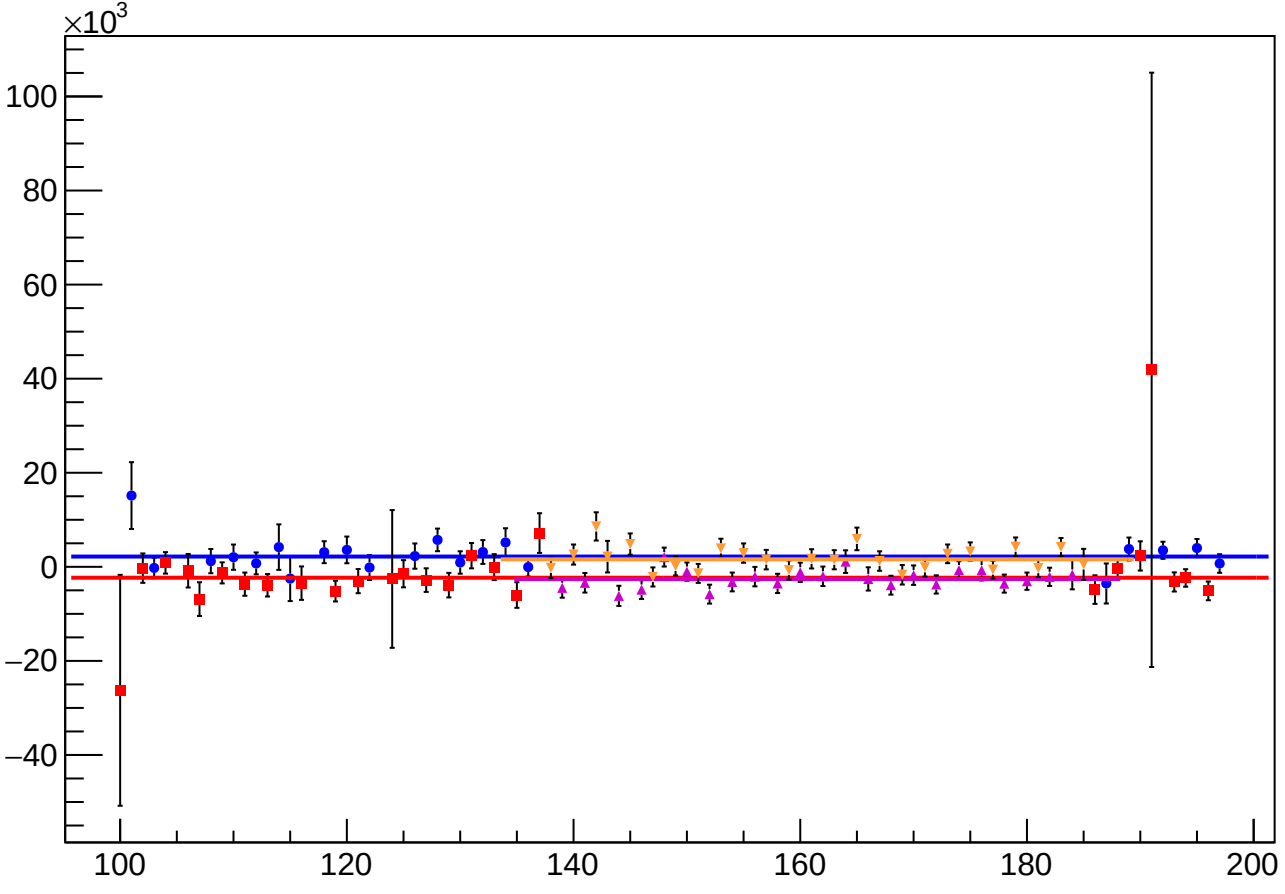
+ sign -0.000+/-0.000 χ^2/NDF: 35.3/45

All: 0.000+/-0.000 χ^2/NDF: 78.1/94

- sign 0.000+/-0.000 χ^2/NDF: 42.8/48


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 3952567.6/20
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 8413932.4/25
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
+ sign 0.000+/-0.000 χ²/NDF: 9486256.0/45
All: 0.000+/-0.000 χ²/NDF: 21346902.1/94
- sign 0.000+/-0.000 χ²/NDF: 11698653.0/48

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2183.437+/-550.888 χ^2/NDF: 16.4/20

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2317.184+/-528.293 χ^2/NDF: 25.5/25

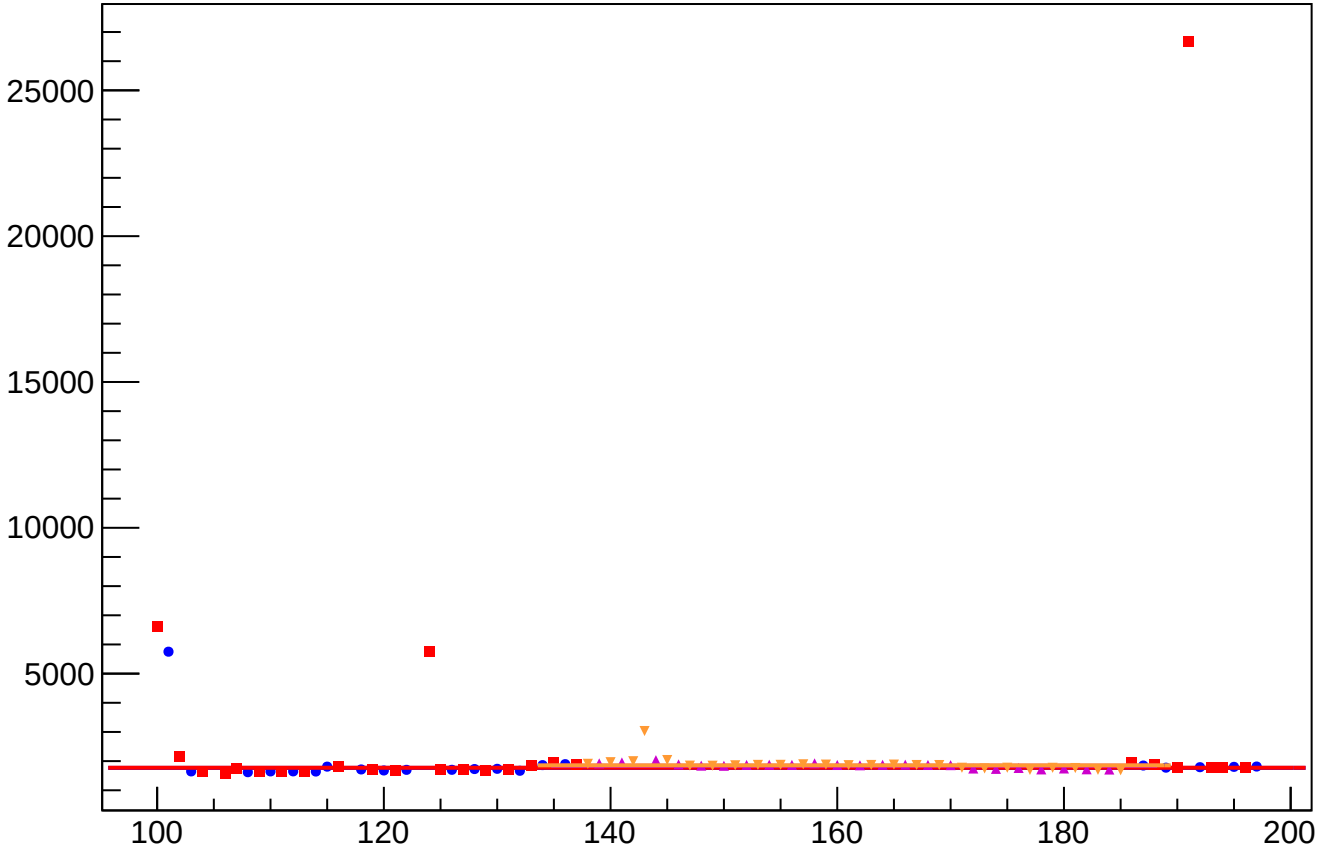
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1811.856+/-335.652 χ^2/NDF: 48.4/45

All: -349.980+/-236.624 χ^2/NDF: 176.7/94

- sign -2485.848+/-333.630 χ^2/NDF: 45.8/48

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1767.237+/-0.390 χ^2/NDF: 674687.4/20

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1772.530+/-0.372 χ^2/NDF: 638792.6/25

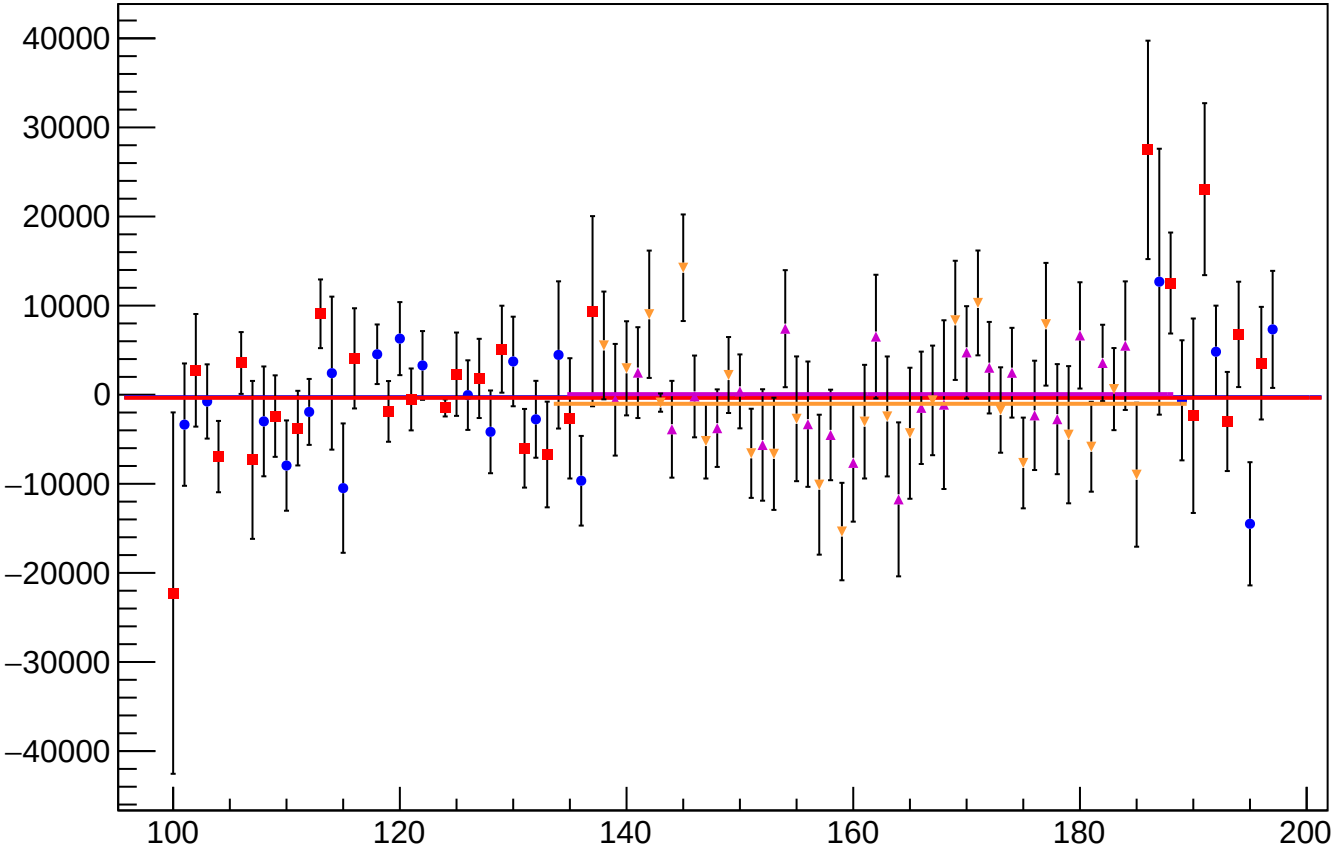
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1822.771+/-0.237 χ^2/NDF: 1031280.1/45

All: 1818.110+/-0.167 χ^2/NDF: 1762125.7/94

- sign 1813.524+/-0.235 χ^2/NDF: 730080.6/48

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -278.764+/-1095.719 χ^2/NDF: 23.2/20

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -346.738+/-699.881 χ^2/NDF: 38.9/25

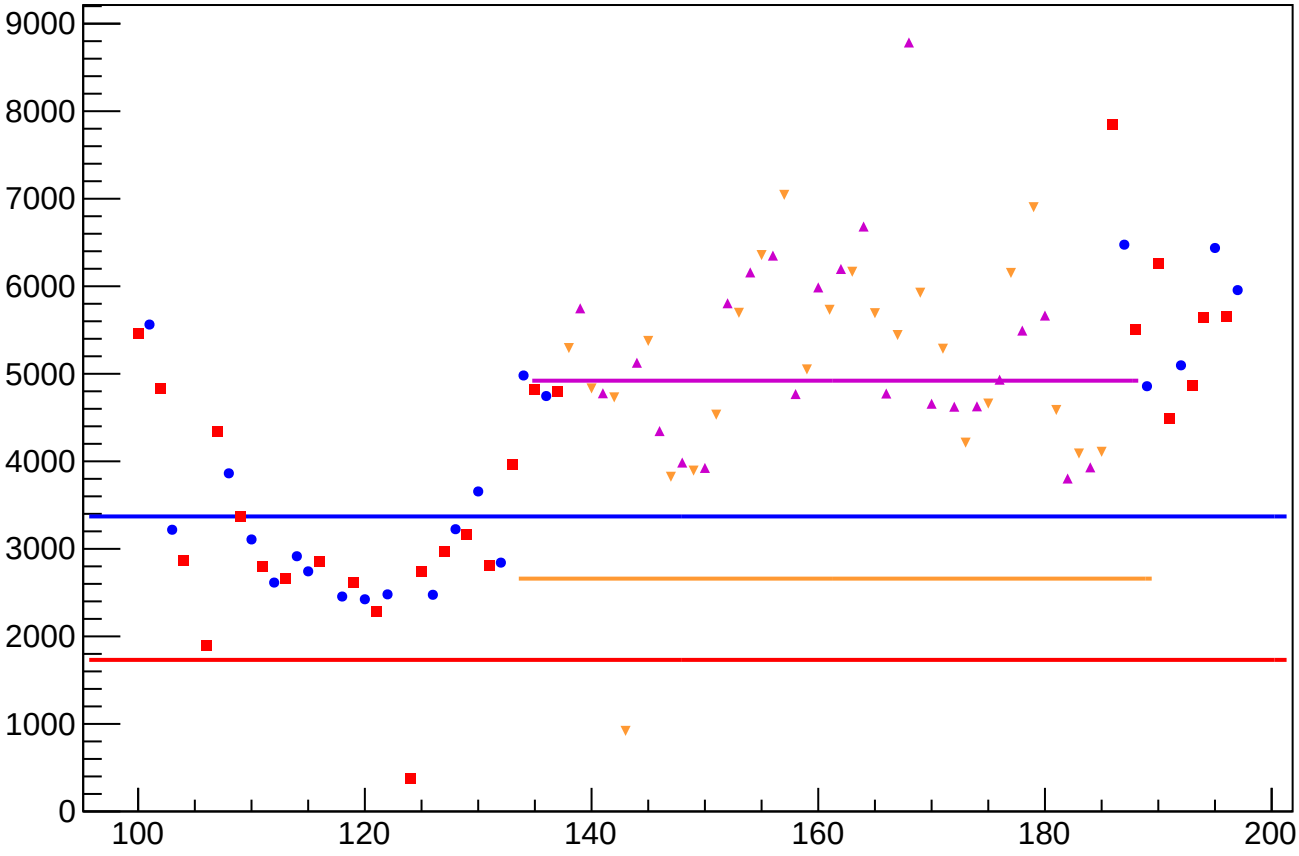
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -773.426+/-630.992 χ^2/NDF: 57.3/45

All: -493.452+/-435.220 χ^2/NDF: 109.7/94

- sign -239.390+/-601.085 χ^2/NDF: 52.1/48

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3370.344+/-0.775 χ^2/NDF: 2169881.1/20

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1731.557+/-0.495 χ^2/NDF: 11266859.9/25

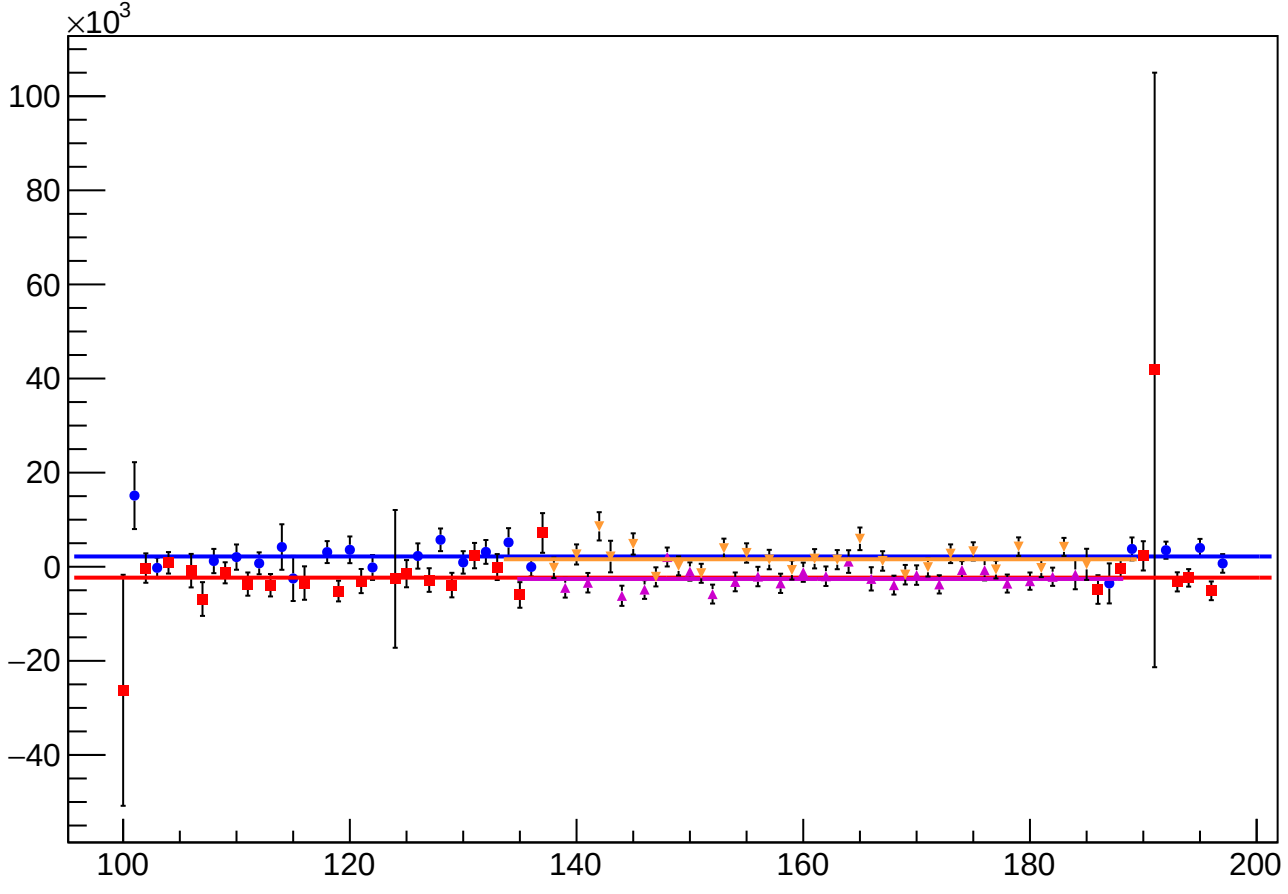
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2895.575+/-0.446 χ^2/NDF: 17267749.6/45

All: 2724.123+/-0.308 χ^2/NDF: 40968124.0/9

- sign 2568.538+/-0.425 χ^2/NDF: 23418716.9/48

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2183.244+/-550.888 χ^2/NDF: 16.4/20

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2317.225+/-528.293 χ^2/NDF: 25.5/25

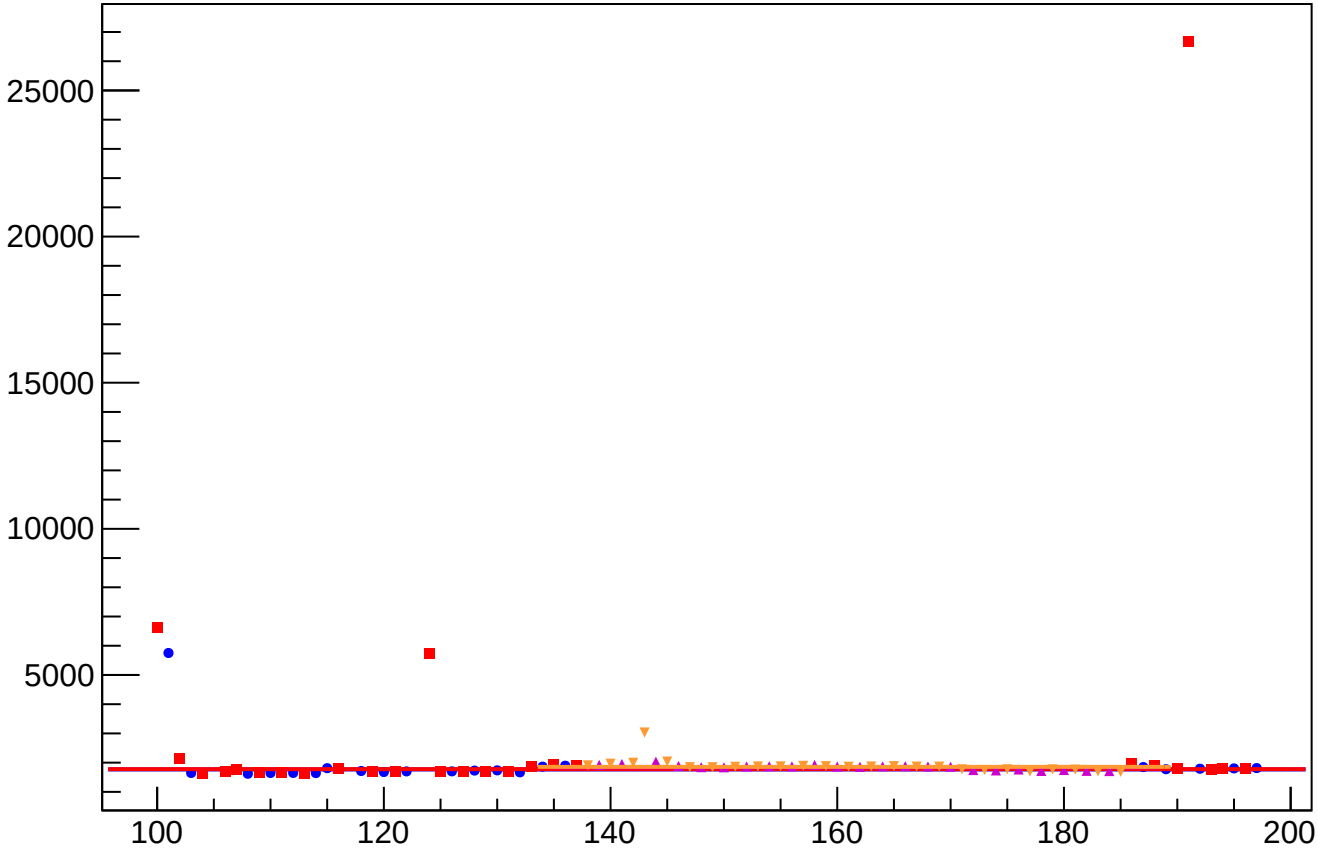
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1811.763+/-335.652 χ^2/NDF: 48.4/45

All: -350.056+/-236.624 χ^2/NDF: 176.7/94

- sign -2485.907+/-333.630 χ^2/NDF: 45.8/48

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1767.236+/-0.390 χ^2/NDF: 674687.7/20

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1777.054+/-0.373 χ^2/NDF: 630102.7/25

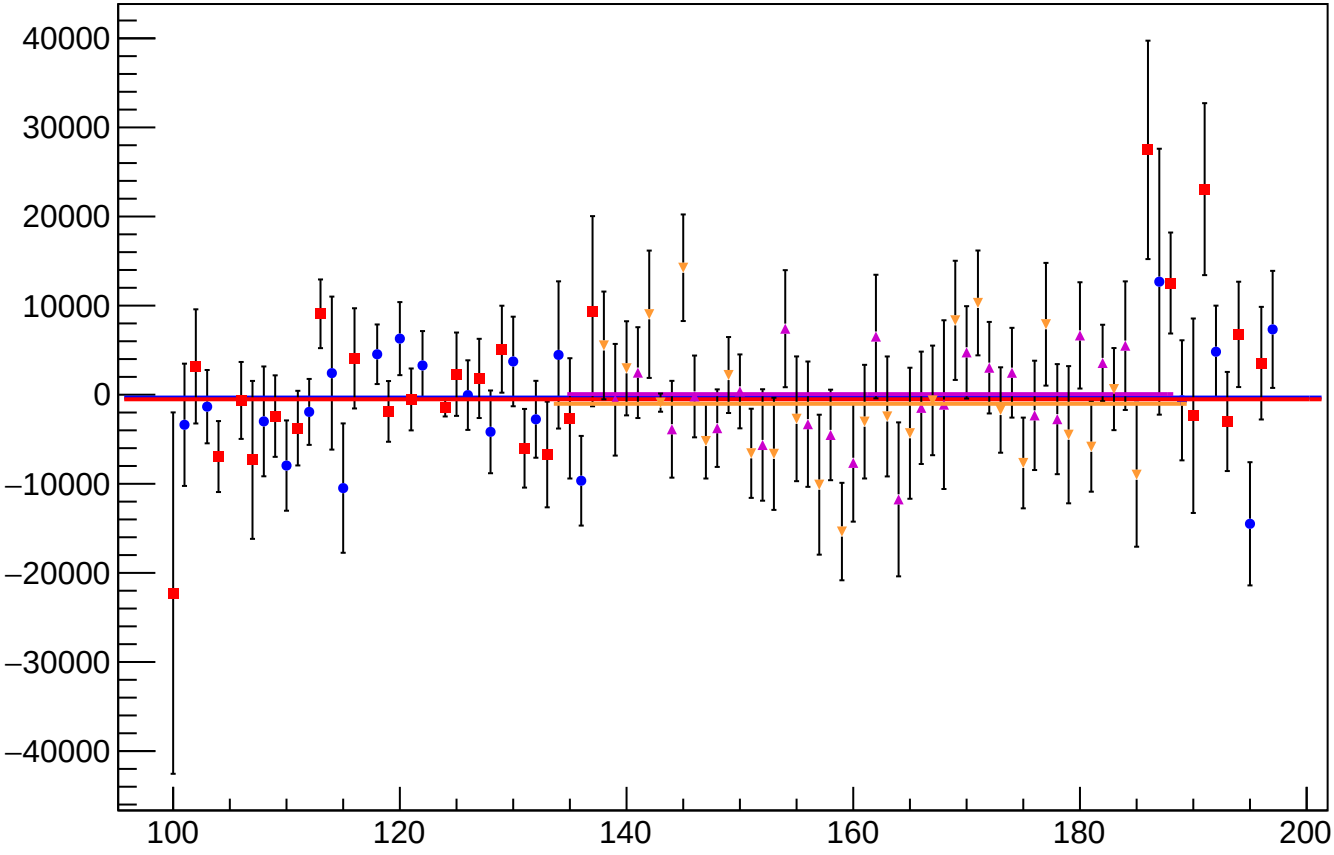
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1822.771+/-0.237 χ^2/NDF: 1031280.5/45

All: 1819.065+/-0.167 χ^2/NDF: 1750510.3/94

- sign 1815.411+/-0.236 χ^2/NDF: 718745.6/48

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -321.408+/-1094.737 χ^2/NDF: 23.3/20

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -513.975+/-705.008 χ^2/NDF: 37.7/25

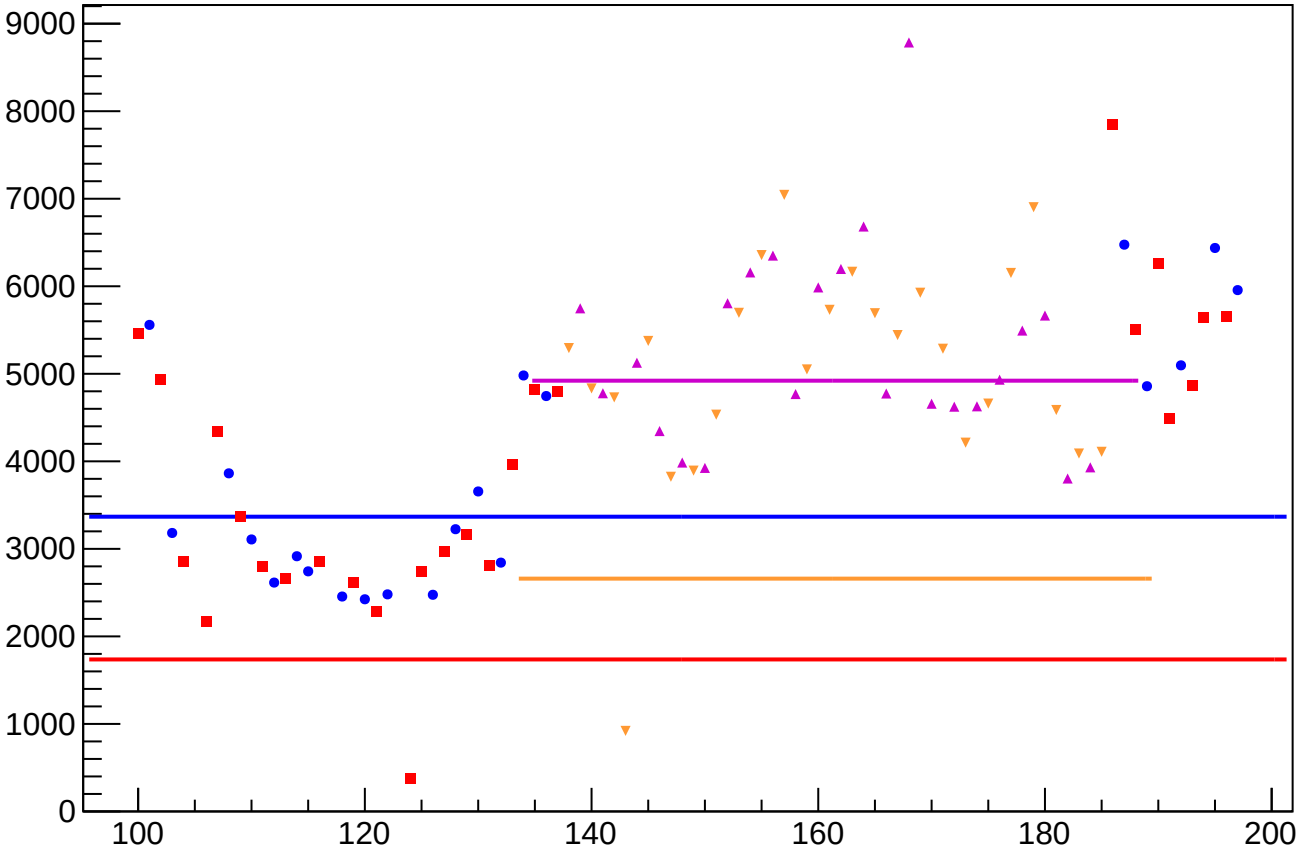
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -787.198+/-630.794 χ^2/NDF: 57.3/45

All: -565.038+/-436.379 χ^2/NDF: 108.5/94

- sign -361.133+/-604.323 χ^2/NDF: 50.9/48

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3367.458+/-0.774 χ^2/NDF: 2170967.8/20

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1736.647+/-0.499 χ^2/NDF: 11298741.8/25

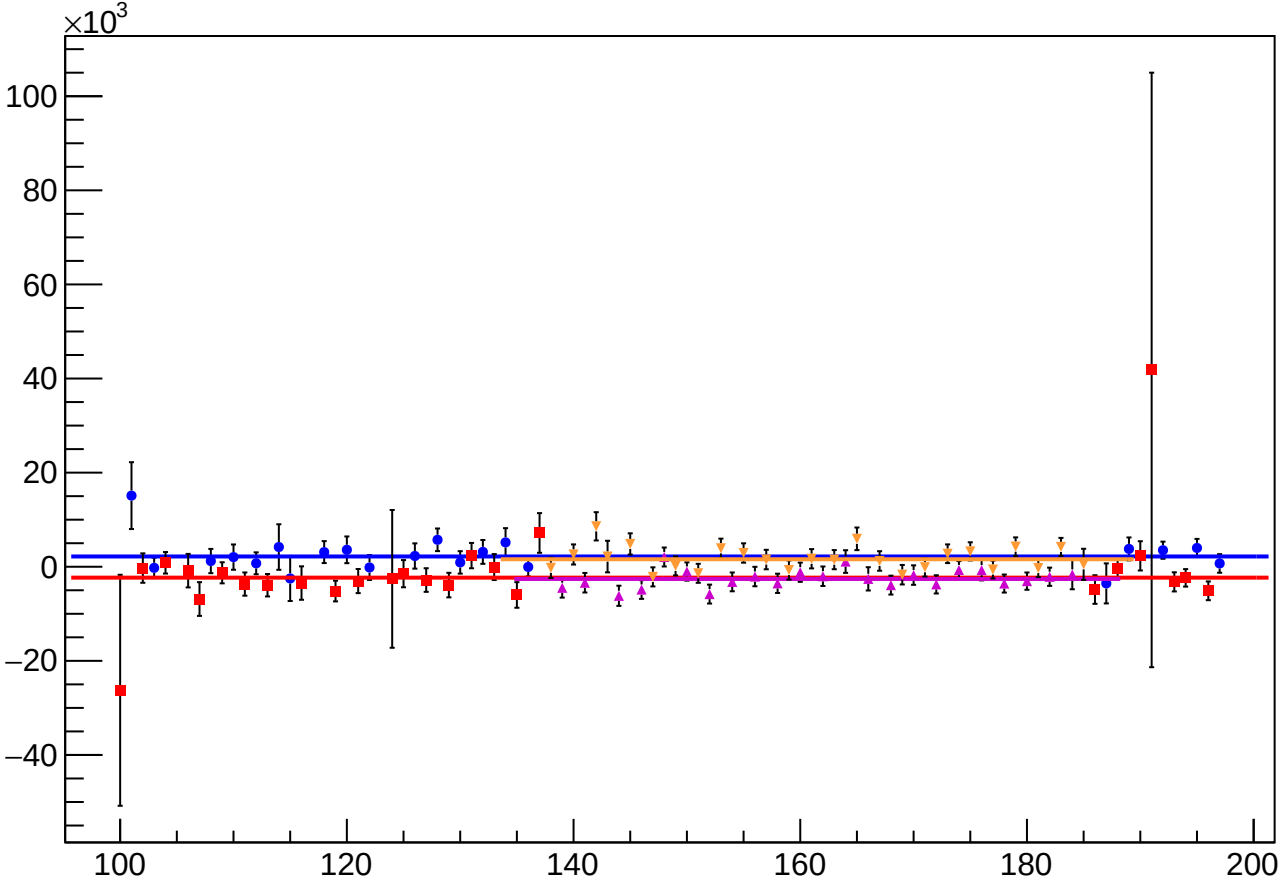
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2894.823+/-0.446 χ^2/NDF: 17265857.1/45

All: 2731.356+/-0.309 χ^2/NDF: 40897512.1/9

- sign 2581.321+/-0.427 χ^2/NDF: 23374067.3/48

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2183.244+/-550.888 χ^2/NDF: 16.4/20

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2317.225+/-528.293 χ^2/NDF: 25.5/25

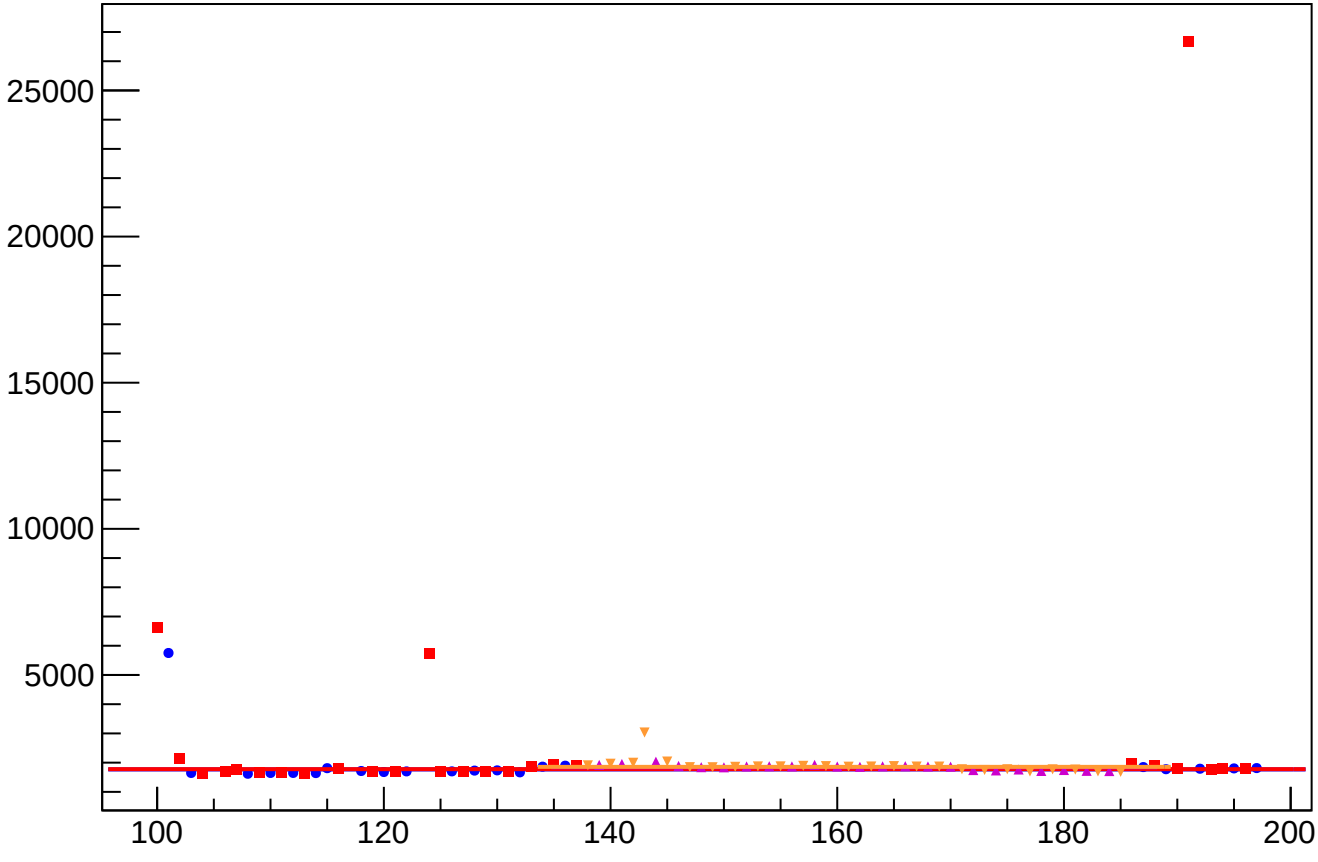
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1811.763+/-335.652 χ^2/NDF: 48.4/45

All: -350.056+/-236.624 χ^2/NDF: 176.7/94

- sign -2485.907+/-333.630 χ^2/NDF: 45.8/48

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1767.236+/-0.390 χ^2/NDF: 674687.7/20

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

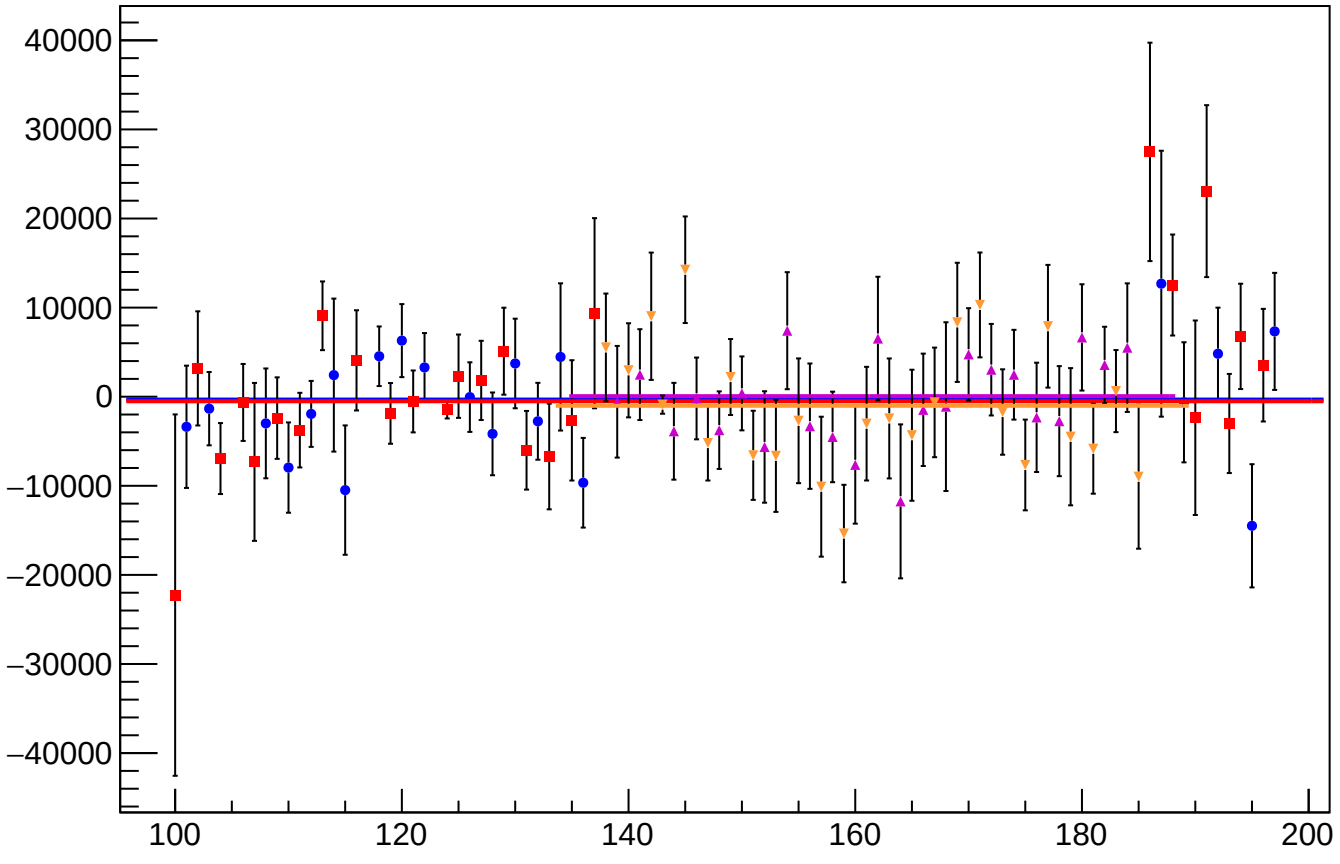
Right Out: 1777.054+/-0.373 χ^2/NDF: 630102.7/25

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1822.771+/-0.237 χ^2/NDF: 1031280.5/45

All: 1819.065+/-0.167 χ^2/NDF: 1750510.3/94

- sign 1815.411+/-0.236 χ^2/NDF: 718745.6/48



Right In: -321.408+/-1094.737 χ^2/NDF: 23.3/20

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -513.975+/-705.008 χ^2/NDF: 37.7/25

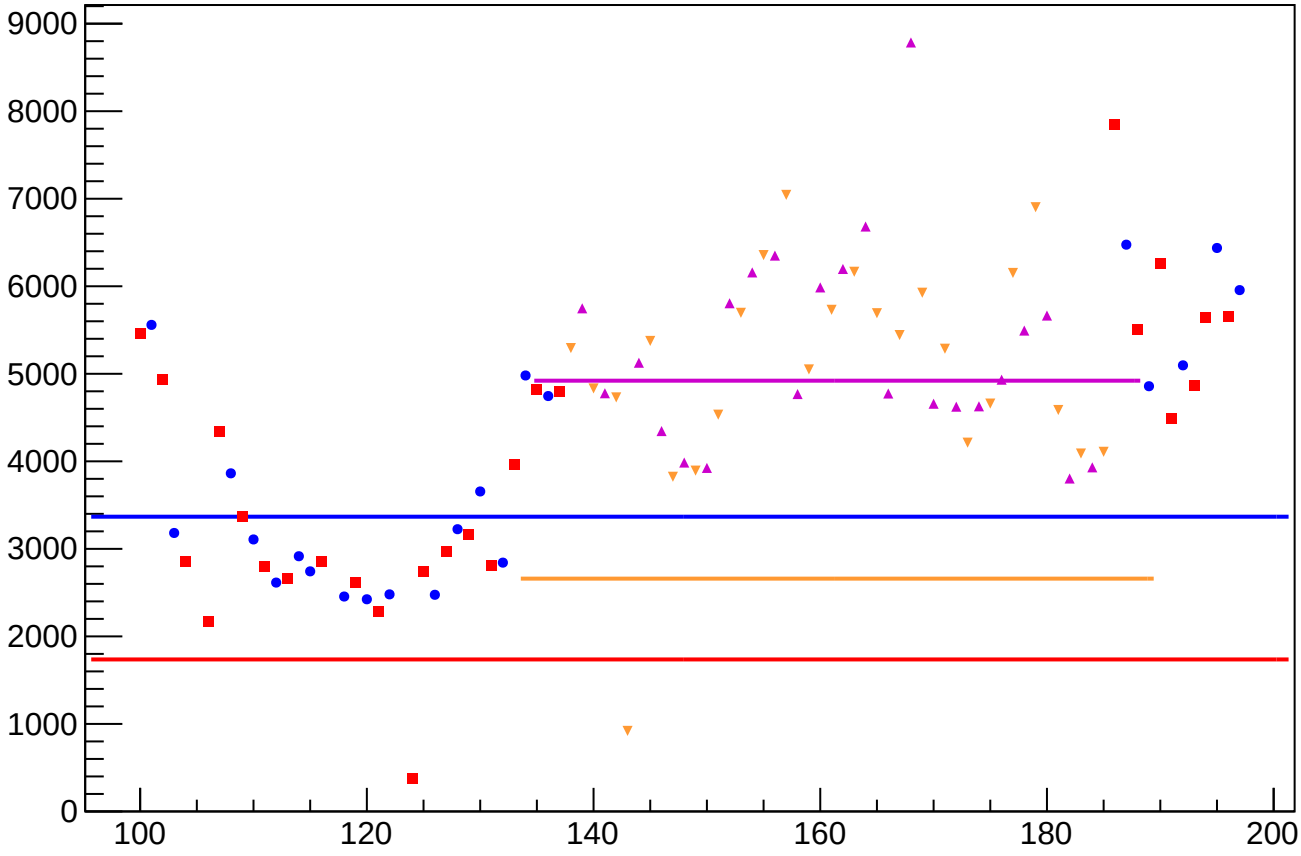
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -787.198+/-630.794 χ^2/NDF: 57.3/45

All: -565.038+/-436.379 χ^2/NDF: 108.5/94

- sign -361.133+/-604.323 χ^2/NDF: 50.9/48

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3367.458+/-0.774 χ^2/NDF: 2170967.8/20

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1736.647+/-0.499 χ^2/NDF: 11298741.8/25

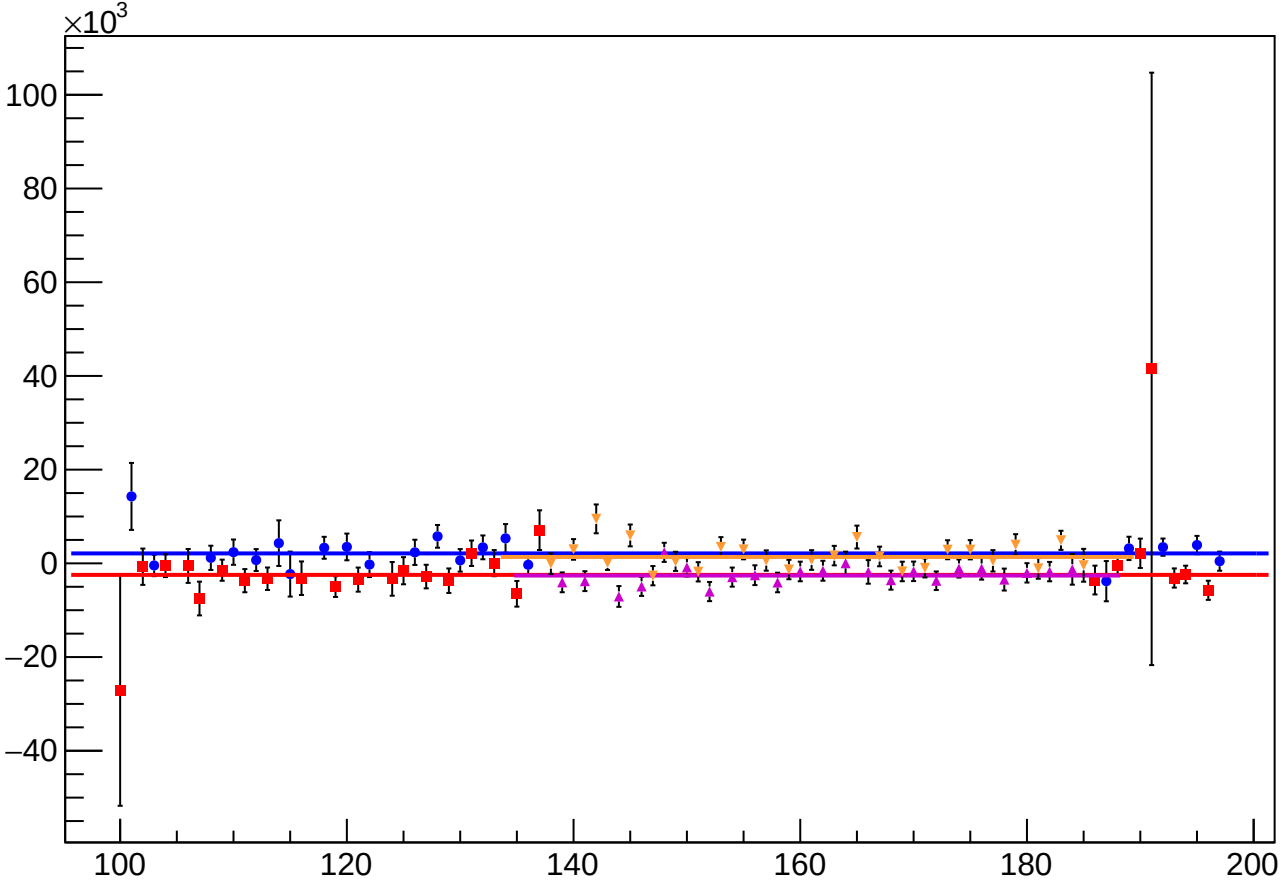
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2894.823+/-0.446 χ^2/NDF: 17265857.1/45

All: 2731.356+/-0.309 χ^2/NDF: 40897512.1/9

- sign 2581.321+/-0.427 χ^2/NDF: 23374067.3/48

dit_asym_atr1l2_avg_mean vs Slug



Right In: 2120.428+/-557.782 χ^2/NDF: 16.6/20

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2462.505+/-531.125 χ^2/NDF: 24.0/25

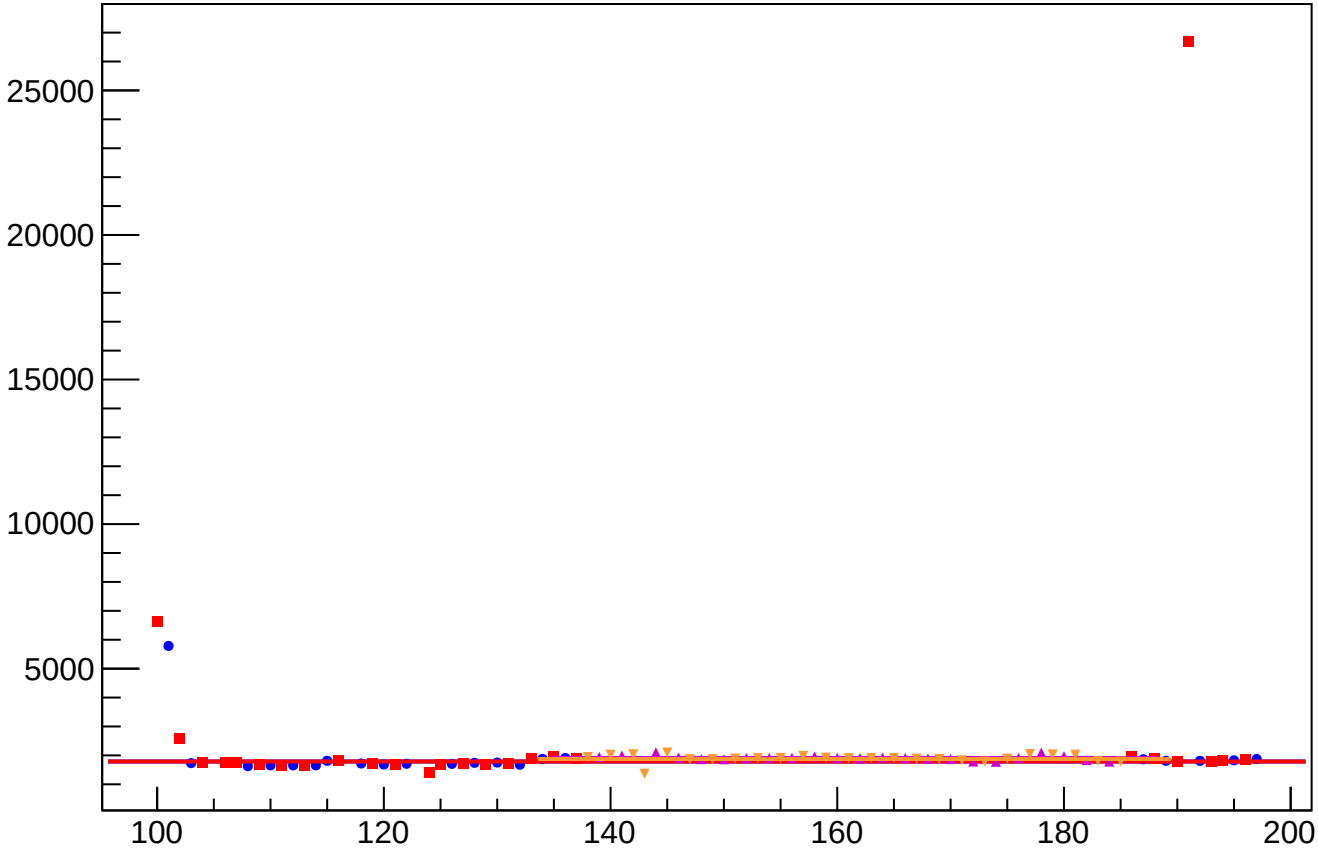
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1643.702+/-339.222 χ^2/NDF: 53.9/45

All: -434.130+/-240.801 χ^2/NDF: 173.5/94

- sign -2544.690+/-341.883 χ^2/NDF: 44.1/48

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1789.116+/-0.394 χ^2/NDF: 674618.1/20

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

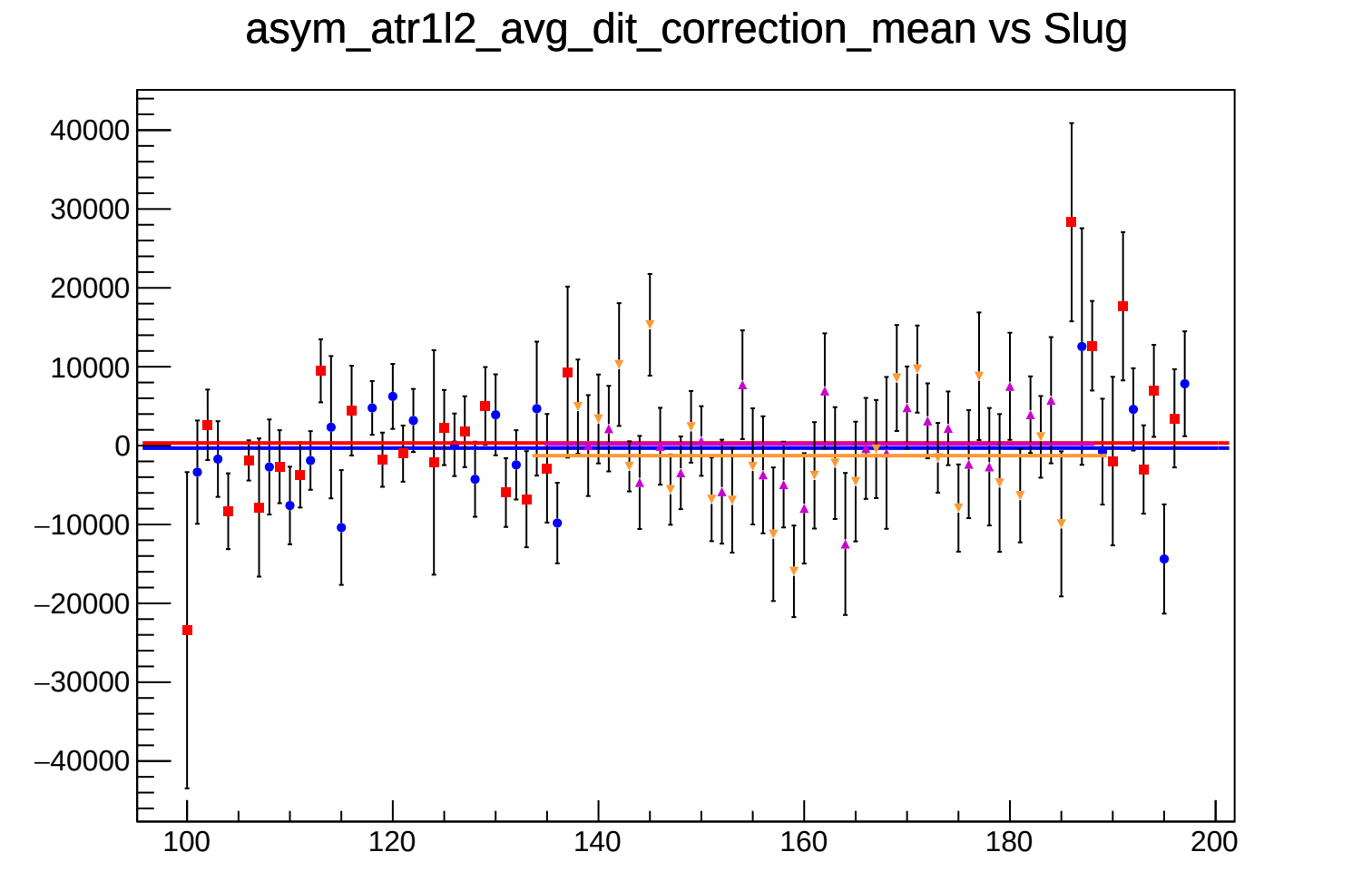
Right Out: 1787.638+/-0.375 χ^2/NDF: 554082.7/25

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1842.086+/-0.240 χ^2/NDF: 1012976.1/45

All: 1850.994+/-0.170 χ^2/NDF: 1692729.3/94

- sign 1860.030+/-0.242 χ^2/NDF: 676975.2/48



Right In: -316.669+/-1115.897 χ^2/NDF: 23.0/20

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 329.772+/-990.772 χ^2/NDF: 34.8/25

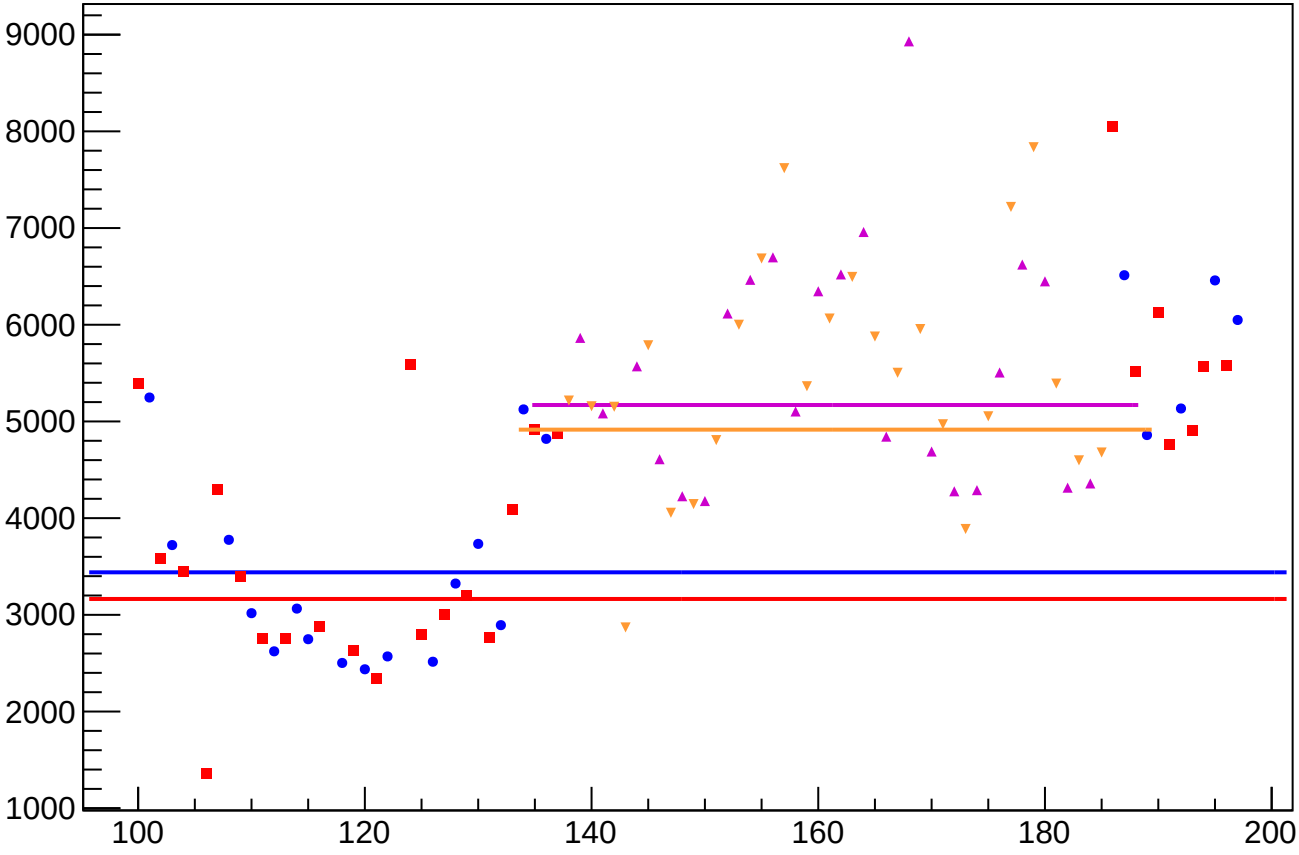
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

\+ sign -776.341+/-802.906 χ^2/NDF: 56.8/45

All: -229.110+/-556.755 χ^2/NDF: 105.2/94

\- sign 277.725+/-772.703 χ^2/NDF: 47.5/48

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3439.718+/-0.789 χ^2/NDF: 2107139.8/20

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3164.179+/-0.701 χ^2/NDF: 3297214.0/25

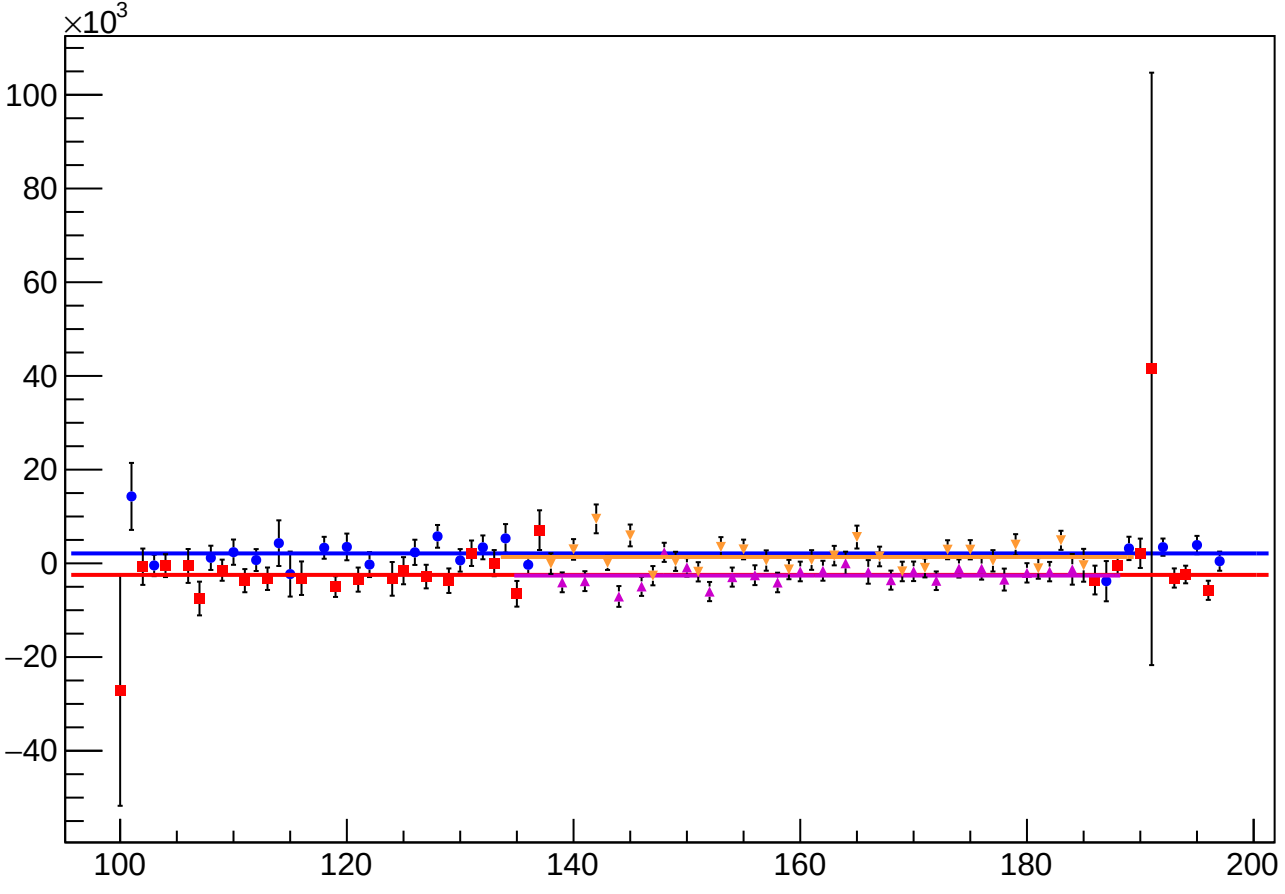
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4151.360+/-0.568 χ^2/NDF: 5959882.9/45

All: 4046.813+/-0.394 χ^2/NDF: 13882525.7/9

- sign 3949.984+/-0.546 χ^2/NDF: 7857326.8/48

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2120.427+/-557.782 χ^2/NDF: 16.6/20

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2462.505+/-531.125 χ^2/NDF: 24.0/25

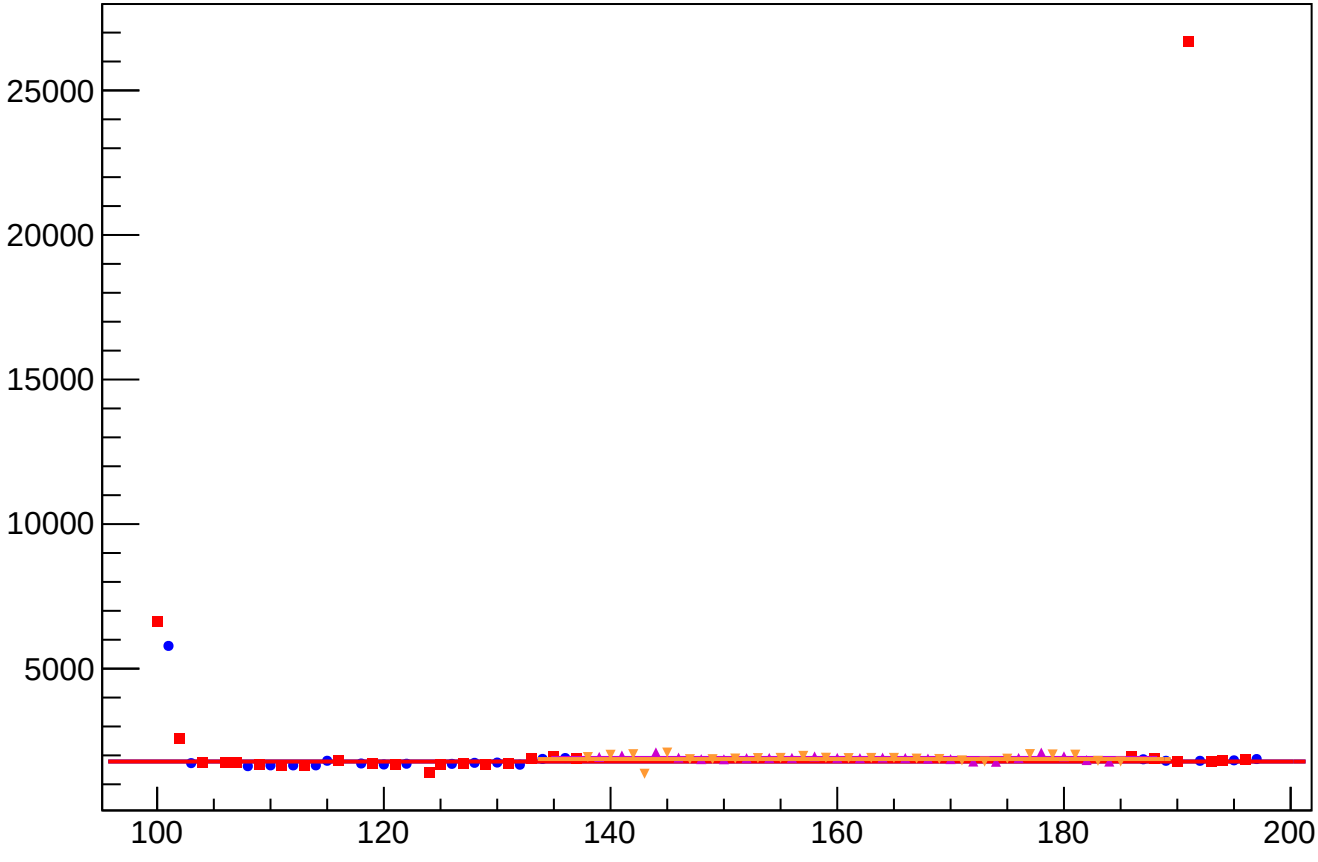
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1643.700+/-339.222 χ^2/NDF: 53.9/45

All: -434.131+/-240.802 χ^2/NDF: 173.5/94

- sign -2544.689+/-341.883 χ^2/NDF: 44.1/48

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1789.116+/-0.394 χ^2/NDF: 674618.1/20

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

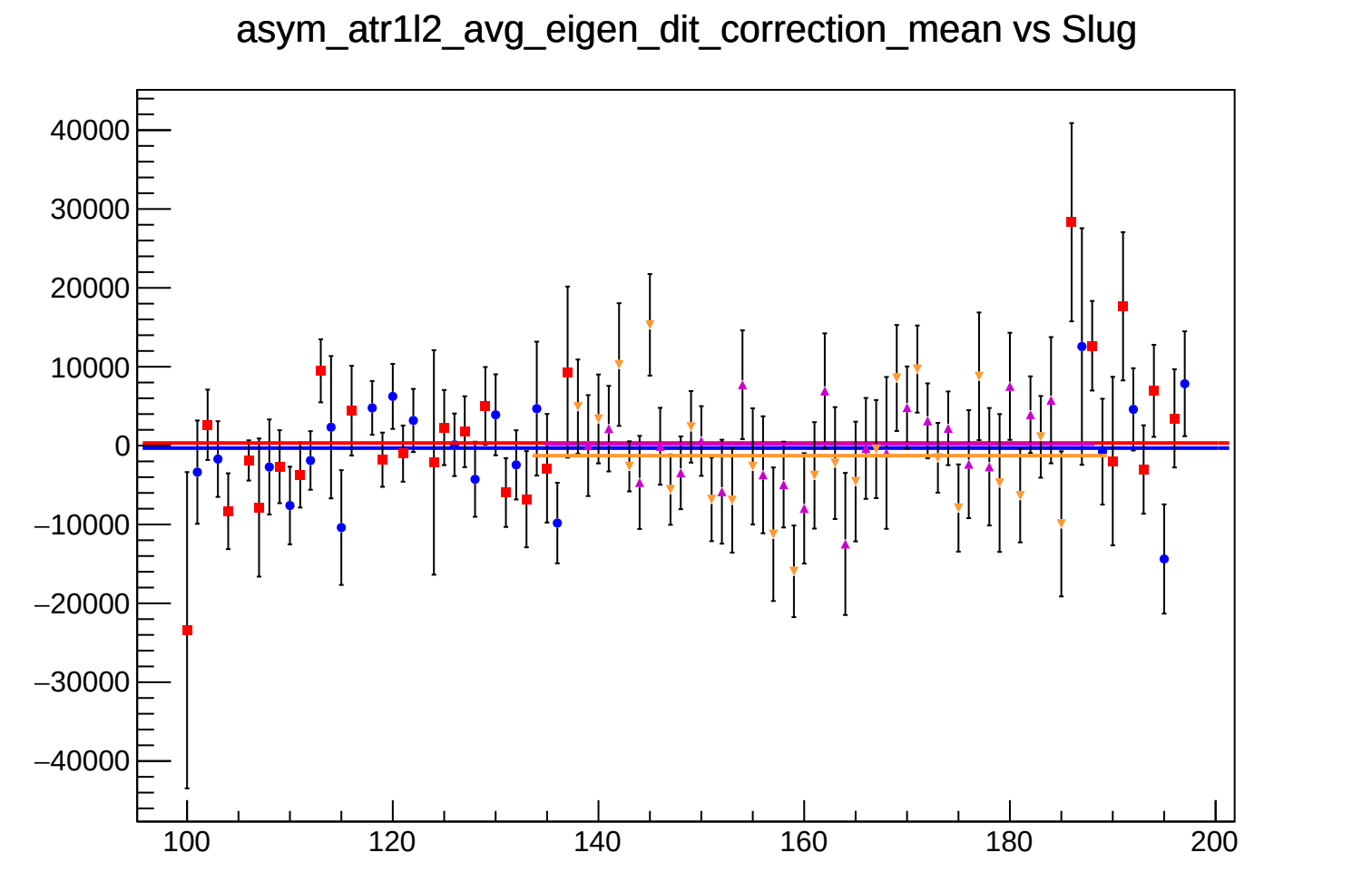
Right Out: 1787.638+/-0.375 χ^2/NDF: 554082.7/25

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1842.087+/-0.240 χ^2/NDF: 1012980.3/45

All: 1850.995+/-0.170 χ^2/NDF: 1692736.9/94

- sign 1860.030+/-0.242 χ^2/NDF: 676978.5/48



Right In: -316.663+/-1115.894 χ^2/NDF: 23.0/20

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 329.765+/-990.769 χ^2/NDF: 34.8/25

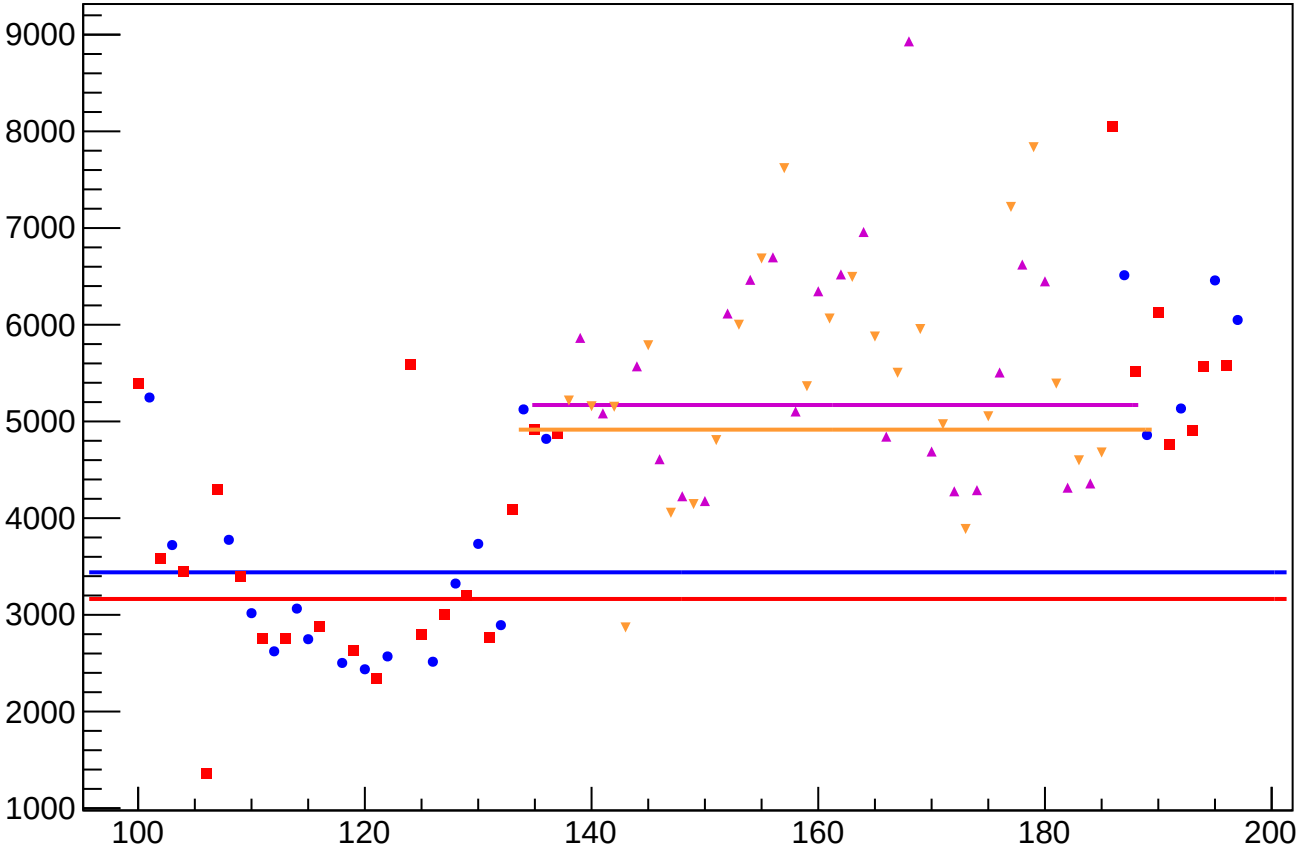
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

\+ sign -776.340+/-802.905 χ^2/NDF: 56.8/45

All: -229.111+/-556.754 χ^2/NDF: 105.2/94

\- sign 277.721+/-772.702 χ^2/NDF: 47.5/48

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3439.707+/-0.789 χ^2/NDF: 2107167.7/20

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3164.166+/-0.701 χ^2/NDF: 3297257.1/25

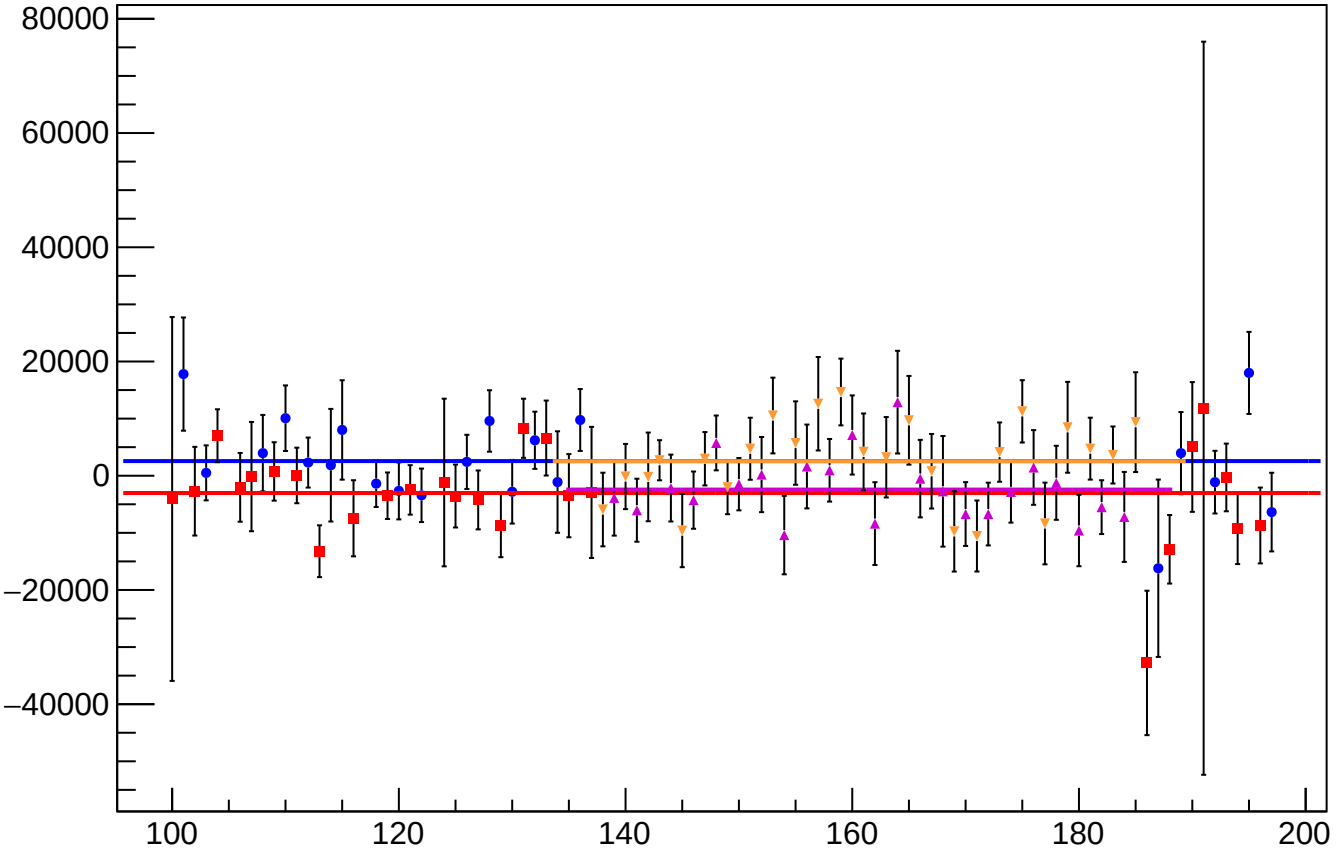
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4151.354+/-0.568 χ^2/NDF: 5959960.0/45

All: 4046.805+/-0.394 χ^2/NDF: 13882719.7/9

- sign 3949.974+/-0.546 χ^2/NDF: 7857441.1/48

asym_atr1l2_avg_mean vs Slug



Right In: 2565.360+/-1267.627 χ^2/NDF: 21.7/20

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -3023.977+/-1210.973 χ^2/NDF: 30.1/25

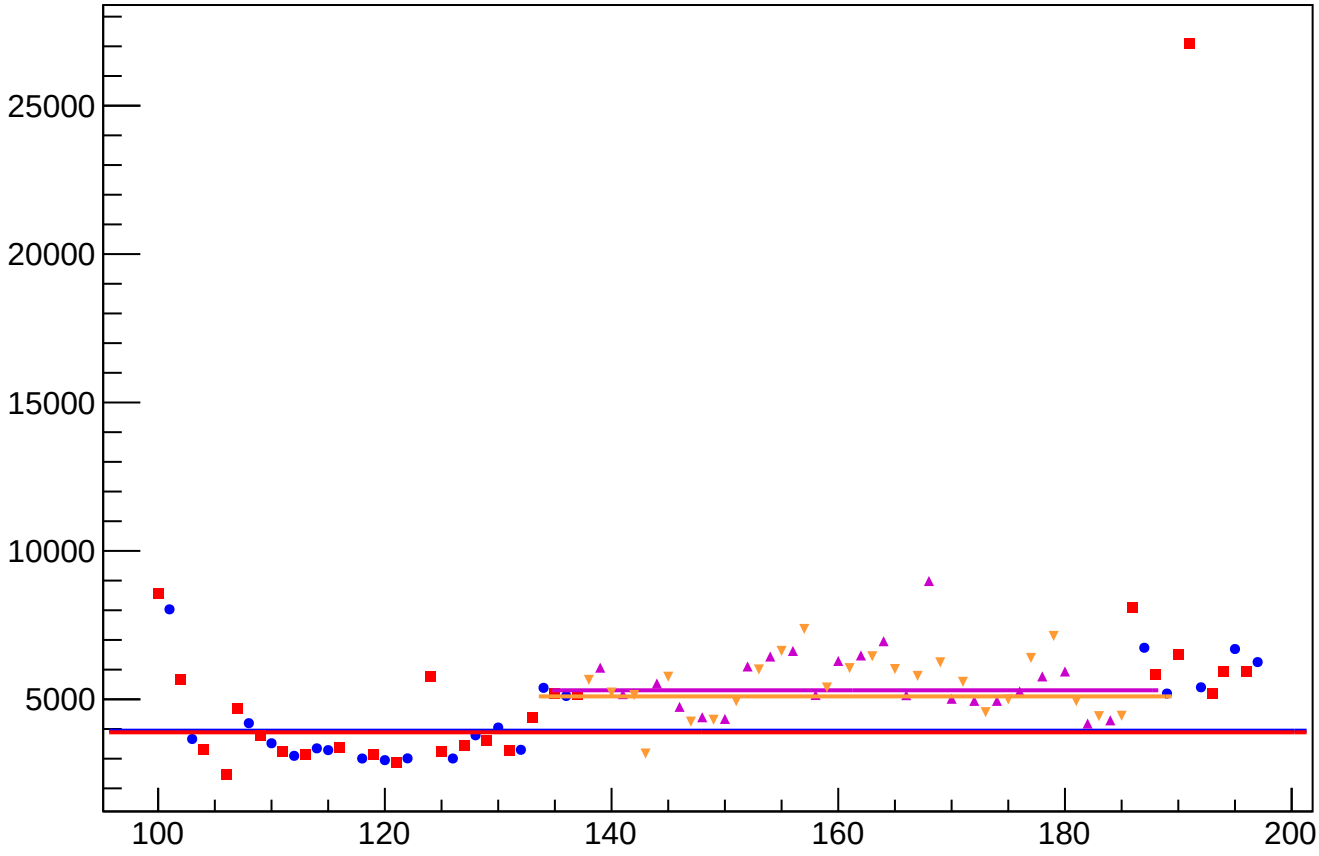
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2555.621+/-866.698 χ^2/NDF: 50.8/45

All: -70.722+/-615.060 χ^2/NDF: 114.5/94

- sign -2735.333+/-872.990 χ^2/NDF: 45.2/48

asym_atr1l2_avg_rms vs Slug



Right In: 3943.240+/-0.896 χ^2/NDF: 1762989.9/20

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

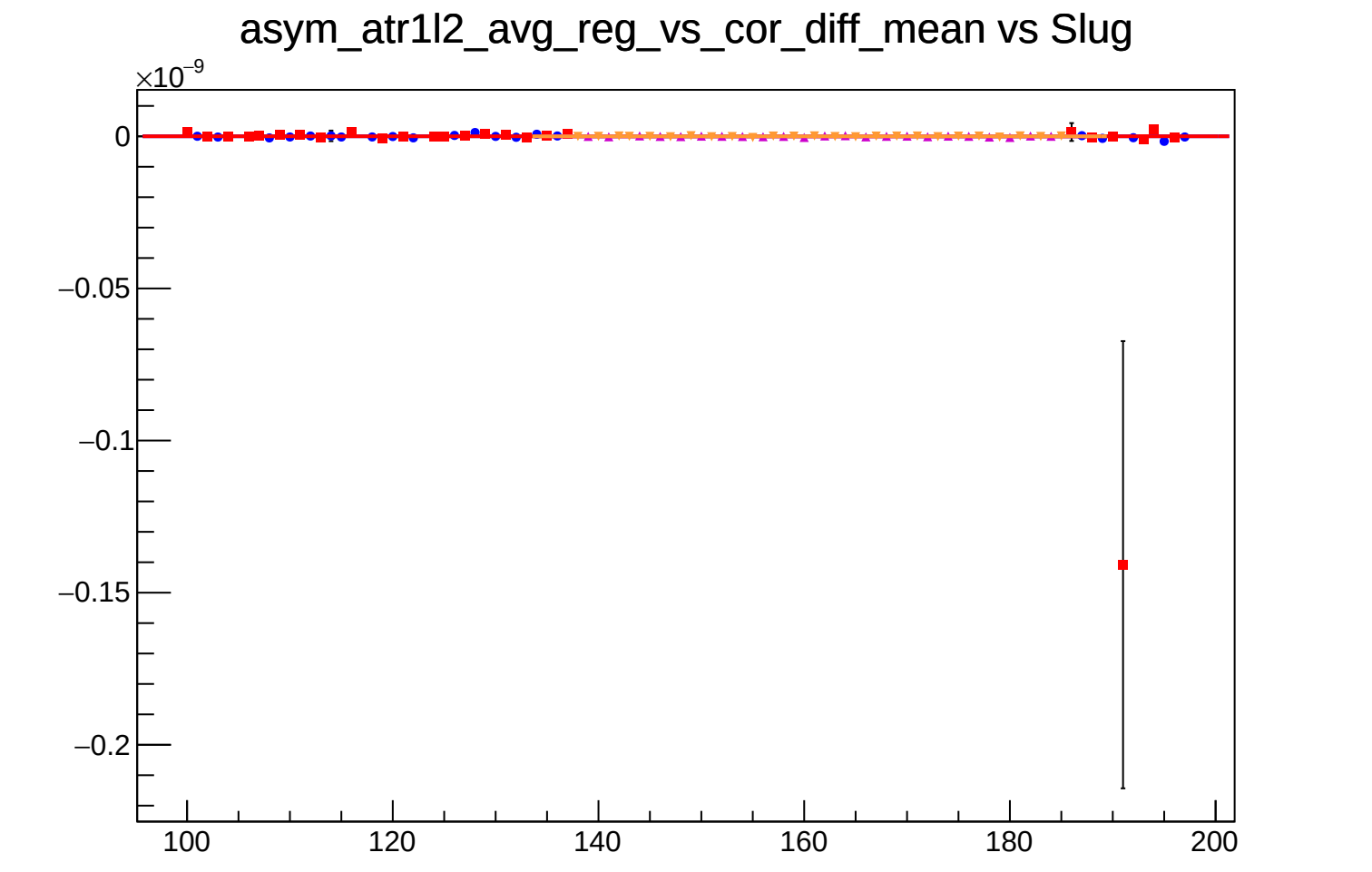
Right Out: 3887.936+/-0.846 χ^2/NDF: 2181261.5/25

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4558.183+/-0.613 χ^2/NDF: 4191213.8/45

All: 4558.696+/-0.433 χ^2/NDF: 8720282.5/94

- sign 4559.210+/-0.613 χ^2/NDF: 4529067.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

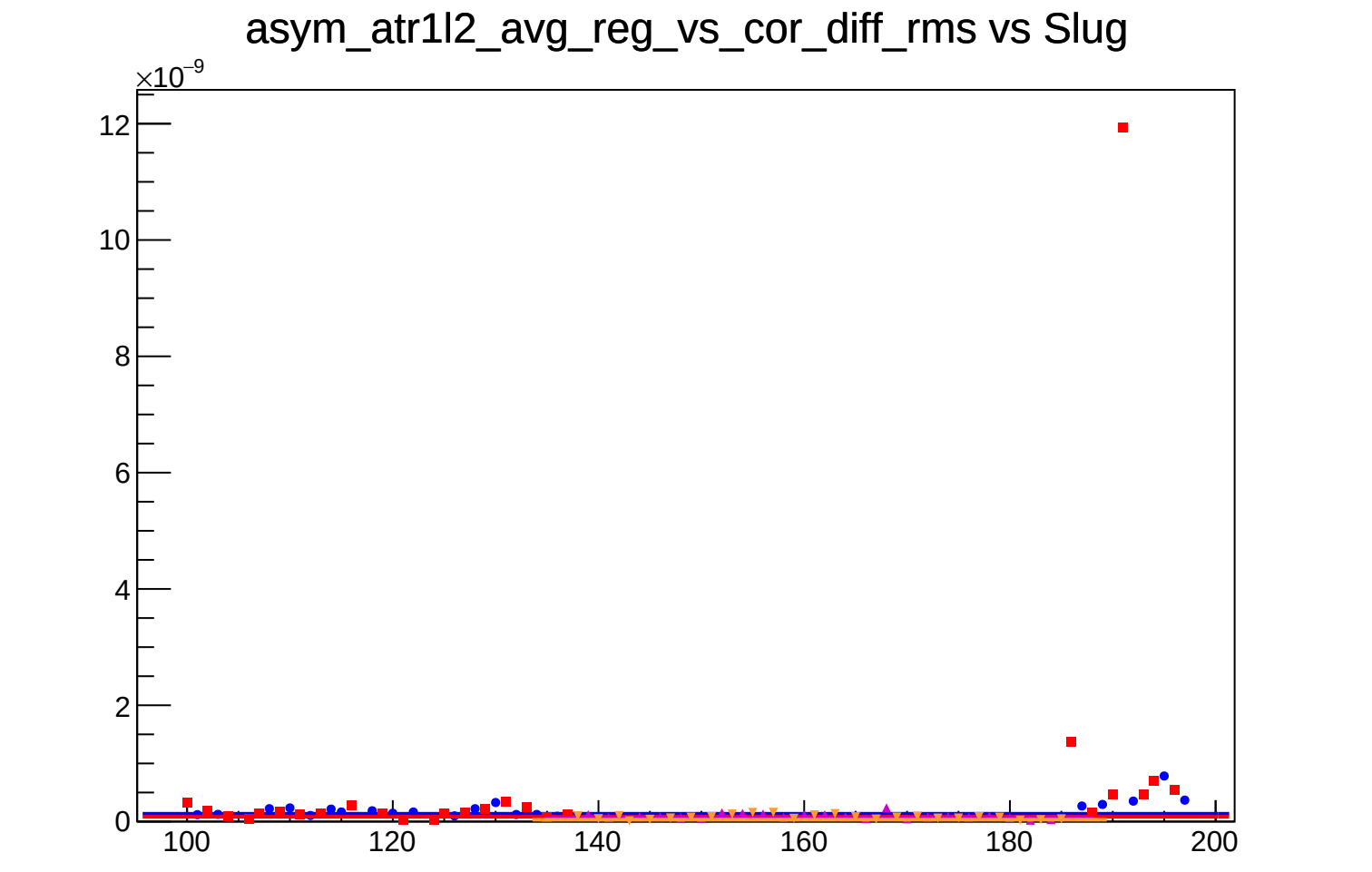
Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/25

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.1/45

All: 0.000+/-0.000 χ^2/NDF: 95.2/94

- sign 0.000+/-0.000 χ^2/NDF: 58.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 1892693.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4896973.0/25

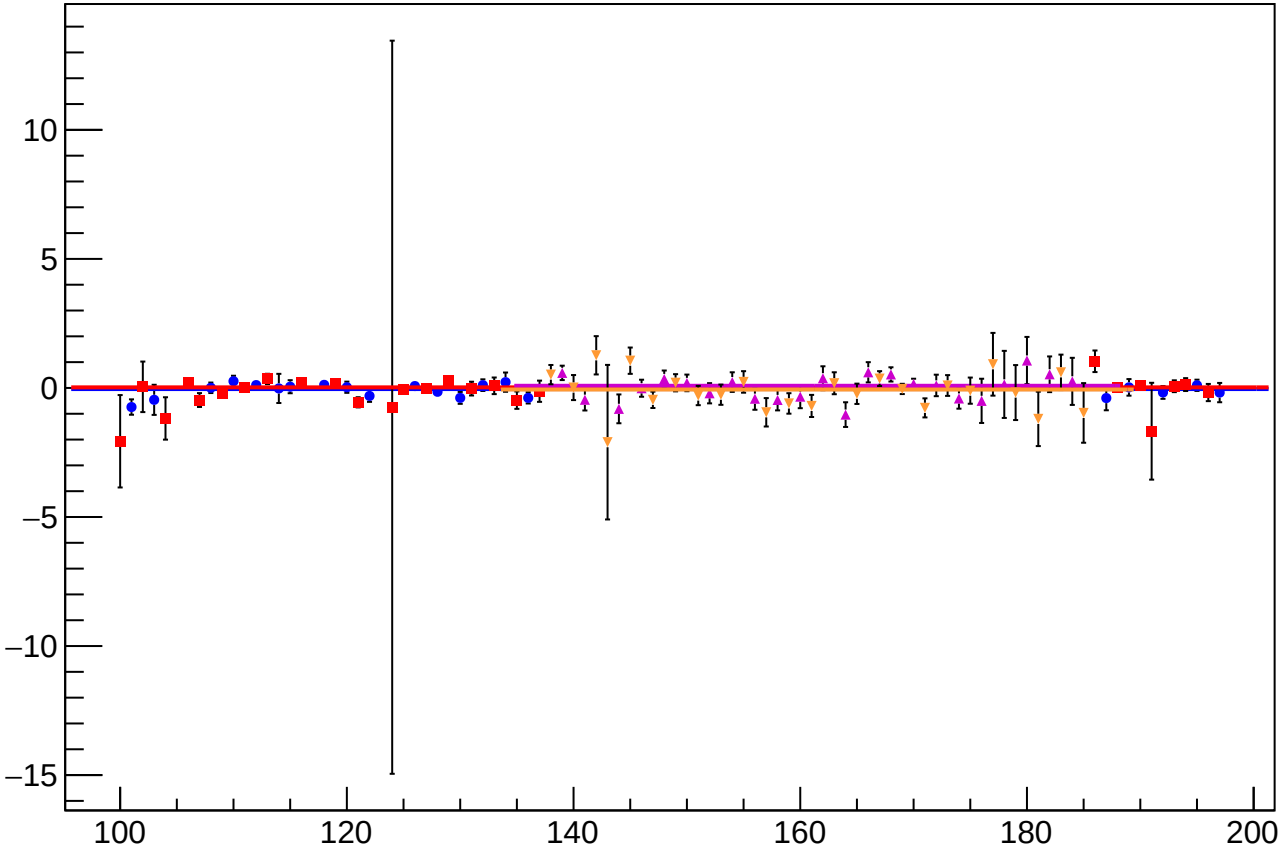
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11901523.8/45

All: 0.000+/-0.000 χ^2/NDF: 21725805.4/94

- sign 0.000+/-0.000 χ^2/NDF: 7467112.1/48

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.043+/-0.051 χ^2/NDF: 19.4/20

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.023+/-0.043 χ^2/NDF: 36.3/25

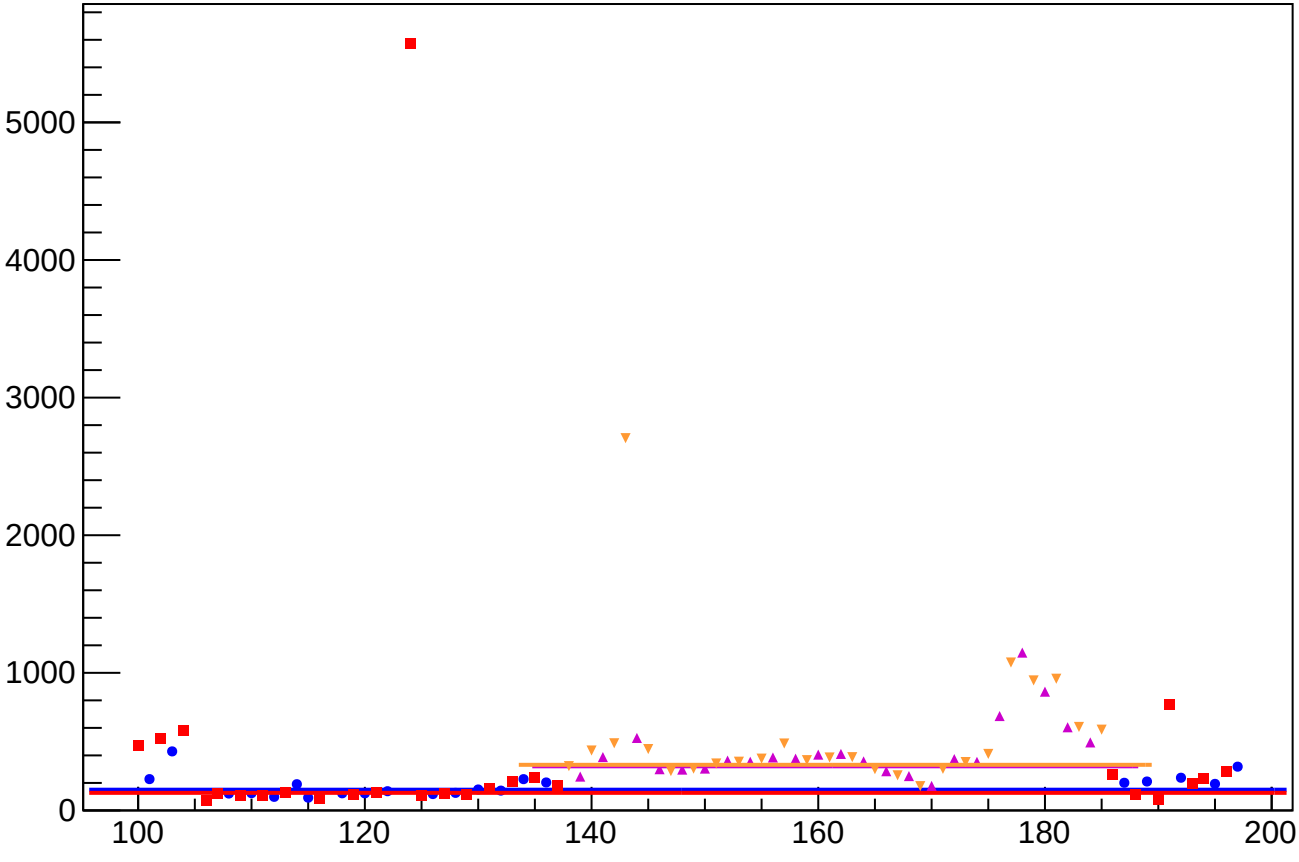
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.044 χ^2/NDF: 50.2/45

All: -0.000+/-0.029 χ^2/NDF: 116.0/94

- sign 0.036+/-0.038 χ^2/NDF: 63.7/48

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 150.822+/-0.036 χ^2/NDF: 2197673.8/20

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 127.996+/-0.031 χ^2/NDF: 3788924.1/25

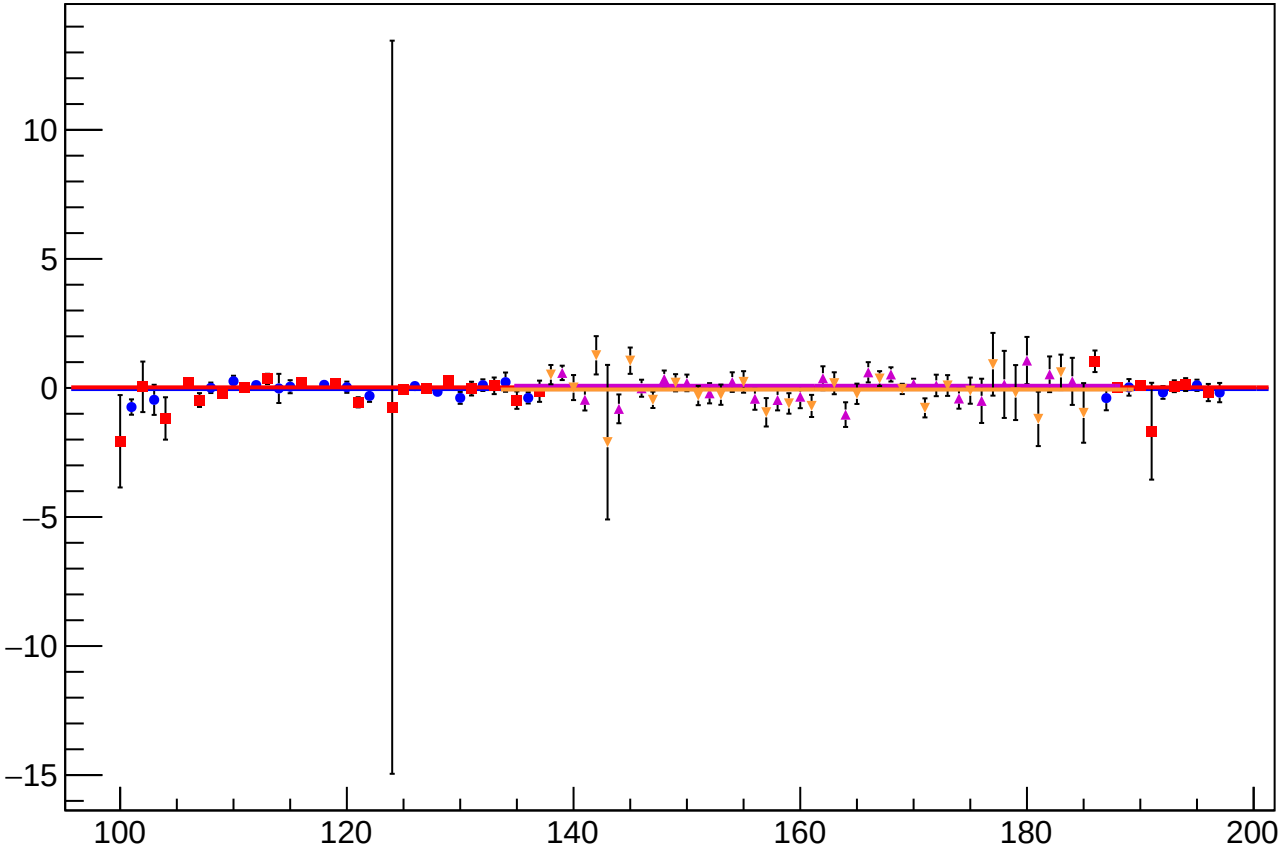
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 200.243+/-0.031 χ^2/NDF: 14820791.0/45

All: 183.562+/-0.020 χ^2/NDF: 32148313.2/94

- sign 170.816+/-0.027 χ^2/NDF: 16814698.3/48

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.043+/-0.051 χ^2/NDF: 19.4/20

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.023+/-0.043 χ^2/NDF: 36.3/25

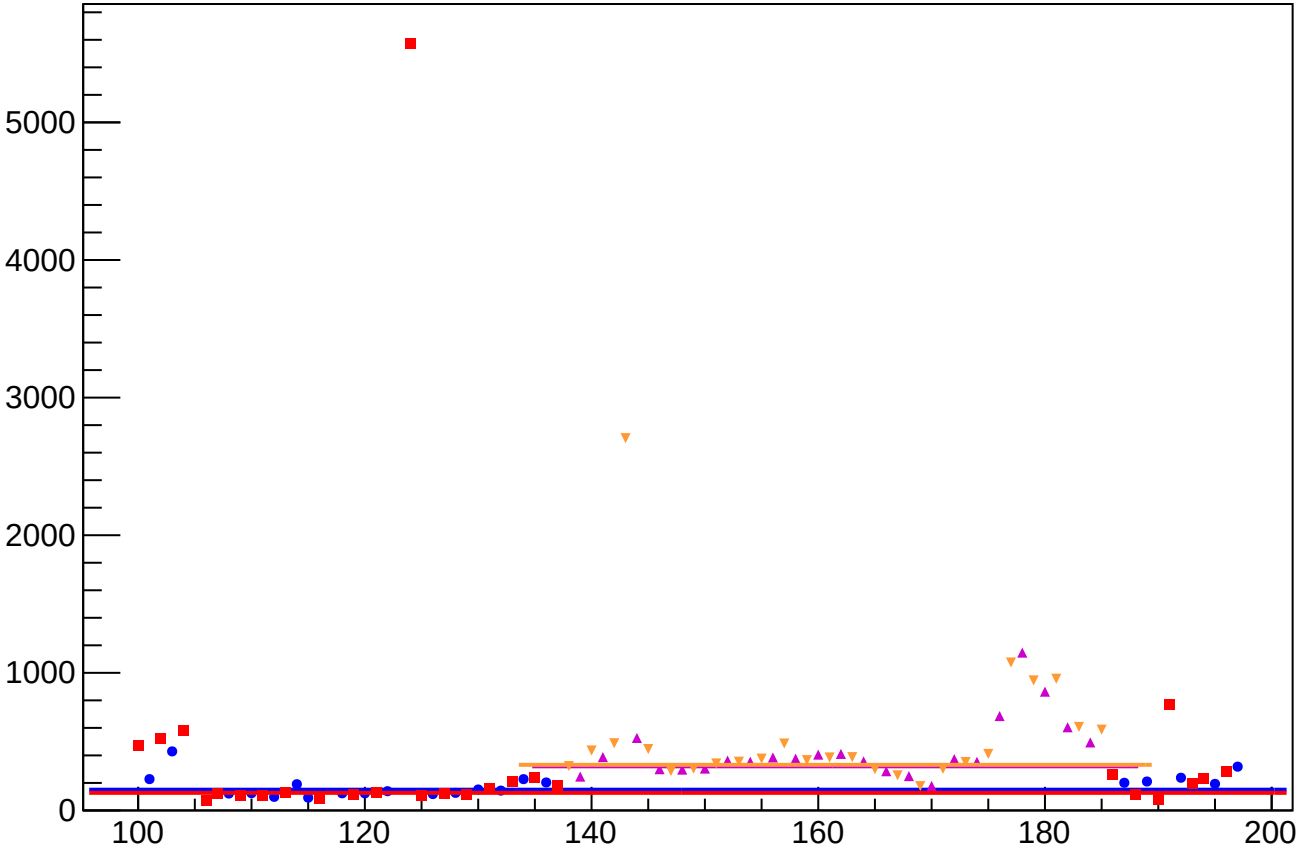
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.048+/-0.044 χ^2/NDF: 50.2/45

All: -0.000+/-0.029 χ^2/NDF: 116.0/94

- sign 0.036+/-0.038 χ^2/NDF: 63.7/48

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 150.822+/-0.036 χ^2/NDF: 2197673.8/20

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

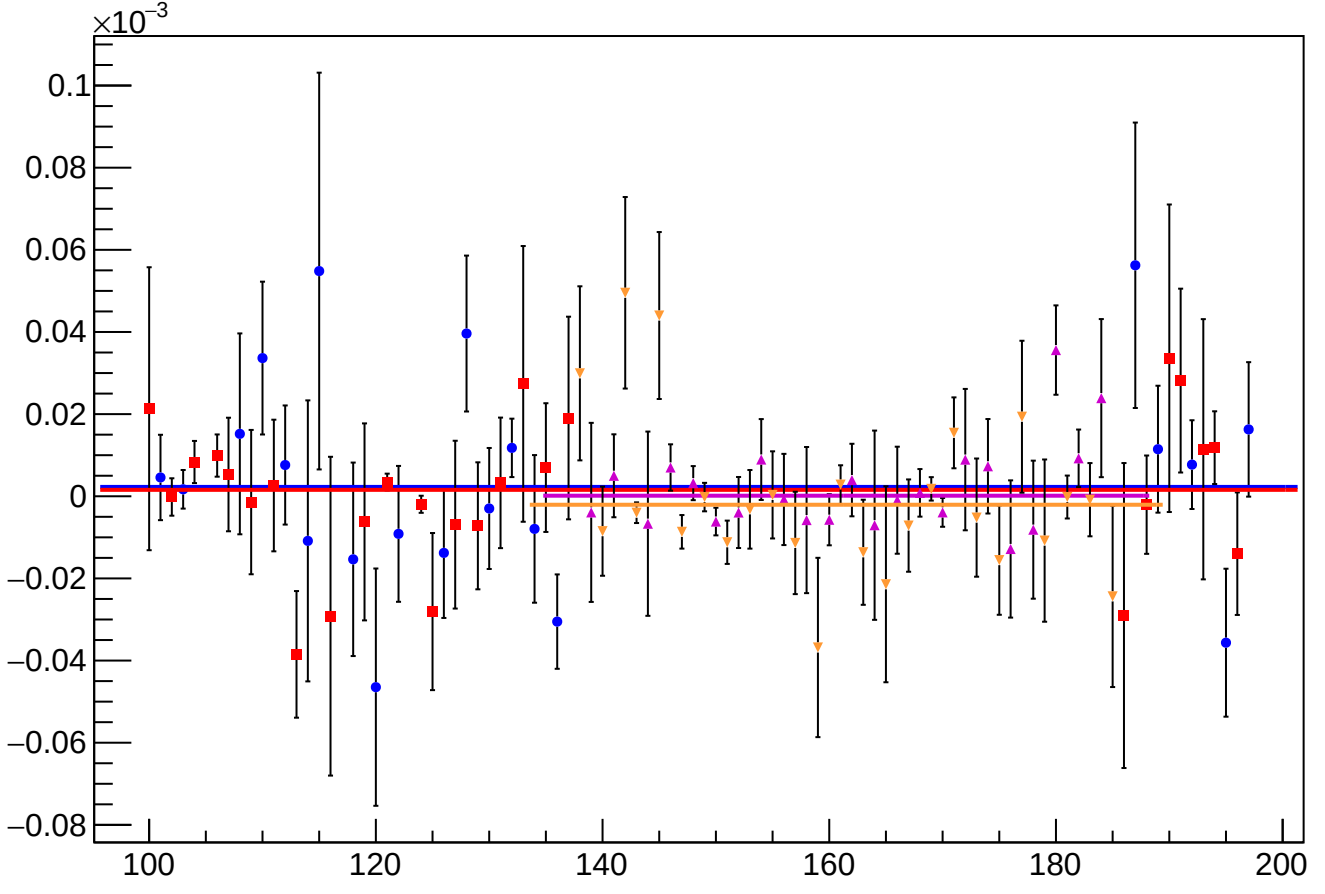
Right Out: 127.996+/-0.031 χ^2/NDF: 3788924.1/25

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 200.243+/-0.031 χ^2/NDF: 14820791.0/45

All: 183.562+/-0.020 χ^2/NDF: 32148313.2/94

- sign 170.816+/-0.027 χ^2/NDF: 16814698.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 32.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

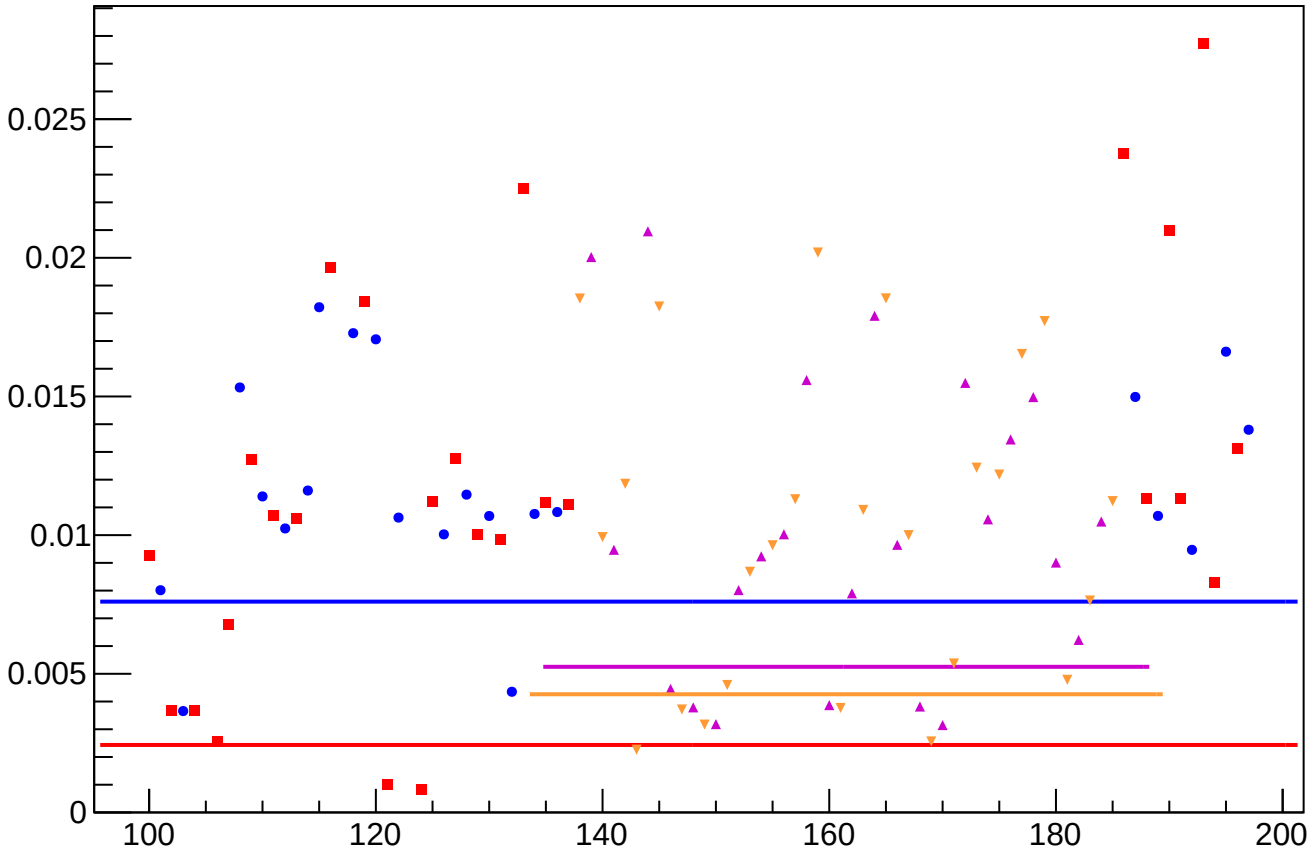
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/25

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.9/45

All: 0.000+/-0.000 χ^2/NDF: 122.5/94

- sign 0.000+/-0.000 χ^2/NDF: 51.1/48



Right In: 0.008+/-0.000 χ^2/NDF: 4377571.0/20

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

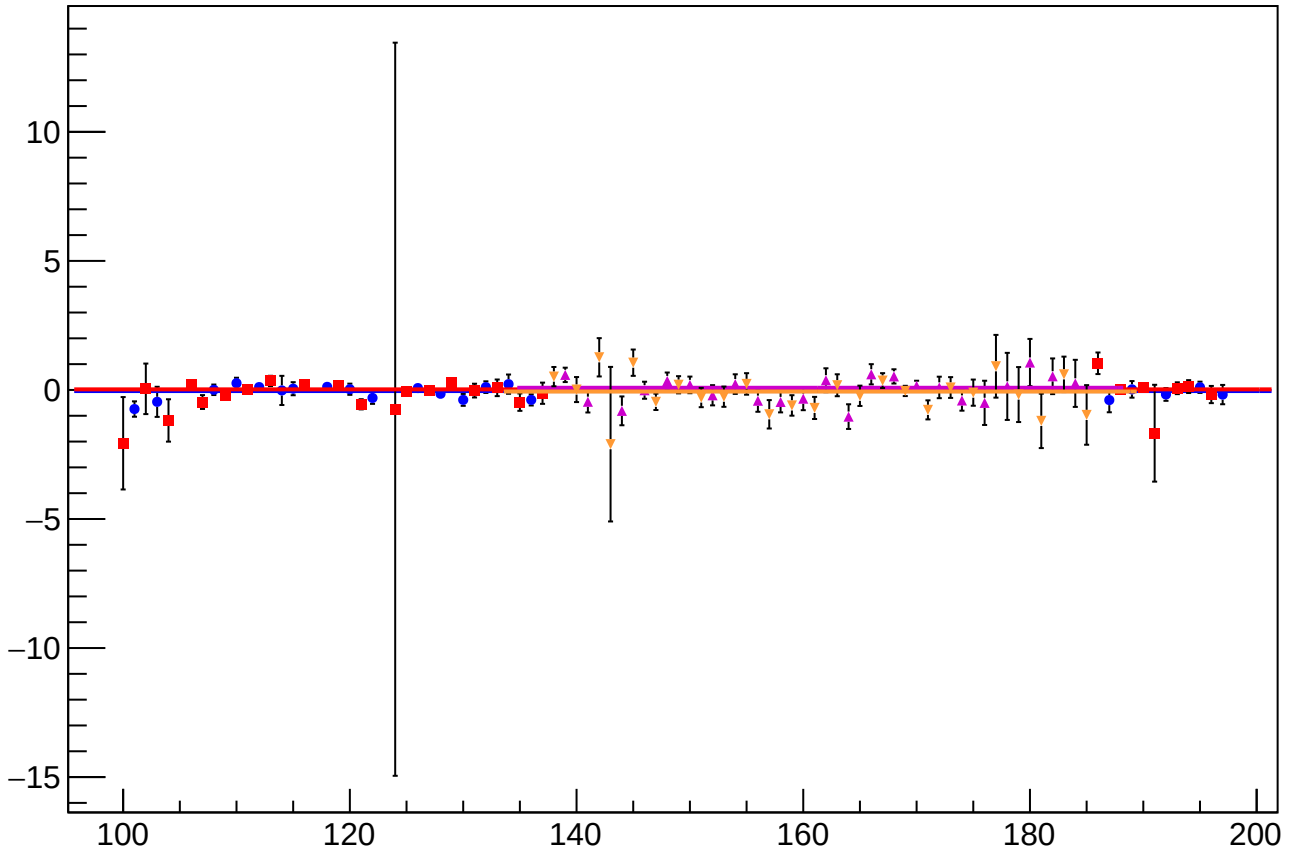
Right Out: 0.002+/-0.000 χ^2/NDF: 14964743.4/25

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 19822302.2/45

All: 0.004+/-0.000 χ^2/NDF: 49989107.7/94

- sign 0.004+/-0.000 χ^2/NDF: 28657539.6/48



Right In: -0.043+/-0.051 χ^2/NDF: 19.4/20

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.023+/-0.043 χ^2/NDF: 36.3/25

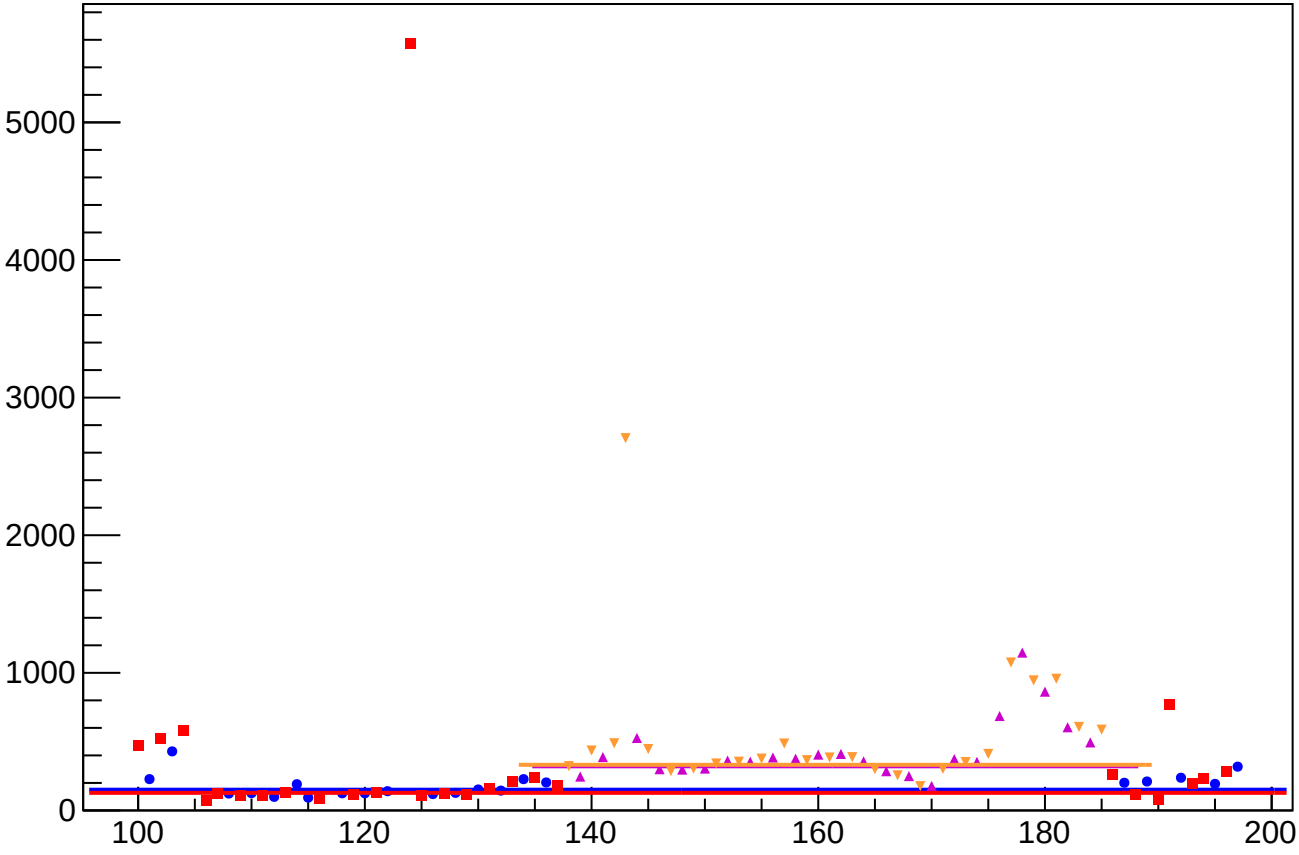
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.048+/-0.044 χ^2/NDF: 50.2/45

All: -0.000+/-0.029 χ^2/NDF: 116.0/94

\- sign 0.036+/-0.038 χ^2/NDF: 63.7/48

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 150.823+/-0.036 χ^2/NDF: 2197590.8/20

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

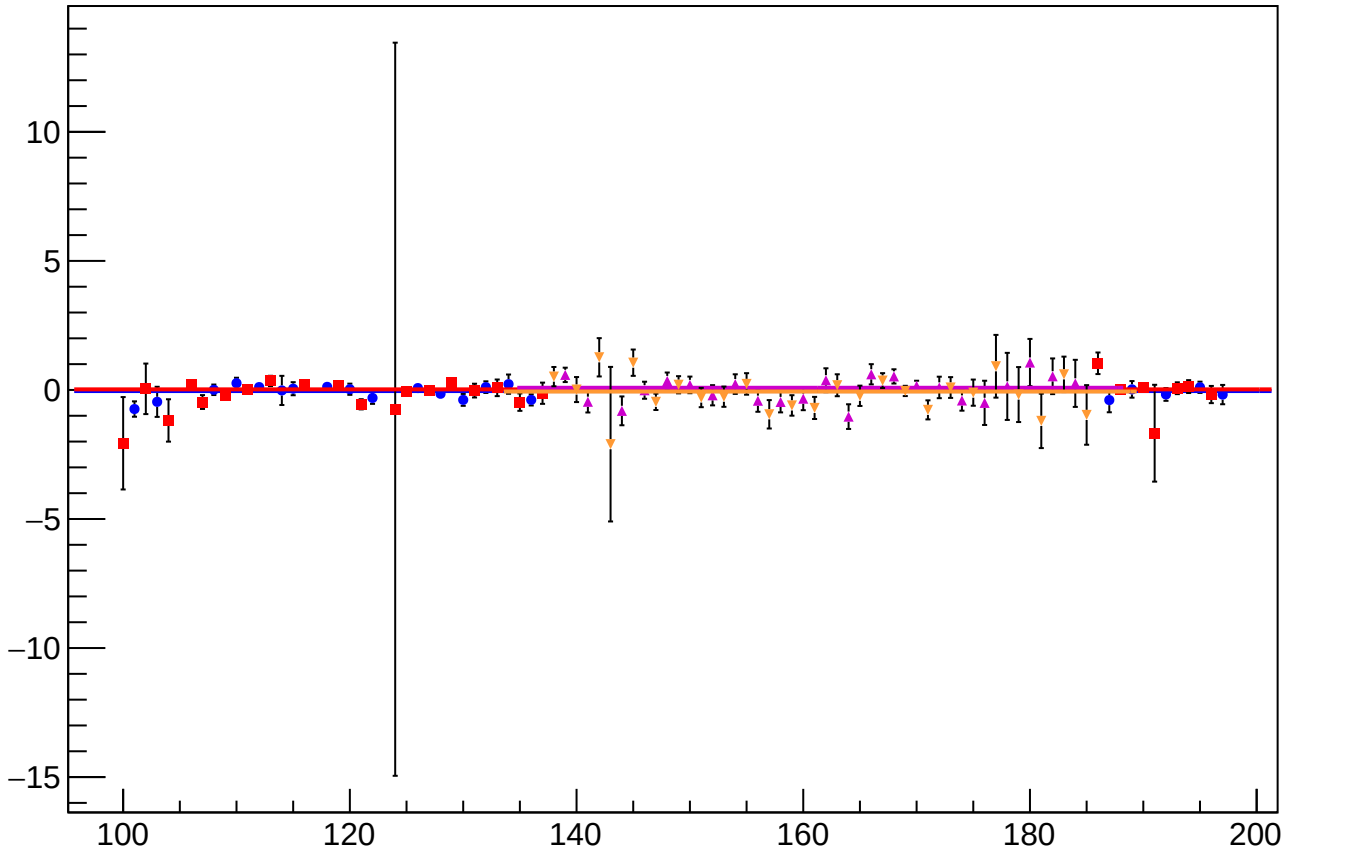
Right Out: 127.995+/-0.031 χ^2/NDF: 3788878.9/25

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 200.244+/-0.031 χ^2/NDF: 14820766.0/45

All: 183.562+/-0.020 χ^2/NDF: 32148484.8/94

- sign 170.815+/-0.027 χ^2/NDF: 16814845.1/48



Right In: -0.043+/-0.051 χ^2/NDF: 19.4/20

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

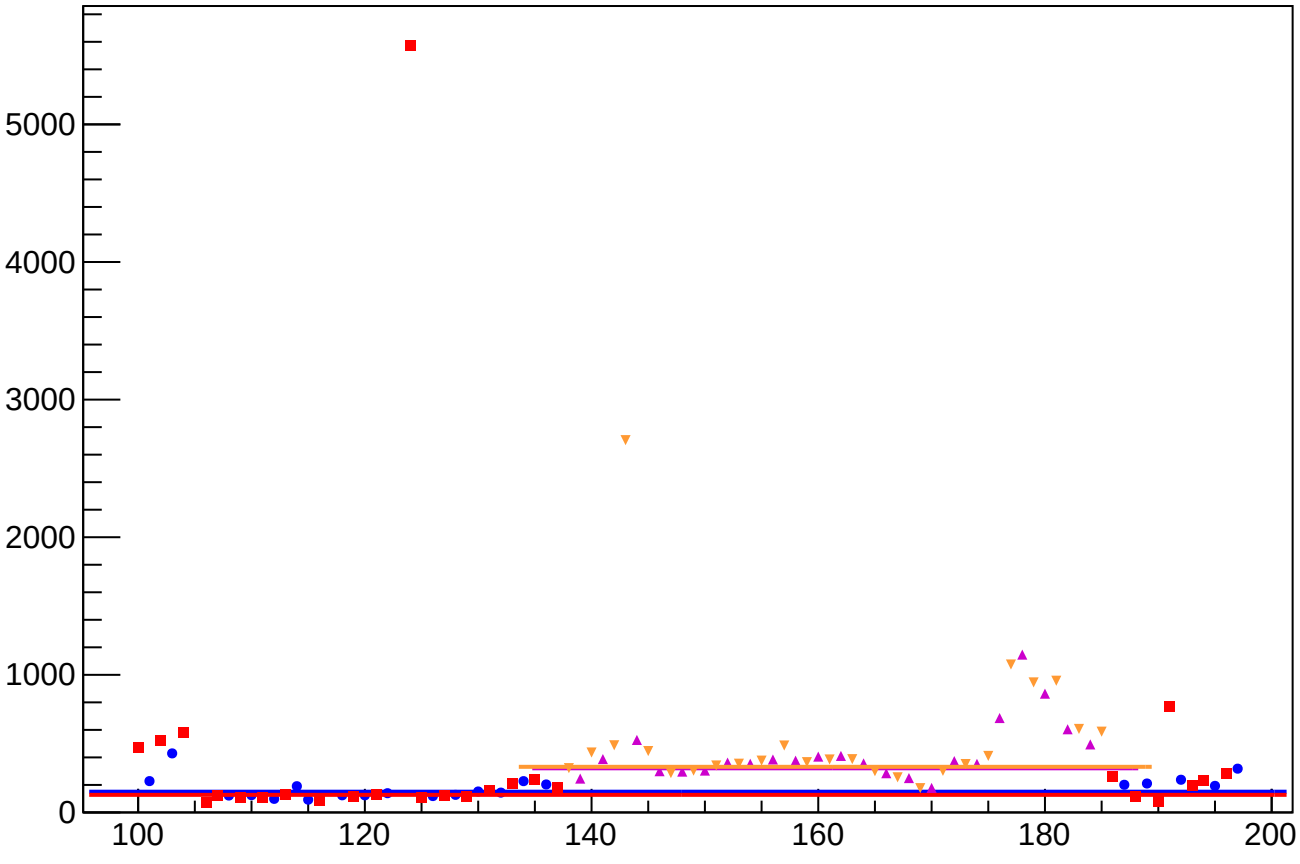
Right Out: 0.023+/-0.043 χ^2/NDF: 36.3/25

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.048+/-0.044 χ^2/NDF: 50.2/45

All: -0.000+/-0.029 χ^2/NDF: 116.0/94

\- sign 0.036+/-0.038 χ^2/NDF: 63.7/48



Right In: 150.823+/-0.036 χ^2/NDF: 2197590.8/20

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 127.995+/-0.031 χ^2/NDF: 3788878.9/25

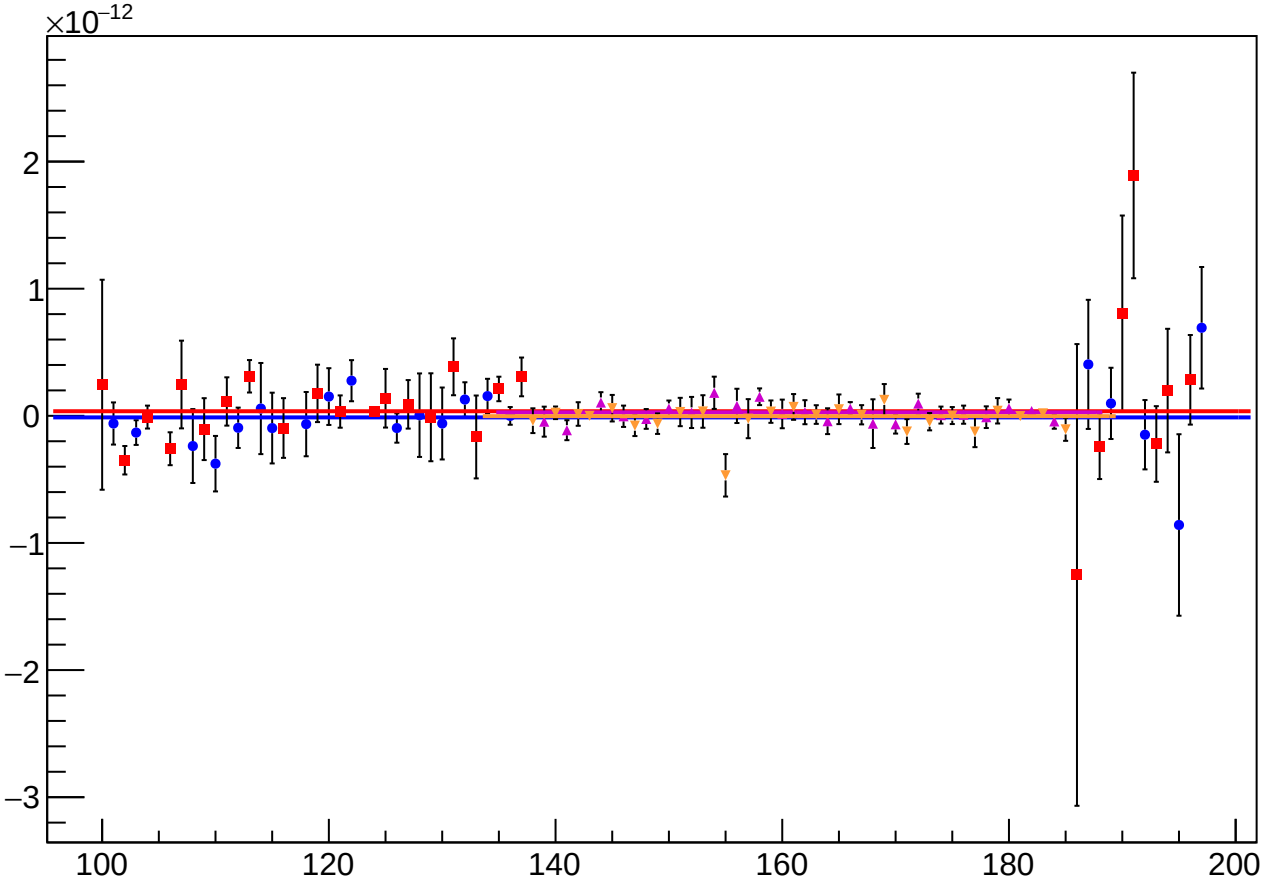
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 200.244+/-0.031 χ^2/NDF: 14820766.0/45

All: 183.562+/-0.020 χ^2/NDF: 32148484.8/94

- sign 170.815+/-0.027 χ^2/NDF: 16814845.1/48

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

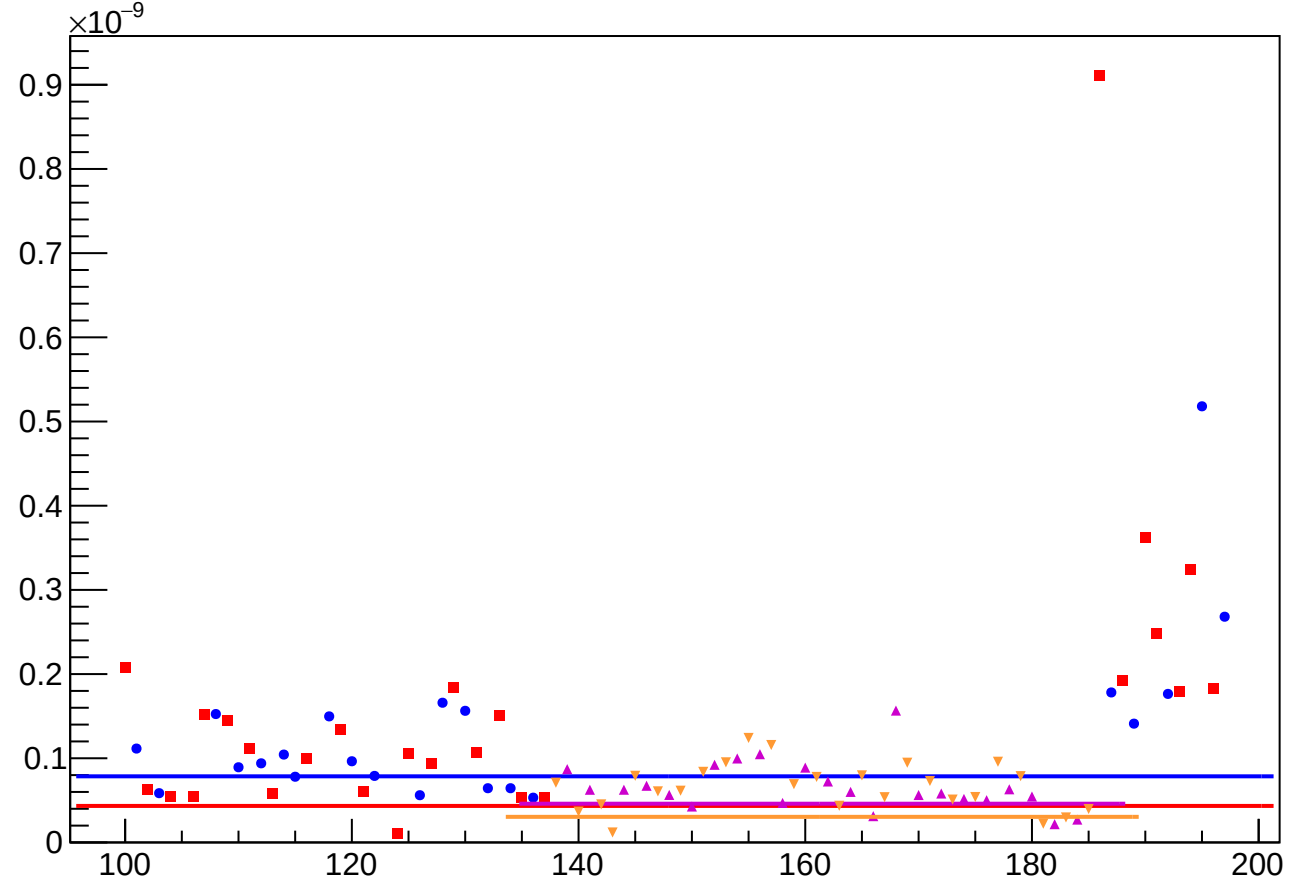
Right Out: 0.000+/-0.000 χ^2/NDF: 42.4/25

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.0/45

All: 0.000+/-0.000 χ^2/NDF: 96.7/94

- sign 0.000+/-0.000 χ^2/NDF: 58.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 2684087.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7329785.0/25

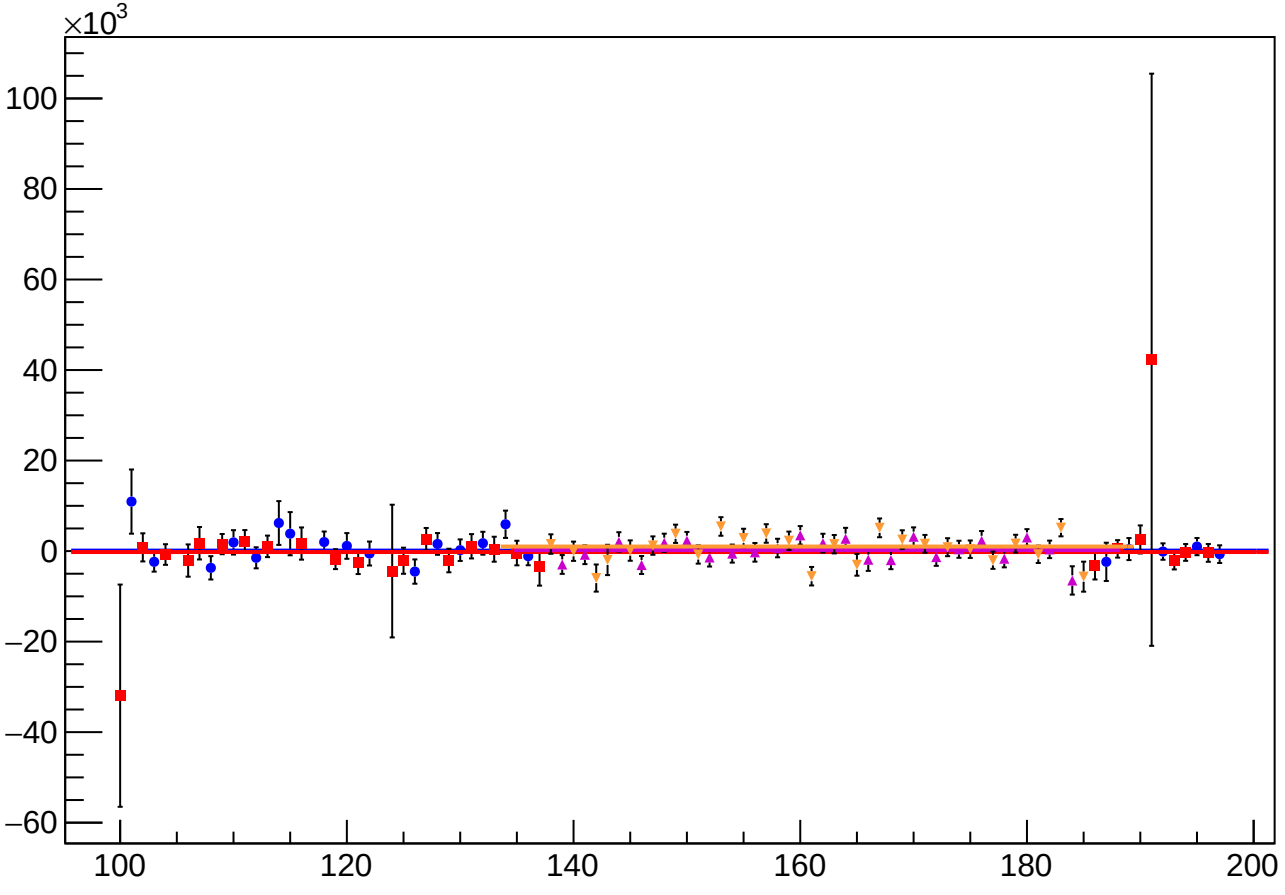
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16428374.2/45

All: 0.000+/-0.000 χ^2/NDF: 29599822.0/94

- sign 0.000+/-0.000 χ^2/NDF: 12246008.8/48

reg_asym_atr1l2_dd_mean vs Slug



Right In: 104.763+/-549.227 χ^2/NDF: 18.4/20

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -209.894+/-526.780 χ^2/NDF: 12.2/25

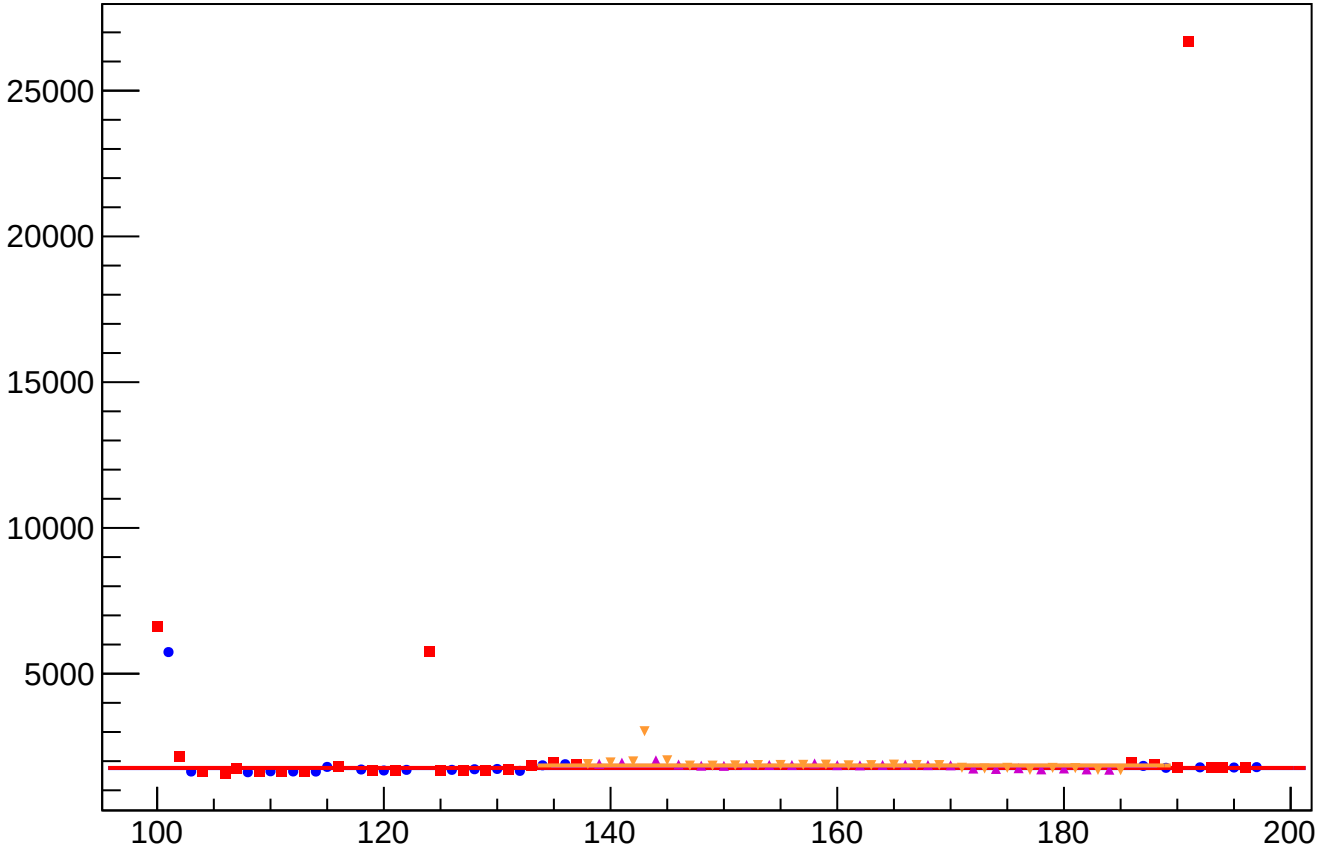
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 669.716+/-334.919 χ^2/NDF: 67.5/45

All: 359.981+/-236.132 χ^2/NDF: 108.2/94

- sign 53.839+/-332.972 χ^2/NDF: 39.0/48

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1762.040+/-0.388 χ^2/NDF: 672053.2/20

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.656+/-0.371 χ^2/NDF: 637785.5/25

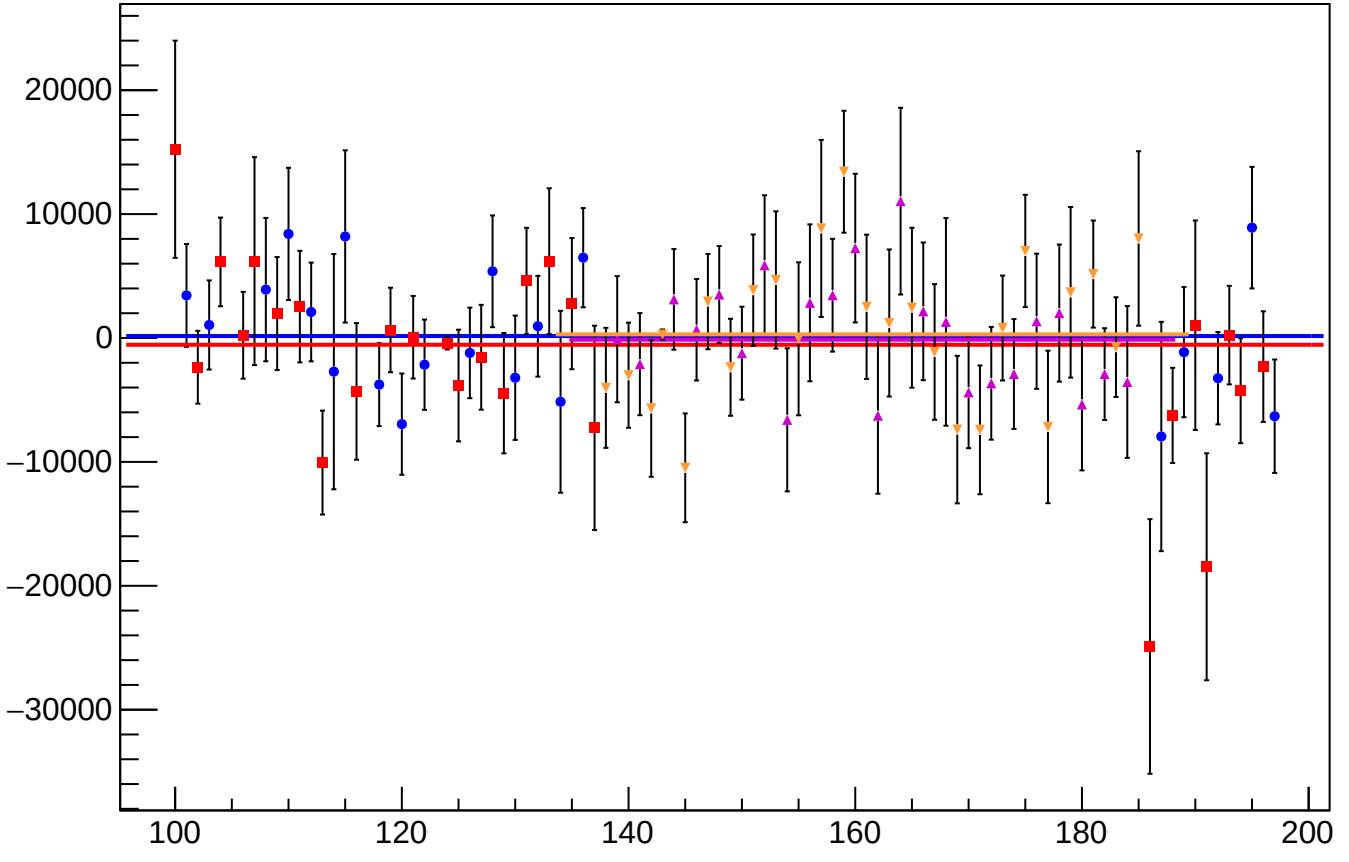
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1818.883+/-0.237 χ^2/NDF: 1027197.5/45

All: 1814.432+/-0.167 χ^2/NDF: 1756024.3/94

- sign 1810.050+/-0.235 χ^2/NDF: 728125.8/48

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 158.751+/-983.416 χ^2/NDF: 21.8/20

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -546.631+/-445.404 χ^2/NDF: 32.1/25

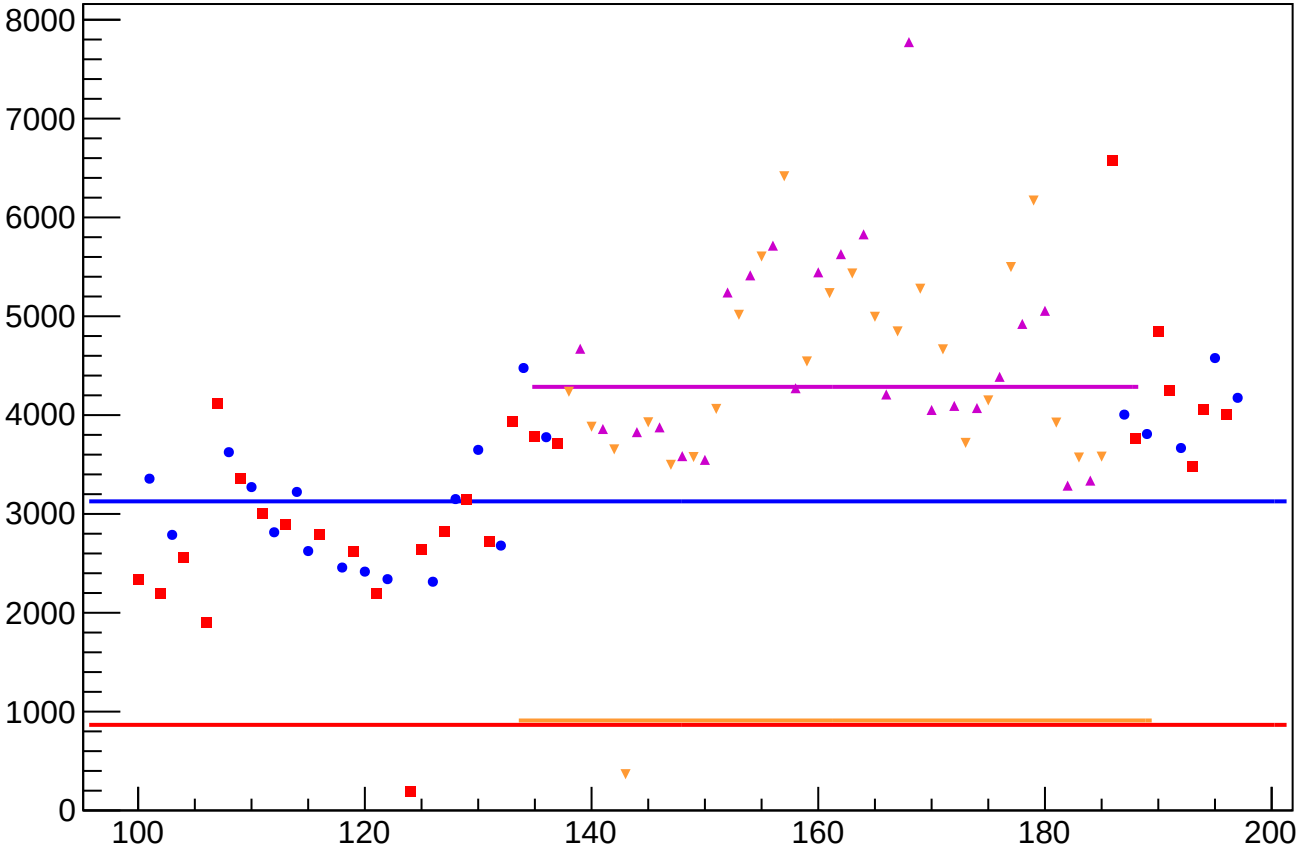
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 276.790+/-354.395 χ^2/NDF: 51.8/45

All: -48.989+/-267.659 χ^2/NDF: 99.9/94

- sign -481.563+/-408.372 χ^2/NDF: 46.1/48

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3127.308+/-0.695 χ^2/NDF: 935094.9/20

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 865.942+/-0.315 χ^2/NDF: 15905888.4/25

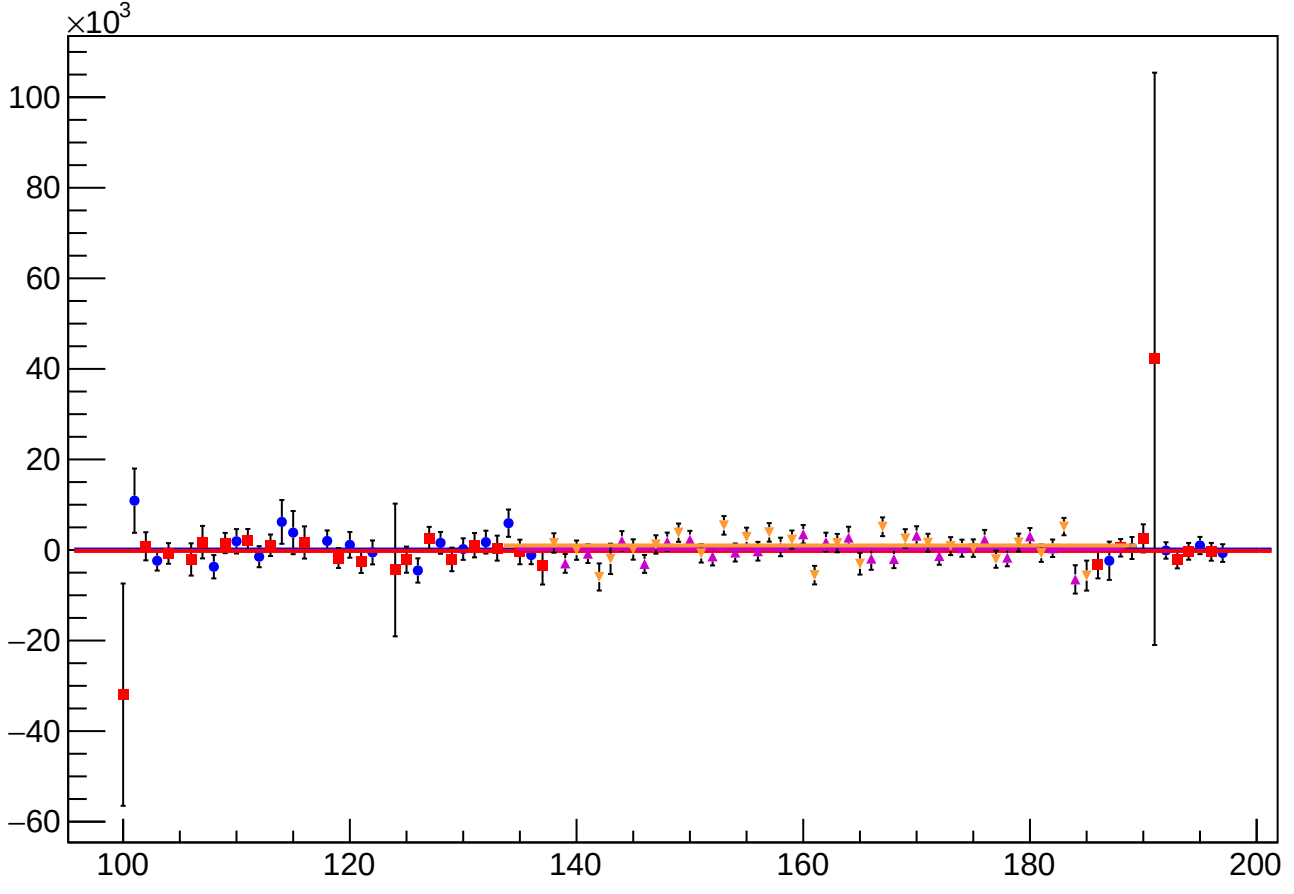
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1198.073+/-0.251 χ^2/NDF: 36555078.0/45

All: 1289.533+/-0.189 χ^2/NDF: 72890316.9/9

- sign 1410.974+/-0.289 χ^2/NDF: 36025165.9/48

cor_asym_atr1l2_dd_mean vs Slug



Right In: 104.487+/-549.227 χ^2/NDF: 18.4/20

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -209.888+/-526.780 χ^2/NDF: 12.2/25

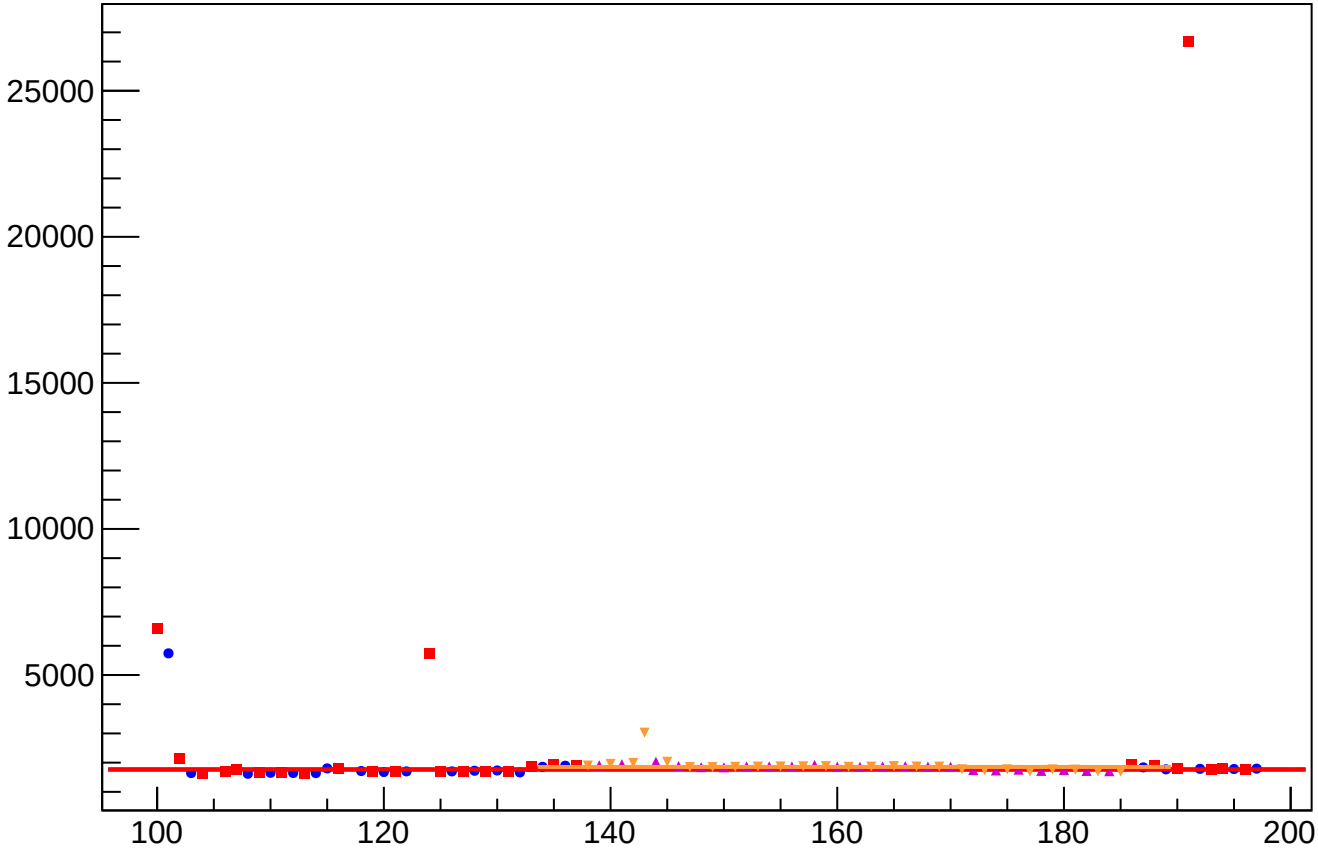
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 669.587+/-334.919 χ^2/NDF: 67.5/45

All: 359.893+/-236.132 χ^2/NDF: 108.2/94

- sign 53.790+/-332.972 χ^2/NDF: 39.0/48

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.040+/-0.388 χ^2/NDF: 672053.4/20

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1772.131+/-0.372 χ^2/NDF: 629474.9/25

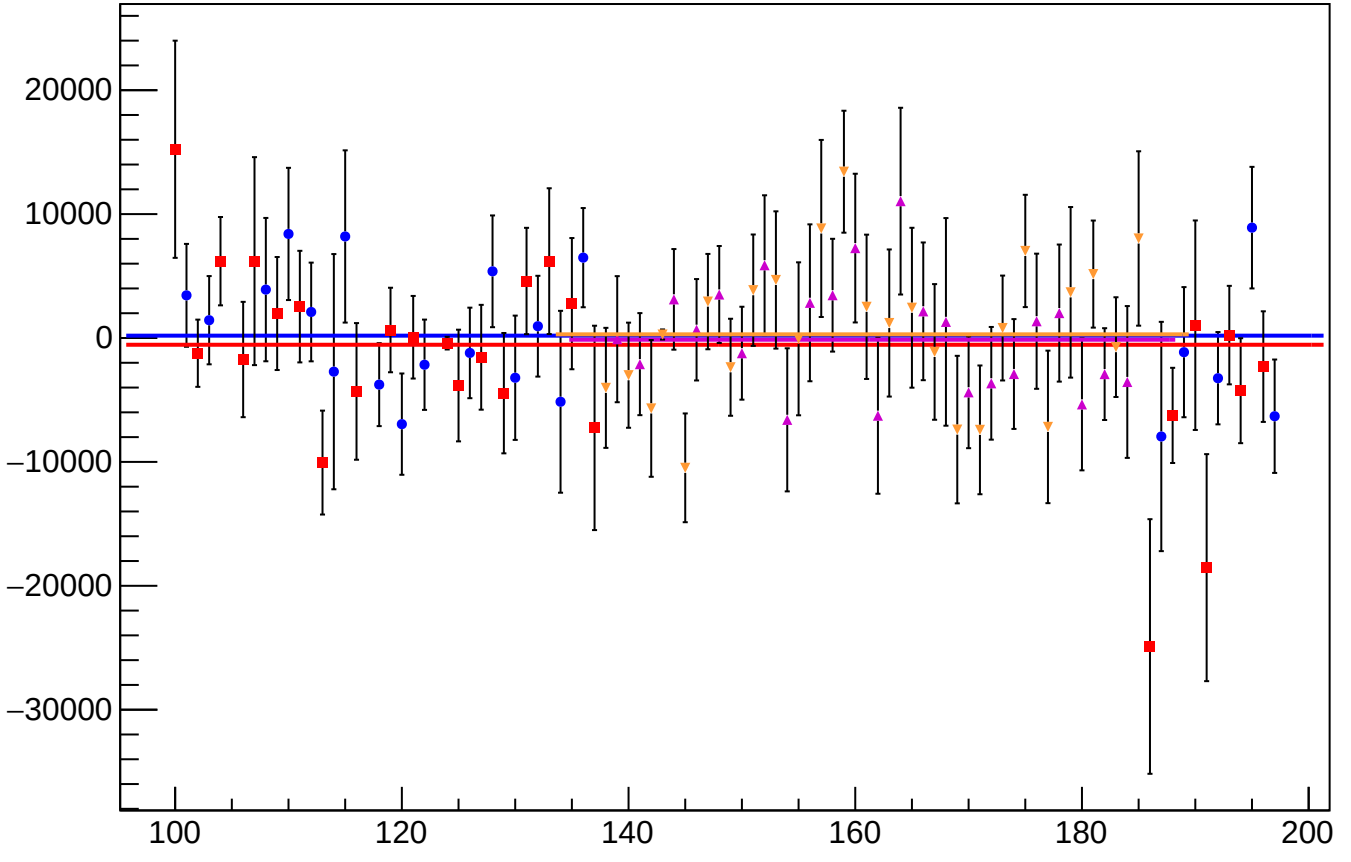
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1818.883+/-0.237 χ^2/NDF: 1027197.9/45

All: 1815.379+/-0.167 χ^2/NDF: 1744720.1/94

- sign 1811.923+/-0.235 χ^2/NDF: 717087.5/48

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 189.585+/-982.677 χ^2/NDF: 21.9/20

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -545.344+/-446.245 χ^2/NDF: 31.9/25

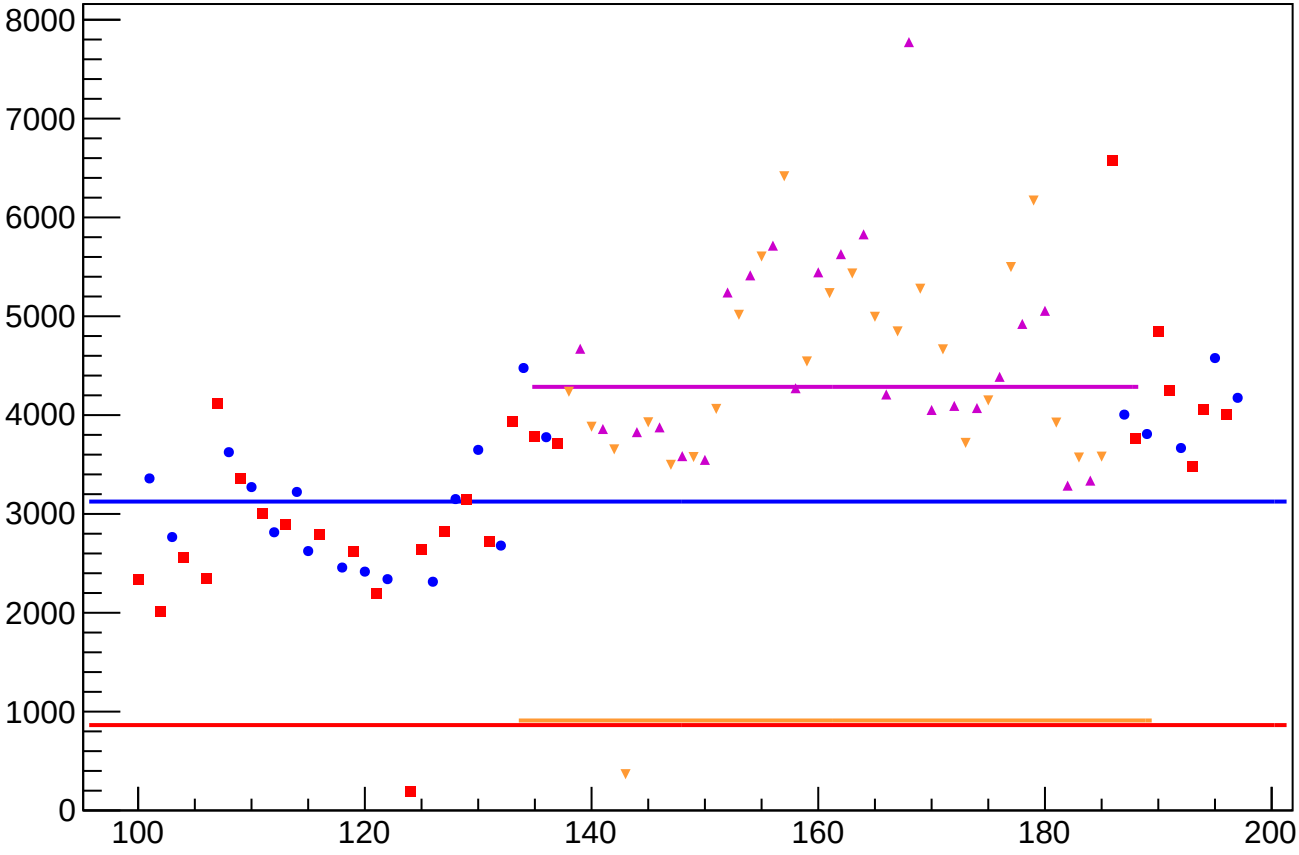
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 281.558+/-354.384 χ^2/NDF: 51.9/45

All: -45.107+/-267.836 χ^2/NDF: 99.8/94

- sign -480.262+/-409.020 χ^2/NDF: 45.9/48

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3125.218+/-0.695 χ^2/NDF: 938028.4/20

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 863.716+/-0.316 χ^2/NDF: 15871973.2/25

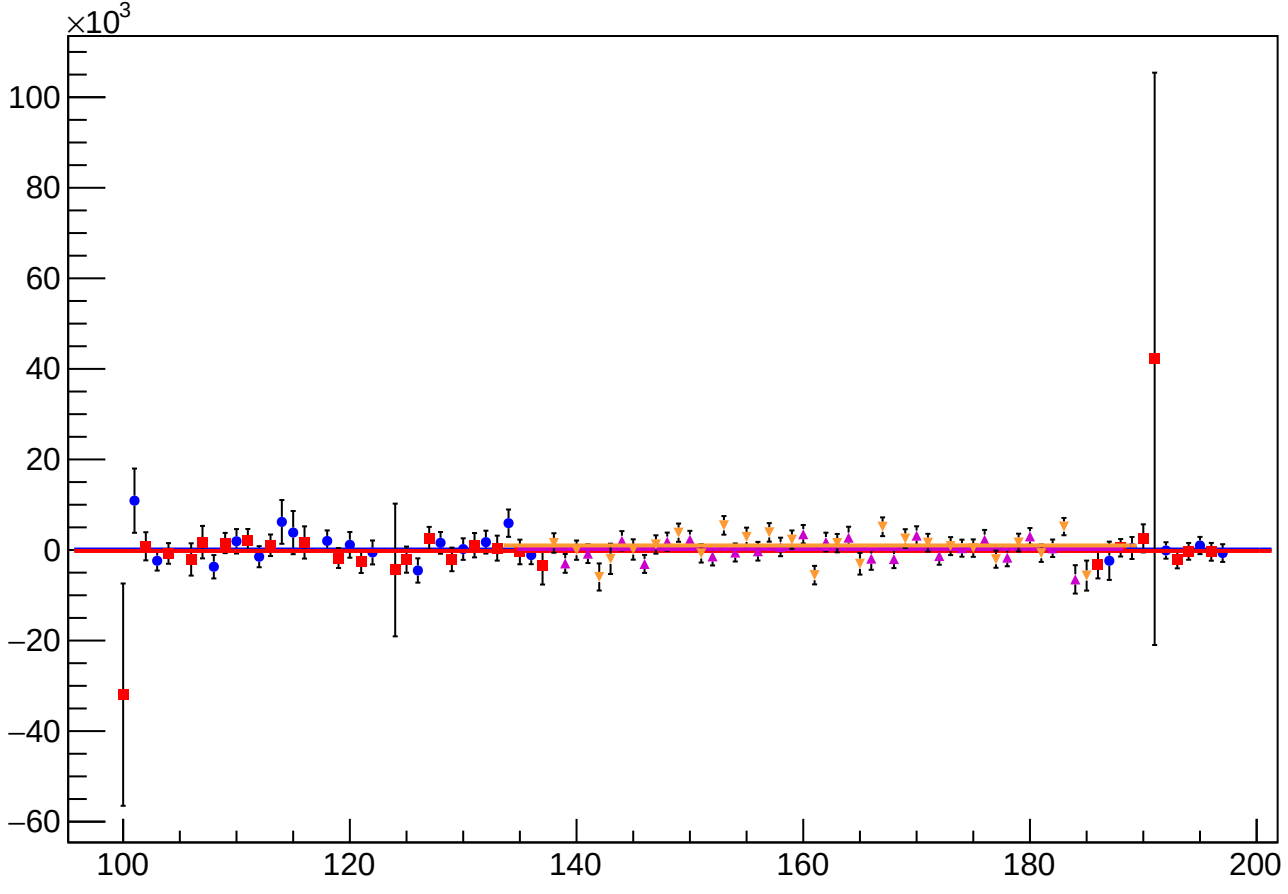
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1198.320+/-0.251 χ^2/NDF: 36550629.1/45

All: 1289.446+/-0.189 χ^2/NDF: 72863389.1/9

- sign 1410.836+/-0.289 χ^2/NDF: 36004358.4/48

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 104.487+/-549.227 χ^2/NDF: 18.4/20

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -209.888+/-526.780 χ^2/NDF: 12.2/25

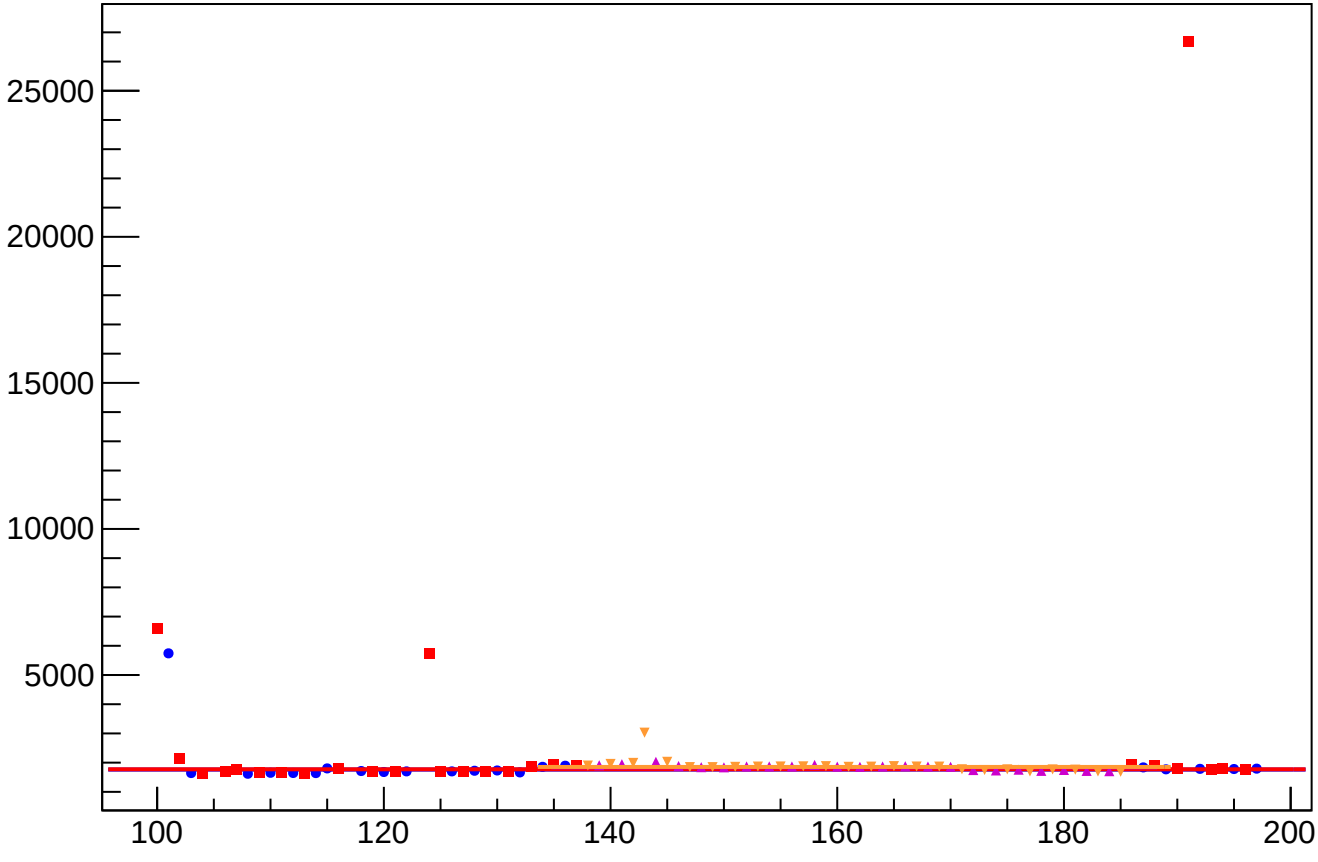
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 669.587+/-334.919 χ^2/NDF: 67.5/45

All: 359.893+/-236.132 χ^2/NDF: 108.2/94

- sign 53.790+/-332.972 χ^2/NDF: 39.0/48

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.040+/-0.388 χ^2/NDF: 672053.4/20

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

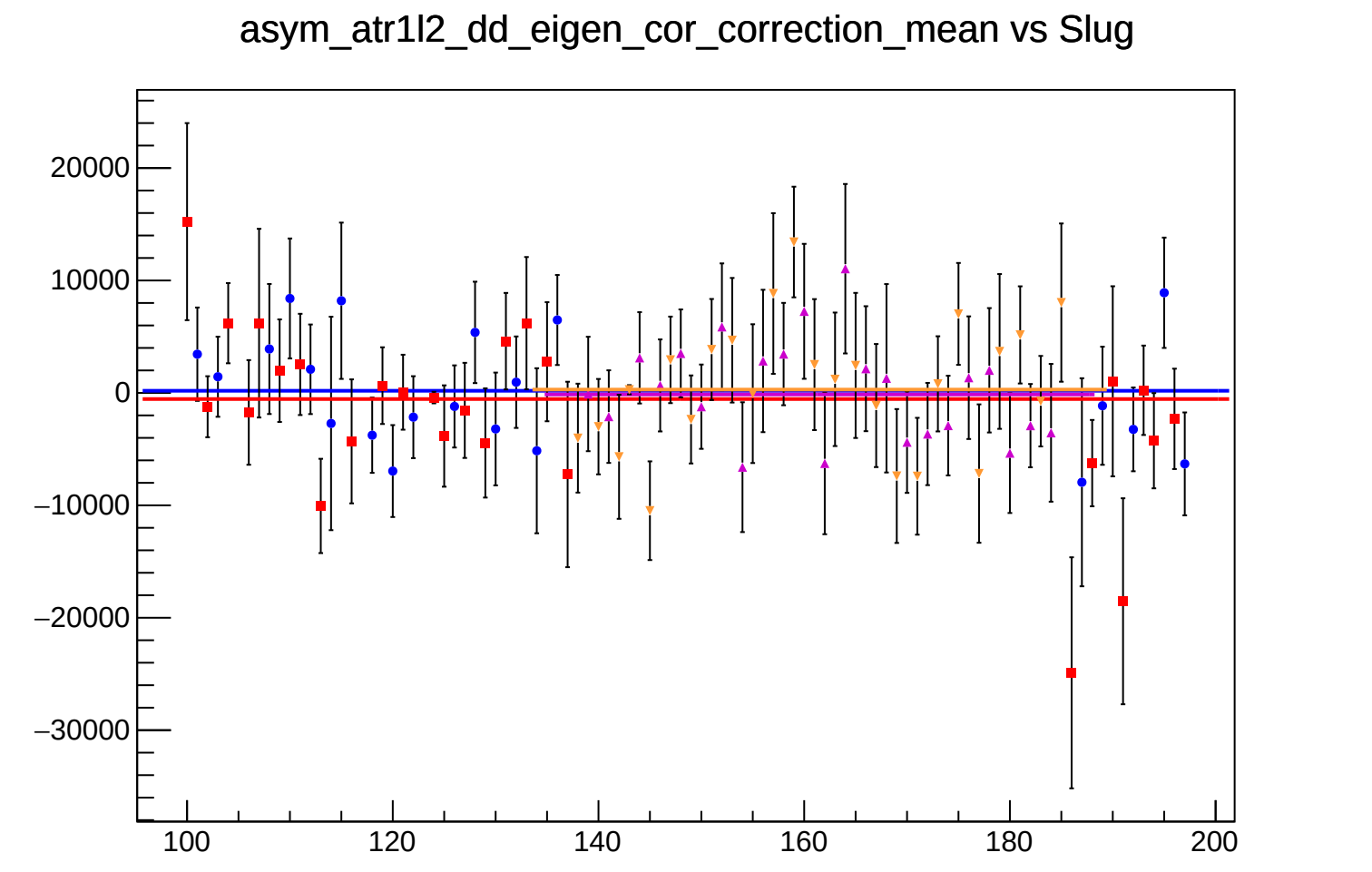
Right Out: 1772.131+/-0.372 χ^2/NDF: 629474.9/25

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1818.883+/-0.237 χ^2/NDF: 1027197.9/45

All: 1815.379+/-0.167 χ^2/NDF: 1744720.1/94

- sign 1811.923+/-0.235 χ^2/NDF: 717087.5/48



Right In: 189.585+/-982.677 χ^2/NDF: 21.9/20

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -545.344+/-446.245 χ^2/NDF: 31.9/25

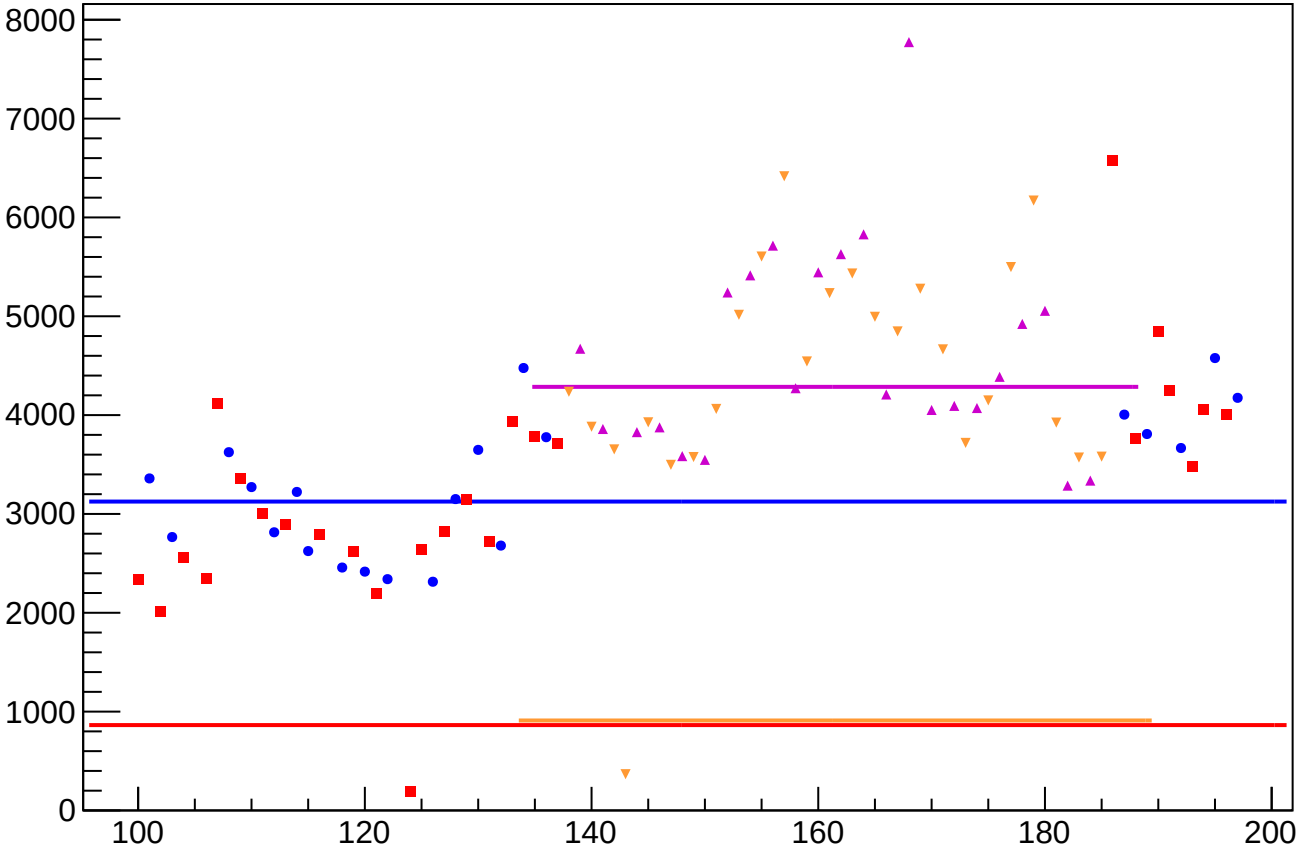
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 281.558+/-354.384 χ^2/NDF: 51.9/45

All: -45.107+/-267.836 χ^2/NDF: 99.8/94

- sign -480.262+/-409.020 χ^2/NDF: 45.9/48

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3125.218+/-0.695 χ^2/NDF: 938028.4/20

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 863.716+/-0.316 χ^2/NDF: 15871973.2/25

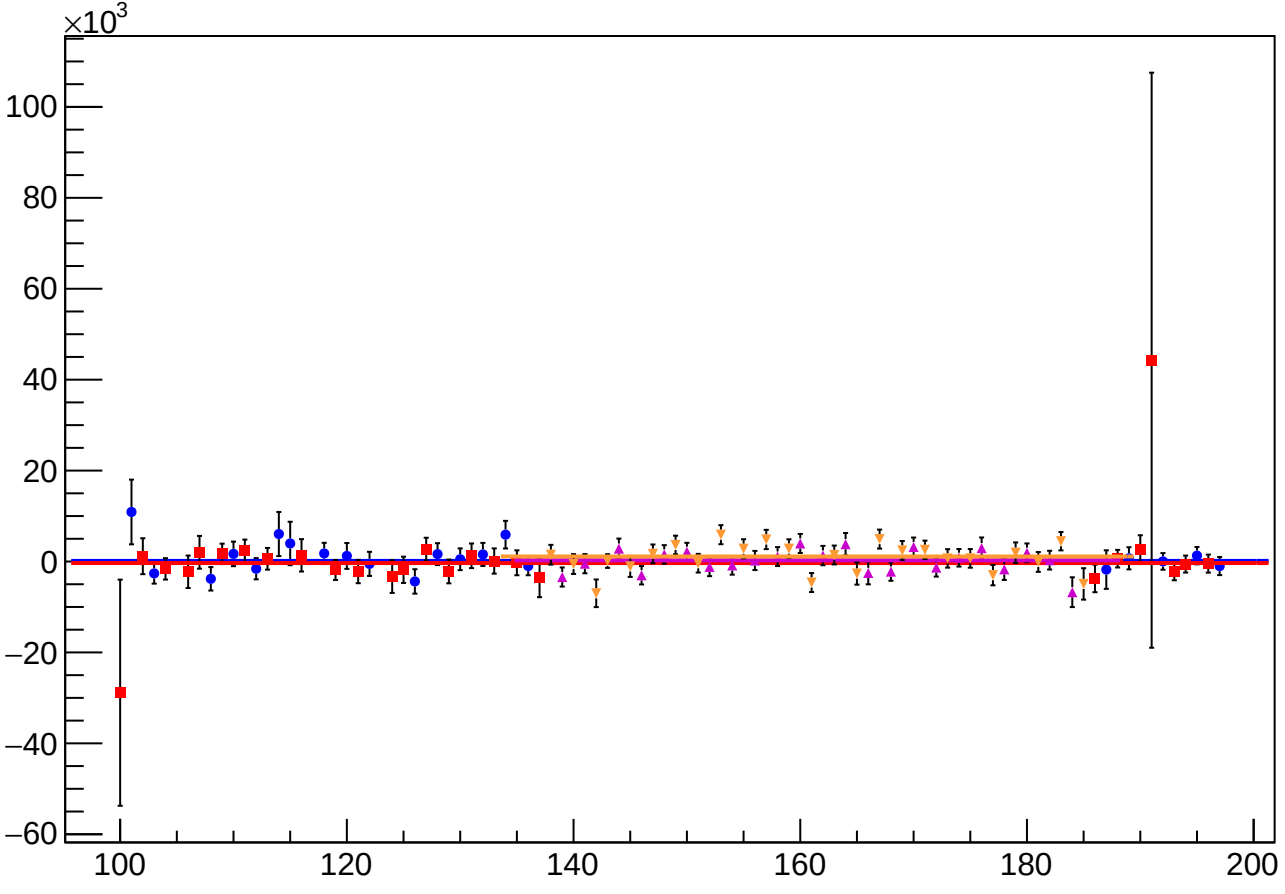
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1198.320+/-0.251 χ^2/NDF: 36550629.1/45

All: 1289.446+/-0.189 χ^2/NDF: 72863389.1/9

- sign 1410.836+/-0.289 χ^2/NDF: 36004358.4/48

dit_asym_atr1l2_dd_mean vs Slug



Right In: 128.965+/-553.122 χ^2/NDF: 18.2/20

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -339.590+/-527.177 χ^2/NDF: 13.4/25

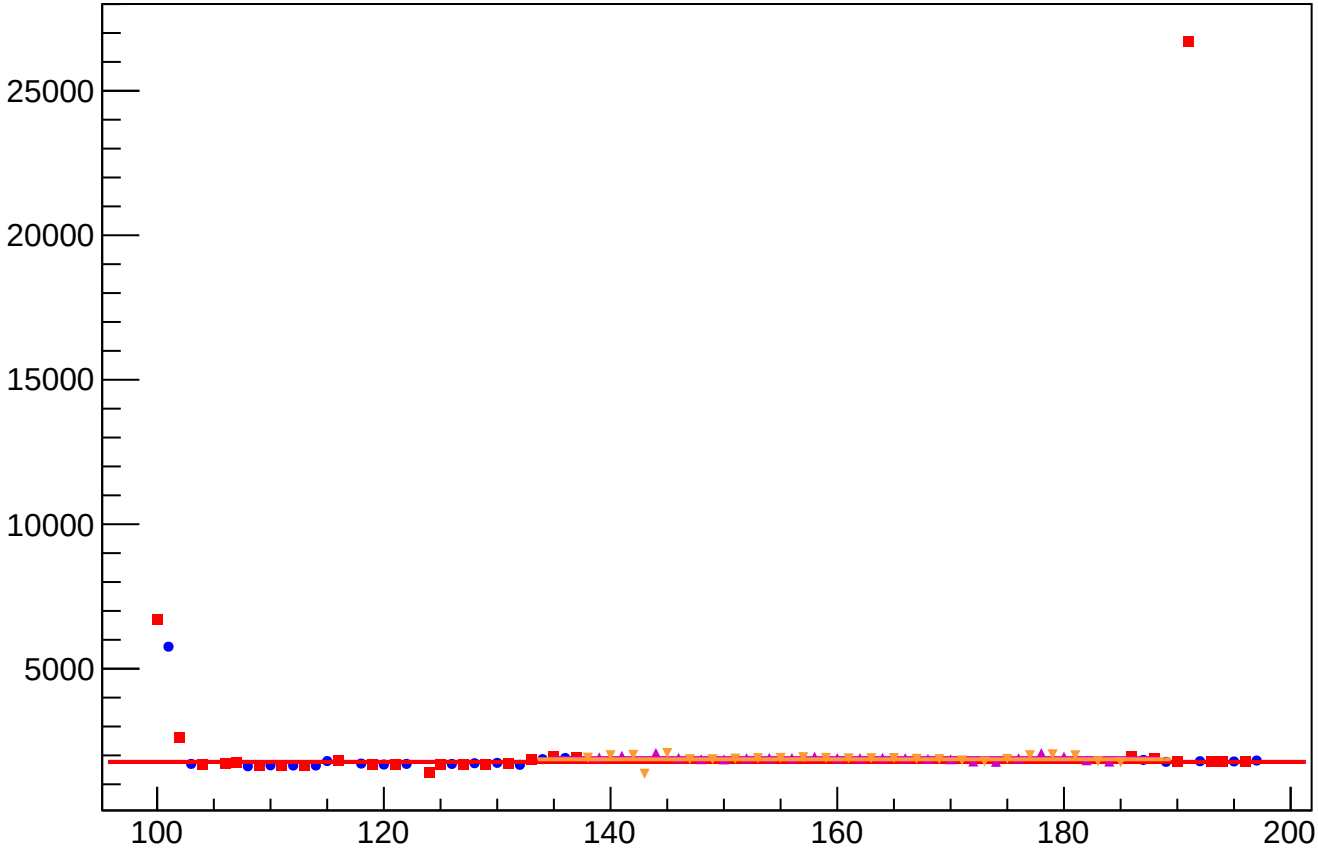
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 741.268+/-337.166 χ^2/NDF: 65.0/45

All: 380.395+/-239.480 χ^2/NDF: 109.2/94

- sign 12.986+/-340.205 χ^2/NDF: 41.9/48

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1774.566+/-0.391 χ^2/NDF: 670545.6/20

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1773.892+/-0.372 χ^2/NDF: 560738.6/25

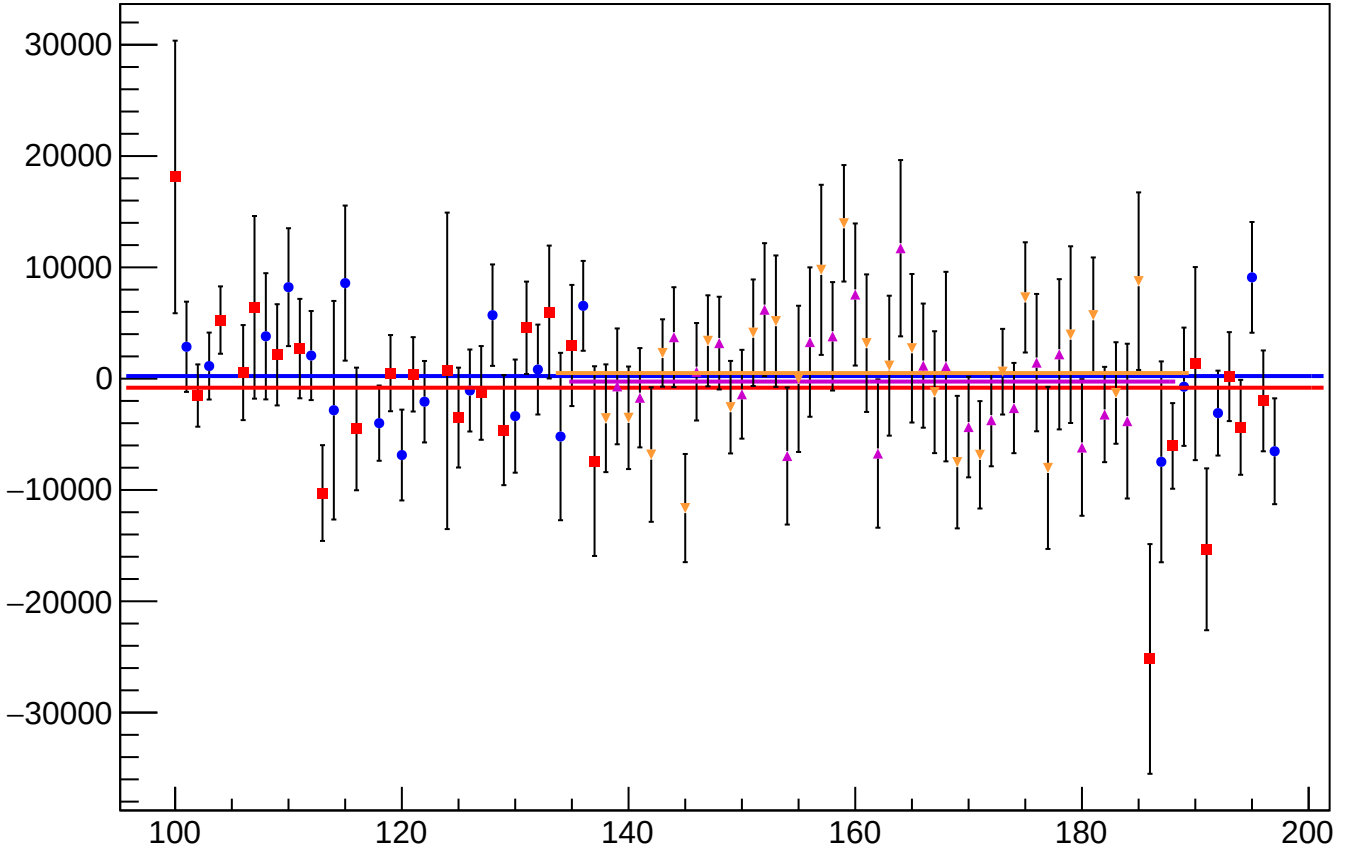
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1831.297+/-0.238 χ^2/NDF: 998737.2/45

All: 1840.892+/-0.169 χ^2/NDF: 1688561.2/94

- sign 1850.645+/-0.240 χ^2/NDF: 686558.0/48

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 233.816+/-973.095 χ^2/NDF: 21.7/20

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -812.055+/-899.944 χ^2/NDF: 31.3/25

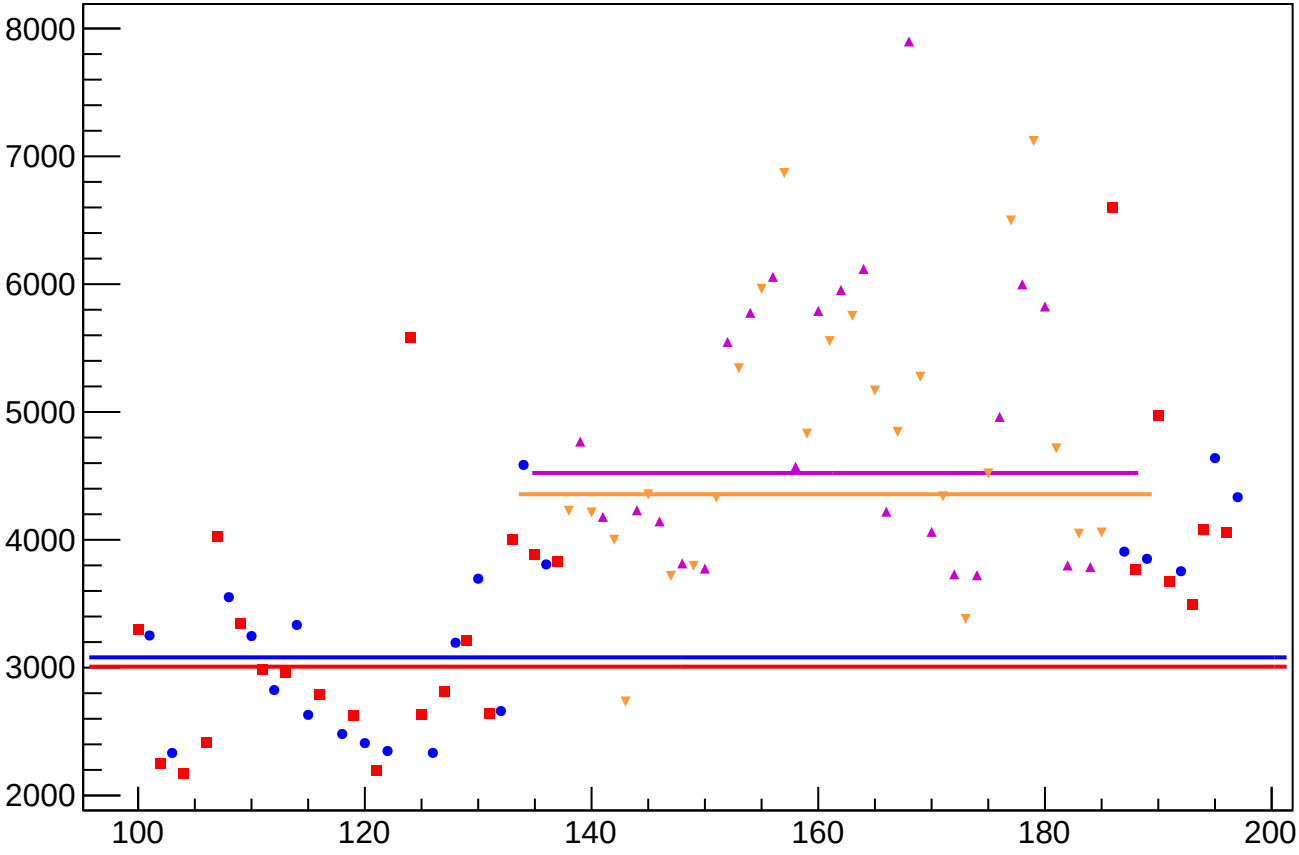
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 362.455+/-704.634 χ^2/NDF: 51.8/45

All: -120.832+/-493.630 χ^2/NDF: 97.8/94

- sign -586.596+/-691.741 χ^2/NDF: 45.1/48

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3080.578+/-0.688 χ^2/NDF: 1094024.2/20

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3007.754+/-0.636 χ^2/NDF: 1460523.4/25

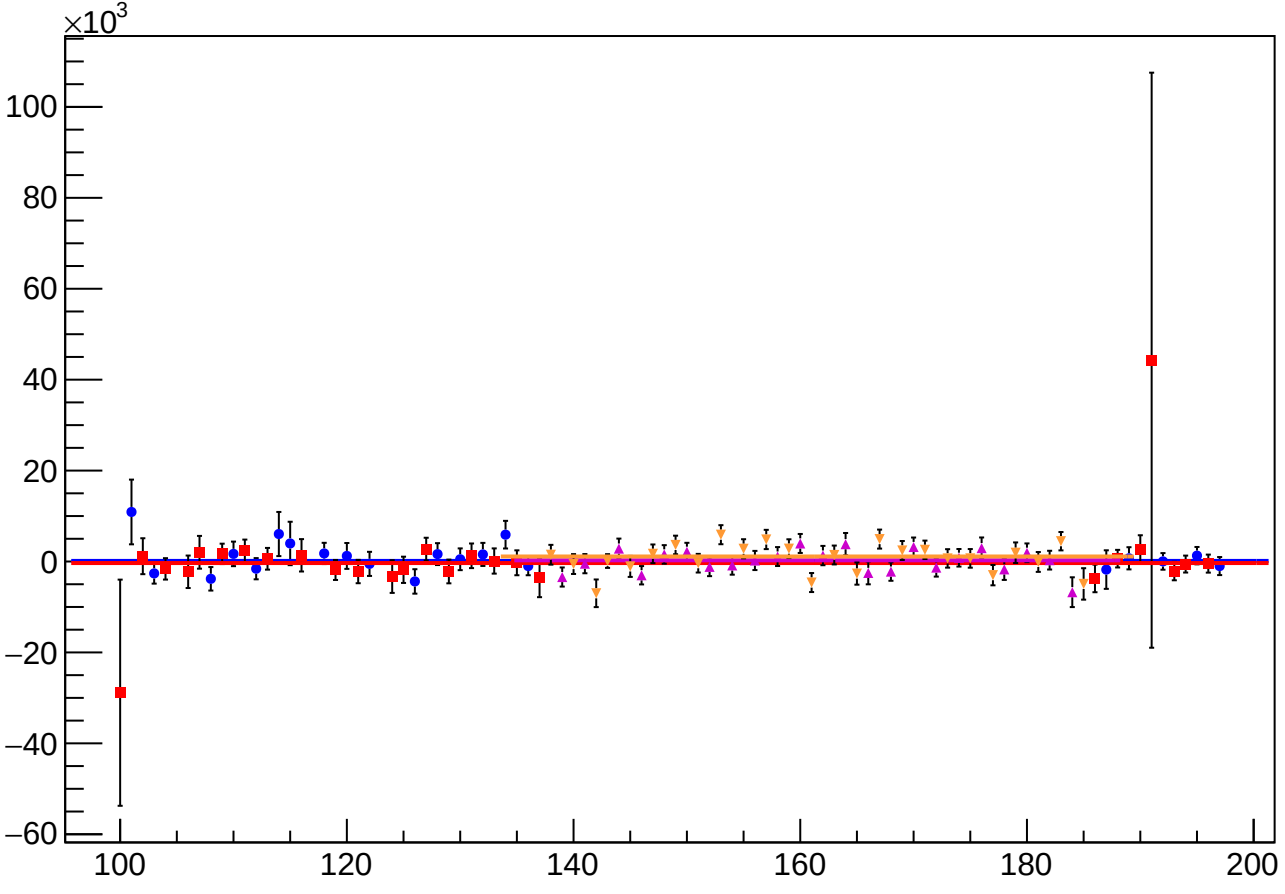
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3687.547+/-0.498 χ^2/NDF: 4642253.7/45

All: 3657.057+/-0.349 χ^2/NDF: 9863435.5/94

- sign 3627.673+/-0.489 χ^2/NDF: 5213828.3/48

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 128.966+/-553.122 χ^2/NDF: 18.2/20

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -339.586+/-527.177 χ^2/NDF: 13.4/25

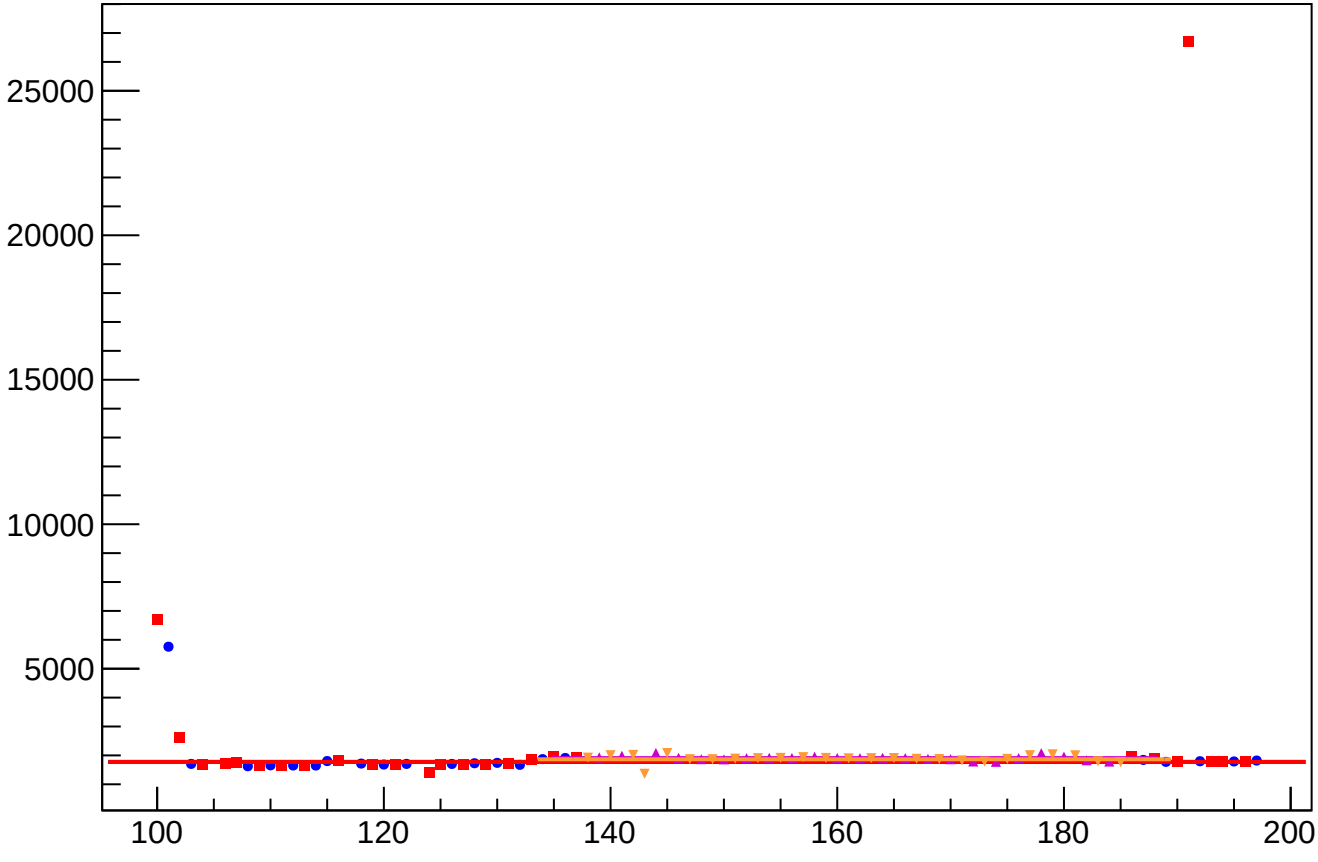
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 741.269+/-337.166 χ^2/NDF: 65.0/45

All: 380.397+/-239.480 χ^2/NDF: 109.2/94

- sign 12.988+/-340.206 χ^2/NDF: 41.9/48

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1774.566+/-0.391 χ^2/NDF: 670545.7/20

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

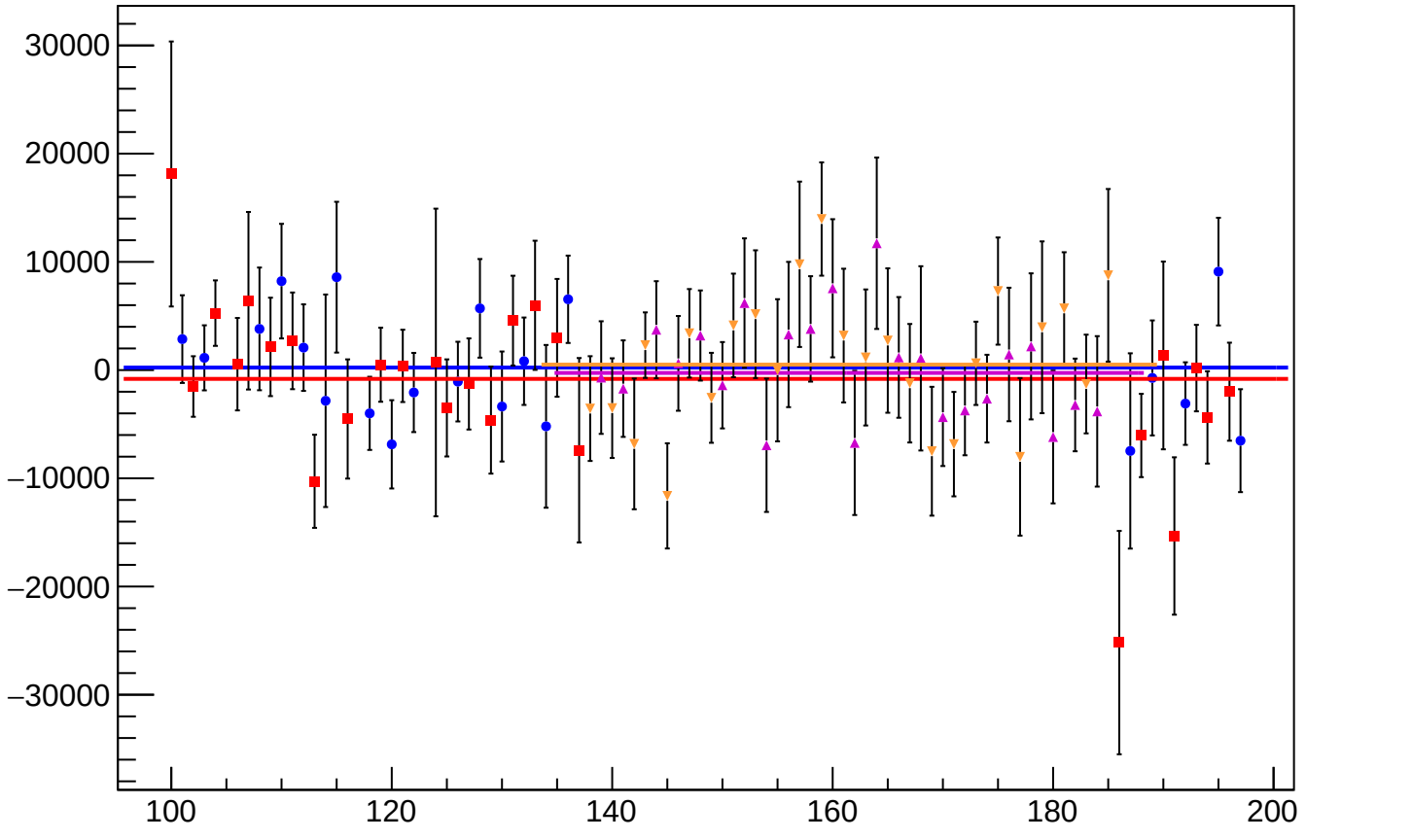
Right Out: 1773.892+/-0.372 χ^2/NDF: 560738.5/25

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1831.298+/-0.238 χ^2/NDF: 998741.2/45

All: 1840.892+/-0.169 χ^2/NDF: 1688568.7/94

- sign 1850.646+/-0.240 χ^2/NDF: 686561.4/48



Right In: 233.812+/-973.094 χ^2/NDF: 21.7/20

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -812.052+/-899.943 χ^2/NDF: 31.3/25

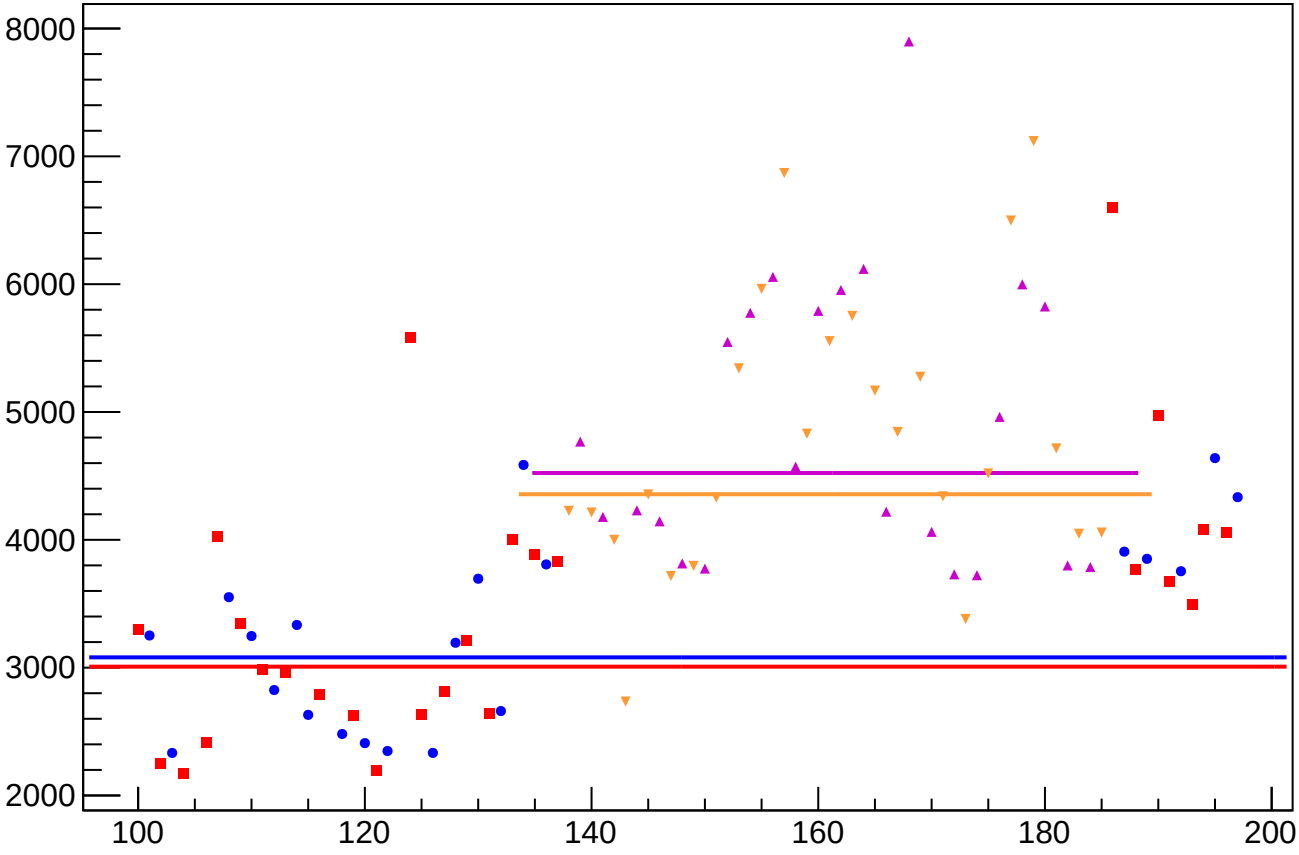
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 362.454+/-704.633 χ^2/NDF: 51.8/45

All: -120.832+/-493.630 χ^2/NDF: 97.8/94

- sign -586.595+/-691.741 χ^2/NDF: 45.1/48

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3080.572+/-0.688 χ^2/NDF: 1094040.3/20

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3007.750+/-0.636 χ^2/NDF: 1460529.4/25

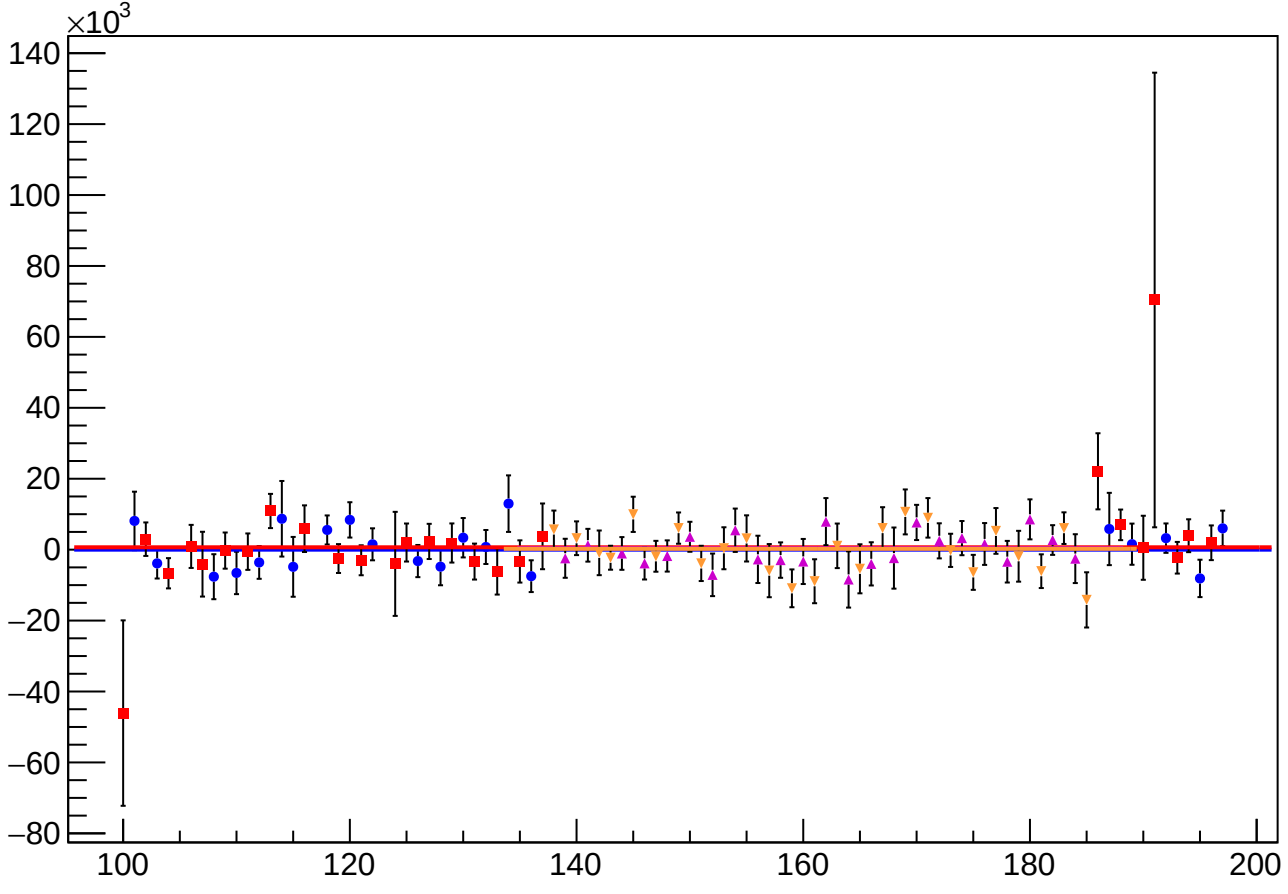
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3687.545+/-0.498 χ^2/NDF: 4642308.2/45

All: 3657.055+/-0.349 χ^2/NDF: 9863531.4/94

- sign 3627.671+/-0.489 χ^2/NDF: 5213869.9/48

asym_atr1l2_dd_mean vs Slug



Right In: -0.883+/-1161.517 χ^2/NDF: 22.8/20

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 666.280+/-1099.039 χ^2/NDF: 24.2/25

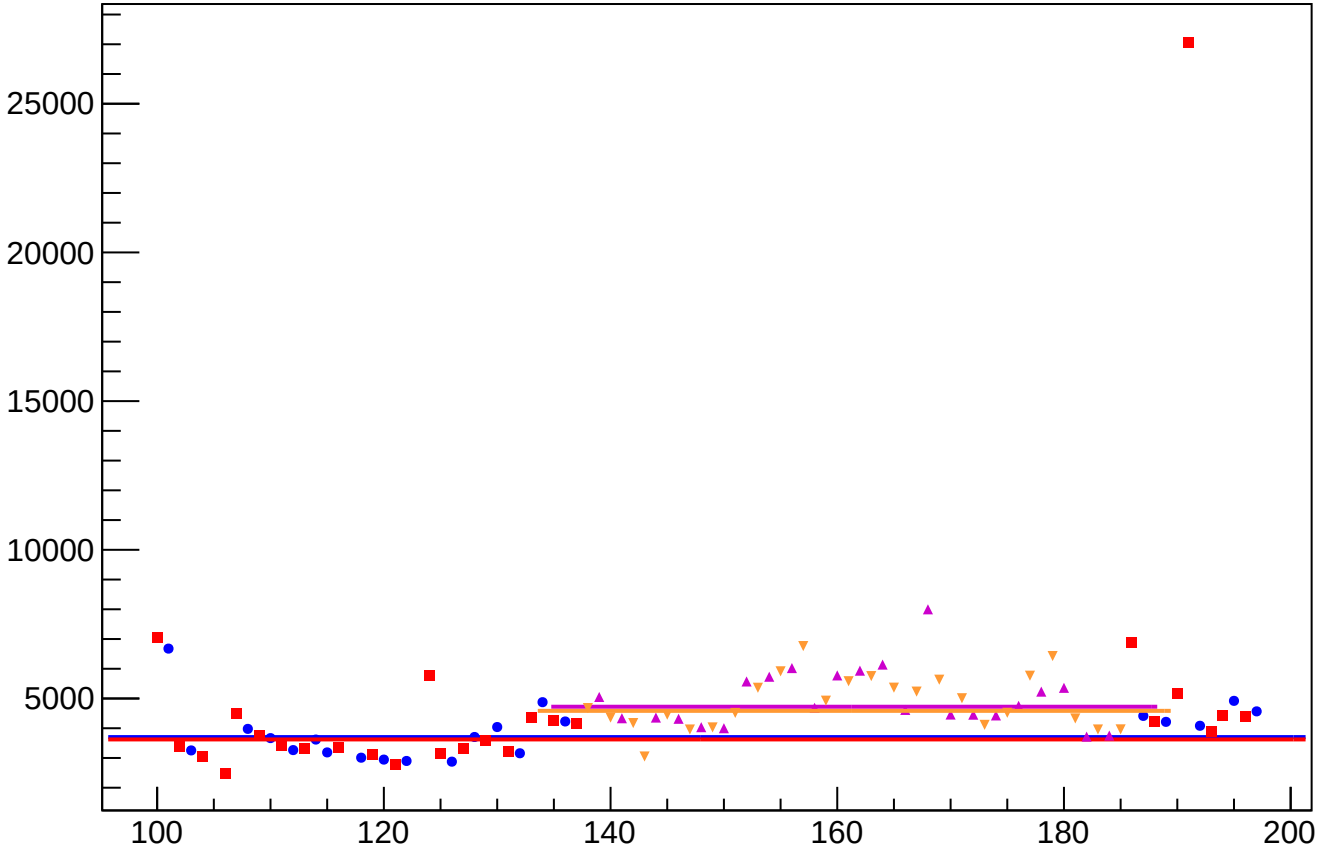
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

\+ sign 129.982+/-784.835 χ^2/NDF: 55.0/45

All: 332.362+/-554.984 χ^2/NDF: 93.6/94

\- sign 534.774+/-784.898 χ^2/NDF: 38.4/48

asym_atr1l2_dd_rms vs Slug



Right In: 3702.378+/-0.821 χ^2/NDF: 857949.2/20

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

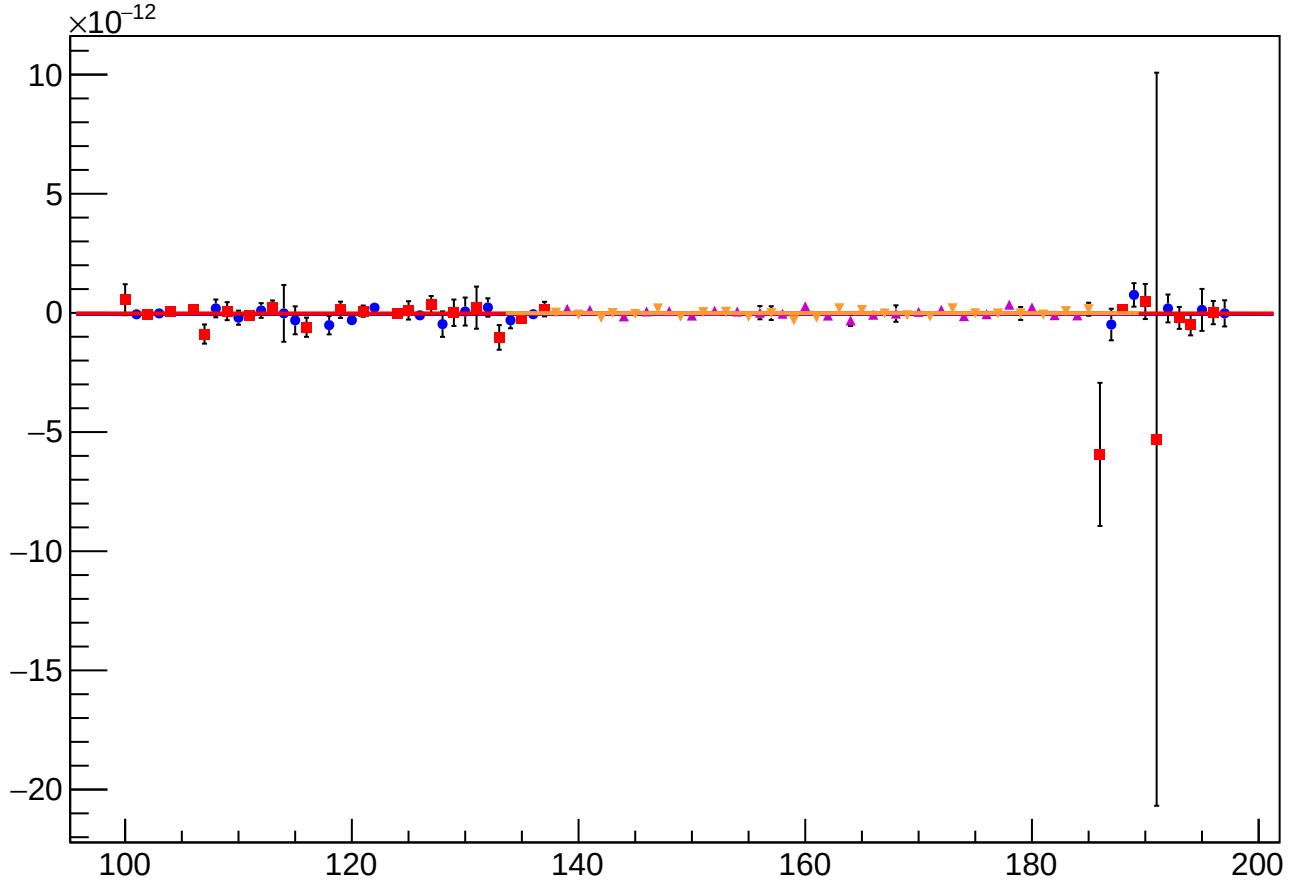
Right Out: 3623.673+/-0.769 χ^2/NDF: 1140635.2/25

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4181.840+/-0.555 χ^2/NDF: 2796778.8/45

All: 4169.137+/-0.391 χ^2/NDF: 5945584.3/94

- sign 4156.566+/-0.552 χ^2/NDF: 3147763.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/25

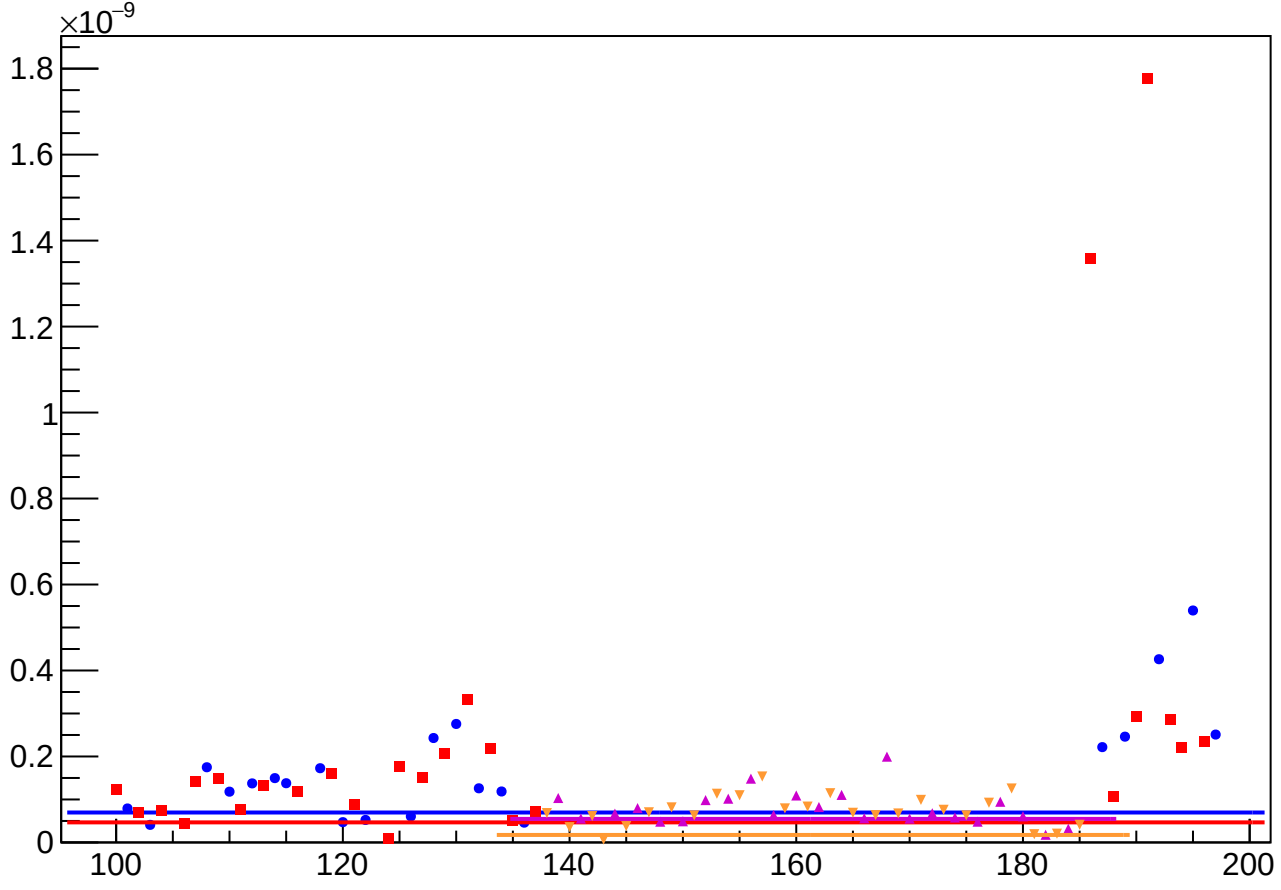
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.4/45

All: -0.000+/-0.000 χ^2/NDF: 86.3/94

- sign -0.000+/-0.000 χ^2/NDF: 50.9/48

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3368020.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5160524.7/25

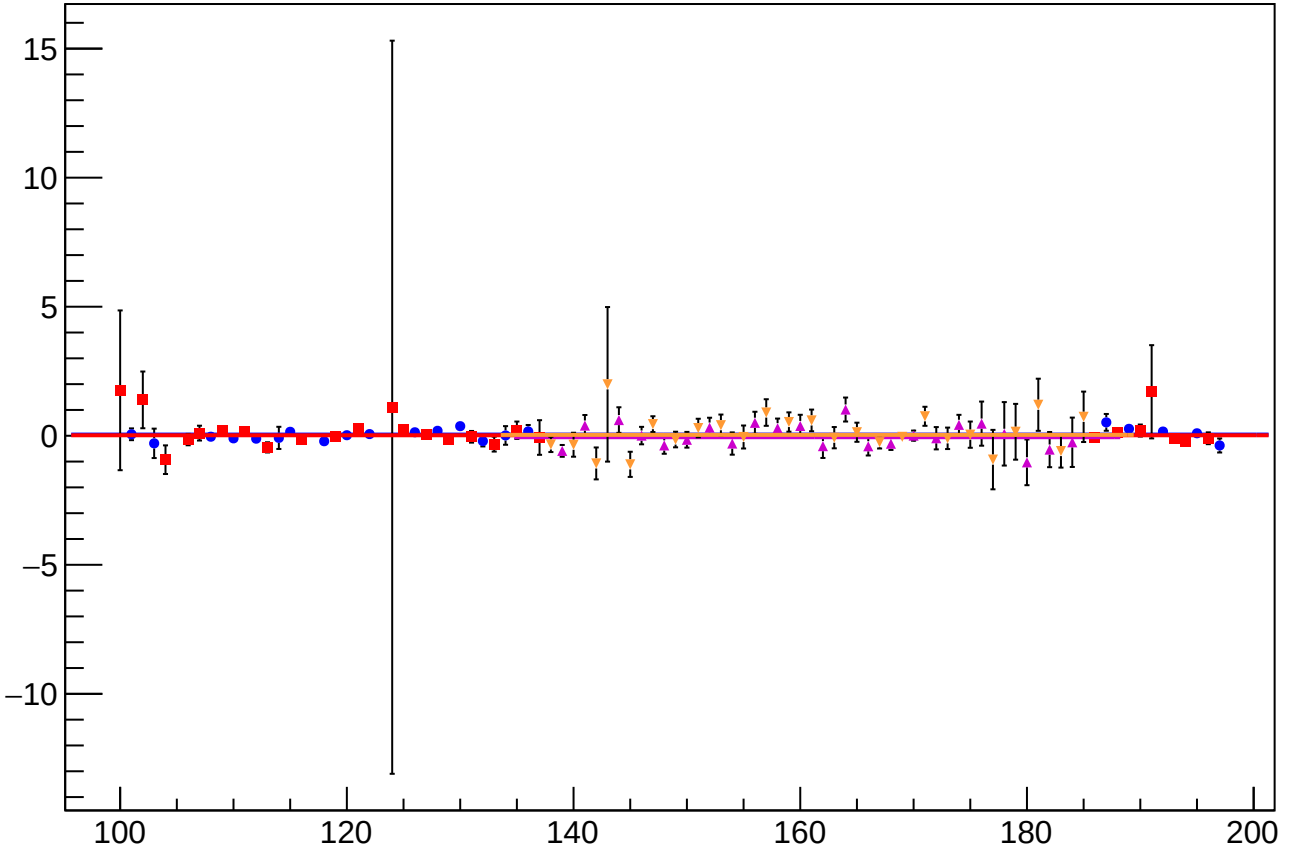
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14893136.7/45

All: 0.000+/-0.000 χ^2/NDF: 26821944.4/94

- sign 0.000+/-0.000 χ^2/NDF: 8032661.3/48

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.045+/-0.042 χ^2/NDF: 19.1/20

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.019+/-0.036 χ^2/NDF: 28.3/25

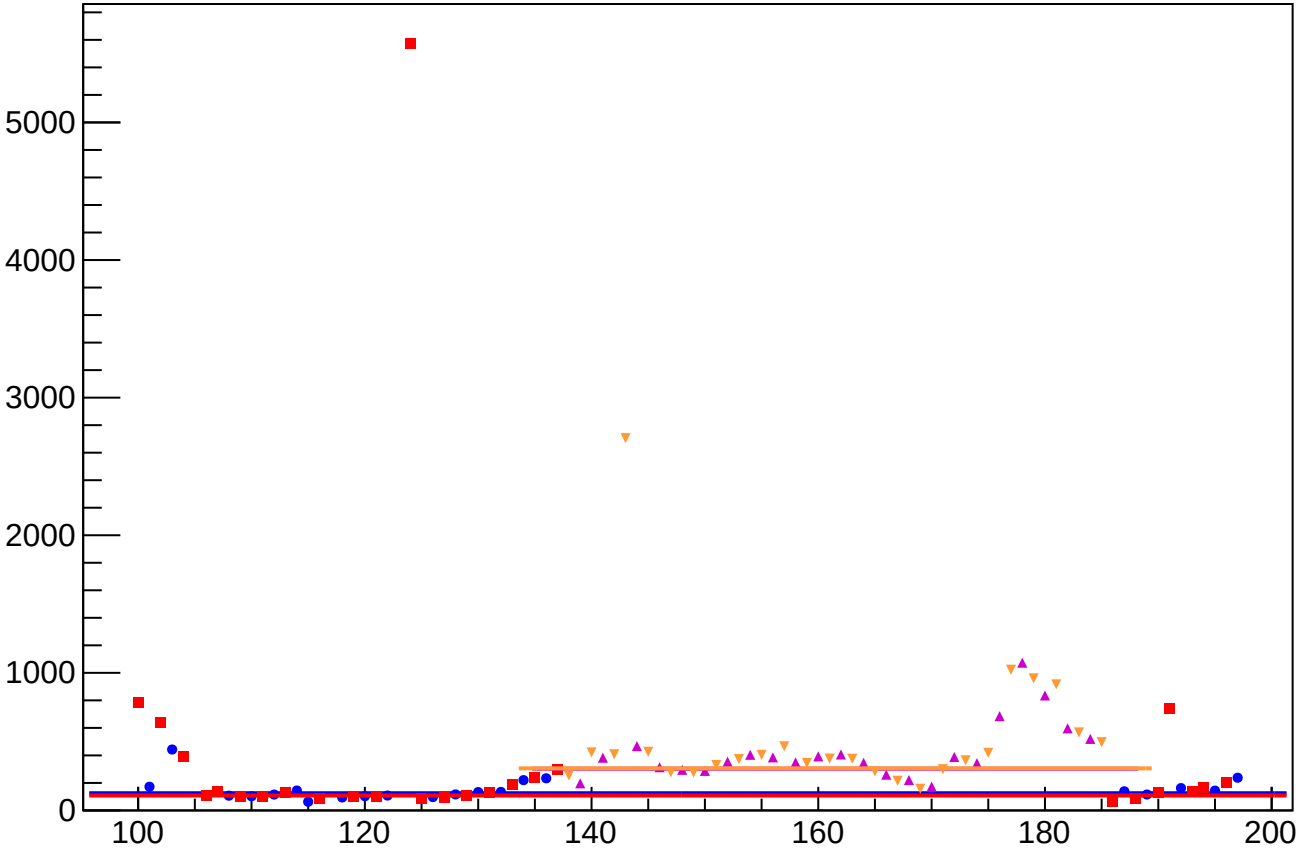
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.043+/-0.037 χ^2/NDF: 49.6/45

All: 0.022+/-0.024 χ^2/NDF: 105.3/94

- sign 0.005+/-0.033 χ^2/NDF: 55.2/48

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 125.240+/-0.030 χ^2/NDF: 2245491.8/20

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

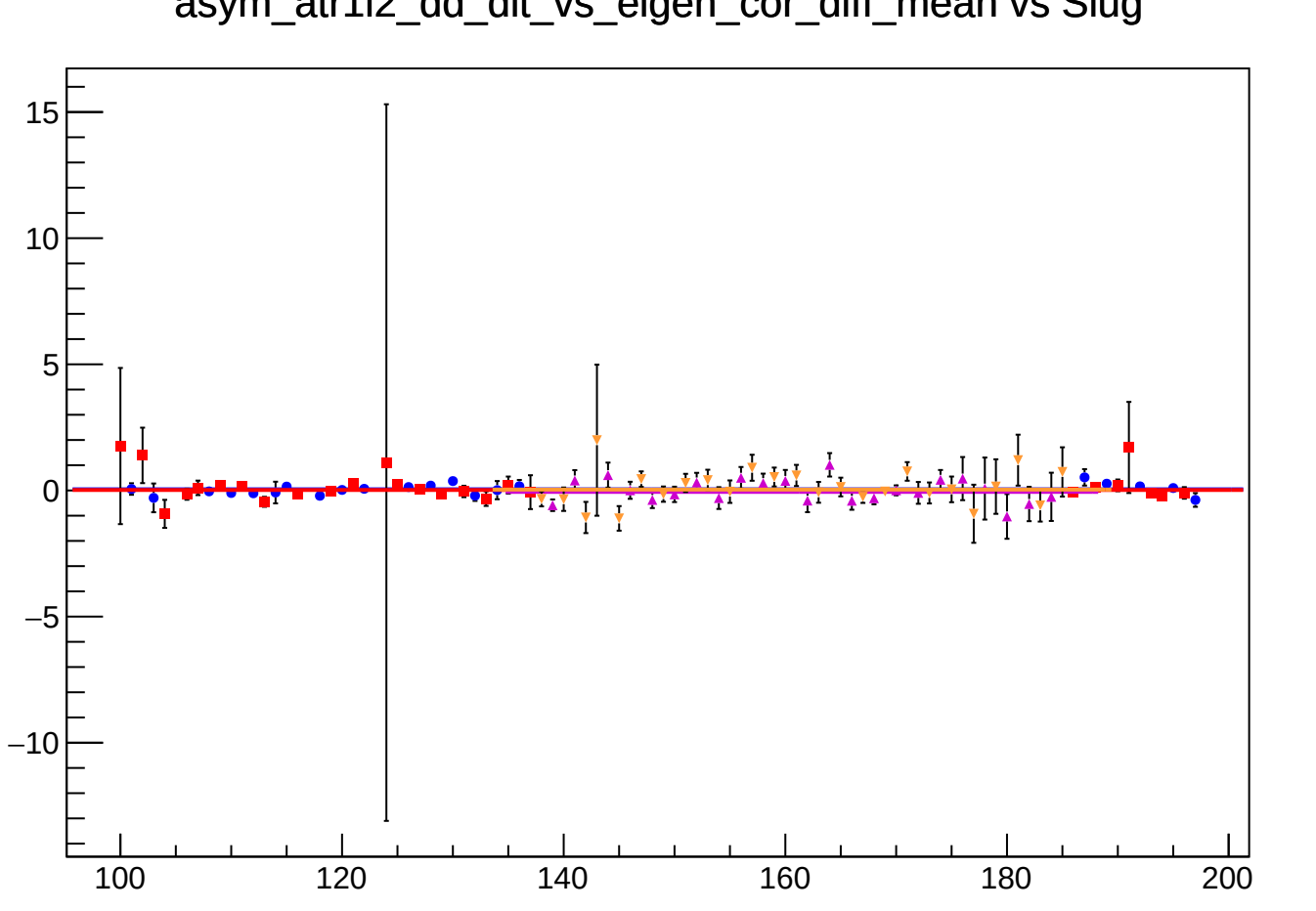
Right Out: 108.790+/-0.026 χ^2/NDF: 3551507.8/25

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.784+/-0.026 χ^2/NDF: 17220489.4/45

All: 153.351+/-0.017 χ^2/NDF: 36383697.0/94

- sign 143.595+/-0.023 χ^2/NDF: 18758352.1/48



Right In: 0.045+/-0.042 χ^2/NDF: 19.1/20

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.019+/-0.036 χ^2/NDF: 28.3/25

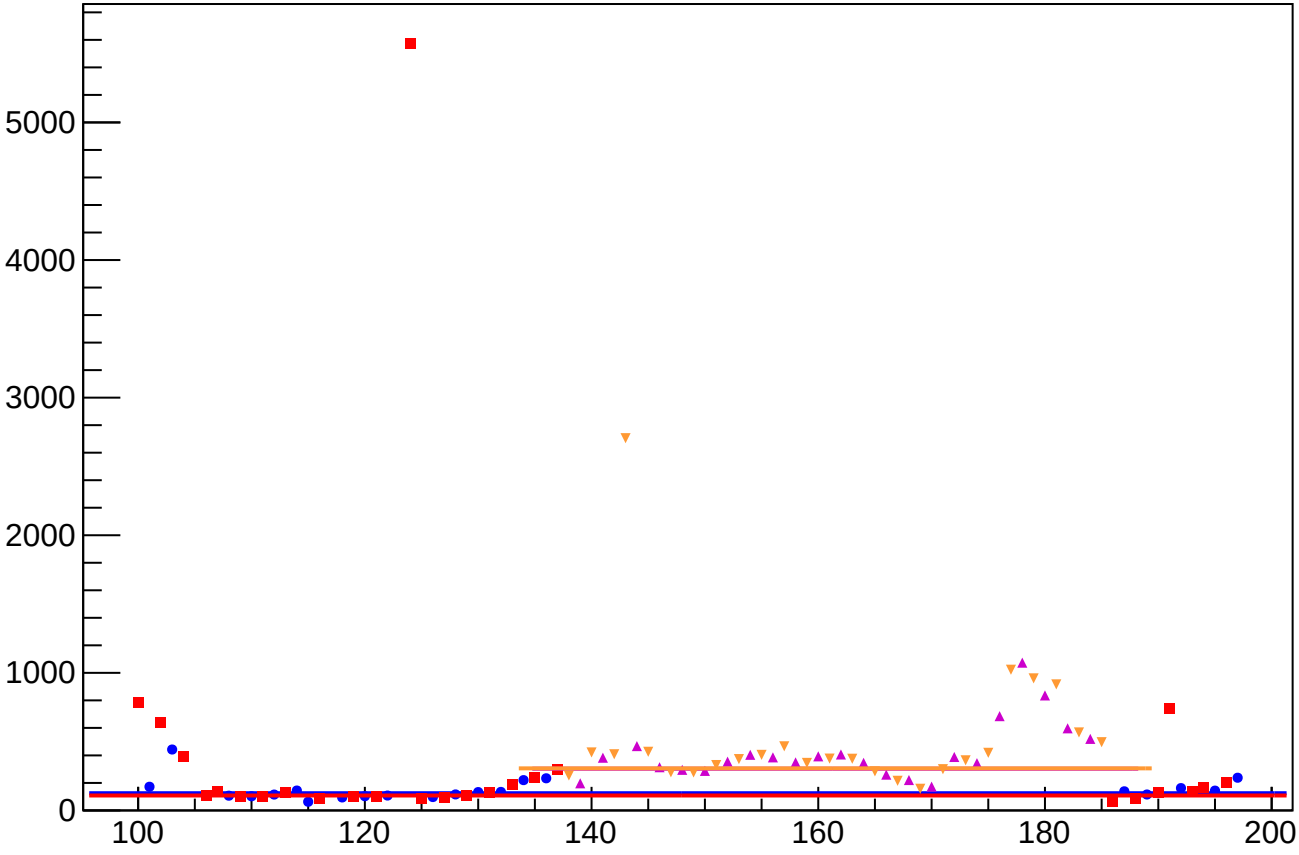
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.043+/-0.037 χ^2/NDF: 49.6/45

All: 0.022+/-0.024 χ^2/NDF: 105.3/94

- sign 0.005+/-0.033 χ^2/NDF: 55.2/48

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 125.240+/-0.030 χ^2/NDF: 2245491.8/20

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

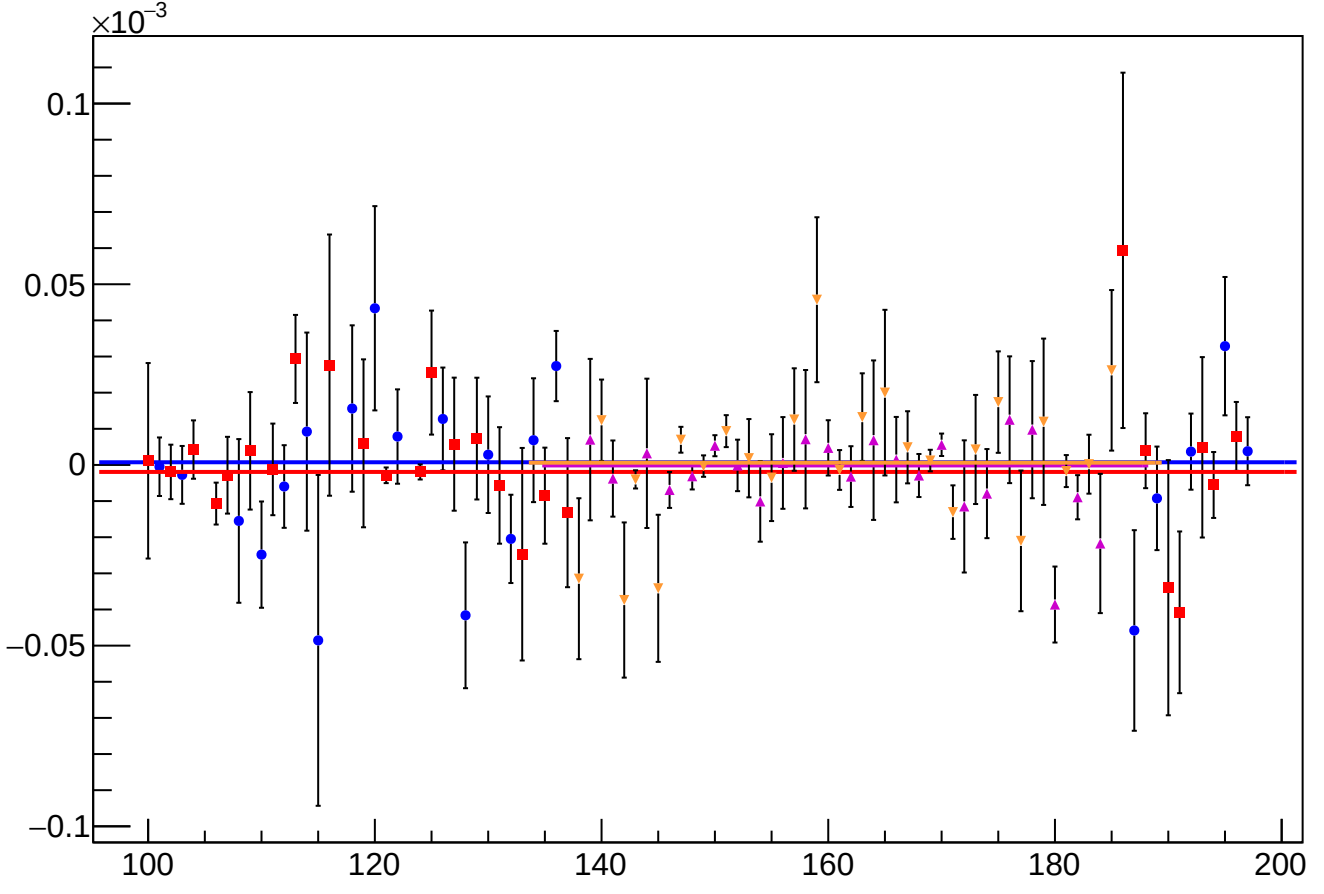
Right Out: 108.790+/-0.026 χ^2/NDF: 3551507.8/25

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.784+/-0.026 χ^2/NDF: 17220489.4/45

All: 153.351+/-0.017 χ^2/NDF: 36383697.0/94

- sign 143.595+/-0.023 χ^2/NDF: 18758352.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

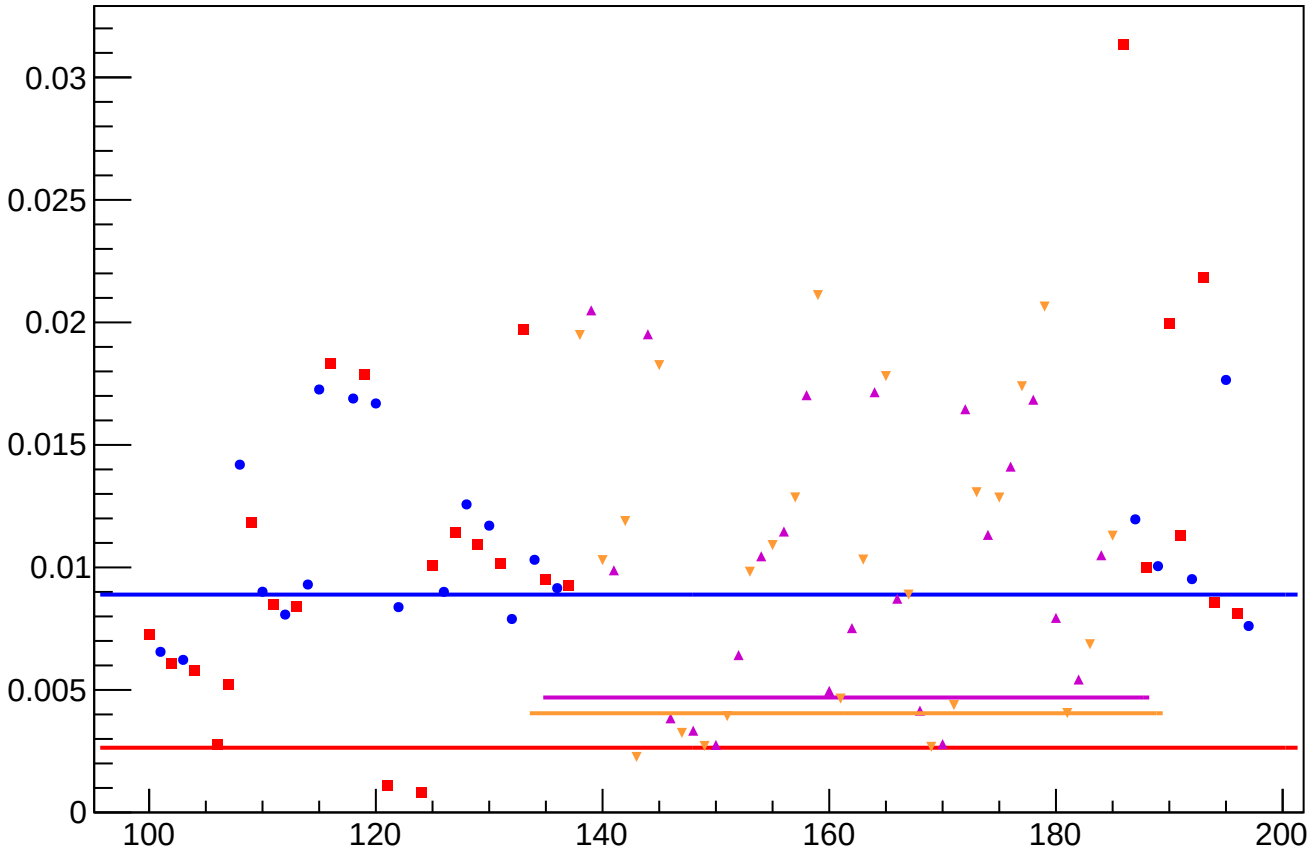
Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/25

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/45

All: -0.000+/-0.000 χ^2/NDF: 119.0/94

- sign -0.000+/-0.000 χ^2/NDF: 52.5/48



Right In: 0.009+/-0.000 χ^2/NDF: 1628951.2/20

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

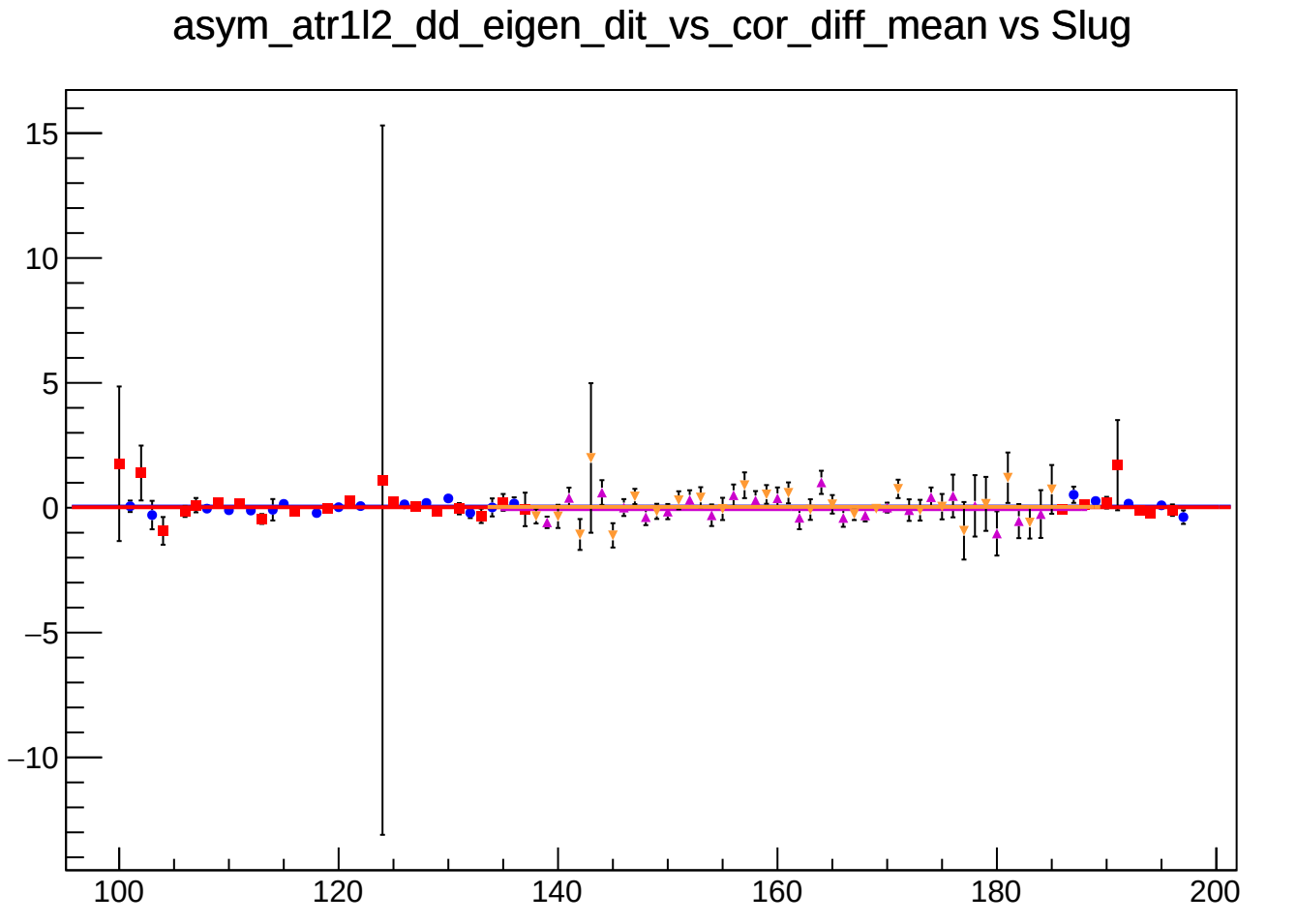
Right Out: 0.003+/-0.000 χ^2/NDF: 14522351.7/25

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

\+ sign 0.005+/-0.000 χ^2/NDF: 19886560.6/45

All: 0.004+/-0.000 χ^2/NDF: 48833464.8/94

\- sign 0.004+/-0.000 χ^2/NDF: 27692526.7/48



Right In: 0.045+/-0.042 χ^2/NDF: 19.1/20

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.019+/-0.036 χ^2/NDF: 28.3/25

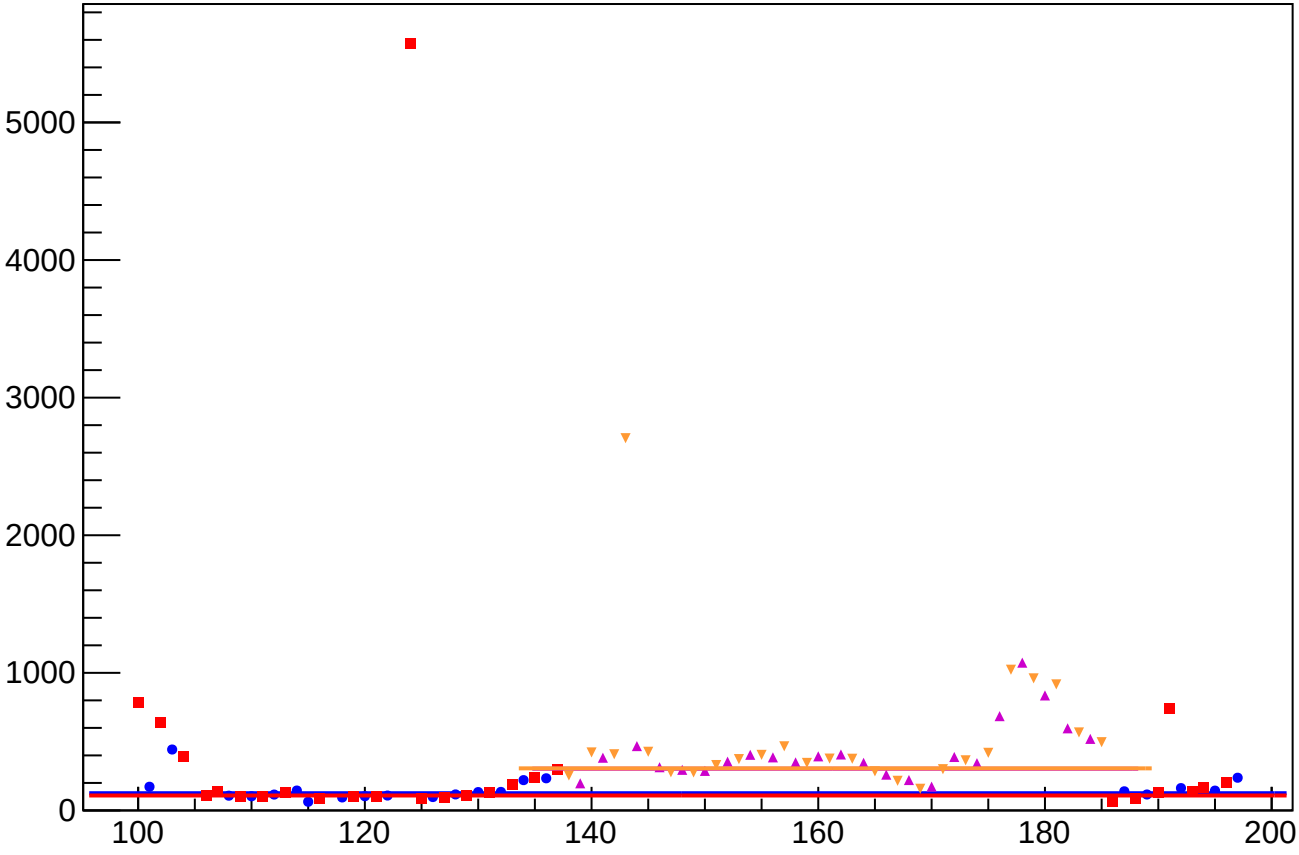
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.043+/-0.037 χ^2/NDF: 49.6/45

All: 0.022+/-0.024 χ^2/NDF: 105.3/94

- sign 0.005+/-0.033 χ^2/NDF: 55.2/48

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 125.240+/-0.030 χ^2/NDF: 2245477.0/20

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

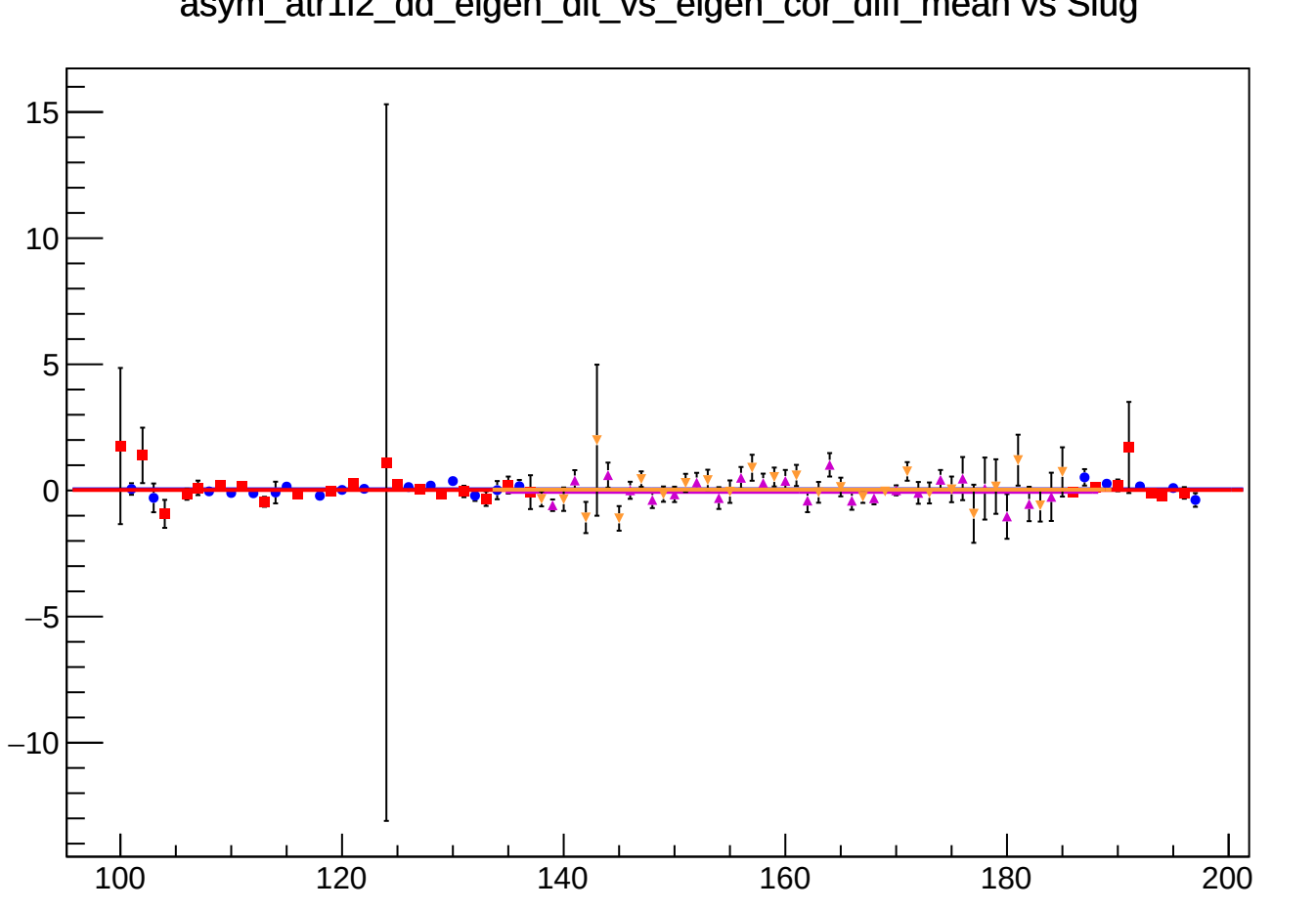
Right Out: 108.791+/-0.026 χ^2/NDF: 3551343.6/25

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.784+/-0.026 χ^2/NDF: 17220558.0/45

All: 153.352+/-0.017 χ^2/NDF: 36383603.4/94

- sign 143.596+/-0.023 χ^2/NDF: 18758205.0/48



Right In: 0.045+/-0.042 χ^2/NDF: 19.1/20

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

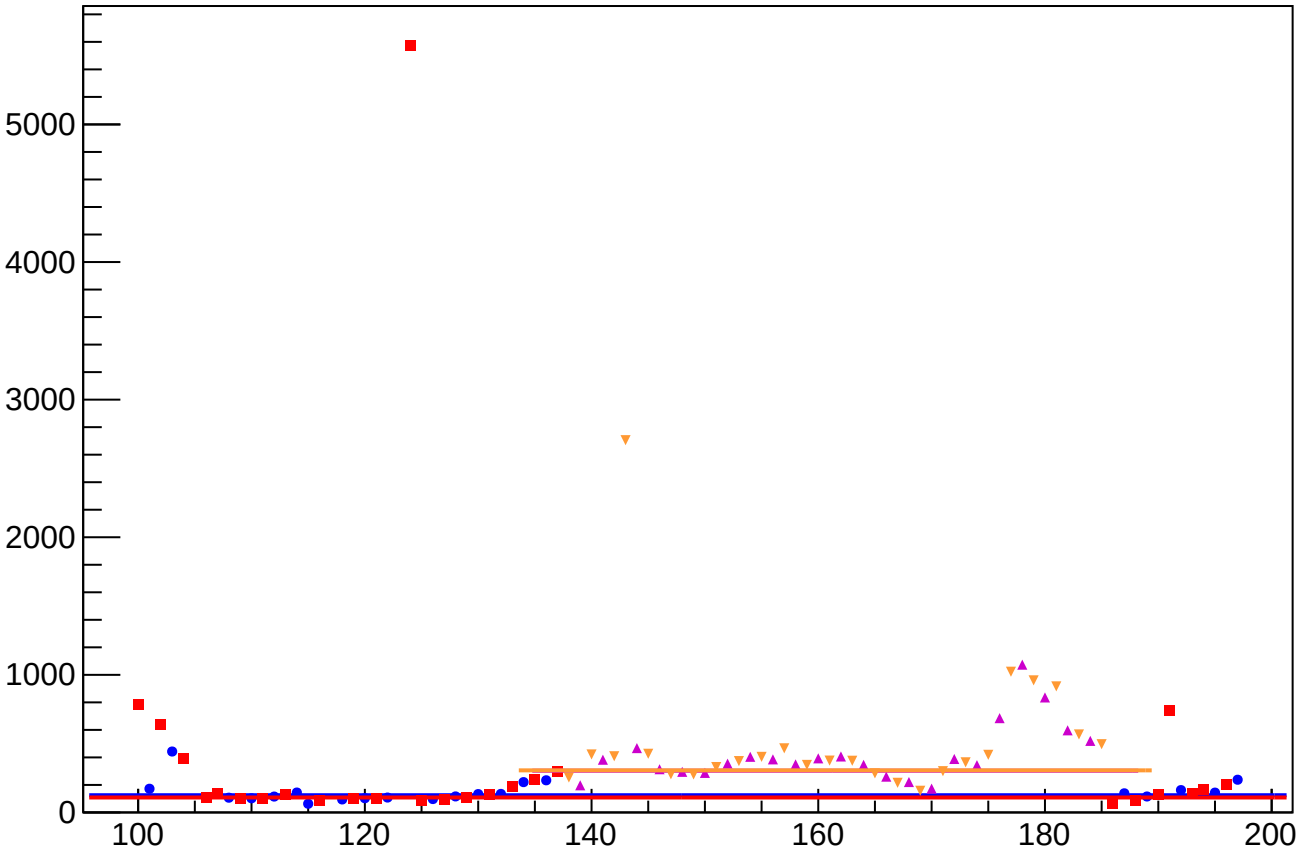
Right Out: 0.019+/-0.036 χ^2/NDF: 28.3/25

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.043+/-0.037 χ^2/NDF: 49.6/45

All: 0.022+/-0.024 χ^2/NDF: 105.3/94

- sign 0.005+/-0.033 χ^2/NDF: 55.2/48



Right In: 125.240+/-0.030 χ^2/NDF: 2245477.0/20

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

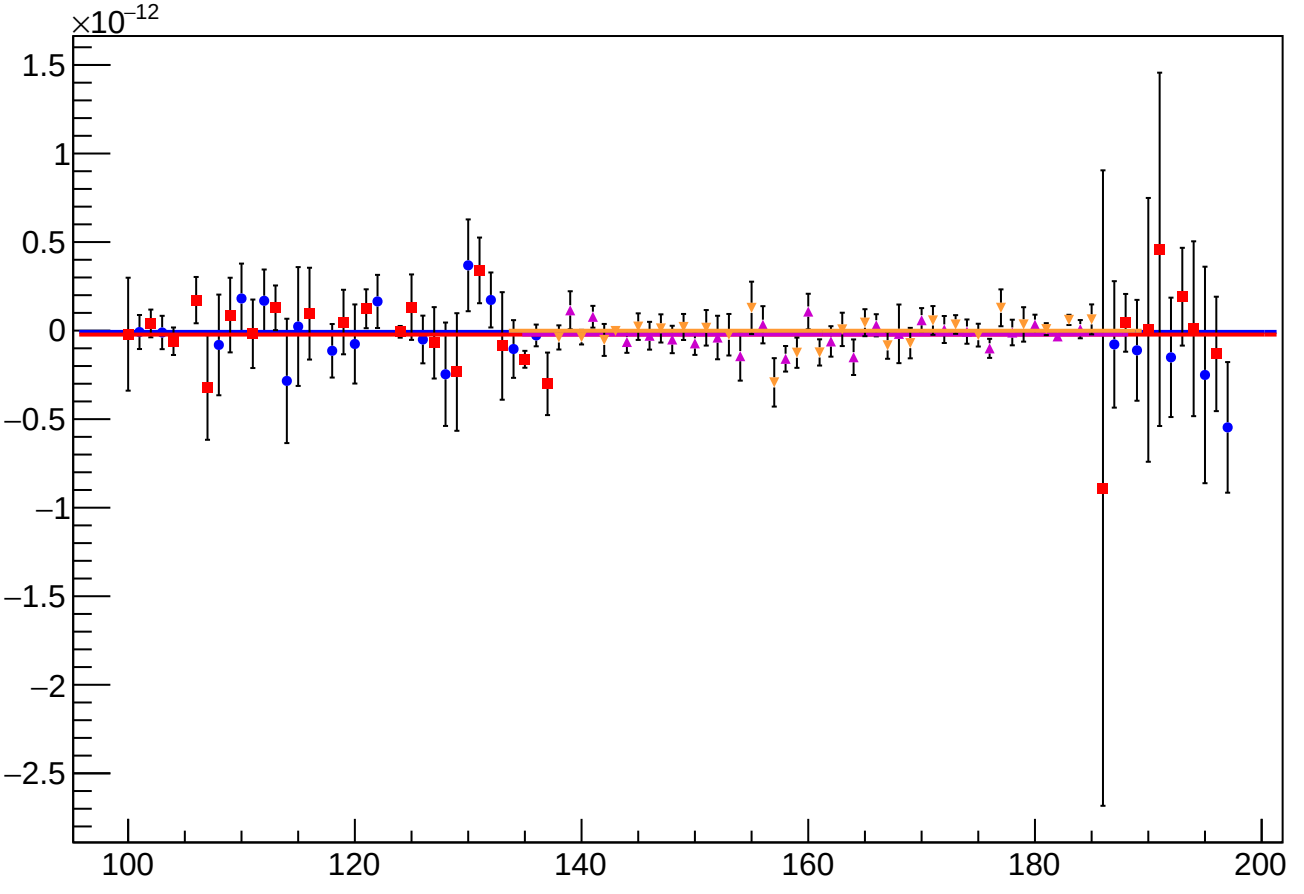
Right Out: 108.791+/-0.026 χ^2/NDF: 3551343.6/25

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.784+/-0.026 χ^2/NDF: 17220558.0/45

All: 153.352+/-0.017 χ^2/NDF: 36383603.4/94

- sign 143.596+/-0.023 χ^2/NDF: 18758205.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

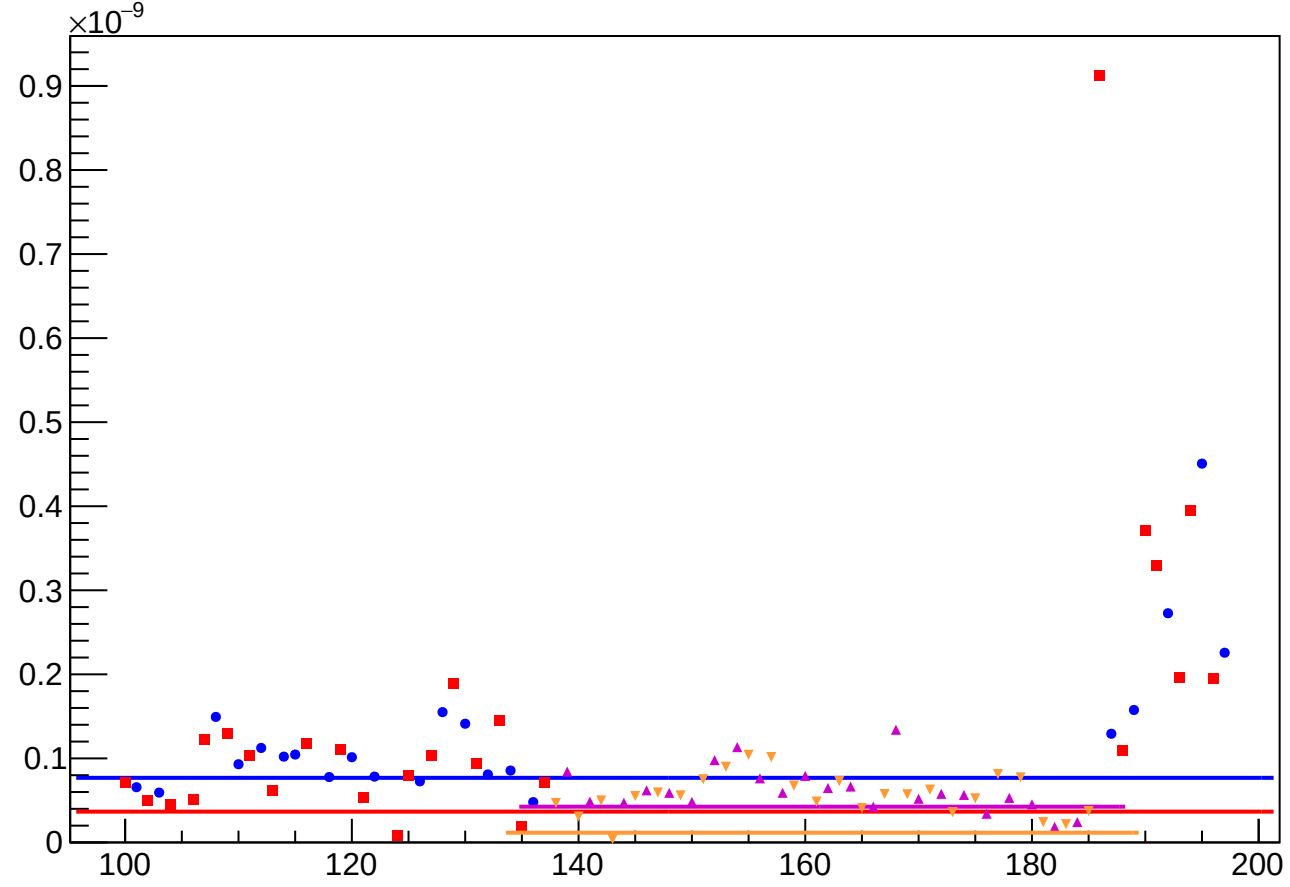
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/25

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.9/45

All: -0.000+/-0.000 χ^2/NDF: 81.8/94

- sign -0.000+/-0.000 χ^2/NDF: 45.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 3040695.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8178712.2/25

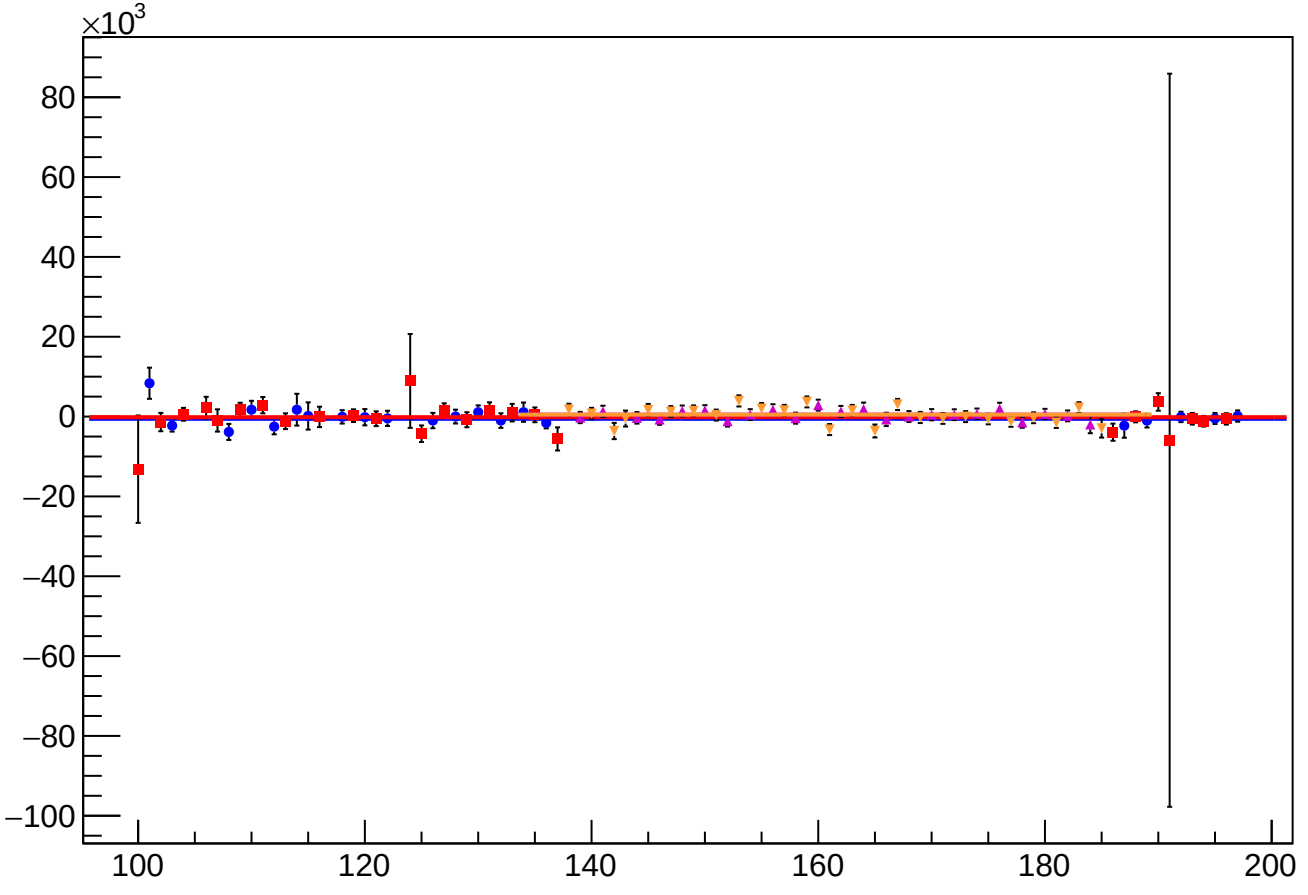
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 28192688.3/45

All: 0.000+/-0.000 χ^2/NDF: 51244996.0/94

- sign 0.000+/-0.000 χ^2/NDF: 13709293.9/48

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -554.707+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.945+/-386.866 χ^2/NDF: 22.9/25

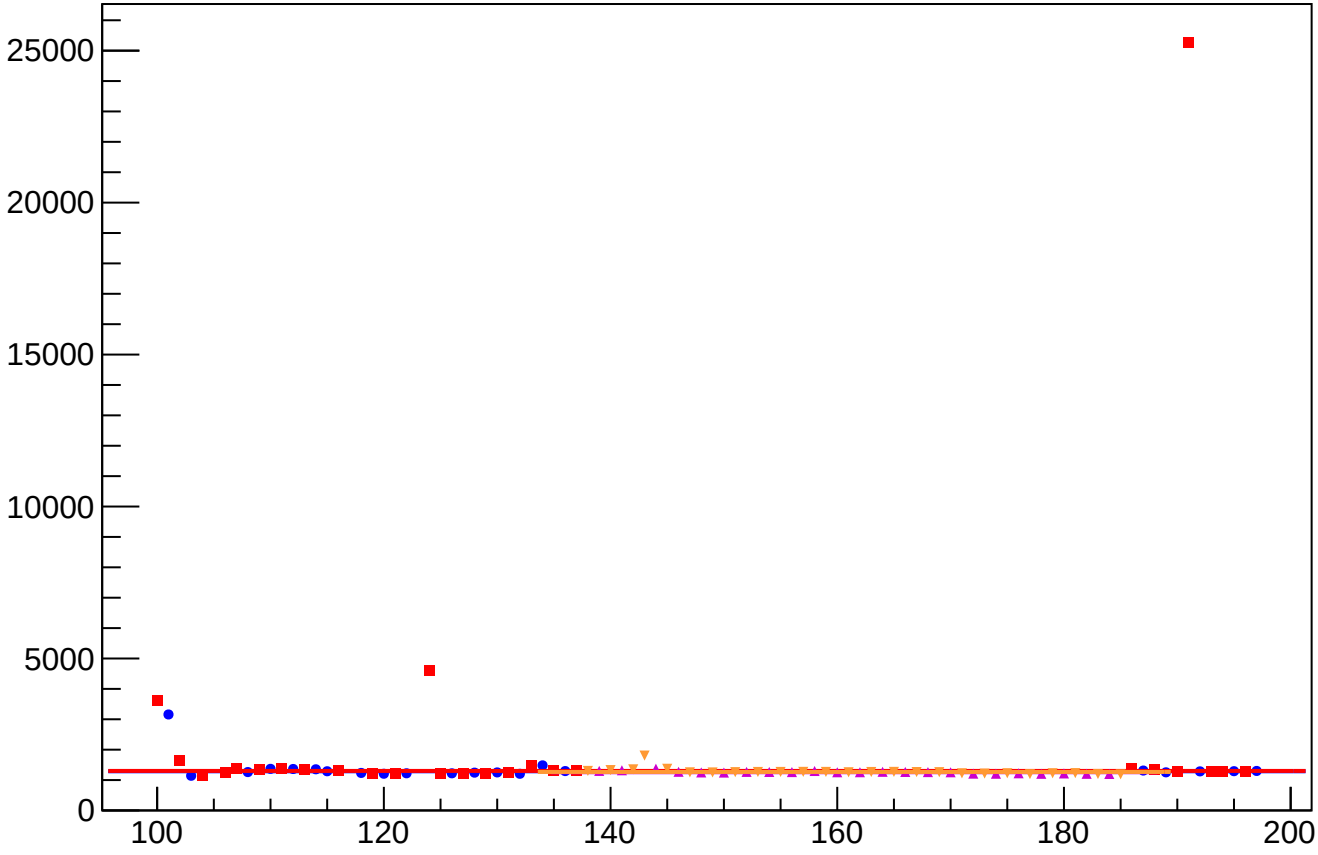
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 134.016+/-234.010 χ^2/NDF: 66.1/45

All: 192.708+/-165.453 χ^2/NDF: 105.3/94

- sign 251.375+/-233.960 χ^2/NDF: 39.1/48

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515758.7/20

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

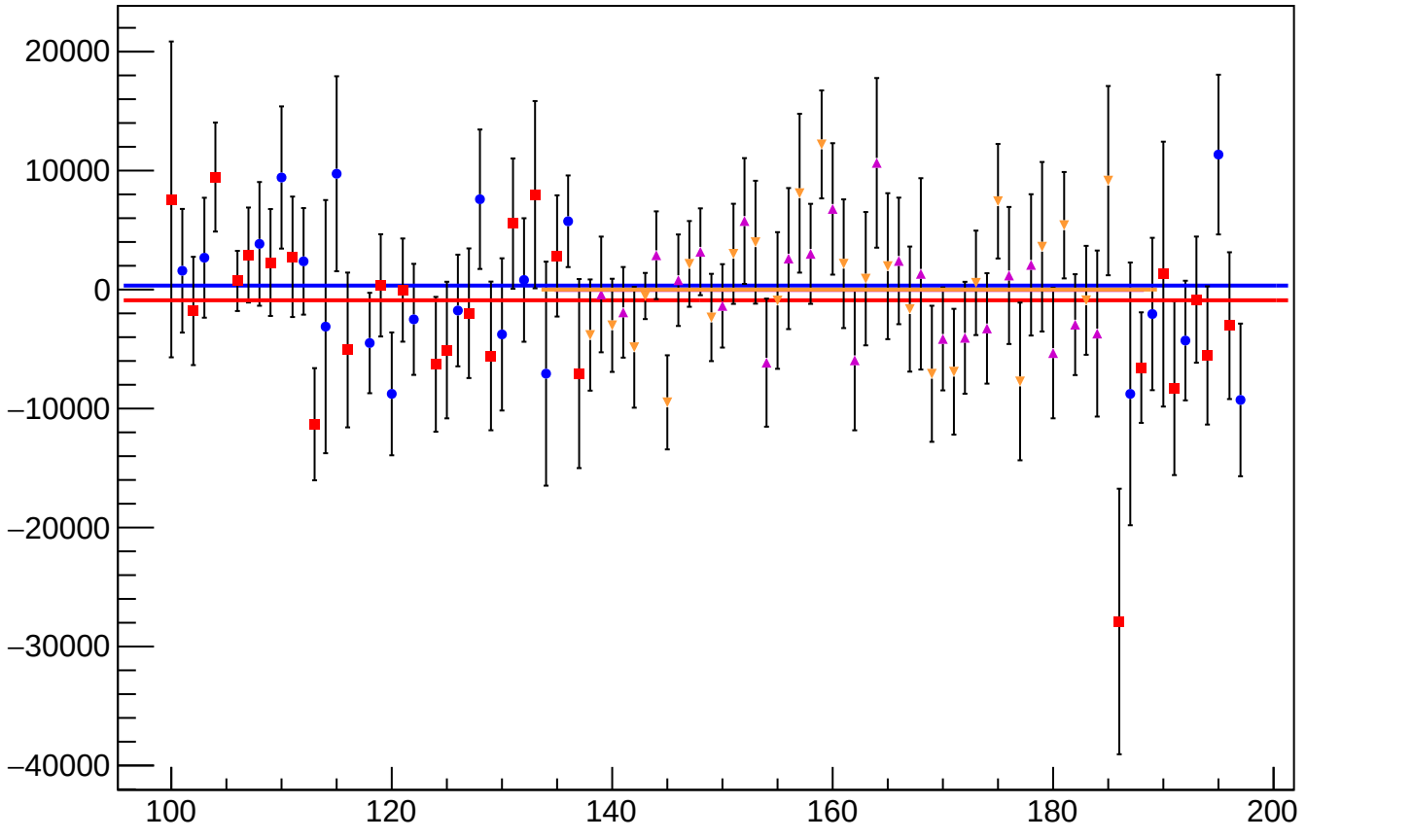
Right Out: 1300.693+/-0.273 χ^2/NDF: 465812.9/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707202.5/45

All: 1273.889+/-0.117 χ^2/NDF: 1225660.3/94

- sign 1273.363+/-0.165 χ^2/NDF: 518437.5/48



Right In: 334.878+/-1205.577 χ^2/NDF: 20.8/20

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

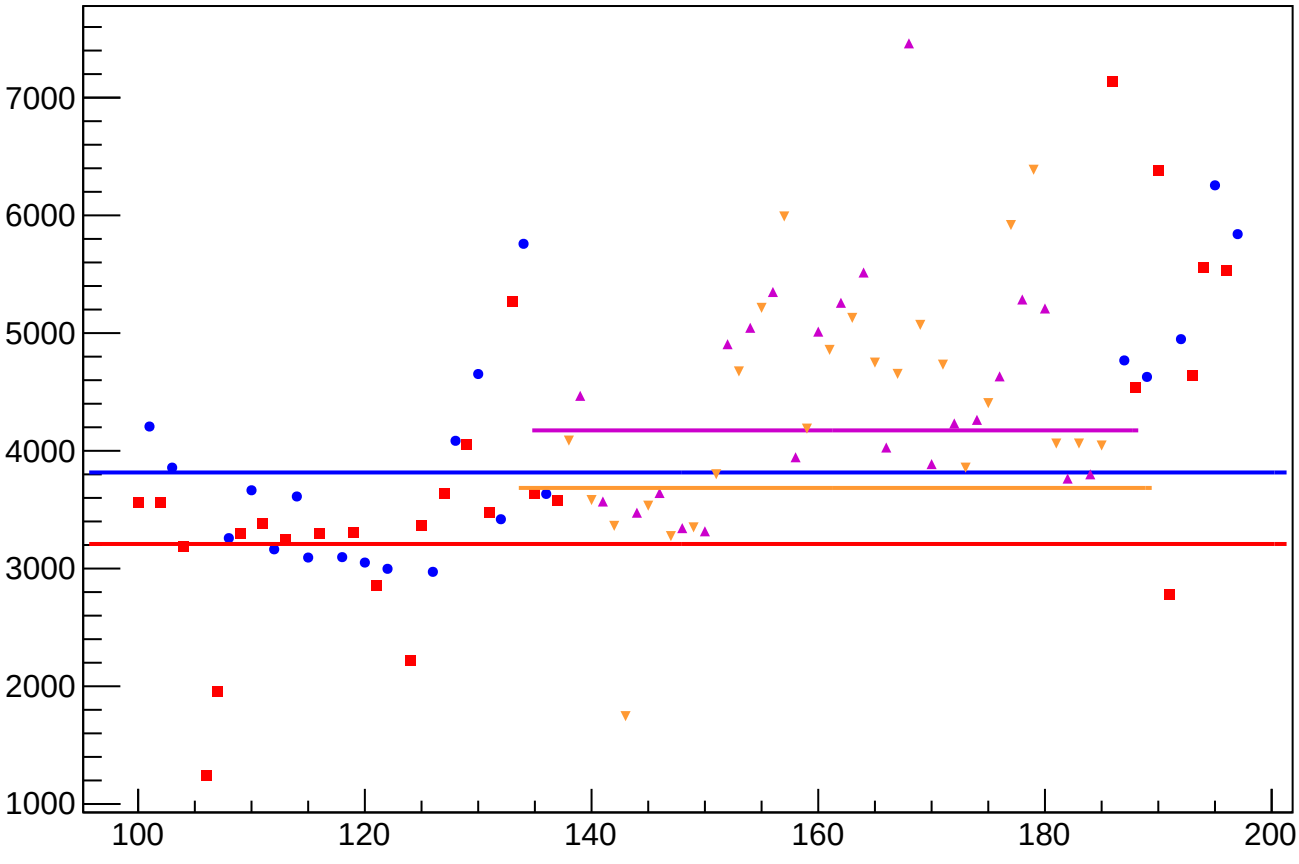
Right Out: -899.769+/-1008.735 χ^2/NDF: 28.3/25

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 117.131+/-714.190 χ^2/NDF: 49.9/45

All: -173.682+/-502.986 χ^2/NDF: 92.9/94

- sign -459.882+/-708.503 χ^2/NDF: 42.7/48



Right In: 3816.131+/-0.852 χ^2/NDF: 1074419.0/20

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3208.734+/-0.713 χ^2/NDF: 3048047.1/25

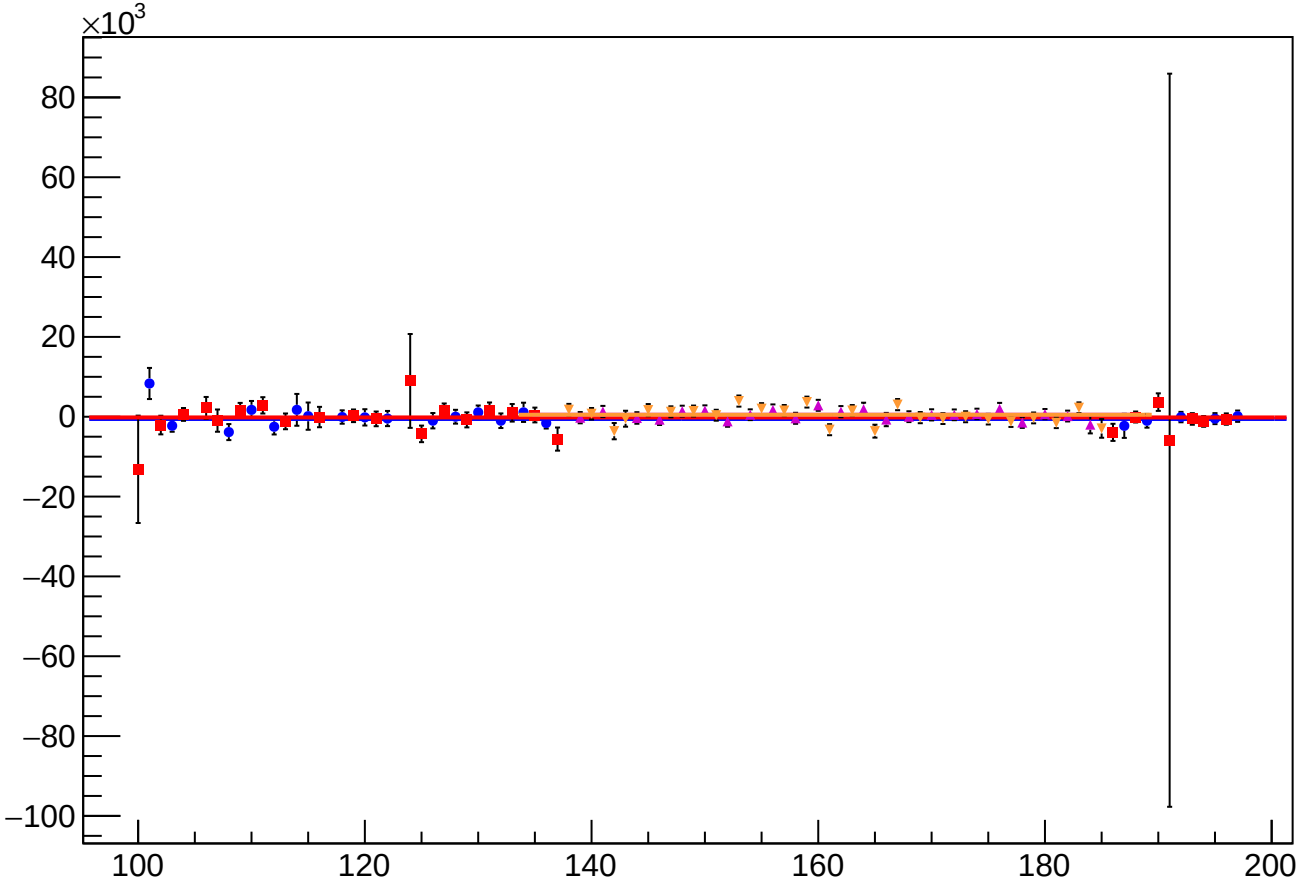
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3730.869+/-0.505 χ^2/NDF: 4783477.7/45

All: 3714.096+/-0.356 χ^2/NDF: 10035734.3/9

- sign 3697.589+/-0.501 χ^2/NDF: 5250067.8/48

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -175.365+/-387.027 χ^2/NDF: 23.3/25

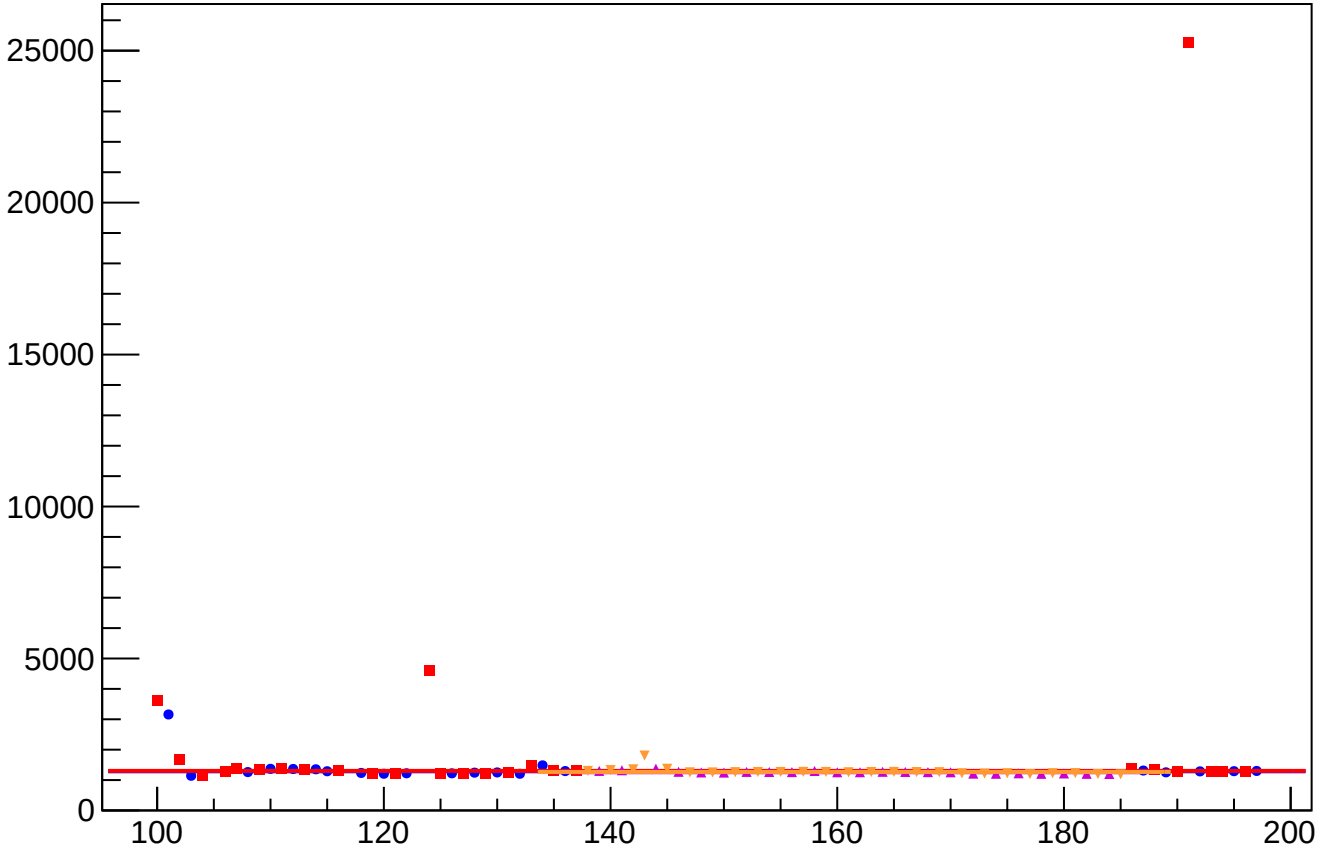
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.938+/-234.010 χ^2/NDF: 66.1/45

All: 189.323+/-165.465 χ^2/NDF: 105.8/94

- sign 244.702+/-233.996 χ^2/NDF: 39.6/48

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

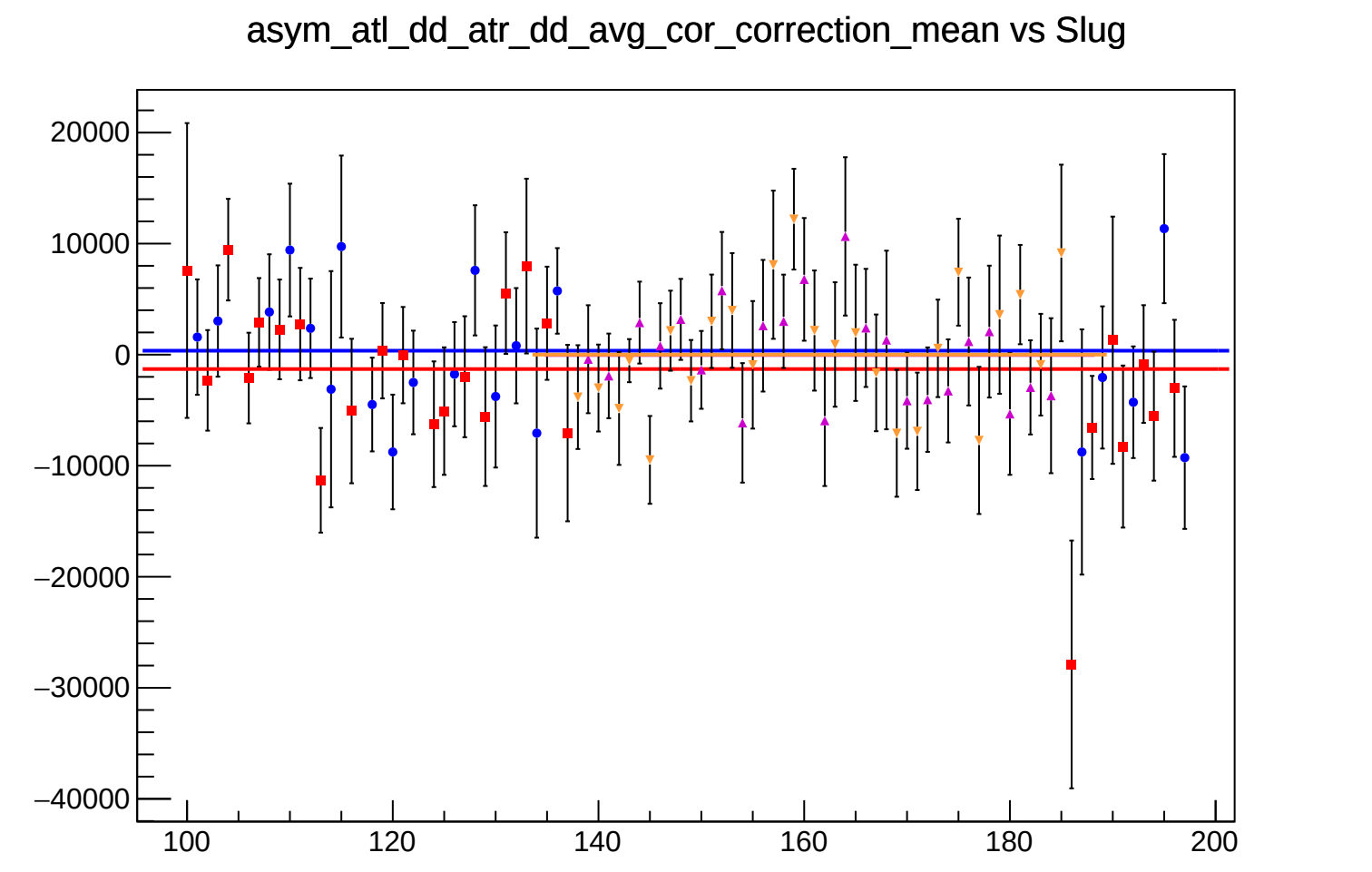
Right Out: 1301.974+/-0.273 χ^2/NDF: 472288.7/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707203.8/45

All: 1274.115+/-0.117 χ^2/NDF: 1233057.2/94

- sign 1273.814+/-0.165 χ^2/NDF: 525846.8/48



Right In: 356.476+/-1205.235 χ^2/NDF: 20.9/20

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

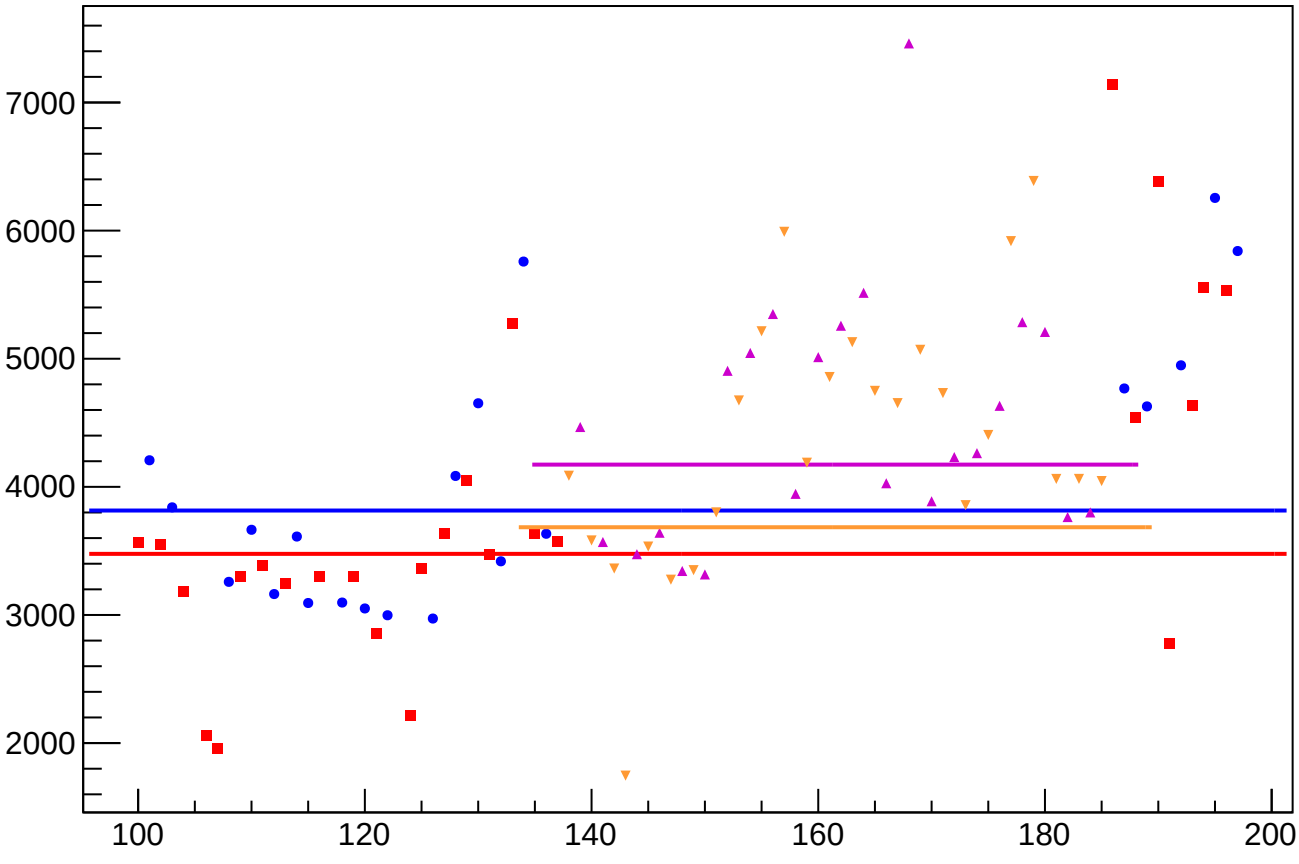
Right Out: -1295.913+/-1061.753 χ^2/NDF: 27.9/25

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 124.798+/-714.119 χ^2/NDF: 50.0/45

All: -242.842+/-509.161 χ^2/NDF: 93.2/94

- sign -622.984+/-726.158 χ^2/NDF: 42.7/48



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

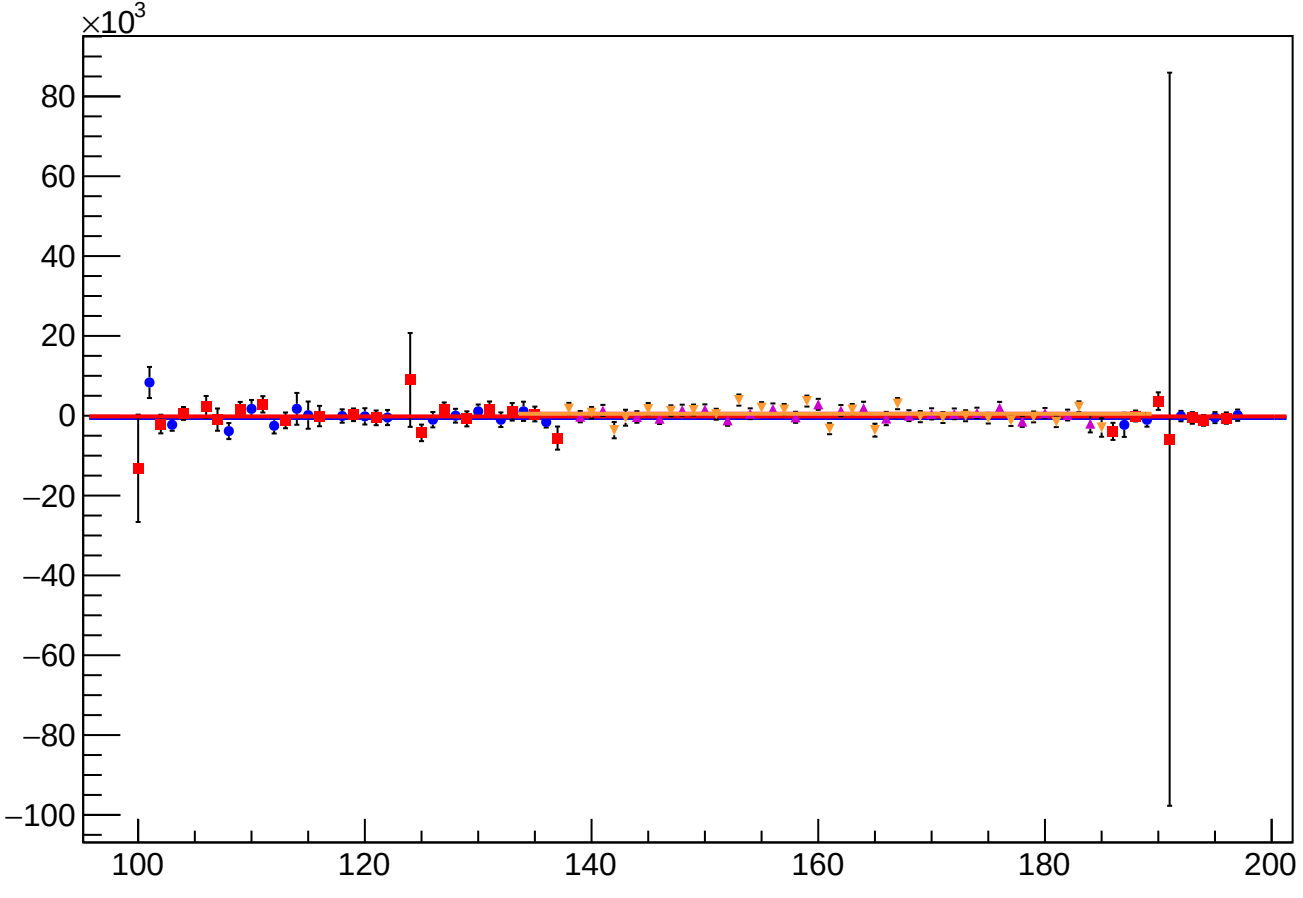
Right Out: 3476.932+/-0.751 χ^2/NDF: 1868011.4/25

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3730.555+/-0.505 χ^2/NDF: 4783283.5/45

All: 3788.151+/-0.360 χ^2/NDF: 8410958.4/94

- sign 3847.705+/-0.513 χ^2/NDF: 3601213.0/48



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -175.365+/-387.027 χ^2/NDF: 23.3/25

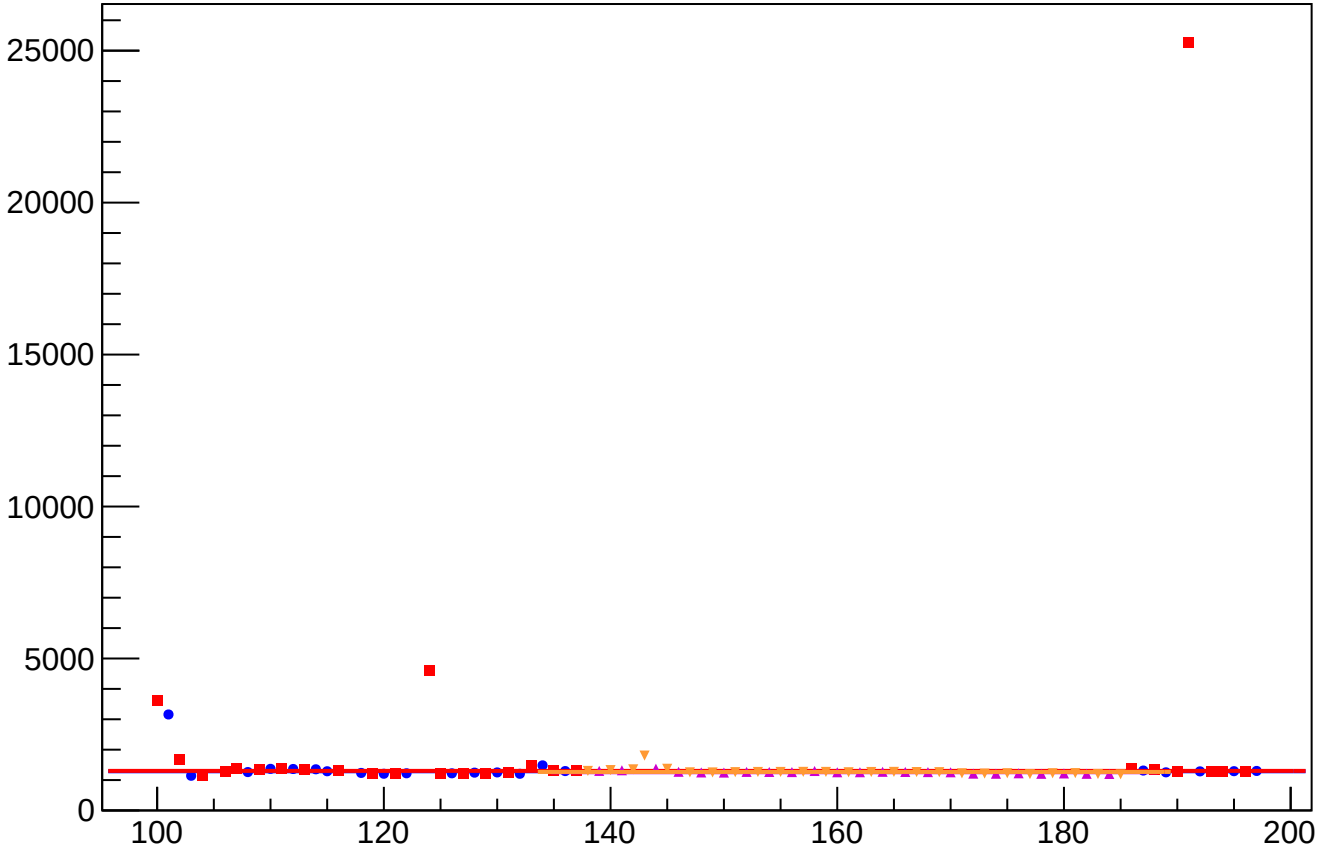
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.938+/-234.010 χ^2/NDF: 66.1/45

All: 189.323+/-165.465 χ^2/NDF: 105.8/94

- sign 244.702+/-233.996 χ^2/NDF: 39.6/48

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

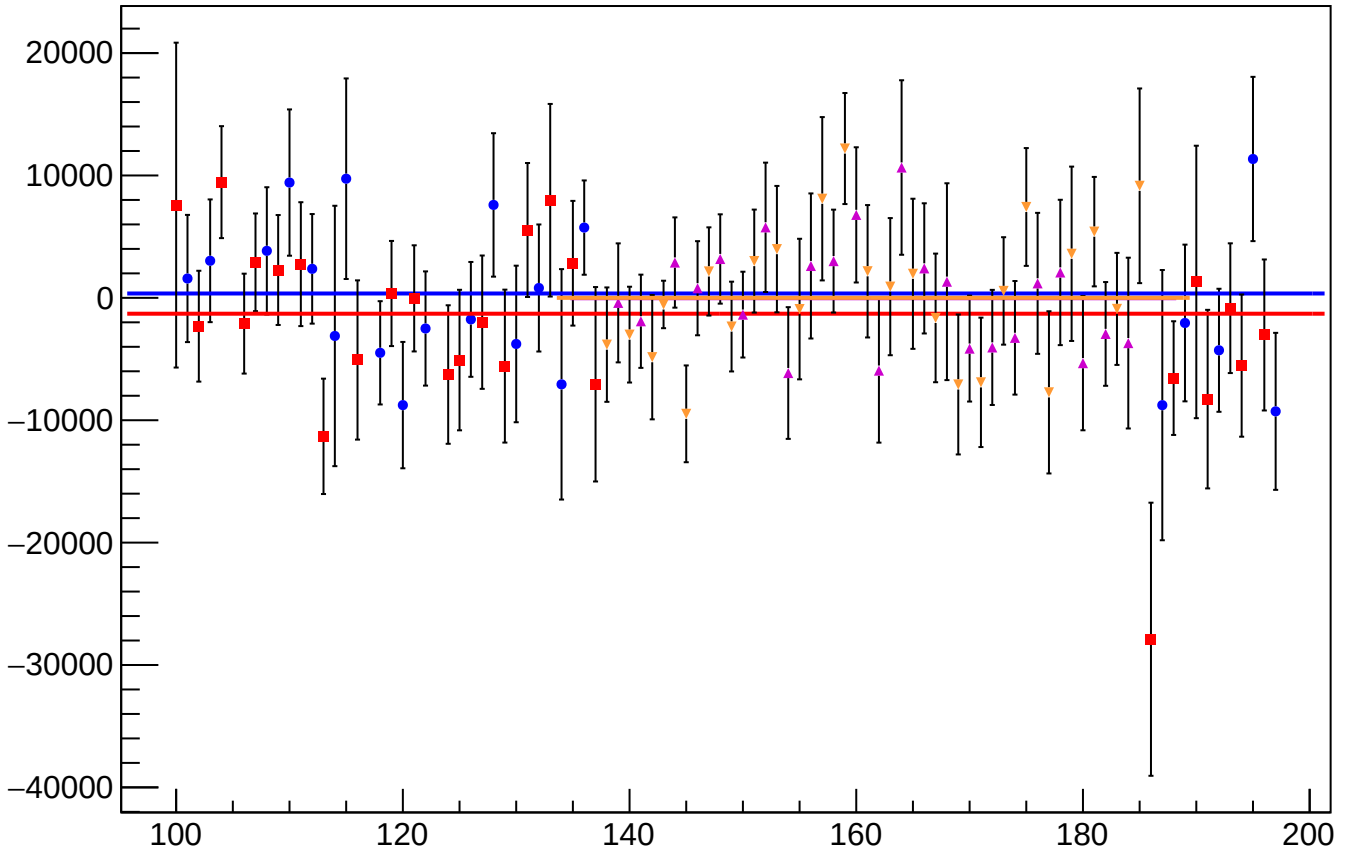
Right Out: 1301.974+/-0.273 χ^2/NDF: 472288.7/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707203.8/45

All: 1274.115+/-0.117 χ^2/NDF: 1233057.2/94

- sign 1273.814+/-0.165 χ^2/NDF: 525846.8/48



Right In: 356.476+/-1205.235 χ^2/NDF: 20.9/20

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

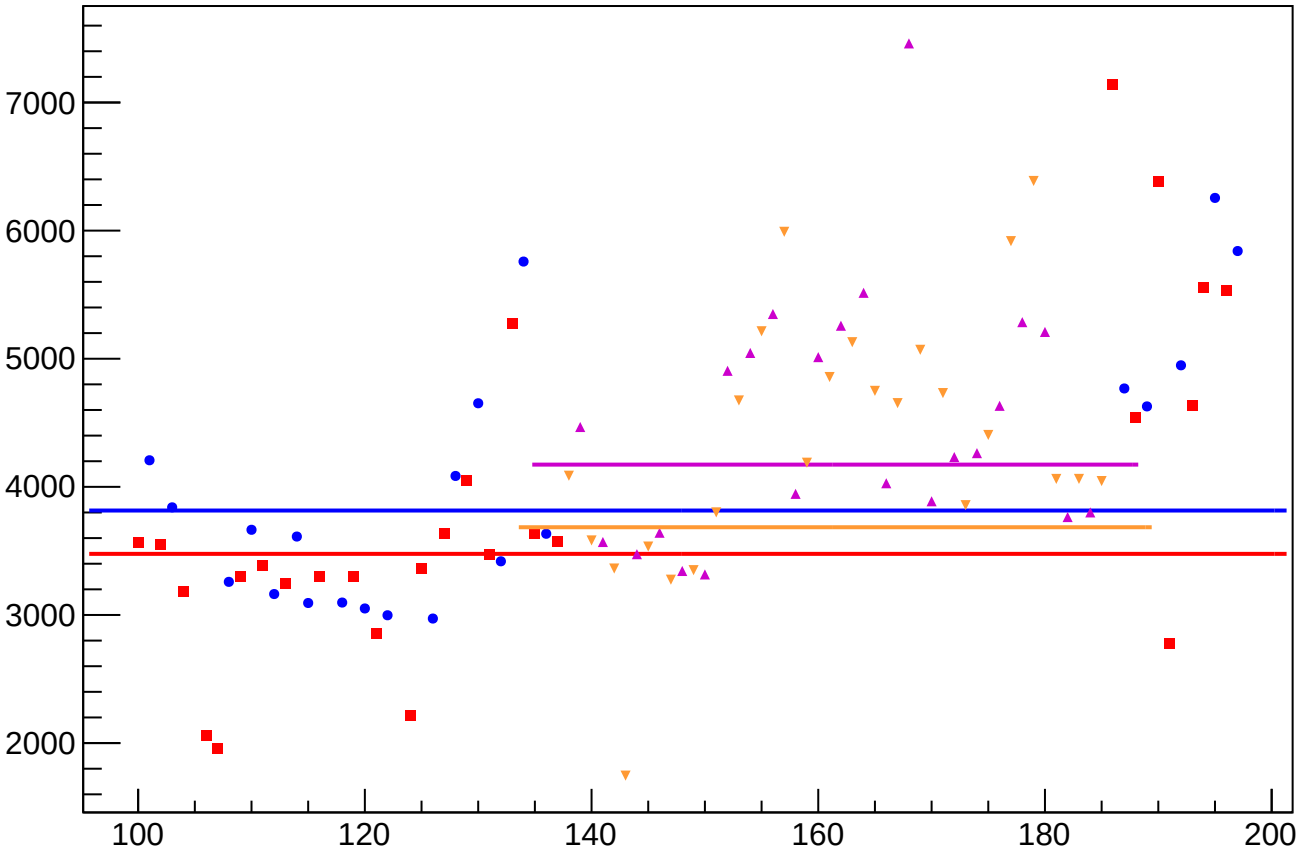
Right Out: -1295.913+/-1061.753 χ^2/NDF: 27.9/25

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 124.798+/-714.119 χ^2/NDF: 50.0/45

All: -242.842+/-509.161 χ^2/NDF: 93.2/94

- sign -622.984+/-726.158 χ^2/NDF: 42.7/48


asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug
7000
6000
5000
4000
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2000
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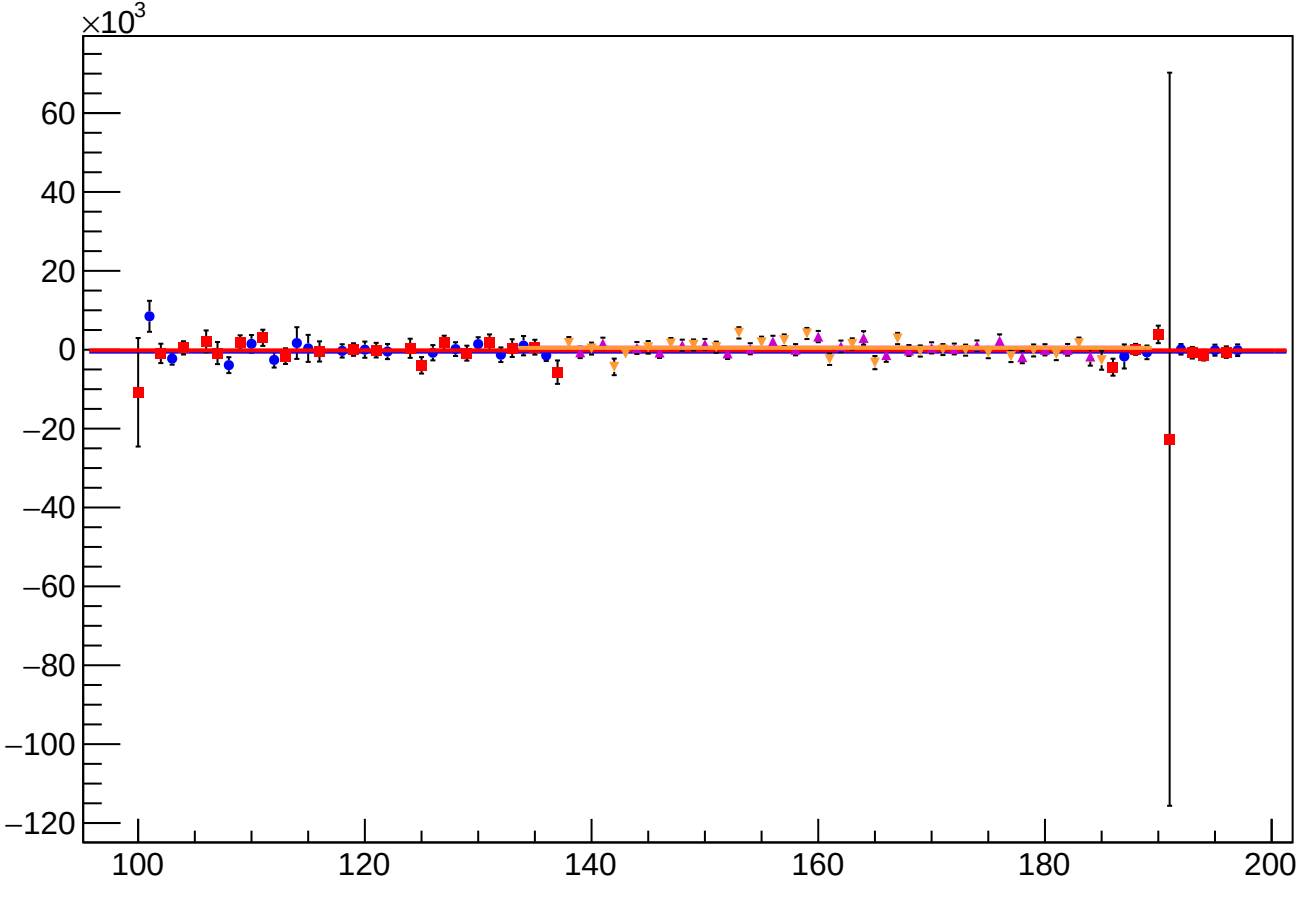
120
140
160
180
200
Right In: 3815.200+/-0.852 χ²/NDF: 1074394.6/20
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3476.932+/-0.751 χ²/NDF: 1868011.4/25
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
+ sign 3730.555+/-0.505 χ²/NDF: 4783283.5/45
All: 3788.151+/-0.360 χ²/NDF: 8410958.4/94
- sign 3847.705+/-0.513 χ²/NDF: 3601213.0/48



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

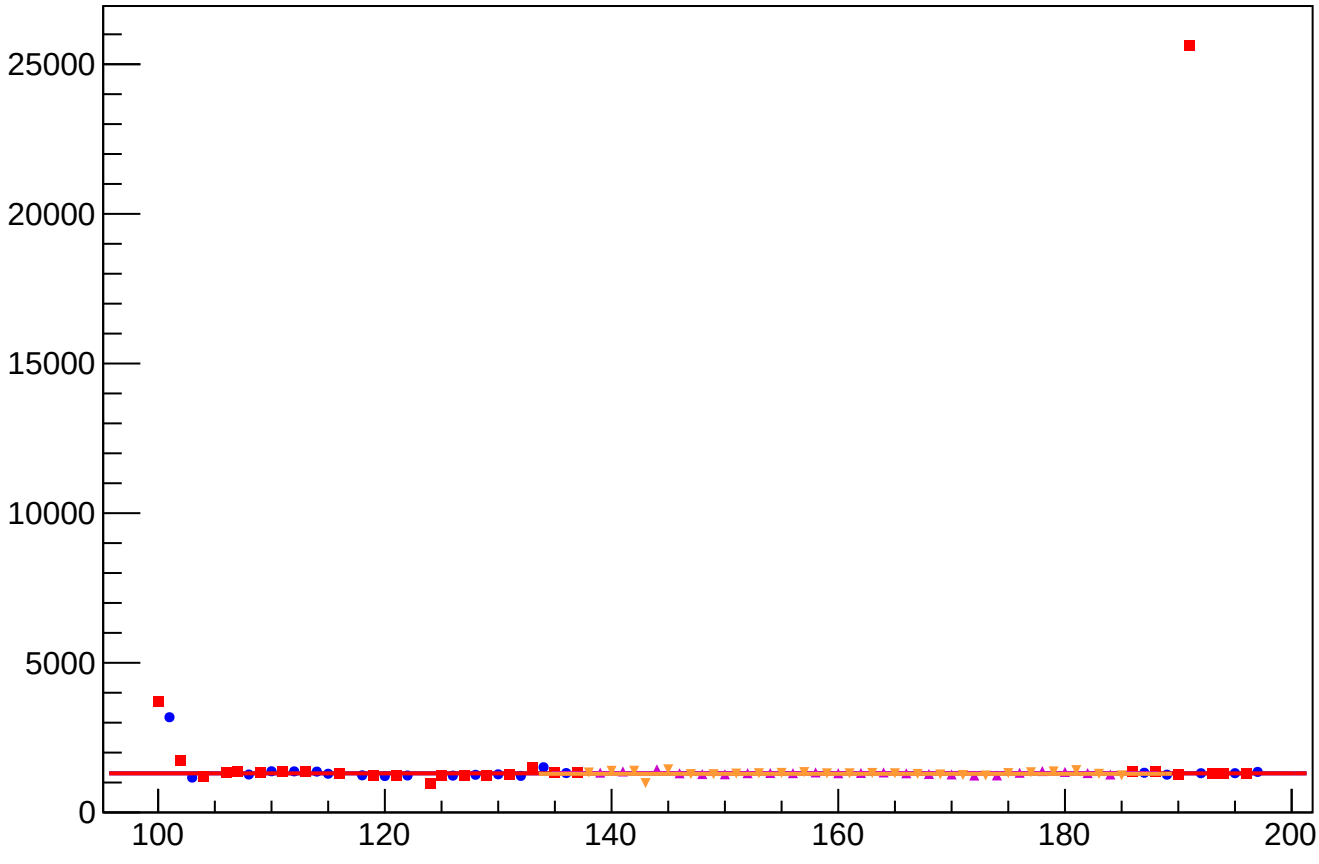
Right Out: -156.863+/-387.636 χ^2/NDF: 23.6/25

Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 139.422+/-238.246 χ^2/NDF: 62.4/45

All: 193.620+/-169.323 χ^2/NDF: 105.3/94

- sign 248.936+/-240.692 χ^2/NDF: 42.8/48



Right In: 1307.353+/-0.287 χ^2/NDF: 514221.9/20

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

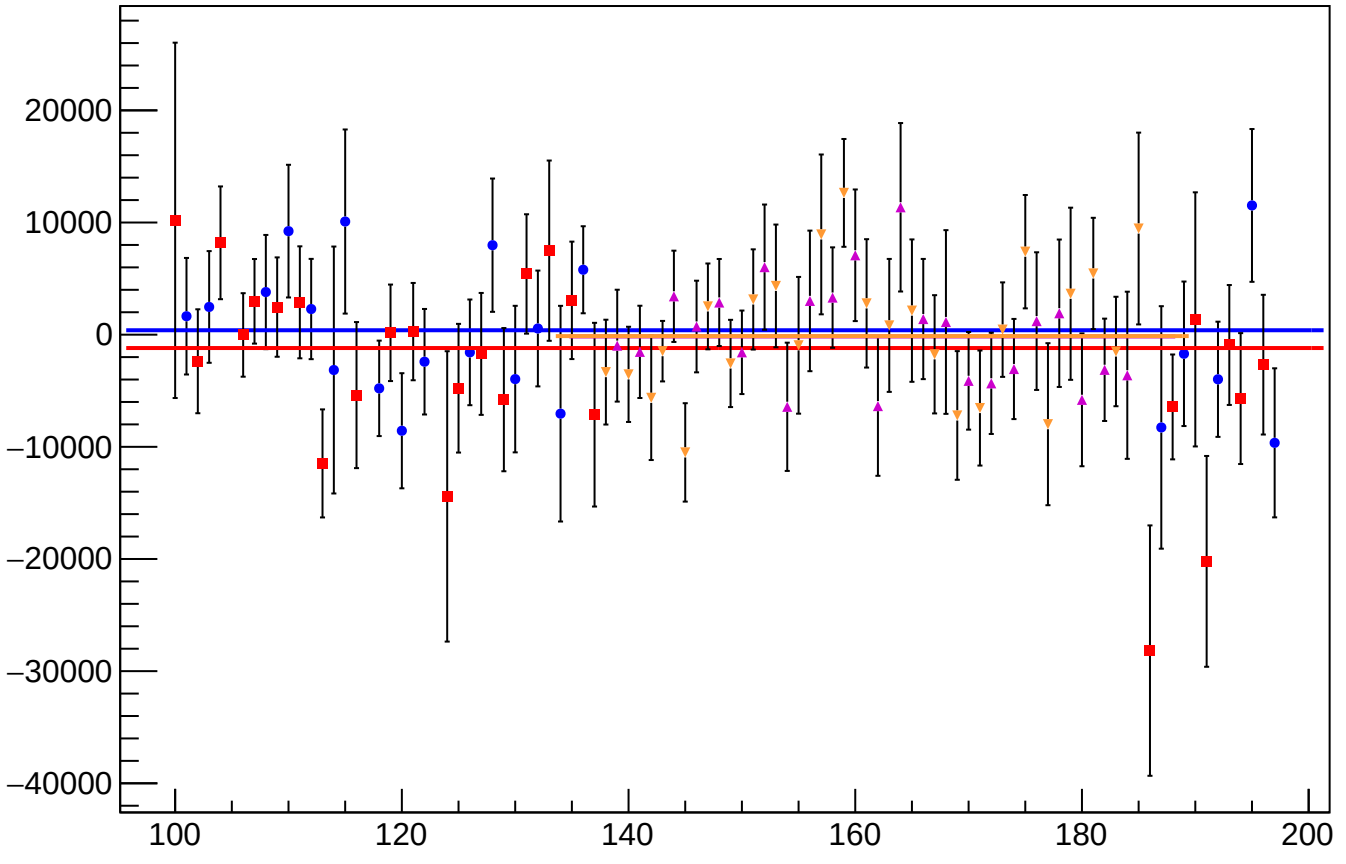
Right Out: 1306.477+/-0.274 χ^2/NDF: 360247.7/25

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.771+/-0.168 χ^2/NDF: 747030.3/45

All: 1303.864+/-0.120 χ^2/NDF: 1154368.0/94

- sign 1311.101+/-0.170 χ^2/NDF: 403756.2/48



Right In: 394.384+/-1210.625 χ^2/NDF: 20.7/20

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

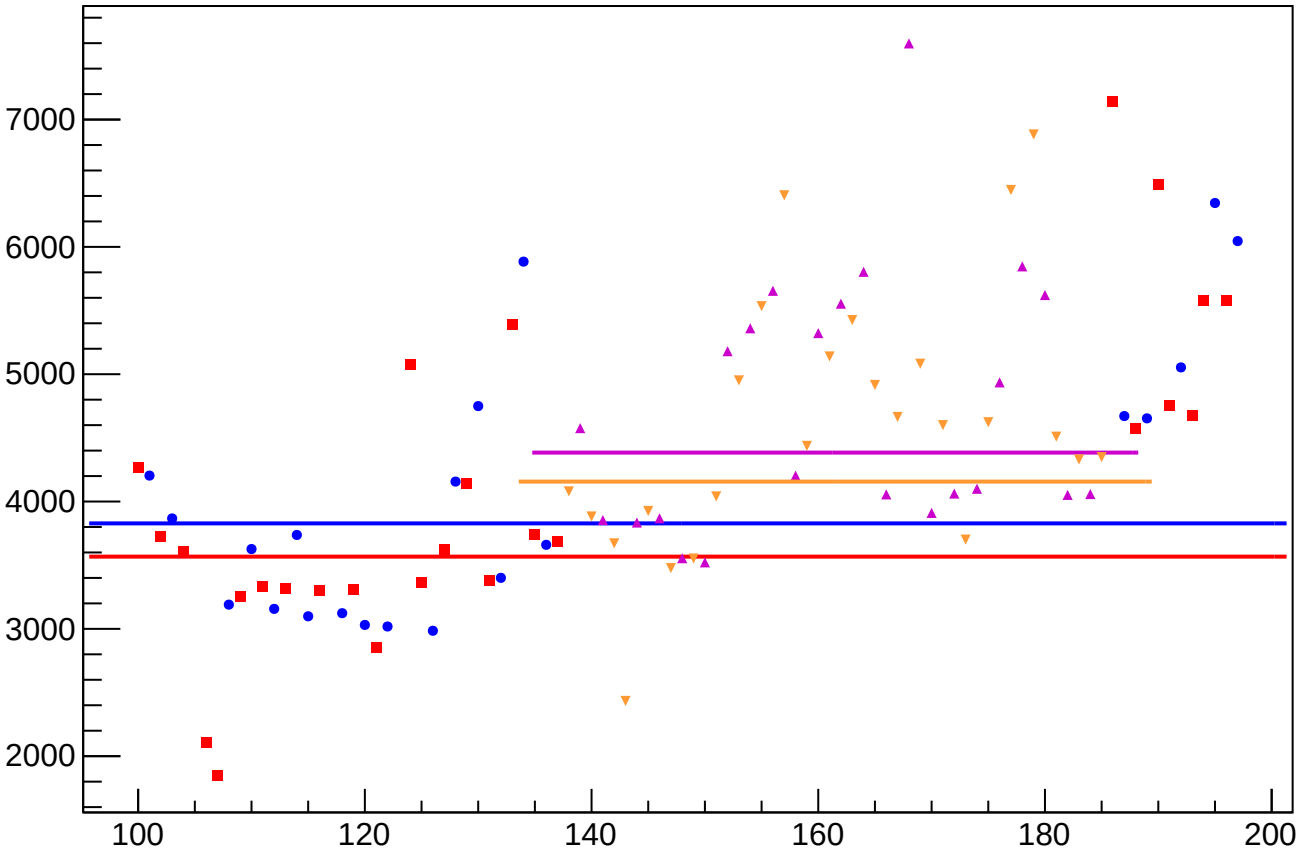
Right Out: -1191.530+/-1079.945 χ^2/NDF: 29.7/25

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 78.532+/-760.407 χ^2/NDF: 49.4/45

All: -294.628+/-534.392 χ^2/NDF: 93.8/94

- sign -658.775+/-751.166 χ^2/NDF: 43.9/48



Right In: 3828.348+/-0.856 χ^2/NDF: 1141062.0/20

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

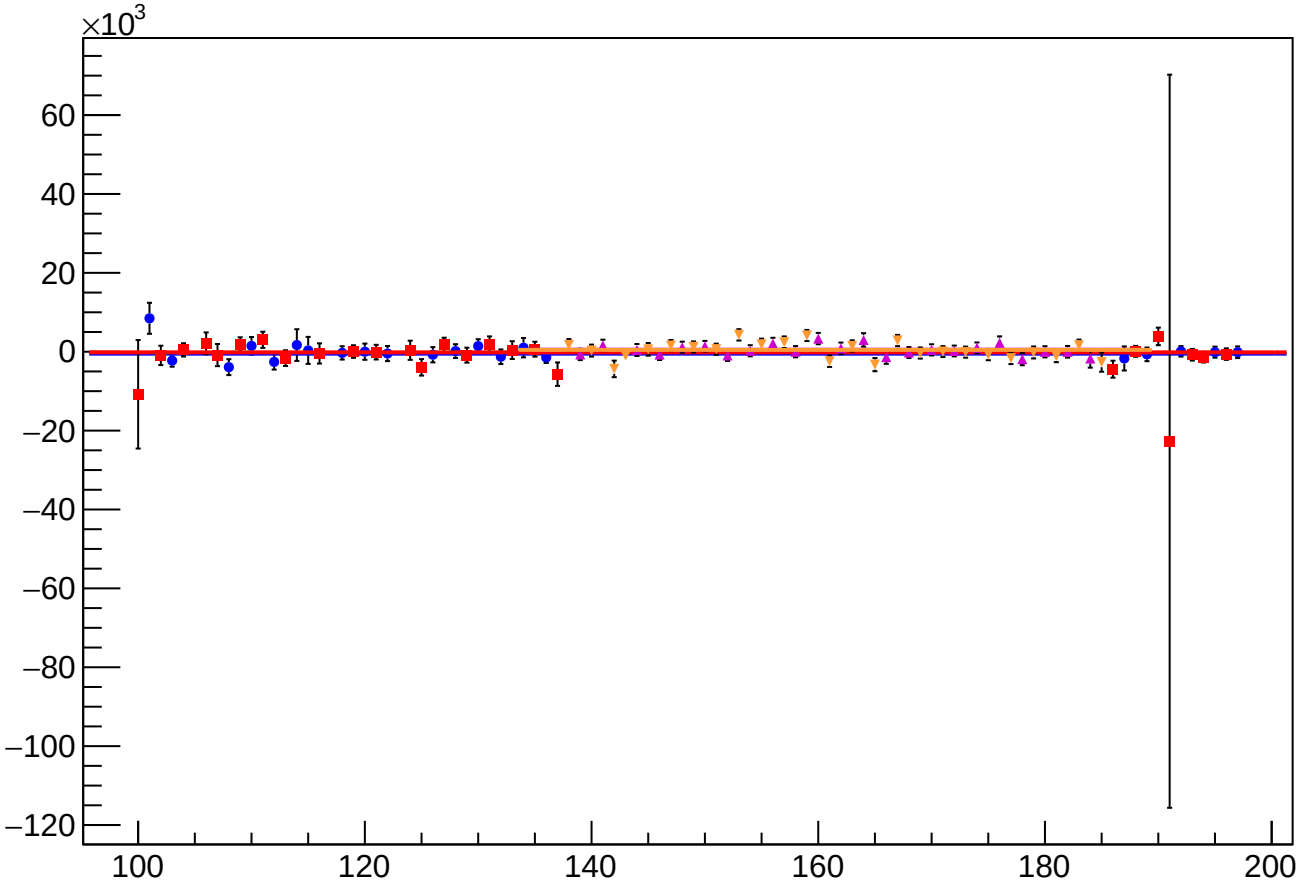
Right Out: 3567.226+/-0.764 χ^2/NDF: 1961452.3/25

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4027.086+/-0.538 χ^2/NDF: 3310845.6/45

All: 4007.815+/-0.378 χ^2/NDF: 7121309.4/94

- sign 3989.009+/-0.531 χ^2/NDF: 3807925.7/48



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -156.858+/-387.636 χ^2/NDF: 23.6/25

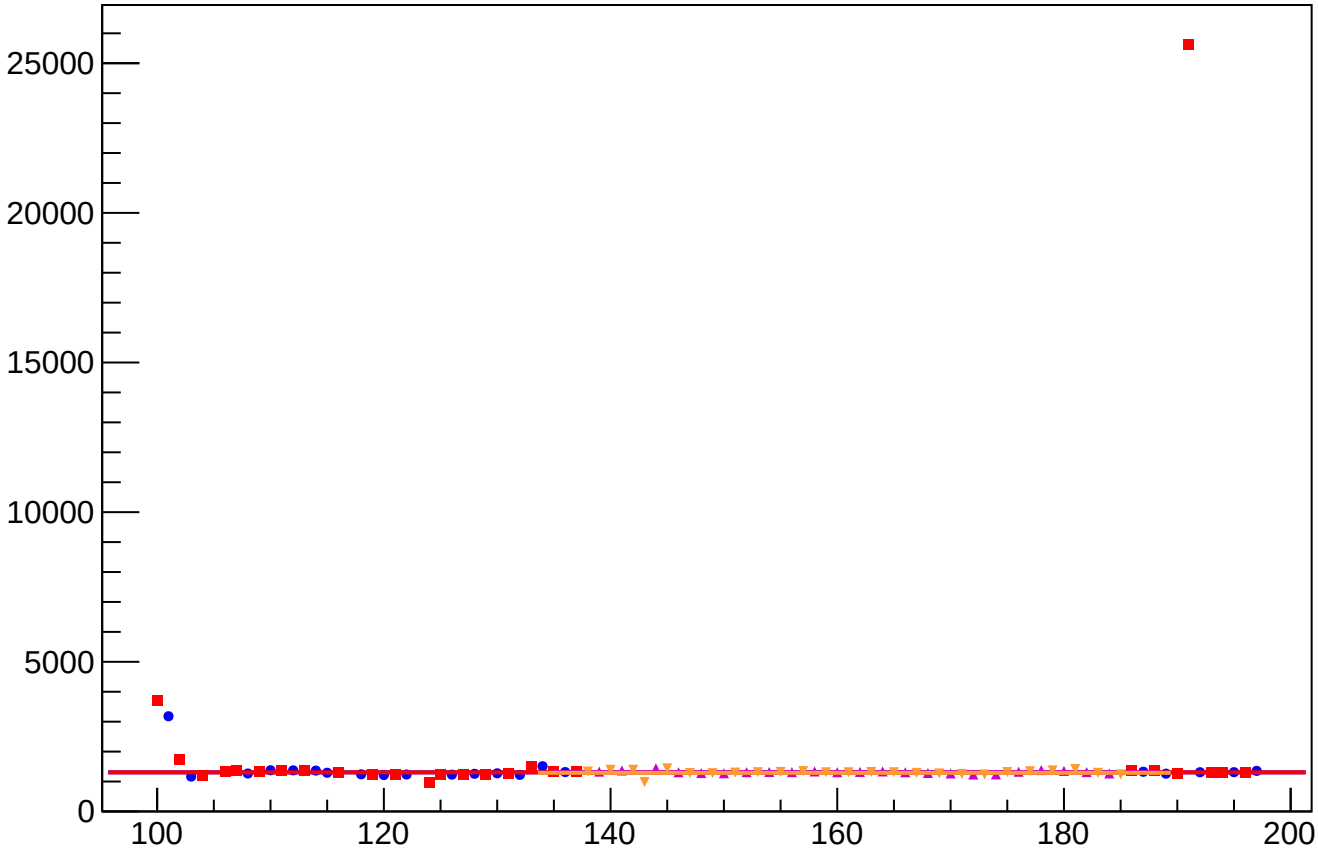
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 139.424+/-238.246 χ^2/NDF: 62.4/45

All: 193.622+/-169.323 χ^2/NDF: 105.3/94

- sign 248.938+/-240.692 χ^2/NDF: 42.8/48

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1307.353+/-0.287 χ^2/NDF: 514222.1/20

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

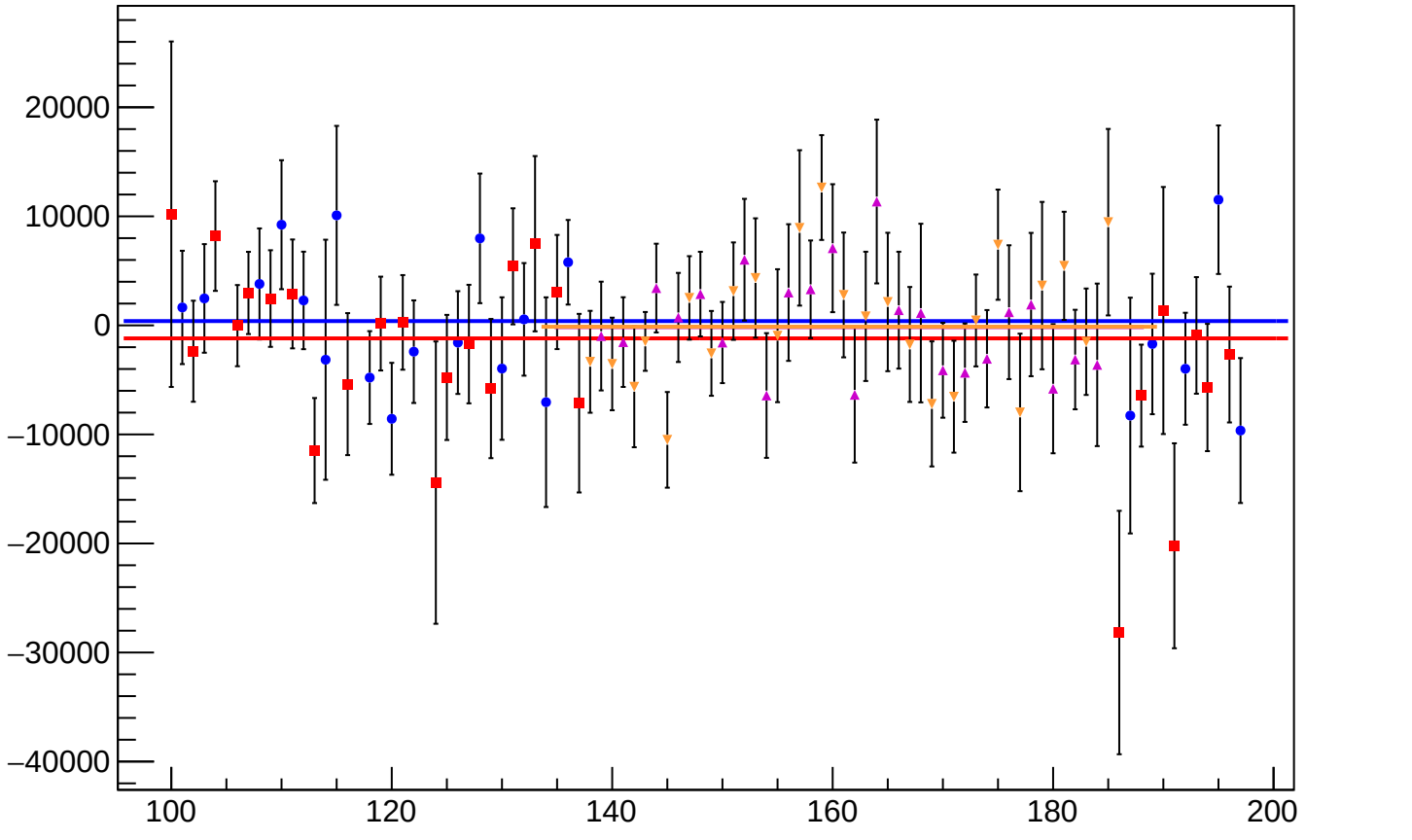
Right Out: 1306.477+/-0.274 χ^2/NDF: 360247.8/25

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.772+/-0.168 χ^2/NDF: 747032.7/45

All: 1303.865+/-0.120 χ^2/NDF: 1154372.8/94

- sign 1311.102+/-0.170 χ^2/NDF: 403758.7/48



Right In: 394.376+/-1210.623 χ^2/NDF: 20.7/20

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

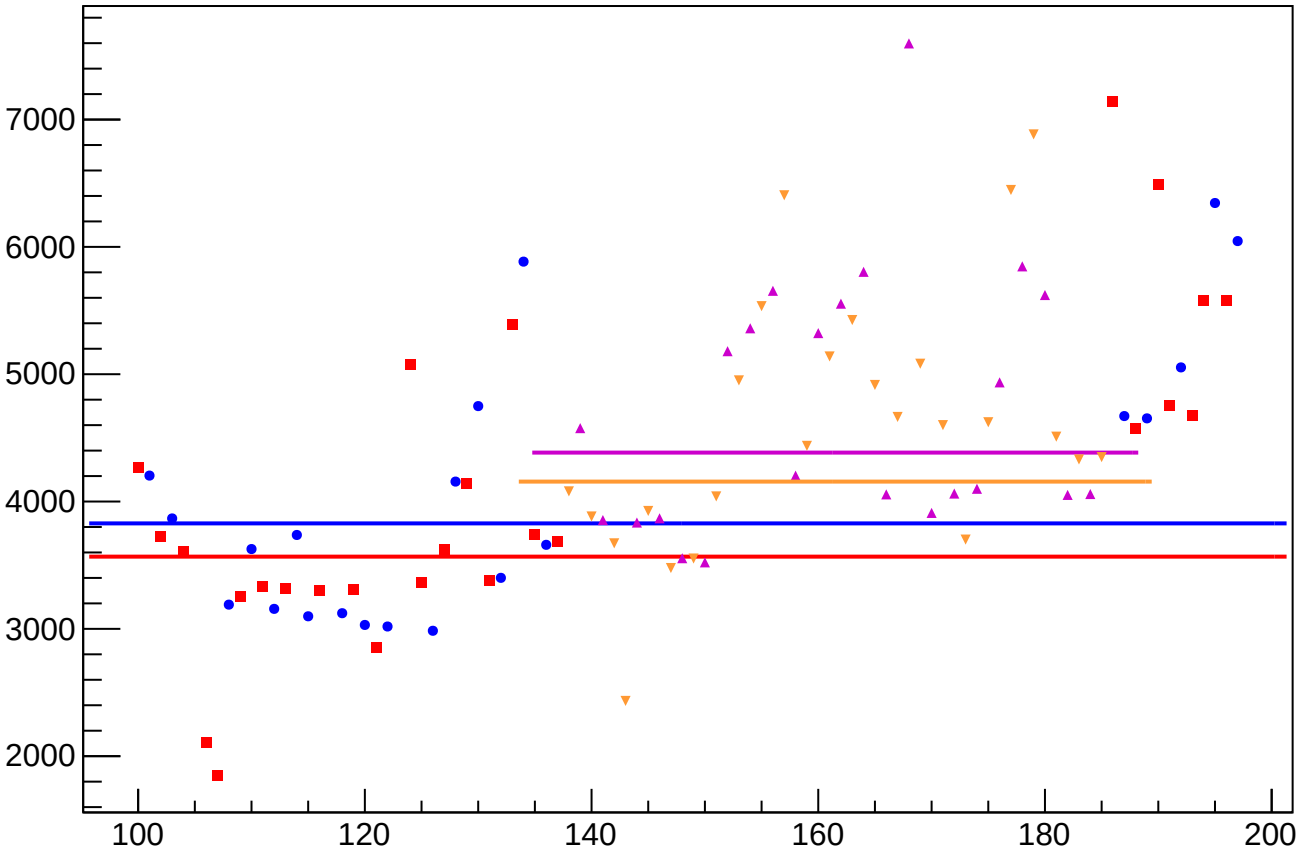
Right Out: -1191.522+/-1079.943 χ^2/NDF: 29.7/25

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

\+ sign 78.532+/-760.407 χ^2/NDF: 49.4/45

All: -294.628+/-534.392 χ^2/NDF: 93.8/94

\- sign -658.773+/-751.166 χ^2/NDF: 43.9/48



Right In: 3828.339+/-0.856 χ^2/NDF: 1141077.9/20

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3567.219+/-0.764 χ^2/NDF: 1961465.1/25

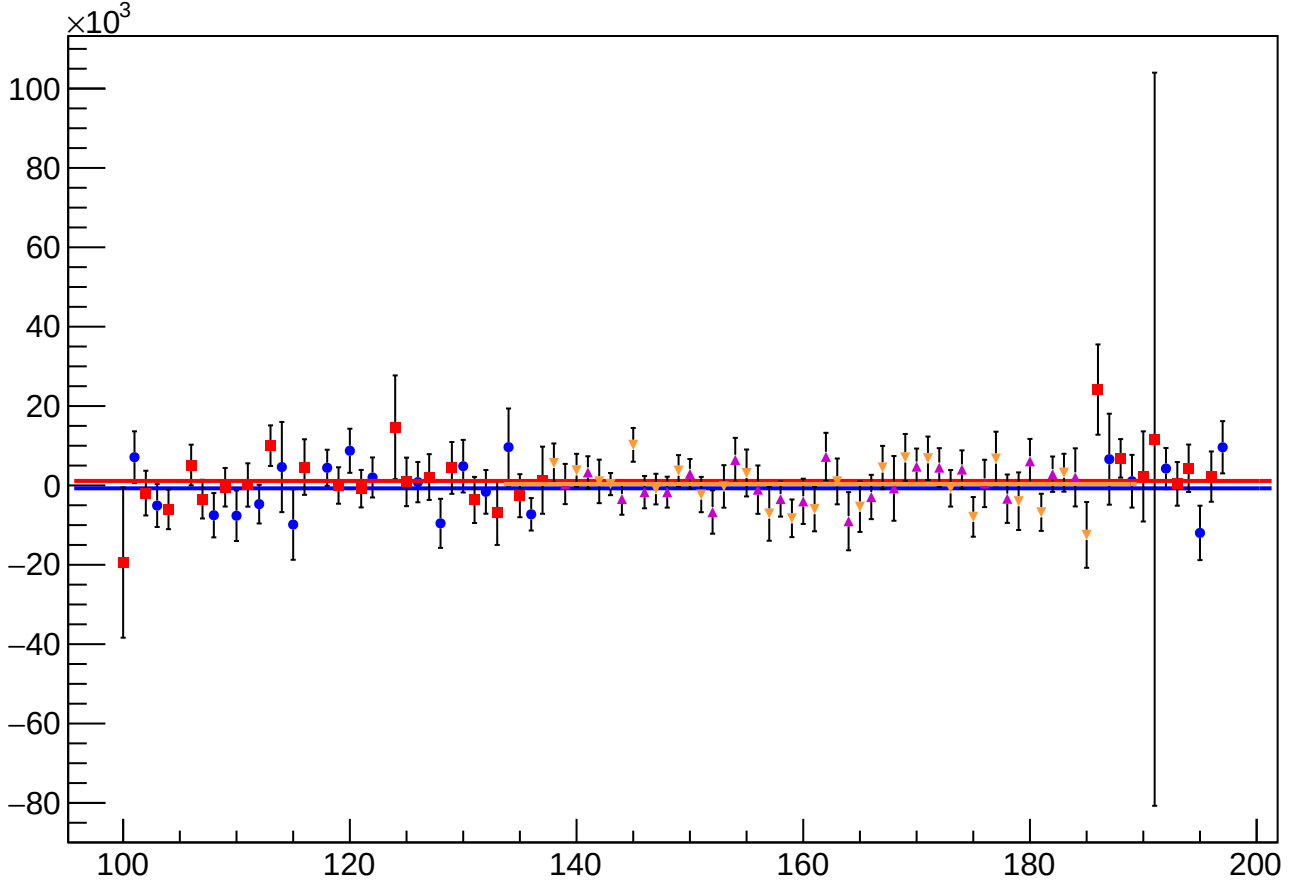
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4027.086+/-0.538 χ^2/NDF: 3310872.4/45

All: 4007.814+/-0.378 χ^2/NDF: 7121373.8/94

- sign 3989.007+/-0.531 χ^2/NDF: 3807963.0/48

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -732.996+/-1291.410 χ^2/NDF: 24.3/20

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1132.375+/-1191.597 χ^2/NDF: 18.0/25

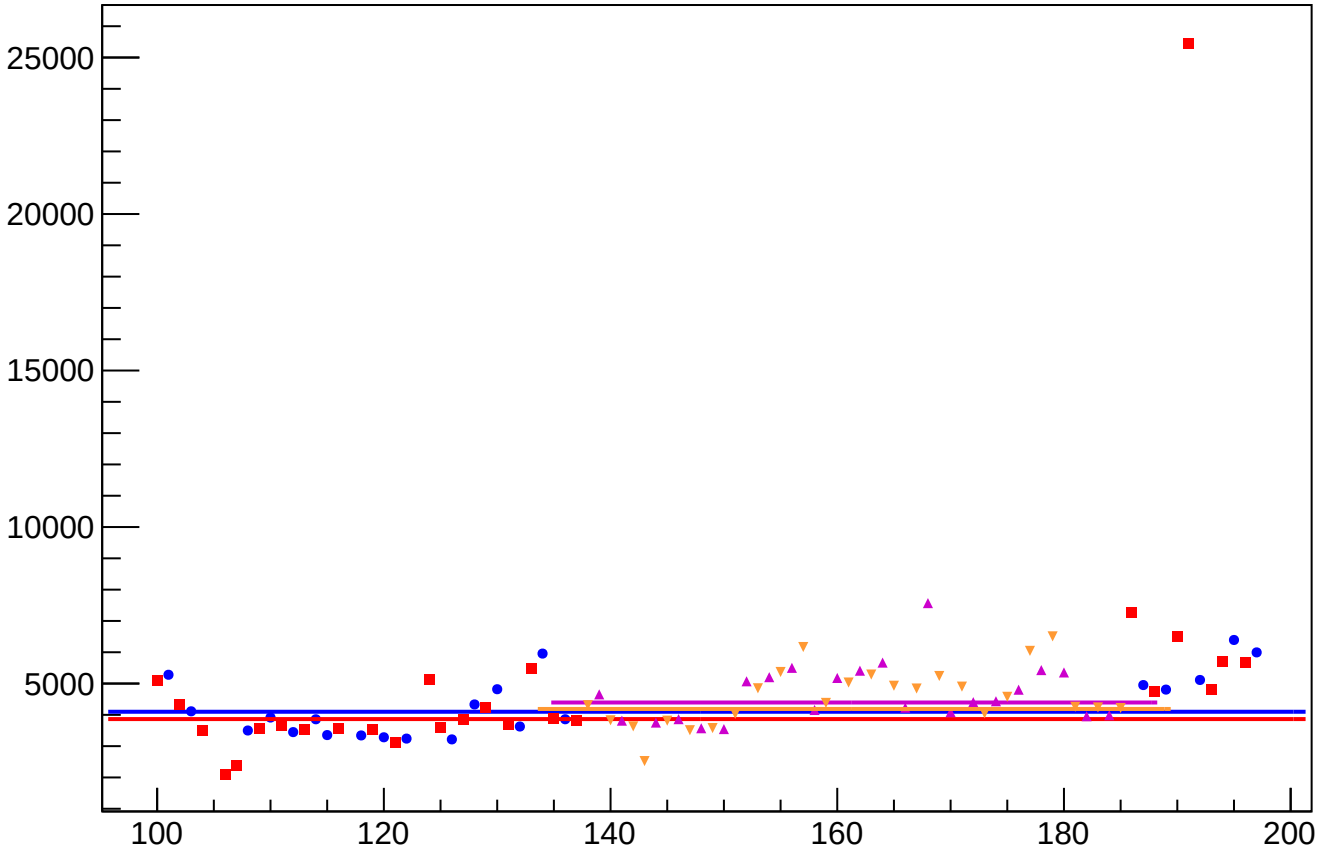
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -37.737+/-780.597 χ^2/NDF: 52.4/45

All: 365.281+/-553.708 χ^2/NDF: 84.9/94

- sign 773.428+/-785.549 χ^2/NDF: 32.0/48

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4098.868+/-0.913 χ^2/NDF: 978815.1/20

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

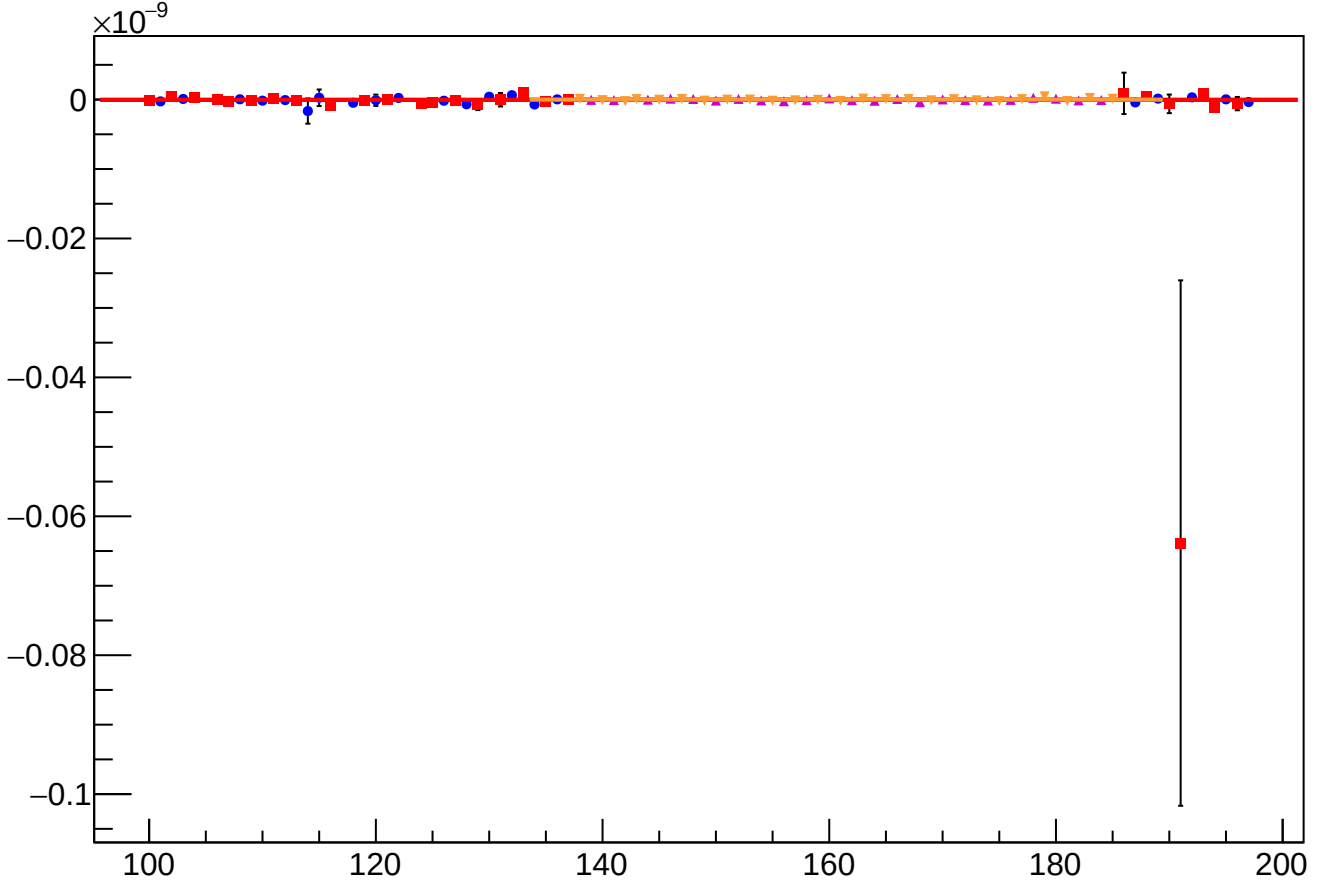
Right Out: 3864.895+/-0.833 χ^2/NDF: 1631239.7/25

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

\+ sign 4155.338+/-0.552 χ^2/NDF: 2781186.7/45

All: 4158.355+/-0.391 χ^2/NDF: 5726874.9/94

\- sign 4161.382+/-0.553 χ^2/NDF: 2945628.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

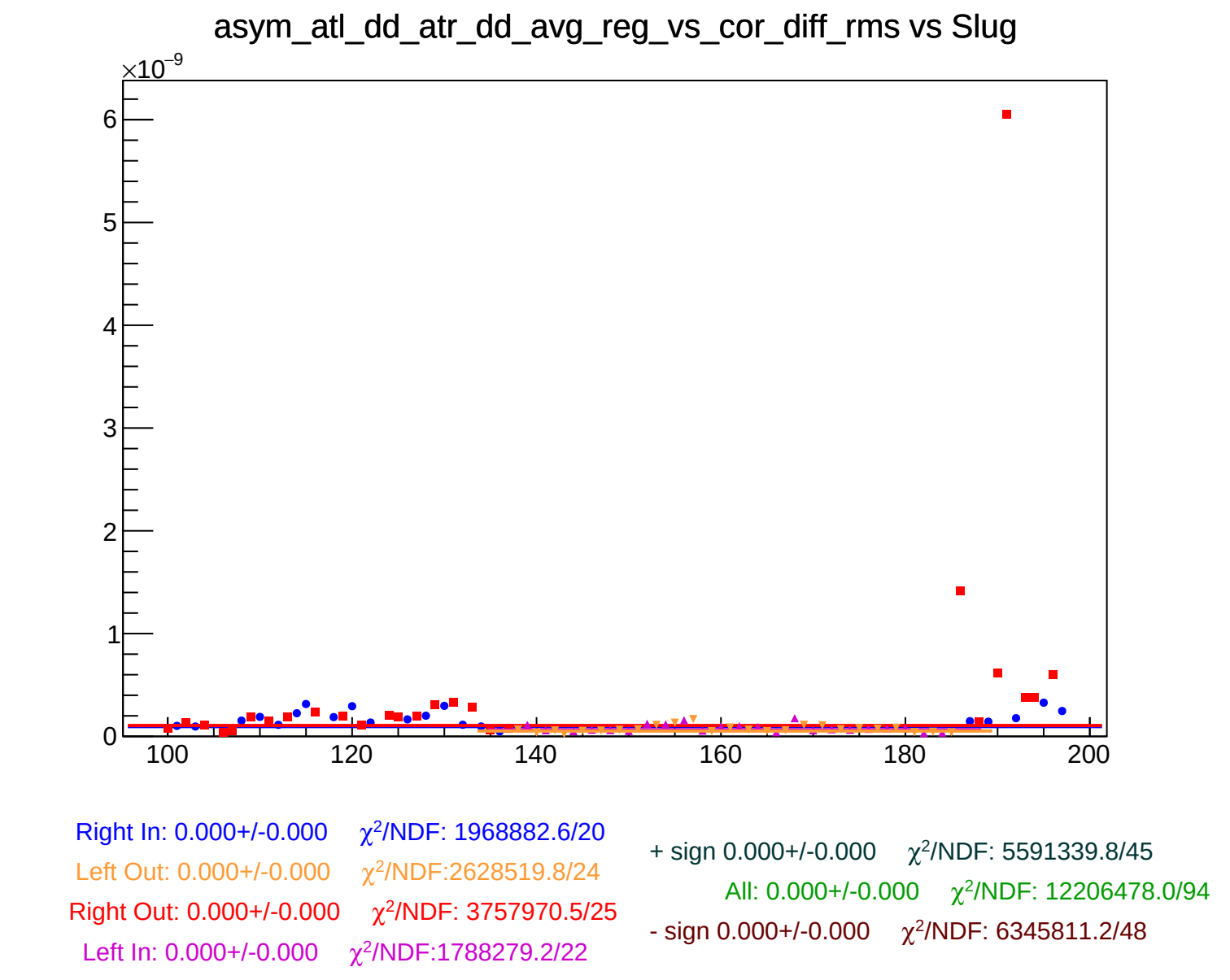
Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/25

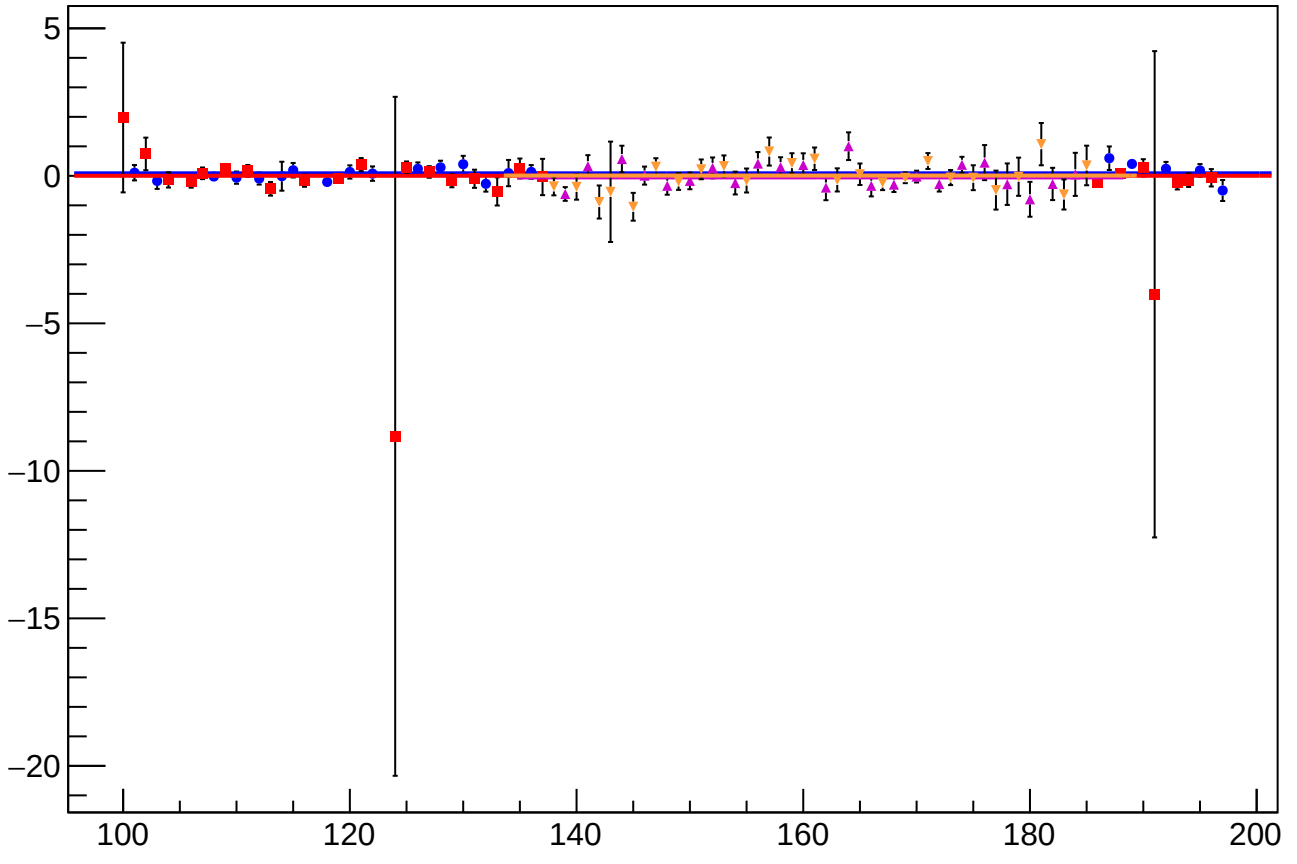
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/45

All: -0.000+/-0.000 χ^2/NDF: 92.5/94

- sign -0.000+/-0.000 χ^2/NDF: 43.2/48


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: 1968882.6/20
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 3757970.5/25
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5591339.8/45
All: 0.000+/-0.000 χ²/NDF: 12206478.0/94
- sign 0.000+/-0.000 χ²/NDF: 6345811.2/48



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

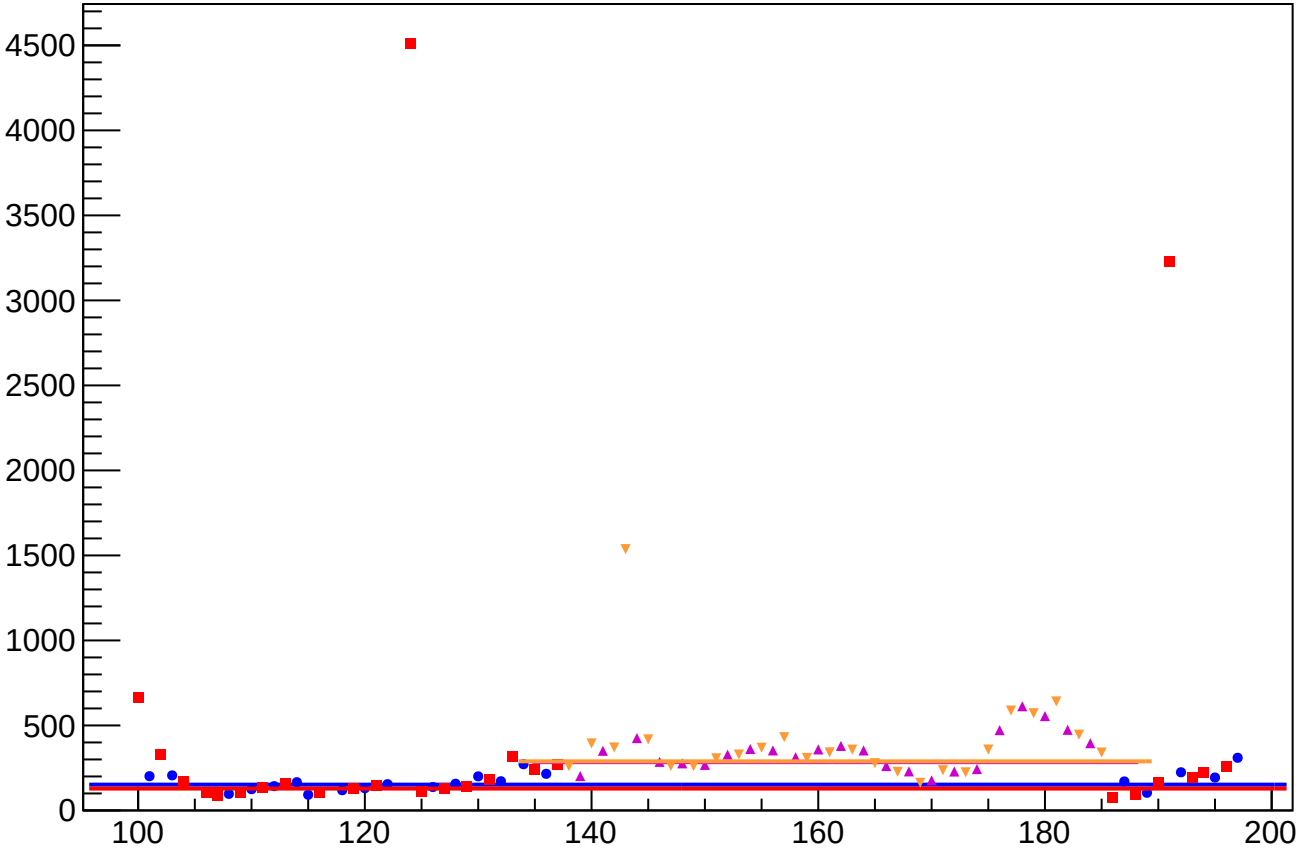
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.019+/-0.027 χ^2/NDF: 107.0/94

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

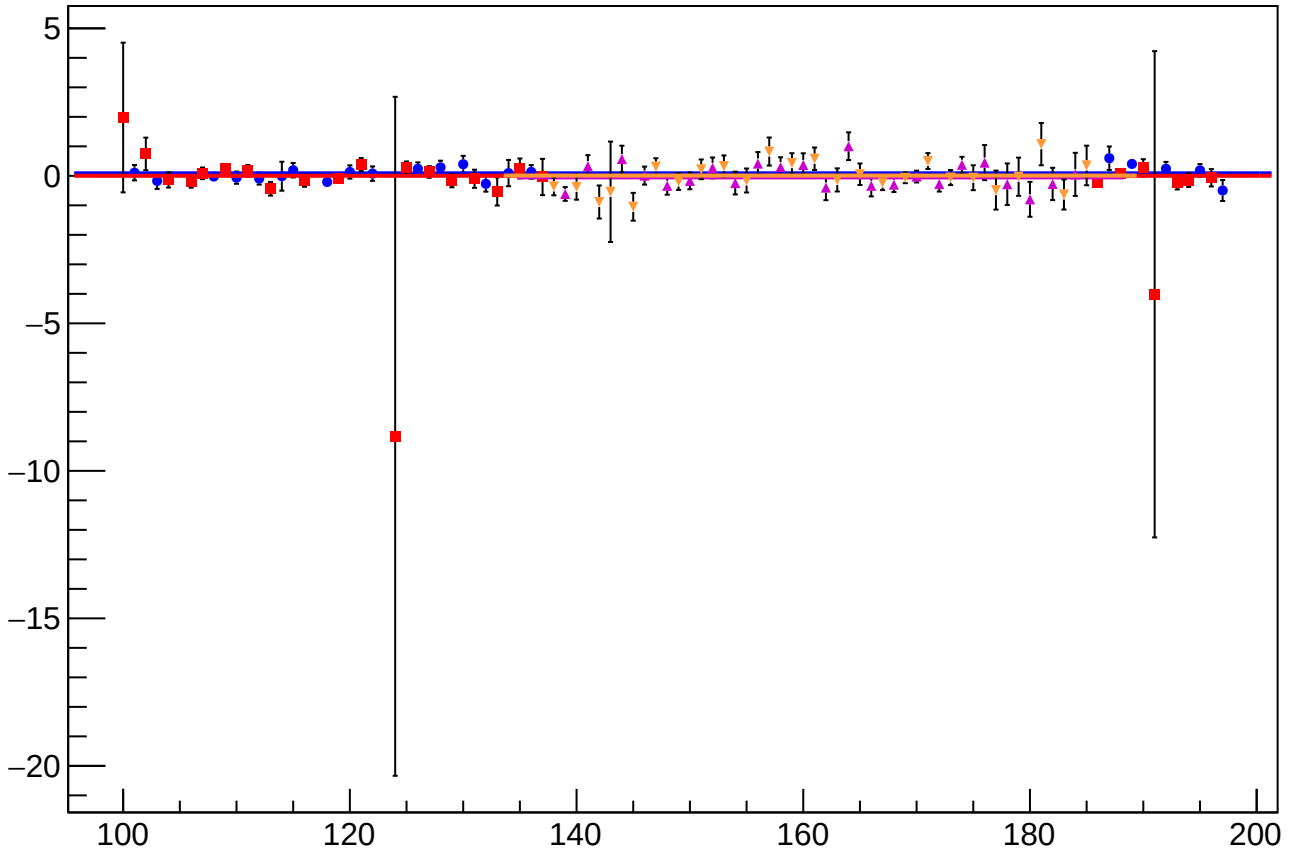
Right Out: 128.630+/-0.030 χ^2/NDF: 3443115.5/25

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.452+/-0.029 χ^2/NDF: 11501878.3/45

All: 181.980+/-0.019 χ^2/NDF: 25705603.6/94

- sign 169.857+/-0.026 χ^2/NDF: 13694488.8/48



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

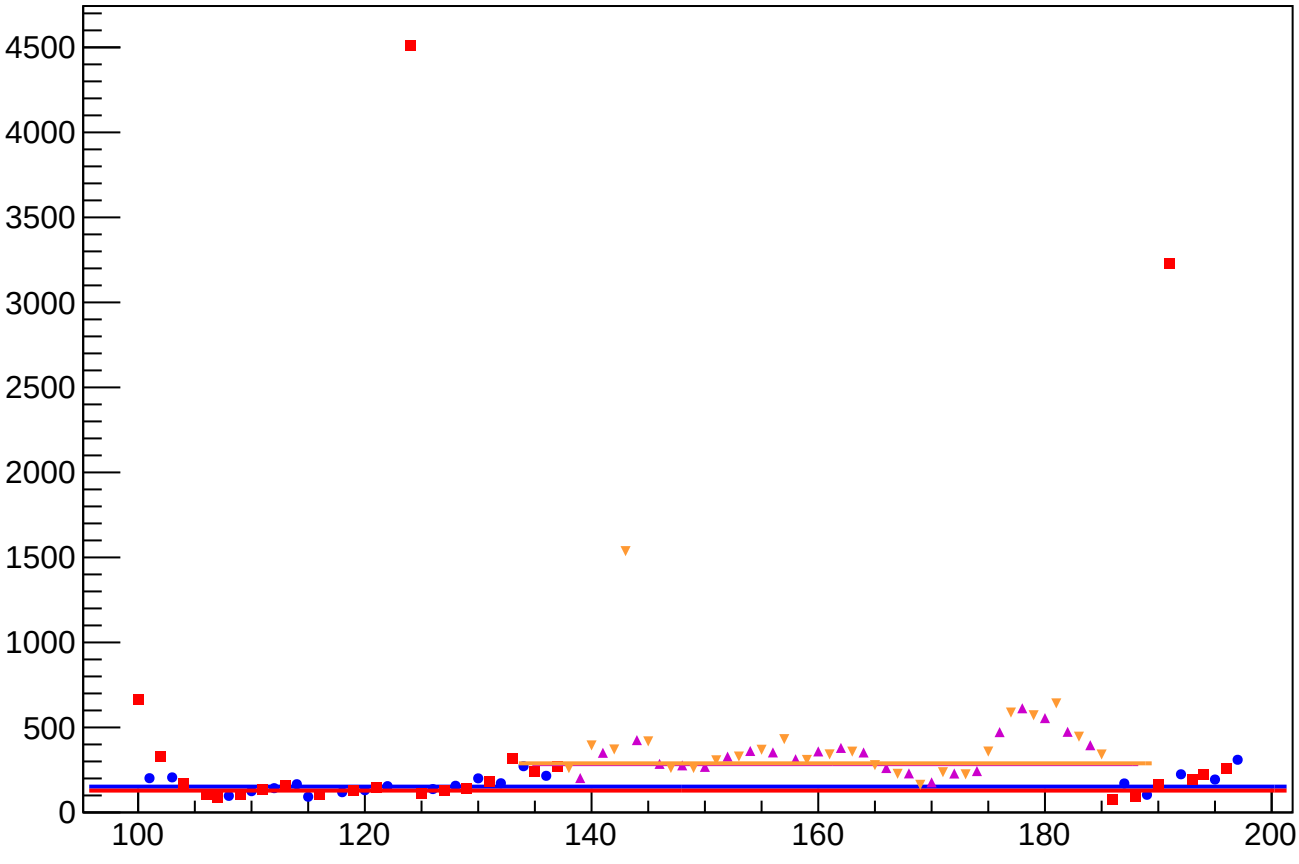
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.019+/-0.027 χ^2/NDF: 107.0/94

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

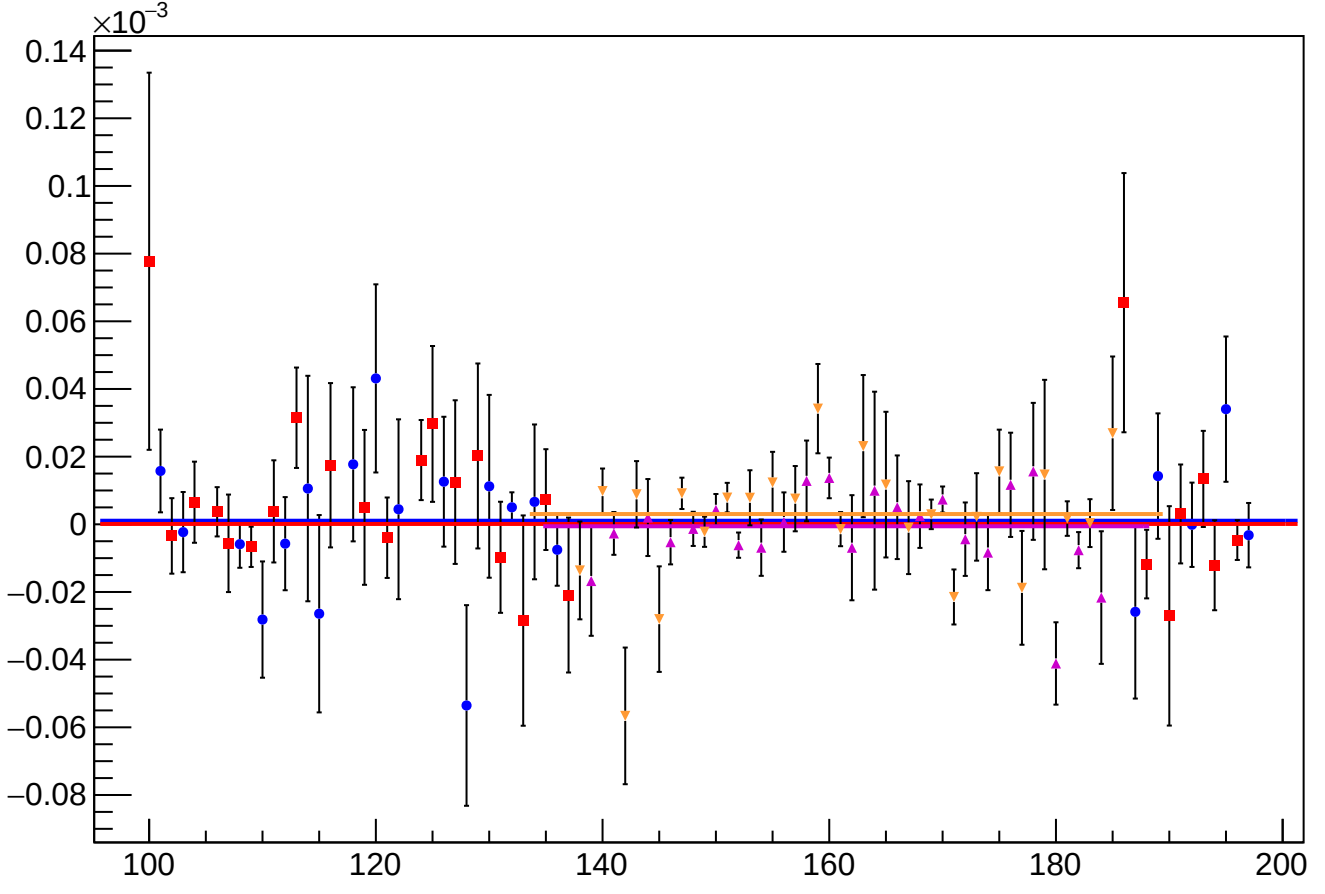
Right Out: 128.630+/-0.030 χ^2/NDF: 3443115.5/25

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.452+/-0.029 χ^2/NDF: 11501878.3/45

All: 181.980+/-0.019 χ^2/NDF: 25705603.6/94

- sign 169.857+/-0.026 χ^2/NDF: 13694488.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

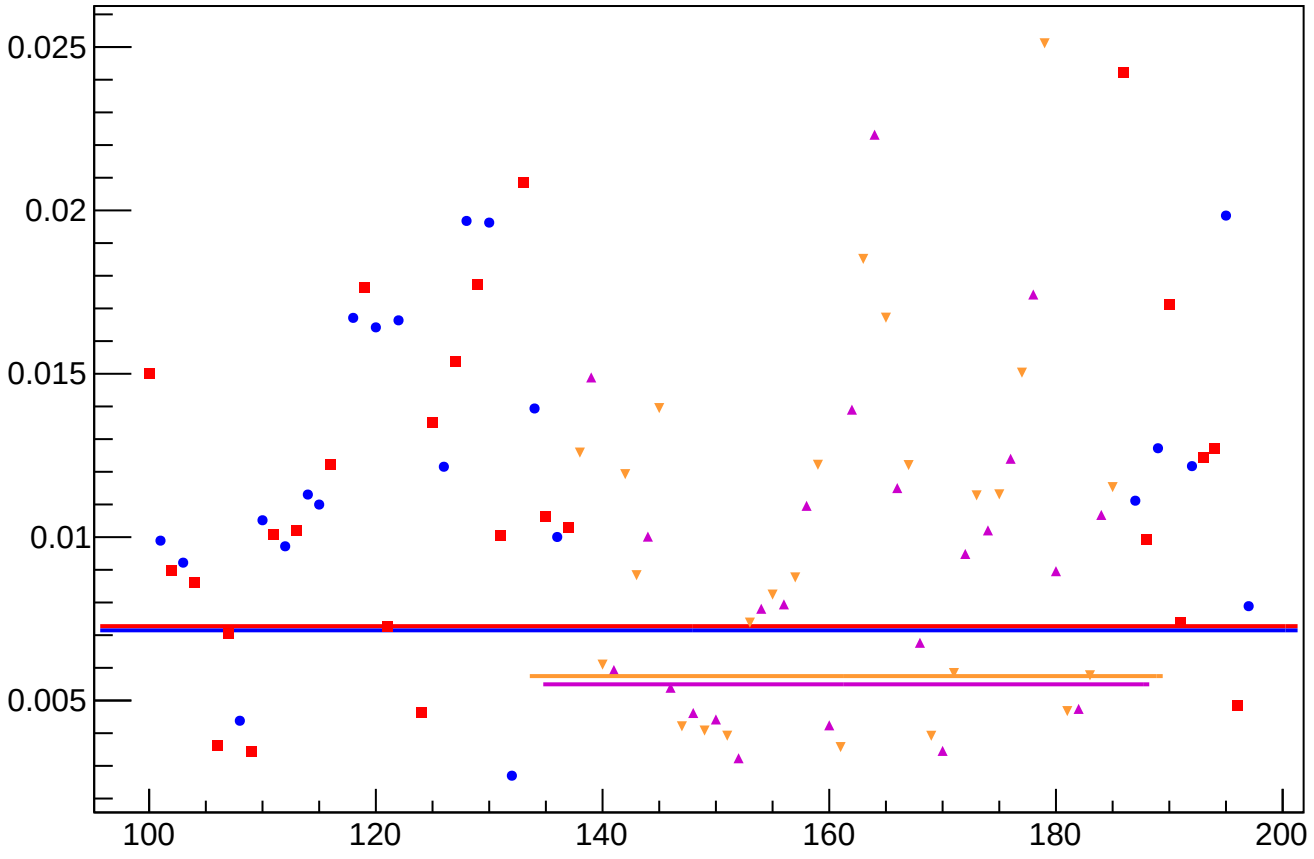
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/25

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/45

All: 0.000+/-0.000 χ^2/NDF: 121.4/94

- sign -0.000+/-0.000 χ^2/NDF: 57.2/48



Right In: 0.007+/-0.000 χ^2/NDF: 6044687.7/20

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

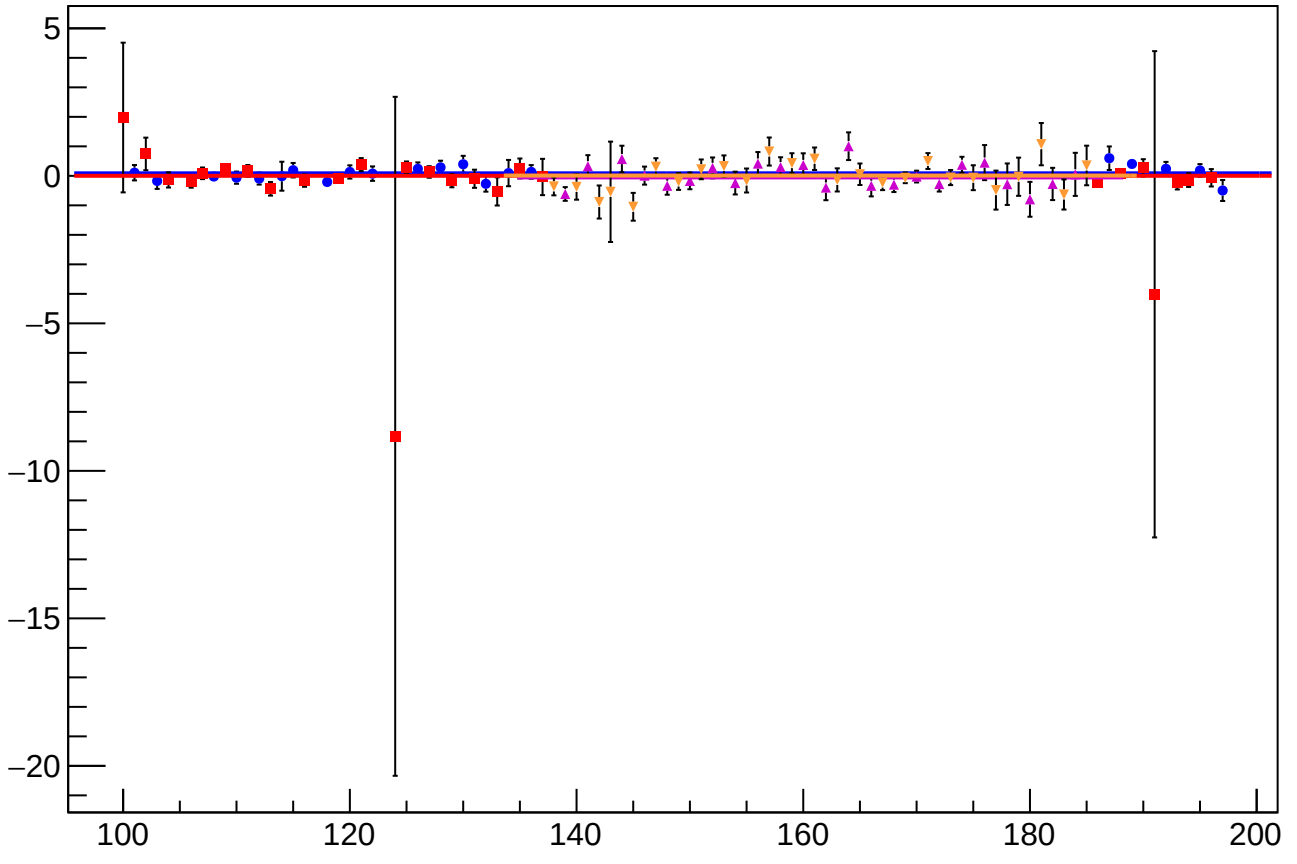
Right Out: 0.007+/-0.000 χ^2/NDF: 5084188.5/25

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14589943.1/45

All: 0.006+/-0.000 χ^2/NDF: 27378549.2/94

\- sign 0.006+/-0.000 χ^2/NDF: 12782127.8/48



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

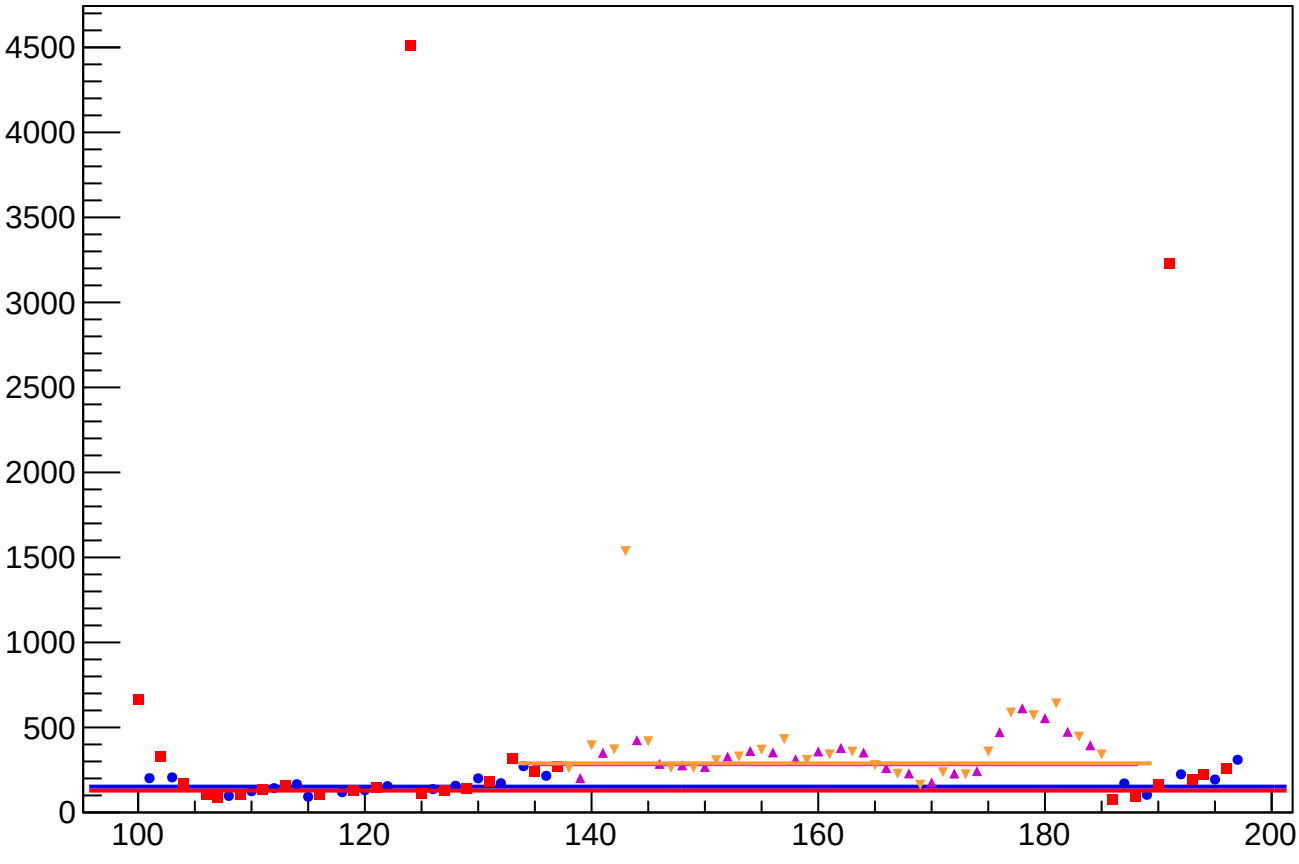
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.019+/-0.027 χ^2/NDF: 107.0/94

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 128.632+/-0.030 χ^2/NDF: 3442949.3/25

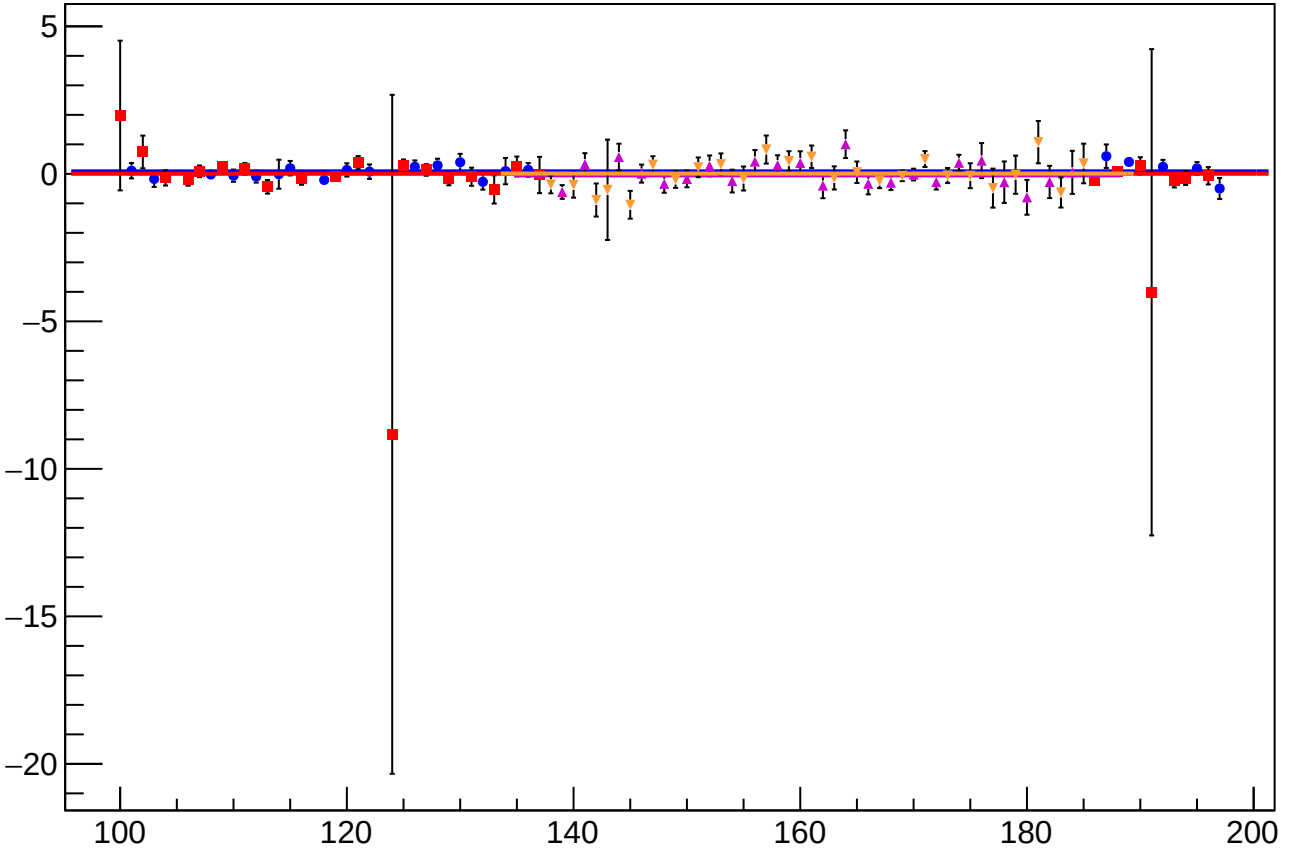
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.451+/-0.029 χ^2/NDF: 11502095.0/45

All: 181.980+/-0.019 χ^2/NDF: 25705535.5/94

- sign 169.859+/-0.026 χ^2/NDF: 13694301.3/48

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

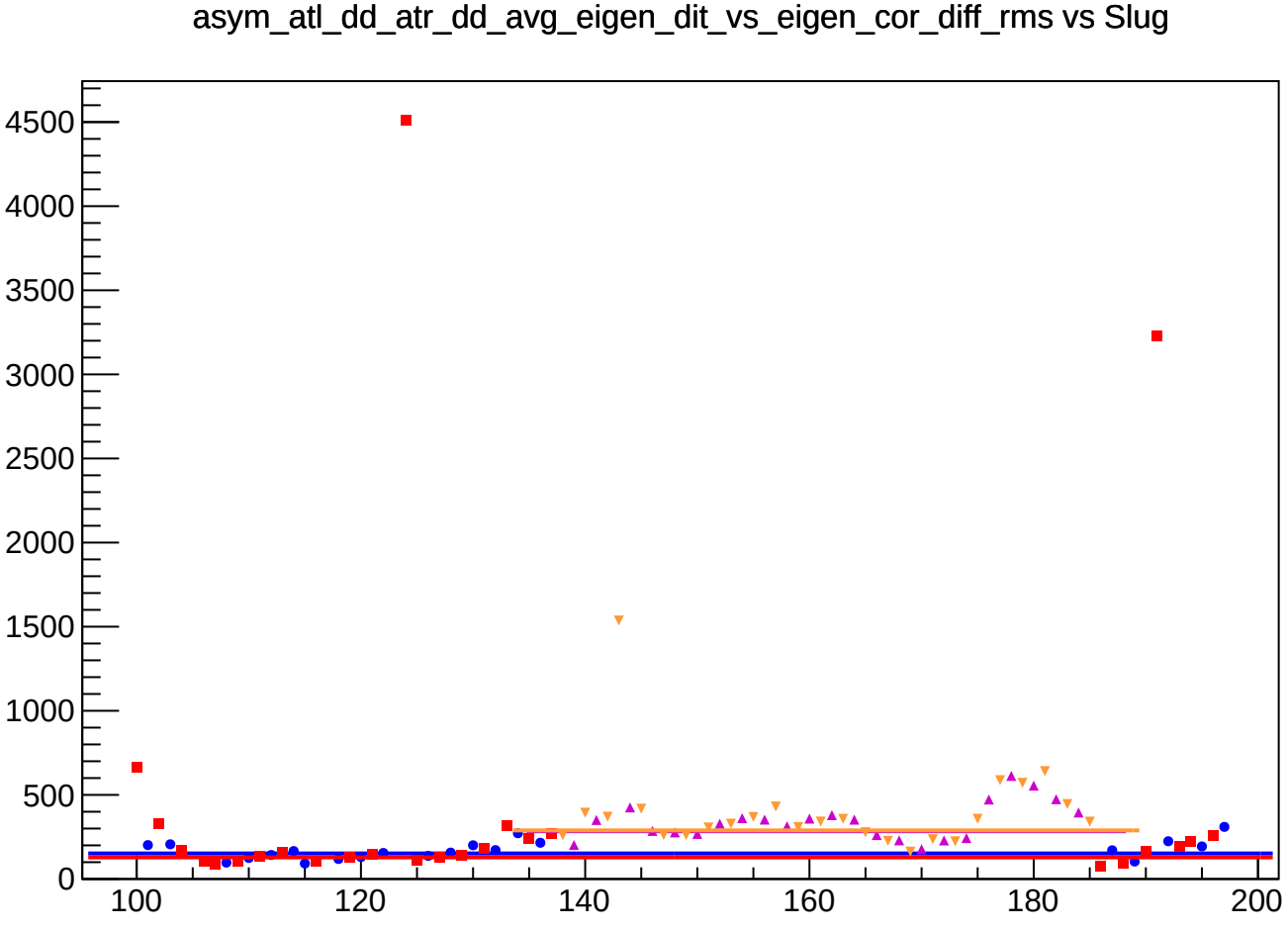
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

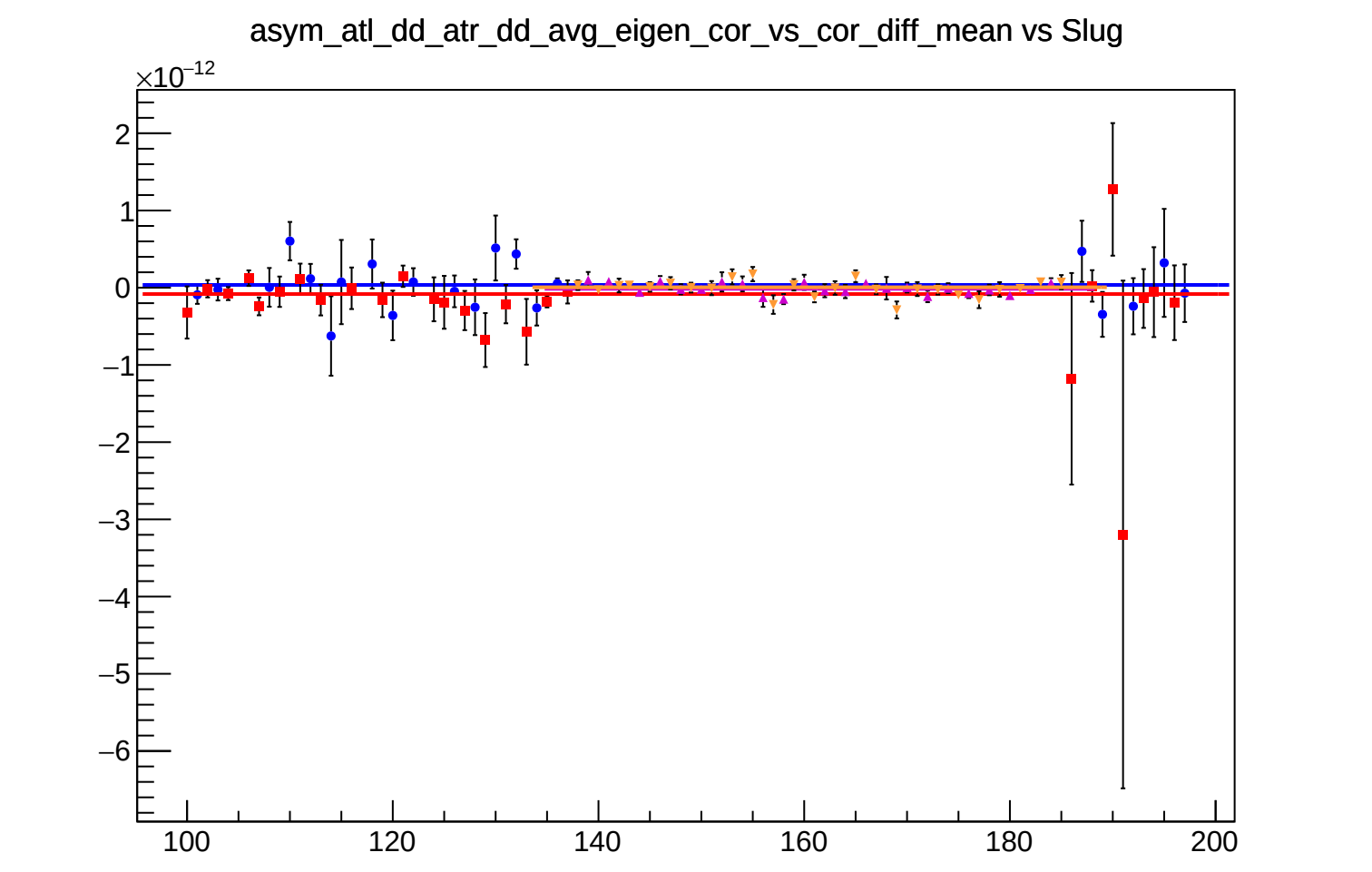
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.019+/-0.027 χ^2/NDF: 107.0/94

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48


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: 151.892+/-0.035 χ²/NDF: 1883398.8/20
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 128.632+/-0.030 χ²/NDF: 3442949.3/25
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 197.451+/-0.029 χ²/NDF: 11502095.0/45
All: 181.980+/-0.019 χ²/NDF: 25705535.5/94
- sign 169.859+/-0.026 χ²/NDF: 13694301.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

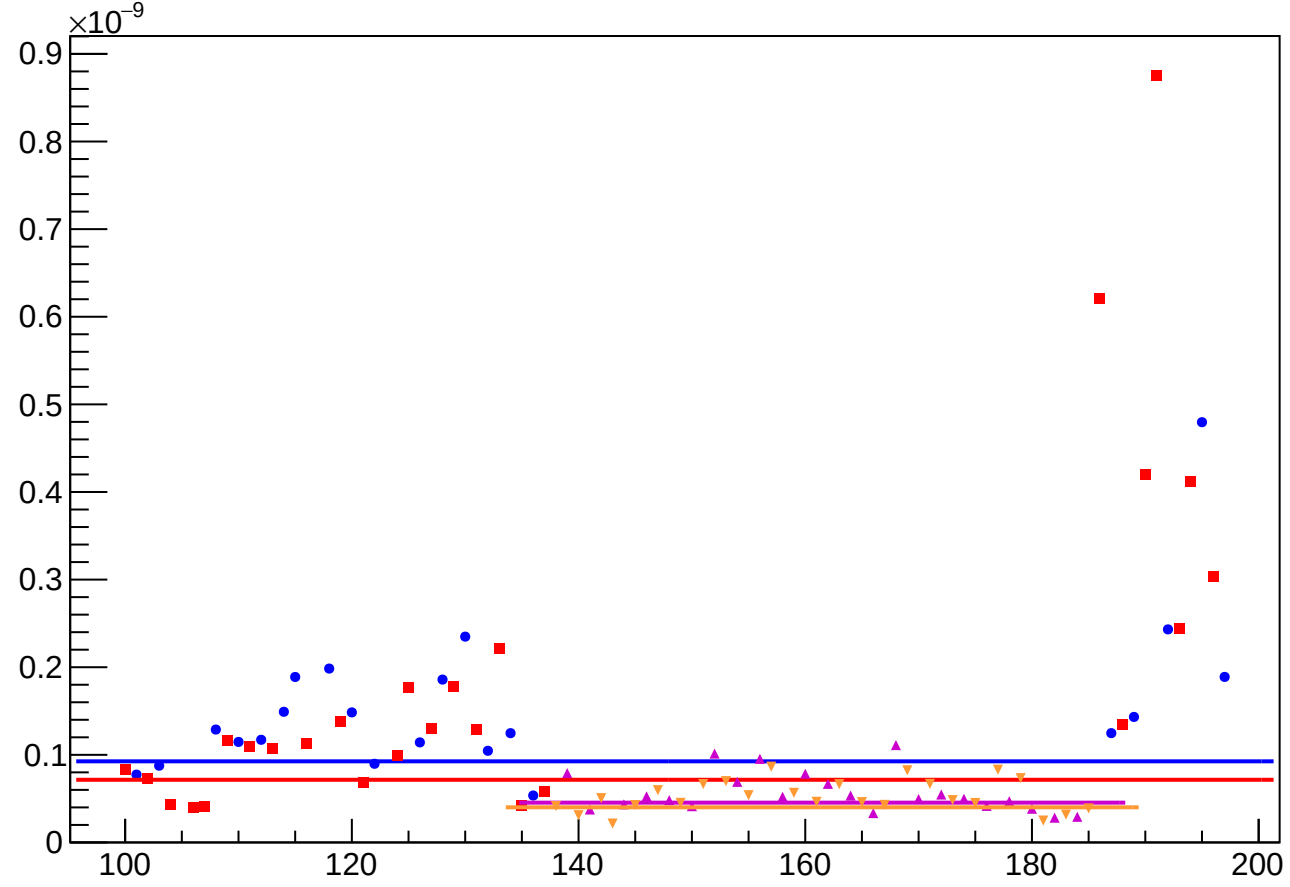
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/25

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.4/45

All: -0.000+/-0.000 χ^2/NDF: 110.2/94

- sign -0.000+/-0.000 χ^2/NDF: 49.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2771415.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4742507.3/25

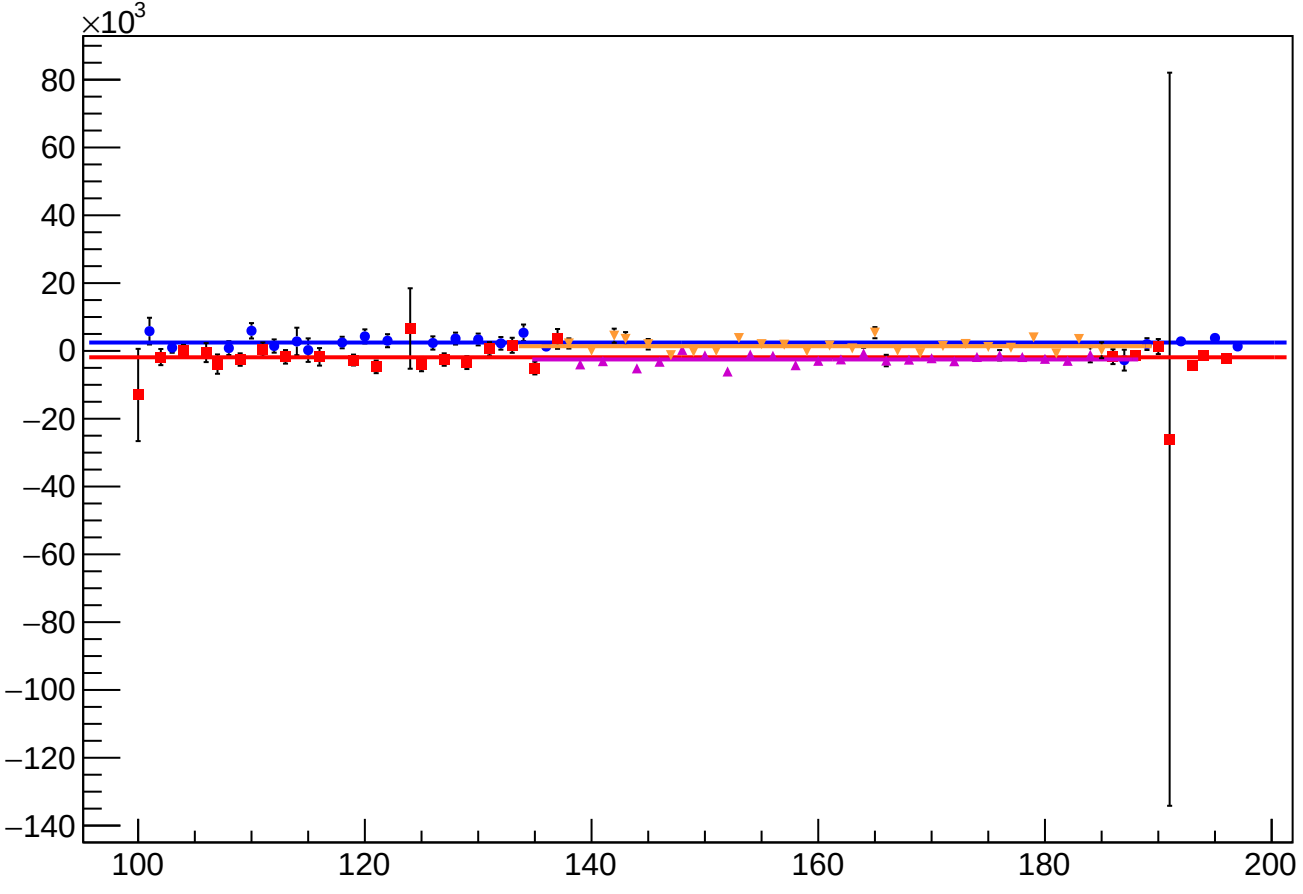
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9331289.6/45

All: 0.000+/-0.000 χ^2/NDF: 18054419.8/94

- sign 0.000+/-0.000 χ^2/NDF: 8567925.5/48

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2473.979+/-405.977 χ^2/NDF: 13.6/20

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1879.166+/-392.473 χ^2/NDF: 24.5/25

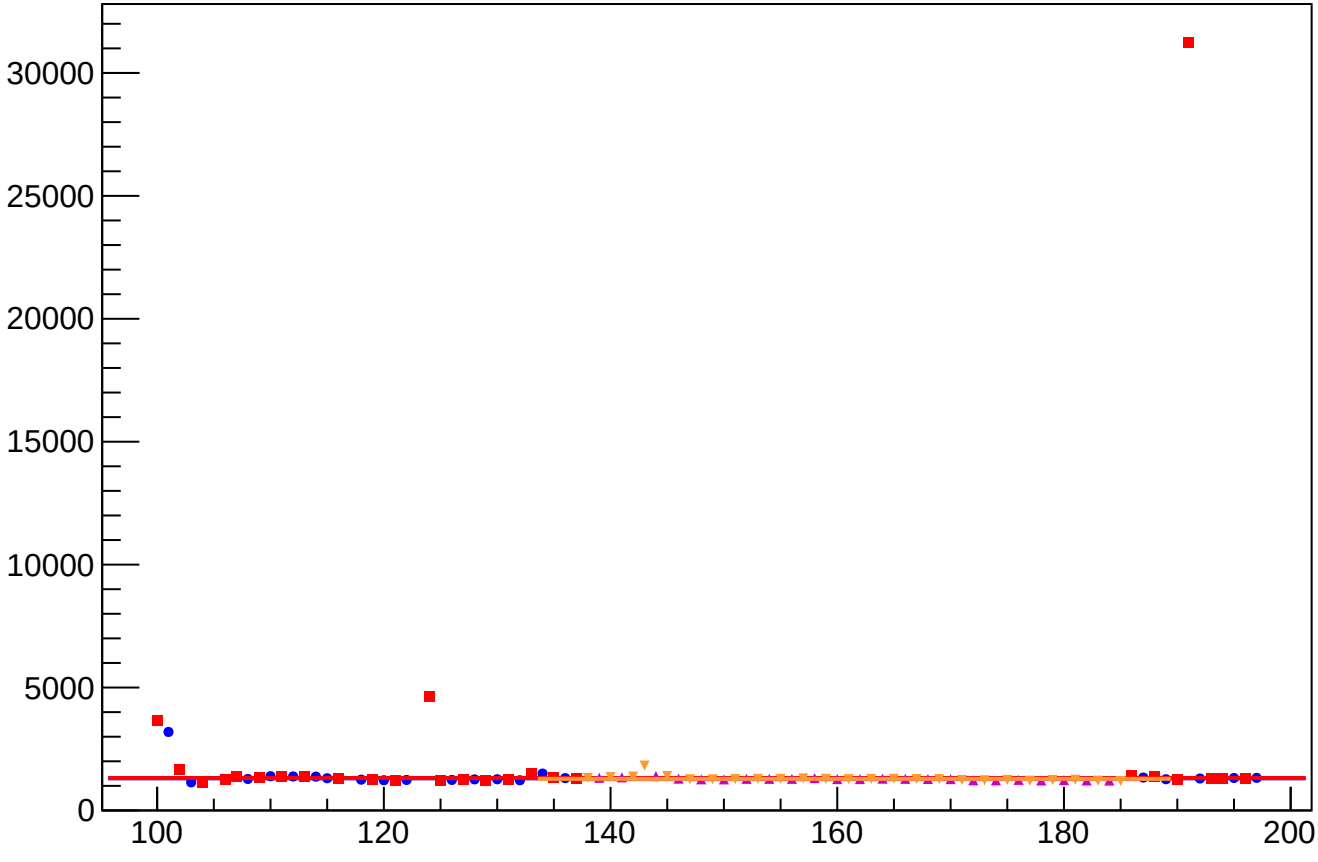
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1756.434+/-237.467 χ^2/NDF: 51.3/45

All: -265.049+/-167.886 χ^2/NDF: 244.9/94

- sign -2285.155+/-237.386 χ^2/NDF: 48.7/48

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.455+/-0.287 χ^2/NDF: 517956.5/20

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

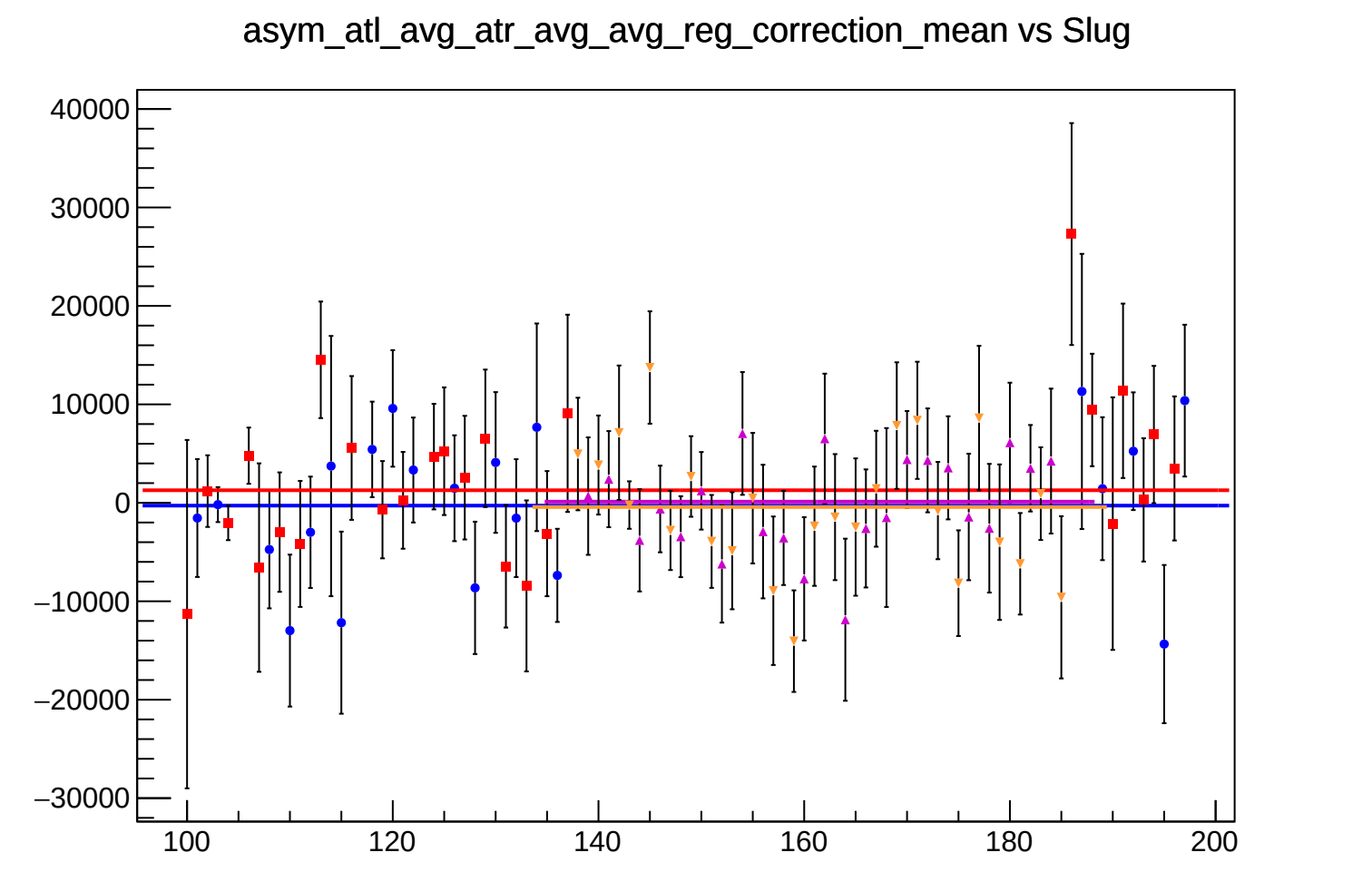
Right Out: 1318.634+/-0.277 χ^2/NDF: 488390.3/25

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.110+/-0.168 χ^2/NDF: 712779.8/45

All: 1292.351+/-0.119 χ^2/NDF: 1257650.4/94

- sign 1291.593+/-0.168 χ^2/NDF: 544829.8/48



Right In: -285.472+/-1127.108 χ^2/NDF: 21.4/20

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

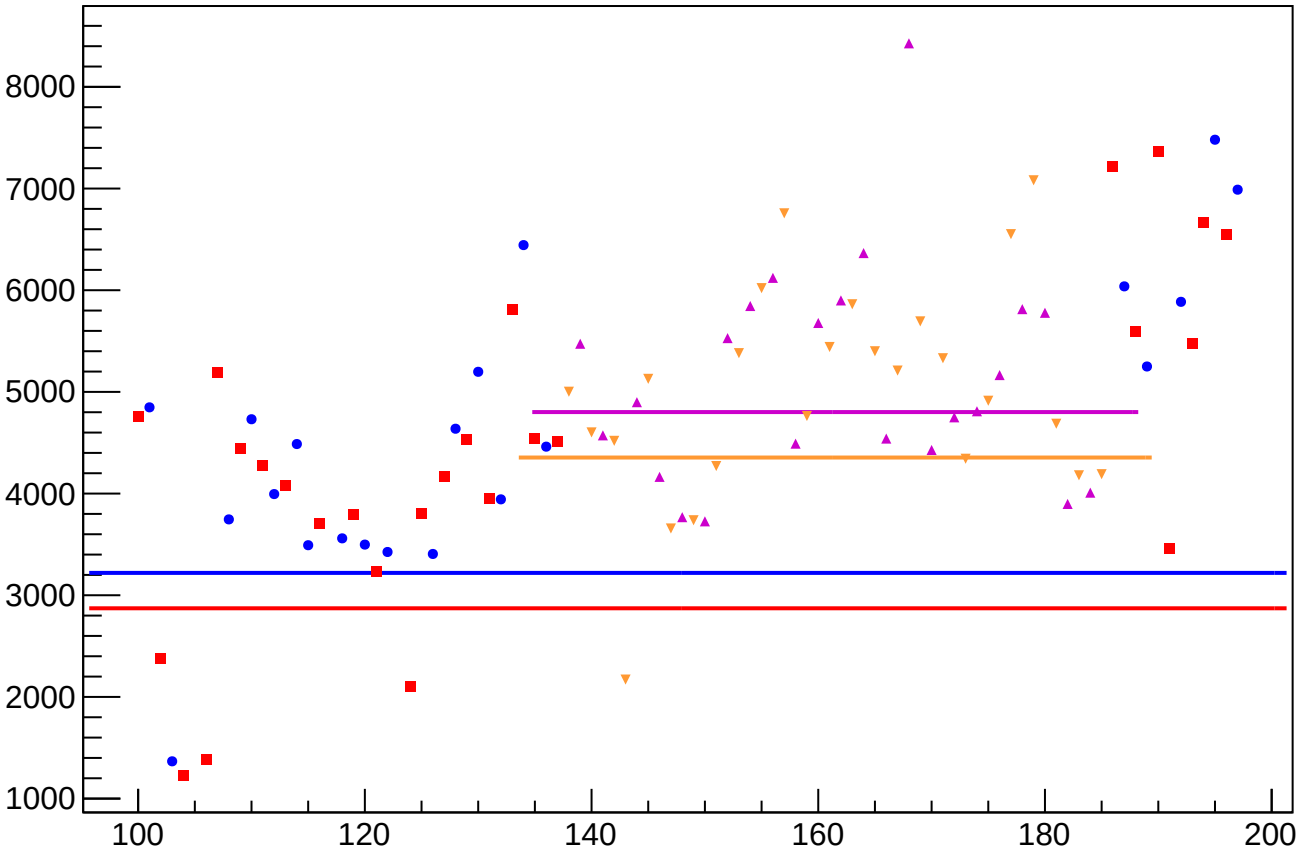
Right Out: 1275.030+/-990.252 χ^2/NDF: 27.8/25

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -362.876+/-763.554 χ^2/NDF: 51.2/45

All: 219.805+/-534.662 χ^2/NDF: 94.3/94

- sign 780.351+/-748.911 χ^2/NDF: 41.9/48



Right In: 3219.897+/-0.797 χ^2/NDF: 4768274.0/20

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2871.696+/-0.700 χ^2/NDF: 6101218.8/25

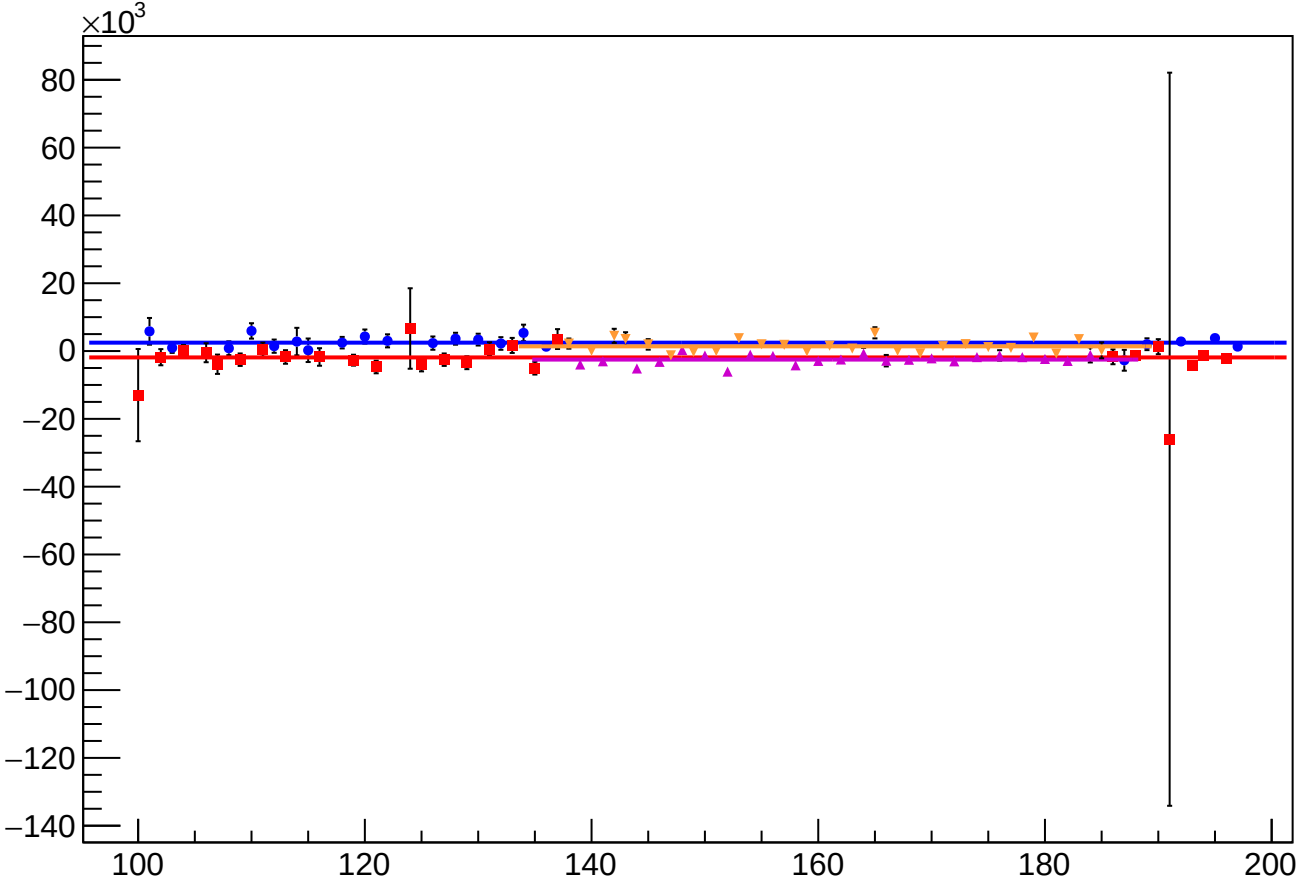
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3833.809+/-0.540 χ^2/NDF: 8936338.9/45

All: 3764.463+/-0.378 χ^2/NDF: 19553268.8/9

- sign 3697.752+/-0.530 χ^2/NDF: 10584563.5/48

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2473.839+/-405.977 χ^2/NDF: 13.6/20

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1878.998+/-392.473 χ^2/NDF: 24.5/25

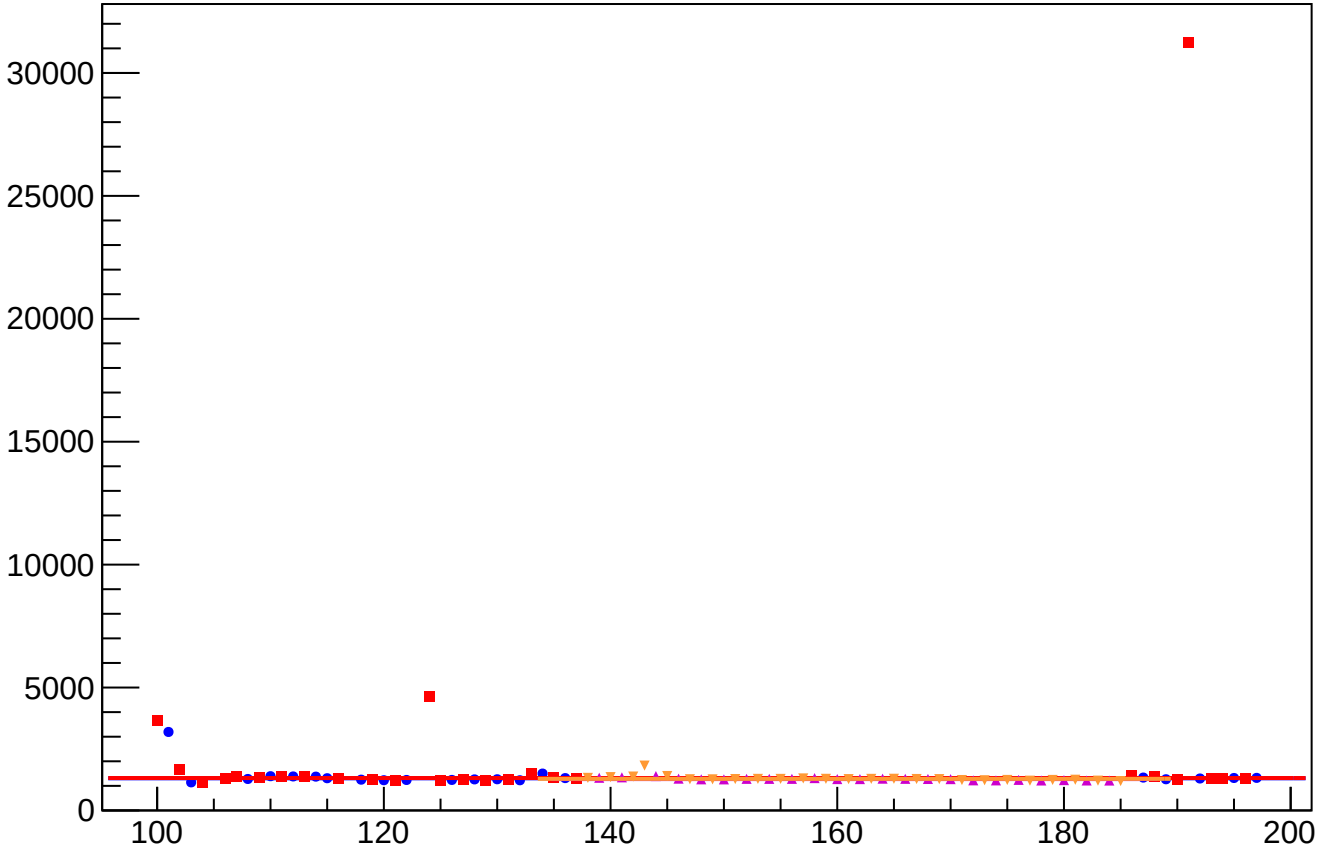
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1756.343+/-237.467 χ^2/NDF: 51.3/45

All: -265.064+/-167.886 χ^2/NDF: 244.8/94

- sign -2285.095+/-237.386 χ^2/NDF: 48.7/48

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.455+/-0.287 χ^2/NDF: 517958.1/20

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

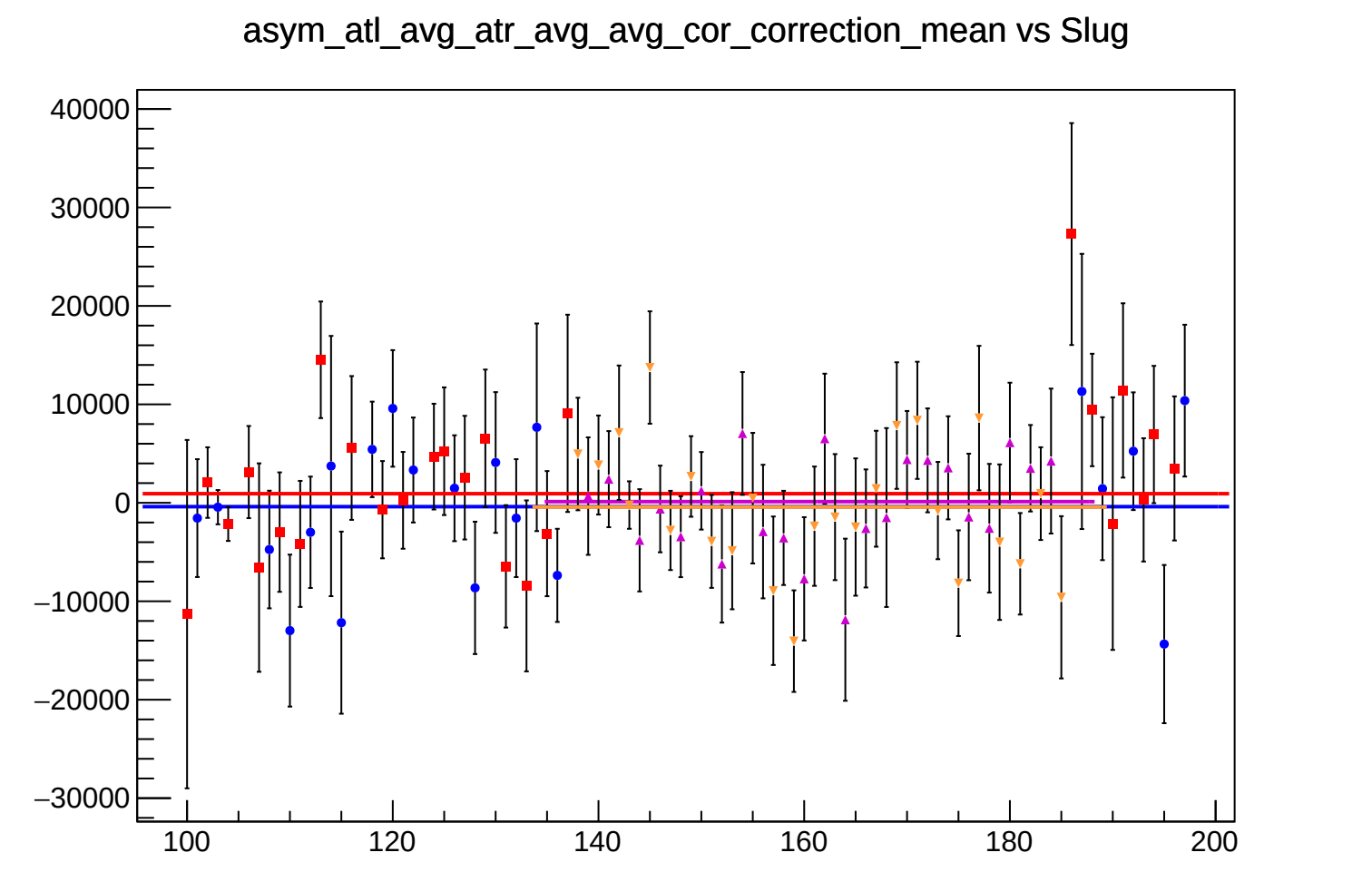
Right Out: 1319.348+/-0.277 χ^2/NDF: 487851.9/25

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.110+/-0.168 χ^2/NDF: 712781.2/45

All: 1292.477+/-0.119 χ^2/NDF: 1257598.8/94

- sign 1291.845+/-0.168 χ^2/NDF: 544789.1/48



Right In: -391.552+/-1118.298 χ^2/NDF: 21.4/20

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

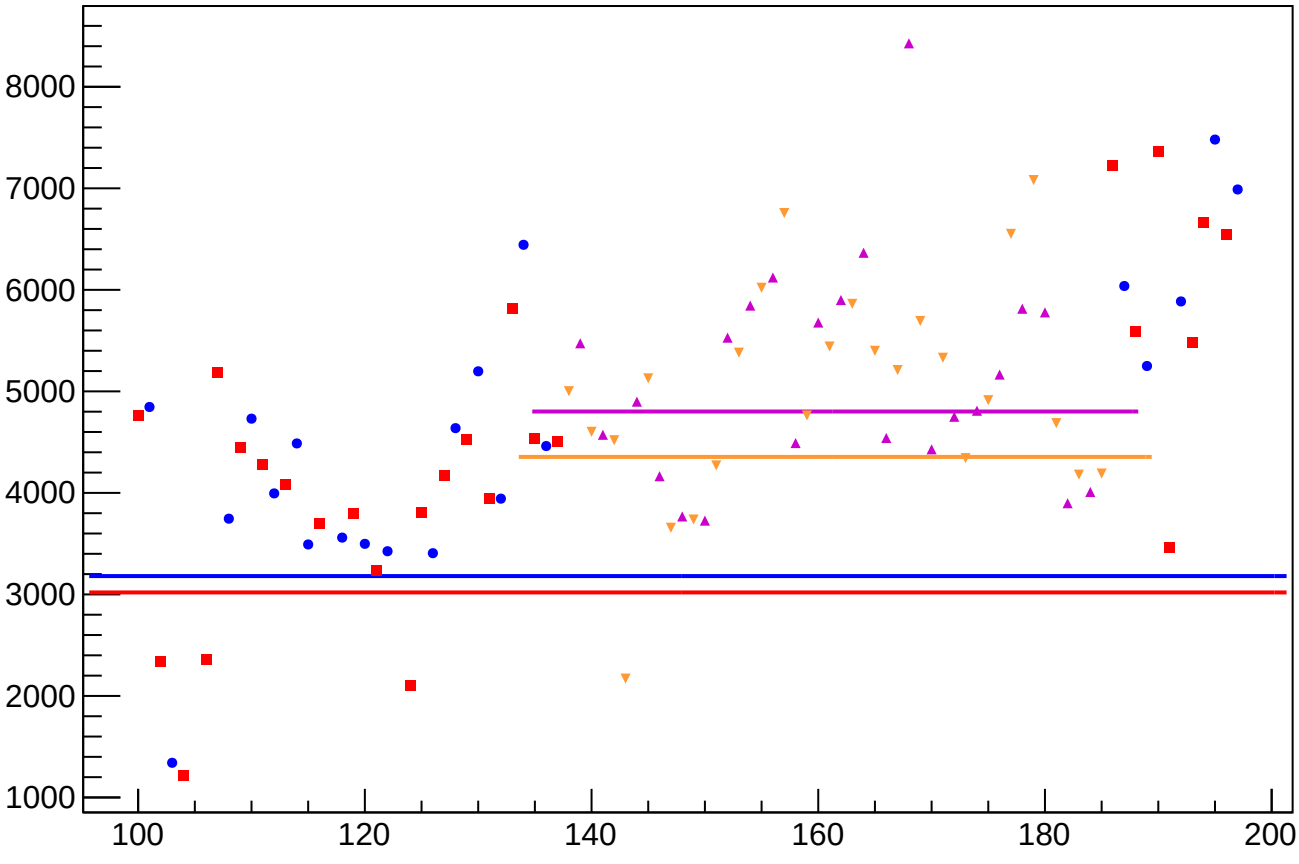
Right Out: 927.189+/-1025.309 χ^2/NDF: 26.6/25

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

\+ sign -411.413+/-760.796 χ^2/NDF: 51.2/45

All: 76.186+/-539.000 χ^2/NDF: 92.5/94

\- sign 567.560+/-763.735 χ^2/NDF: 40.5/48



Right In: 3180.647+/-0.791 χ^2/NDF: 4913142.3/20

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

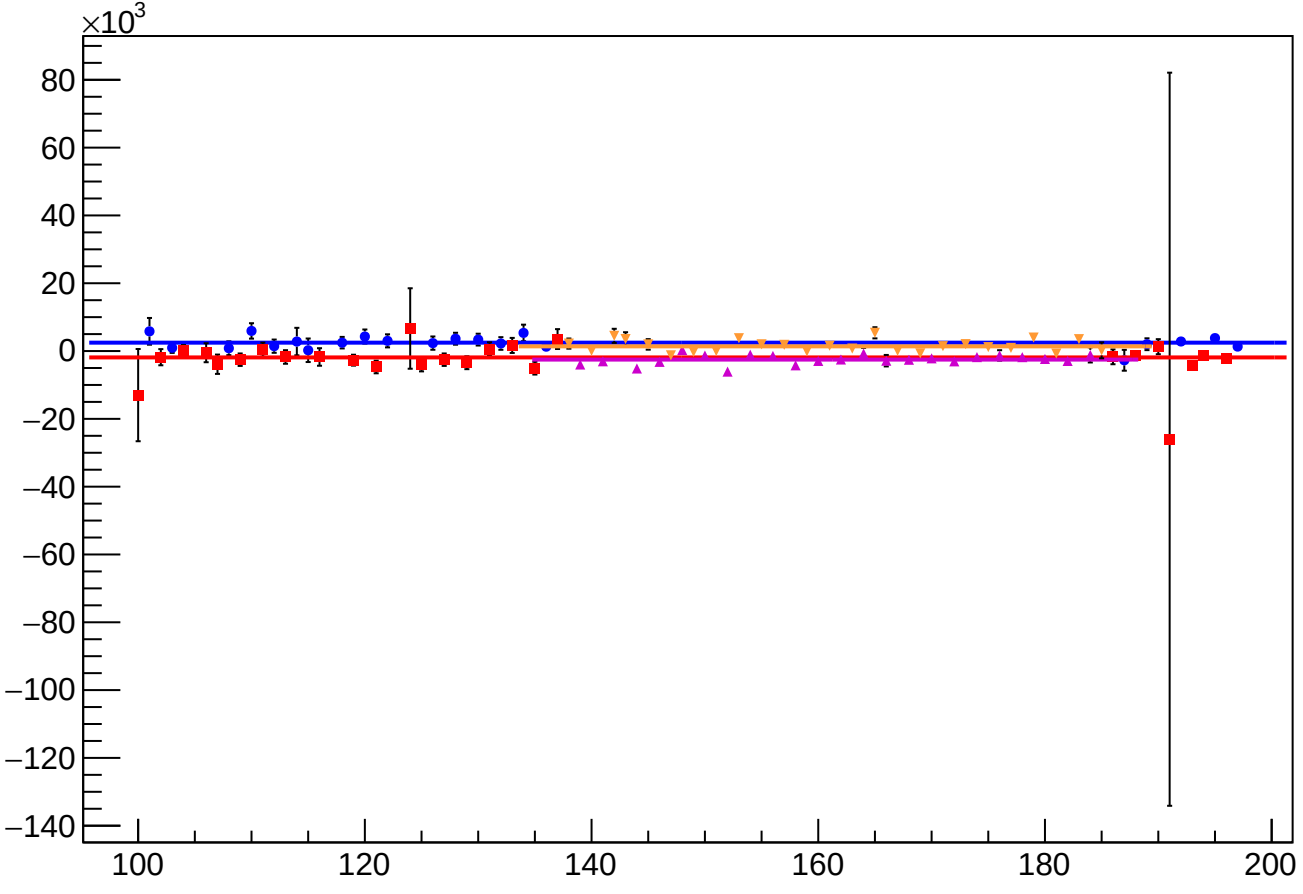
Right Out: 3019.489+/-0.725 χ^2/NDF: 5608773.4/25

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

\+ sign 3811.212+/-0.538 χ^2/NDF: 9168427.5/45

All: 3811.993+/-0.381 χ^2/NDF: 18698661.7/9

\- sign 3812.781+/-0.540 χ^2/NDF: 9530230.0/48



Right In: 2473.839+/-405.977 χ^2/NDF: 13.6/20

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1878.998+/-392.473 χ^2/NDF: 24.5/25

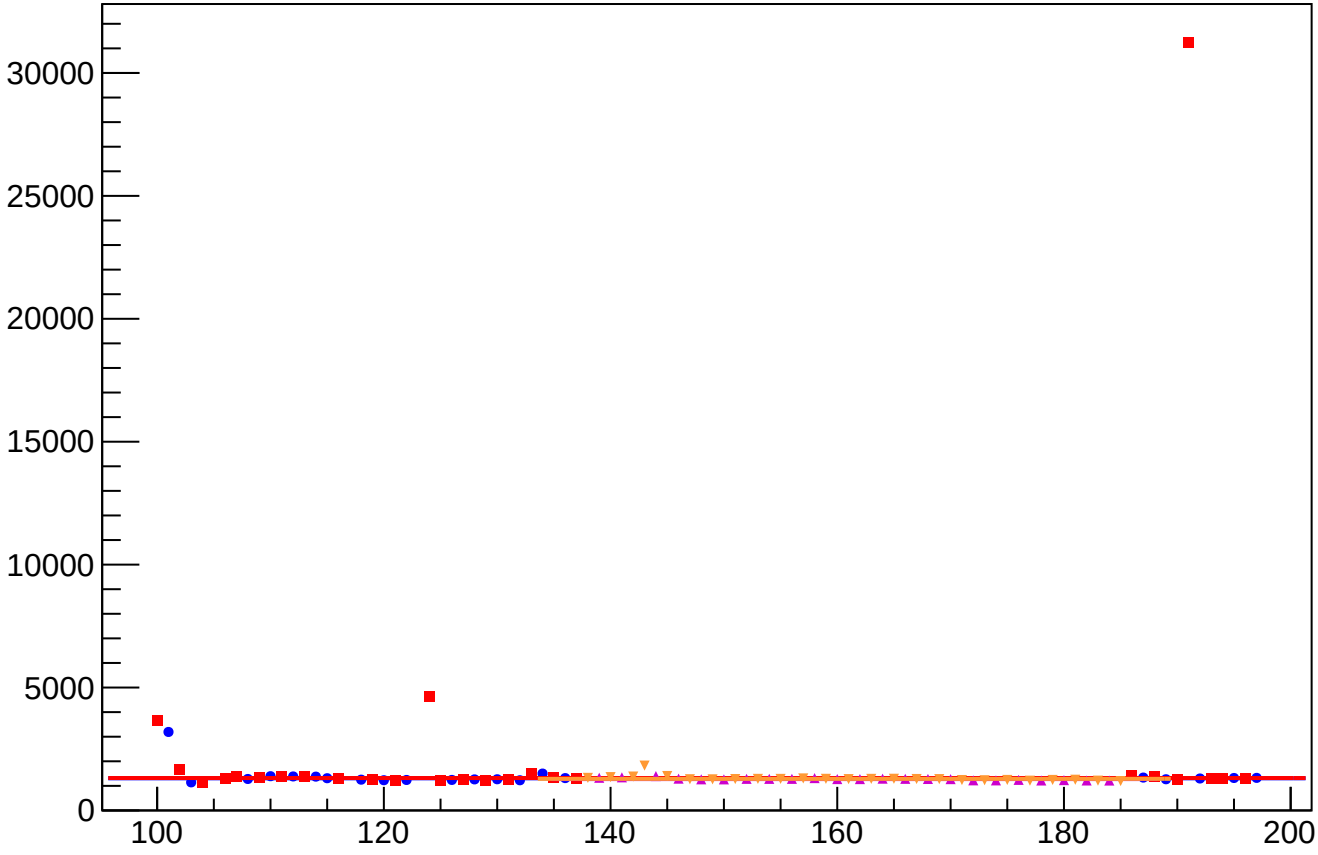
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1756.343+/-237.467 χ^2/NDF: 51.3/45

All: -265.064+/-167.886 χ^2/NDF: 244.8/94

- sign -2285.095+/-237.386 χ^2/NDF: 48.7/48

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.455+/-0.287 χ^2/NDF: 517958.1/20

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

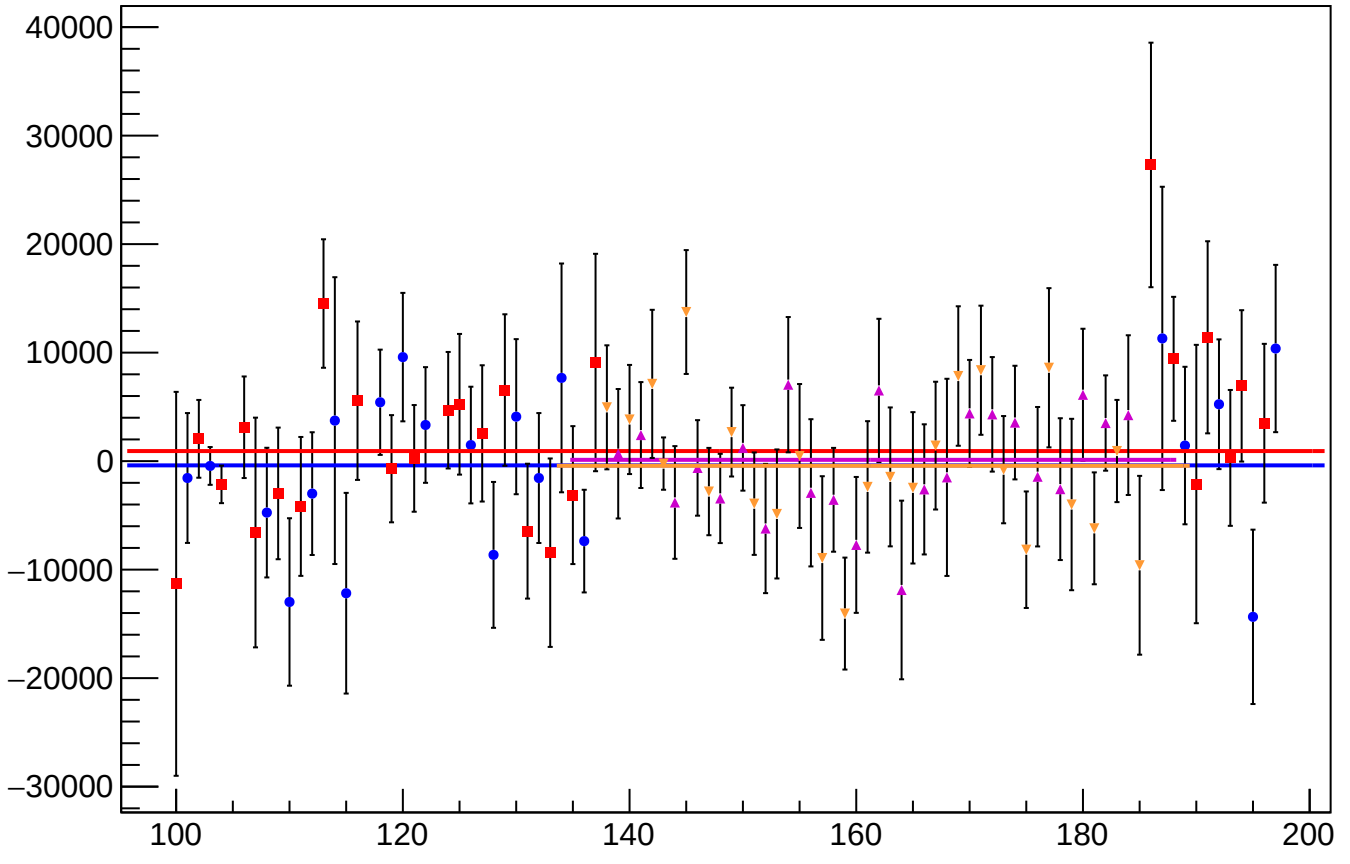
Right Out: 1319.348+/-0.277 χ^2/NDF: 487851.9/25

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.110+/-0.168 χ^2/NDF: 712781.2/45

All: 1292.477+/-0.119 χ^2/NDF: 1257598.8/94

- sign 1291.845+/-0.168 χ^2/NDF: 544789.1/48



Right In: -391.552+/-1118.298 χ^2/NDF: 21.4/20

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

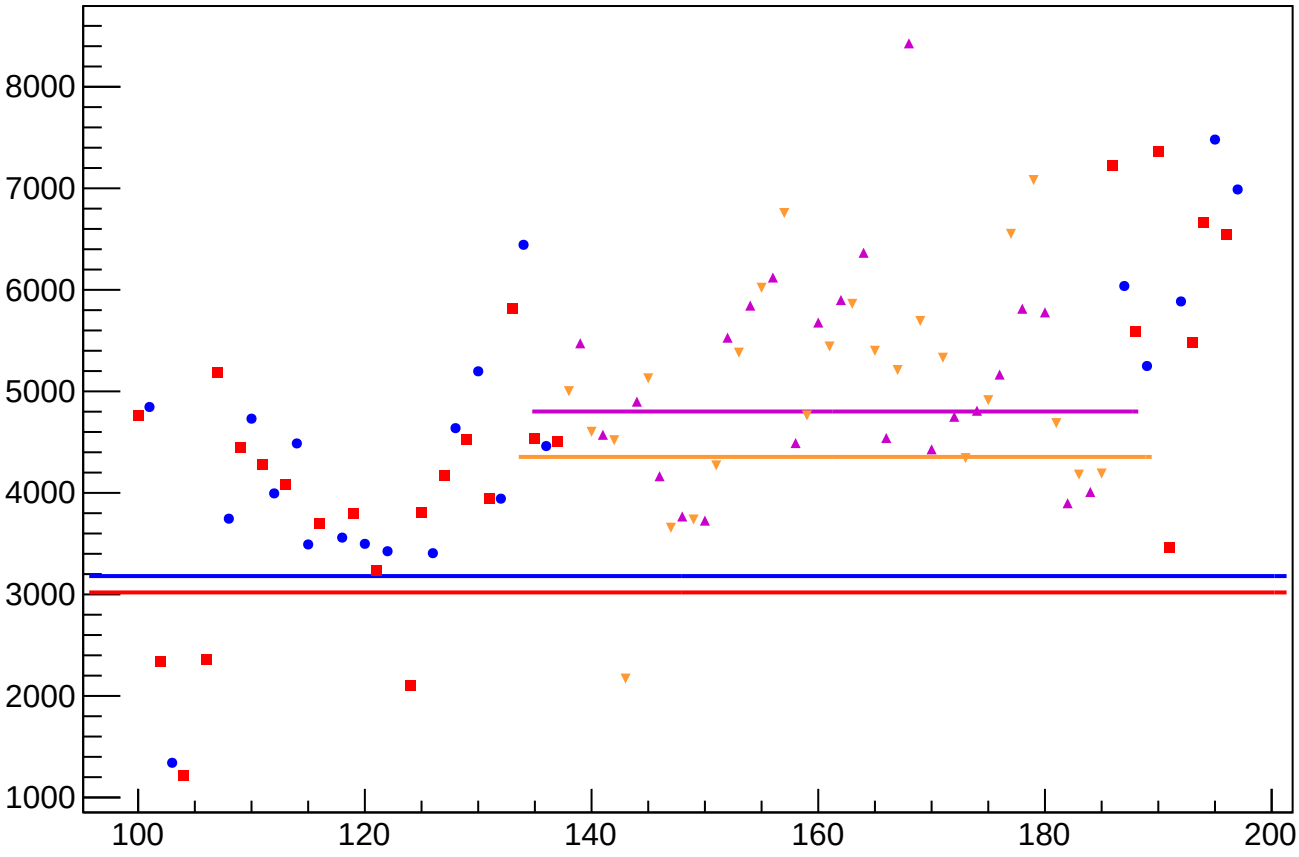
Right Out: 927.189+/-1025.309 χ^2/NDF: 26.6/25

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -411.413+/-760.796 χ^2/NDF: 51.2/45

All: 76.186+/-539.000 χ^2/NDF: 92.5/94

- sign 567.560+/-763.735 χ^2/NDF: 40.5/48



Right In: 3180.647+/-0.791 χ^2/NDF: 4913142.3/20

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3019.489+/-0.725 χ^2/NDF: 5608773.4/25

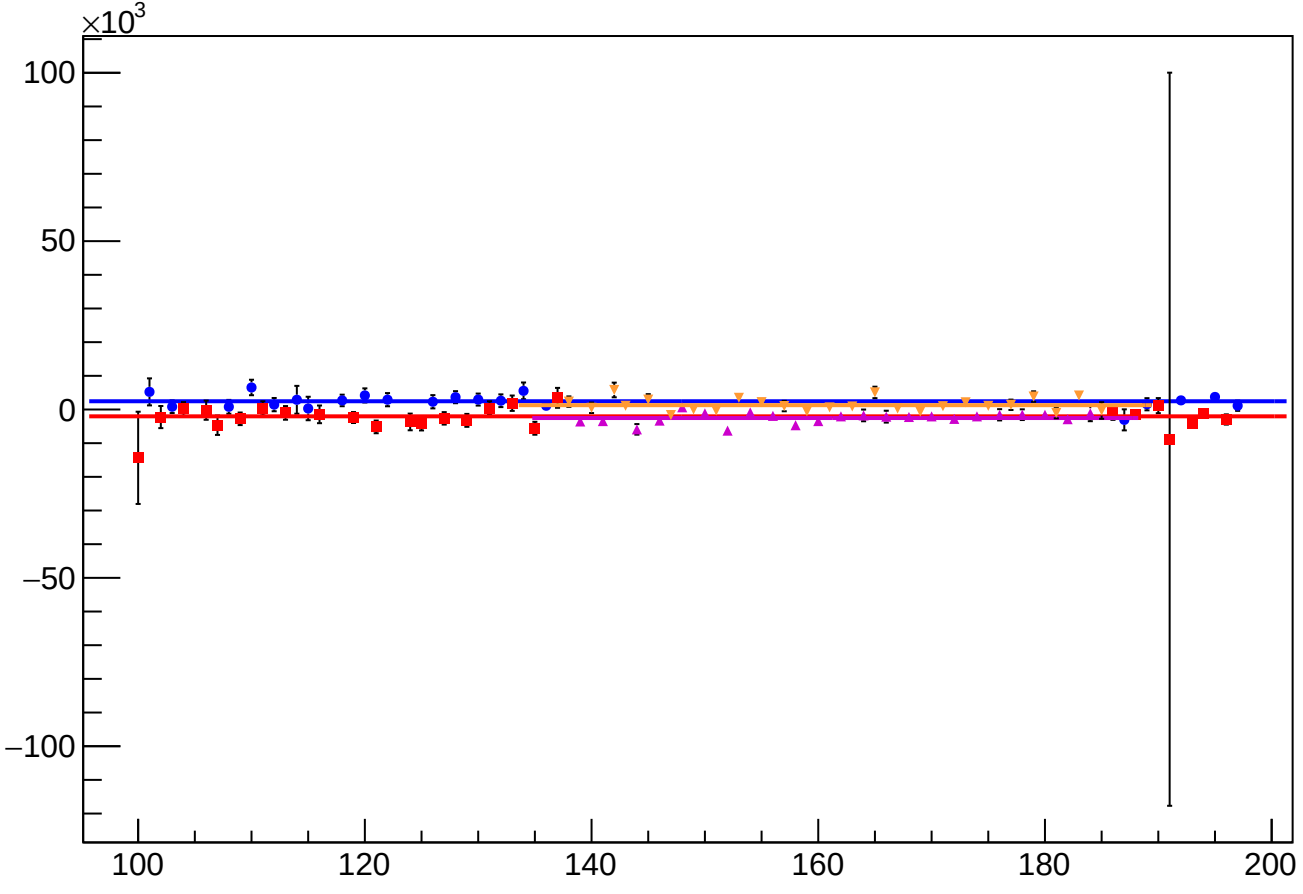
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3811.212+/-0.538 χ^2/NDF: 9168427.5/45

All: 3811.993+/-0.381 χ^2/NDF: 18698661.7/9

- sign 3812.781+/-0.540 χ^2/NDF: 9530230.0/48

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2450.377+/-419.523 χ^2/NDF: 14.4/20

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -2028.337+/-400.342 χ^2/NDF: 25.9/25

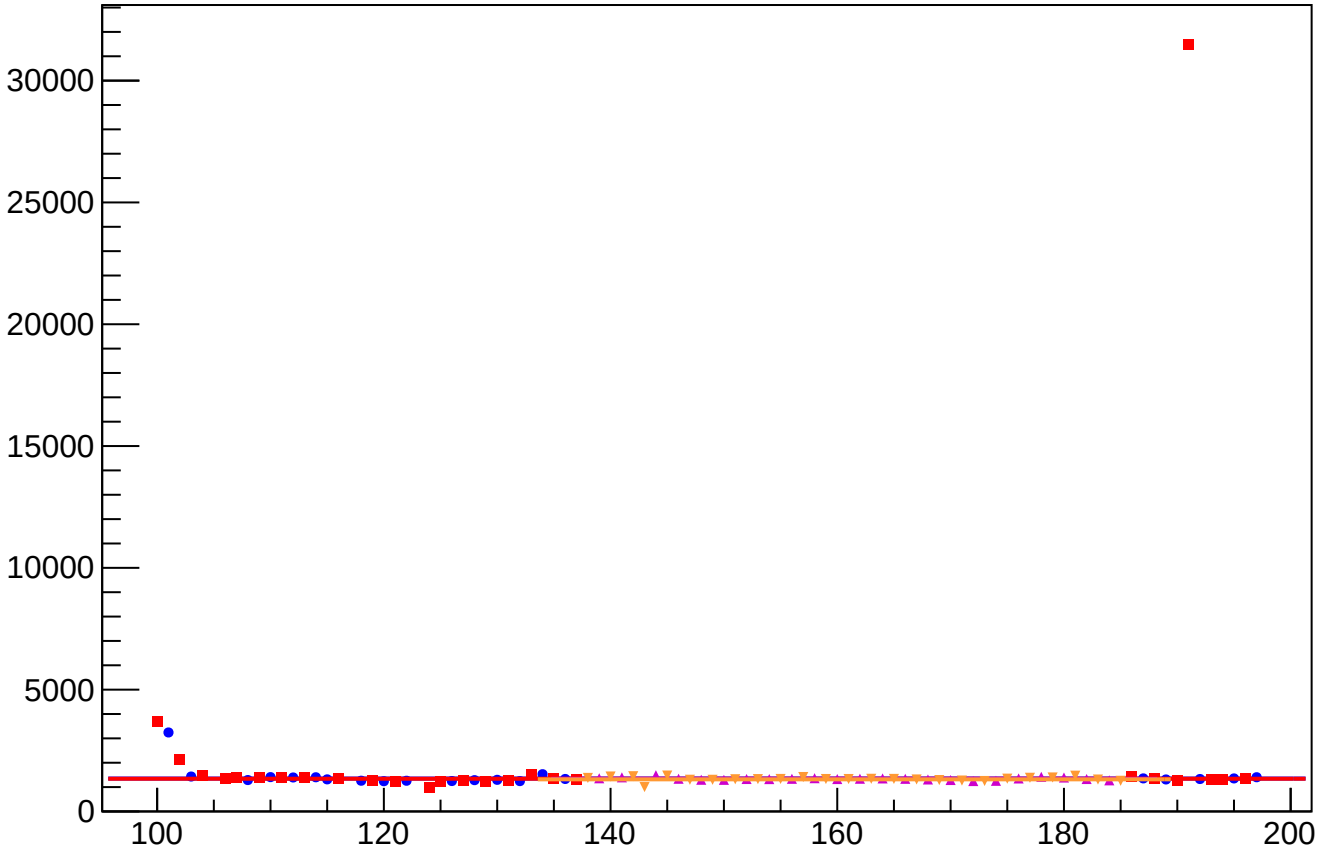
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1679.839+/-244.311 χ^2/NDF: 52.8/45

All: -312.374+/-173.532 χ^2/NDF: 238.9/94

- sign -2340.882+/-246.526 χ^2/NDF: 51.9/48

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1351.214+/-0.297 χ^2/NDF: 497806.5/20

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

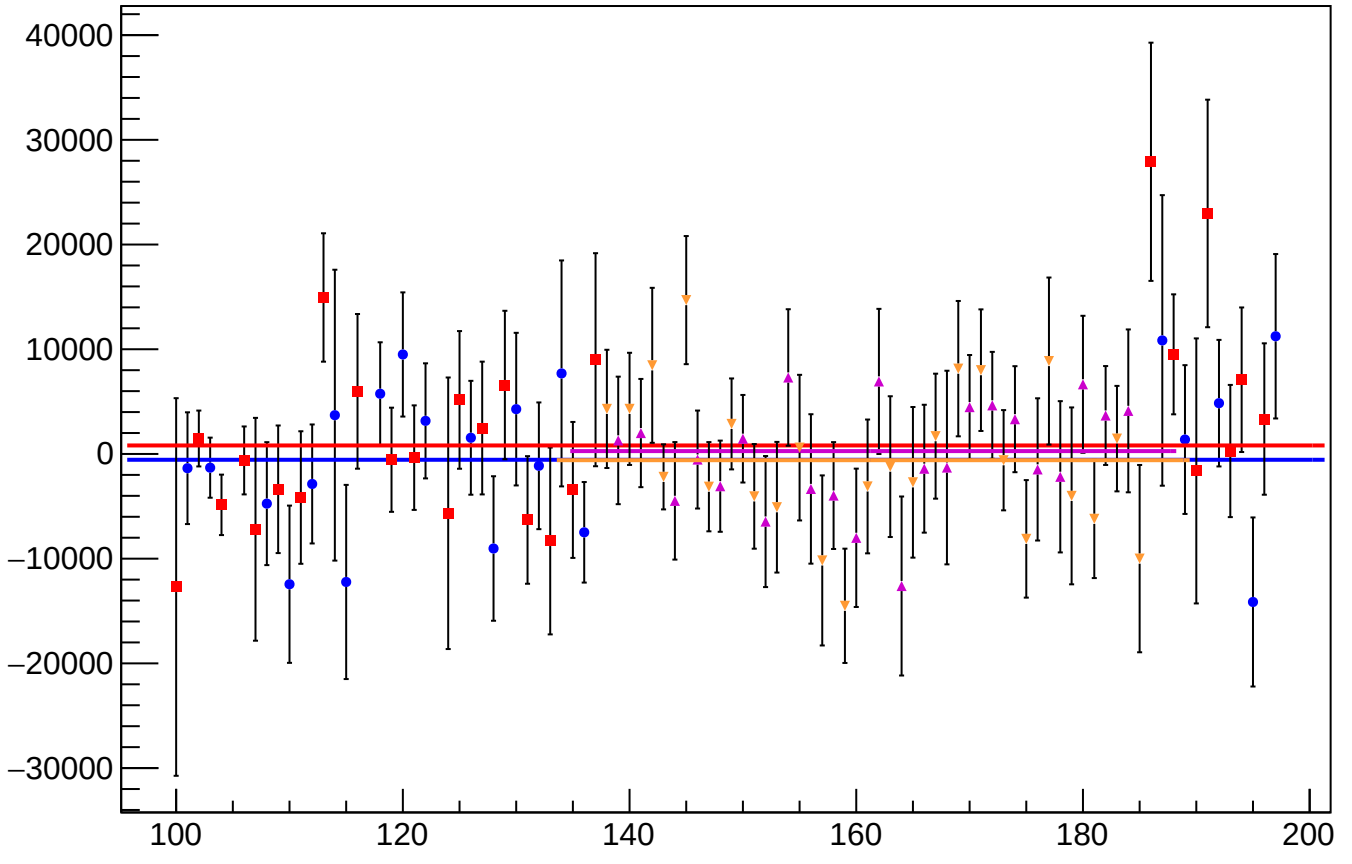
Right Out: 1343.387+/-0.283 χ^2/NDF: 433966.4/25

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1329.379+/-0.173 χ^2/NDF: 754552.2/45

All: 1334.850+/-0.123 χ^2/NDF: 1244967.8/94

- sign 1340.418+/-0.174 χ^2/NDF: 488392.3/48



Right In: -555.945+/-1300.871 χ^2/NDF: 21.3/20

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

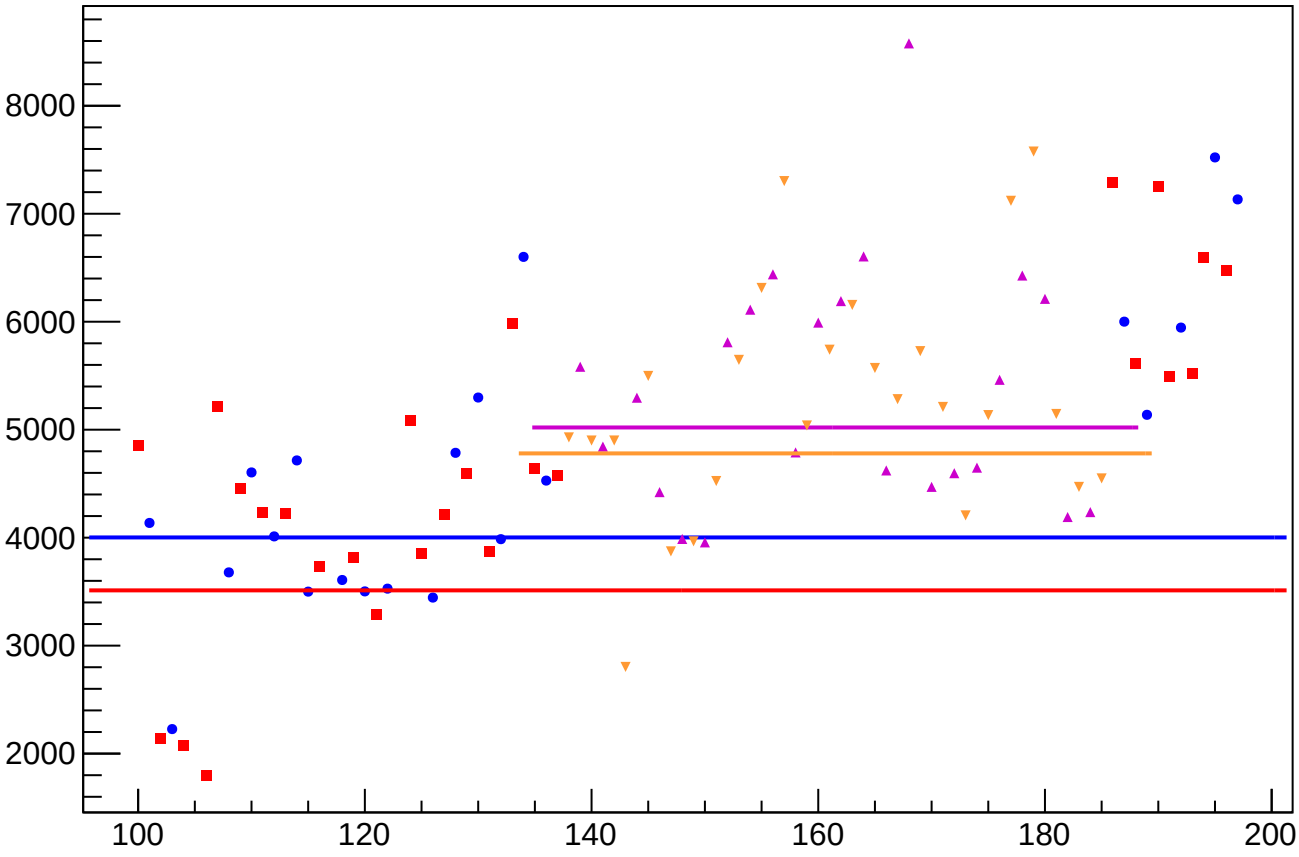
Right Out: 811.991+/-1111.333 χ^2/NDF: 30.3/25

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -578.287+/-849.758 χ^2/NDF: 50.9/45

All: 16.294+/-587.960 χ^2/NDF: 95.6/94

- sign 562.388+/-814.372 χ^2/NDF: 43.8/48



Right In: 4002.047+/-0.920 χ^2/NDF: 2086278.7/20

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3511.789+/-0.786 χ^2/NDF: 3776962.3/25

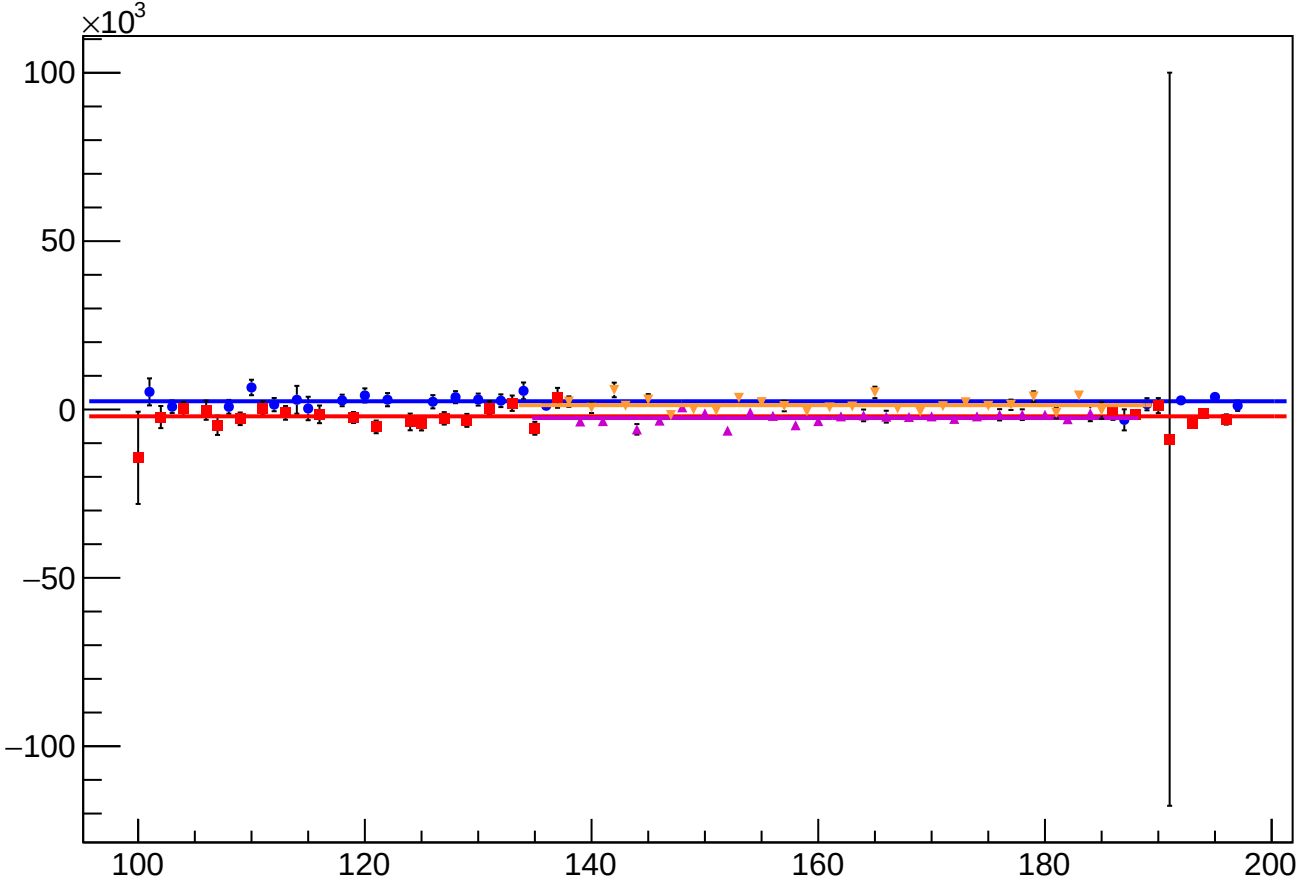
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4448.275+/-0.601 χ^2/NDF: 4503005.0/45

All: 4324.271+/-0.416 χ^2/NDF: 11293587.7/9

- sign 4210.380+/-0.576 χ^2/NDF: 6708875.9/48

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2450.375+/-419.523 χ^2/NDF: 14.4/20

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -2028.337+/-400.342 χ^2/NDF: 25.9/25

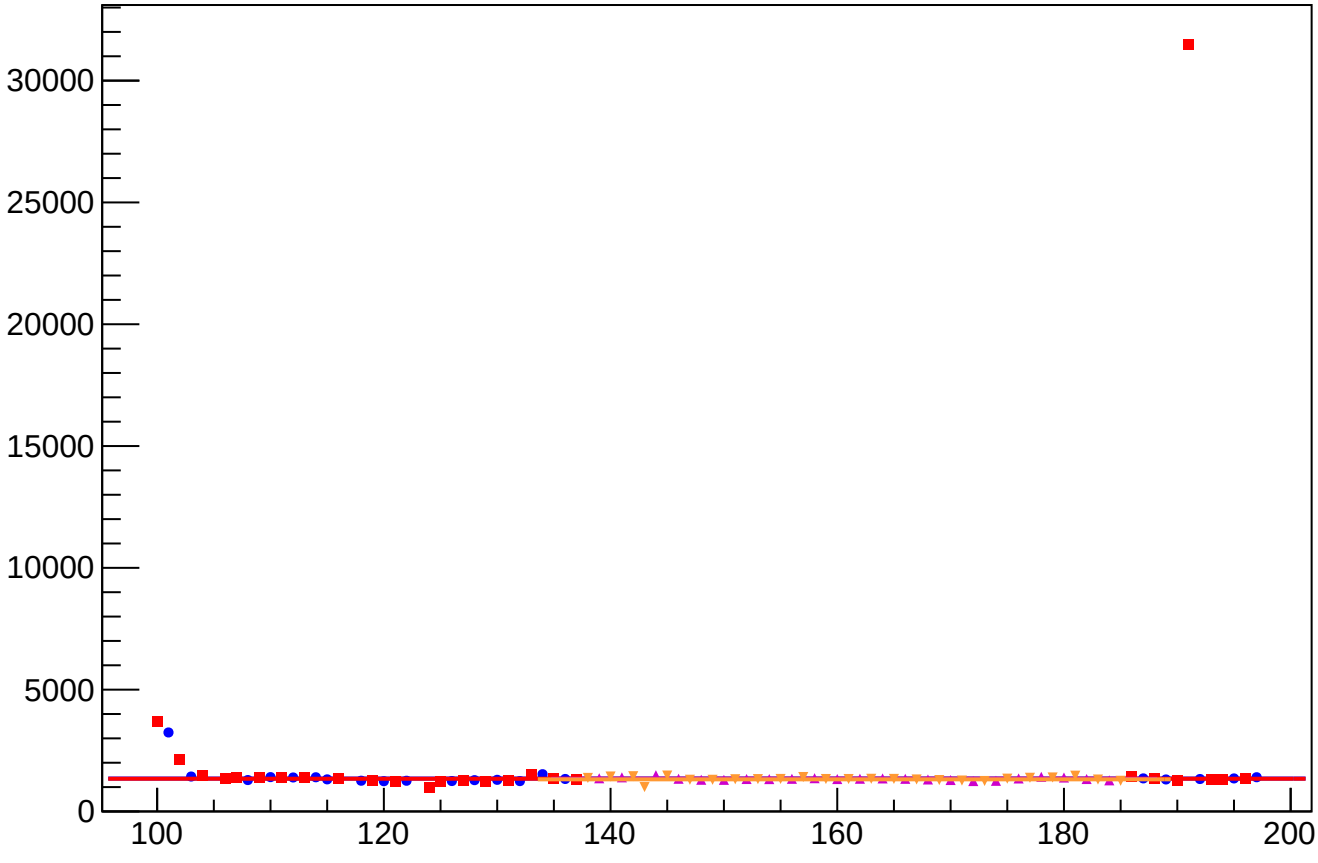
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1679.836+/-244.311 χ^2/NDF: 52.8/45

All: -312.376+/-173.532 χ^2/NDF: 238.9/94

- sign -2340.882+/-246.527 χ^2/NDF: 51.9/48

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1351.214+/-0.297 χ^2/NDF: 497806.8/20

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

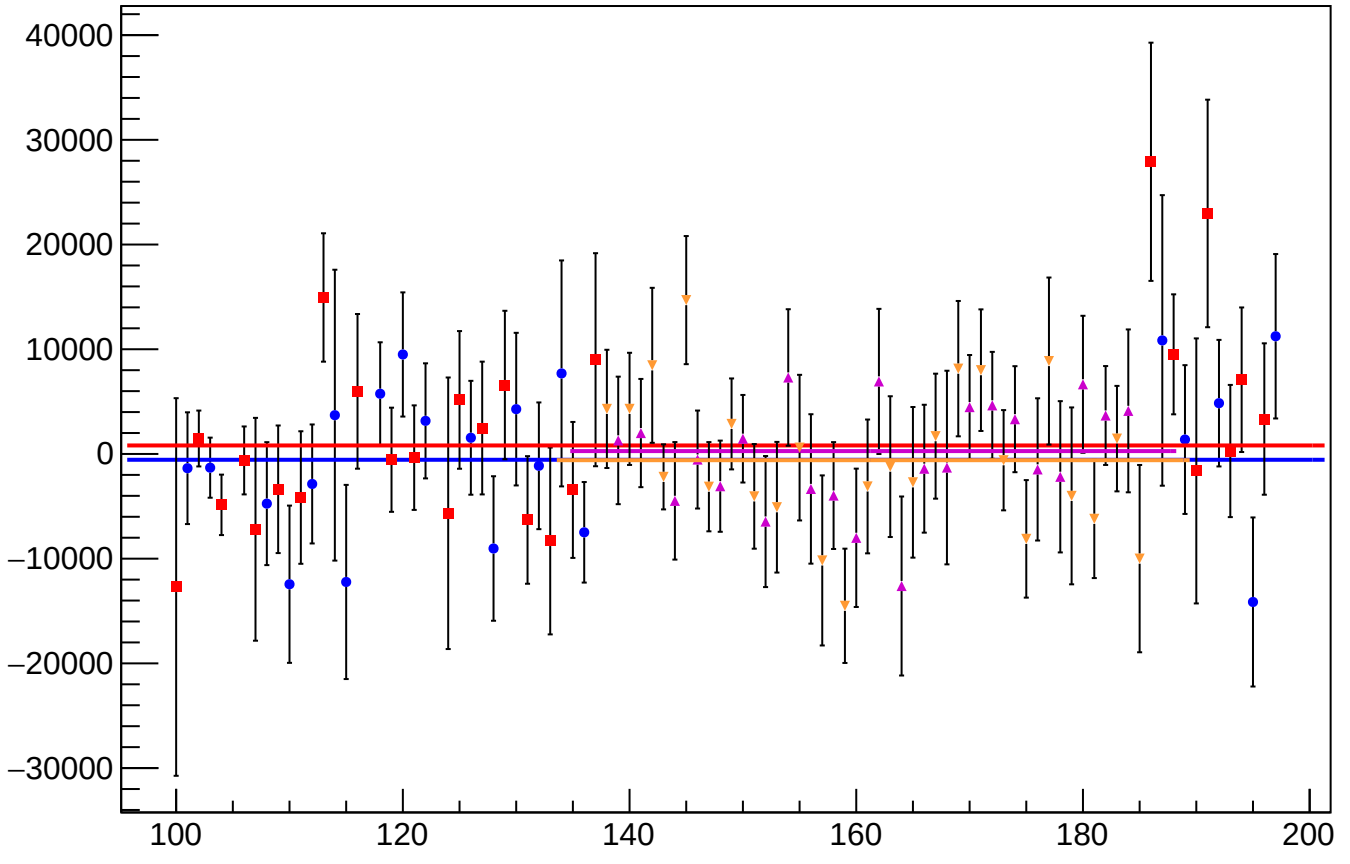
Right Out: 1343.387+/-0.283 χ^2/NDF: 433965.3/25

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1329.380+/-0.173 χ^2/NDF: 754554.2/45

All: 1334.850+/-0.123 χ^2/NDF: 1244971.0/94

- sign 1340.418+/-0.174 χ^2/NDF: 488393.6/48



Right In: -555.939+/-1300.868 χ^2/NDF: 21.3/20

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

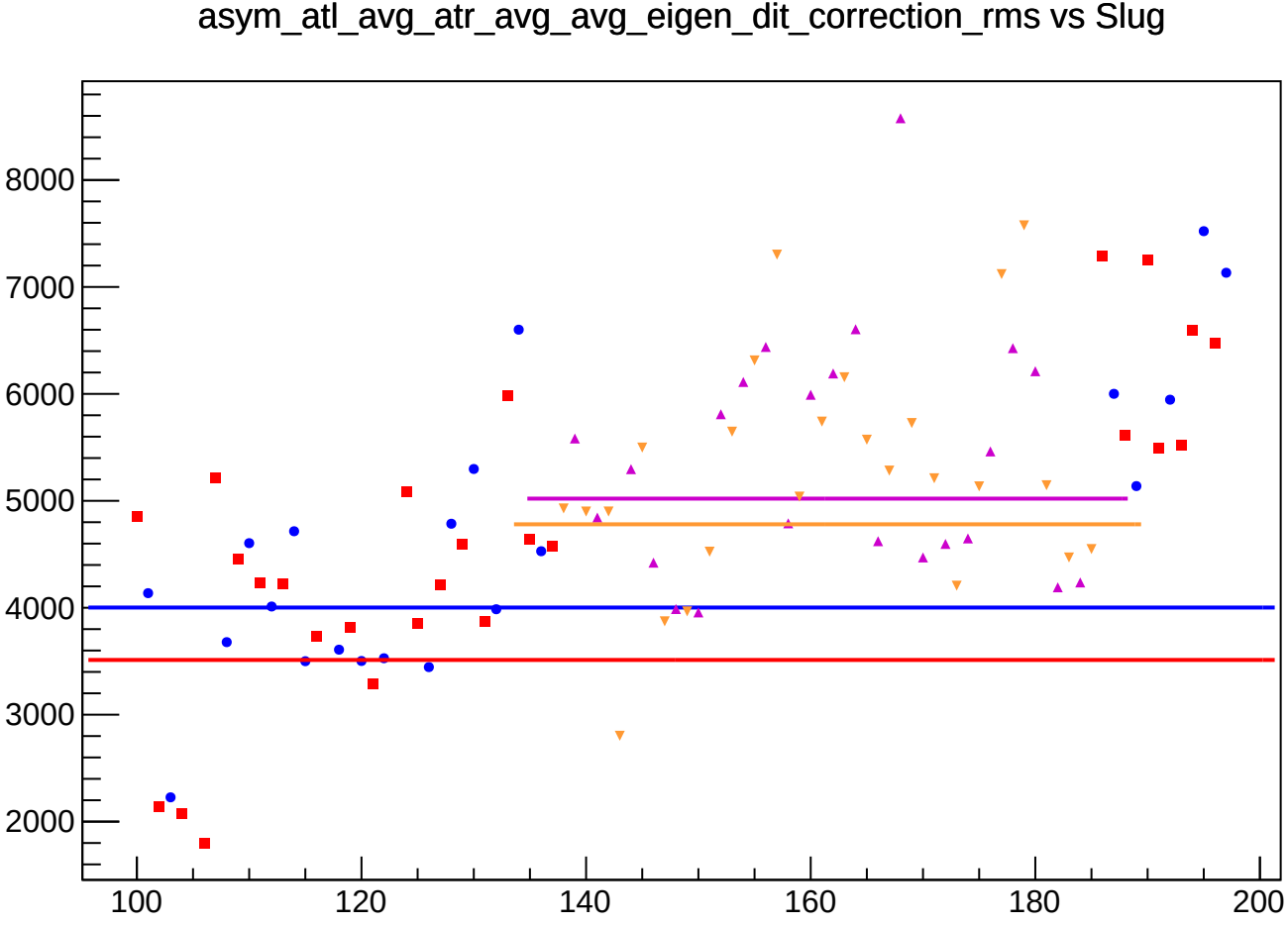
Right Out: 811.984+/-1111.330 χ^2/NDF: 30.3/25

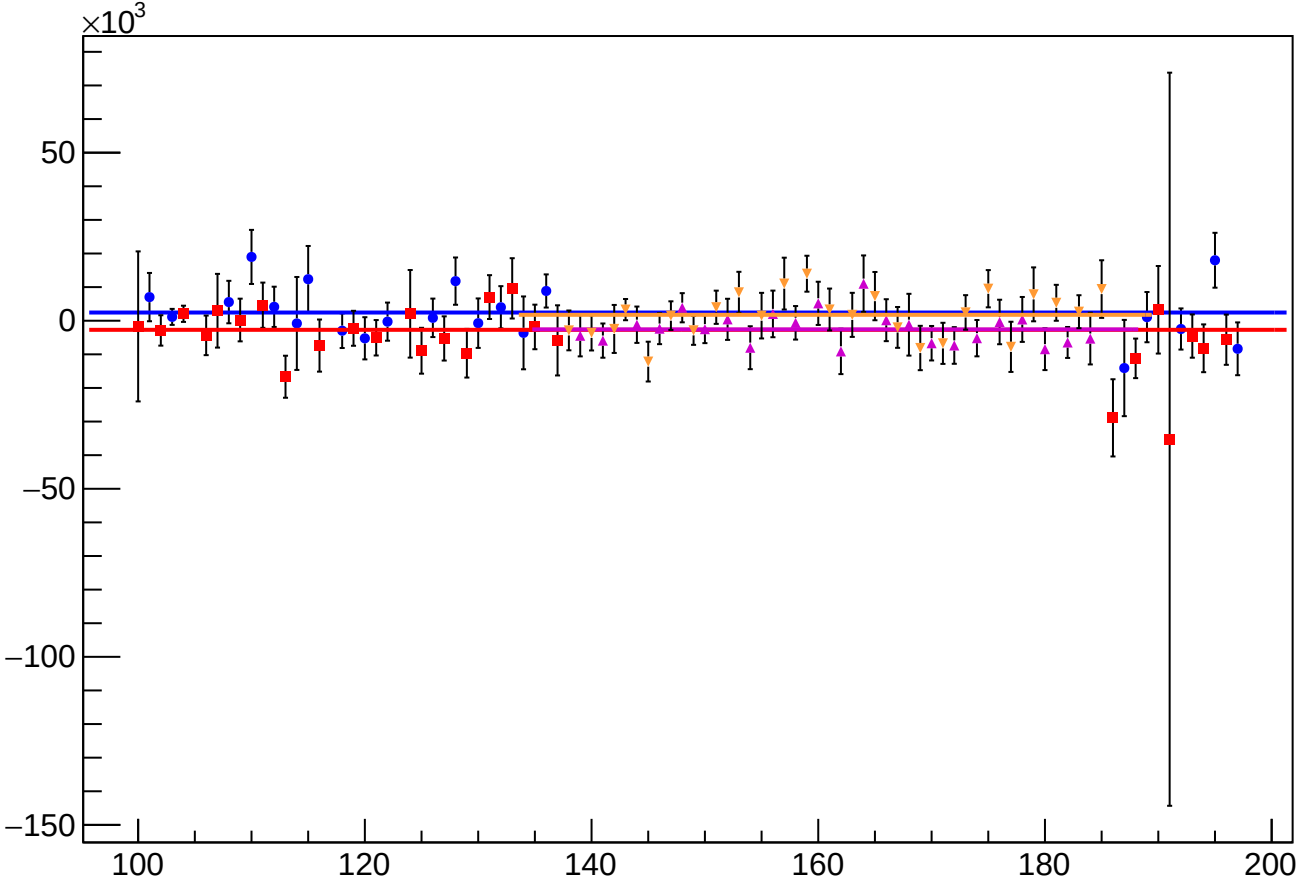
Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

\+ sign -578.287+/-849.758 χ^2/NDF: 50.9/45

All: 16.294+/-587.960 χ^2/NDF: 95.6/94

\- sign 562.386+/-814.372 χ^2/NDF: 43.8/48


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4002.038+/-0.920 χ²/NDF: 2086293.5/20
Left Out: 4780.404+/-0.794 χ²/NDF:2006246.8/24
Right Out: 3511.780+/-0.786 χ²/NDF: 3776980.1/25
Left In: 5020.567+/-0.846 χ²/NDF:1225095.5/22
+ sign 4448.274+/-0.601 χ²/NDF: 4503039.1/45
All: 4324.269+/-0.416 χ²/NDF: 11293683.6/9
- sign 4210.376+/-0.576 χ²/NDF: 6708935.3/48



Right In: 2438.995+/-1292.448 χ^2/NDF: 20.8/20

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2707.135+/-1227.447 χ^2/NDF: 25.9/25

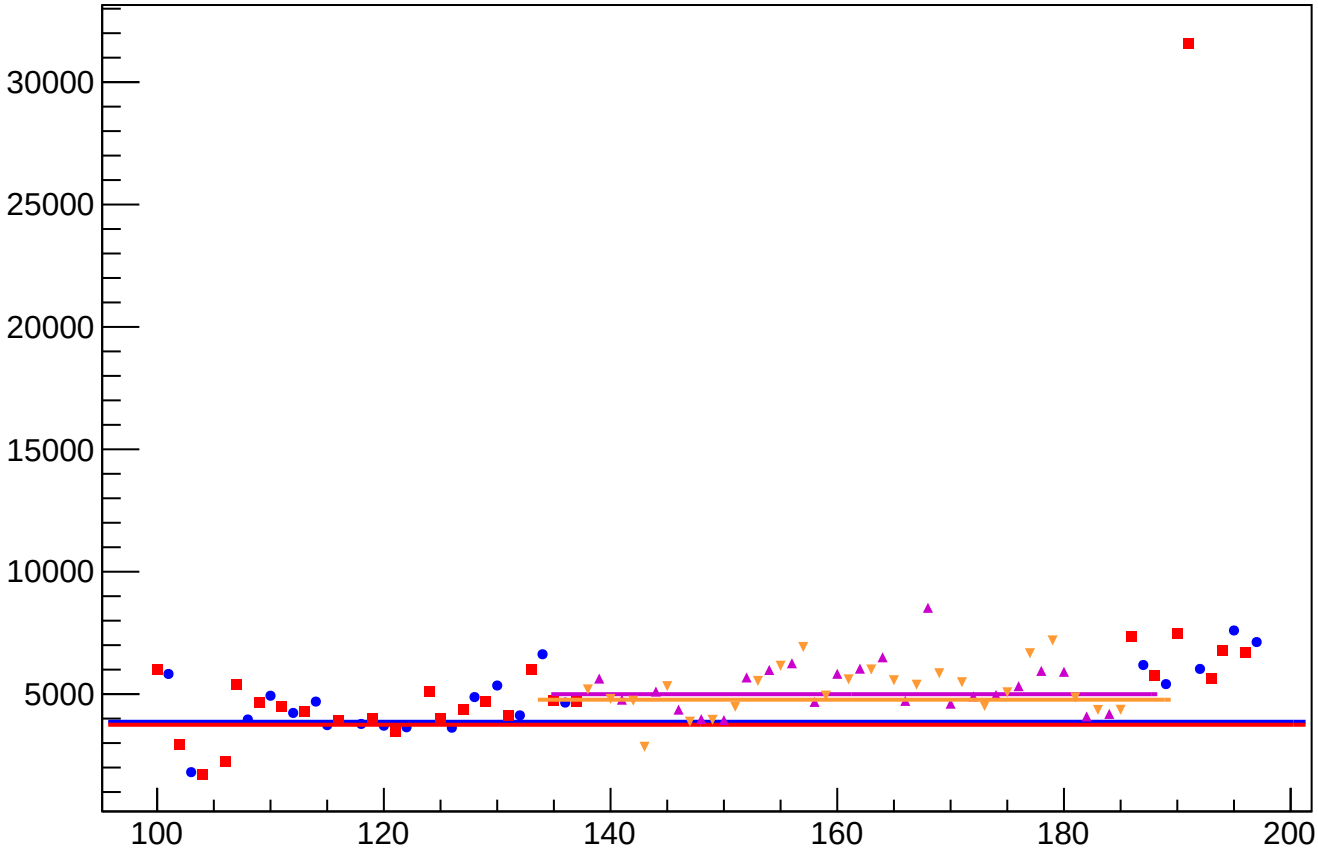
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 2051.051+/-844.781 χ^2/NDF: 48.6/45

All: -270.269+/-600.519 χ^2/NDF: 103.0/94

- sign -2641.495+/-853.814 χ^2/NDF: 39.2/48

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3870.037+/-0.914 χ^2/NDF: 3153771.1/20

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

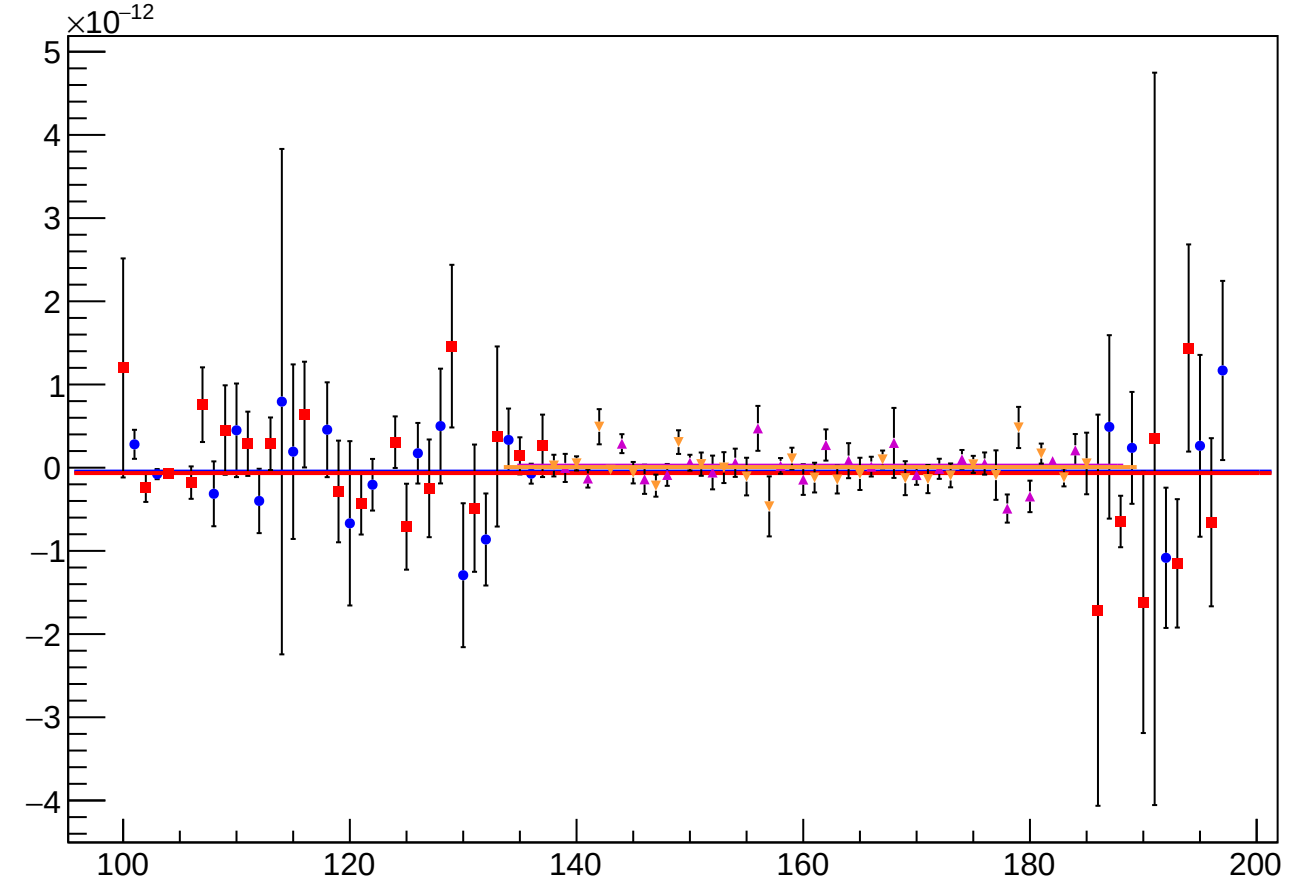
Right Out: 3747.978+/-0.858 χ^2/NDF: 3701317.4/25

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4386.181+/-0.597 χ^2/NDF: 5497751.3/45

All: 4385.718+/-0.423 χ^2/NDF: 11376176.7/9

- sign 4385.249+/-0.600 χ^2/NDF: 5878424.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

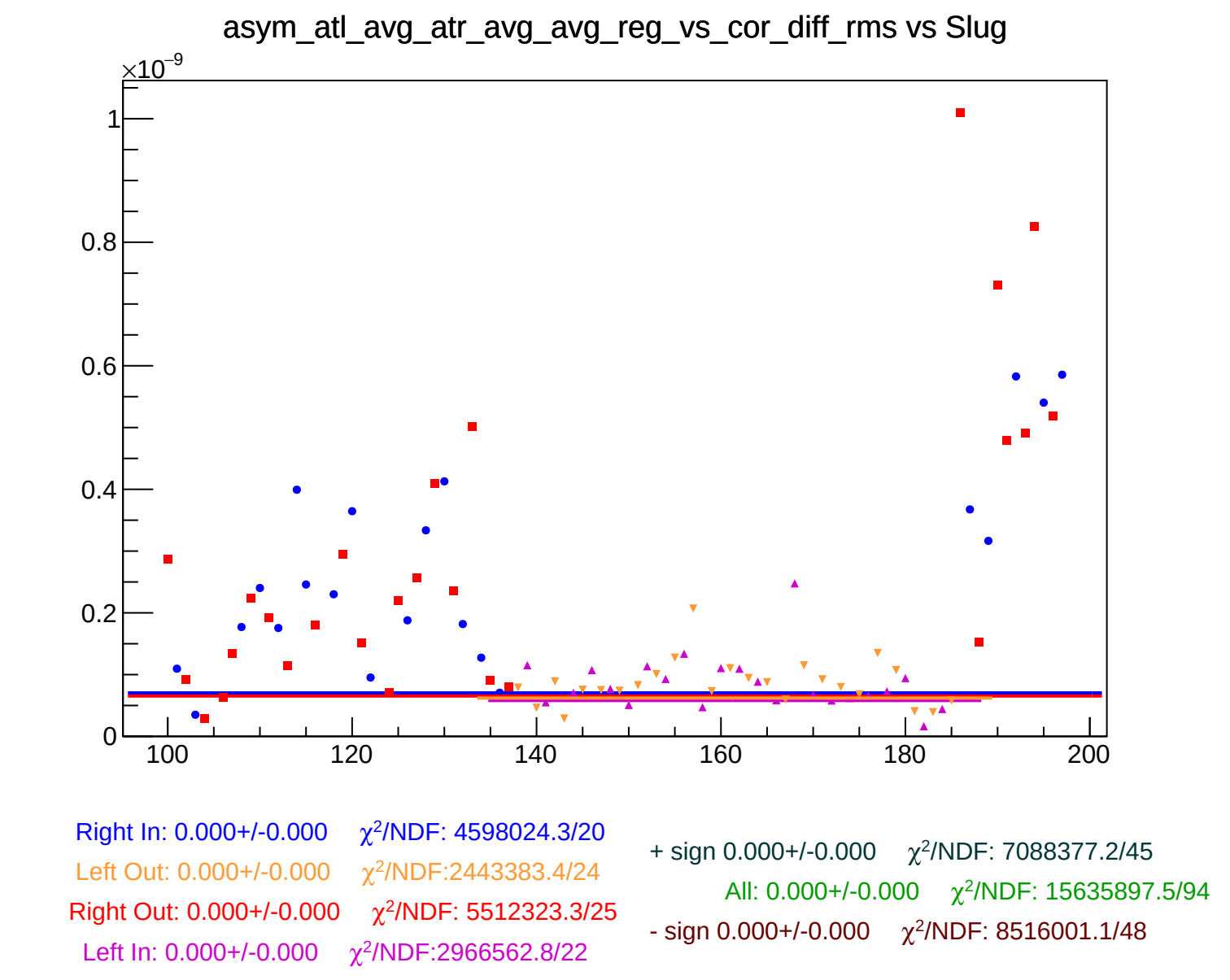
Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/25

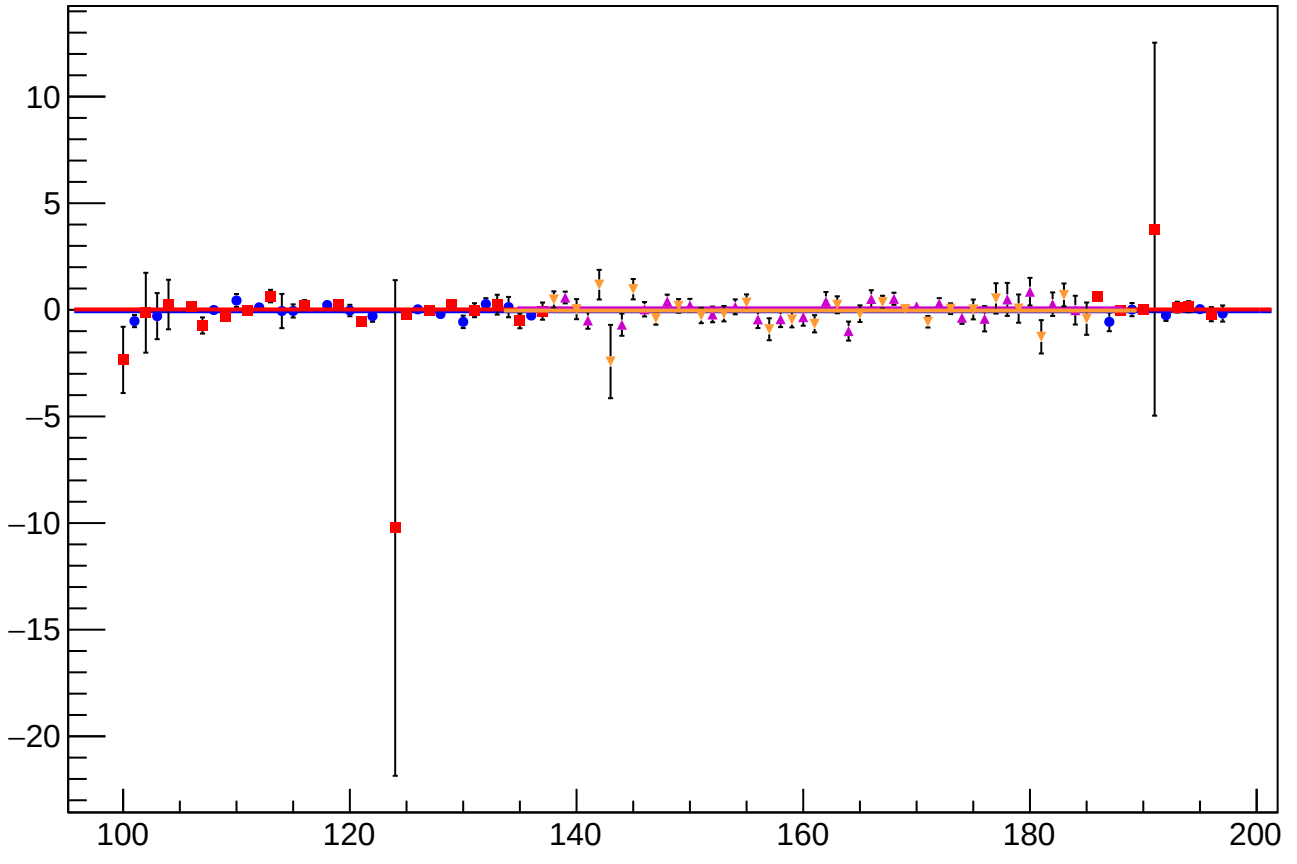
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/45

All: -0.000+/-0.000 χ^2/NDF: 107.1/94

- sign 0.000+/-0.000 χ^2/NDF: 61.9/48


asym_atl_avg_atr_avg_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: 4598024.3/20
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 5512323.3/25
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
+ sign 0.000+/-0.000 χ²/NDF: 7088377.2/45
All: 0.000+/-0.000 χ²/NDF: 15635897.5/94
- sign 0.000+/-0.000 χ²/NDF: 8516001.1/48



Right In: -0.066+/-0.060 χ^2/NDF: 17.0/20

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

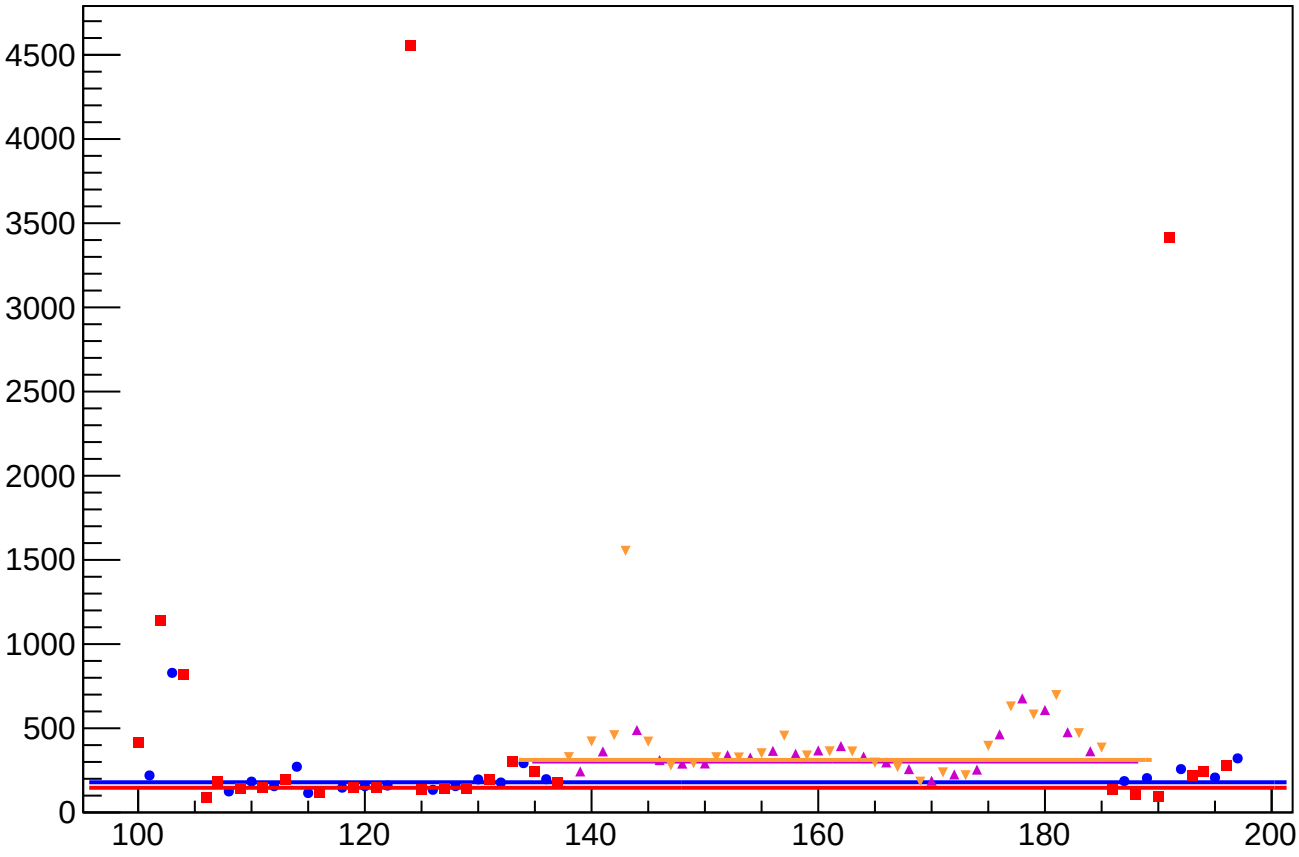
Right Out: 0.018+/-0.049 χ^2/NDF: 36.2/25

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.054+/-0.047 χ^2/NDF: 49.6/45

All: -0.004+/-0.031 χ^2/NDF: 118.1/94

- sign 0.034+/-0.041 χ^2/NDF: 66.5/48



Right In: 179.247+/-0.042 χ^2/NDF: 1851108.4/20

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

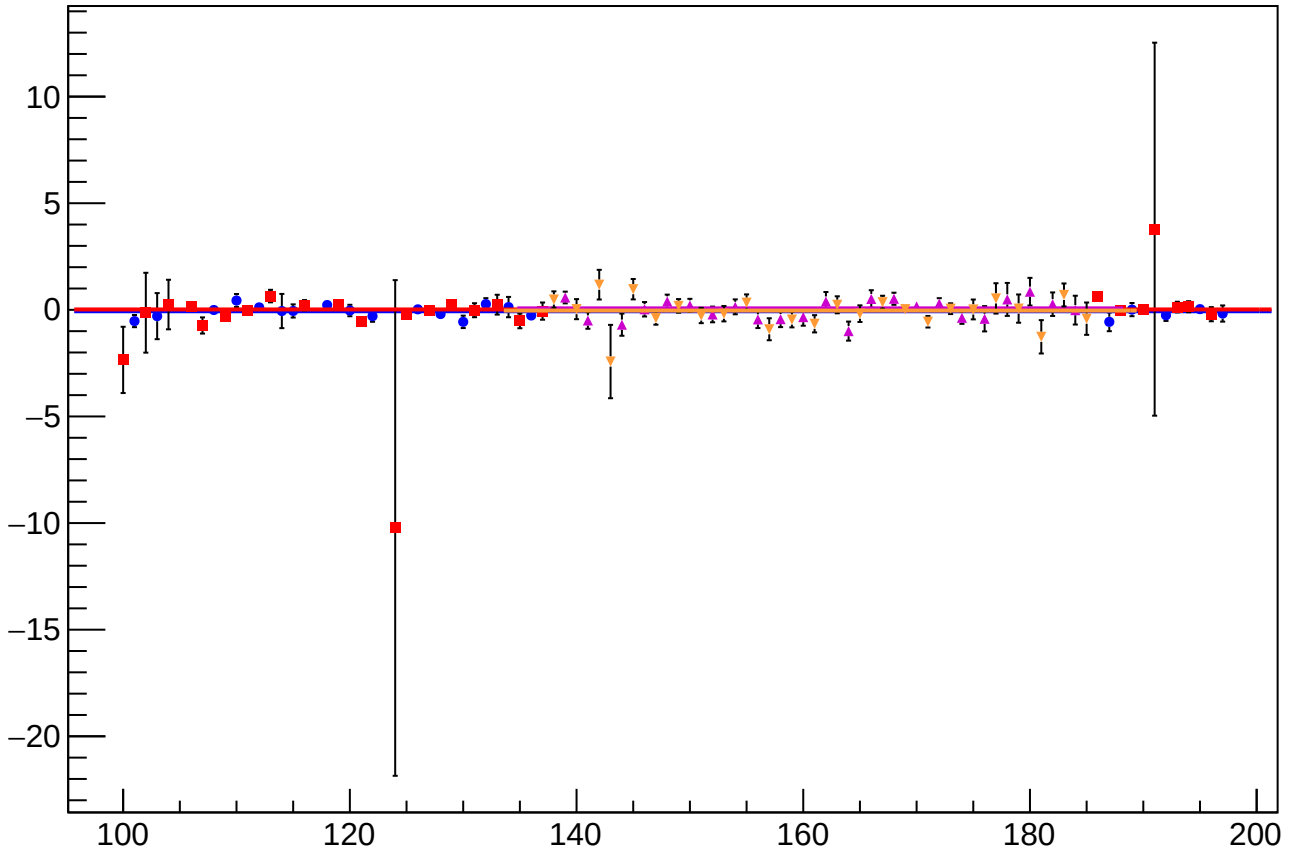
Right Out: 146.663+/-0.035 χ^2/NDF: 3846783.4/25

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 229.433+/-0.033 χ^2/NDF: 9927366.2/45

All: 209.121+/-0.022 χ^2/NDF: 23272672.7/94

- sign 193.655+/-0.029 χ^2/NDF: 12691544.1/48



Right In: -0.066+/-0.060 χ^2/NDF: 17.0/20

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

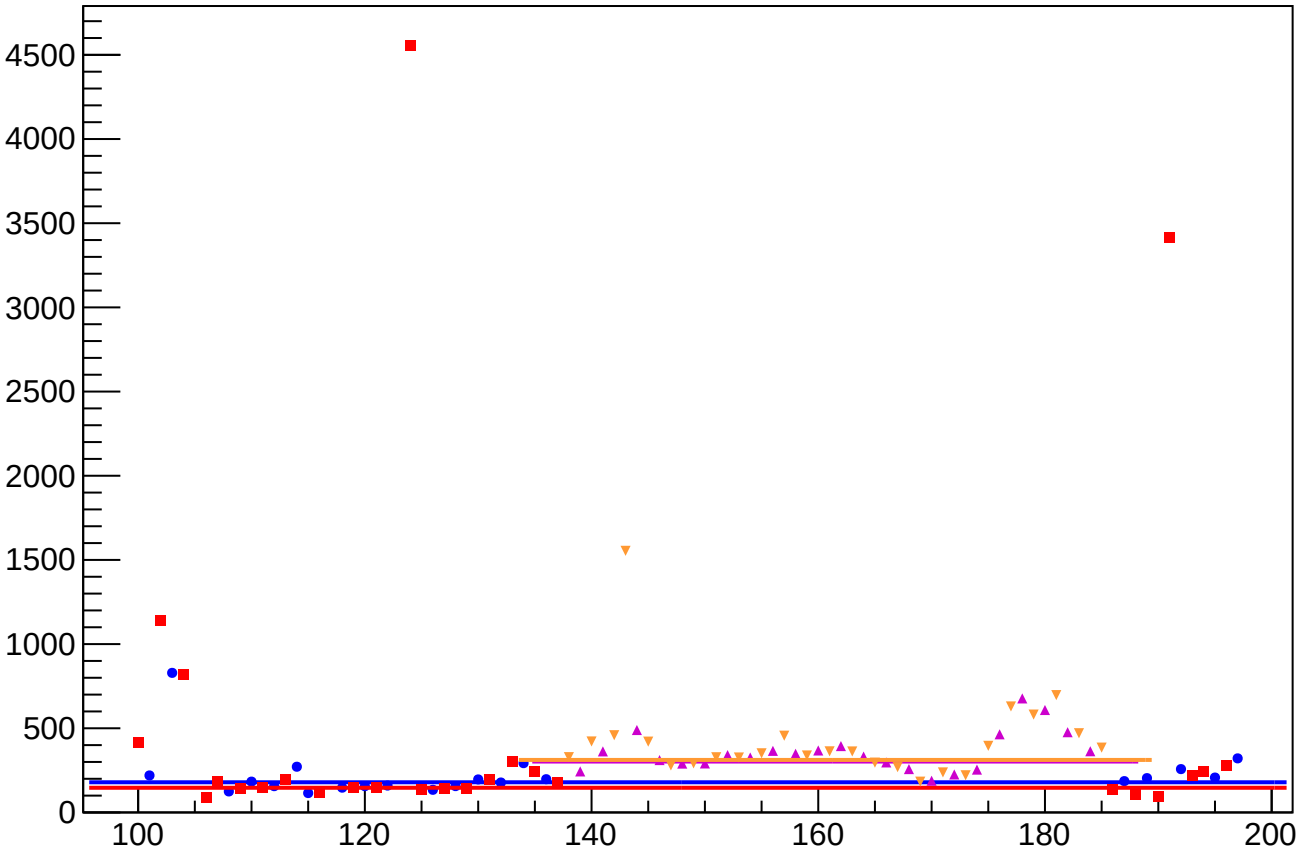
Right Out: 0.018+/-0.049 χ^2/NDF: 36.2/25

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.054+/-0.047 χ^2/NDF: 49.6/45

All: -0.004+/-0.031 χ^2/NDF: 118.1/94

- sign 0.034+/-0.041 χ^2/NDF: 66.5/48



Right In: 179.247+/-0.042 χ^2/NDF: 1851108.4/20

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

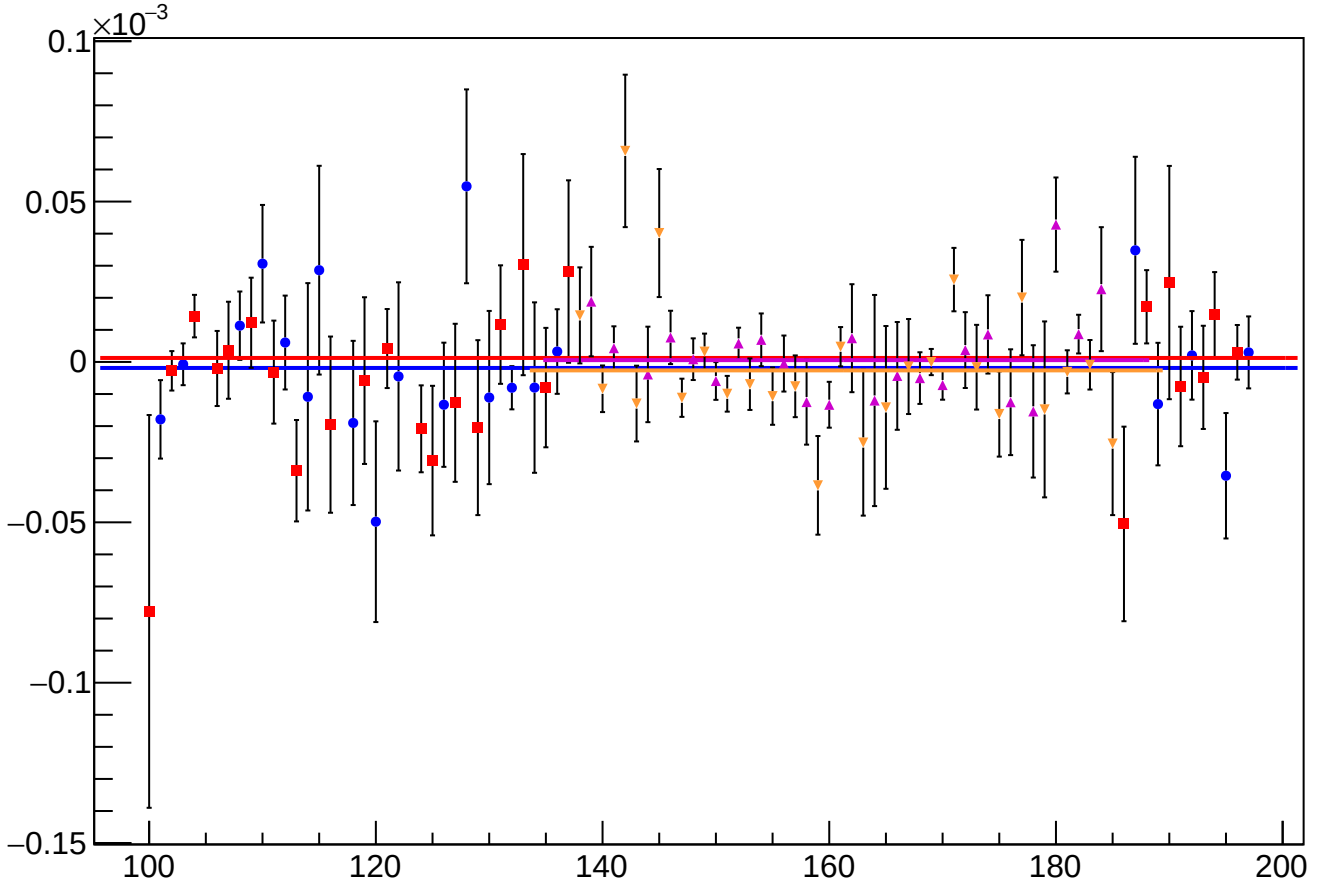
Right Out: 146.663+/-0.035 χ^2/NDF: 3846783.4/25

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 229.433+/-0.033 χ^2/NDF: 9927366.2/45

All: 209.121+/-0.022 χ^2/NDF: 23272672.7/94

- sign 193.655+/-0.029 χ^2/NDF: 12691544.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

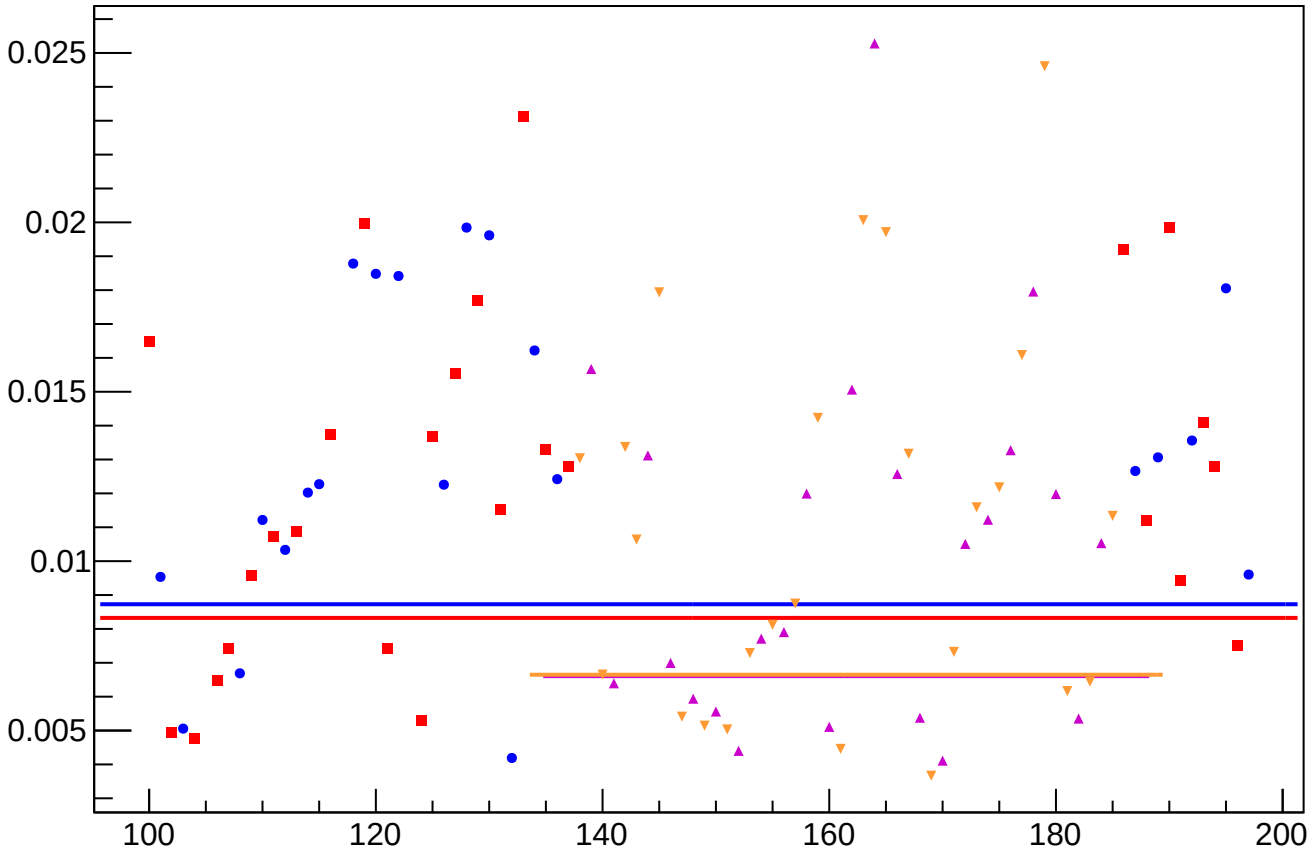
Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/25

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.1/45

All: -0.000+/-0.000 χ^2/NDF: 119.1/94

- sign 0.000+/-0.000 χ^2/NDF: 53.7/48



Right In: 0.009+/-0.000 χ^2/NDF: 4277520.8/20

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

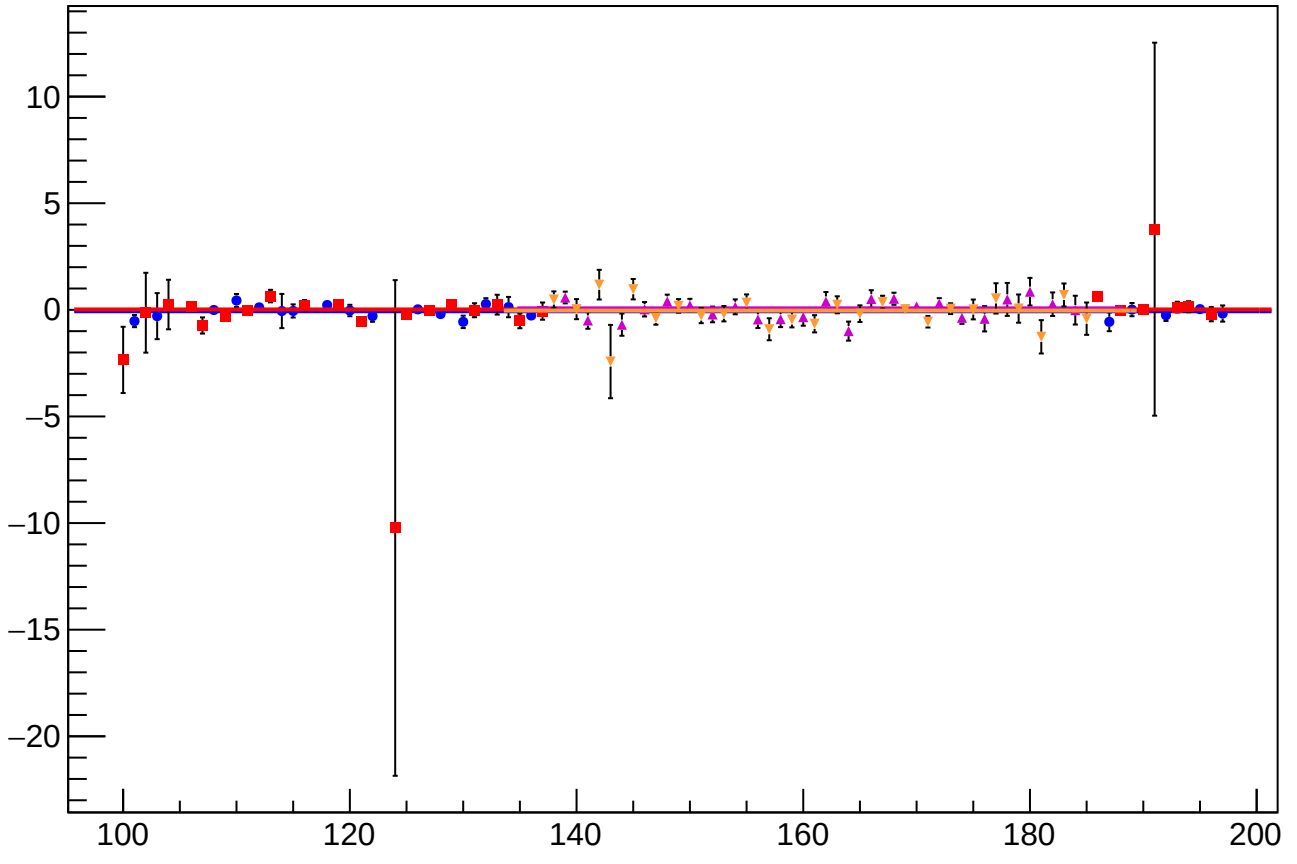
Right Out: 0.008+/-0.000 χ^2/NDF: 4197663.9/25

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 12487801.9/45

All: 0.007+/-0.000 χ^2/NDF: 23107971.7/94

- sign 0.007+/-0.000 χ^2/NDF: 10619841.8/48



Right In: -0.066+/-0.060 χ^2/NDF: 17.0/20

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

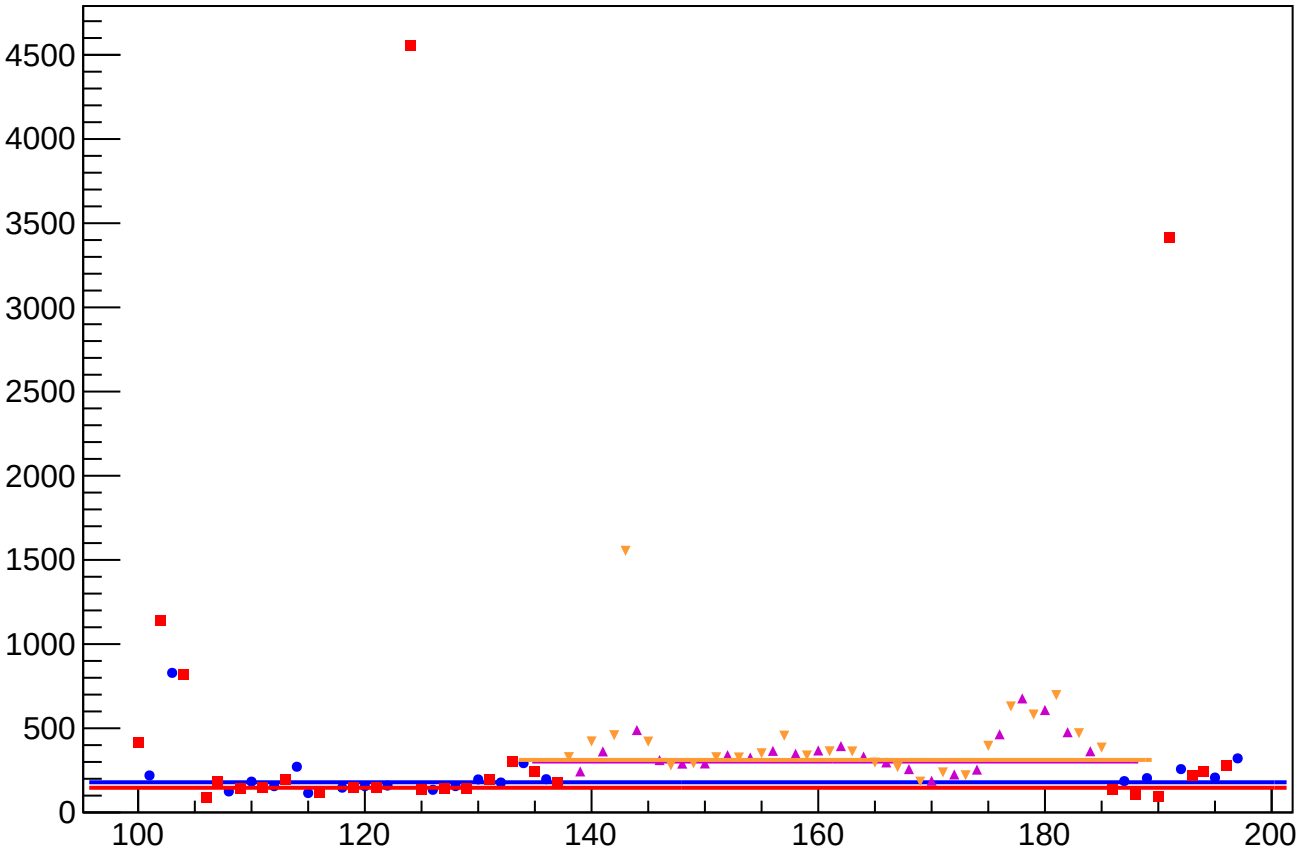
Right Out: 0.018+/-0.049 χ^2/NDF: 36.2/25

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.054+/-0.047 χ^2/NDF: 49.6/45

All: -0.004+/-0.031 χ^2/NDF: 118.1/94

- sign 0.034+/-0.041 χ^2/NDF: 66.5/48



Right In: 179.246+/-0.042 χ^2/NDF: 1851102.1/20

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

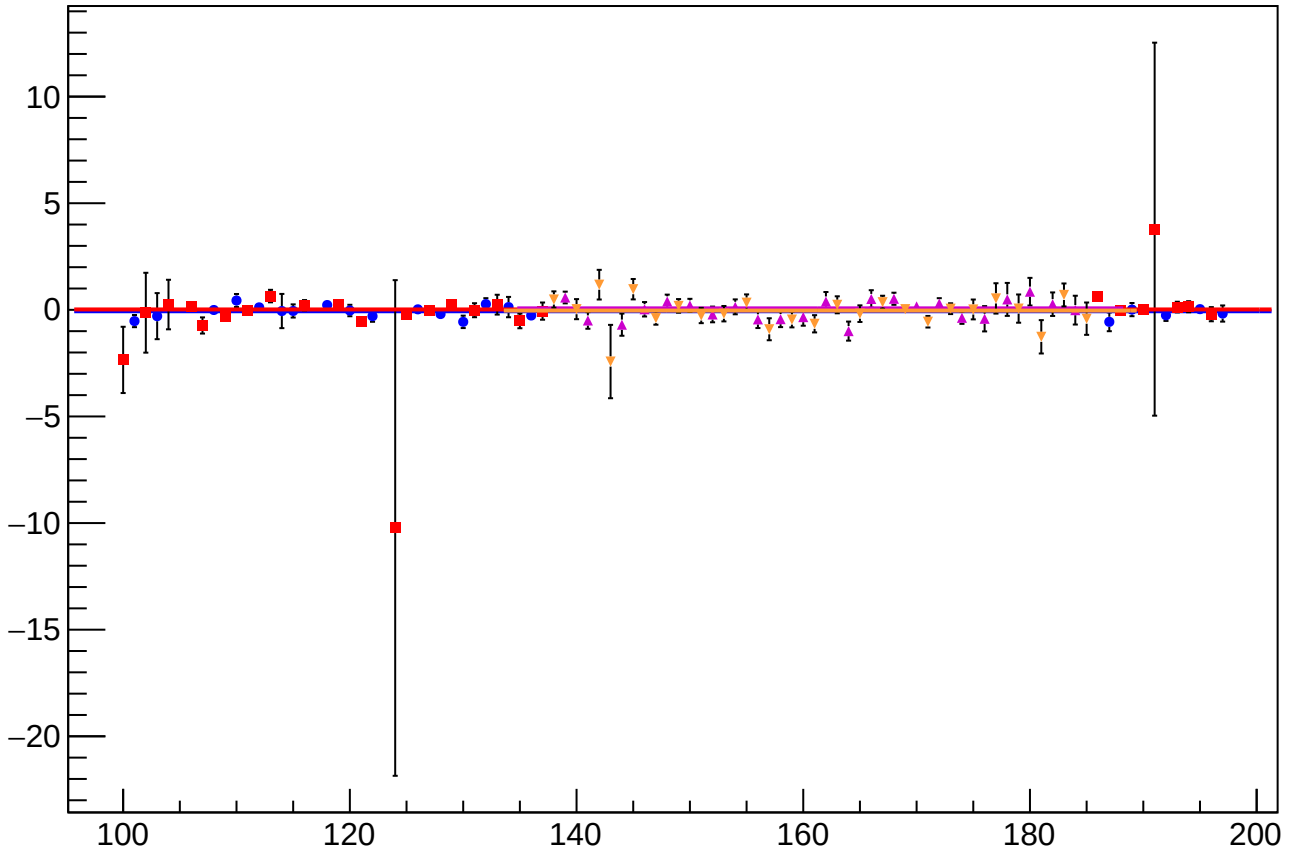
Right Out: 146.659+/-0.035 χ^2/NDF: 3846913.5/25

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 229.432+/-0.033 χ^2/NDF: 9927607.0/45

All: 209.119+/-0.022 χ^2/NDF: 23273685.8/94

- sign 193.651+/-0.029 χ^2/NDF: 12692202.2/48



Right In: -0.066+/-0.060 χ^2/NDF: 17.0/20

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

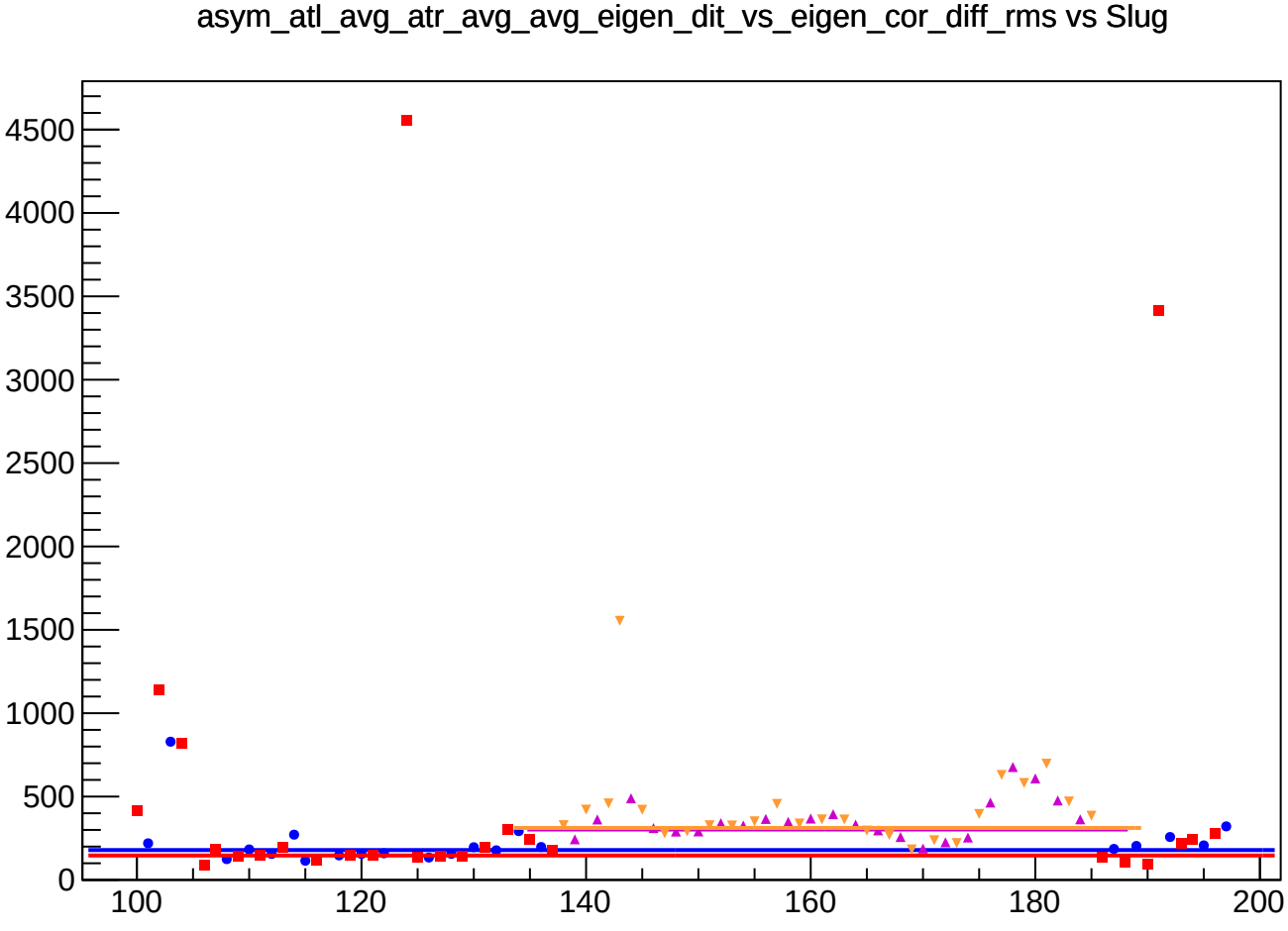
Right Out: 0.018+/-0.049 χ^2/NDF: 36.2/25

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.054+/-0.047 χ^2/NDF: 49.6/45

All: -0.004+/-0.031 χ^2/NDF: 118.1/94

- sign 0.034+/-0.041 χ^2/NDF: 66.5/48



Right In: 179.246+/-0.042 χ^2/NDF: 1851102.1/20

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

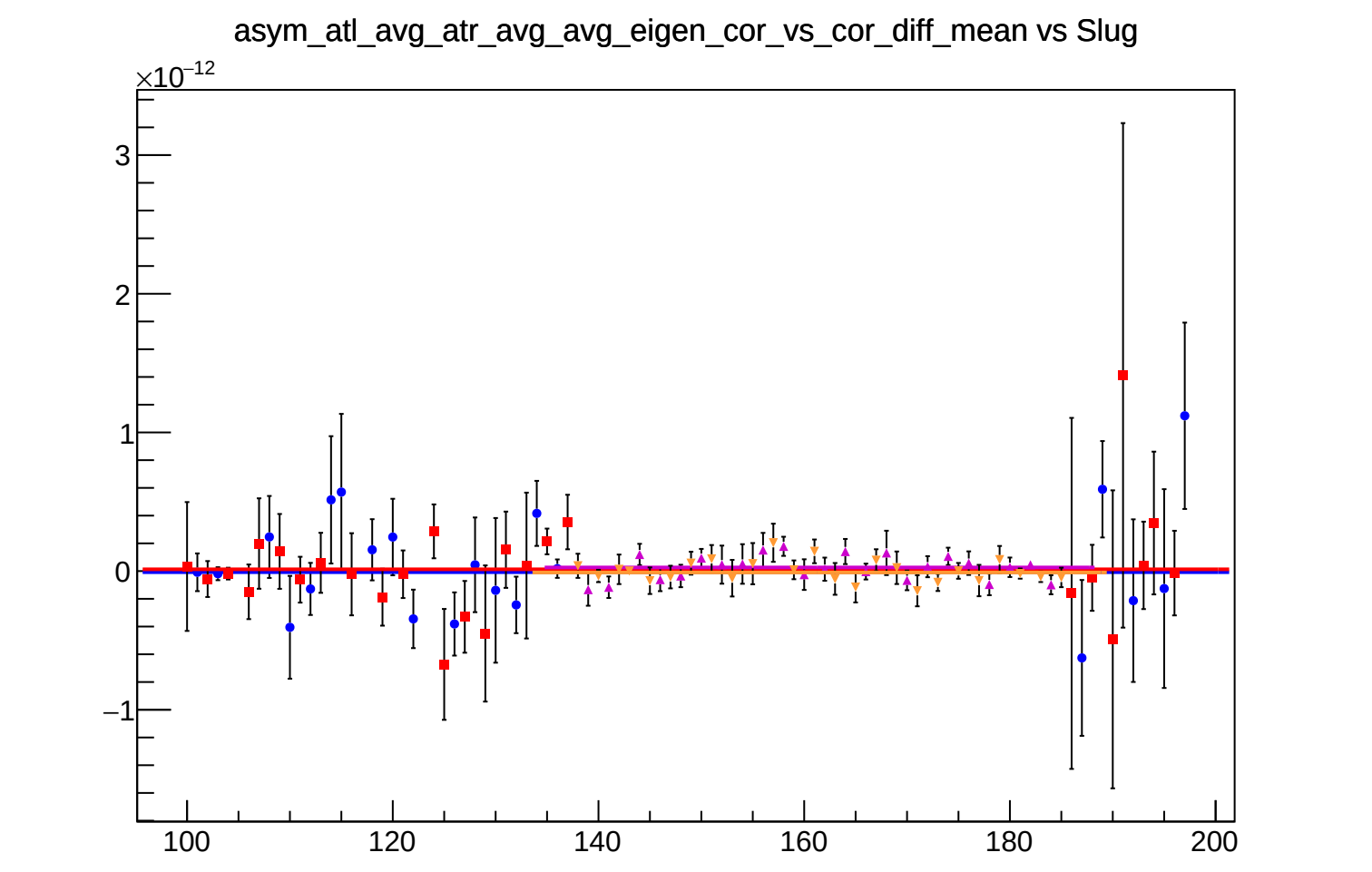
Right Out: 146.659+/-0.035 χ^2/NDF: 3846913.5/25

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 229.432+/-0.033 χ^2/NDF: 9927607.0/45

All: 209.119+/-0.022 χ^2/NDF: 23273685.8/94

- sign 193.651+/-0.029 χ^2/NDF: 12692202.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

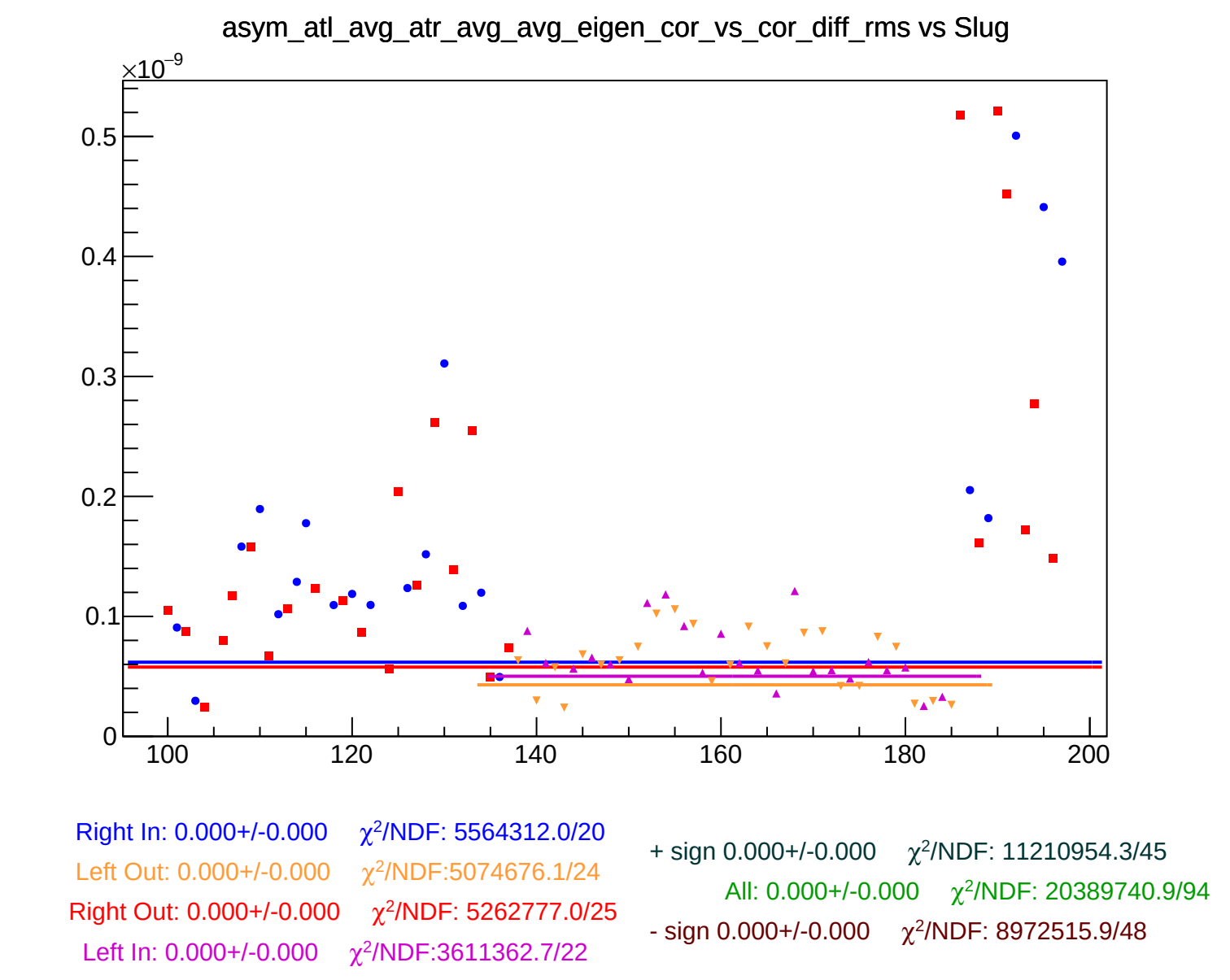
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/25

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

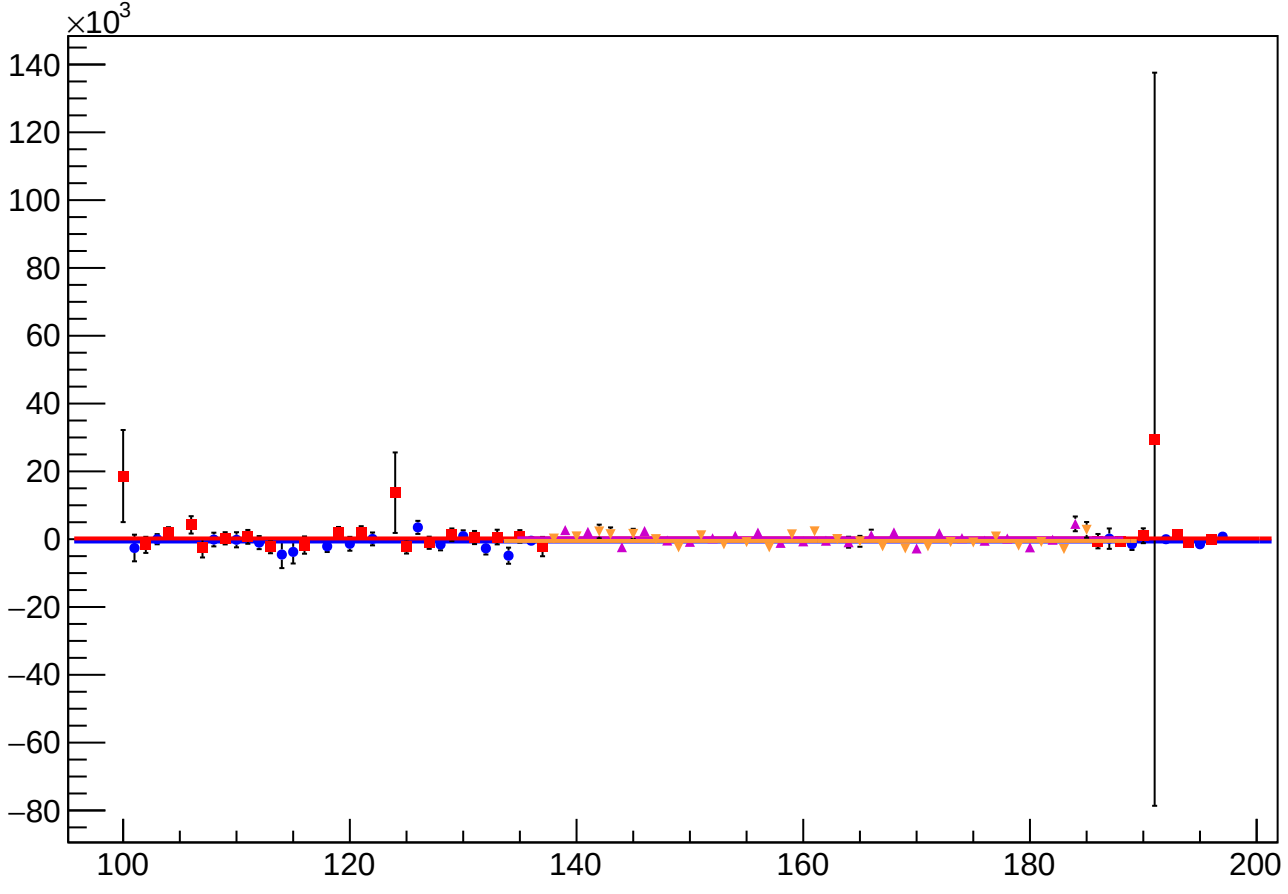
+ sign -0.000+/-0.000 χ^2/NDF: 39.5/45

All: 0.000+/-0.000 χ^2/NDF: 90.7/94

- sign 0.000+/-0.000 χ^2/NDF: 48.0/48


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 5564312.0/20
Left Out: 0.000+/-0.000 χ²/NDF:5074676.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 5262777.0/25
Left In: 0.000+/-0.000 χ²/NDF:3611362.7/22
+ sign 0.000+/-0.000 χ²/NDF: 11210954.3/45
All: 0.000+/-0.000 χ²/NDF: 20389740.9/94
- sign 0.000+/-0.000 χ²/NDF: 8972515.9/48

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -677.271+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 213.109+/-385.476 χ^2/NDF: 17.9/25

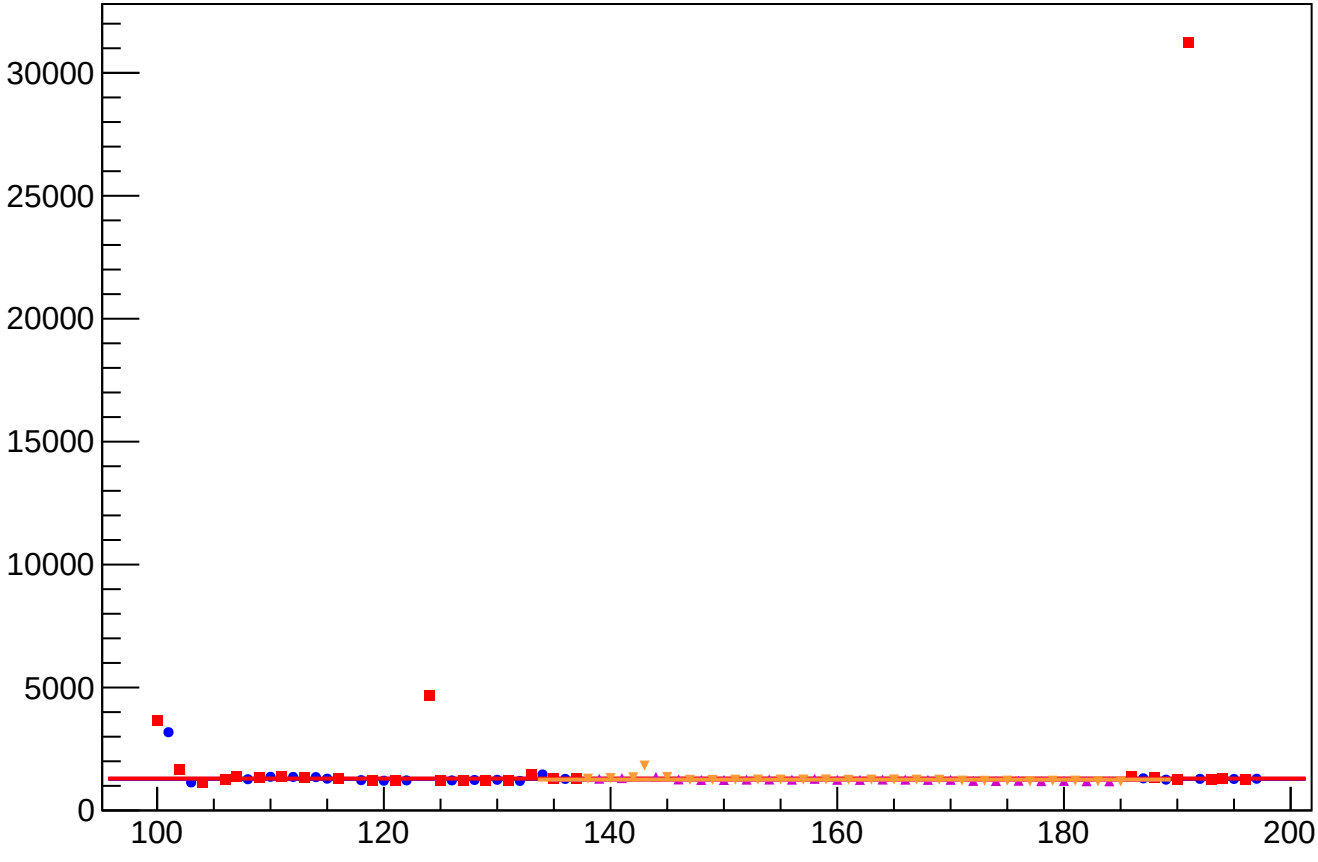
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -569.755+/-232.386 χ^2/NDF: 46.5/45

All: -168.821+/-164.304 χ^2/NDF: 102.4/94

- sign 231.941+/-232.336 χ^2/NDF: 49.9/48

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.434+/-0.282 χ^2/NDF: 518993.6/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

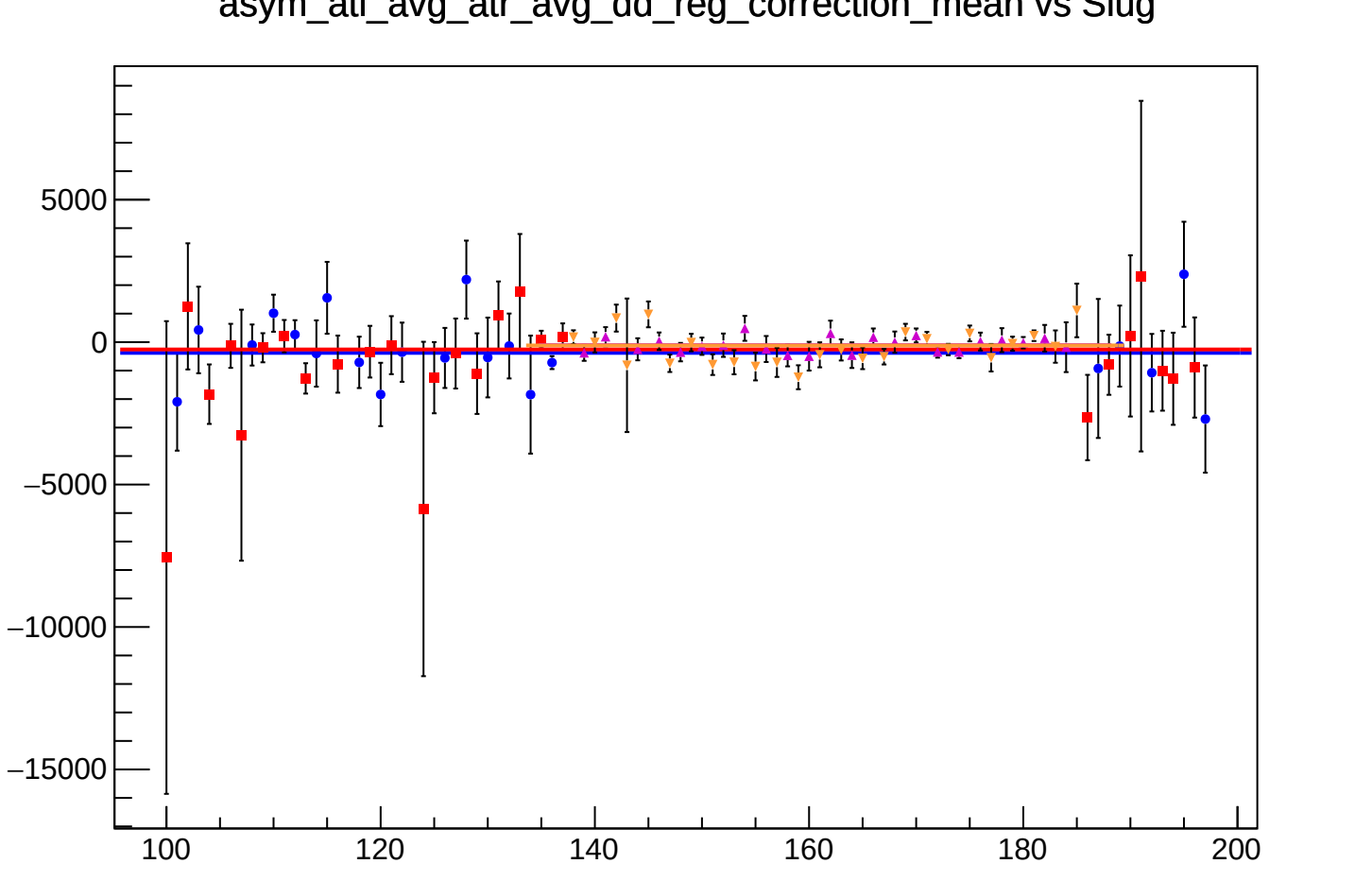
Right Out: 1297.535+/-0.273 χ^2/NDF: 489716.0/25

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.333+/-0.164 χ^2/NDF: 729063.6/45

All: 1265.140+/-0.116 χ^2/NDF: 1281088.2/94

- sign 1264.947+/-0.164 χ^2/NDF: 552021.8/48



Right In: -377.798+/-164.124 χ^2/NDF: 22.3/20

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

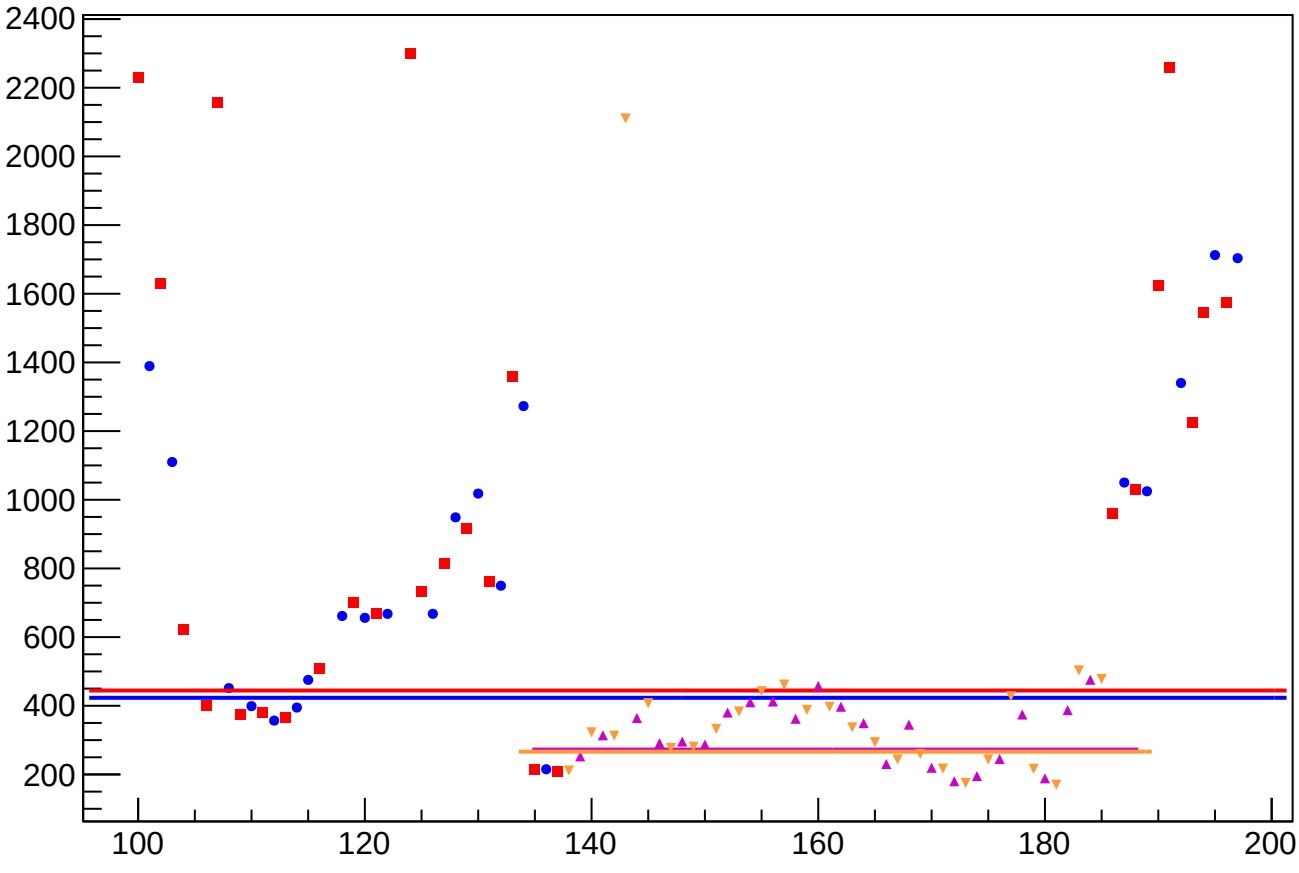
Right Out: -257.908+/-163.331 χ^2/NDF: 18.6/25

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -152.440+/-60.480 χ^2/NDF: 72.9/45

All: -141.022+/-43.289 χ^2/NDF: 106.1/94

\- sign -129.029+/-61.988 χ^2/NDF: 33.1/48



Right In: 423.254+/-0.116 χ^2/NDF: 7643446.1/20

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

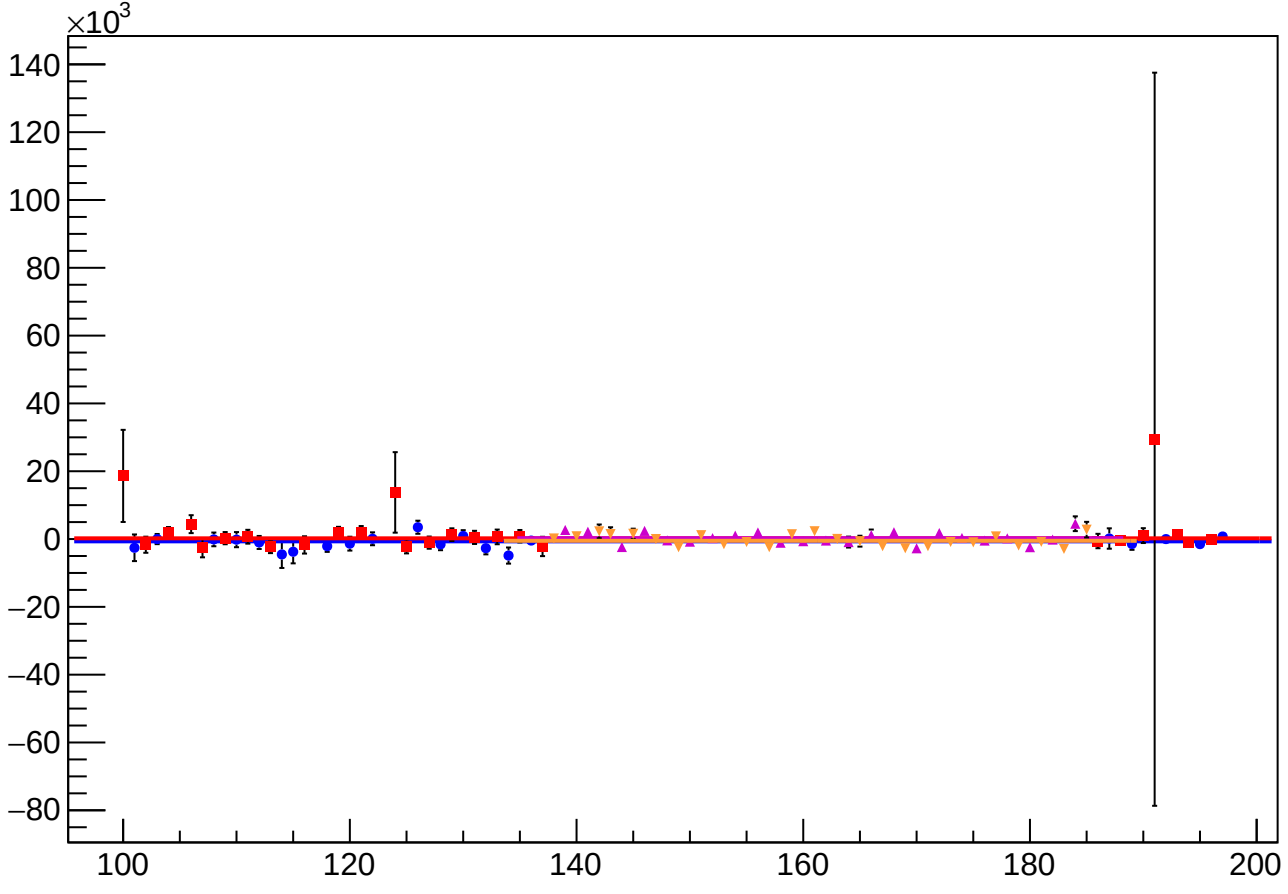
Right Out: 444.463+/-0.115 χ^2/NDF: 8063759.6/25

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 287.632+/-0.043 χ^2/NDF: 13853860.8/45

All: 292.277+/-0.031 χ^2/NDF: 26730215.9/94

- sign 297.156+/-0.044 χ^2/NDF: 12852165.5/48



Right In: -677.045+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 211.269+/-385.737 χ^2/NDF: 18.0/25

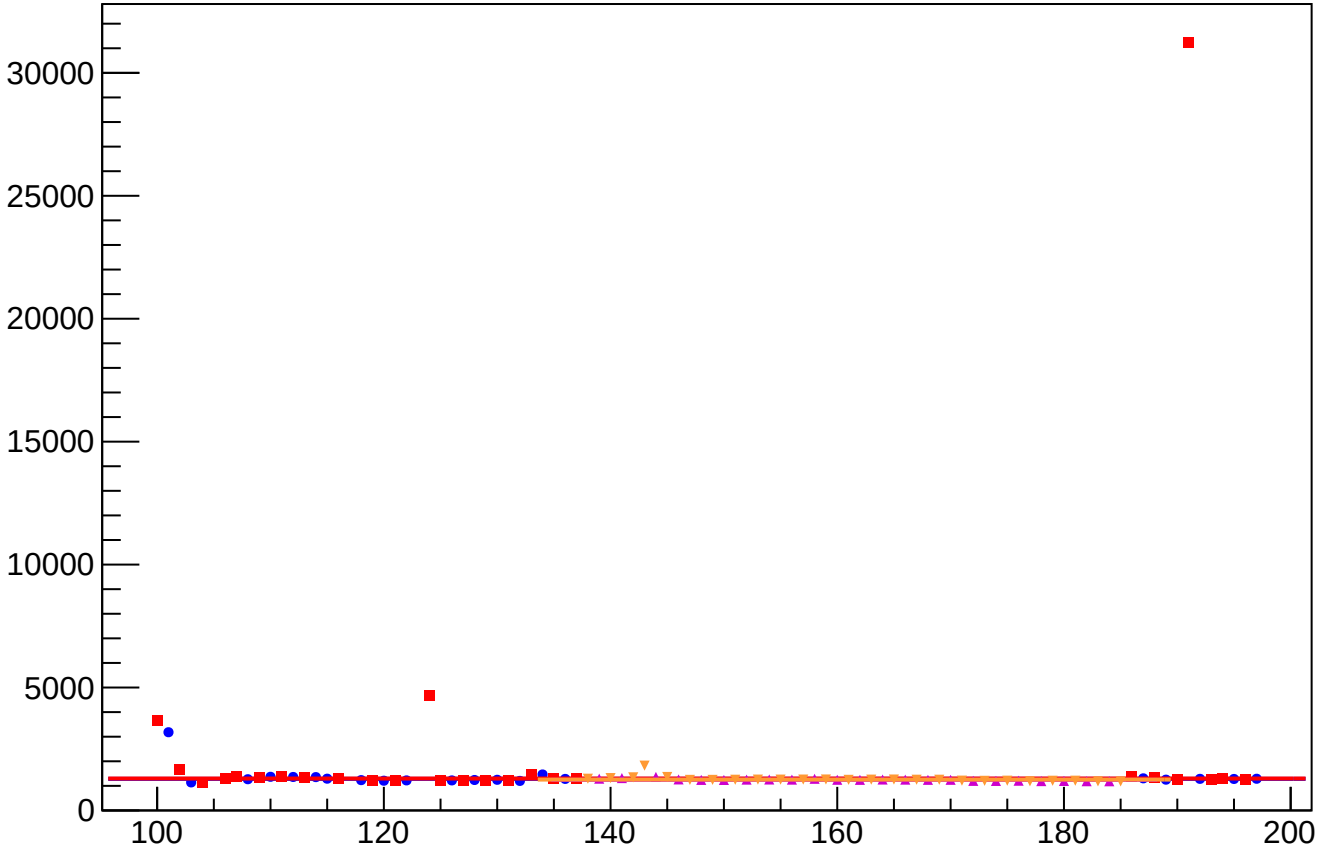
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -569.642+/-232.386 χ^2/NDF: 46.5/45

All: -169.200+/-164.324 χ^2/NDF: 102.4/94

- sign 231.268+/-232.393 χ^2/NDF: 50.0/48

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.434+/-0.282 χ^2/NDF: 518995.1/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

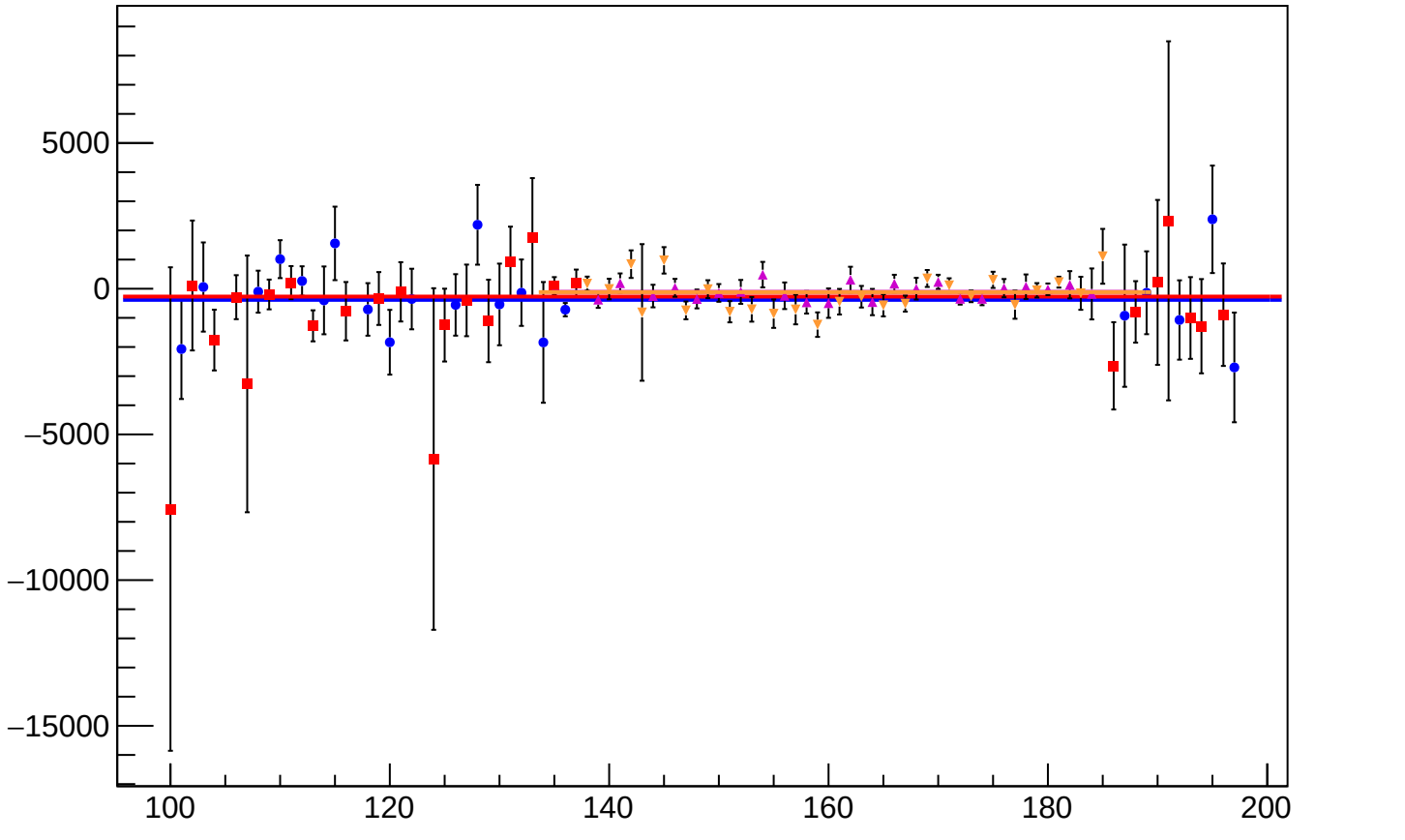
Right Out: 1298.450+/-0.273 χ^2/NDF: 489355.3/25

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.333+/-0.164 χ^2/NDF: 729065.0/45

All: 1265.298+/-0.116 χ^2/NDF: 1281515.8/94

- sign 1265.263+/-0.164 χ^2/NDF: 552450.8/48



Right In: -382.034+/-164.142 χ^2/NDF: 22.0/20

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -270.006+/-163.154 χ^2/NDF: 18.0/25

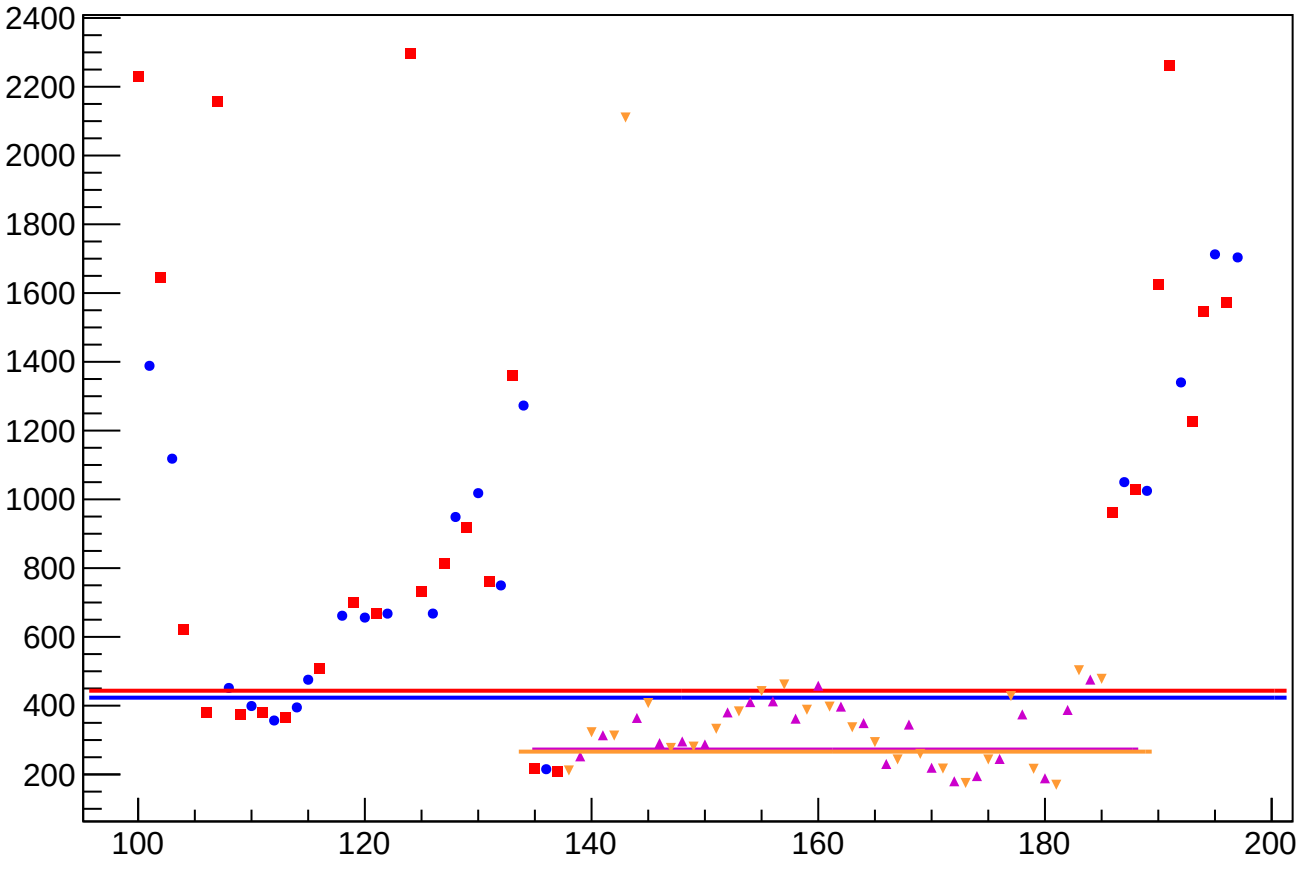
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -152.987+/-60.482 χ^2/NDF: 72.7/45

All: -142.221+/-43.287 χ^2/NDF: 105.4/94

- sign -130.917+/-61.980 χ^2/NDF: 32.6/48

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 423.256+/-0.116 χ^2/NDF: 7646616.4/20

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

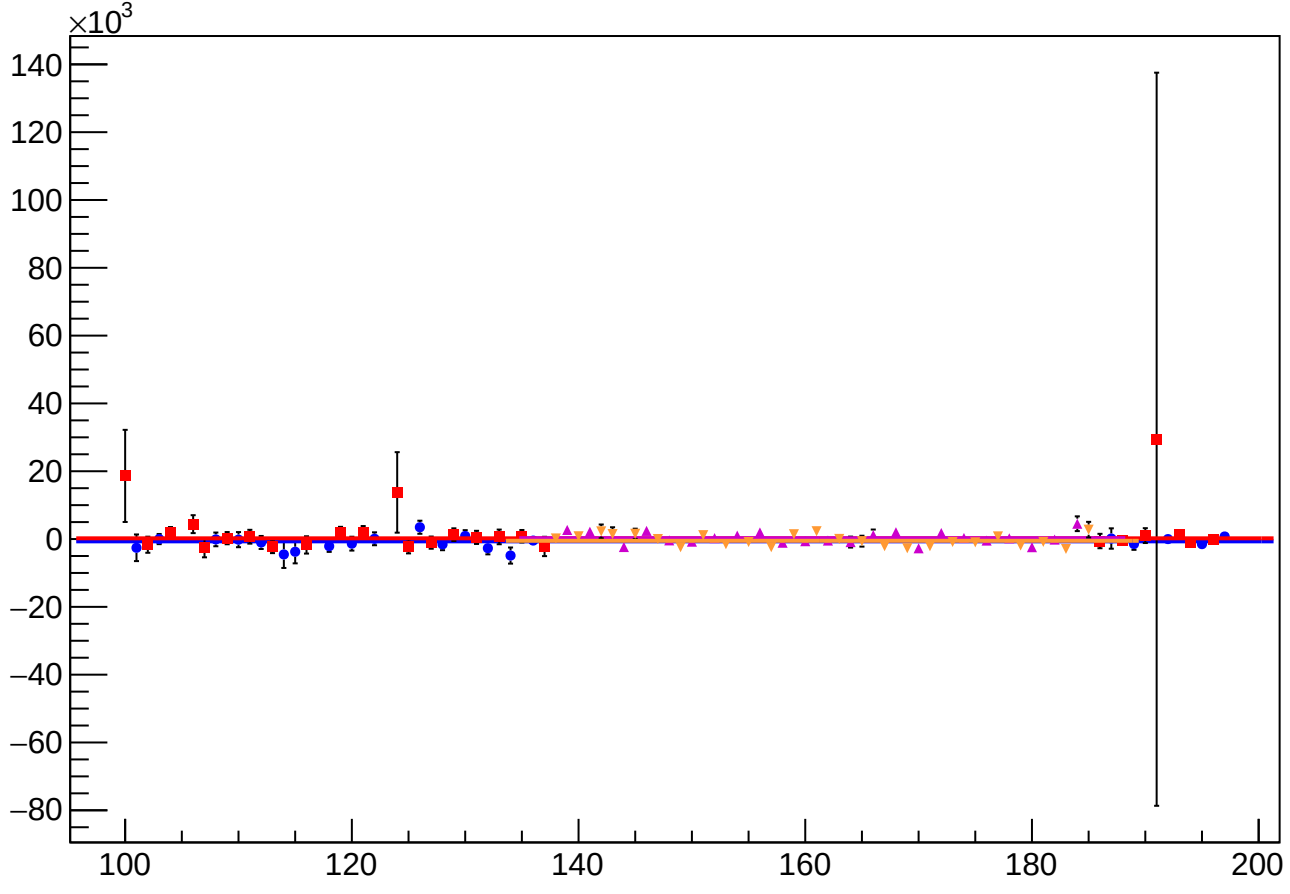
Right Out: 443.459+/-0.115 χ^2/NDF: 8078000.3/25

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 287.634+/-0.043 χ^2/NDF: 13856682.1/45

All: 292.235+/-0.031 χ^2/NDF: 26727736.2/94

- sign 297.067+/-0.044 χ^2/NDF: 12847322.9/48



Right In: -677.045+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 211.269+/-385.737 χ^2/NDF: 18.0/25

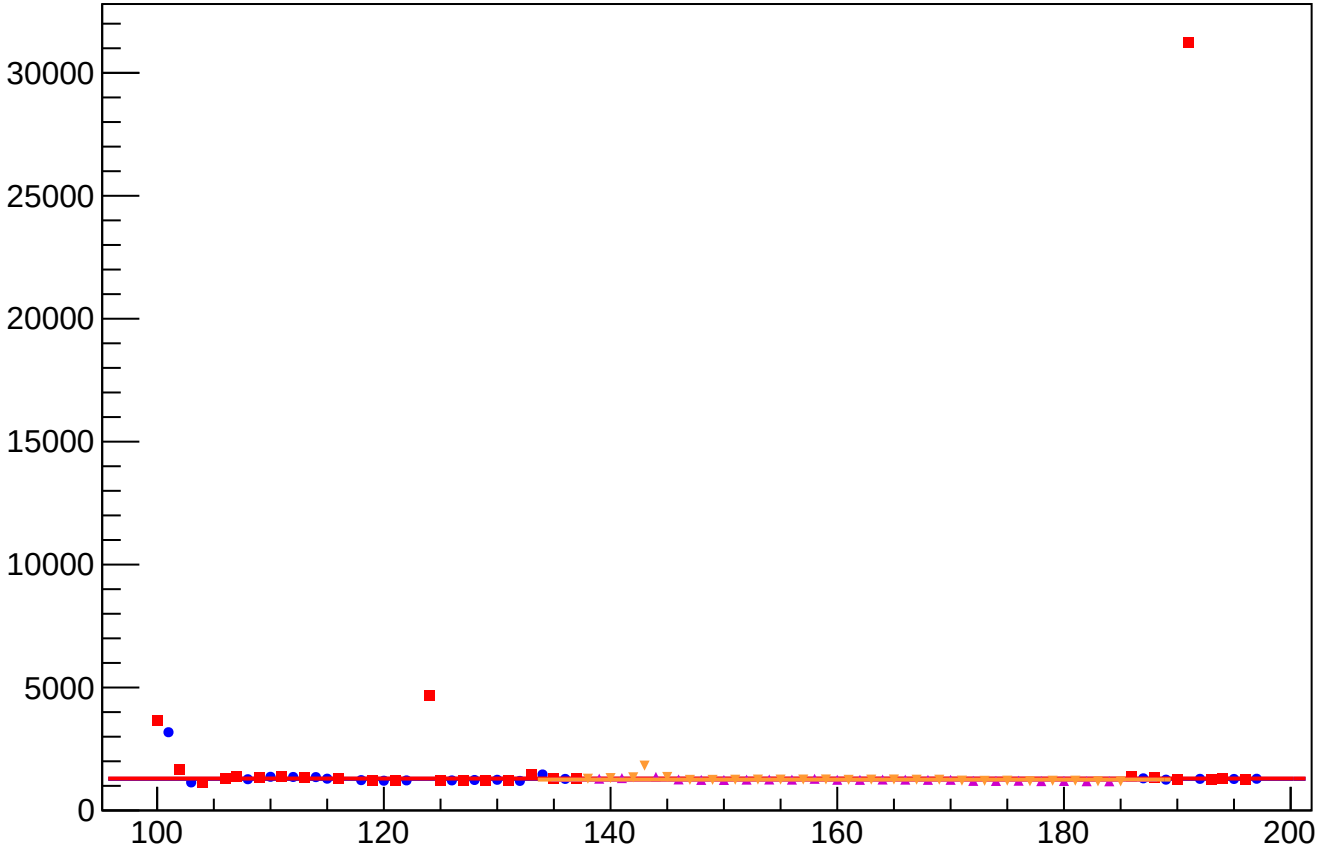
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -569.642+/-232.386 χ^2/NDF: 46.5/45

All: -169.200+/-164.324 χ^2/NDF: 102.4/94

- sign 231.268+/-232.393 χ^2/NDF: 50.0/48

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.434+/-0.282 χ^2/NDF: 518995.1/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

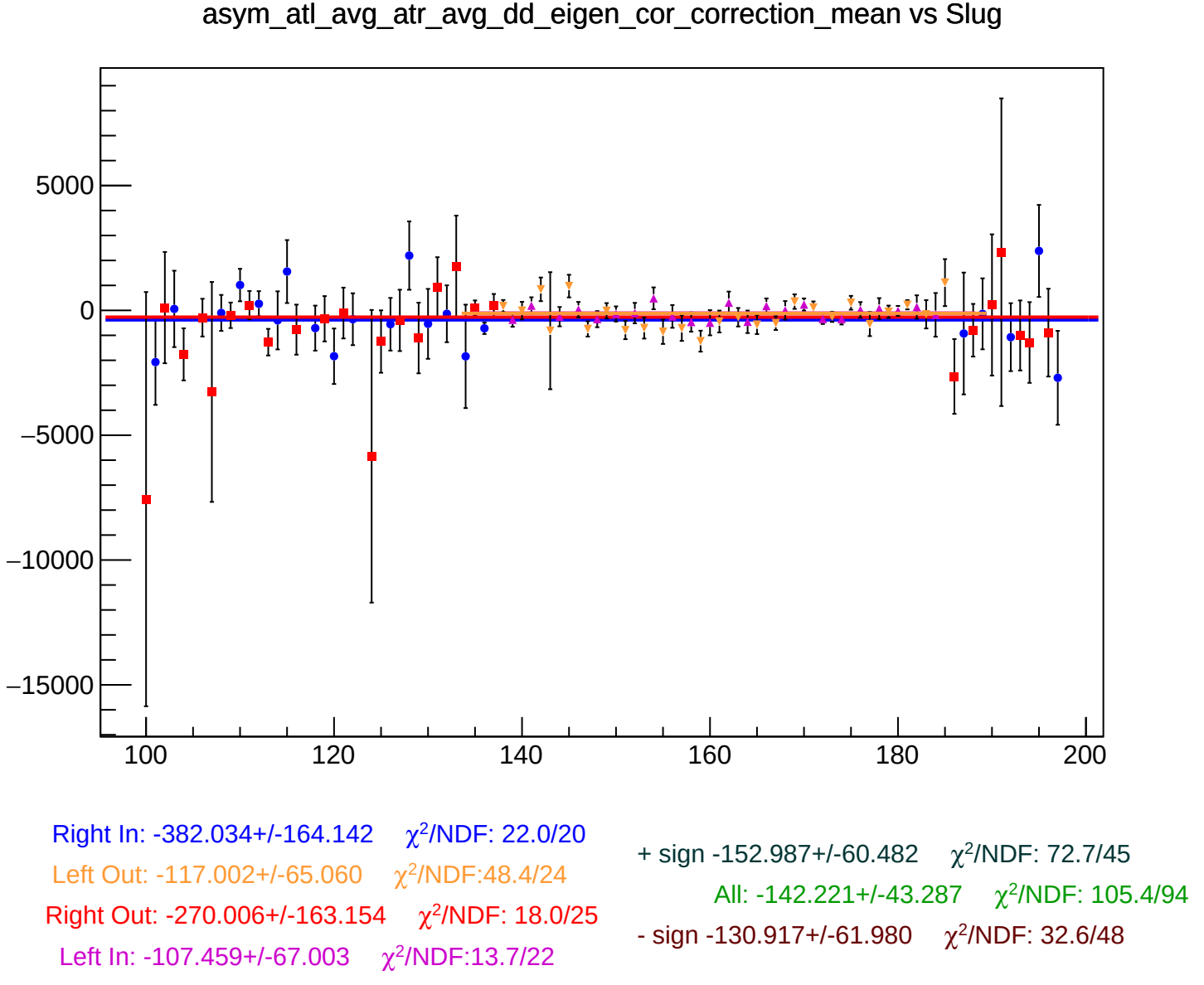
Right Out: 1298.450+/-0.273 χ^2/NDF: 489355.3/25

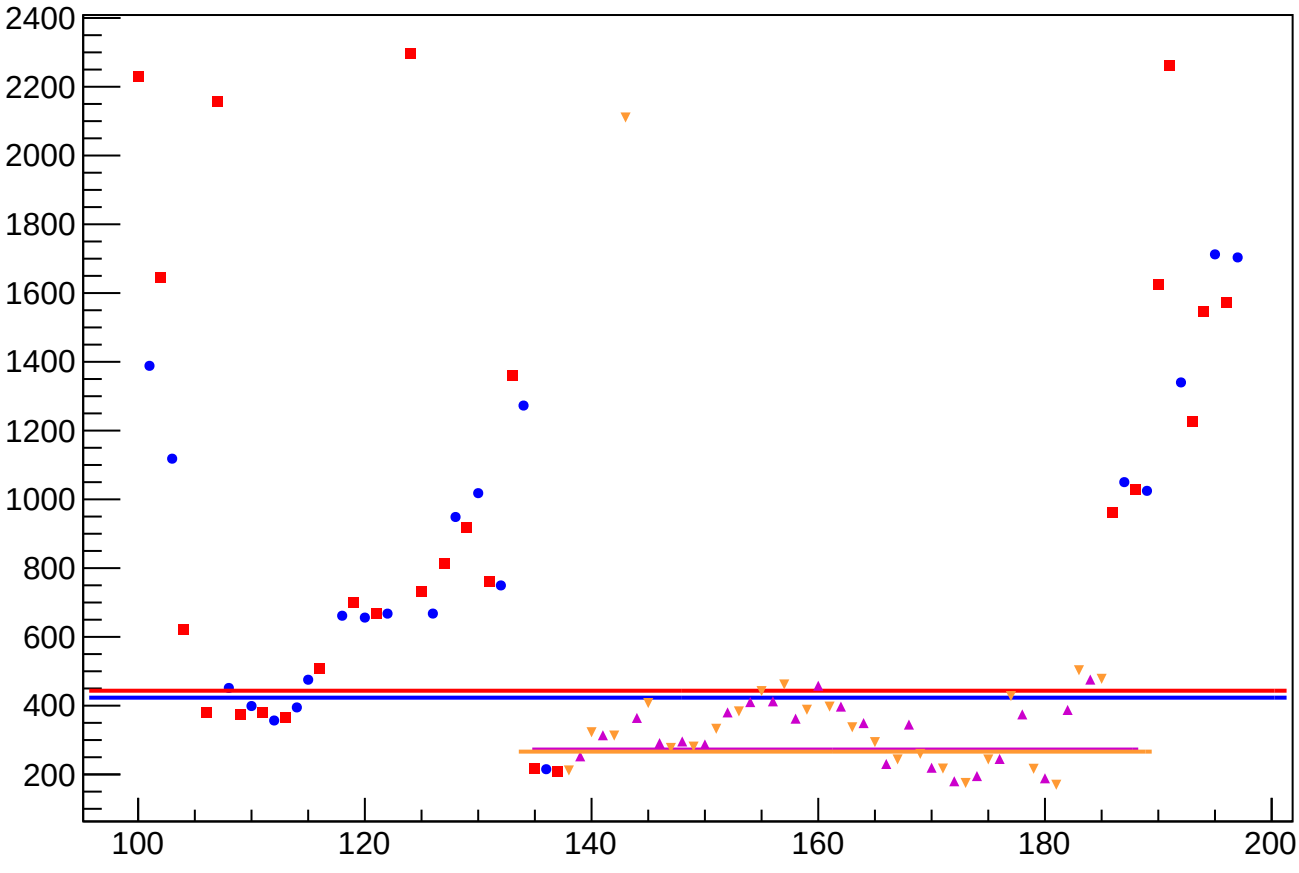
Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.333+/-0.164 χ^2/NDF: 729065.0/45

All: 1265.298+/-0.116 χ^2/NDF: 1281515.8/94

- sign 1265.263+/-0.164 χ^2/NDF: 552450.8/48


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -382.034+/-164.142 χ²/NDF: 22.0/20
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -270.006+/-163.154 χ²/NDF: 18.0/25
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -152.987+/-60.482 χ²/NDF: 72.7/45
All: -142.221+/-43.287 χ²/NDF: 105.4/94
- sign -130.917+/-61.980 χ²/NDF: 32.6/48



Right In: 423.256+/-0.116 χ^2/NDF: 7646616.4/20

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 443.459+/-0.115 χ^2/NDF: 8078000.3/25

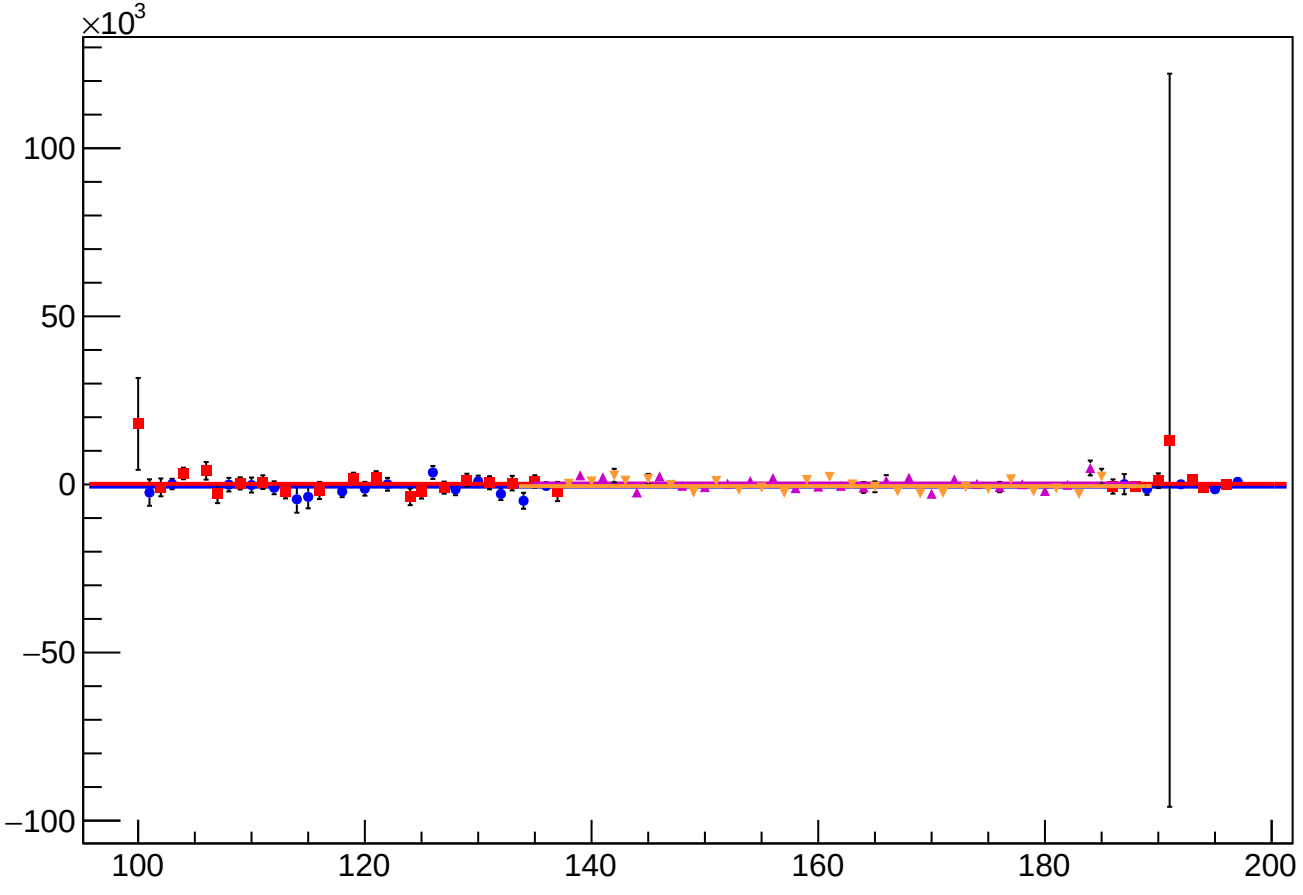
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 287.634+/-0.043 χ^2/NDF: 13856682.1/45

All: 292.235+/-0.031 χ^2/NDF: 26727736.2/94

- sign 297.067+/-0.044 χ^2/NDF: 12847322.9/48

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -643.797+/-400.384 χ^2/NDF: 15.5/20

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 182.310+/-384.109 χ^2/NDF: 19.9/25

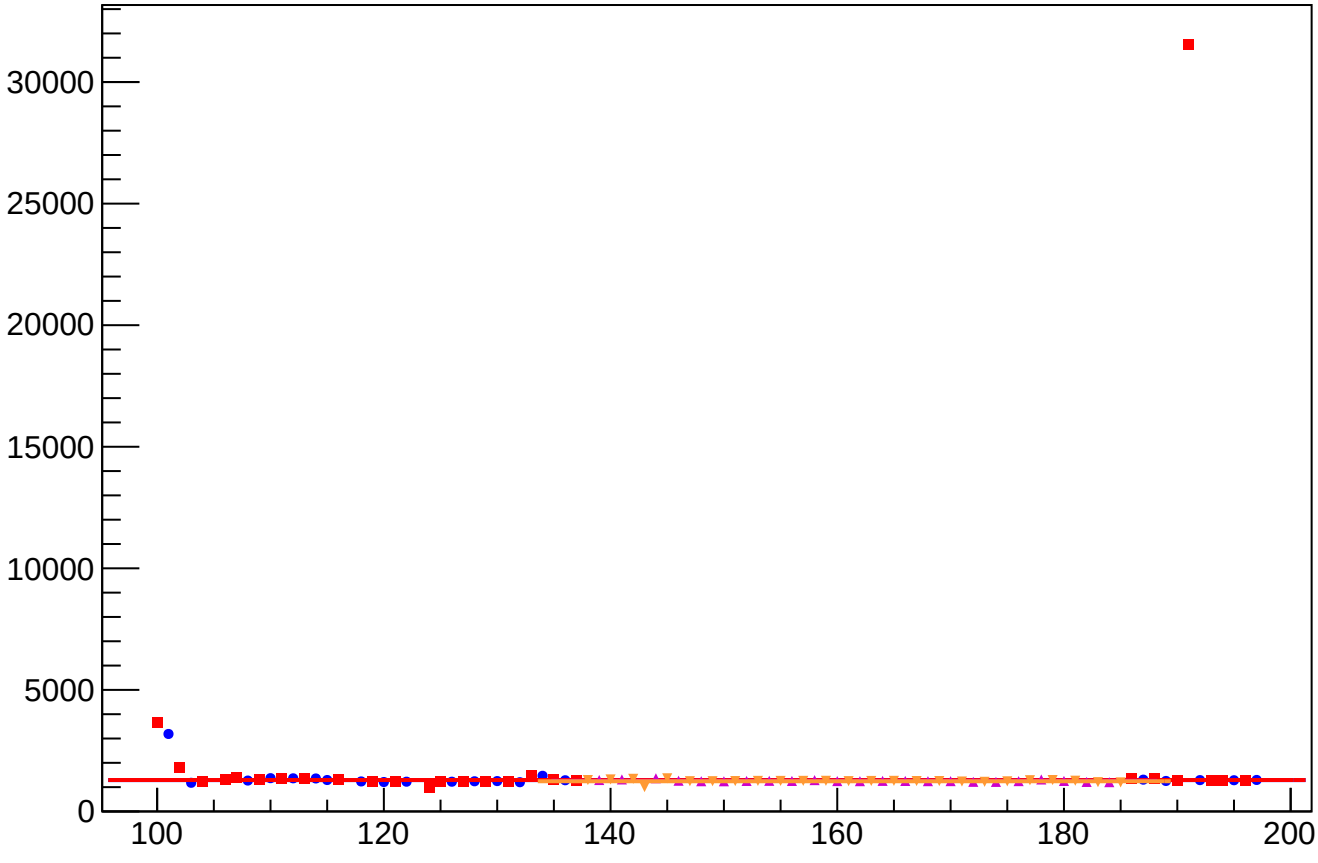
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -543.466+/-230.955 χ^2/NDF: 49.8/45

All: -166.172+/-164.248 χ^2/NDF: 105.8/94

- sign 219.919+/-233.632 χ^2/NDF: 50.6/48

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1289.662+/-0.283 χ^2/NDF: 510429.5/20

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

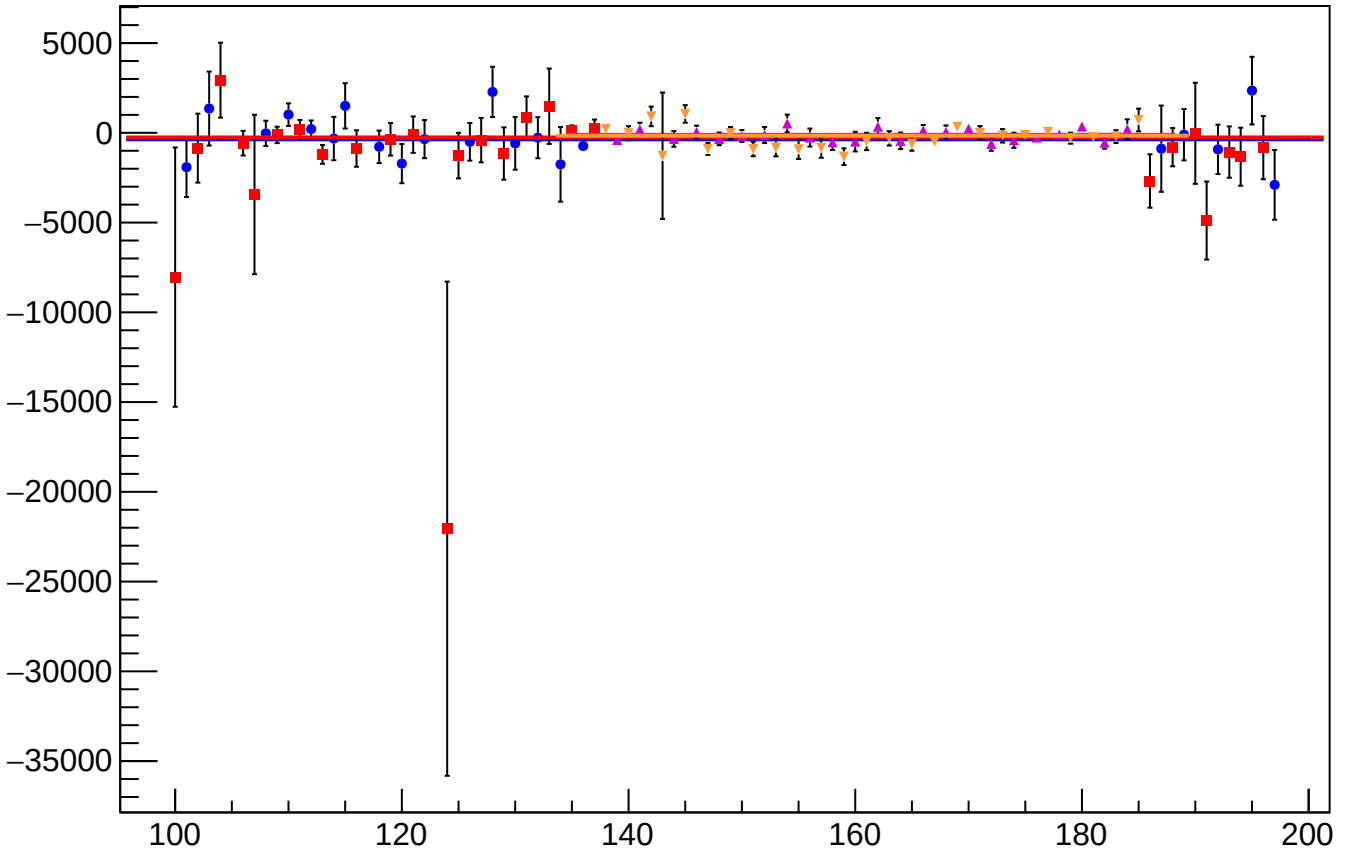
Right Out: 1293.260+/-0.272 χ^2/NDF: 372145.0/25

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

\+ sign 1258.219+/-0.163 χ^2/NDF: 658938.6/45

All: 1265.210+/-0.116 χ^2/NDF: 1072118.5/94

\- sign 1272.364+/-0.165 χ^2/NDF: 409472.0/48



Right In: -360.180+/-165.861 χ^2/NDF: 22.5/20

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

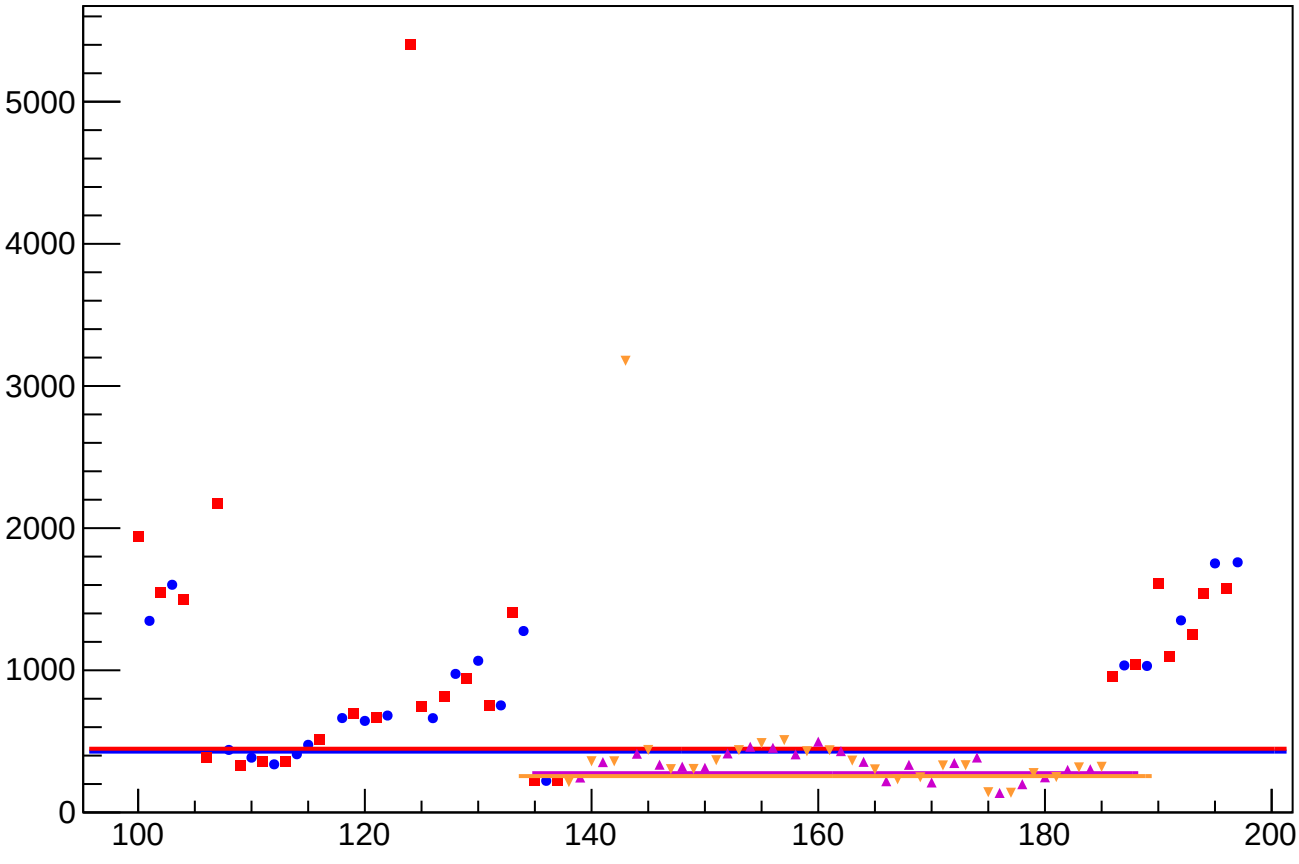
Right Out: -258.972+/-163.075 χ^2/NDF: 24.5/25

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.845+/-59.817 χ^2/NDF: 67.5/45

All: -162.763+/-43.515 χ^2/NDF: 111.2/94

- sign -135.691+/-63.421 χ^2/NDF: 43.4/48



Right In: 427.945+/-0.117 χ^2/NDF: 7778236.2/20

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

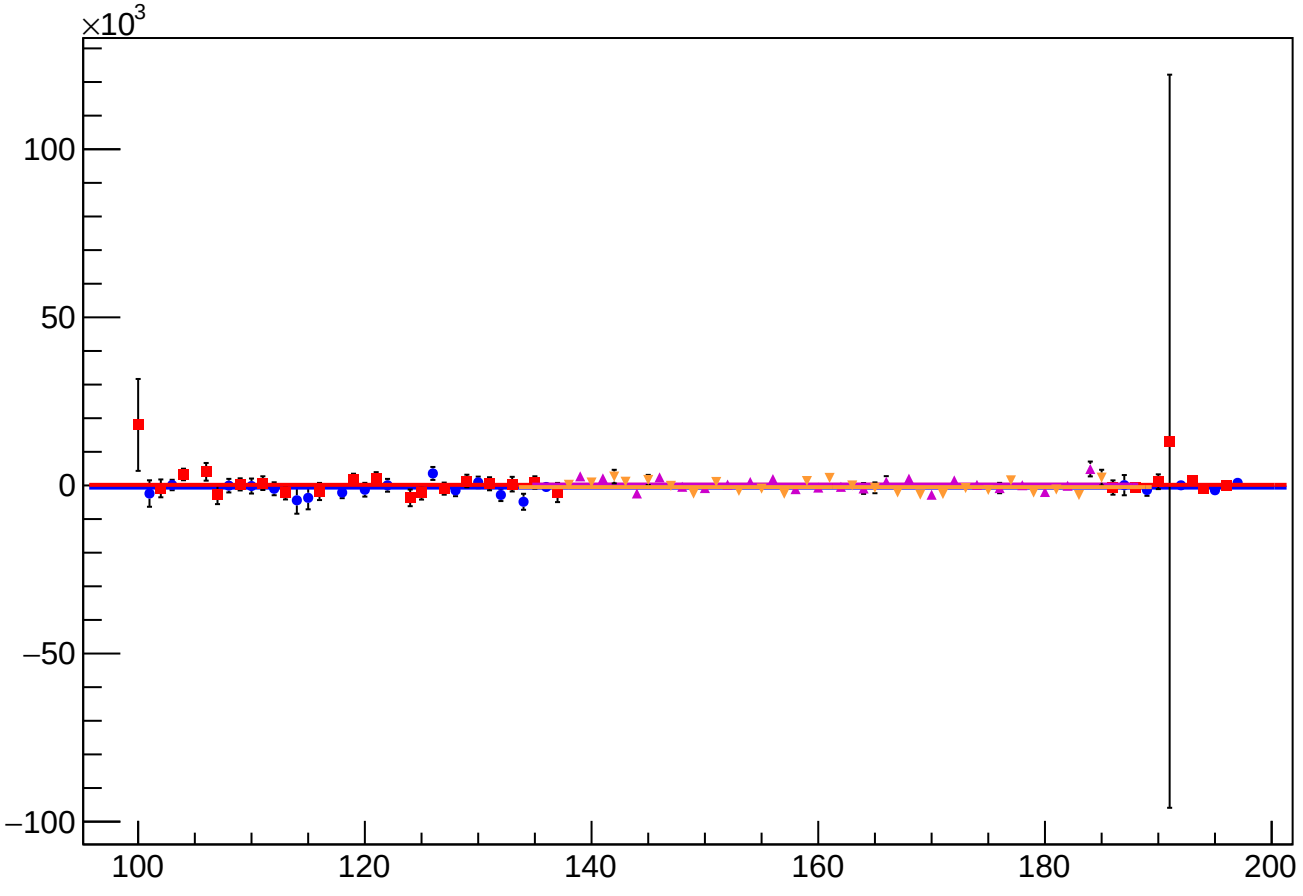
Right Out: 448.288+/-0.115 χ^2/NDF: 8581502.2/25

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 278.162+/-0.042 χ^2/NDF: 16027073.1/45

All: 289.531+/-0.031 χ^2/NDF: 30677621.4/94

- sign 302.312+/-0.045 χ^2/NDF: 14497080.6/48



Right In: -643.798+/-400.384 χ^2/NDF: 15.5/20

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 182.309+/-384.109 χ^2/NDF: 19.9/25

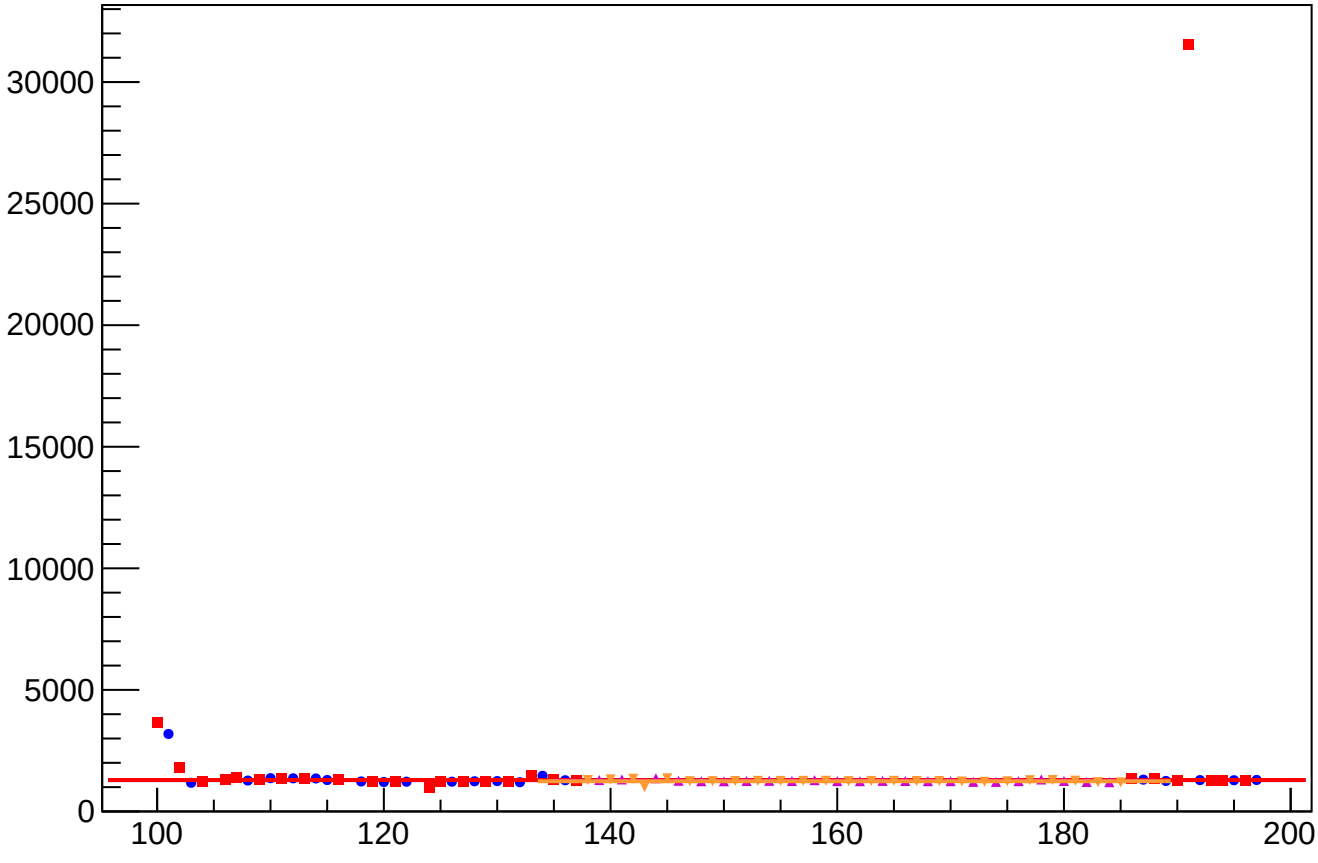
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -543.466+/-230.955 χ^2/NDF: 49.8/45

All: -166.172+/-164.248 χ^2/NDF: 105.8/94

- sign 219.919+/-233.632 χ^2/NDF: 50.6/48

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1289.662+/-0.283 χ^2/NDF: 510429.5/20

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

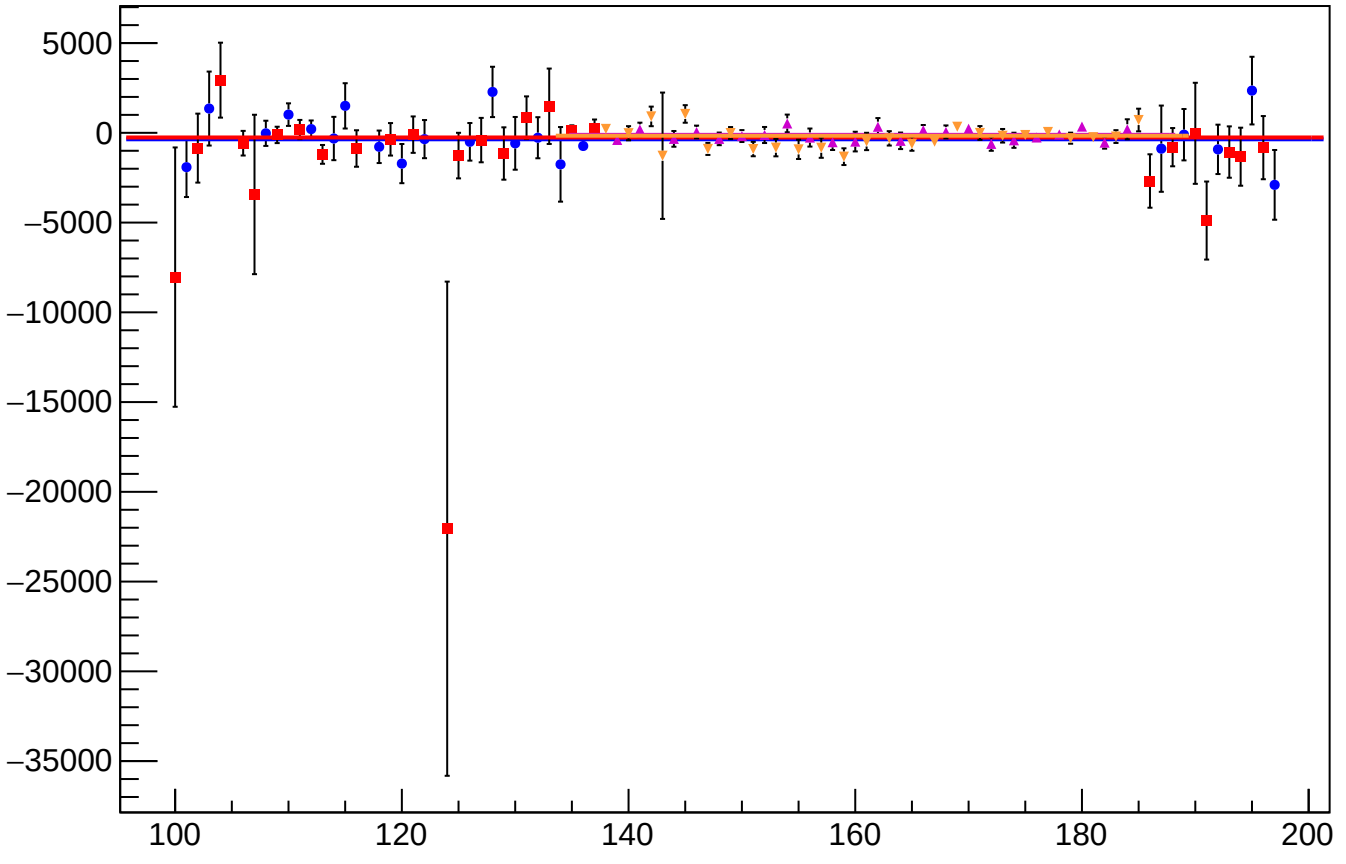
Right Out: 1293.260+/-0.272 χ^2/NDF: 372145.3/25

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.219+/-0.163 χ^2/NDF: 658937.7/45

All: 1265.210+/-0.116 χ^2/NDF: 1072117.9/94

- sign 1272.364+/-0.165 χ^2/NDF: 409472.3/48



Right In: -360.181+/-165.864 χ^2/NDF: 22.5/20

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

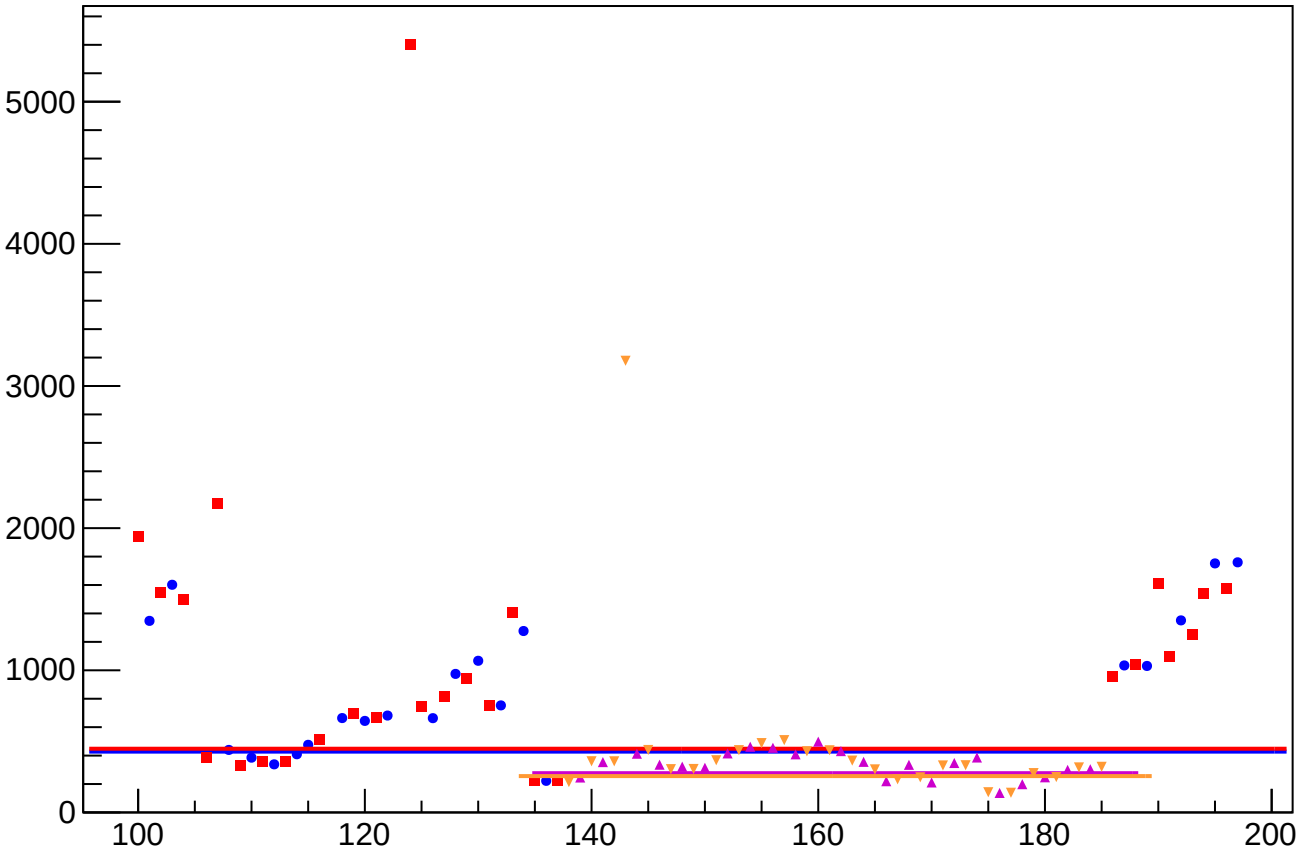
Right Out: -258.980+/-163.077 χ^2/NDF: 24.5/25

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.847+/-59.817 χ^2/NDF: 67.5/45

All: -162.764+/-43.515 χ^2/NDF: 111.2/94

- sign -135.690+/-63.421 χ^2/NDF: 43.4/48



Right In: 427.956+/-0.117 χ^2/NDF: 7777980.4/20

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 448.297+/-0.115 χ^2/NDF: 8581282.1/25

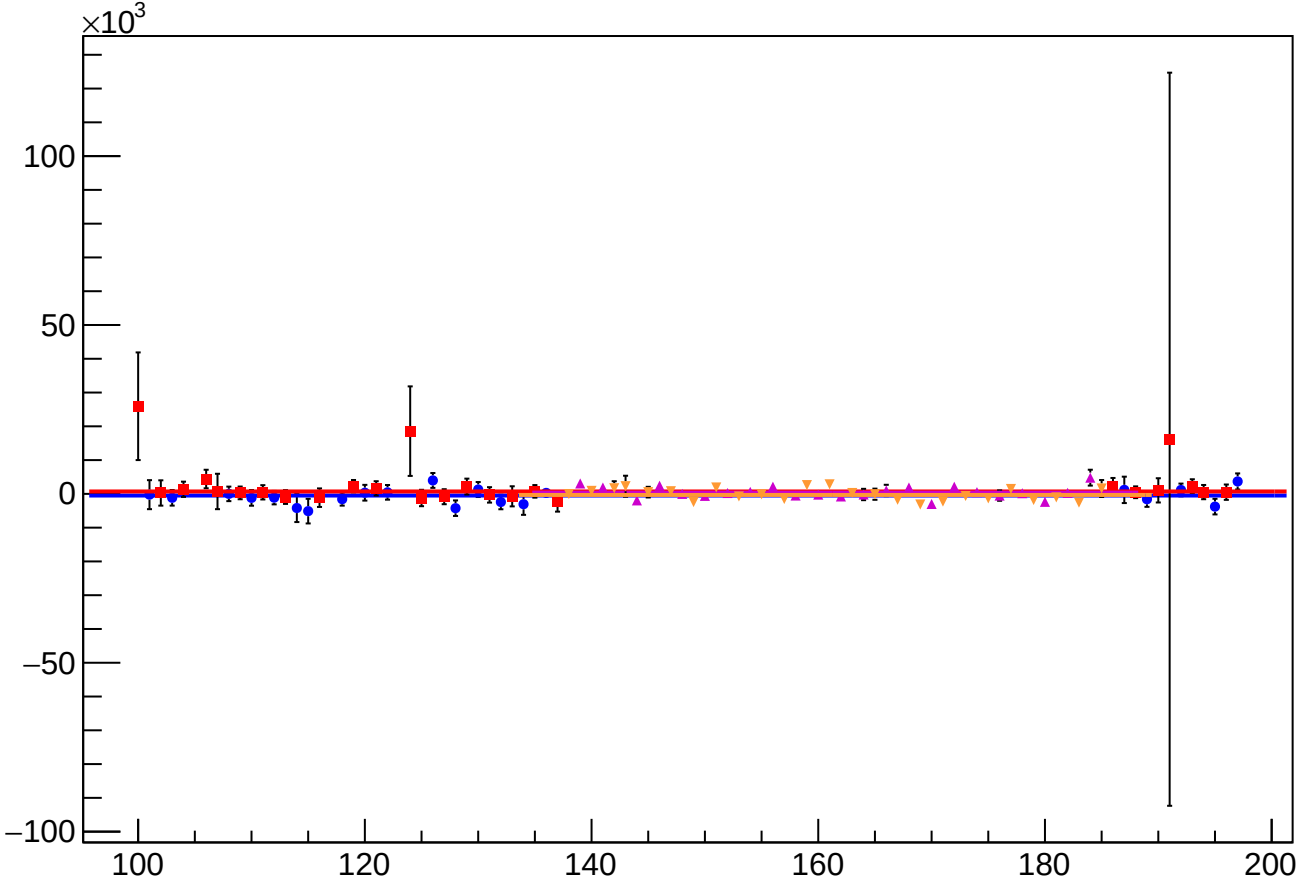
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 278.164+/-0.042 χ^2/NDF: 16026876.4/45

All: 289.533+/-0.031 χ^2/NDF: 30677296.9/94

- sign 302.313+/-0.045 χ^2/NDF: 14496964.5/48

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -488.681+/-497.145 χ^2/NDF: 18.8/20

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 713.995+/-480.622 χ^2/NDF: 12.4/25

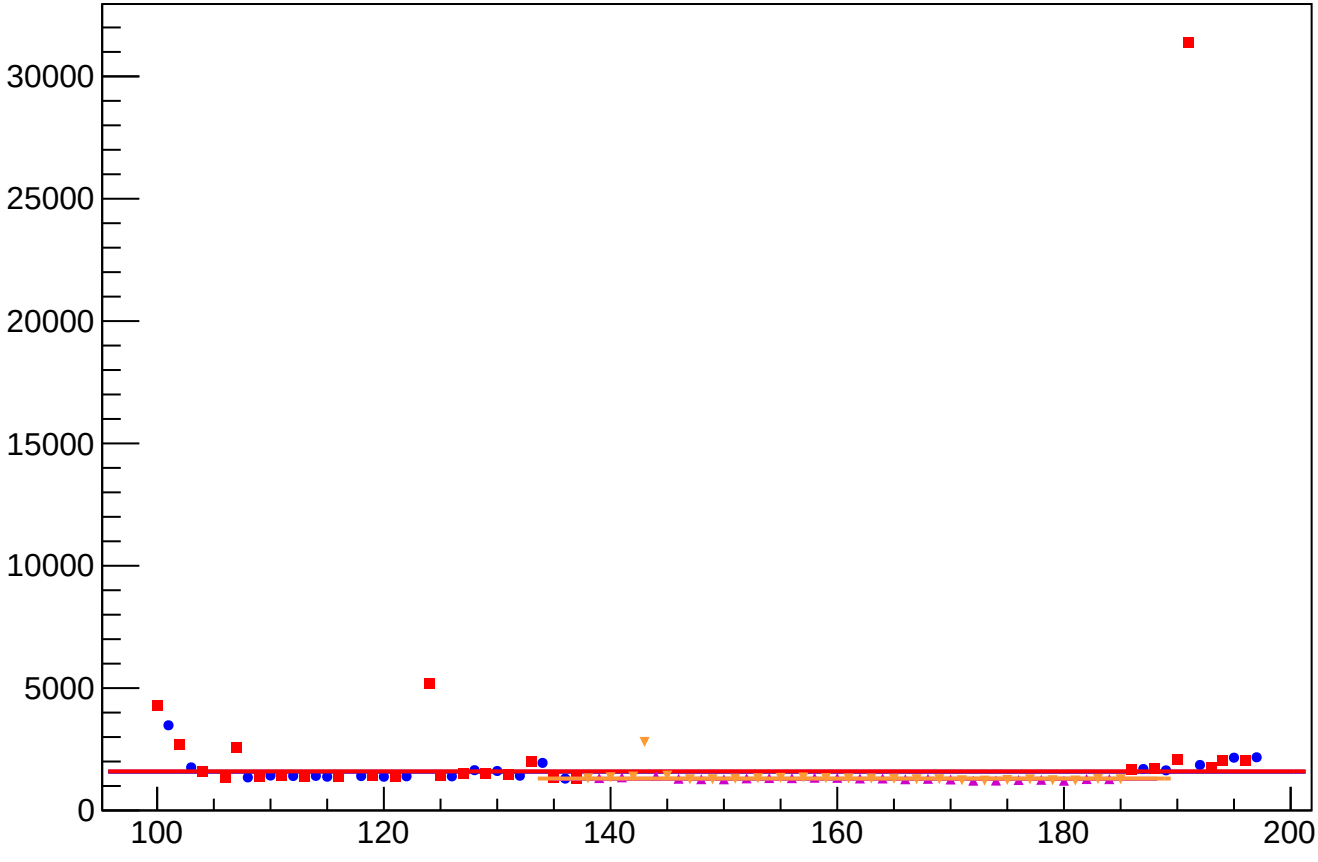
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -364.459+/-255.769 χ^2/NDF: 50.5/45

All: 46.744+/-180.814 χ^2/NDF: 98.0/94

- sign 457.566+/-255.650 χ^2/NDF: 42.4/48

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1583.181+/-0.352 χ^2/NDF: 935911.7/20

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

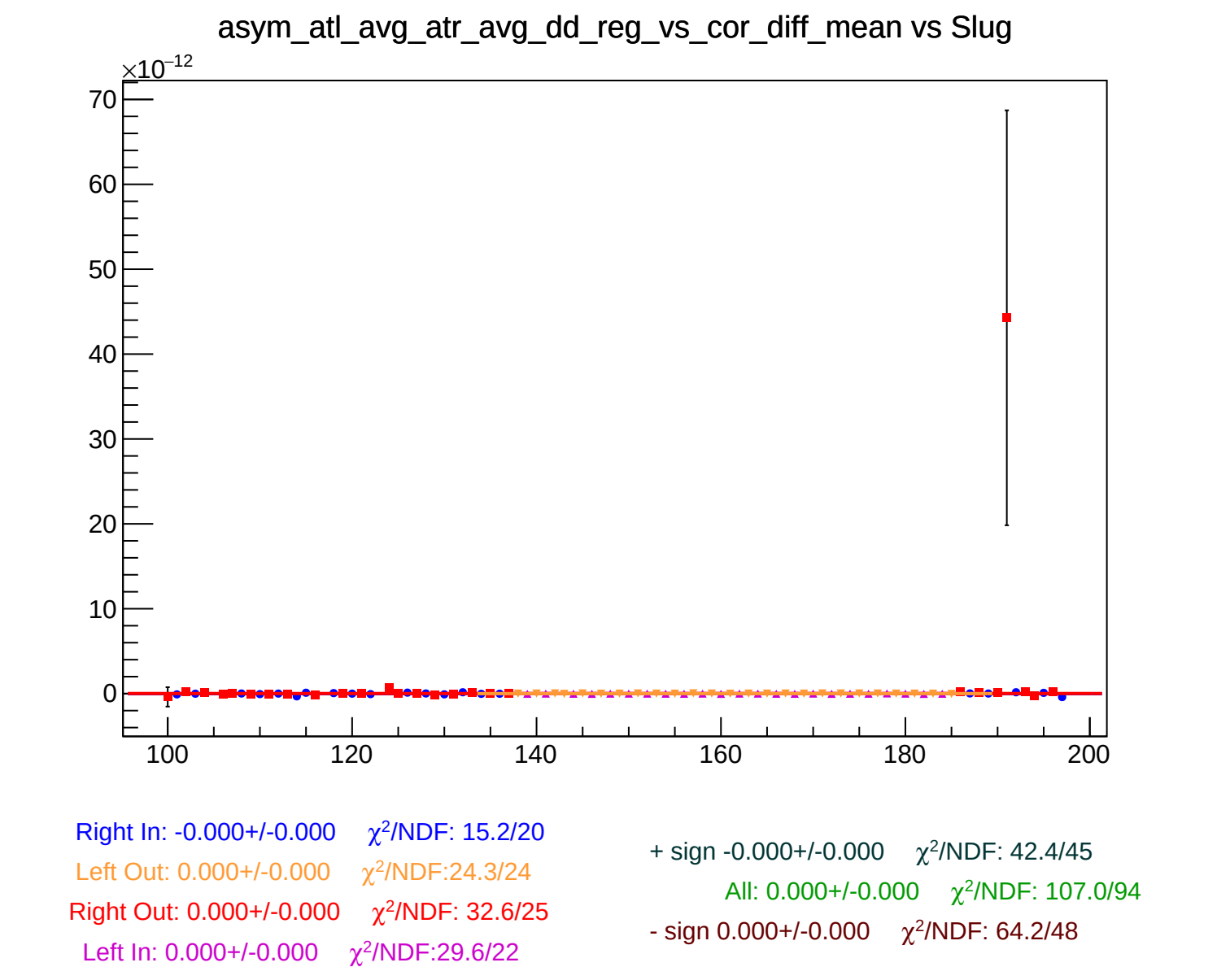
Right Out: 1597.038+/-0.340 χ^2/NDF: 1056041.4/25

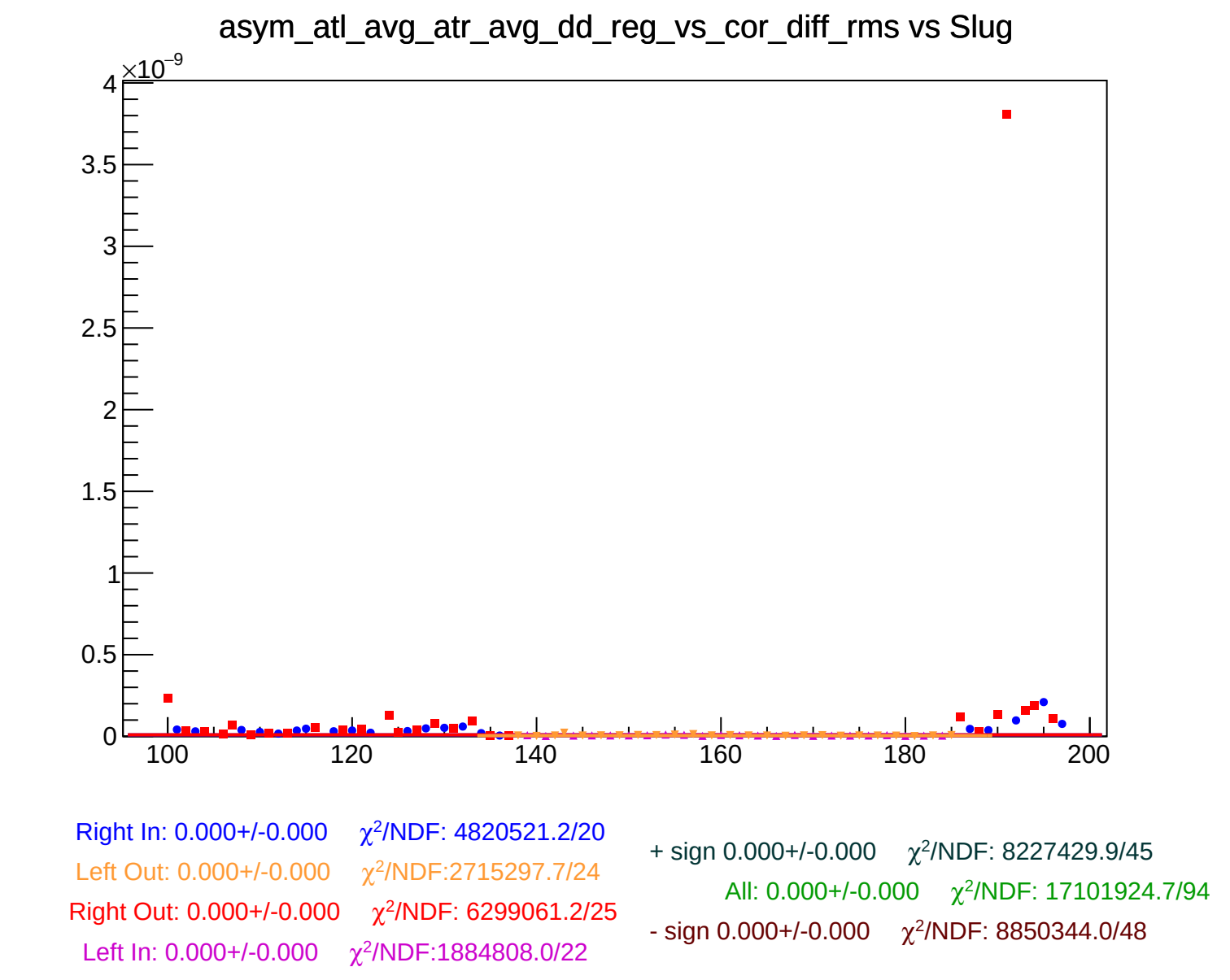
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

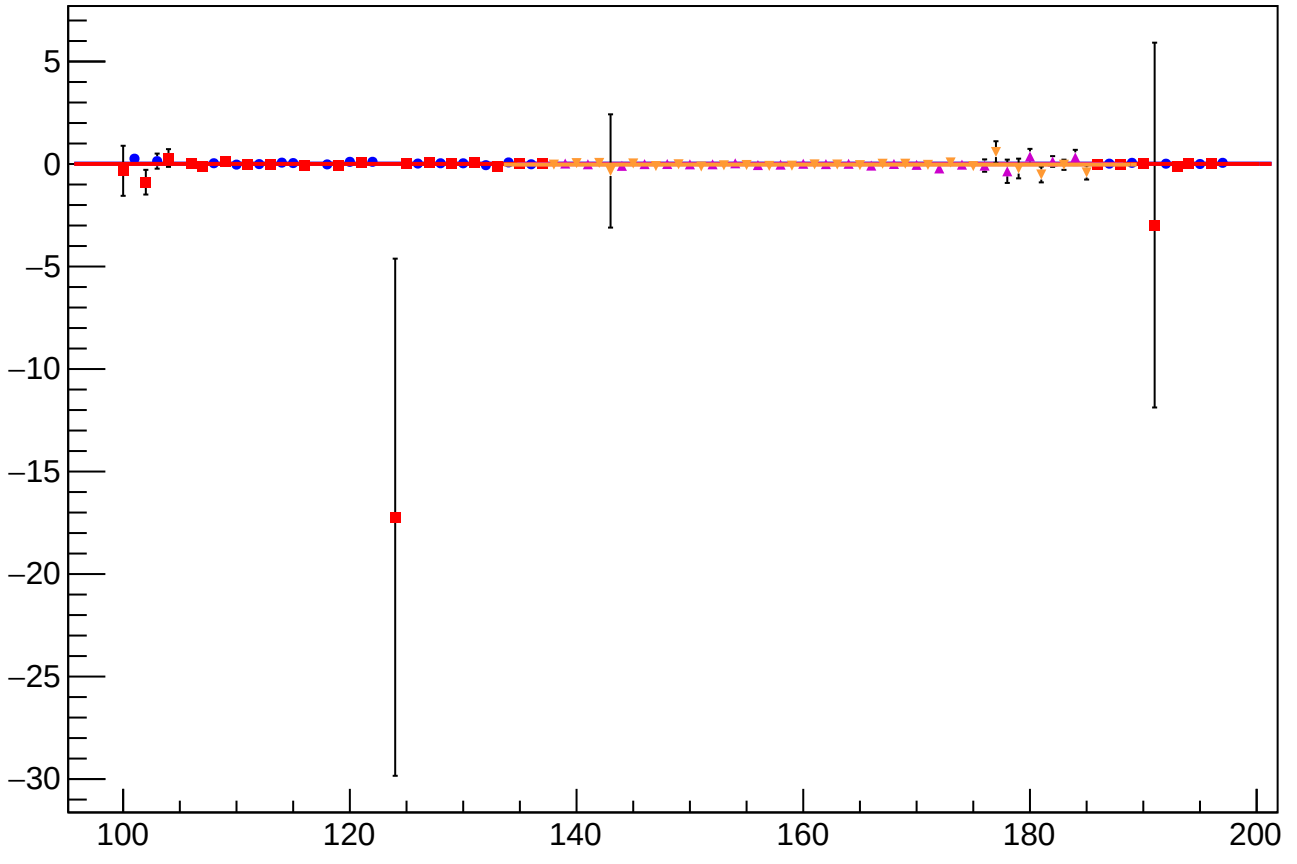
+ sign 1378.010+/-0.181 χ^2/NDF: 1918781.5/45

All: 1378.202+/-0.128 χ^2/NDF: 3600388.5/94

- sign 1378.394+/-0.181 χ^2/NDF: 1681604.8/48


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: 15.2/20
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.6/25
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 42.4/45
All: 0.000+/-0.000 χ²/NDF: 107.0/94
- sign 0.000+/-0.000 χ²/NDF: 64.2/48


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
4
3.5
3
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4820521.2/20
Left Out: 0.000+/-0.000 χ²/NDF:2715297.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6299061.2/25
Left In: 0.000+/-0.000 χ²/NDF:1884808.0/22
+ sign 0.000+/-0.000 χ²/NDF: 8227429.9/45
All: 0.000+/-0.000 χ²/NDF: 17101924.7/94
- sign 0.000+/-0.000 χ²/NDF: 8850344.0/48



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

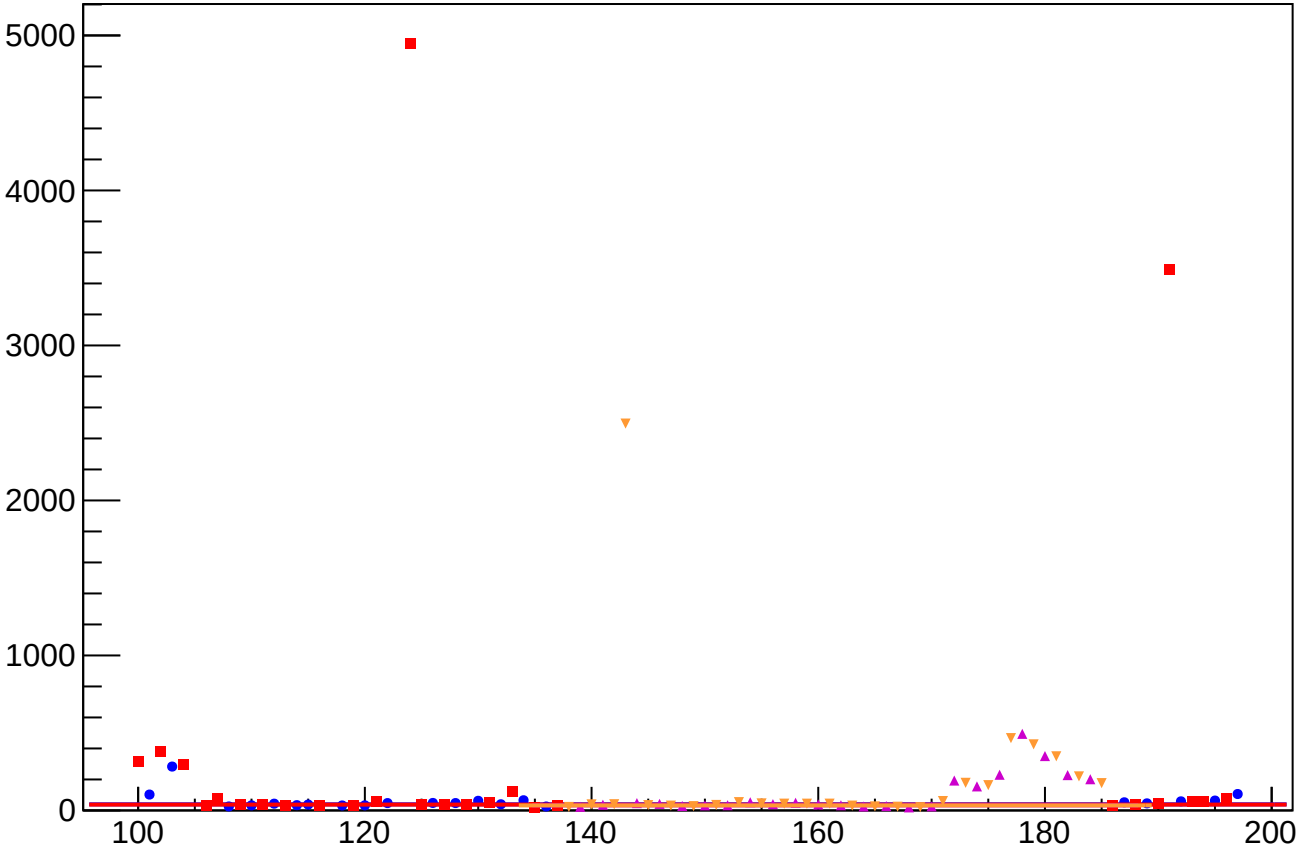
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.2/94

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 39.482+/-0.010 χ^2/NDF: 3433000.0/20

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

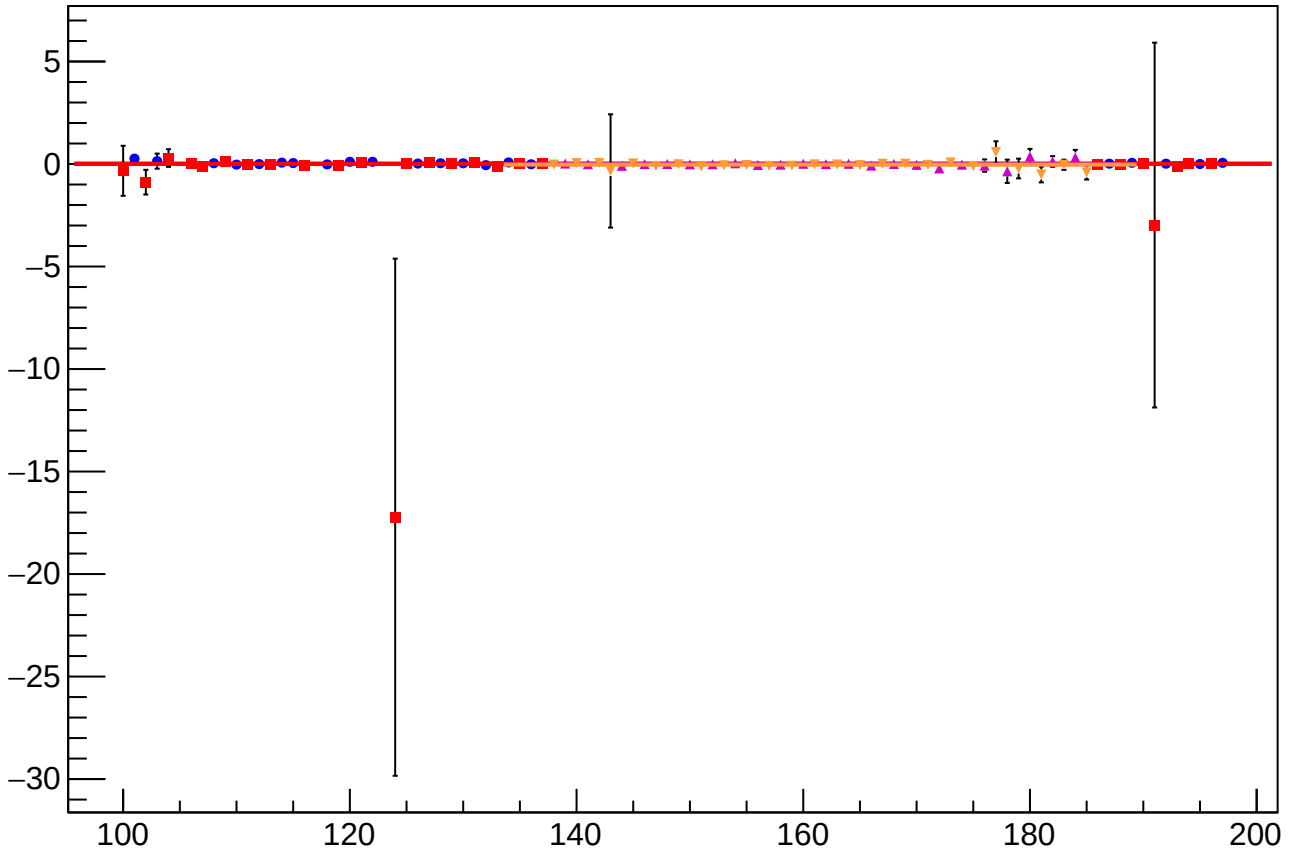
Right Out: 37.758+/-0.009 χ^2/NDF: 4181149.5/25

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632770.5/45

All: 34.571+/-0.004 χ^2/NDF: 27969106.3/94

- sign 34.455+/-0.005 χ^2/NDF: 13335400.7/48



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

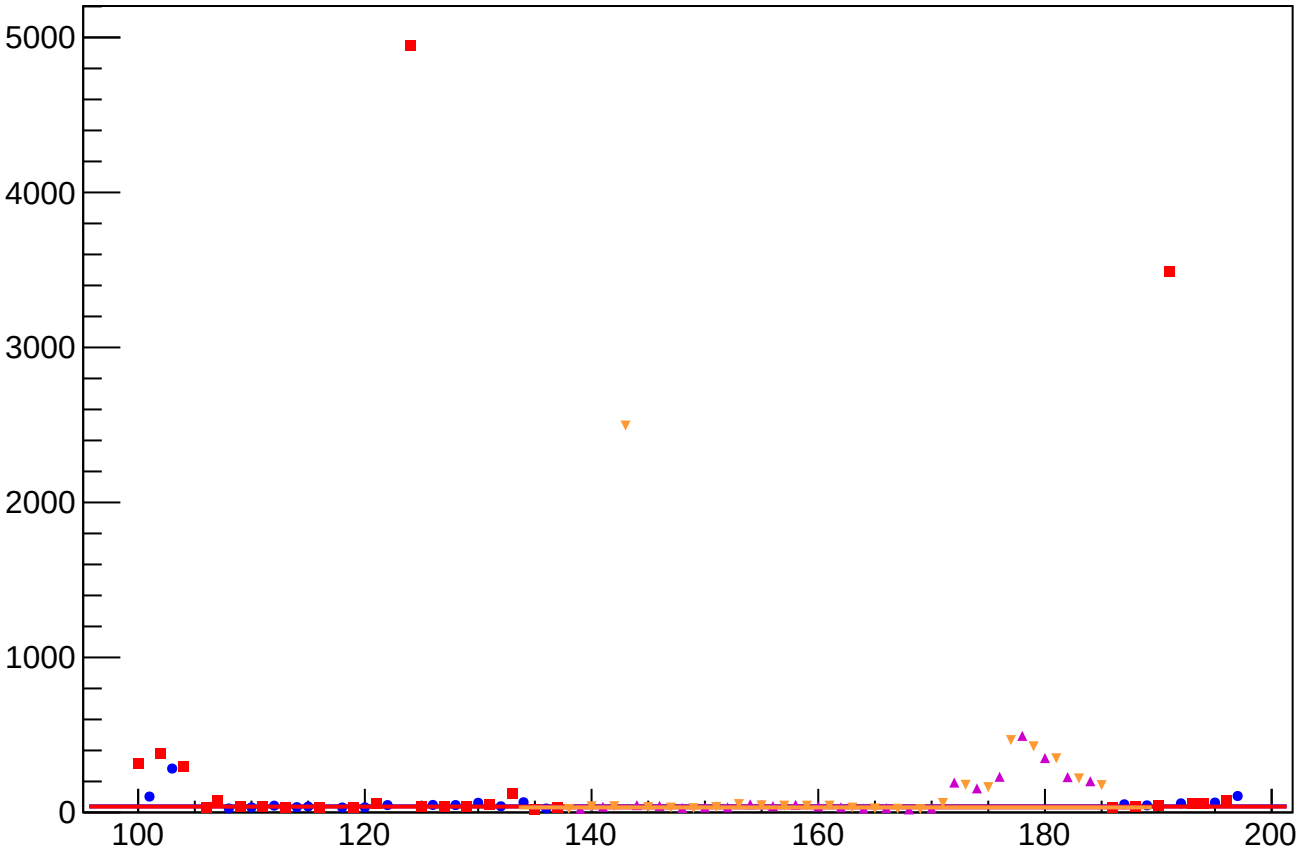
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.2/94

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48



Right In: 39.482+/-0.010 χ^2/NDF: 3433000.0/20

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

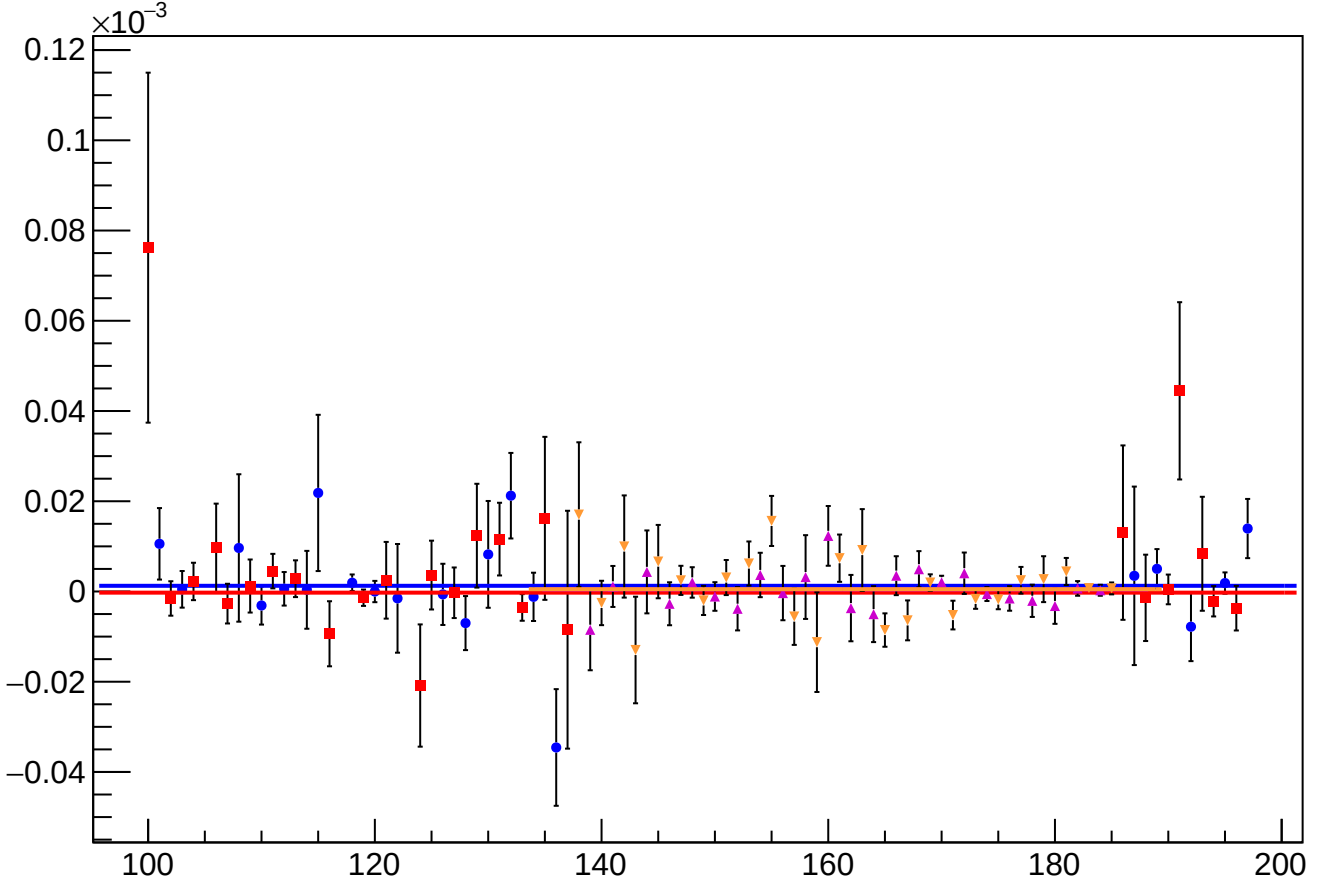
Right Out: 37.758+/-0.009 χ^2/NDF: 4181149.5/25

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632770.5/45

All: 34.571+/-0.004 χ^2/NDF: 27969106.3/94

- sign 34.455+/-0.005 χ^2/NDF: 13335400.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

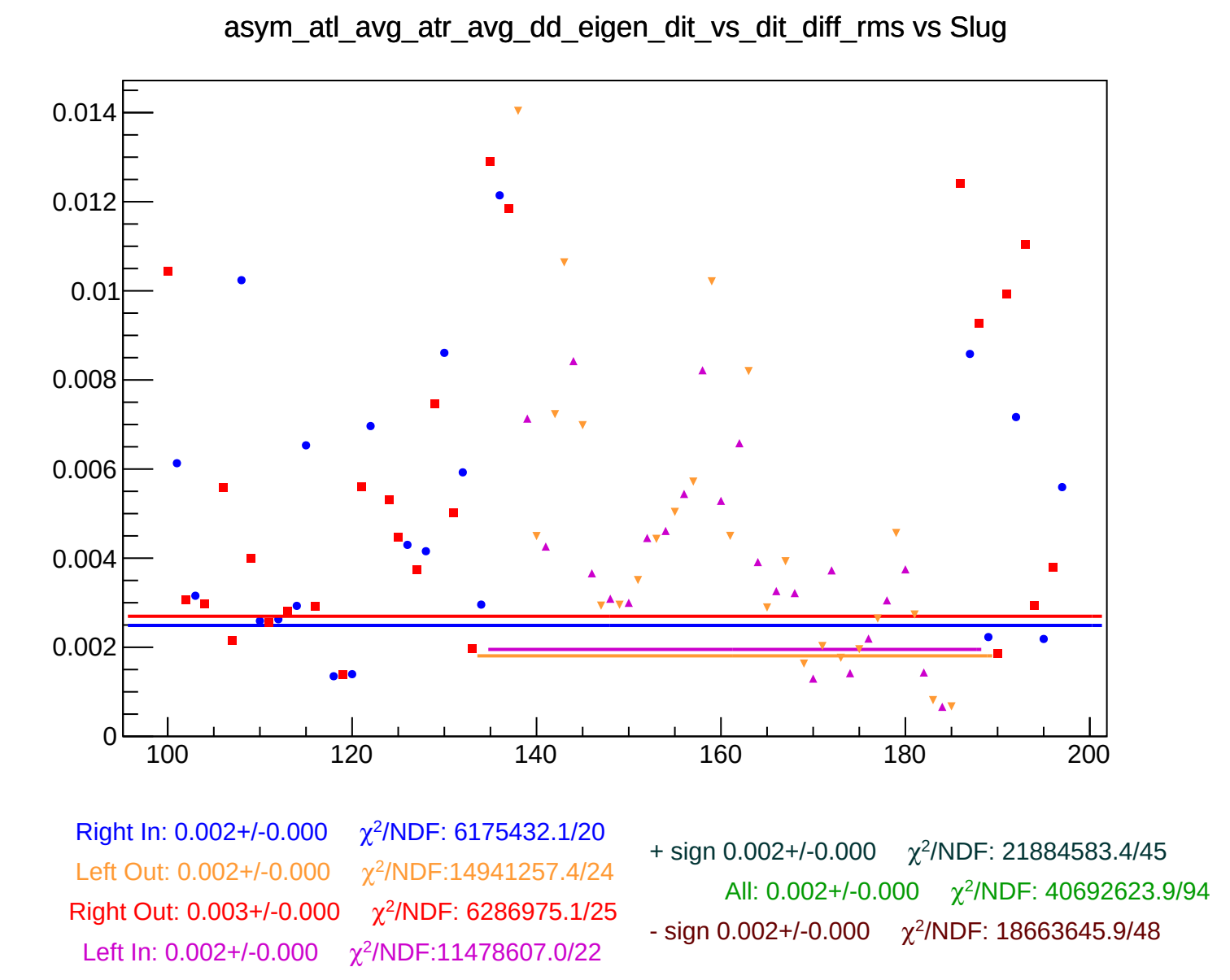
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/25

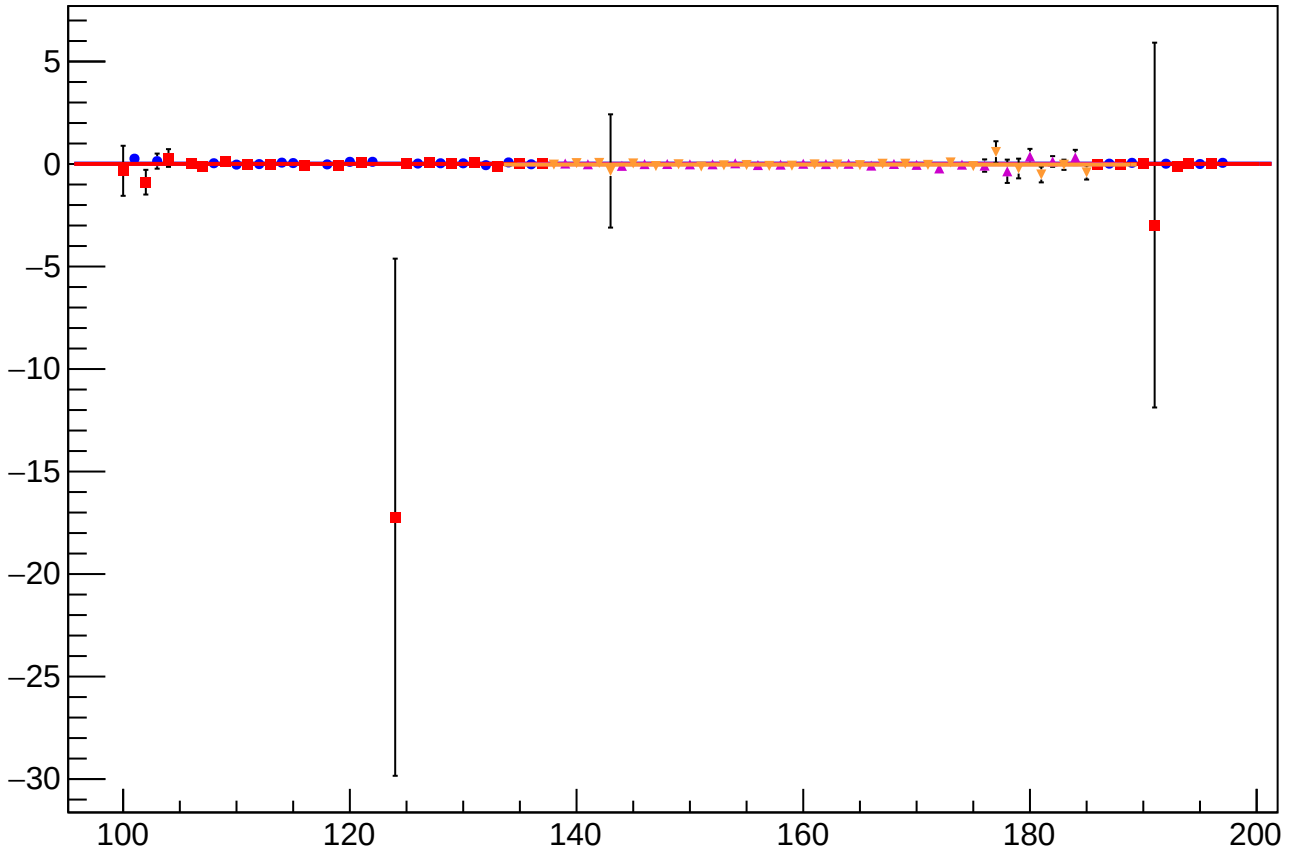
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/45

All: 0.000+/-0.000 χ^2/NDF: 101.1/94

- sign 0.000+/-0.000 χ^2/NDF: 39.2/48


asym_atl_avg_atr_avg_dd_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: 6175432.1/20
Left Out: 0.002+/-0.000 χ²/NDF:14941257.4/24
Right Out: 0.003+/-0.000 χ²/NDF: 6286975.1/25
Left In: 0.002+/-0.000 χ²/NDF:11478607.0/22
+ sign 0.002+/-0.000 χ²/NDF: 21884583.4/45
All: 0.002+/-0.000 χ²/NDF: 40692623.9/94
- sign 0.002+/-0.000 χ²/NDF: 18663645.9/48



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

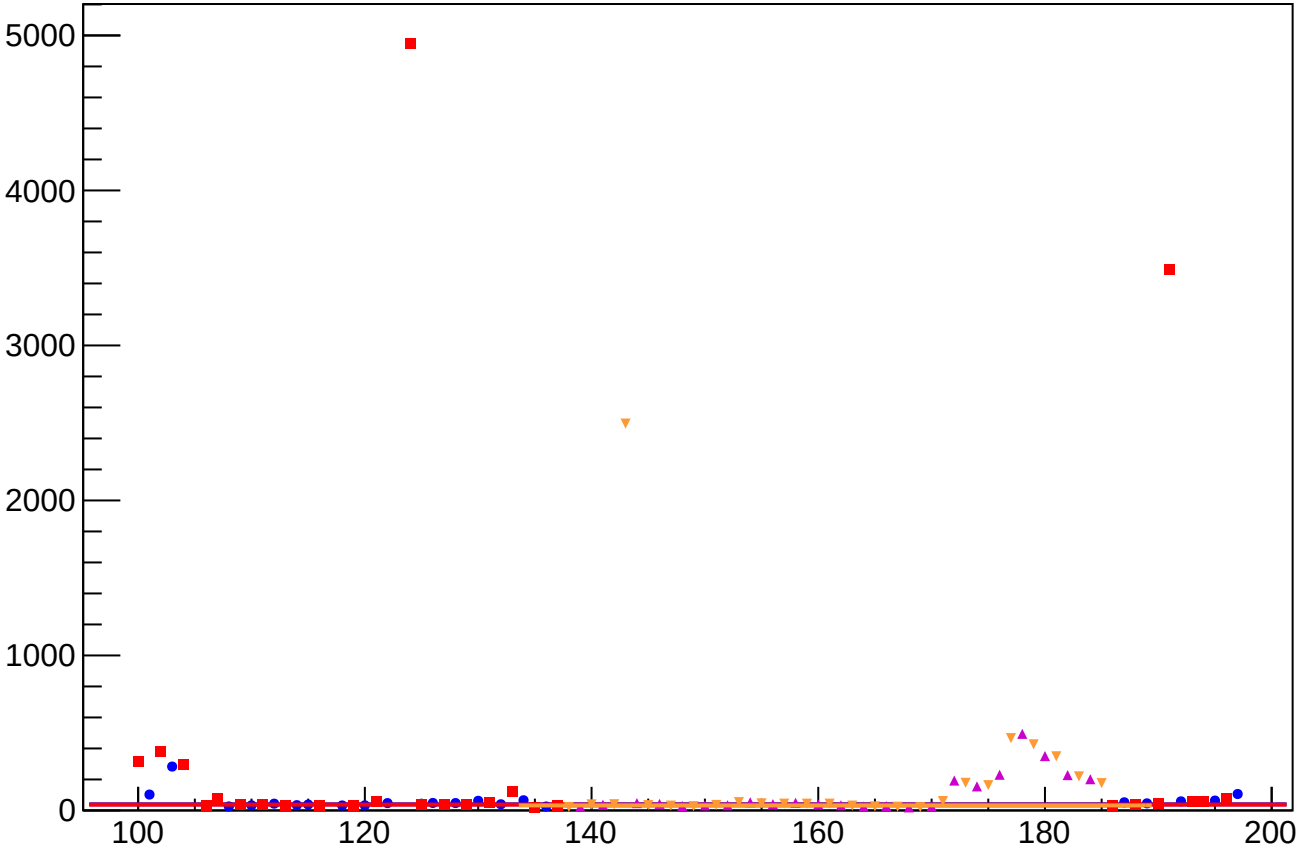
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.2/94

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.483+/-0.010 χ^2/NDF: 3432537.6/20

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

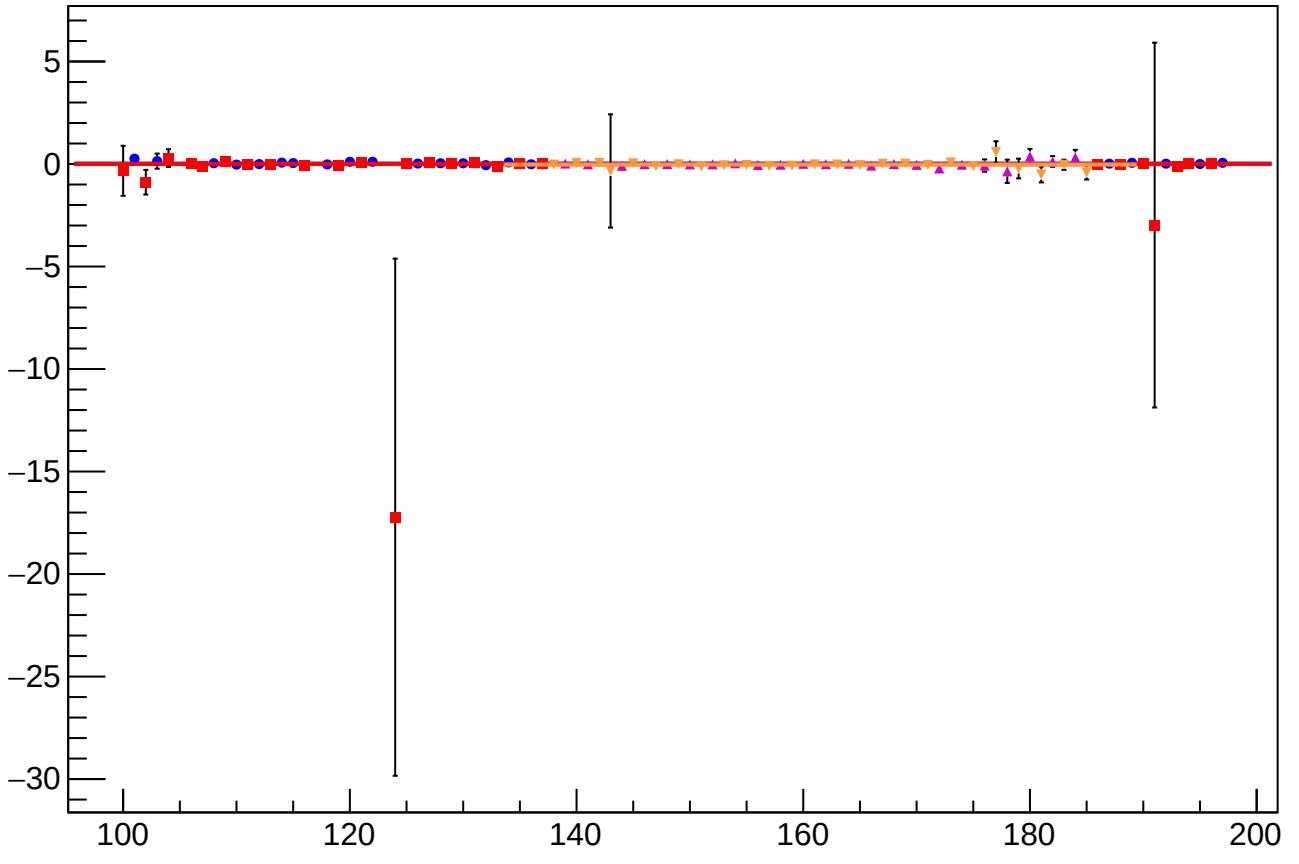
Right Out: 37.759+/-0.009 χ^2/NDF: 4180901.9/25

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632708.1/45

All: 34.571+/-0.004 χ^2/NDF: 27969557.2/94

- sign 34.454+/-0.005 χ^2/NDF: 13335905.8/48



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

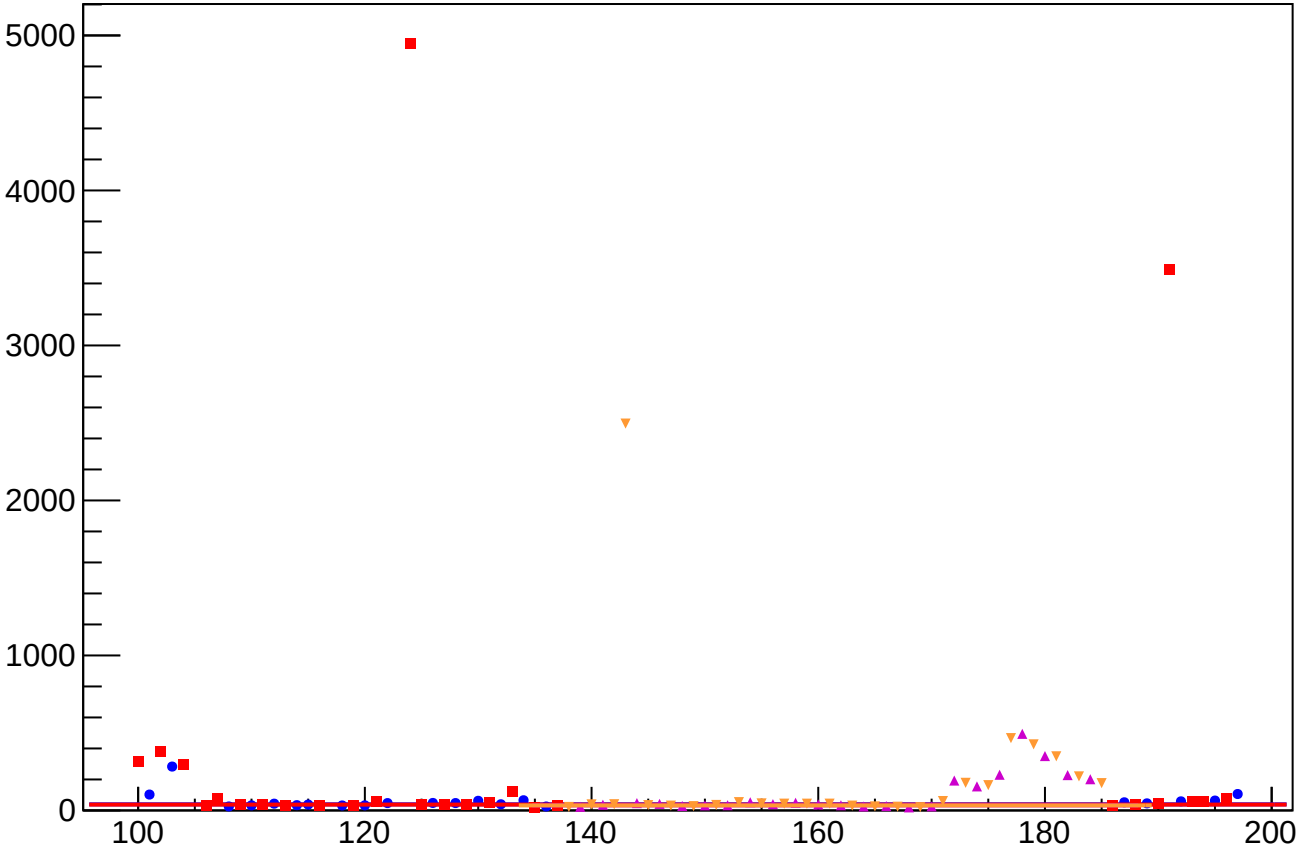
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.2/94

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.483+/-0.010 χ^2/NDF: 3432537.6/20

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

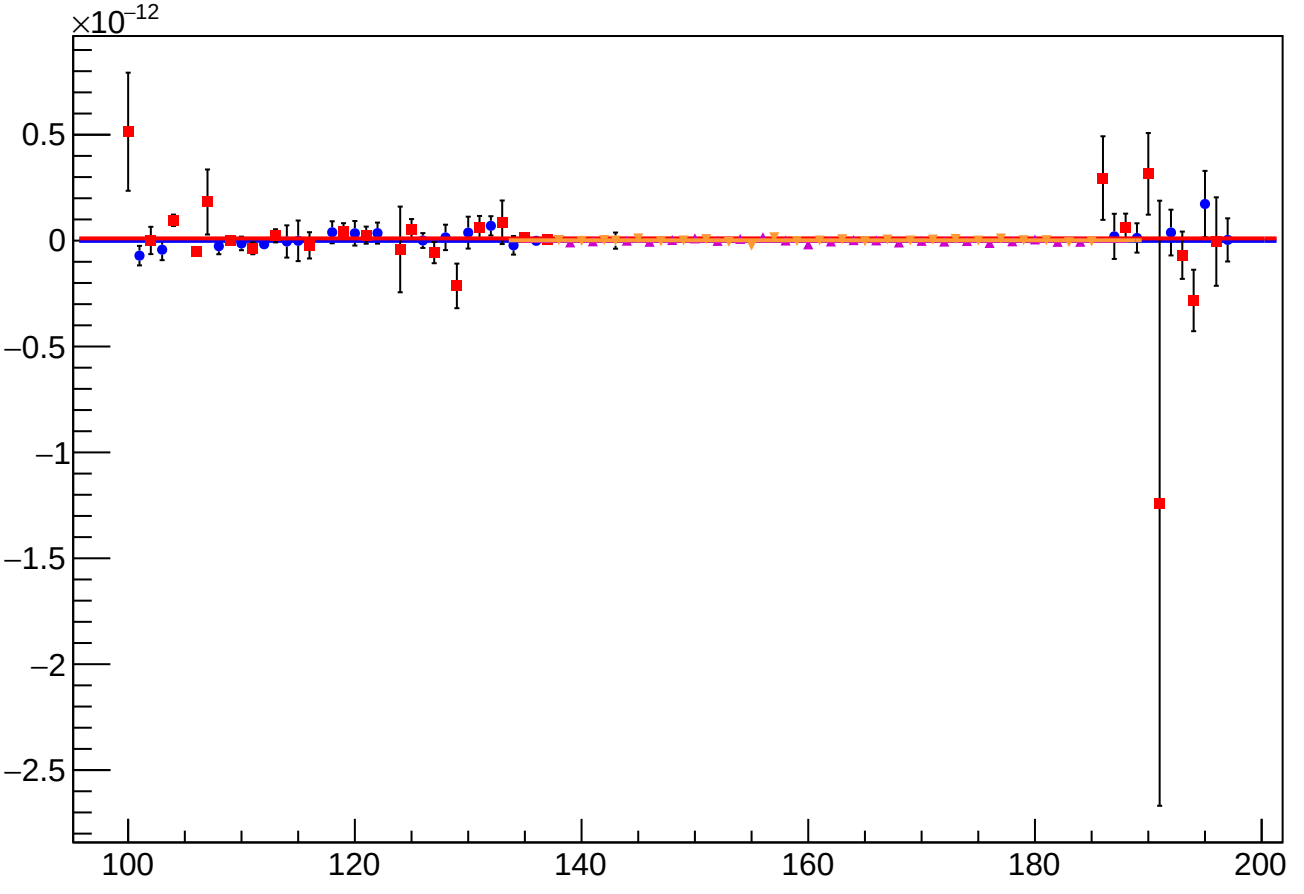
Right Out: 37.759+/-0.009 χ^2/NDF: 4180901.9/25

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632708.1/45

All: 34.571+/-0.004 χ^2/NDF: 27969557.2/94

- sign 34.454+/-0.005 χ^2/NDF: 13335905.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

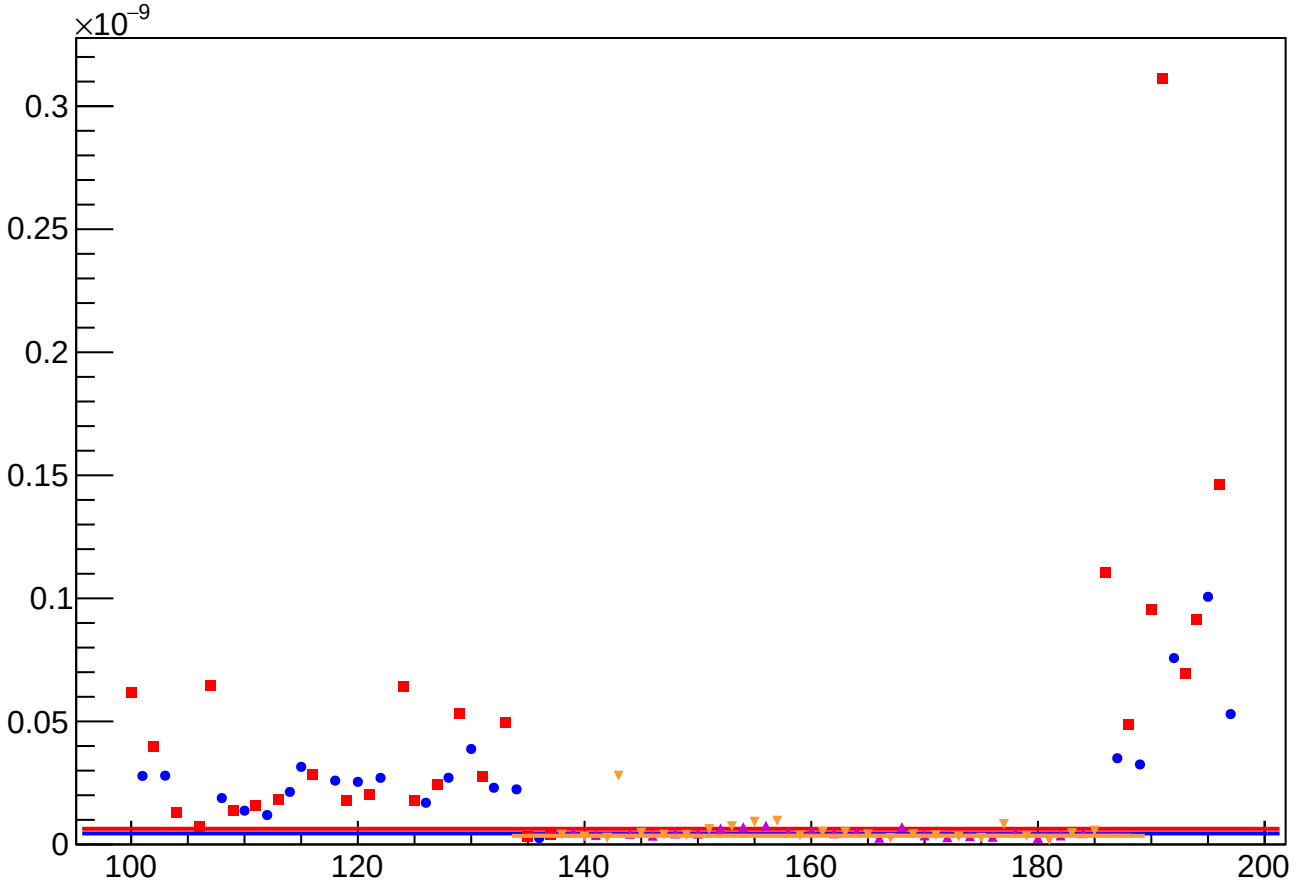
Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/25

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/45

All: 0.000+/-0.000 χ^2/NDF: 116.3/94

- sign -0.000+/-0.000 χ^2/NDF: 86.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 7667464.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9042089.6/25

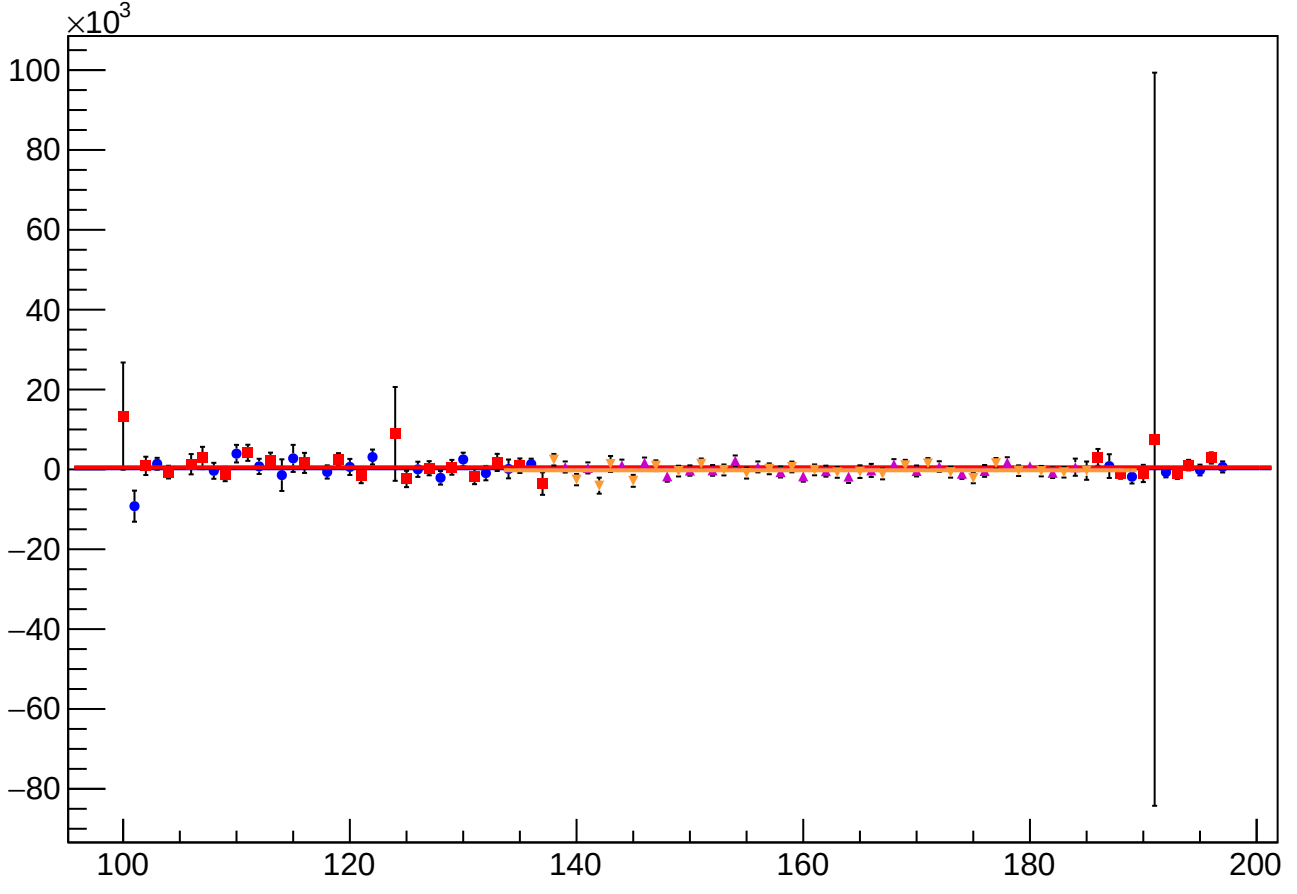
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12506166.5/45

All: 0.000+/-0.000 χ^2/NDF: 24521813.5/94

- sign 0.000+/-0.000 χ^2/NDF: 11733268.9/48

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 278.792+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 523.904+/-381.285 χ^2/NDF: 24.0/25

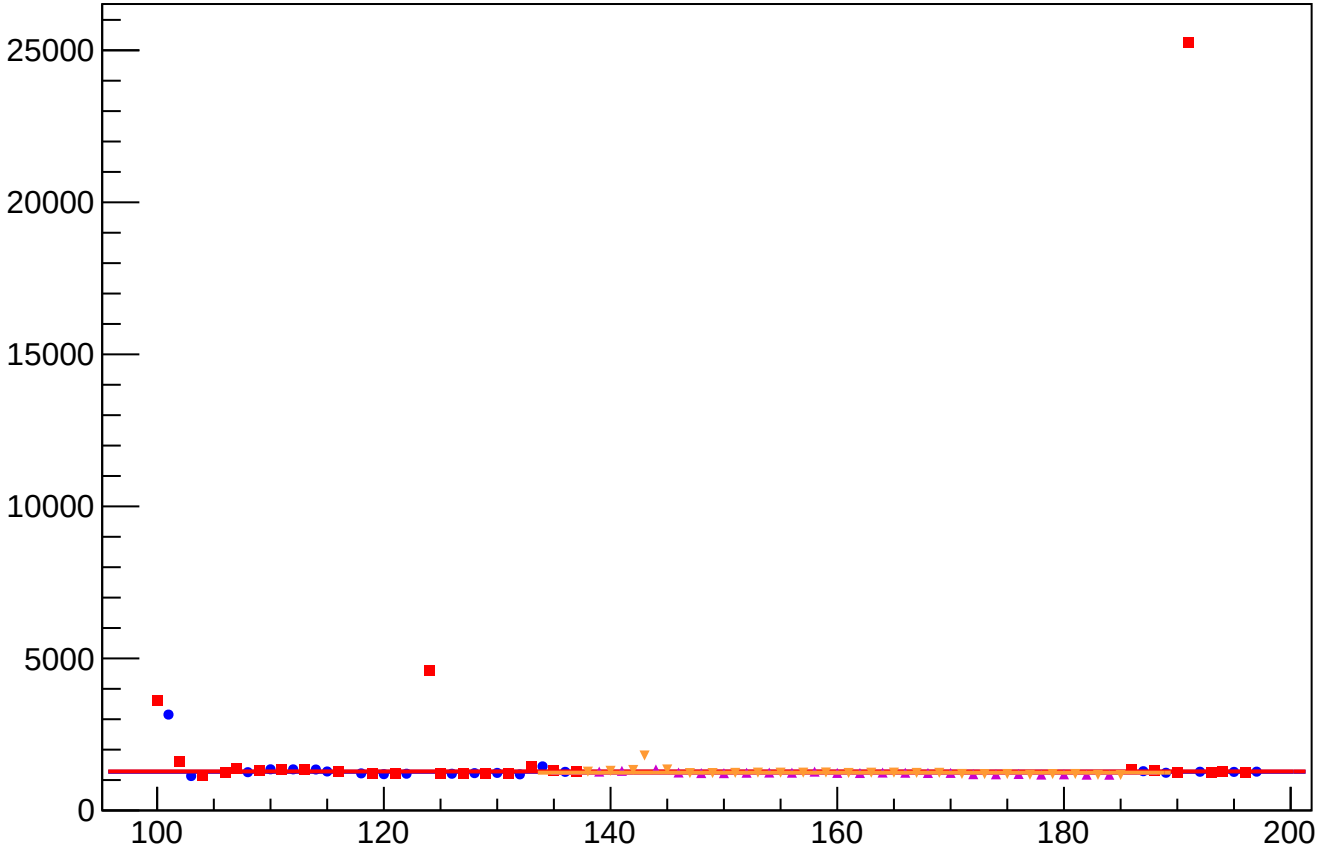
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -51.089+/-230.025 χ^2/NDF: 44.8/45

All: 99.178+/-162.615 χ^2/NDF: 85.1/94

- sign 249.306+/-229.920 χ^2/NDF: 39.5/48

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1271.232+/-0.279 χ^2/NDF: 520131.2/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

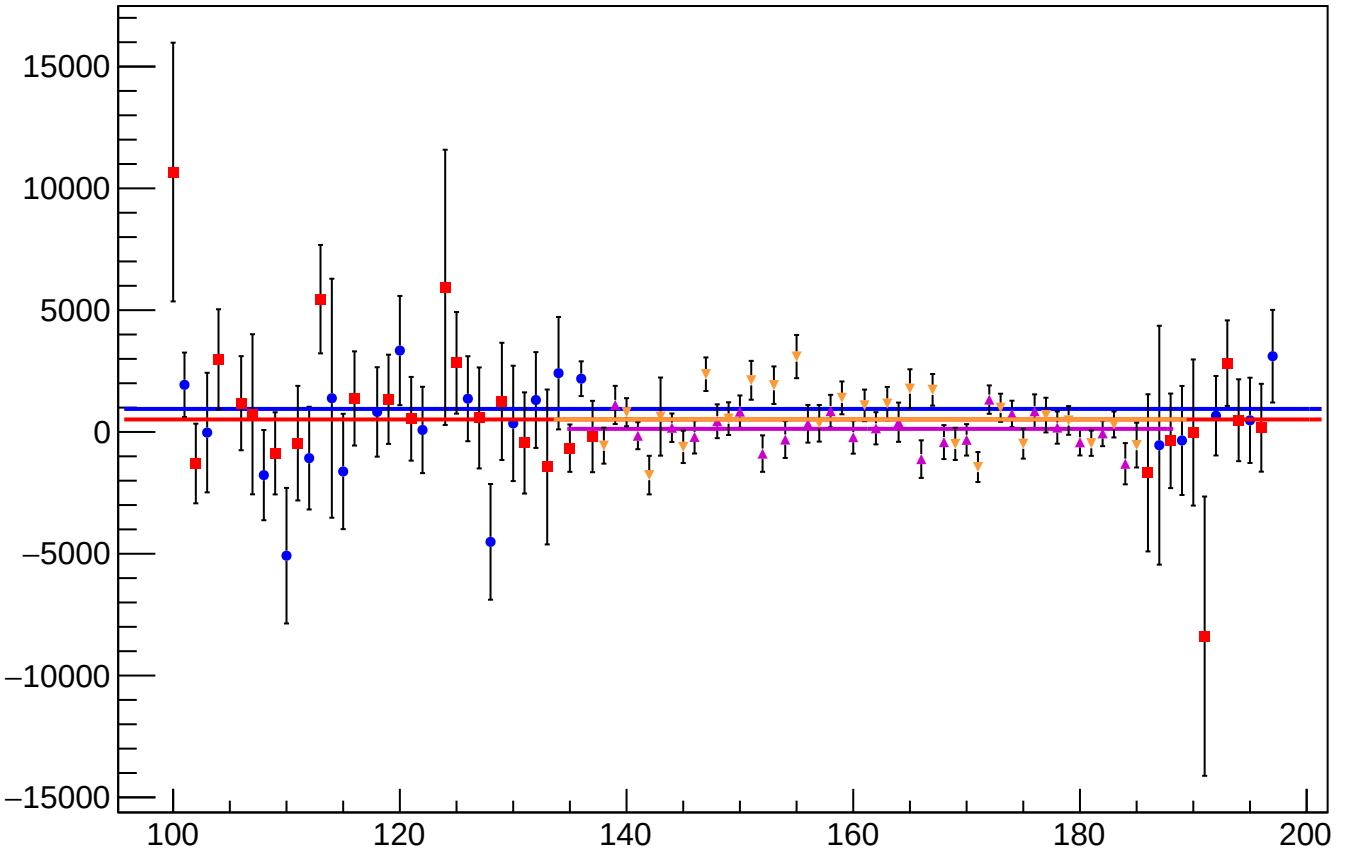
Right Out: 1283.835+/-0.270 χ^2/NDF: 468310.2/25

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.472+/-0.163 χ^2/NDF: 730271.1/45

All: 1252.218+/-0.115 χ^2/NDF: 1259827.5/94

- sign 1251.964+/-0.163 χ^2/NDF: 529551.5/48



Right In: 945.510+/-385.336 χ^2/NDF: 21.7/20

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 513.469+/-387.589 χ^2/NDF: 22.0/25

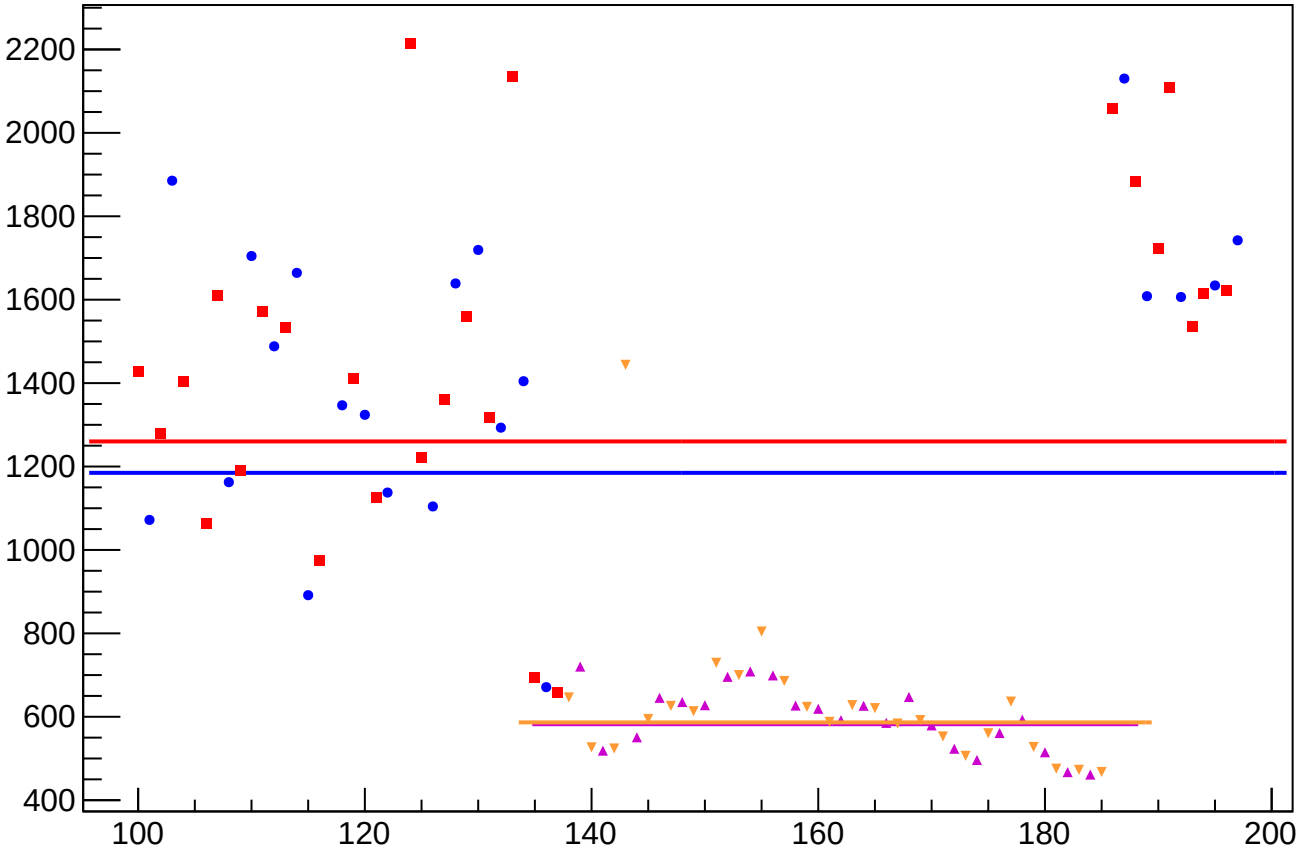
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 564.123+/-128.034 χ^2/NDF: 89.9/45

All: 368.985+/-91.010 χ^2/NDF: 139.0/94

- sign 169.688+/-129.391 χ^2/NDF: 44.5/48

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1184.875+/-0.272 χ^2/NDF: 2188879.6/20

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1260.190+/-0.274 χ^2/NDF: 2094204.0/25

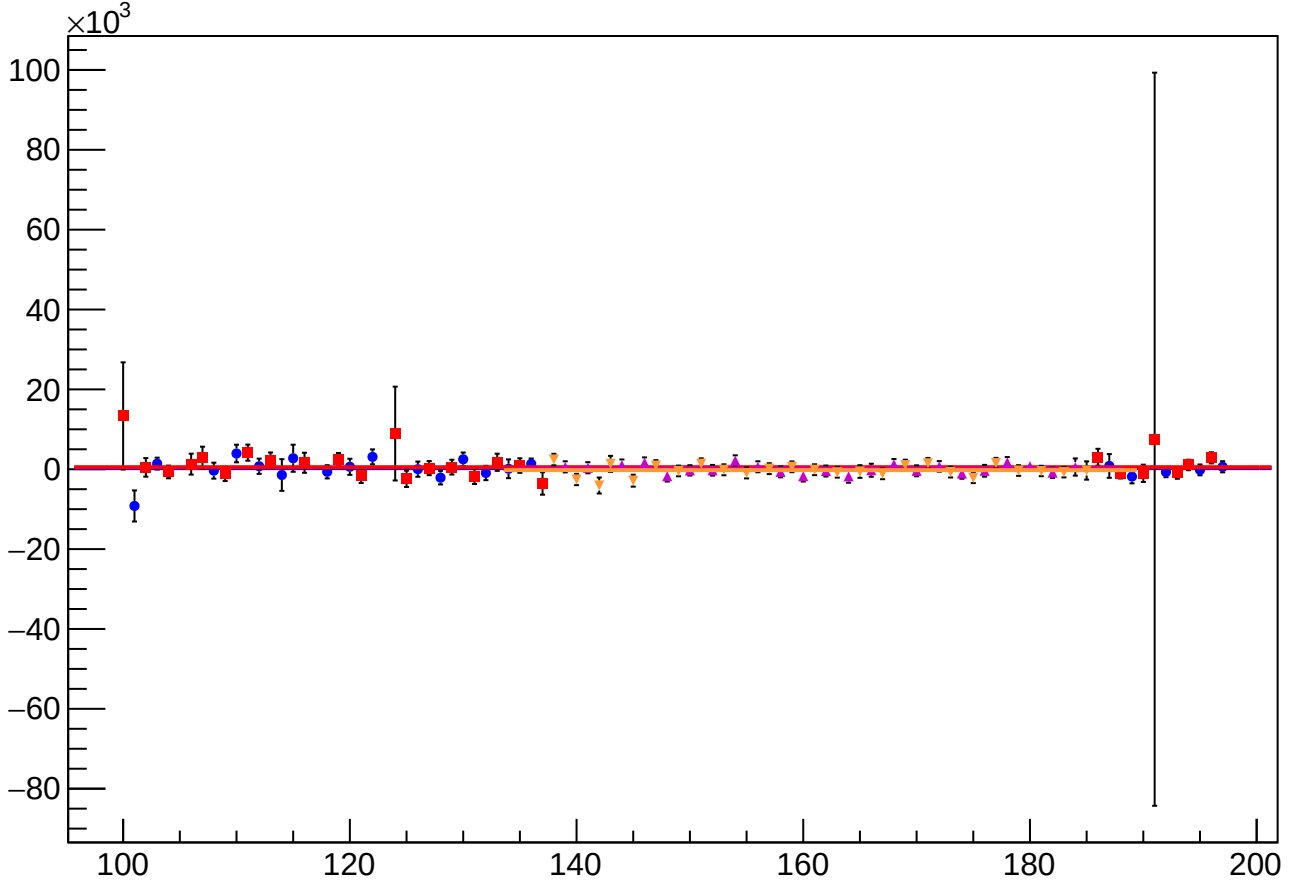
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 652.612+/-0.091 χ^2/NDF: 7681327.4/45

All: 655.154+/-0.064 χ^2/NDF: 15774270.0/94

- sign 657.751+/-0.091 χ^2/NDF: 8091348.1/48

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 279.005+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 511.047+/-381.693 χ^2/NDF: 23.9/25

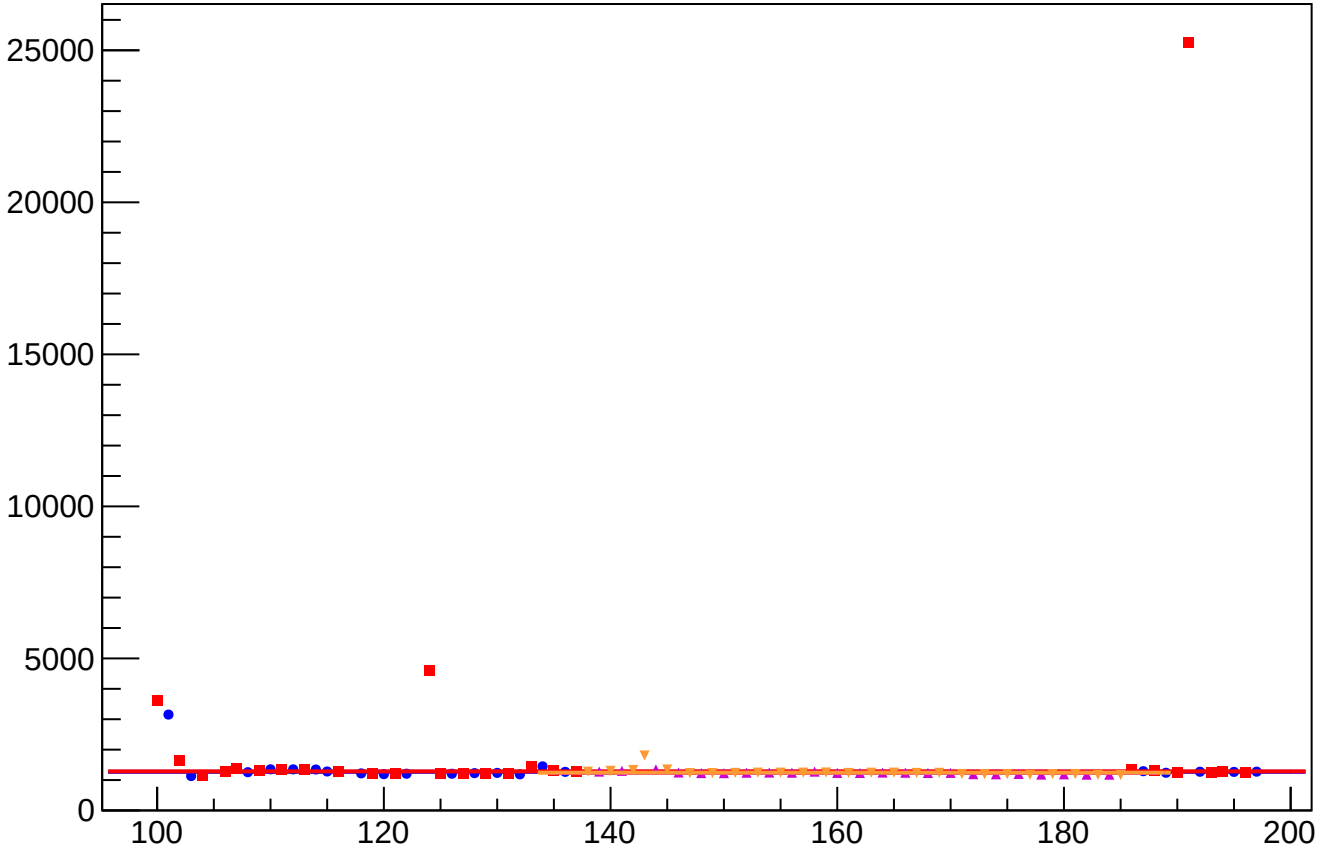
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -51.040+/-230.025 χ^2/NDF: 44.8/45

All: 96.725+/-162.647 χ^2/NDF: 85.0/94

- sign 244.469+/-230.009 χ^2/NDF: 39.4/48

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1271.232+/-0.279 χ^2/NDF: 520132.6/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

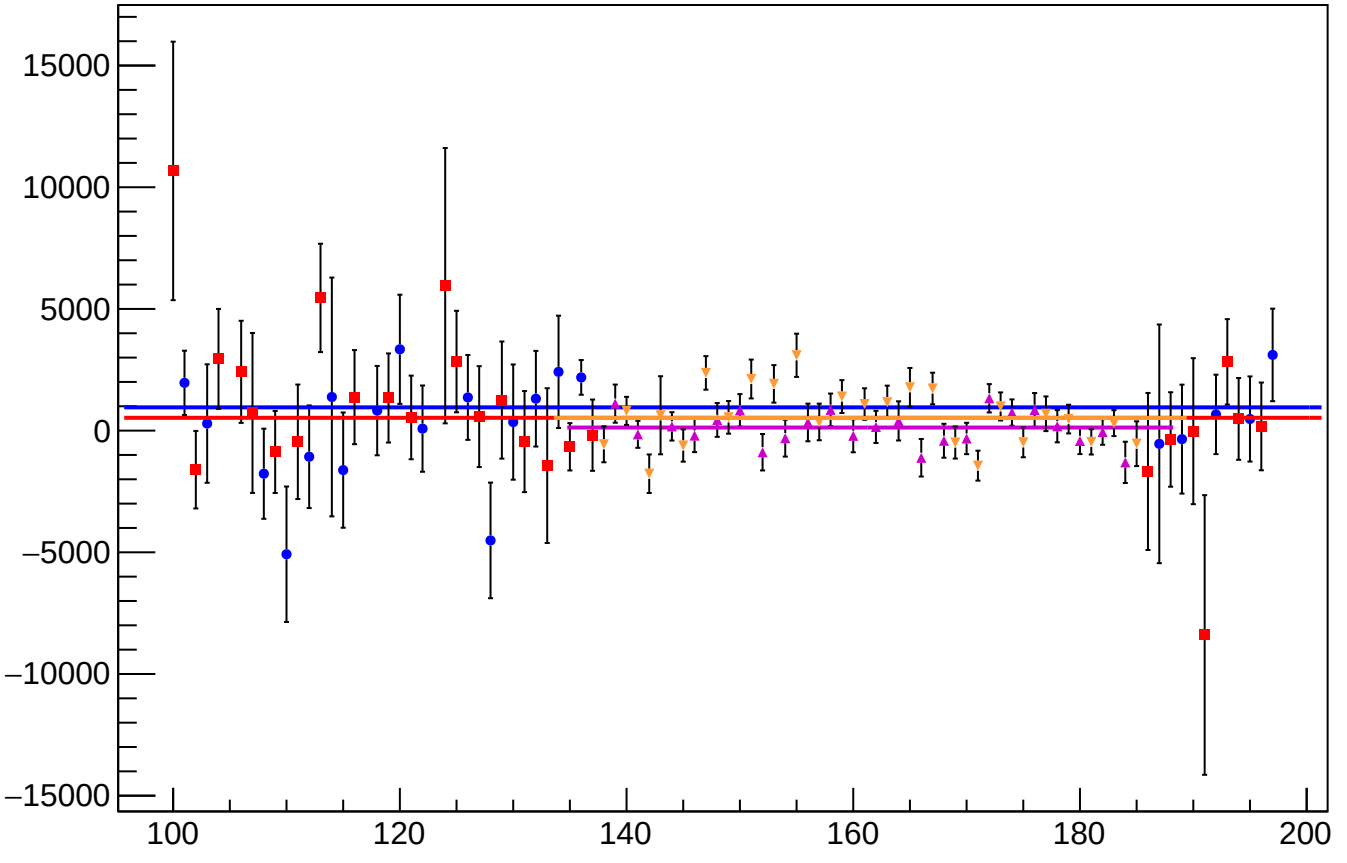
Right Out: 1285.278+/-0.270 χ^2/NDF: 474925.1/25

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.472+/-0.163 χ^2/NDF: 730272.5/45

All: 1252.467+/-0.115 χ^2/NDF: 1267690.5/94

- sign 1252.463+/-0.163 χ^2/NDF: 537418.0/48



Right In: 955.646+/-385.205 χ^2/NDF: 21.7/20

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

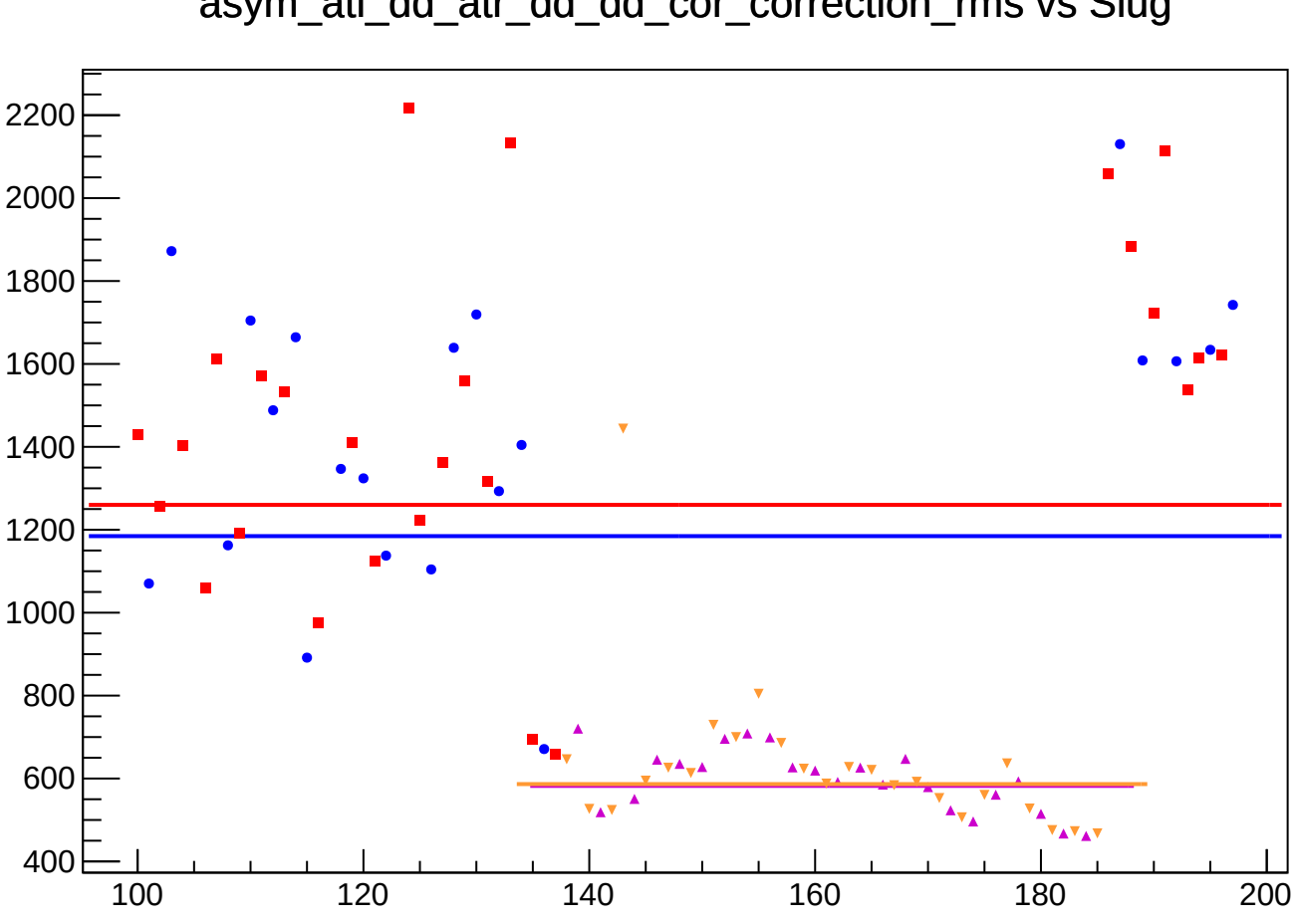
Right Out: 526.910+/-388.175 χ^2/NDF: 23.3/25

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 565.289+/-128.030 χ^2/NDF: 89.9/45

All: 370.286+/-91.016 χ^2/NDF: 140.3/94

\- sign 171.048+/-129.413 χ^2/NDF: 45.8/48



Right In: 1184.650+/-0.272 χ^2/NDF: 2185903.9/20

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1260.008+/-0.274 χ^2/NDF: 2091705.9/25

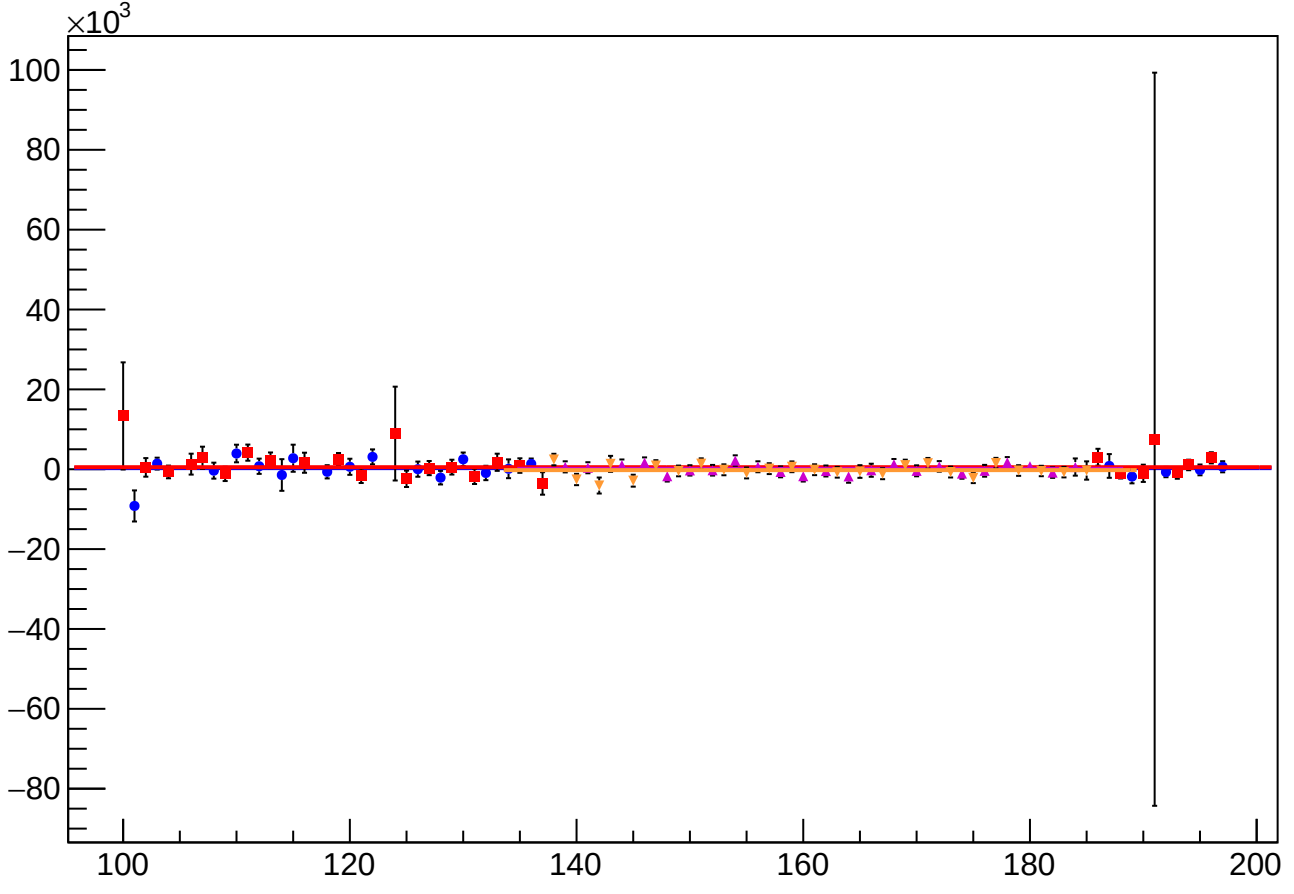
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 652.632+/-0.091 χ^2/NDF: 7677539.1/45

All: 655.053+/-0.064 χ^2/NDF: 15750354.3/94

- sign 657.526+/-0.092 χ^2/NDF: 8071369.4/48

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 279.005+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 511.047+/-381.693 χ^2/NDF: 23.9/25

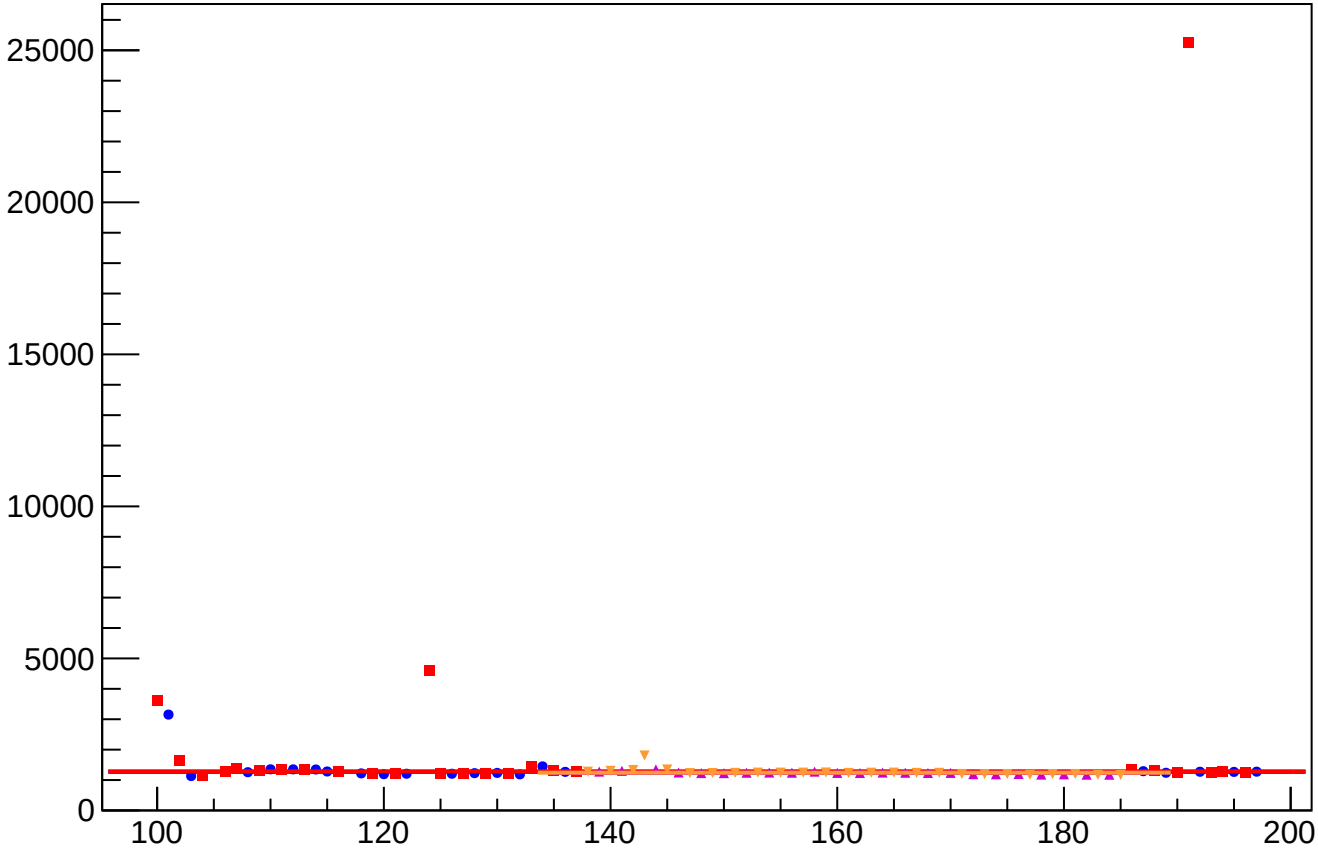
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -51.040+/-230.025 χ^2/NDF: 44.8/45

All: 96.725+/-162.647 χ^2/NDF: 85.0/94

- sign 244.469+/-230.009 χ^2/NDF: 39.4/48

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1271.232+/-0.279 χ^2/NDF: 520132.6/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

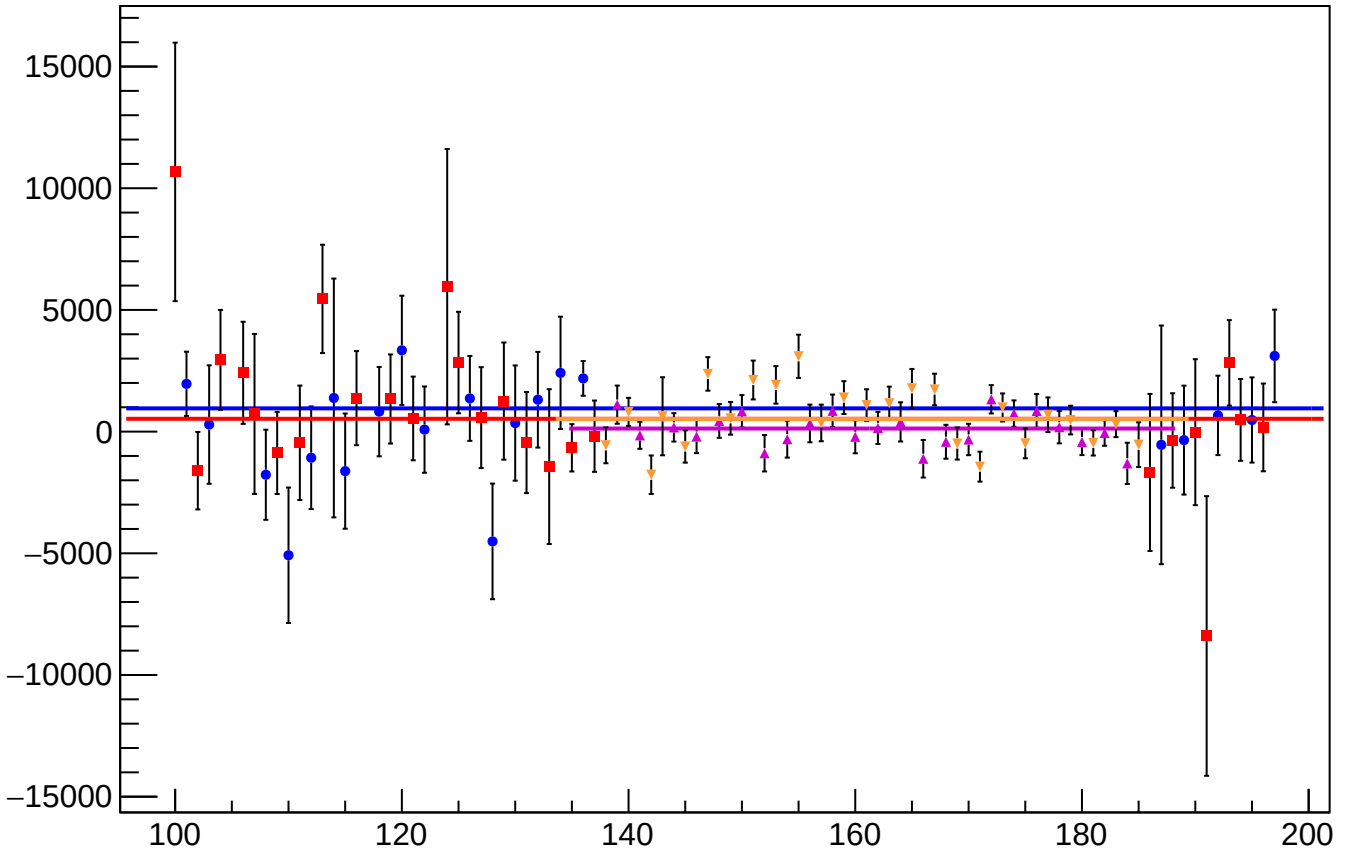
Right Out: 1285.278+/-0.270 χ^2/NDF: 474925.1/25

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.472+/-0.163 χ^2/NDF: 730272.5/45

All: 1252.467+/-0.115 χ^2/NDF: 1267690.5/94

- sign 1252.463+/-0.163 χ^2/NDF: 537418.0/48



Right In: 955.646+/-385.205 χ^2/NDF: 21.7/20

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

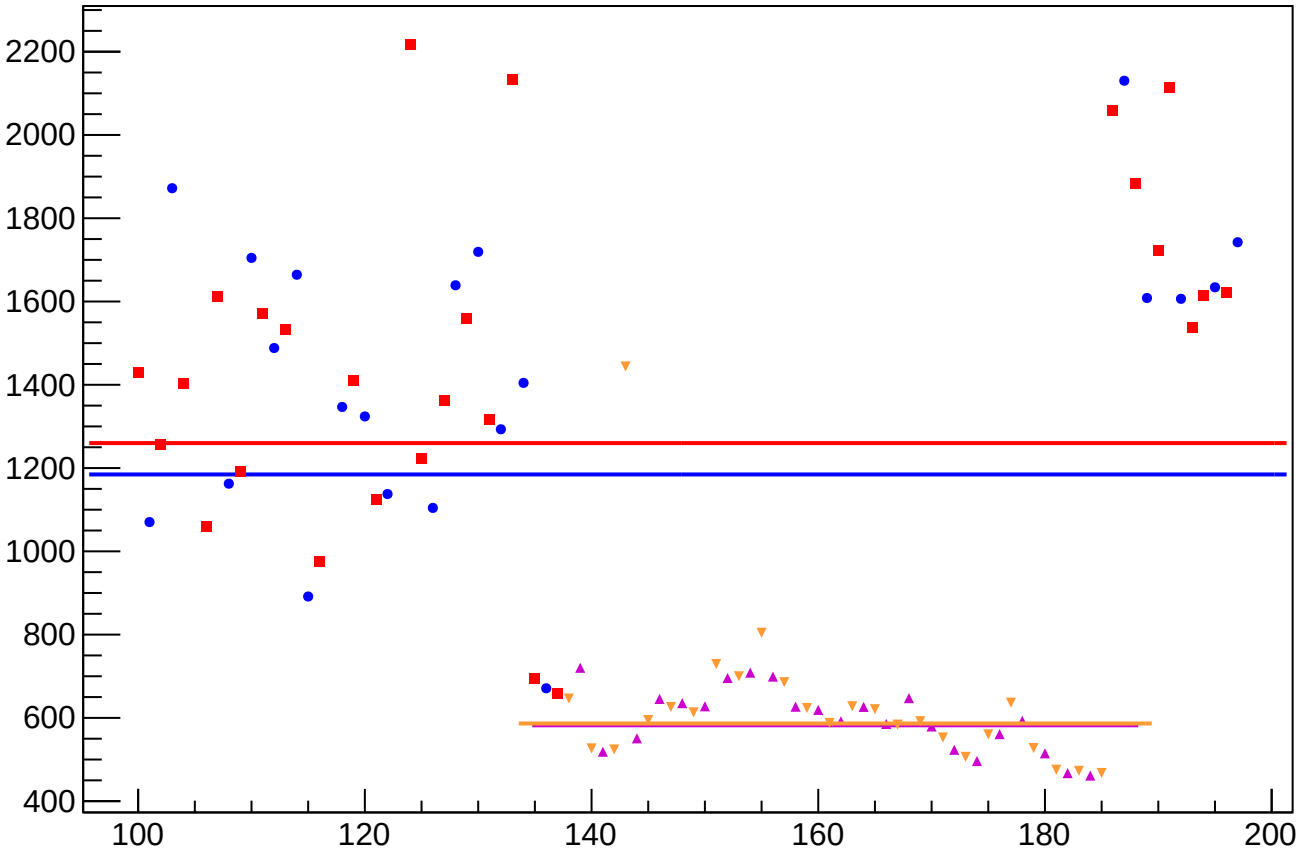
Right Out: 526.910+/-388.175 χ^2/NDF: 23.3/25

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 565.289+/-128.030 χ^2/NDF: 89.9/45

All: 370.286+/-91.016 χ^2/NDF: 140.3/94

\- sign 171.048+/-129.413 χ^2/NDF: 45.8/48



Right In: 1184.650+/-0.272 χ^2/NDF: 2185903.9/20

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

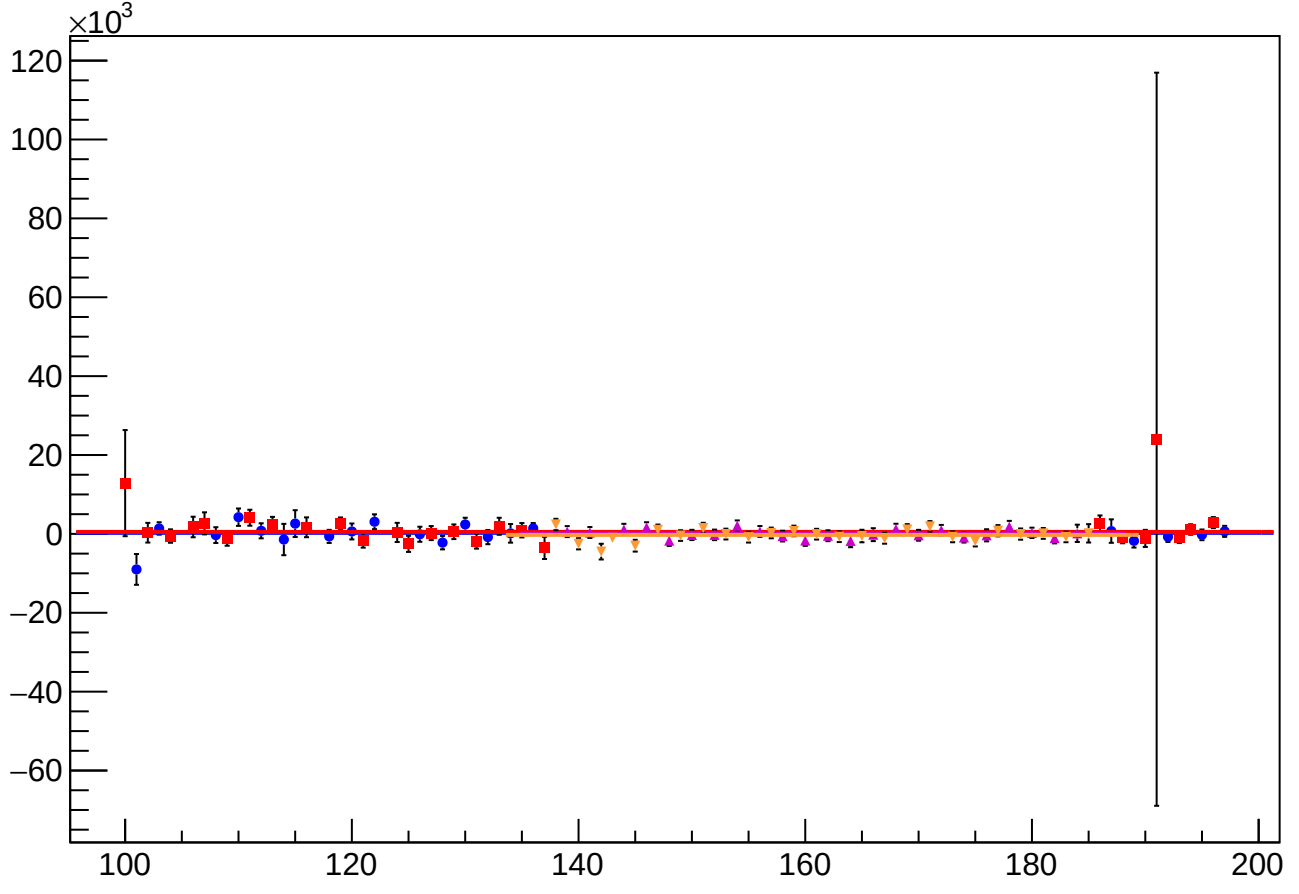
Right Out: 1260.008+/-0.274 χ^2/NDF: 2091705.9/25

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 652.632+/-0.091 χ^2/NDF: 7677539.1/45

All: 655.053+/-0.064 χ^2/NDF: 15750354.3/94

- sign 657.526+/-0.092 χ^2/NDF: 8071369.4/48



Right In: 272.531+/-396.650 χ^2/NDF: 19.8/20

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 504.105+/-379.649 χ^2/NDF: 23.5/25

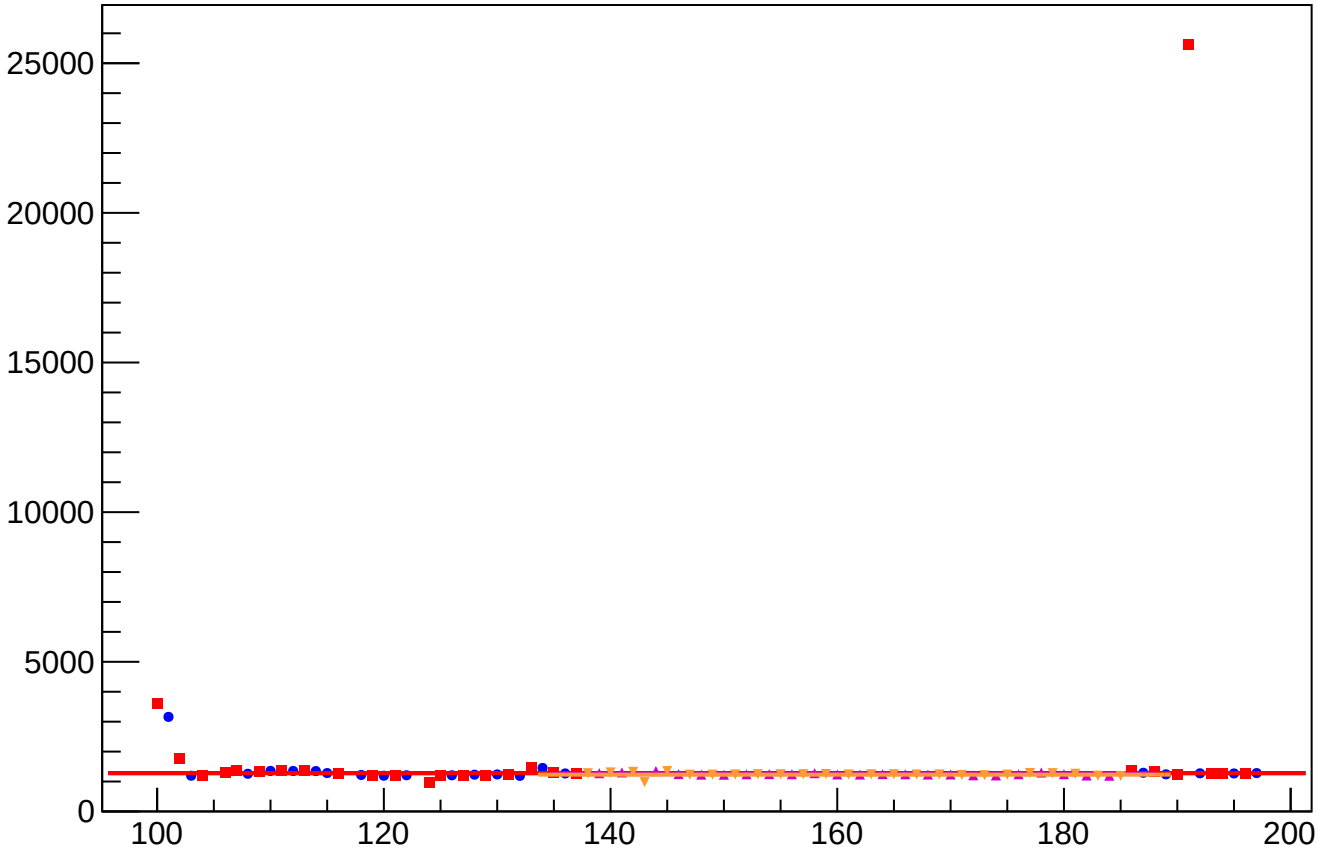
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -76.846+/-228.706 χ^2/NDF: 45.0/45

All: 76.922+/-162.590 χ^2/NDF: 84.2/94

- sign 234.045+/-231.187 χ^2/NDF: 38.3/48

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1277.765+/-0.280 χ^2/NDF: 508257.2/20

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

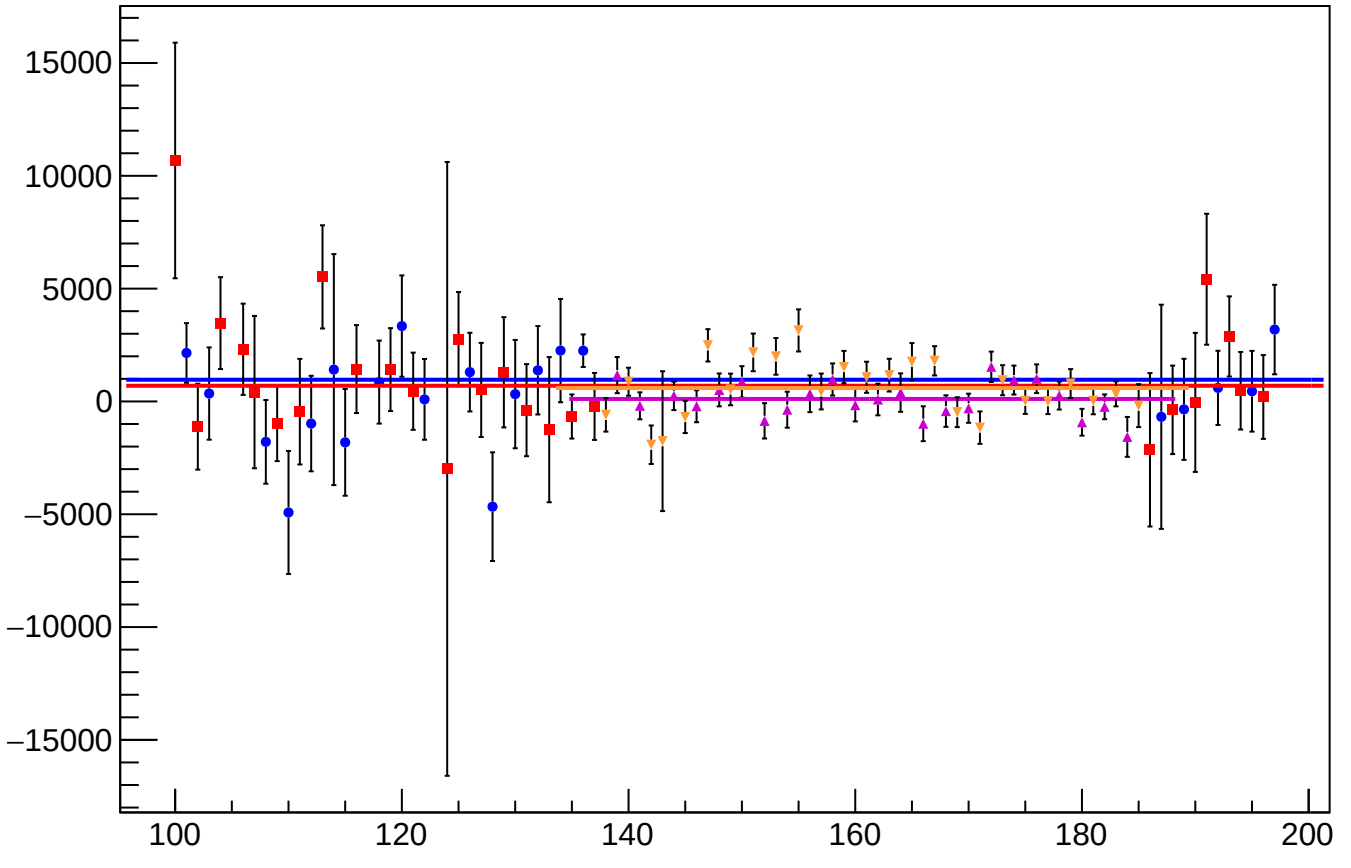
Right Out: 1281.098+/-0.268 χ^2/NDF: 368618.3/25

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1245.871+/-0.162 χ^2/NDF: 669236.5/45

All: 1252.928+/-0.115 χ^2/NDF: 1078733.9/94

- sign 1260.138+/-0.163 χ^2/NDF: 405647.7/48



Right In: 962.303+/-386.132 χ^2/NDF: 22.3/20

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

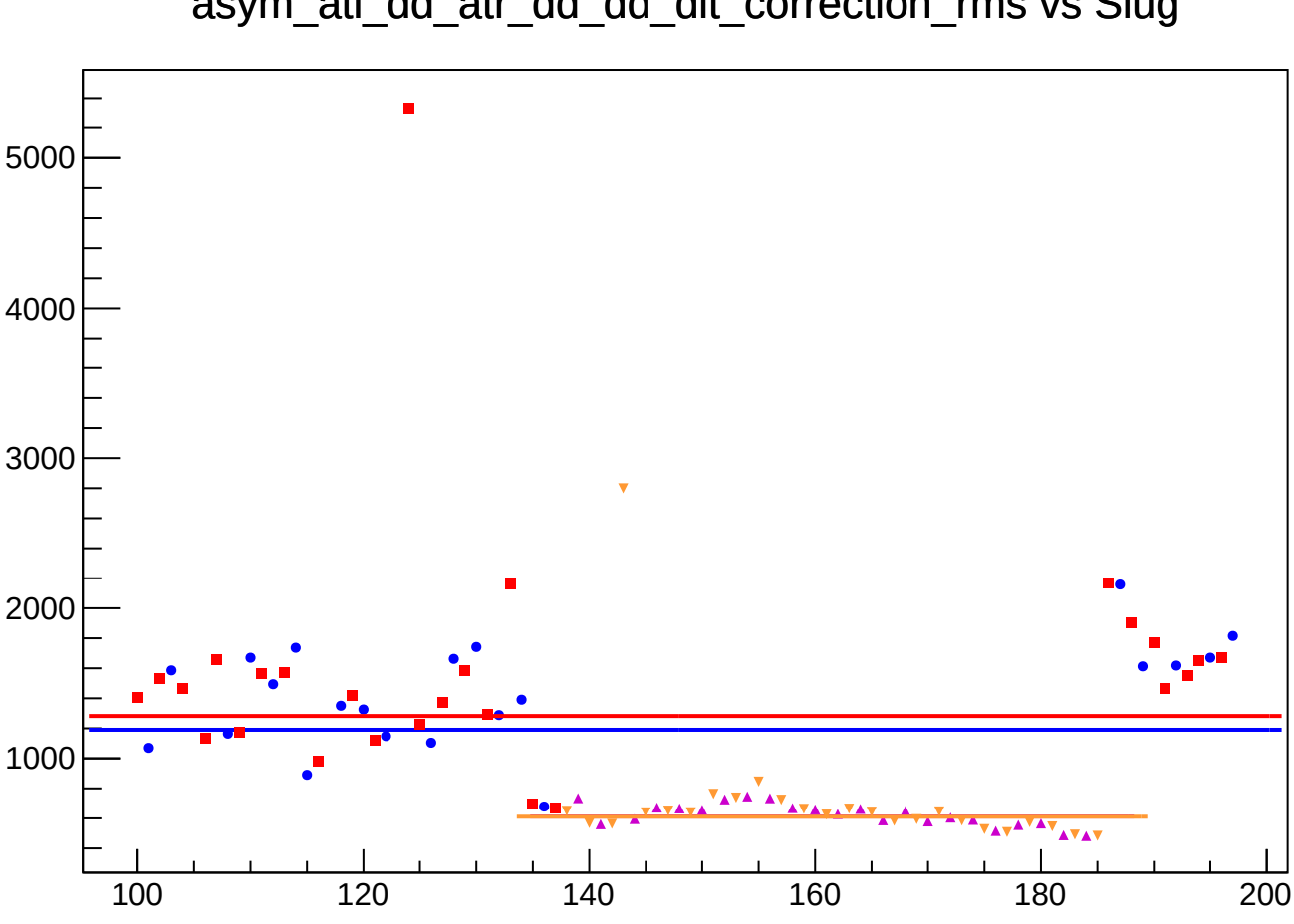
Right Out: 695.390+/-392.090 χ^2/NDF: 22.5/25

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 638.827+/-133.382 χ^2/NDF: 80.4/45

All: 412.795+/-95.008 χ^2/NDF: 136.4/94

- sign 179.994+/-135.364 χ^2/NDF: 50.1/48



Right In: 1190.182+/-0.273 χ^2/NDF: 2112321.0/20

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

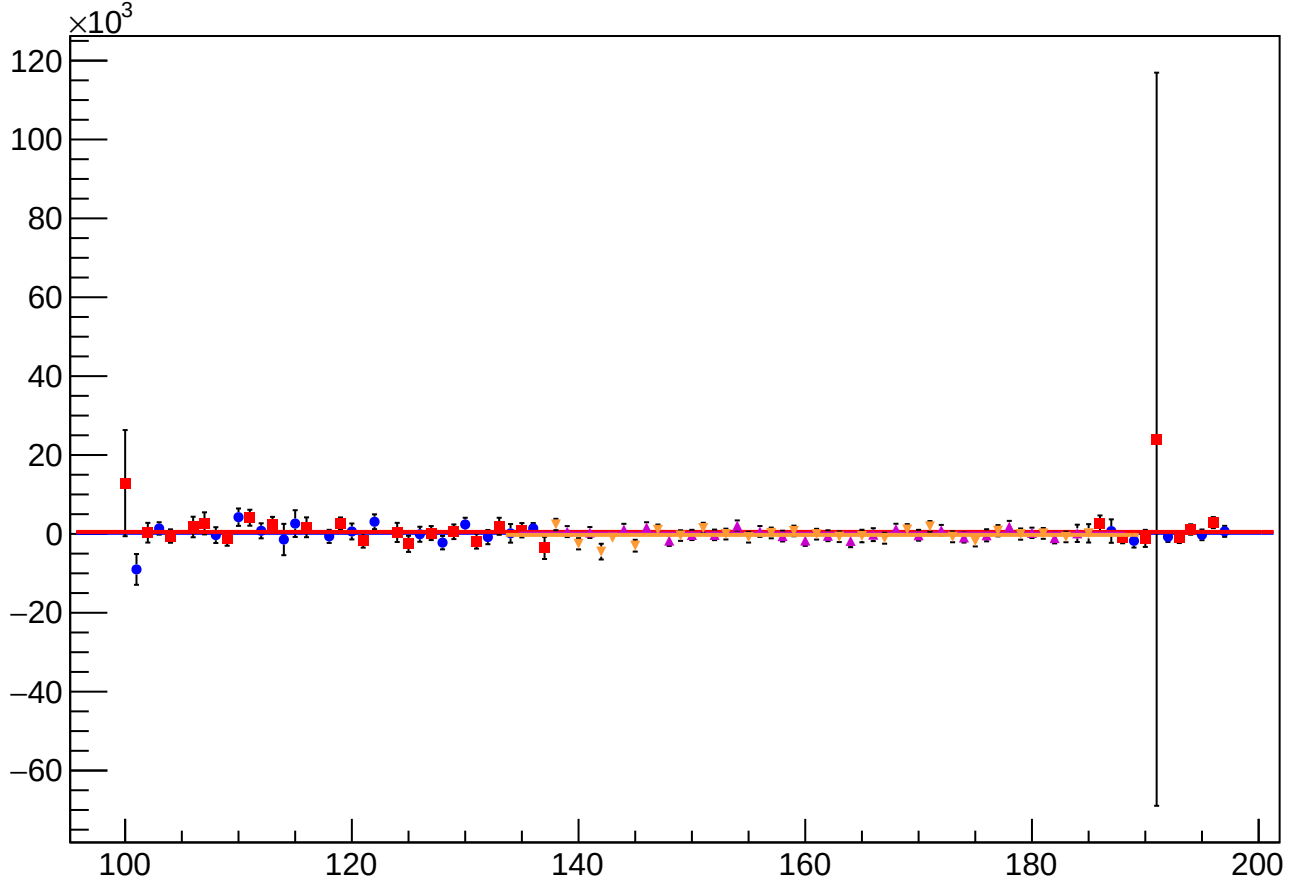
Right Out: 1282.071+/-0.277 χ^2/NDF: 2271097.3/25

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 680.185+/-0.094 χ^2/NDF: 7693299.5/45

All: 686.112+/-0.067 χ^2/NDF: 15619858.0/94

- sign 692.217+/-0.096 χ^2/NDF: 7918542.5/48



Right In: 272.532+/-396.650 χ^2/NDF: 19.8/20

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 504.105+/-379.649 χ^2/NDF: 23.5/25

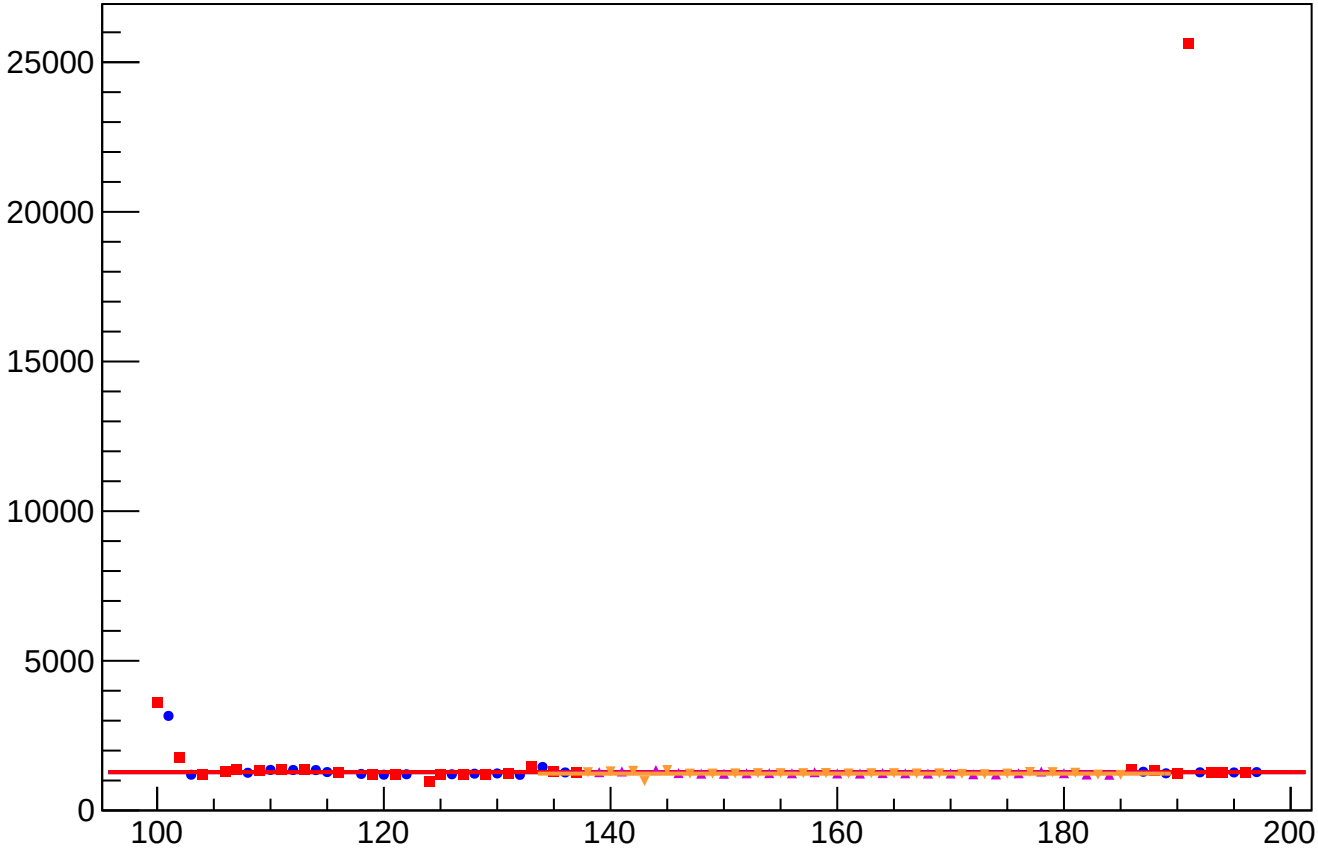
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -76.847+/-228.706 χ^2/NDF: 45.0/45

All: 76.922+/-162.590 χ^2/NDF: 84.2/94

- sign 234.045+/-231.187 χ^2/NDF: 38.3/48

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1277.765+/-0.280 χ^2/NDF: 508257.4/20

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

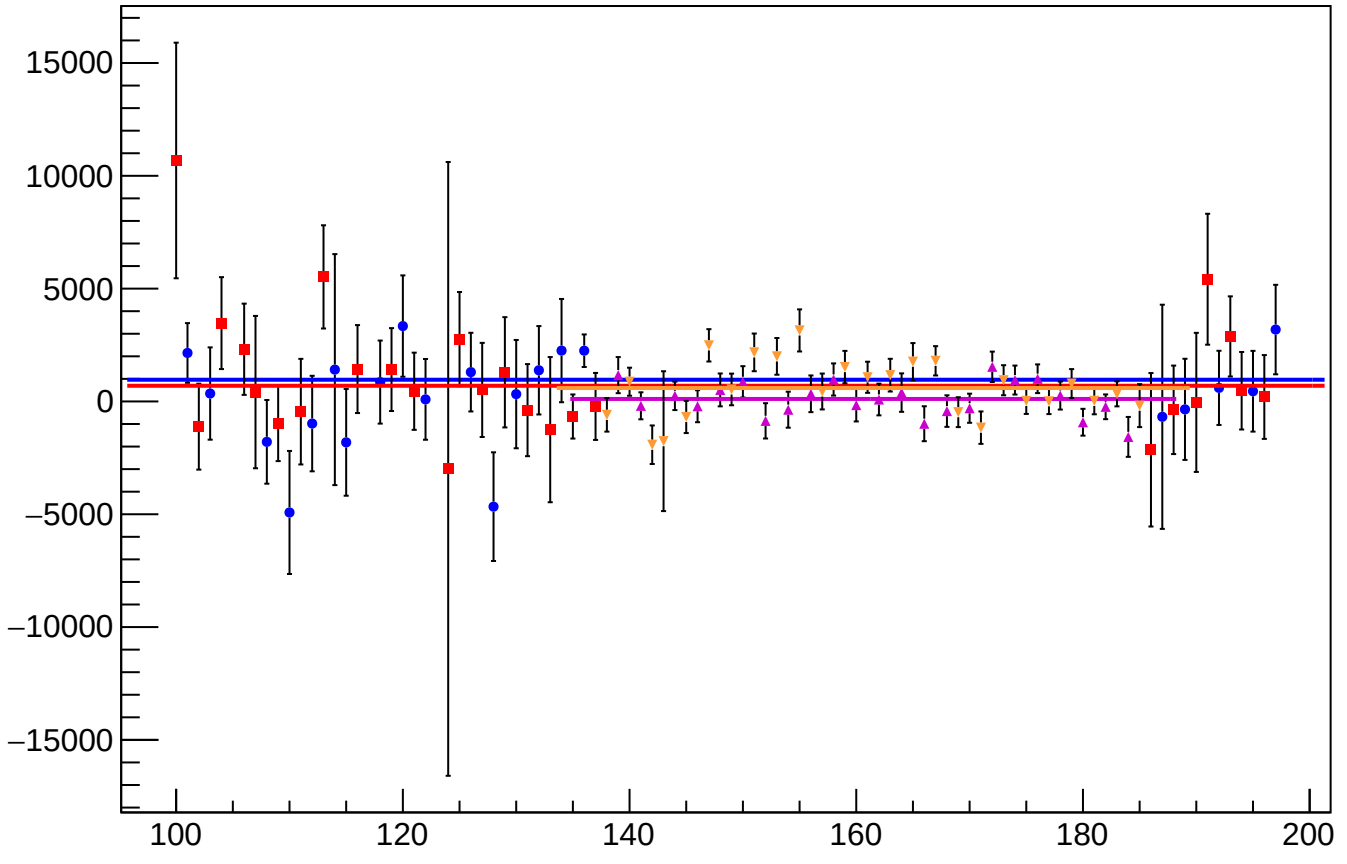
Right Out: 1281.098+/-0.268 χ^2/NDF: 368618.2/25

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1245.871+/-0.162 χ^2/NDF: 669235.6/45

All: 1252.927+/-0.115 χ^2/NDF: 1078732.9/94

- sign 1260.138+/-0.163 χ^2/NDF: 405647.6/48



Right In: 962.299+/-386.133 χ^2/NDF: 22.3/20

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

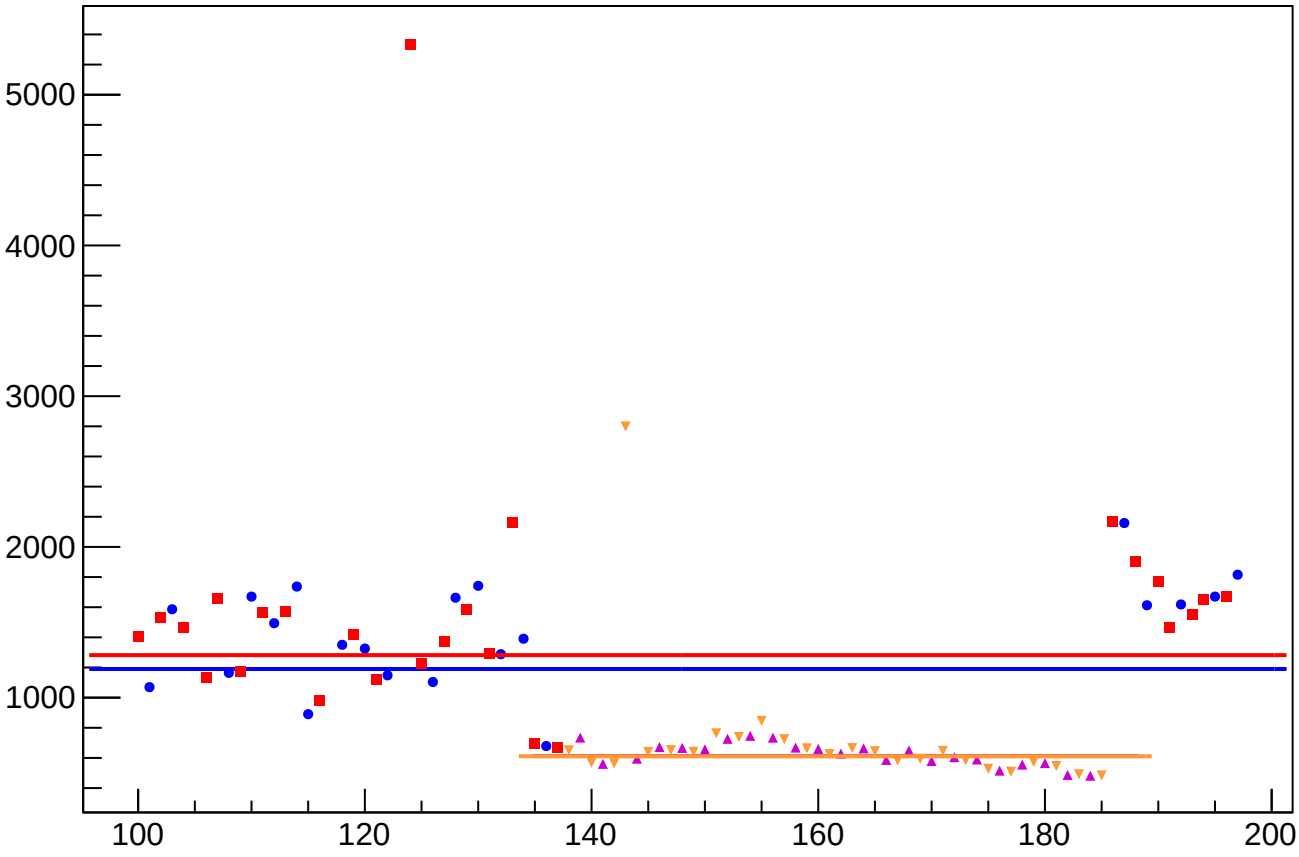
Right Out: 695.400+/-392.091 χ^2/NDF: 22.5/25

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 638.827+/-133.382 χ^2/NDF: 80.4/45

All: 412.795+/-95.008 χ^2/NDF: 136.4/94

- sign 179.994+/-135.364 χ^2/NDF: 50.1/48



Right In: 1190.188+/-0.273 χ^2/NDF: 2112242.6/20

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1282.077+/-0.277 χ^2/NDF: 2271024.5/25

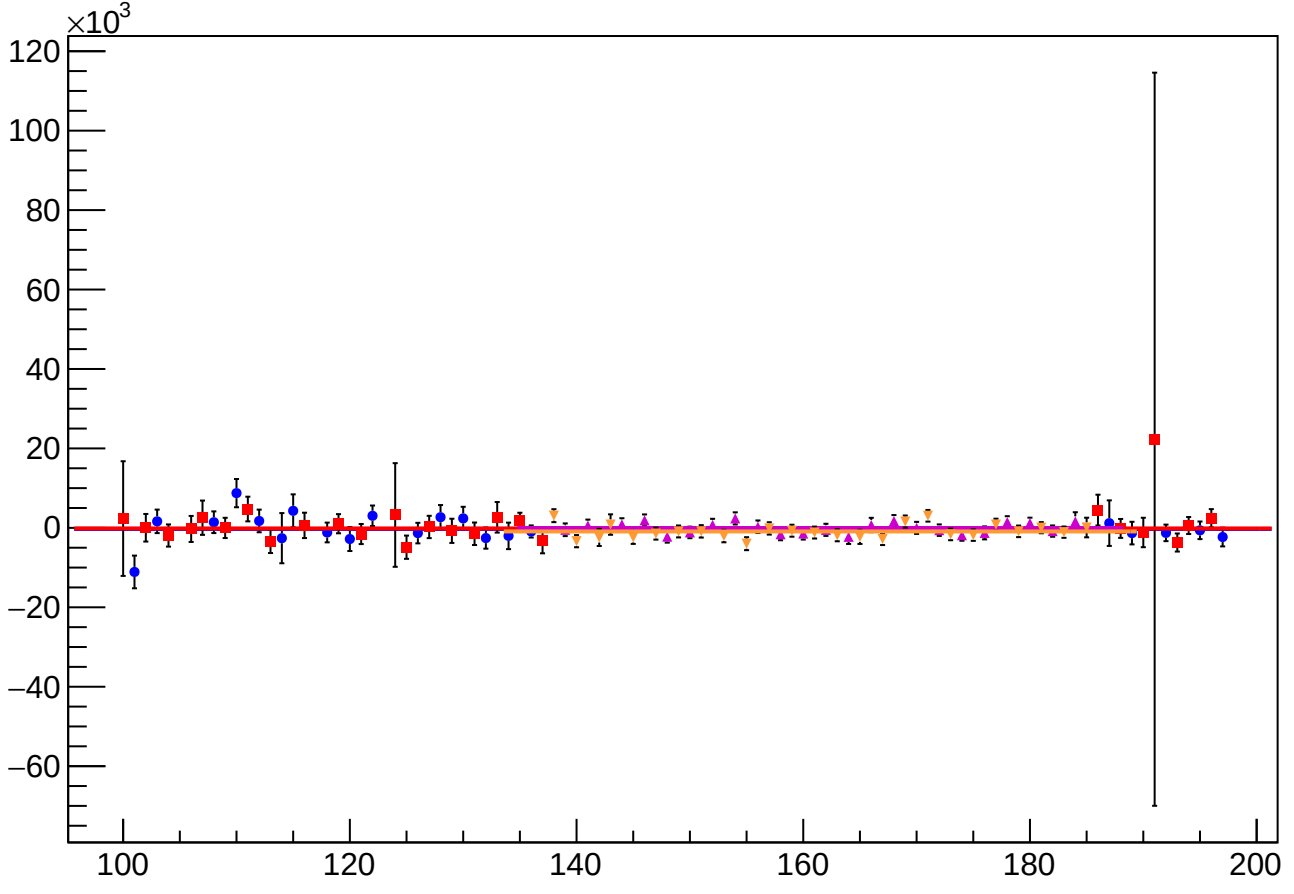
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 680.186+/-0.094 χ^2/NDF: 7693281.0/45

All: 686.112+/-0.067 χ^2/NDF: 15619846.7/94

- sign 692.216+/-0.096 χ^2/NDF: 7918550.4/48

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -267.405+/-596.131 χ^2/NDF: 22.8/20

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -157.636+/-581.141 χ^2/NDF: 15.7/25

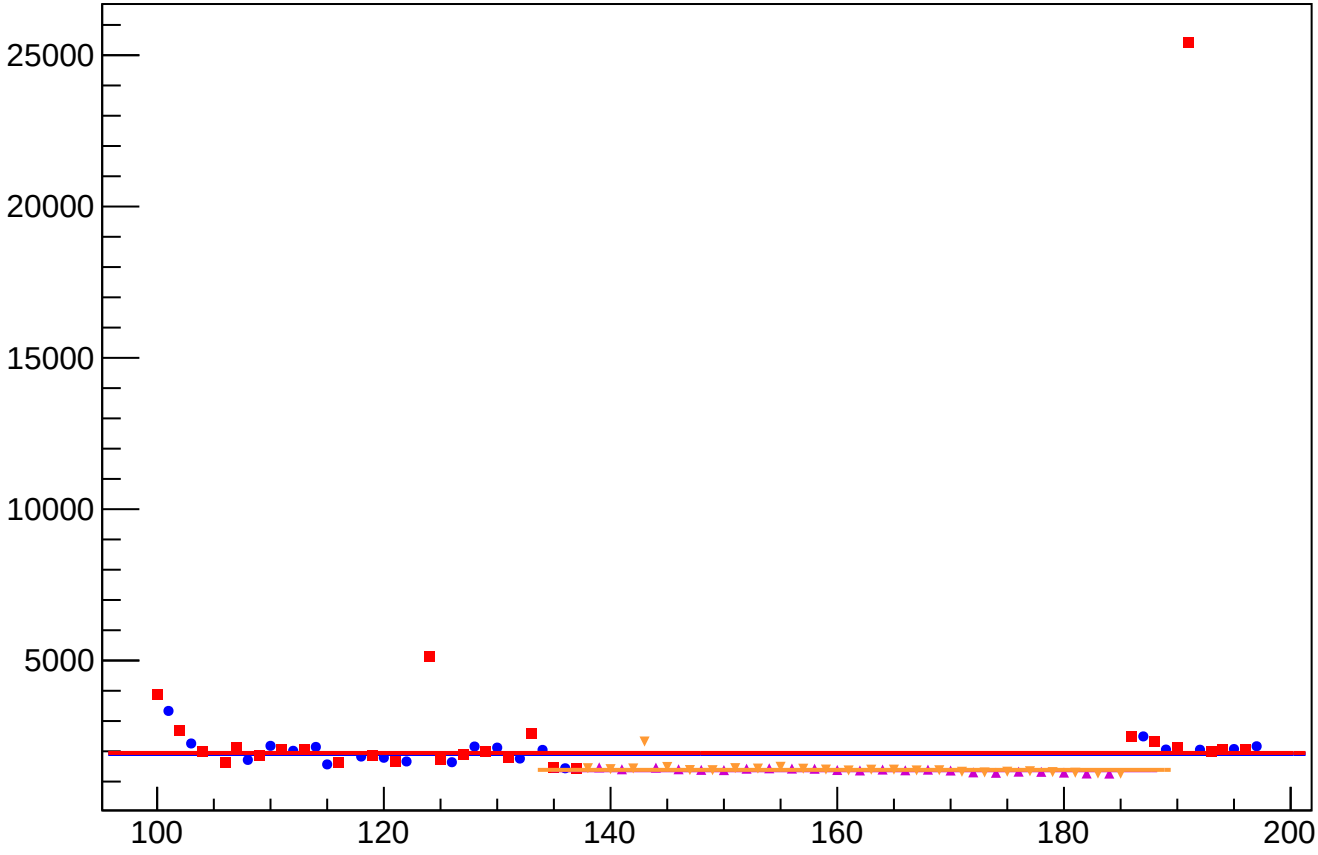
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -760.848+/-279.509 χ^2/NDF: 53.5/45

All: -419.054+/-198.146 χ^2/NDF: 90.1/94

- sign -73.758+/-280.937 χ^2/NDF: 33.6/48

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1911.160+/-0.422 χ^2/NDF: 647330.7/20

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

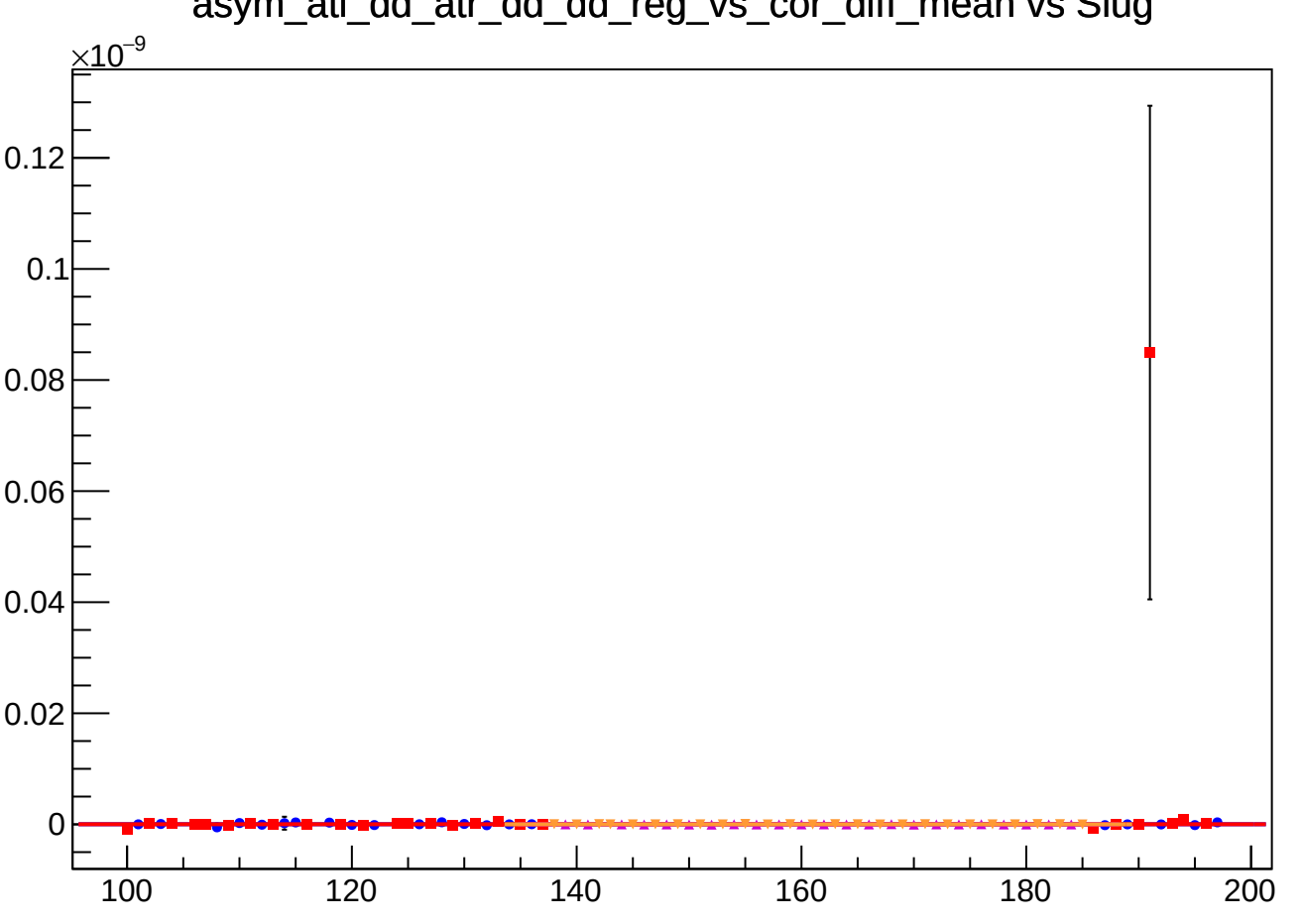
Right Out: 1945.800+/-0.411 χ^2/NDF: 788750.2/25

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1502.111+/-0.198 χ^2/NDF: 2194153.7/45

All: 1504.558+/-0.140 χ^2/NDF: 4535496.6/94

- sign 1507.030+/-0.199 χ^2/NDF: 2341034.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

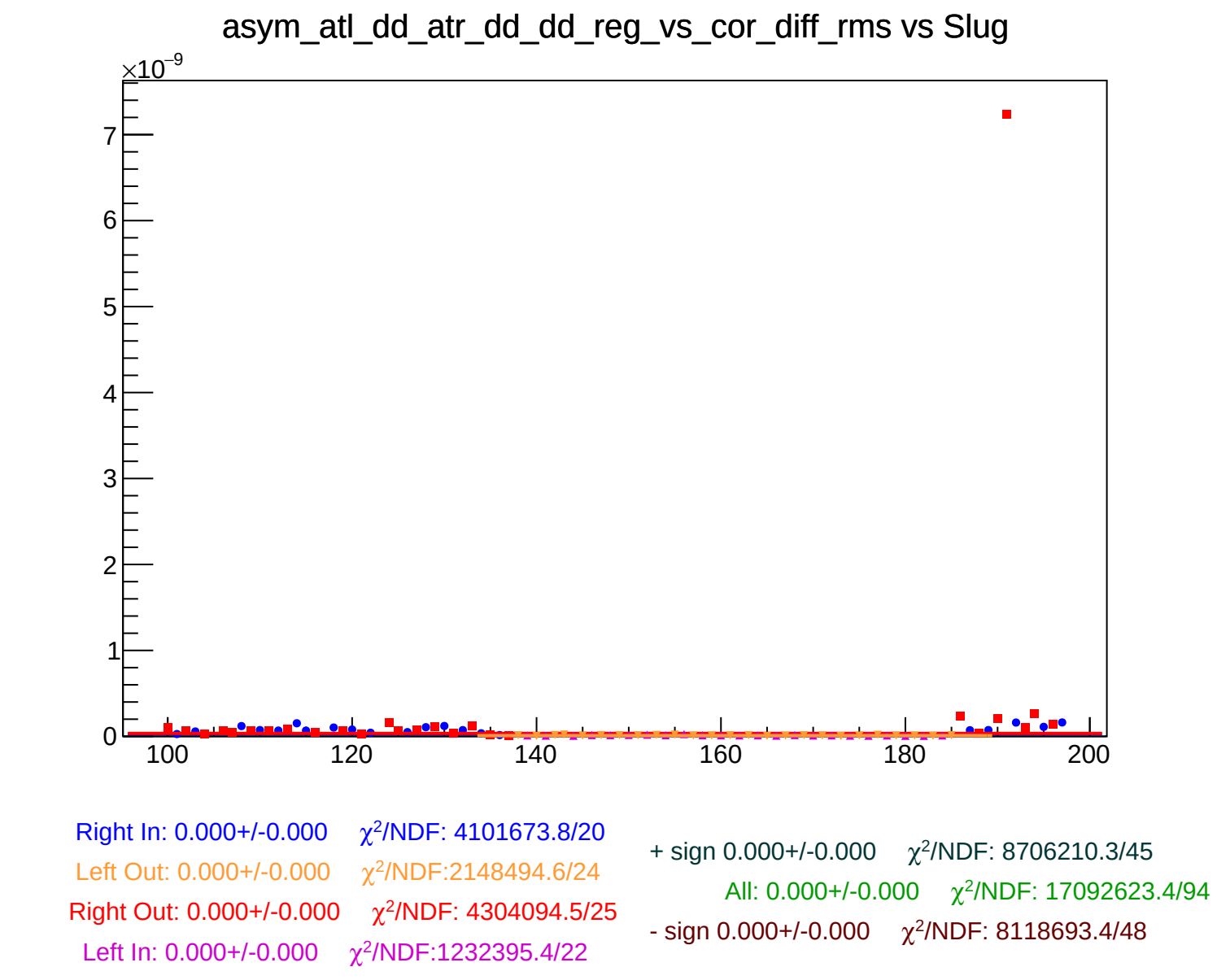
Right Out: 0.000+/-0.000 χ^2/NDF: 39.8/25

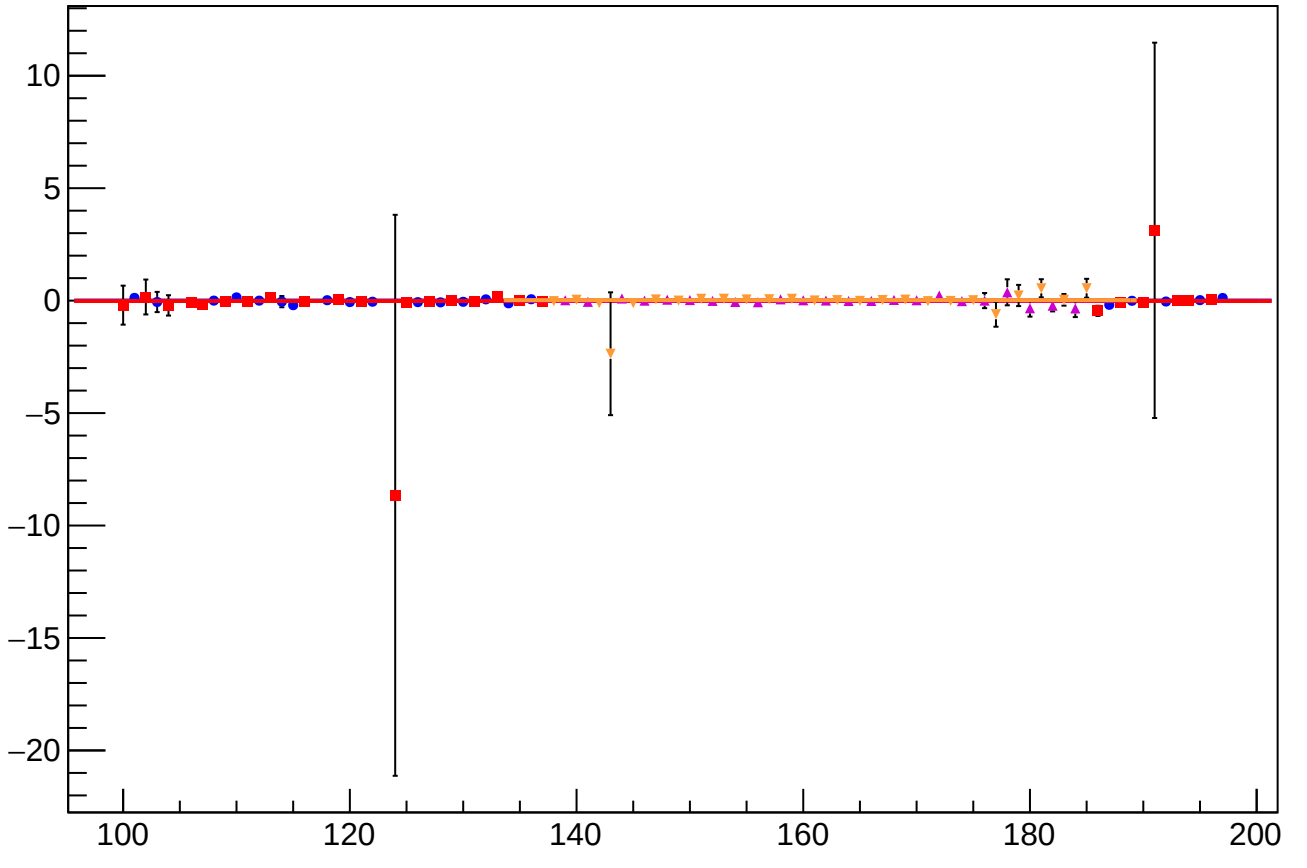
Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.4/45

All: 0.000+/-0.000 χ^2/NDF: 99.6/94

- sign -0.000+/-0.000 χ^2/NDF: 54.5/48


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0
1
2
3
4
5
6
7
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4101673.8/20
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 4304094.5/25
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 8706210.3/45
All: 0.000+/-0.000 χ²/NDF: 17092623.4/94
- sign 0.000+/-0.000 χ²/NDF: 8118693.4/48



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

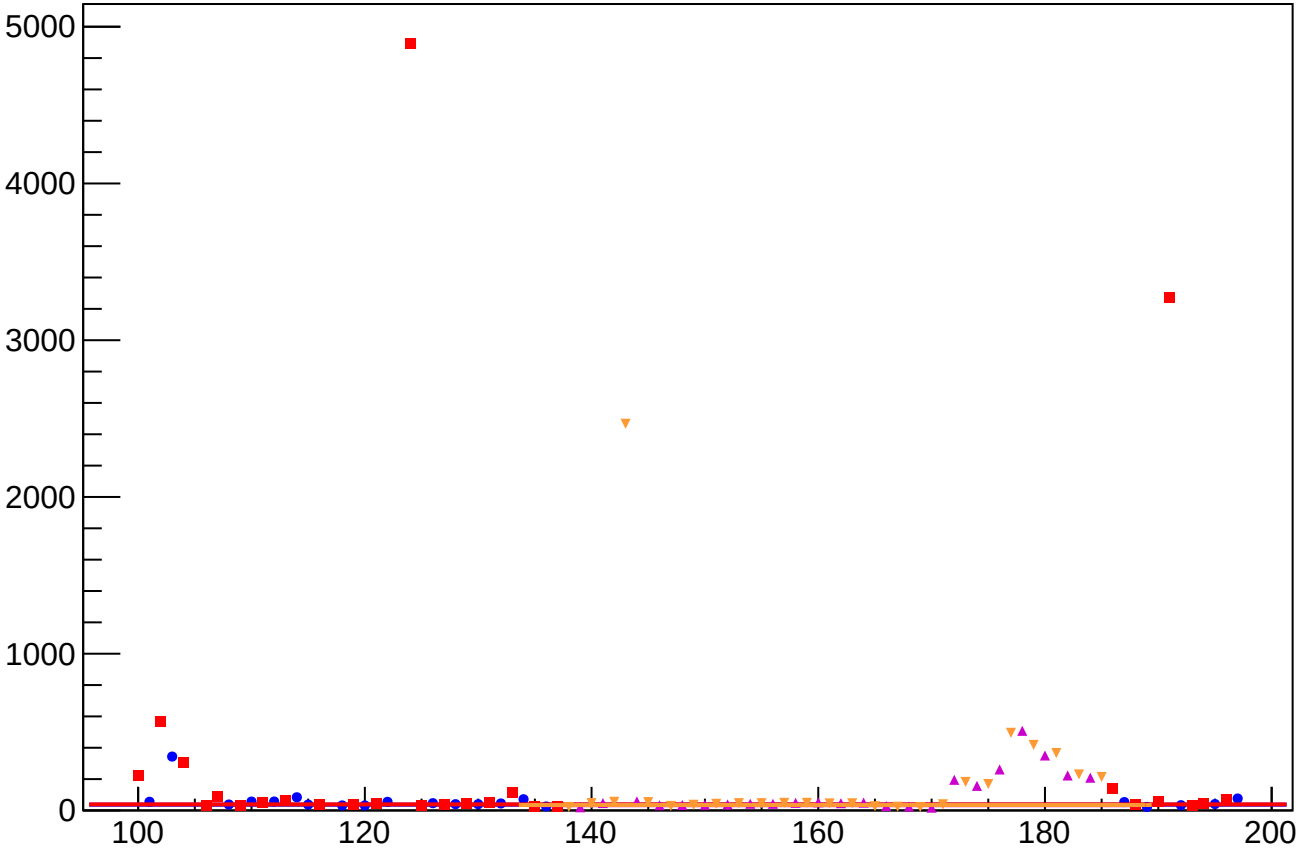
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.0/45

All: 0.008+/-0.006 χ^2/NDF: 88.7/94

- sign 0.001+/-0.008 χ^2/NDF: 38.0/48

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 36.716+/-0.009 χ^2/NDF: 2670680.1/20

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

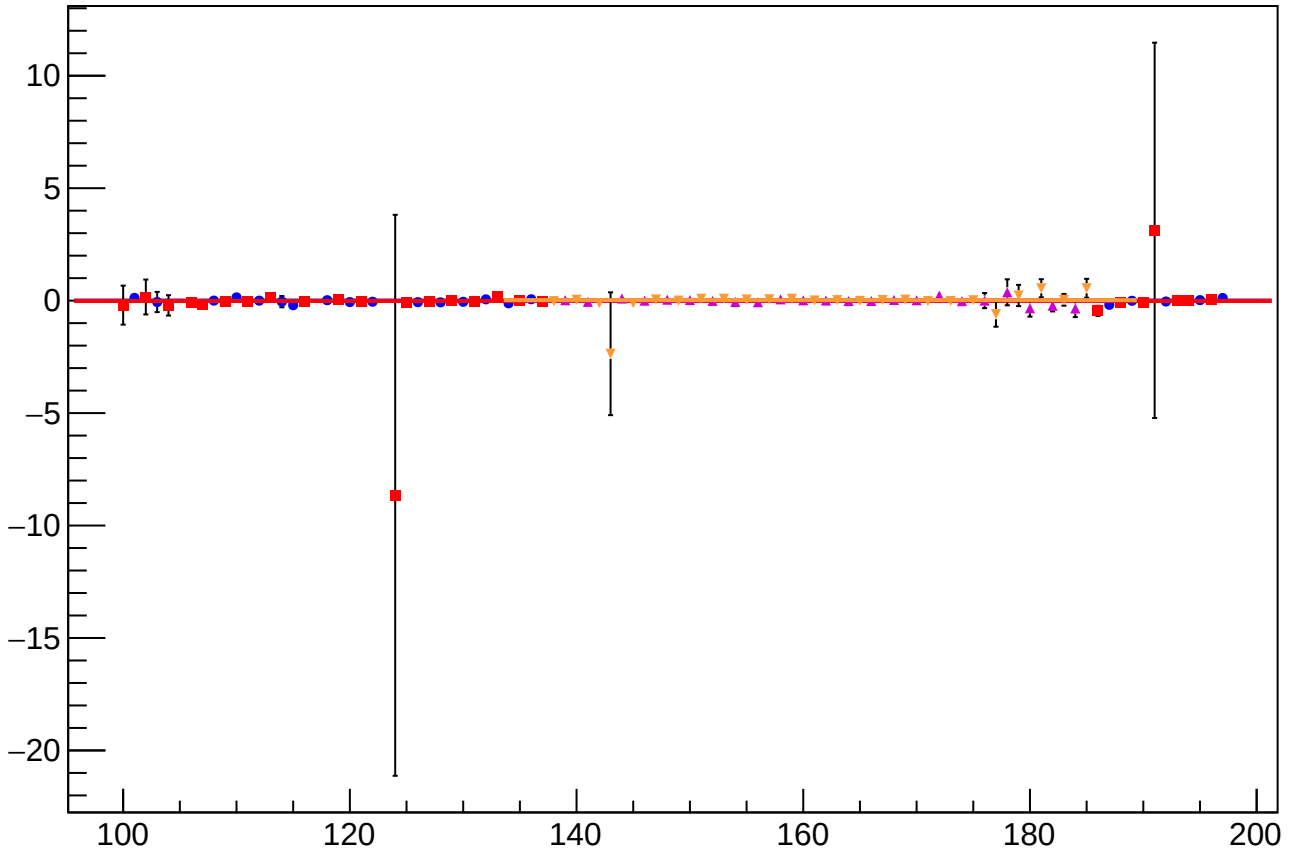
Right Out: 38.752+/-0.010 χ^2/NDF: 4394200.8/25

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.408+/-0.006 χ^2/NDF: 14104653.9/45

All: 35.406+/-0.004 χ^2/NDF: 28755552.8/94

\- sign 35.404+/-0.006 χ^2/NDF: 14650898.6/48



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

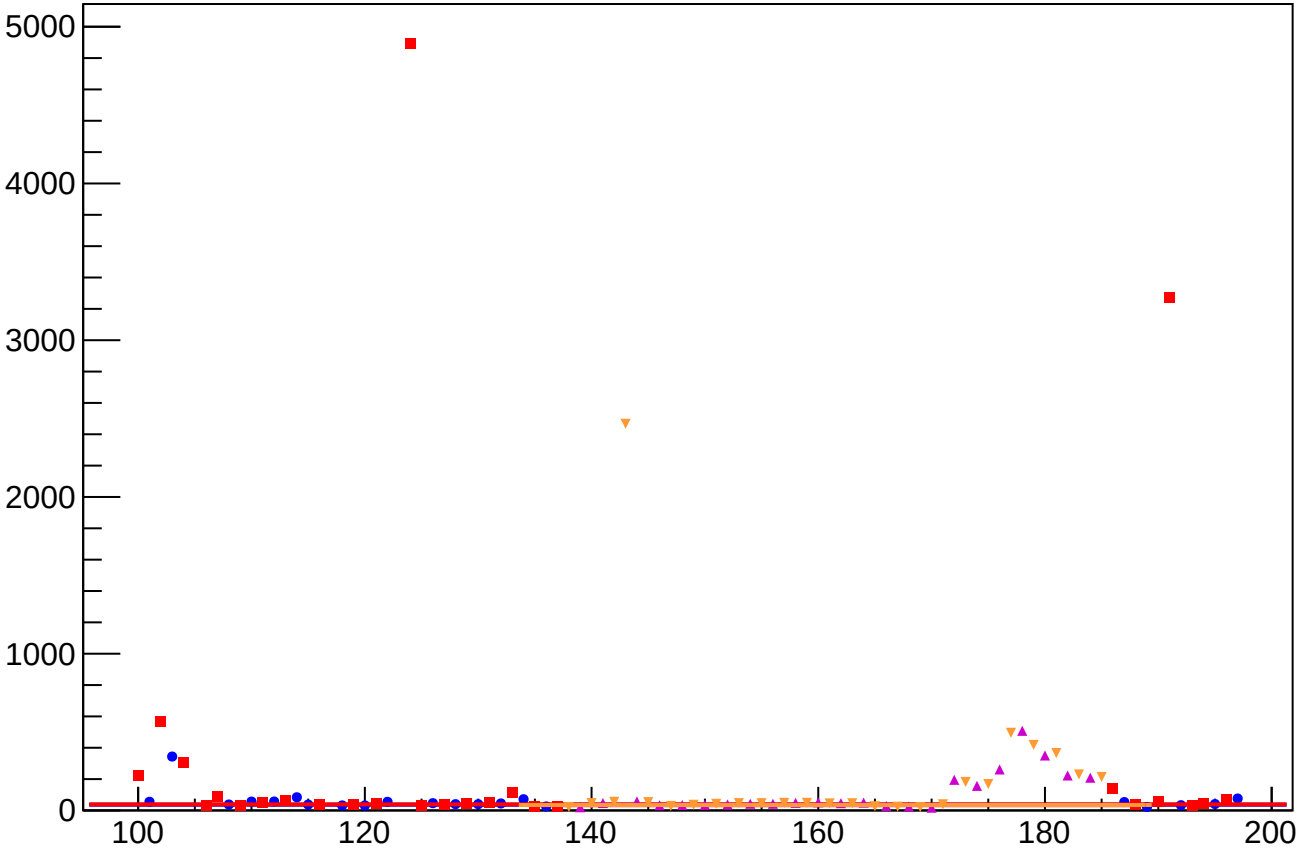
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.0/45

All: 0.008+/-0.006 χ^2/NDF: 88.7/94

- sign 0.001+/-0.008 χ^2/NDF: 38.0/48

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.716+/-0.009 χ^2/NDF: 2670680.1/20

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

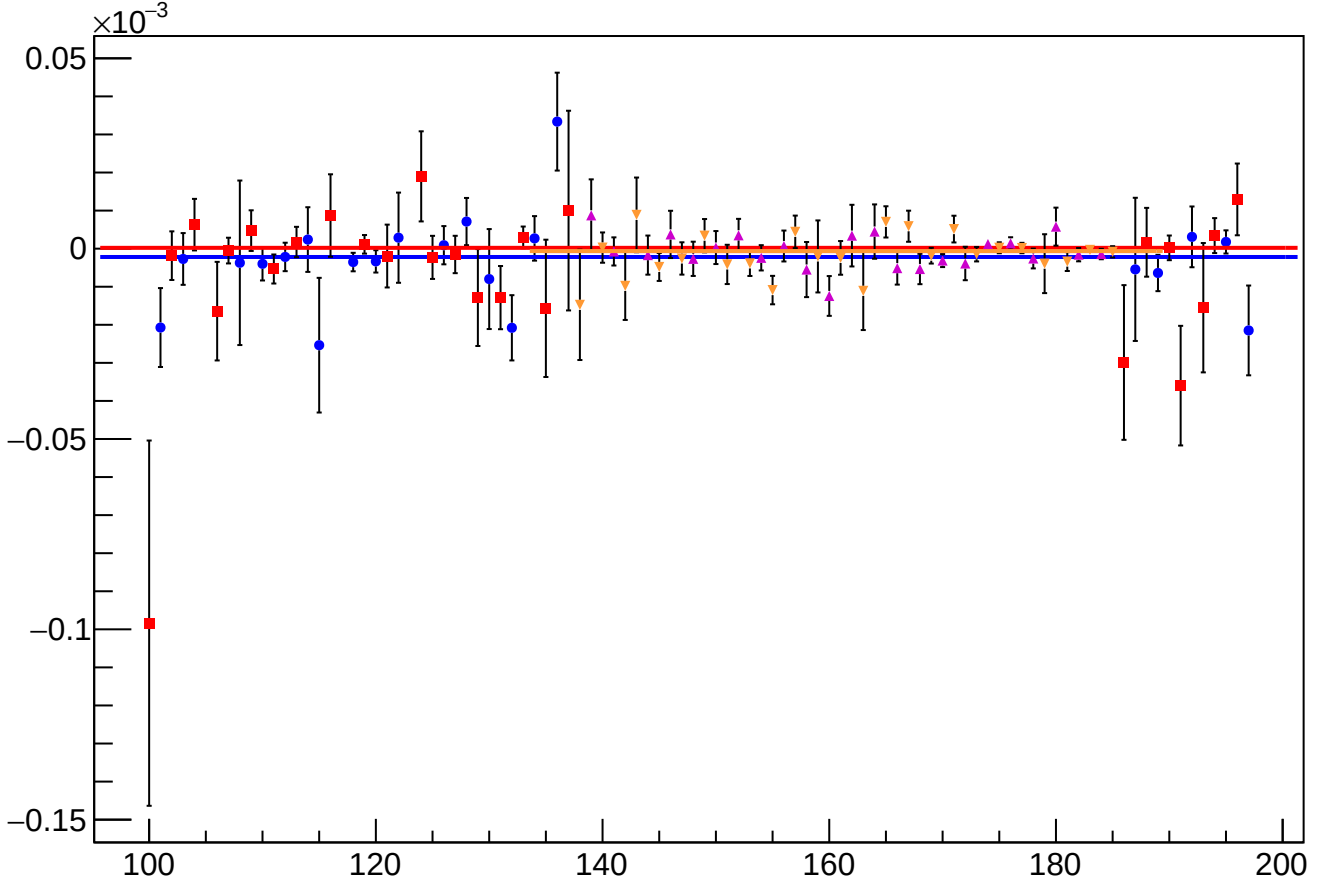
Right Out: 38.752+/-0.010 χ^2/NDF: 4394200.8/25

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.408+/-0.006 χ^2/NDF: 14104653.9/45

All: 35.406+/-0.004 χ^2/NDF: 28755552.8/94

\- sign 35.404+/-0.006 χ^2/NDF: 14650898.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

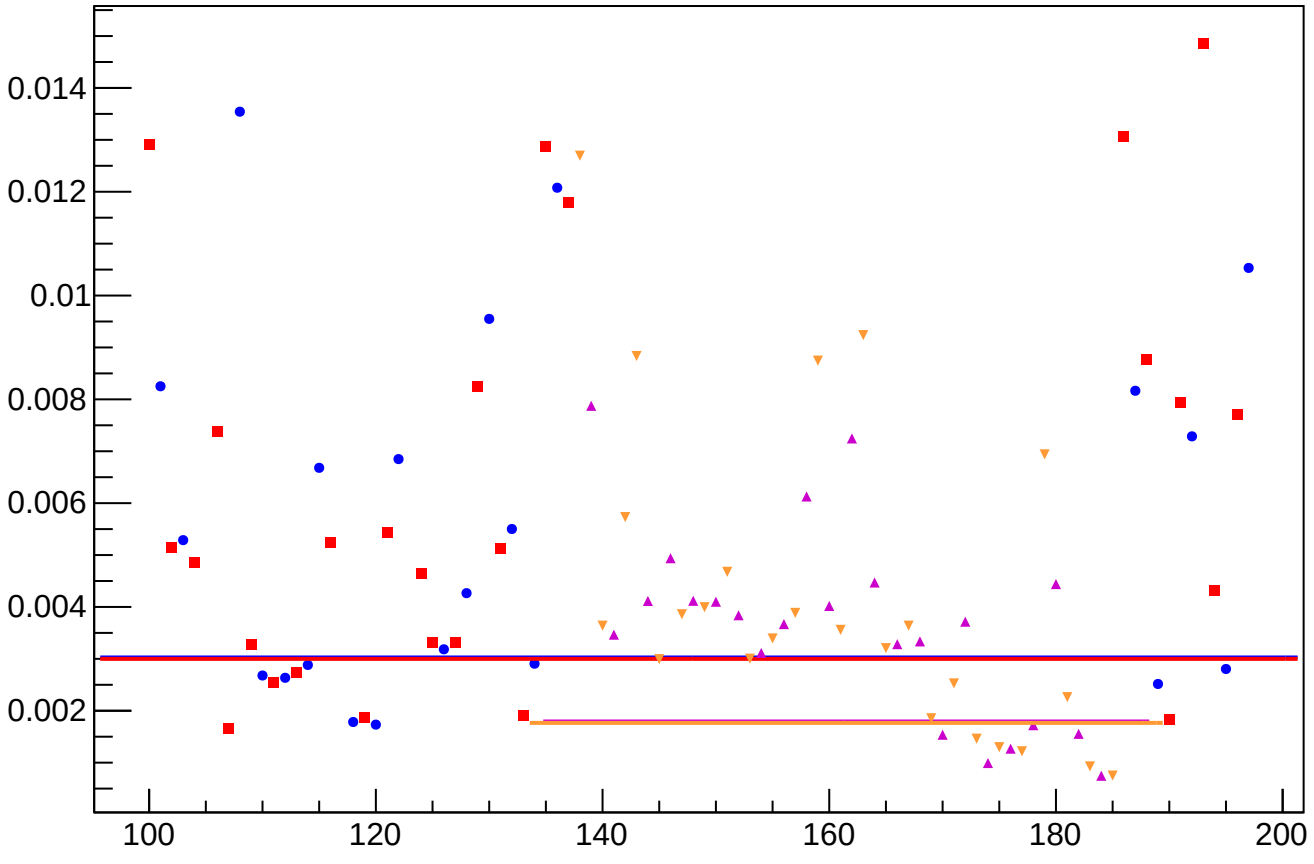
Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/25

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/45

All: -0.000+/-0.000 χ^2/NDF: 109.9/94

- sign -0.000+/-0.000 χ^2/NDF: 52.0/48



Right In: 0.003+/-0.000 χ^2/NDF: 5742320.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

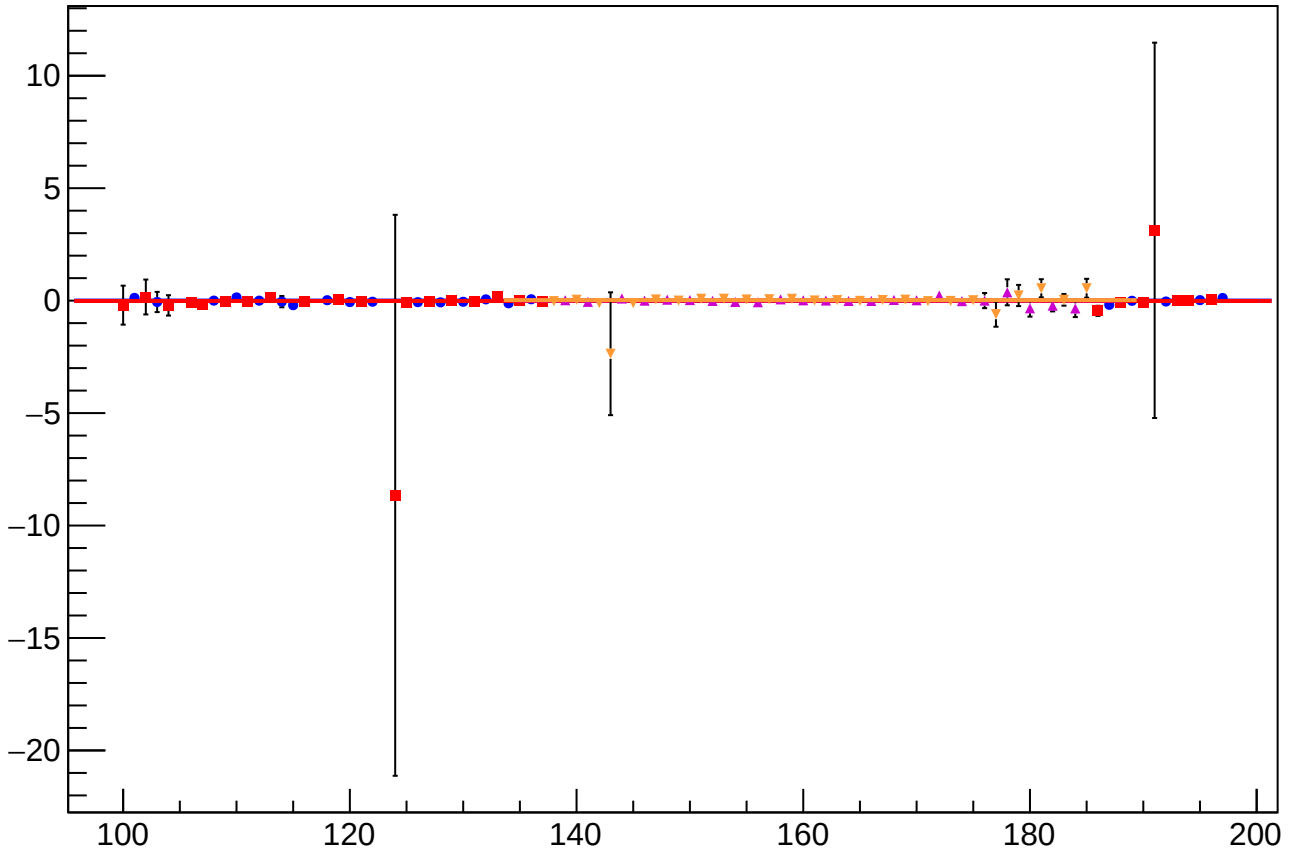
Right Out: 0.003+/-0.000 χ^2/NDF: 6784923.1/25

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

\+ sign 0.002+/-0.000 χ^2/NDF: 20690319.3/45

All: 0.002+/-0.000 χ^2/NDF: 40336446.5/94

\- sign 0.002+/-0.000 χ^2/NDF: 19623746.9/48



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

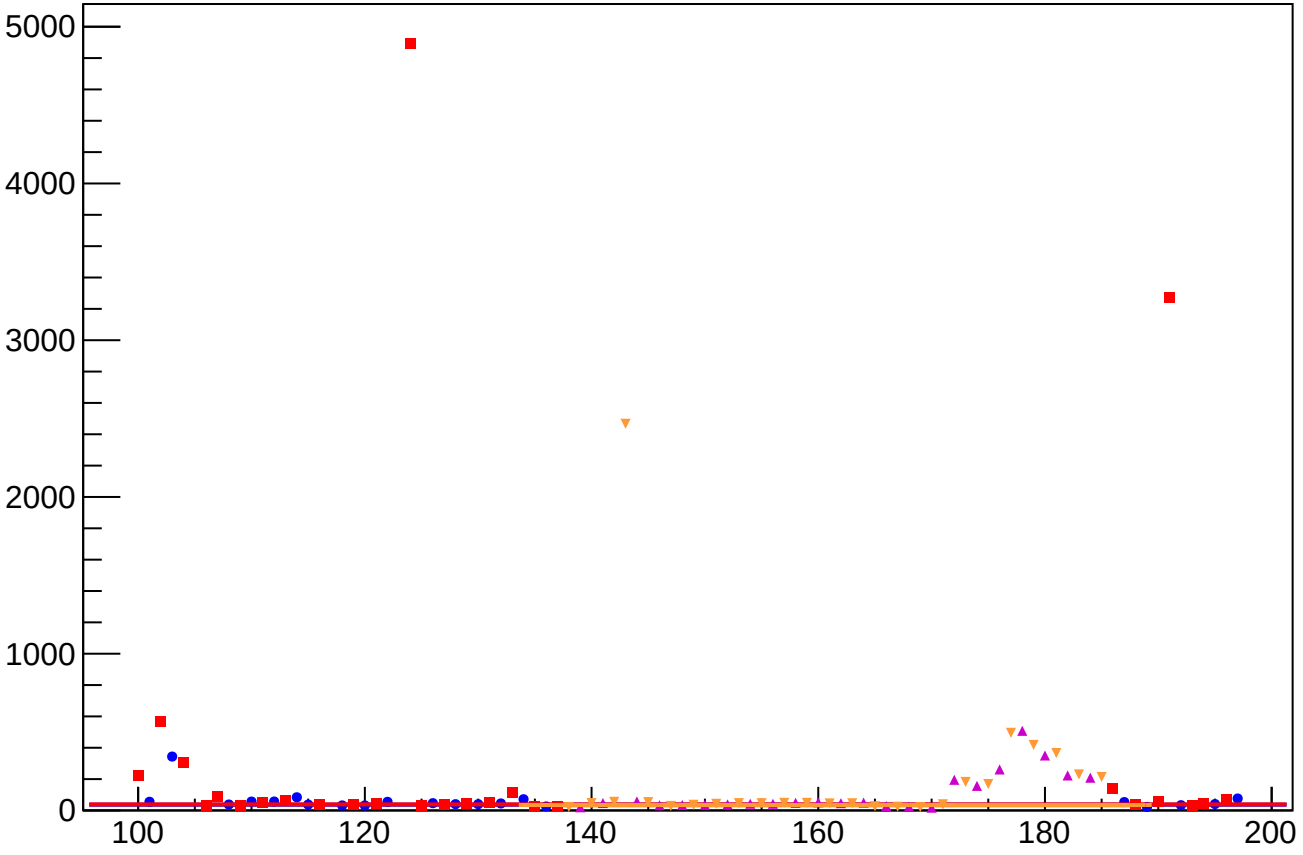
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/45

All: 0.008+/-0.006 χ^2/NDF: 88.7/94

- sign 0.001+/-0.008 χ^2/NDF: 38.0/48

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.718+/-0.009 χ^2/NDF: 2669928.9/20

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

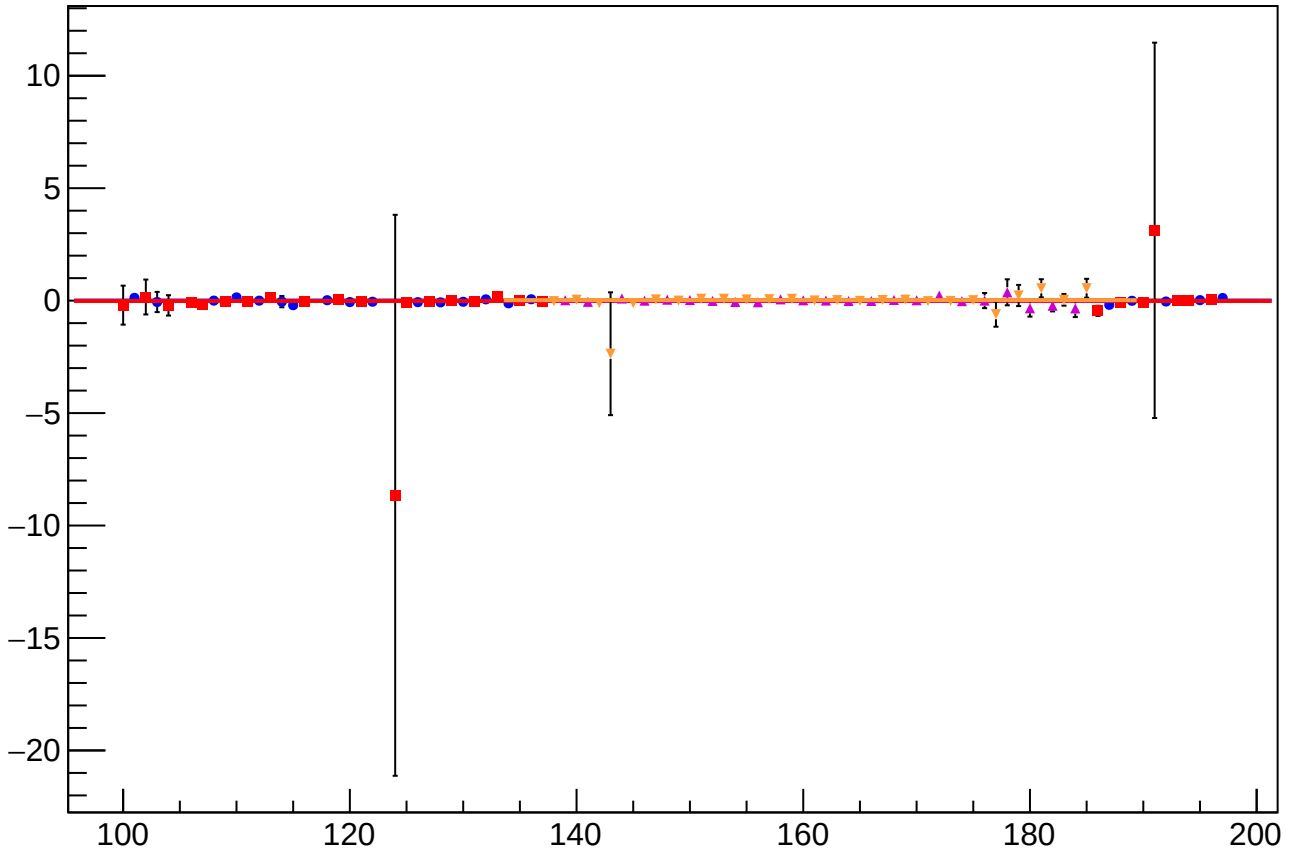
Right Out: 38.752+/-0.010 χ^2/NDF: 4393891.6/25

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.408+/-0.006 χ^2/NDF: 14104111.1/45

All: 35.407+/-0.004 χ^2/NDF: 28753302.6/94

\- sign 35.406+/-0.006 χ^2/NDF: 14649191.4/48



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

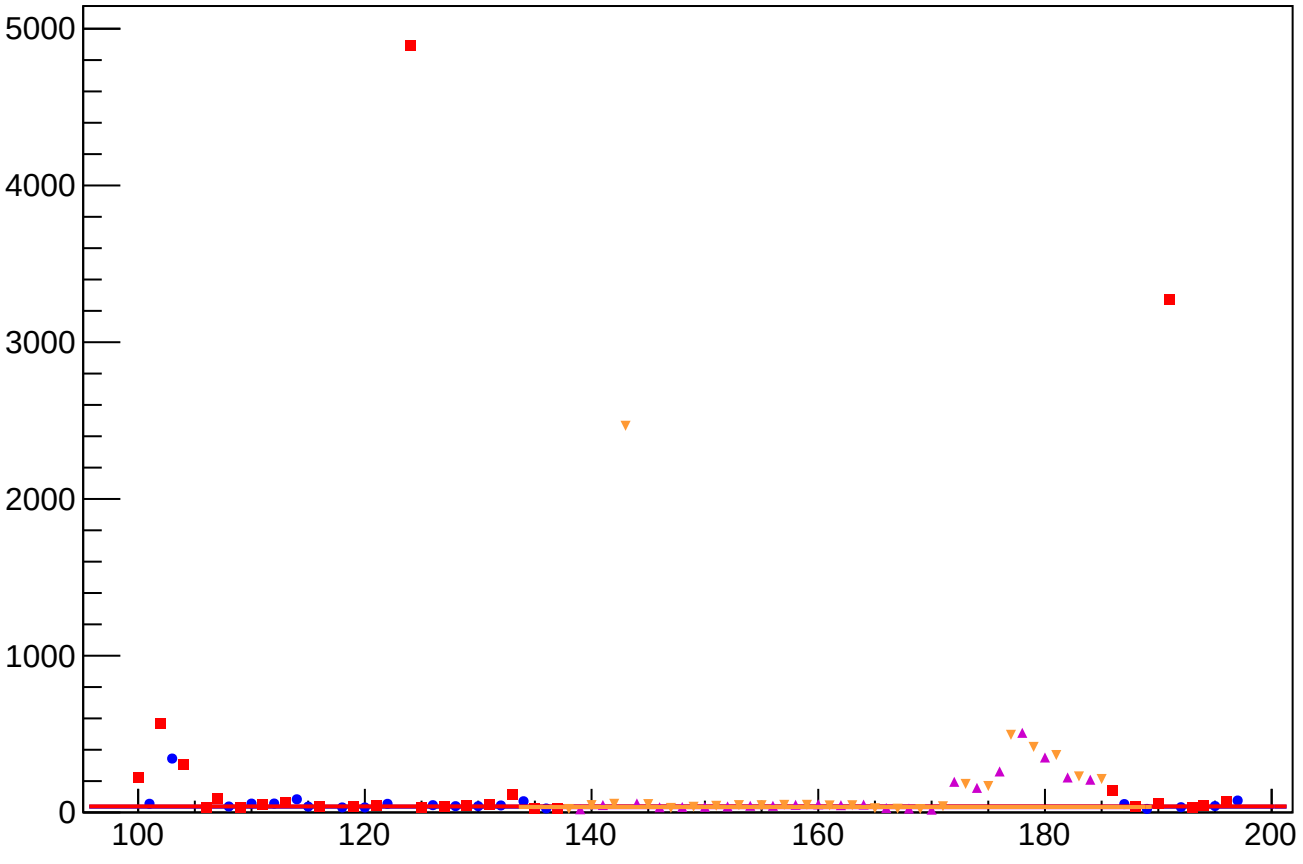
Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/45

All: 0.008+/-0.006 χ^2/NDF: 88.7/94

- sign 0.001+/-0.008 χ^2/NDF: 38.0/48



Right In: 36.718+/-0.009 χ^2/NDF: 2669928.9/20

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

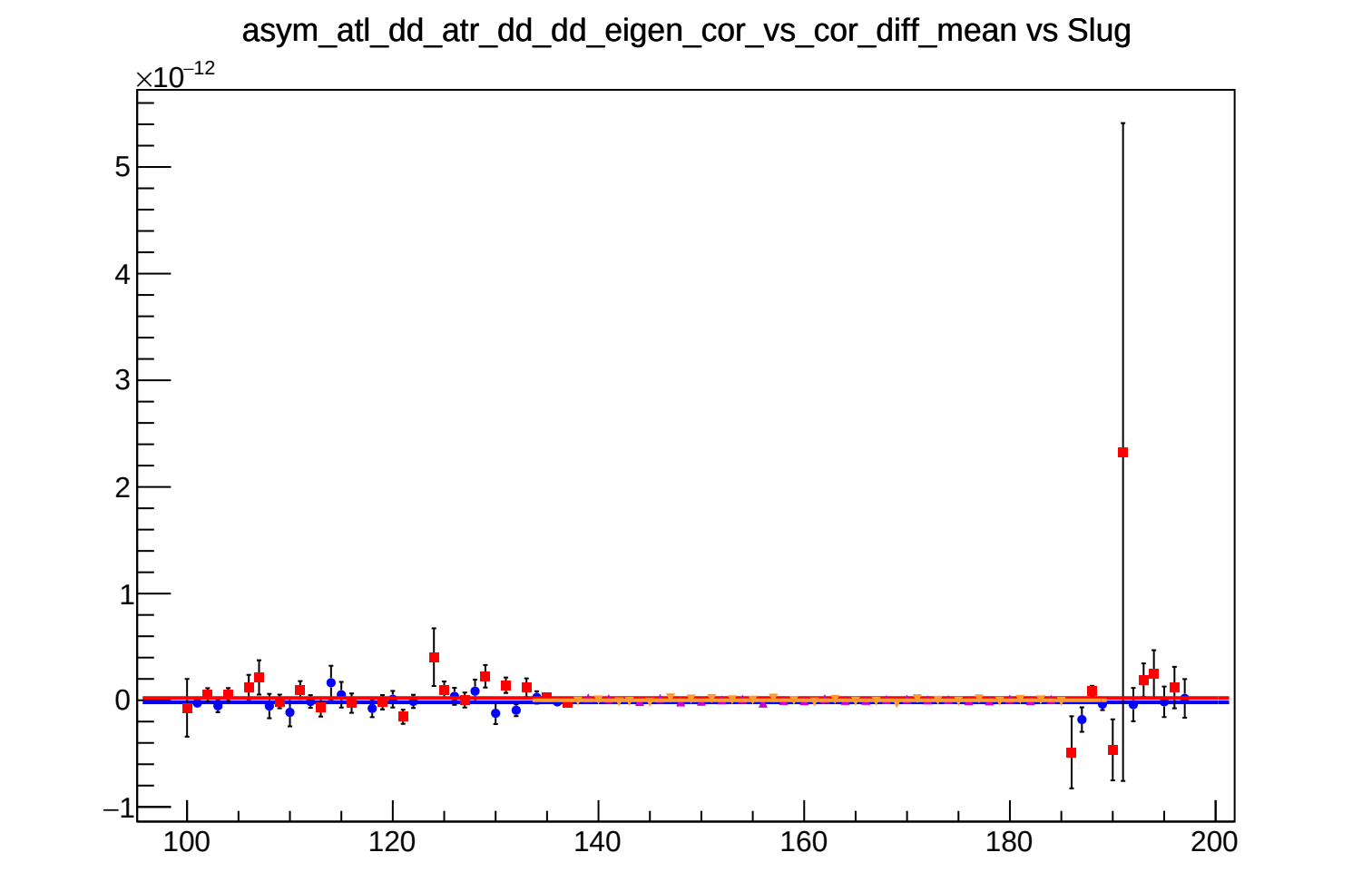
Right Out: 38.752+/-0.010 χ^2/NDF: 4393891.6/25

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.408+/-0.006 χ^2/NDF: 14104111.1/45

All: 35.407+/-0.004 χ^2/NDF: 28753302.6/94

- sign 35.406+/-0.006 χ^2/NDF: 14649191.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

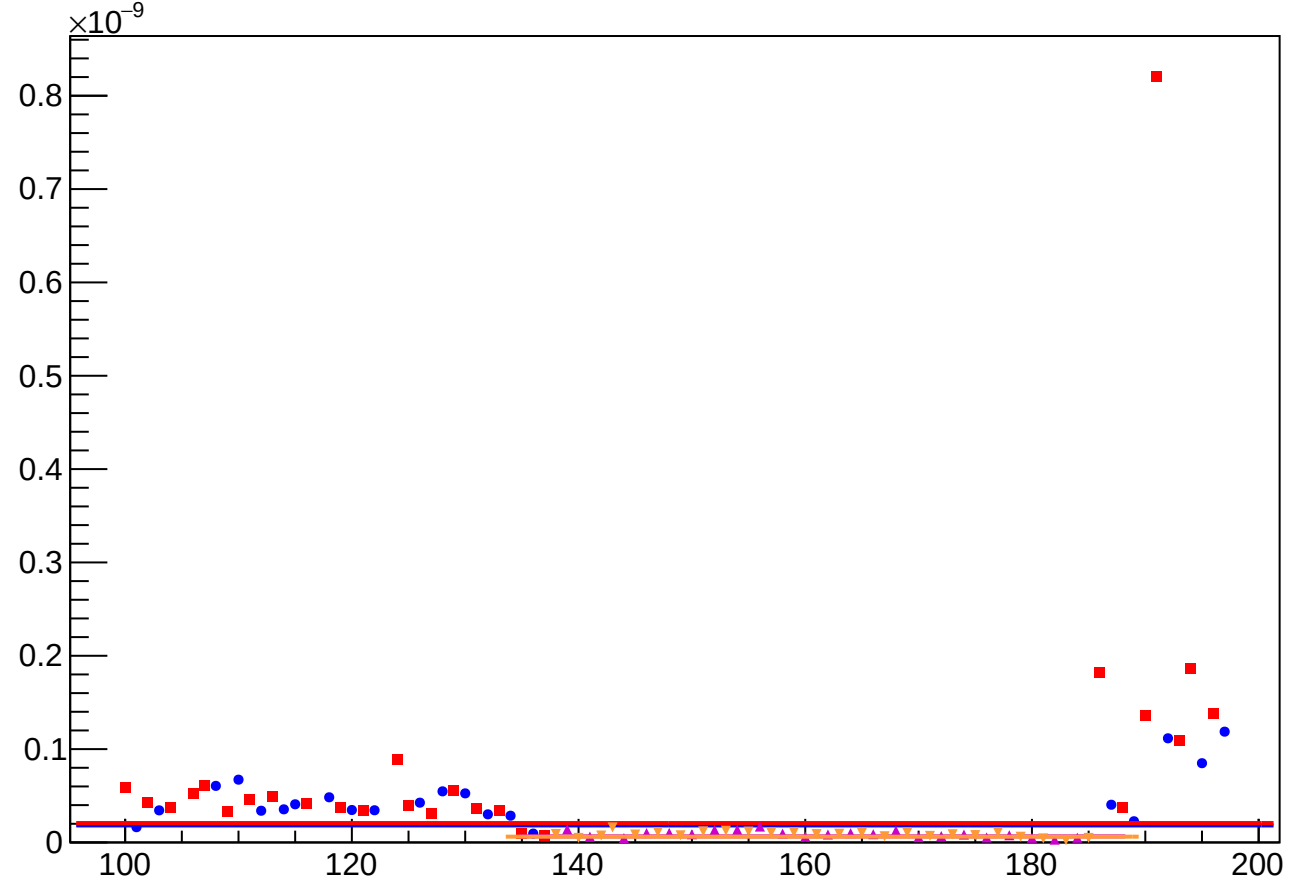
Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/25

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/45

All: 0.000+/-0.000 χ^2/NDF: 102.5/94

- sign 0.000+/-0.000 χ^2/NDF: 60.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 5095789.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7372224.8/25

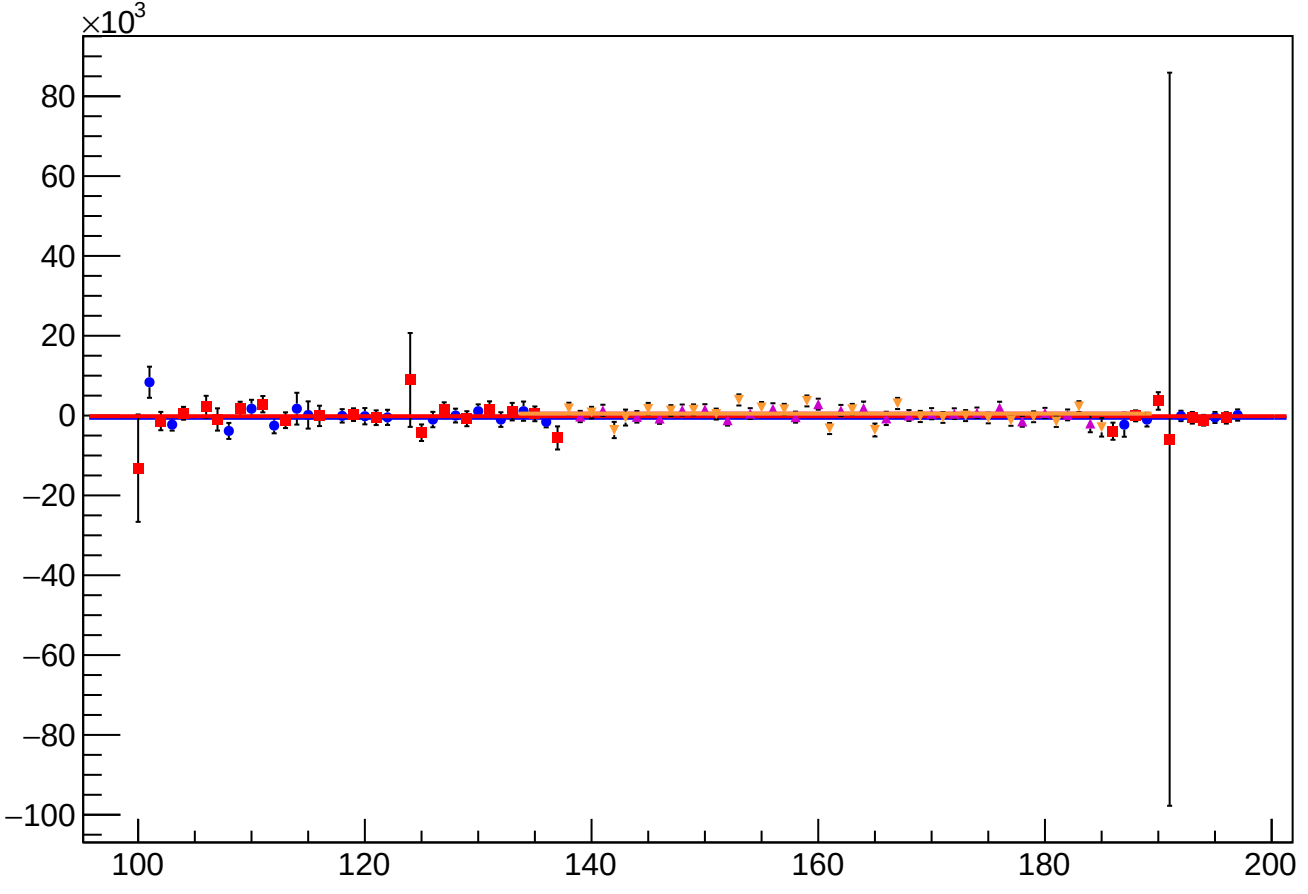
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13146973.8/45

All: 0.000+/-0.000 χ^2/NDF: 27971726.6/94

- sign 0.000+/-0.000 χ^2/NDF: 14799169.3/48

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -554.707+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.945+/-386.866 χ^2/NDF: 22.9/25

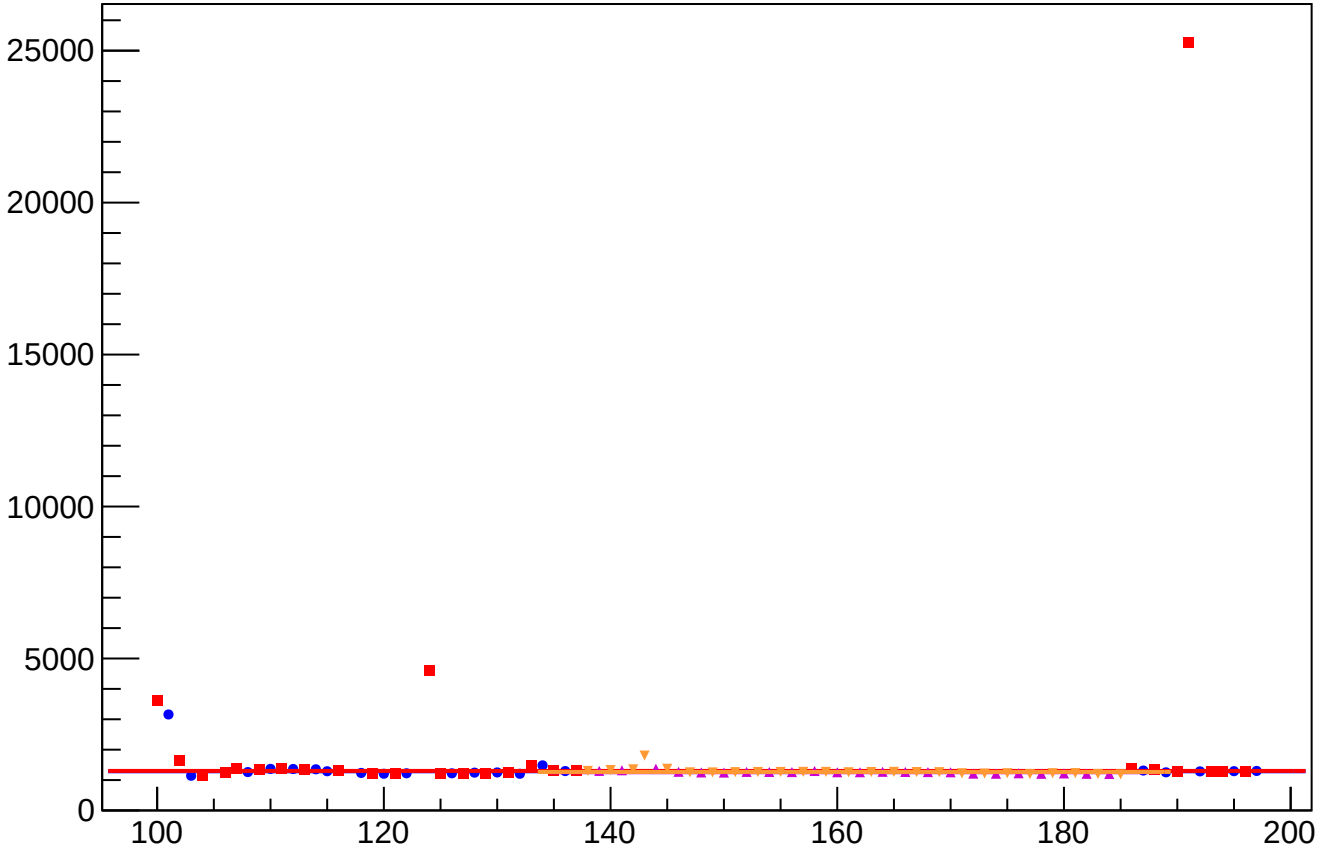
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 134.016+/-234.010 χ^2/NDF: 66.1/45

All: 192.708+/-165.453 χ^2/NDF: 105.3/94

- sign 251.375+/-233.960 χ^2/NDF: 39.1/48

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515758.7/20

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

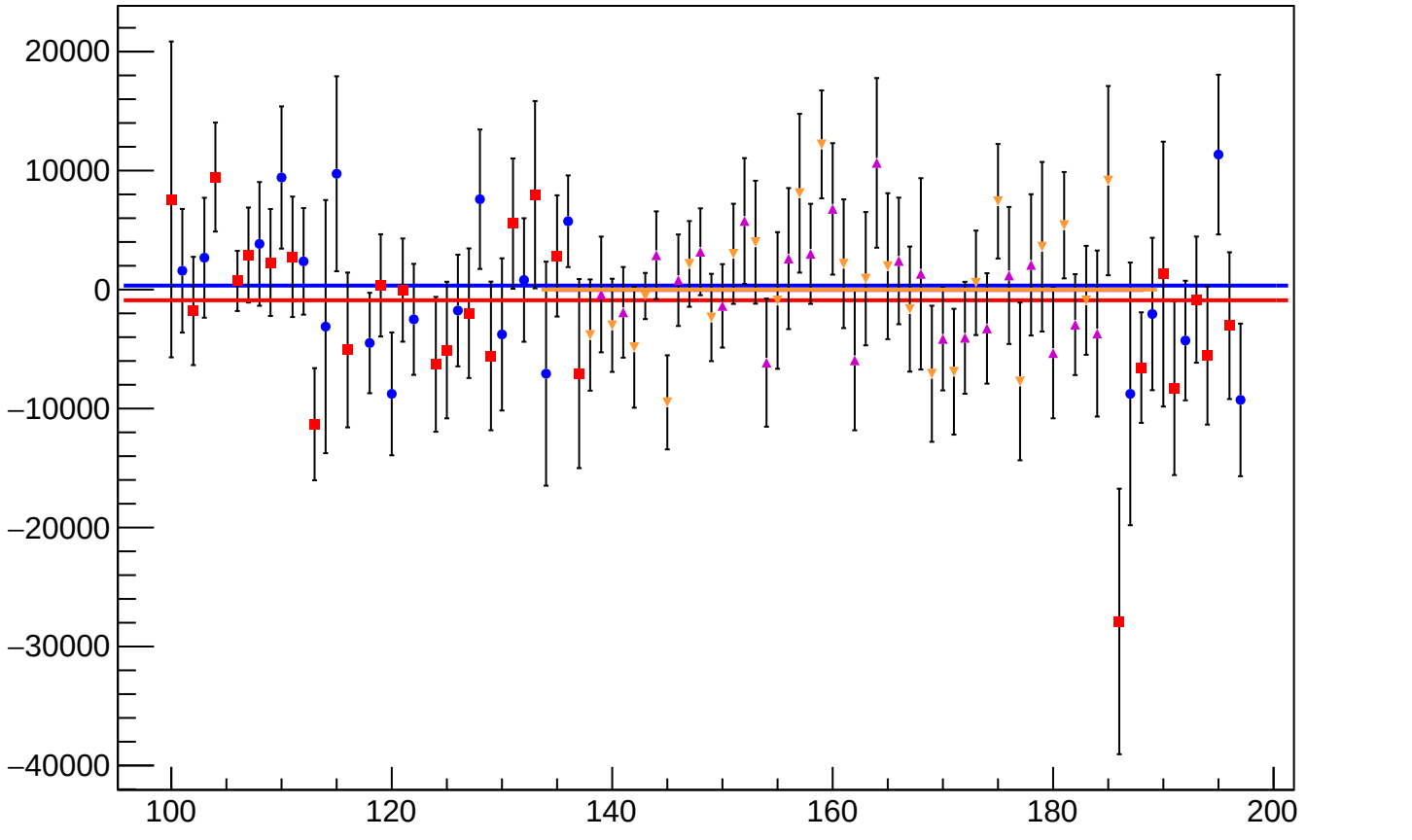
Right Out: 1300.693+/-0.273 χ^2/NDF: 465812.9/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707202.5/45

All: 1273.889+/-0.117 χ^2/NDF: 1225660.3/94

- sign 1273.363+/-0.165 χ^2/NDF: 518437.5/48



Right In: 334.878+/-1205.577 χ^2/NDF: 20.8/20

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

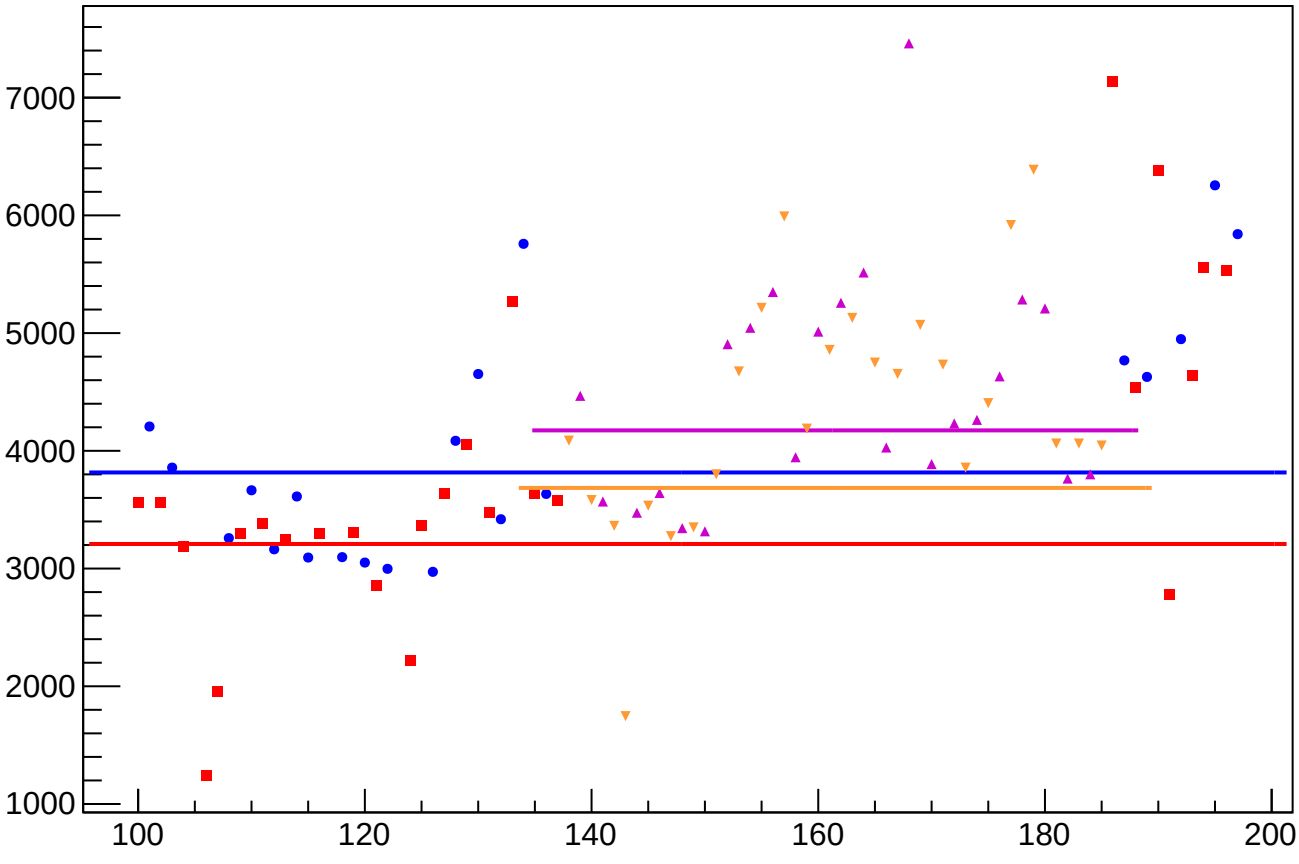
Right Out: -899.769+/-1008.735 χ^2/NDF: 28.3/25

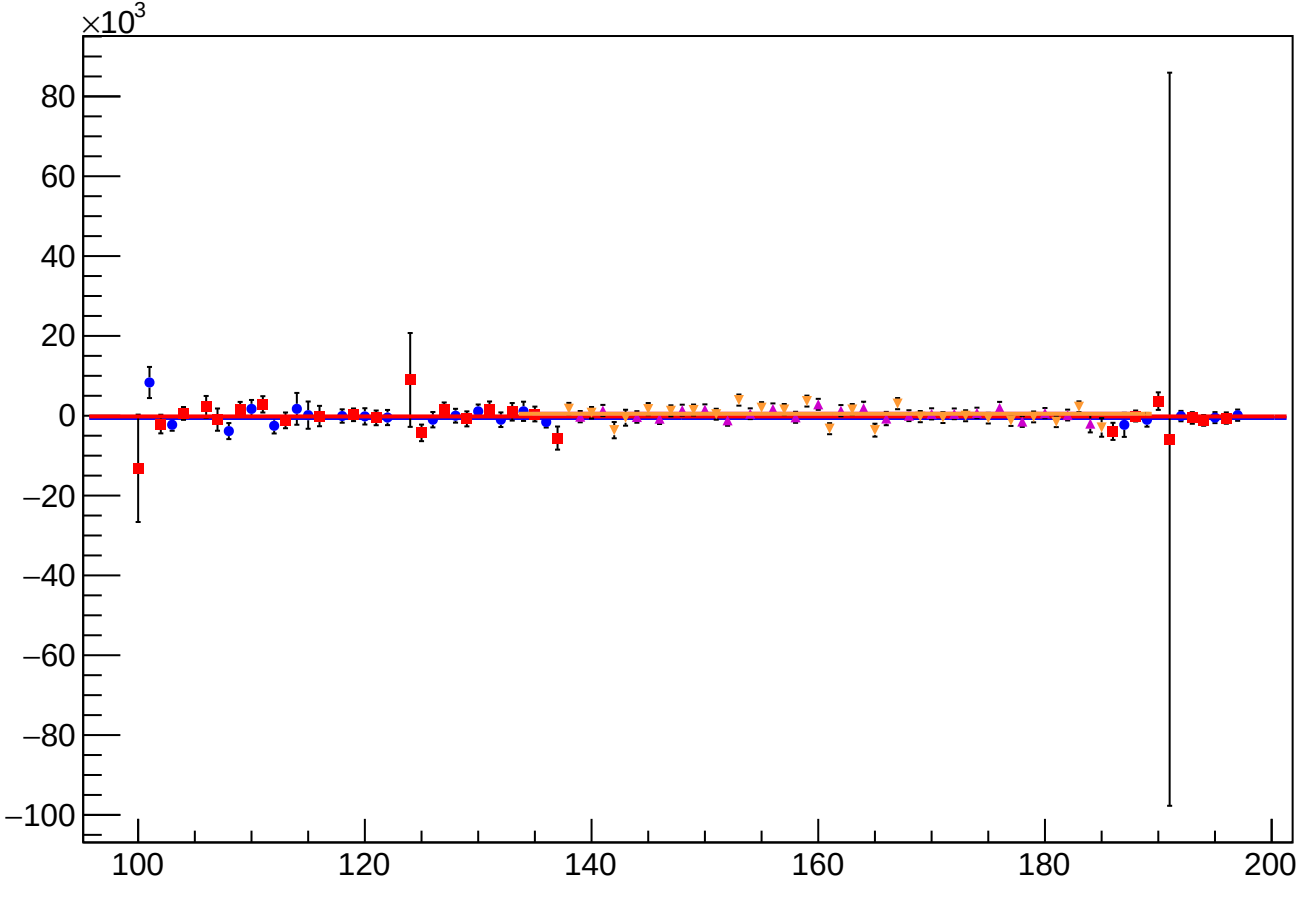
Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 117.131+/-714.190 χ^2/NDF: 49.9/45

All: -173.682+/-502.986 χ^2/NDF: 92.9/94

- sign -459.882+/-708.503 χ^2/NDF: 42.7/48


asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 3816.131+/-0.852 χ²/NDF: 1074419.0/20
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 3208.734+/-0.713 χ²/NDF: 3048047.1/25
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
+ sign 3730.869+/-0.505 χ²/NDF: 4783477.7/45
All: 3714.096+/-0.356 χ²/NDF: 10035734.3/9
- sign 3697.589+/-0.501 χ²/NDF: 5250067.8/48



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -175.365+/-387.027 χ^2/NDF: 23.3/25

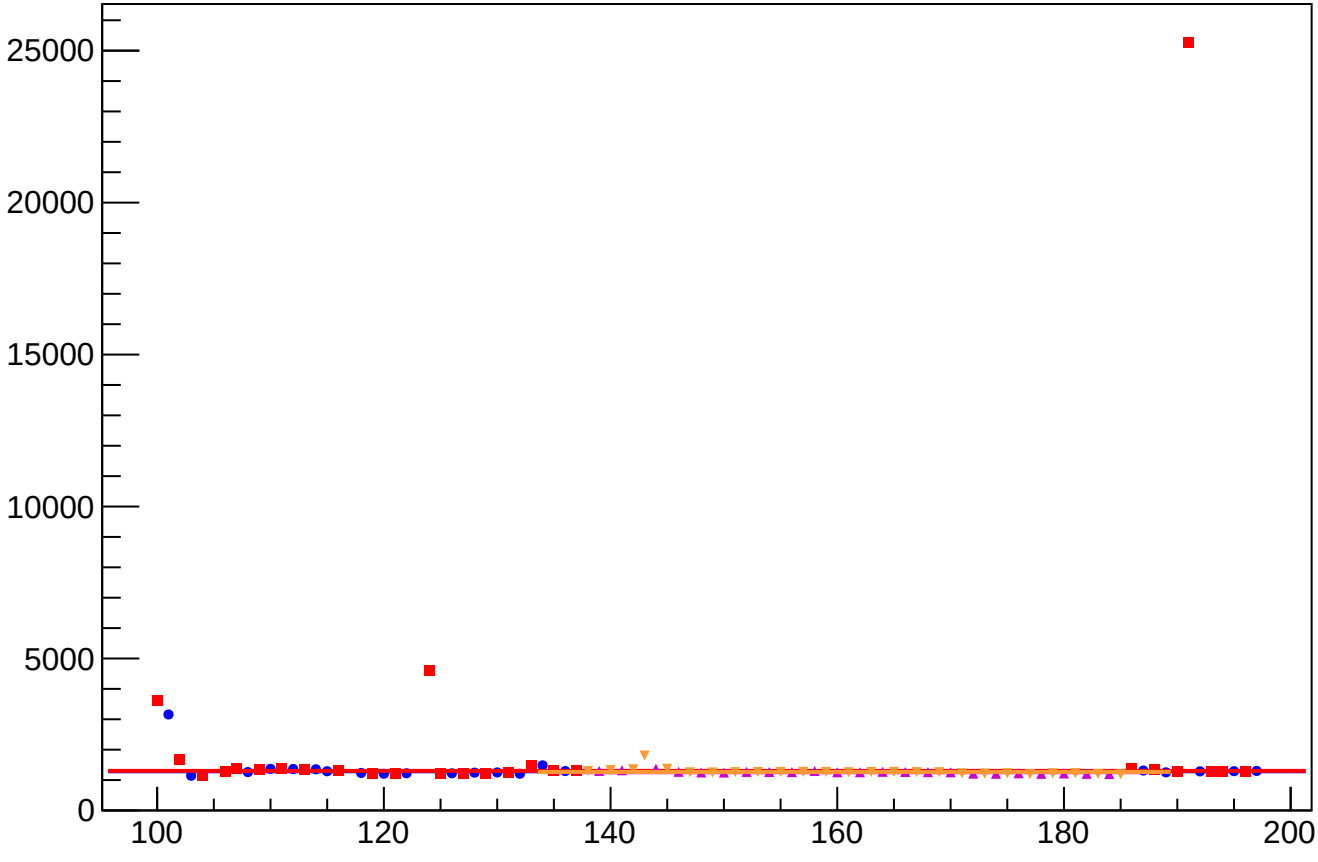
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.938+/-234.010 χ^2/NDF: 66.1/45

All: 189.323+/-165.465 χ^2/NDF: 105.8/94

- sign 244.702+/-233.996 χ^2/NDF: 39.6/48

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

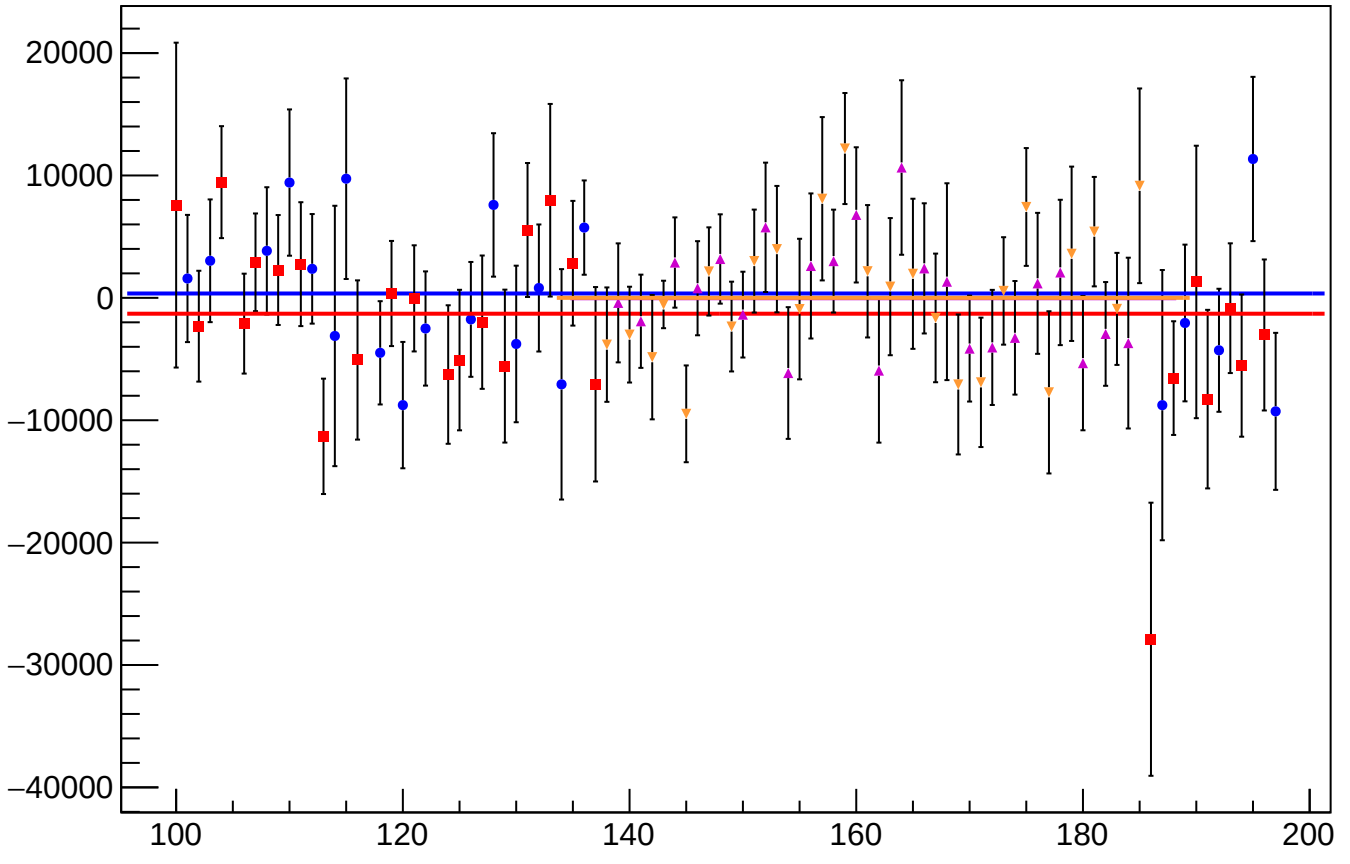
Right Out: 1301.974+/-0.273 χ^2/NDF: 472288.7/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707203.8/45

All: 1274.115+/-0.117 χ^2/NDF: 1233057.2/94

- sign 1273.814+/-0.165 χ^2/NDF: 525846.8/48



Right In: 356.476+/-1205.235 χ^2/NDF: 20.9/20

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

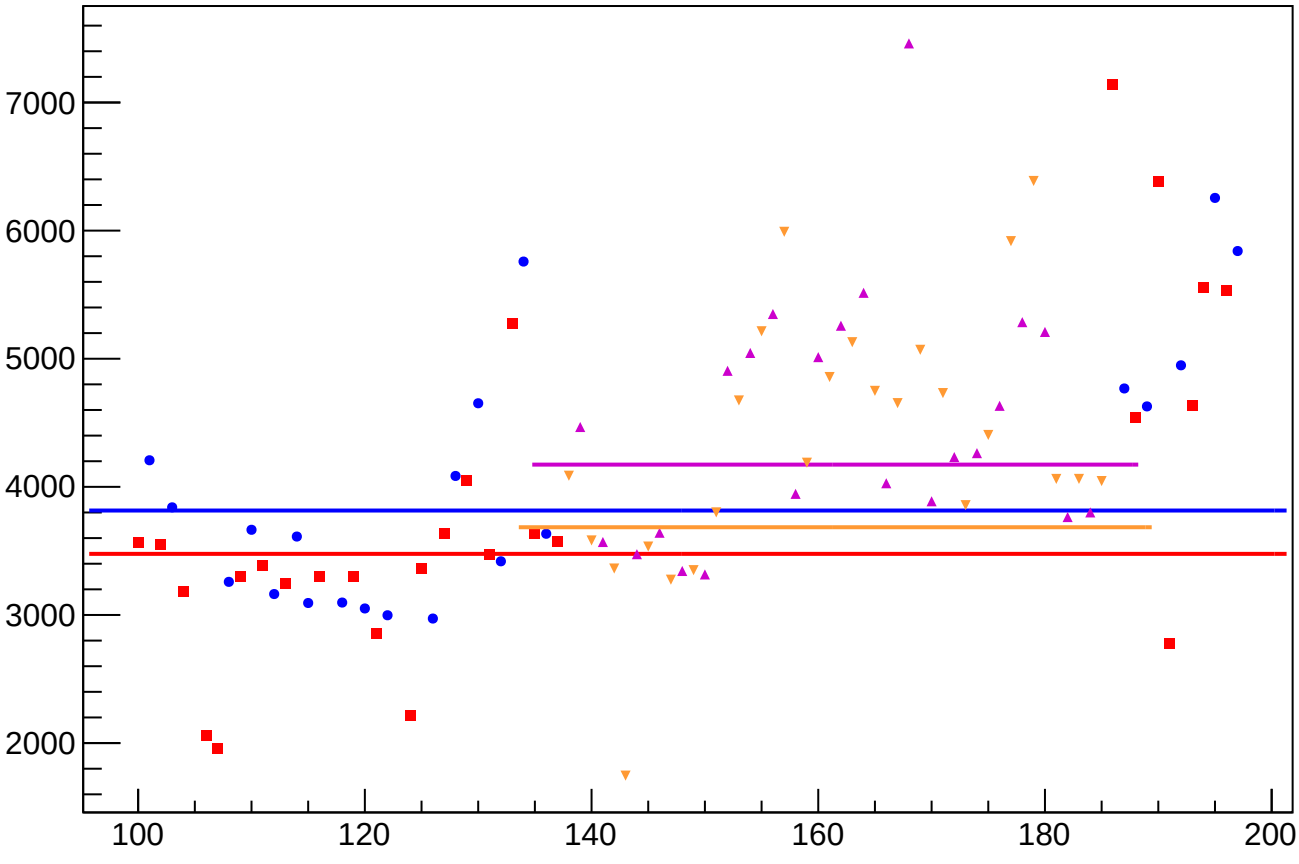
Right Out: -1295.913+/-1061.753 χ^2/NDF: 27.9/25

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 124.798+/-714.119 χ^2/NDF: 50.0/45

All: -242.842+/-509.161 χ^2/NDF: 93.2/94

- sign -622.984+/-726.158 χ^2/NDF: 42.7/48



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

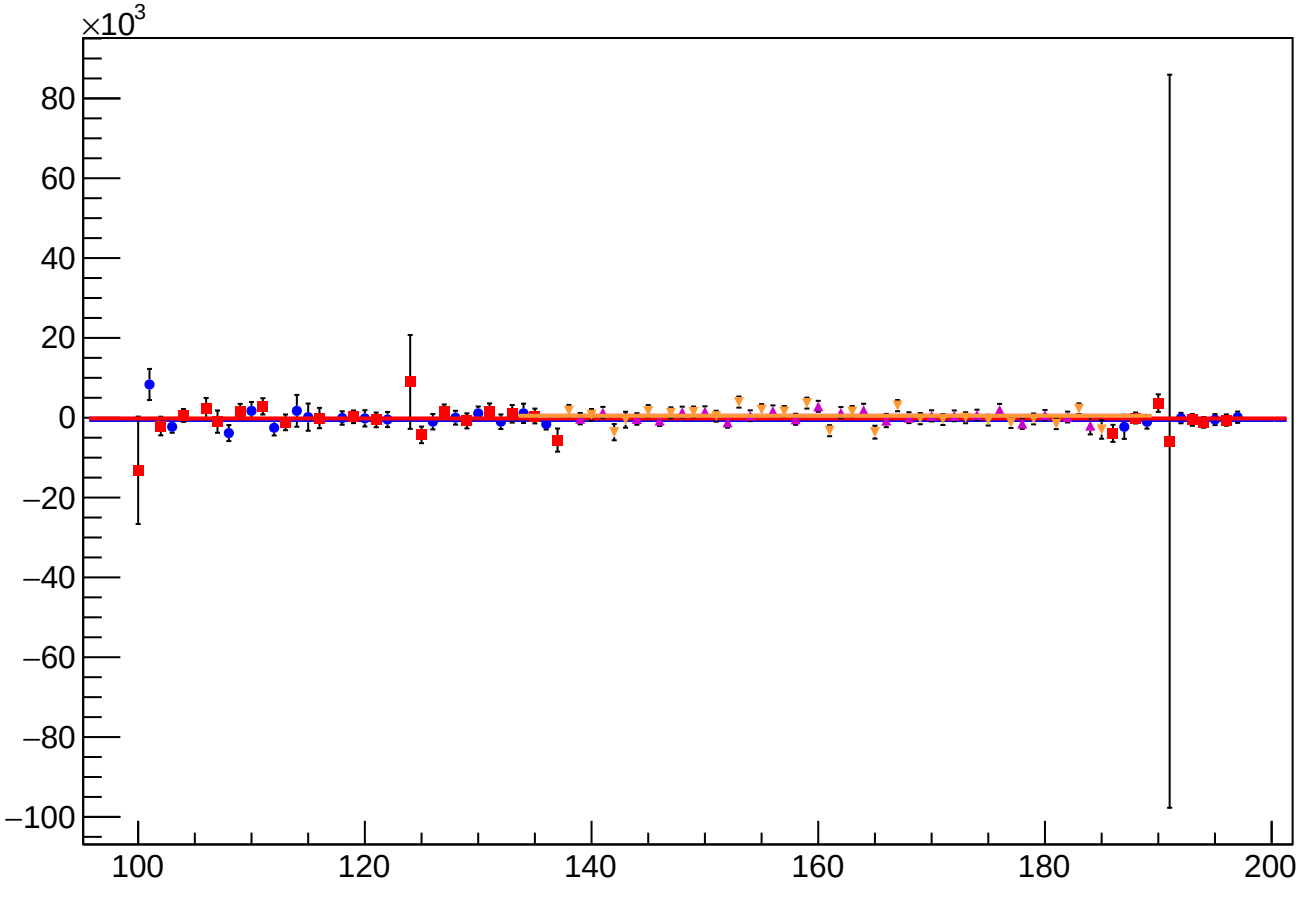
Right Out: 3476.932+/-0.751 χ^2/NDF: 1868011.4/25

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3730.555+/-0.505 χ^2/NDF: 4783283.5/45

All: 3788.151+/-0.360 χ^2/NDF: 8410958.4/94

- sign 3847.705+/-0.513 χ^2/NDF: 3601213.0/48



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -175.365+/-387.027 χ^2/NDF: 23.3/25

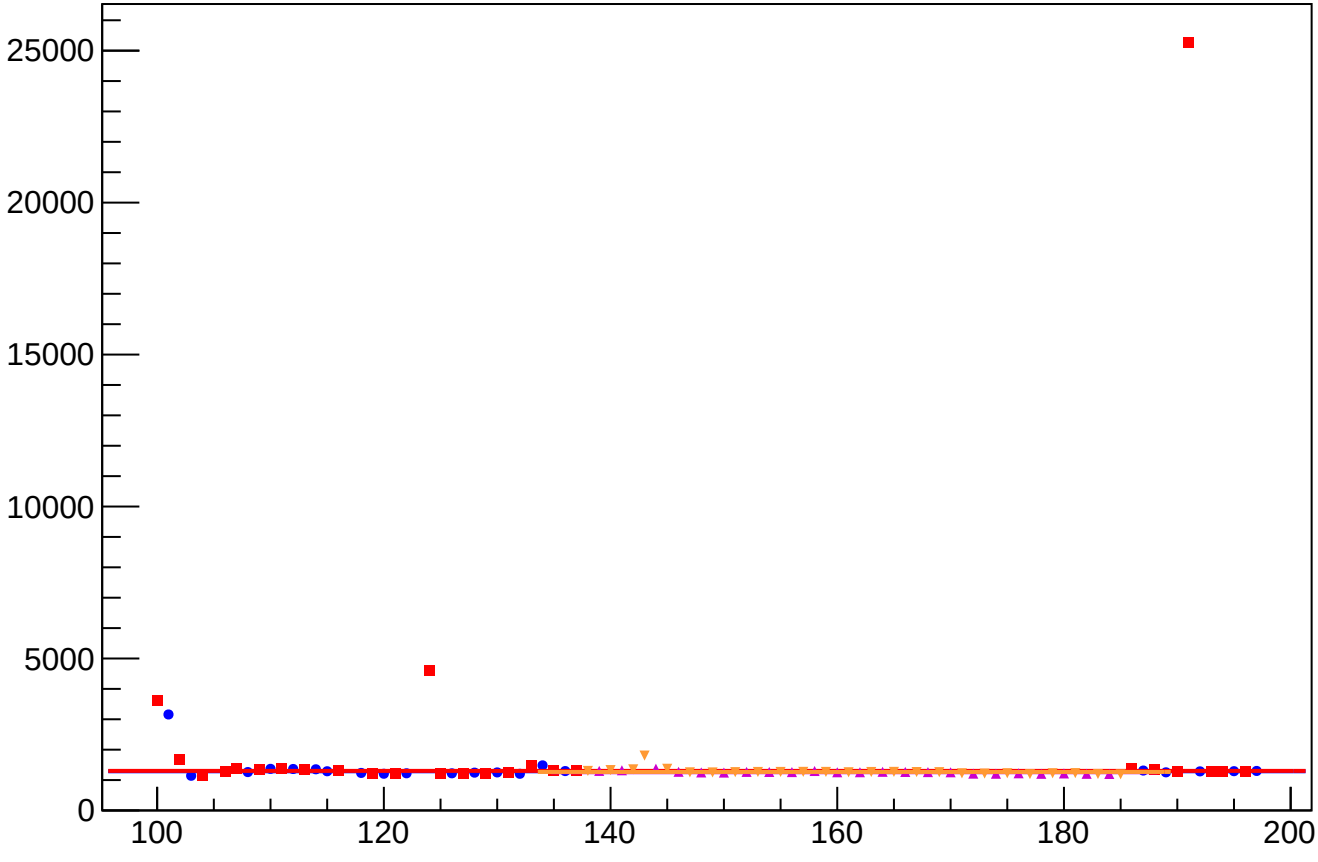
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.938+/-234.010 χ^2/NDF: 66.1/45

All: 189.323+/-165.465 χ^2/NDF: 105.8/94

- sign 244.702+/-233.996 χ^2/NDF: 39.6/48

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

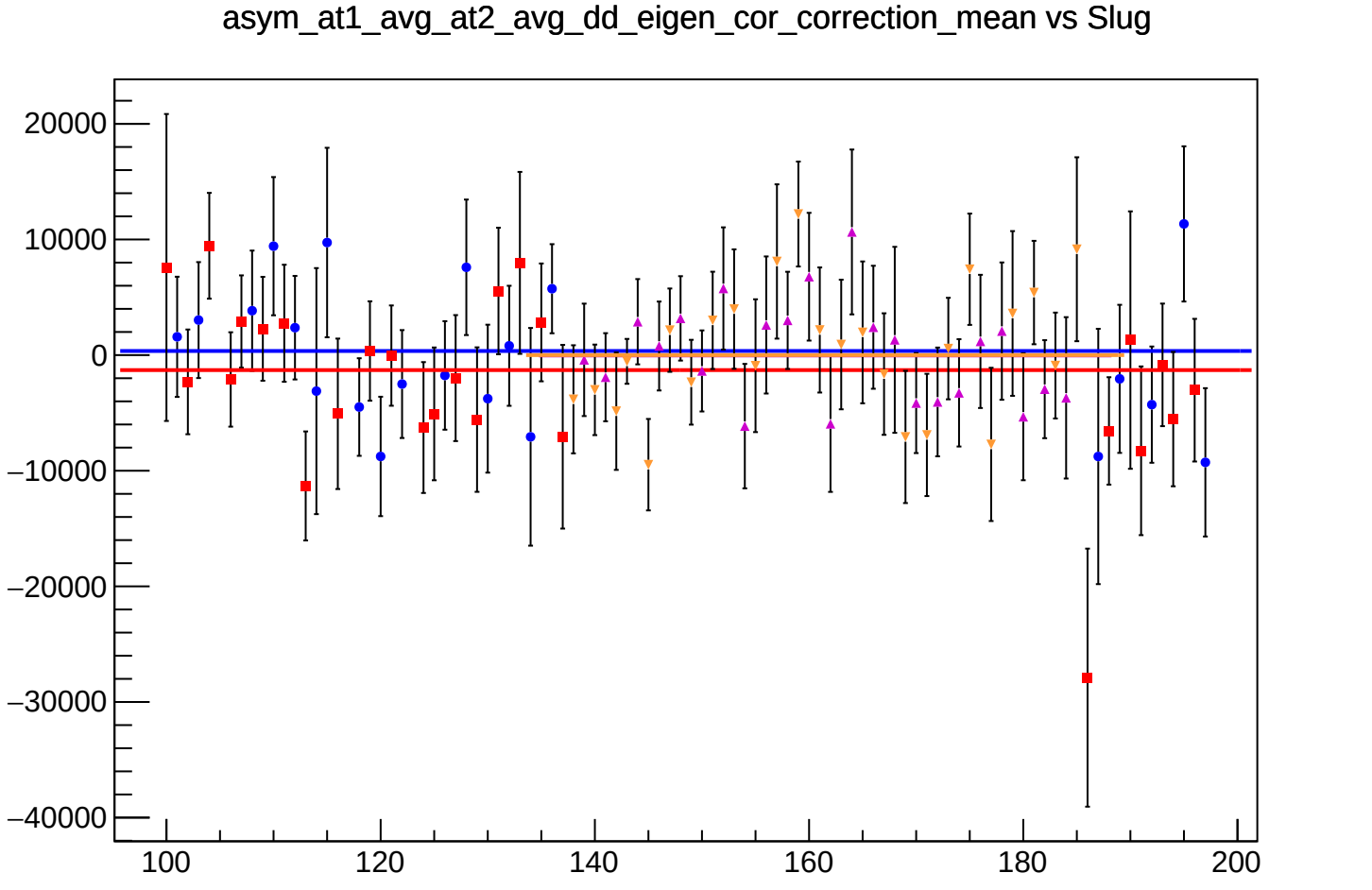
Right Out: 1301.974+/-0.273 χ^2/NDF: 472288.7/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707203.8/45

All: 1274.115+/-0.117 χ^2/NDF: 1233057.2/94

- sign 1273.814+/-0.165 χ^2/NDF: 525846.8/48



Right In: 356.476+/-1205.235 χ^2/NDF: 20.9/20

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

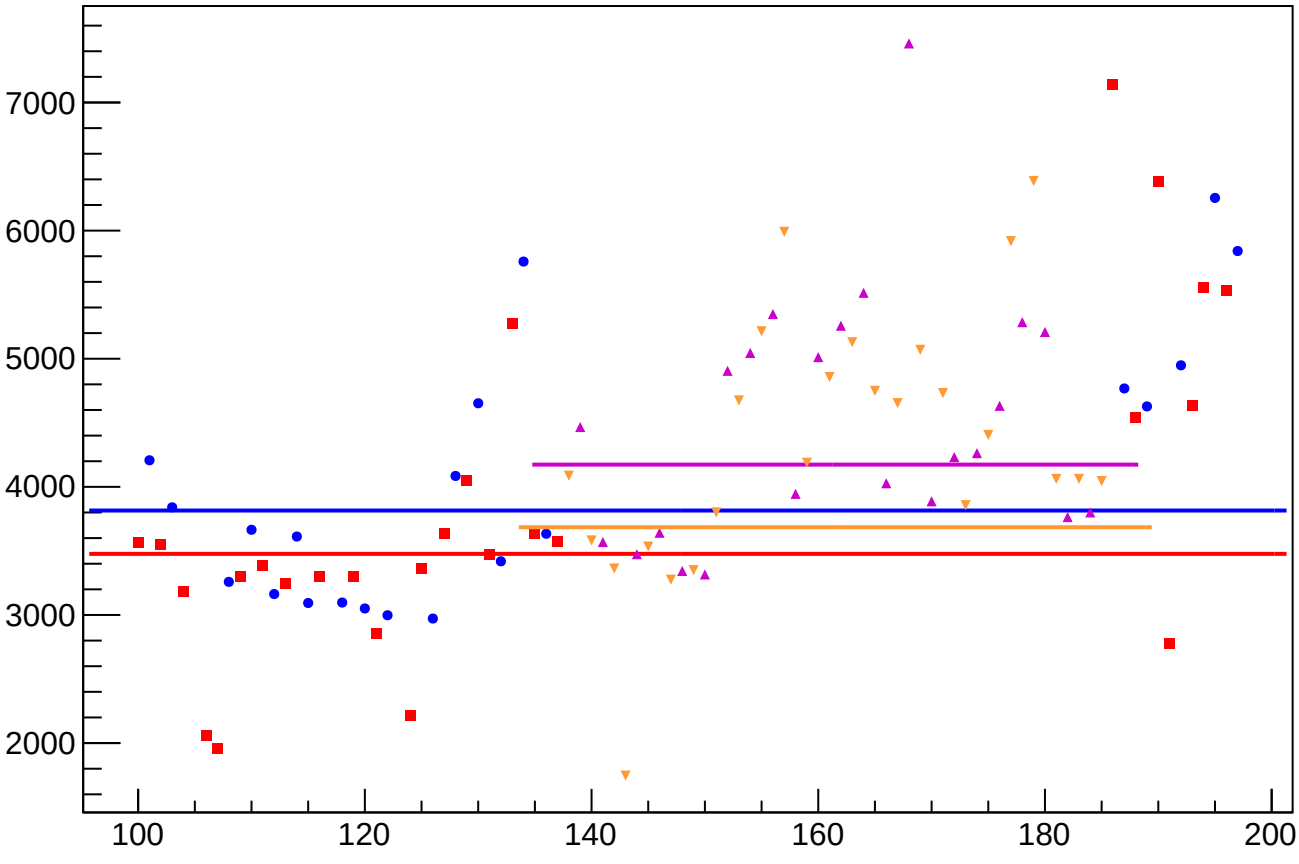
Right Out: -1295.913+/-1061.753 χ^2/NDF: 27.9/25

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 124.798+/-714.119 χ^2/NDF: 50.0/45

All: -242.842+/-509.161 χ^2/NDF: 93.2/94

- sign -622.984+/-726.158 χ^2/NDF: 42.7/48



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

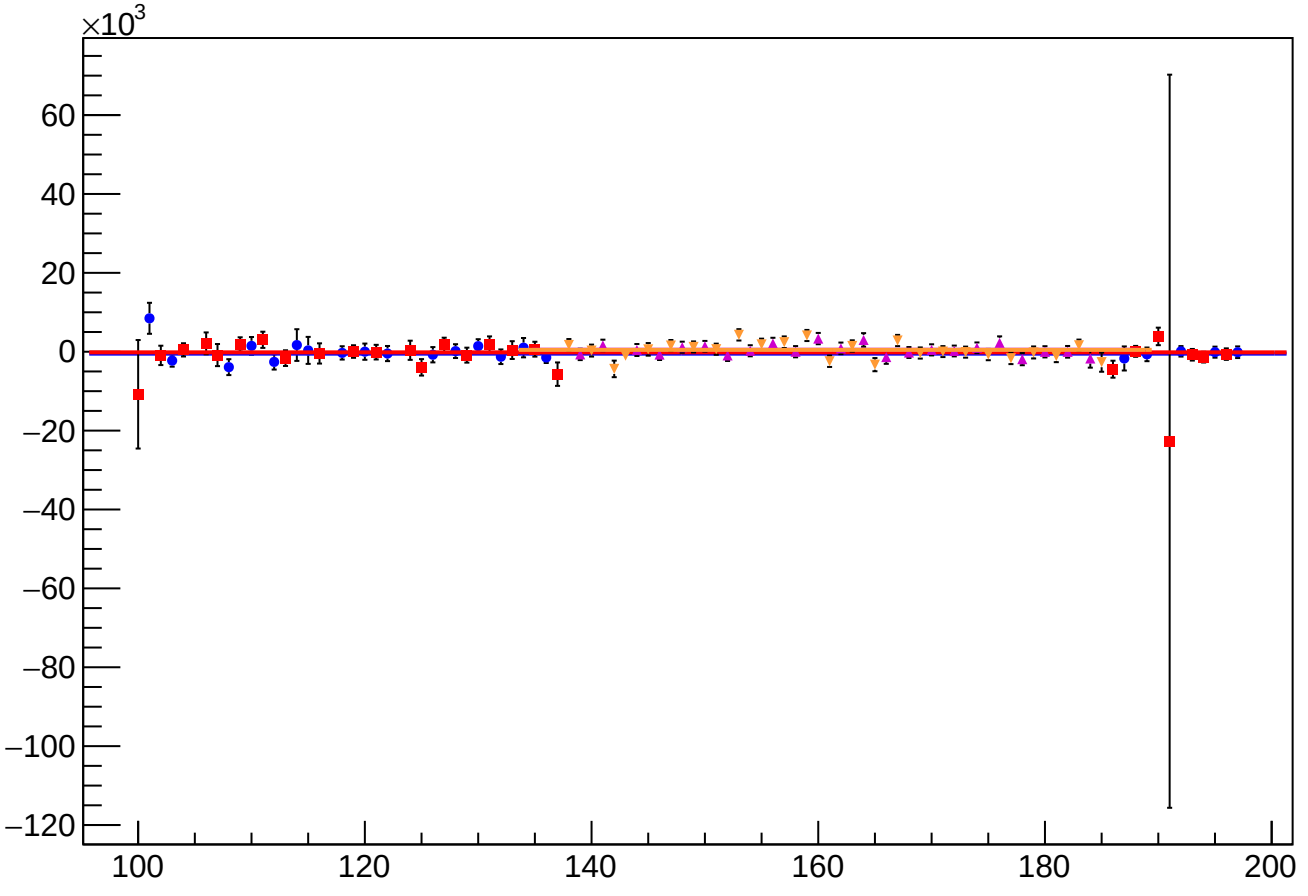
Right Out: 3476.932+/-0.751 χ^2/NDF: 1868011.4/25

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3730.555+/-0.505 χ^2/NDF: 4783283.5/45

All: 3788.151+/-0.360 χ^2/NDF: 8410958.4/94

- sign 3847.705+/-0.513 χ^2/NDF: 3601213.0/48



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -156.863+/-387.636 χ^2/NDF: 23.6/25

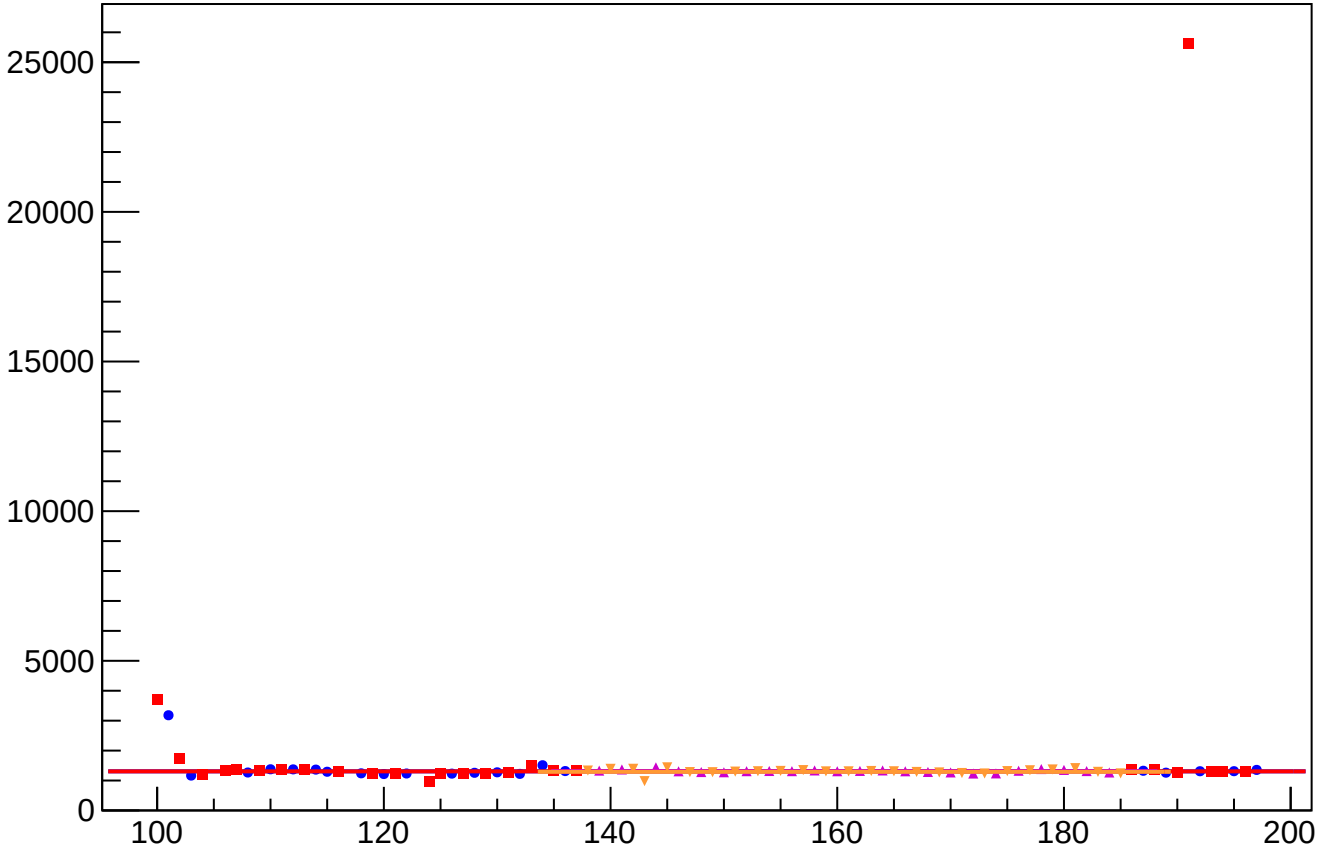
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 139.422+/-238.246 χ^2/NDF: 62.4/45

All: 193.620+/-169.323 χ^2/NDF: 105.3/94

- sign 248.936+/-240.692 χ^2/NDF: 42.8/48

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1307.353+/-0.287 χ^2/NDF: 514221.9/20

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

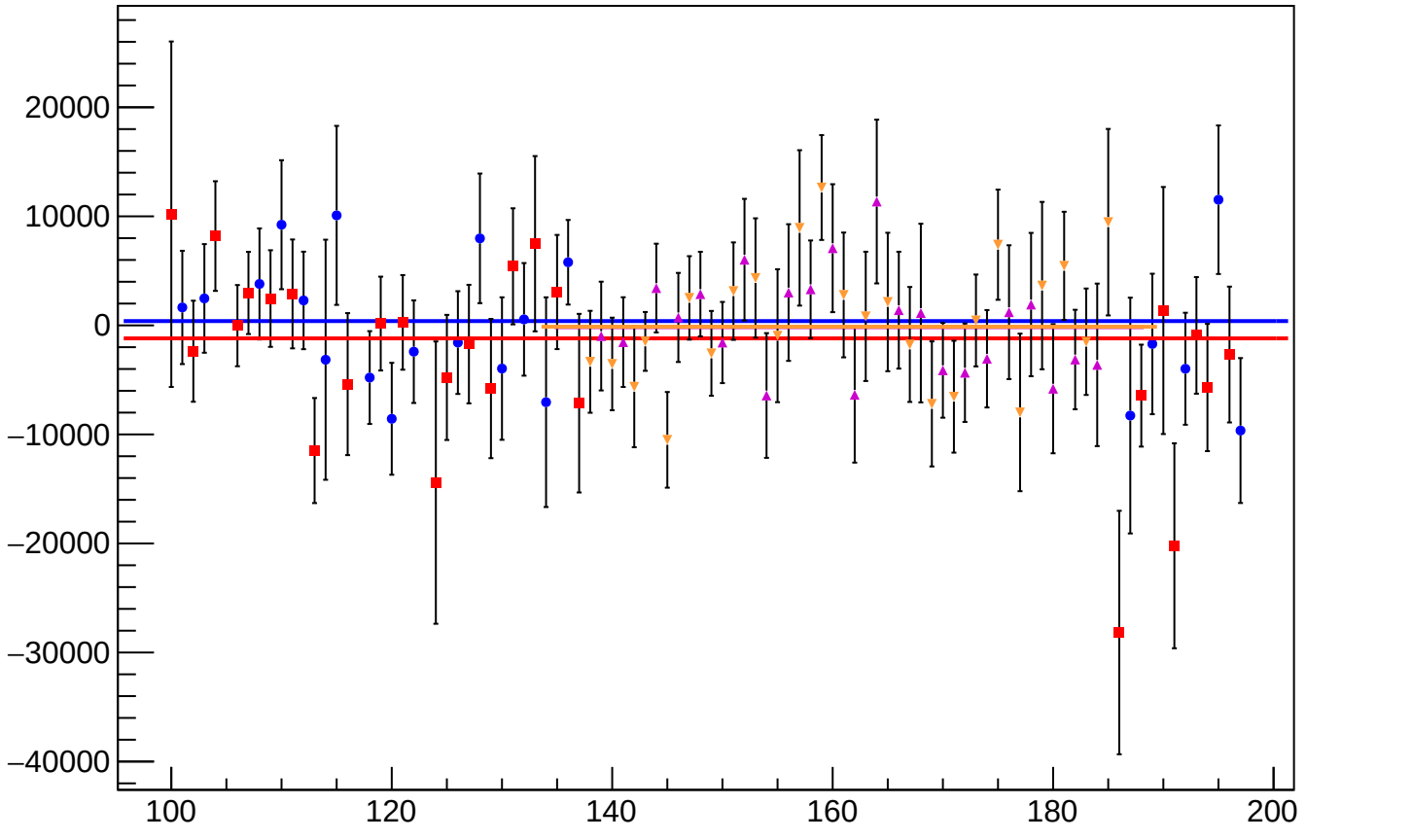
Right Out: 1306.477+/-0.274 χ^2/NDF: 360247.7/25

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.771+/-0.168 χ^2/NDF: 747030.3/45

All: 1303.864+/-0.120 χ^2/NDF: 1154368.0/94

- sign 1311.101+/-0.170 χ^2/NDF: 403756.2/48



Right In: 394.384+/-1210.625 χ^2/NDF: 20.7/20

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

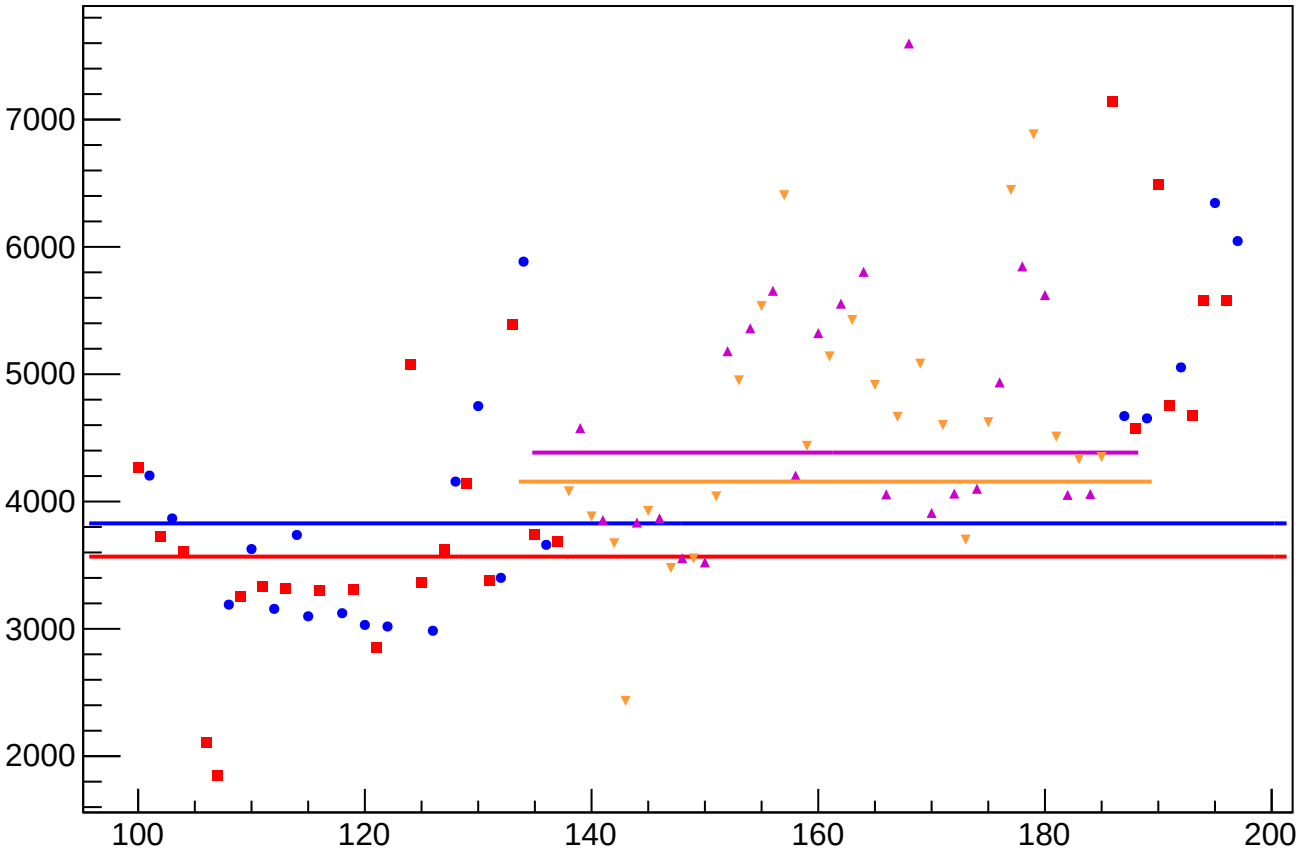
Right Out: -1191.530+/-1079.945 χ^2/NDF: 29.7/25

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 78.532+/-760.407 χ^2/NDF: 49.4/45

All: -294.628+/-534.392 χ^2/NDF: 93.8/94

- sign -658.775+/-751.166 χ^2/NDF: 43.9/48



Right In: 3828.348+/-0.856 χ^2/NDF: 1141062.0/20

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

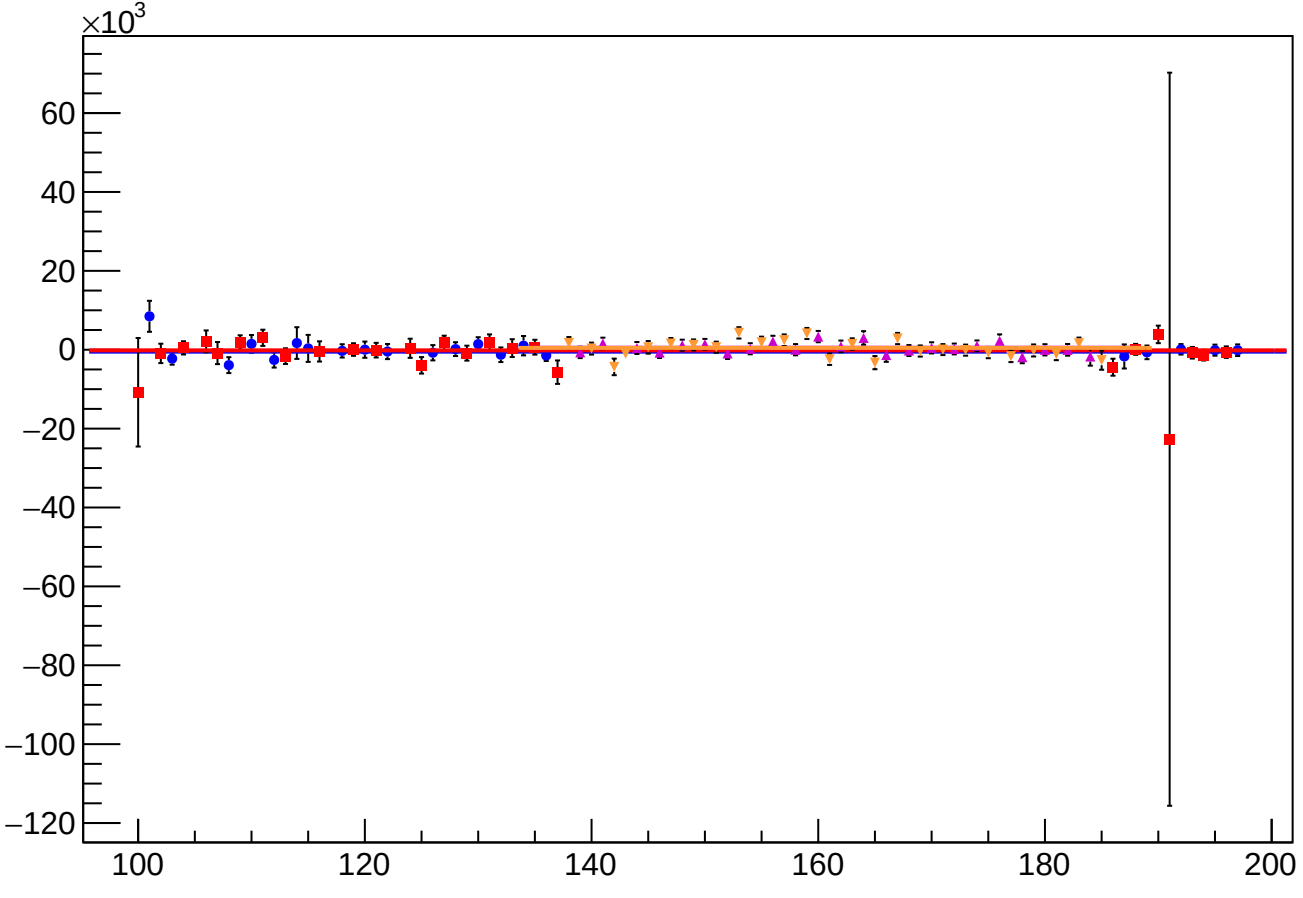
Right Out: 3567.226+/-0.764 χ^2/NDF: 1961452.3/25

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4027.086+/-0.538 χ^2/NDF: 3310845.6/45

All: 4007.815+/-0.378 χ^2/NDF: 7121309.4/94

- sign 3989.009+/-0.531 χ^2/NDF: 3807925.7/48



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -156.858+/-387.636 χ^2/NDF: 23.6/25

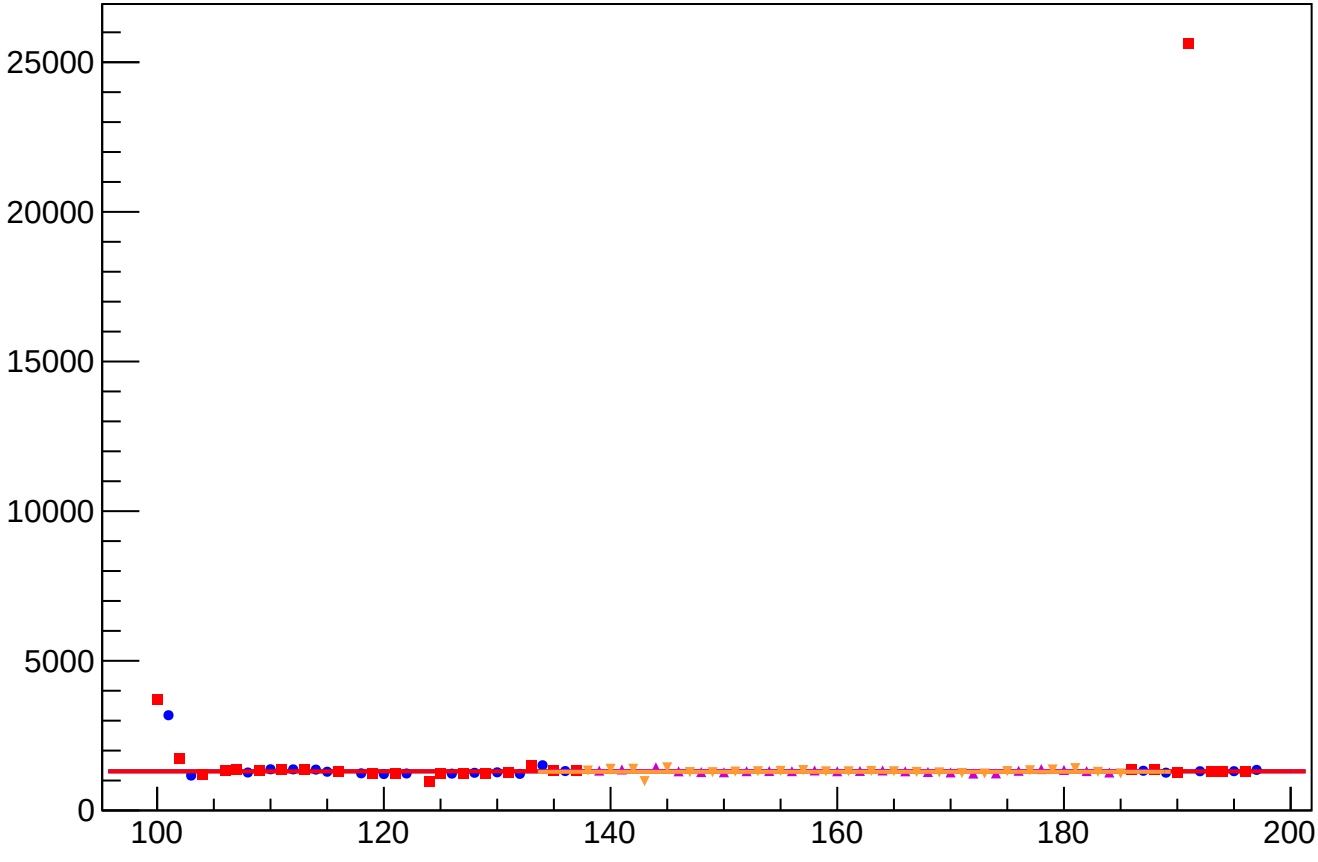
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 139.424+/-238.246 χ^2/NDF: 62.4/45

All: 193.622+/-169.323 χ^2/NDF: 105.3/94

- sign 248.938+/-240.692 χ^2/NDF: 42.8/48

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1307.353+/-0.287 χ^2/NDF: 514222.1/20

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

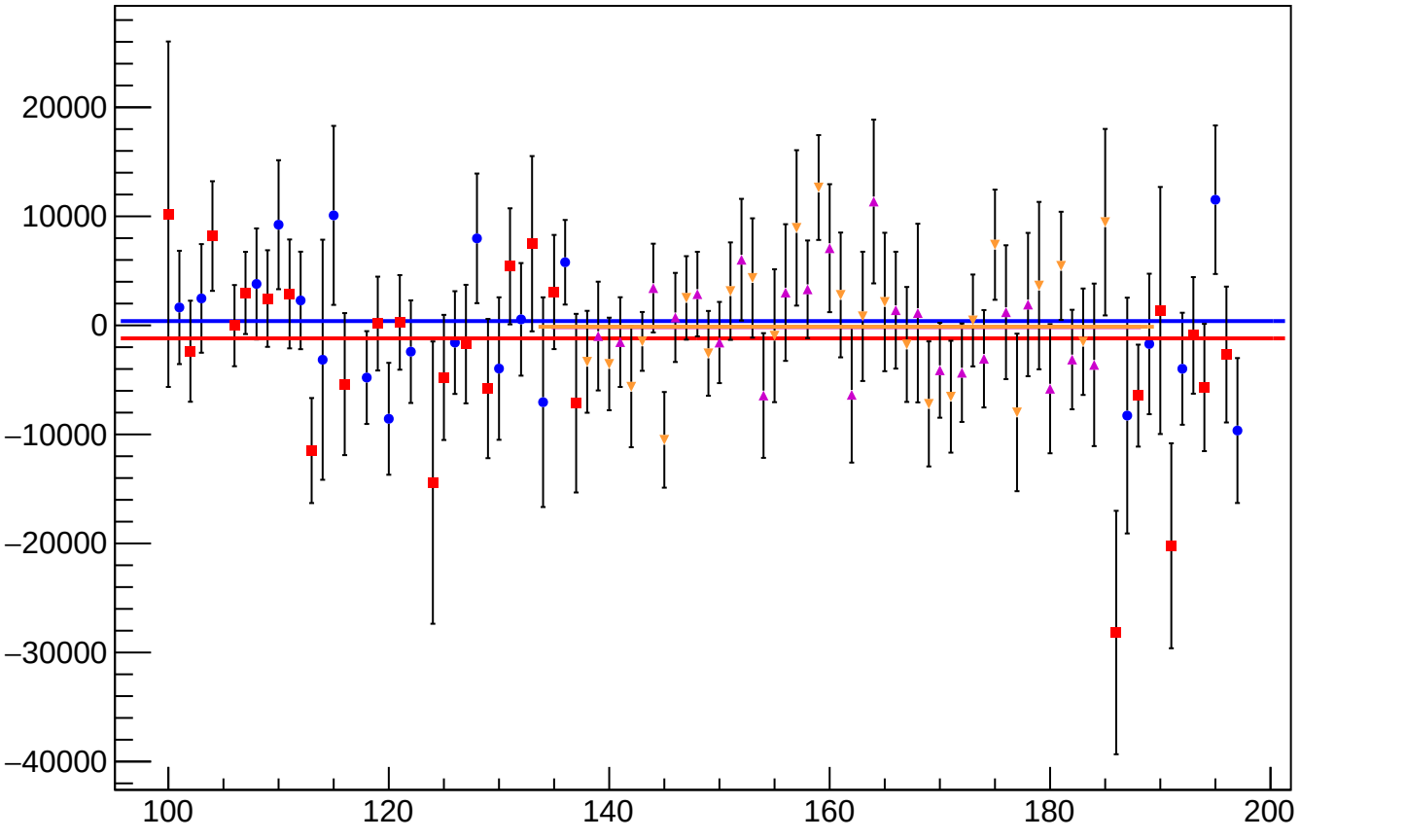
Right Out: 1306.477+/-0.274 χ^2/NDF: 360247.8/25

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.772+/-0.168 χ^2/NDF: 747032.7/45

All: 1303.865+/-0.120 χ^2/NDF: 1154372.8/94

- sign 1311.102+/-0.170 χ^2/NDF: 403758.7/48



Right In: 394.376+/-1210.623 χ^2/NDF: 20.7/20

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

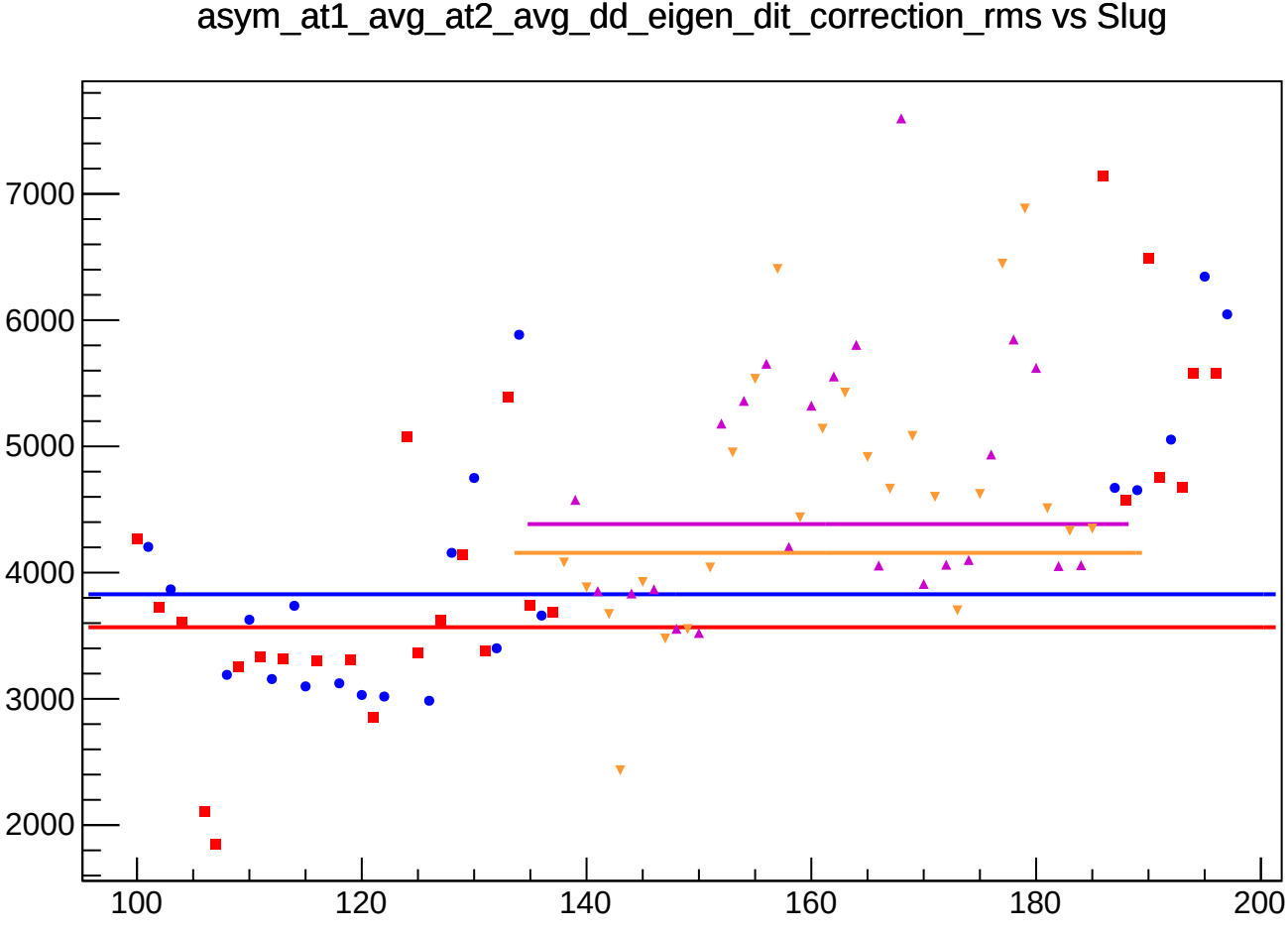
Right Out: -1191.522+/-1079.943 χ^2/NDF: 29.7/25

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 78.532+/-760.407 χ^2/NDF: 49.4/45

All: -294.628+/-534.392 χ^2/NDF: 93.8/94

- sign -658.773+/-751.166 χ^2/NDF: 43.9/48


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug
7000
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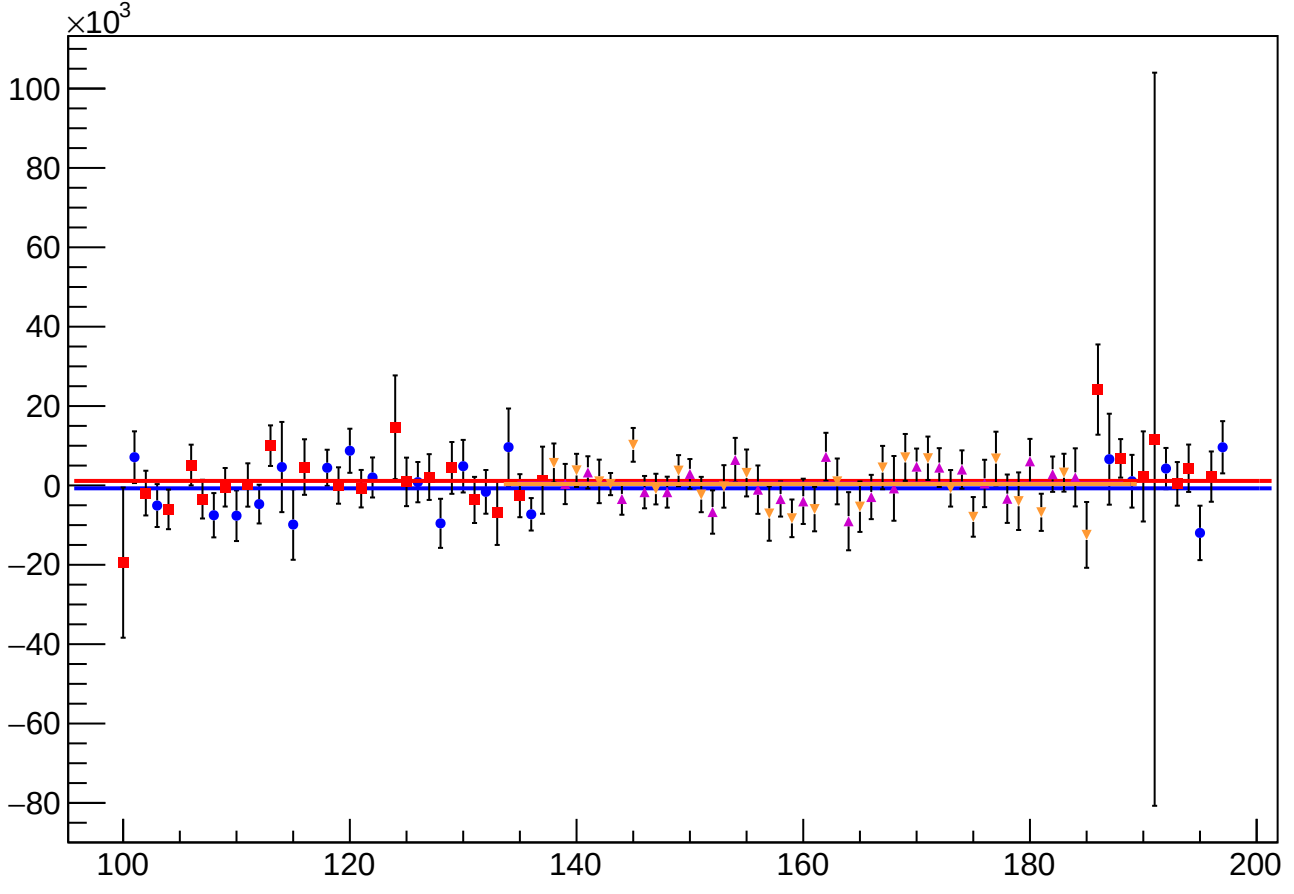
Right In: 3828.339+/-0.856 χ²/NDF: 1141077.9/20
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3567.219+/-0.764 χ²/NDF: 1961465.1/25
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
+ sign 4027.086+/-0.538 χ²/NDF: 3310872.4/45
All: 4007.814+/-0.378 χ²/NDF: 7121373.8/94
- sign 3989.007+/-0.531 χ²/NDF: 3807963.0/48

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -732.996+/-1291.410 χ^2/NDF: 24.3/20

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1132.375+/-1191.597 χ^2/NDF: 18.0/25

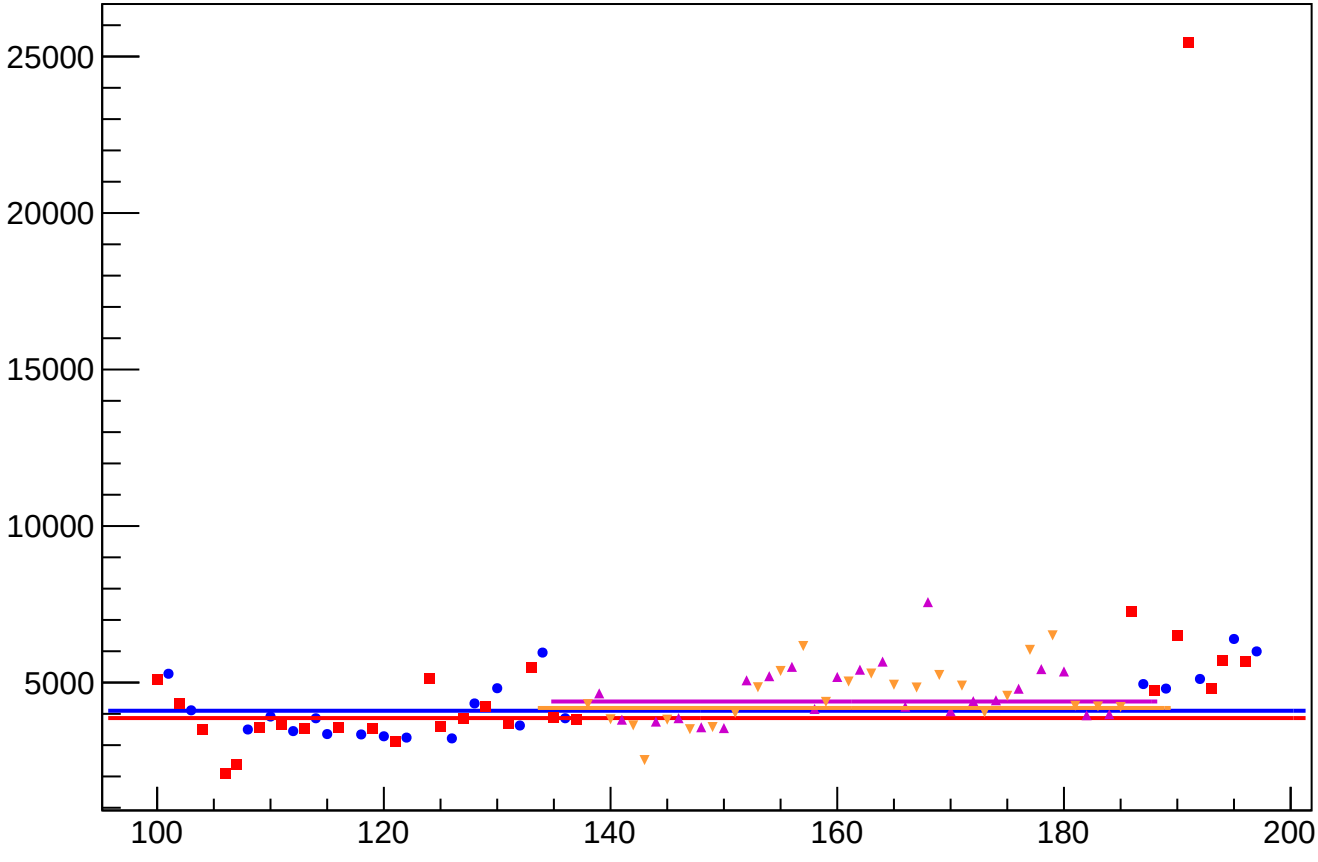
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -37.737+/-780.597 χ^2/NDF: 52.4/45

All: 365.281+/-553.708 χ^2/NDF: 84.9/94

- sign 773.428+/-785.549 χ^2/NDF: 32.0/48

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4098.868+/-0.913 χ^2/NDF: 978815.1/20

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

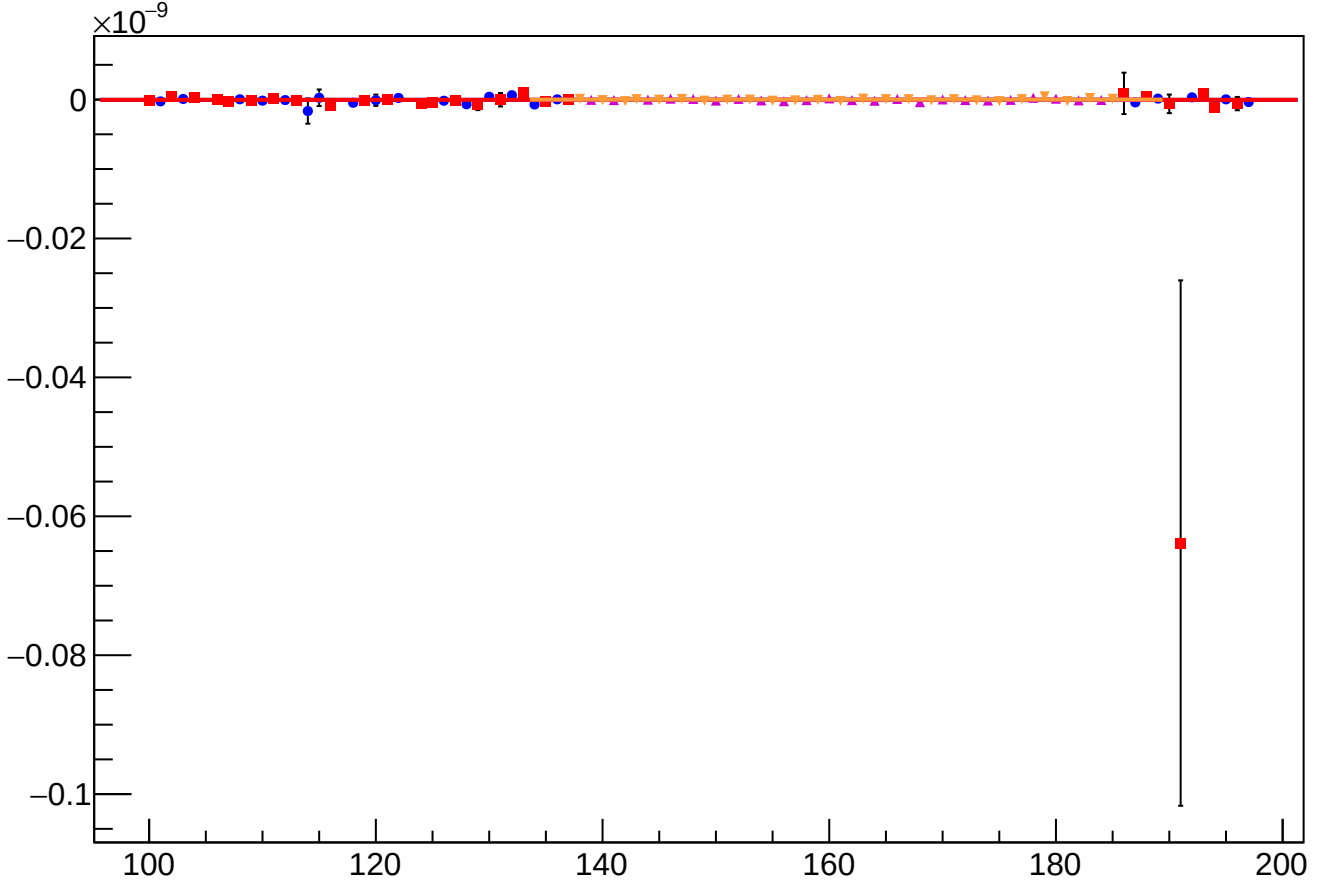
Right Out: 3864.895+/-0.833 χ^2/NDF: 1631239.7/25

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

\+ sign 4155.338+/-0.552 χ^2/NDF: 2781186.7/45

All: 4158.355+/-0.391 χ^2/NDF: 5726874.9/94

\- sign 4161.382+/-0.553 χ^2/NDF: 2945628.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

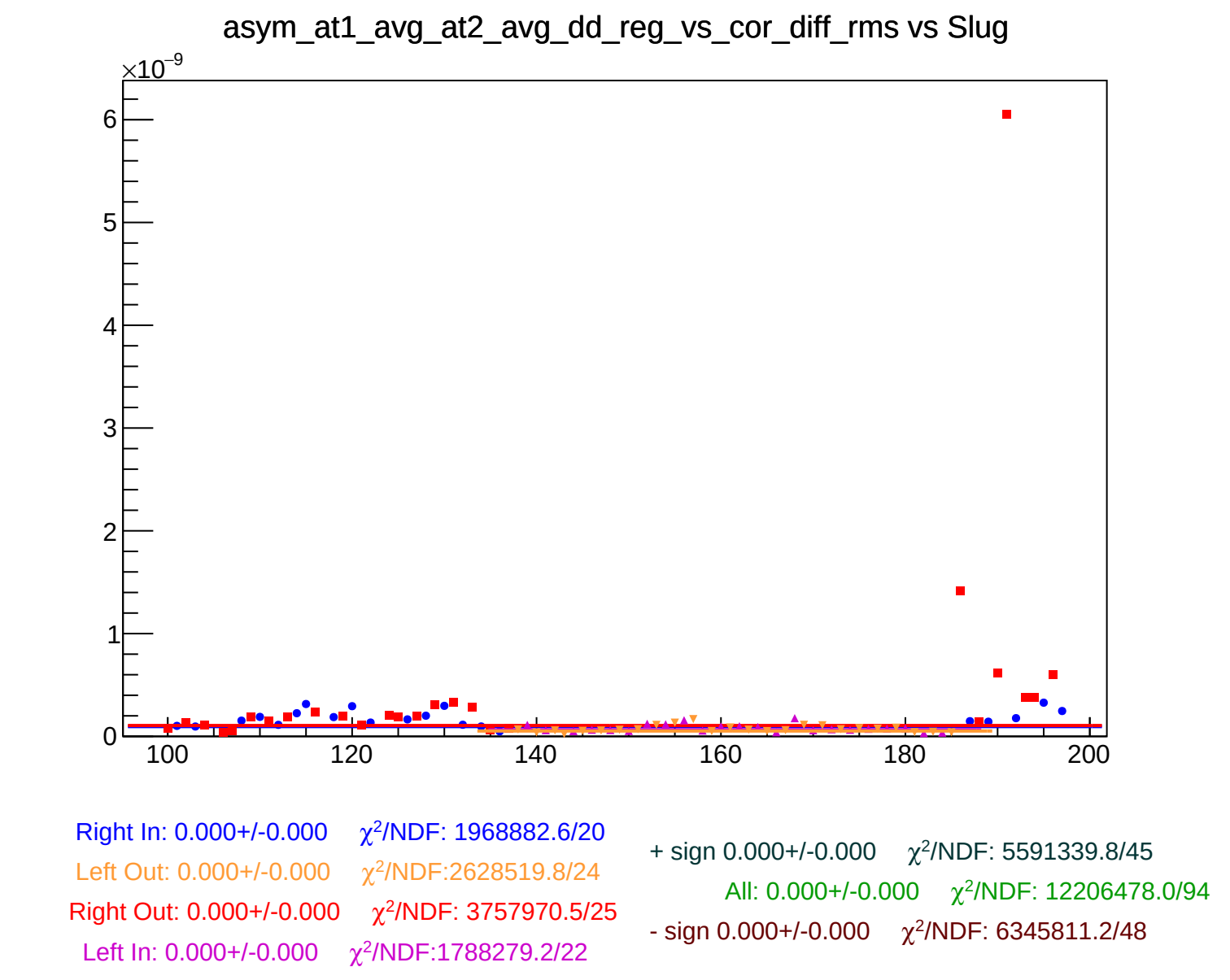
Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/25

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/45

All: -0.000+/-0.000 χ^2/NDF: 92.5/94

- sign -0.000+/-0.000 χ^2/NDF: 43.2/48


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
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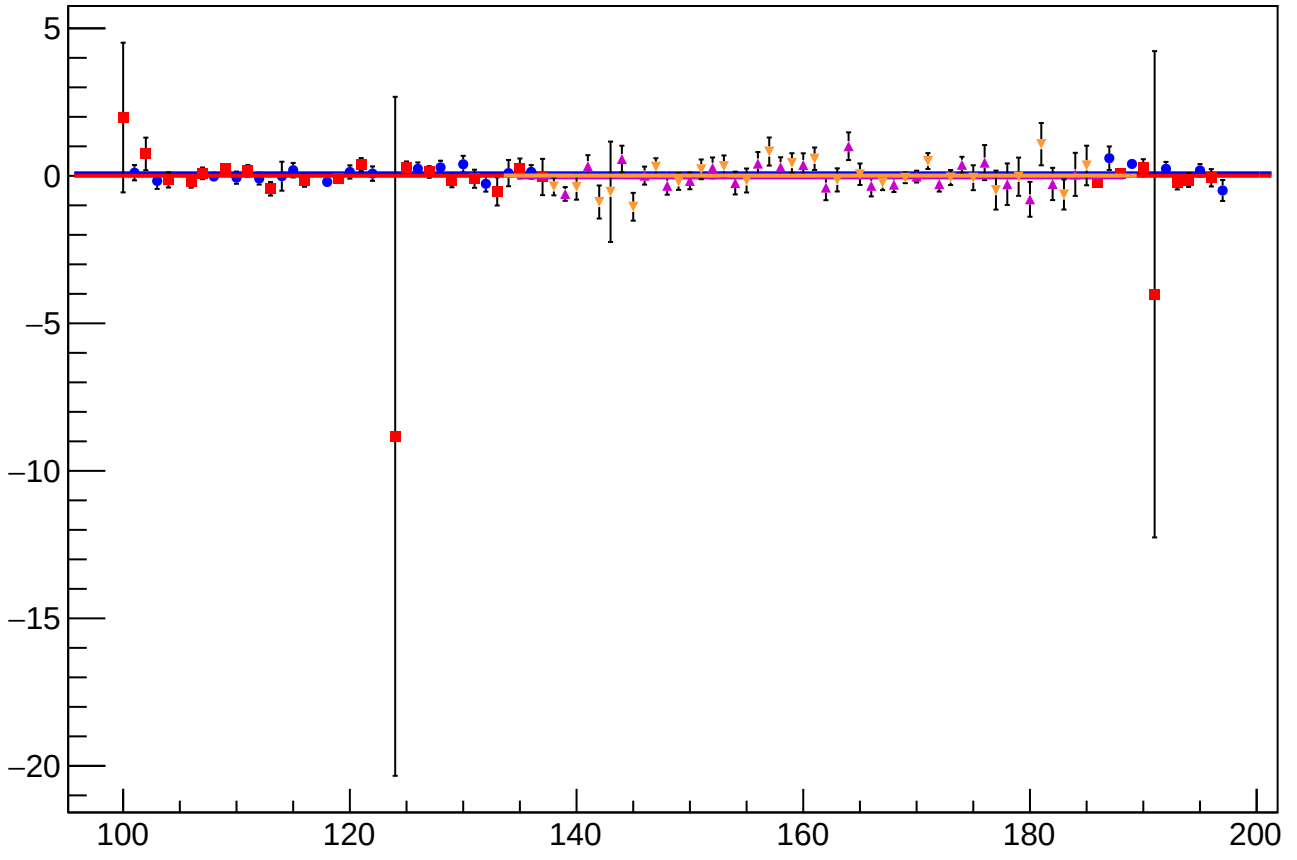
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 1968882.6/20
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 3757970.5/25
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5591339.8/45
All: 0.000+/-0.000 χ²/NDF: 12206478.0/94
- sign 0.000+/-0.000 χ²/NDF: 6345811.2/48



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

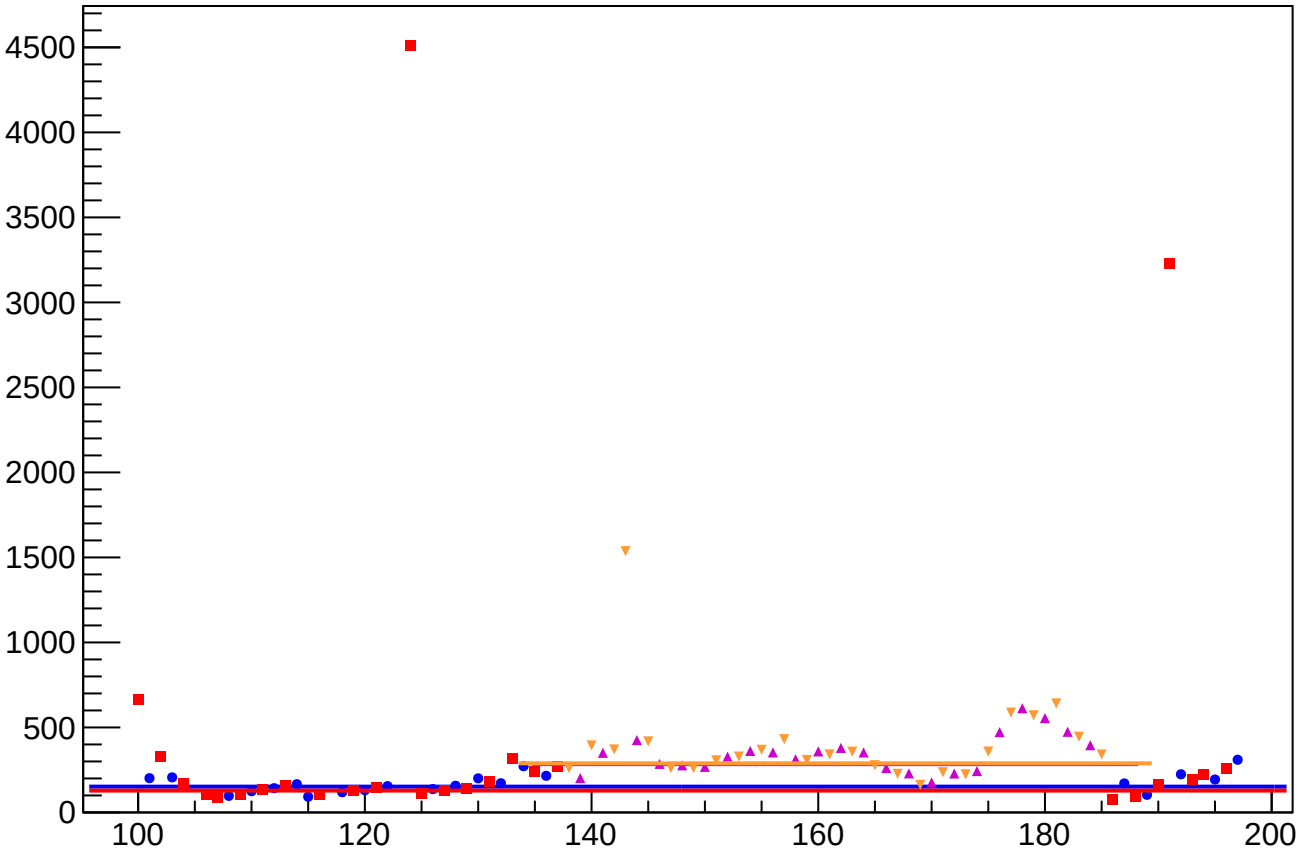
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.019+/-0.027 χ^2/NDF: 107.0/94

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

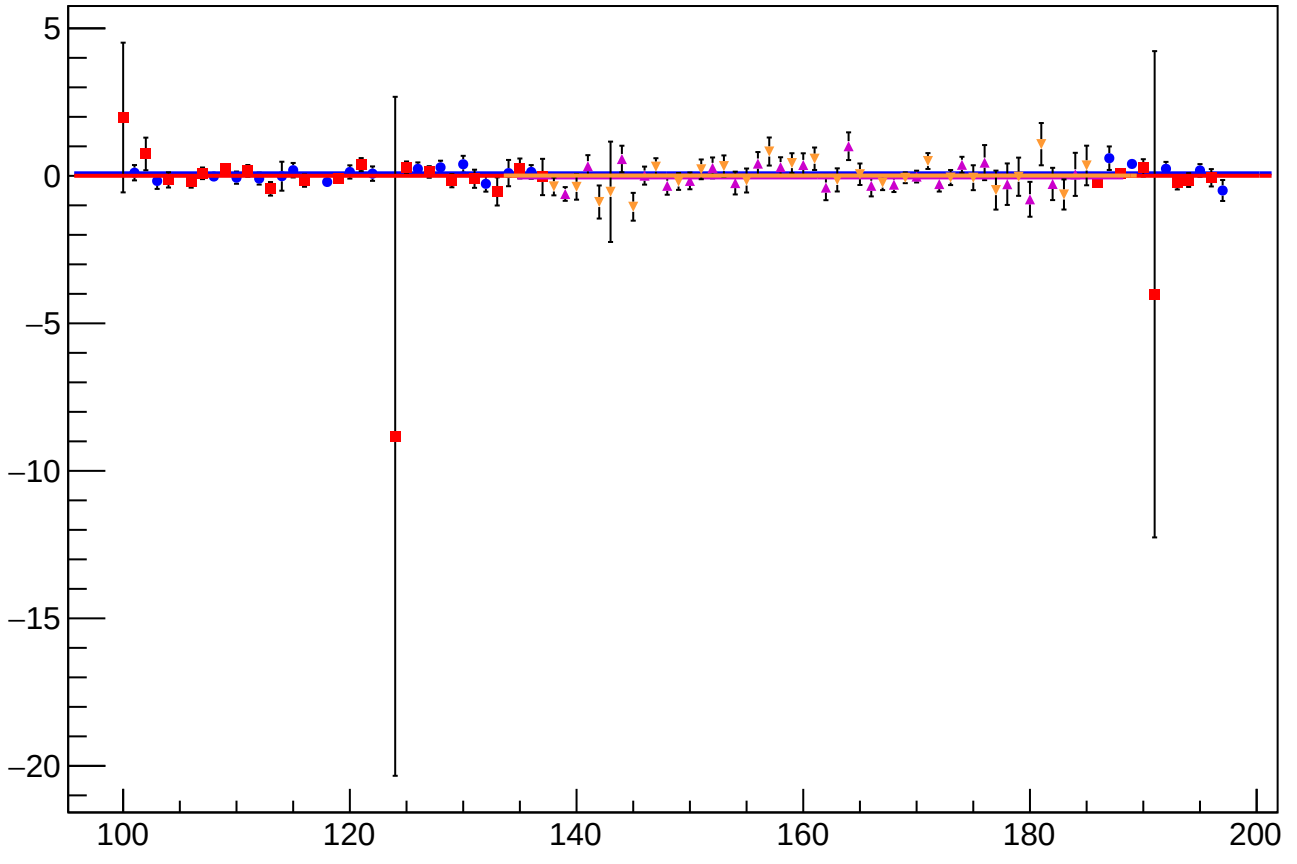
Right Out: 128.630+/-0.030 χ^2/NDF: 3443115.5/25

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.452+/-0.029 χ^2/NDF: 11501878.3/45

All: 181.980+/-0.019 χ^2/NDF: 25705603.6/94

- sign 169.857+/-0.026 χ^2/NDF: 13694488.8/48



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

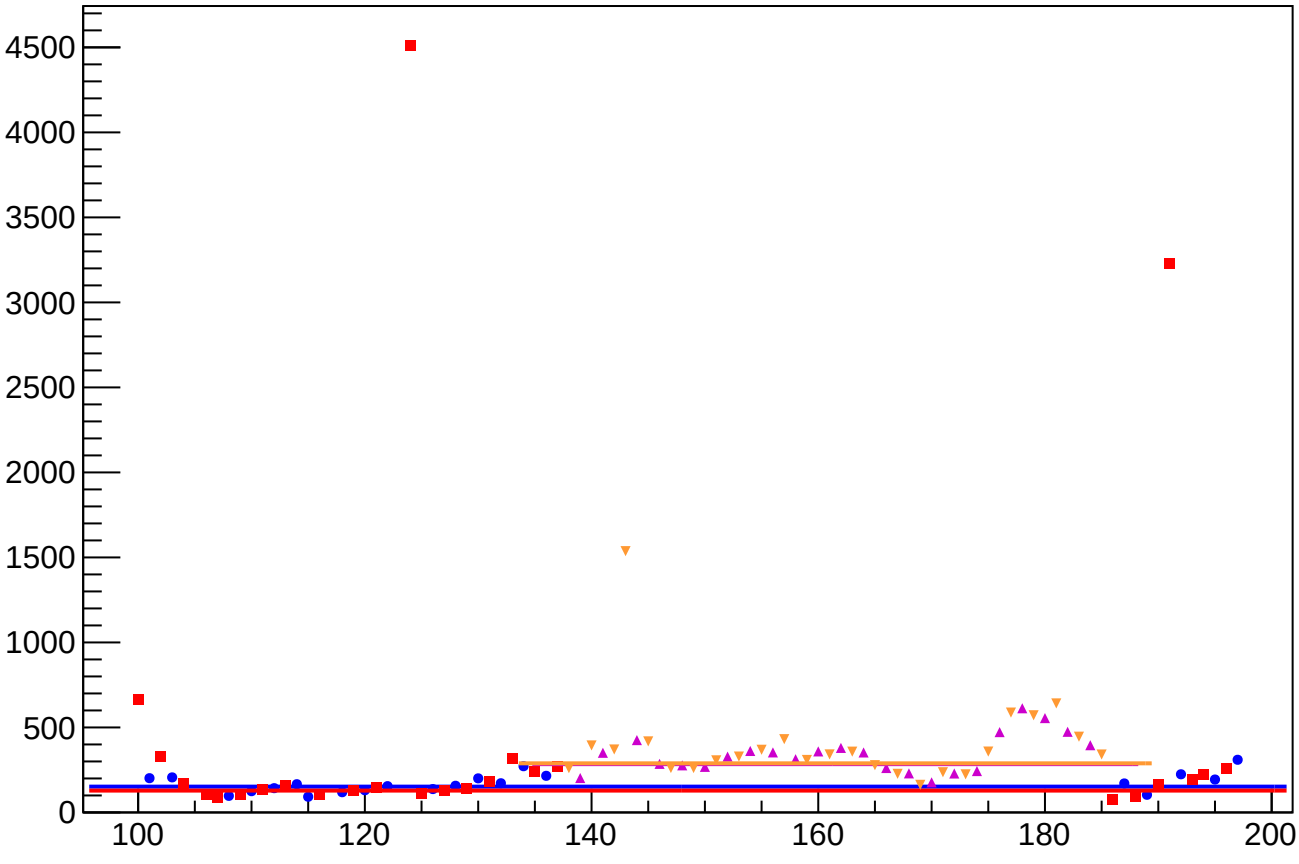
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.019+/-0.027 χ^2/NDF: 107.0/94

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

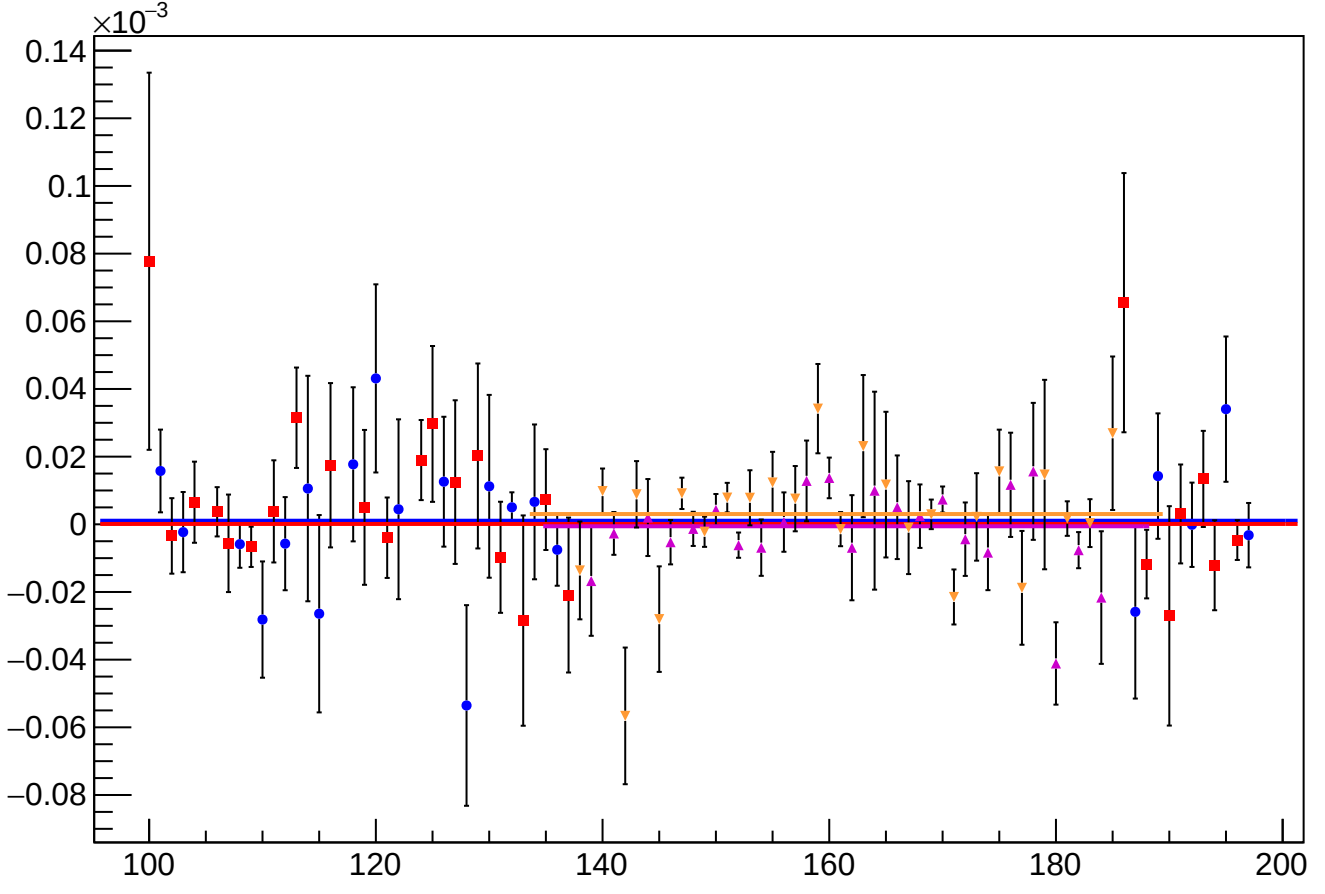
Right Out: 128.630+/-0.030 χ^2/NDF: 3443115.5/25

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.452+/-0.029 χ^2/NDF: 11501878.3/45

All: 181.980+/-0.019 χ^2/NDF: 25705603.6/94

- sign 169.857+/-0.026 χ^2/NDF: 13694488.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

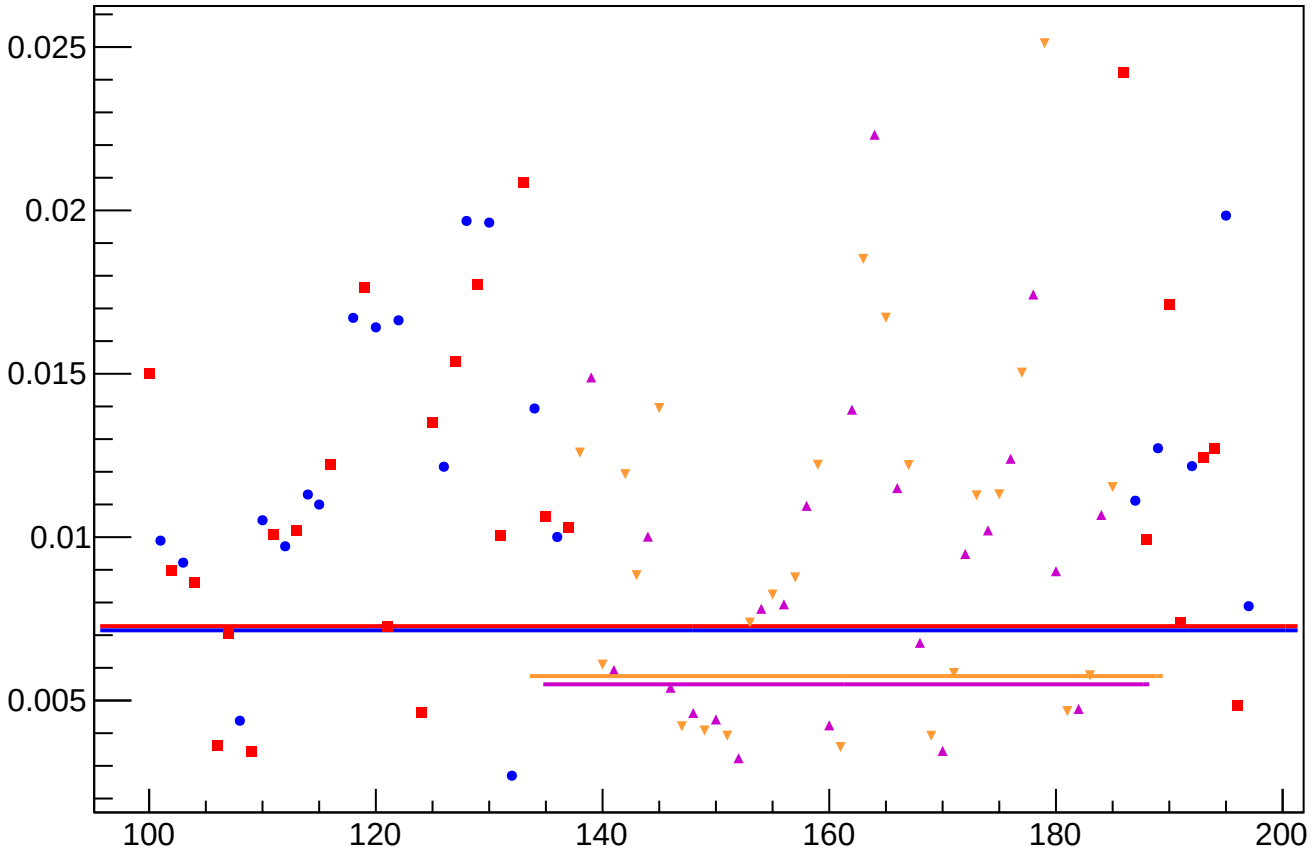
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/25

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/45

All: 0.000+/-0.000 χ^2/NDF: 121.4/94

- sign -0.000+/-0.000 χ^2/NDF: 57.2/48



Right In: 0.007+/-0.000 χ^2/NDF: 6044687.7/20

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

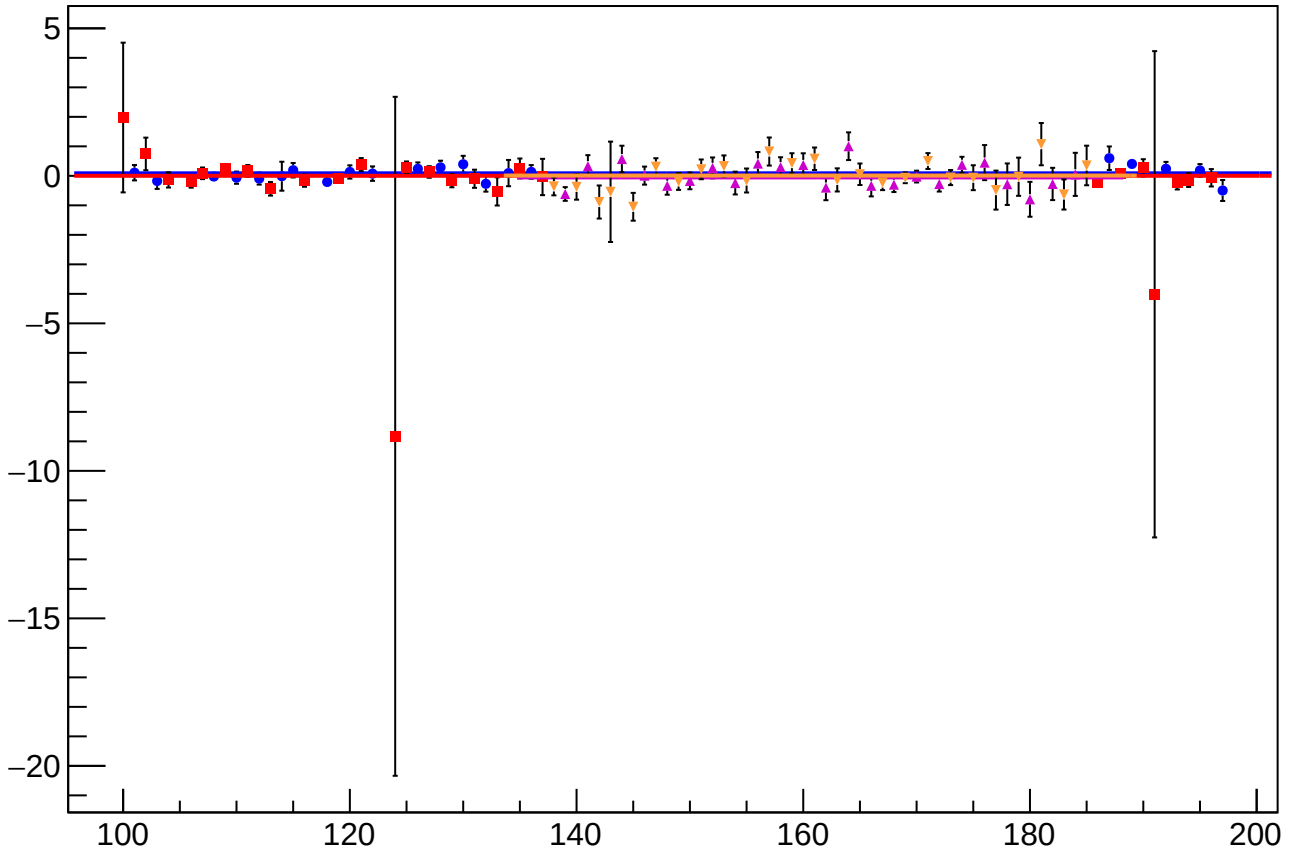
Right Out: 0.007+/-0.000 χ^2/NDF: 5084188.5/25

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14589943.1/45

All: 0.006+/-0.000 χ^2/NDF: 27378549.2/94

\- sign 0.006+/-0.000 χ^2/NDF: 12782127.8/48



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

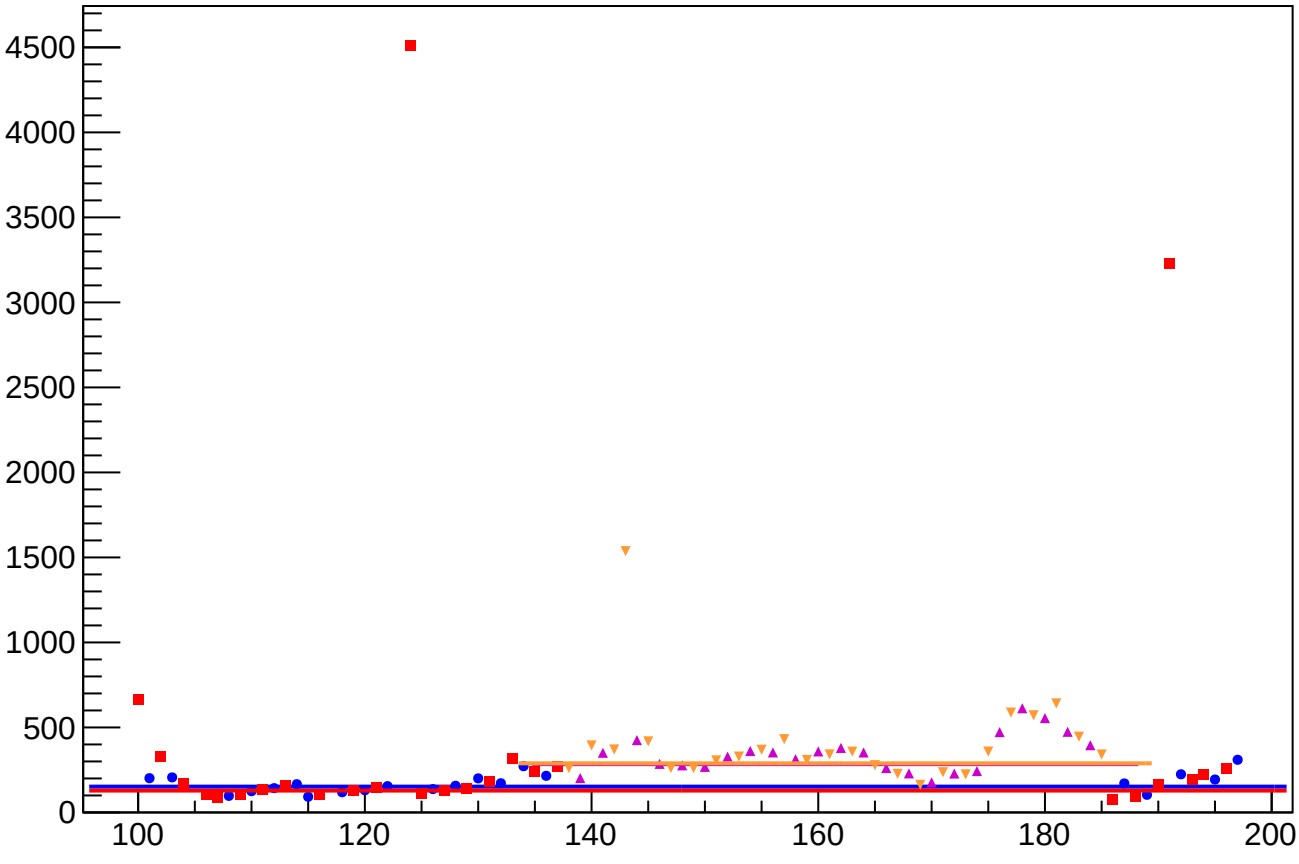
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.019+/-0.027 χ^2/NDF: 107.0/94

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

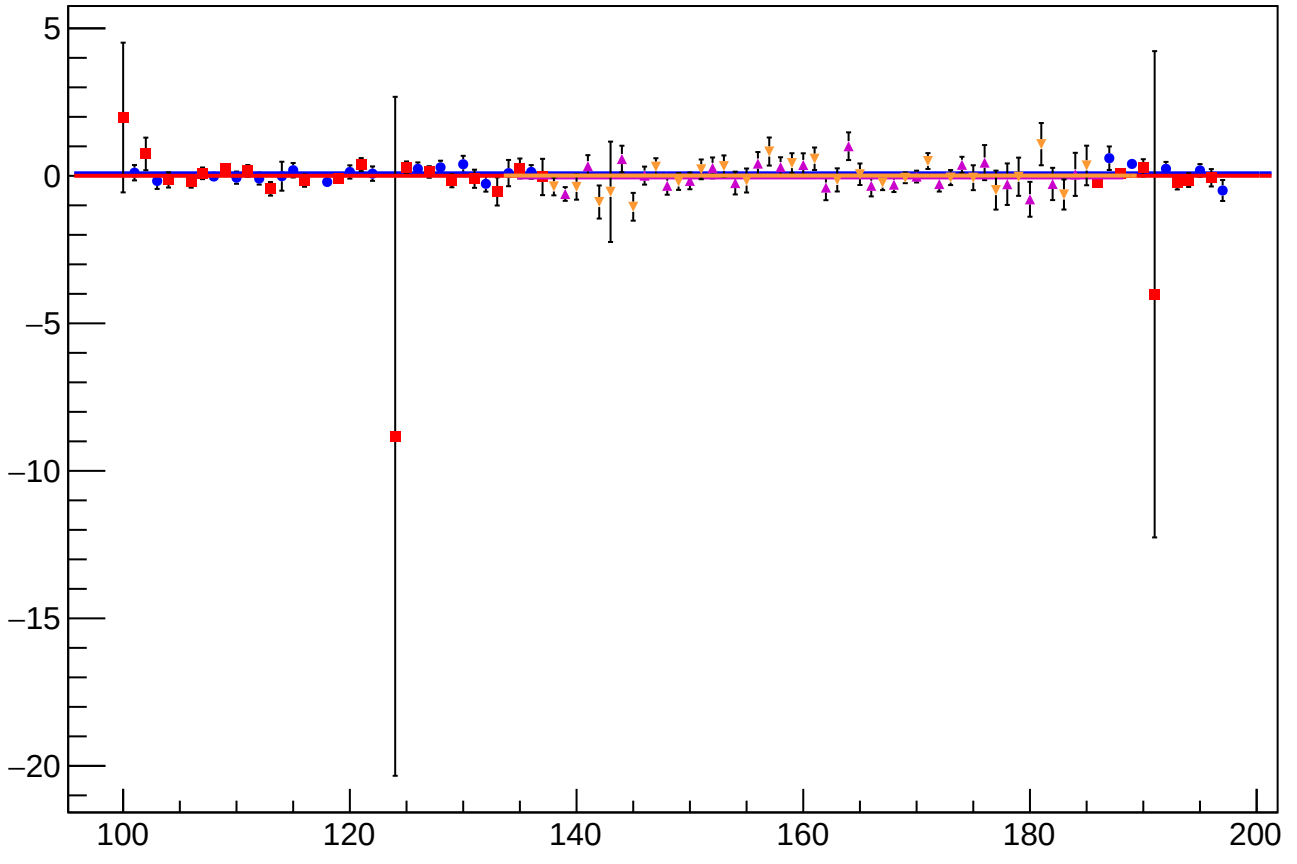
Right Out: 128.632+/-0.030 χ^2/NDF: 3442949.3/25

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.451+/-0.029 χ^2/NDF: 11502095.0/45

All: 181.980+/-0.019 χ^2/NDF: 25705535.5/94

- sign 169.859+/-0.026 χ^2/NDF: 13694301.3/48



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

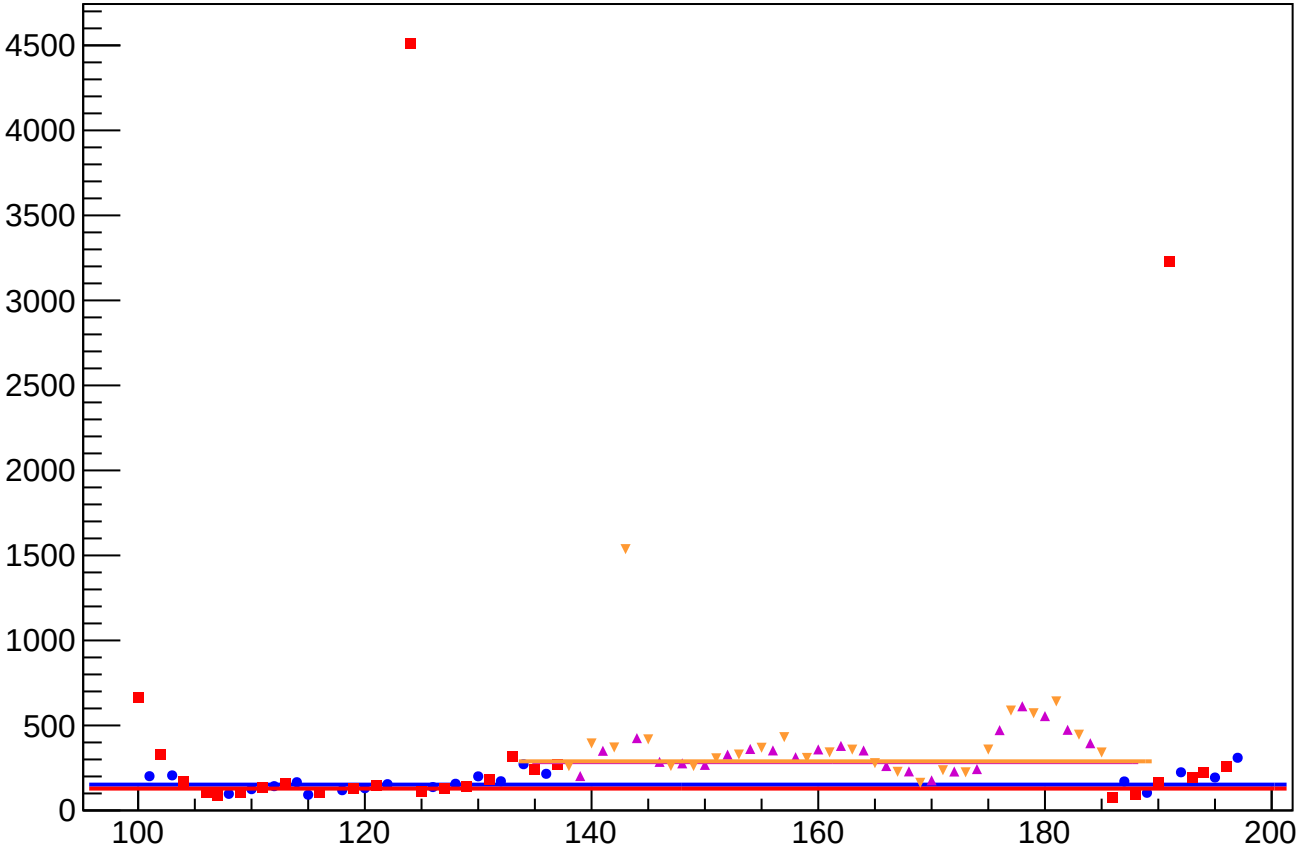
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.019+/-0.027 χ^2/NDF: 107.0/94

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

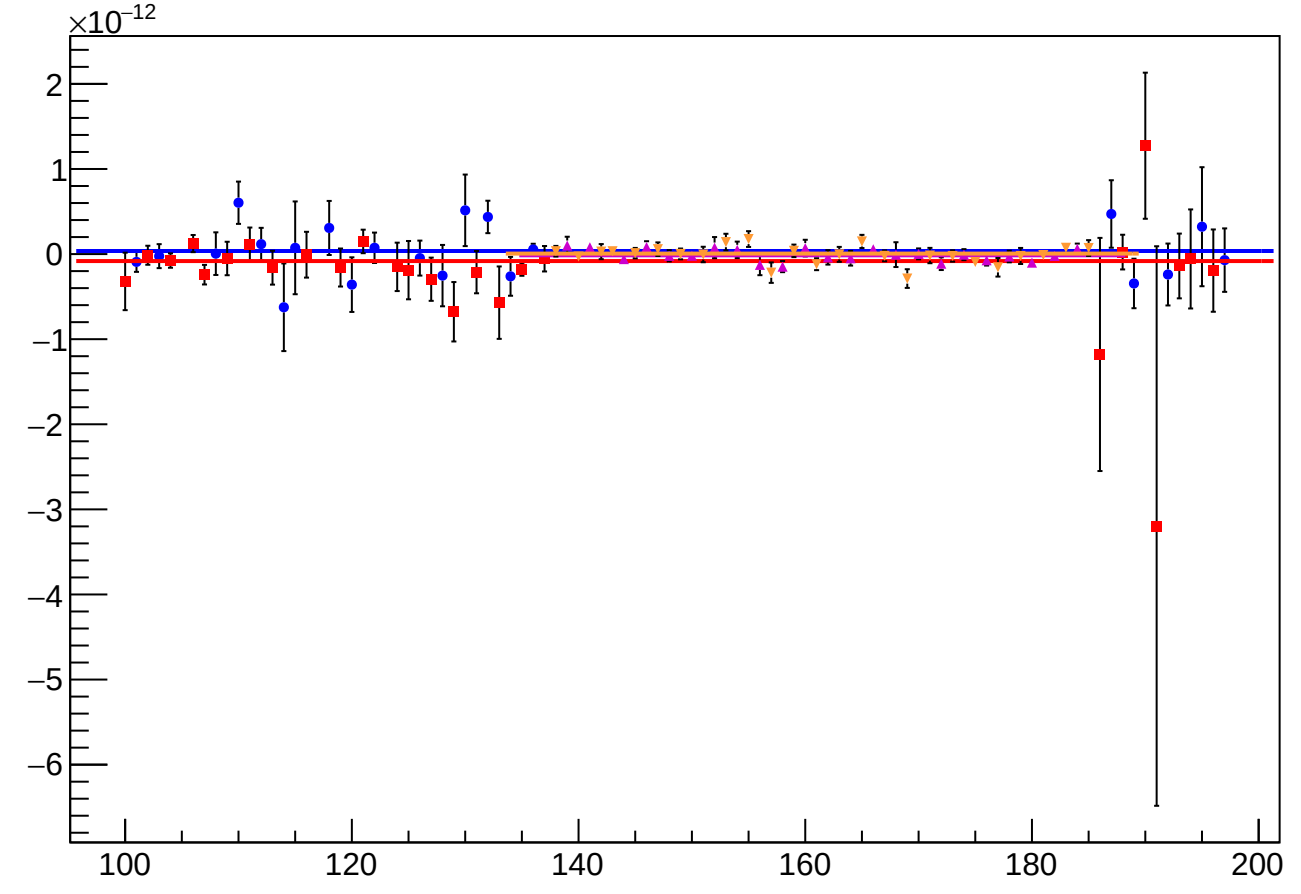
Right Out: 128.632+/-0.030 χ^2/NDF: 3442949.3/25

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.451+/-0.029 χ^2/NDF: 11502095.0/45

All: 181.980+/-0.019 χ^2/NDF: 25705535.5/94

- sign 169.859+/-0.026 χ^2/NDF: 13694301.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

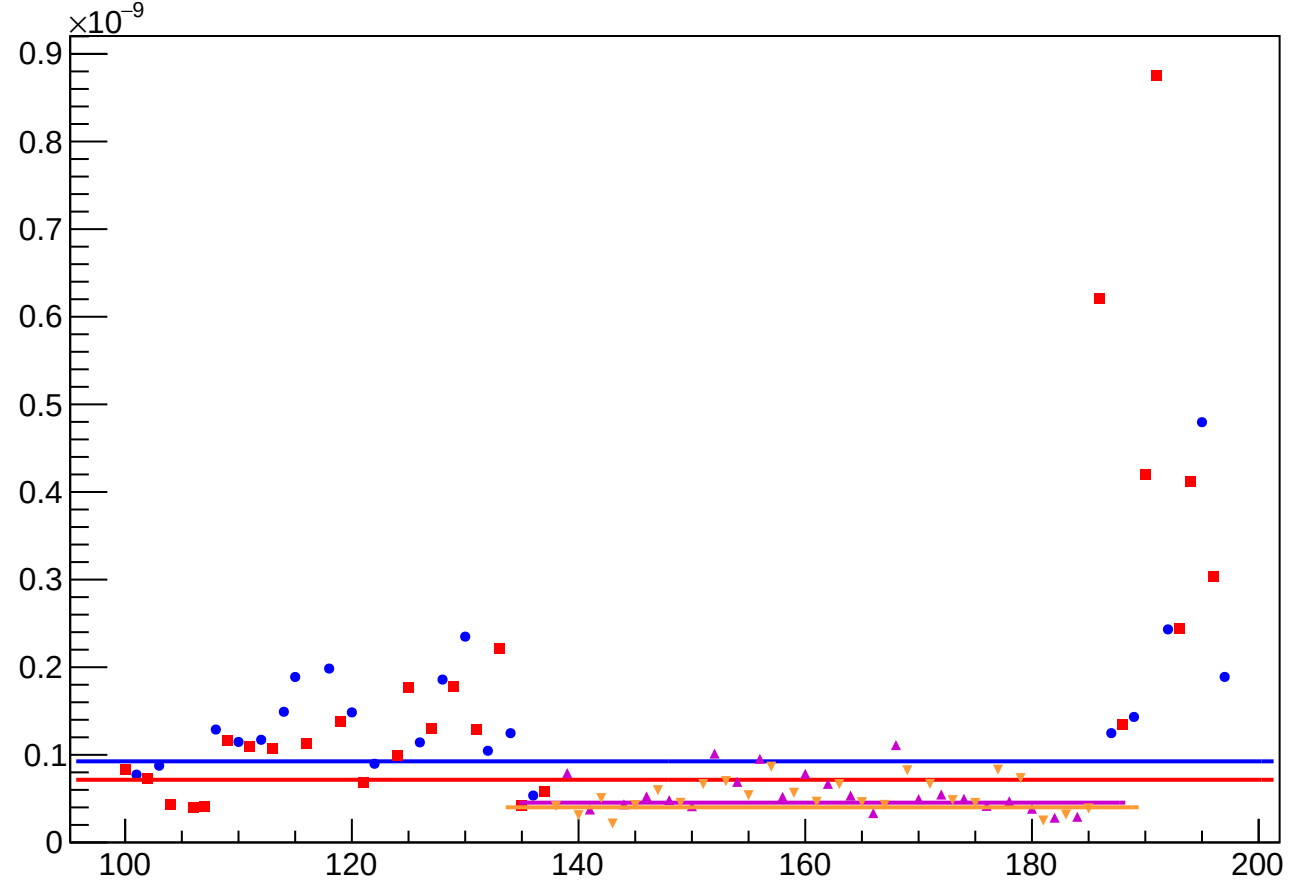
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/25

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.4/45

All: -0.000+/-0.000 χ^2/NDF: 110.2/94

- sign -0.000+/-0.000 χ^2/NDF: 49.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2771415.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4742507.3/25

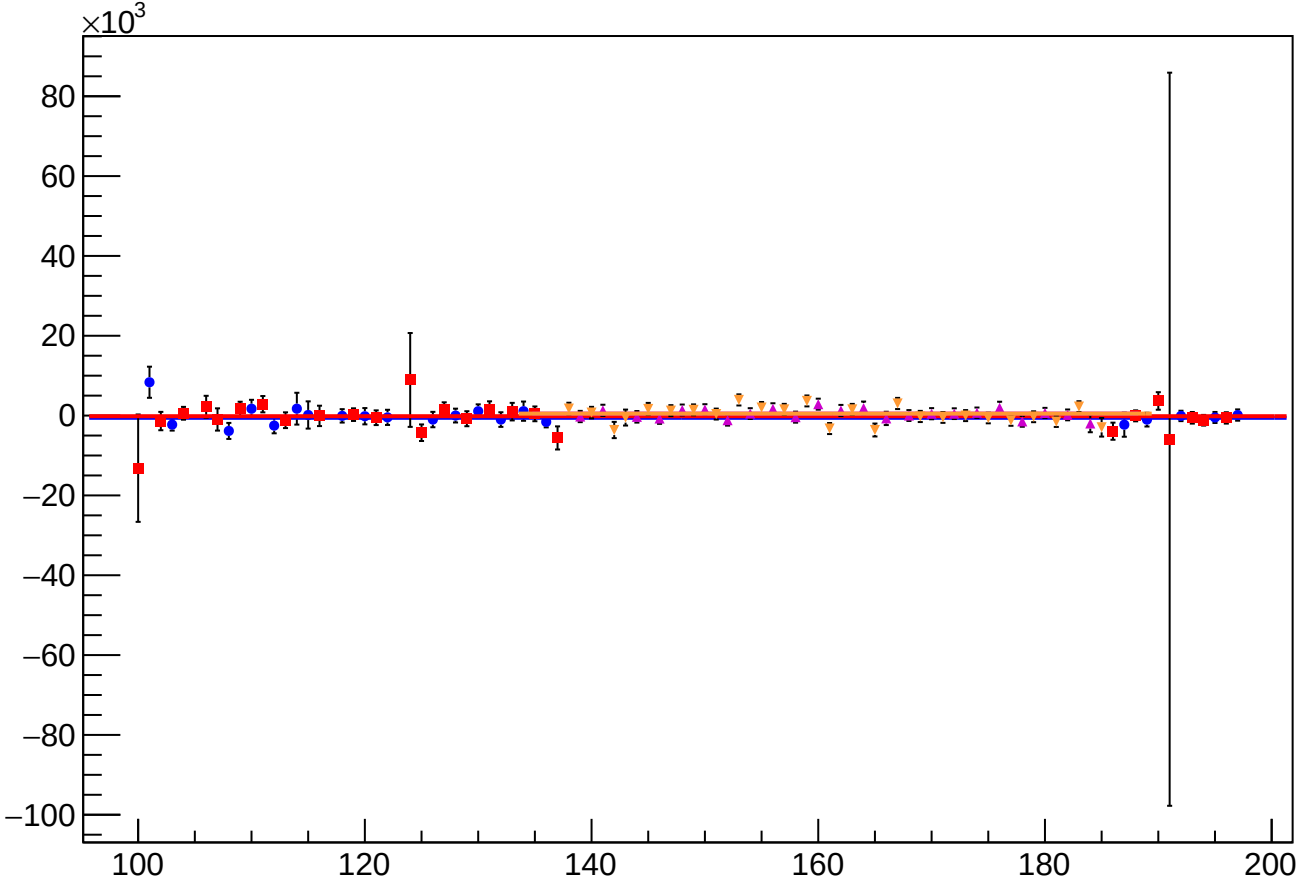
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9331289.6/45

All: 0.000+/-0.000 χ^2/NDF: 18054419.8/94

- sign 0.000+/-0.000 χ^2/NDF: 8567925.5/48

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -554.707+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.945+/-386.866 χ^2/NDF: 22.9/25

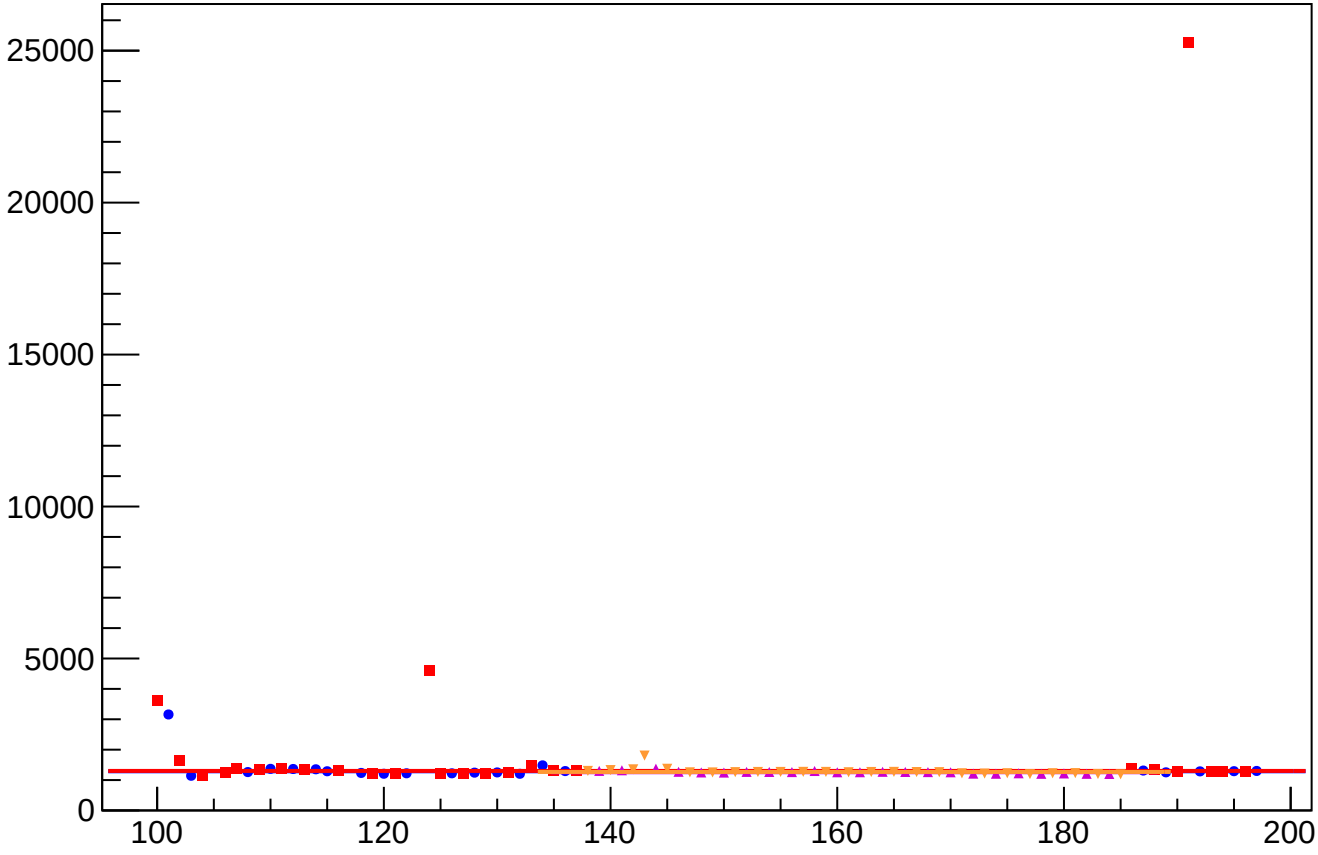
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 134.016+/-234.010 χ^2/NDF: 66.1/45

All: 192.708+/-165.453 χ^2/NDF: 105.3/94

- sign 251.375+/-233.960 χ^2/NDF: 39.1/48

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515758.7/20

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

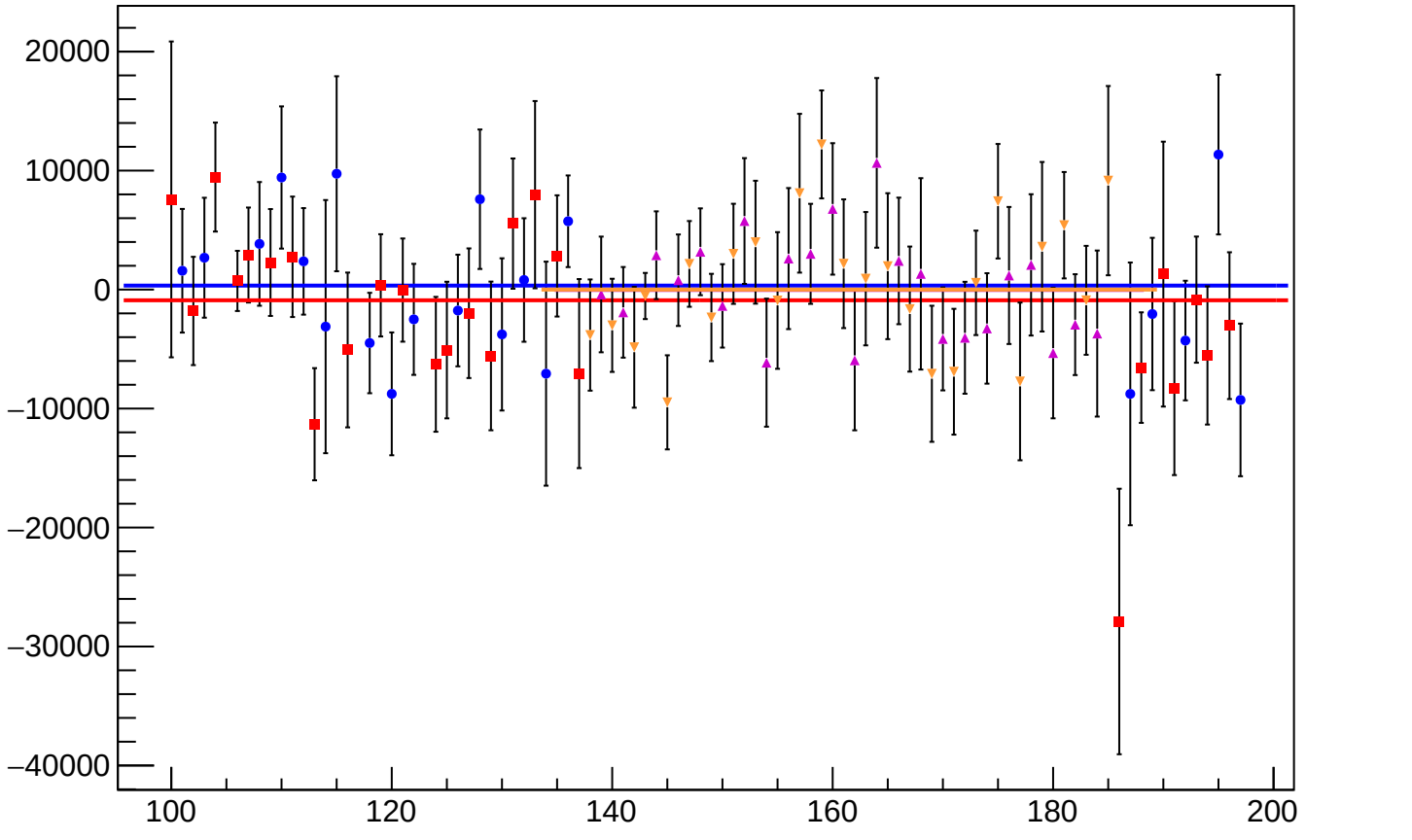
Right Out: 1300.693+/-0.273 χ^2/NDF: 465812.9/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707202.5/45

All: 1273.889+/-0.117 χ^2/NDF: 1225660.3/94

- sign 1273.363+/-0.165 χ^2/NDF: 518437.5/48



Right In: 334.878+/-1205.577 χ^2/NDF: 20.8/20

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

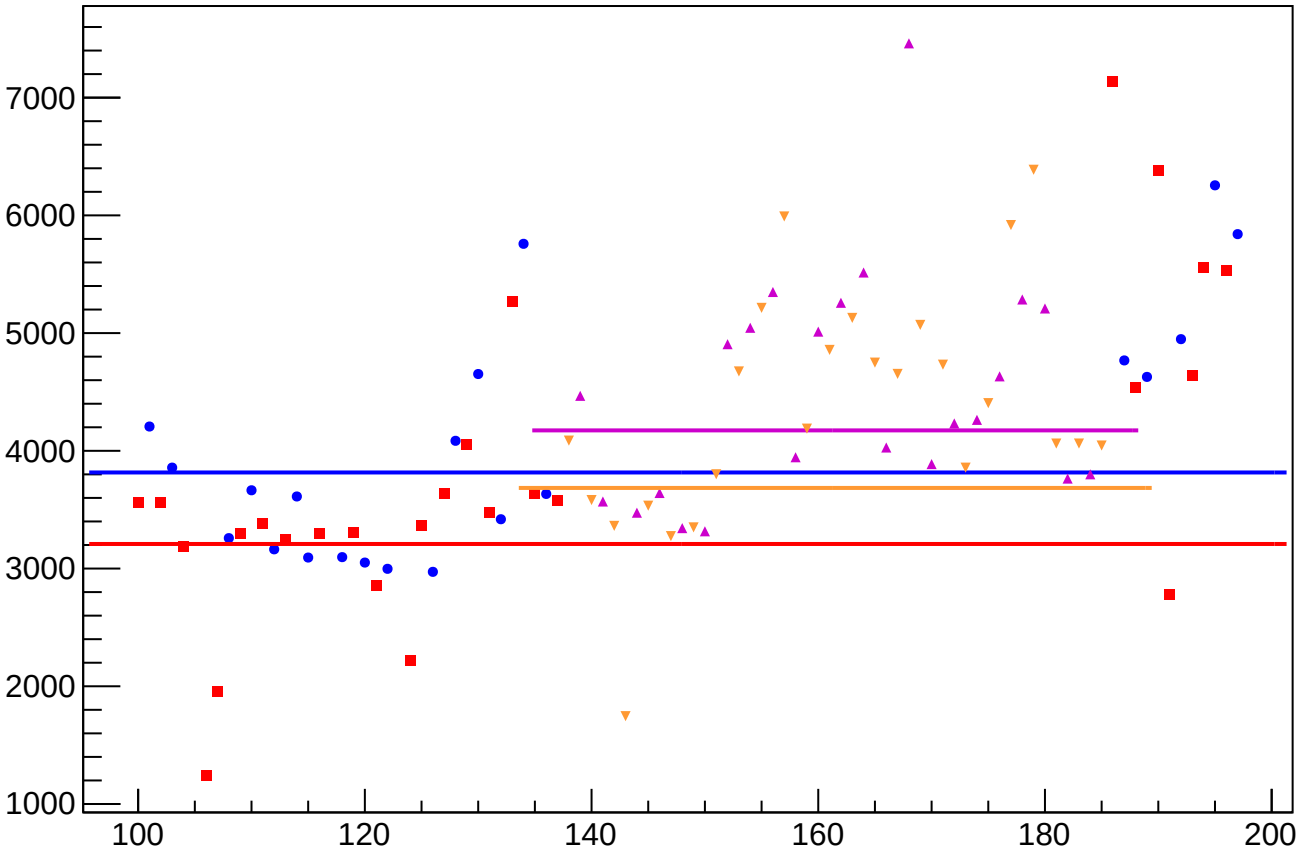
Right Out: -899.769+/-1008.735 χ^2/NDF: 28.3/25

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

\+ sign 117.131+/-714.190 χ^2/NDF: 49.9/45

All: -173.682+/-502.986 χ^2/NDF: 92.9/94

\- sign -459.882+/-708.503 χ^2/NDF: 42.7/48



Right In: 3816.131+/-0.852 χ^2/NDF: 1074419.0/20

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

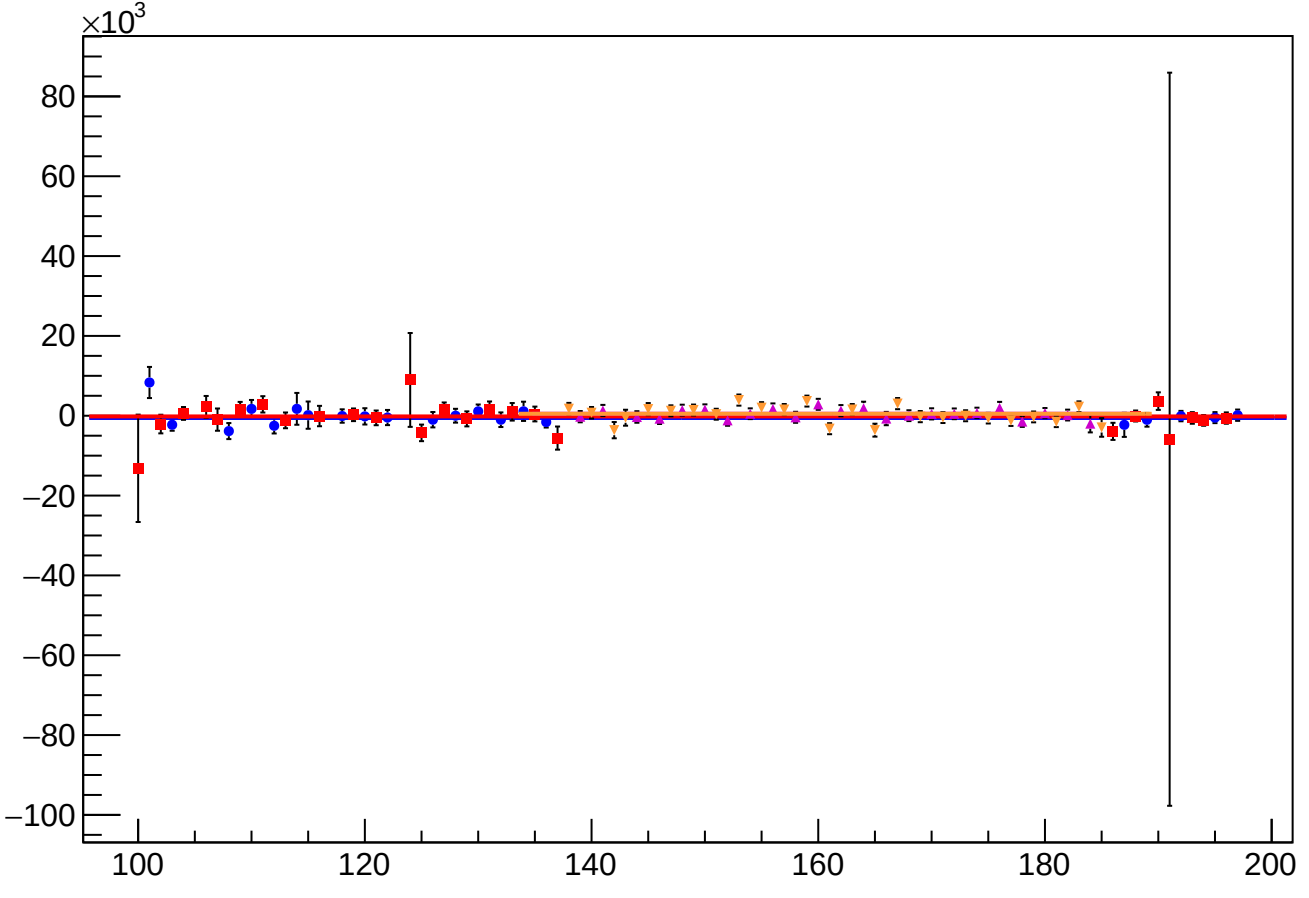
Right Out: 3208.734+/-0.713 χ^2/NDF: 3048047.1/25

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3730.869+/-0.505 χ^2/NDF: 4783477.7/45

All: 3714.096+/-0.356 χ^2/NDF: 10035734.3/9

\- sign 3697.589+/-0.501 χ^2/NDF: 5250067.8/48



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -175.365+/-387.027 χ^2/NDF: 23.3/25

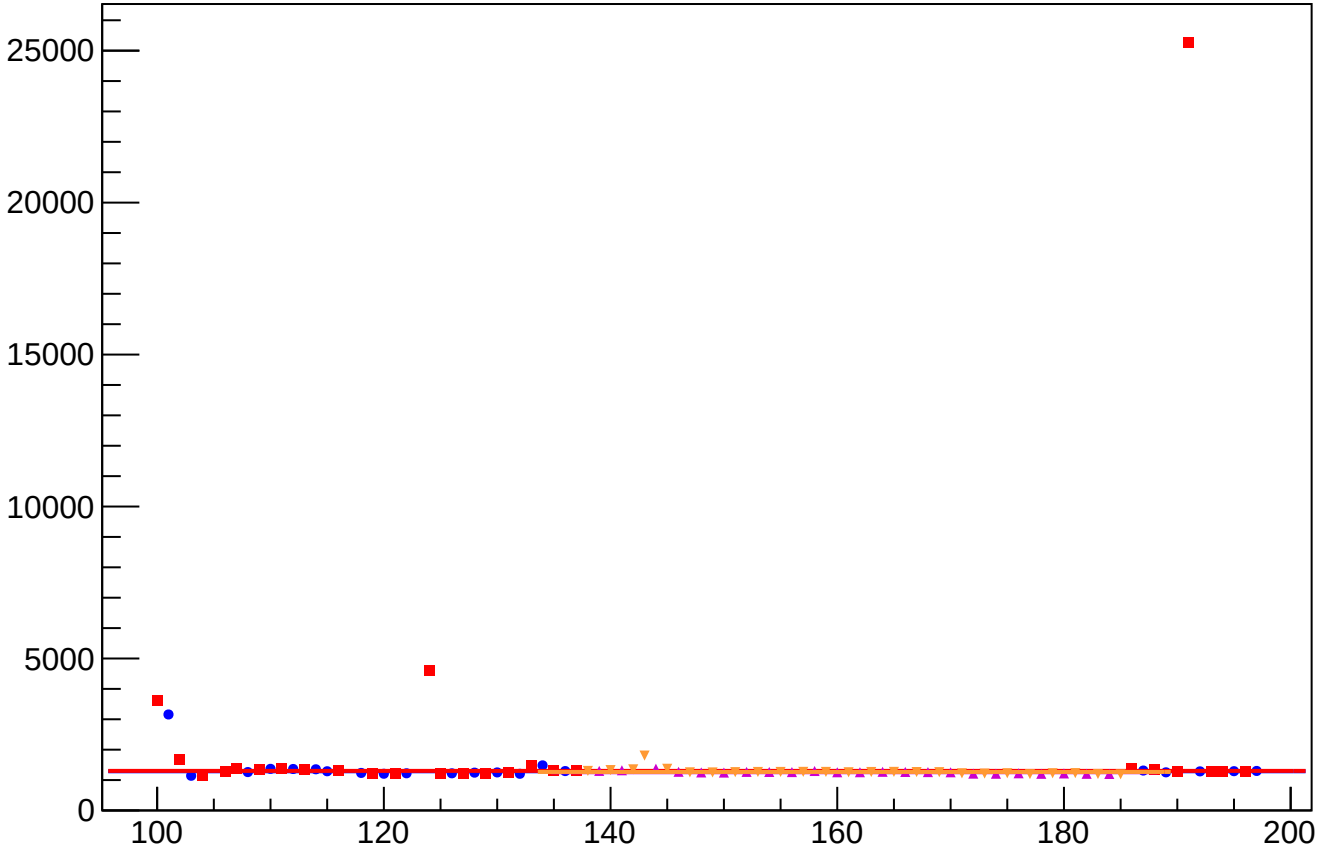
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.938+/-234.010 χ^2/NDF: 66.1/45

All: 189.323+/-165.465 χ^2/NDF: 105.8/94

- sign 244.702+/-233.996 χ^2/NDF: 39.6/48

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

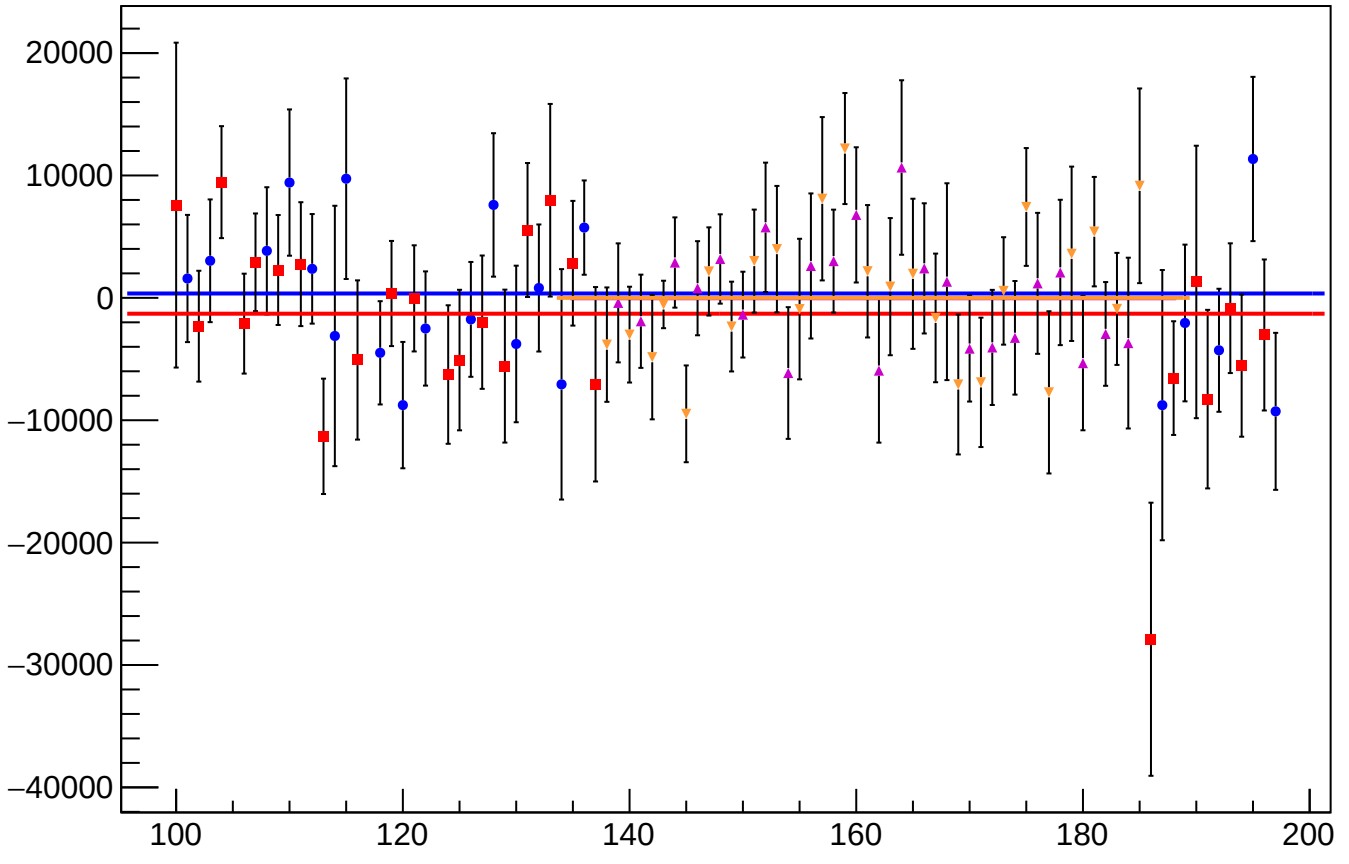
Right Out: 1301.974+/-0.273 χ^2/NDF: 472288.7/25

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707203.8/45

All: 1274.115+/-0.117 χ^2/NDF: 1233057.2/94

- sign 1273.814+/-0.165 χ^2/NDF: 525846.8/48



Right In: 356.476+/-1205.235 χ^2/NDF: 20.9/20

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

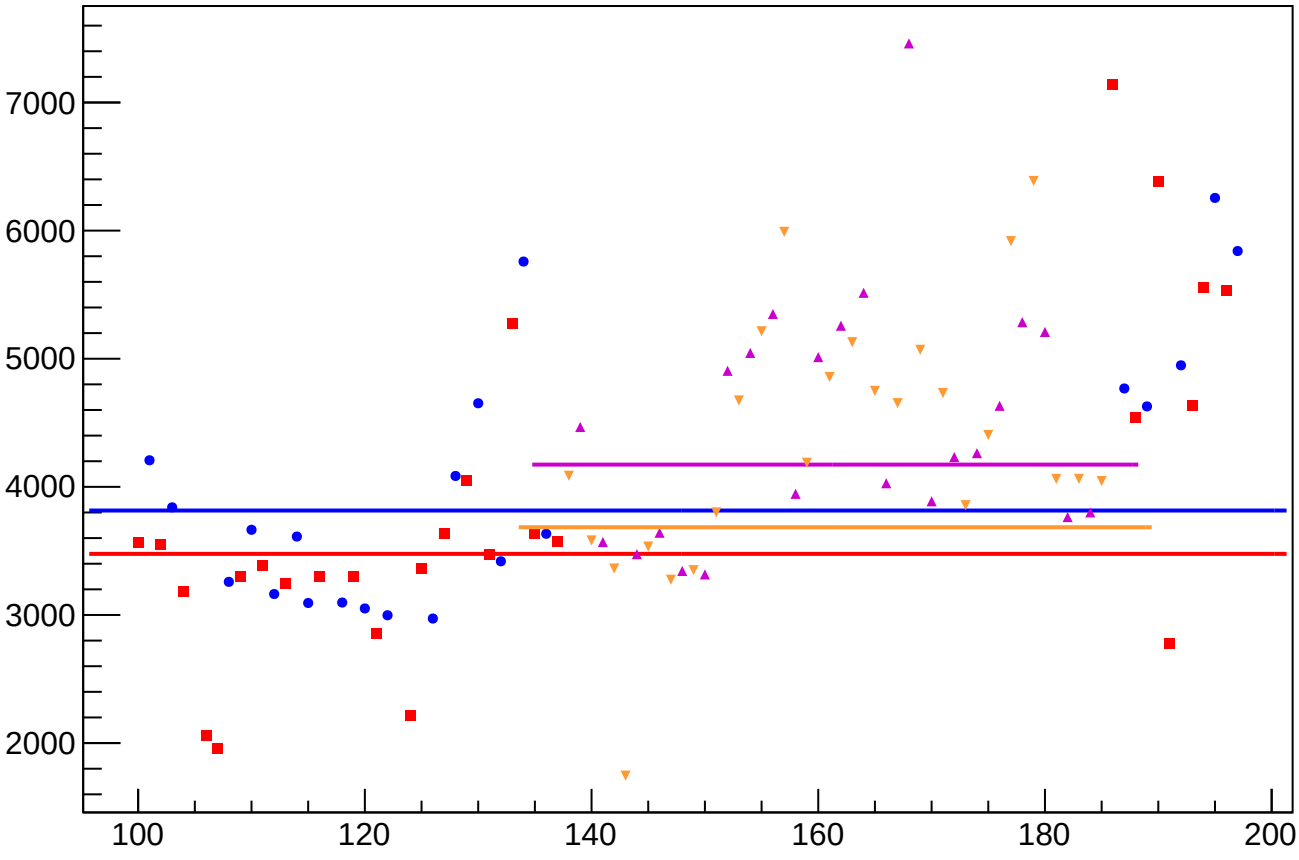
Right Out: -1295.913+/-1061.753 χ^2/NDF: 27.9/25

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 124.798+/-714.119 χ^2/NDF: 50.0/45

All: -242.842+/-509.161 χ^2/NDF: 93.2/94

- sign -622.984+/-726.158 χ^2/NDF: 42.7/48



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

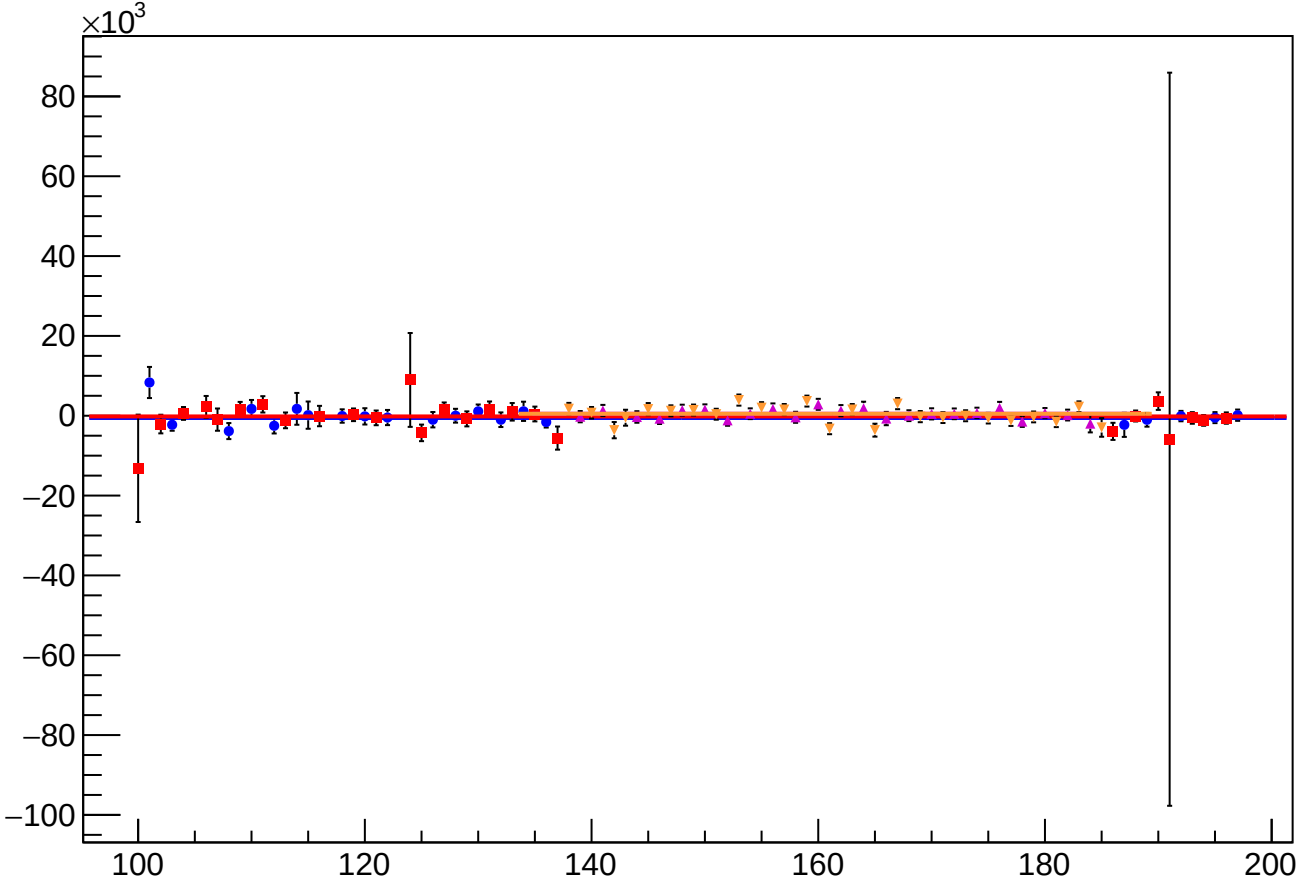
Right Out: 3476.932+/-0.751 χ^2/NDF: 1868011.4/25

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3730.555+/-0.505 χ^2/NDF: 4783283.5/45

All: 3788.151+/-0.360 χ^2/NDF: 8410958.4/94

- sign 3847.705+/-0.513 χ^2/NDF: 3601213.0/48



Right In: -554.967+/-400.120 χ^2/NDF: 14.7/20

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -175.365+/-387.027 χ^2/NDF: 23.3/25

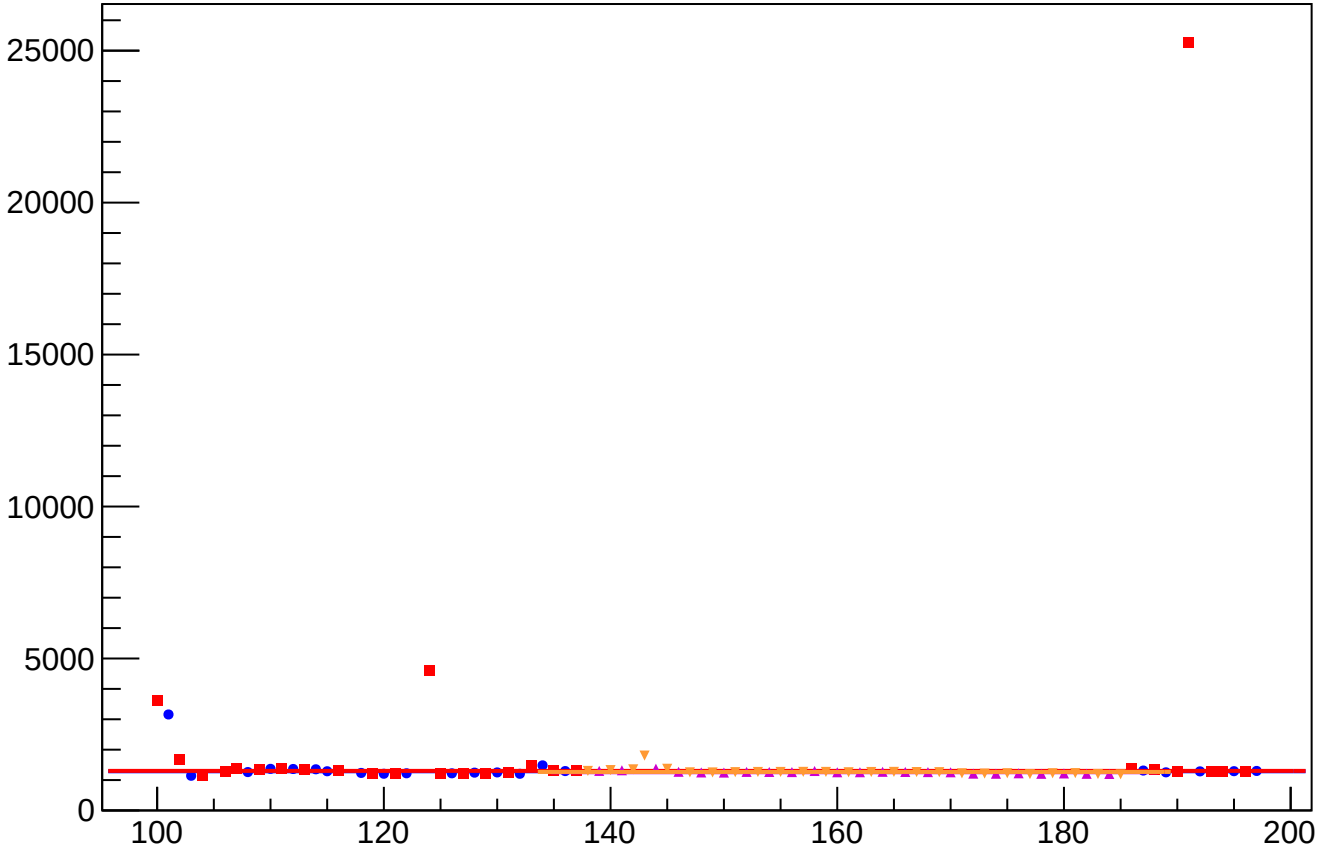
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 133.938+/-234.010 χ^2/NDF: 66.1/45

All: 189.323+/-165.465 χ^2/NDF: 105.8/94

- sign 244.702+/-233.996 χ^2/NDF: 39.6/48

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1288.745+/-0.283 χ^2/NDF: 515760.2/20

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

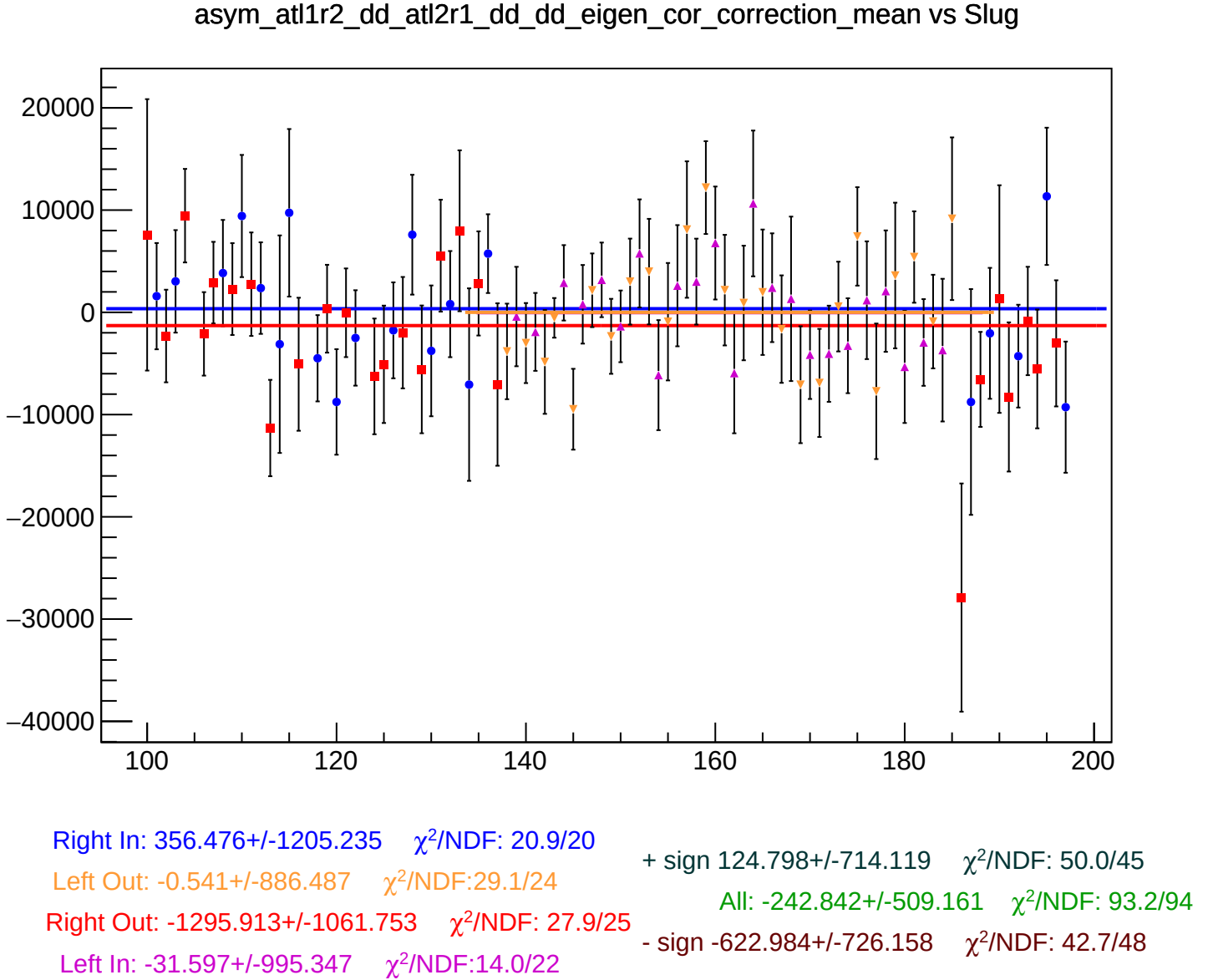
Right Out: 1301.974+/-0.273 χ^2/NDF: 472288.7/25

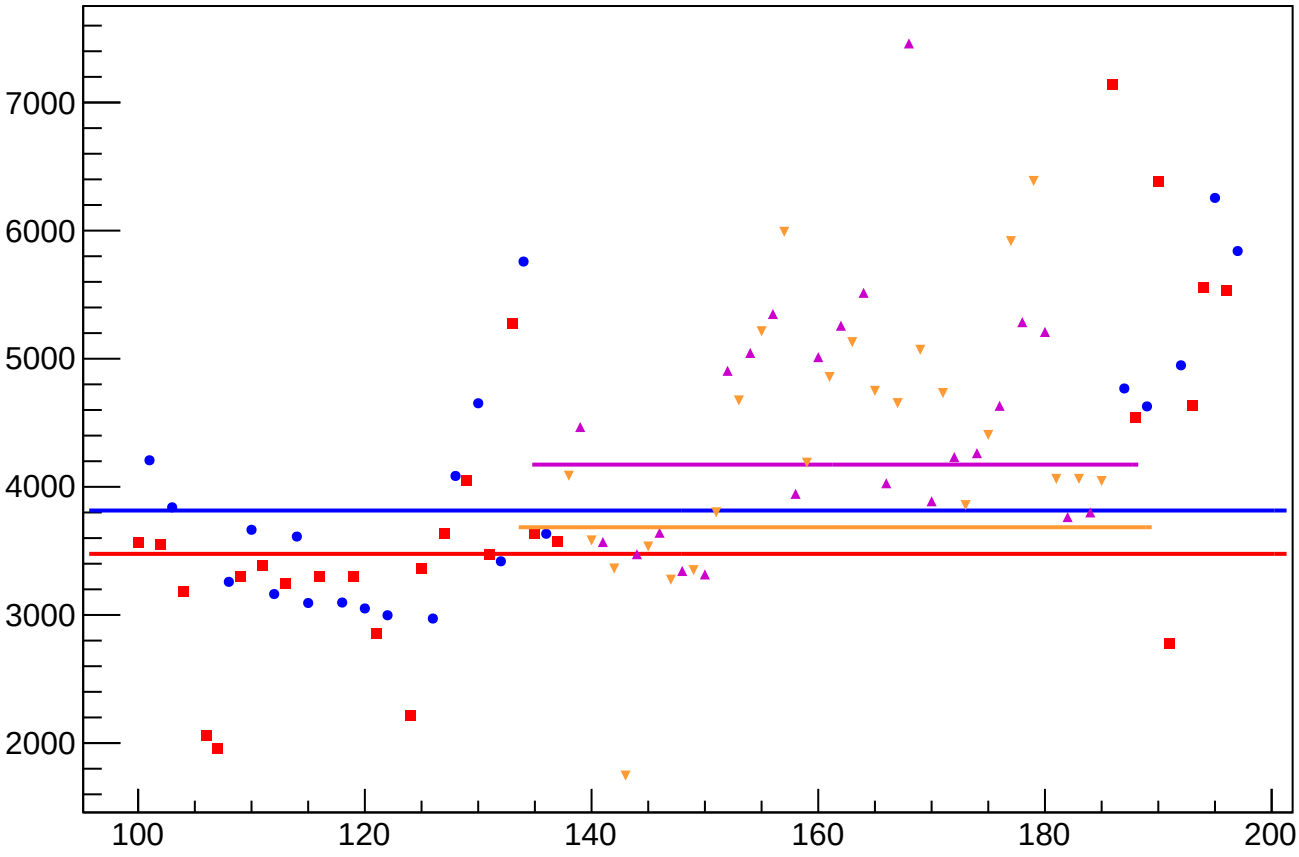
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.416+/-0.165 χ^2/NDF: 707203.8/45

All: 1274.115+/-0.117 χ^2/NDF: 1233057.2/94

- sign 1273.814+/-0.165 χ^2/NDF: 525846.8/48


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: 356.476+/-1205.235 χ²/NDF: 20.9/20
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1295.913+/-1061.753 χ²/NDF: 27.9/25
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 124.798+/-714.119 χ²/NDF: 50.0/45
All: -242.842+/-509.161 χ²/NDF: 93.2/94
- sign -622.984+/-726.158 χ²/NDF: 42.7/48



Right In: 3815.200+/-0.852 χ^2/NDF: 1074394.6/20

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

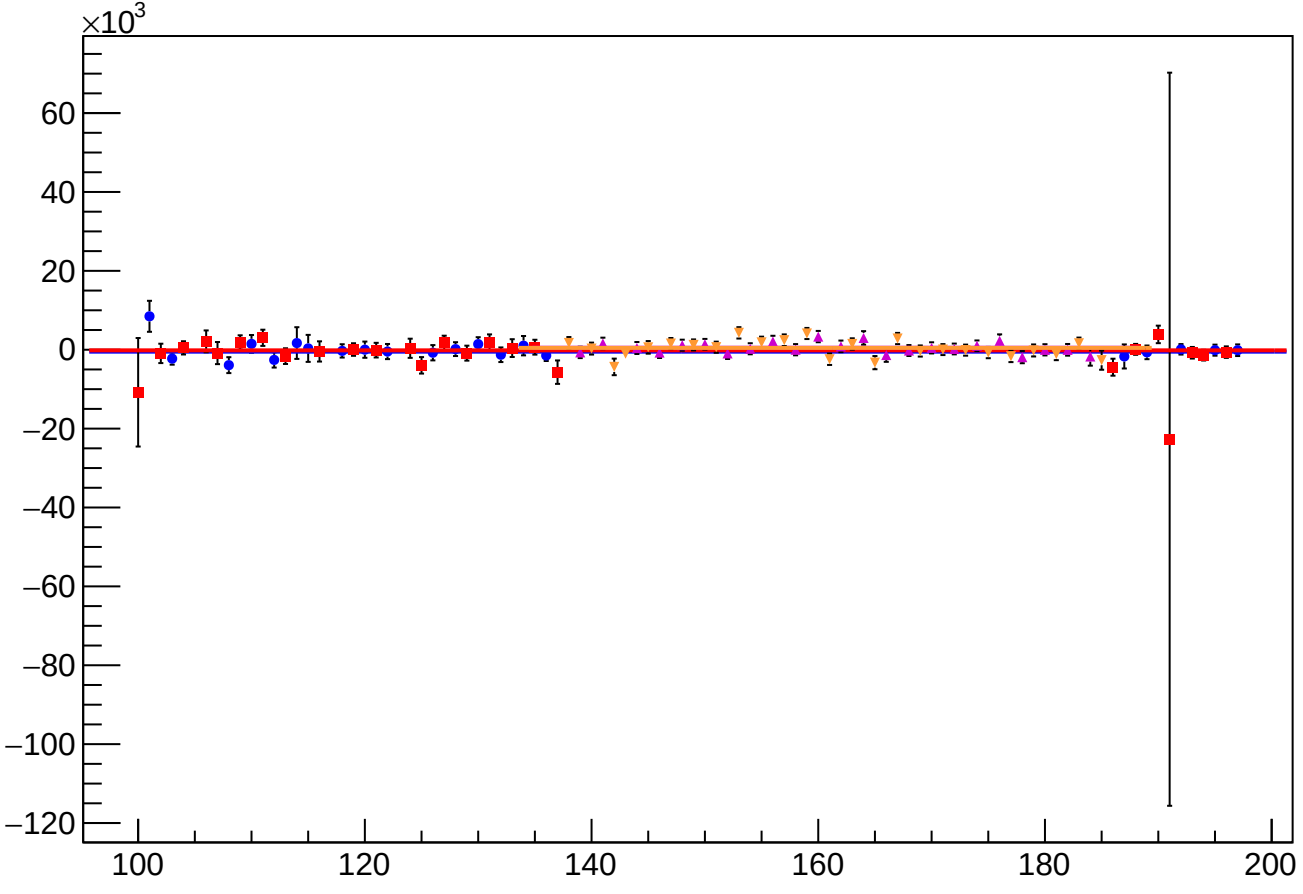
Right Out: 3476.932+/-0.751 χ^2/NDF: 1868011.4/25

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3730.555+/-0.505 χ^2/NDF: 4783283.5/45

All: 3788.151+/-0.360 χ^2/NDF: 8410958.4/94

- sign 3847.705+/-0.513 χ^2/NDF: 3601213.0/48



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -156.863+/-387.636 χ^2/NDF: 23.6/25

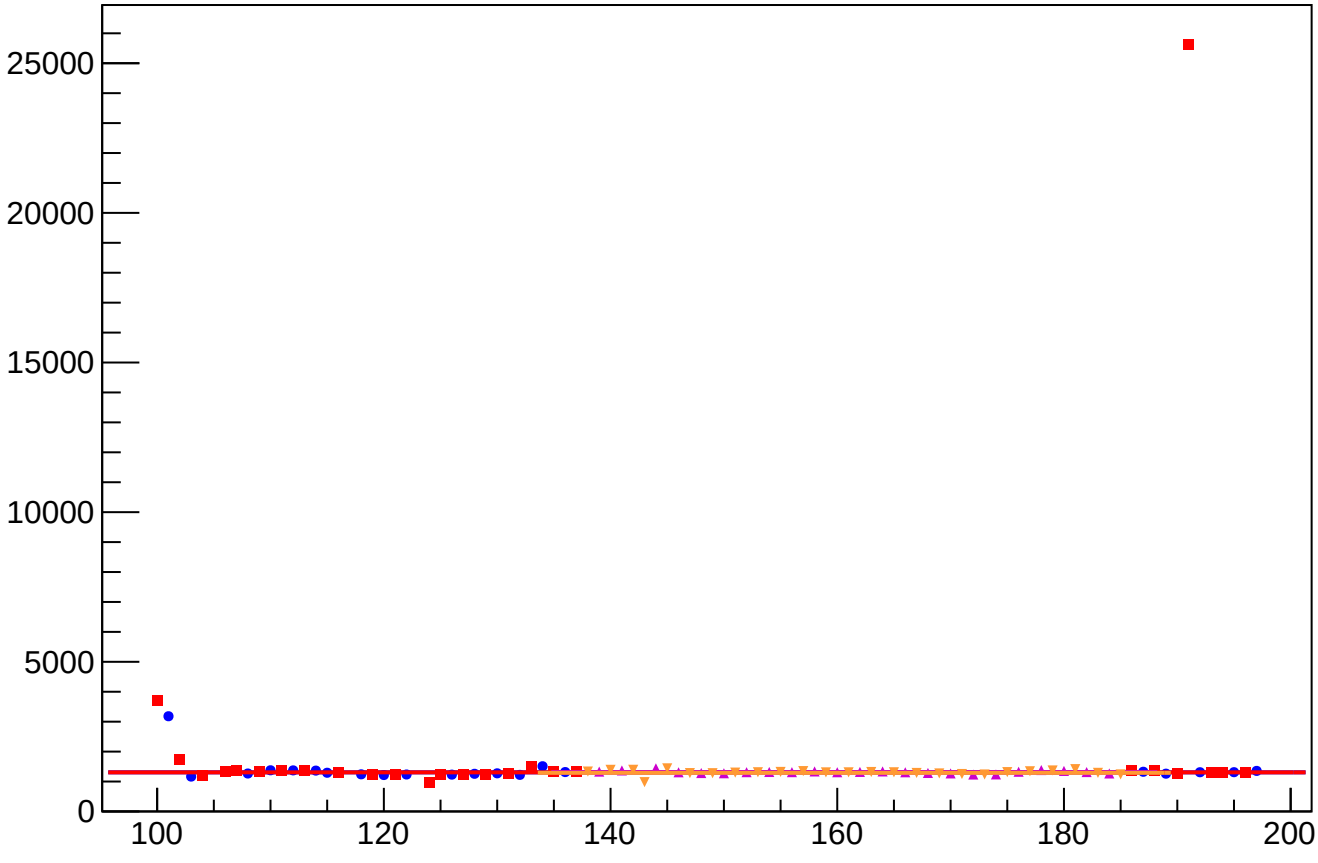
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 139.422+/-238.246 χ^2/NDF: 62.4/45

All: 193.620+/-169.323 χ^2/NDF: 105.3/94

\- sign 248.936+/-240.692 χ^2/NDF: 42.8/48

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1307.353+/-0.287 χ^2/NDF: 514221.9/20

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

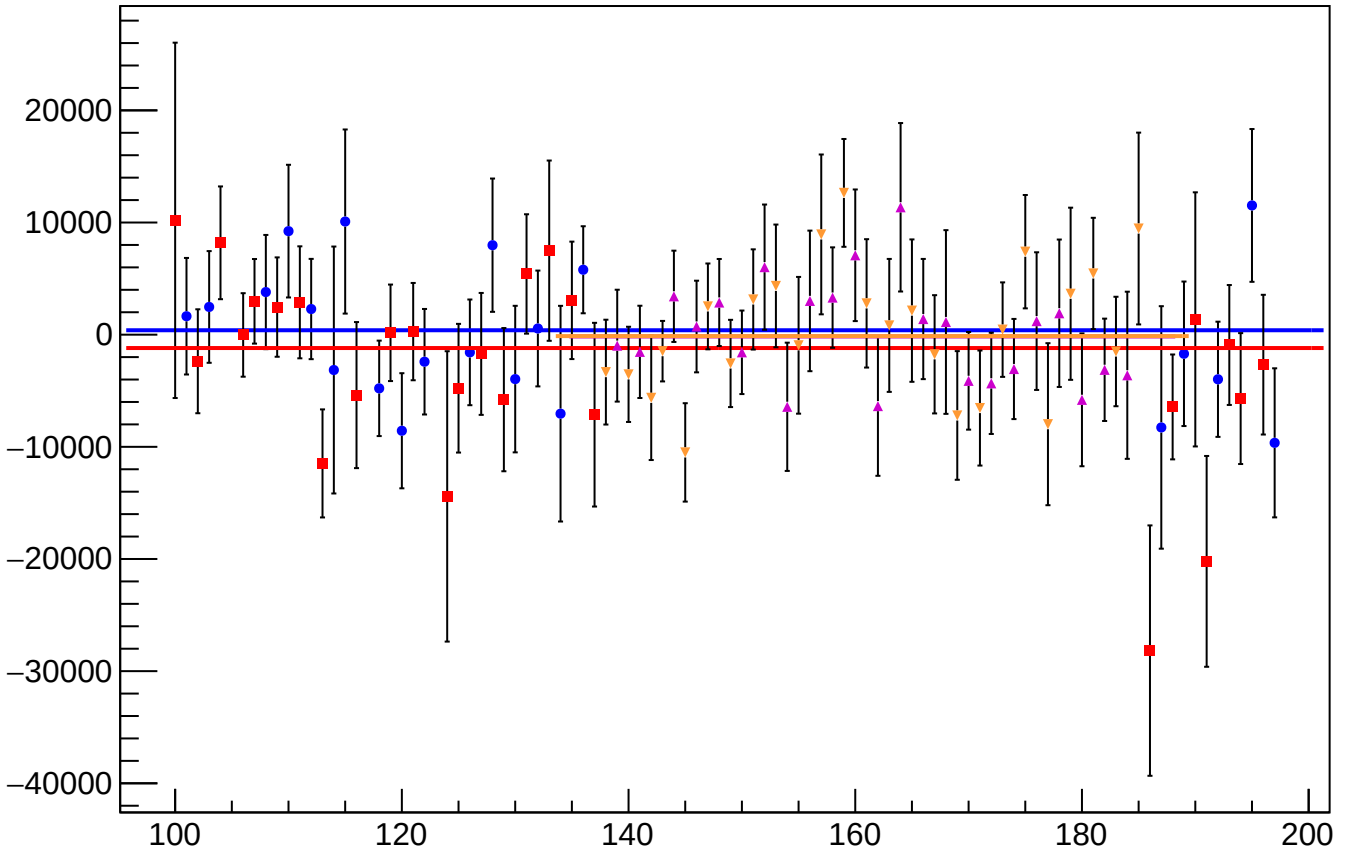
Right Out: 1306.477+/-0.274 χ^2/NDF: 360247.7/25

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1296.771+/-0.168 χ^2/NDF: 747030.3/45

All: 1303.864+/-0.120 χ^2/NDF: 1154368.0/94

- sign 1311.101+/-0.170 χ^2/NDF: 403756.2/48



Right In: 394.384+/-1210.625 χ^2/NDF: 20.7/20

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

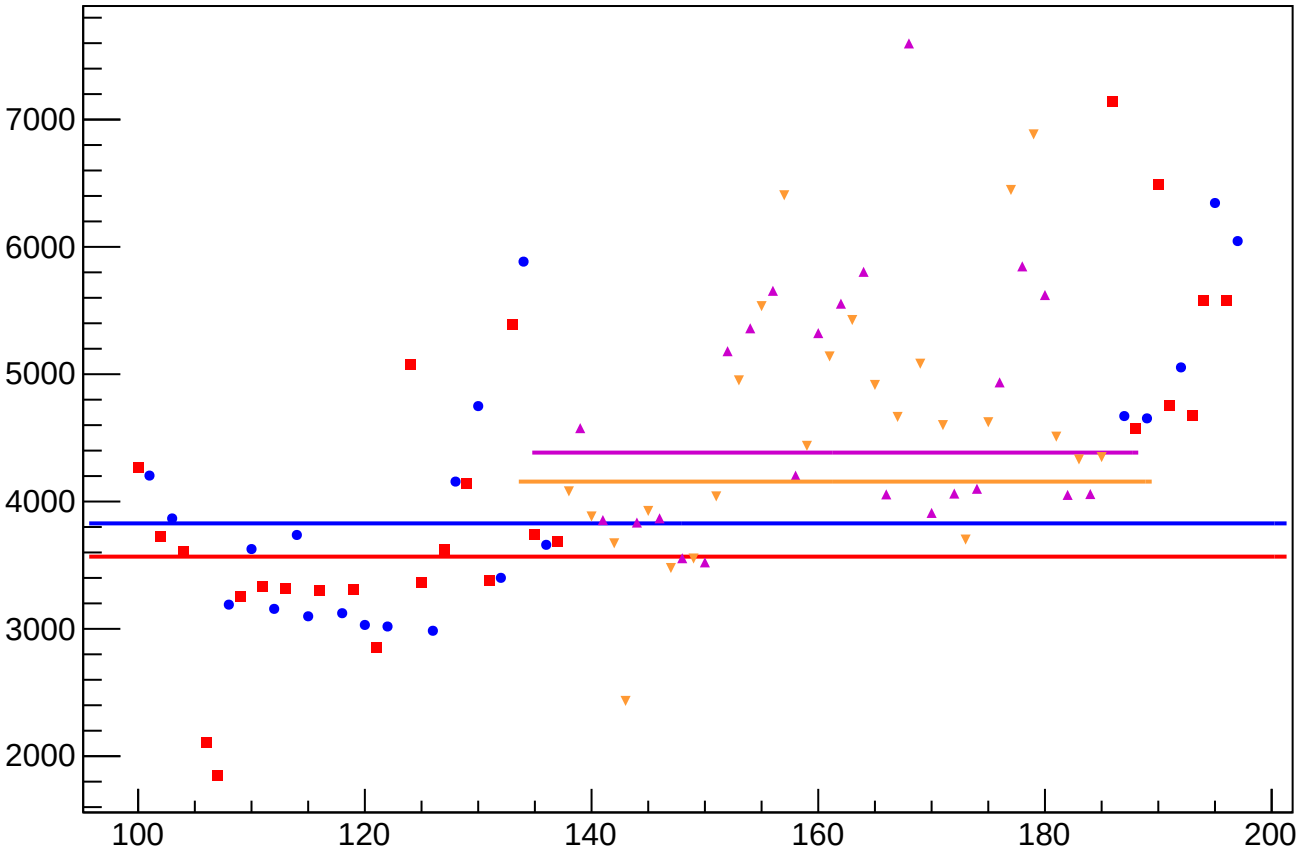
Right Out: -1191.530+/-1079.945 χ^2/NDF: 29.7/25

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 78.532+/-760.407 χ^2/NDF: 49.4/45

All: -294.628+/-534.392 χ^2/NDF: 93.8/94

- sign -658.775+/-751.166 χ^2/NDF: 43.9/48



Right In: 3828.348+/-0.856 χ^2/NDF: 1141062.0/20

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

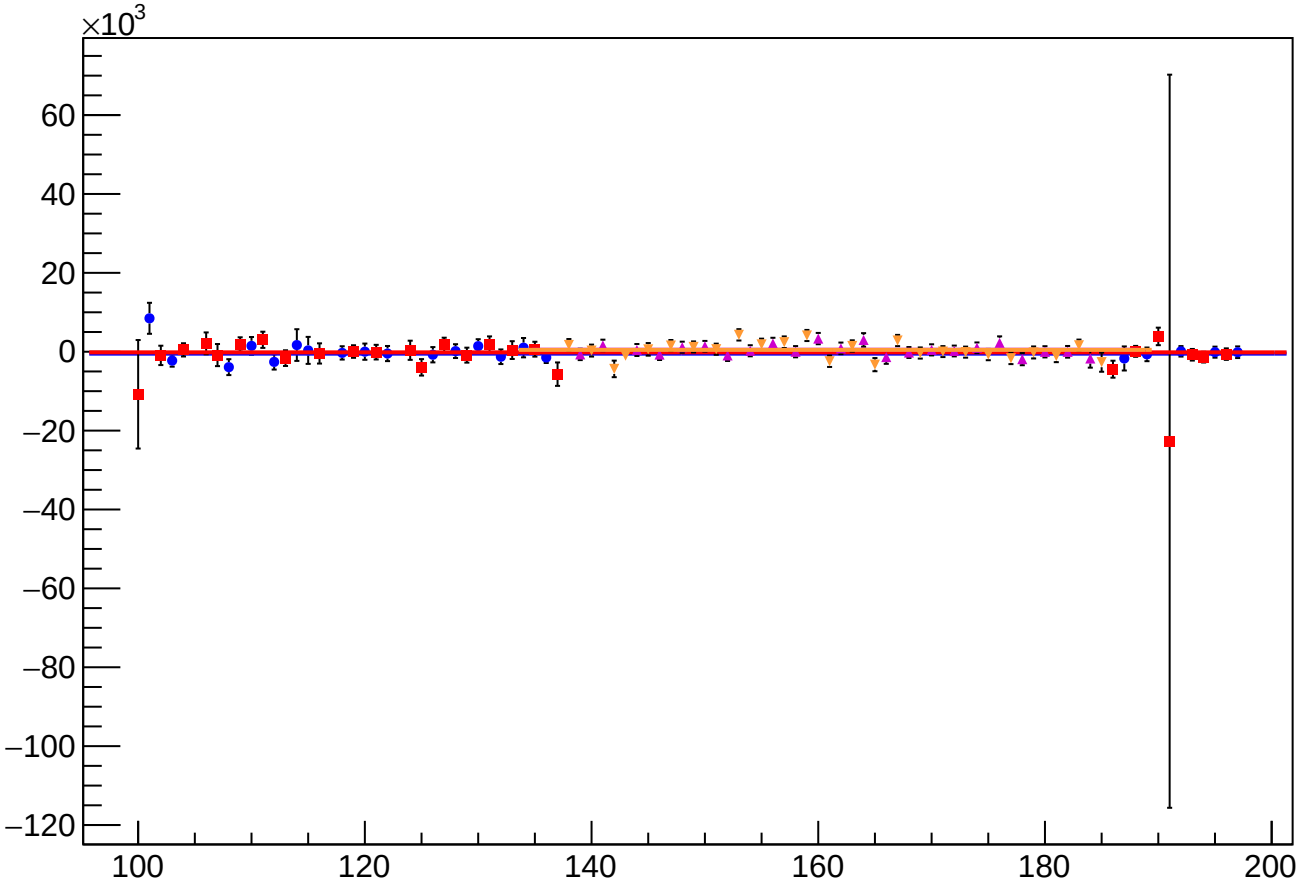
Right Out: 3567.226+/-0.764 χ^2/NDF: 1961452.3/25

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4027.086+/-0.538 χ^2/NDF: 3310845.6/45

All: 4007.815+/-0.378 χ^2/NDF: 7121309.4/94

- sign 3989.009+/-0.531 χ^2/NDF: 3807925.7/48



Right In: -485.743+/-405.931 χ^2/NDF: 14.7/20

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -156.858+/-387.636 χ^2/NDF: 23.6/25

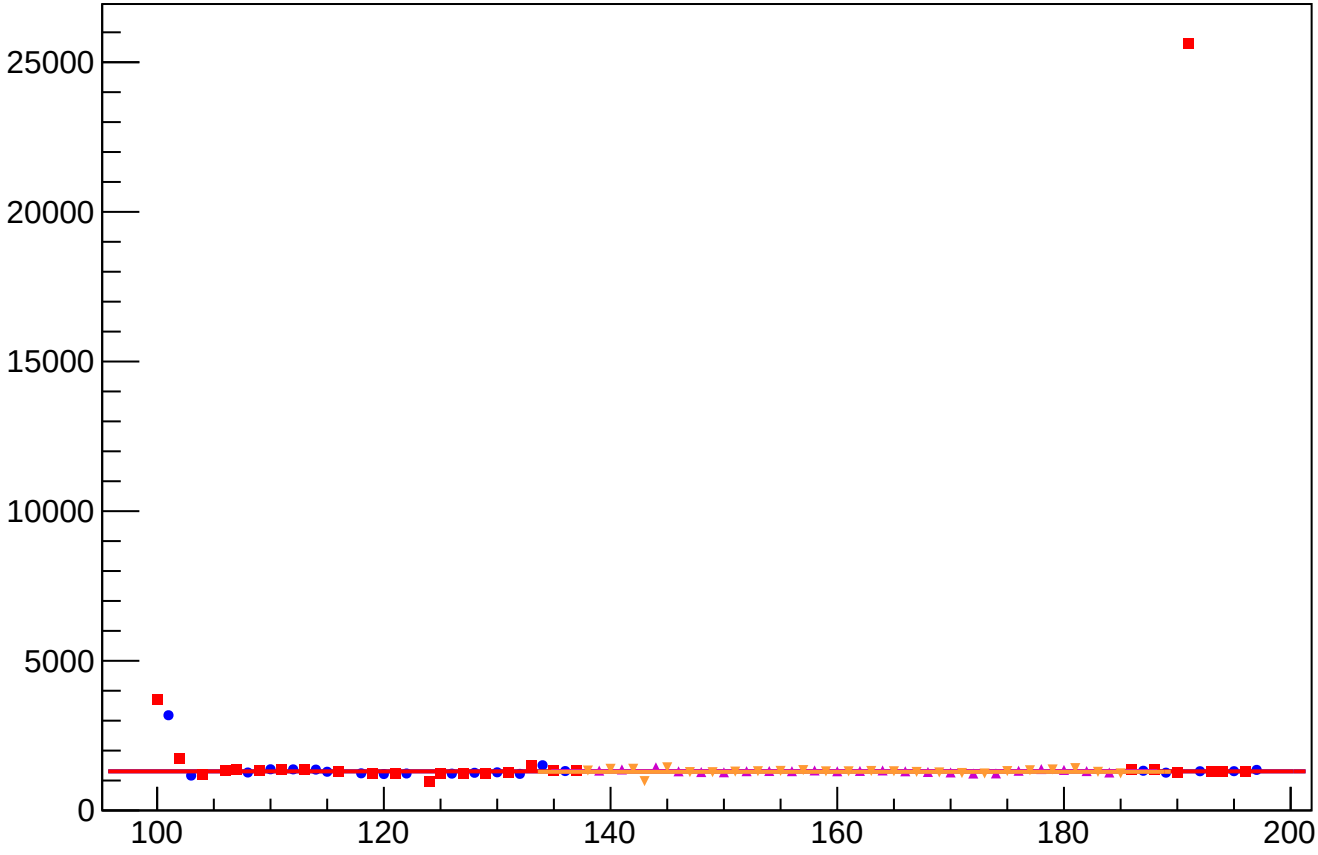
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 139.424+/-238.246 χ^2/NDF: 62.4/45

All: 193.622+/-169.323 χ^2/NDF: 105.3/94

- sign 248.938+/-240.692 χ^2/NDF: 42.8/48

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1307.353+/-0.287 χ^2/NDF: 514222.1/20

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

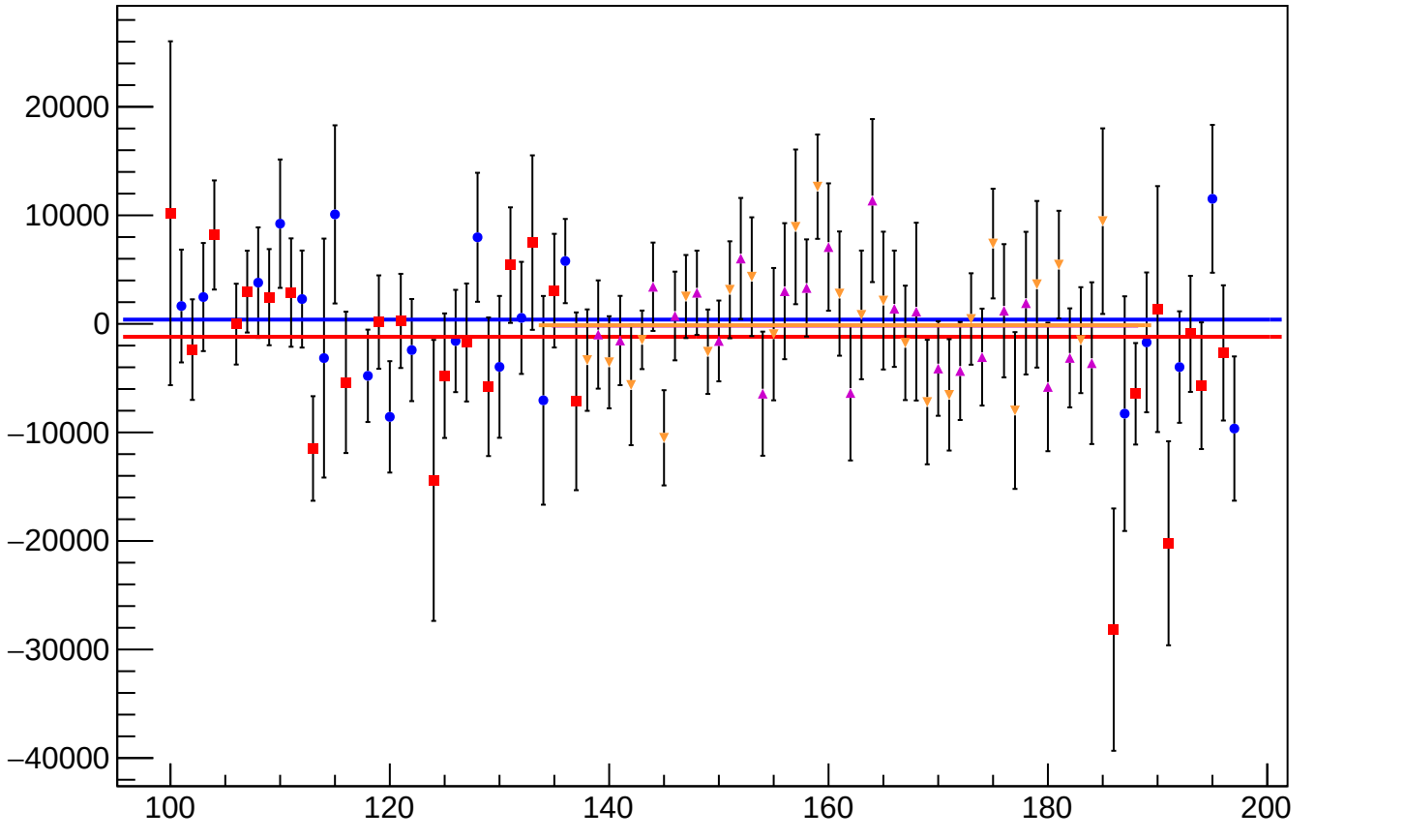
Right Out: 1306.477+/-0.274 χ^2/NDF: 360247.8/25

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1296.772+/-0.168 χ^2/NDF: 747032.7/45

All: 1303.865+/-0.120 χ^2/NDF: 1154372.8/94

- sign 1311.102+/-0.170 χ^2/NDF: 403758.7/48



Right In: 394.376+/-1210.623 χ^2/NDF: 20.7/20

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

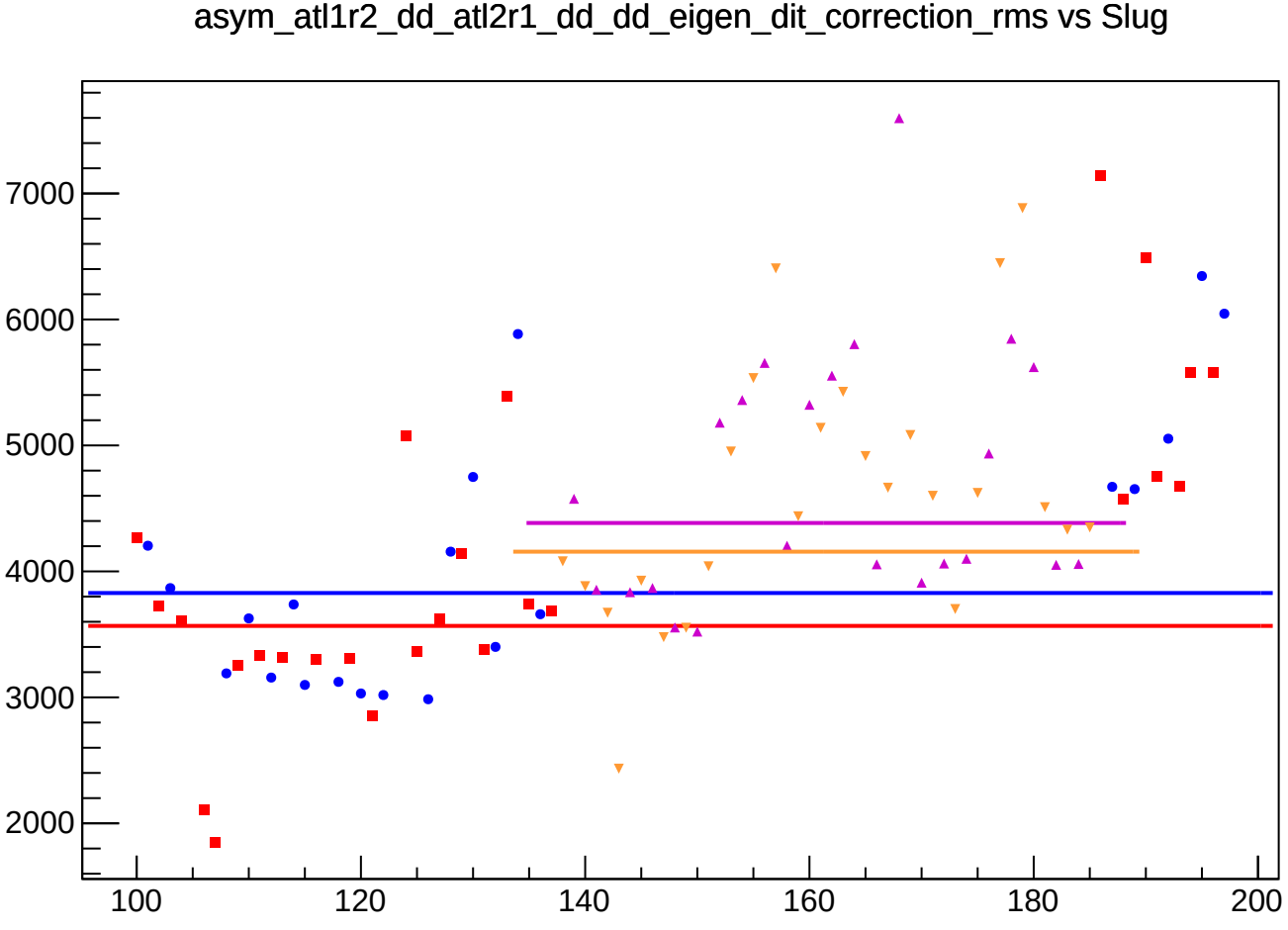
Right Out: -1191.522+/-1079.943 χ^2/NDF: 29.7/25

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 78.532+/-760.407 χ^2/NDF: 49.4/45

All: -294.628+/-534.392 χ^2/NDF: 93.8/94

- sign -658.773+/-751.166 χ^2/NDF: 43.9/48



Right In: 3828.339+/-0.856 χ^2/NDF: 1141077.9/20

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3567.219+/-0.764 χ^2/NDF: 1961465.1/25

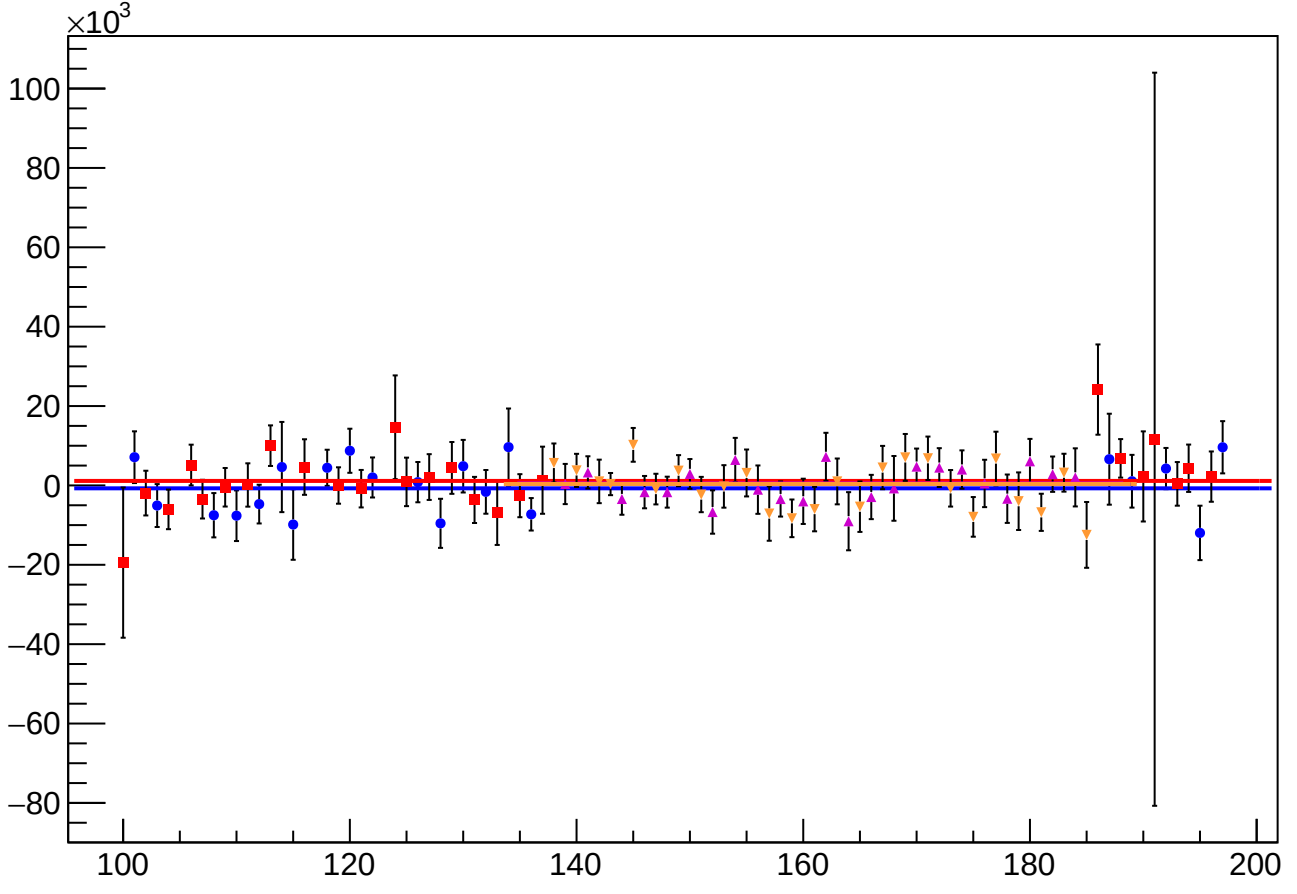
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4027.086+/-0.538 χ^2/NDF: 3310872.4/45

All: 4007.814+/-0.378 χ^2/NDF: 7121373.8/94

- sign 3989.007+/-0.531 χ^2/NDF: 3807963.0/48

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -732.996+/-1291.410 χ^2/NDF: 24.3/20

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1132.375+/-1191.597 χ^2/NDF: 18.0/25

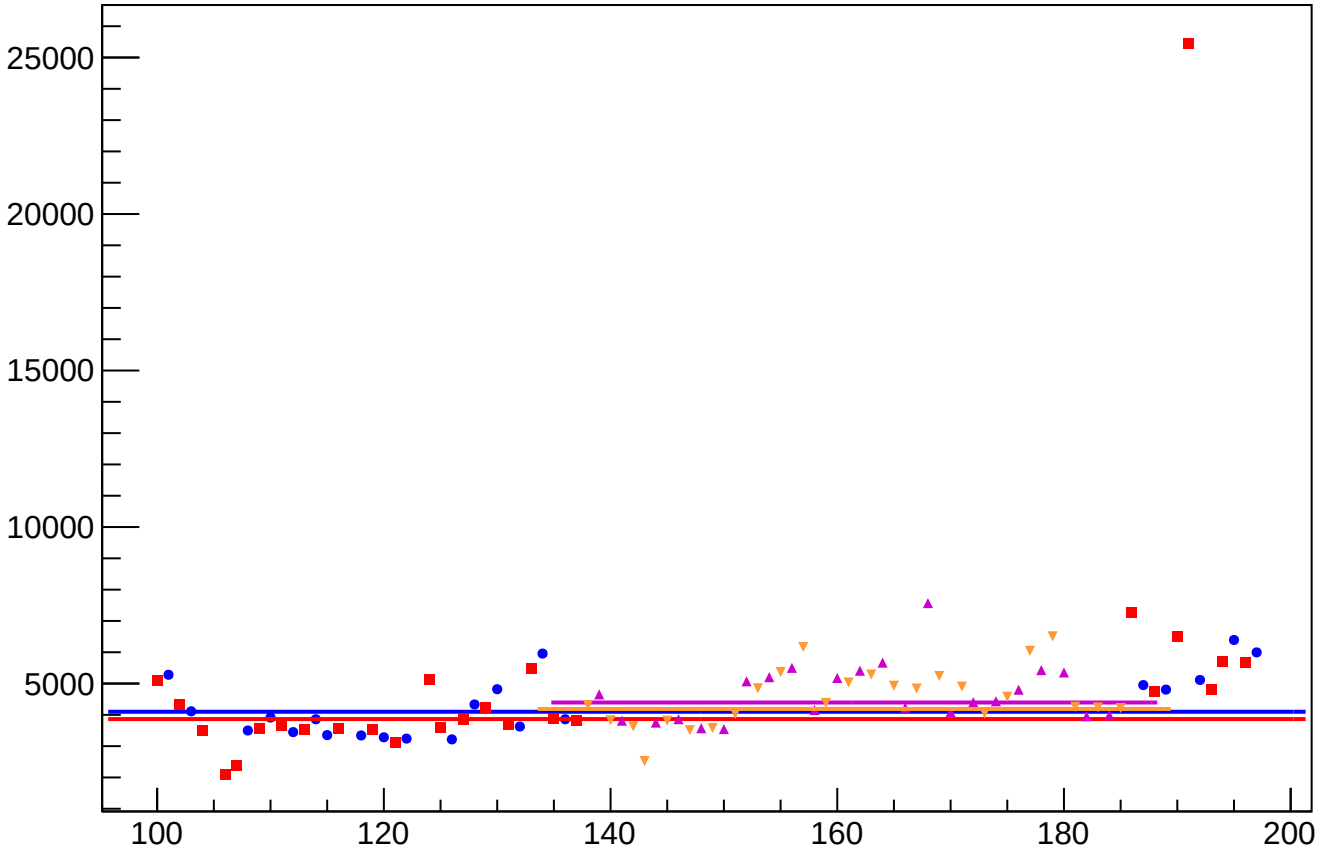
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -37.737+/-780.597 χ^2/NDF: 52.4/45

All: 365.281+/-553.708 χ^2/NDF: 84.9/94

- sign 773.428+/-785.549 χ^2/NDF: 32.0/48

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4098.868+/-0.913 χ^2/NDF: 978815.1/20

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

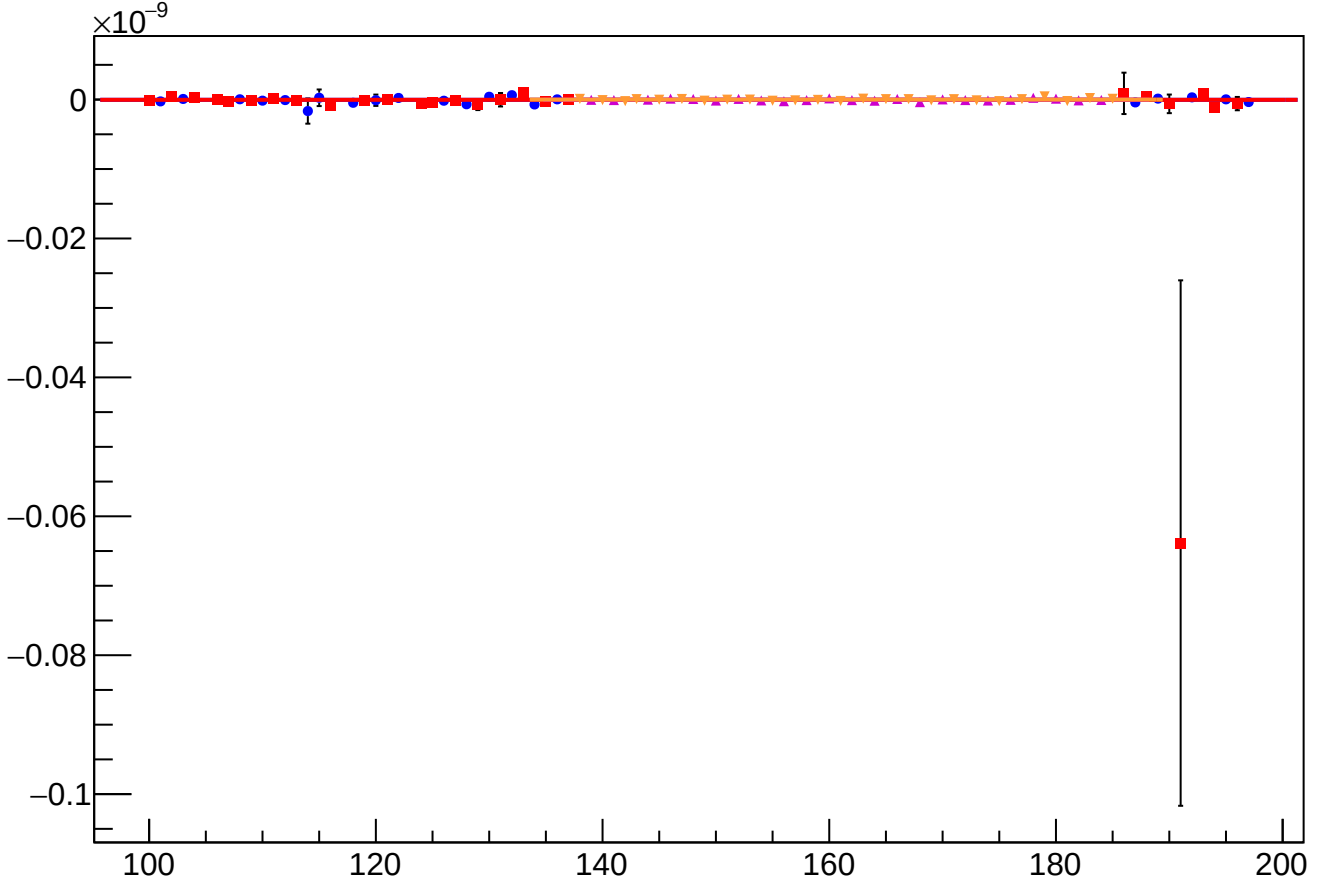
Right Out: 3864.895+/-0.833 χ^2/NDF: 1631239.7/25

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

\+ sign 4155.338+/-0.552 χ^2/NDF: 2781186.7/45

All: 4158.355+/-0.391 χ^2/NDF: 5726874.9/94

\- sign 4161.382+/-0.553 χ^2/NDF: 2945628.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

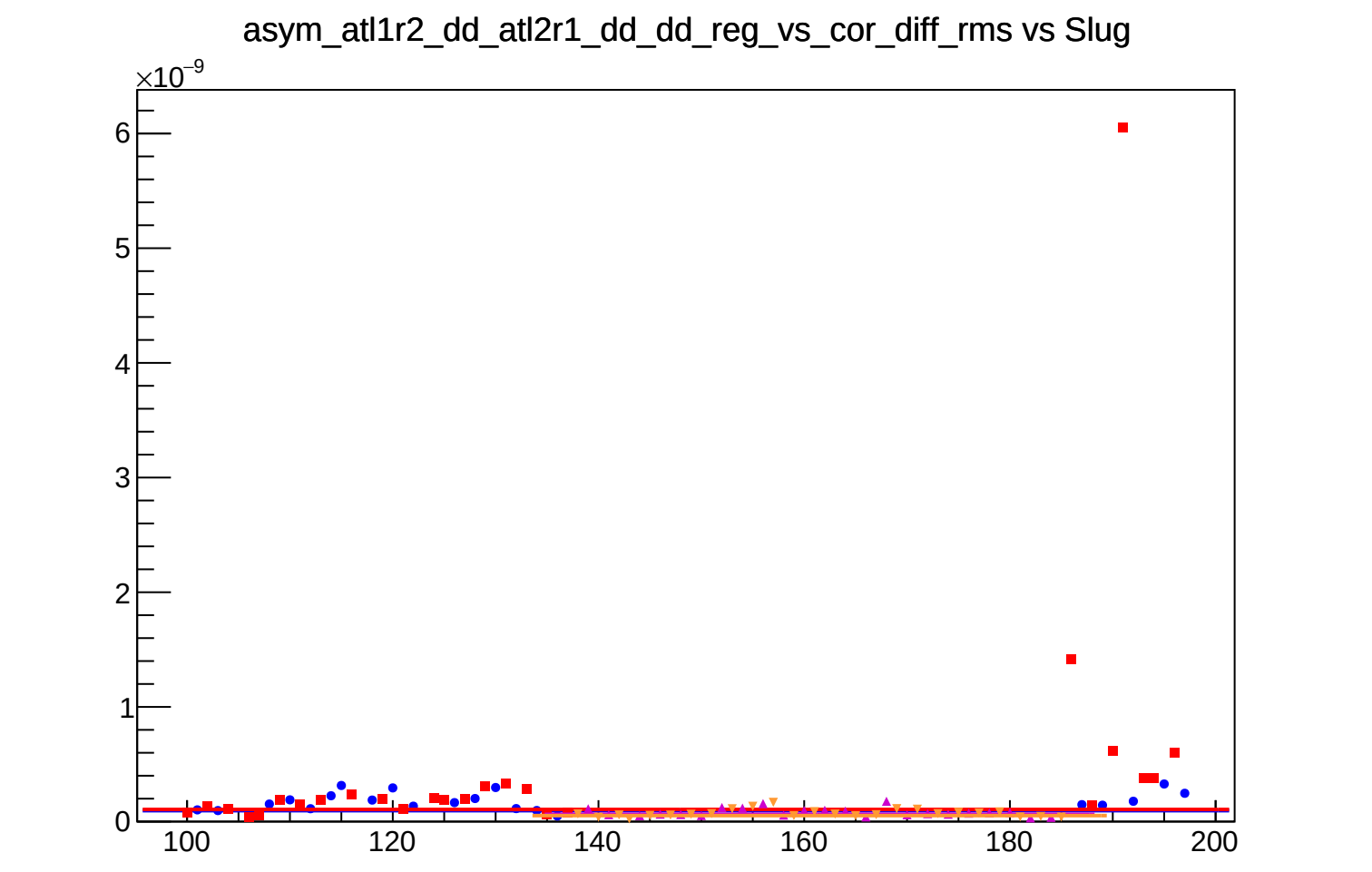
Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/25

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/45

All: -0.000+/-0.000 χ^2/NDF: 92.5/94

- sign -0.000+/-0.000 χ^2/NDF: 43.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 1968882.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

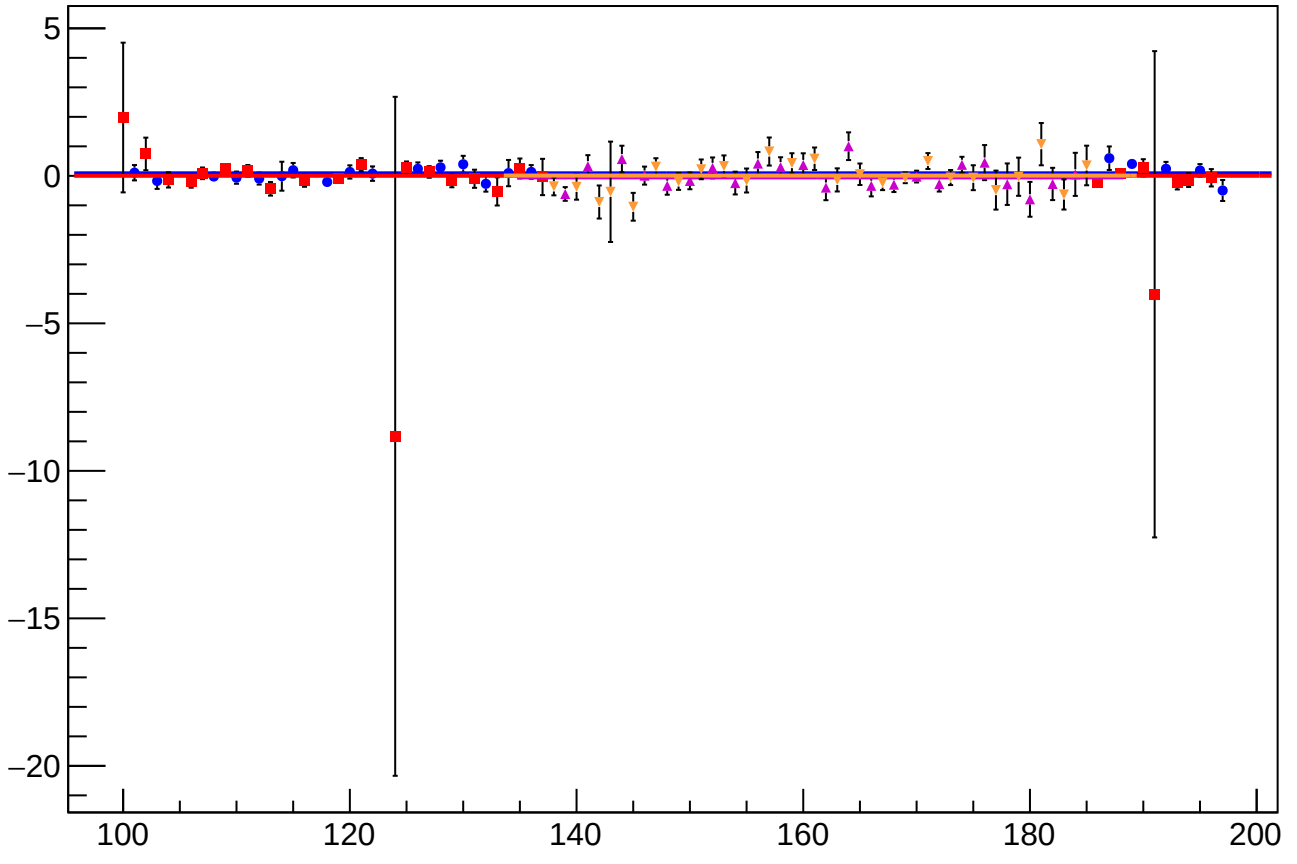
Right Out: 0.000+/-0.000 χ^2/NDF: 3757970.5/25

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5591339.8/45

All: 0.000+/-0.000 χ^2/NDF: 12206478.0/94

- sign 0.000+/-0.000 χ^2/NDF: 6345811.2/48



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

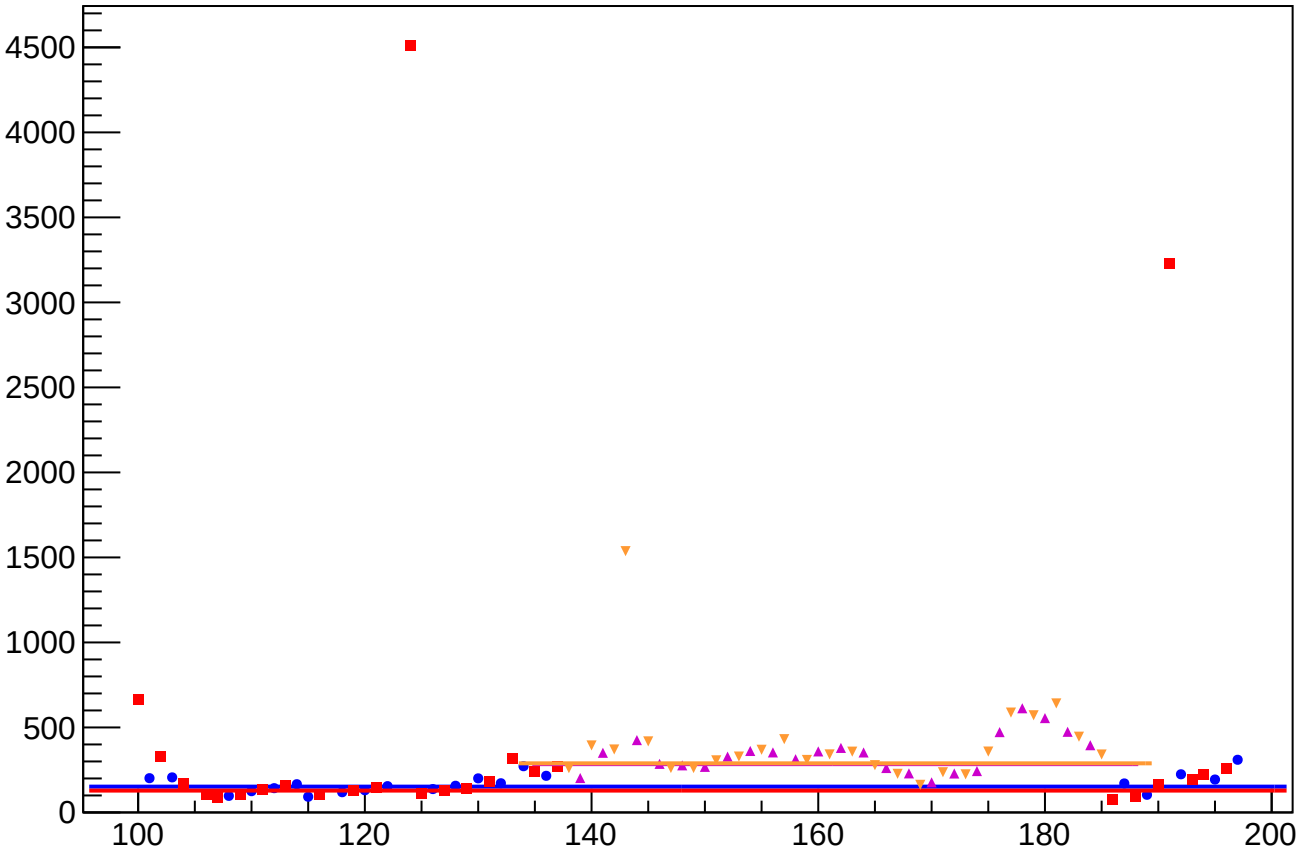
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.019+/-0.027 χ^2/NDF: 107.0/94

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

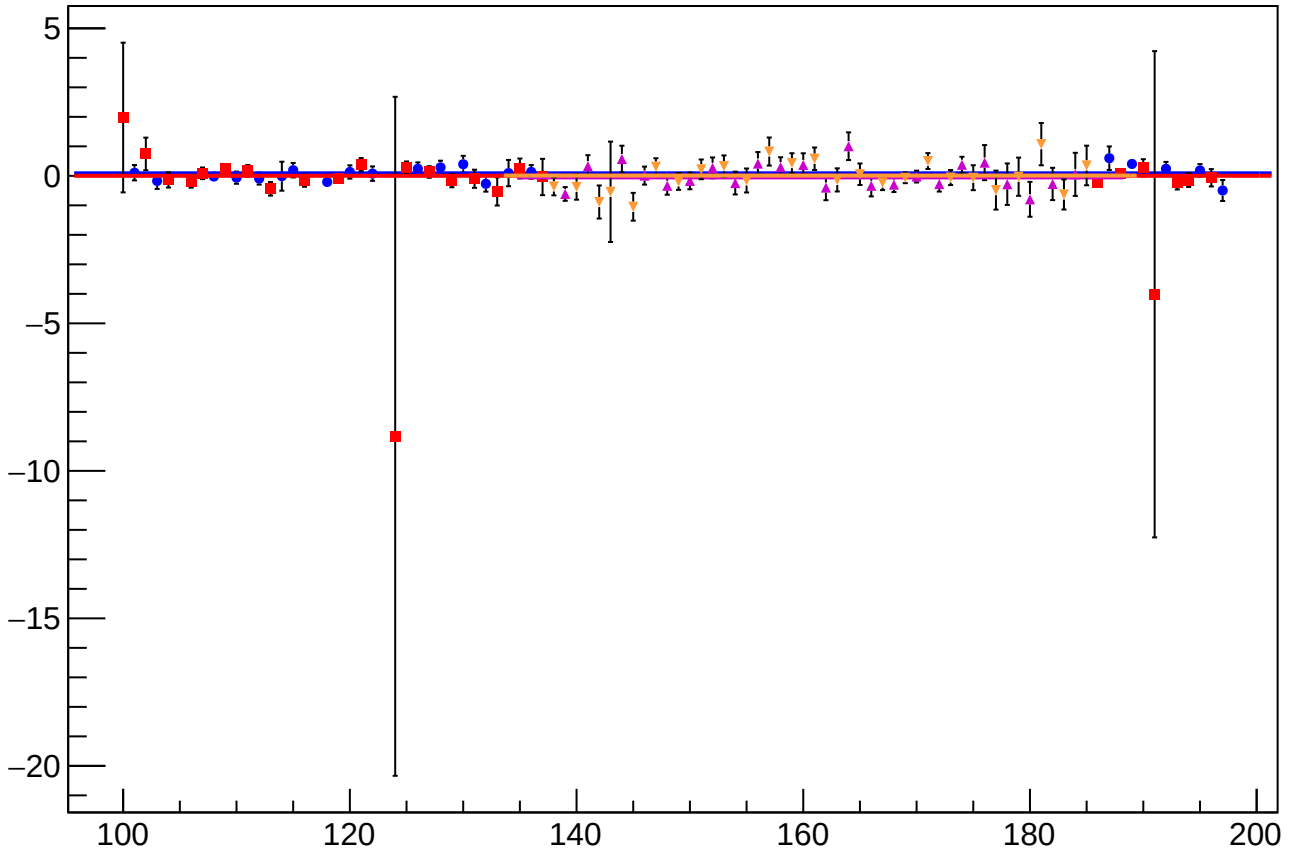
Right Out: 128.630+/-0.030 χ^2/NDF: 3443115.5/25

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.452+/-0.029 χ^2/NDF: 11501878.3/45

All: 181.980+/-0.019 χ^2/NDF: 25705603.6/94

- sign 169.857+/-0.026 χ^2/NDF: 13694488.8/48



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

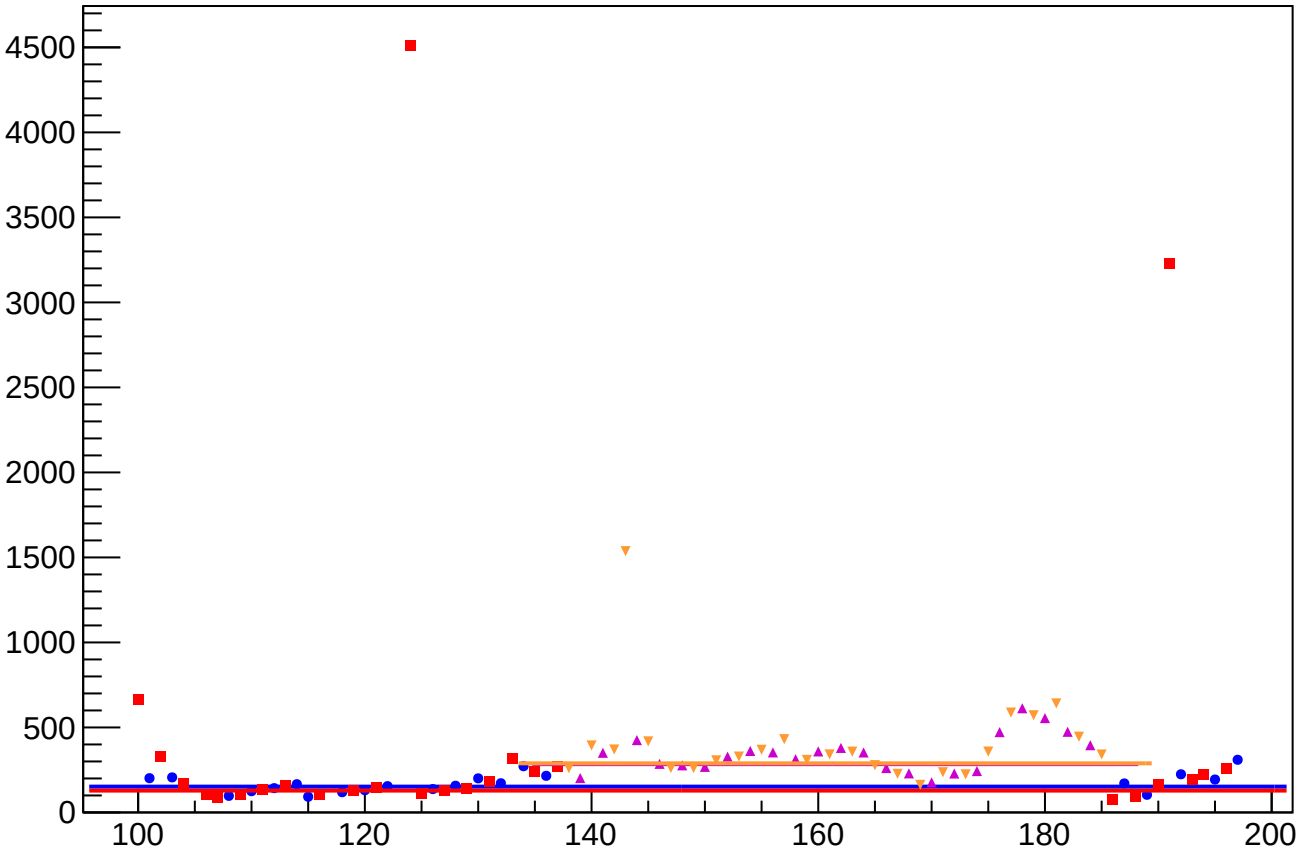
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.019+/-0.027 χ^2/NDF: 107.0/94

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 151.892+/-0.035 χ^2/NDF: 1883420.2/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

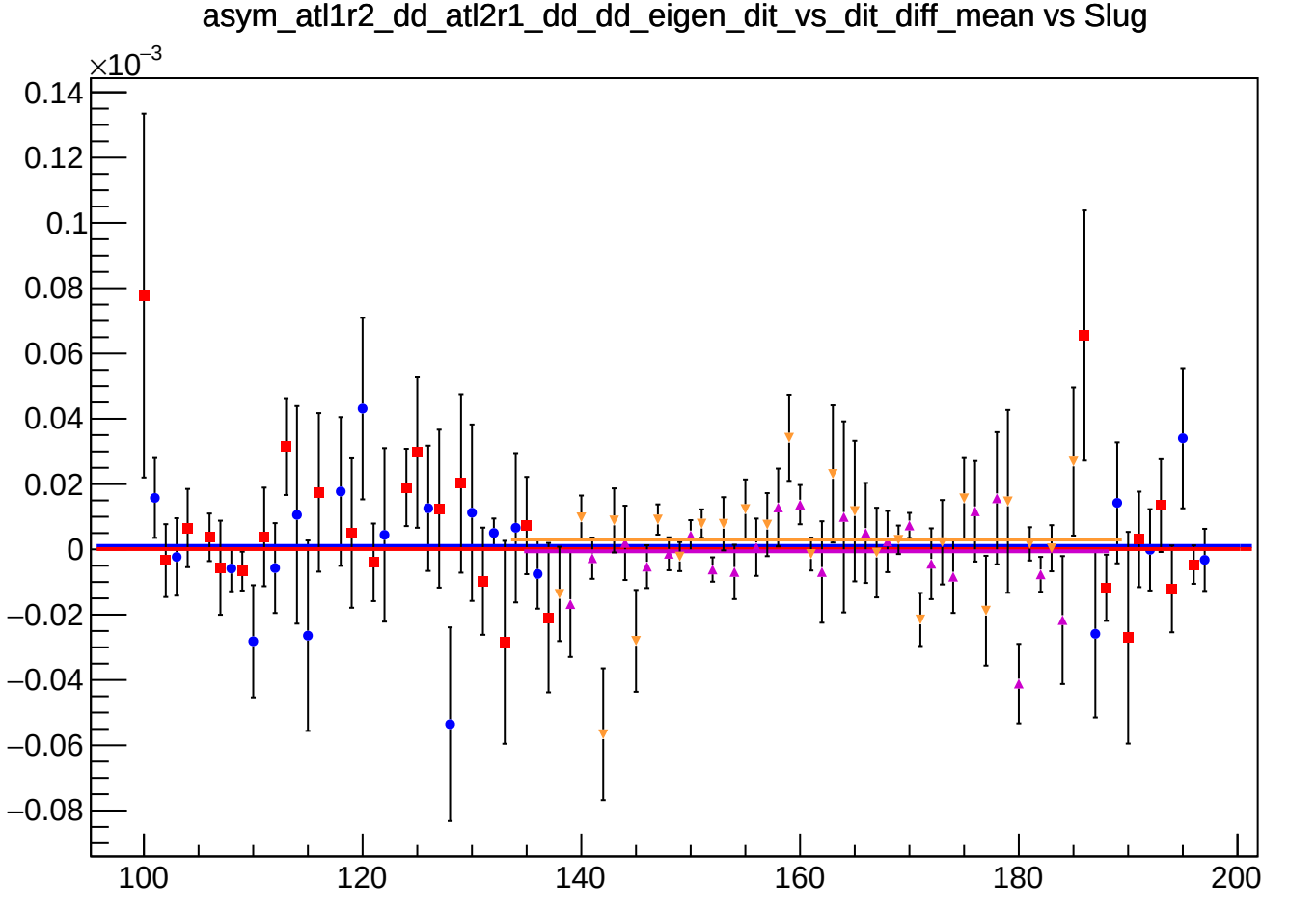
Right Out: 128.630+/-0.030 χ^2/NDF: 3443115.5/25

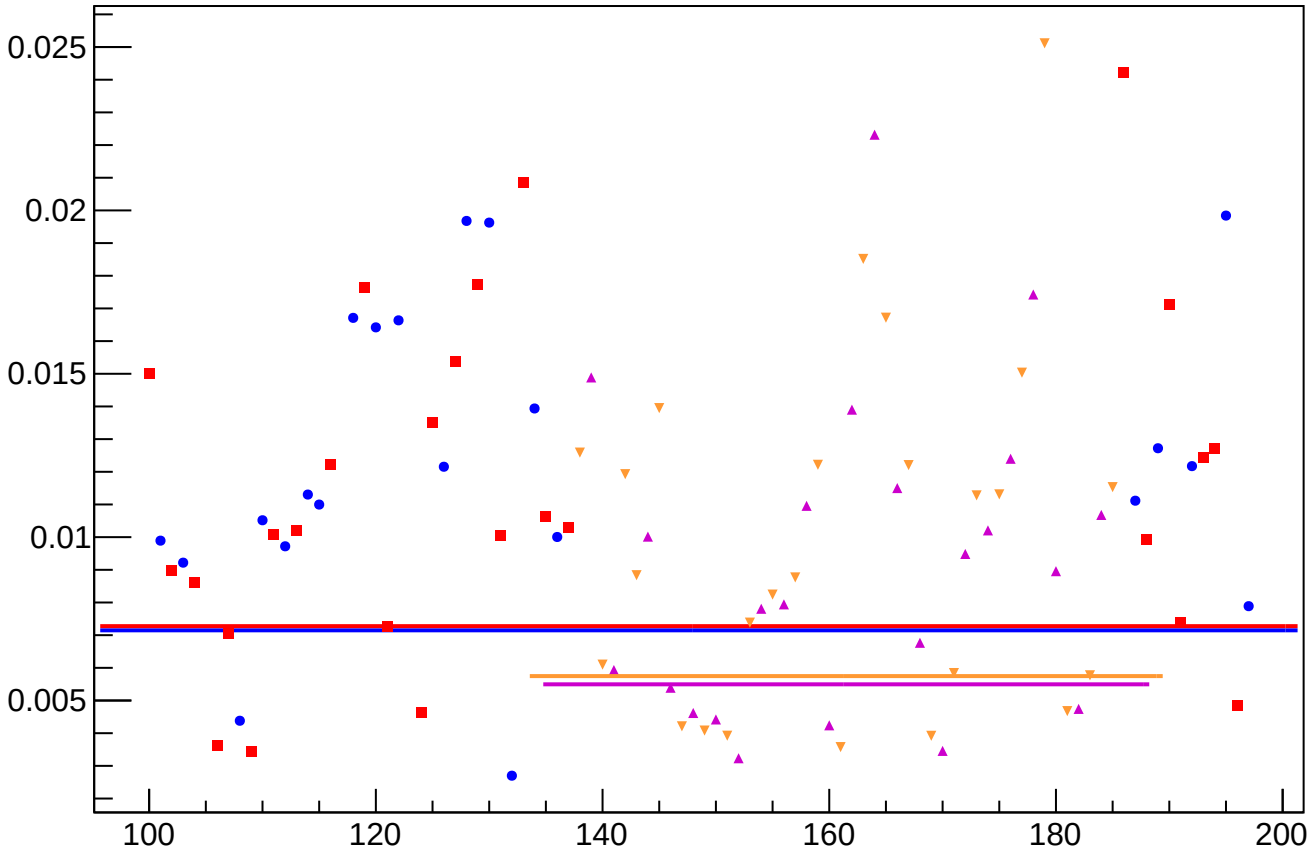
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 197.452+/-0.029 χ^2/NDF: 11501878.3/45

All: 181.980+/-0.019 χ^2/NDF: 25705603.6/94

- sign 169.857+/-0.026 χ^2/NDF: 13694488.8/48


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.0/20
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.9/25
Left In: -0.000+/-0.000 χ²/NDF:33.2/22
+ sign 0.000+/-0.000 χ²/NDF: 61.7/45
All: 0.000+/-0.000 χ²/NDF: 121.4/94
- sign -0.000+/-0.000 χ²/NDF: 57.2/48



Right In: 0.007+/-0.000 χ^2/NDF: 6044687.7/20

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

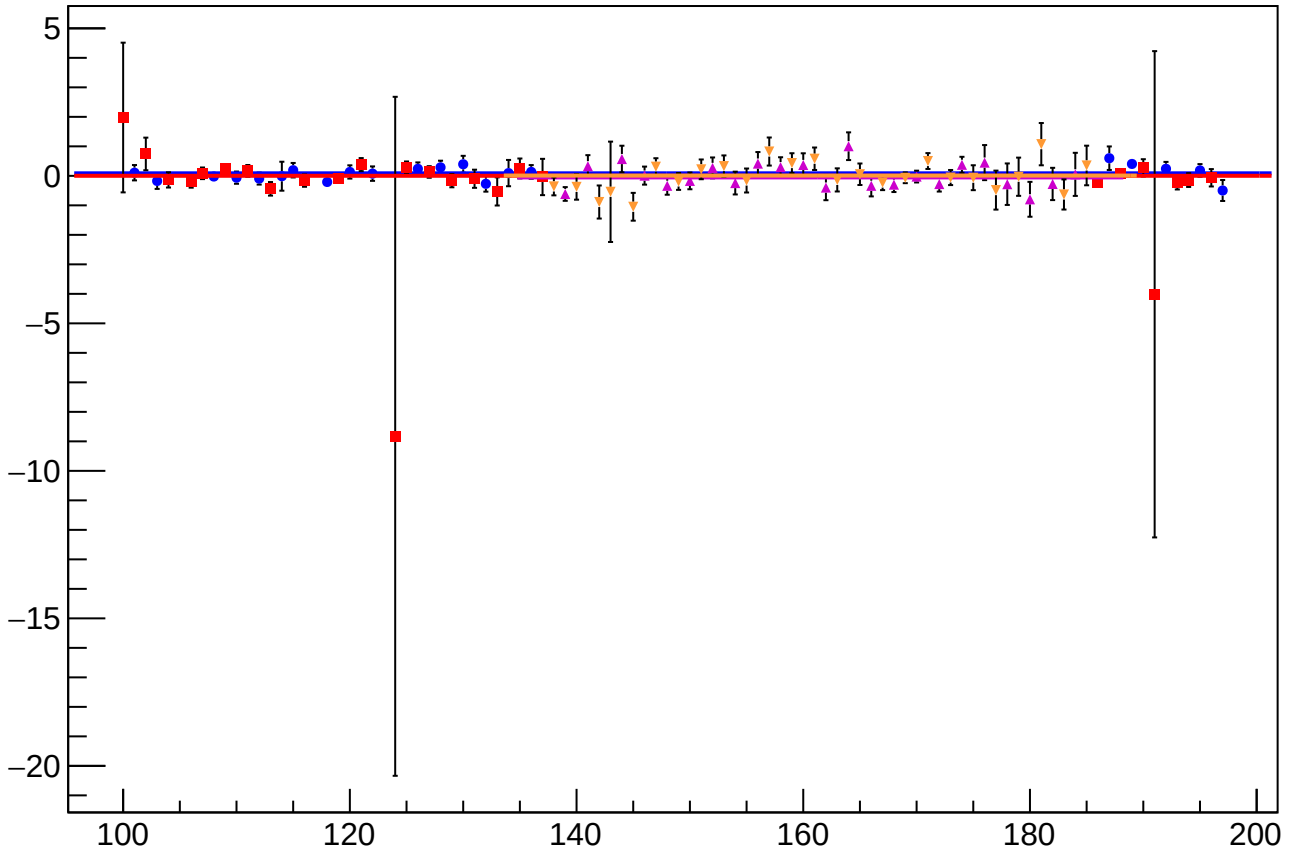
Right Out: 0.007+/-0.000 χ^2/NDF: 5084188.5/25

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14589943.1/45

All: 0.006+/-0.000 χ^2/NDF: 27378549.2/94

\- sign 0.006+/-0.000 χ^2/NDF: 12782127.8/48



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

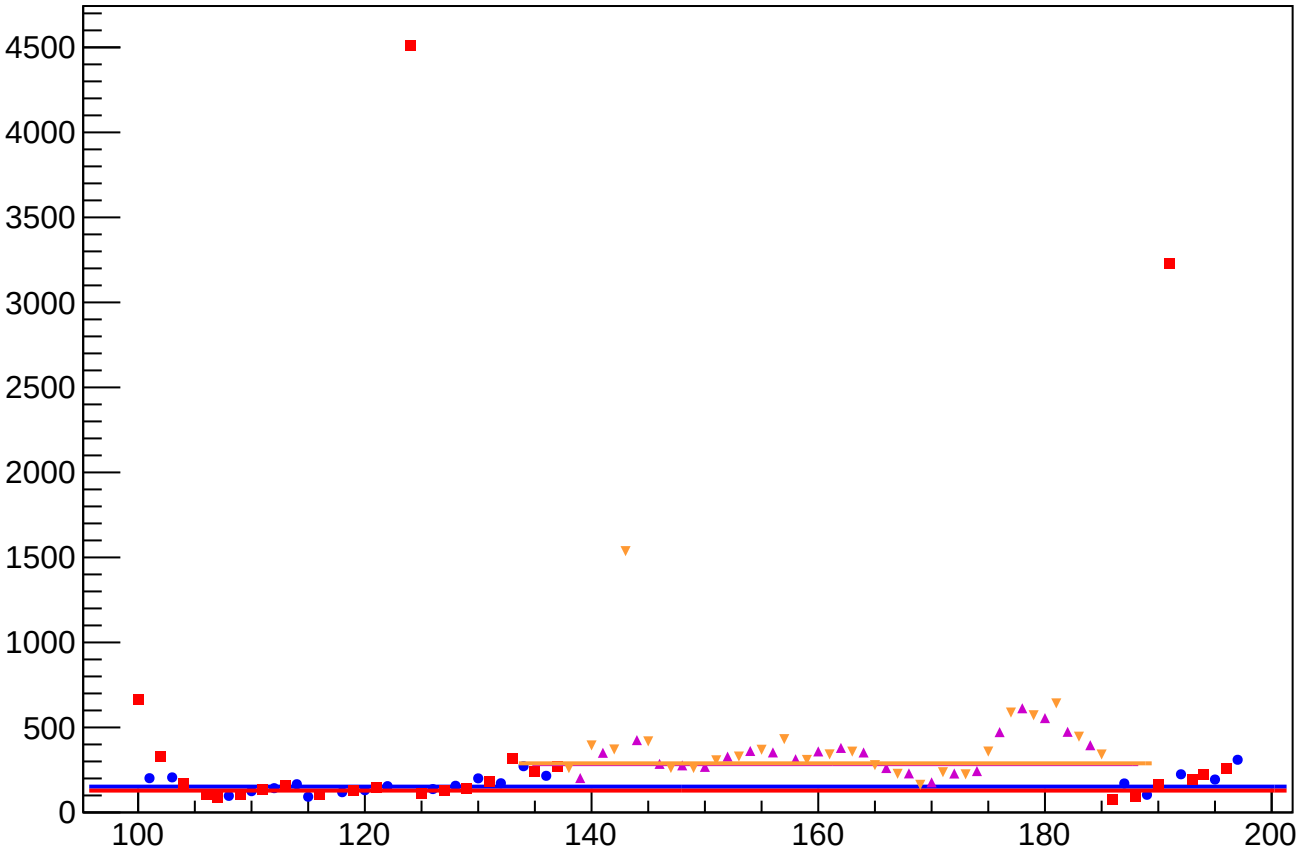
Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.019+/-0.027 χ^2/NDF: 107.0/94

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

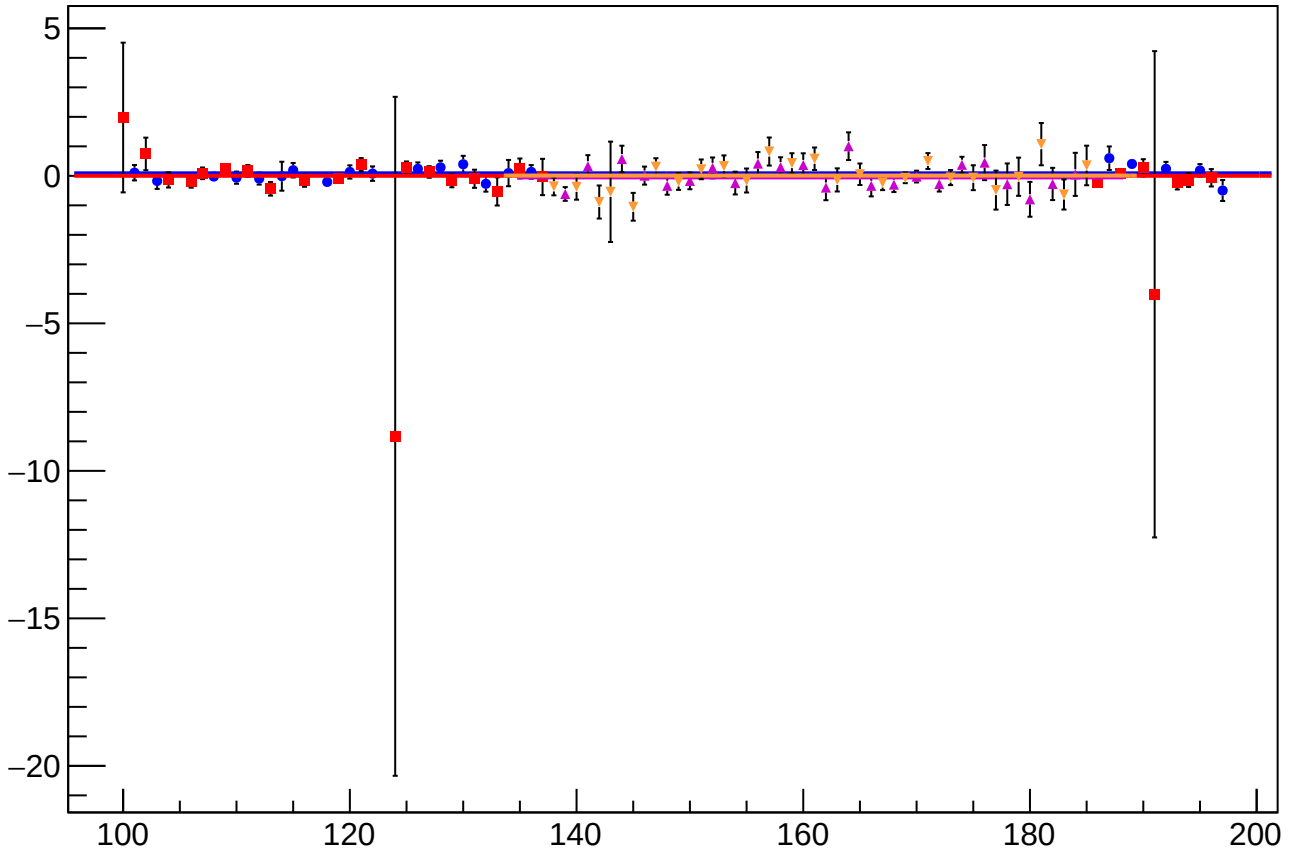
Right Out: 128.632+/-0.030 χ^2/NDF: 3442949.3/25

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.451+/-0.029 χ^2/NDF: 11502095.0/45

All: 181.980+/-0.019 χ^2/NDF: 25705535.5/94

- sign 169.859+/-0.026 χ^2/NDF: 13694301.3/48



Right In: 0.086+/-0.050 χ^2/NDF: 19.8/20

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.002+/-0.042 χ^2/NDF: 27.5/25

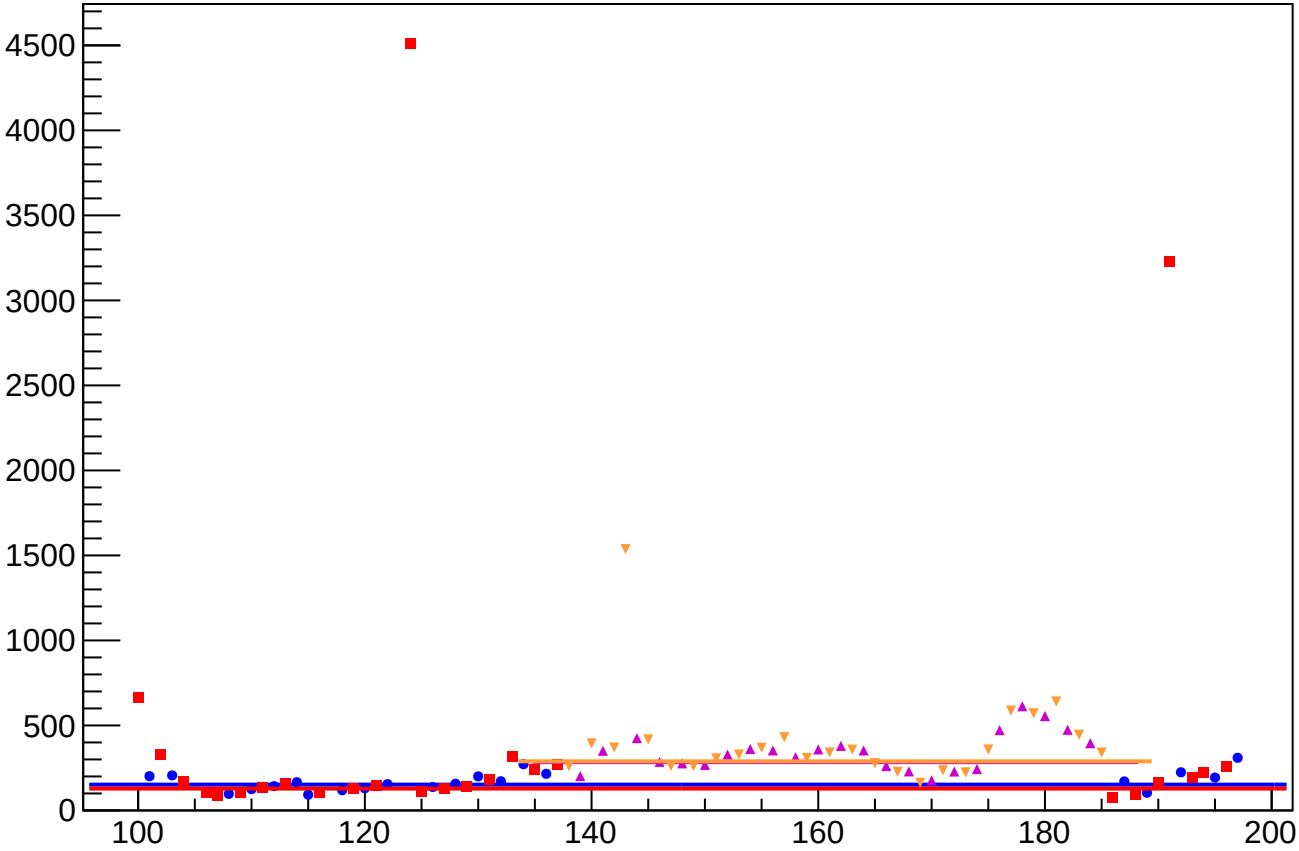
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.060+/-0.041 χ^2/NDF: 49.5/45

All: 0.019+/-0.027 χ^2/NDF: 107.0/94

- sign -0.013+/-0.036 χ^2/NDF: 55.7/48

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 151.892+/-0.035 χ^2/NDF: 1883398.8/20

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

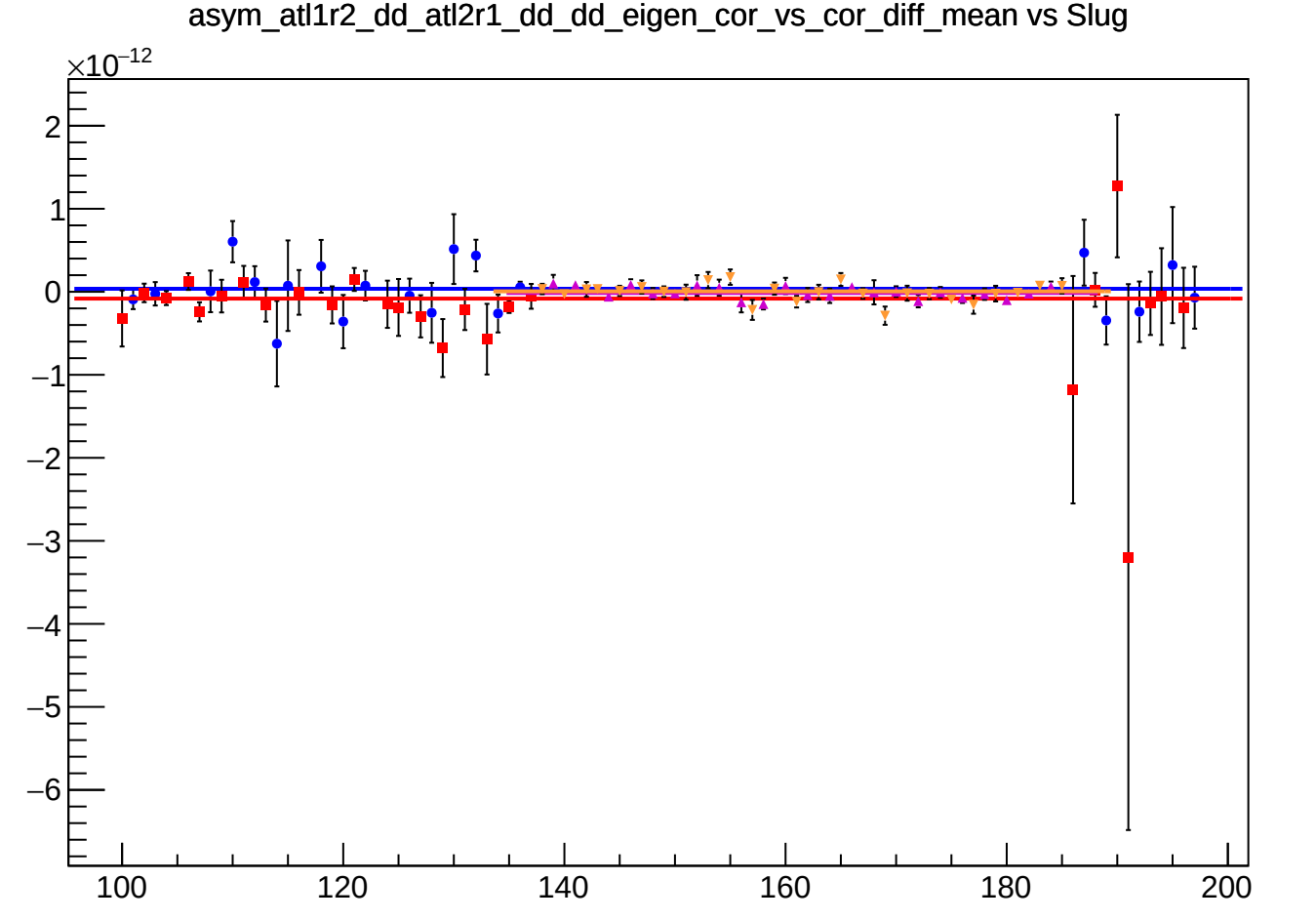
Right Out: 128.632+/-0.030 χ^2/NDF: 3442949.3/25

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 197.451+/-0.029 χ^2/NDF: 11502095.0/45

All: 181.980+/-0.019 χ^2/NDF: 25705535.5/94

- sign 169.859+/-0.026 χ^2/NDF: 13694301.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

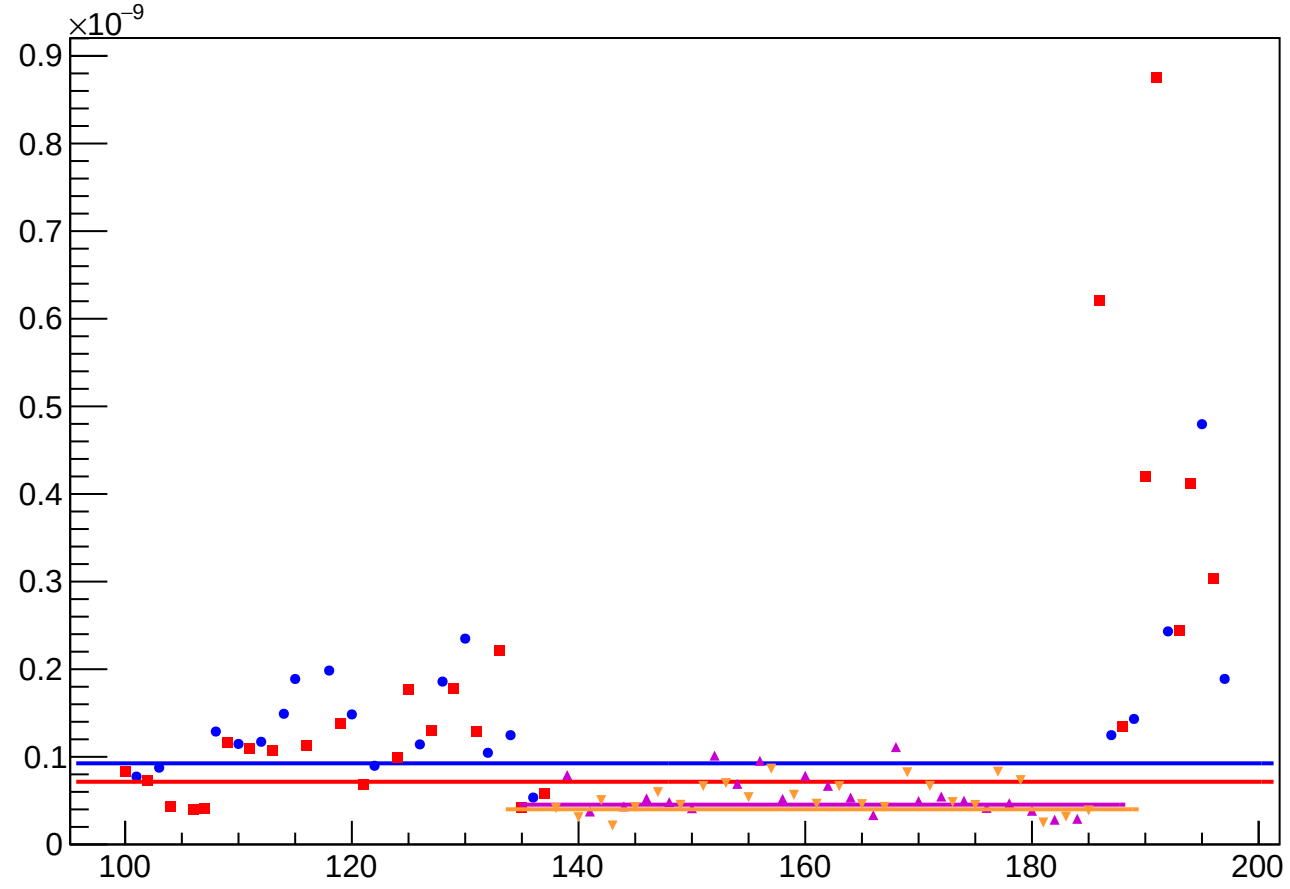
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/25

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.4/45

All: -0.000+/-0.000 χ^2/NDF: 110.2/94

- sign -0.000+/-0.000 χ^2/NDF: 49.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2771415.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4742507.3/25

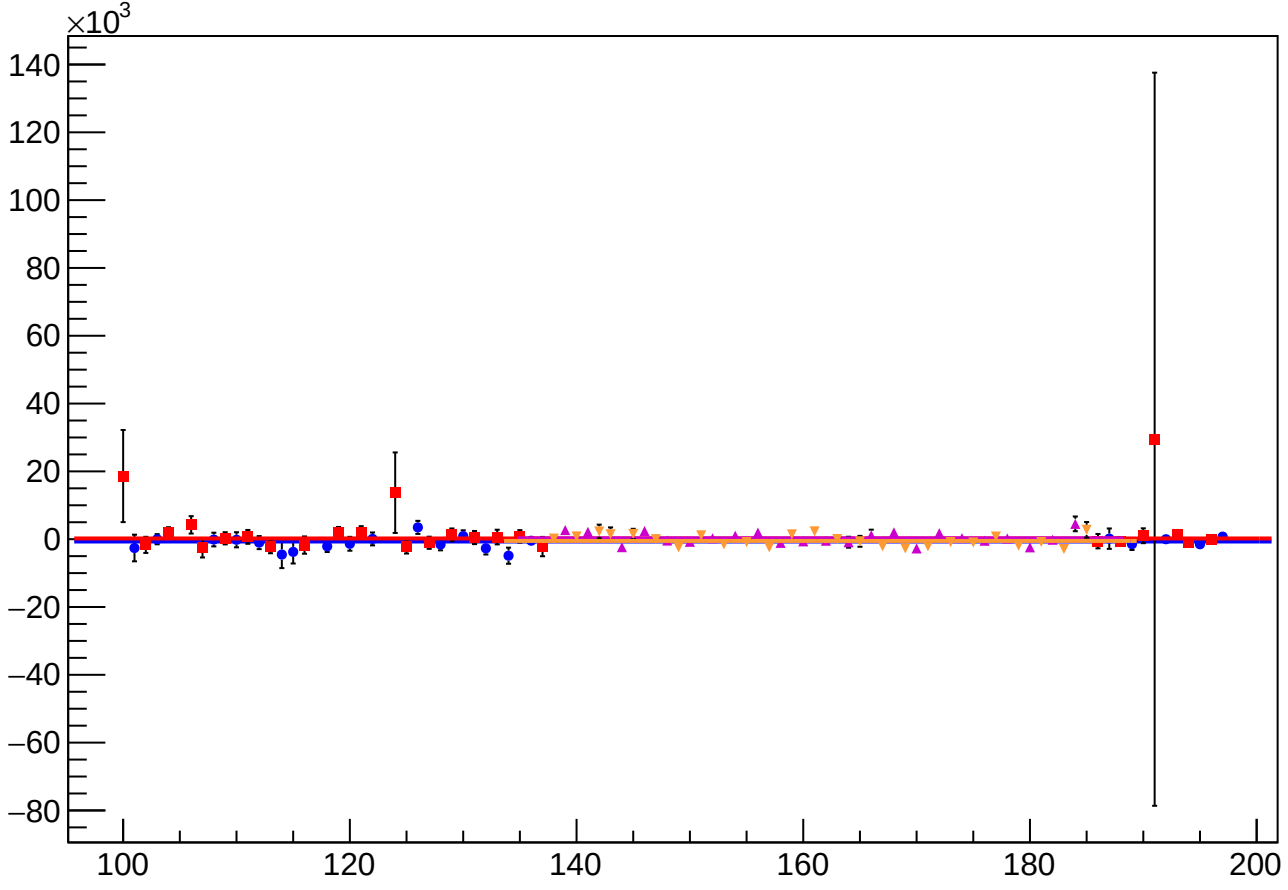
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9331289.6/45

All: 0.000+/-0.000 χ^2/NDF: 18054419.8/94

- sign 0.000+/-0.000 χ^2/NDF: 8567925.5/48

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -677.271+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 213.109+/-385.476 χ^2/NDF: 17.9/25

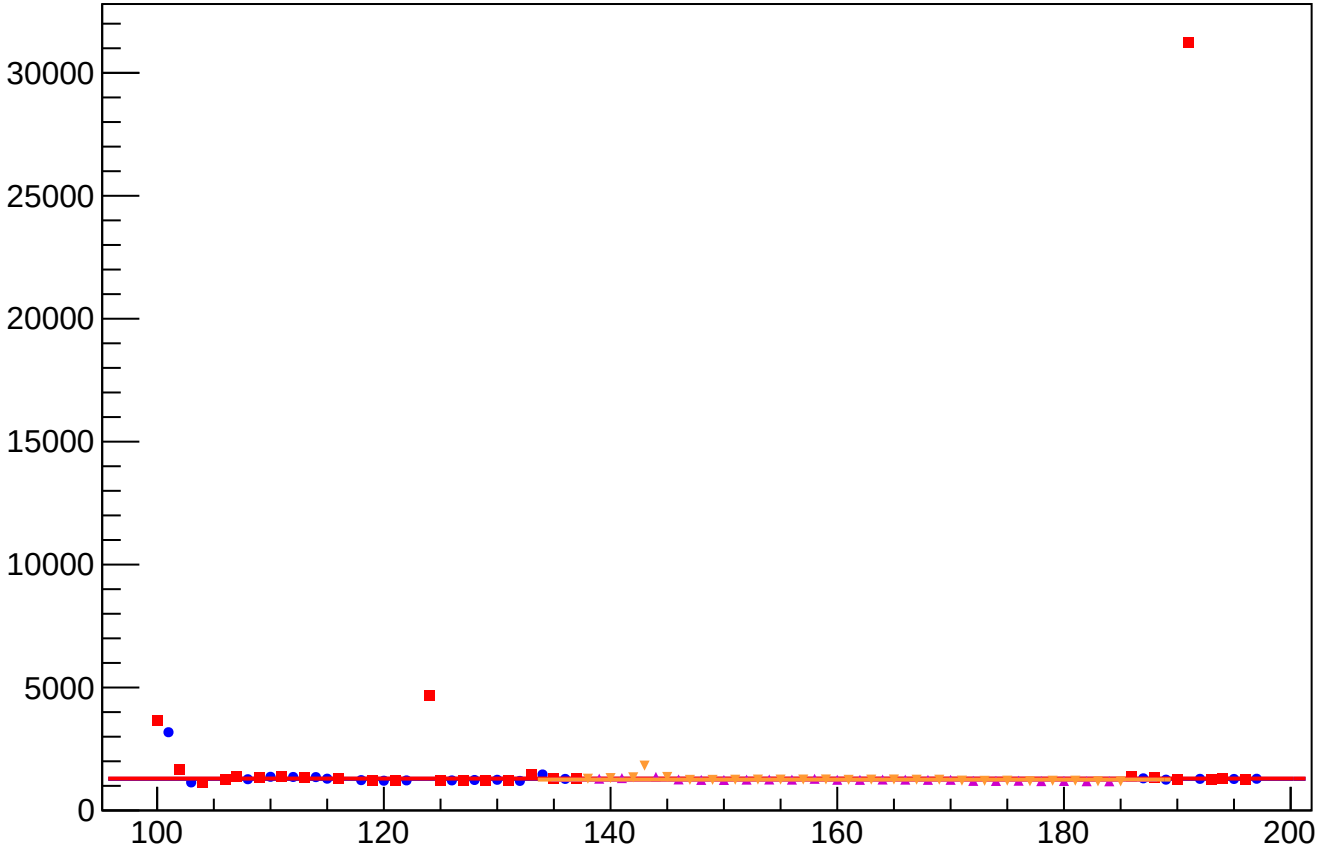
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -569.755+/-232.386 χ^2/NDF: 46.5/45

All: -168.821+/-164.304 χ^2/NDF: 102.4/94

- sign 231.941+/-232.336 χ^2/NDF: 49.9/48

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.434+/-0.282 χ^2/NDF: 518993.6/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

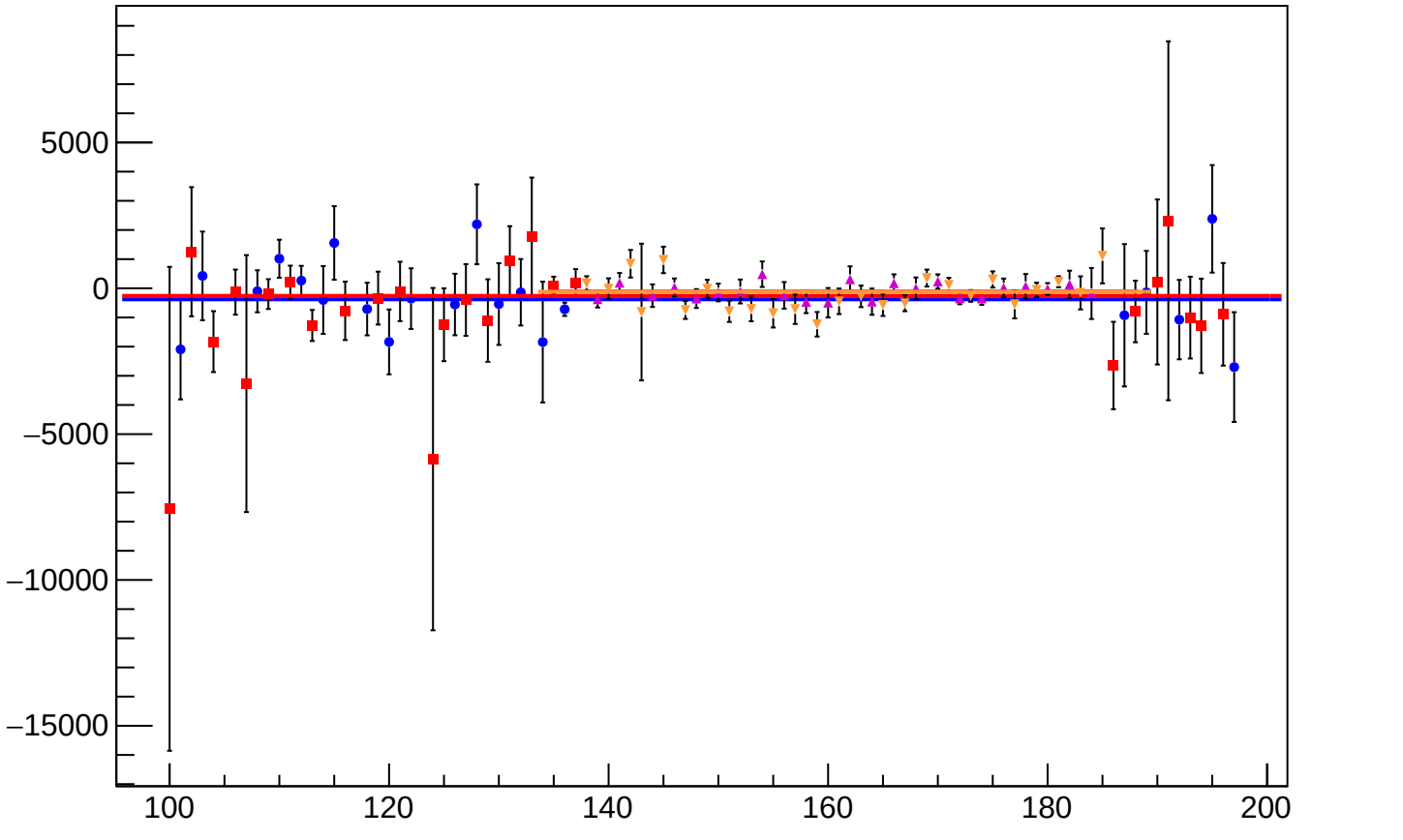
Right Out: 1297.535+/-0.273 χ^2/NDF: 489716.0/25

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.333+/-0.164 χ^2/NDF: 729063.6/45

All: 1265.140+/-0.116 χ^2/NDF: 1281088.2/94

- sign 1264.947+/-0.164 χ^2/NDF: 552021.8/48



Right In: -377.798+/-164.124 χ^2/NDF: 22.3/20

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

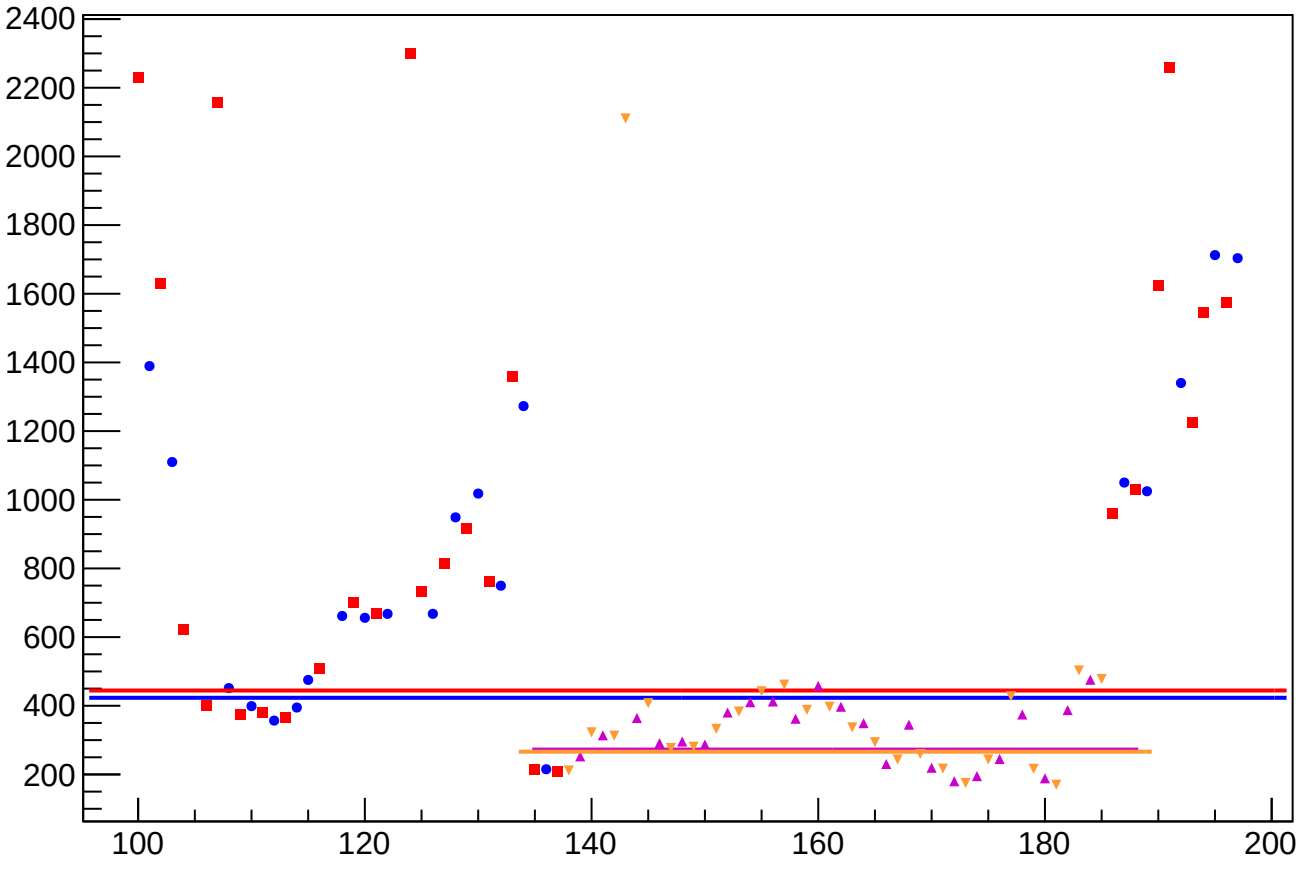
Right Out: -257.908+/-163.331 χ^2/NDF: 18.6/25

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -152.440+/-60.480 χ^2/NDF: 72.9/45

All: -141.022+/-43.289 χ^2/NDF: 106.1/94

\- sign -129.029+/-61.988 χ^2/NDF: 33.1/48



Right In: 423.254+/-0.116 χ^2/NDF: 7643446.1/20

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

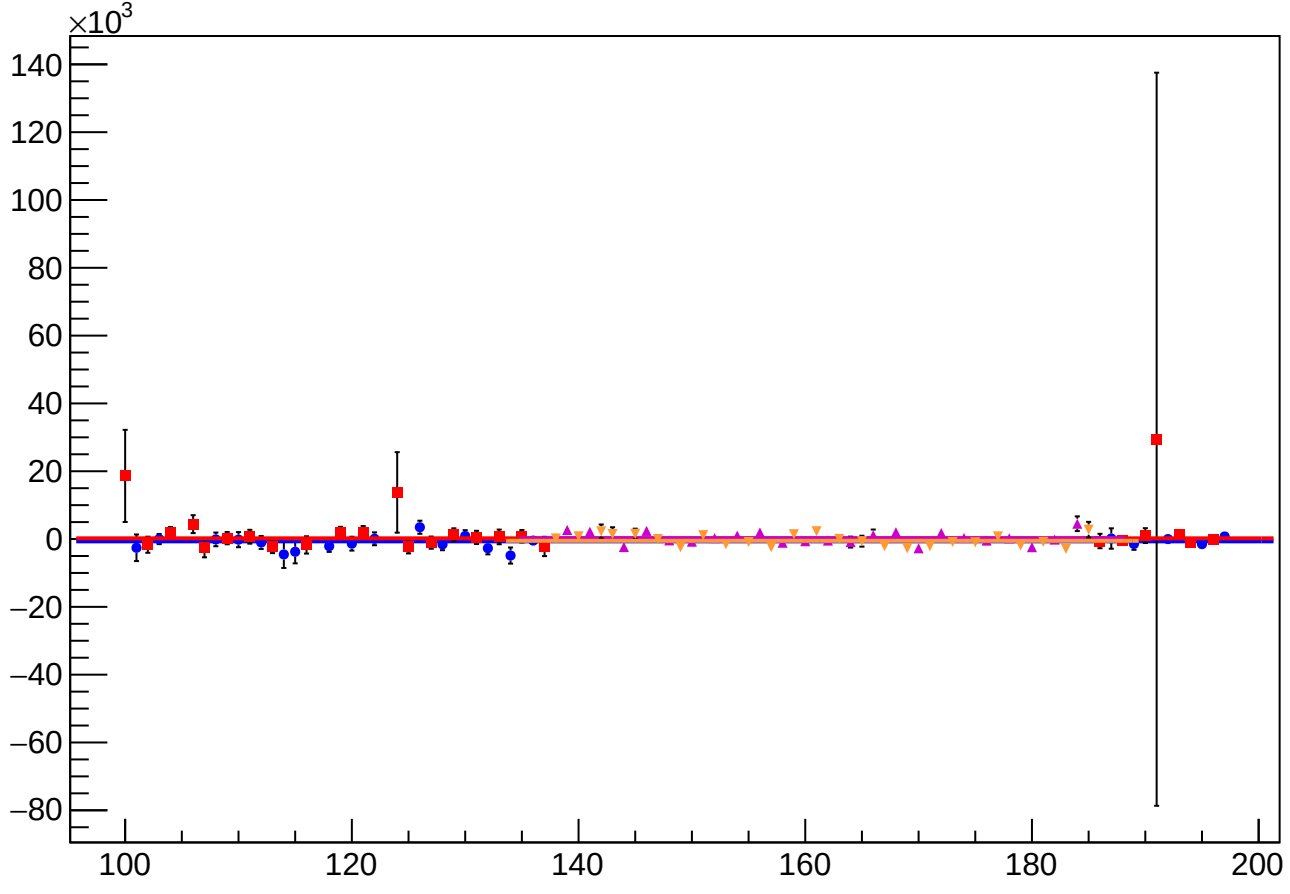
Right Out: 444.463+/-0.115 χ^2/NDF: 8063759.6/25

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 287.632+/-0.043 χ^2/NDF: 13853860.8/45

All: 292.277+/-0.031 χ^2/NDF: 26730215.9/94

- sign 297.156+/-0.044 χ^2/NDF: 12852165.5/48



Right In: -677.045+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 211.269+/-385.737 χ^2/NDF: 18.0/25

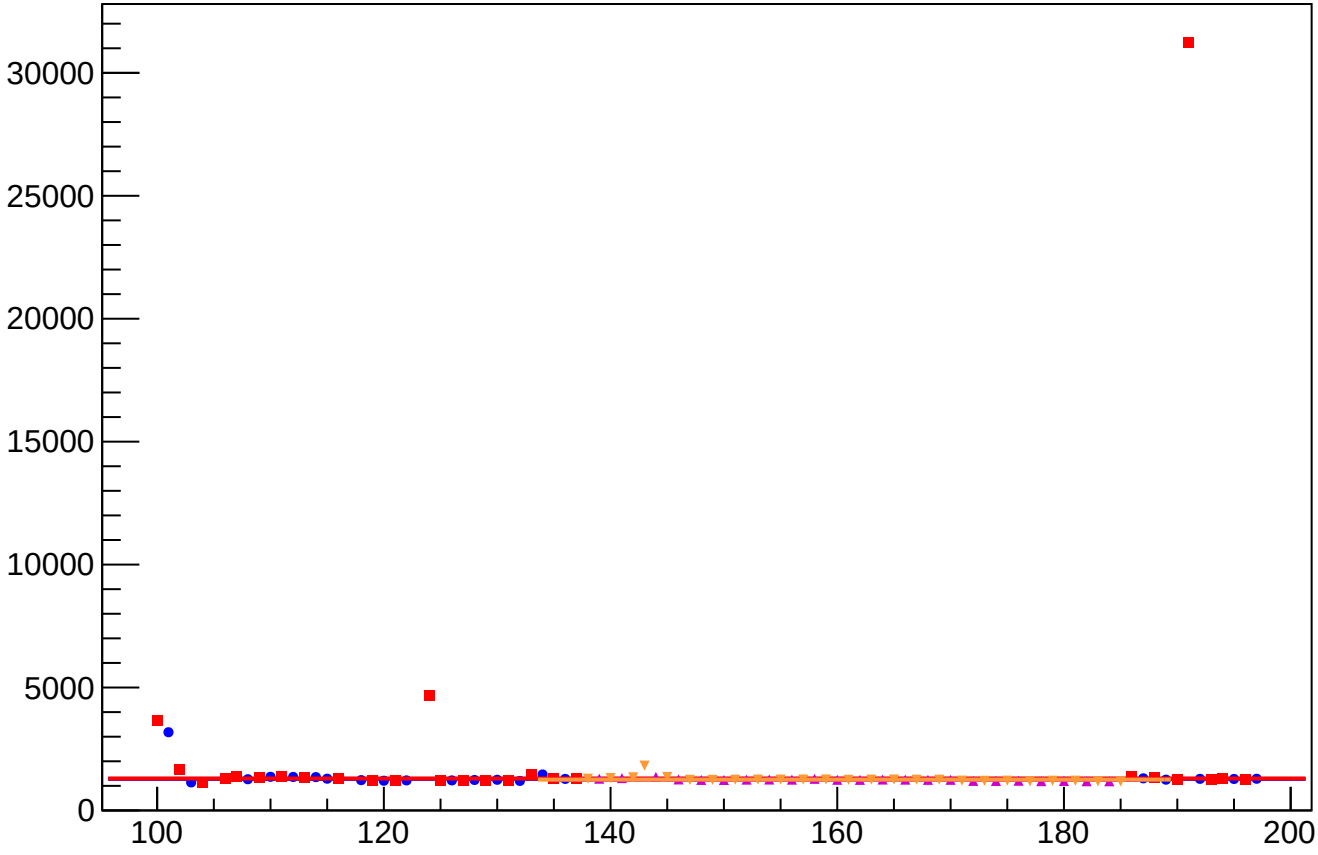
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -569.642+/-232.386 χ^2/NDF: 46.5/45

All: -169.200+/-164.324 χ^2/NDF: 102.4/94

- sign 231.268+/-232.393 χ^2/NDF: 50.0/48

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.434+/-0.282 χ^2/NDF: 518995.1/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

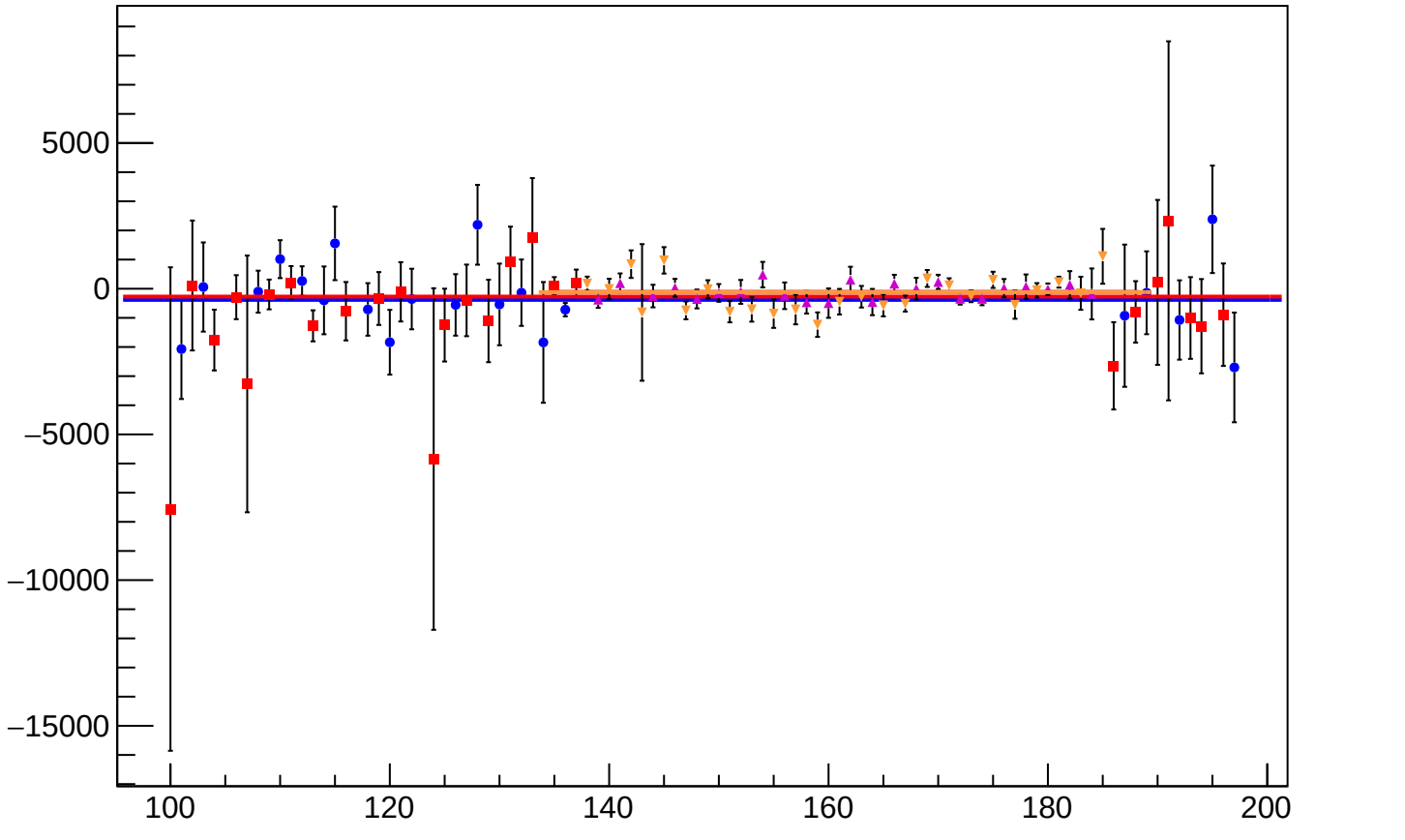
Right Out: 1298.450+/-0.273 χ^2/NDF: 489355.3/25

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.333+/-0.164 χ^2/NDF: 729065.0/45

All: 1265.298+/-0.116 χ^2/NDF: 1281515.8/94

- sign 1265.263+/-0.164 χ^2/NDF: 552450.8/48



Right In: -382.034+/-164.142 χ^2/NDF: 22.0/20

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -270.006+/-163.154 χ^2/NDF: 18.0/25

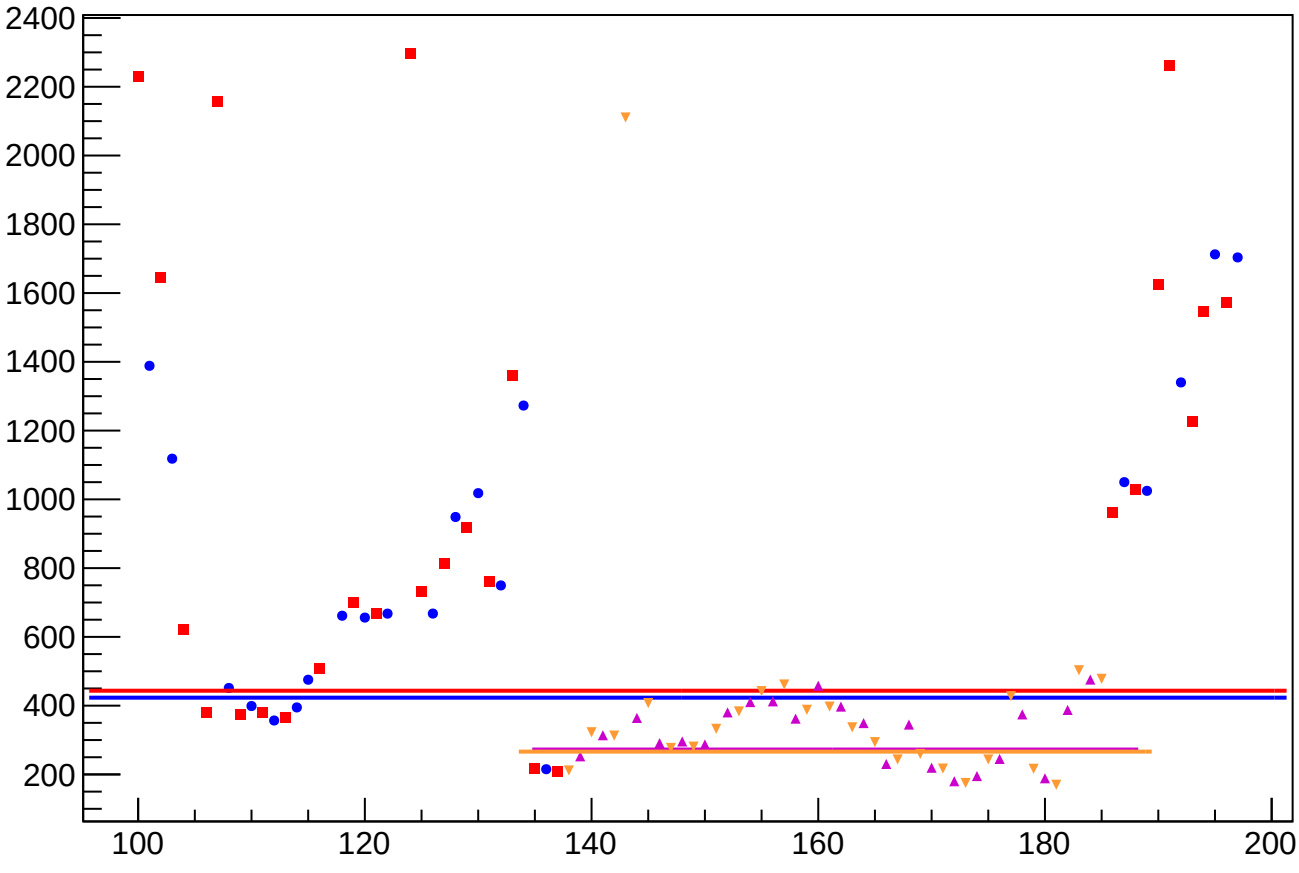
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -152.987+/-60.482 χ^2/NDF: 72.7/45

All: -142.221+/-43.287 χ^2/NDF: 105.4/94

- sign -130.917+/-61.980 χ^2/NDF: 32.6/48

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 423.256+/-0.116 χ^2/NDF: 7646616.4/20

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

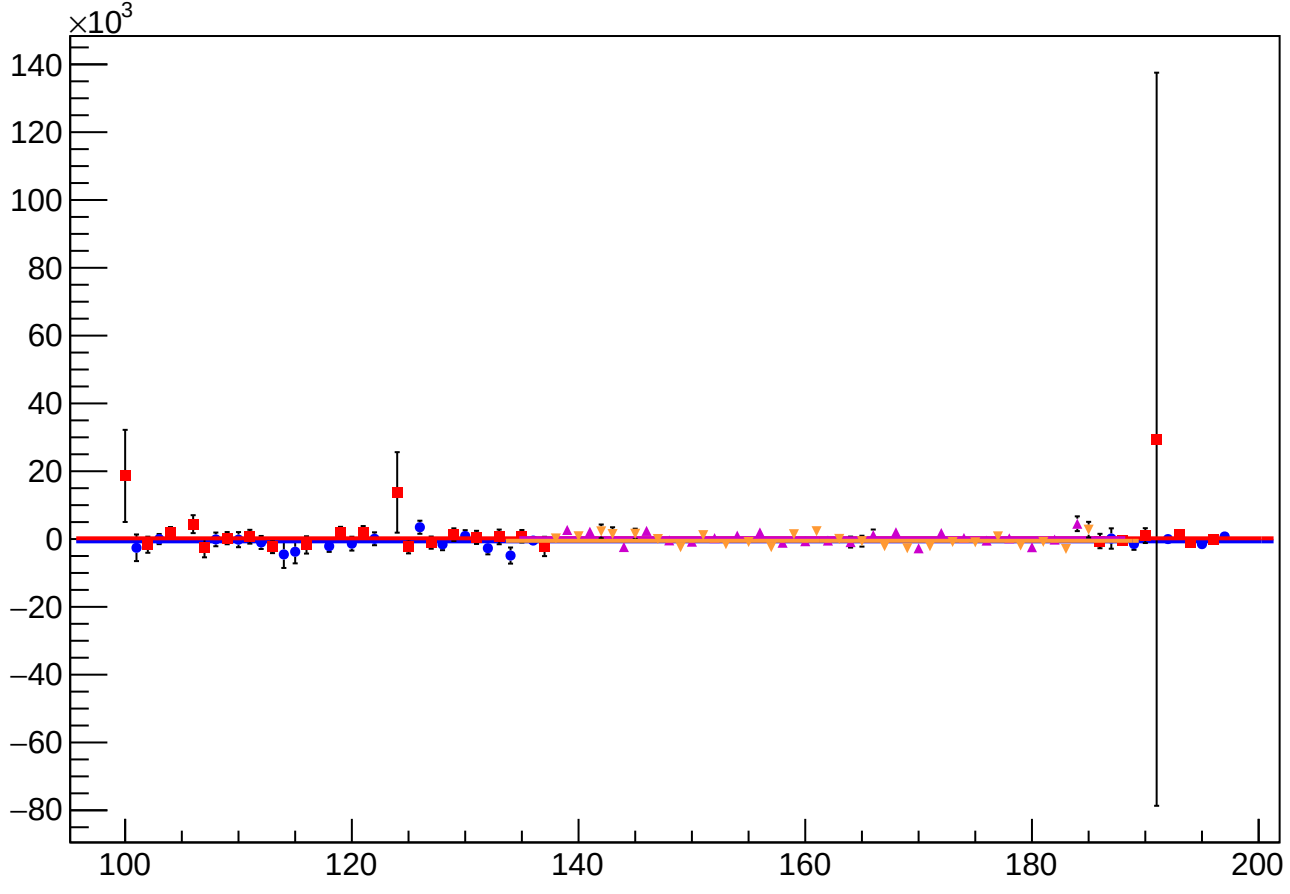
Right Out: 443.459+/-0.115 χ^2/NDF: 8078000.3/25

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 287.634+/-0.043 χ^2/NDF: 13856682.1/45

All: 292.235+/-0.031 χ^2/NDF: 26727736.2/94

- sign 297.067+/-0.044 χ^2/NDF: 12847322.9/48



Right In: -677.045+/-398.816 χ^2/NDF: 15.4/20

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 211.269+/-385.737 χ^2/NDF: 18.0/25

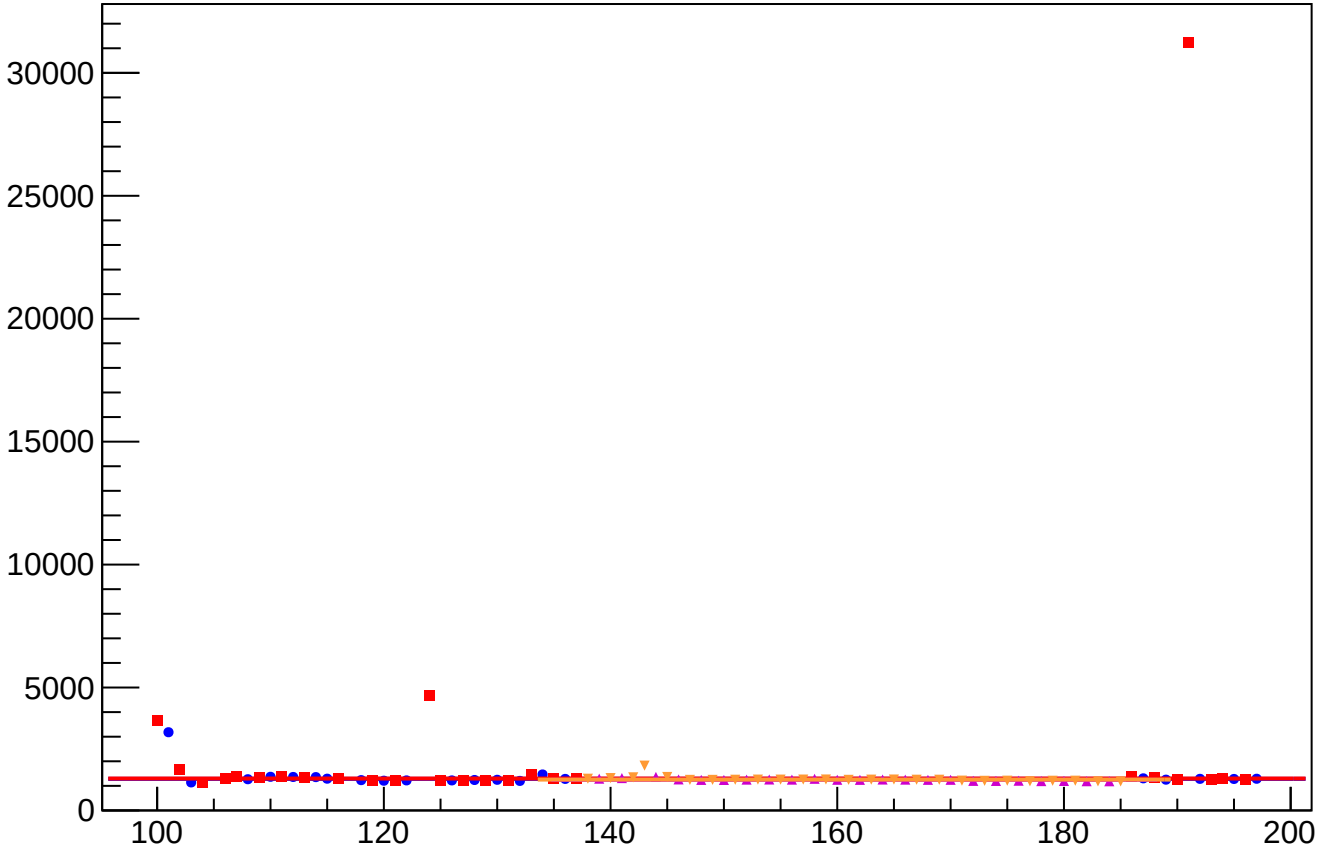
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -569.642+/-232.386 χ^2/NDF: 46.5/45

All: -169.200+/-164.324 χ^2/NDF: 102.4/94

- sign 231.268+/-232.393 χ^2/NDF: 50.0/48

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.434+/-0.282 χ^2/NDF: 518995.1/20

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

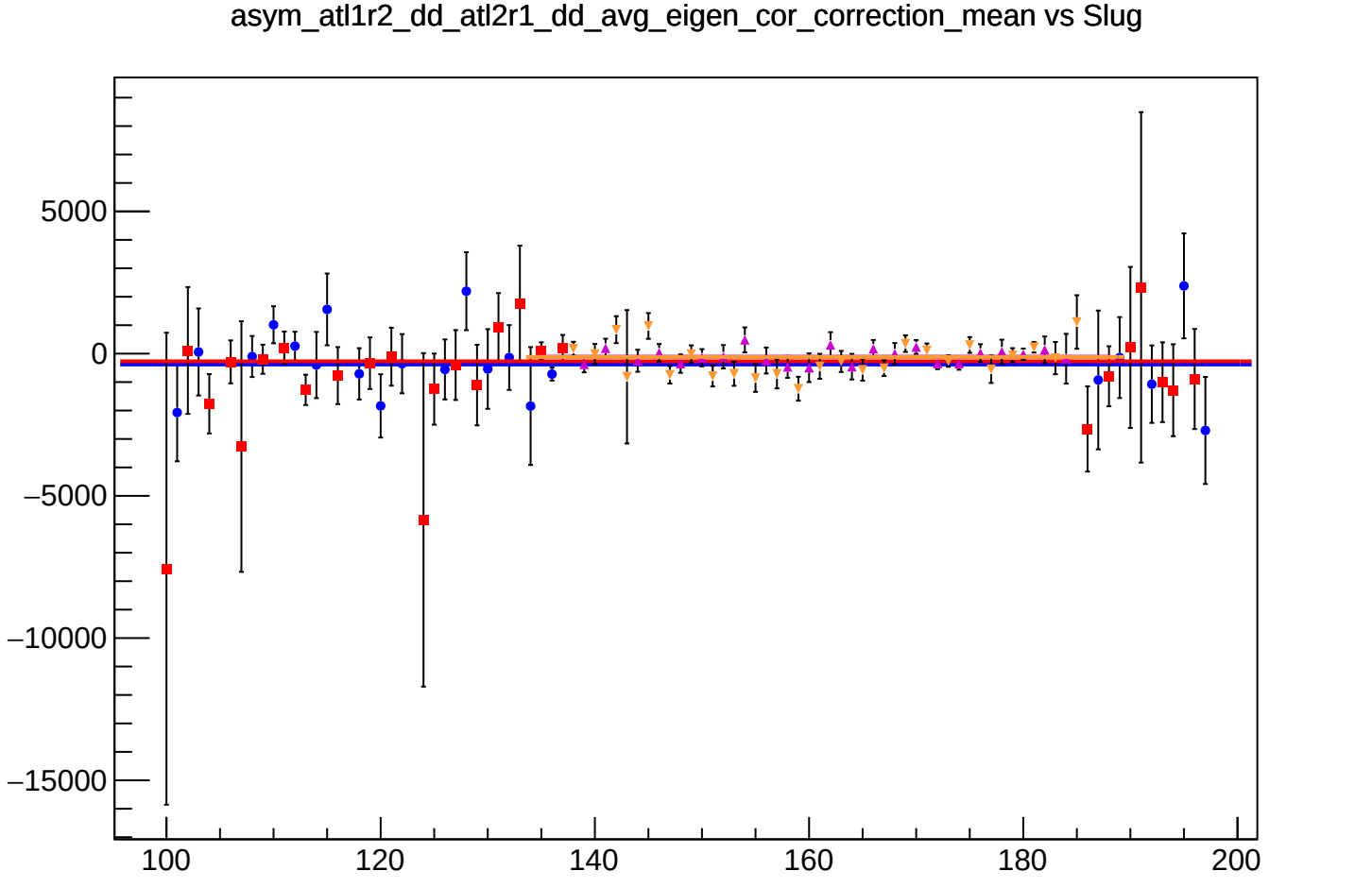
Right Out: 1298.450+/-0.273 χ^2/NDF: 489355.3/25

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1265.333+/-0.164 χ^2/NDF: 729065.0/45

All: 1265.298+/-0.116 χ^2/NDF: 1281515.8/94

- sign 1265.263+/-0.164 χ^2/NDF: 552450.8/48



Right In: -382.034+/-164.142 χ^2/NDF: 22.0/20

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -270.006+/-163.154 χ^2/NDF: 18.0/25

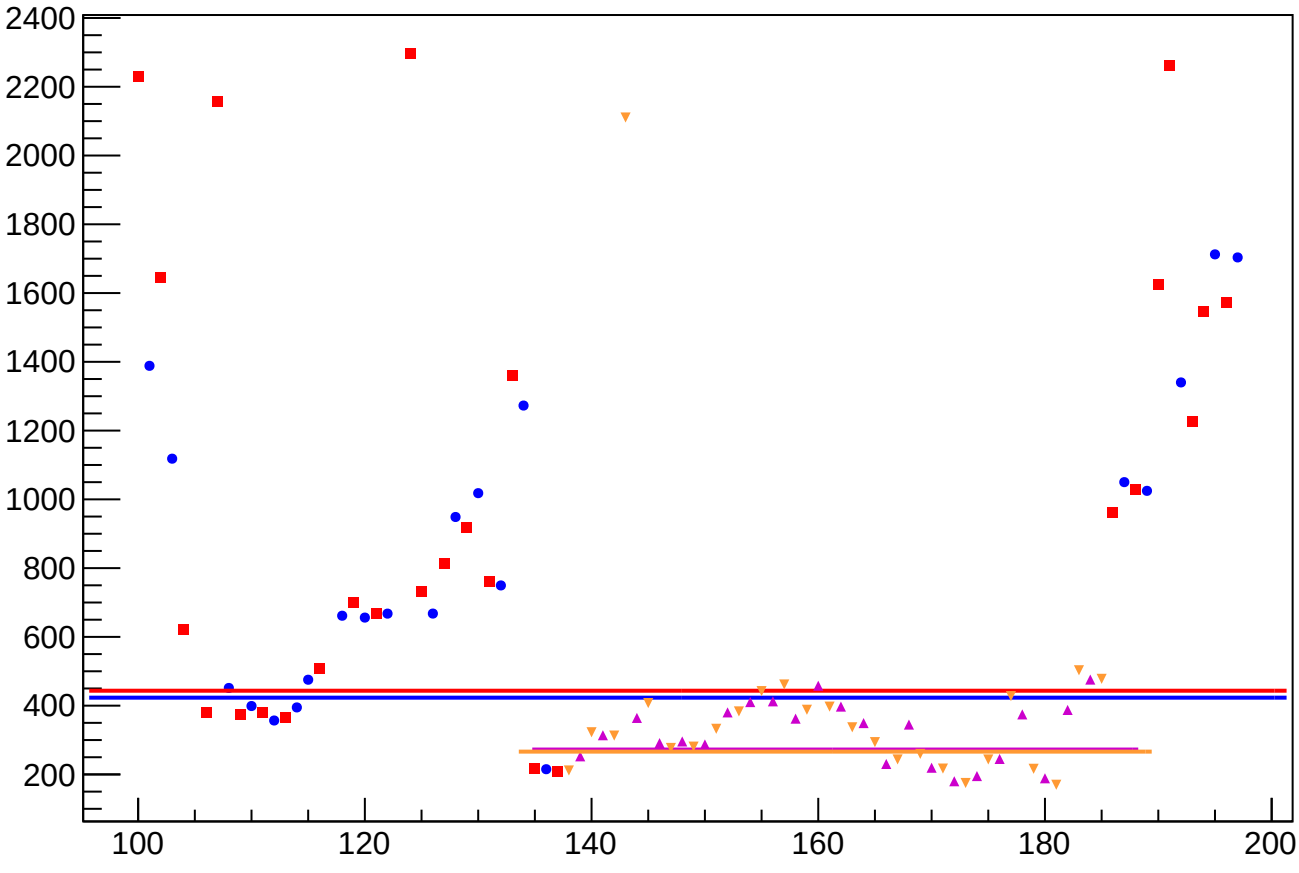
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -152.987+/-60.482 χ^2/NDF: 72.7/45

All: -142.221+/-43.287 χ^2/NDF: 105.4/94

- sign -130.917+/-61.980 χ^2/NDF: 32.6/48

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 423.256+/-0.116 χ^2/NDF: 7646616.4/20

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

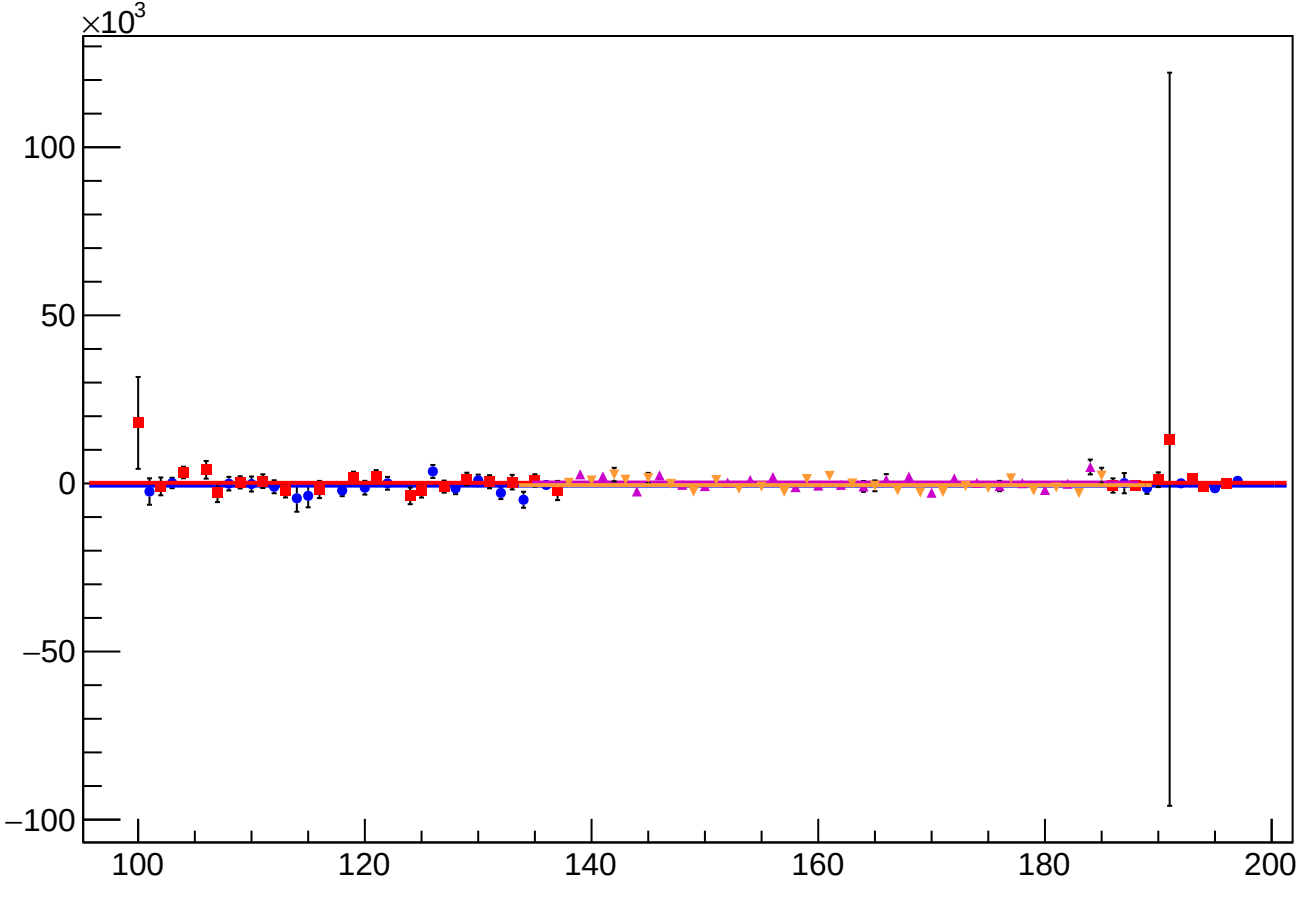
Right Out: 443.459+/-0.115 χ^2/NDF: 8078000.3/25

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 287.634+/-0.043 χ^2/NDF: 13856682.1/45

All: 292.235+/-0.031 χ^2/NDF: 26727736.2/94

- sign 297.067+/-0.044 χ^2/NDF: 12847322.9/48



Right In: -643.797+/-400.384 χ^2/NDF: 15.5/20

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 182.310+/-384.109 χ^2/NDF: 19.9/25

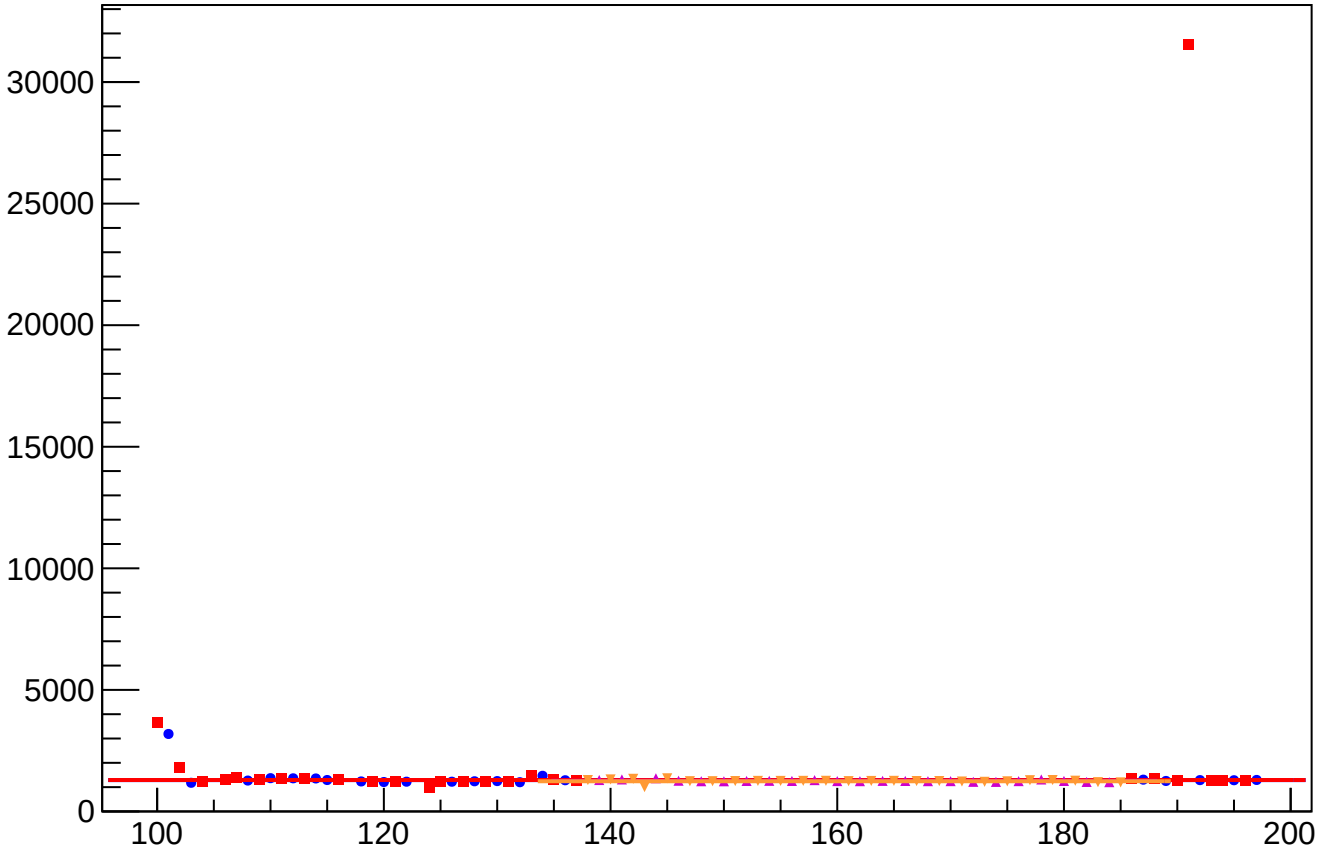
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -543.466+/-230.955 χ^2/NDF: 49.8/45

All: -166.172+/-164.248 χ^2/NDF: 105.8/94

- sign 219.919+/-233.632 χ^2/NDF: 50.6/48

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1289.662+/-0.283 χ^2/NDF: 510429.5/20

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

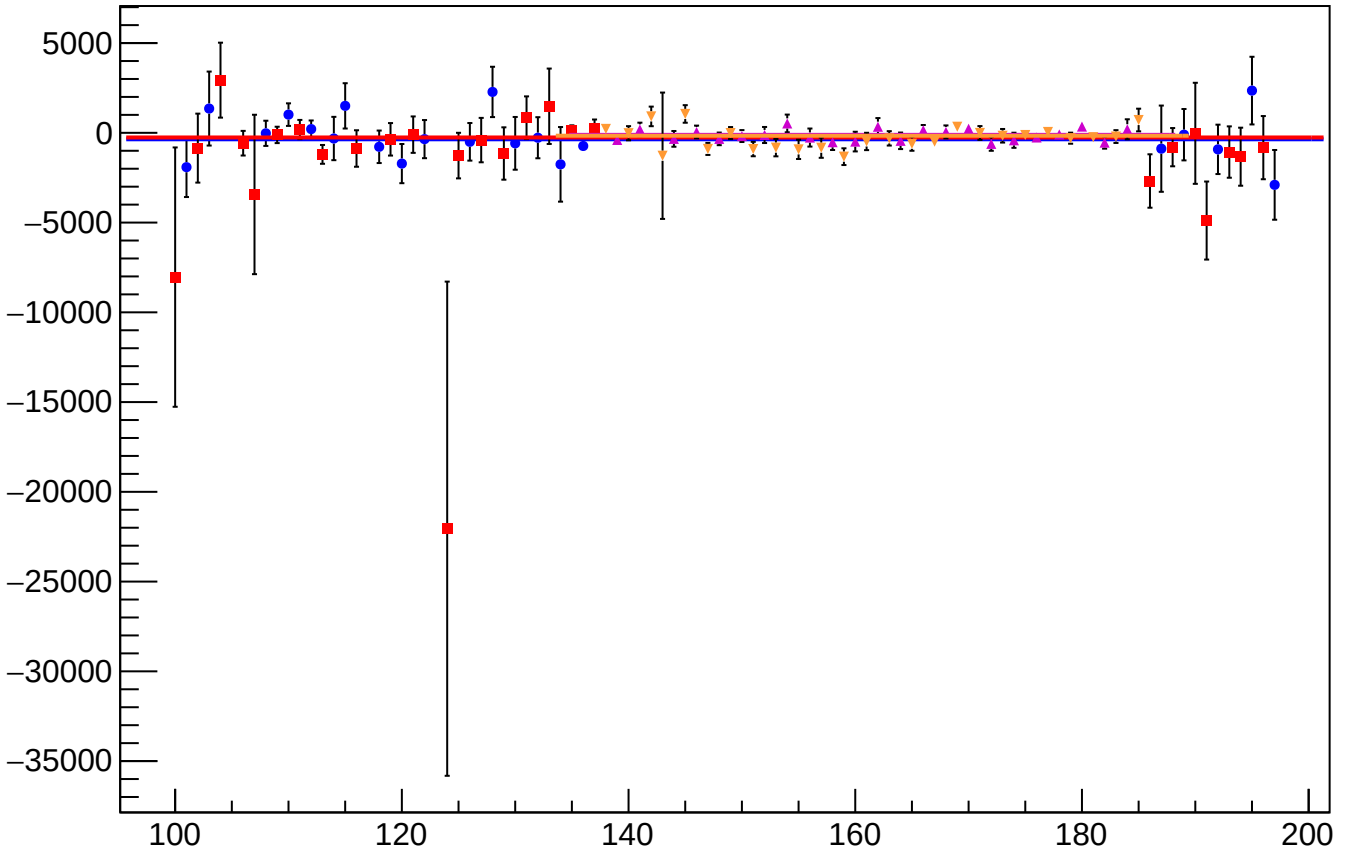
Right Out: 1293.260+/-0.272 χ^2/NDF: 372145.0/25

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.219+/-0.163 χ^2/NDF: 658938.6/45

All: 1265.210+/-0.116 χ^2/NDF: 1072118.5/94

- sign 1272.364+/-0.165 χ^2/NDF: 409472.0/48



Right In: -360.180+/-165.861 χ^2/NDF: 22.5/20

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

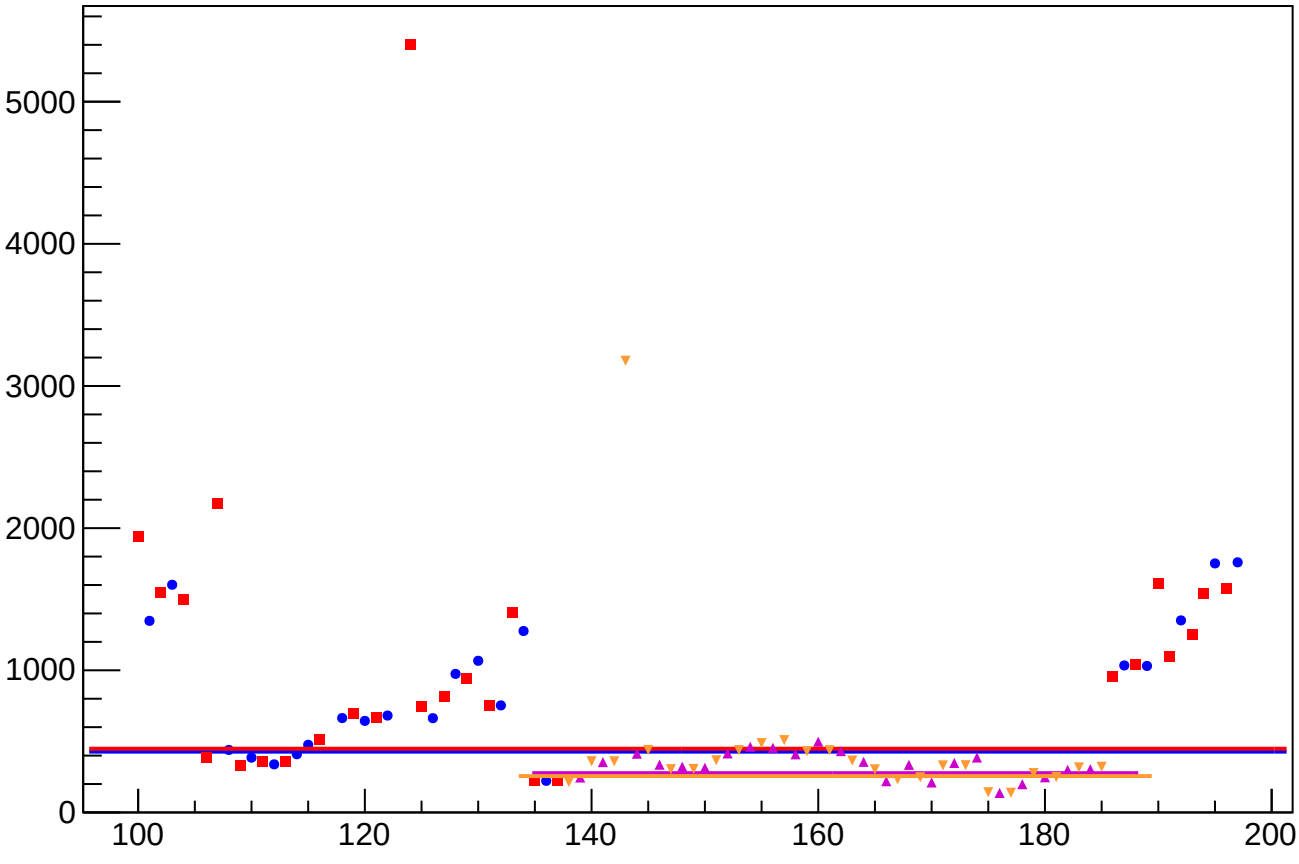
Right Out: -258.972+/-163.075 χ^2/NDF: 24.5/25

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.845+/-59.817 χ^2/NDF: 67.5/45

All: -162.763+/-43.515 χ^2/NDF: 111.2/94

- sign -135.691+/-63.421 χ^2/NDF: 43.4/48



Right In: 427.945+/-0.117 χ^2/NDF: 7778236.2/20

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

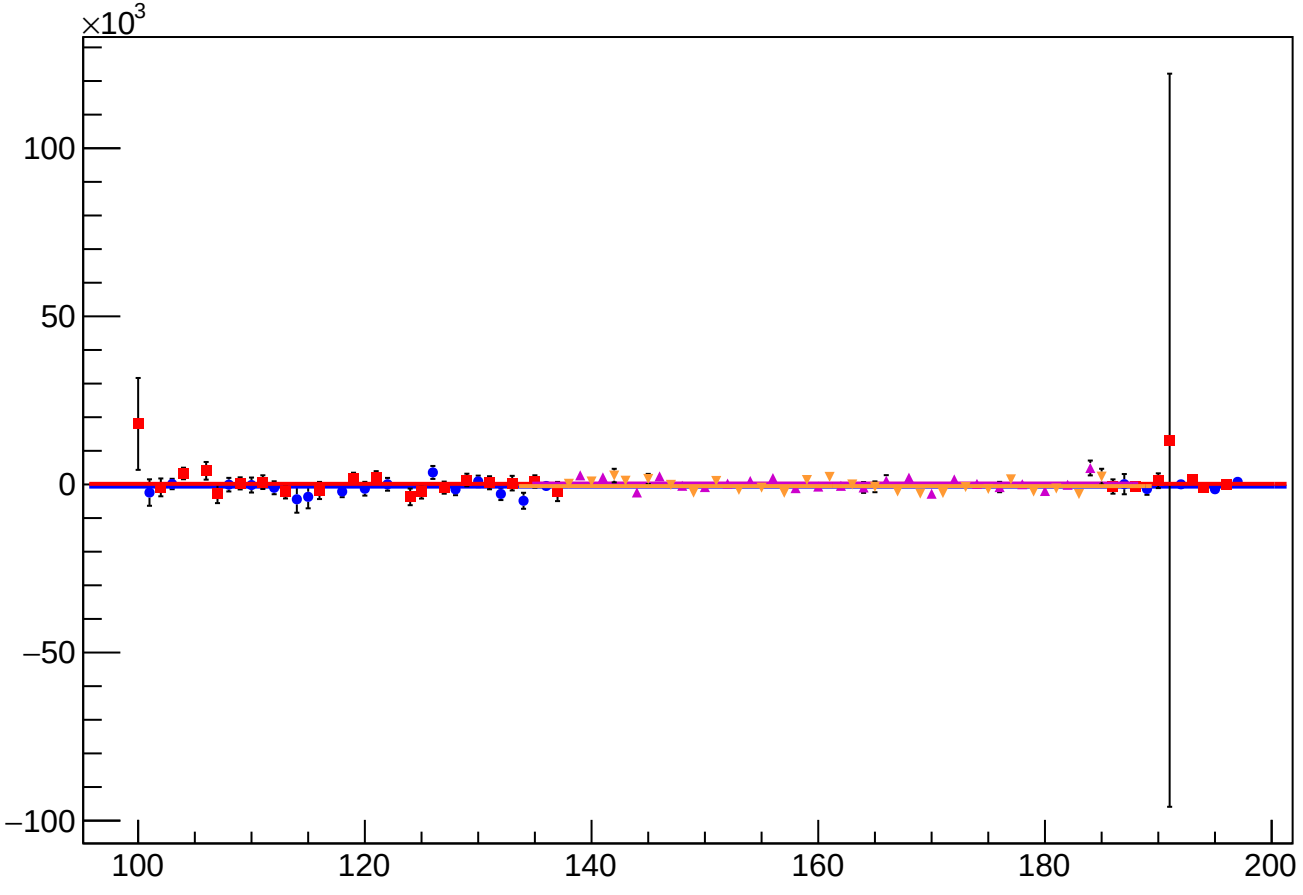
Right Out: 448.288+/-0.115 χ^2/NDF: 8581502.2/25

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 278.162+/-0.042 χ^2/NDF: 16027073.1/45

All: 289.531+/-0.031 χ^2/NDF: 30677621.4/94

- sign 302.312+/-0.045 χ^2/NDF: 14497080.6/48



Right In: -643.798+/-400.384 χ^2/NDF: 15.5/20

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 182.309+/-384.109 χ^2/NDF: 19.9/25

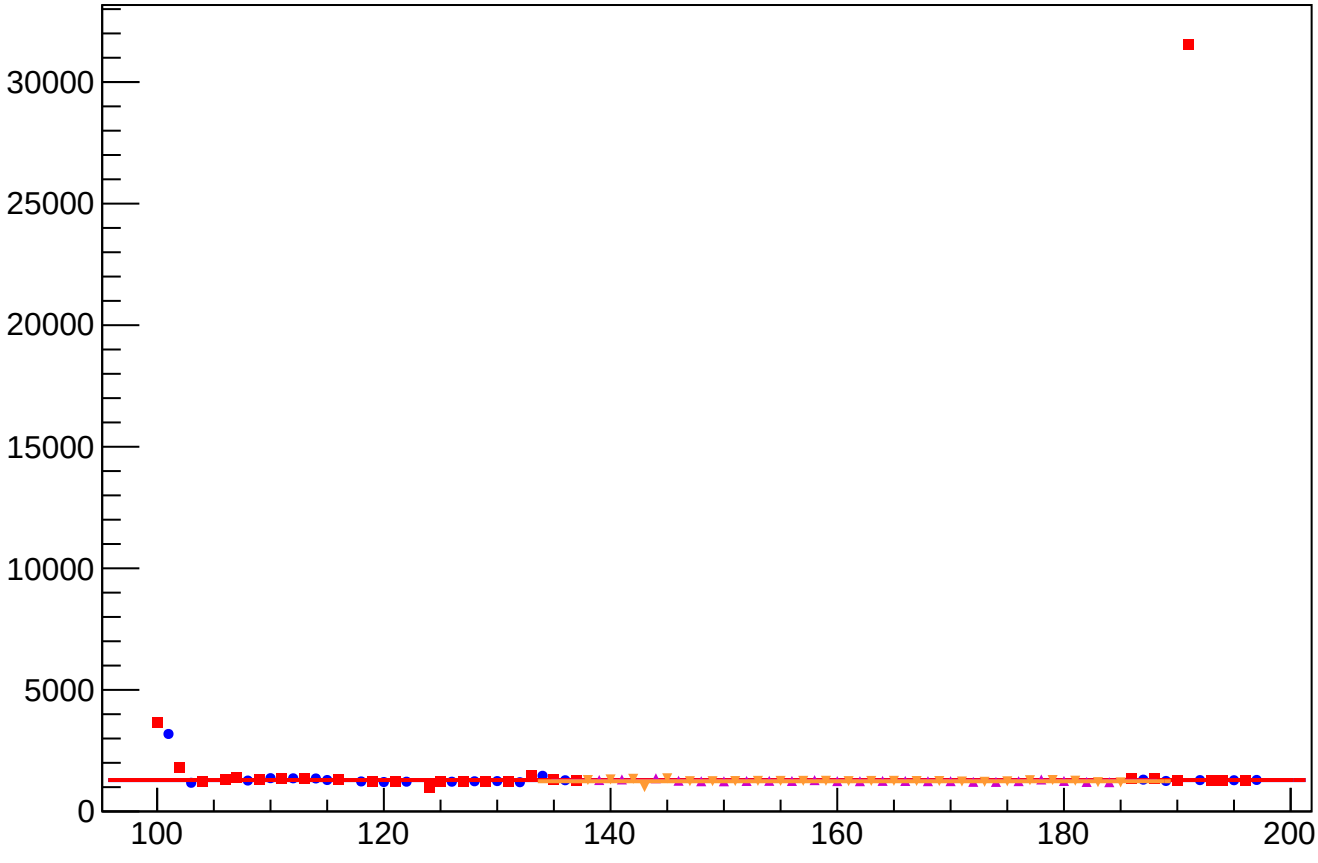
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -543.466+/-230.955 χ^2/NDF: 49.8/45

All: -166.172+/-164.248 χ^2/NDF: 105.8/94

- sign 219.919+/-233.632 χ^2/NDF: 50.6/48

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1289.662+/-0.283 χ^2/NDF: 510429.5/20

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

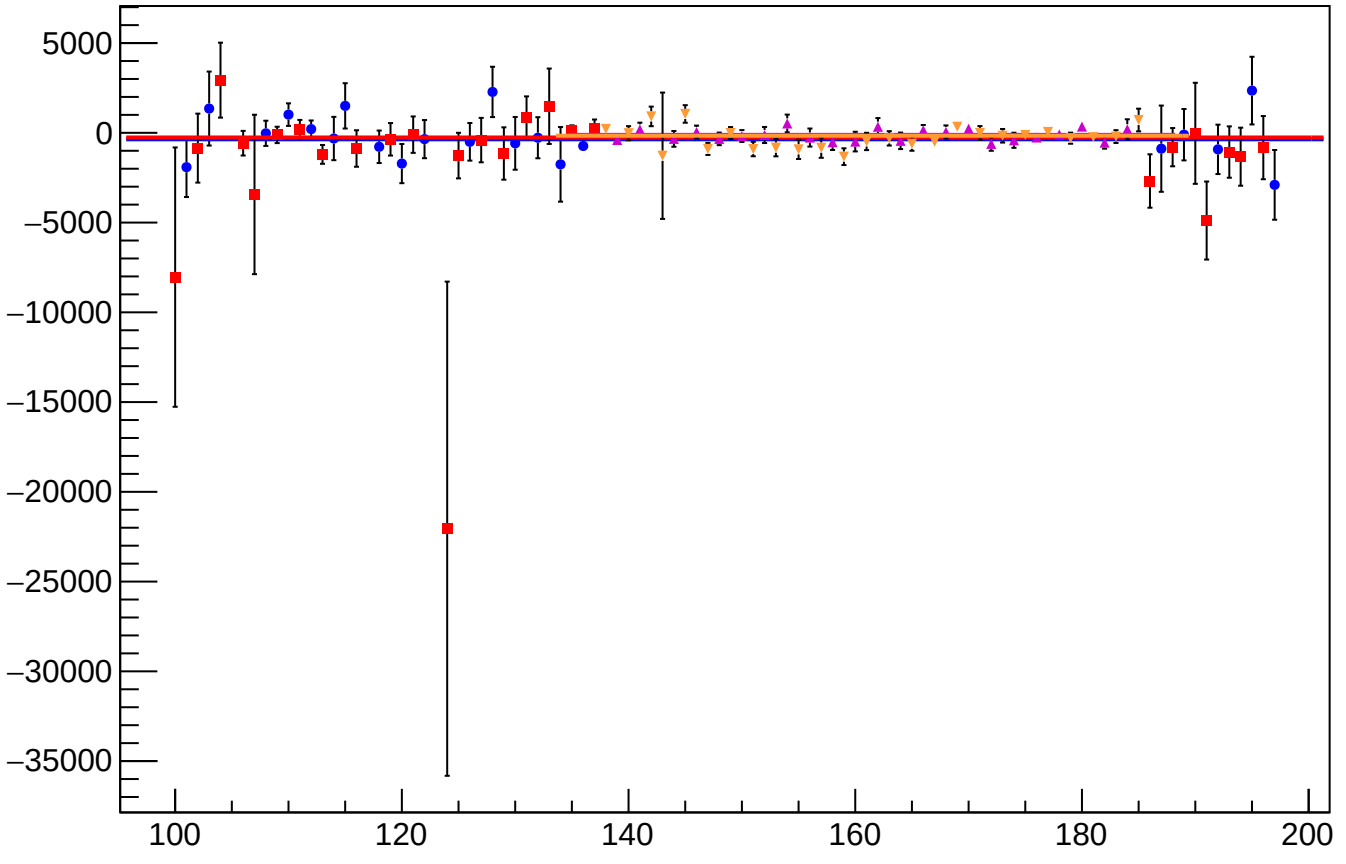
Right Out: 1293.260+/-0.272 χ^2/NDF: 372145.3/25

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.219+/-0.163 χ^2/NDF: 658937.7/45

All: 1265.210+/-0.116 χ^2/NDF: 1072117.9/94

- sign 1272.364+/-0.165 χ^2/NDF: 409472.3/48



Right In: -360.181+/-165.864 χ^2/NDF: 22.5/20

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

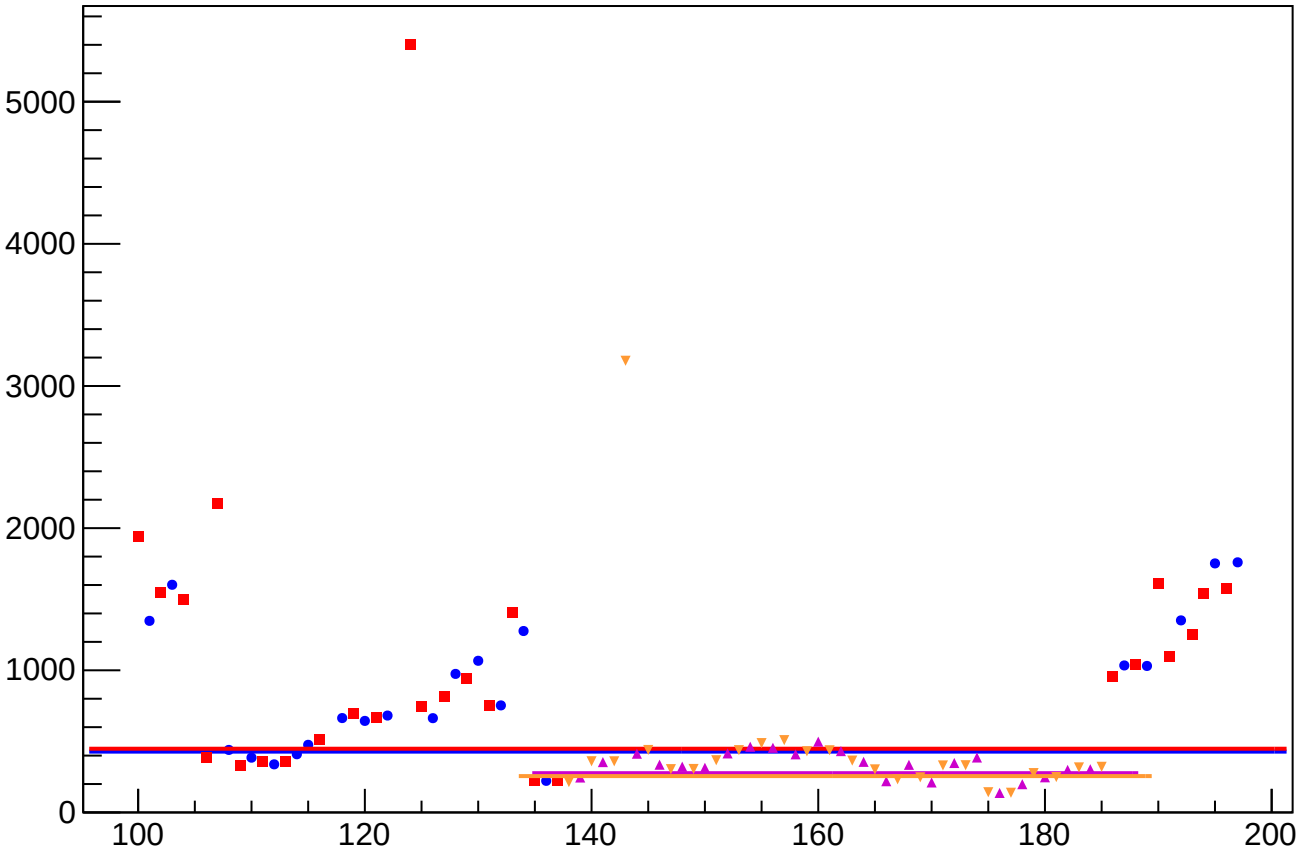
Right Out: -258.980+/-163.077 χ^2/NDF: 24.5/25

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.847+/-59.817 χ^2/NDF: 67.5/45

All: -162.764+/-43.515 χ^2/NDF: 111.2/94

- sign -135.690+/-63.421 χ^2/NDF: 43.4/48



Right In: 427.956+/-0.117 χ^2/NDF: 7777980.4/20

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 448.297+/-0.115 χ^2/NDF: 8581282.1/25

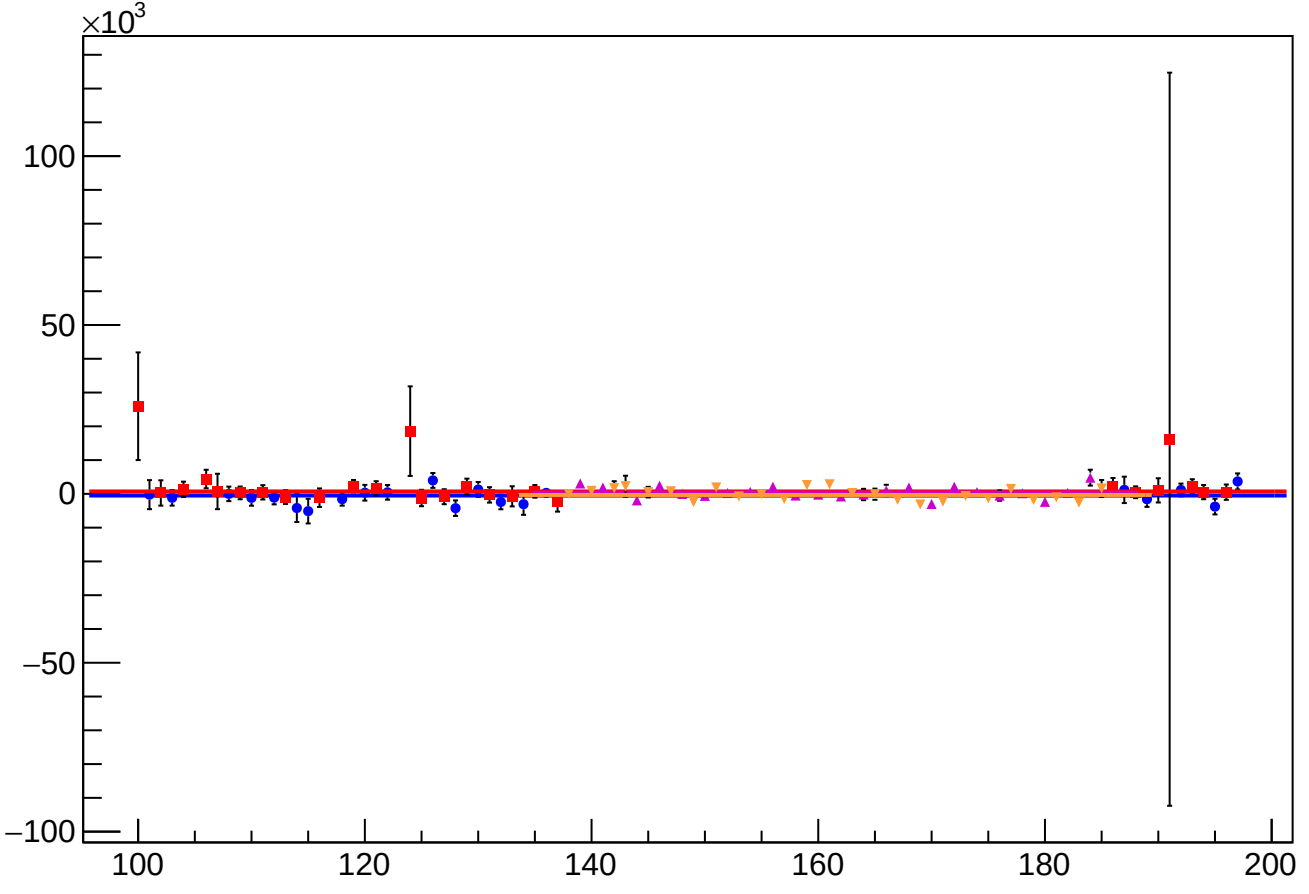
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 278.164+/-0.042 χ^2/NDF: 16026876.4/45

All: 289.533+/-0.031 χ^2/NDF: 30677296.9/94

- sign 302.313+/-0.045 χ^2/NDF: 14496964.5/48

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -488.681+/-497.145 χ^2/NDF: 18.8/20

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 713.995+/-480.622 χ^2/NDF: 12.4/25

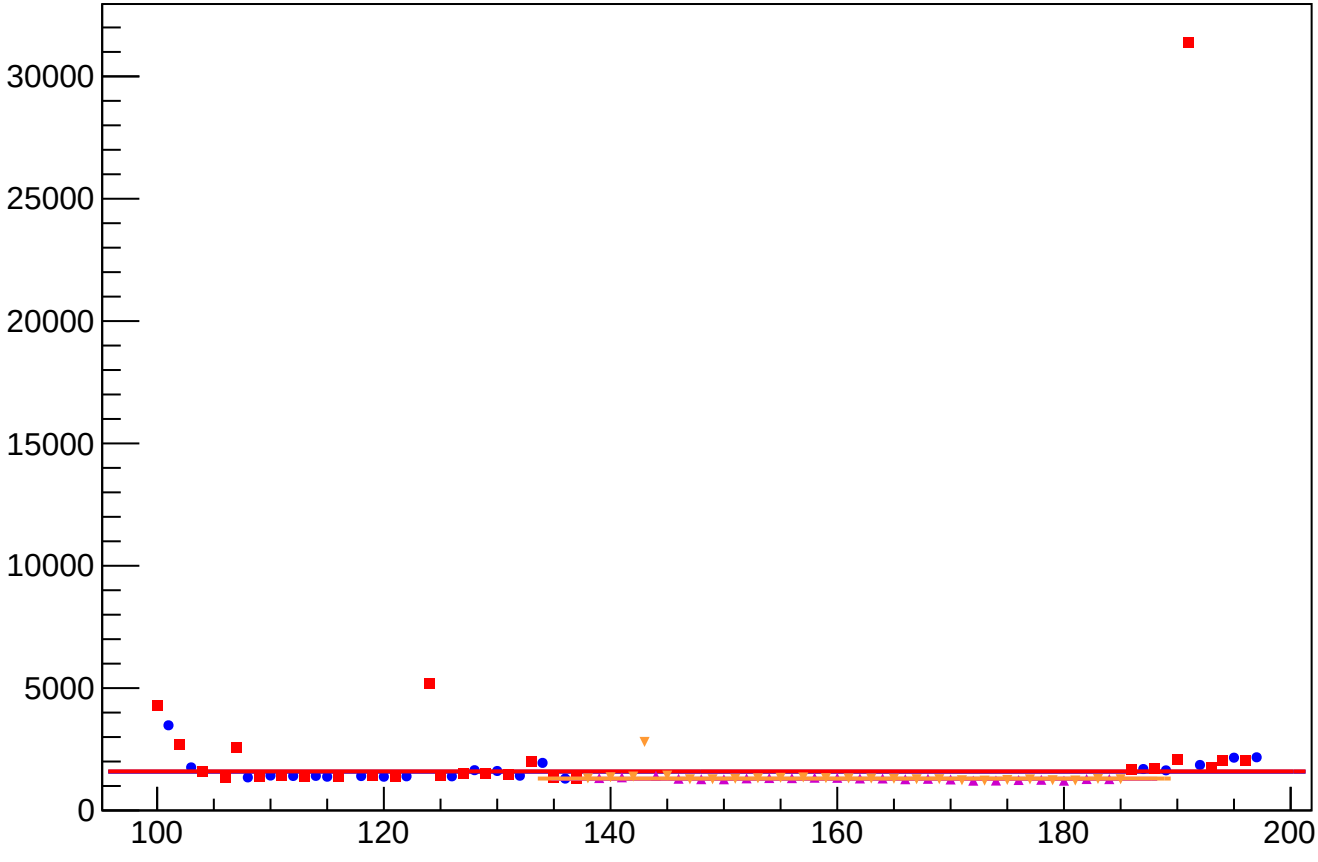
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -364.459+/-255.769 χ^2/NDF: 50.5/45

All: 46.744+/-180.814 χ^2/NDF: 98.0/94

- sign 457.566+/-255.650 χ^2/NDF: 42.4/48

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1583.181+/-0.352 χ^2/NDF: 935911.7/20

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

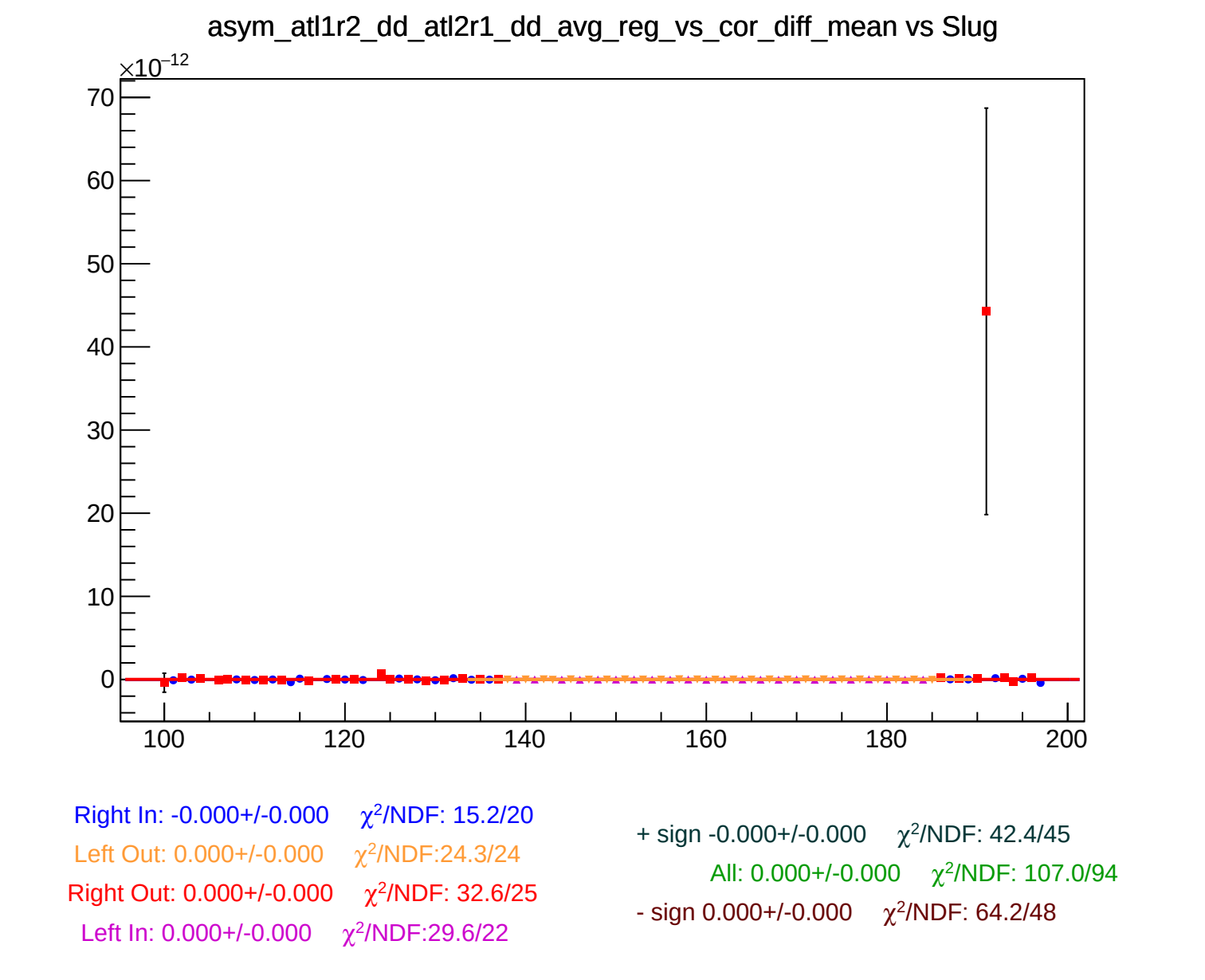
Right Out: 1597.038+/-0.340 χ^2/NDF: 1056041.4/25

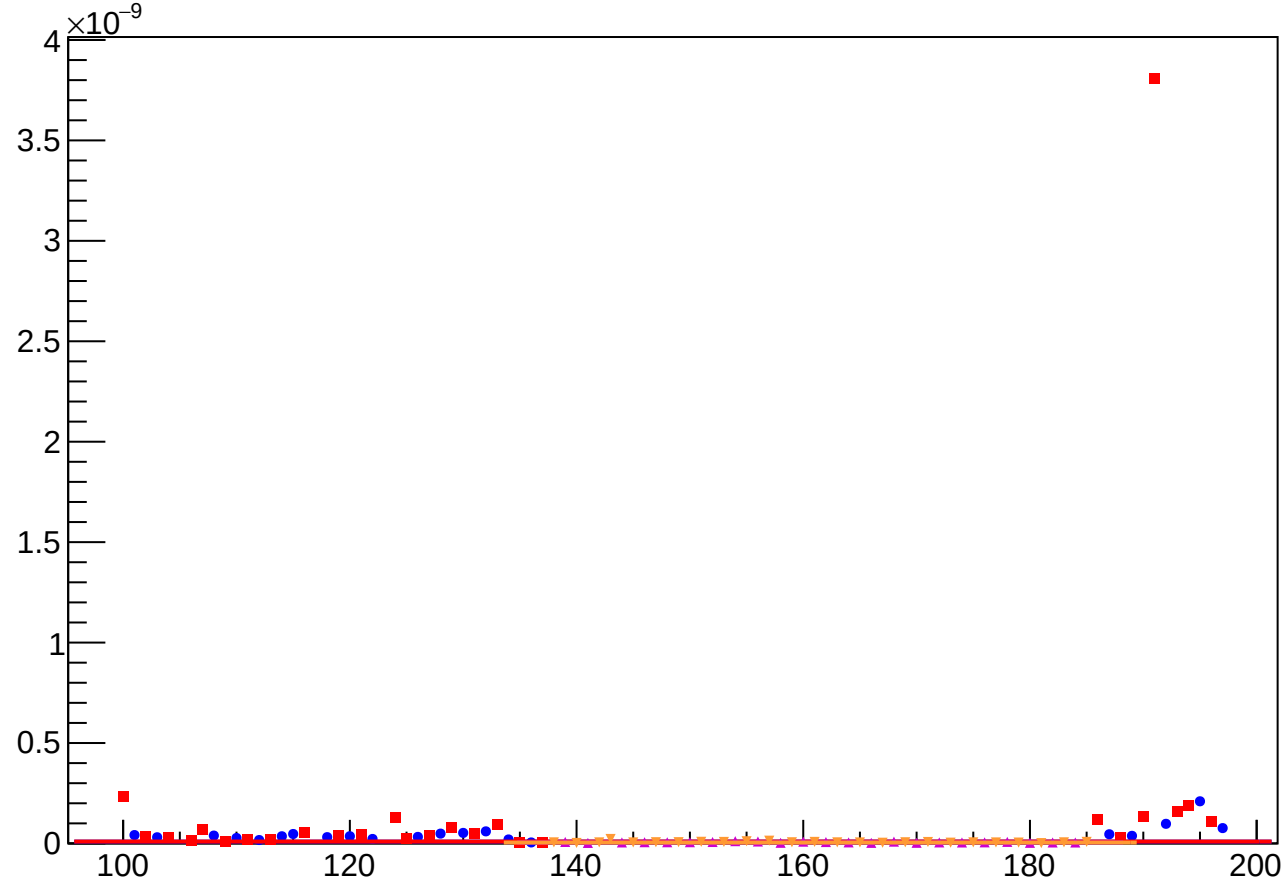
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1378.010+/-0.181 χ^2/NDF: 1918781.5/45

All: 1378.202+/-0.128 χ^2/NDF: 3600388.5/94

- sign 1378.394+/-0.181 χ^2/NDF: 1681604.8/48


asym_atl1r2_dd_atl2r1_dd_avg_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: 15.2/20
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.6/25
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 42.4/45
All: 0.000+/-0.000 χ²/NDF: 107.0/94
- sign 0.000+/-0.000 χ²/NDF: 64.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 4820521.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

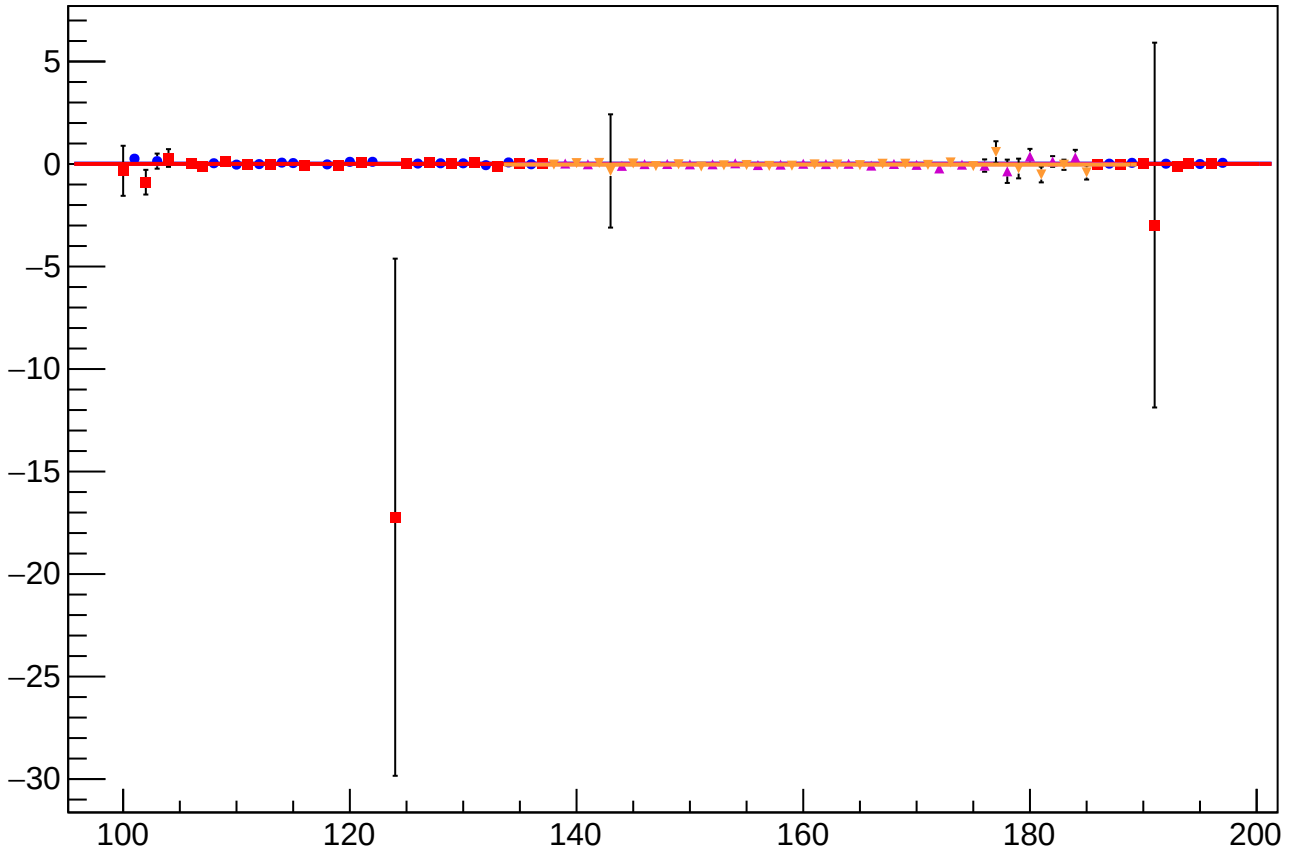
Right Out: 0.000+/-0.000 χ^2/NDF: 6299061.2/25

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8227429.9/45

All: 0.000+/-0.000 χ^2/NDF: 17101924.7/94

- sign 0.000+/-0.000 χ^2/NDF: 8850344.0/48



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

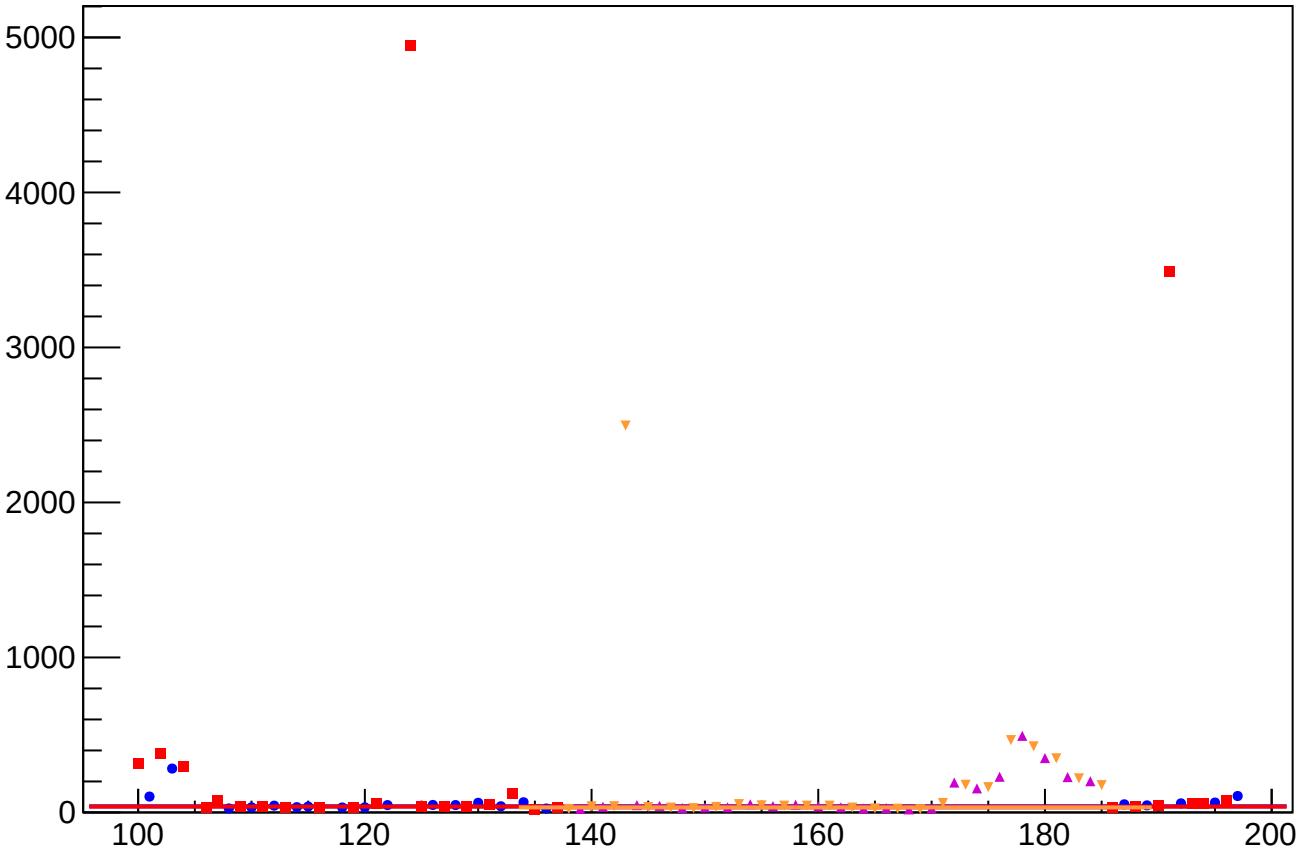
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.2/94

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48



Right In: 39.482+/-0.010 χ^2/NDF: 3433000.0/20

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

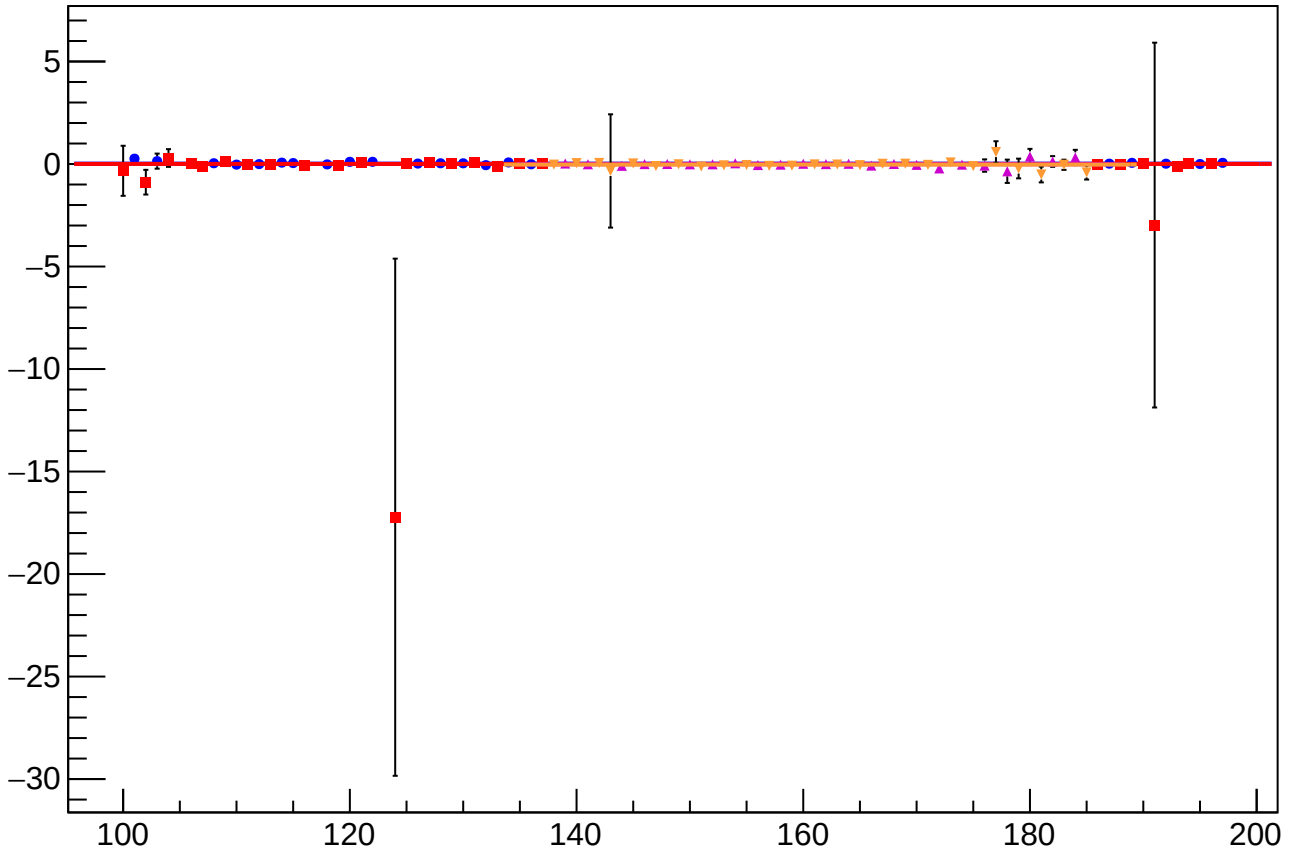
Right Out: 37.758+/-0.009 χ^2/NDF: 4181149.5/25

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632770.5/45

All: 34.571+/-0.004 χ^2/NDF: 27969106.3/94

- sign 34.455+/-0.005 χ^2/NDF: 13335400.7/48



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

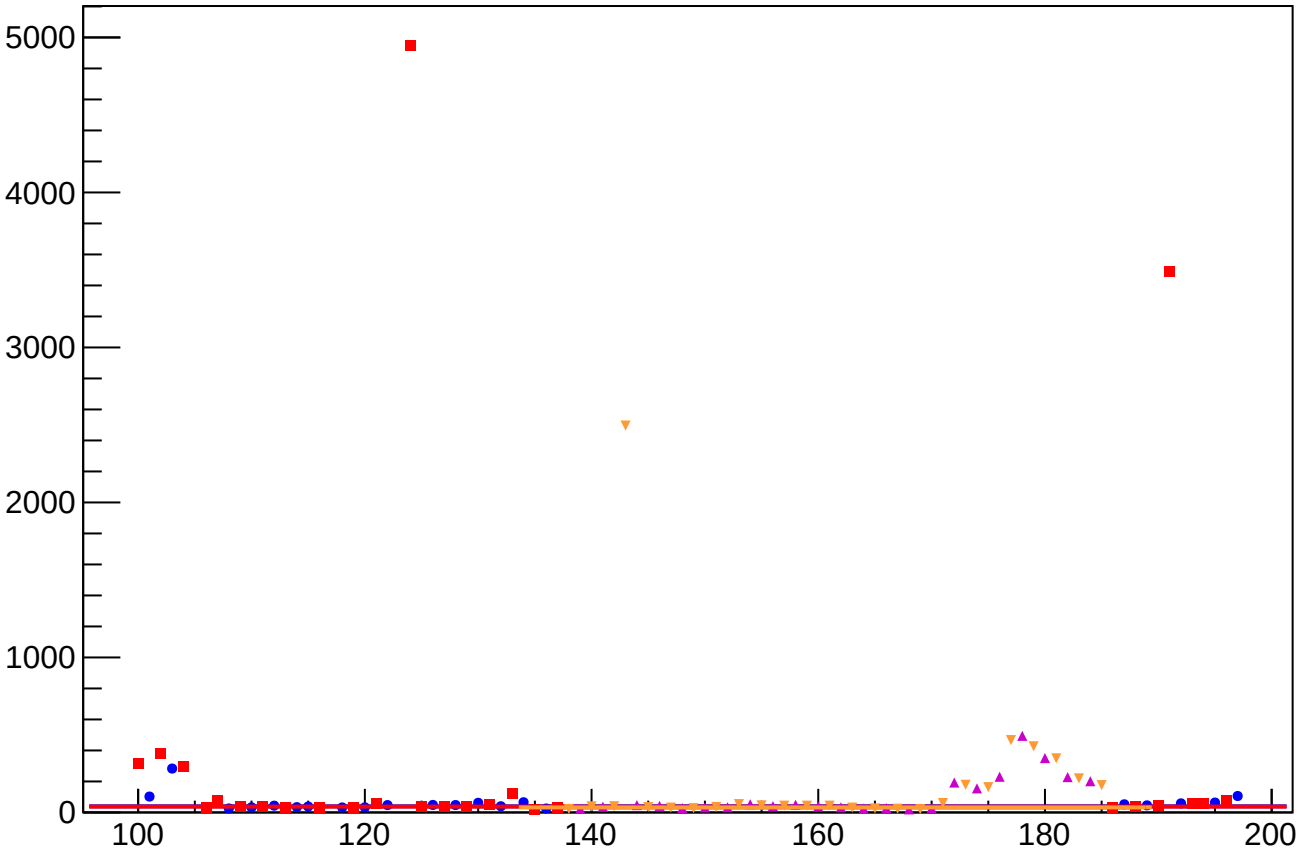
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.2/94

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48



Right In: 39.482+/-0.010 χ^2/NDF: 3433000.0/20

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

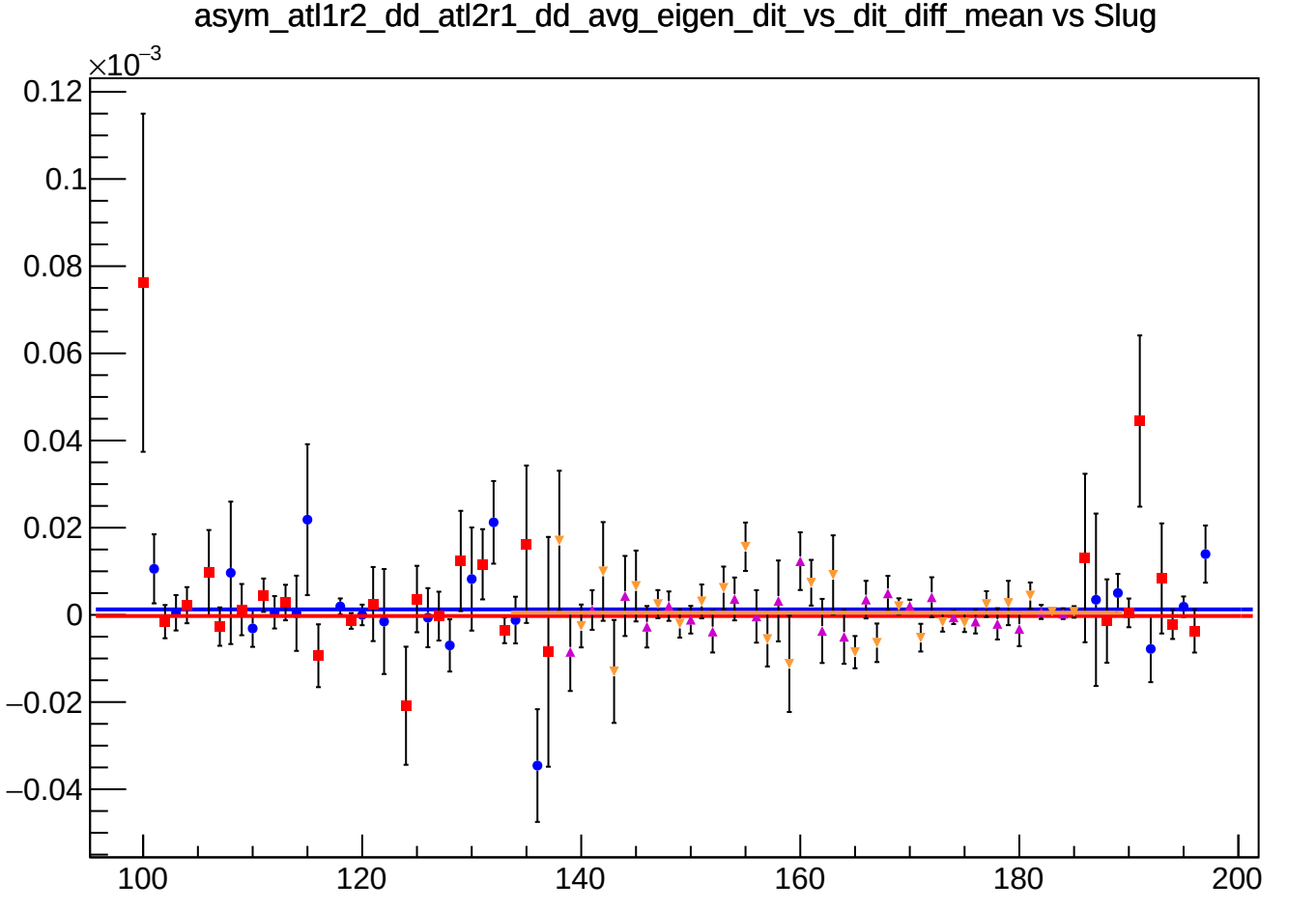
Right Out: 37.758+/-0.009 χ^2/NDF: 4181149.5/25

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632770.5/45

All: 34.571+/-0.004 χ^2/NDF: 27969106.3/94

- sign 34.455+/-0.005 χ^2/NDF: 13335400.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

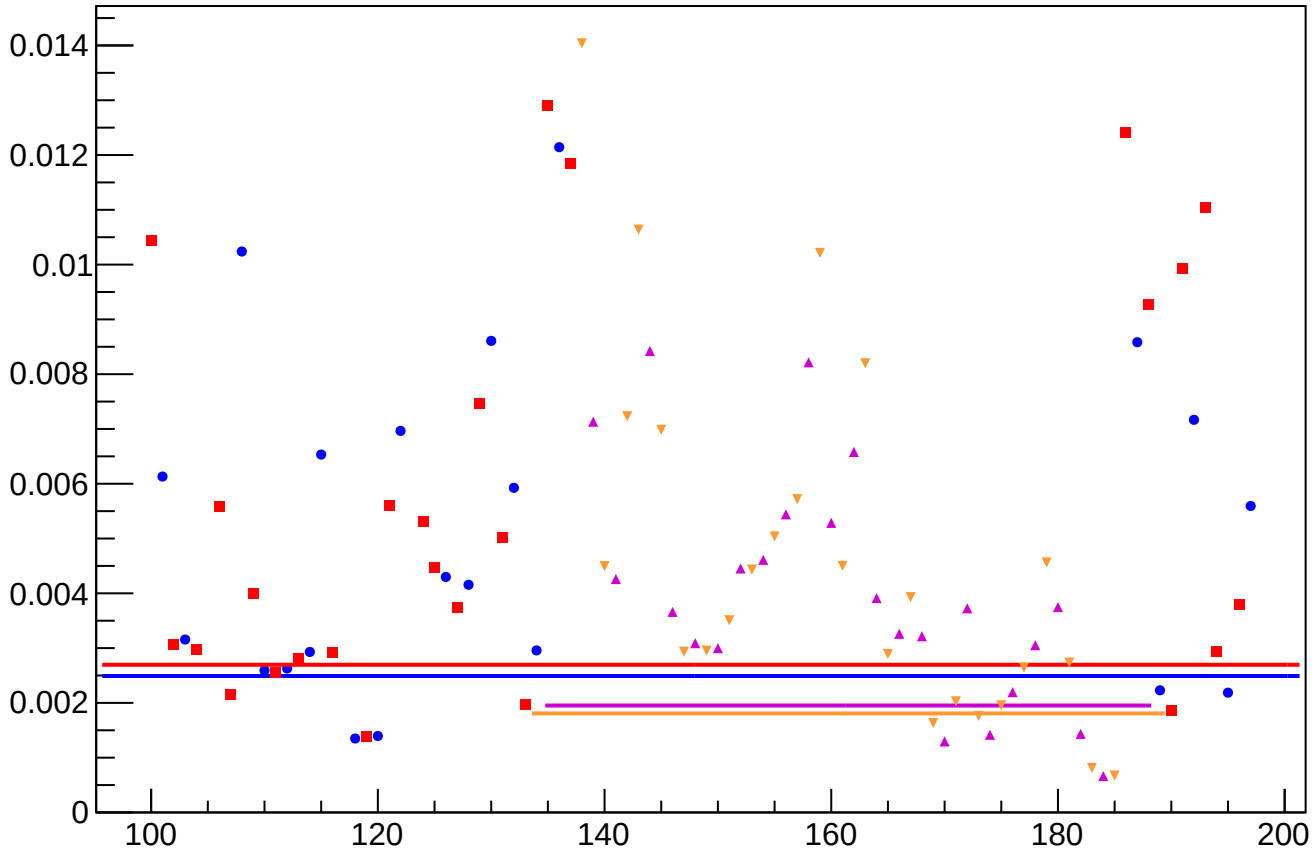
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/25

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/45

All: 0.000+/-0.000 χ^2/NDF: 101.1/94

- sign 0.000+/-0.000 χ^2/NDF: 39.2/48



Right In: 0.002+/-0.000 χ^2/NDF: 6175432.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

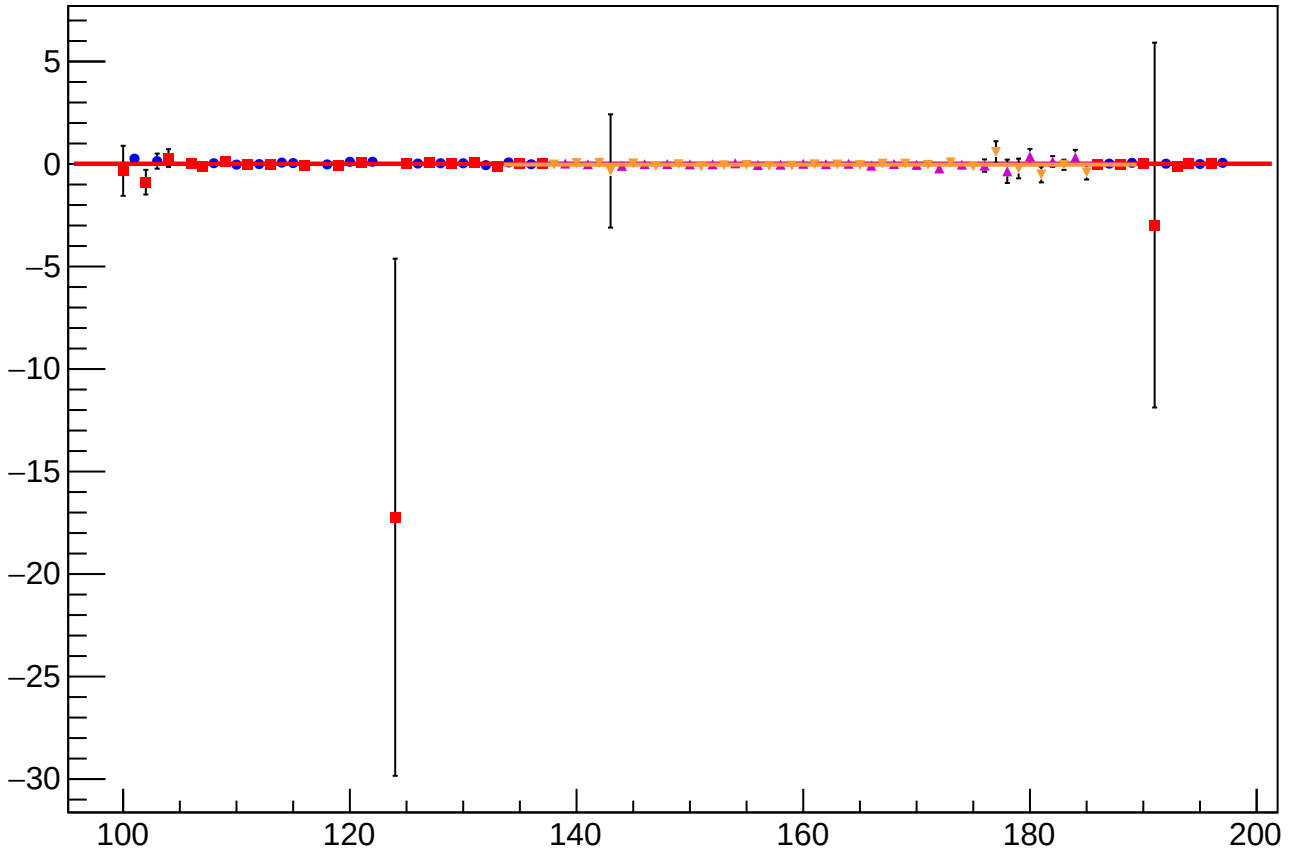
Right Out: 0.003+/-0.000 χ^2/NDF: 6286975.1/25

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 21884583.4/45

All: 0.002+/-0.000 χ^2/NDF: 40692623.9/94

- sign 0.002+/-0.000 χ^2/NDF: 18663645.9/48



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

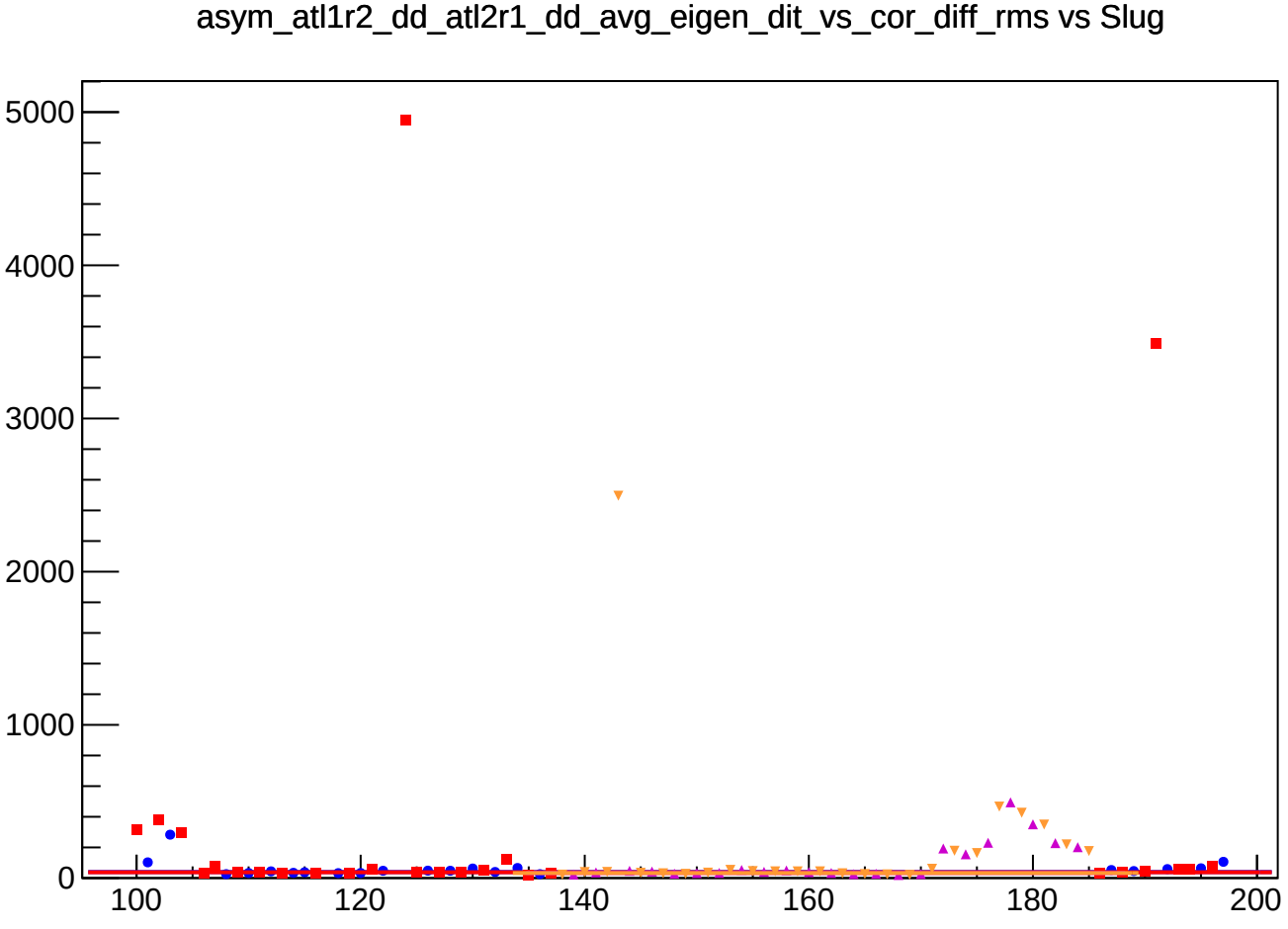
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.2/94

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48



Right In: 39.483+/-0.010 χ^2/NDF: 3432537.6/20

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 37.759+/-0.009 χ^2/NDF: 4180901.9/25

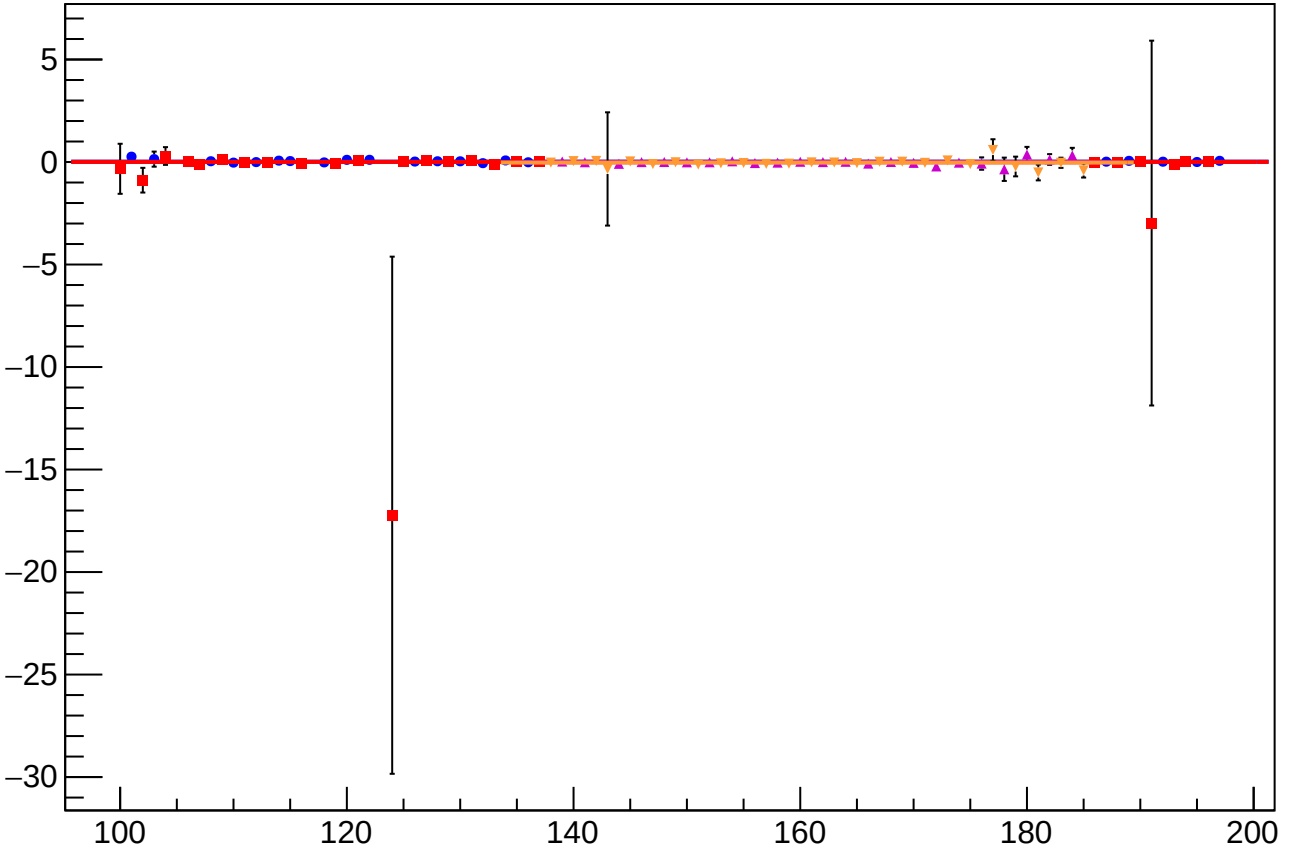
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632708.1/45

All: 34.571+/-0.004 χ^2/NDF: 27969557.2/94

- sign 34.454+/-0.005 χ^2/NDF: 13335905.8/48

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.014 χ^2/NDF: 12.0/20

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/25

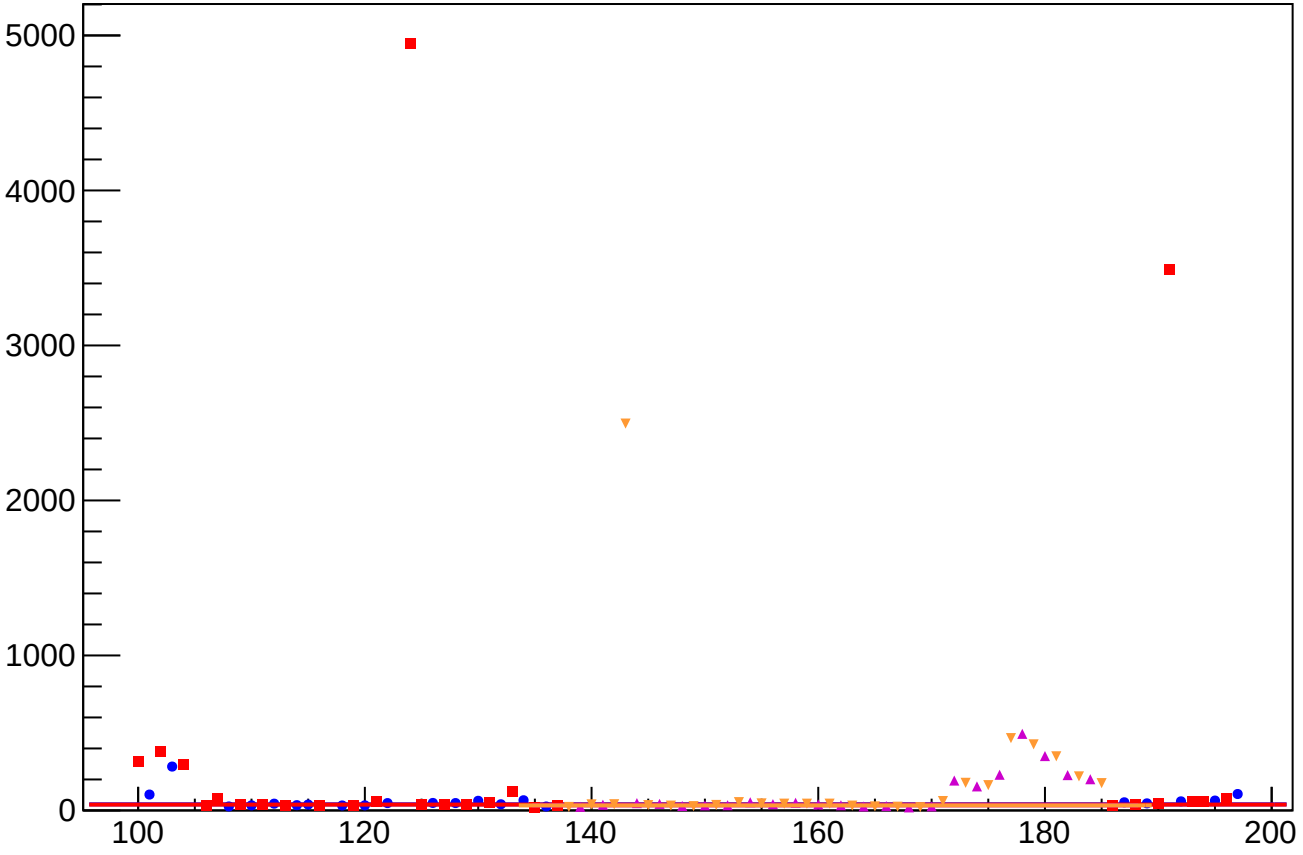
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.4/45

All: -0.009+/-0.006 χ^2/NDF: 82.2/94

- sign -0.005+/-0.008 χ^2/NDF: 34.3/48

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.483+/-0.010 χ^2/NDF: 3432537.6/20

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

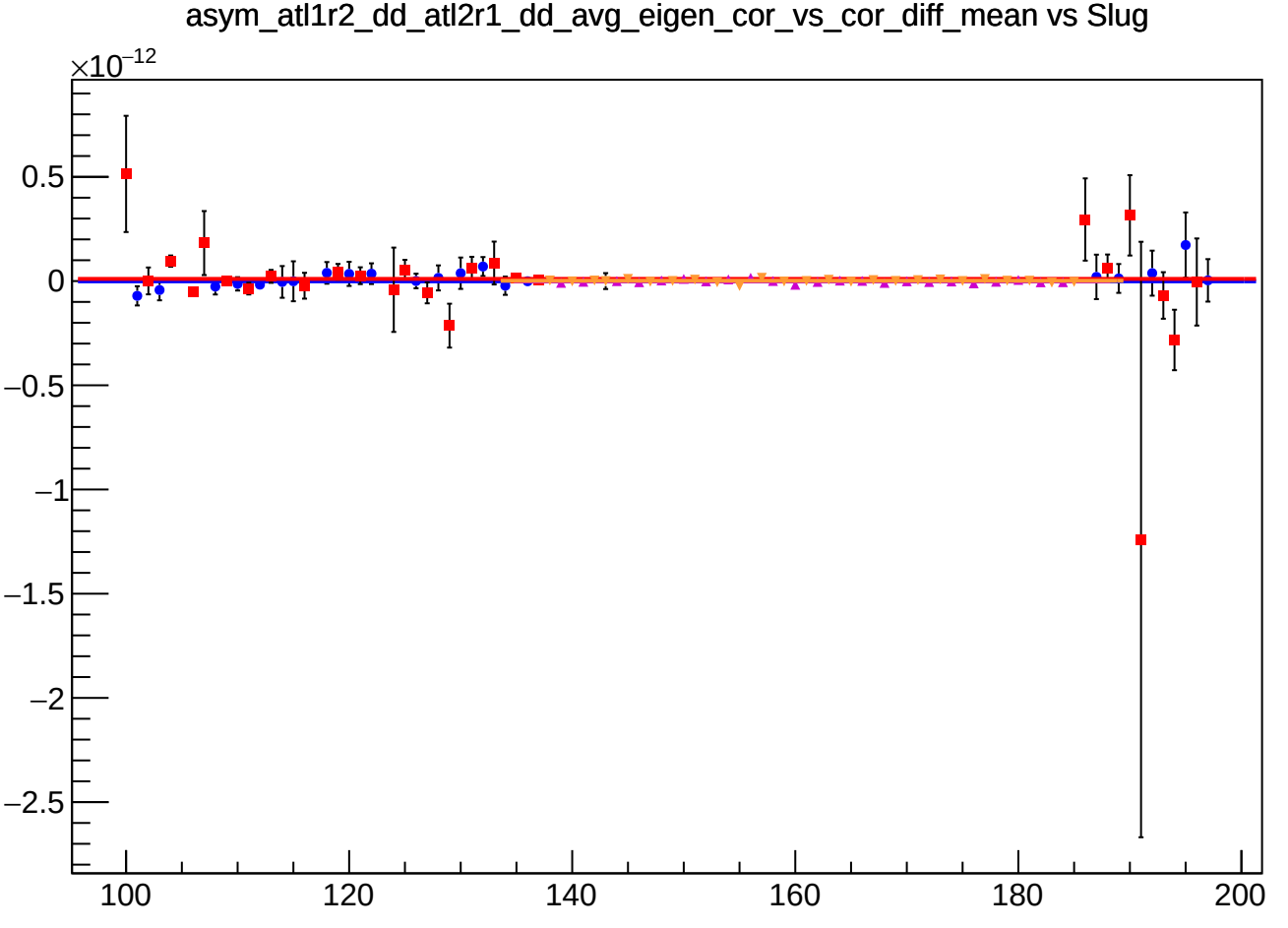
Right Out: 37.759+/-0.009 χ^2/NDF: 4180901.9/25

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.694+/-0.006 χ^2/NDF: 14632708.1/45

All: 34.571+/-0.004 χ^2/NDF: 27969557.2/94

- sign 34.454+/-0.005 χ^2/NDF: 13335905.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

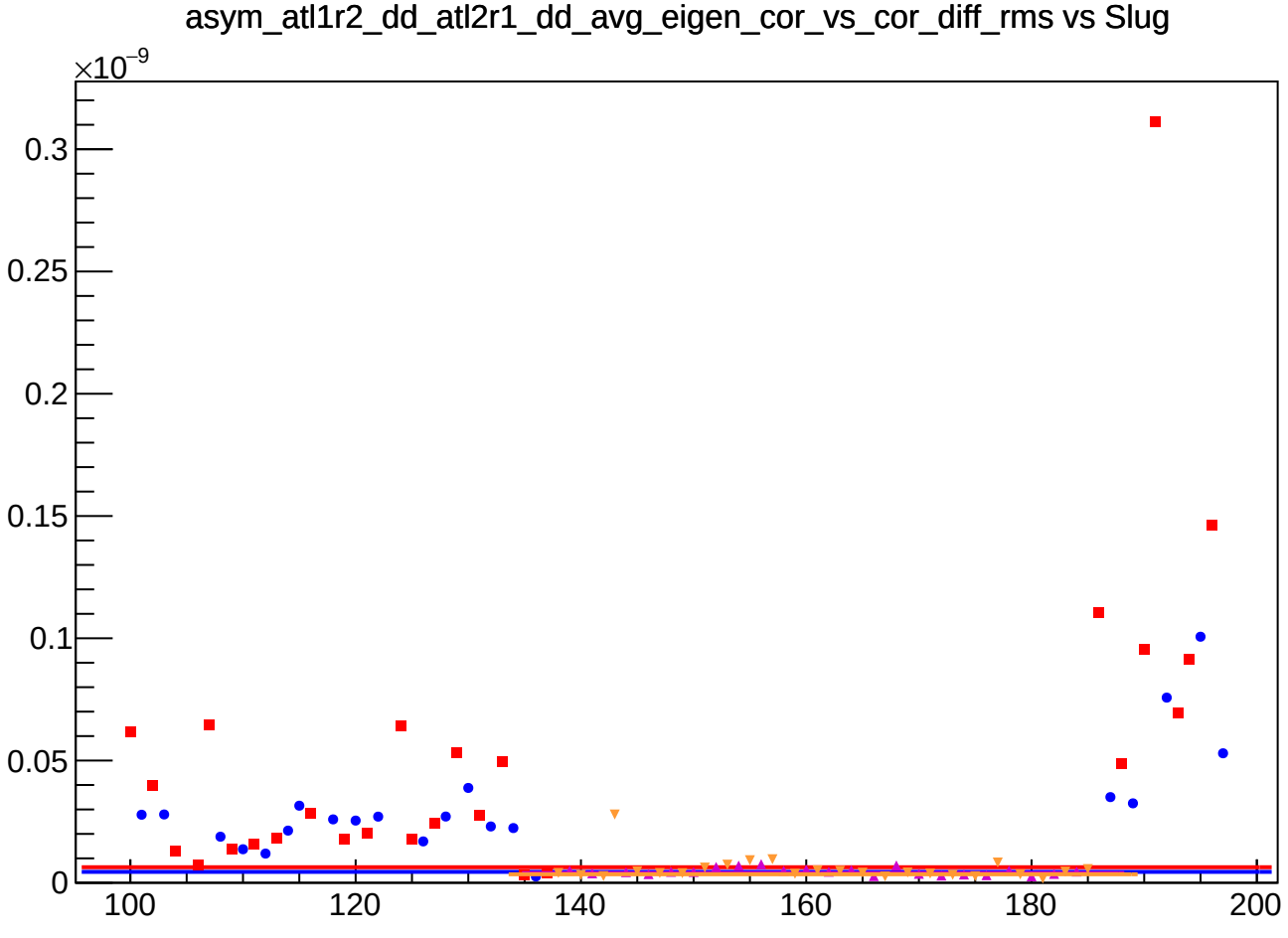
Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/25

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/45

All: 0.000+/-0.000 χ^2/NDF: 116.3/94

- sign -0.000+/-0.000 χ^2/NDF: 86.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 7667464.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

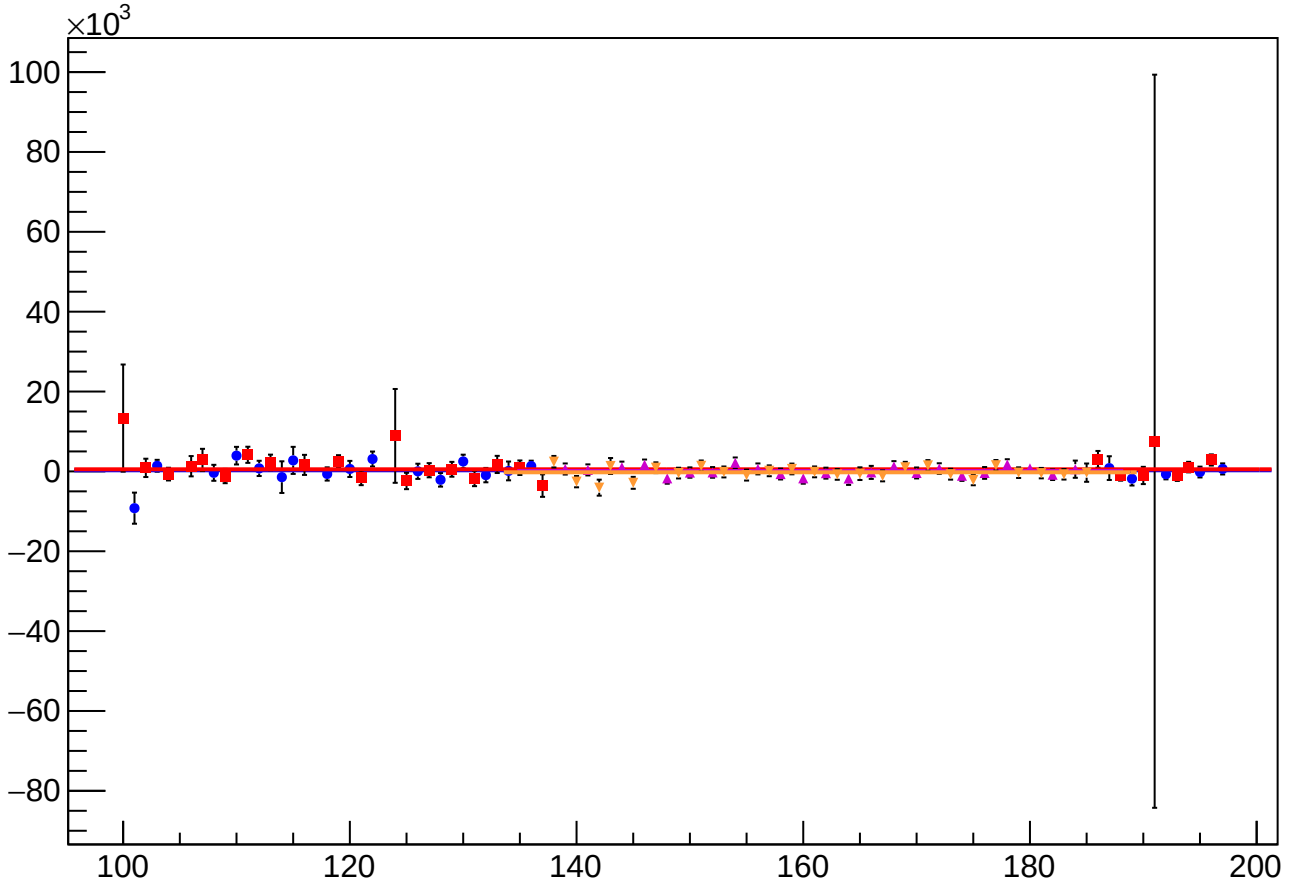
Right Out: 0.000+/-0.000 χ^2/NDF: 9042089.6/25

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12506166.5/45

All: 0.000+/-0.000 χ^2/NDF: 24521813.5/94

- sign 0.000+/-0.000 χ^2/NDF: 11733268.9/48



Right In: 278.792+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 523.904+/-381.285 χ^2/NDF: 24.0/25

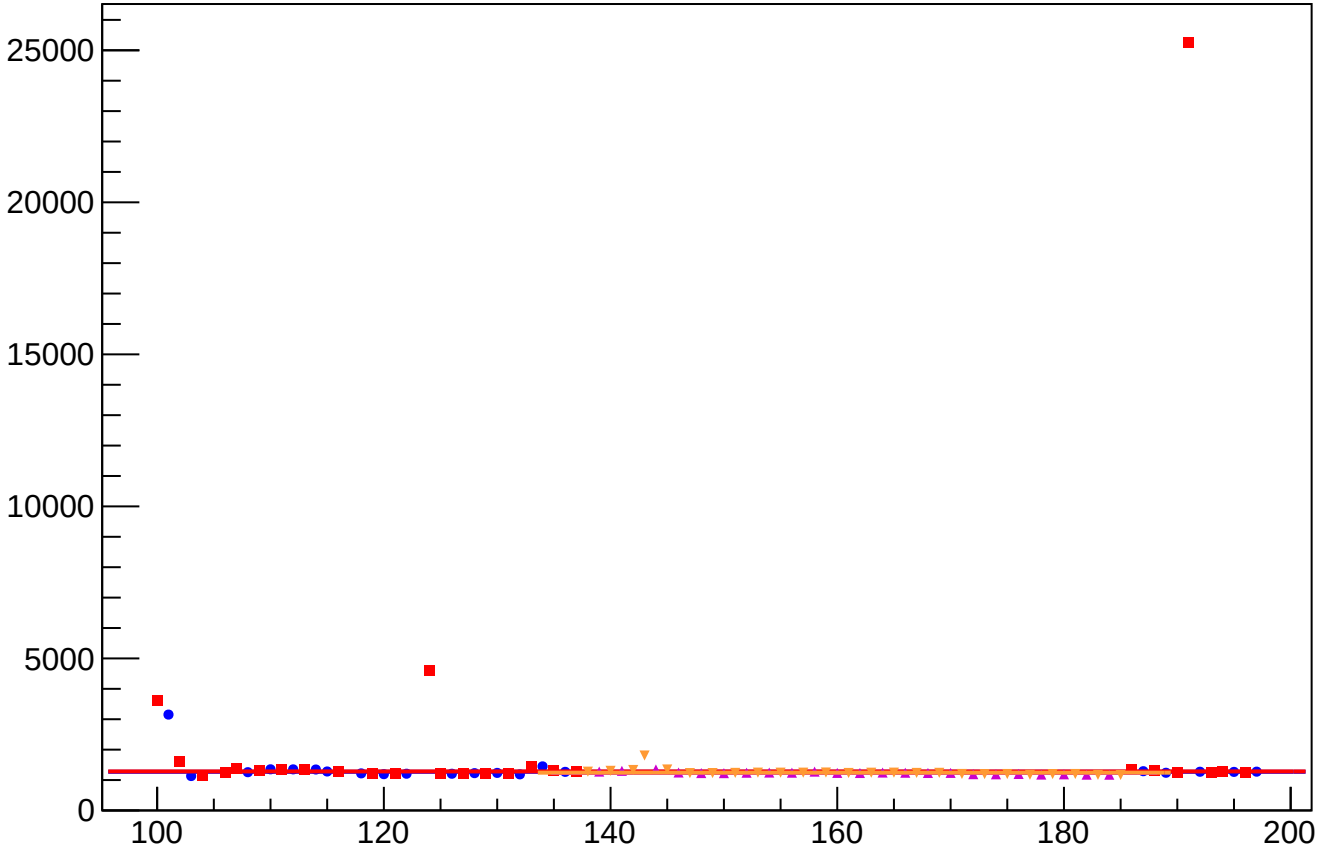
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -51.089+/-230.025 χ^2/NDF: 44.8/45

All: 99.178+/-162.615 χ^2/NDF: 85.1/94

- sign 249.306+/-229.920 χ^2/NDF: 39.5/48

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1271.232+/-0.279 χ^2/NDF: 520131.2/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

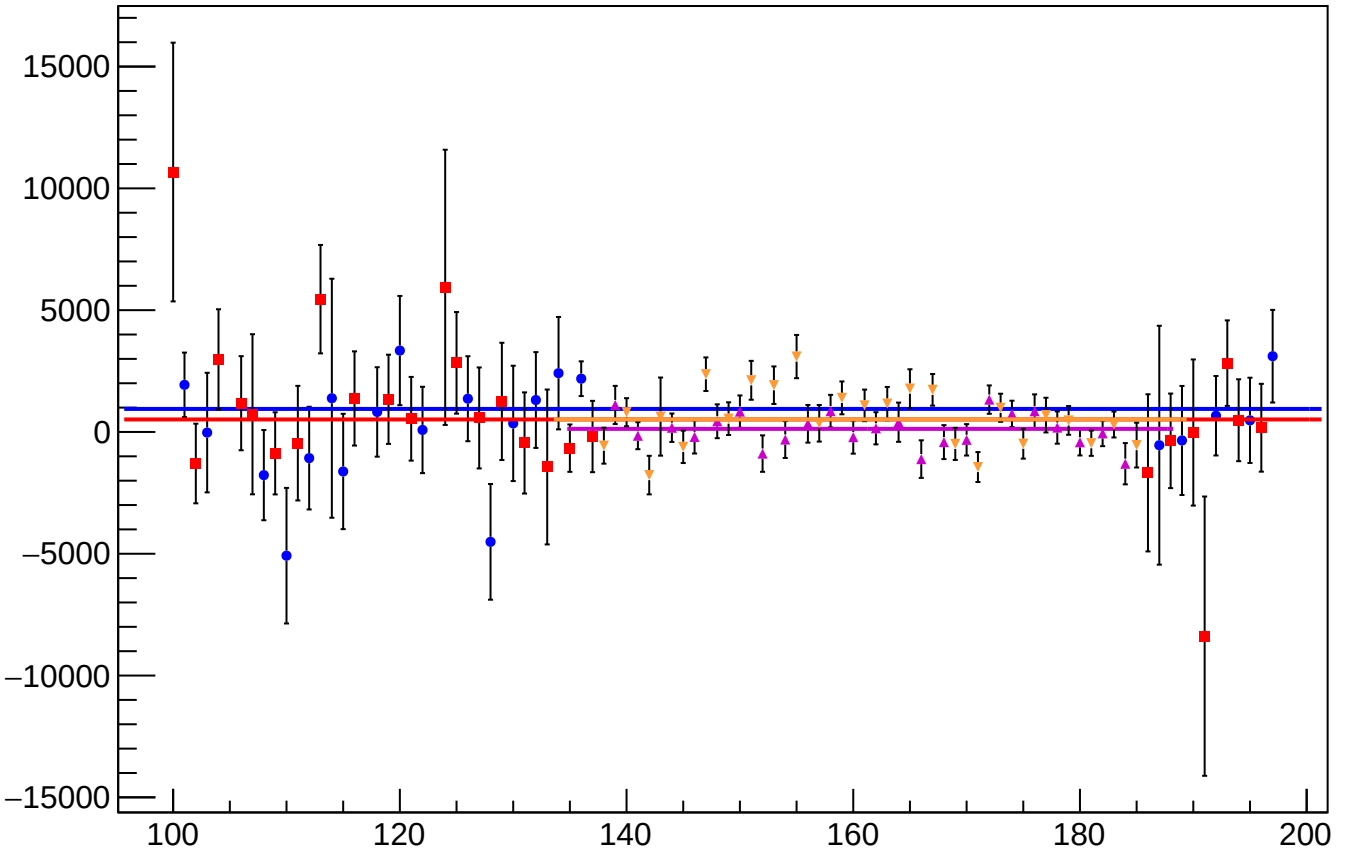
Right Out: 1283.835+/-0.270 χ^2/NDF: 468310.2/25

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1252.472+/-0.163 χ^2/NDF: 730271.1/45

All: 1252.218+/-0.115 χ^2/NDF: 1259827.5/94

- sign 1251.964+/-0.163 χ^2/NDF: 529551.5/48



Right In: 945.510+/-385.336 χ^2/NDF: 21.7/20

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

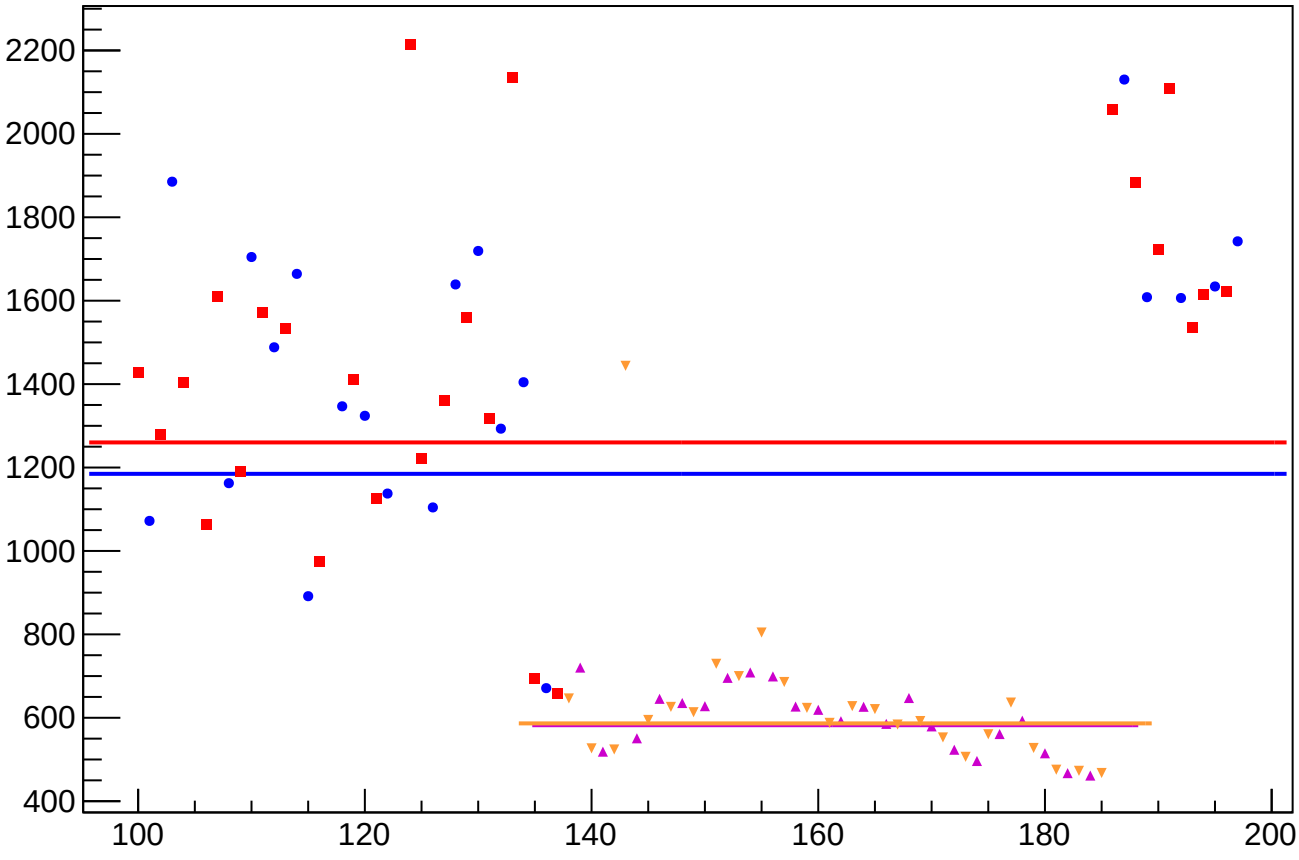
Right Out: 513.469+/-387.589 χ^2/NDF: 22.0/25

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 564.123+/-128.034 χ^2/NDF: 89.9/45

All: 368.985+/-91.010 χ^2/NDF: 139.0/94

- sign 169.688+/-129.391 χ^2/NDF: 44.5/48



Right In: 1184.875+/-0.272 χ^2/NDF: 2188879.6/20

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1260.190+/-0.274 χ^2/NDF: 2094204.0/25

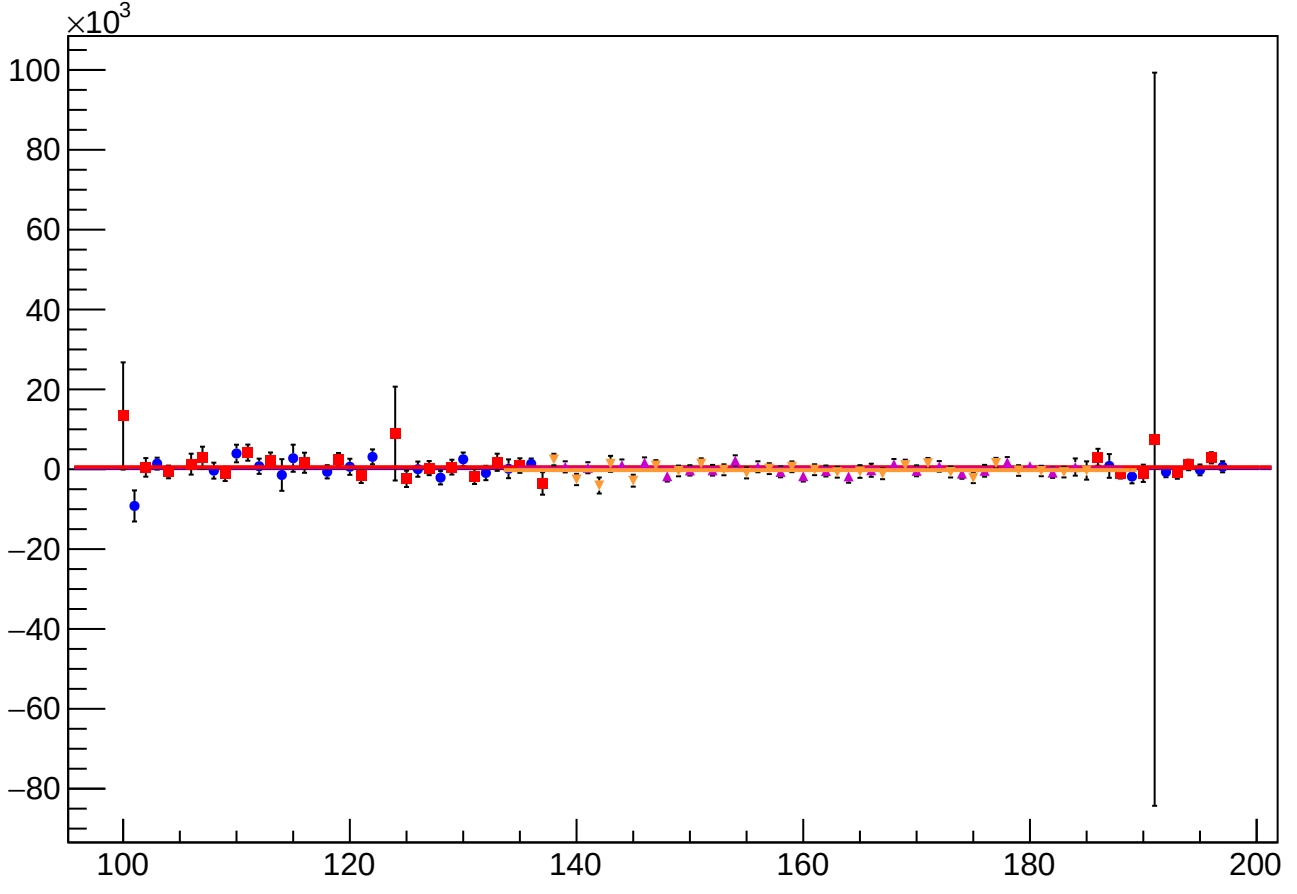
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 652.612+/-0.091 χ^2/NDF: 7681327.4/45

All: 655.154+/-0.064 χ^2/NDF: 15774270.0/94

- sign 657.751+/-0.091 χ^2/NDF: 8091348.1/48

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 279.005+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 511.047+/-381.693 χ^2/NDF: 23.9/25

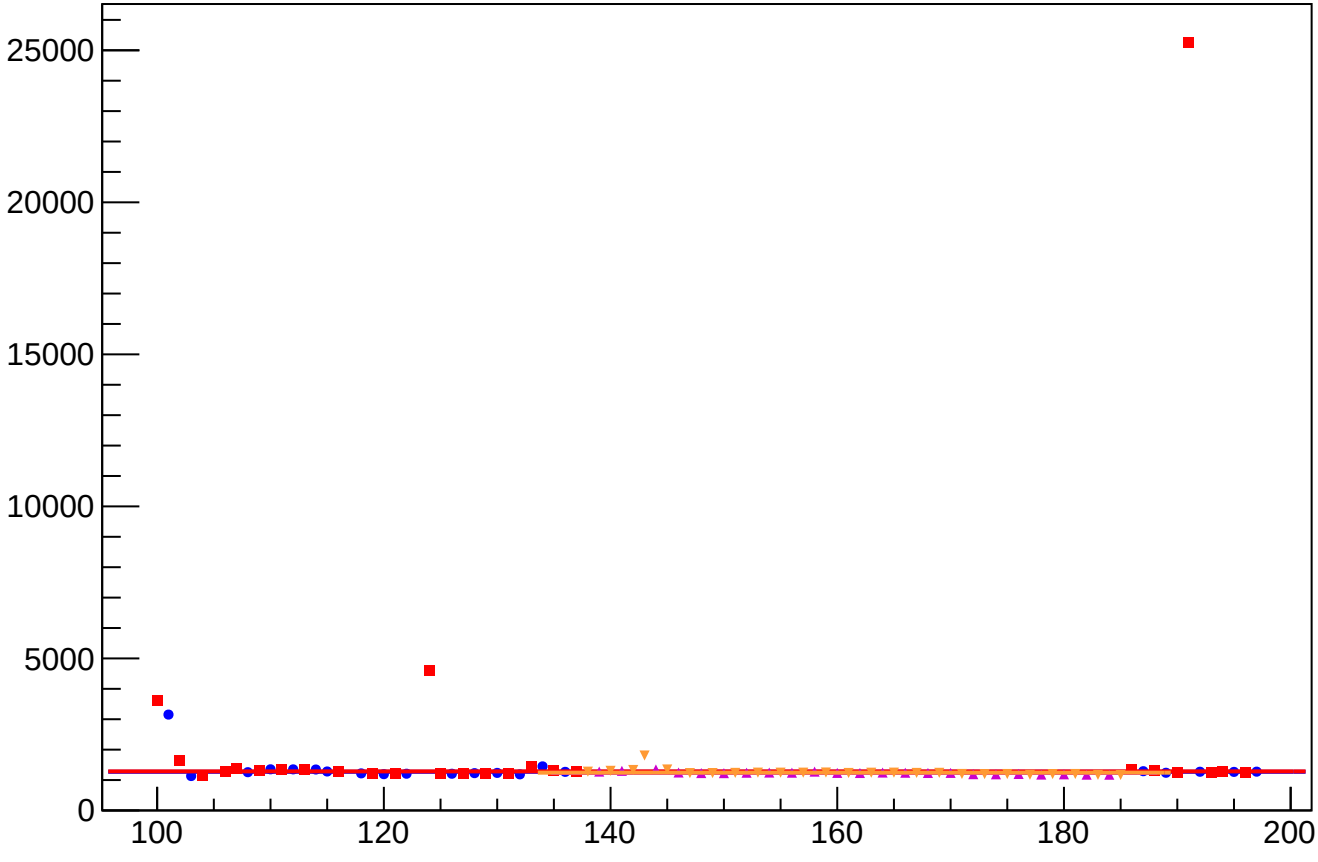
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -51.040+/-230.025 χ^2/NDF: 44.8/45

All: 96.725+/-162.647 χ^2/NDF: 85.0/94

- sign 244.469+/-230.009 χ^2/NDF: 39.4/48

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1271.232+/-0.279 χ^2/NDF: 520132.6/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

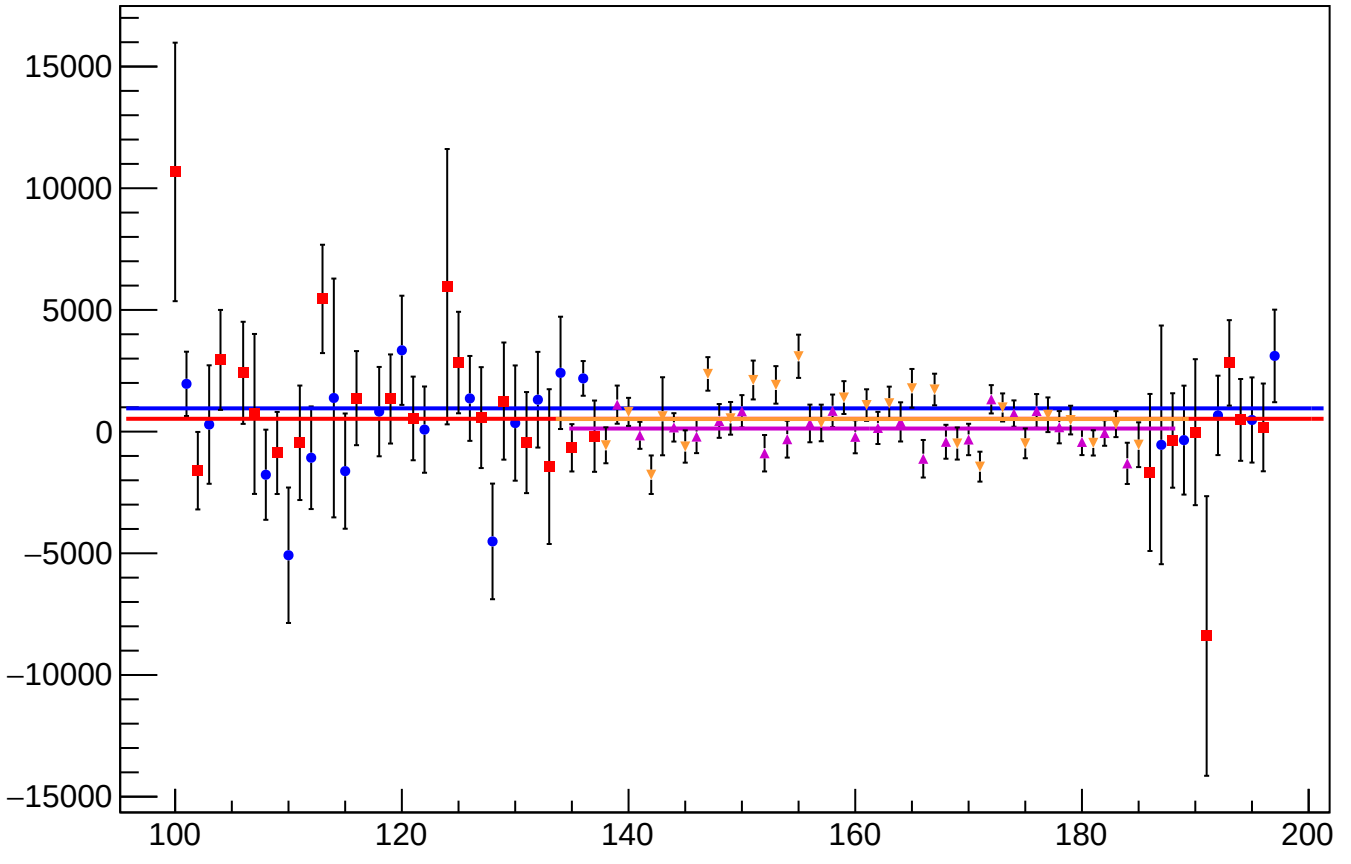
Right Out: 1285.278+/-0.270 χ^2/NDF: 474925.1/25

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.472+/-0.163 χ^2/NDF: 730272.5/45

All: 1252.467+/-0.115 χ^2/NDF: 1267690.5/94

- sign 1252.463+/-0.163 χ^2/NDF: 537418.0/48



Right In: 955.646+/-385.205 χ^2/NDF: 21.7/20

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

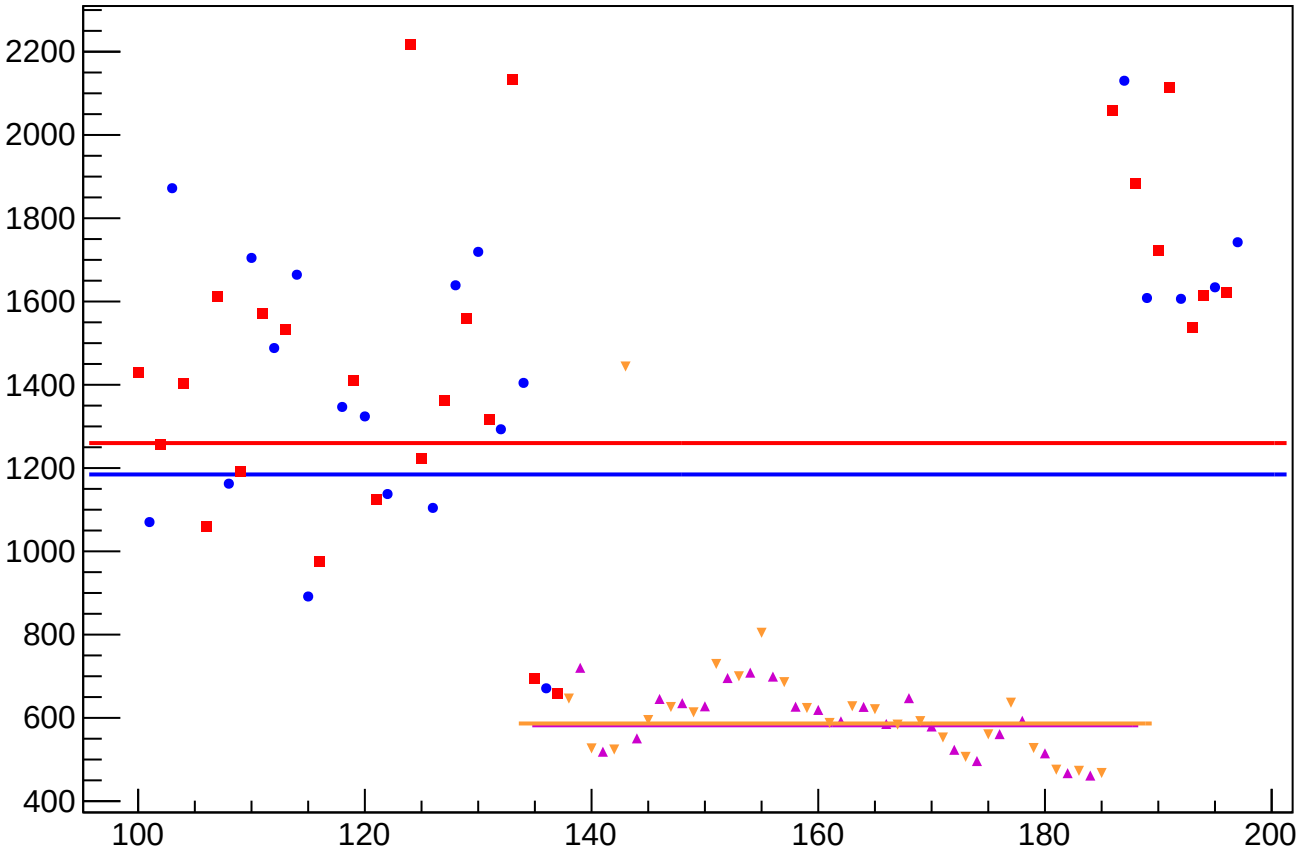
Right Out: 526.910+/-388.175 χ^2/NDF: 23.3/25

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 565.289+/-128.030 χ^2/NDF: 89.9/45

All: 370.286+/-91.016 χ^2/NDF: 140.3/94

\- sign 171.048+/-129.413 χ^2/NDF: 45.8/48



Right In: 1184.650+/-0.272 χ^2/NDF: 2185903.9/20

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

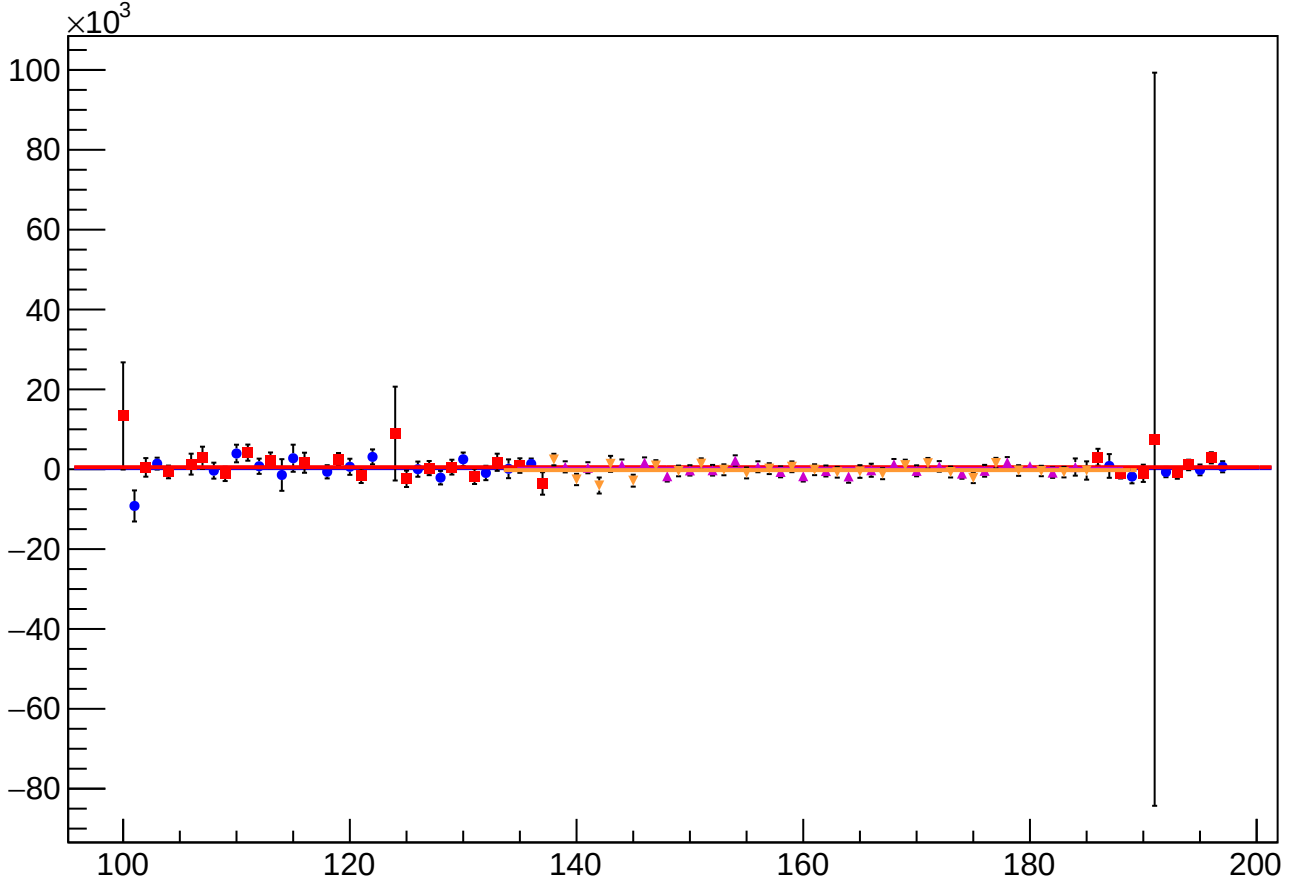
Right Out: 1260.008+/-0.274 χ^2/NDF: 2091705.9/25

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 652.632+/-0.091 χ^2/NDF: 7677539.1/45

All: 655.053+/-0.064 χ^2/NDF: 15750354.3/94

- sign 657.526+/-0.092 χ^2/NDF: 8071369.4/48



Right In: 279.005+/-394.726 χ^2/NDF: 19.8/20

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 511.047+/-381.693 χ^2/NDF: 23.9/25

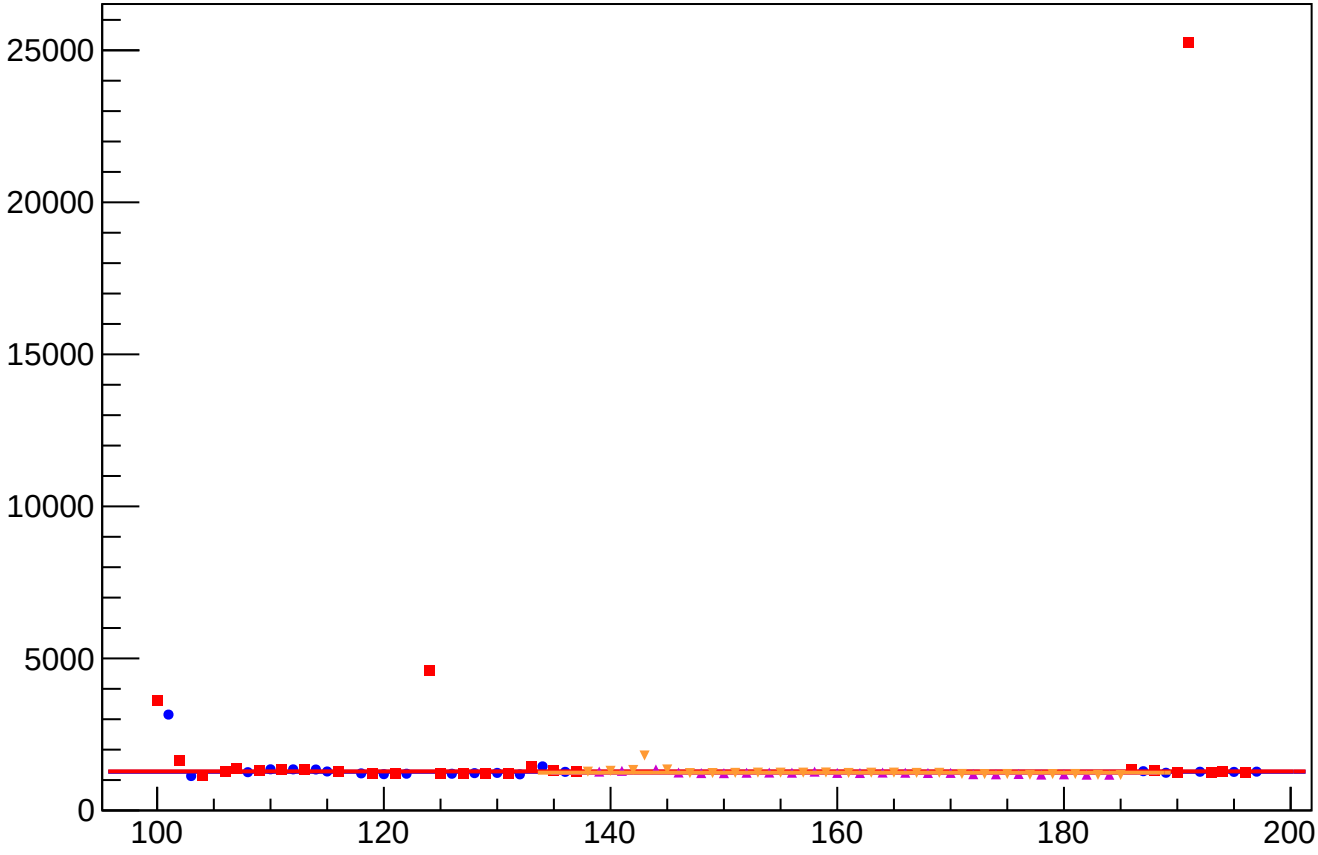
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -51.040+/-230.025 χ^2/NDF: 44.8/45

All: 96.725+/-162.647 χ^2/NDF: 85.0/94

- sign 244.469+/-230.009 χ^2/NDF: 39.4/48

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1271.232+/-0.279 χ^2/NDF: 520132.6/20

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

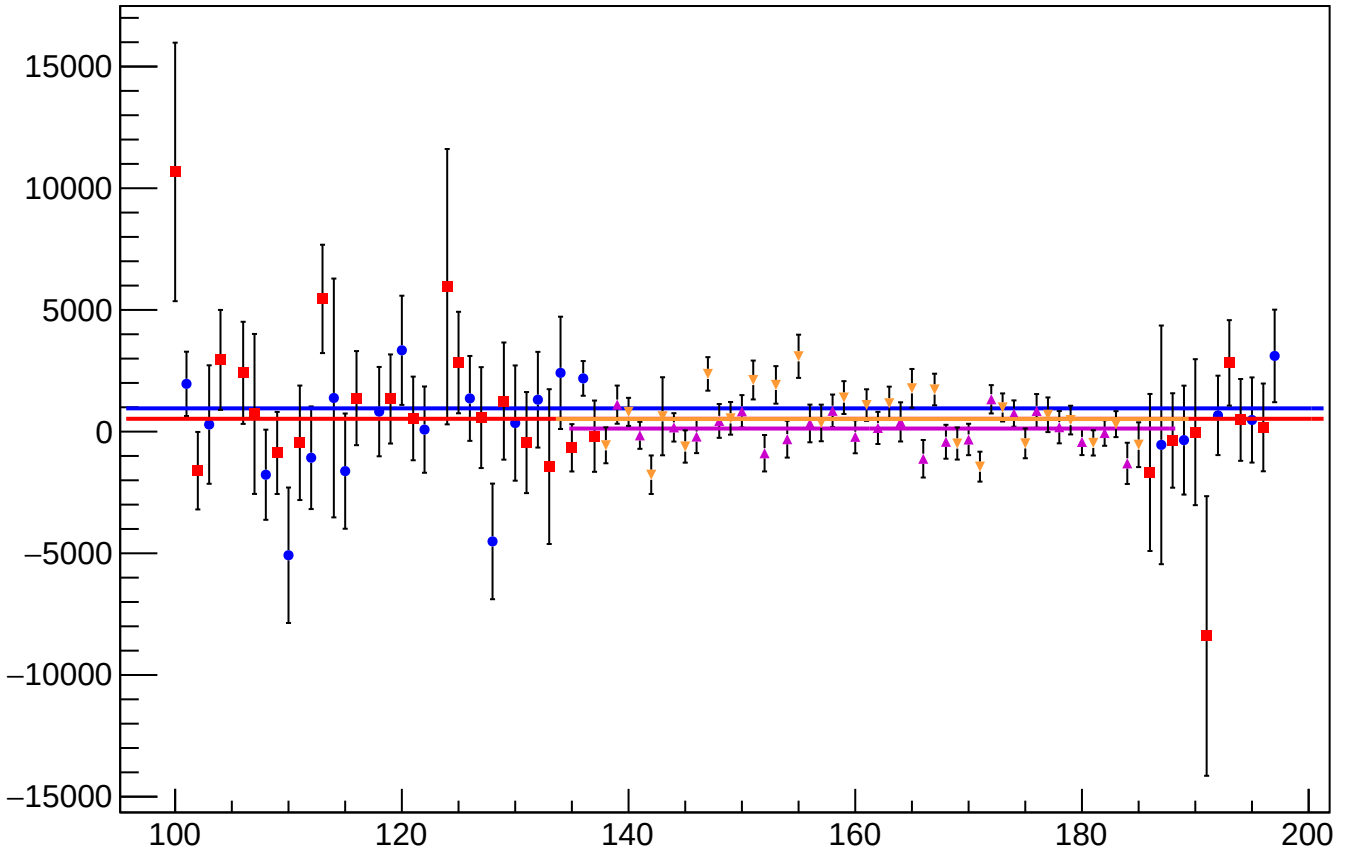
Right Out: 1285.278+/-0.270 χ^2/NDF: 474925.1/25

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1252.472+/-0.163 χ^2/NDF: 730272.5/45

All: 1252.467+/-0.115 χ^2/NDF: 1267690.5/94

- sign 1252.463+/-0.163 χ^2/NDF: 537418.0/48



Right In: 955.646+/-385.205 χ^2/NDF: 21.7/20

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

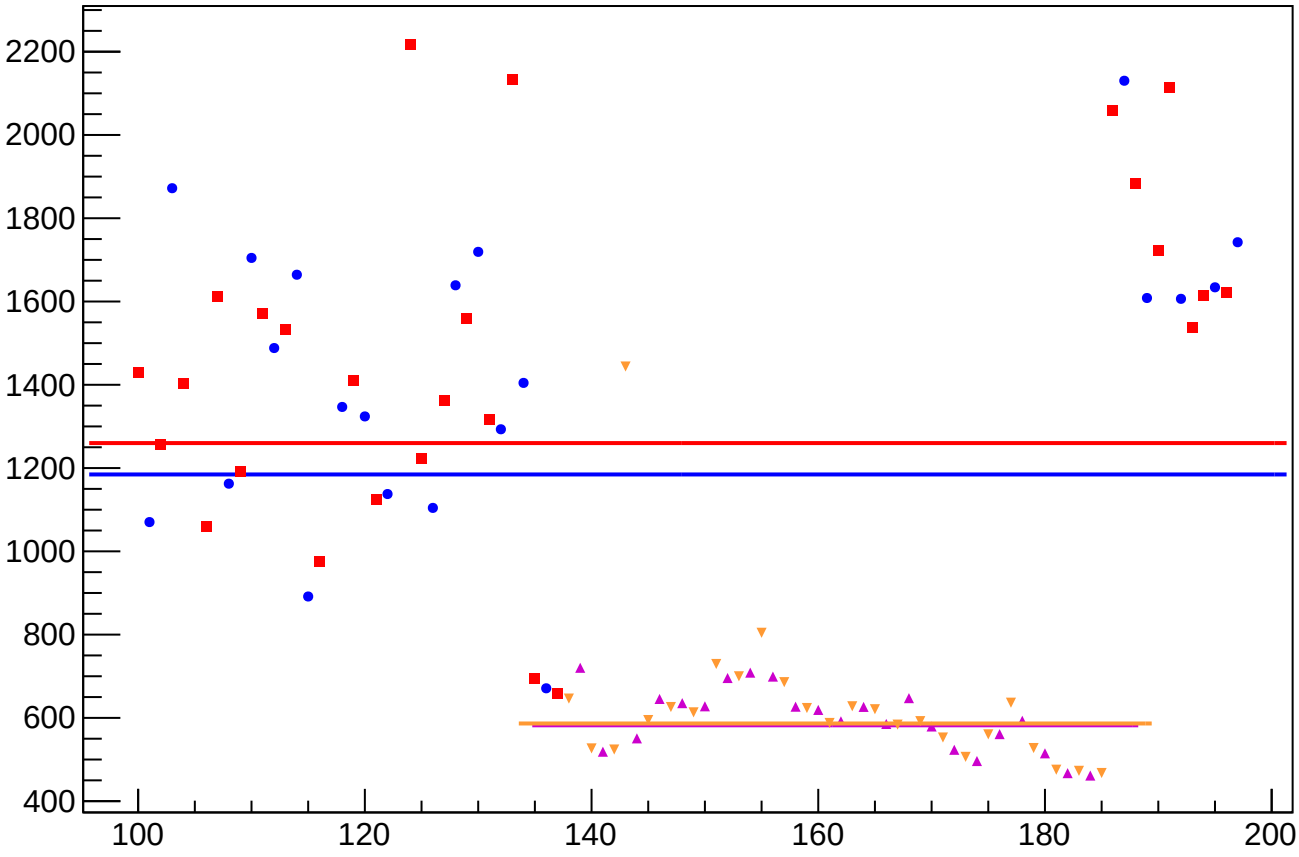
Right Out: 526.910+/-388.175 χ^2/NDF: 23.3/25

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 565.289+/-128.030 χ^2/NDF: 89.9/45

All: 370.286+/-91.016 χ^2/NDF: 140.3/94

\- sign 171.048+/-129.413 χ^2/NDF: 45.8/48



Right In: 1184.650+/-0.272 χ^2/NDF: 2185903.9/20

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1260.008+/-0.274 χ^2/NDF: 2091705.9/25

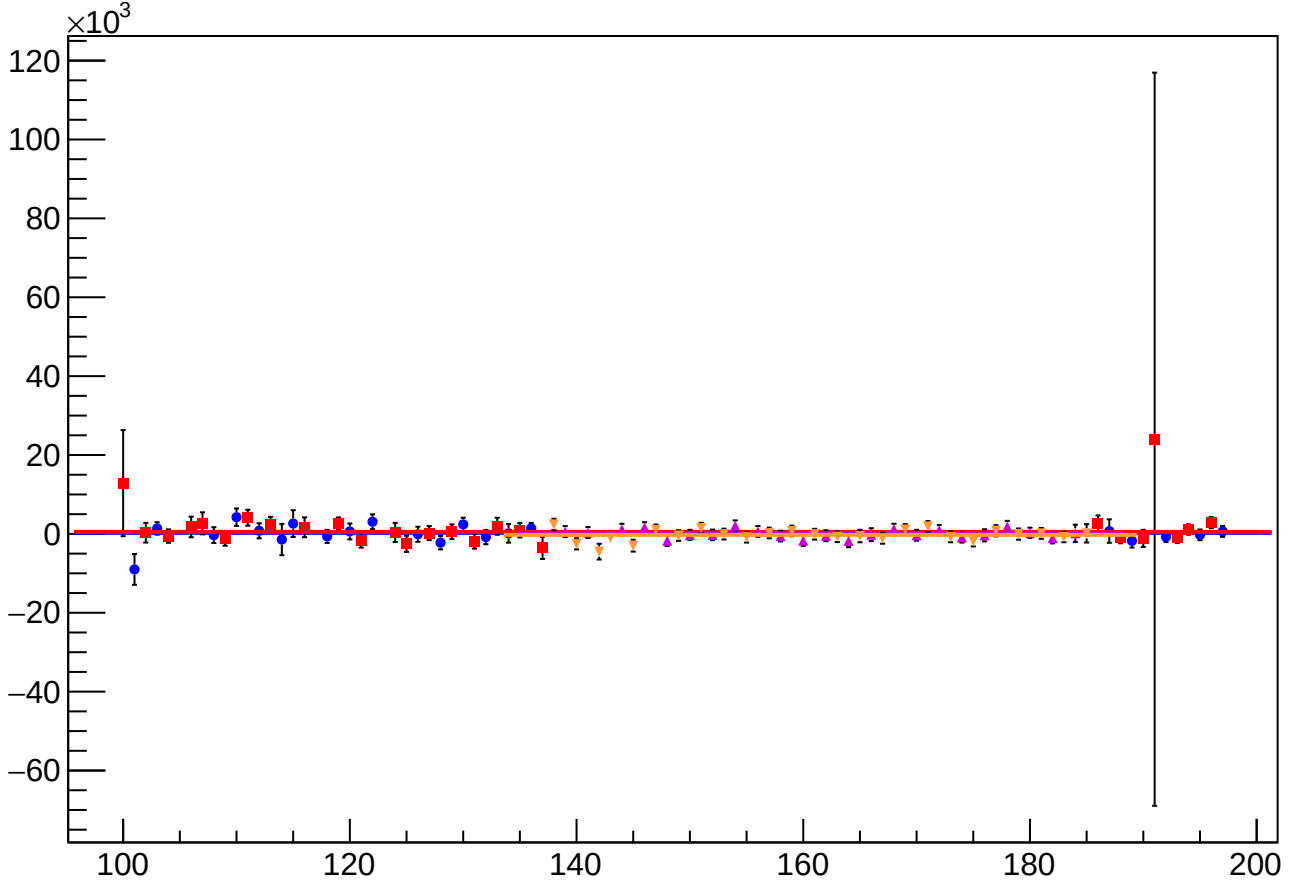
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 652.632+/-0.091 χ^2/NDF: 7677539.1/45

All: 655.053+/-0.064 χ^2/NDF: 15750354.3/94

- sign 657.526+/-0.092 χ^2/NDF: 8071369.4/48

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 272.531+/-396.650 χ^2/NDF: 19.8/20

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 504.105+/-379.649 χ^2/NDF: 23.5/25

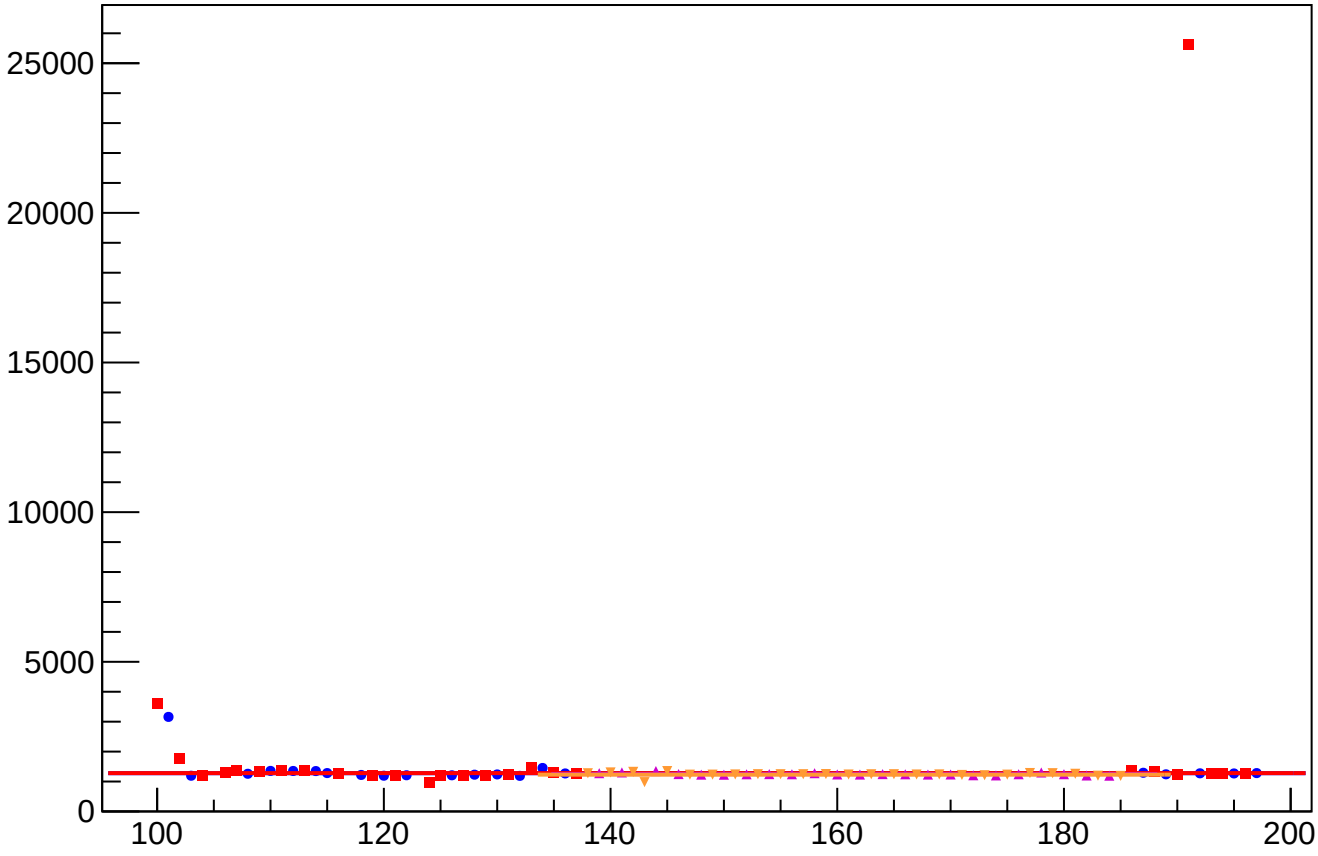
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -76.846+/-228.706 χ^2/NDF: 45.0/45

All: 76.922+/-162.590 χ^2/NDF: 84.2/94

- sign 234.045+/-231.187 χ^2/NDF: 38.3/48

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1277.765+/-0.280 χ^2/NDF: 508257.2/20

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

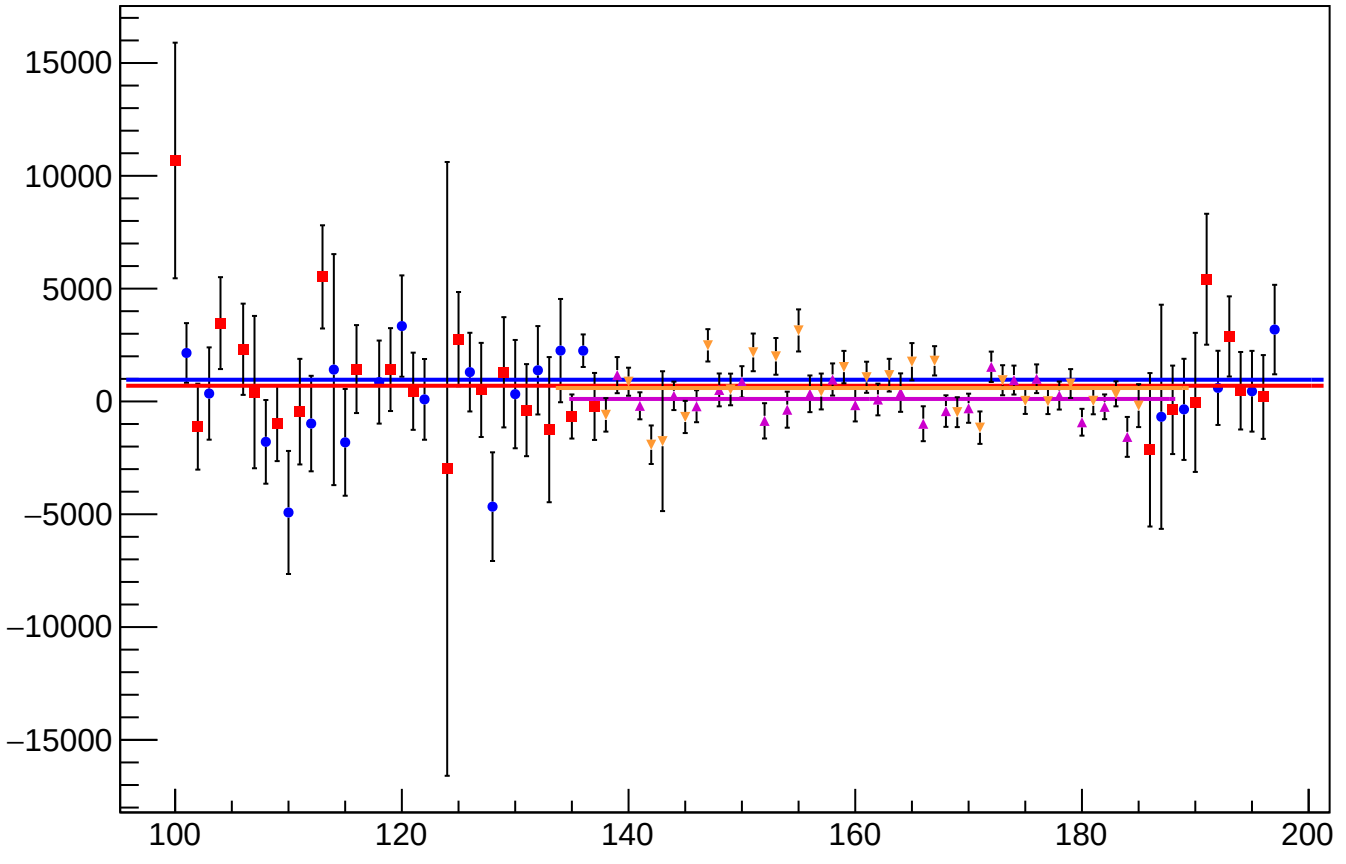
Right Out: 1281.098+/-0.268 χ^2/NDF: 368618.3/25

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1245.871+/-0.162 χ^2/NDF: 669236.5/45

All: 1252.928+/-0.115 χ^2/NDF: 1078733.9/94

- sign 1260.138+/-0.163 χ^2/NDF: 405647.7/48



Right In: 962.303+/-386.132 χ^2/NDF: 22.3/20

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

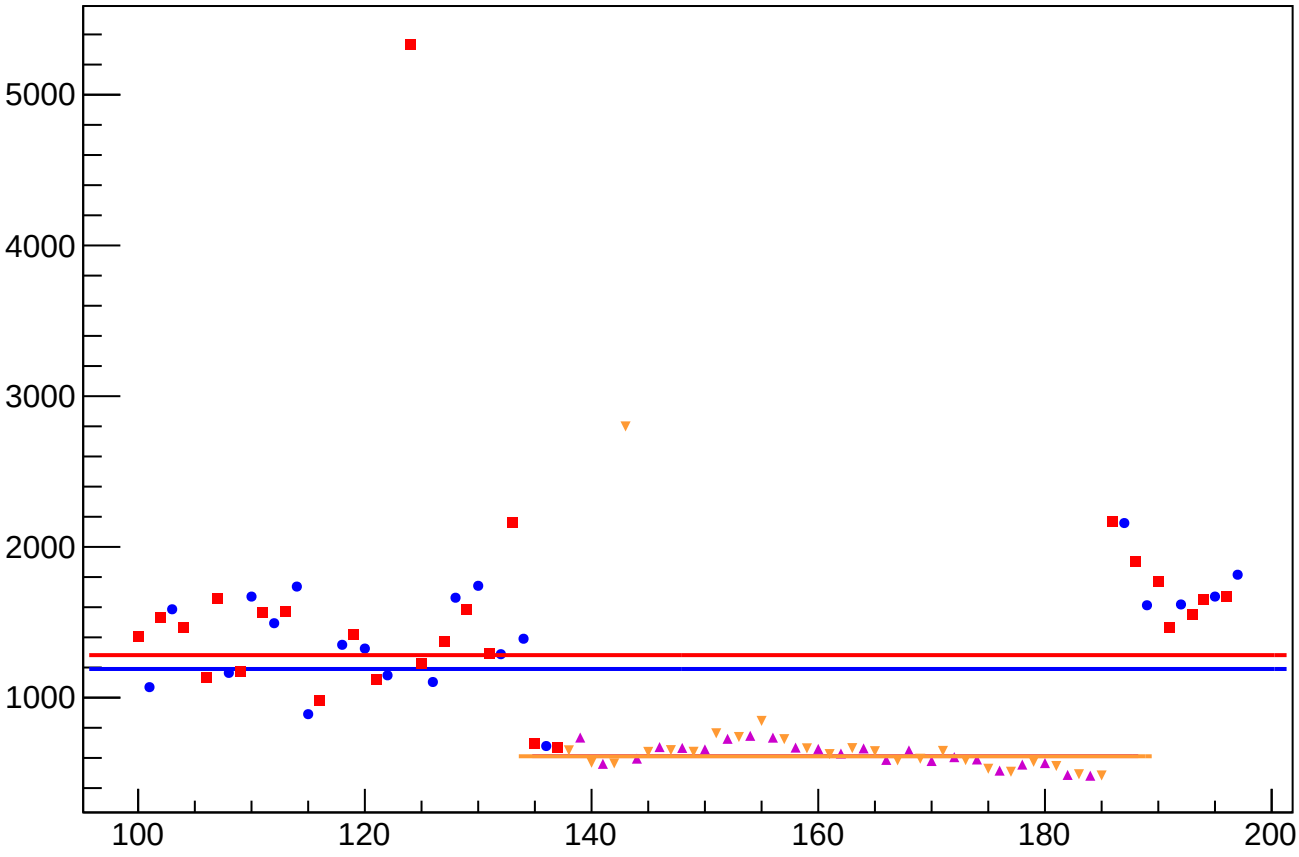
Right Out: 695.390+/-392.090 χ^2/NDF: 22.5/25

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 638.827+/-133.382 χ^2/NDF: 80.4/45

All: 412.795+/-95.008 χ^2/NDF: 136.4/94

- sign 179.994+/-135.364 χ^2/NDF: 50.1/48



Right In: 1190.182+/-0.273 χ^2/NDF: 2112321.0/20

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1282.071+/-0.277 χ^2/NDF: 2271097.3/25

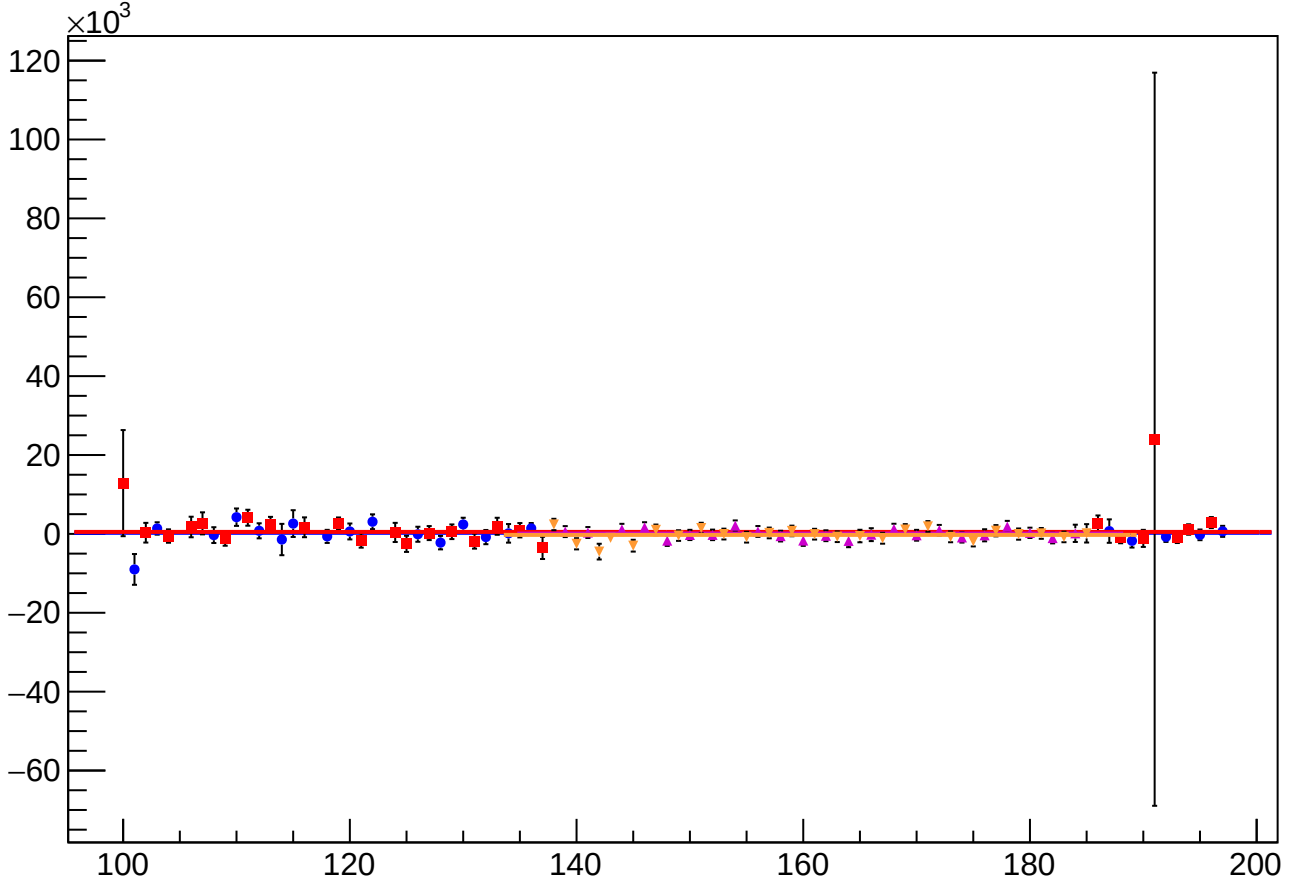
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 680.185+/-0.094 χ^2/NDF: 7693299.5/45

All: 686.112+/-0.067 χ^2/NDF: 15619858.0/94

- sign 692.217+/-0.096 χ^2/NDF: 7918542.5/48

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 272.532+/-396.650 χ^2/NDF: 19.8/20

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 504.105+/-379.649 χ^2/NDF: 23.5/25

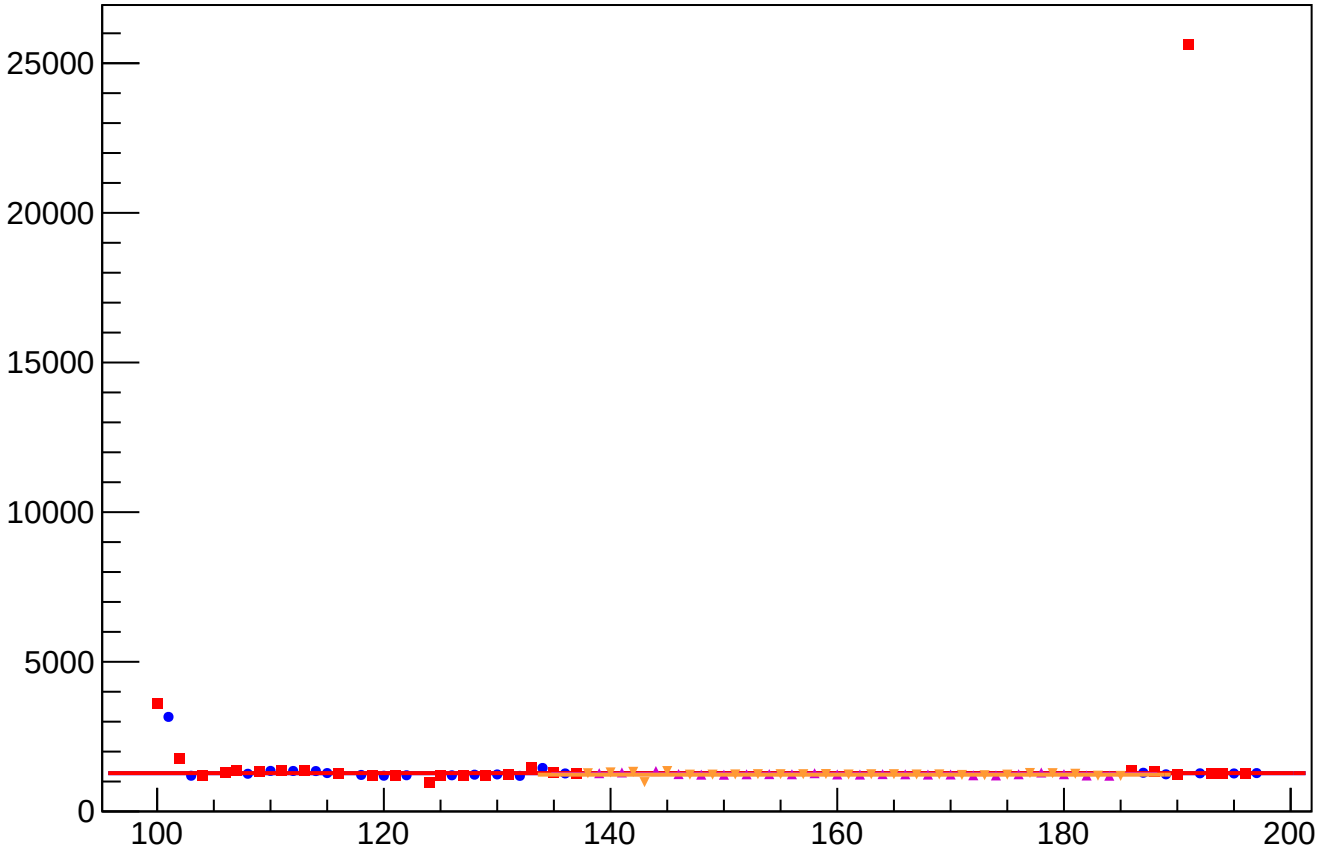
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -76.847+/-228.706 χ^2/NDF: 45.0/45

All: 76.922+/-162.590 χ^2/NDF: 84.2/94

- sign 234.045+/-231.187 χ^2/NDF: 38.3/48

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1277.765+/-0.280 χ^2/NDF: 508257.4/20

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

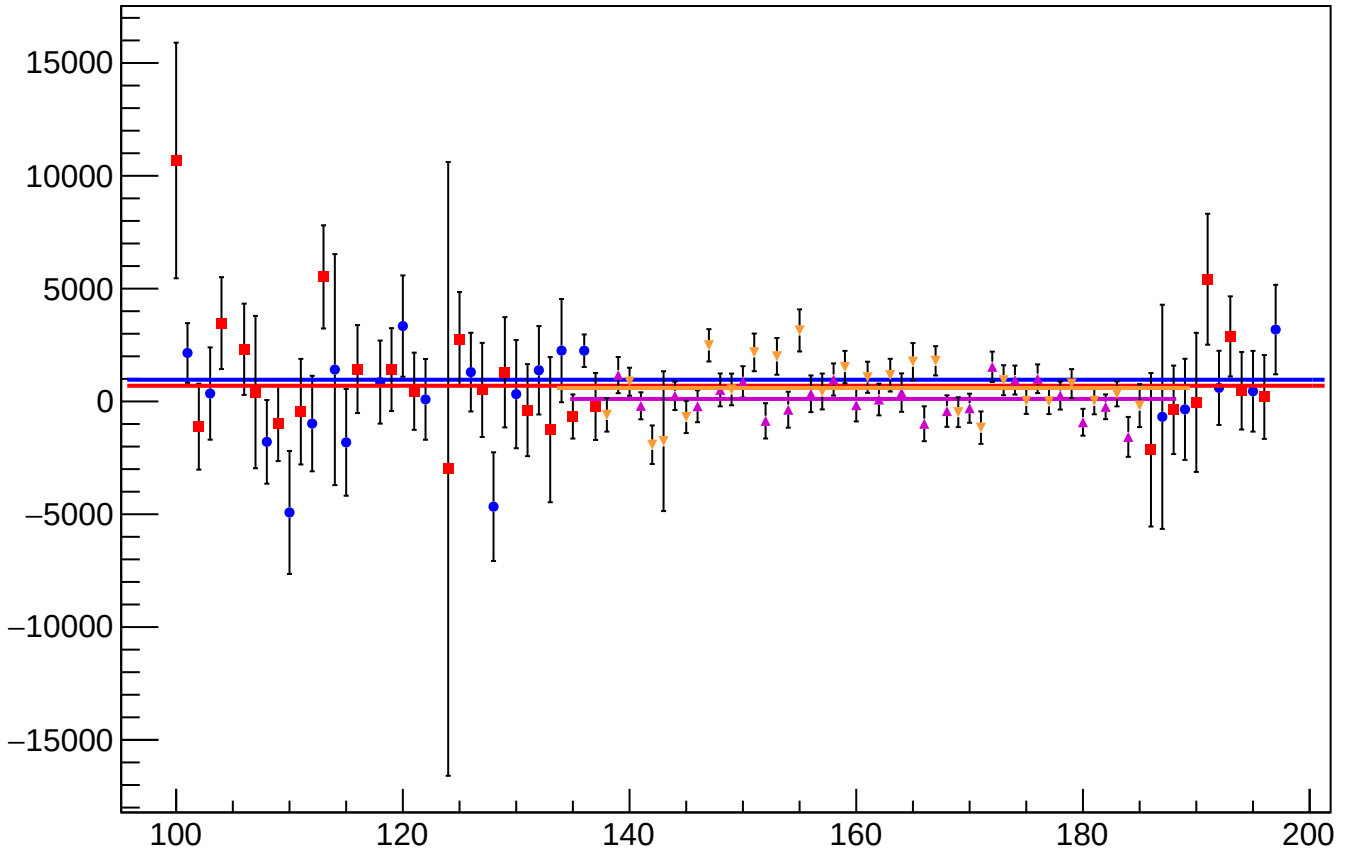
Right Out: 1281.098+/-0.268 χ^2/NDF: 368618.2/25

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1245.871+/-0.162 χ^2/NDF: 669235.6/45

All: 1252.927+/-0.115 χ^2/NDF: 1078732.9/94

- sign 1260.138+/-0.163 χ^2/NDF: 405647.6/48



Right In: 962.299+/-386.133 χ^2/NDF: 22.3/20

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

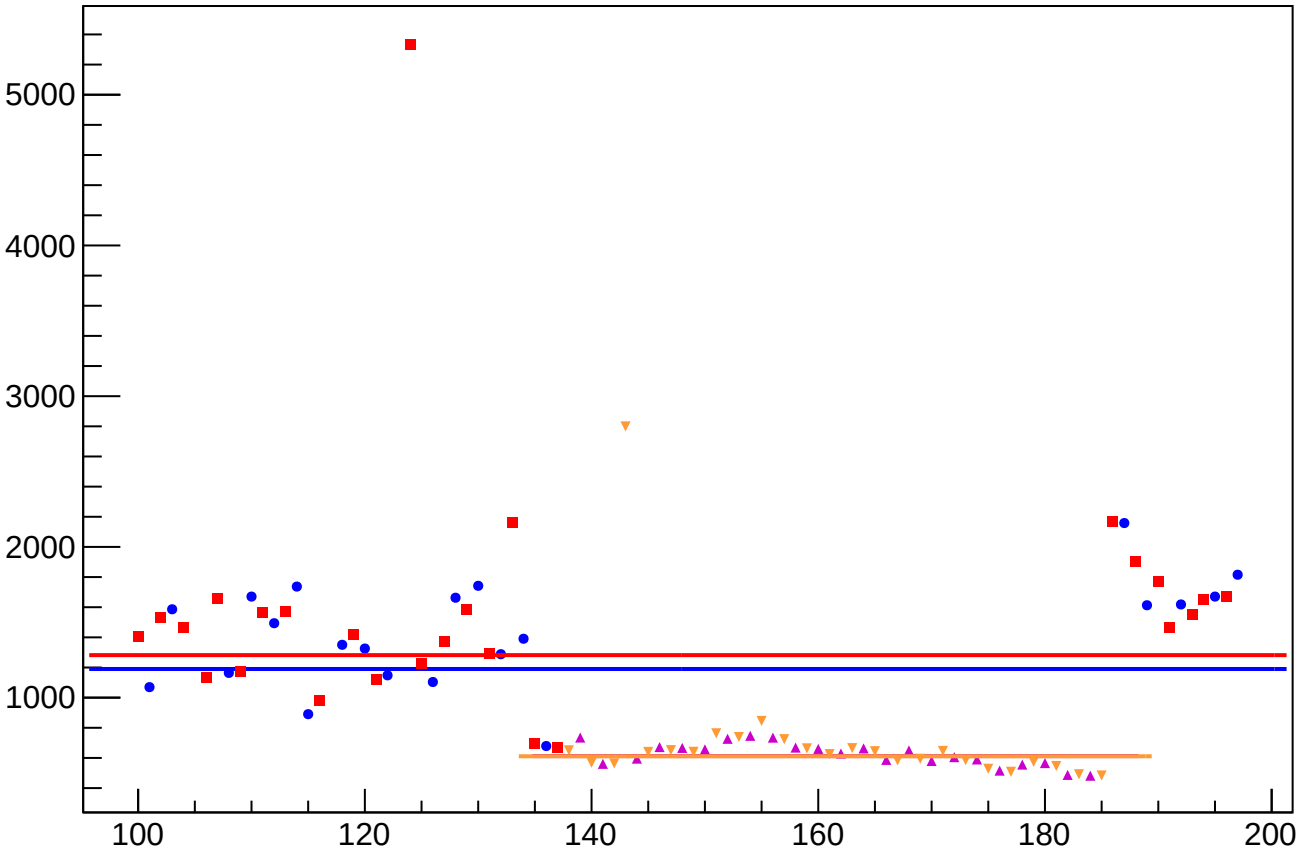
Right Out: 695.400+/-392.091 χ^2/NDF: 22.5/25

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 638.827+/-133.382 χ^2/NDF: 80.4/45

All: 412.795+/-95.008 χ^2/NDF: 136.4/94

- sign 179.994+/-135.364 χ^2/NDF: 50.1/48



Right In: 1190.188+/-0.273 χ^2/NDF: 2112242.6/20

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1282.077+/-0.277 χ^2/NDF: 2271024.5/25

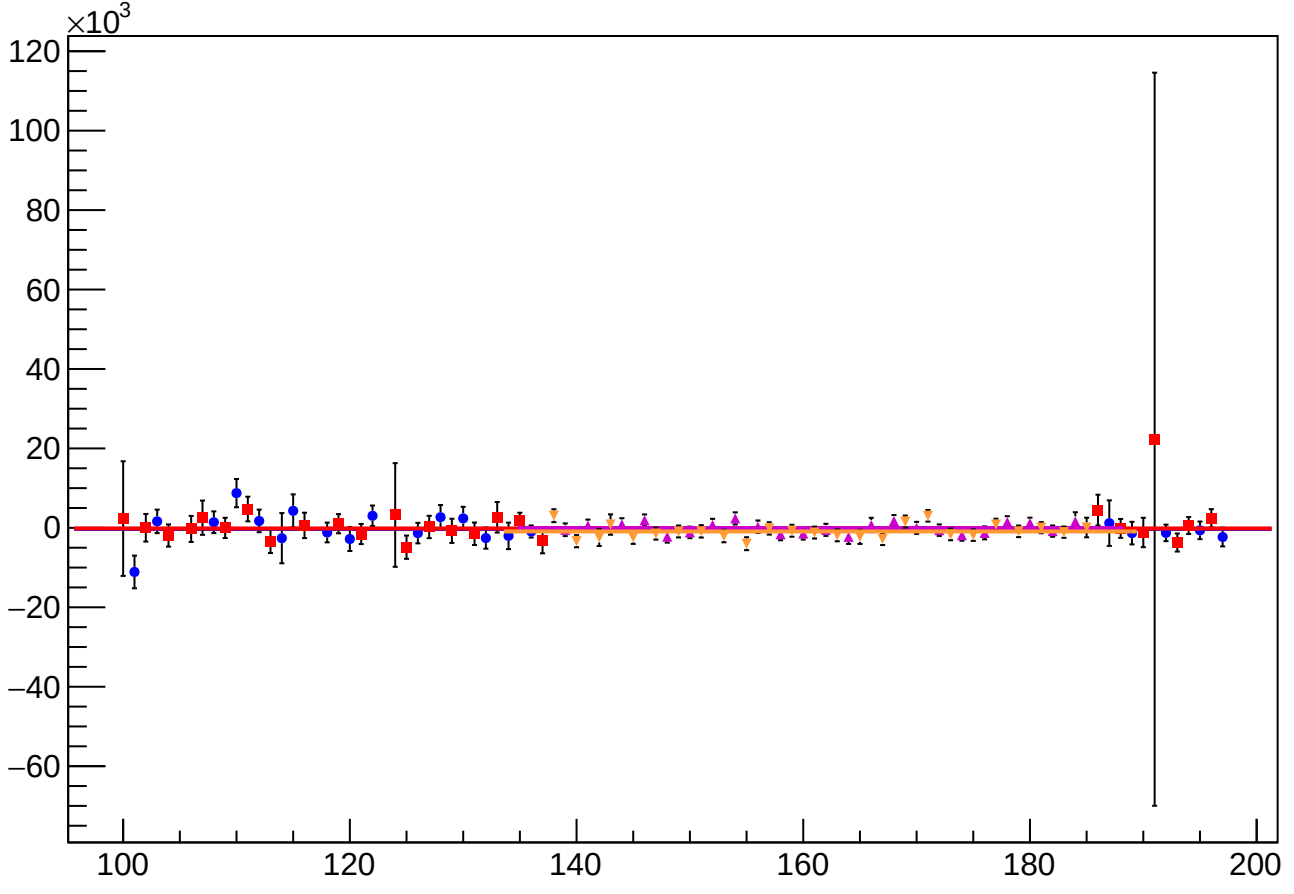
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 680.186+/-0.094 χ^2/NDF: 7693281.0/45

All: 686.112+/-0.067 χ^2/NDF: 15619846.7/94

- sign 692.216+/-0.096 χ^2/NDF: 7918550.4/48

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -267.405+/-596.131 χ^2/NDF: 22.8/20

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -157.636+/-581.141 χ^2/NDF: 15.7/25

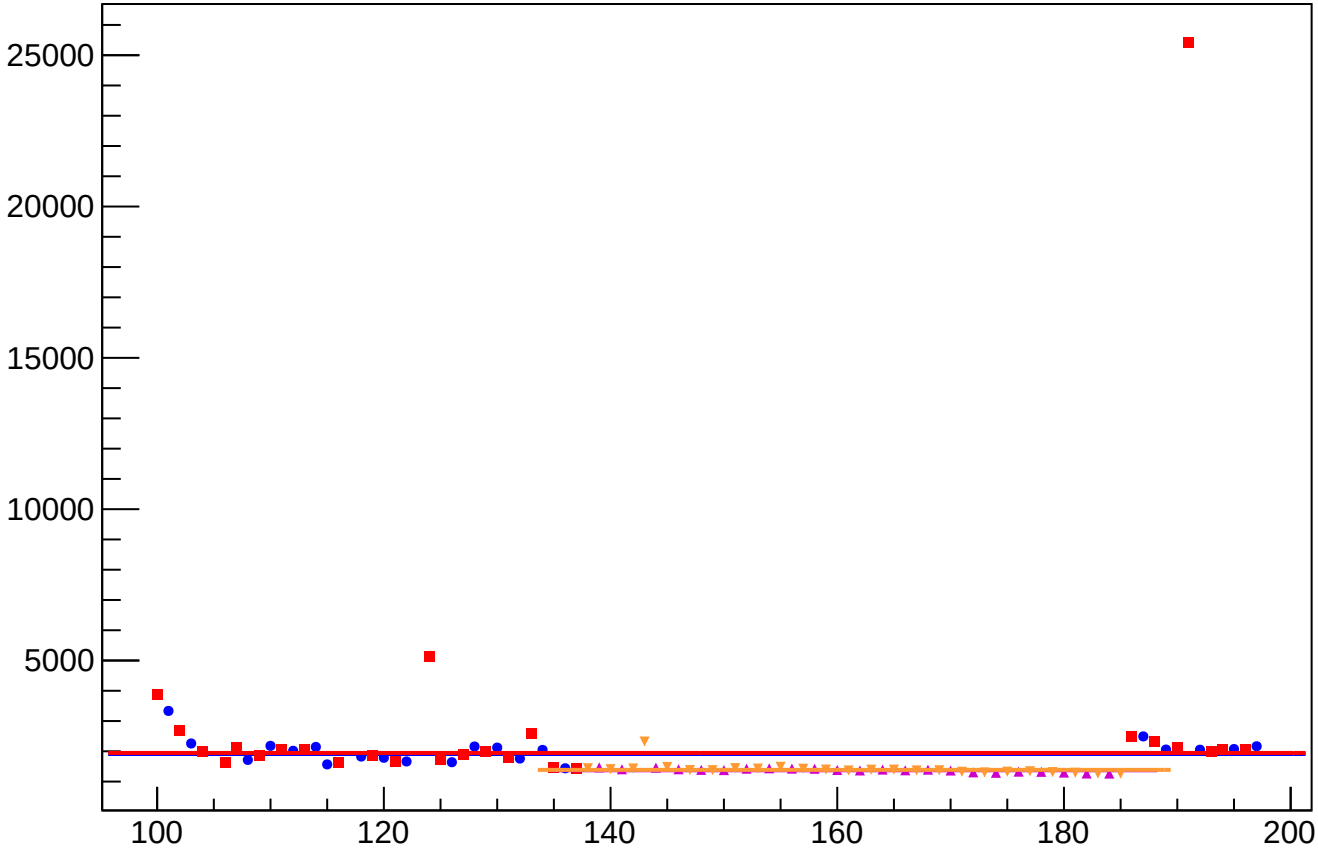
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -760.848+/-279.509 χ^2/NDF: 53.5/45

All: -419.054+/-198.146 χ^2/NDF: 90.1/94

- sign -73.758+/-280.937 χ^2/NDF: 33.6/48

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1911.160+/-0.422 χ^2/NDF: 647330.7/20

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

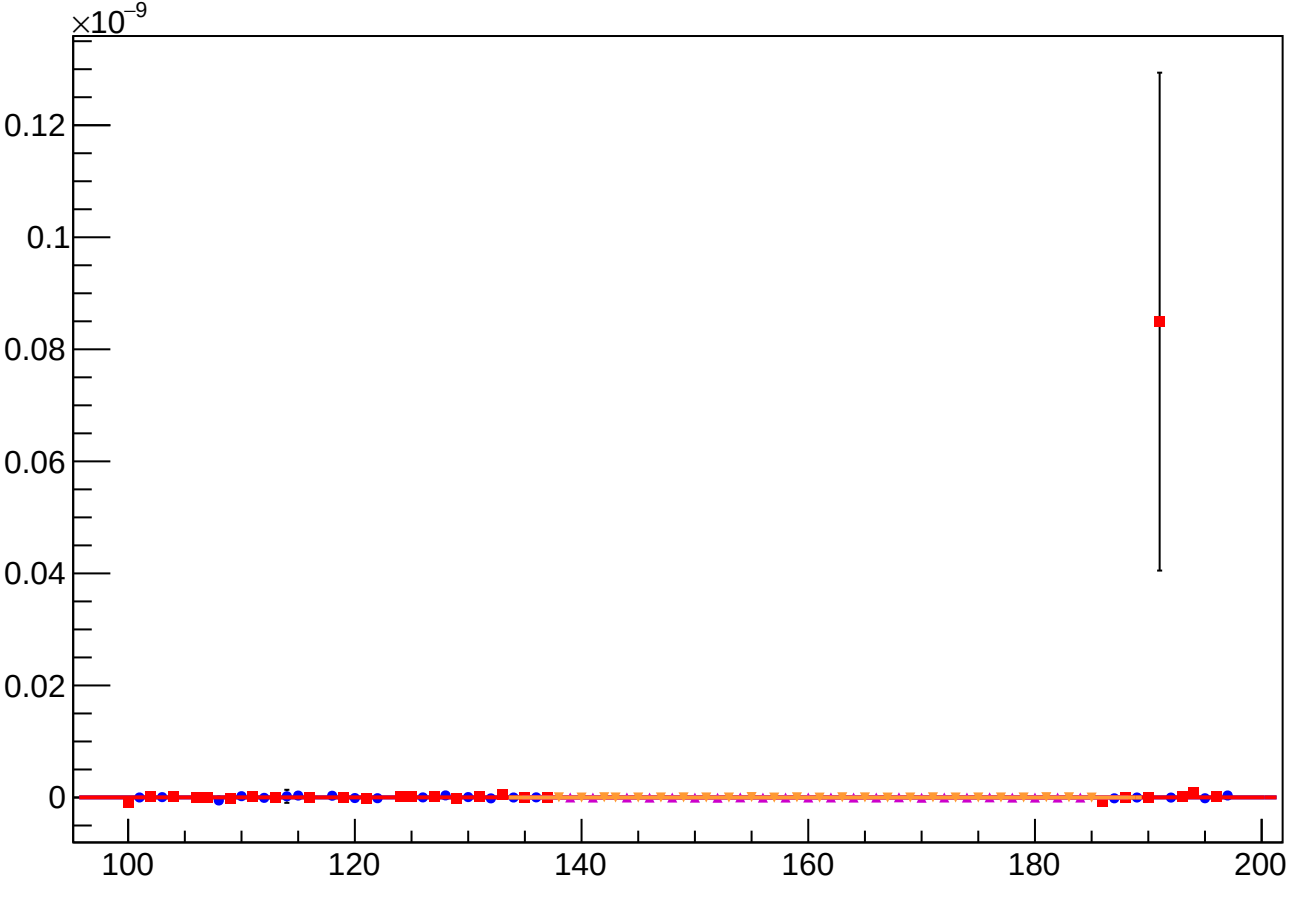
Right Out: 1945.800+/-0.411 χ^2/NDF: 788750.2/25

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1502.111+/-0.198 χ^2/NDF: 2194153.7/45

All: 1504.558+/-0.140 χ^2/NDF: 4535496.6/94

- sign 1507.030+/-0.199 χ^2/NDF: 2341034.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

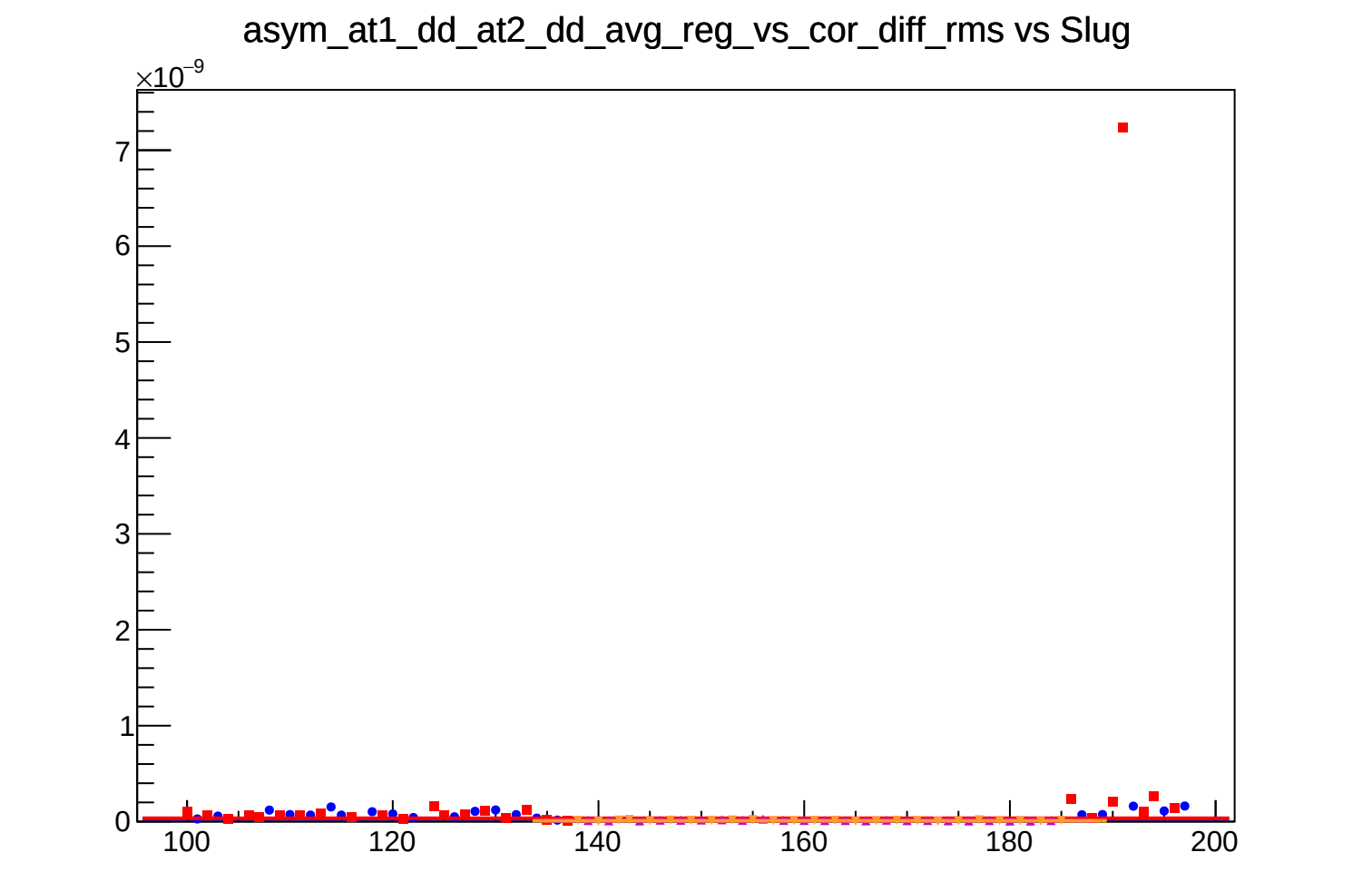
Right Out: 0.000+/-0.000 χ^2/NDF: 39.8/25

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.4/45

All: 0.000+/-0.000 χ^2/NDF: 99.6/94

- sign -0.000+/-0.000 χ^2/NDF: 54.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 4101673.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

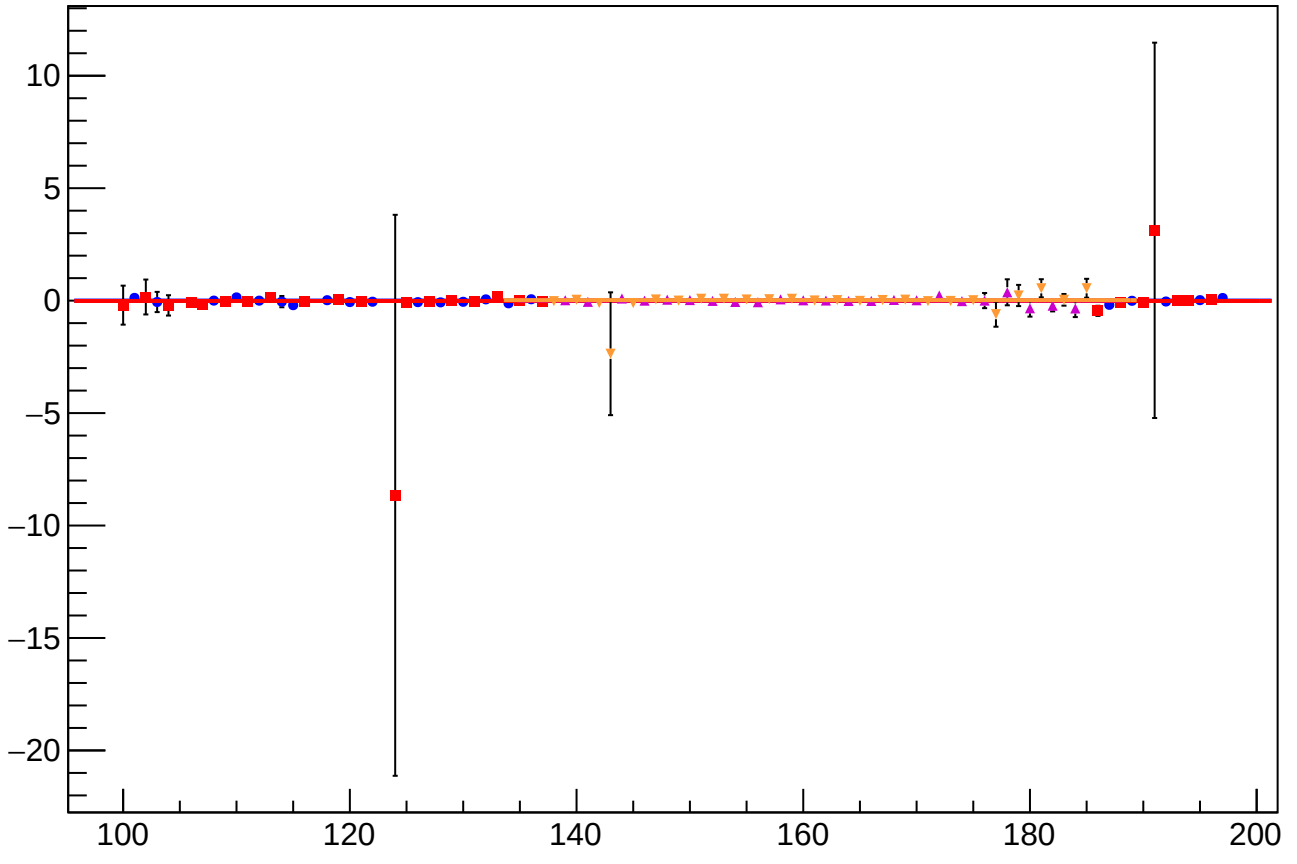
Right Out: 0.000+/-0.000 χ^2/NDF: 4304094.5/25

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8706210.3/45

All: 0.000+/-0.000 χ^2/NDF: 17092623.4/94

- sign 0.000+/-0.000 χ^2/NDF: 8118693.4/48



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

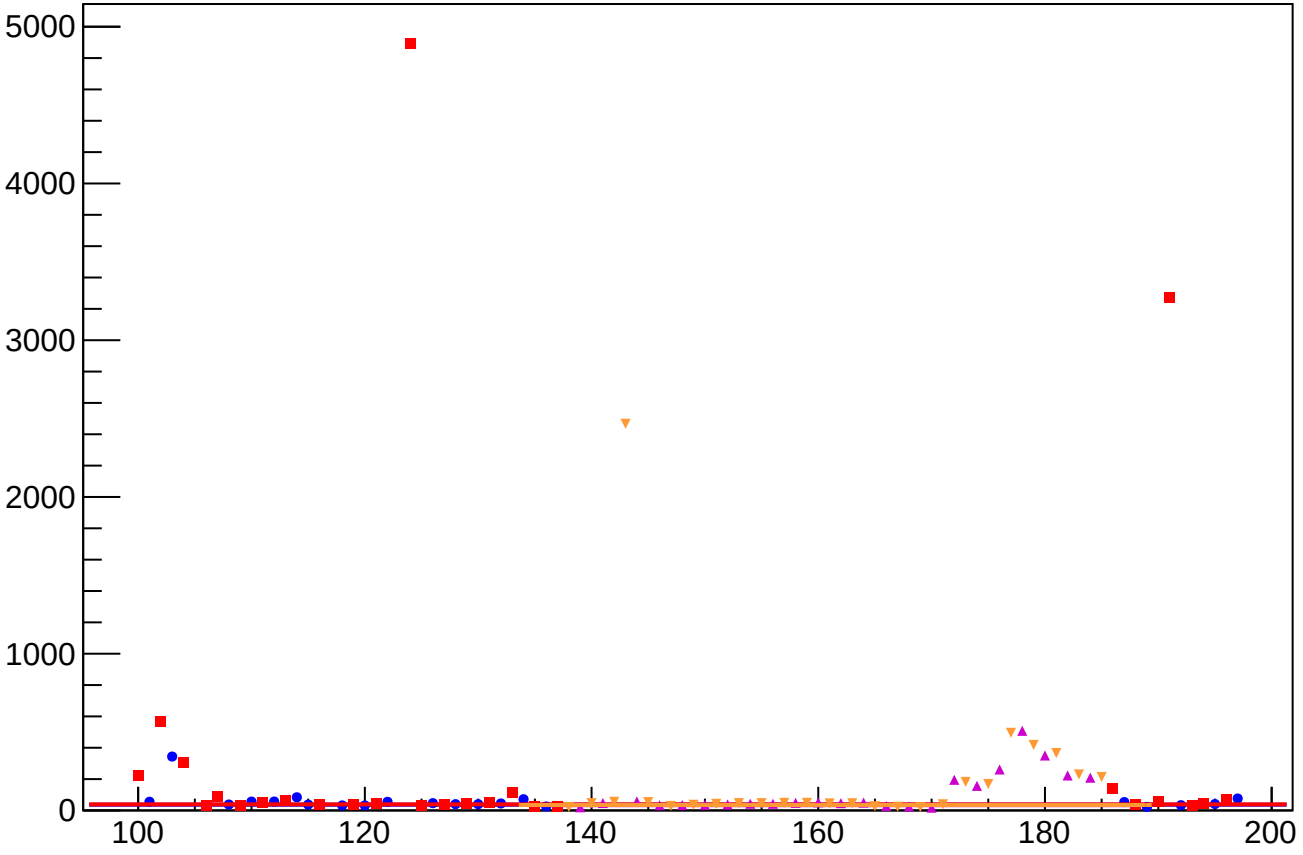
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.0/45

All: 0.008+/-0.006 χ^2/NDF: 88.7/94

- sign 0.001+/-0.008 χ^2/NDF: 38.0/48

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 36.716+/-0.009 χ^2/NDF: 2670680.1/20

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

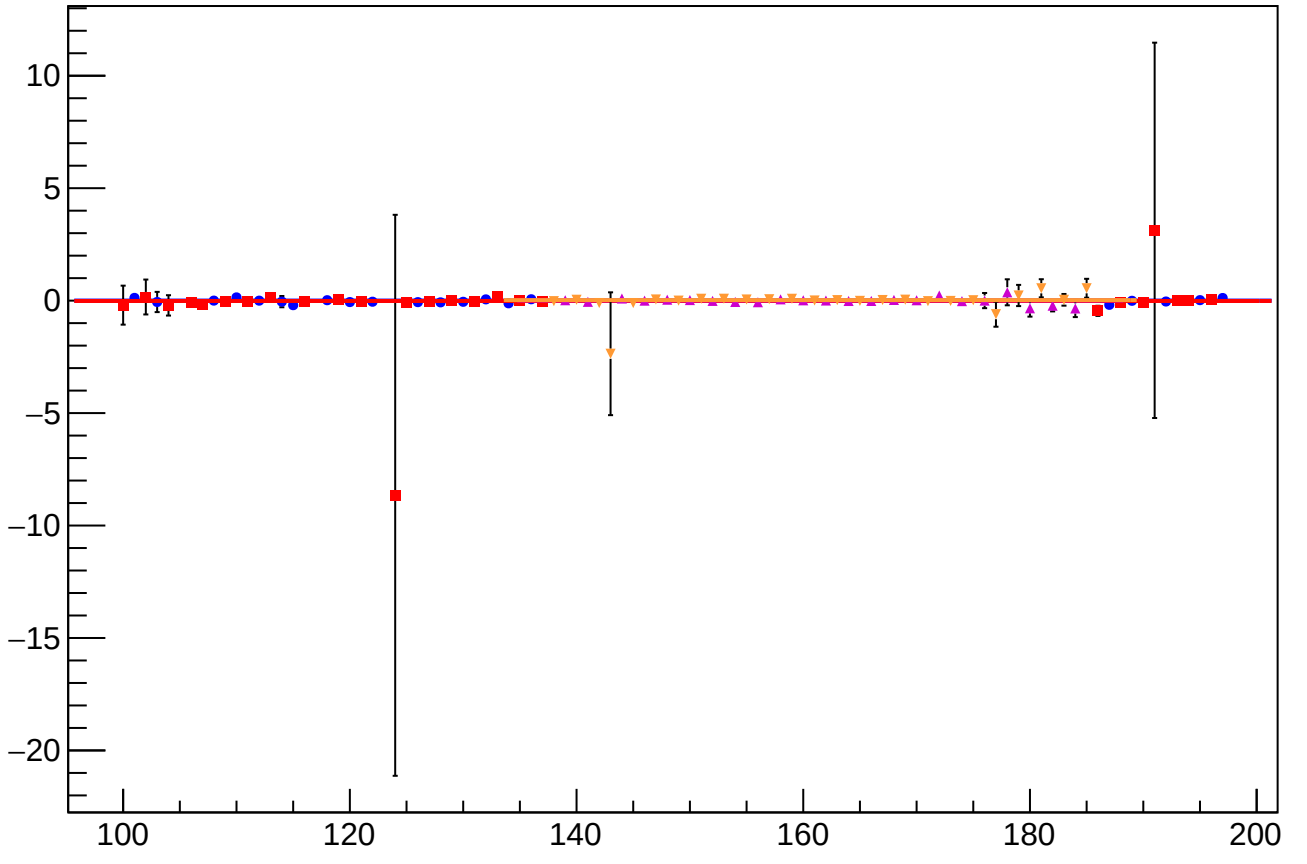
Right Out: 38.752+/-0.010 χ^2/NDF: 4394200.8/25

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.408+/-0.006 χ^2/NDF: 14104653.9/45

All: 35.406+/-0.004 χ^2/NDF: 28755552.8/94

- sign 35.404+/-0.006 χ^2/NDF: 14650898.6/48



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

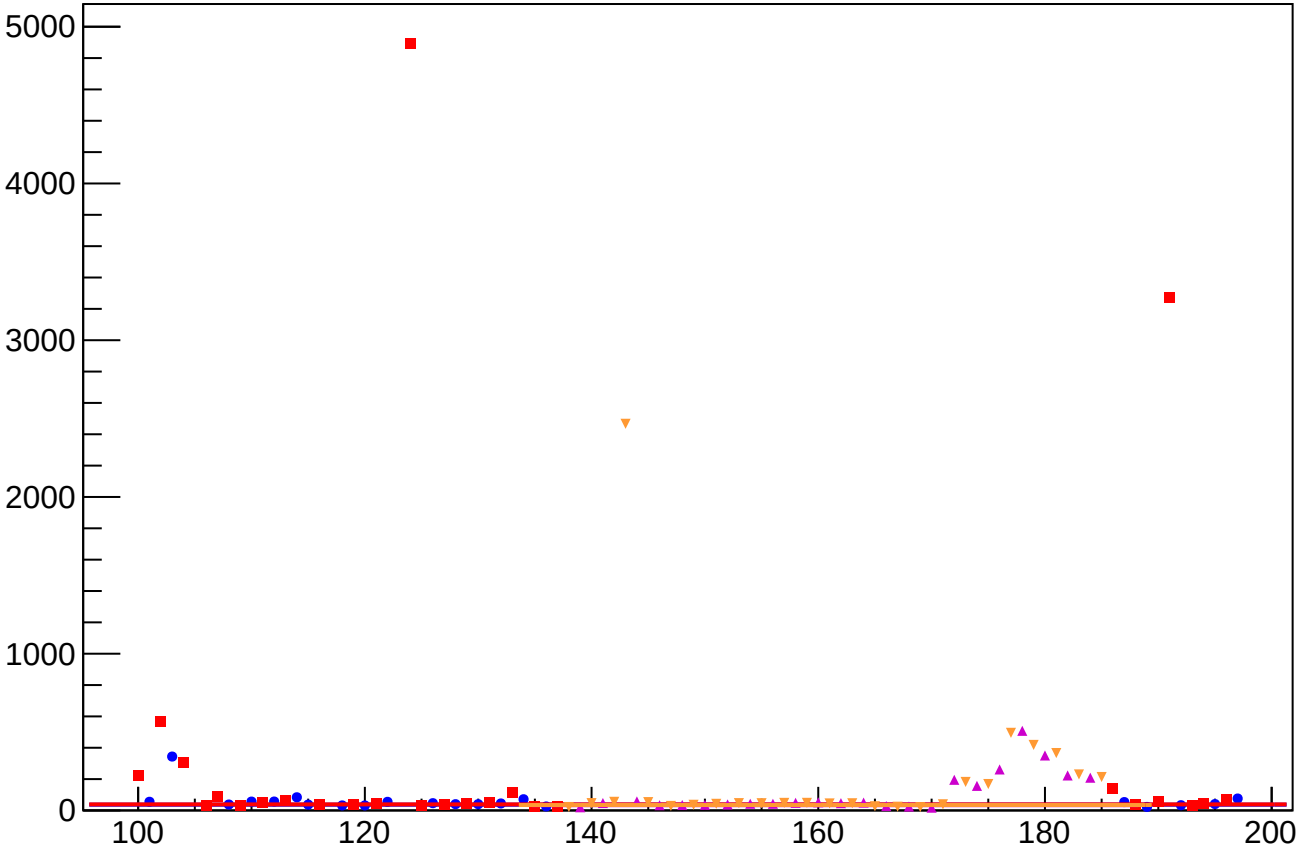
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.0/45

All: 0.008+/-0.006 χ^2/NDF: 88.7/94

- sign 0.001+/-0.008 χ^2/NDF: 38.0/48

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.716+/-0.009 χ^2/NDF: 2670680.1/20

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

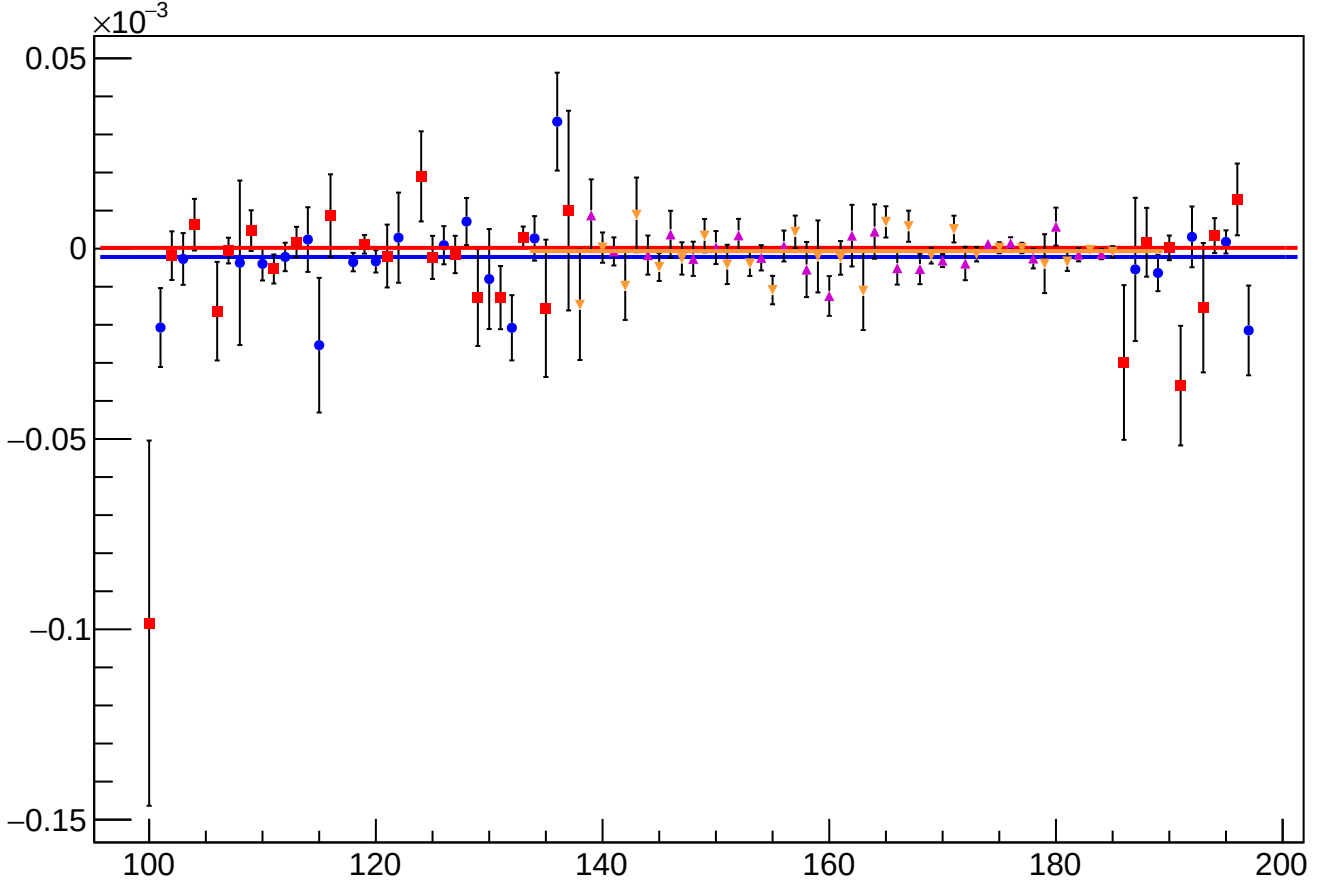
Right Out: 38.752+/-0.010 χ^2/NDF: 4394200.8/25

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.408+/-0.006 χ^2/NDF: 14104653.9/45

All: 35.406+/-0.004 χ^2/NDF: 28755552.8/94

\- sign 35.404+/-0.006 χ^2/NDF: 14650898.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

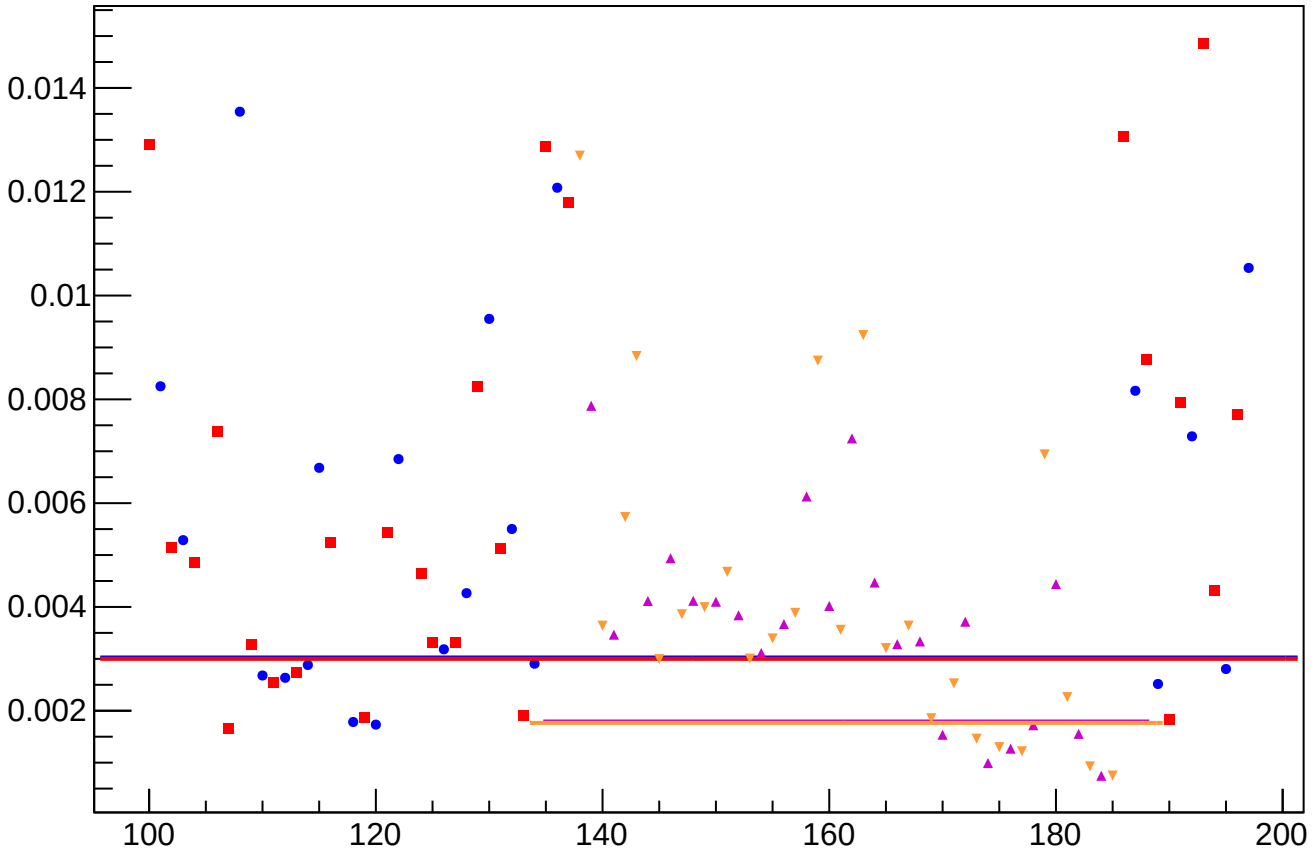
Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/25

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/45

All: -0.000+/-0.000 χ^2/NDF: 109.9/94

- sign -0.000+/-0.000 χ^2/NDF: 52.0/48



Right In: 0.003+/-0.000 χ^2/NDF: 5742320.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

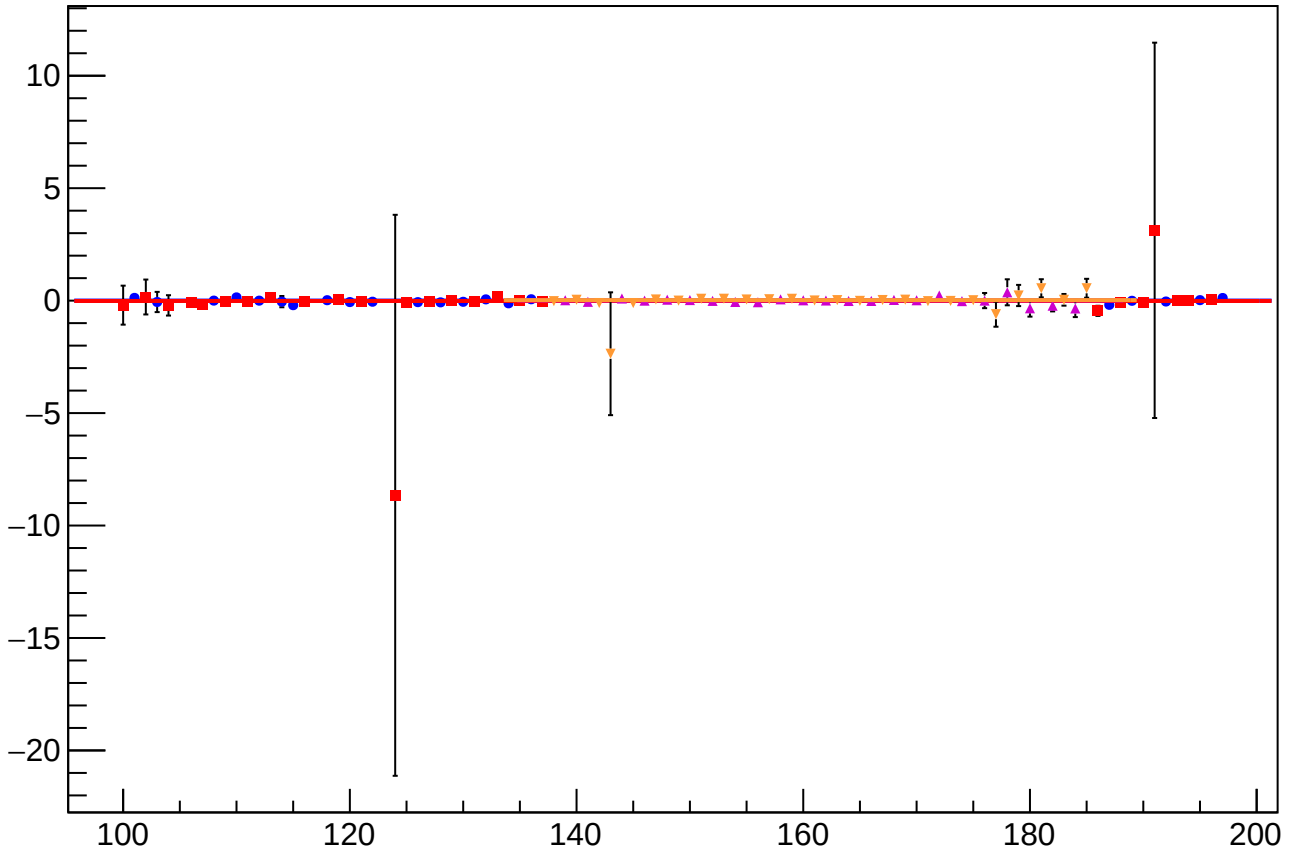
Right Out: 0.003+/-0.000 χ^2/NDF: 6784923.1/25

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 20690319.3/45

All: 0.002+/-0.000 χ^2/NDF: 40336446.5/94

- sign 0.002+/-0.000 χ^2/NDF: 19623746.9/48



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

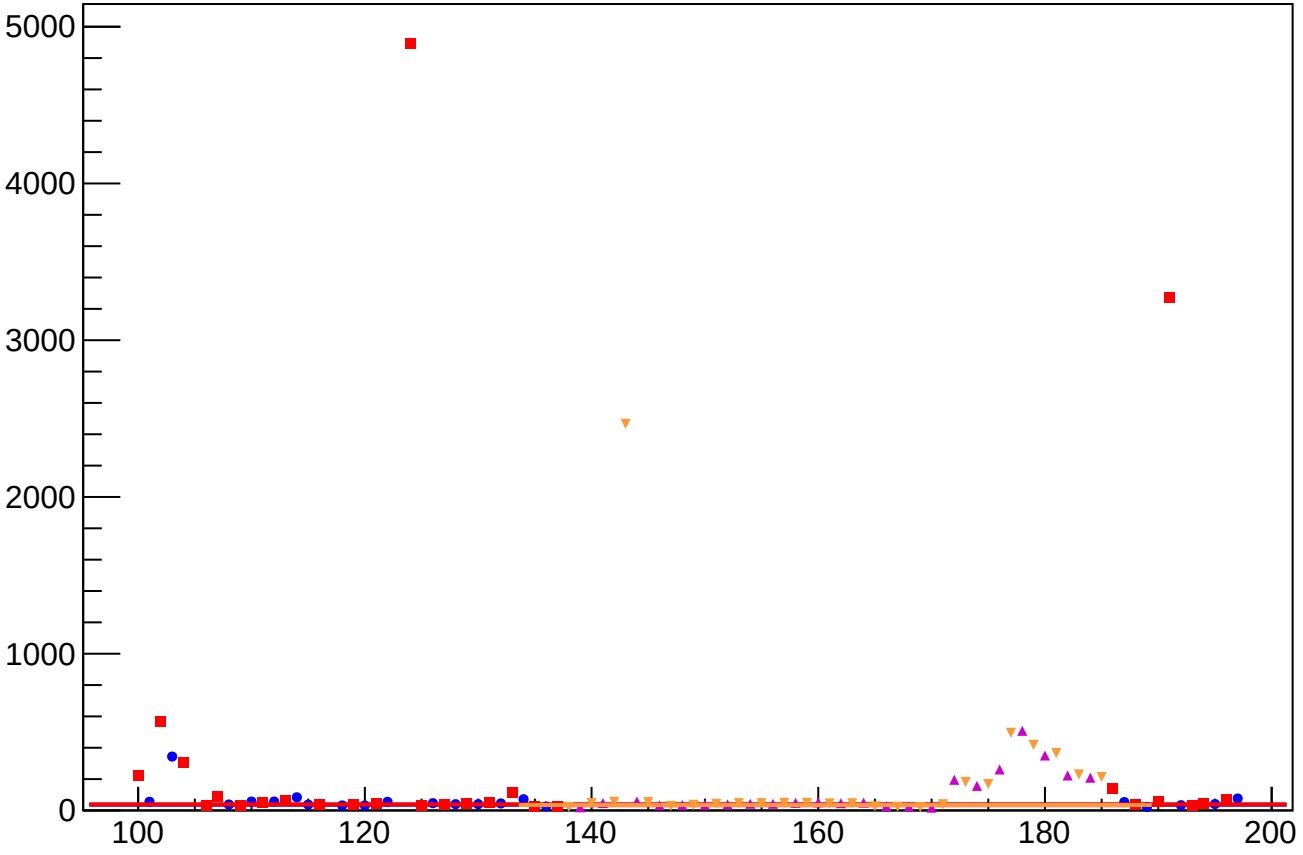
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/45

All: 0.008+/-0.006 χ^2/NDF: 88.7/94

- sign 0.001+/-0.008 χ^2/NDF: 38.0/48

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.718+/-0.009 χ^2/NDF: 2669928.9/20

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

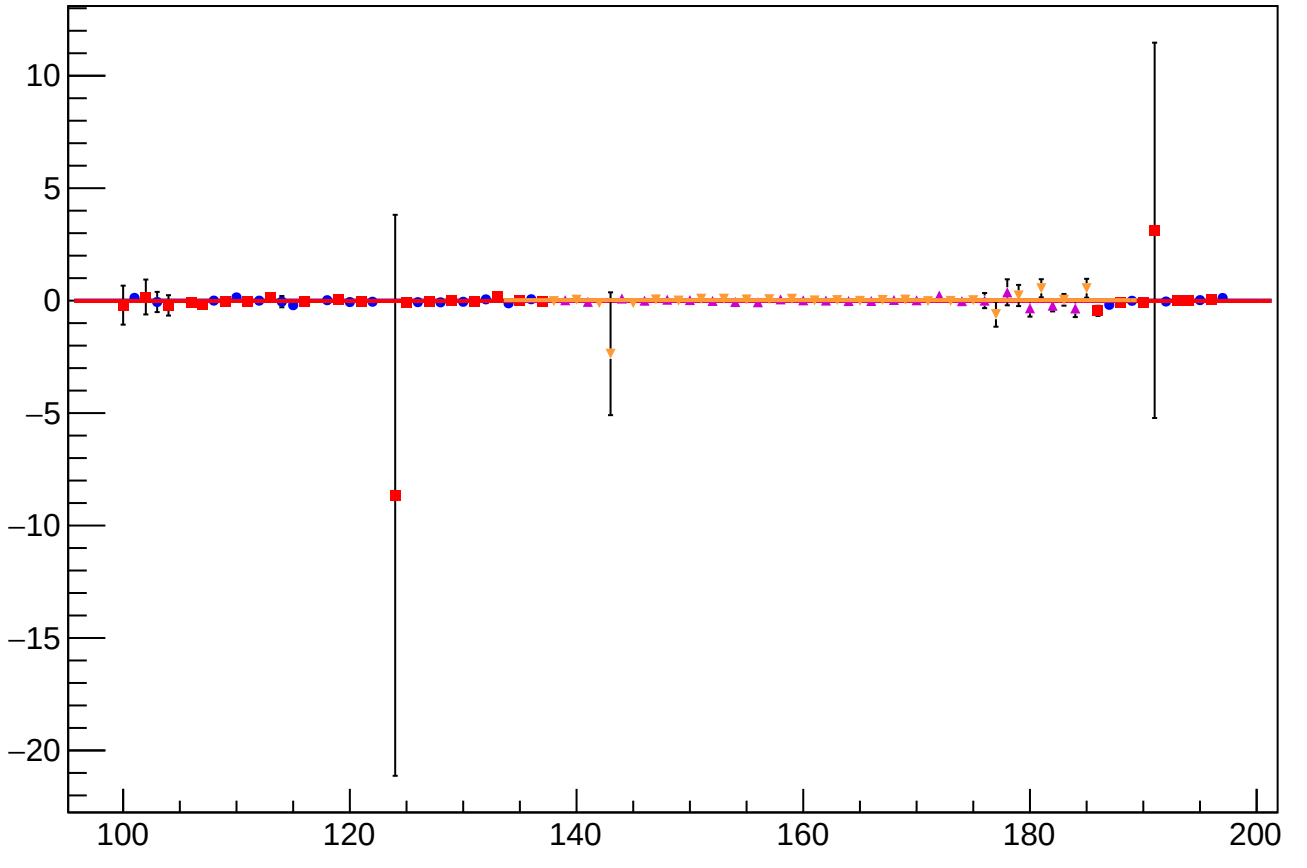
Right Out: 38.752+/-0.010 χ^2/NDF: 4393891.6/25

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.408+/-0.006 χ^2/NDF: 14104111.1/45

All: 35.407+/-0.004 χ^2/NDF: 28753302.6/94

\- sign 35.406+/-0.006 χ^2/NDF: 14649191.4/48



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/20

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.014 χ^2/NDF: 20.9/25

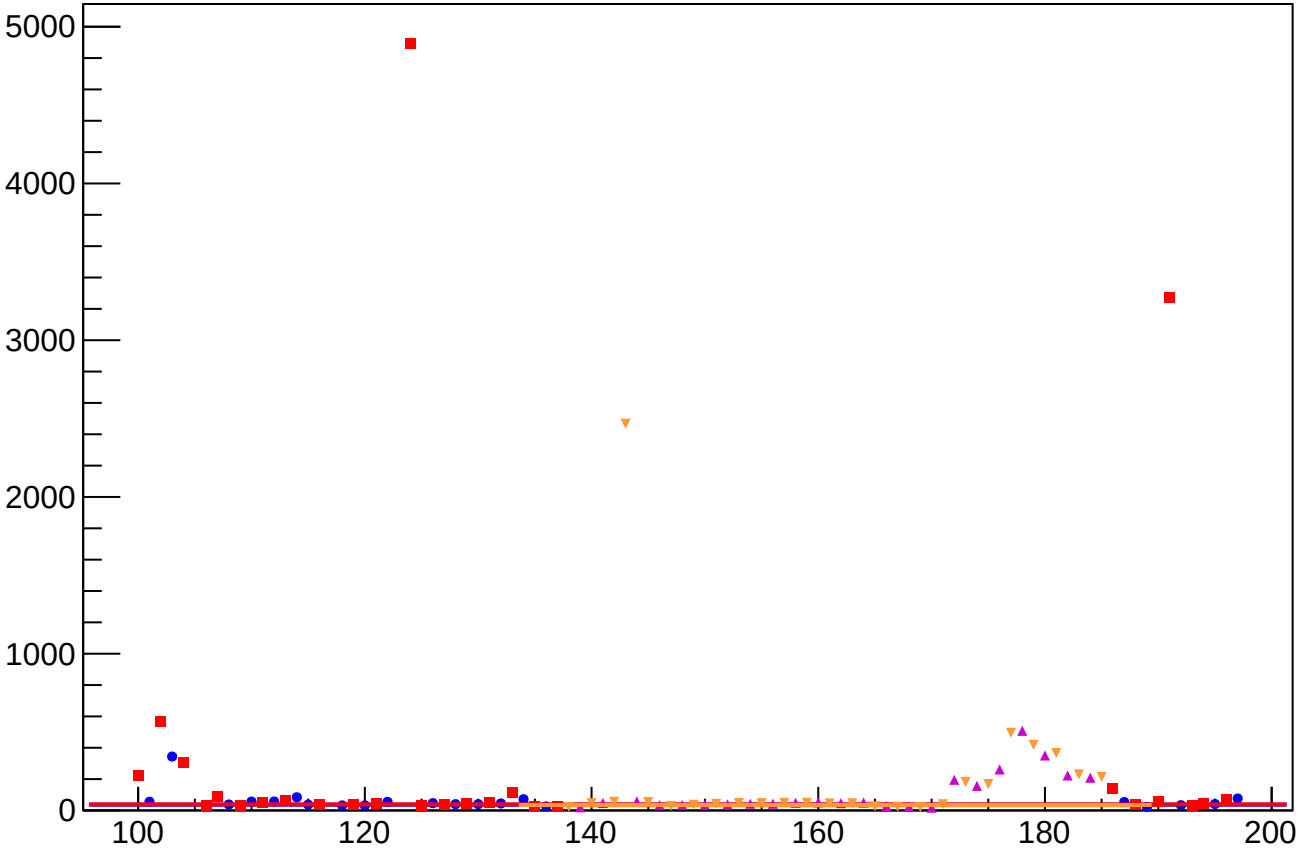
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.015+/-0.008 χ^2/NDF: 49.1/45

All: 0.008+/-0.006 χ^2/NDF: 88.7/94

- sign 0.001+/-0.008 χ^2/NDF: 38.0/48

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.718+/-0.009 χ^2/NDF: 2669928.9/20

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

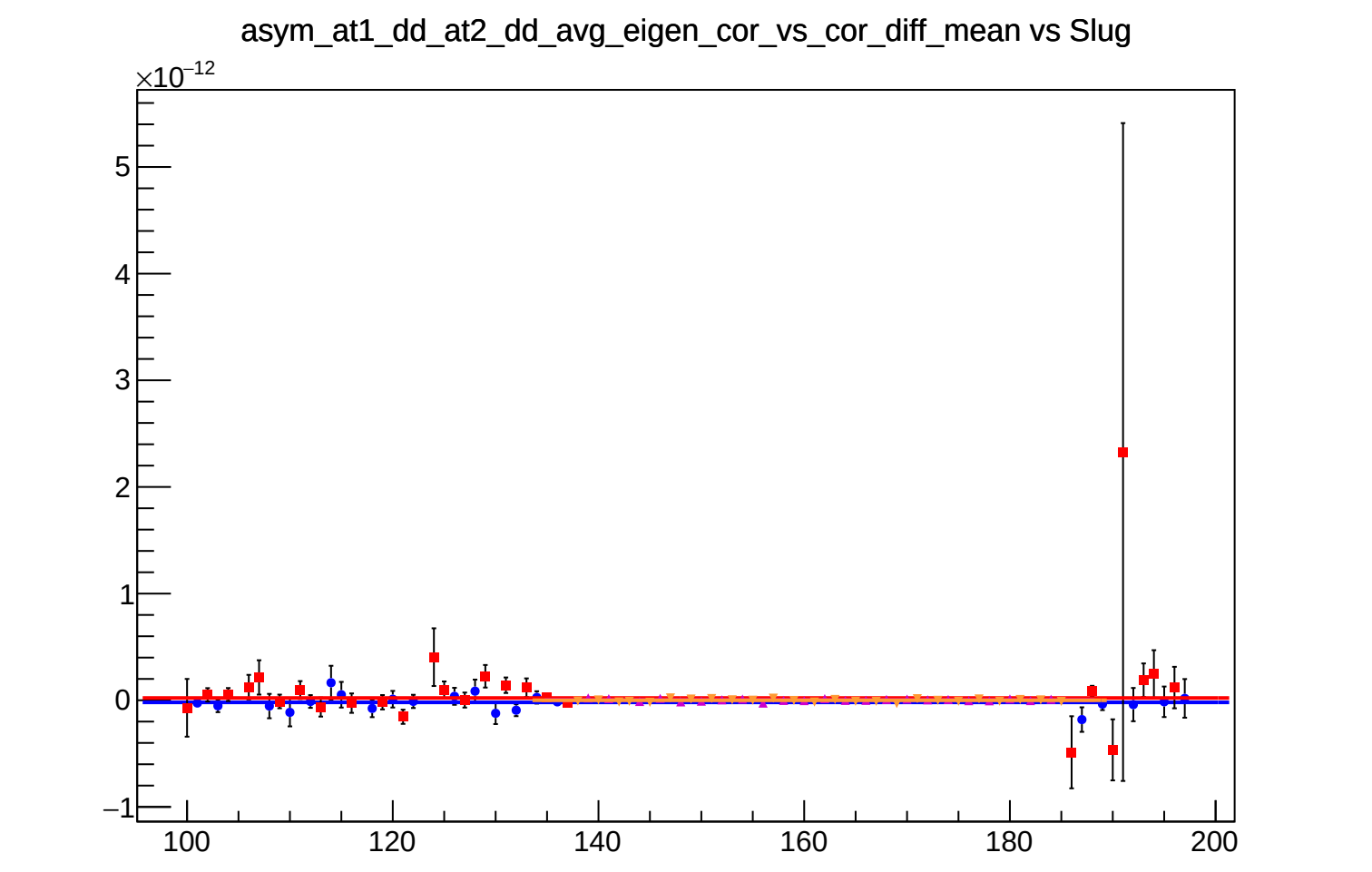
Right Out: 38.752+/-0.010 χ^2/NDF: 4393891.6/25

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.408+/-0.006 χ^2/NDF: 14104111.1/45

All: 35.407+/-0.004 χ^2/NDF: 28753302.6/94

- sign 35.406+/-0.006 χ^2/NDF: 14649191.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

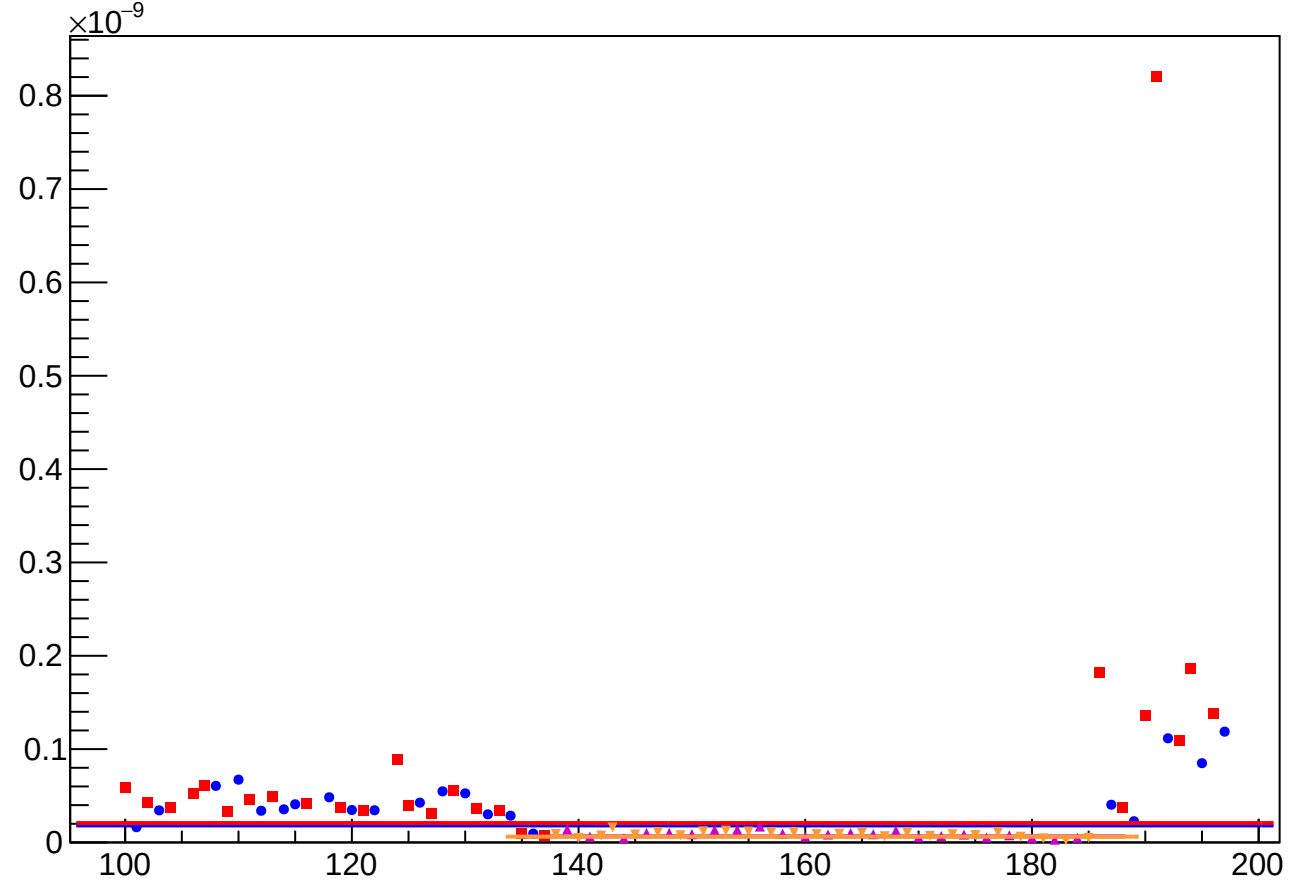
Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/25

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/45

All: 0.000+/-0.000 χ^2/NDF: 102.5/94

- sign 0.000+/-0.000 χ^2/NDF: 60.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 5095789.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7372224.8/25

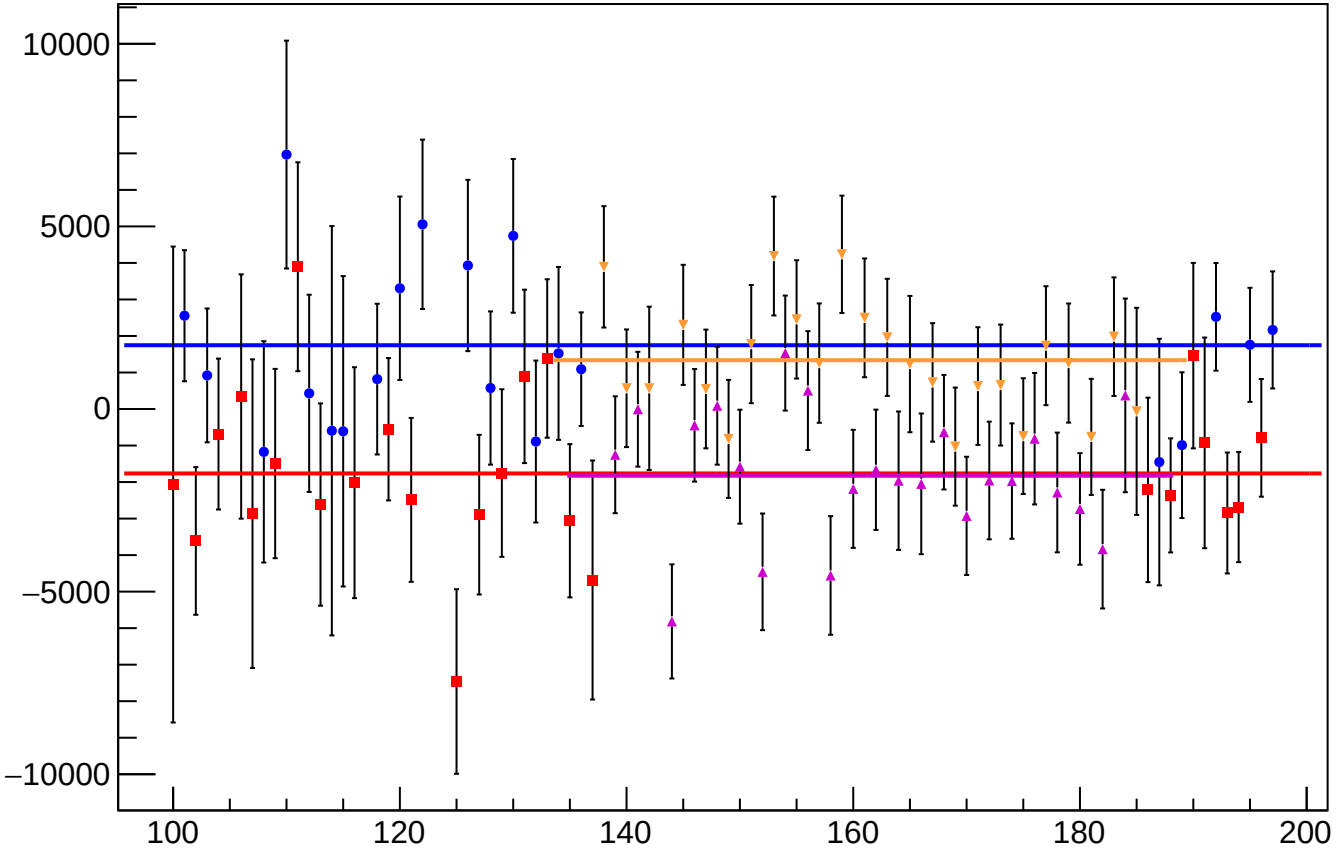
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13146973.8/45

All: 0.000+/-0.000 χ^2/NDF: 27971726.6/94

- sign 0.000+/-0.000 χ^2/NDF: 14799169.3/48

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1746.743+/-463.645 χ^2/NDF: 15.4/20

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1764.056+/-451.355 χ^2/NDF: 19.0/24

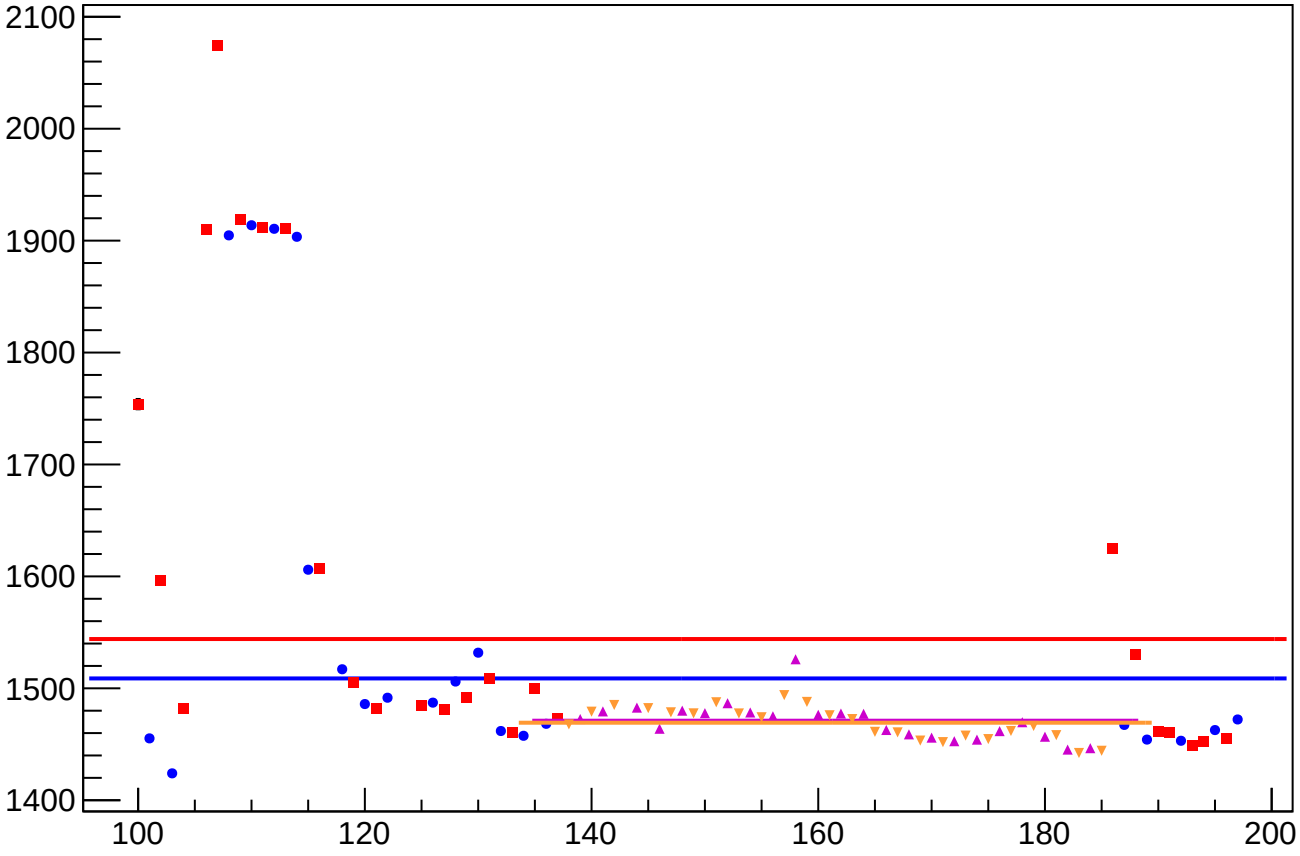
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1480.848+/-274.710 χ^2/NDF: 35.1/44

All: -169.640+/-193.761 χ^2/NDF: 152.4/92

- sign -1803.662+/-273.336 χ^2/NDF: 45.5/47

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1508.830+/-0.328 χ^2/NDF: 140517.2/20

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

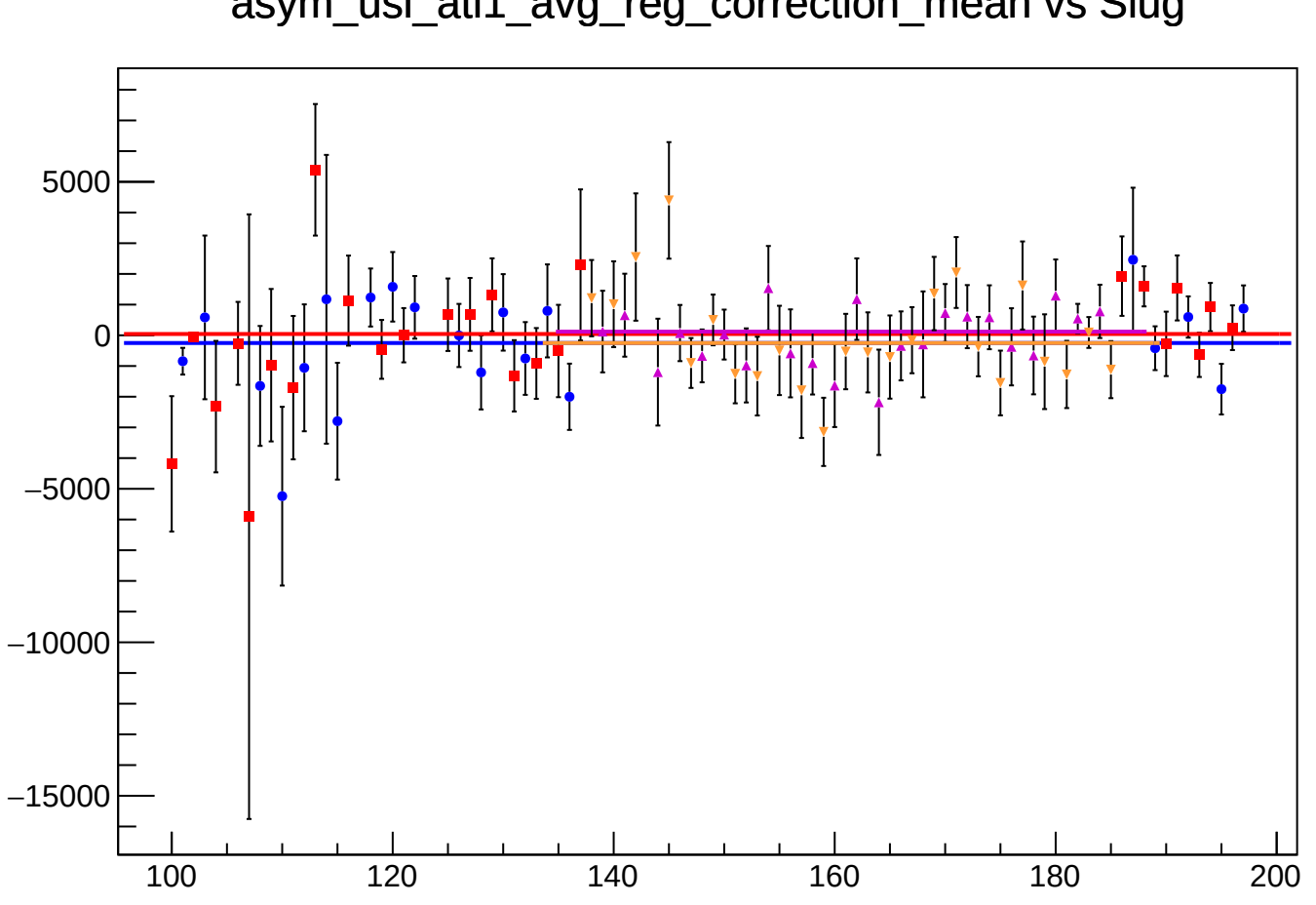
Right Out: 1544.032+/-0.319 χ^2/NDF: 208869.4/24

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1483.156+/-0.194 χ^2/NDF: 153122.8/44

All: 1490.524+/-0.137 χ^2/NDF: 402608.4/92

- sign 1497.818+/-0.193 χ^2/NDF: 246622.5/47



Right In: -250.530+/-217.811 χ^2/NDF: 26.9/20

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 42.822+/-118.270 χ^2/NDF: 30.5/24

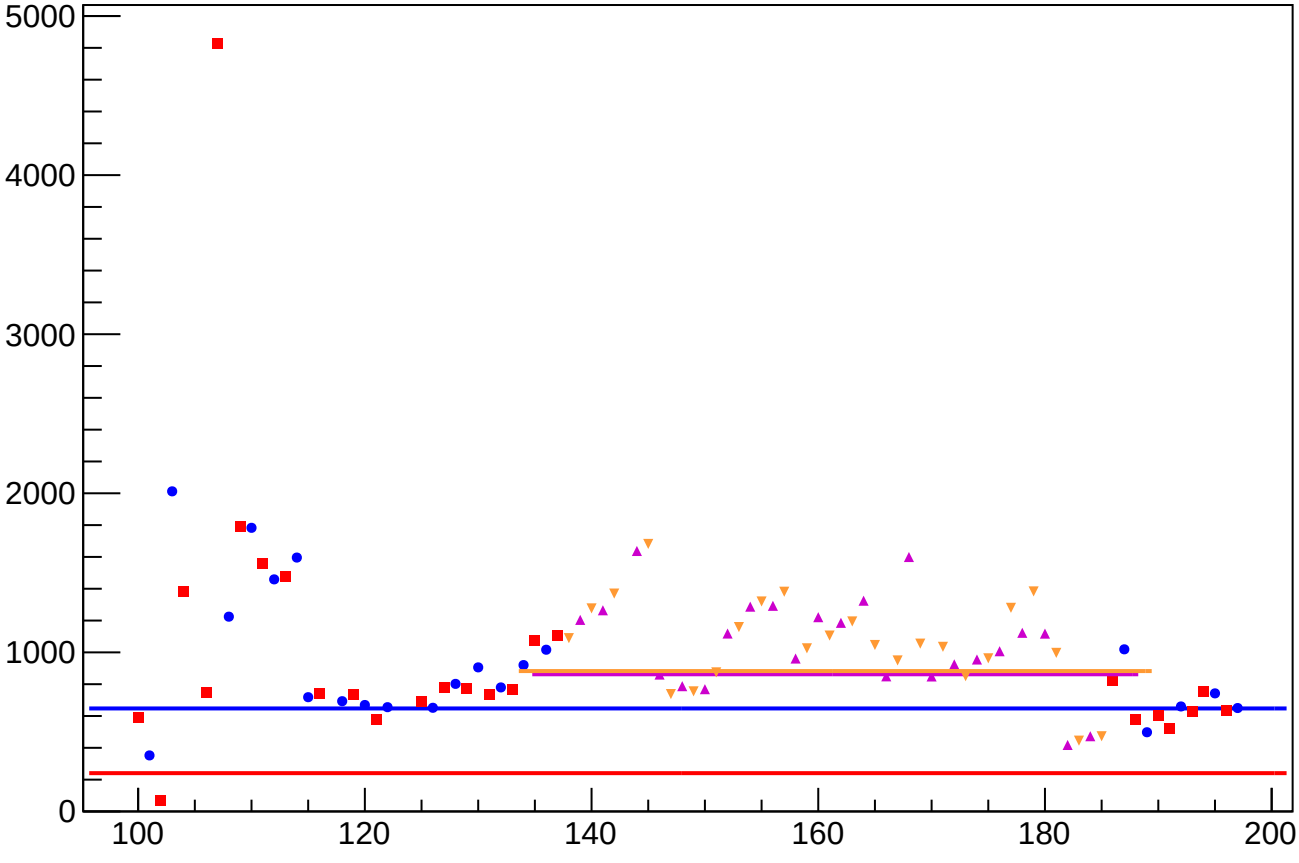
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -251.069+/-154.213 χ^2/NDF: 59.6/44

All: -36.506+/-86.073 χ^2/NDF: 105.9/92

- sign 60.581+/-103.734 χ^2/NDF: 43.4/47

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 647.489+/-0.154 χ^2/NDF: 2928279.7/20

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 240.776+/-0.084 χ^2/NDF: 13630022.3/24

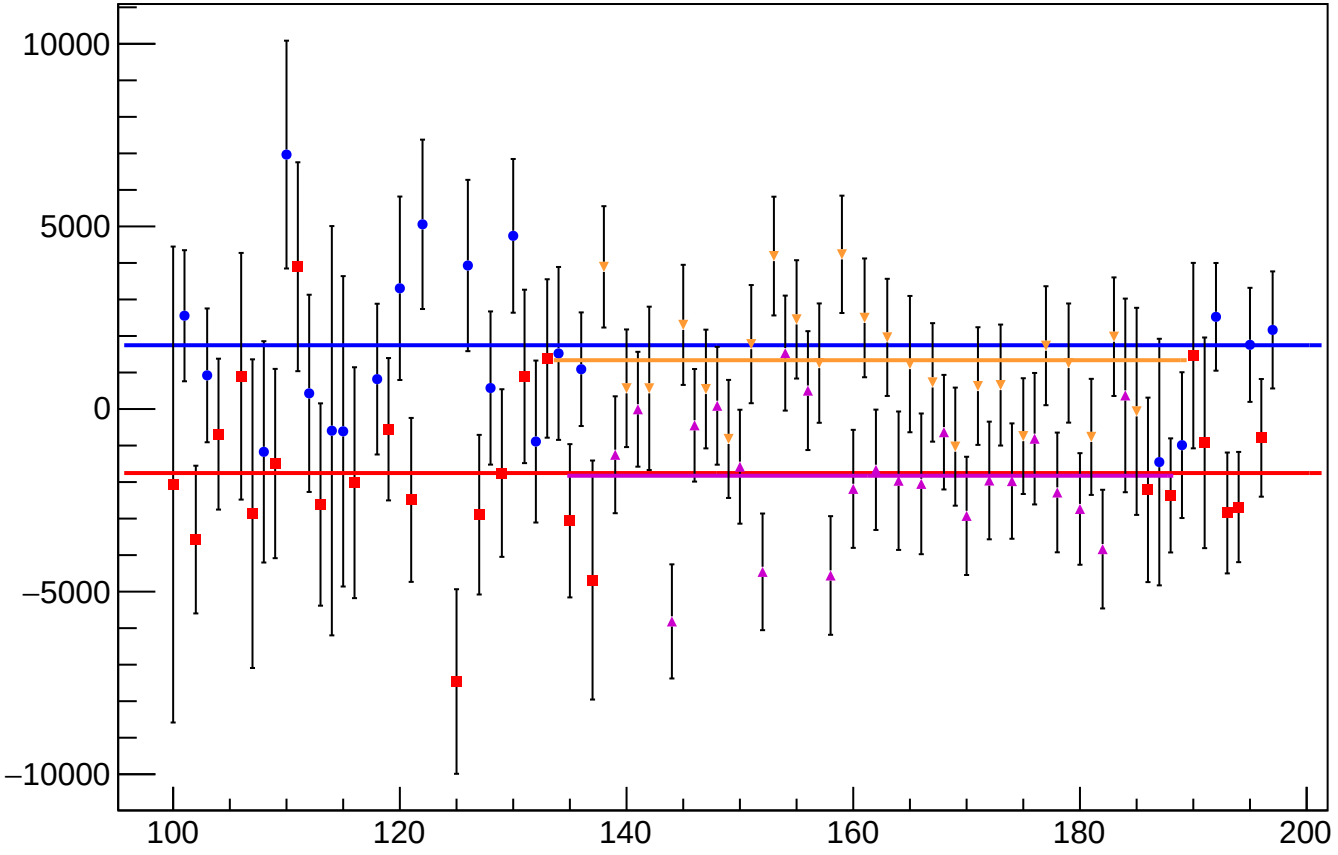
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 764.659+/-0.109 χ^2/NDF: 7990062.5/44

All: 502.694+/-0.061 χ^2/NDF: 47114195.3/92

- sign 384.158+/-0.073 χ^2/NDF: 30741336.5/47

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1746.823+/-463.645 χ^2/NDF: 15.4/20

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1752.974+/-451.436 χ^2/NDF: 19.2/24

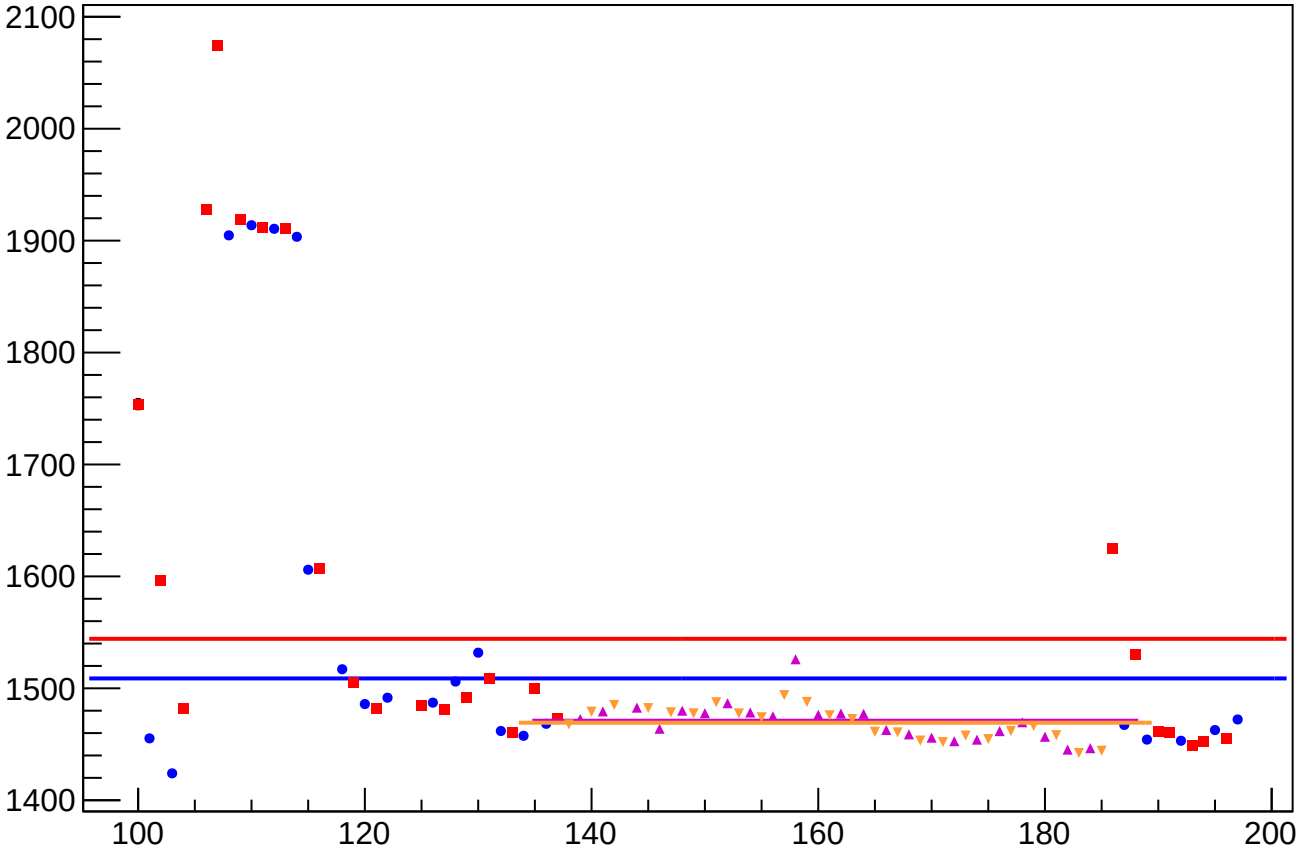
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1480.883+/-274.710 χ^2/NDF: 35.1/44

All: -167.490+/-193.768 χ^2/NDF: 152.5/92

- sign -1799.632+/-273.354 χ^2/NDF: 45.7/47

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1508.830+/-0.328 χ^2/NDF: 140517.2/20

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1544.242+/-0.319 χ^2/NDF: 210834.0/24

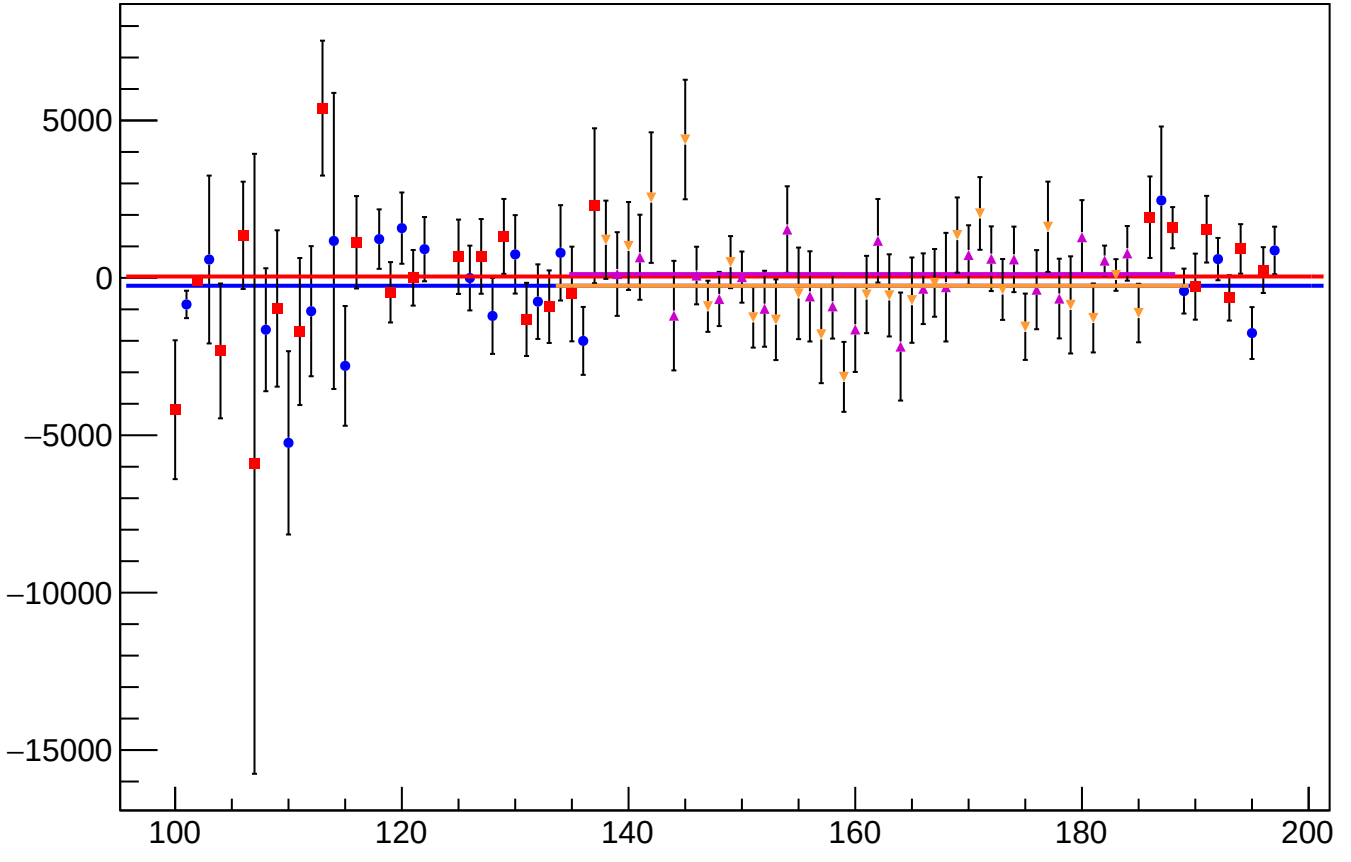
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1483.156+/-0.194 χ^2/NDF: 153122.8/44

All: 1490.559+/-0.137 χ^2/NDF: 404783.7/92

- sign 1497.889+/-0.193 χ^2/NDF: 248770.3/47

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -250.440+/-217.810 χ^2/NDF: 26.9/20

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 43.453+/-126.415 χ^2/NDF: 31.3/24

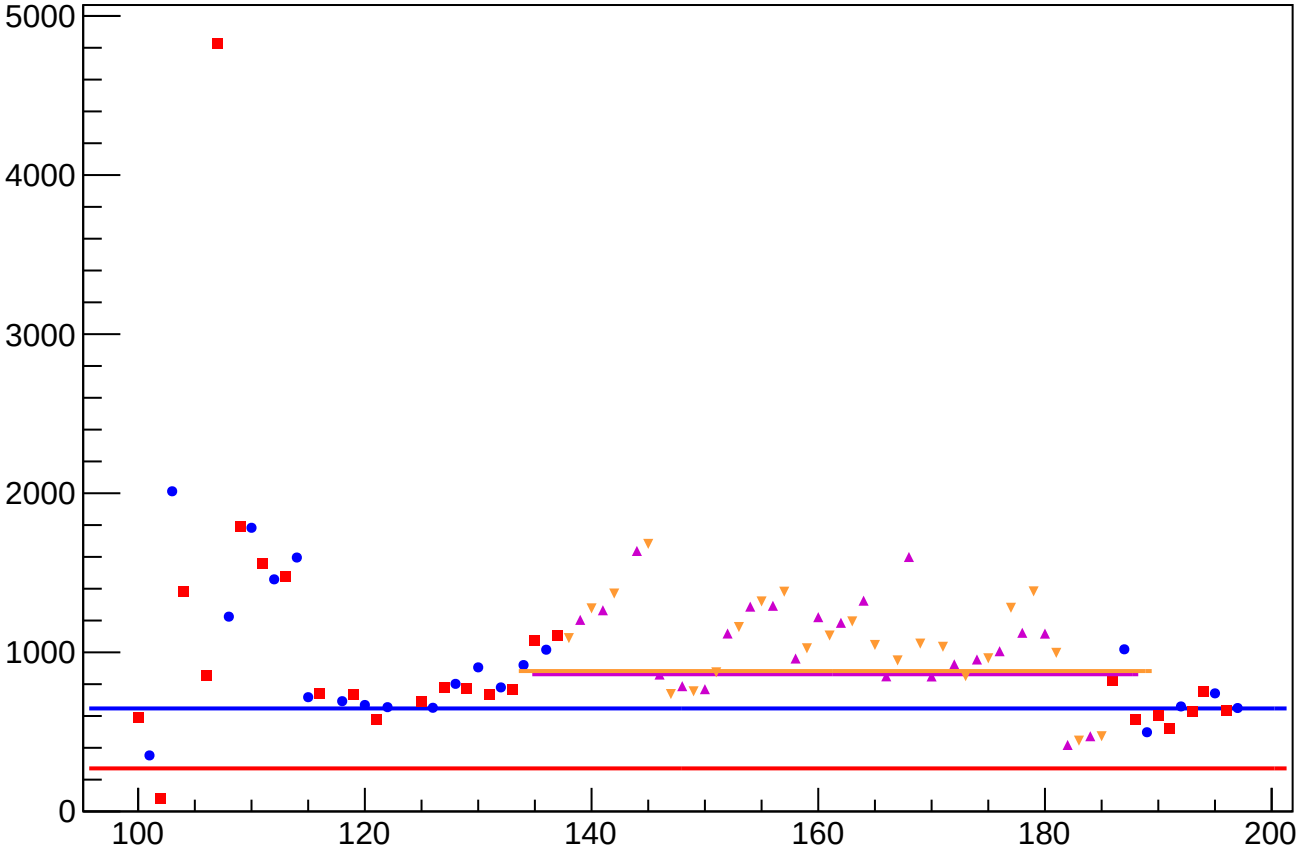
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -251.013+/-154.212 χ^2/NDF: 59.6/44

All: -41.778+/-89.065 χ^2/NDF: 106.6/92

- sign 62.946+/-109.100 χ^2/NDF: 44.2/47

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 647.487+/-0.154 χ^2/NDF: 2928329.2/20

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 270.635+/-0.089 χ^2/NDF: 12689654.7/24

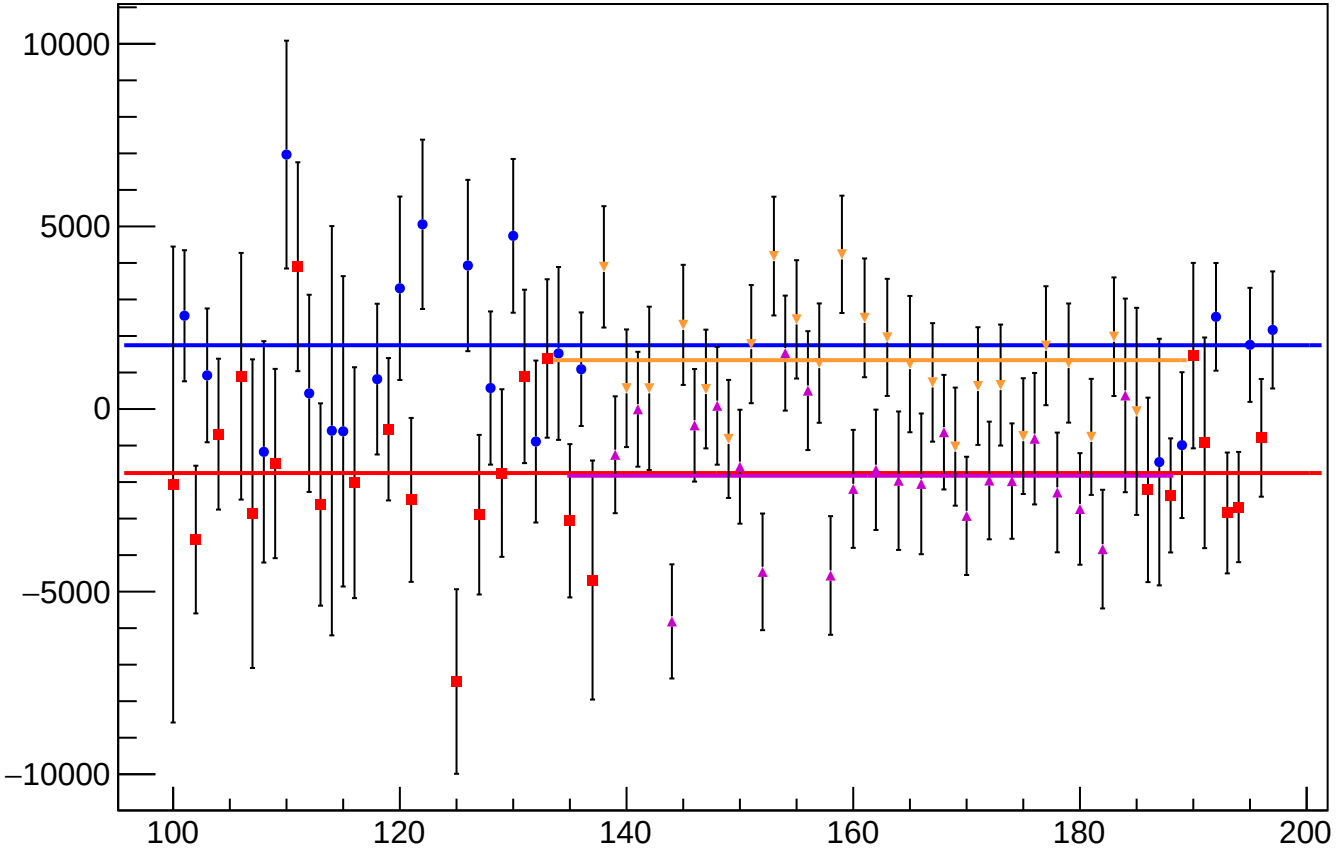
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 764.653+/-0.109 χ^2/NDF: 7990371.9/44

All: 536.039+/-0.063 χ^2/NDF: 42824417.3/92

- sign 421.615+/-0.077 χ^2/NDF: 28238656.7/47

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1746.823+/-463.645 χ^2/NDF: 15.4/20

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1752.974+/-451.436 χ^2/NDF: 19.2/24

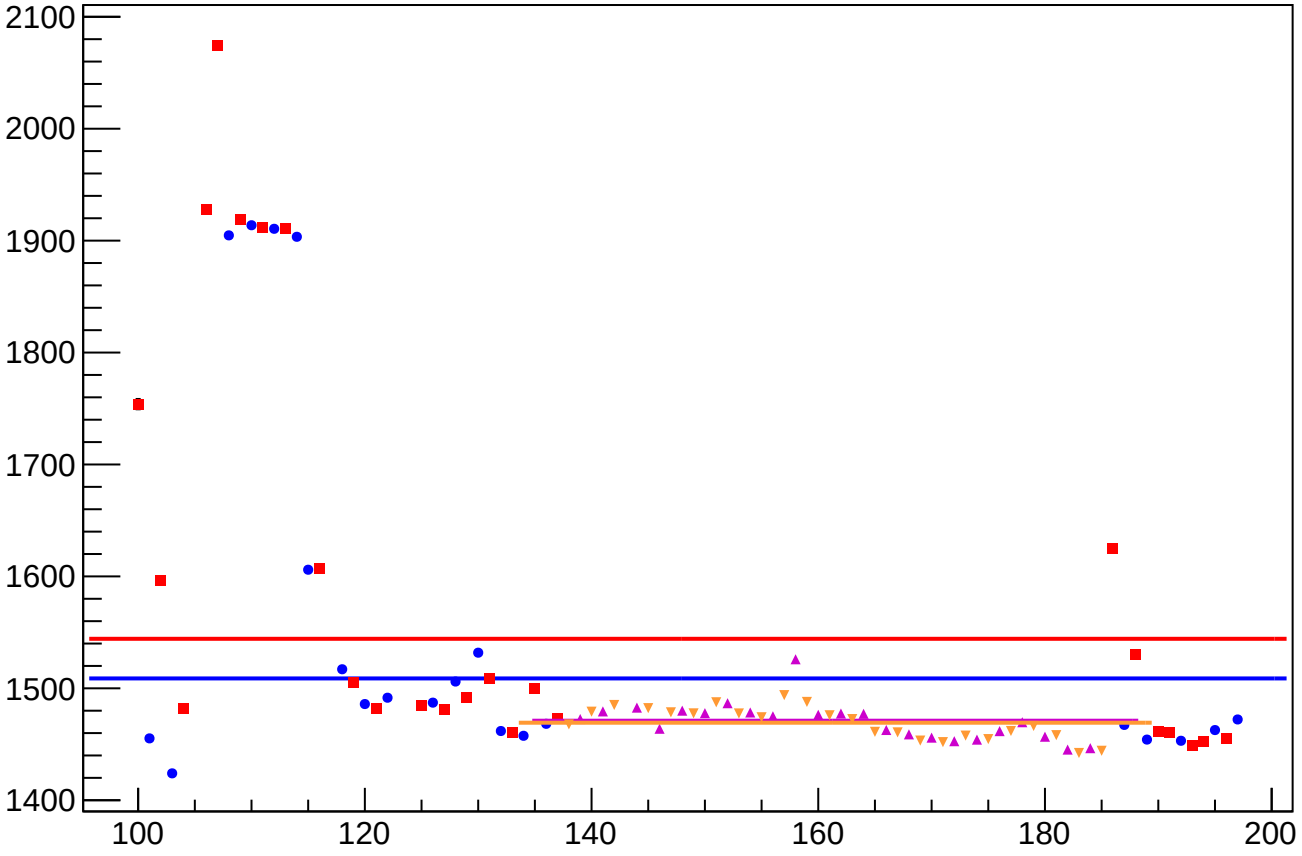
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1480.883+/-274.710 χ^2/NDF: 35.1/44

All: -167.490+/-193.768 χ^2/NDF: 152.5/92

- sign -1799.632+/-273.354 χ^2/NDF: 45.7/47

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1508.830+/-0.328 χ^2/NDF: 140517.2/20

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

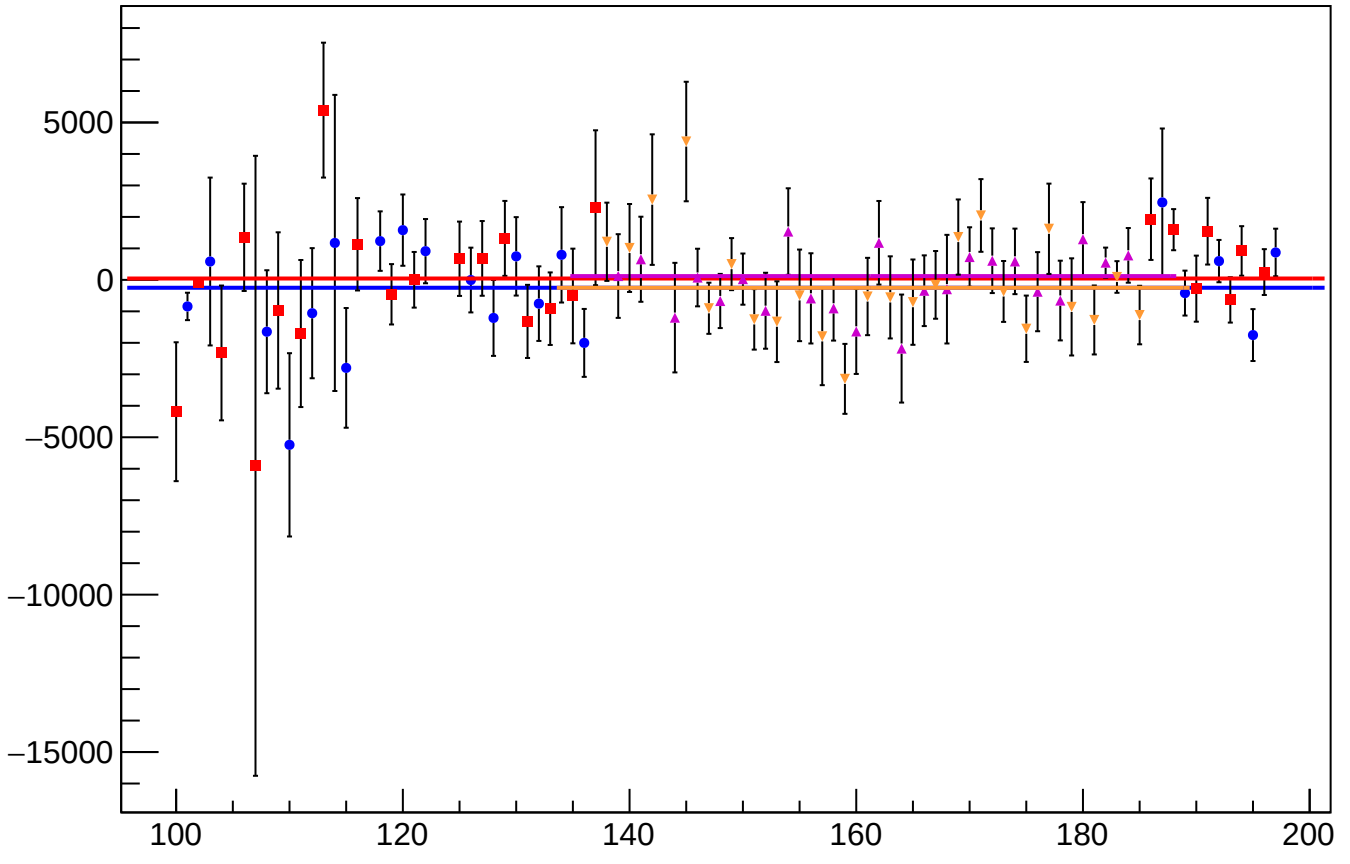
Right Out: 1544.242+/-0.319 χ^2/NDF: 210834.0/24

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1483.156+/-0.194 χ^2/NDF: 153122.8/44

All: 1490.559+/-0.137 χ^2/NDF: 404783.7/92

- sign 1497.889+/-0.193 χ^2/NDF: 248770.3/47



Right In: -250.440+/-217.810 χ^2/NDF: 26.9/20

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

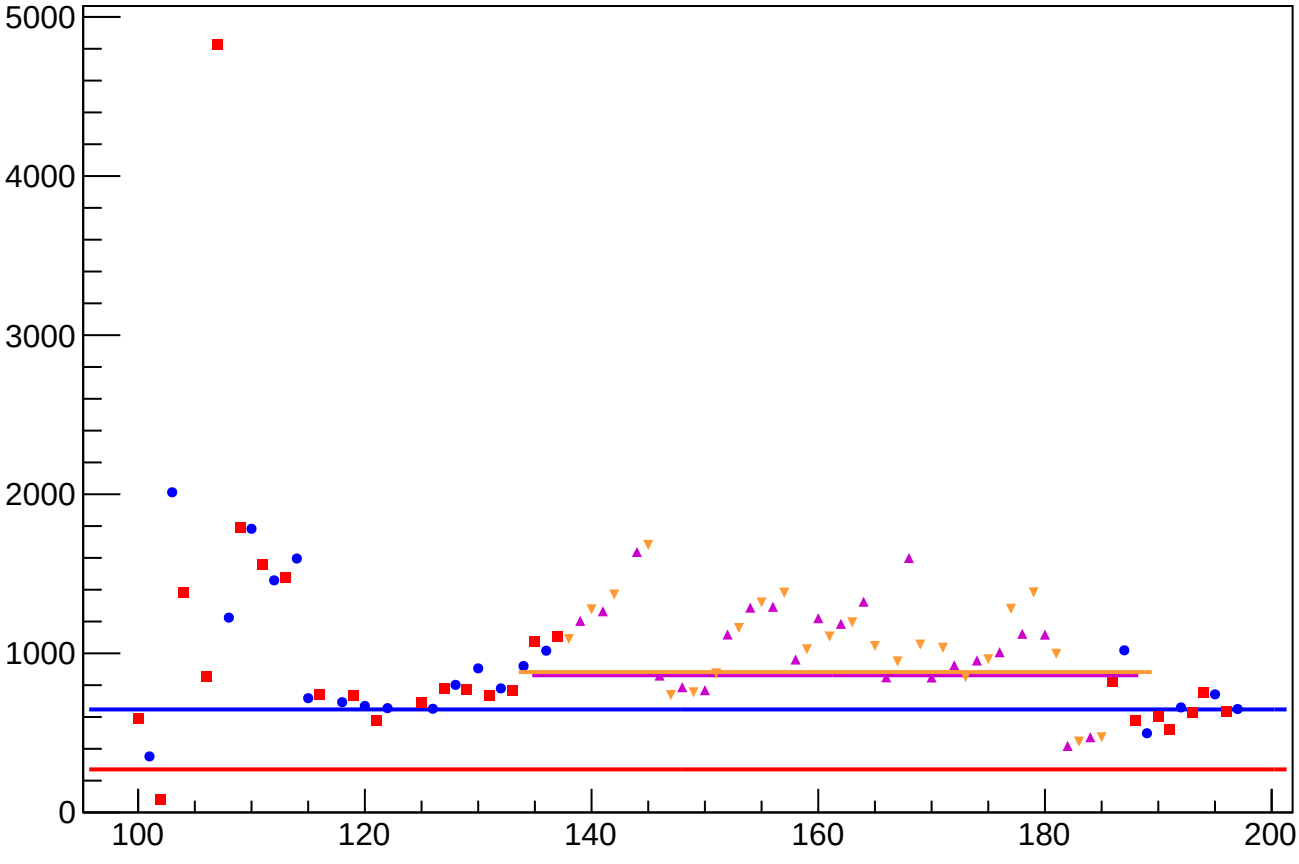
Right Out: 43.453+/-126.415 χ^2/NDF: 31.3/24

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -251.013+/-154.212 χ^2/NDF: 59.6/44

All: -41.778+/-89.065 χ^2/NDF: 106.6/92

- sign 62.946+/-109.100 χ^2/NDF: 44.2/47



Right In: 647.487+/-0.154 χ^2/NDF: 2928329.2/20

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 270.635+/-0.089 χ^2/NDF: 12689654.7/24

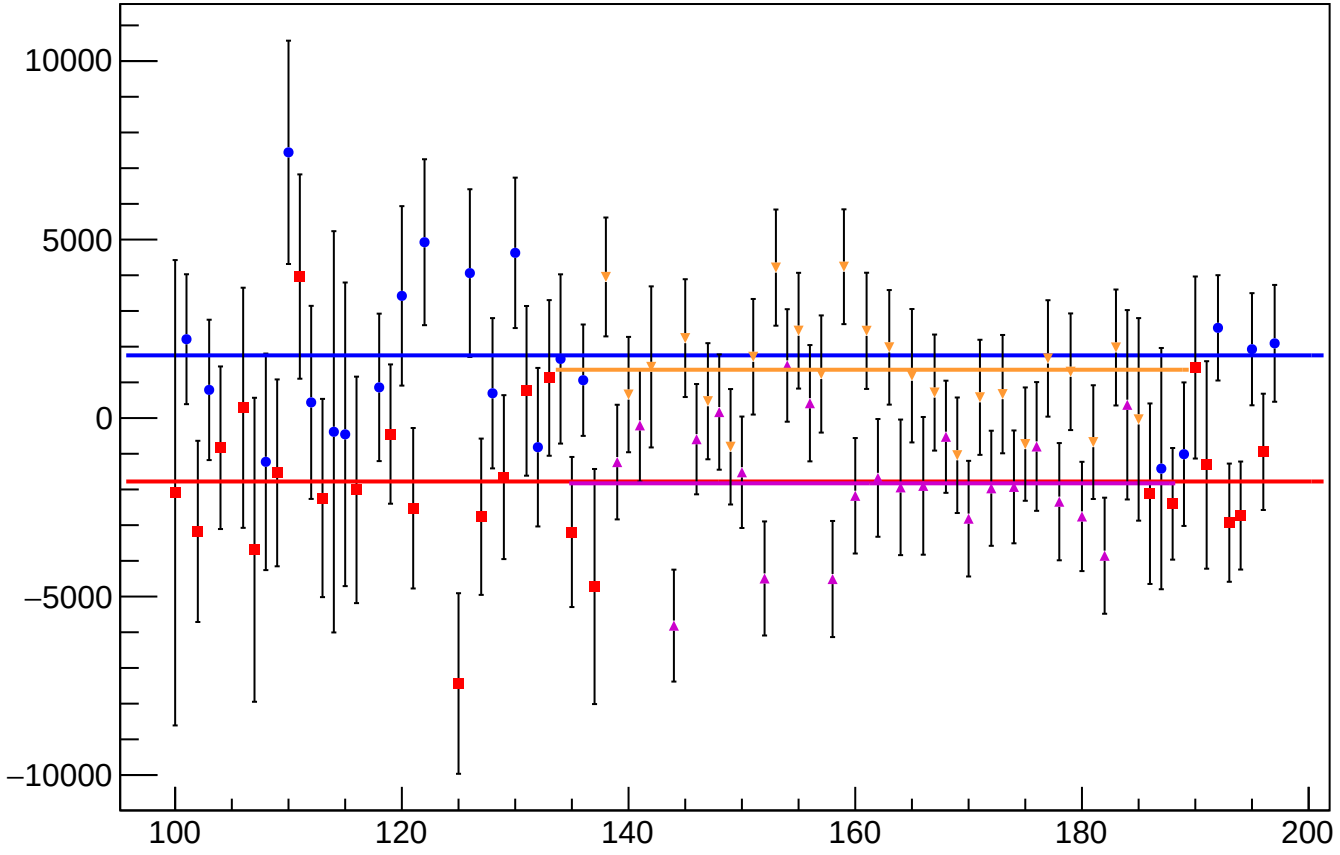
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 764.653+/-0.109 χ^2/NDF: 7990371.9/44

All: 536.039+/-0.063 χ^2/NDF: 42824417.3/92

- sign 421.615+/-0.077 χ^2/NDF: 28238656.7/47

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1756.353+/-467.769 χ^2/NDF: 15.4/20

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1776.556+/-458.831 χ^2/NDF: 18.0/24

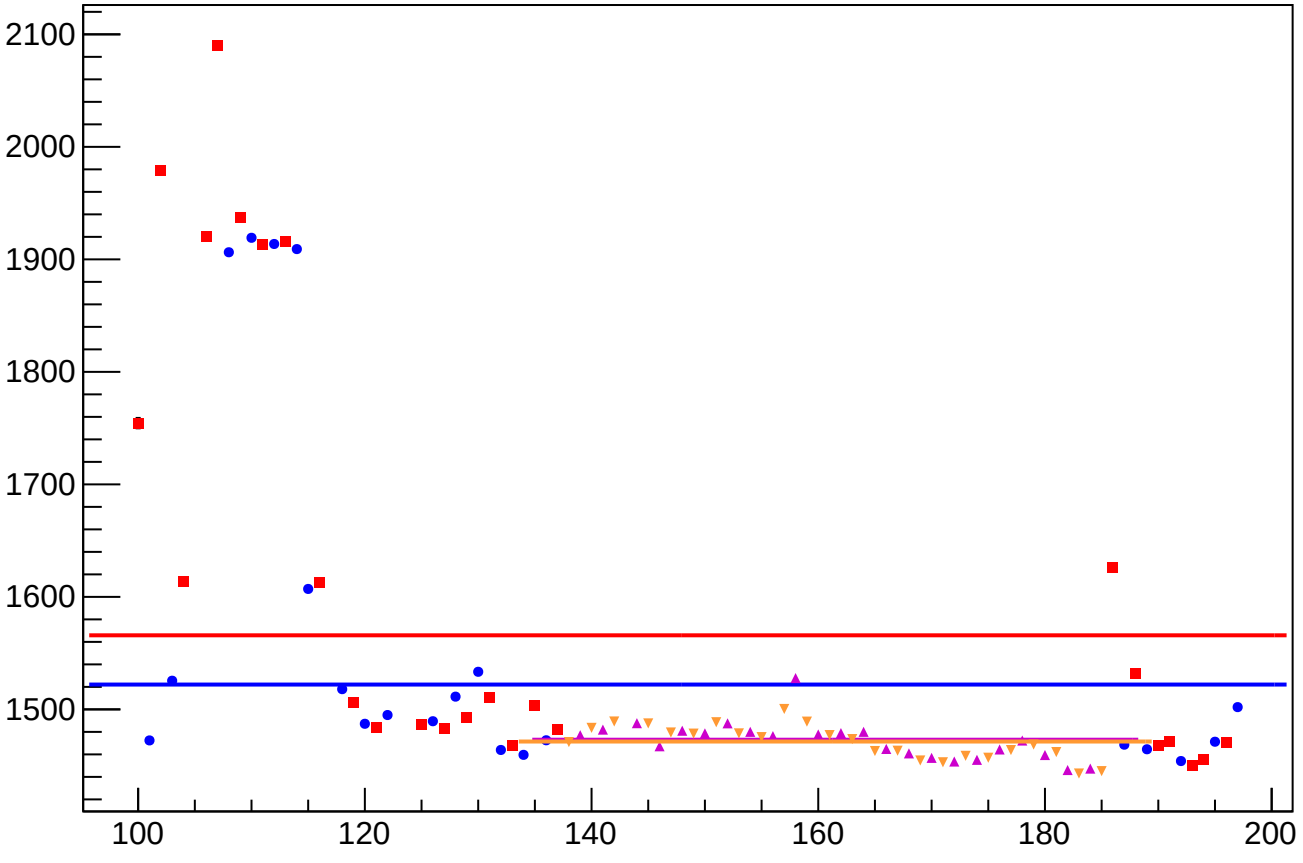
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1493.722+/-275.854 χ^2/NDF: 34.9/44

All: -161.817+/-194.831 χ^2/NDF: 150.5/92

- sign -1809.652+/-275.211 χ^2/NDF: 43.8/47

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1522.073+/-0.331 χ^2/NDF: 132765.7/20

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1565.848+/-0.324 χ^2/NDF: 264020.3/24

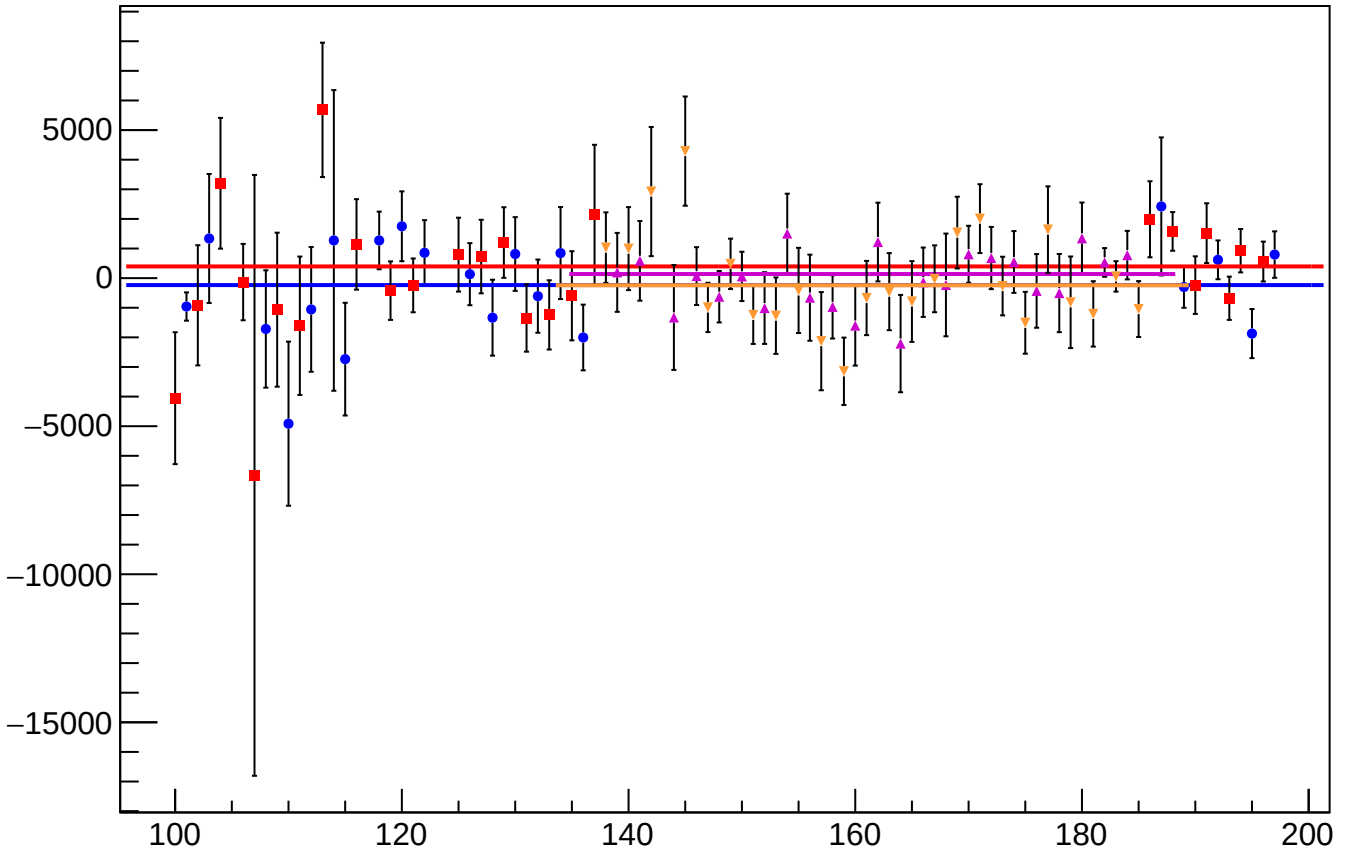
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1489.047+/-0.195 χ^2/NDF: 151488.6/44

All: 1497.761+/-0.138 χ^2/NDF: 476620.6/92

- sign 1506.435+/-0.195 χ^2/NDF: 321149.4/47

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -234.657+/-224.749 χ^2/NDF: 27.7/20

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 395.466+/-226.416 χ^2/NDF: 29.7/24

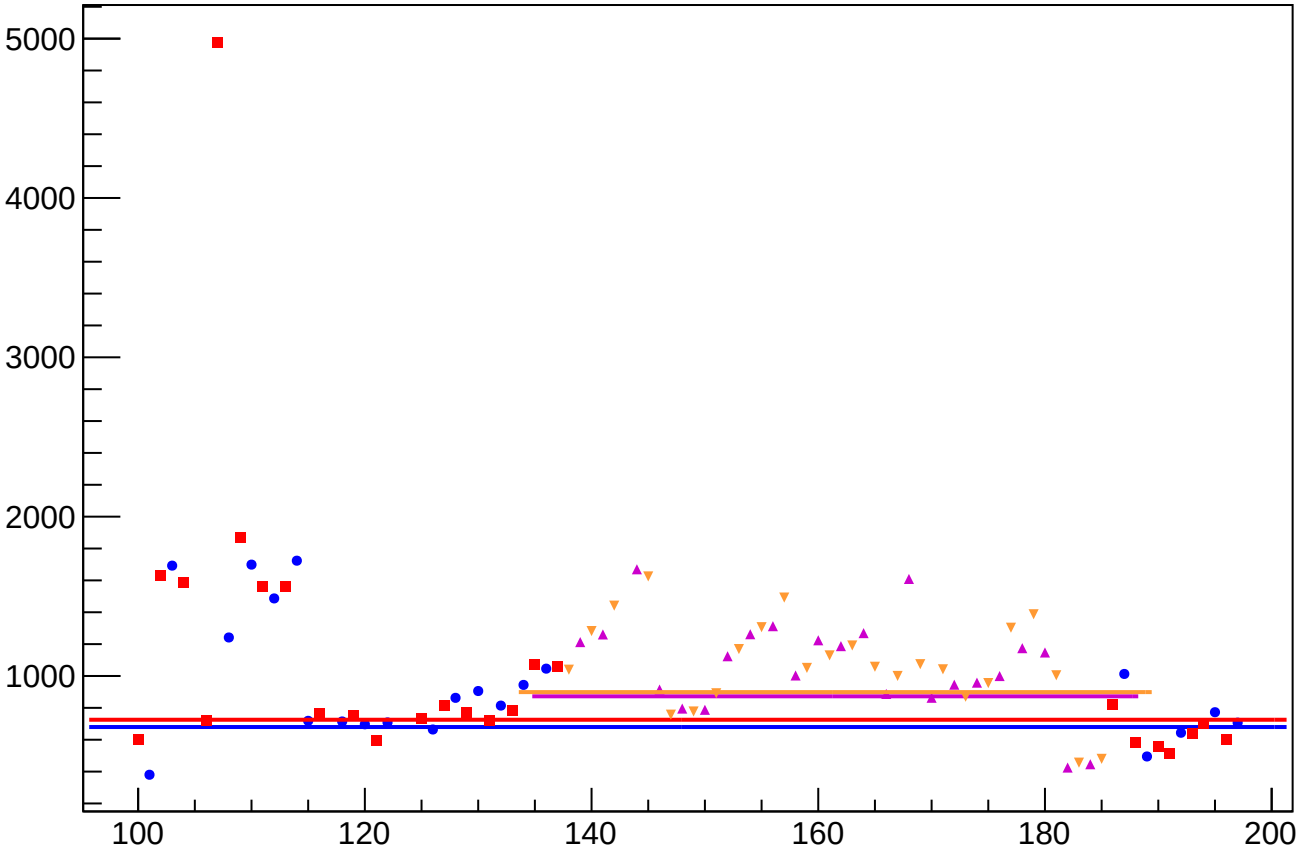
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -237.499+/-157.864 χ^2/NDF: 60.2/44

All: 13.453+/-111.398 χ^2/NDF: 108.6/92

- sign 262.359+/-157.219 χ^2/NDF: 43.4/47

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 679.675+/-0.159 χ^2/NDF: 2656436.0/20

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 725.385+/-0.160 χ^2/NDF: 2534427.5/24

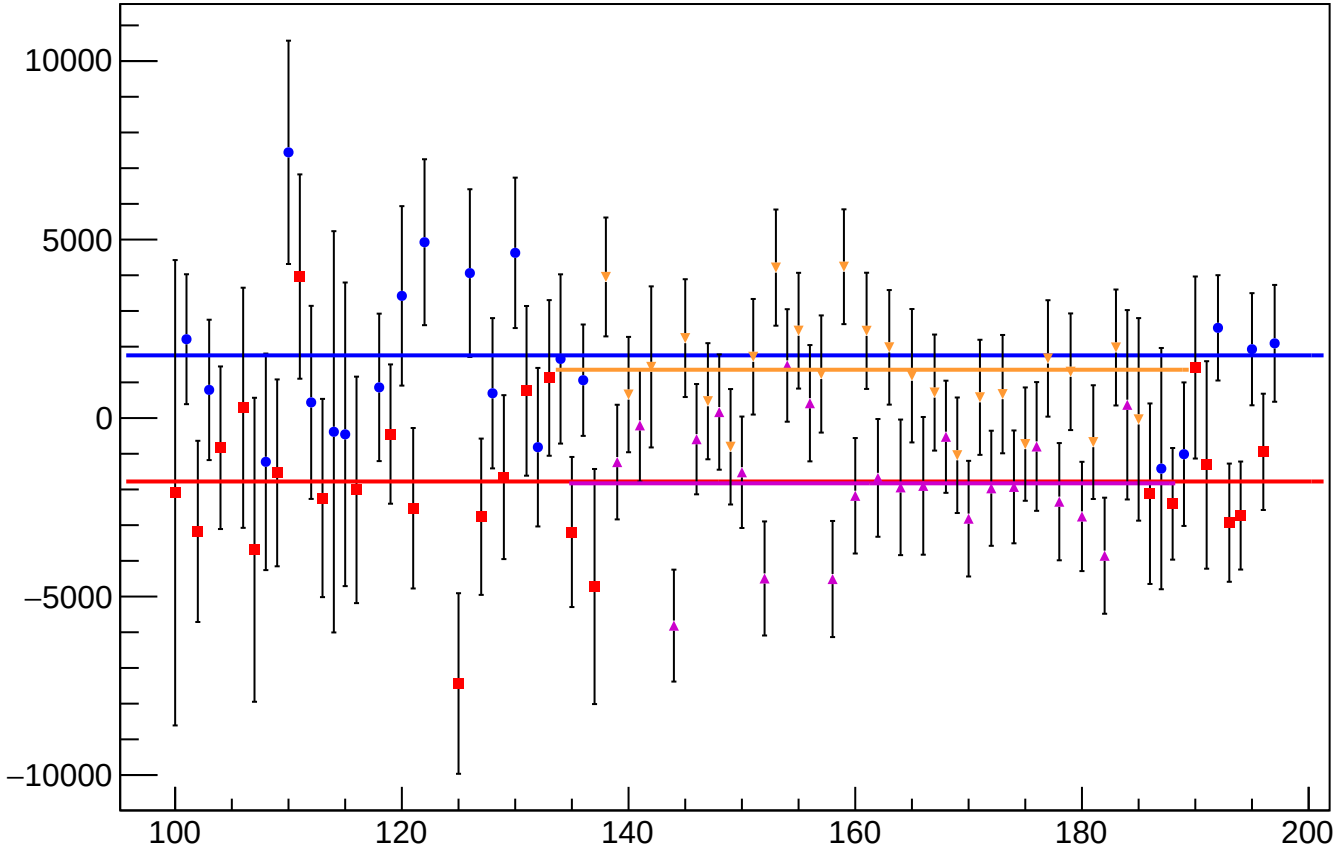
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 790.715+/-0.112 χ^2/NDF: 7411584.8/44

All: 796.156+/-0.079 χ^2/NDF: 14823338.3/92

- sign 801.552+/-0.111 χ^2/NDF: 7407021.8/47

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1756.352+/-467.769 χ^2/NDF: 15.4/20

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1776.554+/-458.831 χ^2/NDF: 18.0/24

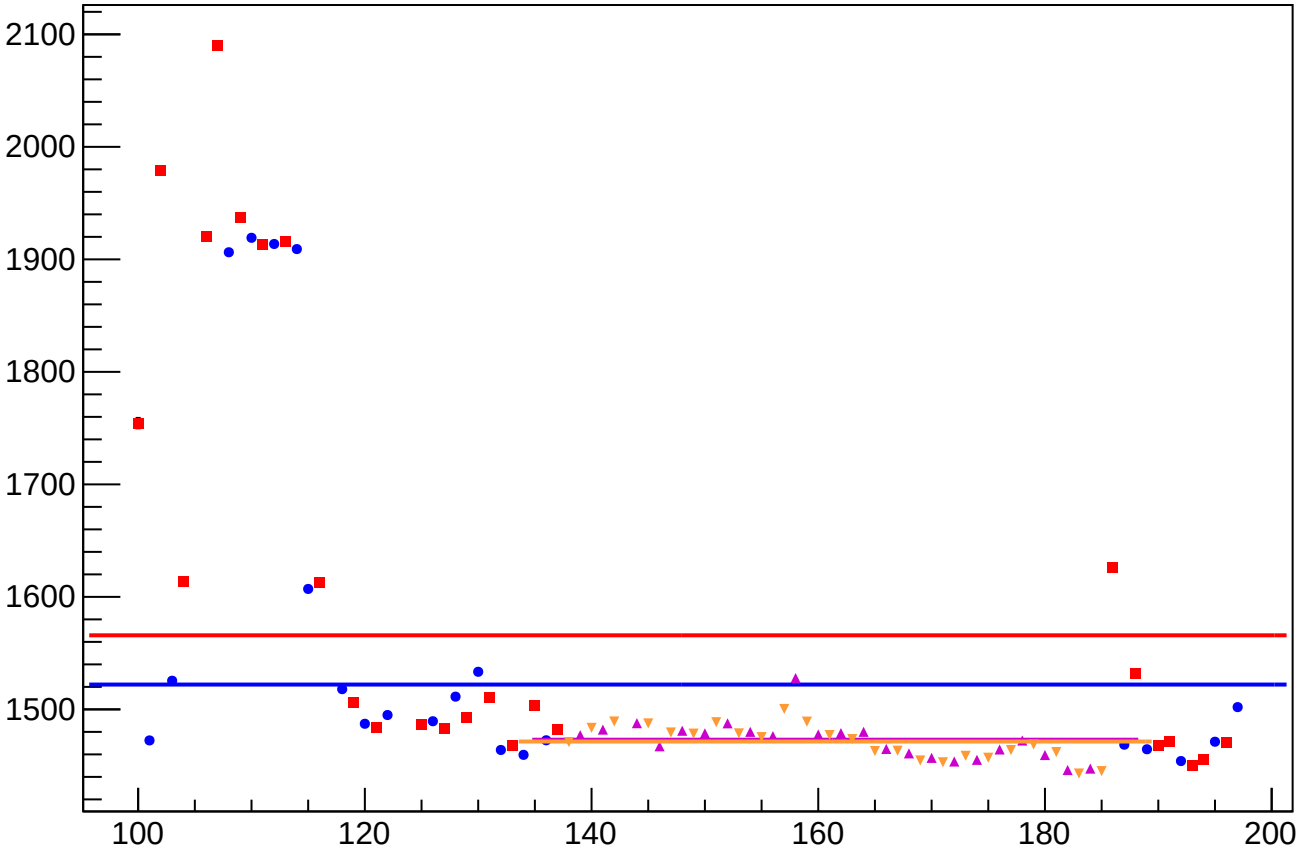
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1493.721+/-275.854 χ^2/NDF: 34.9/44

All: -161.818+/-194.831 χ^2/NDF: 150.5/92

- sign -1809.652+/-275.211 χ^2/NDF: 43.8/47

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1522.073+/-0.331 χ^2/NDF: 132765.7/20

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

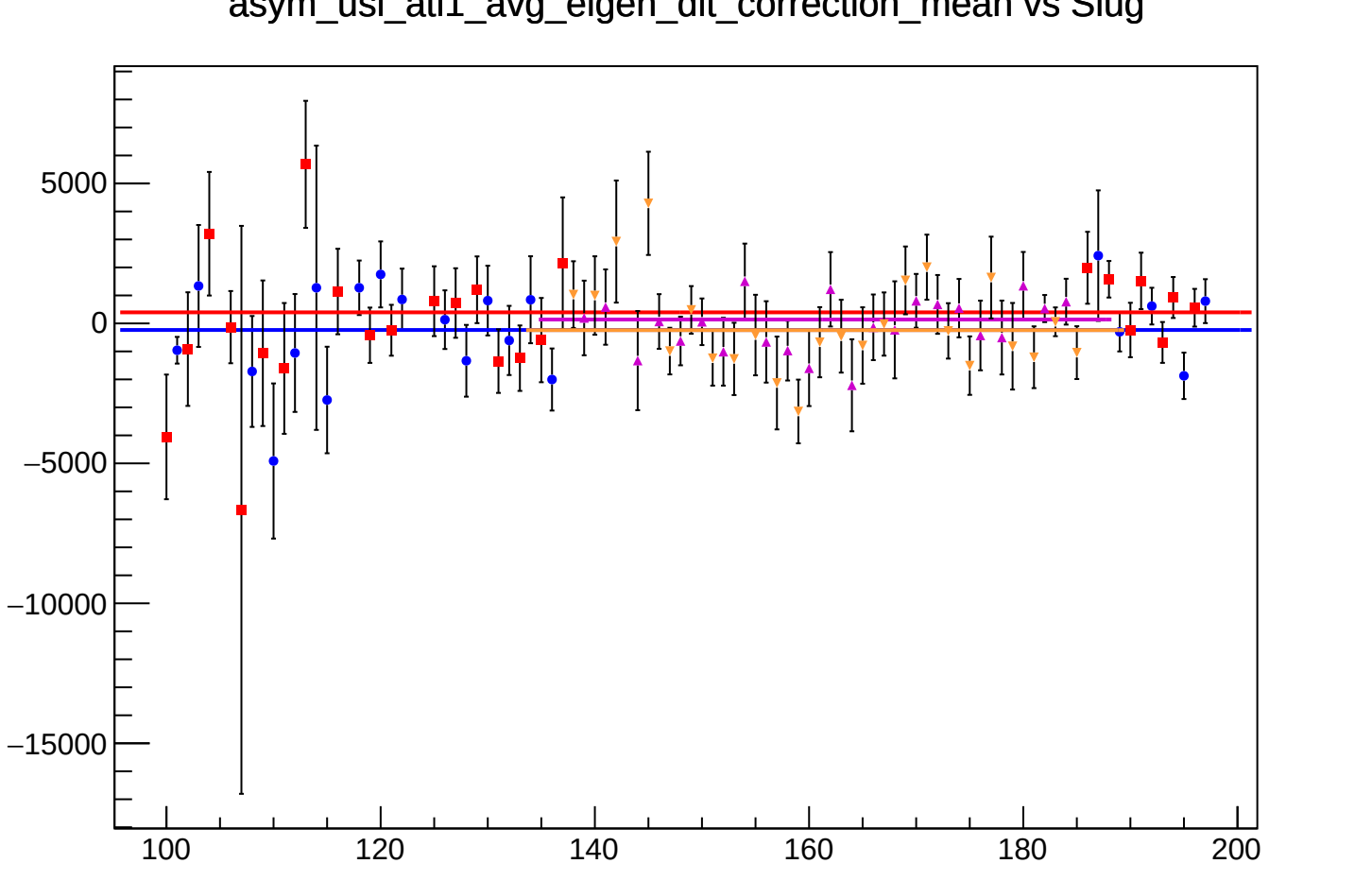
Right Out: 1565.848+/-0.324 χ^2/NDF: 264020.0/24

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1489.047+/-0.195 χ^2/NDF: 151488.4/44

All: 1497.761+/-0.138 χ^2/NDF: 476620.0/92

- sign 1506.435+/-0.195 χ^2/NDF: 321148.9/47



Right In: -234.656+/-224.749 χ^2/NDF: 27.7/20

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 395.466+/-226.416 χ^2/NDF: 29.7/24

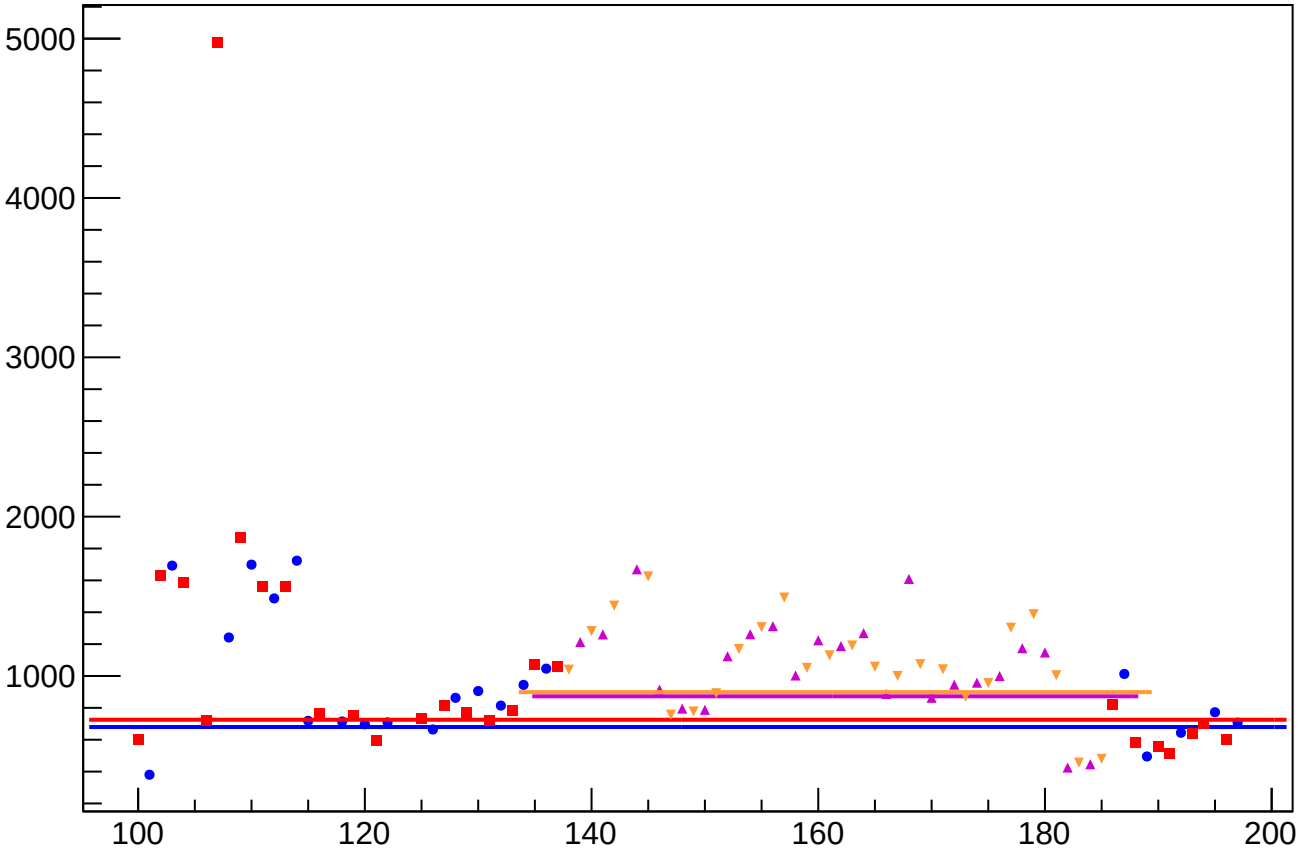
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -237.500+/-157.864 χ^2/NDF: 60.2/44

All: 13.453+/-111.398 χ^2/NDF: 108.6/92

- sign 262.359+/-157.219 χ^2/NDF: 43.4/47

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 679.675+/-0.159 χ^2/NDF: 2656429.2/20

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 725.385+/-0.160 χ^2/NDF: 2534429.6/24

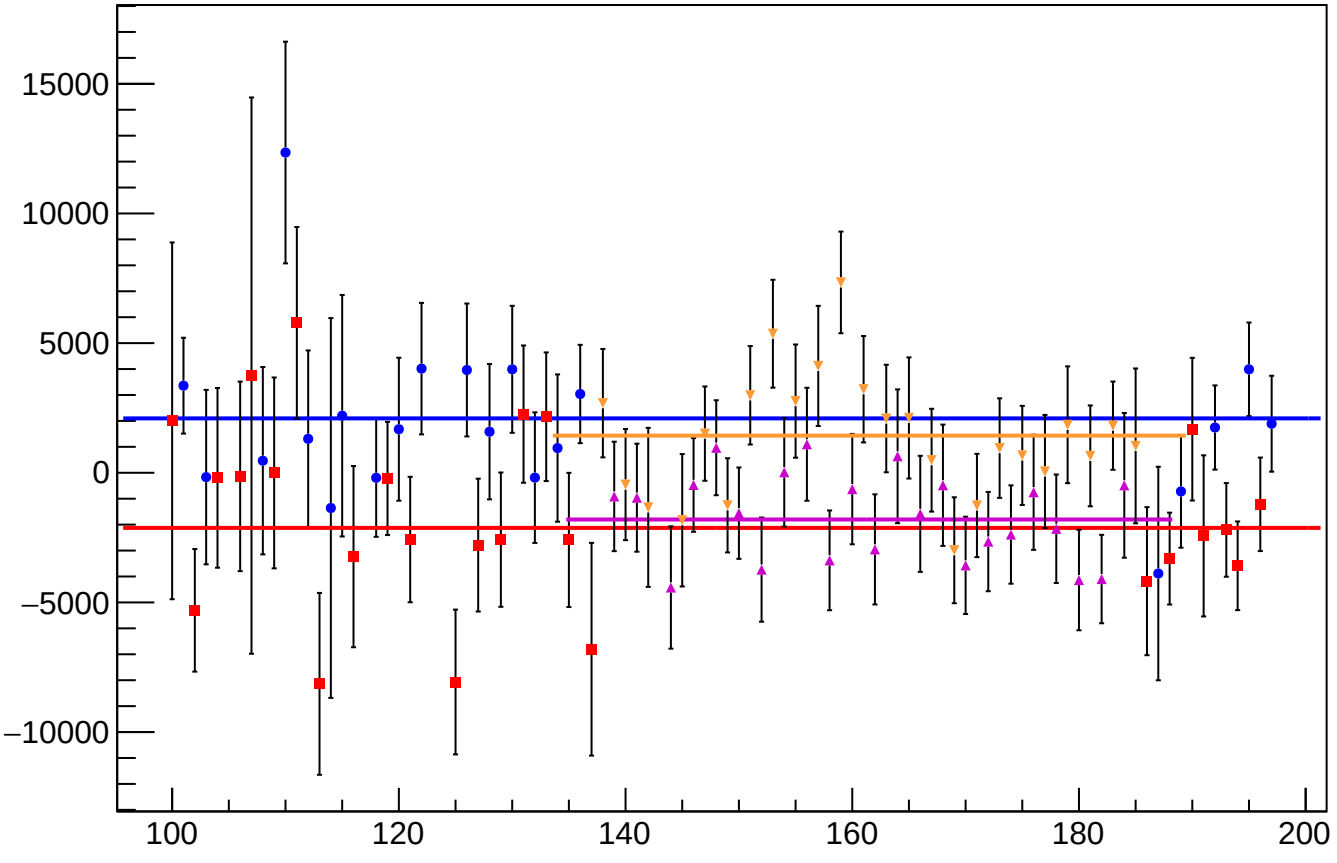
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 790.716+/-0.112 χ^2/NDF: 7411592.8/44

All: 796.156+/-0.079 χ^2/NDF: 14823363.2/92

- sign 801.552+/-0.111 χ^2/NDF: 7407038.8/47

asym_usl_atl1_avg_mean vs Slug



Right In: 2097.344+/-540.761 χ^2/NDF: 16.1/20

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2125.823+/-524.504 χ^2/NDF: 27.4/24

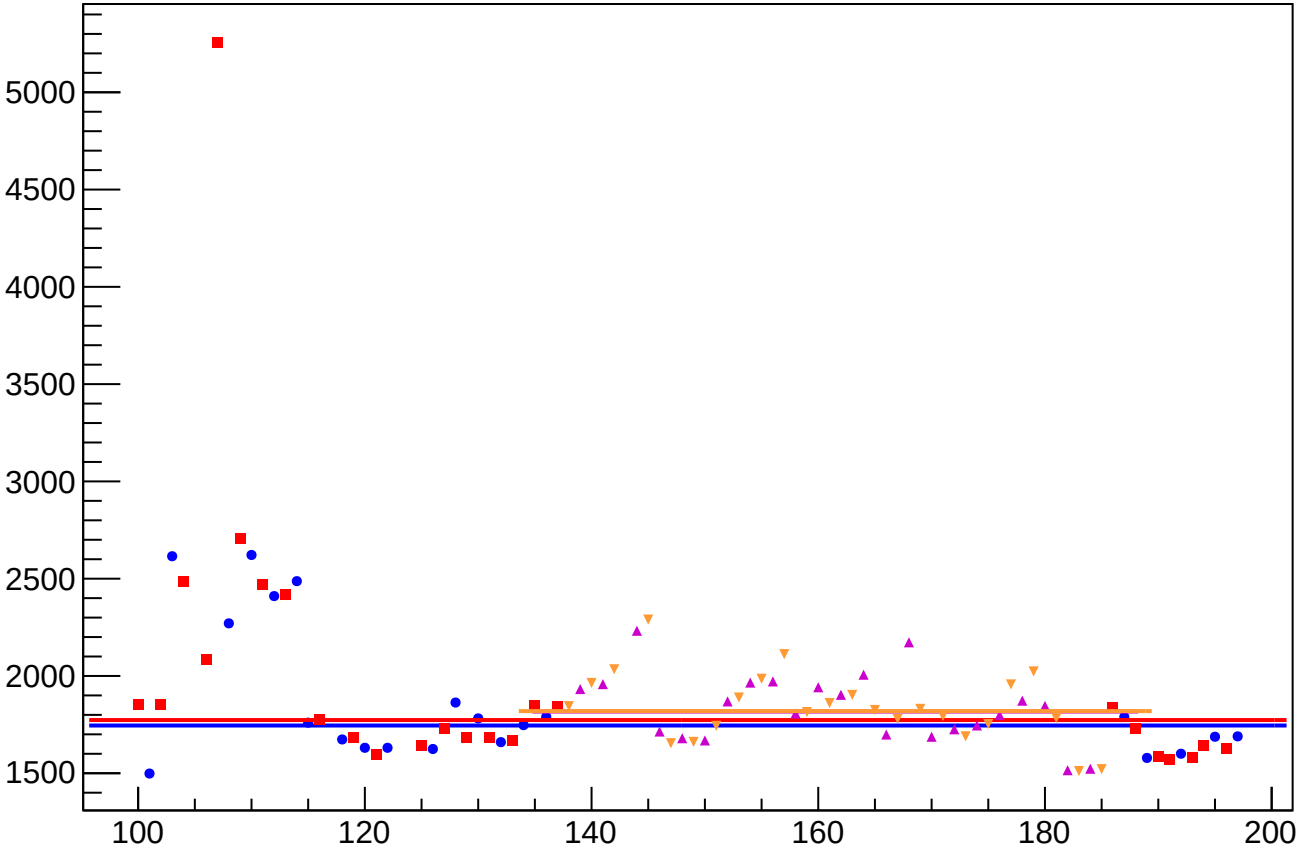
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1686.468+/-333.890 χ^2/NDF: 46.4/44

All: -138.344+/-235.031 χ^2/NDF: 148.6/92

- sign -1930.610+/-330.899 χ^2/NDF: 42.9/47

asym_usl_atl1_avg_rms vs Slug



Right In: 1745.352+/-0.382 χ^2/NDF: 446232.0/20

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

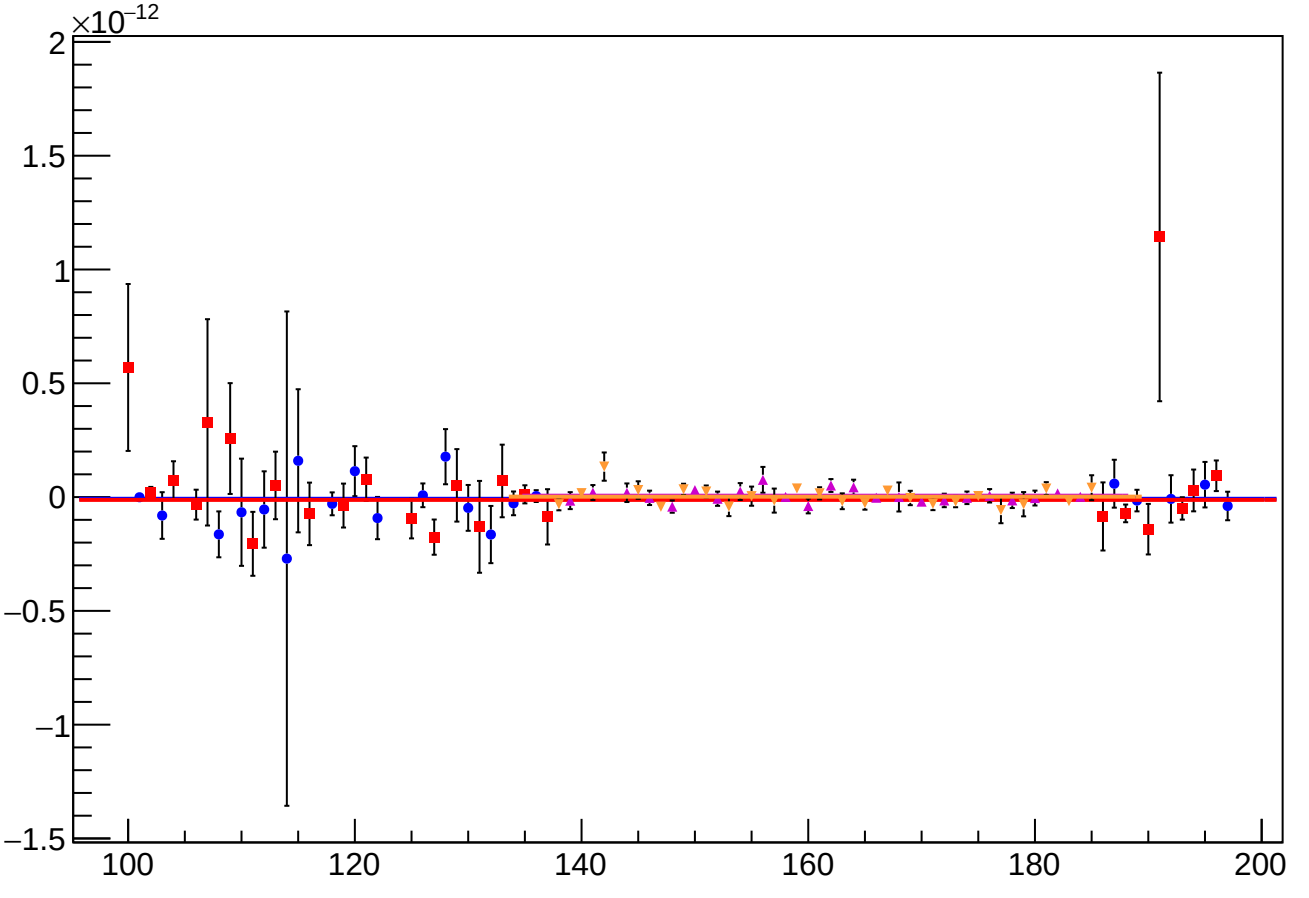
Right Out: 1773.438+/-0.371 χ^2/NDF: 678035.6/24

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1791.181+/-0.236 χ^2/NDF: 764462.4/44

All: 1795.502+/-0.166 χ^2/NDF: 1758624.3/92

- sign 1799.747+/-0.234 χ^2/NDF: 993497.7/47



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

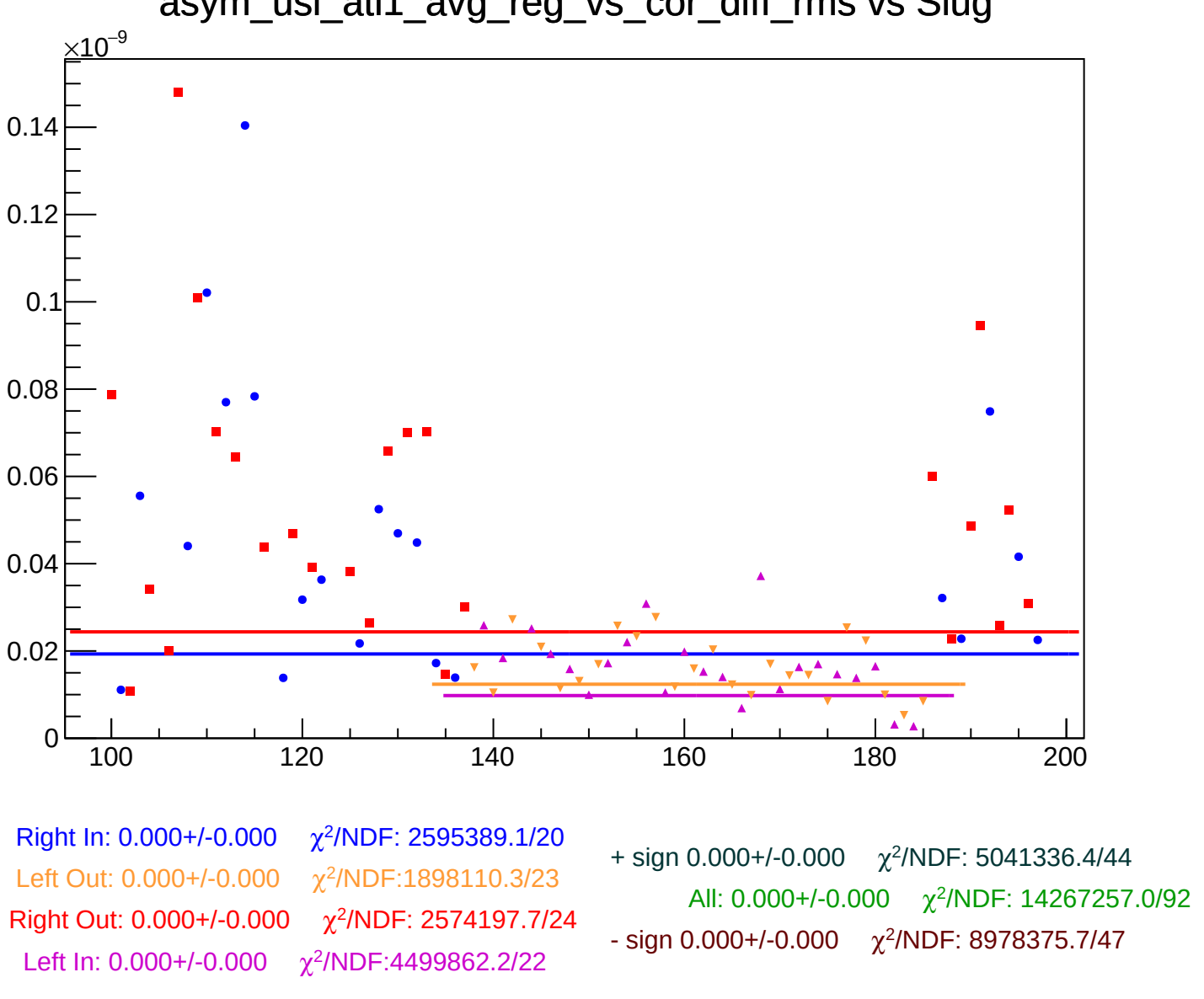
Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/24

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

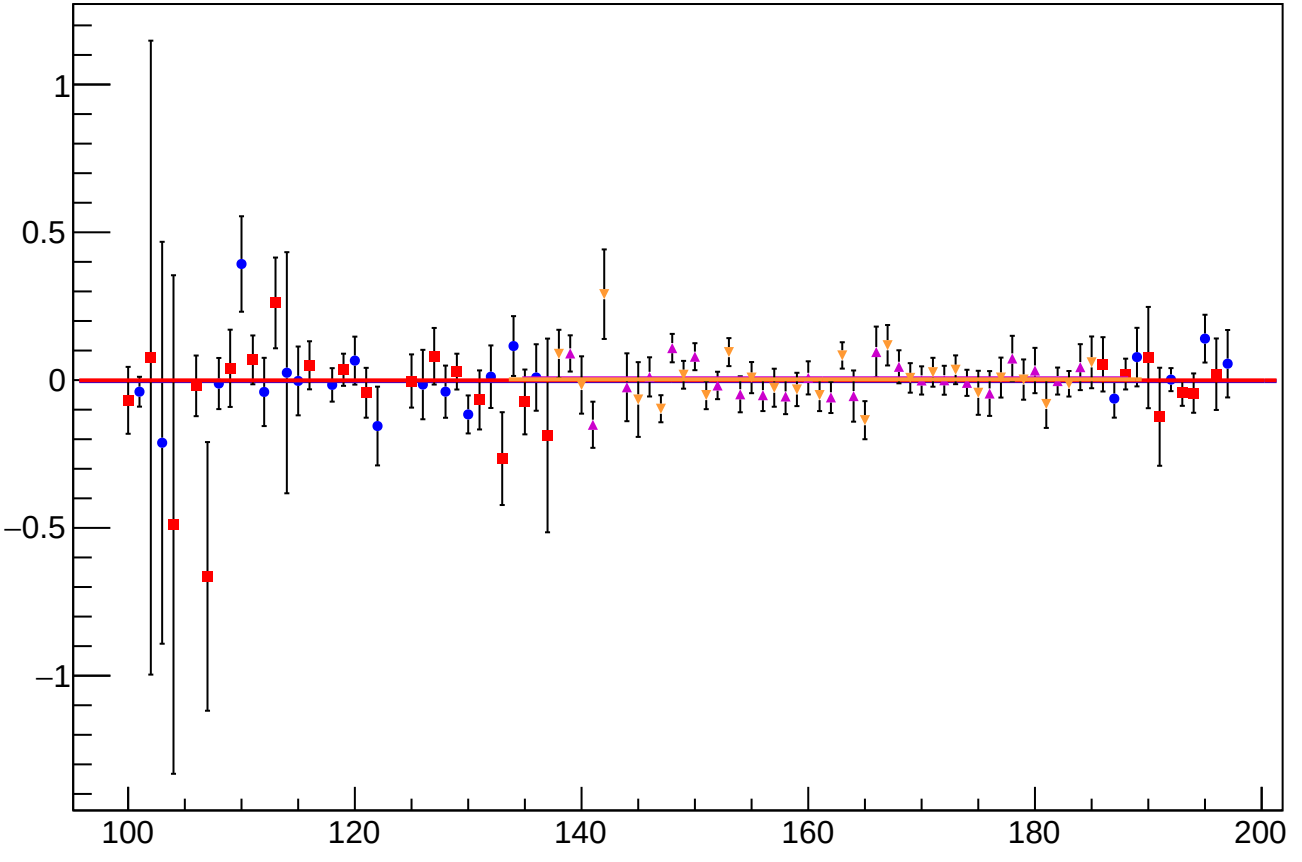
+ sign 0.000+/-0.000 χ^2/NDF: 41.1/44

All: 0.000+/-0.000 χ^2/NDF: 87.8/92

- sign 0.000+/-0.000 χ^2/NDF: 46.3/47


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2595389.1/20
Left Out: 0.000+/-0.000 χ²/NDF:1898110.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2574197.7/24
Left In: 0.000+/-0.000 χ²/NDF:4499862.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5041336.4/44
All: 0.000+/-0.000 χ²/NDF: 14267257.0/92
- sign 0.000+/-0.000 χ²/NDF: 8978375.7/47

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.018 χ^2/NDF: 18.4/20

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

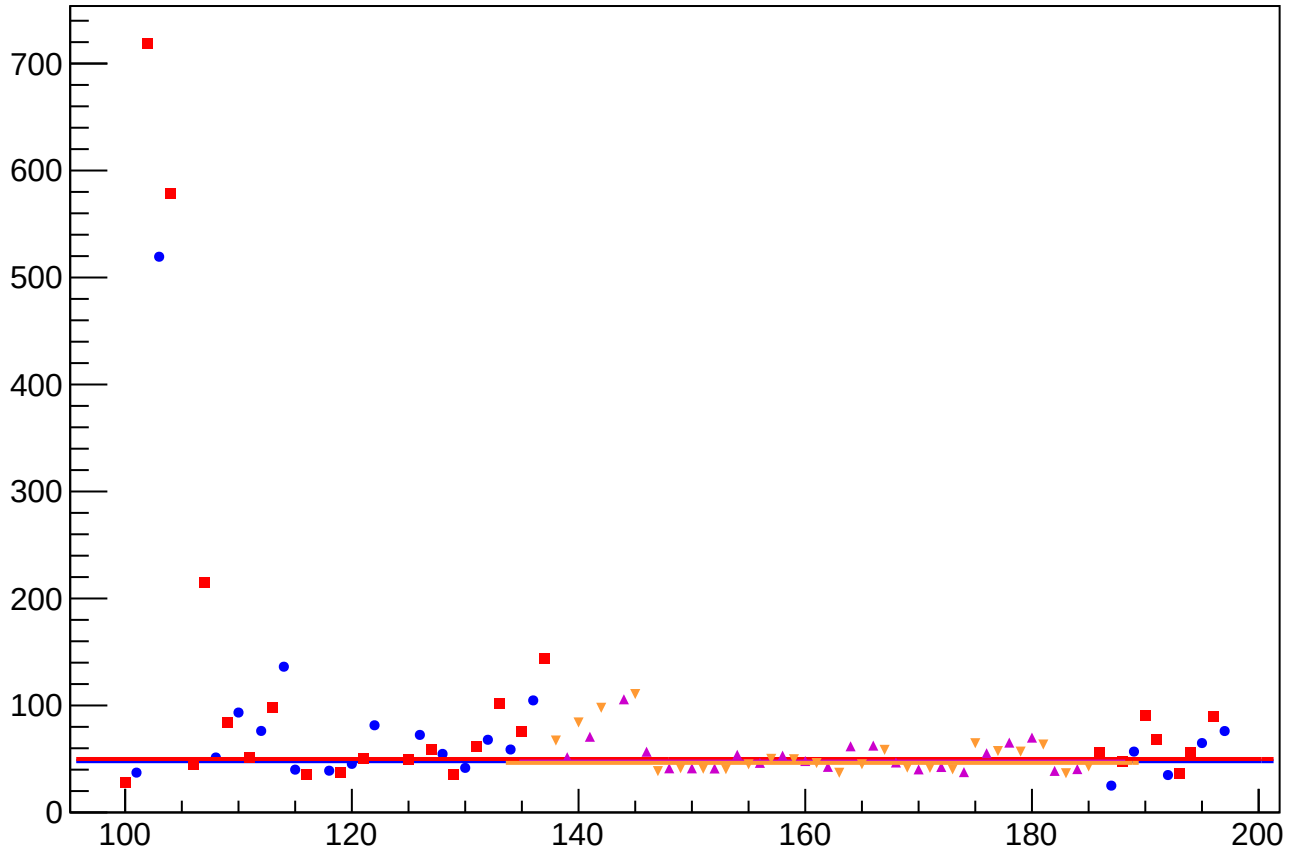
Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/24

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.010 χ^2/NDF: 48.4/44

All: 0.002+/-0.007 χ^2/NDF: 85.5/92

- sign 0.004+/-0.010 χ^2/NDF: 37.1/47



Right In: 47.908+/-0.013 χ^2/NDF: 3037346.5/20

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 49.976+/-0.013 χ^2/NDF: 3634556.3/24

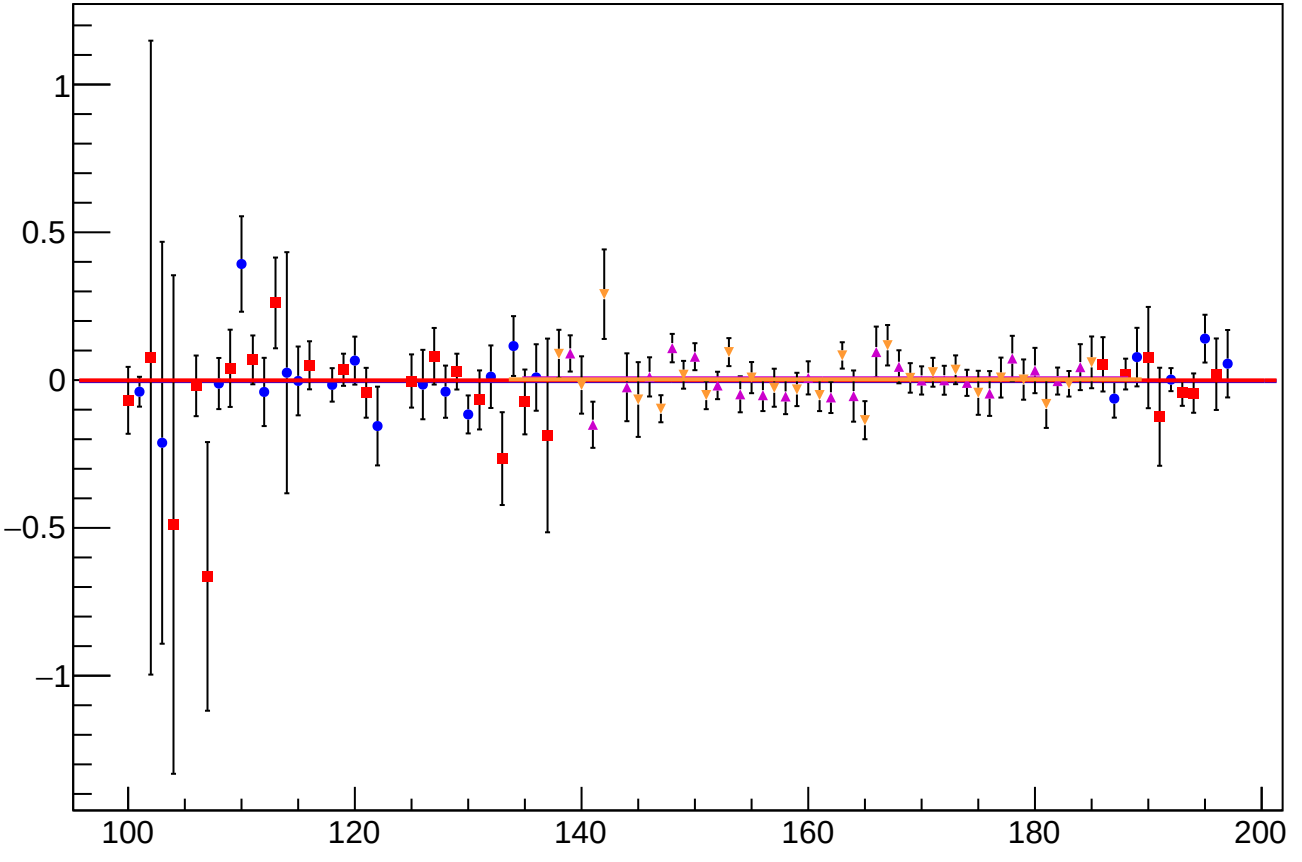
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.836+/-0.007 χ^2/NDF: 5015703.8/44

All: 47.577+/-0.005 χ^2/NDF: 10274229.0/92

- sign 48.339+/-0.007 χ^2/NDF: 5235686.6/47

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.018 χ^2/NDF: 18.4/20

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/24

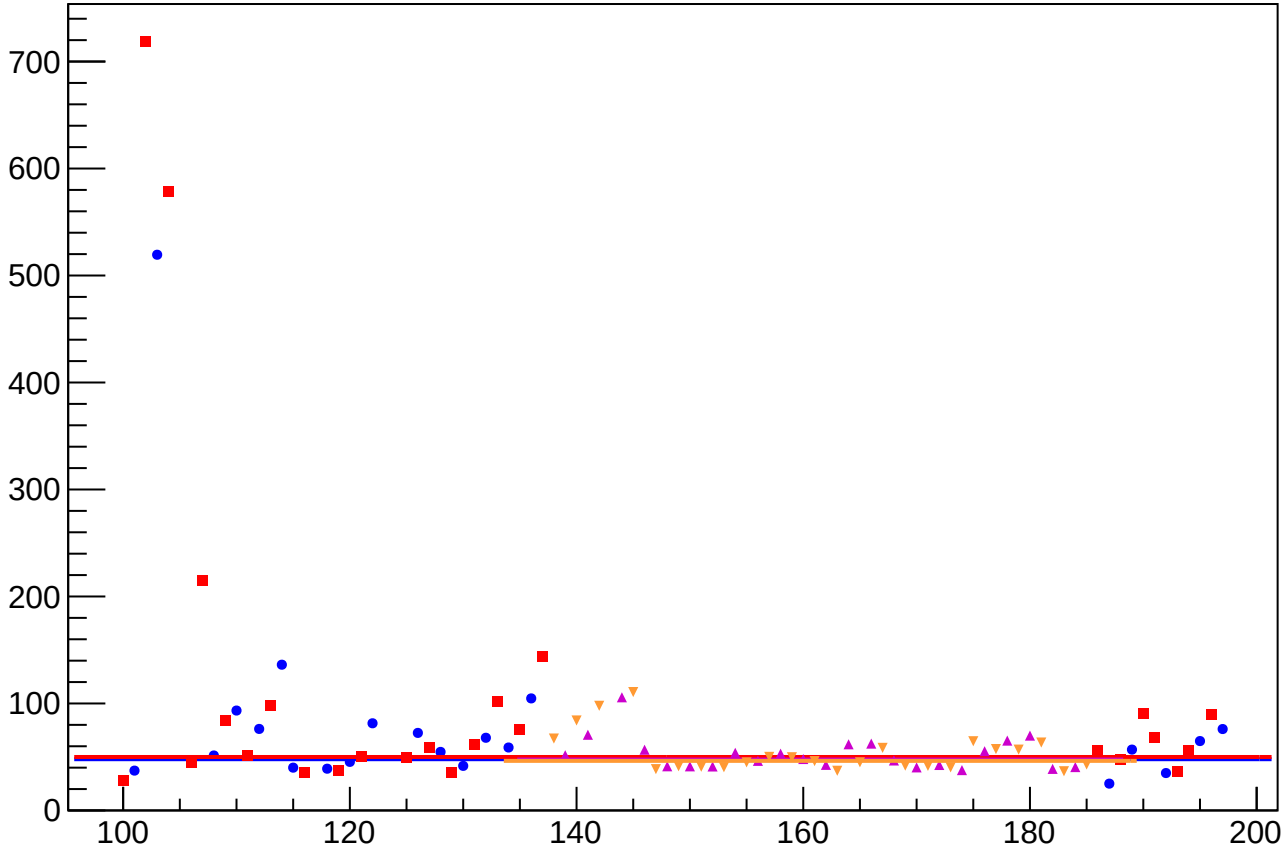
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.010 χ^2/NDF: 48.4/44

All: 0.002+/-0.007 χ^2/NDF: 85.5/92

- sign 0.004+/-0.010 χ^2/NDF: 37.1/47

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.908+/-0.013 χ^2/NDF: 3037346.5/20

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

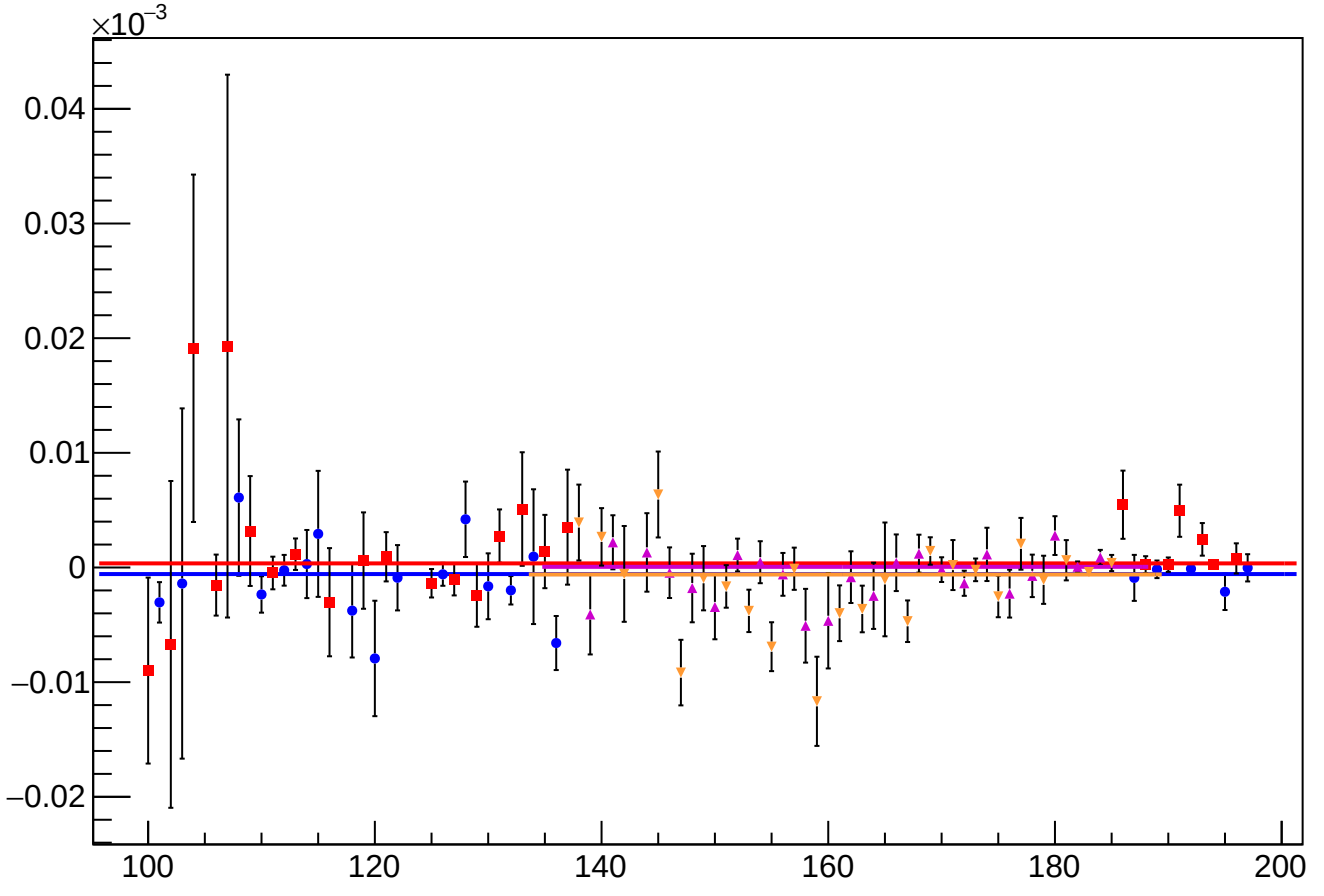
Right Out: 49.976+/-0.013 χ^2/NDF: 3634556.3/24

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.836+/-0.007 χ^2/NDF: 5015703.8/44

All: 47.577+/-0.005 χ^2/NDF: 10274229.0/92

- sign 48.339+/-0.007 χ^2/NDF: 5235686.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

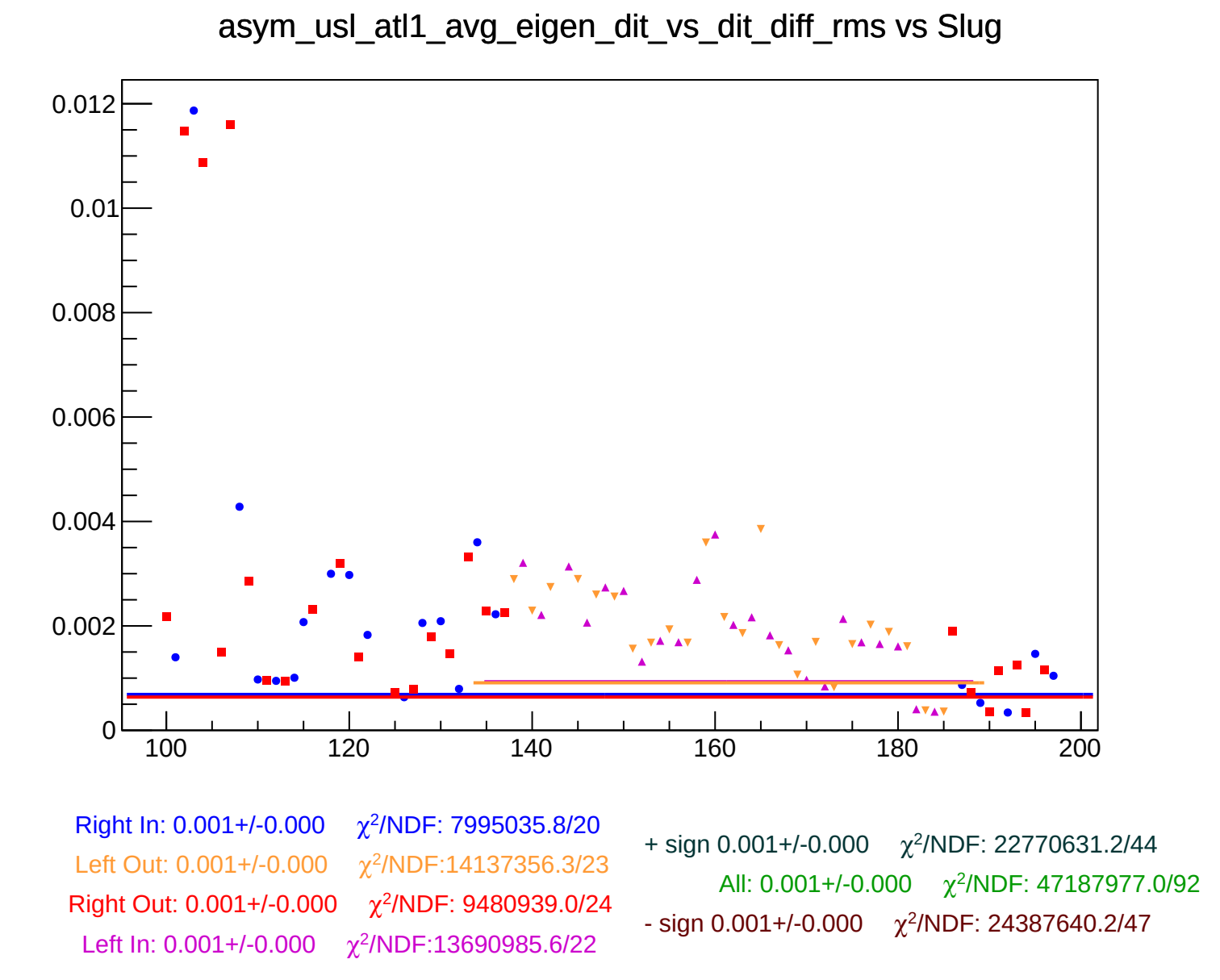
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/24

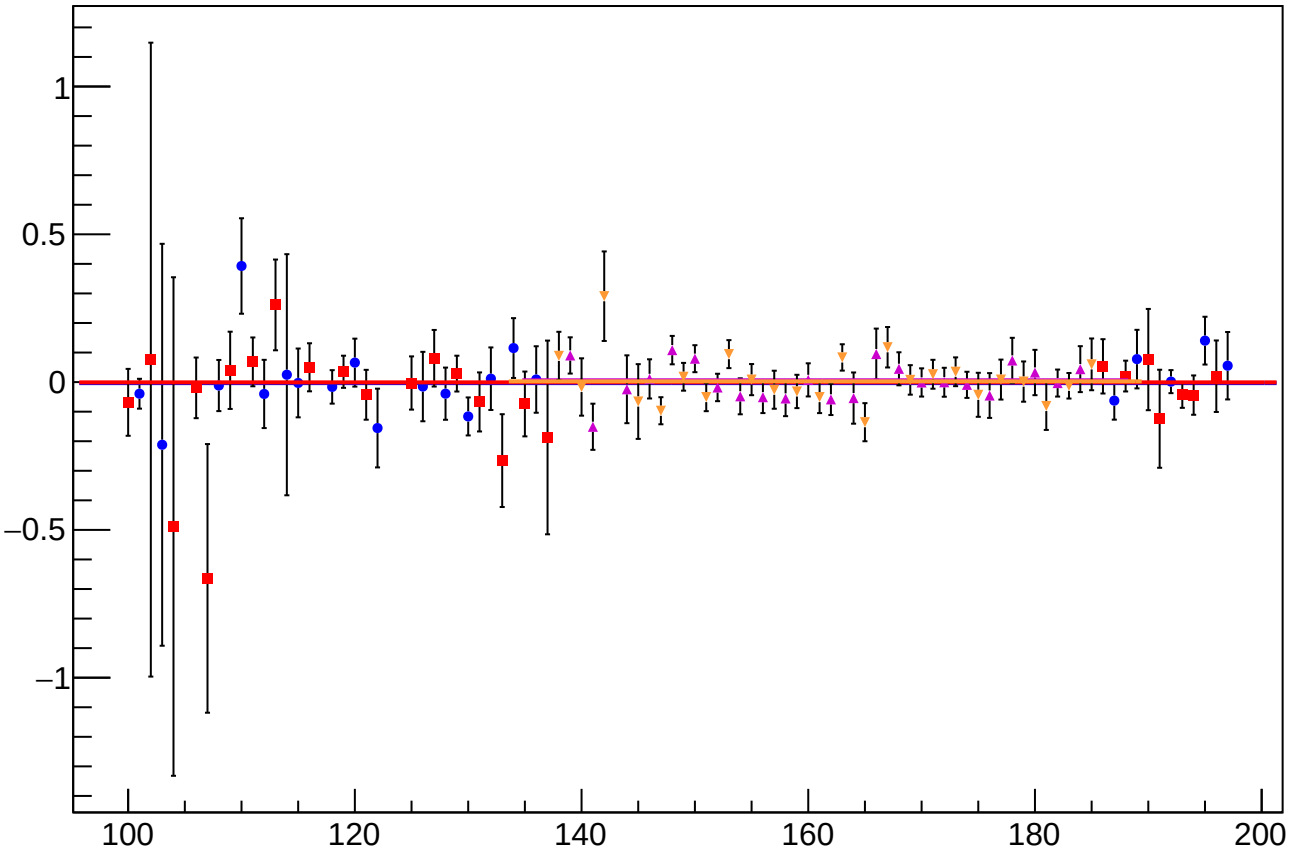
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.3/44

All: -0.000+/-0.000 χ^2/NDF: 123.7/92

- sign 0.000+/-0.000 χ^2/NDF: 40.3/47


asym_usl_atl1_avg_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: 0.001+/-0.000 χ²/NDF: 7995035.8/20
Left Out: 0.001+/-0.000 χ²/NDF:14137356.3/23
Right Out: 0.001+/-0.000 χ²/NDF: 9480939.0/24
Left In: 0.001+/-0.000 χ²/NDF:13690985.6/22
+ sign 0.001+/-0.000 χ²/NDF: 22770631.2/44
All: 0.001+/-0.000 χ²/NDF: 47187977.0/92
- sign 0.001+/-0.000 χ²/NDF: 24387640.2/47



Right In: -0.003+/-0.018 χ^2/NDF: 18.4/20

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/24

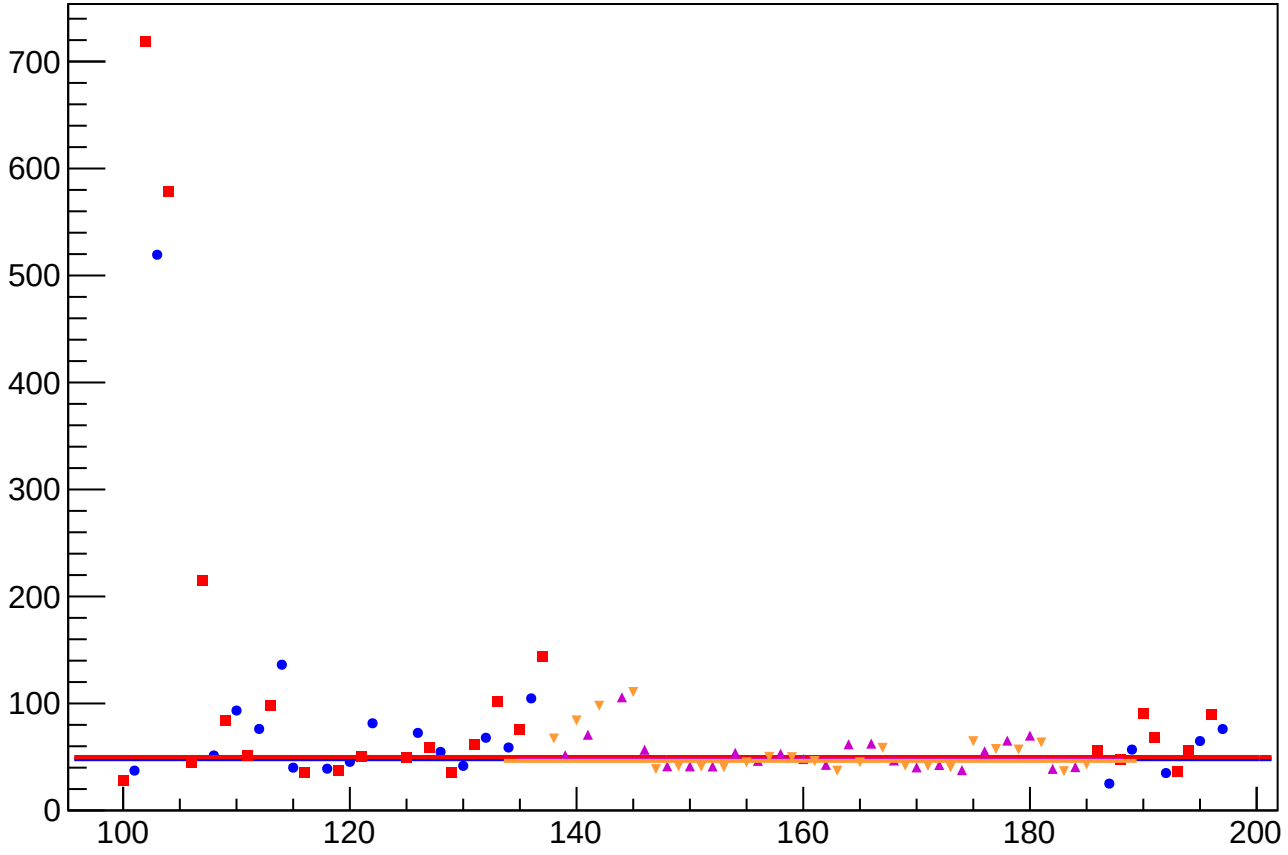
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.010 χ^2/NDF: 48.4/44

All: 0.002+/-0.007 χ^2/NDF: 85.5/92

- sign 0.004+/-0.010 χ^2/NDF: 37.1/47

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.908+/-0.013 χ^2/NDF: 3037347.2/20

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

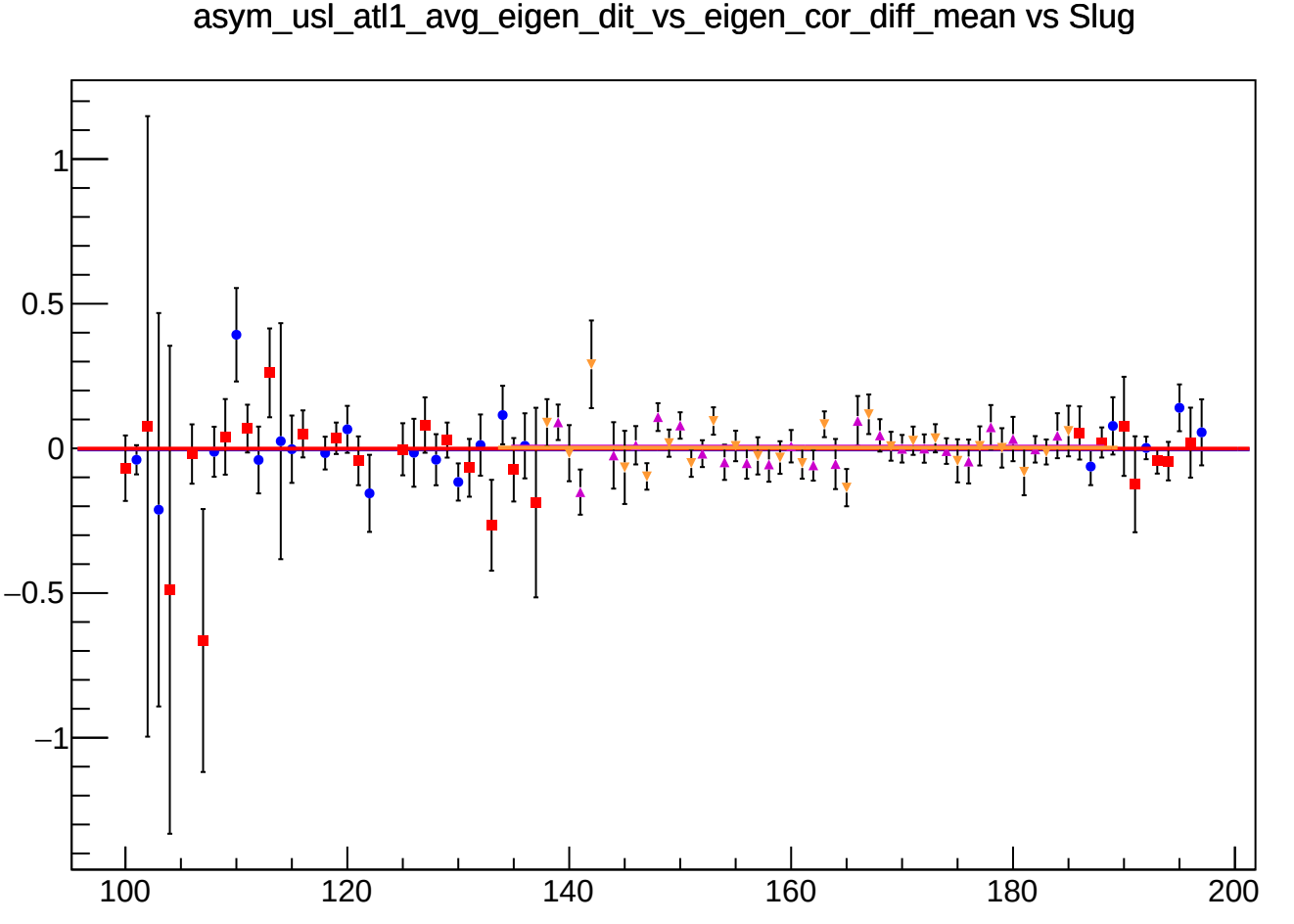
Right Out: 49.976+/-0.013 χ^2/NDF: 3634559.4/24

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.836+/-0.007 χ^2/NDF: 5015689.3/44

All: 47.577+/-0.005 χ^2/NDF: 10274215.5/92

- sign 48.339+/-0.007 χ^2/NDF: 5235691.3/47



Right In: -0.003+/-0.018 χ^2/NDF: 18.4/20

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

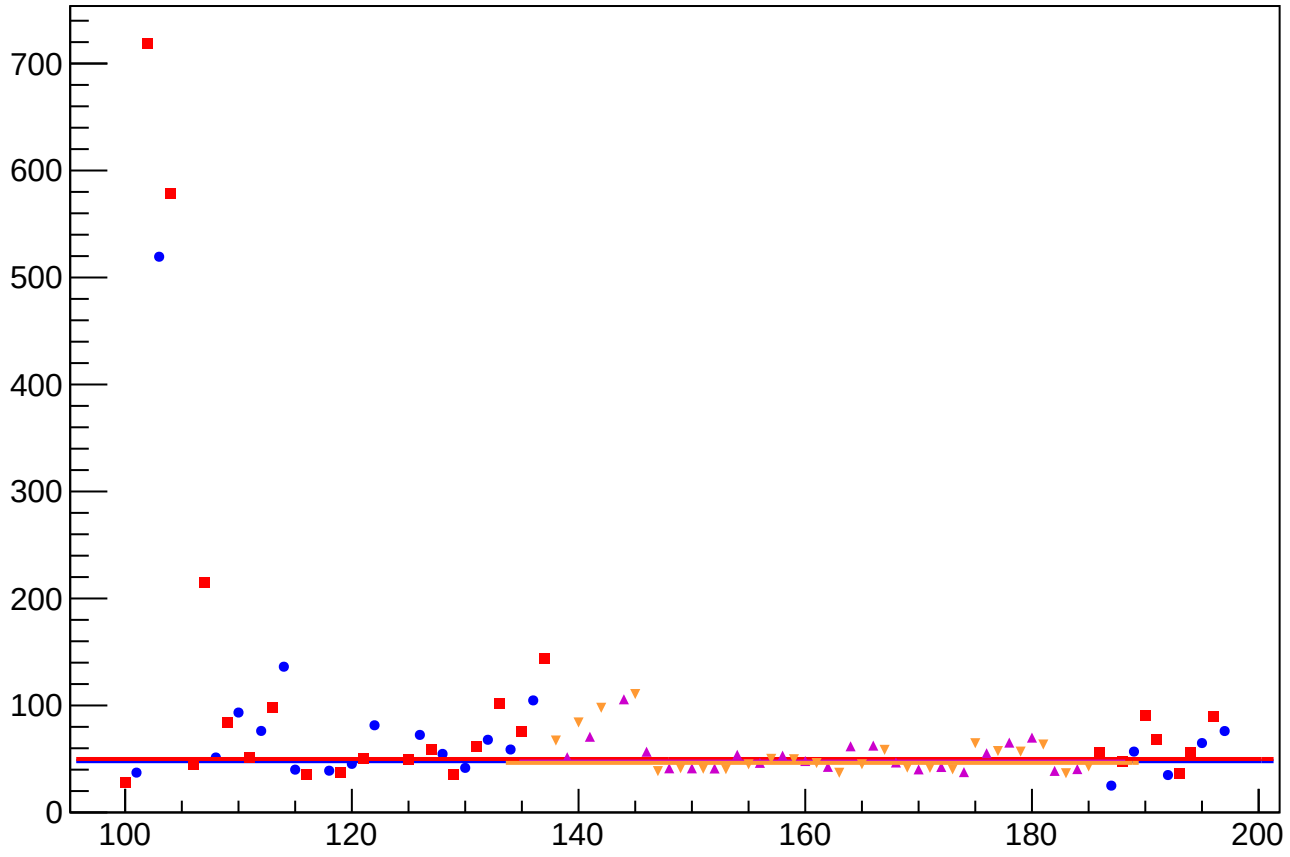
Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/24

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.010 χ^2/NDF: 48.4/44

All: 0.002+/-0.007 χ^2/NDF: 85.5/92

- sign 0.004+/-0.010 χ^2/NDF: 37.1/47



Right In: 47.908+/-0.013 χ^2/NDF: 3037347.2/20

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

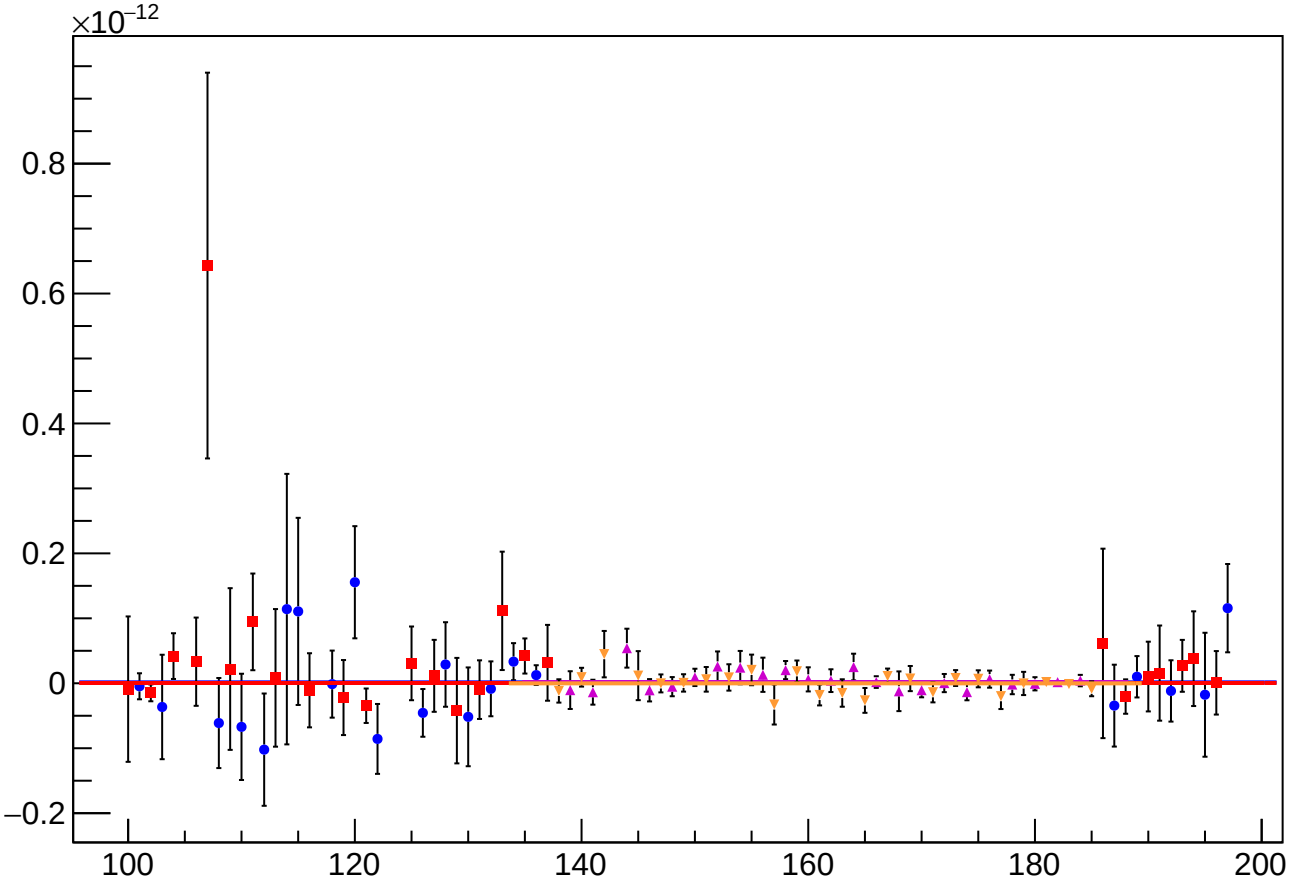
Right Out: 49.976+/-0.013 χ^2/NDF: 3634559.4/24

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.836+/-0.007 χ^2/NDF: 5015689.3/44

All: 47.577+/-0.005 χ^2/NDF: 10274215.5/92

- sign 48.339+/-0.007 χ^2/NDF: 5235691.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

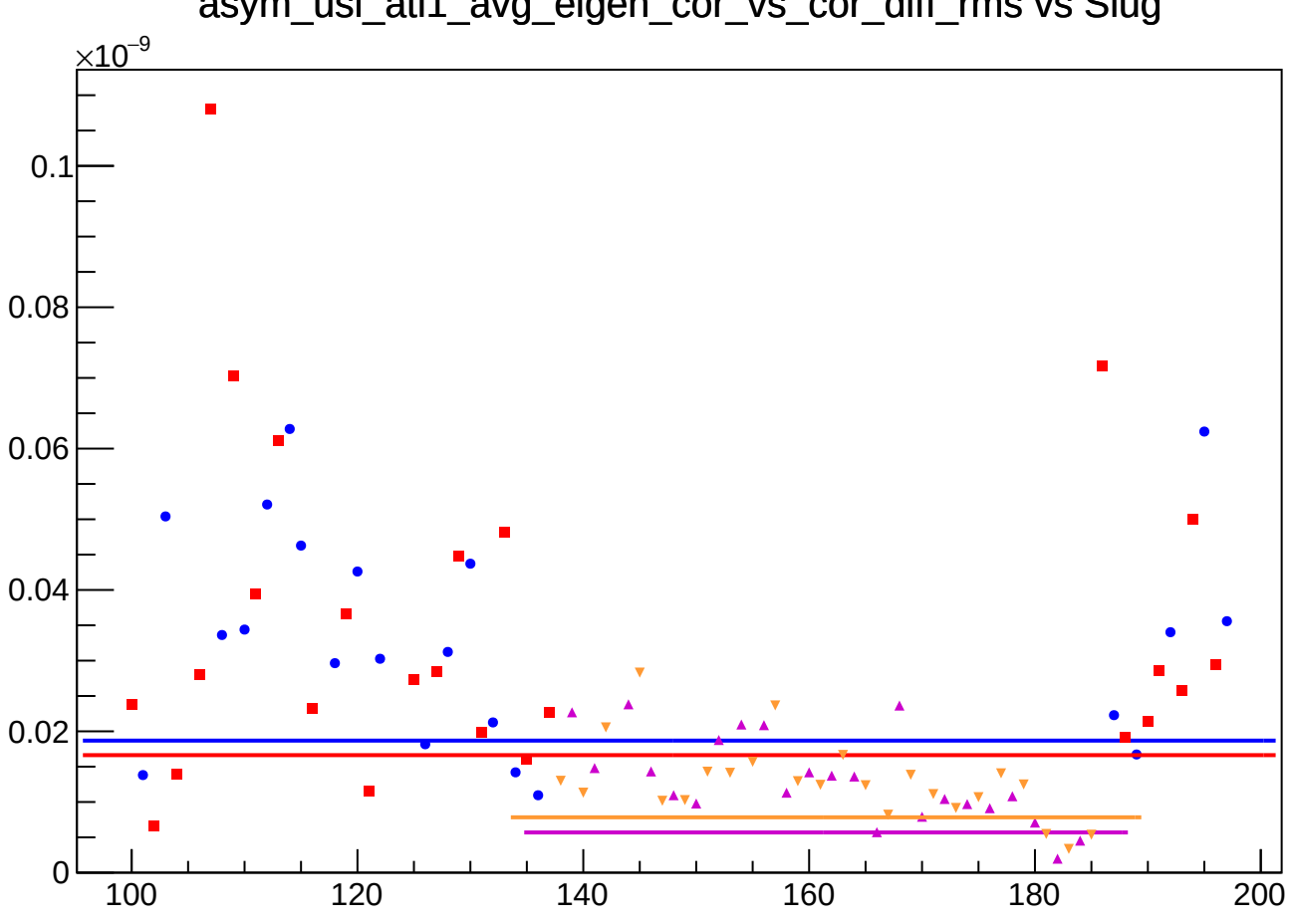
Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/24

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.3/44

All: 0.000+/-0.000 χ^2/NDF: 62.6/92

- sign 0.000+/-0.000 χ^2/NDF: 31.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 3029515.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4409902.9/24

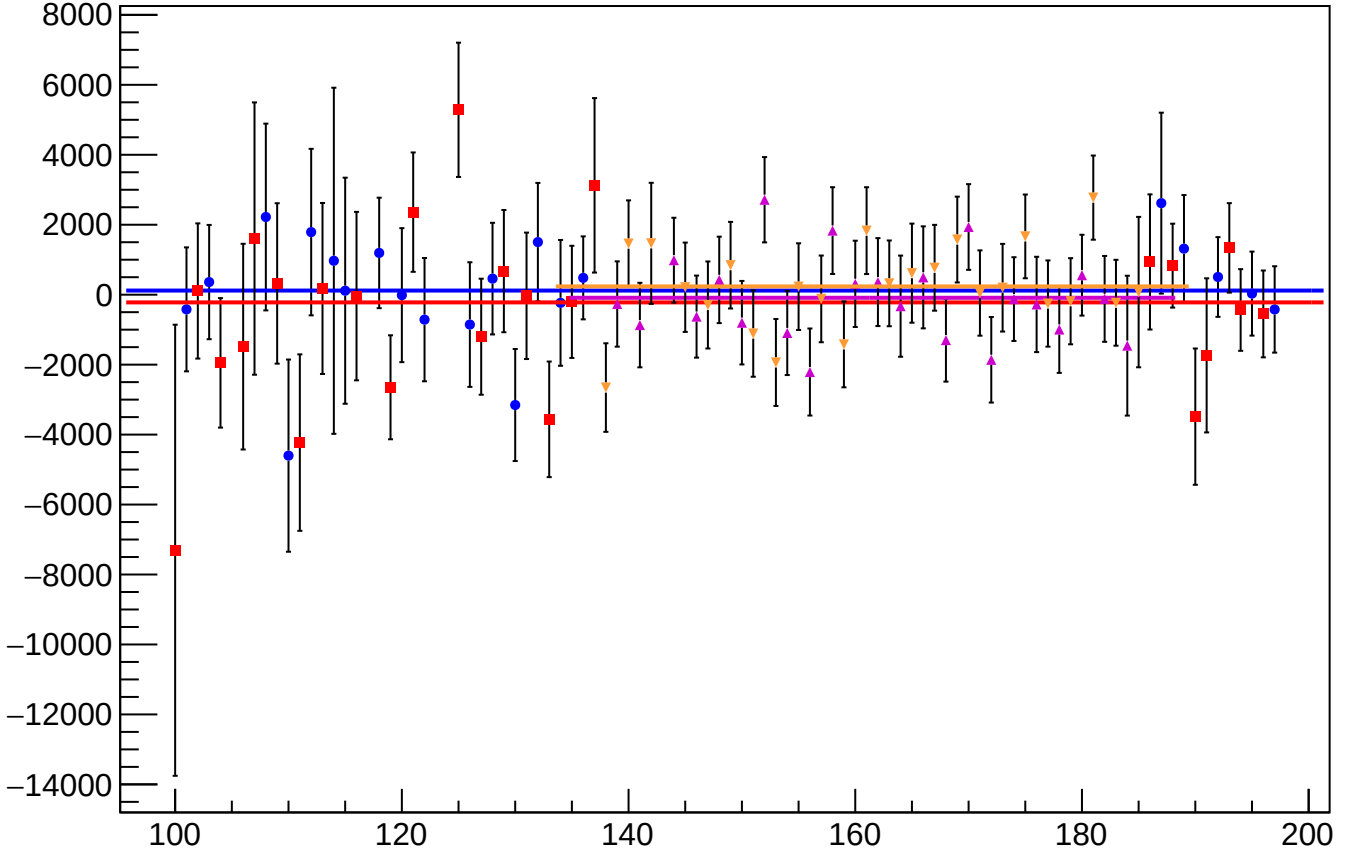
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12344809.2/44

All: 0.000+/-0.000 χ^2/NDF: 32486299.1/92

- sign 0.000+/-0.000 χ^2/NDF: 19120057.3/47

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 118.219+/-366.700 χ^2/NDF: 12.1/20

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -220.378+/-356.710 χ^2/NDF: 30.8/24

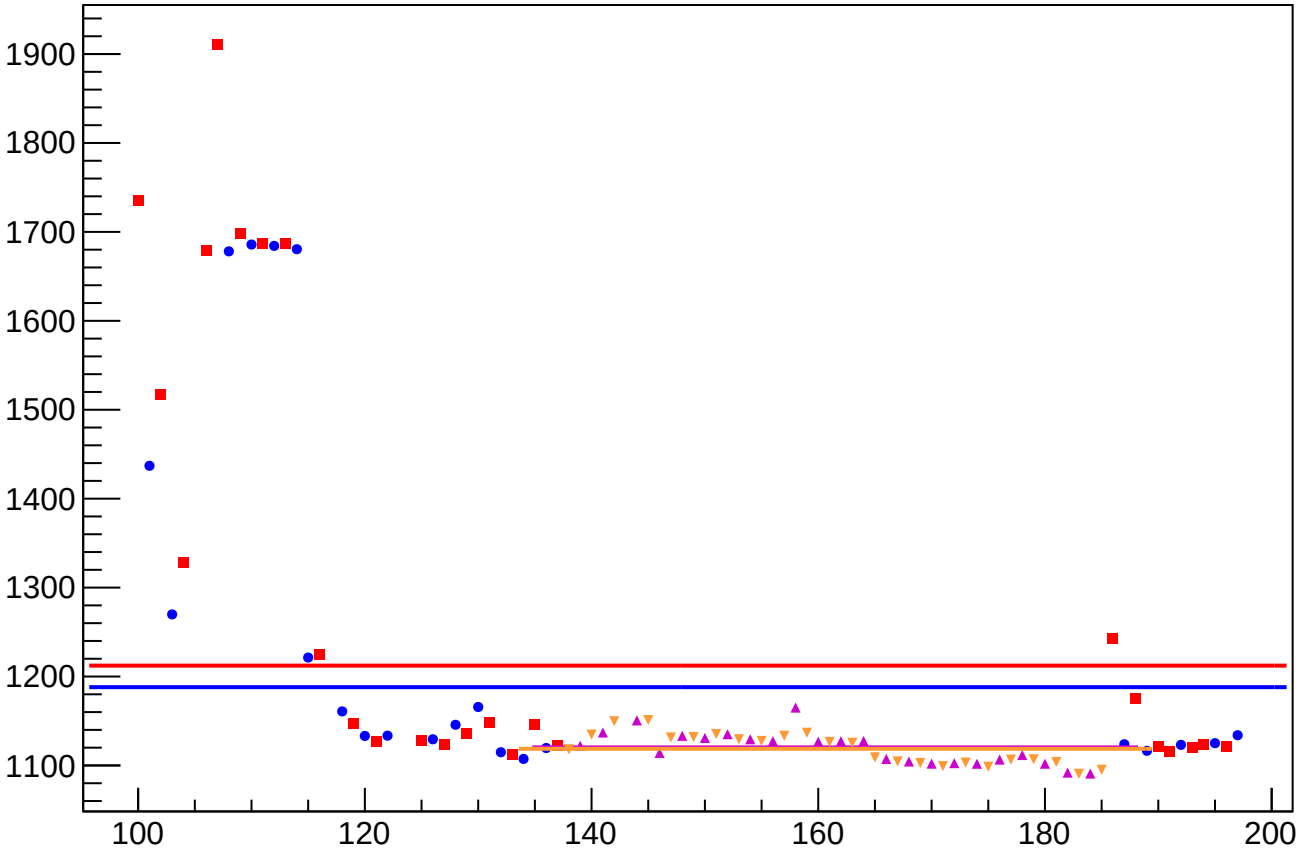
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 197.065+/-211.917 χ^2/NDF: 34.9/44

All: 30.504+/-149.506 χ^2/NDF: 87.9/92

- sign -134.545+/-210.953 χ^2/NDF: 51.8/47

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1188.039+/-0.259 χ^2/NDF: 328433.5/20

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1212.263+/-0.252 χ^2/NDF: 502422.7/24

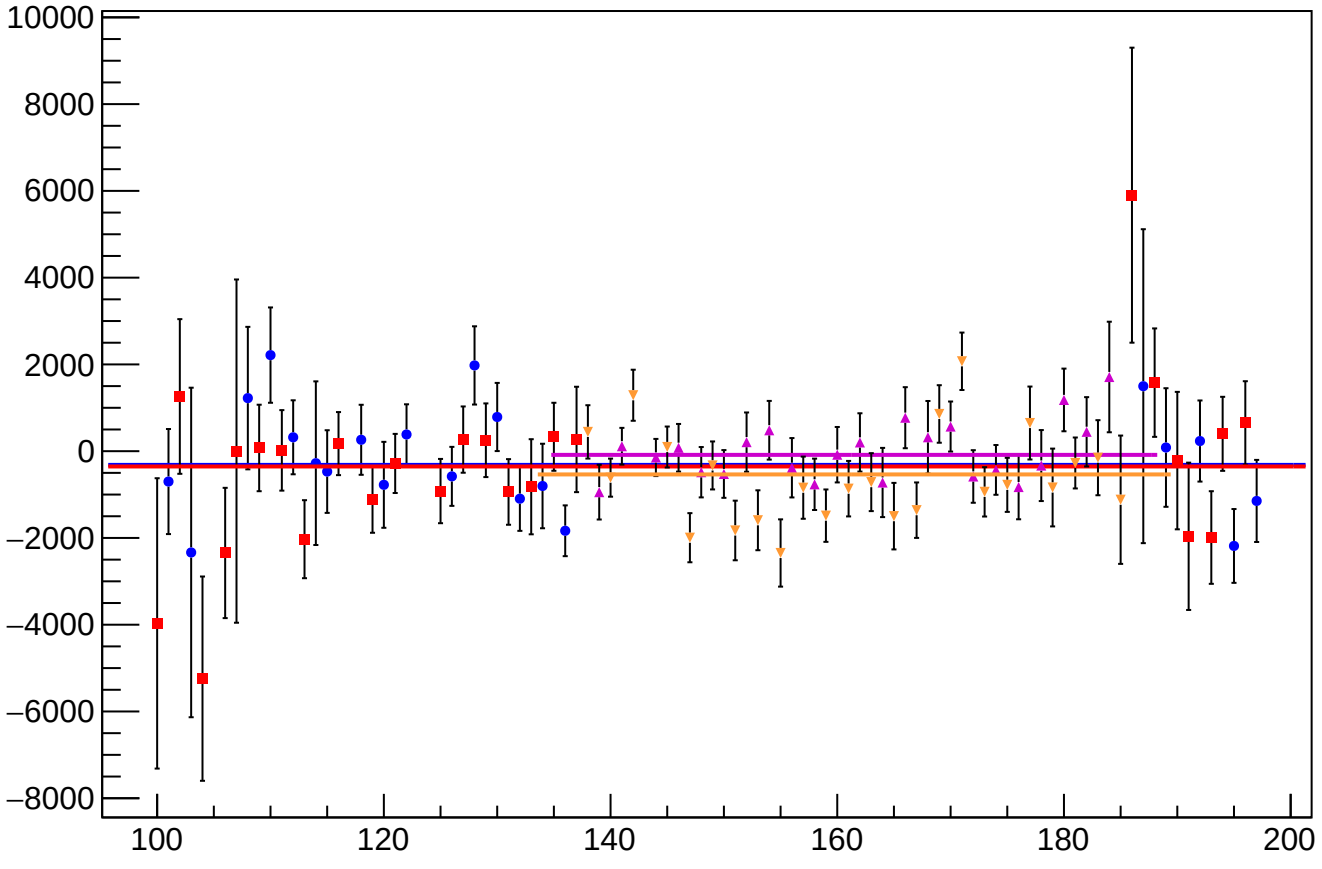
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1141.879+/-0.150 χ^2/NDF: 384219.5/44

All: 1147.198+/-0.106 χ^2/NDF: 985054.5/92

- sign 1152.468+/-0.149 χ^2/NDF: 598326.9/47

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -316.144+/-202.496 χ^2/NDF: 31.8/20

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -352.542+/-200.500 χ^2/NDF: 27.9/24

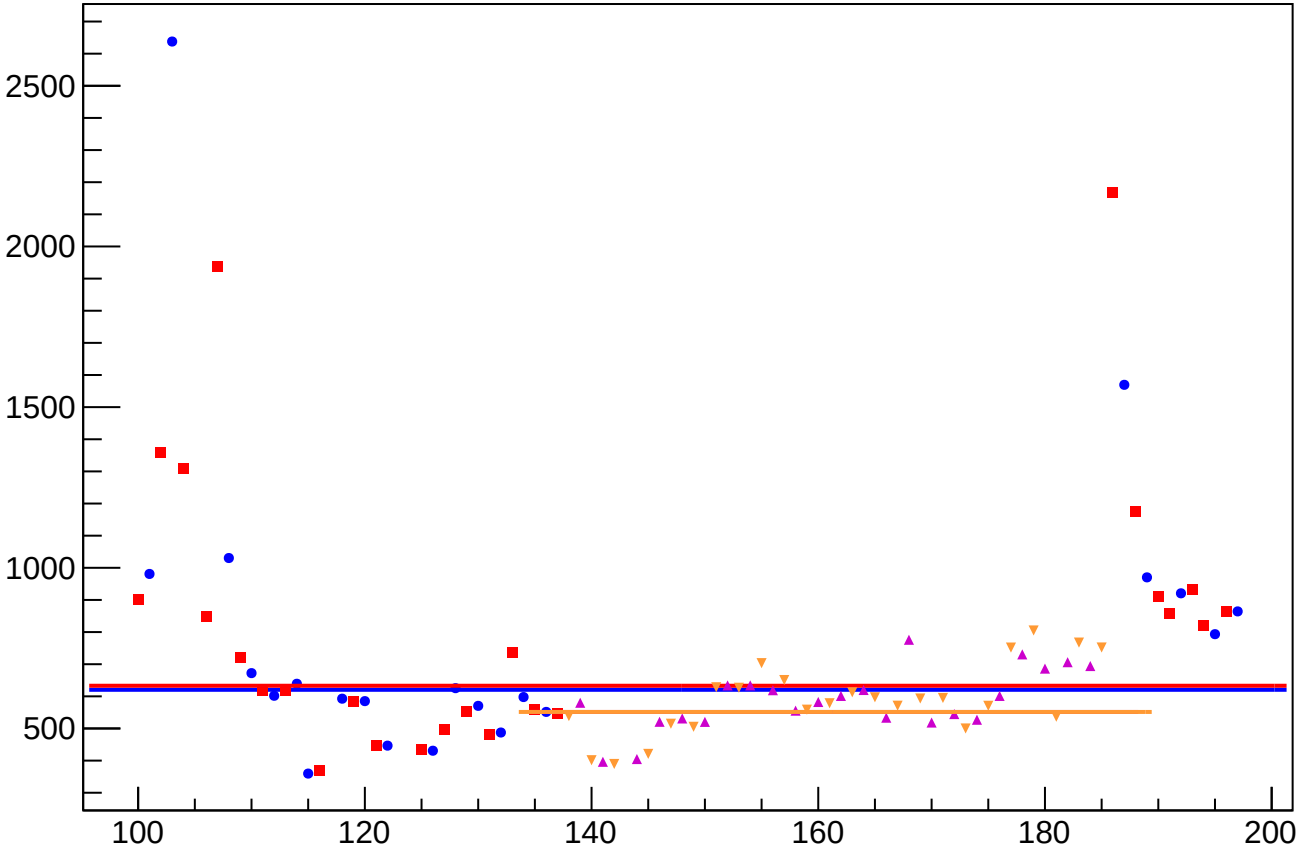
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -471.310+/-109.781 χ^2/NDF: 94.2/44

All: -318.064+/-77.579 χ^2/NDF: 144.4/92

- sign -165.191+/-109.647 χ^2/NDF: 46.3/47

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 620.352+/-0.143 χ^2/NDF: 2098910.0/20

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 632.968+/-0.142 χ^2/NDF: 2810466.6/24

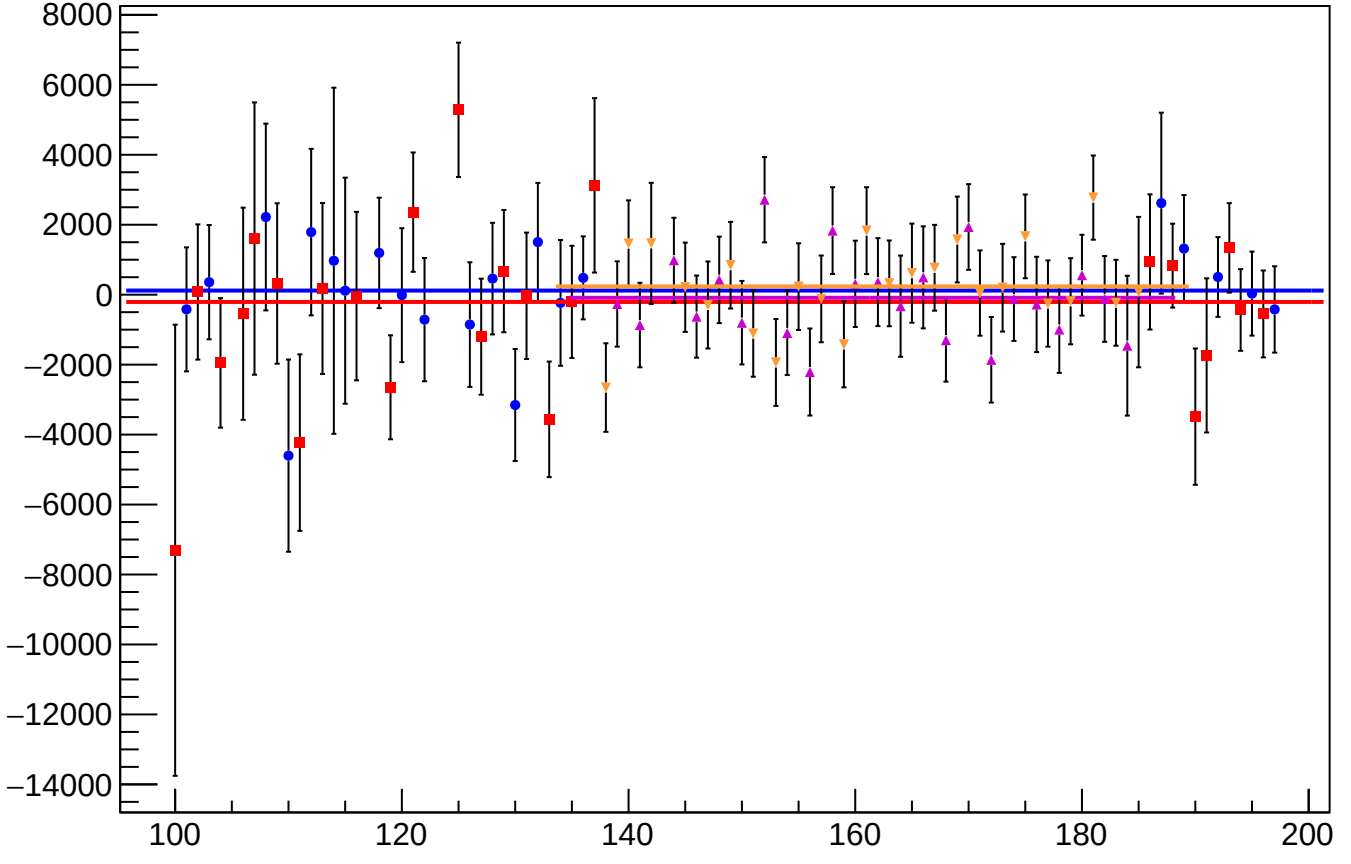
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 571.694+/-0.078 χ^2/NDF: 3489073.6/44

All: 573.724+/-0.055 χ^2/NDF: 7595052.7/92

- sign 575.749+/-0.078 χ^2/NDF: 4104612.8/47

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 118.073+/-366.700 χ^2/NDF: 12.1/20

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -207.300+/-356.869 χ^2/NDF: 30.6/24

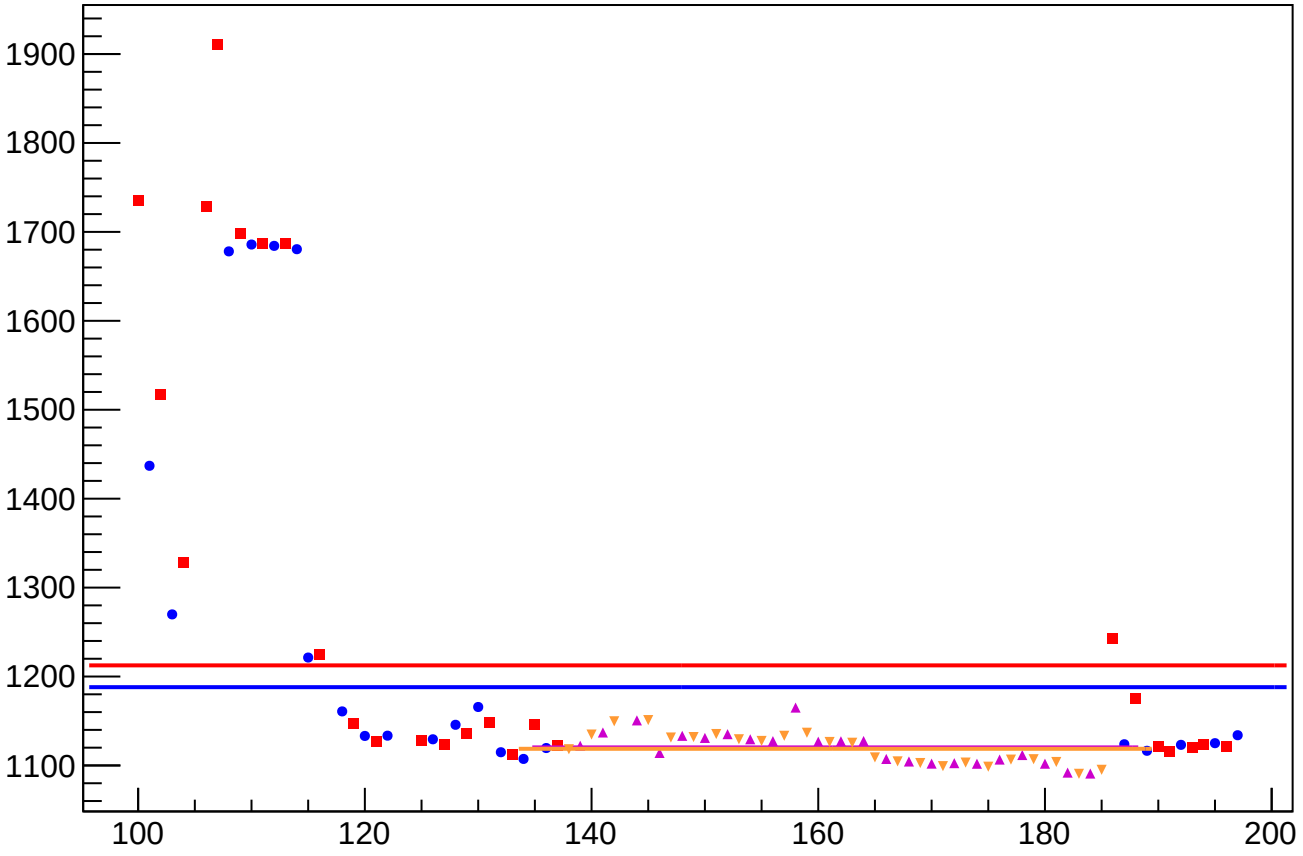
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 197.043+/-211.917 χ^2/NDF: 34.9/44

All: 32.832+/-149.518 χ^2/NDF: 87.7/92

- sign -129.940+/-210.986 χ^2/NDF: 51.6/47

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1188.039+/-0.259 χ^2/NDF: 328433.5/20

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1212.543+/-0.252 χ^2/NDF: 510082.9/24

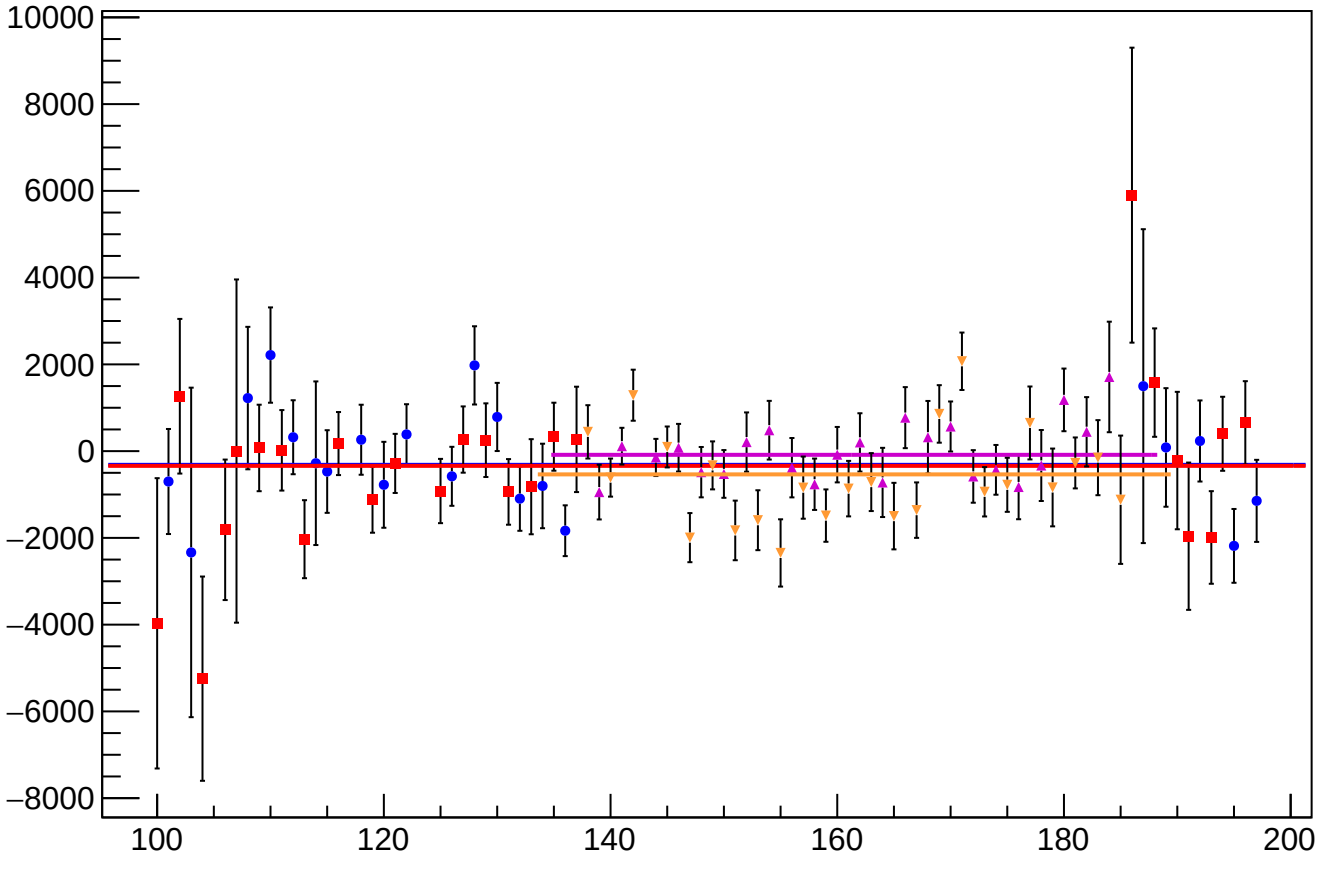
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1141.879+/-0.150 χ^2/NDF: 384219.5/44

All: 1147.237+/-0.106 χ^2/NDF: 993229.4/92

- sign 1152.548+/-0.149 χ^2/NDF: 606464.4/47

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -316.113+/-202.495 χ^2/NDF: 31.8/20

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -339.404+/-200.749 χ^2/NDF: 27.0/24

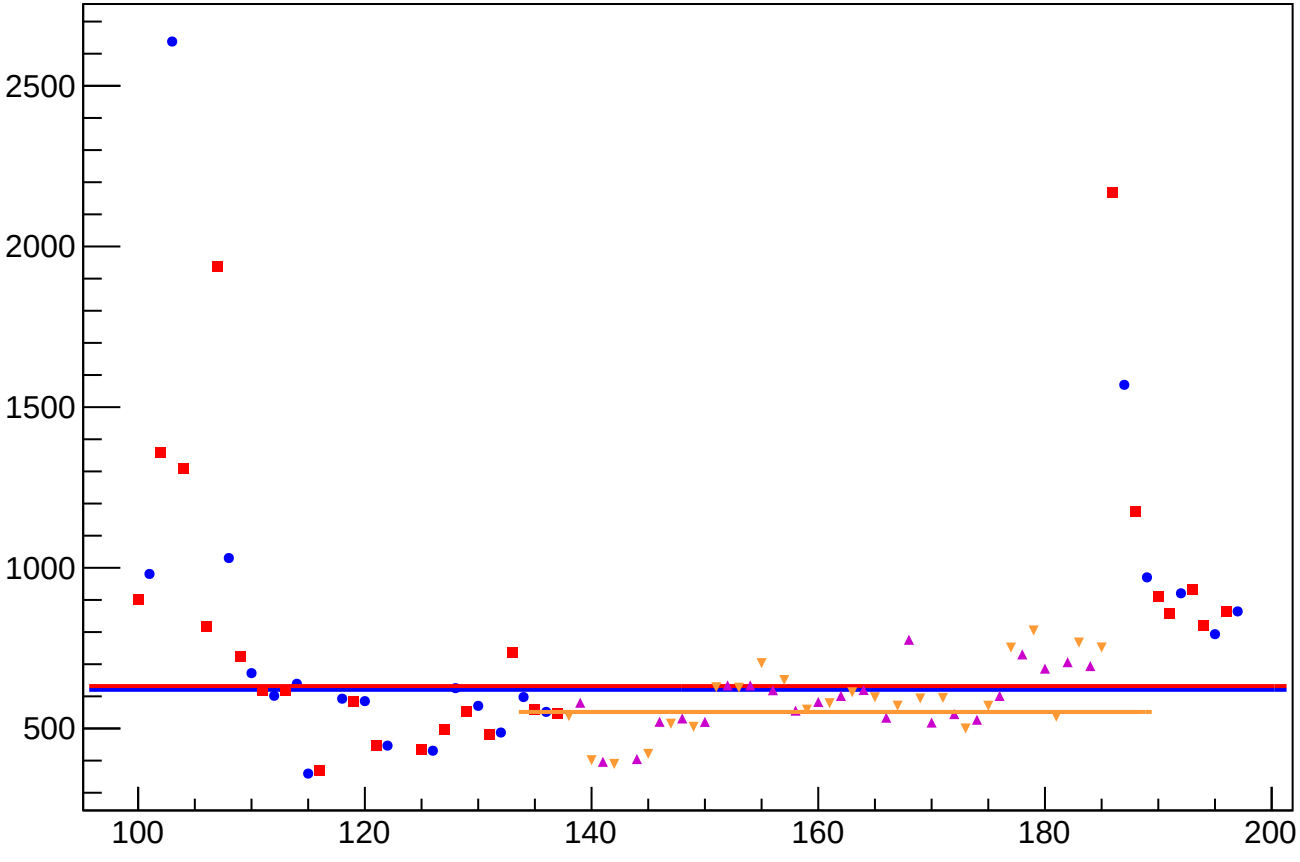
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -471.322+/-109.780 χ^2/NDF: 94.2/44

All: -316.090+/-77.594 χ^2/NDF: 143.5/92

- sign -161.121+/-109.688 χ^2/NDF: 45.2/47

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 620.347+/-0.143 χ^2/NDF: 2098907.6/20

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 631.950+/-0.142 χ^2/NDF: 2795544.7/24

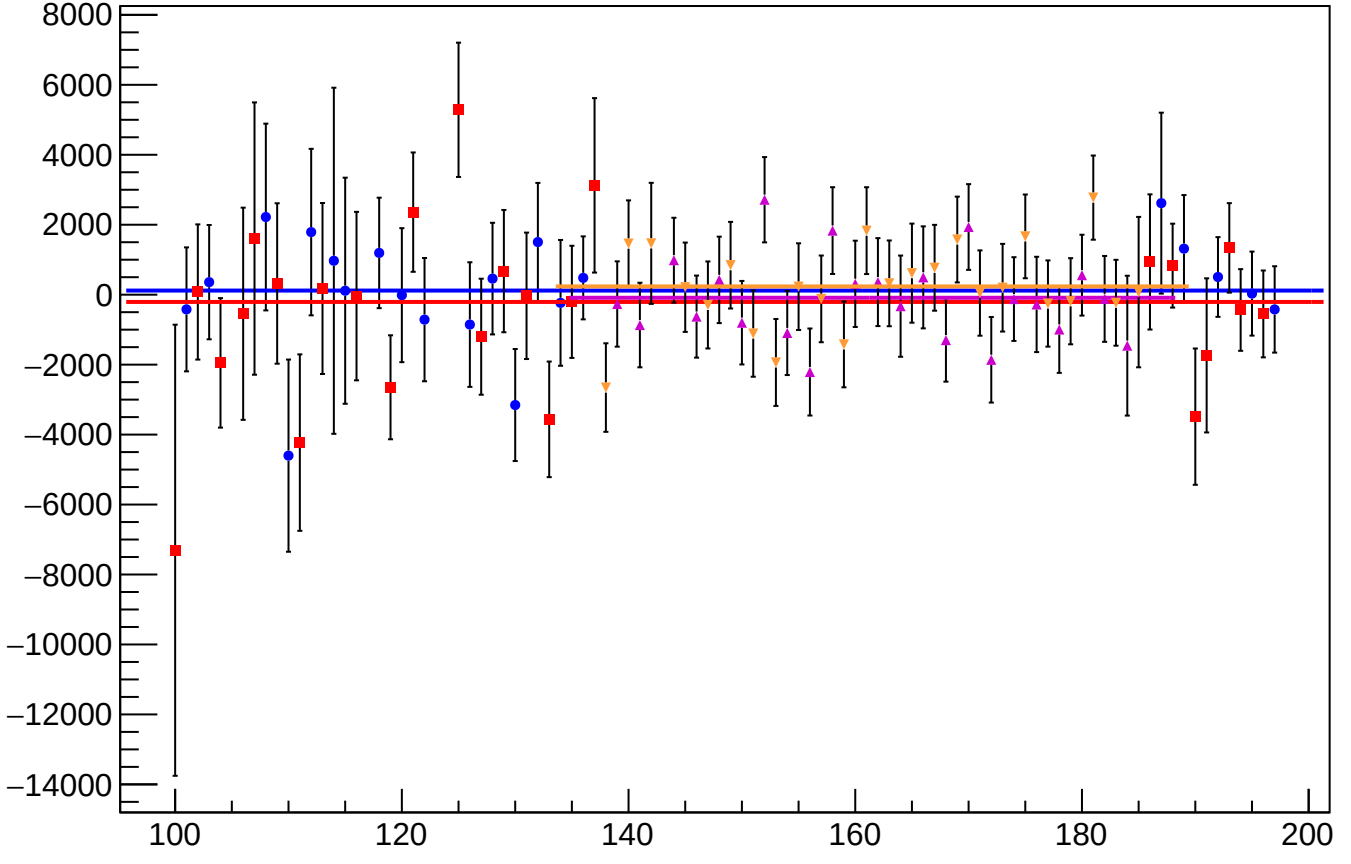
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 571.692+/-0.078 χ^2/NDF: 3489069.7/44

All: 573.549+/-0.055 χ^2/NDF: 7573716.0/92

- sign 575.402+/-0.078 χ^2/NDF: 4083503.4/47

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 118.073+/-366.700 χ^2/NDF: 12.1/20

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -207.300+/-356.869 χ^2/NDF: 30.6/24

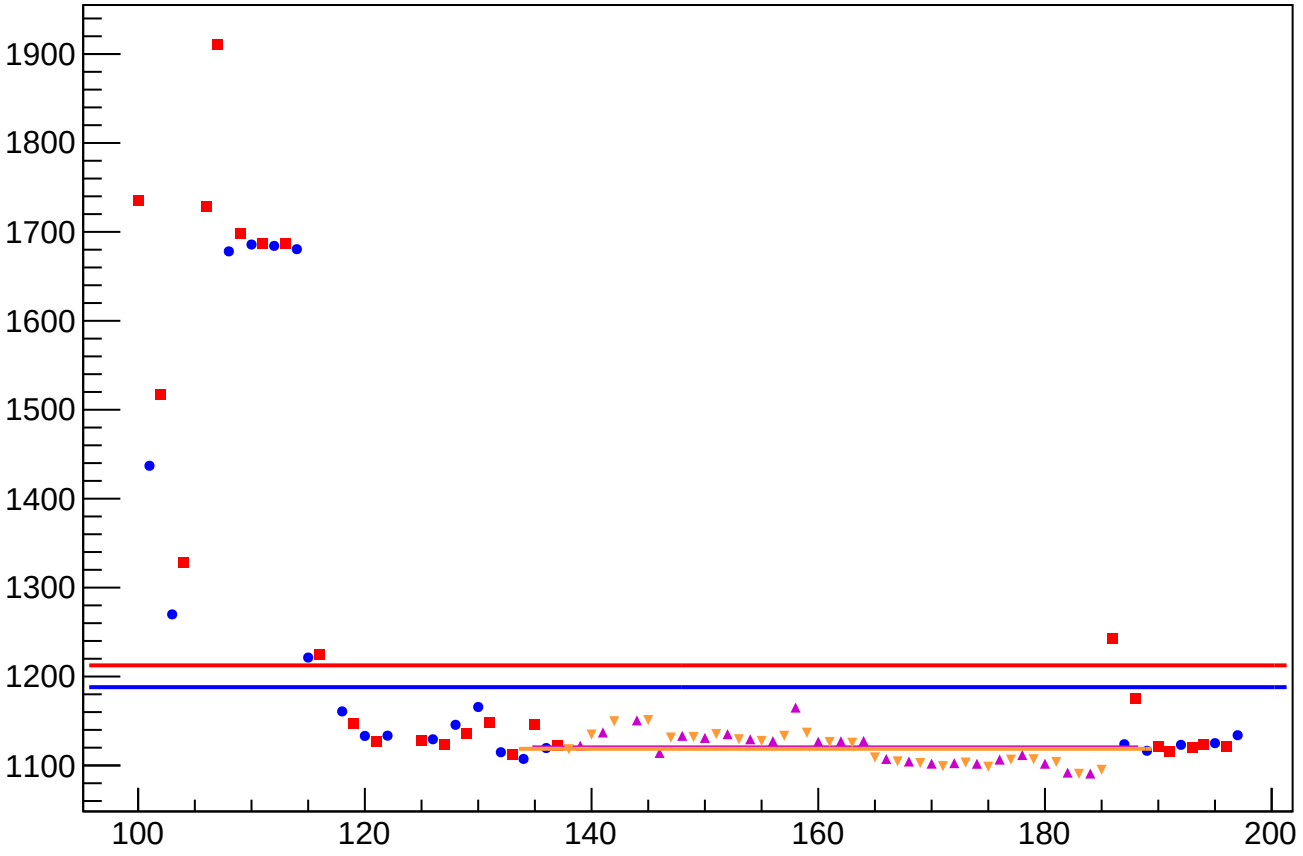
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 197.043+/-211.917 χ^2/NDF: 34.9/44

All: 32.832+/-149.518 χ^2/NDF: 87.7/92

- sign -129.940+/-210.986 χ^2/NDF: 51.6/47

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1188.039+/-0.259 χ^2/NDF: 328433.5/20

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

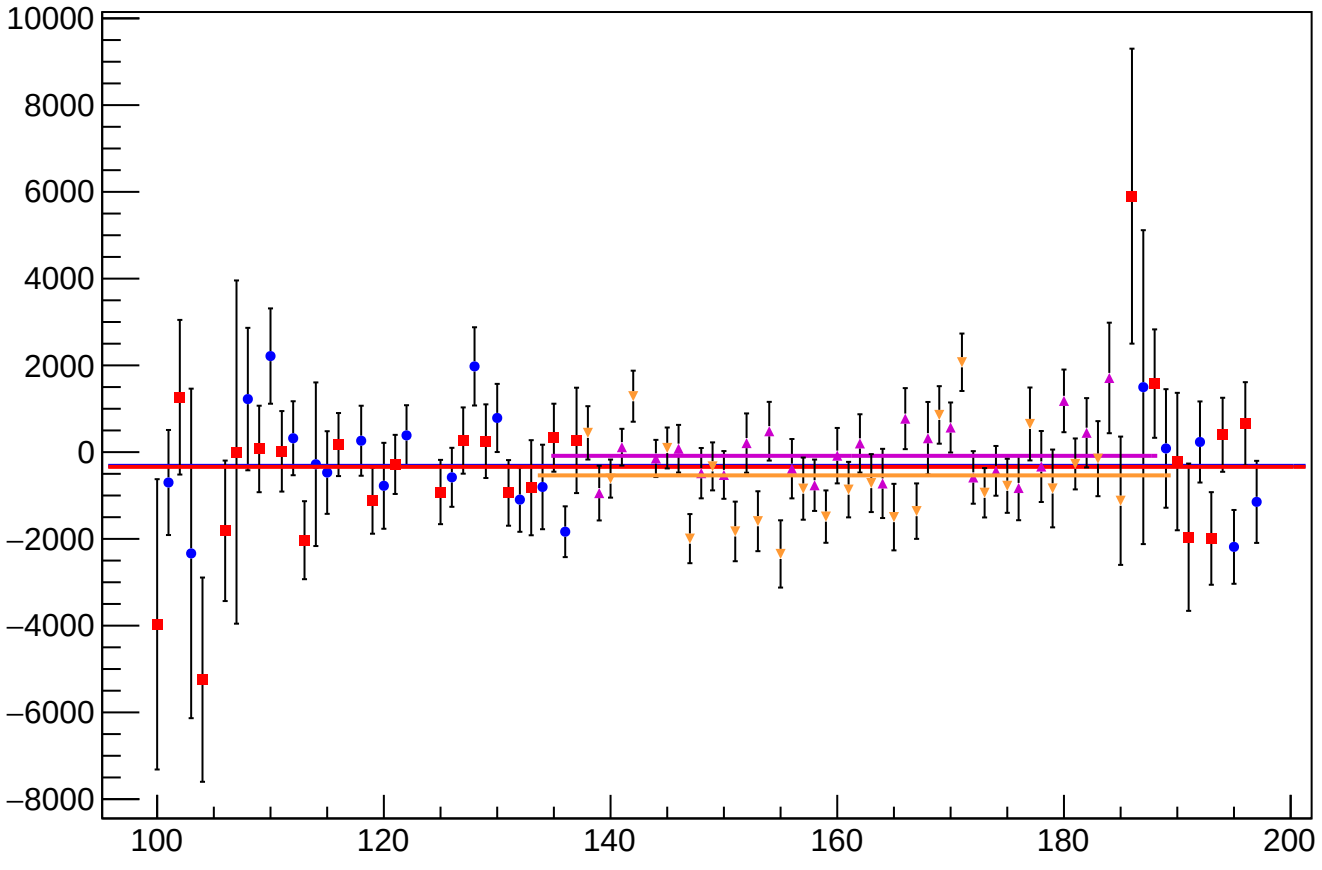
Right Out: 1212.543+/-0.252 χ^2/NDF: 510082.9/24

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1141.879+/-0.150 χ^2/NDF: 384219.5/44

All: 1147.237+/-0.106 χ^2/NDF: 993229.4/92

- sign 1152.548+/-0.149 χ^2/NDF: 606464.4/47



Right In: -316.113+/-202.495 χ^2/NDF: 31.8/20

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

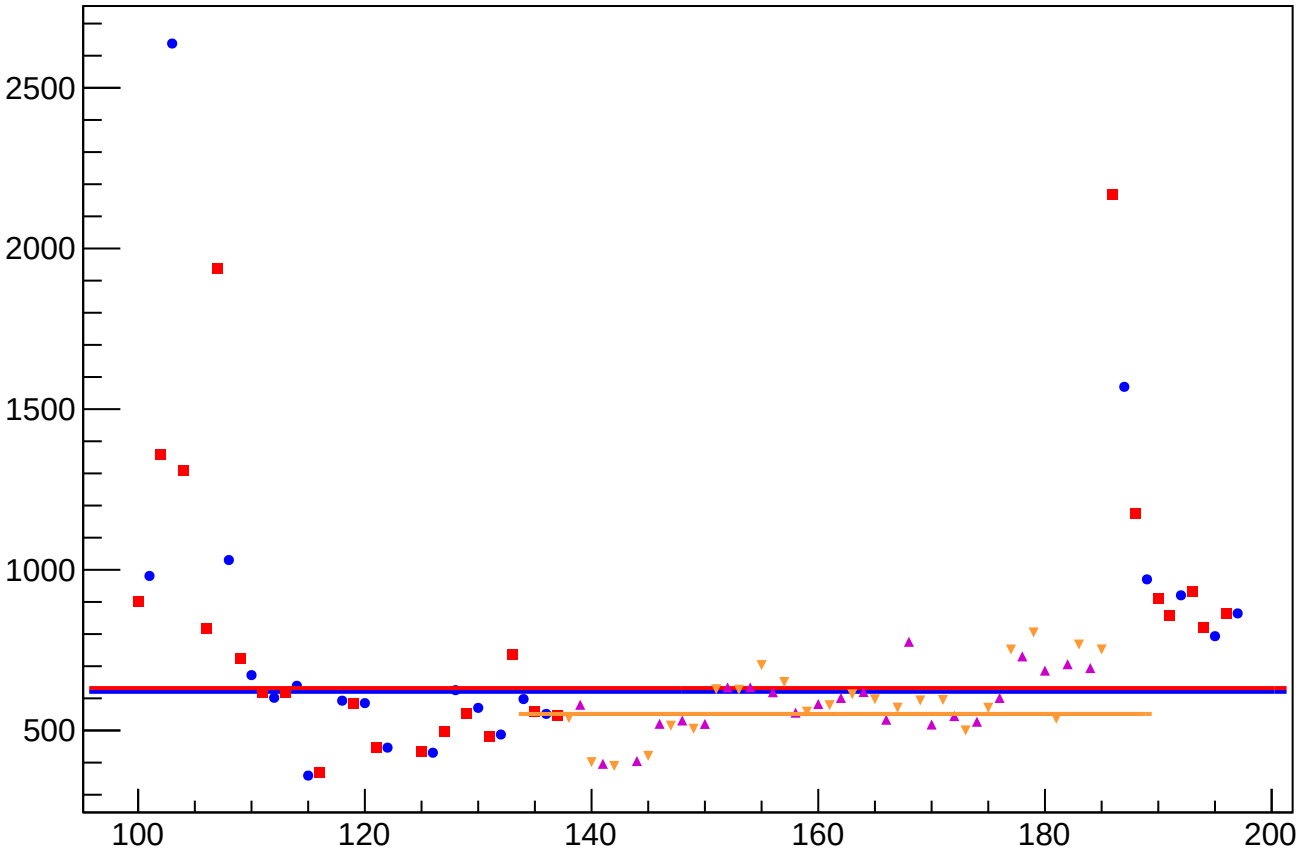
Right Out: -339.404+/-200.749 χ^2/NDF: 27.0/24

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -471.322+/-109.780 χ^2/NDF: 94.2/44

All: -316.090+/-77.594 χ^2/NDF: 143.5/92

- sign -161.121+/-109.688 χ^2/NDF: 45.2/47



Right In: 620.347+/-0.143 χ^2/NDF: 2098907.6/20

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 631.950+/-0.142 χ^2/NDF: 2795544.7/24

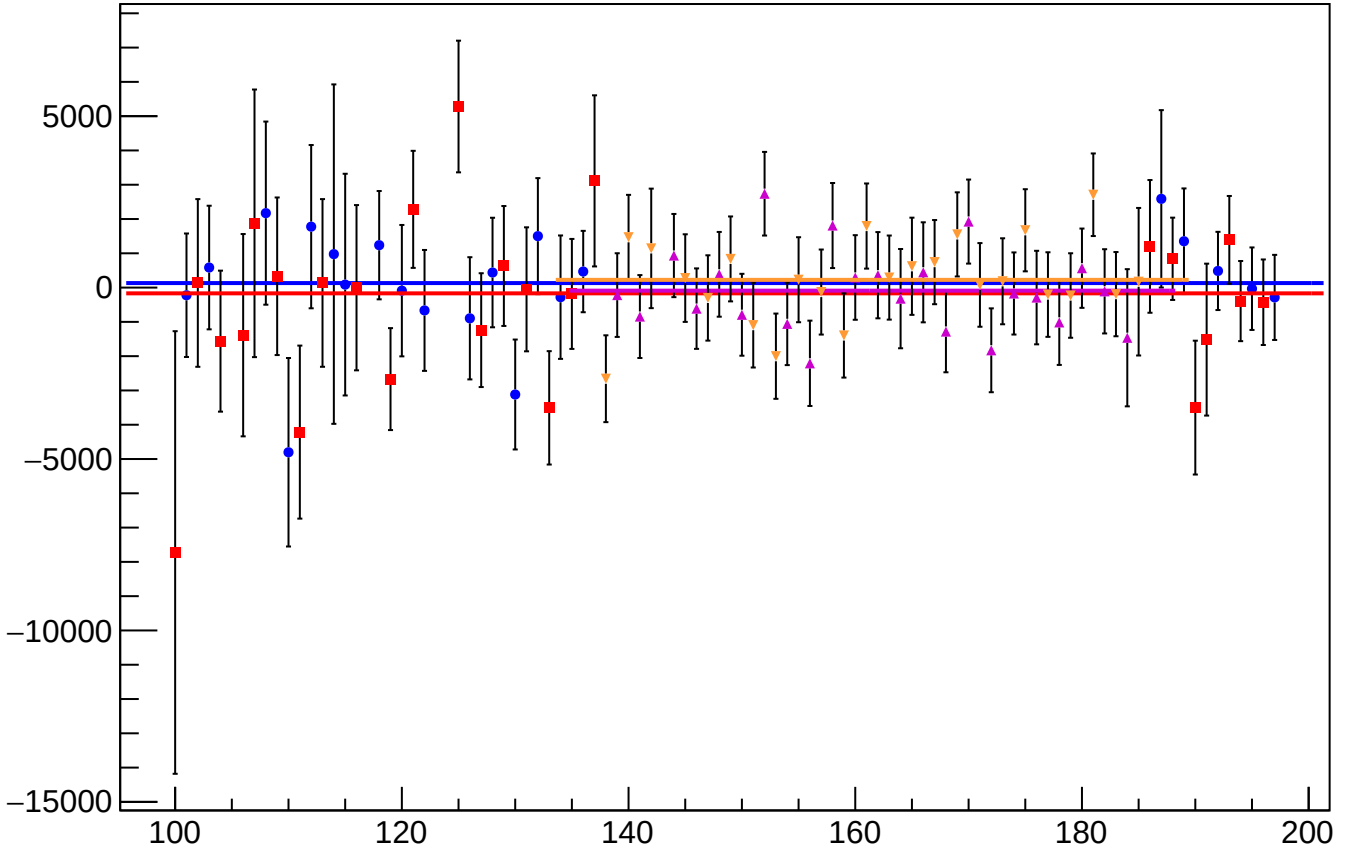
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 571.692+/-0.078 χ^2/NDF: 3489069.7/44

All: 573.549+/-0.055 χ^2/NDF: 7573716.0/92

- sign 575.402+/-0.078 χ^2/NDF: 4083503.4/47

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 131.834+/-369.097 χ^2/NDF: 12.1/20

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -167.930+/-360.734 χ^2/NDF: 30.4/24

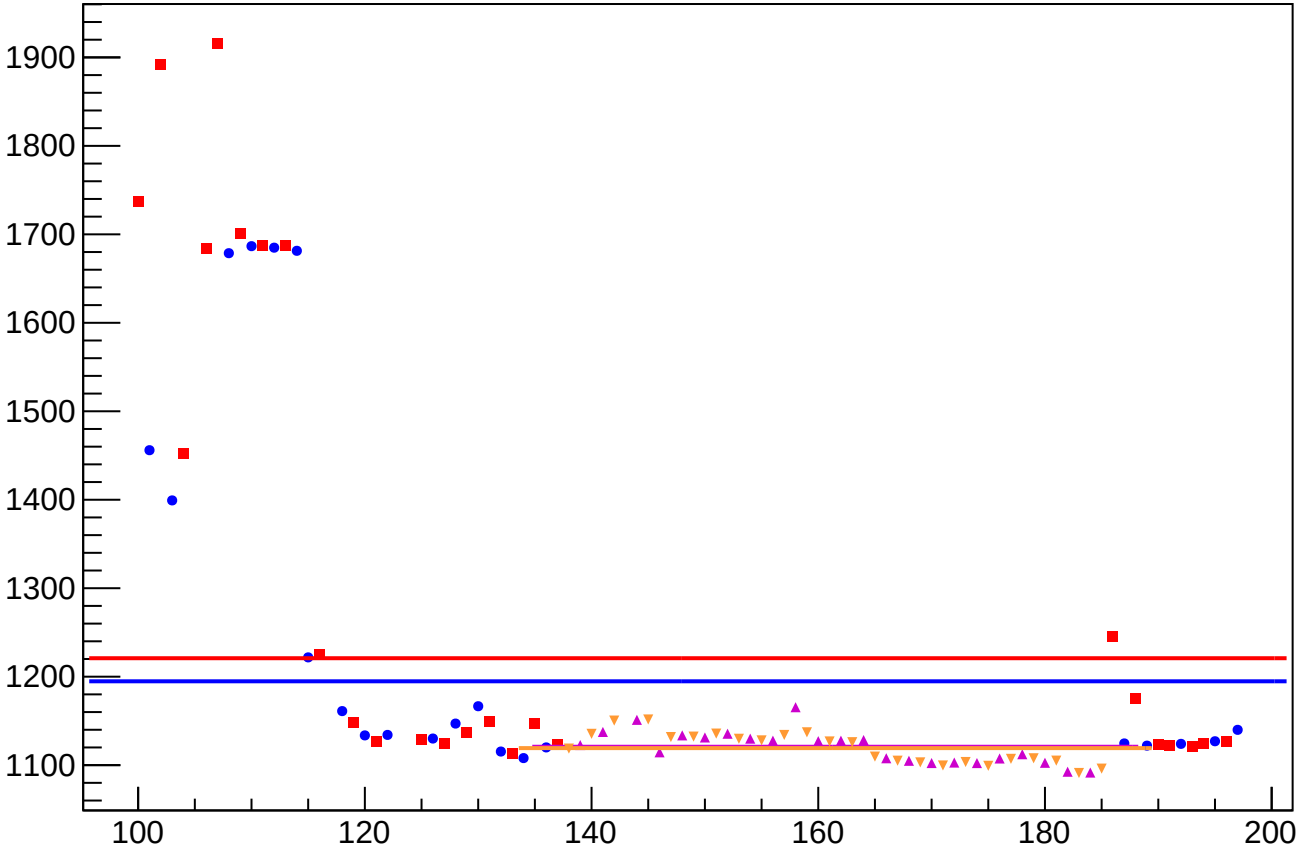
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 194.573+/-212.464 χ^2/NDF: 34.4/44

All: 38.692+/-150.013 χ^2/NDF: 86.4/92

- sign -116.270+/-211.837 χ^2/NDF: 51.0/47

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1194.779+/-0.261 χ^2/NDF: 352941.0/20

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1220.869+/-0.255 χ^2/NDF: 625152.7/24

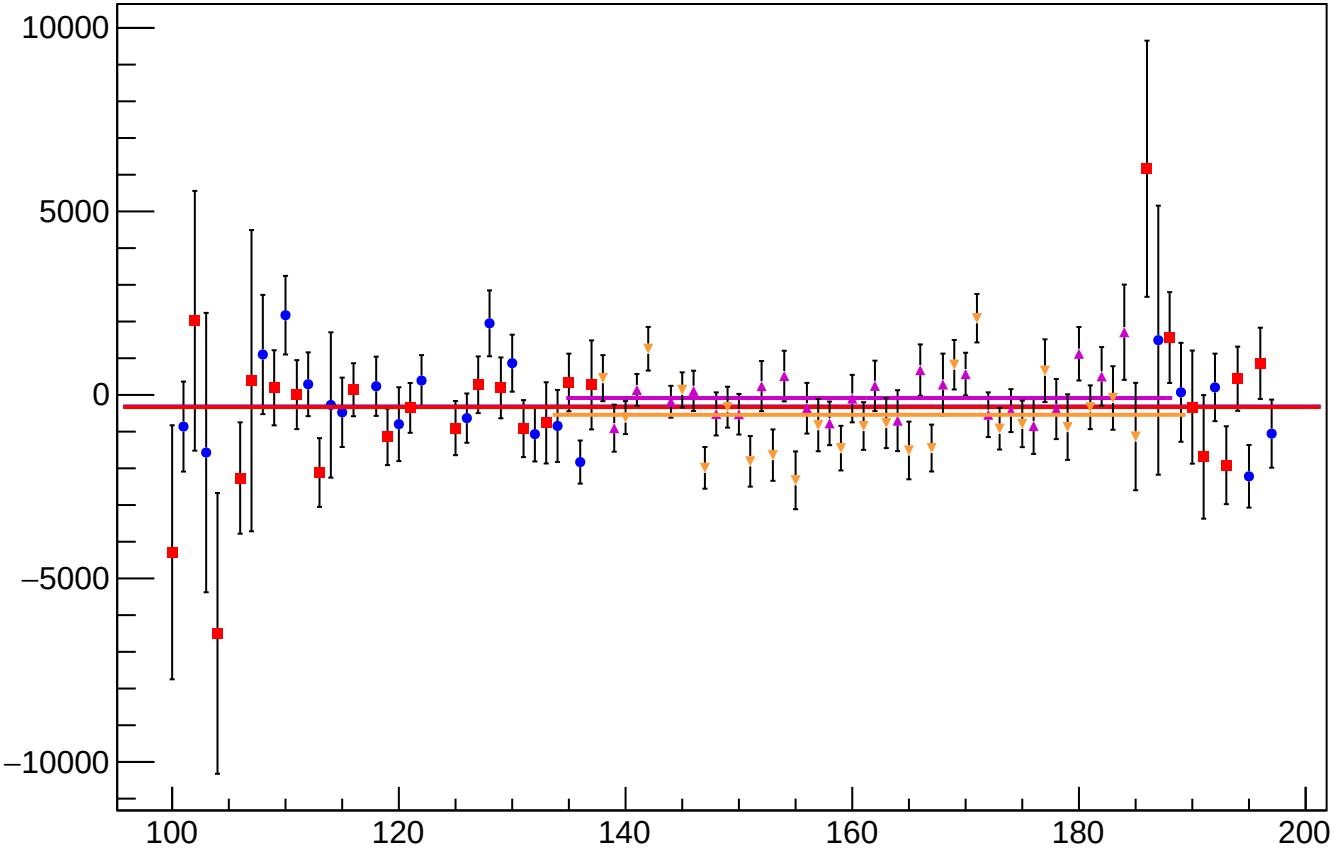
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.282+/-0.150 χ^2/NDF: 417070.8/44

All: 1149.812+/-0.106 χ^2/NDF: 1155182.8/92

- sign 1155.309+/-0.150 χ^2/NDF: 735410.5/47

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -316.201+/-202.054 χ^2/NDF: 31.9/20

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -329.341+/-203.117 χ^2/NDF: 25.8/24

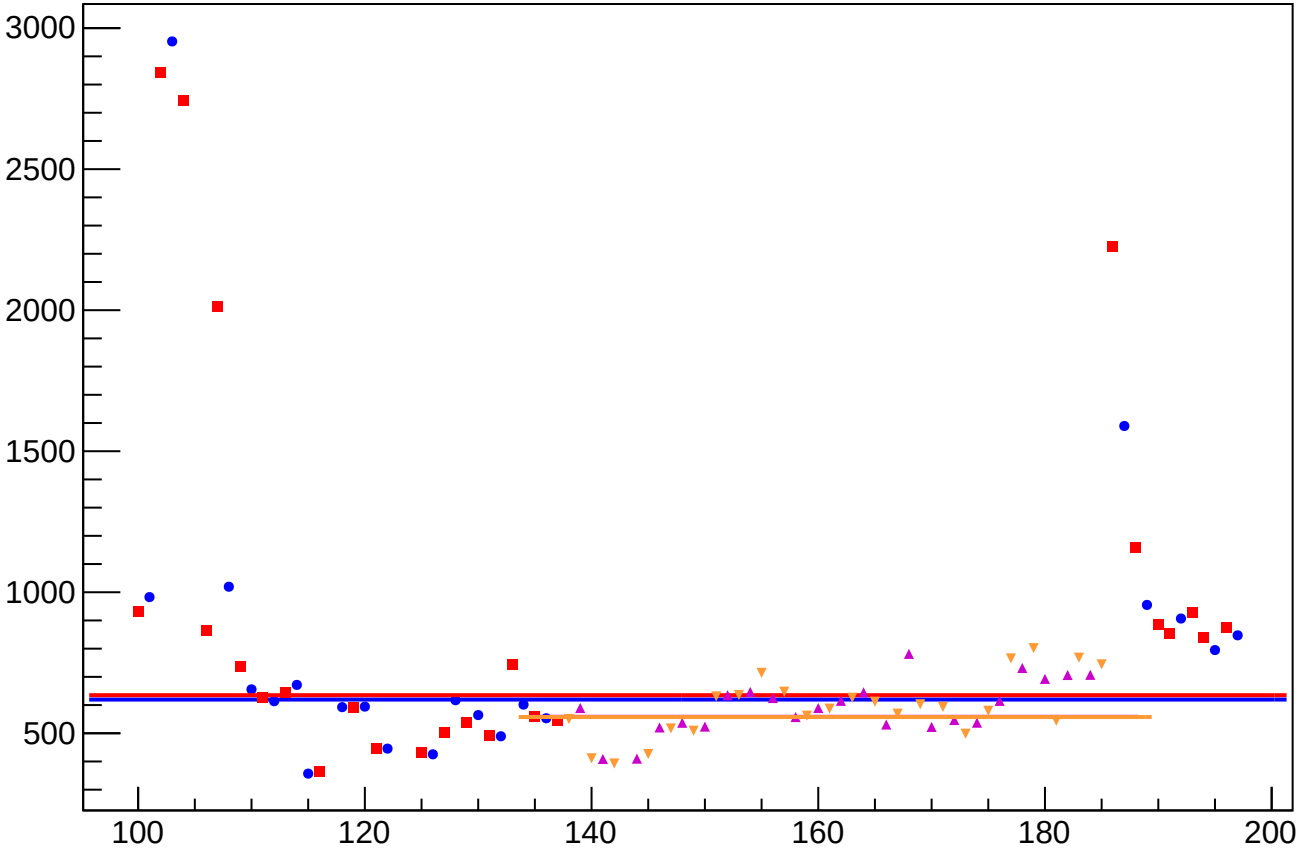
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

\+ sign -474.164+/-110.515 χ^2/NDF: 93.6/44

All: -316.460+/-78.318 χ^2/NDF: 141.0/92

\- sign -157.359+/-111.004 χ^2/NDF: 43.3/47

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 619.549+/-0.143 χ^2/NDF: 2264809.6/20

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 635.032+/-0.144 χ^2/NDF: 3728658.9/24

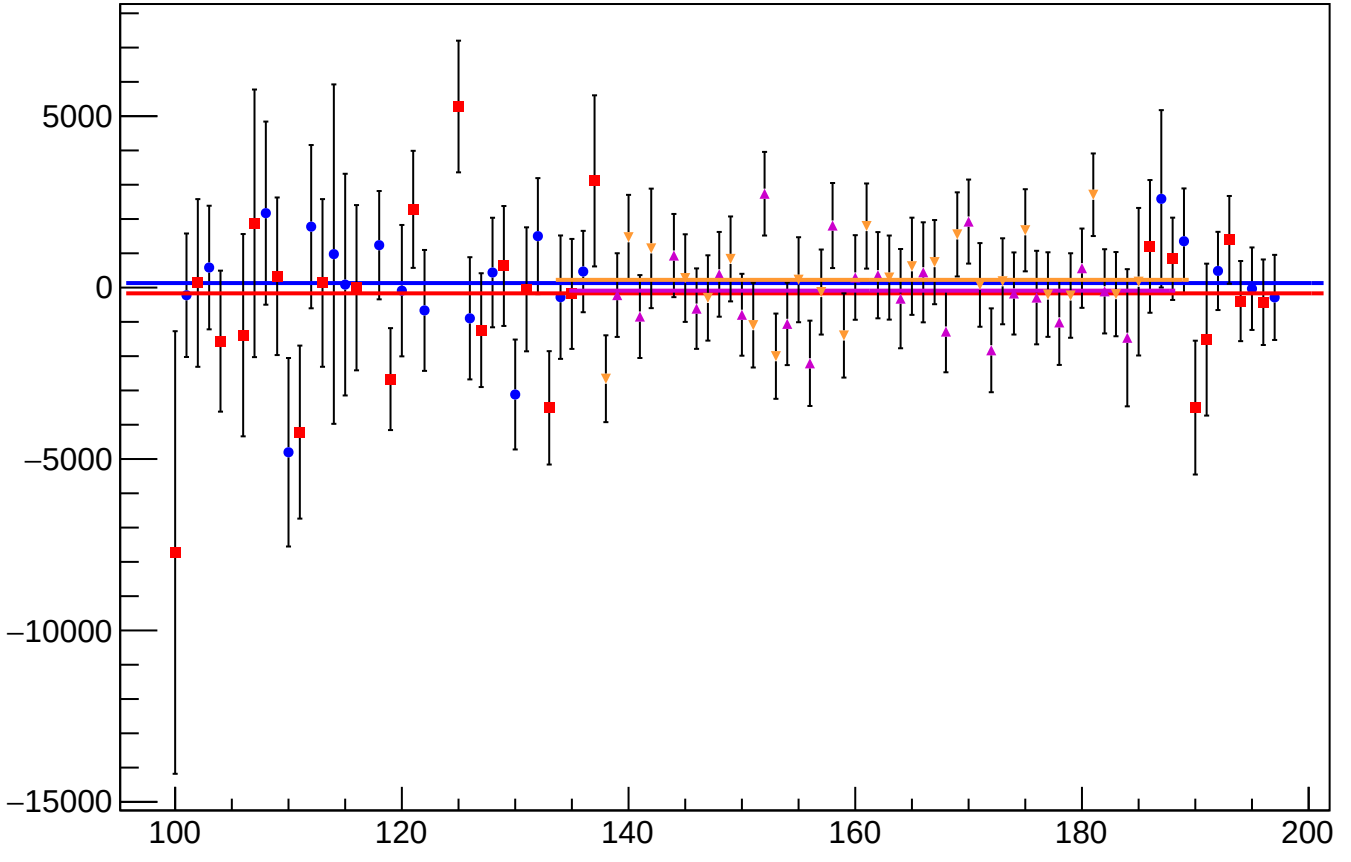
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

\+ sign 576.127+/-0.078 χ^2/NDF: 3589873.9/44

All: 578.693+/-0.055 χ^2/NDF: 8548208.7/92

\- sign 581.282+/-0.078 χ^2/NDF: 4956168.4/47

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 131.835+/-369.097 χ^2/NDF: 12.1/20

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -167.930+/-360.734 χ^2/NDF: 30.4/24

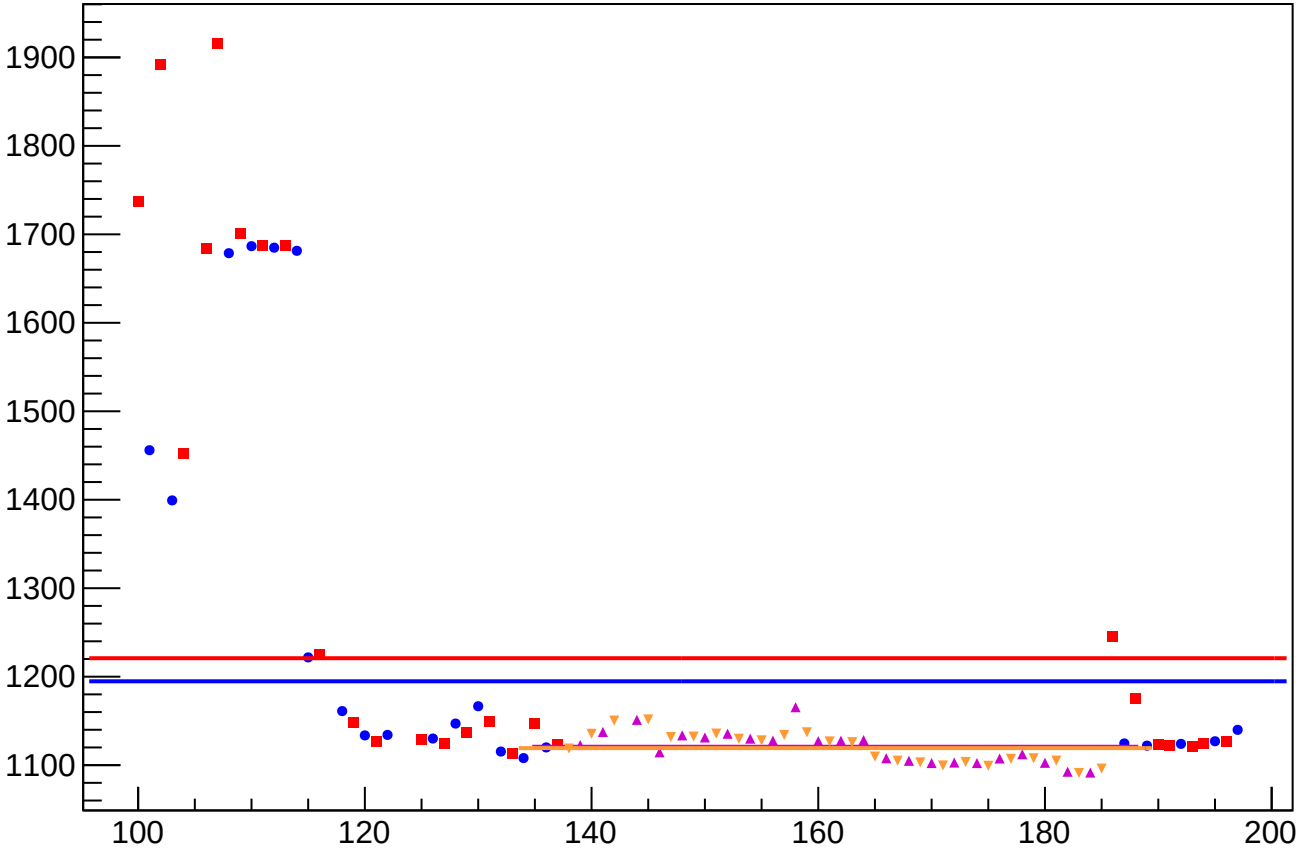
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 194.572+/-212.464 χ^2/NDF: 34.4/44

All: 38.691+/-150.013 χ^2/NDF: 86.4/92

- sign -116.271+/-211.837 χ^2/NDF: 51.0/47

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1194.779+/-0.261 χ^2/NDF: 352940.5/20

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

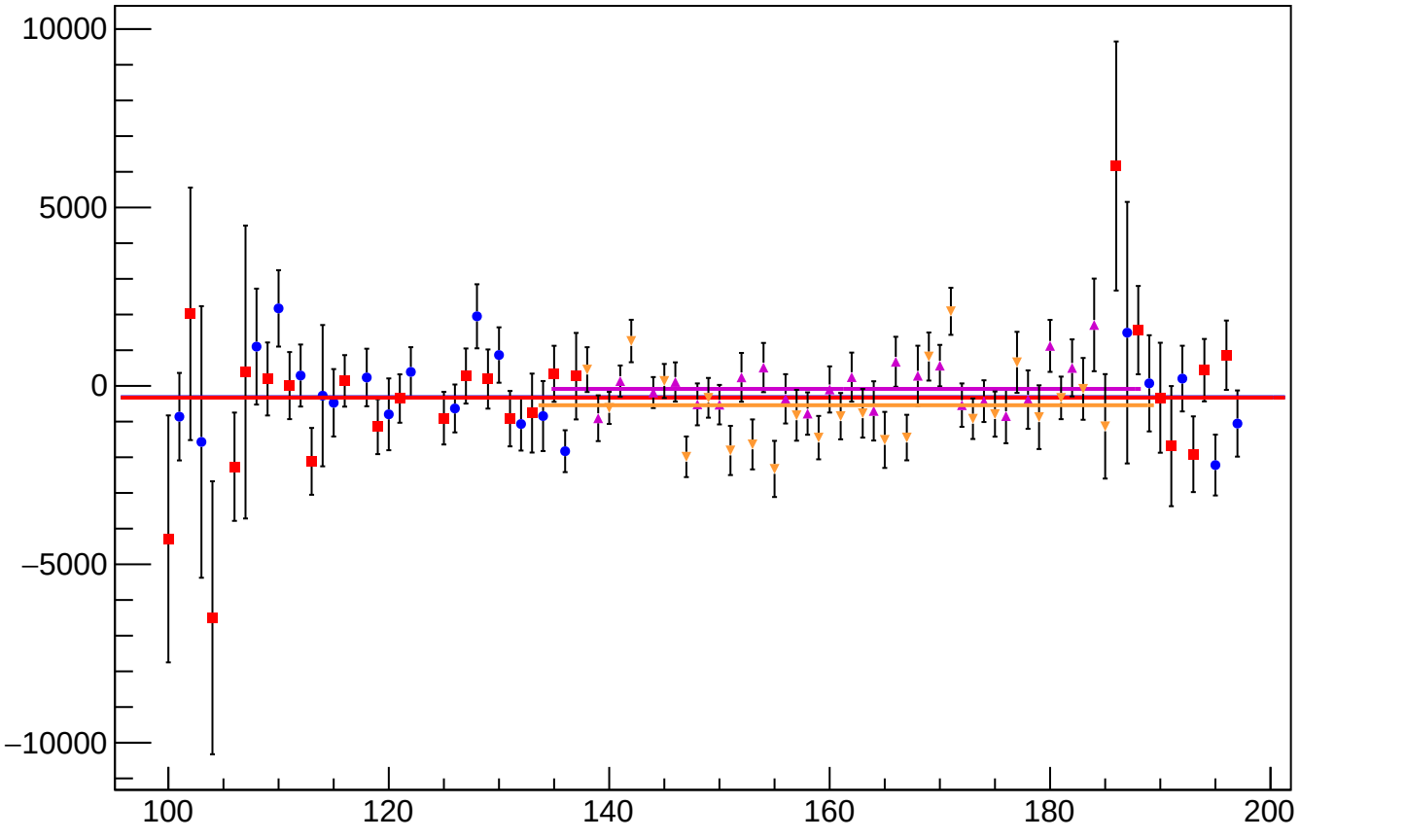
Right Out: 1220.869+/-0.255 χ^2/NDF: 625152.0/24

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.282+/-0.150 χ^2/NDF: 417070.3/44

All: 1149.812+/-0.106 χ^2/NDF: 1155181.6/92

- sign 1155.309+/-0.150 χ^2/NDF: 735409.8/47



Right In: -316.201+/-202.054 χ^2/NDF: 31.9/20

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -329.341+/-203.117 χ^2/NDF: 25.8/24

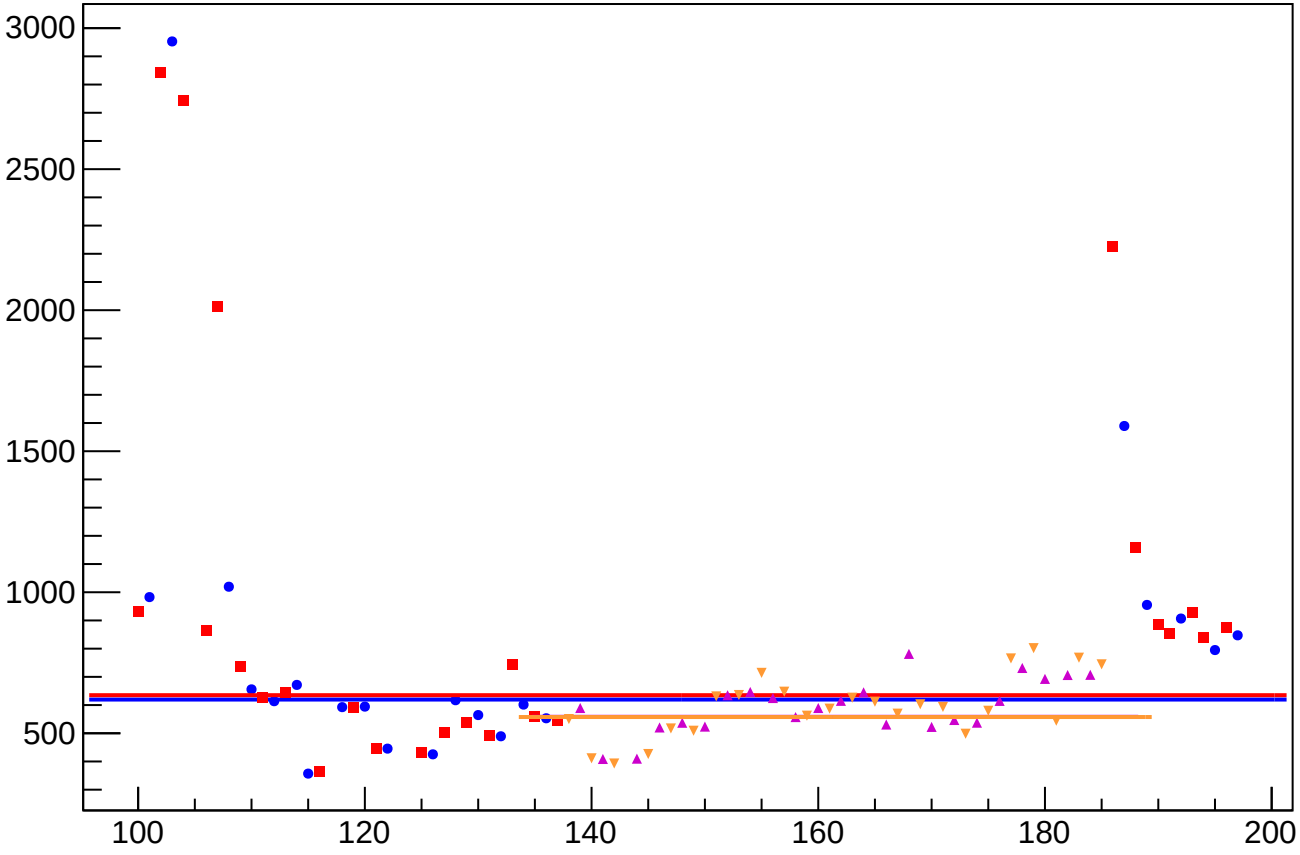
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -474.163+/-110.515 χ^2/NDF: 93.6/44

All: -316.460+/-78.318 χ^2/NDF: 141.0/92

- sign -157.359+/-111.004 χ^2/NDF: 43.3/47

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 619.549+/-0.143 χ^2/NDF: 2264805.3/20

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 635.032+/-0.144 χ^2/NDF: 3728659.1/24

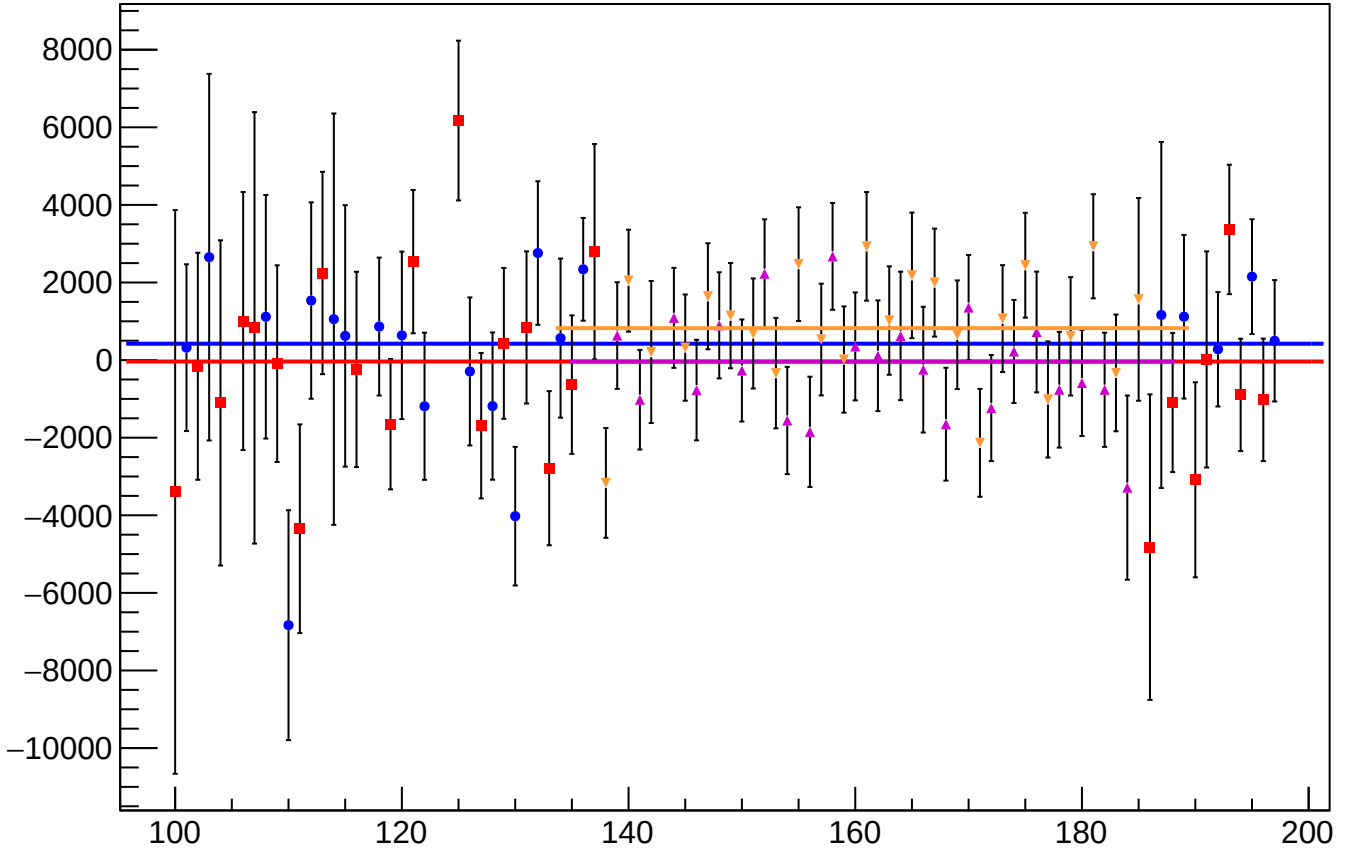
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 576.126+/-0.078 χ^2/NDF: 3589893.0/44

All: 578.693+/-0.055 χ^2/NDF: 8548245.1/92

- sign 581.282+/-0.078 χ^2/NDF: 4956185.6/47

asym_usl_atl1_dd_mean vs Slug



Right In: 422.310+/-441.377 χ^2/NDF: 19.5/20

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -36.336+/-438.357 χ^2/NDF: 28.0/24

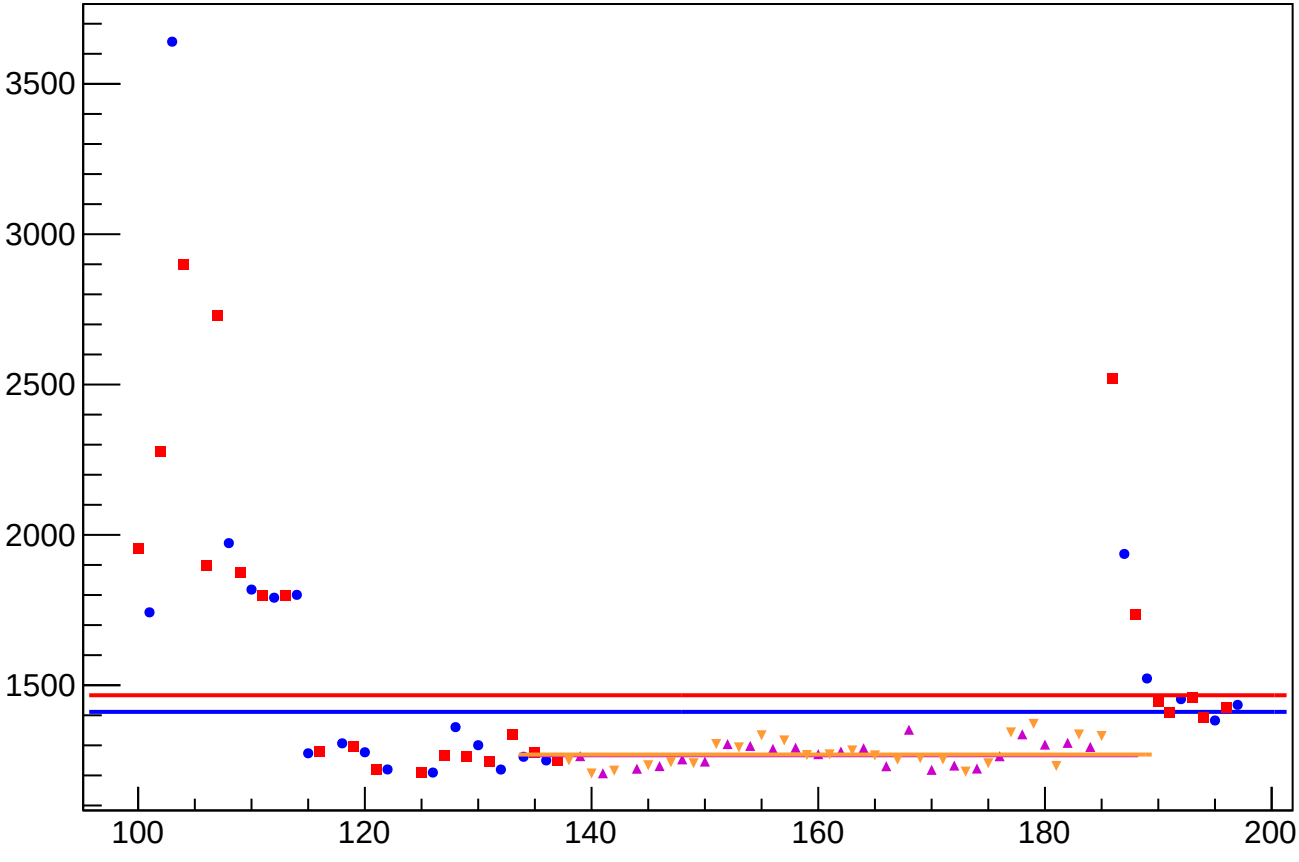
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 699.593+/-245.168 χ^2/NDF: 46.3/44

All: 330.695+/-173.412 χ^2/NDF: 96.7/92

- sign -38.644+/-245.314 χ^2/NDF: 45.9/47

asym_usl_atl1_dd_rms vs Slug



Right In: 1411.347+/-0.312 χ^2/NDF: 817960.0/20

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1466.619+/-0.310 χ^2/NDF: 1055532.5/24

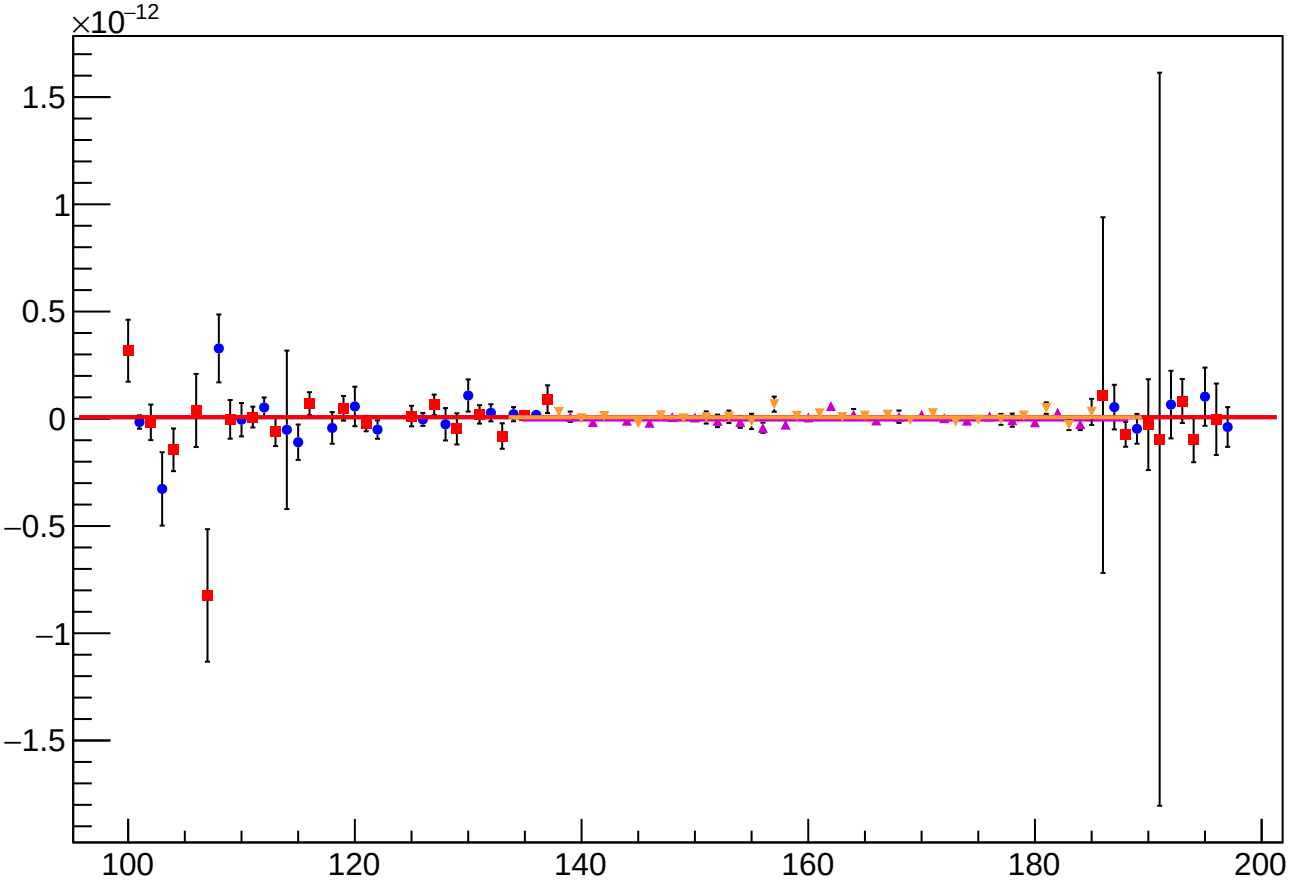
Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1313.224+/-0.173 χ^2/NDF: 1003951.3/44

All: 1321.388+/-0.123 χ^2/NDF: 2383133.6/92

- sign 1329.561+/-0.173 χ^2/NDF: 1374744.7/47

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

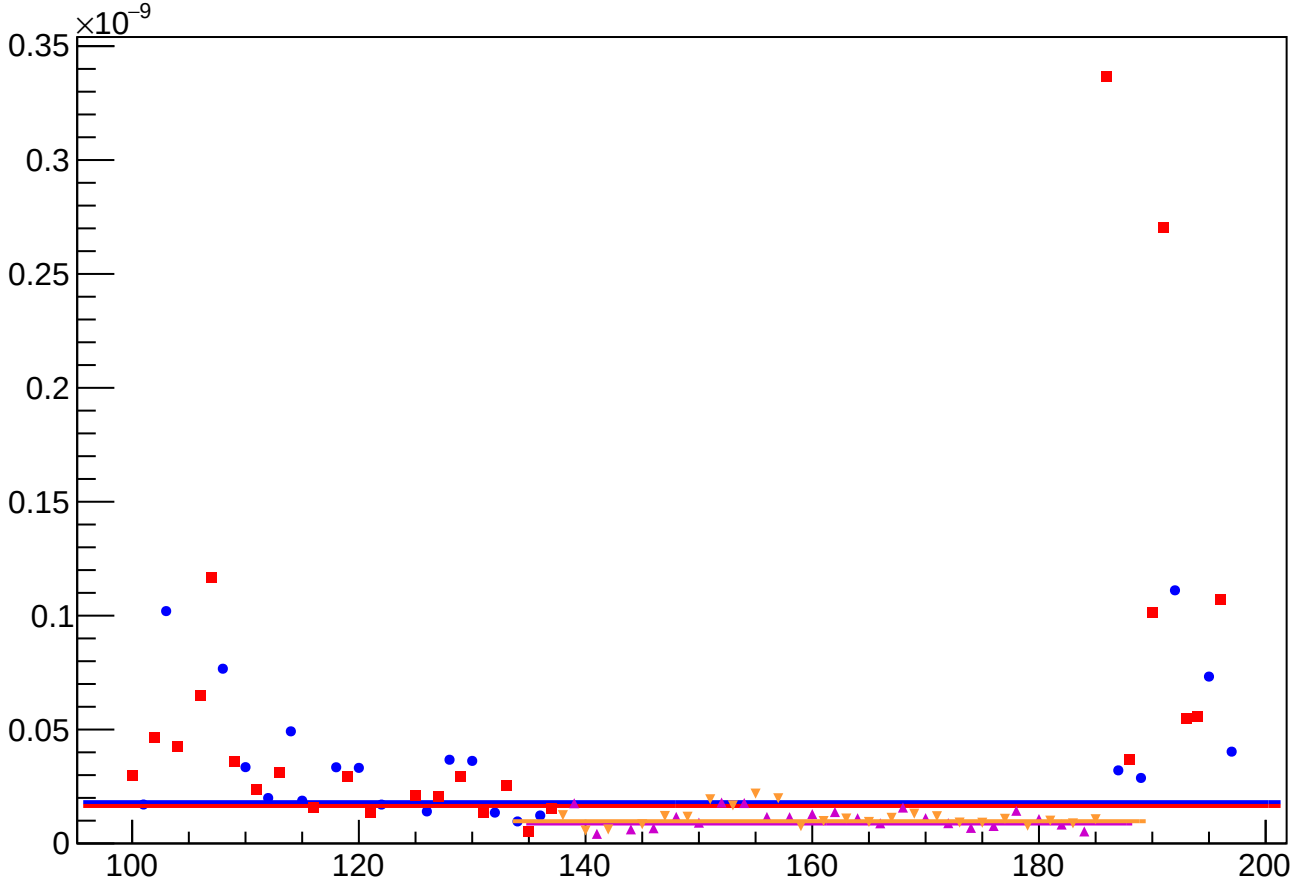
Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/24

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/44

All: 0.000+/-0.000 χ^2/NDF: 93.3/92

- sign -0.000+/-0.000 χ^2/NDF: 51.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 2835394.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4389438.0/24

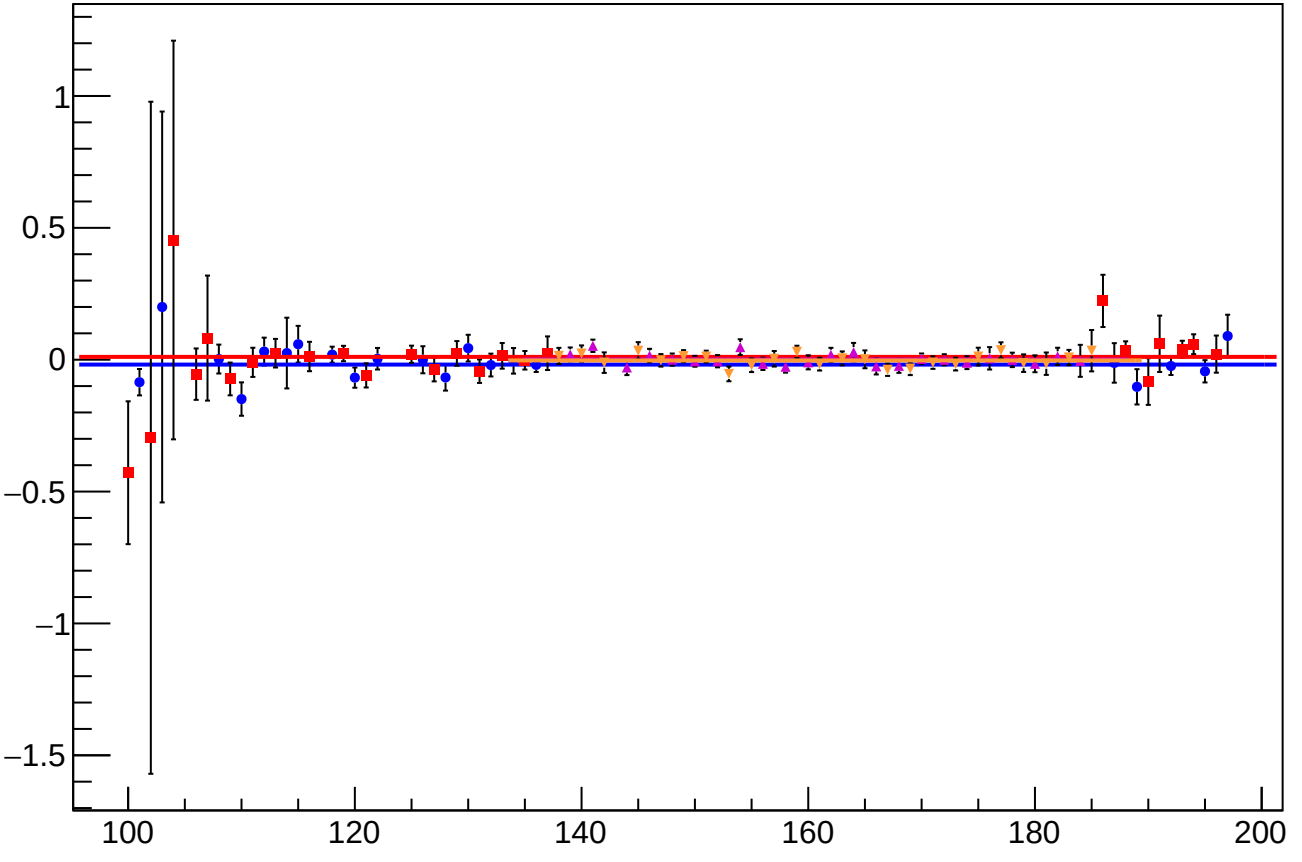
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5310964.3/44

All: 0.000+/-0.000 χ^2/NDF: 12724834.8/92

- sign 0.000+/-0.000 χ^2/NDF: 7310339.4/47

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.010 χ^2/NDF: 18.5/20

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.011+/-0.010 χ^2/NDF: 19.9/24

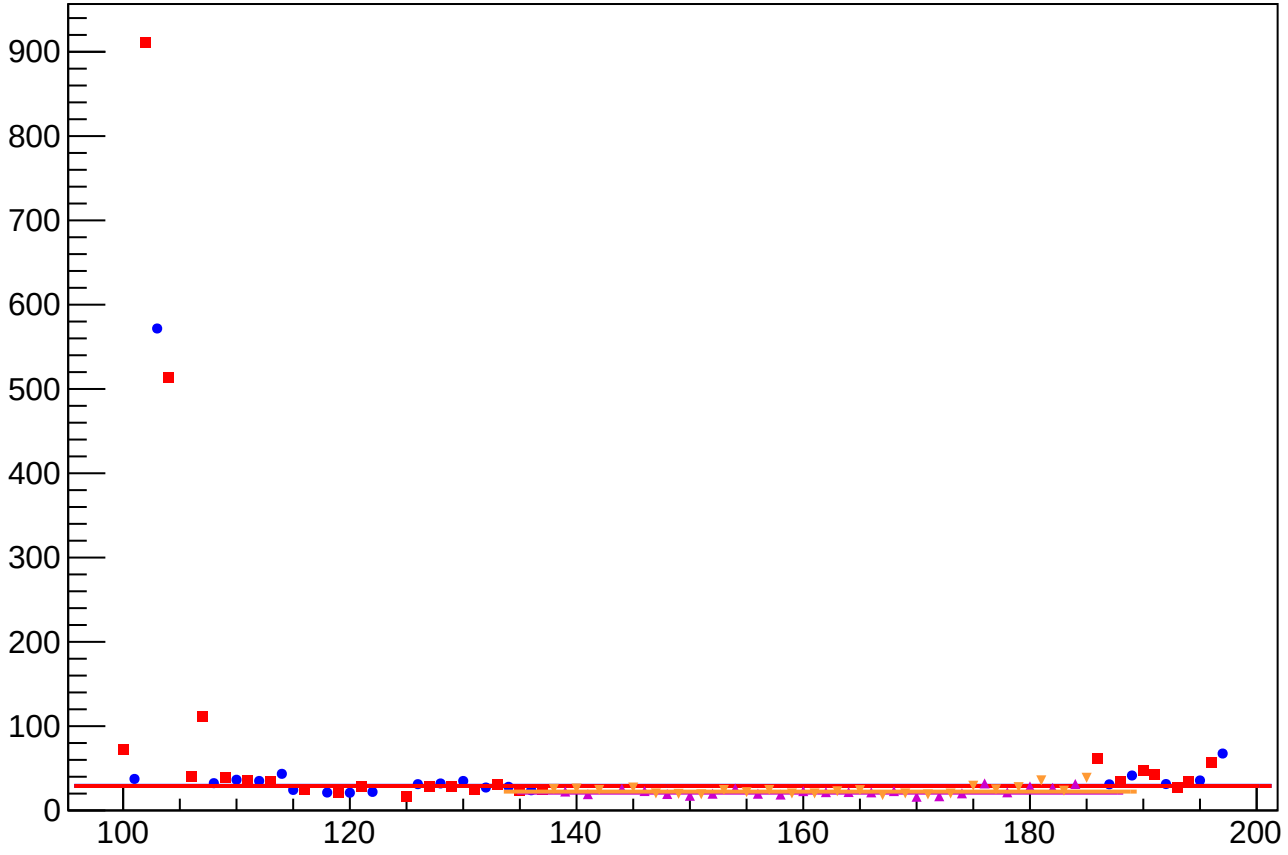
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 36.6/44

All: -0.002+/-0.003 χ^2/NDF: 74.0/92

- sign 0.003+/-0.005 χ^2/NDF: 35.5/47

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.218+/-0.007 χ^2/NDF: 2194336.5/20

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

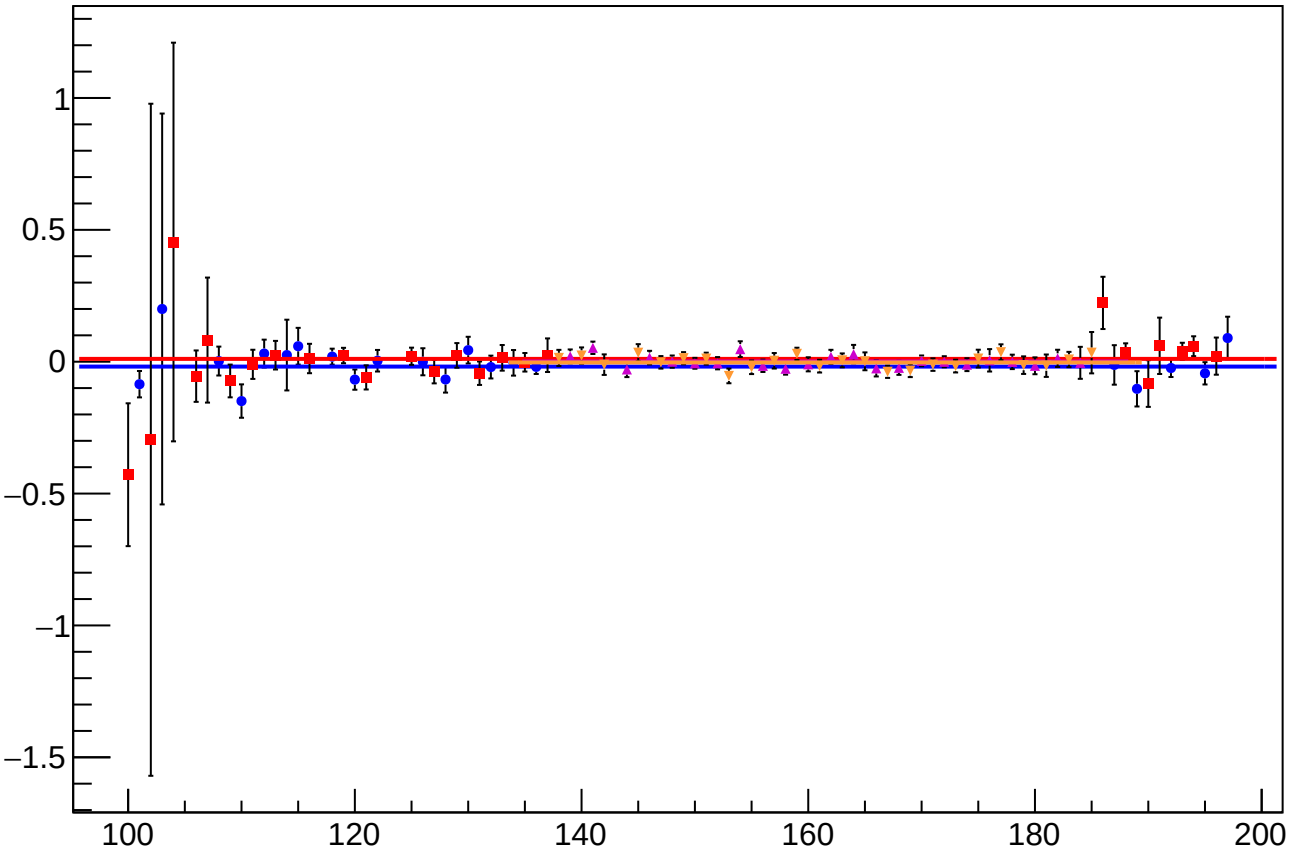
Right Out: 29.013+/-0.007 χ^2/NDF: 3444053.1/24

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 23.962+/-0.004 χ^2/NDF: 3692892.9/44

All: 23.411+/-0.002 χ^2/NDF: 8956534.9/92

\- sign 22.898+/-0.003 χ^2/NDF: 5216339.5/47



Right In: -0.018+/-0.010 χ^2/NDF: 18.5/20

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

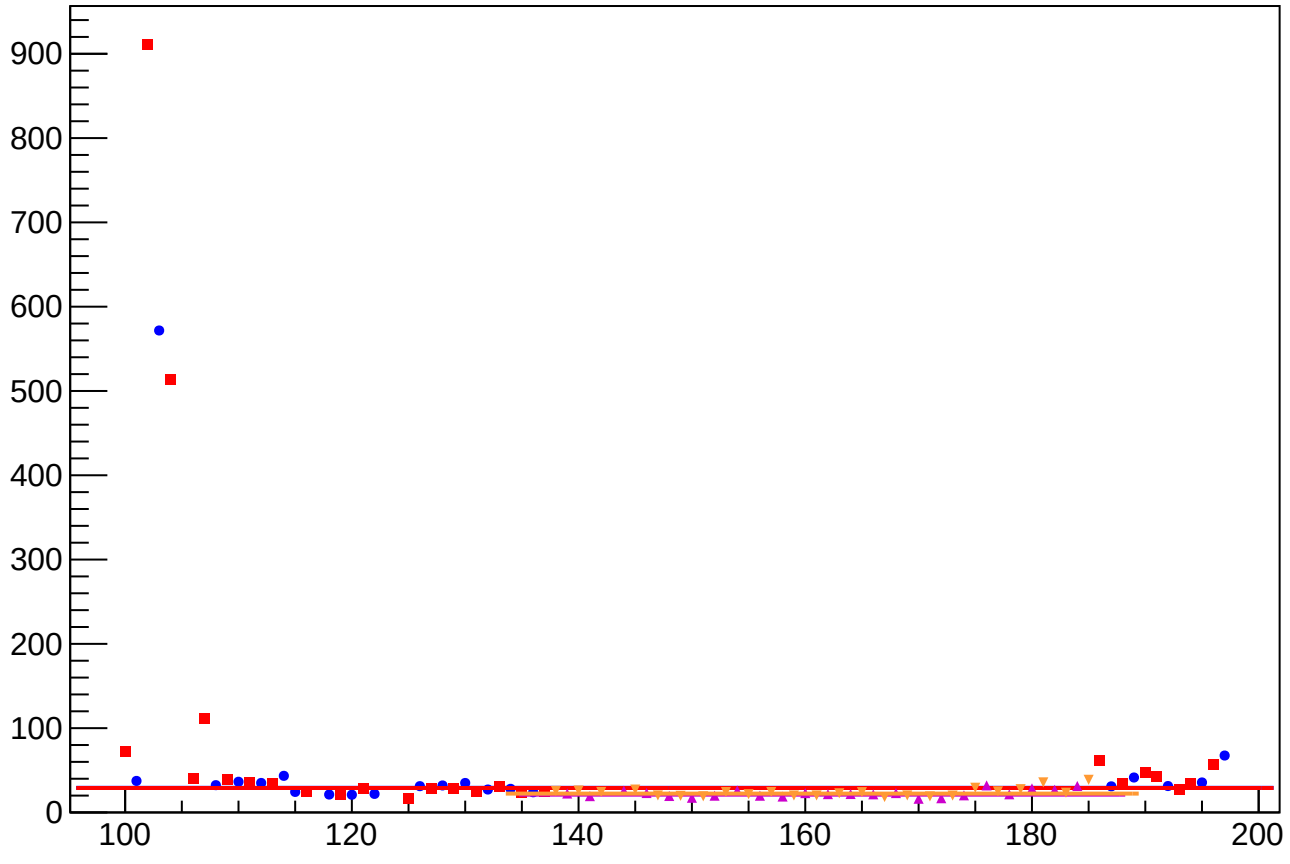
Right Out: 0.011+/-0.010 χ^2/NDF: 19.9/24

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 36.6/44

All: -0.002+/-0.003 χ^2/NDF: 74.0/92

- sign 0.003+/-0.005 χ^2/NDF: 35.5/47



Right In: 29.218+/-0.007 χ^2/NDF: 2194336.5/20

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

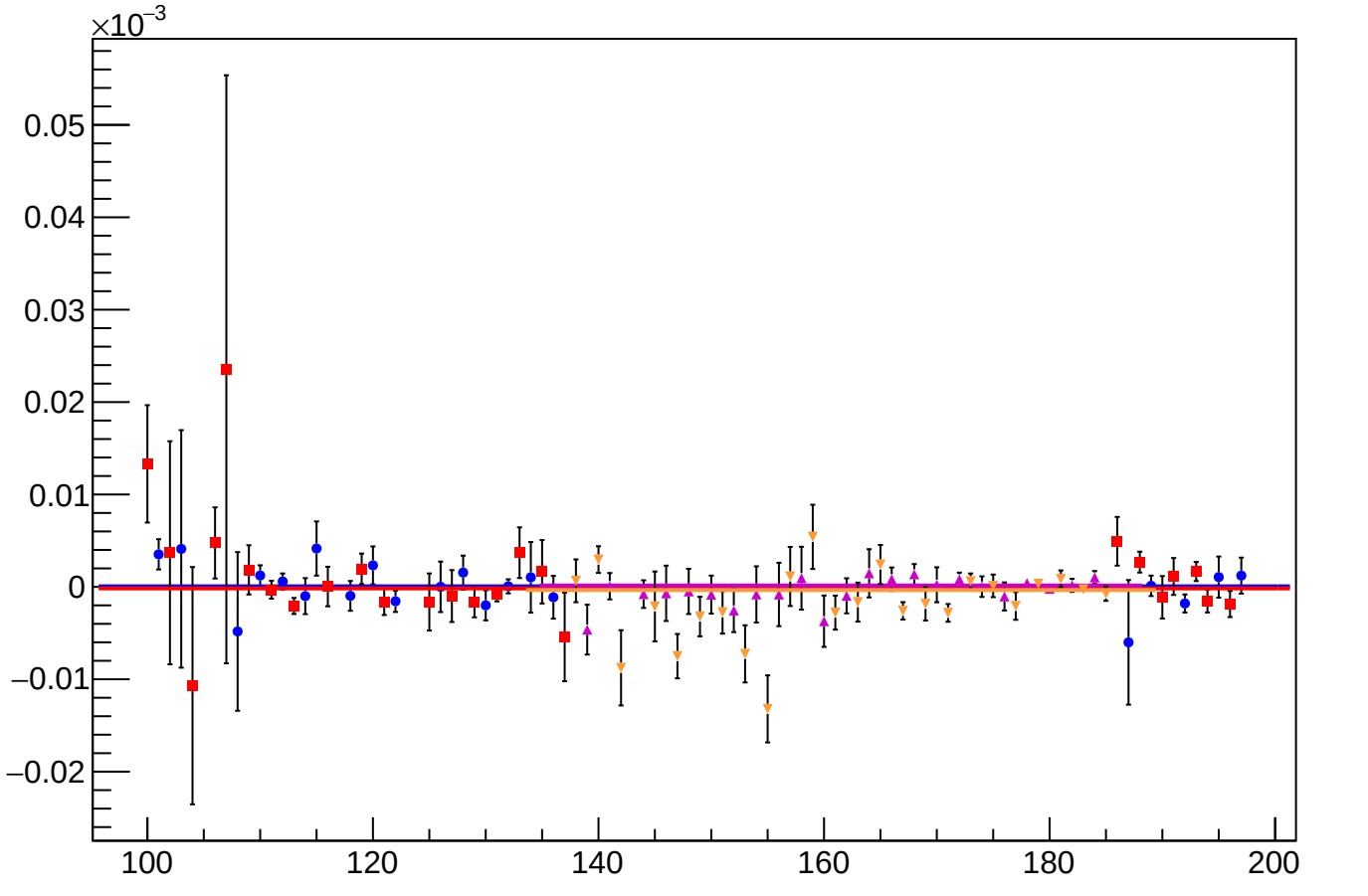
Right Out: 29.013+/-0.007 χ^2/NDF: 3444053.1/24

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.962+/-0.004 χ^2/NDF: 3692892.9/44

All: 23.411+/-0.002 χ^2/NDF: 8956534.9/92

- sign 22.898+/-0.003 χ^2/NDF: 5216339.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 37.3/24

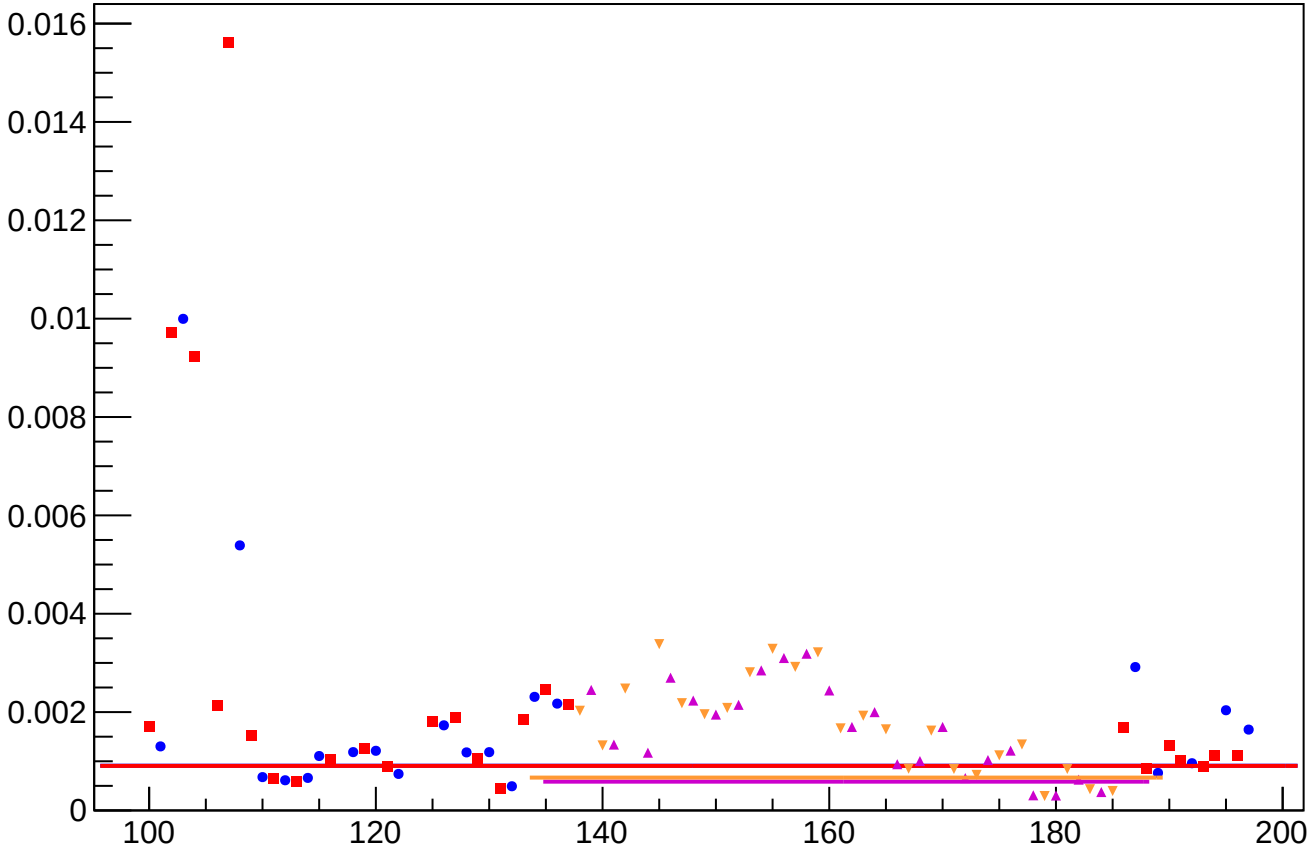
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 88.9/44

All: -0.000+/-0.000 χ^2/NDF: 142.6/92

- sign 0.000+/-0.000 χ^2/NDF: 52.2/47

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4924634.6/20

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

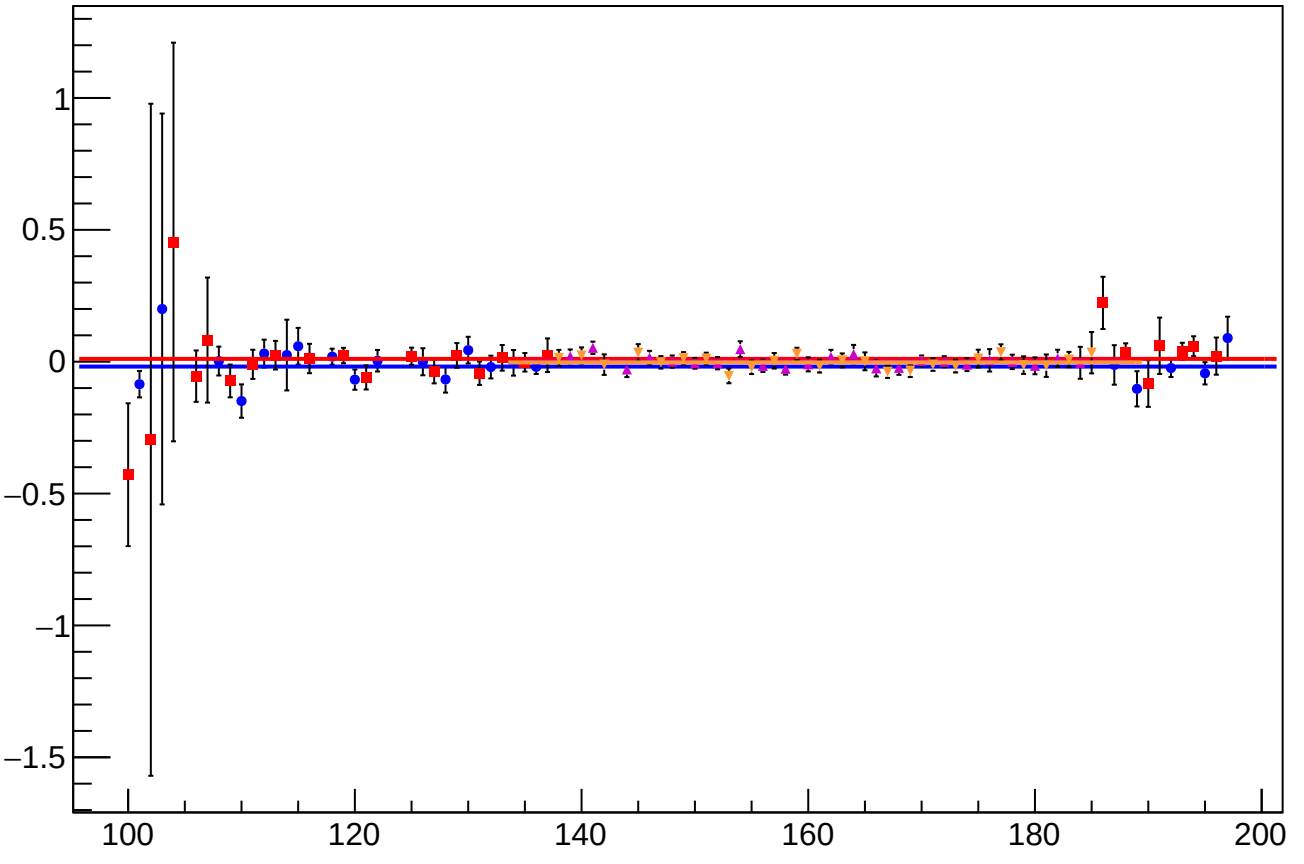
Right Out: 0.001+/-0.000 χ^2/NDF: 5442607.9/24

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 21086762.1/44

All: 0.001+/-0.000 χ^2/NDF: 43847397.2/92

- sign 0.001+/-0.000 χ^2/NDF: 22588822.6/47



Right In: -0.018+/-0.010 χ^2/NDF: 18.5/20

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.011+/-0.010 χ^2/NDF: 19.9/24

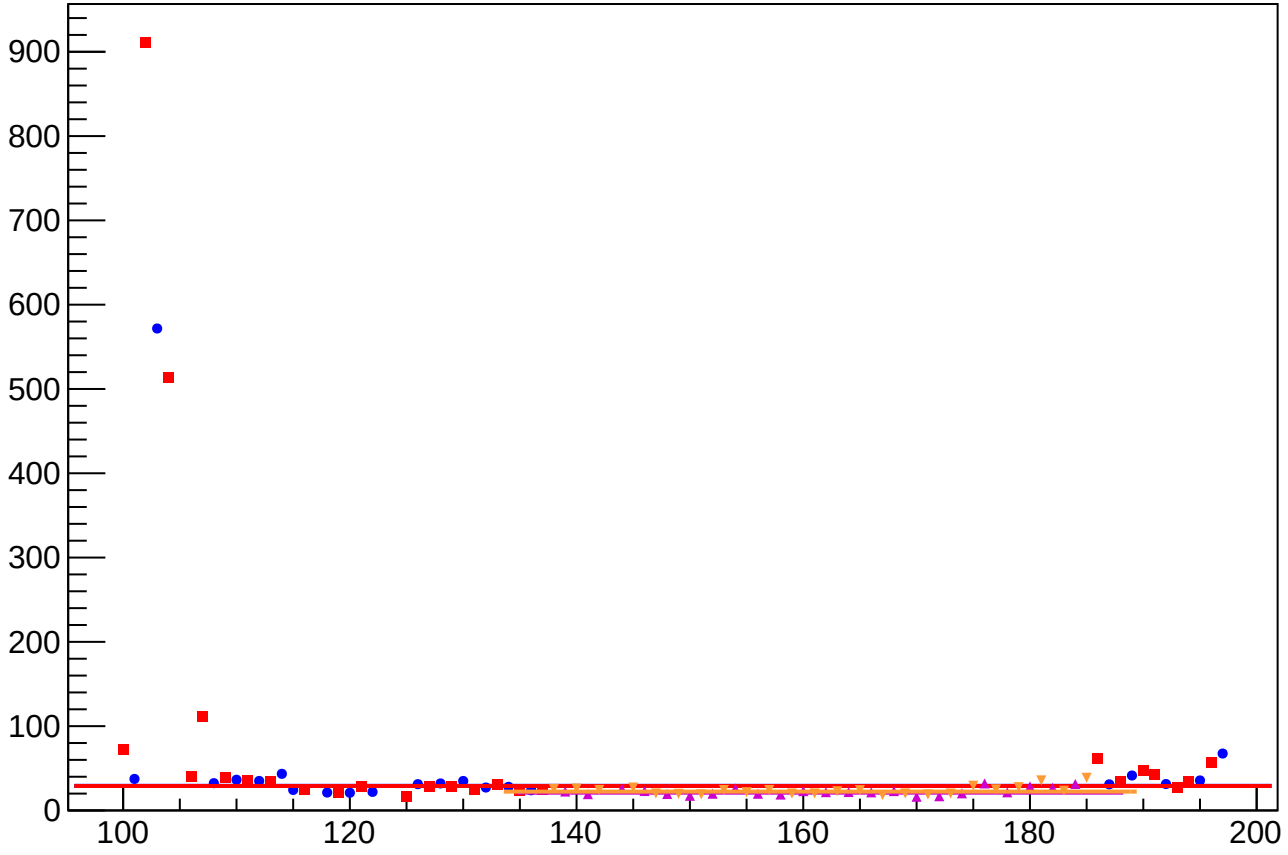
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 36.6/44

All: -0.002+/-0.003 χ^2/NDF: 74.0/92

- sign 0.003+/-0.005 χ^2/NDF: 35.5/47

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.218+/-0.007 χ^2/NDF: 2194351.1/20

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

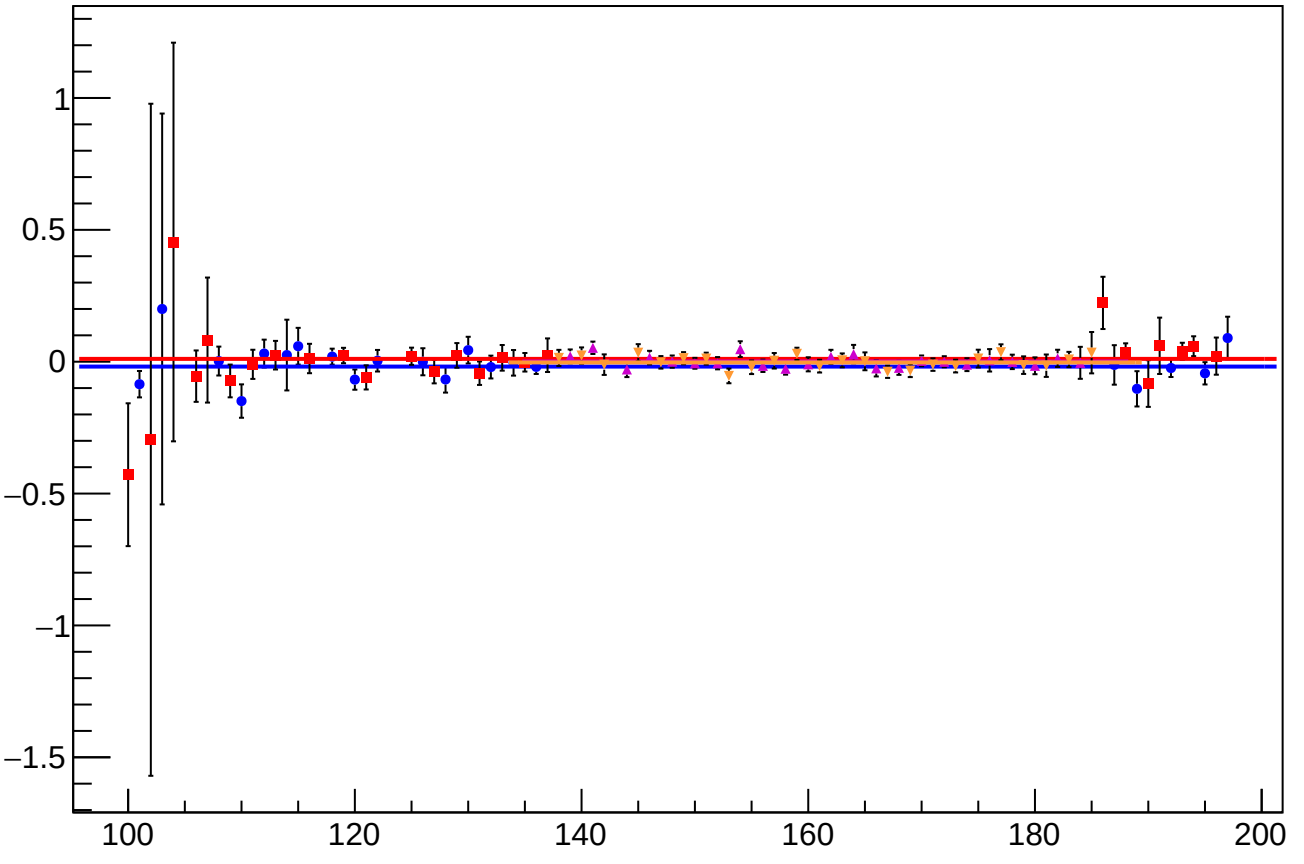
Right Out: 29.013+/-0.007 χ^2/NDF: 3444073.5/24

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 23.962+/-0.004 χ^2/NDF: 3692888.5/44

All: 23.411+/-0.002 χ^2/NDF: 8956559.9/92

\- sign 22.898+/-0.003 χ^2/NDF: 5216370.1/47



Right In: -0.018+/-0.010 χ^2/NDF: 18.5/20

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

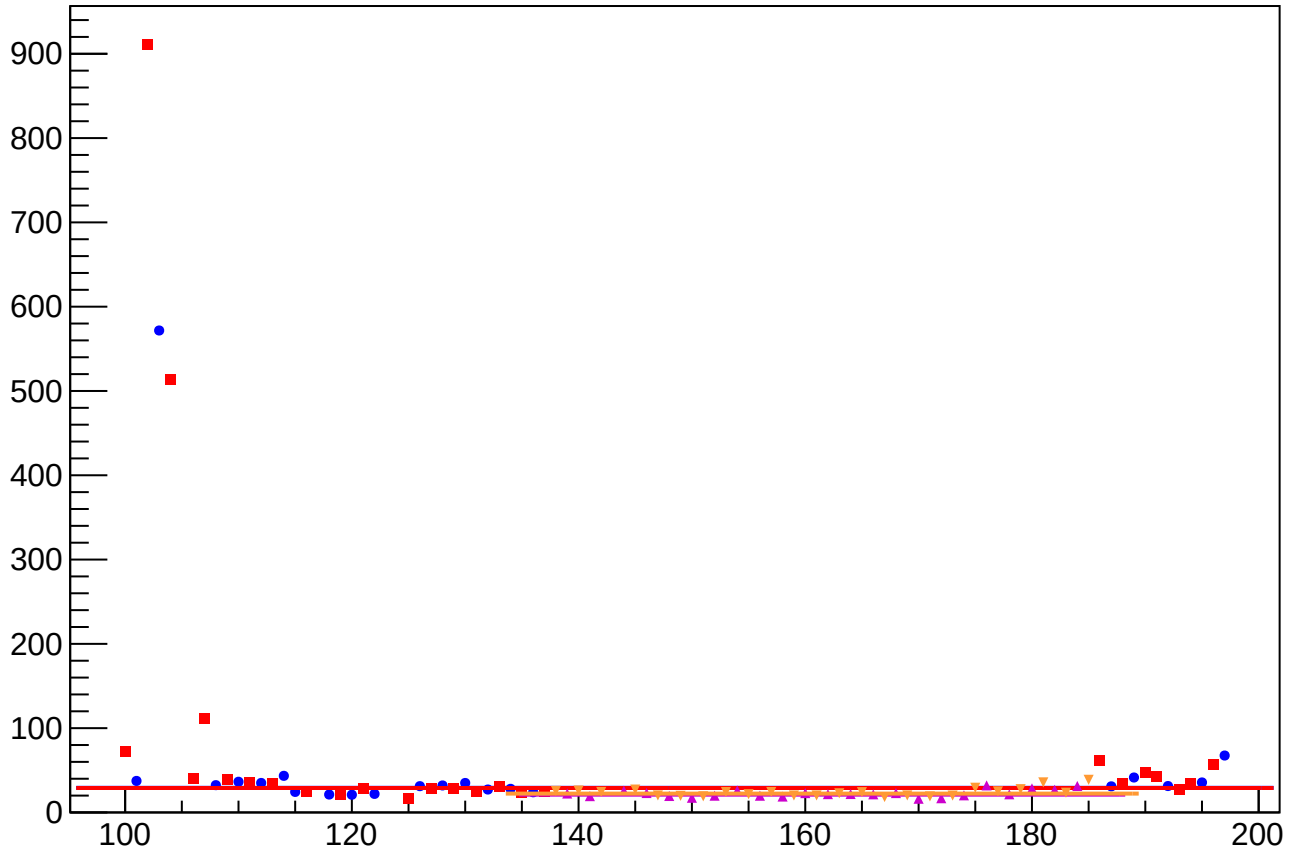
Right Out: 0.011+/-0.010 χ^2/NDF: 19.9/24

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 36.6/44

All: -0.002+/-0.003 χ^2/NDF: 74.0/92

- sign 0.003+/-0.005 χ^2/NDF: 35.5/47



Right In: 29.218+/-0.007 χ^2/NDF: 2194351.1/20

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

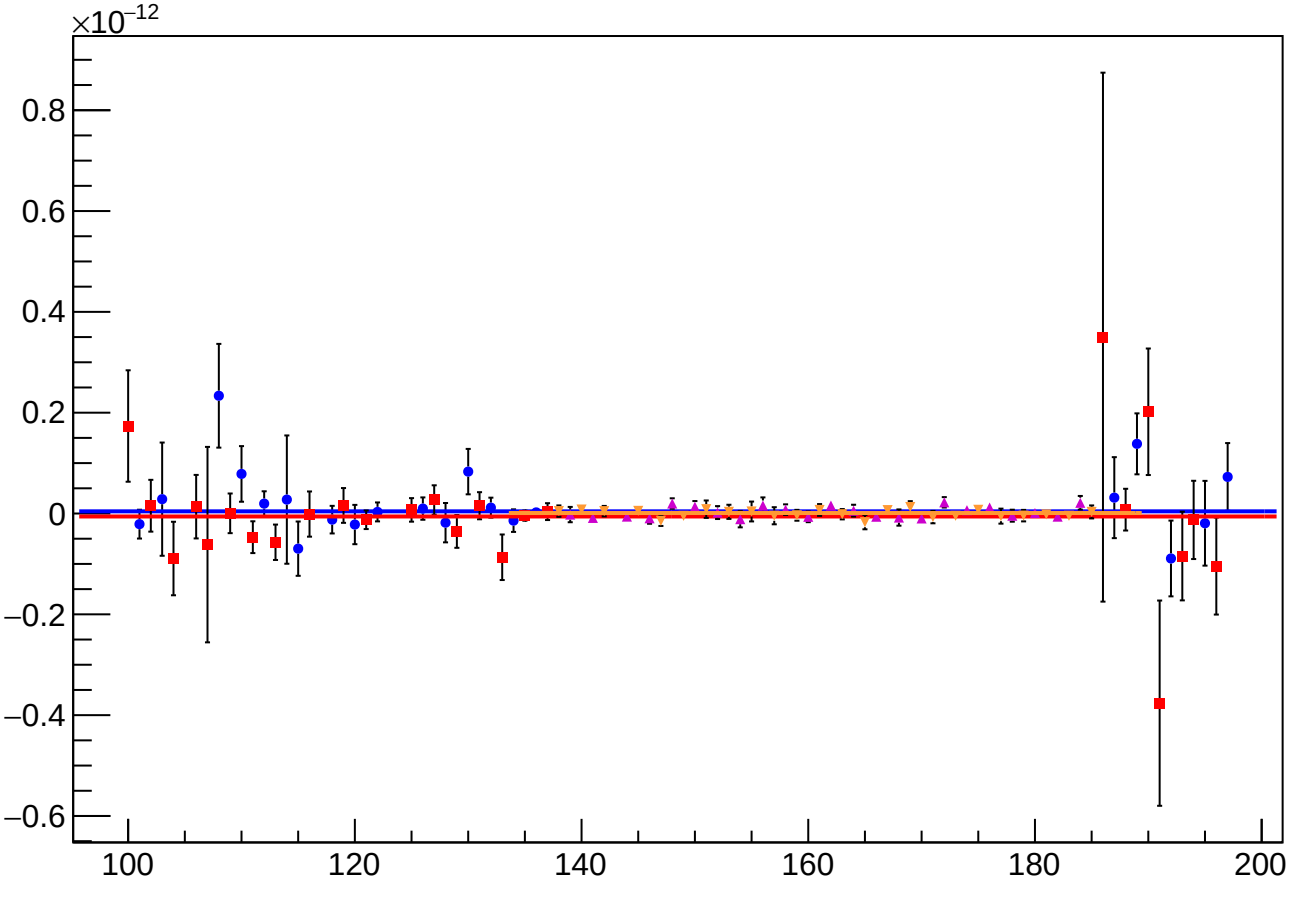
Right Out: 29.013+/-0.007 χ^2/NDF: 3444073.5/24

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.962+/-0.004 χ^2/NDF: 3692888.5/44

All: 23.411+/-0.002 χ^2/NDF: 8956559.9/92

- sign 22.898+/-0.003 χ^2/NDF: 5216370.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

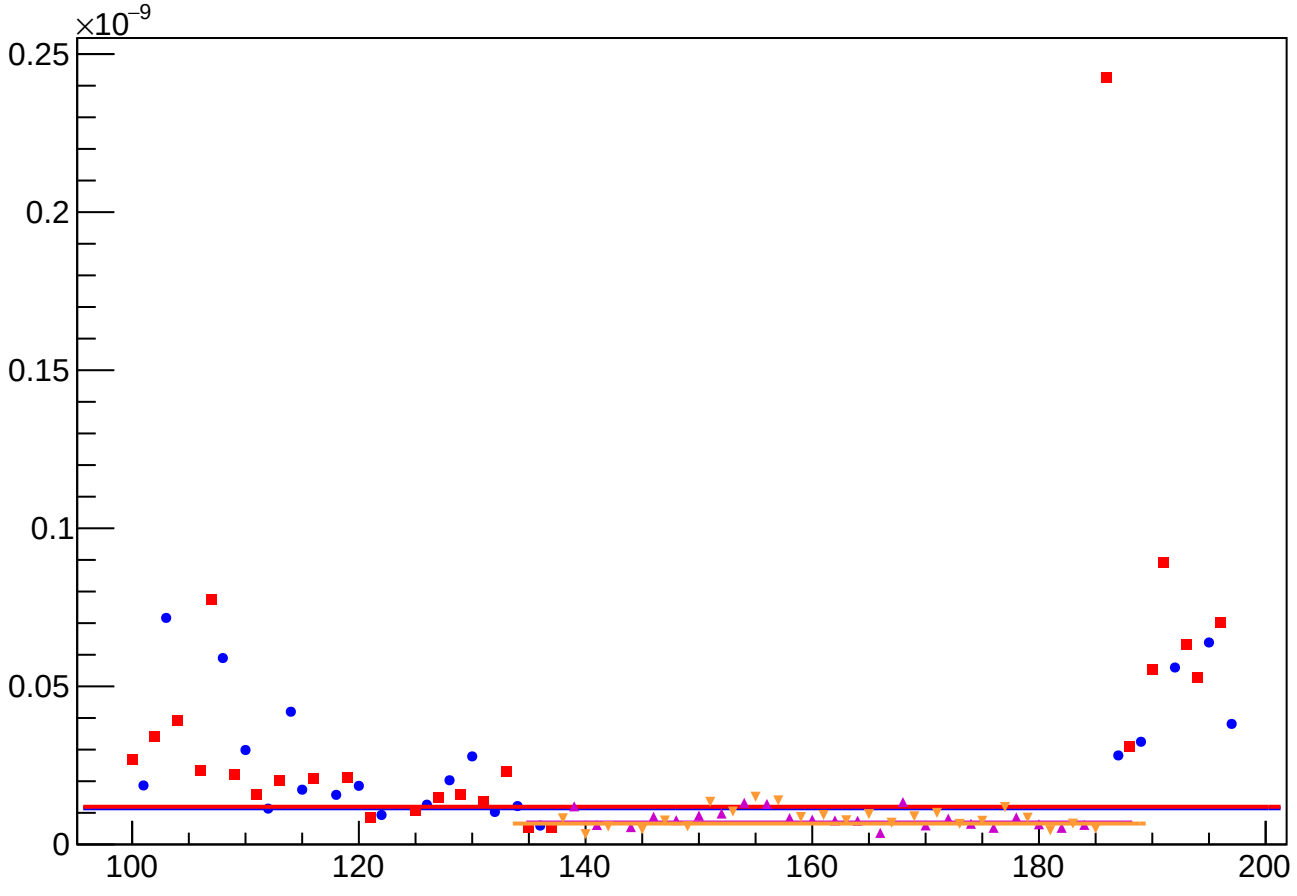
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/24

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.6/44

All: 0.000+/-0.000 χ^2/NDF: 85.5/92

- sign 0.000+/-0.000 χ^2/NDF: 50.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 4978127.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6176939.2/24

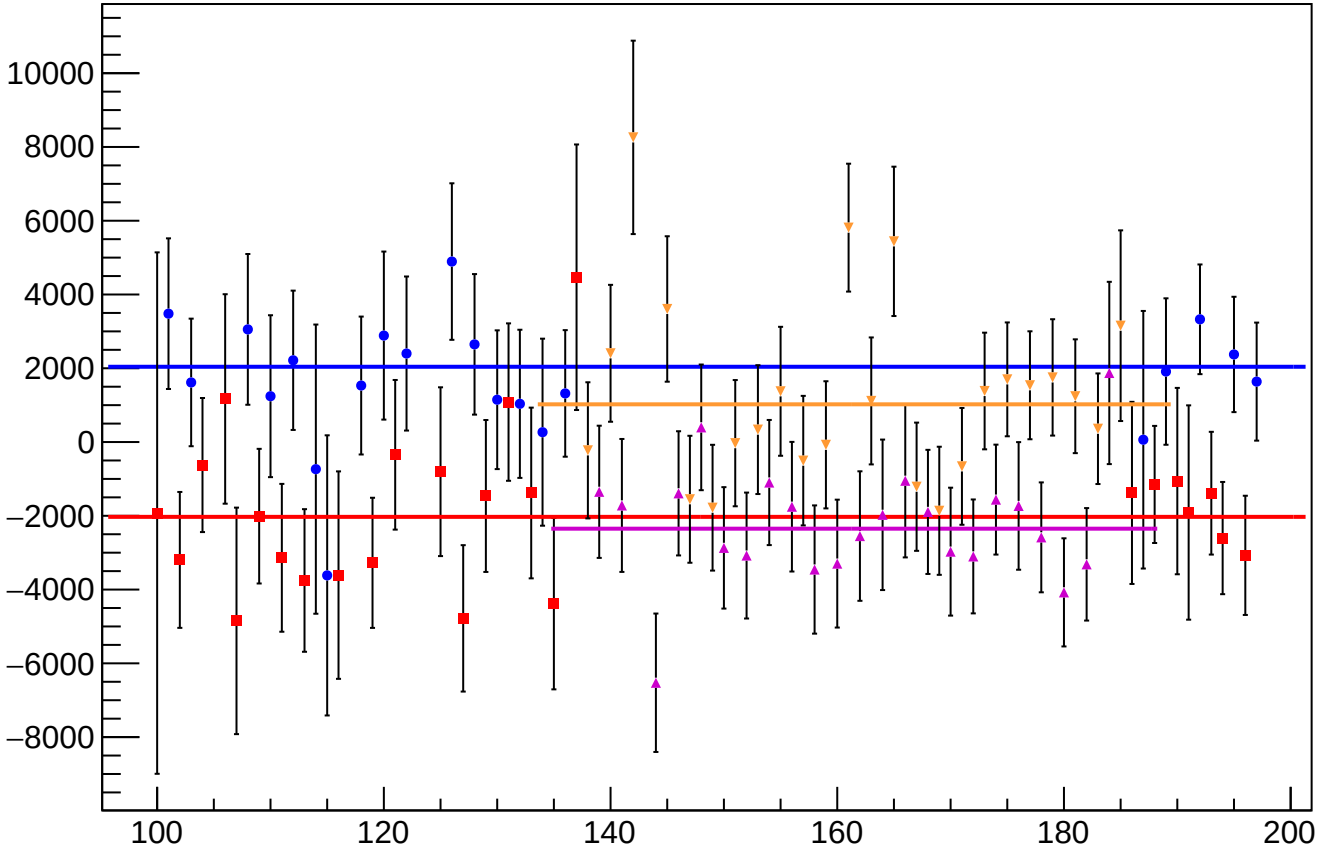
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9734076.1/44

All: 0.000+/-0.000 χ^2/NDF: 19502691.3/92

- sign 0.000+/-0.000 χ^2/NDF: 9740629.2/47

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2040.789+/-436.223 χ^2/NDF: 8.1/20

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2028.637+/-418.261 χ^2/NDF: 15.7/24

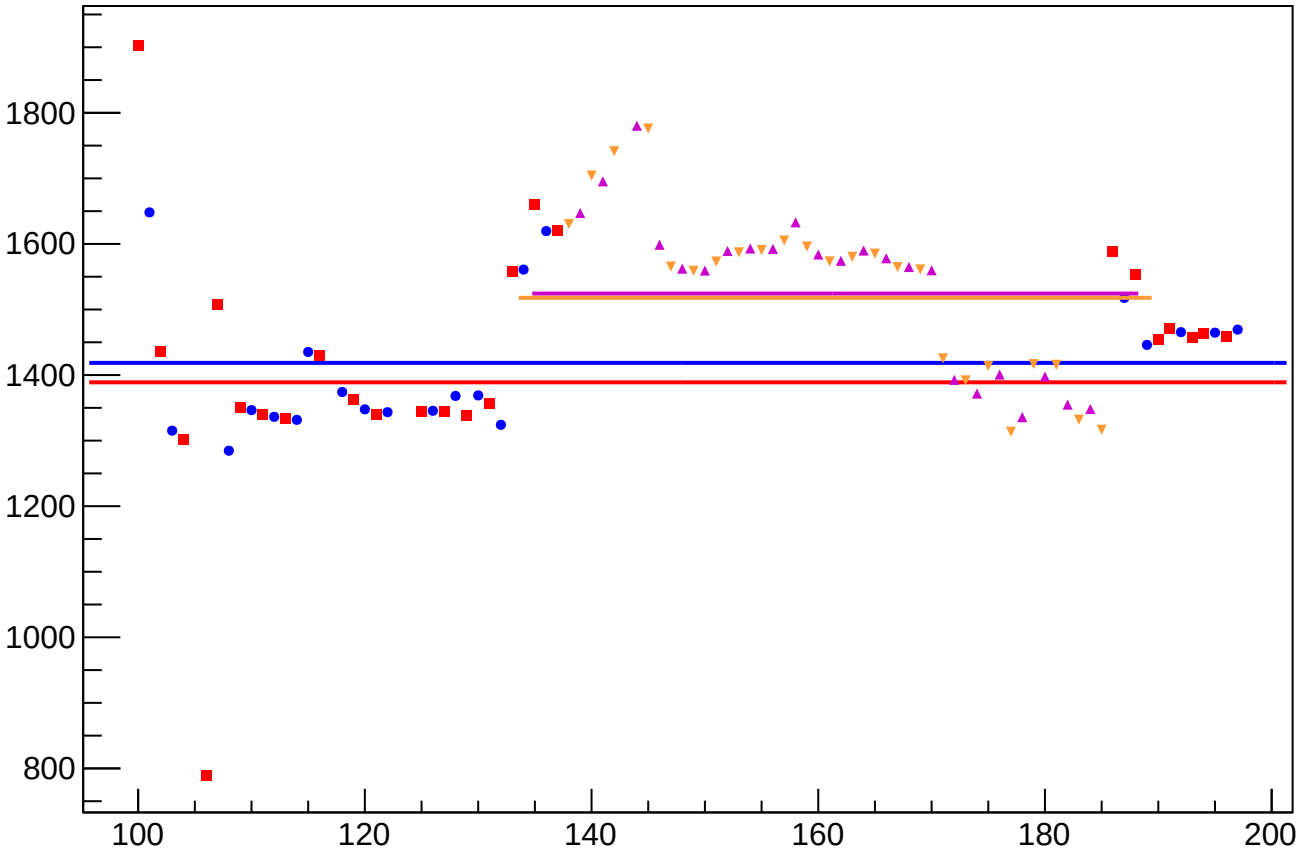
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1426.142+/-274.624 χ^2/NDF: 47.9/44

All: -414.322+/-193.099 χ^2/NDF: 168.7/92

- sign -2214.056+/-271.568 χ^2/NDF: 32.0/47

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1418.590+/-0.308 χ^2/NDF: 104706.7/20

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

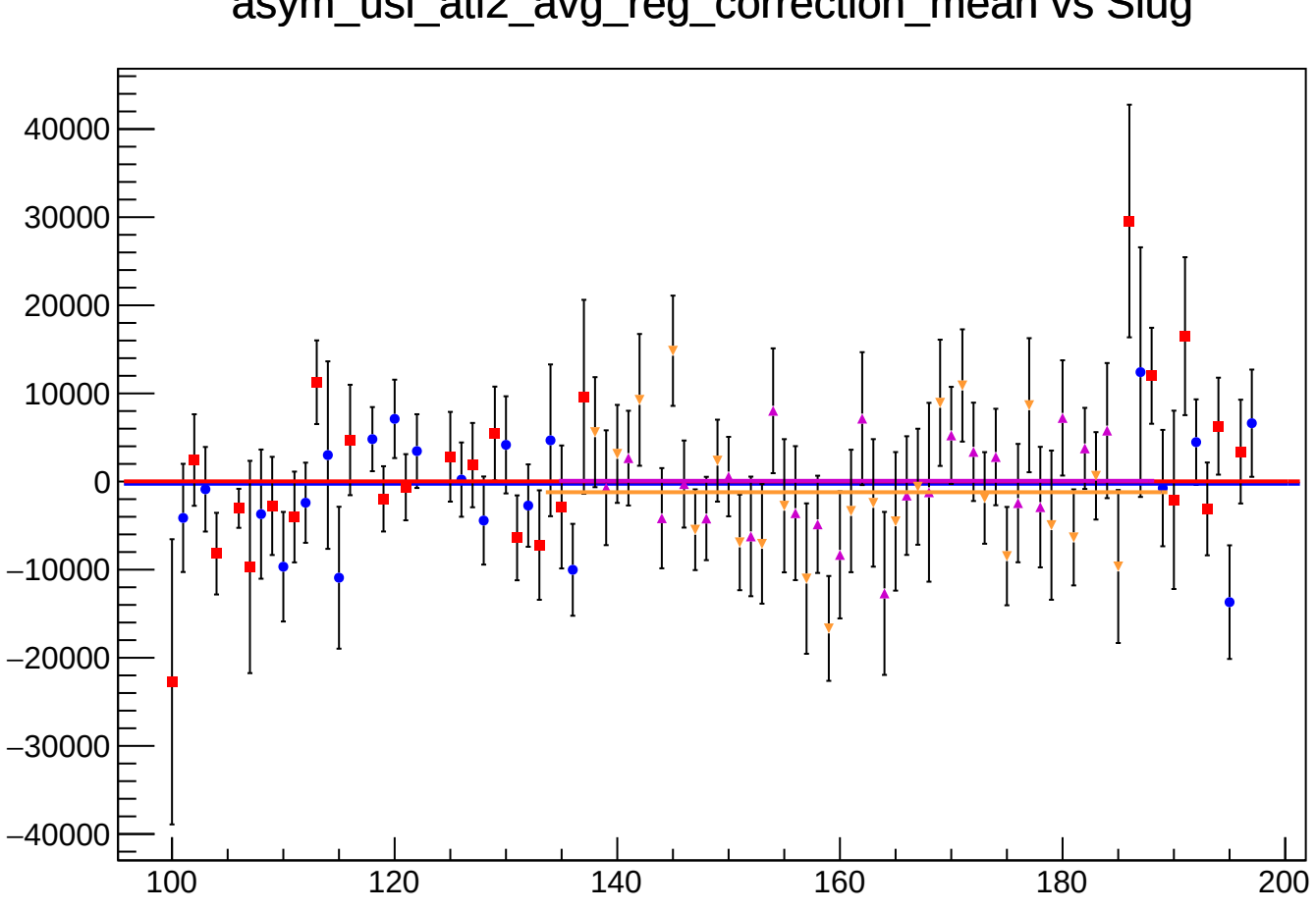
Right Out: 1388.922+/-0.290 χ^2/NDF: 387669.0/24

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1478.489+/-0.194 χ^2/NDF: 401132.9/44

All: 1472.047+/-0.136 χ^2/NDF: 1139431.7/92

- sign 1465.858+/-0.190 χ^2/NDF: 736141.0/47



Right In: -249.274+/-1181.120 χ^2/NDF: 23.3/20

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 19.538+/-1022.264 χ^2/NDF: 36.0/24

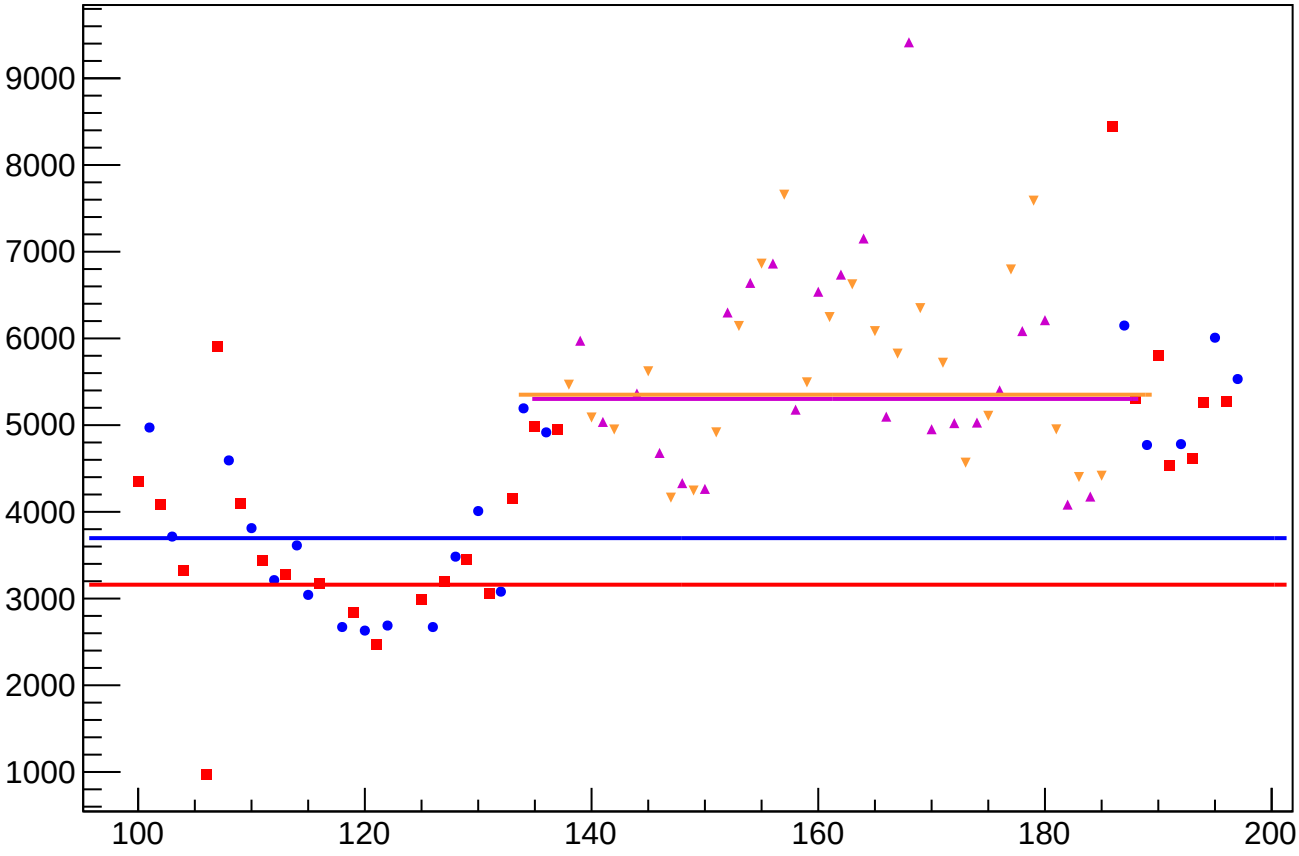
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -696.359+/-864.361 χ^2/NDF: 56.9/44

All: -295.391+/-585.109 χ^2/NDF: 106.5/92

- sign 43.747+/-794.930 χ^2/NDF: 49.2/47

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3696.812+/-0.835 χ^2/NDF: 1527280.3/20

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3159.924+/-0.723 χ^2/NDF: 4049902.3/24

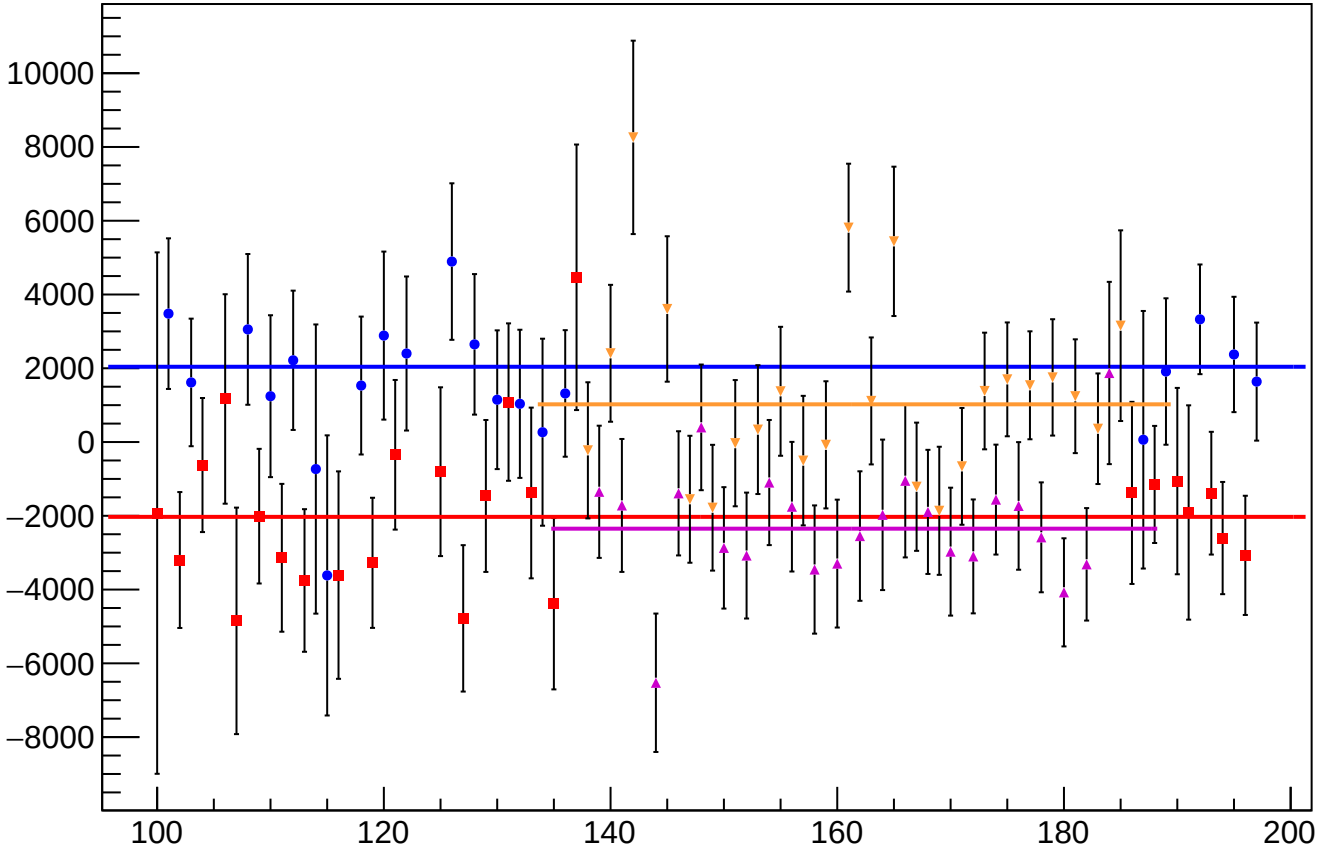
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4465.153+/-0.611 χ^2/NDF: 4415600.9/44

All: 4216.822+/-0.414 χ^2/NDF: 13498586.4/9

- sign 4006.784+/-0.562 χ^2/NDF: 8778276.1/47

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2040.839+/-436.224 χ^2/NDF: 8.1/20

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2028.774+/-418.262 χ^2/NDF: 15.7/24

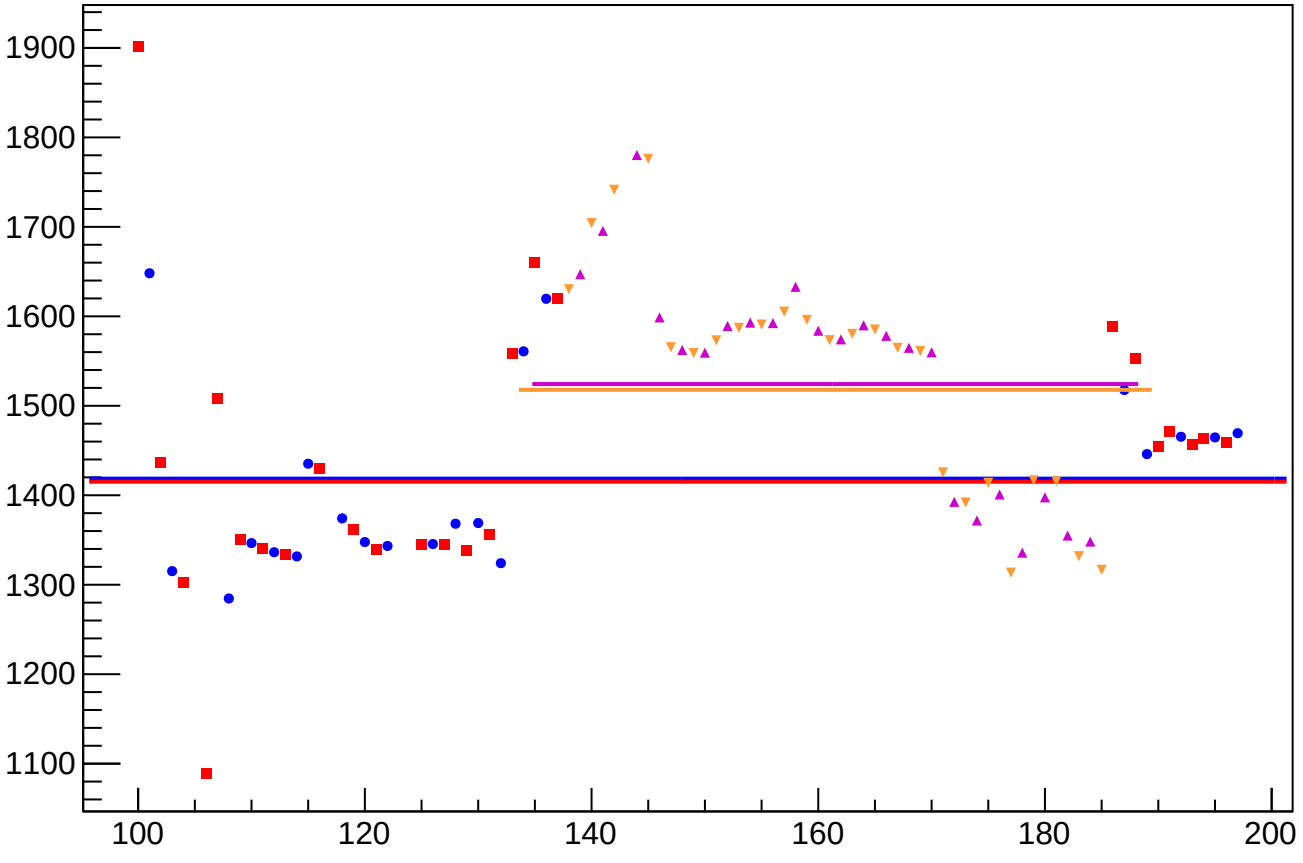
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1426.180+/-274.624 χ^2/NDF: 47.9/44

All: -414.329+/-193.099 χ^2/NDF: 168.8/92

- sign -2214.112+/-271.569 χ^2/NDF: 32.0/47

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1418.589+/-0.308 χ^2/NDF: 104706.7/20

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1415.163+/-0.293 χ^2/NDF: 156578.4/24

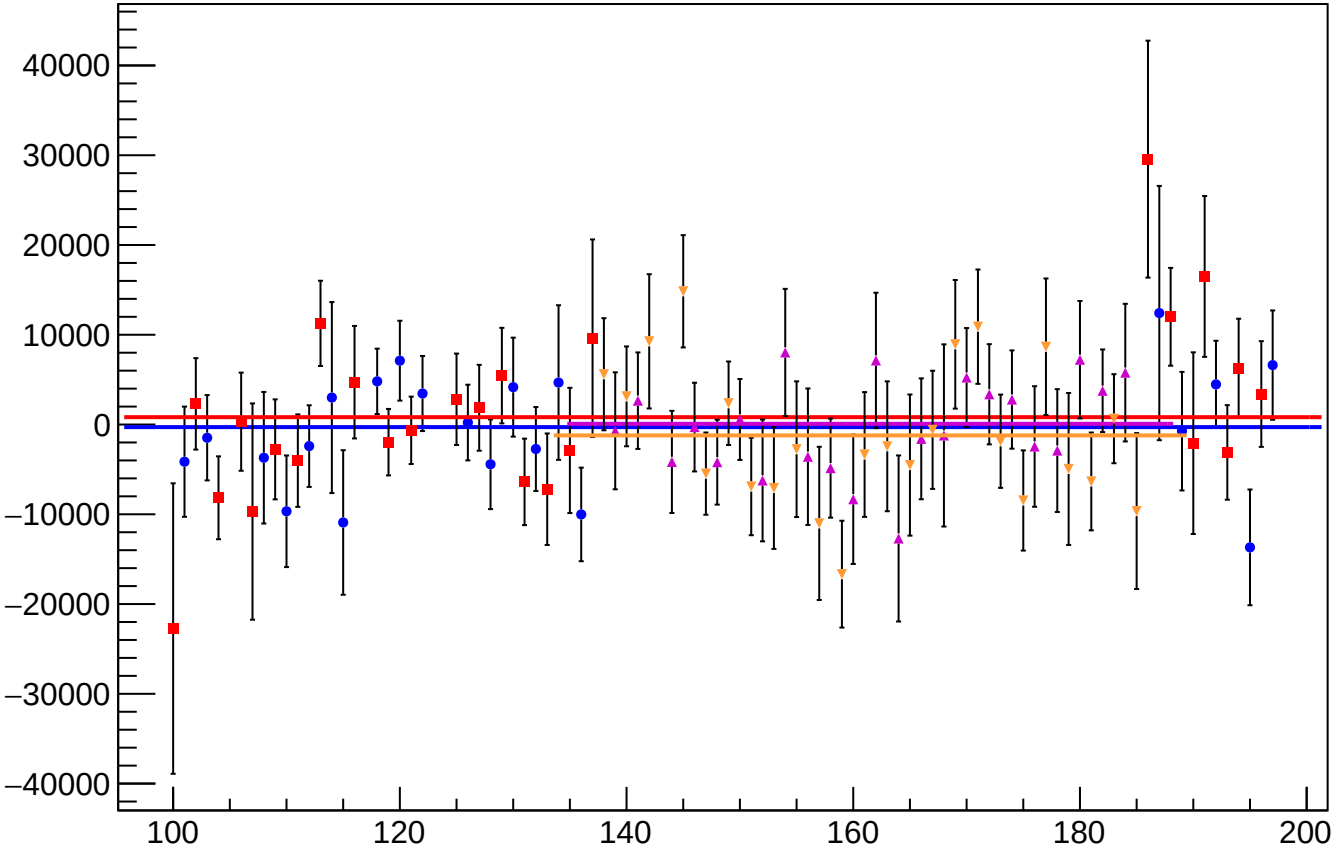
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1478.489+/-0.194 χ^2/NDF: 401133.0/44

All: 1478.158+/-0.136 χ^2/NDF: 861618.4/92

- sign 1477.836+/-0.191 χ^2/NDF: 460479.7/47

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -287.245+/-1180.374 χ^2/NDF: 23.3/20

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 819.348+/-1126.420 χ^2/NDF: 33.6/24

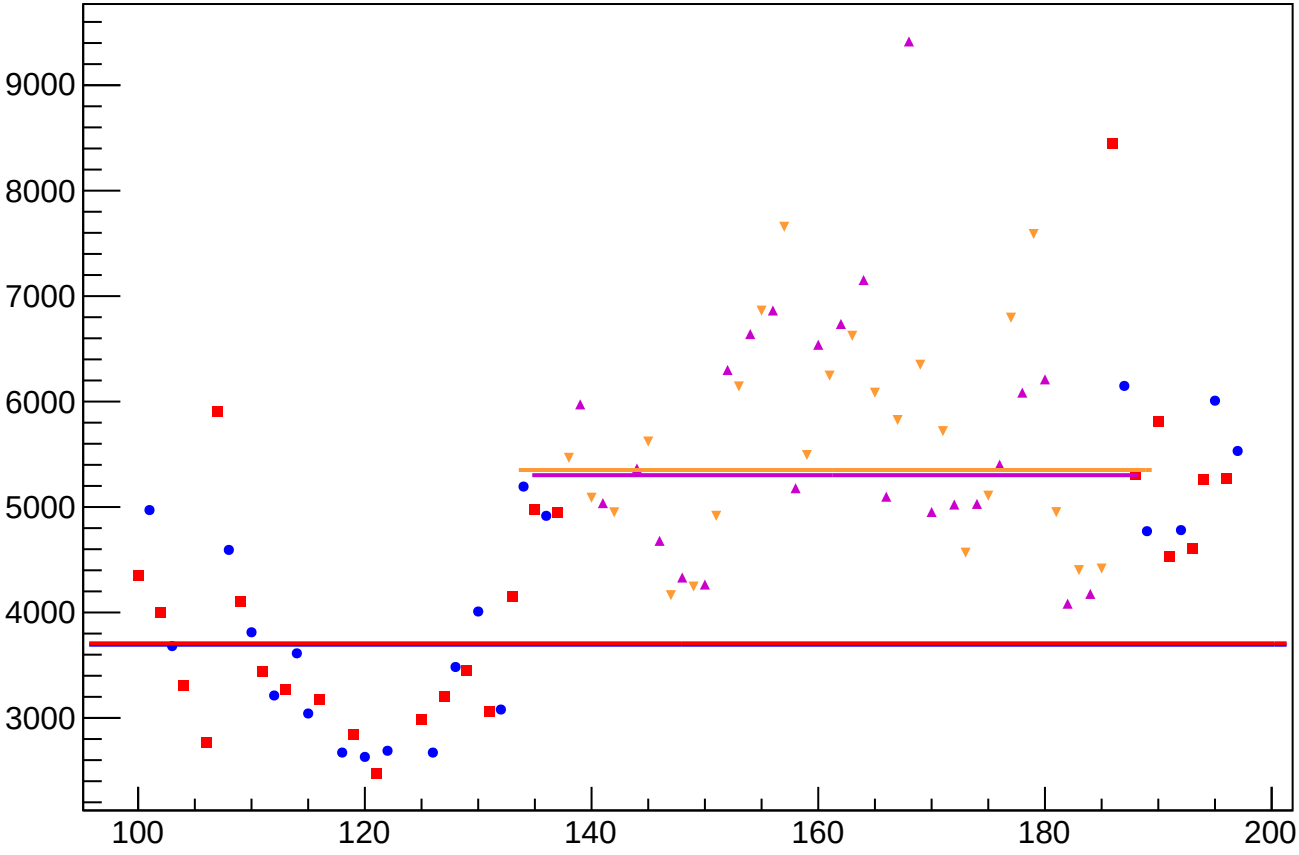
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -716.402+/-864.069 χ^2/NDF: 56.9/44

All: -95.638+/-602.684 χ^2/NDF: 104.9/92

- sign 492.485+/-841.045 χ^2/NDF: 47.0/47

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3694.746+/-0.835 χ^2/NDF: 1527165.9/20

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3707.505+/-0.796 χ^2/NDF: 1620445.1/24

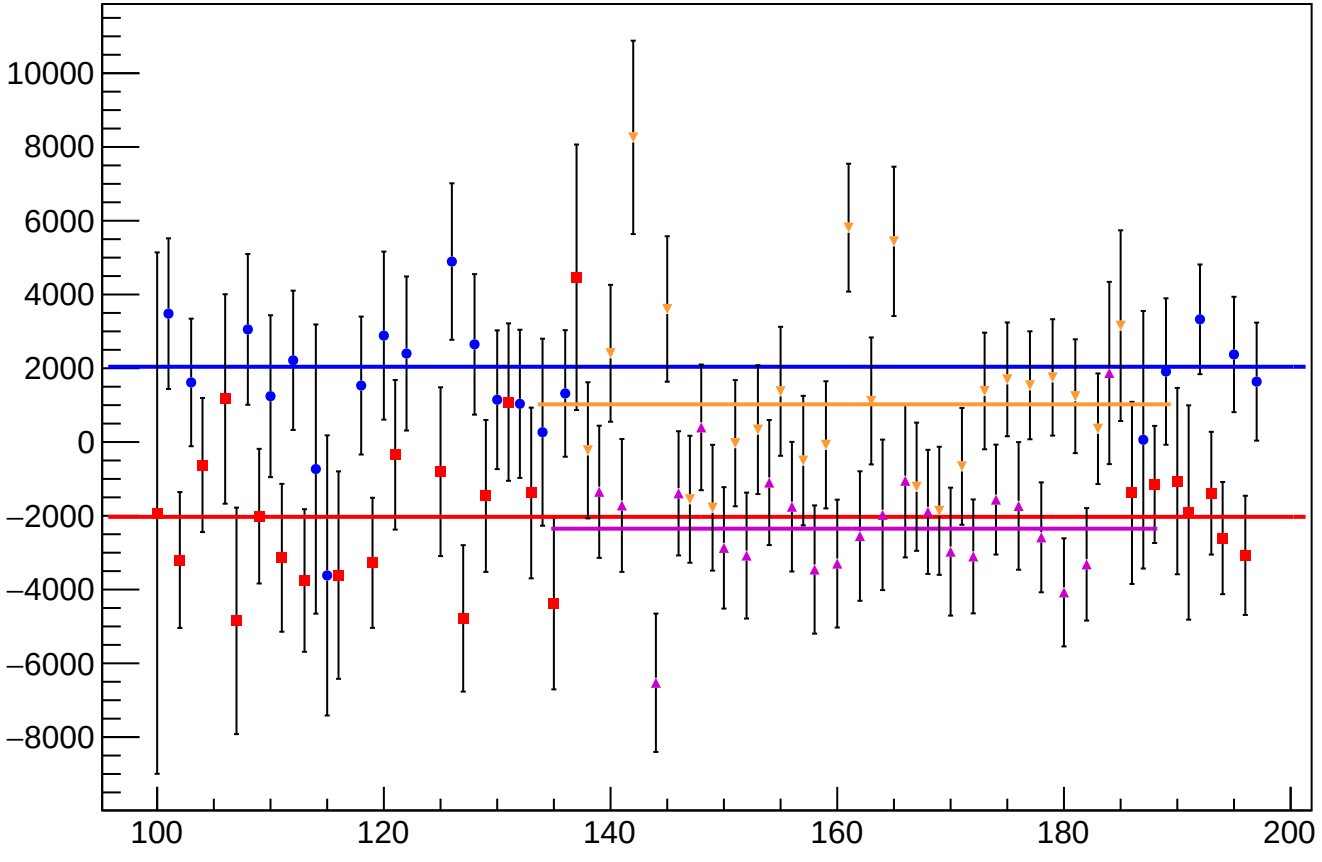
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

\+ sign 4463.527+/-0.611 χ^2/NDF: 4421119.0/44

All: 4437.664+/-0.426 χ^2/NDF: 9075132.1/92

\- sign 4413.160+/-0.595 χ^2/NDF: 4650523.6/47

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2040.839+/-436.224 χ^2/NDF: 8.1/20

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2028.774+/-418.262 χ^2/NDF: 15.7/24

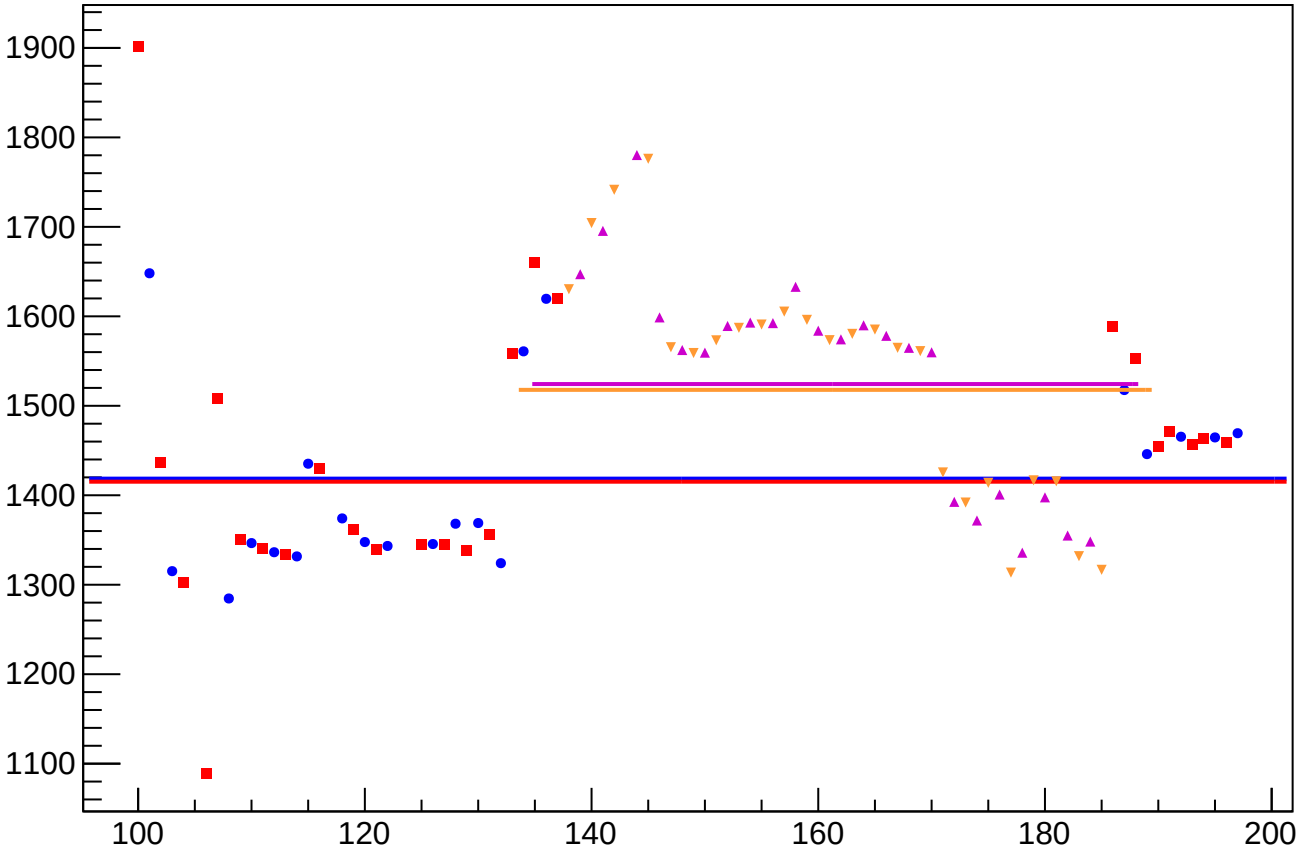
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1426.180+/-274.624 χ^2/NDF: 47.9/44

All: -414.329+/-193.099 χ^2/NDF: 168.8/92

- sign -2214.112+/-271.569 χ^2/NDF: 32.0/47

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1418.589+/-0.308 χ^2/NDF: 104706.7/20

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

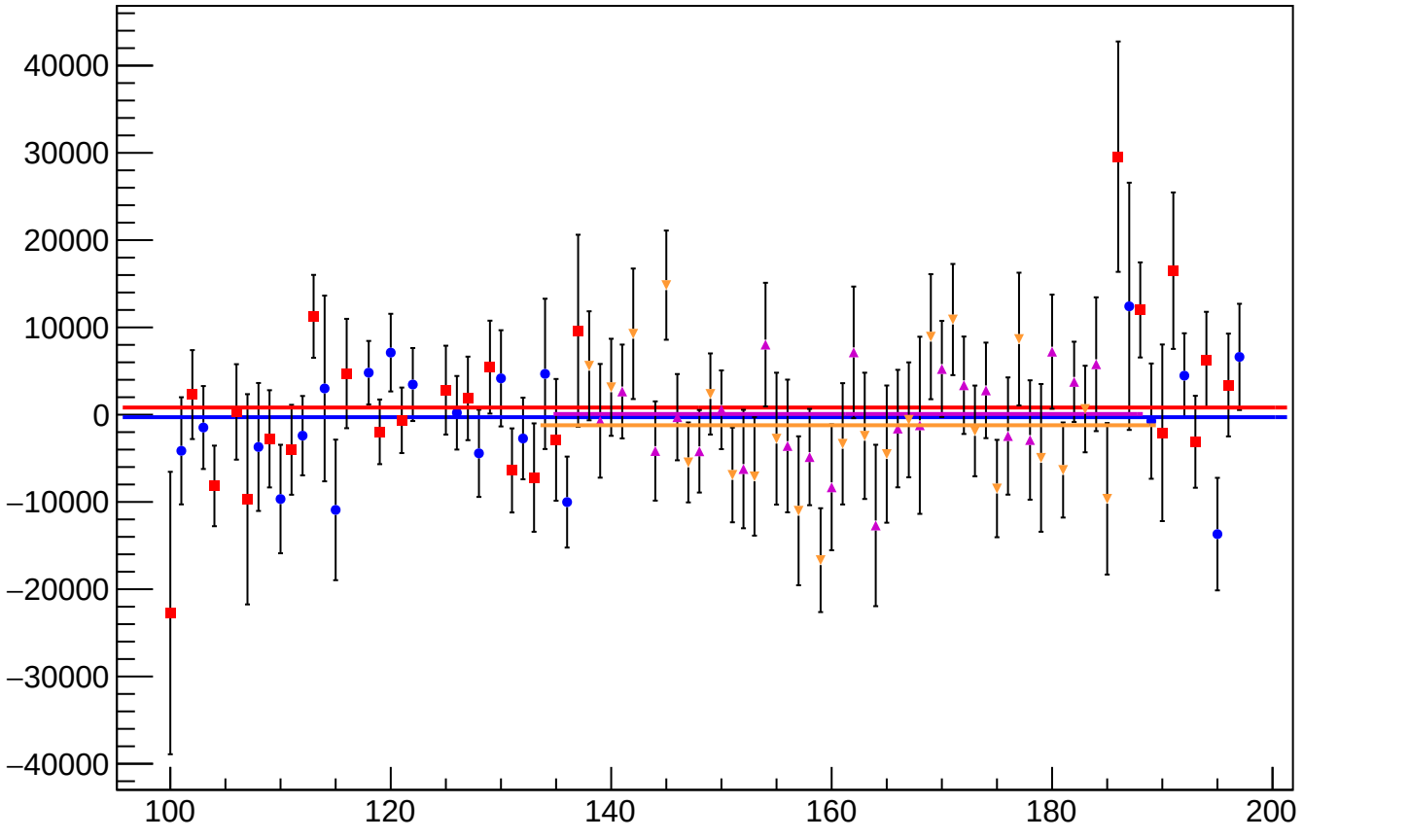
Right Out: 1415.163+/-0.293 χ^2/NDF: 156578.4/24

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1478.489+/-0.194 χ^2/NDF: 401133.0/44

All: 1478.158+/-0.136 χ^2/NDF: 861618.4/92

- sign 1477.836+/-0.191 χ^2/NDF: 460479.7/47



Right In: -287.245+/-1180.374 χ^2/NDF: 23.3/20

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

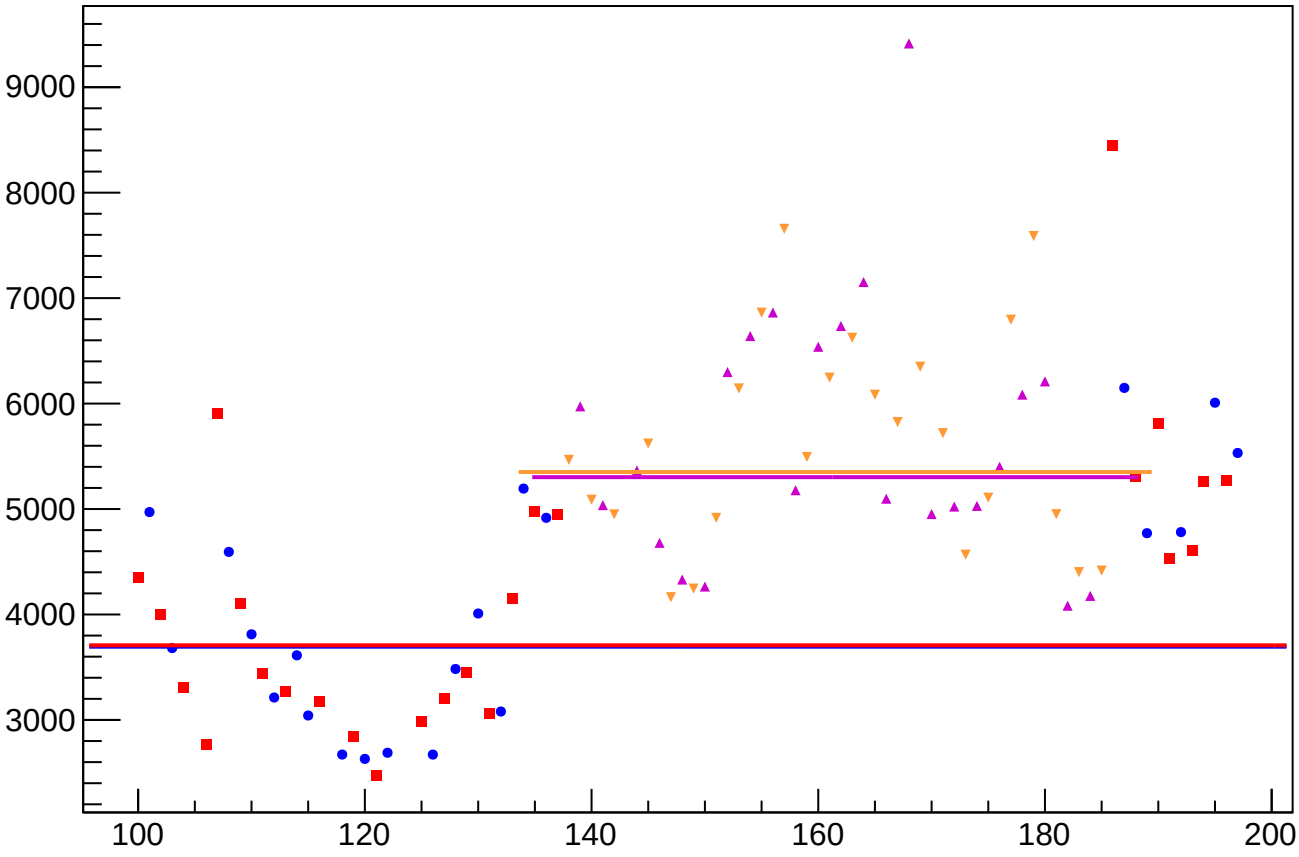
Right Out: 819.348+/-1126.420 χ^2/NDF: 33.6/24

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -716.402+/-864.069 χ^2/NDF: 56.9/44

All: -95.638+/-602.684 χ^2/NDF: 104.9/92

- sign 492.485+/-841.045 χ^2/NDF: 47.0/47



Right In: 3694.746+/-0.835 χ^2/NDF: 1527165.9/20

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3707.505+/-0.796 χ^2/NDF: 1620445.1/24

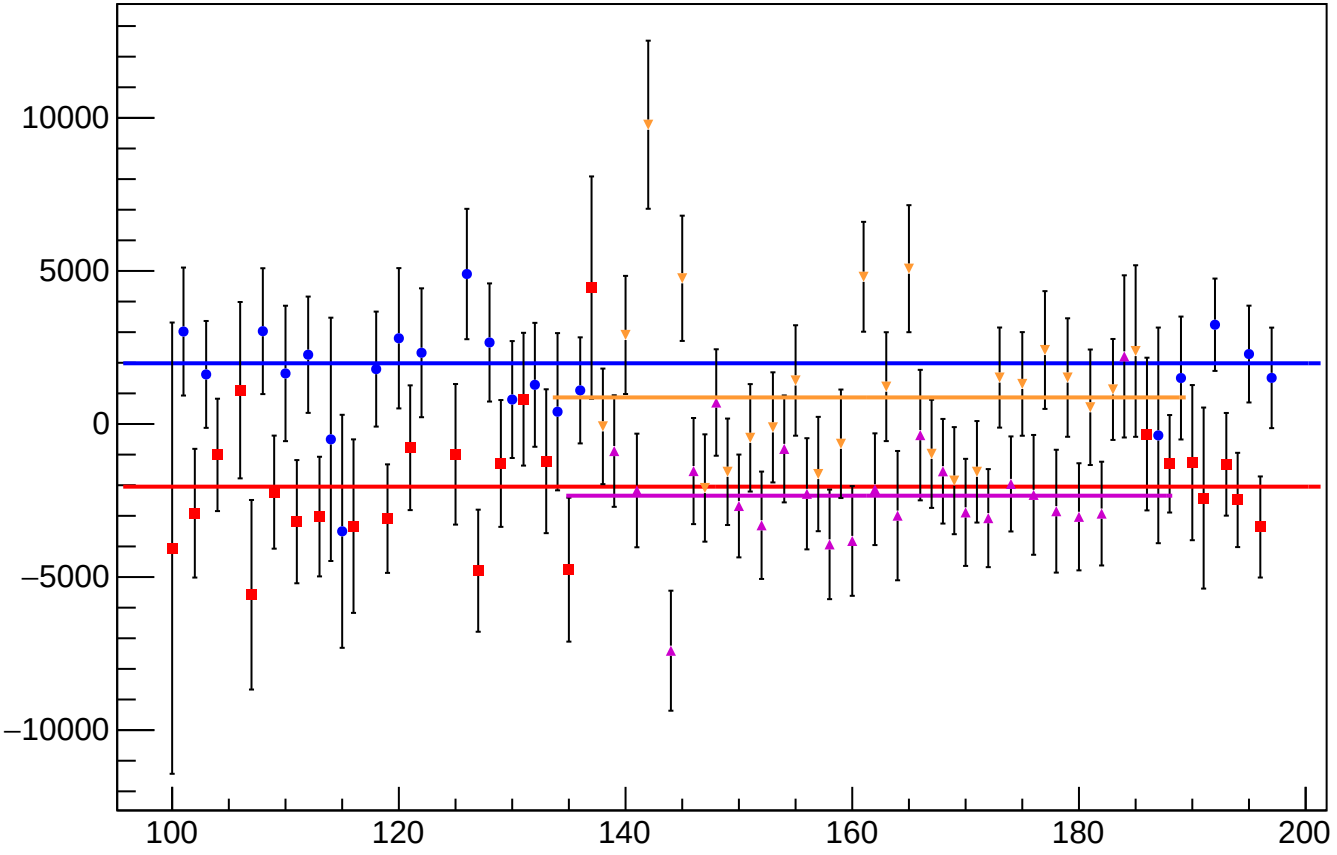
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4463.527+/-0.611 χ^2/NDF: 4421119.0/44

All: 4437.664+/-0.426 χ^2/NDF: 9075132.1/92

- sign 4413.160+/-0.595 χ^2/NDF: 4650523.6/47

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1983.643+/-441.173 χ^2/NDF: 7.7/20

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2047.009+/-424.658 χ^2/NDF: 14.9/24

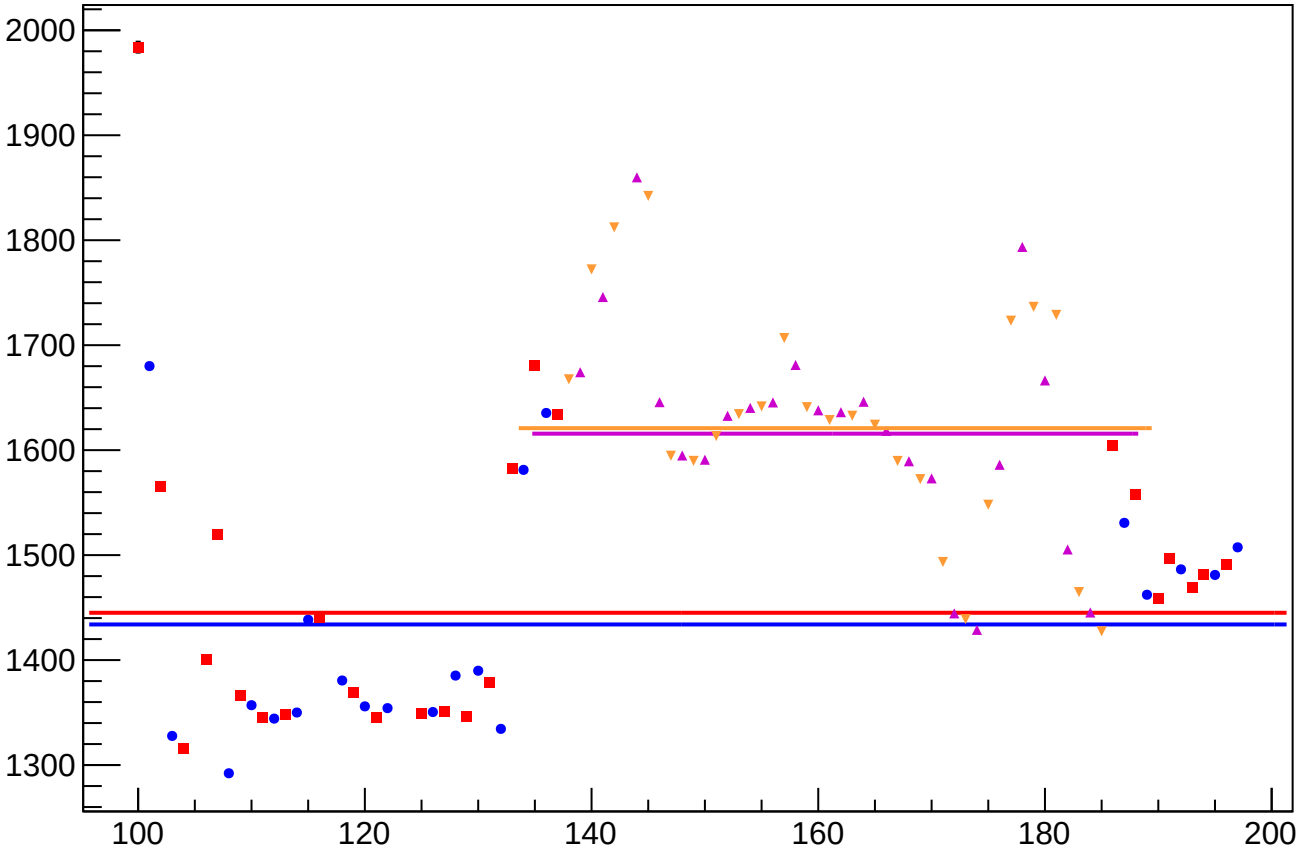
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1339.351+/-286.687 χ^2/NDF: 51.1/44

All: -462.968+/-201.183 χ^2/NDF: 162.2/92

- sign -2211.720+/-282.394 χ^2/NDF: 33.2/47

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1433.940+/-0.312 χ^2/NDF: 113186.6/20

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1445.073+/-0.300 χ^2/NDF: 119461.5/24

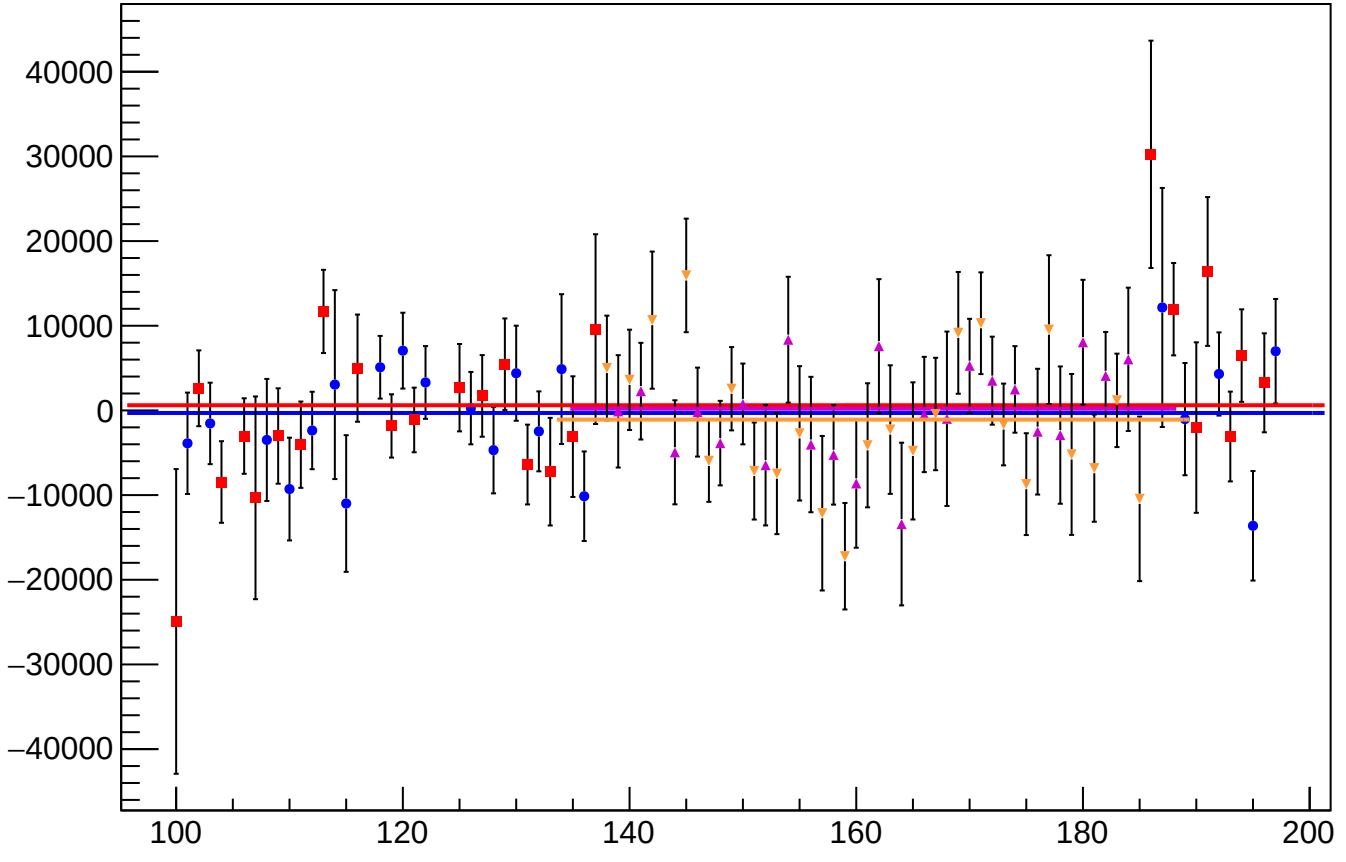
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1541.977+/-0.203 χ^2/NDF: 462776.6/44

All: 1541.026+/-0.142 χ^2/NDF: 899877.8/92

- sign 1540.103+/-0.200 χ^2/NDF: 437057.8/47

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -301.459+/-1192.467 χ^2/NDF: 23.2/20

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 609.931+/-1116.344 χ^2/NDF: 34.7/24

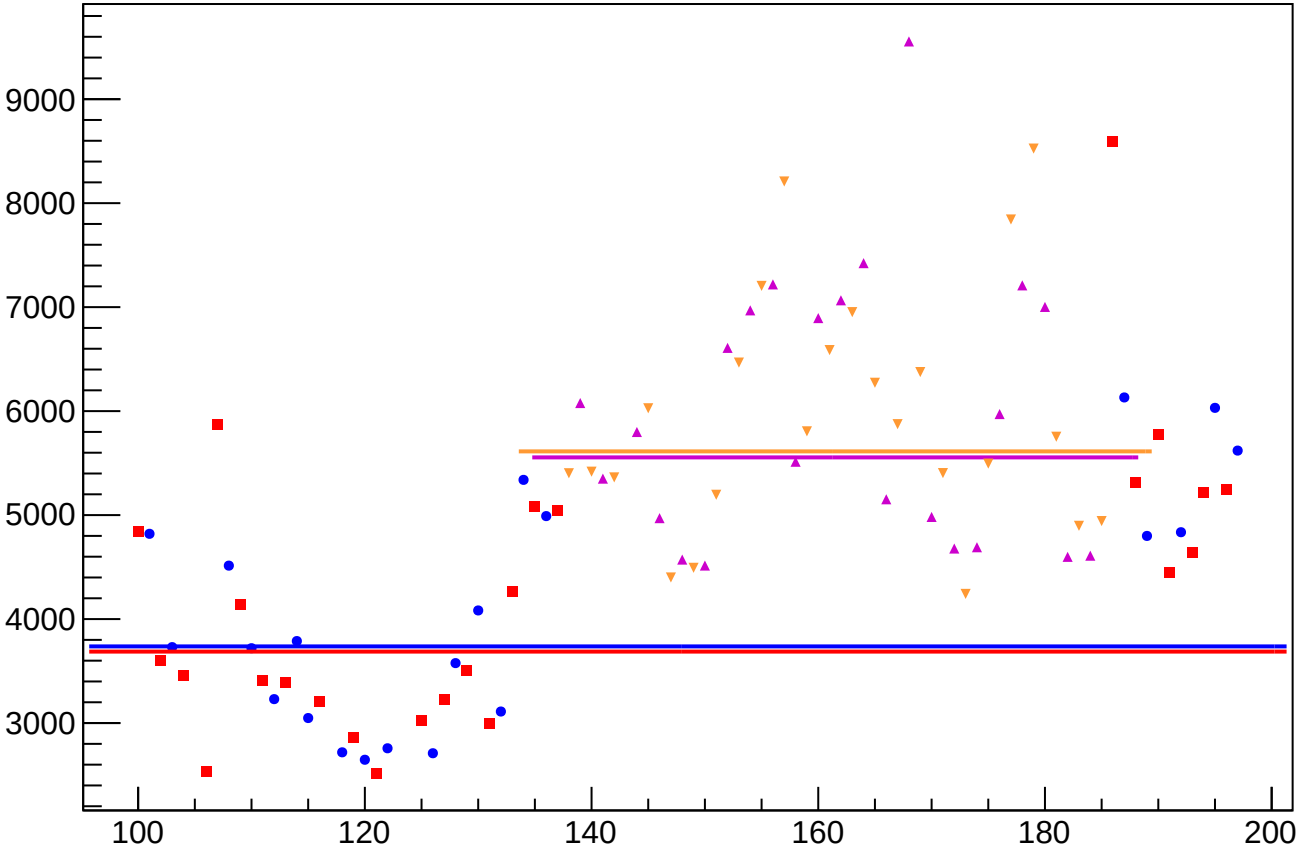
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -648.705+/-888.571 χ^2/NDF: 56.3/44

All: -82.470+/-615.744 χ^2/NDF: 104.7/92

- sign 440.613+/-854.042 χ^2/NDF: 47.6/47

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3737.205+/-0.843 χ^2/NDF: 1486336.1/20

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3687.367+/-0.789 χ^2/NDF: 1663763.6/24

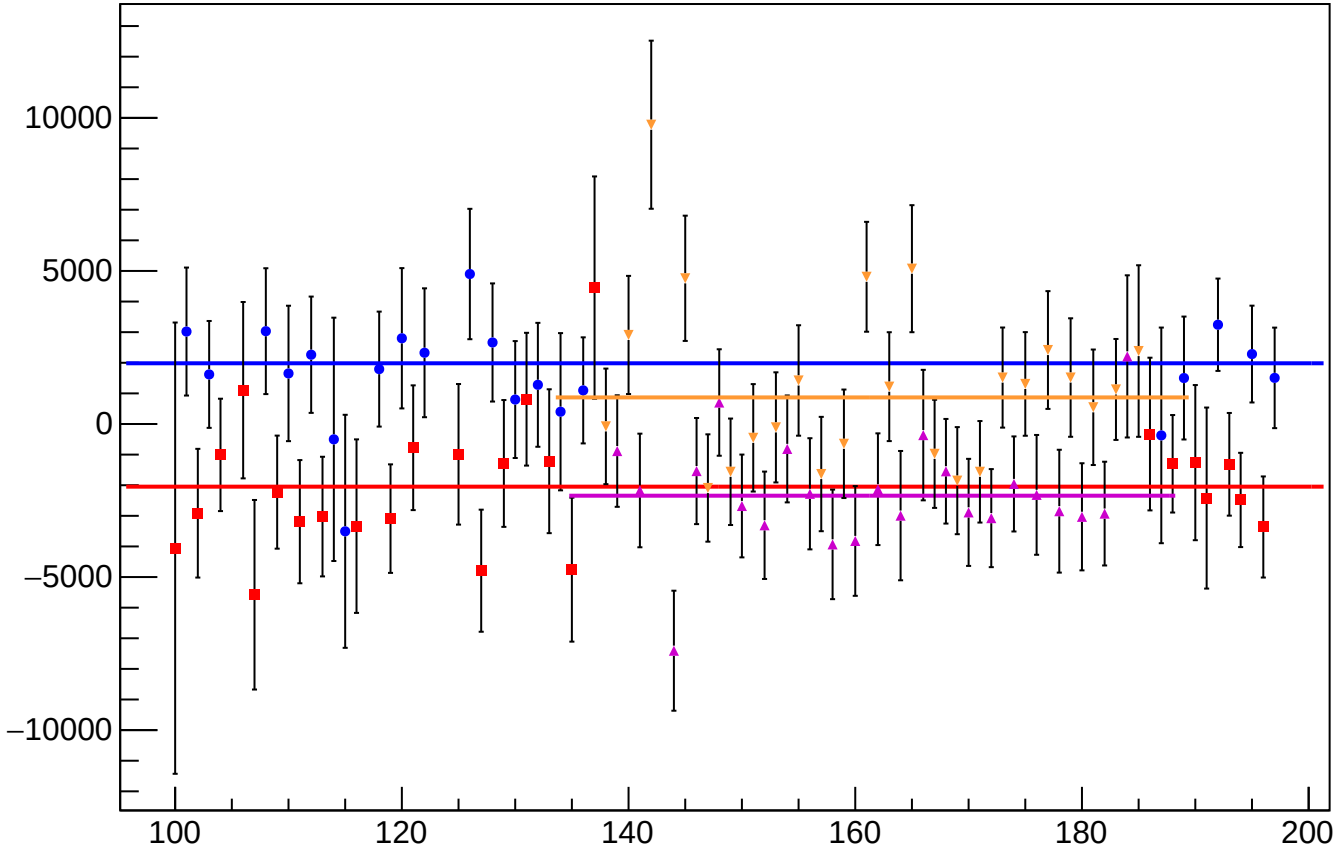
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4571.339+/-0.628 χ^2/NDF: 4874824.7/44

All: 4514.444+/-0.435 χ^2/NDF: 10208681.6/9

- sign 4461.886+/-0.604 χ^2/NDF: 5318082.8/47

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1983.642+/-441.173 χ^2/NDF: 7.7/20

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2047.009+/-424.658 χ^2/NDF: 14.9/24

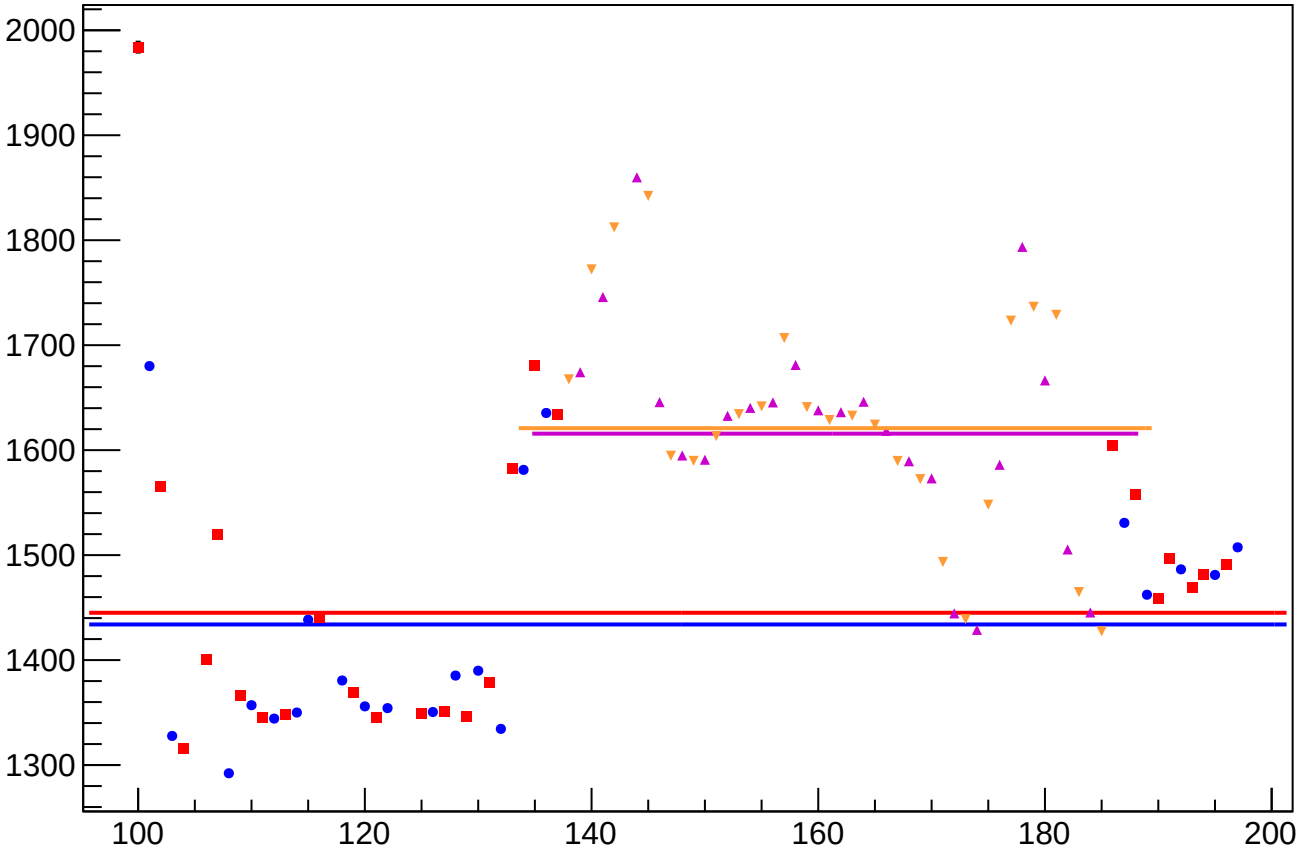
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1339.347+/-286.687 χ^2/NDF: 51.1/44

All: -462.970+/-201.183 χ^2/NDF: 162.2/92

- sign -2211.720+/-282.394 χ^2/NDF: 33.2/47

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1433.941+/-0.312 χ^2/NDF: 113186.6/20

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

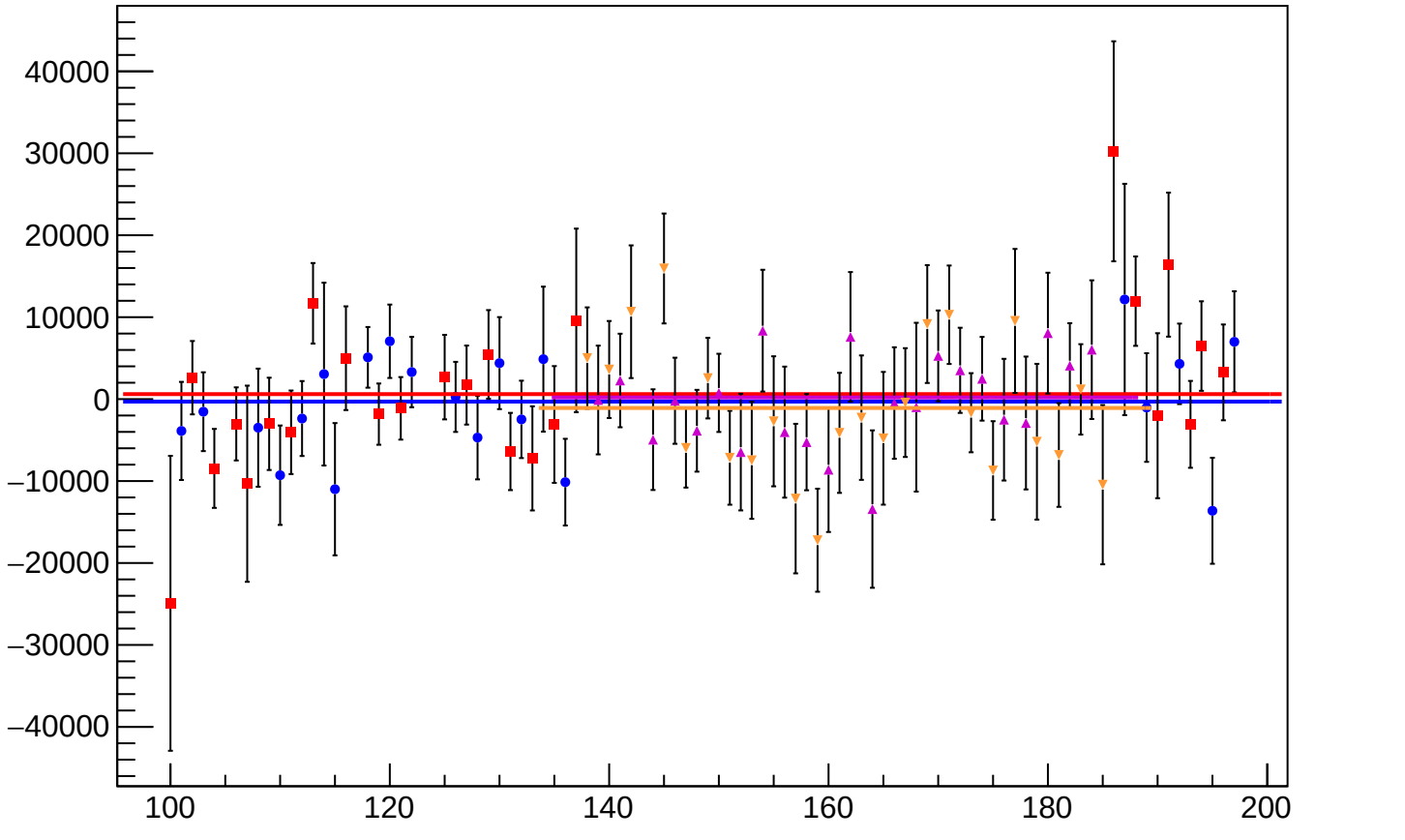
Right Out: 1445.073+/-0.300 χ^2/NDF: 119461.5/24

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1541.978+/-0.203 χ^2/NDF: 462784.0/44

All: 1541.026+/-0.142 χ^2/NDF: 899892.9/92

- sign 1540.104+/-0.200 χ^2/NDF: 437065.4/47



Right In: -301.453+/-1192.465 χ^2/NDF: 23.2/20

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

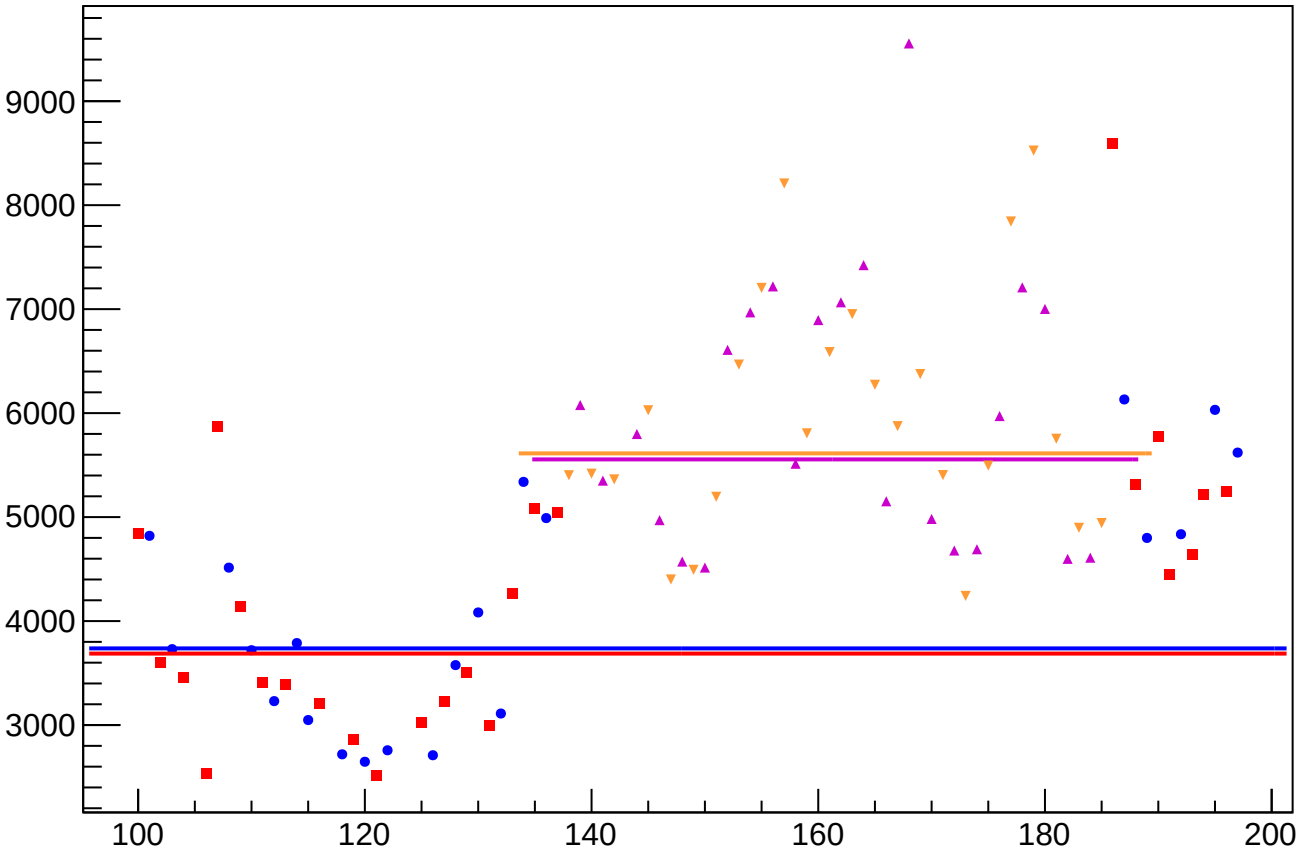
Right Out: 609.925+/-1116.342 χ^2/NDF: 34.7/24

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -648.703+/-888.570 χ^2/NDF: 56.3/44

All: -82.471+/-615.743 χ^2/NDF: 104.7/92

- sign 440.610+/-854.041 χ^2/NDF: 47.6/47



Right In: 3737.195+/-0.843 χ^2/NDF: 1486359.6/20

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3687.358+/-0.789 χ^2/NDF: 1663781.3/24

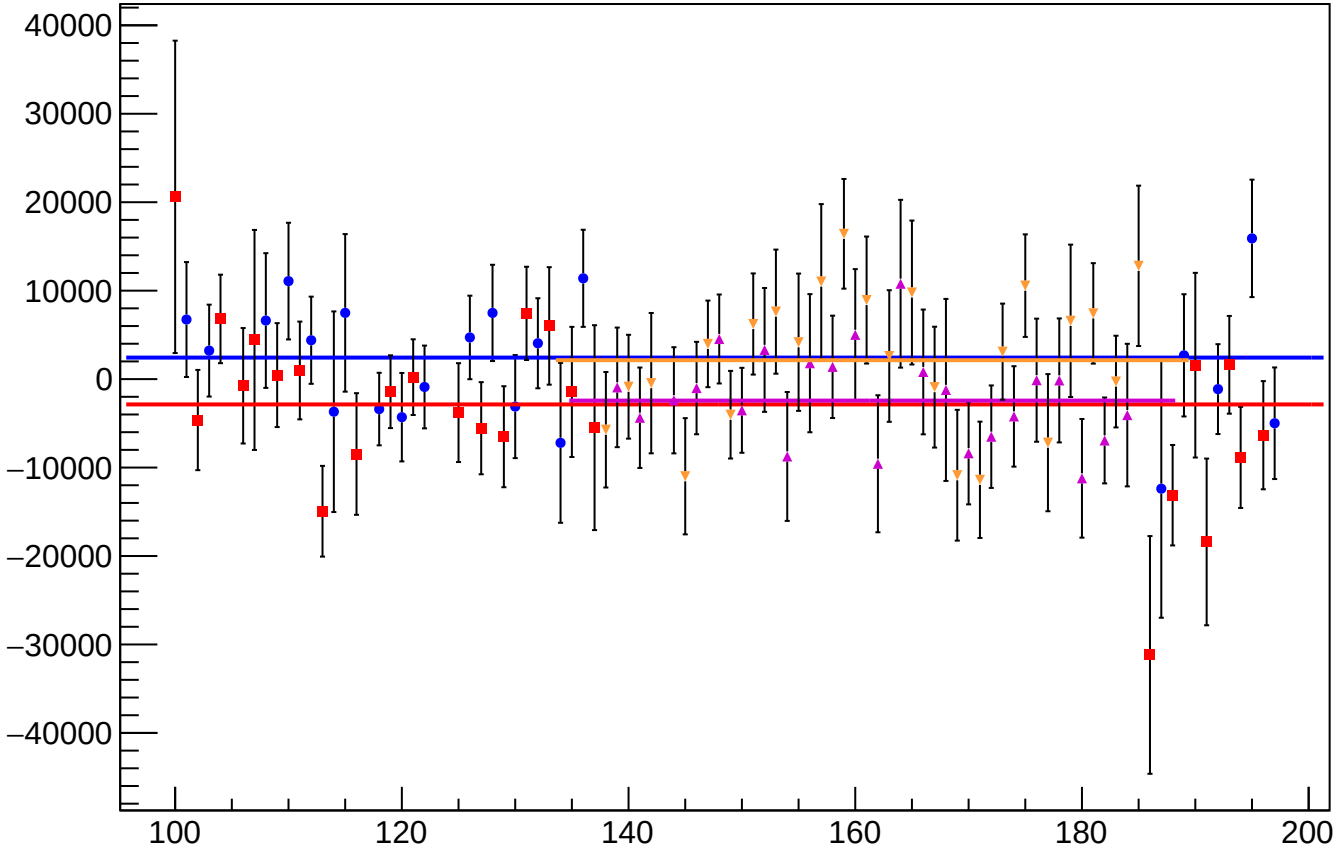
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4571.334+/-0.628 χ^2/NDF: 4874894.1/44

All: 4514.439+/-0.435 χ^2/NDF: 10208813.0/9

- sign 4461.881+/-0.604 χ^2/NDF: 5318144.7/47

asym_usl_atl2_avg_mean vs Slug



Right In: 2433.183+/-1278.282 χ^2/NDF: 20.5/20

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -2862.821+/-1221.665 χ^2/NDF: 32.8/24

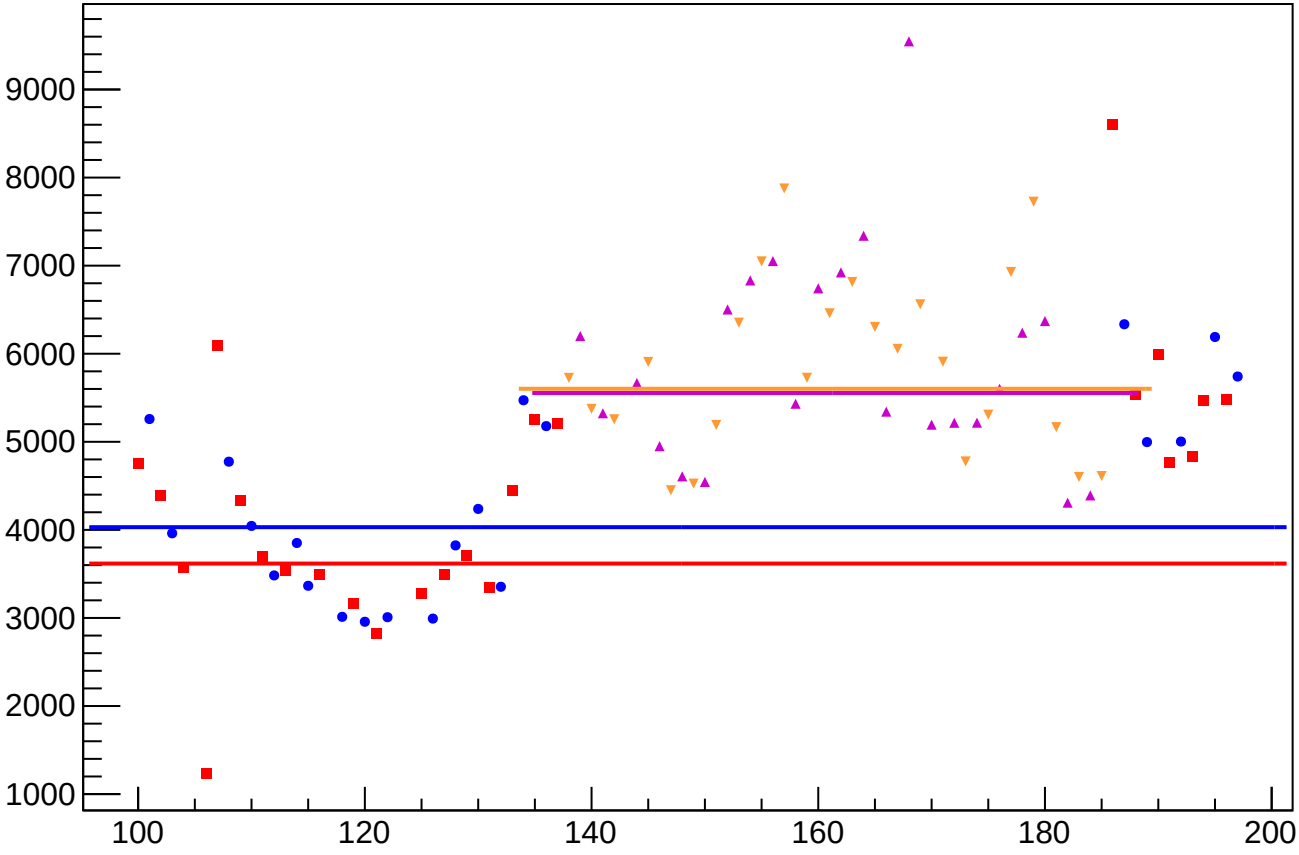
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2290.886+/-919.749 χ^2/NDF: 51.2/44

All: -247.954+/-642.144 χ^2/NDF: 111.8/92

- sign -2662.412+/-896.936 χ^2/NDF: 45.7/47

asym_usl_atl2_avg_rms vs Slug



Right In: 4030.678+/-0.904 χ^2/NDF: 1234805.9/20

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3617.373+/-0.806 χ^2/NDF: 2970725.5/24

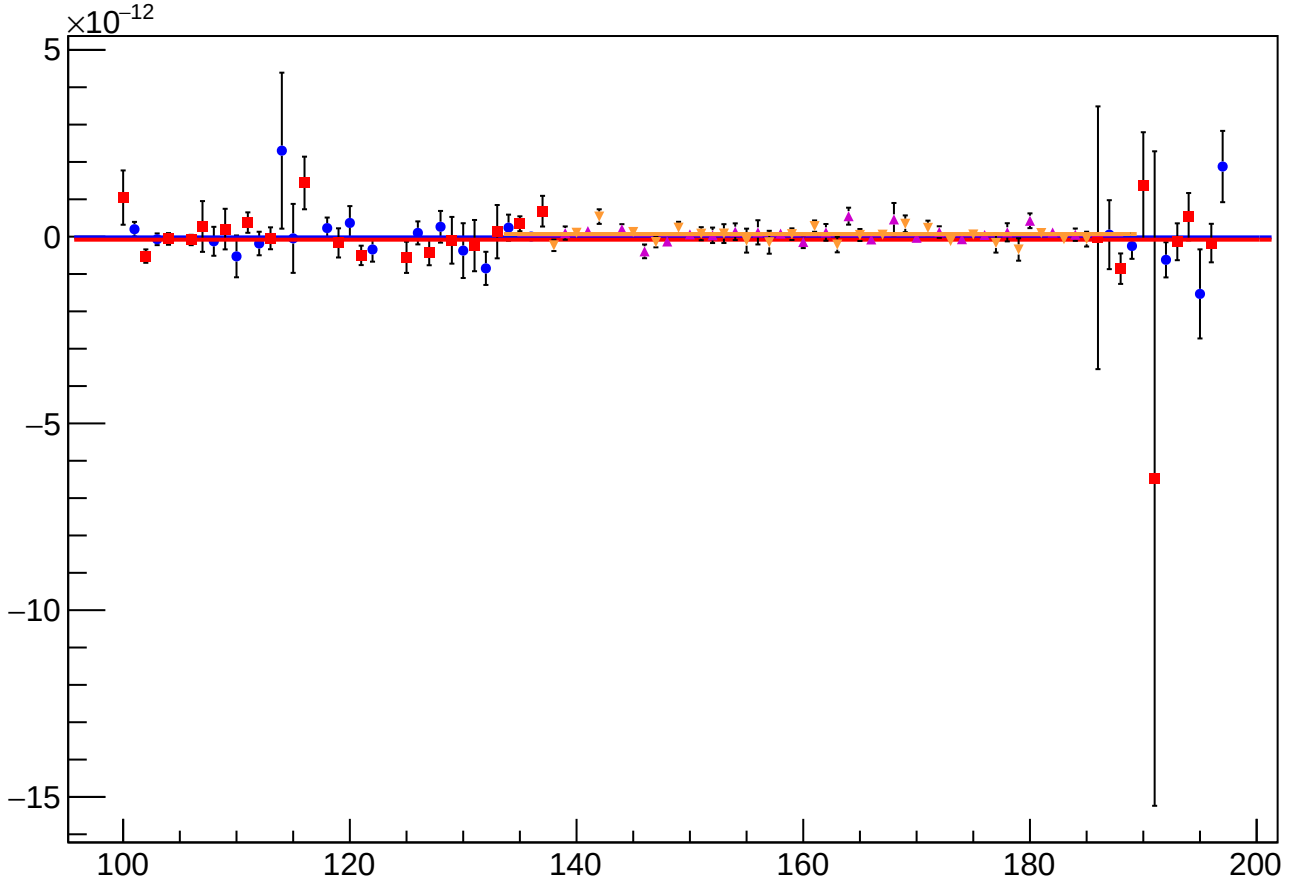
Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4788.639+/-0.650 χ^2/NDF: 3633278.4/44

All: 4604.971+/-0.445 χ^2/NDF: 10331155.6/9

- sign 4443.361+/-0.610 χ^2/NDF: 6547945.0/47

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/24

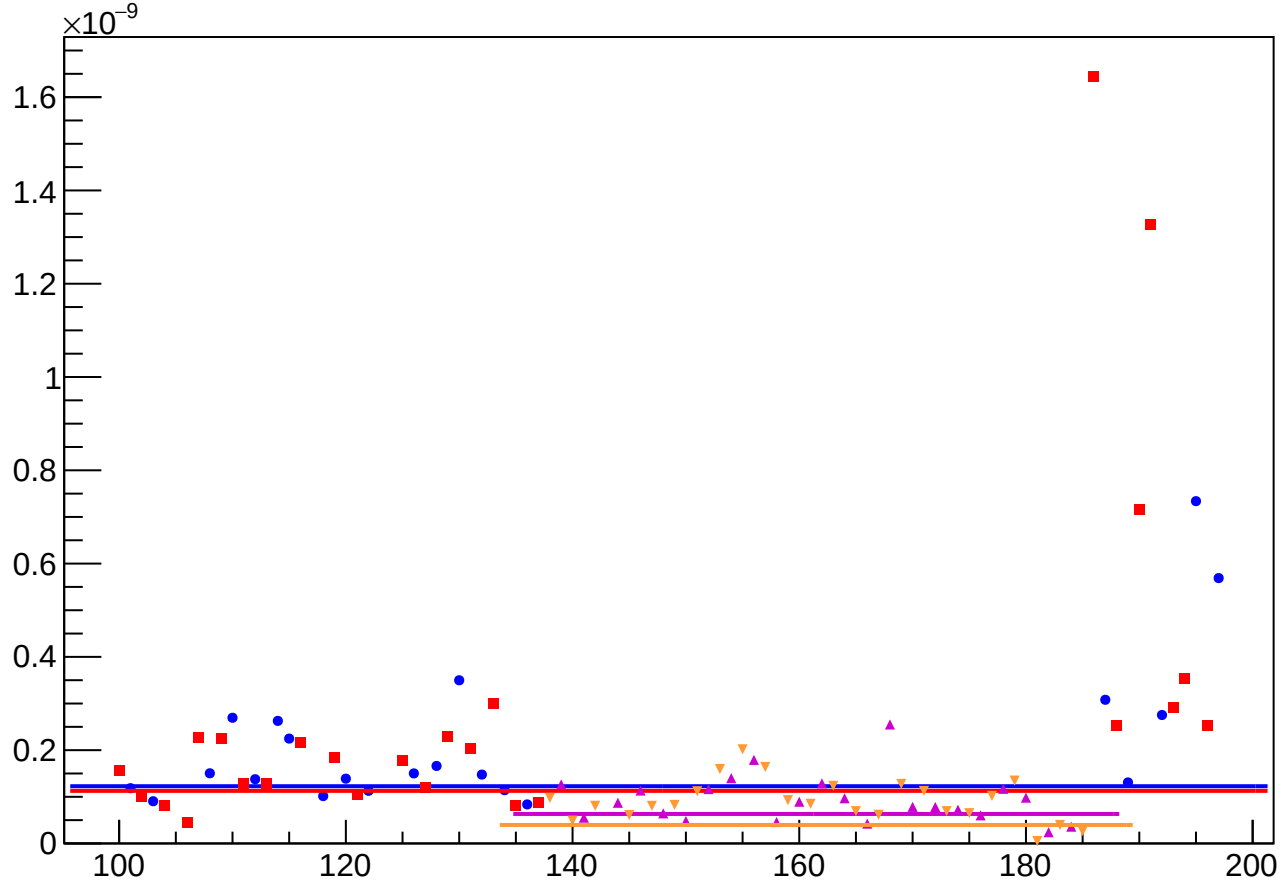
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/44

All: 0.000+/-0.000 χ^2/NDF: 114.3/92

- sign 0.000+/-0.000 χ^2/NDF: 64.9/47

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1945806.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2896372.9/24

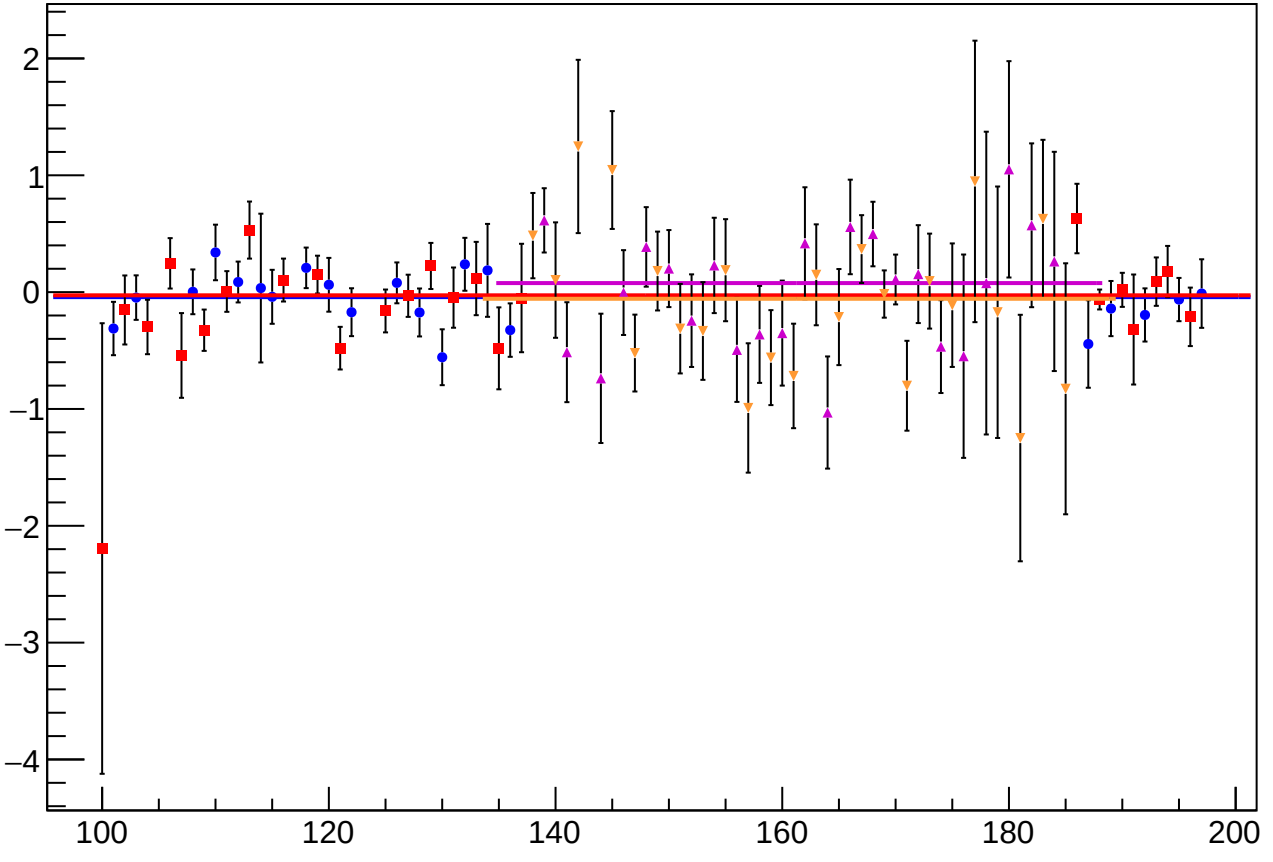
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11614817.2/44

All: 0.000+/-0.000 χ^2/NDF: 19481163.2/92

- sign 0.000+/-0.000 χ^2/NDF: 6839968.1/47

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.043+/-0.048 χ^2/NDF: 18.0/20

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

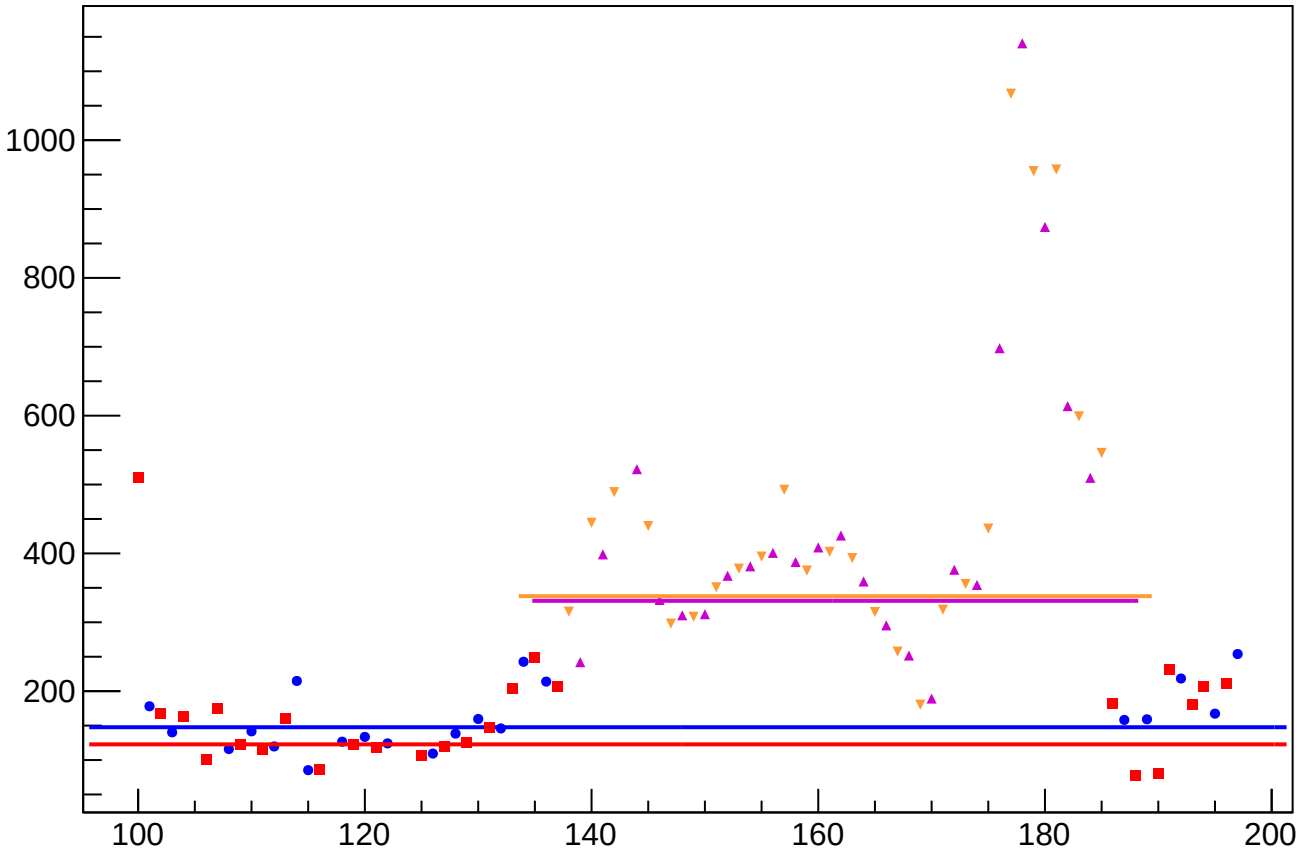
Right Out: -0.027+/-0.040 χ^2/NDF: 33.7/24

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.042 χ^2/NDF: 48.4/44

All: -0.024+/-0.027 χ^2/NDF: 110.9/92

- sign -0.008+/-0.036 χ^2/NDF: 62.0/47



Right In: 147.645+/-0.034 χ^2/NDF: 1247344.9/20

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

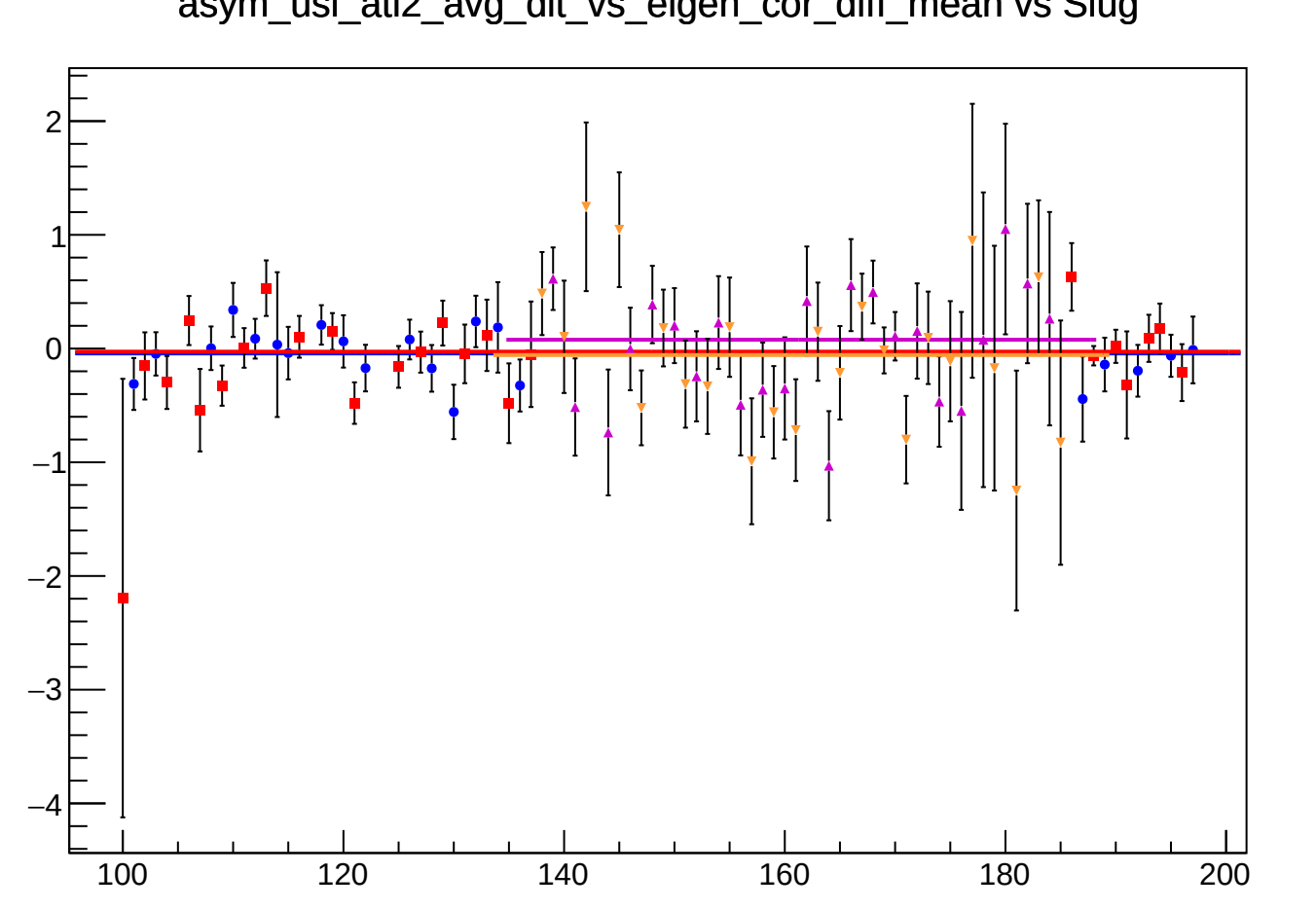
Right Out: 122.750+/-0.028 χ^2/NDF: 2498474.2/24

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 193.973+/-0.030 χ^2/NDF: 13266496.7/44

All: 175.400+/-0.019 χ^2/NDF: 30690628.0/92

- sign 161.787+/-0.026 χ^2/NDF: 16751748.1/47



Right In: -0.043+/-0.048 χ^2/NDF: 18.0/20

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

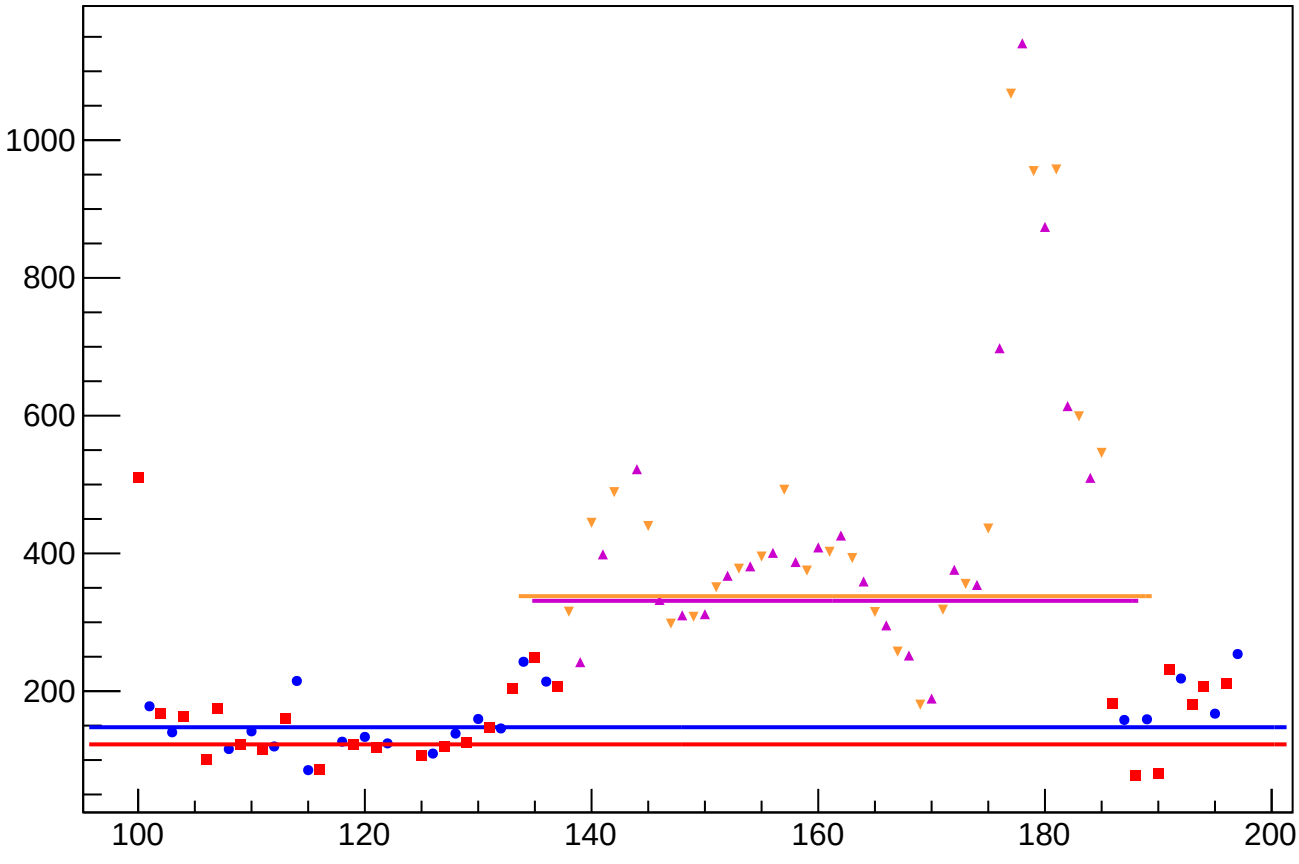
Right Out: -0.027+/-0.040 χ^2/NDF: 33.7/24

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.042 χ^2/NDF: 48.4/44

All: -0.024+/-0.027 χ^2/NDF: 110.9/92

- sign -0.008+/-0.036 χ^2/NDF: 62.0/47



Right In: 147.645+/-0.034 χ^2/NDF: 1247344.9/20

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

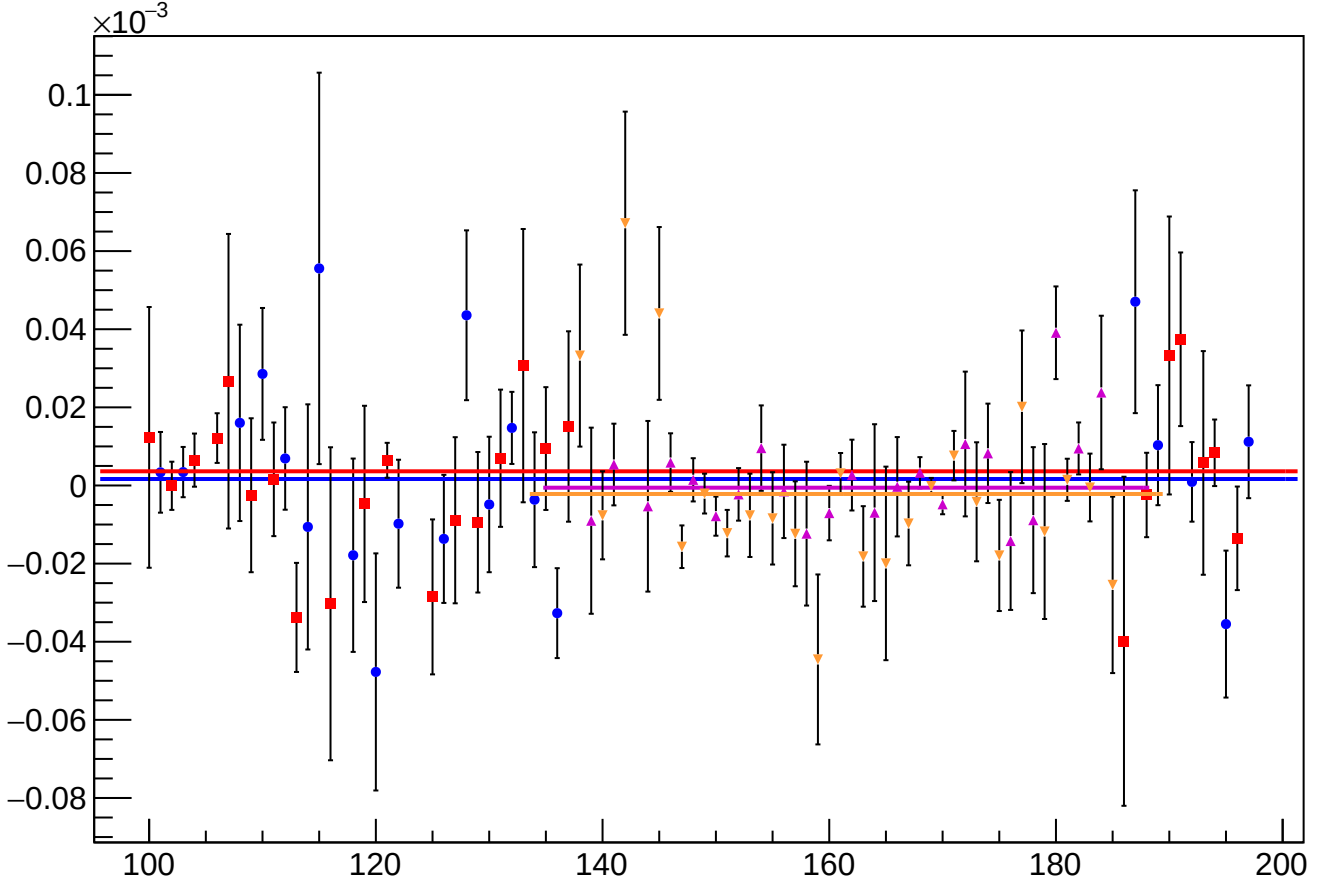
Right Out: 122.750+/-0.028 χ^2/NDF: 2498474.2/24

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 193.973+/-0.030 χ^2/NDF: 13266496.7/44

All: 175.400+/-0.019 χ^2/NDF: 30690628.0/92

- sign 161.787+/-0.026 χ^2/NDF: 16751748.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 31.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

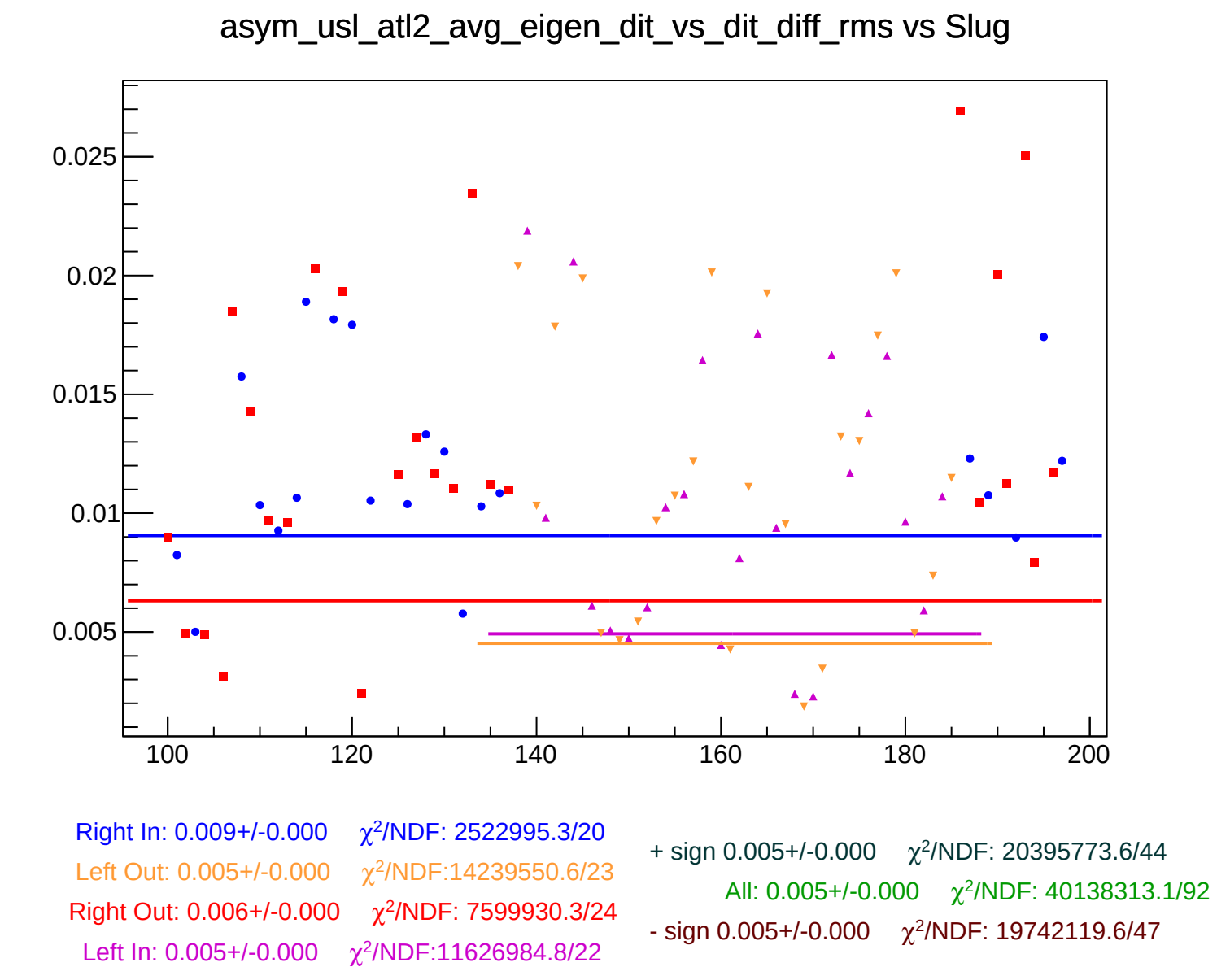
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/24

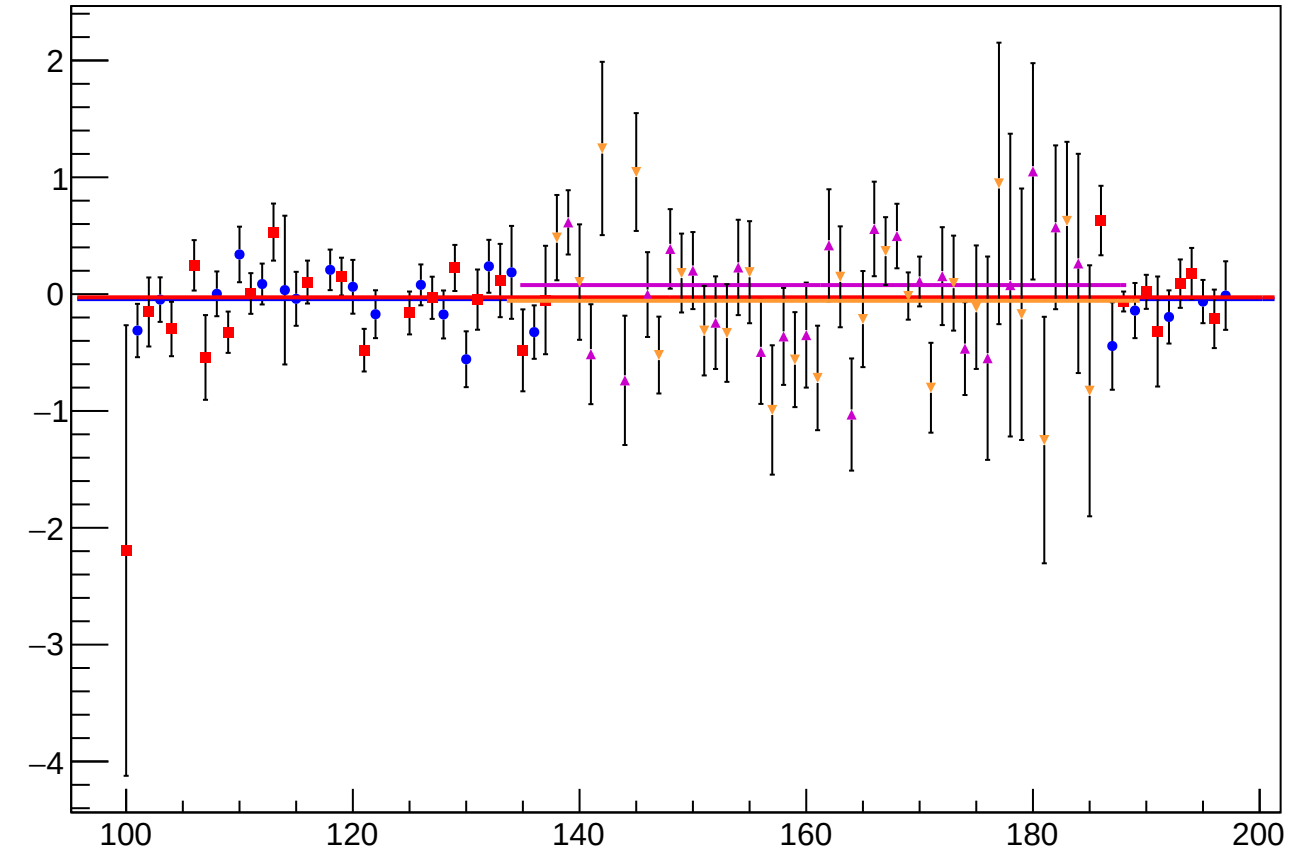
Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.3/44

All: -0.000+/-0.000 χ^2/NDF: 122.6/92

- sign 0.000+/-0.000 χ^2/NDF: 50.7/47


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 2522995.3/20
Left Out: 0.005+/-0.000 χ²/NDF:14239550.6/23
Right Out: 0.006+/-0.000 χ²/NDF: 7599930.3/24
Left In: 0.005+/-0.000 χ²/NDF:11626984.8/22
+ sign 0.005+/-0.000 χ²/NDF: 20395773.6/44
All: 0.005+/-0.000 χ²/NDF: 40138313.1/92
- sign 0.005+/-0.000 χ²/NDF: 19742119.6/47



Right In: -0.043+/-0.048 χ^2/NDF: 18.0/20

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

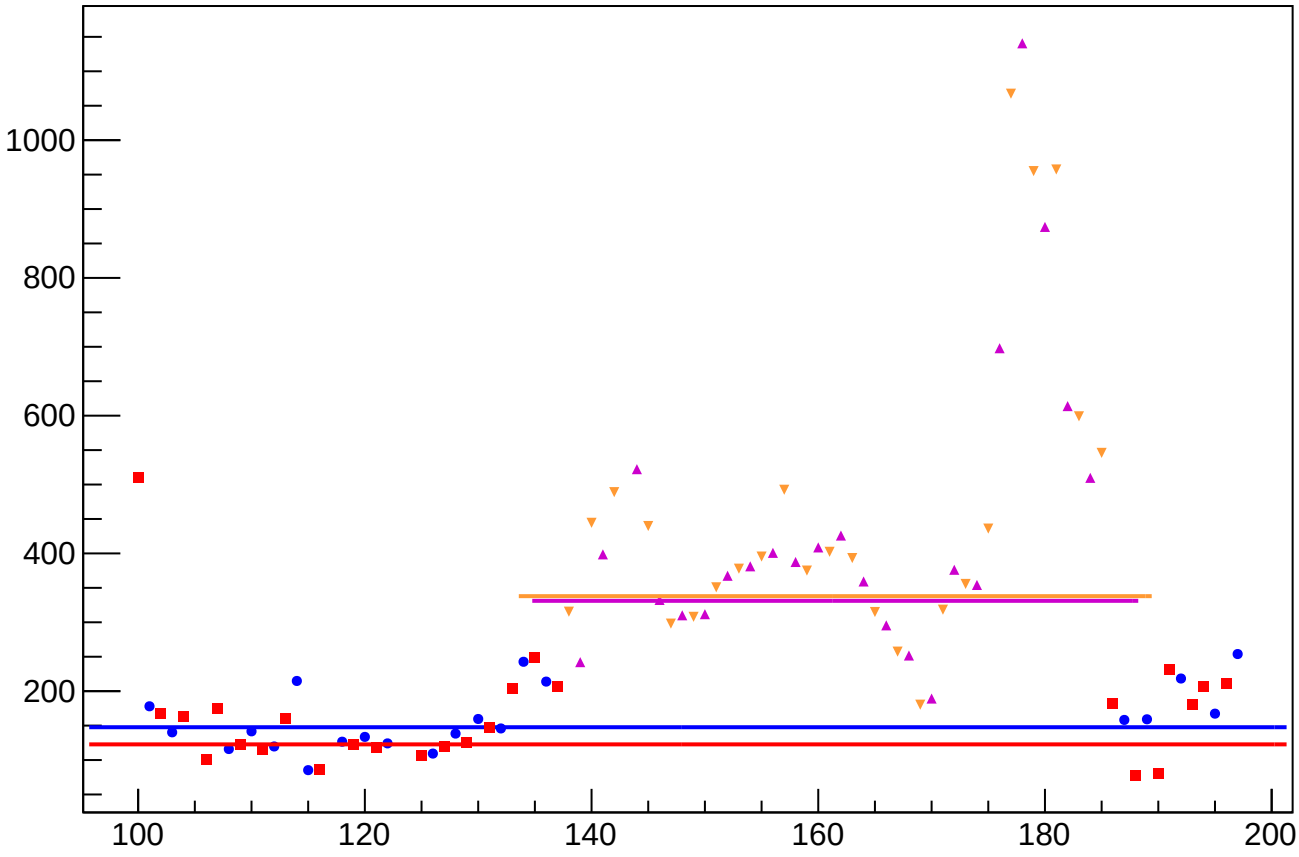
Right Out: -0.027+/-0.040 χ^2/NDF: 33.7/24

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.042 χ^2/NDF: 48.4/44

All: -0.024+/-0.027 χ^2/NDF: 110.9/92

- sign -0.008+/-0.036 χ^2/NDF: 62.0/47



Right In: 147.645+/-0.034 χ^2/NDF: 1247313.0/20

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

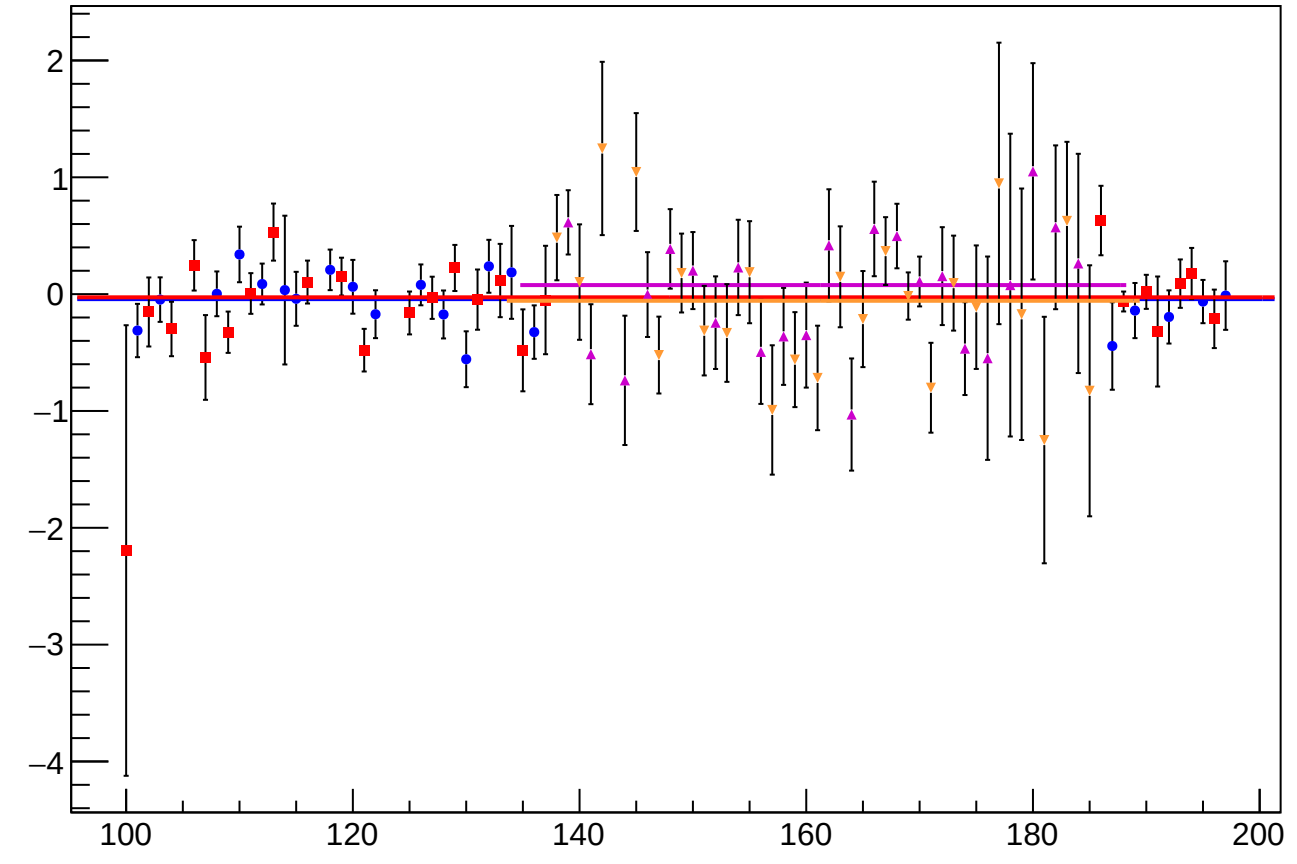
Right Out: 122.748+/-0.028 χ^2/NDF: 2498563.3/24

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 193.973+/-0.030 χ^2/NDF: 13266605.3/44

All: 175.399+/-0.019 χ^2/NDF: 30691288.0/92

- sign 161.785+/-0.026 χ^2/NDF: 16752199.0/47



Right In: -0.043+/-0.048 χ^2/NDF: 18.0/20

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

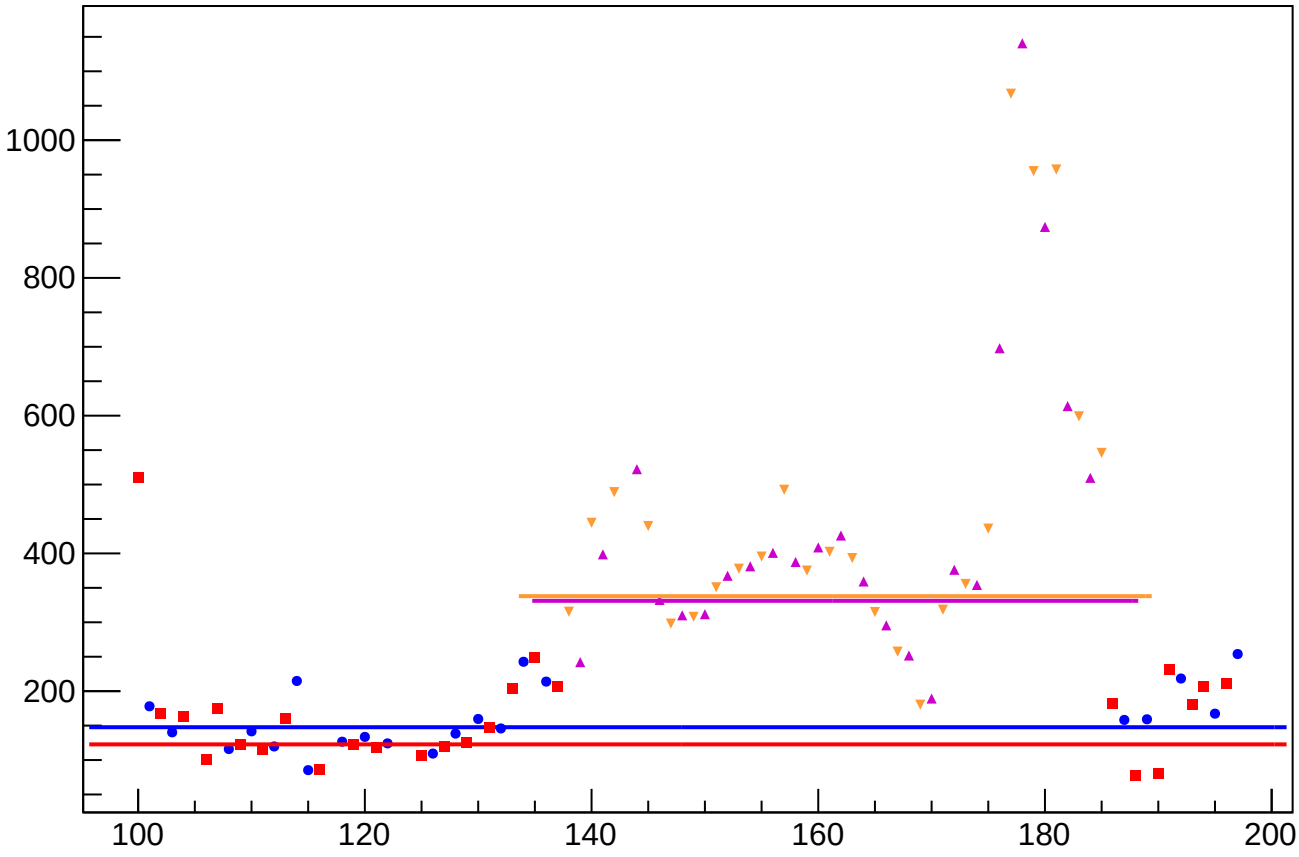
Right Out: -0.027+/-0.040 χ^2/NDF: 33.7/24

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.042 χ^2/NDF: 48.4/44

All: -0.024+/-0.027 χ^2/NDF: 110.9/92

- sign -0.008+/-0.036 χ^2/NDF: 62.0/47



Right In: 147.645+/-0.034 χ^2/NDF: 1247313.0/20

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

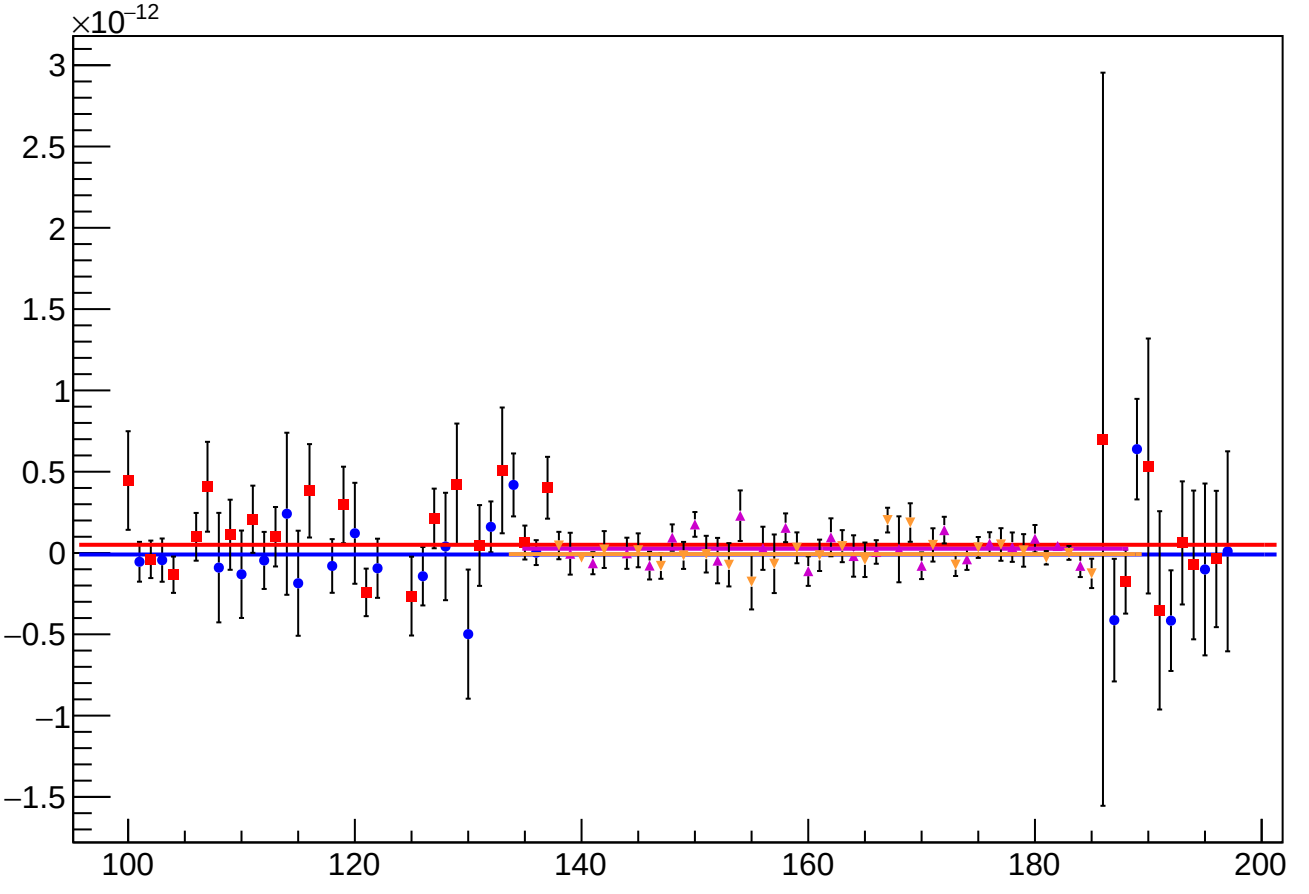
Right Out: 122.748+/-0.028 χ^2/NDF: 2498563.3/24

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 193.973+/-0.030 χ^2/NDF: 13266605.3/44

All: 175.399+/-0.019 χ^2/NDF: 30691288.0/92

- sign 161.785+/-0.026 χ^2/NDF: 16752199.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

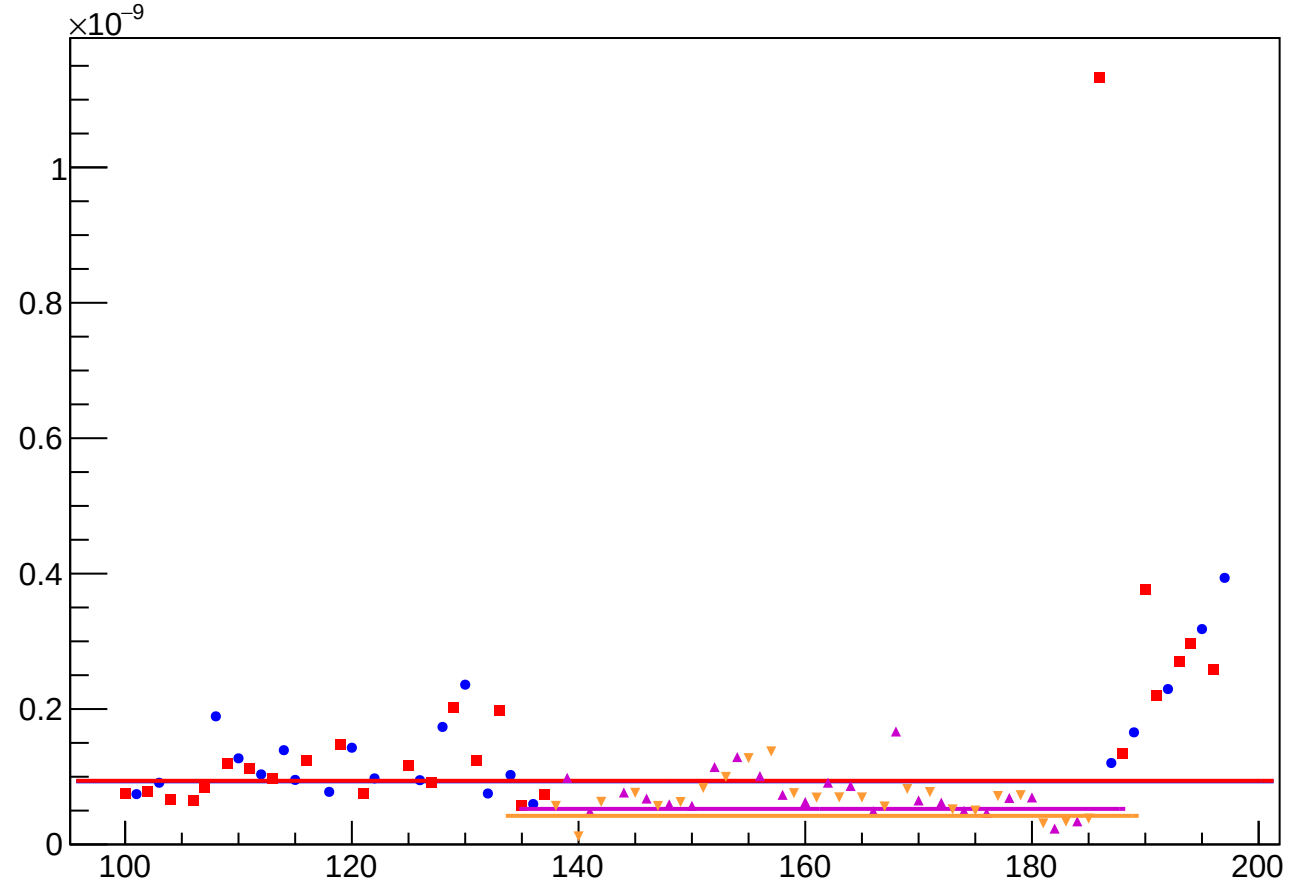
Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/24

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/44

All: 0.000+/-0.000 χ^2/NDF: 86.3/92

- sign 0.000+/-0.000 χ^2/NDF: 47.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 2476018.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3062813.8/24

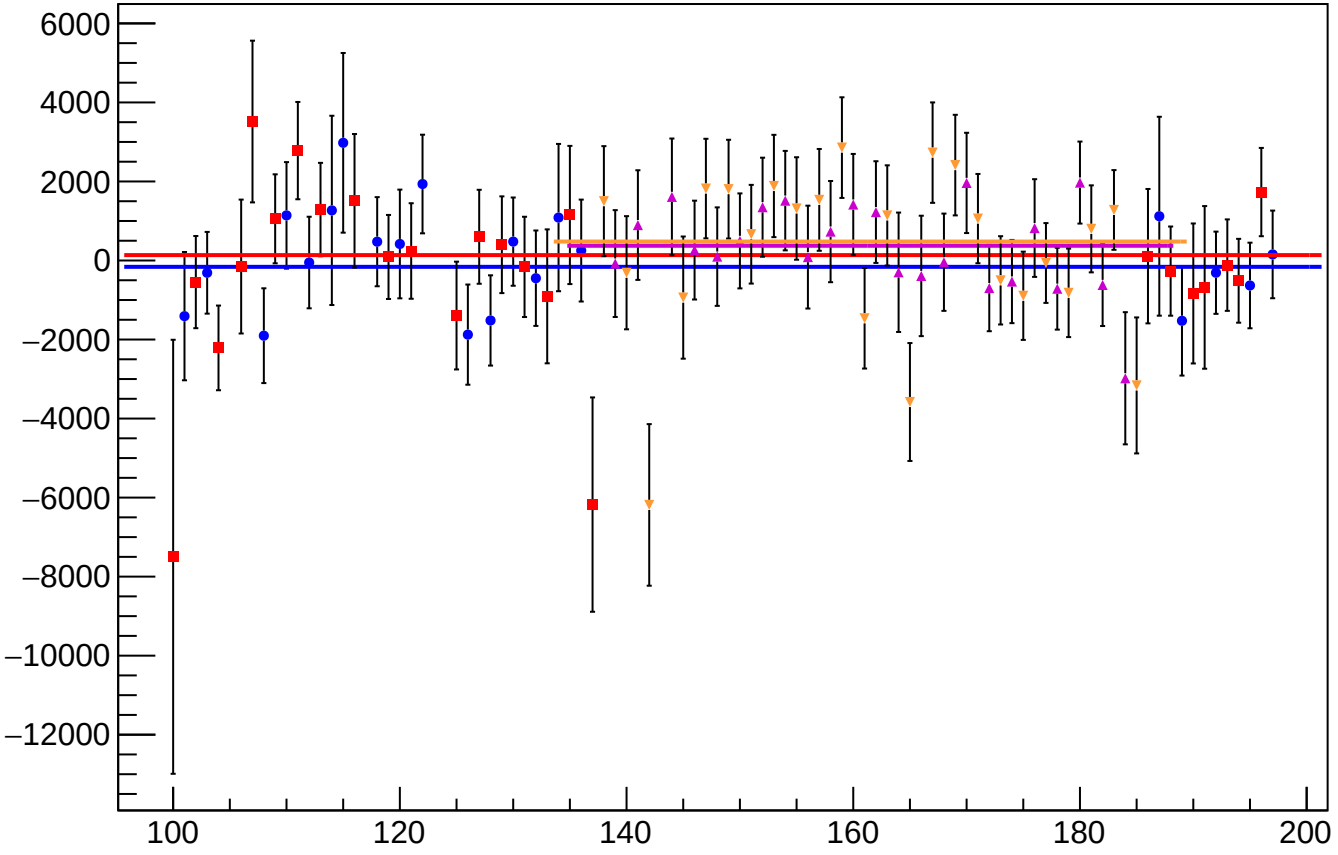
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11881695.1/44

All: 0.000+/-0.000 χ^2/NDF: 22229232.0/92

- sign 0.000+/-0.000 χ^2/NDF: 9803657.7/47

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -160.345+/-281.004 χ^2/NDF: 14.9/20

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 136.426+/-269.417 χ^2/NDF: 27.4/24

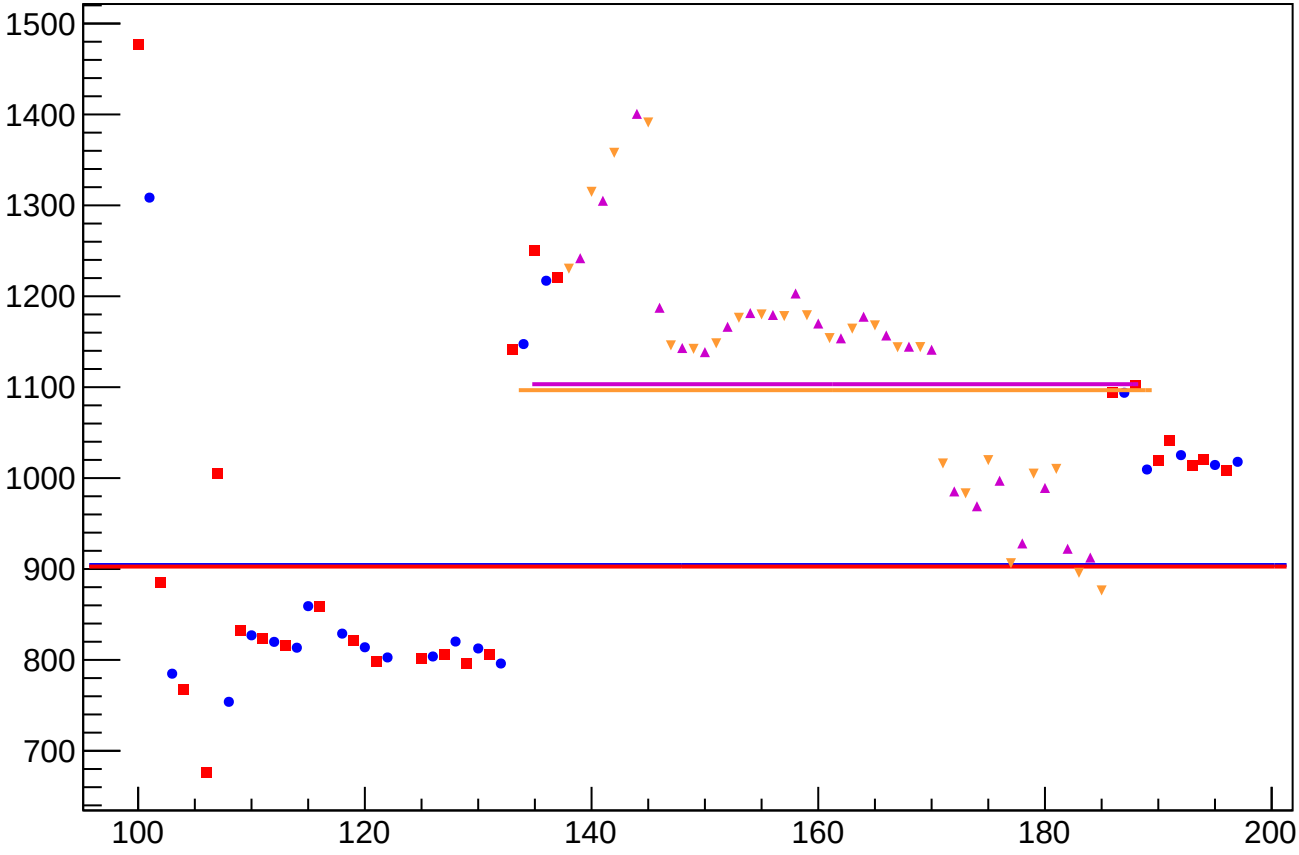
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 188.927+/-189.376 χ^2/NDF: 62.9/44

All: 224.535+/-133.001 χ^2/NDF: 106.9/92

- sign 259.193+/-186.832 χ^2/NDF: 43.9/47

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 904.363+/-0.199 χ^2/NDF: 530087.2/20

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 902.681+/-0.189 χ^2/NDF: 538848.6/24

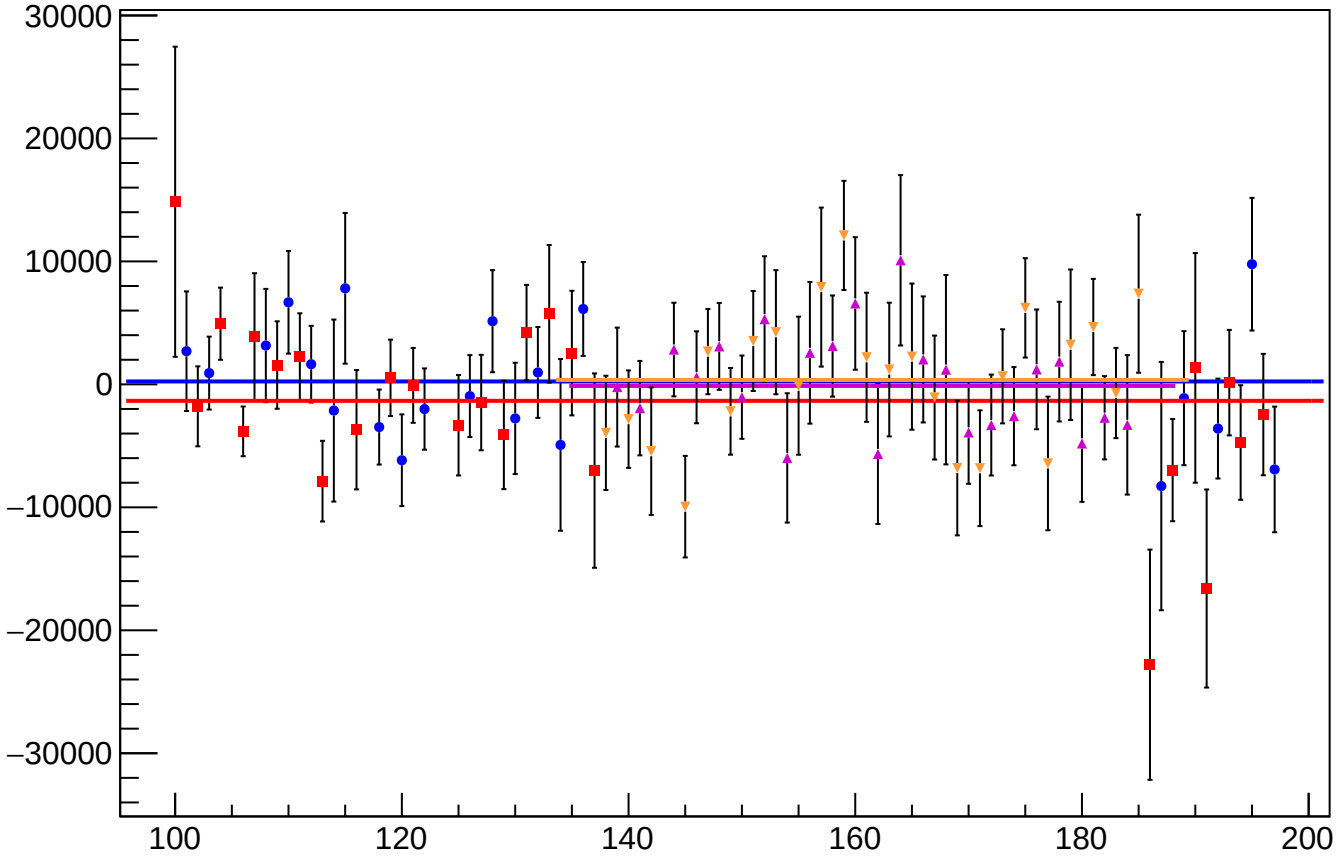
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1009.351+/-0.134 χ^2/NDF: 1522073.7/44

All: 1007.613+/-0.094 χ^2/NDF: 3089586.9/92

- sign 1005.936+/-0.132 χ^2/NDF: 1567182.2/47

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 237.652+/-907.114 χ^2/NDF: 21.5/20

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1337.573+/-797.004 χ^2/NDF: 32.0/24

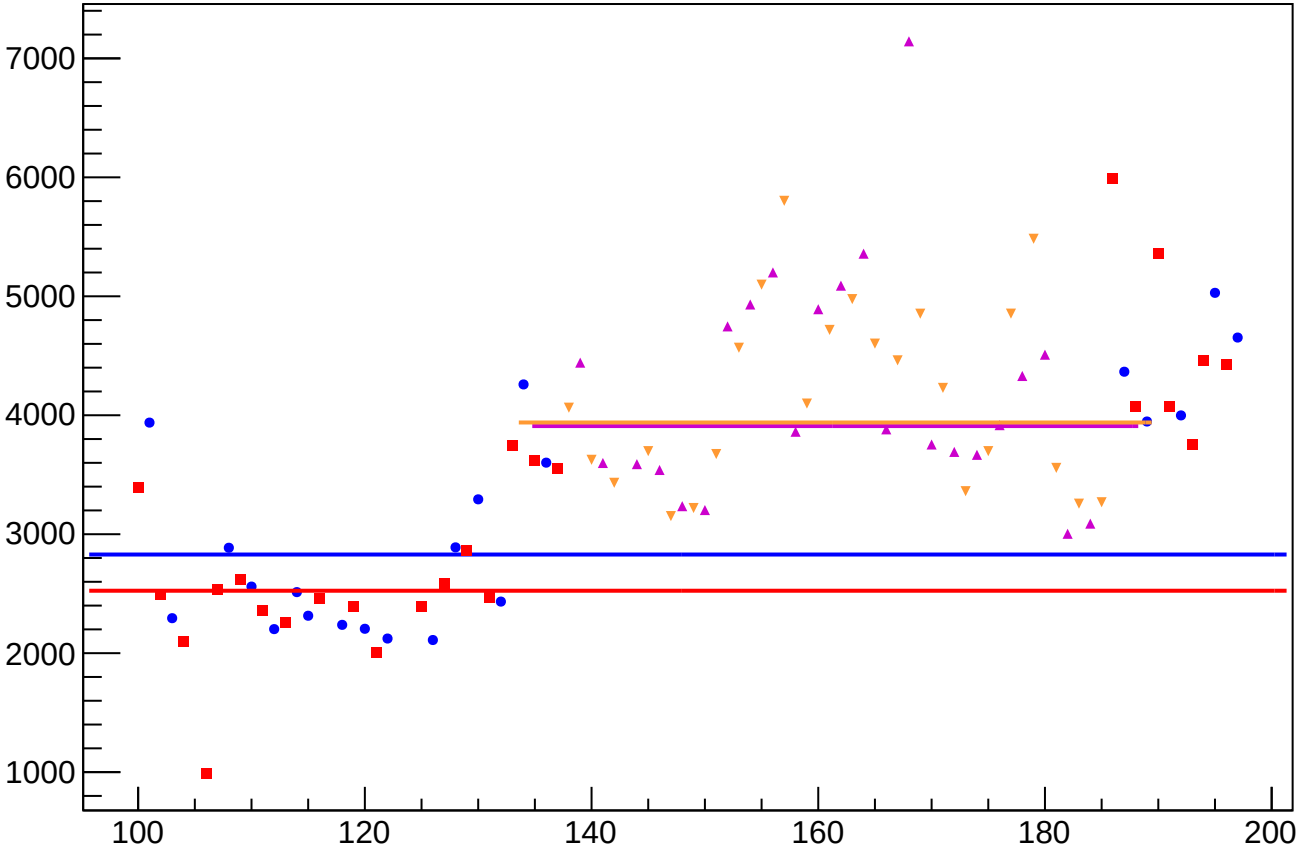
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 295.923+/-650.798 χ^2/NDF: 51.8/44

All: -305.343+/-443.461 χ^2/NDF: 100.1/92

- sign -826.513+/-605.902 χ^2/NDF: 46.8/47

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2829.254+/-0.641 χ^2/NDF: 1685774.6/20

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2524.892+/-0.564 χ^2/NDF: 3140121.8/24

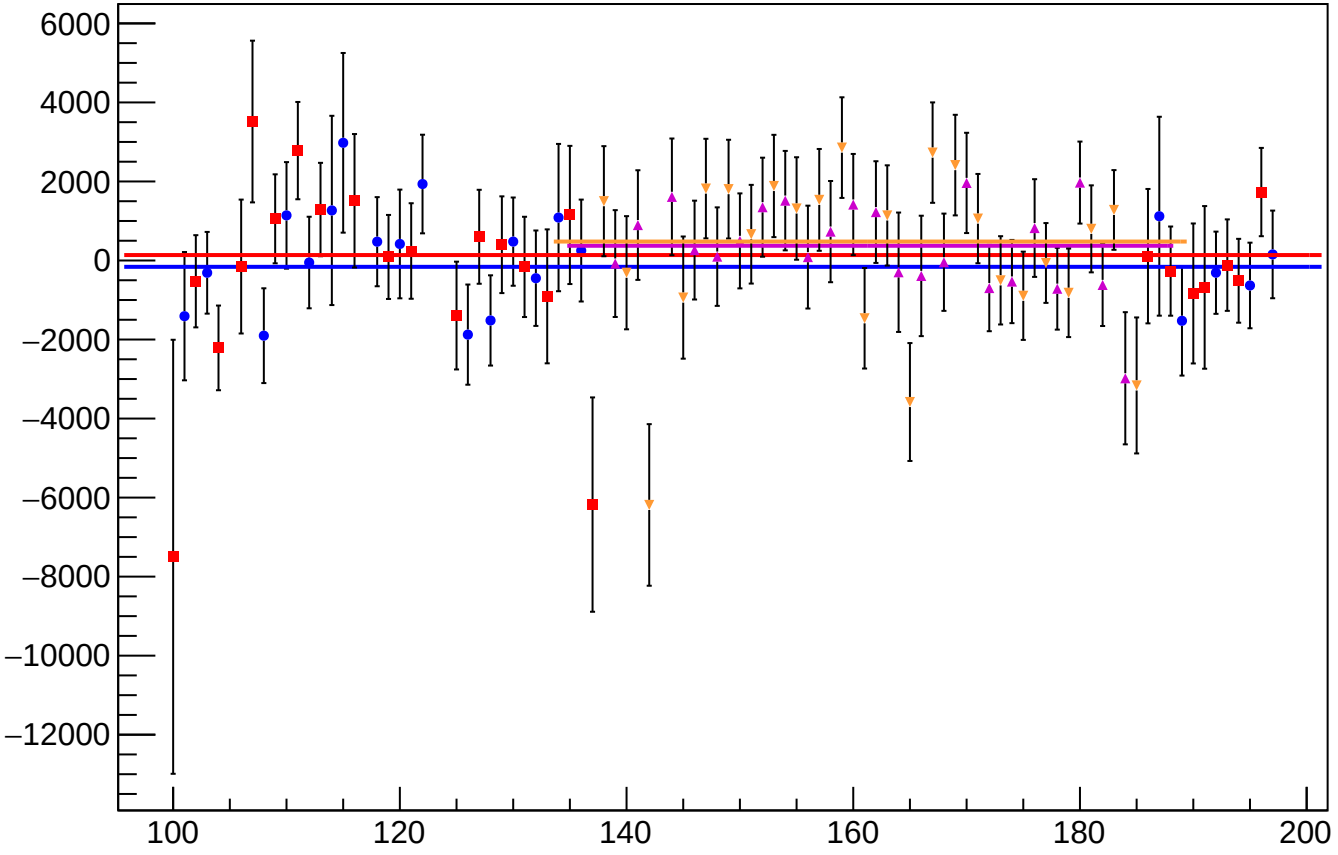
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3367.921+/-0.460 χ^2/NDF: 4231729.4/44

All: 3229.288+/-0.314 χ^2/NDF: 11388317.7/9

- sign 3109.122+/-0.428 χ^2/NDF: 6987167.1/47

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -160.399+/-281.004 χ^2/NDF: 14.9/20

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 137.574+/-269.420 χ^2/NDF: 27.4/24

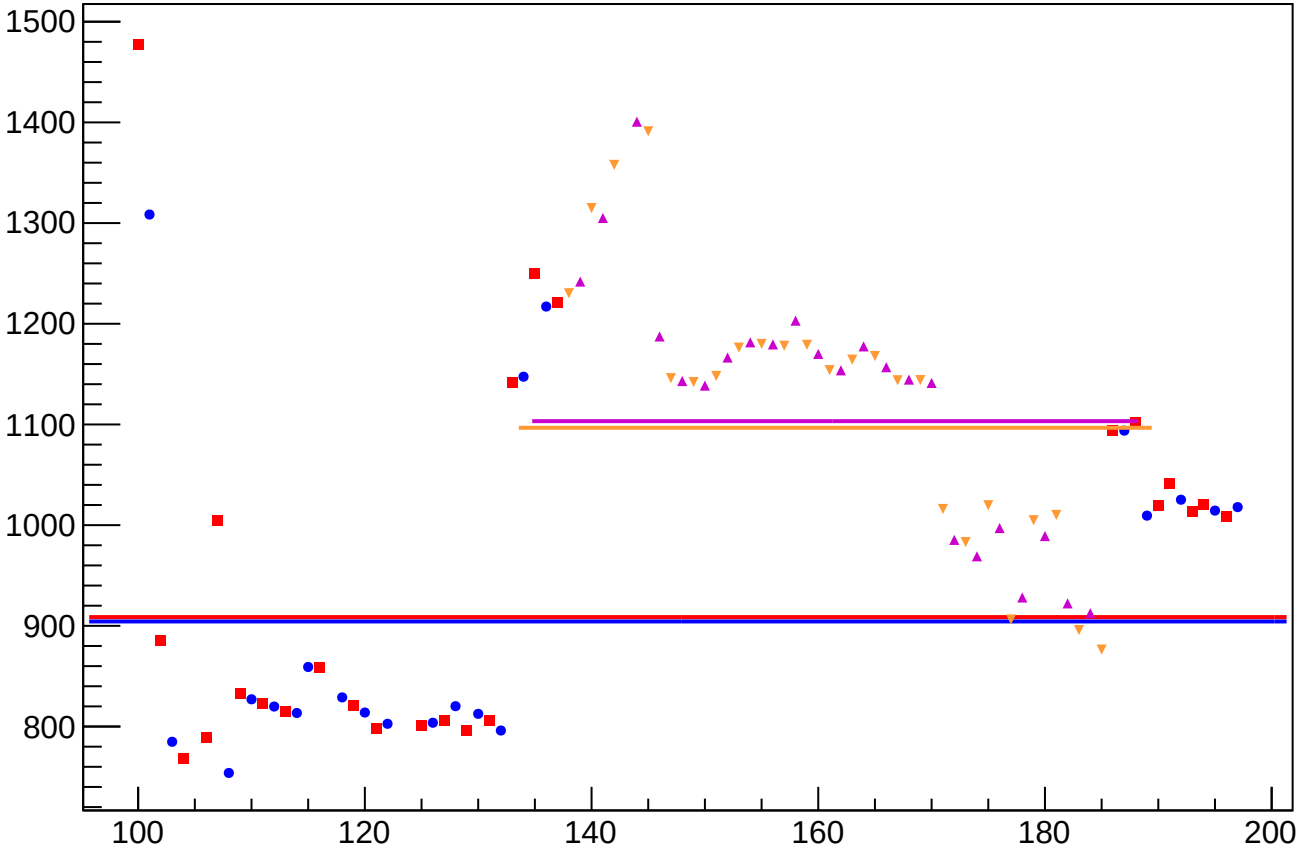
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 188.918+/-189.376 χ^2/NDF: 62.9/44

All: 224.804+/-133.001 χ^2/NDF: 106.9/92

- sign 259.734+/-186.833 χ^2/NDF: 43.9/47

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 904.363+/-0.199 χ^2/NDF: 530087.0/20

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 908.689+/-0.190 χ^2/NDF: 488476.5/24

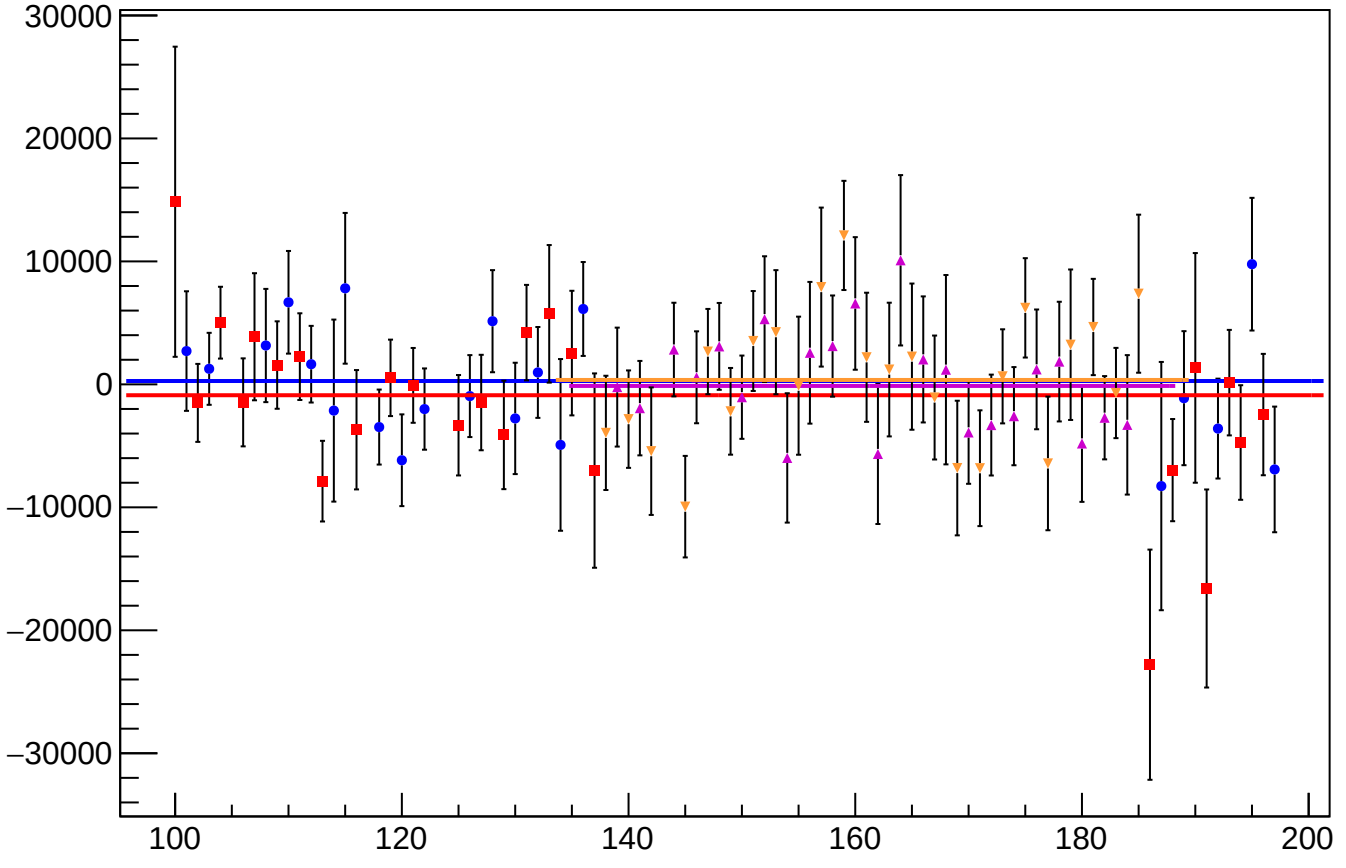
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1009.351+/-0.134 χ^2/NDF: 1522073.8/44

All: 1009.350+/-0.094 χ^2/NDF: 3001729.2/92

- sign 1009.350+/-0.132 χ^2/NDF: 1479655.4/47

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 273.000+/-905.981 χ^2/NDF: 21.6/20

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -883.710+/-841.037 χ^2/NDF: 30.4/24

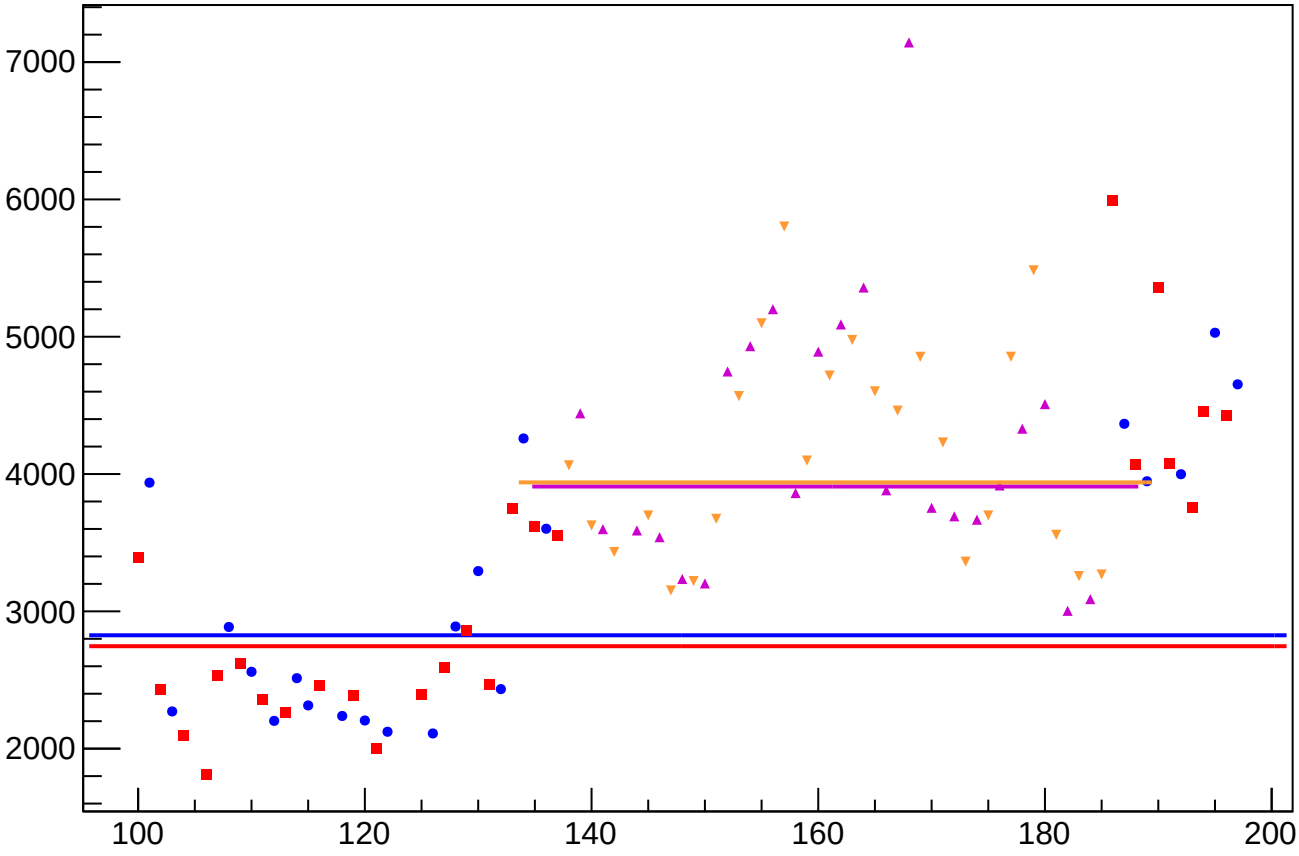
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 314.064+/-650.380 χ^2/NDF: 51.8/44

All: -132.409+/-450.492 χ^2/NDF: 97.3/92

- sign -544.170+/-624.586 χ^2/NDF: 44.5/47

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2825.699+/-0.641 χ^2/NDF: 1693244.1/20

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2746.146+/-0.595 χ^2/NDF: 1928014.4/24

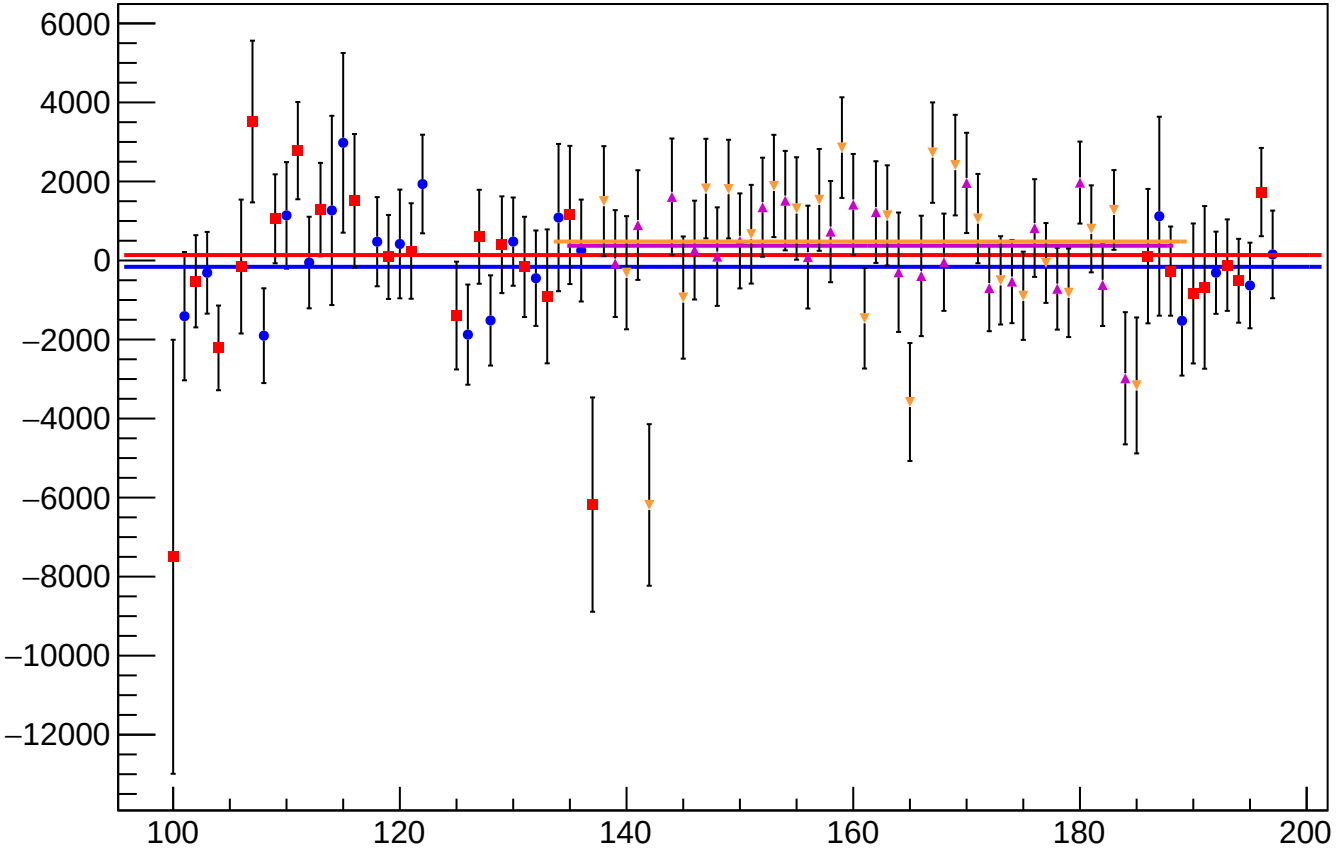
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

\+ sign 3365.397+/-0.460 χ^2/NDF: 4250300.8/44

All: 3314.589+/-0.319 χ^2/NDF: 9217693.1/92

\- sign 3267.731+/-0.442 χ^2/NDF: 4943929.7/47

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -160.399+/-281.004 χ^2/NDF: 14.9/20

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 137.574+/-269.420 χ^2/NDF: 27.4/24

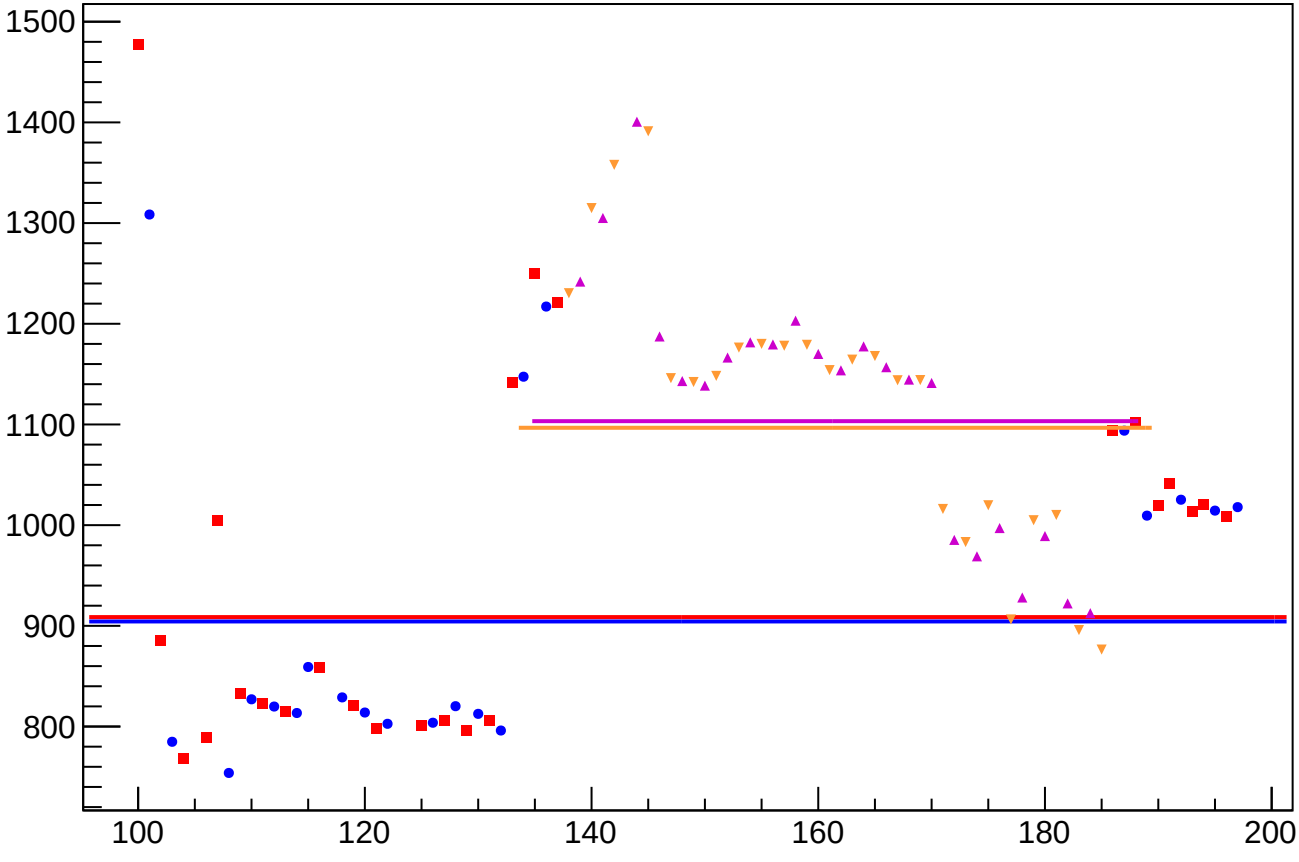
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 188.918+/-189.376 χ^2/NDF: 62.9/44

All: 224.804+/-133.001 χ^2/NDF: 106.9/92

- sign 259.734+/-186.833 χ^2/NDF: 43.9/47

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 904.363+/-0.199 χ^2/NDF: 530087.0/20

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

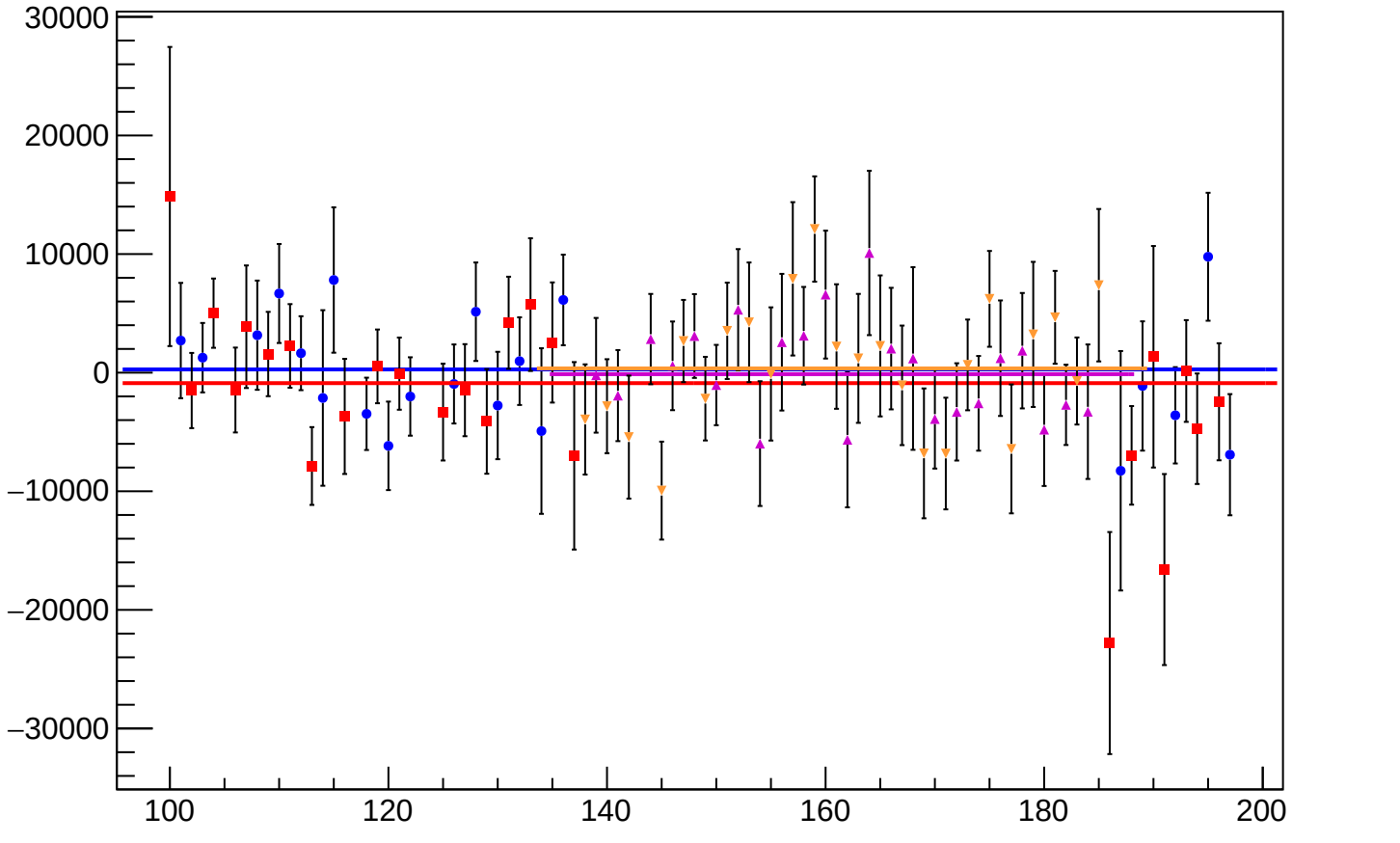
Right Out: 908.689+/-0.190 χ^2/NDF: 488476.5/24

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1009.351+/-0.134 χ^2/NDF: 1522073.8/44

All: 1009.350+/-0.094 χ^2/NDF: 3001729.2/92

- sign 1009.350+/-0.132 χ^2/NDF: 1479655.4/47



Right In: 273.000+/-905.981 χ^2/NDF: 21.6/20

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

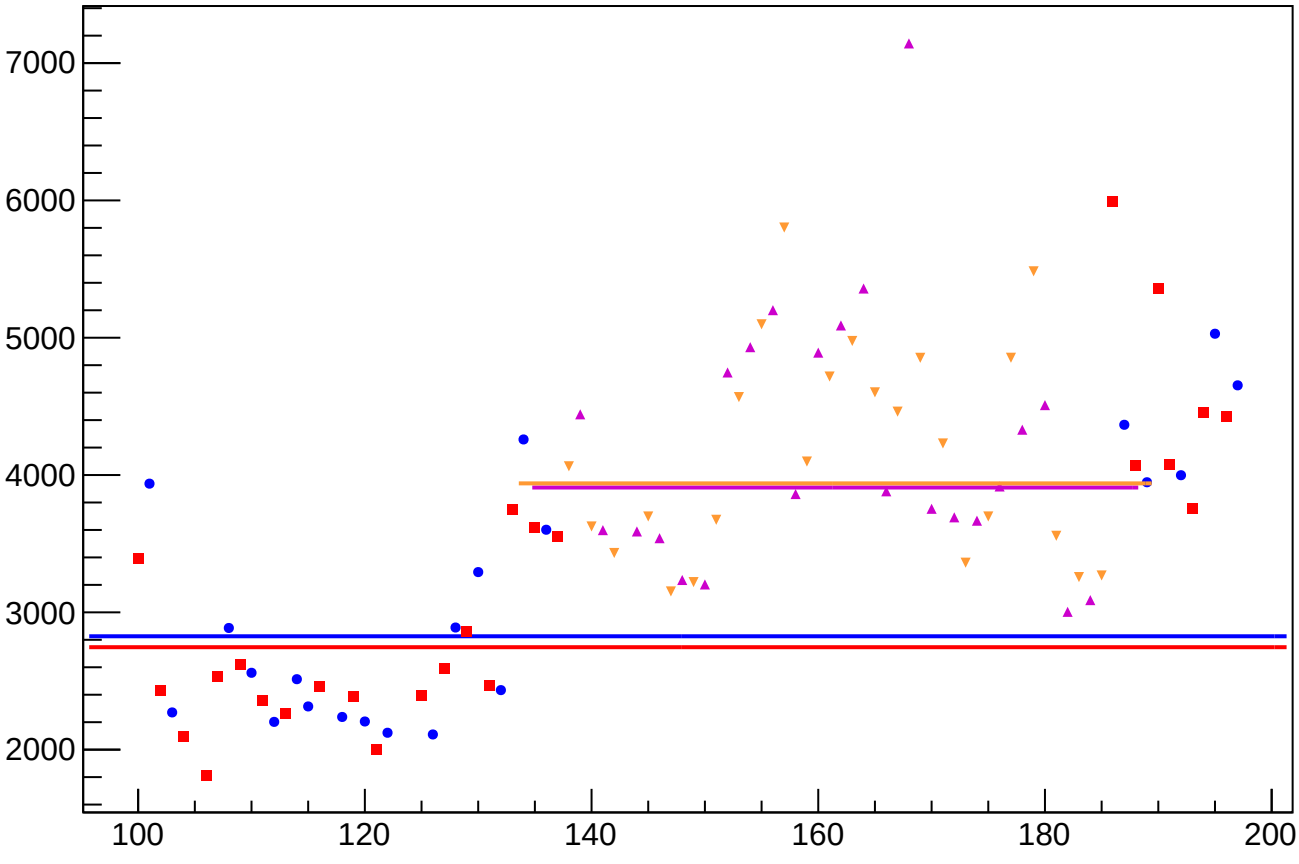
Right Out: -883.710+/-841.037 χ^2/NDF: 30.4/24

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 314.064+/-650.380 χ^2/NDF: 51.8/44

All: -132.409+/-450.492 χ^2/NDF: 97.3/92

- sign -544.170+/-624.586 χ^2/NDF: 44.5/47



Right In: 2825.699+/-0.641 χ^2/NDF: 1693244.1/20

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2746.146+/-0.595 χ^2/NDF: 1928014.4/24

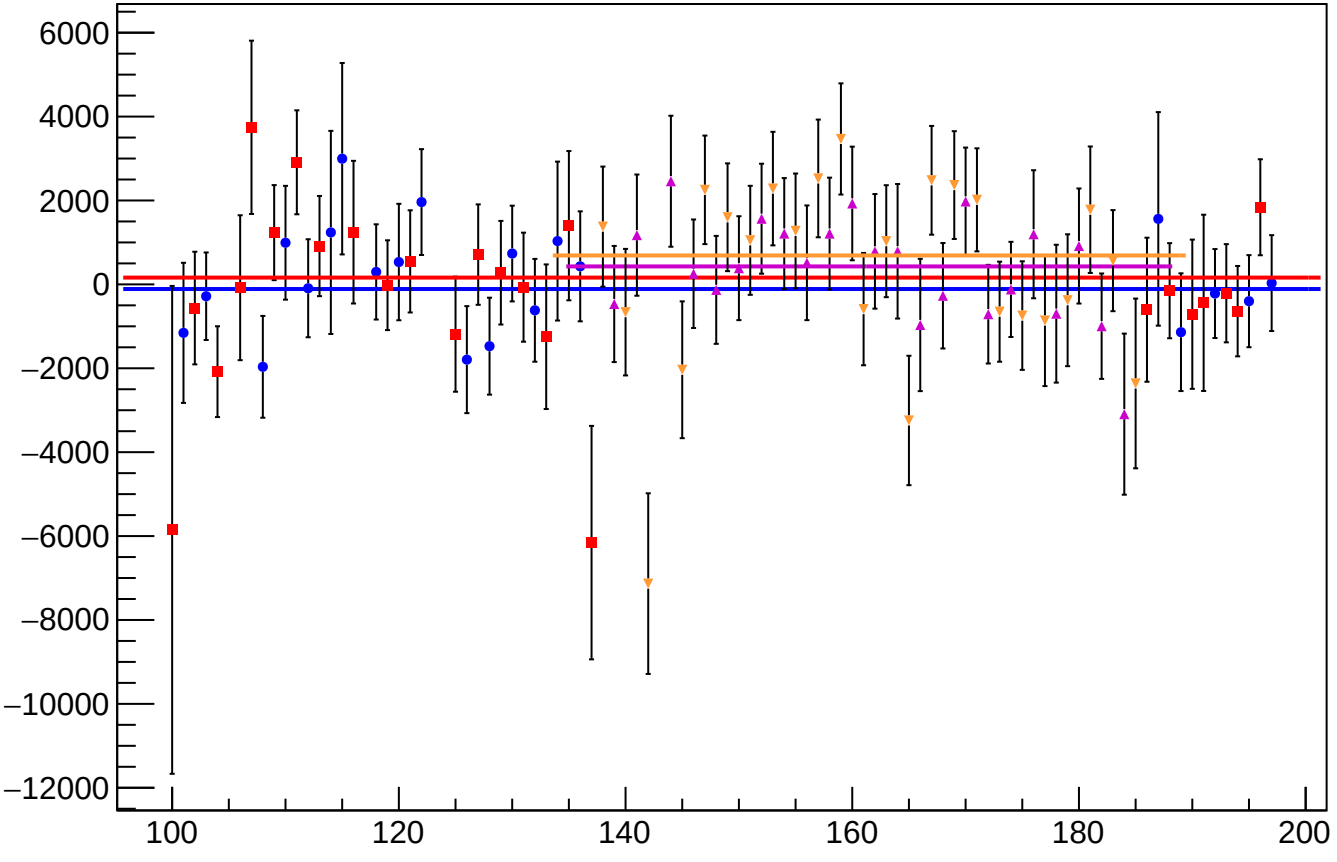
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

\+ sign 3365.397+/-0.460 χ^2/NDF: 4250300.8/44

All: 3314.589+/-0.319 χ^2/NDF: 9217693.1/92

\- sign 3267.731+/-0.442 χ^2/NDF: 4943929.7/47

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -110.827+/-284.847 χ^2/NDF: 14.1/20

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 161.835+/-274.136 χ^2/NDF: 26.4/24

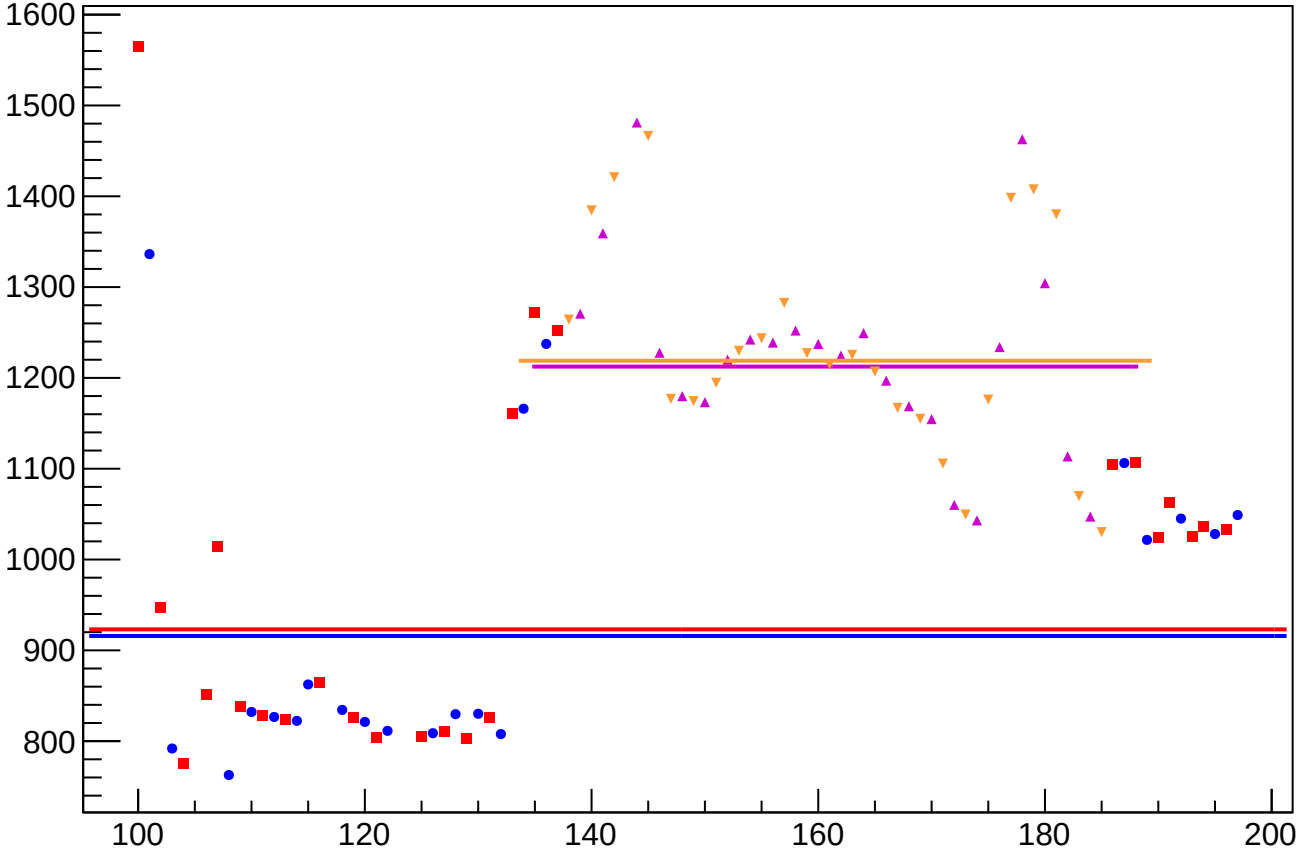
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 289.774+/-201.255 χ^2/NDF: 63.8/44

All: 289.921+/-140.914 χ^2/NDF: 105.2/92

- sign 290.061+/-197.366 χ^2/NDF: 41.4/47

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 915.813+/-0.201 χ^2/NDF: 551140.8/20

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 923.095+/-0.194 χ^2/NDF: 495520.7/24

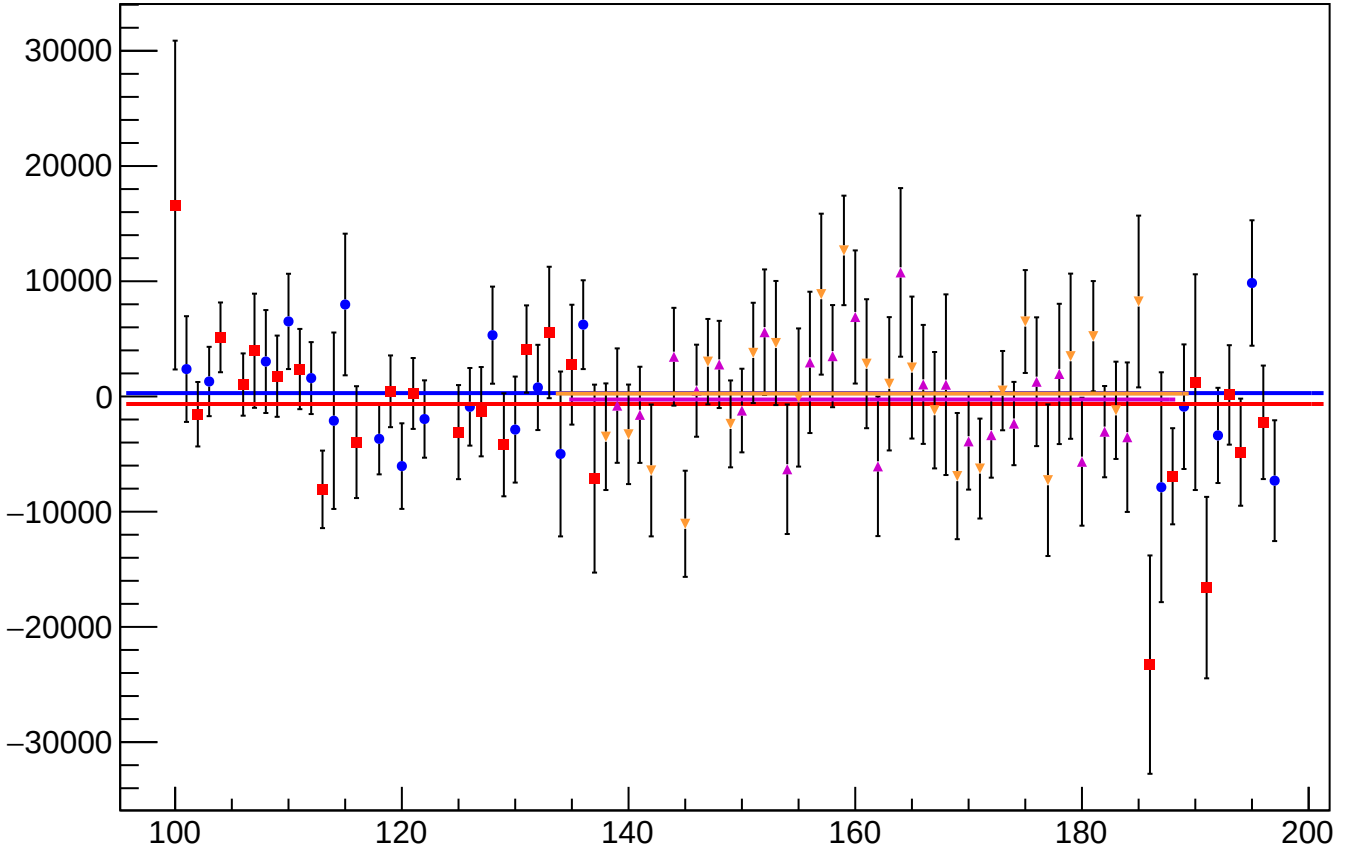
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1067.615+/-0.142 χ^2/NDF: 1979222.9/44

All: 1064.937+/-0.100 χ^2/NDF: 3809700.4/92

- sign 1062.364+/-0.140 χ^2/NDF: 1829783.4/47

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 292.320+/-911.392 χ^2/NDF: 21.5/20

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -653.155+/-819.735 χ^2/NDF: 31.1/24

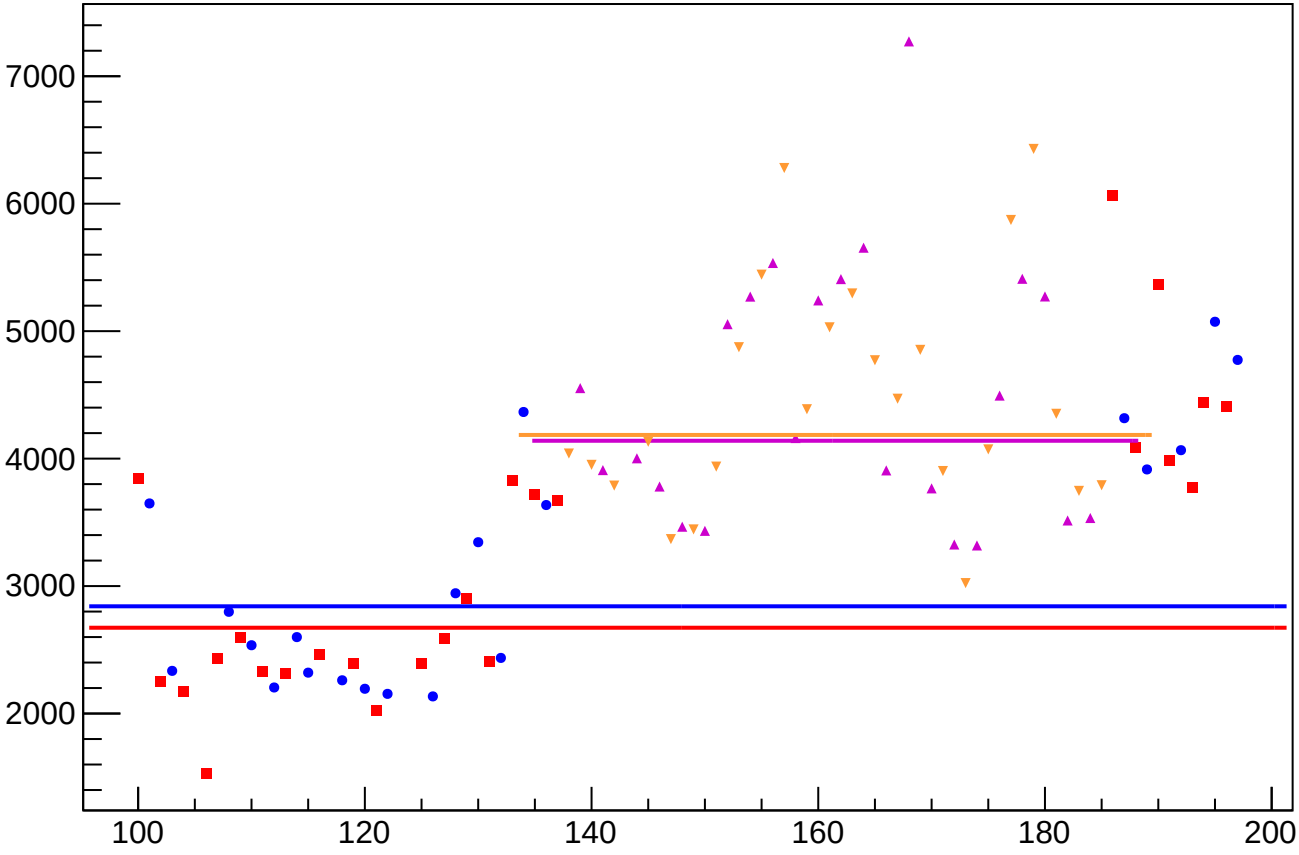
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 274.294+/-672.115 χ^2/NDF: 51.1/44

All: -134.775+/-460.191 χ^2/NDF: 96.5/92

- sign -495.794+/-631.408 χ^2/NDF: 44.7/47

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2841.307+/-0.644 χ^2/NDF: 1664313.4/20

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2673.208+/-0.580 χ^2/NDF: 2224108.8/24

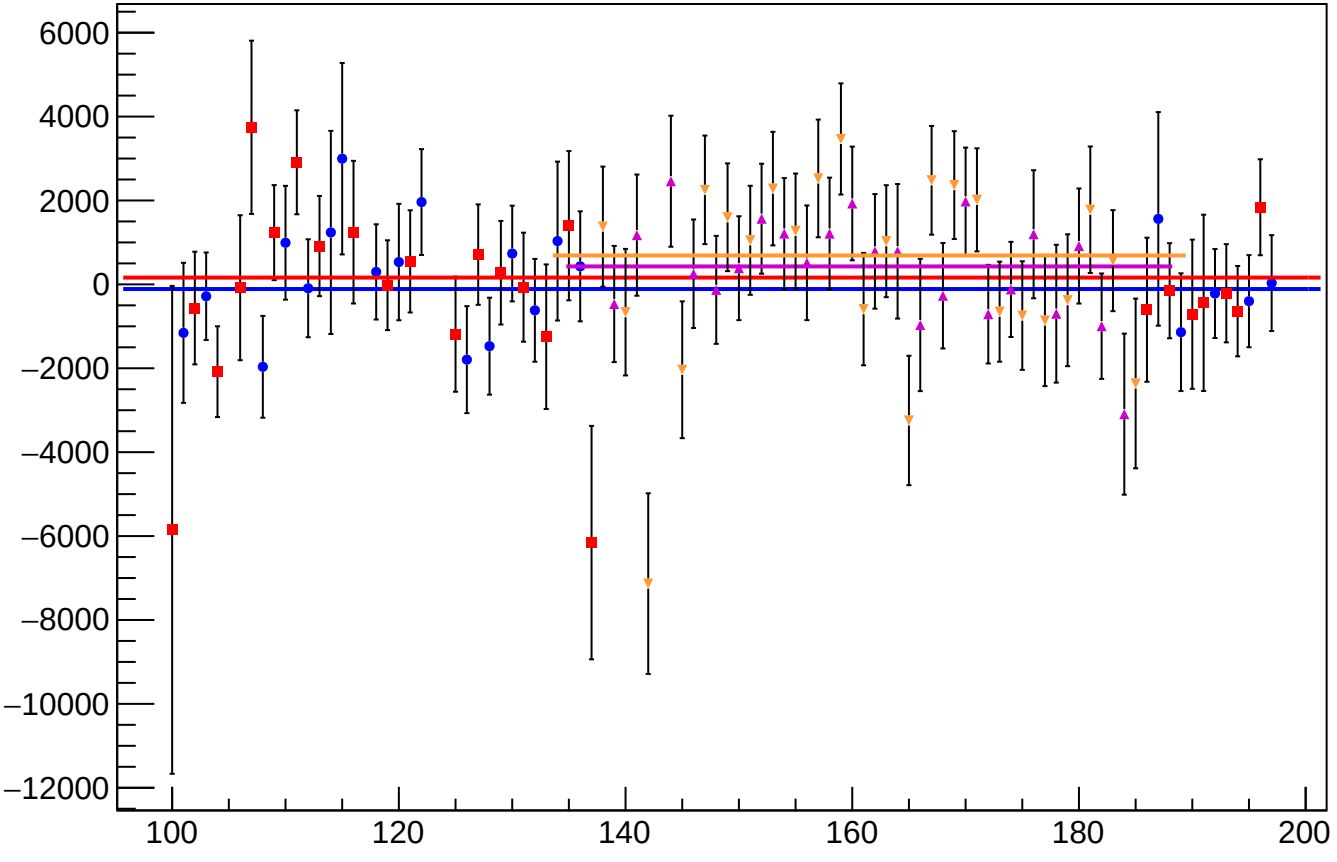
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3454.536+/-0.475 χ^2/NDF: 4920531.5/44

All: 3356.392+/-0.325 χ^2/NDF: 11279362.1/9

- sign 3269.776+/-0.446 χ^2/NDF: 6278549.4/47

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -110.828+/-284.847 χ^2/NDF: 14.1/20

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 161.838+/-274.136 χ^2/NDF: 26.4/24

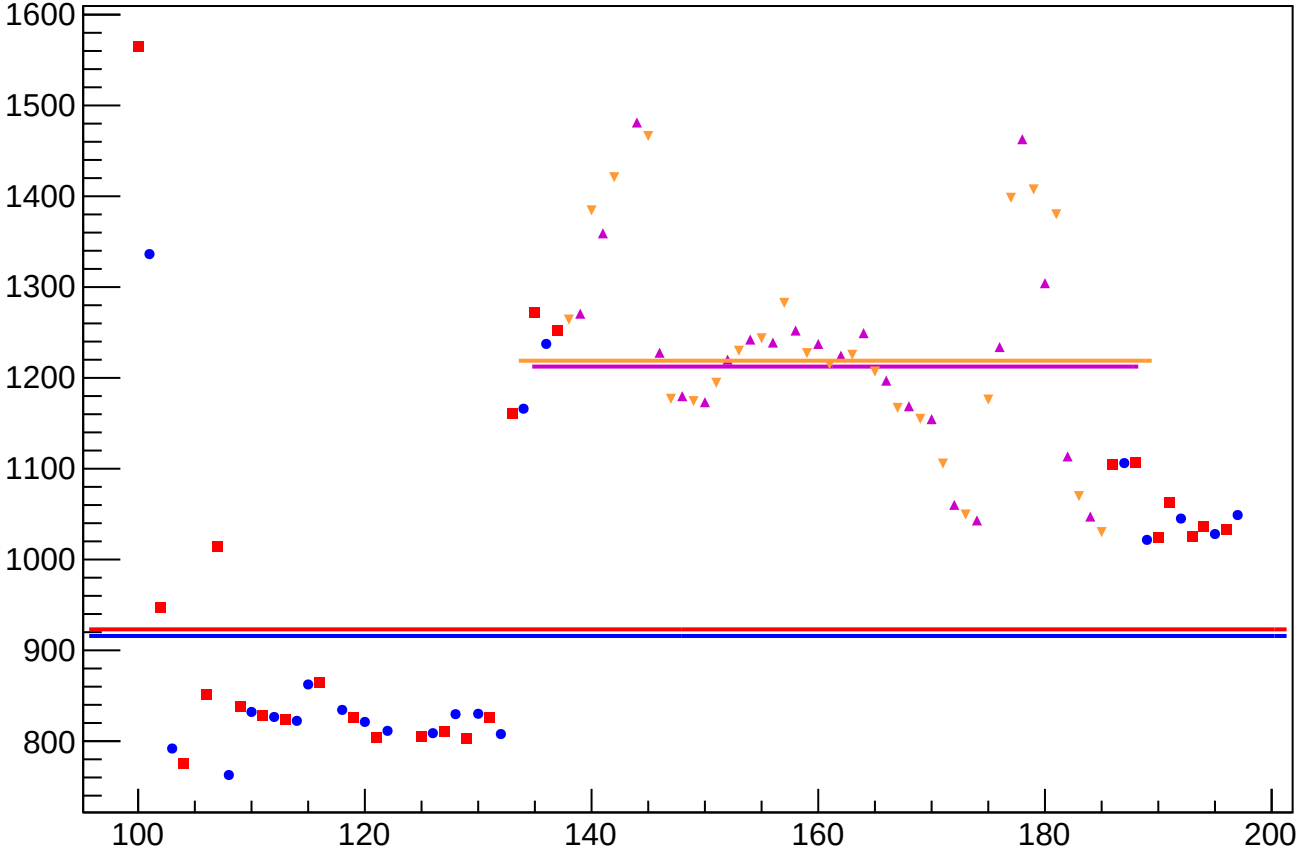
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 289.775+/-201.255 χ^2/NDF: 63.8/44

All: 289.921+/-140.914 χ^2/NDF: 105.2/92

- sign 290.062+/-197.367 χ^2/NDF: 41.4/47

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 915.813+/-0.201 χ^2/NDF: 551140.9/20

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

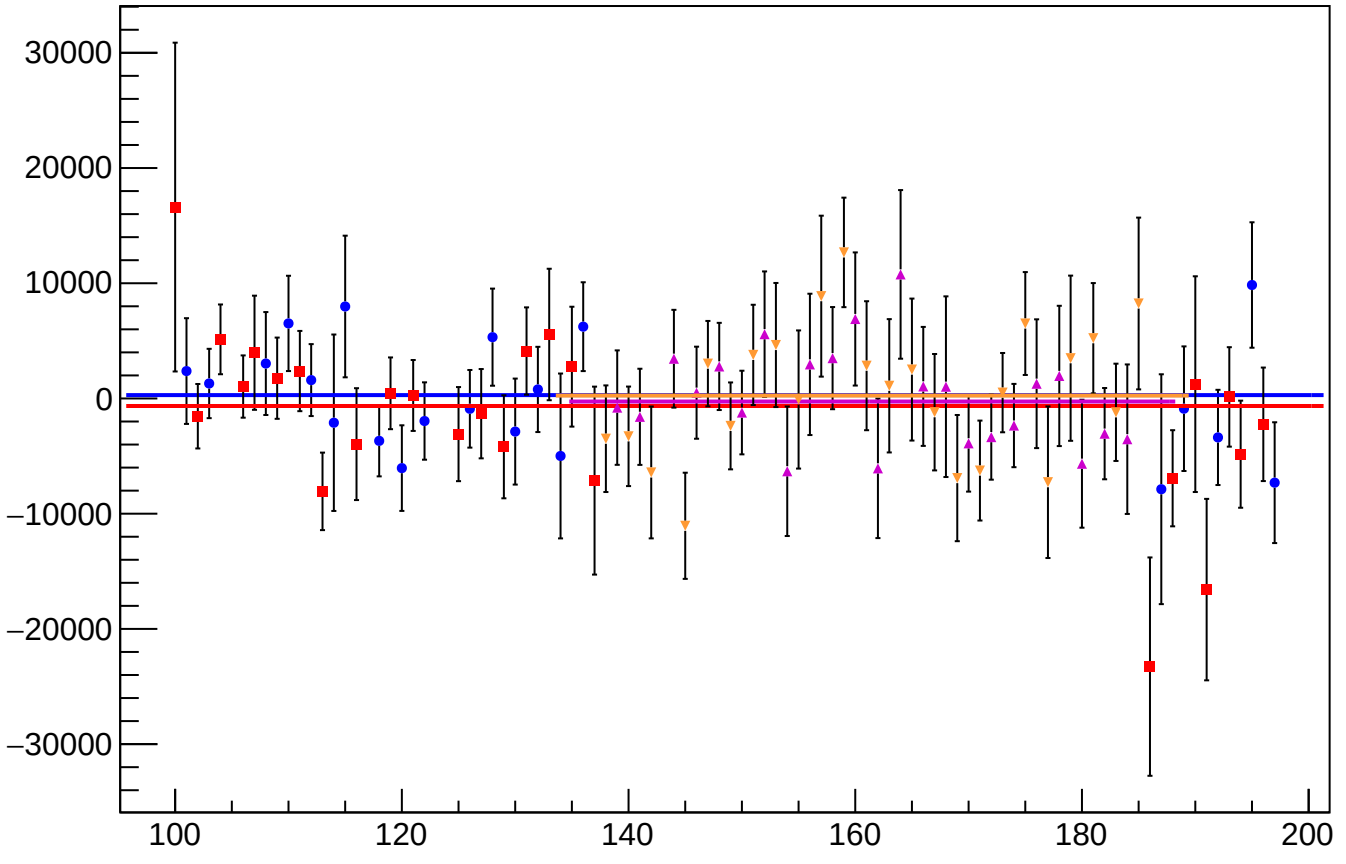
Right Out: 923.095+/-0.194 χ^2/NDF: 495520.4/24

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1067.615+/-0.142 χ^2/NDF: 1979239.6/44

All: 1064.938+/-0.100 χ^2/NDF: 3809733.7/92

- sign 1062.365+/-0.140 χ^2/NDF: 1829799.9/47



Right In: 292.317+/-911.390 χ^2/NDF: 21.5/20

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -653.150+/-819.733 χ^2/NDF: 31.1/24

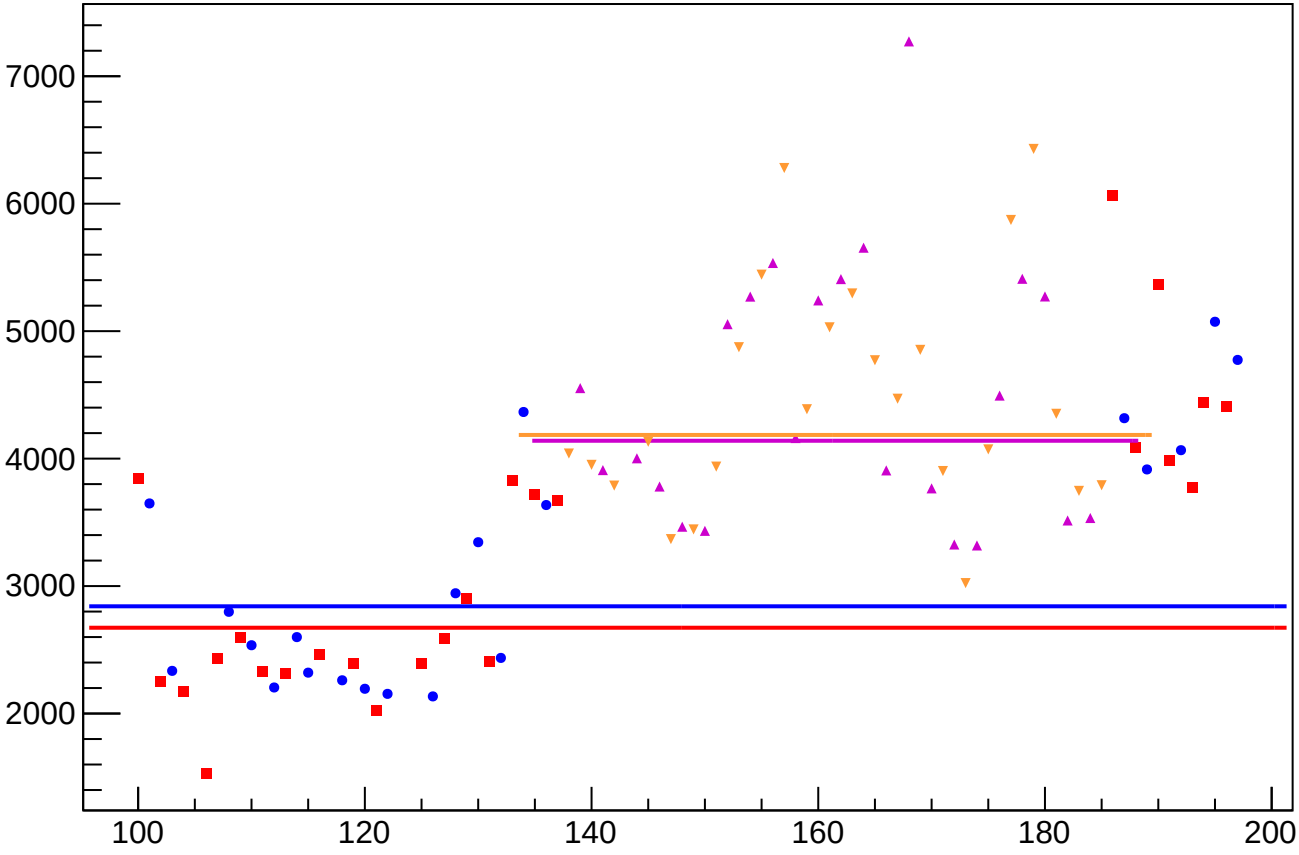
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 274.293+/-672.115 χ^2/NDF: 51.1/44

All: -134.775+/-460.191 χ^2/NDF: 96.5/92

- sign -495.792+/-631.407 χ^2/NDF: 44.7/47

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2841.299+/-0.644 χ^2/NDF: 1664337.4/20

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2673.201+/-0.580 χ^2/NDF: 2224128.9/24

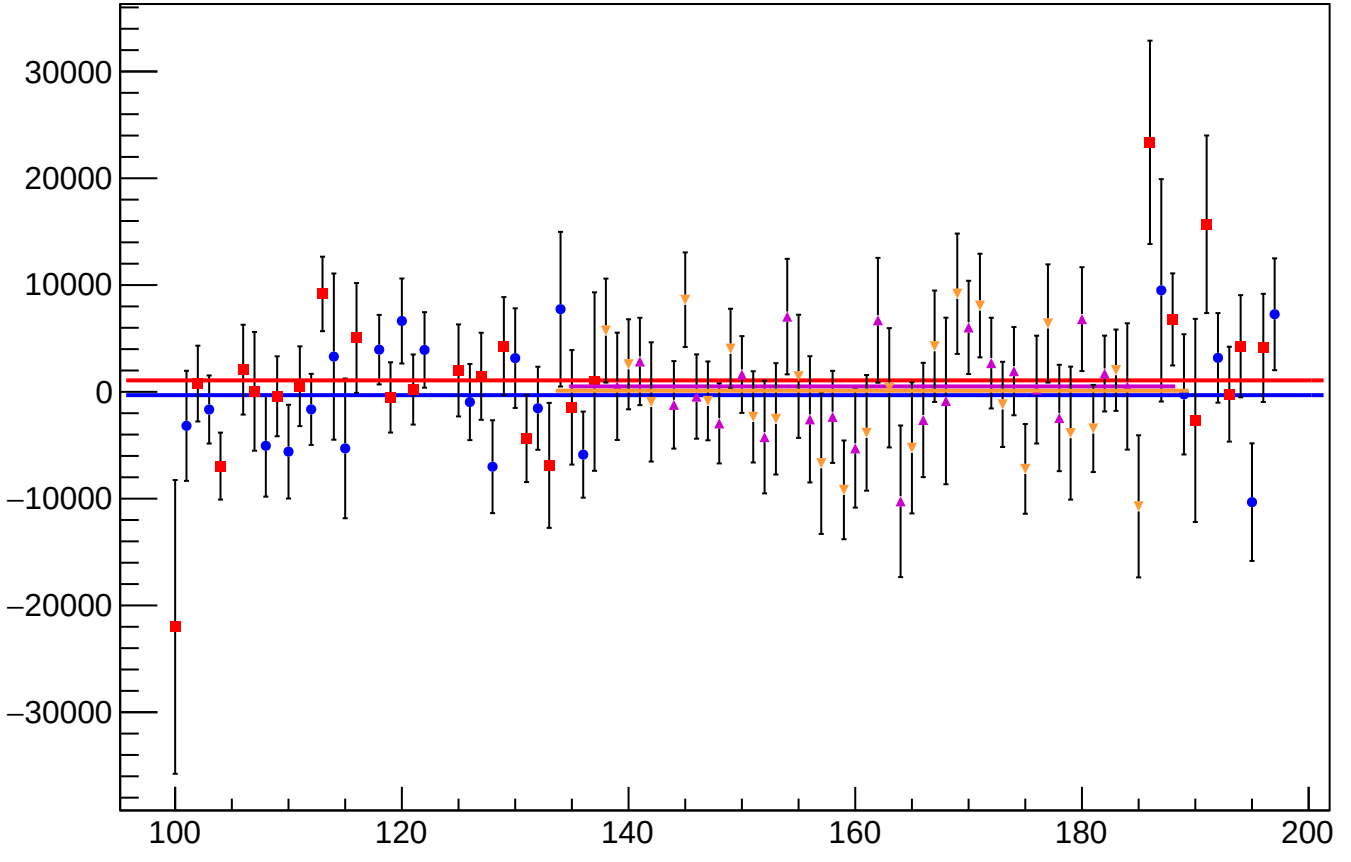
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3454.532+/-0.475 χ^2/NDF: 4920602.6/44

All: 3356.388+/-0.325 χ^2/NDF: 11279502.9/9

- sign 3269.773+/-0.446 χ^2/NDF: 6278619.0/47

asym_usl_atl2_dd_mean vs Slug



Right In: -309.323+/-957.344 χ^2/NDF: 23.3/20

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 1073.794+/-895.391 χ^2/NDF: 31.7/24

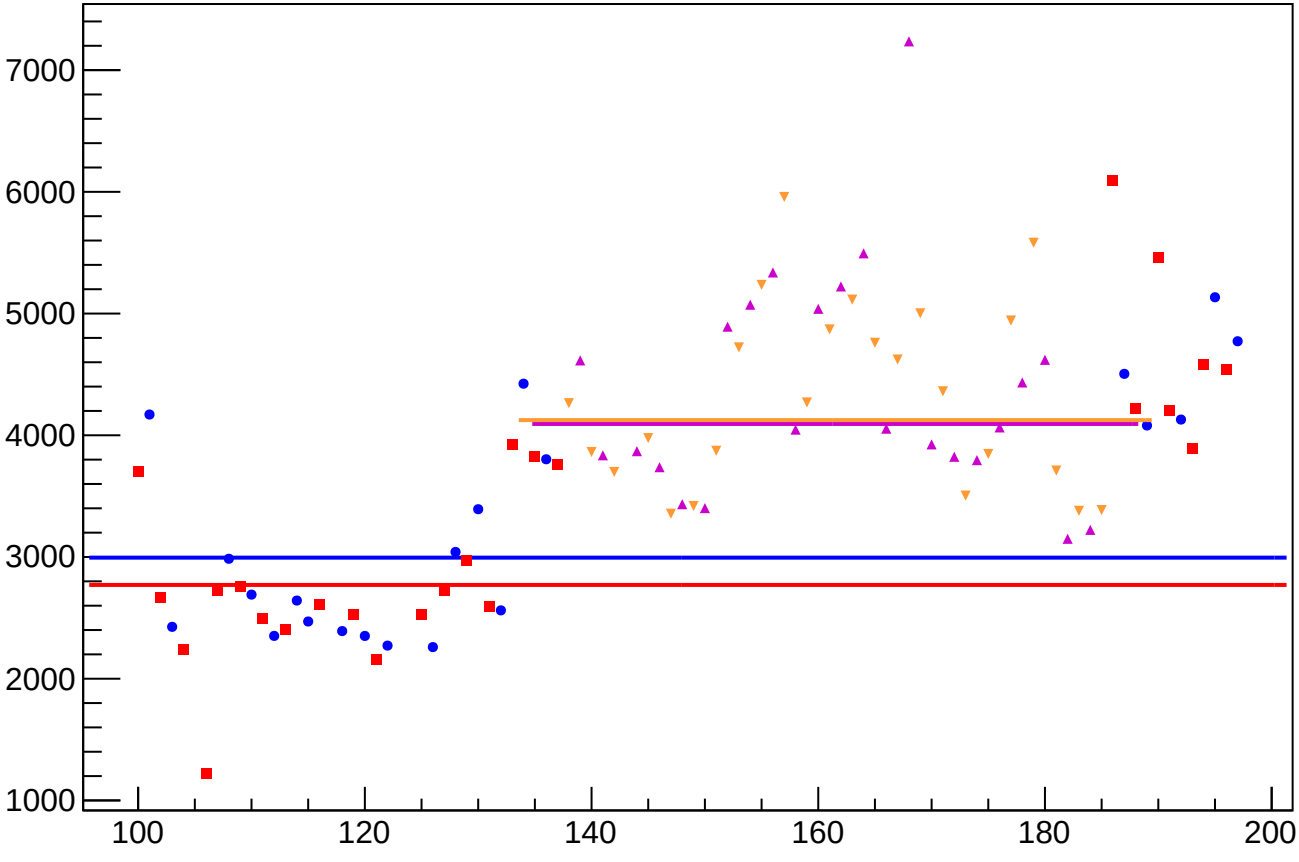
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -104.128+/-683.307 χ^2/NDF: 51.4/44

All: 371.999+/-474.430 χ^2/NDF: 97.7/92

- sign 815.166+/-659.232 χ^2/NDF: 45.4/47

asym_usl_atl2_dd_rms vs Slug



Right In: 2994.741+/-0.677 χ^2/NDF: 1551595.6/20

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2770.547+/-0.609 χ^2/NDF: 2482115.5/24

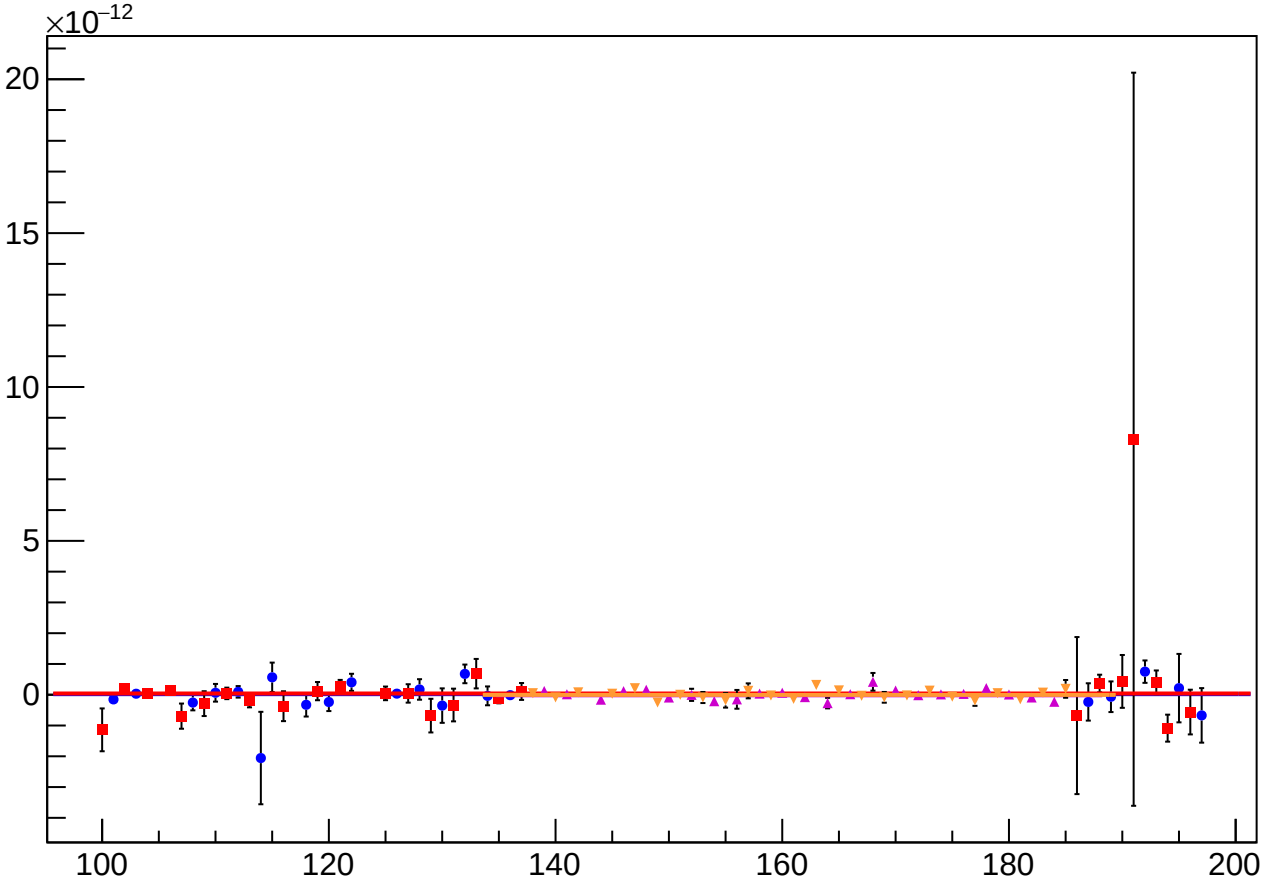
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3548.944+/-0.483 χ^2/NDF: 3887816.7/44

All: 3444.231+/-0.332 χ^2/NDF: 9690327.1/92

- sign 3350.843+/-0.456 χ^2/NDF: 5713654.2/47

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

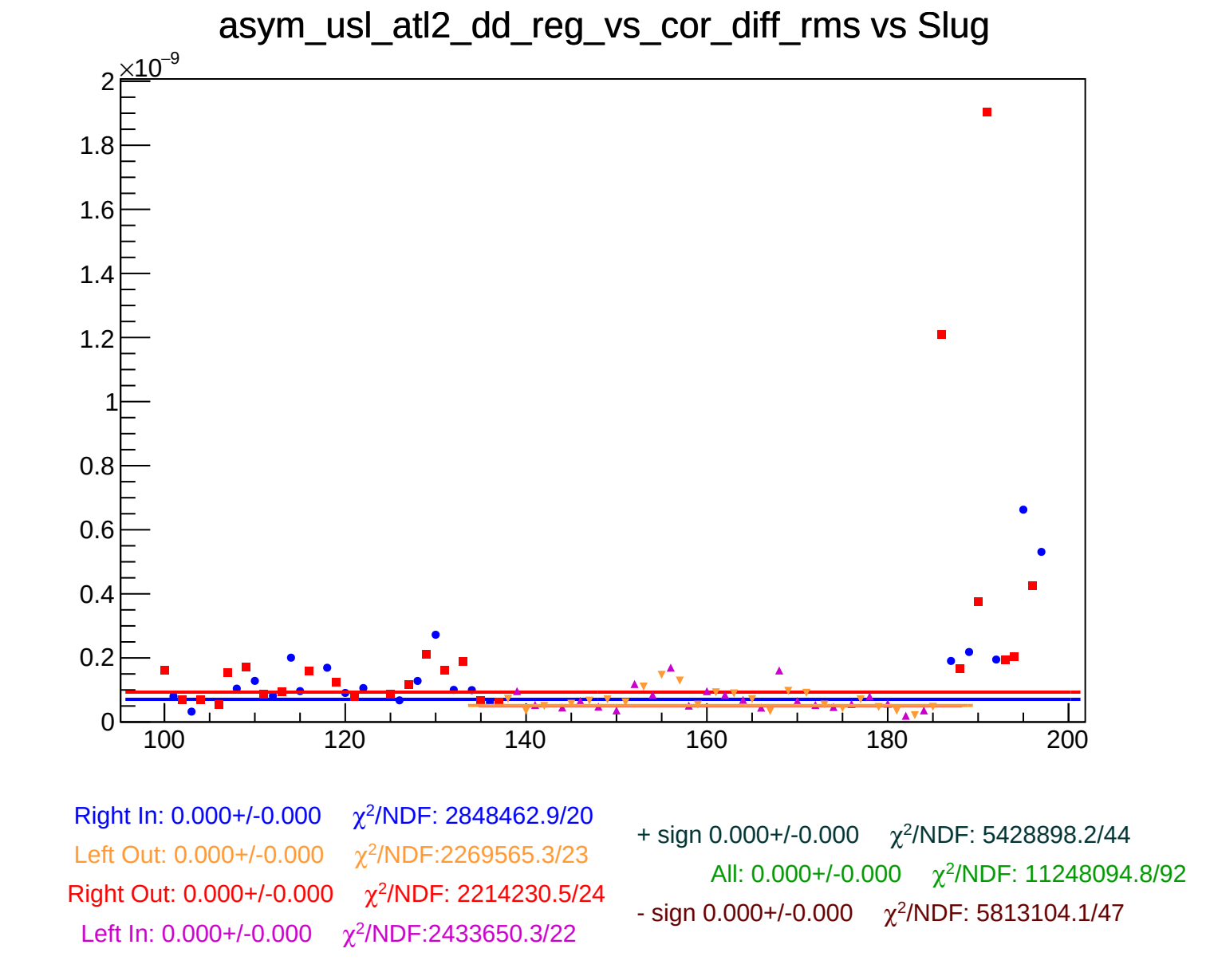
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/24

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

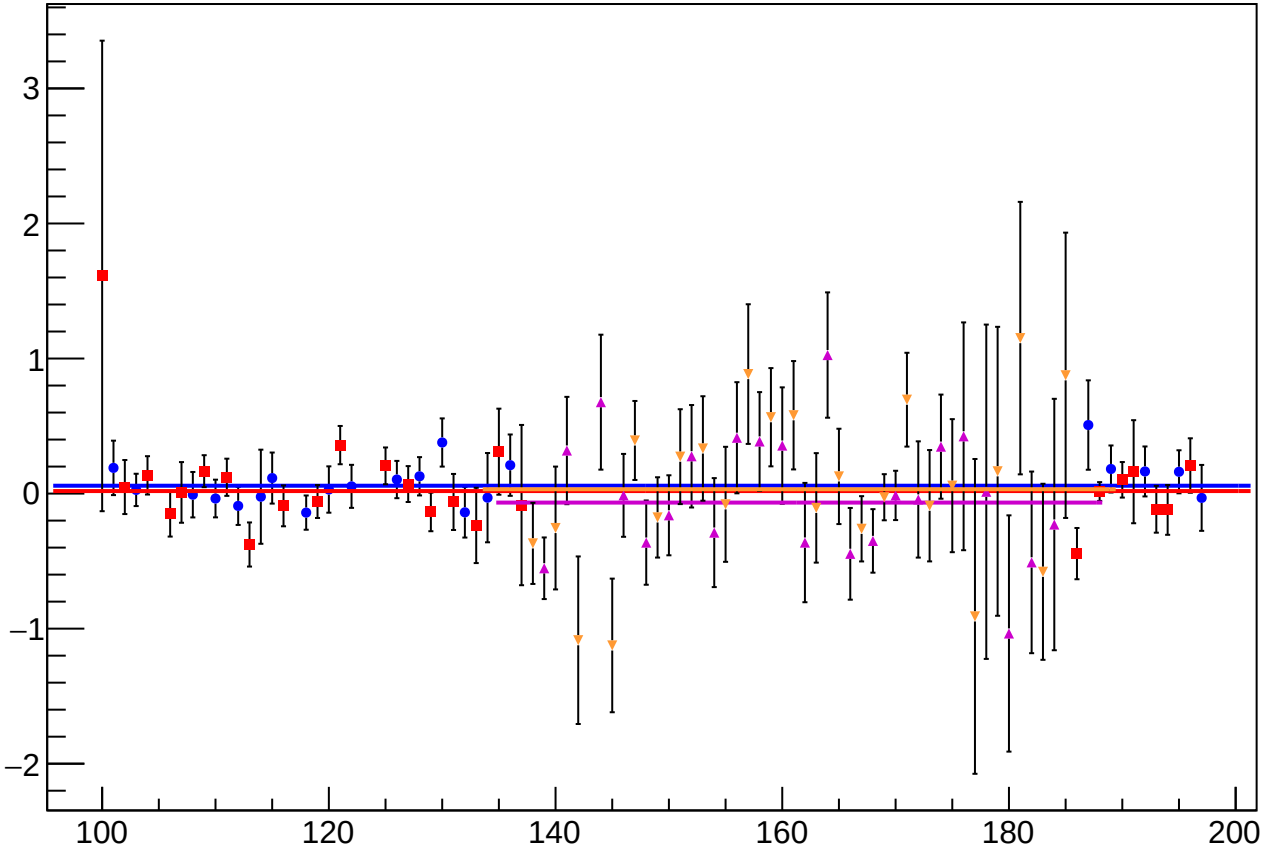
+ sign 0.000+/-0.000 χ^2/NDF: 44.7/44

All: -0.000+/-0.000 χ^2/NDF: 98.8/92

- sign -0.000+/-0.000 χ^2/NDF: 54.0/47


asym_usl_atl2_dd_reg_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: 2848462.9/20
Left Out: 0.000+/-0.000 χ²/NDF:2269565.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2214230.5/24
Left In: 0.000+/-0.000 χ²/NDF:2433650.3/22
+ sign 0.000+/-0.000 χ²/NDF: 5428898.2/44
All: 0.000+/-0.000 χ²/NDF: 11248094.8/92
- sign 0.000+/-0.000 χ²/NDF: 5813104.1/47

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.058+/-0.037 χ^2/NDF: 13.3/20

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.019+/-0.031 χ^2/NDF: 30.8/24

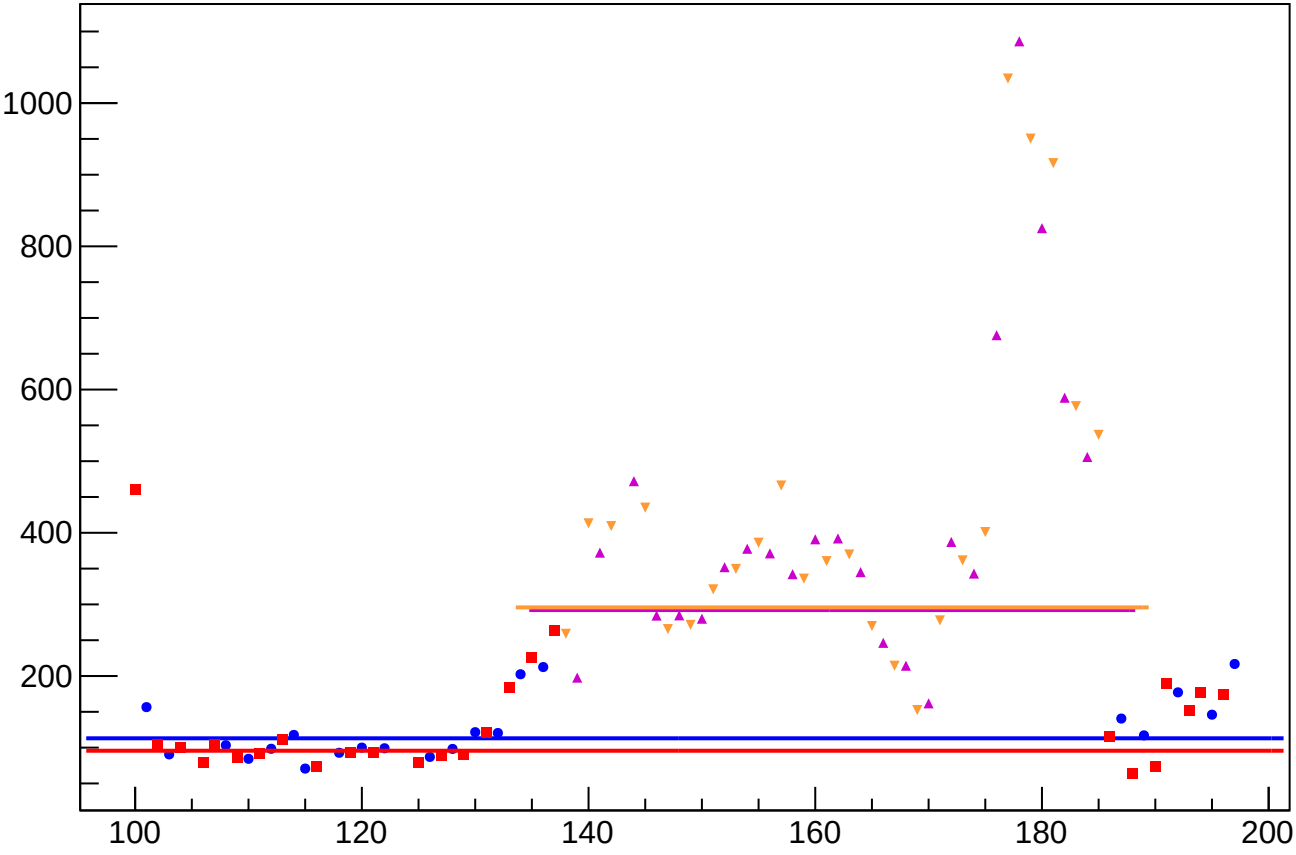
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.053+/-0.033 χ^2/NDF: 43.1/44

All: 0.026+/-0.022 χ^2/NDF: 101.9/92

- sign 0.006+/-0.029 χ^2/NDF: 57.6/47

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 113.027+/-0.026 χ^2/NDF: 1787630.9/20

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 95.679+/-0.022 χ^2/NDF: 2479858.4/24

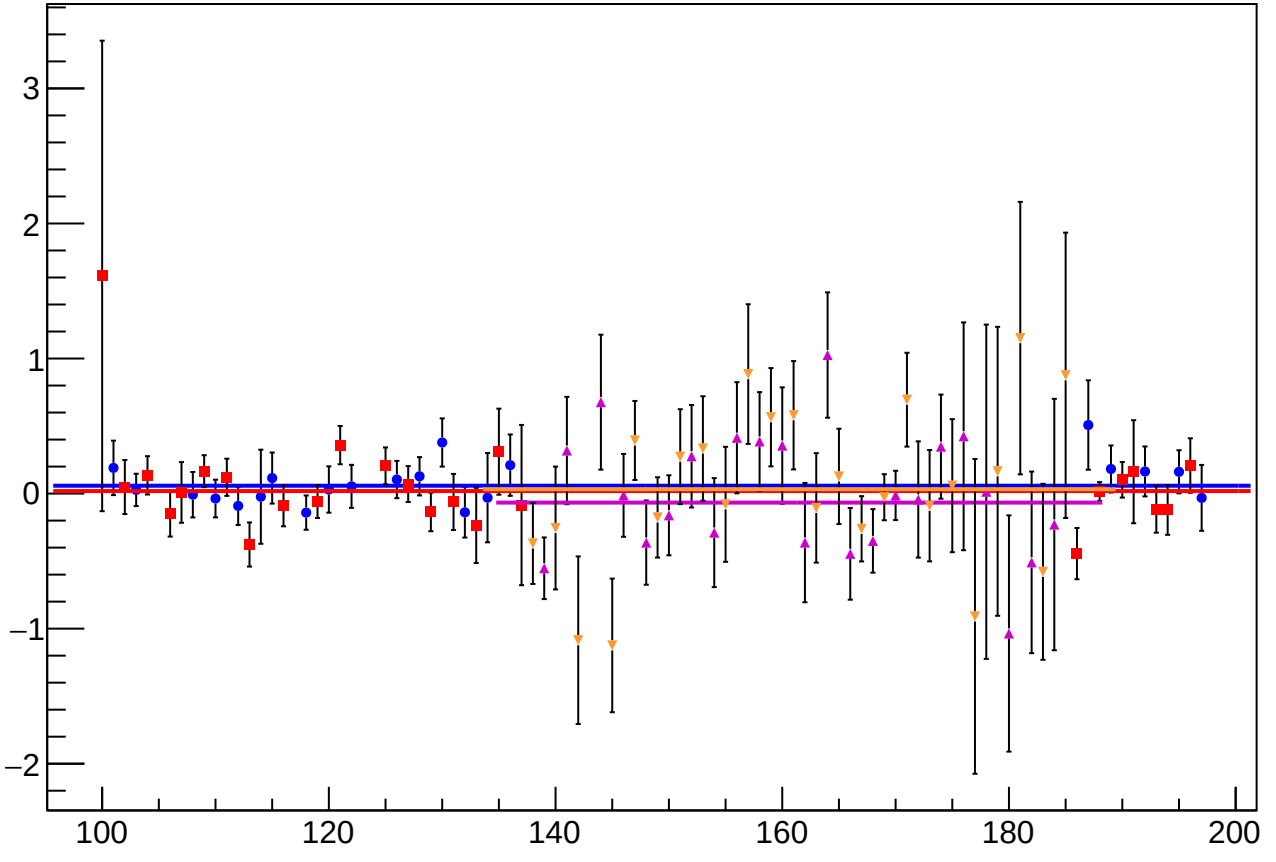
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 148.394+/-0.024 χ^2/NDF: 16616150.7/44

All: 134.506+/-0.015 χ^2/NDF: 36550223.0/92

- sign 124.373+/-0.020 χ^2/NDF: 19337188.2/47

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.058+/-0.037 χ^2/NDF: 13.3/20

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.019+/-0.031 χ^2/NDF: 30.8/24

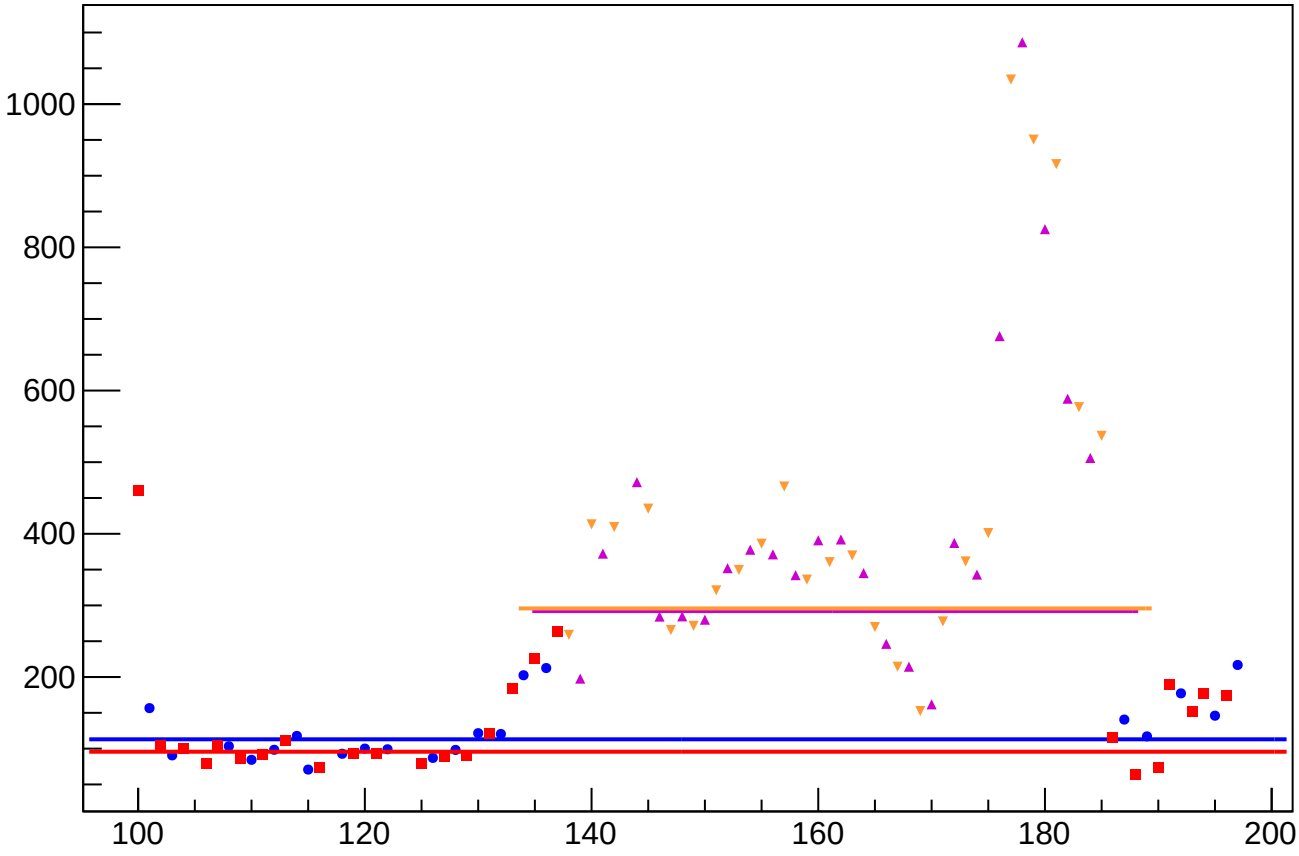
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.053+/-0.033 χ^2/NDF: 43.1/44

All: 0.026+/-0.022 χ^2/NDF: 101.9/92

- sign 0.006+/-0.029 χ^2/NDF: 57.6/47

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 113.027+/-0.026 χ^2/NDF: 1787630.9/20

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

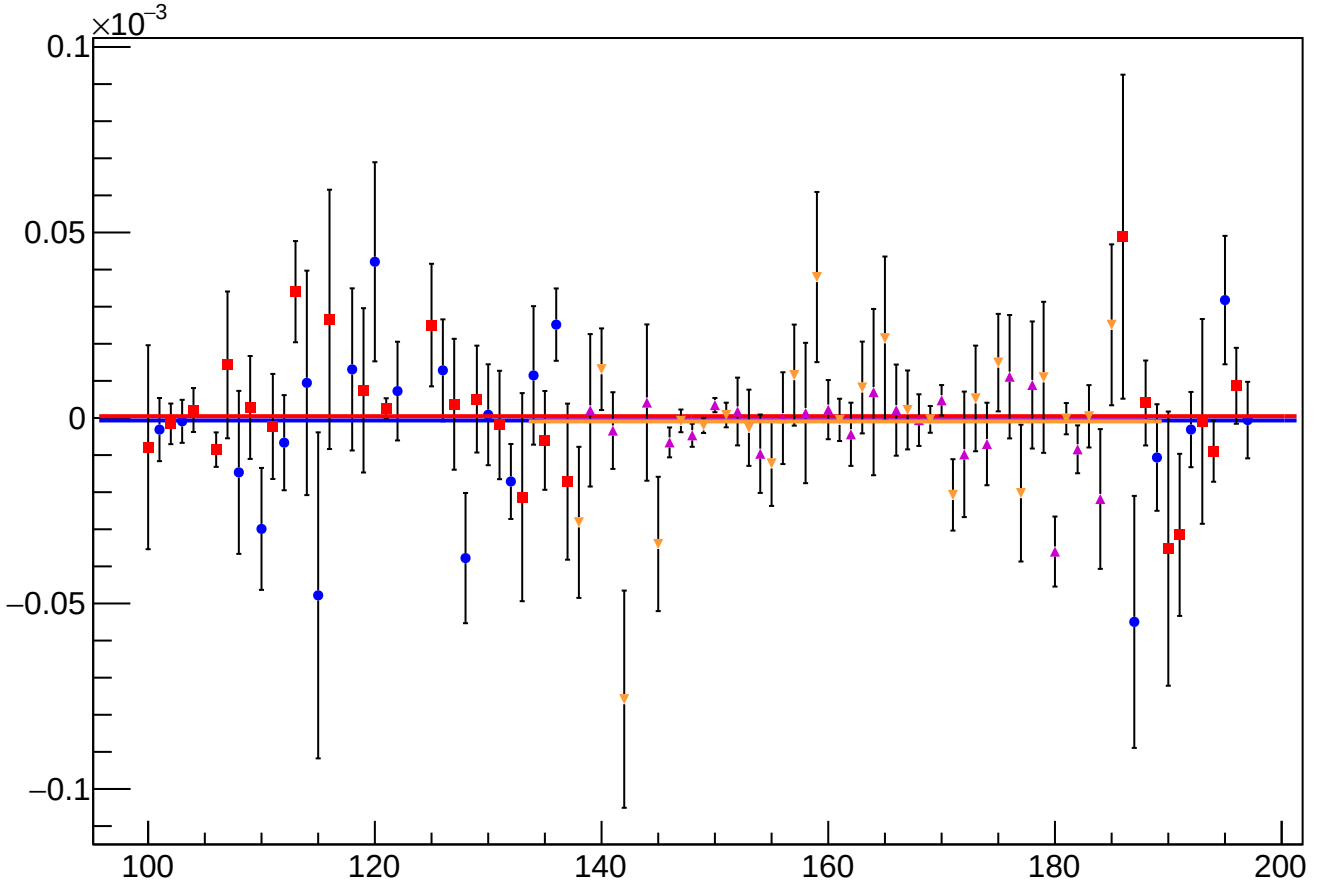
Right Out: 95.679+/-0.022 χ^2/NDF: 2479858.4/24

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 148.394+/-0.024 χ^2/NDF: 16616150.7/44

All: 134.506+/-0.015 χ^2/NDF: 36550223.0/92

- sign 124.373+/-0.020 χ^2/NDF: 19337188.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 30.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

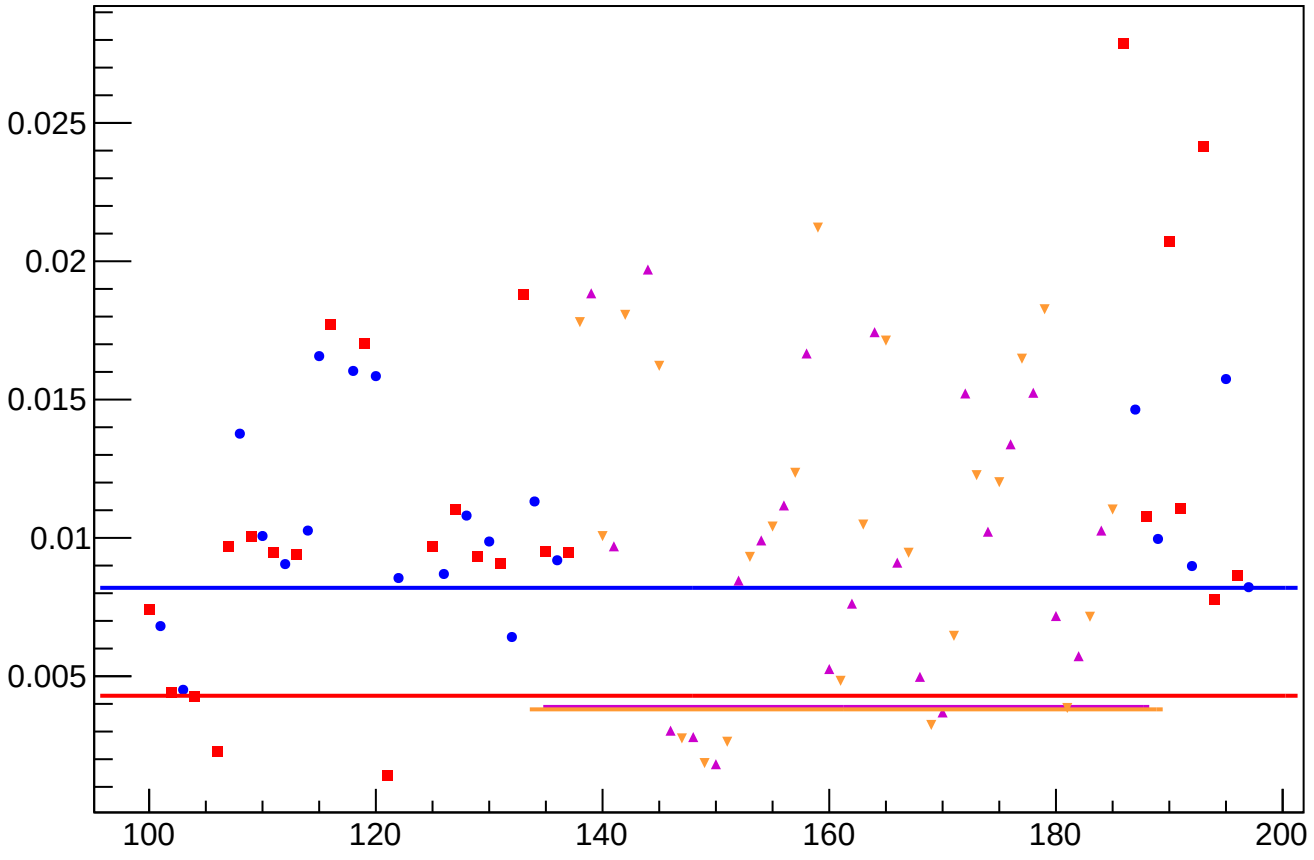
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/24

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.7/44

All: -0.000+/-0.000 χ^2/NDF: 112.2/92

- sign -0.000+/-0.000 χ^2/NDF: 52.4/47



Right In: 0.008+/-0.000 χ^2/NDF: 2239008.0/20

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

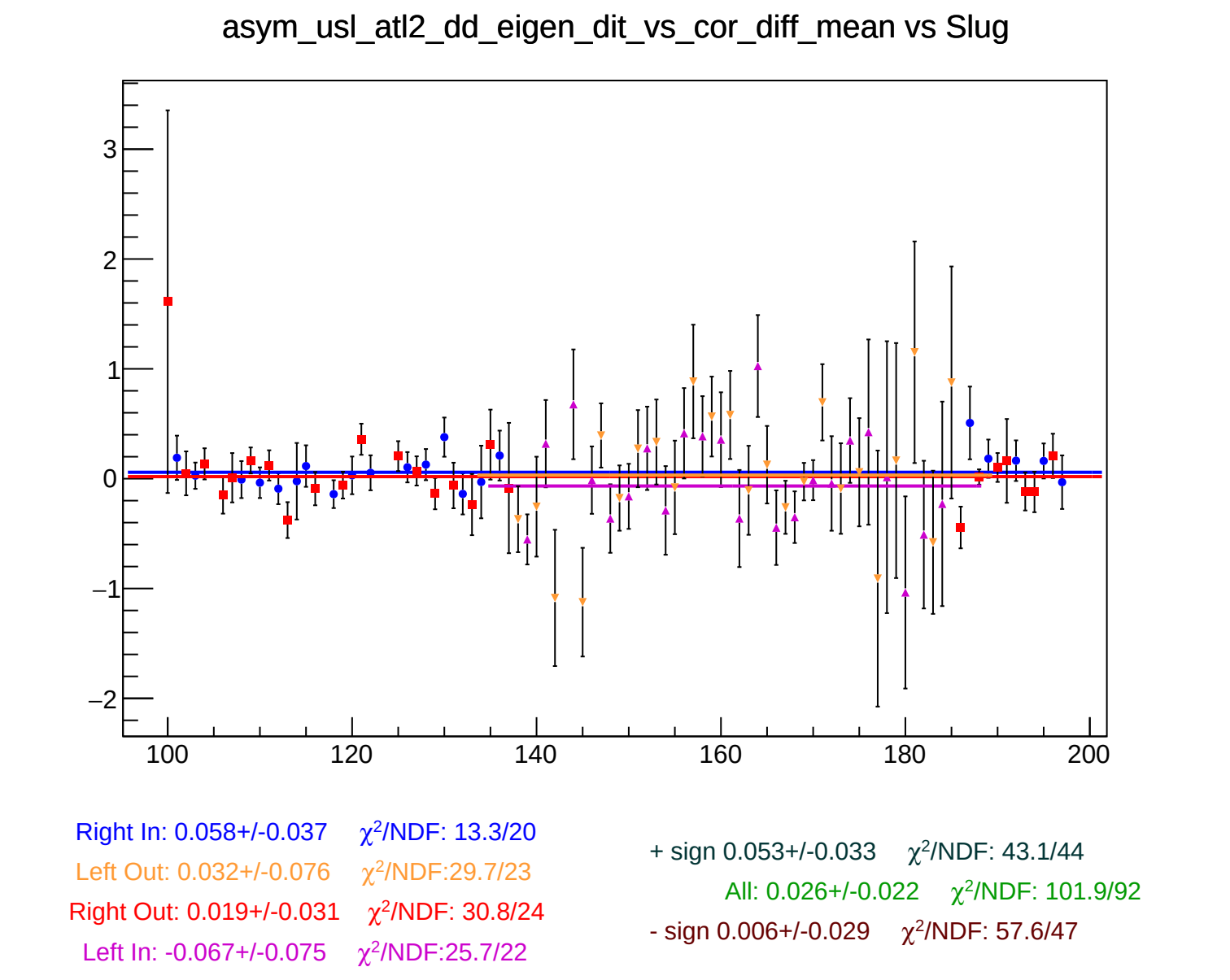
Right Out: 0.004+/-0.000 χ^2/NDF: 10215106.5/24

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 21138334.0/44

All: 0.004+/-0.000 χ^2/NDF: 45146890.2/92

- sign 0.004+/-0.000 χ^2/NDF: 23810362.6/47


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
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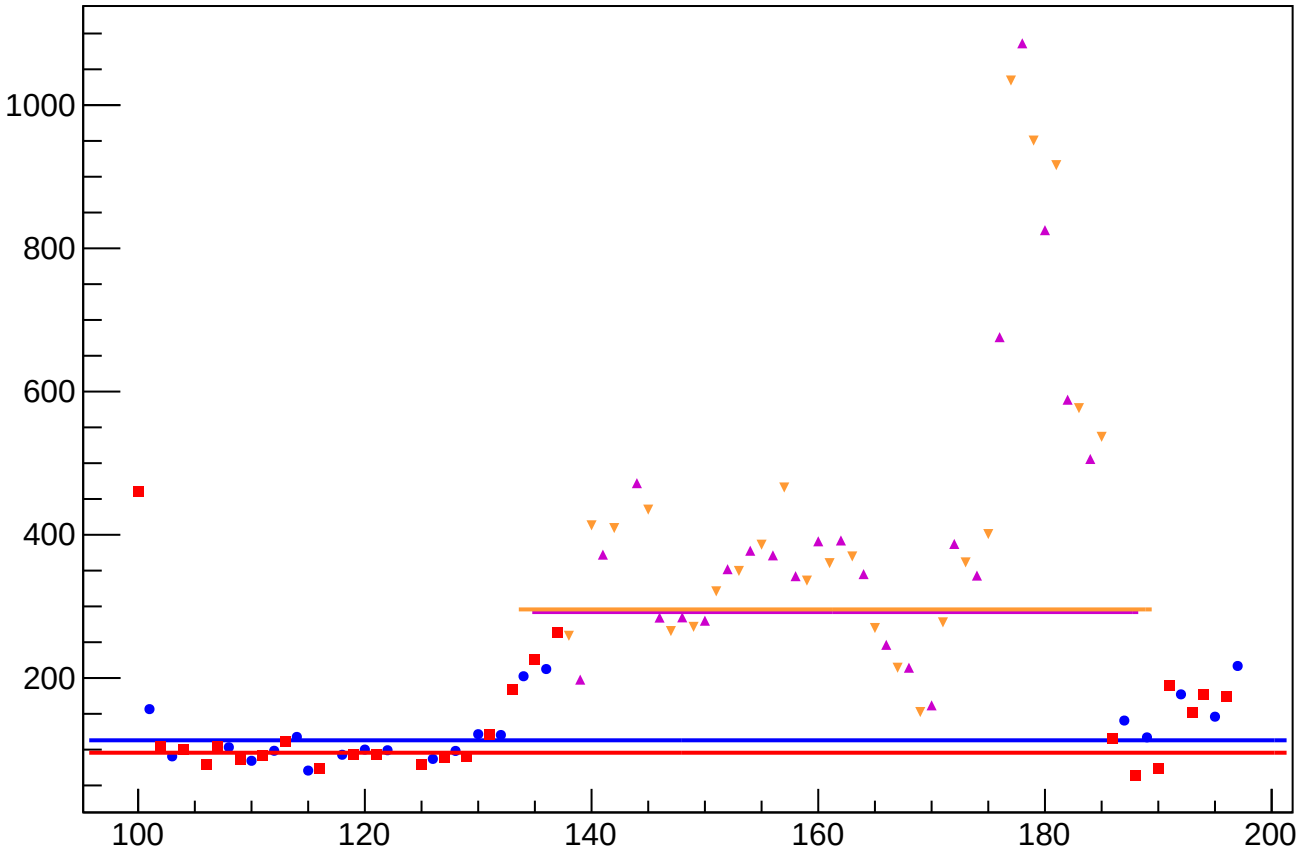
0
−1
−2
100
120
140
160
180
200
Right In: 0.058+/-0.037 χ²/NDF: 13.3/20
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.019+/-0.031 χ²/NDF: 30.8/24
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.053+/-0.033 χ²/NDF: 43.1/44
All: 0.026+/-0.022 χ²/NDF: 101.9/92
- sign 0.006+/-0.029 χ²/NDF: 57.6/47



Right In: 113.027+/-0.026 χ^2/NDF: 1787581.0/20

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

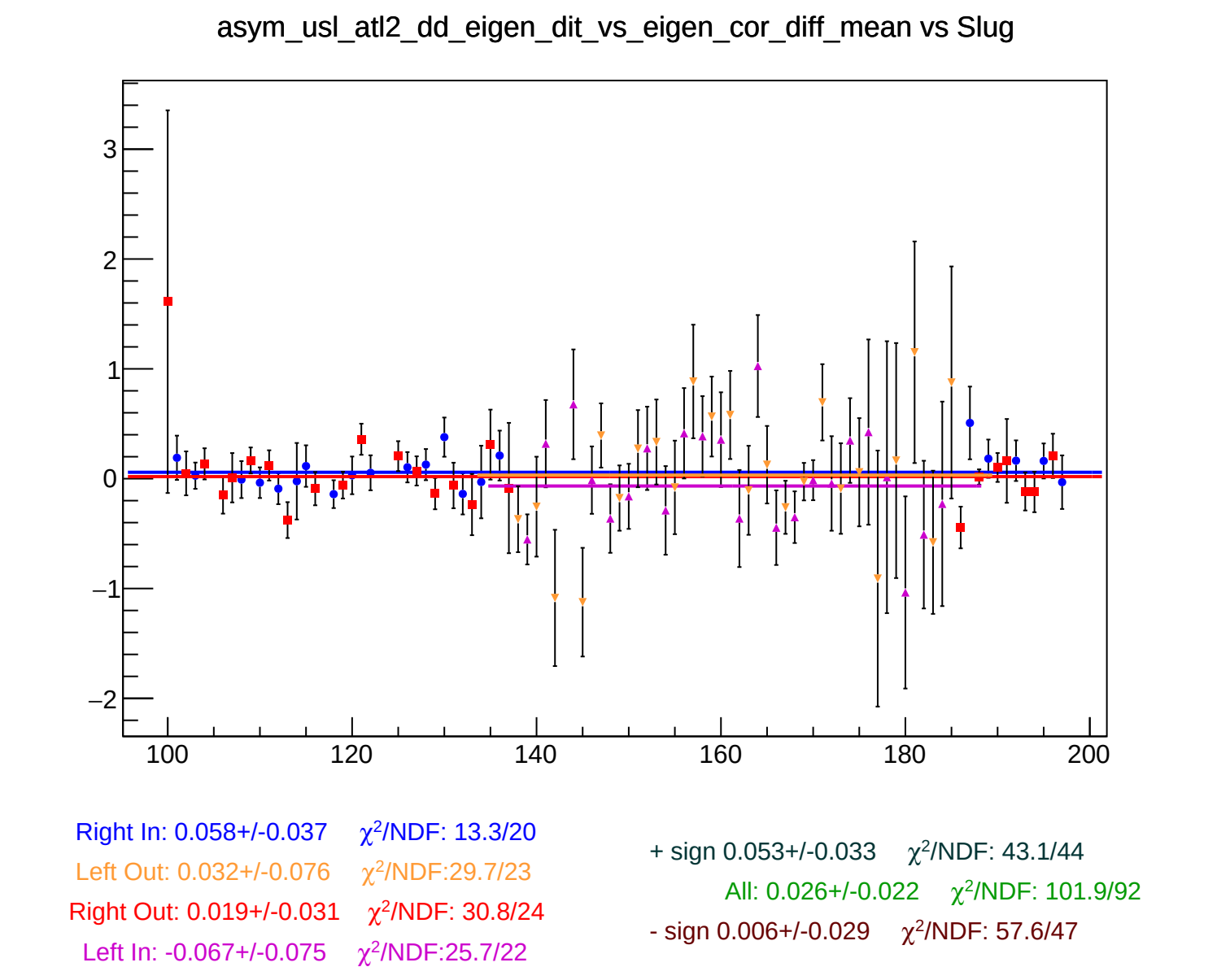
Right Out: 95.678+/-0.022 χ^2/NDF: 2479944.4/24

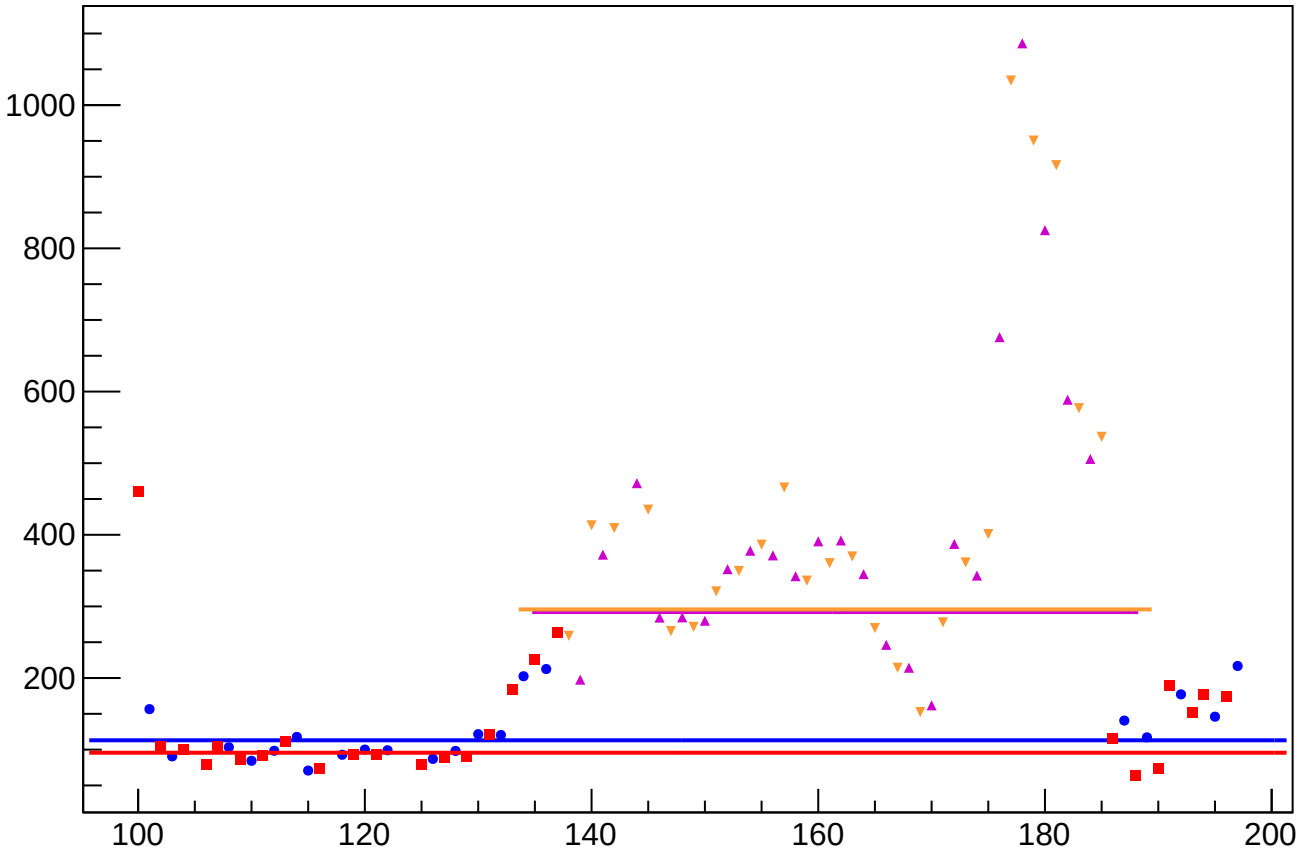
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 148.395+/-0.024 χ^2/NDF: 16616181.2/44

All: 134.505+/-0.015 χ^2/NDF: 36550818.5/92

- sign 124.371+/-0.020 χ^2/NDF: 19337631.7/47


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+/-0.037 χ²/NDF: 13.3/20
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.019+/-0.031 χ²/NDF: 30.8/24
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.053+/-0.033 χ²/NDF: 43.1/44
All: 0.026+/-0.022 χ²/NDF: 101.9/92
- sign 0.006+/-0.029 χ²/NDF: 57.6/47



Right In: 113.027+/-0.026 χ^2/NDF: 1787581.0/20

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

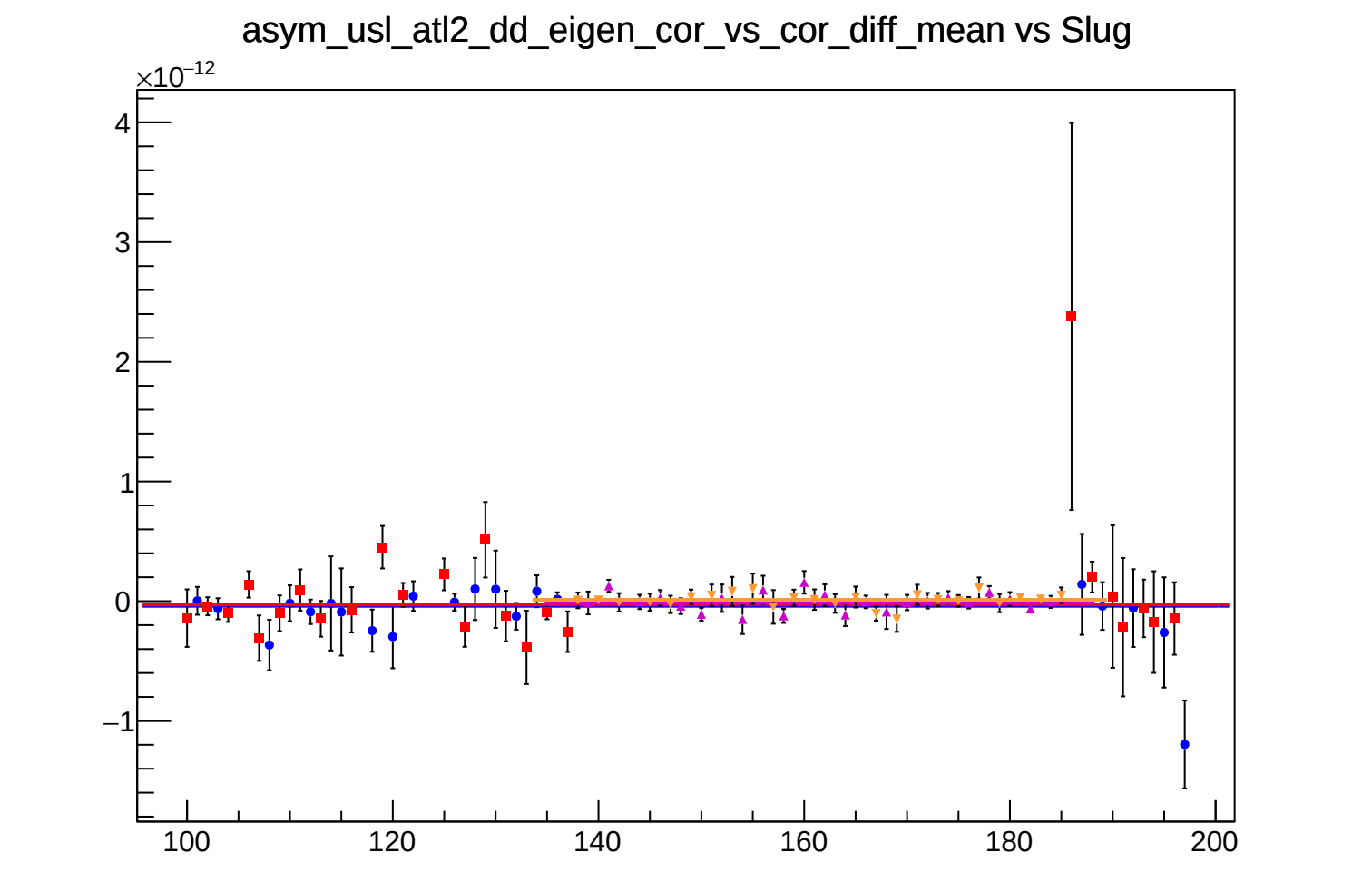
Right Out: 95.678+/-0.022 χ^2/NDF: 2479944.4/24

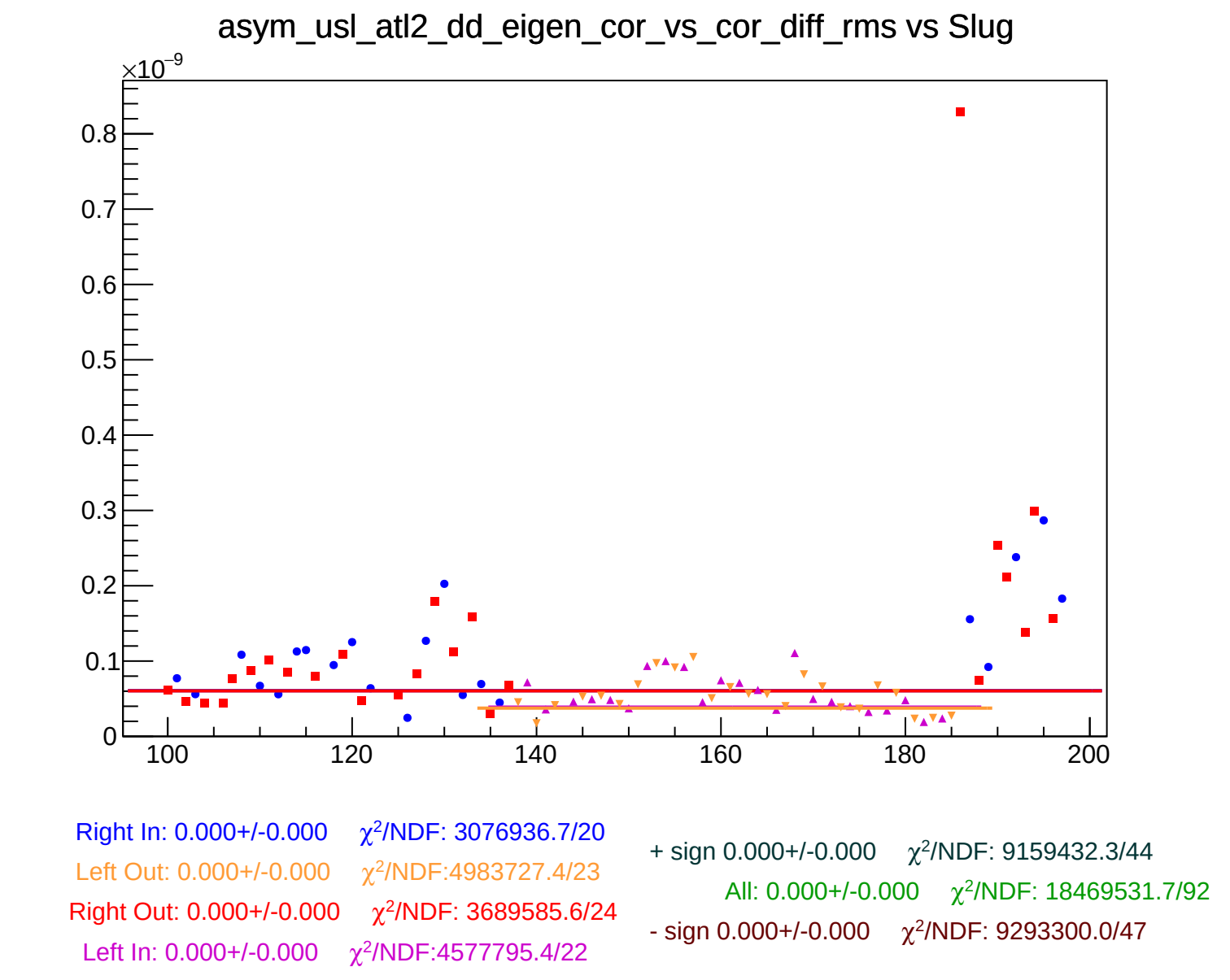
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

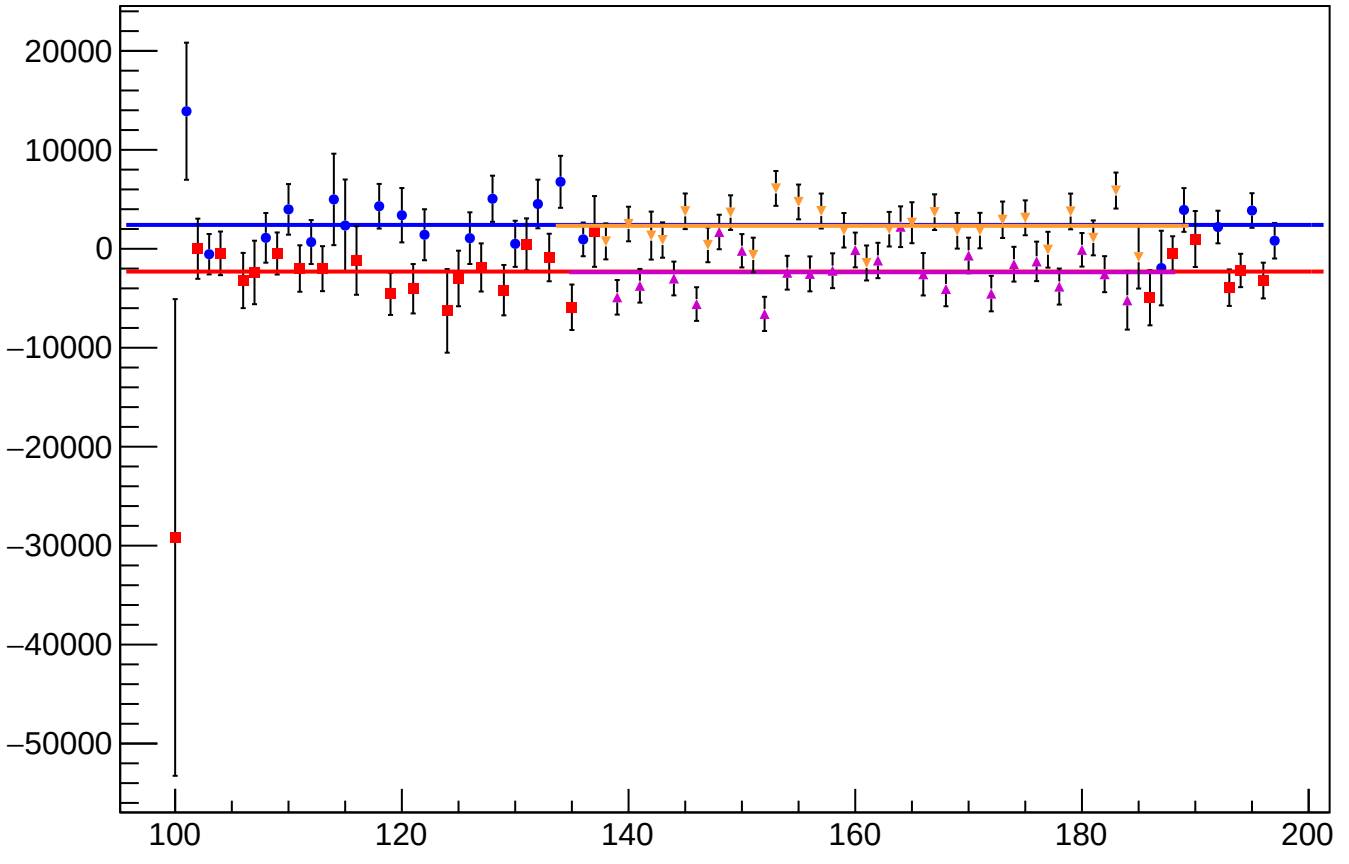
+ sign 148.395+/-0.024 χ^2/NDF: 16616181.2/44

All: 134.505+/-0.015 χ^2/NDF: 36550818.5/92

- sign 124.371+/-0.020 χ^2/NDF: 19337631.7/47


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.0/20
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 33.0/24
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 32.2/44
All: -0.000+/-0.000 χ²/NDF: 98.1/92
- sign -0.000+/-0.000 χ²/NDF: 64.0/47


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3076936.7/20
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 3689585.6/24
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
+ sign 0.000+/-0.000 χ²/NDF: 9159432.3/44
All: 0.000+/-0.000 χ²/NDF: 18469531.7/92
- sign 0.000+/-0.000 χ²/NDF: 9293300.0/47



Right In: 2412.543+/-513.113 χ^2/NDF: 17.2/20

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2301.285+/-486.024 χ^2/NDF: 16.2/24

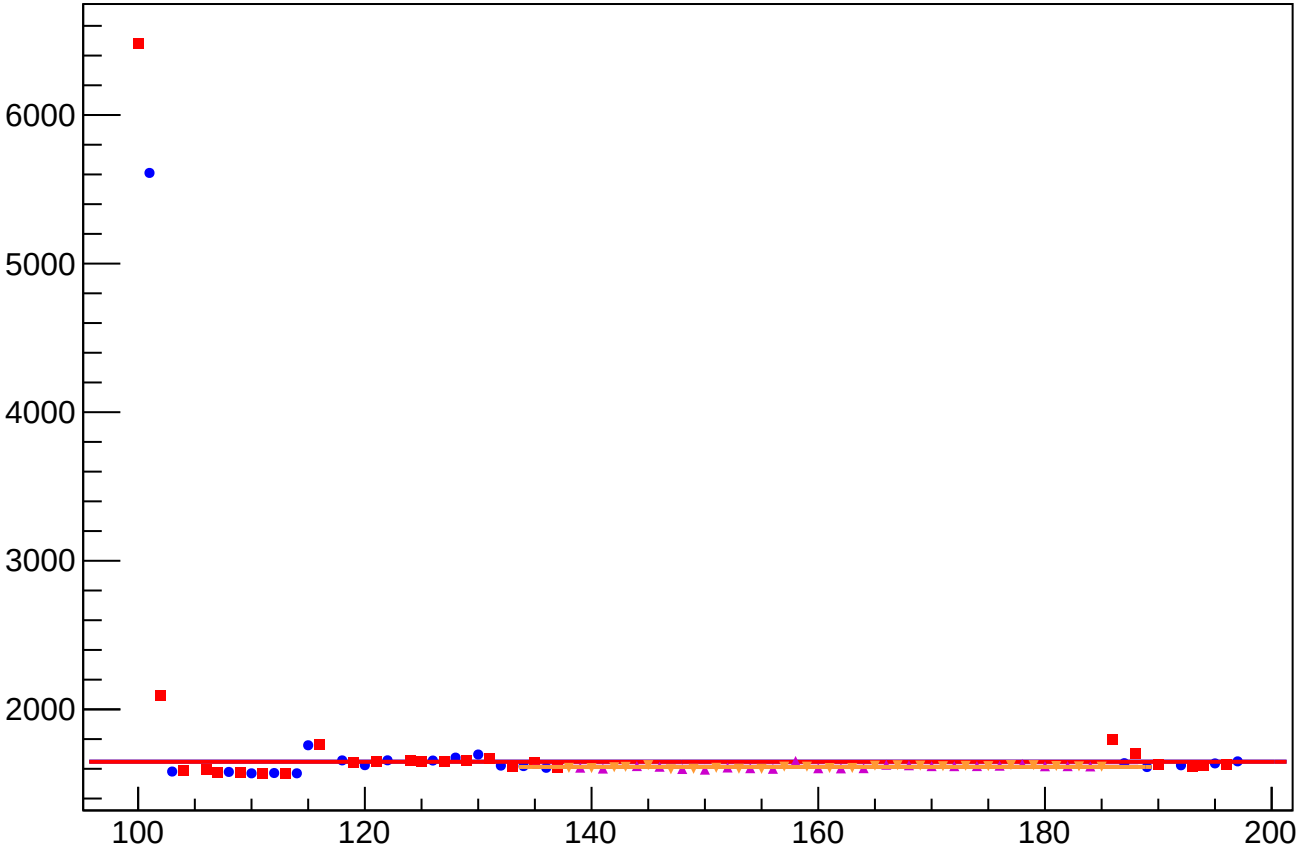
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2351.948+/-298.129 χ^2/NDF: 44.7/45

All: 0.992+/-210.688 χ^2/NDF: 218.9/93

- sign -2344.597+/-297.788 χ^2/NDF: 50.0/47

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.455+/-0.363 χ^2/NDF: 667673.5/20

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1647.229+/-0.344 χ^2/NDF: 145835.3/24

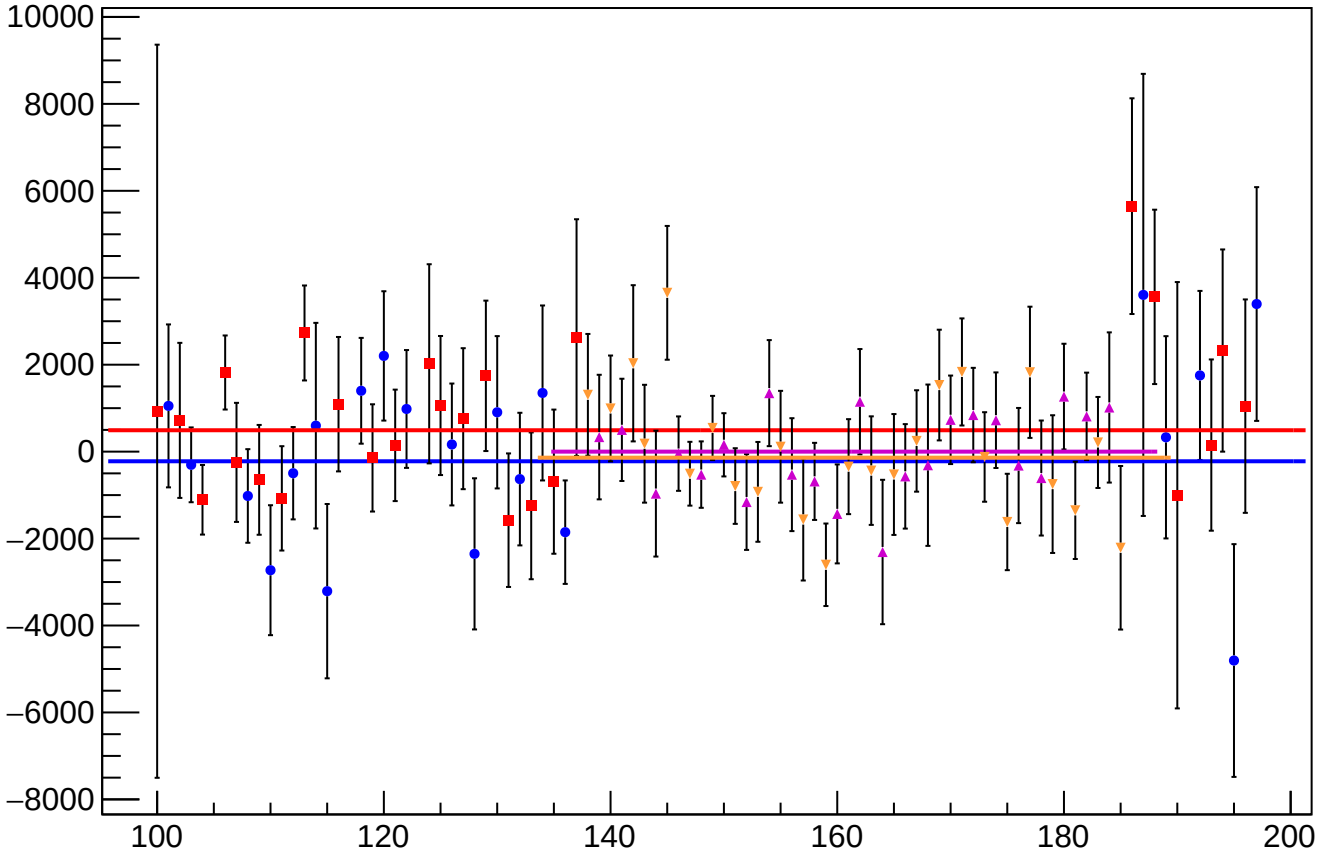
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.709+/-0.211 χ^2/NDF: 675312.3/45

All: 1625.528+/-0.149 χ^2/NDF: 829444.3/93

- sign 1626.345+/-0.211 χ^2/NDF: 154101.8/47

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -221.779+/-328.904 χ^2/NDF: 22.4/20

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 491.928+/-297.878 χ^2/NDF: 26.5/24

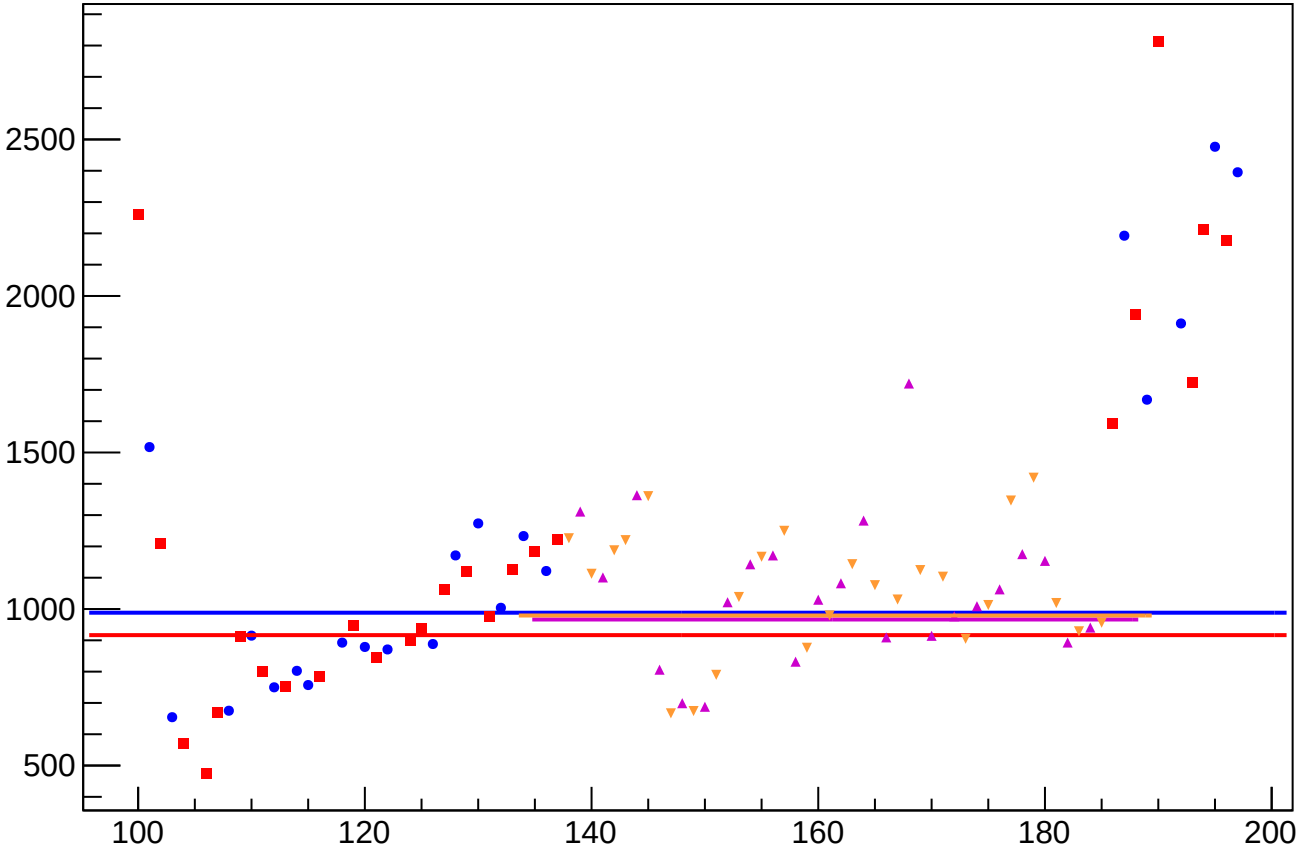
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -166.061+/-188.004 χ^2/NDF: 52.6/45

All: 14.573+/-131.129 χ^2/NDF: 95.5/93

- sign 185.696+/-182.988 χ^2/NDF: 41.1/47

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 988.229+/-0.233 χ^2/NDF: 2852873.7/20

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

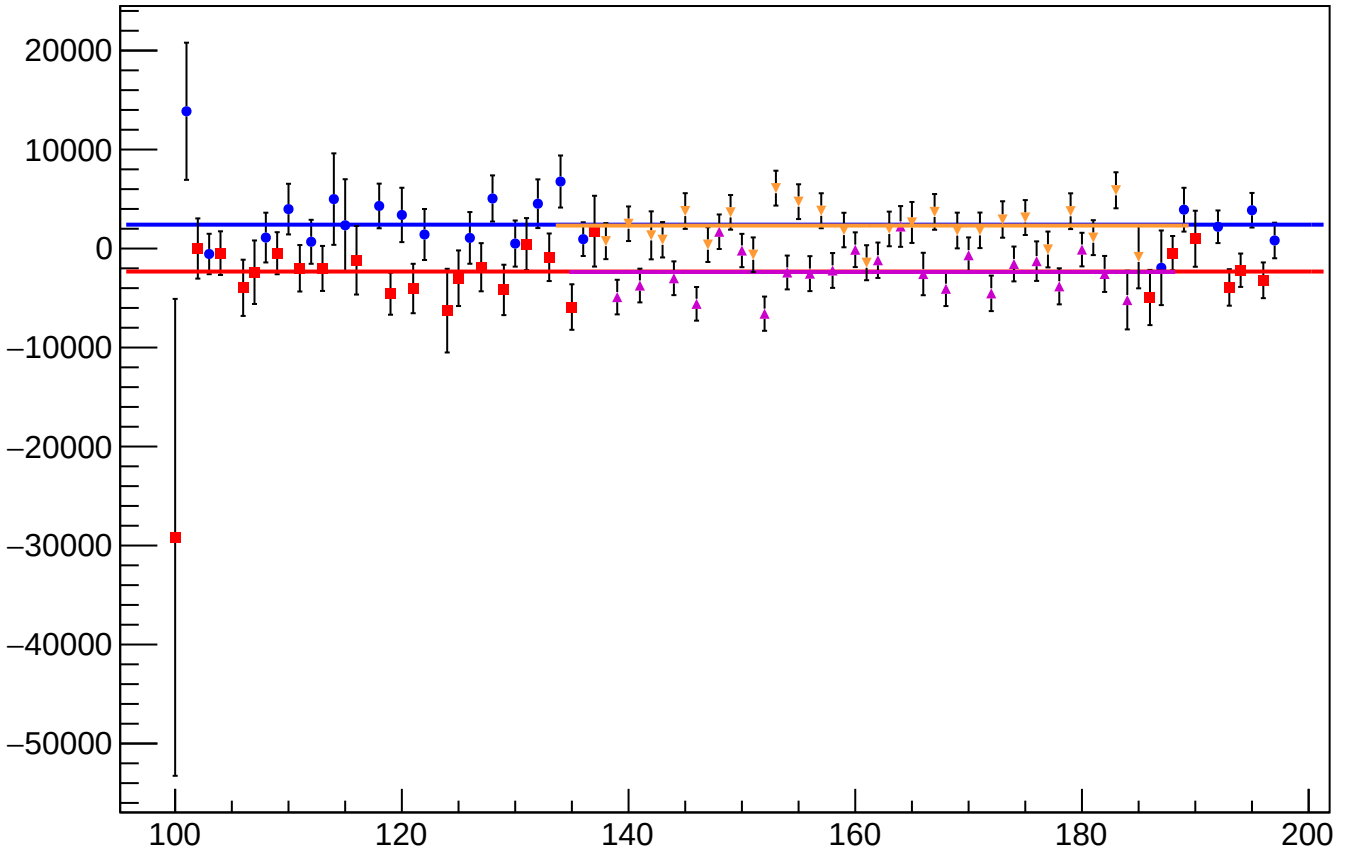
Right Out: 916.597+/-0.211 χ^2/NDF: 3775494.8/24

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 982.214+/-0.133 χ^2/NDF: 4484490.5/45

All: 964.482+/-0.093 χ^2/NDF: 9932210.9/93

- sign 947.684+/-0.129 χ^2/NDF: 5413076.5/47



Right In: 2412.204+/-513.113 χ^2/NDF: 17.1/20

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2322.877+/-486.277 χ^2/NDF: 16.5/24

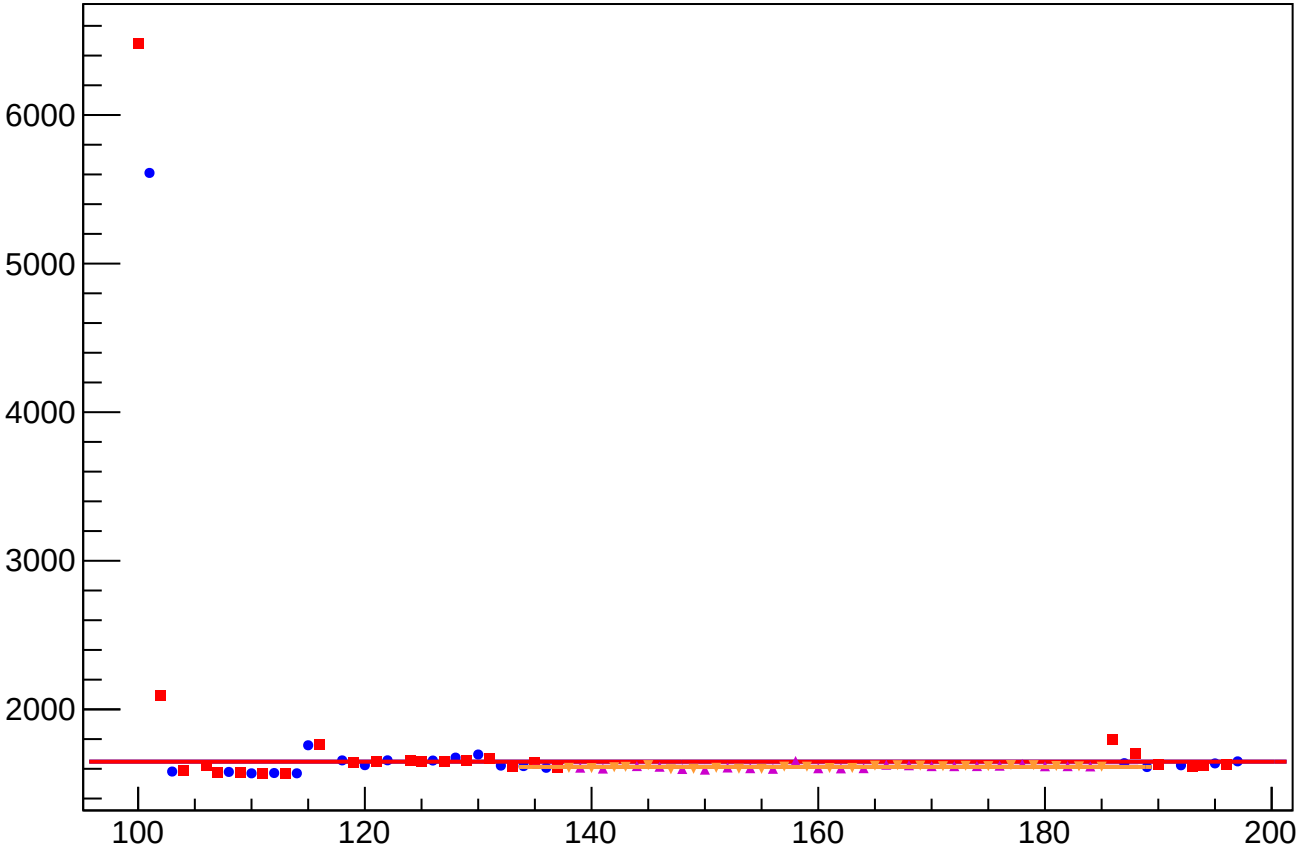
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2351.805+/-298.129 χ^2/NDF: 44.7/45

All: -2.703+/-210.709 χ^2/NDF: 219.5/93

- sign -2352.758+/-297.847 χ^2/NDF: 50.2/47

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.455+/-0.363 χ^2/NDF: 667673.0/20

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

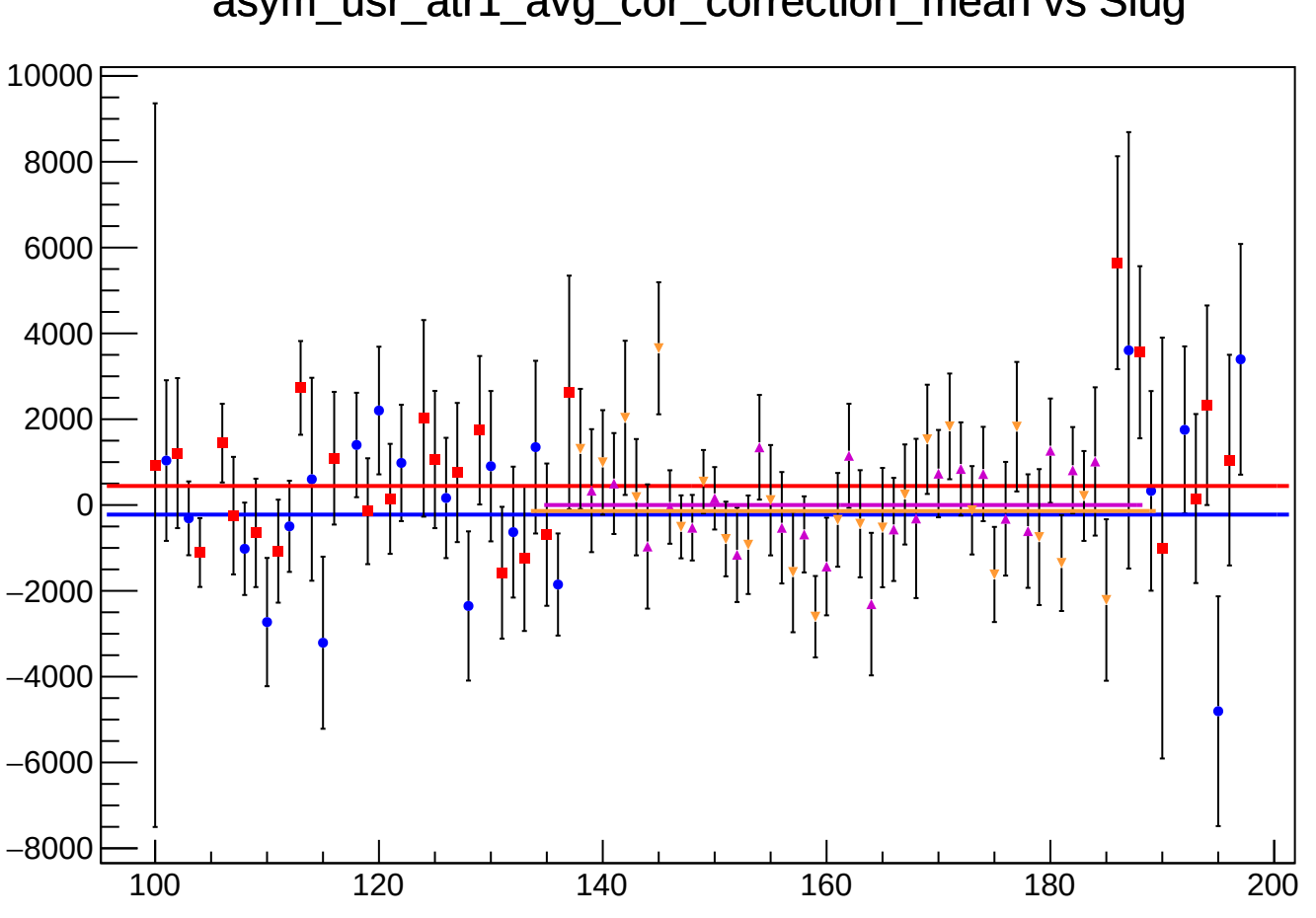
Right Out: 1648.061+/-0.344 χ^2/NDF: 145270.5/24

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.709+/-0.211 χ^2/NDF: 675311.8/45

All: 1625.680+/-0.149 χ^2/NDF: 829185.3/93

- sign 1626.649+/-0.211 χ^2/NDF: 153831.1/47



Right In: -223.022+/-328.864 χ^2/NDF: 22.4/20

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

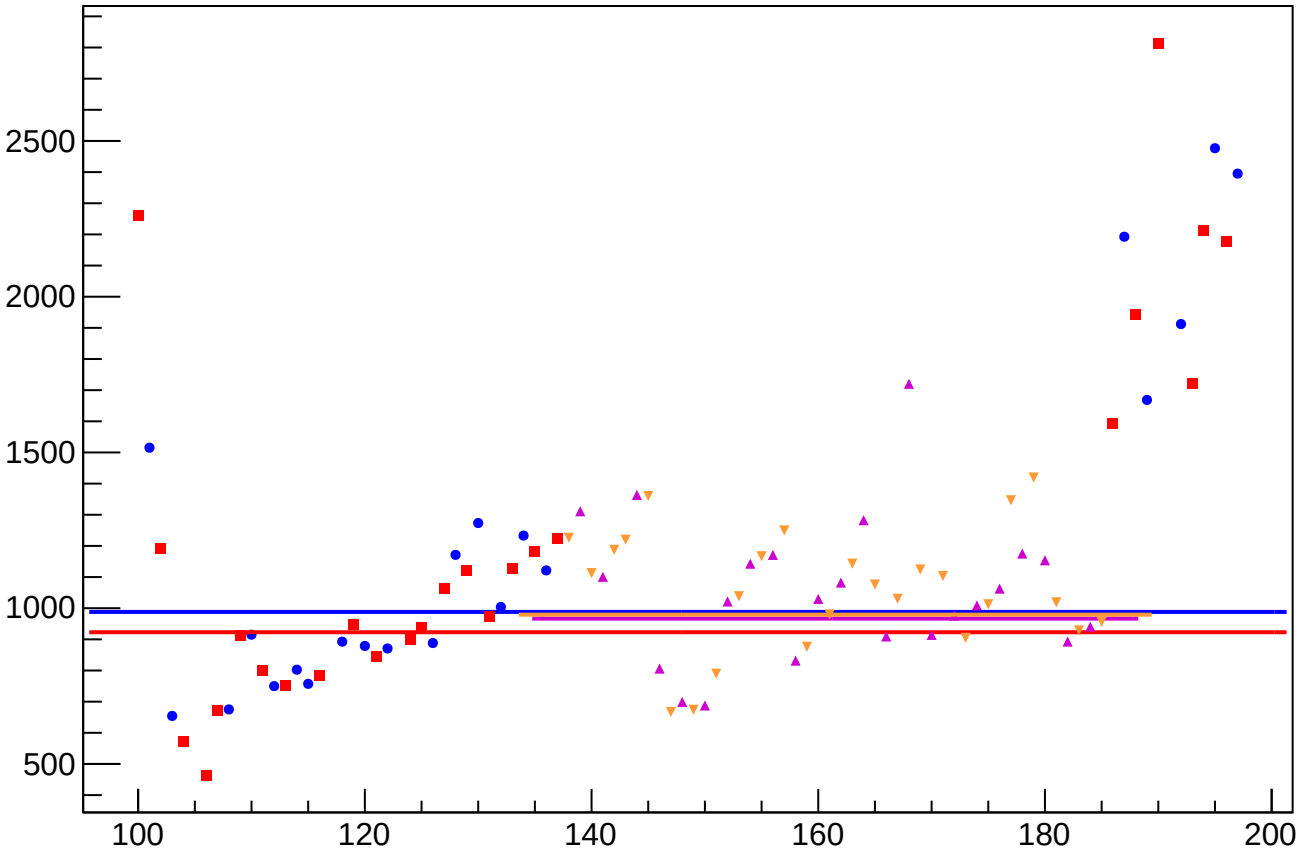
Right Out: 443.866+/-300.265 χ^2/NDF: 25.3/24

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -166.507+/-187.996 χ^2/NDF: 52.6/45

All: 3.677+/-131.329 χ^2/NDF: 93.7/93

- sign 165.883+/-183.538 χ^2/NDF: 39.5/47



Right In: 988.113+/-0.233 χ^2/NDF: 2853023.9/20

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

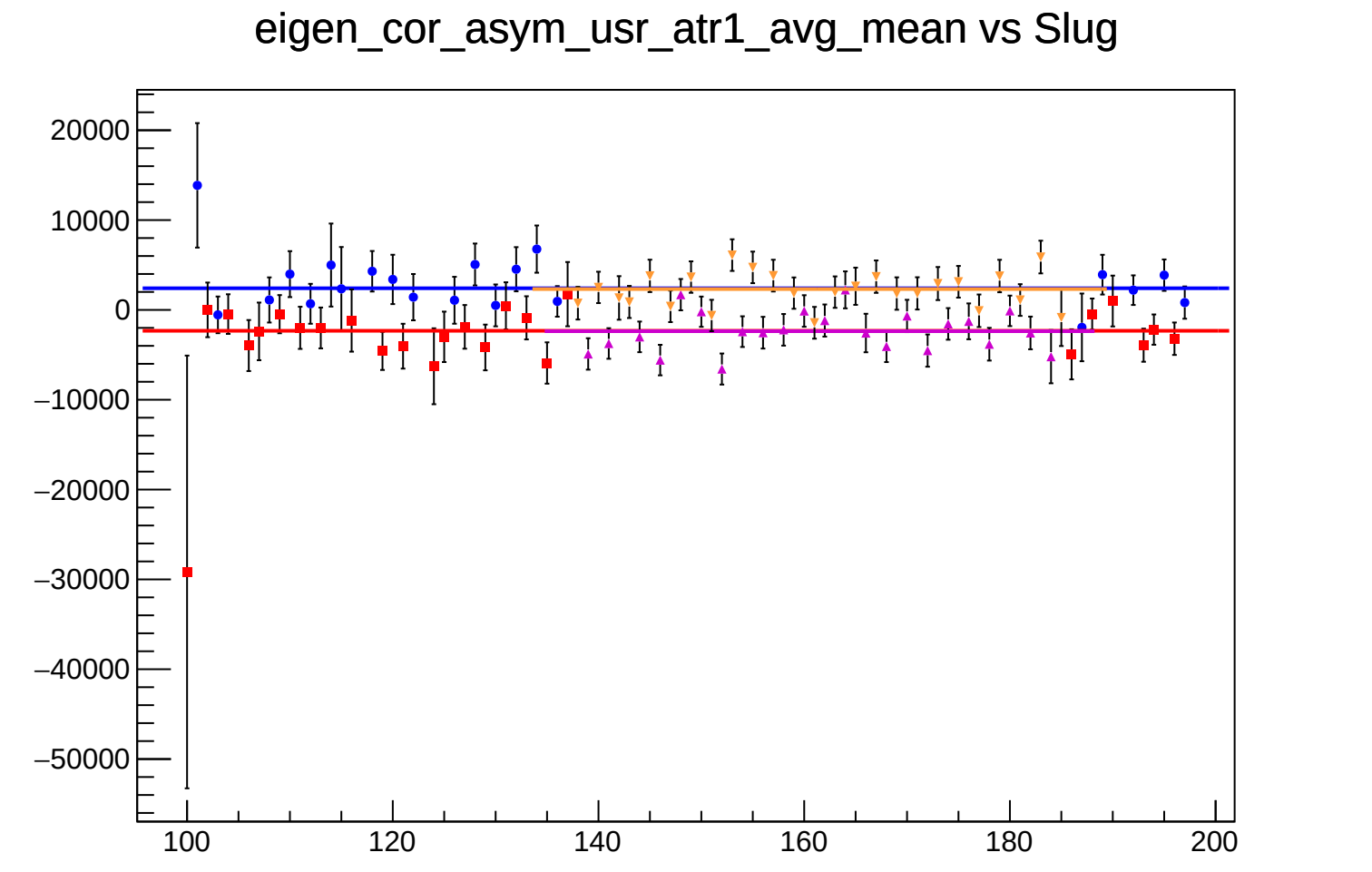
Right Out: 922.851+/-0.212 χ^2/NDF: 3718507.8/24

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 982.172+/-0.133 χ^2/NDF: 4484724.7/45

All: 965.808+/-0.093 χ^2/NDF: 9861901.5/93

- sign 950.211+/-0.130 χ^2/NDF: 5347580.4/47



Right In: 2412.204+/-513.113 χ^2/NDF: 17.1/20

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2322.877+/-486.277 χ^2/NDF: 16.5/24

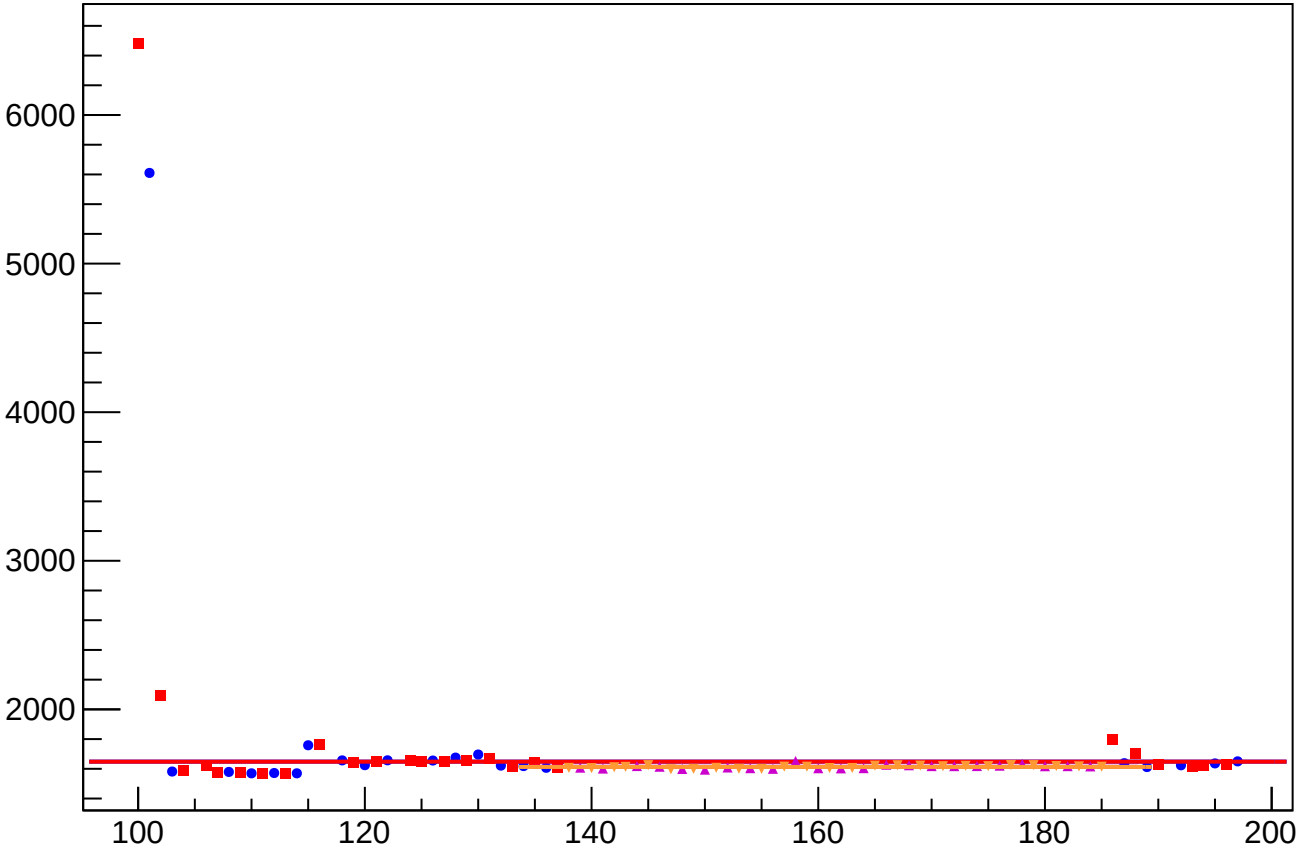
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2351.805+/-298.129 χ^2/NDF: 44.7/45

All: -2.703+/-210.709 χ^2/NDF: 219.5/93

- sign -2352.758+/-297.847 χ^2/NDF: 50.2/47

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.455+/-0.363 χ^2/NDF: 667673.0/20

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

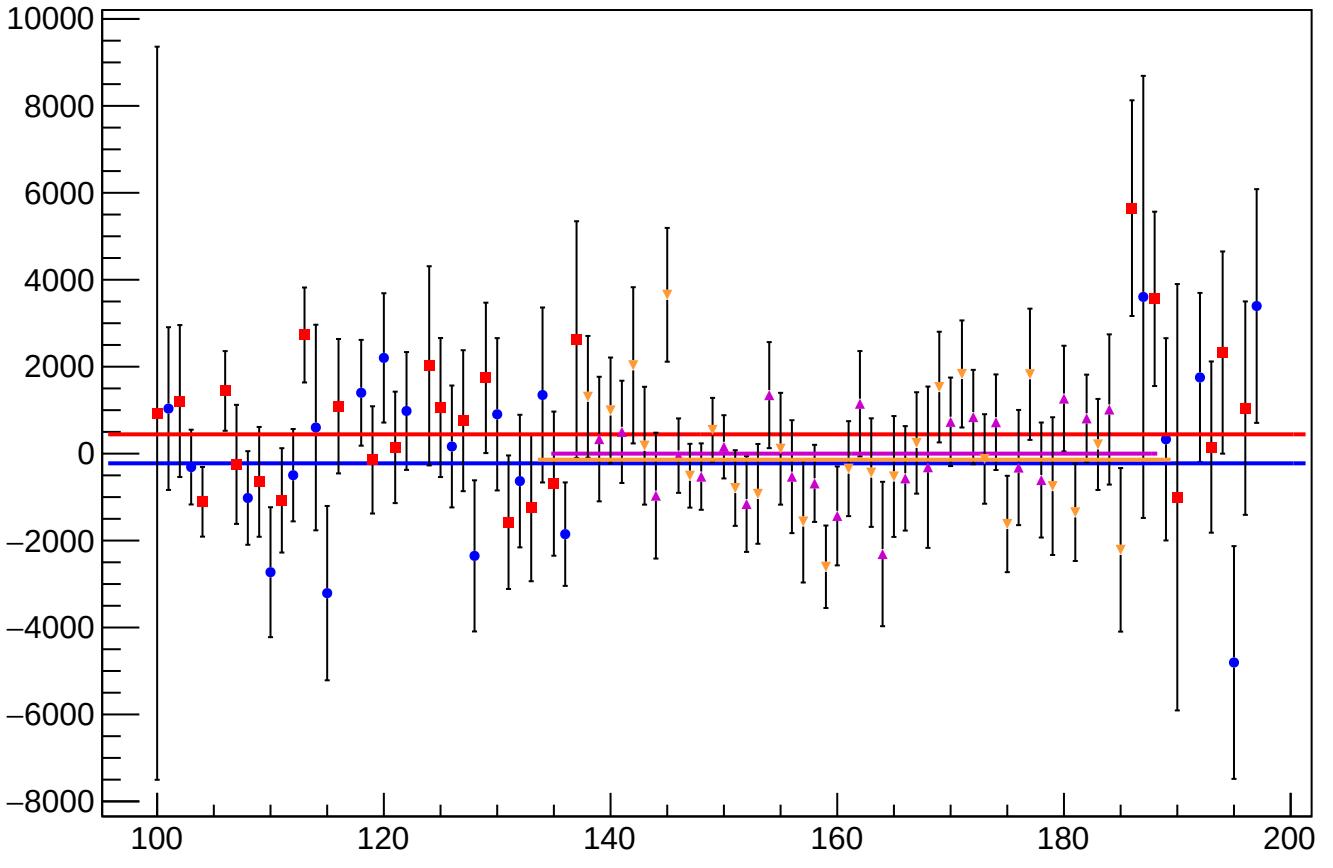
Right Out: 1648.061+/-0.344 χ^2/NDF: 145270.5/24

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.709+/-0.211 χ^2/NDF: 675311.8/45

All: 1625.680+/-0.149 χ^2/NDF: 829185.3/93

- sign 1626.649+/-0.211 χ^2/NDF: 153831.1/47



Right In: -223.022+/-328.864 χ^2/NDF: 22.4/20

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

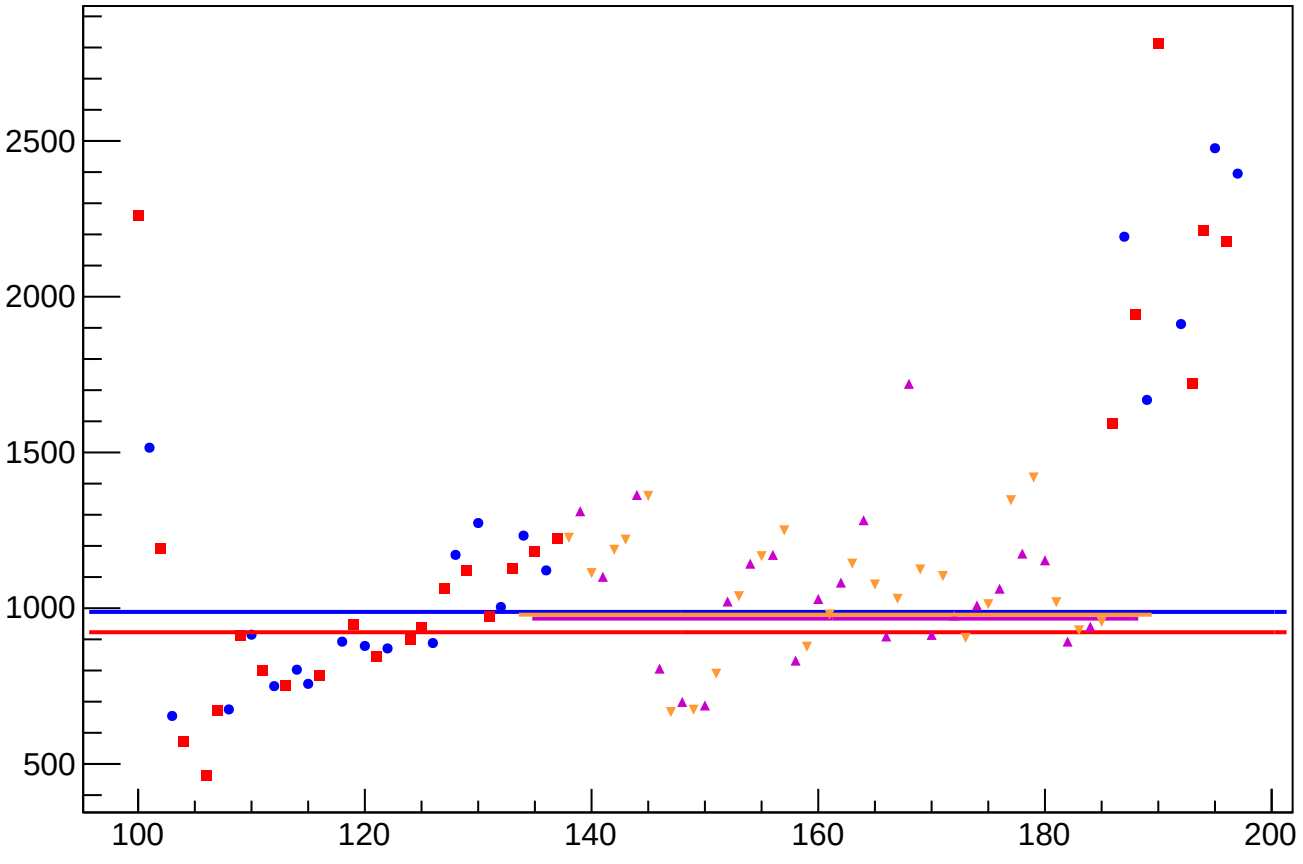
Right Out: 443.866+/-300.265 χ^2/NDF: 25.3/24

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -166.507+/-187.996 χ^2/NDF: 52.6/45

All: 3.677+/-131.329 χ^2/NDF: 93.7/93

- sign 165.883+/-183.538 χ^2/NDF: 39.5/47



Right In: 988.113+/-0.233 χ^2/NDF: 2853023.9/20

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

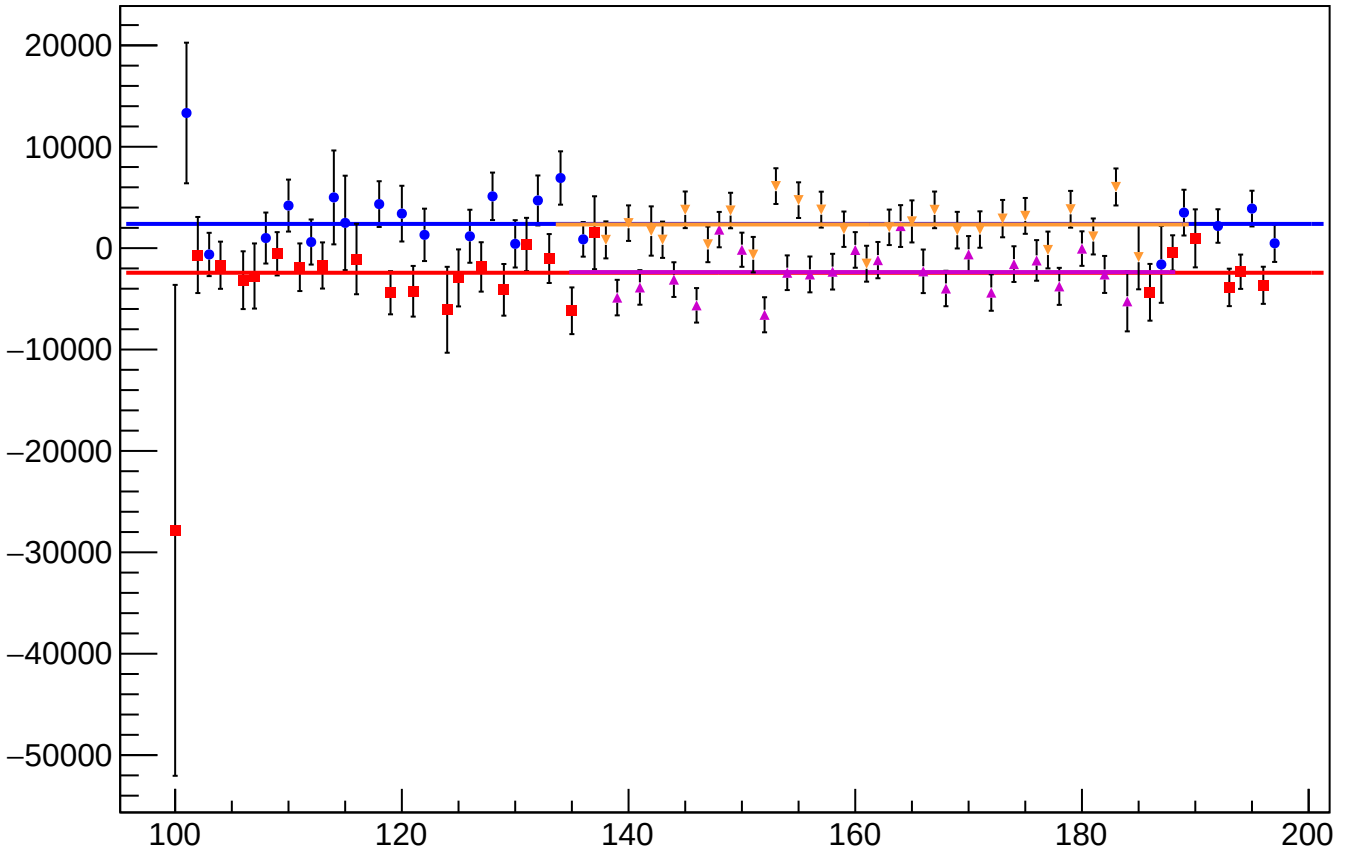
Right Out: 922.851+/-0.212 χ^2/NDF: 3718507.8/24

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 982.172+/-0.133 χ^2/NDF: 4484724.7/45

All: 965.808+/-0.093 χ^2/NDF: 9861901.5/93

- sign 950.211+/-0.130 χ^2/NDF: 5347580.4/47



Right In: 2390.297+/-517.228 χ^2/NDF: 17.4/20

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2427.776+/-491.317 χ^2/NDF: 14.8/24

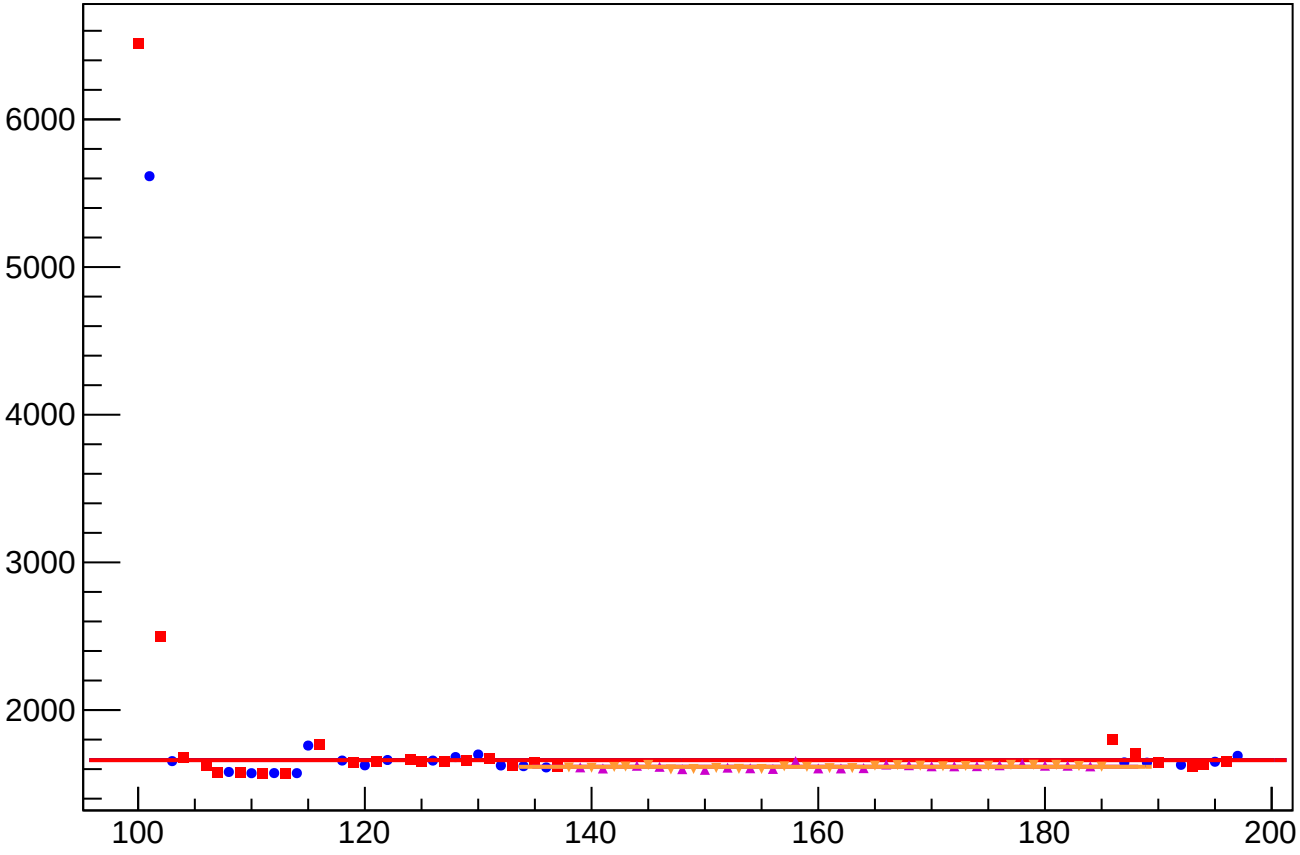
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2353.410+/-299.304 χ^2/NDF: 45.7/45

All: -16.040+/-211.636 χ^2/NDF: 219.8/93

- sign -2385.332+/-299.294 χ^2/NDF: 48.8/47

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1661.591+/-0.366 χ^2/NDF: 664531.3/20

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1660.705+/-0.347 χ^2/NDF: 201481.1/24

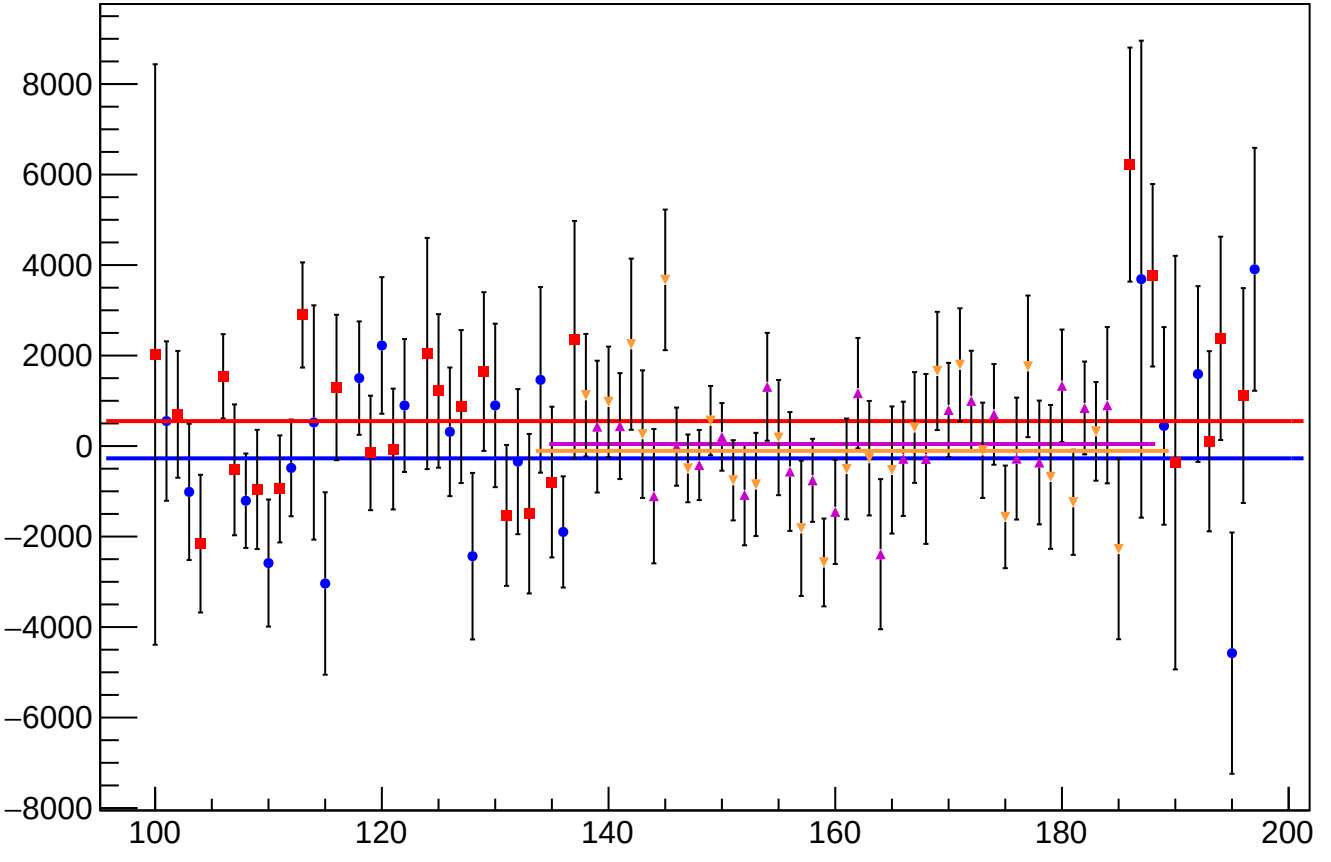
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1631.022+/-0.212 χ^2/NDF: 676481.0/45

All: 1631.919+/-0.150 χ^2/NDF: 890802.2/93

- sign 1632.816+/-0.212 χ^2/NDF: 214285.3/47

asym_usr_atr1_avg_dit_correction_mean vs Slug



Right In: -271.519+/-349.708 χ^2/NDF: 22.4/20

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 551.513+/-321.244 χ^2/NDF: 26.0/24

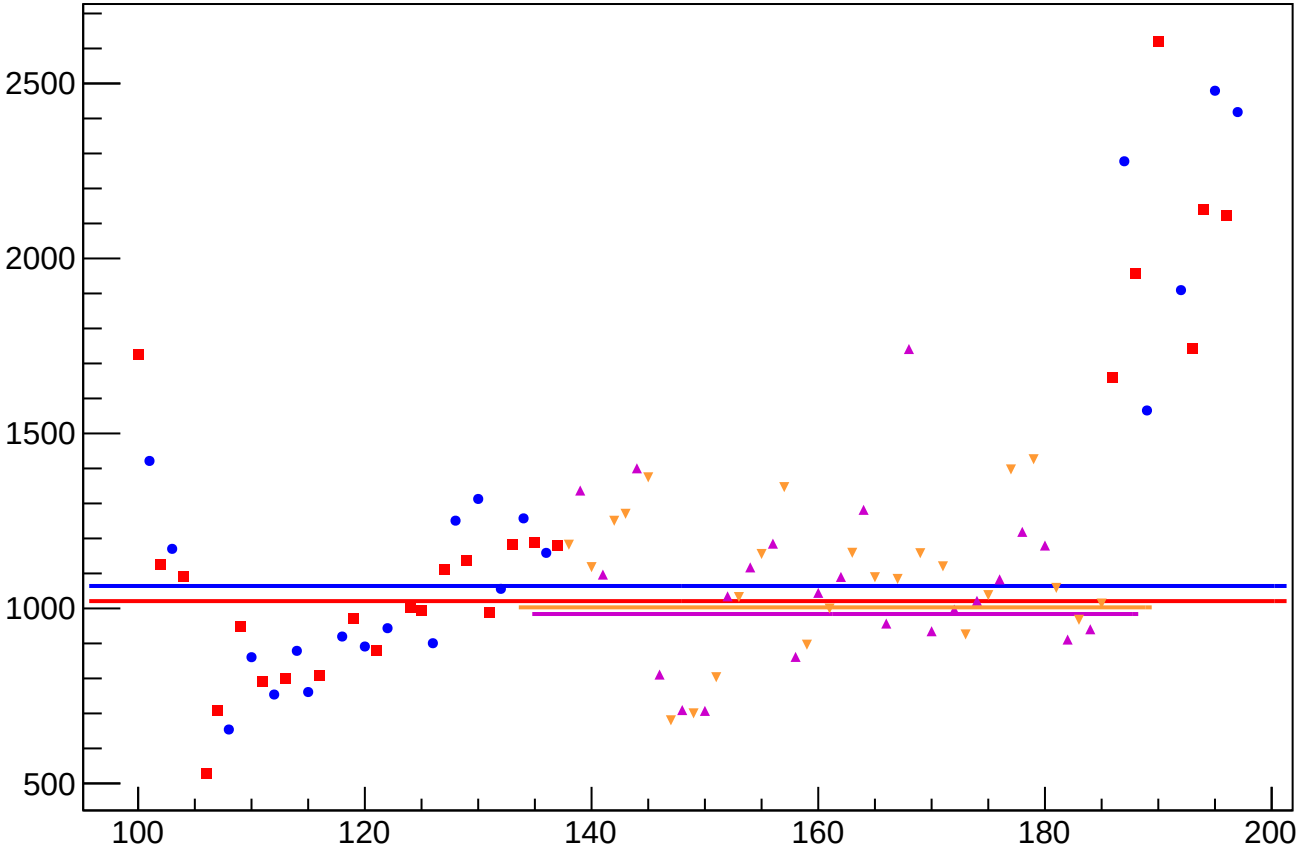
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -157.515+/-194.654 χ^2/NDF: 51.6/45

All: 36.750+/-135.985 χ^2/NDF: 94.0/93

- sign 221.938+/-190.053 χ^2/NDF: 40.4/47

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1064.153+/-0.247 χ^2/NDF: 2511472.3/20

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

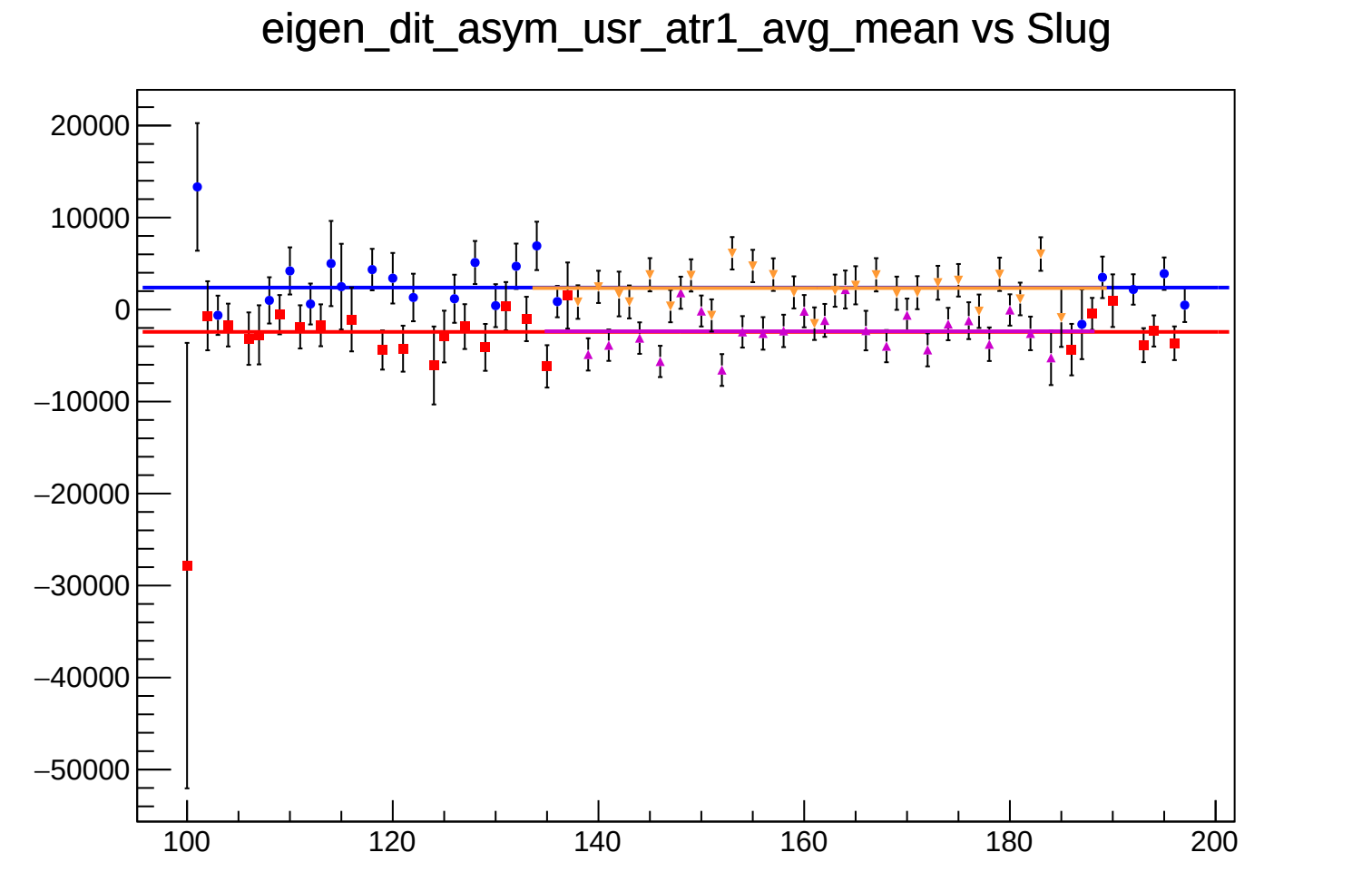
Right Out: 1020.928+/-0.227 χ^2/NDF: 2956507.0/24

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

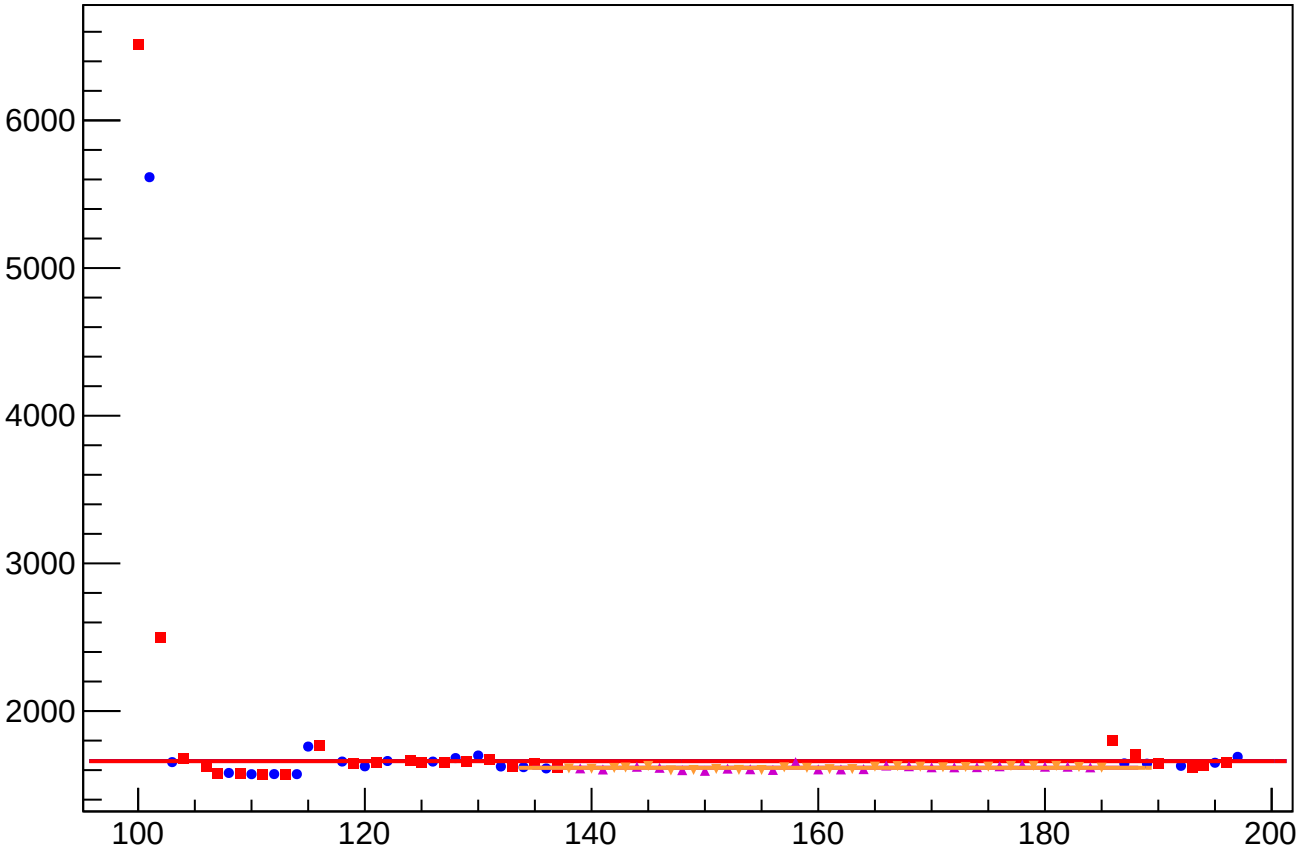
+ sign 1022.016+/-0.138 χ^2/NDF: 4151958.2/45

All: 1009.188+/-0.096 χ^2/NDF: 8702121.5/93

- sign 996.960+/-0.134 χ^2/NDF: 4533197.6/47


eigen_dit_asym_usr_atr1_avg_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 2390.296+/-517.228 χ²/NDF: 17.4/20
Left Out: 2334.839+/-366.991 χ²/NDF:28.3/24
Right Out: -2427.774+/-491.316 χ²/NDF: 14.8/24
Left In: -2360.289+/-377.400 χ²/NDF:34.0/22
+ sign 2353.409+/-299.304 χ²/NDF: 45.7/45
All: -16.040+/-211.636 χ²/NDF: 219.8/93
- sign -2385.331+/-299.294 χ²/NDF: 48.8/47

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1661.590+/-0.366 χ^2/NDF: 664531.3/20

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

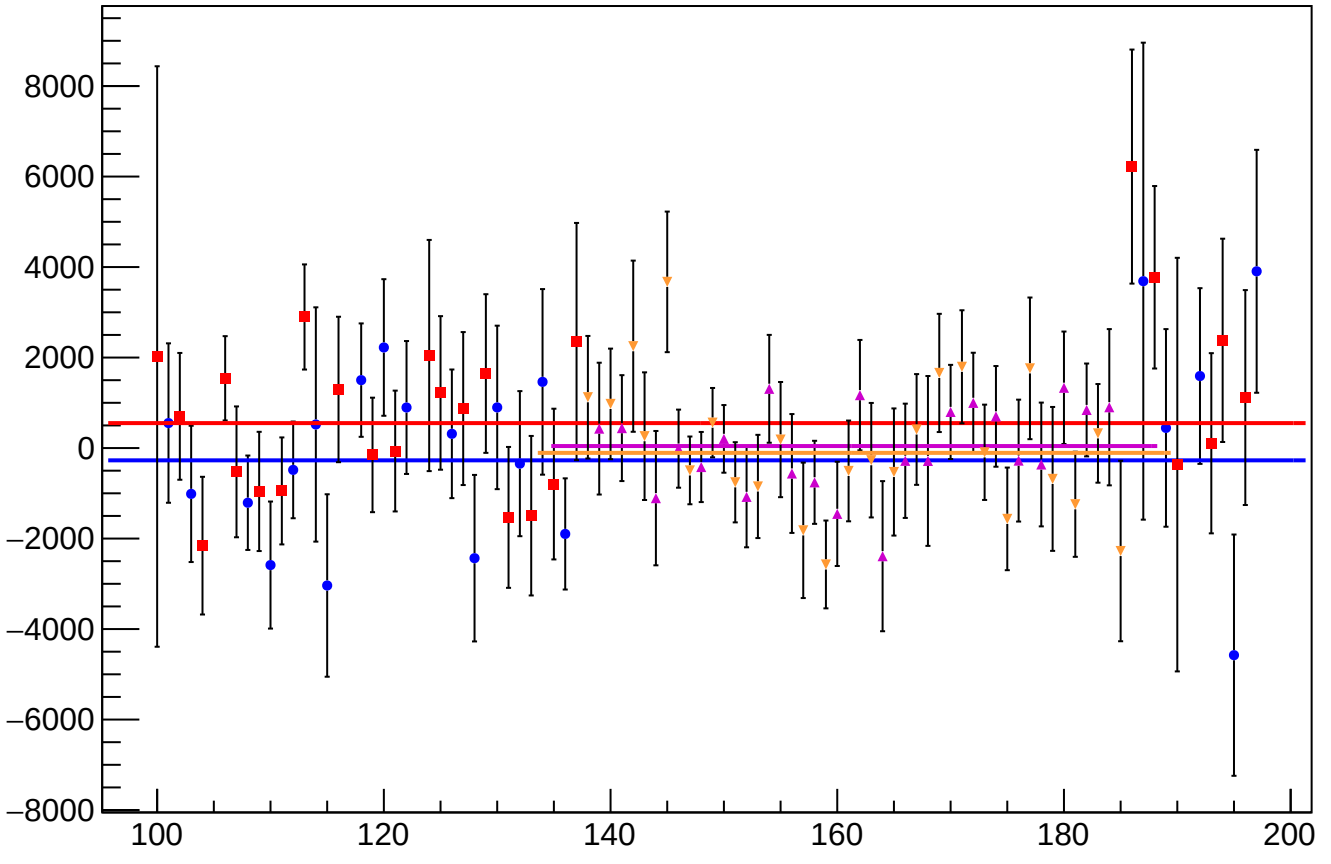
Right Out: 1660.705+/-0.347 χ^2/NDF: 201481.0/24

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1631.022+/-0.212 χ^2/NDF: 676480.9/45

All: 1631.919+/-0.150 χ^2/NDF: 890802.0/93

- sign 1632.816+/-0.212 χ^2/NDF: 214285.1/47



Right In: -271.519+/-349.707 χ^2/NDF: 22.4/20

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

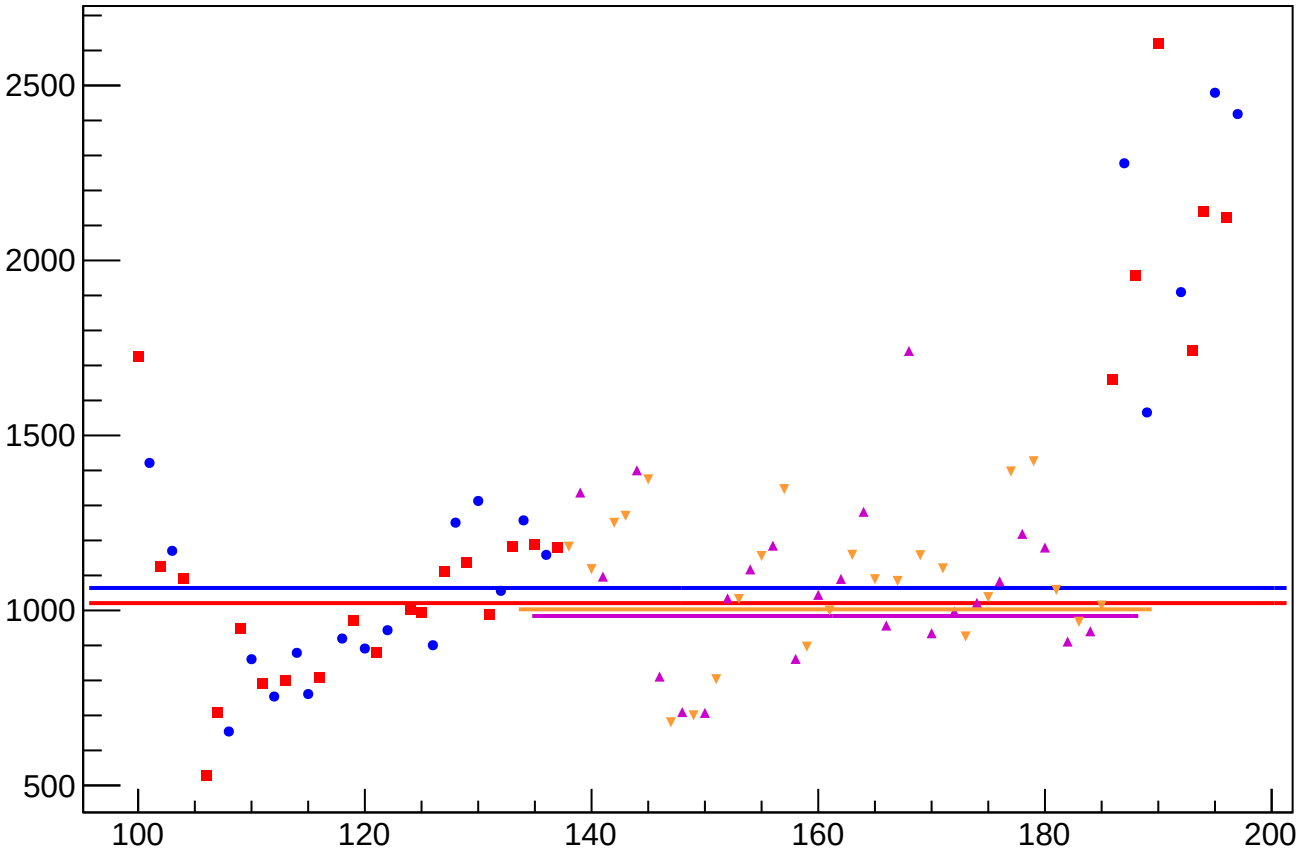
Right Out: 551.510+/-321.243 χ^2/NDF: 26.0/24

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -157.516+/-194.654 χ^2/NDF: 51.6/45

All: 36.749+/-135.985 χ^2/NDF: 94.0/93

- sign 221.938+/-190.053 χ^2/NDF: 40.4/47



Right In: 1064.149+/-0.247 χ^2/NDF: 2511496.1/20

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1020.926+/-0.227 χ^2/NDF: 2956520.5/24

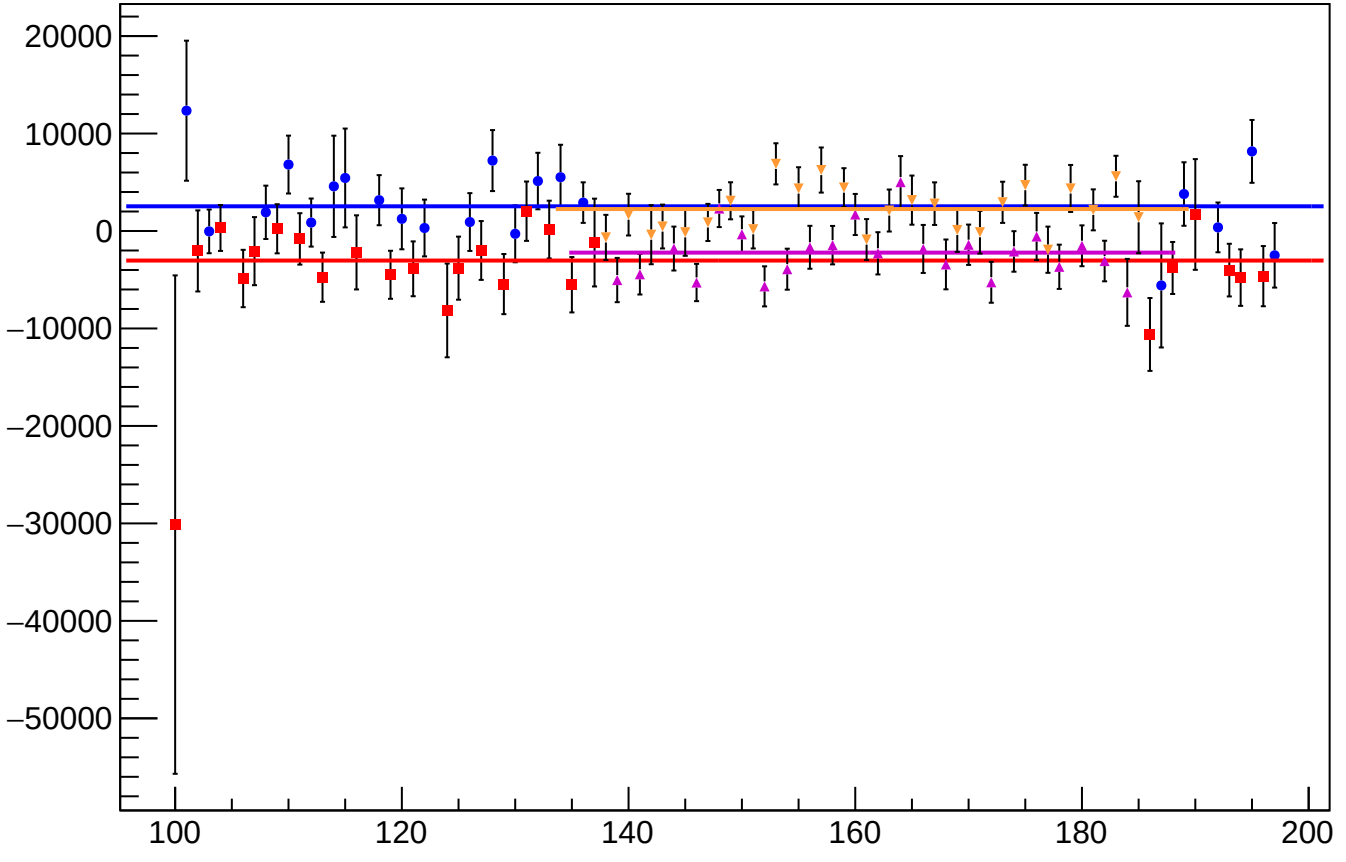
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1022.017+/-0.138 χ^2/NDF: 4151975.5/45

All: 1009.189+/-0.096 χ^2/NDF: 8702149.8/93

- sign 996.960+/-0.134 χ^2/NDF: 4533208.8/47

asym_usr_atr1_avg_mean vs Slug



Right In: 2533.292+/-657.924 χ^2/NDF: 20.0/20

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -3031.388+/-619.266 χ^2/NDF: 19.4/24

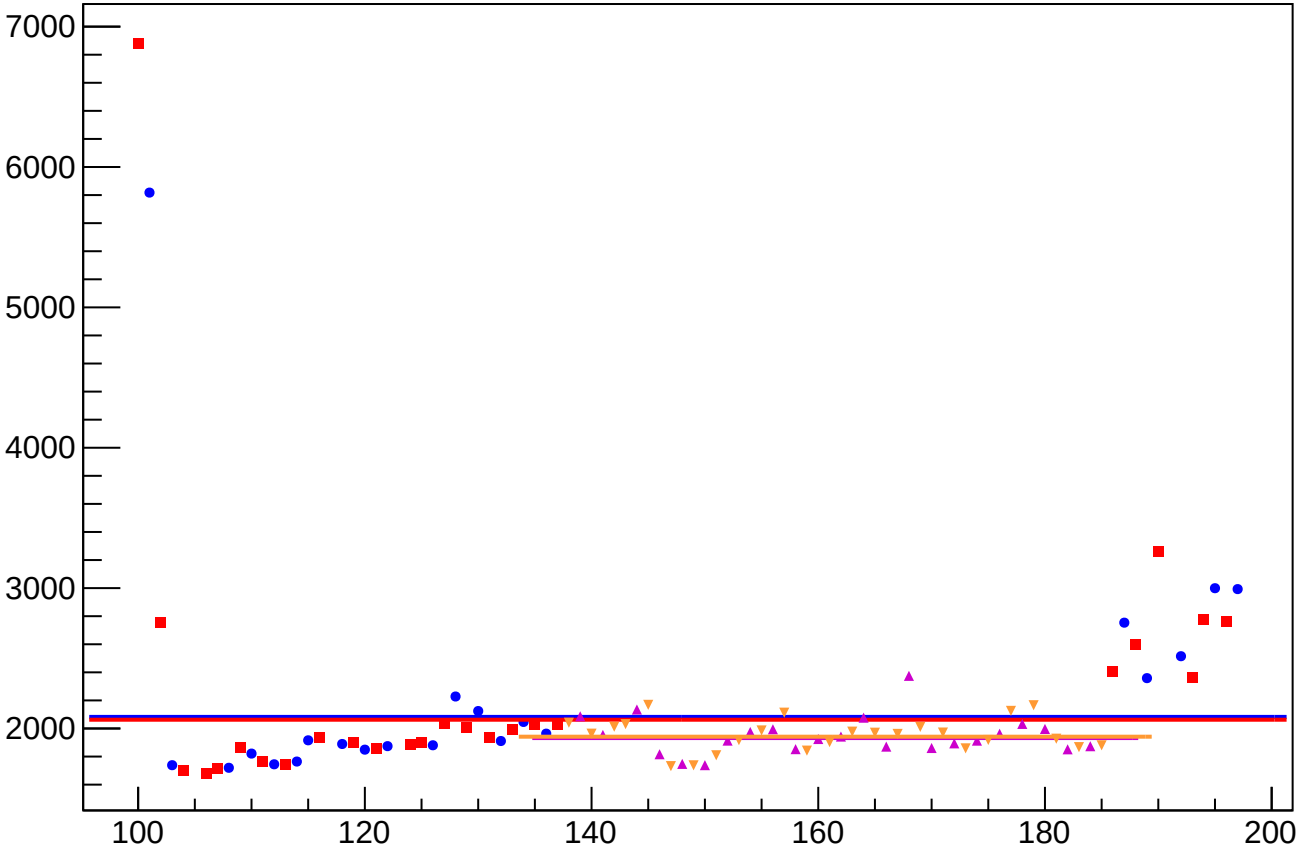
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2339.795+/-367.015 χ^2/NDF: 48.5/45

All: -92.744+/-258.890 χ^2/NDF: 188.0/93

- sign -2501.863+/-365.243 χ^2/NDF: 52.1/47

asym_usr_atr1_avg_rms vs Slug



Right In: 2082.581+/-0.465 χ^2/NDF: 1152758.3/20

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

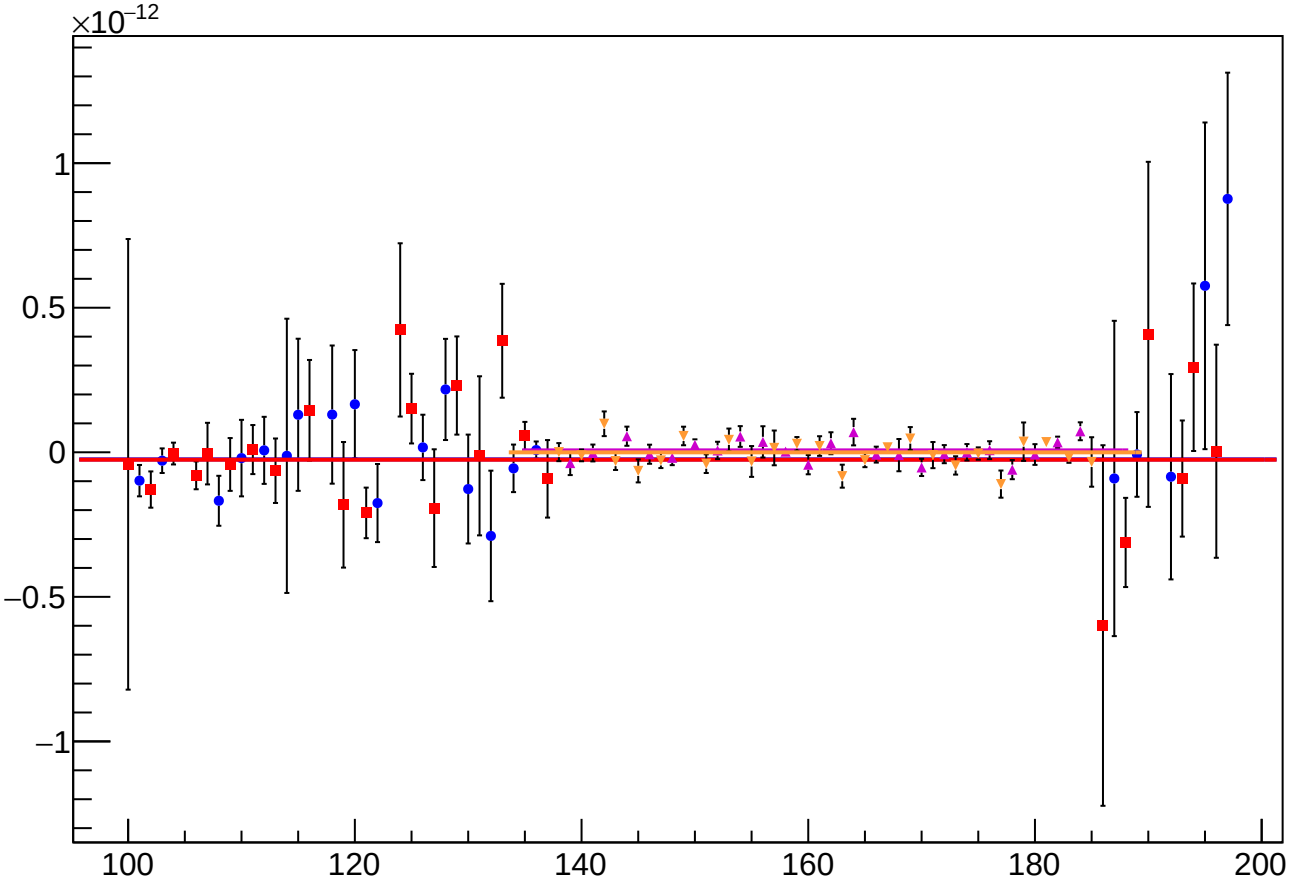
Right Out: 2062.427+/-0.438 χ^2/NDF: 769505.2/24

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1985.459+/-0.260 χ^2/NDF: 1355041.7/45

All: 1981.334+/-0.183 χ^2/NDF: 2342949.5/93

- sign 1977.249+/-0.258 χ^2/NDF: 987405.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

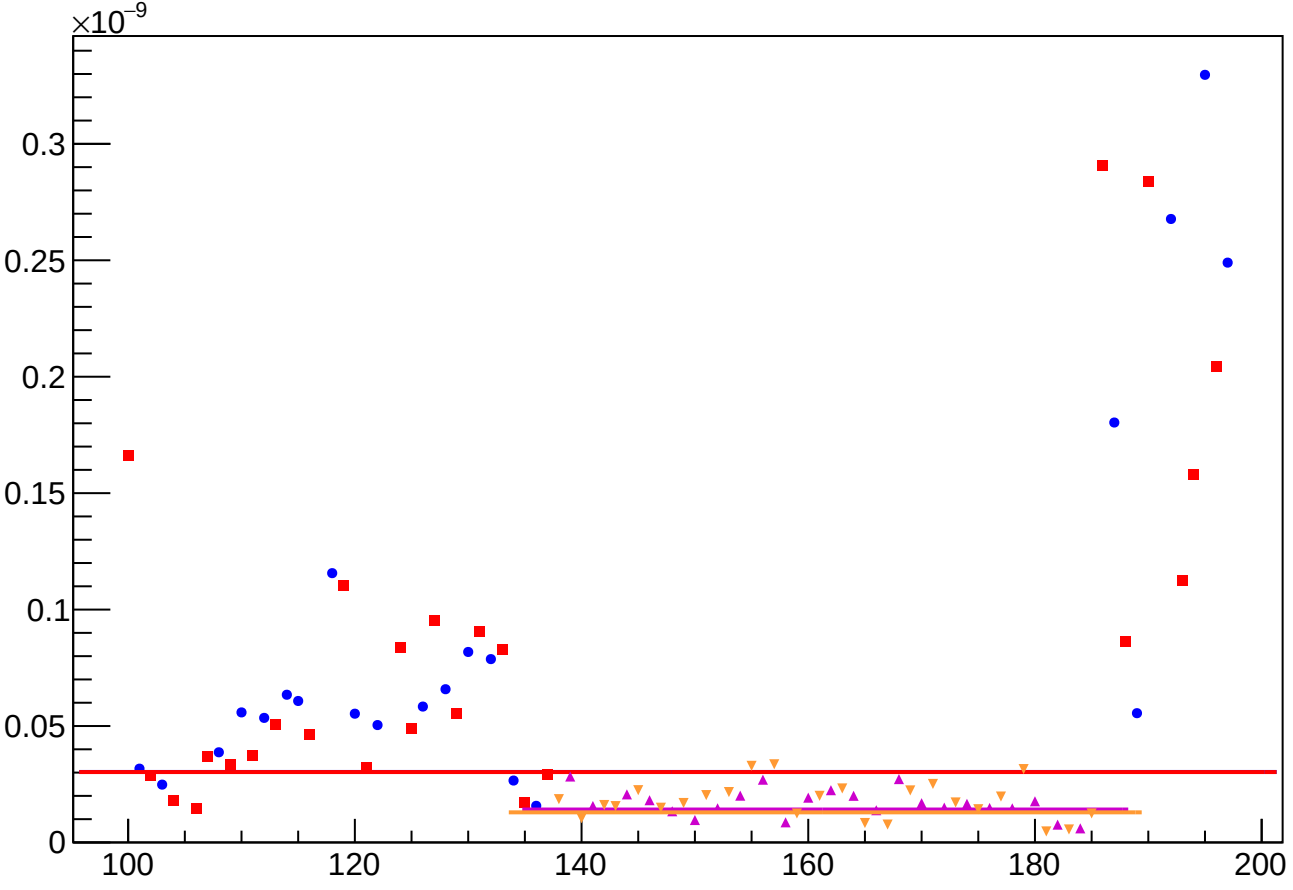
Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/24

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.1/45

All: 0.000+/-0.000 χ^2/NDF: 122.3/93

- sign 0.000+/-0.000 χ^2/NDF: 61.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3682794.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3757125.5/24

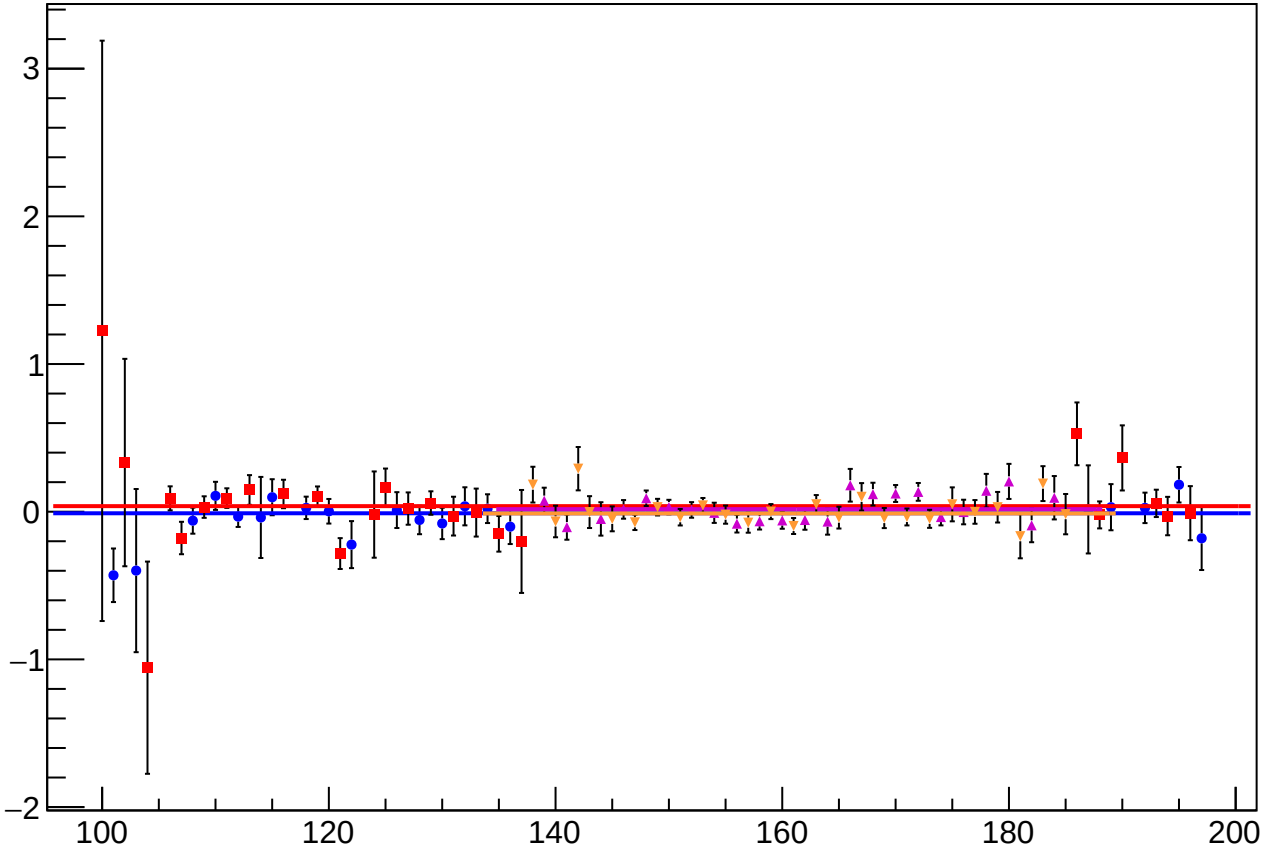
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8048601.8/45

All: 0.000+/-0.000 χ^2/NDF: 14674563.6/93

- sign 0.000+/-0.000 χ^2/NDF: 6574101.9/47

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.025 χ^2/NDF: 15.6/20

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.038+/-0.022 χ^2/NDF: 32.7/24

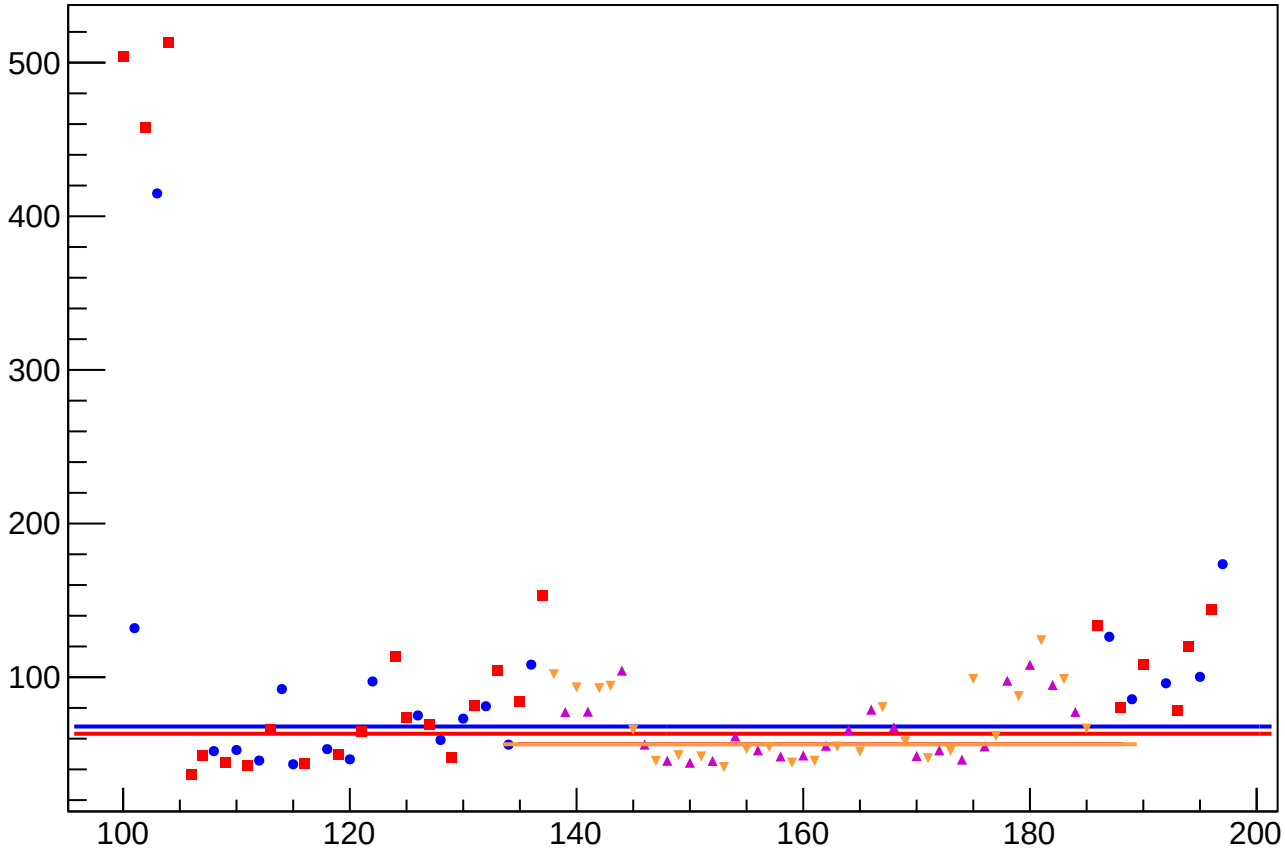
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.011+/-0.012 χ^2/NDF: 37.4/45

All: 0.006+/-0.009 χ^2/NDF: 105.3/93

- sign 0.023+/-0.012 χ^2/NDF: 63.9/47

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 67.909+/-0.017 χ^2/NDF: 2920312.7/20

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

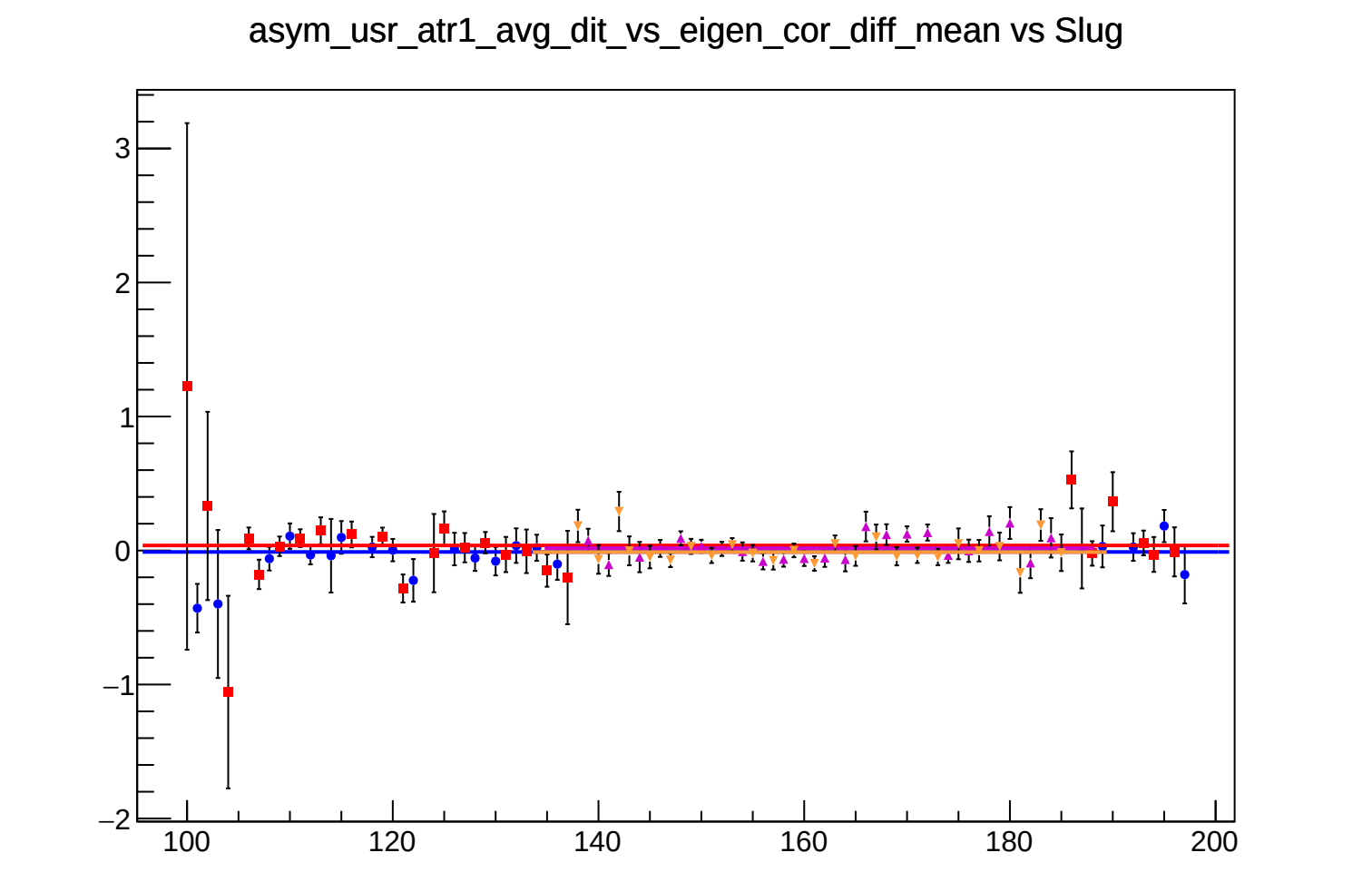
Right Out: 63.196+/-0.016 χ^2/NDF: 3968261.9/24

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

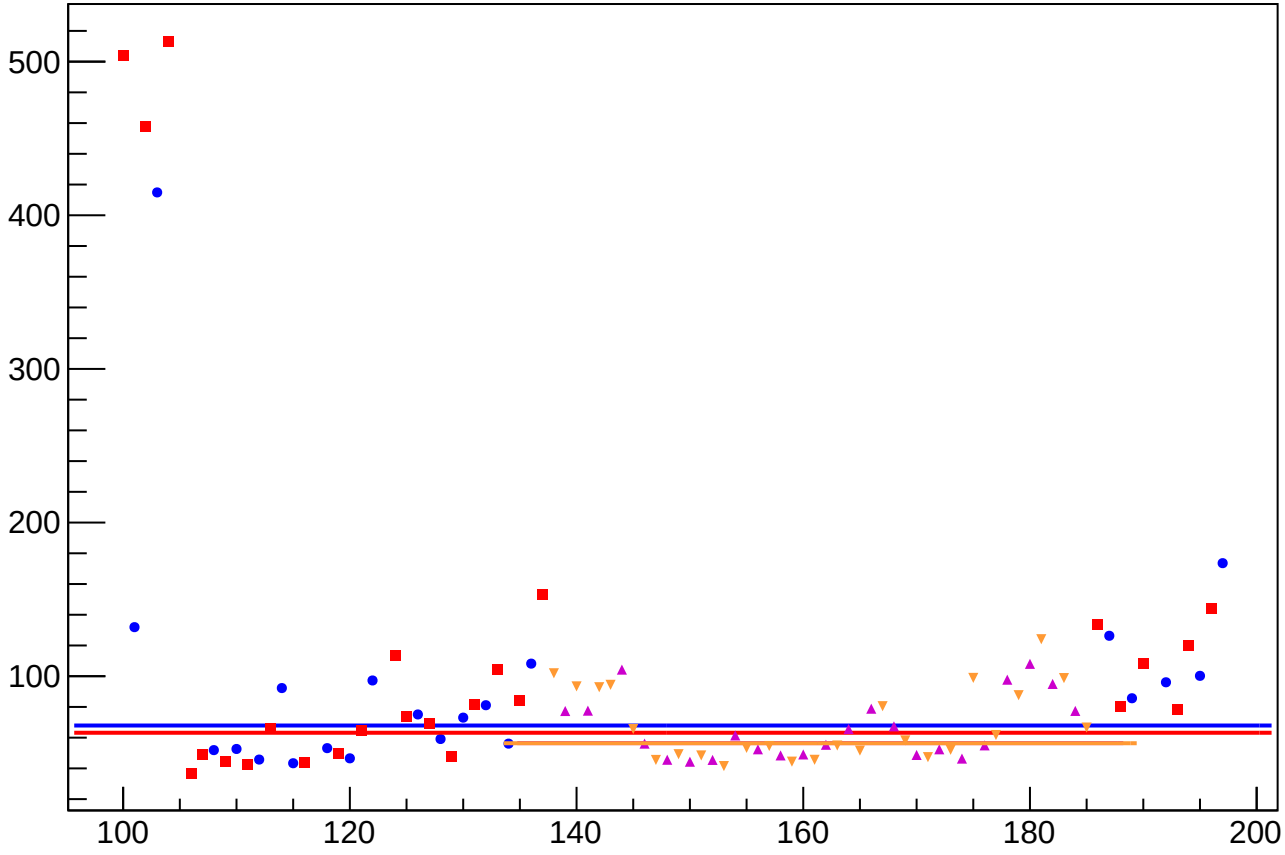
+ sign 59.296+/-0.009 χ^2/NDF: 6046550.1/45

All: 58.876+/-0.006 χ^2/NDF: 12287995.3/93

- sign 58.472+/-0.009 χ^2/NDF: 6236927.8/47


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.011+/-0.025 χ²/NDF: 15.6/20
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: 0.038+/-0.022 χ²/NDF: 32.7/24
Left In: 0.017+/-0.014 χ²/NDF:30.6/22
+ sign -0.011+/-0.012 χ²/NDF: 37.4/45
All: 0.006+/-0.009 χ²/NDF: 105.3/93
- sign 0.023+/-0.012 χ²/NDF: 63.9/47

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.909+/-0.017 χ^2/NDF: 2920312.7/20

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

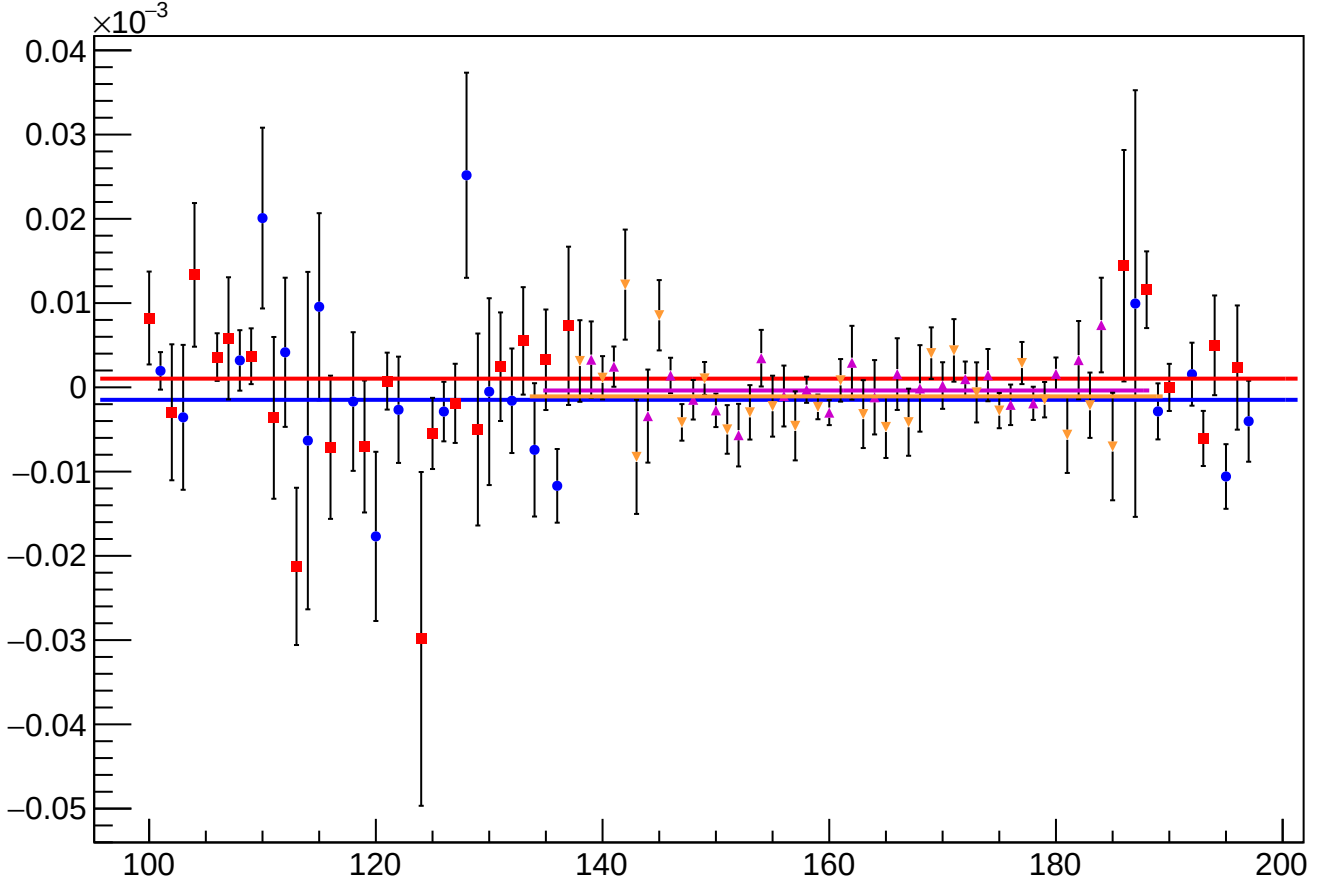
Right Out: 63.196+/-0.016 χ^2/NDF: 3968261.9/24

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 59.296+/-0.009 χ^2/NDF: 6046550.1/45

All: 58.876+/-0.006 χ^2/NDF: 12287995.3/93

- sign 58.472+/-0.009 χ^2/NDF: 6236927.8/47



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

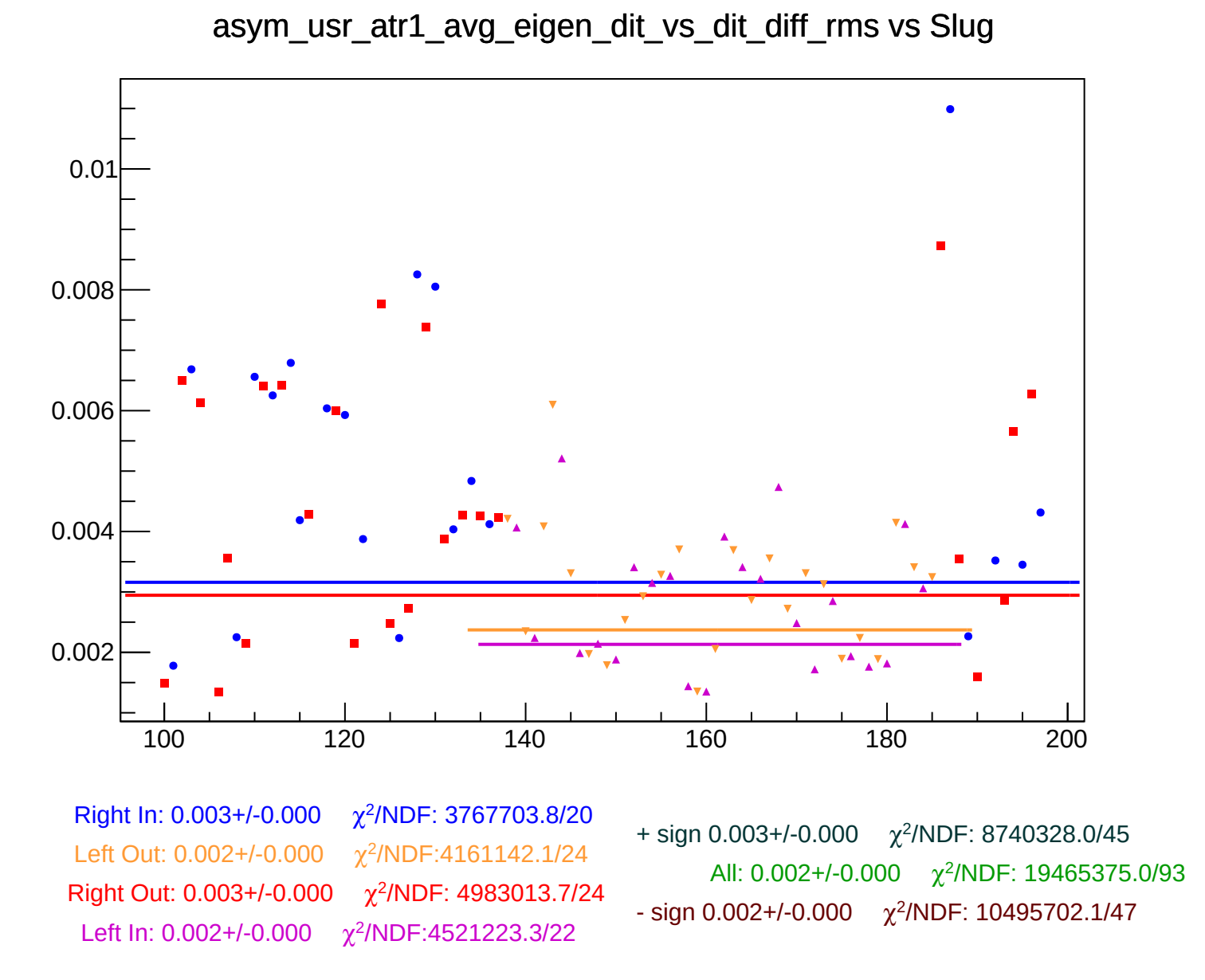
Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/24

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

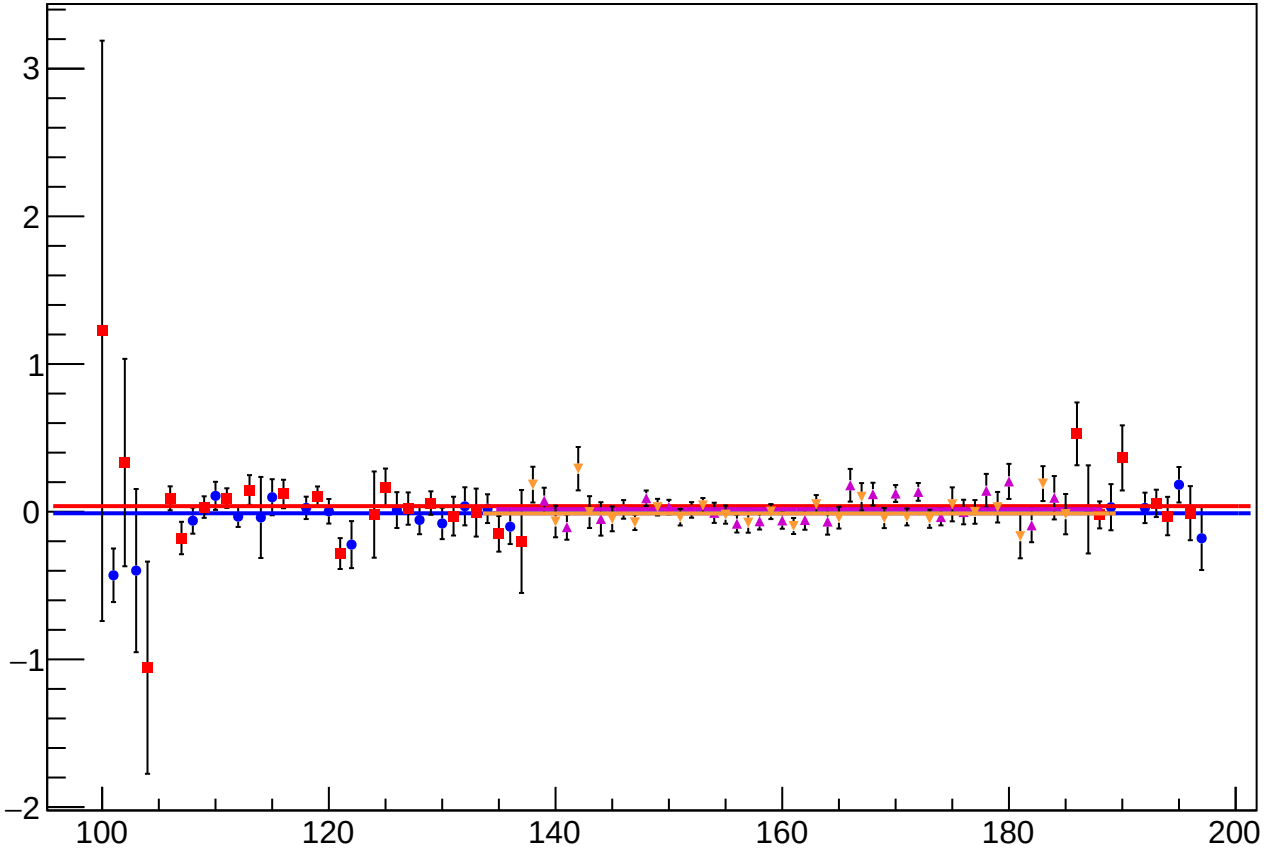
+ sign -0.000+/-0.000 χ^2/NDF: 61.9/45

All: -0.000+/-0.000 χ^2/NDF: 115.4/93

- sign -0.000+/-0.000 χ^2/NDF: 51.1/47


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: 3767703.8/20
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 4983013.7/24
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
+ sign 0.003+/-0.000 χ²/NDF: 8740328.0/45
All: 0.002+/-0.000 χ²/NDF: 19465375.0/93
- sign 0.002+/-0.000 χ²/NDF: 10495702.1/47

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.025 χ^2/NDF: 15.6/20

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.038+/-0.022 χ^2/NDF: 32.7/24

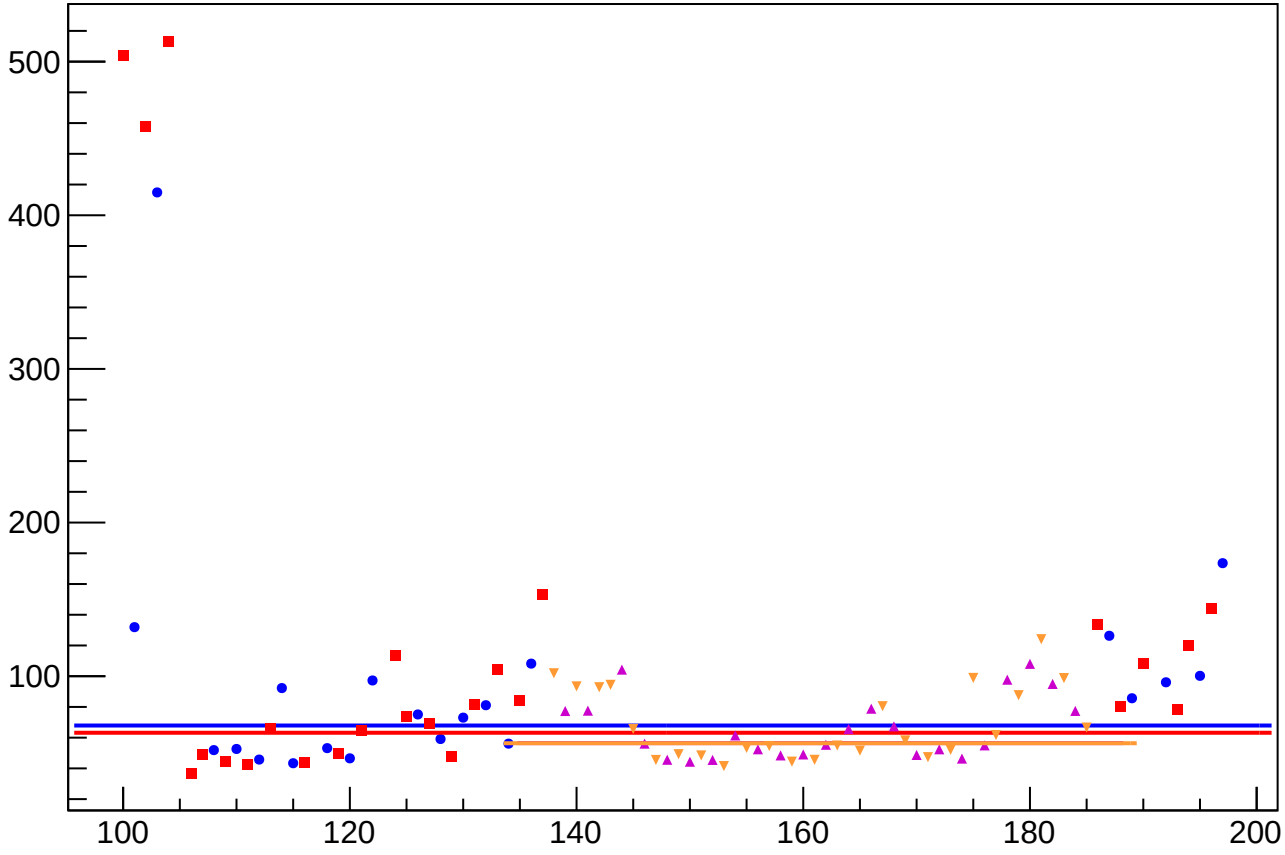
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.011+/-0.012 χ^2/NDF: 37.4/45

All: 0.006+/-0.009 χ^2/NDF: 105.3/93

- sign 0.023+/-0.012 χ^2/NDF: 63.9/47

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.909+/-0.017 χ^2/NDF: 2920286.7/20

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

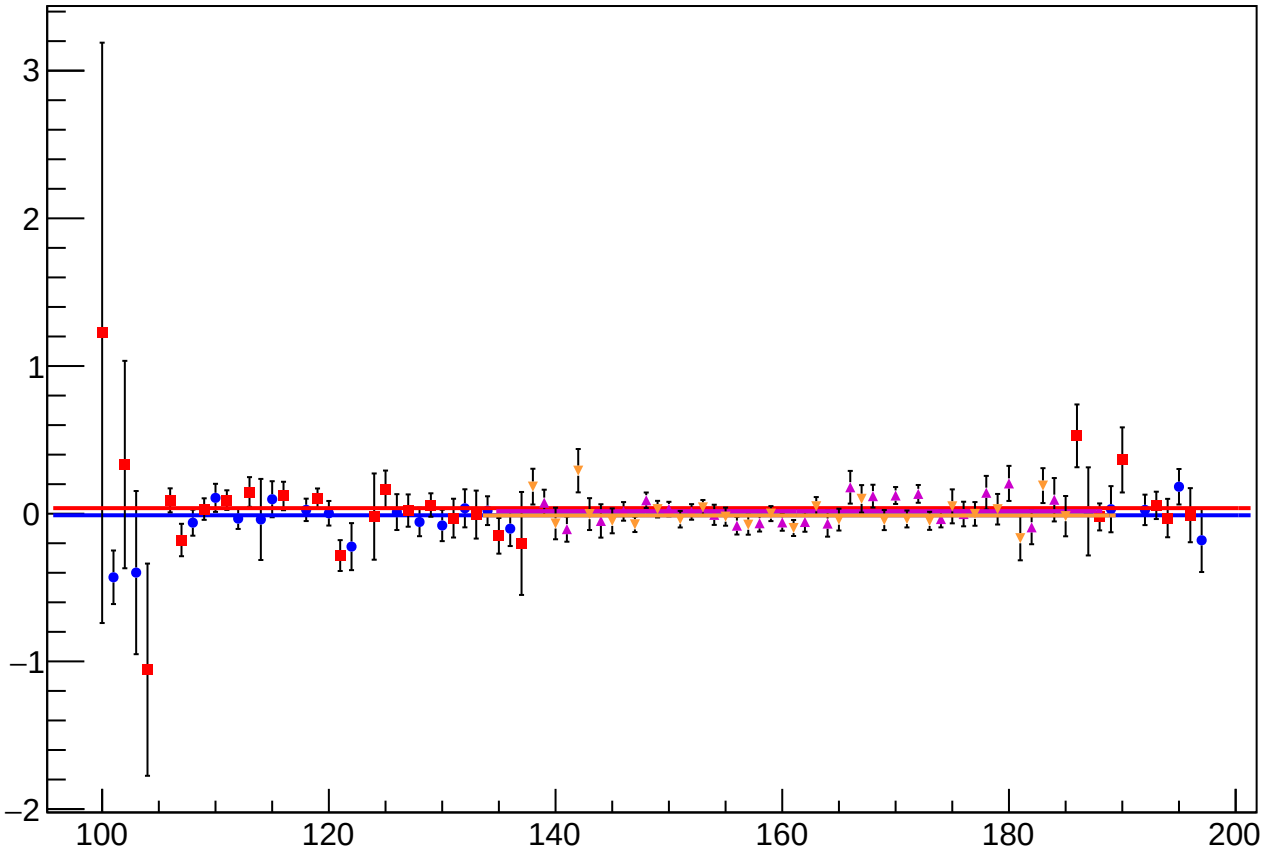
Right Out: 63.195+/-0.016 χ^2/NDF: 3968269.0/24

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 59.296+/-0.009 χ^2/NDF: 6046551.5/45

All: 58.876+/-0.006 χ^2/NDF: 12287956.6/93

- sign 58.472+/-0.009 χ^2/NDF: 6236886.1/47



Right In: -0.011+/-0.025 χ^2/NDF: 15.6/20

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

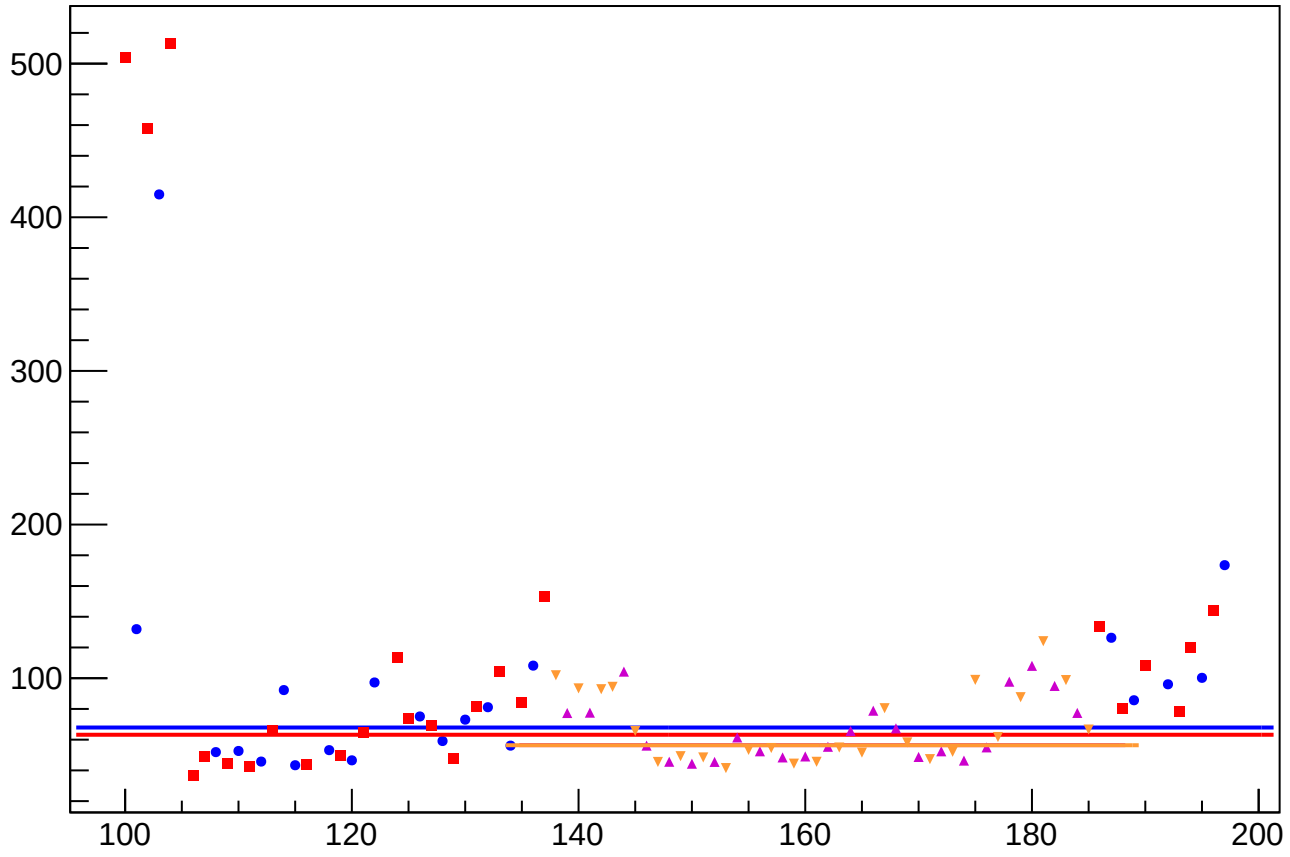
Right Out: 0.038+/-0.022 χ^2/NDF: 32.7/24

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.011+/-0.012 χ^2/NDF: 37.4/45

All: 0.006+/-0.009 χ^2/NDF: 105.3/93

- sign 0.023+/-0.012 χ^2/NDF: 63.9/47



Right In: 67.909+/-0.017 χ^2/NDF: 2920286.7/20

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

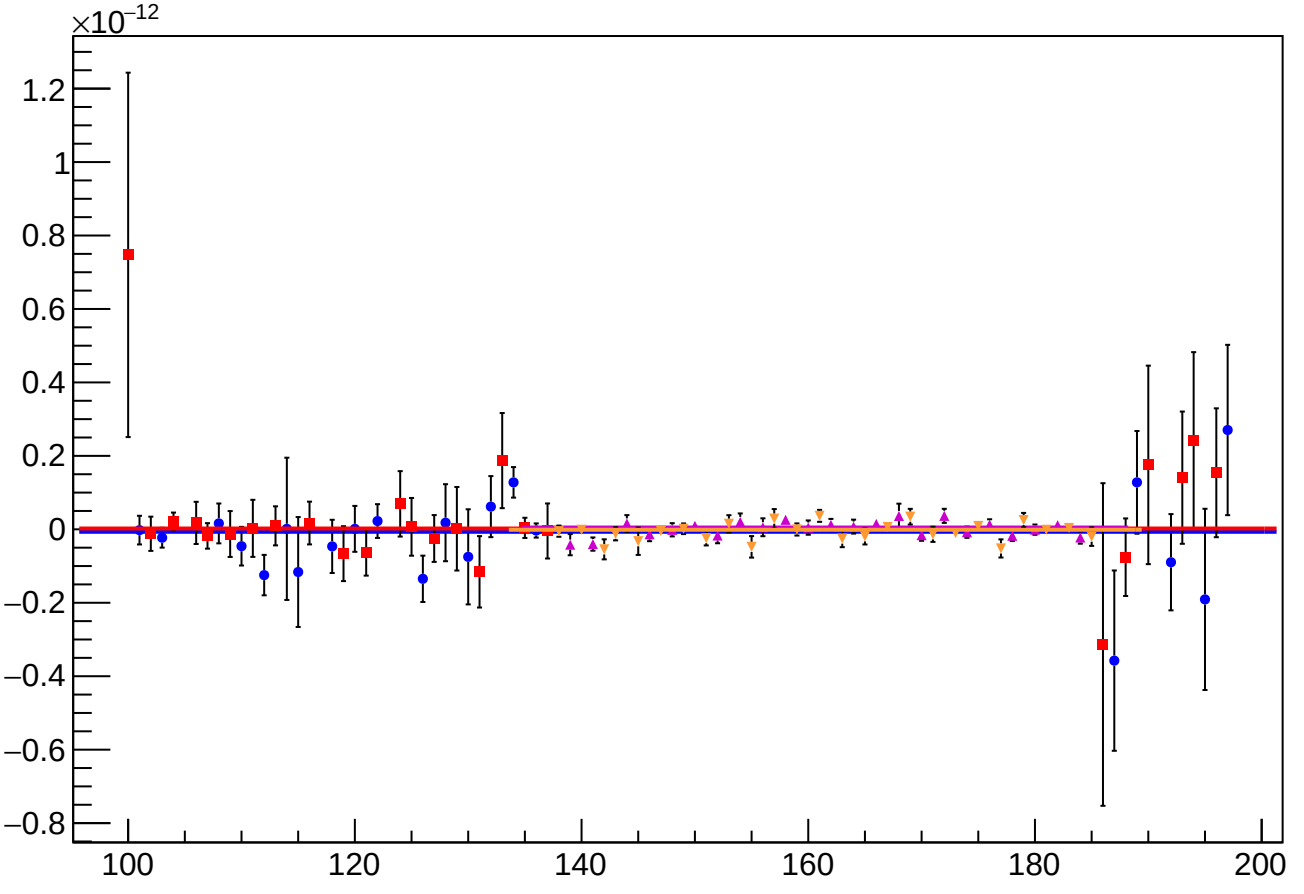
Right Out: 63.195+/-0.016 χ^2/NDF: 3968269.0/24

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 59.296+/-0.009 χ^2/NDF: 6046551.5/45

All: 58.876+/-0.006 χ^2/NDF: 12287956.6/93

- sign 58.472+/-0.009 χ^2/NDF: 6236886.1/47



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

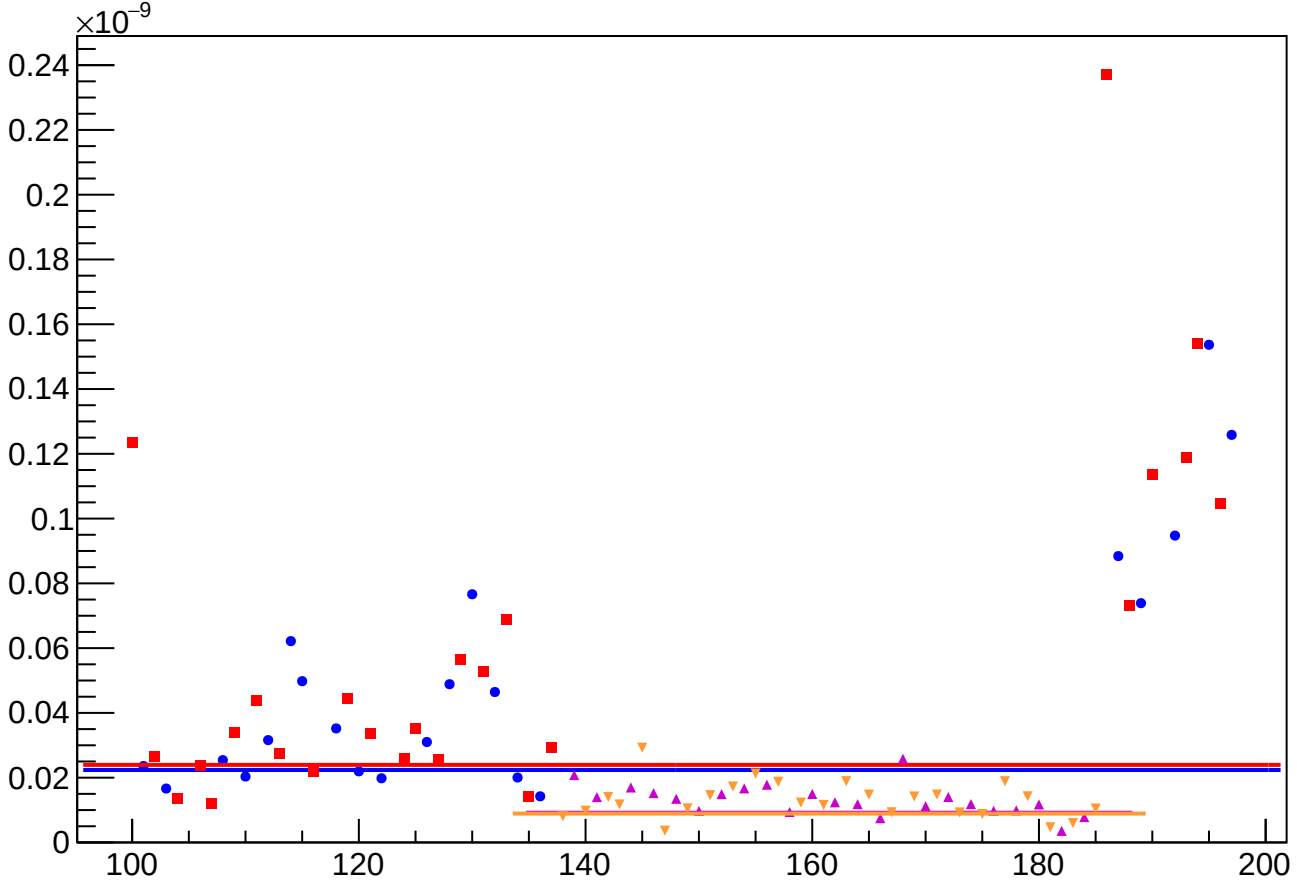
Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/24

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

+ sign -0.000+/-0.000 χ^2/NDF: 57.8/45

All: 0.000+/-0.000 χ^2/NDF: 102.2/93

- sign 0.000+/-0.000 χ^2/NDF: 42.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 3412318.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4659722.4/24

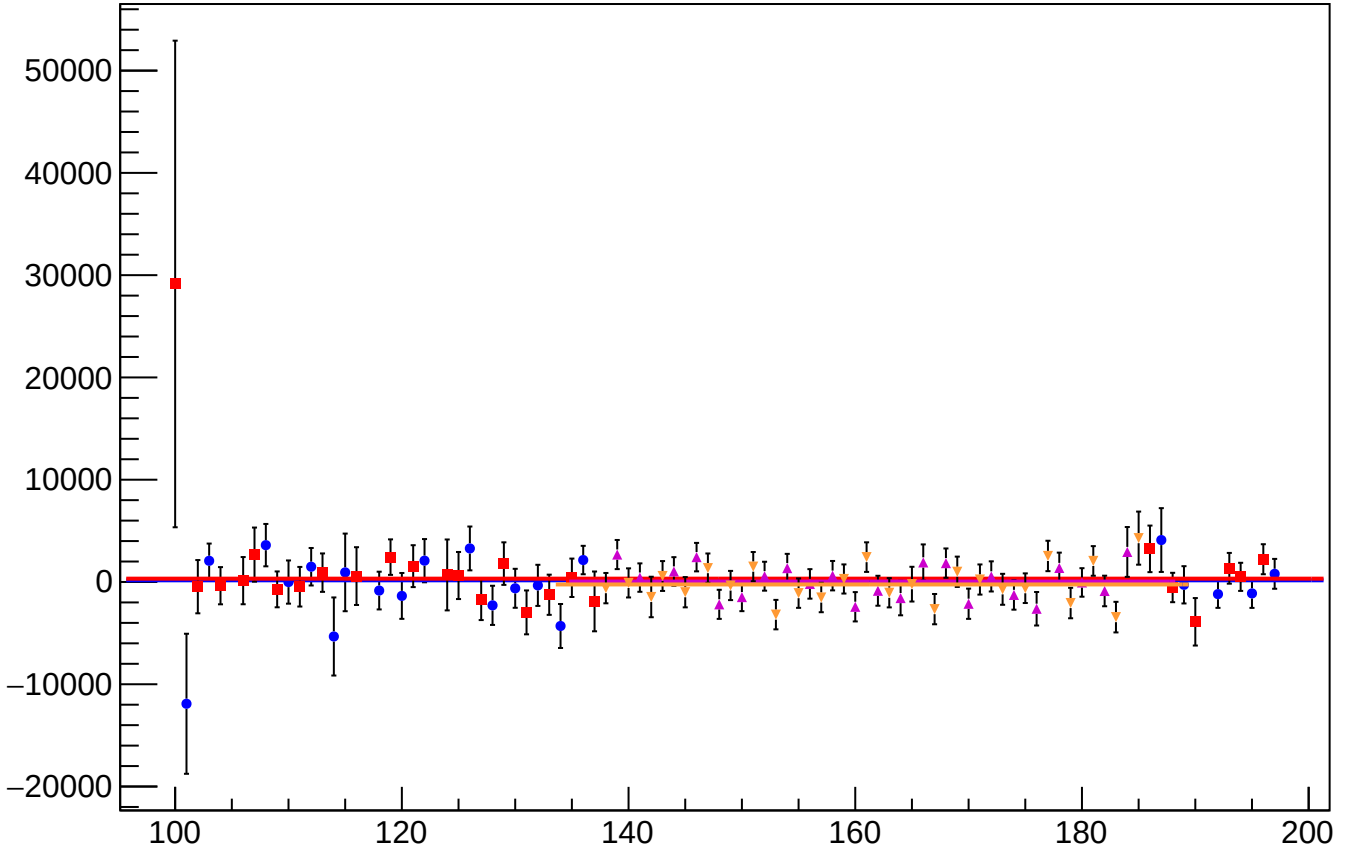
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11179865.3/45

All: 0.000+/-0.000 χ^2/NDF: 23900540.4/93

- sign 0.000+/-0.000 χ^2/NDF: 12708277.1/47

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 163.112+/-420.564 χ^2/NDF: 25.4/20

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 324.569+/-398.957 χ^2/NDF: 17.6/24

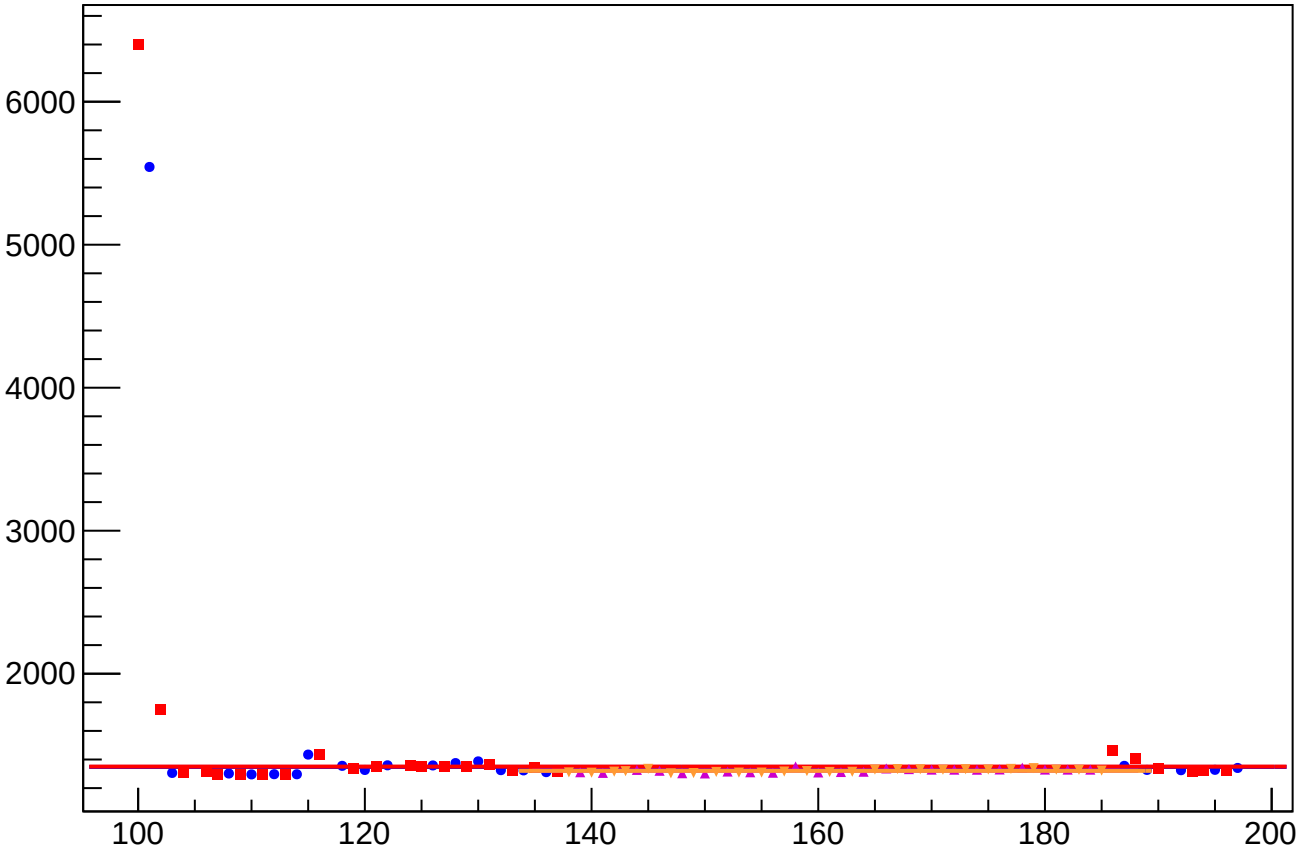
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -104.630+/-244.235 χ^2/NDF: 57.7/45

All: 20.744+/-172.655 χ^2/NDF: 103.2/93

- sign 145.987+/-244.108 χ^2/NDF: 45.0/47

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.004+/-0.297 χ^2/NDF: 762082.2/20

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1350.424+/-0.282 χ^2/NDF: 157811.7/24

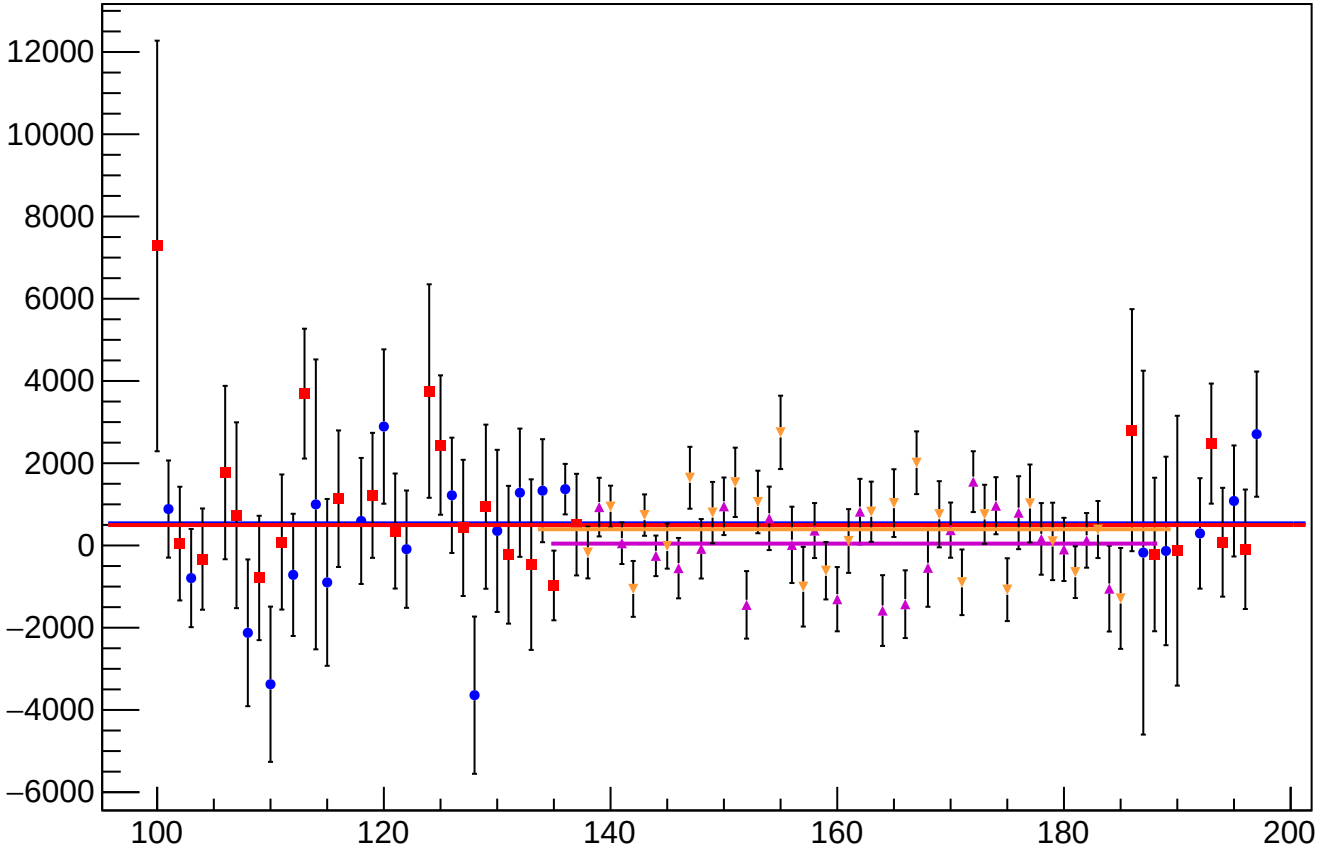
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.935+/-0.173 χ^2/NDF: 770255.0/45

All: 1331.221+/-0.122 χ^2/NDF: 938179.7/93

- sign 1332.505+/-0.173 χ^2/NDF: 167813.9/47

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 537.553+/-308.523 χ^2/NDF: 20.7/20

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 496.795+/-317.534 χ^2/NDF: 17.3/24

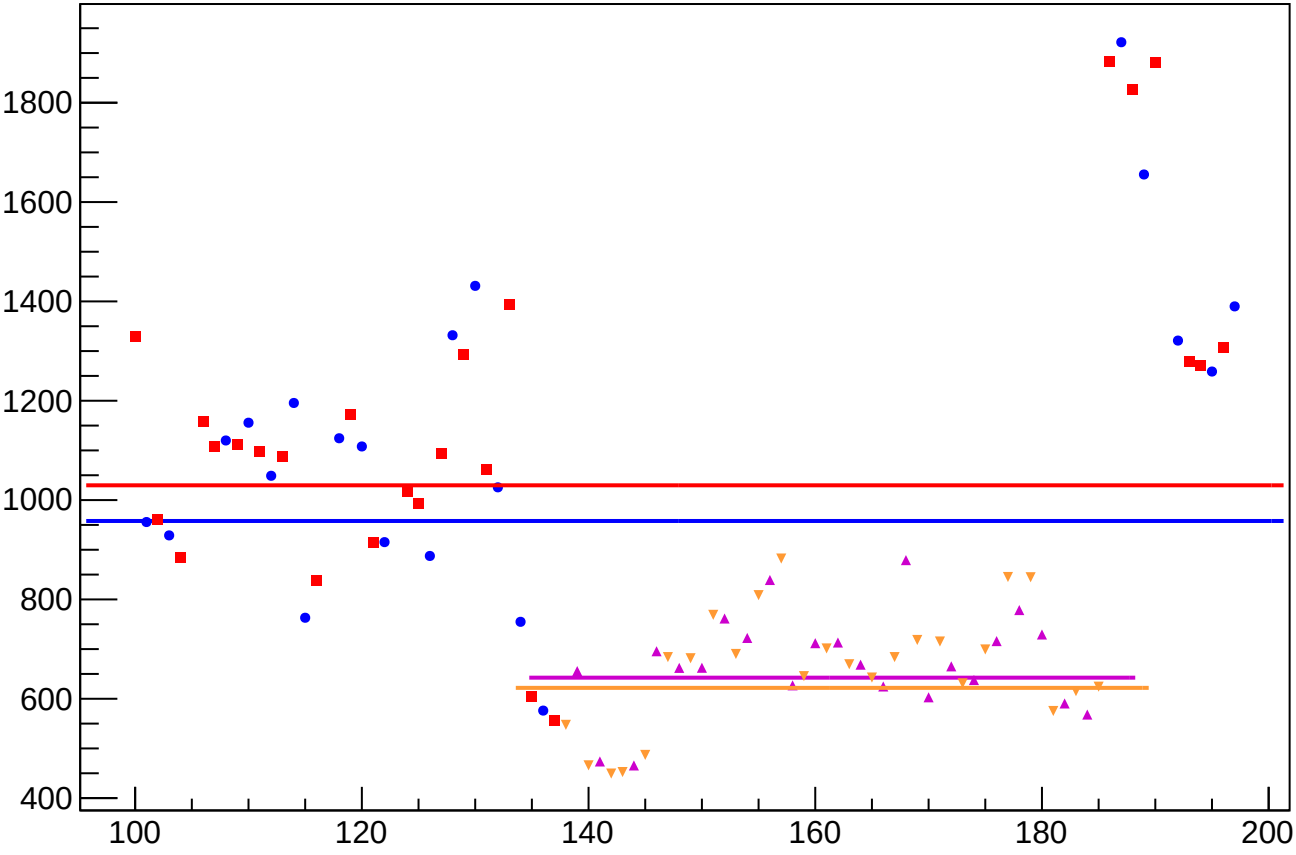
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 420.294+/-130.904 χ^2/NDF: 62.7/45

All: 281.802+/-94.759 χ^2/NDF: 111.6/93

- sign 129.345+/-137.346 χ^2/NDF: 46.5/47

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 957.930+/-0.218 χ^2/NDF: 1825597.2/20

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1029.745+/-0.225 χ^2/NDF: 1882654.0/24

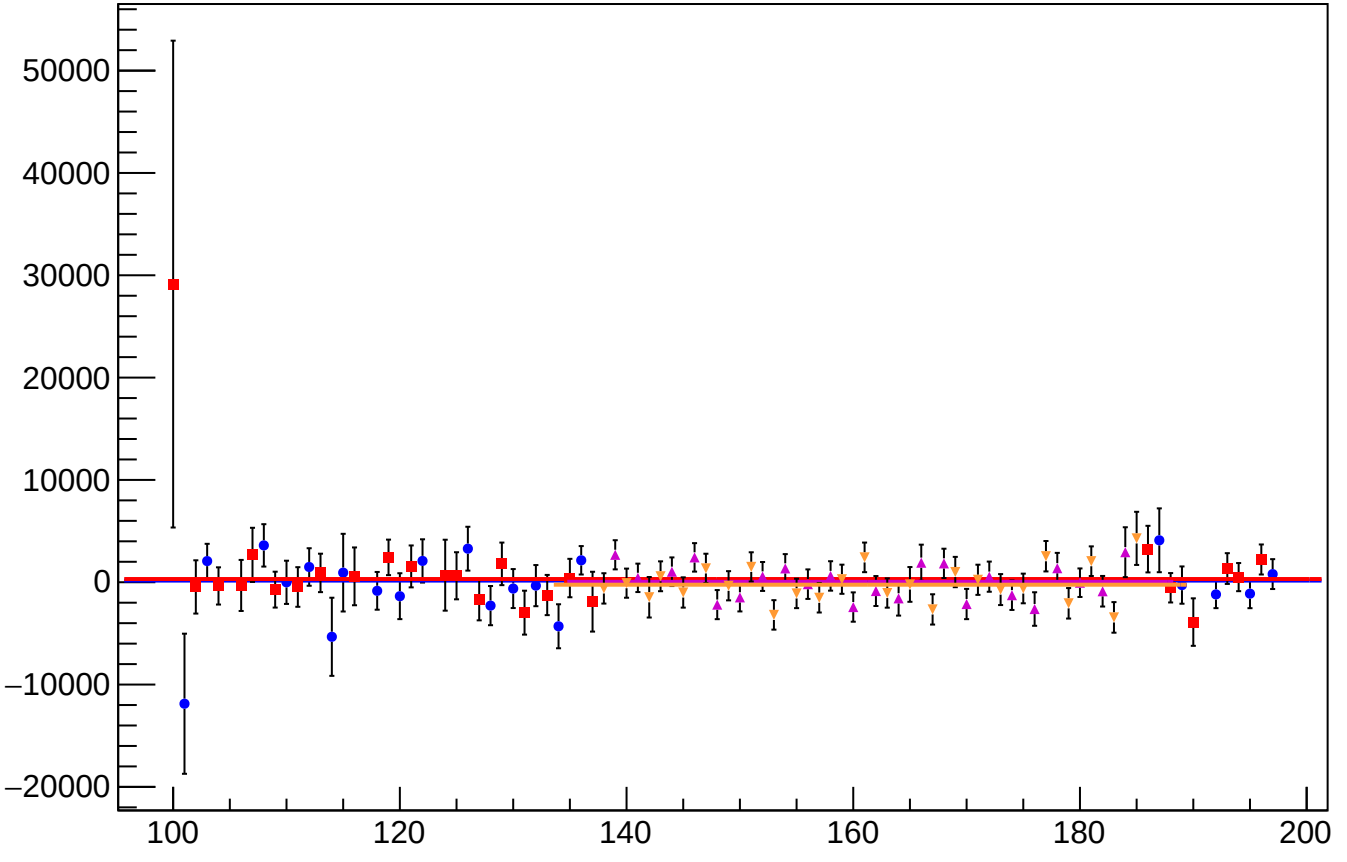
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 682.435+/-0.093 χ^2/NDF: 5153895.5/45

All: 697.900+/-0.067 χ^2/NDF: 10439932.7/93

- sign 714.925+/-0.097 χ^2/NDF: 5227391.9/47

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 163.253+/-420.564 χ^2/NDF: 25.3/20

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 314.237+/-399.819 χ^2/NDF: 17.6/24

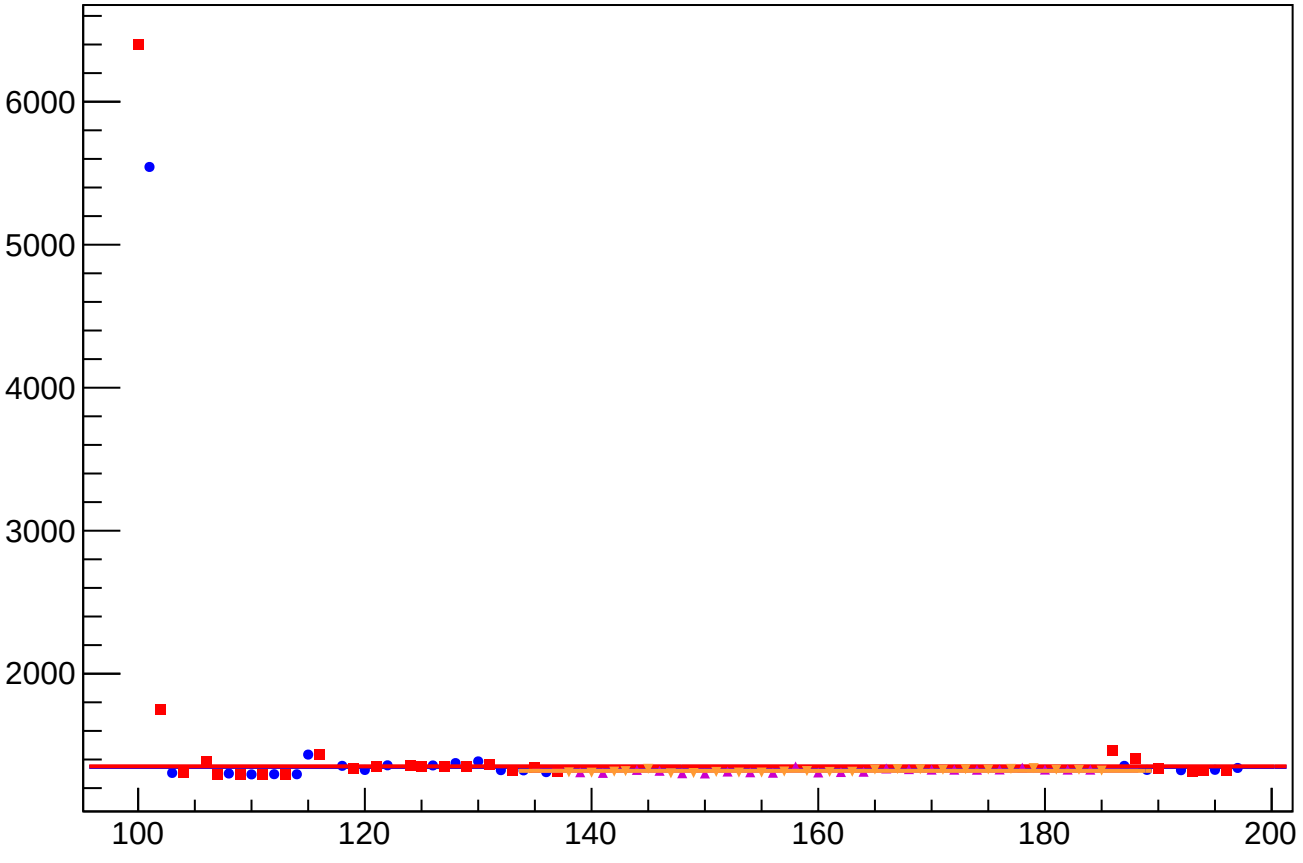
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -104.583+/-244.235 χ^2/NDF: 57.7/45

All: 18.616+/-172.725 χ^2/NDF: 103.2/93

- sign 141.886+/-244.305 χ^2/NDF: 45.0/47

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.004+/-0.297 χ^2/NDF: 762081.2/20

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1352.397+/-0.283 χ^2/NDF: 157829.0/24

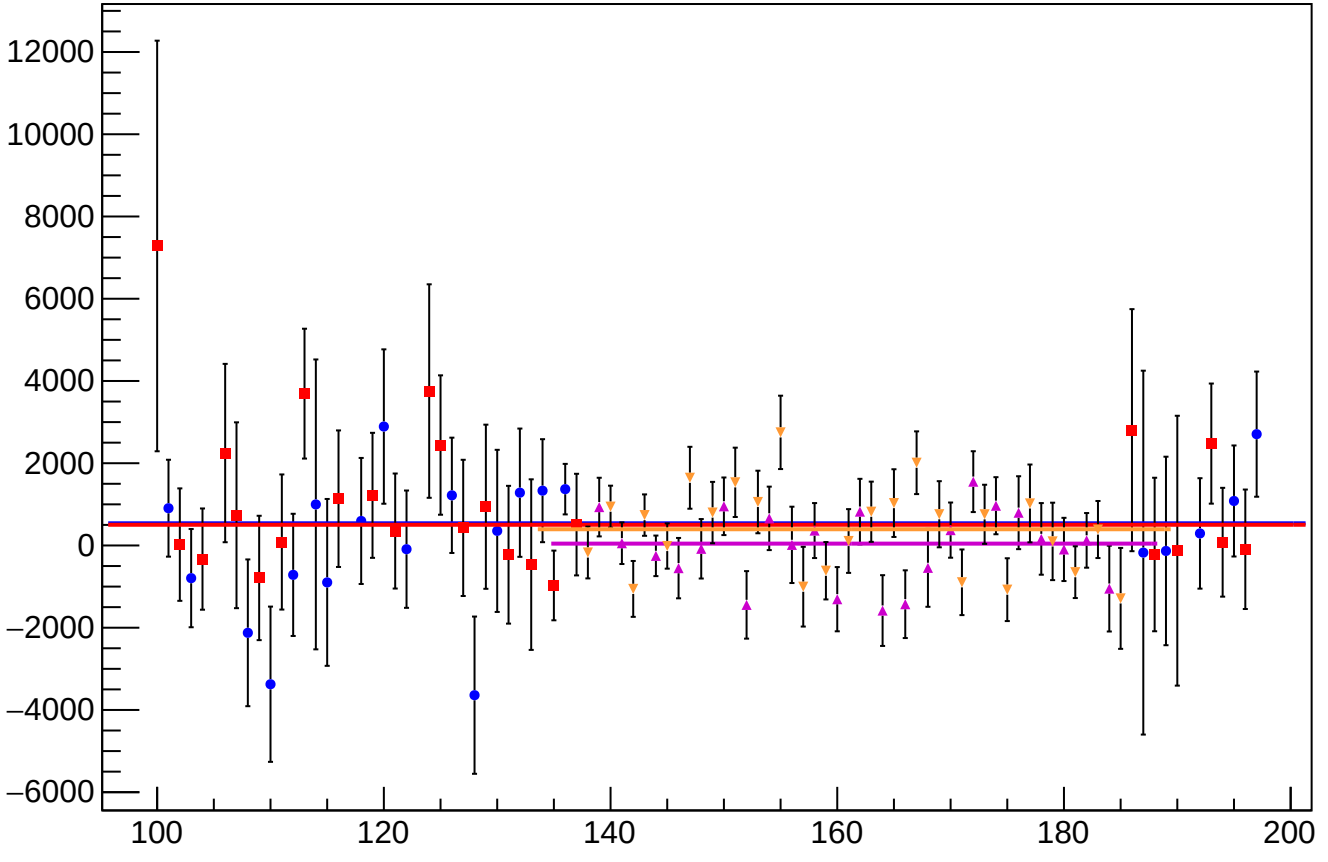
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.935+/-0.173 χ^2/NDF: 770254.0/45

All: 1331.574+/-0.122 χ^2/NDF: 939164.4/93

- sign 1333.213+/-0.173 χ^2/NDF: 168730.3/47

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 538.974+/-308.480 χ^2/NDF: 20.7/20

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 503.557+/-317.538 χ^2/NDF: 17.6/24

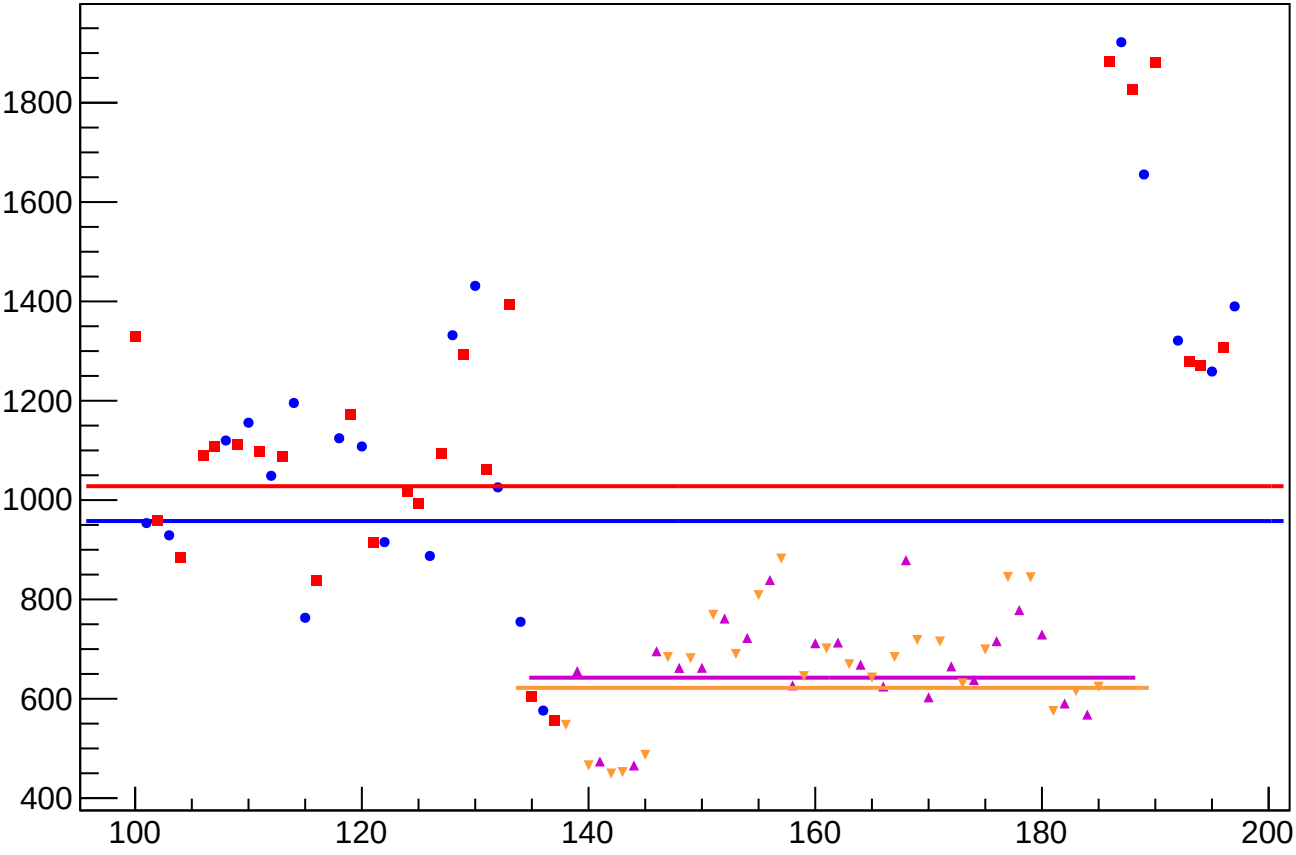
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 420.533+/-130.901 χ^2/NDF: 62.7/45

All: 282.527+/-94.757 χ^2/NDF: 111.9/93

- sign 130.598+/-137.345 χ^2/NDF: 46.9/47

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 957.801+/-0.218 χ^2/NDF: 1825546.7/20

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1027.969+/-0.225 χ^2/NDF: 1877167.6/24

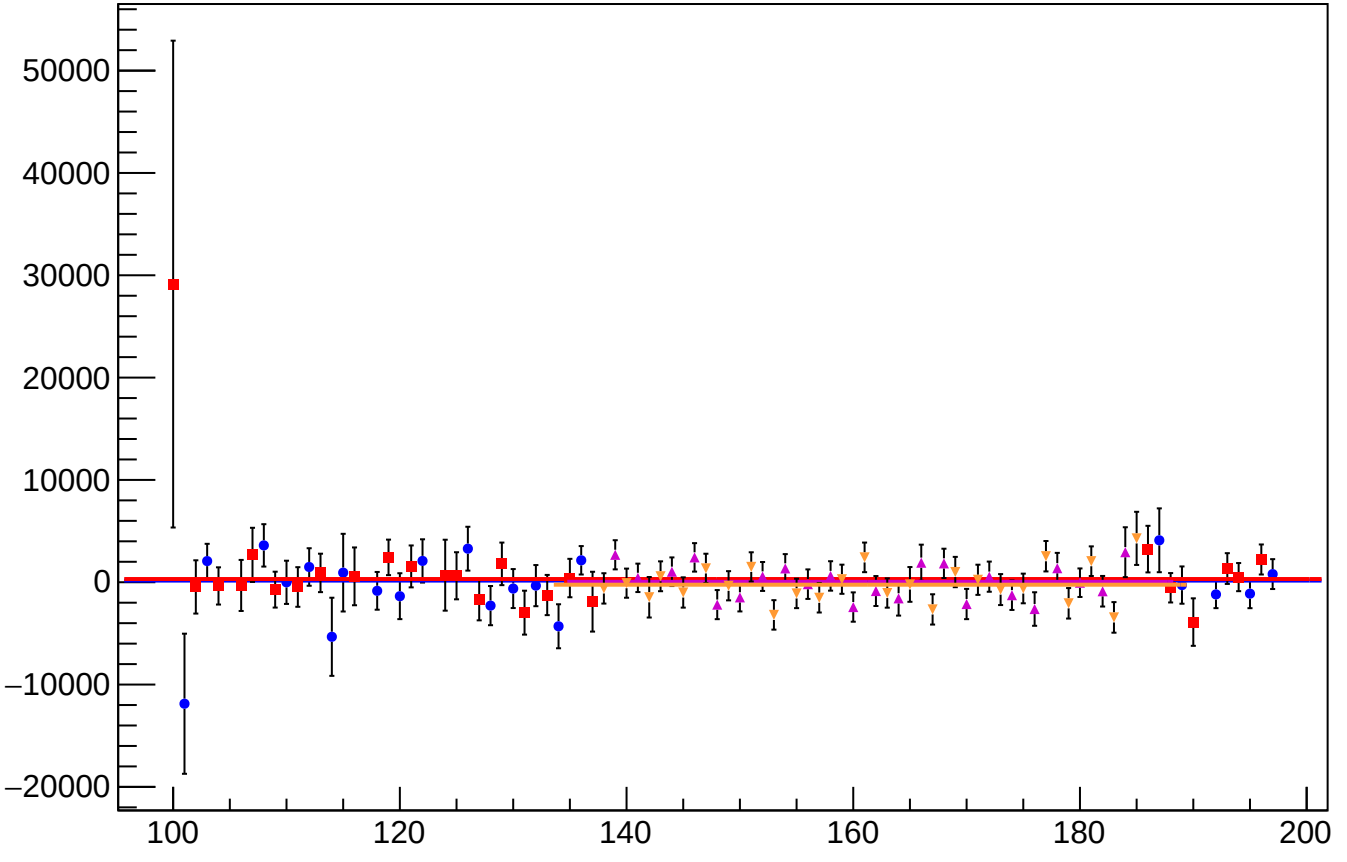
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 682.425+/-0.093 χ^2/NDF: 5152699.0/45

All: 697.734+/-0.067 χ^2/NDF: 10410014.2/93

- sign 714.587+/-0.097 χ^2/NDF: 5199849.0/47

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 163.253+/-420.564 χ^2/NDF: 25.3/20

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 314.237+/-399.819 χ^2/NDF: 17.6/24

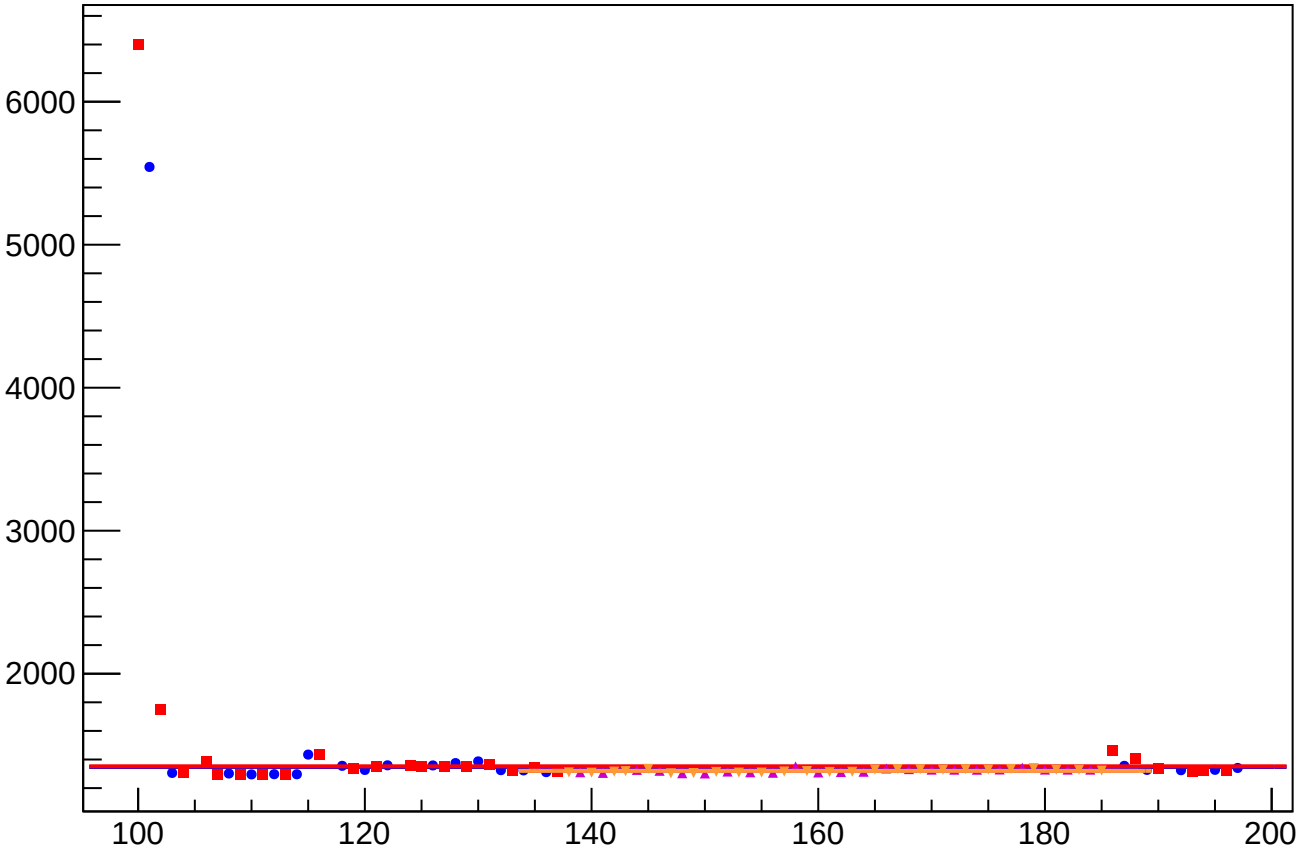
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -104.583+/-244.235 χ^2/NDF: 57.7/45

All: 18.616+/-172.725 χ^2/NDF: 103.2/93

- sign 141.886+/-244.305 χ^2/NDF: 45.0/47

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.004+/-0.297 χ^2/NDF: 762081.2/20

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

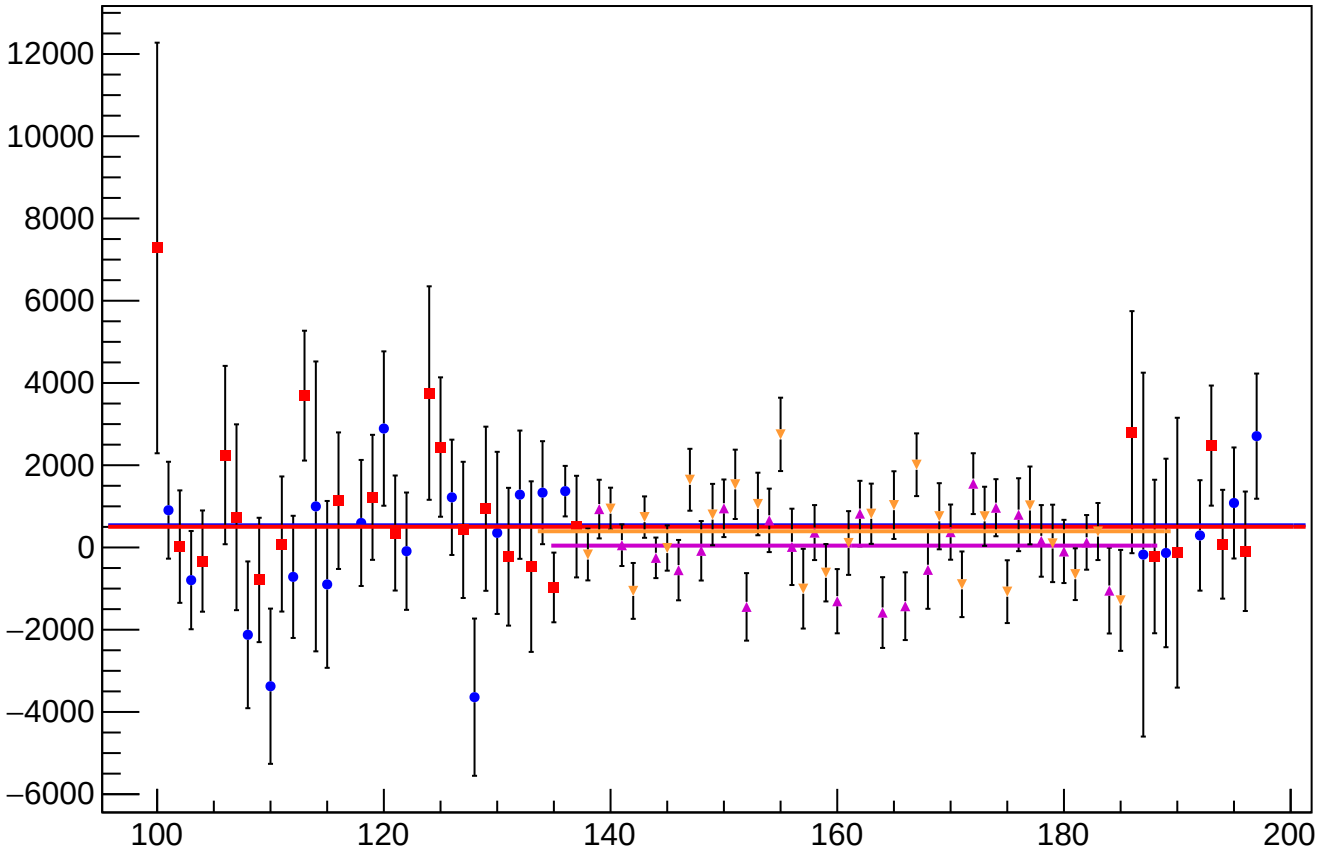
Right Out: 1352.397+/-0.283 χ^2/NDF: 157829.0/24

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.935+/-0.173 χ^2/NDF: 770254.0/45

All: 1331.574+/-0.122 χ^2/NDF: 939164.4/93

- sign 1333.213+/-0.173 χ^2/NDF: 168730.3/47



Right In: 538.974+/-308.480 χ^2/NDF: 20.7/20

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

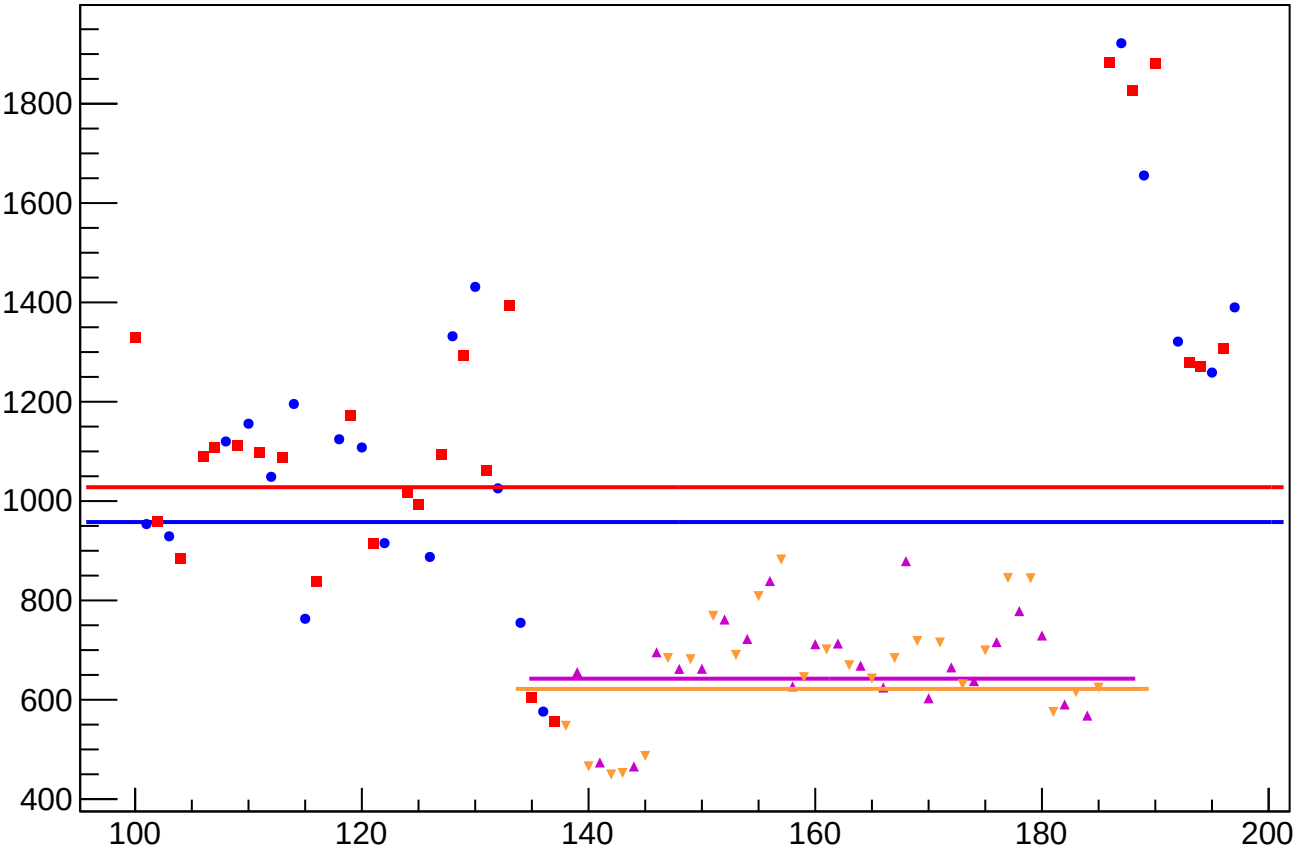
Right Out: 503.557+/-317.538 χ^2/NDF: 17.6/24

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 420.533+/-130.901 χ^2/NDF: 62.7/45

All: 282.527+/-94.757 χ^2/NDF: 111.9/93

- sign 130.598+/-137.345 χ^2/NDF: 46.9/47



Right In: 957.801+/-0.218 χ^2/NDF: 1825546.7/20

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1027.969+/-0.225 χ^2/NDF: 1877167.6/24

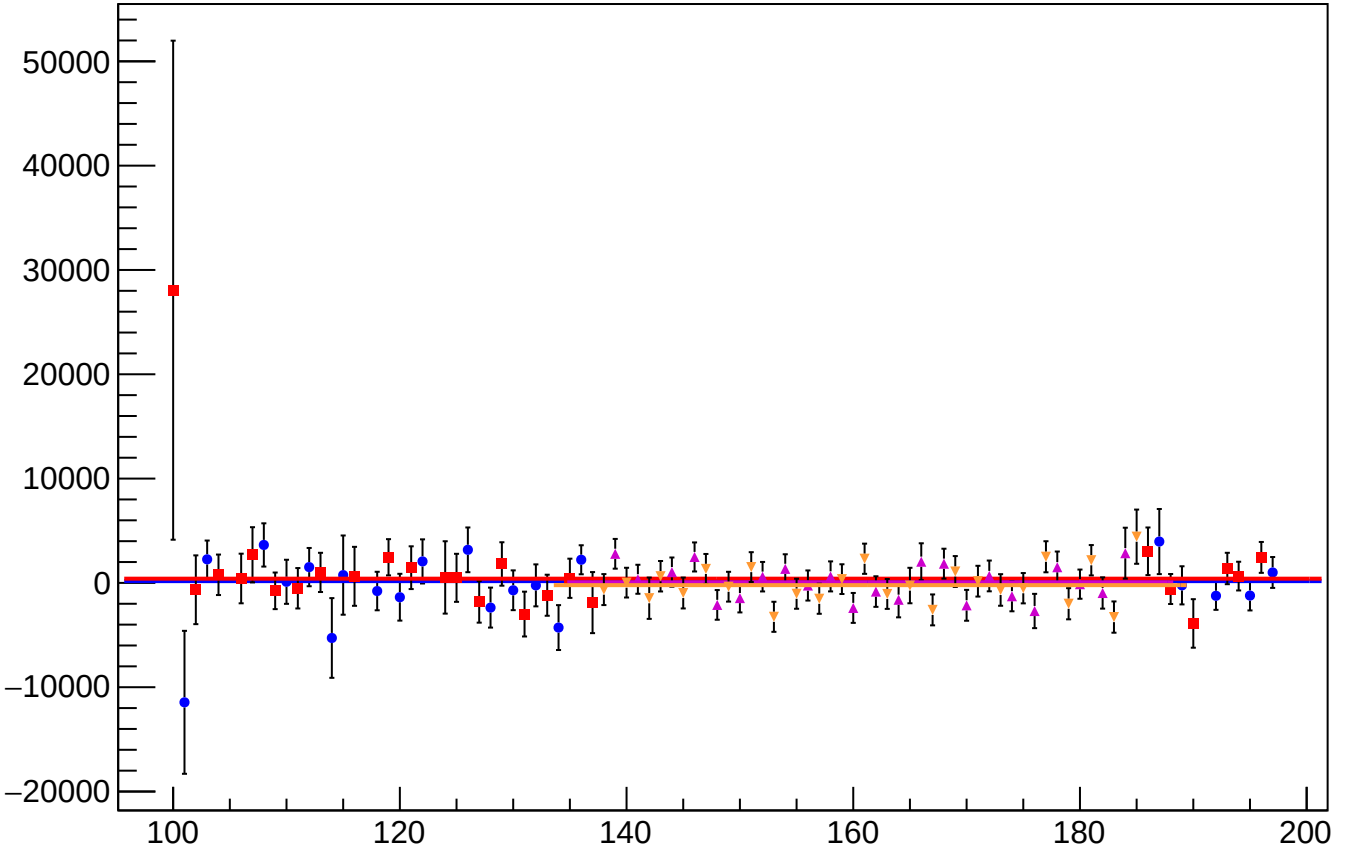
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 682.425+/-0.093 χ^2/NDF: 5152699.0/45

All: 697.734+/-0.067 χ^2/NDF: 10410014.2/93

- sign 714.587+/-0.097 χ^2/NDF: 5199849.0/47

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 169.627+/-423.144 χ^2/NDF: 25.4/20

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 404.799+/-402.871 χ^2/NDF: 17.7/24

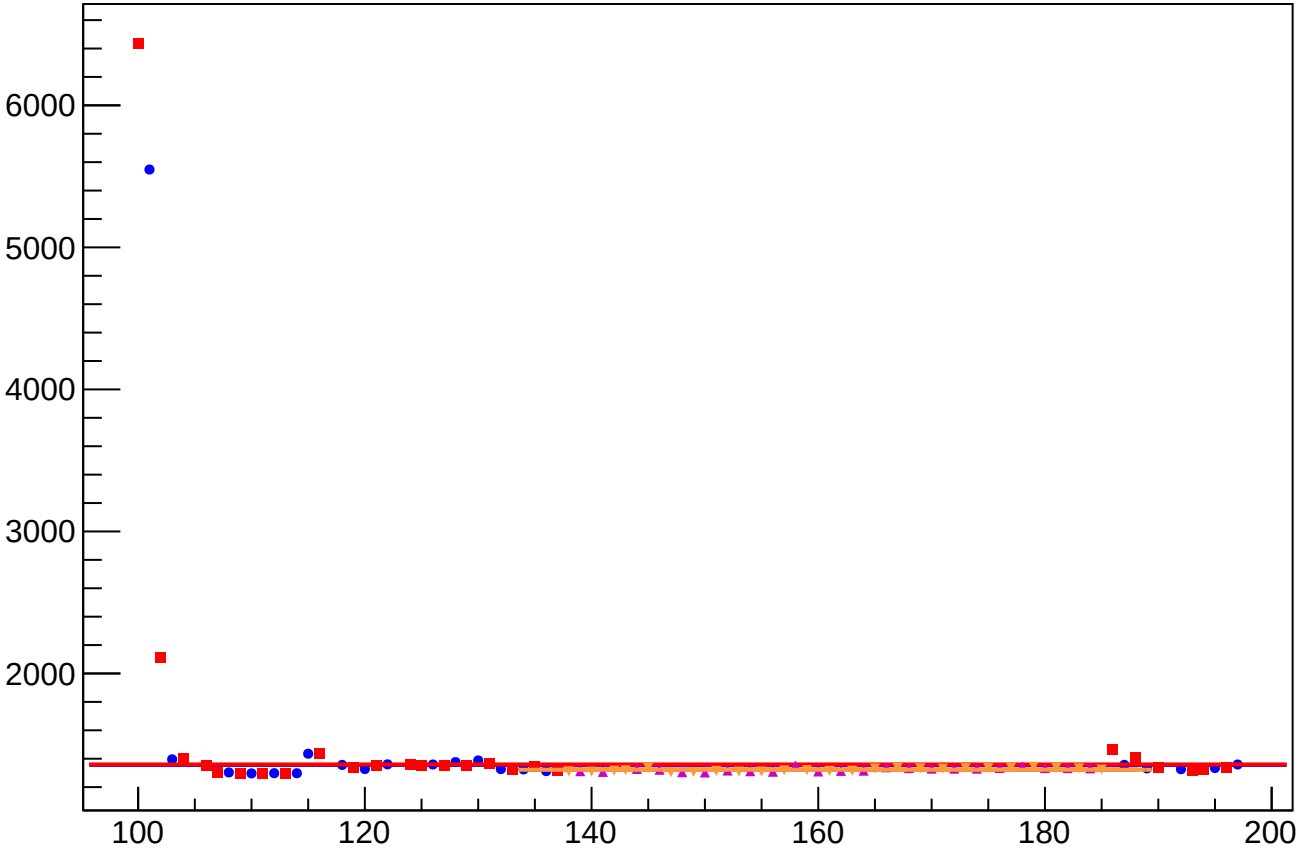
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -86.144+/-244.939 χ^2/NDF: 57.3/45

All: 47.577+/-173.283 χ^2/NDF: 103.8/93

- sign 181.560+/-245.179 χ^2/NDF: 46.0/47

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.259+/-0.299 χ^2/NDF: 761376.5/20

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1359.329+/-0.285 χ^2/NDF: 215535.7/24

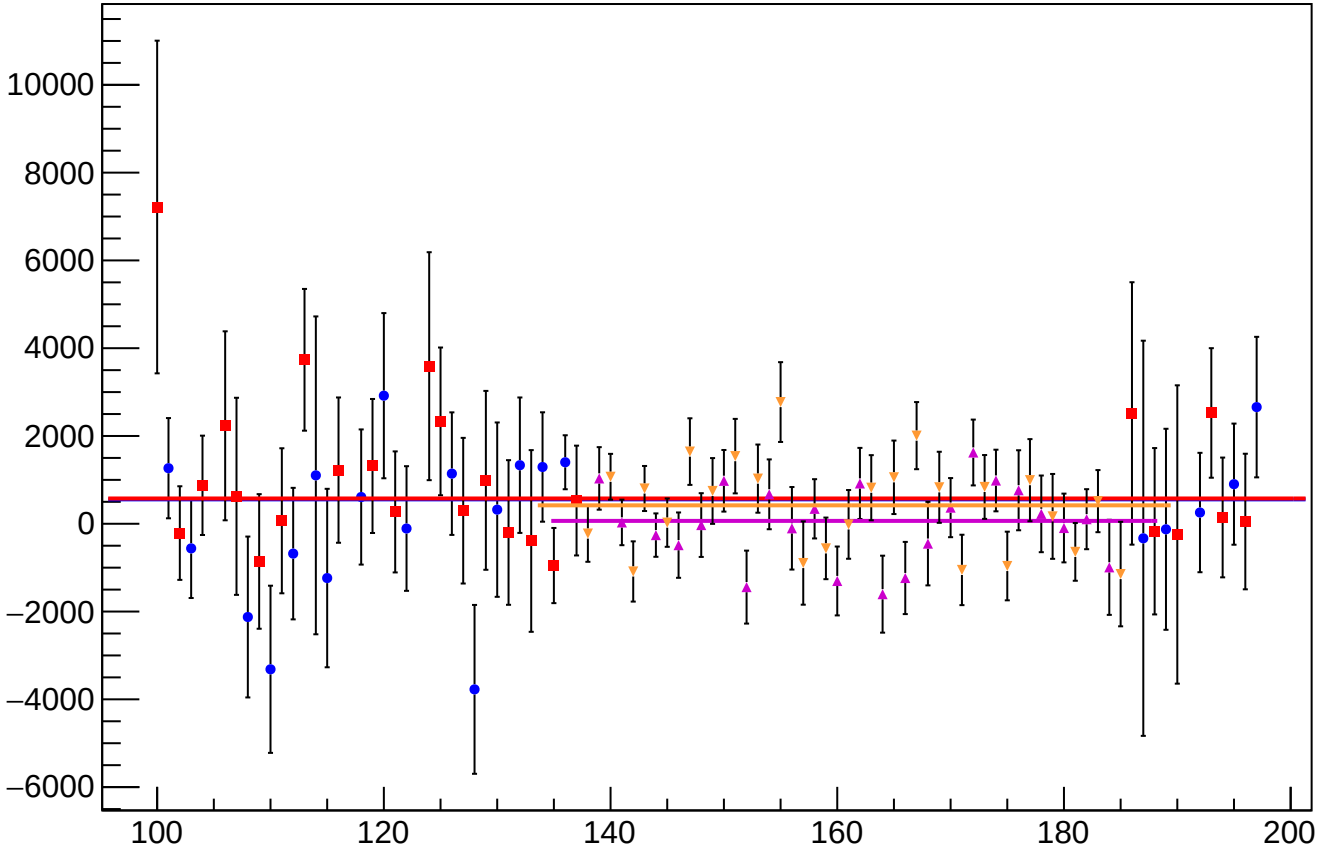
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.725+/-0.173 χ^2/NDF: 772839.2/45

All: 1335.195+/-0.123 χ^2/NDF: 1002425.8/93

- sign 1336.667+/-0.173 χ^2/NDF: 229442.4/47

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 555.881+/-308.220 χ^2/NDF: 20.6/20

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 576.087+/-312.495 χ^2/NDF: 18.2/24

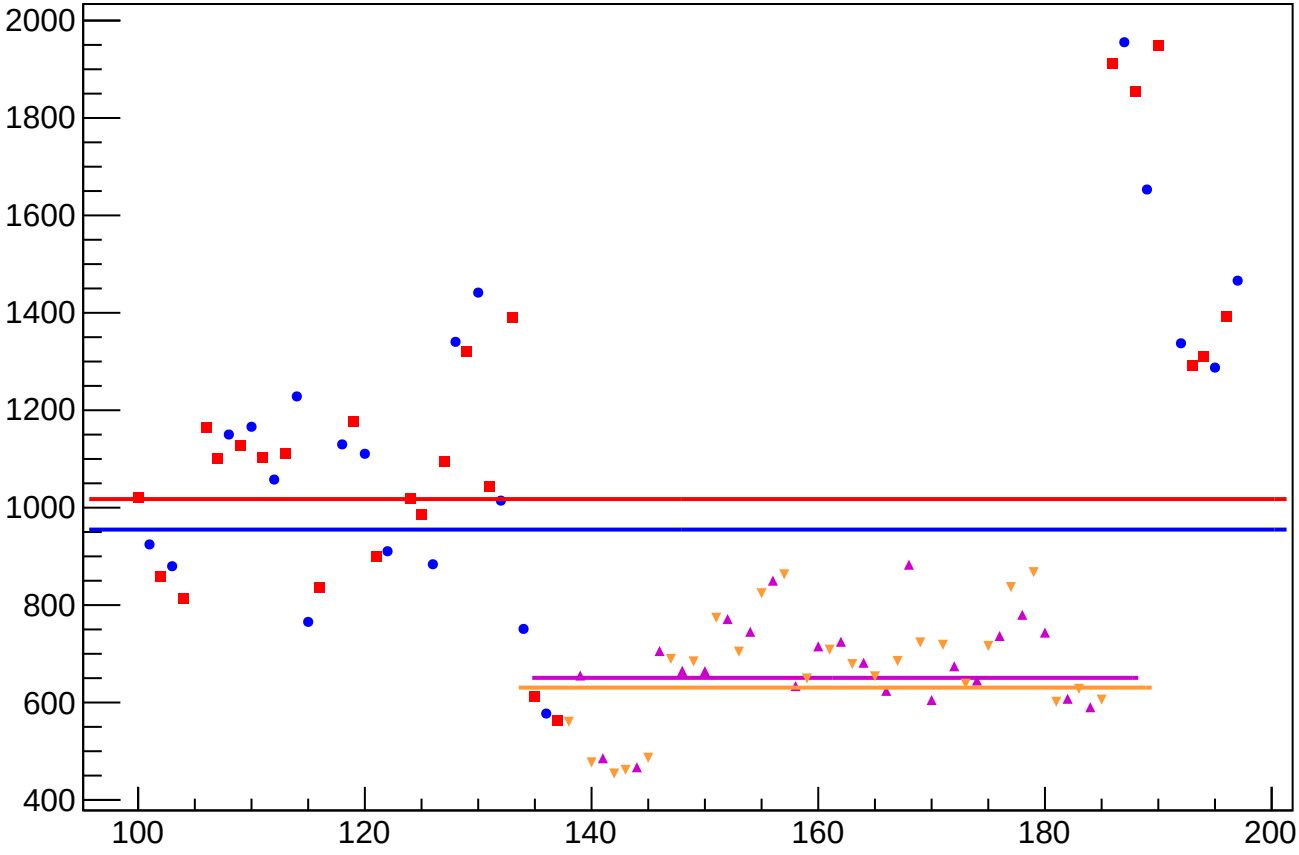
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 444.940+/-132.267 χ^2/NDF: 62.3/45

All: 311.413+/-95.588 χ^2/NDF: 111.9/93

- sign 165.428+/-138.299 χ^2/NDF: 47.4/47

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 955.016+/-0.218 χ^2/NDF: 1916128.5/20

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1017.635+/-0.221 χ^2/NDF: 2031112.9/24

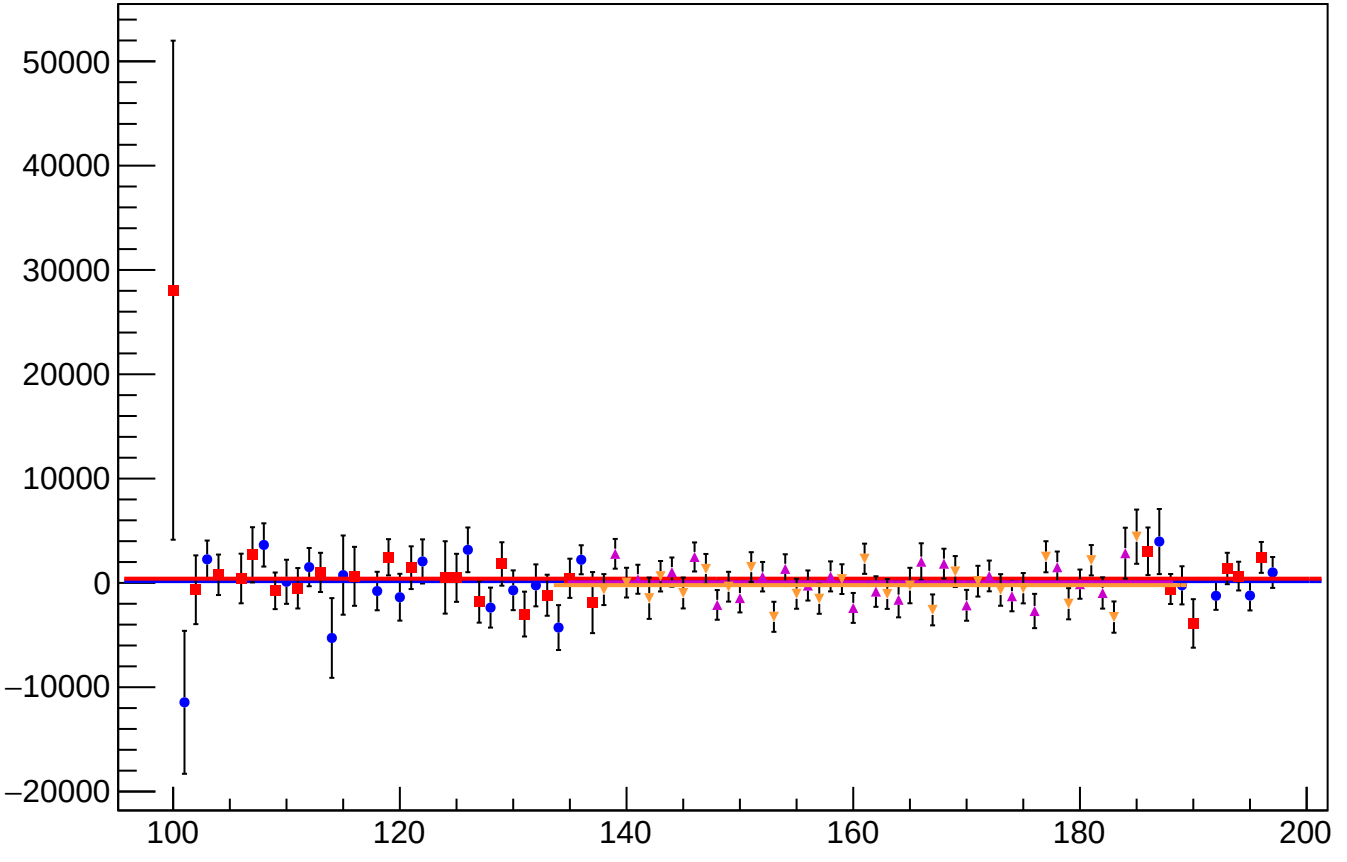
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 690.336+/-0.094 χ^2/NDF: 5052492.7/45

All: 705.710+/-0.068 χ^2/NDF: 10280455.1/93

- sign 722.518+/-0.098 χ^2/NDF: 5171401.0/47

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 169.626+/-423.144 χ^2/NDF: 25.4/20

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 404.797+/-402.871 χ^2/NDF: 17.7/24

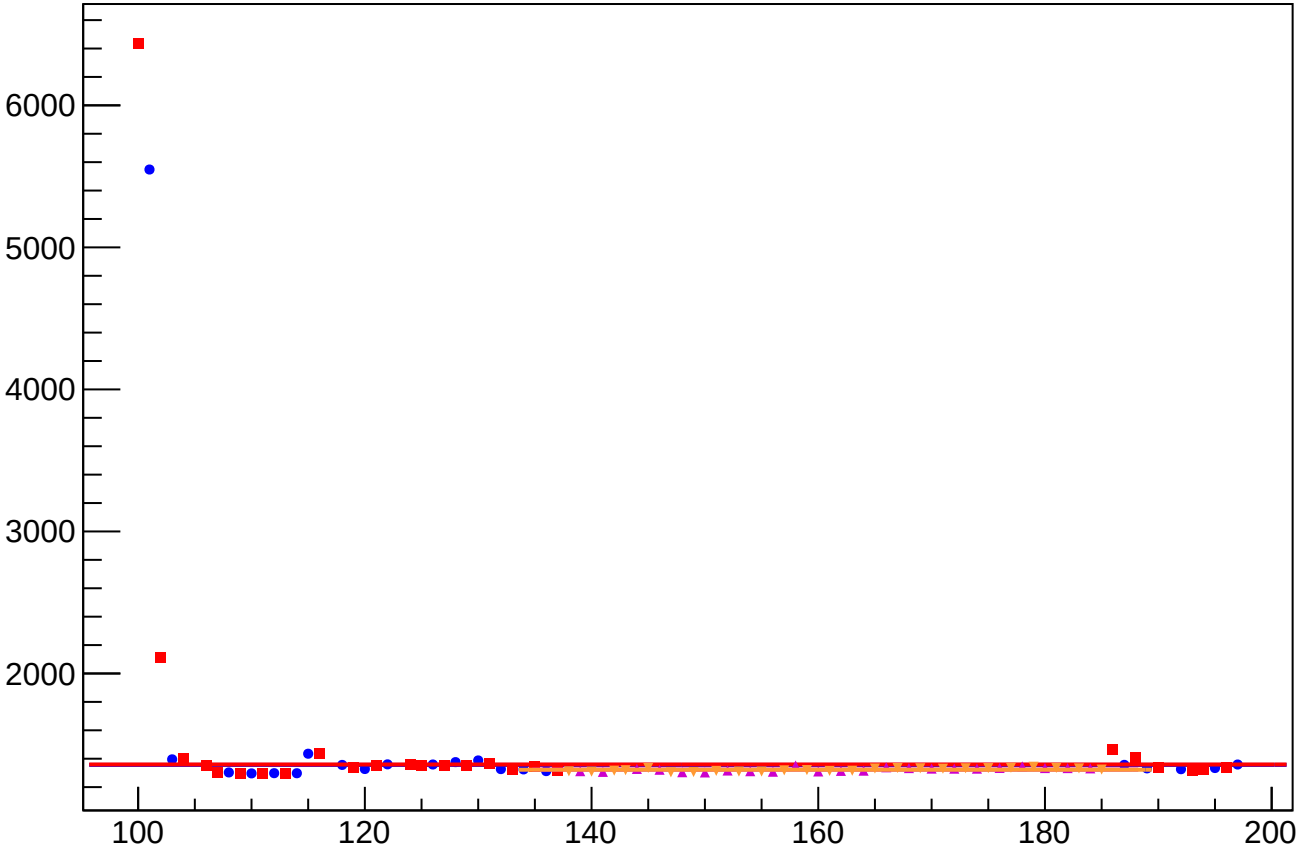
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

\+ sign -86.146+/-244.939 χ^2/NDF: 57.3/45

All: 47.576+/-173.283 χ^2/NDF: 103.8/93

\- sign 181.559+/-245.179 χ^2/NDF: 46.0/47

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.259+/-0.299 χ^2/NDF: 761376.5/20

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

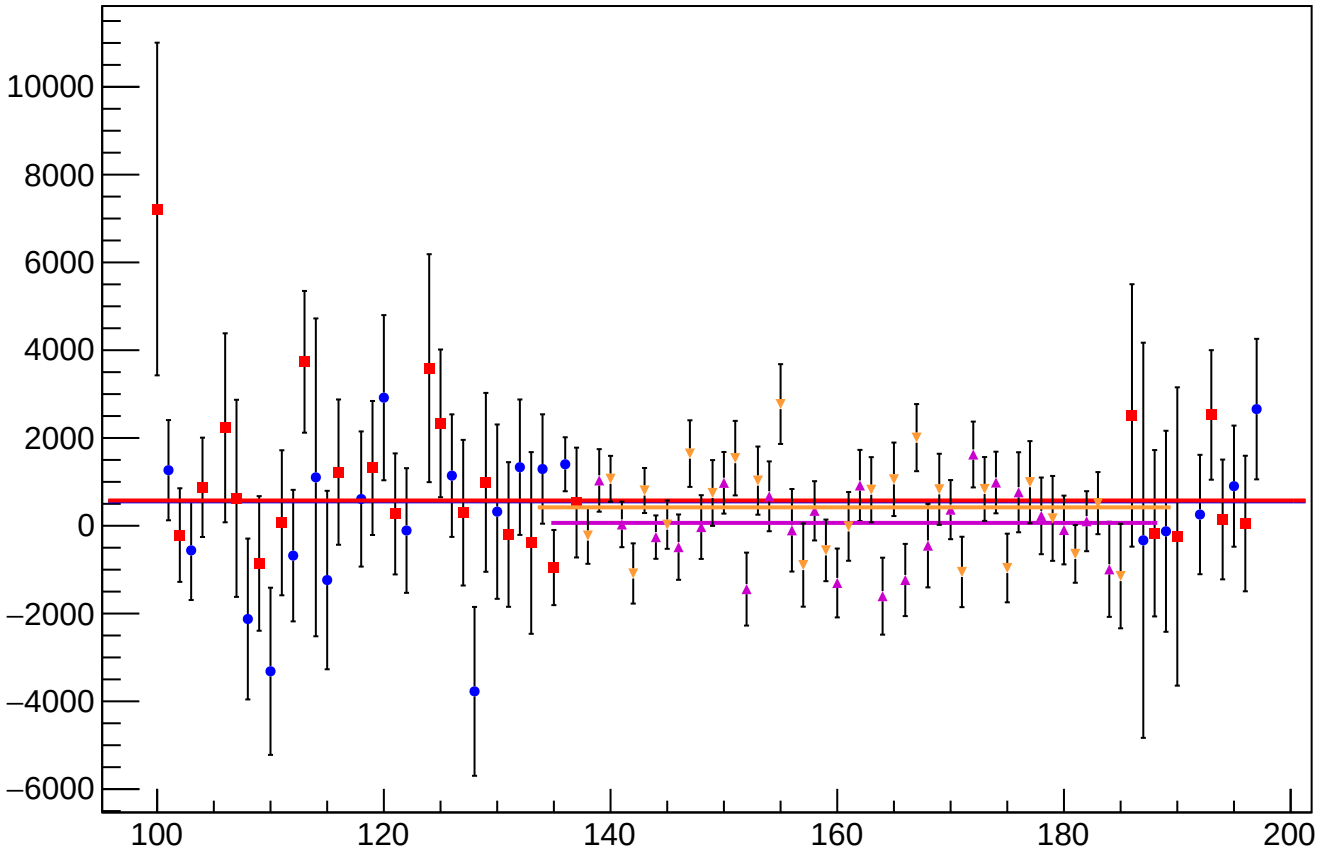
Right Out: 1359.329+/-0.285 χ^2/NDF: 215535.6/24

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.725+/-0.173 χ^2/NDF: 772839.2/45

All: 1335.195+/-0.123 χ^2/NDF: 1002425.7/93

- sign 1336.667+/-0.173 χ^2/NDF: 229442.4/47



Right In: 555.879+/-308.219 χ^2/NDF: 20.6/20

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 576.086+/-312.494 χ^2/NDF: 18.2/24

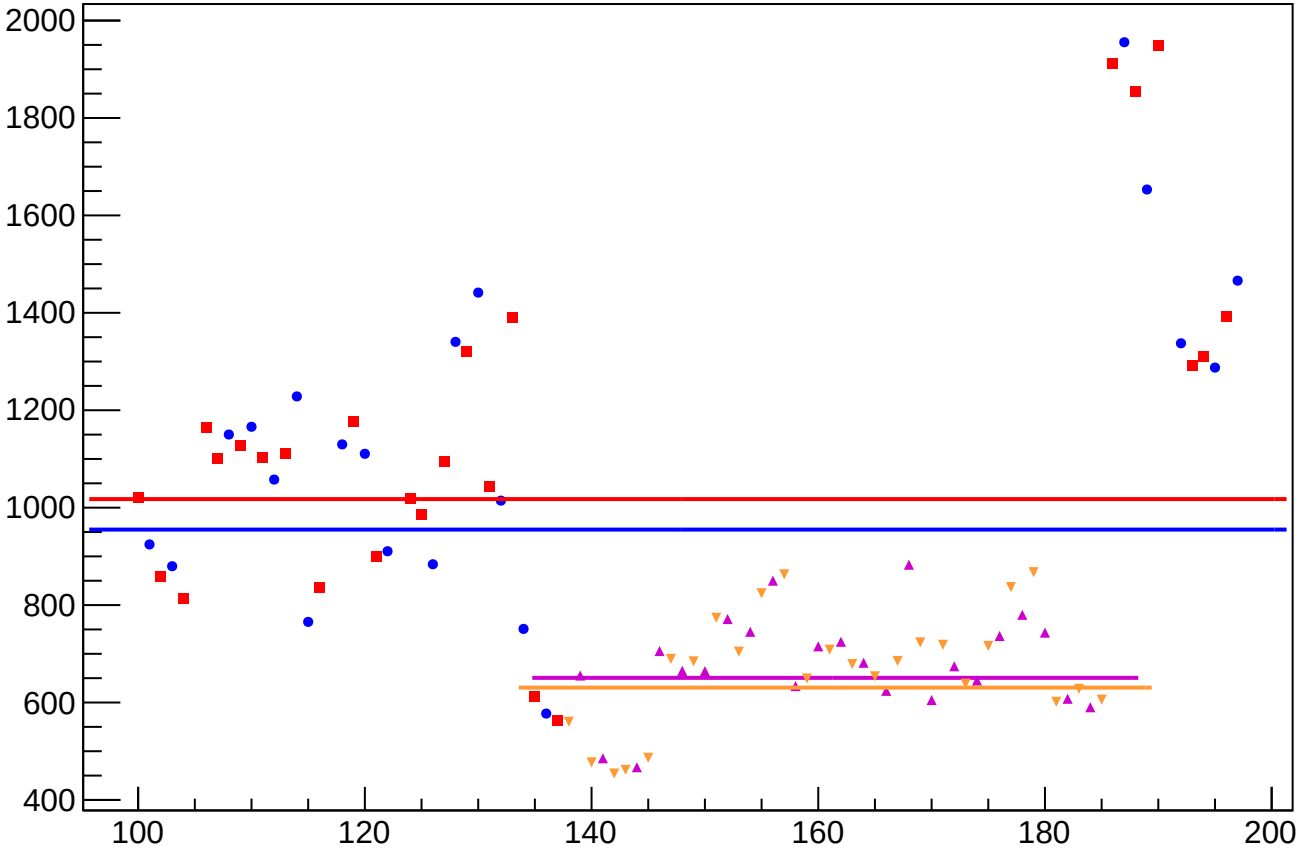
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 444.940+/-132.267 χ^2/NDF: 62.3/45

All: 311.413+/-95.588 χ^2/NDF: 111.9/93

- sign 165.429+/-138.299 χ^2/NDF: 47.4/47

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 955.013+/-0.218 χ^2/NDF: 1916128.9/20

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1017.633+/-0.221 χ^2/NDF: 2031114.5/24

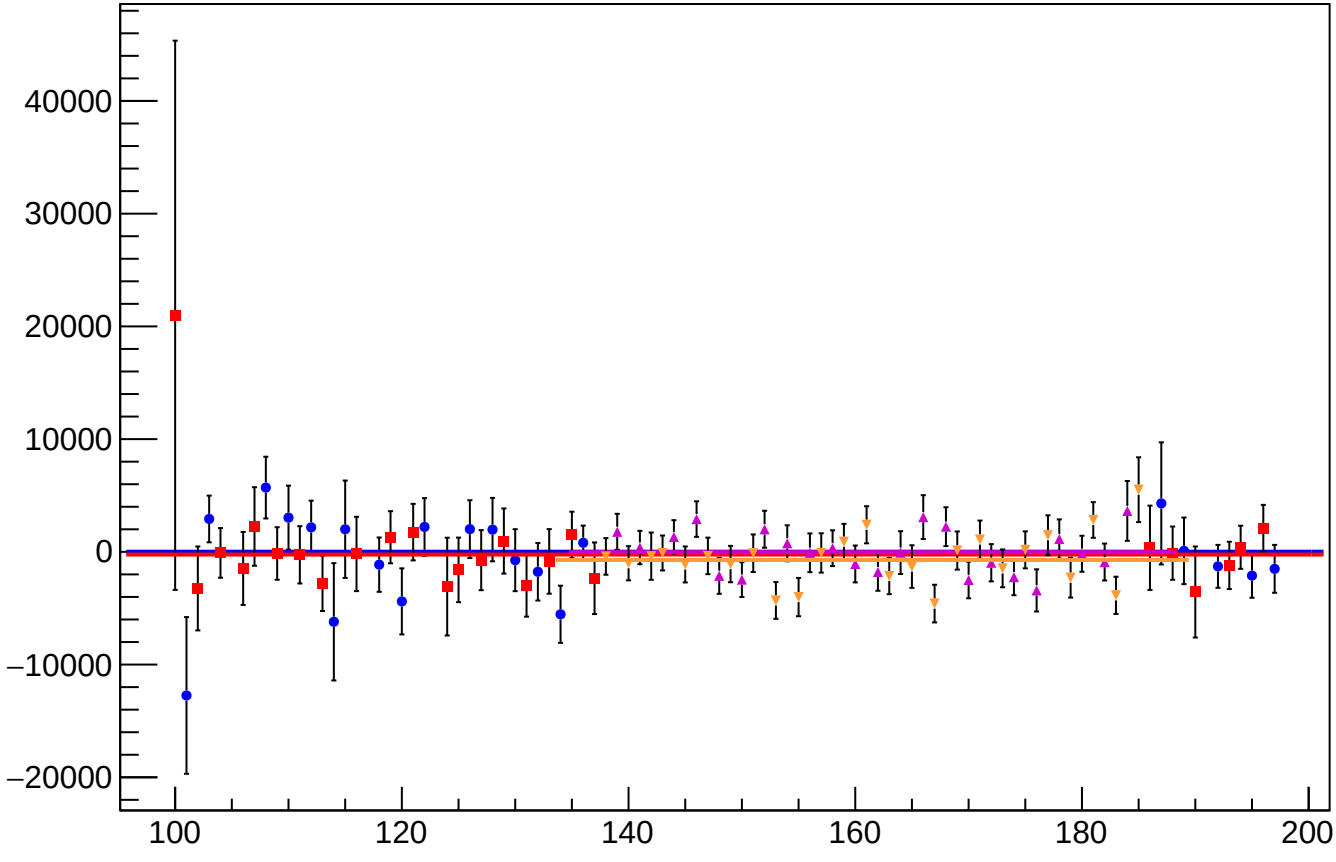
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 690.336+/-0.094 χ^2/NDF: 5052485.0/45

All: 705.710+/-0.068 χ^2/NDF: 10280428.5/93

- sign 722.519+/-0.098 χ^2/NDF: 5171380.2/47

asym_usr_atr1_dd_mean vs Slug



Right In: 14.172+/-552.392 χ^2/NDF: 26.0/20

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -236.954+/-536.671 χ^2/NDF: 9.6/24

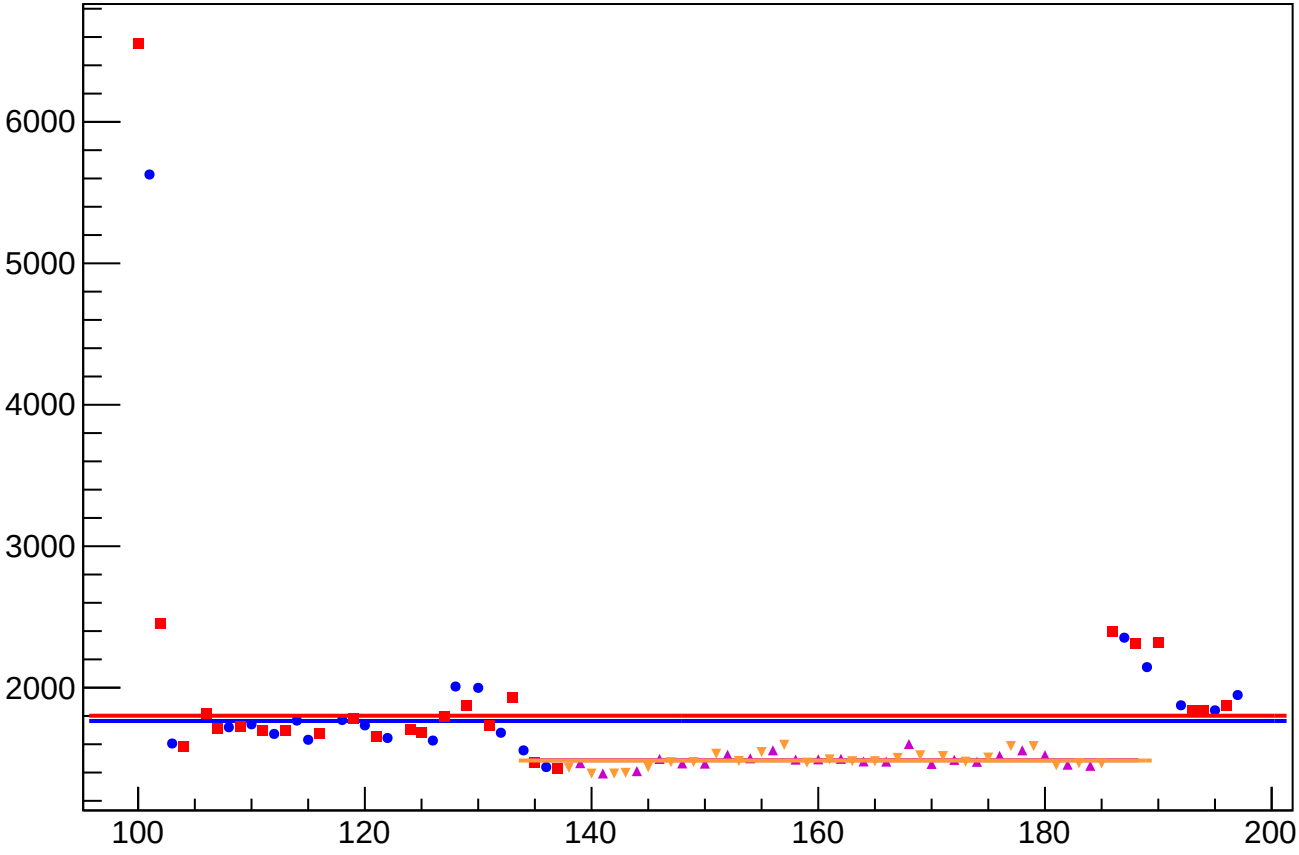
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -519.123+/-288.048 χ^2/NDF: 65.0/45

All: -306.907+/-204.939 χ^2/NDF: 103.8/93

- sign -89.364+/-291.640 χ^2/NDF: 37.7/47

asym_usr_atr1_dd_rms vs Slug



Right In: 1764.464+/-0.391 χ^2/NDF: 863804.9/20

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1801.683+/-0.379 χ^2/NDF: 447721.5/24

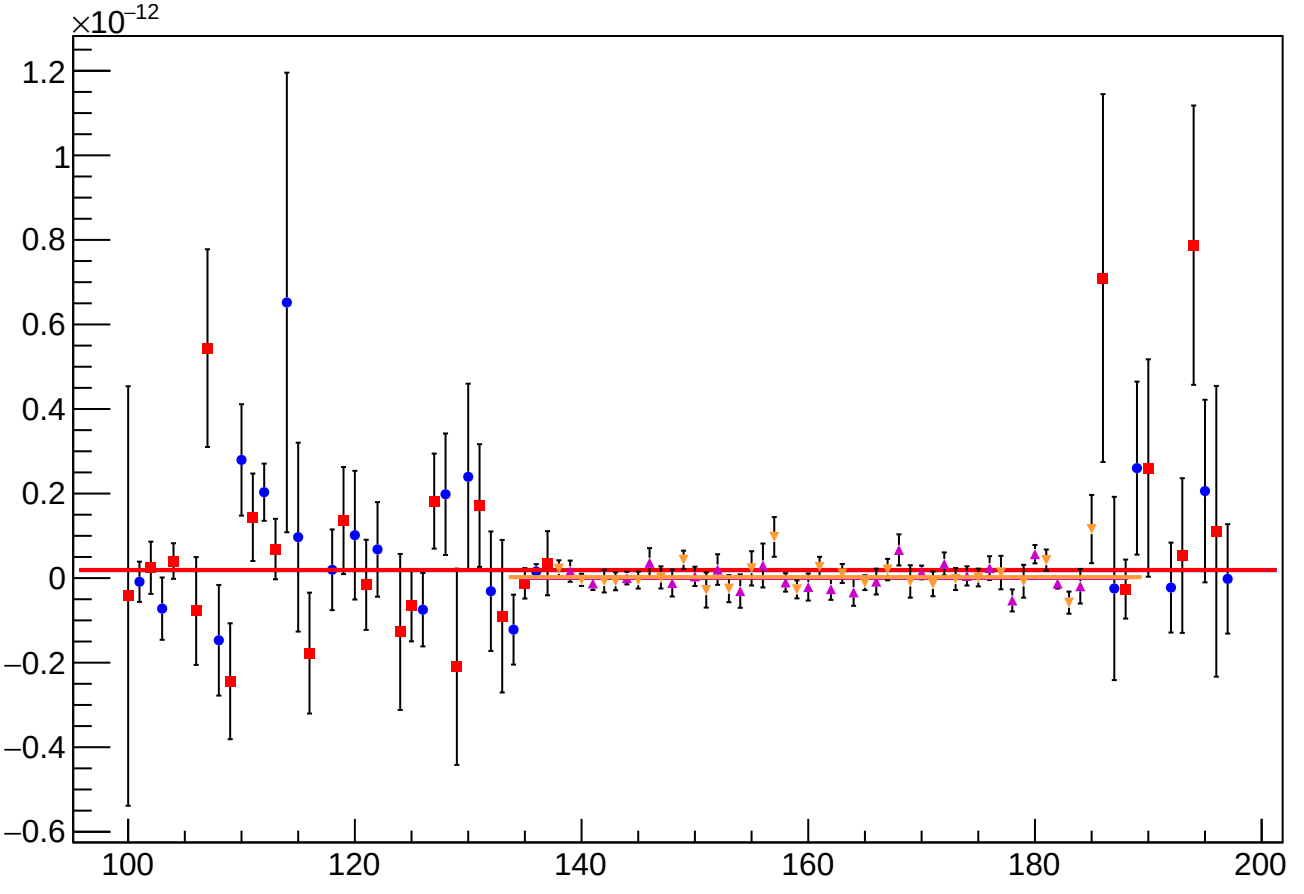
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1560.962+/-0.204 χ^2/NDF: 1287522.9/45

All: 1570.367+/-0.145 χ^2/NDF: 2258607.8/93

- sign 1580.009+/-0.206 χ^2/NDF: 966766.7/47

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.7/24

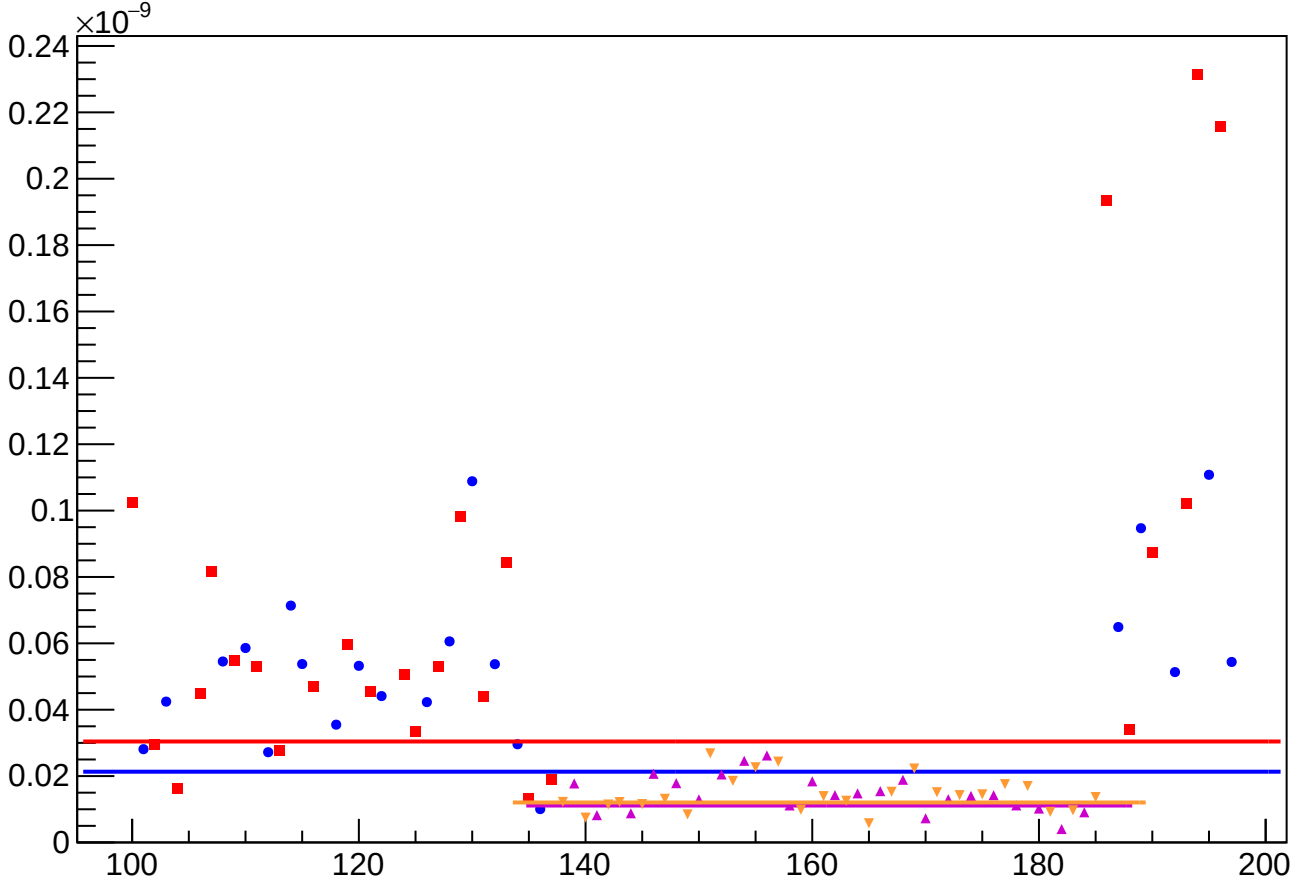
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/45

All: 0.000+/-0.000 χ^2/NDF: 109.3/93

- sign 0.000+/-0.000 χ^2/NDF: 56.6/47

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3280866.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

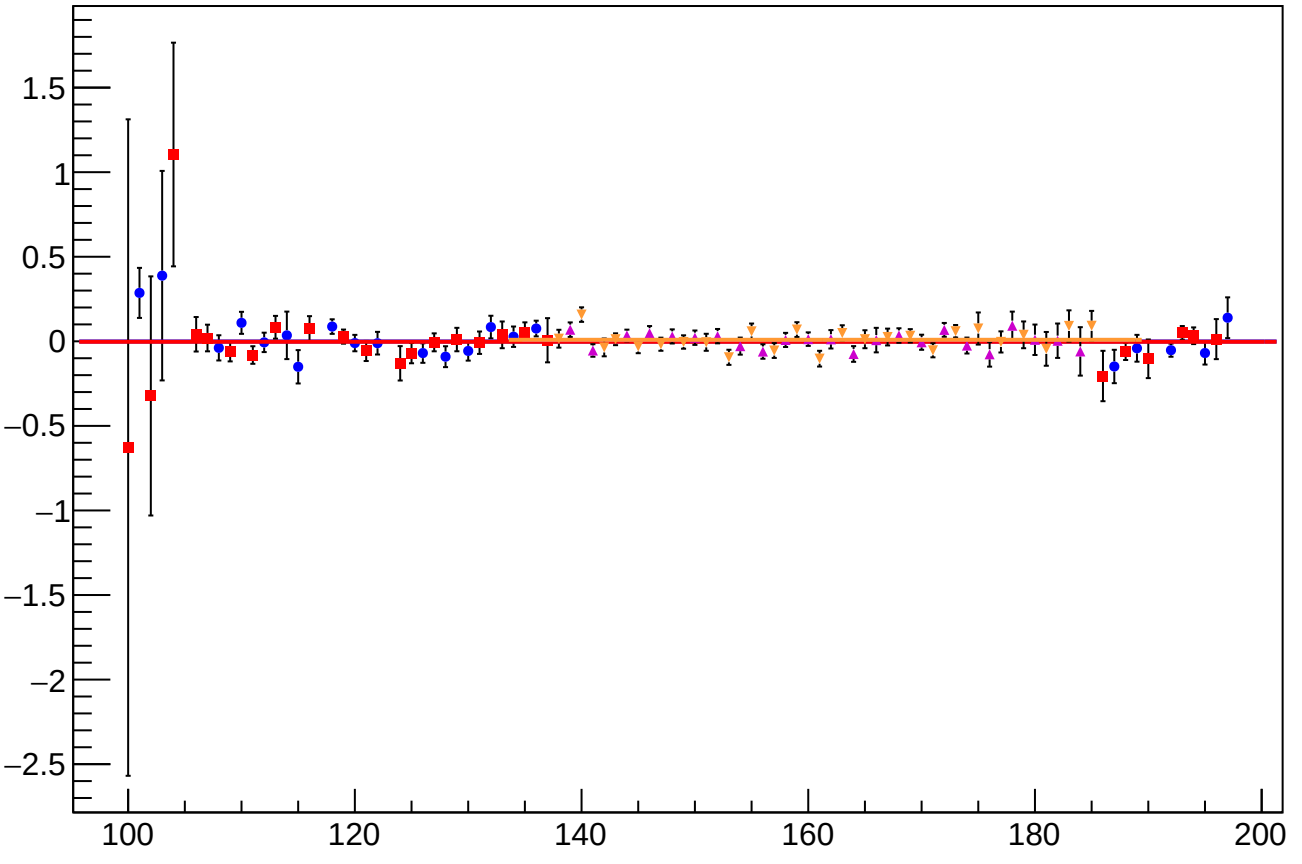
Right Out: 0.000+/-0.000 χ^2/NDF: 3709665.4/24

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5574316.3/45

All: 0.000+/-0.000 χ^2/NDF: 13609160.5/93

- sign 0.000+/-0.000 χ^2/NDF: 8014326.3/47



Right In: -0.001+/-0.014 χ^2/NDF: 29.6/20

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/24

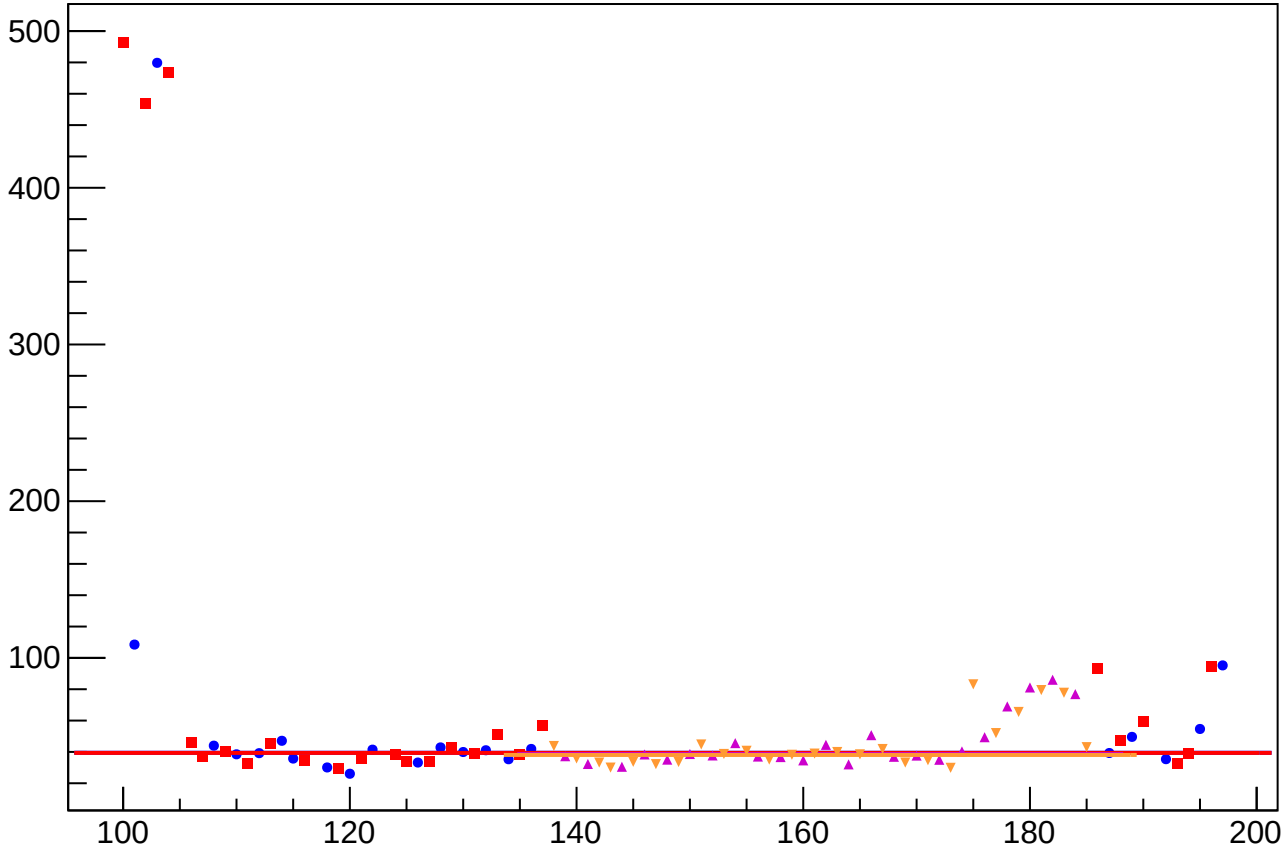
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.5/45

All: 0.005+/-0.006 χ^2/NDF: 108.8/93

- sign 0.004+/-0.008 χ^2/NDF: 40.3/47

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 39.458+/-0.010 χ^2/NDF: 2339763.8/20

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

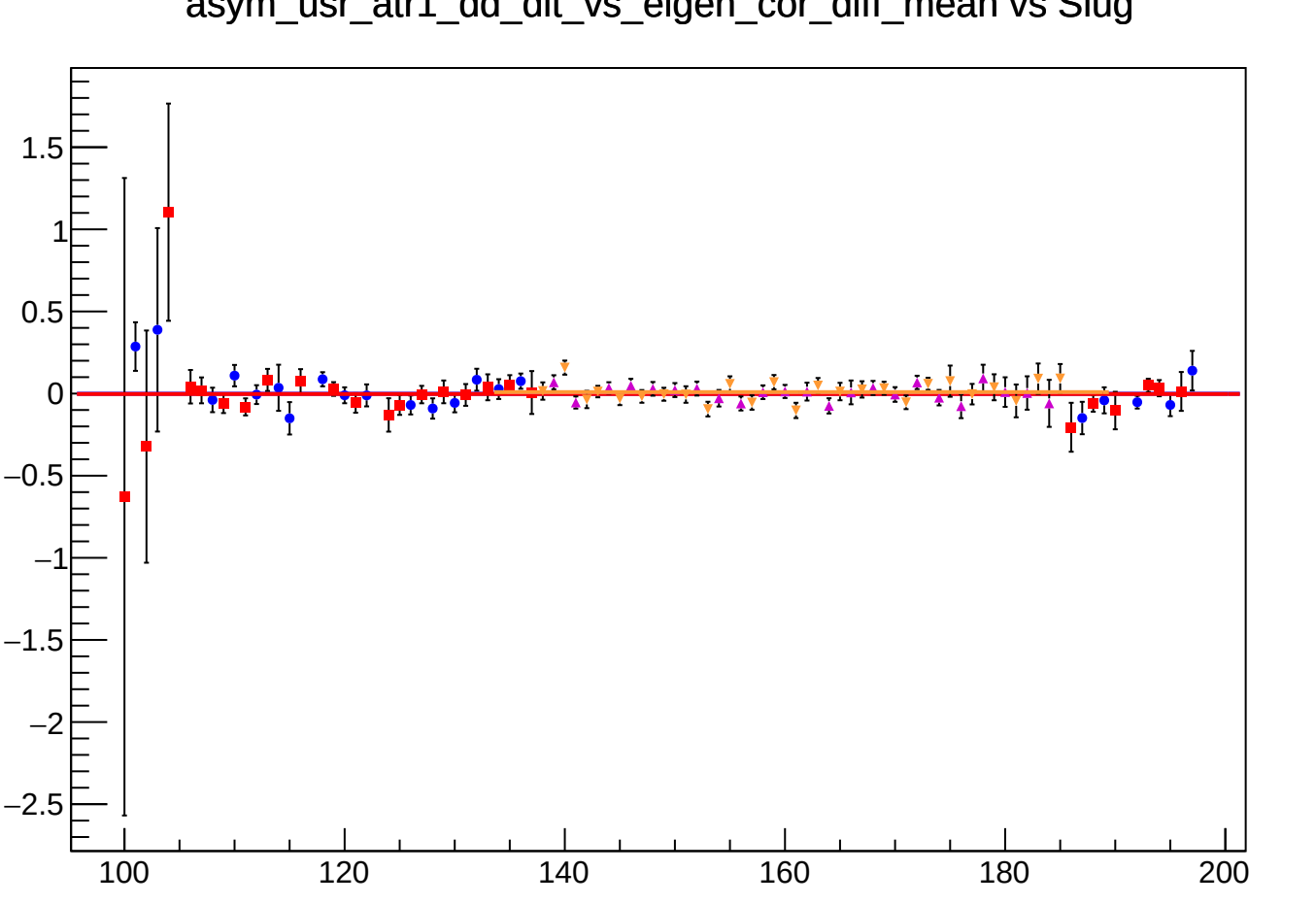
Right Out: 39.372+/-0.010 χ^2/NDF: 2835045.6/24

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.513+/-0.006 χ^2/NDF: 4320429.6/45

All: 38.699+/-0.004 χ^2/NDF: 8889319.0/93

- sign 38.890+/-0.006 χ^2/NDF: 4566638.3/47



Right In: -0.001+/-0.014 χ^2/NDF: 29.6/20

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

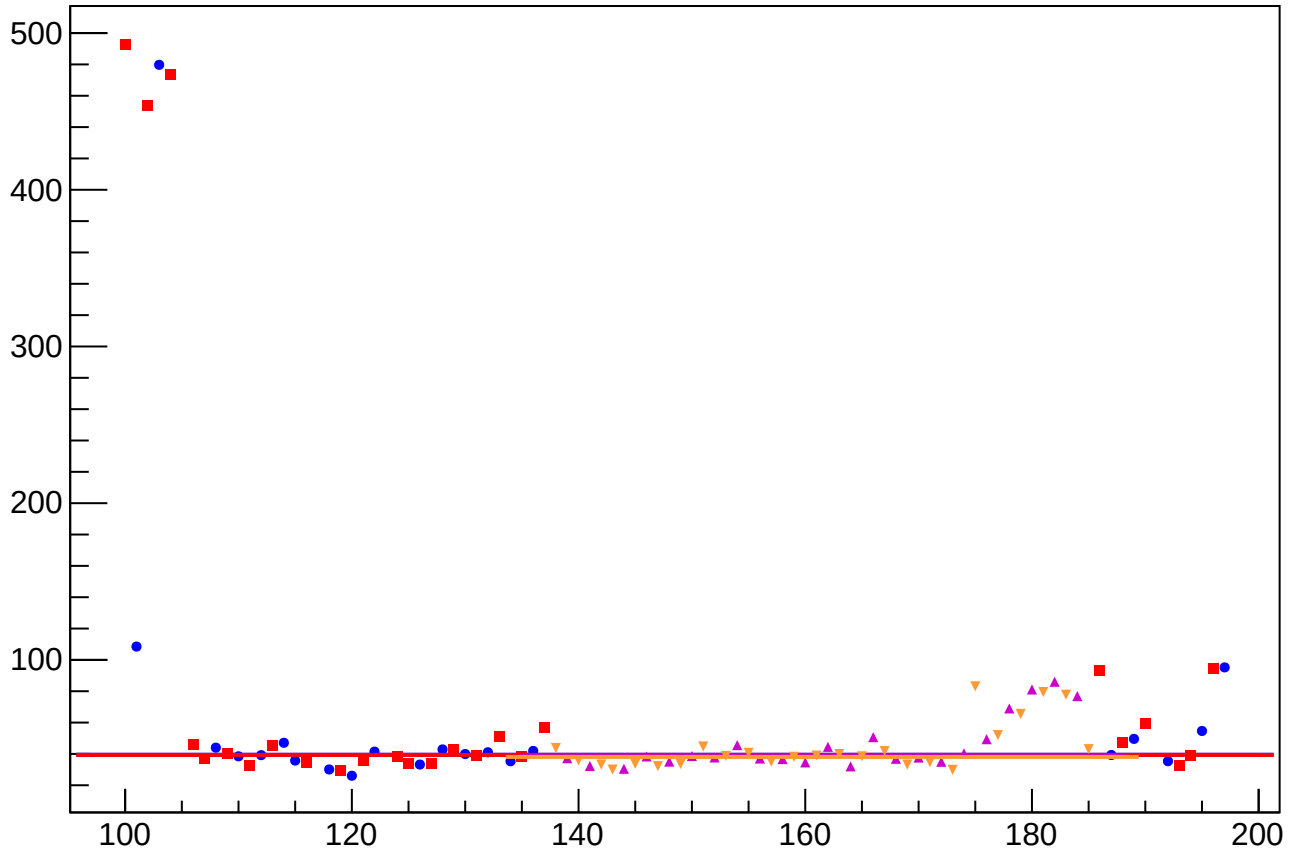
Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/24

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.5/45

All: 0.005+/-0.006 χ^2/NDF: 108.8/93

- sign 0.004+/-0.008 χ^2/NDF: 40.3/47



Right In: 39.458+/-0.010 χ^2/NDF: 2339763.8/20

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 39.372+/-0.010 χ^2/NDF: 2835045.6/24

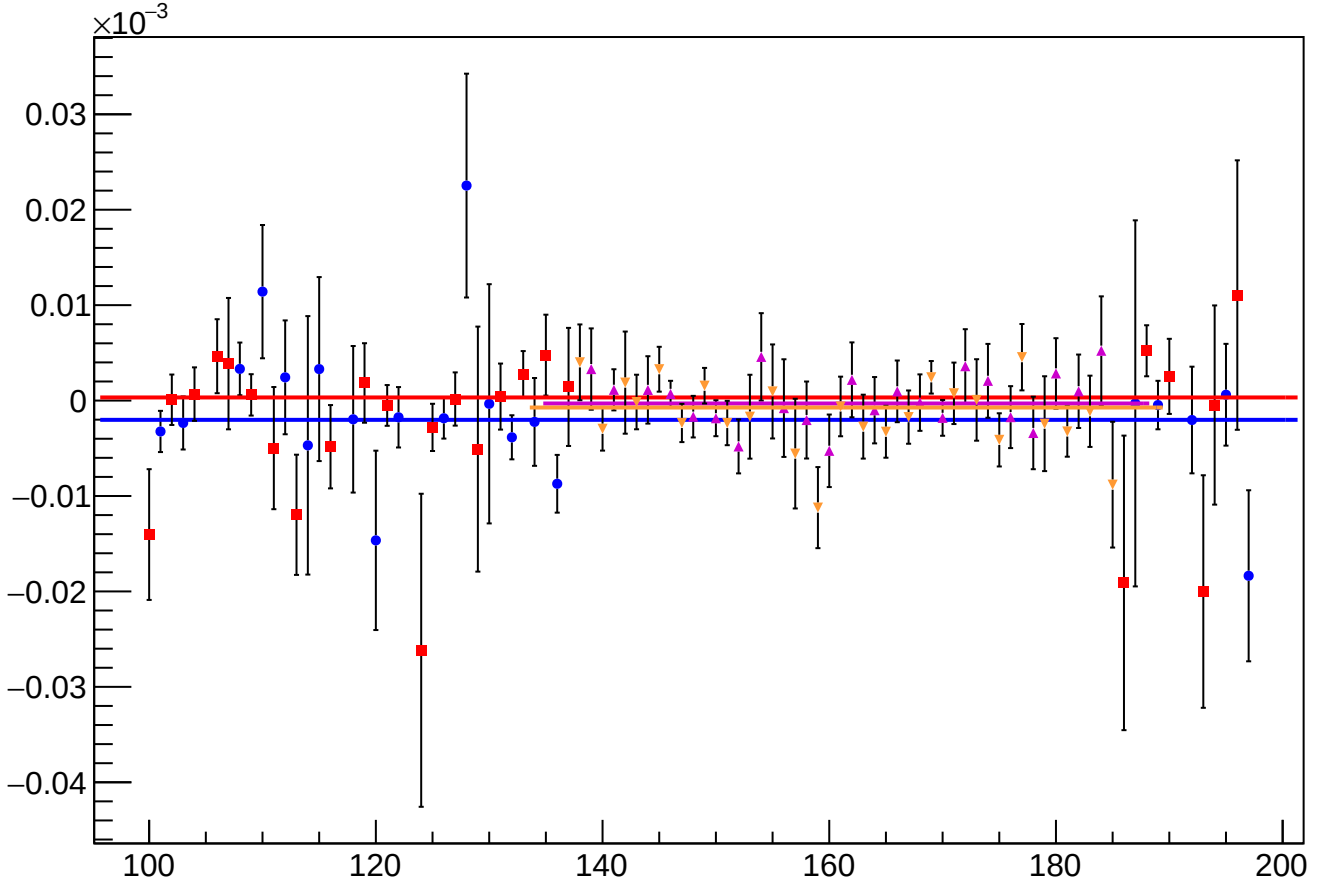
Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.513+/-0.006 χ^2/NDF: 4320429.6/45

All: 38.699+/-0.004 χ^2/NDF: 8889319.0/93

\- sign 38.890+/-0.006 χ^2/NDF: 4566638.3/47

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/24

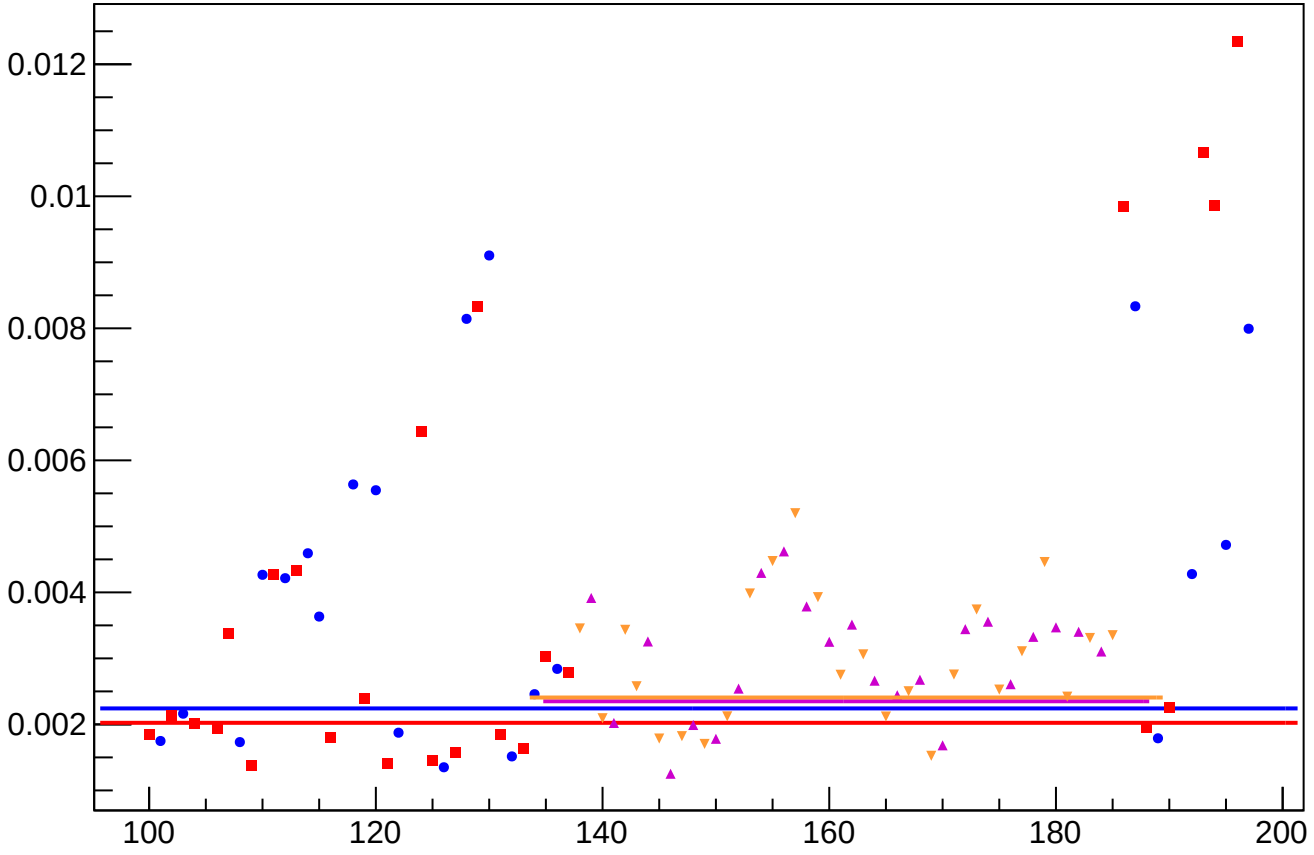
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.6/45

All: -0.000+/-0.000 χ^2/NDF: 96.8/93

- sign -0.000+/-0.000 χ^2/NDF: 41.5/47

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4849815.7/20

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

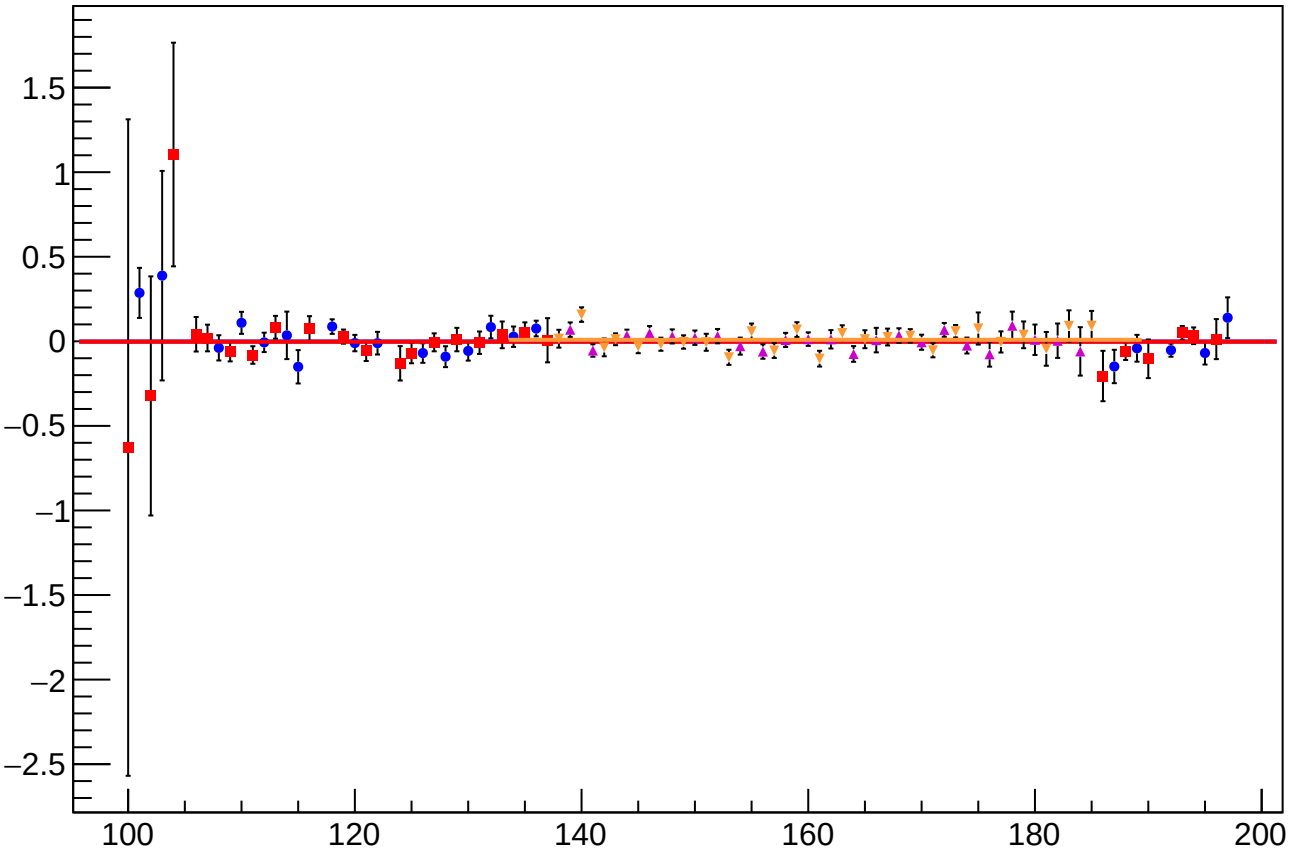
Right Out: 0.002+/-0.000 χ^2/NDF: 5676470.0/24

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 8586536.5/45

All: 0.002+/-0.000 χ^2/NDF: 19015105.0/93

- sign 0.002+/-0.000 χ^2/NDF: 10352127.6/47



Right In: -0.001+/-0.014 χ^2/NDF: 29.6/20

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/24

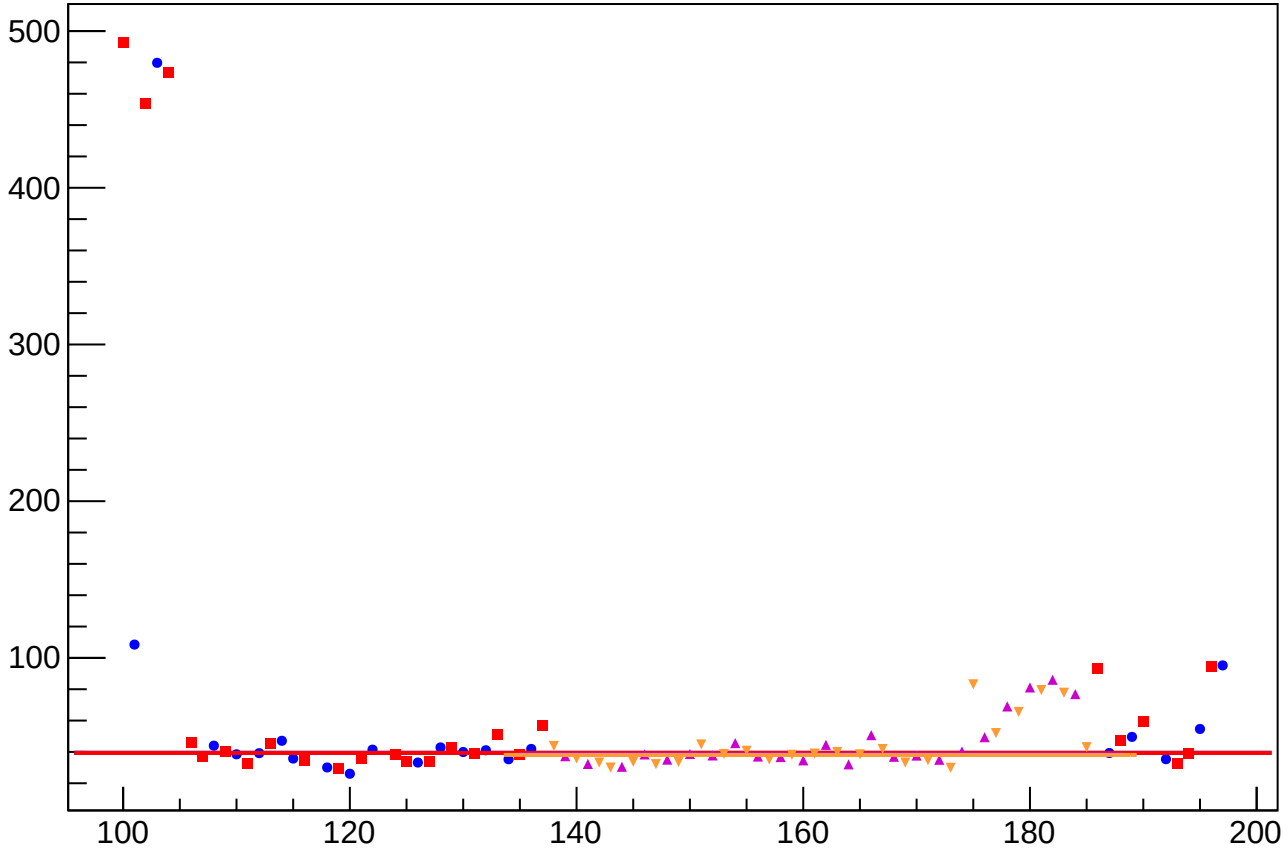
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.5/45

All: 0.005+/-0.006 χ^2/NDF: 108.8/93

- sign 0.004+/-0.008 χ^2/NDF: 40.3/47

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.458+/-0.010 χ^2/NDF: 2339807.7/20

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

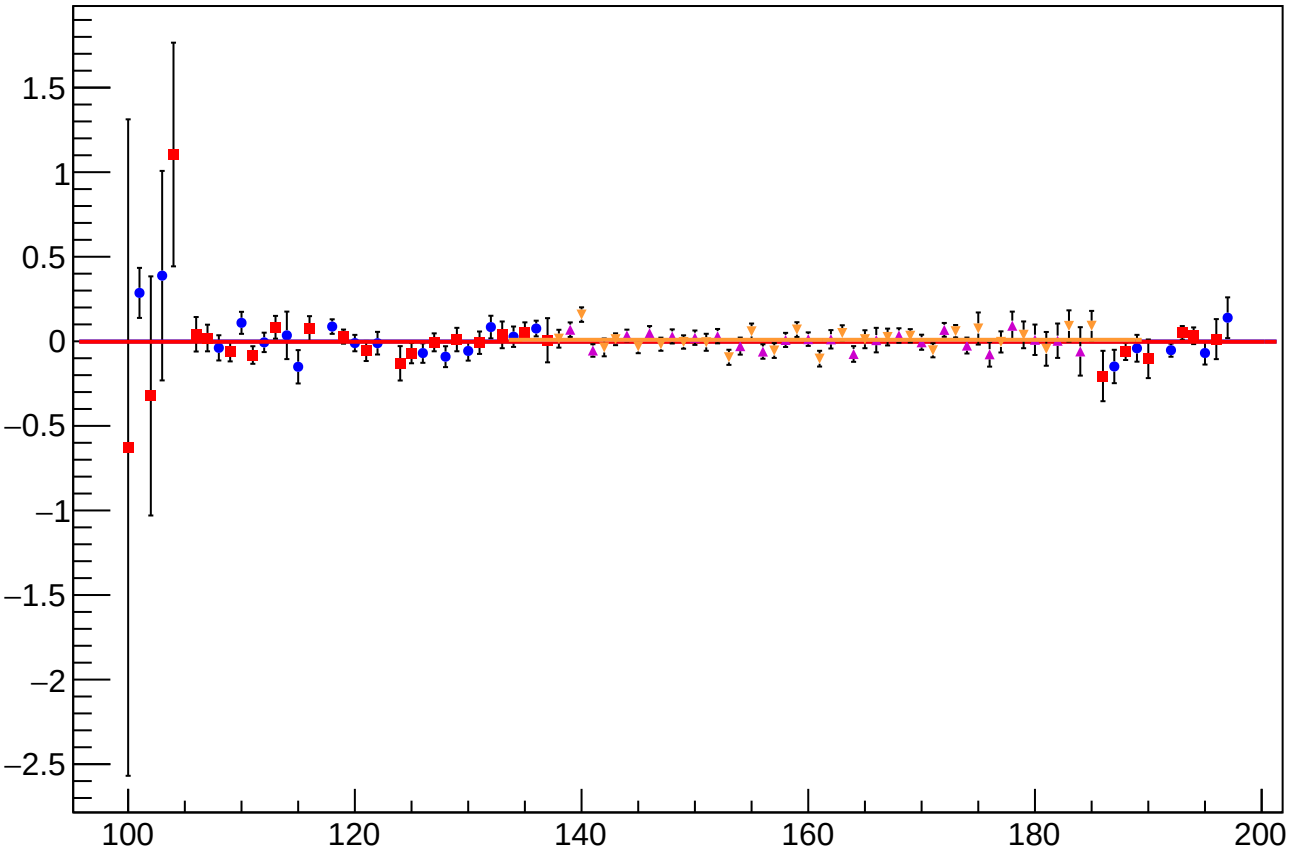
Right Out: 39.369+/-0.010 χ^2/NDF: 2835252.7/24

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.513+/-0.006 χ^2/NDF: 4320455.1/45

All: 38.698+/-0.004 χ^2/NDF: 8889540.8/93

\- sign 38.889+/-0.006 χ^2/NDF: 4566846.8/47



Right In: -0.001+/-0.014 χ^2/NDF: 29.6/20

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

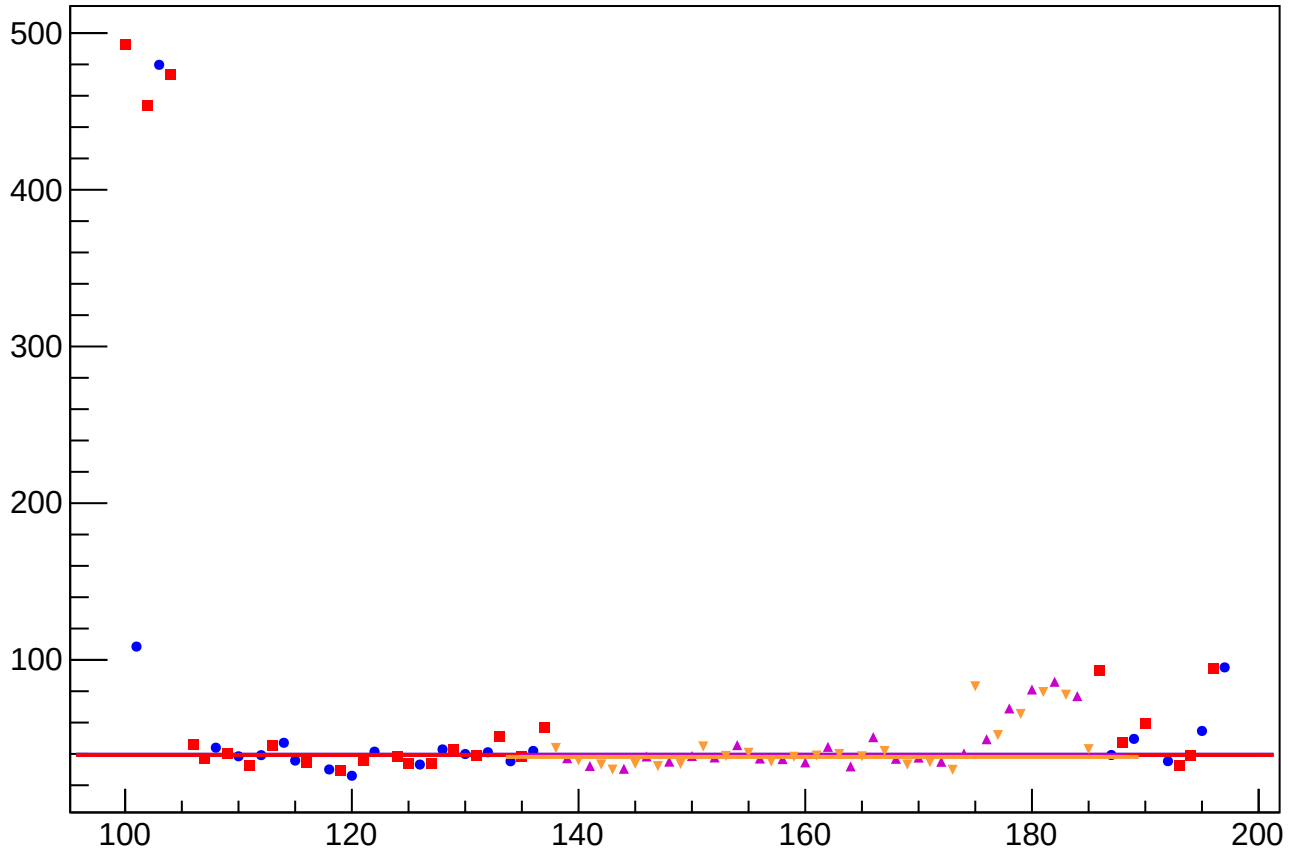
Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/24

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 68.5/45

All: 0.005+/-0.006 χ^2/NDF: 108.8/93

- sign 0.004+/-0.008 χ^2/NDF: 40.3/47



Right In: 39.458+/-0.010 χ^2/NDF: 2339807.7/20

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

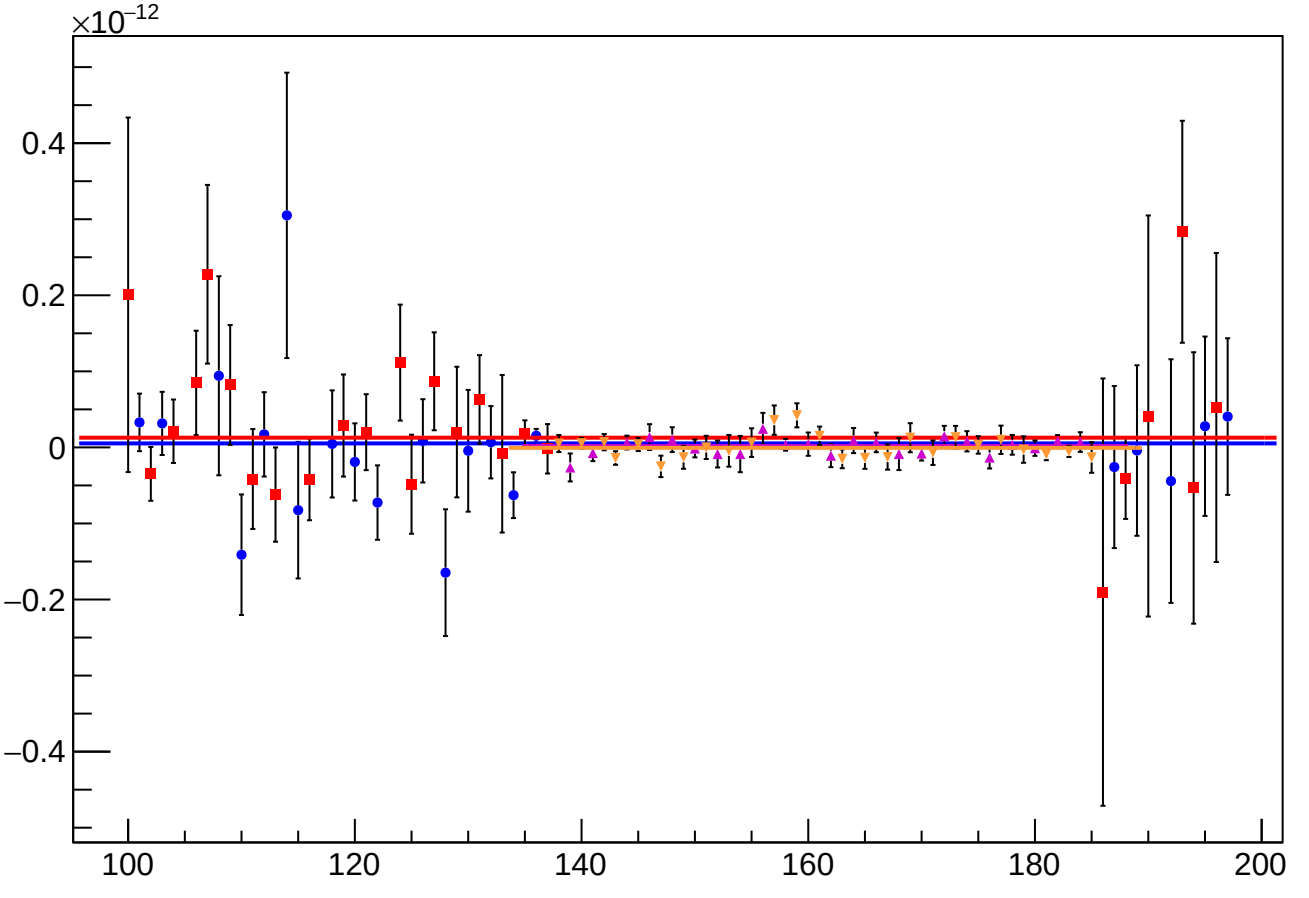
Right Out: 39.369+/-0.010 χ^2/NDF: 2835252.7/24

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.513+/-0.006 χ^2/NDF: 4320455.1/45

All: 38.698+/-0.004 χ^2/NDF: 8889540.8/93

\- sign 38.889+/-0.006 χ^2/NDF: 4566846.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

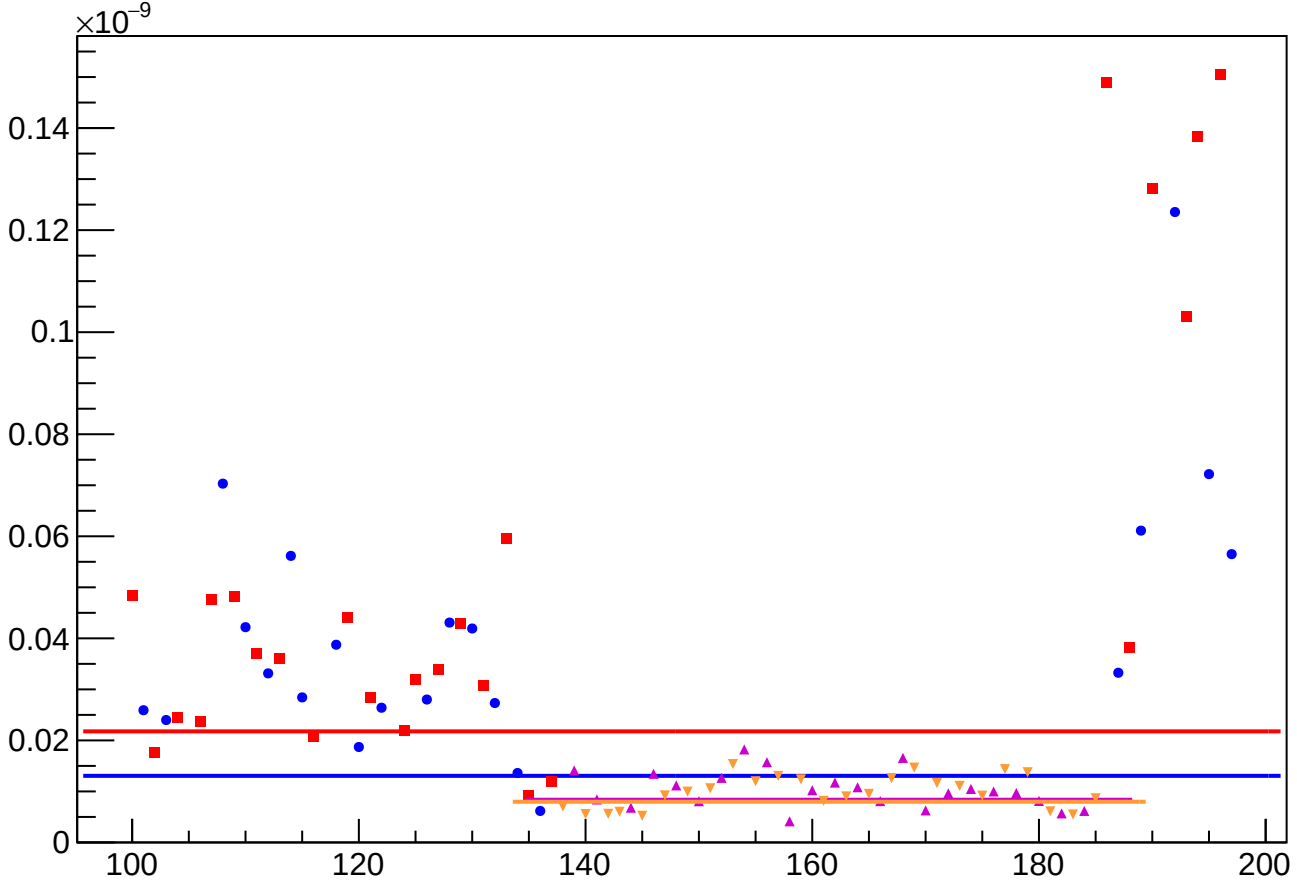
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/24

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.5/45

All: 0.000+/-0.000 χ^2/NDF: 83.8/93

- sign 0.000+/-0.000 χ^2/NDF: 33.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 6157606.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5908064.9/24

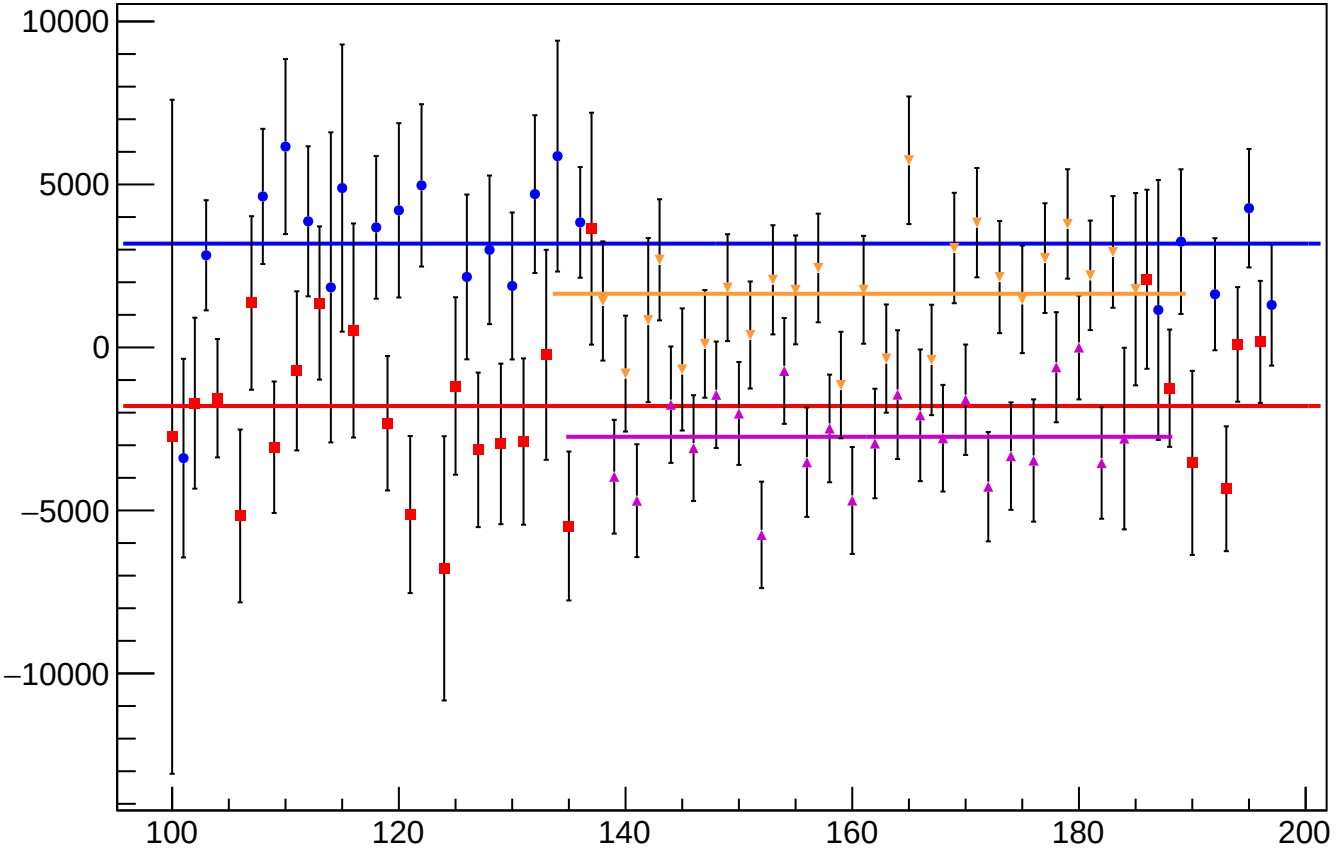
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9824027.9/45

All: 0.000+/-0.000 χ^2/NDF: 21796796.9/93

- sign 0.000+/-0.000 χ^2/NDF: 11885166.1/47

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3184.962+/-502.319 χ^2/NDF: 11.5/20

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1795.941+/-479.779 χ^2/NDF: 21.9/24

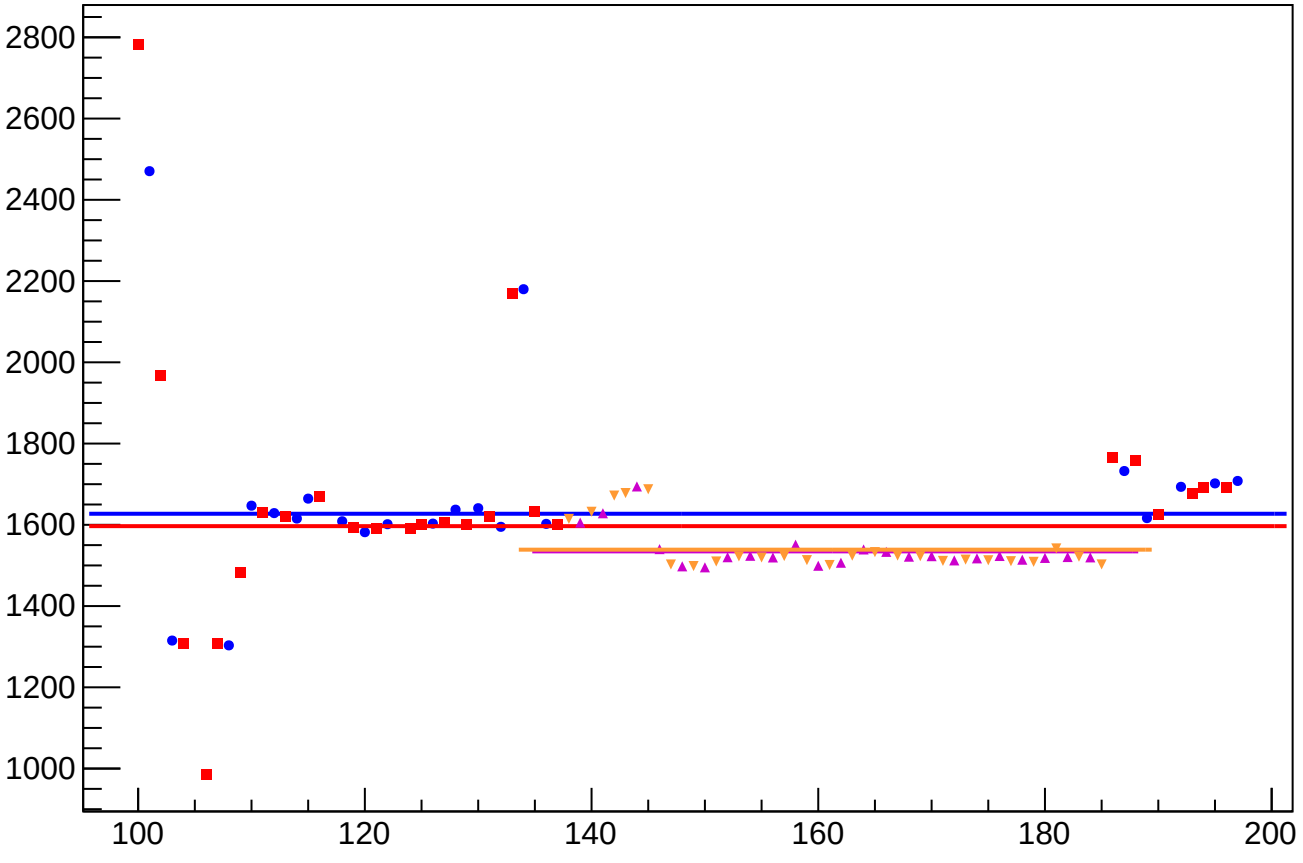
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2148.767+/-287.033 χ^2/NDF: 38.9/45

All: -125.797+/-203.008 χ^2/NDF: 205.3/93

- sign -2402.397+/-287.161 χ^2/NDF: 40.8/47

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1627.220+/-0.355 χ^2/NDF: 332824.7/20

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1596.729+/-0.335 χ^2/NDF: 430649.0/24

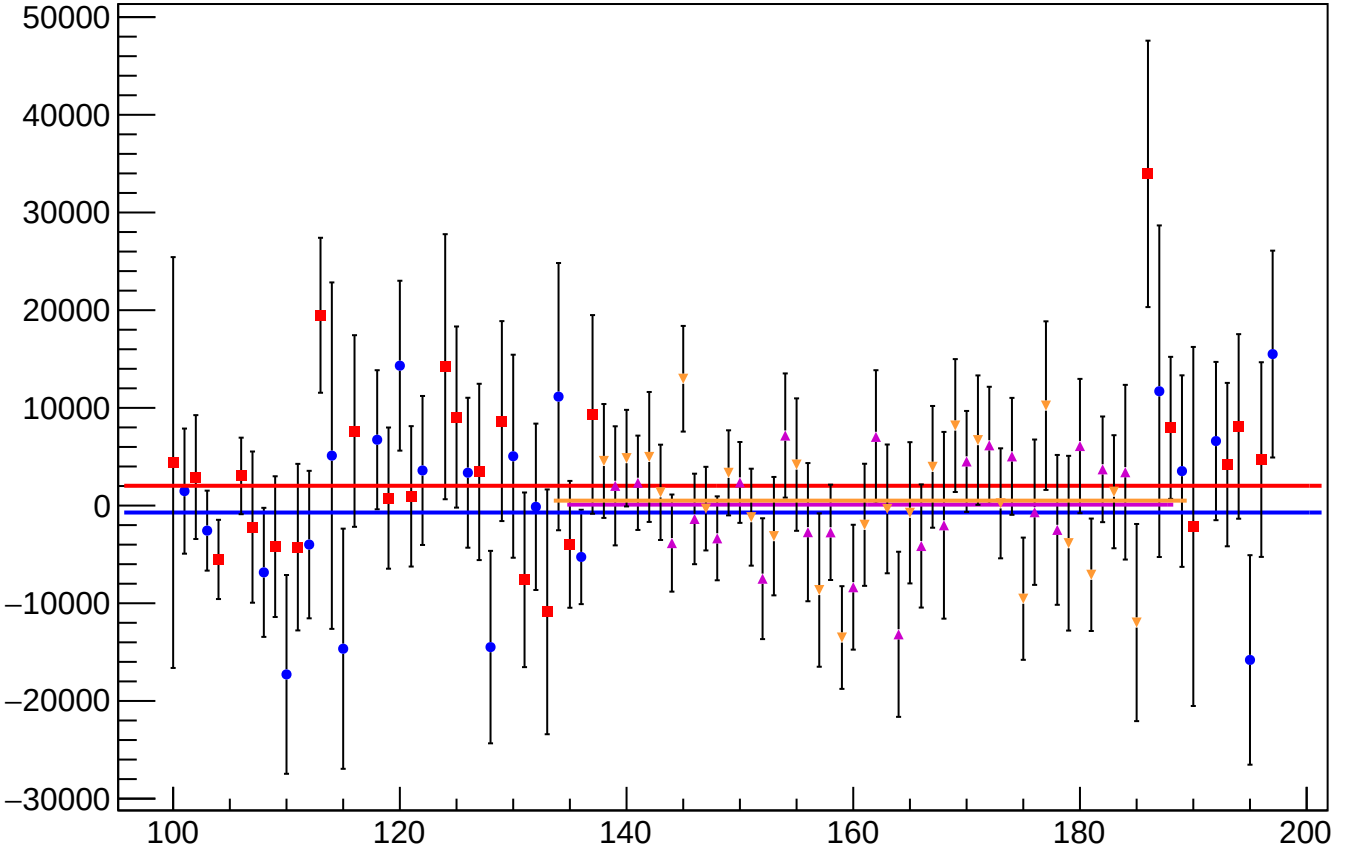
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1567.677+/-0.203 χ^2/NDF: 421606.5/45

All: 1562.414+/-0.143 χ^2/NDF: 906541.4/93

- sign 1557.189+/-0.202 χ^2/NDF: 483595.0/47

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -711.979+/-1716.344 χ^2/NDF: 19.9/20

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 2026.360+/-1539.900 χ^2/NDF: 22.5/24

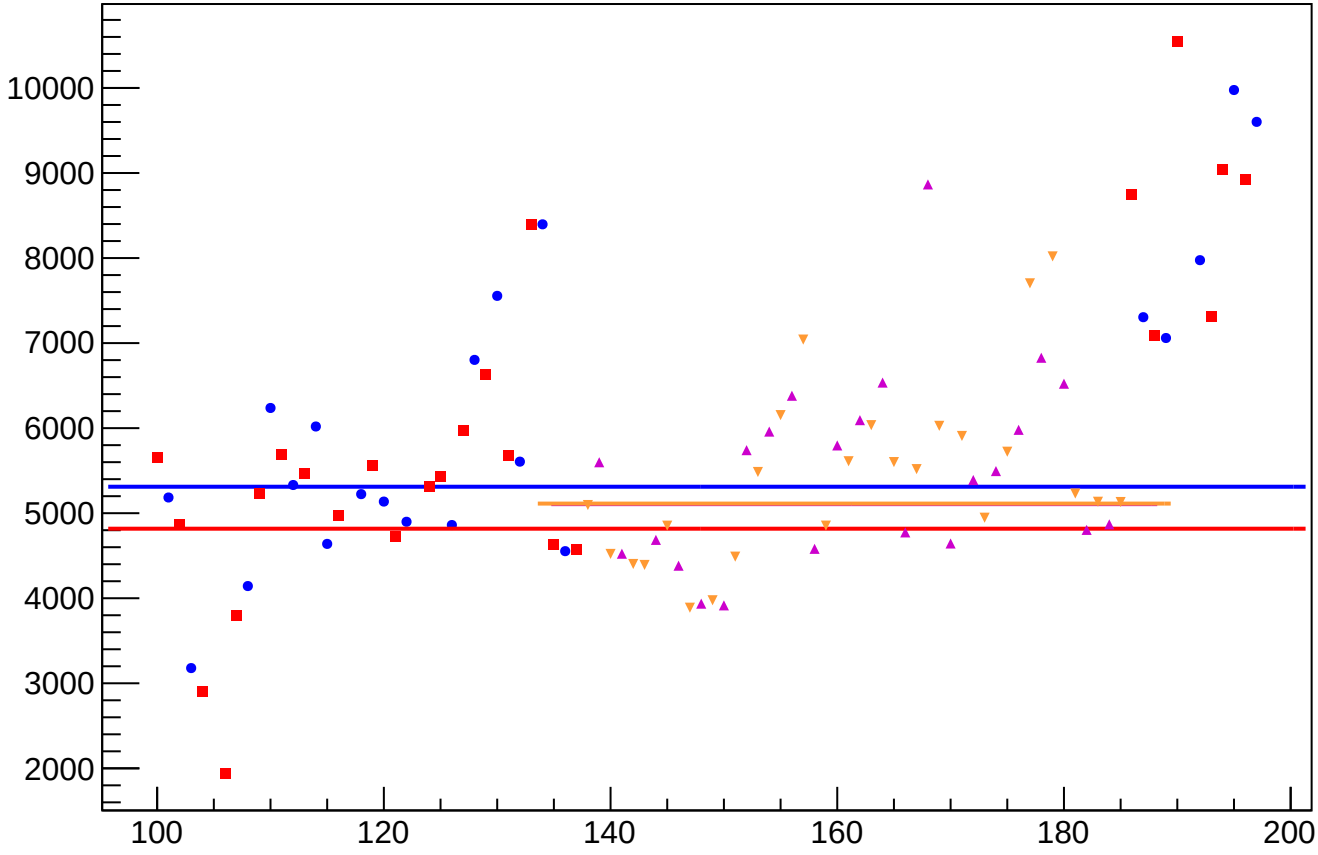
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign 110.337+/-976.441 χ^2/NDF: 47.0/45

All: 483.109+/-682.776 χ^2/NDF: 85.7/93

- sign 839.762+/-955.096 χ^2/NDF: 38.4/47

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5311.189+/-1.214 χ^2/NDF: 1952656.8/20

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4817.674+/-1.089 χ^2/NDF: 3389525.4/24

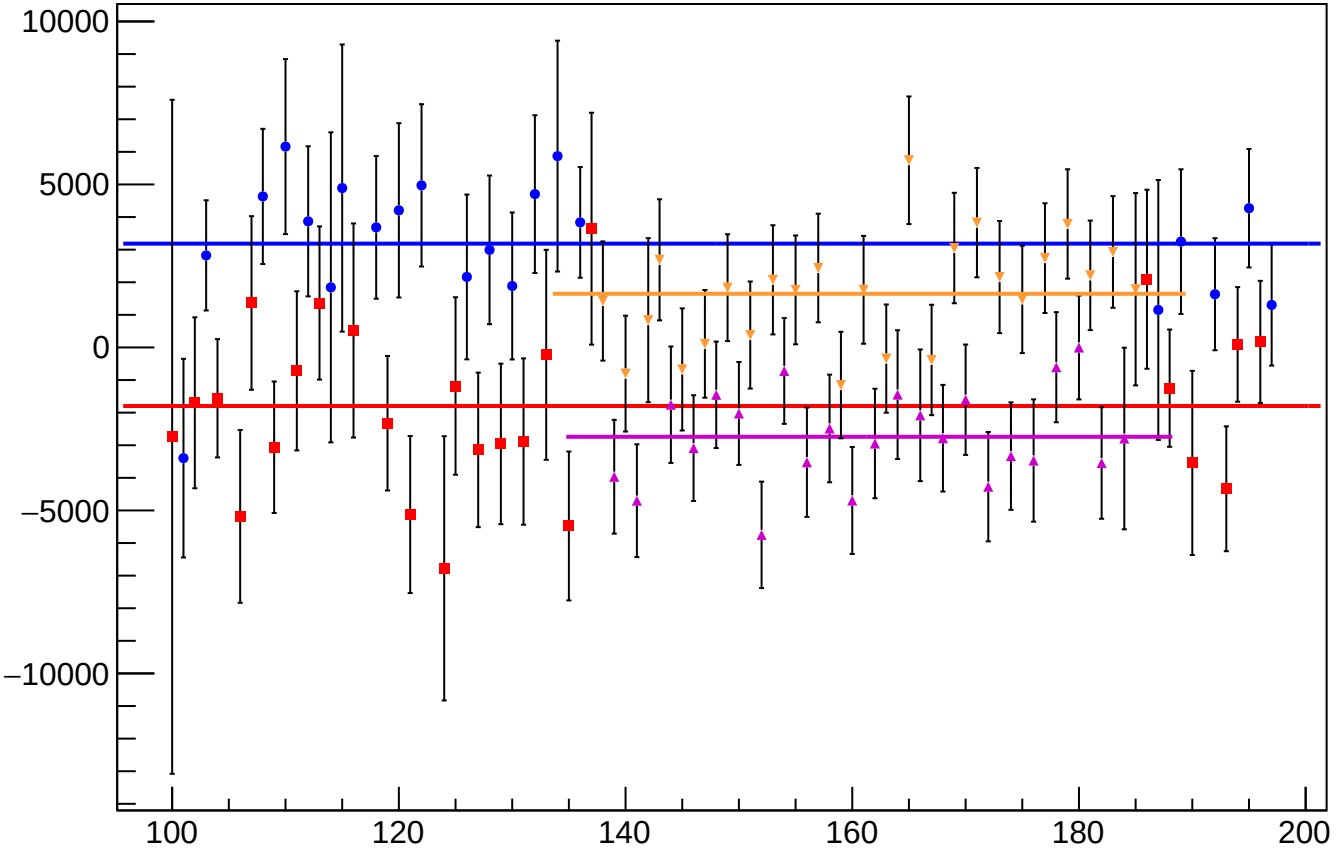
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5177.114+/-0.690 χ^2/NDF: 3129711.9/45

All: 5084.209+/-0.483 χ^2/NDF: 7849546.1/93

- sign 4995.322+/-0.675 χ^2/NDF: 4684405.9/47

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3184.759+/-502.319 χ^2/NDF: 11.5/20

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1795.915+/-479.781 χ^2/NDF: 21.9/24

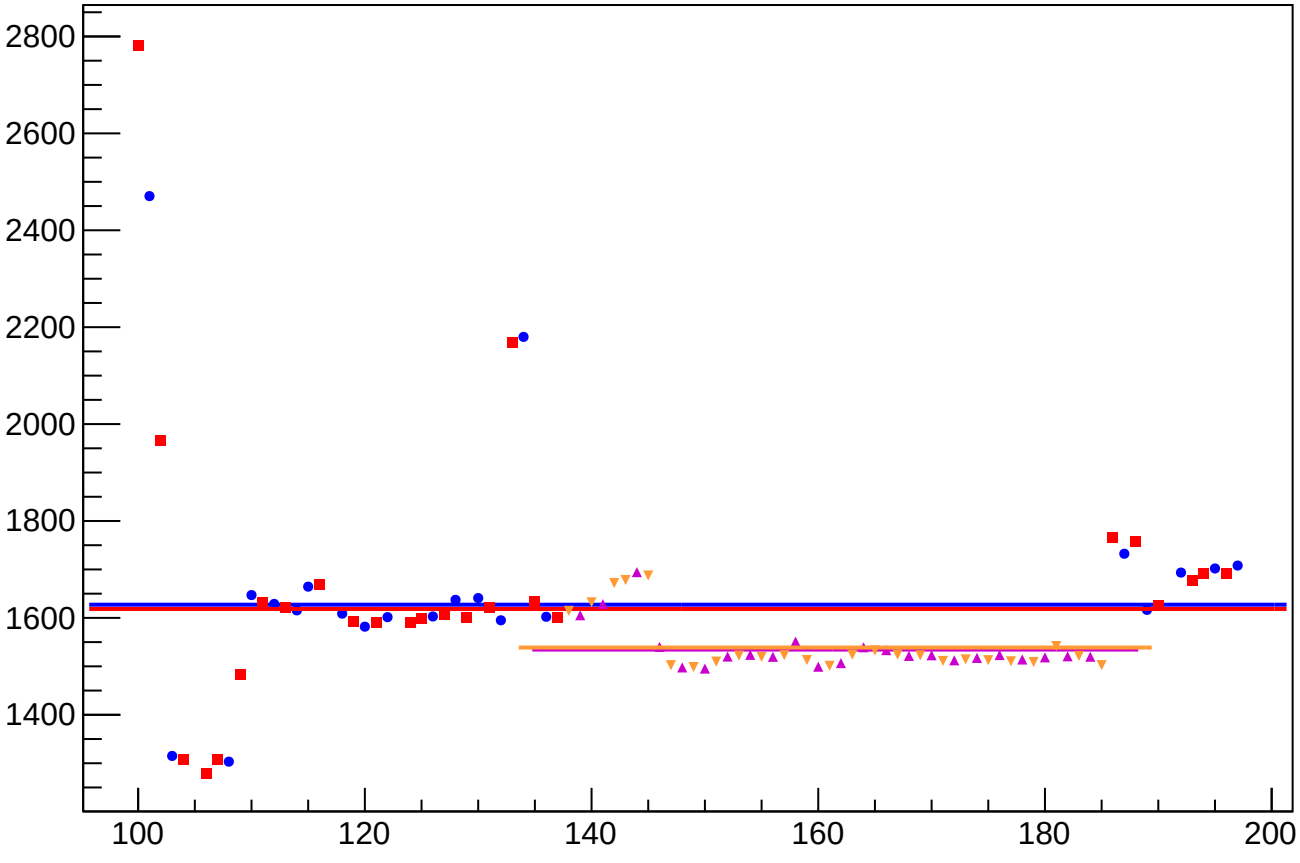
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2148.628+/-287.033 χ^2/NDF: 38.9/45

All: -125.828+/-203.008 χ^2/NDF: 205.4/93

- sign -2402.326+/-287.162 χ^2/NDF: 40.8/47

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1627.220+/-0.355 χ^2/NDF: 332823.7/20

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1618.415+/-0.338 χ^2/NDF: 280130.6/24

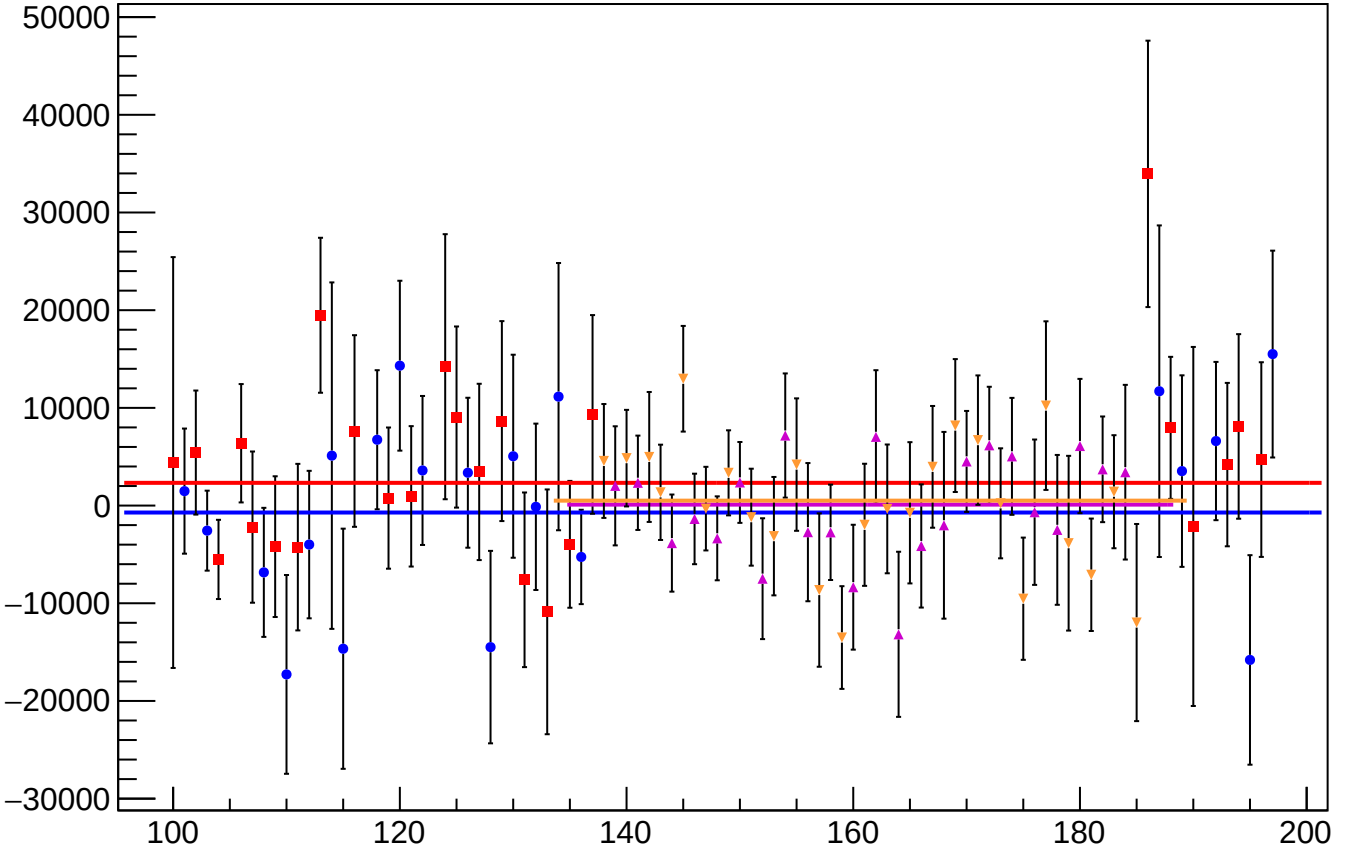
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1567.677+/-0.203 χ^2/NDF: 421605.7/45

All: 1566.206+/-0.143 χ^2/NDF: 772251.9/93

- sign 1564.736+/-0.203 χ^2/NDF: 350541.2/47

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -712.141+/-1716.374 χ^2/NDF: 19.9/20

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2326.518+/-1614.372 χ^2/NDF: 23.2/24

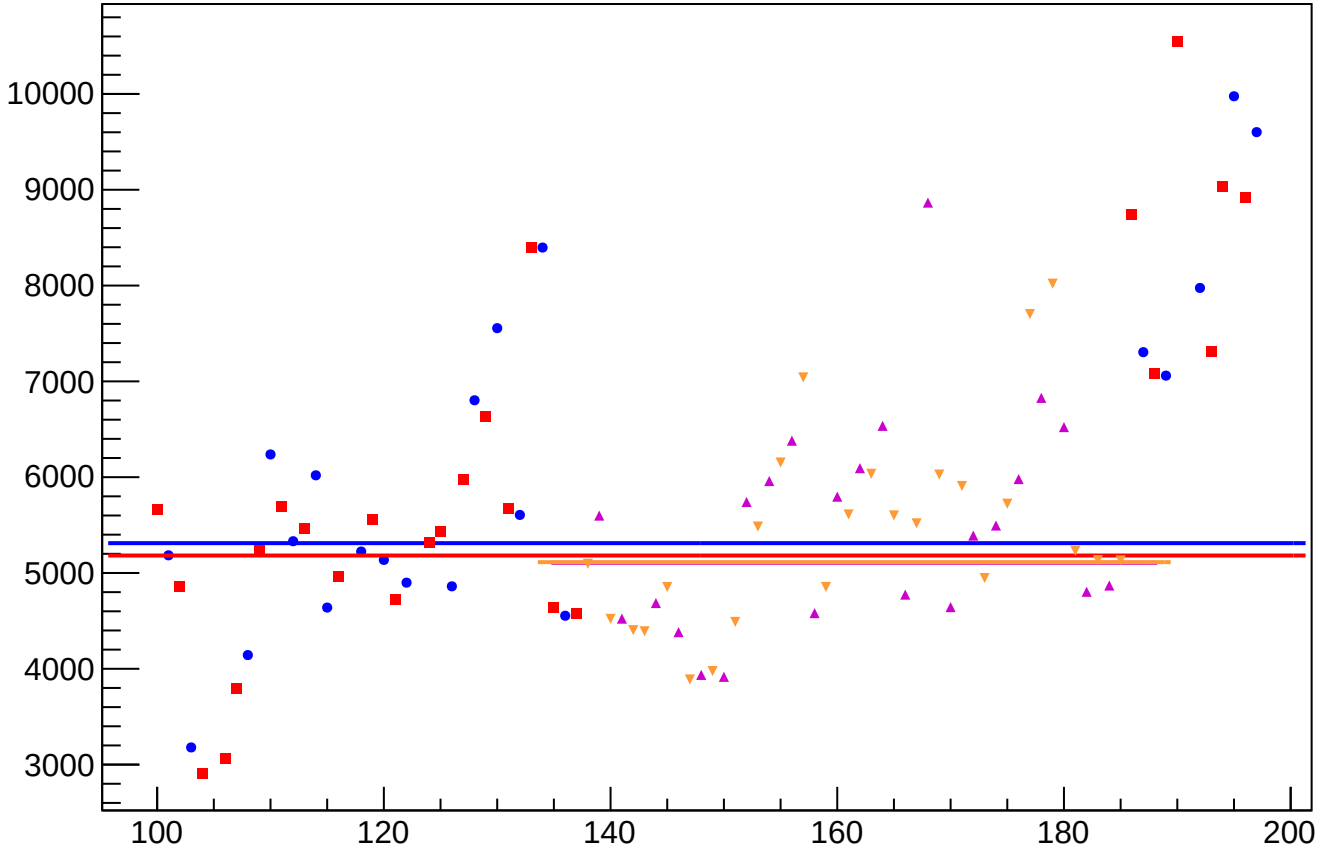
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 110.297+/-976.445 χ^2/NDF: 47.0/45

All: 509.918+/-688.909 χ^2/NDF: 86.7/93

\- sign 905.987+/-972.097 χ^2/NDF: 39.3/47

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5311.324+/-1.214 χ^2/NDF: 1952377.7/20

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5182.352+/-1.142 χ^2/NDF: 2373975.2/24

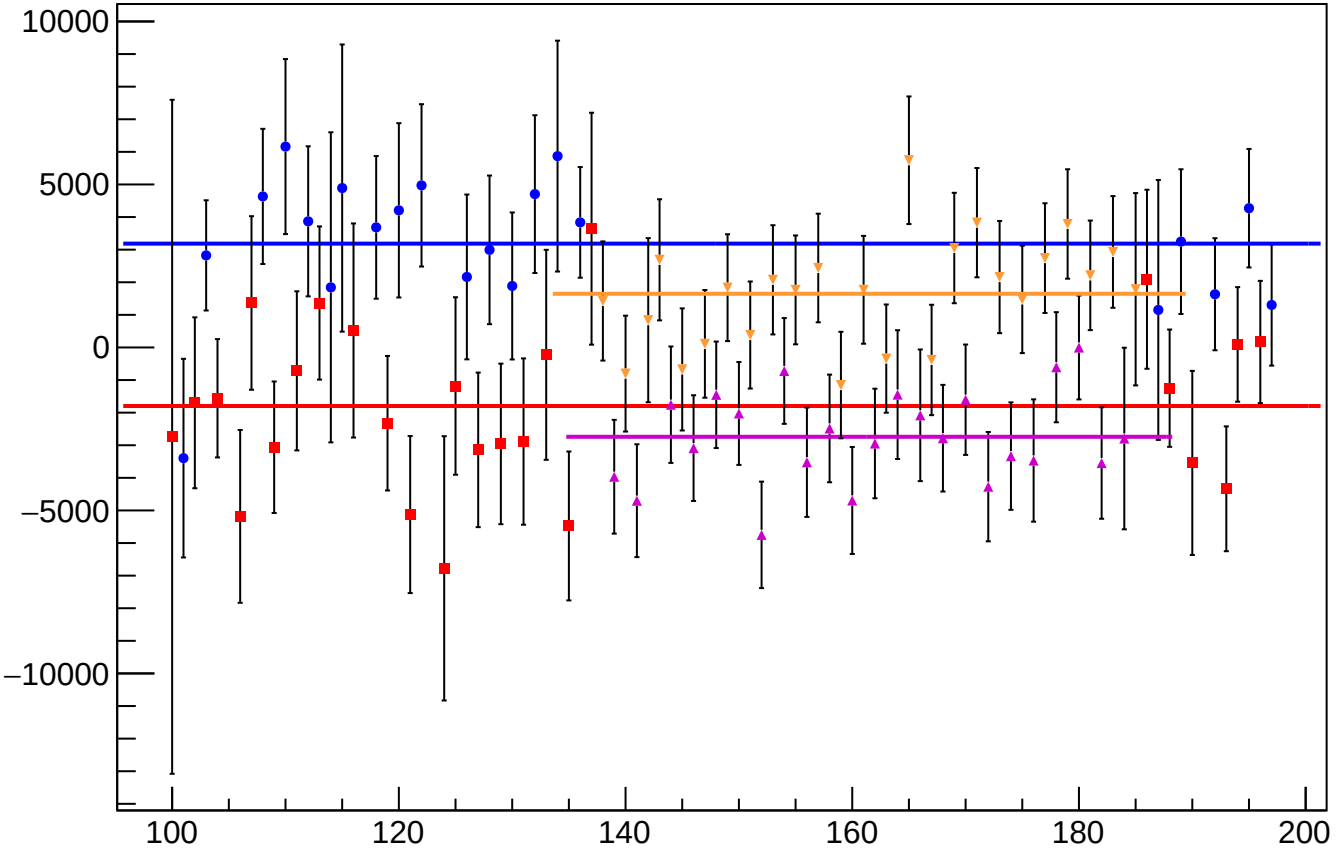
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5177.151+/-0.690 χ^2/NDF: 3129471.1/45

All: 5155.443+/-0.487 χ^2/NDF: 6759860.2/93

- sign 5133.929+/-0.687 χ^2/NDF: 3628421.0/47

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3184.759+/-502.319 χ^2/NDF: 11.5/20

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1795.915+/-479.781 χ^2/NDF: 21.9/24

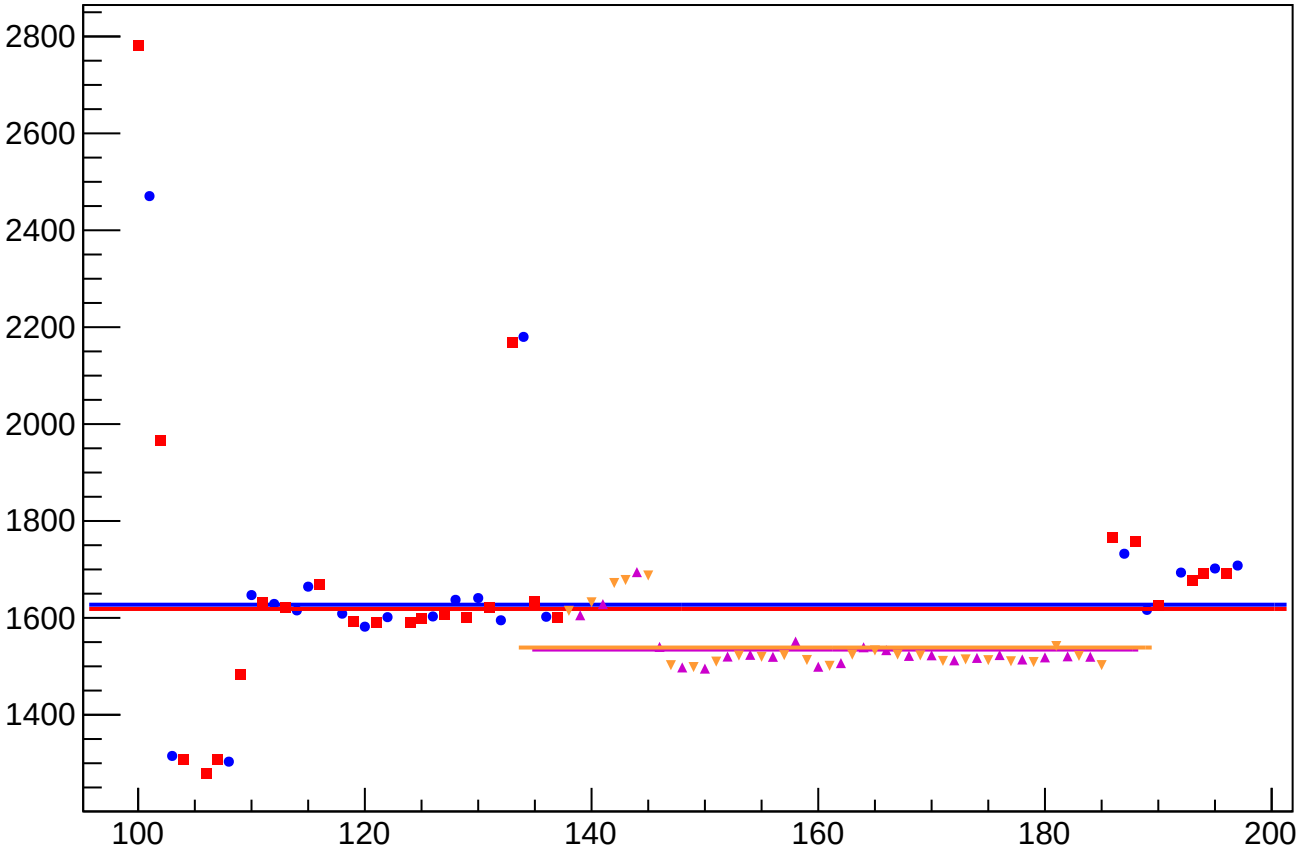
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2148.628+/-287.033 χ^2/NDF: 38.9/45

All: -125.828+/-203.008 χ^2/NDF: 205.4/93

- sign -2402.326+/-287.162 χ^2/NDF: 40.8/47

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1627.220+/-0.355 χ^2/NDF: 332823.7/20

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

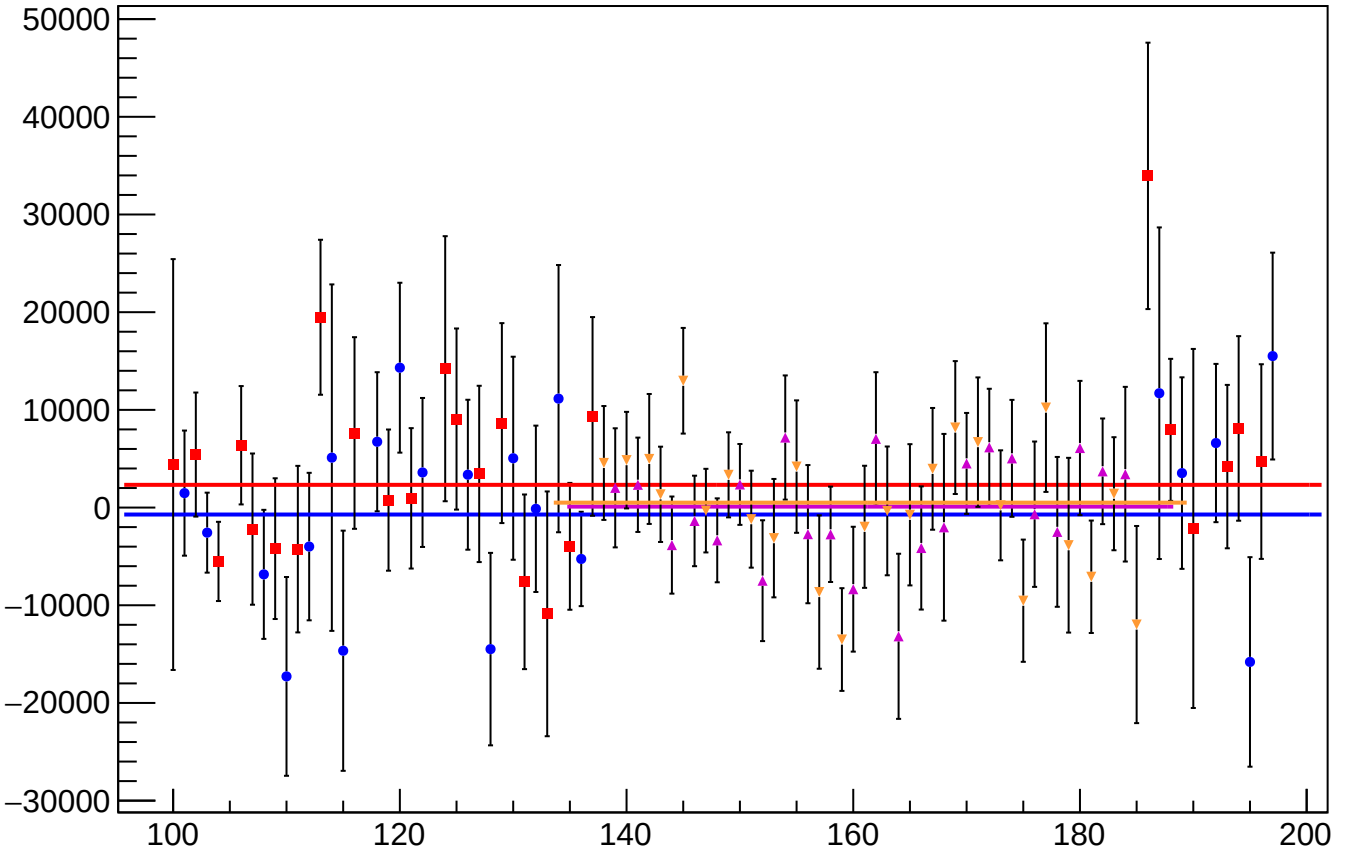
Right Out: 1618.415+/-0.338 χ^2/NDF: 280130.6/24

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1567.677+/-0.203 χ^2/NDF: 421605.7/45

All: 1566.206+/-0.143 χ^2/NDF: 772251.9/93

- sign 1564.736+/-0.203 χ^2/NDF: 350541.2/47



Right In: -712.141+/-1716.374 χ^2/NDF: 19.9/20

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

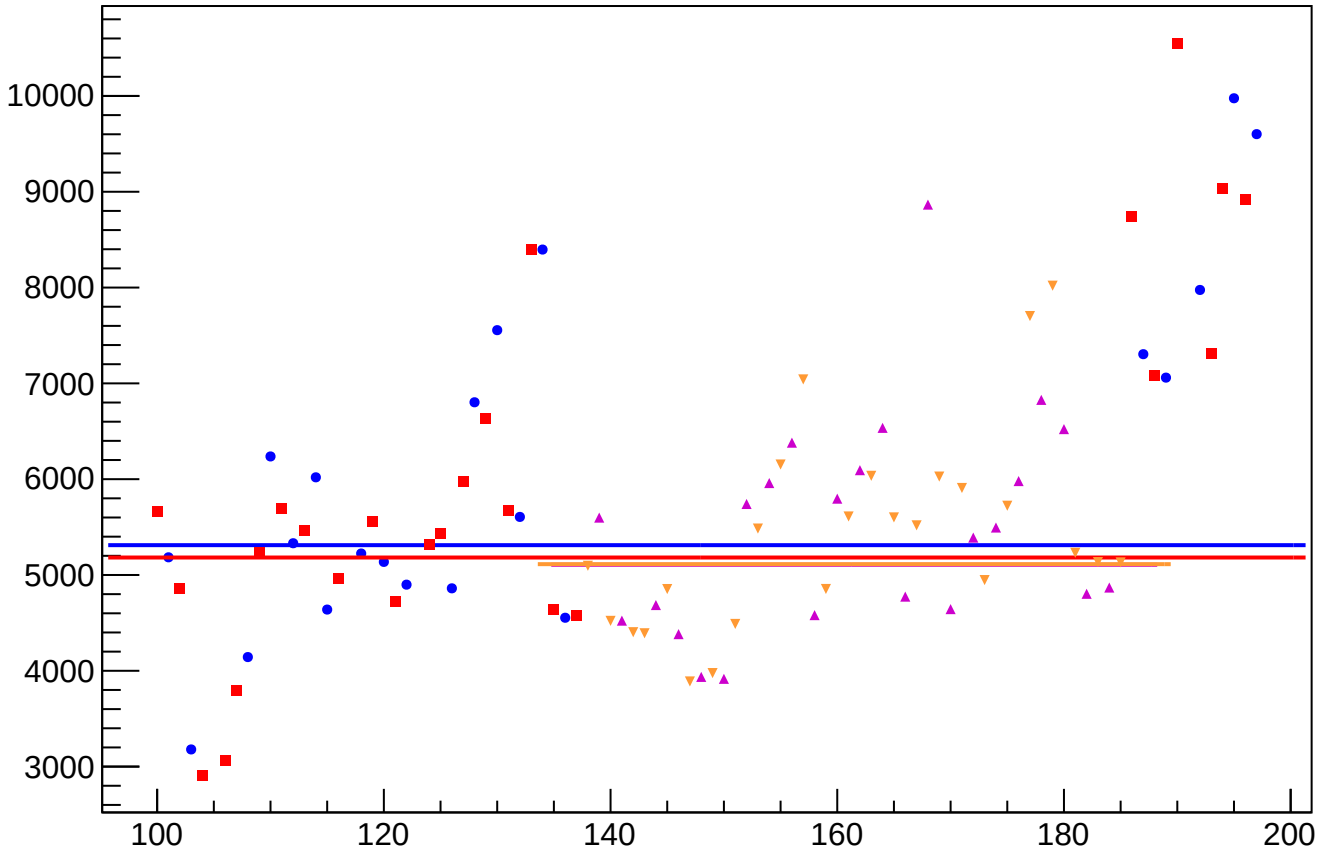
Right Out: 2326.518+/-1614.372 χ^2/NDF: 23.2/24

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 110.297+/-976.445 χ^2/NDF: 47.0/45

All: 509.918+/-688.909 χ^2/NDF: 86.7/93

\- sign 905.987+/-972.097 χ^2/NDF: 39.3/47



Right In: 5311.324+/-1.214 χ^2/NDF: 1952377.7/20

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5182.352+/-1.142 χ^2/NDF: 2373975.2/24

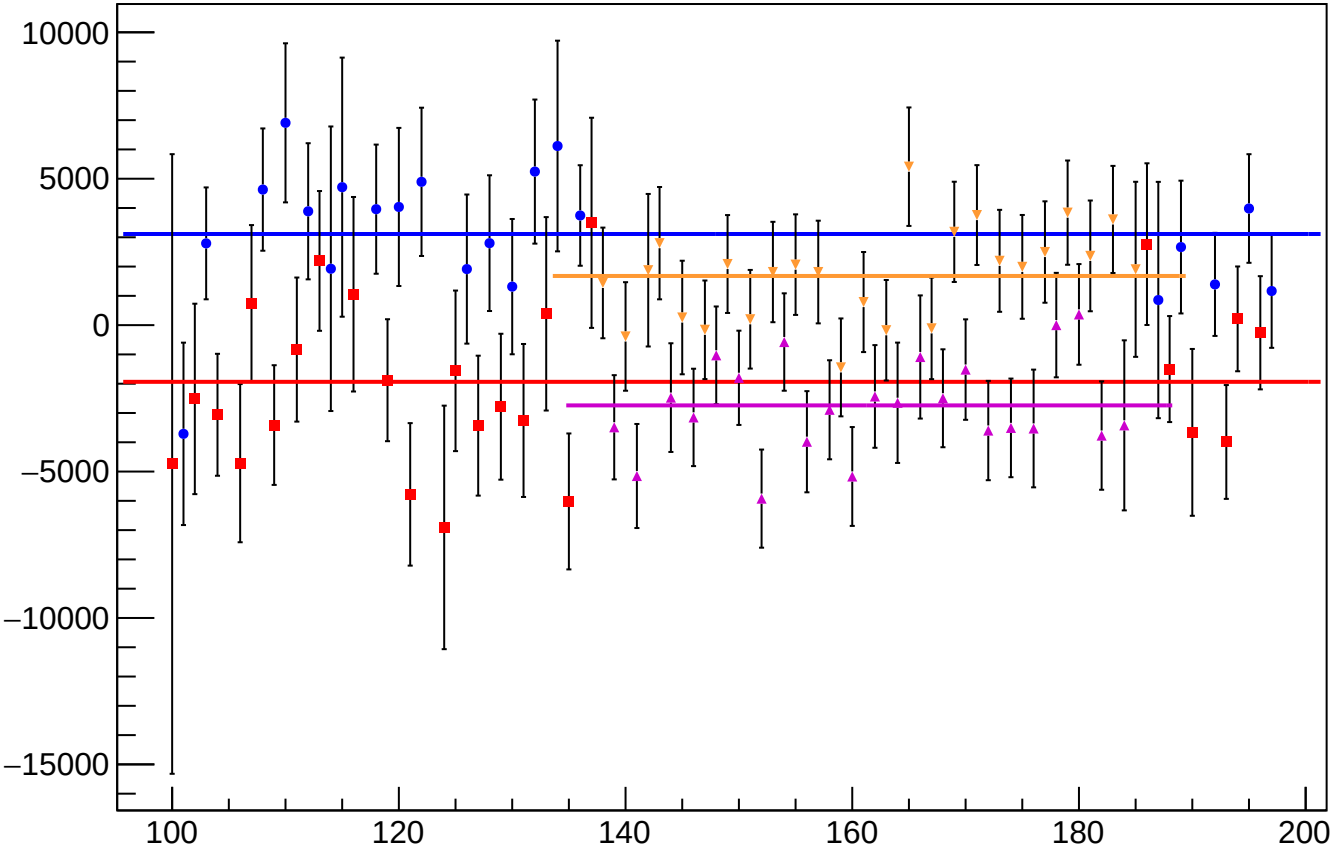
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5177.151+/-0.690 χ^2/NDF: 3129471.1/45

All: 5155.443+/-0.487 χ^2/NDF: 6759860.2/93

- sign 5133.929+/-0.687 χ^2/NDF: 3628421.0/47

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3112.249+/-515.416 χ^2/NDF: 13.3/20

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1935.914+/-493.023 χ^2/NDF: 24.2/24

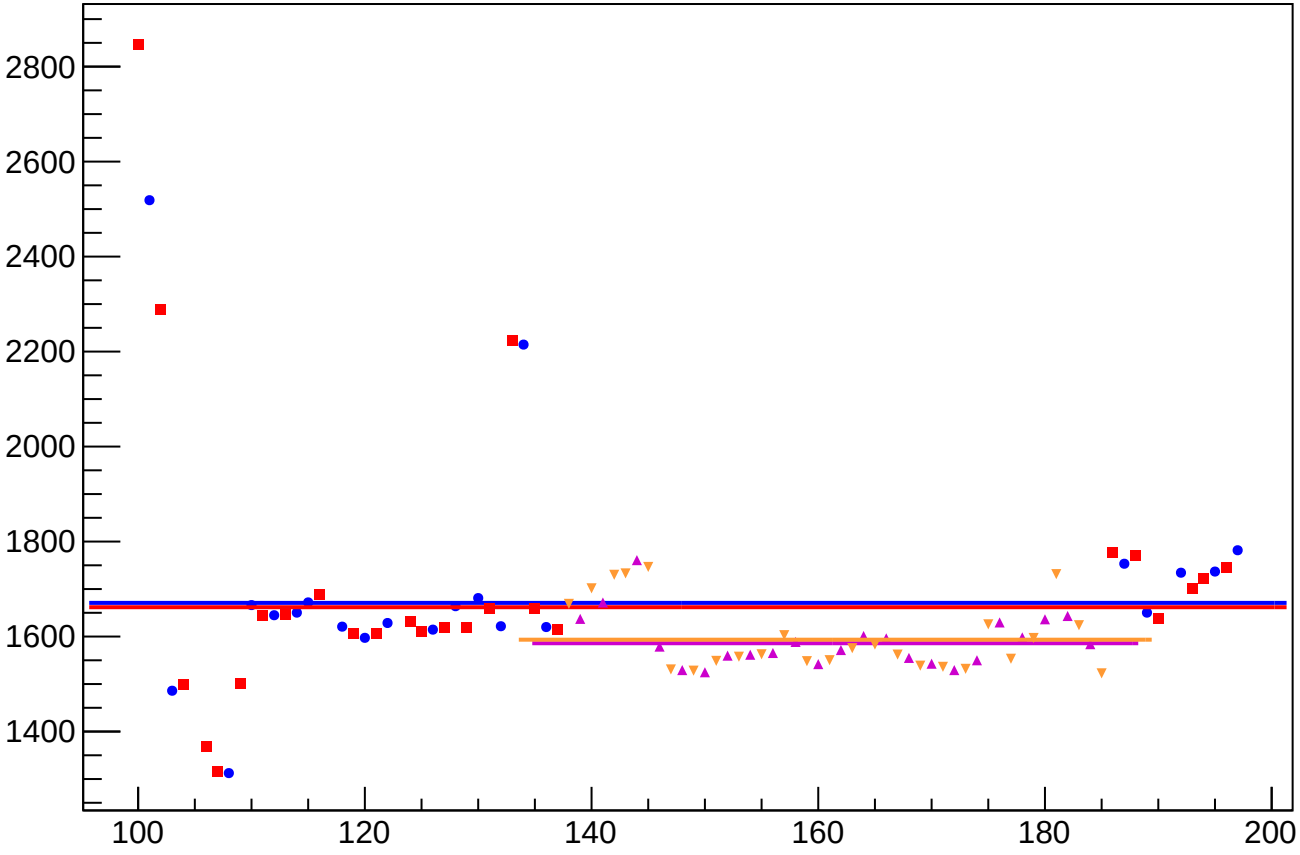
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2153.249+/-296.450 χ^2/NDF: 37.5/45

All: -150.047+/-209.548 χ^2/NDF: 203.2/93

- sign -2450.116+/-296.242 χ^2/NDF: 45.1/47

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1670.891+/-0.364 χ^2/NDF: 291220.5/20

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1661.759+/-0.348 χ^2/NDF: 261948.1/24

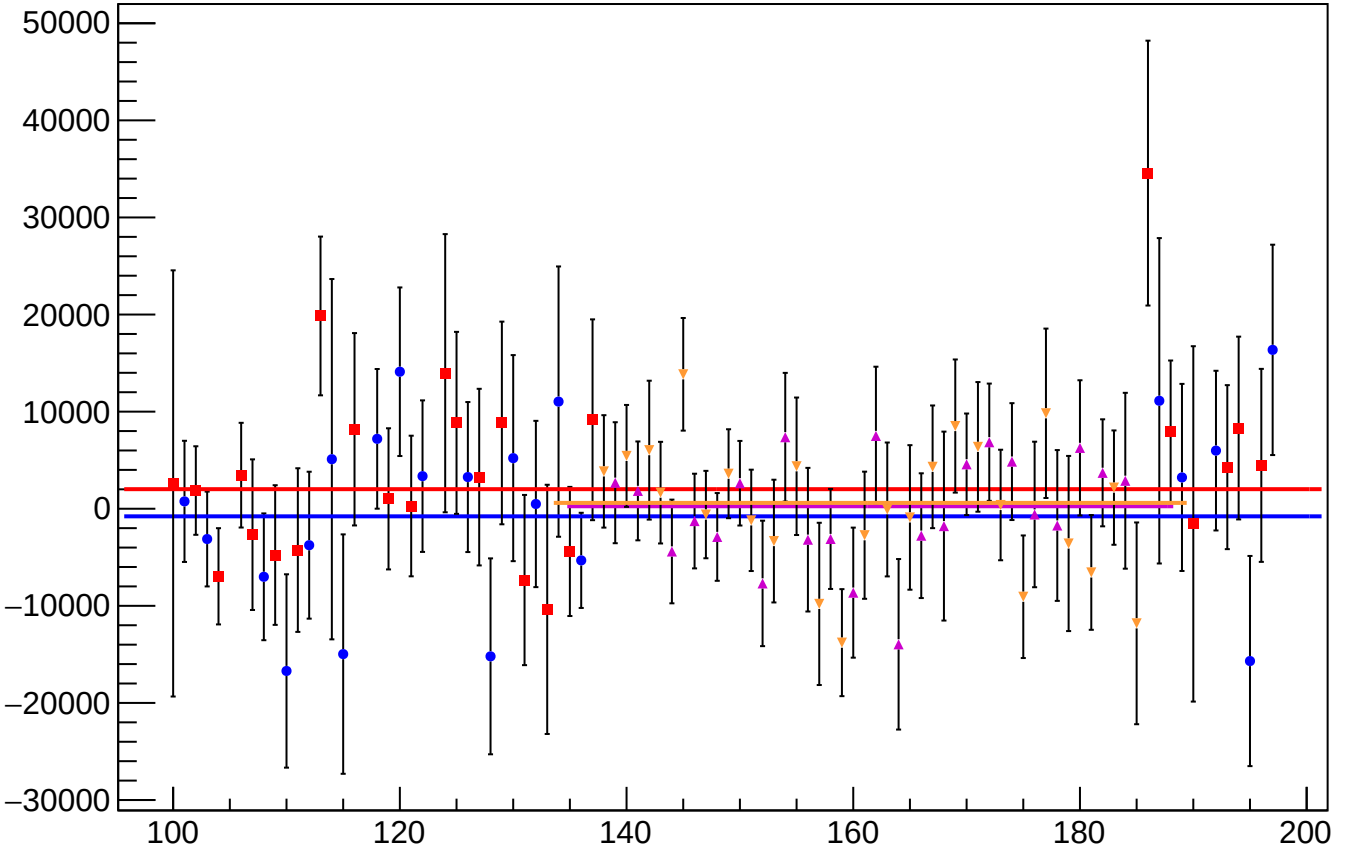
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1619.027+/-0.210 χ^2/NDF: 393358.9/45

All: 1616.171+/-0.148 χ^2/NDF: 727855.4/93

- sign 1613.320+/-0.209 χ^2/NDF: 334125.6/47

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -783.013+/-1769.949 χ^2/NDF: 19.8/20

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 2015.141+/-1602.279 χ^2/NDF: 22.5/24

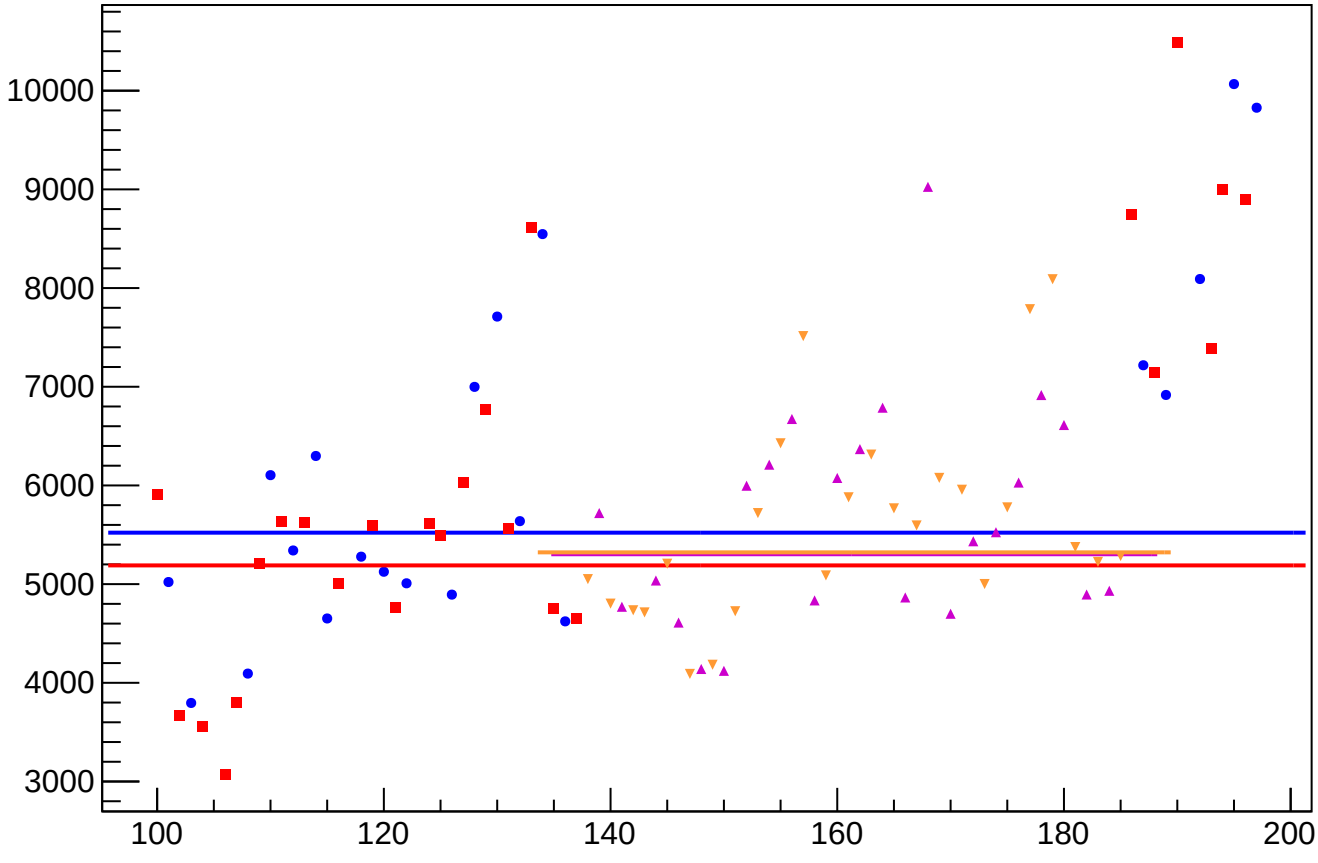
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

+ sign 149.074+/-1012.021 χ^2/NDF: 46.2/45

All: 547.368+/-708.315 χ^2/NDF: 84.4/93

- sign 929.832+/-991.706 χ^2/NDF: 37.9/47

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5521.403+/-1.252 χ^2/NDF: 1624841.8/20

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5189.702+/-1.133 χ^2/NDF: 2255270.2/24

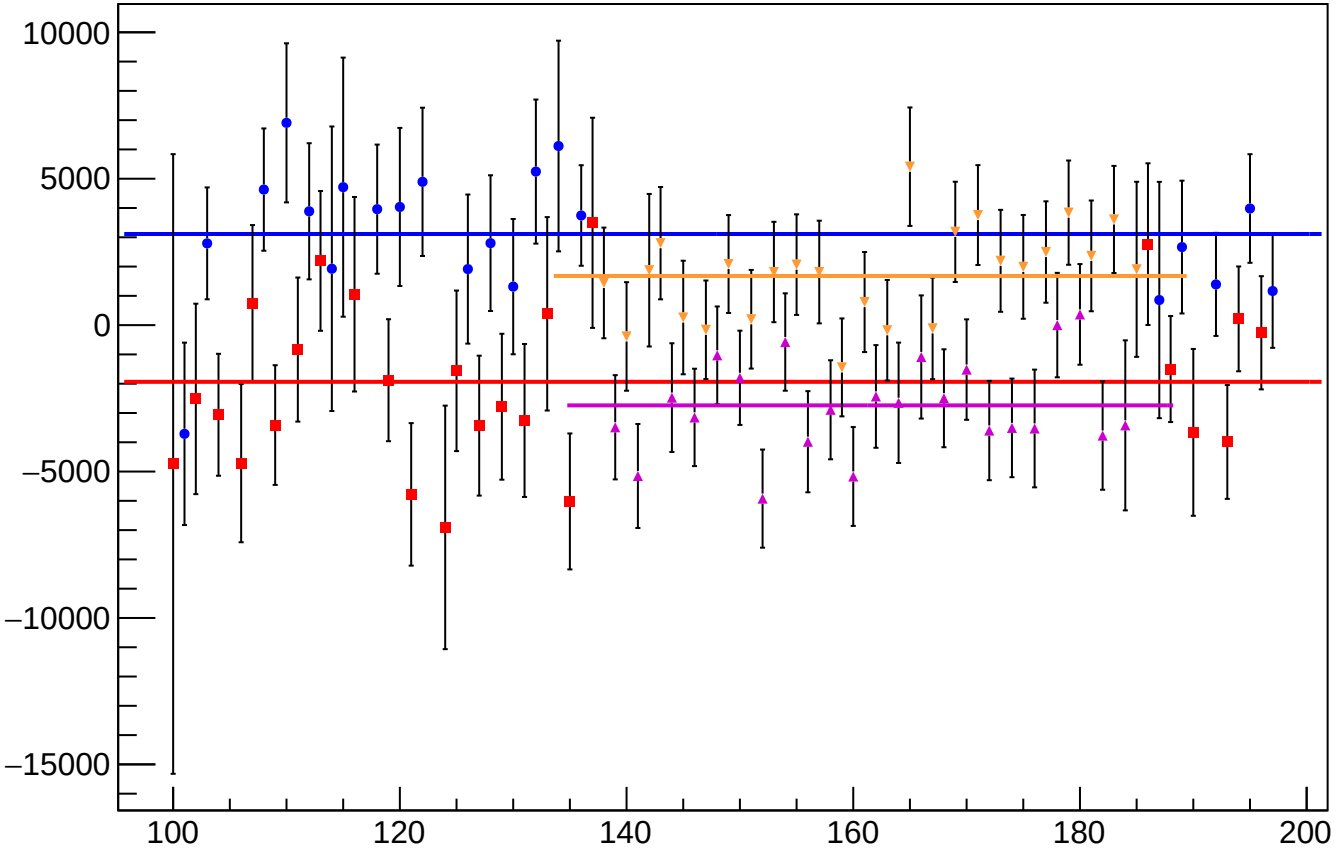
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5387.161+/-0.716 χ^2/NDF: 2678944.1/45

All: 5322.039+/-0.501 χ^2/NDF: 6108977.3/93

- sign 5259.505+/-0.701 χ^2/NDF: 3413799.2/47

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3112.247+/-515.416 χ^2/NDF: 13.3/20

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1935.916+/-493.023 χ^2/NDF: 24.2/24

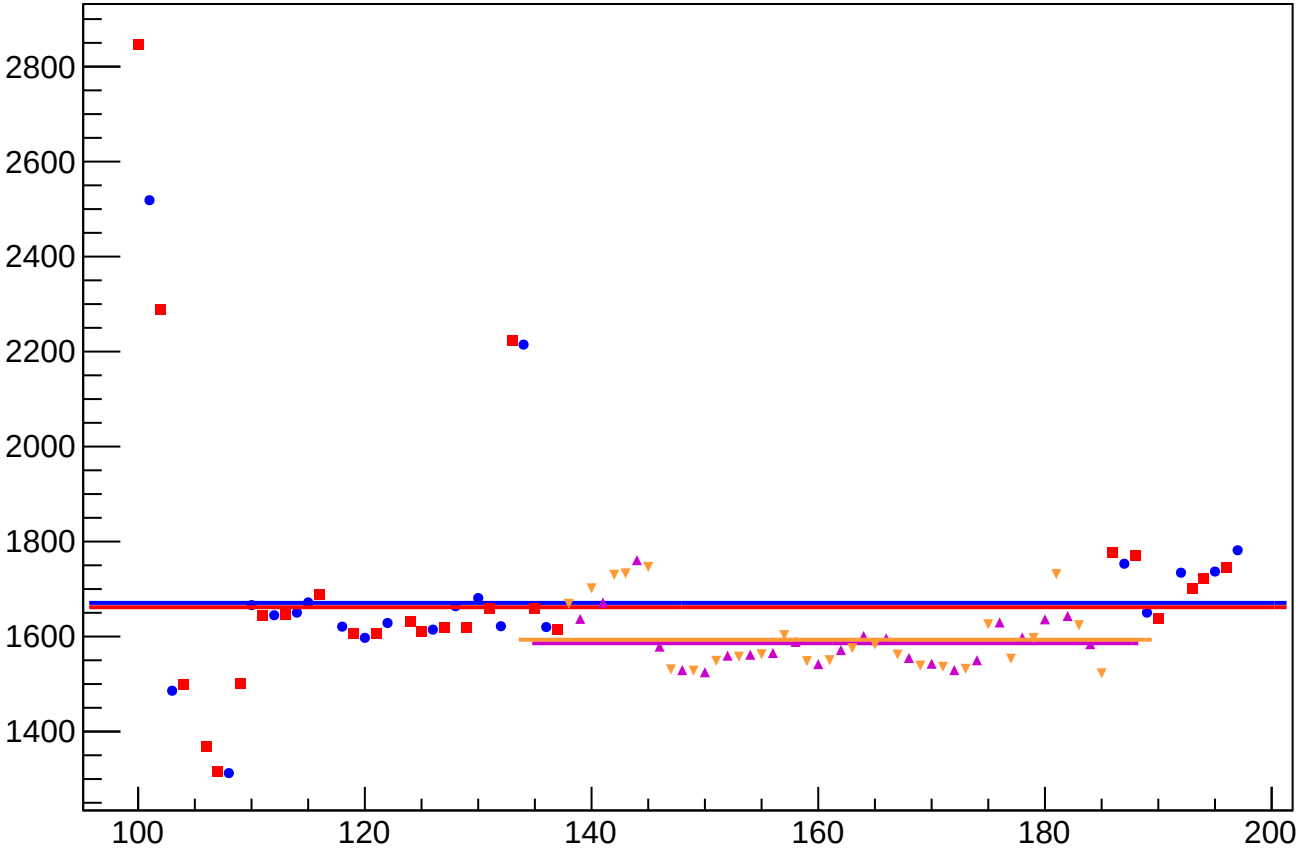
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2153.245+/-296.450 χ^2/NDF: 37.5/45

All: -150.049+/-209.548 χ^2/NDF: 203.2/93

- sign -2450.117+/-296.242 χ^2/NDF: 45.1/47

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1670.890+/-0.364 χ^2/NDF: 291220.7/20

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

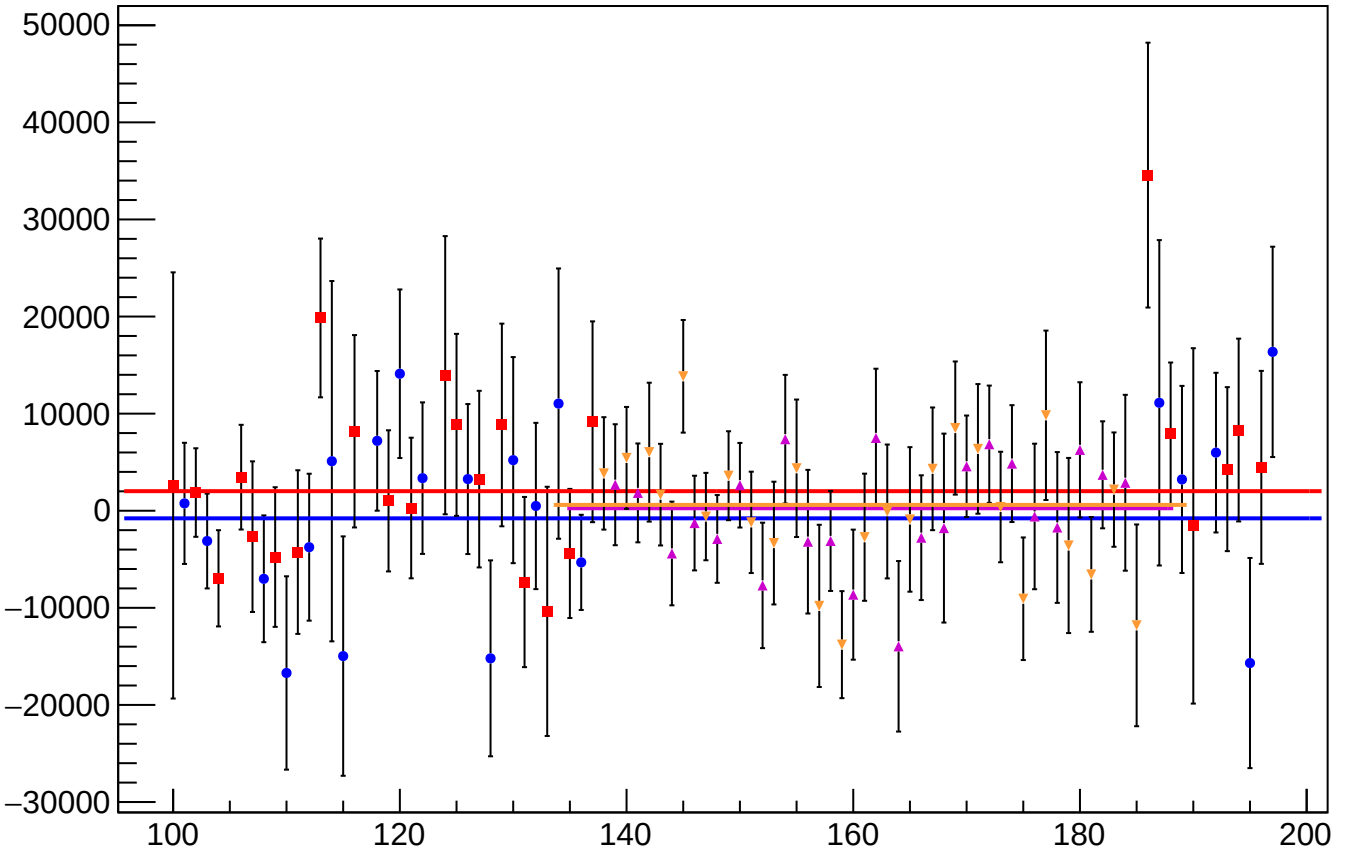
Right Out: 1661.759+/-0.348 χ^2/NDF: 261947.9/24

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1619.027+/-0.210 χ^2/NDF: 393357.7/45

All: 1616.171+/-0.148 χ^2/NDF: 727852.8/93

- sign 1613.321+/-0.209 χ^2/NDF: 334124.2/47



Right In: -783.001+/-1769.947 χ^2/NDF: 19.8/20

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: 2015.137+/-1602.277 χ^2/NDF: 22.5/24

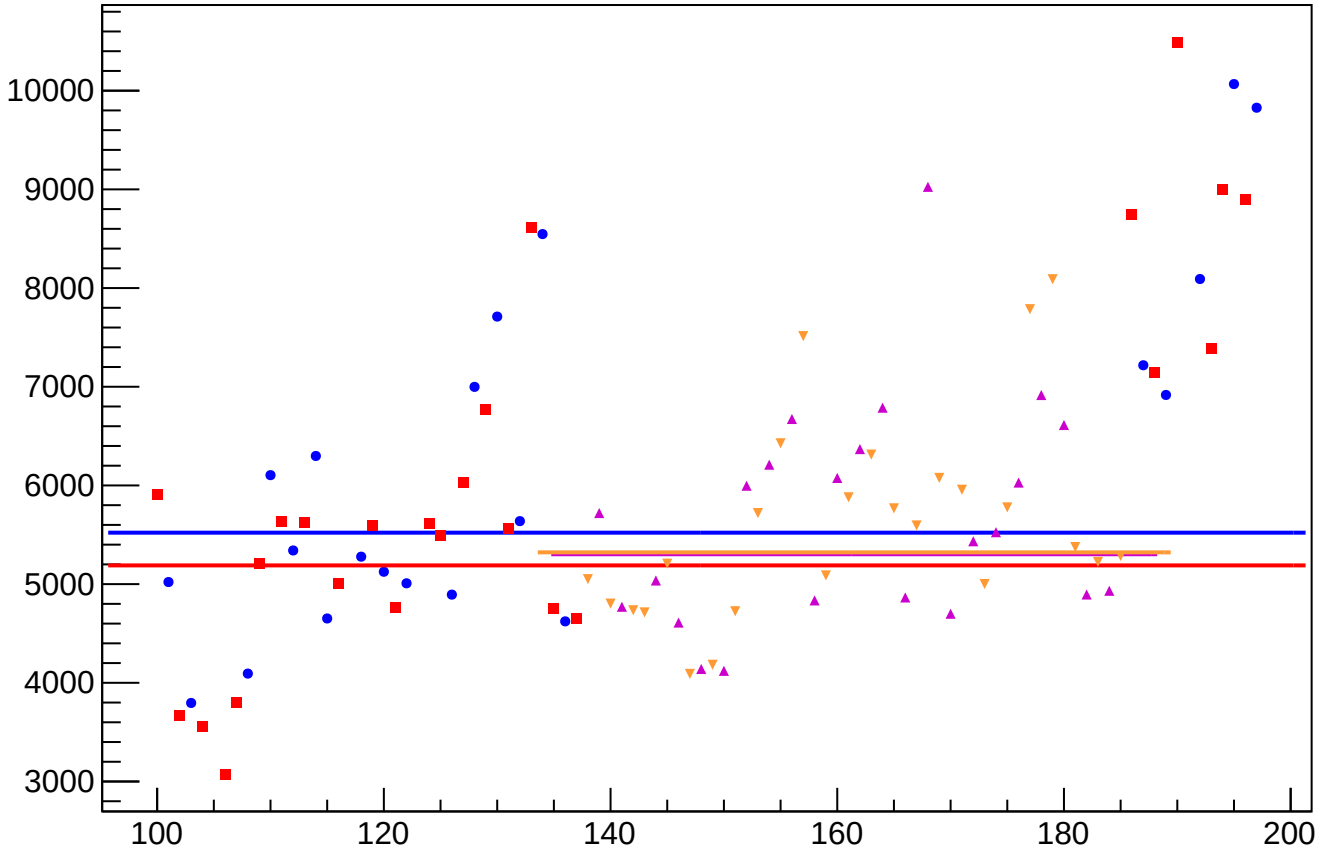
Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 149.074+/-1012.021 χ^2/NDF: 46.2/45

All: 547.370+/-708.315 χ^2/NDF: 84.4/93

- sign 929.835+/-991.706 χ^2/NDF: 37.9/47

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 5521.396+/-1.252 χ^2/NDF: 1624841.9/20

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5189.695+/-1.133 χ^2/NDF: 2255269.8/24

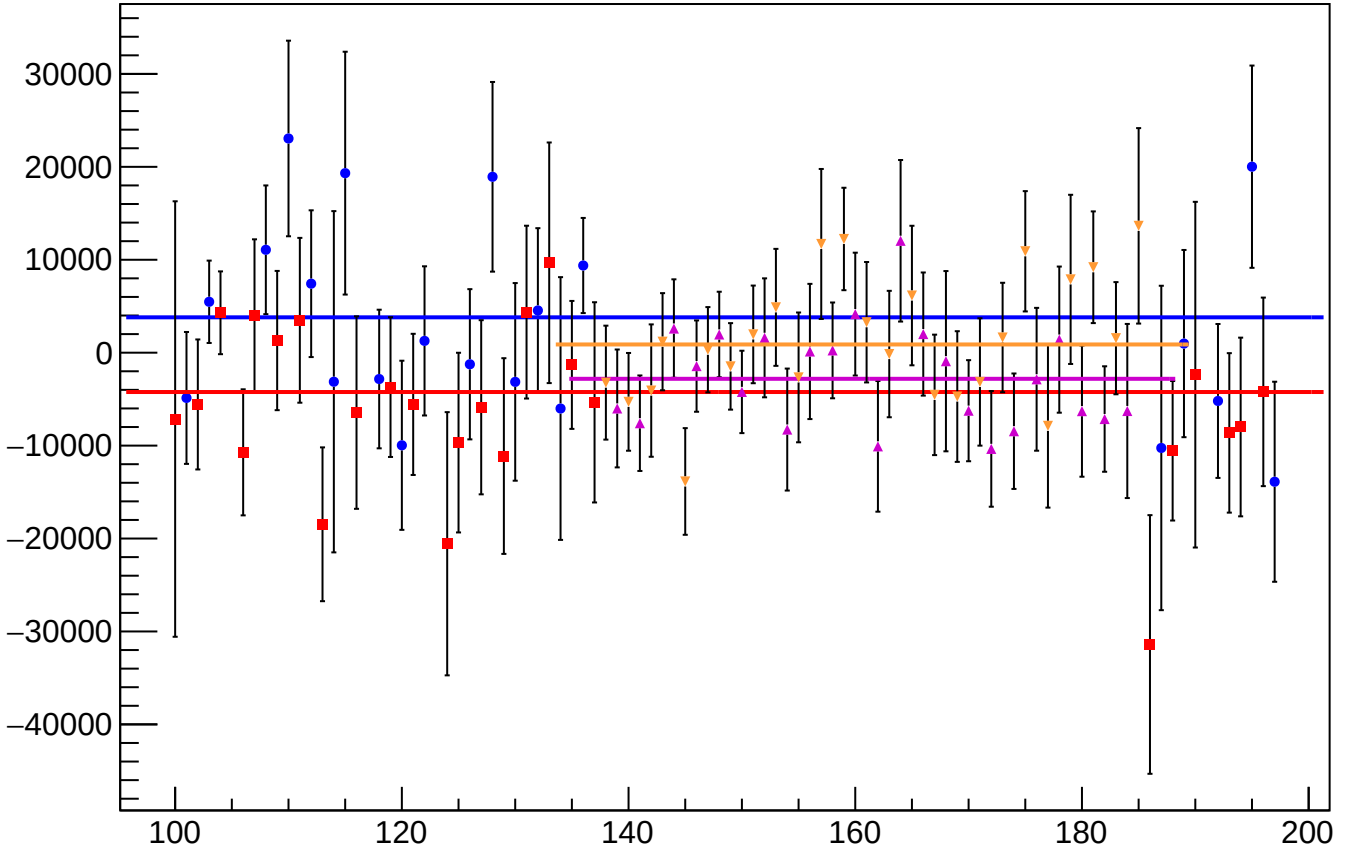
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5387.166+/-0.716 χ^2/NDF: 2678943.7/45

All: 5322.042+/-0.501 χ^2/NDF: 6108982.5/93

- sign 5259.508+/-0.701 χ^2/NDF: 3413804.4/47

asym_usr_atr2_avg_mean vs Slug



Right In: 3805.328+/-1809.250 χ^2/NDF: 22.5/20

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -4232.311+/-1709.977 χ^2/NDF: 19.2/24

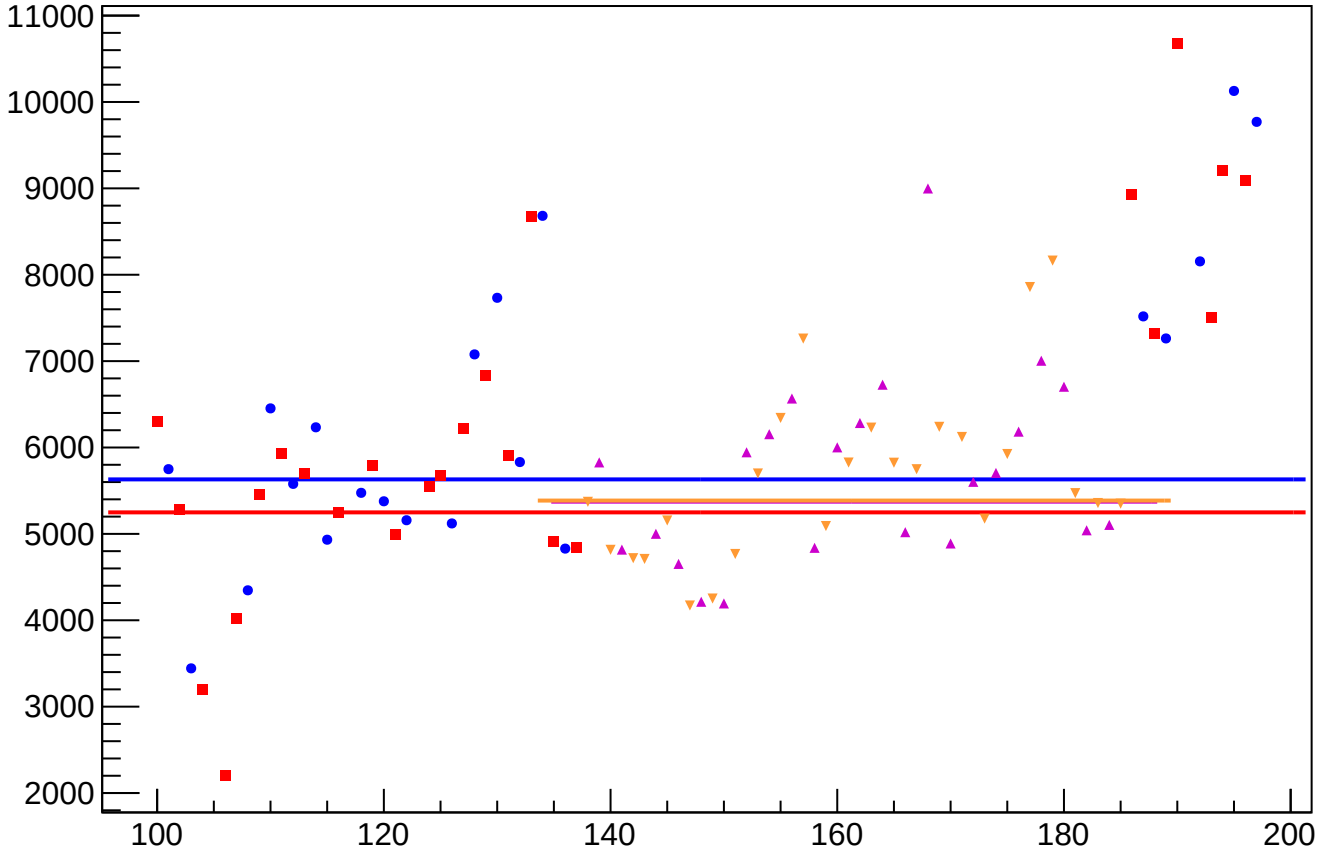
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1825.321+/-1026.468 χ^2/NDF: 50.0/45

All: -755.219+/-724.696 χ^2/NDF: 96.9/93

- sign -3319.793+/-1023.288 χ^2/NDF: 34.4/47

asym_usr_atr2_avg_rms vs Slug



Right In: 5630.834+/-1.279 χ^2/NDF: 1754286.0/20

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5249.034+/-1.171 χ^2/NDF: 2787755.7/24

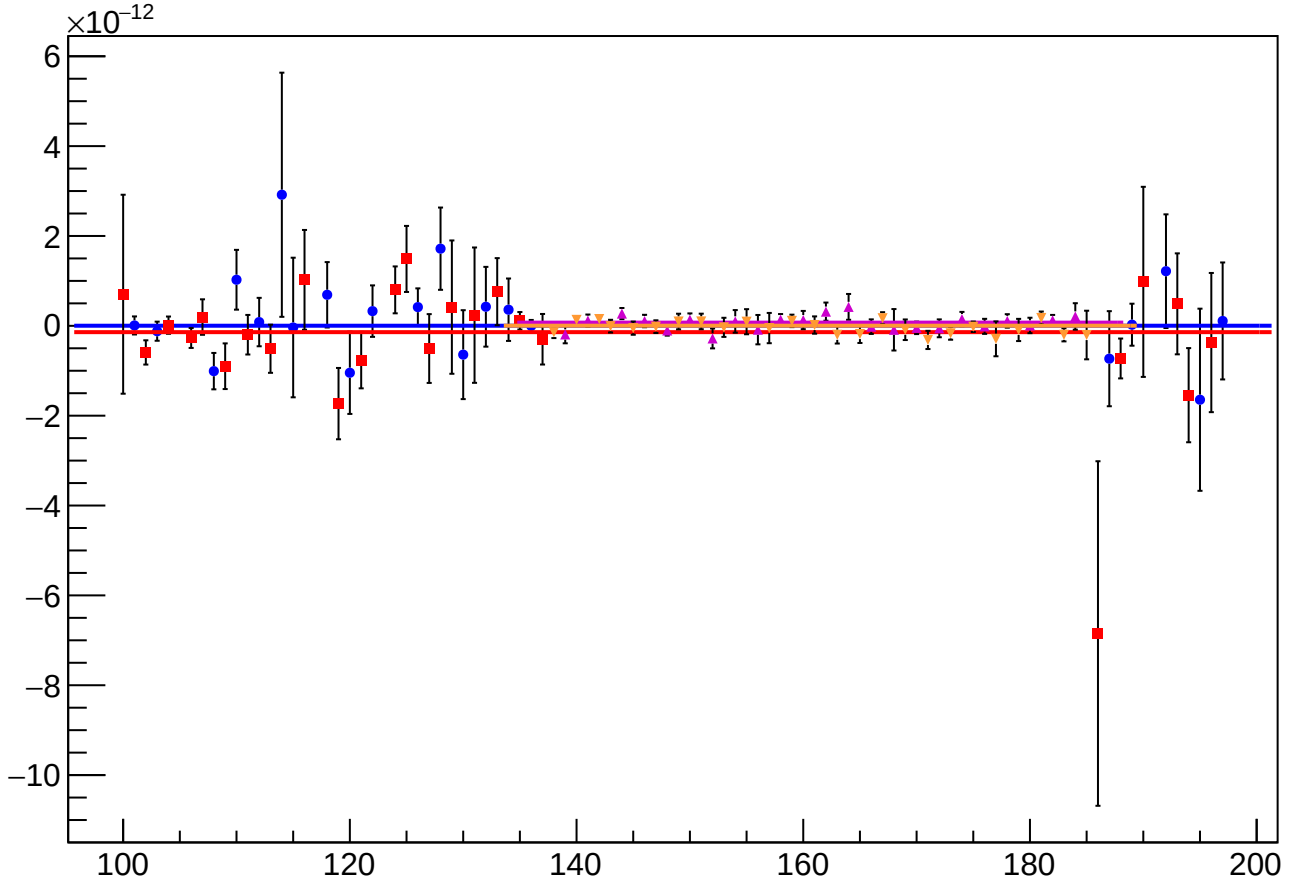
Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5464.572+/-0.726 χ^2/NDF: 2766281.8/45

All: 5394.583+/-0.509 χ^2/NDF: 6651196.2/93

- sign 5326.658+/-0.715 χ^2/NDF: 3866592.4/47

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

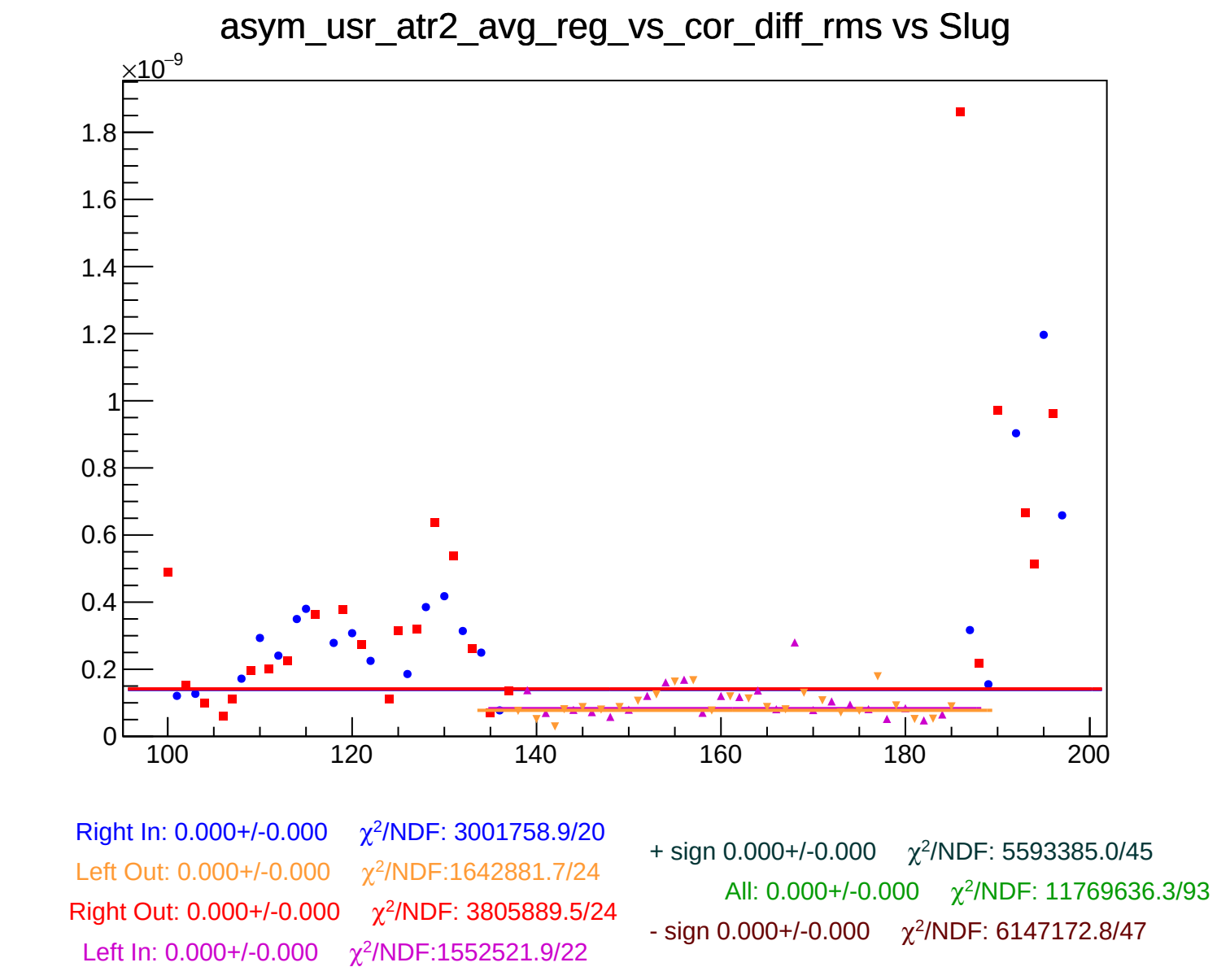
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/24

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

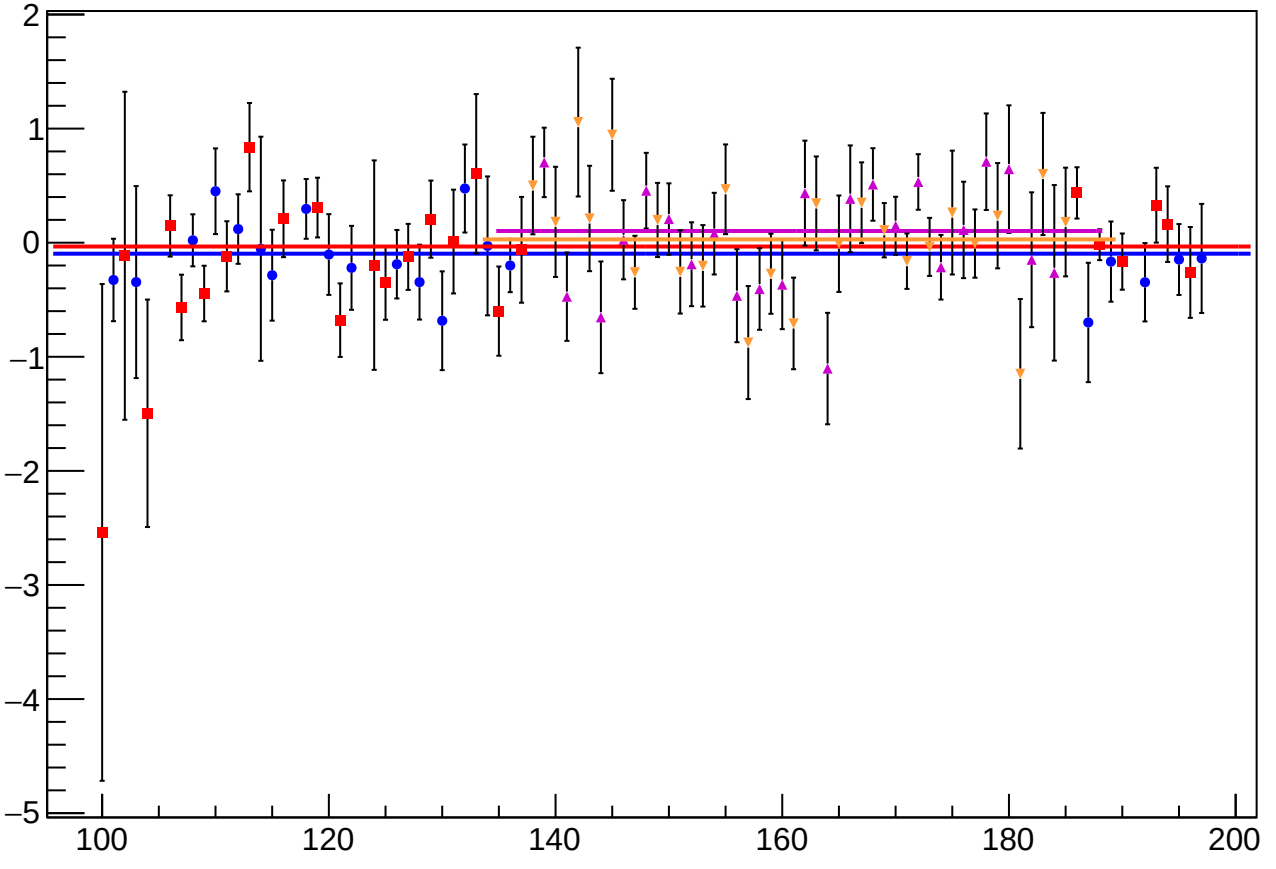
+ sign 0.000+/-0.000 χ^2/NDF: 38.4/45

All: 0.000+/-0.000 χ^2/NDF: 92.8/93

- sign 0.000+/-0.000 χ^2/NDF: 53.5/47


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 3001758.9/20
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3805889.5/24
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
+ sign 0.000+/-0.000 χ²/NDF: 5593385.0/45
All: 0.000+/-0.000 χ²/NDF: 11769636.3/93
- sign 0.000+/-0.000 χ²/NDF: 6147172.8/47

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.096+/-0.076 χ^2/NDF: 12.8/20

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.034+/-0.062 χ^2/NDF: 32.7/24

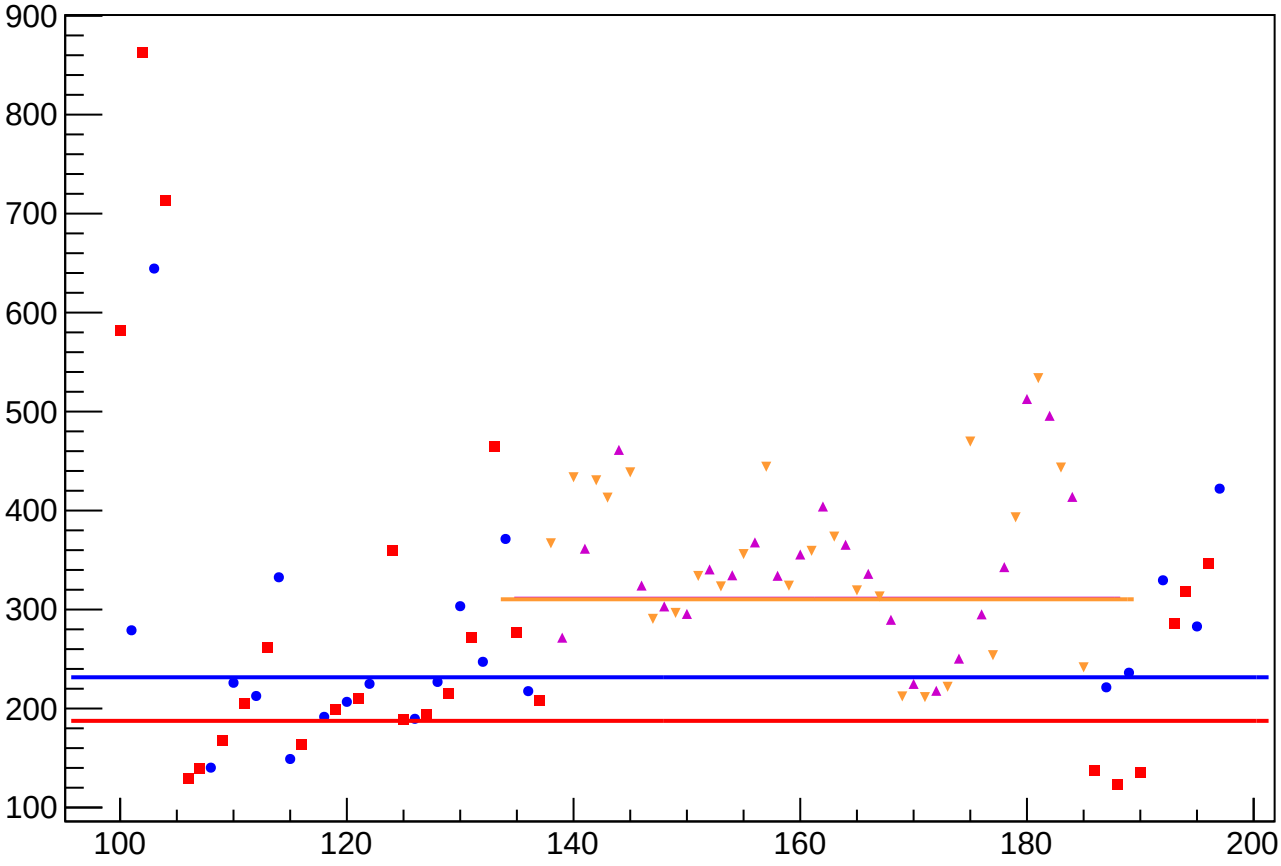
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.032+/-0.053 χ^2/NDF: 39.5/45

All: -0.003+/-0.036 χ^2/NDF: 107.0/93

- sign 0.021+/-0.048 χ^2/NDF: 66.9/47

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 231.571+/-0.054 χ^2/NDF: 1755748.0/20

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

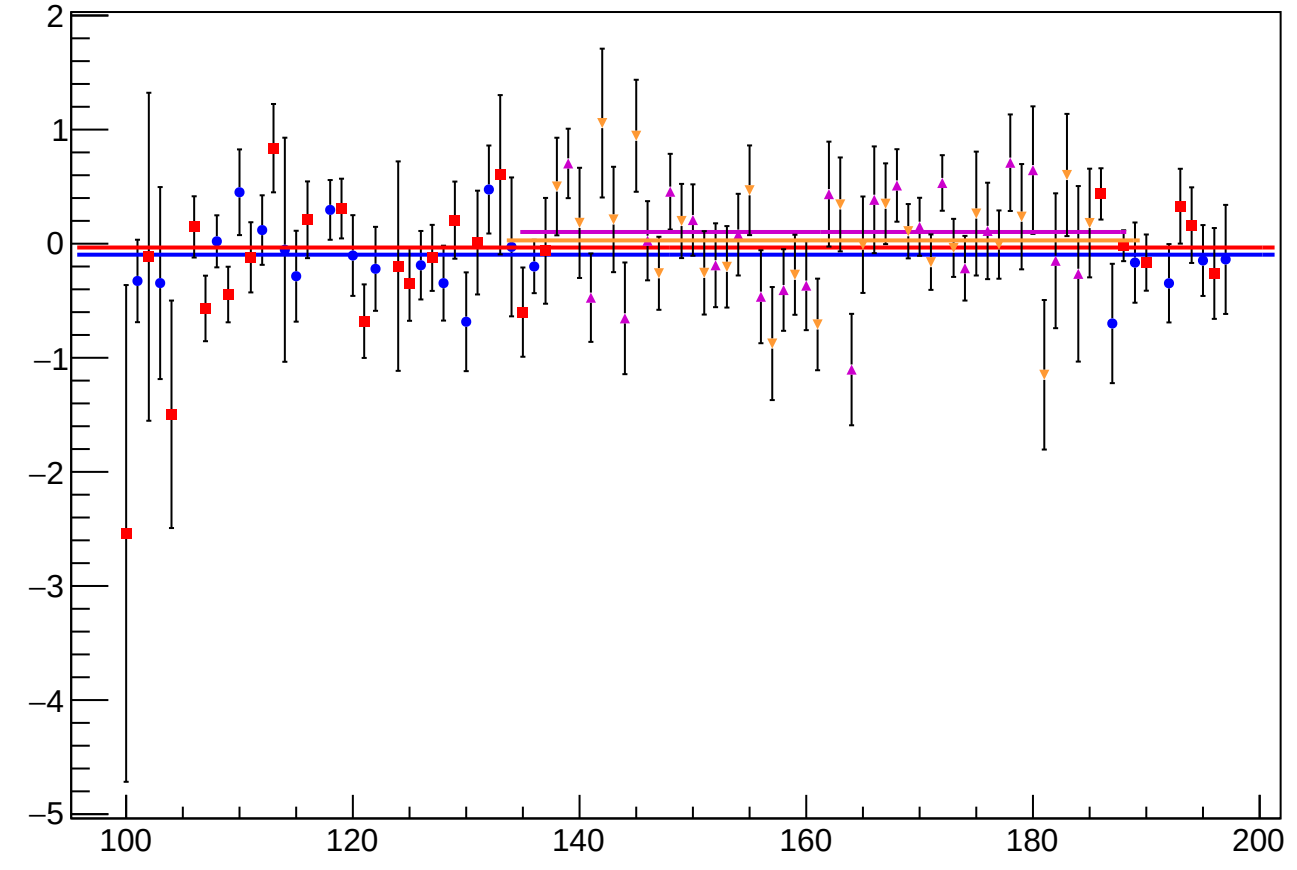
Right Out: 187.535+/-0.044 χ^2/NDF: 3359461.9/24

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 271.807+/-0.038 χ^2/NDF: 5208456.1/45

All: 252.428+/-0.025 χ^2/NDF: 13800443.8/93

- sign 236.672+/-0.034 χ^2/NDF: 8113683.3/47



Right In: -0.096+/-0.076 χ^2/NDF: 12.8/20

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

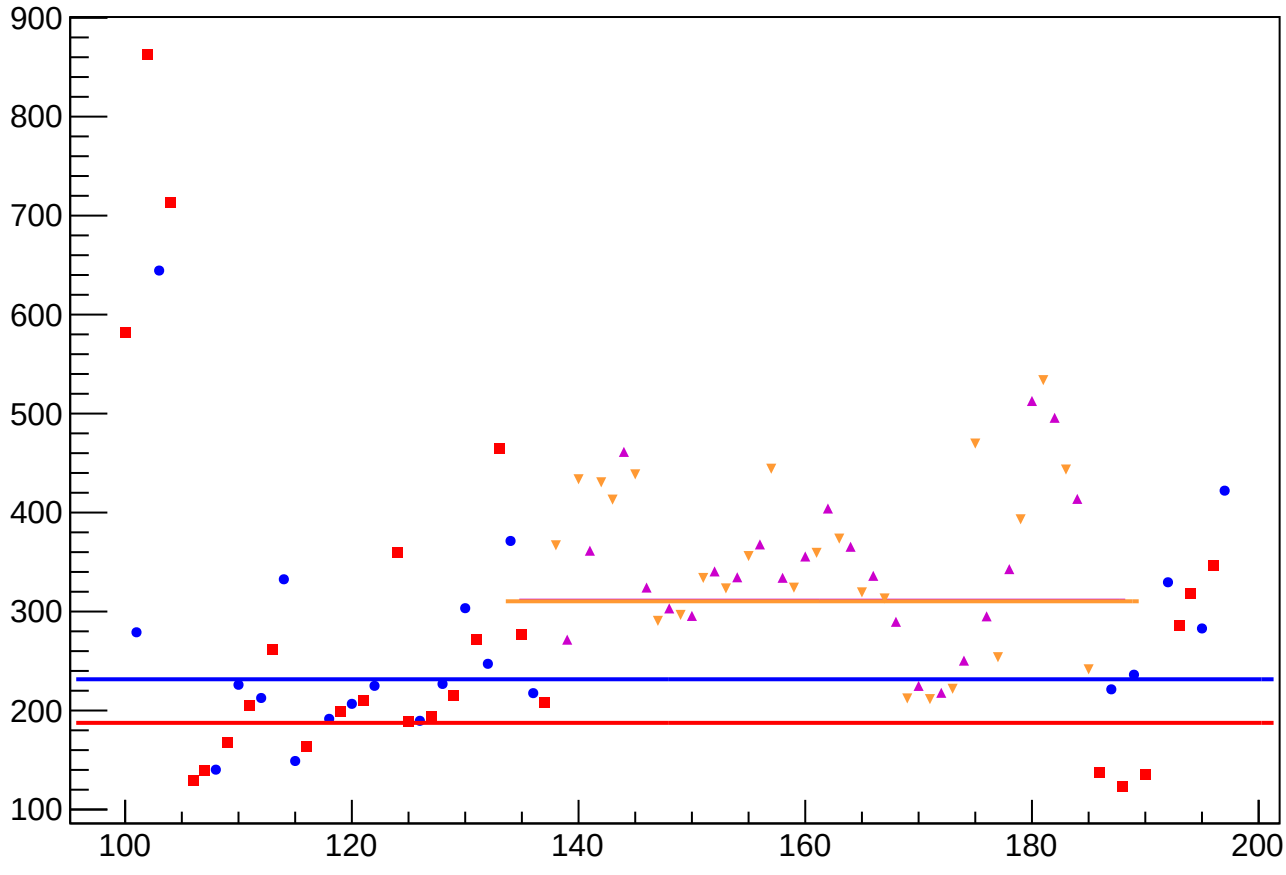
Right Out: -0.034+/-0.062 χ^2/NDF: 32.7/24

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.032+/-0.053 χ^2/NDF: 39.5/45

All: -0.003+/-0.036 χ^2/NDF: 107.0/93

- sign 0.021+/-0.048 χ^2/NDF: 66.9/47



Right In: 231.571+/-0.054 χ^2/NDF: 1755748.0/20

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

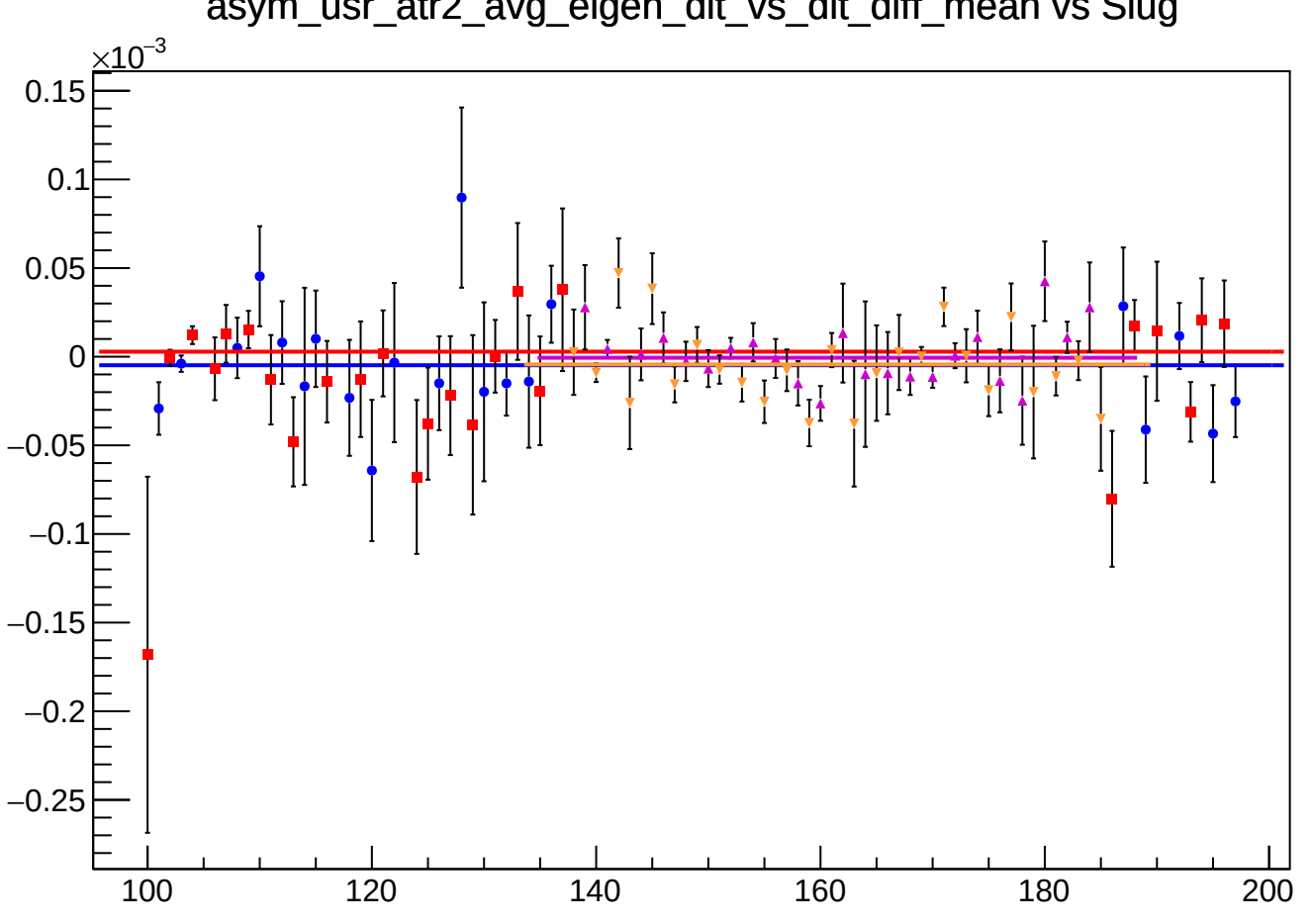
Right Out: 187.535+/-0.044 χ^2/NDF: 3359461.9/24

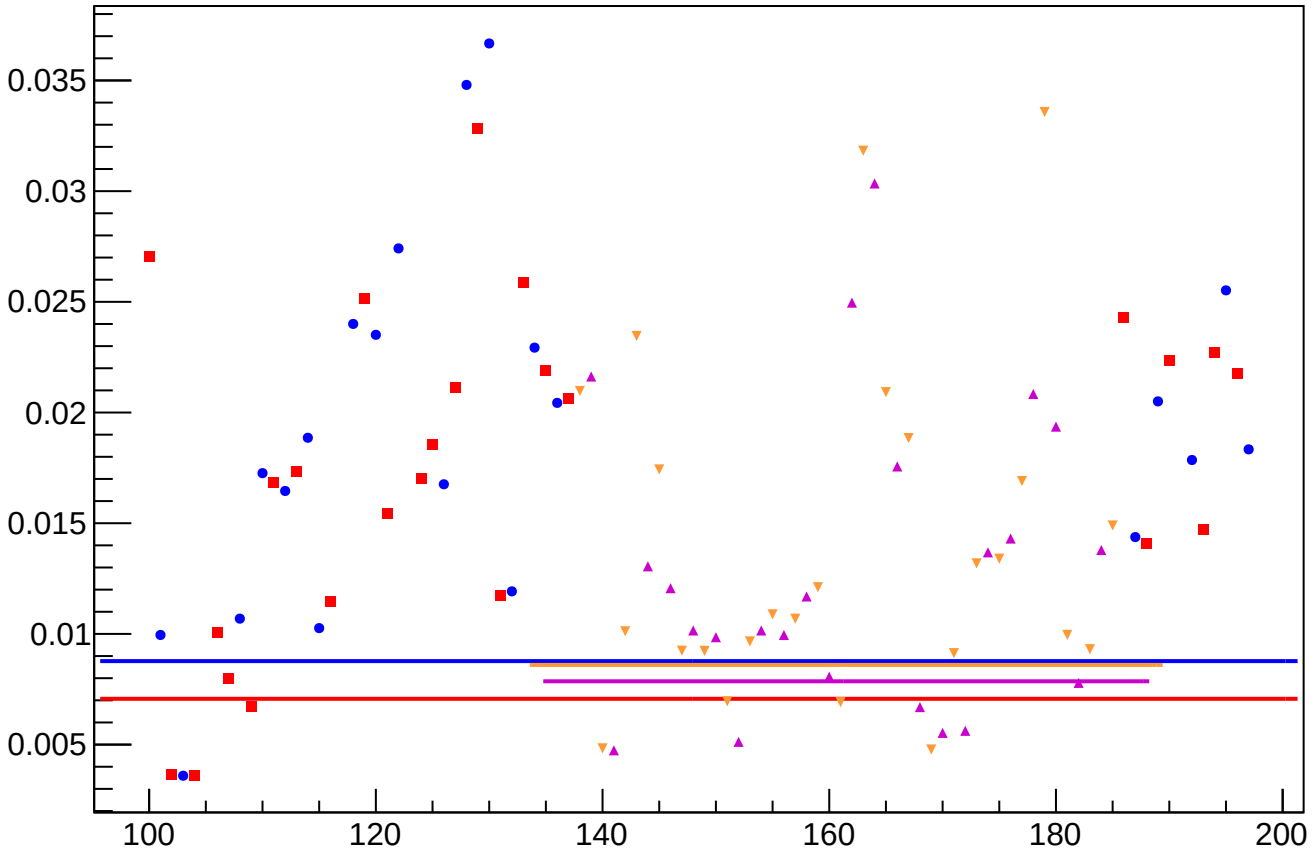
Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 271.807+/-0.038 χ^2/NDF: 5208456.1/45

All: 252.428+/-0.025 χ^2/NDF: 13800443.8/93

- sign 236.672+/-0.034 χ^2/NDF: 8113683.3/47


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.3/20
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.5/24
Left In: -0.000+/-0.000 χ²/NDF:26.6/22
+ sign -0.000+/-0.000 χ²/NDF: 64.6/45
All: -0.000+/-0.000 χ²/NDF: 128.7/93
- sign 0.000+/-0.000 χ²/NDF: 60.0/47



Right In: 0.009+/-0.000 χ^2/NDF: 8349885.8/20

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

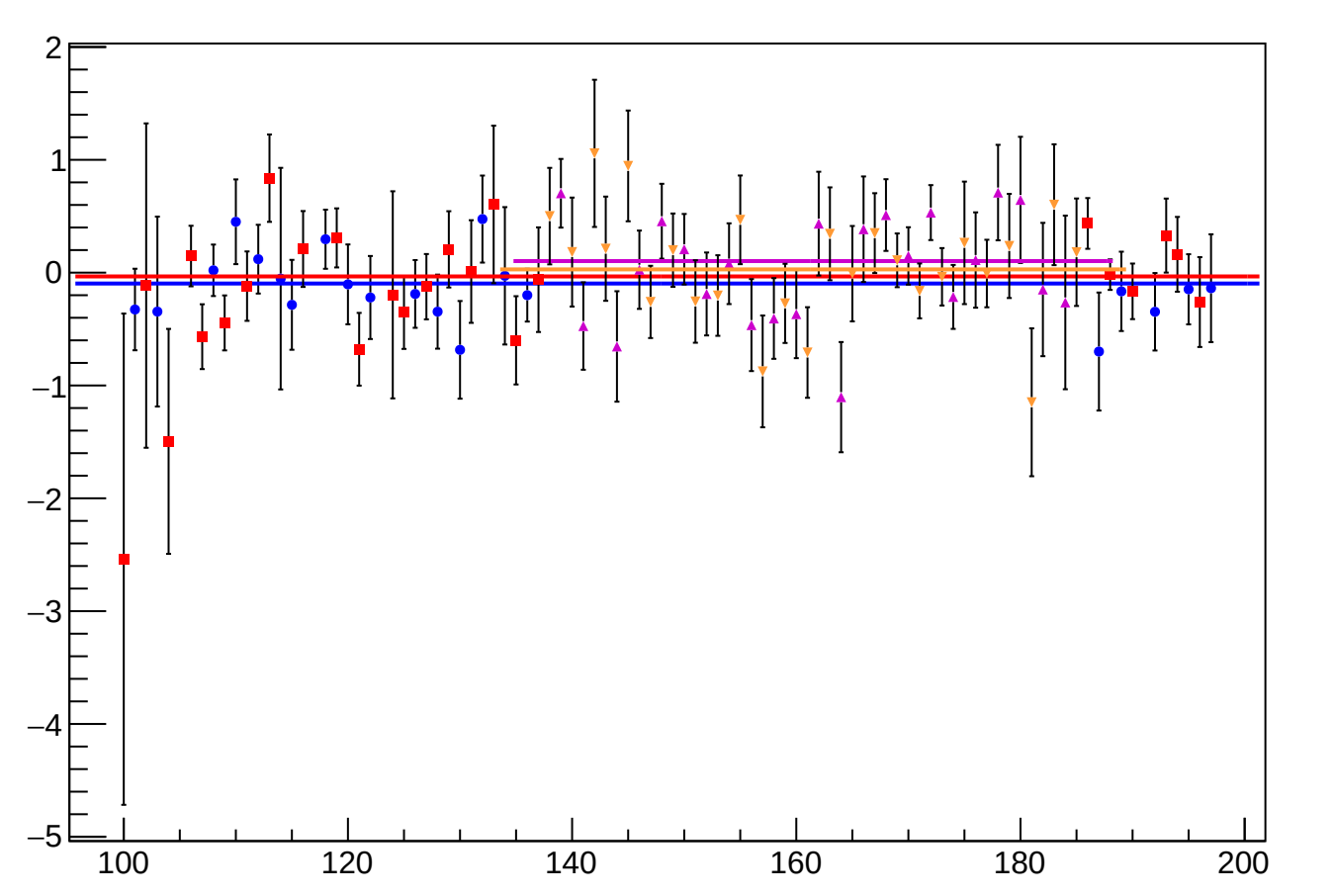
Right Out: 0.007+/-0.000 χ^2/NDF: 9408894.9/24

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 16006778.7/45

All: 0.008+/-0.000 χ^2/NDF: 32663034.0/93

- sign 0.008+/-0.000 χ^2/NDF: 16291323.6/47



Right In: -0.096+/-0.076 χ^2/NDF: 12.8/20

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

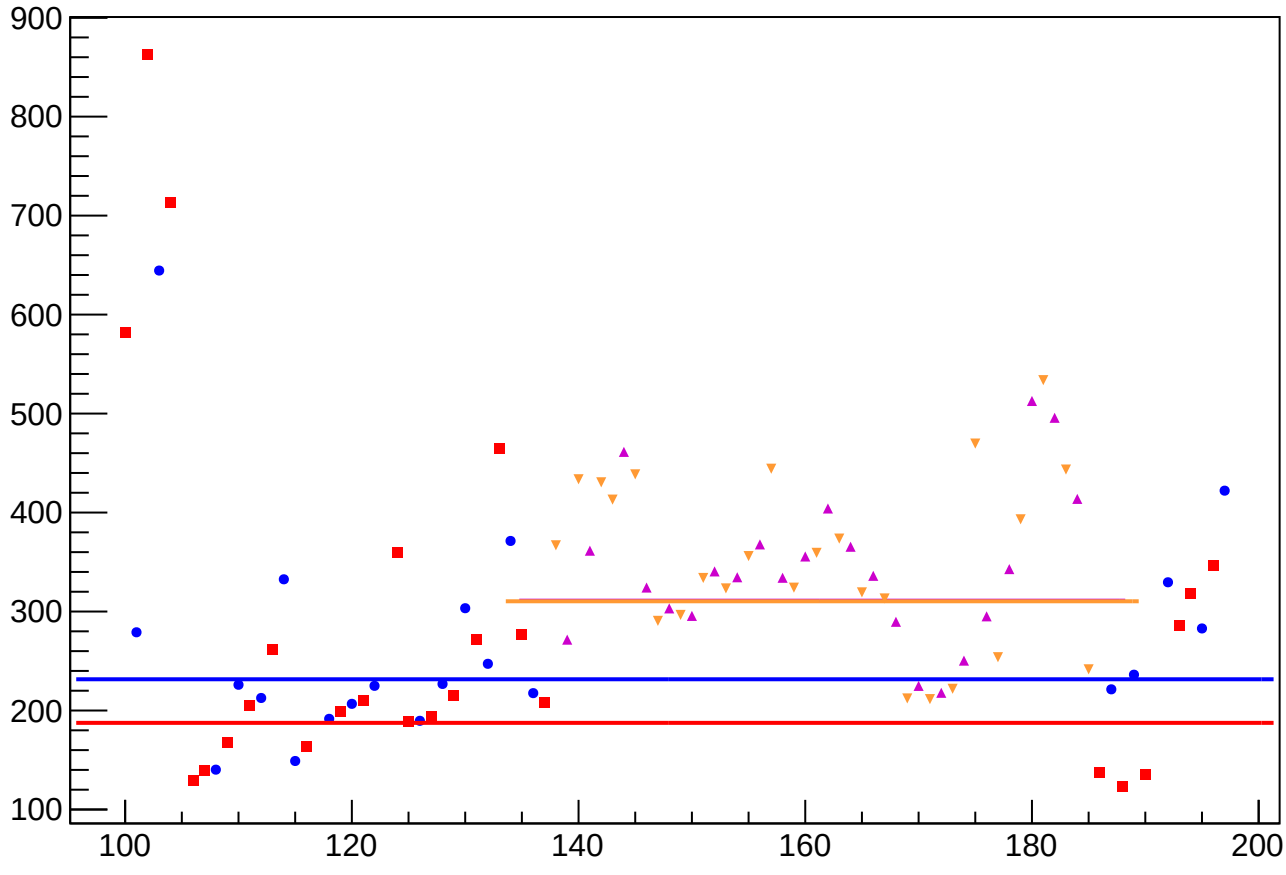
Right Out: -0.034+/-0.062 χ^2/NDF: 32.7/24

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.032+/-0.053 χ^2/NDF: 39.5/45

All: -0.003+/-0.036 χ^2/NDF: 107.0/93

- sign 0.021+/-0.048 χ^2/NDF: 66.9/47



Right In: 231.570+/-0.054 χ^2/NDF: 1755714.7/20

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

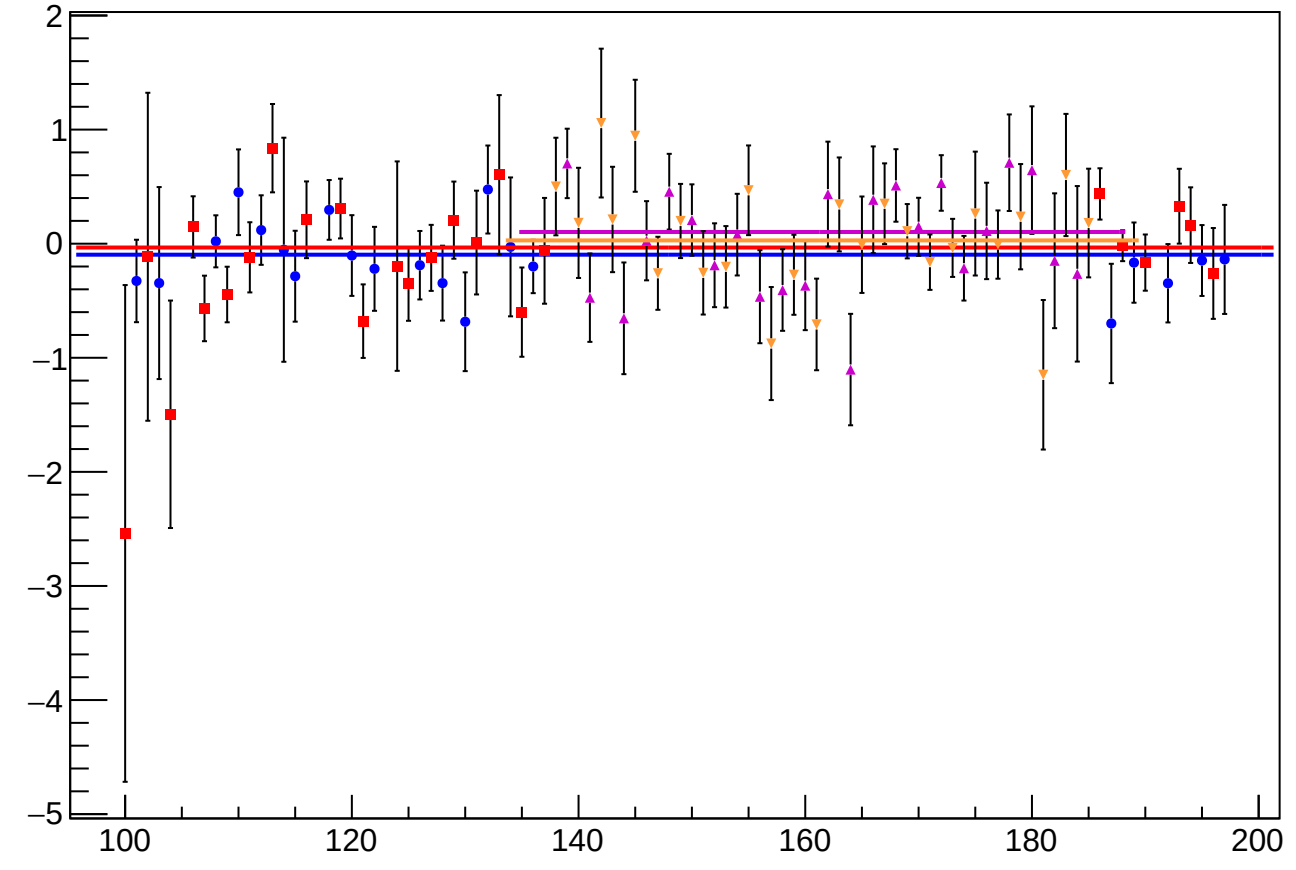
Right Out: 187.532+/-0.044 χ^2/NDF: 3359549.2/24

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 271.808+/-0.038 χ^2/NDF: 5208601.2/45

All: 252.427+/-0.025 χ^2/NDF: 13801072.1/93

- sign 236.670+/-0.034 χ^2/NDF: 8114107.5/47



Right In: -0.096+/-0.076 χ^2/NDF: 12.8/20

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

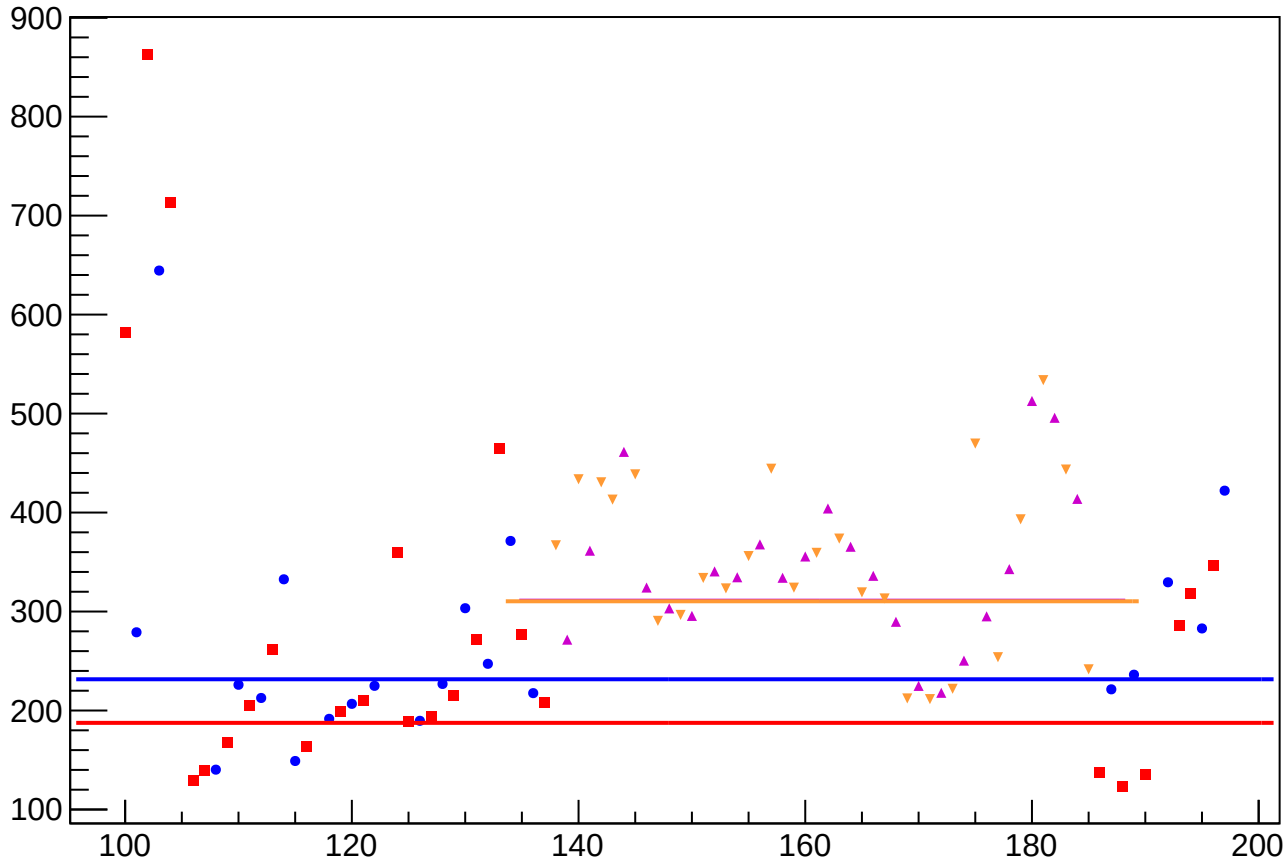
Right Out: -0.034+/-0.062 χ^2/NDF: 32.7/24

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.032+/-0.053 χ^2/NDF: 39.5/45

All: -0.003+/-0.036 χ^2/NDF: 107.0/93

- sign 0.021+/-0.048 χ^2/NDF: 66.9/47



Right In: 231.570+/-0.054 χ^2/NDF: 1755714.7/20

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

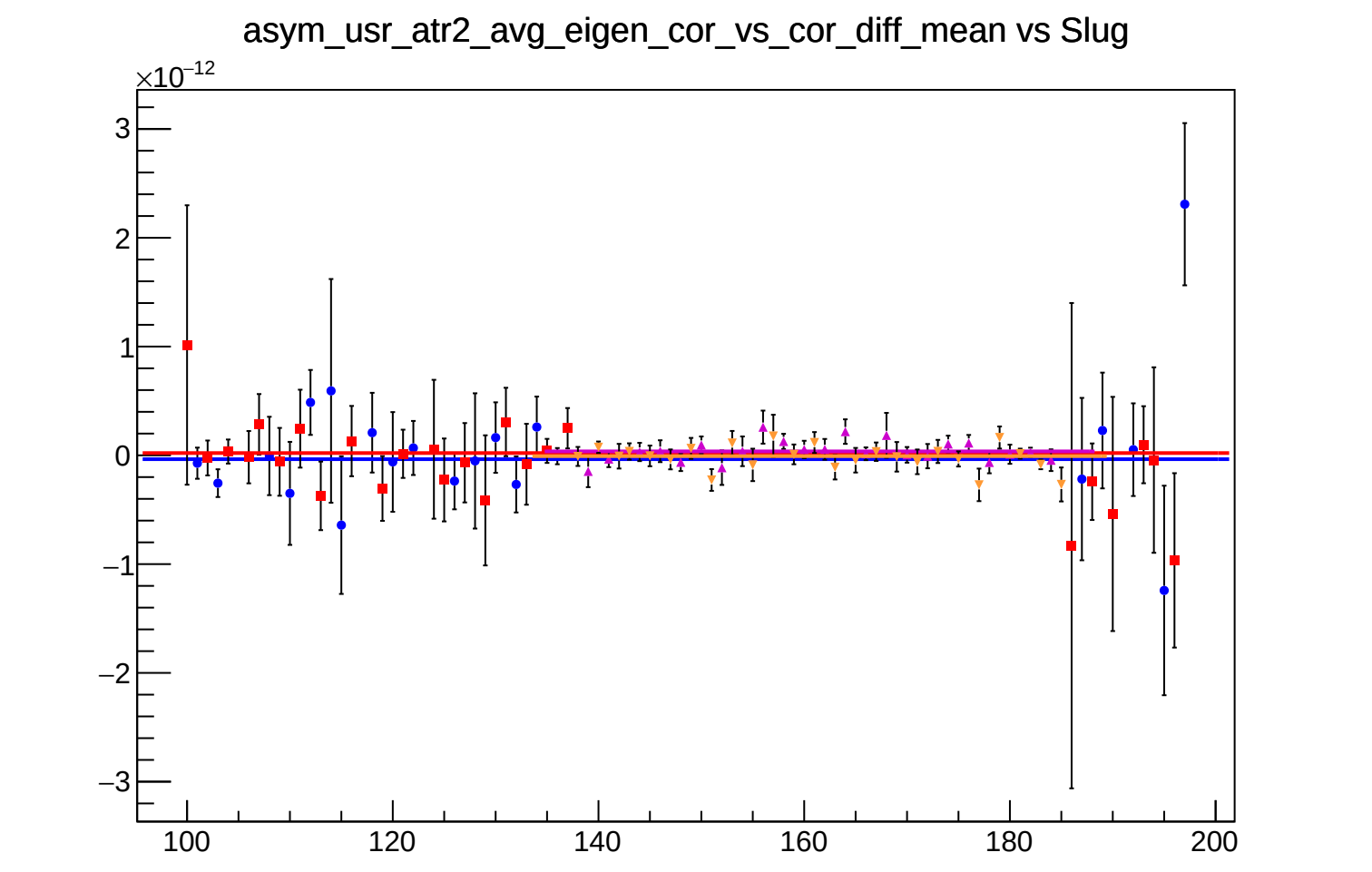
Right Out: 187.532+/-0.044 χ^2/NDF: 3359549.2/24

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 271.808+/-0.038 χ^2/NDF: 5208601.2/45

All: 252.427+/-0.025 χ^2/NDF: 13801072.1/93

- sign 236.670+/-0.034 χ^2/NDF: 8114107.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

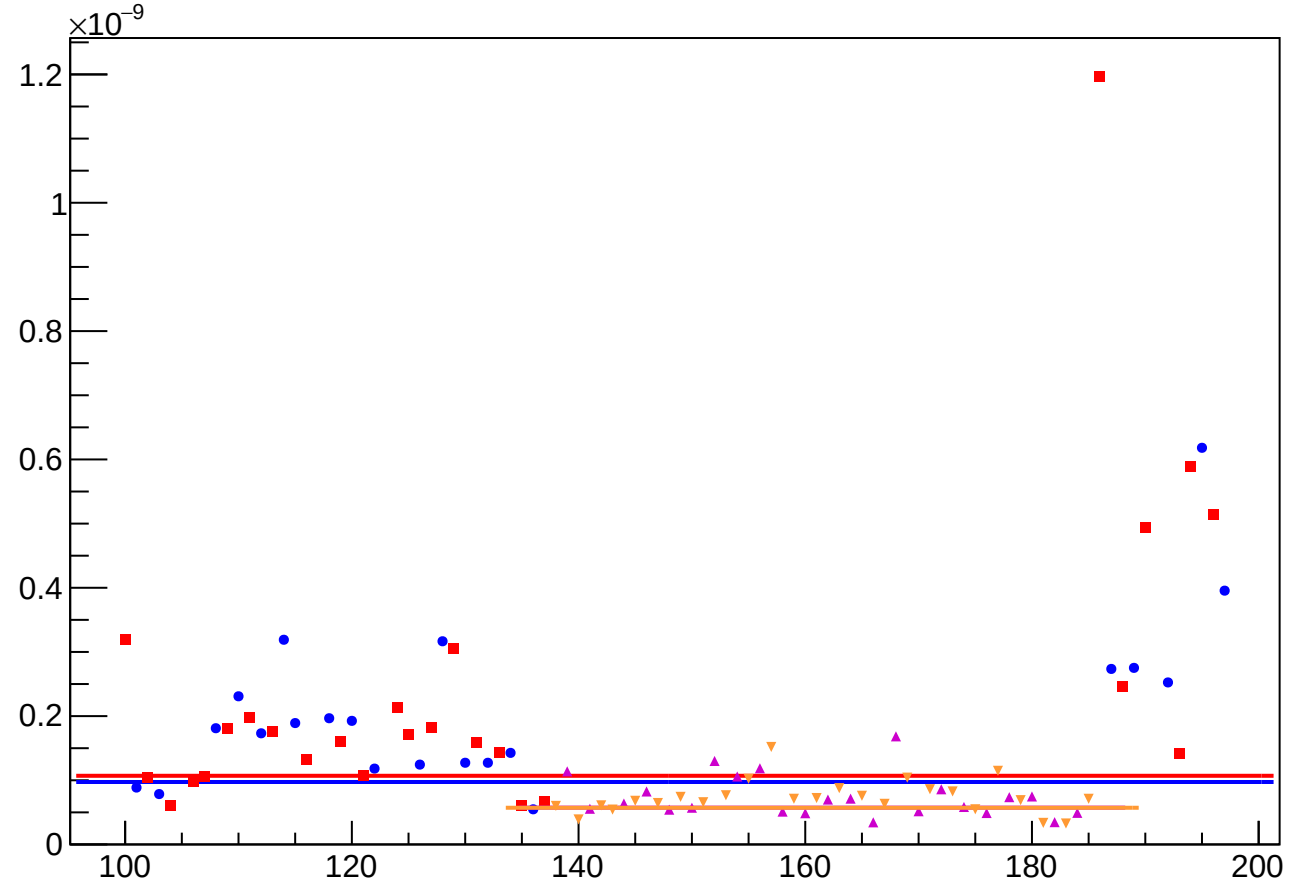
Right Out: 0.000+/-0.000 χ^2/NDF: 10.9/24

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.4/45

All: 0.000+/-0.000 χ^2/NDF: 81.0/93

- sign 0.000+/-0.000 χ^2/NDF: 27.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 3354999.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3977696.5/24

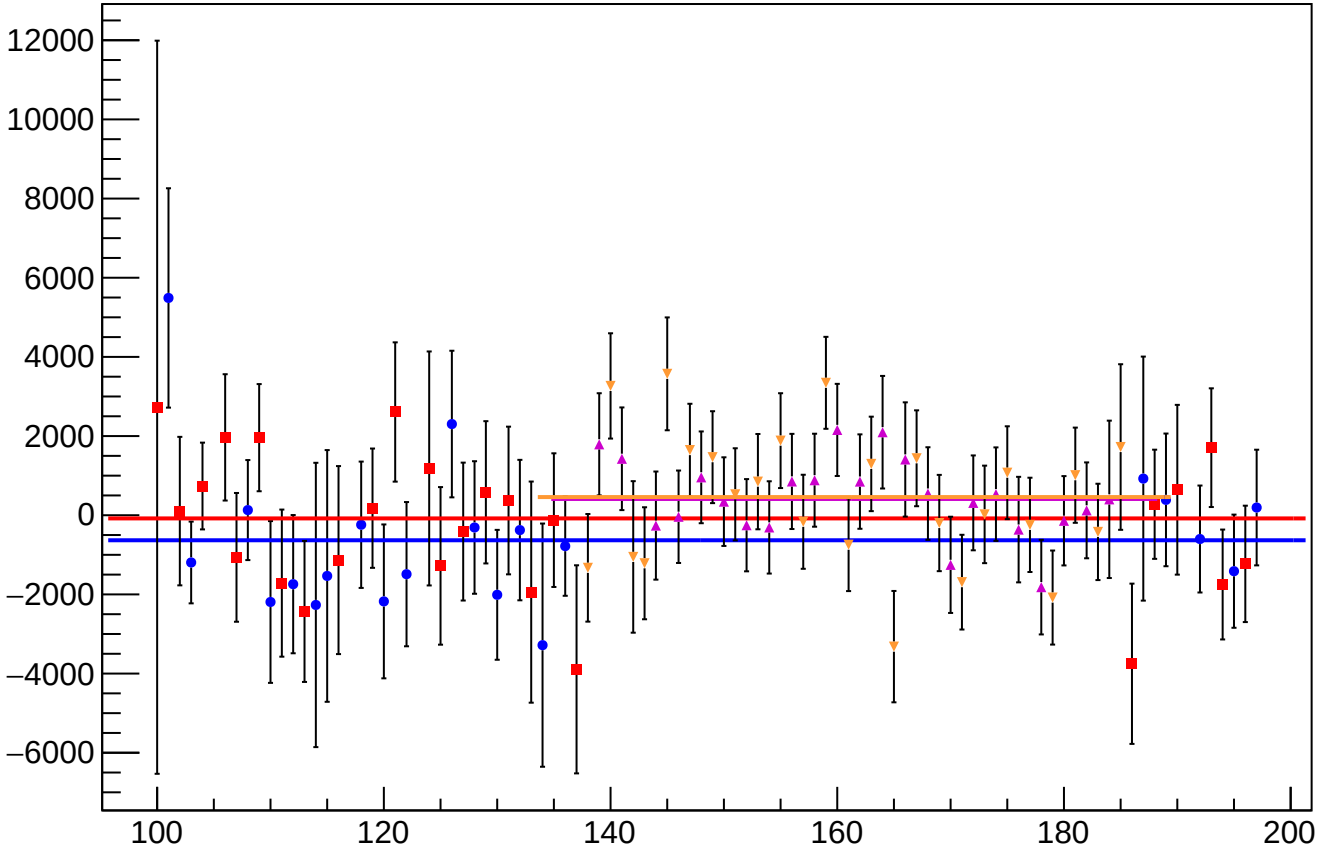
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7883988.2/45

All: 0.000+/-0.000 χ^2/NDF: 16879995.7/93

- sign 0.000+/-0.000 χ^2/NDF: 8991353.3/47

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -632.386+/-366.573 χ^2/NDF: 13.0/20

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -80.303+/-346.664 χ^2/NDF: 20.3/24

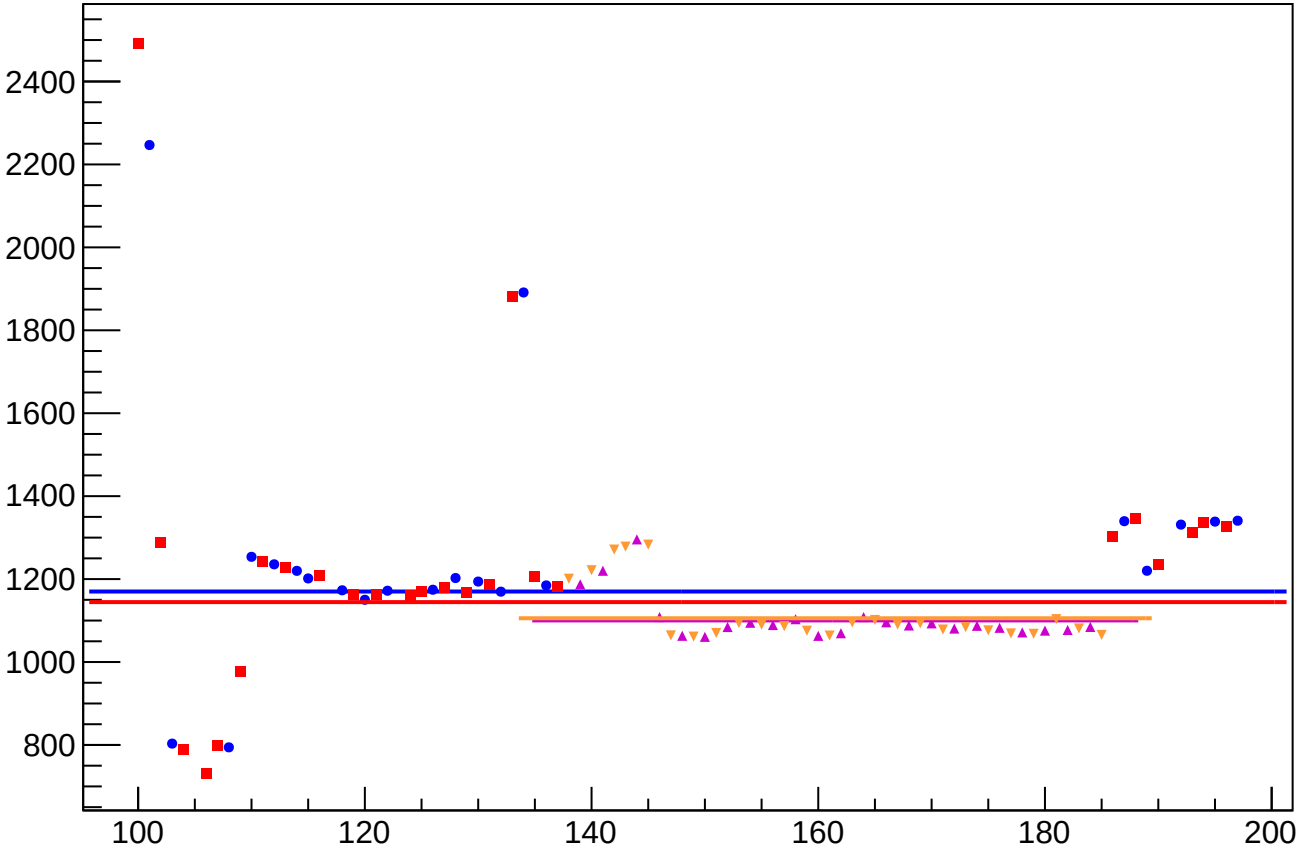
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 109.474+/-207.405 χ^2/NDF: 61.1/45

All: 173.368+/-146.357 χ^2/NDF: 96.5/93

- sign 236.742+/-206.558 χ^2/NDF: 35.2/47

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1170.028+/-0.259 χ^2/NDF: 941331.8/20

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1144.482+/-0.244 χ^2/NDF: 861202.0/24

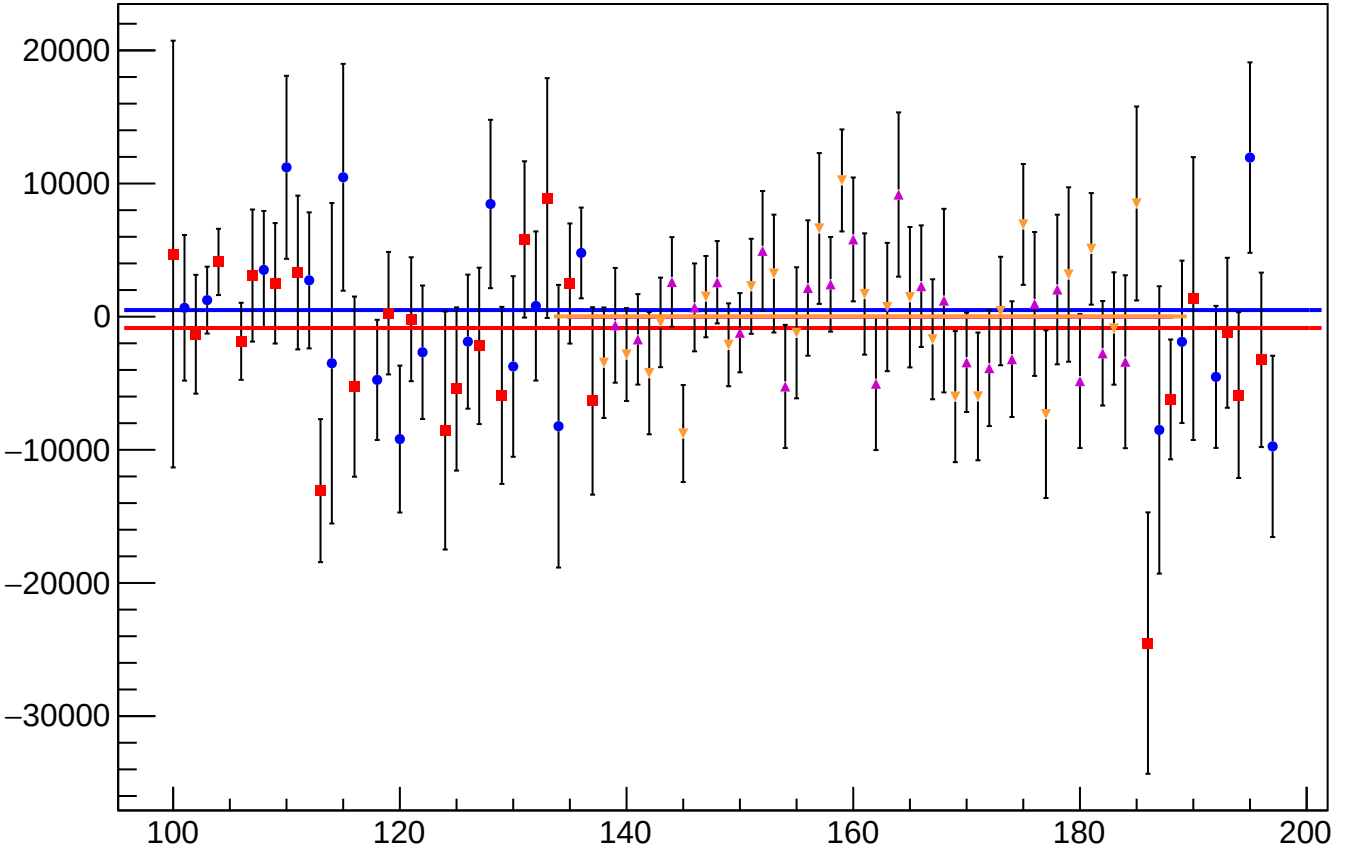
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1126.190+/-0.147 χ^2/NDF: 1105352.0/45

All: 1121.133+/-0.103 χ^2/NDF: 2070223.7/93

- sign 1116.138+/-0.146 χ^2/NDF: 962508.3/47

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 495.599+/-1139.758 χ^2/NDF: 20.5/20

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -850.874+/-1023.154 χ^2/NDF: 25.2/24

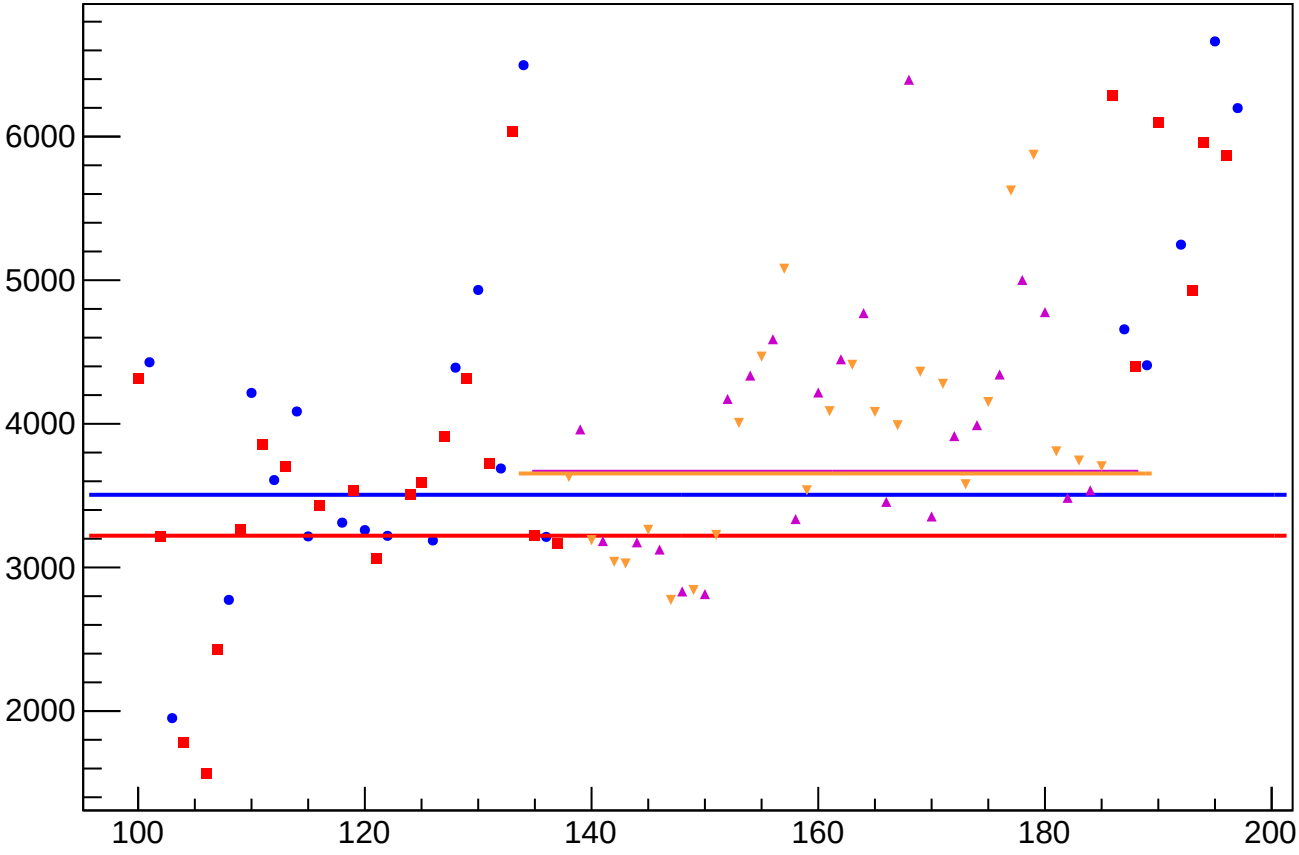
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

\+ sign 192.246+/-681.588 χ^2/NDF: 49.1/45

All: -92.274+/-476.019 χ^2/NDF: 89.1/93

\- sign -363.196+/-665.100 χ^2/NDF: 39.6/47

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3505.886+/-0.806 χ^2/NDF: 2214734.3/20

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3221.129+/-0.723 χ^2/NDF: 3111994.2/24

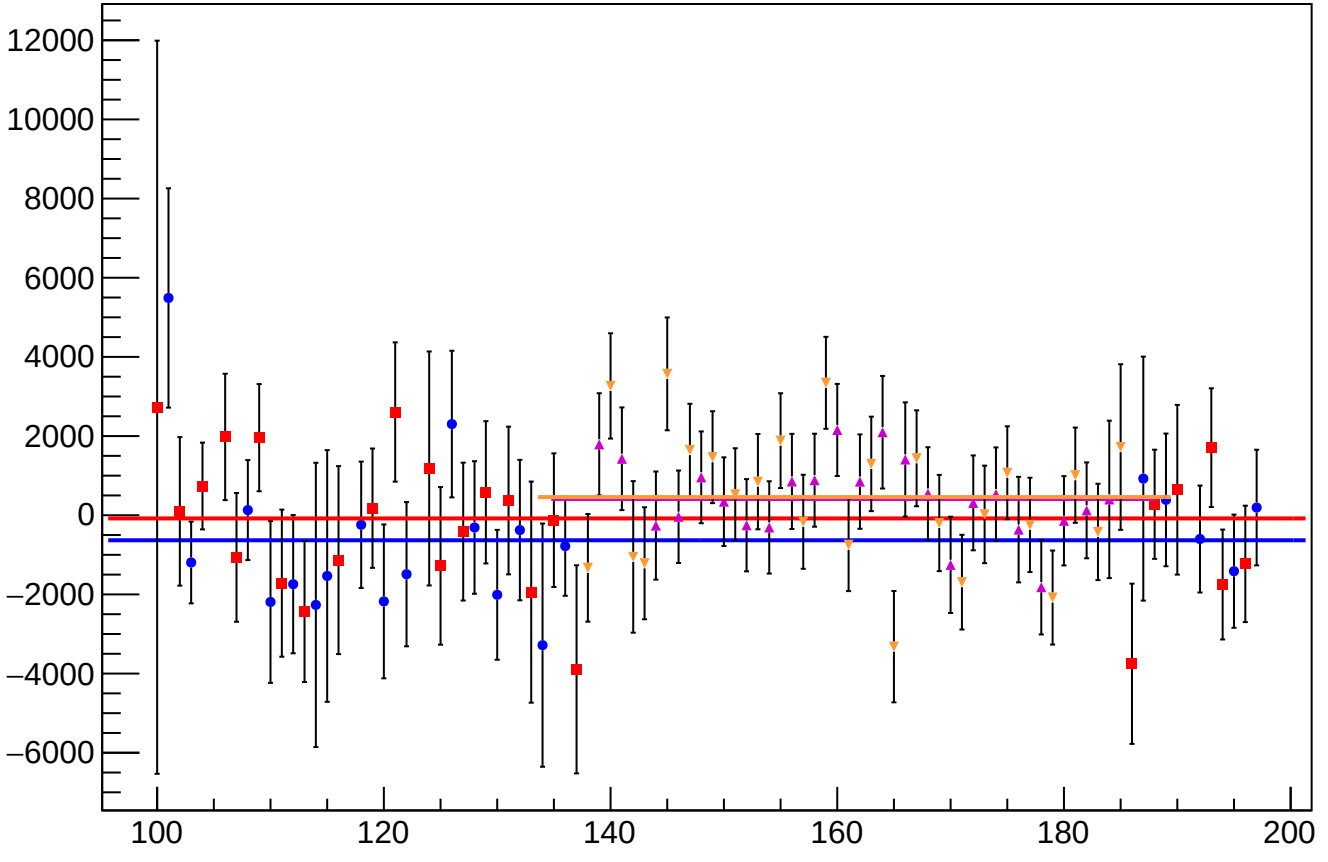
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3601.159+/-0.482 χ^2/NDF: 3548250.4/45

All: 3538.114+/-0.337 χ^2/NDF: 8255807.9/93

- sign 3478.082+/-0.470 χ^2/NDF: 4674152.3/47

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -632.387+/-366.573 χ^2/NDF: 13.0/20

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -80.102+/-346.667 χ^2/NDF: 20.3/24

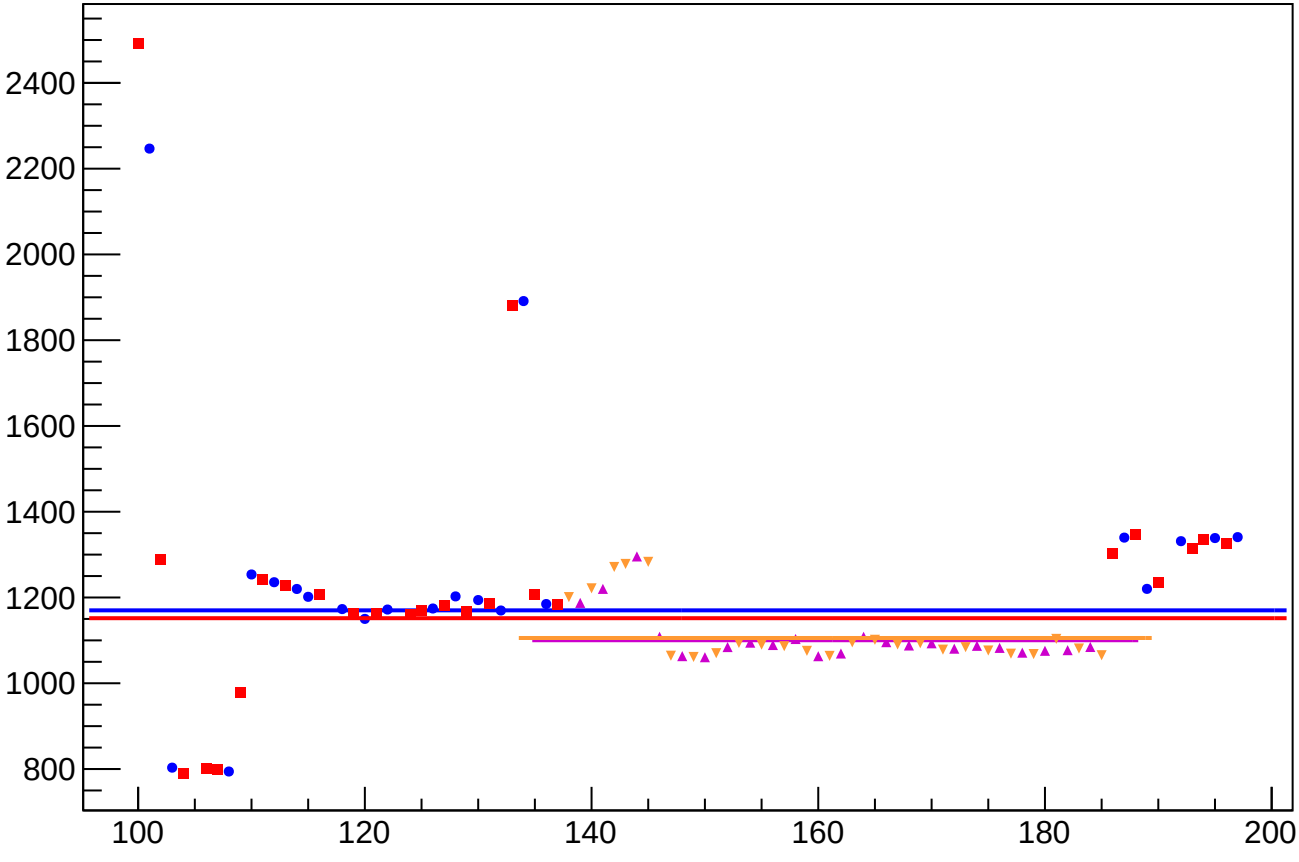
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 109.516+/-207.405 χ^2/NDF: 61.1/45

All: 173.394+/-146.357 χ^2/NDF: 96.6/93

- sign 236.751+/-206.559 χ^2/NDF: 35.3/47

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1170.028+/-0.259 χ^2/NDF: 941327.6/20

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

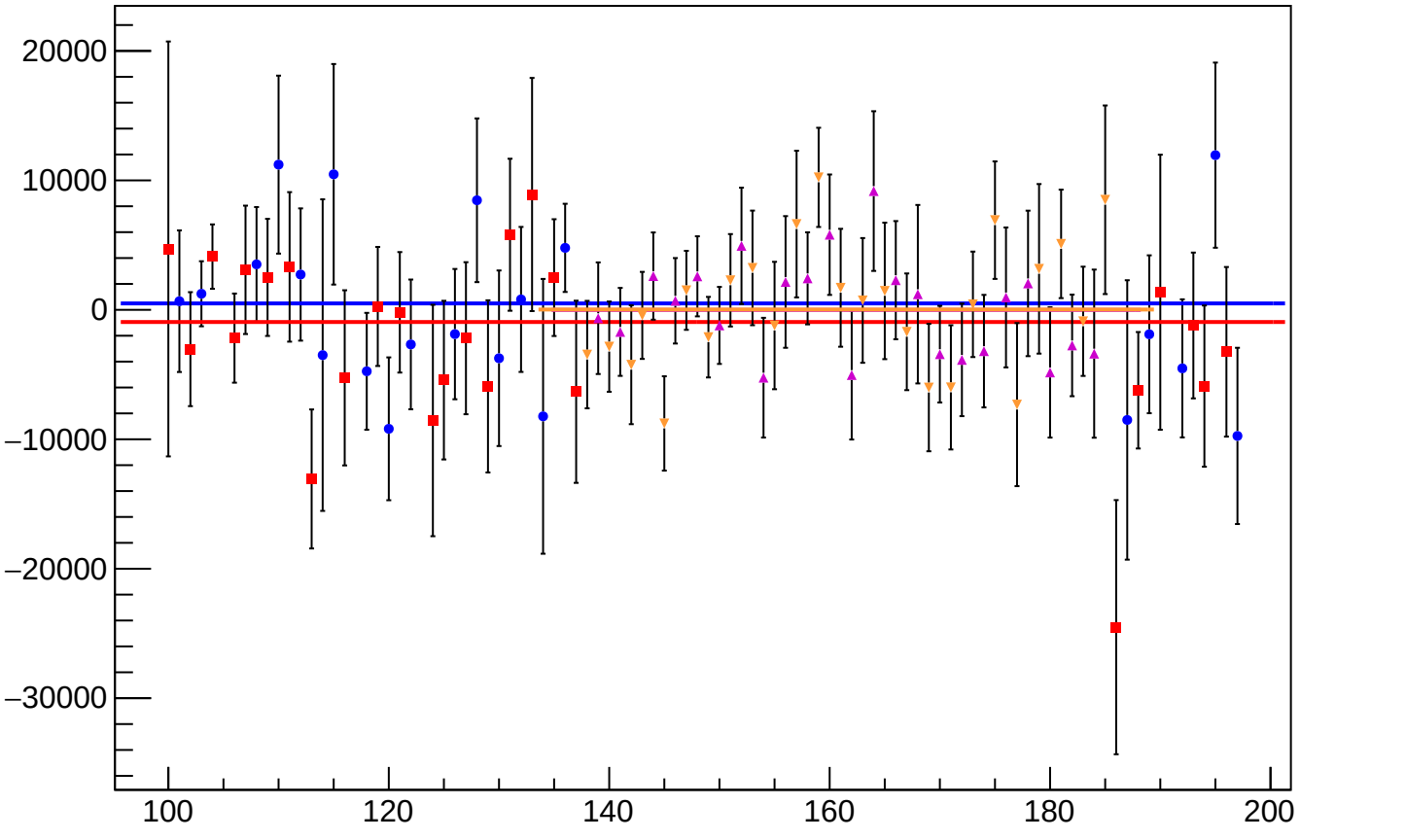
Right Out: 1151.716+/-0.245 χ^2/NDF: 790631.1/24

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1126.190+/-0.147 χ^2/NDF: 1105348.4/45

All: 1122.387+/-0.103 χ^2/NDF: 2005929.5/93

- sign 1118.619+/-0.146 χ^2/NDF: 899242.2/47



Right In: 495.117+/-1139.797 χ^2/NDF: 20.5/20

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

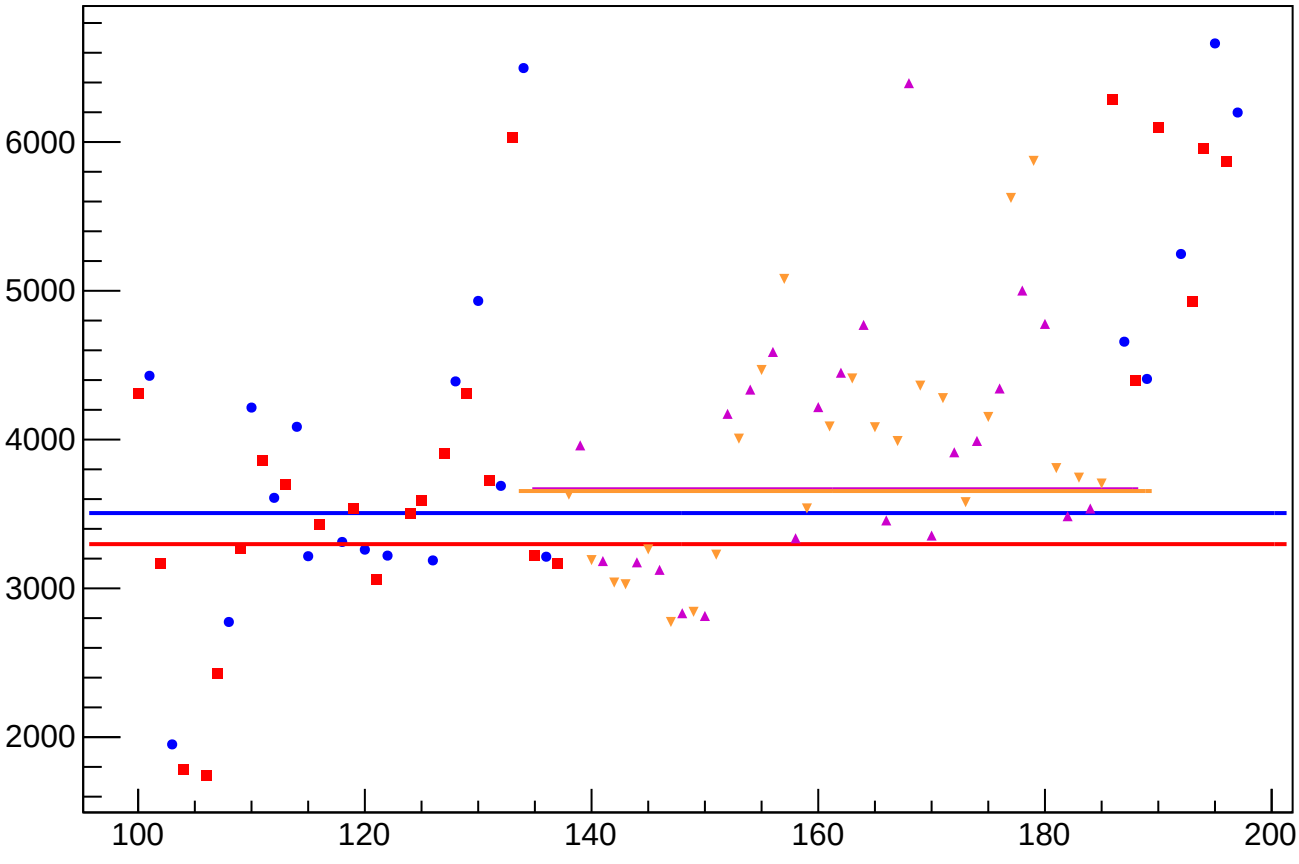
Right Out: -940.678+/-1041.655 χ^2/NDF: 25.5/24

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 192.064+/-681.596 χ^2/NDF: 49.1/45

All: -105.455+/-477.846 χ^2/NDF: 89.4/93

- sign -393.025+/-670.103 χ^2/NDF: 40.0/47



Right In: 3506.066+/-0.806 χ^2/NDF: 2214123.6/20

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3297.318+/-0.737 χ^2/NDF: 2815962.5/24

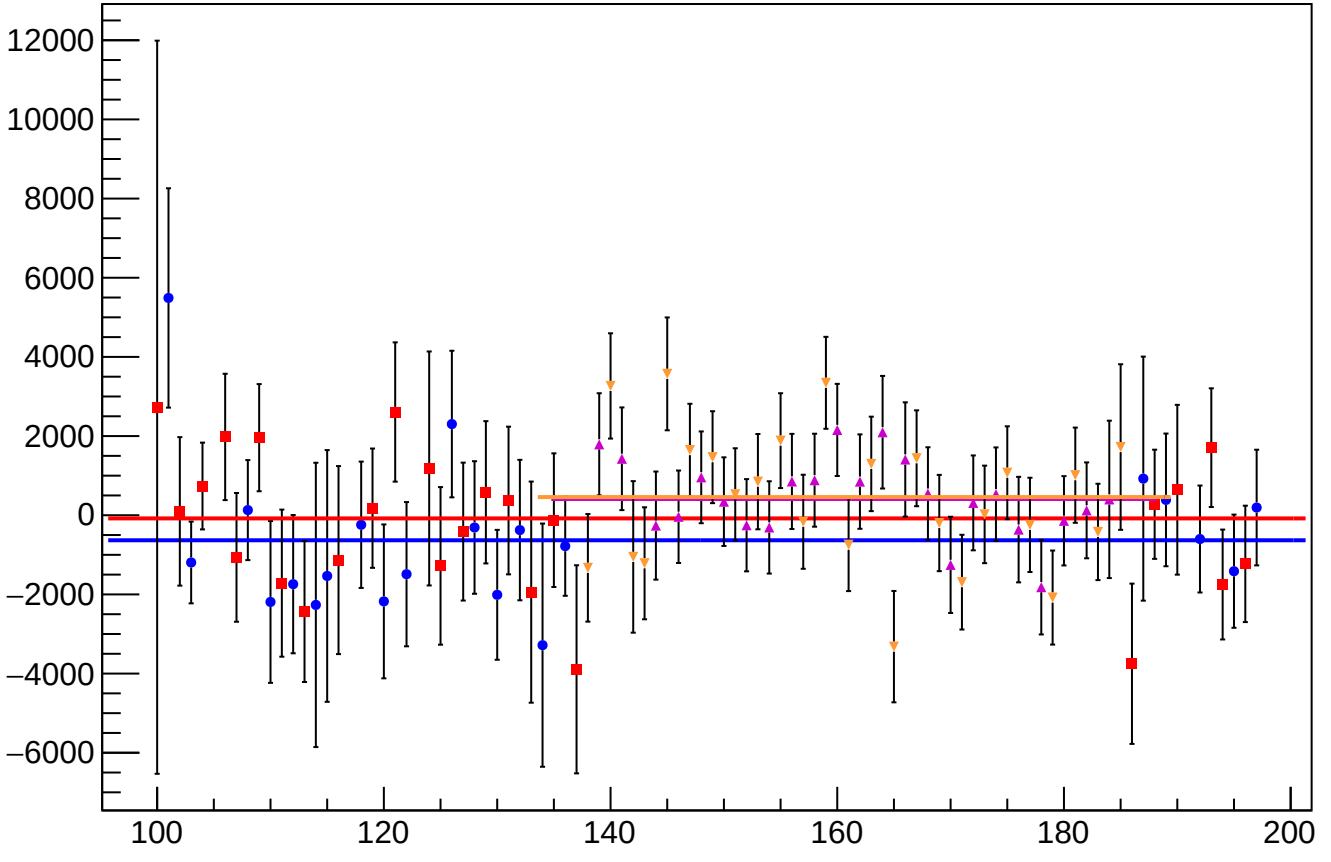
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3601.224+/-0.482 χ^2/NDF: 3547593.0/45

All: 3556.611+/-0.338 χ^2/NDF: 7871067.2/93

- sign 3513.490+/-0.474 χ^2/NDF: 4306624.2/47

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -632.387+/-366.573 χ^2/NDF: 13.0/20

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -80.102+/-346.667 χ^2/NDF: 20.3/24

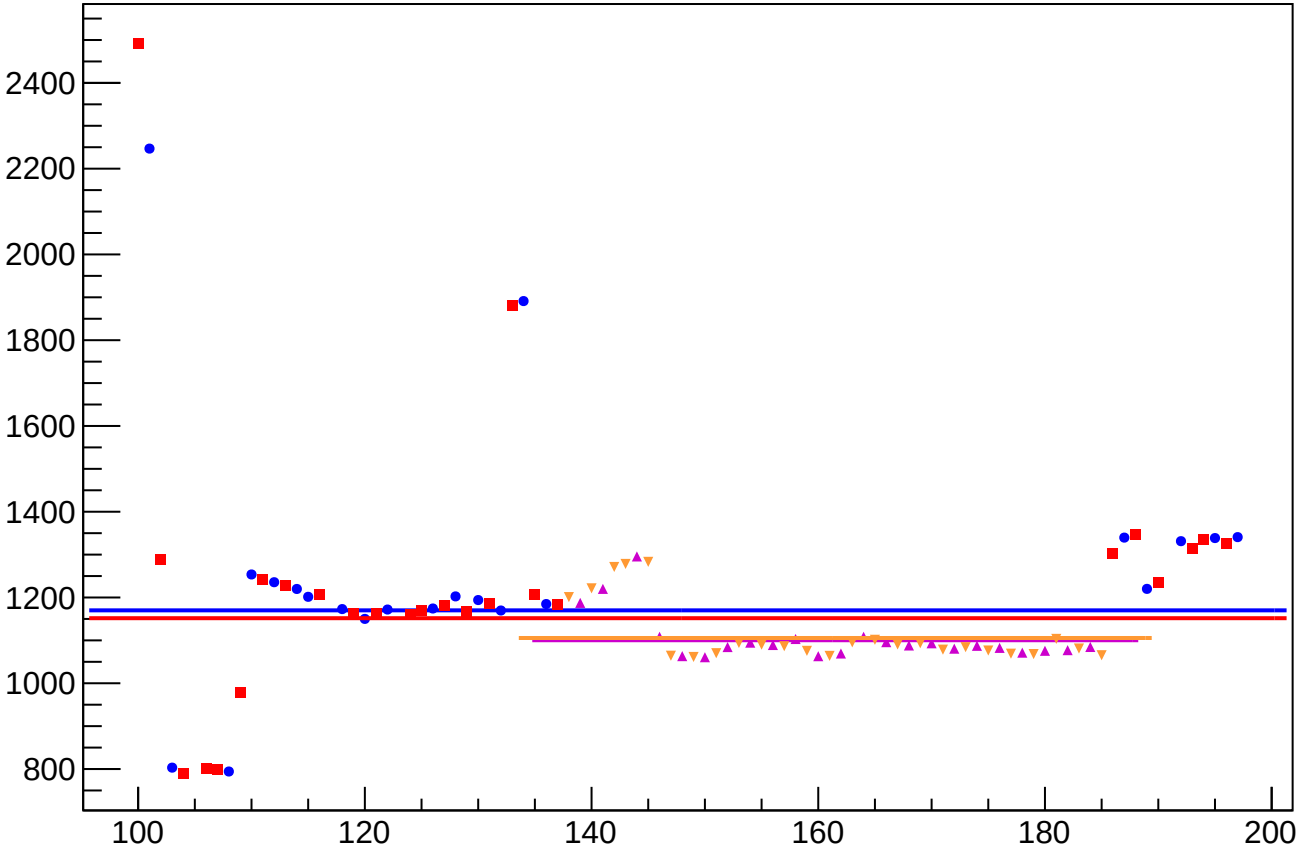
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 109.516+/-207.405 χ^2/NDF: 61.1/45

All: 173.394+/-146.357 χ^2/NDF: 96.6/93

- sign 236.751+/-206.559 χ^2/NDF: 35.3/47

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1170.028+/-0.259 χ^2/NDF: 941327.6/20

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

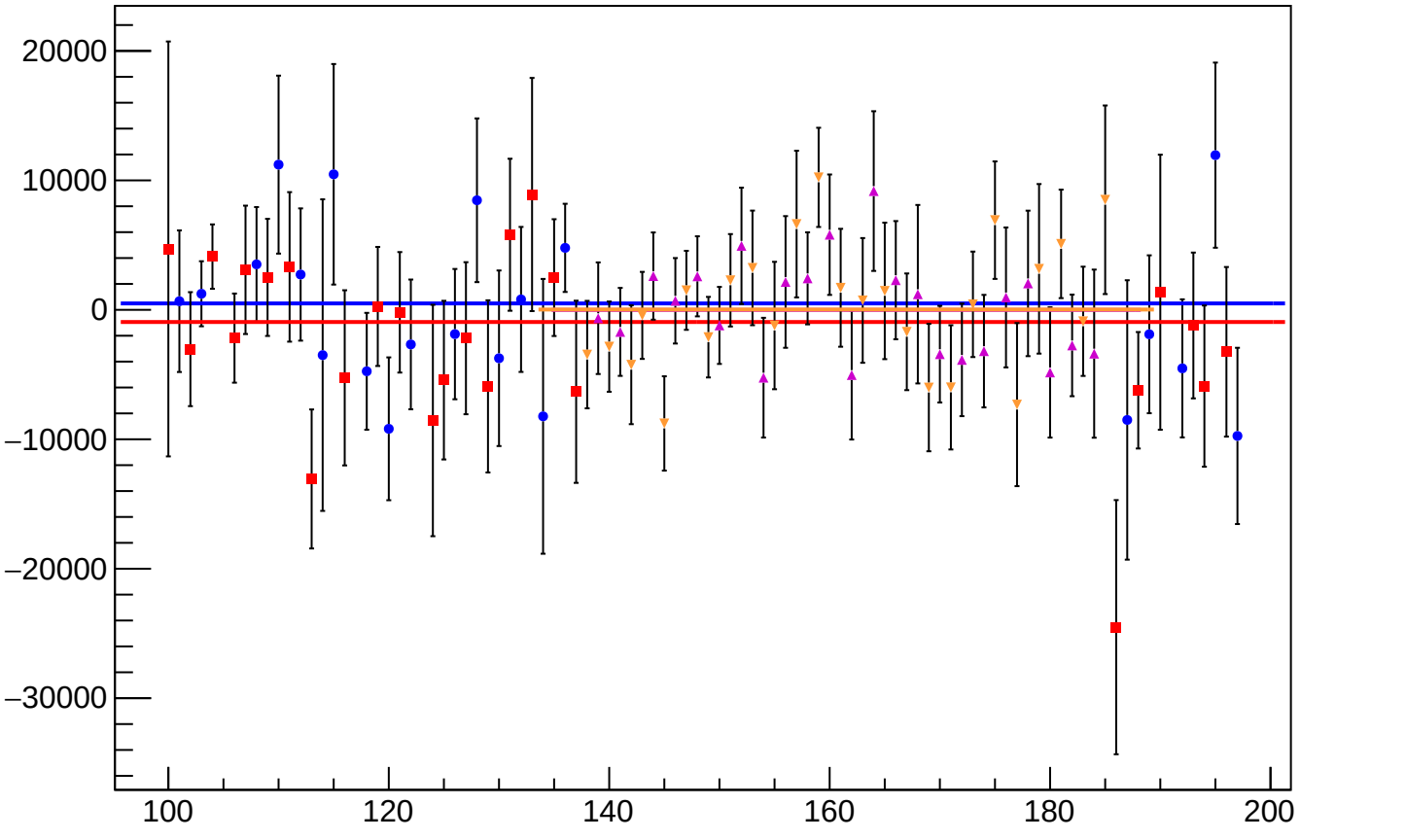
Right Out: 1151.716+/-0.245 χ^2/NDF: 790631.1/24

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1126.190+/-0.147 χ^2/NDF: 1105348.4/45

All: 1122.387+/-0.103 χ^2/NDF: 2005929.5/93

- sign 1118.619+/-0.146 χ^2/NDF: 899242.2/47



Right In: 495.117+/-1139.797 χ^2/NDF: 20.5/20

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

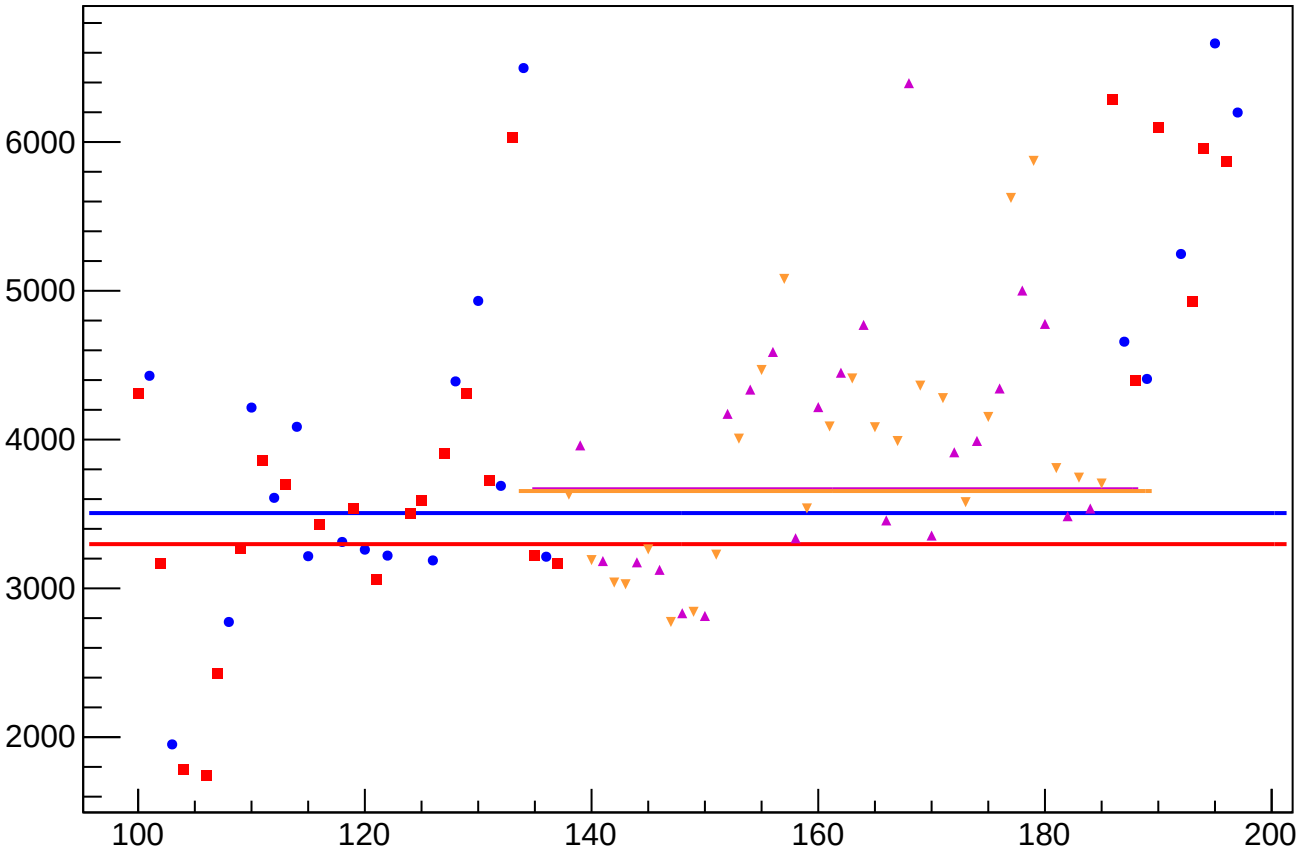
Right Out: -940.678+/-1041.655 χ^2/NDF: 25.5/24

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 192.064+/-681.596 χ^2/NDF: 49.1/45

All: -105.455+/-477.846 χ^2/NDF: 89.4/93

- sign -393.025+/-670.103 χ^2/NDF: 40.0/47



Right In: 3506.066+/-0.806 χ^2/NDF: 2214123.6/20

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3297.318+/-0.737 χ^2/NDF: 2815962.5/24

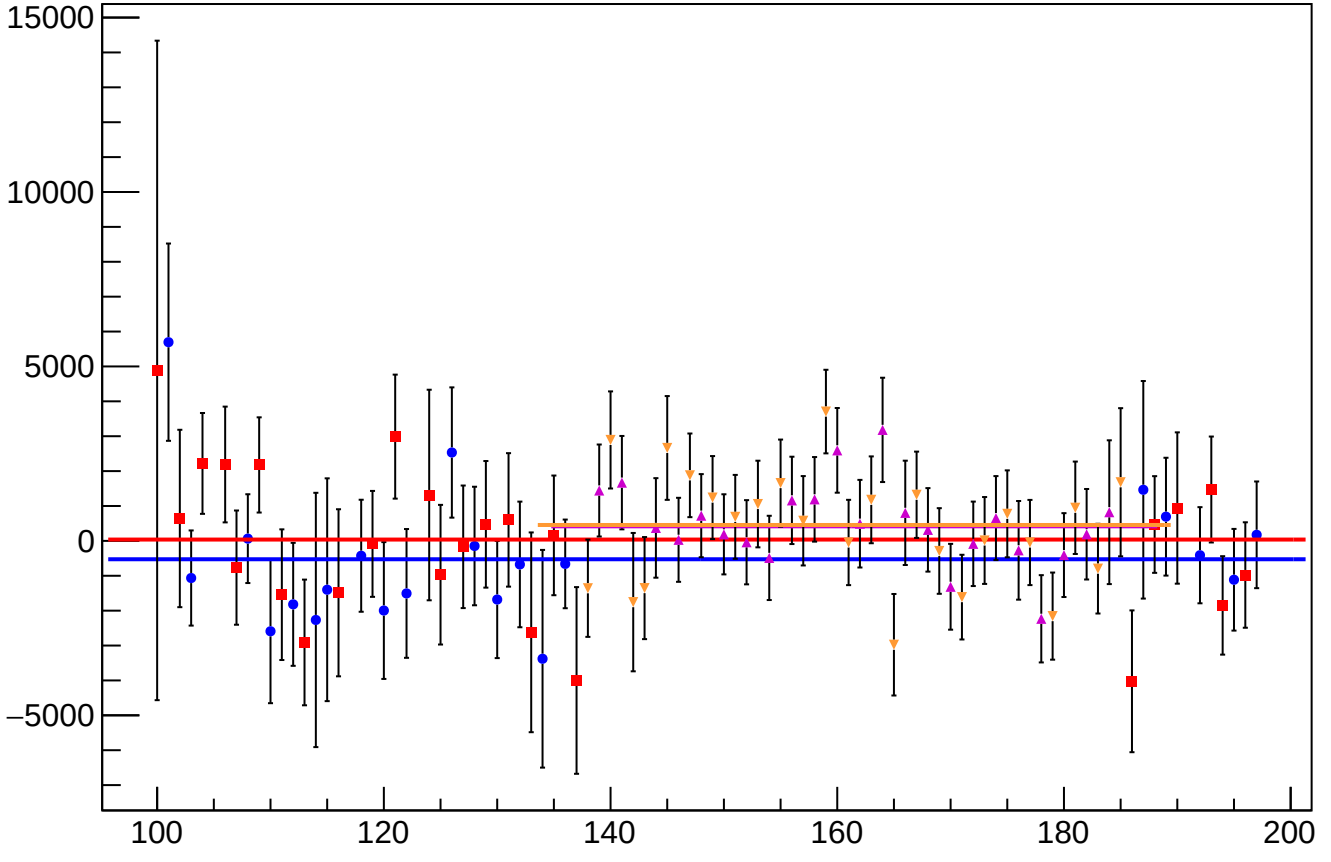
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3601.224+/-0.482 χ^2/NDF: 3547593.0/45

All: 3556.611+/-0.338 χ^2/NDF: 7871067.2/93

- sign 3513.490+/-0.474 χ^2/NDF: 4306624.2/47

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -526.686+/-382.075 χ^2/NDF: 13.3/20

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 37.846+/-361.581 χ^2/NDF: 24.7/24

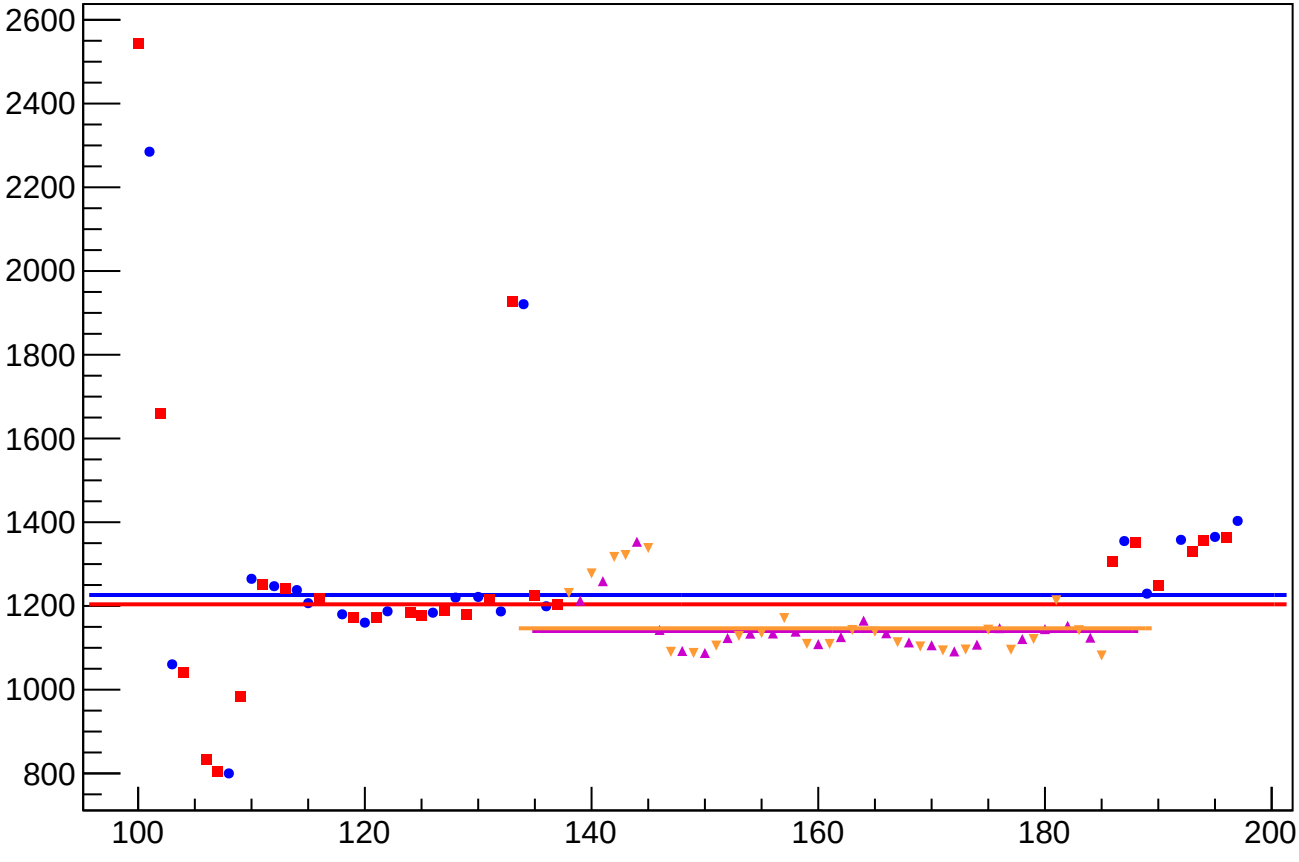
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 143.133+/-215.519 χ^2/NDF: 53.9/45

All: 213.682+/-152.058 χ^2/NDF: 96.9/93

- sign 283.612+/-214.570 χ^2/NDF: 42.7/47

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1226.172+/-0.270 χ^2/NDF: 708832.0/20

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

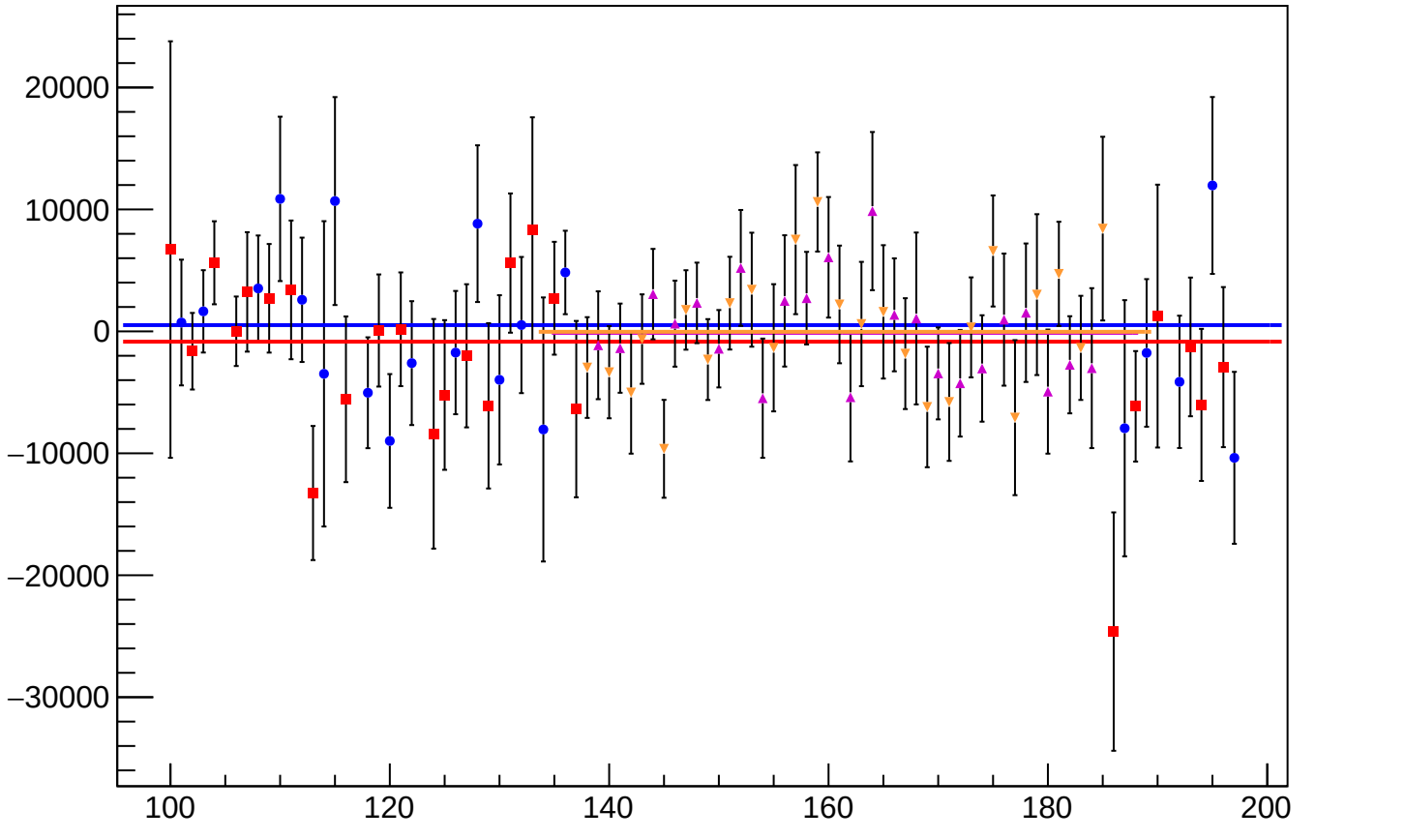
Right Out: 1203.888+/-0.256 χ^2/NDF: 623608.5/24

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1171.927+/-0.152 χ^2/NDF: 908972.9/45

All: 1167.251+/-0.108 χ^2/NDF: 1659449.1/93

- sign 1162.616+/-0.152 χ^2/NDF: 748601.2/47



Right In: 514.867+/-1196.075 χ^2/NDF: 20.4/20

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -844.801+/-1037.082 χ^2/NDF: 24.9/24

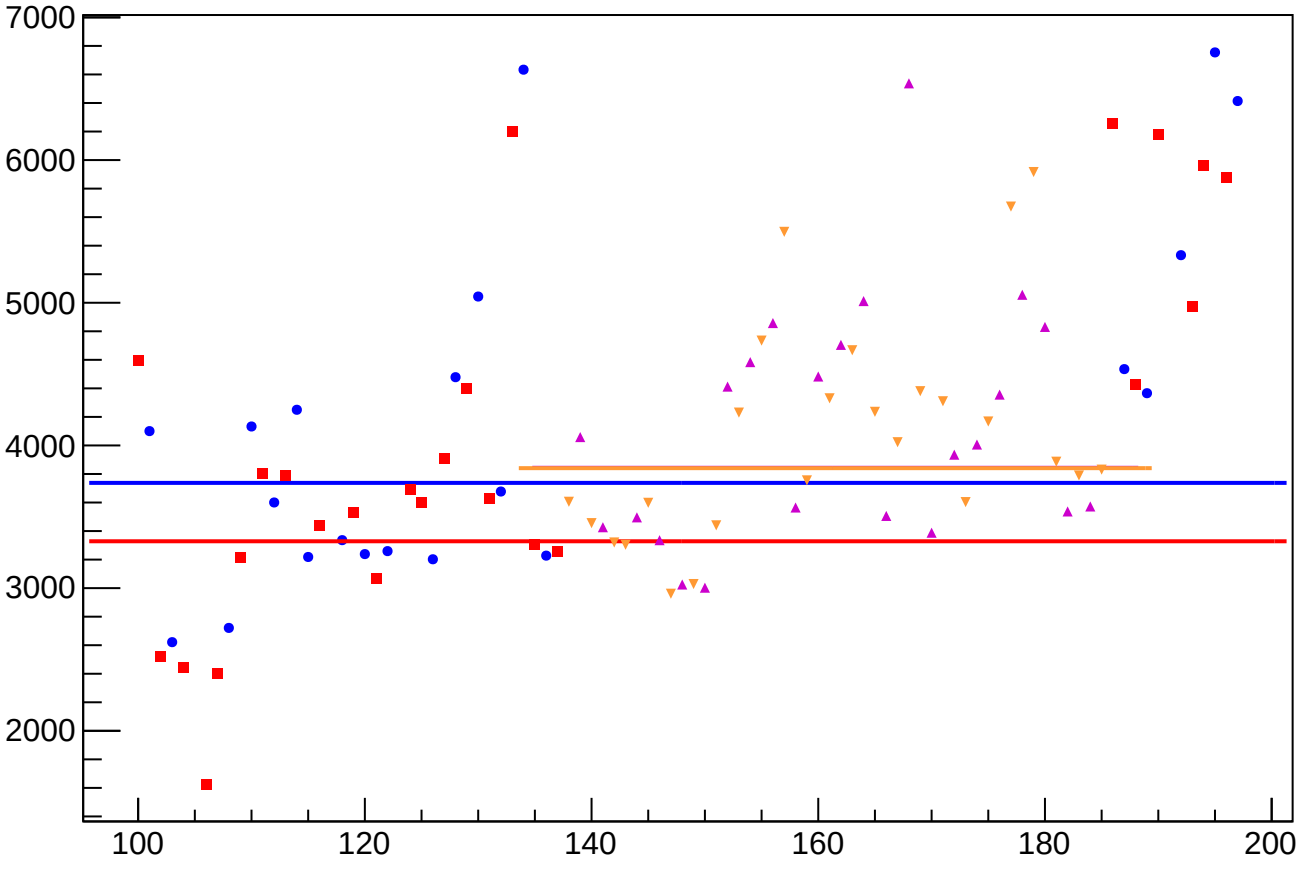
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 162.277+/-714.724 χ^2/NDF: 48.3/45

All: -150.041+/-495.078 χ^2/NDF: 87.6/93

- sign -438.118+/-686.426 χ^2/NDF: 38.9/47

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3737.651+/-0.846 χ^2/NDF: 1555262.6/20

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3328.412+/-0.733 χ^2/NDF: 2643814.7/24

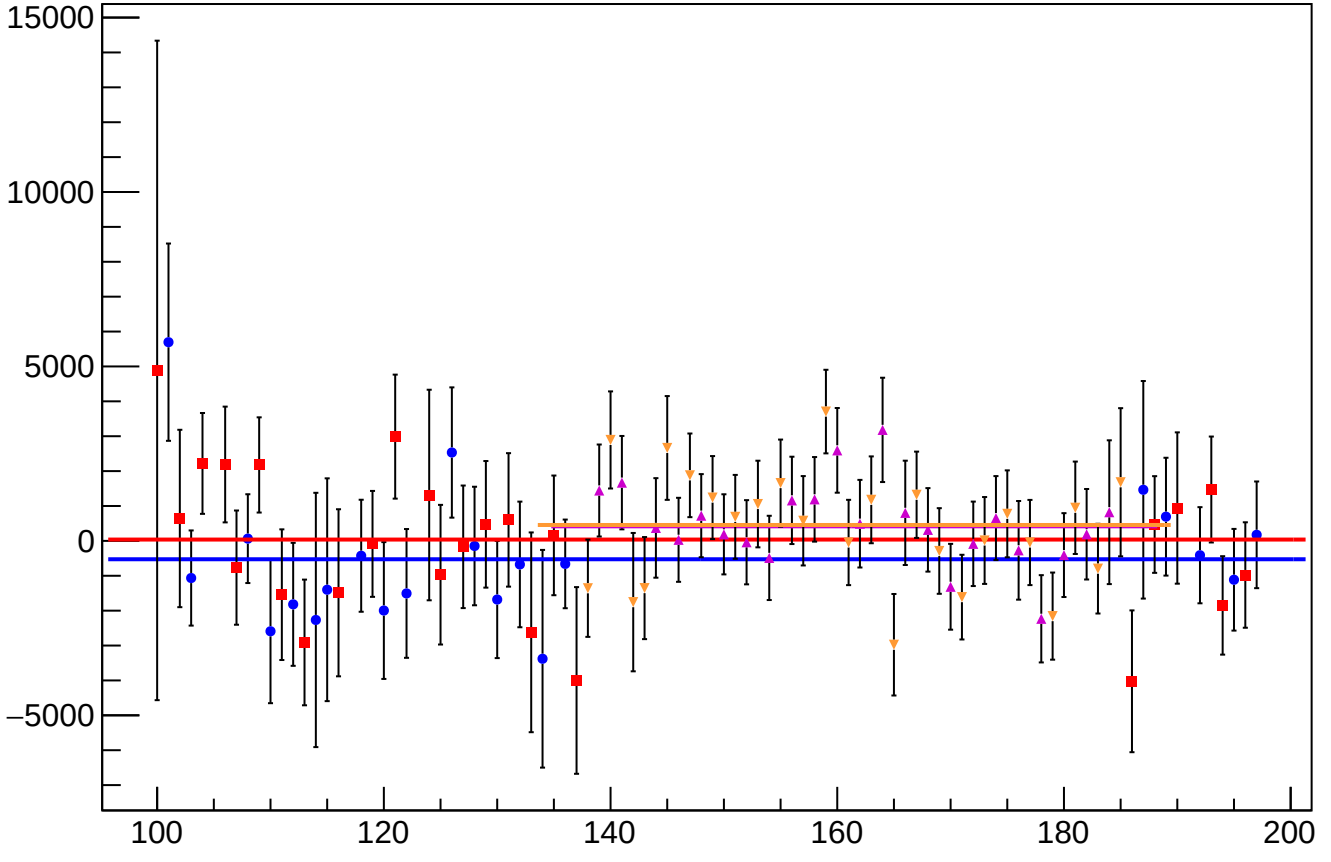
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3803.988+/-0.505 χ^2/NDF: 2683497.9/45

All: 3707.109+/-0.350 χ^2/NDF: 6871052.5/93

- sign 3617.749+/-0.485 χ^2/NDF: 4116914.2/47

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -526.689+/-382.075 χ^2/NDF: 13.3/20

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 37.849+/-361.581 χ^2/NDF: 24.7/24

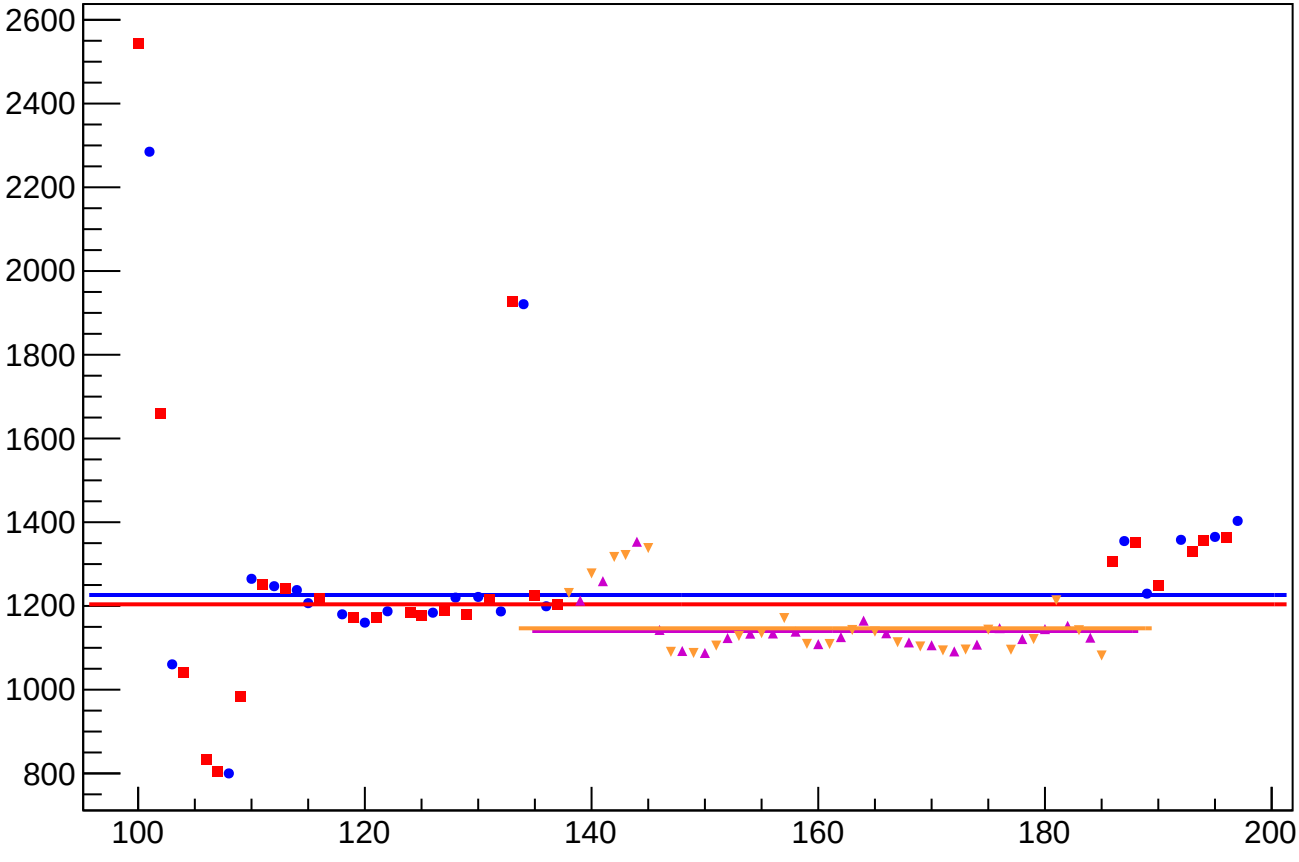
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 143.135+/-215.519 χ^2/NDF: 53.9/45

All: 213.683+/-152.058 χ^2/NDF: 96.9/93

- sign 283.612+/-214.570 χ^2/NDF: 42.7/47

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1226.172+/-0.270 χ^2/NDF: 708832.4/20

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

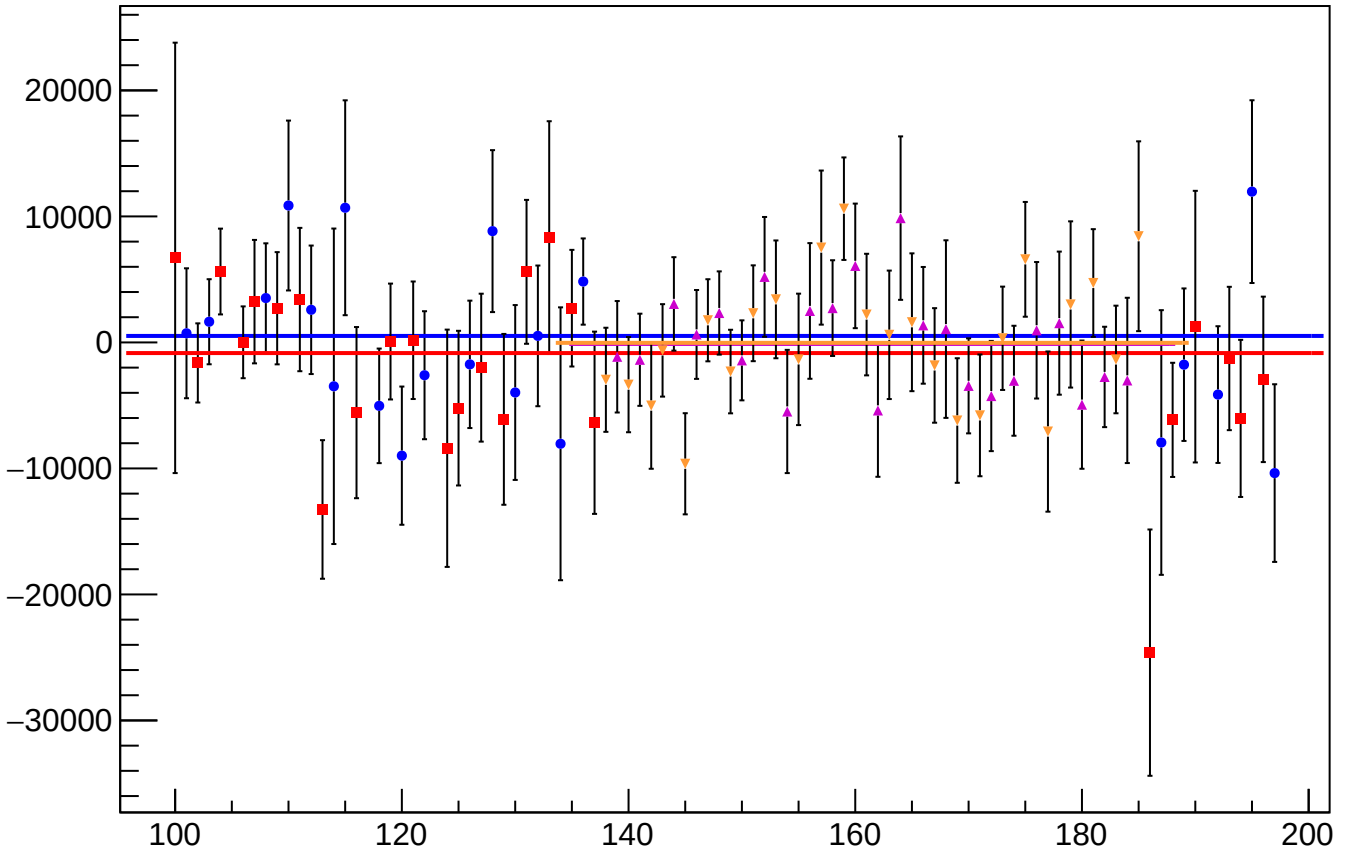
Right Out: 1203.888+/-0.256 χ^2/NDF: 623607.7/24

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1171.928+/-0.152 χ^2/NDF: 908972.1/45

All: 1167.251+/-0.108 χ^2/NDF: 1659446.4/93

- sign 1162.617+/-0.152 χ^2/NDF: 748599.3/47



Right In: 514.852+/-1196.075 χ^2/NDF: 20.4/20

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

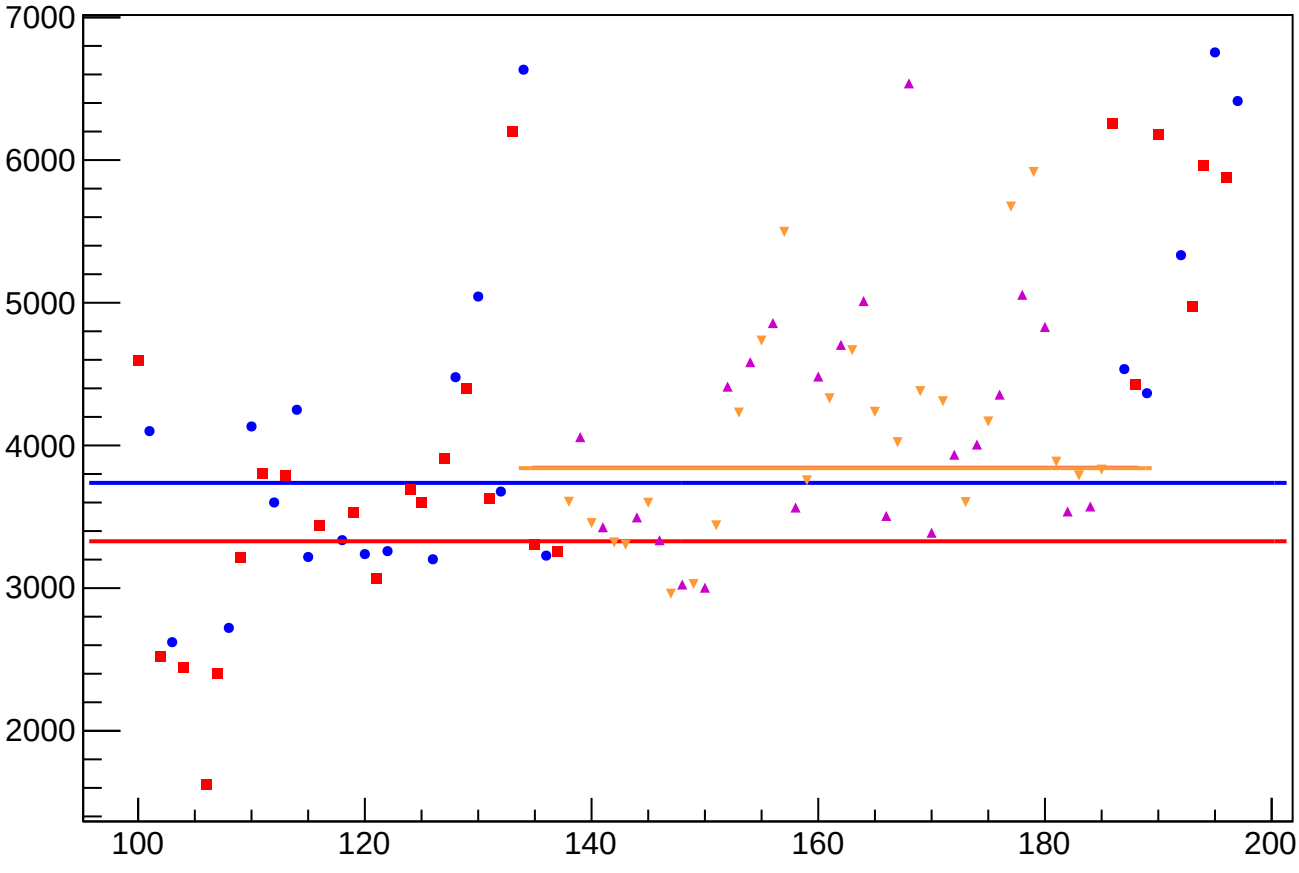
Right Out: -844.793+/-1037.080 χ^2/NDF: 24.9/24

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 162.273+/-714.724 χ^2/NDF: 48.3/45

All: -150.043+/-495.079 χ^2/NDF: 87.6/93

- sign -438.117+/-686.426 χ^2/NDF: 38.9/47



Right In: 3737.648+/-0.846 χ^2/NDF: 1555264.7/20

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3328.407+/-0.733 χ^2/NDF: 2643821.6/24

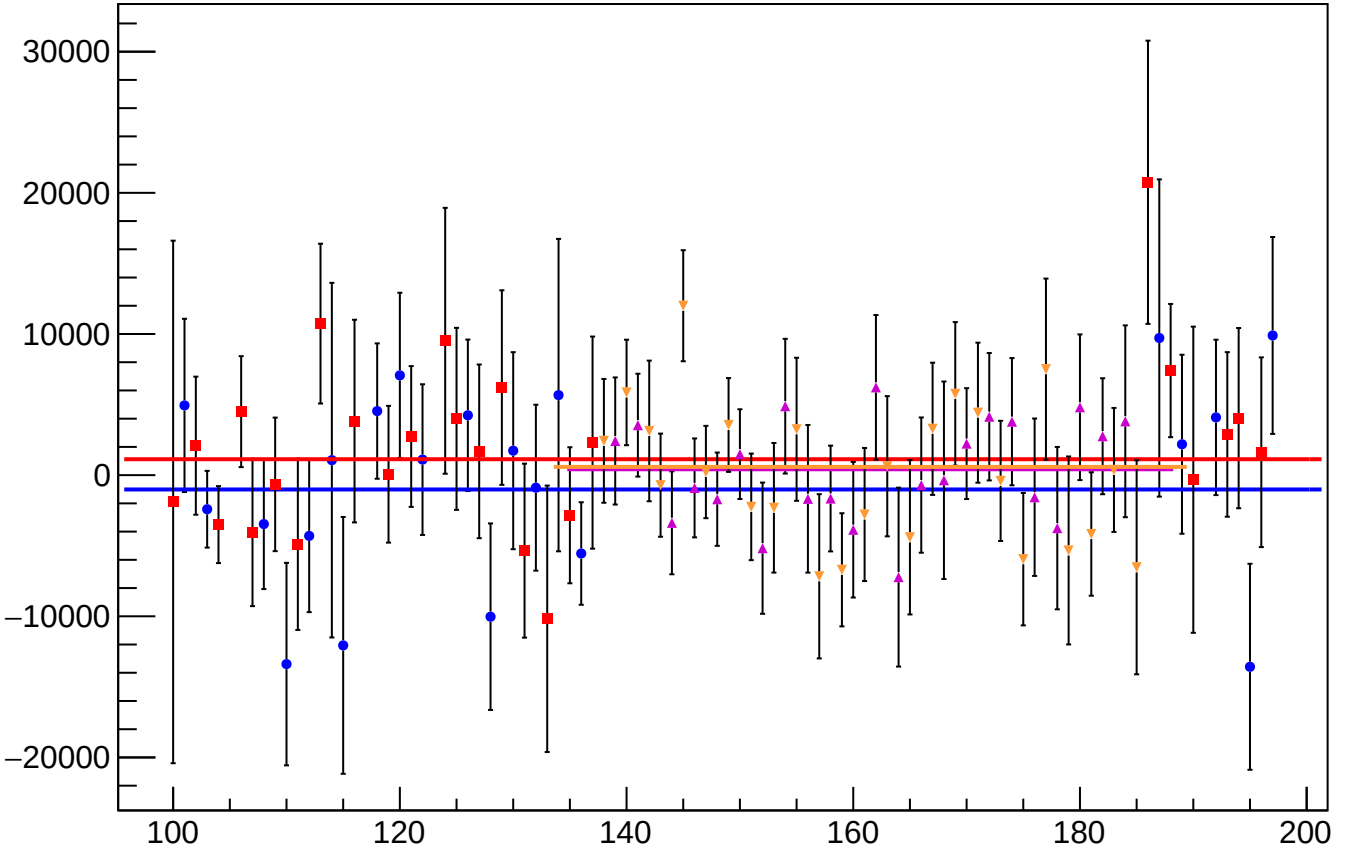
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3803.990+/-0.505 χ^2/NDF: 2683503.2/45

All: 3707.110+/-0.350 χ^2/NDF: 6871080.7/93

- sign 3617.749+/-0.485 χ^2/NDF: 4116935.5/47

asym_usr_atr2_dd_mean vs Slug



Right In: -1015.353+/-1208.014 χ^2/NDF: 22.1/20

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1128.301+/-1113.470 χ^2/NDF: 19.7/24

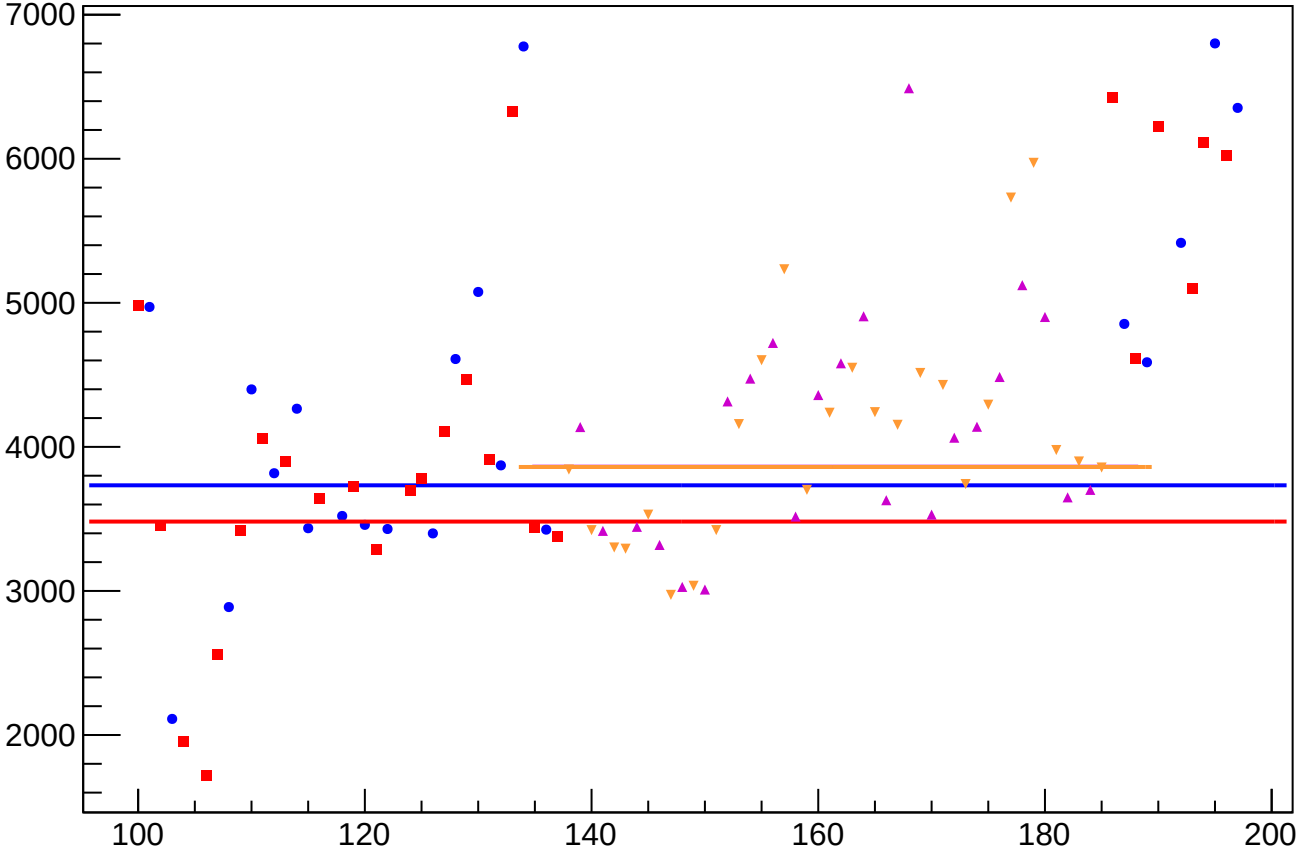
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 16.829+/-719.082 χ^2/NDF: 50.7/45

All: 365.930+/-504.784 χ^2/NDF: 83.5/93

- sign 705.095+/-708.774 χ^2/NDF: 32.4/47

asym_usr_atr2_dd_rms vs Slug



Right In: 3733.245+/-0.854 χ^2/NDF: 2061715.7/20

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

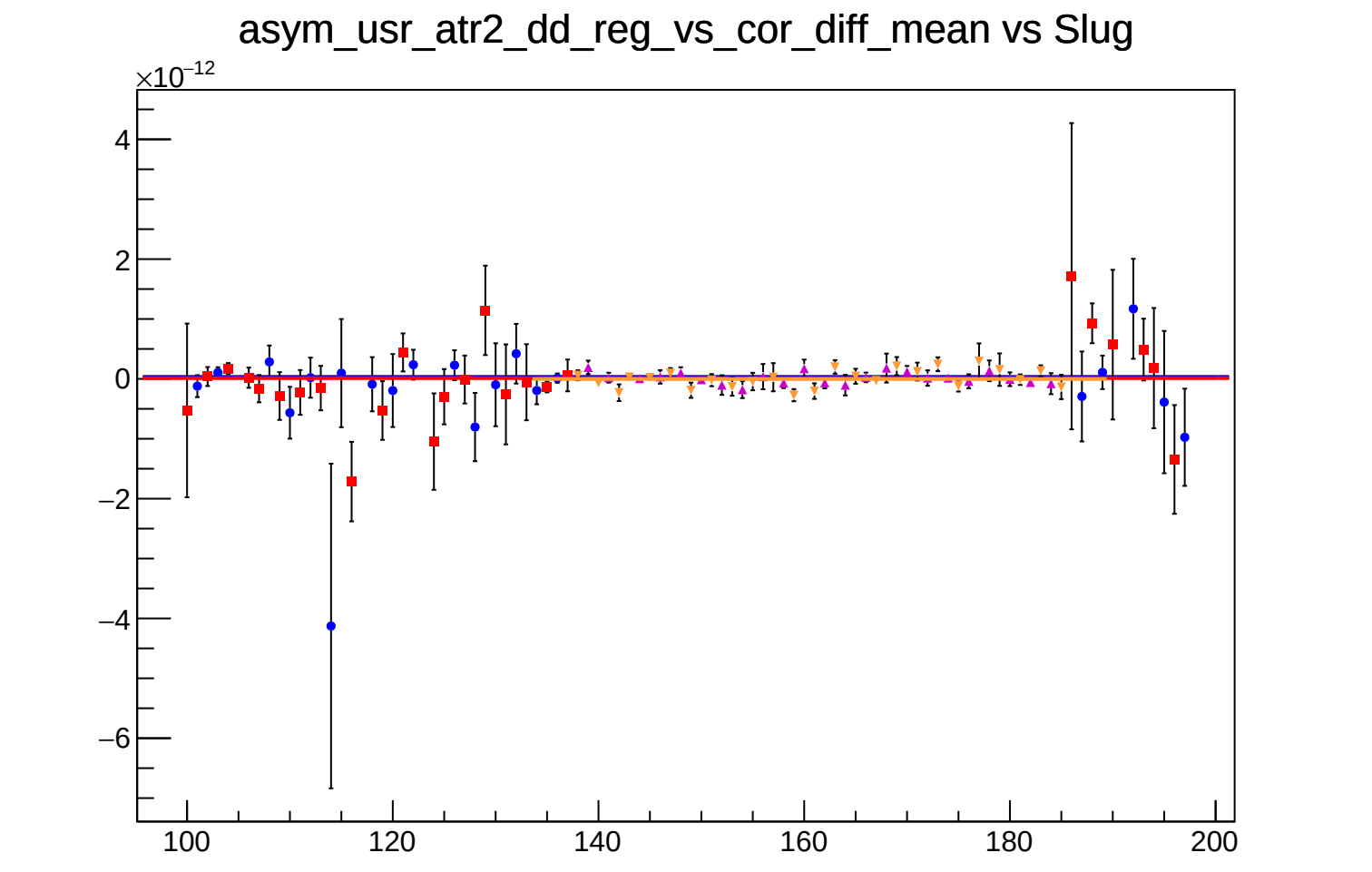
Right Out: 3481.557+/-0.776 χ^2/NDF: 2739295.2/24

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3815.432+/-0.508 χ^2/NDF: 3173346.4/45

All: 3759.344+/-0.356 χ^2/NDF: 7220126.5/93

- sign 3705.472+/-0.498 χ^2/NDF: 4022924.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

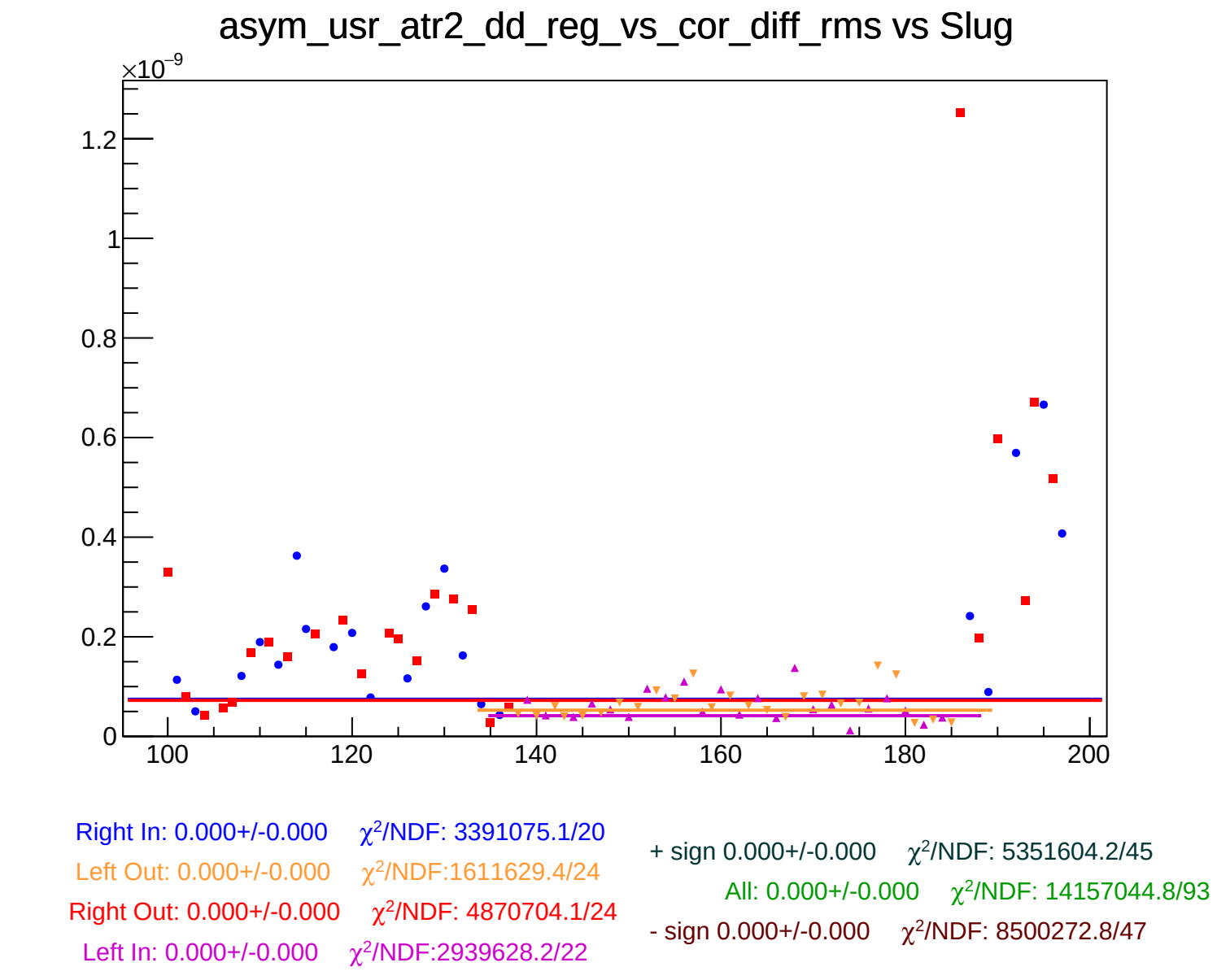
Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/24

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

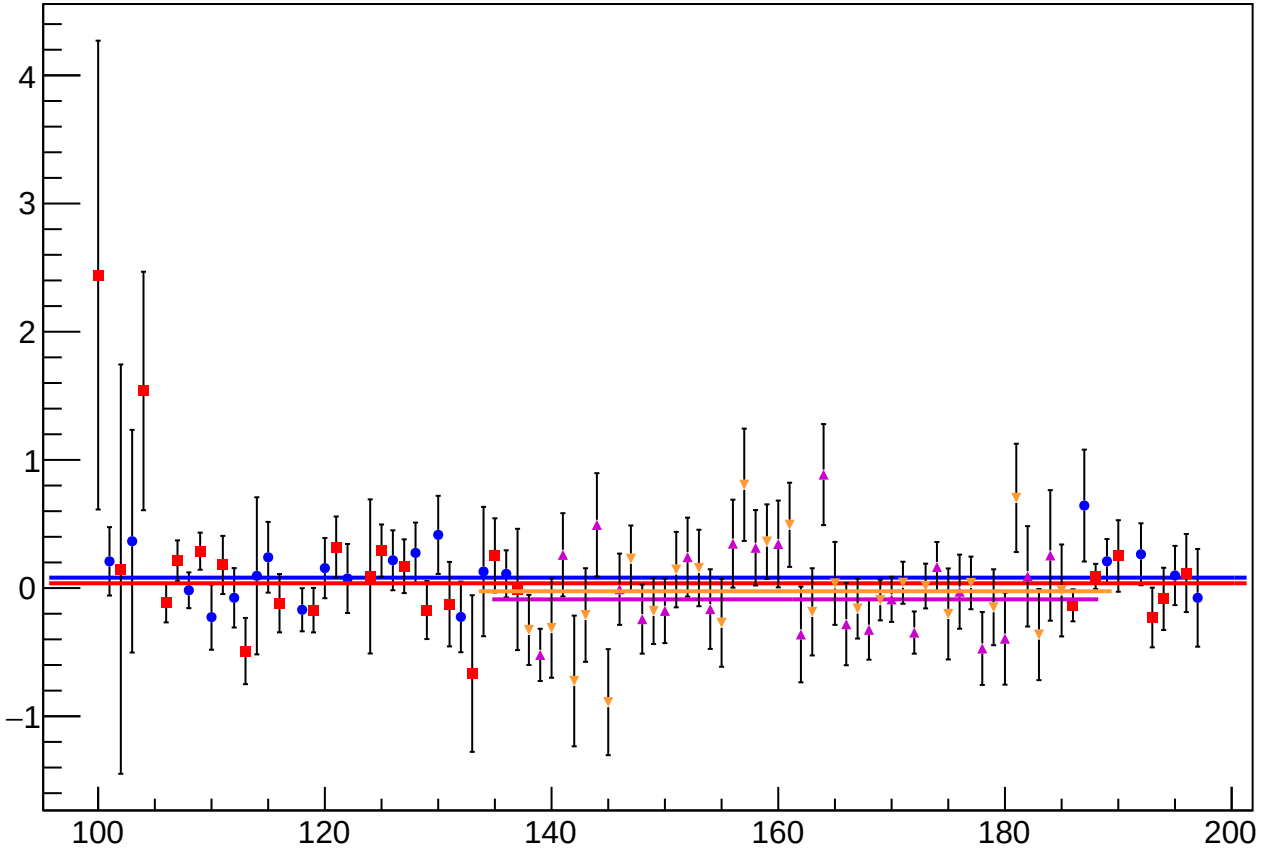
+ sign 0.000+/-0.000 χ^2/NDF: 50.3/45

All: 0.000+/-0.000 χ^2/NDF: 96.7/93

- sign 0.000+/-0.000 χ^2/NDF: 46.3/47


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3391075.1/20
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 4870704.1/24
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5351604.2/45
All: 0.000+/-0.000 χ²/NDF: 14157044.8/93
- sign 0.000+/-0.000 χ²/NDF: 8500272.8/47

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.081+/-0.053 χ^2/NDF: 11.8/20

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.037+/-0.042 χ^2/NDF: 26.9/24

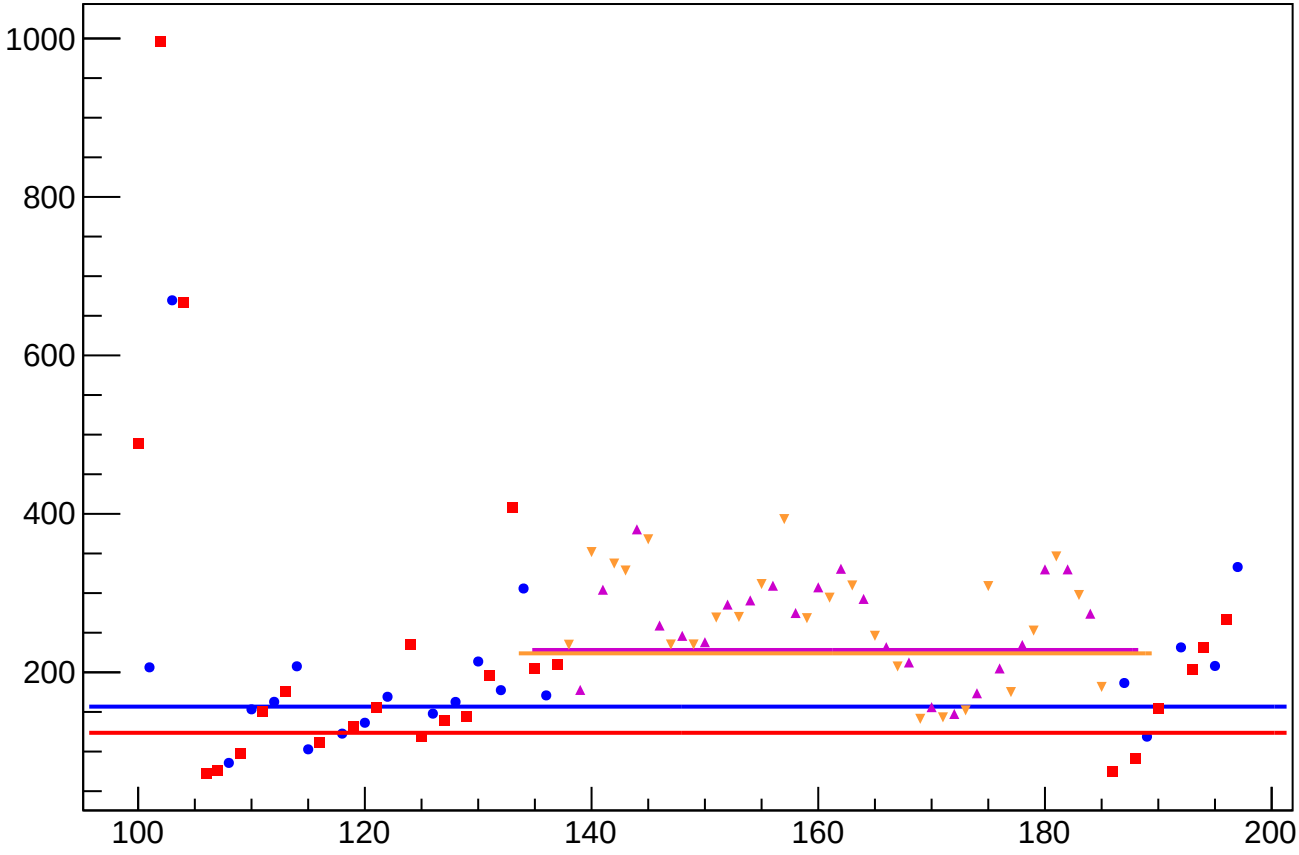
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.030+/-0.038 χ^2/NDF: 37.9/45

All: 0.009+/-0.025 χ^2/NDF: 98.4/93

- sign -0.007+/-0.034 χ^2/NDF: 60.0/47

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 156.707+/-0.037 χ^2/NDF: 2571233.8/20

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 123.666+/-0.030 χ^2/NDF: 4479755.6/24

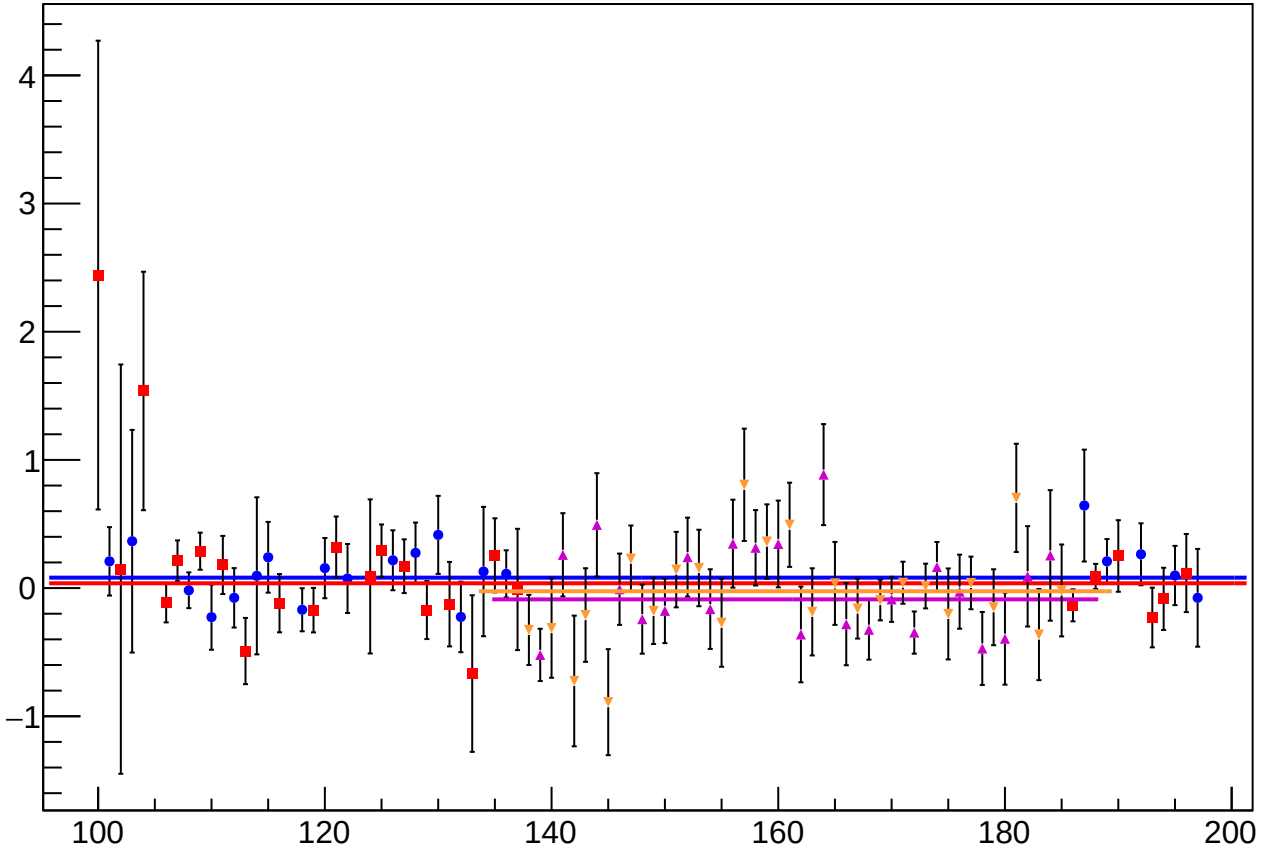
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.203+/-0.027 χ^2/NDF: 7576864.6/45

All: 173.444+/-0.018 χ^2/NDF: 19545247.7/93

- sign 160.929+/-0.024 χ^2/NDF: 11349882.2/47

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.081+/-0.053 χ^2/NDF: 11.8/20

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.037+/-0.042 χ^2/NDF: 26.9/24

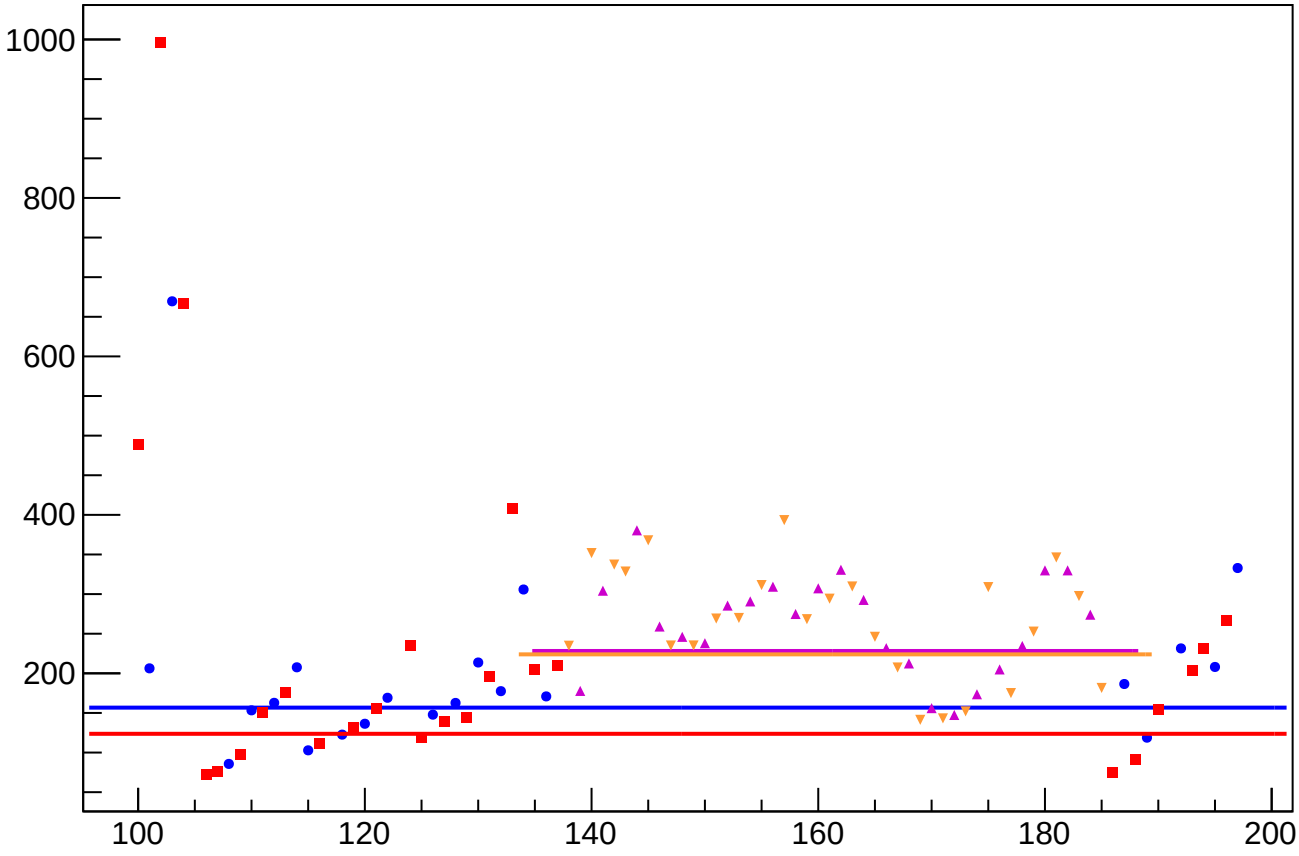
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.030+/-0.038 χ^2/NDF: 37.9/45

All: 0.009+/-0.025 χ^2/NDF: 98.4/93

- sign -0.007+/-0.034 χ^2/NDF: 60.0/47

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 156.707+/-0.037 χ^2/NDF: 2571233.8/20

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

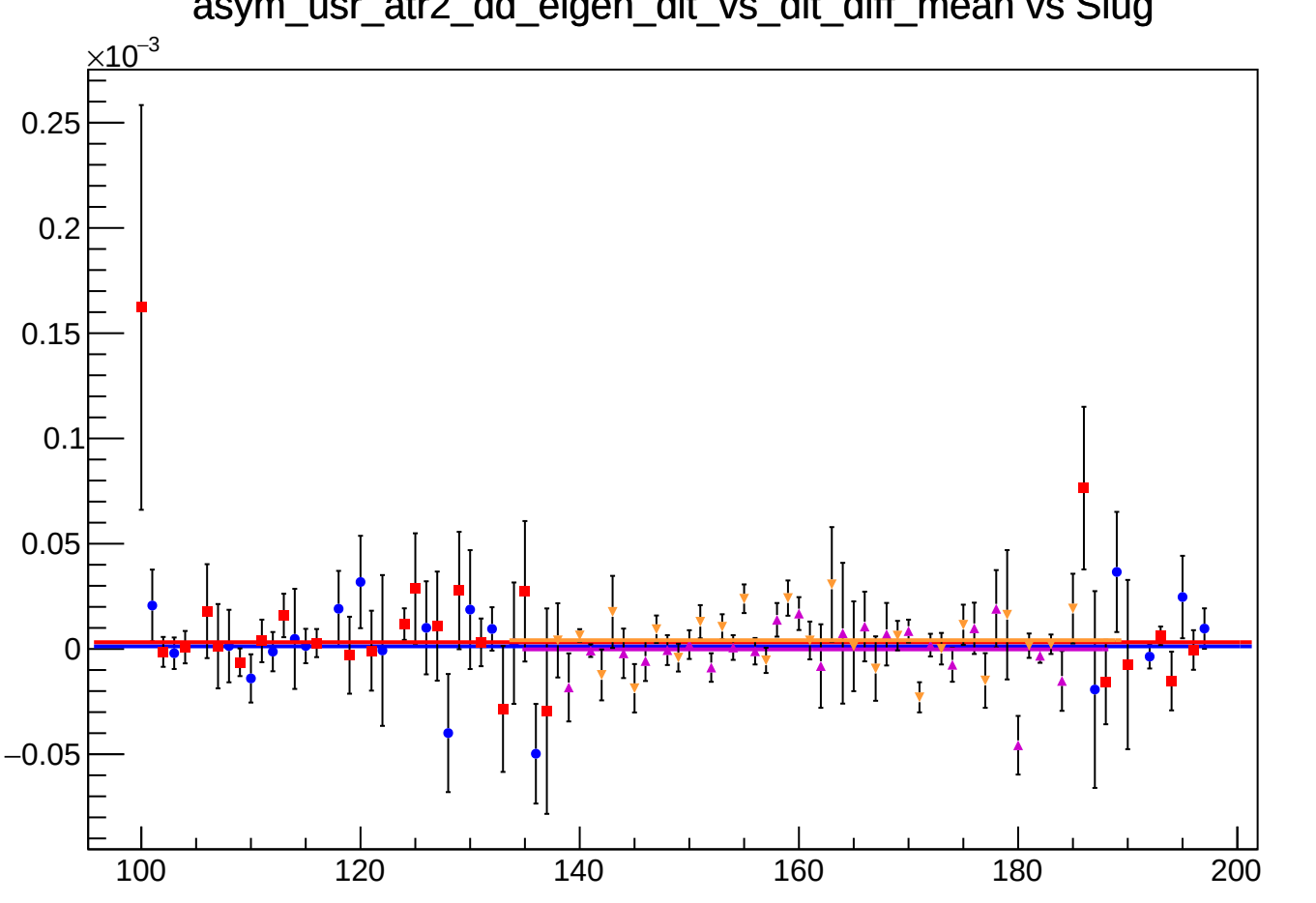
Right Out: 123.666+/-0.030 χ^2/NDF: 4479755.6/24

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.203+/-0.027 χ^2/NDF: 7576864.6/45

All: 173.444+/-0.018 χ^2/NDF: 19545247.7/93

- sign 160.929+/-0.024 χ^2/NDF: 11349882.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

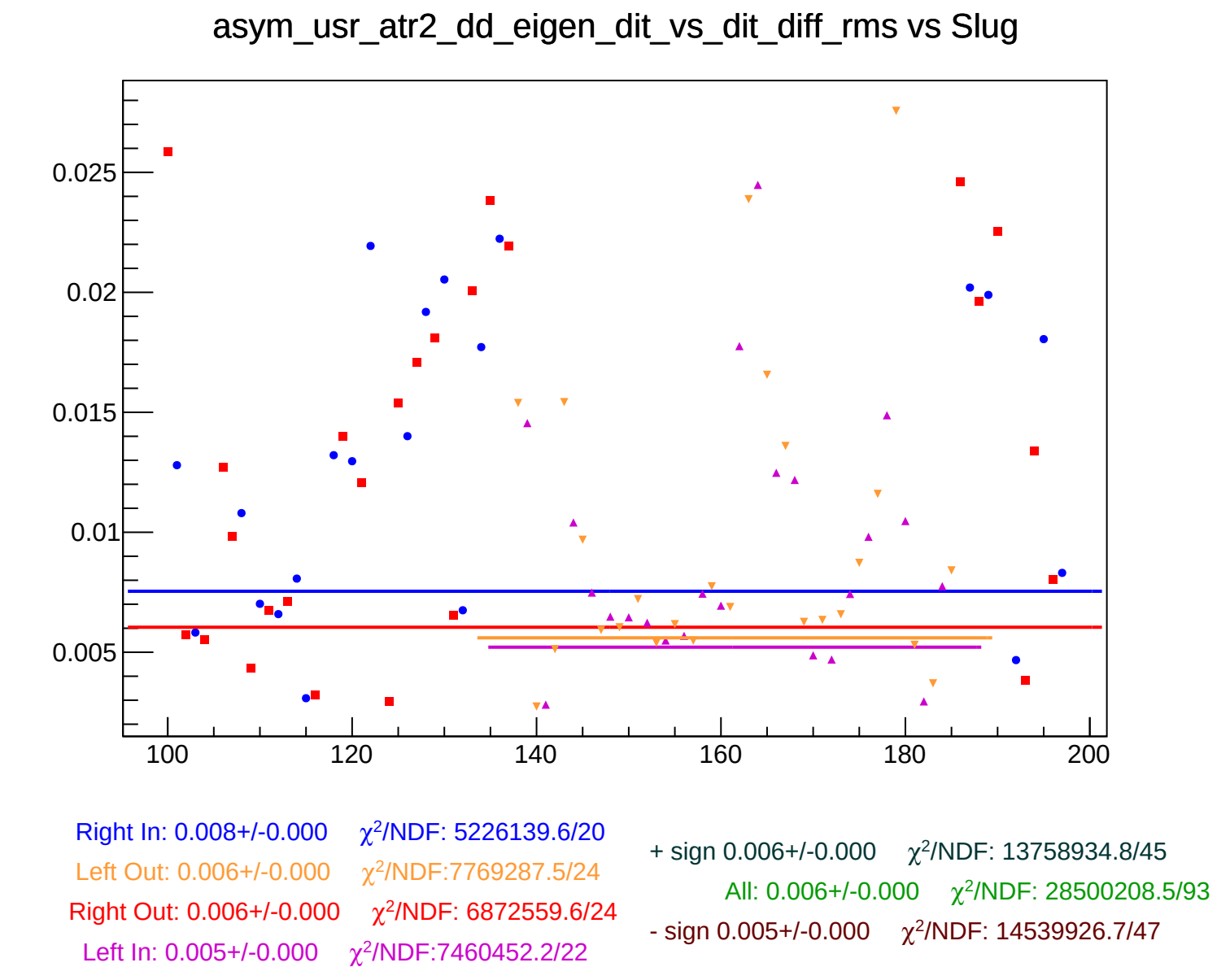
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/24

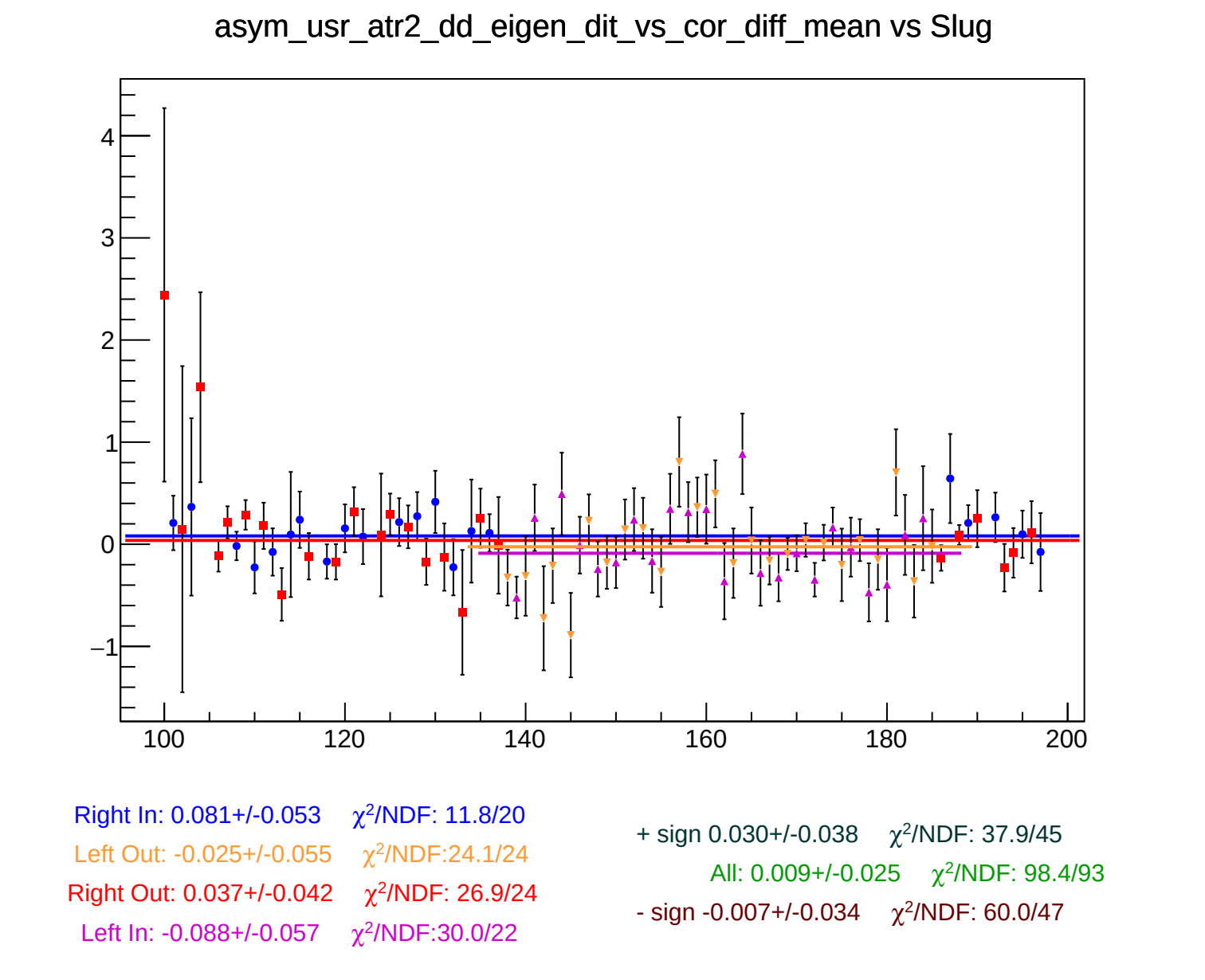
Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.6/45

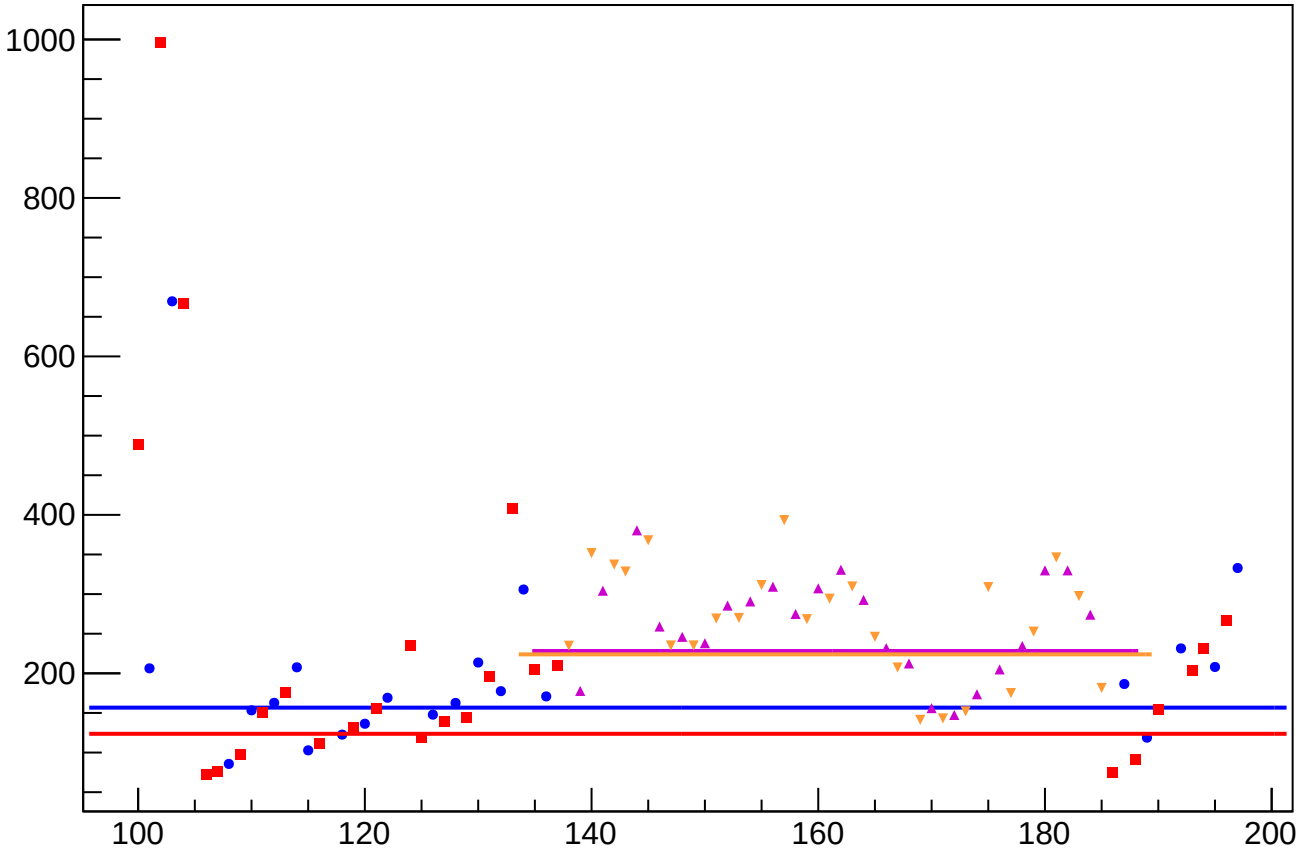
All: 0.000+/-0.000 χ^2/NDF: 122.3/93

- sign 0.000+/-0.000 χ^2/NDF: 51.4/47


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.008+/-0.000 χ²/NDF: 5226139.6/20
Left Out: 0.006+/-0.000 χ²/NDF:7769287.5/24
Right Out: 0.006+/-0.000 χ²/NDF: 6872559.6/24
Left In: 0.005+/-0.000 χ²/NDF:7460452.2/22
+ sign 0.006+/-0.000 χ²/NDF: 13758934.8/45
All: 0.006+/-0.000 χ²/NDF: 28500208.5/93
- sign 0.005+/-0.000 χ²/NDF: 14539926.7/47


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.081+/-0.053 χ²/NDF: 11.8/20
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.037+/-0.042 χ²/NDF: 26.9/24
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.030+/-0.038 χ²/NDF: 37.9/45
All: 0.009+/-0.025 χ²/NDF: 98.4/93
- sign -0.007+/-0.034 χ²/NDF: 60.0/47

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 156.704+/-0.037 χ^2/NDF: 2571382.0/20

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

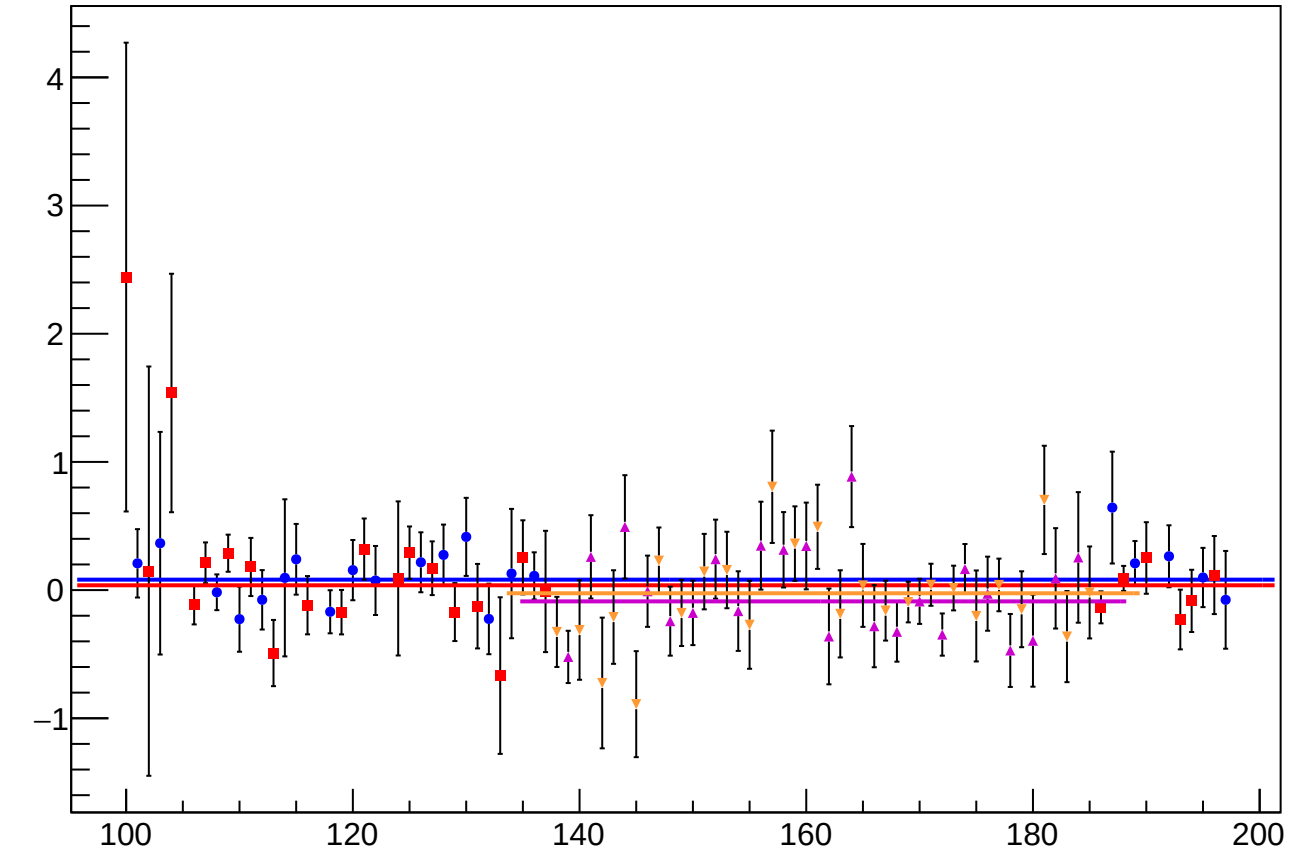
Right Out: 123.671+/-0.030 χ^2/NDF: 4479352.1/24

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.200+/-0.027 χ^2/NDF: 7577356.9/45

All: 173.446+/-0.018 χ^2/NDF: 19544683.3/93

- sign 160.933+/-0.024 χ^2/NDF: 11349123.4/47



Right In: 0.081+/-0.053 χ^2/NDF: 11.8/20

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

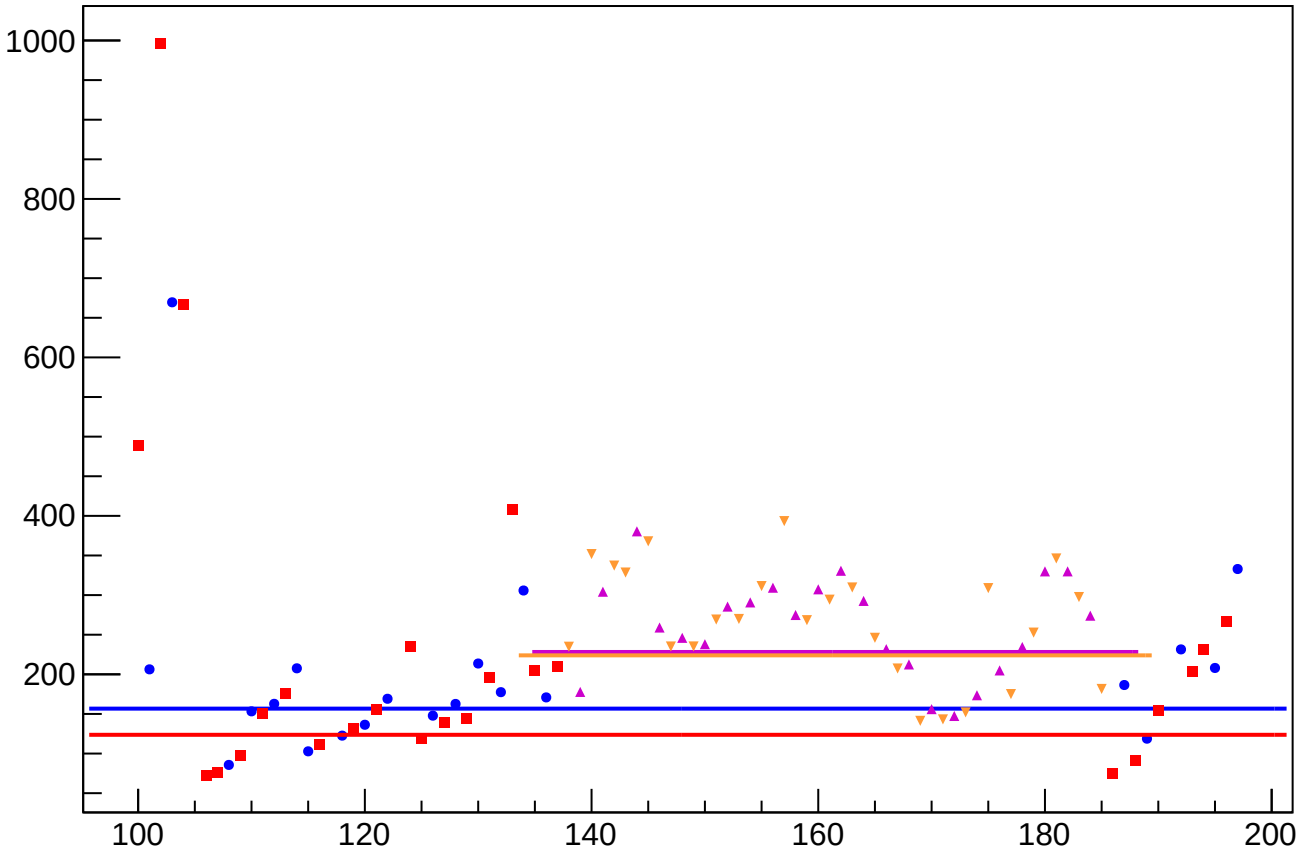
Right Out: 0.037+/-0.042 χ^2/NDF: 26.9/24

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.030+/-0.038 χ^2/NDF: 37.9/45

All: 0.009+/-0.025 χ^2/NDF: 98.4/93

- sign -0.007+/-0.034 χ^2/NDF: 60.0/47



Right In: 156.704+/-0.037 χ^2/NDF: 2571382.0/20

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

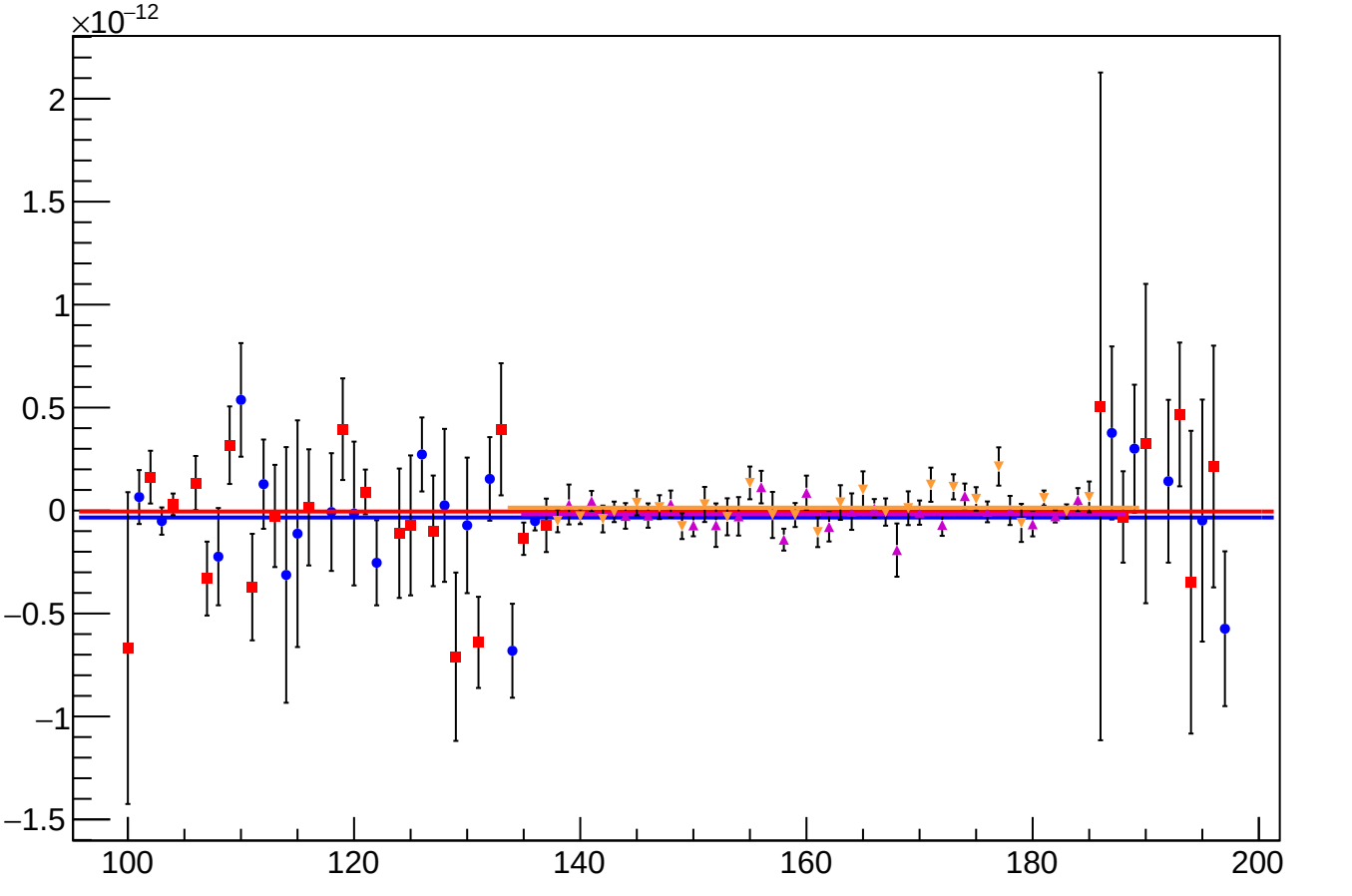
Right Out: 123.671+/-0.030 χ^2/NDF: 4479352.1/24

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.200+/-0.027 χ^2/NDF: 7577356.9/45

All: 173.446+/-0.018 χ^2/NDF: 19544683.3/93

- sign 160.933+/-0.024 χ^2/NDF: 11349123.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

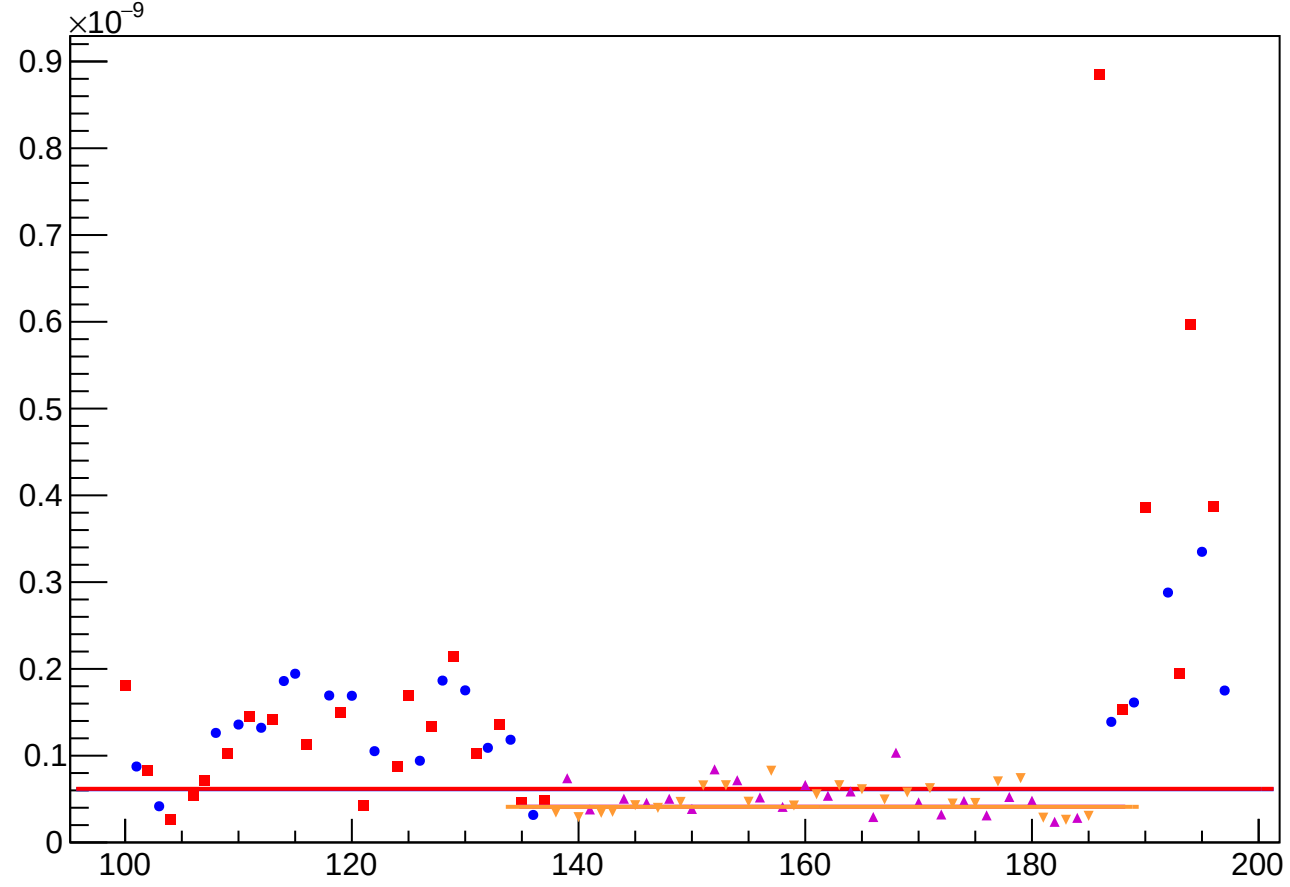
Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/24

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.2/45

All: -0.000+/-0.000 χ^2/NDF: 109.4/93

- sign -0.000+/-0.000 χ^2/NDF: 56.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 4704811.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5971347.0/24

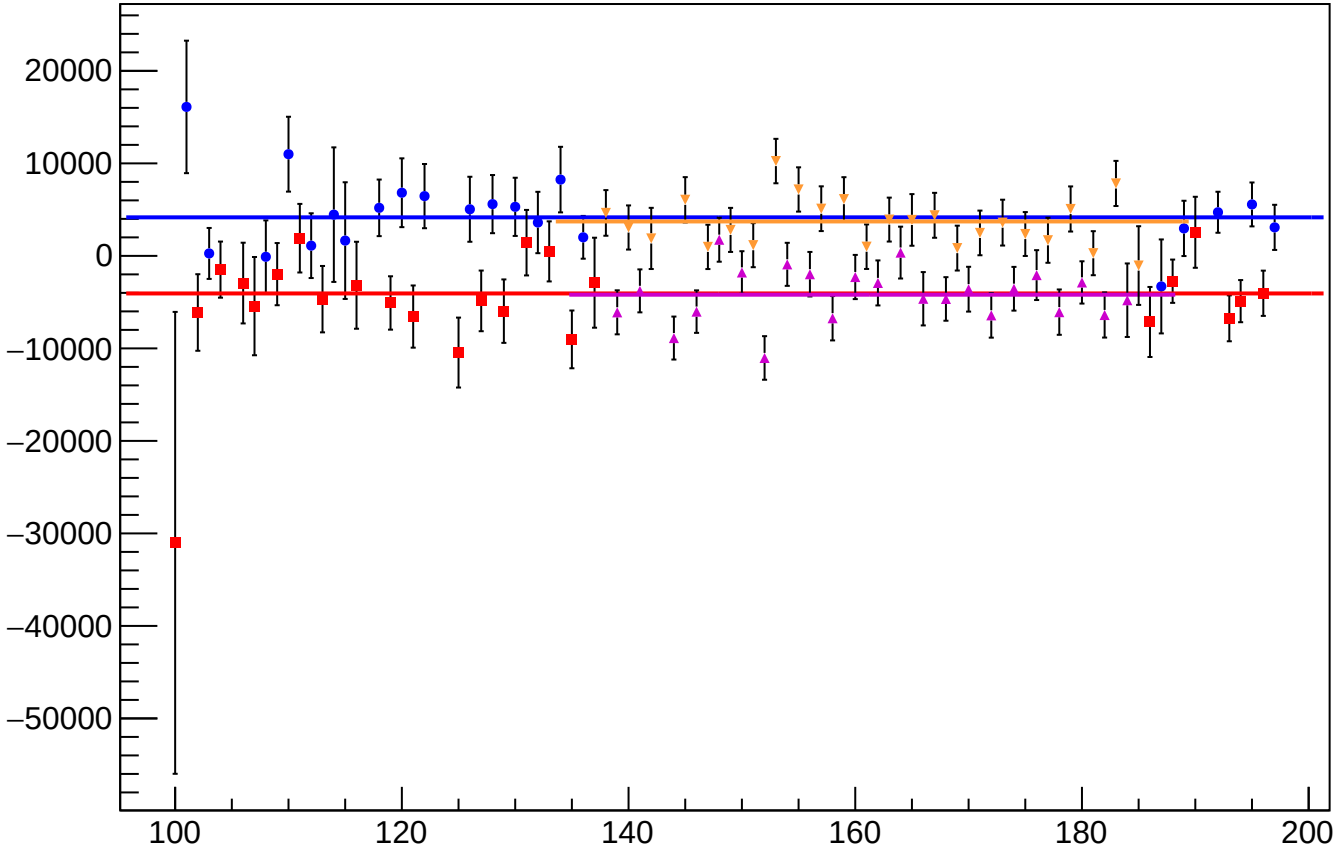
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8065866.1/45

All: 0.000+/-0.000 χ^2/NDF: 17633191.6/93

- sign 0.000+/-0.000 χ^2/NDF: 9566438.8/47

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4166.143+/-706.124 χ^2/NDF: 16.3/20

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -4061.174+/-680.427 χ^2/NDF: 21.4/23

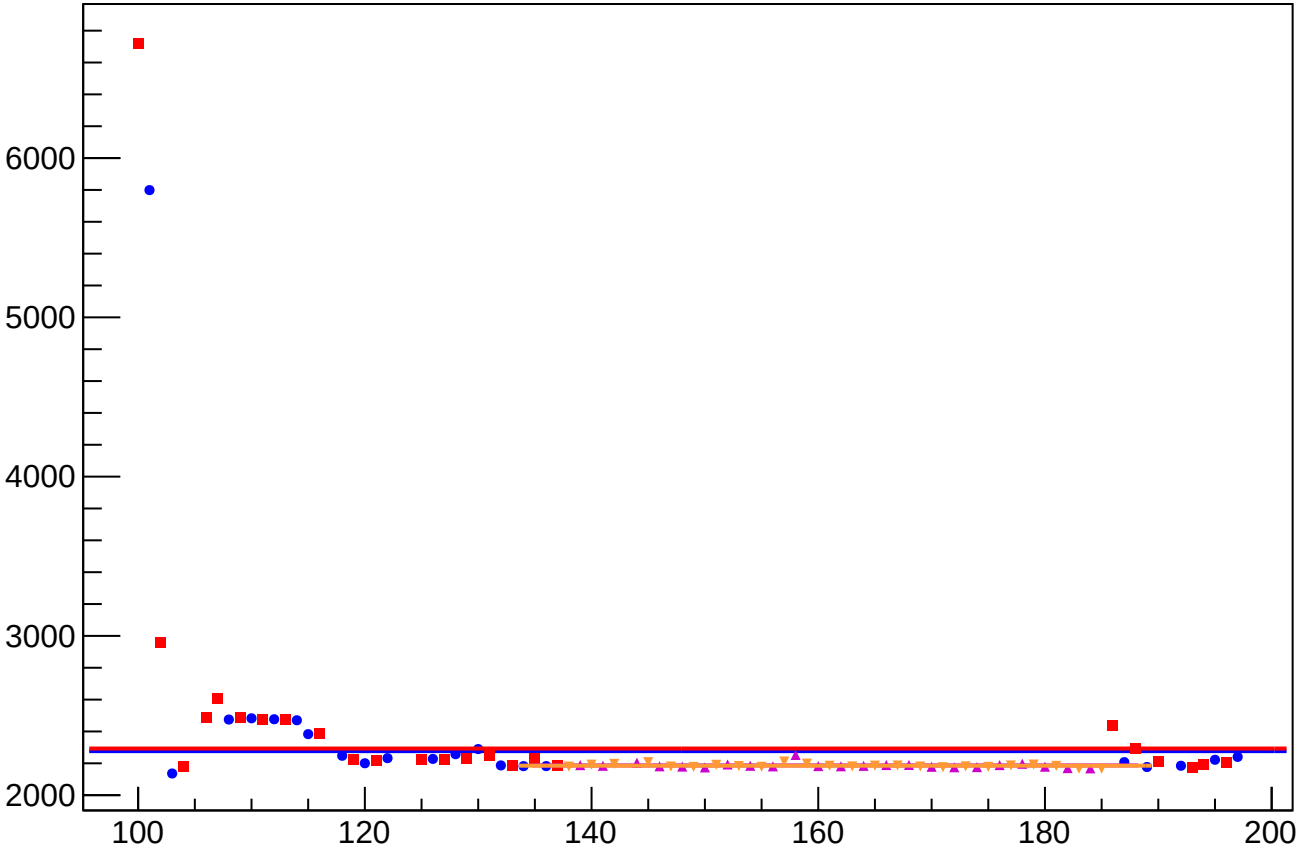
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3874.123+/-411.920 χ^2/NDF: 42.0/44

All: -171.176+/-290.015 χ^2/NDF: 286.8/91

- sign -4147.394+/-408.388 χ^2/NDF: 53.6/46

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2276.479+/-0.499 χ^2/NDF: 523442.5/20

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

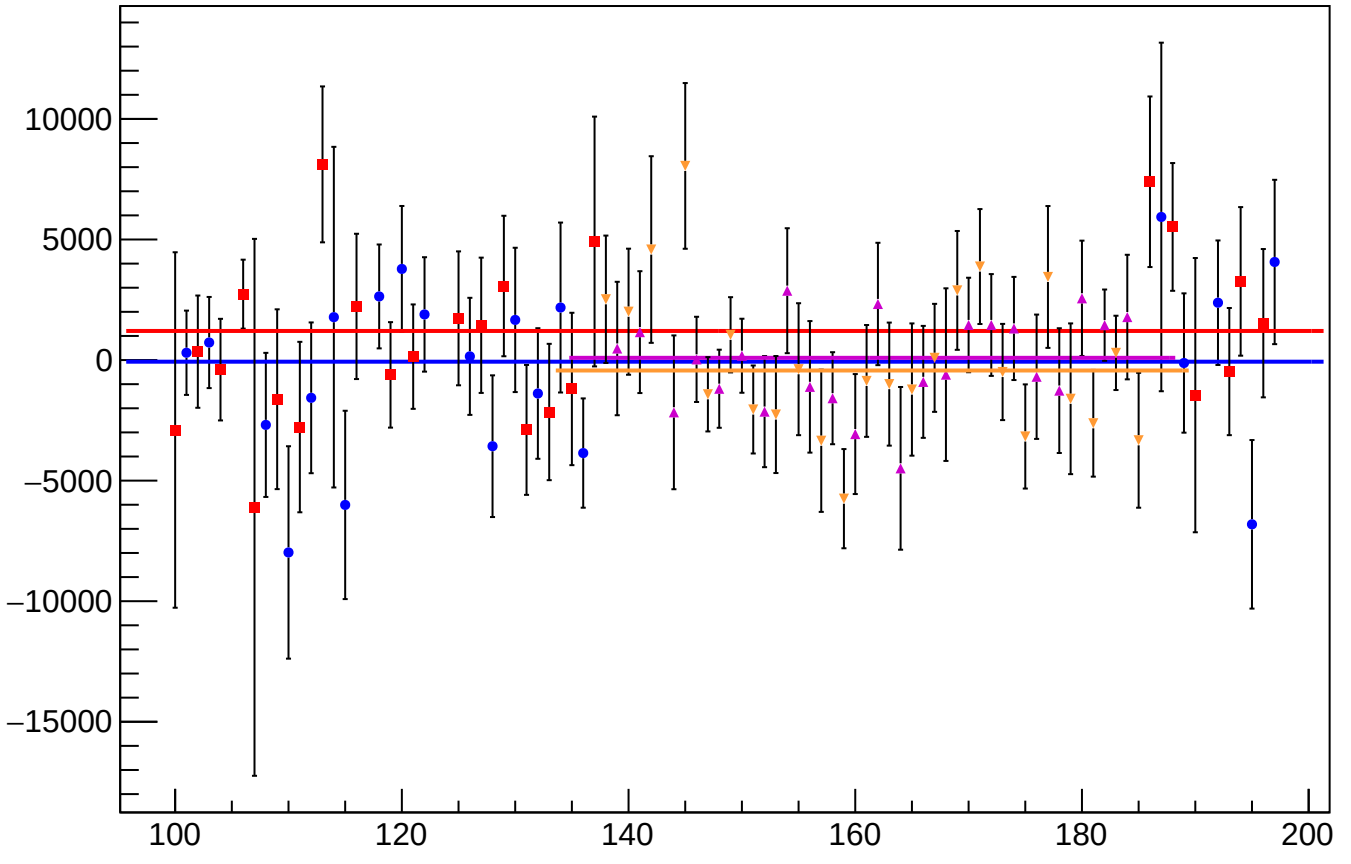
Right Out: 2292.877+/-0.481 χ^2/NDF: 169689.4/23

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2216.218+/-0.291 χ^2/NDF: 546337.3/44

All: 2220.636+/-0.205 χ^2/NDF: 749676.7/91

- sign 2224.978+/-0.289 χ^2/NDF: 202883.3/46



Right In: -67.594+/-601.462 χ^2/NDF: 23.2/20

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: 1206.710+/-568.969 χ^2/NDF: 22.1/23

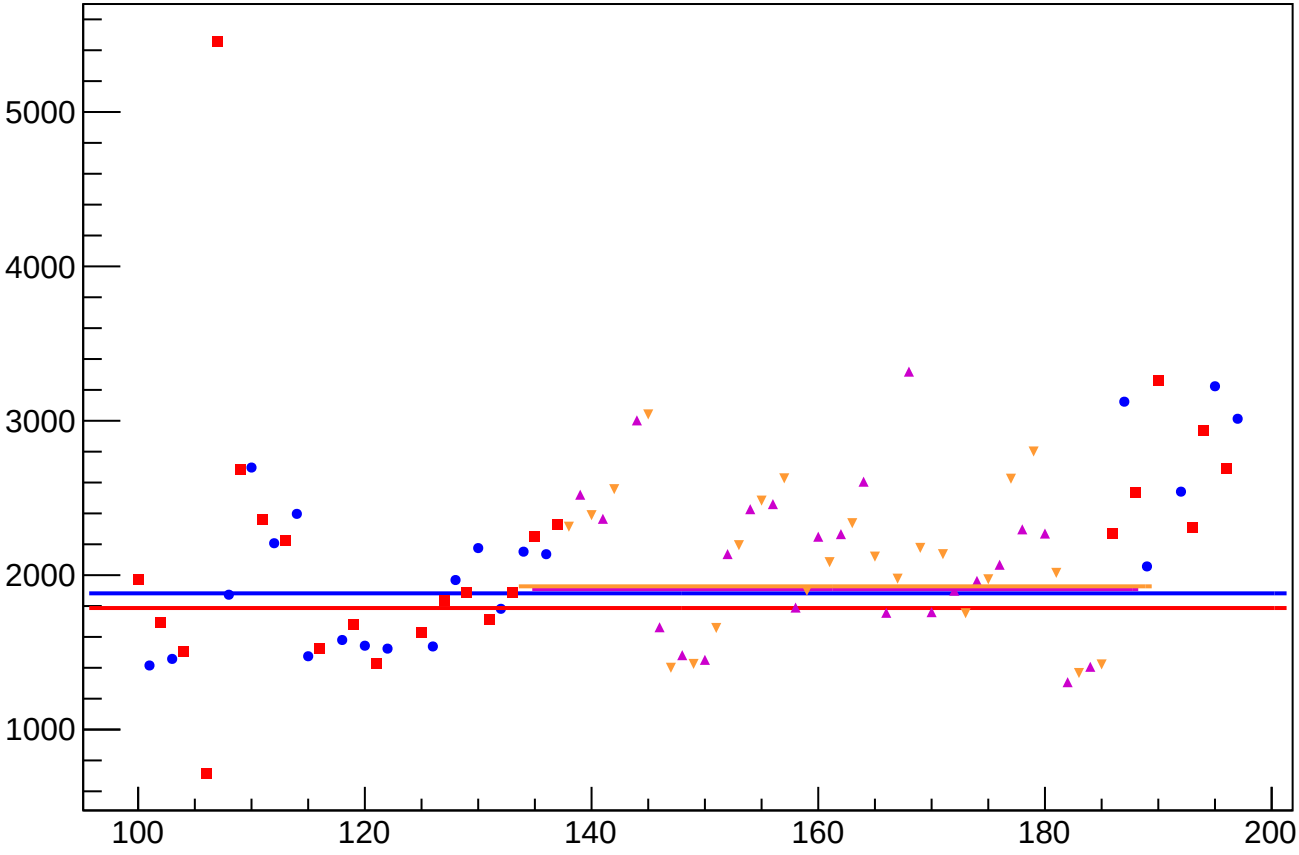
Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -296.816+/-366.579 χ^2/NDF: 54.8/44

All: 128.281+/-256.134 χ^2/NDF: 94.6/91

- sign 533.781+/-358.030 χ^2/NDF: 37.2/46

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug



Right In: 1882.261+/-0.425 χ^2/NDF: 1296759.6/20

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1787.138+/-0.402 χ^2/NDF: 2602581.0/23

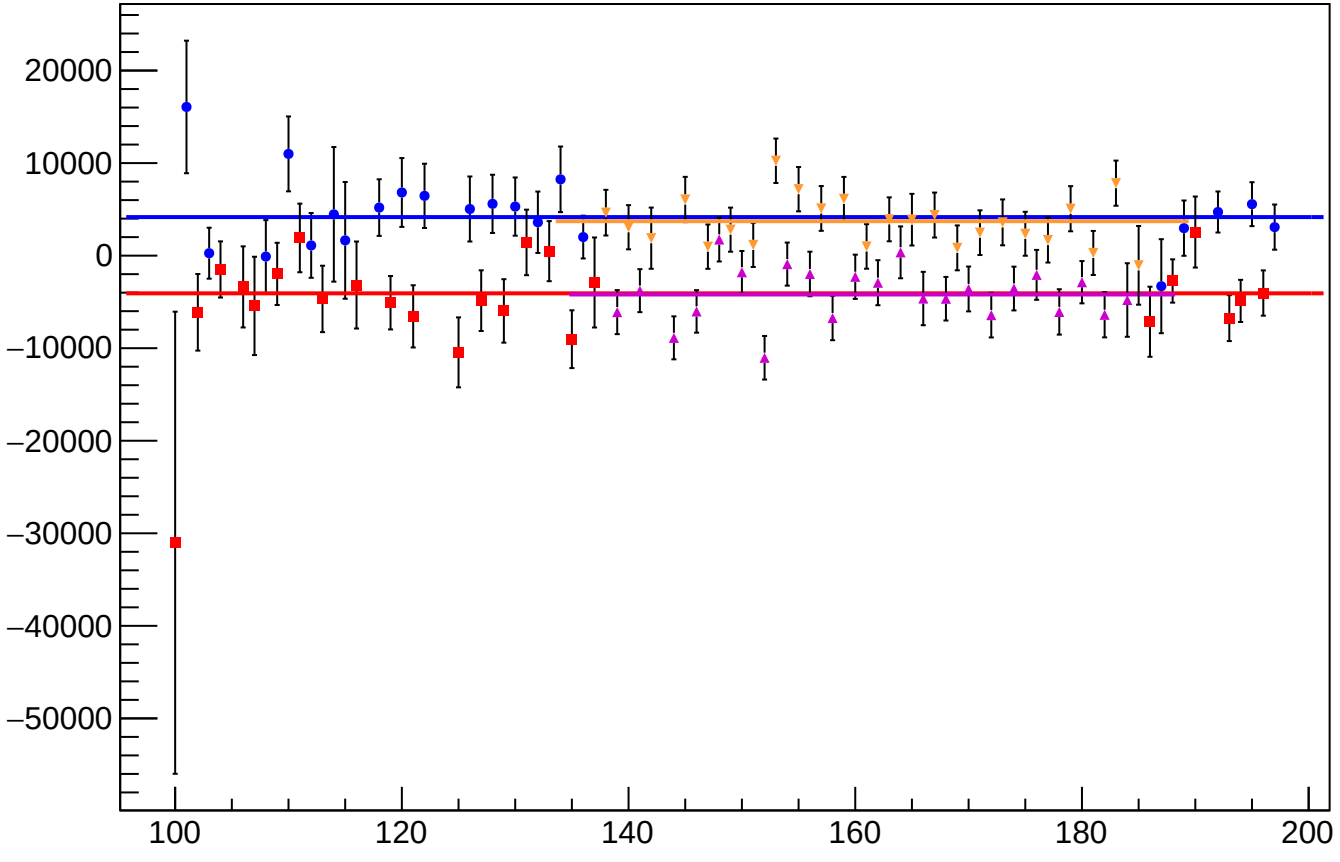
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1910.796+/-0.259 χ^2/NDF: 3102304.6/44

All: 1885.370+/-0.181 χ^2/NDF: 7721926.5/91

- sign 1861.116+/-0.253 χ^2/NDF: 4600822.0/46

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4165.744+/-706.124 χ^2/NDF: 16.3/20

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4072.261+/-680.498 χ^2/NDF: 21.4/23

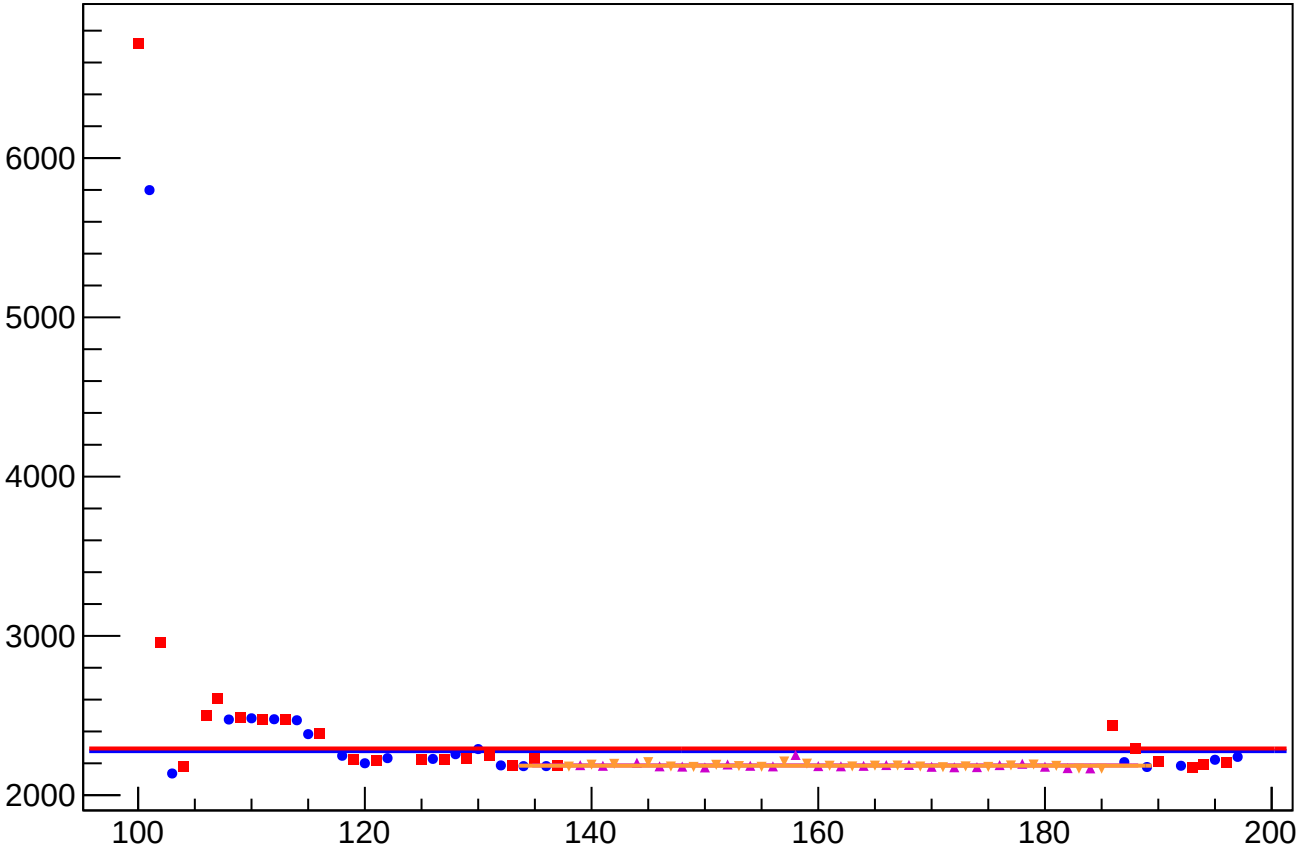
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3873.952+/-411.920 χ^2/NDF: 42.0/44

All: -173.164+/-290.020 χ^2/NDF: 287.0/91

- sign -4151.470+/-408.404 χ^2/NDF: 53.5/46

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2276.479+/-0.499 χ^2/NDF: 523443.0/20

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

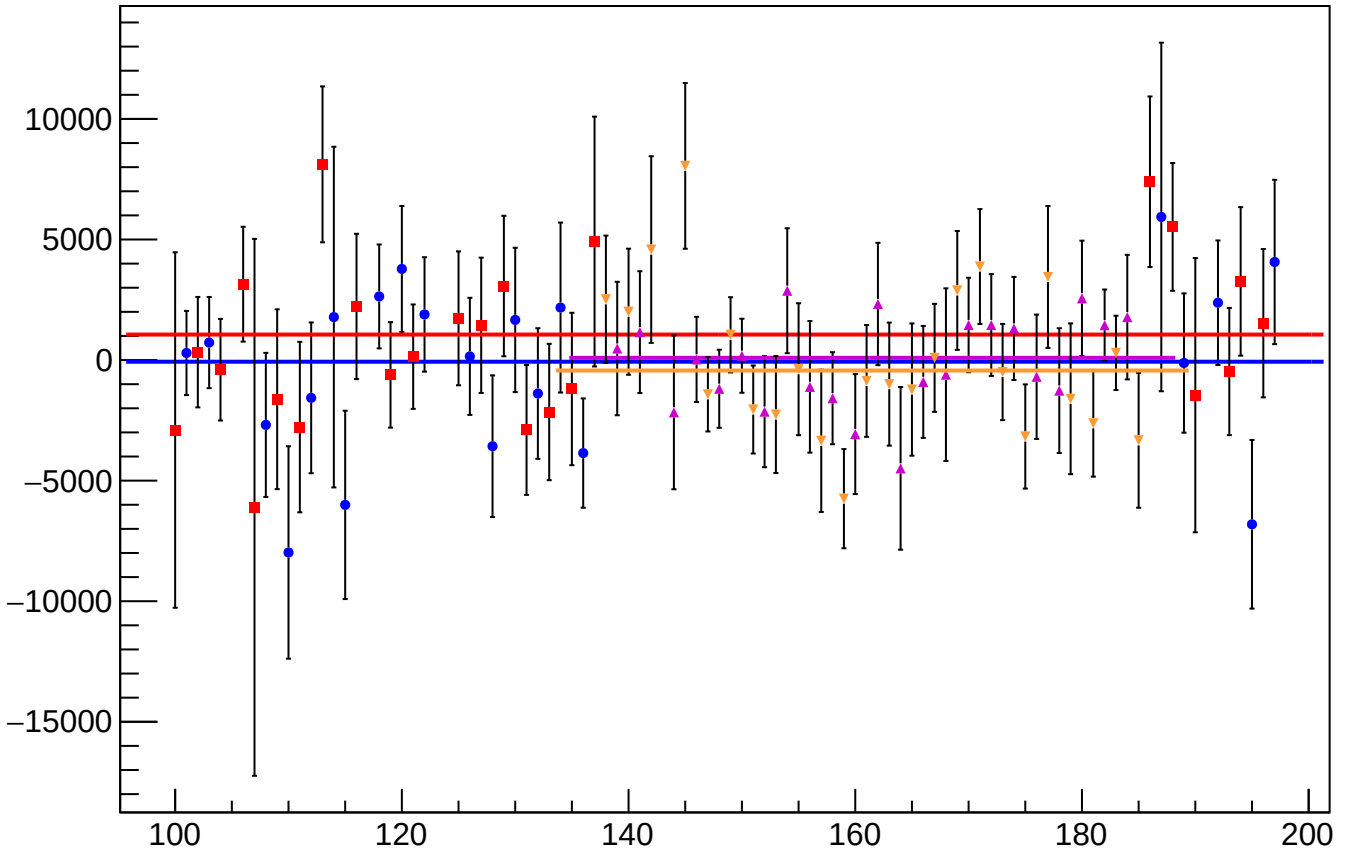
Right Out: 2293.094+/-0.481 χ^2/NDF: 170106.9/23

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2216.218+/-0.291 χ^2/NDF: 546337.7/44

All: 2220.672+/-0.205 χ^2/NDF: 750225.7/91

- sign 2225.051+/-0.289 χ^2/NDF: 203424.3/46



Right In: -68.498+/-601.364 χ^2/NDF: 23.2/20

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

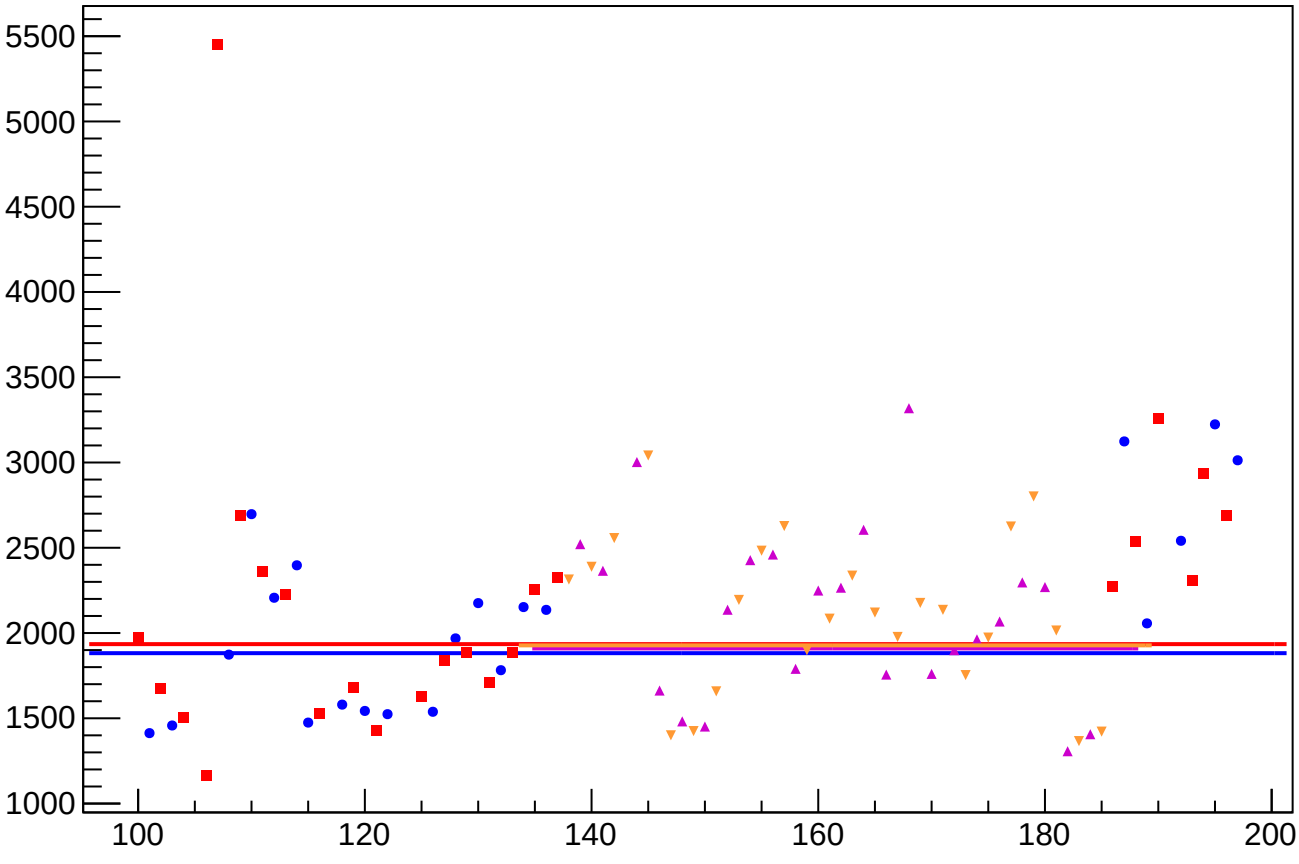
Right Out: 1057.577+/-599.515 χ^2/NDF: 21.6/23

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -297.146+/-366.556 χ^2/NDF: 54.8/44

All: 78.151+/-258.743 χ^2/NDF: 92.9/91

- sign 450.846+/-365.284 χ^2/NDF: 36.0/46



Right In: 1881.887+/-0.425 χ^2/NDF: 1298333.6/20

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

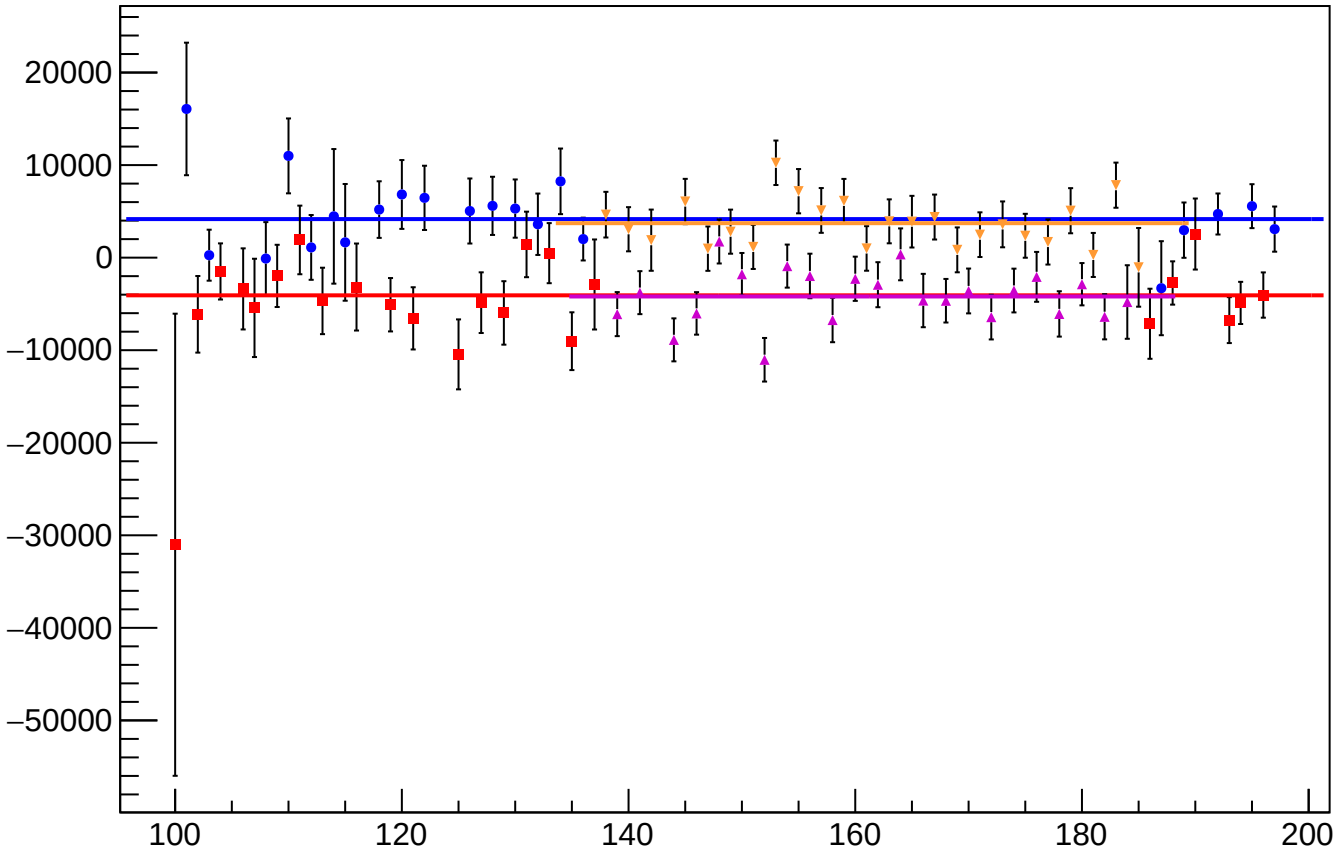
Right Out: 1934.913+/-0.424 χ^2/NDF: 1493150.6/23

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1910.653+/-0.259 χ^2/NDF: 3104022.4/44

All: 1914.845+/-0.183 χ^2/NDF: 6542219.9/91

- sign 1919.009+/-0.258 χ^2/NDF: 3437676.0/46



Right In: 4165.744+/-706.124 χ^2/NDF: 16.3/20

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

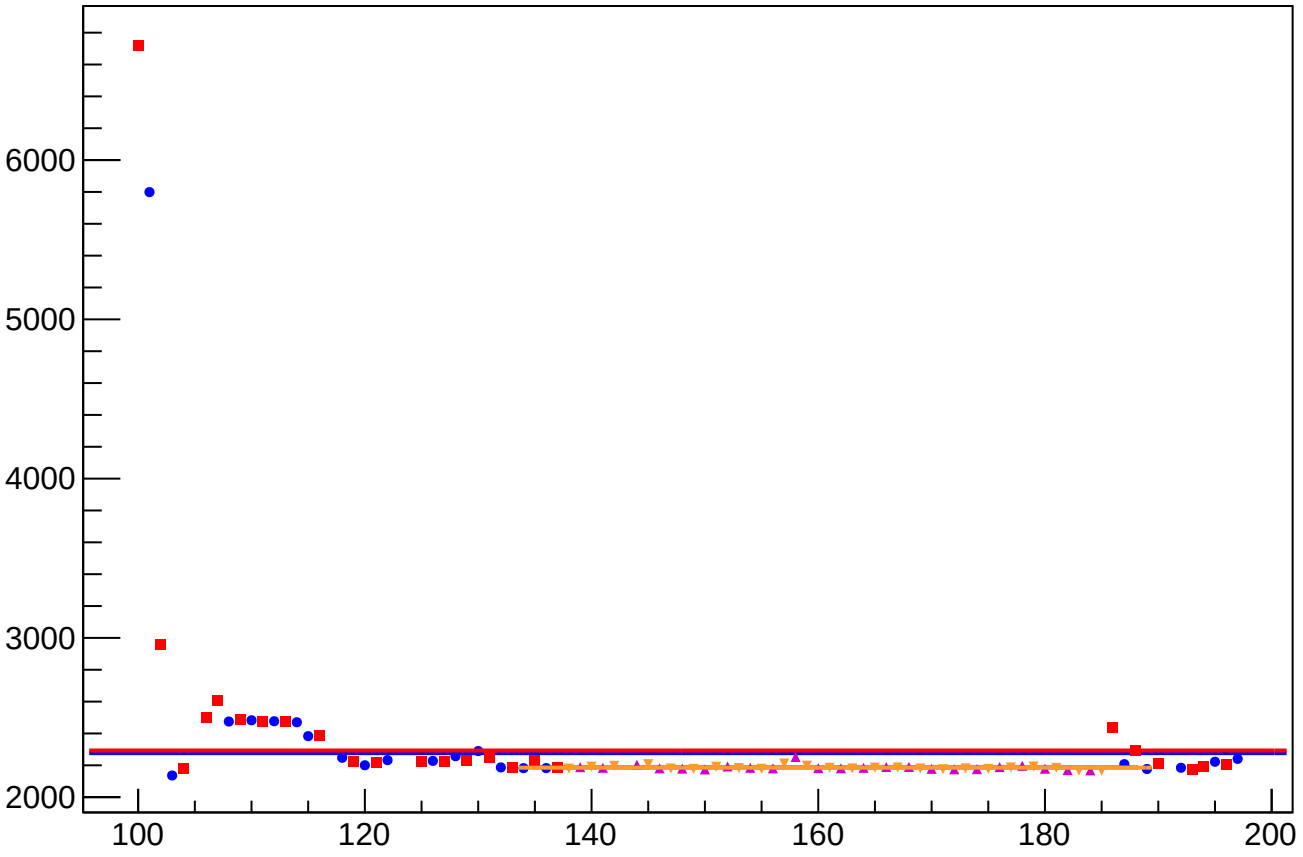
Right Out: -4072.261+/-680.498 χ^2/NDF: 21.4/23

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3873.952+/-411.920 χ^2/NDF: 42.0/44

All: -173.164+/-290.020 χ^2/NDF: 287.0/91

- sign -4151.470+/-408.404 χ^2/NDF: 53.5/46



Right In: 2276.479+/-0.499 χ^2/NDF: 523443.0/20

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

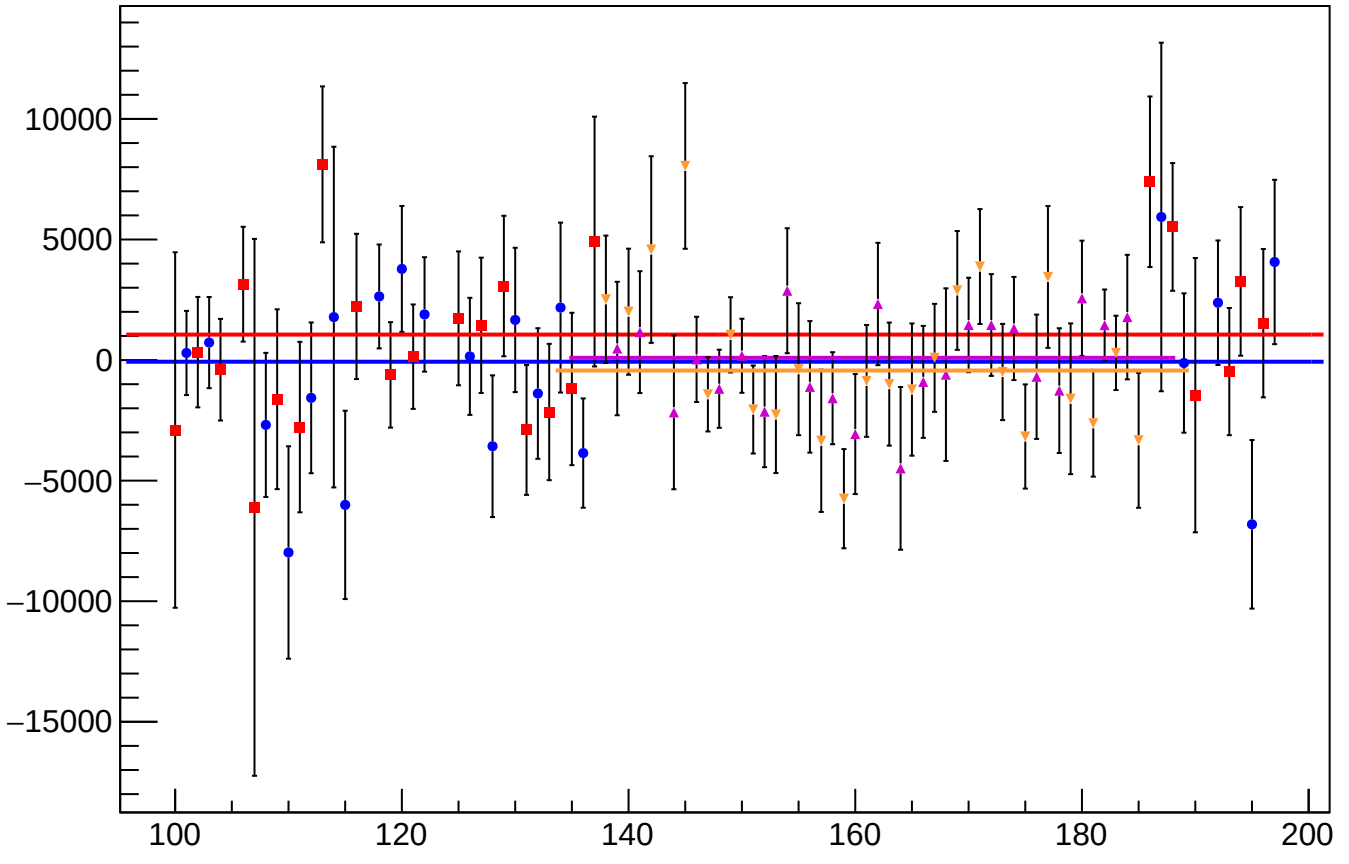
Right Out: 2293.094+/-0.481 χ^2/NDF: 170106.9/23

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2216.218+/-0.291 χ^2/NDF: 546337.7/44

All: 2220.672+/-0.205 χ^2/NDF: 750225.7/91

- sign 2225.051+/-0.289 χ^2/NDF: 203424.3/46



Right In: -68.498+/-601.364 χ^2/NDF: 23.2/20

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

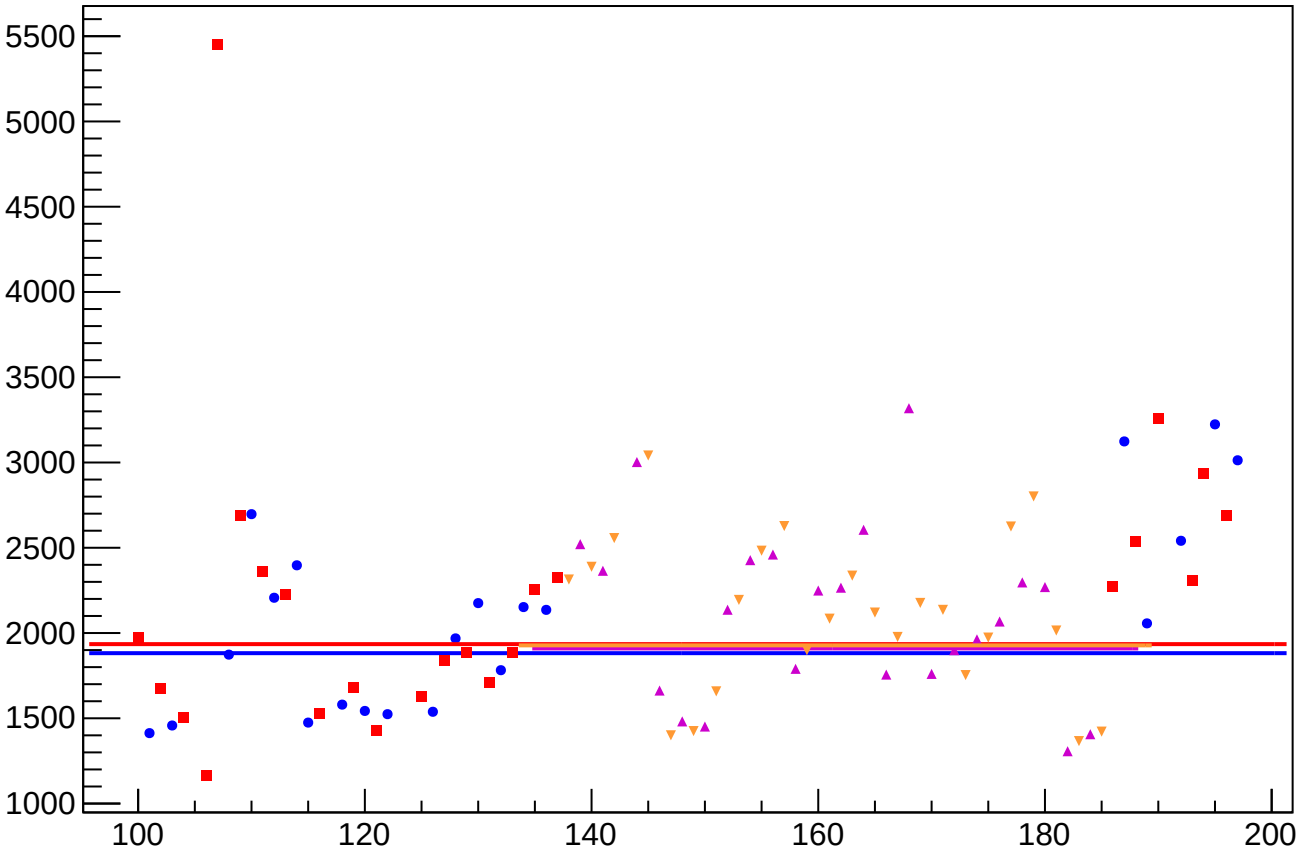
Right Out: 1057.577+/-599.515 χ^2/NDF: 21.6/23

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -297.146+/-366.556 χ^2/NDF: 54.8/44

All: 78.151+/-258.743 χ^2/NDF: 92.9/91

- sign 450.846+/-365.284 χ^2/NDF: 36.0/46



Right In: 1881.887+/-0.425 χ^2/NDF: 1298333.6/20

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1934.913+/-0.424 χ^2/NDF: 1493150.6/23

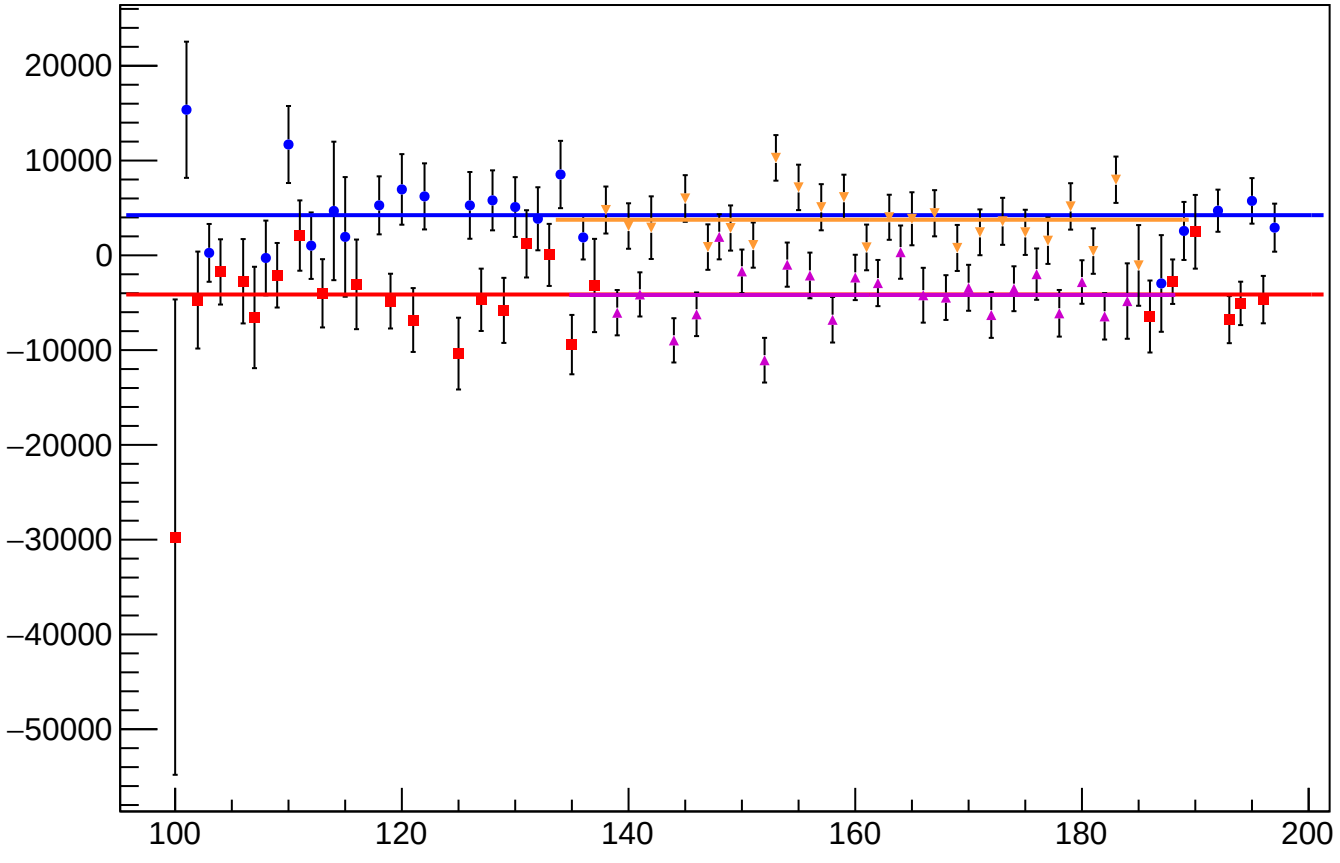
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1910.653+/-0.259 χ^2/NDF: 3104022.4/44

All: 1914.845+/-0.183 χ^2/NDF: 6542219.9/91

- sign 1919.009+/-0.258 χ^2/NDF: 3437676.0/46

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4237.847+/-716.125 χ^2/NDF: 16.6/20

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4132.701+/-691.607 χ^2/NDF: 20.5/23

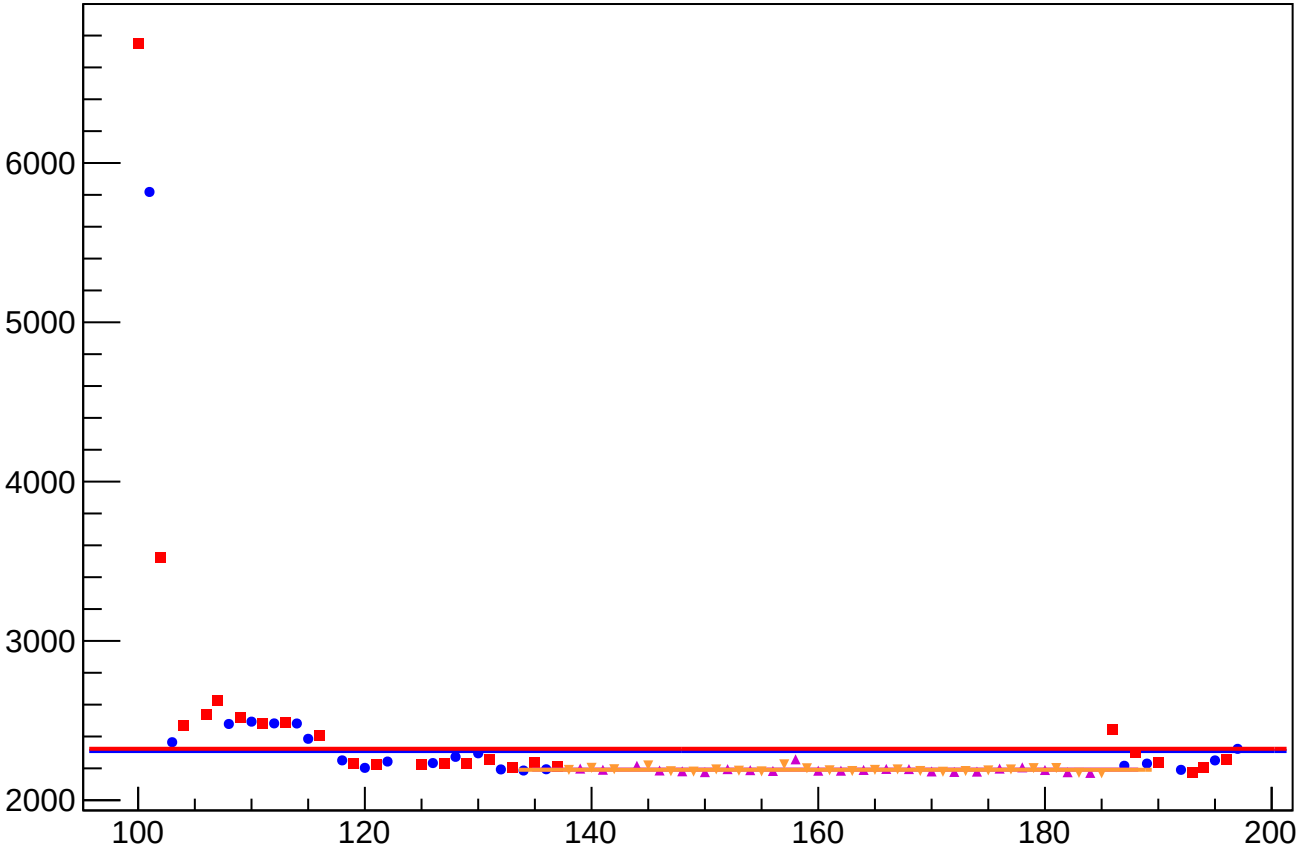
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3916.256+/-414.645 χ^2/NDF: 42.6/44

All: -156.263+/-292.057 χ^2/NDF: 287.2/91

- sign -4165.983+/-411.436 χ^2/NDF: 53.1/46

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2308.541+/-0.506 χ^2/NDF: 514725.4/20

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

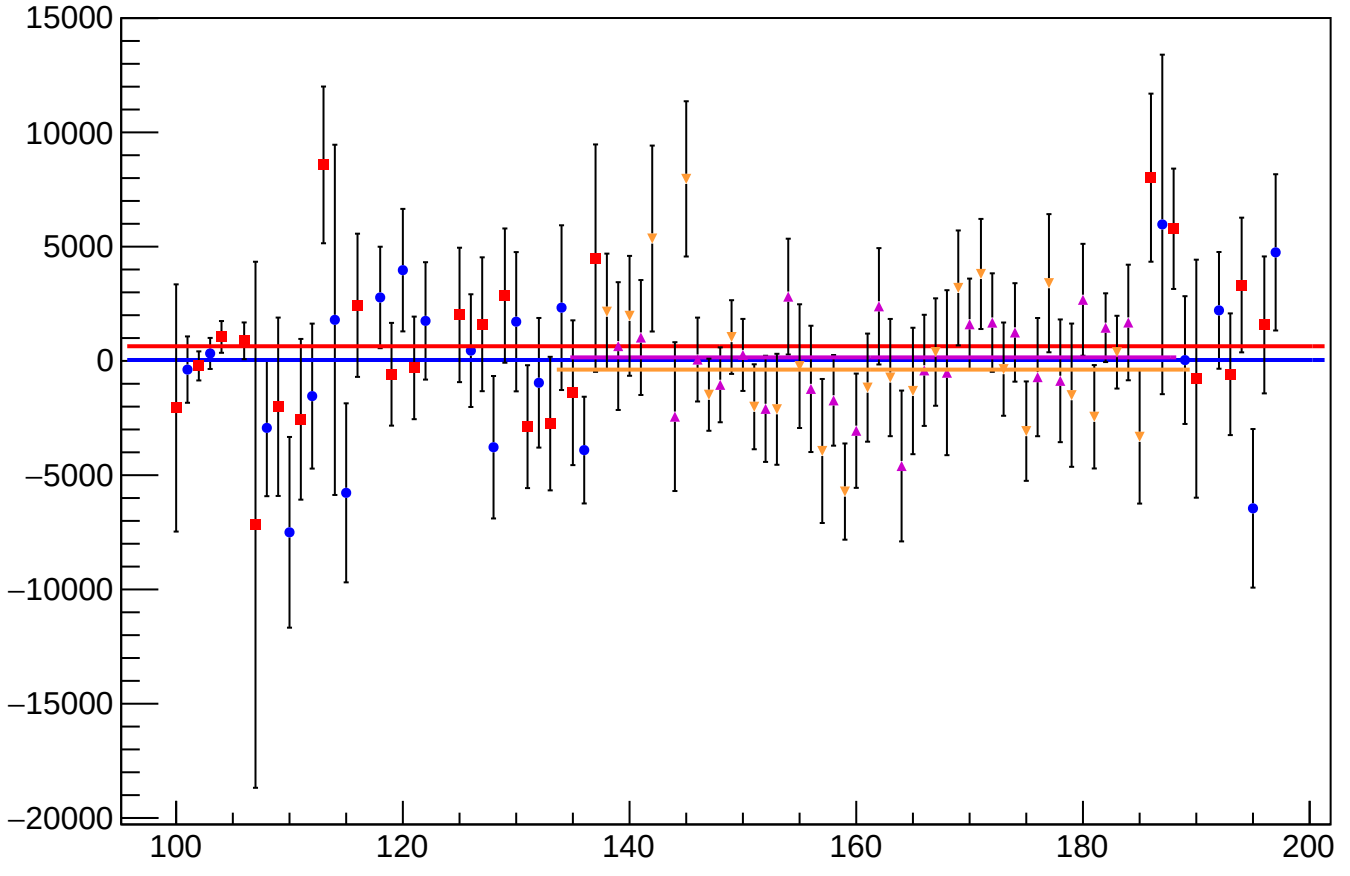
Right Out: 2322.953+/-0.489 χ^2/NDF: 232604.7/23

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2230.504+/-0.293 χ^2/NDF: 551681.7/44

All: 2234.520+/-0.207 χ^2/NDF: 833126.5/91

- sign 2238.475+/-0.291 χ^2/NDF: 281072.3/46



Right In: 40.215+/-460.604 χ^2/NDF: 23.1/20

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: 642.017+/-348.585 χ^2/NDF: 24.4/23

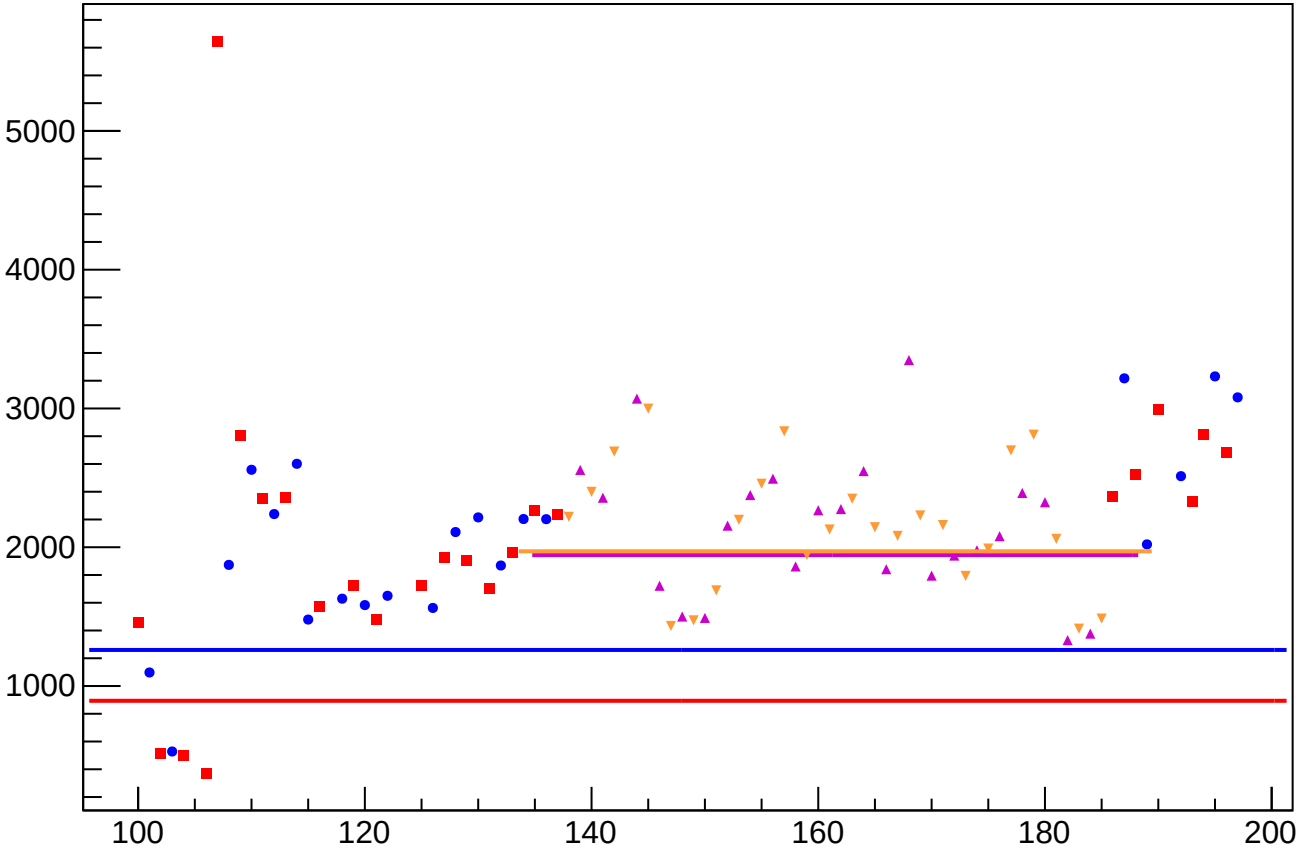
Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -165.227+/-329.474 χ^2/NDF: 54.3/44

All: 202.975+/-213.165 χ^2/NDF: 94.3/91

- sign 468.063+/-279.559 χ^2/NDF: 37.9/46

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1259.892+/-0.326 χ^2/NDF: 5922185.8/20

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

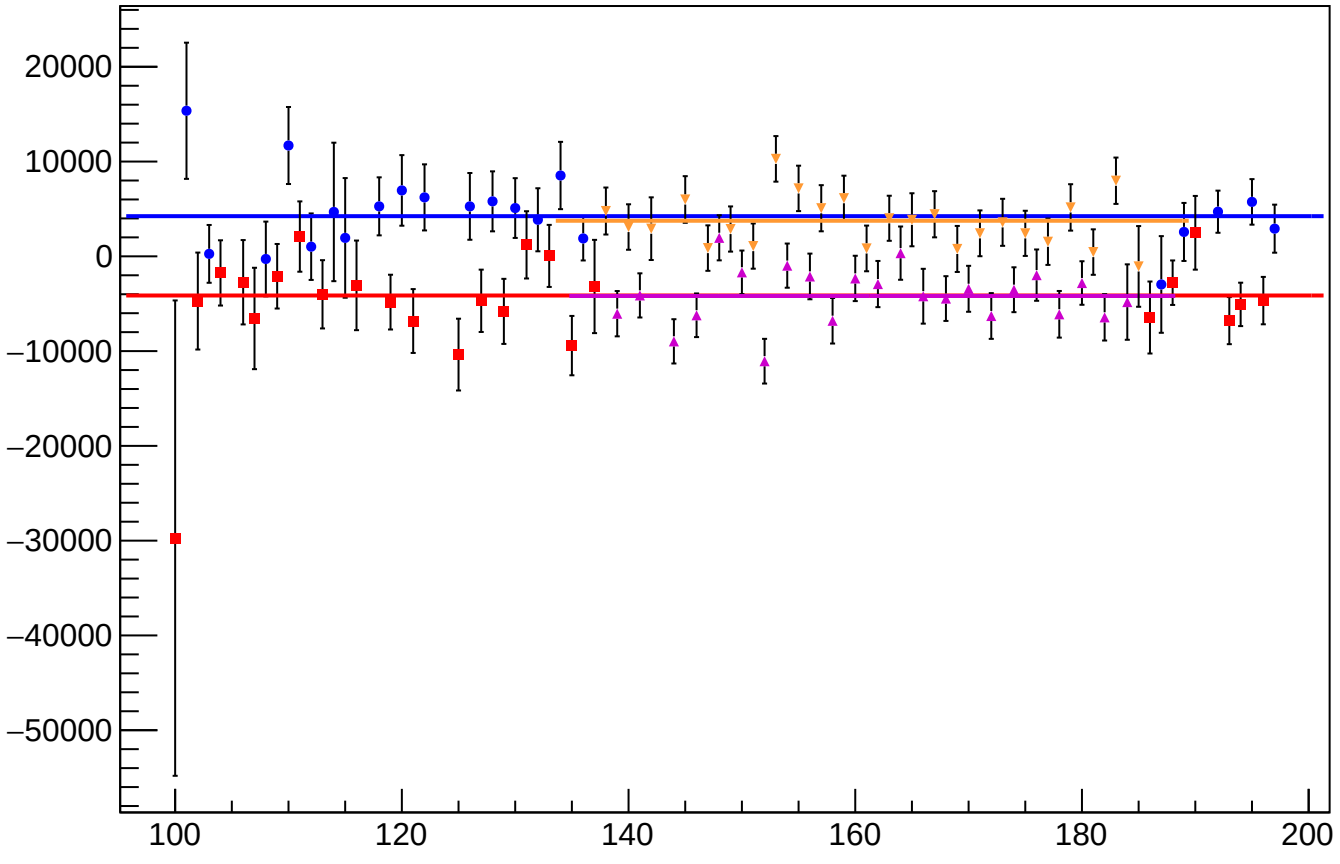
Right Out: 893.533+/-0.246 χ^2/NDF: 9436220.3/23

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1606.980+/-0.233 χ^2/NDF: 9944474.9/44

All: 1410.030+/-0.151 χ^2/NDF: 28969085.9/9

- sign 1268.234+/-0.198 χ^2/NDF: 17795421.6/46



Right In: 4237.843+/-716.125 χ^2/NDF: 16.6/20

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4132.696+/-691.606 χ^2/NDF: 20.5/23

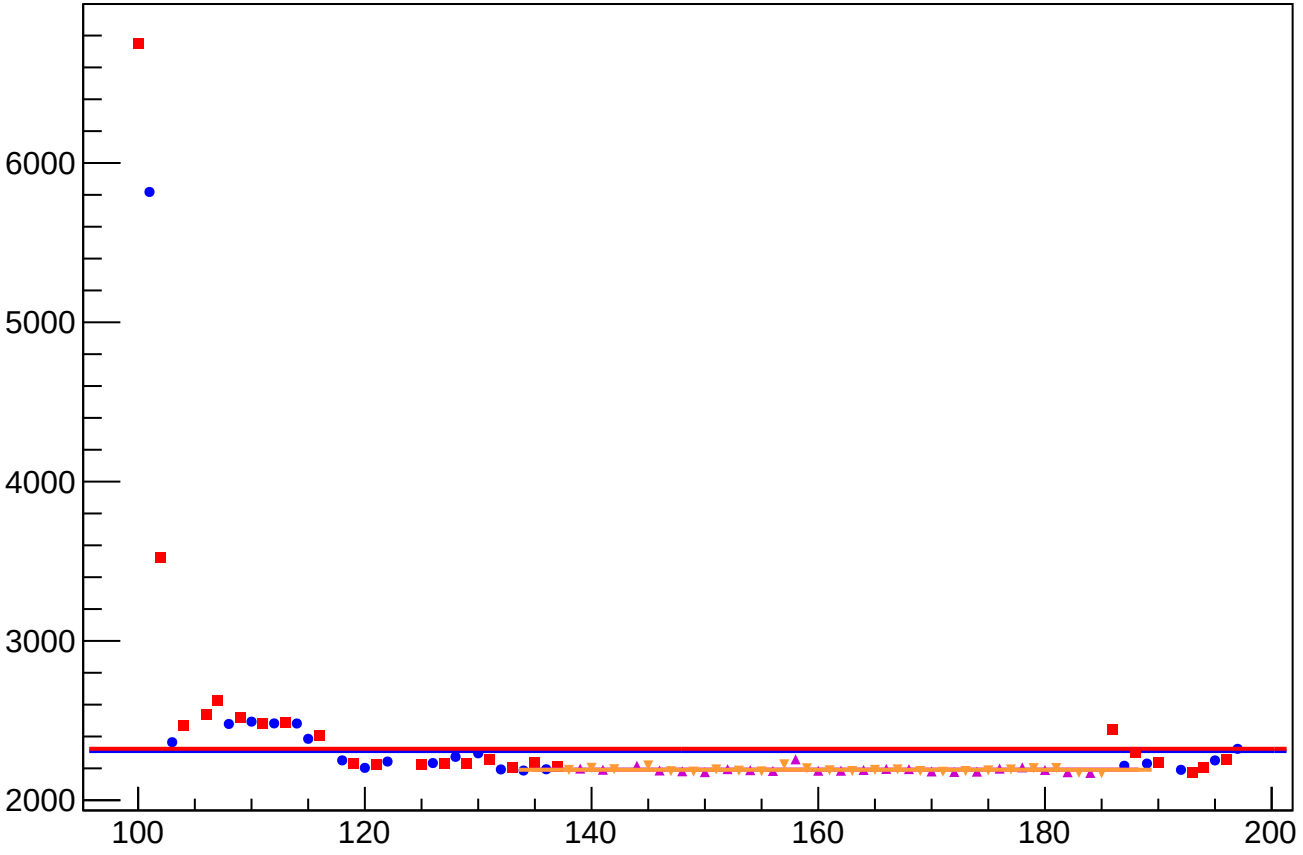
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3916.253+/-414.645 χ^2/NDF: 42.6/44

All: -156.263+/-292.057 χ^2/NDF: 287.2/91

- sign -4165.982+/-411.436 χ^2/NDF: 53.1/46

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2308.541+/-0.506 χ^2/NDF: 514725.4/20

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

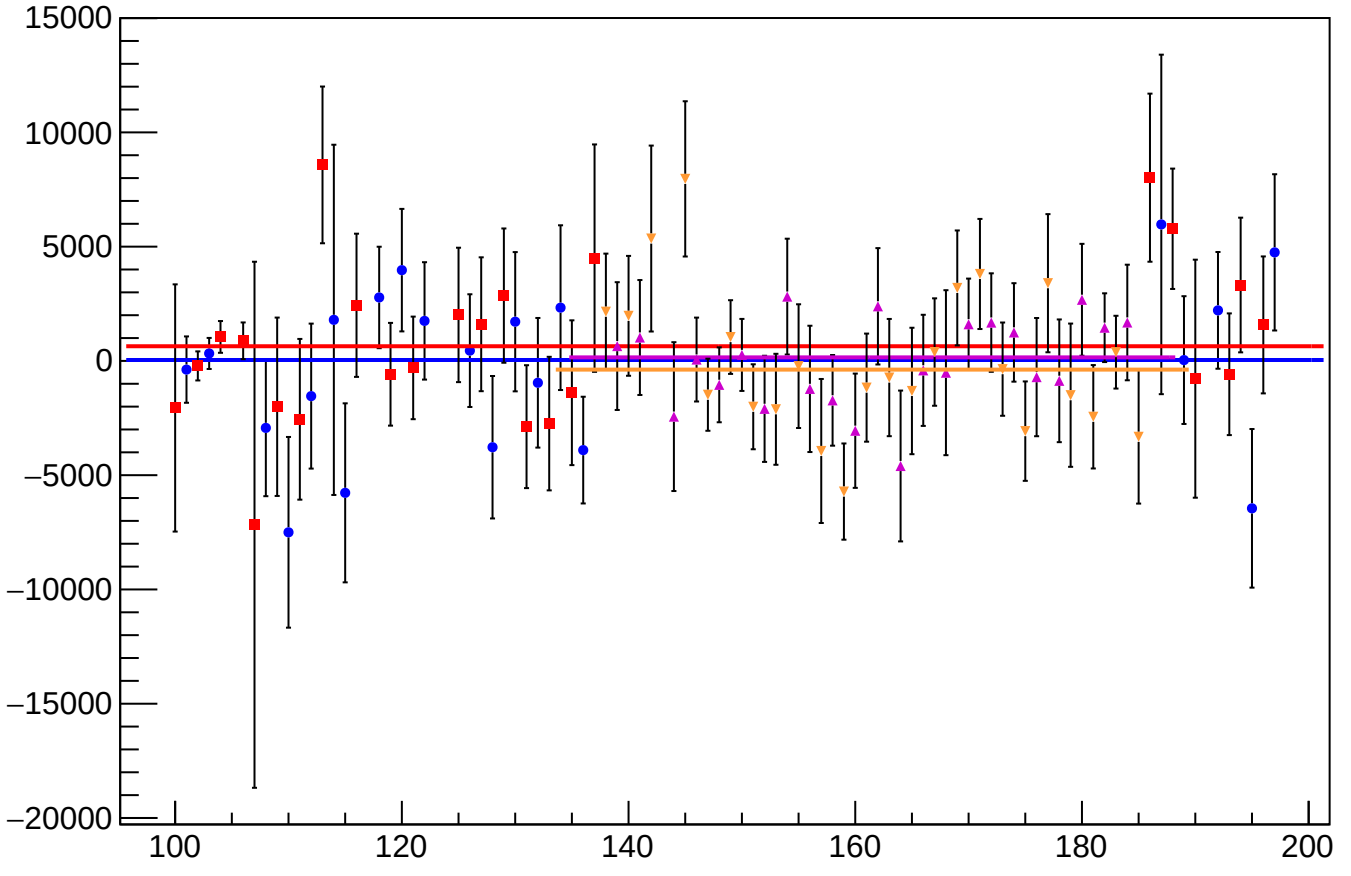
Right Out: 2322.953+/-0.489 χ^2/NDF: 232603.5/23

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2230.504+/-0.293 χ^2/NDF: 551681.5/44

All: 2234.520+/-0.207 χ^2/NDF: 833124.9/91

- sign 2238.475+/-0.291 χ^2/NDF: 281070.9/46



Right In: 40.210+/-460.606 χ^2/NDF: 23.1/20

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

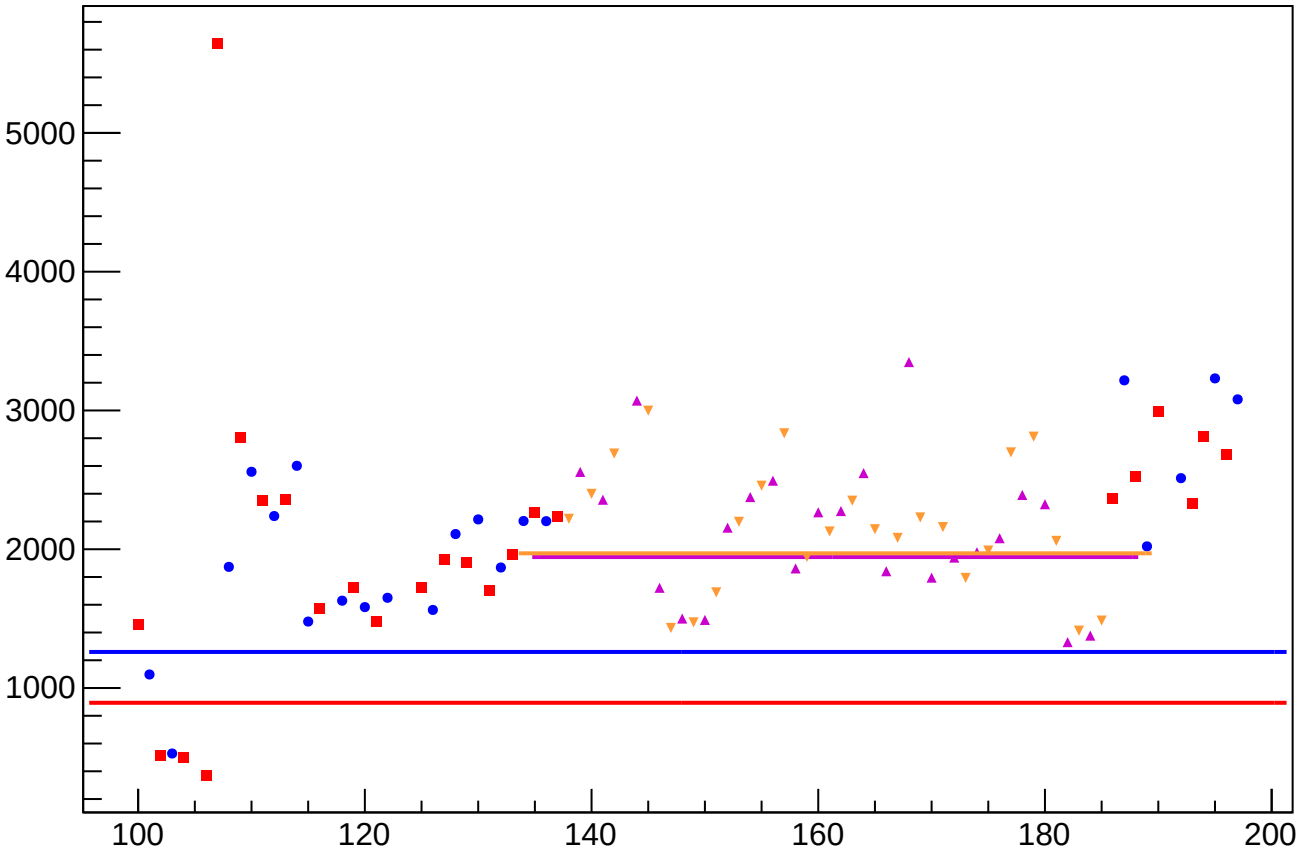
Right Out: 642.025+/-348.590 χ^2/NDF: 24.4/23

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -165.233+/-329.475 χ^2/NDF: 54.3/44

All: 202.972+/-213.166 χ^2/NDF: 94.3/91

- sign 468.065+/-279.561 χ^2/NDF: 37.9/46



Right In: 1259.902+/-0.326 χ^2/NDF: 5922085.9/20

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 893.551+/-0.246 χ^2/NDF: 9436035.8/23

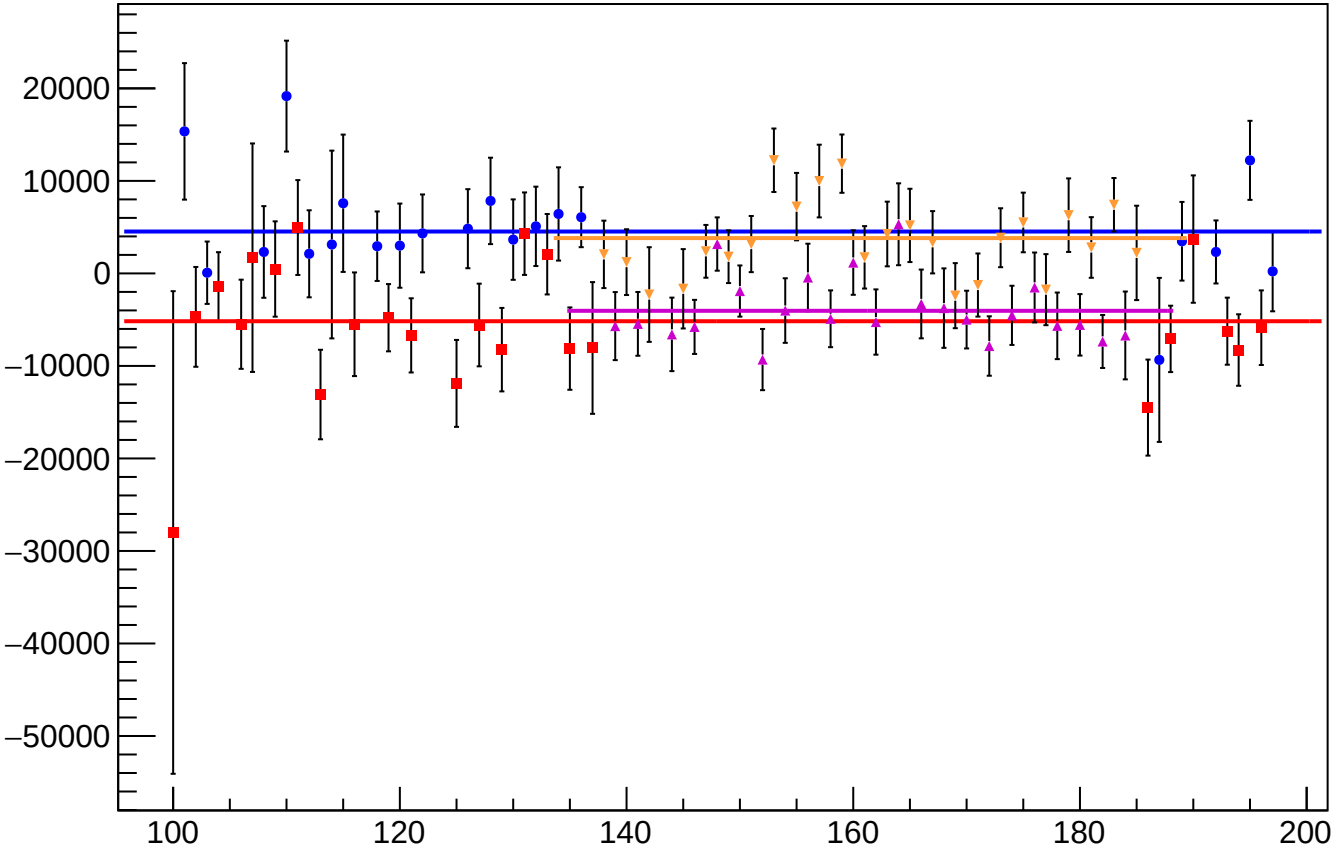
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1606.988+/-0.233 χ^2/NDF: 9944315.4/44

All: 1410.044+/-0.151 χ^2/NDF: 28968420.3/9

- sign 1268.252+/-0.198 χ^2/NDF: 17794995.9/46

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4527.784+/-985.959 χ^2/NDF: 18.9/20

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5168.424+/-951.775 χ^2/NDF: 26.4/23

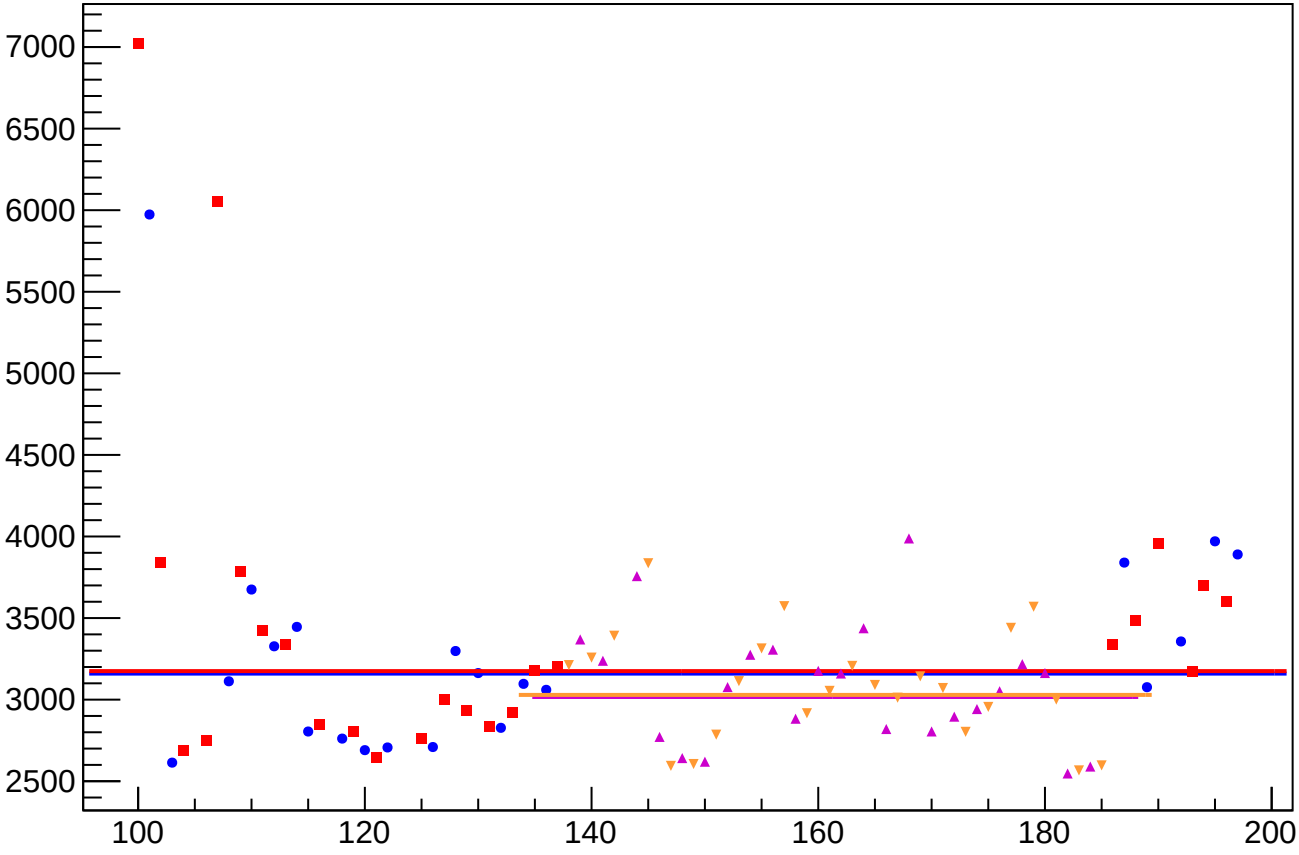
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4059.511+/-575.256 χ^2/NDF: 50.1/44

All: -239.994+/-404.493 χ^2/NDF: 210.4/91

- sign -4444.683+/-568.878 χ^2/NDF: 49.8/46

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3159.657+/-0.697 χ^2/NDF: 620803.7/20

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

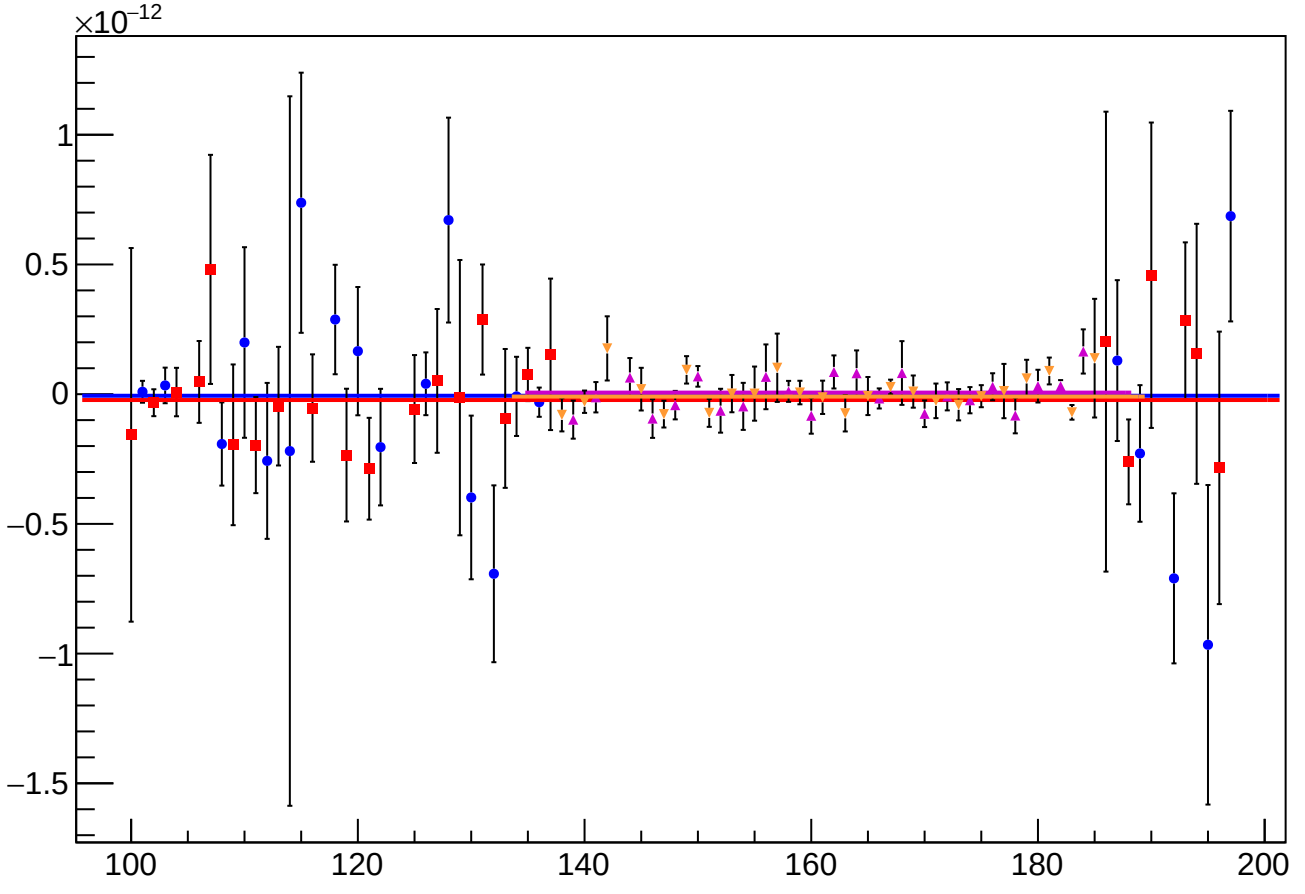
Right Out: 3174.880+/-0.673 χ^2/NDF: 474555.3/23

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

\+ sign 3073.466+/-0.407 χ^2/NDF: 1041086.6/44

All: 3073.191+/-0.286 χ^2/NDF: 1991249.0/91

\- sign 3072.922+/-0.402 χ^2/NDF: 950161.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

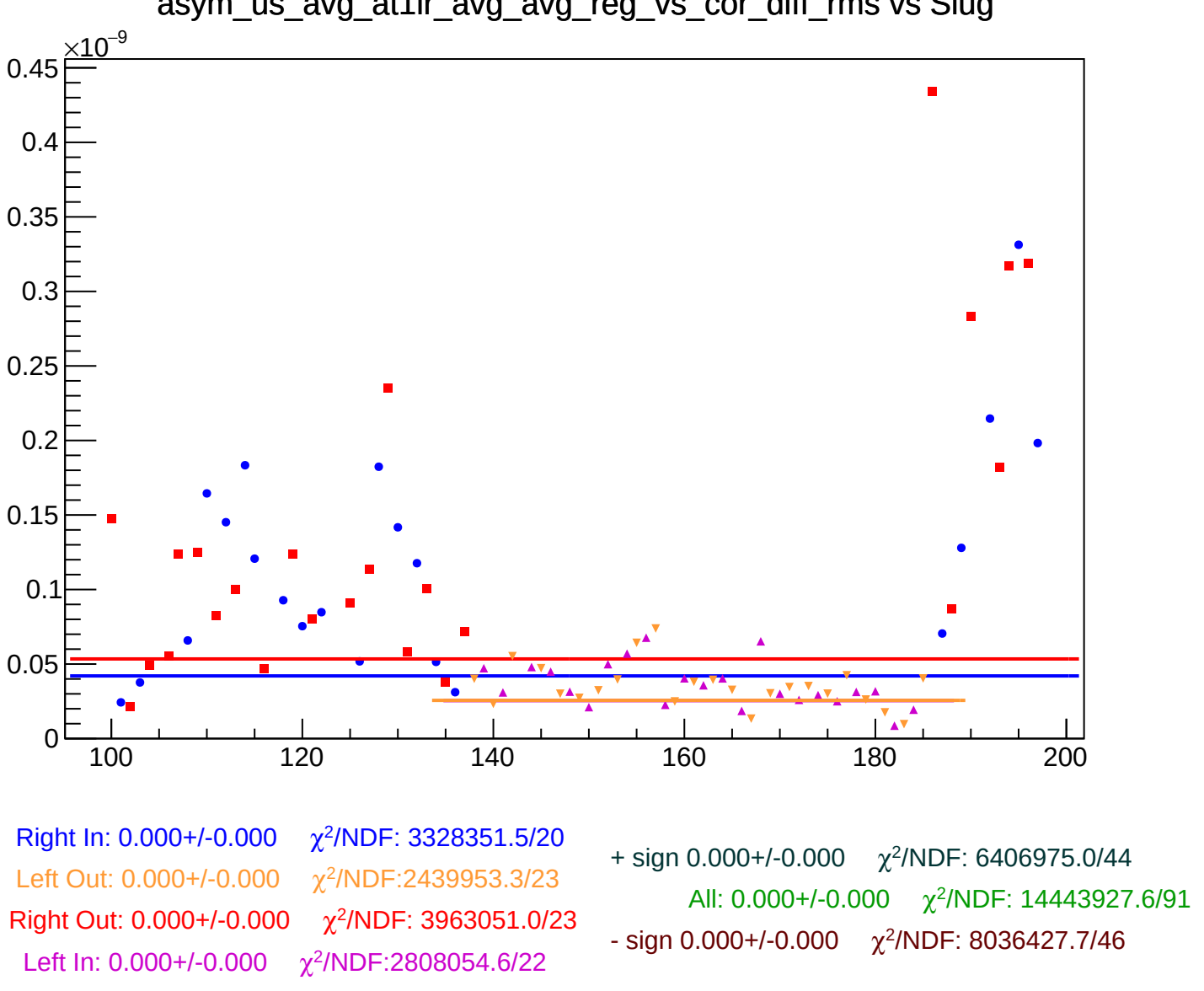
Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/23

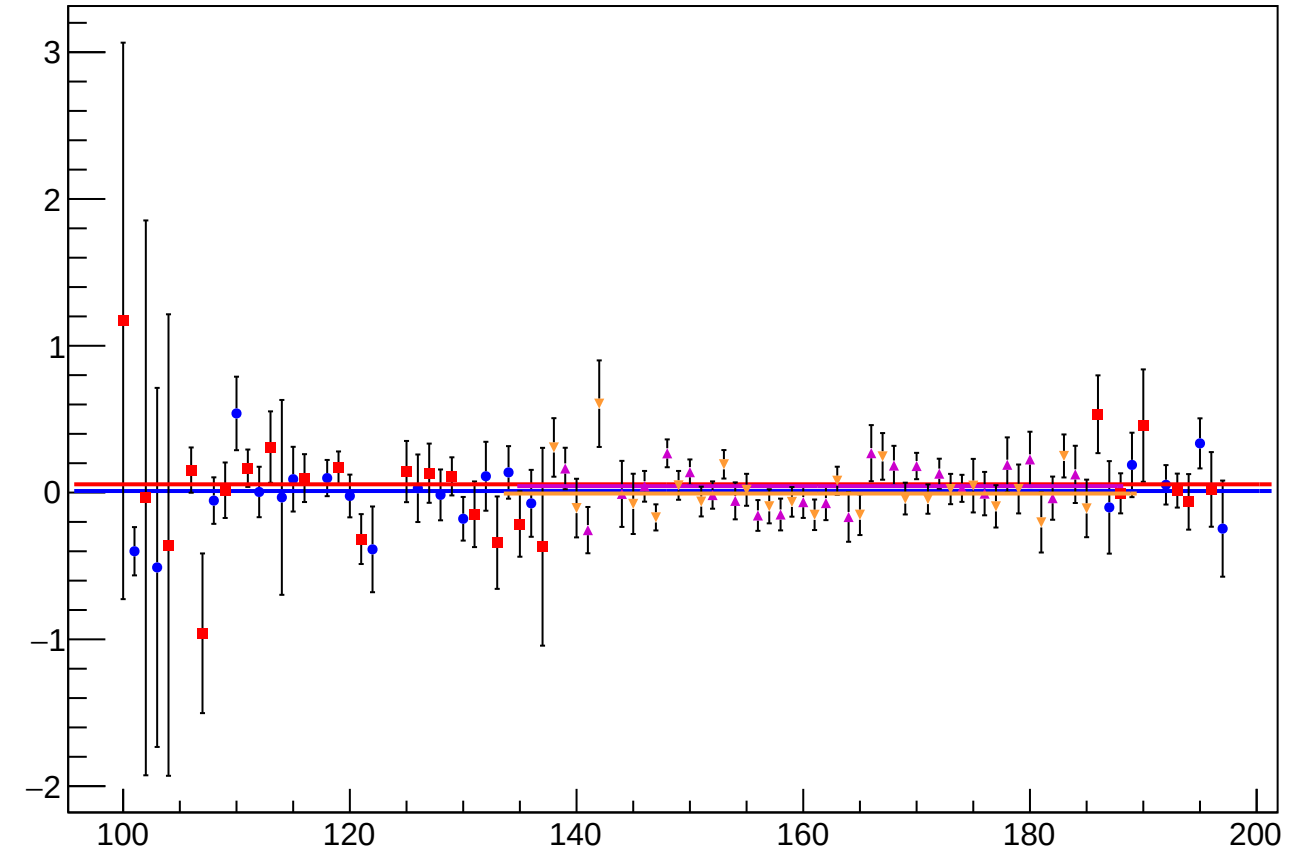
Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.2/44

All: -0.000+/-0.000 χ^2/NDF: 90.0/91

- sign 0.000+/-0.000 χ^2/NDF: 37.2/46


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: 3328351.5/20
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3963051.0/23
Left In: 0.000+/-0.000 χ²/NDF:2808054.6/22
+ sign 0.000+/-0.000 χ²/NDF: 6406975.0/44
All: 0.000+/-0.000 χ²/NDF: 14443927.6/91
- sign 0.000+/-0.000 χ²/NDF: 8036427.7/46



Right In: 0.010+/-0.042 χ^2/NDF: 21.2/20

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

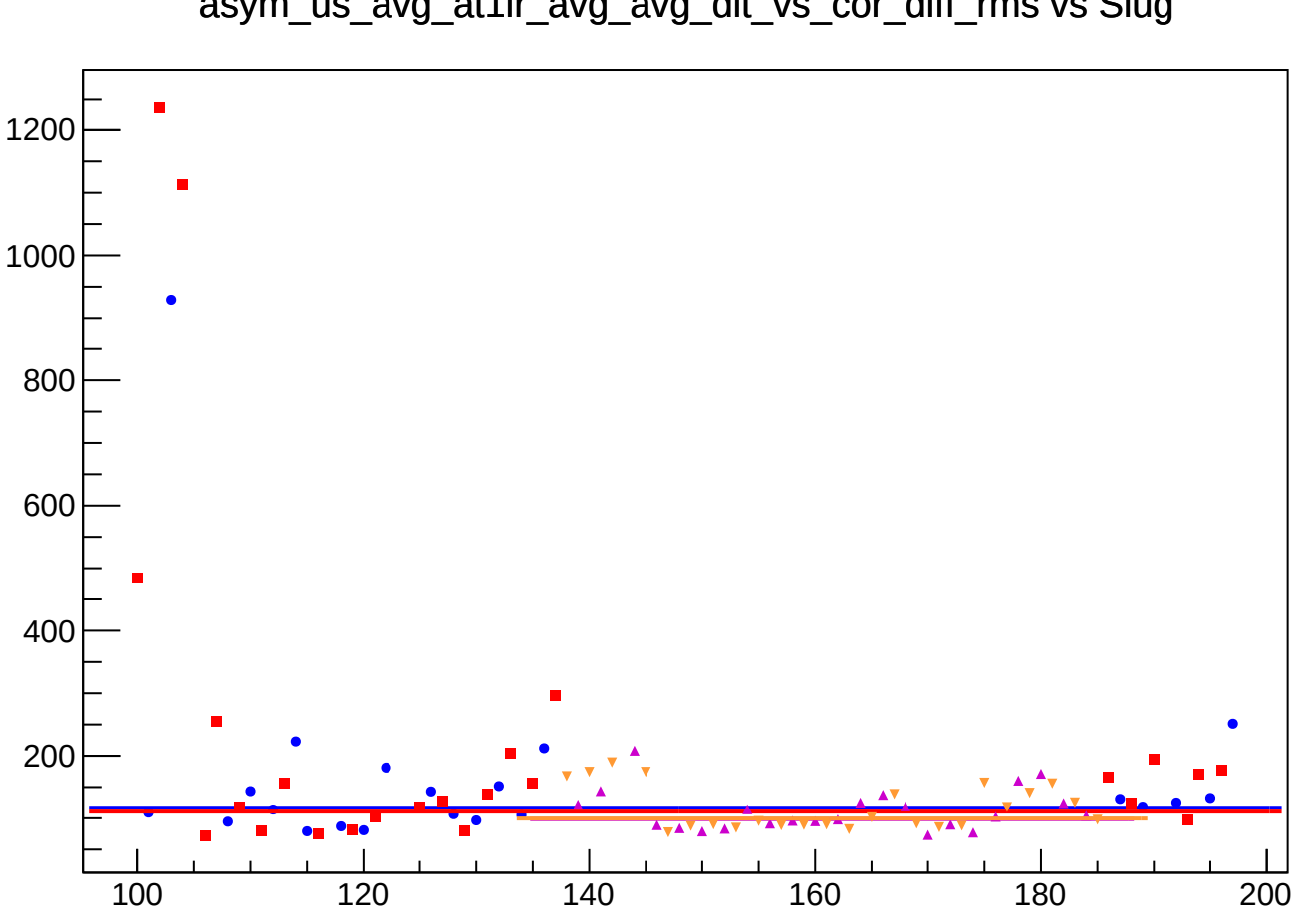
Right Out: 0.056+/-0.039 χ^2/NDF: 21.9/23

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.002+/-0.022 χ^2/NDF: 49.0/44

All: 0.023+/-0.015 χ^2/NDF: 103.9/91

- sign 0.047+/-0.021 χ^2/NDF: 52.3/46



Right In: 116.933+/-0.030 χ^2/NDF: 2231725.6/20

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 110.746+/-0.028 χ^2/NDF: 3450922.2/23

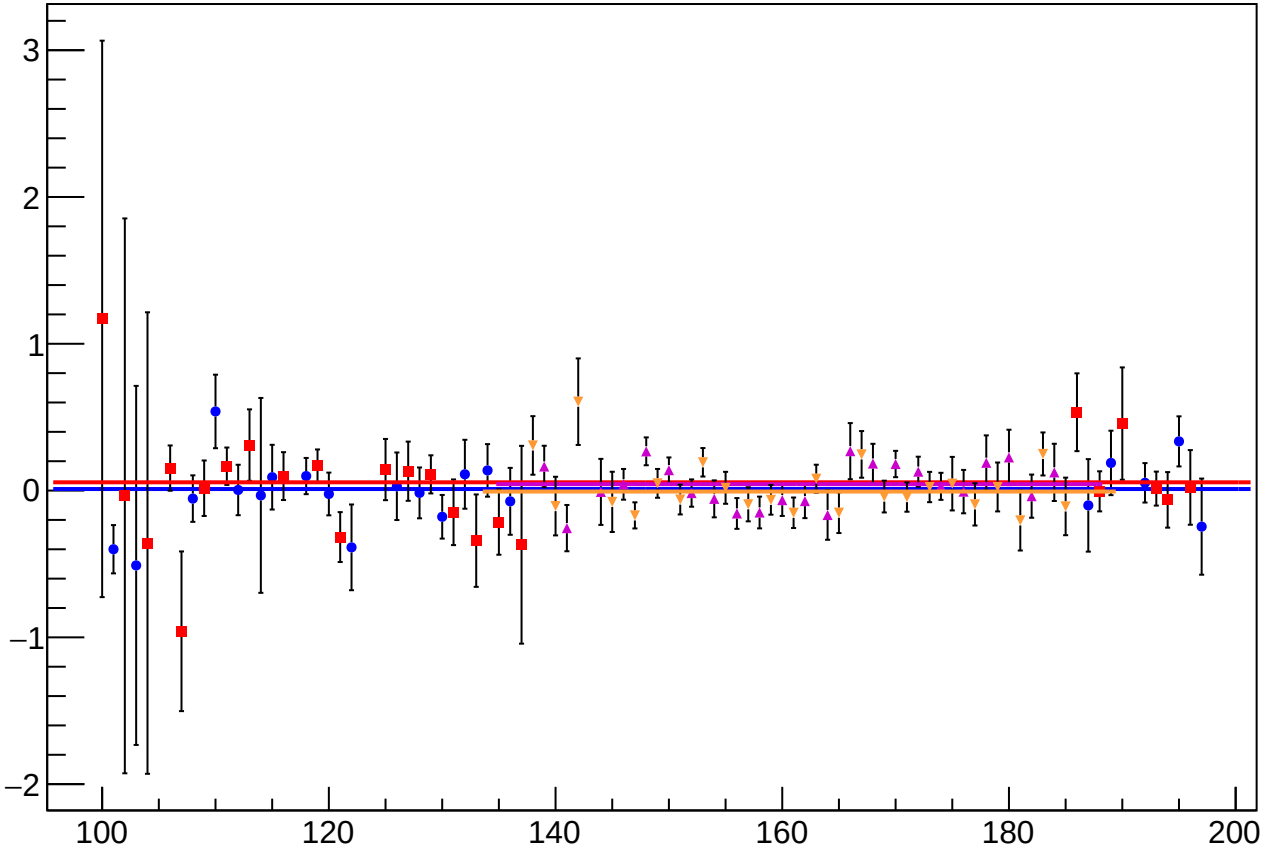
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 104.236+/-0.015 χ^2/NDF: 4554075.5/44

All: 103.189+/-0.011 χ^2/NDF: 10153156.5/91

- sign 102.198+/-0.015 χ^2/NDF: 5589988.2/46

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.042 χ^2/NDF: 21.2/20

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

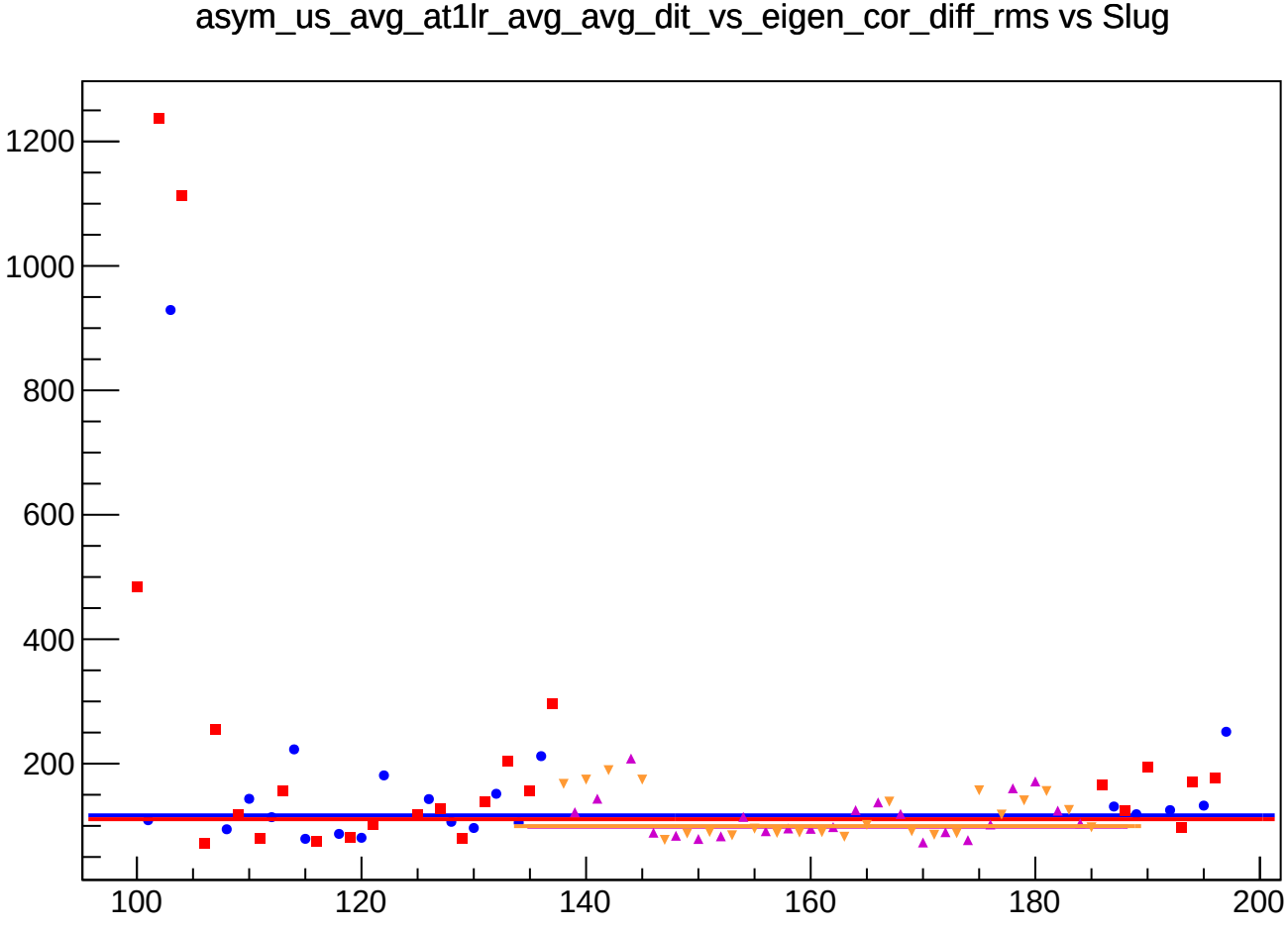
Right Out: 0.056+/-0.039 χ^2/NDF: 21.9/23

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.002+/-0.022 χ^2/NDF: 49.0/44

All: 0.023+/-0.015 χ^2/NDF: 103.9/91

- sign 0.047+/-0.021 χ^2/NDF: 52.3/46



Right In: 116.933+/-0.030 χ^2/NDF: 2231725.6/20

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

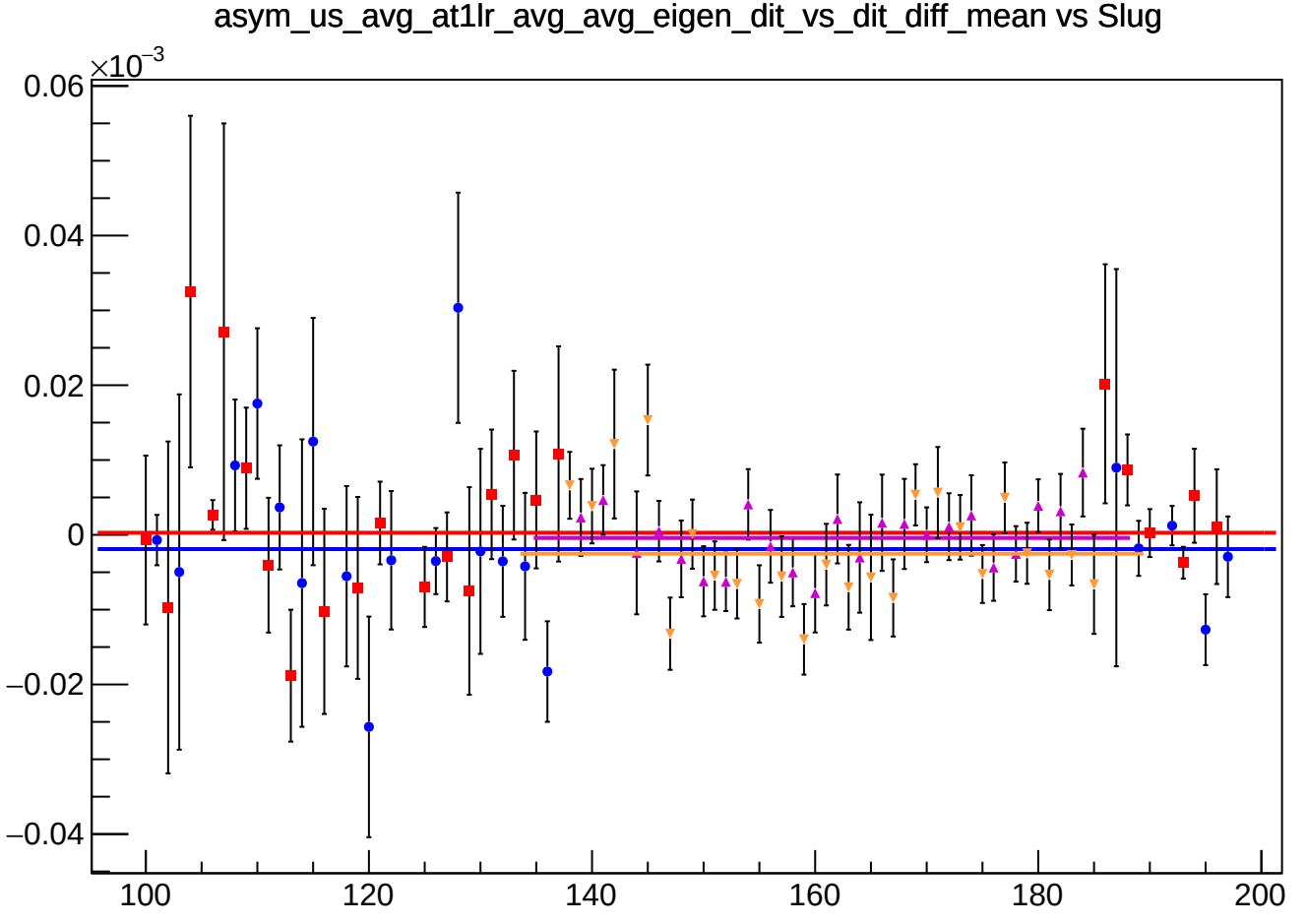
Right Out: 110.746+/-0.028 χ^2/NDF: 3450922.2/23

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 104.236+/-0.015 χ^2/NDF: 4554075.5/44

All: 103.189+/-0.011 χ^2/NDF: 10153156.5/91

- sign 102.198+/-0.015 χ^2/NDF: 5589988.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

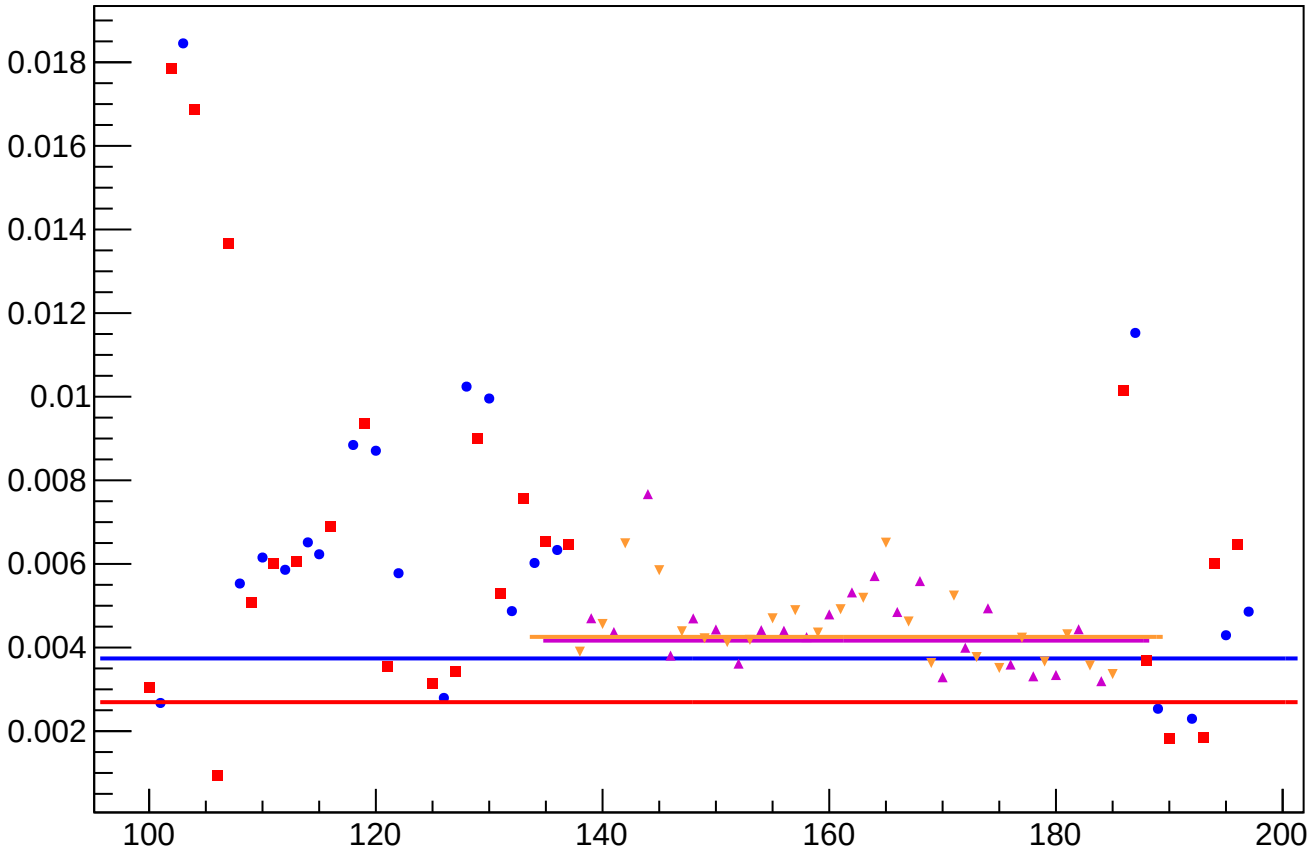
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/23

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.1/44

All: -0.000+/-0.000 χ^2/NDF: 112.2/91

- sign -0.000+/-0.000 χ^2/NDF: 41.0/46



Right In: 0.004+/-0.000 χ^2/NDF: 4478641.0/20

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8639523.4/23

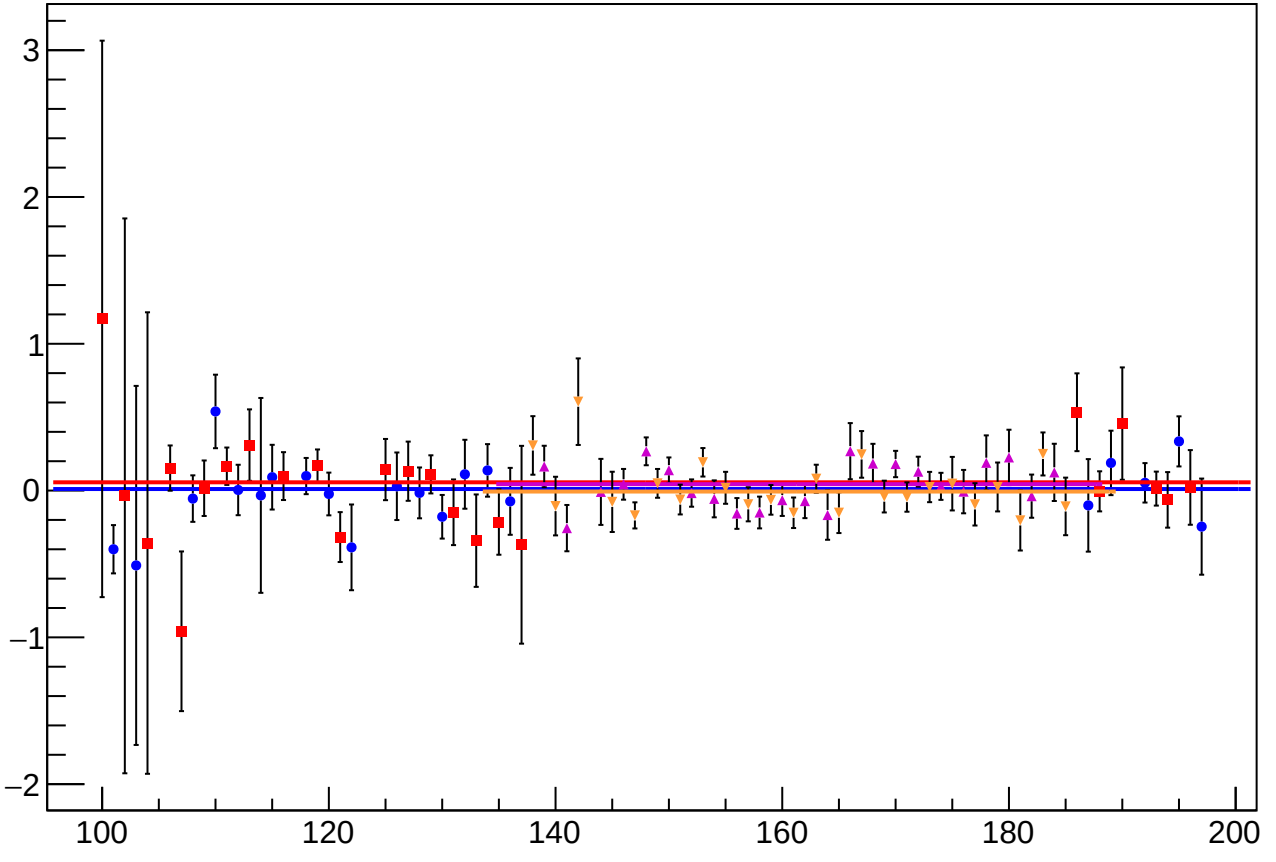
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 5502839.7/44

All: 0.004+/-0.000 χ^2/NDF: 18015997.1/91

- sign 0.003+/-0.000 χ^2/NDF: 11942642.7/46

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.042 χ^2/NDF: 21.2/20

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

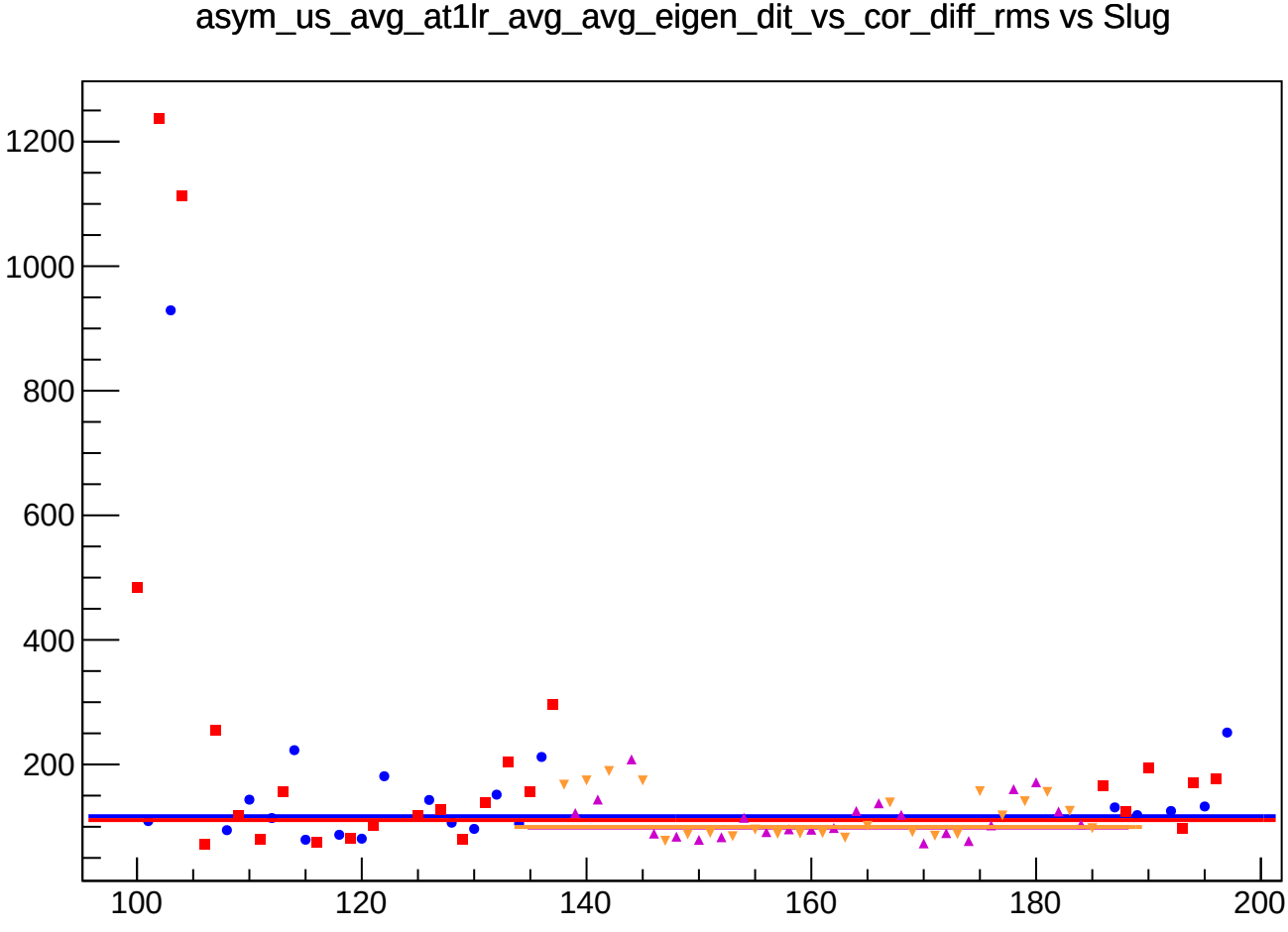
Right Out: 0.056+/-0.039 χ^2/NDF: 21.9/23

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.002+/-0.022 χ^2/NDF: 49.0/44

All: 0.023+/-0.015 χ^2/NDF: 103.9/91

- sign 0.047+/-0.021 χ^2/NDF: 52.3/46



Right In: 116.930+/-0.030 χ^2/NDF: 2231800.0/20

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

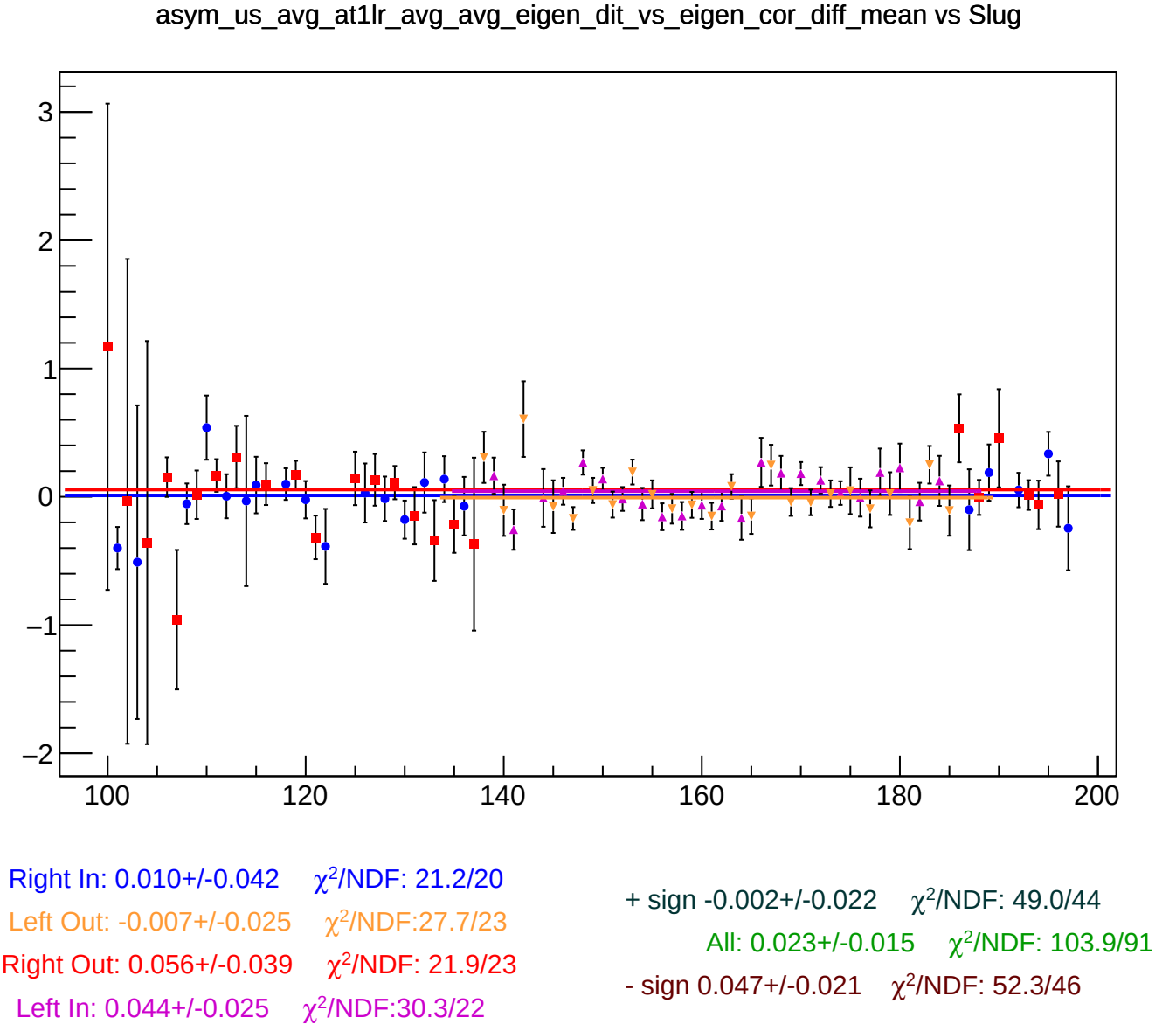
Right Out: 110.745+/-0.028 χ^2/NDF: 3450937.8/23

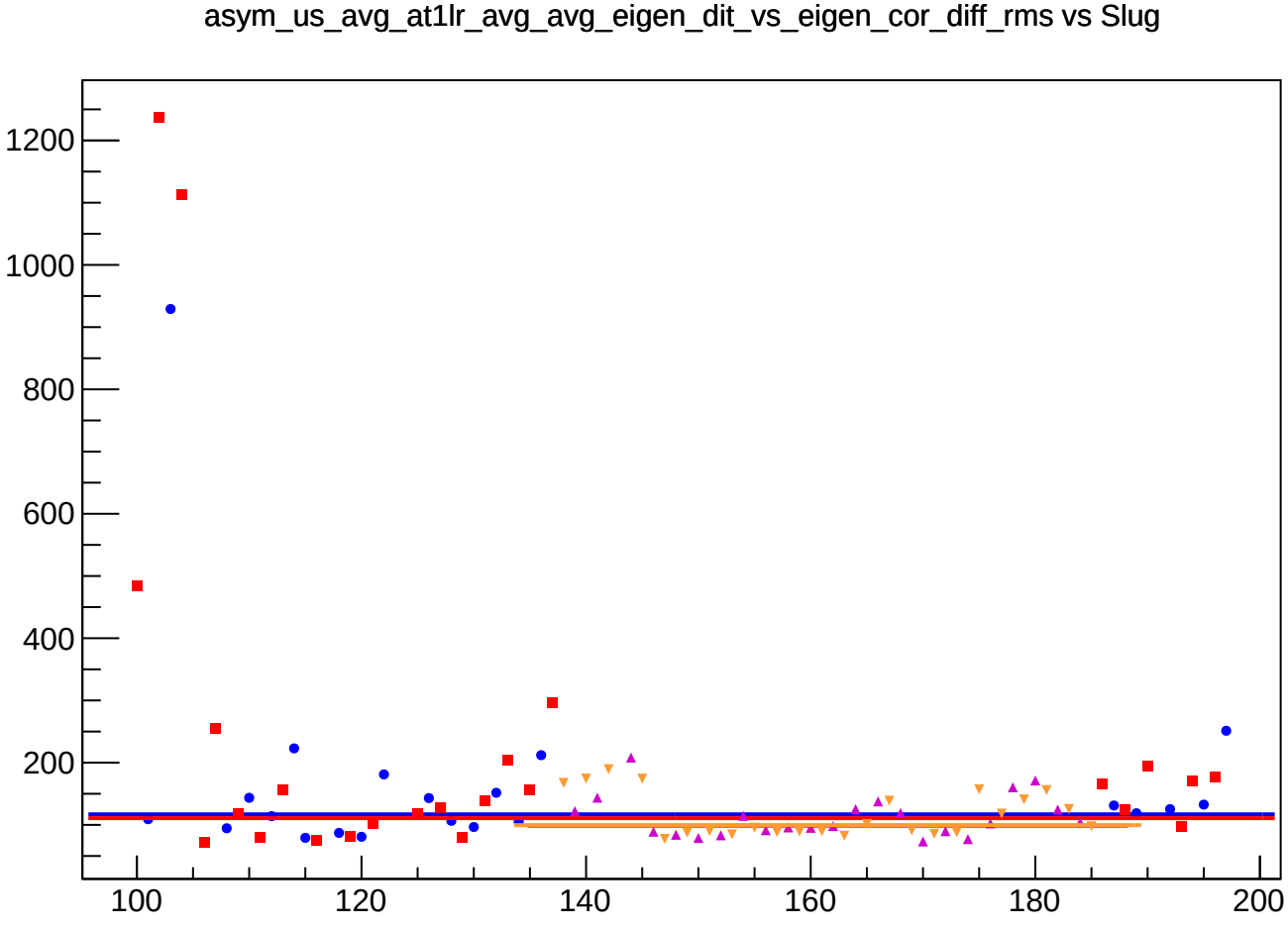
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 104.236+/-0.015 χ^2/NDF: 4554036.0/44

All: 103.189+/-0.011 χ^2/NDF: 10153067.0/91

- sign 102.197+/-0.015 χ^2/NDF: 5589937.7/46


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.010+/-0.042 χ²/NDF: 21.2/20
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.056+/-0.039 χ²/NDF: 21.9/23
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.002+/-0.022 χ²/NDF: 49.0/44
All: 0.023+/-0.015 χ²/NDF: 103.9/91
- sign 0.047+/-0.021 χ²/NDF: 52.3/46



Right In: 116.930+/-0.030 χ^2/NDF: 2231800.0/20

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

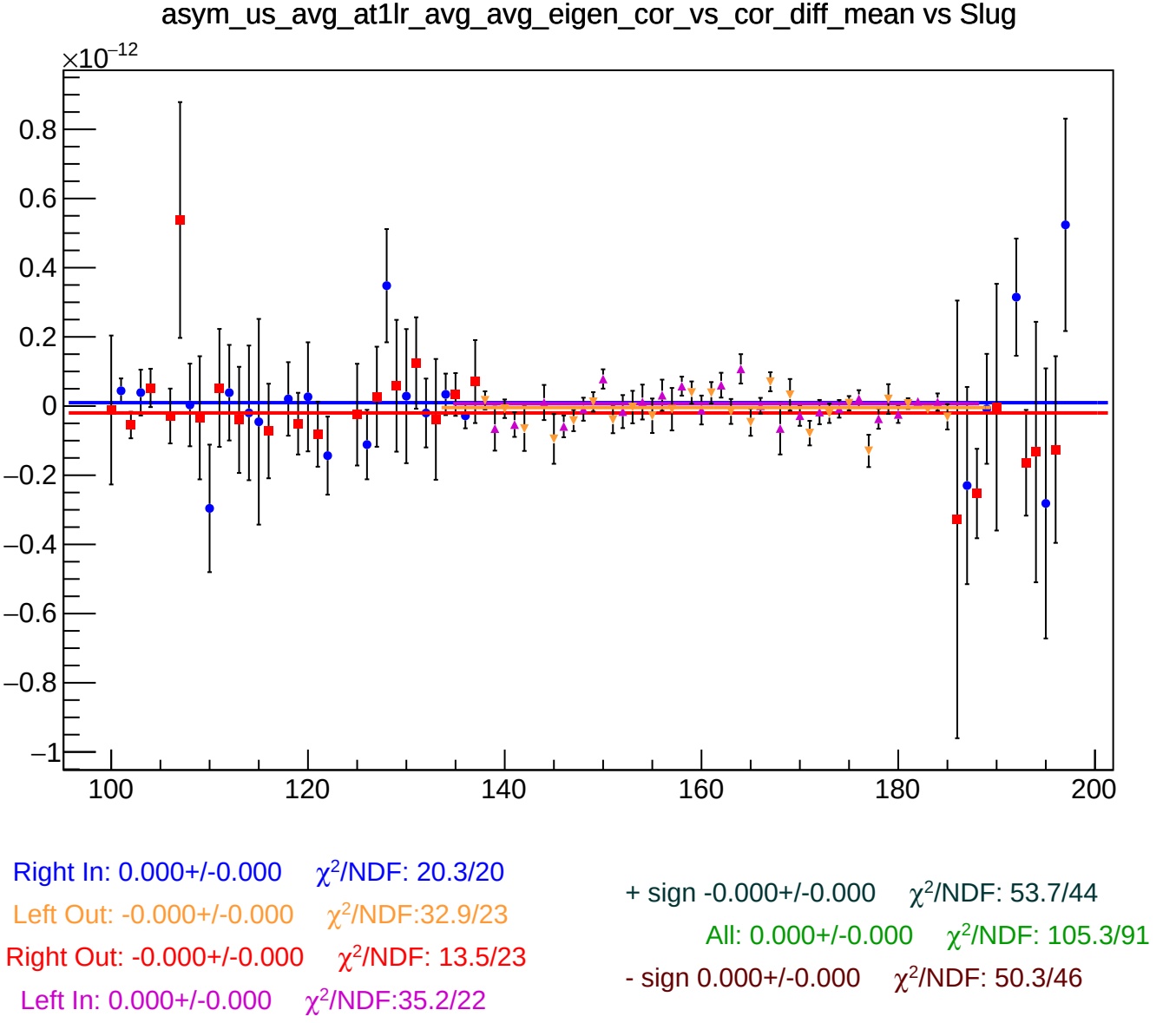
Right Out: 110.745+/-0.028 χ^2/NDF: 3450937.8/23

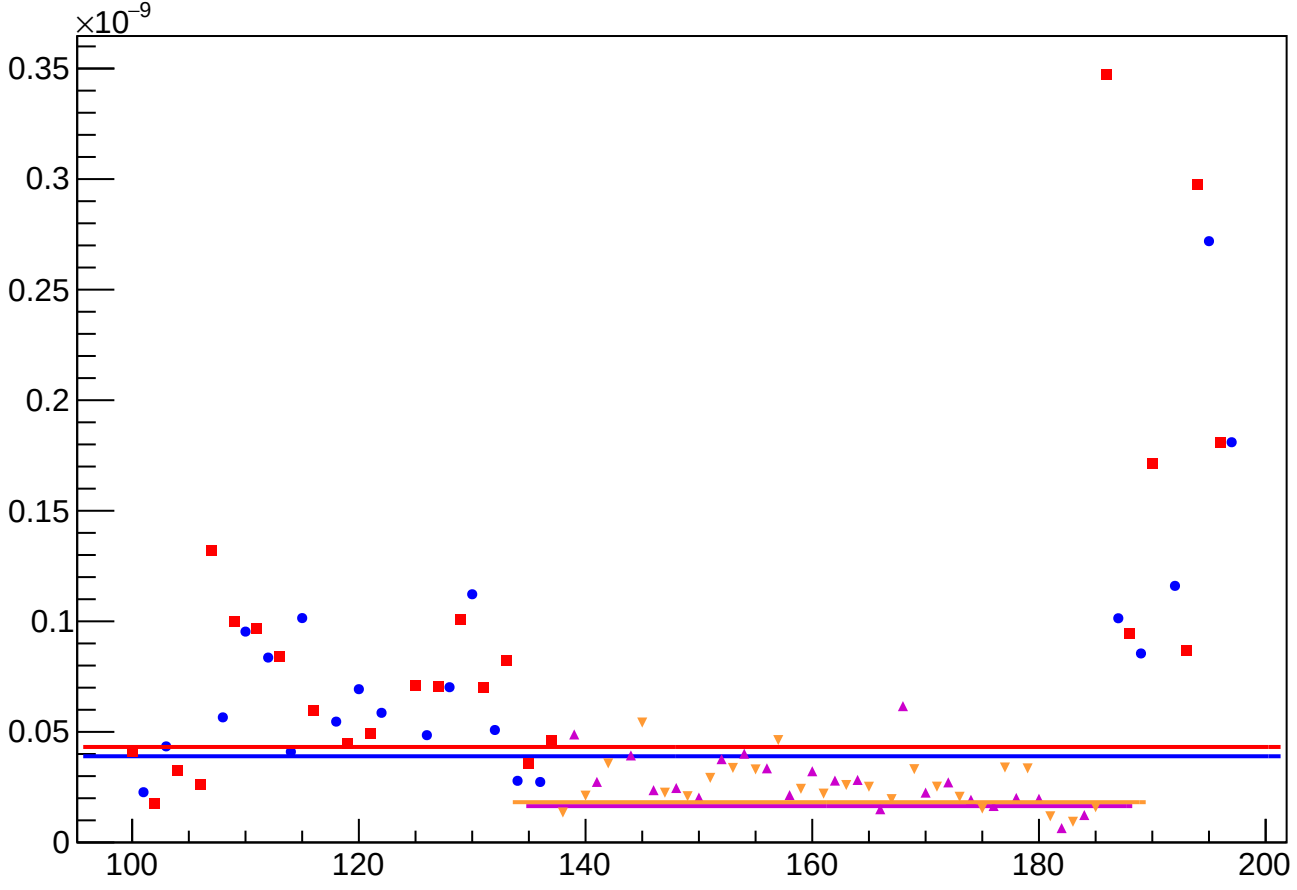
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 104.236+/-0.015 χ^2/NDF: 4554036.0/44

All: 103.189+/-0.011 χ^2/NDF: 10153067.0/91

- sign 102.197+/-0.015 χ^2/NDF: 5589937.7/46


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 20.3/20
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/23
Left In: 0.000+/-0.000 χ²/NDF:35.2/22
+ sign -0.000+/-0.000 χ²/NDF: 53.7/44
All: 0.000+/-0.000 χ²/NDF: 105.3/91
- sign 0.000+/-0.000 χ²/NDF: 50.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 3631306.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4929083.6/23

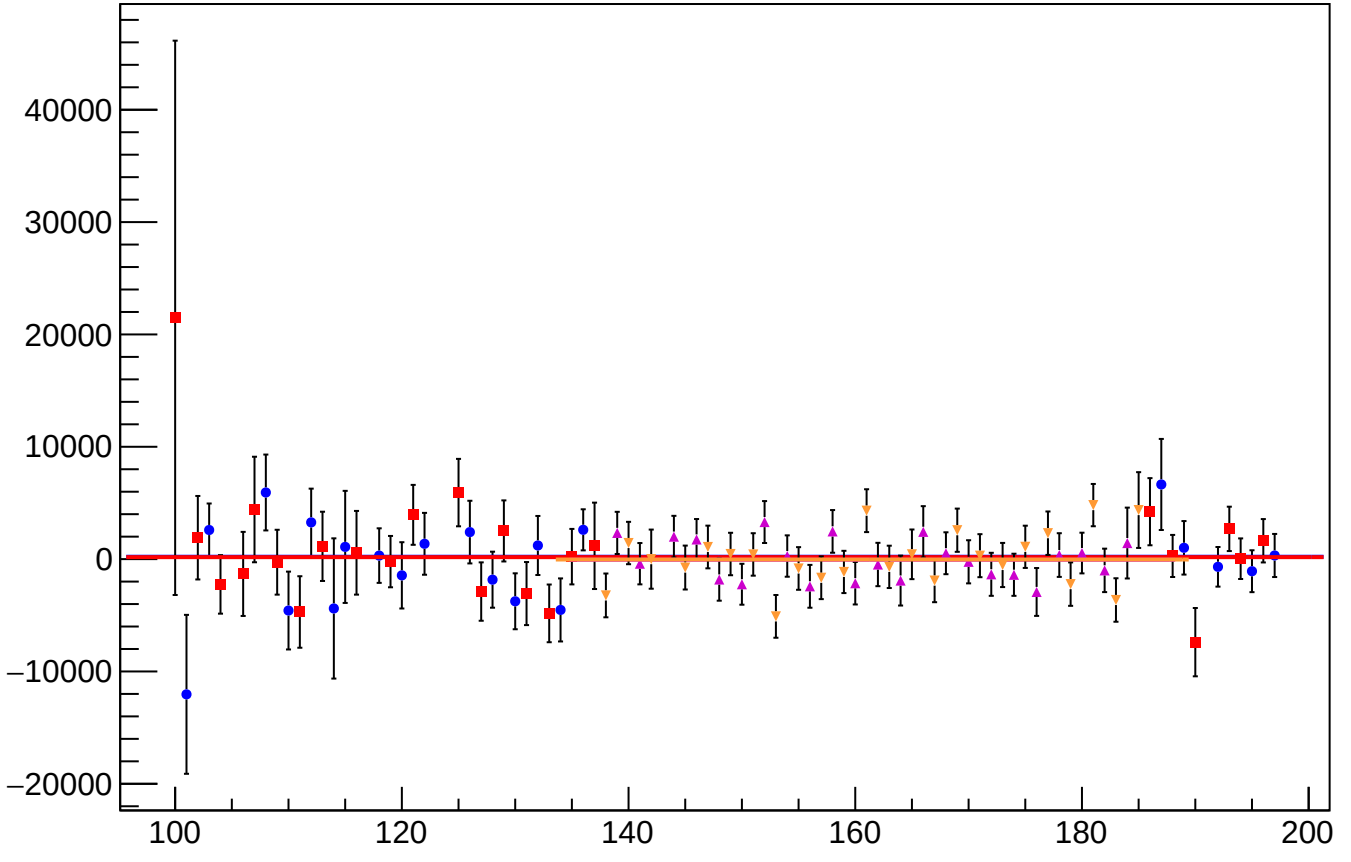
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10162727.6/44

All: 0.000+/-0.000 χ^2/NDF: 25275313.0/91

- sign 0.000+/-0.000 χ^2/NDF: 14988518.5/46

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 211.071+/-567.653 χ^2/NDF: 22.8/20

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 175.078+/-549.899 χ^2/NDF: 28.5/23

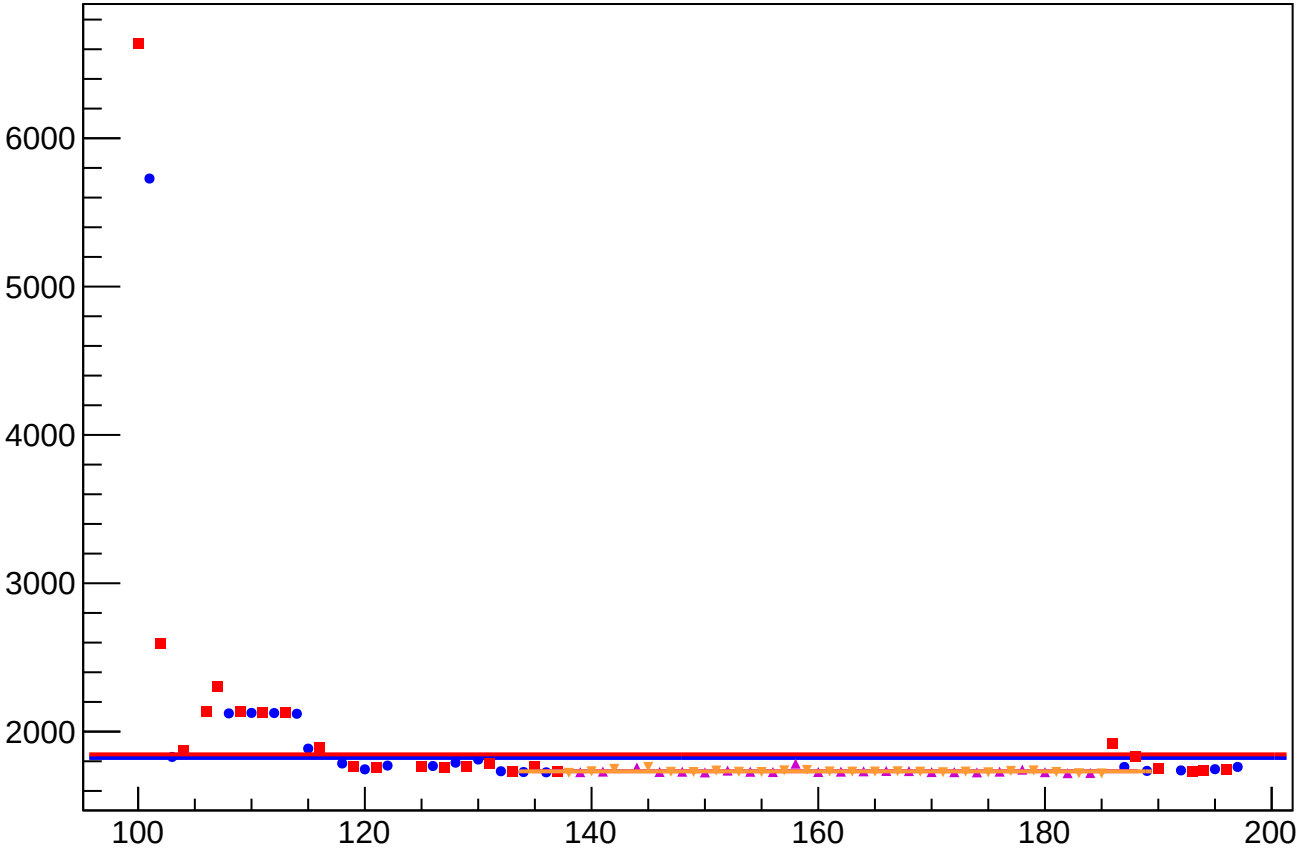
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 47.315+/-328.050 χ^2/NDF: 58.3/44

All: 37.225+/-231.219 χ^2/NDF: 106.3/91

- sign 27.265+/-325.946 χ^2/NDF: 48.0/46

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1822.601+/-0.401 χ^2/NDF: 692946.0/20

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

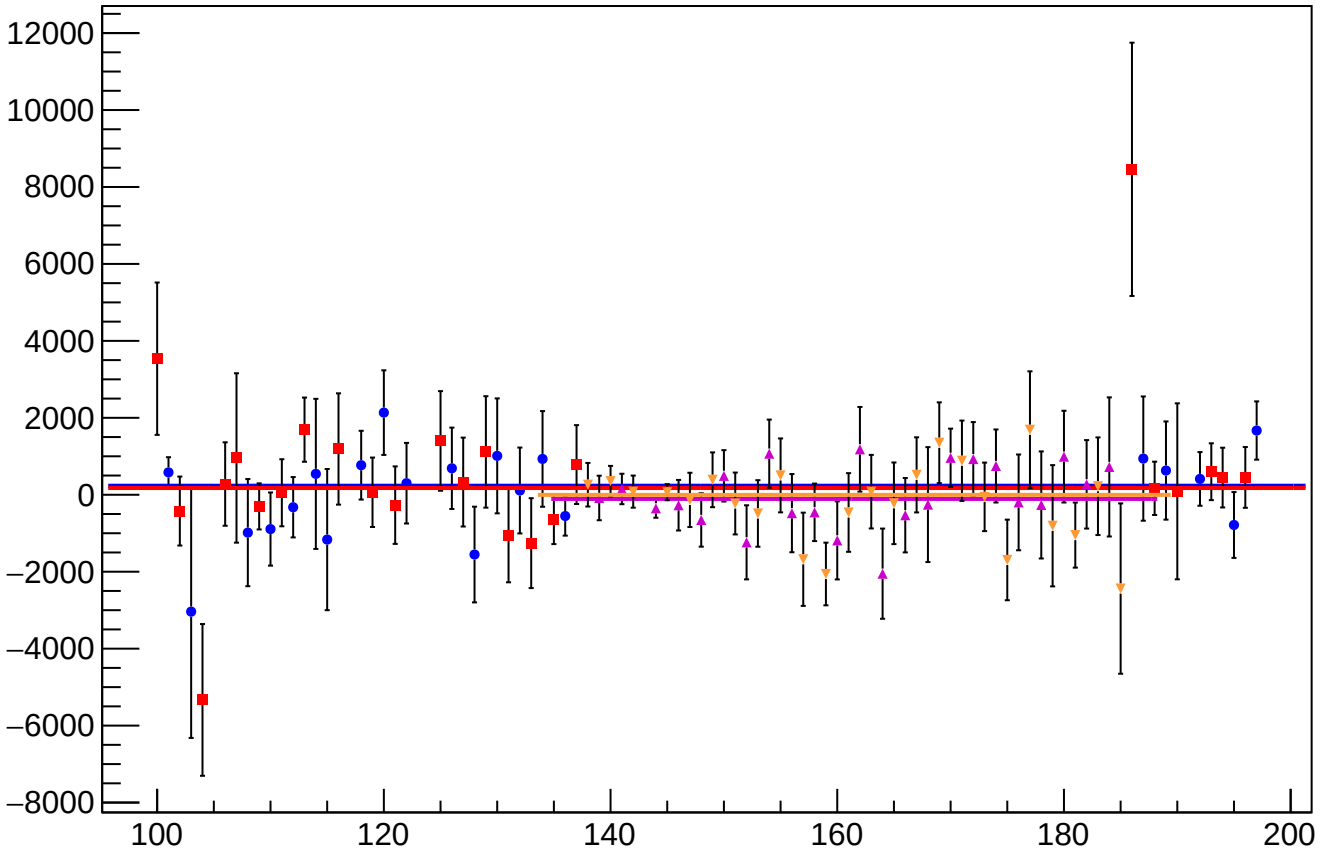
Right Out: 1846.547+/-0.389 χ^2/NDF: 283435.9/23

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.248+/-0.232 χ^2/NDF: 727826.9/44

All: 1767.708+/-0.163 χ^2/NDF: 1069600.9/91

- sign 1773.098+/-0.230 χ^2/NDF: 340673.2/46



Right In: 235.641+/-193.146 χ^2/NDF: 19.0/20

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

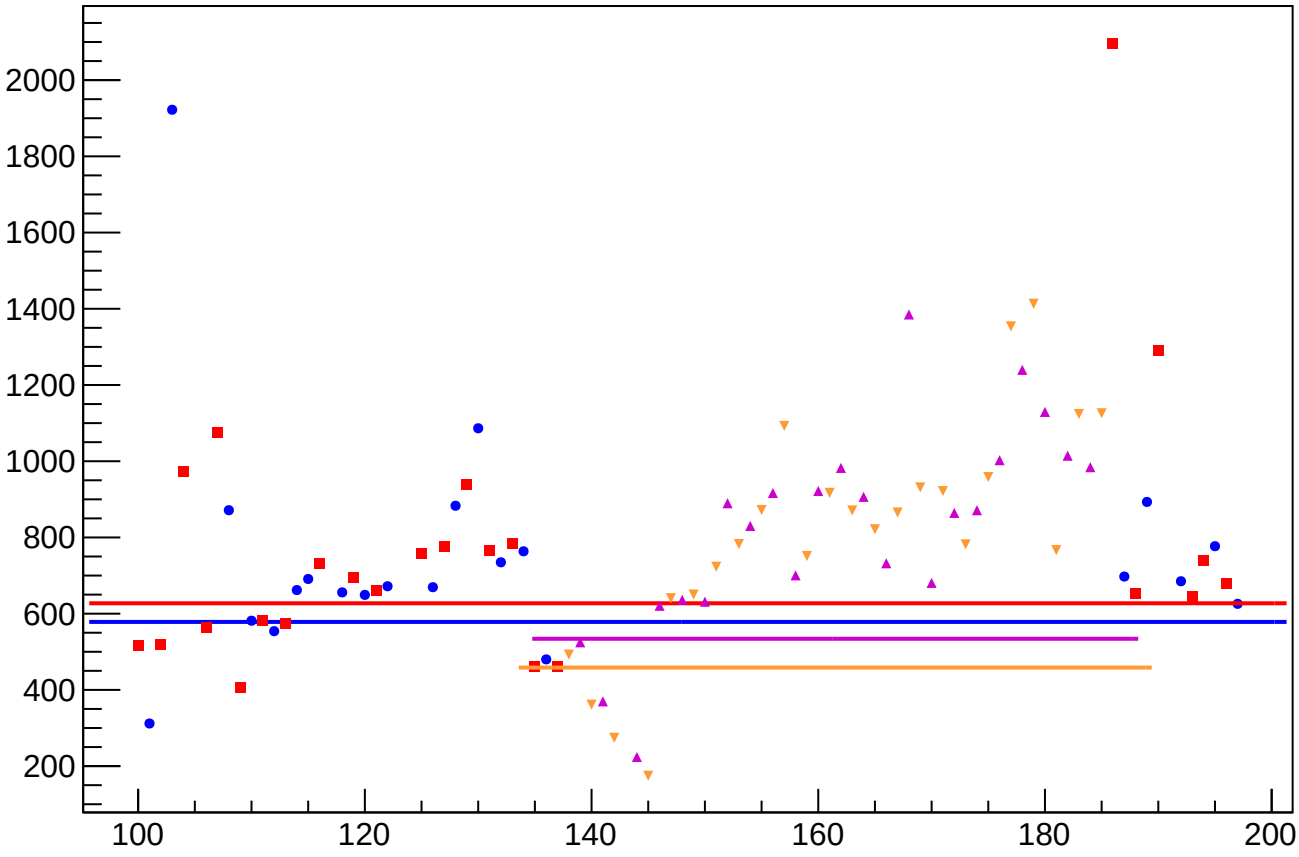
Right Out: 175.068+/-199.679 χ^2/NDF: 28.6/23

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 71.852+/-107.877 χ^2/NDF: 40.3/44

All: 33.112+/-79.132 χ^2/NDF: 87.6/91

- sign -12.015+/-116.430 χ^2/NDF: 47.0/46



Right In: 578.382+/-0.137 χ^2/NDF: 2213710.4/20

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 627.280+/-0.141 χ^2/NDF: 1507274.1/23

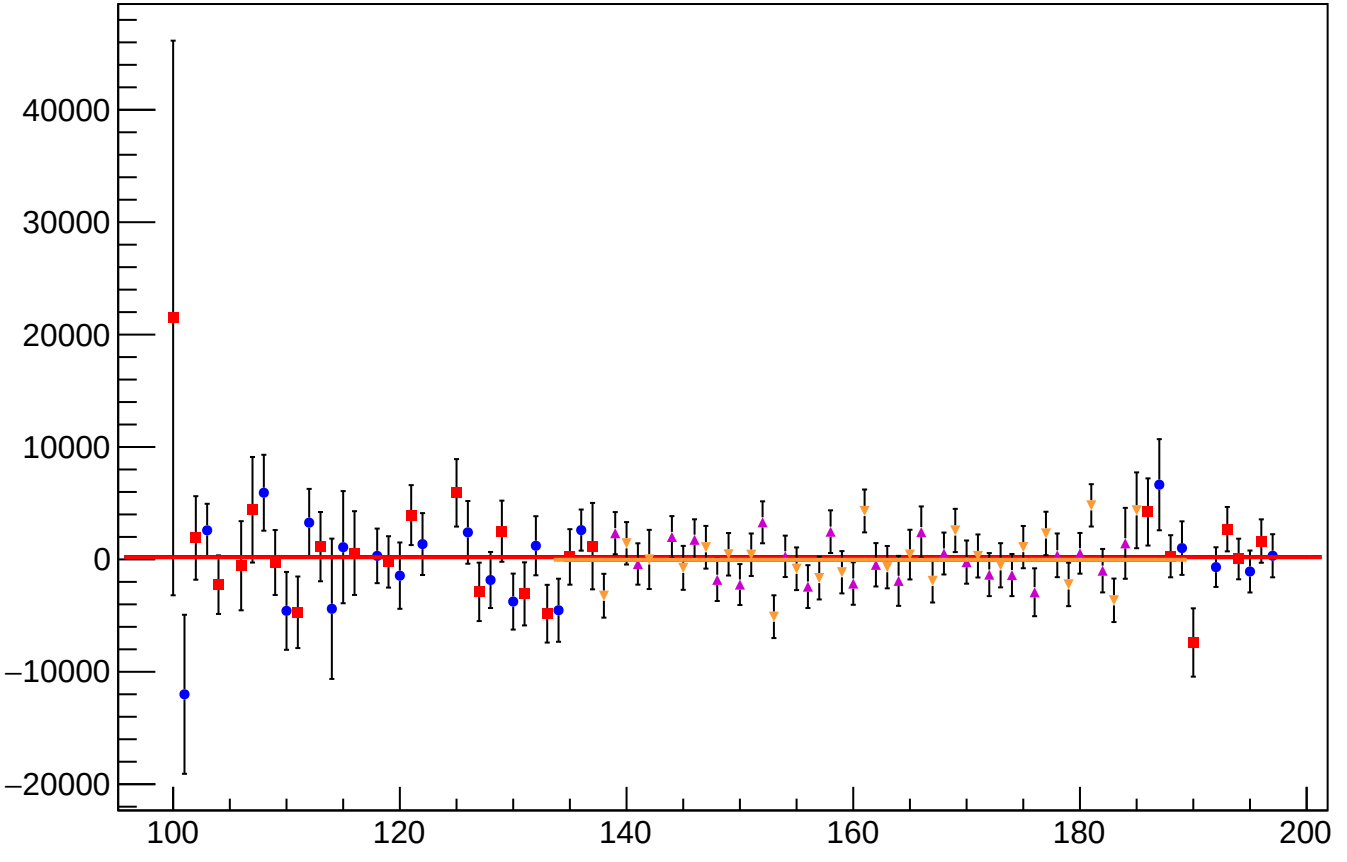
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 495.951+/-0.076 χ^2/NDF: 14169880.4/44

All: 528.225+/-0.056 χ^2/NDF: 24795061.9/91

- sign 565.820+/-0.082 χ^2/NDF: 10237642.7/46

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 211.132+/-567.653 χ^2/NDF: 22.8/20

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 193.278+/-550.547 χ^2/NDF: 28.4/23

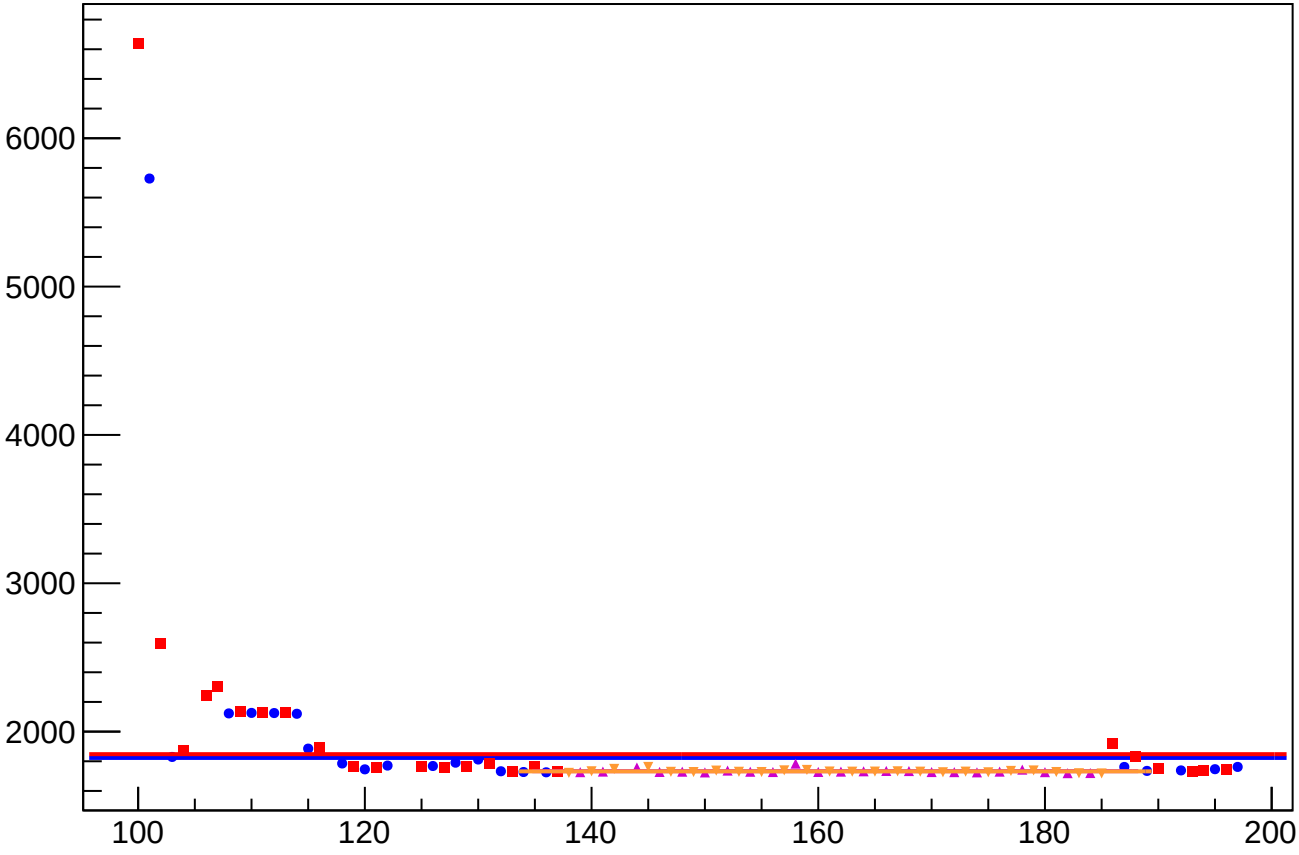
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 47.373+/-328.050 χ^2/NDF: 58.3/44

All: 40.435+/-231.267 χ^2/NDF: 106.2/91

- sign 33.580+/-326.081 χ^2/NDF: 47.9/46

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1822.600+/-0.401 χ^2/NDF: 692945.9/20

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

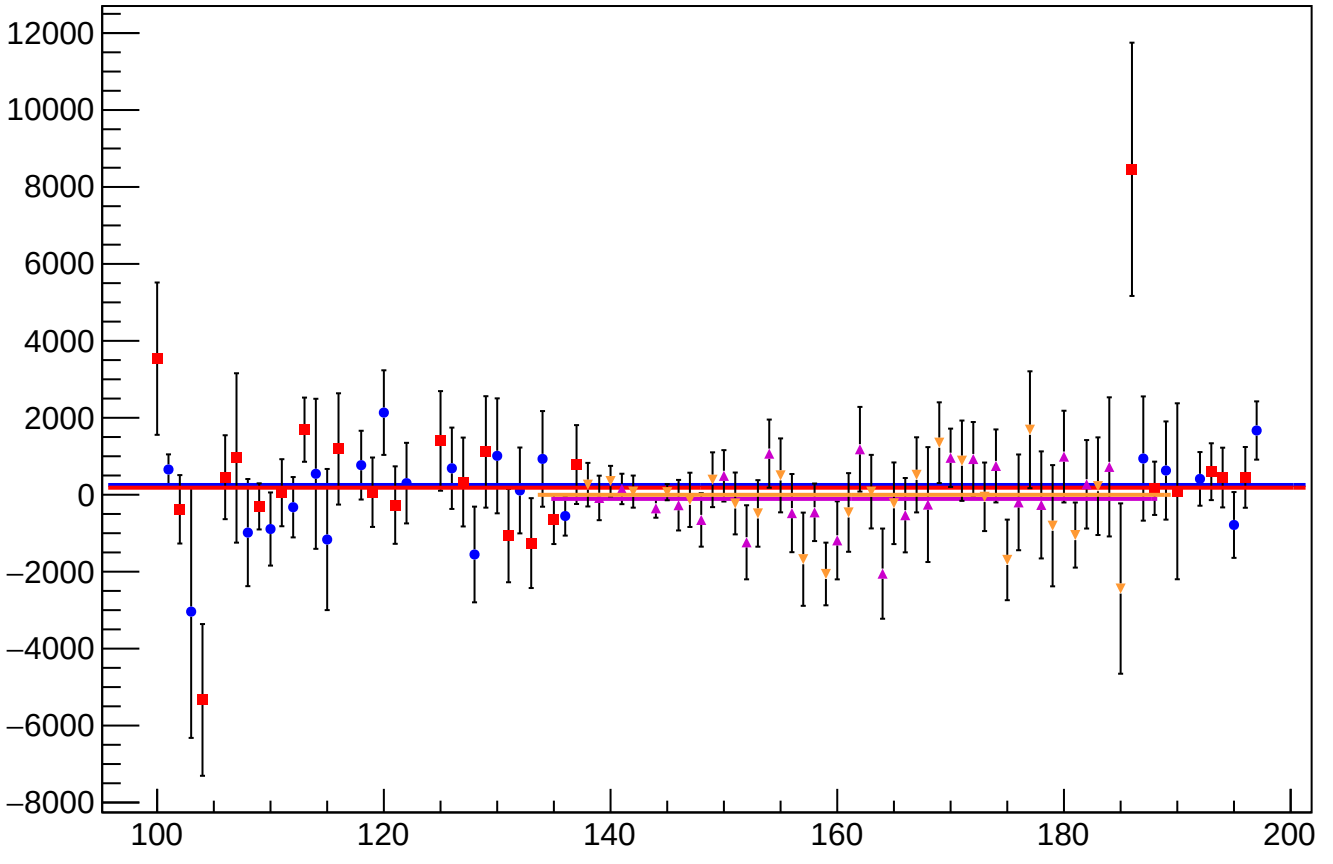
Right Out: 1847.890+/-0.389 χ^2/NDF: 291276.4/23

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.248+/-0.232 χ^2/NDF: 727826.7/44

All: 1767.912+/-0.164 χ^2/NDF: 1078752.4/91

- sign 1773.508+/-0.231 χ^2/NDF: 349740.5/46



Right In: 253.549+/-193.095 χ^2/NDF: 19.4/20

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

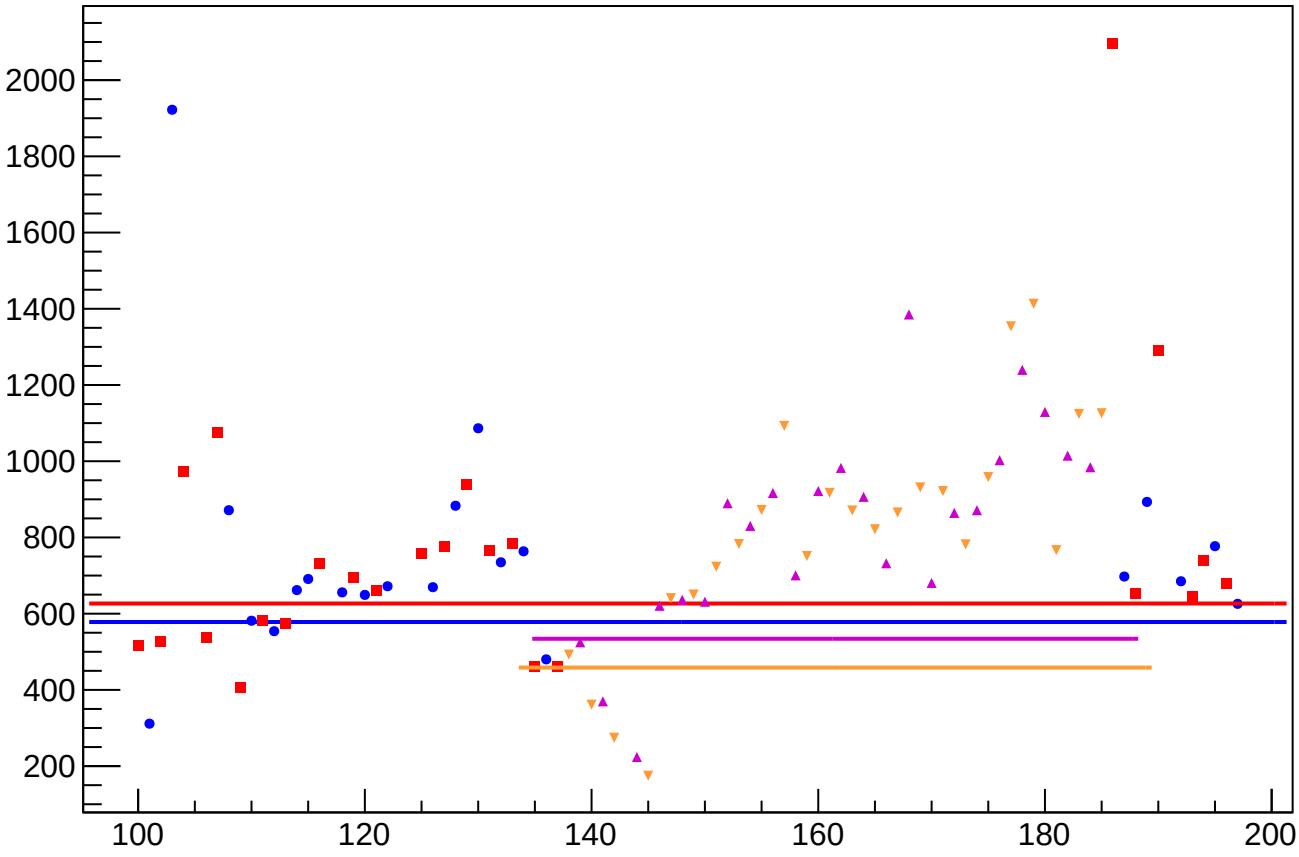
Right Out: 182.727+/-199.647 χ^2/NDF: 28.6/23

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 77.385+/-107.869 χ^2/NDF: 40.9/44

All: 37.311+/-79.127 χ^2/NDF: 88.2/91

- sign -9.371+/-116.424 χ^2/NDF: 47.0/46



Right In: 578.122+/-0.137 χ^2/NDF: 2219153.6/20

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

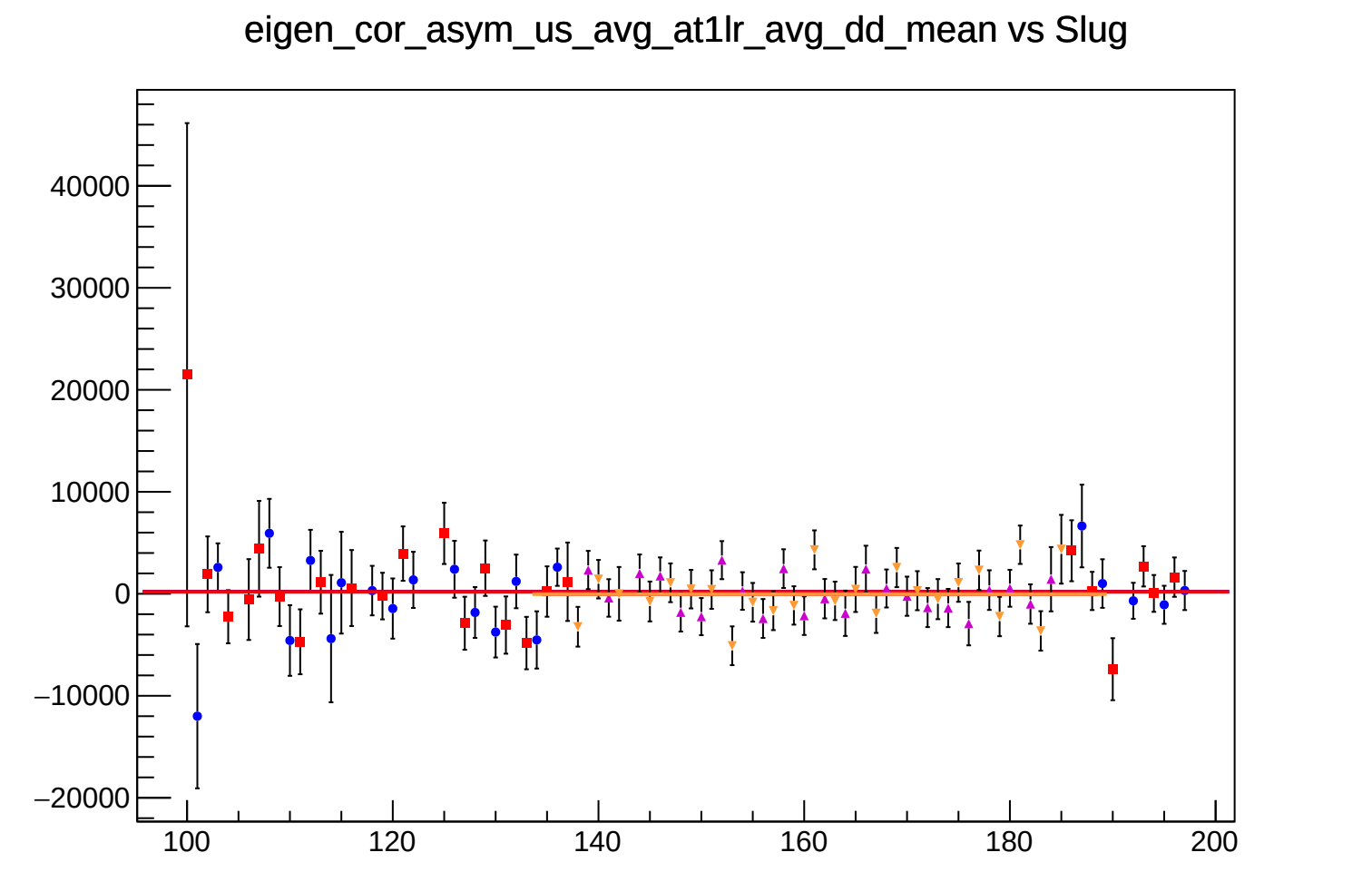
Right Out: 626.665+/-0.141 χ^2/NDF: 1510903.7/23

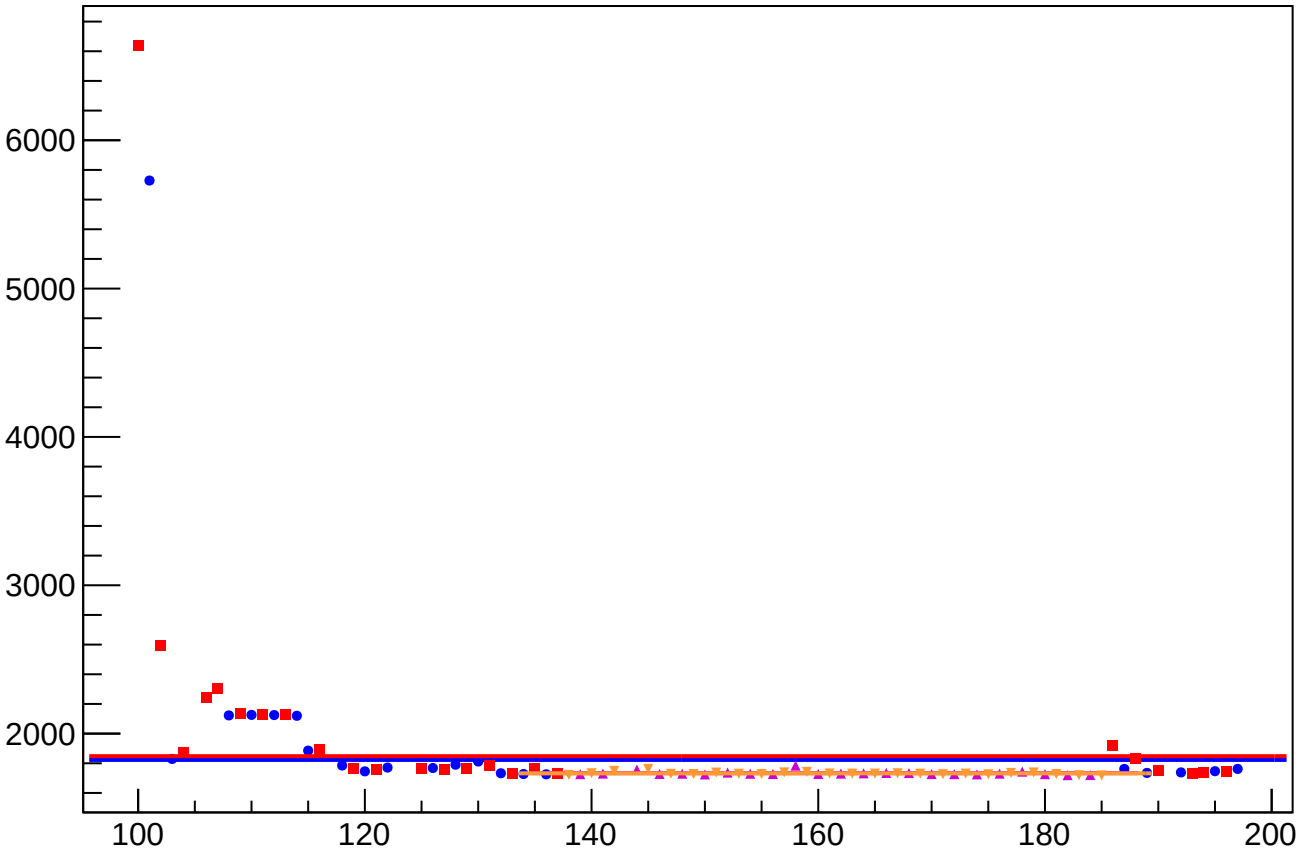
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 495.891+/-0.076 χ^2/NDF: 14172706.3/44

All: 528.101+/-0.056 χ^2/NDF: 24795797.8/91

- sign 565.623+/-0.082 χ^2/NDF: 10237025.3/46


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 211.132+/-567.653 χ²/NDF: 22.8/20
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 193.278+/-550.547 χ²/NDF: 28.4/23
Left In: -52.714+/-404.703 χ²/NDF:19.4/22
+ sign 47.373+/-328.050 χ²/NDF: 58.3/44
All: 40.435+/-231.267 χ²/NDF: 106.2/91
- sign 33.580+/-326.081 χ²/NDF: 47.9/46



Right In: 1822.600+/-0.401 χ^2/NDF: 692945.9/20

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

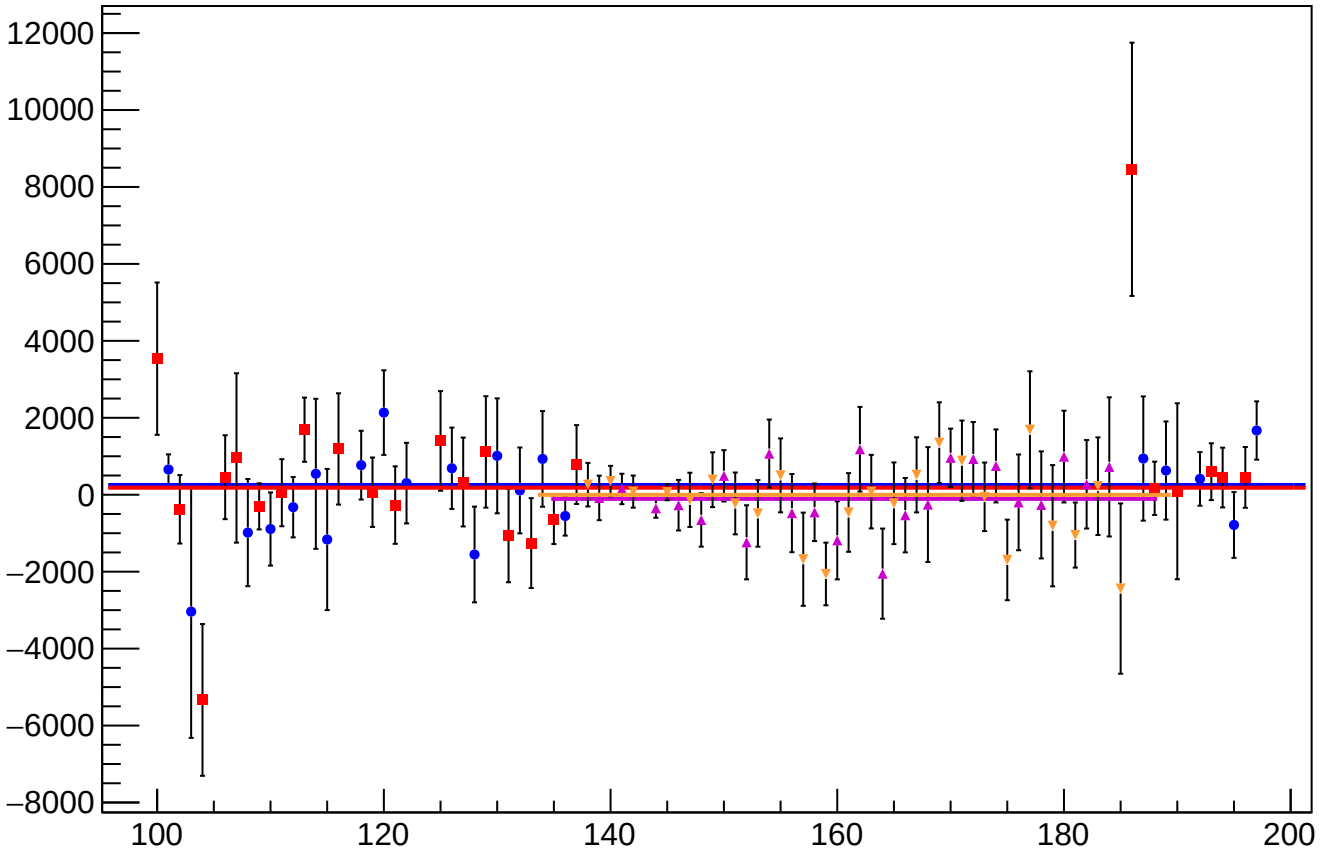
Right Out: 1847.890+/-0.389 χ^2/NDF: 291276.4/23

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.248+/-0.232 χ^2/NDF: 727826.7/44

All: 1767.912+/-0.164 χ^2/NDF: 1078752.4/91

- sign 1773.508+/-0.231 χ^2/NDF: 349740.5/46



Right In: 253.549+/-193.095 χ^2/NDF: 19.4/20

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

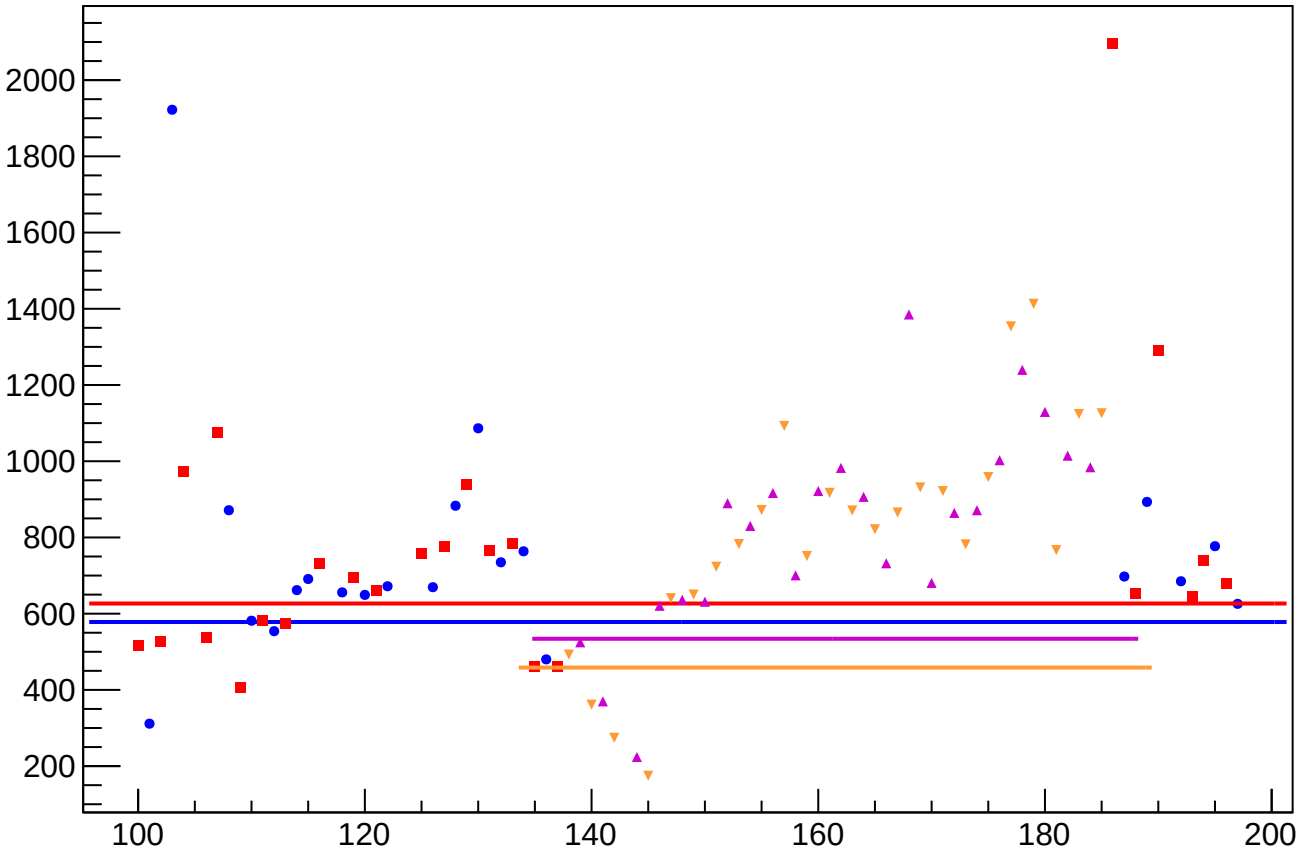
Right Out: 182.727+/-199.647 χ^2/NDF: 28.6/23

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 77.385+/-107.869 χ^2/NDF: 40.9/44

All: 37.311+/-79.127 χ^2/NDF: 88.2/91

- sign -9.371+/-116.424 χ^2/NDF: 47.0/46



Right In: 578.122+/-0.137 χ^2/NDF: 2219153.6/20

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 626.665+/-0.141 χ^2/NDF: 1510903.7/23

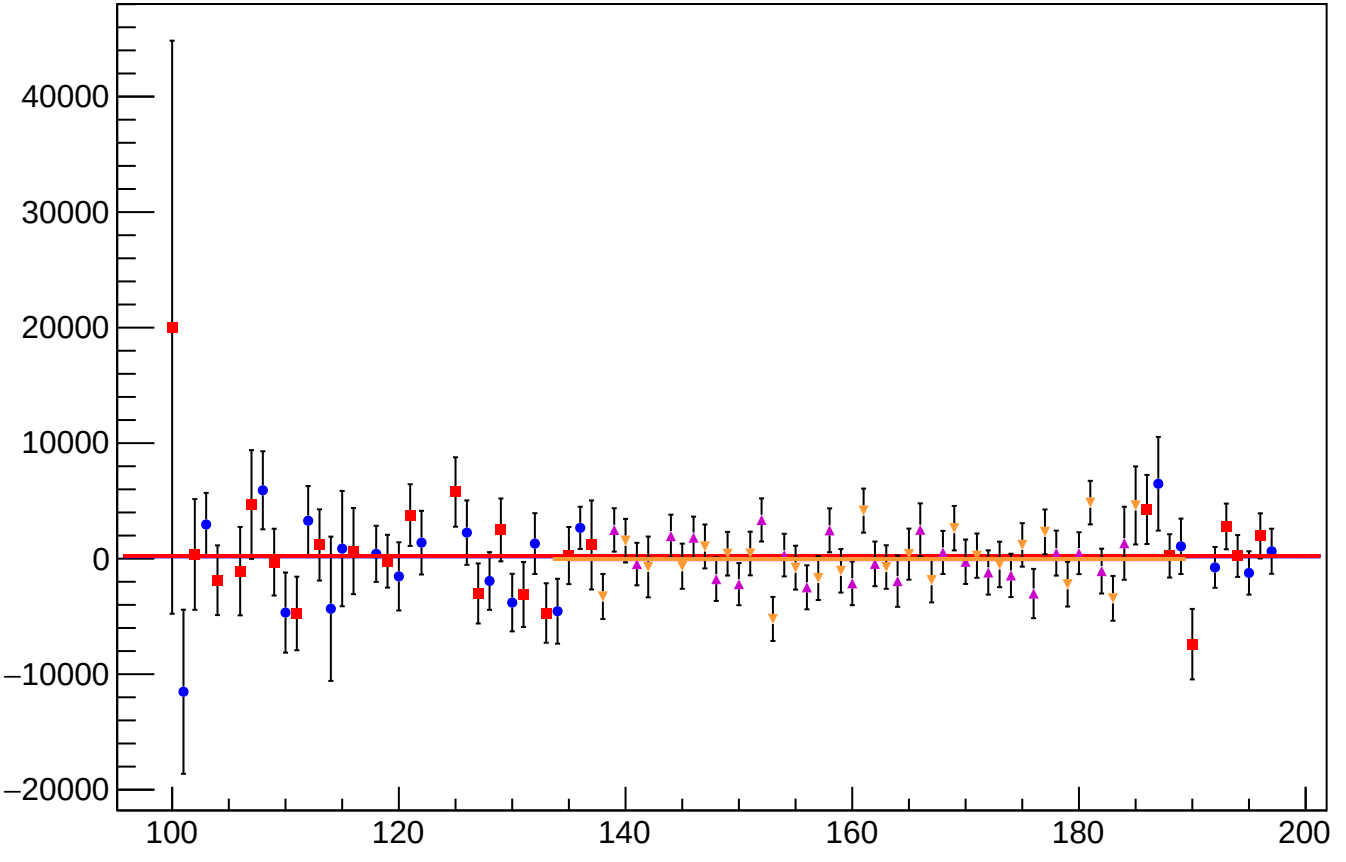
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 495.891+/-0.076 χ^2/NDF: 14172706.3/44

All: 528.101+/-0.056 χ^2/NDF: 24795797.8/91

- sign 565.623+/-0.082 χ^2/NDF: 10237025.3/46

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 194.790+/-573.618 χ^2/NDF: 22.9/20

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 229.571+/-556.845 χ^2/NDF: 27.9/23

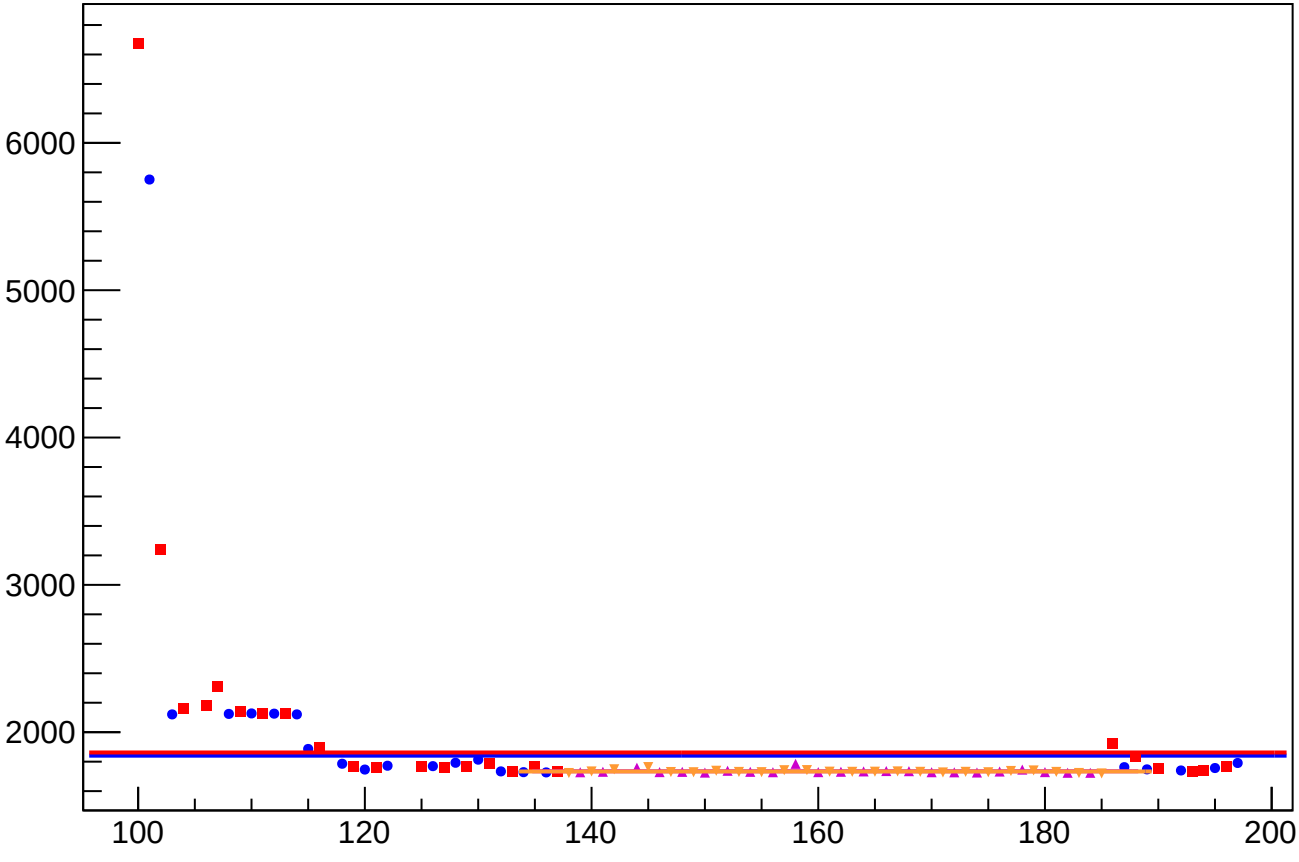
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

\+ sign 44.528+/-329.379 χ^2/NDF: 58.4/44

All: 48.117+/-232.260 χ^2/NDF: 106.3/91

\- sign 51.667+/-327.559 χ^2/NDF: 47.9/46

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1840.777+/-0.406 χ^2/NDF: 713383.1/20

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

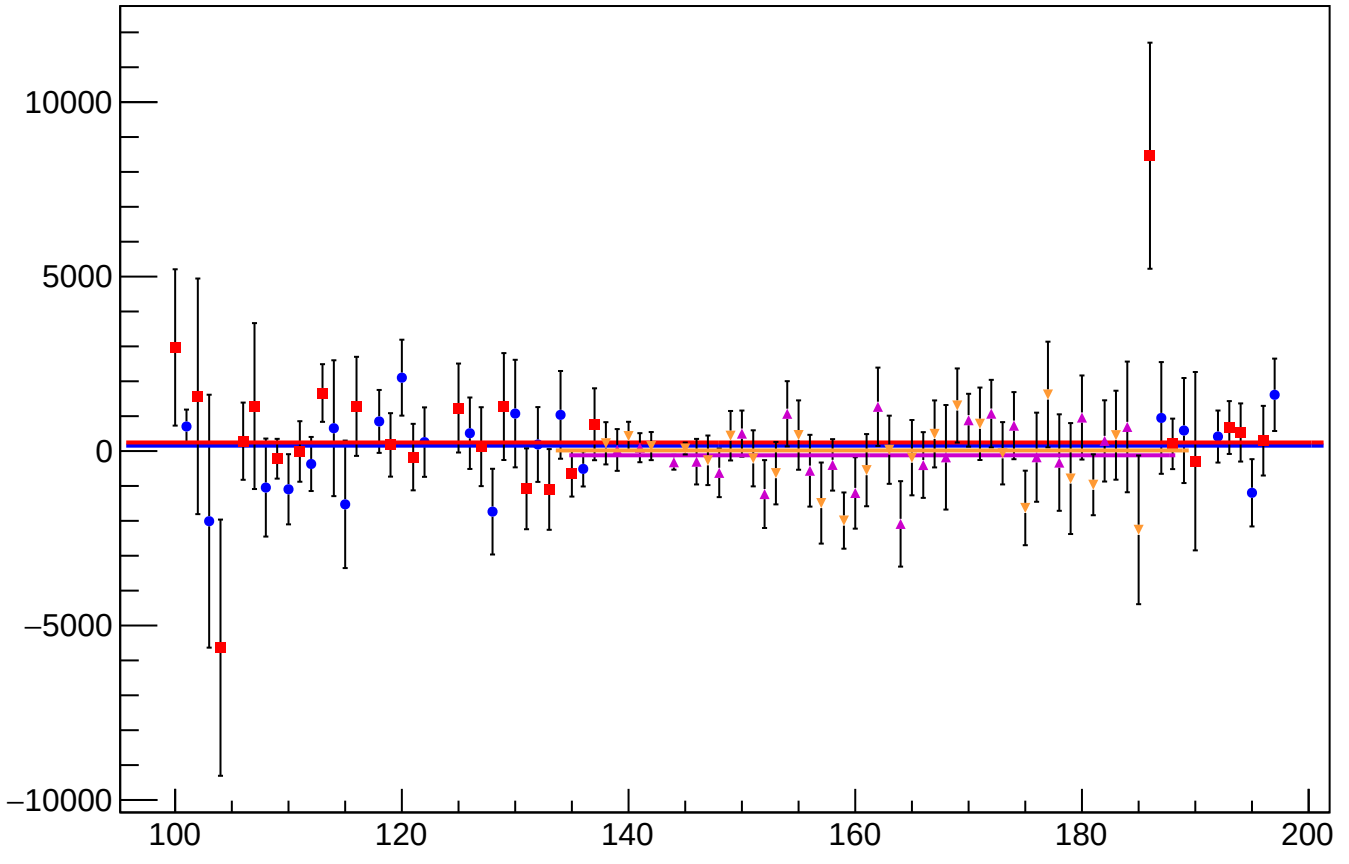
Right Out: 1862.324+/-0.394 χ^2/NDF: 391277.5/23

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.857+/-0.233 χ^2/NDF: 761190.6/44

All: 1773.923+/-0.164 χ^2/NDF: 1224171.7/91

- sign 1778.934+/-0.232 χ^2/NDF: 462040.1/46



Right In: 154.867+/-207.344 χ^2/NDF: 18.6/20

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

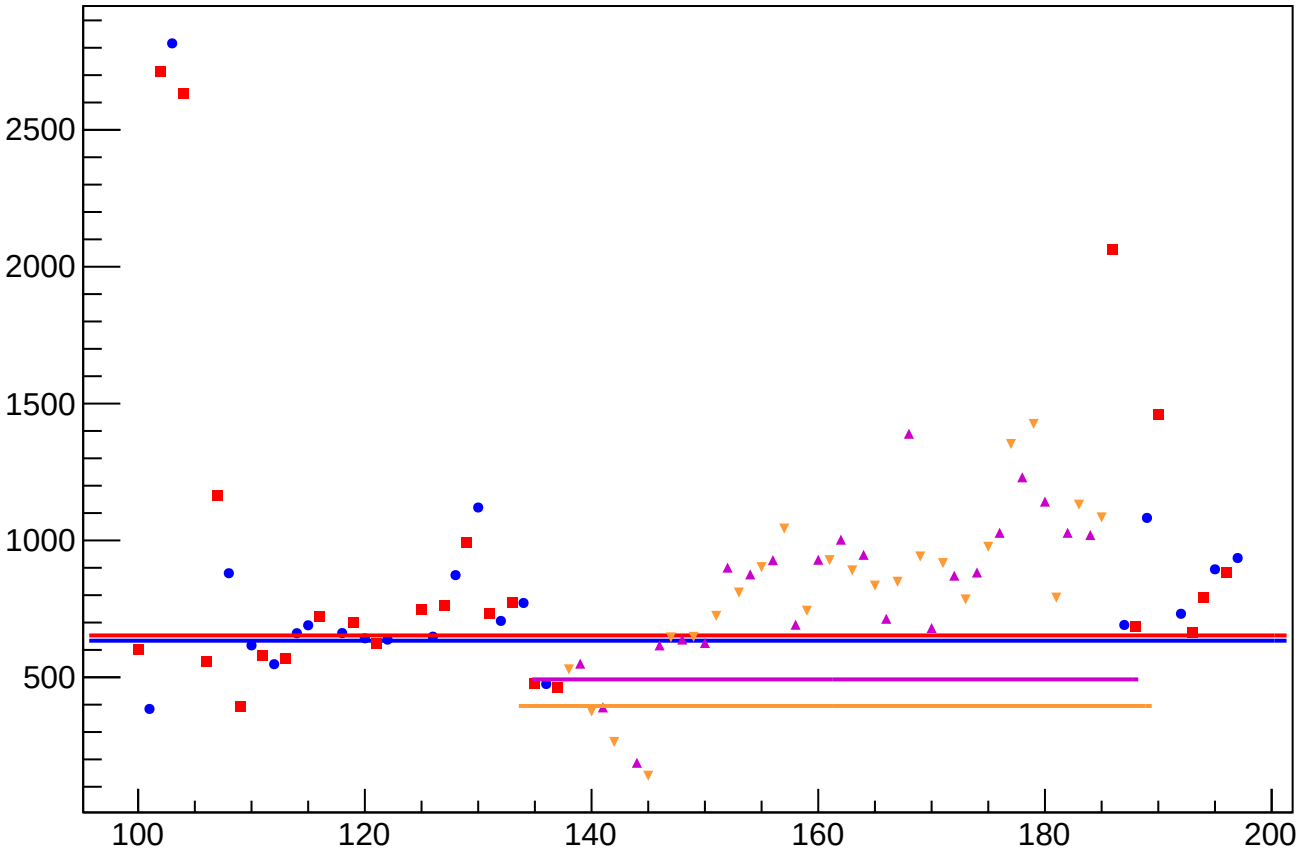
Right Out: 246.247+/-209.070 χ^2/NDF: 21.5/23

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 52.076+/-103.427 χ^2/NDF: 38.3/44

All: 23.782+/-76.804 χ^2/NDF: 78.6/91

- sign -11.002+/-114.677 χ^2/NDF: 40.1/46



Right In: 633.727+/-0.147 χ^2/NDF: 2383759.8/20

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

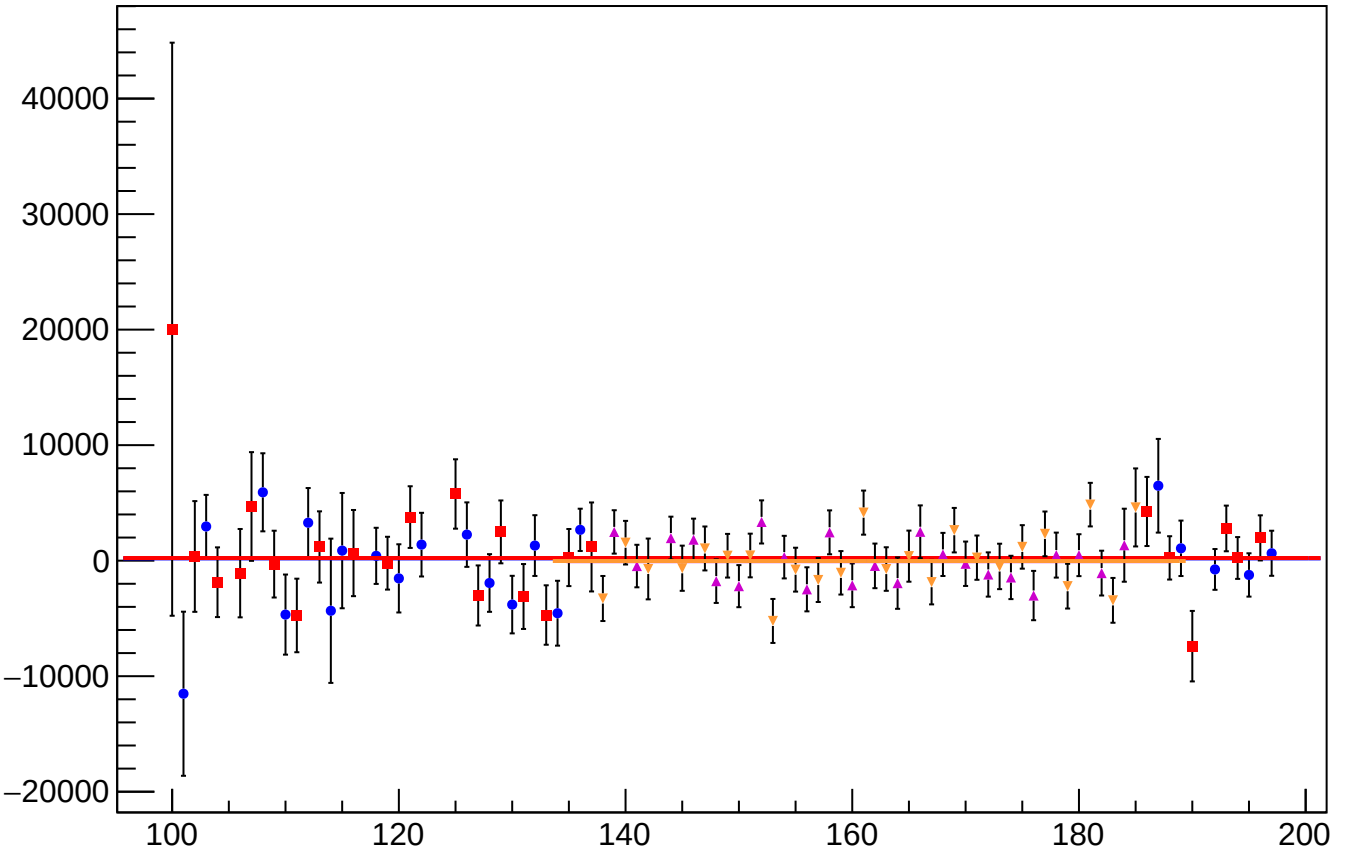
Right Out: 652.855+/-0.148 χ^2/NDF: 3015982.5/23

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 454.541+/-0.073 χ^2/NDF: 18706601.1/44

All: 493.144+/-0.054 χ^2/NDF: 33587895.8/91

- sign 540.601+/-0.081 χ^2/NDF: 14260165.4/46



Right In: 194.788+/-573.618 χ^2/NDF: 22.9/20

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 229.570+/-556.845 χ^2/NDF: 27.9/23

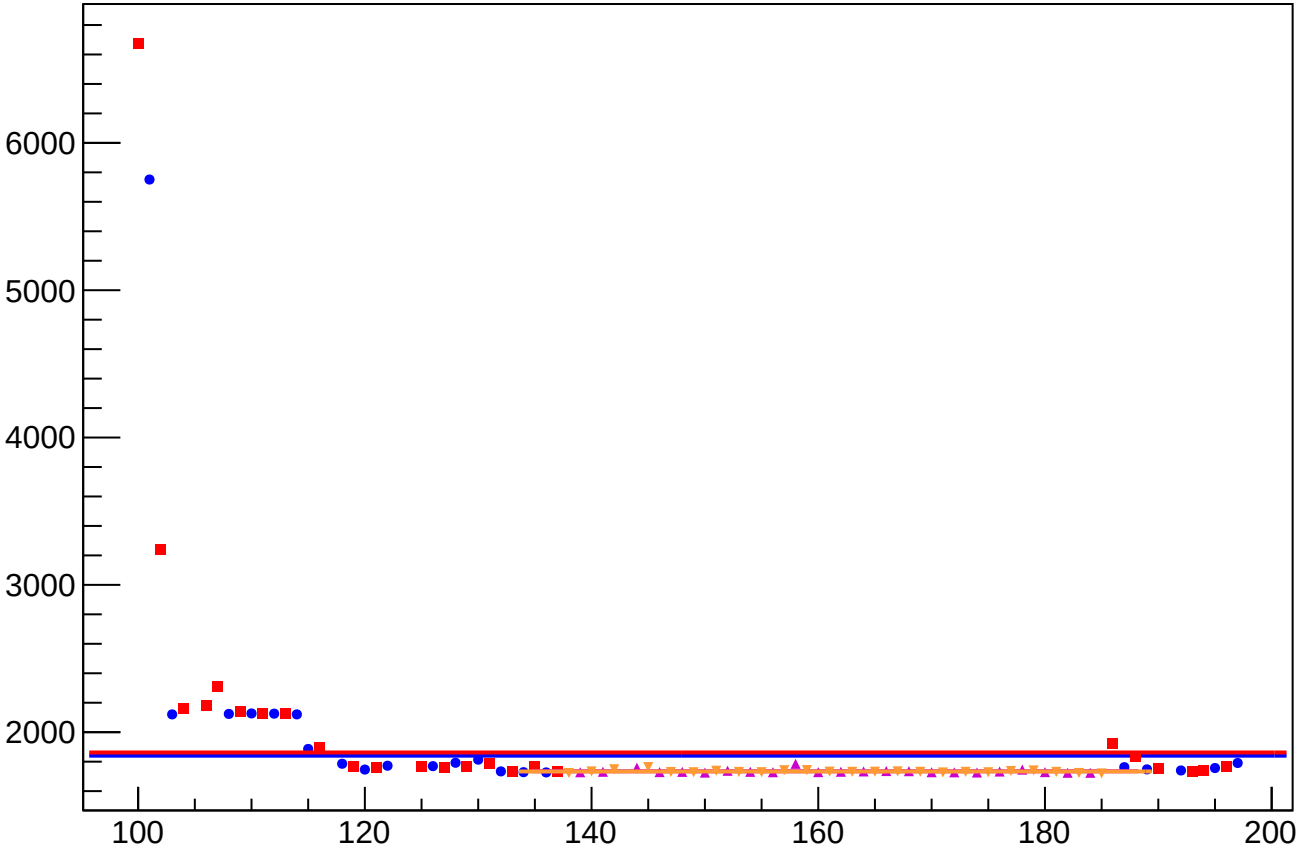
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 44.525+/-329.379 χ^2/NDF: 58.4/44

All: 48.116+/-232.260 χ^2/NDF: 106.3/91

- sign 51.667+/-327.559 χ^2/NDF: 47.9/46

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1840.777+/-0.406 χ^2/NDF: 713382.8/20

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

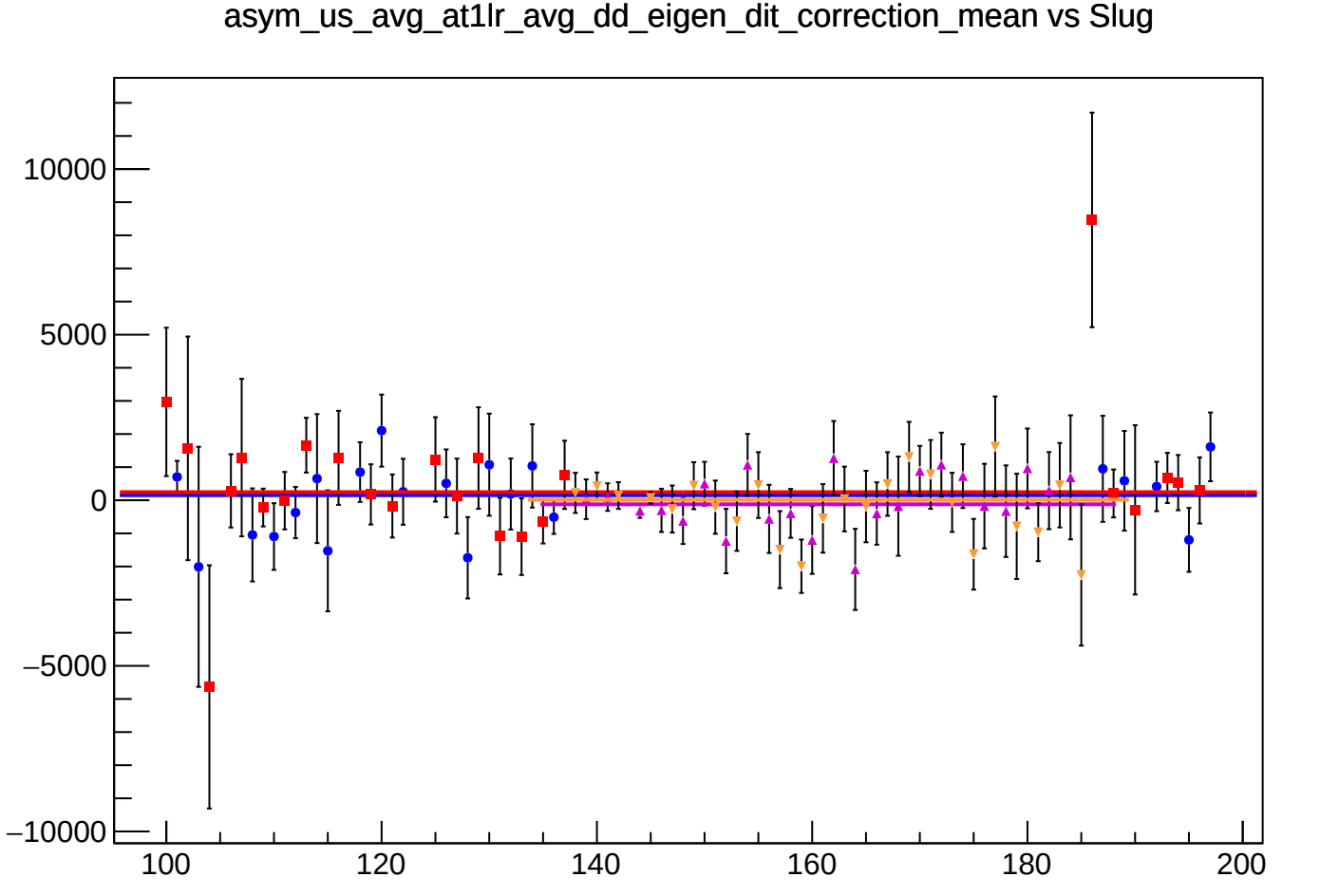
Right Out: 1862.324+/-0.394 χ^2/NDF: 391276.6/23

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.857+/-0.233 χ^2/NDF: 761190.2/44

All: 1773.923+/-0.164 χ^2/NDF: 1224170.5/91

- sign 1778.934+/-0.232 χ^2/NDF: 462039.2/46



Right In: 154.865+/-207.344 χ^2/NDF: 18.6/20

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

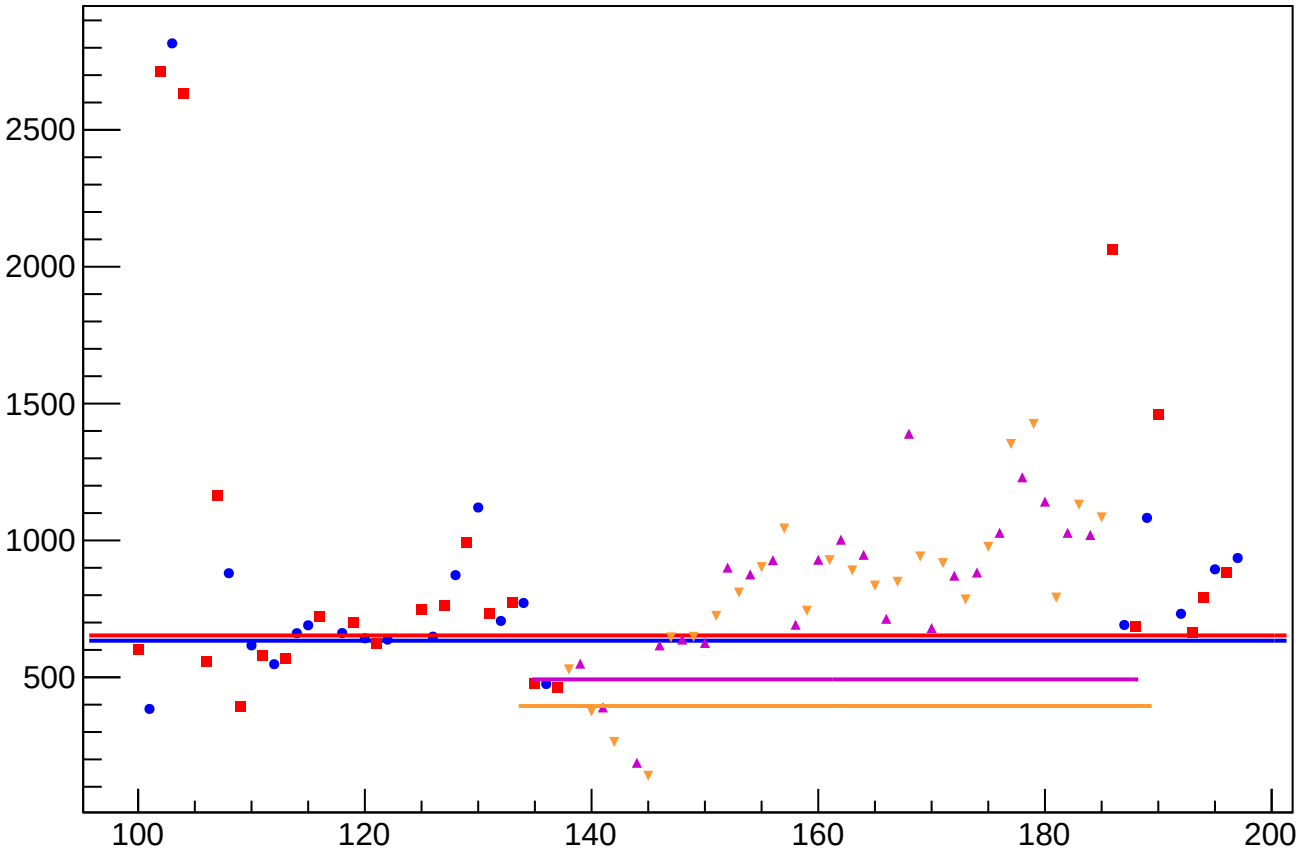
Right Out: 246.244+/-209.069 χ^2/NDF: 21.5/23

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 52.074+/-103.427 χ^2/NDF: 38.3/44

All: 23.781+/-76.804 χ^2/NDF: 78.6/91

- sign -11.003+/-114.677 χ^2/NDF: 40.1/46



Right In: 633.725+/-0.147 χ^2/NDF: 2383753.1/20

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 652.851+/-0.148 χ^2/NDF: 3016003.8/23

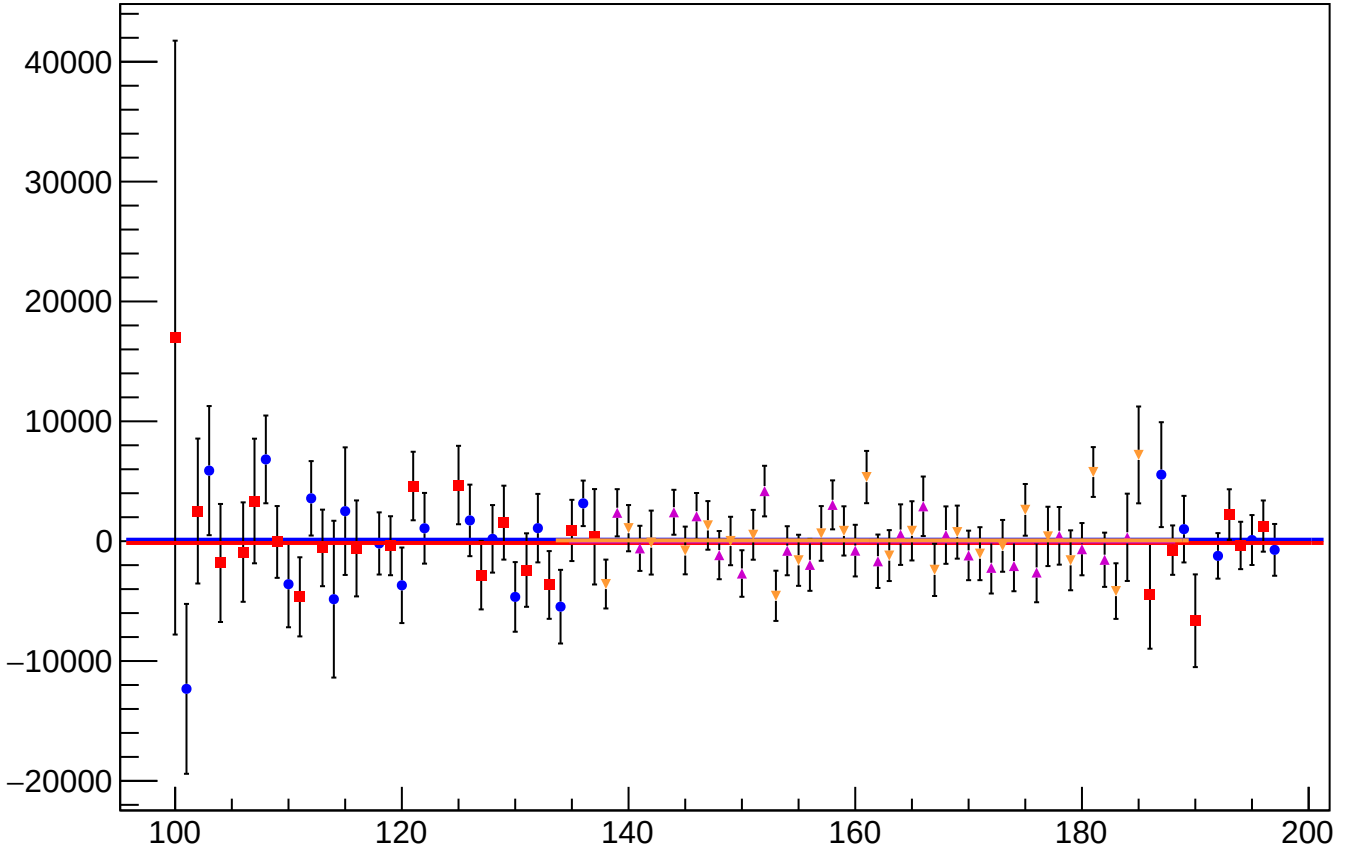
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 454.541+/-0.073 χ^2/NDF: 18706612.2/44

All: 493.144+/-0.054 χ^2/NDF: 33587905.2/91

- sign 540.601+/-0.081 χ^2/NDF: 14260166.0/46

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 122.012+/-632.578 χ^2/NDF: 23.5/20

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -149.285+/-615.842 χ^2/NDF: 17.1/23

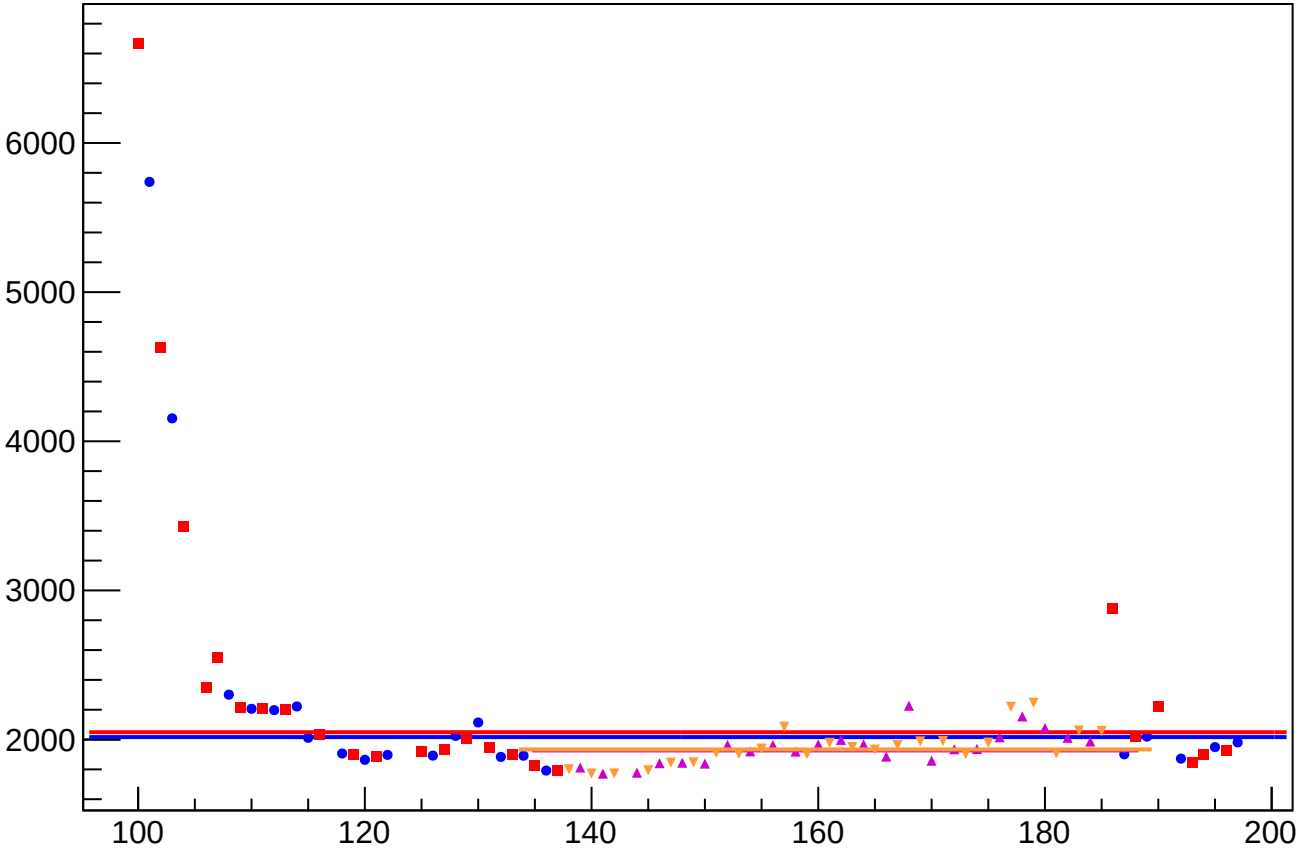
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 85.246+/-366.549 χ^2/NDF: 57.1/44

All: 7.664+/-258.188 χ^2/NDF: 94.3/91

- sign -68.730+/-363.734 χ^2/NDF: 37.1/46

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2016.483+/-0.447 χ^2/NDF: 961314.0/20

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

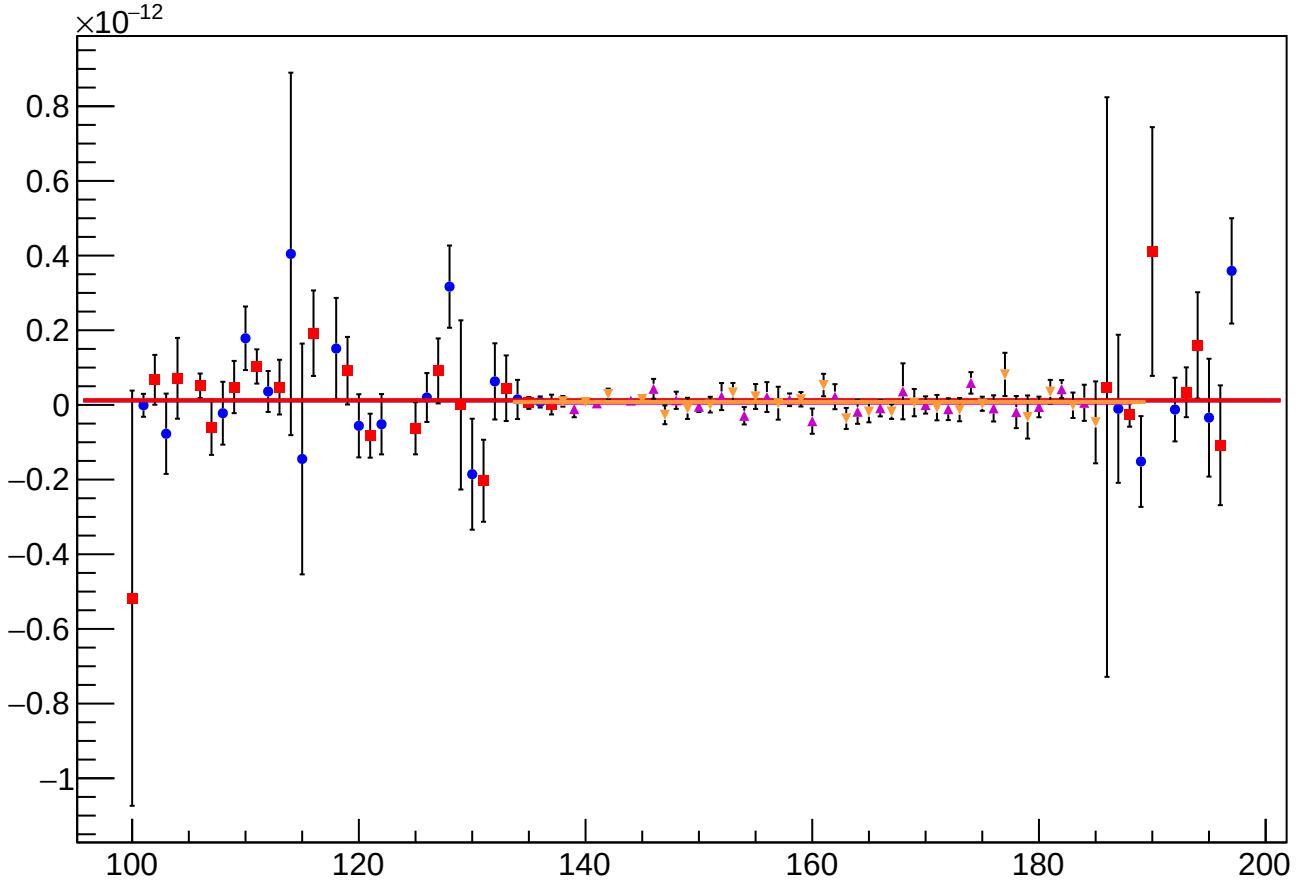
Right Out: 2049.249+/-0.435 χ^2/NDF: 795619.7/23

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1961.565+/-0.259 χ^2/NDF: 1112539.9/44

All: 1965.678+/-0.183 χ^2/NDF: 2076308.0/91

- sign 1969.727+/-0.257 χ^2/NDF: 963268.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

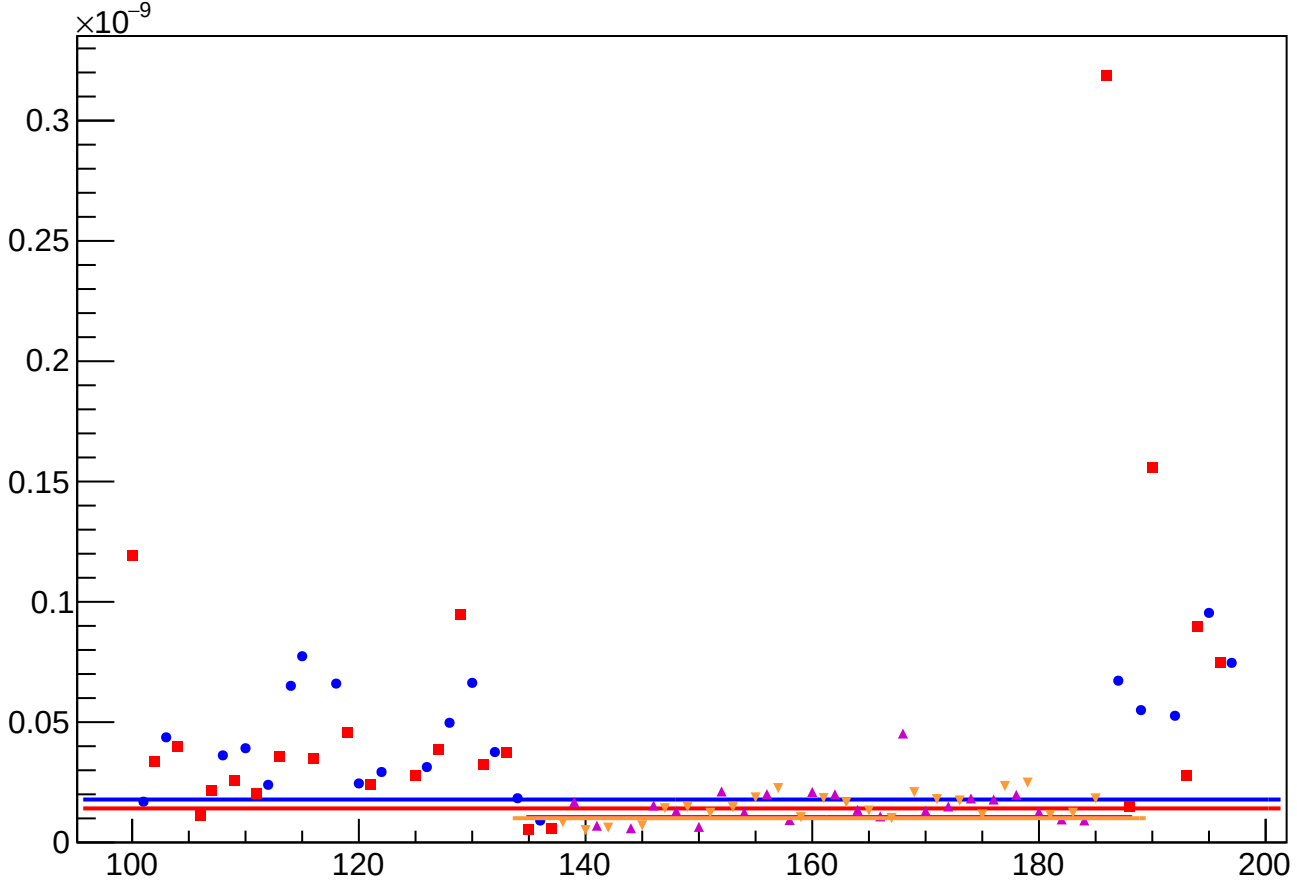
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/23

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/44

All: 0.000+/-0.000 χ^2/NDF: 86.1/91

- sign 0.000+/-0.000 χ^2/NDF: 42.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 3443295.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

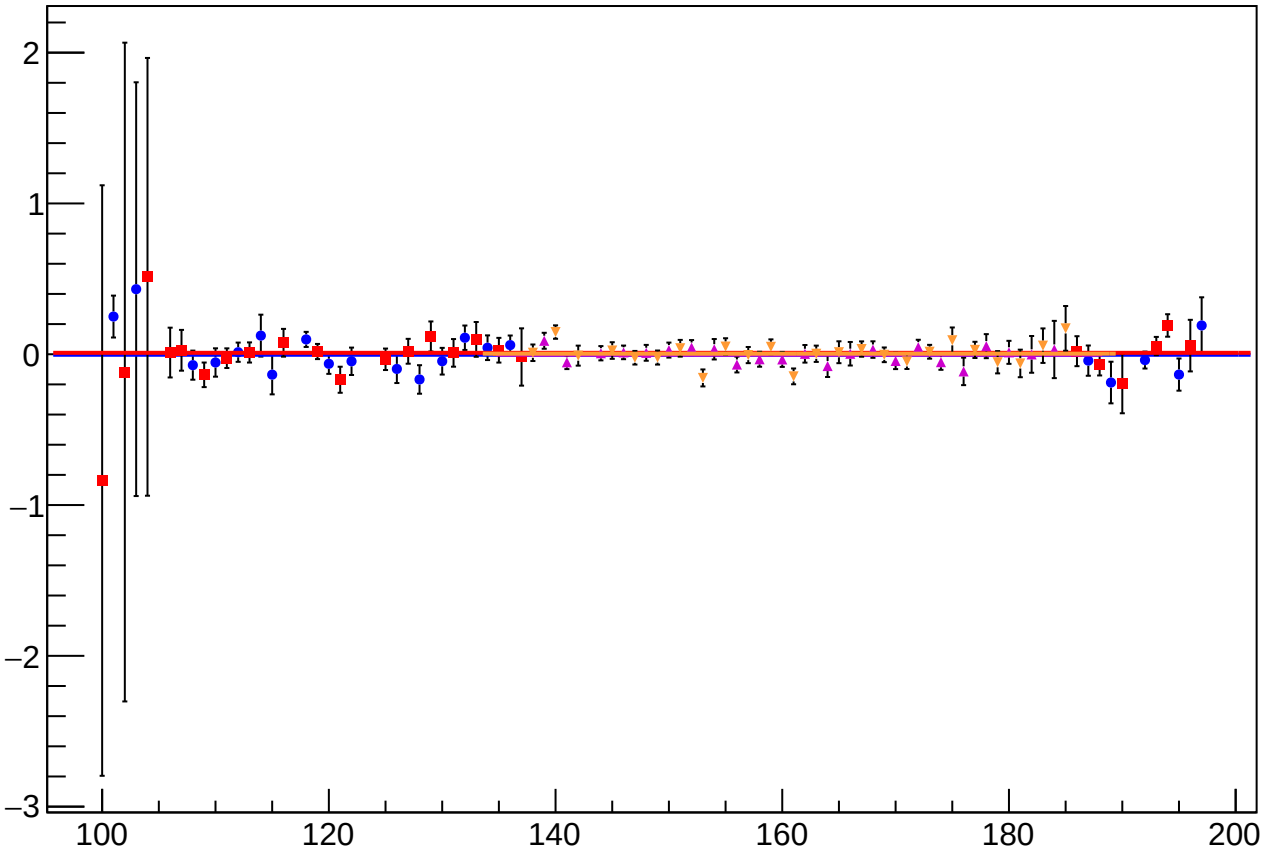
Right Out: 0.000+/-0.000 χ^2/NDF: 4124054.0/23

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6533210.8/44

All: 0.000+/-0.000 χ^2/NDF: 13448115.2/91

- sign 0.000+/-0.000 χ^2/NDF: 6914256.8/46



Right In: -0.003+/-0.019 χ^2/NDF: 23.8/20

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

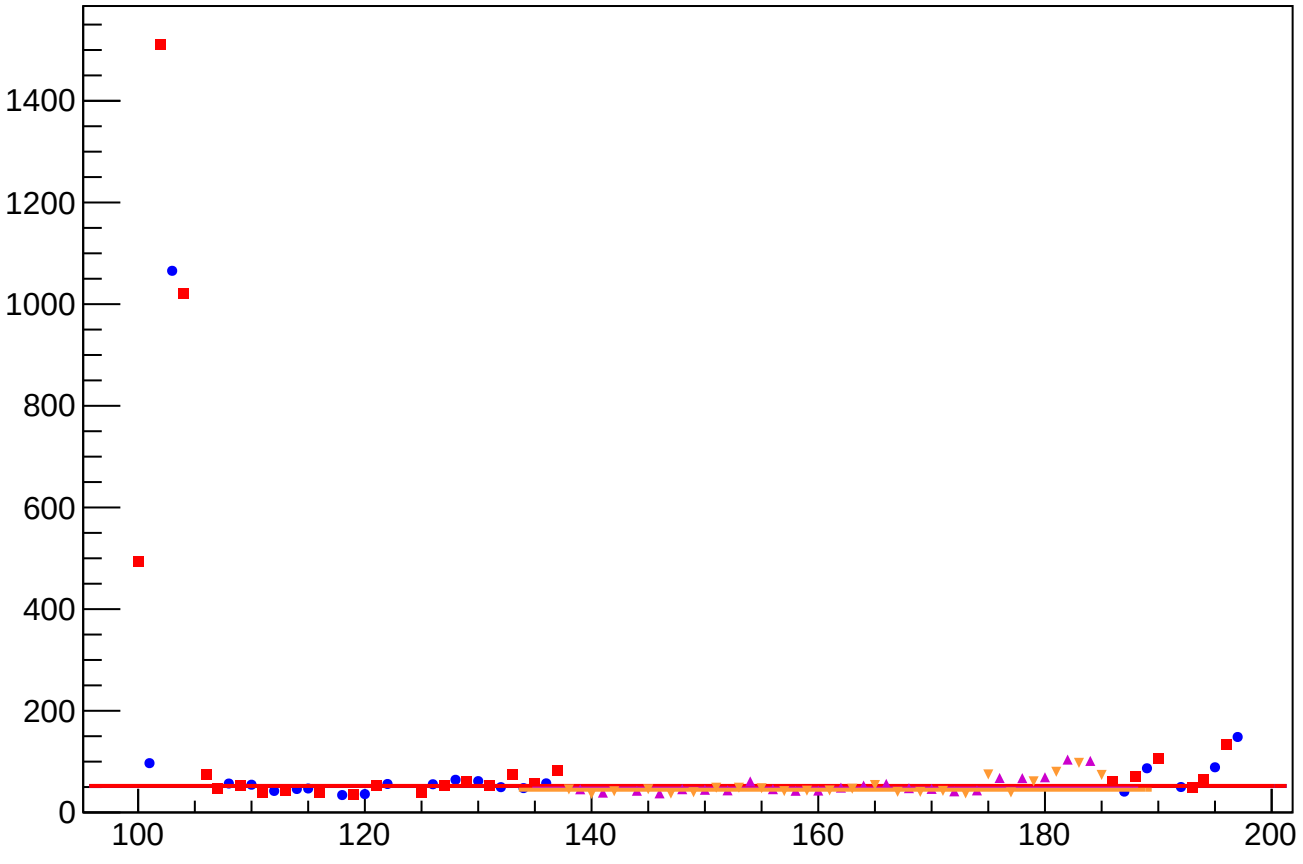
Right Out: 0.009+/-0.018 χ^2/NDF: 19.5/23

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 58.9/44

All: 0.001+/-0.007 χ^2/NDF: 93.2/91

- sign 0.001+/-0.010 χ^2/NDF: 34.3/46



Right In: 52.018+/-0.013 χ^2/NDF: 2736773.9/20

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

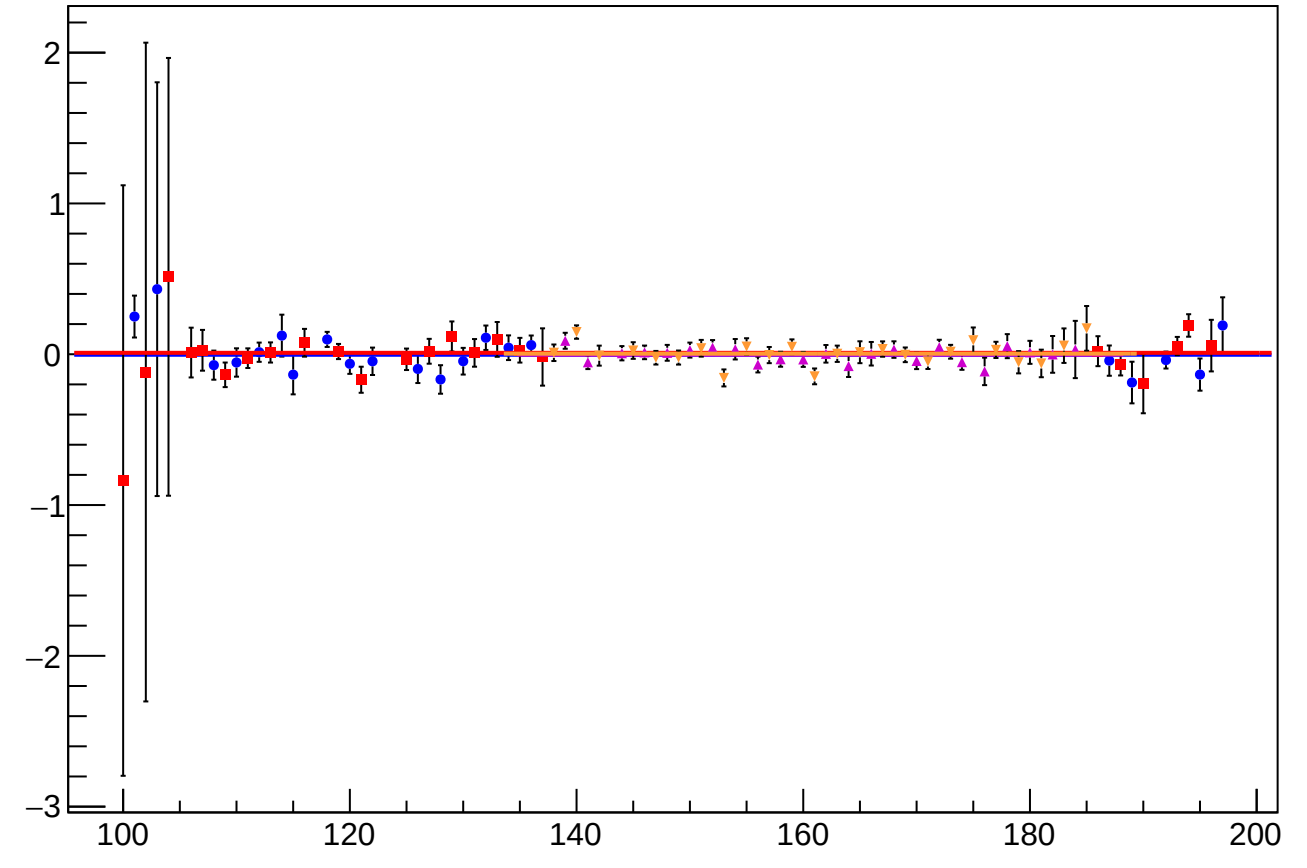
Right Out: 52.203+/-0.013 χ^2/NDF: 3308453.1/23

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 46.735+/-0.007 χ^2/NDF: 4438531.9/44

All: 47.630+/-0.005 χ^2/NDF: 9275361.9/91

- sign 48.566+/-0.007 χ^2/NDF: 4802687.1/46



Right In: -0.003+/-0.019 χ^2/NDF: 23.8/20

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

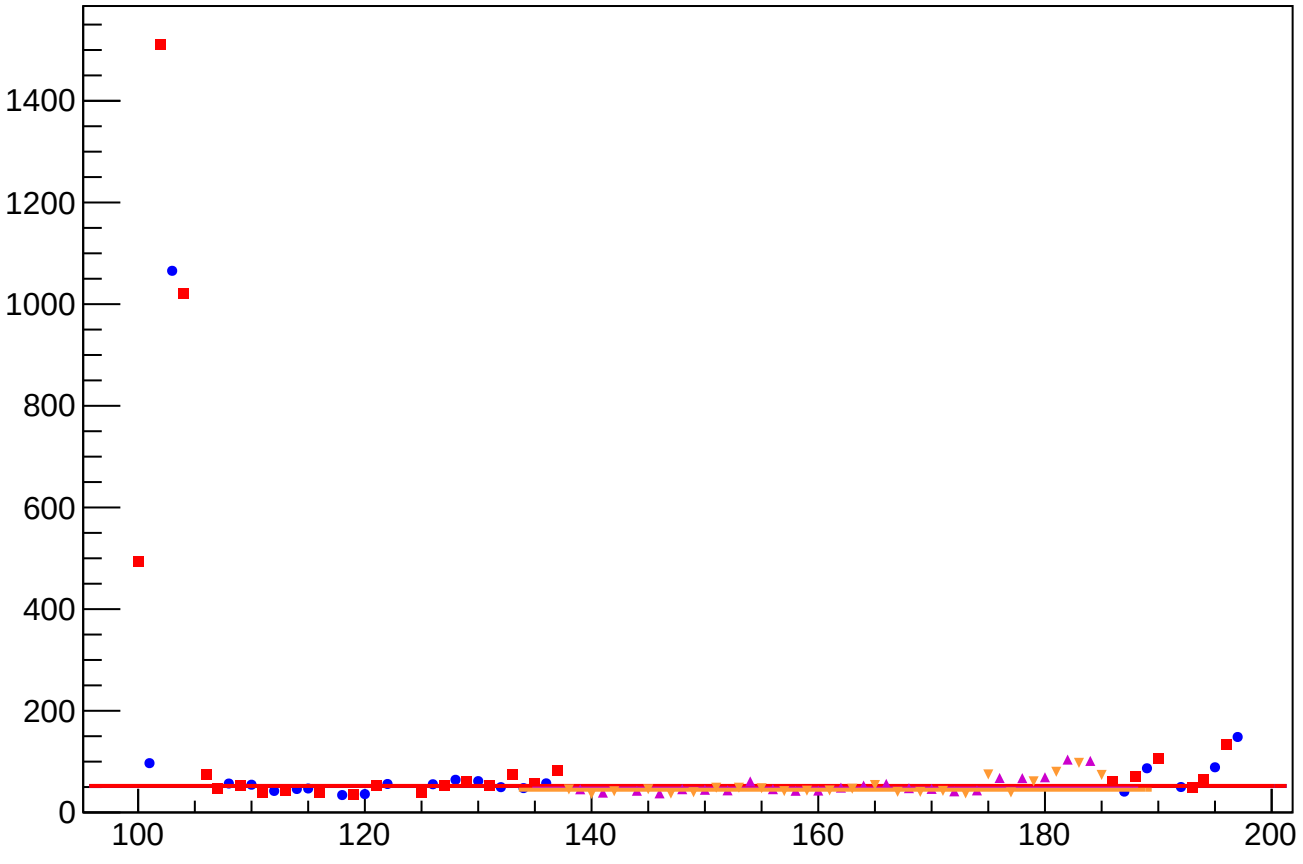
Right Out: 0.009+/-0.018 χ^2/NDF: 19.5/23

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

\+ sign 0.002+/-0.010 χ^2/NDF: 58.9/44

All: 0.001+/-0.007 χ^2/NDF: 93.2/91

\- sign 0.001+/-0.010 χ^2/NDF: 34.3/46



Right In: 52.018+/-0.013 χ^2/NDF: 2736773.9/20

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

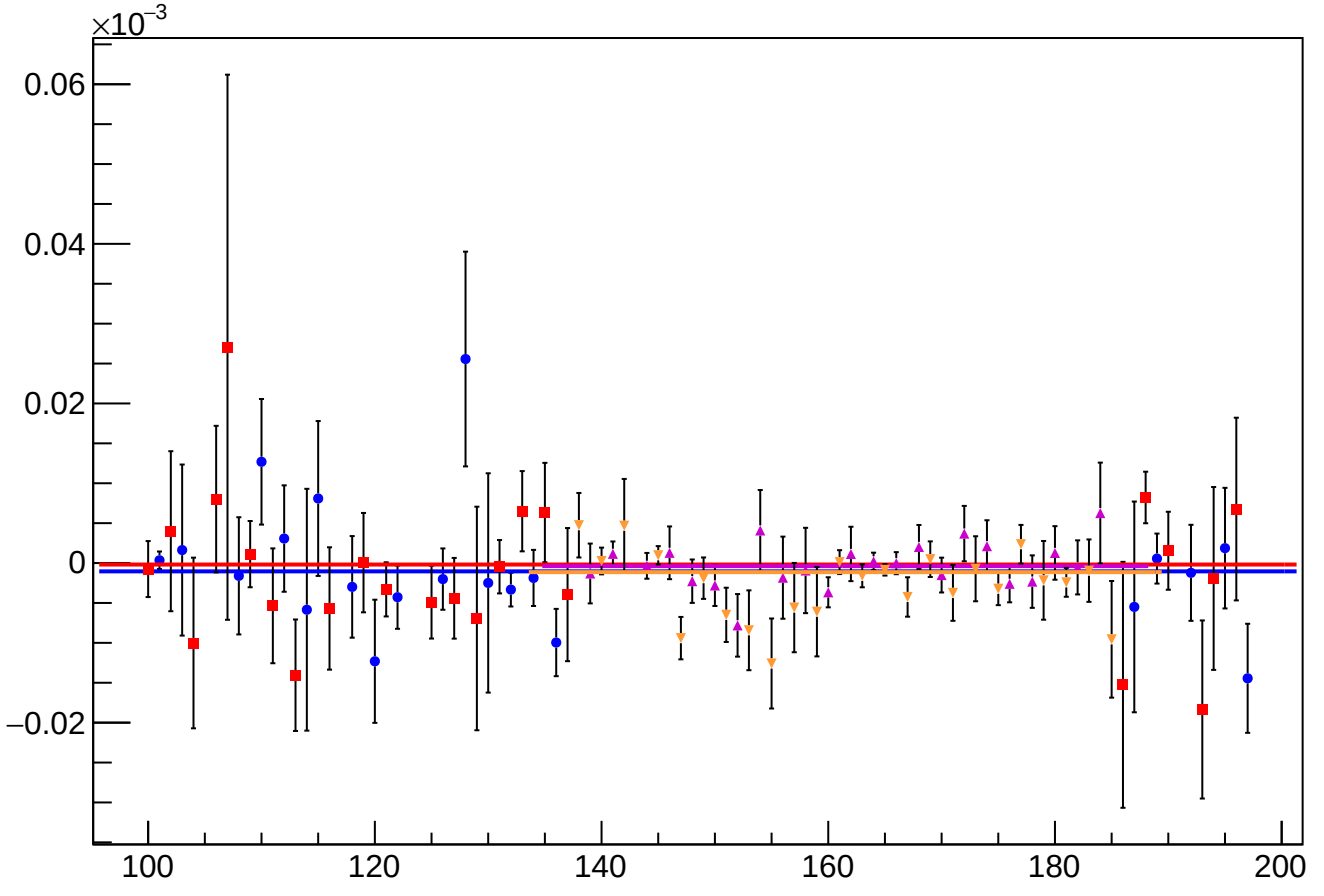
Right Out: 52.203+/-0.013 χ^2/NDF: 3308453.1/23

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 46.735+/-0.007 χ^2/NDF: 4438531.9/44

All: 47.630+/-0.005 χ^2/NDF: 9275361.9/91

- sign 48.566+/-0.007 χ^2/NDF: 4802687.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

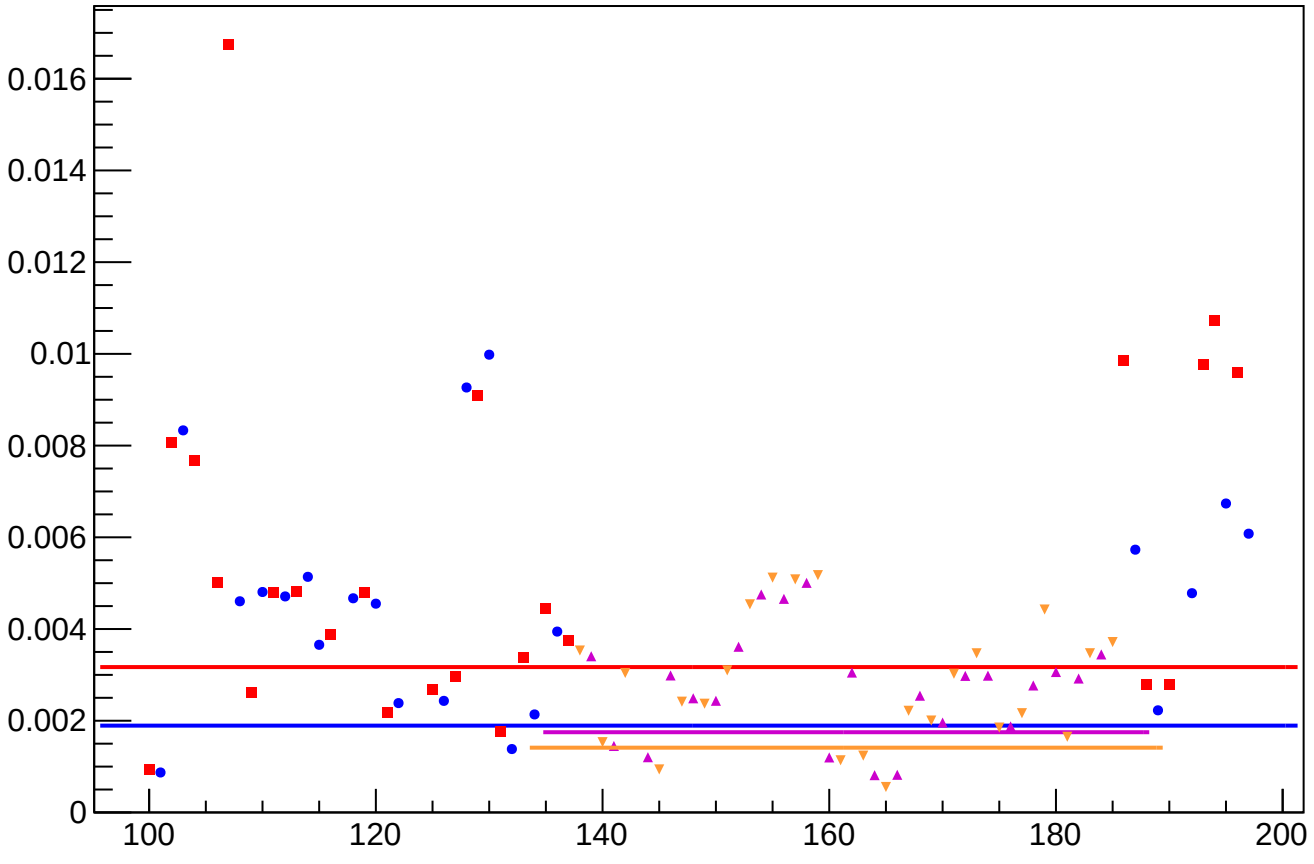
Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/23

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.8/44

All: -0.000+/-0.000 χ^2/NDF: 101.2/91

- sign -0.000+/-0.000 χ^2/NDF: 40.7/46



Right In: 0.002+/-0.000 χ^2/NDF: 8317300.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

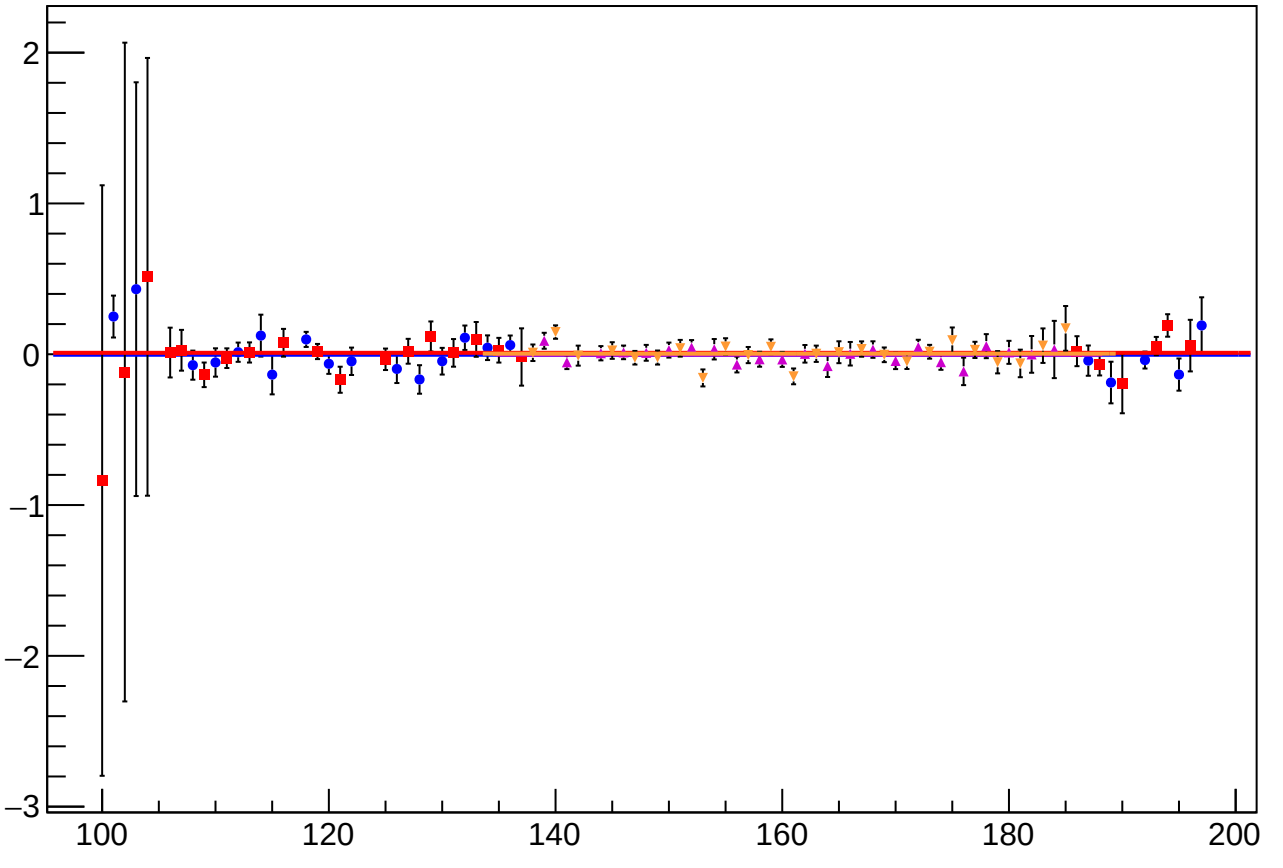
Right Out: 0.003+/-0.000 χ^2/NDF: 6051983.6/23

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 20494467.8/44

All: 0.002+/-0.000 χ^2/NDF: 38632821.7/91

- sign 0.002+/-0.000 χ^2/NDF: 16902557.3/46



Right In: -0.003+/-0.019 χ^2/NDF: 23.8/20

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

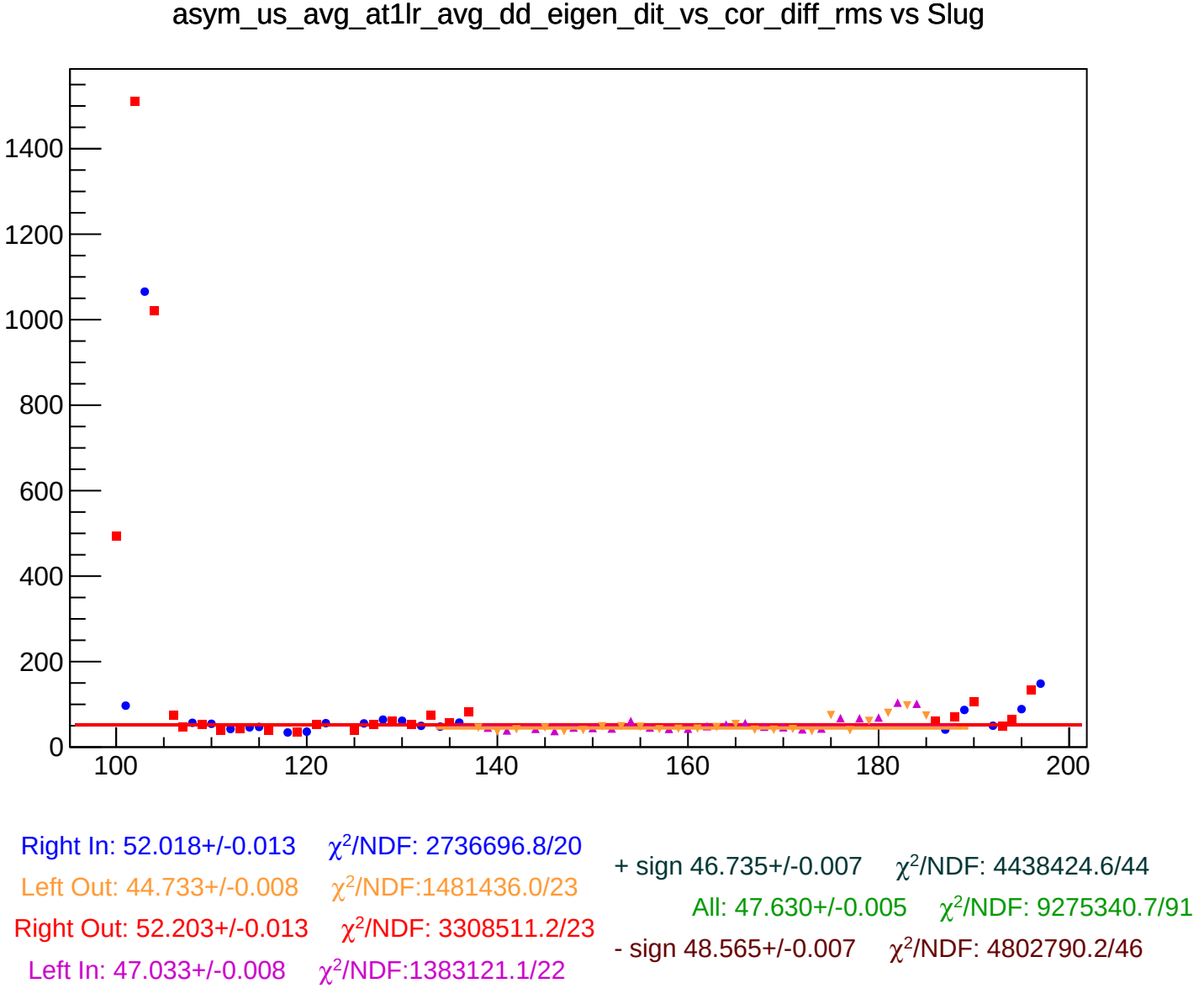
Right Out: 0.009+/-0.018 χ^2/NDF: 19.5/23

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

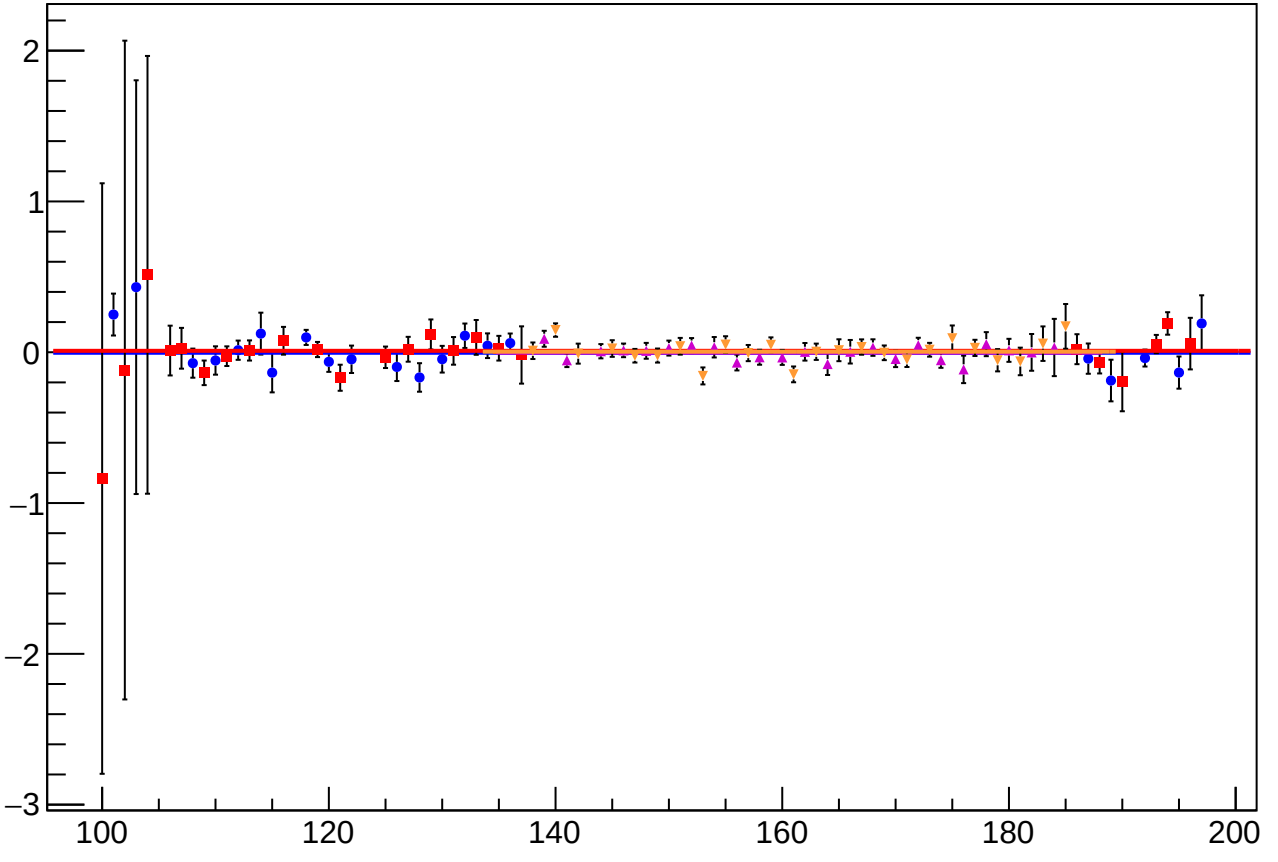
+ sign 0.002+/-0.010 χ^2/NDF: 58.9/44

All: 0.001+/-0.007 χ^2/NDF: 93.2/91

- sign 0.001+/-0.010 χ^2/NDF: 34.3/46


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
200
Right In: 52.018+/-0.013 χ²/NDF: 2736696.8/20
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 52.203+/-0.013 χ²/NDF: 3308511.2/23
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 46.735+/-0.007 χ²/NDF: 4438424.6/44
All: 47.630+/-0.005 χ²/NDF: 9275340.7/91
- sign 48.565+/-0.007 χ²/NDF: 4802790.2/46

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.019 χ^2/NDF: 23.8/20

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

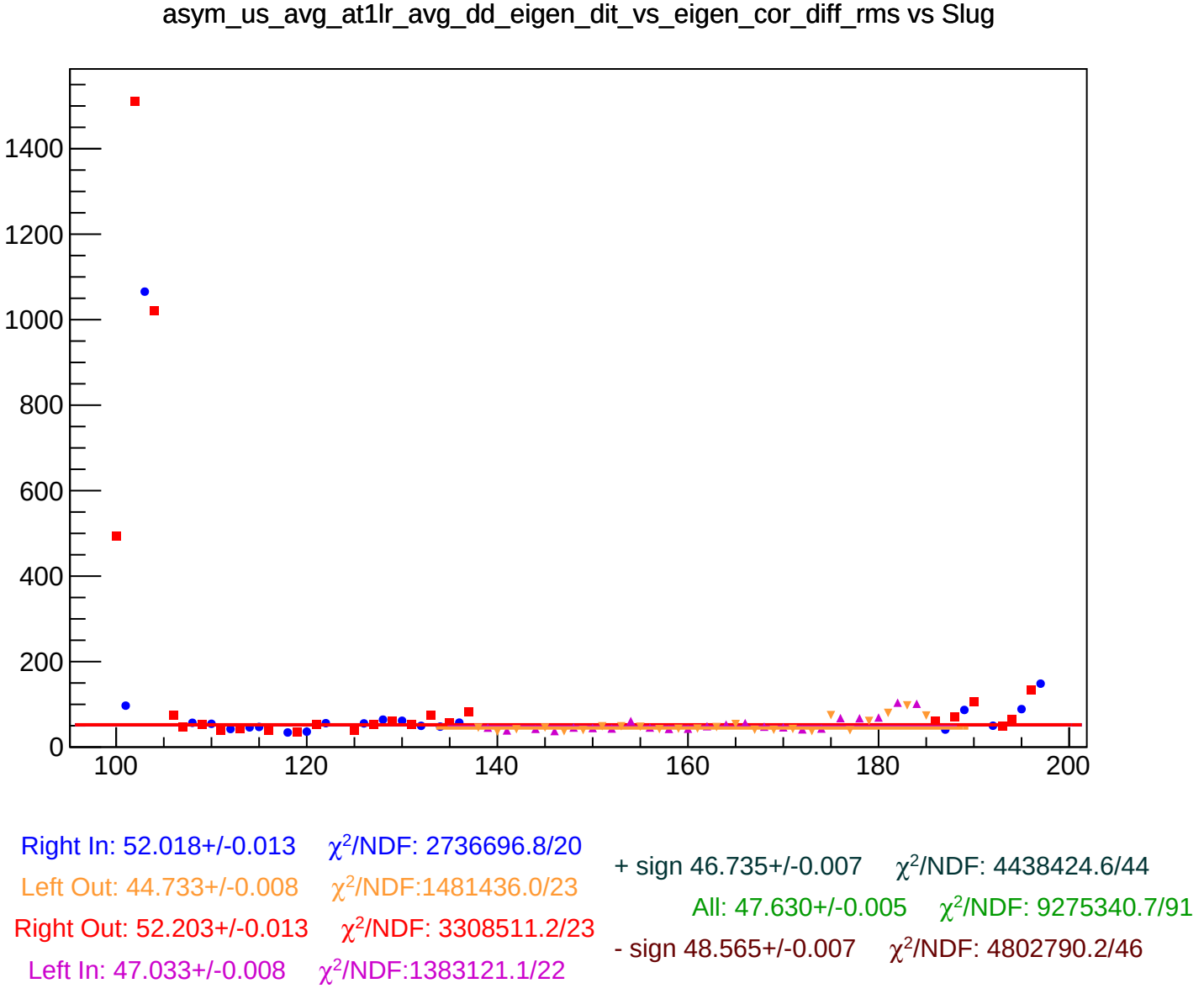
Right Out: 0.009+/-0.018 χ^2/NDF: 19.5/23

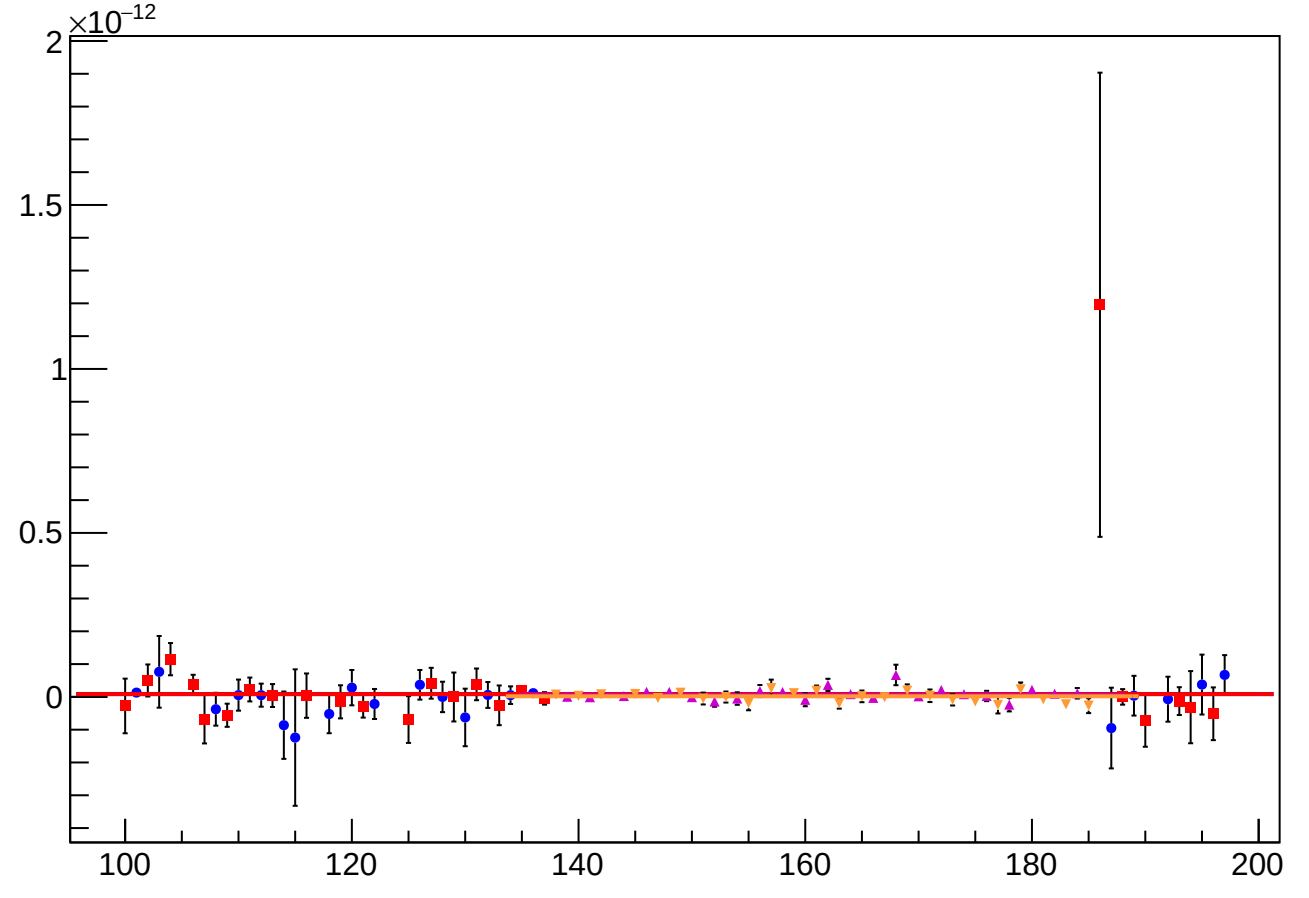
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 58.9/44

All: 0.001+/-0.007 χ^2/NDF: 93.2/91

- sign 0.001+/-0.010 χ^2/NDF: 34.3/46


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
200
Right In: 52.018+/-0.013 χ²/NDF: 2736696.8/20
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 52.203+/-0.013 χ²/NDF: 3308511.2/23
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 46.735+/-0.007 χ²/NDF: 4438424.6/44
All: 47.630+/-0.005 χ²/NDF: 9275340.7/91
- sign 48.565+/-0.007 χ²/NDF: 4802790.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 7.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

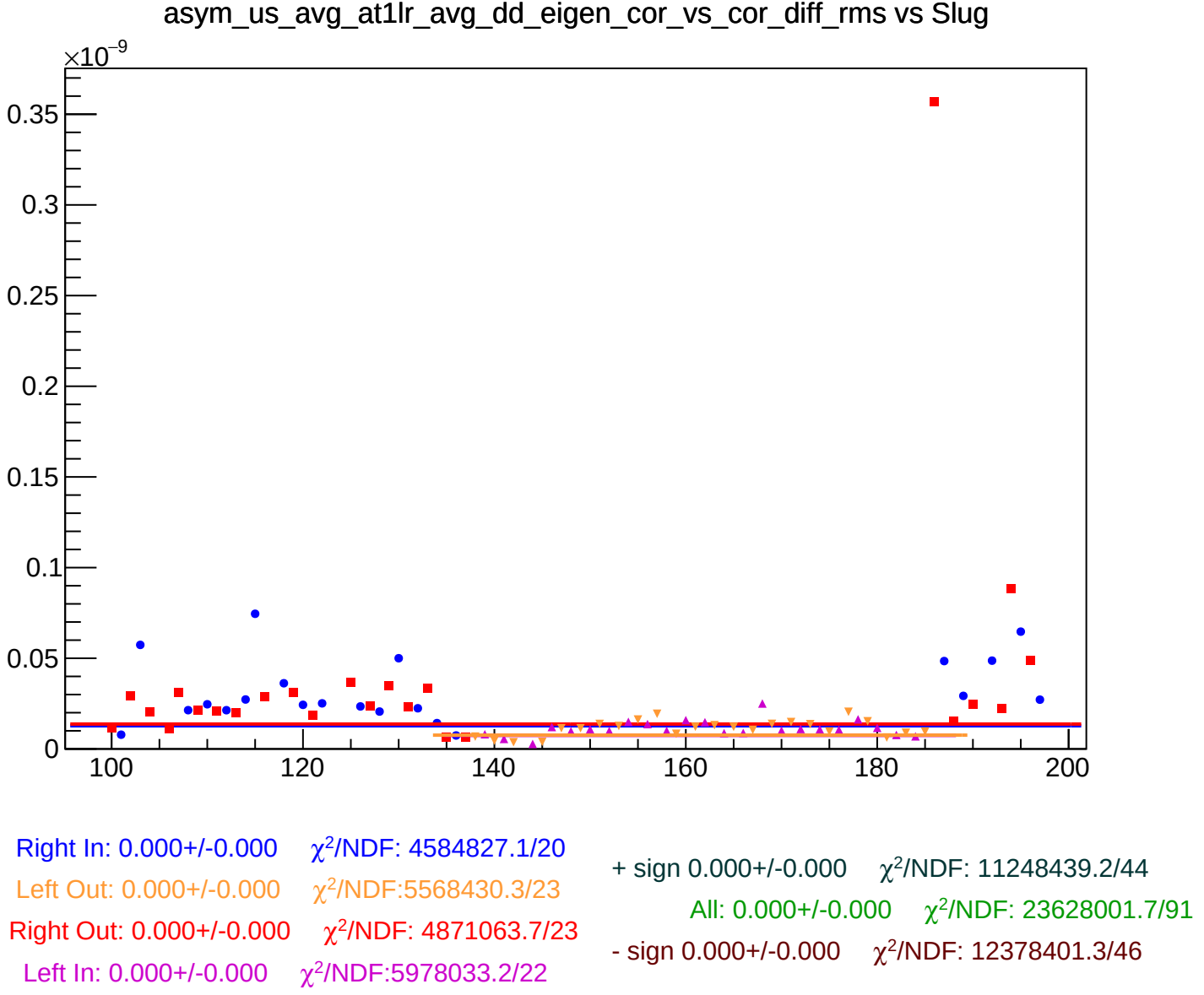
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/23

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

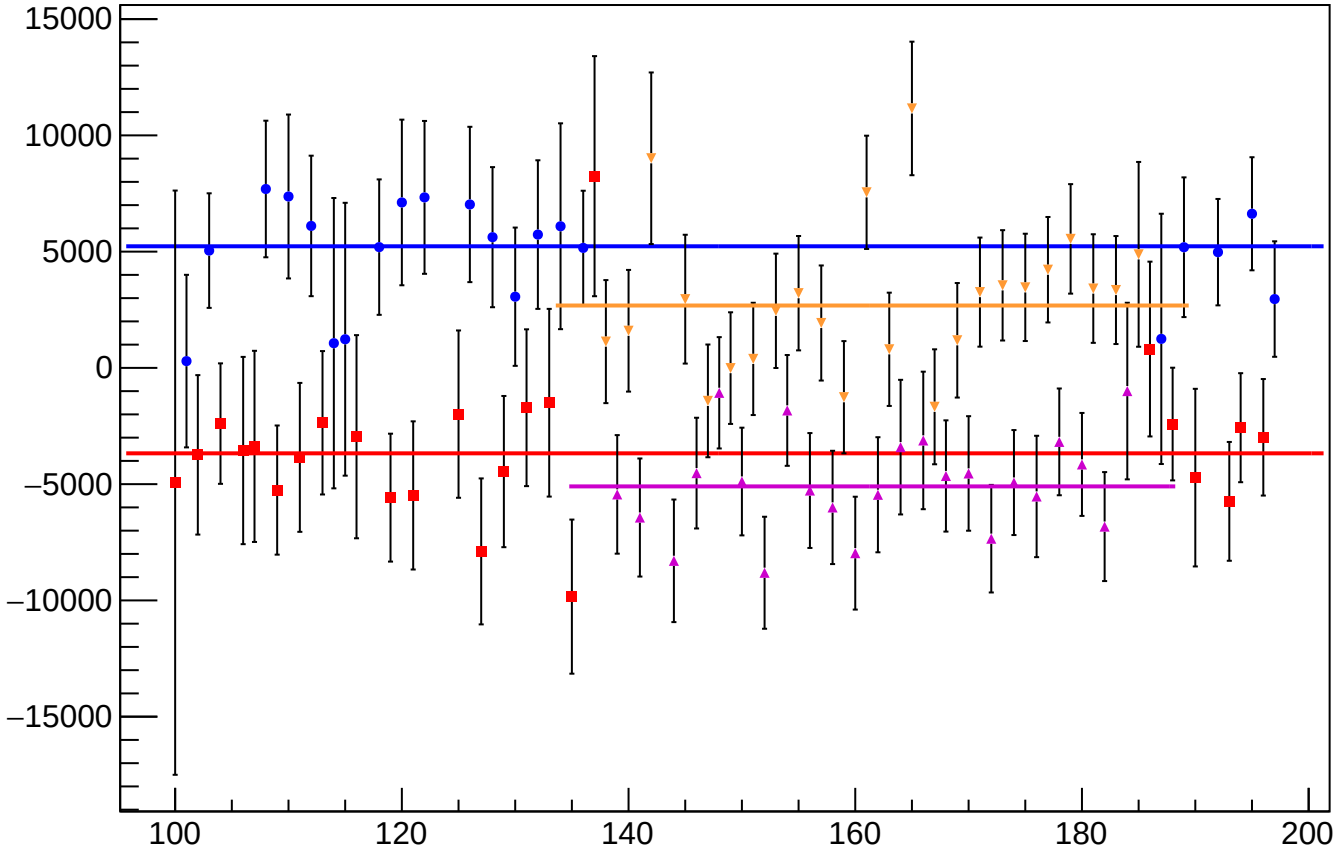
+ sign 0.000+/-0.000 χ^2/NDF: 28.8/44

All: 0.000+/-0.000 χ^2/NDF: 68.9/91

- sign 0.000+/-0.000 χ^2/NDF: 39.3/46


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4584827.1/20
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 4871063.7/23
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11248439.2/44
All: 0.000+/-0.000 χ²/NDF: 23628001.7/91
- sign 0.000+/-0.000 χ²/NDF: 12378401.3/46

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5229.957+/-676.942 χ^2/NDF: 7.2/20

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3674.446+/-654.857 χ^2/NDF: 15.8/23

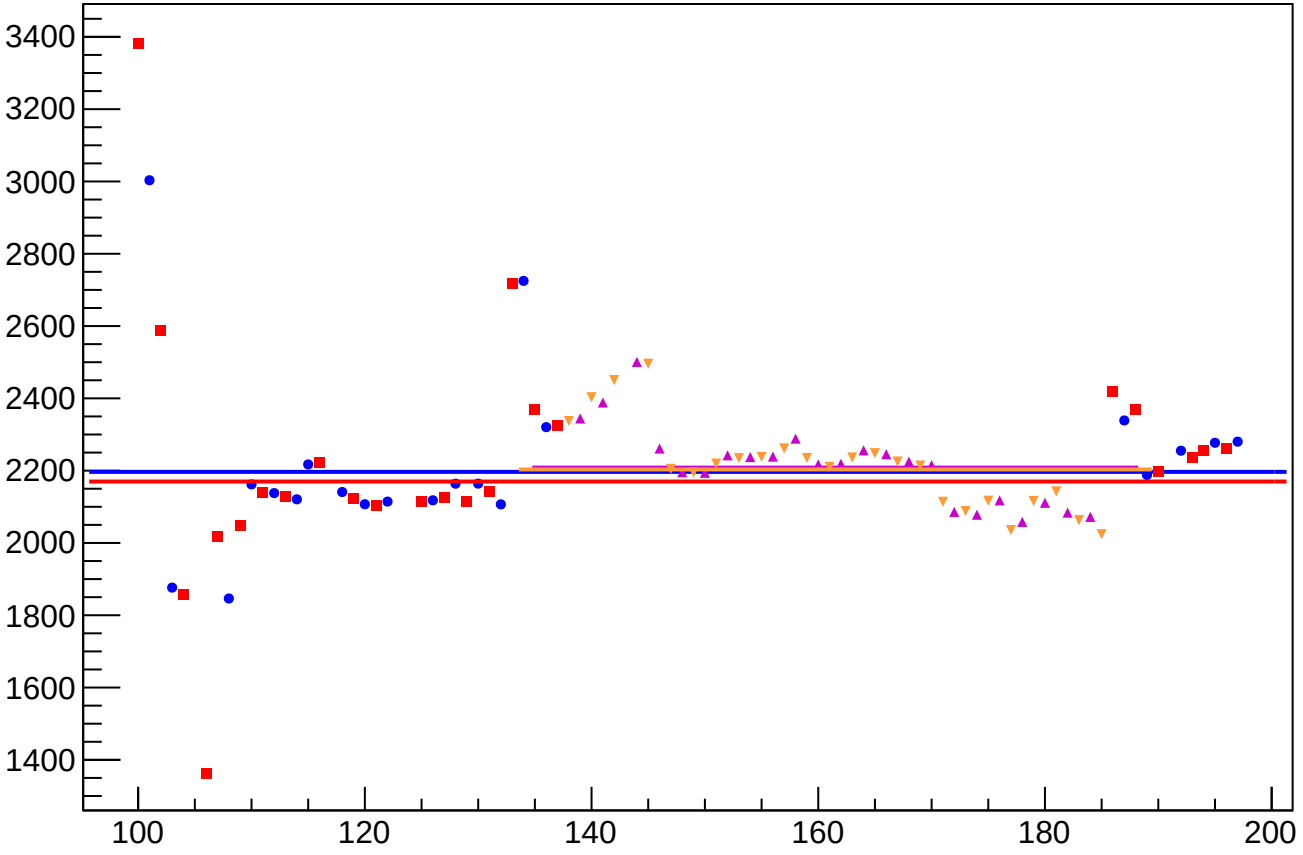
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3609.774+/-408.364 χ^2/NDF: 47.0/44

All: -500.448+/-287.707 χ^2/NDF: 281.8/91

- sign -4551.435+/-405.410 χ^2/NDF: 33.6/46

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2196.644+/-0.479 χ^2/NDF: 205201.0/20

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

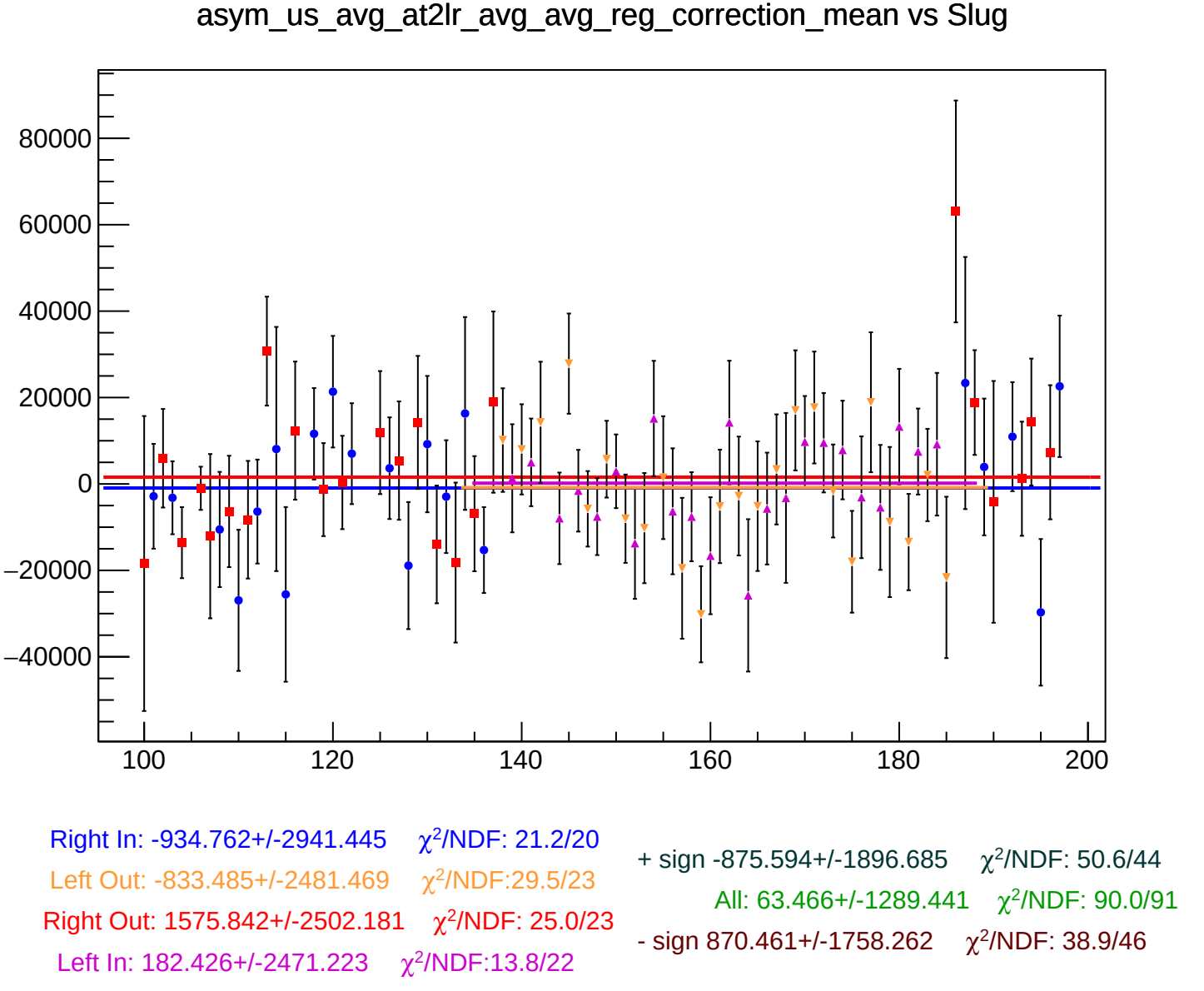
Right Out: 2169.906+/-0.458 χ^2/NDF: 307621.6/23

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

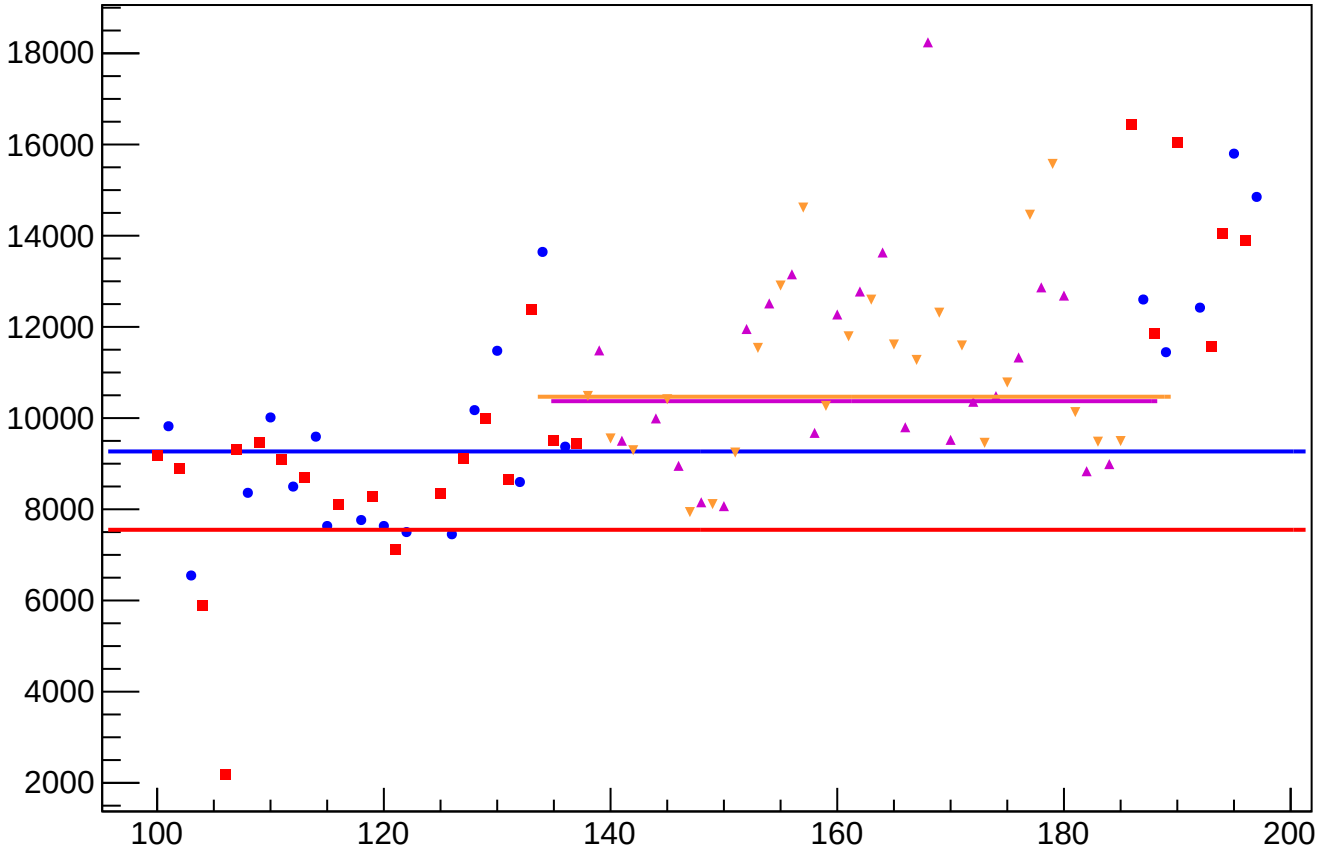
+ sign 2200.876+/-0.289 χ^2/NDF: 293532.2/44

All: 2197.116+/-0.203 χ^2/NDF: 686796.4/91

- sign 2193.441+/-0.286 χ^2/NDF: 392929.0/46


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: -934.762+/-2941.445 χ²/NDF: 21.2/20
Left Out: -833.485+/-2481.469 χ²/NDF:29.5/23
Right Out: 1575.842+/-2502.181 χ²/NDF: 25.0/23
Left In: 182.426+/-2471.223 χ²/NDF:13.8/22
+ sign -875.594+/-1896.685 χ²/NDF: 50.6/44
All: 63.466+/-1289.441 χ²/NDF: 90.0/91
- sign 870.461+/-1758.262 χ²/NDF: 38.9/46

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 9268.541+/-2.080 χ^2/NDF: 1259588.3/20

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 7550.204+/-1.769 χ^2/NDF: 4416809.2/23

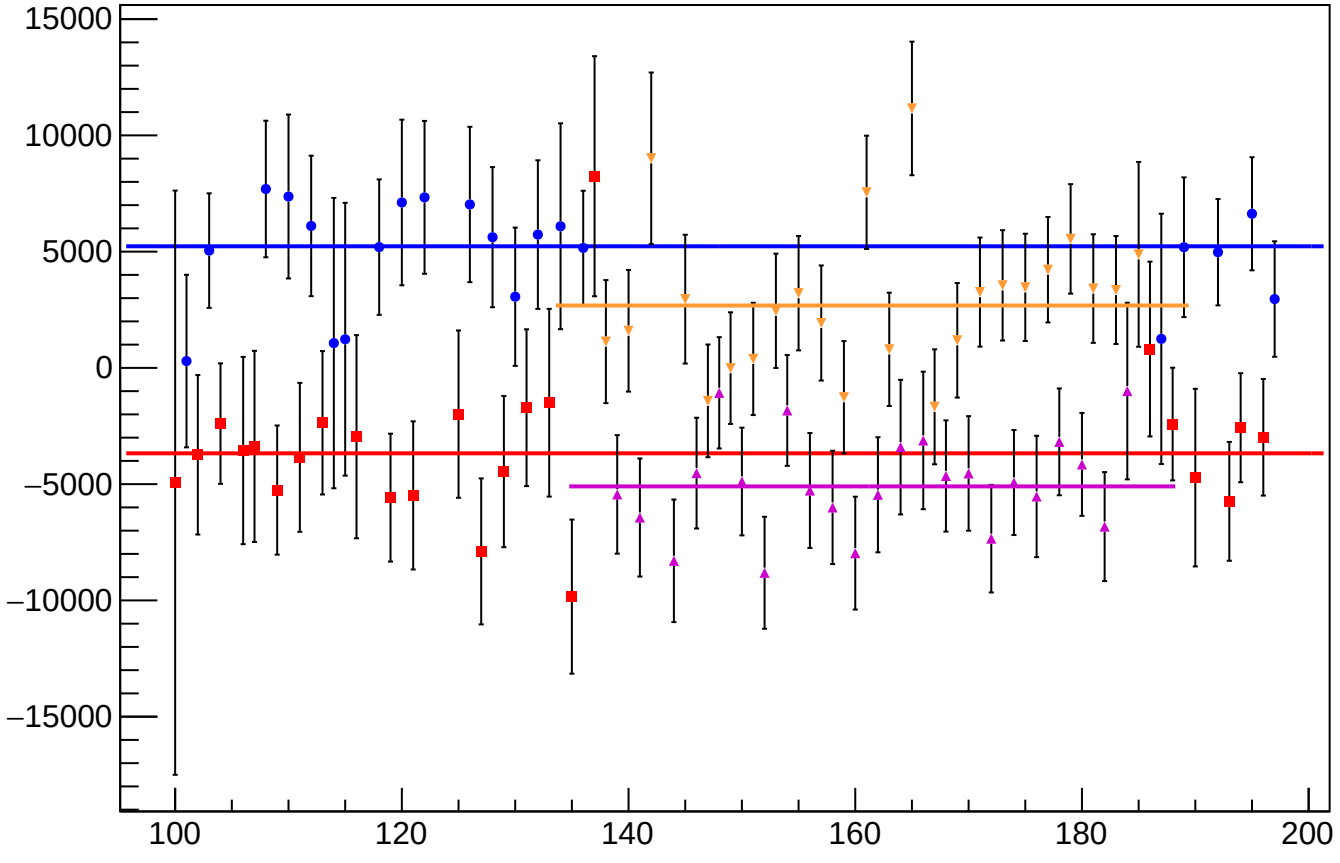
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 9969.678+/-1.341 χ^2/NDF: 2499355.6/44

All: 9436.393+/-0.912 χ^2/NDF: 9700515.9/91

- sign 8978.107+/-1.243 χ^2/NDF: 6907176.6/46

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5230.097+/-676.942 χ^2/NDF: 7.2/20

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3674.275+/-654.857 χ^2/NDF: 15.8/23

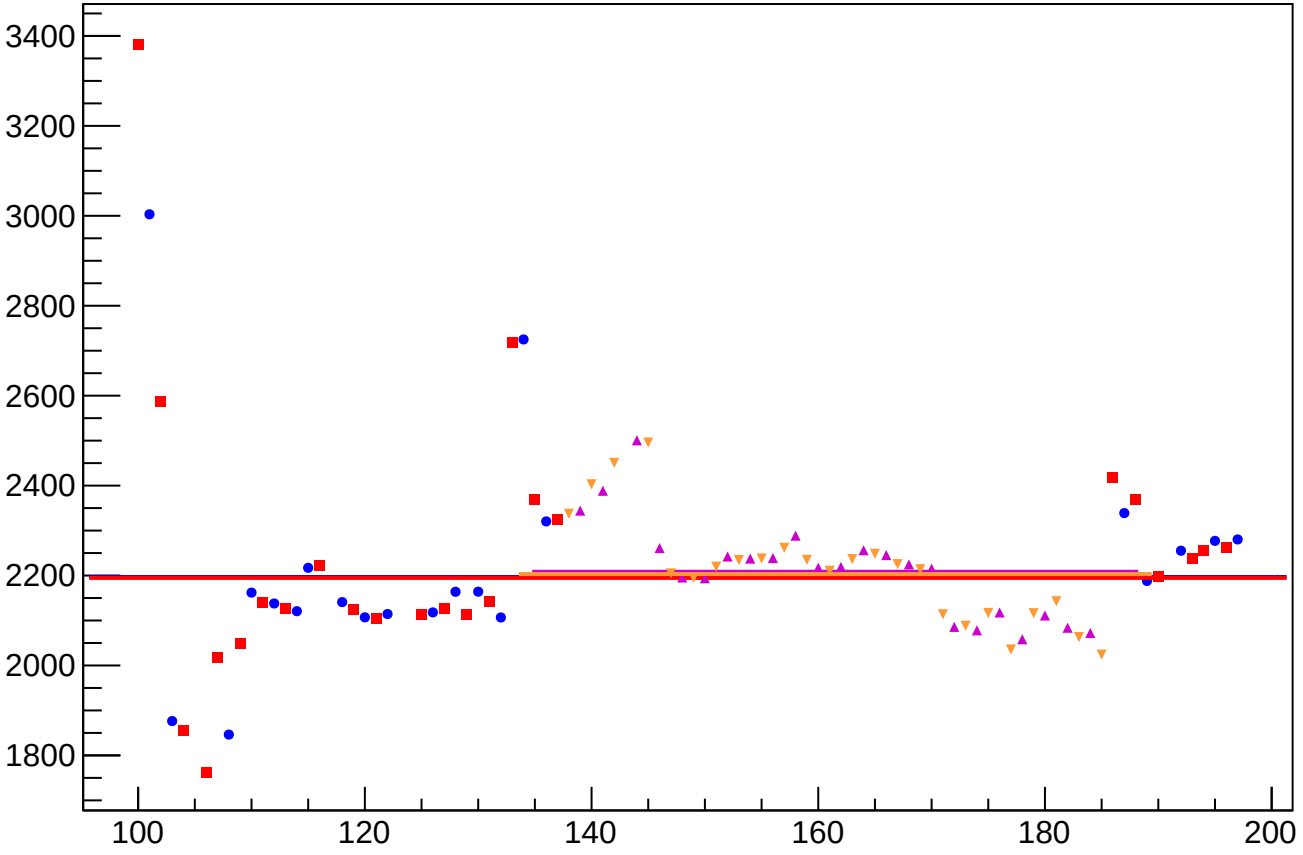
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3609.775+/-408.364 χ^2/NDF: 47.0/44

All: -500.385+/-287.707 χ^2/NDF: 281.8/91

- sign -4551.311+/-405.410 χ^2/NDF: 33.6/46

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2196.644+/-0.479 χ^2/NDF: 205201.4/20

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

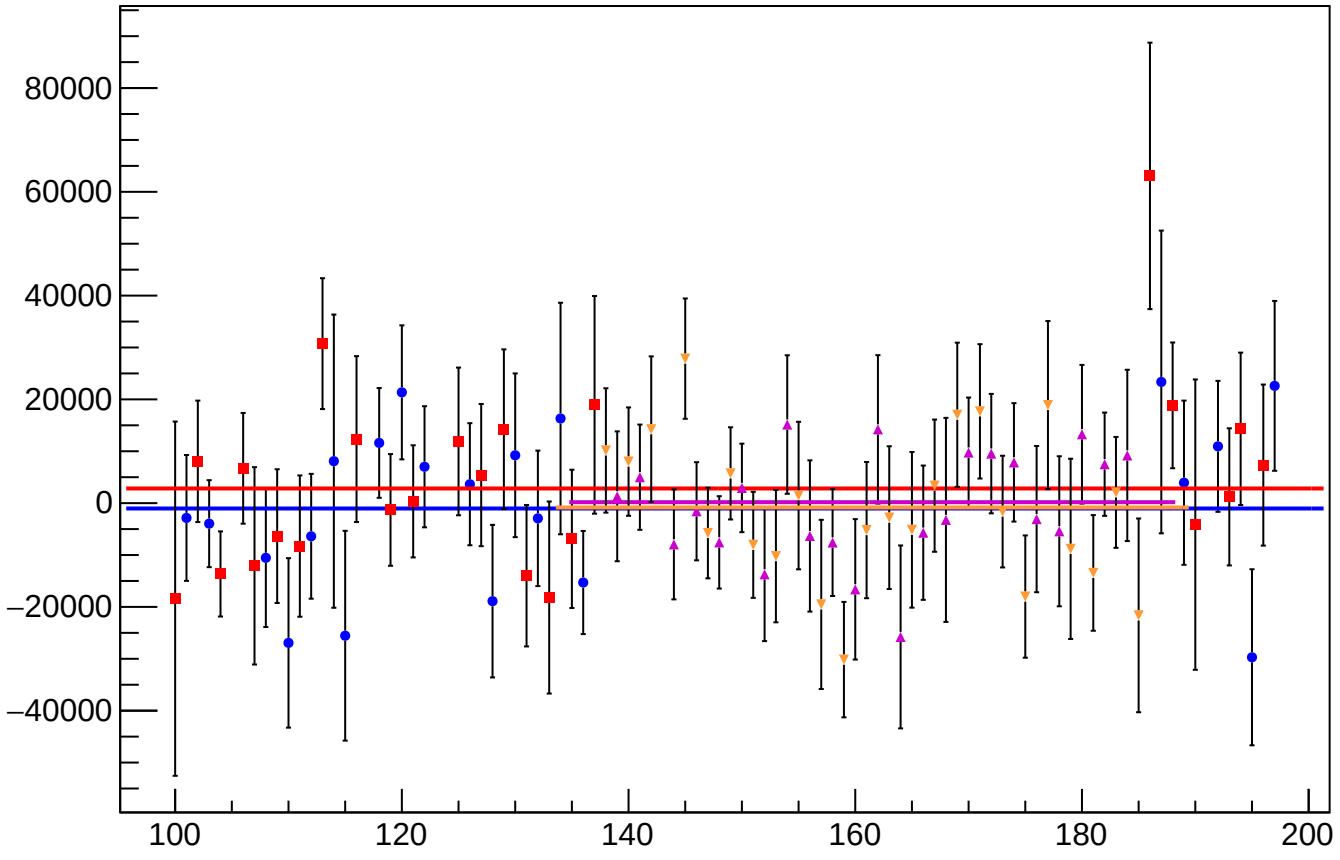
Right Out: 2194.791+/-0.462 χ^2/NDF: 185501.9/23

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2200.876+/-0.289 χ^2/NDF: 293532.6/44

All: 2202.023+/-0.203 χ^2/NDF: 560593.3/91

- sign 2203.150+/-0.286 χ^2/NDF: 267029.4/46



Right In: -1032.822+/-2938.703 χ^2/NDF: 21.2/20

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

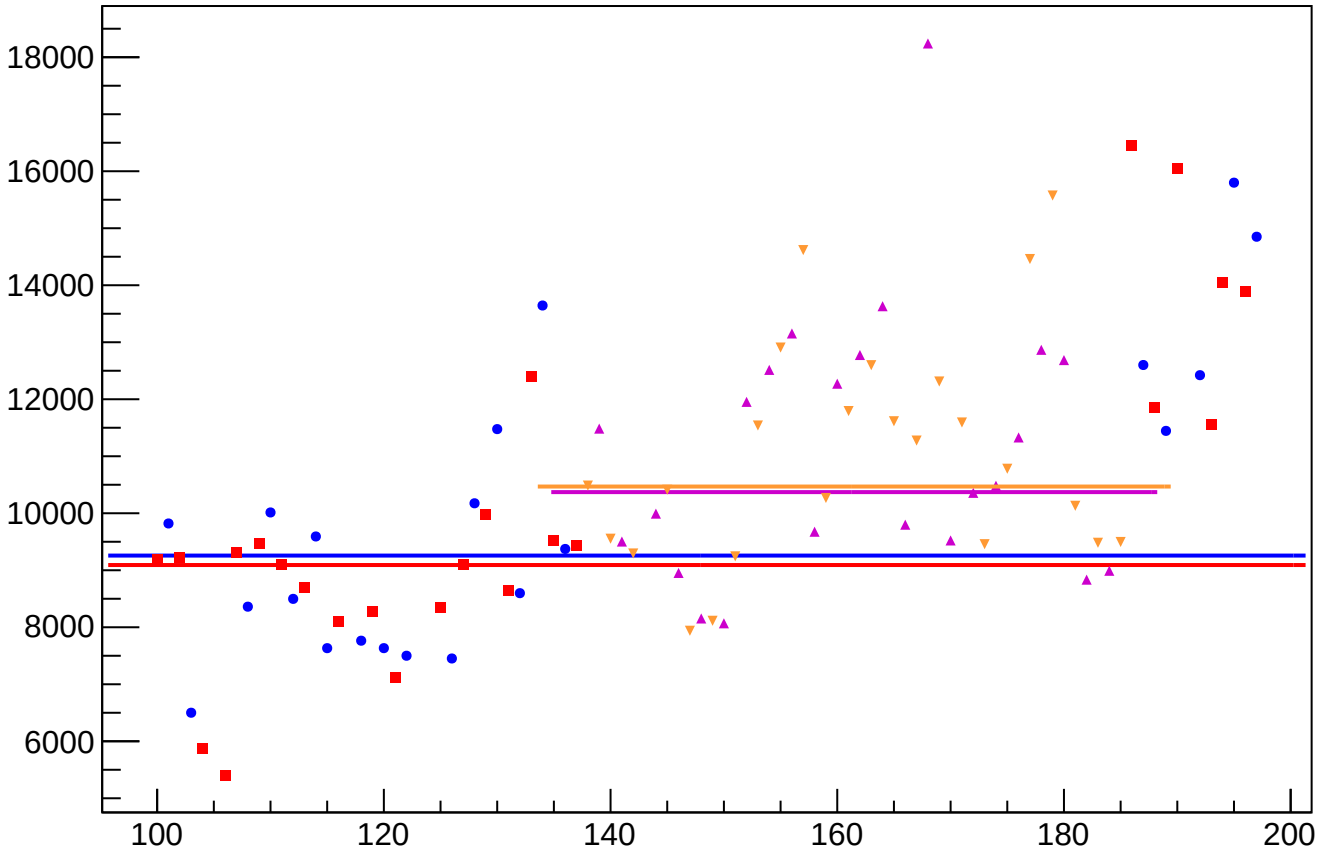
Right Out: 2823.198+/-2793.138 χ^2/NDF: 24.9/23

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -916.441+/-1895.949 χ^2/NDF: 50.7/44

All: 239.926+/-1324.393 χ^2/NDF: 90.6/91

- sign 1341.893+/-1850.815 χ^2/NDF: 39.2/46



Right In: 9257.638+/-2.078 χ^2/NDF: 1270121.0/20

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9091.758+/-1.975 χ^2/NDF: 1597339.0/23

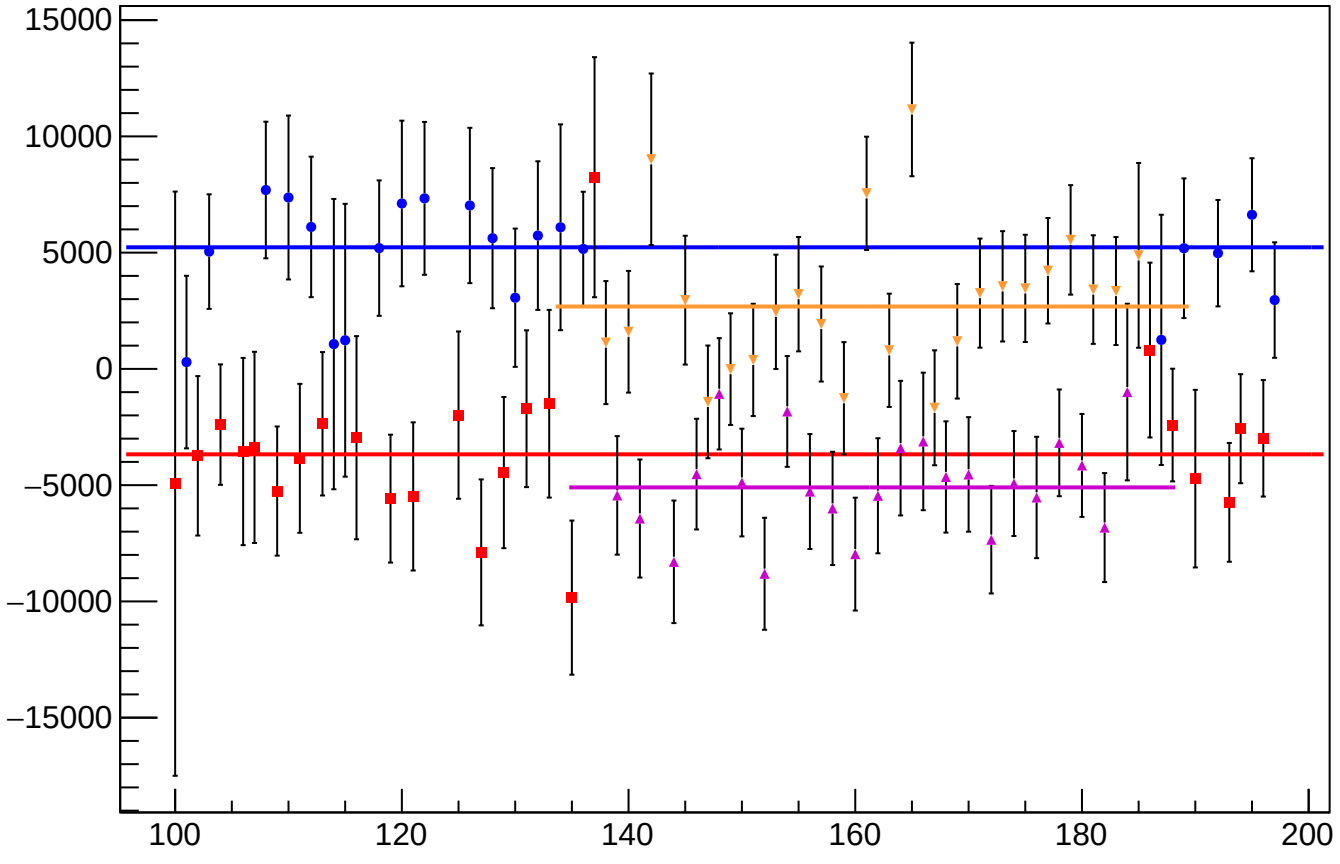
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9964.596+/-1.341 χ^2/NDF: 2513655.3/44

All: 9885.052+/-0.936 χ^2/NDF: 5556908.3/91

- sign 9809.250+/-1.309 χ^2/NDF: 3036377.8/46

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5230.097+/-676.942 χ^2/NDF: 7.2/20

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3674.275+/-654.857 χ^2/NDF: 15.8/23

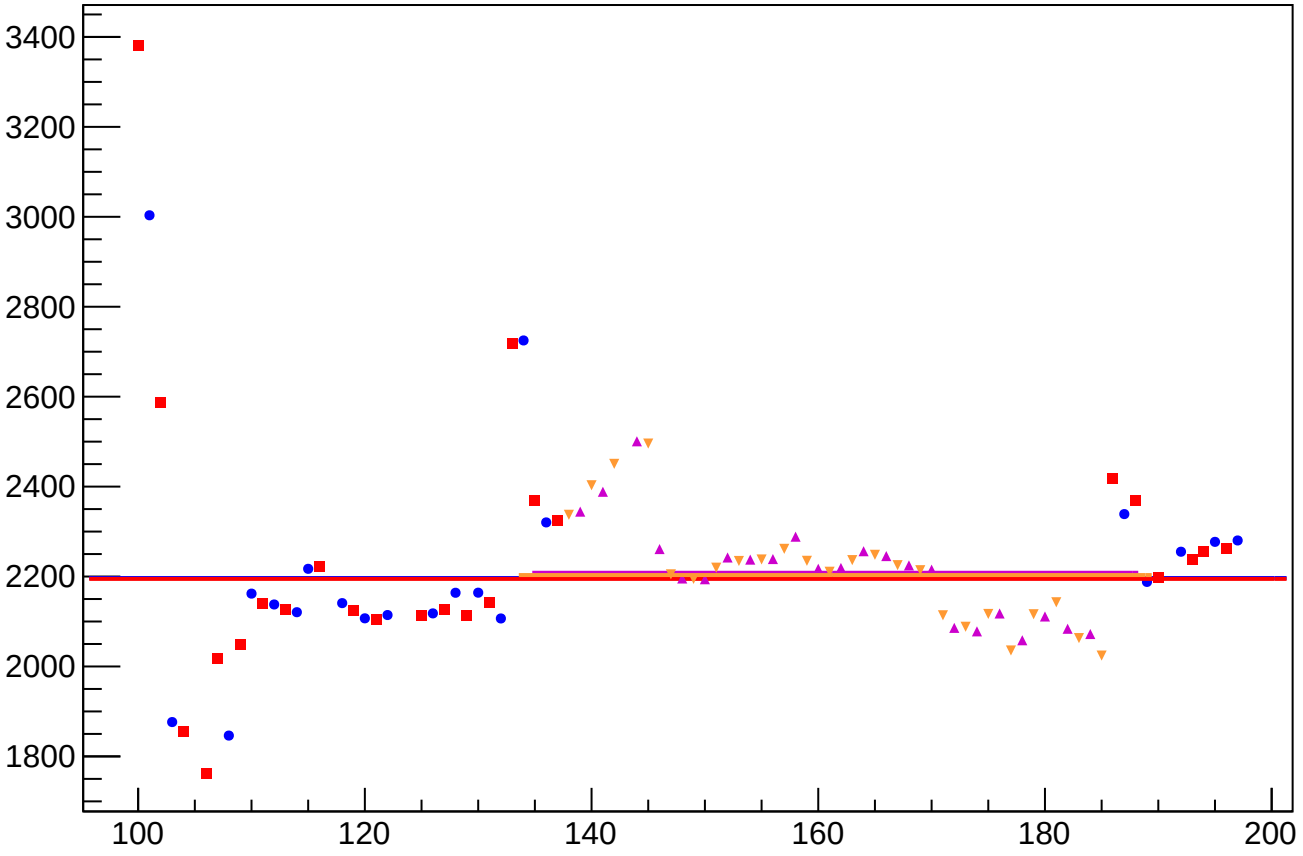
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3609.775+/-408.364 χ^2/NDF: 47.0/44

All: -500.385+/-287.707 χ^2/NDF: 281.8/91

- sign -4551.311+/-405.410 χ^2/NDF: 33.6/46

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2196.644+/-0.479 χ^2/NDF: 205201.4/20

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

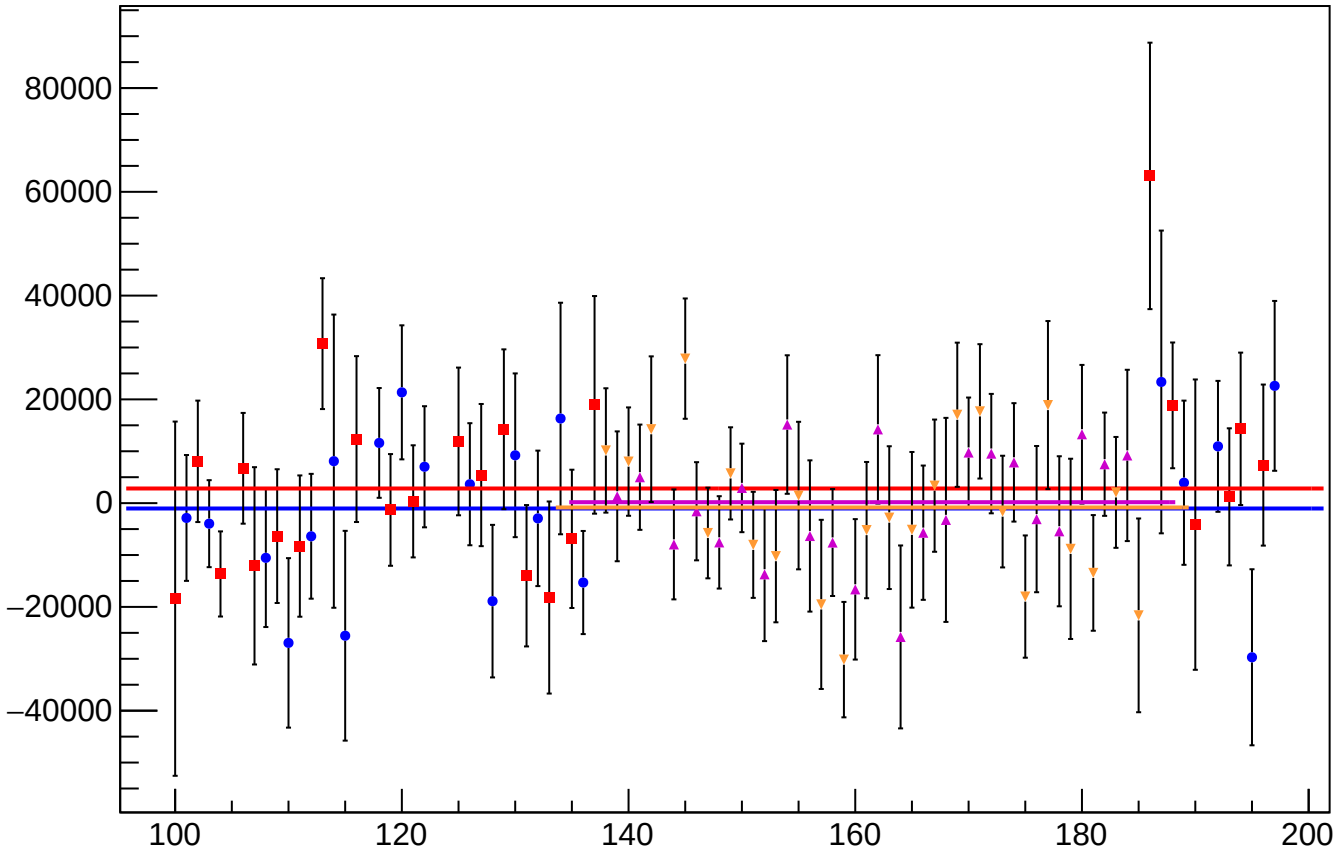
Right Out: 2194.791+/-0.462 χ^2/NDF: 185501.9/23

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2200.876+/-0.289 χ^2/NDF: 293532.6/44

All: 2202.023+/-0.203 χ^2/NDF: 560593.3/91

- sign 2203.150+/-0.286 χ^2/NDF: 267029.4/46



Right In: -1032.822+/-2938.703 χ^2/NDF: 21.2/20

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

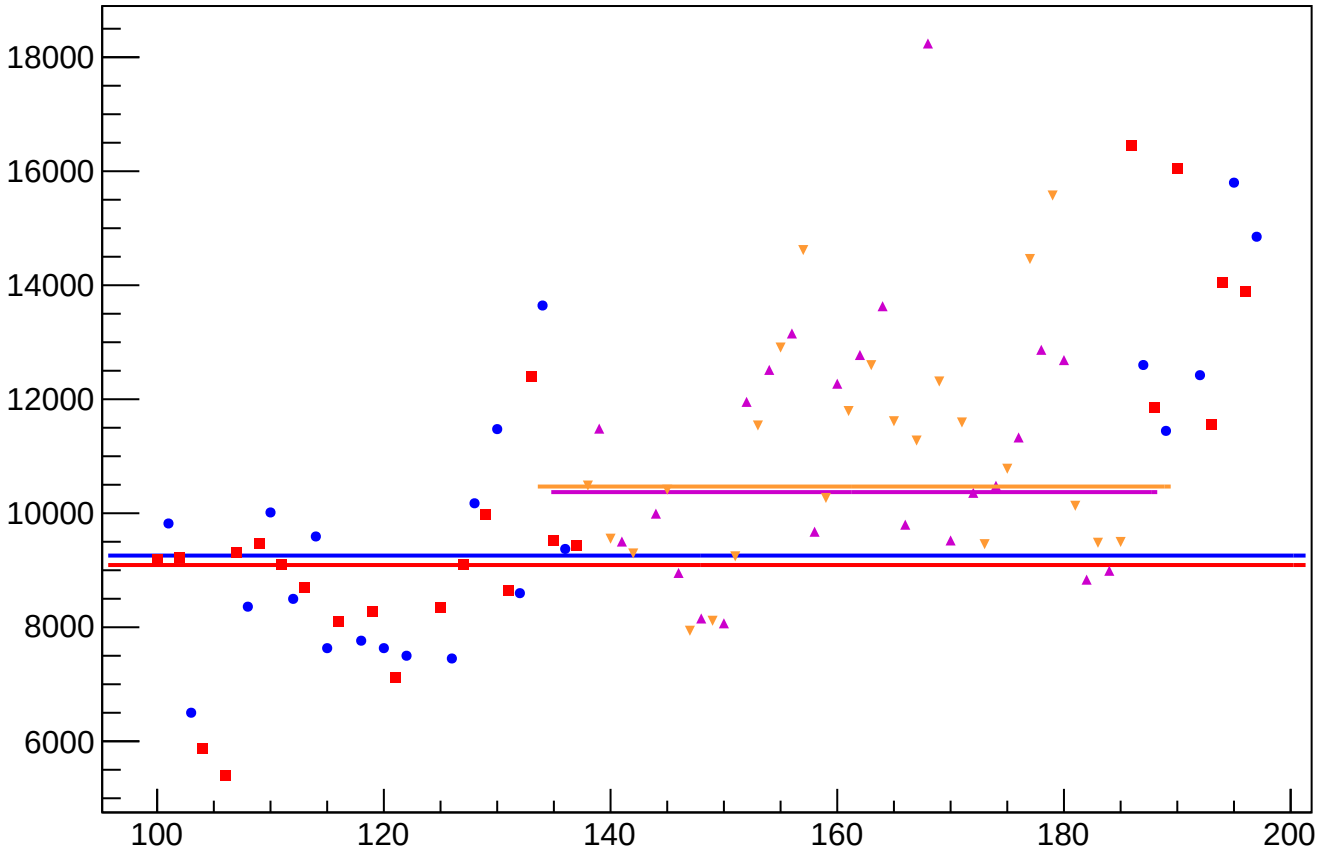
Right Out: 2823.198+/-2793.138 χ^2/NDF: 24.9/23

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -916.441+/-1895.949 χ^2/NDF: 50.7/44

All: 239.926+/-1324.393 χ^2/NDF: 90.6/91

- sign 1341.893+/-1850.815 χ^2/NDF: 39.2/46



Right In: 9257.638+/-2.078 χ^2/NDF: 1270121.0/20

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

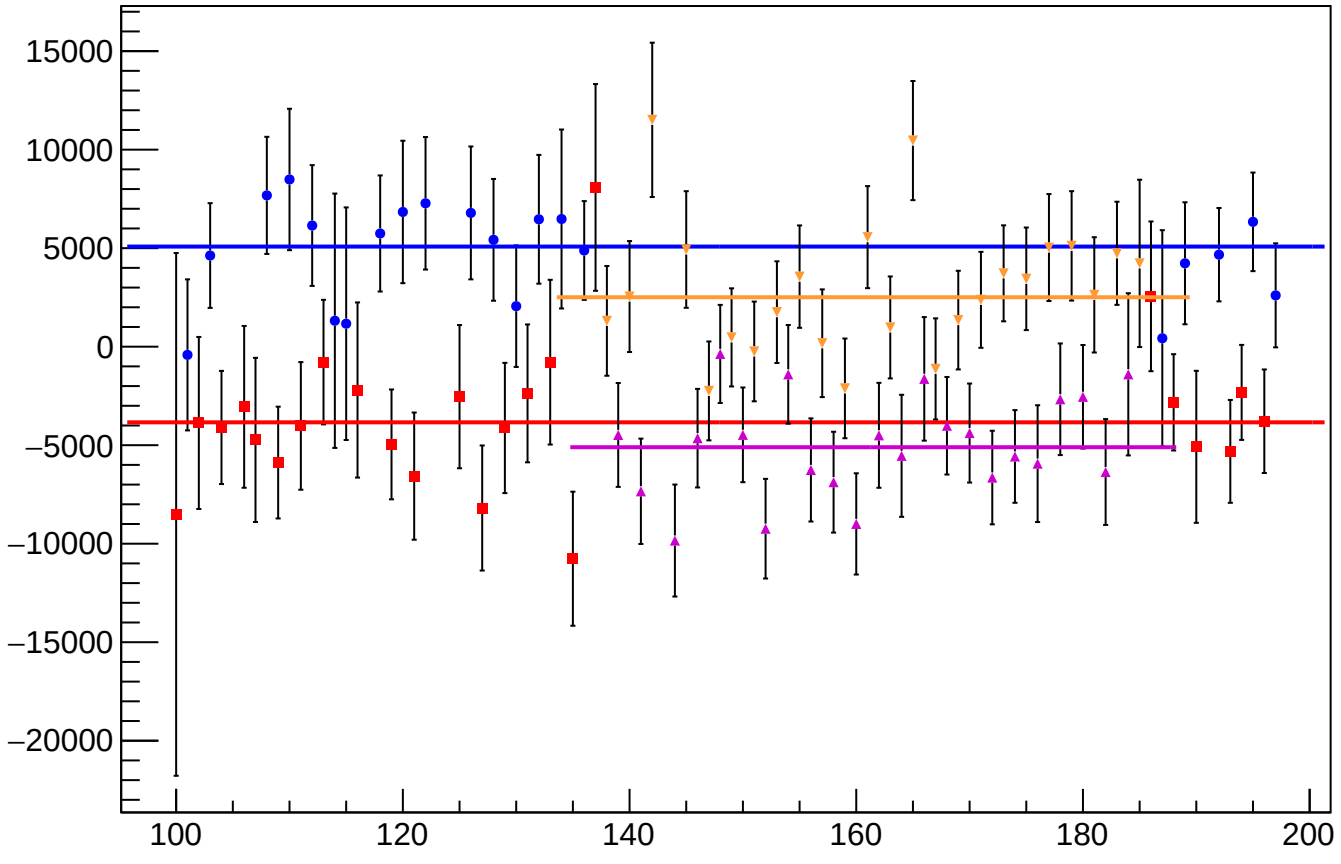
Right Out: 9091.758+/-1.975 χ^2/NDF: 1597339.0/23

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9964.596+/-1.341 χ^2/NDF: 2513655.3/44

All: 9885.052+/-0.936 χ^2/NDF: 5556908.3/91

- sign 9809.250+/-1.309 χ^2/NDF: 3036377.8/46



Right In: 5080.549+/-697.140 χ^2/NDF: 8.8/20

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3839.696+/-676.213 χ^2/NDF: 18.5/23

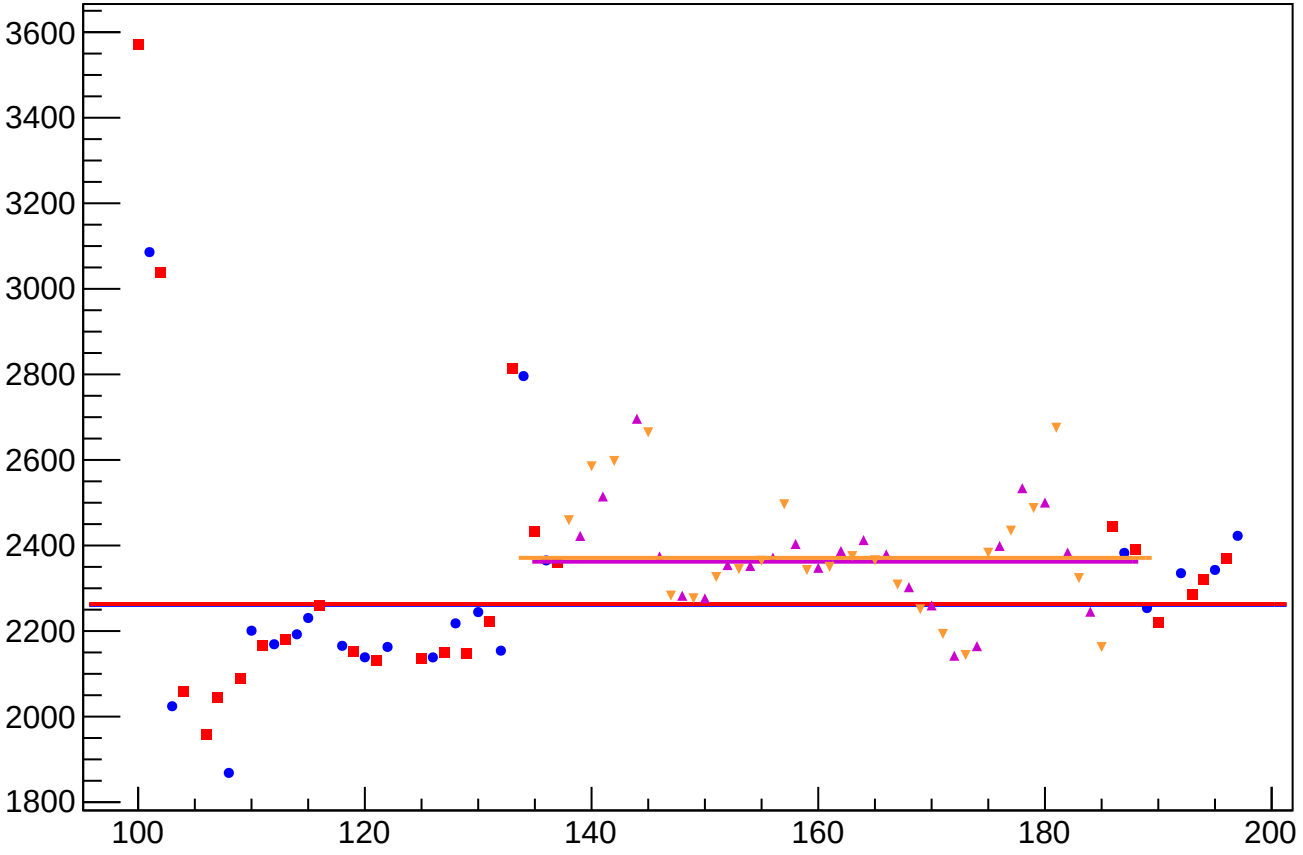
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3499.066+/-432.571 χ^2/NDF: 47.0/44

All: -593.126+/-304.204 χ^2/NDF: 264.6/91

- sign -4597.173+/-427.887 χ^2/NDF: 40.5/46

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2261.219+/-0.493 χ^2/NDF: 201091.9/20

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

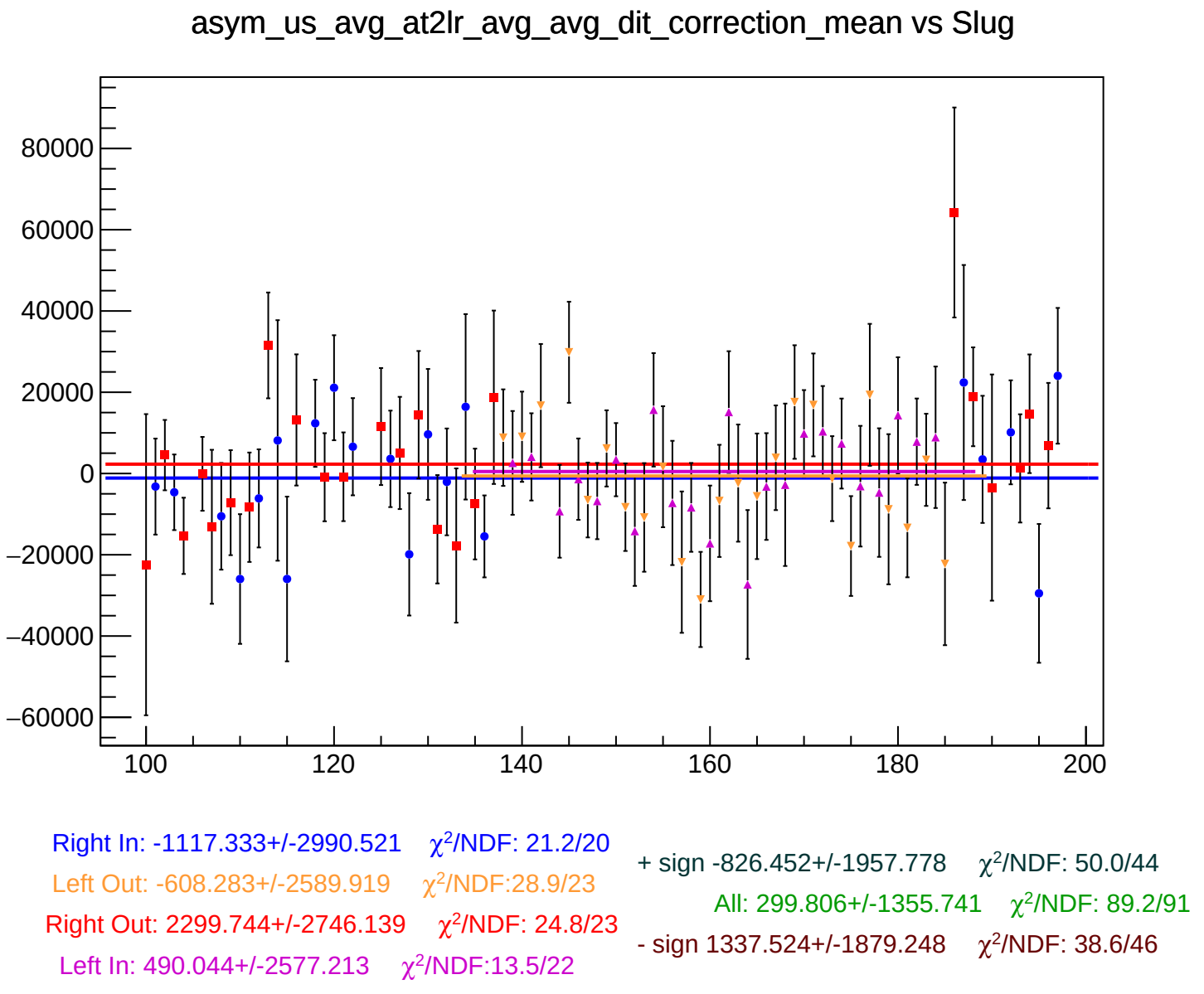
Right Out: 2263.250+/-0.478 χ^2/NDF: 189708.1/23

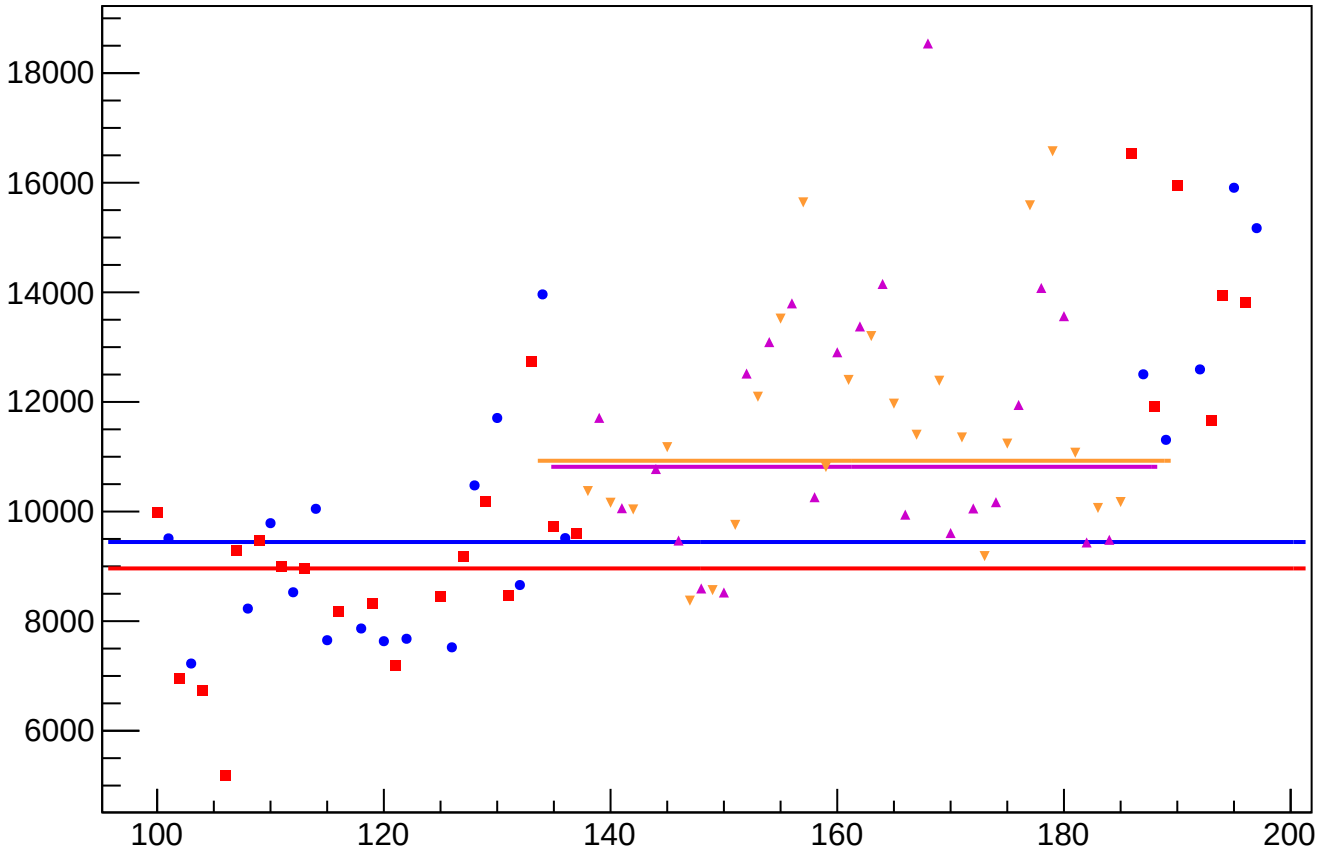
Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2328.817+/-0.306 χ^2/NDF: 347965.0/44

All: 2325.660+/-0.215 χ^2/NDF: 655480.0/91

- sign 2322.573+/-0.303 χ^2/NDF: 307304.3/46


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: -1117.333+/-2990.521 χ²/NDF: 21.2/20
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: 2299.744+/-2746.139 χ²/NDF: 24.8/23
Left In: 490.044+/-2577.213 χ²/NDF:13.5/22
+ sign -826.452+/-1957.778 χ²/NDF: 50.0/44
All: 299.806+/-1355.741 χ²/NDF: 89.2/91
- sign 1337.524+/-1879.248 χ²/NDF: 38.6/46



Right In: 9444.112+/-2.115 χ^2/NDF: 1166077.4/20

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

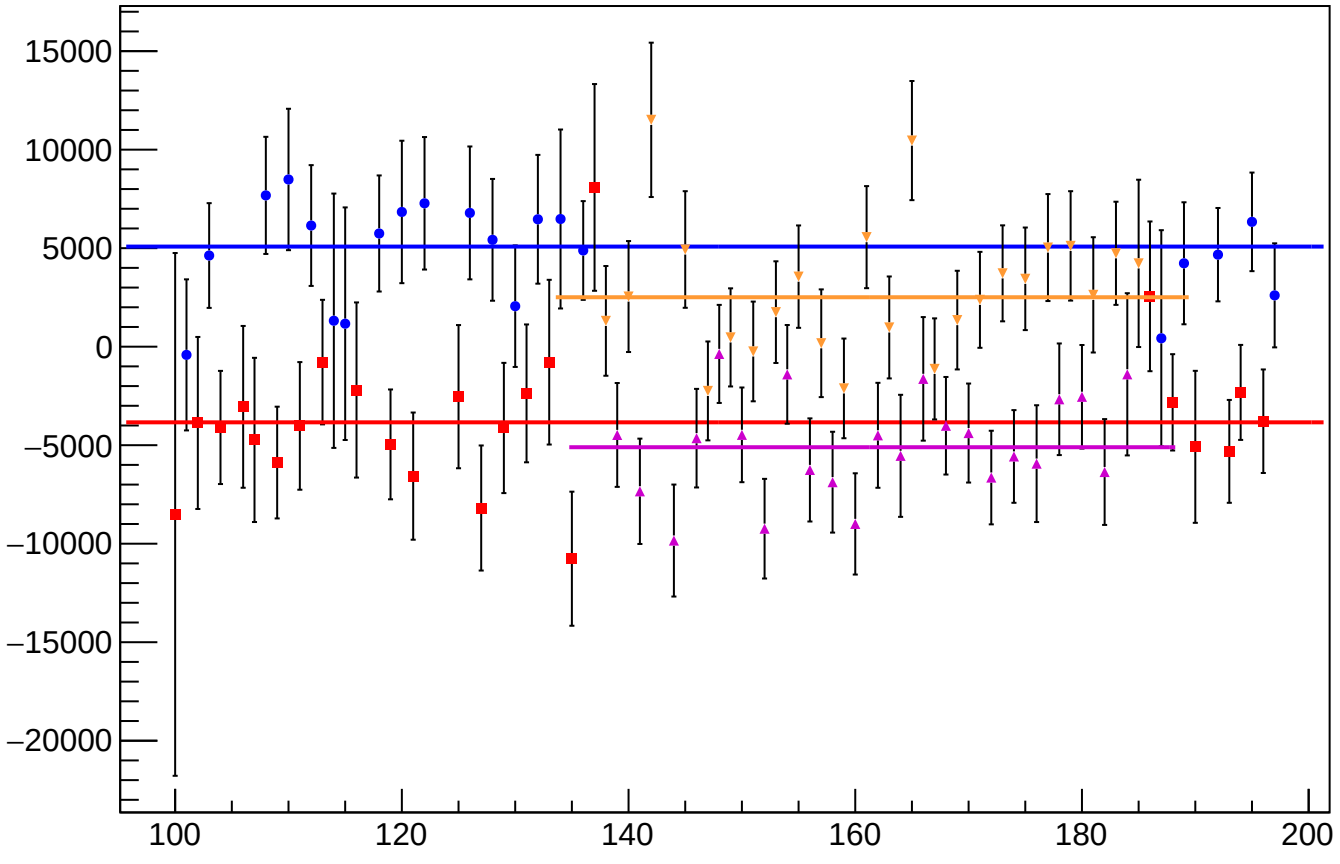
Right Out: 8962.238+/-1.942 χ^2/NDF: 1669348.9/23

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10291.382+/-1.384 χ^2/NDF: 2504356.3/44

All: 10112.695+/-0.959 χ^2/NDF: 5887279.4/9

- sign 9948.055+/-1.329 χ^2/NDF: 3350911.7/46



Right In: 5080.545+/-697.139 χ^2/NDF: 8.8/20

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3839.698+/-676.213 χ^2/NDF: 18.5/23

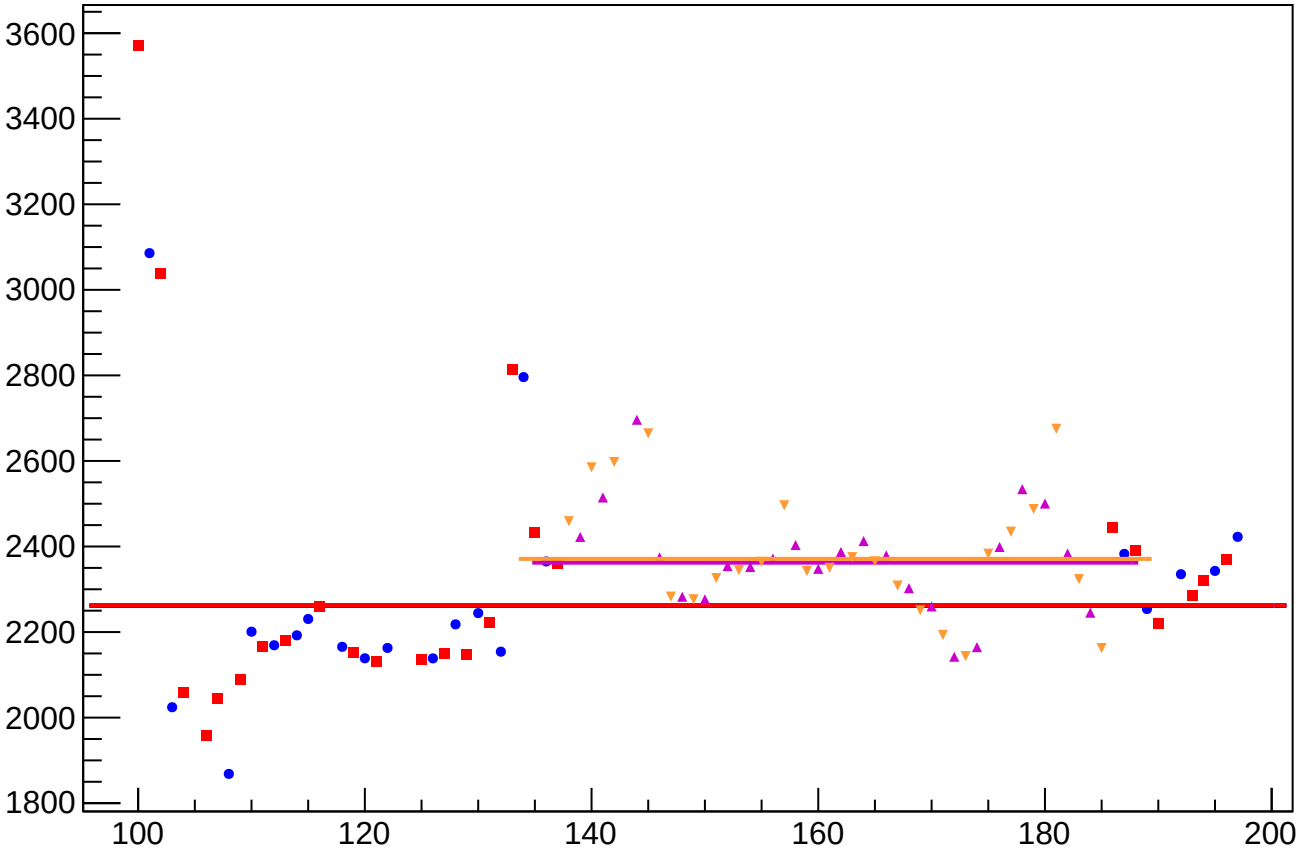
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3499.059+/-432.572 χ^2/NDF: 47.0/44

All: -593.131+/-304.205 χ^2/NDF: 264.6/91

- sign -4597.174+/-427.887 χ^2/NDF: 40.5/46

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2261.219+/-0.493 χ^2/NDF: 201092.3/20

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

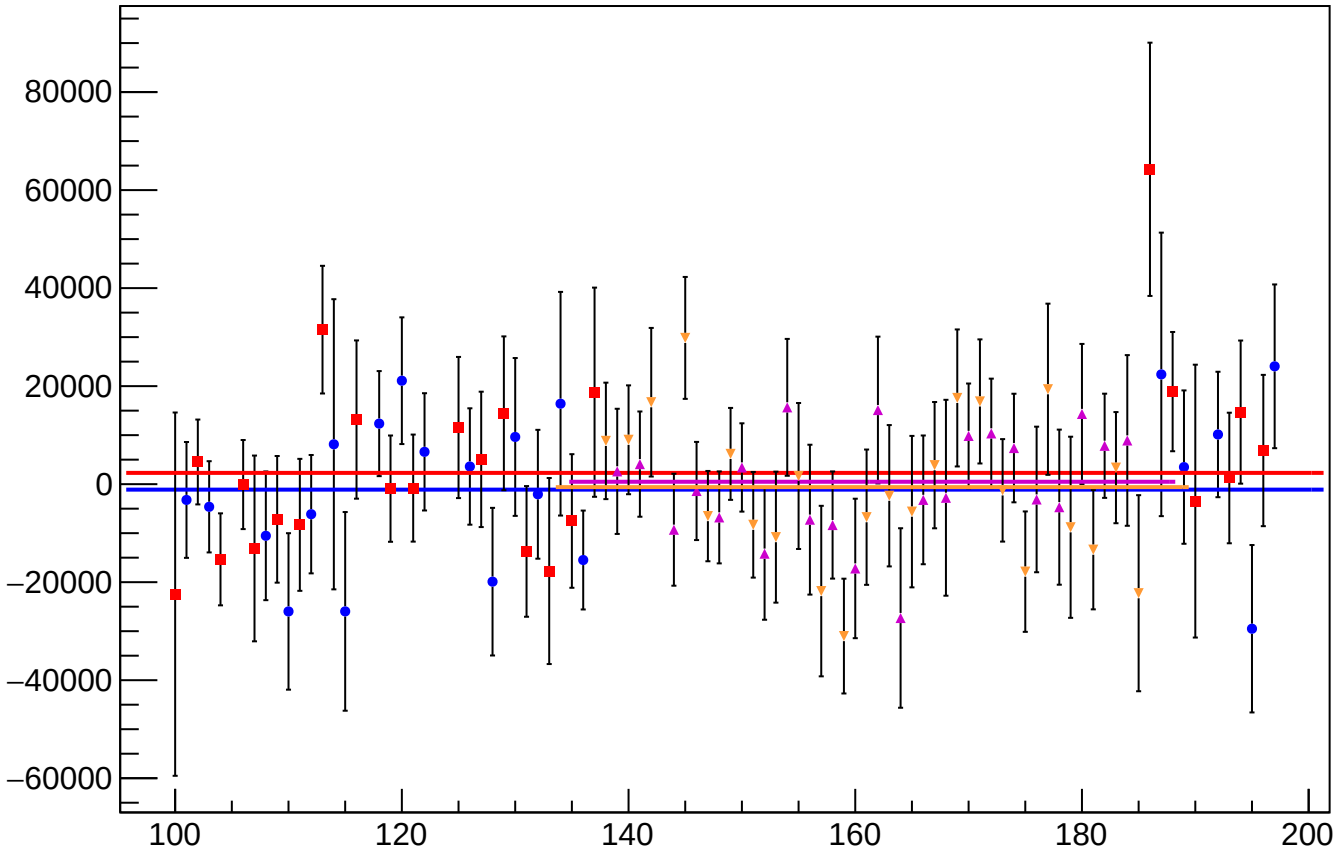
Right Out: 2263.250+/-0.478 χ^2/NDF: 189708.2/23

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2328.819+/-0.306 χ^2/NDF: 347971.9/44

All: 2325.662+/-0.215 χ^2/NDF: 655493.4/91

- sign 2322.574+/-0.303 χ^2/NDF: 307310.9/46



Right In: -1117.317+/-2990.516 χ^2/NDF: 21.2/20

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

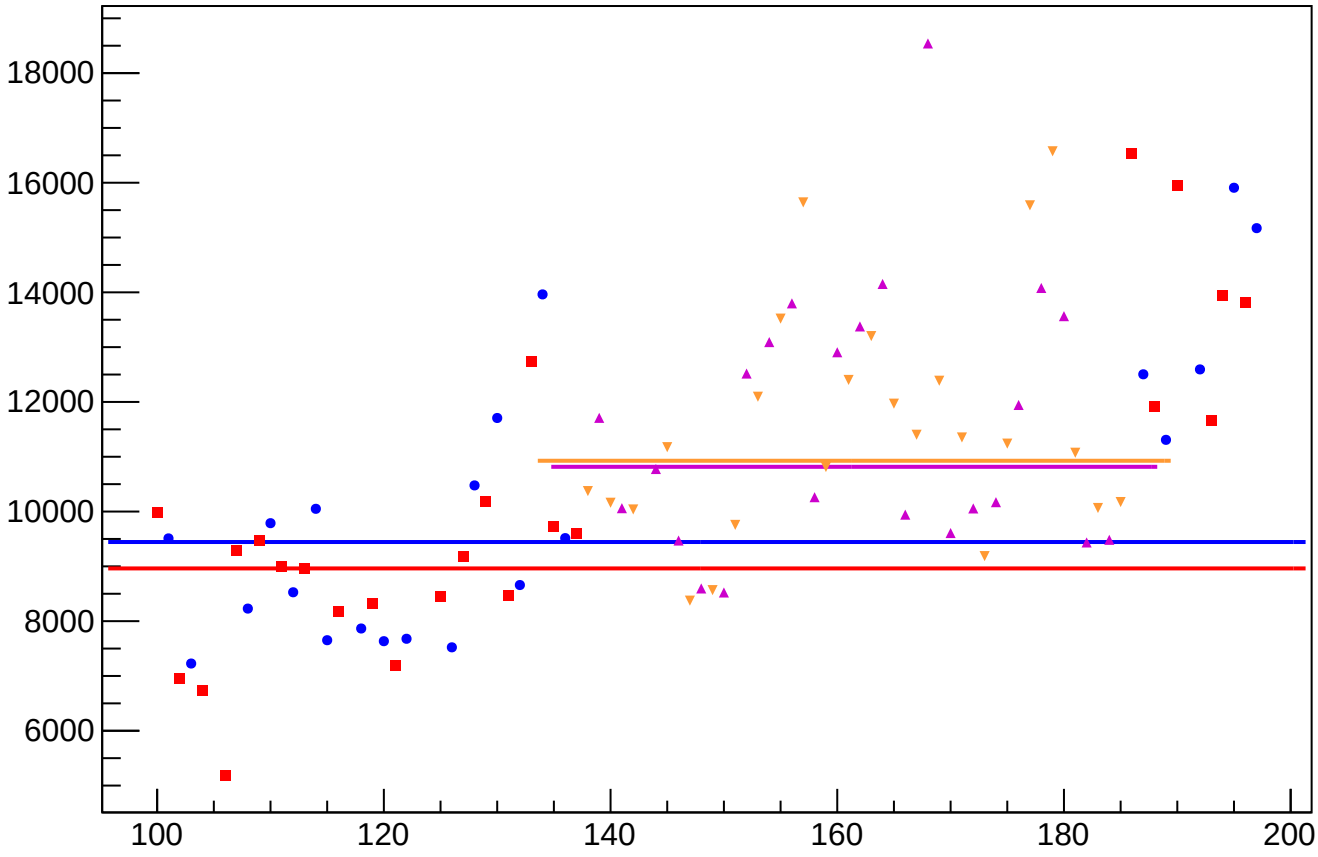
Right Out: 2299.729+/-2746.134 χ^2/NDF: 24.8/23

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -826.451+/-1957.778 χ^2/NDF: 50.0/44

All: 299.806+/-1355.742 χ^2/NDF: 89.2/91

- sign 1337.522+/-1879.248 χ^2/NDF: 38.6/46



Right In: 9444.092+/-2.115 χ^2/NDF: 1166090.6/20

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

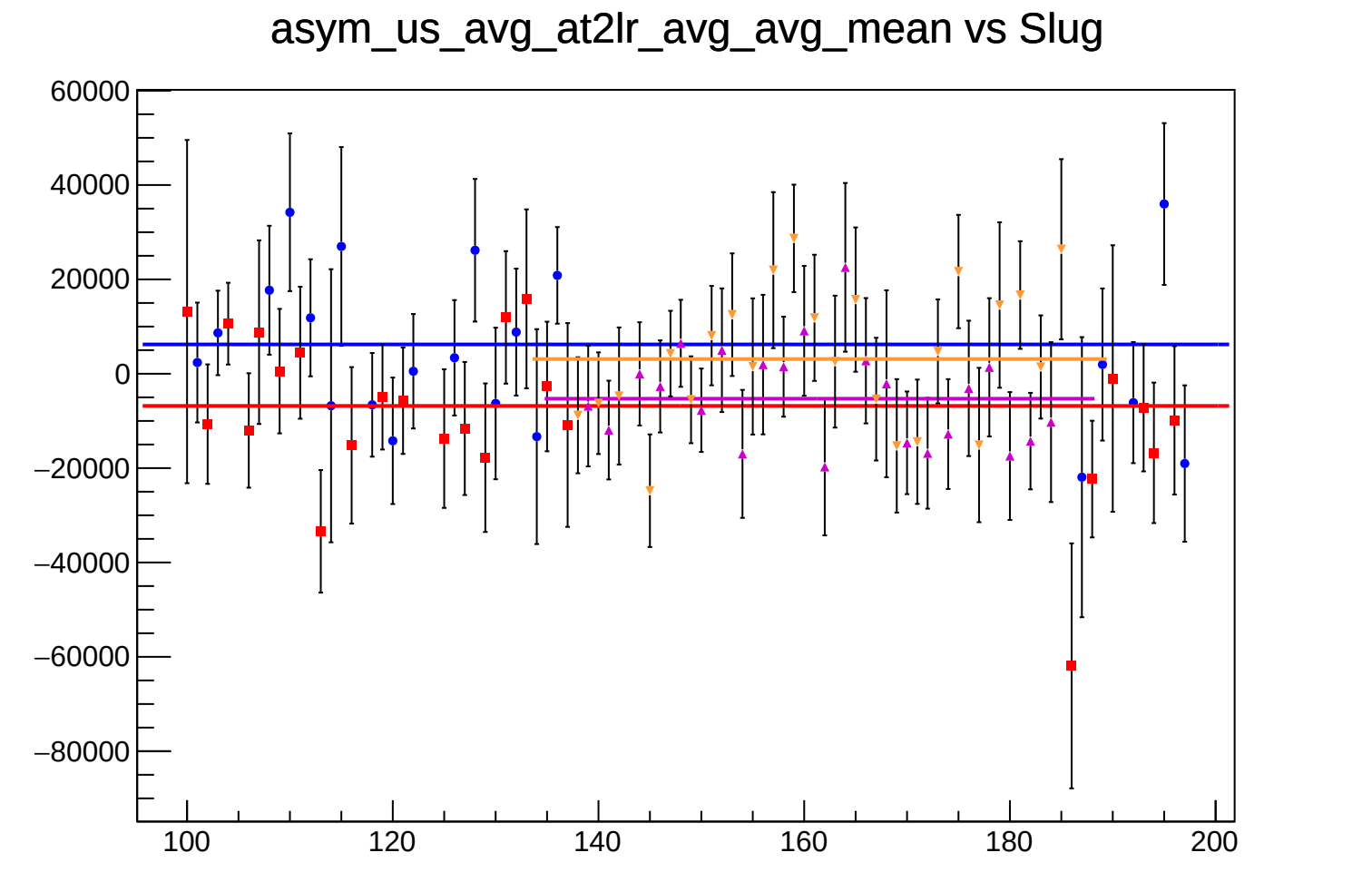
Right Out: 8962.221+/-1.942 χ^2/NDF: 1669356.9/23

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10291.381+/-1.384 χ^2/NDF: 2504386.3/44

All: 10112.693+/-0.959 χ^2/NDF: 5887339.0/9

- sign 9948.053+/-1.329 χ^2/NDF: 3350941.1/46



Right In: 6216.797+/-3039.582 χ^2/NDF: 21.4/20

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -6814.022+/-2905.477 χ^2/NDF: 21.5/23

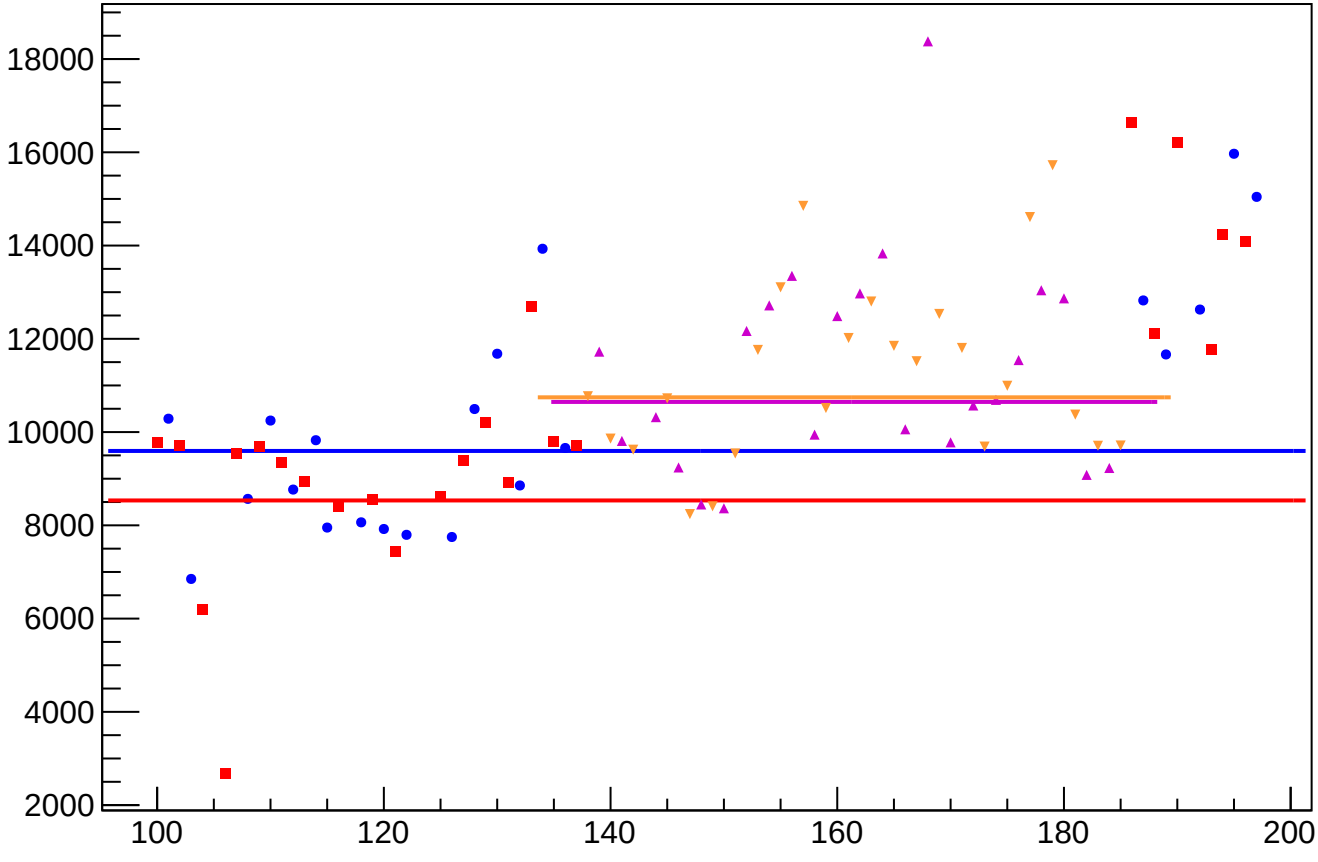
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4394.516+/-1950.357 χ^2/NDF: 49.5/44

All: -887.022+/-1364.362 χ^2/NDF: 98.8/91

- sign -5948.526+/-1909.298 χ^2/NDF: 35.0/46

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 9595.263+/-2.149 χ^2/NDF: 1169248.6/20

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

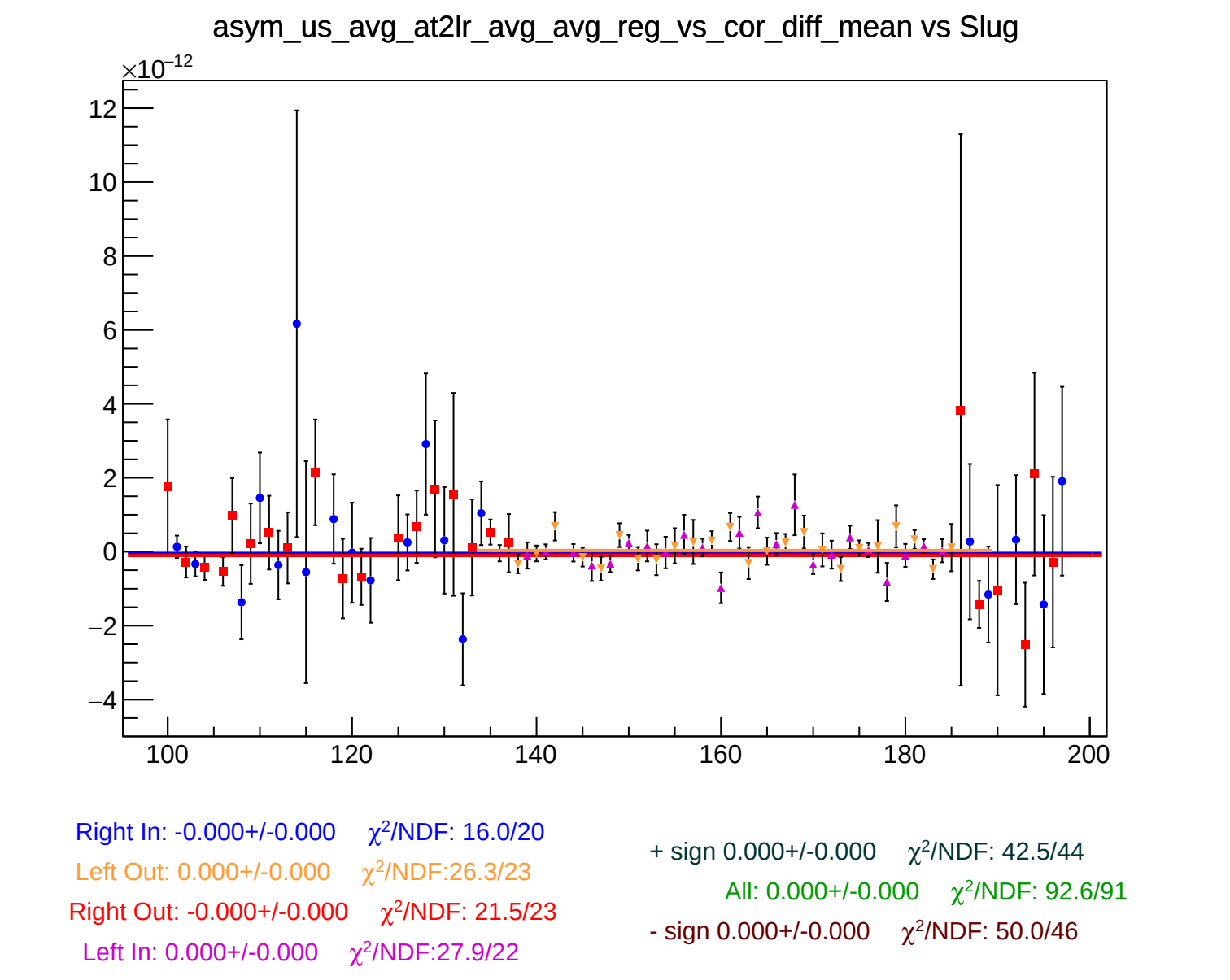
Right Out: 8533.786+/-1.934 χ^2/NDF: 3047941.3/23

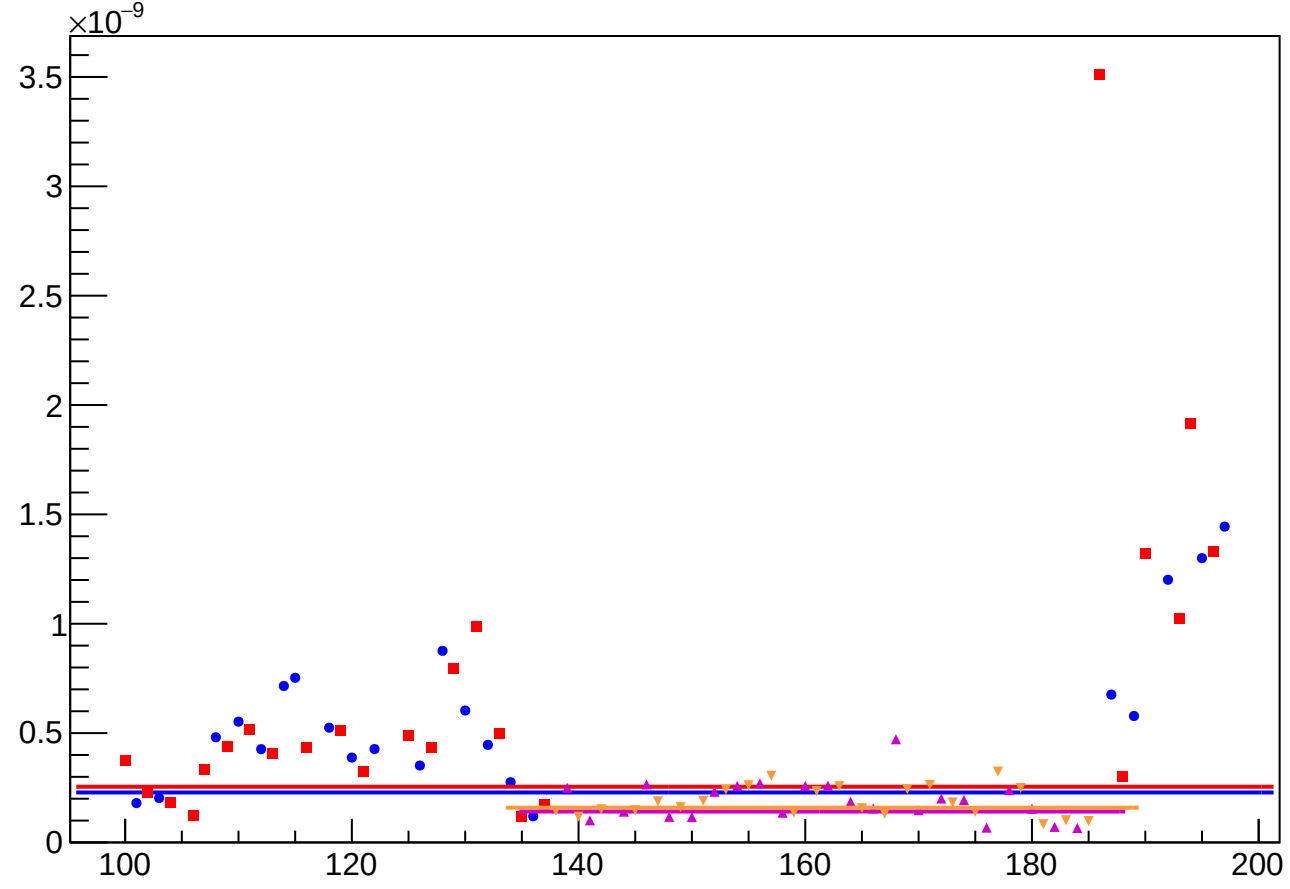
Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

\+ sign 10271.821+/-1.379 χ^2/NDF: 2302304.4/44

All: 9956.807+/-0.951 χ^2/NDF: 7206369.0/91

\- sign 9670.838+/-1.314 χ^2/NDF: 4804524.7/46


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 16.0/20
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 21.5/23
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 42.5/44
All: 0.000+/-0.000 χ²/NDF: 92.6/91
- sign 0.000+/-0.000 χ²/NDF: 50.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 3373750.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

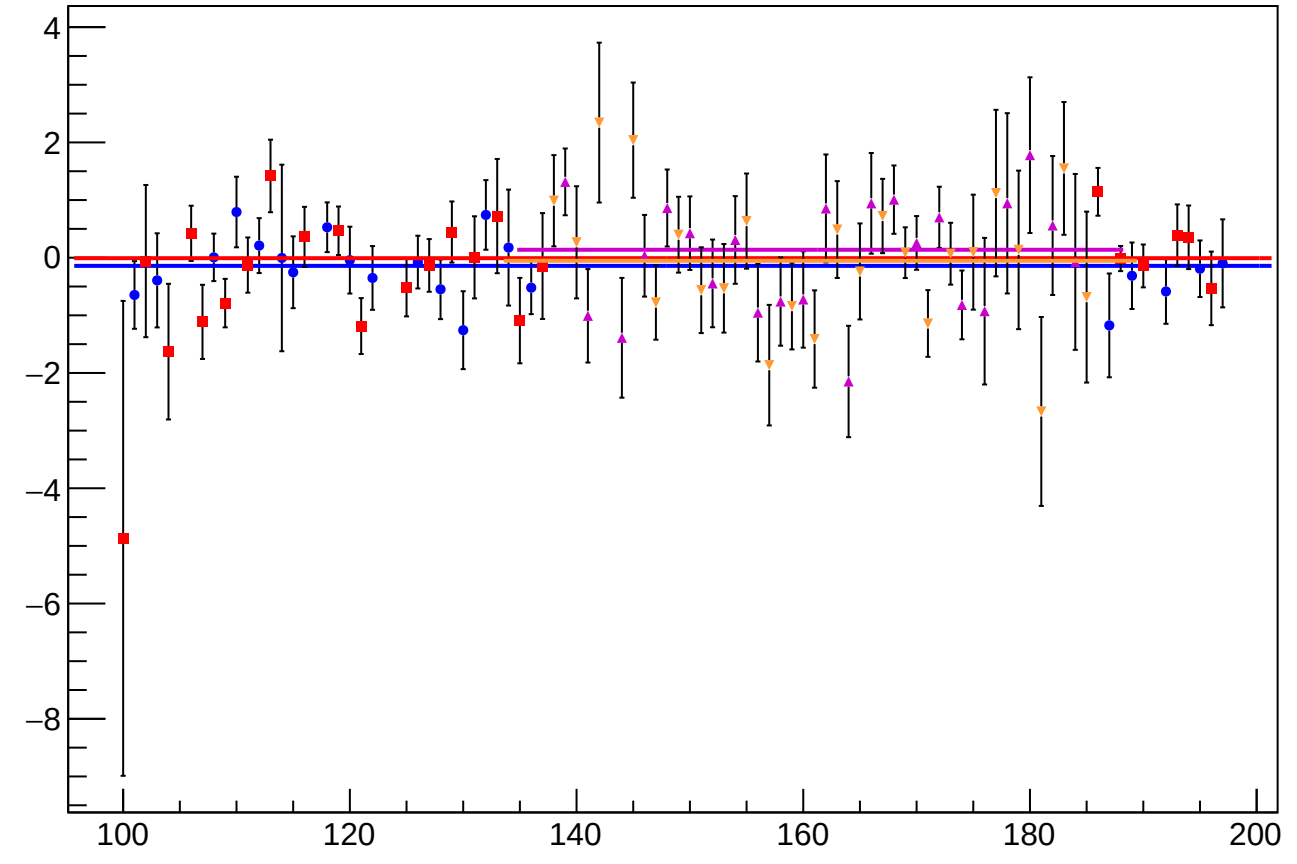
Right Out: 0.000+/-0.000 χ^2/NDF: 3873765.8/23

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5078443.1/44

All: 0.000+/-0.000 χ^2/NDF: 12386226.9/91

- sign 0.000+/-0.000 χ^2/NDF: 7246578.5/46



Right In: -0.142+/-0.125 χ^2/NDF: 14.8/20

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

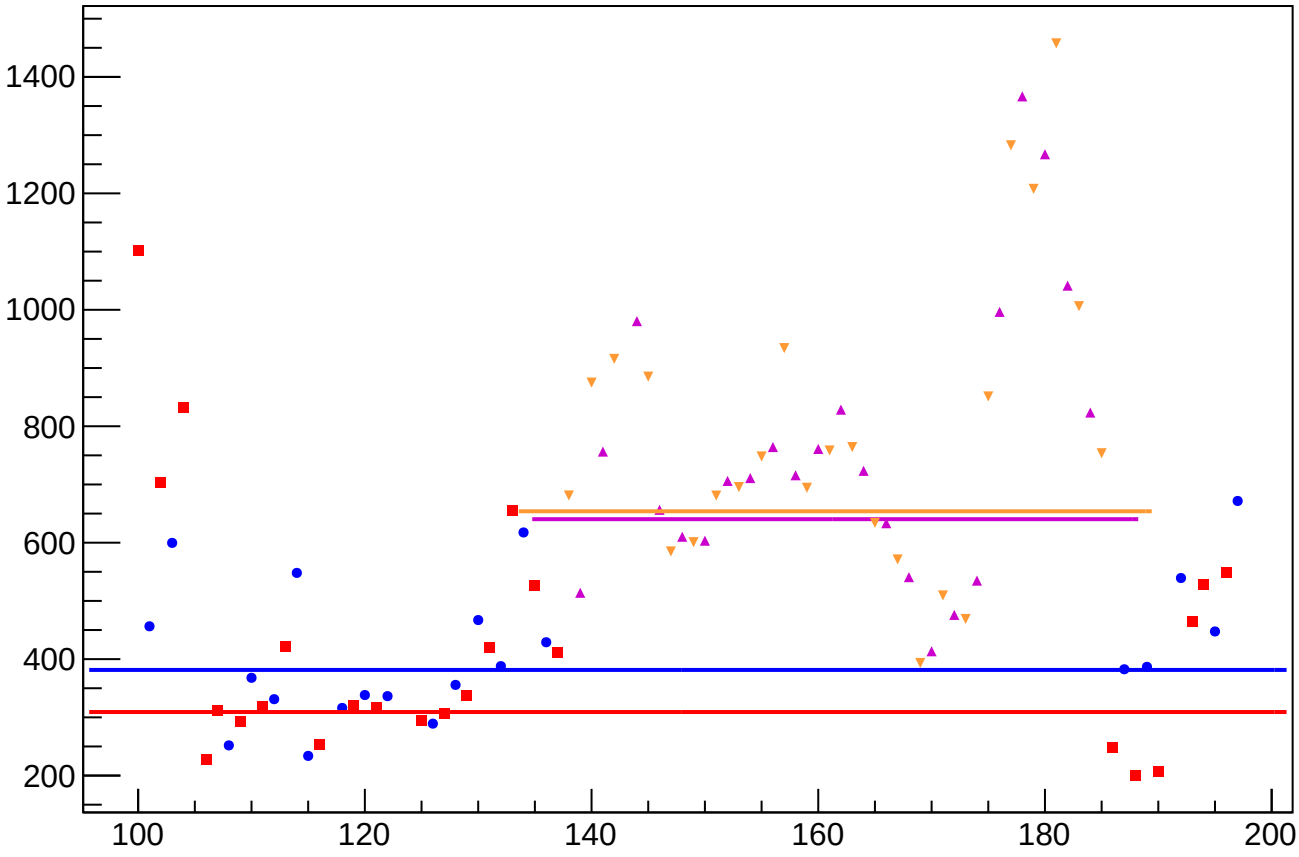
Right Out: -0.009+/-0.102 χ^2/NDF: 37.4/23

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.109+/-0.099 χ^2/NDF: 45.1/44

All: -0.027+/-0.065 χ^2/NDF: 114.3/91

- sign 0.035+/-0.086 χ^2/NDF: 68.0/46



Right In: 381.452+/-0.088 χ^2/NDF: 1334024.3/20

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

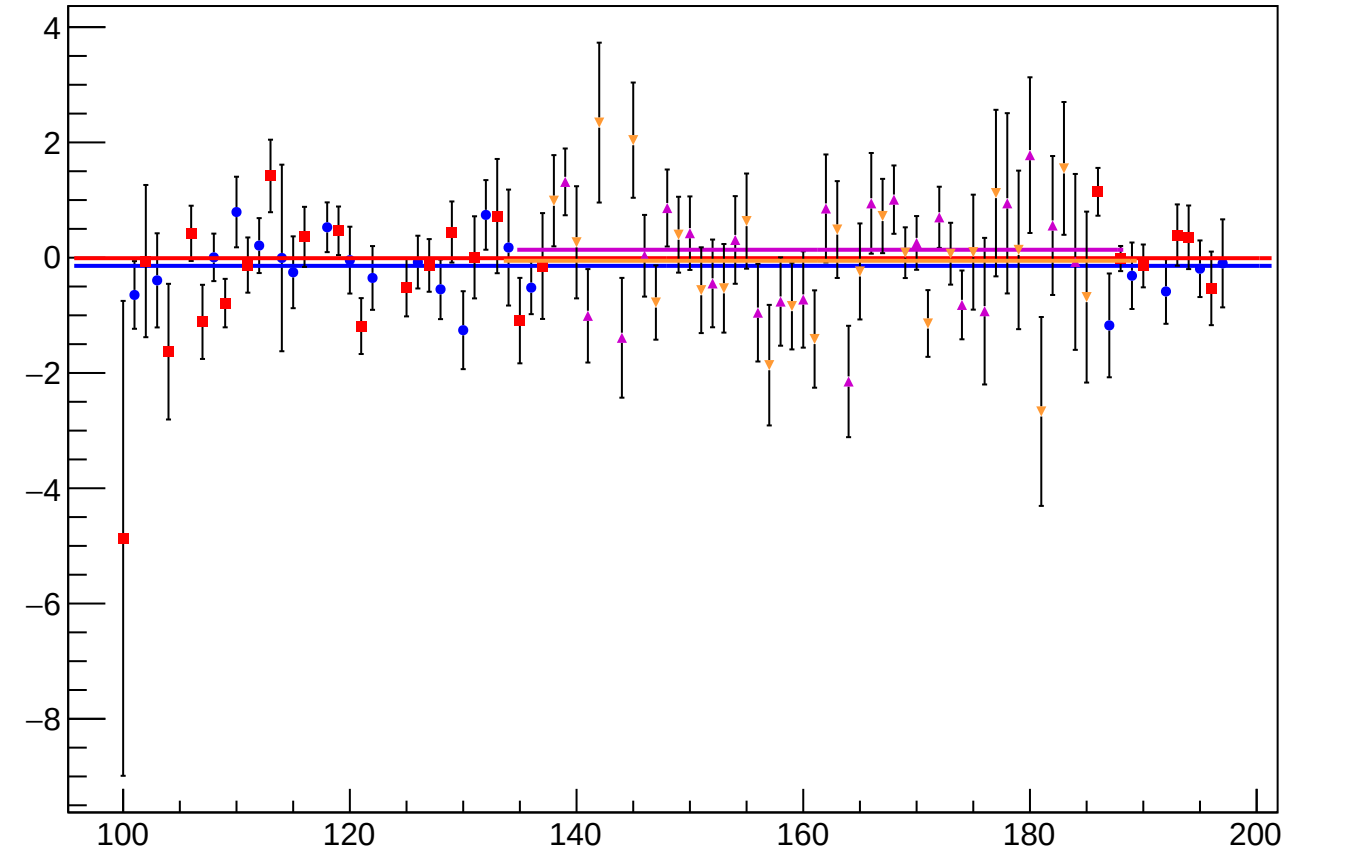
Right Out: 309.156+/-0.072 χ^2/NDF: 2760570.5/23

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 483.299+/-0.070 χ^2/NDF: 8031281.4/44

All: 439.759+/-0.046 χ^2/NDF: 20331969.2/91

- sign 406.858+/-0.061 χ^2/NDF: 11616440.5/46



Right In: -0.142+/-0.125 χ^2/NDF: 14.8/20

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

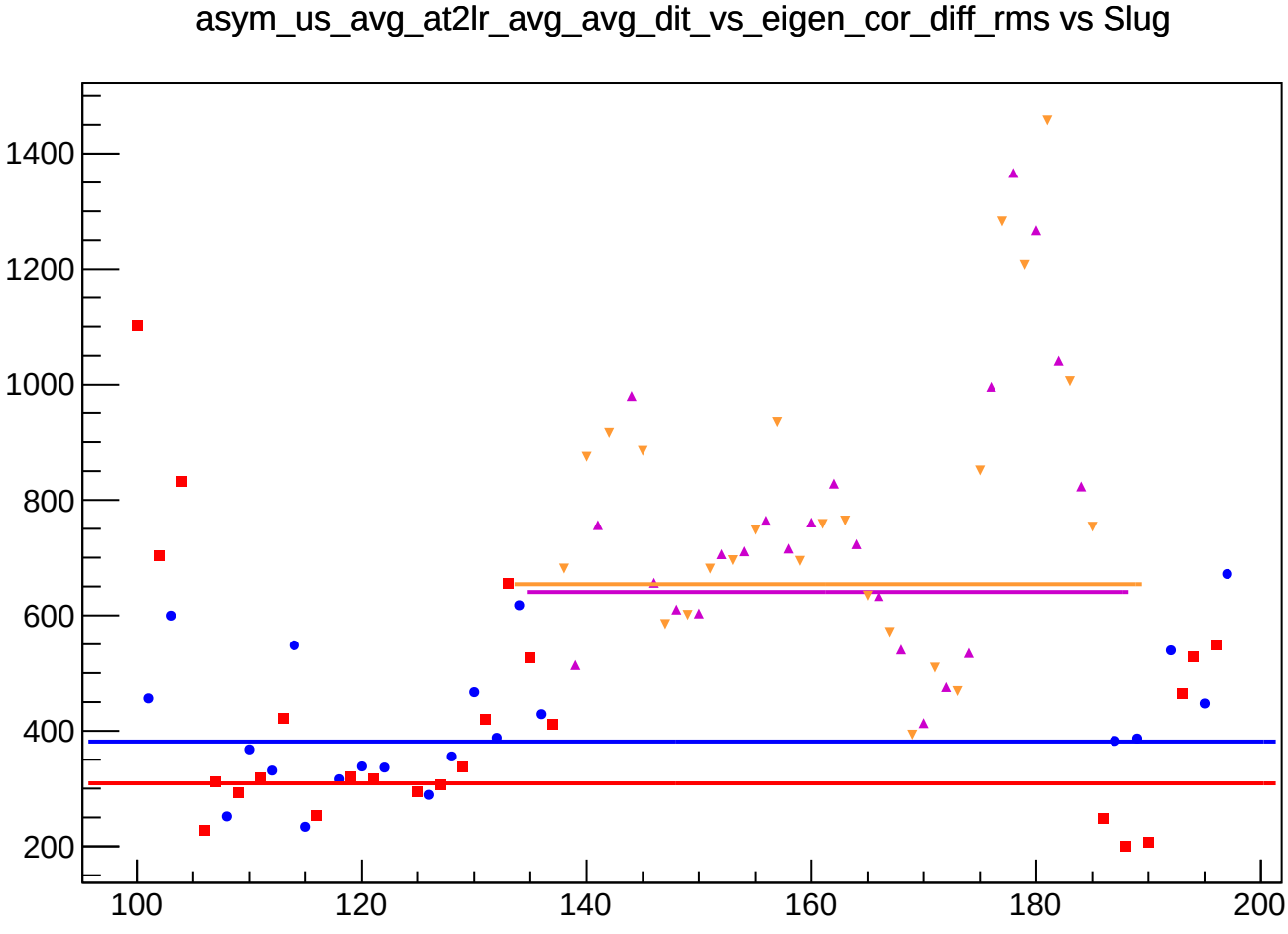
Right Out: -0.009+/-0.102 χ^2/NDF: 37.4/23

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.109+/-0.099 χ^2/NDF: 45.1/44

All: -0.027+/-0.065 χ^2/NDF: 114.3/91

- sign 0.035+/-0.086 χ^2/NDF: 68.0/46


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
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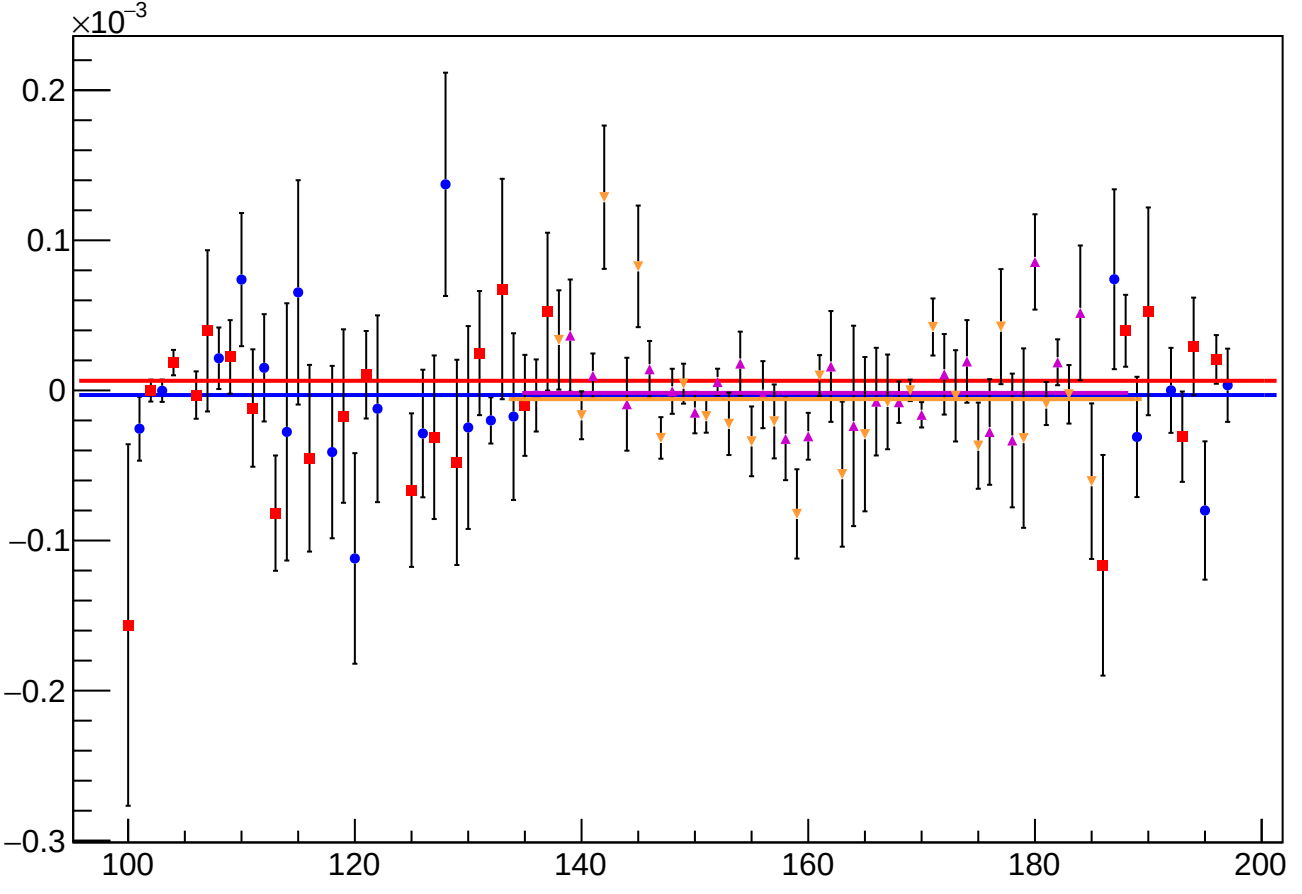
800
600
400
200
100
120
140
160
180
200
Right In: 381.452+/-0.088 χ²/NDF: 1334024.3/20
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 309.156+/-0.072 χ²/NDF: 2760570.5/23
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 483.299+/-0.070 χ²/NDF: 8031281.4/44
All: 439.759+/-0.046 χ²/NDF: 20331969.2/91
- sign 406.858+/-0.061 χ²/NDF: 11616440.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

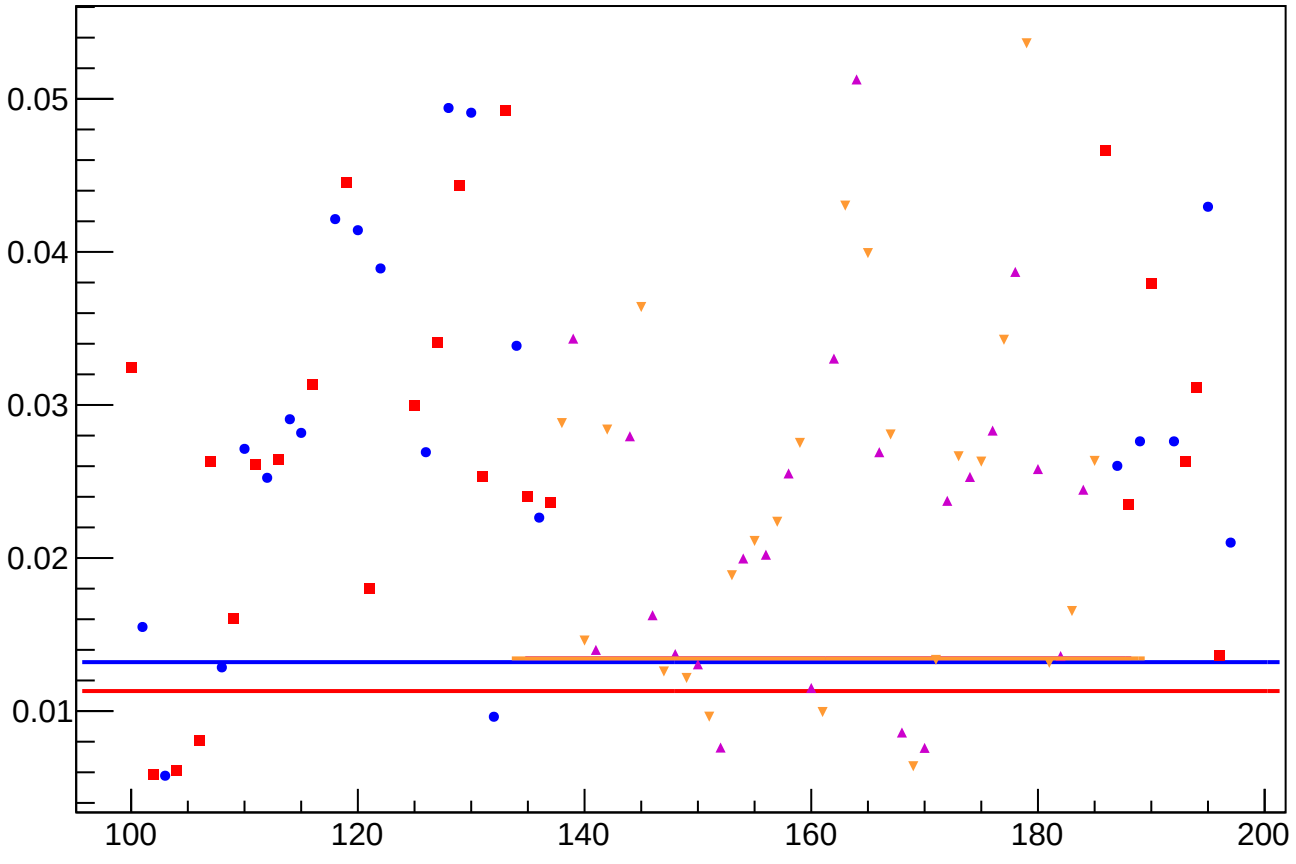
Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/23

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.8/44

All: -0.000+/-0.000 χ^2/NDF: 118.2/91

- sign 0.000+/-0.000 χ^2/NDF: 52.8/46



Right In: 0.013+/-0.000 χ^2/NDF: 7615271.8/20

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

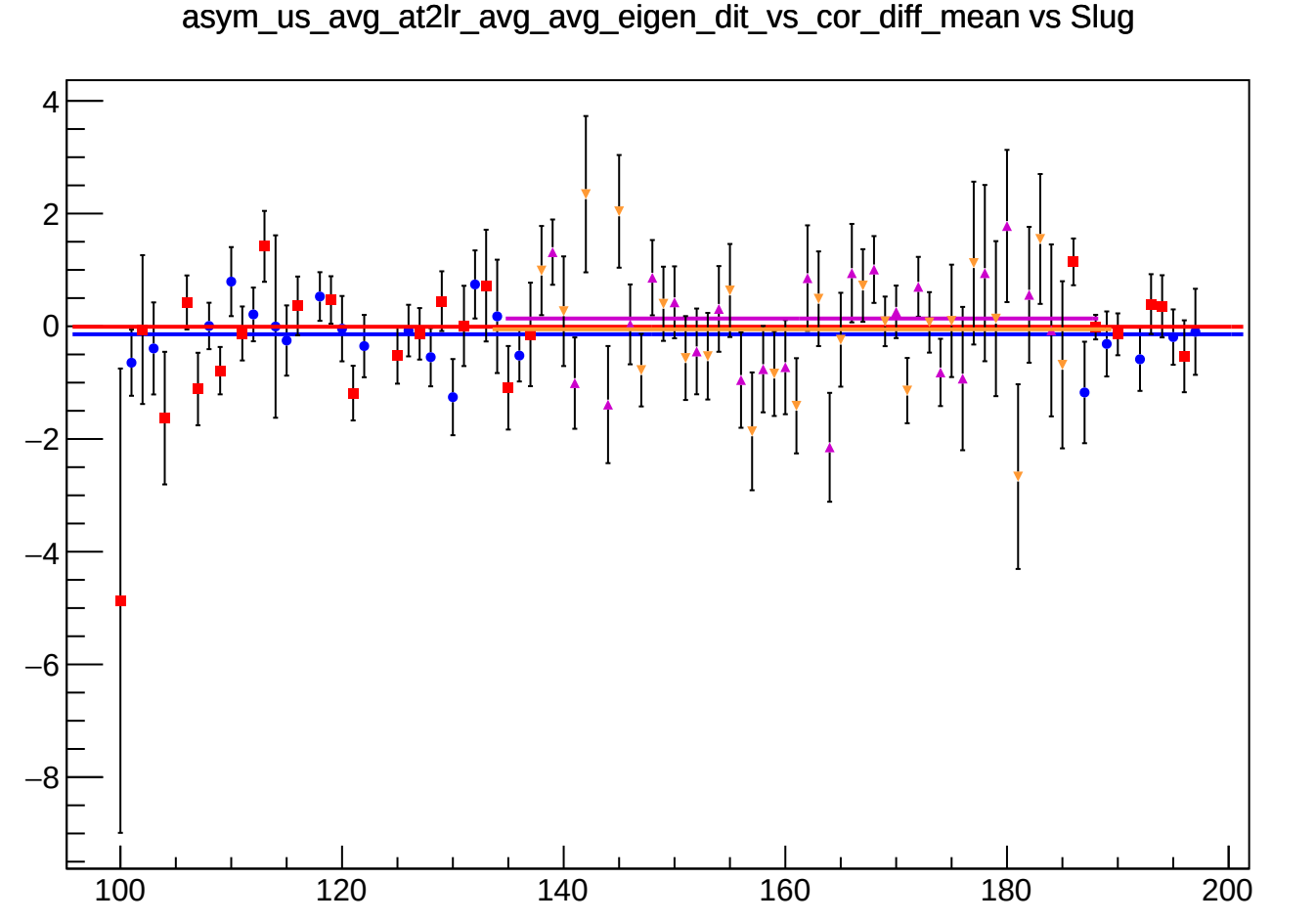
Right Out: 0.011+/-0.000 χ^2/NDF: 8613924.7/23

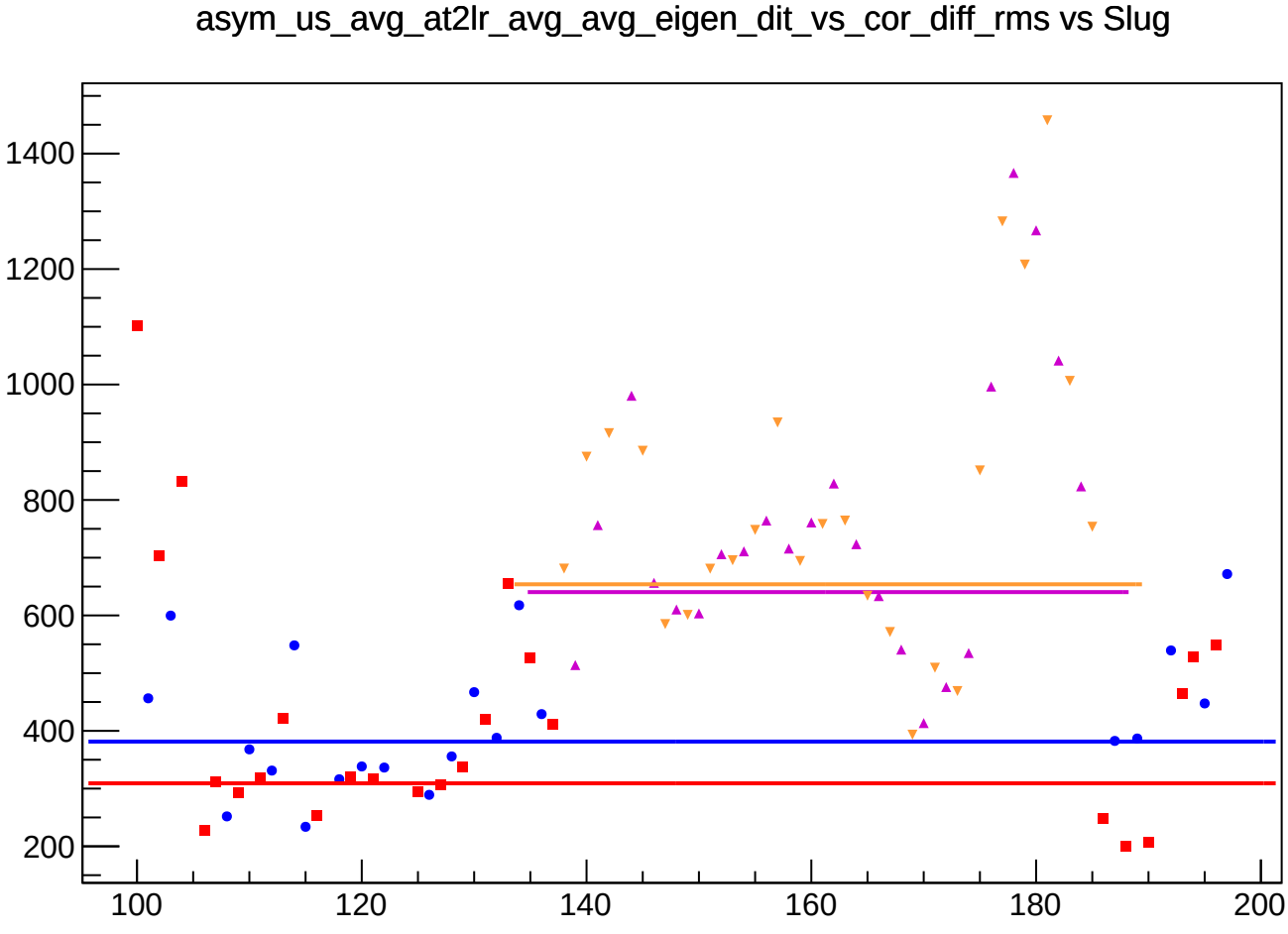
Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

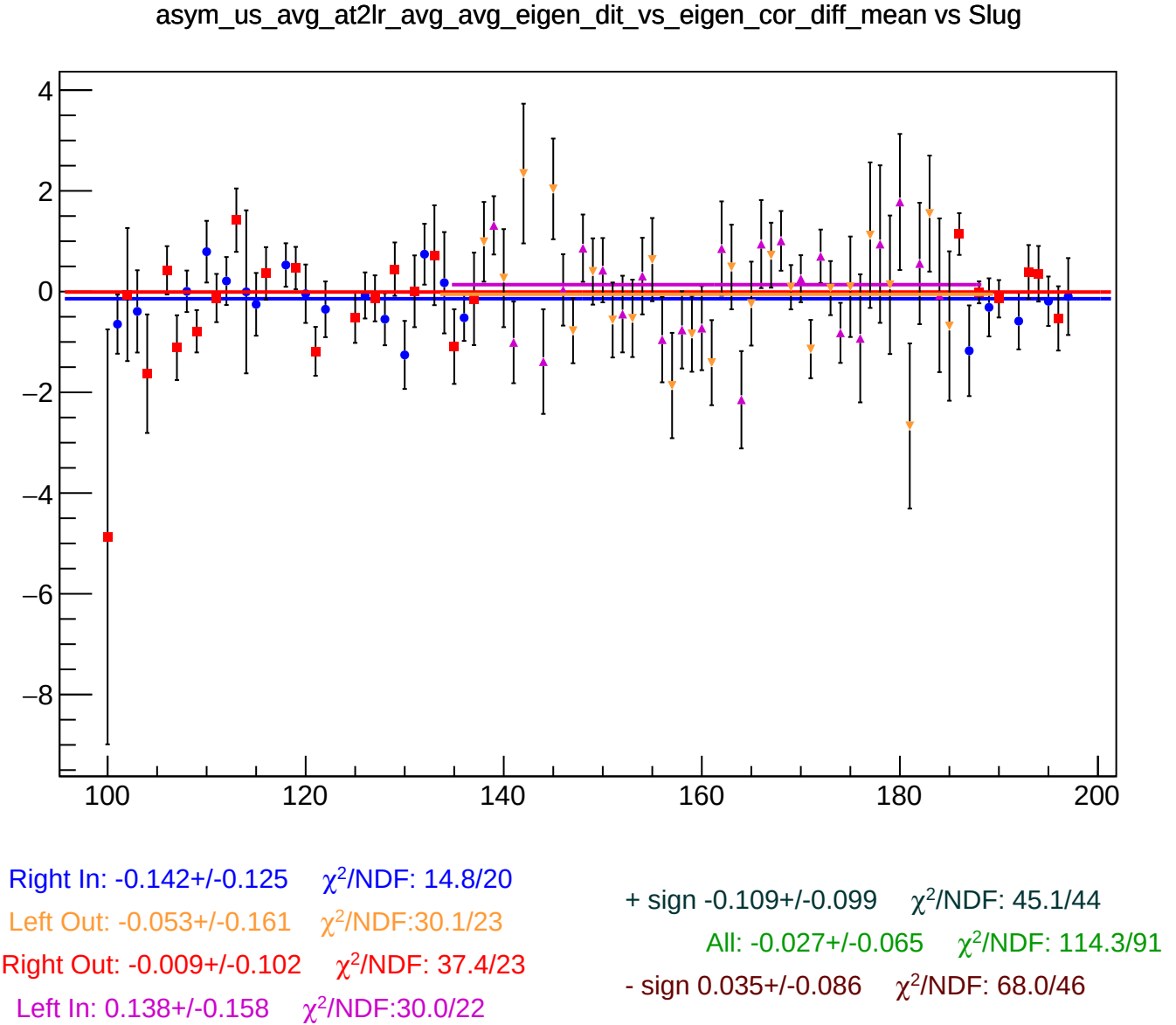
+ sign 0.013+/-0.000 χ^2/NDF: 16474364.7/44

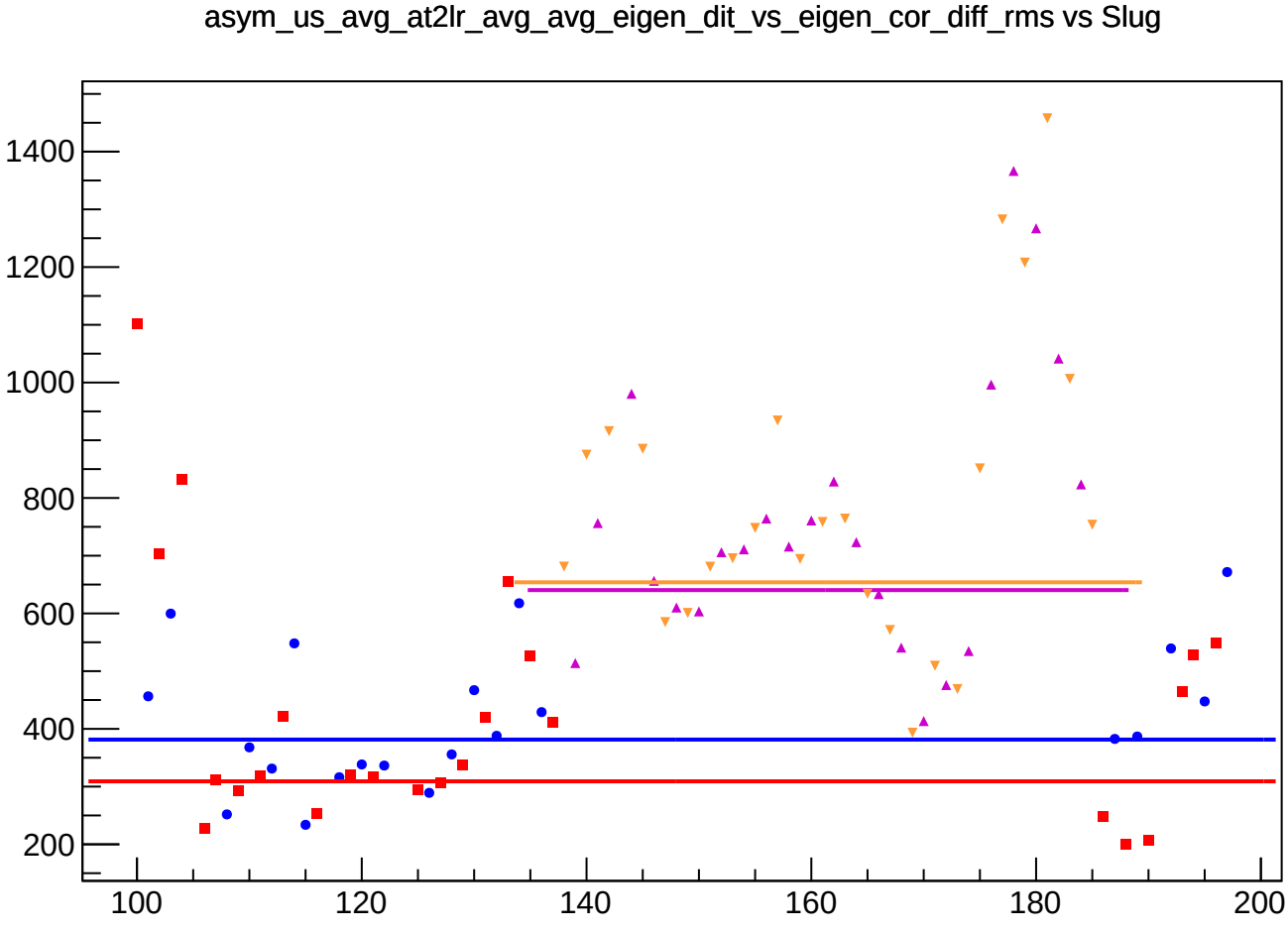
All: 0.013+/-0.000 χ^2/NDF: 32994484.1/91

- sign 0.013+/-0.000 χ^2/NDF: 16442974.3/46


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.142+/-0.125 χ²/NDF: 14.8/20
Left Out: -0.053+/-0.161 χ²/NDF:30.1/23
Right Out: -0.009+/-0.102 χ²/NDF: 37.4/23
Left In: 0.138+/-0.158 χ²/NDF:30.0/22
+ sign -0.109+/-0.099 χ²/NDF: 45.1/44
All: -0.027+/-0.065 χ²/NDF: 114.3/91
- sign 0.035+/-0.086 χ²/NDF: 68.0/46


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 381.451+/-0.088 χ²/NDF: 1333989.8/20
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 309.149+/-0.072 χ²/NDF: 2760702.1/23
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 483.297+/-0.070 χ²/NDF: 8031493.7/44
All: 439.754+/-0.046 χ²/NDF: 20332908.7/91
- sign 406.852+/-0.061 χ²/NDF: 11617065.5/46


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: -0.142+/-0.125 χ²/NDF: 14.8/20
Left Out: -0.053+/-0.161 χ²/NDF:30.1/23
Right Out: -0.009+/-0.102 χ²/NDF: 37.4/23
Left In: 0.138+/-0.158 χ²/NDF:30.0/22
+ sign -0.109+/-0.099 χ²/NDF: 45.1/44
All: -0.027+/-0.065 χ²/NDF: 114.3/91
- sign 0.035+/-0.086 χ²/NDF: 68.0/46



Right In: 381.451+/-0.088 χ^2/NDF: 1333989.8/20

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

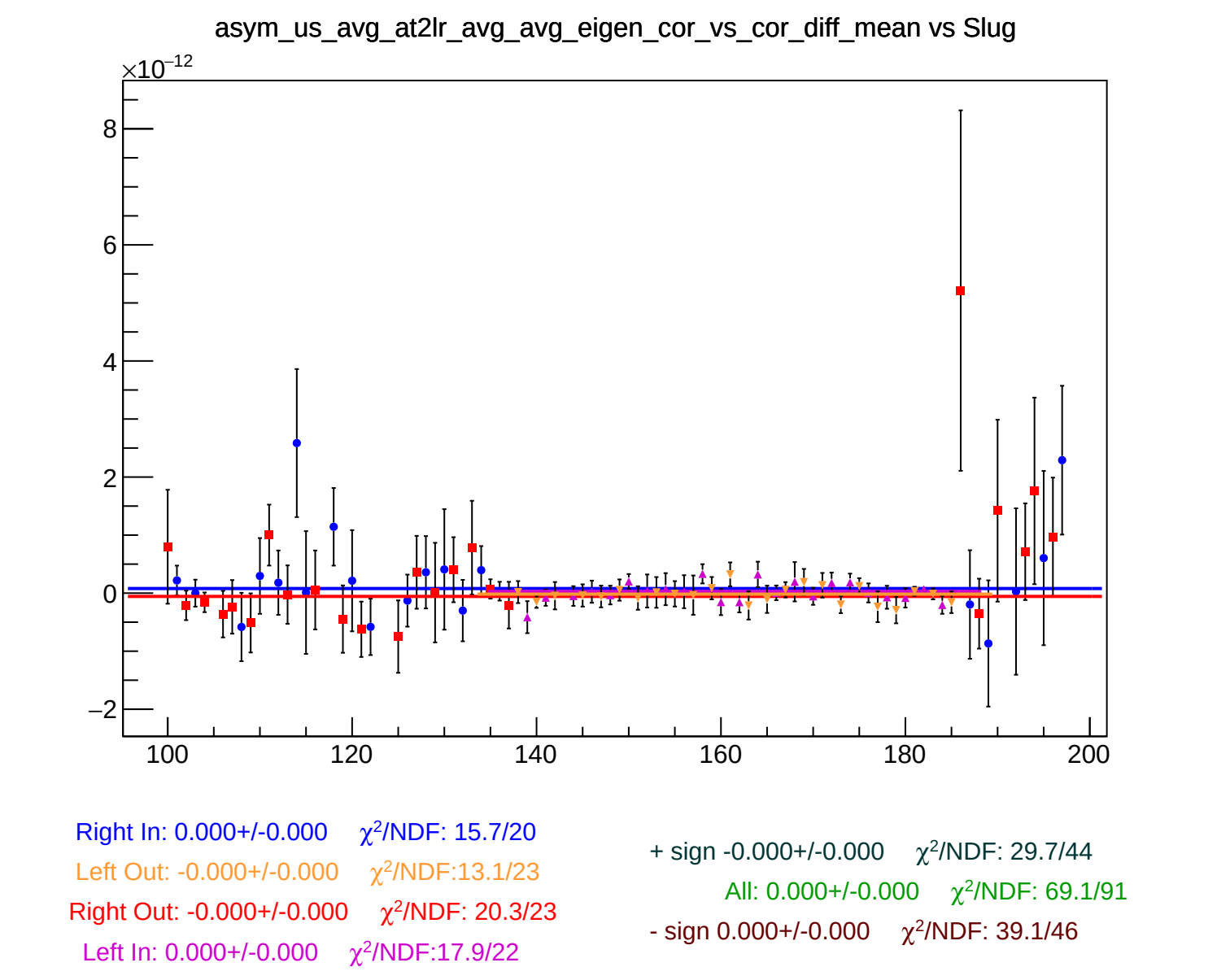
Right Out: 309.149+/-0.072 χ^2/NDF: 2760702.1/23

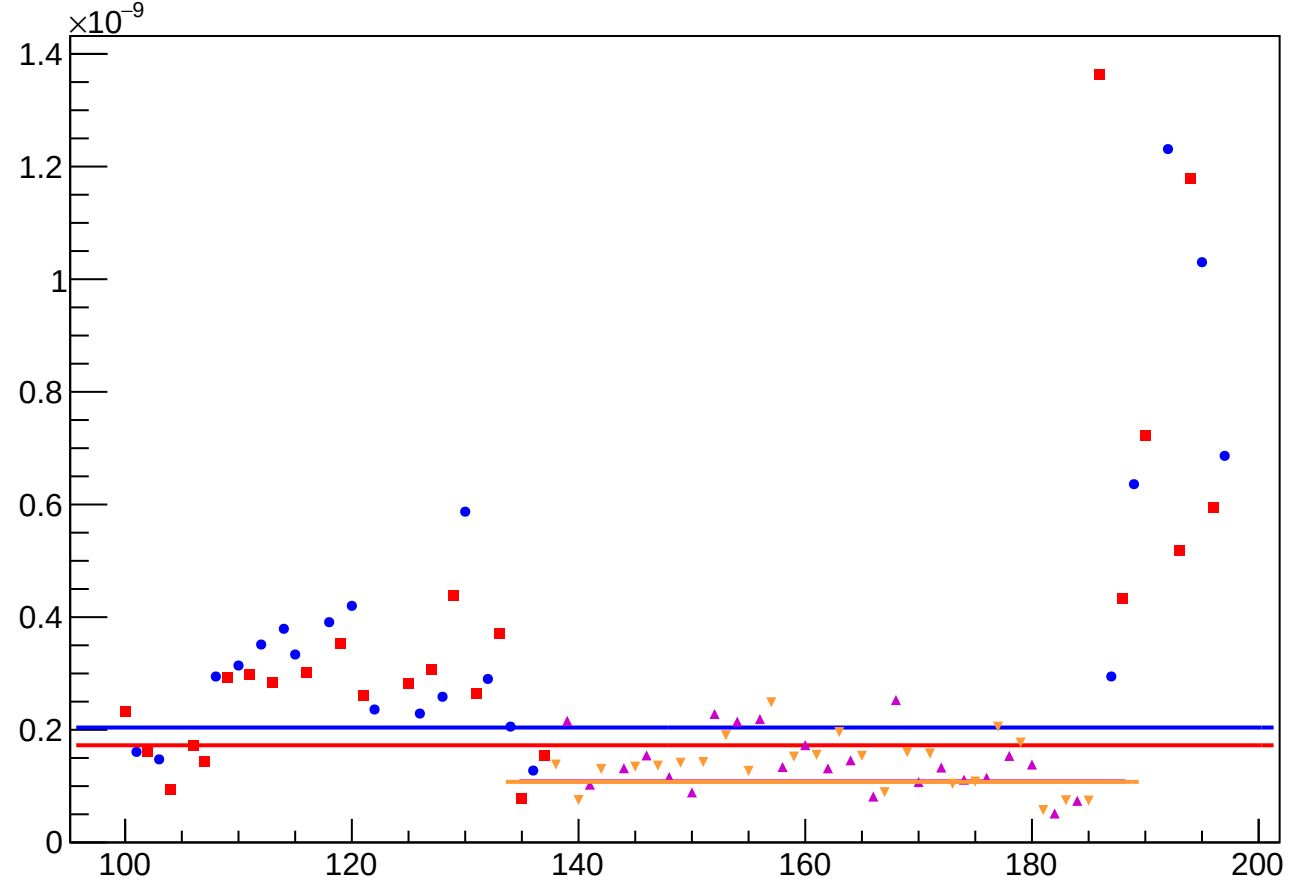
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 483.297+/-0.070 χ^2/NDF: 8031493.7/44

All: 439.754+/-0.046 χ^2/NDF: 20332908.7/91

- sign 406.852+/-0.061 χ^2/NDF: 11617065.5/46


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.7/20
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 20.3/23
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 29.7/44
All: 0.000+/-0.000 χ²/NDF: 69.1/91
- sign 0.000+/-0.000 χ²/NDF: 39.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 3819815.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4668319.8/23

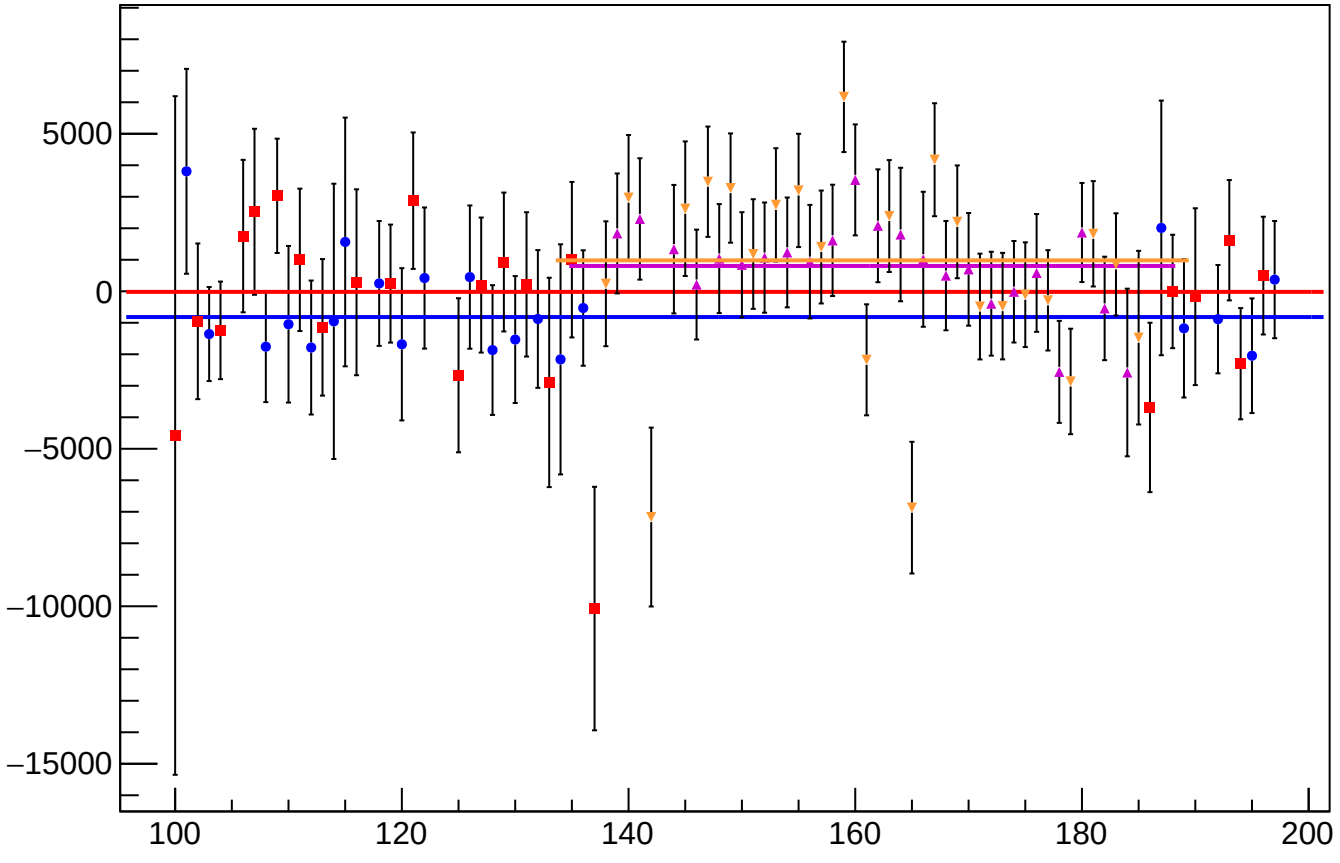
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9115787.5/44

All: 0.000+/-0.000 χ^2/NDF: 18668580.7/91

- sign 0.000+/-0.000 χ^2/NDF: 9551931.6/46

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -818.303+/-474.270 χ^2/NDF: 6.0/20

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -18.888+/-457.067 χ^2/NDF: 20.9/23

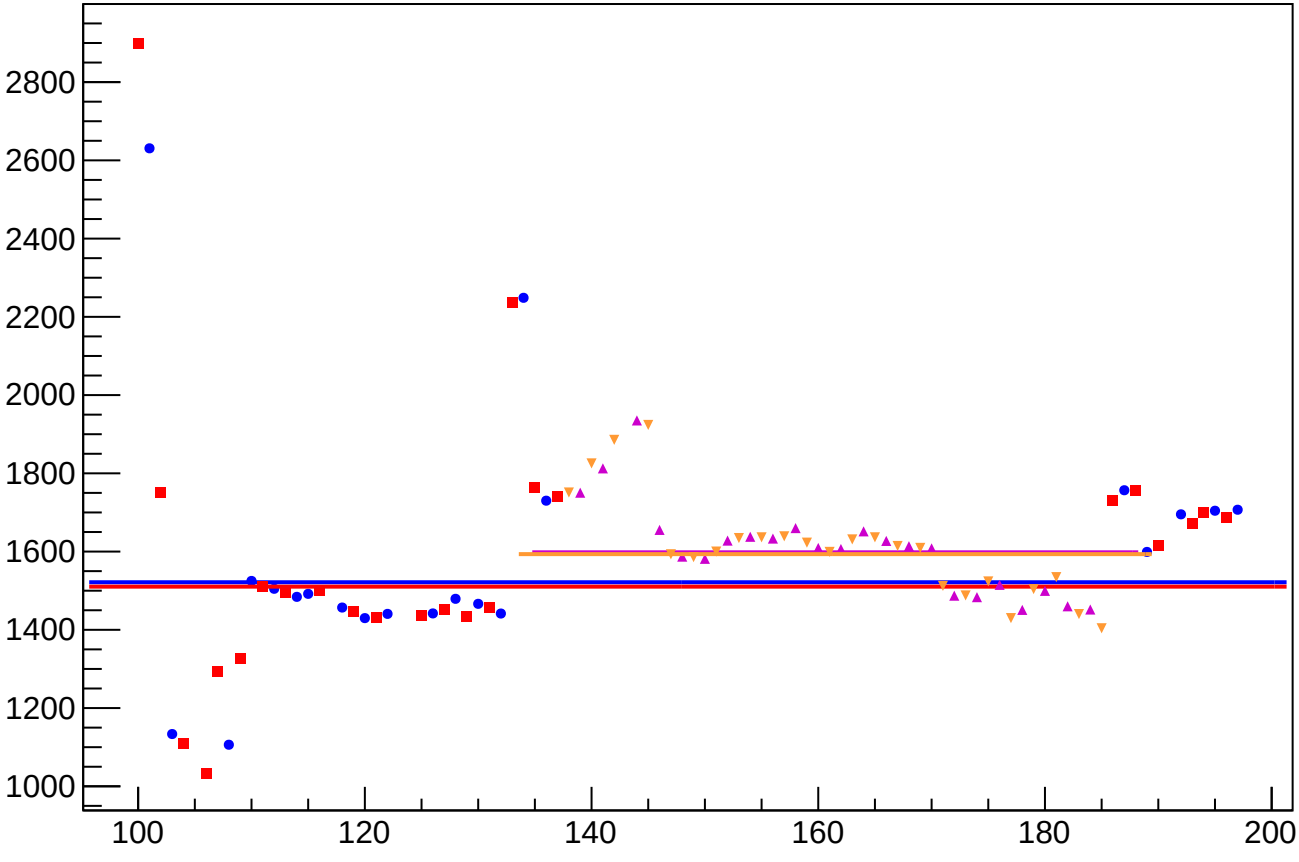
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 298.691+/-292.138 χ^2/NDF: 70.5/44

All: 387.080+/-205.626 χ^2/NDF: 106.0/91

\- sign 473.867+/-289.479 χ^2/NDF: 35.3/46

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1521.579+/-0.335 χ^2/NDF: 669535.2/20

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

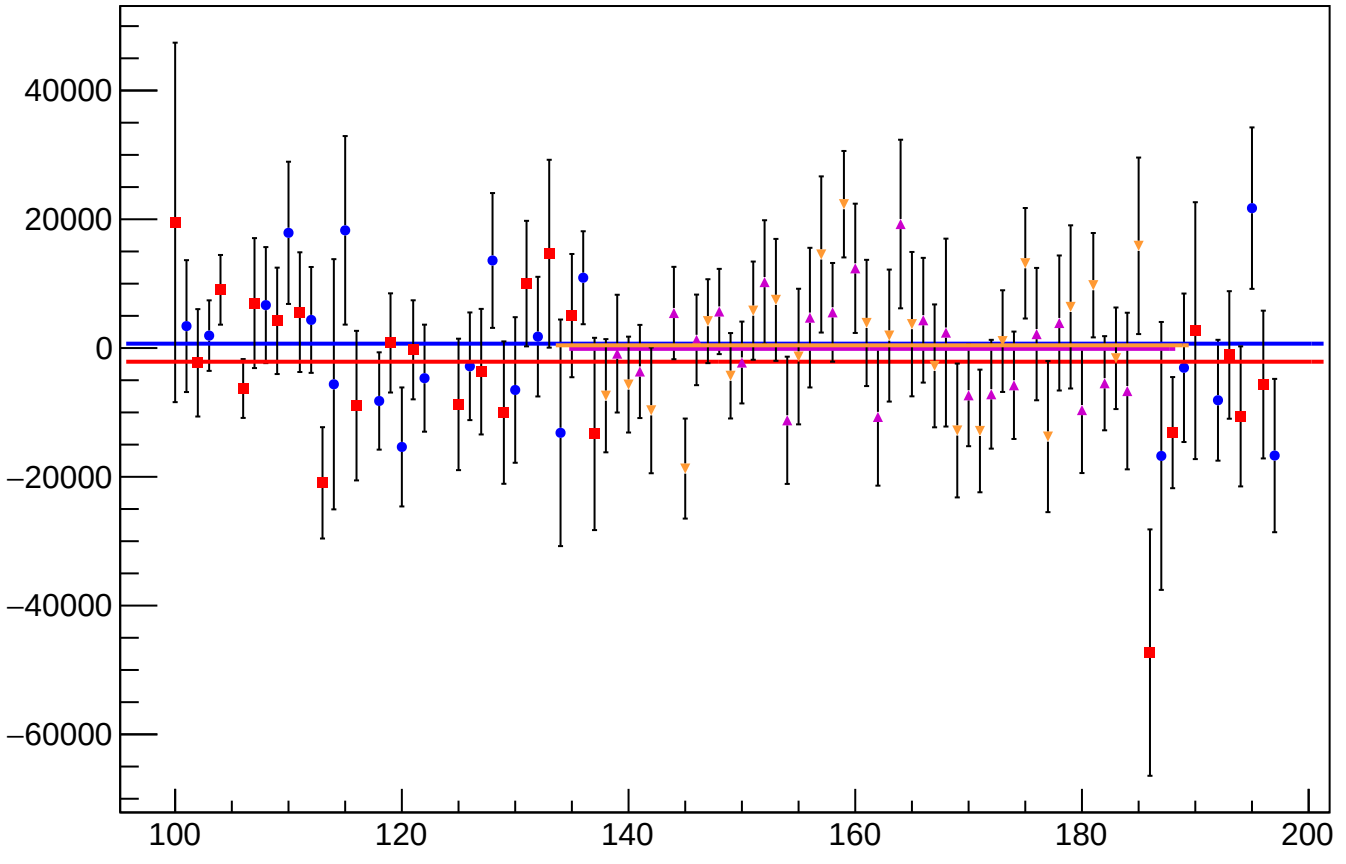
Right Out: 1510.381+/-0.322 χ^2/NDF: 564979.4/23

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1566.200+/-0.207 χ^2/NDF: 885676.9/44

All: 1564.434+/-0.145 χ^2/NDF: 1664367.2/91

- sign 1562.707+/-0.204 χ^2/NDF: 778545.8/46



Right In: 680.473+/-2089.676 χ^2/NDF: 20.9/20

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

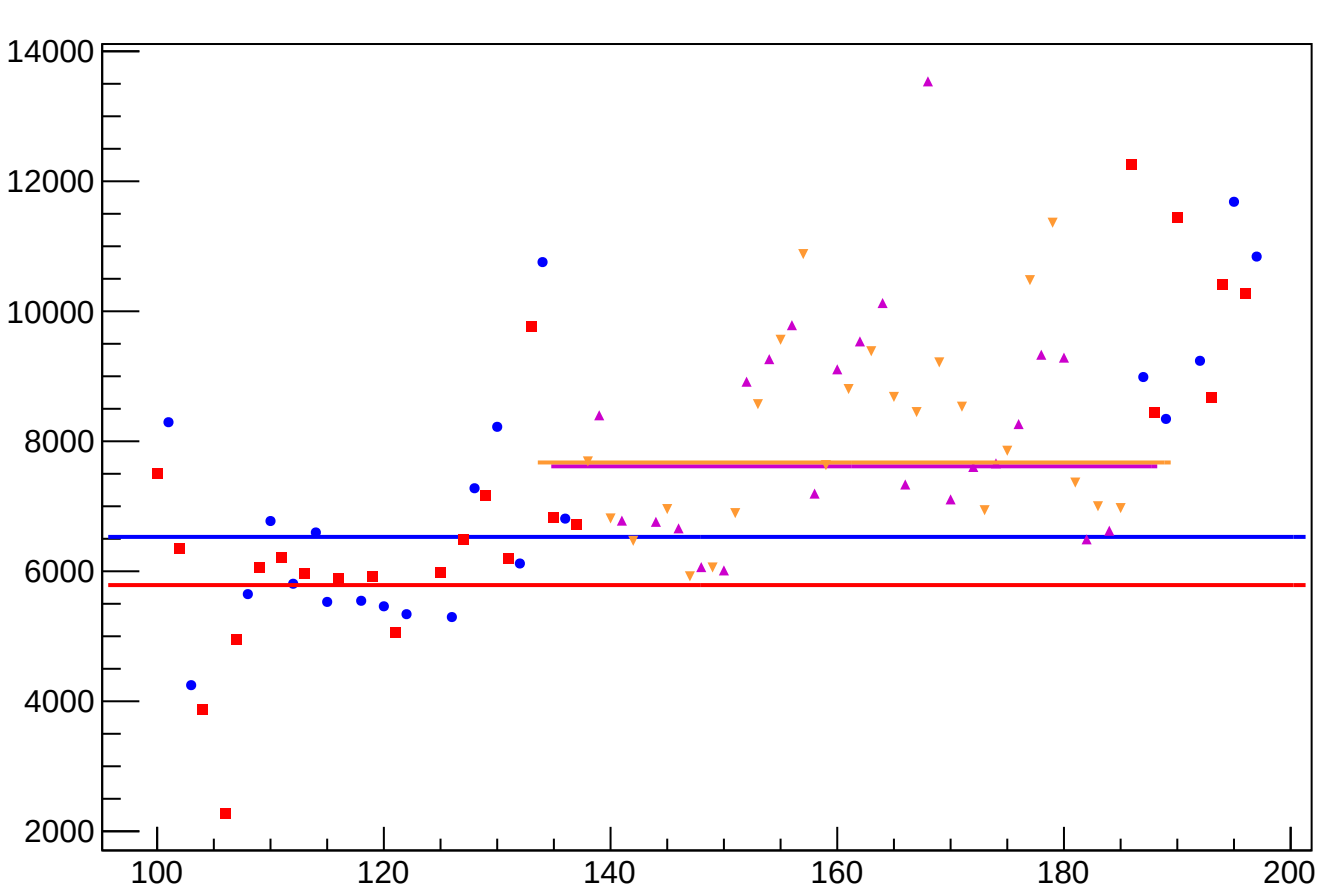
Right Out: -2124.643+/-1850.440 χ^2/NDF: 26.0/23

Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 536.157+/-1372.389 χ^2/NDF: 50.3/44

All: -332.142+/-942.138 χ^2/NDF: 91.5/91

- sign -1106.094+/-1295.685 χ^2/NDF: 40.4/46



Right In: 6528.963+/-1.478 χ^2/NDF: 1618019.8/20

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5787.722+/-1.308 χ^2/NDF: 3130255.3/23

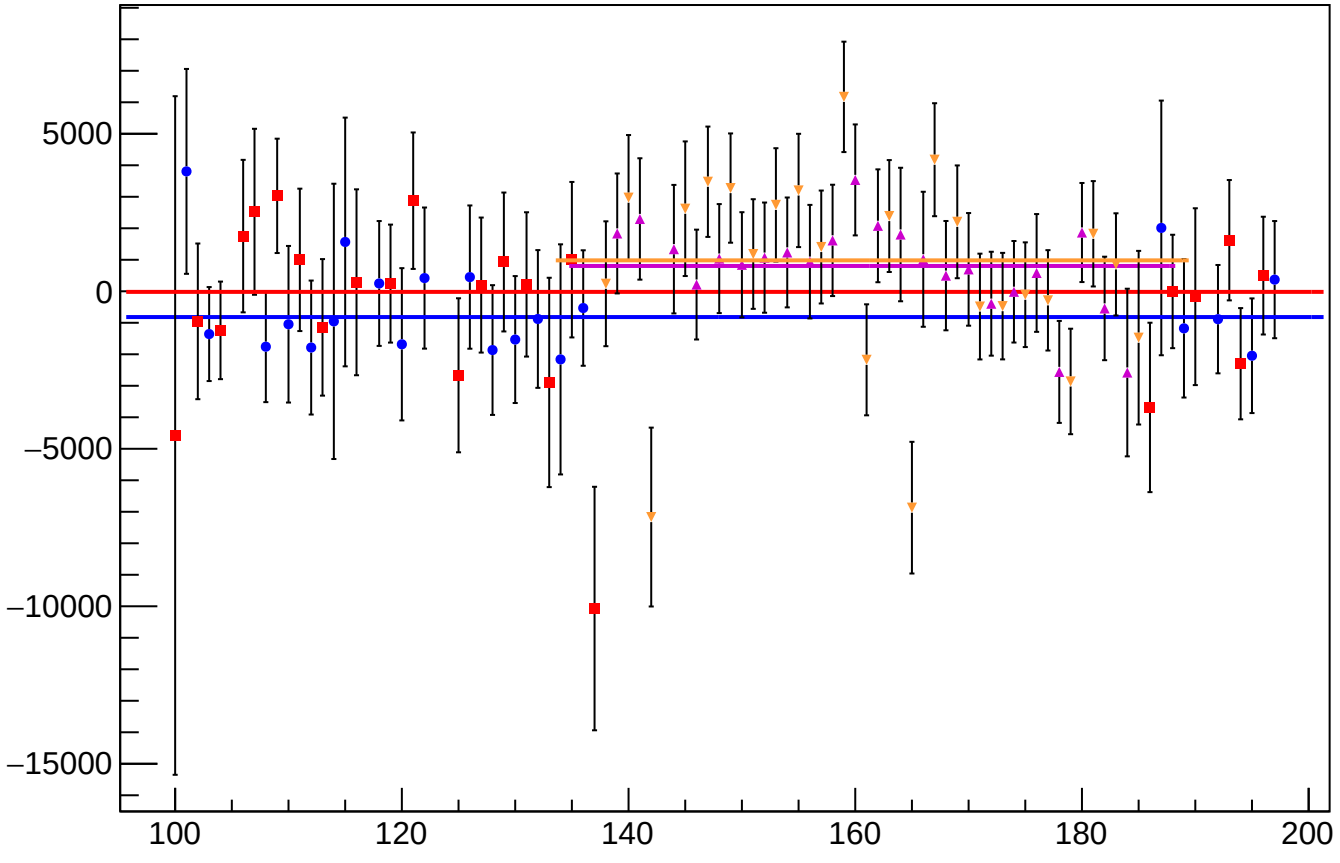
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7180.160+/-0.970 χ^2/NDF: 3036261.8/44

All: 6936.385+/-0.666 χ^2/NDF: 8504426.8/91

- sign 6719.099+/-0.916 χ^2/NDF: 5348815.0/46

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -818.394+/-474.270 χ^2/NDF: 6.0/20

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -18.983+/-457.067 χ^2/NDF: 20.9/23

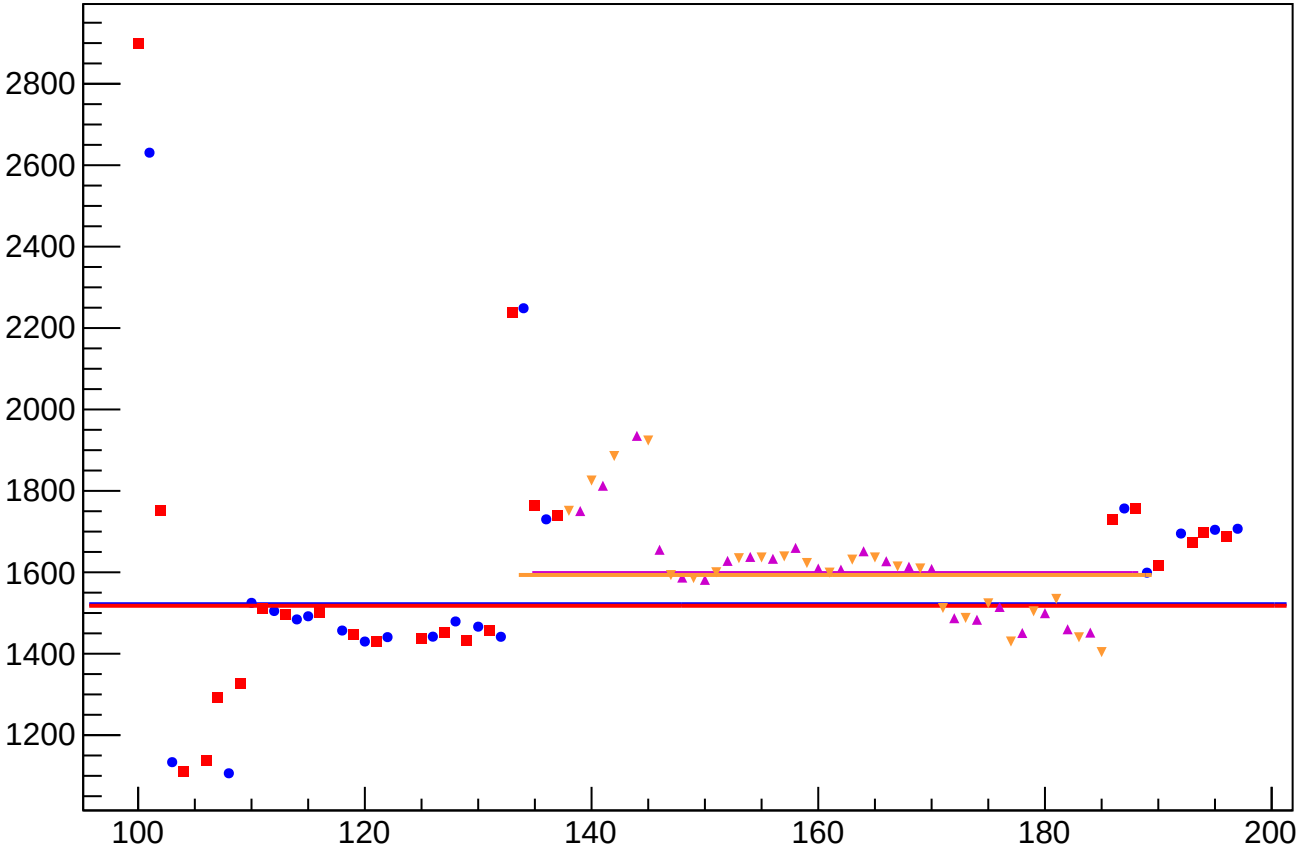
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 298.709+/-292.138 χ^2/NDF: 70.5/44

All: 387.032+/-205.626 χ^2/NDF: 106.0/91

\- sign 473.754+/-289.479 χ^2/NDF: 35.3/46

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1521.579+/-0.335 χ^2/NDF: 669535.6/20

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

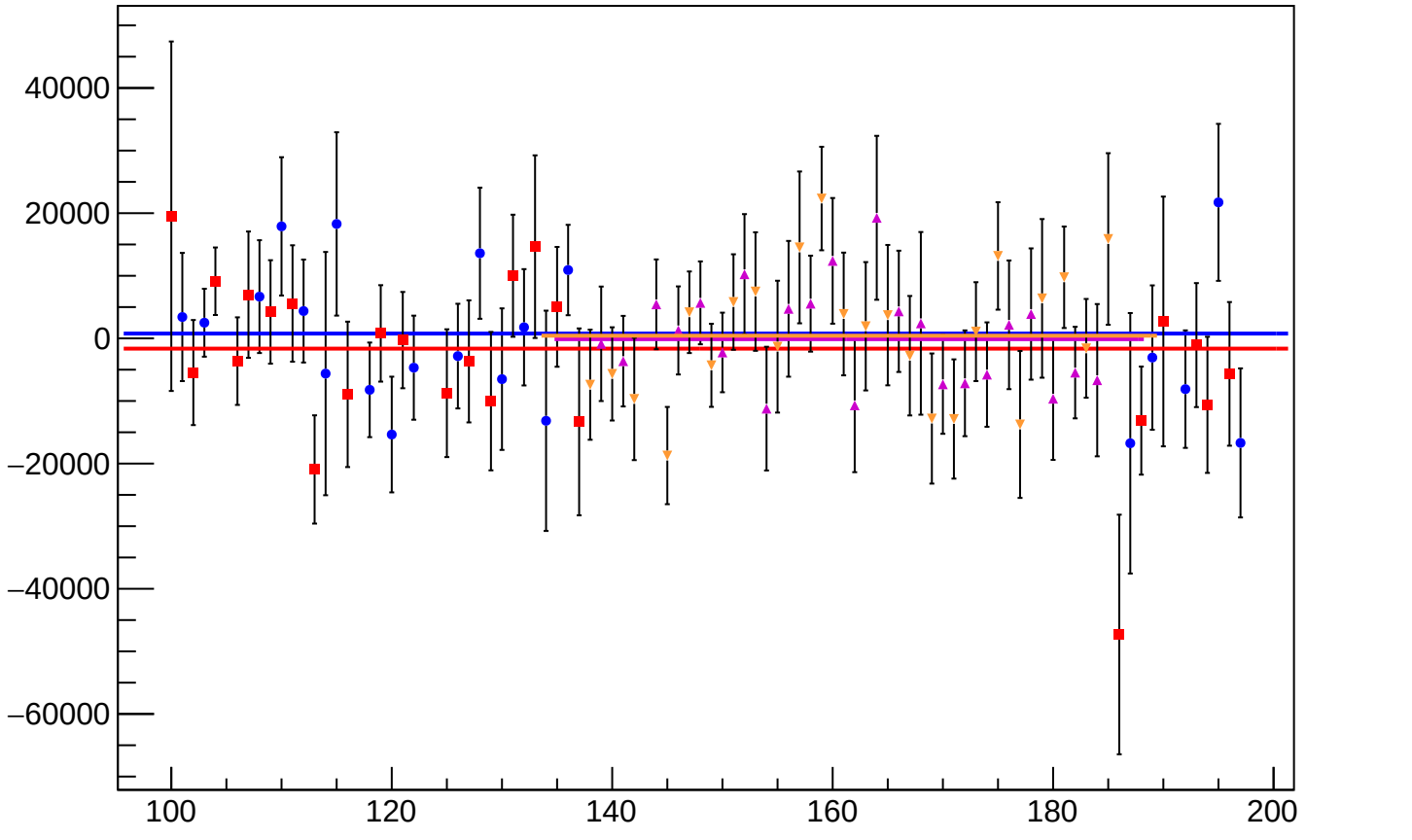
Right Out: 1517.813+/-0.323 χ^2/NDF: 516025.5/23

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1566.200+/-0.207 χ^2/NDF: 885677.3/44

All: 1566.021+/-0.145 χ^2/NDF: 1607907.2/91

- sign 1565.845+/-0.205 χ^2/NDF: 722228.4/46



Right In: 768.711+/-2086.728 χ^2/NDF: 21.0/20

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

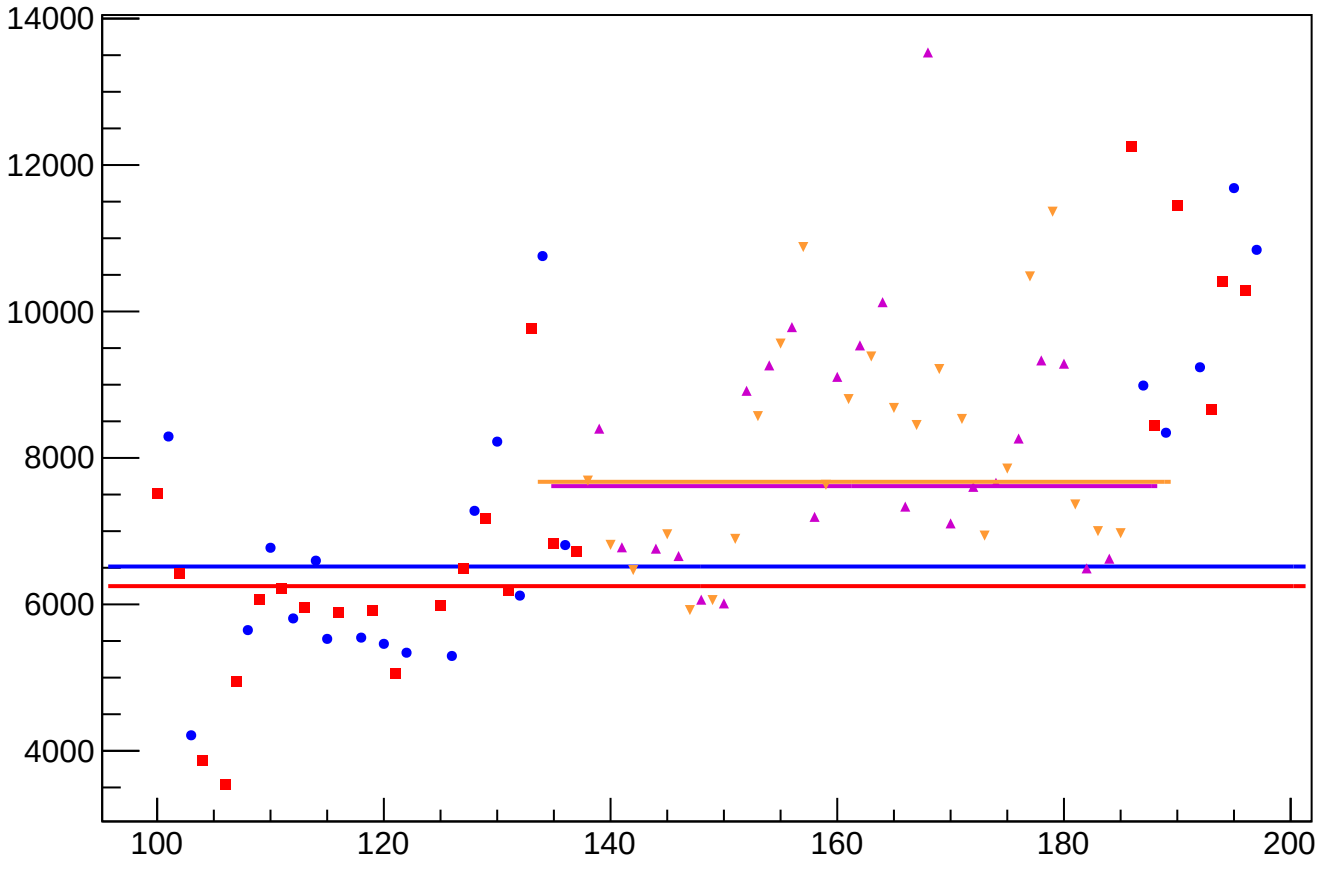
Right Out: -1638.022+/-1943.682 χ^2/NDF: 25.4/23

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 574.453+/-1371.553 χ^2/NDF: 50.4/44

All: -151.448+/-953.504 χ^2/NDF: 90.5/91

- sign -830.435+/-1326.493 χ^2/NDF: 39.6/46



Right In: 6517.237+/-1.476 χ^2/NDF: 1635801.5/20

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

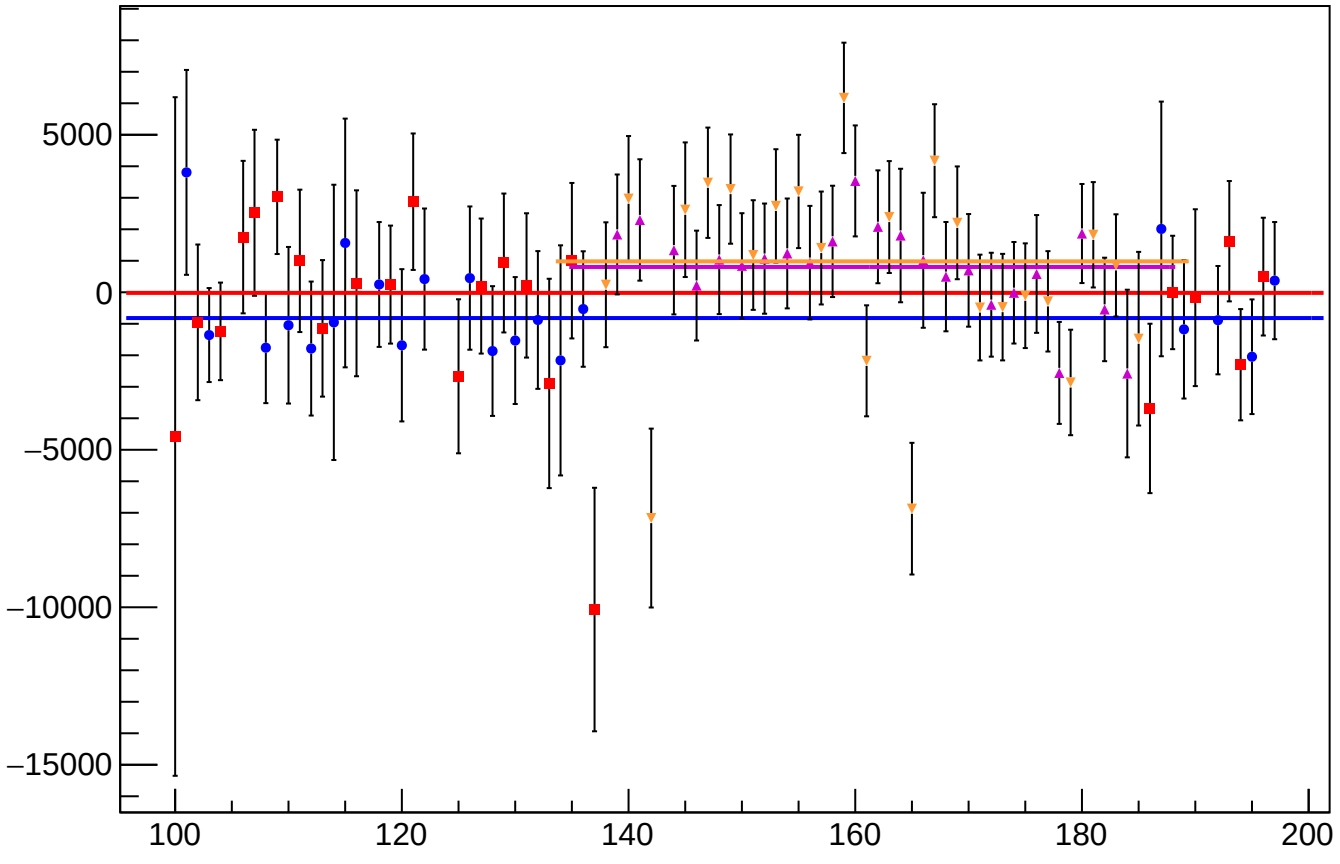
Right Out: 6249.290+/-1.374 χ^2/NDF: 2047867.4/23

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7174.302+/-0.970 χ^2/NDF: 3061634.1/44

All: 7073.334+/-0.674 χ^2/NDF: 6882491.6/91

- sign 6978.892+/-0.938 χ^2/NDF: 3799880.9/46



Right In: -818.394+/-474.270 χ^2/NDF: 6.0/20

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

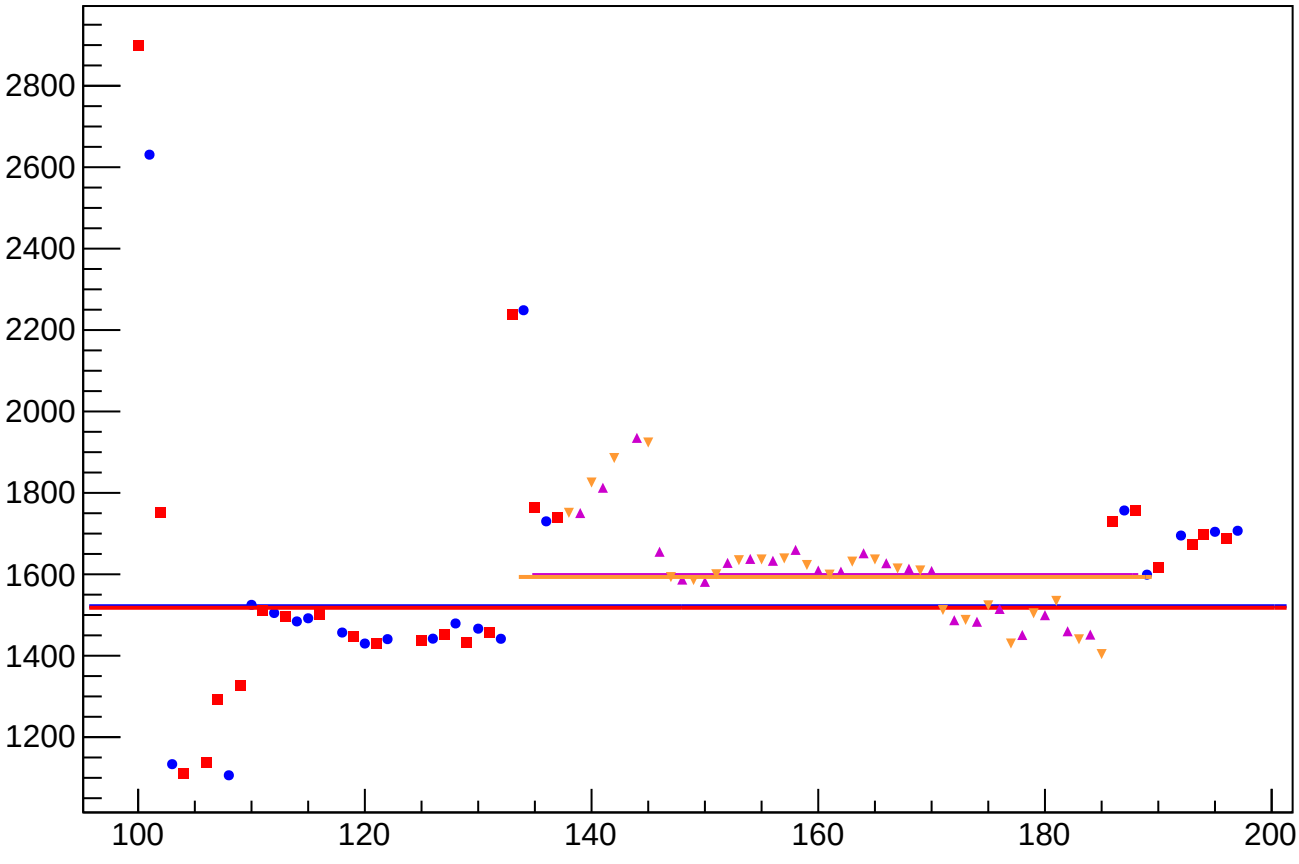
Right Out: -18.983+/-457.067 χ^2/NDF: 20.9/23

Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 298.709+/-292.138 χ^2/NDF: 70.5/44

All: 387.032+/-205.626 χ^2/NDF: 106.0/91

\- sign 473.754+/-289.479 χ^2/NDF: 35.3/46



Right In: 1521.579+/-0.335 χ^2/NDF: 669535.6/20

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

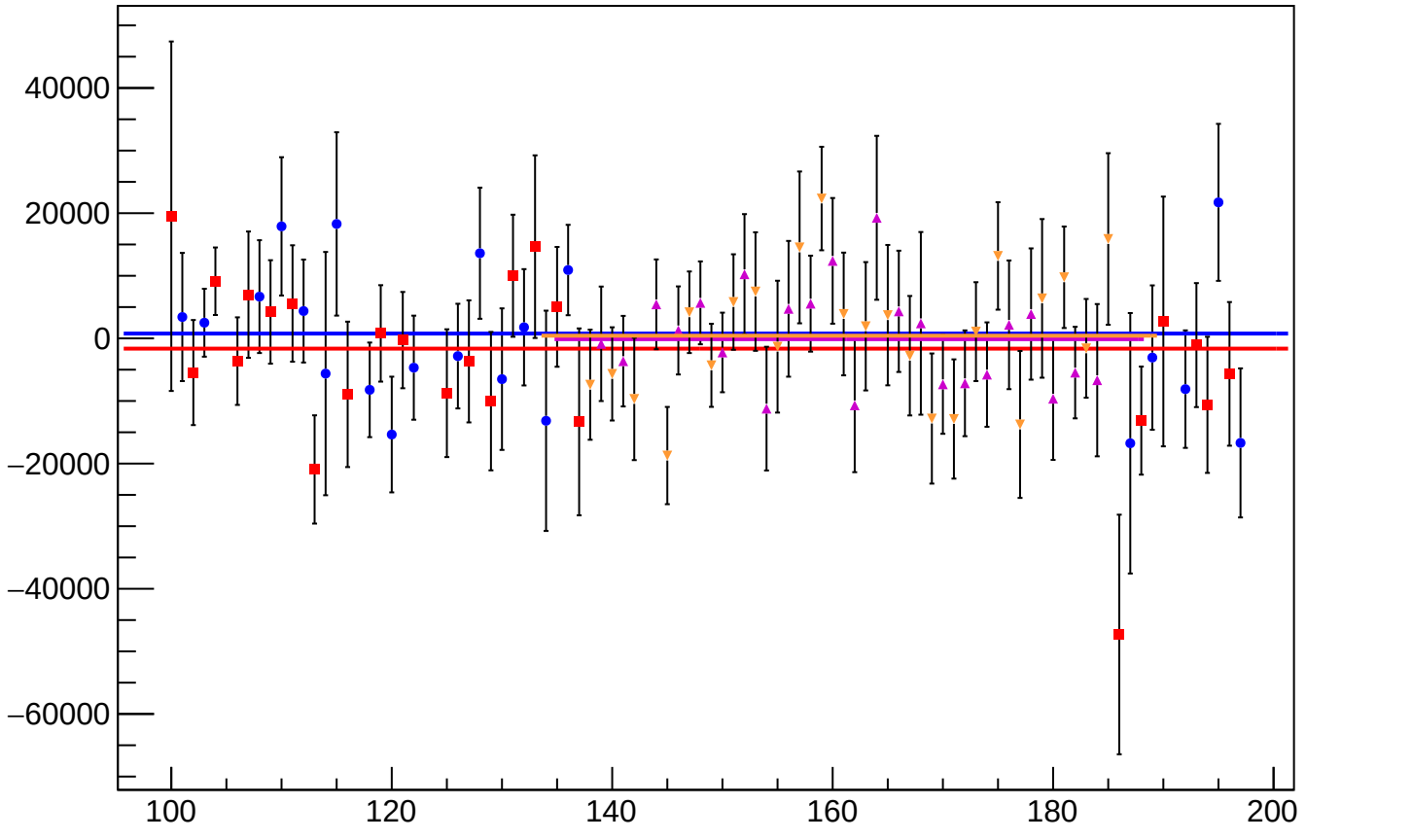
Right Out: 1517.813+/-0.323 χ^2/NDF: 516025.5/23

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1566.200+/-0.207 χ^2/NDF: 885677.3/44

All: 1566.021+/-0.145 χ^2/NDF: 1607907.2/91

- sign 1565.845+/-0.205 χ^2/NDF: 722228.4/46



Right In: 768.711+/-2086.728 χ^2/NDF: 21.0/20

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

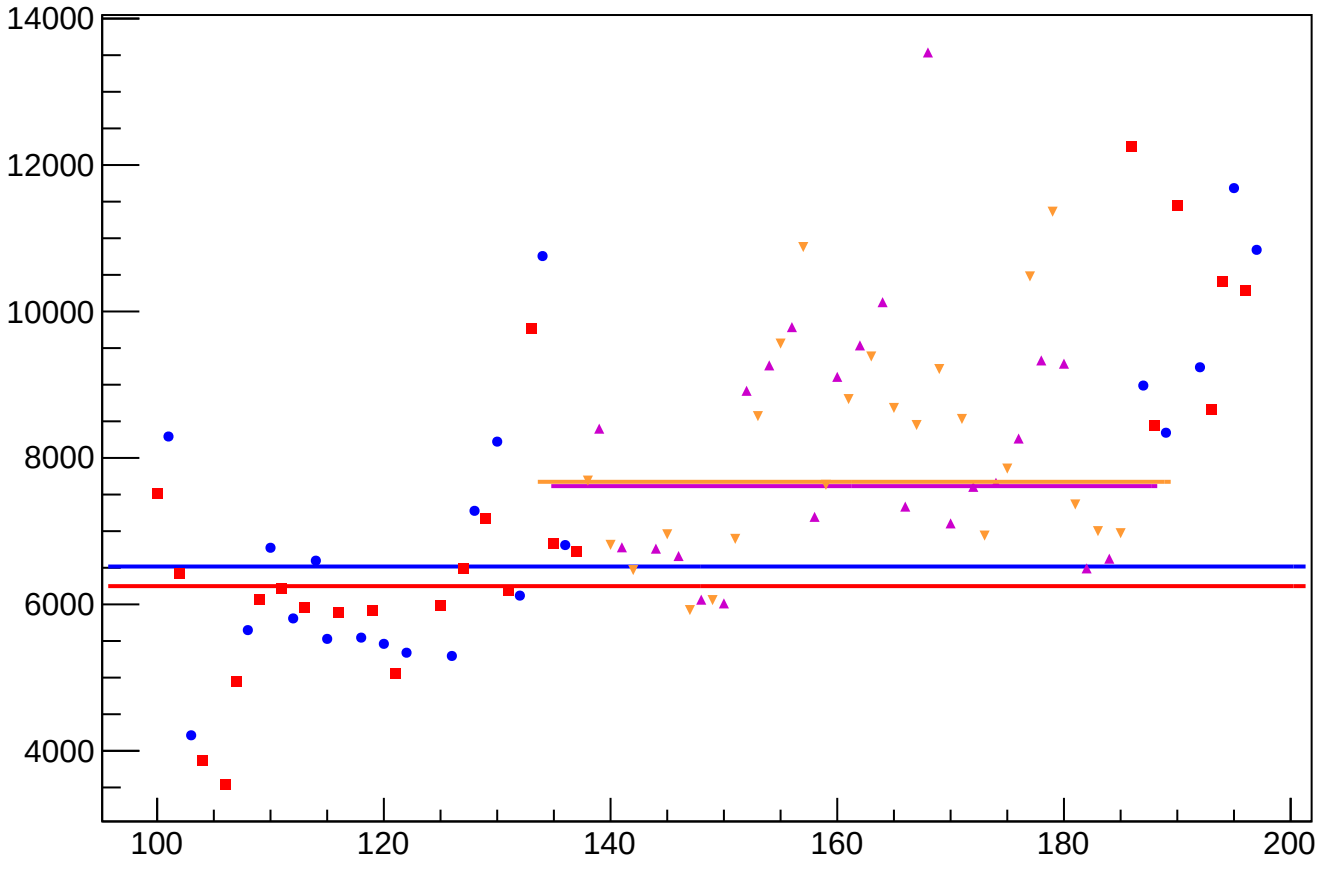
Right Out: -1638.022+/-1943.682 χ^2/NDF: 25.4/23

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 574.453+/-1371.553 χ^2/NDF: 50.4/44

All: -151.448+/-953.504 χ^2/NDF: 90.5/91

- sign -830.435+/-1326.493 χ^2/NDF: 39.6/46



Right In: 6517.237+/-1.476 χ^2/NDF: 1635801.5/20

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6249.290+/-1.374 χ^2/NDF: 2047867.4/23

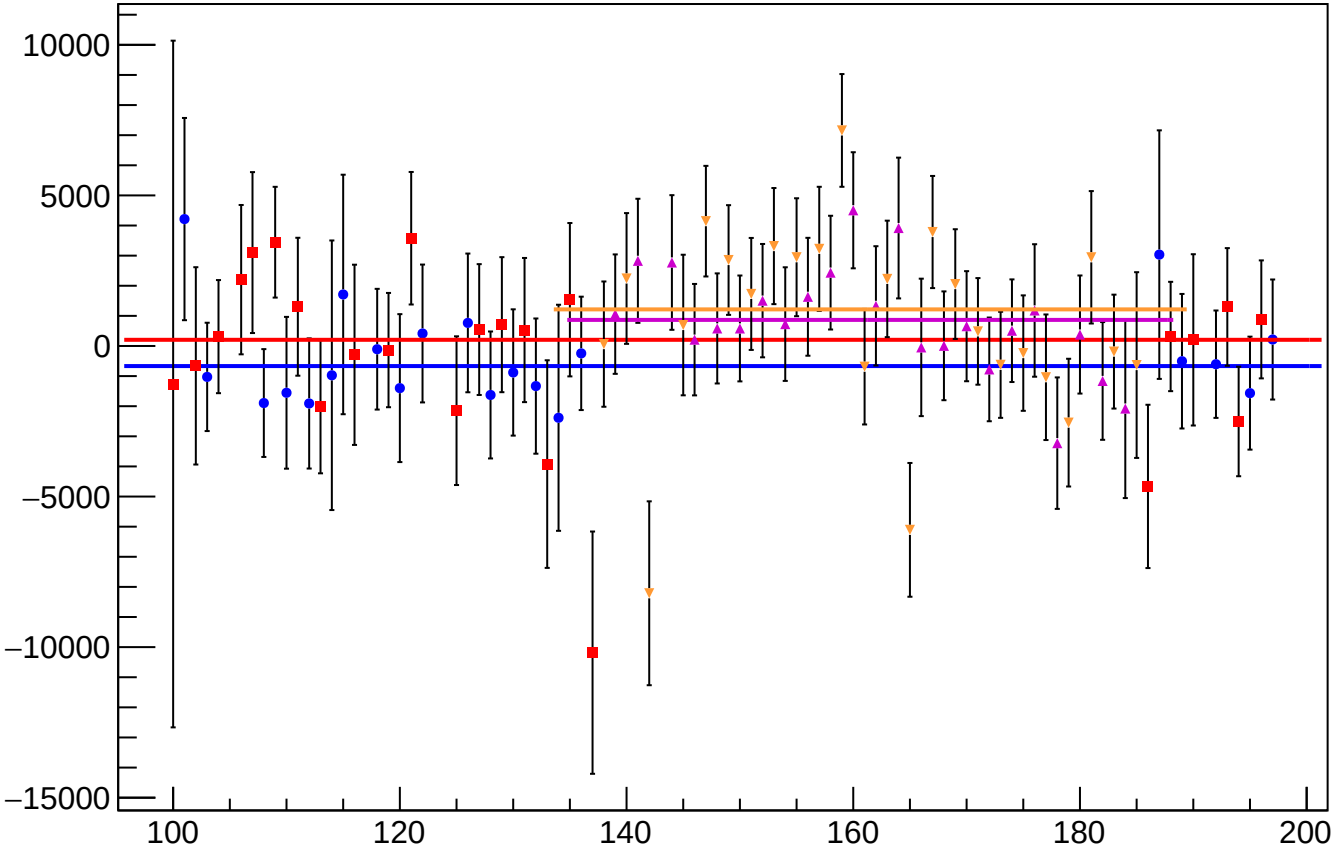
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7174.302+/-0.970 χ^2/NDF: 3061634.1/44

All: 7073.334+/-0.674 χ^2/NDF: 6882491.6/91

- sign 6978.892+/-0.938 χ^2/NDF: 3799880.9/46

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -667.148+/-493.740 χ^2/NDF: 6.0/20

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 204.985+/-476.109 χ^2/NDF: 23.9/23

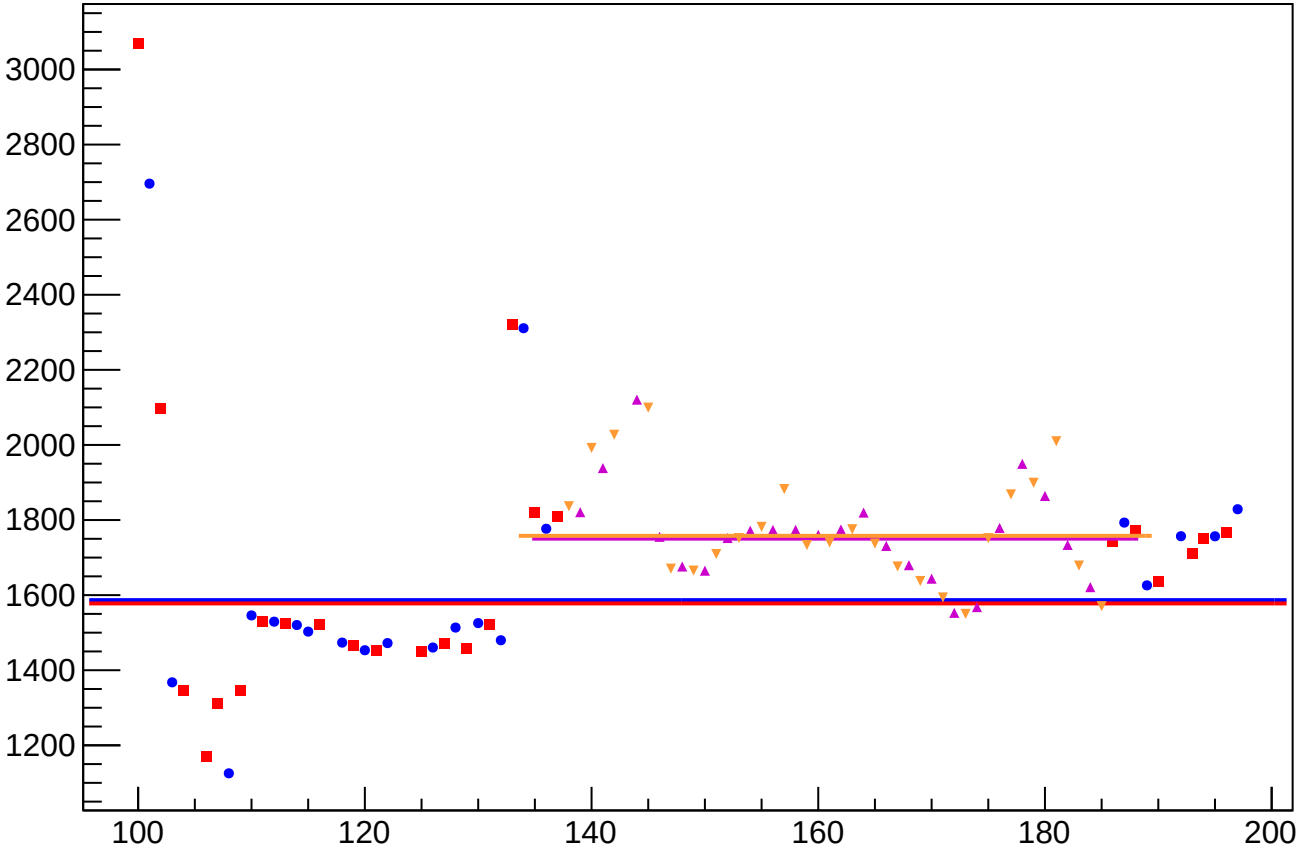
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 447.970+/-315.236 χ^2/NDF: 63.1/44

All: 517.234+/-221.283 χ^2/NDF: 103.3/91

- sign 584.517+/-310.696 χ^2/NDF: 40.2/46

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1586.644+/-0.349 χ^2/NDF: 580518.4/20

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

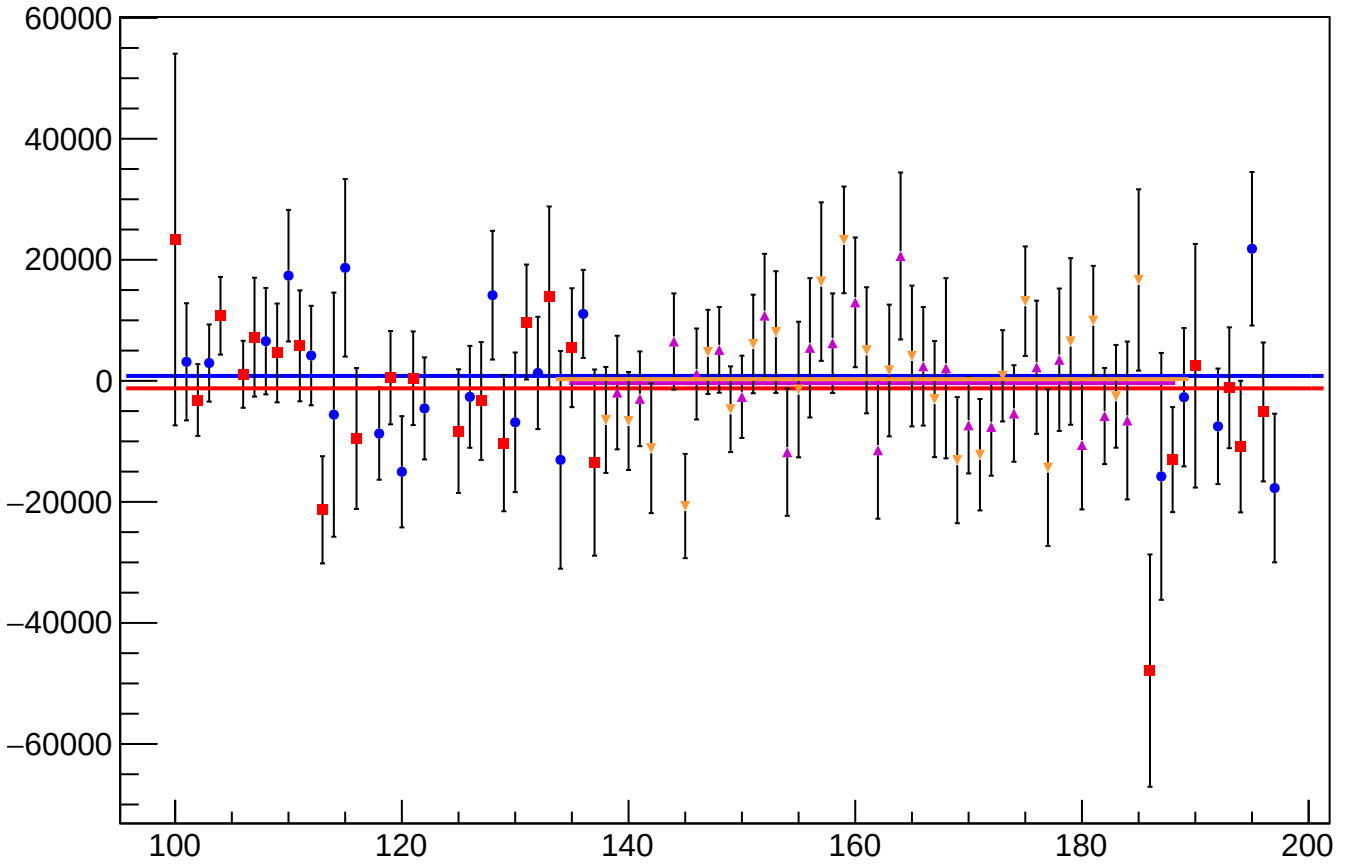
Right Out: 1577.883+/-0.337 χ^2/NDF: 449337.0/23

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1688.128+/-0.223 χ^2/NDF: 936441.6/44

All: 1682.463+/-0.156 χ^2/NDF: 1709876.4/91

- sign 1676.961+/-0.220 χ^2/NDF: 772161.5/46



Right In: 810.979+/-2133.713 χ^2/NDF: 20.9/20

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

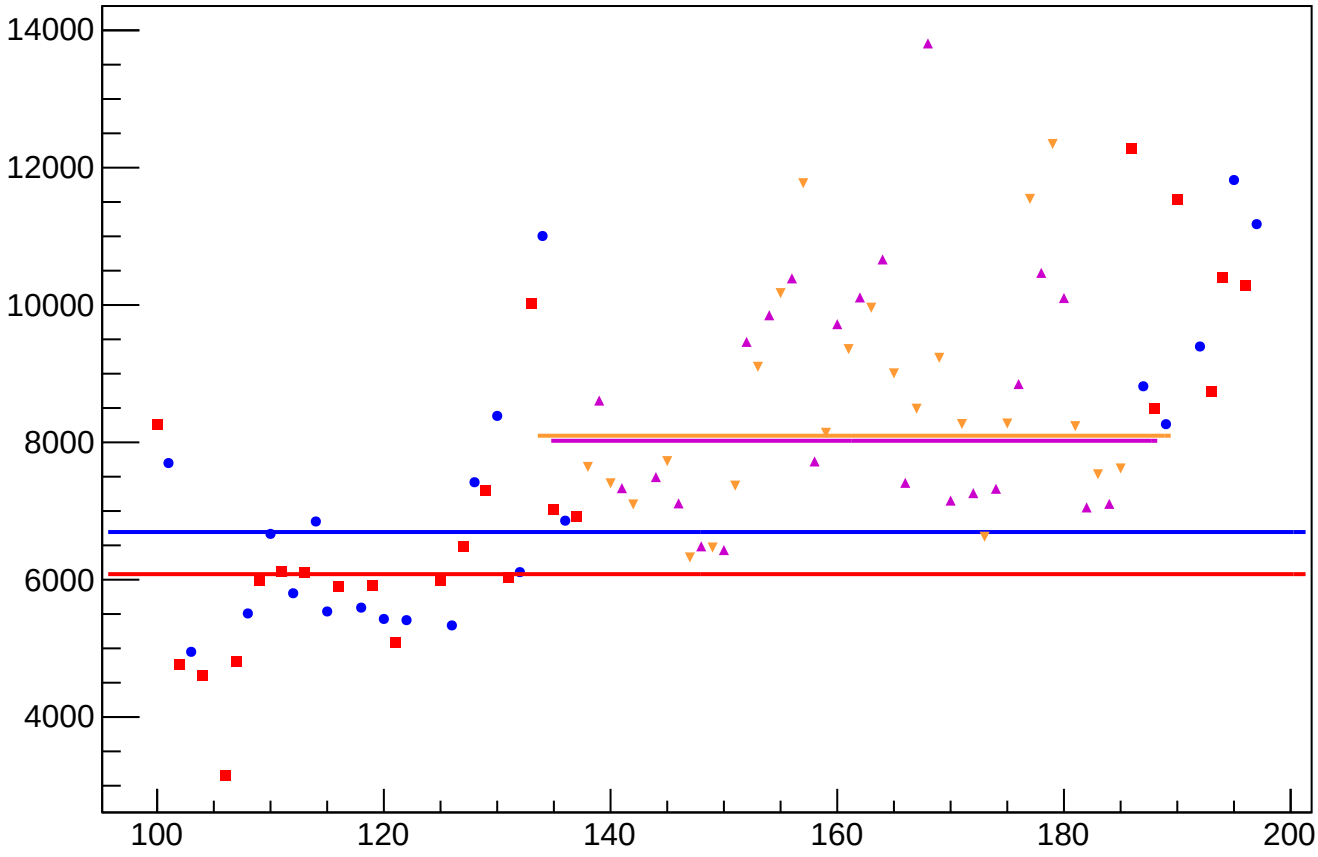
Right Out: -1243.461+/-1889.847 χ^2/NDF: 25.3/23

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 520.313+/-1427.294 χ^2/NDF: 49.6/44

All: -189.008+/-978.559 χ^2/NDF: 89.1/91

- sign -818.163+/-1344.221 χ^2/NDF: 39.0/46



Right In: 6694.102+/-1.509 χ^2/NDF: 1410616.5/20

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

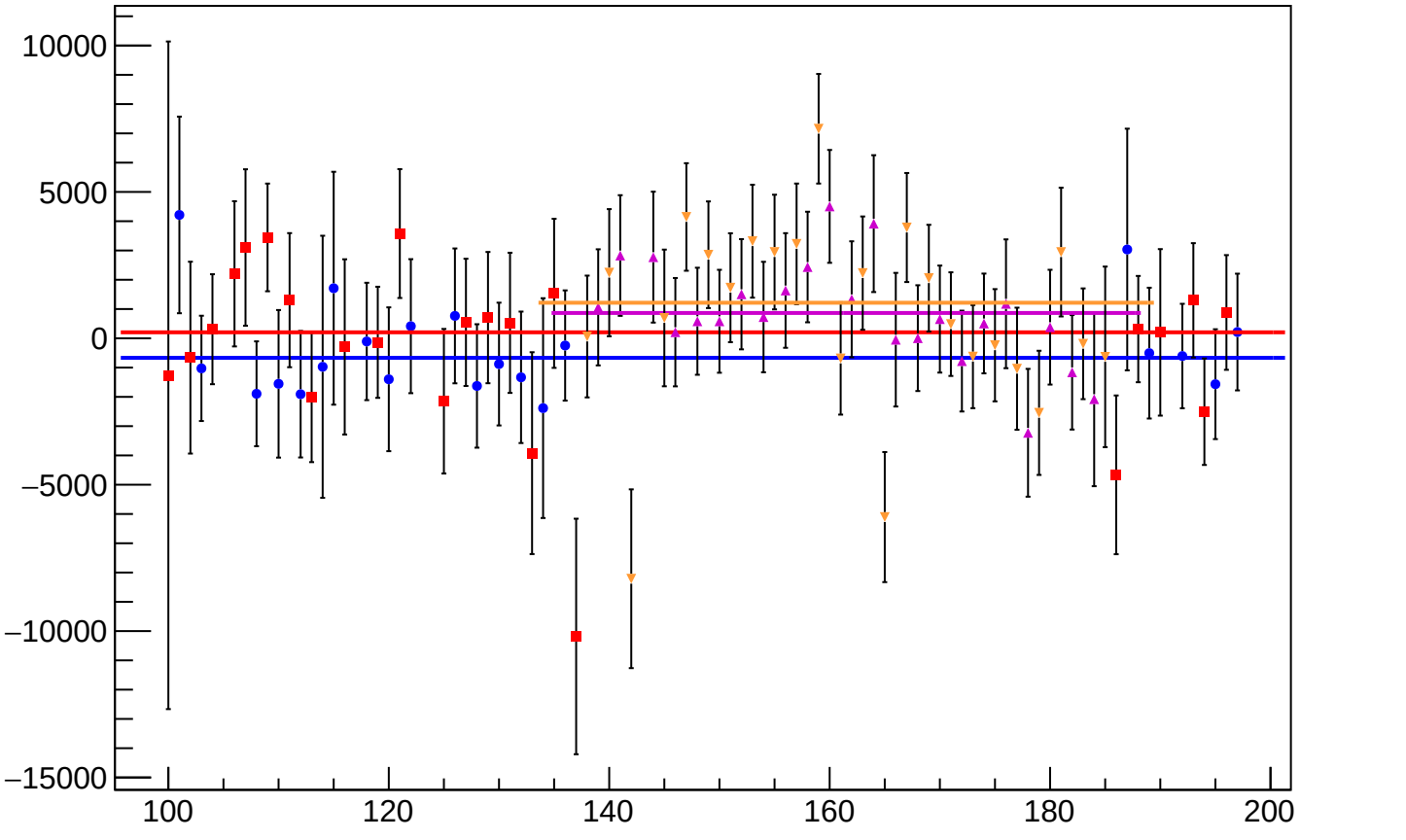
Right Out: 6080.803+/-1.336 χ^2/NDF: 2266953.9/23

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7469.160+/-1.009 χ^2/NDF: 2976005.8/44

All: 7241.862+/-0.692 χ^2/NDF: 7607573.0/91

- sign 7040.254+/-0.951 χ^2/NDF: 4535856.8/46



Right In: -667.150+/-493.740 χ^2/NDF: 6.0/20

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 204.993+/-476.109 χ^2/NDF: 23.9/23

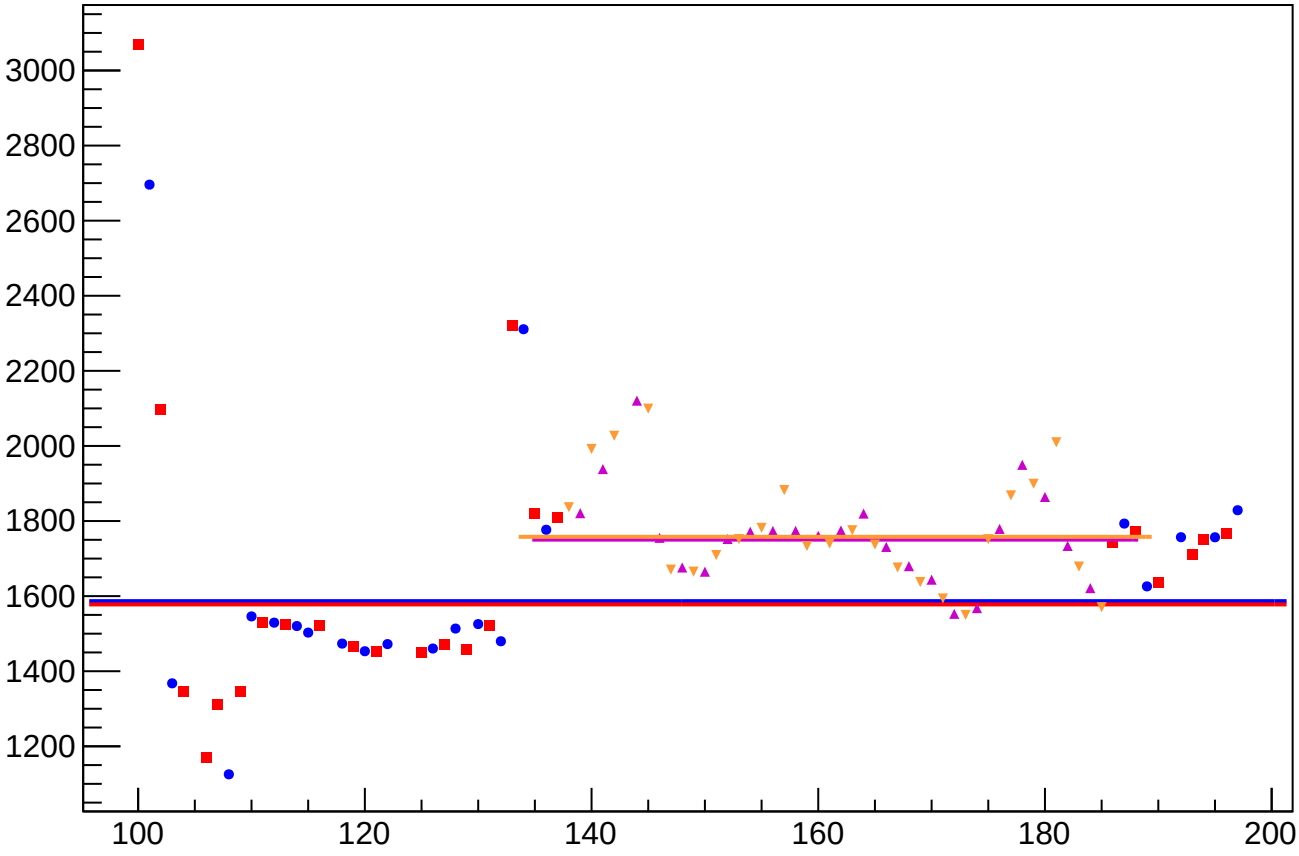
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 447.972+/-315.237 χ^2/NDF: 63.1/44

All: 517.236+/-221.283 χ^2/NDF: 103.3/91

\- sign 584.519+/-310.697 χ^2/NDF: 40.2/46

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1586.644+/-0.349 χ^2/NDF: 580518.4/20

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

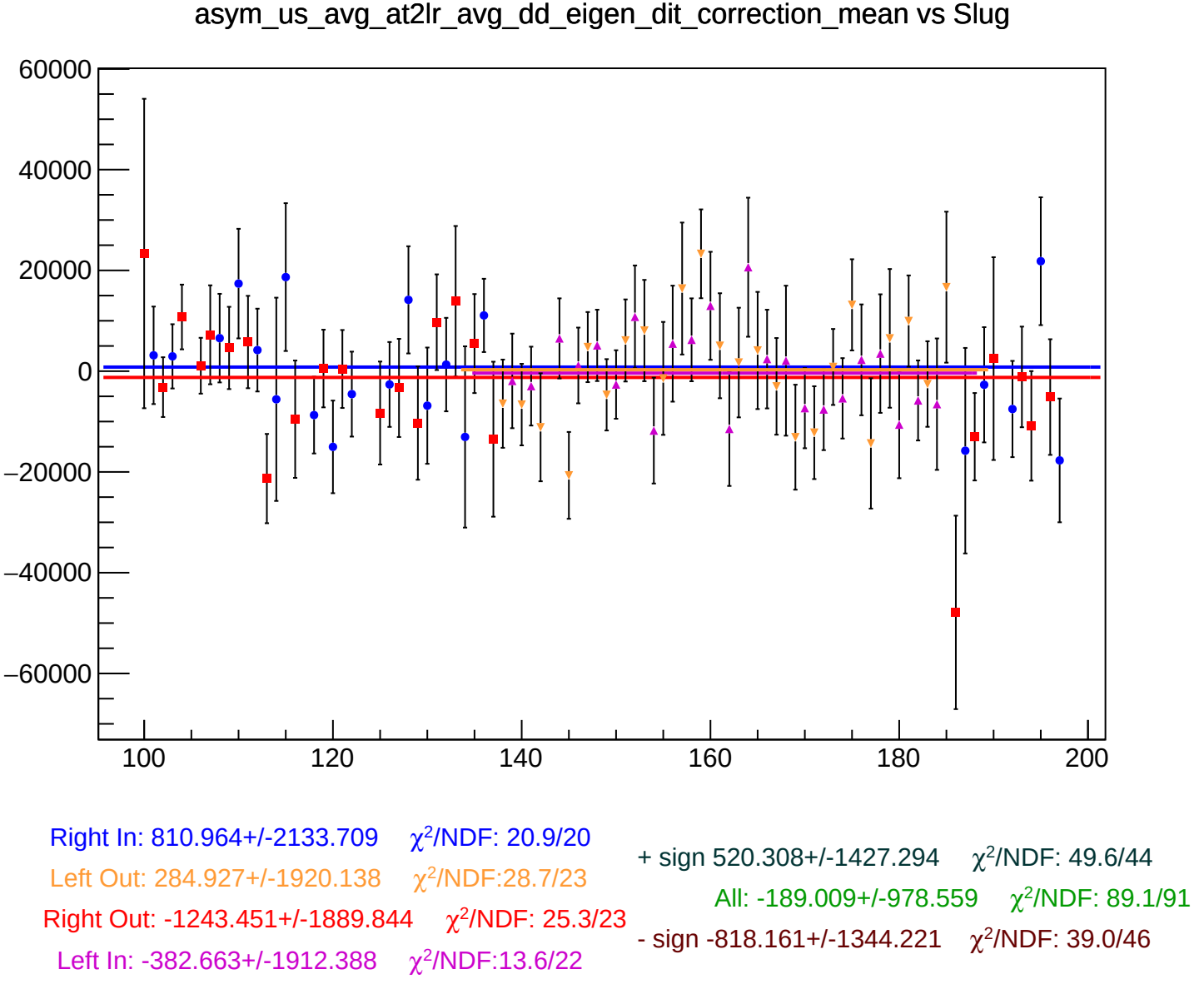
Right Out: 1577.883+/-0.337 χ^2/NDF: 449336.9/23

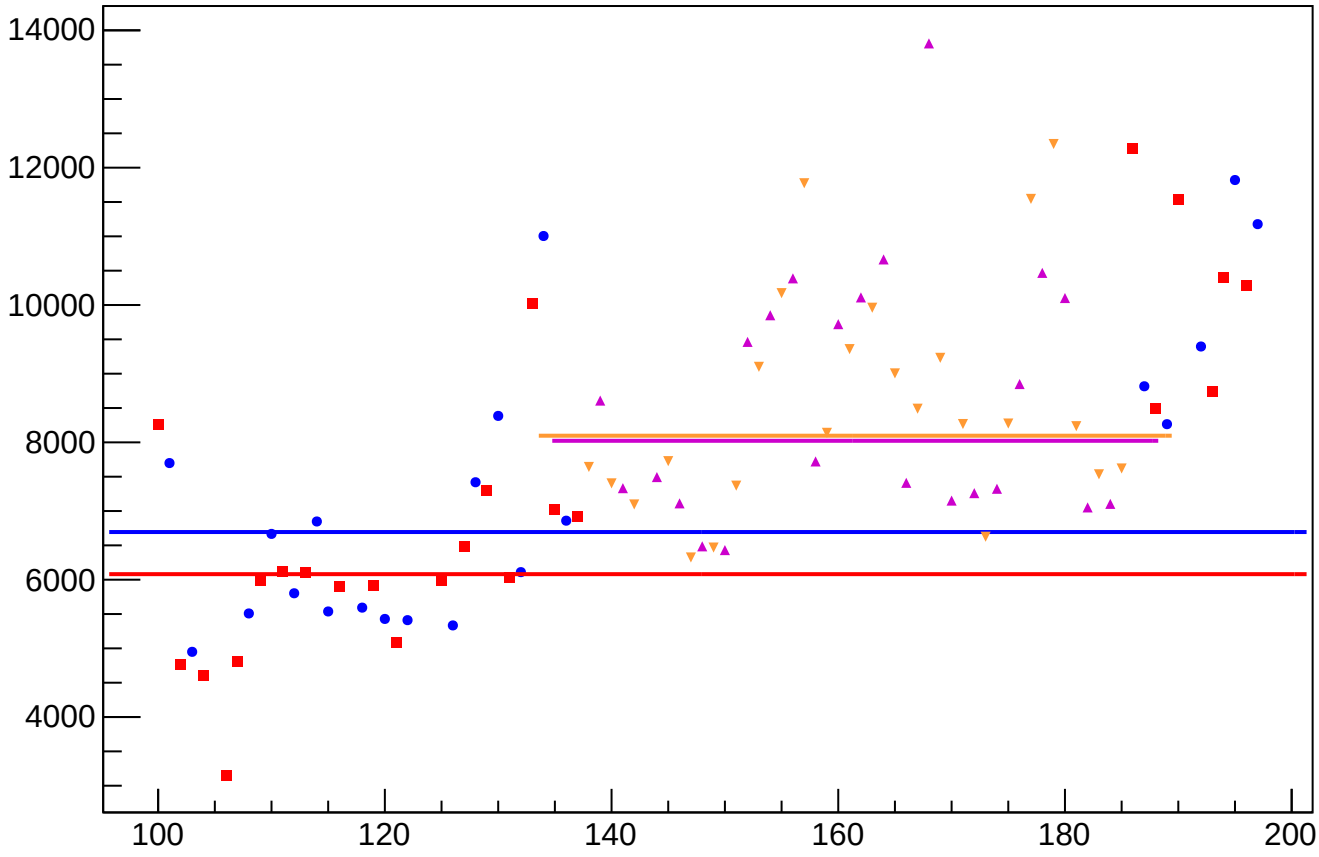
Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1688.129+/-0.223 χ^2/NDF: 936454.2/44

All: 1682.464+/-0.156 χ^2/NDF: 1709901.6/91

- sign 1676.962+/-0.220 χ^2/NDF: 772174.1/46


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
Right In: 810.964+/-2133.709 χ²/NDF: 20.9/20
Left Out: 284.927+/-1920.138 χ²/NDF:28.7/23
Right Out: -1243.451+/-1889.844 χ²/NDF: 25.3/23
Left In: -382.663+/-1912.388 χ²/NDF:13.6/22
+ sign 520.308+/-1427.294 χ²/NDF: 49.6/44
All: -189.009+/-978.559 χ²/NDF: 89.1/91
- sign -818.161+/-1344.221 χ²/NDF: 39.0/46



Right In: 6694.089+/-1.509 χ^2/NDF: 1410630.5/20

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6080.792+/-1.336 χ^2/NDF: 2266964.4/23

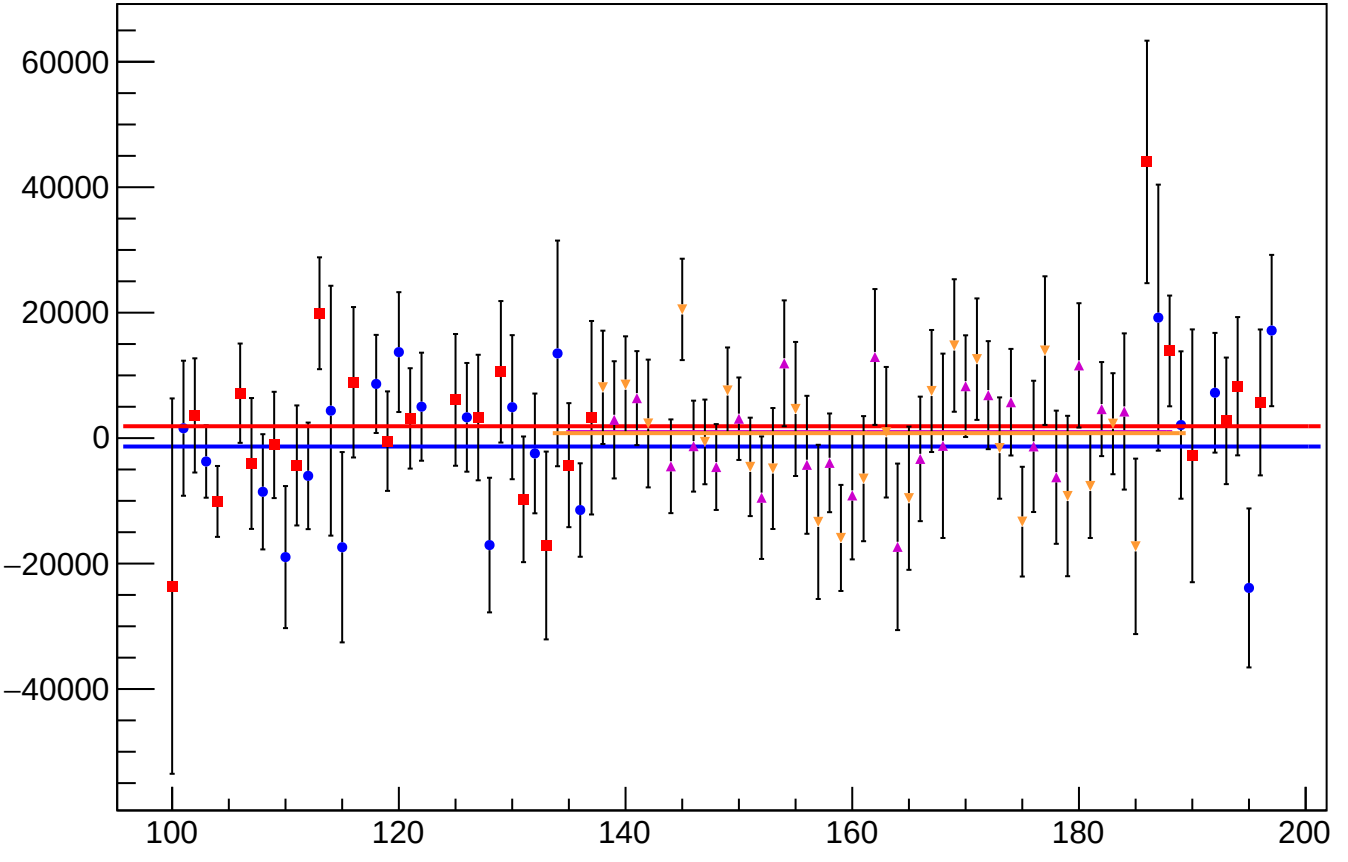
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7469.159+/-1.009 χ^2/NDF: 2976039.5/44

All: 7241.860+/-0.692 χ^2/NDF: 7607646.8/91

- sign 7040.251+/-0.951 χ^2/NDF: 4535896.0/46

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -1339.647+/-2156.719 χ^2/NDF: 22.1/20

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 1893.833+/-2021.507 χ^2/NDF: 22.4/23

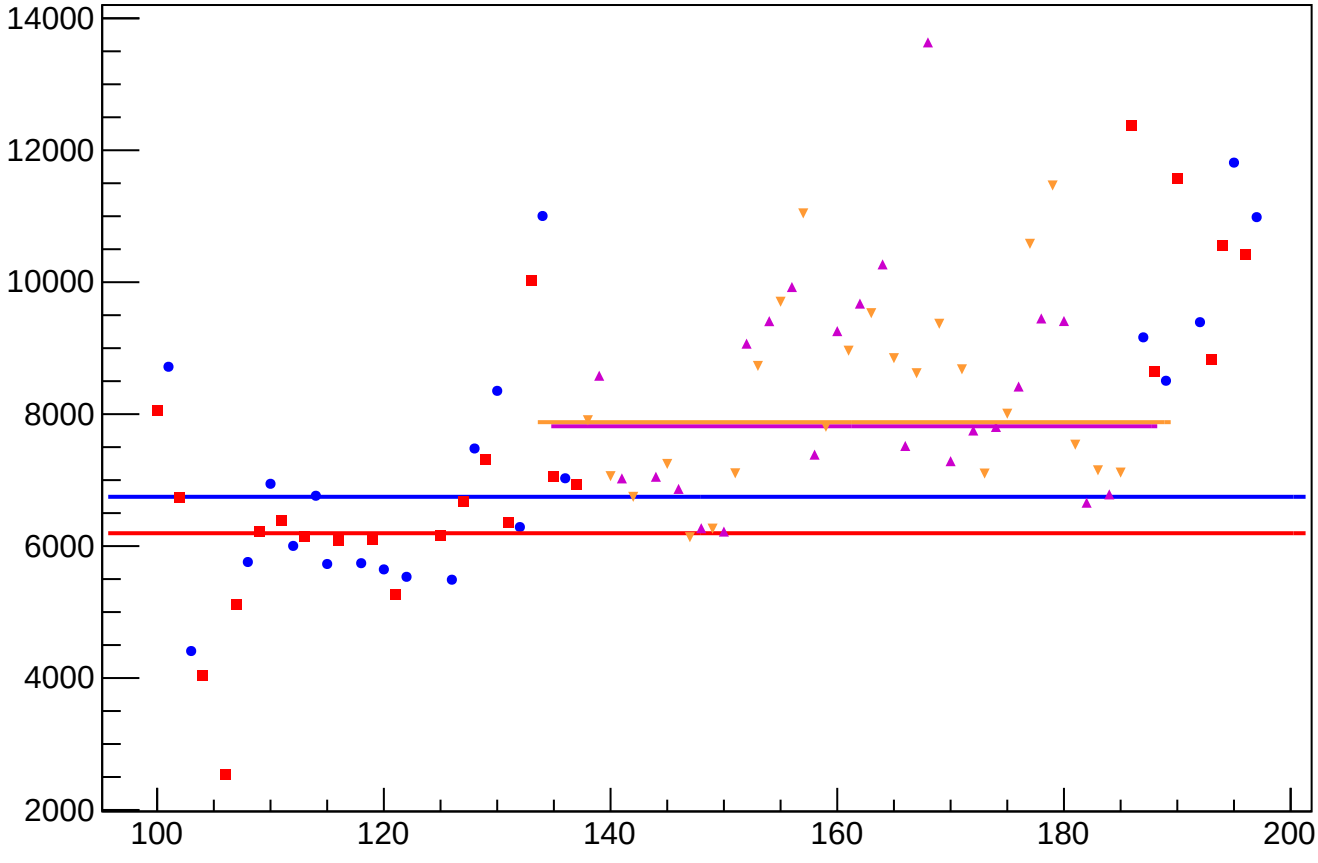
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -120.495+/-1410.753 χ^2/NDF: 49.8/44

All: 657.717+/-982.359 χ^2/NDF: 85.6/91

- sign 1390.258+/-1368.730 χ^2/NDF: 35.3/46

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6747.184+/-1.525 χ^2/NDF: 1543553.2/20

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

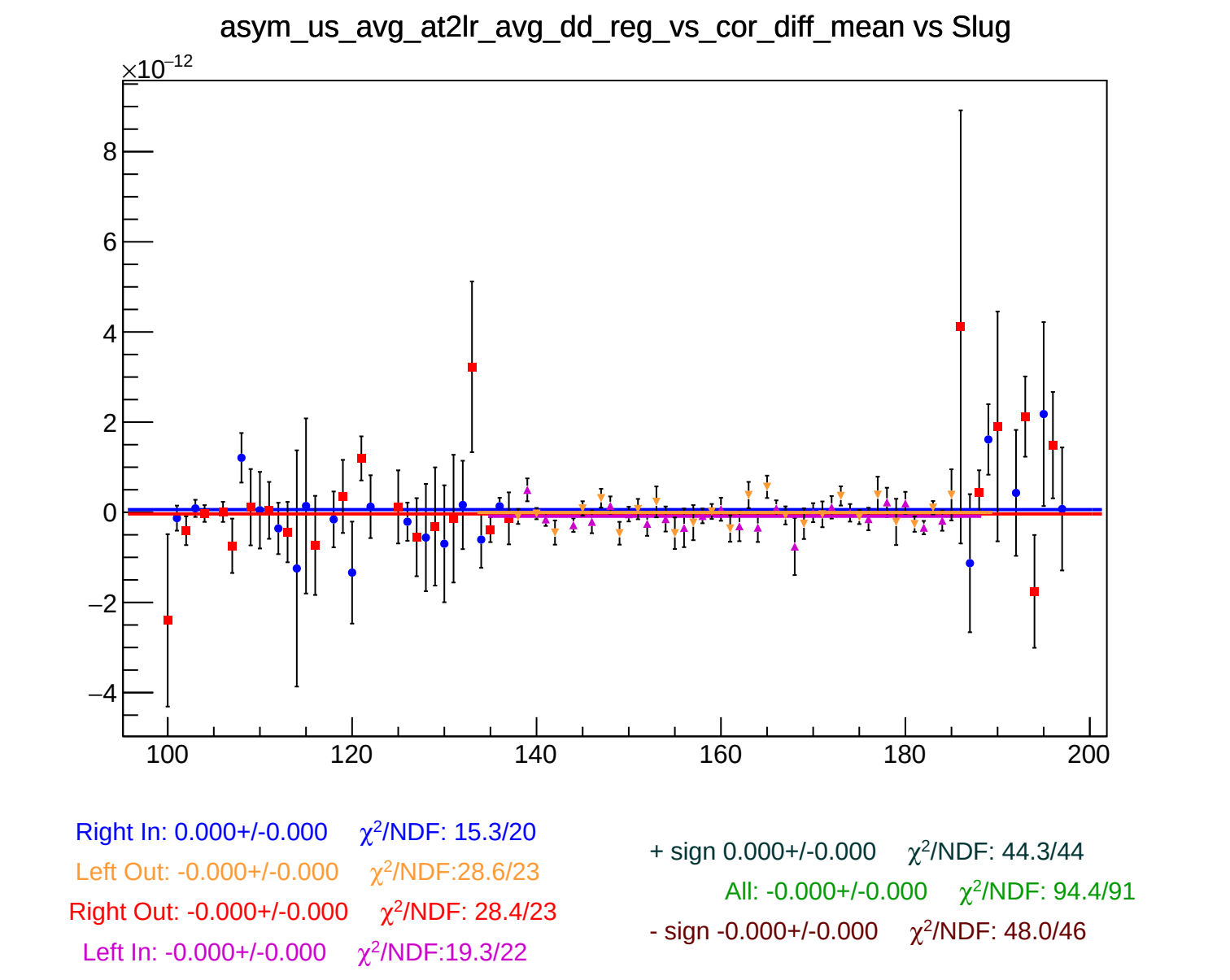
Right Out: 6195.125+/-1.387 χ^2/NDF: 2581498.4/23

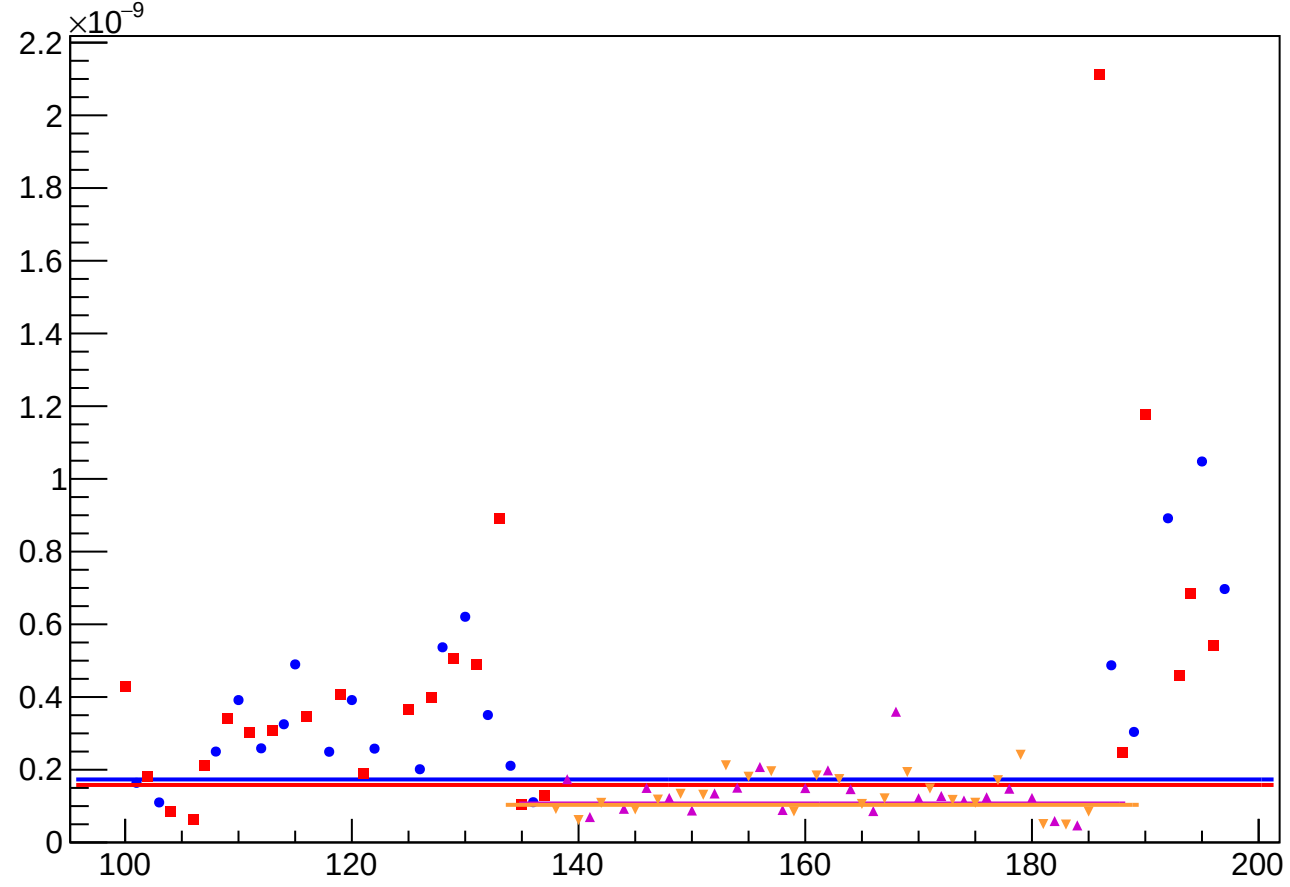
Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7394.427+/-0.998 χ^2/NDF: 2848453.5/44

All: 7213.922+/-0.690 χ^2/NDF: 7344650.8/91

- sign 7048.736+/-0.954 χ^2/NDF: 4433491.4/46


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.3/20
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 28.4/23
Left In: -0.000+/-0.000 χ²/NDF:19.3/22
+ sign 0.000+/-0.000 χ²/NDF: 44.3/44
All: -0.000+/-0.000 χ²/NDF: 94.4/91
- sign -0.000+/-0.000 χ²/NDF: 48.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 2692662.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

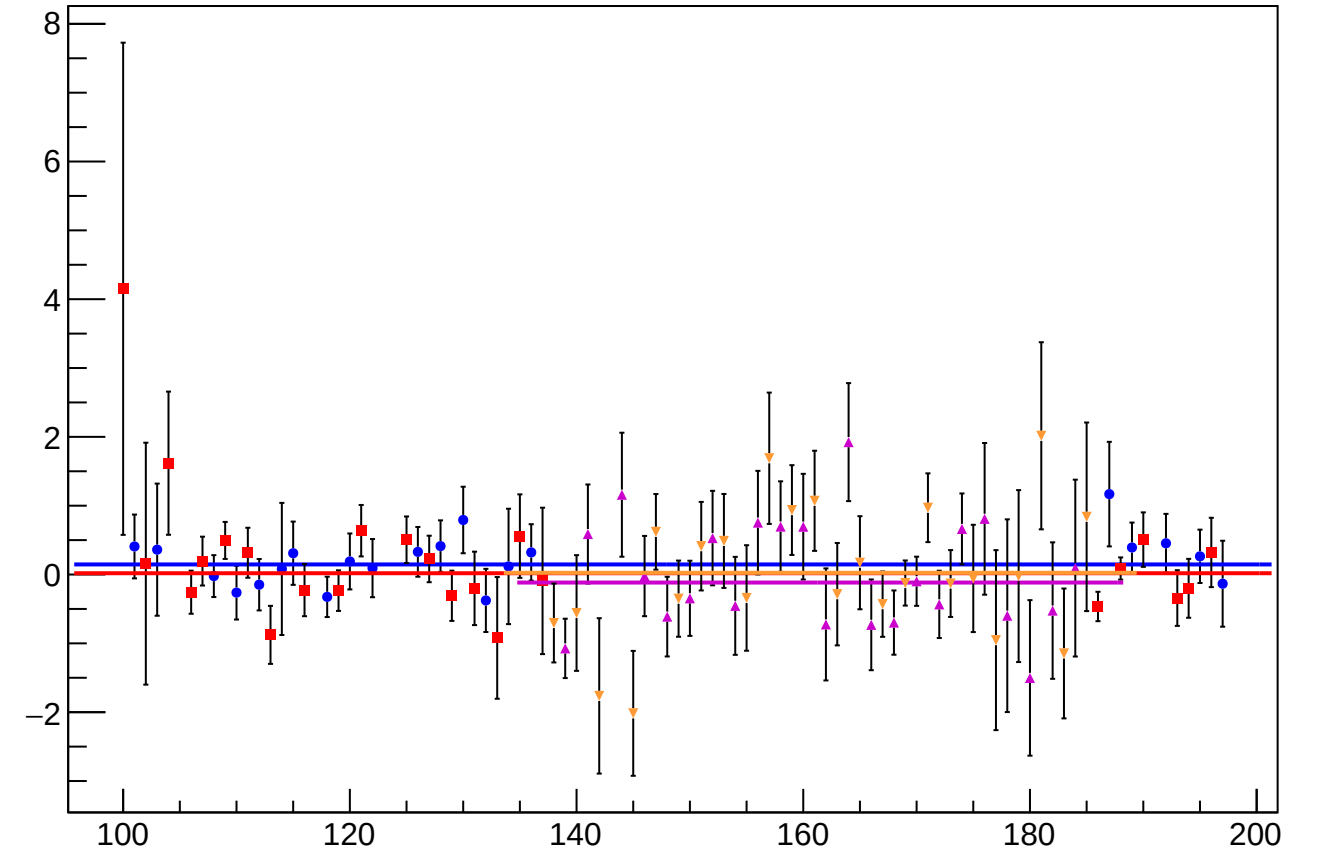
Right Out: 0.000+/-0.000 χ^2/NDF: 3729250.5/23

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5388320.3/44

All: 0.000+/-0.000 χ^2/NDF: 11153033.0/91

- sign 0.000+/-0.000 χ^2/NDF: 5763496.8/46



Right In: 0.146+/-0.093 χ^2/NDF: 12.2/20

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

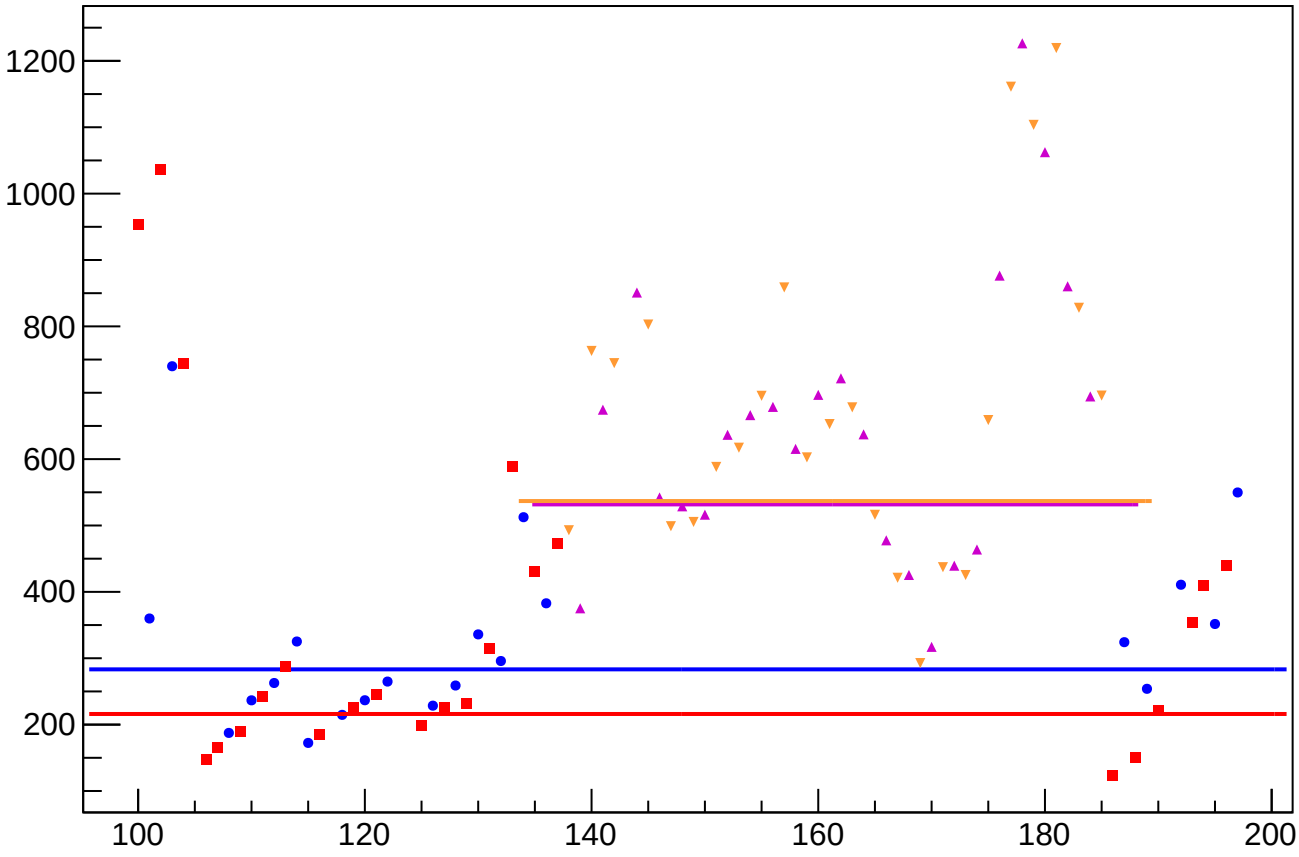
Right Out: 0.019+/-0.073 χ^2/NDF: 30.5/23

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.107+/-0.077 χ^2/NDF: 41.9/44

All: 0.036+/-0.049 χ^2/NDF: 102.4/91

- sign -0.013+/-0.064 χ^2/NDF: 59.1/46



Right In: 283.259+/-0.066 χ^2/NDF: 1970071.3/20

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

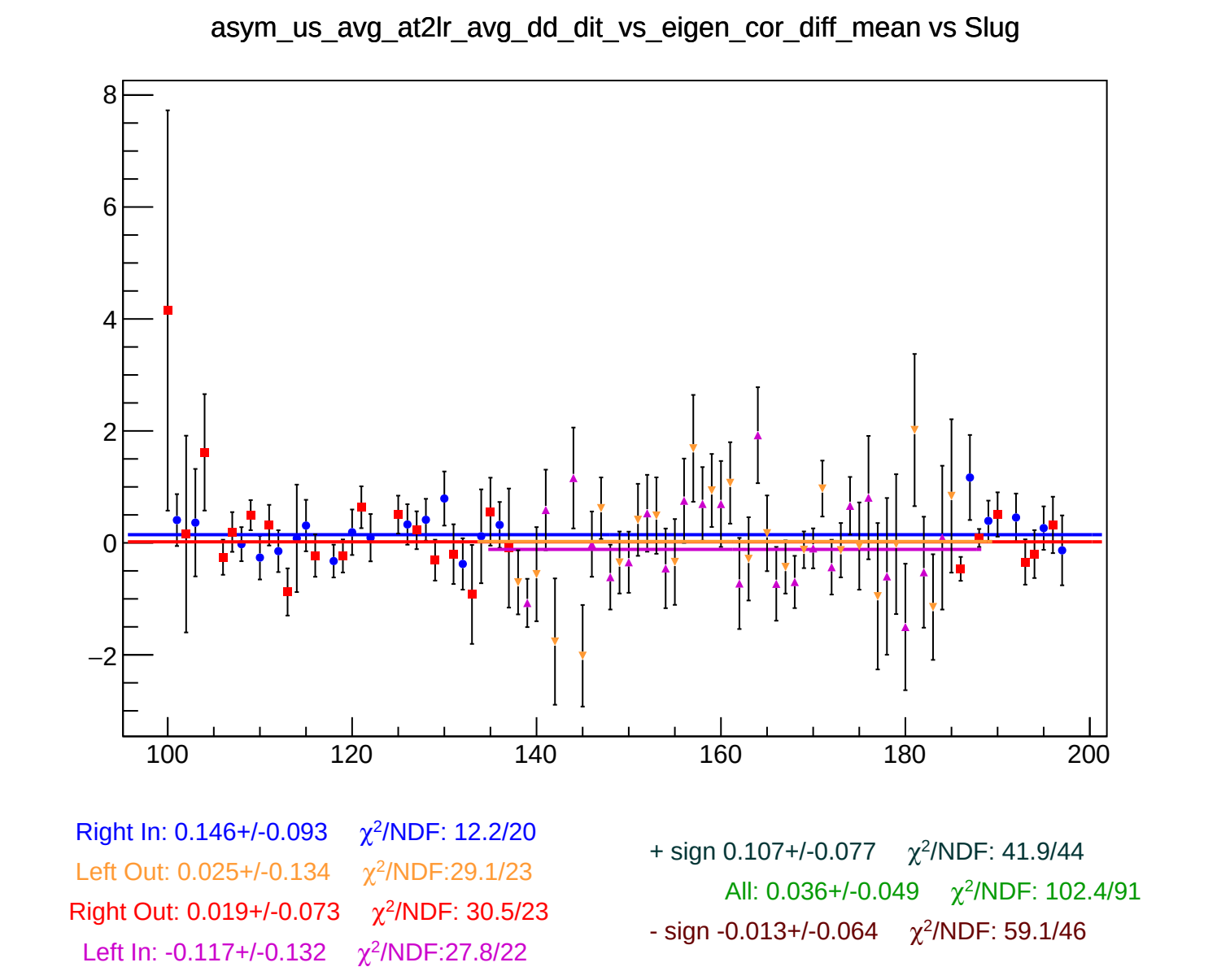
Right Out: 216.023+/-0.052 χ^2/NDF: 3836363.3/23

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

\+ sign 366.192+/-0.054 χ^2/NDF: 10754452.5/44

All: 320.975+/-0.035 χ^2/NDF: 27871918.9/91

\- sign 289.516+/-0.045 χ^2/NDF: 15936237.1/46


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
8
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−2
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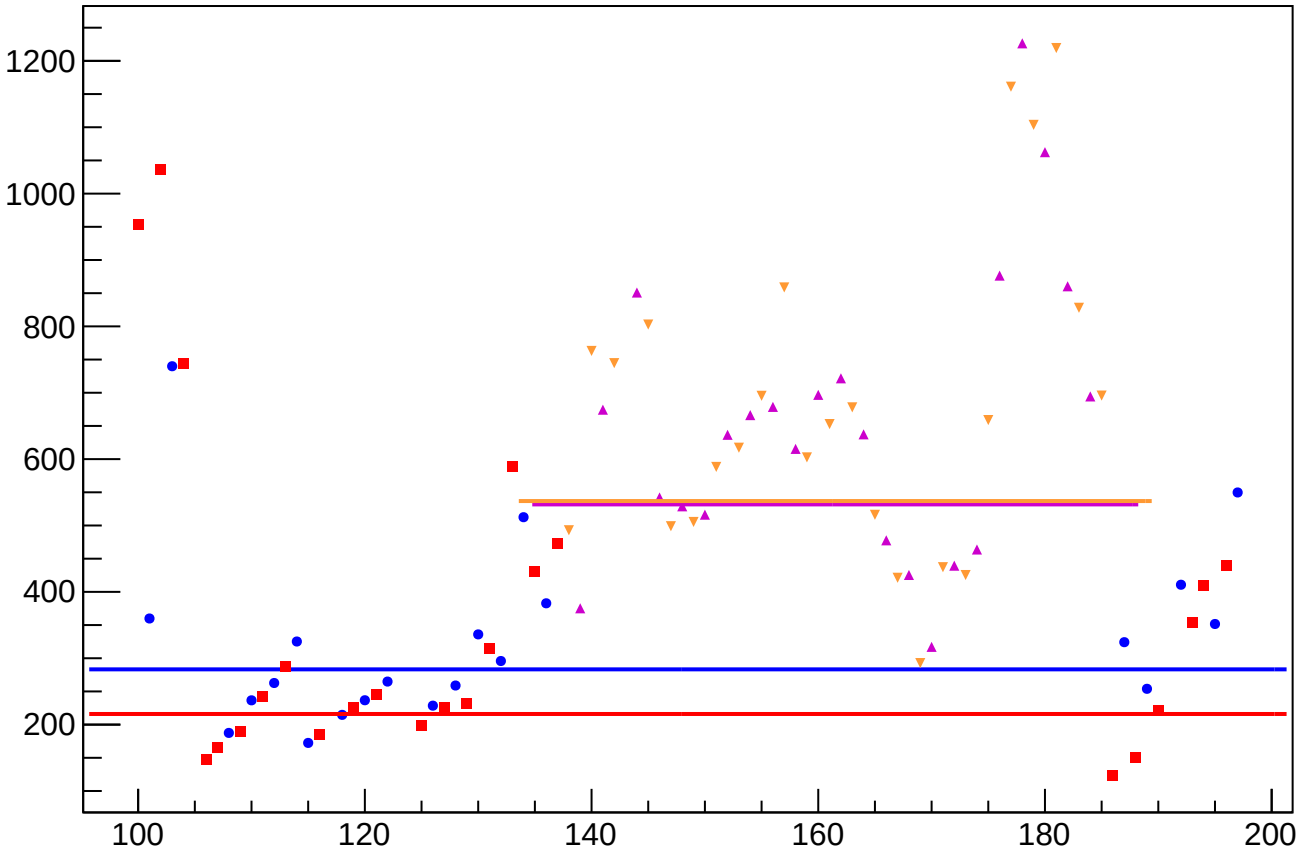
140
160
180
200
Right In: 0.146+/-0.093 χ²/NDF: 12.2/20
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.019+/-0.073 χ²/NDF: 30.5/23
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.107+/-0.077 χ²/NDF: 41.9/44
All: 0.036+/-0.049 χ²/NDF: 102.4/91
- sign -0.013+/-0.064 χ²/NDF: 59.1/46



Right In: 283.259+/-0.066 χ^2/NDF: 1970071.3/20

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

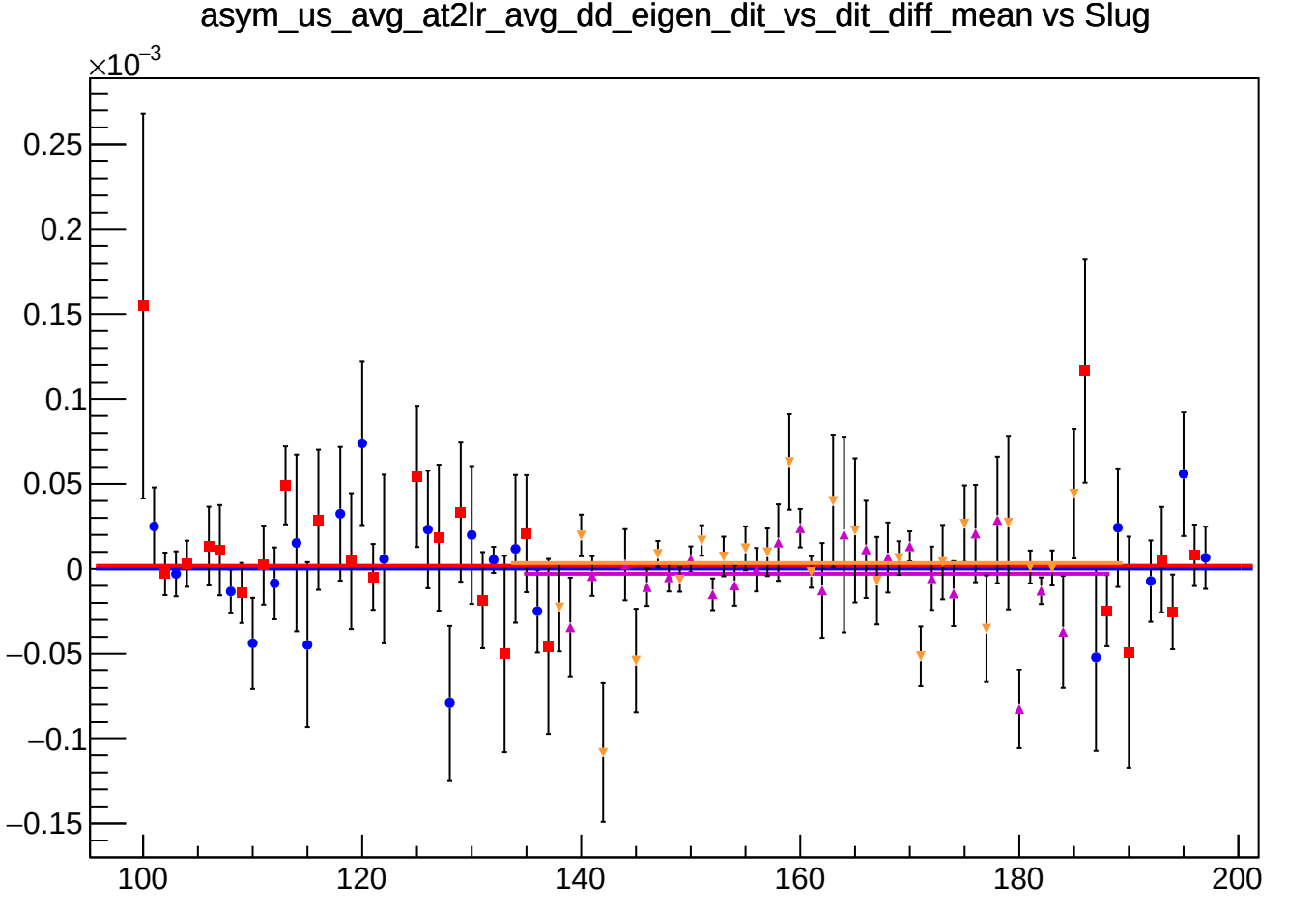
Right Out: 216.023+/-0.052 χ^2/NDF: 3836363.3/23

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 366.192+/-0.054 χ^2/NDF: 10754452.5/44

All: 320.975+/-0.035 χ^2/NDF: 27871918.9/91

- sign 289.516+/-0.045 χ^2/NDF: 15936237.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

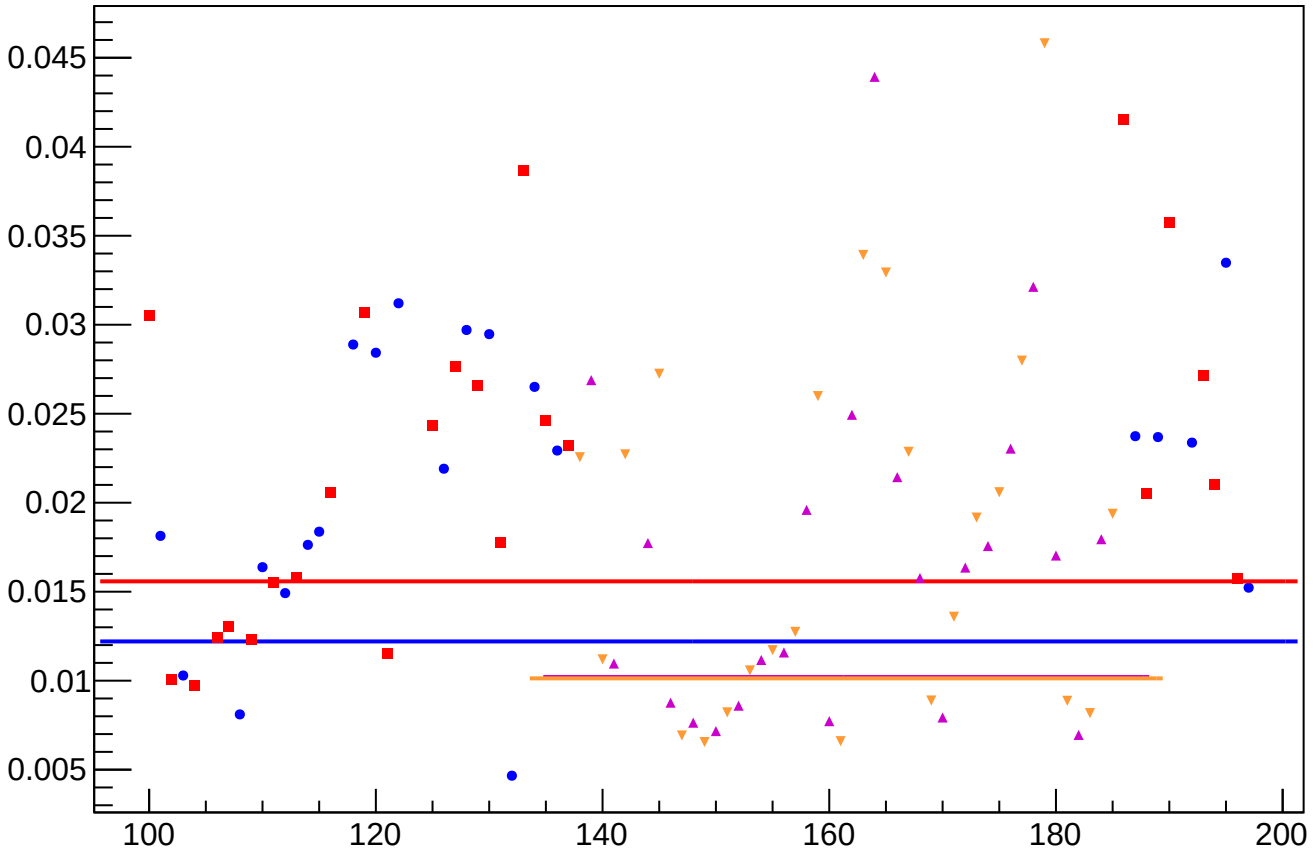
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/23

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.8/44

All: 0.000+/-0.000 χ^2/NDF: 111.9/91

- sign -0.000+/-0.000 χ^2/NDF: 52.5/46



Right In: 0.012+/-0.000 χ^2/NDF: 6214076.2/20

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

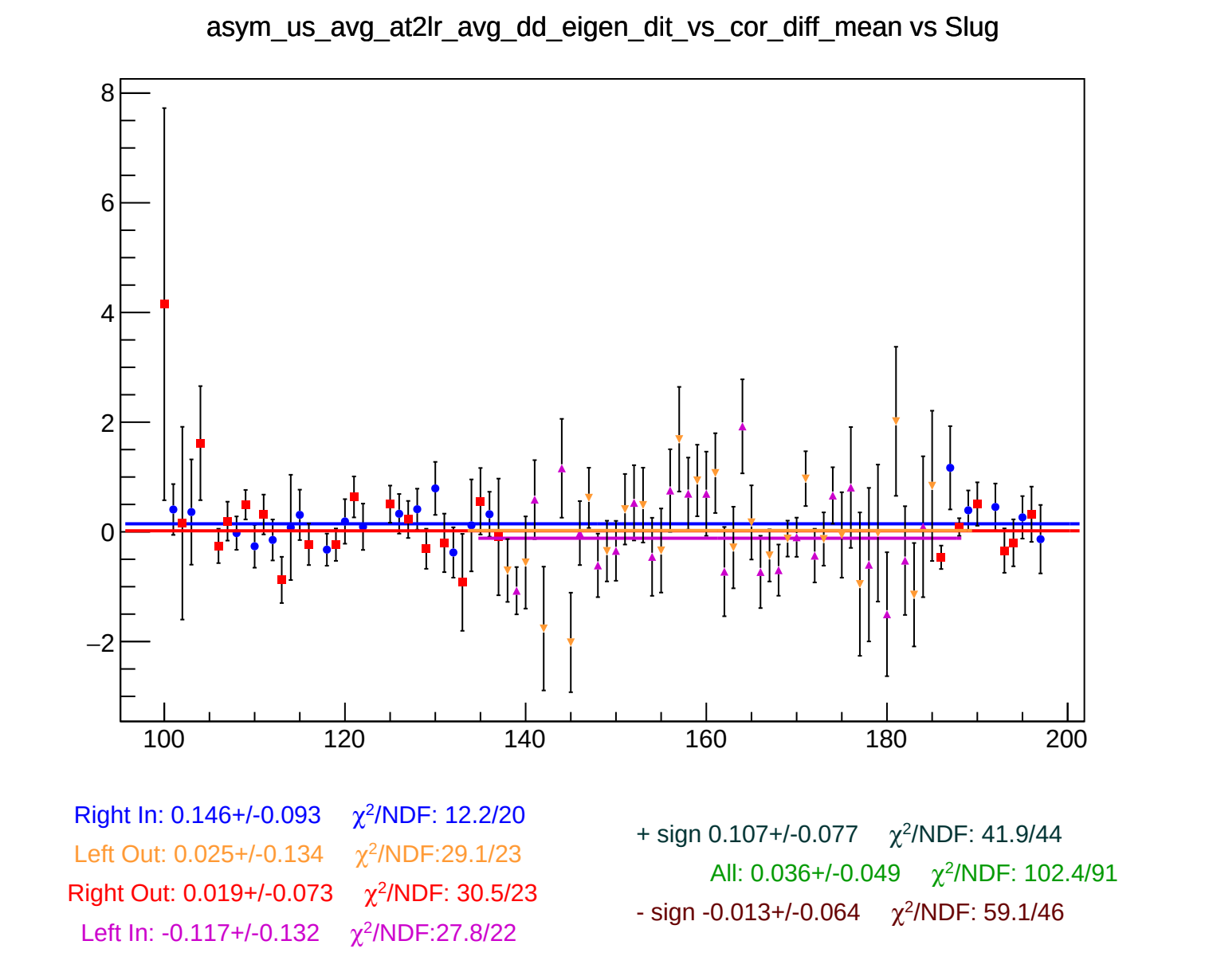
Right Out: 0.016+/-0.000 χ^2/NDF: 3218818.1/23

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 14326373.7/44

All: 0.011+/-0.000 χ^2/NDF: 25471667.1/91

- sign 0.011+/-0.000 χ^2/NDF: 11038523.6/46


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
8
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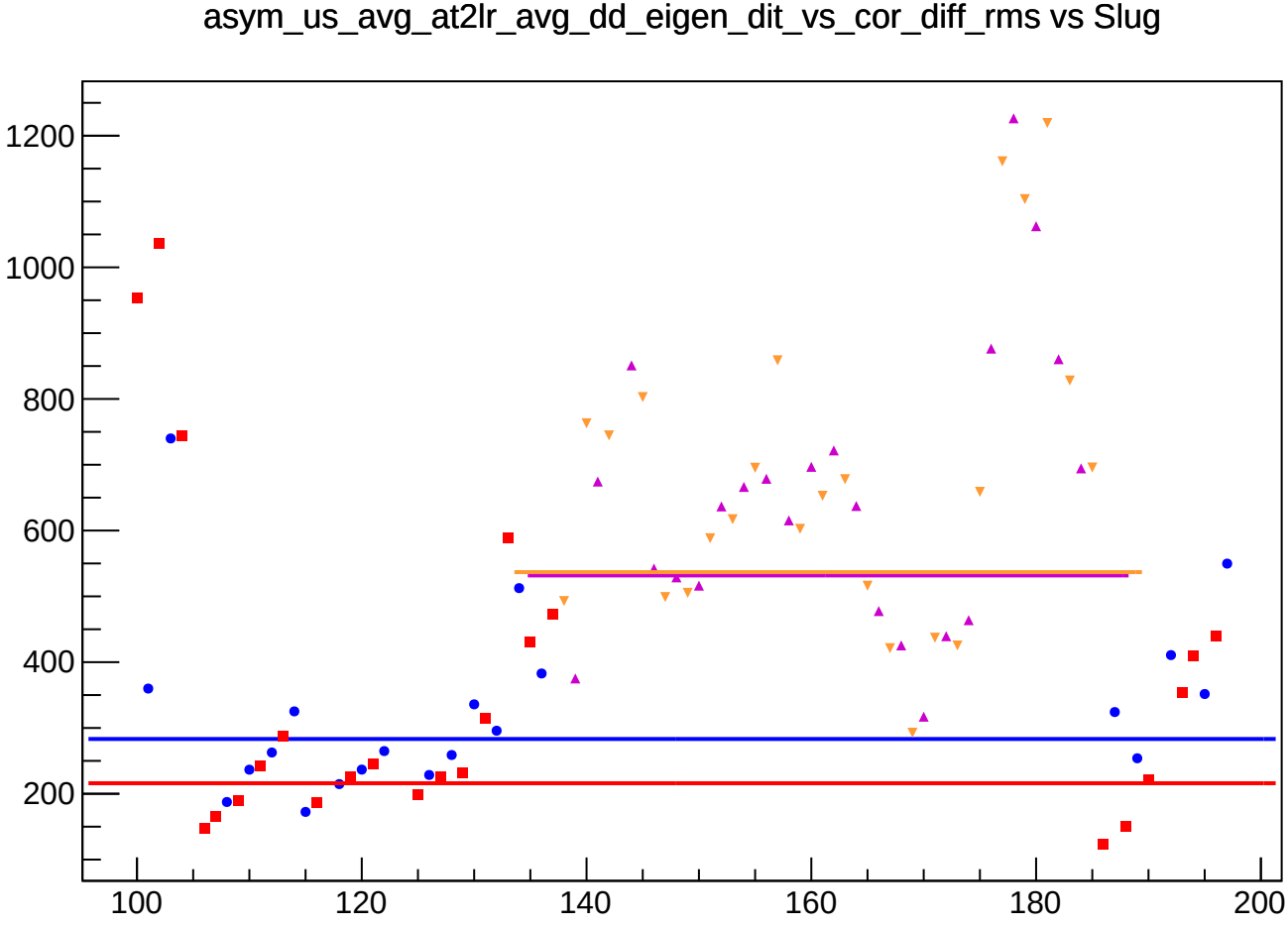
140
160
180
200
Right In: 0.146+/-0.093 χ²/NDF: 12.2/20
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.019+/-0.073 χ²/NDF: 30.5/23
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.107+/-0.077 χ²/NDF: 41.9/44
All: 0.036+/-0.049 χ²/NDF: 102.4/91
- sign -0.013+/-0.064 χ²/NDF: 59.1/46



Right In: 283.257+/-0.066 χ^2/NDF: 1970058.8/20

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 216.020+/-0.052 χ^2/NDF: 3836452.0/23

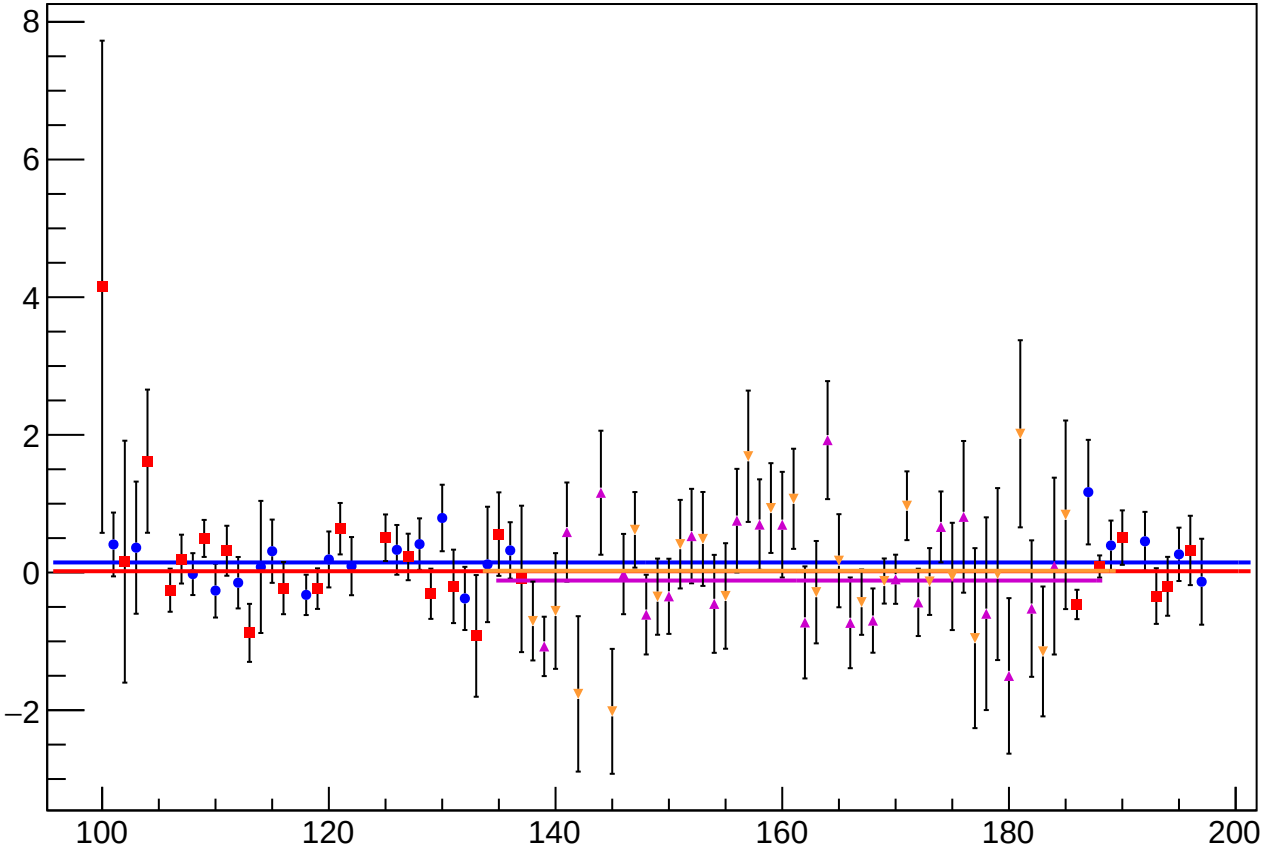
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 366.190+/-0.054 χ^2/NDF: 10754711.4/44

All: 320.972+/-0.035 χ^2/NDF: 27872638.4/91

- sign 289.513+/-0.045 χ^2/NDF: 15936664.7/46

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.146+/-0.093 χ^2/NDF: 12.2/20

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

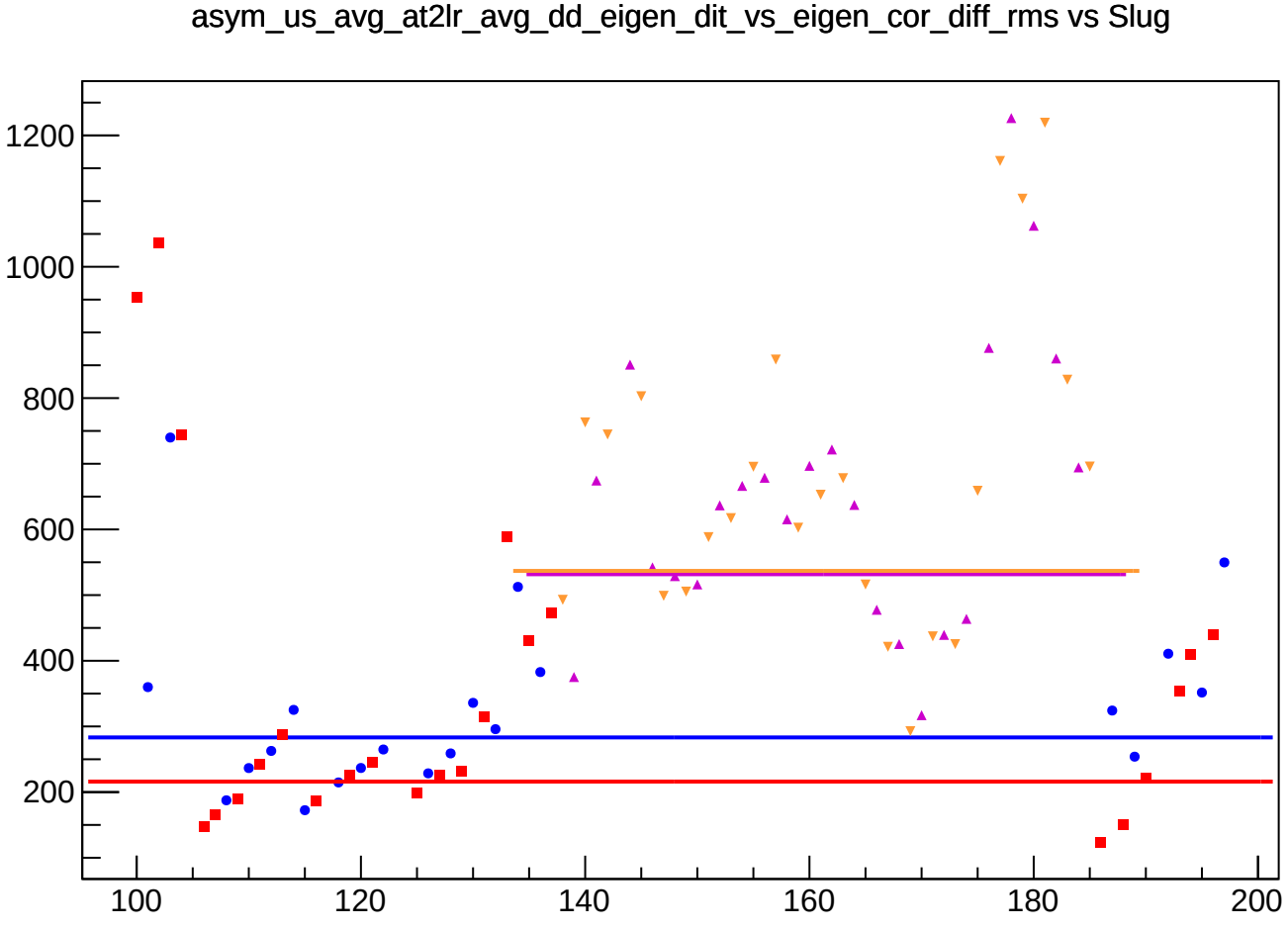
Right Out: 0.019+/-0.073 χ^2/NDF: 30.5/23

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.107+/-0.077 χ^2/NDF: 41.9/44

All: 0.036+/-0.049 χ^2/NDF: 102.4/91

- sign -0.013+/-0.064 χ^2/NDF: 59.1/46



Right In: 283.257+/-0.066 χ^2/NDF: 1970058.8/20

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

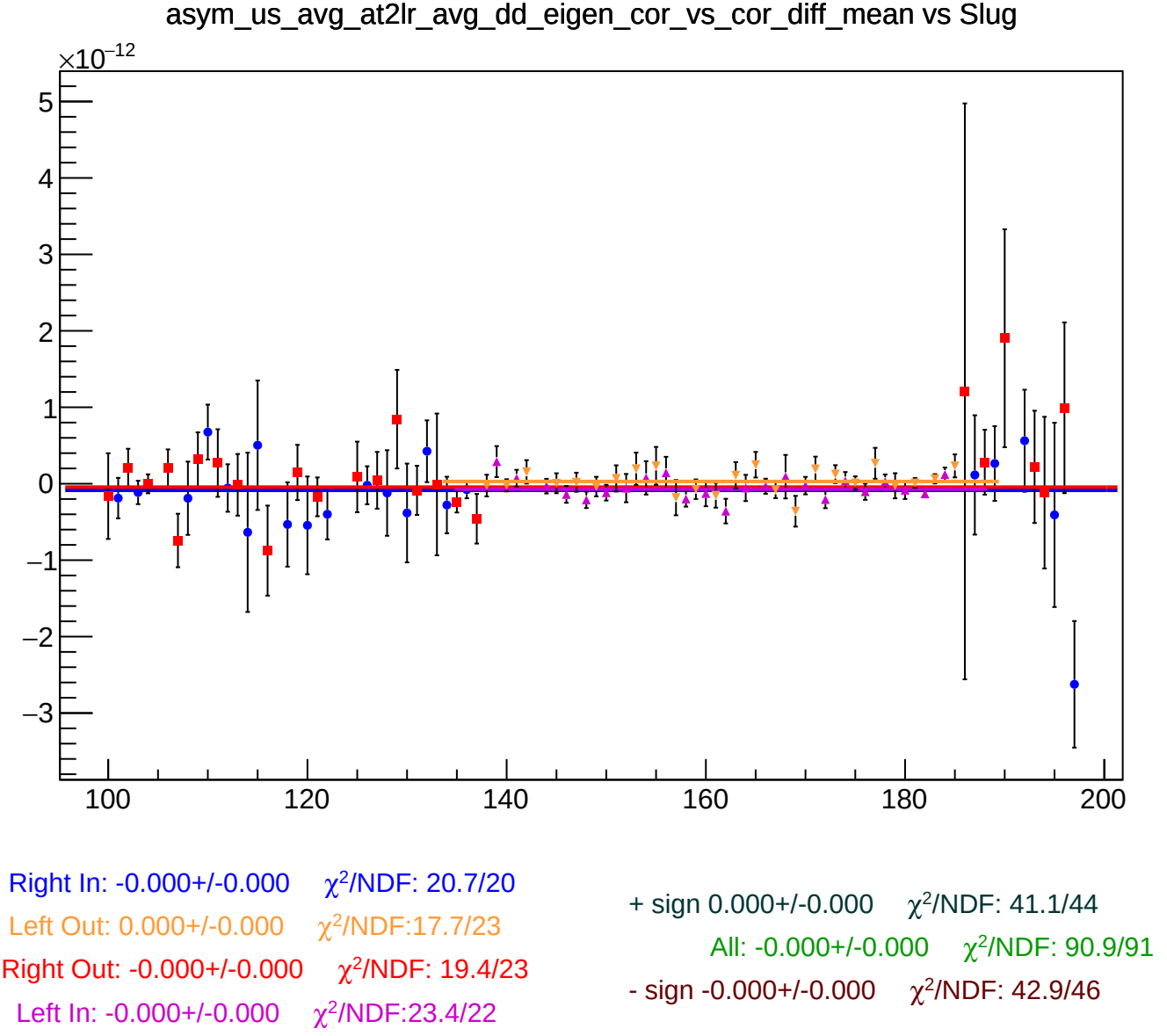
Right Out: 216.020+/-0.052 χ^2/NDF: 3836452.0/23

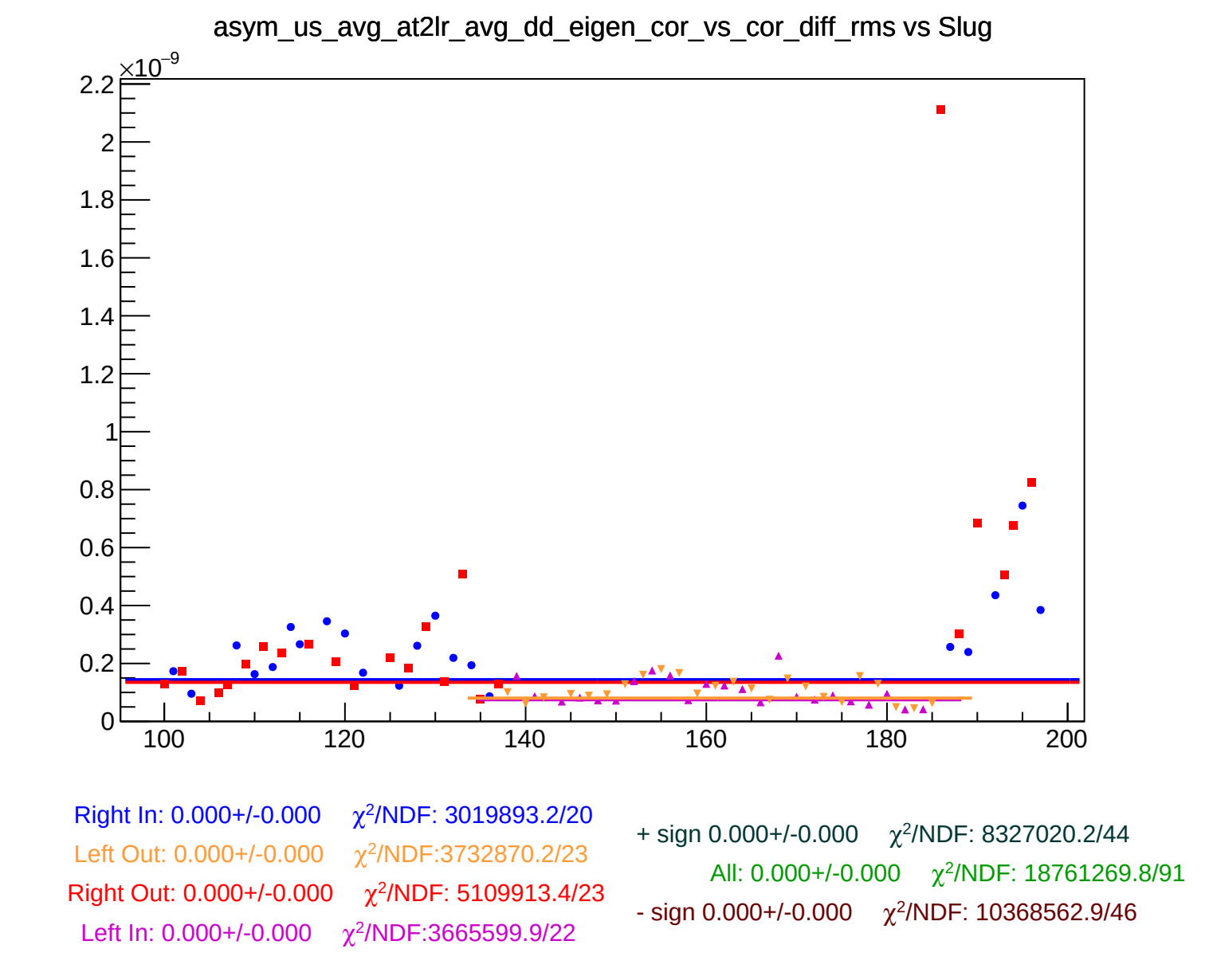
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 366.190+/-0.054 χ^2/NDF: 10754711.4/44

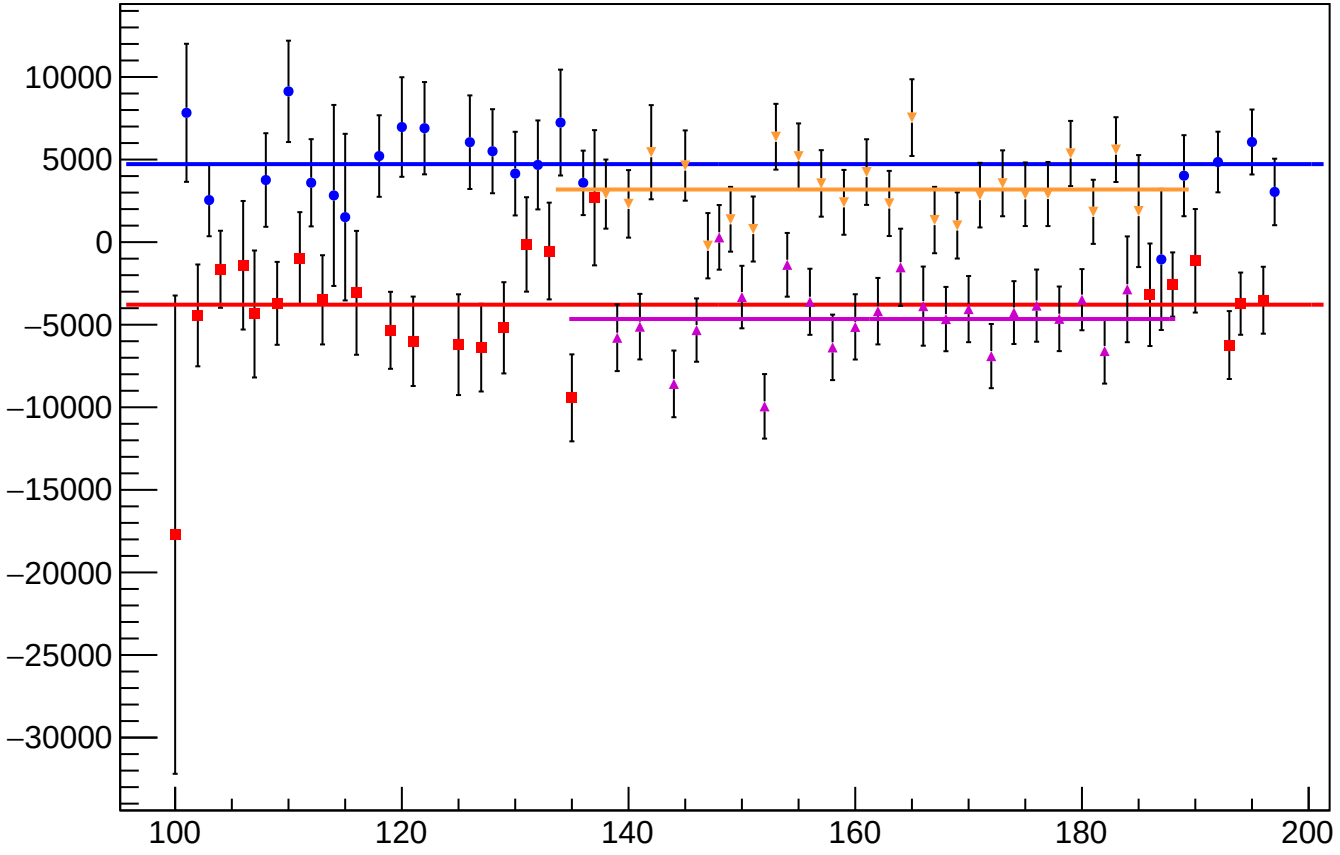
All: 320.972+/-0.035 χ^2/NDF: 27872638.4/91

- sign 289.513+/-0.045 χ^2/NDF: 15936664.7/46


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 20.7/20
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/23
Left In: -0.000+/-0.000 χ²/NDF:23.4/22
+ sign 0.000+/-0.000 χ²/NDF: 41.1/44
All: -0.000+/-0.000 χ²/NDF: 90.9/91
- sign -0.000+/-0.000 χ²/NDF: 42.9/46


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
2.2
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: 3019893.2/20
Left Out: 0.000+/-0.000 χ²/NDF:3732870.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 5109913.4/23
Left In: 0.000+/-0.000 χ²/NDF:3665599.9/22
+ sign 0.000+/-0.000 χ²/NDF: 8327020.2/44
All: 0.000+/-0.000 χ²/NDF: 18761269.8/91
- sign 0.000+/-0.000 χ²/NDF: 10368562.9/46

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4723.811+/-570.765 χ^2/NDF: 10.0/20

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3787.489+/-550.719 χ^2/NDF: 18.8/23

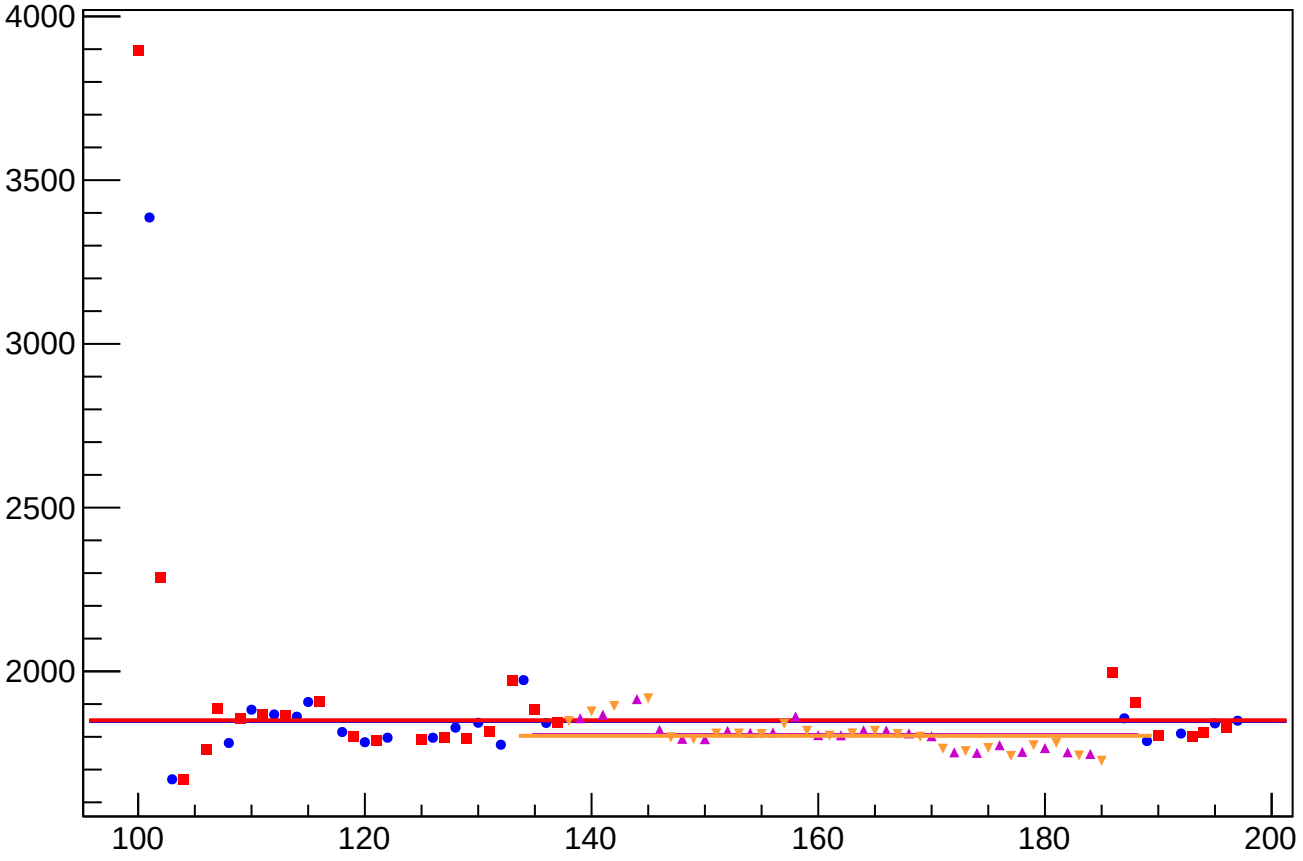
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3724.617+/-337.560 χ^2/NDF: 34.6/44

All: -337.880+/-237.713 χ^2/NDF: 370.0/91

- sign -4334.491+/-334.811 χ^2/NDF: 48.0/46

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1848.394+/-0.404 χ^2/NDF: 294995.4/20

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

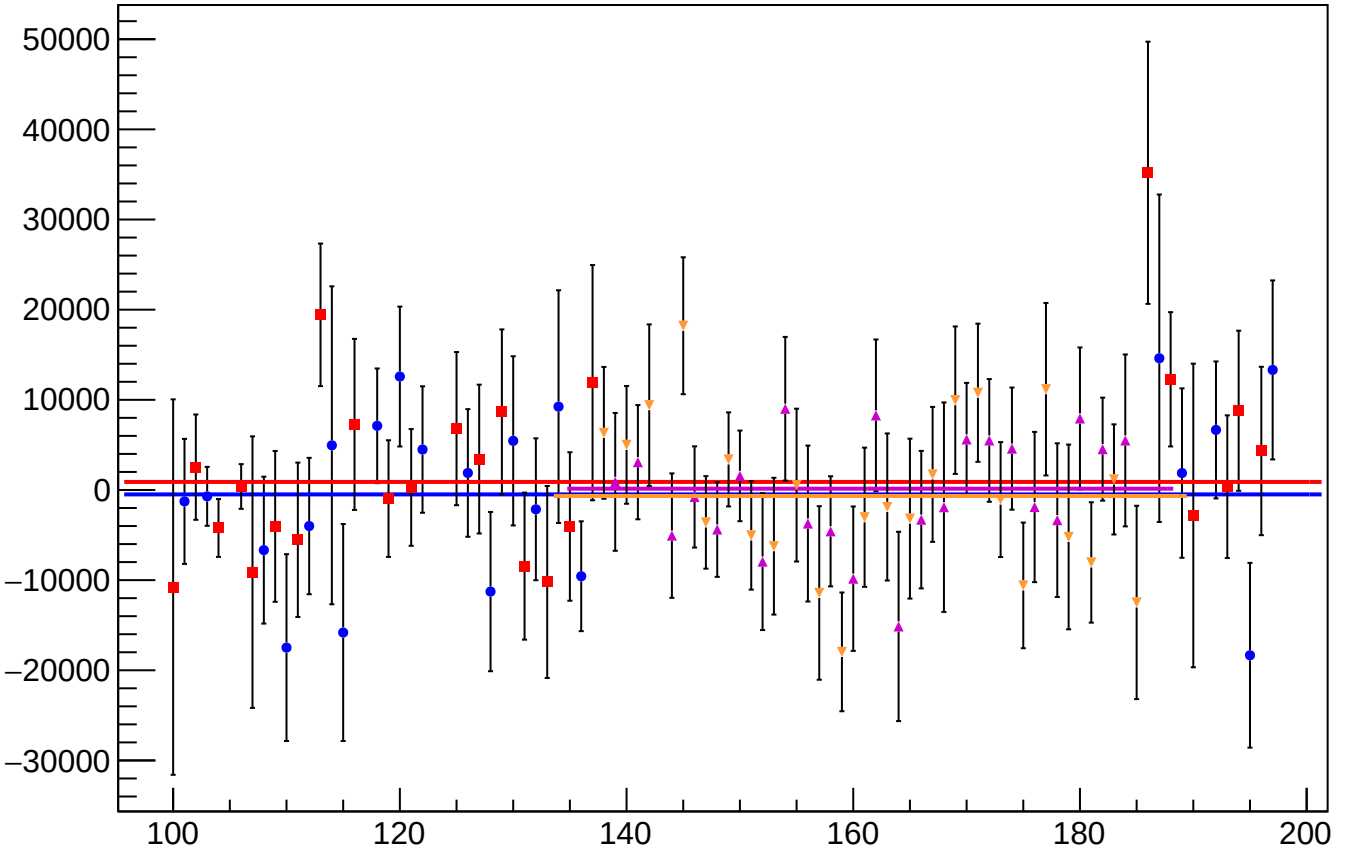
Right Out: 1850.552+/-0.389 χ^2/NDF: 110826.6/23

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1818.952+/-0.239 χ^2/NDF: 323820.8/44

All: 1820.605+/-0.168 χ^2/NDF: 462492.8/91

- sign 1822.228+/-0.237 χ^2/NDF: 138576.9/46



Right In: -491.249+/-1638.097 χ^2/NDF: 21.4/20

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

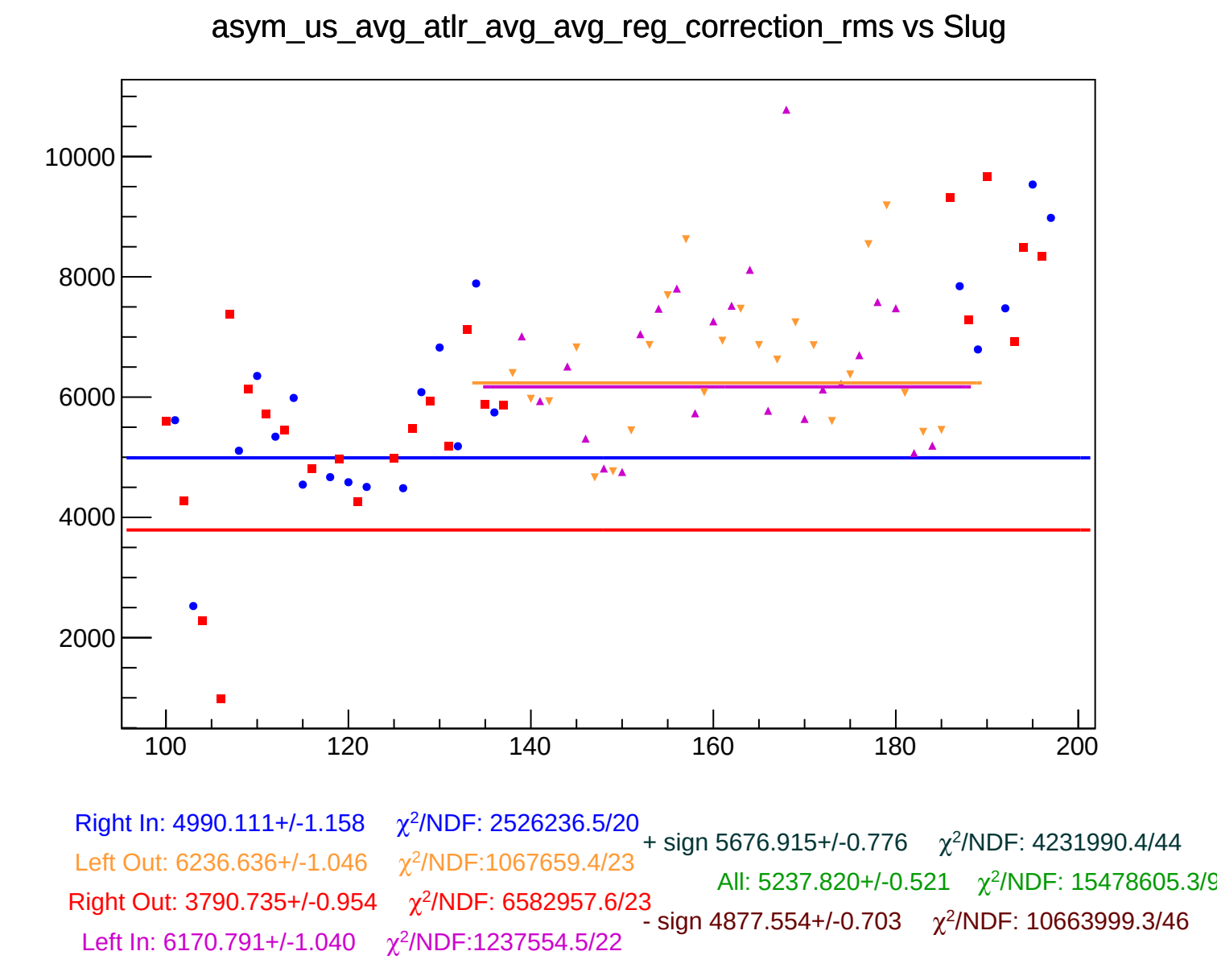
Right Out: 893.009+/-1348.844 χ^2/NDF: 24.0/23

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

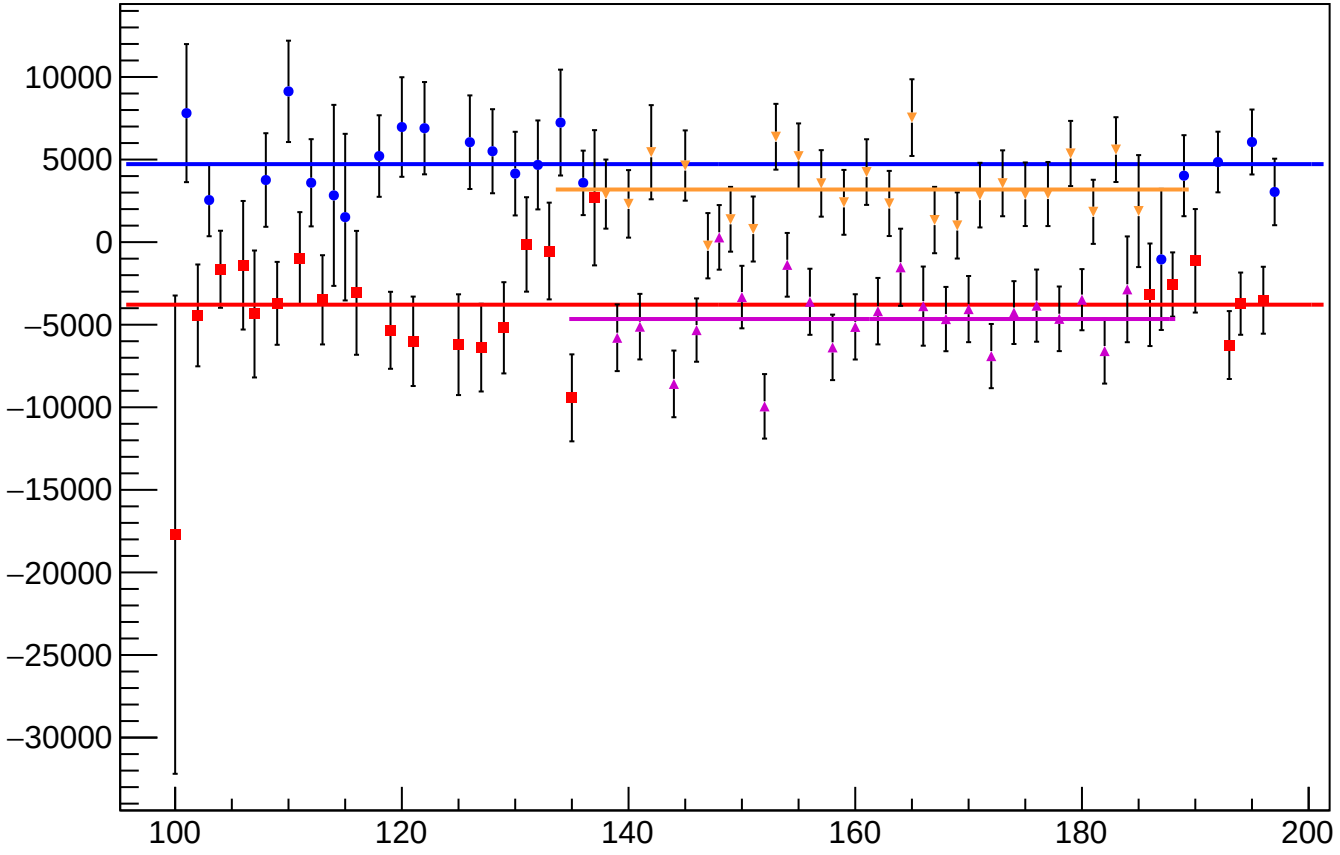
\+ sign -588.217+/-1097.678 χ^2/NDF: 51.2/44

All: 37.413+/-736.911 χ^2/NDF: 89.5/91

\- sign 550.726+/-994.276 χ^2/NDF: 37.7/46


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 4990.111+/-1.158 χ²/NDF: 2526236.5/20
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3790.735+/-0.954 χ²/NDF: 6582957.6/23
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
+ sign 5676.915+/-0.776 χ²/NDF: 4231990.4/44
All: 5237.820+/-0.521 χ²/NDF: 15478605.3/9
- sign 4877.554+/-0.703 χ²/NDF: 10663999.3/46

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4723.533+/-570.765 χ^2/NDF: 10.0/20

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3787.337+/-550.719 χ^2/NDF: 18.8/23

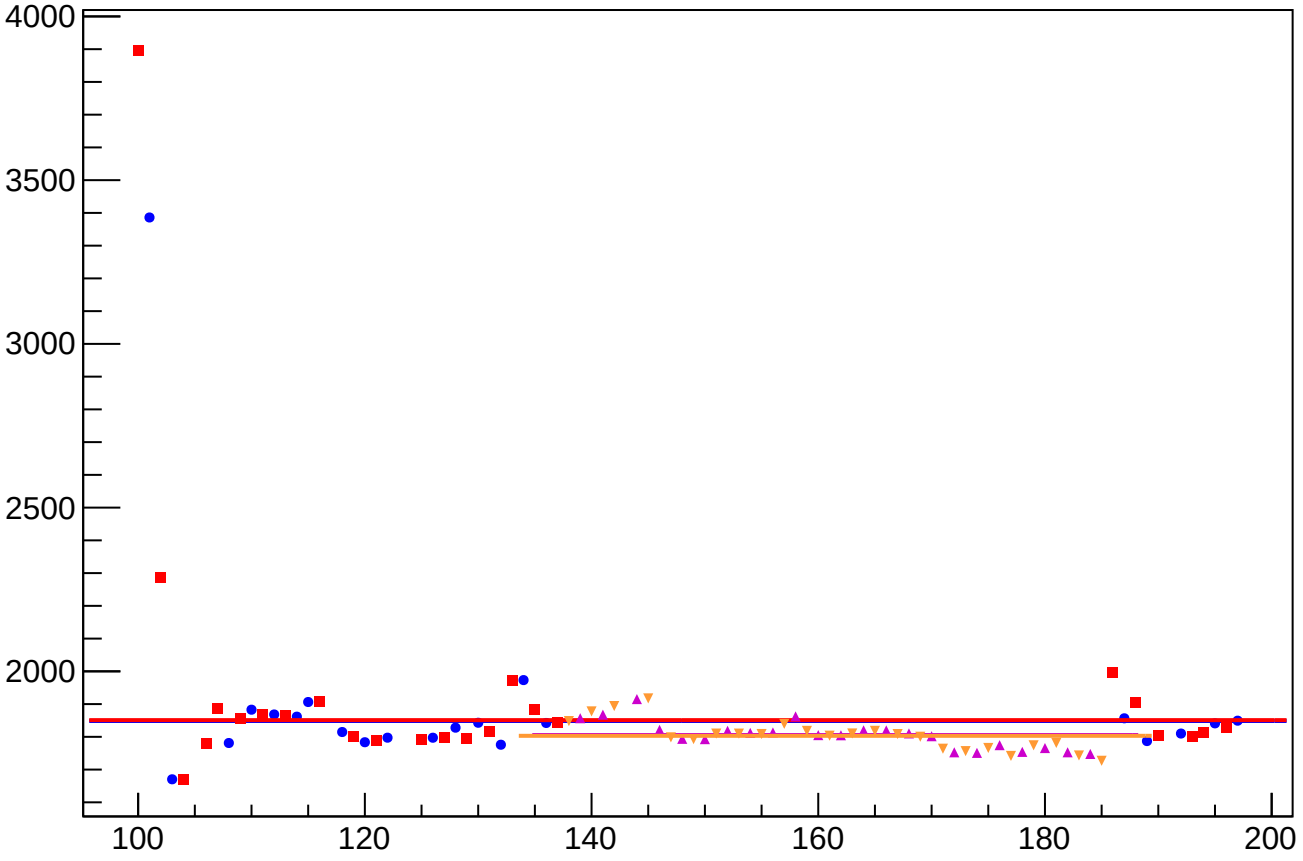
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3724.475+/-337.560 χ^2/NDF: 34.6/44

All: -337.928+/-237.713 χ^2/NDF: 369.9/91

- sign -4334.447+/-334.811 χ^2/NDF: 48.0/46

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1848.394+/-0.404 χ^2/NDF: 294997.3/20

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

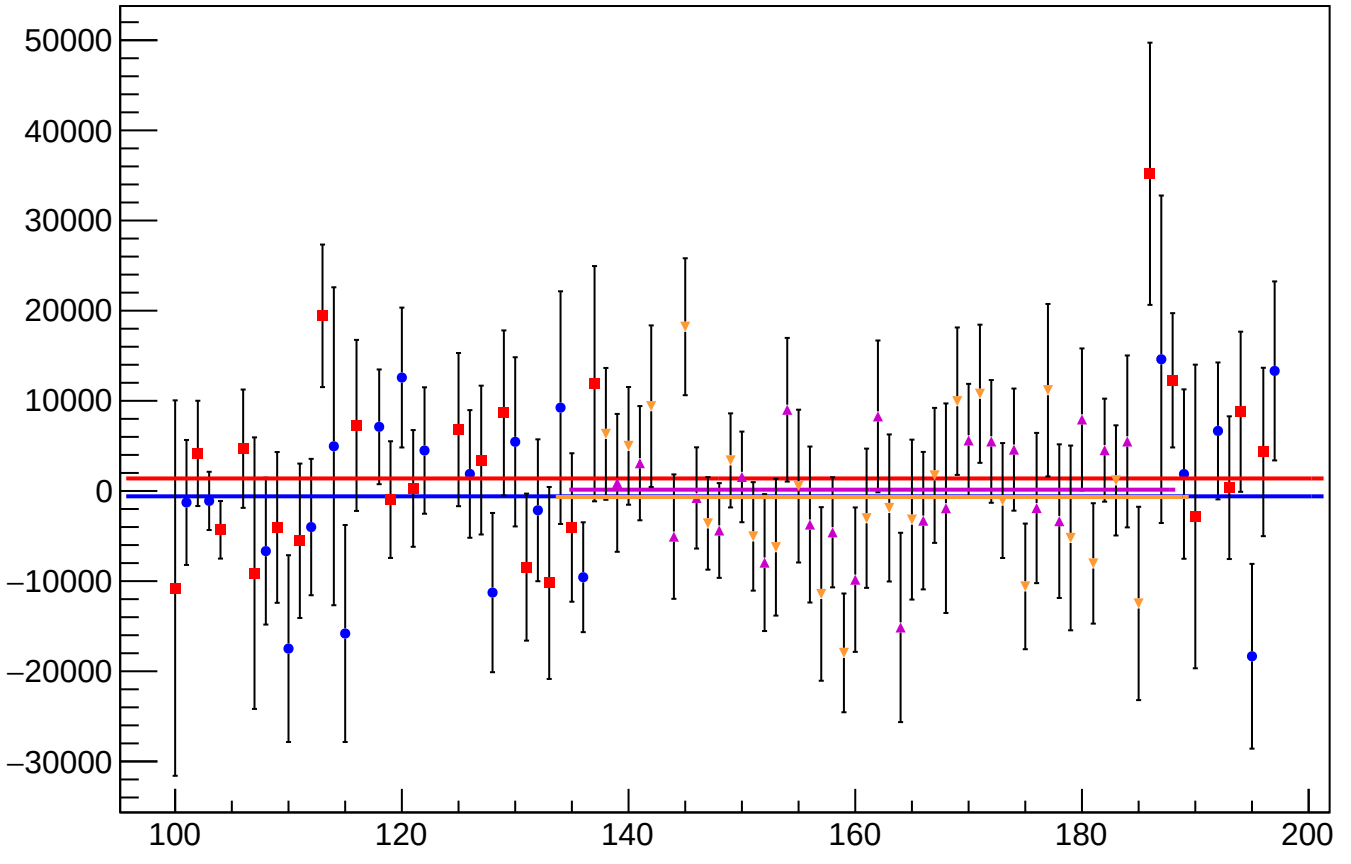
Right Out: 1850.994+/-0.389 χ^2/NDF: 110374.2/23

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.952+/-0.239 χ^2/NDF: 323822.6/44

All: 1820.685+/-0.168 χ^2/NDF: 462216.2/91

- sign 1822.388+/-0.237 χ^2/NDF: 138289.0/46



Right In: -593.891+/-1633.046 χ^2/NDF: 21.5/20

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: 1389.378+/-1559.046 χ^2/NDF: 24.5/23

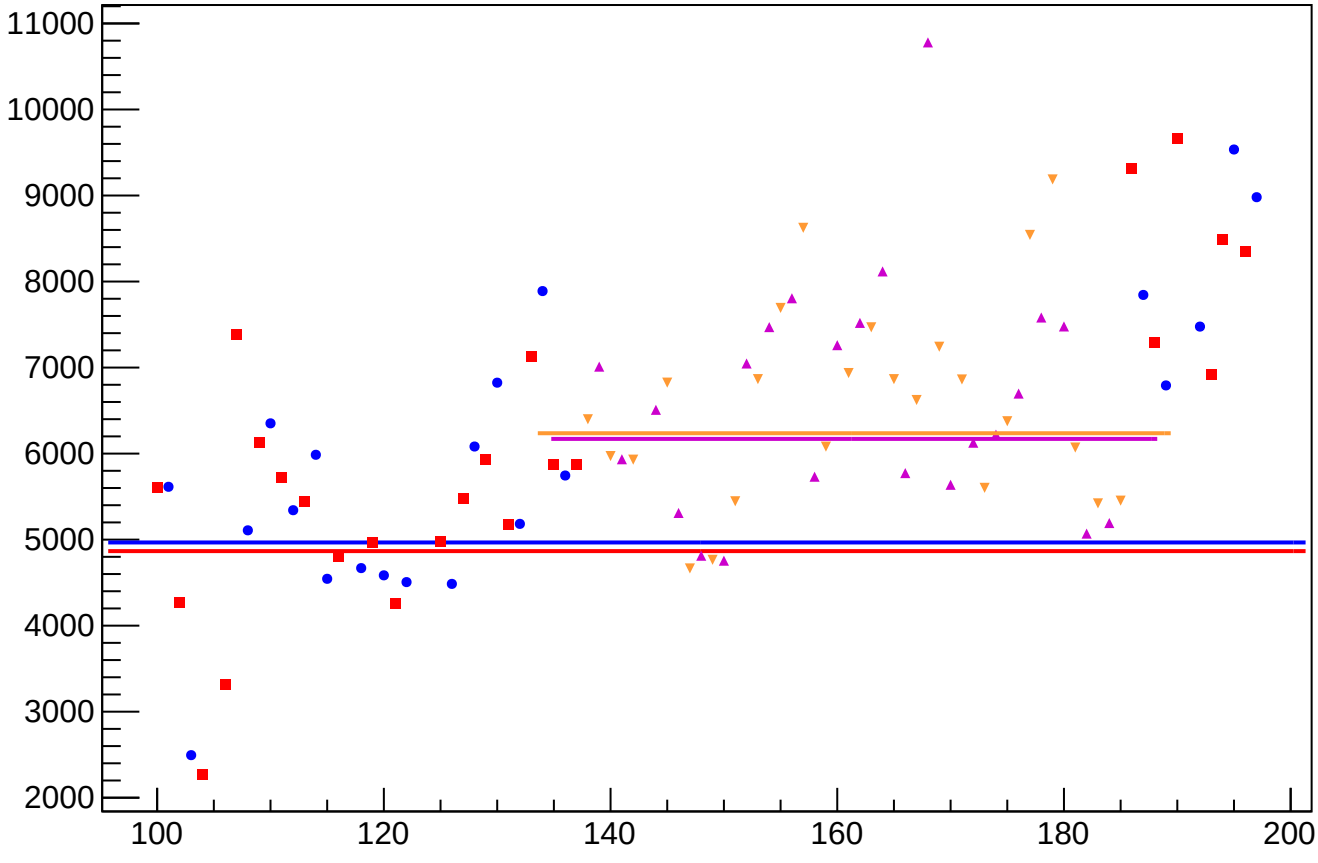
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -634.195+/-1096.154 χ^2/NDF: 51.2/44

All: 64.508+/-765.709 χ^2/NDF: 90.5/91

- sign 730.354+/-1070.070 χ^2/NDF: 38.5/46

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4967.040+/-1.155 χ^2/NDF: 2583048.3/20

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

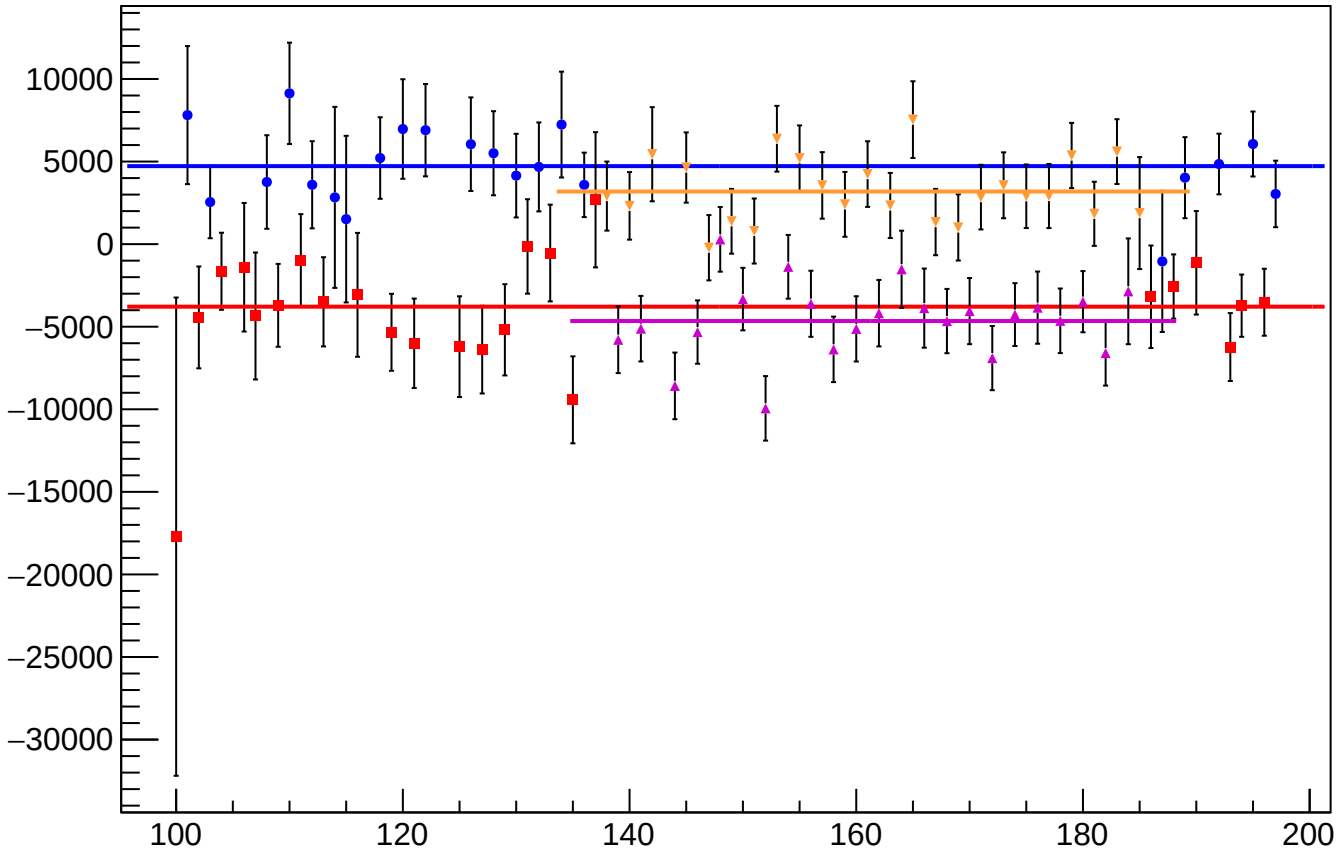
Right Out: 4866.462+/-1.102 χ^2/NDF: 3088183.2/23

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5664.615+/-0.775 χ^2/NDF: 4314898.4/44

All: 5609.169+/-0.541 χ^2/NDF: 9391036.2/91

- sign 5556.331+/-0.757 χ^2/NDF: 5066144.3/46



Right In: 4723.533+/-570.765 χ^2/NDF: 10.0/20

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

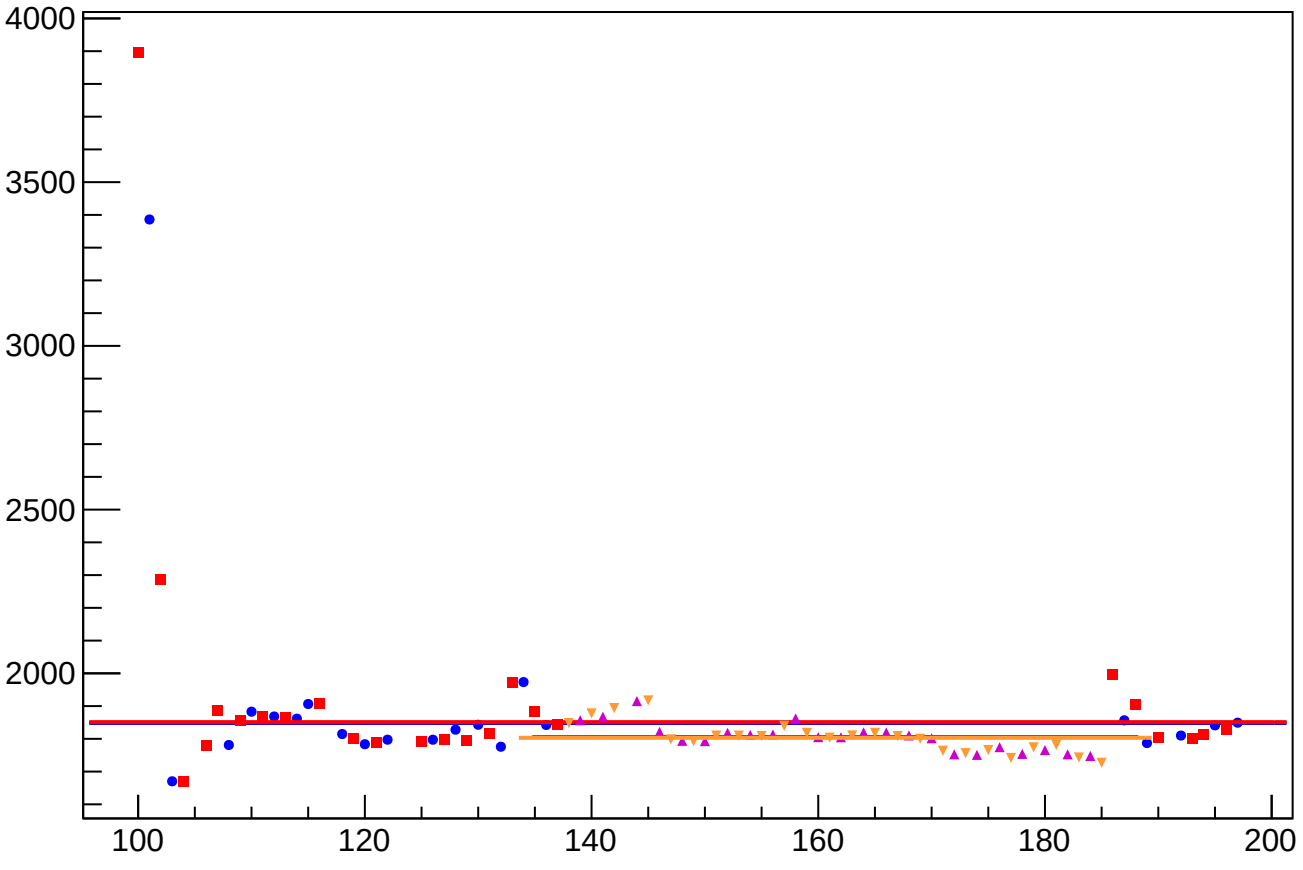
Right Out: -3787.337+/-550.719 χ^2/NDF: 18.8/23

Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3724.475+/-337.560 χ^2/NDF: 34.6/44

All: -337.928+/-237.713 χ^2/NDF: 369.9/91

- sign -4334.447+/-334.811 χ^2/NDF: 48.0/46



Right In: 1848.394+/-0.404 χ^2/NDF: 294997.3/20

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

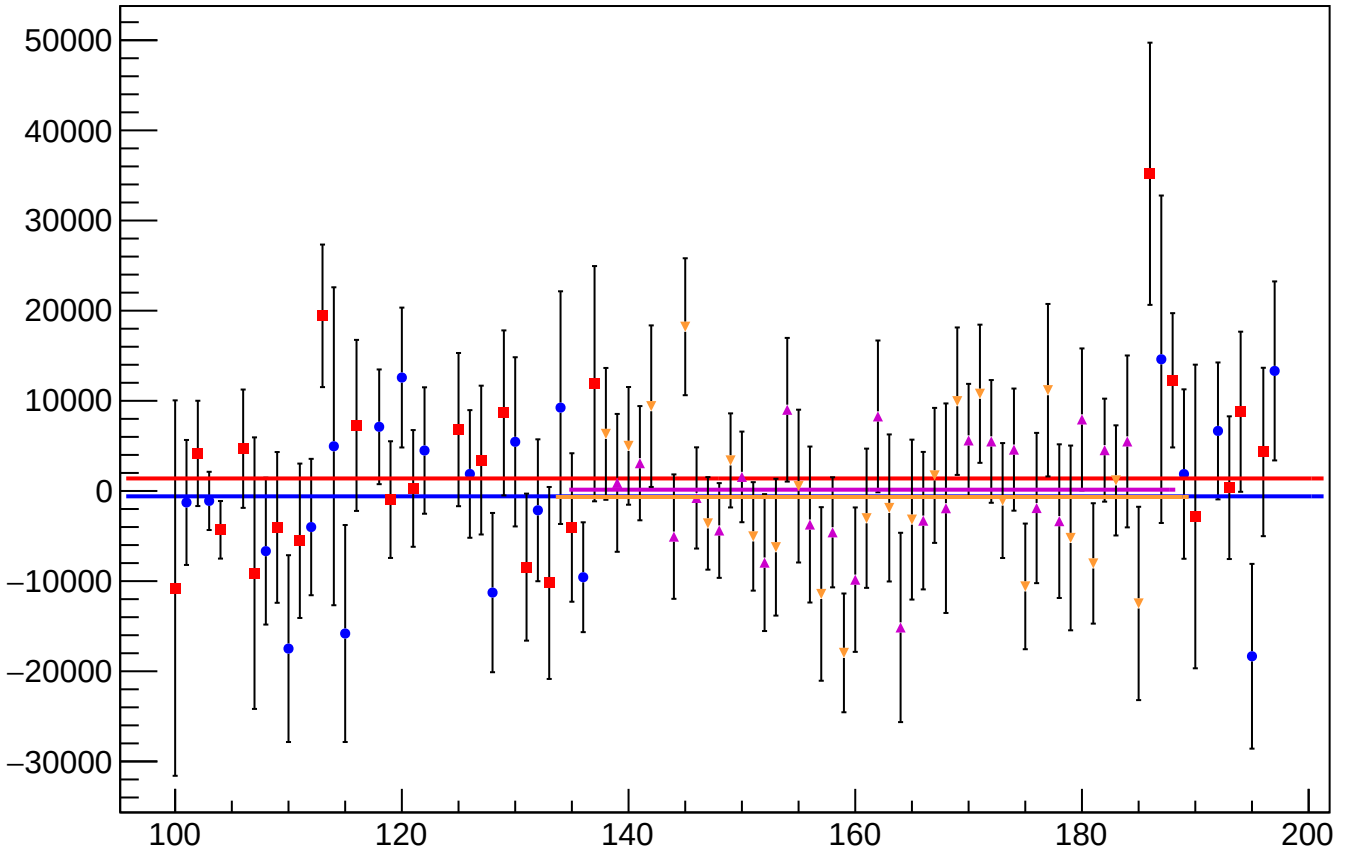
Right Out: 1850.994+/-0.389 χ^2/NDF: 110374.2/23

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.952+/-0.239 χ^2/NDF: 323822.6/44

All: 1820.685+/-0.168 χ^2/NDF: 462216.2/91

- sign 1822.388+/-0.237 χ^2/NDF: 138289.0/46



Right In: -593.891+/-1633.046 χ^2/NDF: 21.5/20

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

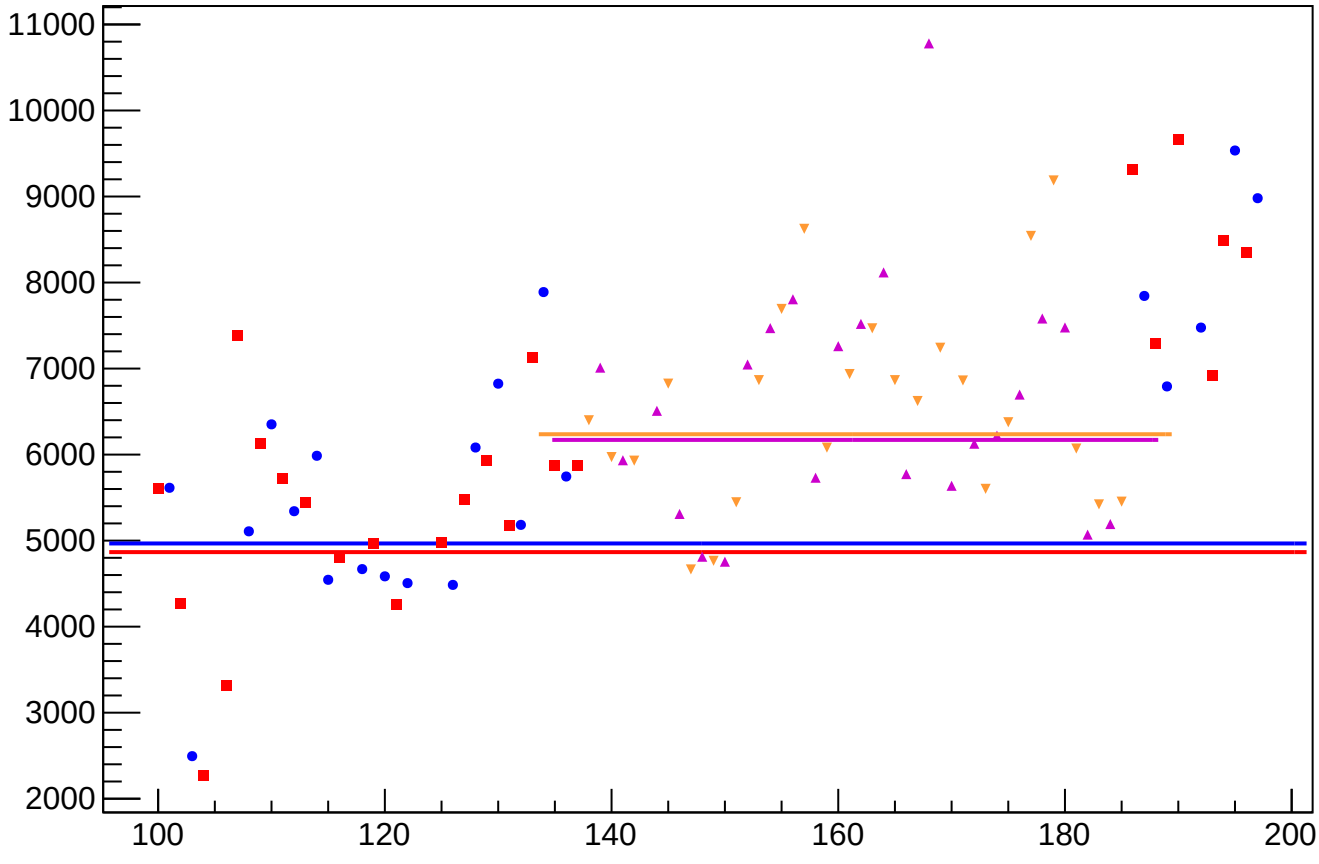
Right Out: 1389.378+/-1559.046 χ^2/NDF: 24.5/23

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -634.195+/-1096.154 χ^2/NDF: 51.2/44

All: 64.508+/-765.709 χ^2/NDF: 90.5/91

- sign 730.354+/-1070.070 χ^2/NDF: 38.5/46



Right In: 4967.040+/-1.155 χ^2/NDF: 2583048.3/20

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4866.462+/-1.102 χ^2/NDF: 3088183.2/23

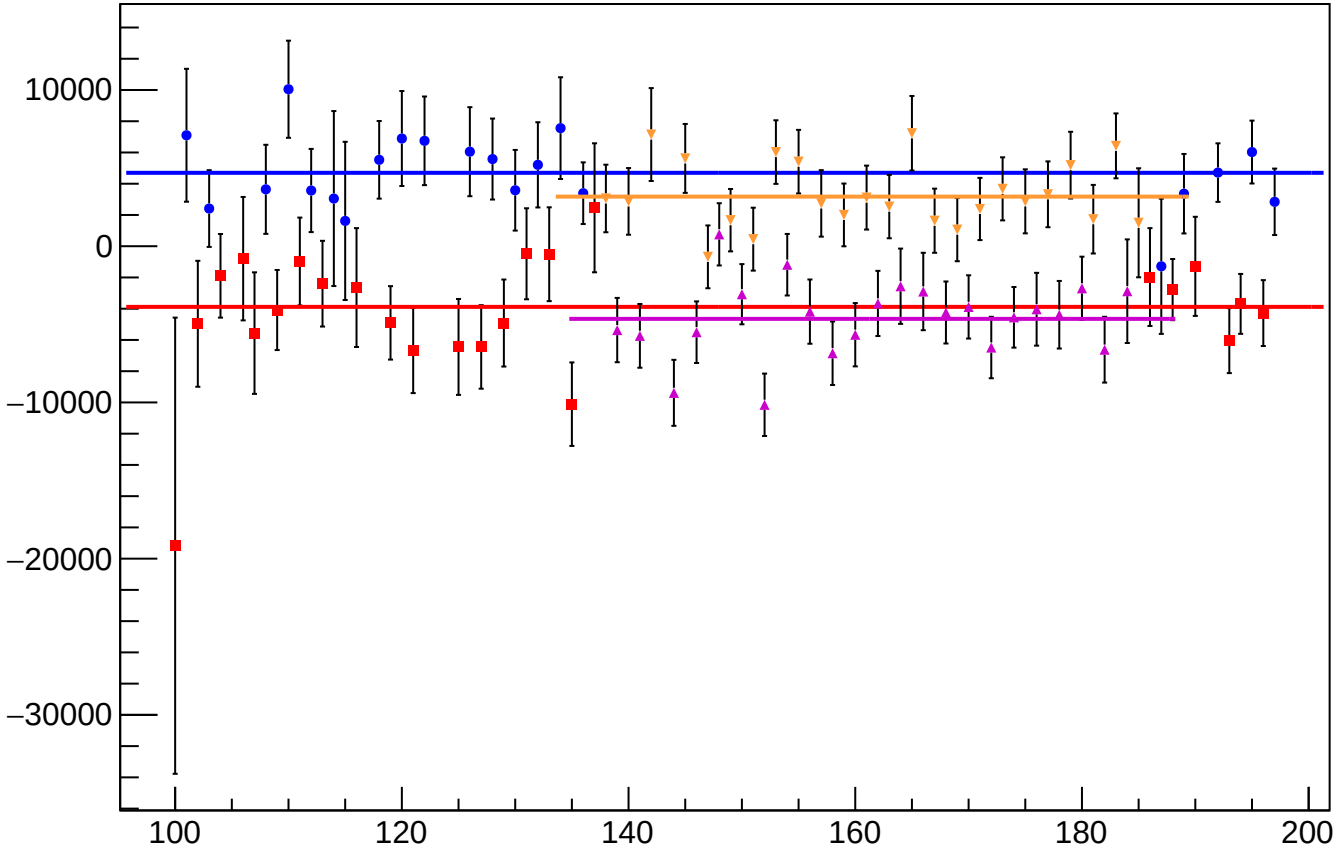
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5664.615+/-0.775 χ^2/NDF: 4314898.4/44

All: 5609.169+/-0.541 χ^2/NDF: 9391036.2/91

- sign 5556.331+/-0.757 χ^2/NDF: 5066144.3/46

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4698.997+/-585.001 χ^2/NDF: 11.2/20

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3883.116+/-565.749 χ^2/NDF: 19.9/23

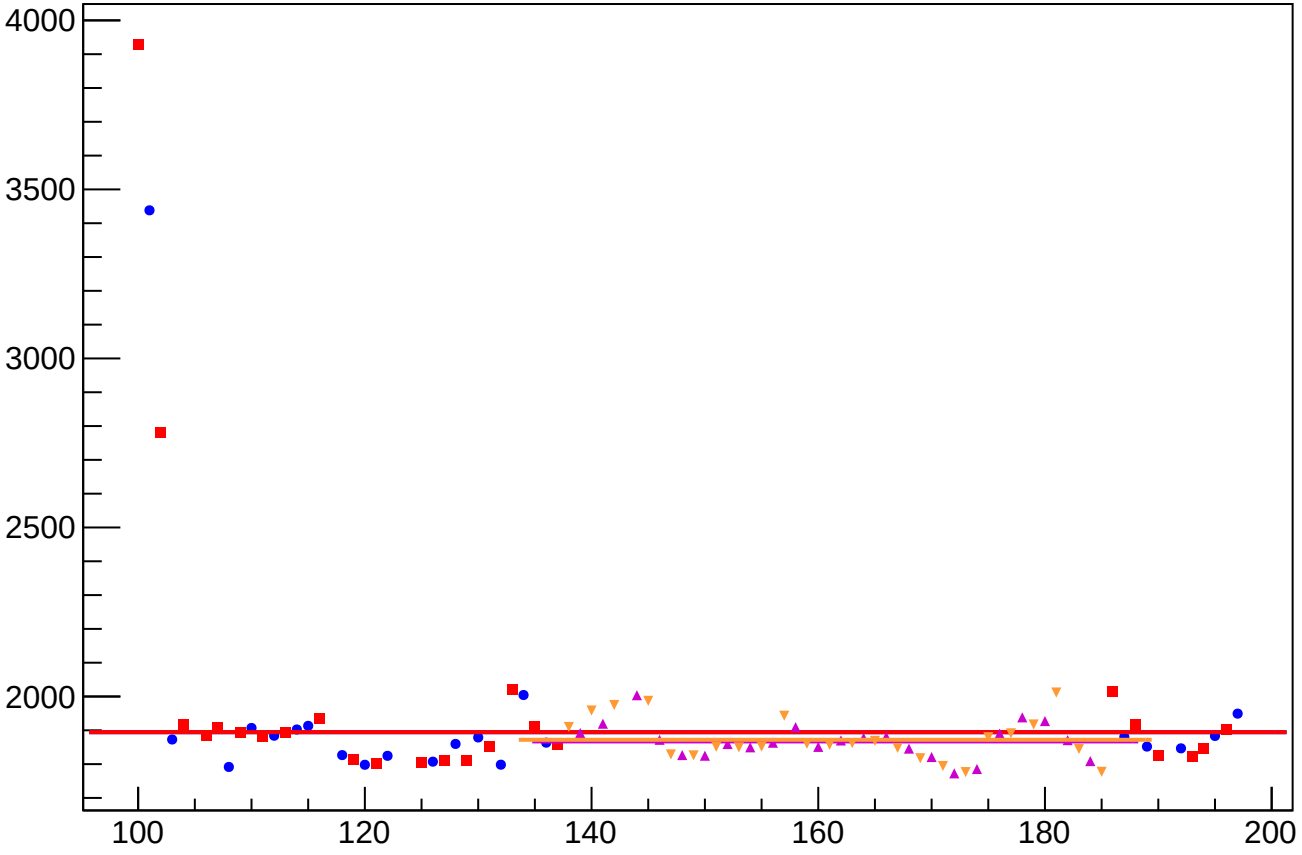
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3717.037+/-348.976 χ^2/NDF: 37.2/44

All: -364.774+/-245.505 χ^2/NDF: 359.6/91

- sign -4364.374+/-345.444 χ^2/NDF: 51.6/46

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1894.297+/-0.414 χ^2/NDF: 281848.5/20

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

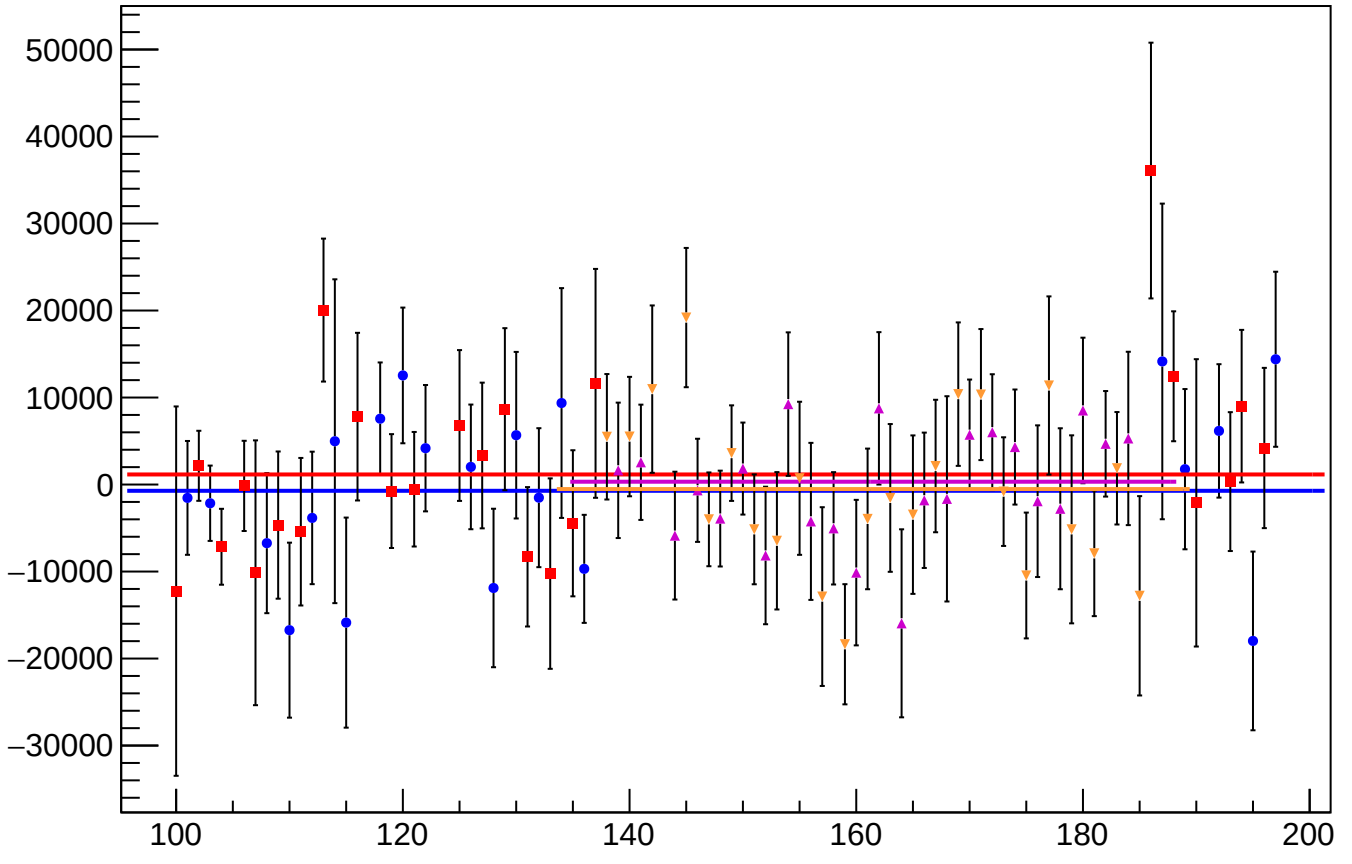
Right Out: 1894.656+/-0.400 χ^2/NDF: 158376.1/23

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1879.921+/-0.247 χ^2/NDF: 320878.3/44

All: 1878.632+/-0.174 χ^2/NDF: 509538.0/91

- sign 1877.369+/-0.244 χ^2/NDF: 188605.7/46



Right In: -719.042+/-1742.412 χ^2/NDF: 21.5/20

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

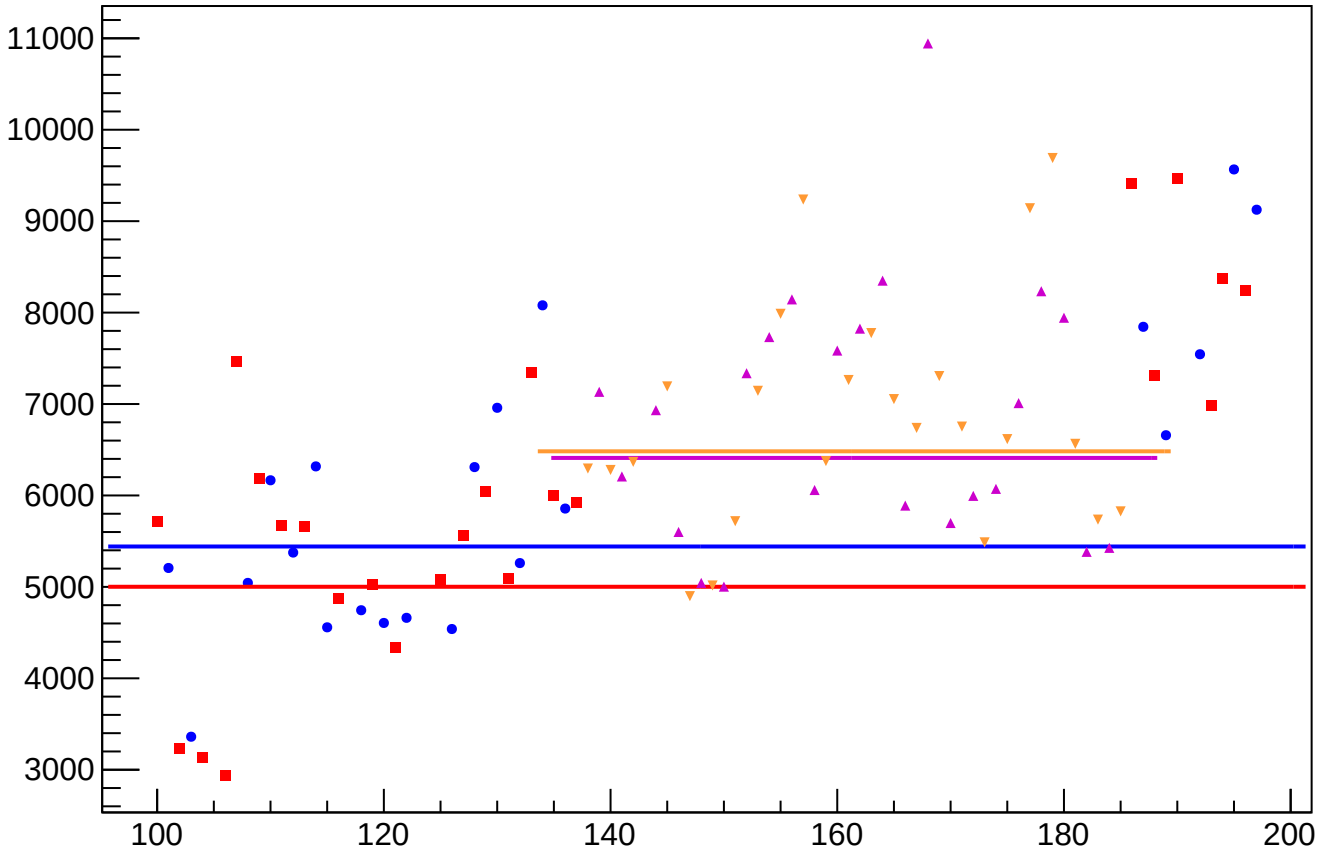
Right Out: 1158.689+/-1566.232 χ^2/NDF: 25.3/23

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -607.236+/-1152.548 χ^2/NDF: 50.7/44

All: 97.088+/-793.361 χ^2/NDF: 90.2/91

- sign 731.352+/-1093.724 χ^2/NDF: 38.8/46



Right In: 5441.772+/-1.232 χ^2/NDF: 1565385.2/20

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

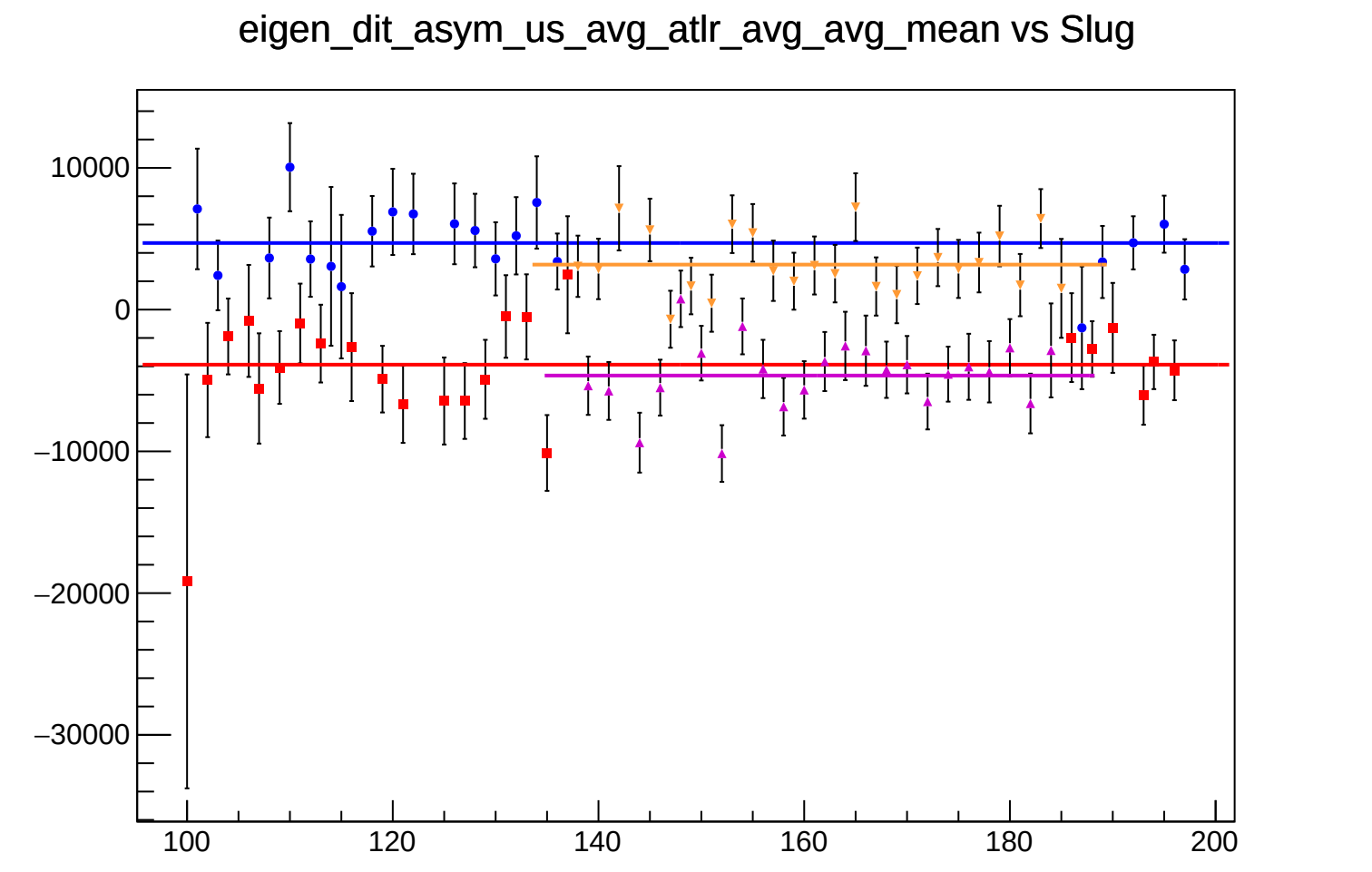
Right Out: 5001.294+/-1.107 χ^2/NDF: 2558697.2/23

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6027.270+/-0.815 χ^2/NDF: 3041471.4/44

All: 5867.313+/-0.561 χ^2/NDF: 7722659.1/91

- sign 5723.267+/-0.773 χ^2/NDF: 4607973.7/46



Right In: 4698.992+/-585.001 χ^2/NDF: 11.2/20

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3883.114+/-565.749 χ^2/NDF: 19.9/23

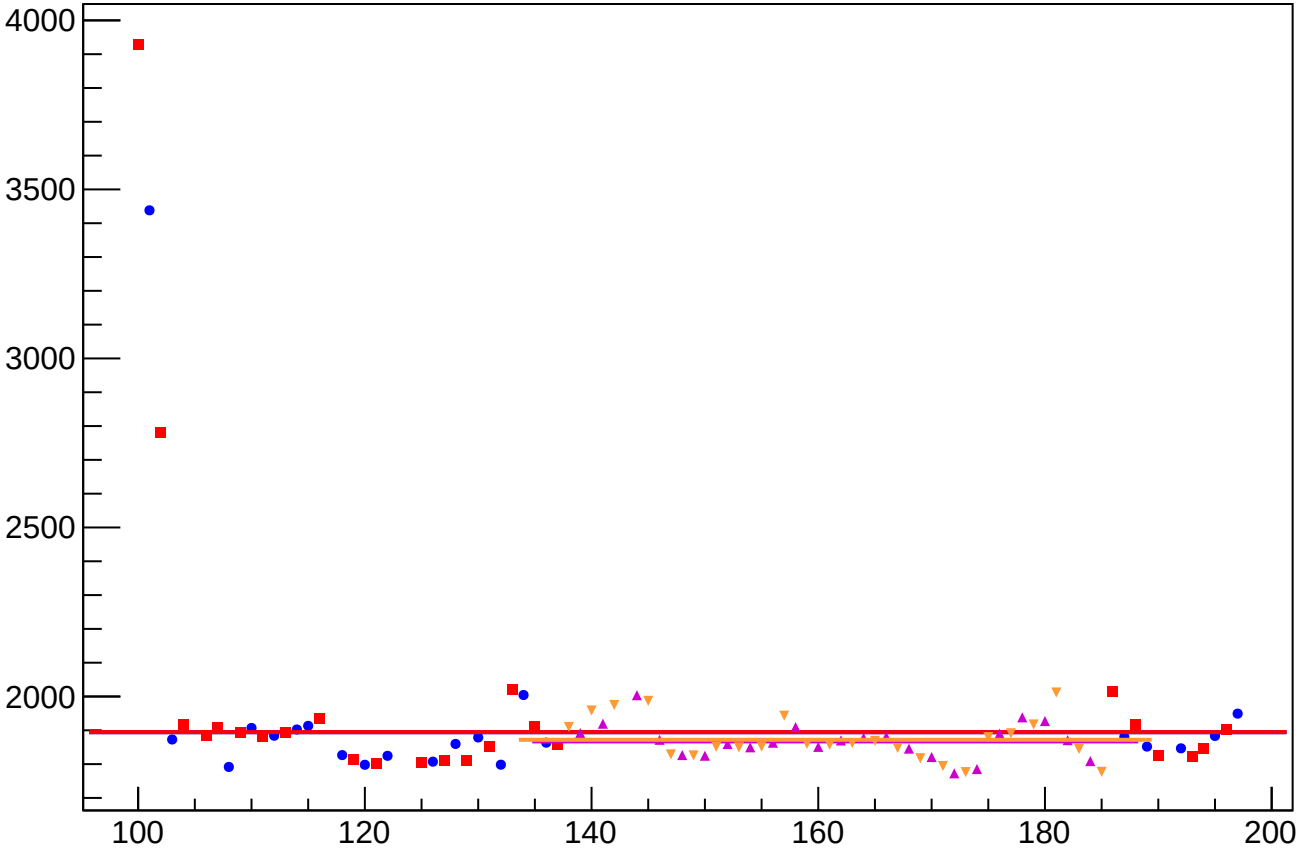
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3717.032+/-348.976 χ^2/NDF: 37.2/44

All: -364.776+/-245.505 χ^2/NDF: 359.6/91

- sign -4364.374+/-345.444 χ^2/NDF: 51.6/46

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1894.296+/-0.414 χ^2/NDF: 281848.8/20

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

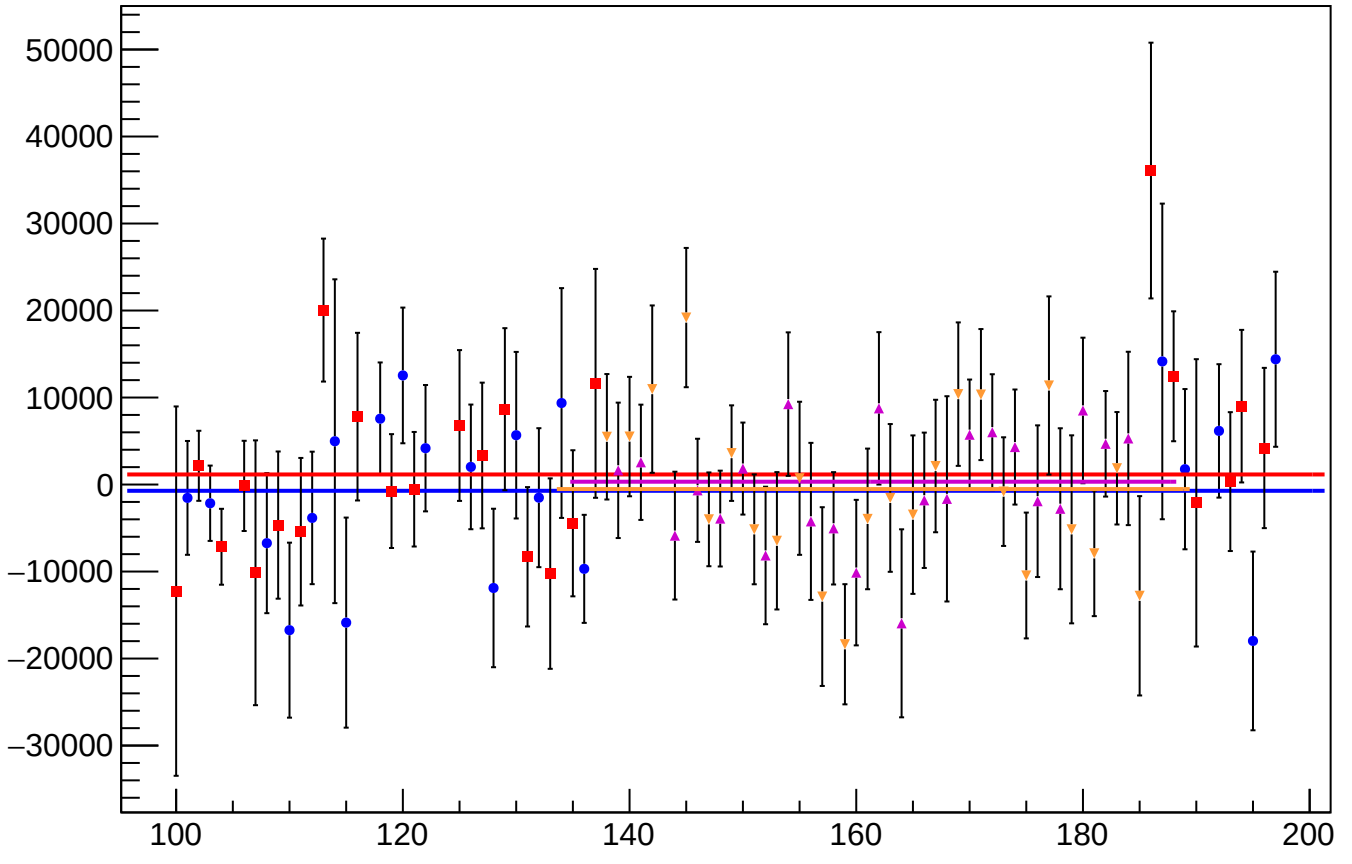
Right Out: 1894.656+/-0.400 χ^2/NDF: 158375.2/23

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1879.922+/-0.247 χ^2/NDF: 320879.3/44

All: 1878.633+/-0.174 χ^2/NDF: 509538.9/91

- sign 1877.370+/-0.244 χ^2/NDF: 188605.5/46



Right In: -719.036+/-1742.408 χ^2/NDF: 21.5/20

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

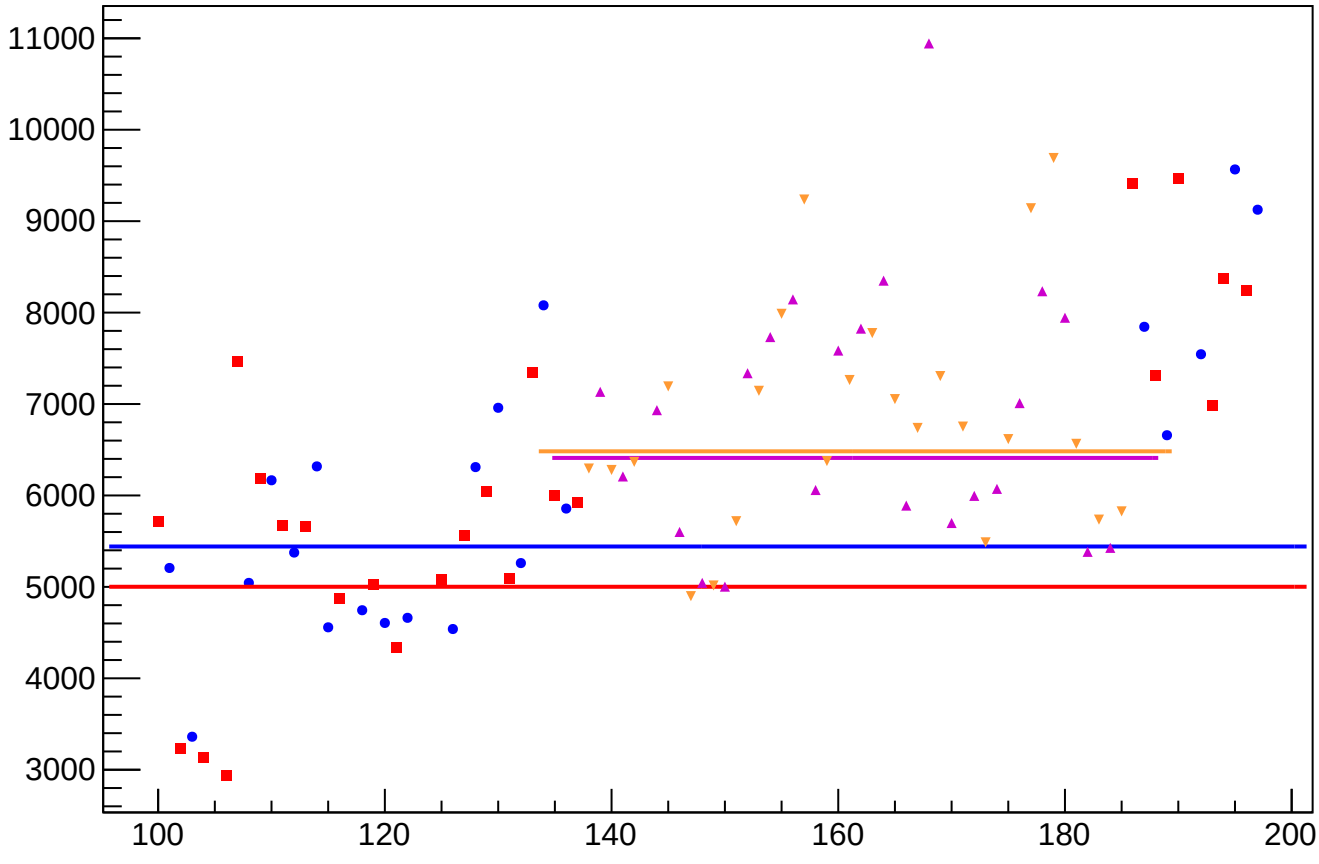
Right Out: 1158.681+/-1566.229 χ^2/NDF: 25.3/23

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -607.237+/-1152.548 χ^2/NDF: 50.7/44

All: 97.087+/-793.361 χ^2/NDF: 90.2/91

- sign 731.350+/-1093.724 χ^2/NDF: 38.8/46



Right In: 5441.760+/-1.232 χ^2/NDF: 1565399.4/20

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5001.282+/-1.107 χ^2/NDF: 2558709.1/23

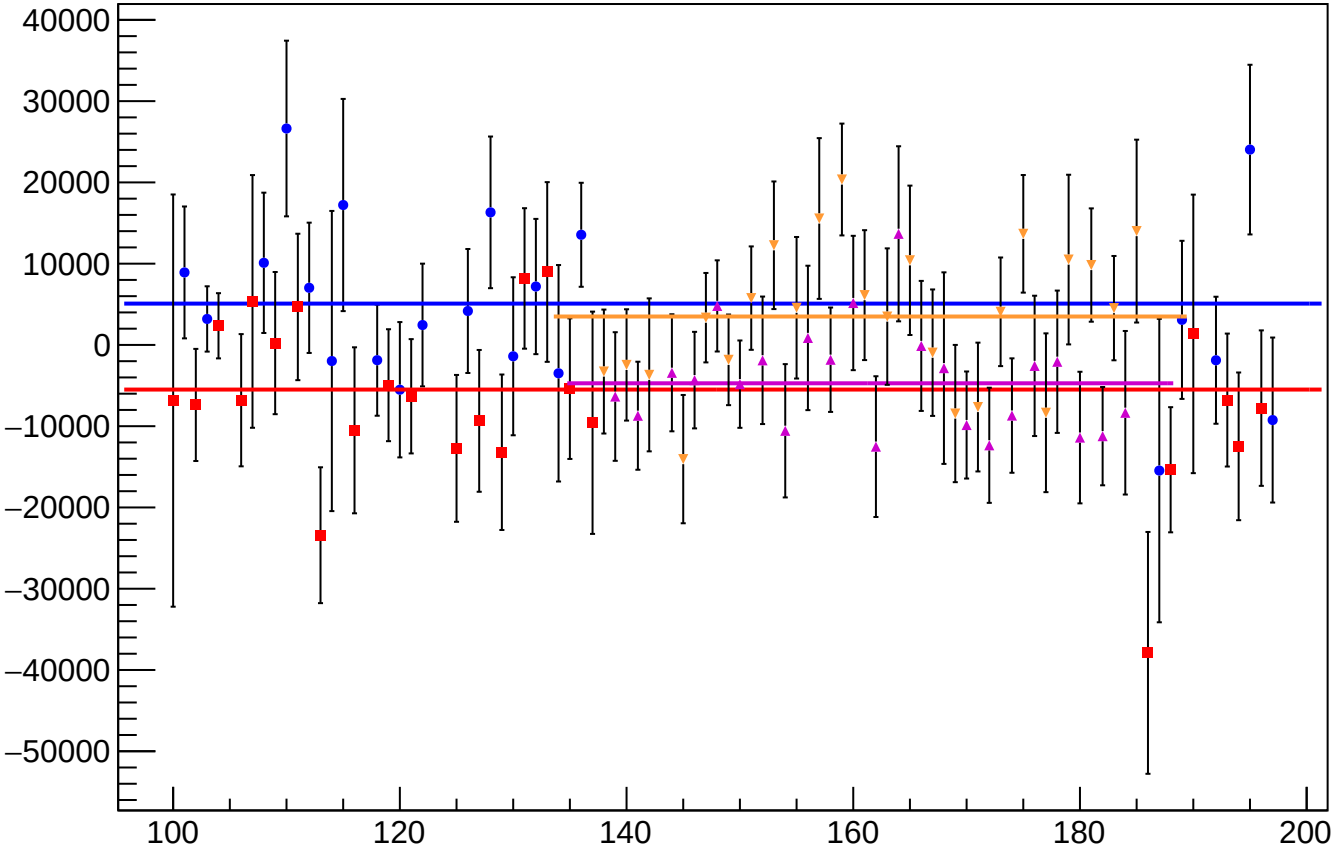
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6027.269+/-0.815 χ^2/NDF: 3041506.1/44

All: 5867.311+/-0.561 χ^2/NDF: 7722735.5/91

- sign 5723.264+/-0.773 χ^2/NDF: 4608014.5/46

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5085.534+/-1798.357 χ^2/NDF: 20.1/20

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5492.274+/-1730.658 χ^2/NDF: 24.0/23

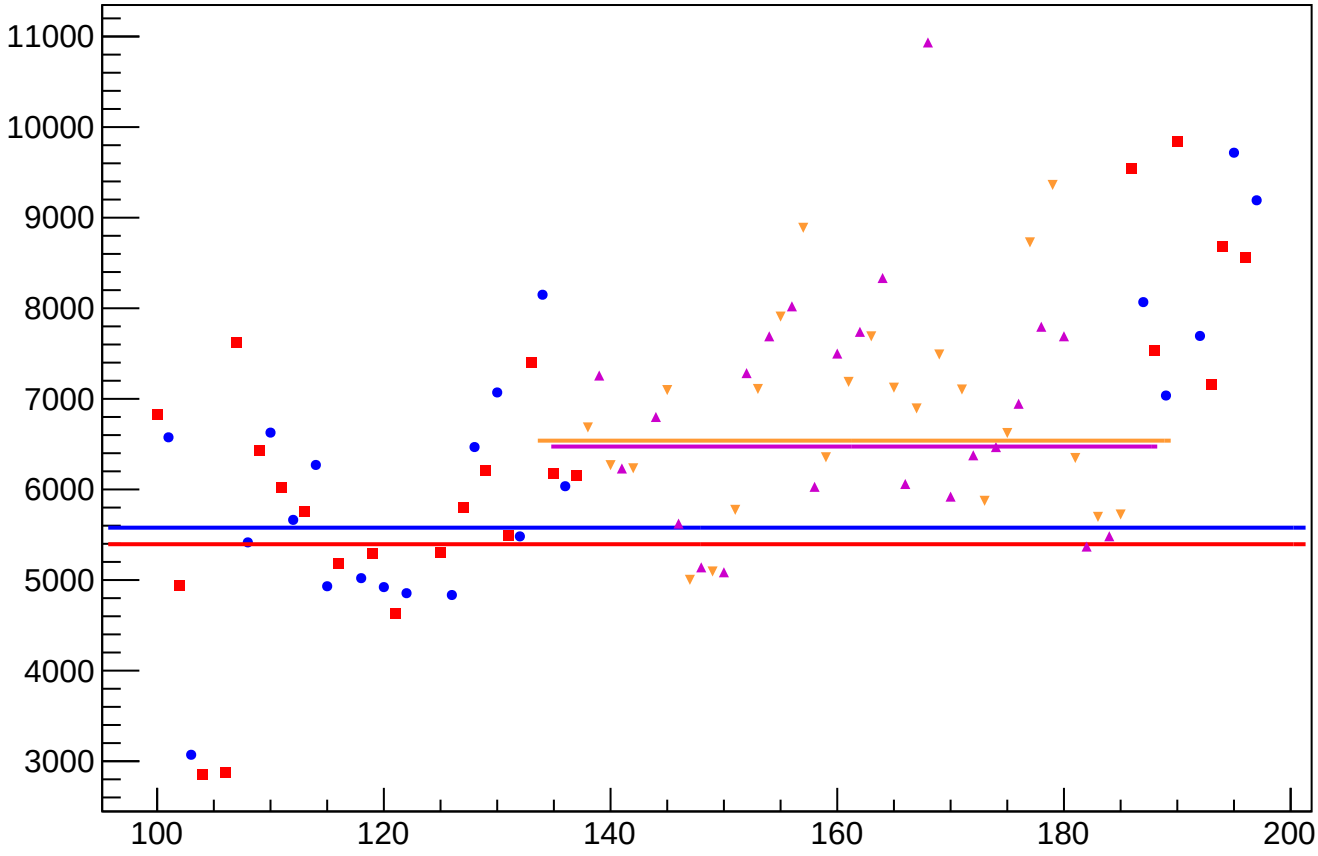
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4172.091+/-1172.273 χ^2/NDF: 48.0/44

All: -532.397+/-820.980 χ^2/NDF: 118.0/91

- sign -5060.808+/-1150.126 χ^2/NDF: 38.4/46

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5578.116+/-1.272 χ^2/NDF: 1844471.6/20

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

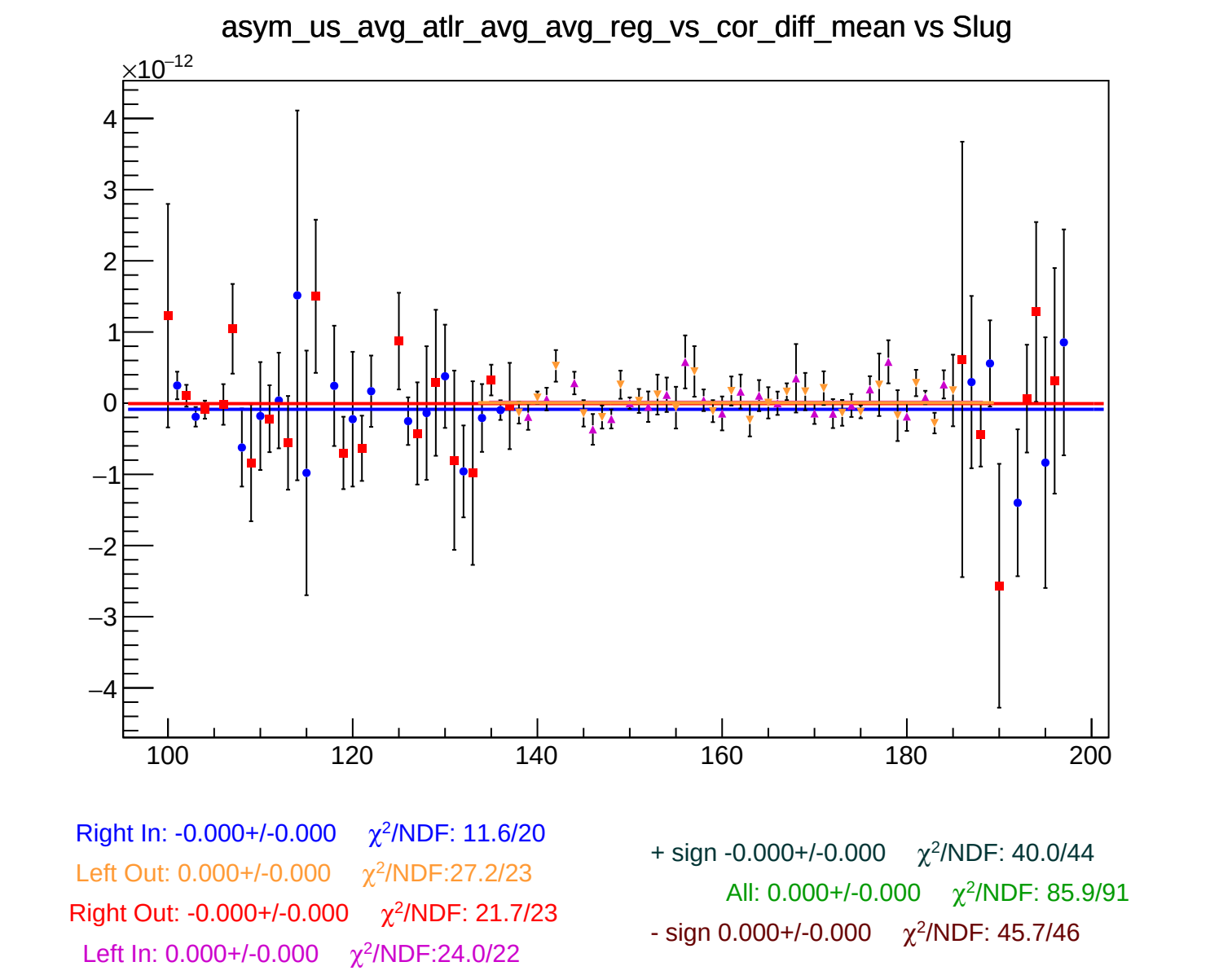
Right Out: 5395.406+/-1.204 χ^2/NDF: 2385638.9/23

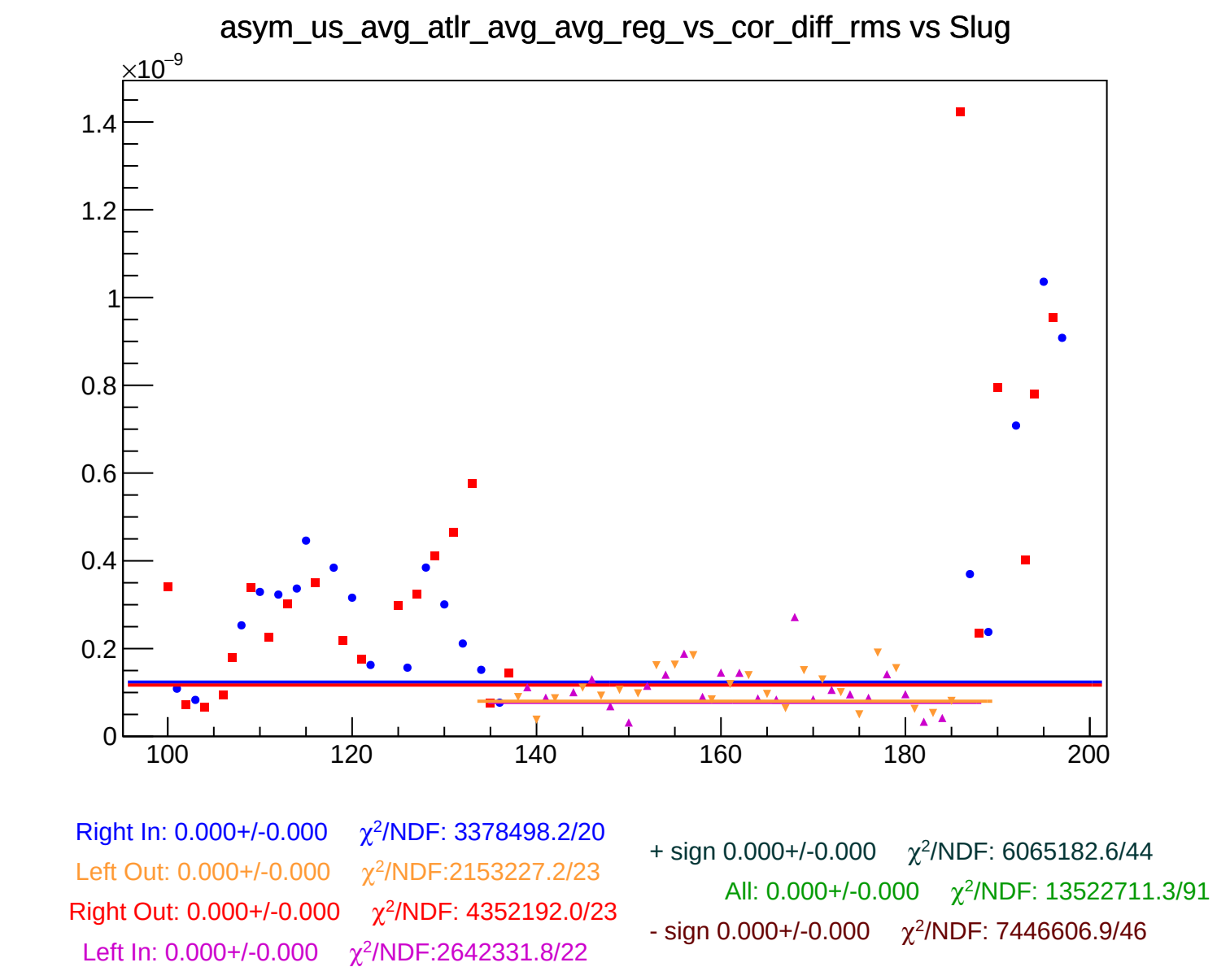
Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

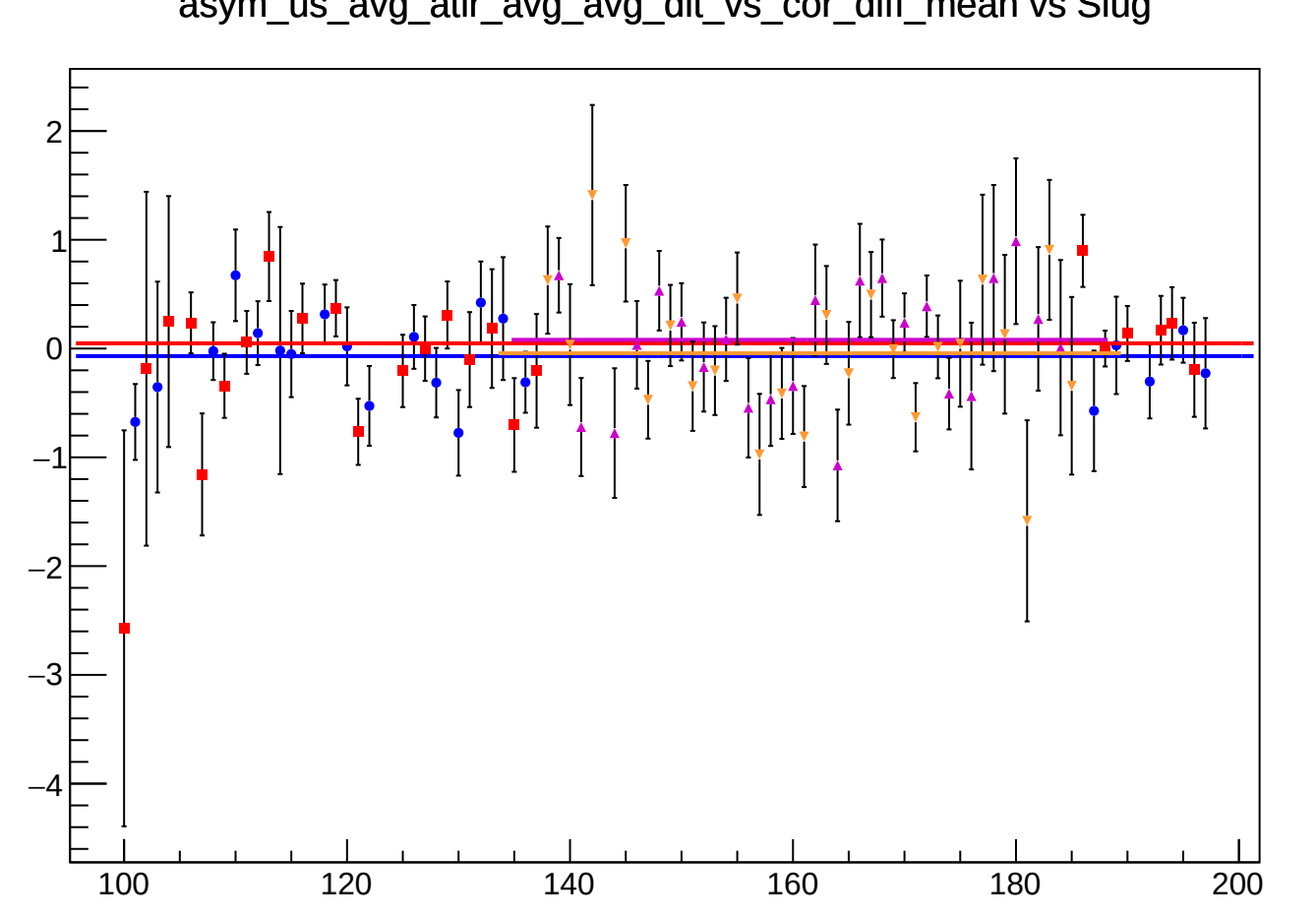
+ sign 6130.527+/-0.829 χ^2/NDF: 3093247.6/44

All: 6057.648+/-0.578 χ^2/NDF: 7007076.0/91

- sign 5988.526+/-0.807 χ^2/NDF: 3898766.8/46


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 11.6/20
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 21.7/23
Left In: 0.000+/-0.000 χ²/NDF:24.0/22
+ sign -0.000+/-0.000 χ²/NDF: 40.0/44
All: 0.000+/-0.000 χ²/NDF: 85.9/91
- sign 0.000+/-0.000 χ²/NDF: 45.7/46


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: 3378498.2/20
Left Out: 0.000+/-0.000 χ²/NDF:2153227.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 4352192.0/23
Left In: 0.000+/-0.000 χ²/NDF:2642331.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6065182.6/44
All: 0.000+/-0.000 χ²/NDF: 13522711.3/91
- sign 0.000+/-0.000 χ²/NDF: 7446606.9/46



Right In: -0.069+/-0.079 χ^2/NDF: 19.4/20

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

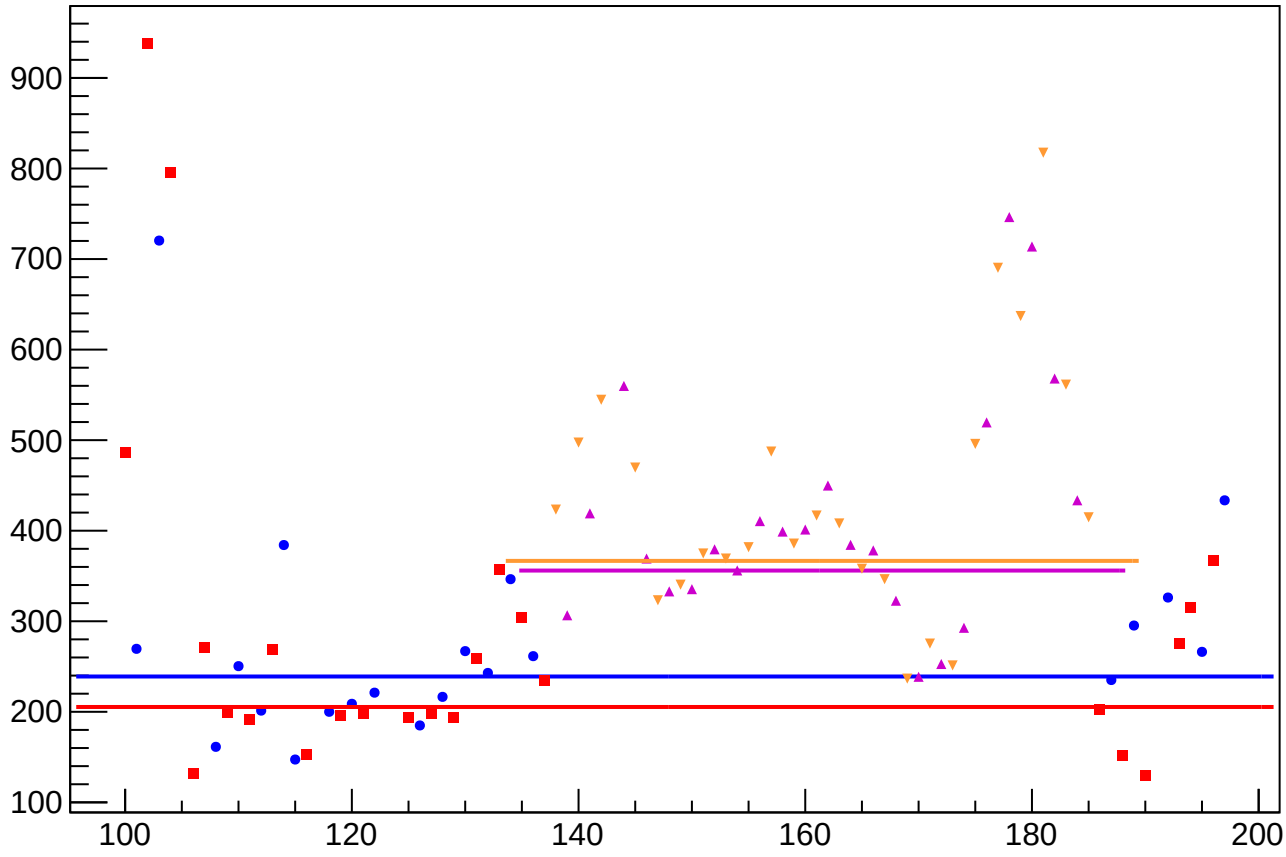
Right Out: 0.048+/-0.068 χ^2/NDF: 34.3/23

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.058+/-0.060 χ^2/NDF: 50.4/44

All: 0.007+/-0.040 χ^2/NDF: 117.3/91

- sign 0.060+/-0.054 χ^2/NDF: 64.7/46



Right In: 238.993+/-0.056 χ^2/NDF: 1562413.1/20

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

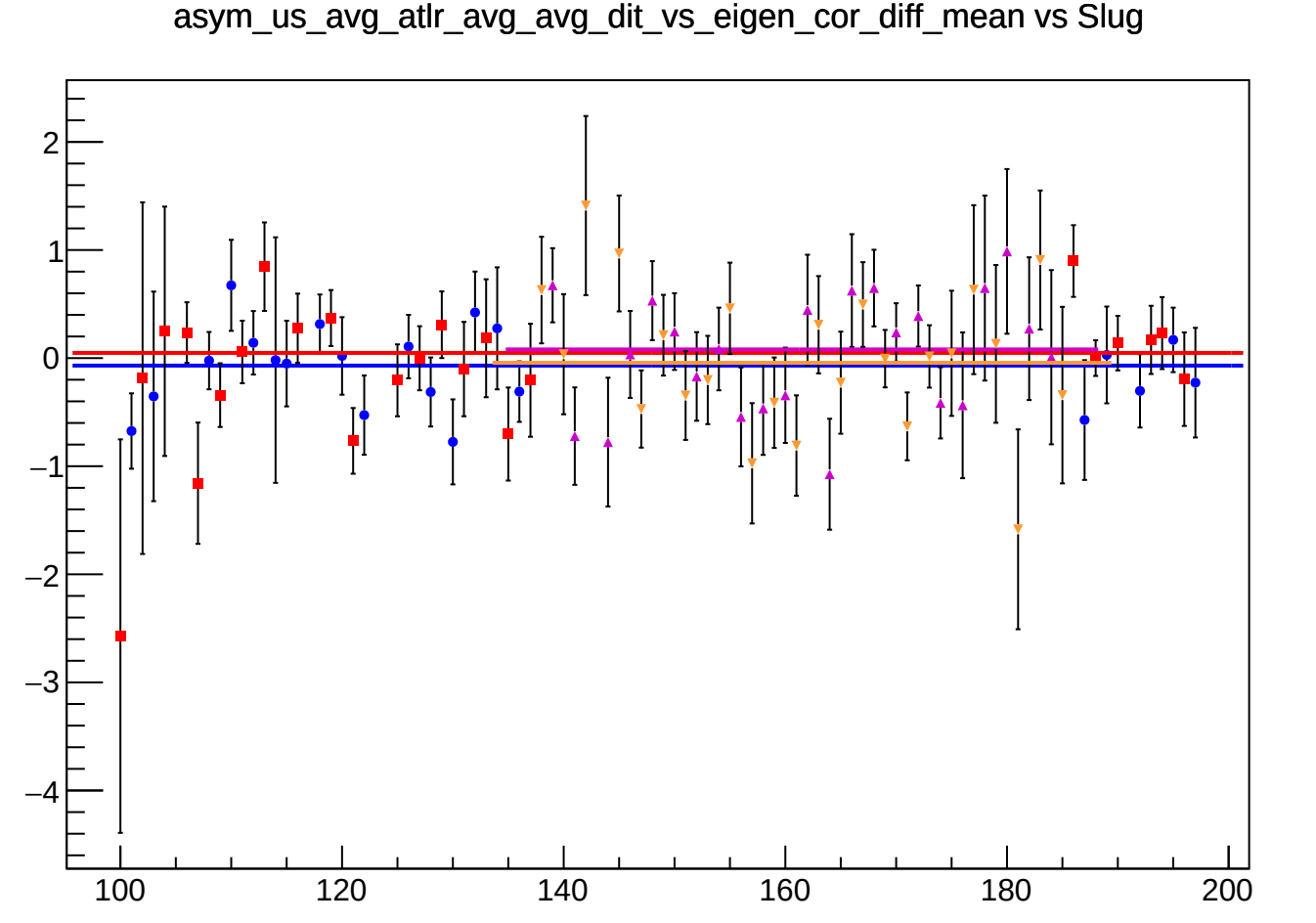
Right Out: 205.330+/-0.048 χ^2/NDF: 2538880.9/23

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 294.421+/-0.042 χ^2/NDF: 6658239.6/44

All: 276.402+/-0.028 χ^2/NDF: 15634972.8/91

- sign 261.765+/-0.038 χ^2/NDF: 8645435.7/46



Right In: -0.069+/-0.079 χ^2/NDF: 19.4/20

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

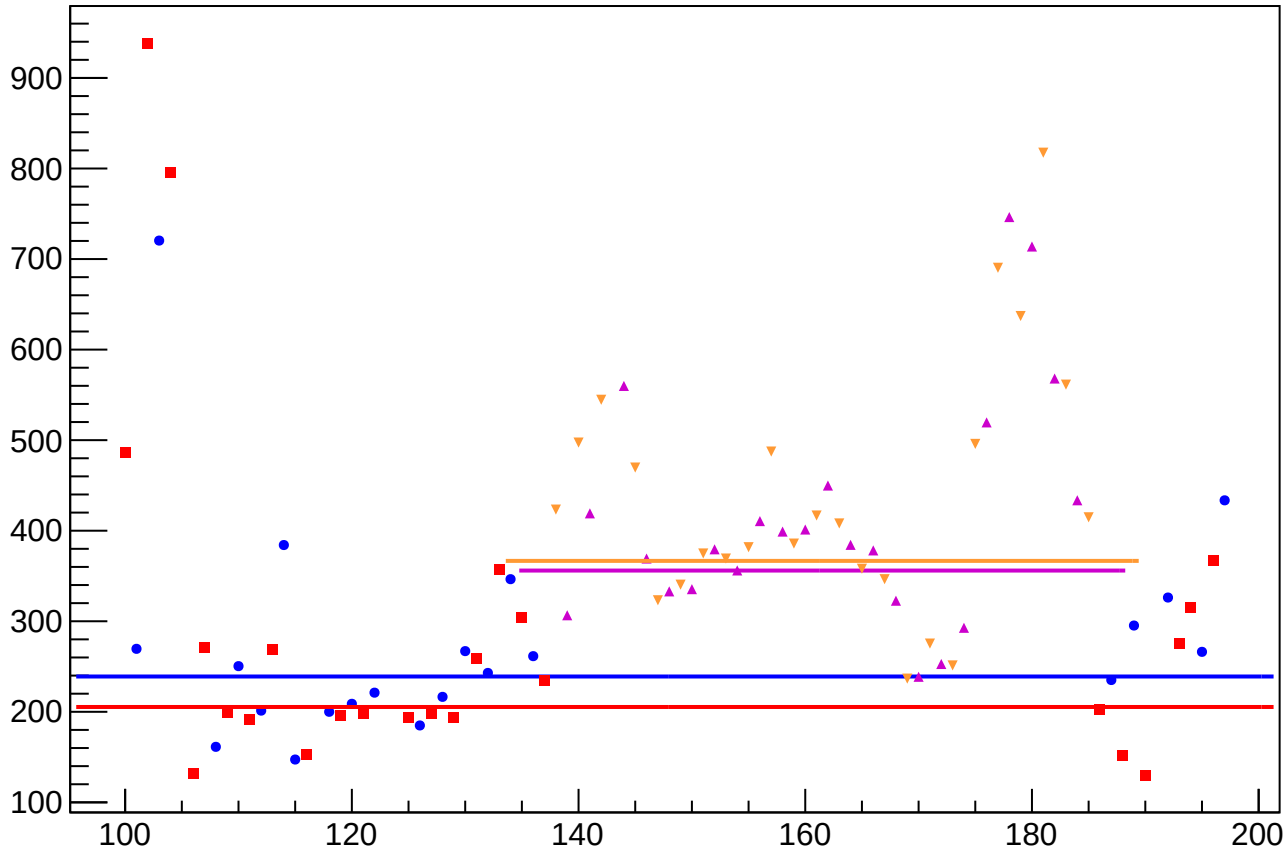
Right Out: 0.048+/-0.068 χ^2/NDF: 34.3/23

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.058+/-0.060 χ^2/NDF: 50.4/44

All: 0.007+/-0.040 χ^2/NDF: 117.3/91

- sign 0.060+/-0.054 χ^2/NDF: 64.7/46



Right In: 238.993+/-0.056 χ^2/NDF: 1562413.1/20

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

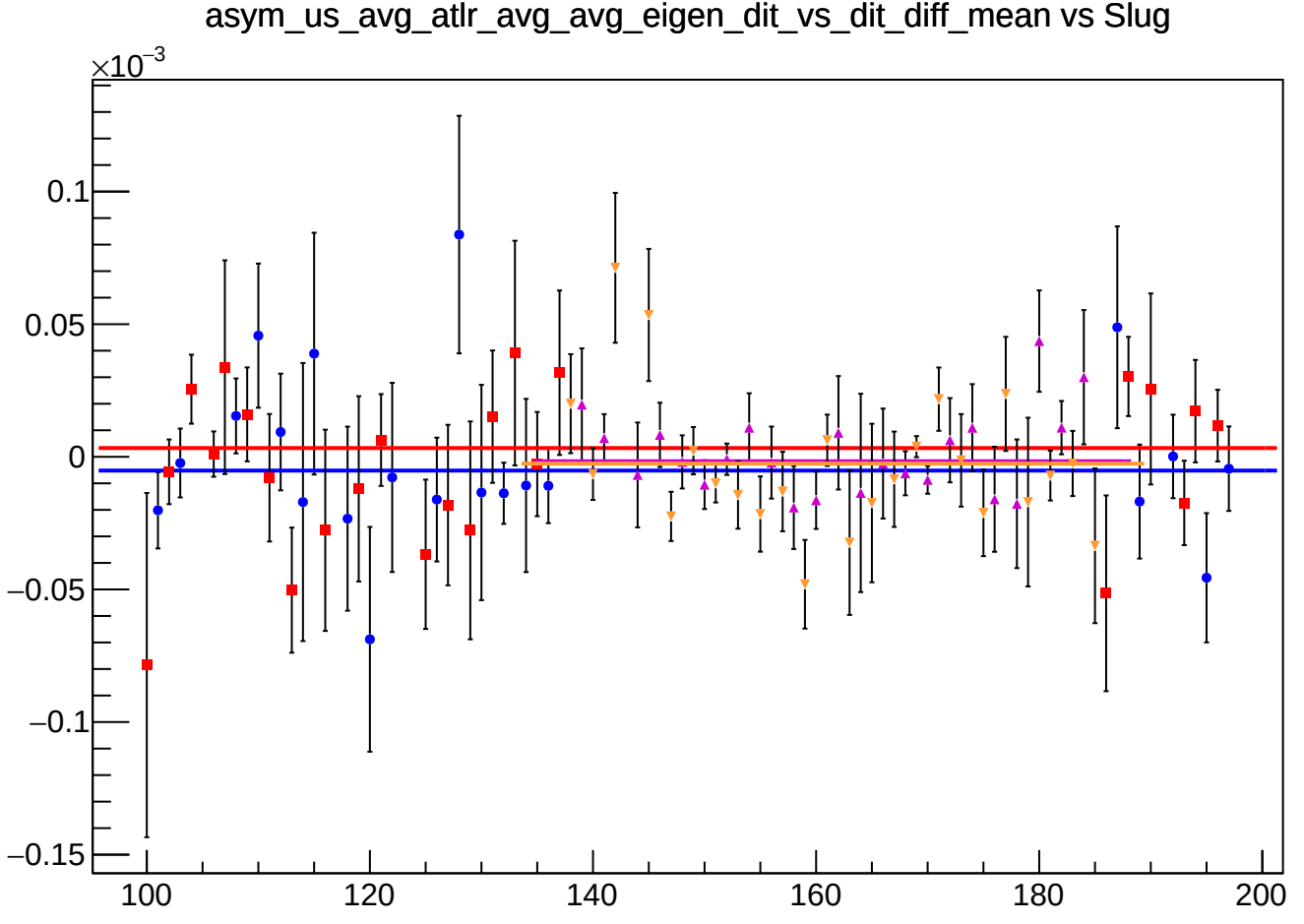
Right Out: 205.330+/-0.048 χ^2/NDF: 2538880.9/23

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 294.421+/-0.042 χ^2/NDF: 6658239.6/44

All: 276.402+/-0.028 χ^2/NDF: 15634972.8/91

- sign 261.765+/-0.038 χ^2/NDF: 8645435.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

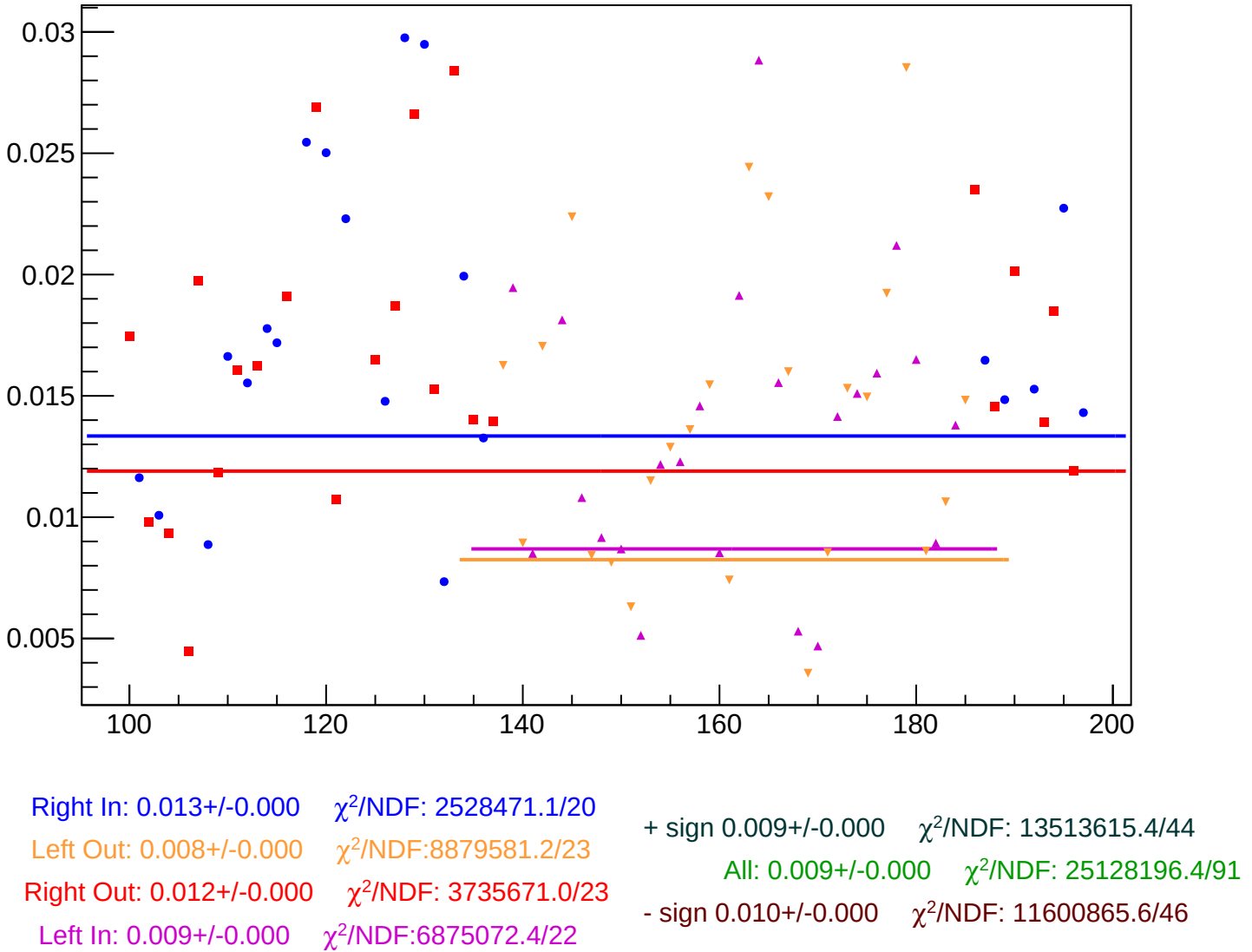
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/23

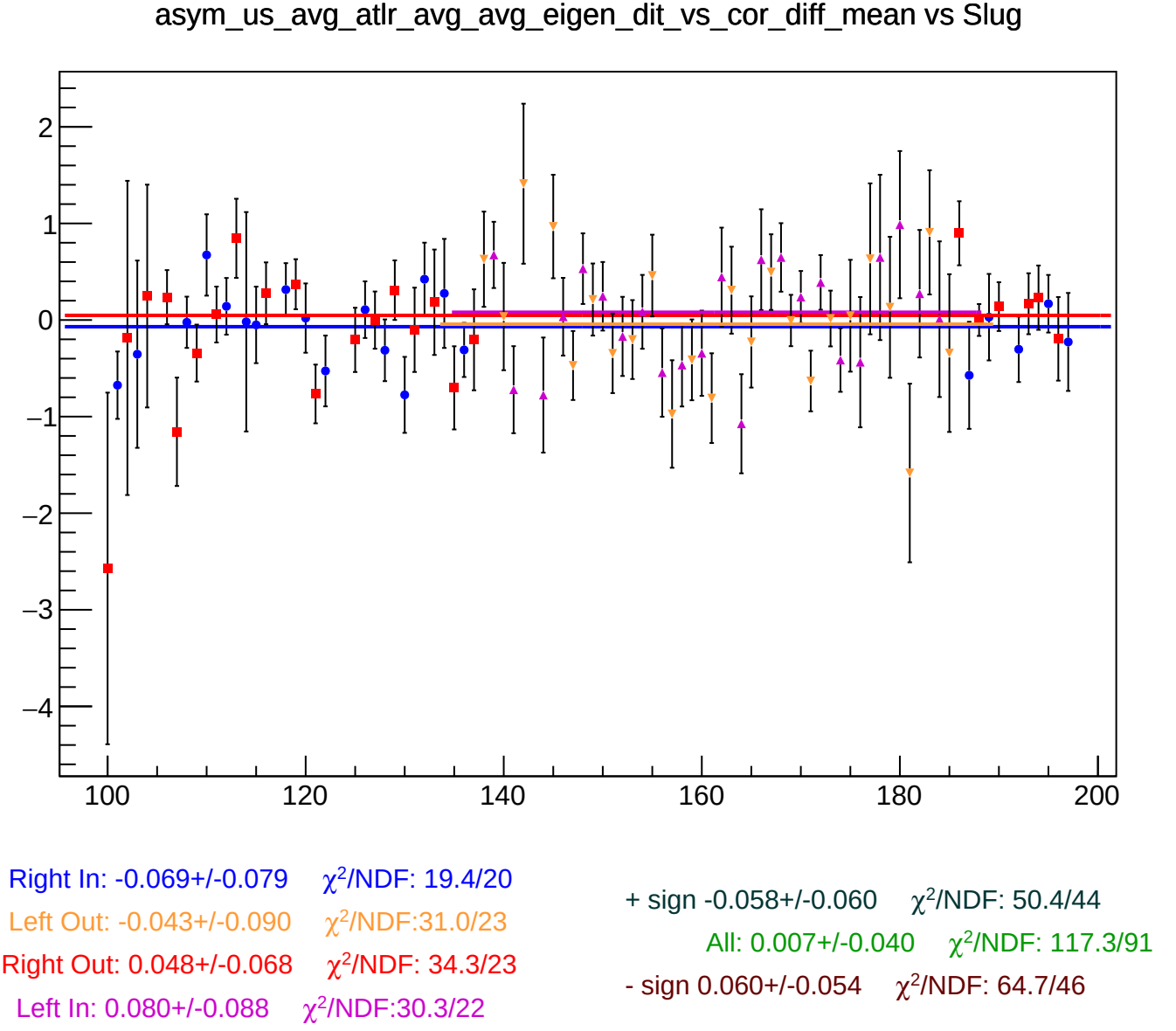
Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

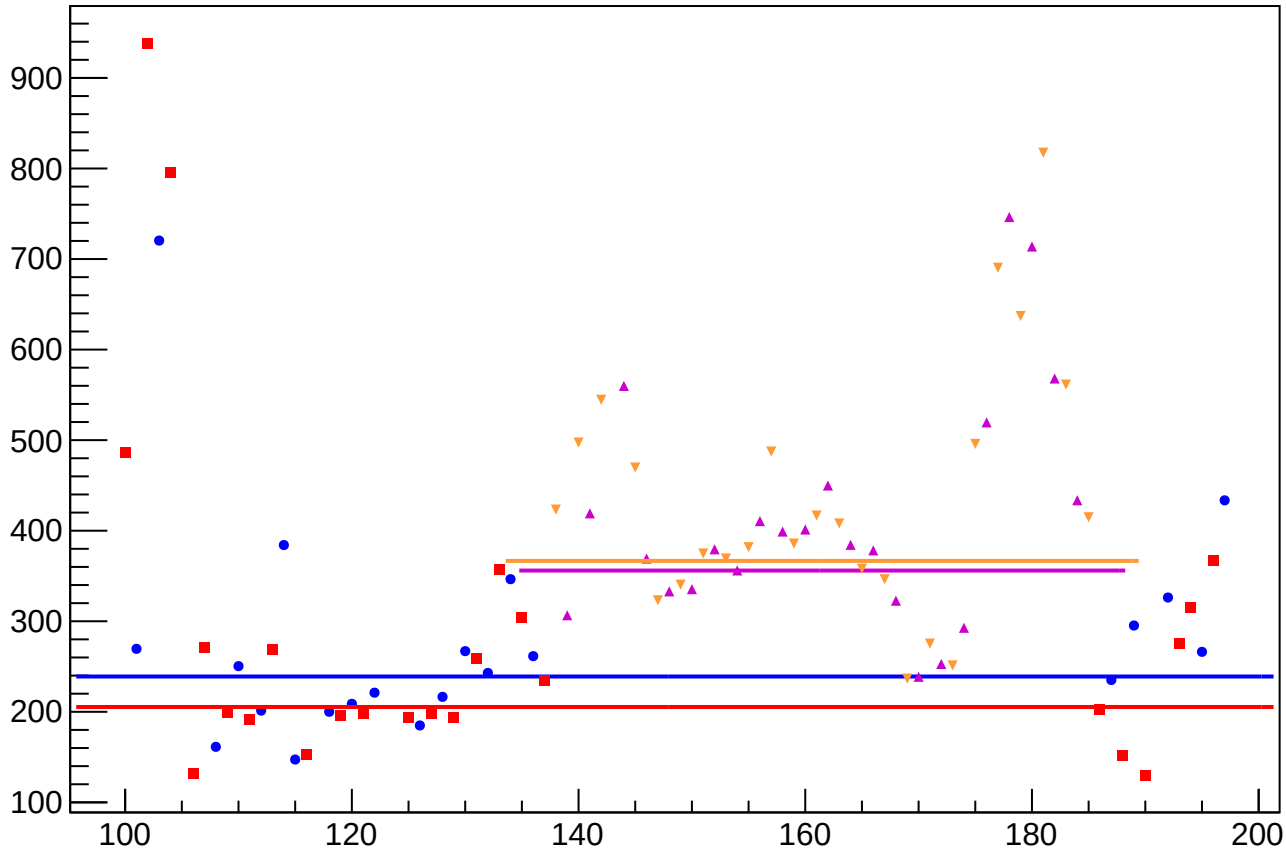
+ sign -0.000+/-0.000 χ^2/NDF: 64.6/44

All: -0.000+/-0.000 χ^2/NDF: 113.4/91

- sign -0.000+/-0.000 χ^2/NDF: 47.8/46


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.013+/-0.000 χ²/NDF: 2528471.1/20
Left Out: 0.008+/-0.000 χ²/NDF:8879581.2/23
Right Out: 0.012+/-0.000 χ²/NDF: 3735671.0/23
Left In: 0.009+/-0.000 χ²/NDF:6875072.4/22
+ sign 0.009+/-0.000 χ²/NDF: 13513615.4/44
All: 0.009+/-0.000 χ²/NDF: 25128196.4/91
- sign 0.010+/-0.000 χ²/NDF: 11600865.6/46


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.069+/-0.079 χ²/NDF: 19.4/20
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.048+/-0.068 χ²/NDF: 34.3/23
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.058+/-0.060 χ²/NDF: 50.4/44
All: 0.007+/-0.040 χ²/NDF: 117.3/91
- sign 0.060+/-0.054 χ²/NDF: 64.7/46



Right In: 238.992+/-0.056 χ^2/NDF: 1562402.4/20

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

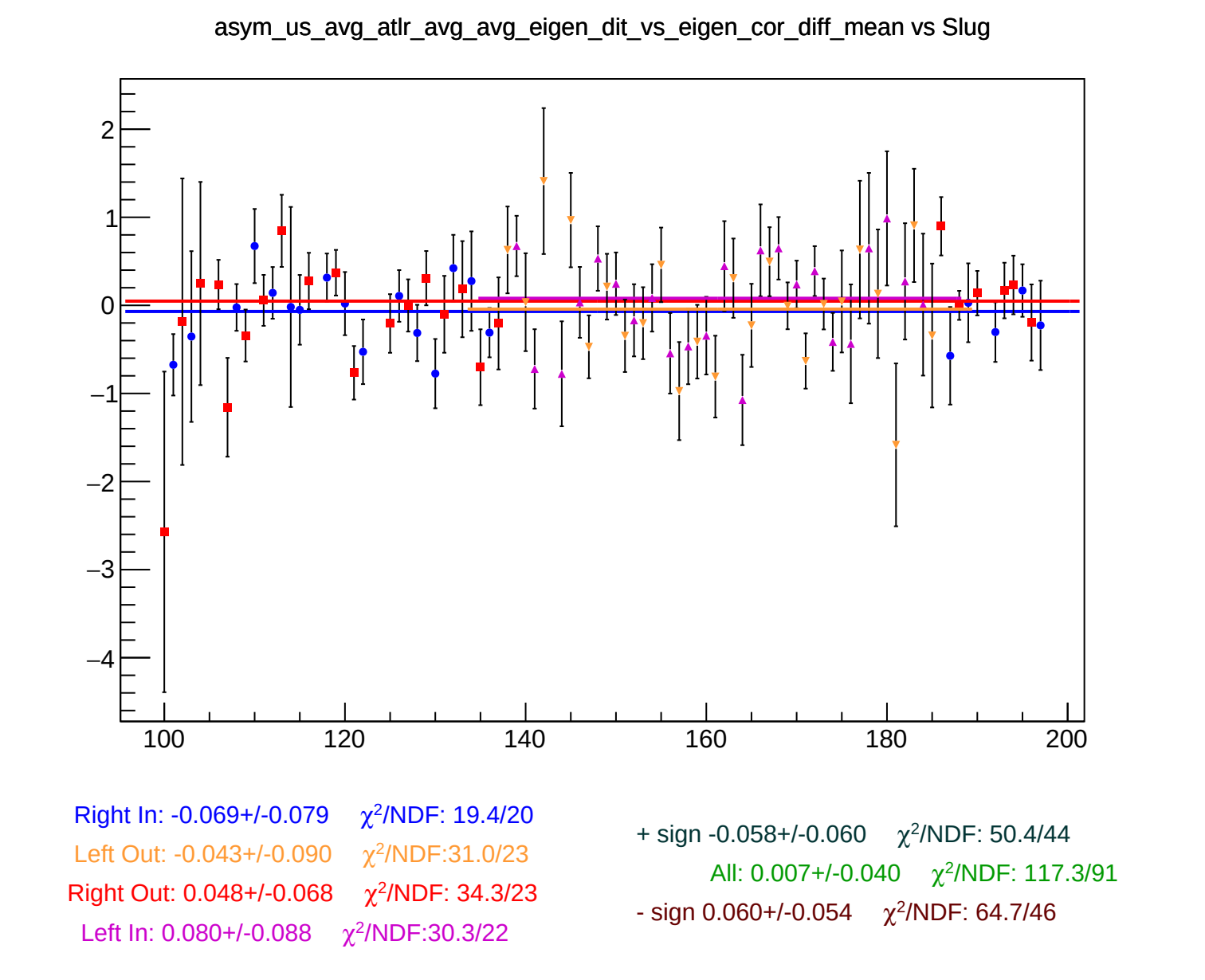
Right Out: 205.326+/-0.048 χ^2/NDF: 2538893.9/23

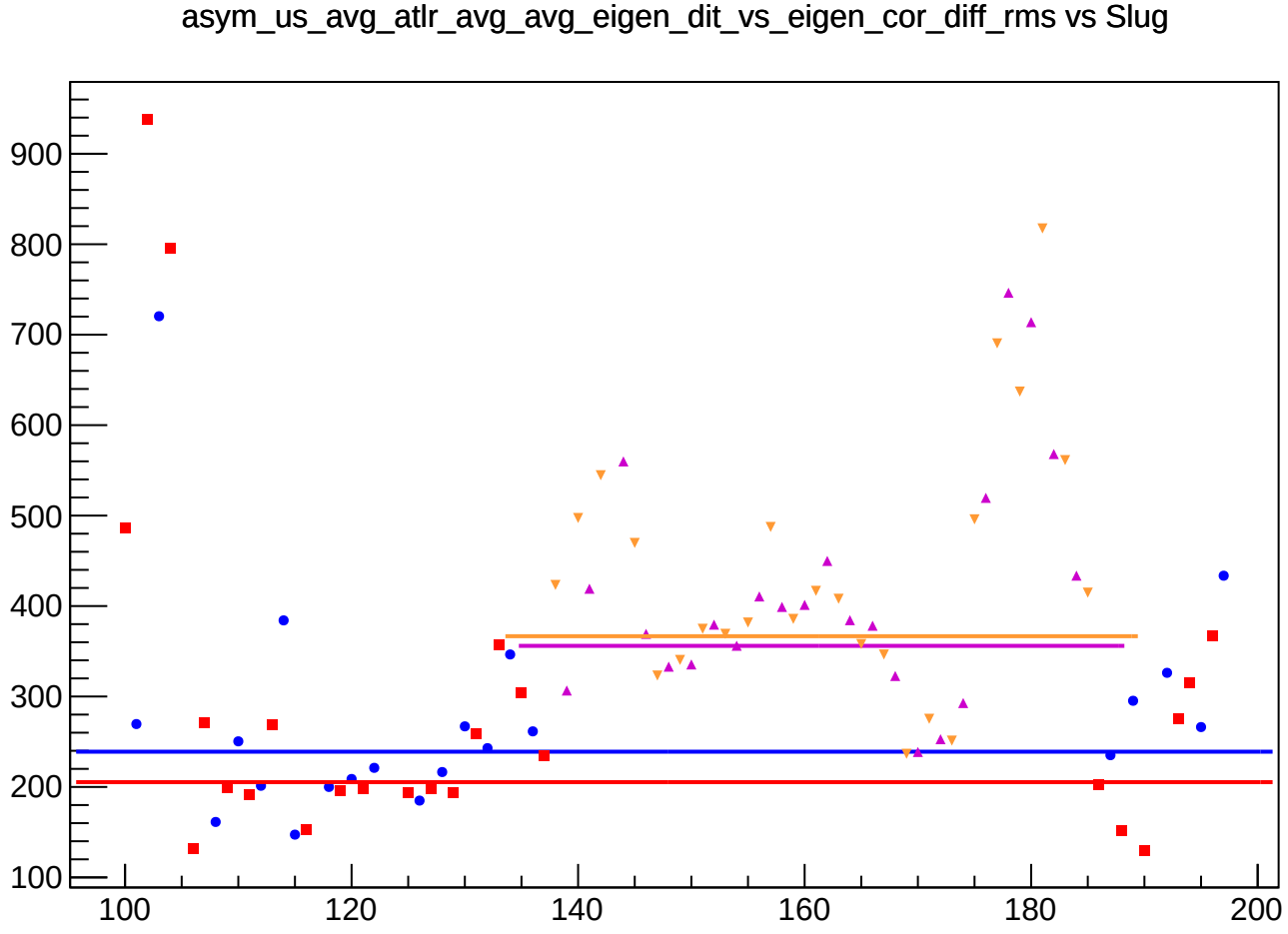
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 294.419+/-0.042 χ^2/NDF: 6658525.6/44

All: 276.400+/-0.028 χ^2/NDF: 15635708.3/91

- sign 261.763+/-0.038 χ^2/NDF: 8645853.7/46


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.069+/-0.079 χ²/NDF: 19.4/20
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.048+/-0.068 χ²/NDF: 34.3/23
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.058+/-0.060 χ²/NDF: 50.4/44
All: 0.007+/-0.040 χ²/NDF: 117.3/91
- sign 0.060+/-0.054 χ²/NDF: 64.7/46



Right In: 238.992+/-0.056 χ^2/NDF: 1562402.4/20

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

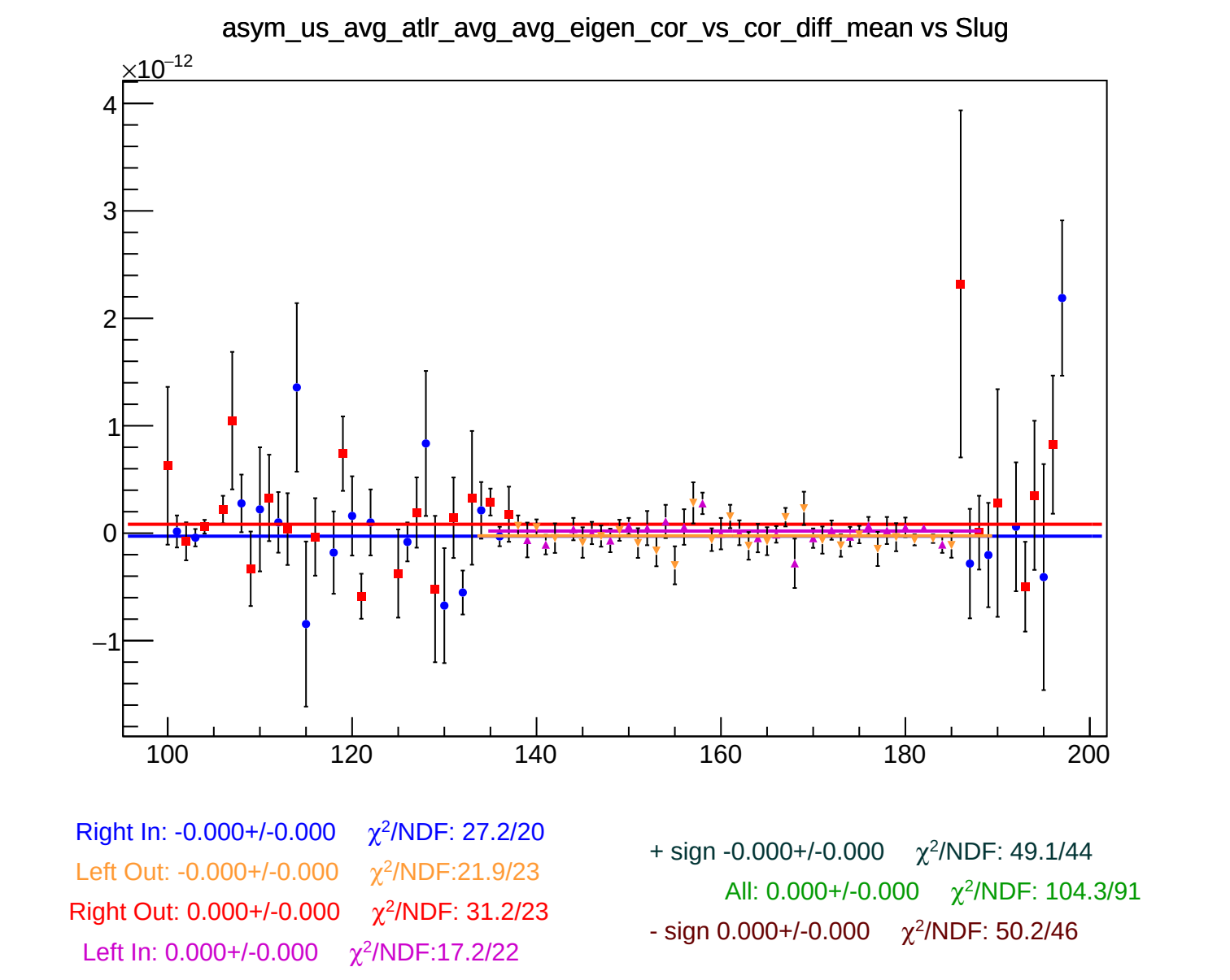
Right Out: 205.326+/-0.048 χ^2/NDF: 2538893.9/23

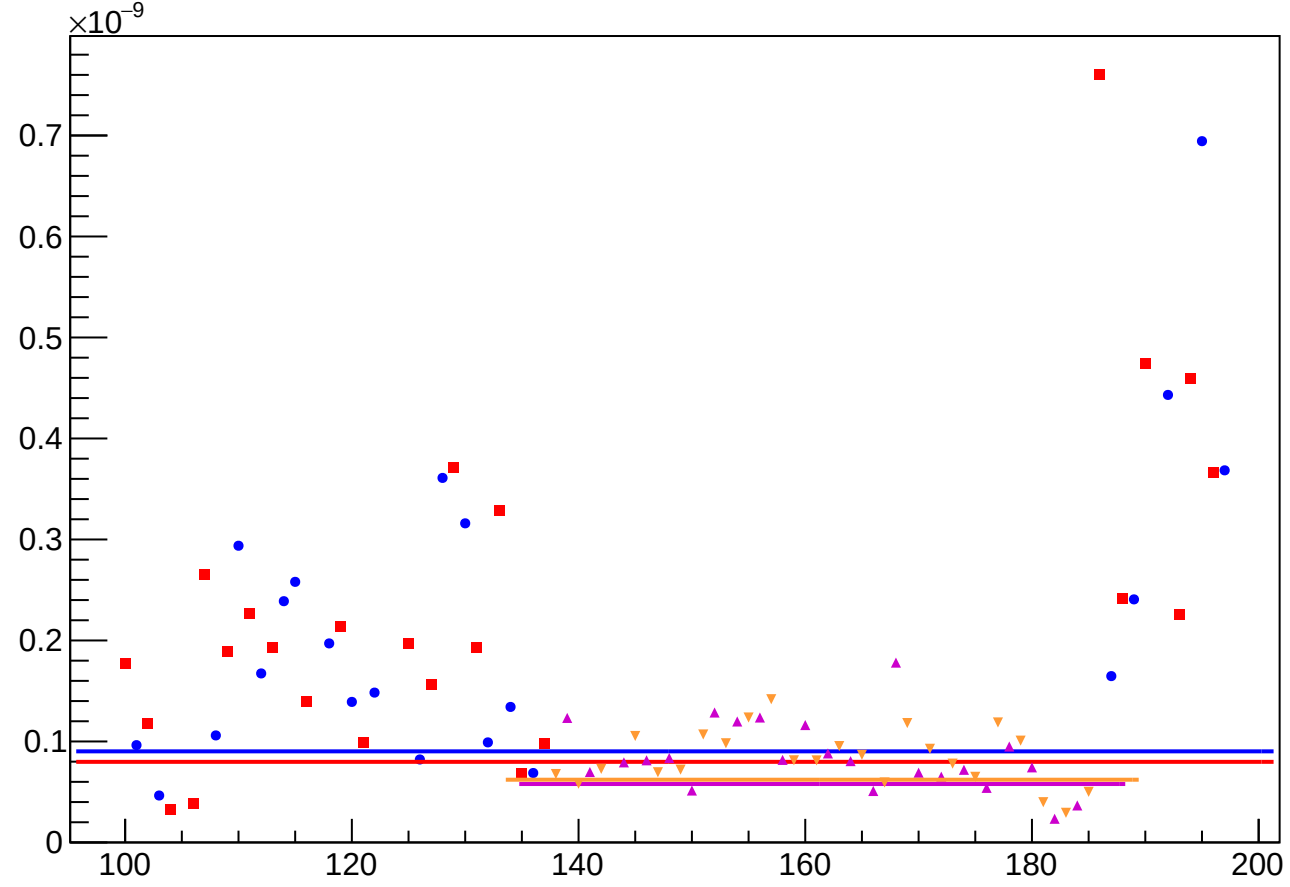
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 294.419+/-0.042 χ^2/NDF: 6658525.6/44

All: 276.400+/-0.028 χ^2/NDF: 15635708.3/91

- sign 261.763+/-0.038 χ^2/NDF: 8645853.7/46


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.2/20
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.2/23
Left In: 0.000+/-0.000 χ²/NDF:17.2/22
+ sign -0.000+/-0.000 χ²/NDF: 49.1/44
All: 0.000+/-0.000 χ²/NDF: 104.3/91
- sign 0.000+/-0.000 χ²/NDF: 50.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 4158135.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6134366.8/23

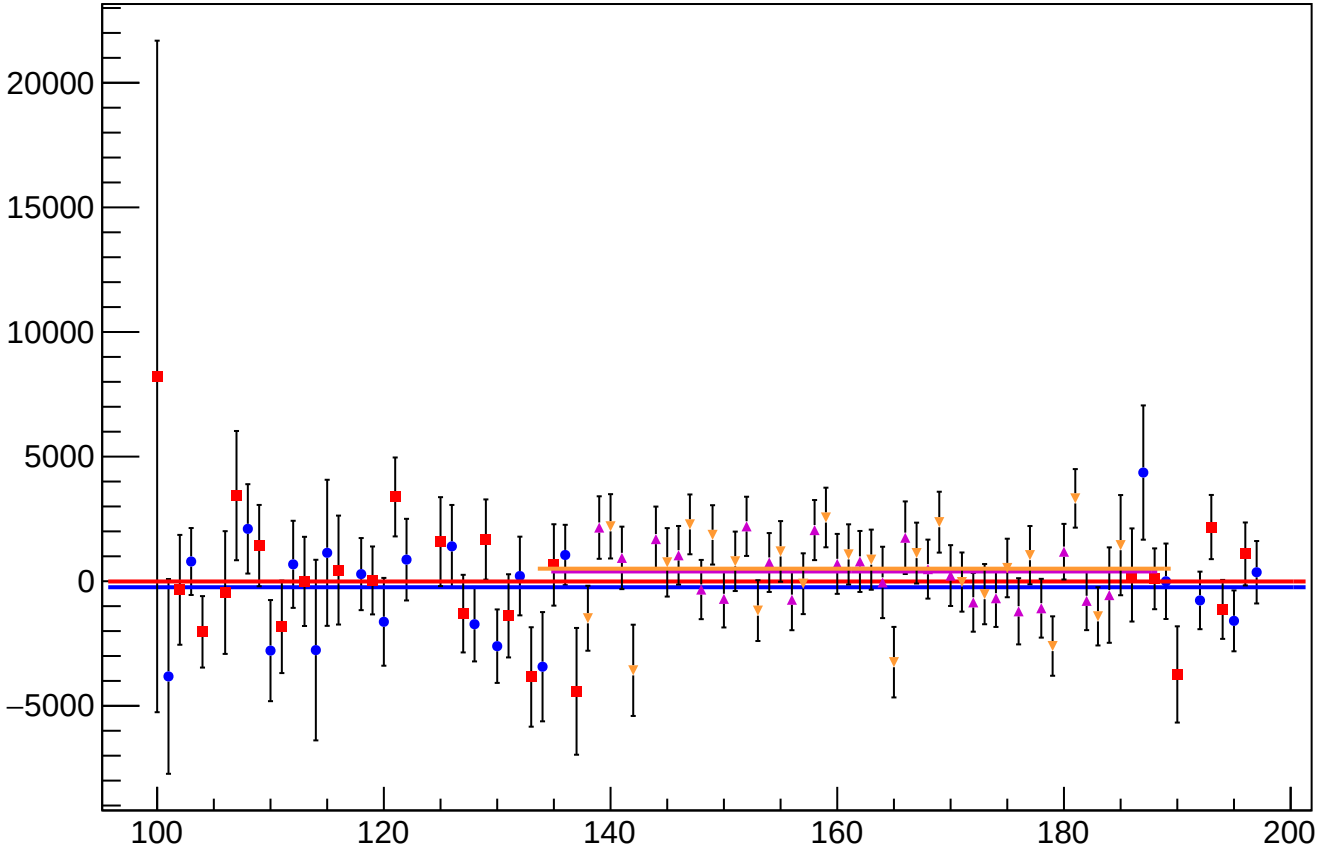
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8883653.4/44

All: 0.000+/-0.000 χ^2/NDF: 21048029.0/91

- sign 0.000+/-0.000 χ^2/NDF: 12080152.2/46

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -241.217+/-352.204 χ^2/NDF: 19.4/20

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -9.887+/-341.782 χ^2/NDF: 29.0/23

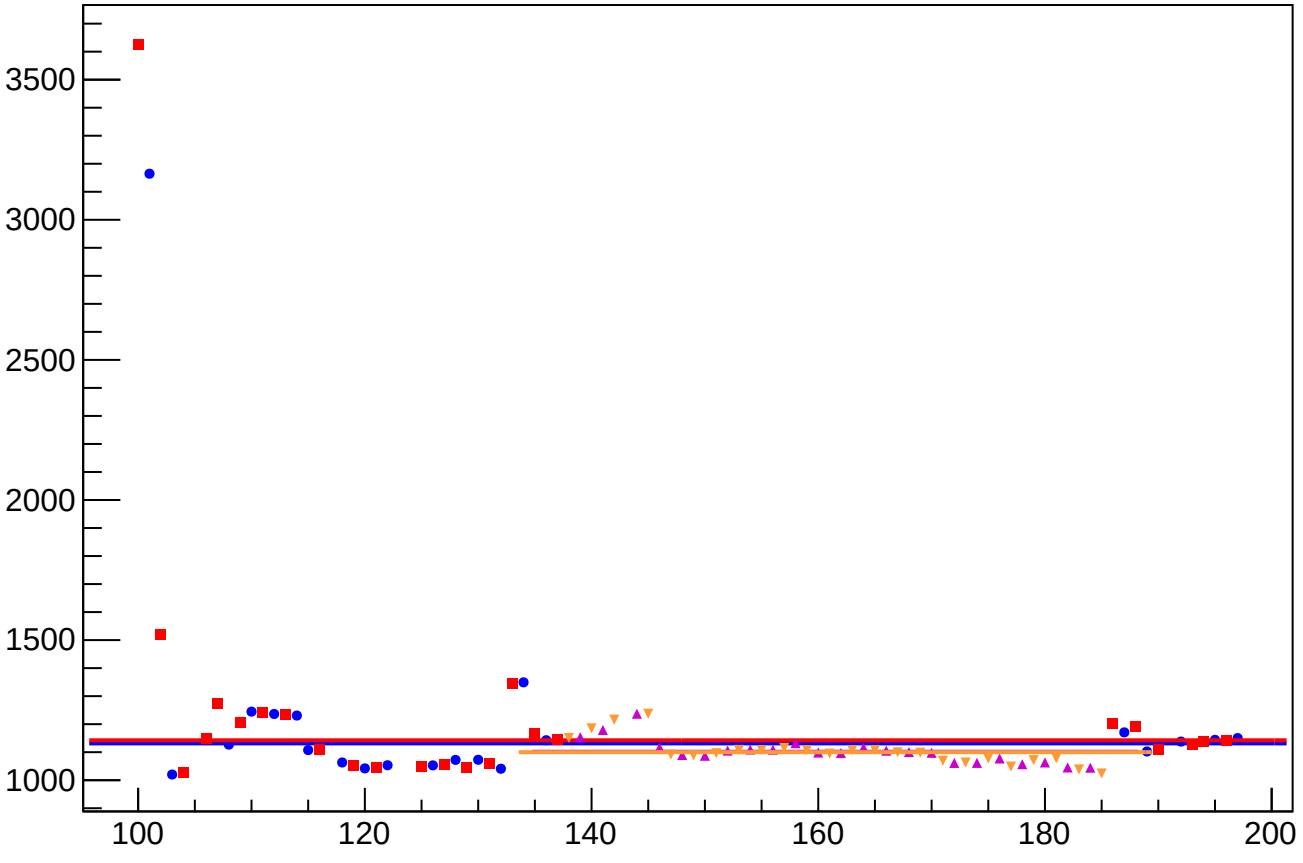
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 246.751+/-206.829 χ^2/NDF: 66.9/44

All: 246.560+/-145.816 χ^2/NDF: 114.5/91

- sign 246.372+/-205.605 χ^2/NDF: 47.7/46

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1131.365+/-0.249 χ^2/NDF: 623403.9/20

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

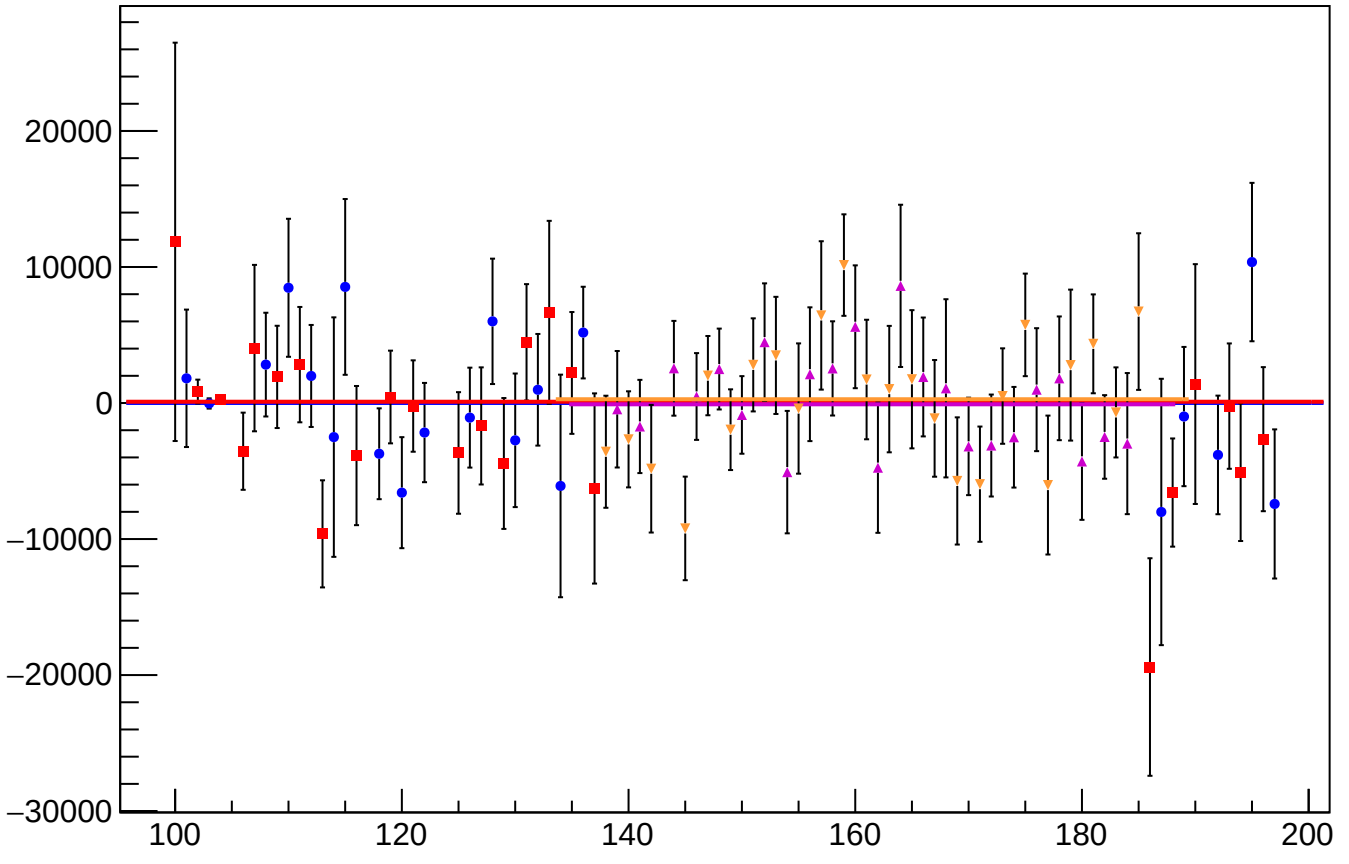
Right Out: 1142.433+/-0.241 χ^2/NDF: 226666.6/23

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1110.858+/-0.146 χ^2/NDF: 692487.3/44

All: 1113.623+/-0.103 χ^2/NDF: 990315.5/91

- sign 1116.354+/-0.145 χ^2/NDF: 297117.7/46



Right In: 4.504+/-353.959 χ^2/NDF: 21.3/20

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

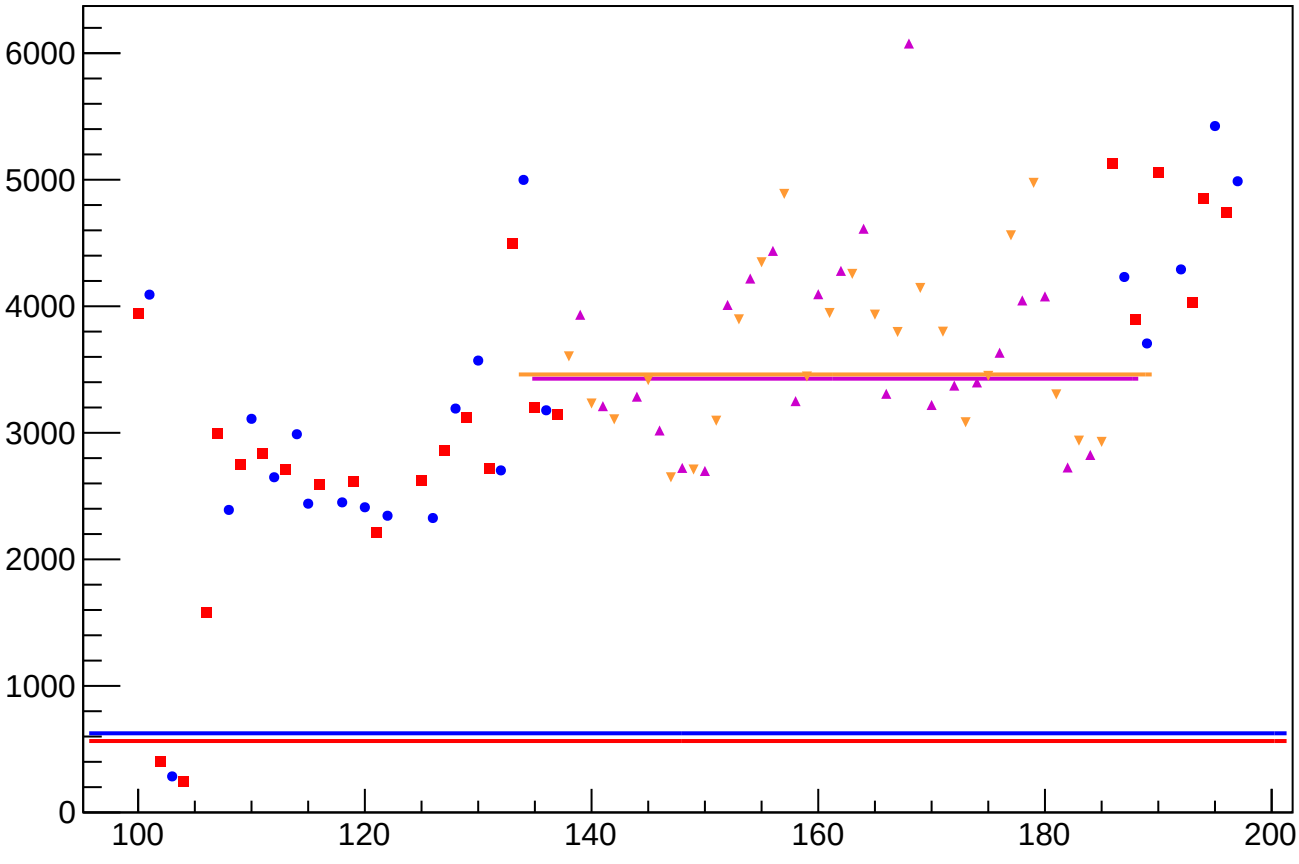
Right Out: 94.970+/-319.022 χ^2/NDF: 25.8/23

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 47.339+/-325.006 χ^2/NDF: 51.3/44

All: 59.617+/-219.317 χ^2/NDF: 90.9/91

- sign 69.883+/-297.181 χ^2/NDF: 39.6/46



Right In: 625.523+/-0.250 χ^2/NDF: 14820257.4/20

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 564.434+/-0.226 χ^2/NDF: 15705968.2/23

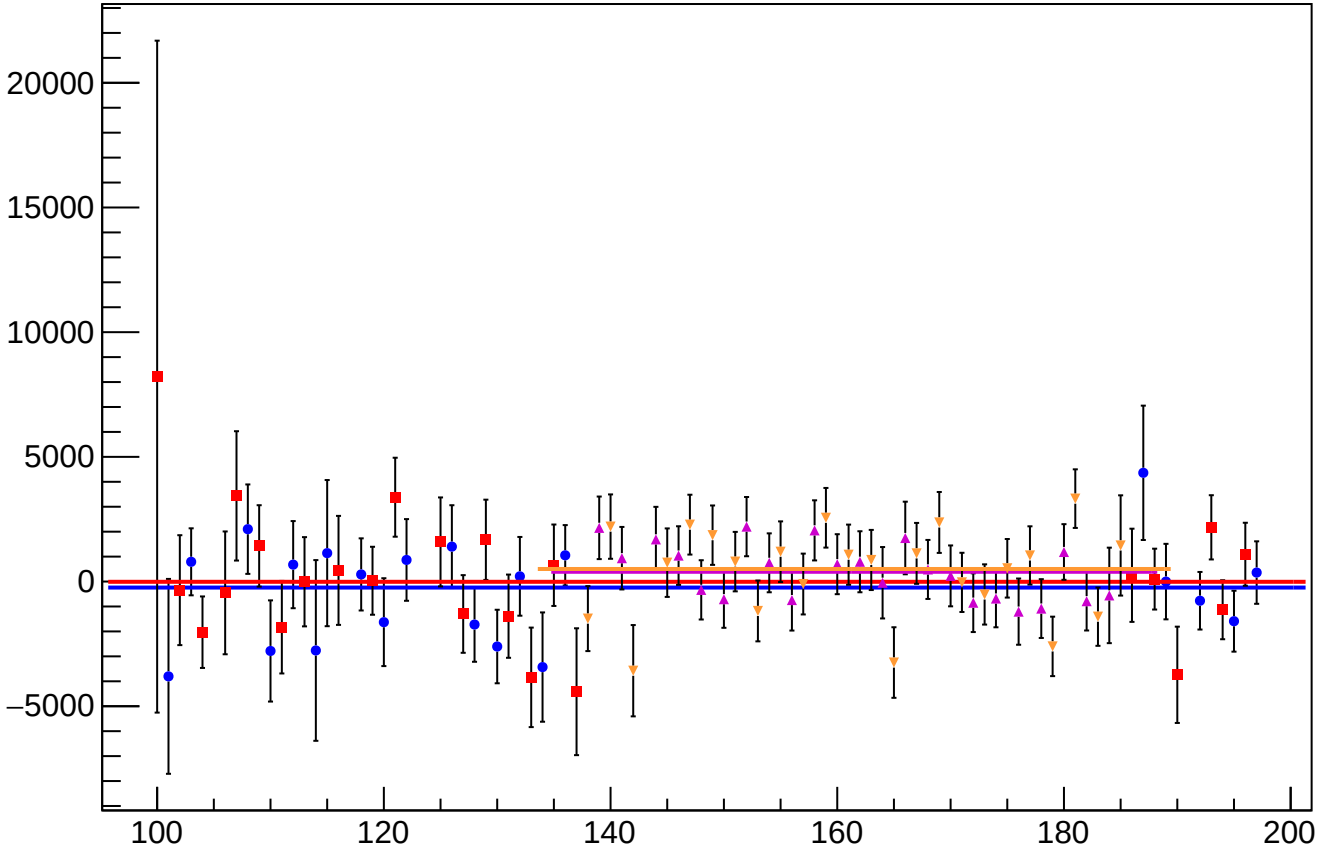
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1070.453+/-0.230 χ^2/NDF: 36019976.3/44

All: 1001.088+/-0.155 χ^2/NDF: 74443284.3/9

- sign 943.091+/-0.210 χ^2/NDF: 38256035.5/46

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -241.116+/-352.204 χ^2/NDF: 19.4/20

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -9.975+/-341.782 χ^2/NDF: 29.0/23

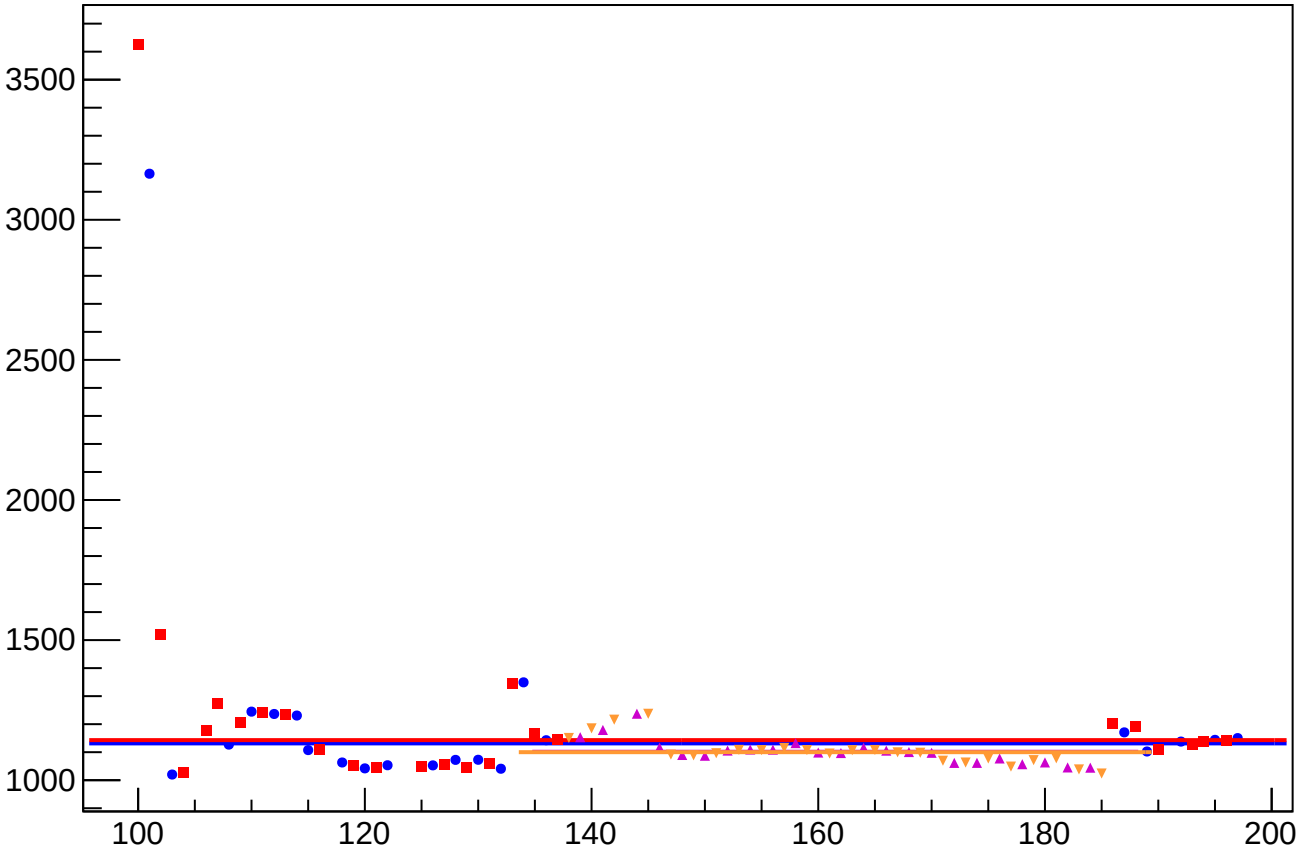
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 246.834+/-206.829 χ^2/NDF: 66.9/44

All: 246.581+/-145.816 χ^2/NDF: 114.5/91

- sign 246.332+/-205.605 χ^2/NDF: 47.7/46

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1131.365+/-0.249 χ^2/NDF: 623405.0/20

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

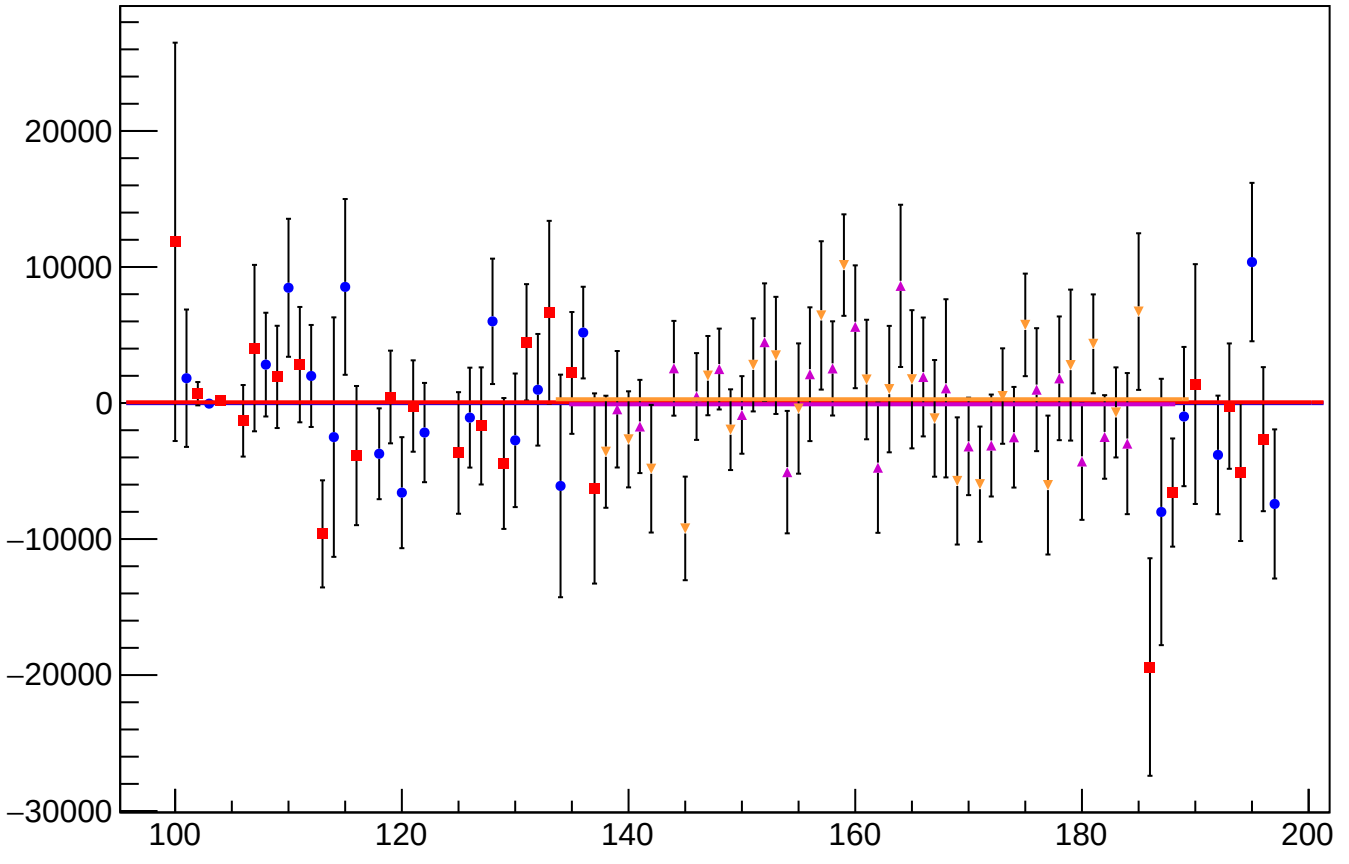
Right Out: 1143.045+/-0.242 χ^2/NDF: 227096.0/23

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1110.858+/-0.146 χ^2/NDF: 692488.3/44

All: 1113.726+/-0.103 χ^2/NDF: 991333.1/91

\- sign 1116.560+/-0.145 χ^2/NDF: 298080.1/46



Right In: -9.446+/-341.221 χ^2/NDF: 21.3/20

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

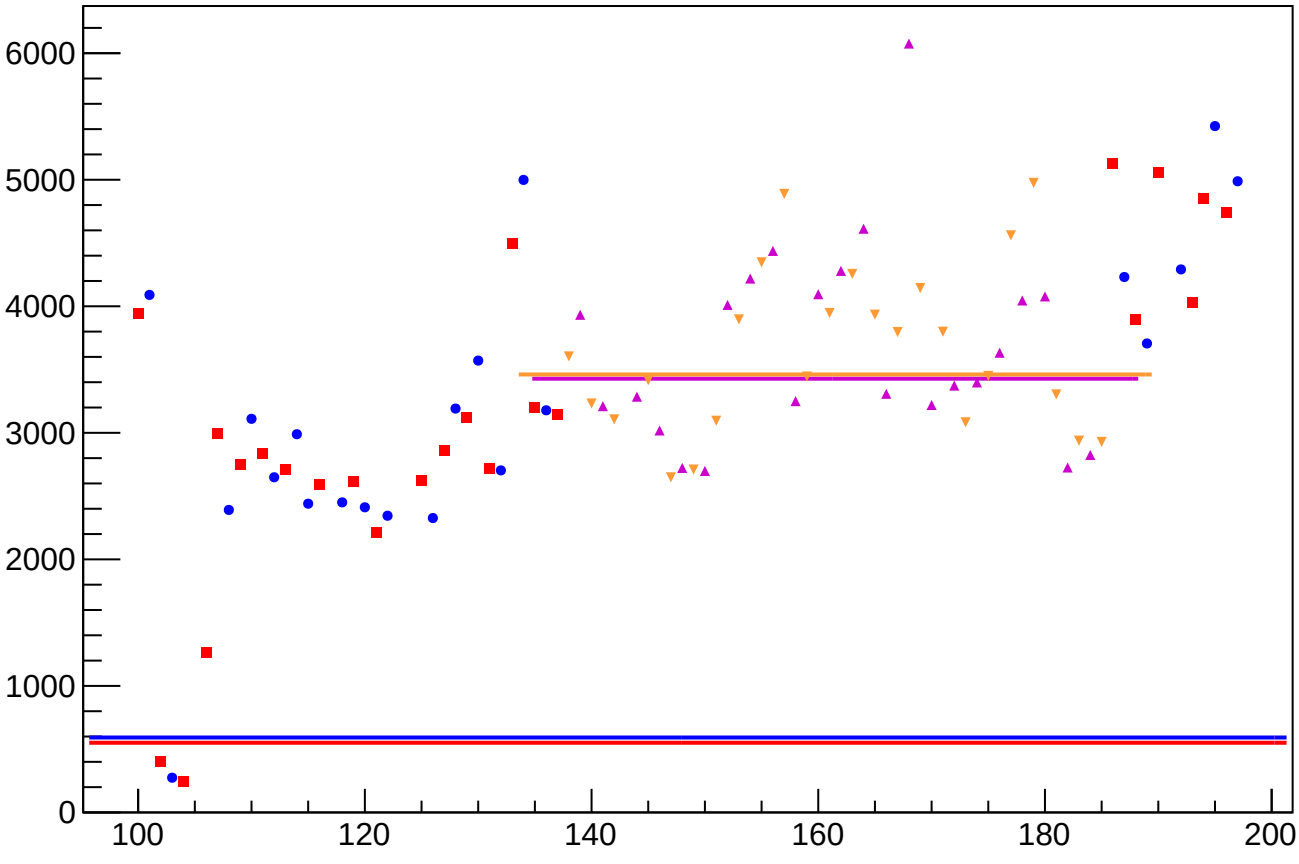
Right Out: 53.840+/-314.010 χ^2/NDF: 24.1/23

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign 32.869+/-315.062 χ^2/NDF: 51.3/44

All: 33.864+/-214.604 χ^2/NDF: 89.1/91

\- sign 34.726+/-293.116 χ^2/NDF: 37.8/46



Right In: 592.281+/-0.241 χ^2/NDF: 15050939.4/20

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 550.820+/-0.222 χ^2/NDF: 15670384.4/23

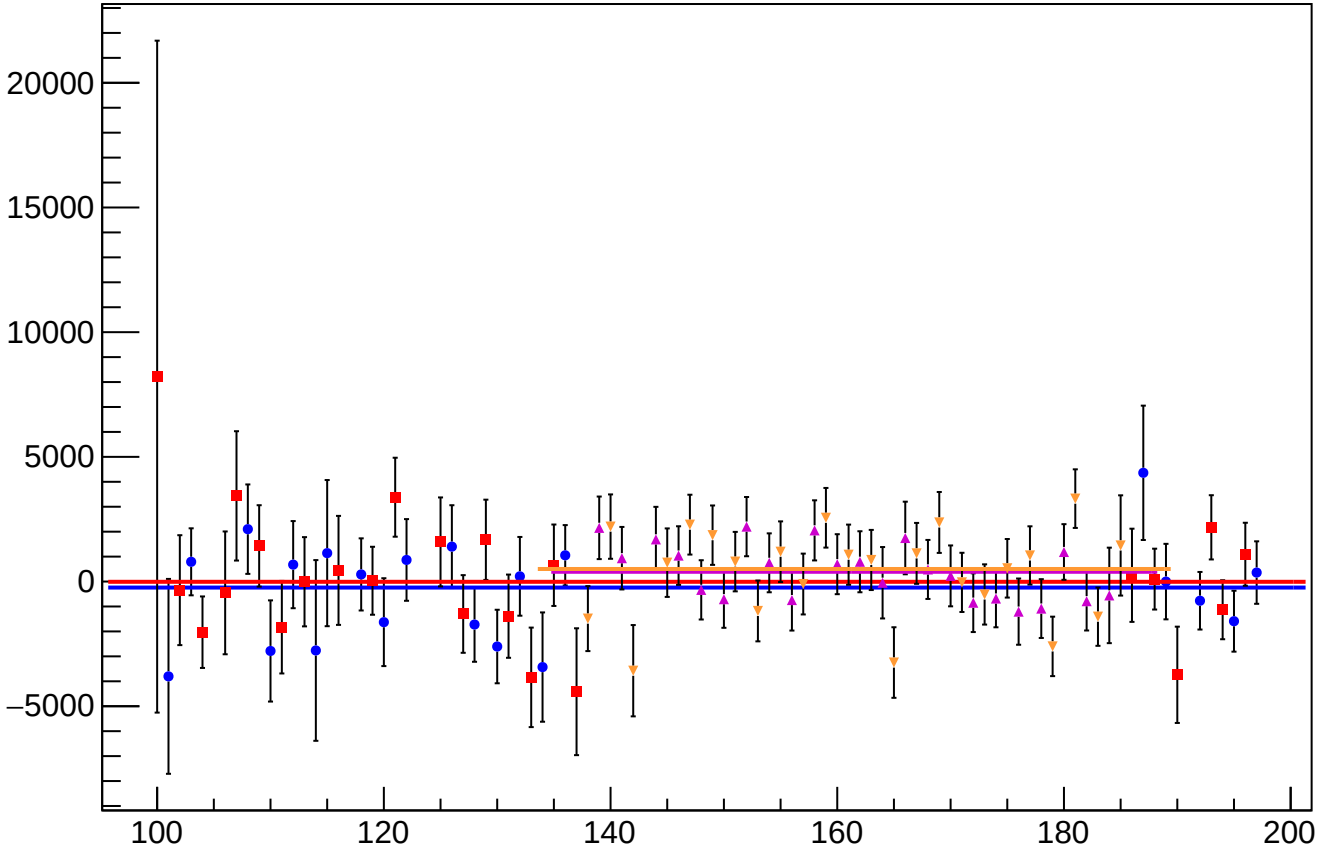
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1015.302+/-0.223 χ^2/NDF: 36956831.8/44

All: 964.722+/-0.152 χ^2/NDF: 75565560.8/91

- sign 920.943+/-0.207 χ^2/NDF: 38512568.0/46

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -241.116+/-352.204 χ^2/NDF: 19.4/20

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -9.975+/-341.782 χ^2/NDF: 29.0/23

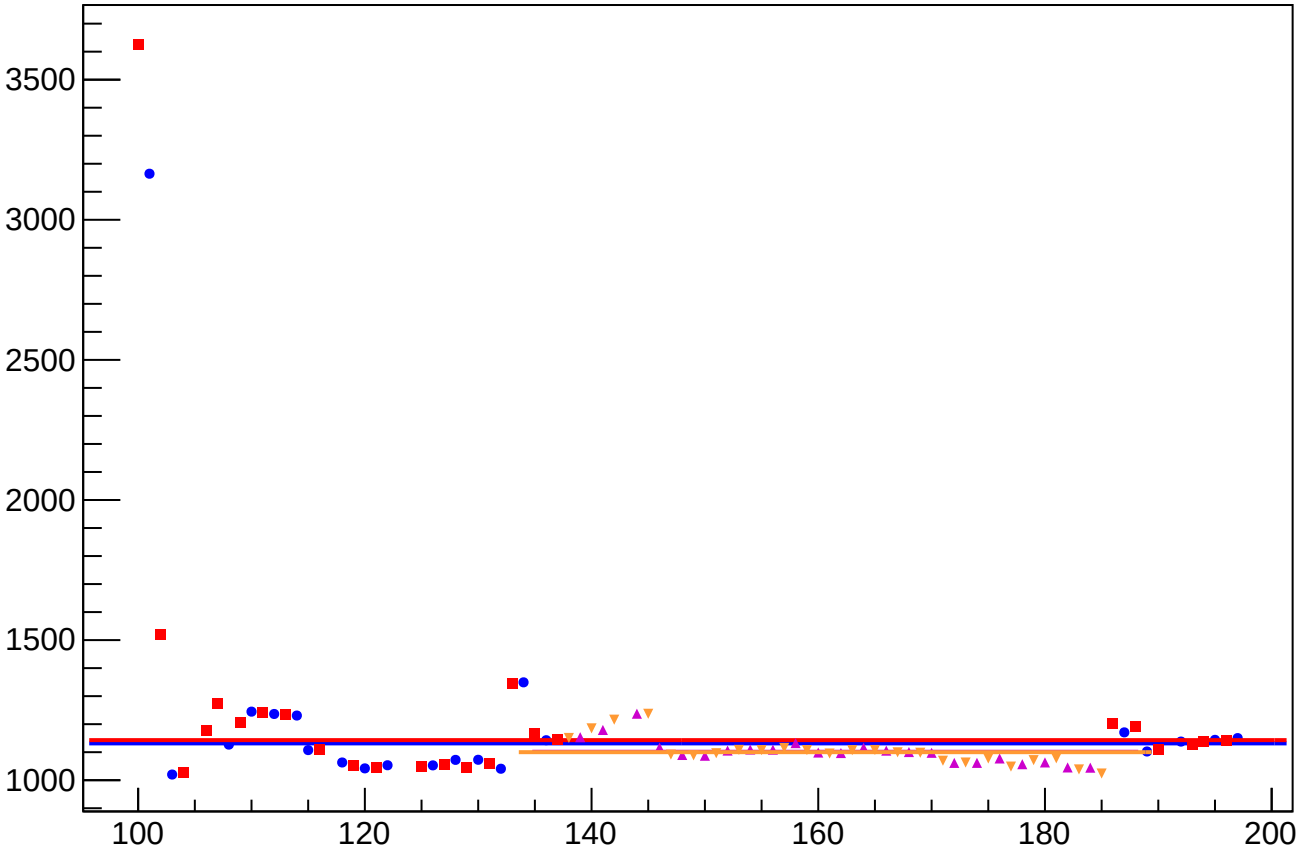
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 246.834+/-206.829 χ^2/NDF: 66.9/44

All: 246.581+/-145.816 χ^2/NDF: 114.5/91

- sign 246.332+/-205.605 χ^2/NDF: 47.7/46

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1131.365+/-0.249 χ^2/NDF: 623405.0/20

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

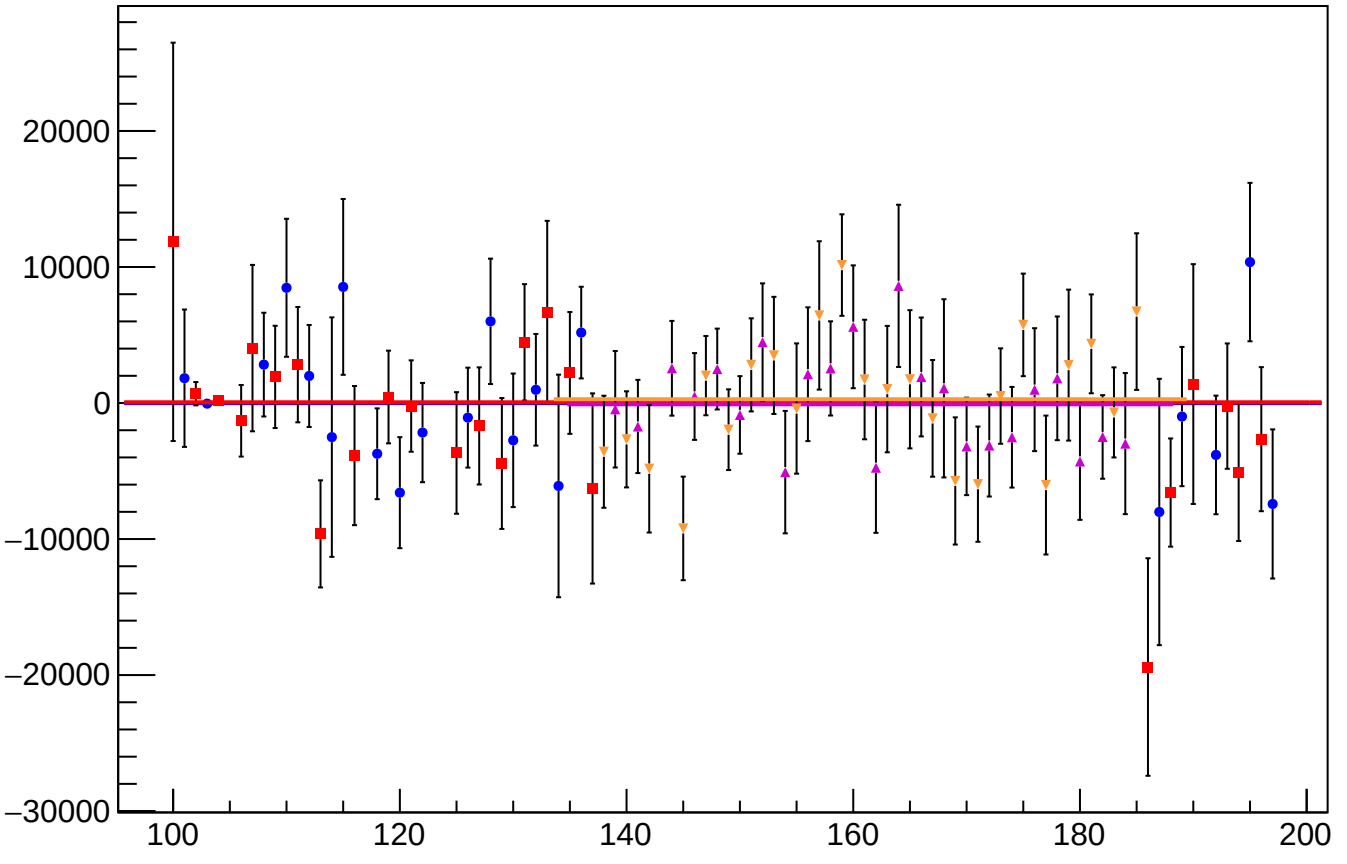
Right Out: 1143.045+/-0.242 χ^2/NDF: 227096.0/23

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1110.858+/-0.146 χ^2/NDF: 692488.3/44

All: 1113.726+/-0.103 χ^2/NDF: 991333.1/91

\- sign 1116.560+/-0.145 χ^2/NDF: 298080.1/46



Right In: -9.446+/-341.221 χ^2/NDF: 21.3/20

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

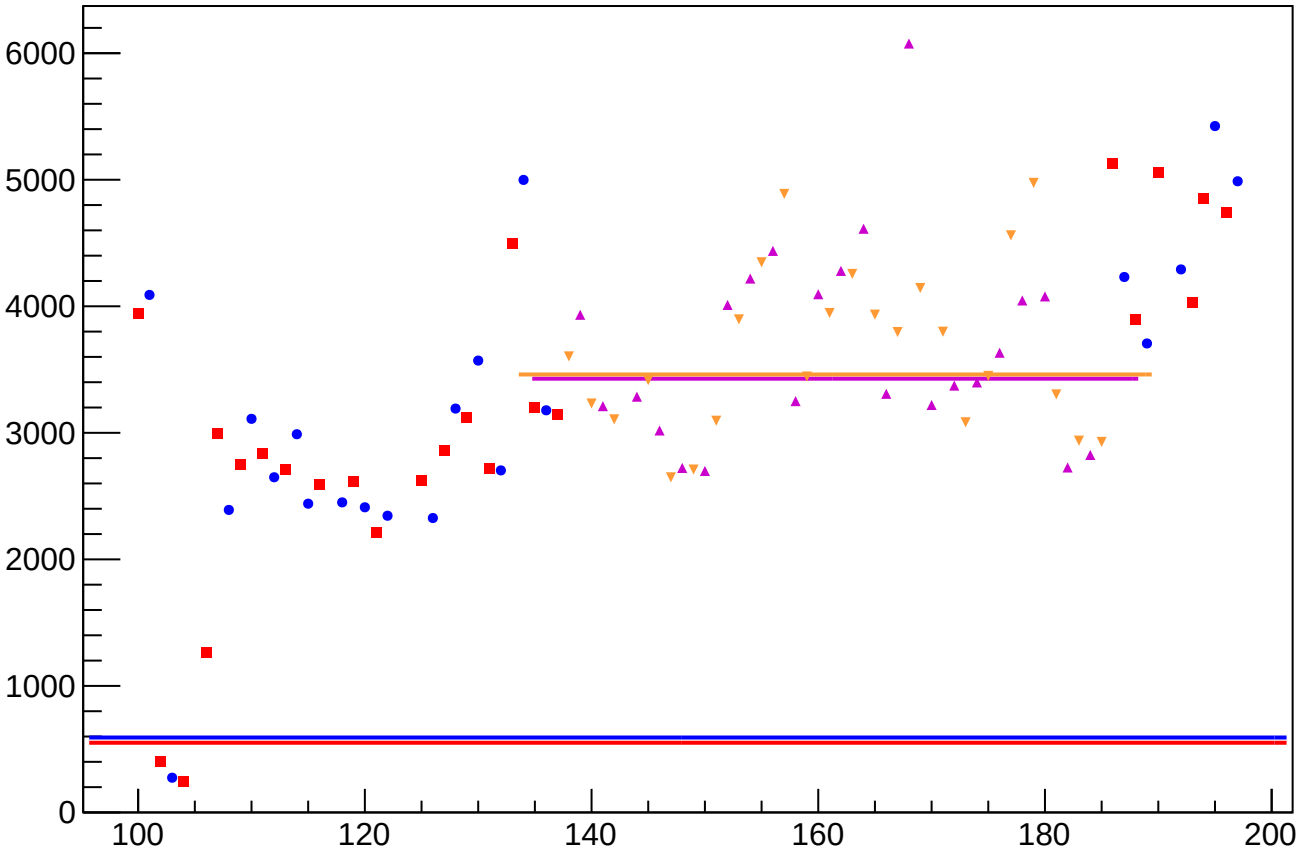
Right Out: 53.840+/-314.010 χ^2/NDF: 24.1/23

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 32.869+/-315.062 χ^2/NDF: 51.3/44

All: 33.864+/-214.604 χ^2/NDF: 89.1/91

- sign 34.726+/-293.116 χ^2/NDF: 37.8/46



Right In: 592.281+/-0.241 χ^2/NDF: 15050939.4/20

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 550.820+/-0.222 χ^2/NDF: 15670384.4/23

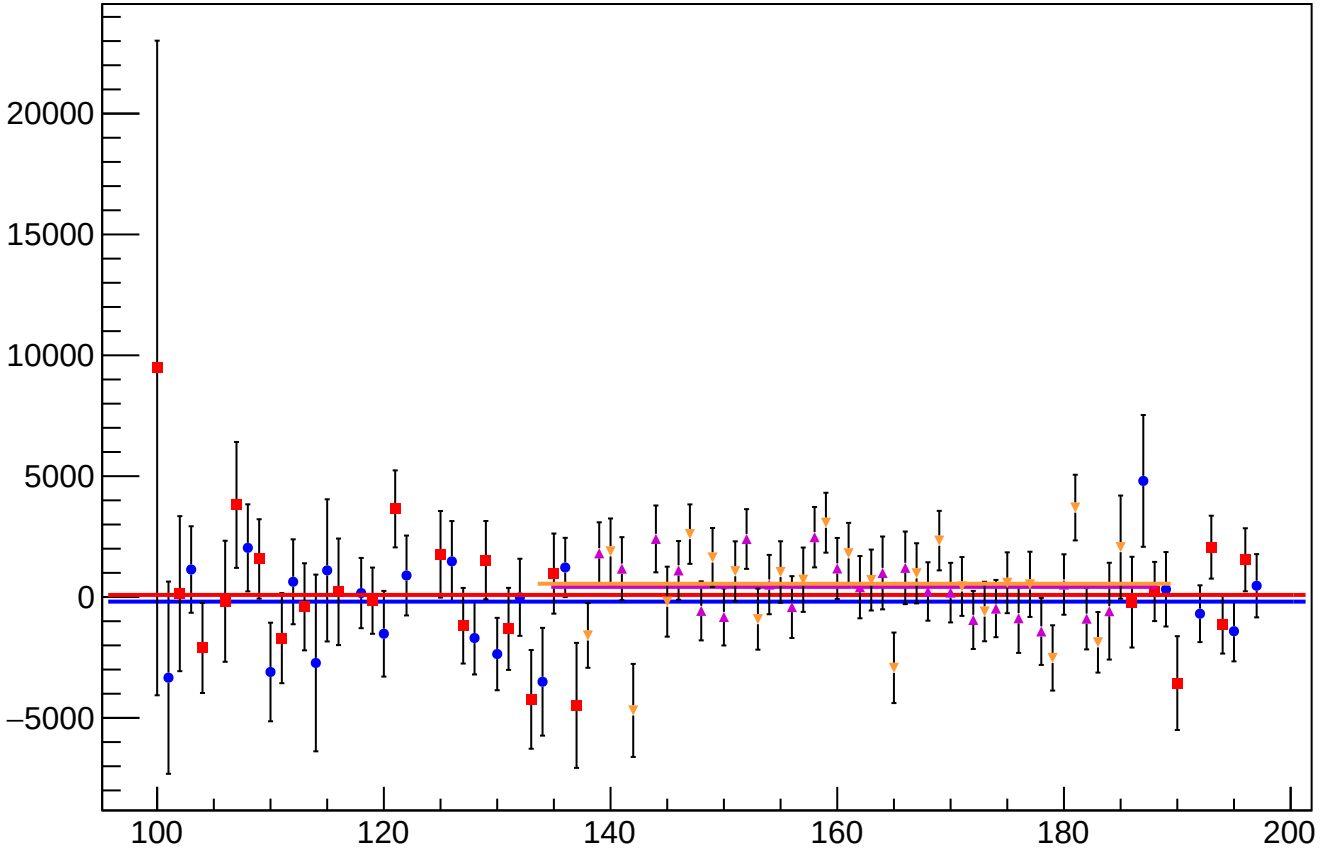
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1015.302+/-0.223 χ^2/NDF: 36956831.8/44

All: 964.722+/-0.152 χ^2/NDF: 75565560.8/91

- sign 920.943+/-0.207 χ^2/NDF: 38512568.0/46

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -189.683+/-362.456 χ^2/NDF: 19.2/20

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 87.251+/-351.610 χ^2/NDF: 29.8/23

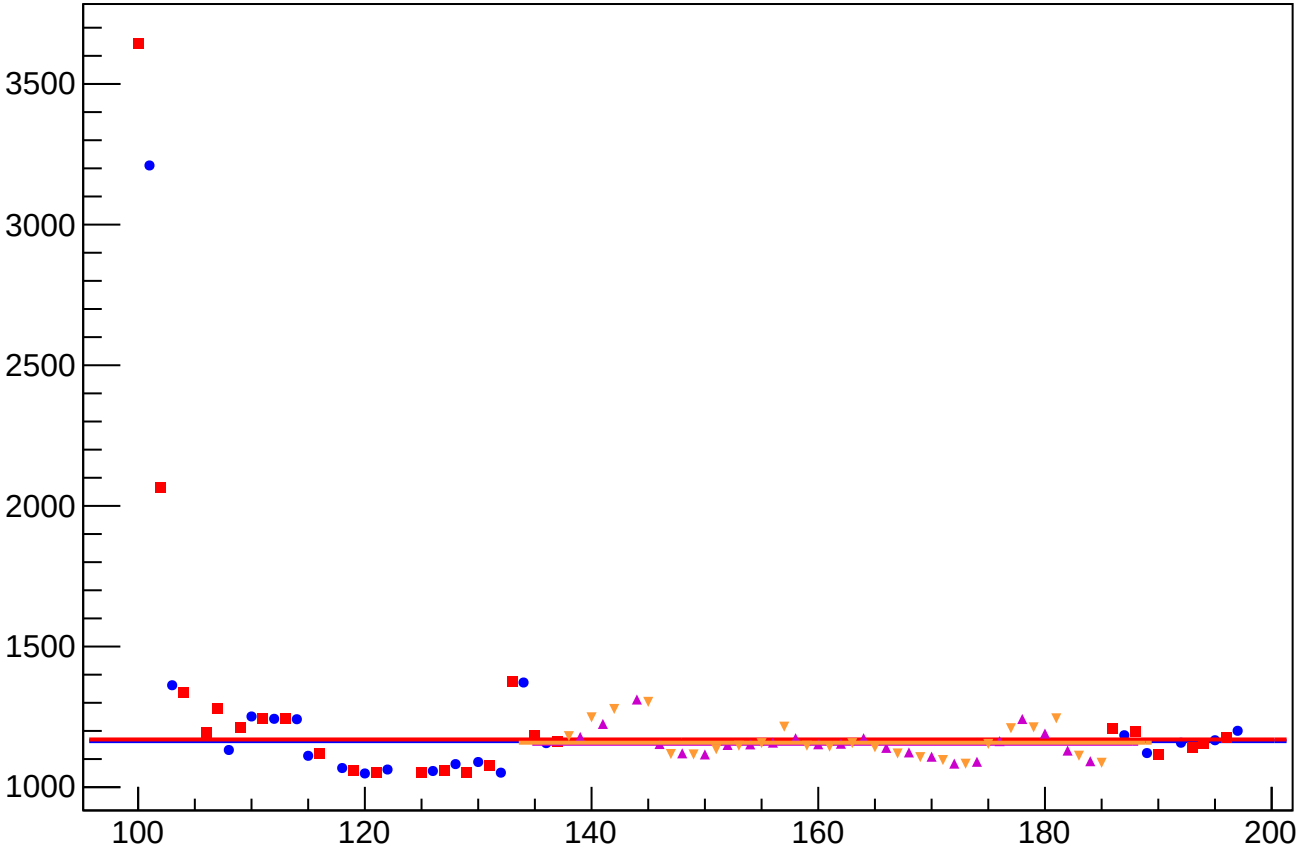
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 287.453+/-216.117 χ^2/NDF: 67.1/44

All: 292.434+/-152.083 χ^2/NDF: 115.5/91

- sign 297.321+/-214.054 χ^2/NDF: 48.4/46

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1163.711+/-0.256 χ^2/NDF: 638633.5/20

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

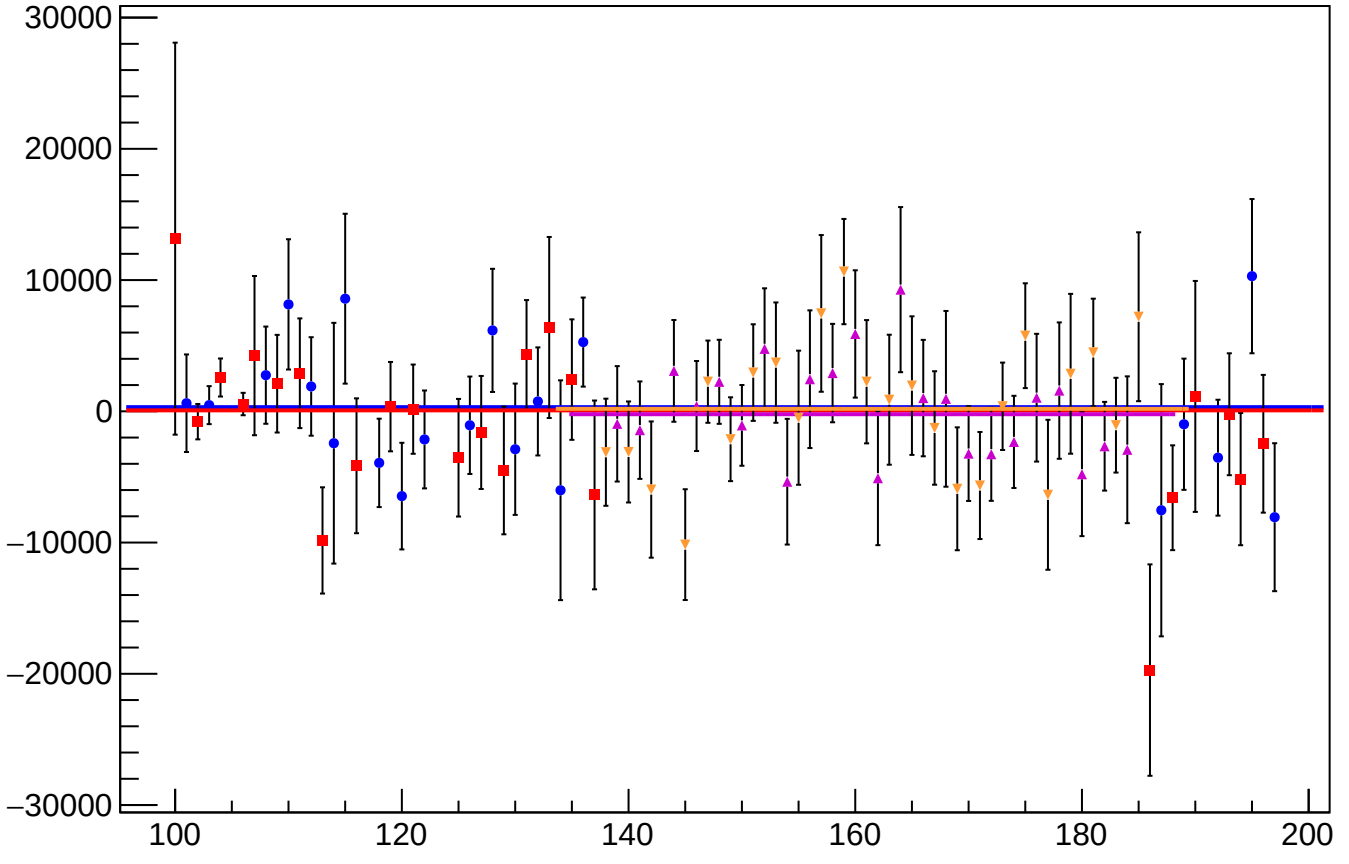
Right Out: 1169.687+/-0.249 χ^2/NDF: 336478.4/23

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1160.144+/-0.153 χ^2/NDF: 723045.8/44

All: 1160.052+/-0.108 χ^2/NDF: 1128435.3/91

- sign 1159.961+/-0.151 χ^2/NDF: 405388.7/46



Right In: 316.178+/-824.425 χ^2/NDF: 21.1/20

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: 73.281+/-547.497 χ^2/NDF: 27.2/23

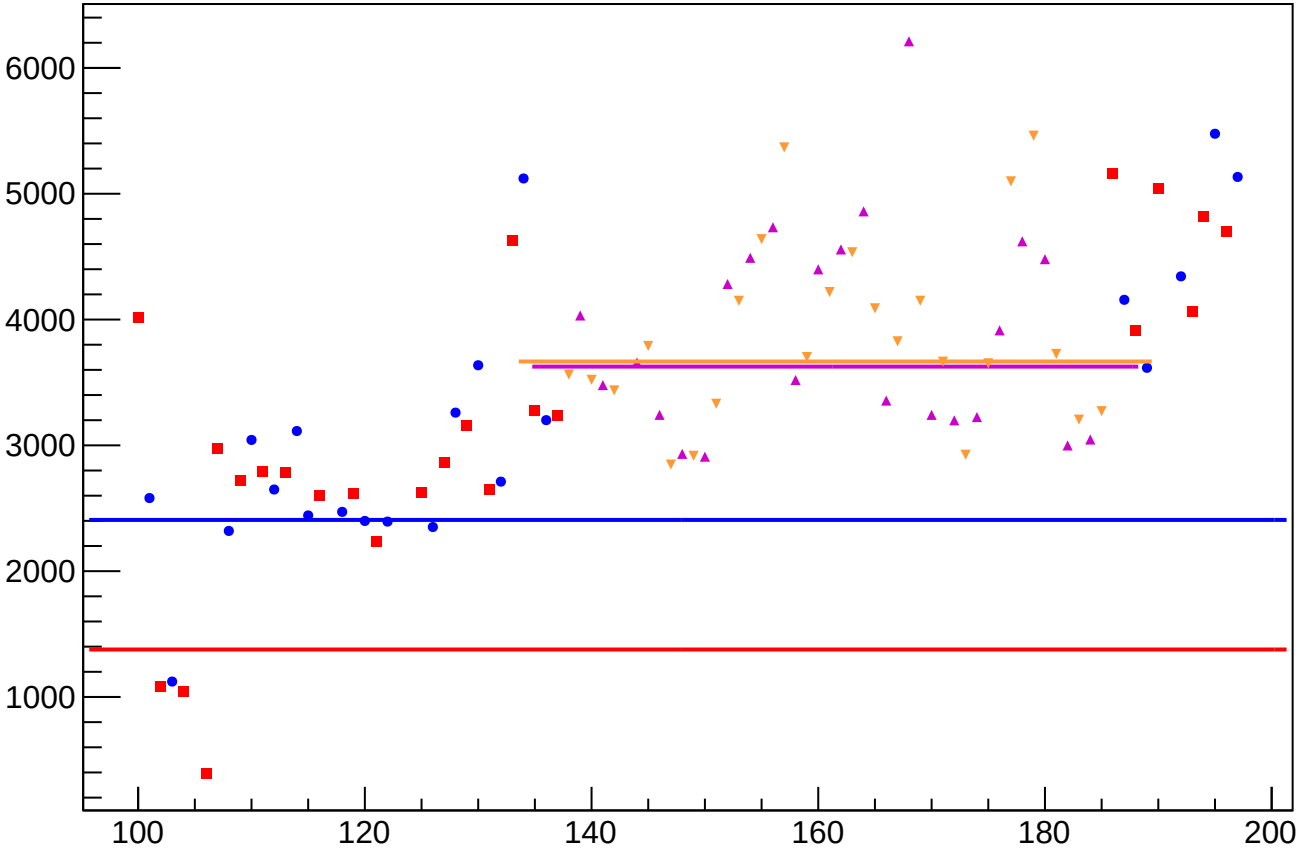
Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 256.314+/-598.235 χ^2/NDF: 50.3/44

All: 89.007+/-365.943 χ^2/NDF: 91.1/91

- sign -11.027+/-462.583 χ^2/NDF: 40.6/46

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug



Right In: 2407.407+/-0.583 χ^2/NDF: 3734033.5/20

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1377.280+/-0.387 χ^2/NDF: 10084307.3/23

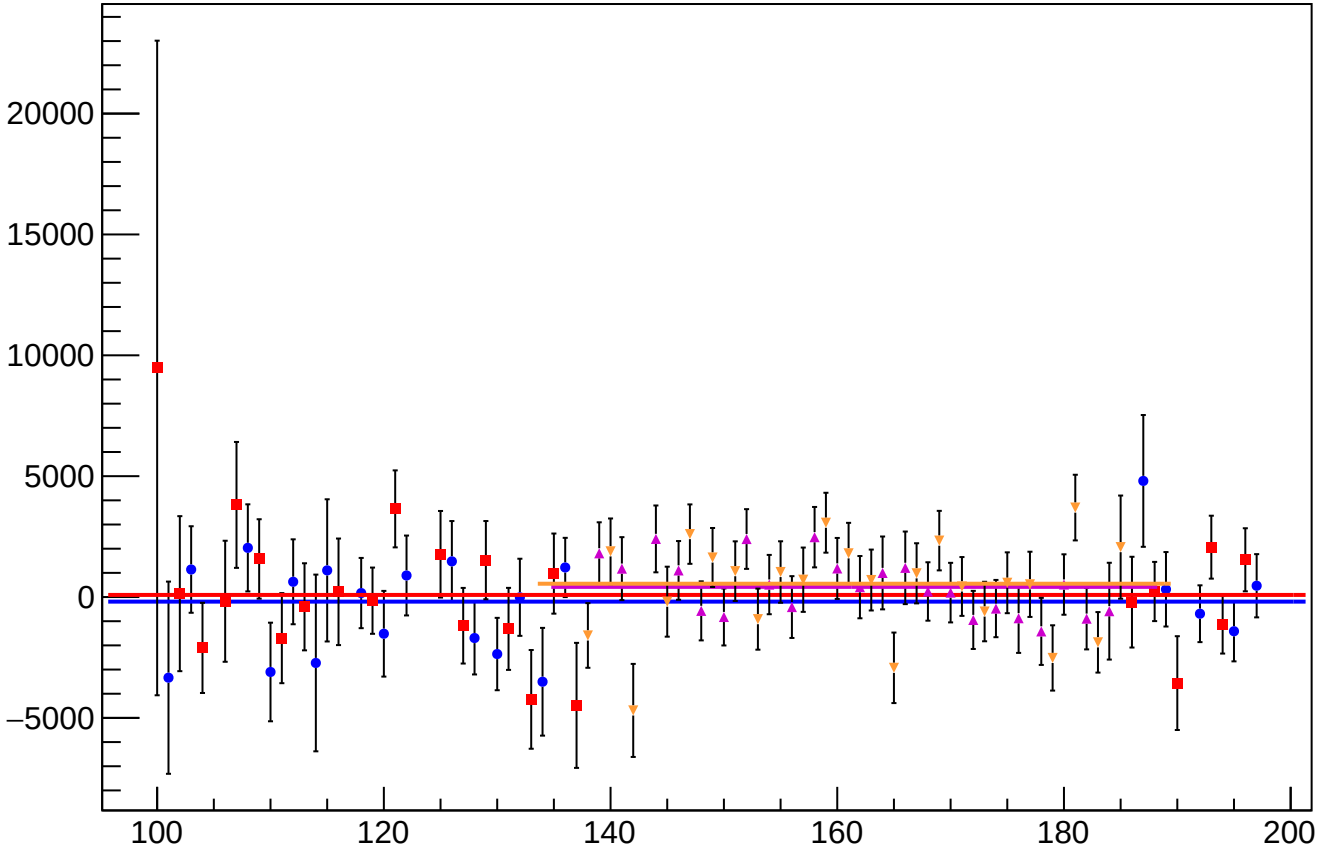
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3003.539+/-0.423 χ^2/NDF: 7038582.2/44

All: 2388.463+/-0.259 χ^2/NDF: 31412635.5/9

- sign 2020.703+/-0.327 χ^2/NDF: 20995771.7/46

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -189.684+/-362.456 χ^2/NDF: 19.2/20

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 87.253+/-351.610 χ^2/NDF: 29.8/23

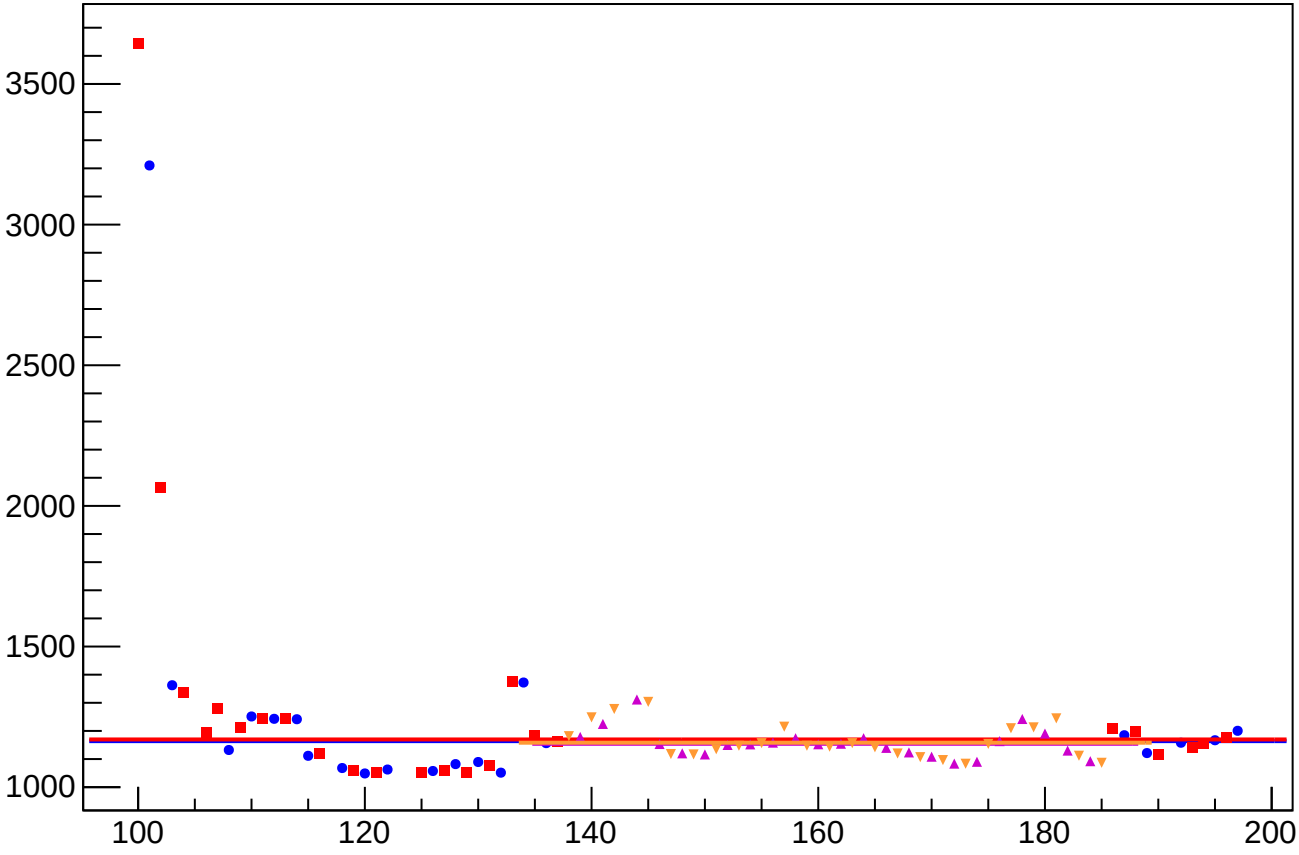
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 287.453+/-216.117 χ^2/NDF: 67.1/44

All: 292.435+/-152.083 χ^2/NDF: 115.5/91

- sign 297.321+/-214.054 χ^2/NDF: 48.4/46

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1163.711+/-0.256 χ^2/NDF: 638633.8/20

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

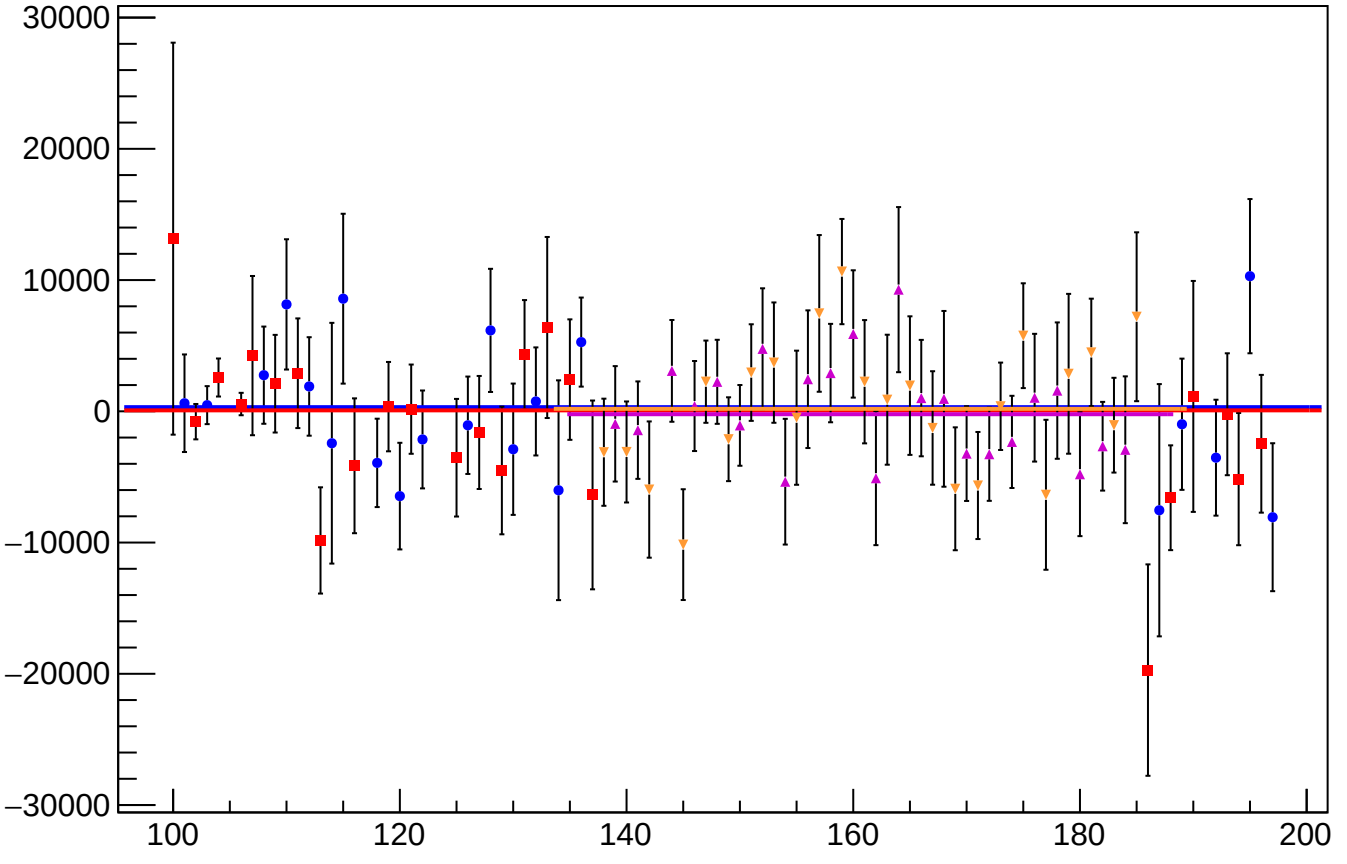
Right Out: 1169.687+/-0.249 χ^2/NDF: 336478.1/23

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1160.145+/-0.153 χ^2/NDF: 723048.5/44

All: 1160.053+/-0.108 χ^2/NDF: 1128439.7/91

- sign 1159.962+/-0.151 χ^2/NDF: 405390.5/46



Right In: 316.173+/-824.424 χ^2/NDF: 21.1/20

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

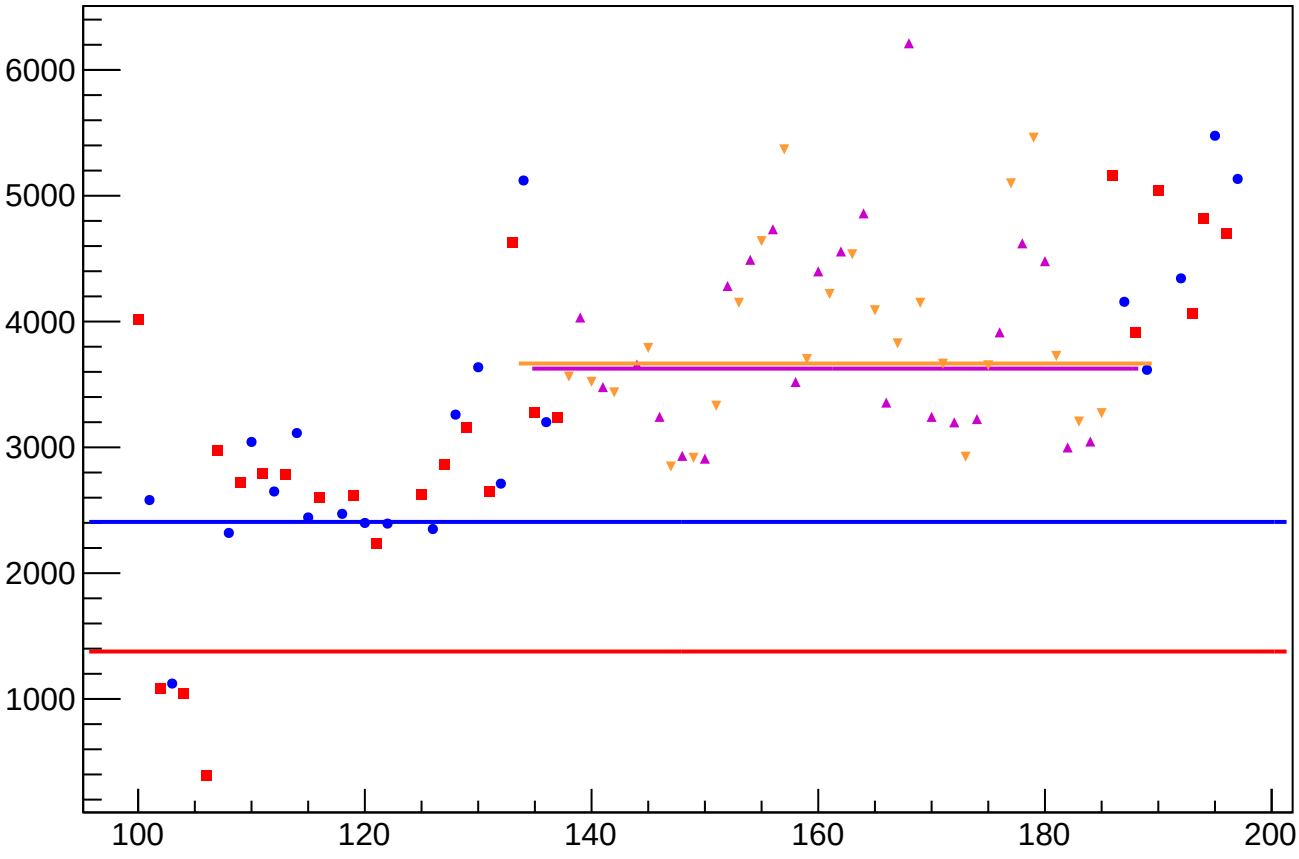
Right Out: 73.289+/-547.491 χ^2/NDF: 27.2/23

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 256.311+/-598.235 χ^2/NDF: 50.3/44

All: 89.010+/-365.941 χ^2/NDF: 91.1/91

- sign -11.020+/-462.579 χ^2/NDF: 40.6/46



Right In: 2407.403+/-0.583 χ^2/NDF: 3734040.6/20

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1377.254+/-0.387 χ^2/NDF: 10084503.6/23

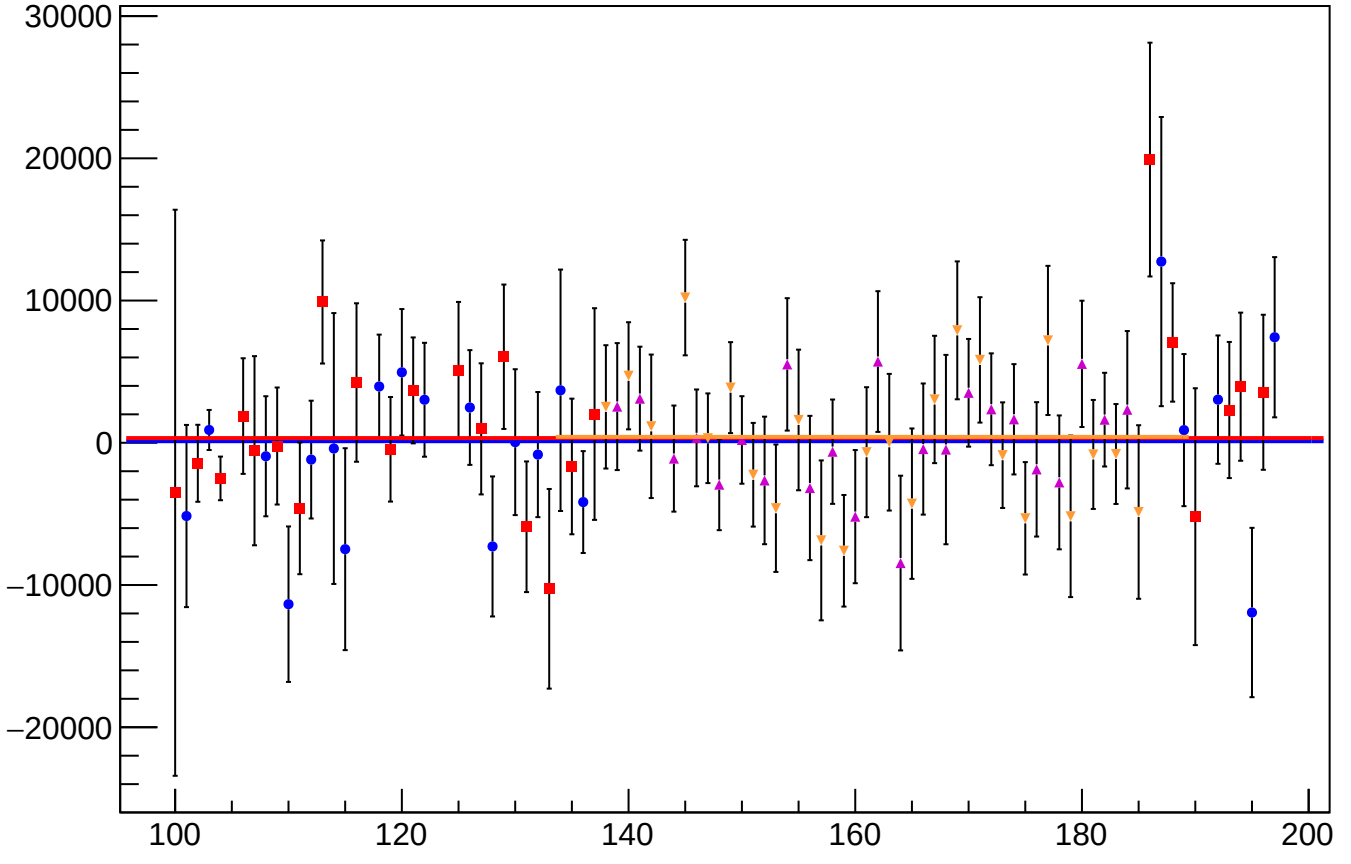
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3003.538+/-0.423 χ^2/NDF: 7038622.1/44

All: 2388.441+/-0.259 χ^2/NDF: 31413398.3/9

- sign 2020.674+/-0.327 χ^2/NDF: 20996283.1/46

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 110.779+/-866.101 χ^2/NDF: 21.5/20

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

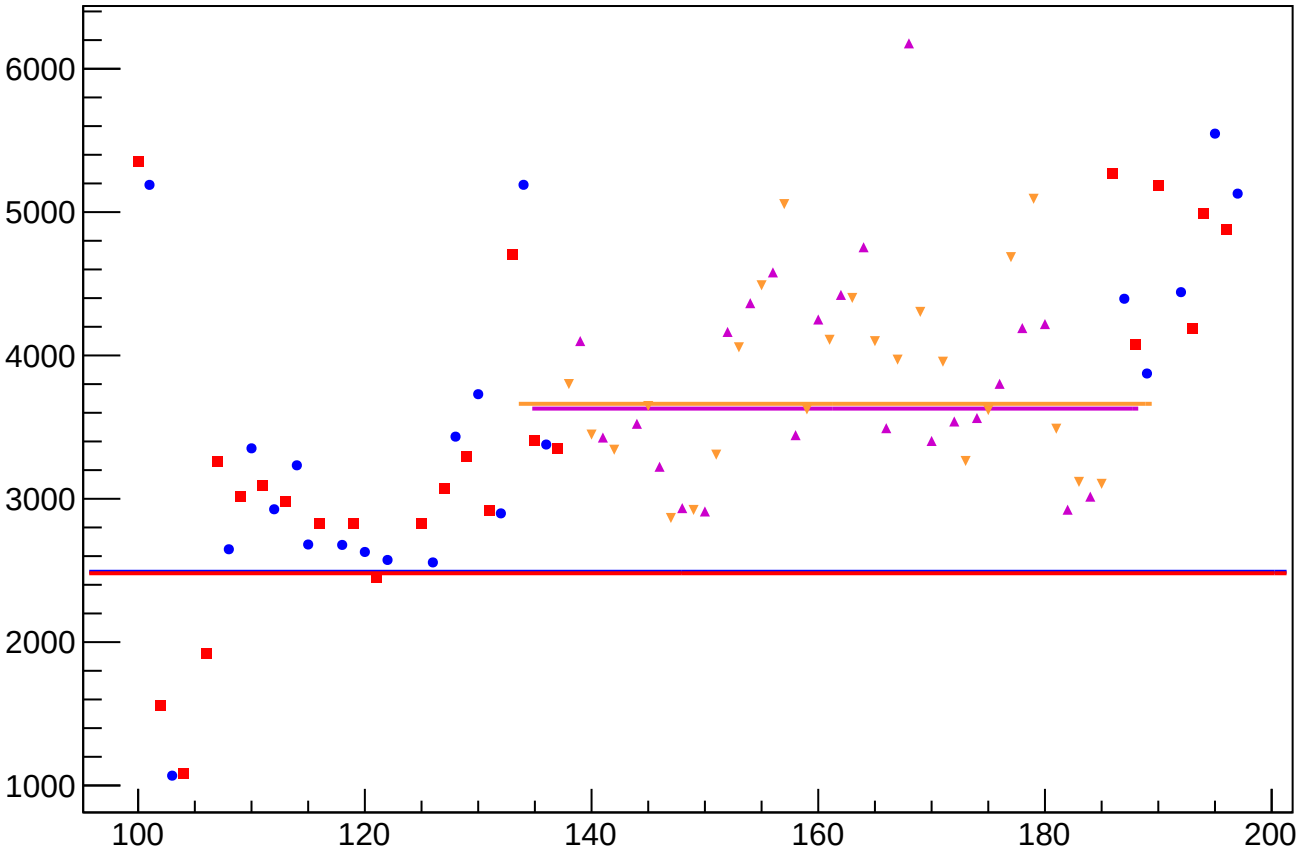
Right Out: 330.736+/-832.599 χ^2/NDF: 27.7/23

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 262.271+/-612.154 χ^2/NDF: 48.8/44

All: 315.189+/-428.134 χ^2/NDF: 88.8/91

- sign 365.858+/-599.007 χ^2/NDF: 40.0/46



Right In: 2490.841+/-0.612 χ^2/NDF: 4567787.6/20

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

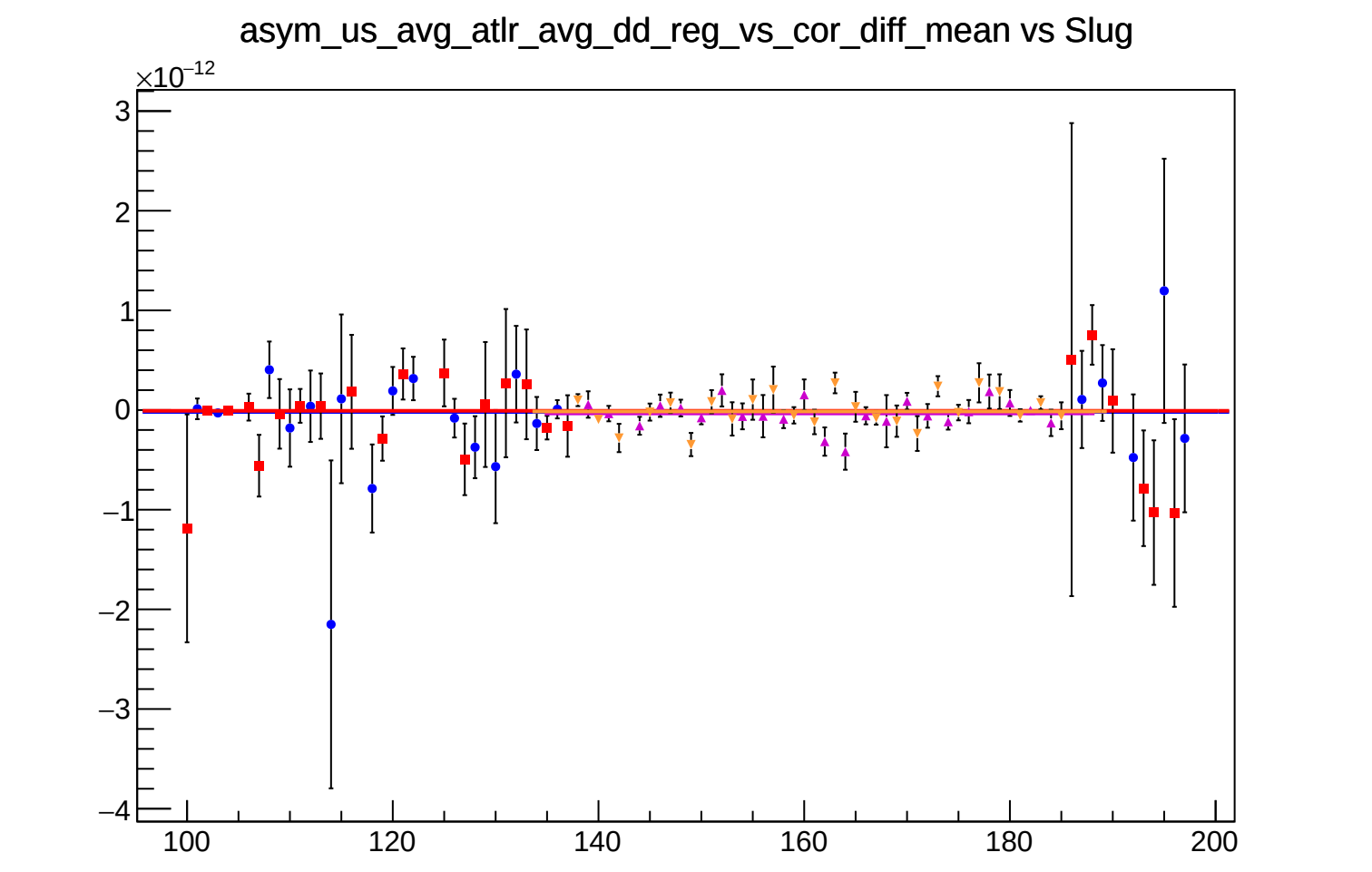
Right Out: 2480.510+/-0.588 χ^2/NDF: 4353746.0/23

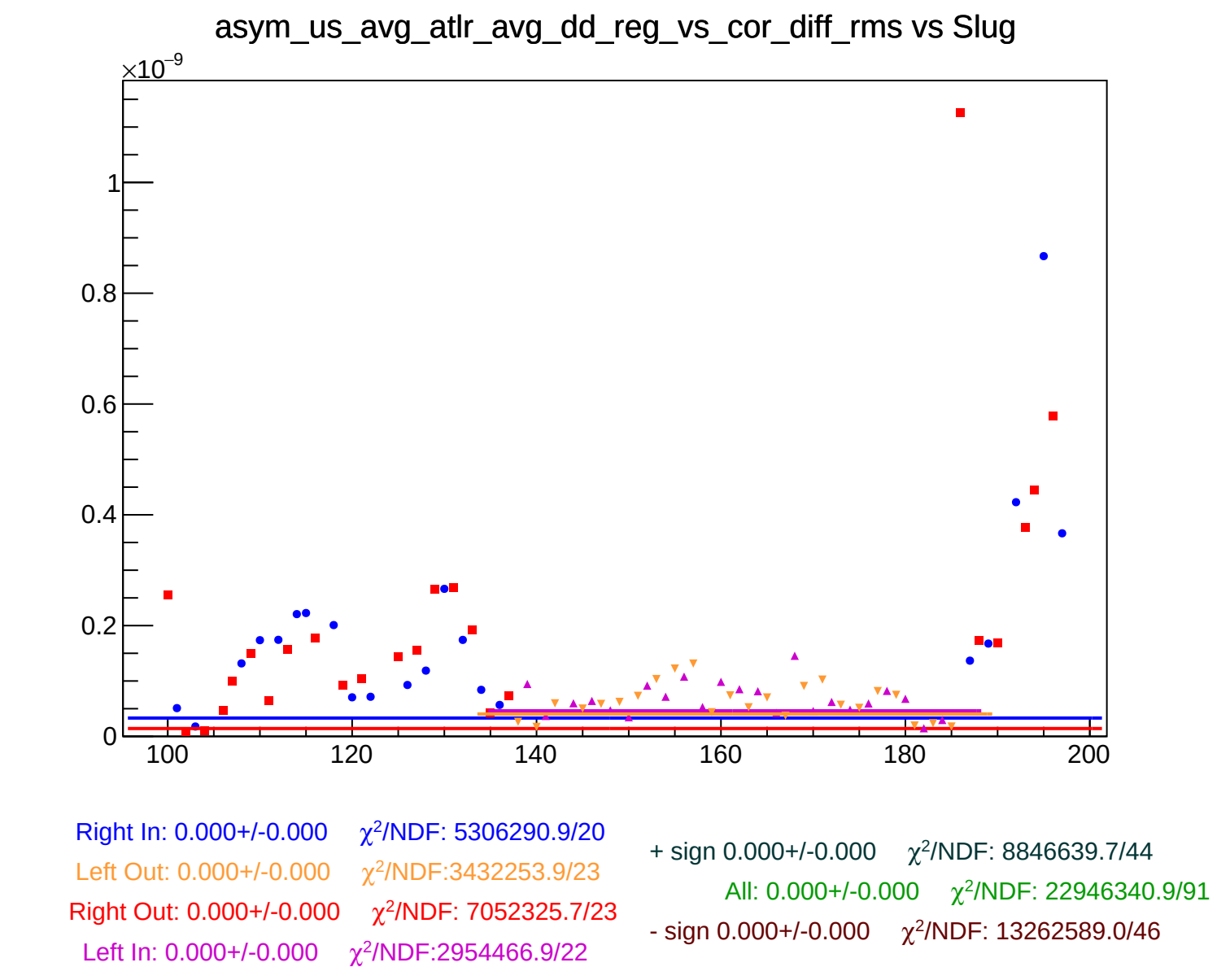
Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

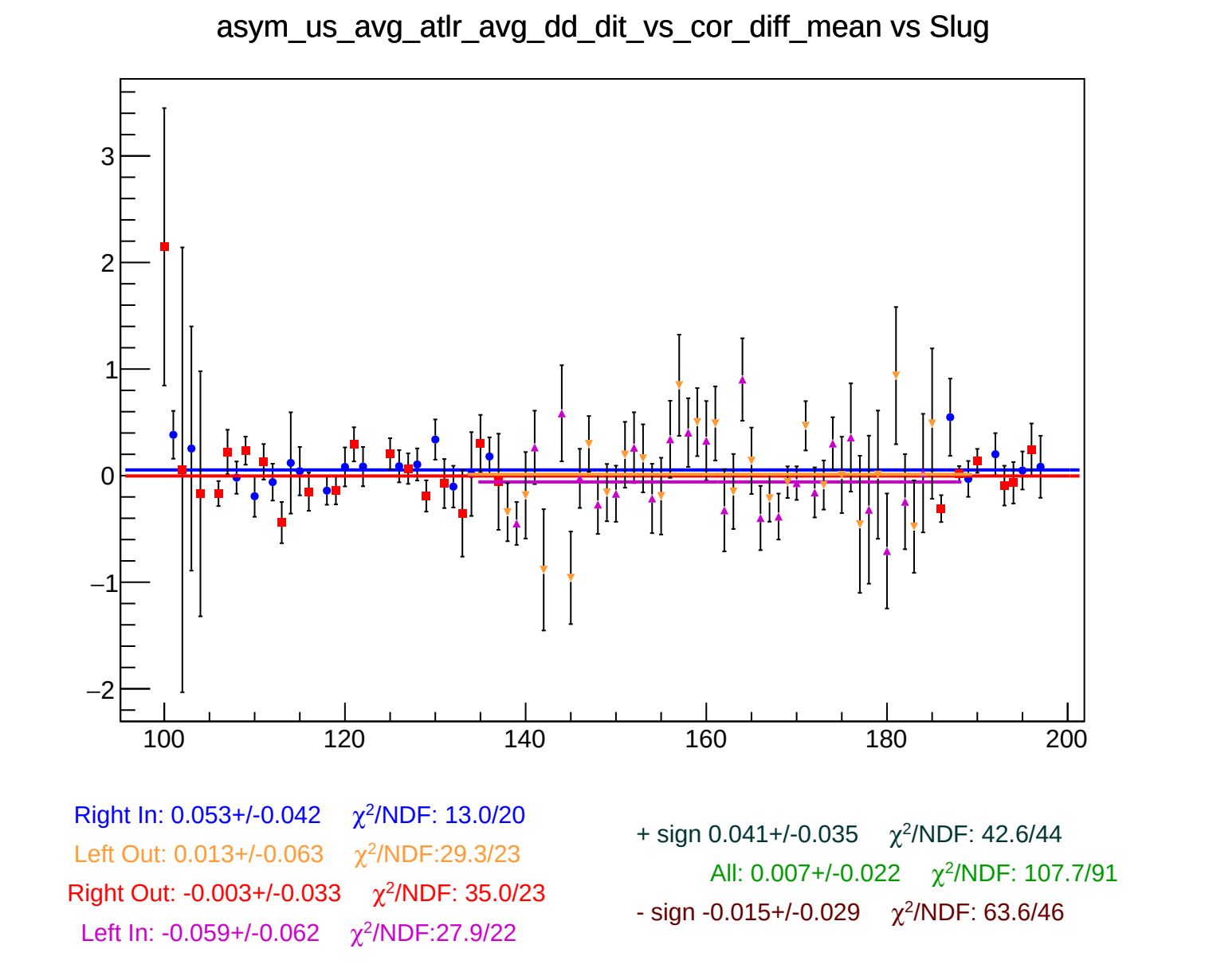
+ sign 3077.271+/-0.433 χ^2/NDF: 7293454.5/44

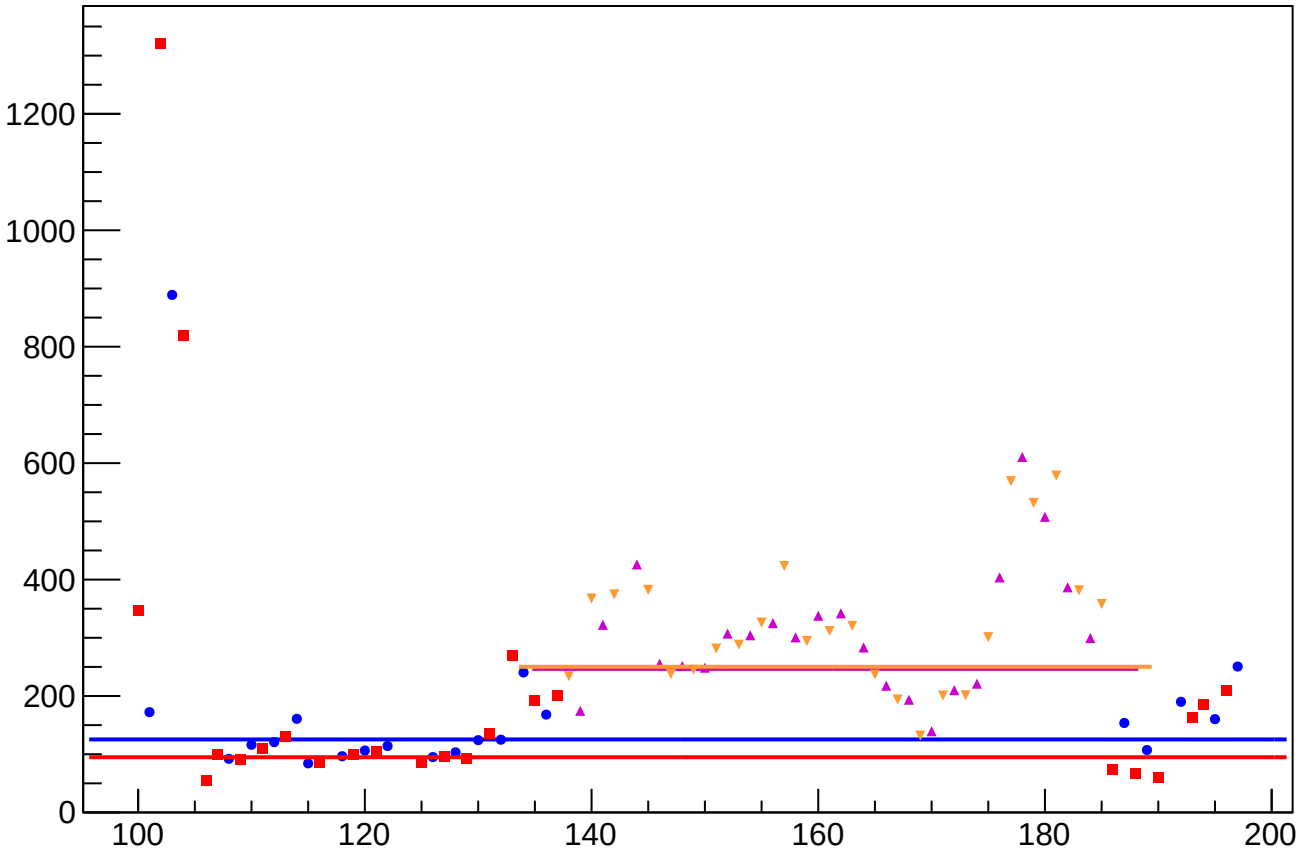
All: 3054.860+/-0.303 χ^2/NDF: 14547422.5/9

- sign 3033.448+/-0.423 χ^2/NDF: 7248726.5/46


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: 15.9/20
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 25.5/23
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 61.2/44
All: -0.000+/-0.000 χ²/NDF: 110.7/91
- sign -0.000+/-0.000 χ²/NDF: 49.5/46


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: 5306290.9/20
Left Out: 0.000+/-0.000 χ²/NDF:3432253.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 7052325.7/23
Left In: 0.000+/-0.000 χ²/NDF:2954466.9/22
+ sign 0.000+/-0.000 χ²/NDF: 8846639.7/44
All: 0.000+/-0.000 χ²/NDF: 22946340.9/91
- sign 0.000+/-0.000 χ²/NDF: 13262589.0/46


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.053+/-0.042 χ²/NDF: 13.0/20
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.003+/-0.033 χ²/NDF: 35.0/23
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.041+/-0.035 χ²/NDF: 42.6/44
All: 0.007+/-0.022 χ²/NDF: 107.7/91
- sign -0.015+/-0.029 χ²/NDF: 63.6/46



Right In: 125.403+/-0.030 χ^2/NDF: 2381785.6/20

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 94.876+/-0.023 χ^2/NDF: 4376234.8/23

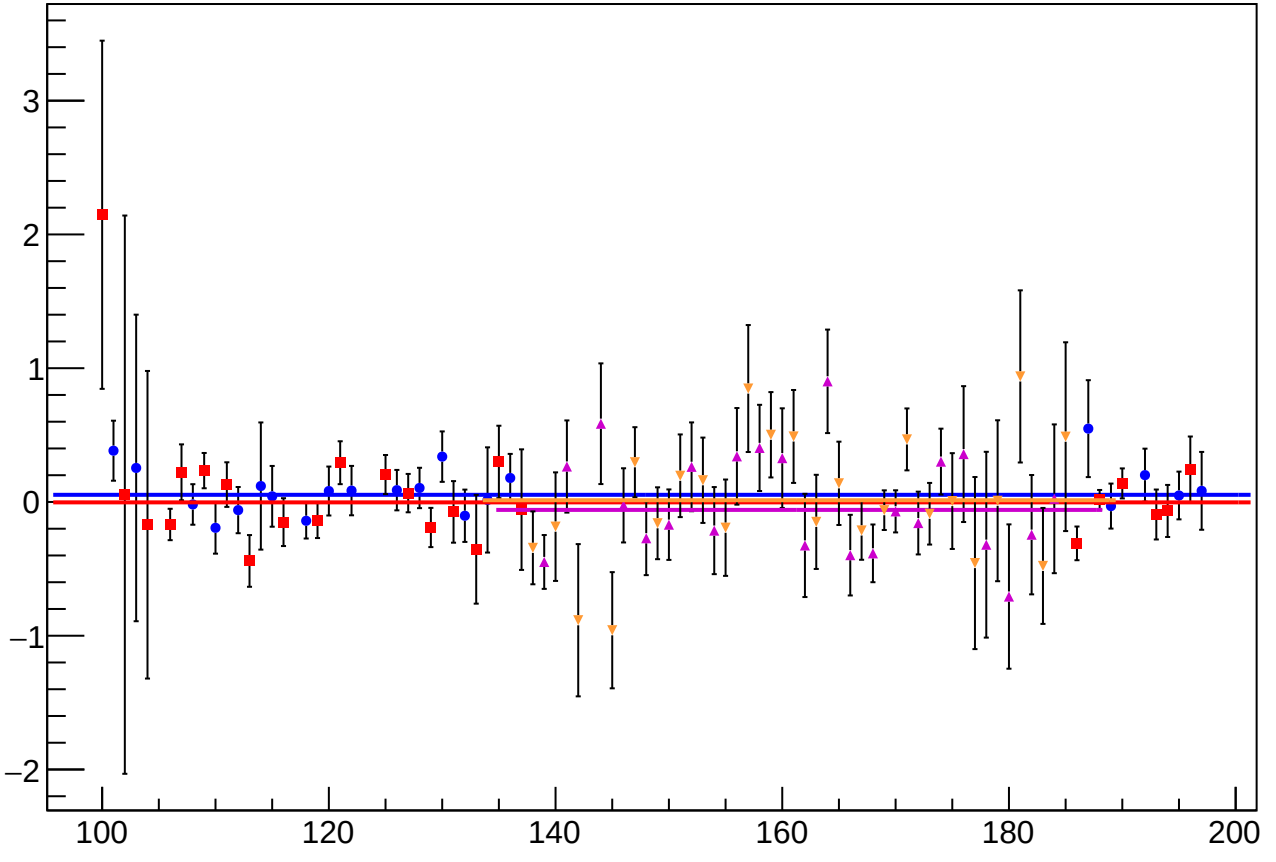
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 164.348+/-0.025 χ^2/NDF: 12137407.4/44

All: 142.700+/-0.016 χ^2/NDF: 30918633.1/91

- sign 128.020+/-0.020 χ^2/NDF: 17511153.5/46

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.053+/-0.042 χ^2/NDF: 13.0/20

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

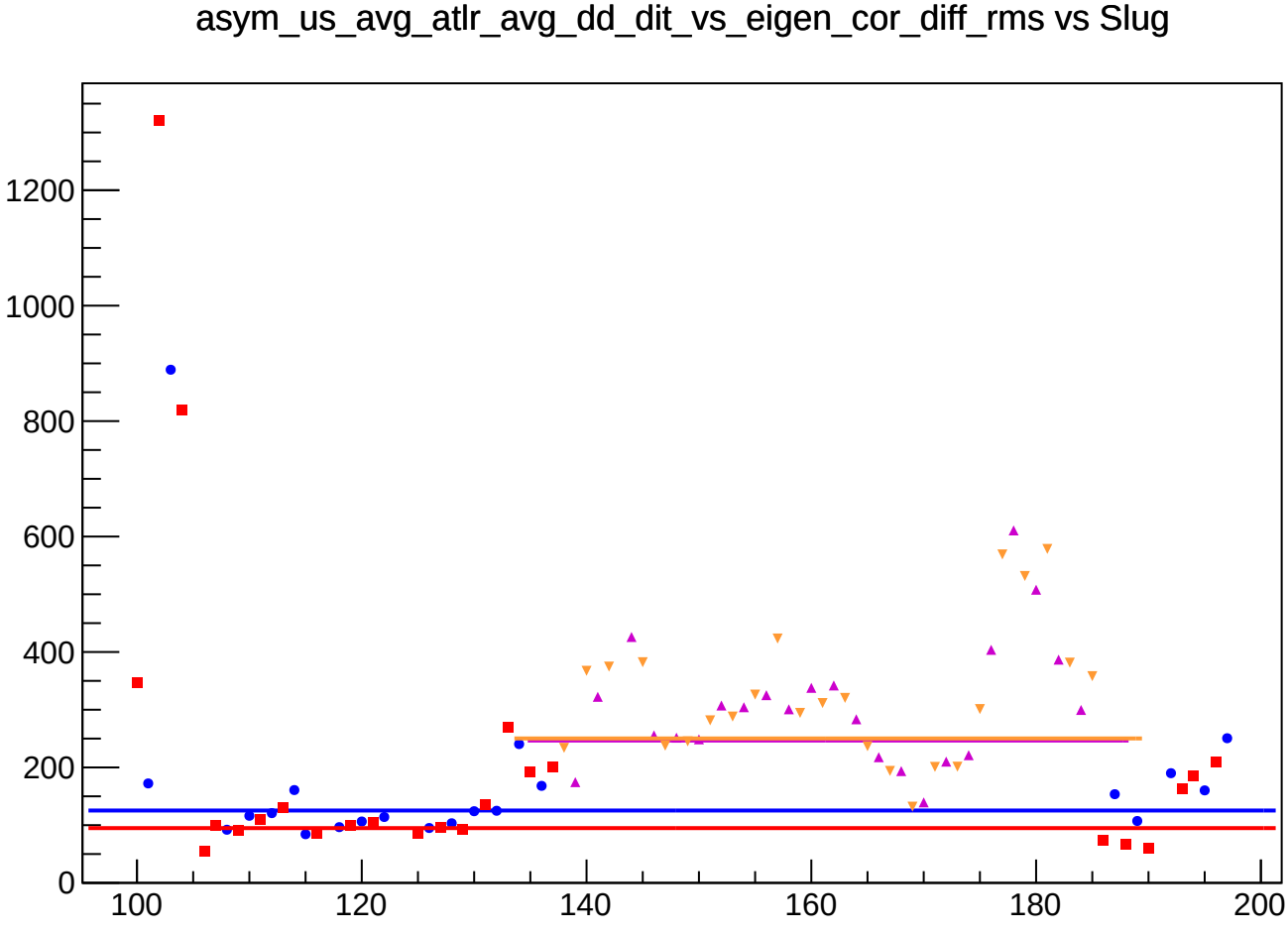
Right Out: -0.003+/-0.033 χ^2/NDF: 35.0/23

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.041+/-0.035 χ^2/NDF: 42.6/44

All: 0.007+/-0.022 χ^2/NDF: 107.7/91

- sign -0.015+/-0.029 χ^2/NDF: 63.6/46



Right In: 125.403+/-0.030 χ^2/NDF: 2381785.6/20

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

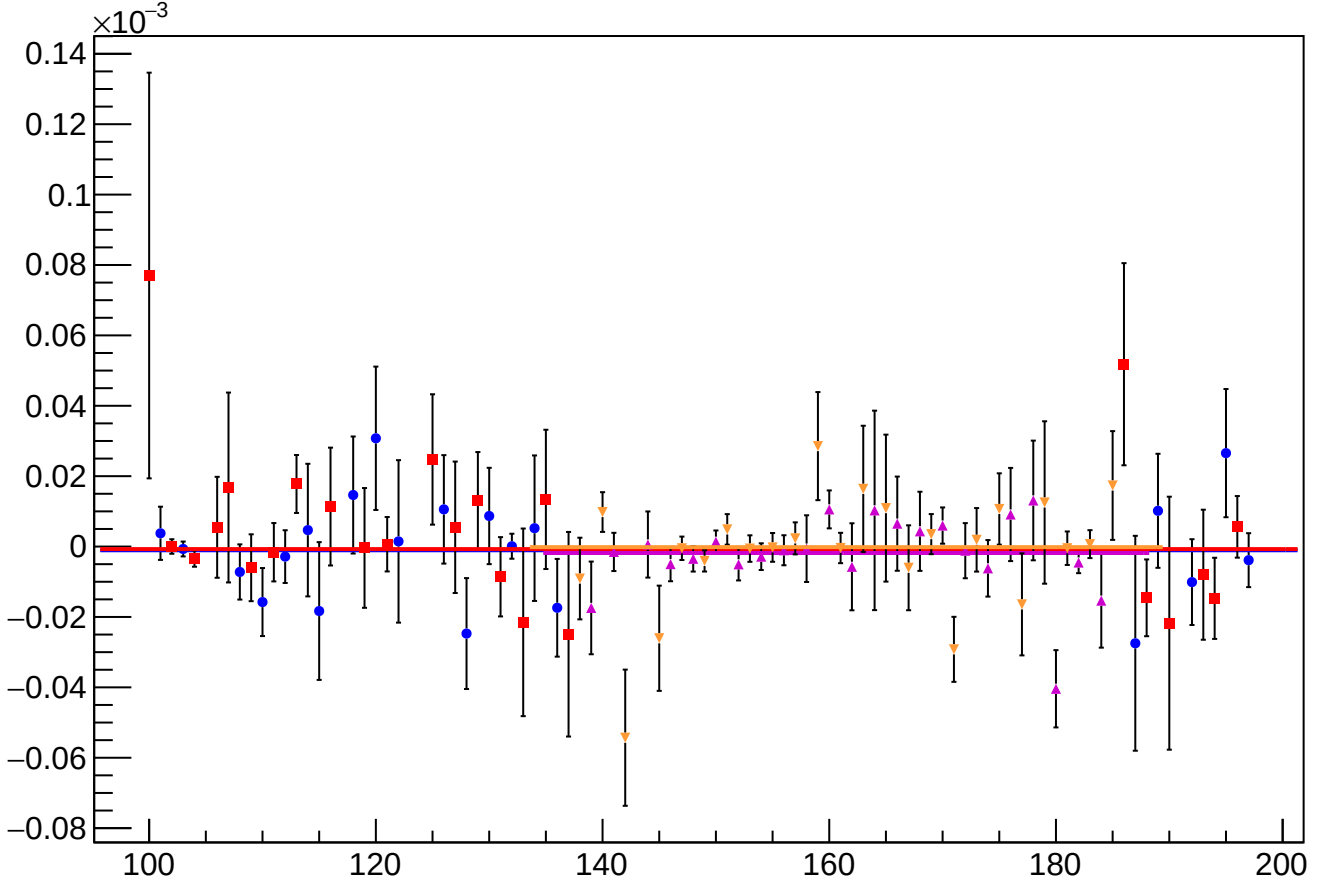
Right Out: 94.876+/-0.023 χ^2/NDF: 4376234.8/23

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 164.348+/-0.025 χ^2/NDF: 12137407.4/44

All: 142.700+/-0.016 χ^2/NDF: 30918633.1/91

- sign 128.020+/-0.020 χ^2/NDF: 17511153.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

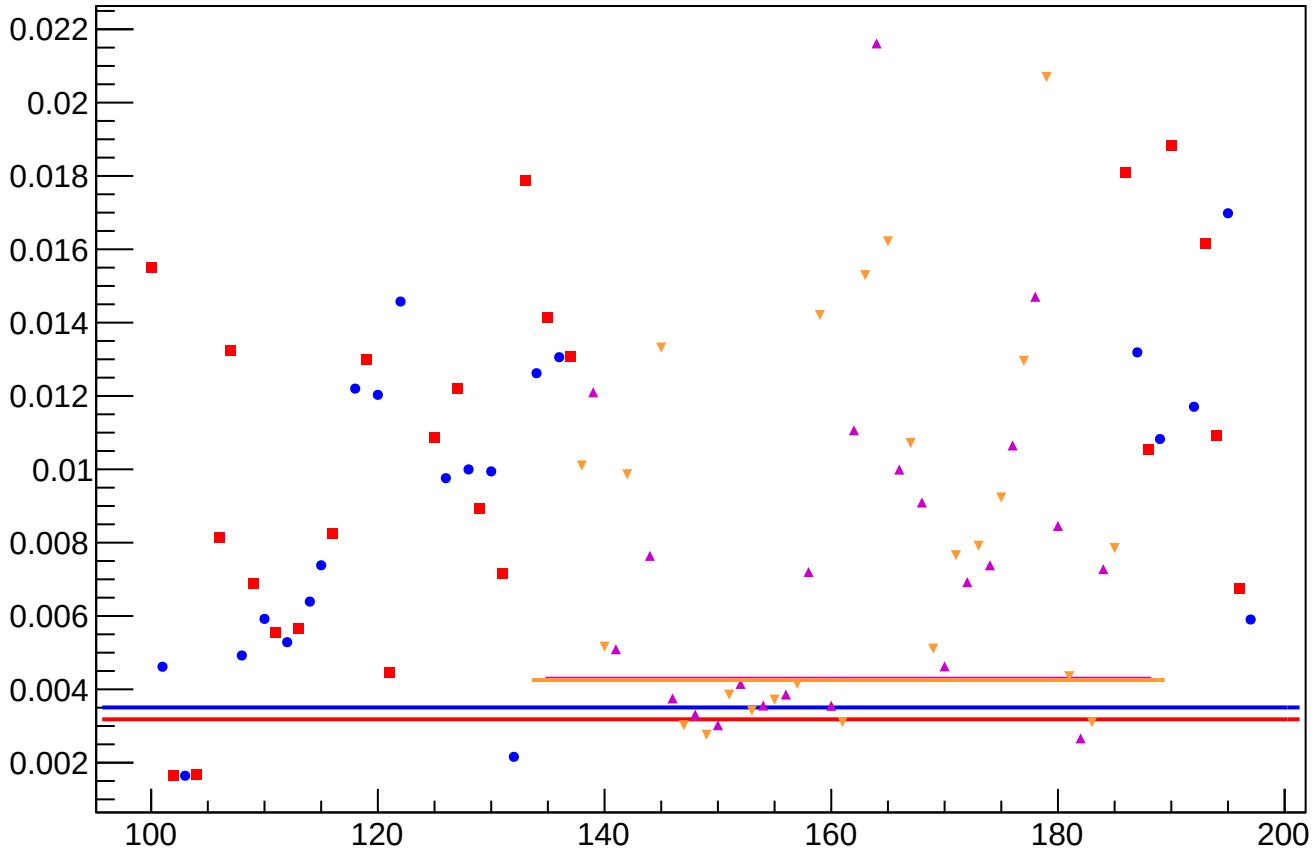
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/23

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.1/44

All: -0.000+/-0.000 χ^2/NDF: 105.7/91

- sign -0.000+/-0.000 χ^2/NDF: 51.1/46



Right In: 0.004+/-0.000 χ^2/NDF: 8922887.8/20

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

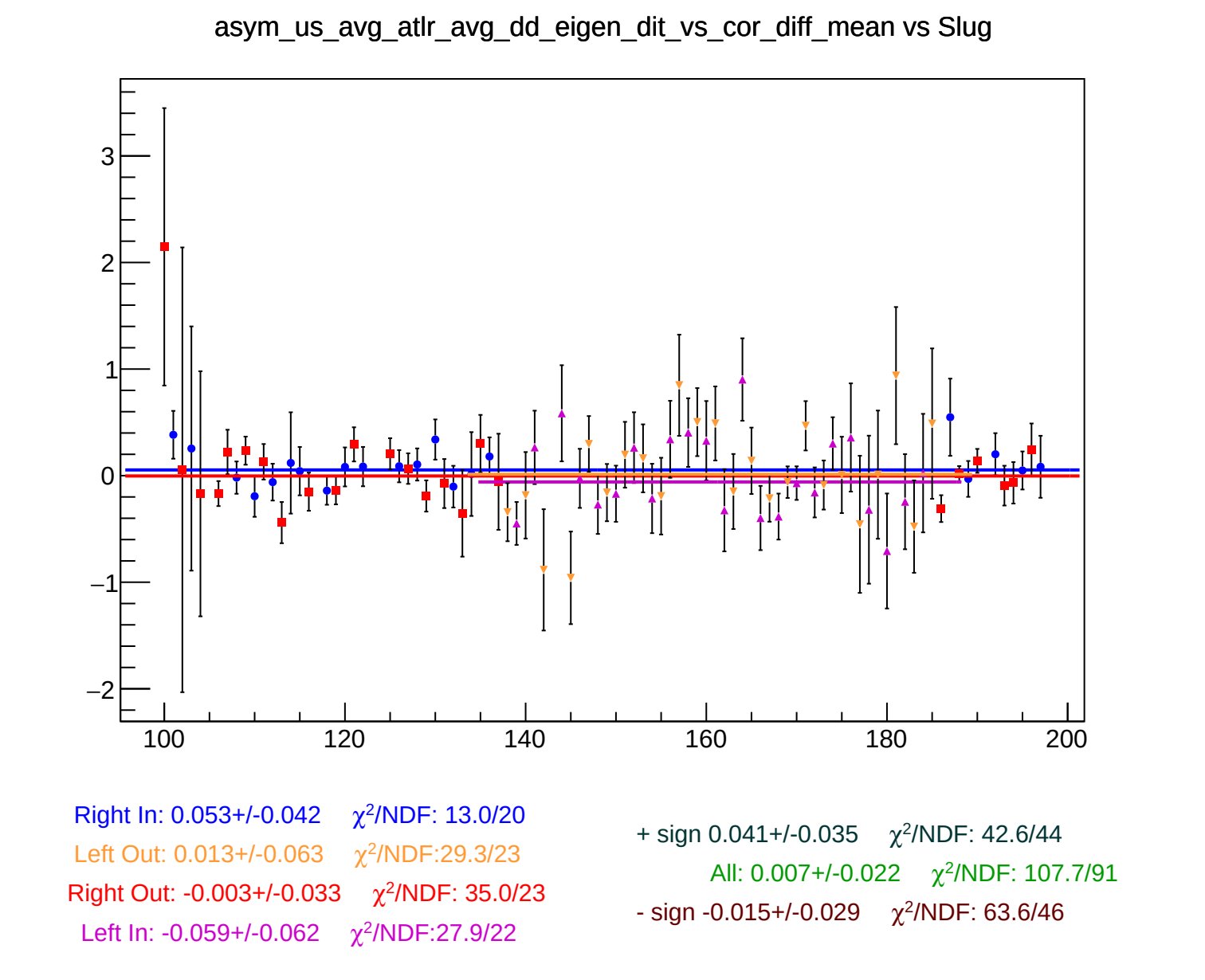
Right Out: 0.003+/-0.000 χ^2/NDF: 10975330.8/23

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 17719659.3/44

All: 0.004+/-0.000 χ^2/NDF: 36085012.0/91

- sign 0.004+/-0.000 χ^2/NDF: 18330758.8/46


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
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1
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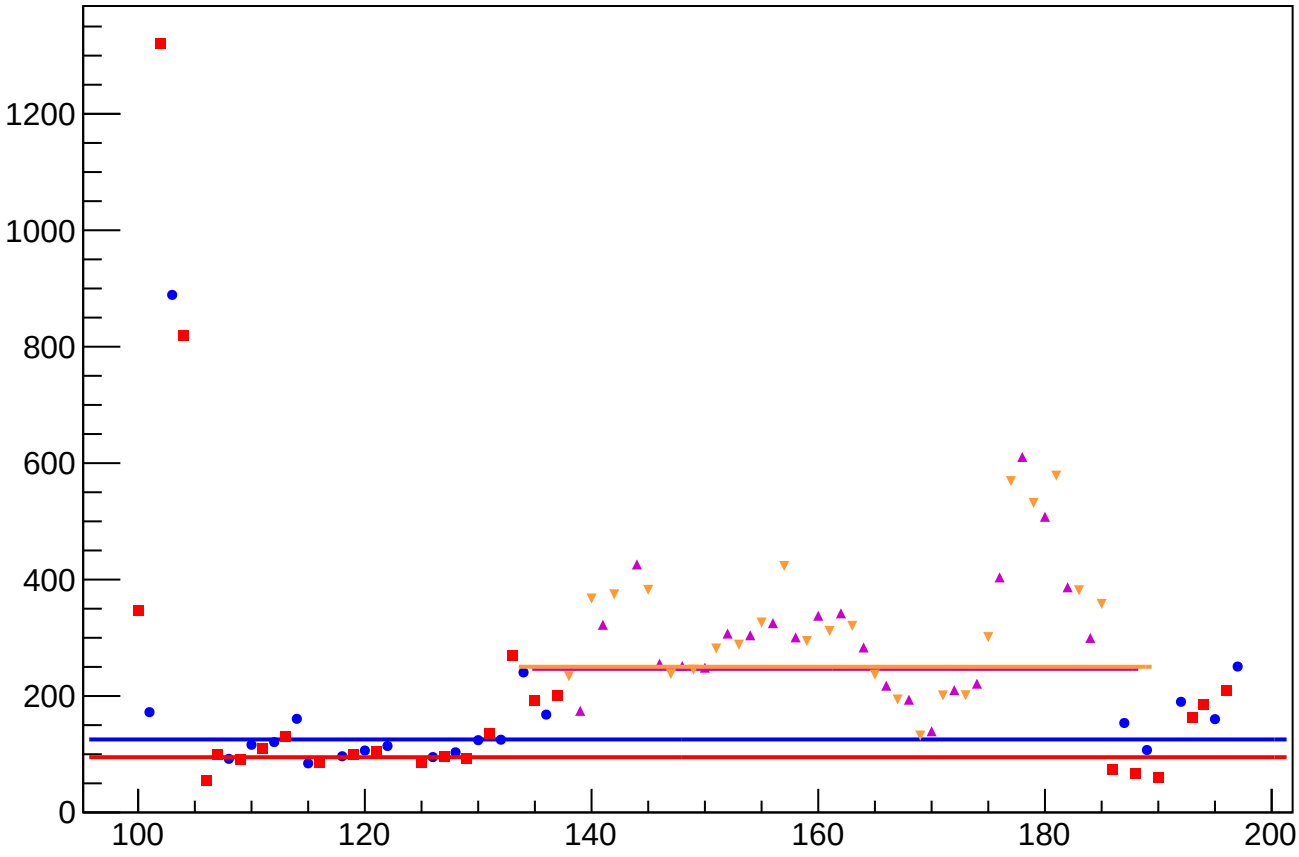
−1
−2
100
120
140
160
180
200
Right In: 0.053+/-0.042 χ²/NDF: 13.0/20
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.003+/-0.033 χ²/NDF: 35.0/23
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.041+/-0.035 χ²/NDF: 42.6/44
All: 0.007+/-0.022 χ²/NDF: 107.7/91
- sign -0.015+/-0.029 χ²/NDF: 63.6/46



Right In: 125.402+/-0.030 χ^2/NDF: 2381798.1/20

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 94.872+/-0.023 χ^2/NDF: 4376629.1/23

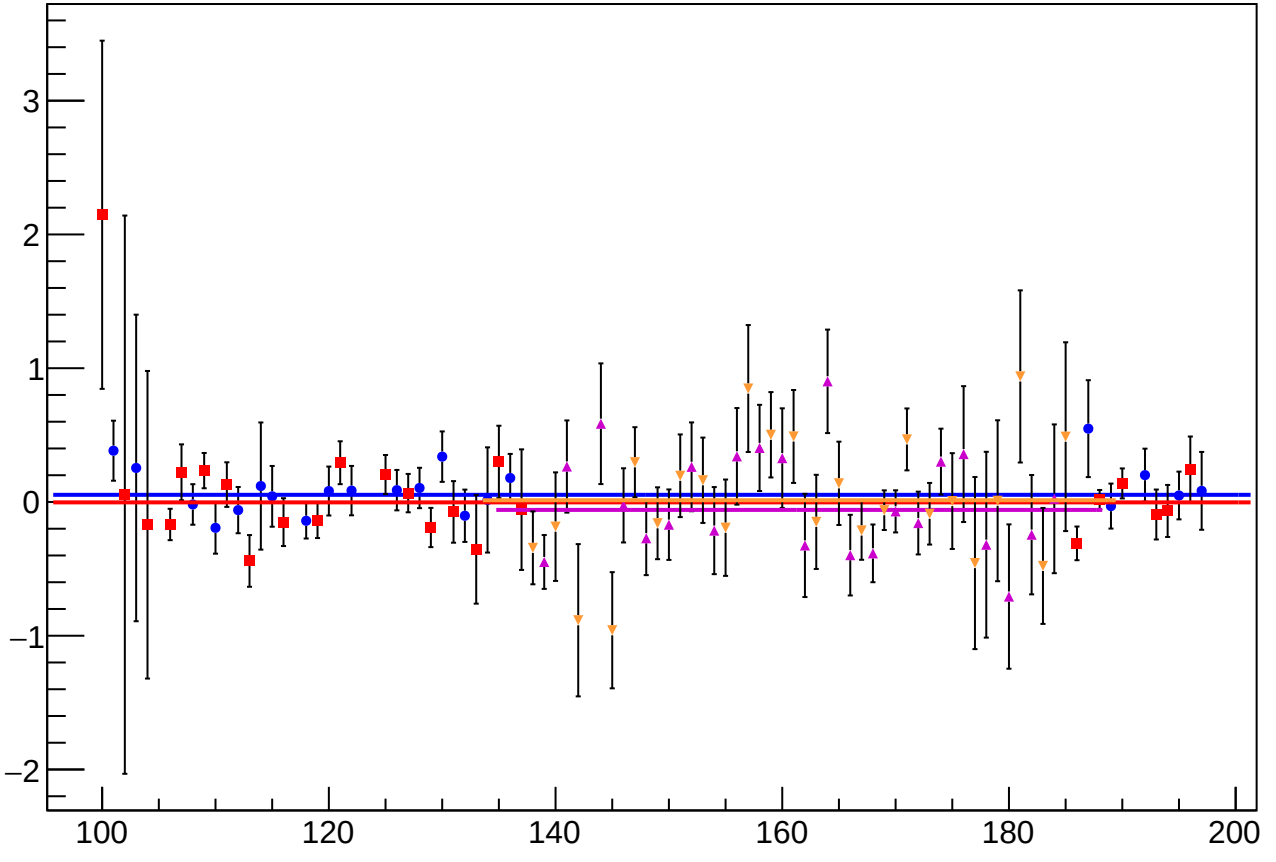
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 164.347+/-0.025 χ^2/NDF: 12137671.6/44

All: 142.696+/-0.016 χ^2/NDF: 30920496.8/91

- sign 128.014+/-0.020 χ^2/NDF: 17512407.6/46

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.053+/-0.042 χ^2/NDF: 13.0/20

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

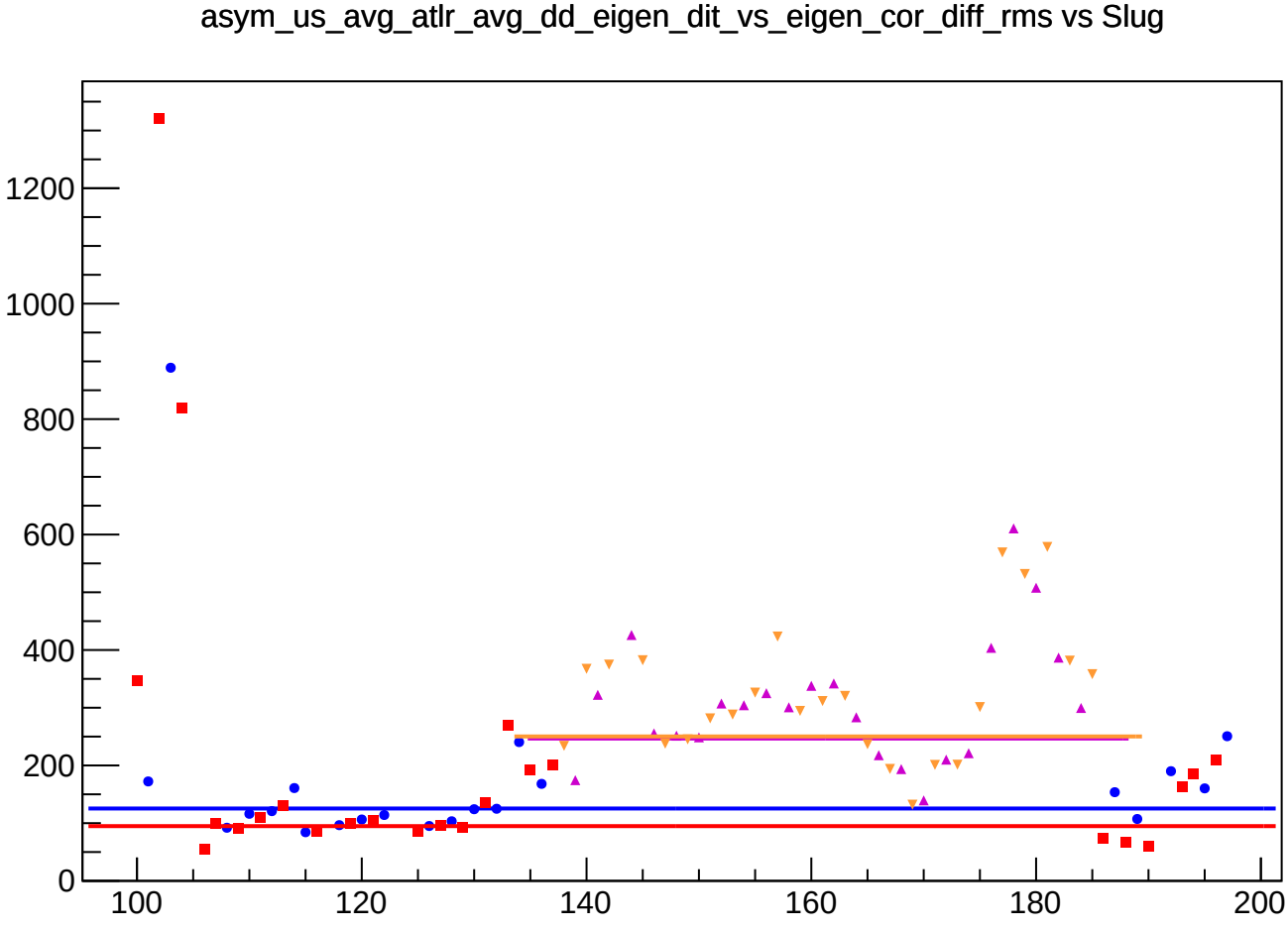
Right Out: -0.003+/-0.033 χ^2/NDF: 35.0/23

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.041+/-0.035 χ^2/NDF: 42.6/44

All: 0.007+/-0.022 χ^2/NDF: 107.7/91

- sign -0.015+/-0.029 χ^2/NDF: 63.6/46



Right In: 125.402+/-0.030 χ^2/NDF: 2381798.1/20

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

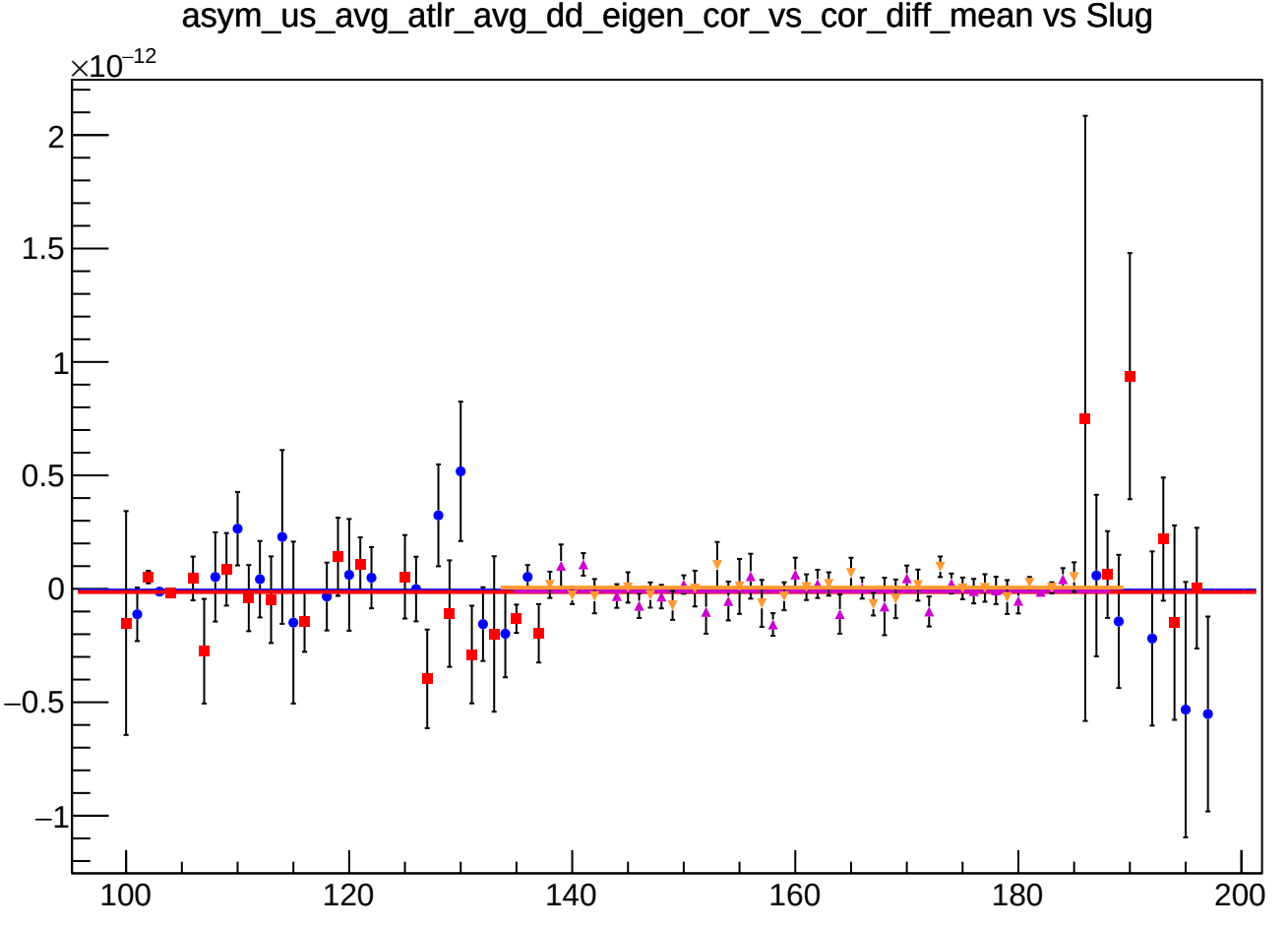
Right Out: 94.872+/-0.023 χ^2/NDF: 4376629.1/23

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 164.347+/-0.025 χ^2/NDF: 12137671.6/44

All: 142.696+/-0.016 χ^2/NDF: 30920496.8/91

- sign 128.014+/-0.020 χ^2/NDF: 17512407.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

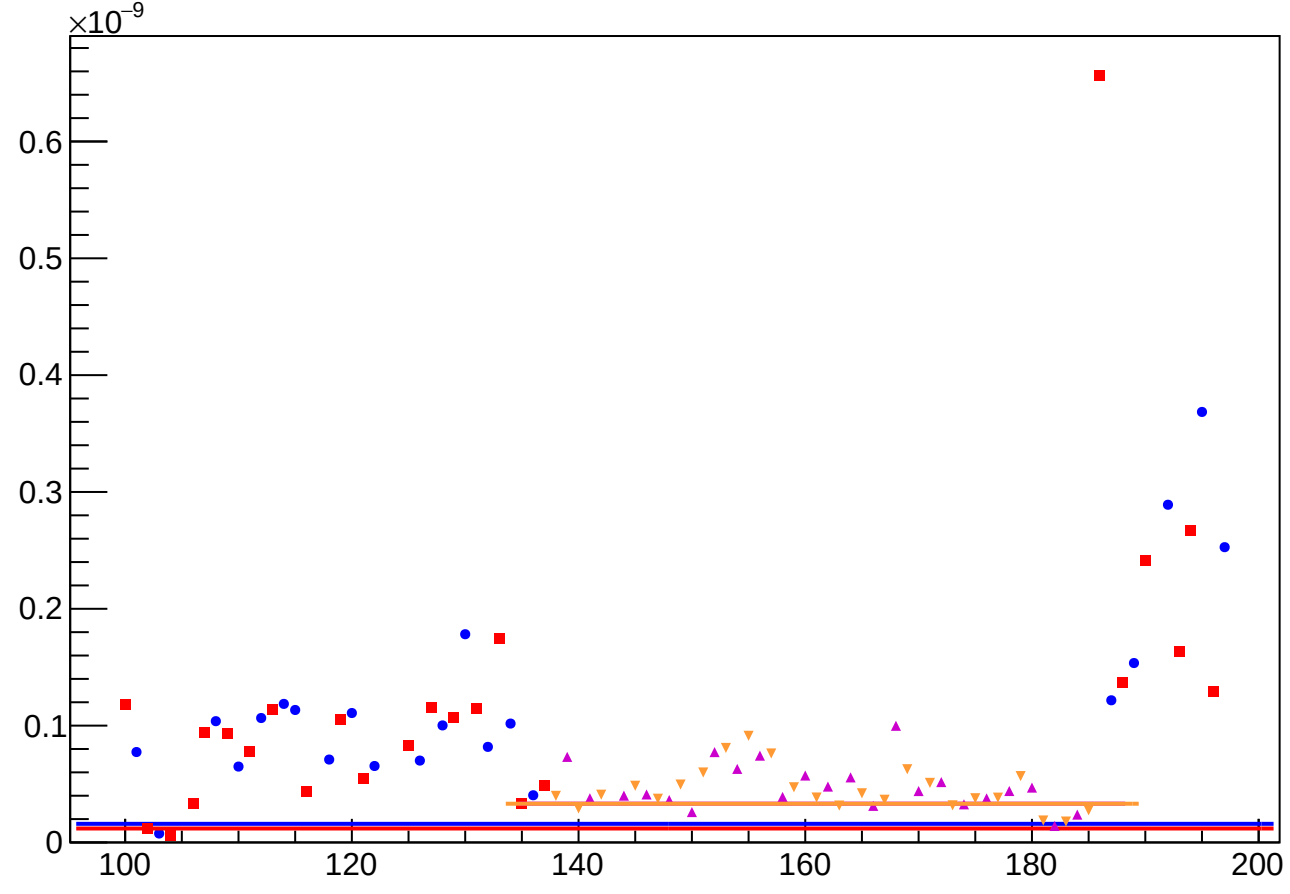
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/23

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.5/44

All: -0.000+/-0.000 χ^2/NDF: 86.2/91

- sign -0.000+/-0.000 χ^2/NDF: 54.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 8928351.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9280566.5/23

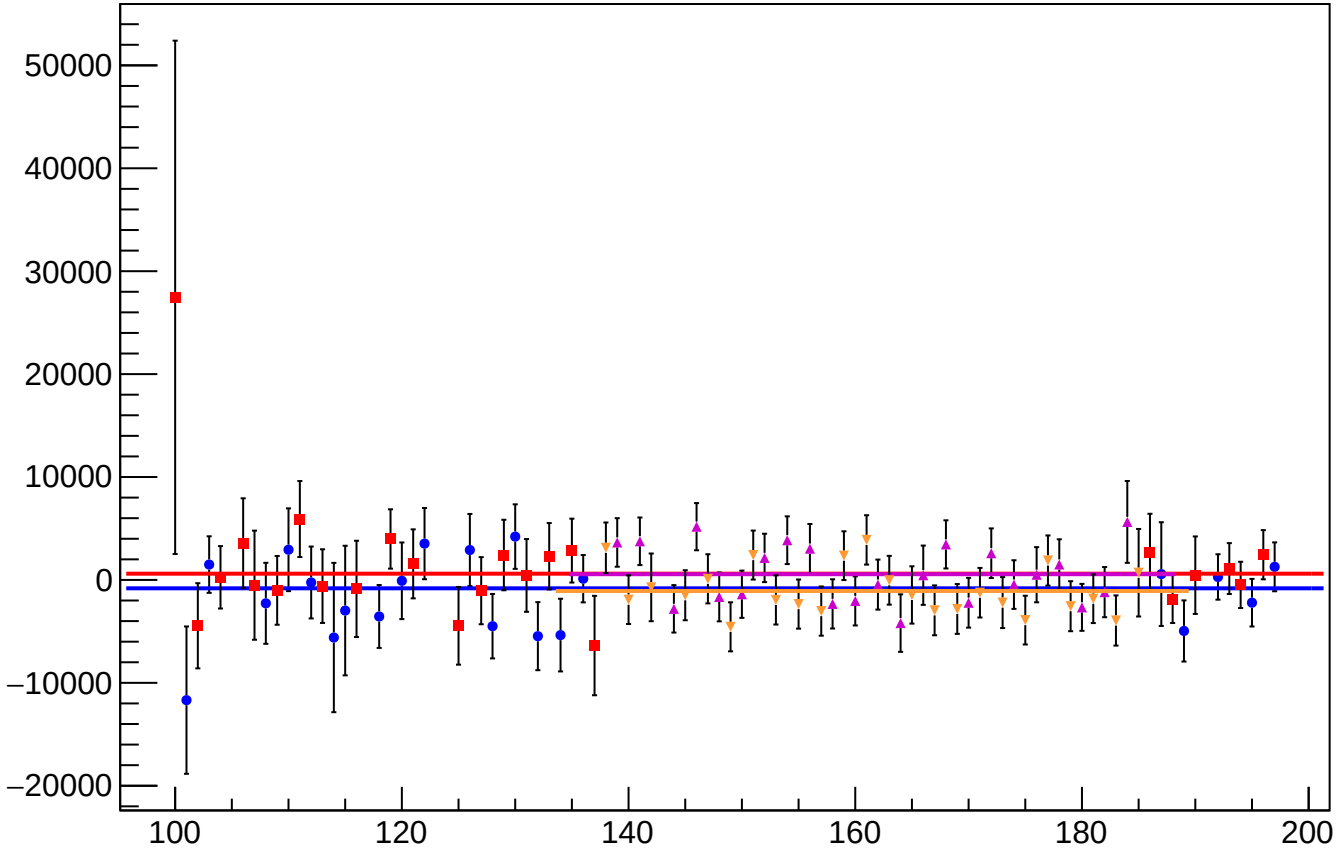
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15196643.6/44

All: 0.000+/-0.000 χ^2/NDF: 34165082.6/91

- sign 0.000+/-0.000 χ^2/NDF: 18679536.7/46

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -814.395+/-700.847 χ^2/NDF: 19.3/20

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 606.969+/-676.077 χ^2/NDF: 14.7/23

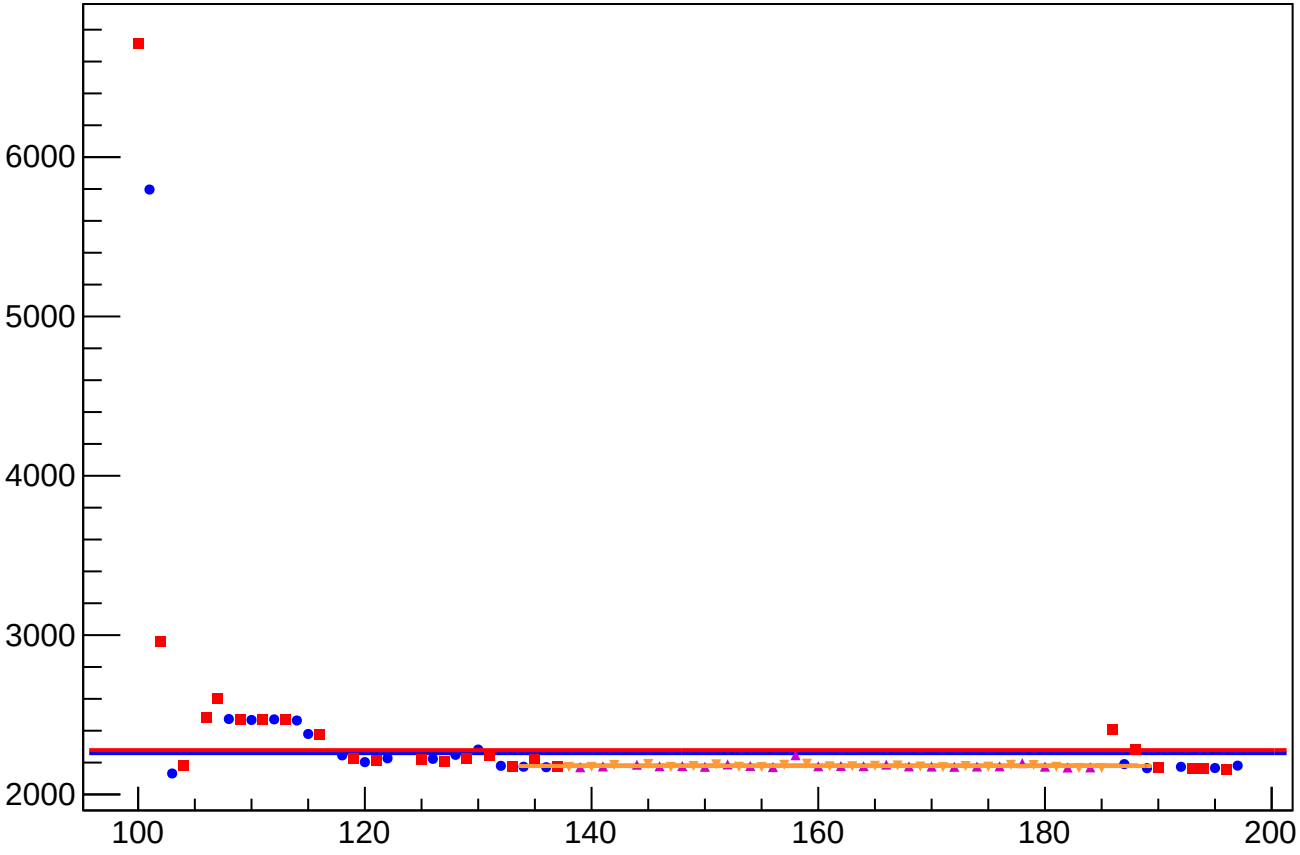
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -984.406+/-410.002 χ^2/NDF: 40.9/44

All: -198.424+/-288.757 χ^2/NDF: 91.6/91

- sign 575.120+/-406.745 χ^2/NDF: 43.4/46

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2259.149+/-0.496 χ^2/NDF: 530917.9/20

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

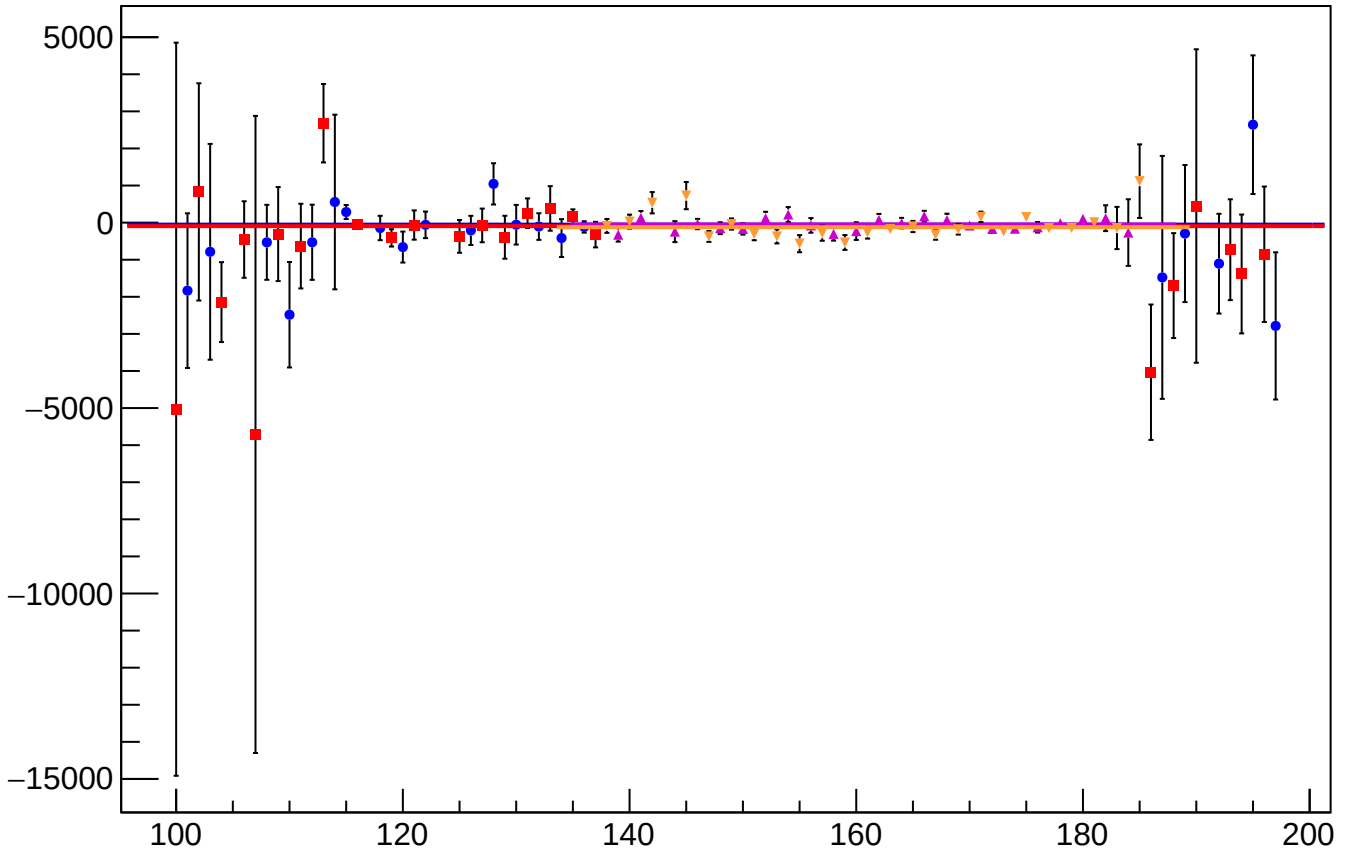
Right Out: 2278.005+/-0.478 χ^2/NDF: 175547.4/23

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2205.933+/-0.290 χ^2/NDF: 548837.9/44

All: 2211.037+/-0.204 χ^2/NDF: 753181.7/91

- sign 2216.059+/-0.288 χ^2/NDF: 203728.9/46



Right In: -53.779+/-90.363 χ^2/NDF: 19.2/20

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -94.747+/-81.806 χ^2/NDF: 24.7/23

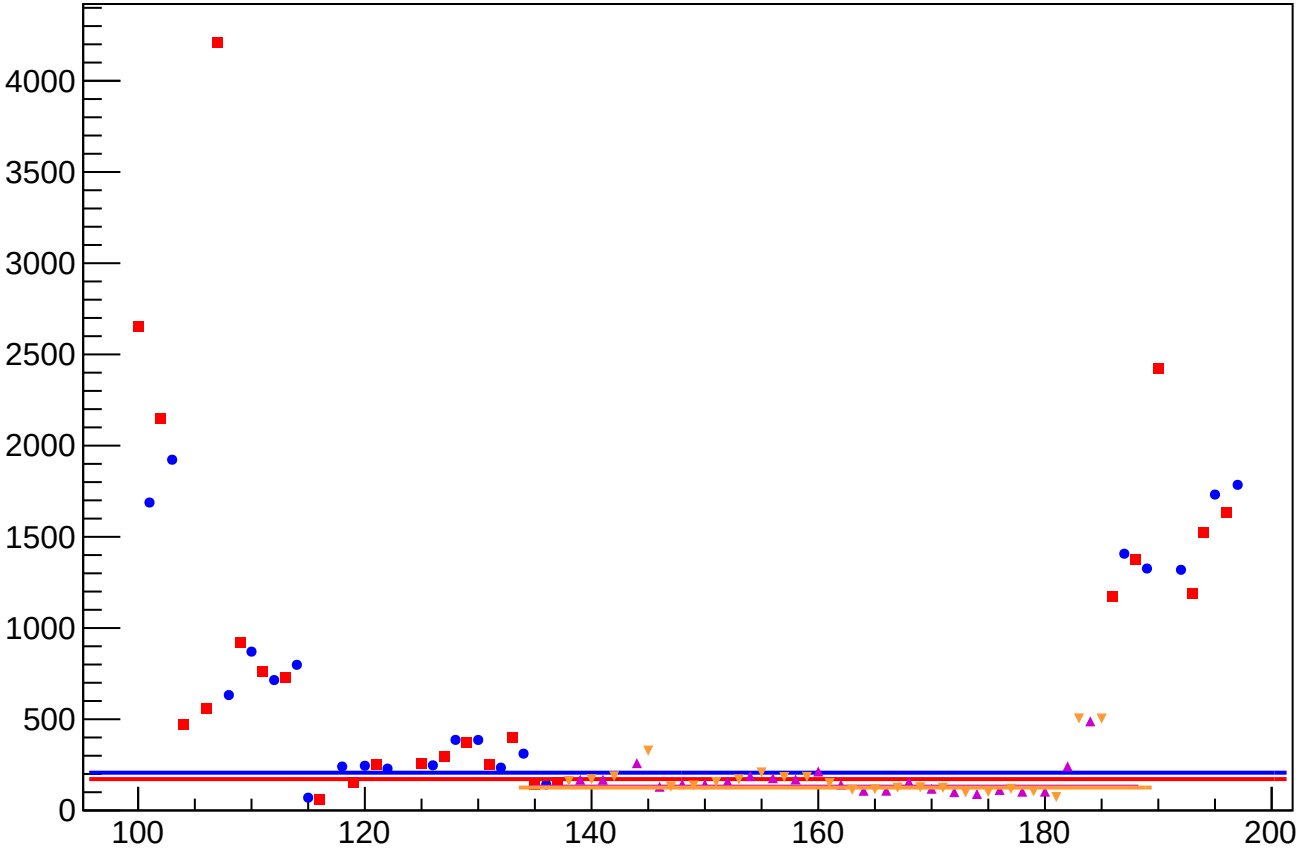
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.546+/-29.667 χ^2/NDF: 63.5/44

All: -86.532+/-21.177 χ^2/NDF: 108.6/91

- sign -56.388+/-30.240 χ^2/NDF: 43.2/46

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 207.019+/-0.064 χ^2/NDF: 10090336.1/20

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 171.935+/-0.058 χ^2/NDF: 12679250.5/23

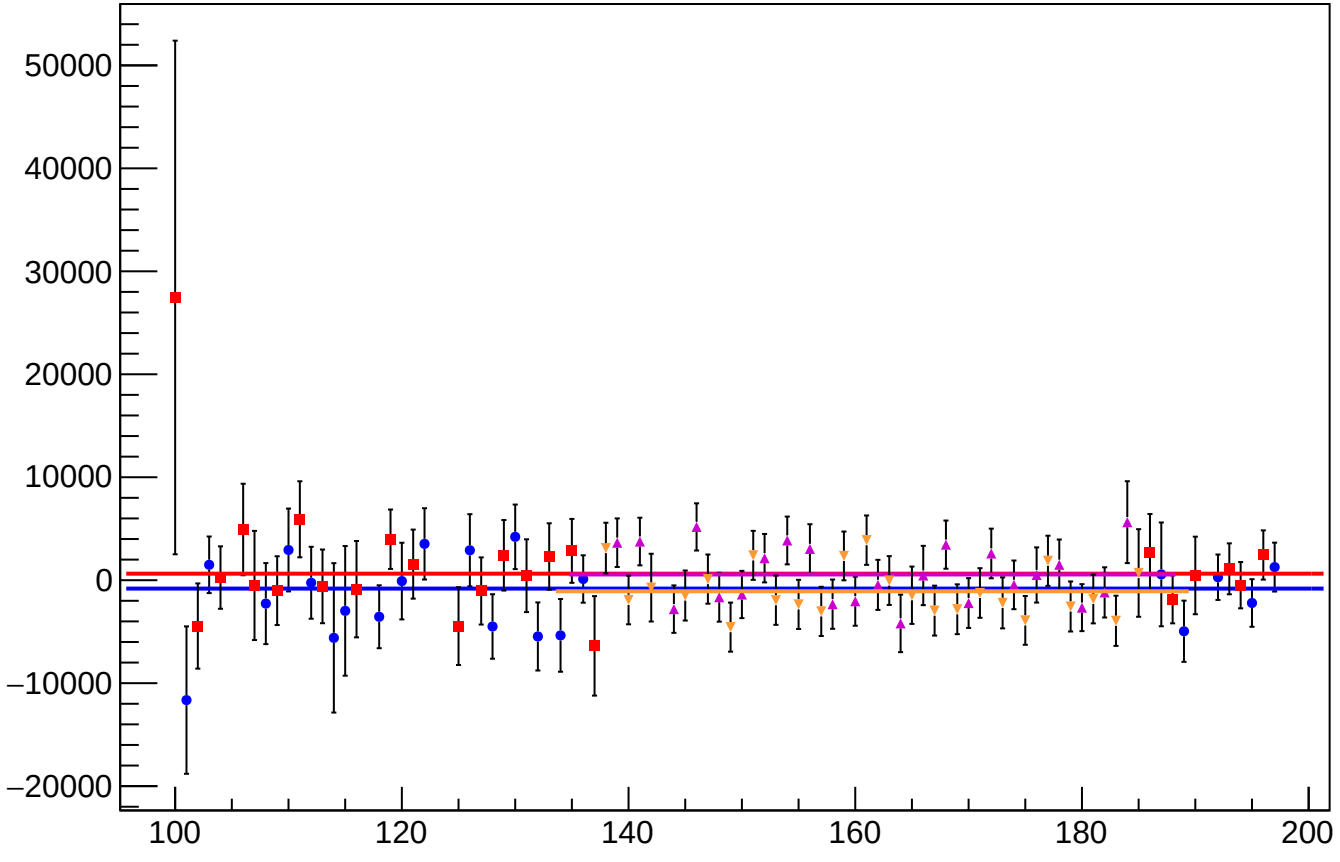
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 134.292+/-0.021 χ^2/NDF: 15485089.1/44

All: 135.182+/-0.015 χ^2/NDF: 31292032.7/91

- sign 136.107+/-0.021 χ^2/NDF: 15803275.1/46

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -813.791+/-700.847 χ^2/NDF: 19.3/20

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 635.310+/-676.416 χ^2/NDF: 15.1/23

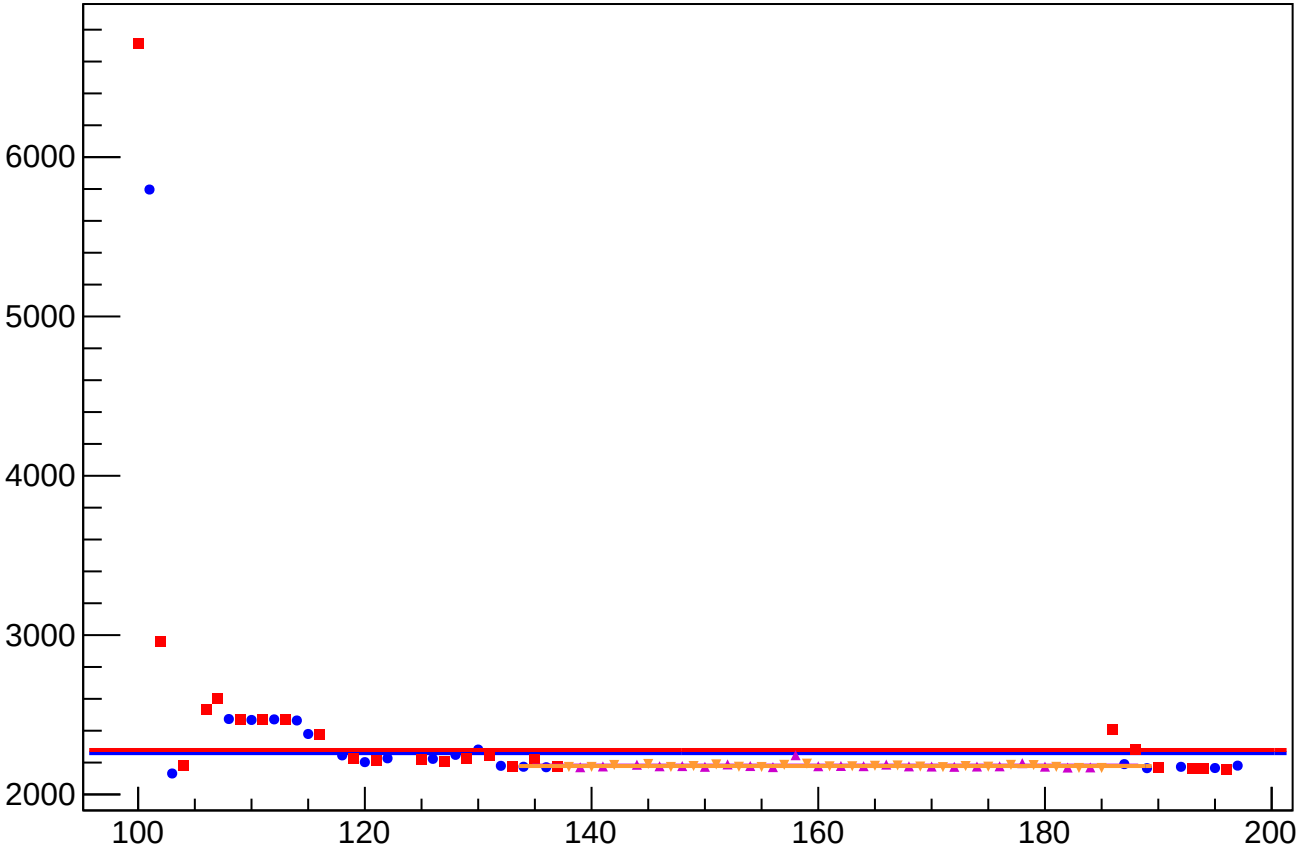
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -984.154+/-410.002 χ^2/NDF: 40.9/44

All: -193.272+/-288.783 χ^2/NDF: 92.2/91

- sign 585.377+/-406.818 χ^2/NDF: 43.8/46

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2259.149+/-0.496 χ^2/NDF: 530918.2/20

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

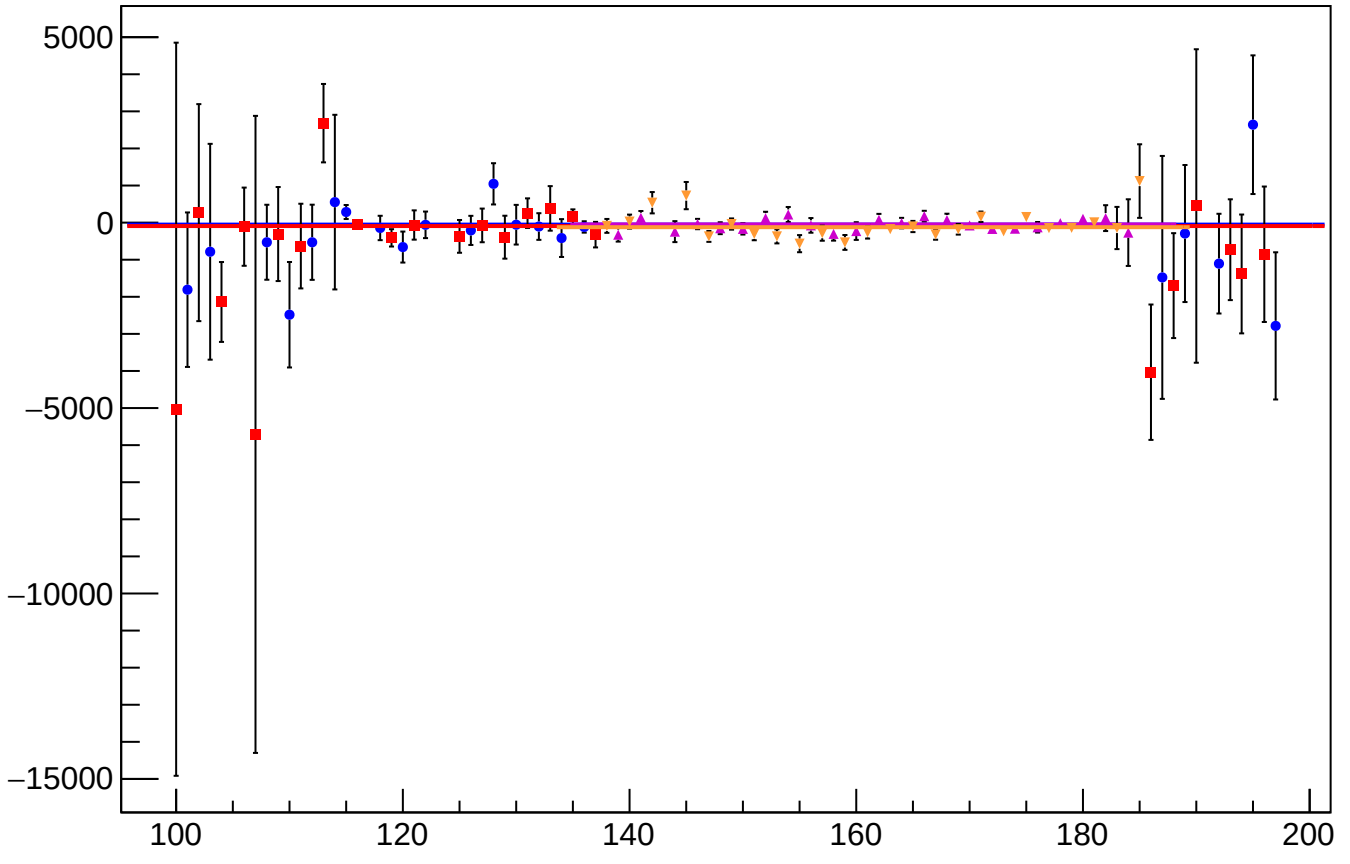
Right Out: 2278.973+/-0.478 χ^2/NDF: 177732.1/23

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2205.933+/-0.290 χ^2/NDF: 548838.2/44

All: 2211.201+/-0.204 χ^2/NDF: 755917.5/91

- sign 2216.387+/-0.288 χ^2/NDF: 206424.0/46



Right In: -53.812+/-90.369 χ^2/NDF: 19.2/20

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

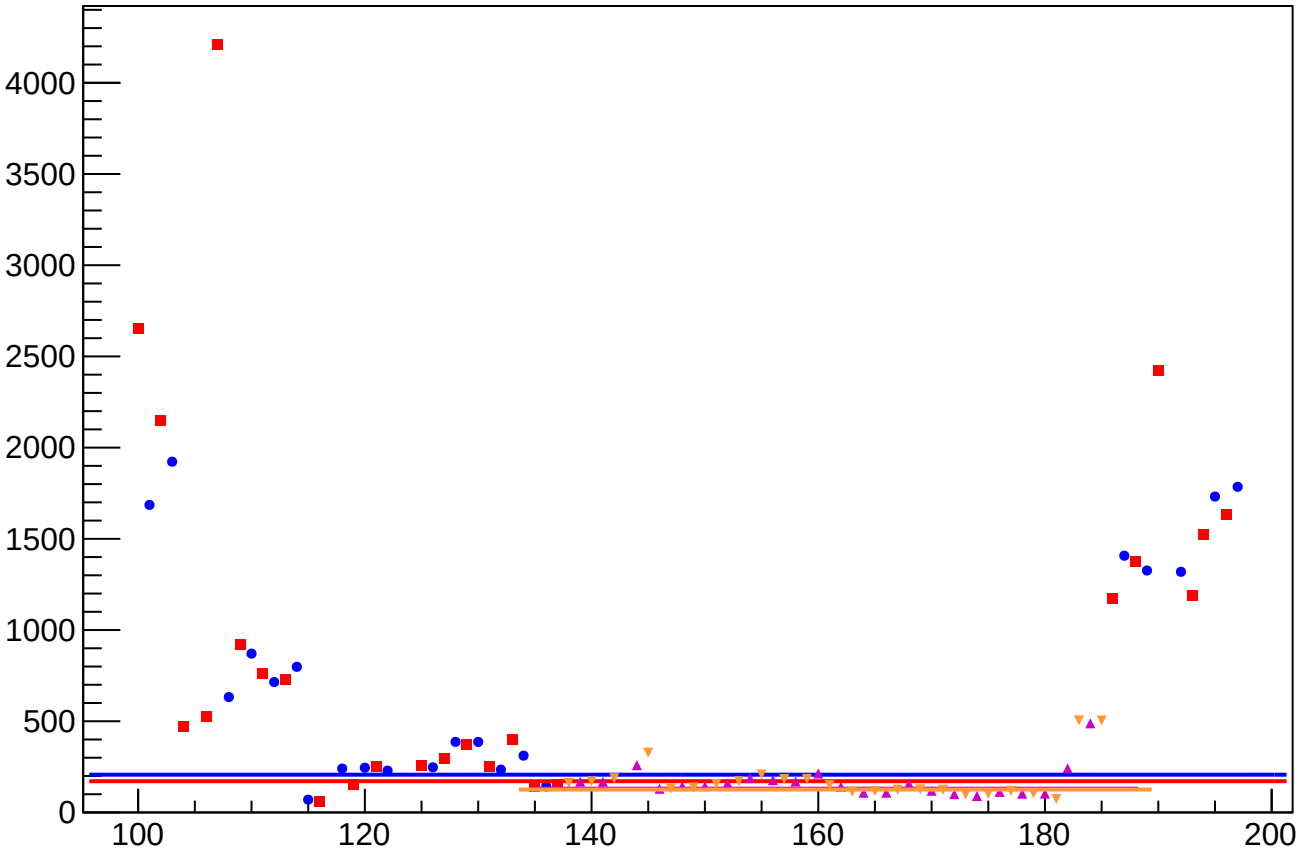
Right Out: -92.744+/-81.746 χ^2/NDF: 24.5/23

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.479+/-29.667 χ^2/NDF: 63.5/44

All: -86.322+/-21.177 χ^2/NDF: 108.4/91

- sign -56.030+/-30.239 χ^2/NDF: 43.0/46



Right In: 207.045+/-0.064 χ^2/NDF: 10089022.7/20

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 171.361+/-0.058 χ^2/NDF: 12639399.7/23

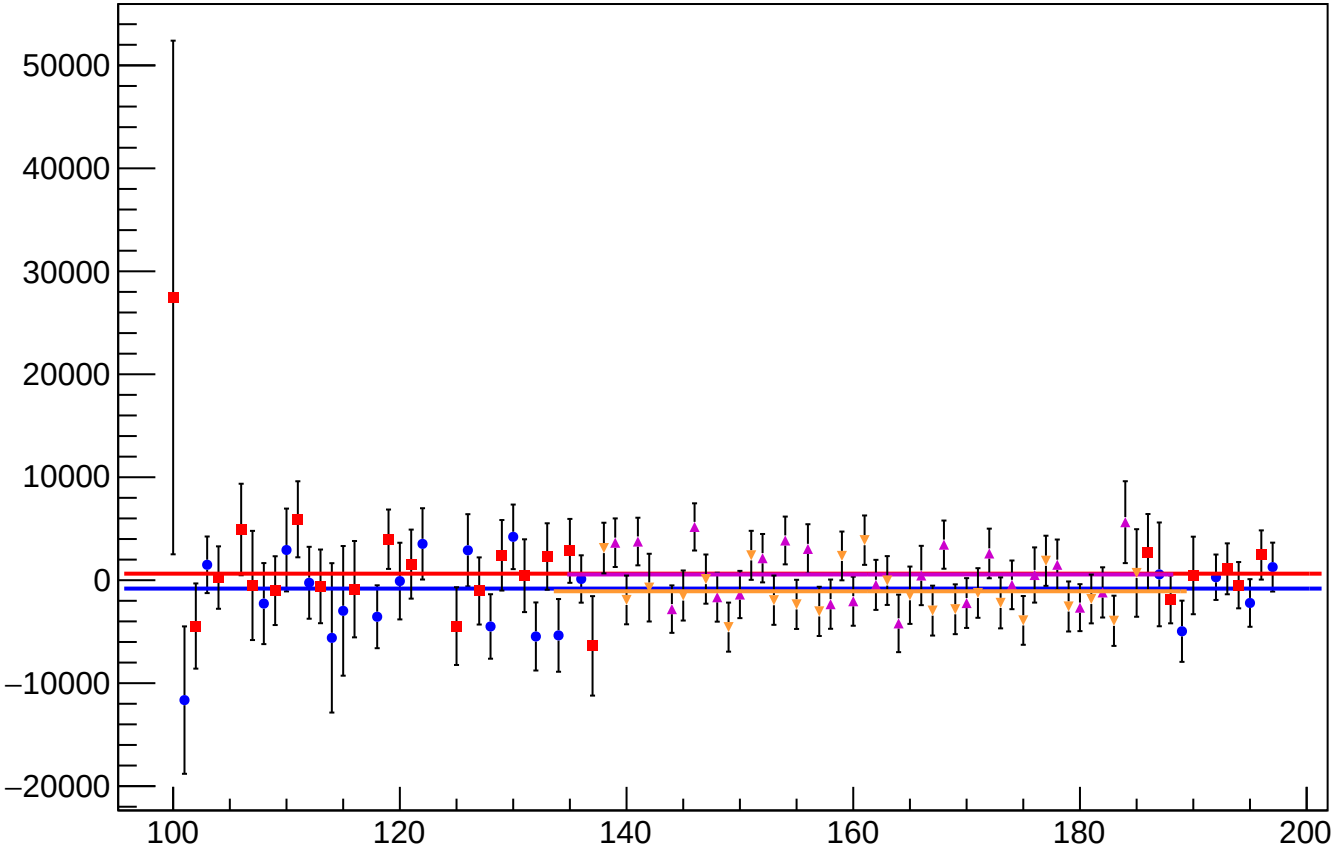
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 134.291+/-0.021 χ^2/NDF: 15485499.4/44

All: 135.153+/-0.015 χ^2/NDF: 31240080.6/91

- sign 136.049+/-0.021 χ^2/NDF: 15751135.5/46

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -813.791+/-700.847 χ^2/NDF: 19.3/20

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 635.310+/-676.416 χ^2/NDF: 15.1/23

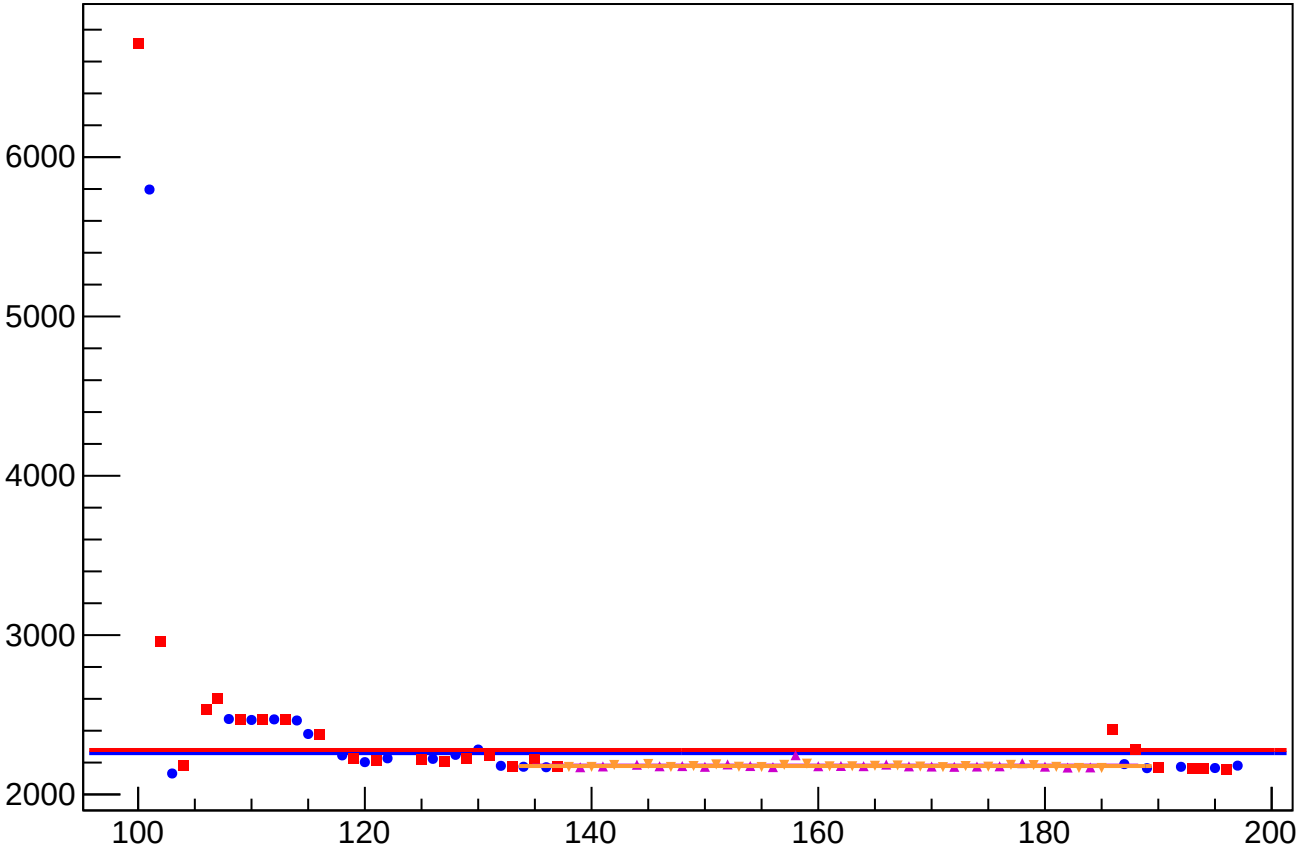
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -984.154+/-410.002 χ^2/NDF: 40.9/44

All: -193.272+/-288.783 χ^2/NDF: 92.2/91

- sign 585.377+/-406.818 χ^2/NDF: 43.8/46

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2259.149+/-0.496 χ^2/NDF: 530918.2/20

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

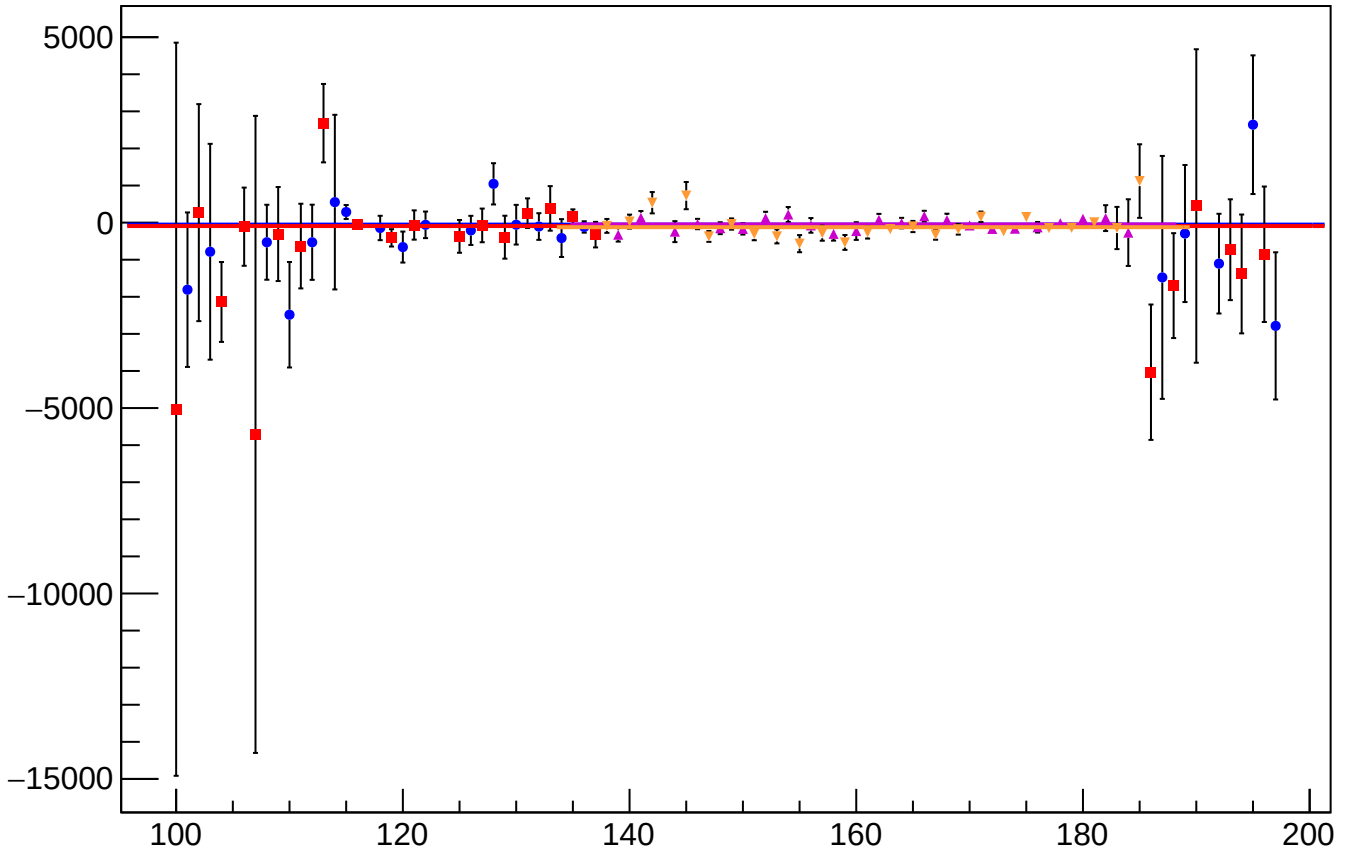
Right Out: 2278.973+/-0.478 χ^2/NDF: 177732.1/23

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2205.933+/-0.290 χ^2/NDF: 548838.2/44

All: 2211.201+/-0.204 χ^2/NDF: 755917.5/91

- sign 2216.387+/-0.288 χ^2/NDF: 206424.0/46



Right In: -53.812+/-90.369 χ^2/NDF: 19.2/20

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

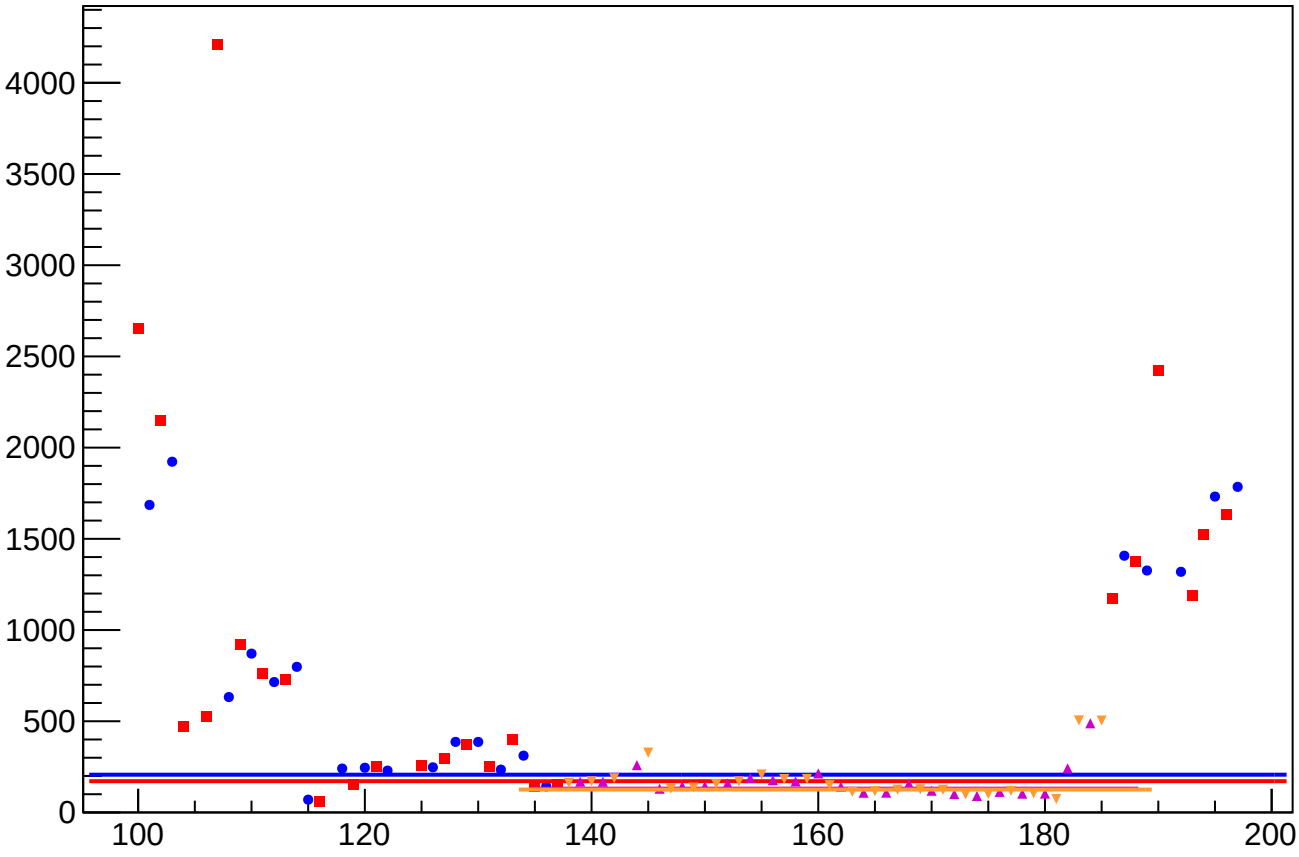
Right Out: -92.744+/-81.746 χ^2/NDF: 24.5/23

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.479+/-29.667 χ^2/NDF: 63.5/44

All: -86.322+/-21.177 χ^2/NDF: 108.4/91

- sign -56.030+/-30.239 χ^2/NDF: 43.0/46



Right In: 207.045+/-0.064 χ^2/NDF: 10089022.7/20

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 171.361+/-0.058 χ^2/NDF: 12639399.7/23

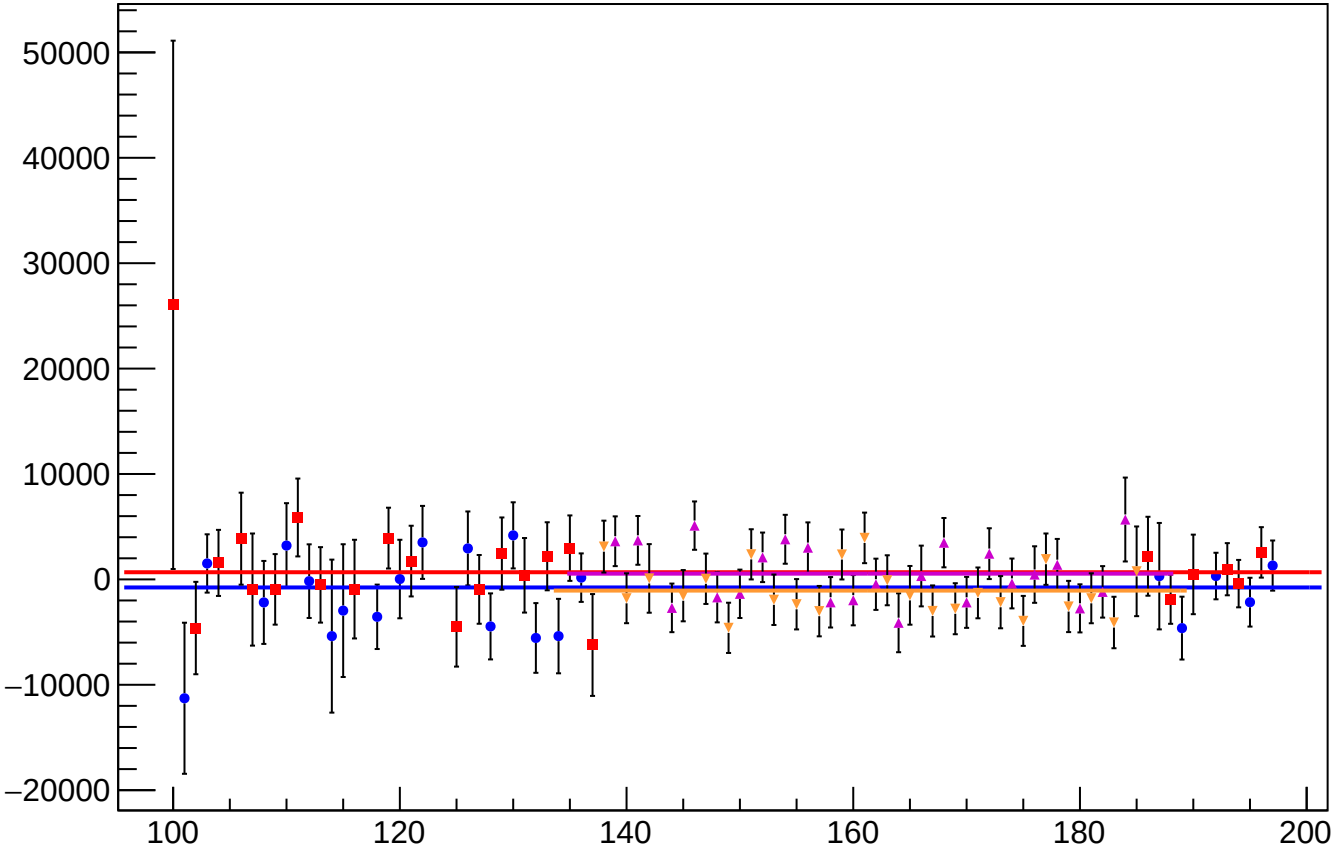
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 134.291+/-0.021 χ^2/NDF: 15485499.4/44

All: 135.153+/-0.015 χ^2/NDF: 31240080.6/91

- sign 136.049+/-0.021 χ^2/NDF: 15751135.5/46

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -765.610+/-701.747 χ^2/NDF: 18.9/20

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 678.672+/-678.722 χ^2/NDF: 14.4/23

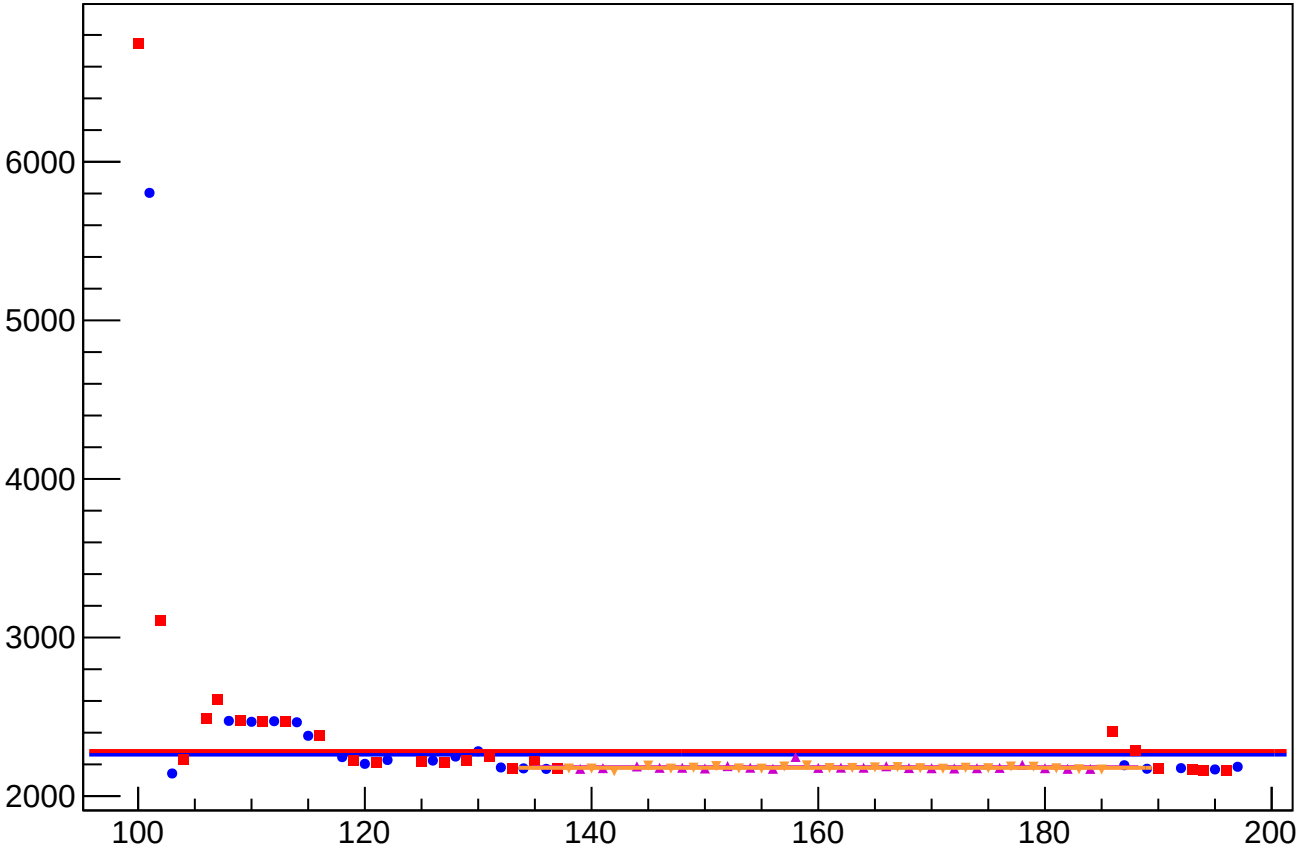
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -960.956+/-410.231 χ^2/NDF: 40.9/44

All: -178.814+/-289.083 χ^2/NDF: 90.5/91

- sign 592.696+/-407.433 χ^2/NDF: 42.4/46

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2261.910+/-0.496 χ^2/NDF: 530029.2/20

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

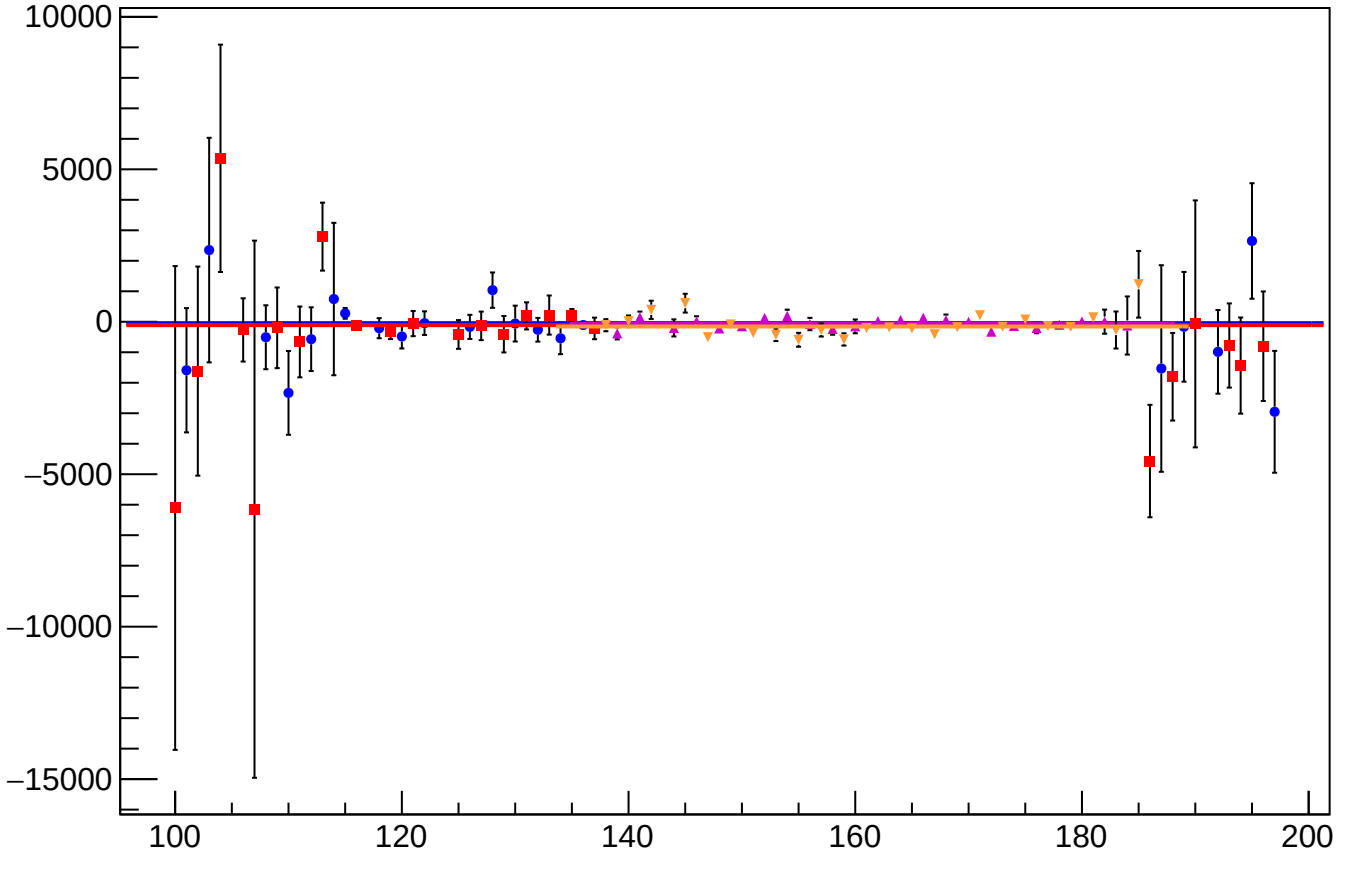
Right Out: 2284.150+/-0.480 χ^2/NDF: 192553.3/23

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2207.007+/-0.290 χ^2/NDF: 549083.5/44

All: 2212.911+/-0.204 χ^2/NDF: 773342.7/91

- sign 2218.735+/-0.288 χ^2/NDF: 223436.2/46



Right In: -45.612+/-91.840 χ^2/NDF: 18.9/20

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: -110.297+/-85.433 χ^2/NDF: 23.4/23

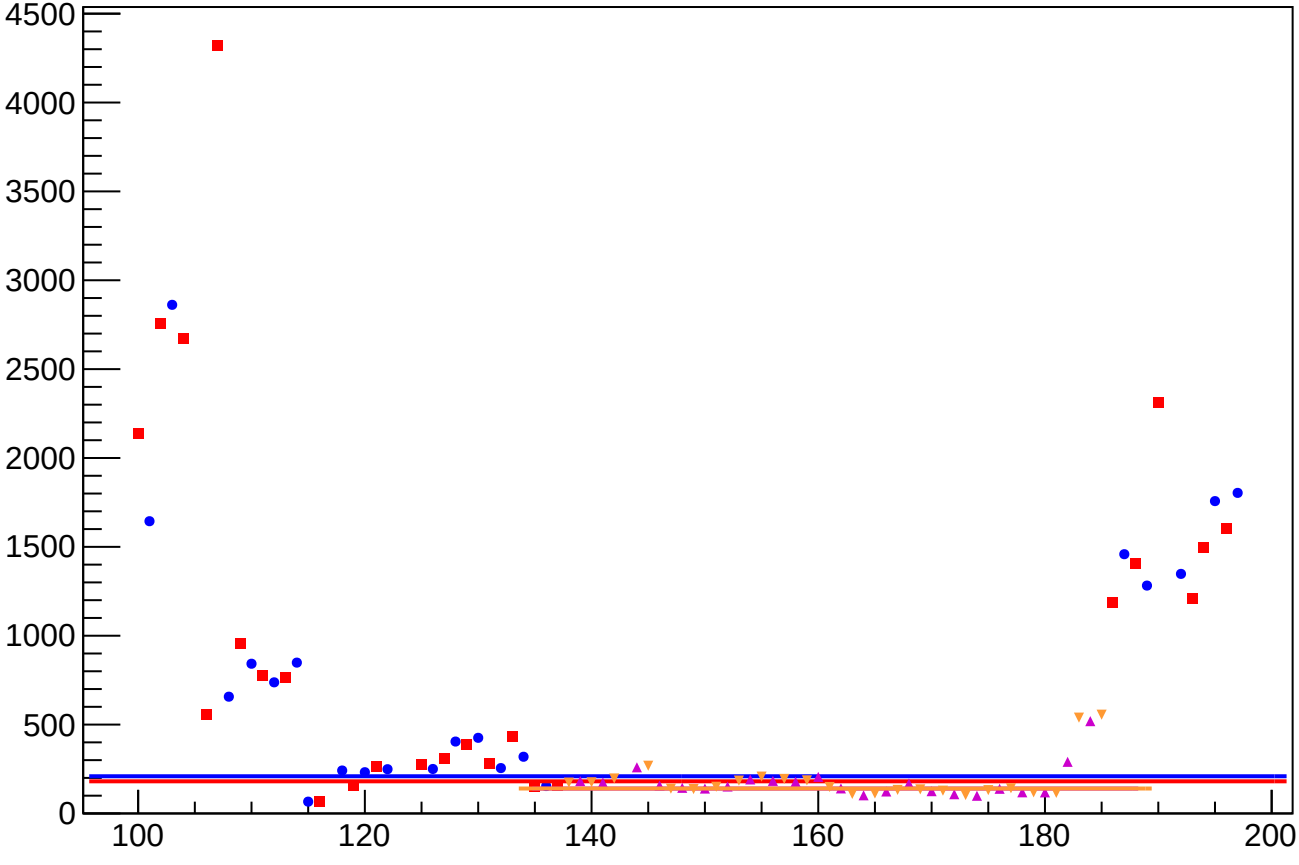
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -141.532+/-31.935 χ^2/NDF: 67.4/44

All: -108.423+/-22.517 χ^2/NDF: 112.0/91

- sign -75.689+/-31.754 χ^2/NDF: 42.5/46

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 209.277+/-0.065 χ^2/NDF: 10648502.6/20

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 180.849+/-0.060 χ^2/NDF: 13521909.4/23

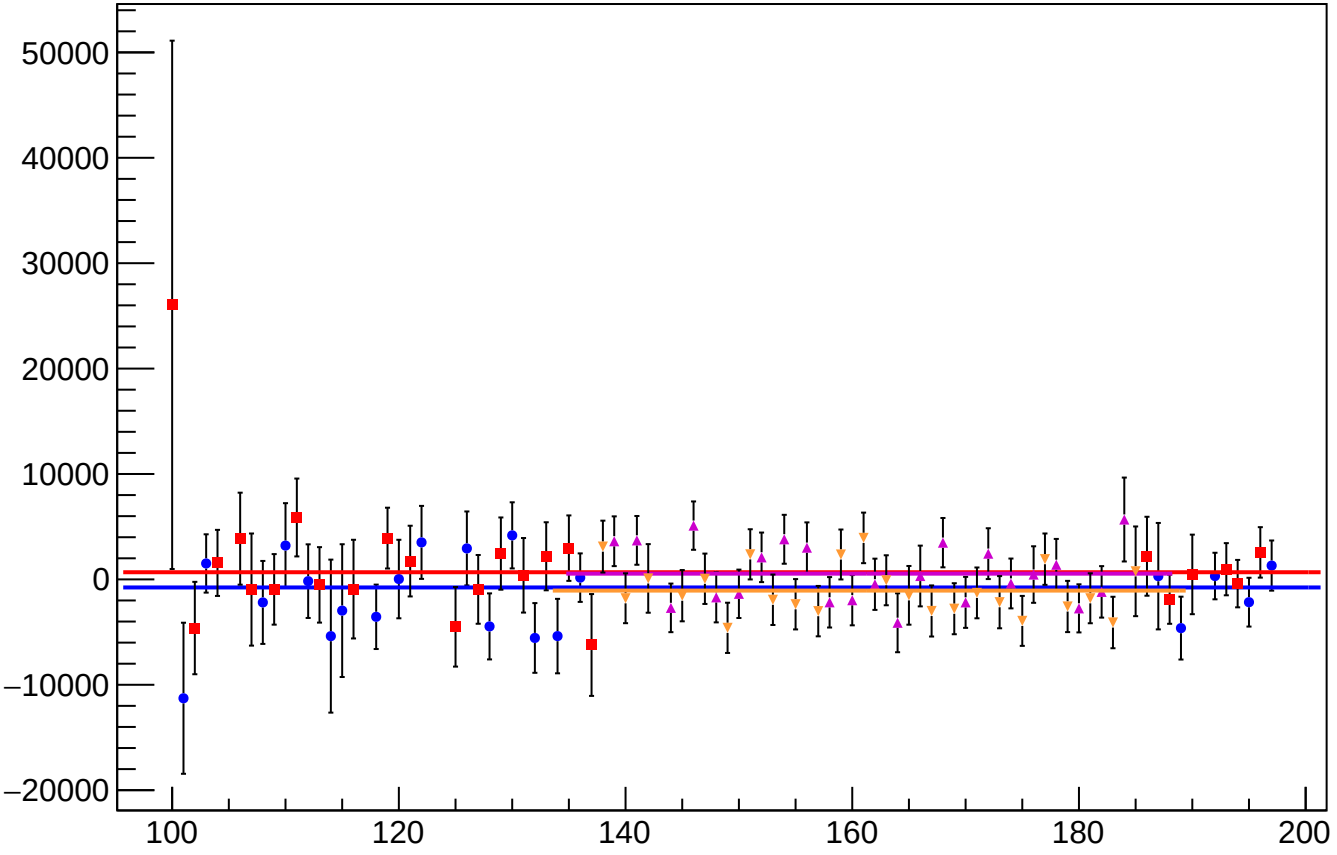
Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 148.657+/-0.023 χ^2/NDF: 14400014.6/44

All: 147.132+/-0.016 χ^2/NDF: 30737923.9/91

- sign 145.625+/-0.022 χ^2/NDF: 16328844.0/46

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -765.610+/-701.747 χ^2/NDF: 18.9/20

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 678.672+/-678.722 χ^2/NDF: 14.4/23

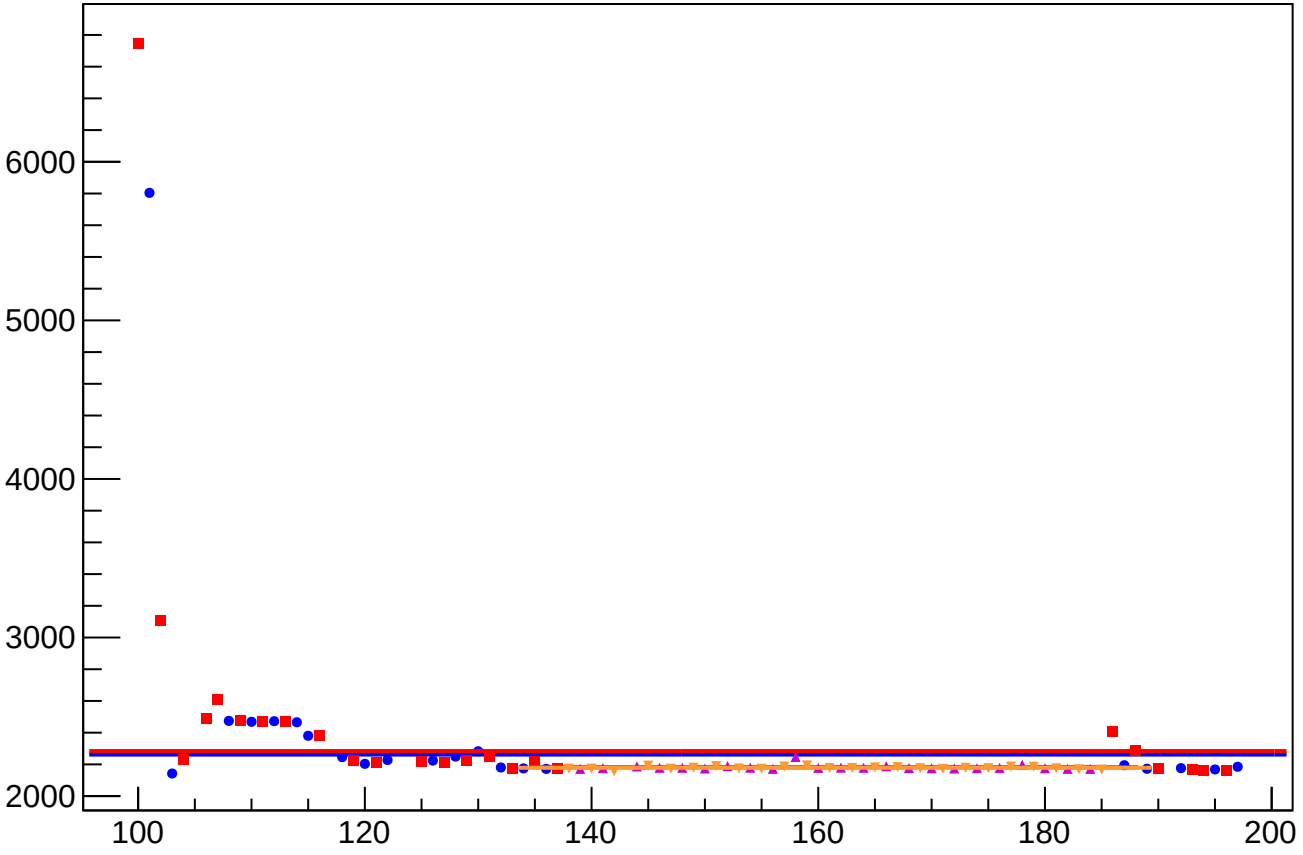
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -960.957+/-410.231 χ^2/NDF: 40.9/44

All: -178.815+/-289.083 χ^2/NDF: 90.5/91

- sign 592.695+/-407.433 χ^2/NDF: 42.4/46

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2261.910+/-0.496 χ^2/NDF: 530029.2/20

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

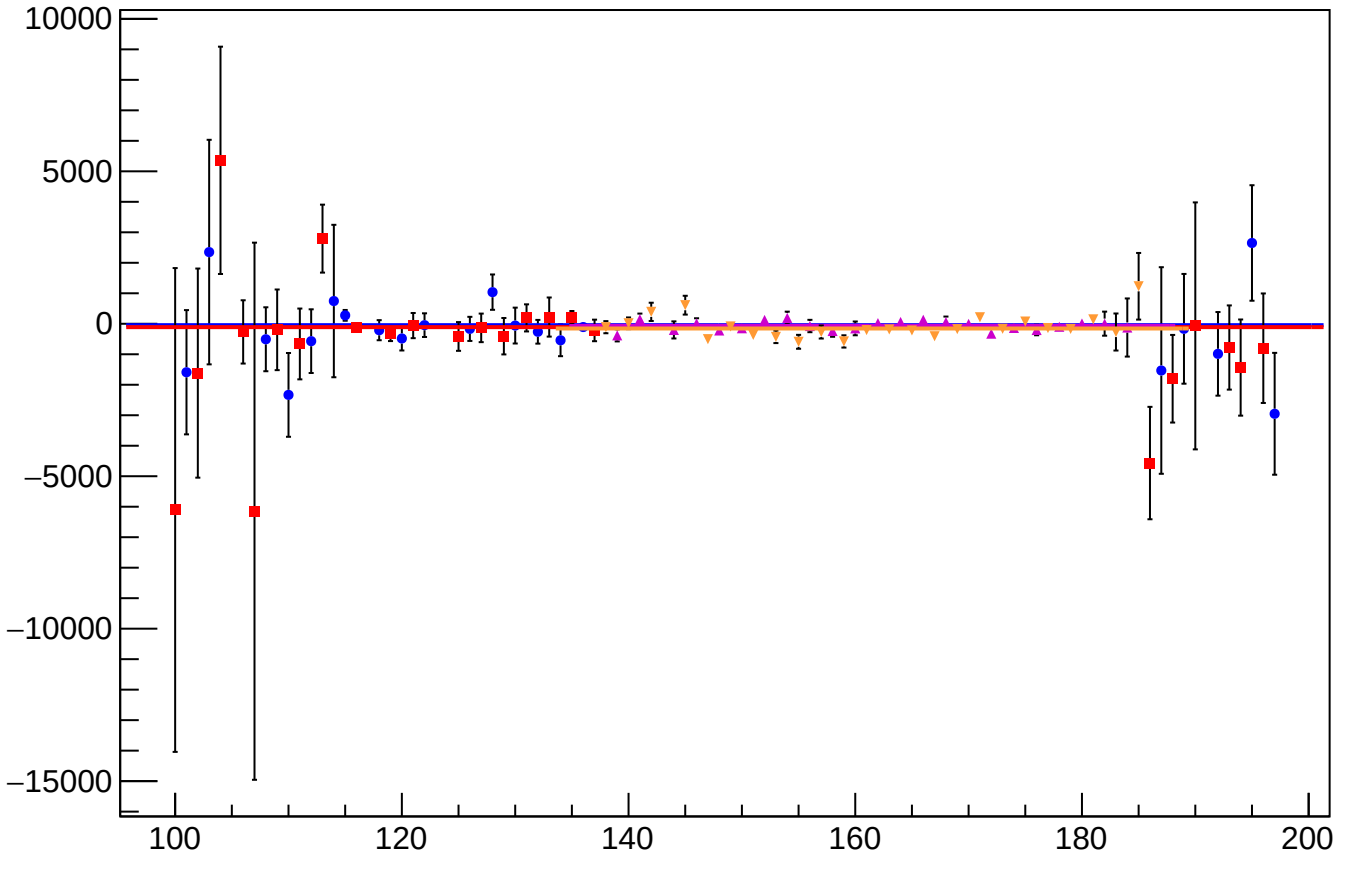
Right Out: 2284.150+/-0.480 χ^2/NDF: 192553.2/23

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2207.007+/-0.290 χ^2/NDF: 549083.6/44

All: 2212.911+/-0.204 χ^2/NDF: 773342.6/91

- sign 2218.735+/-0.288 χ^2/NDF: 223436.1/46



Right In: -45.609+/-91.839 χ^2/NDF: 18.9/20

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

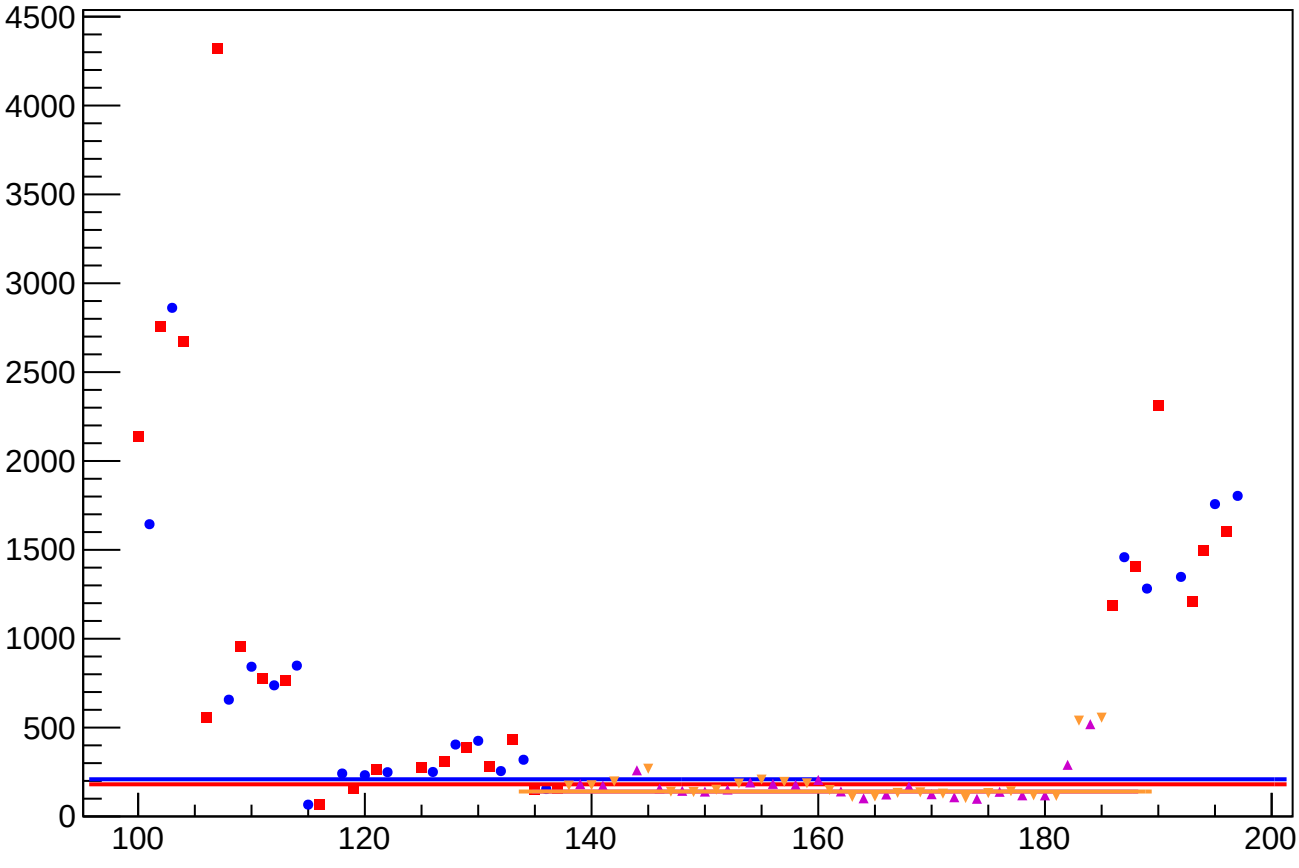
Right Out: -110.297+/-85.432 χ^2/NDF: 23.4/23

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -141.532+/-31.935 χ^2/NDF: 67.4/44

All: -108.423+/-22.517 χ^2/NDF: 112.0/91

- sign -75.688+/-31.754 χ^2/NDF: 42.5/46



Right In: 209.274+/-0.065 χ^2/NDF: 10648557.6/20

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 180.846+/-0.060 χ^2/NDF: 13521991.2/23

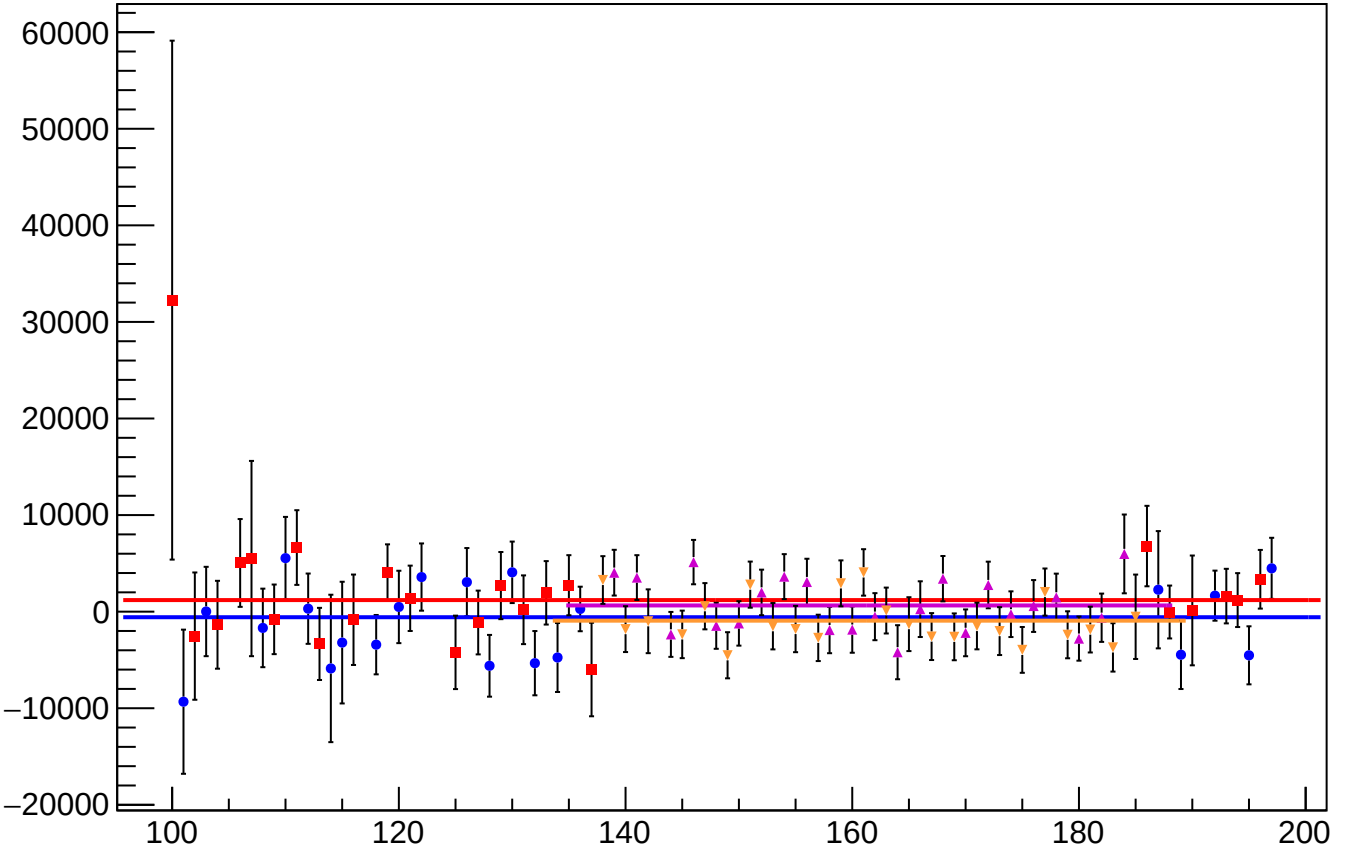
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 148.657+/-0.023 χ^2/NDF: 14399997.4/44

All: 147.132+/-0.016 χ^2/NDF: 30737997.6/91

- sign 145.625+/-0.022 χ^2/NDF: 16328933.2/46

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -576.419+/-776.780 χ^2/NDF: 22.3/20

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1198.183+/-757.353 χ^2/NDF: 15.7/23

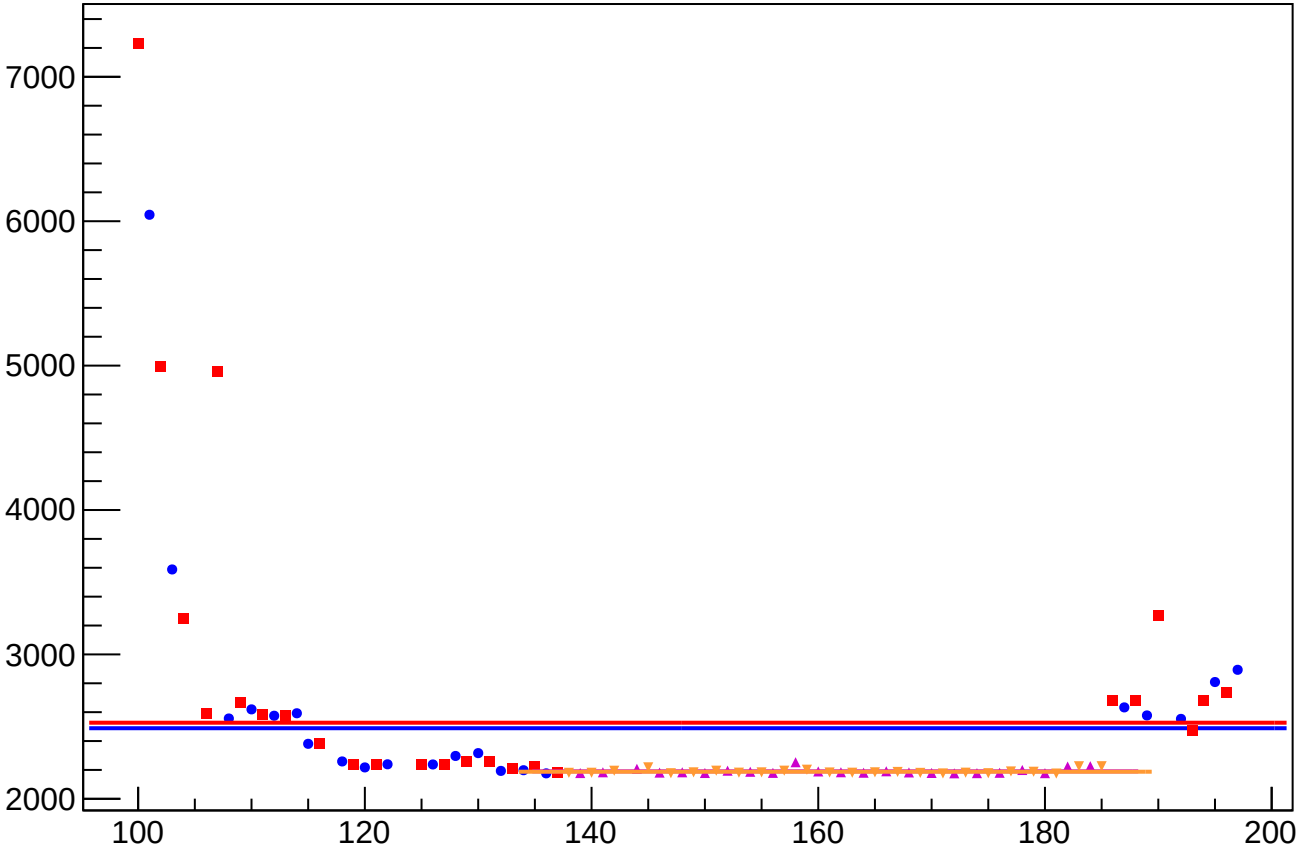
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -825.563+/-424.988 χ^2/NDF: 44.8/44

All: -2.152+/-300.094 χ^2/NDF: 95.3/91

- sign 816.696+/-423.809 χ^2/NDF: 43.0/46

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2488.775+/-0.549 χ^2/NDF: 751555.1/20

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

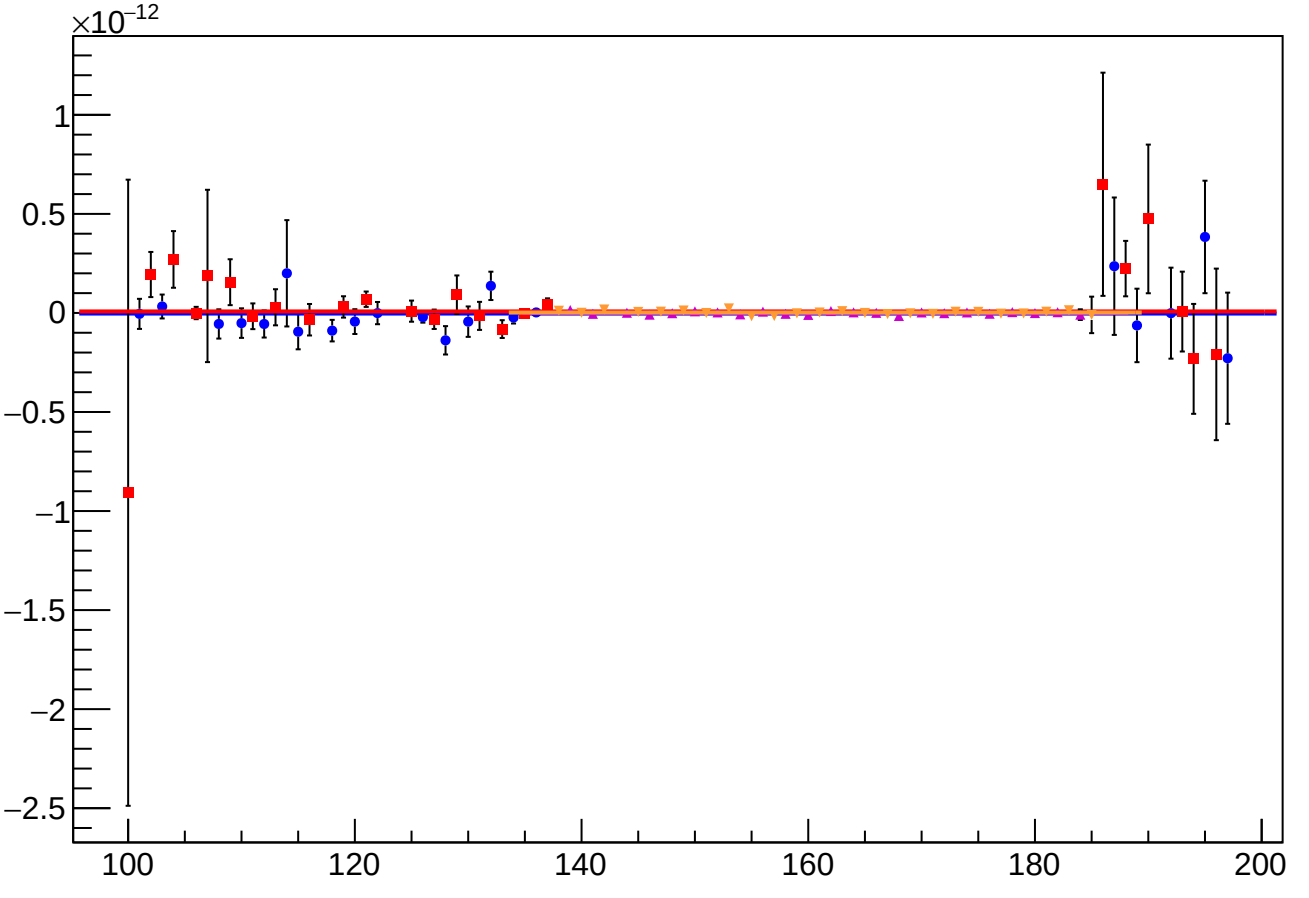
Right Out: 2526.995+/-0.536 χ^2/NDF: 706120.4/23

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2277.766+/-0.301 χ^2/NDF: 963528.9/44

All: 2286.728+/-0.212 χ^2/NDF: 1945689.9/91

- sign 2295.640+/-0.300 χ^2/NDF: 980387.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

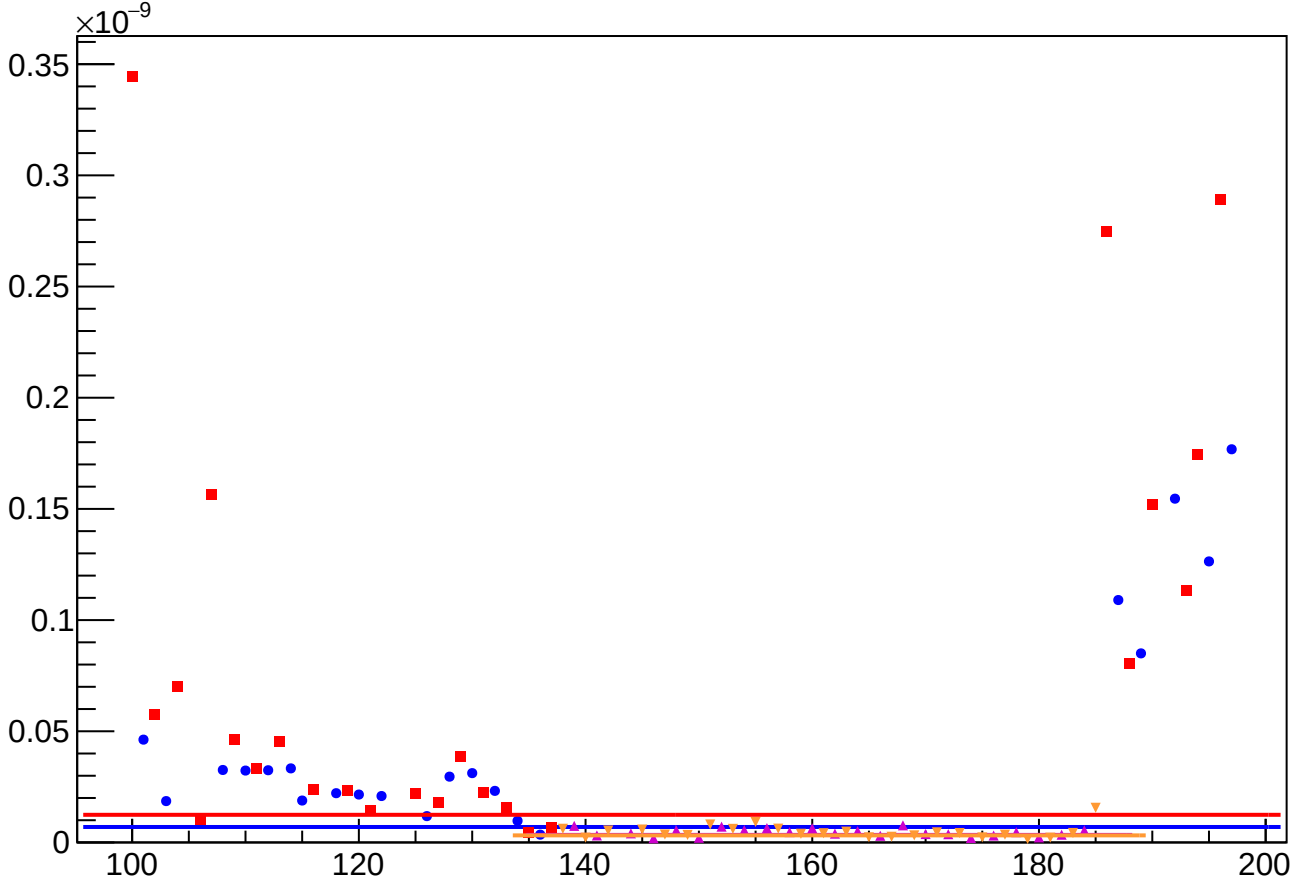
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/23

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.5/44

All: 0.000+/-0.000 χ^2/NDF: 77.8/91

- sign 0.000+/-0.000 χ^2/NDF: 39.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 5096924.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

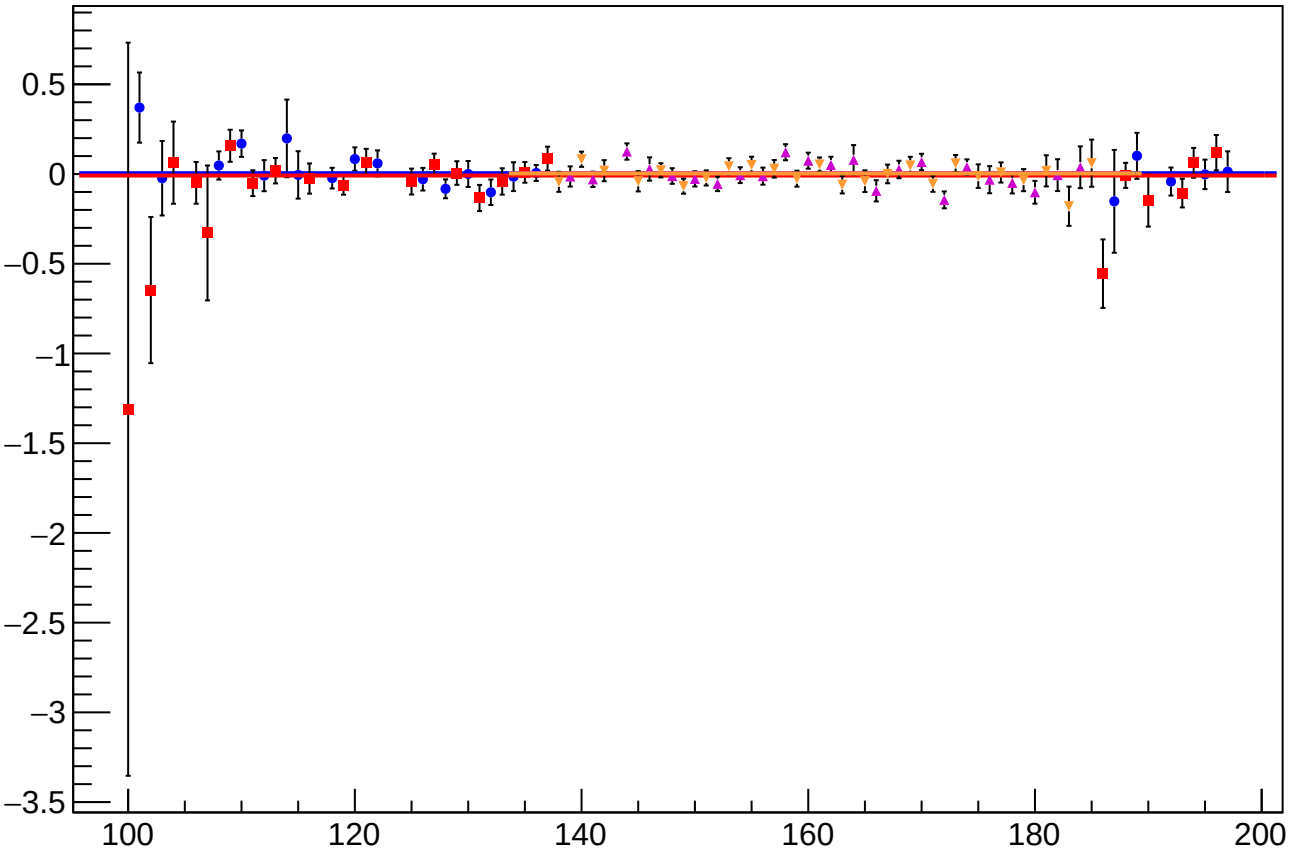
Right Out: 0.000+/-0.000 χ^2/NDF: 5908682.4/23

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7845139.3/44

All: 0.000+/-0.000 χ^2/NDF: 17169669.7/91

- sign 0.000+/-0.000 χ^2/NDF: 9296155.8/46



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/20

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

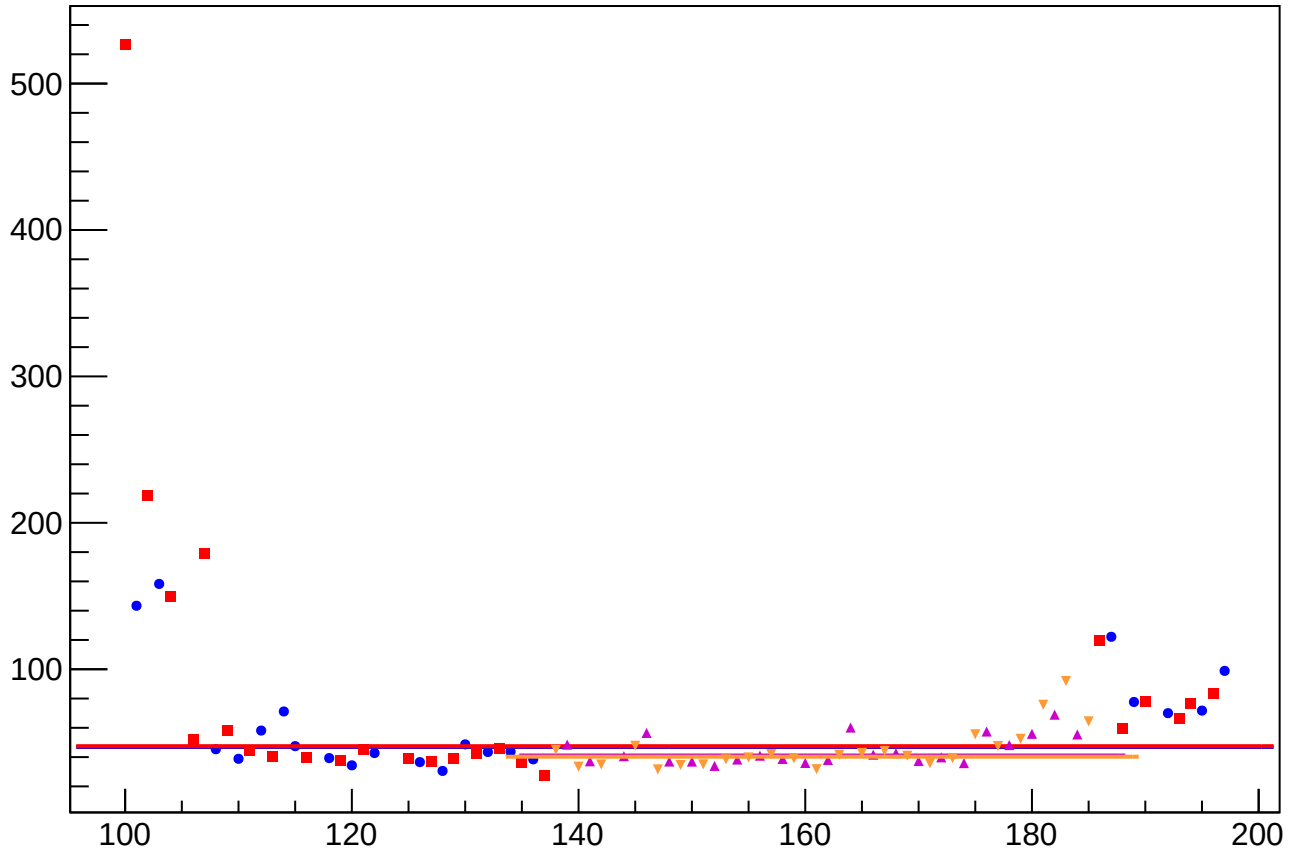
Right Out: -0.008+/-0.017 χ^2/NDF: 29.3/23

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/44

All: 0.002+/-0.006 χ^2/NDF: 111.6/91

- sign 0.001+/-0.009 χ^2/NDF: 71.3/46



Right In: 46.934+/-0.012 χ^2/NDF: 2621119.0/20

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

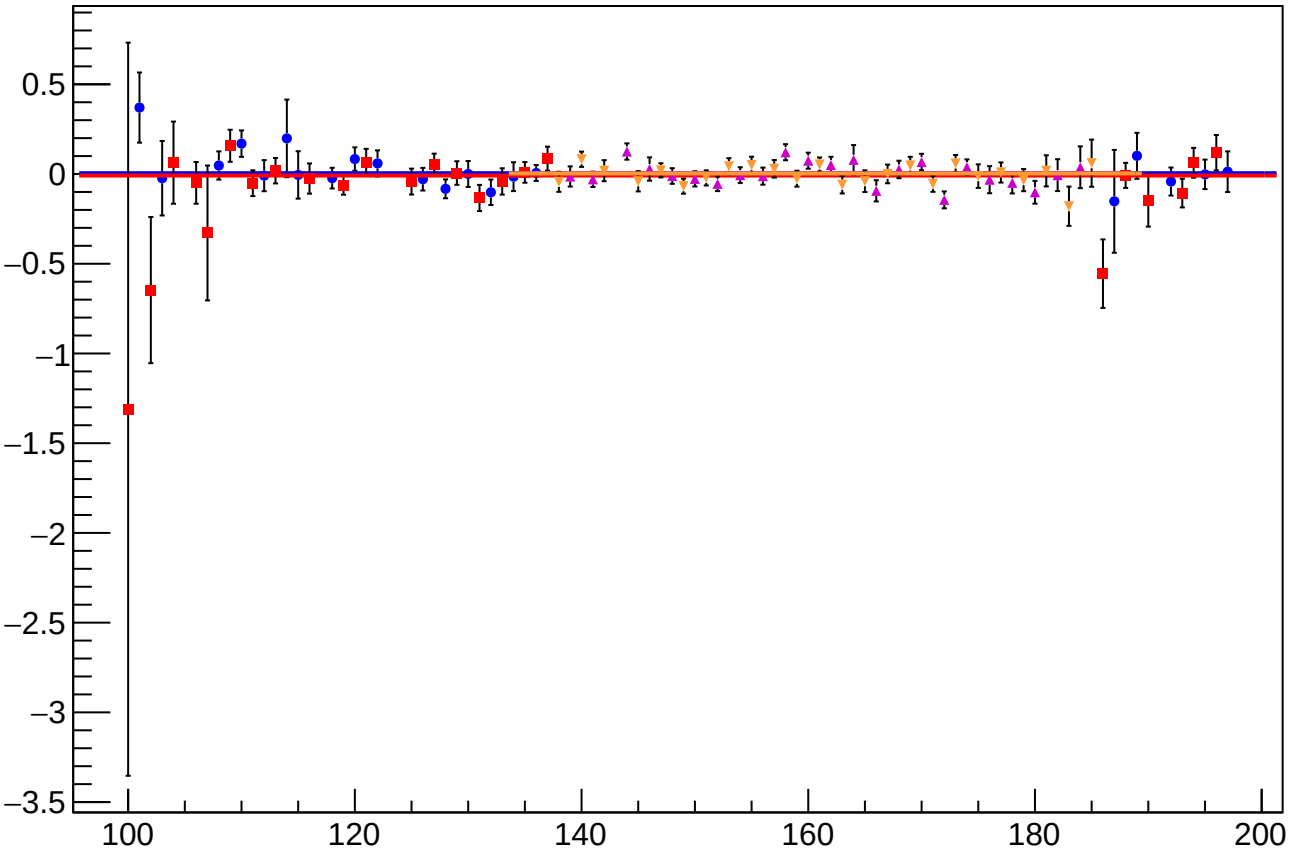
Right Out: 47.456+/-0.012 χ^2/NDF: 2682740.2/23

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 42.083+/-0.006 χ^2/NDF: 4333841.6/44

All: 42.488+/-0.004 χ^2/NDF: 8159681.3/91

- sign 42.901+/-0.006 χ^2/NDF: 3817384.2/46



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/20

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

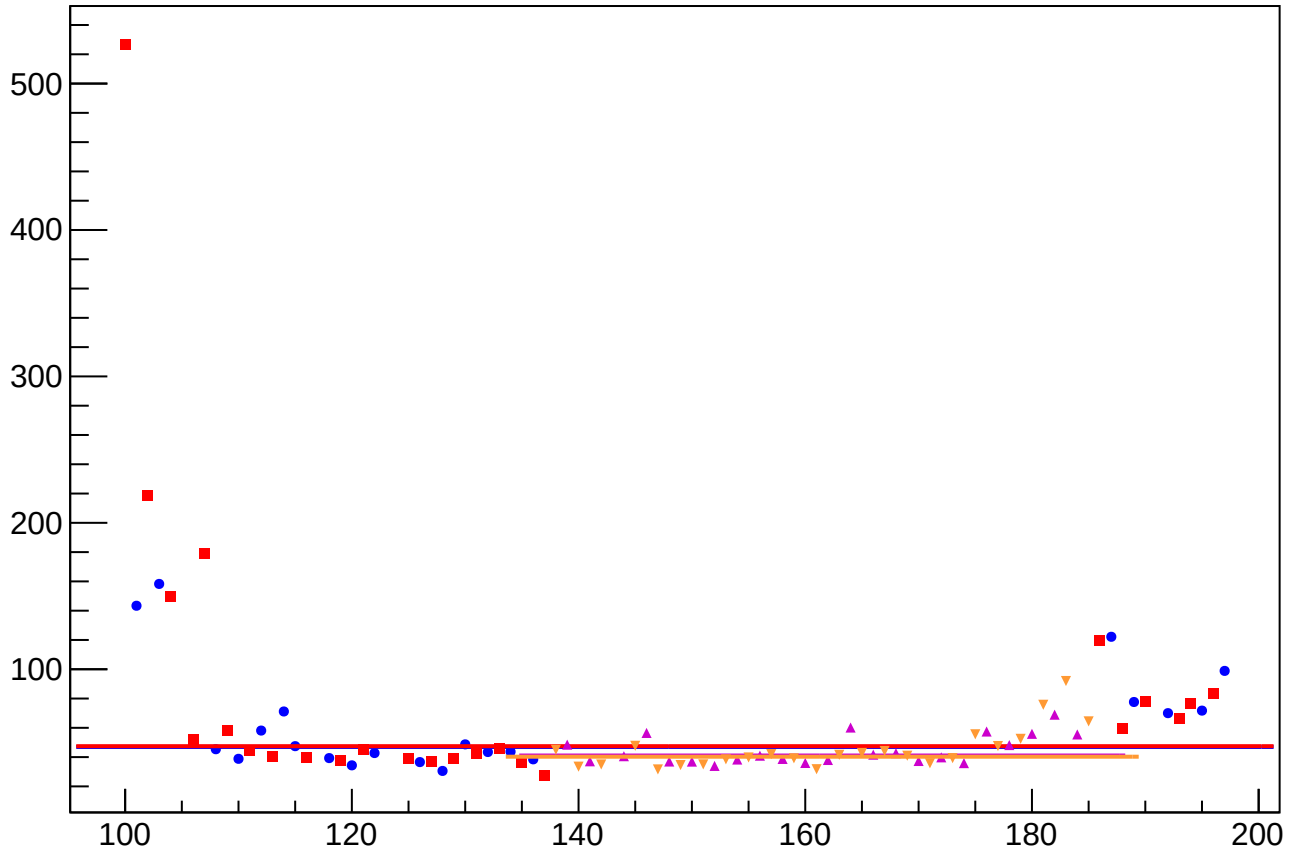
Right Out: -0.008+/-0.017 χ^2/NDF: 29.3/23

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/44

All: 0.002+/-0.006 χ^2/NDF: 111.6/91

- sign 0.001+/-0.009 χ^2/NDF: 71.3/46



Right In: 46.934+/-0.012 χ^2/NDF: 2621119.0/20

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

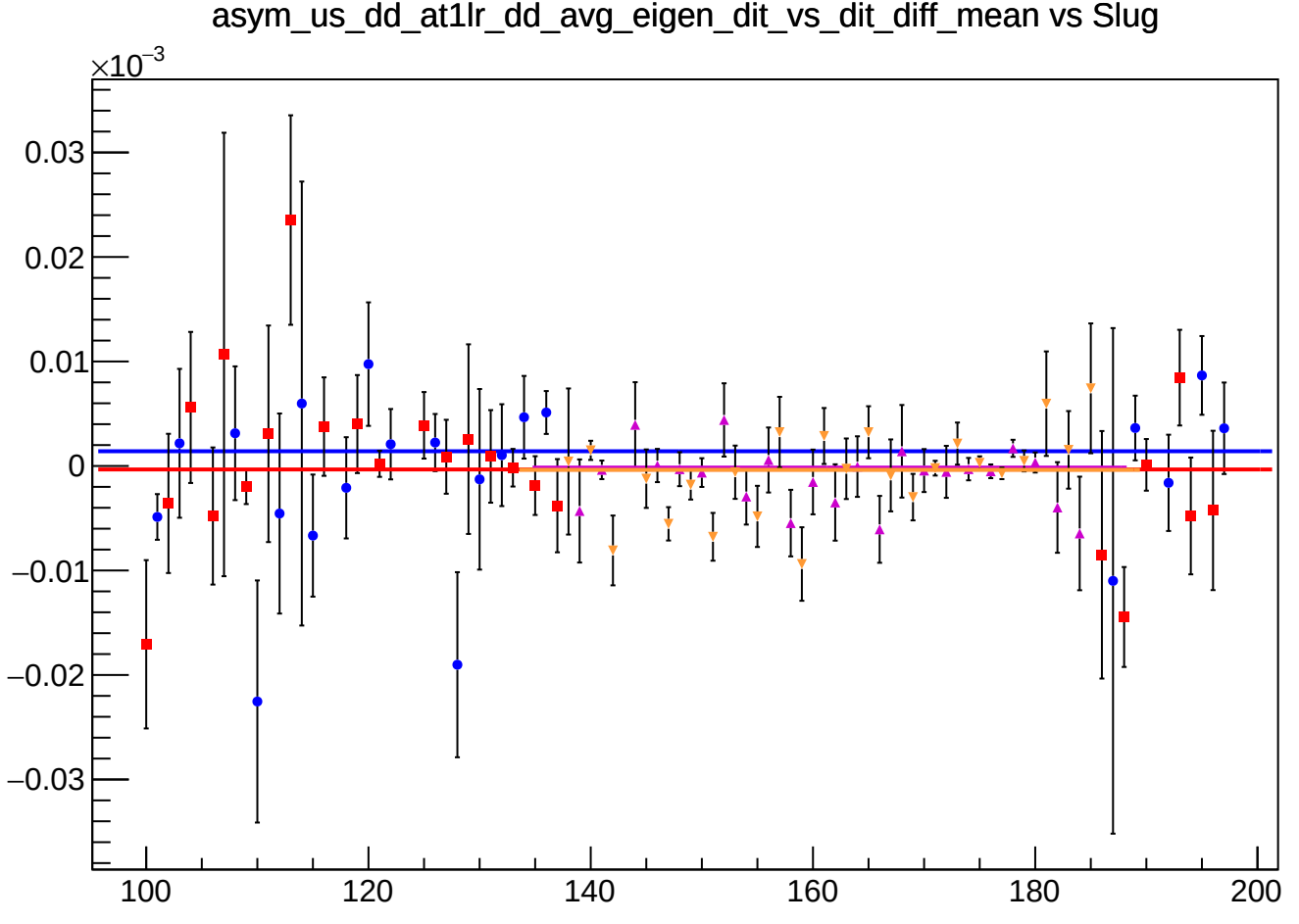
Right Out: 47.456+/-0.012 χ^2/NDF: 2682740.2/23

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 42.083+/-0.006 χ^2/NDF: 4333841.6/44

All: 42.488+/-0.004 χ^2/NDF: 8159681.3/91

- sign 42.901+/-0.006 χ^2/NDF: 3817384.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

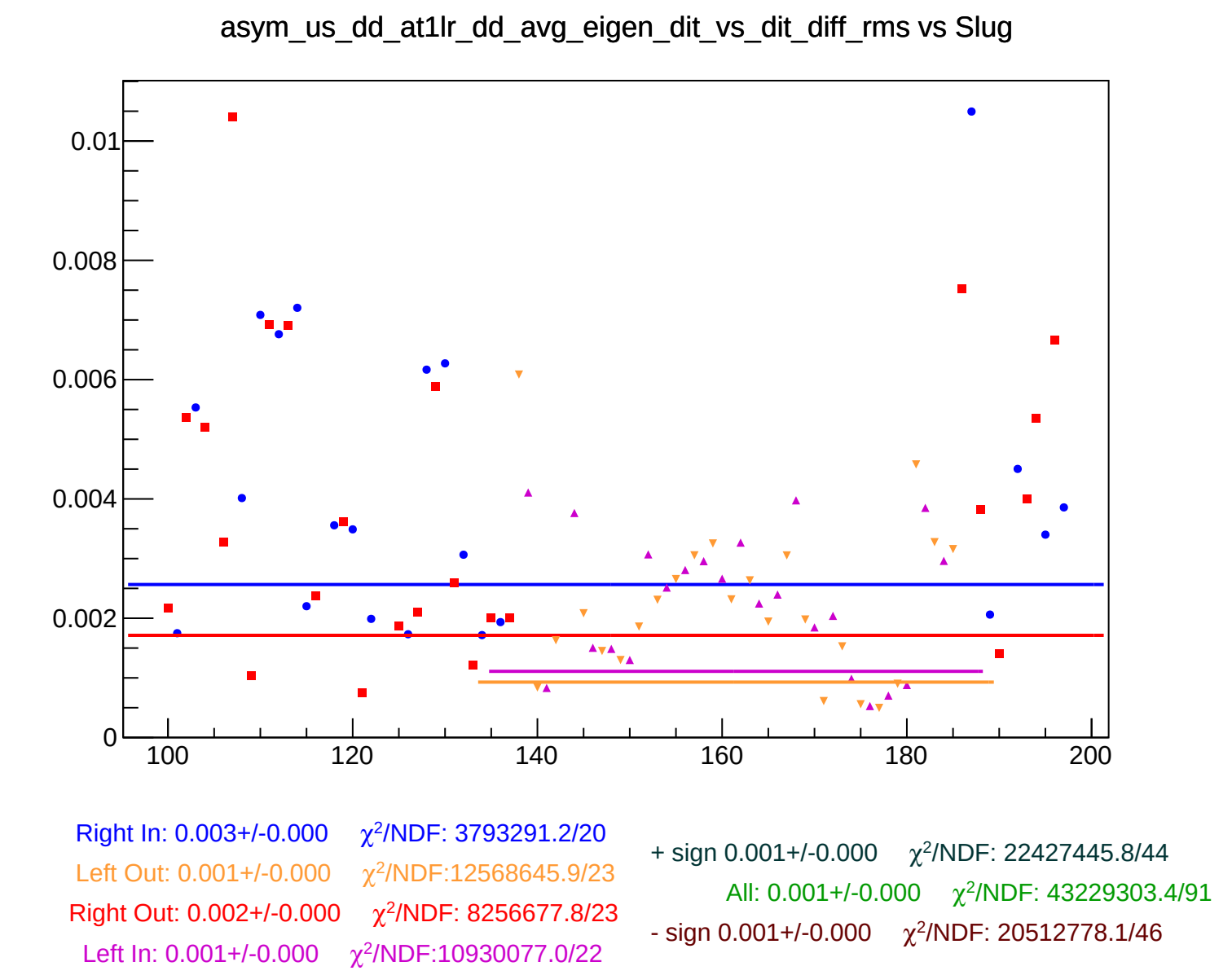
Right Out: -0.000+/-0.000 χ^2/NDF: 31.3/23

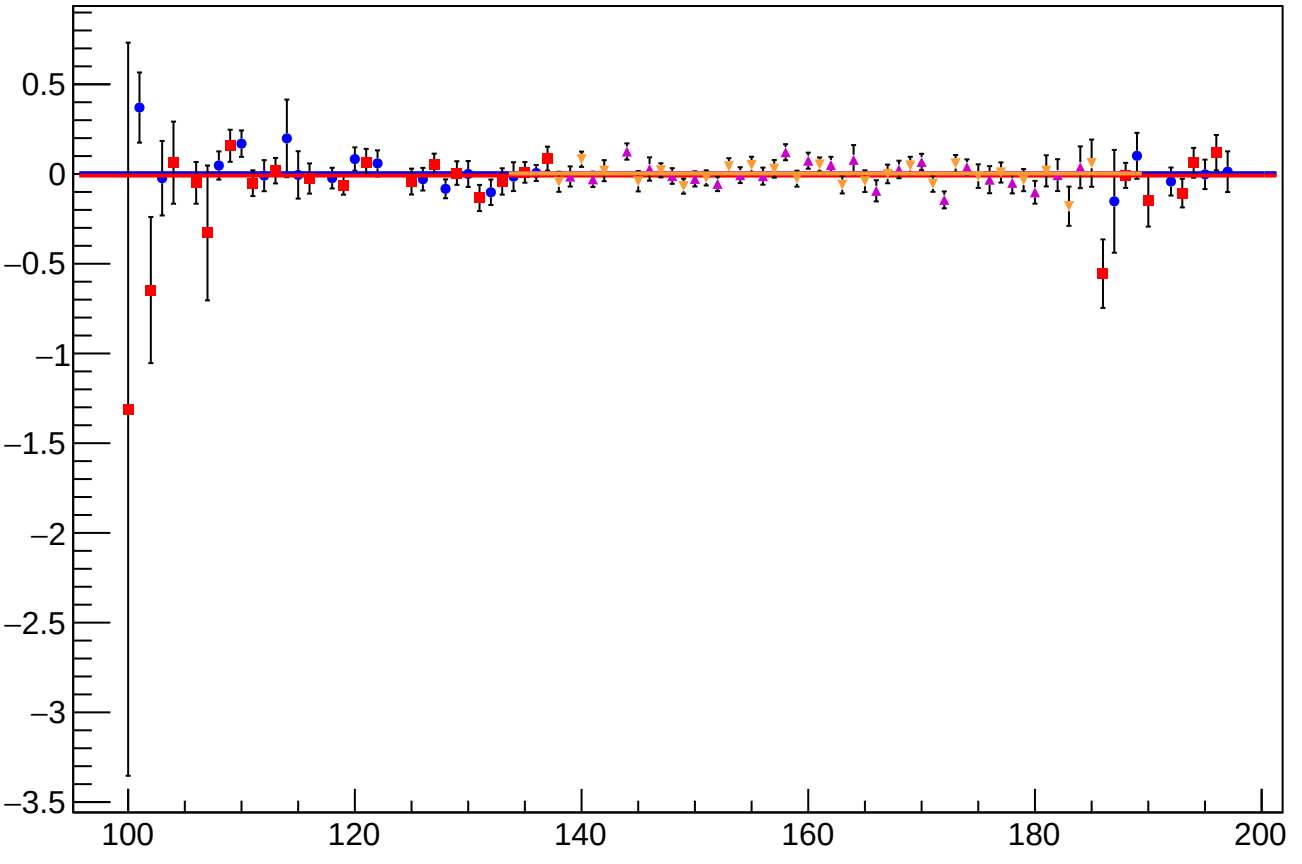
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 86.9/44

All: -0.000+/-0.000 χ^2/NDF: 138.2/91

- sign -0.000+/-0.000 χ^2/NDF: 51.3/46


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 3793291.2/20
Left Out: 0.001+/-0.000 χ²/NDF:12568645.9/23
Right Out: 0.002+/-0.000 χ²/NDF: 8256677.8/23
Left In: 0.001+/-0.000 χ²/NDF:10930077.0/22
+ sign 0.001+/-0.000 χ²/NDF: 22427445.8/44
All: 0.001+/-0.000 χ²/NDF: 43229303.4/91
- sign 0.001+/-0.000 χ²/NDF: 20512778.1/46



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/20

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

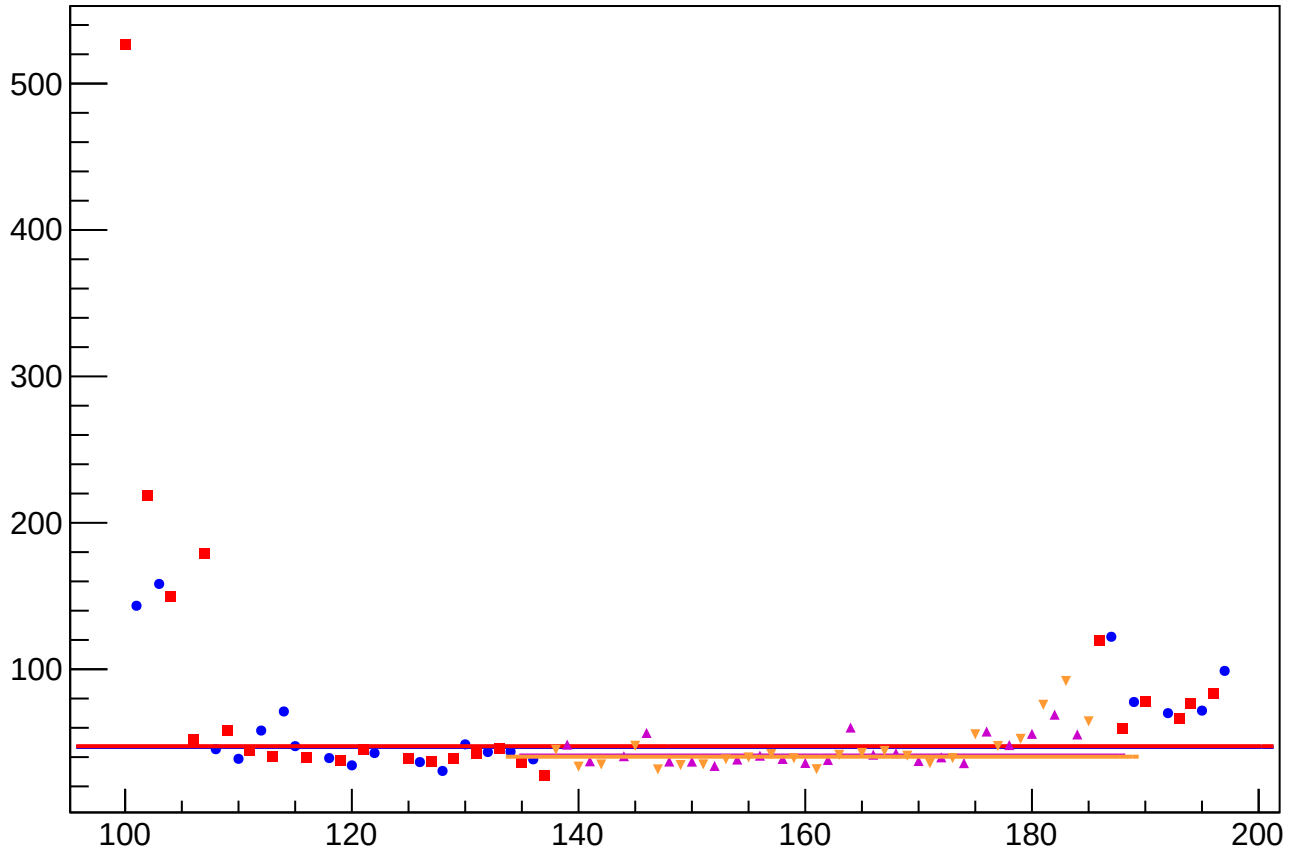
Right Out: -0.008+/-0.017 χ^2/NDF: 29.3/23

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/44

All: 0.002+/-0.006 χ^2/NDF: 111.6/91

- sign 0.001+/-0.009 χ^2/NDF: 71.3/46



Right In: 46.932+/-0.012 χ^2/NDF: 2621477.8/20

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

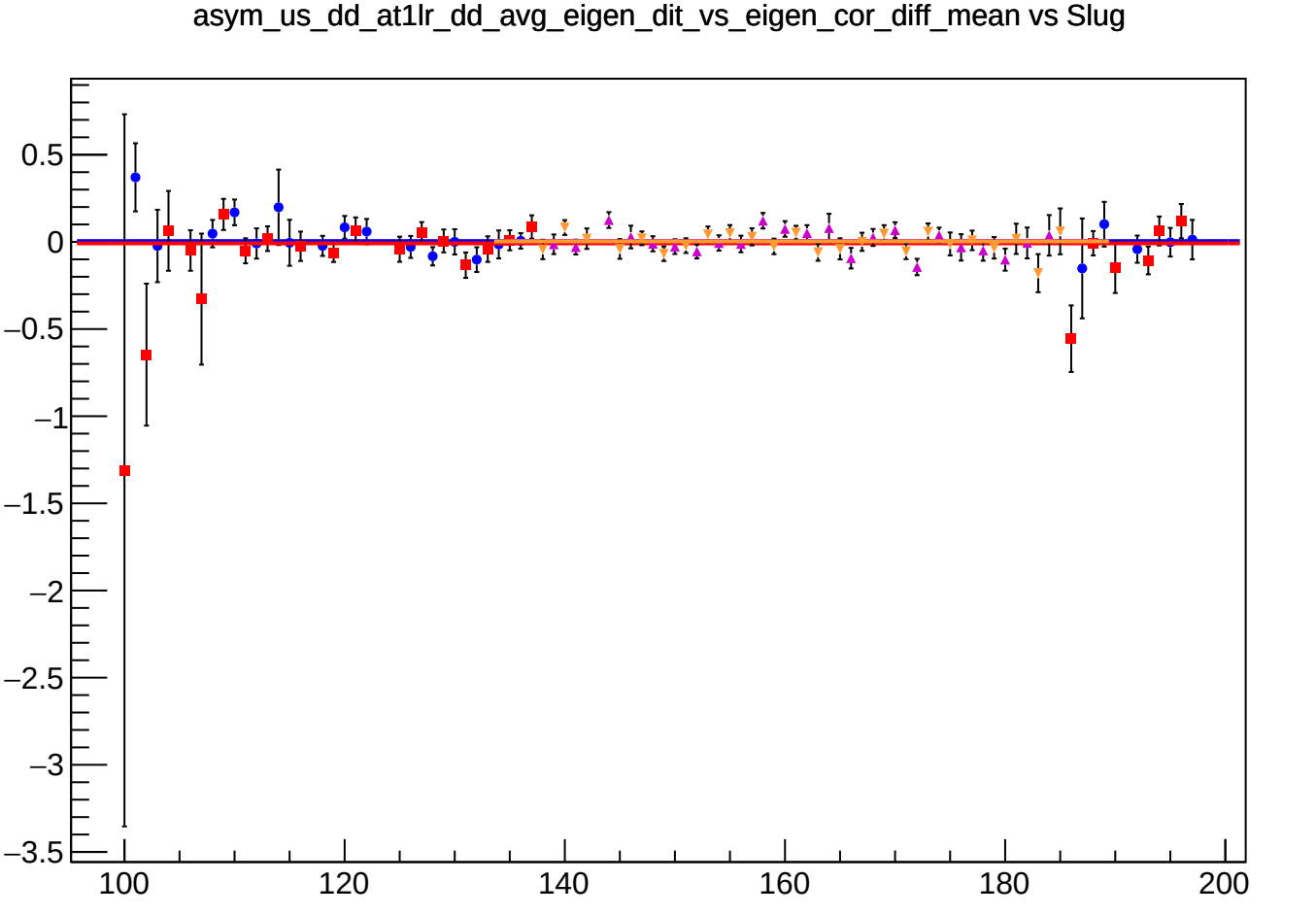
Right Out: 47.456+/-0.012 χ^2/NDF: 2682734.0/23

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

\+ sign 42.083+/-0.006 χ^2/NDF: 4334022.5/44

All: 42.488+/-0.004 χ^2/NDF: 8159940.8/91

\- sign 42.901+/-0.006 χ^2/NDF: 3817449.4/46



Right In: 0.005+/-0.017 χ^2/NDF: 18.5/20

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.008+/-0.017 χ^2/NDF: 29.3/23

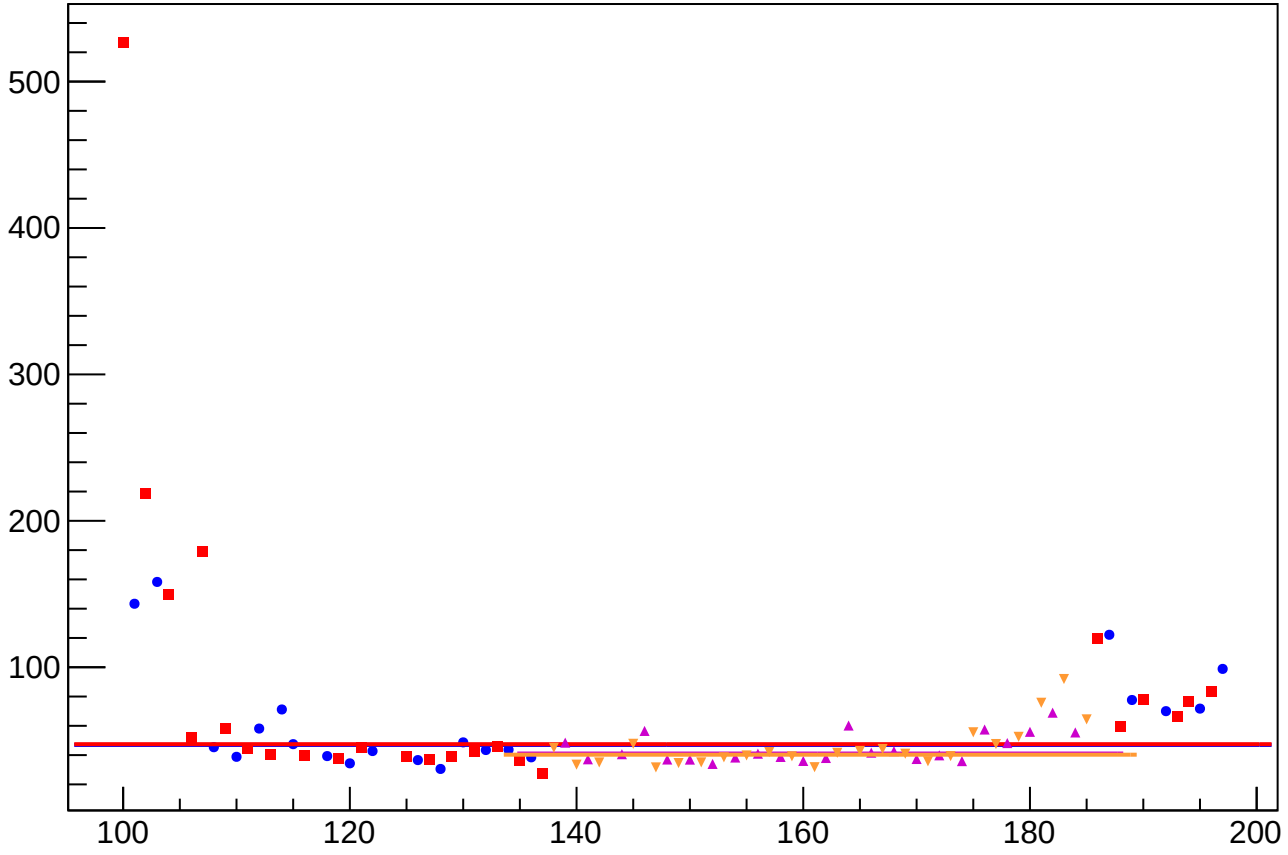
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/44

All: 0.002+/-0.006 χ^2/NDF: 111.6/91

- sign 0.001+/-0.009 χ^2/NDF: 71.3/46

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.932+/-0.012 χ^2/NDF: 2621477.8/20

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

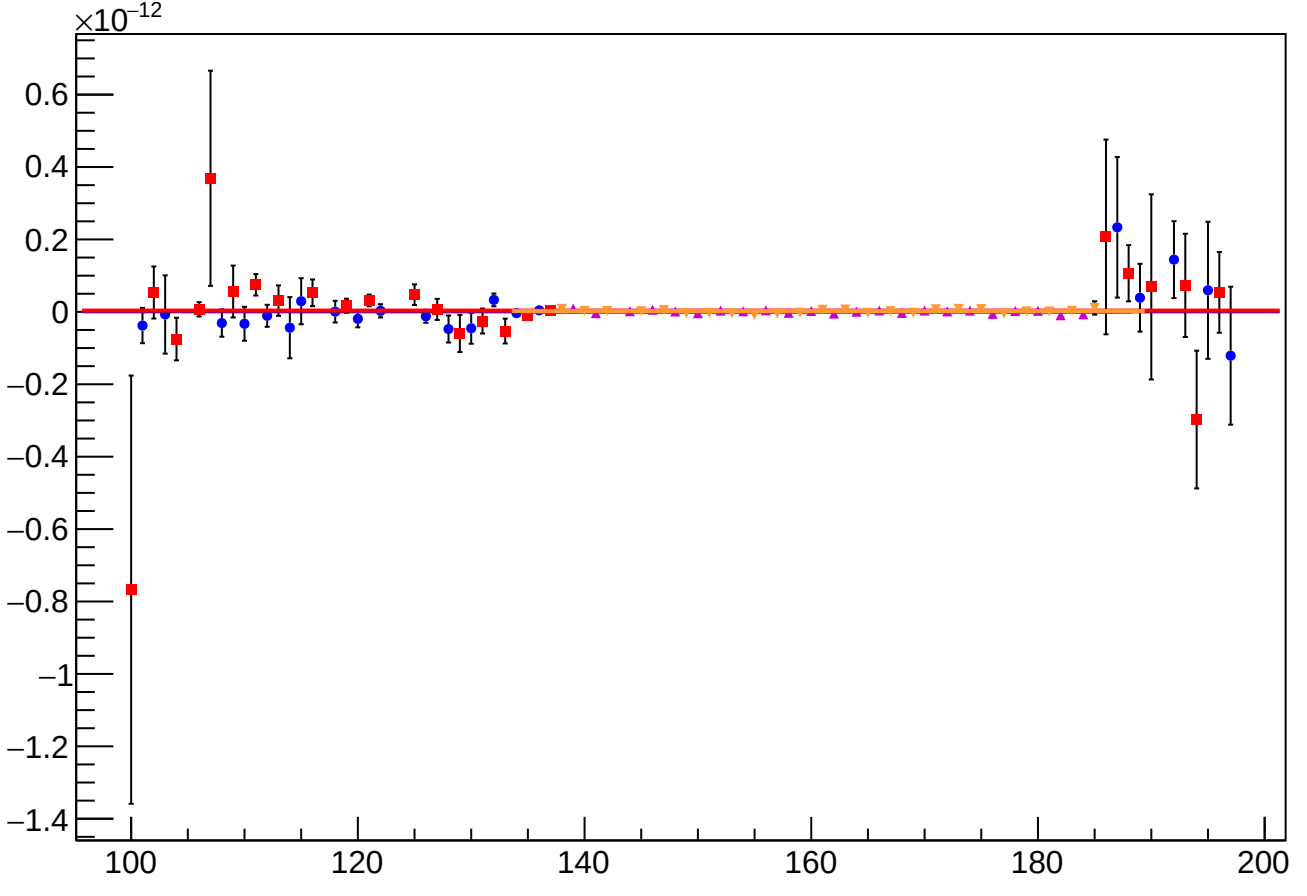
Right Out: 47.456+/-0.012 χ^2/NDF: 2682734.0/23

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 42.083+/-0.006 χ^2/NDF: 4334022.5/44

All: 42.488+/-0.004 χ^2/NDF: 8159940.8/91

- sign 42.901+/-0.006 χ^2/NDF: 3817449.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

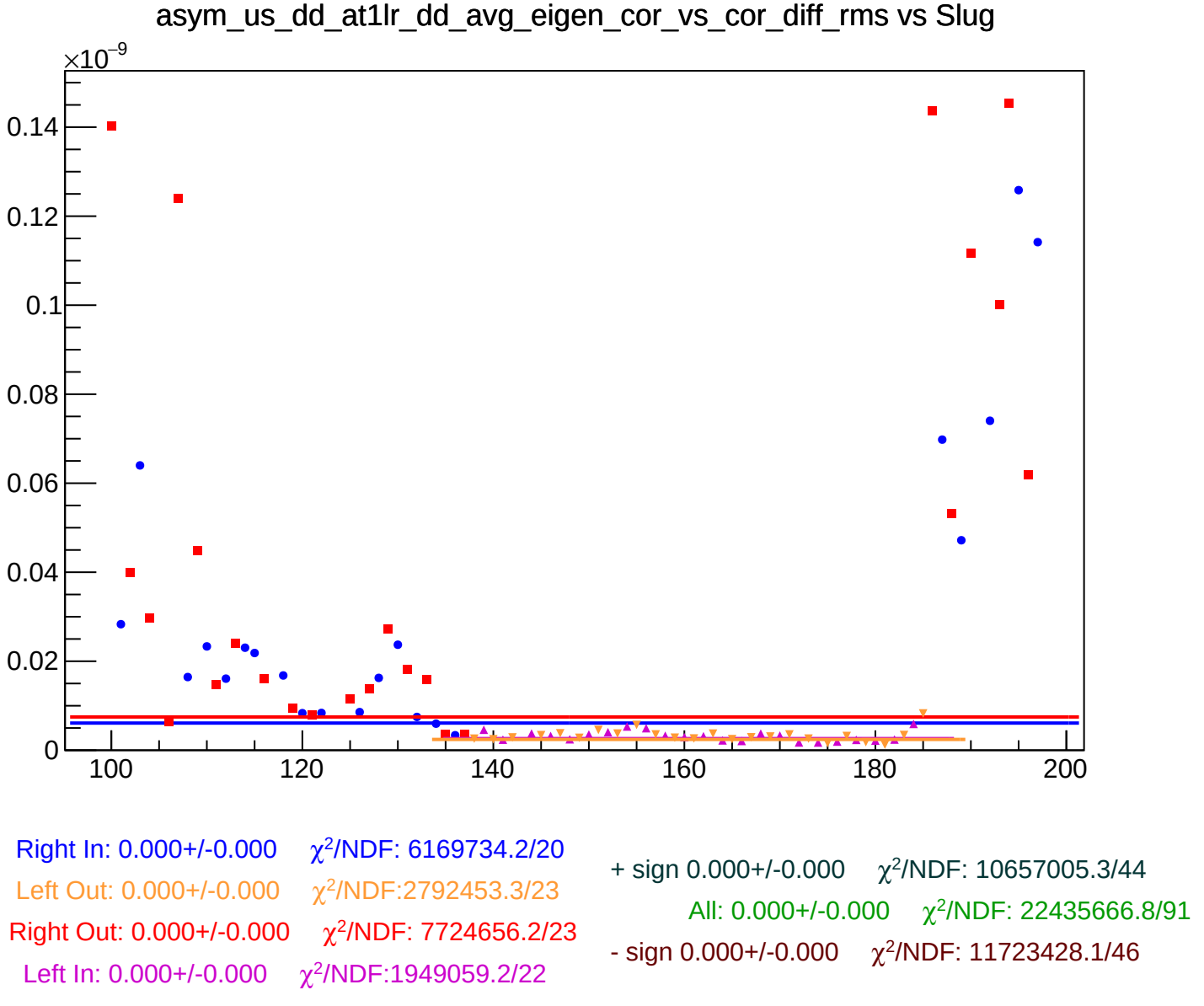
Right Out: 0.000+/-0.000 χ^2/NDF: 34.2/23

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

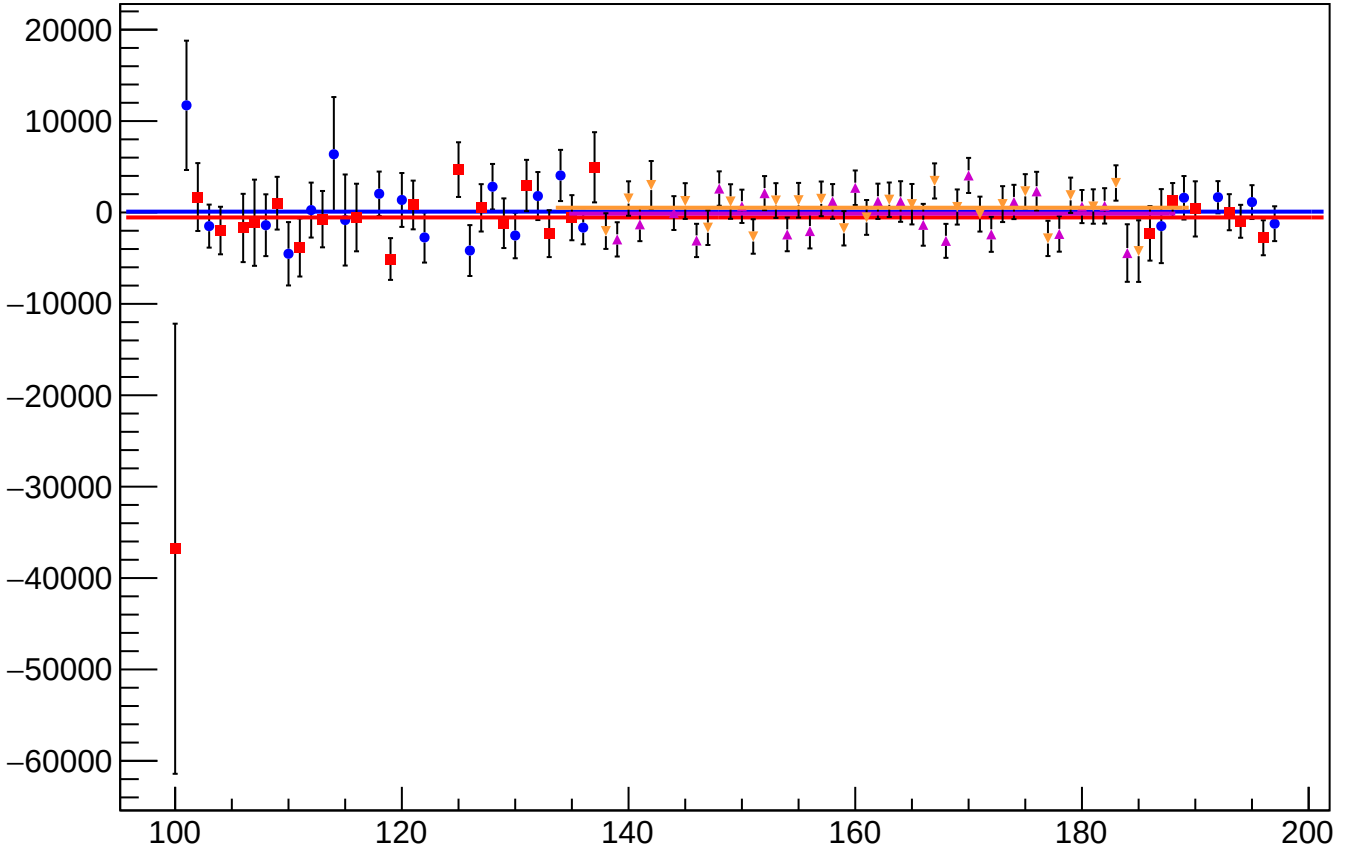
+ sign 0.000+/-0.000 χ^2/NDF: 39.6/44

All: 0.000+/-0.000 χ^2/NDF: 99.3/91

- sign 0.000+/-0.000 χ^2/NDF: 57.7/46


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6169734.2/20
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 7724656.2/23
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10657005.3/44
All: 0.000+/-0.000 χ²/NDF: 22435666.8/91
- sign 0.000+/-0.000 χ²/NDF: 11723428.1/46

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 89.773+/-566.554 χ^2/NDF: 18.2/20

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -543.771+/-548.702 χ^2/NDF: 18.8/23

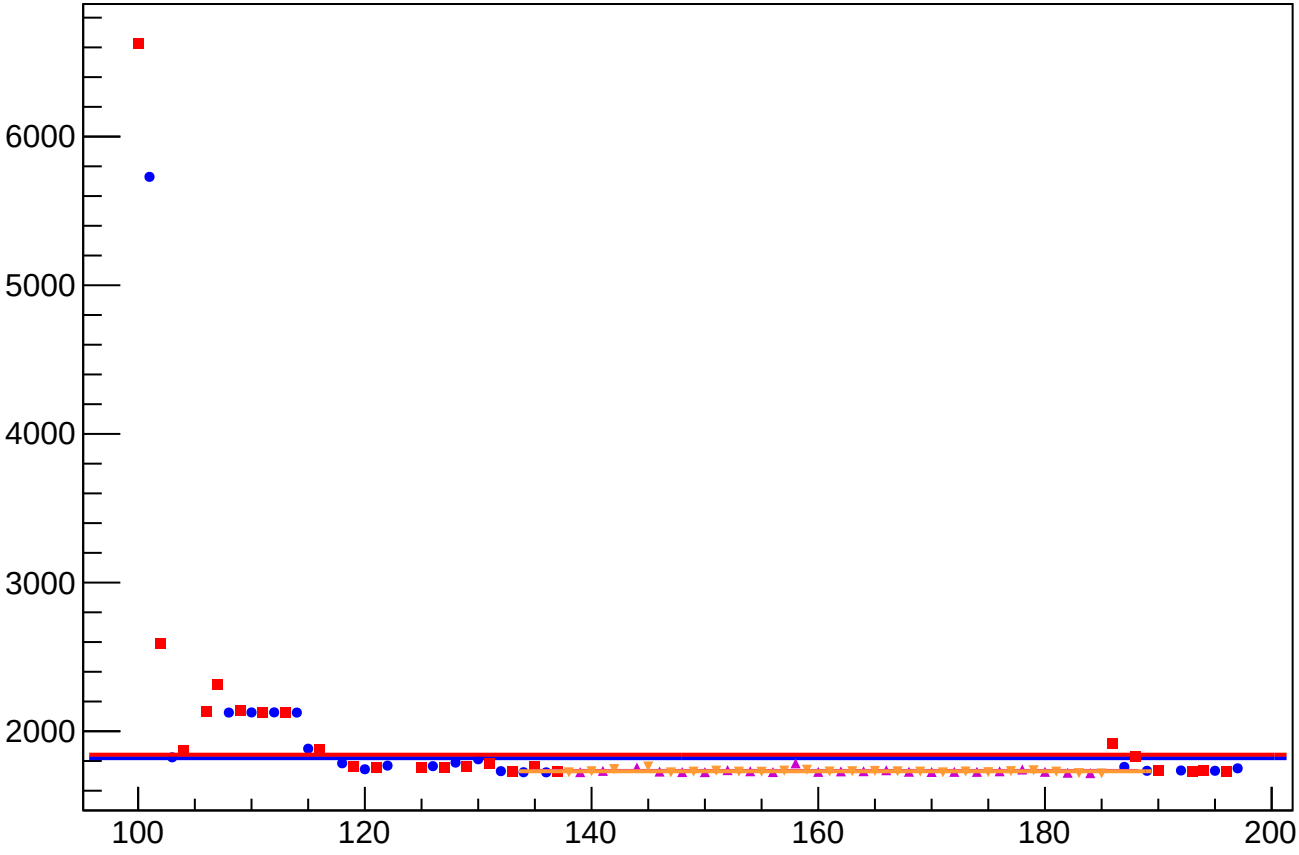
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 376.023+/-327.693 χ^2/NDF: 39.3/44

All: 49.400+/-230.991 χ^2/NDF: 90.0/91

- sign -273.180+/-325.658 χ^2/NDF: 48.7/46

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1818.901+/-0.401 χ^2/NDF: 696768.5/20

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

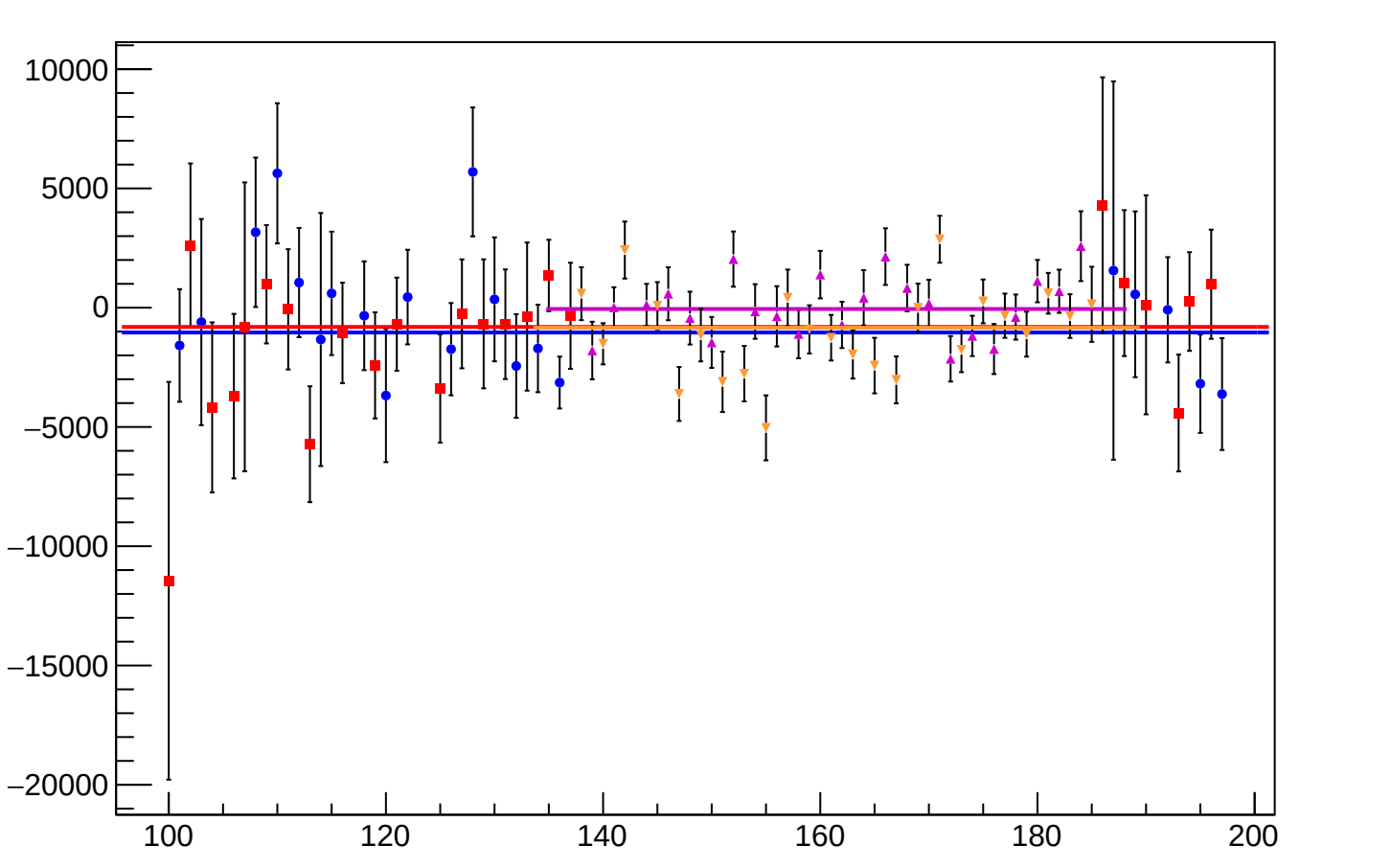
Right Out: 1842.348+/-0.388 χ^2/NDF: 286373.1/23

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1760.305+/-0.232 χ^2/NDF: 729886.9/44

All: 1765.949+/-0.163 χ^2/NDF: 1071120.5/91

- sign 1771.523+/-0.230 χ^2/NDF: 340054.5/46



Right In: -1040.279+/-498.145 χ^2/NDF: 23.5/20

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

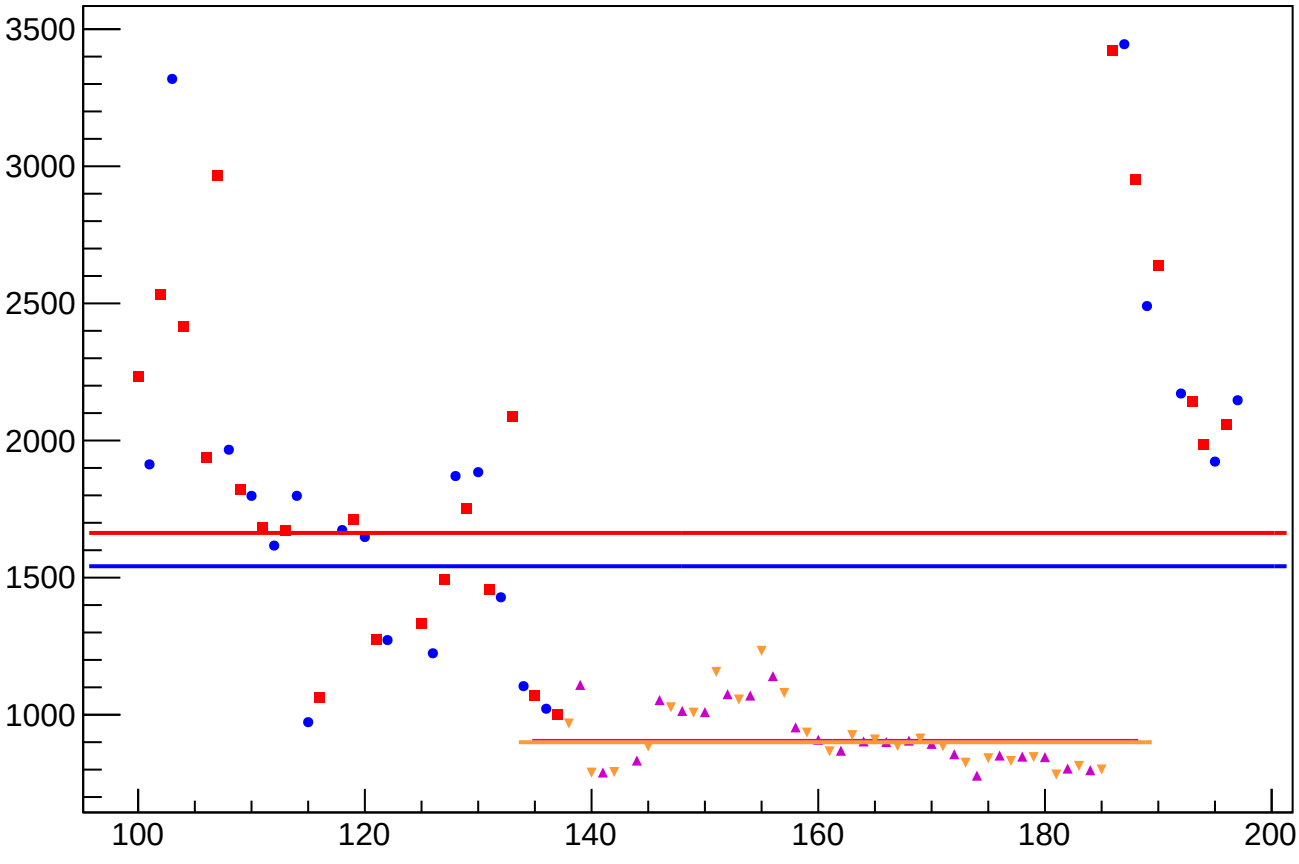
Right Out: -806.045+/-518.950 χ^2/NDF: 17.3/23

Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -872.497+/-194.174 χ^2/NDF: 86.3/44

All: -522.574+/-138.297 χ^2/NDF: 142.7/91

- sign -162.316+/-197.021 χ^2/NDF: 49.8/46



Right In: 1541.552+/-0.352 χ^2/NDF: 1913015.2/20

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1663.026+/-0.367 χ^2/NDF: 2029549.9/23

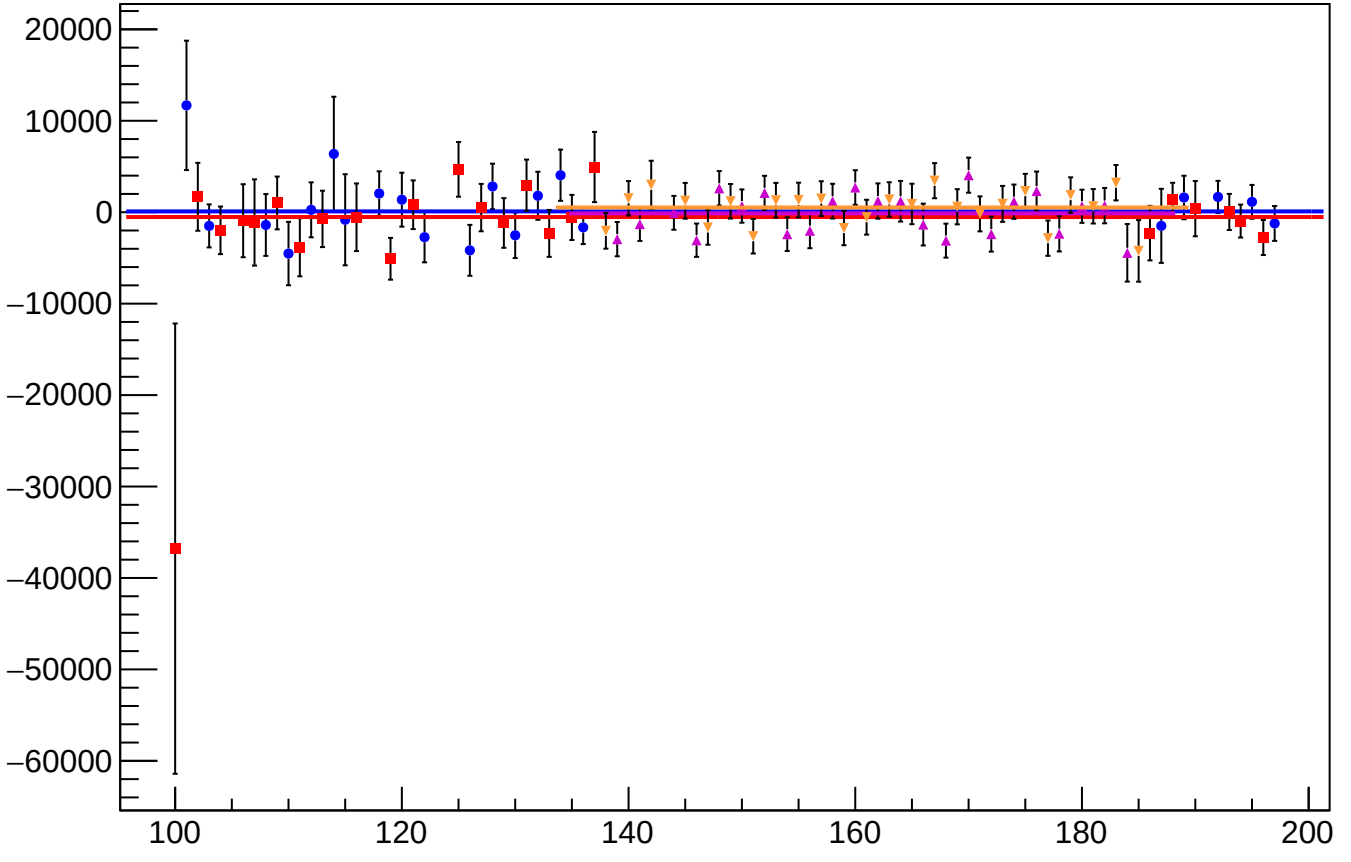
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 997.317+/-0.137 χ^2/NDF: 5223247.5/44

All: 1005.520+/-0.098 χ^2/NDF: 11367775.3/9

- sign 1013.965+/-0.139 χ^2/NDF: 6137284.3/46

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 89.352+/-566.554 χ^2/NDF: 18.2/20

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -526.489+/-549.445 χ^2/NDF: 18.7/23

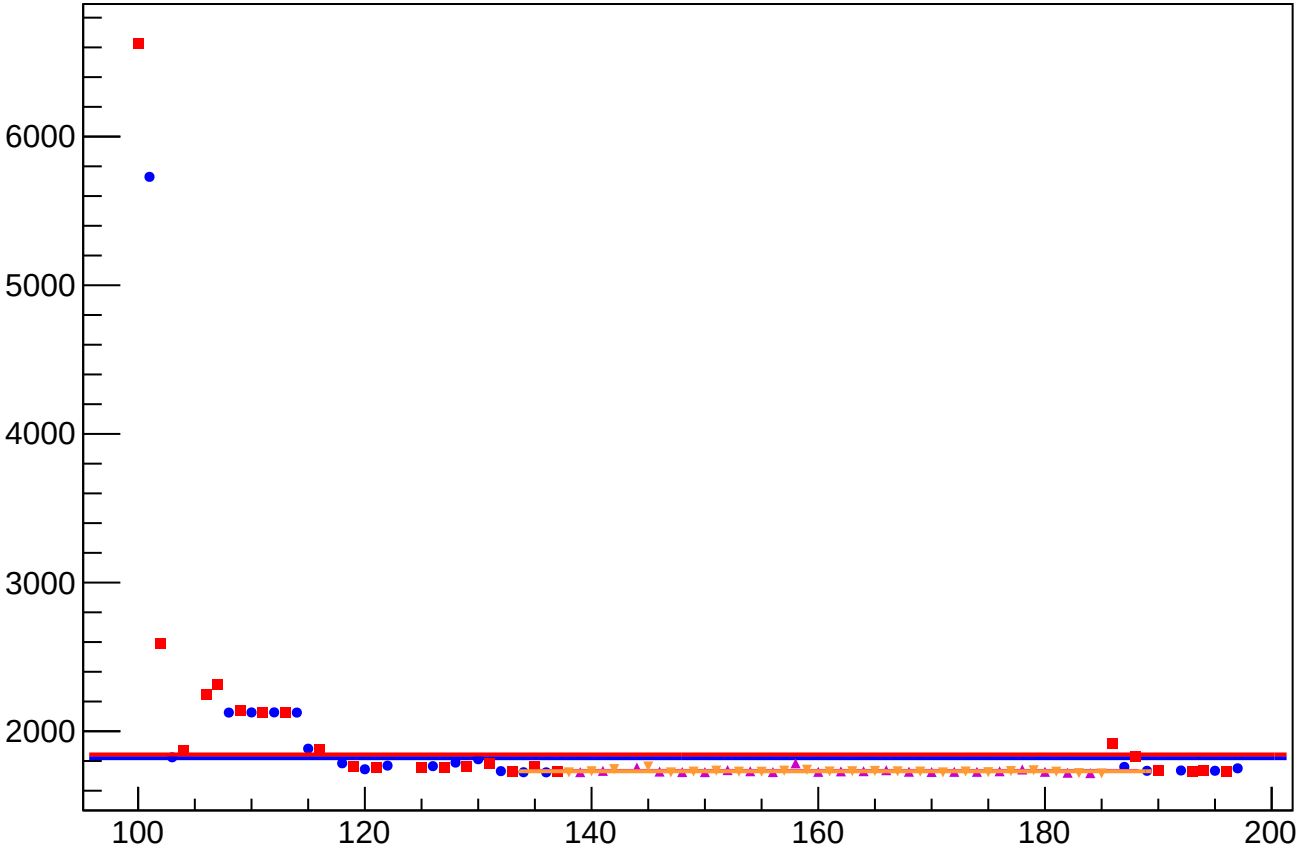
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 375.901+/-327.693 χ^2/NDF: 39.3/44

All: 52.660+/-231.047 χ^2/NDF: 89.8/91

- sign -266.884+/-325.813 χ^2/NDF: 48.5/46

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1818.901+/-0.401 χ^2/NDF: 696768.3/20

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

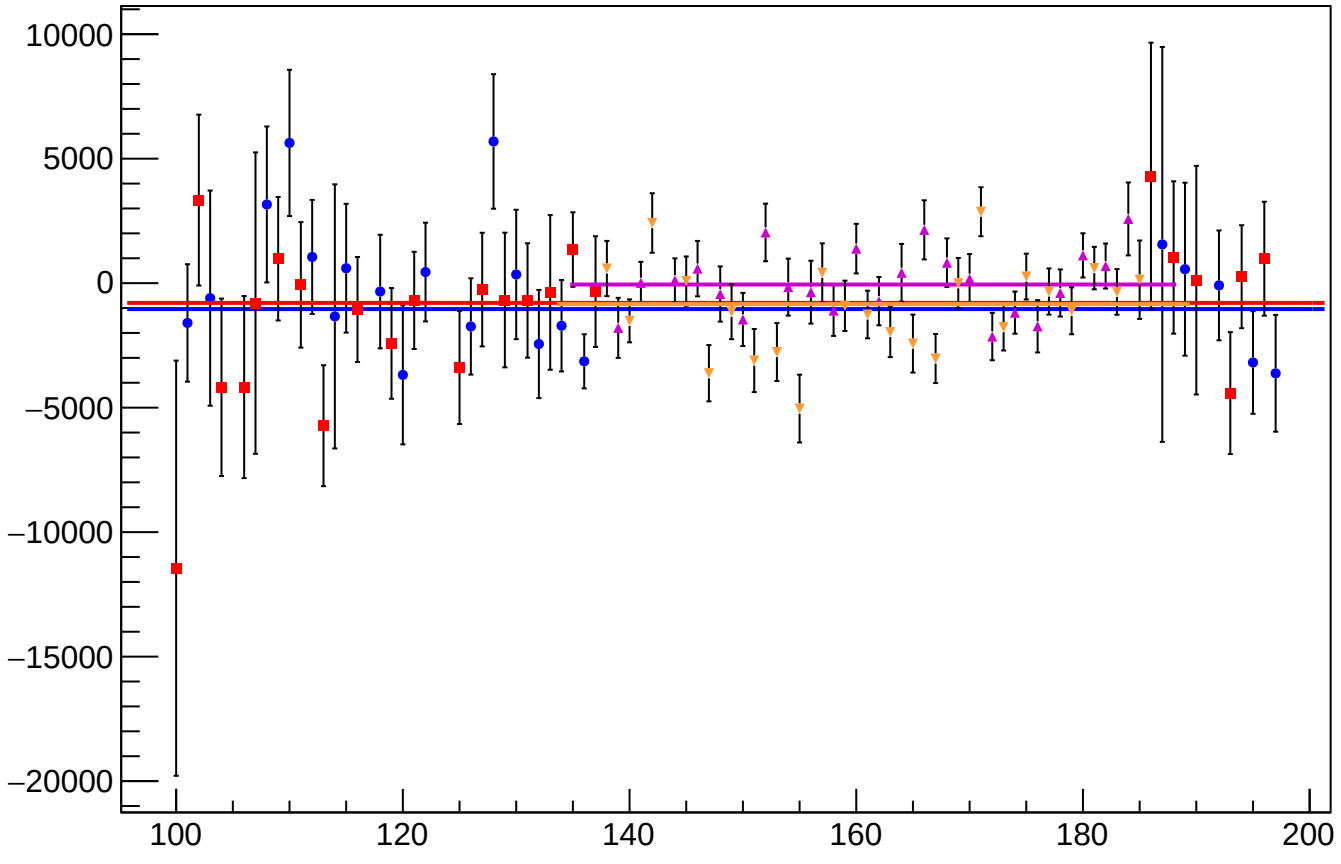
Right Out: 1843.770+/-0.389 χ^2/NDF: 295043.2/23

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1760.305+/-0.232 χ^2/NDF: 729886.7/44

All: 1766.163+/-0.163 χ^2/NDF: 1081136.5/91

- sign 1771.955+/-0.230 χ^2/NDF: 349978.5/46



Right In: -1040.874+/-498.113 χ^2/NDF: 23.5/20

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -791.851+/-519.595 χ^2/NDF: 17.9/23

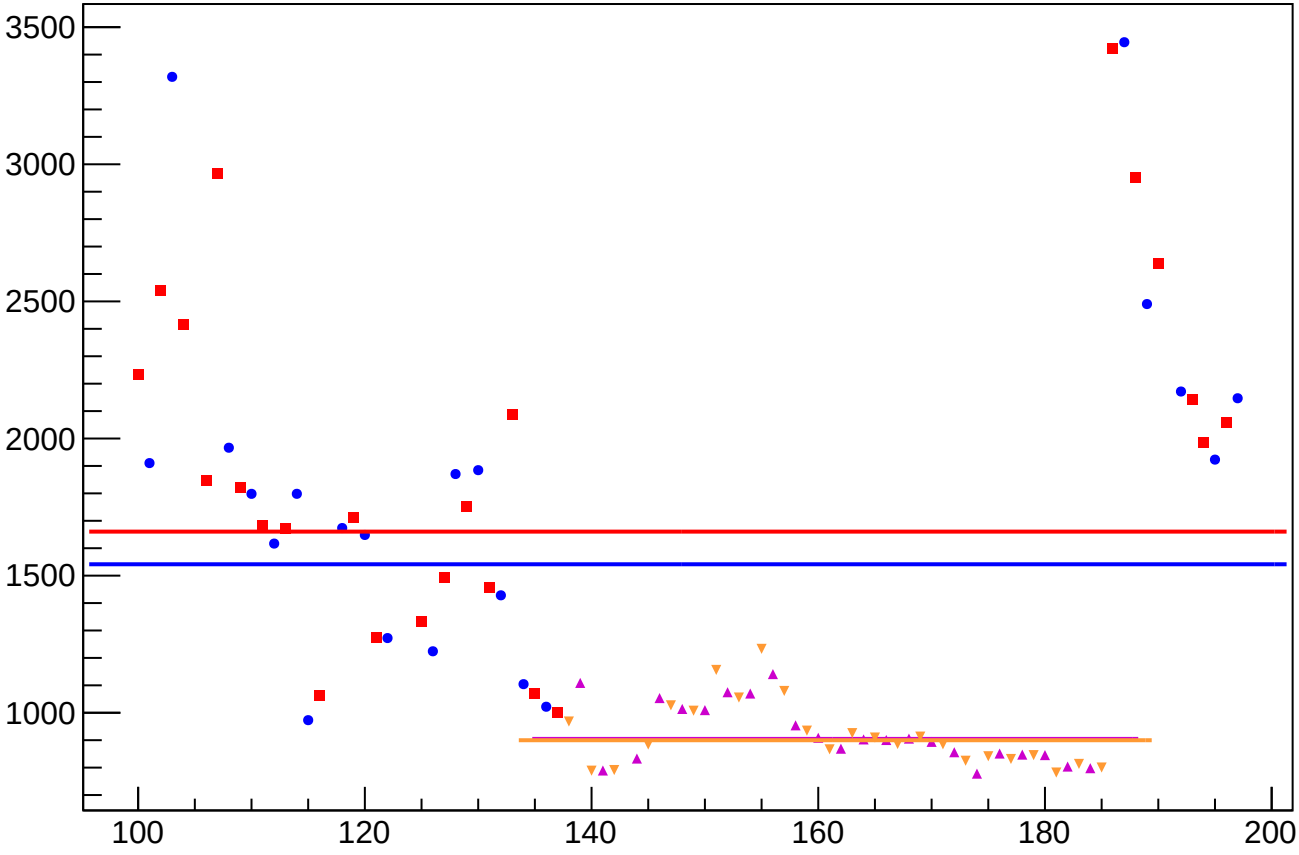
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -872.621+/-194.173 χ^2/NDF: 86.3/44

All: -521.592+/-138.309 χ^2/NDF: 143.3/91

- sign -160.062+/-197.056 χ^2/NDF: 50.3/46

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1541.471+/-0.352 χ^2/NDF: 1912523.7/20

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1660.547+/-0.367 χ^2/NDF: 2023380.3/23

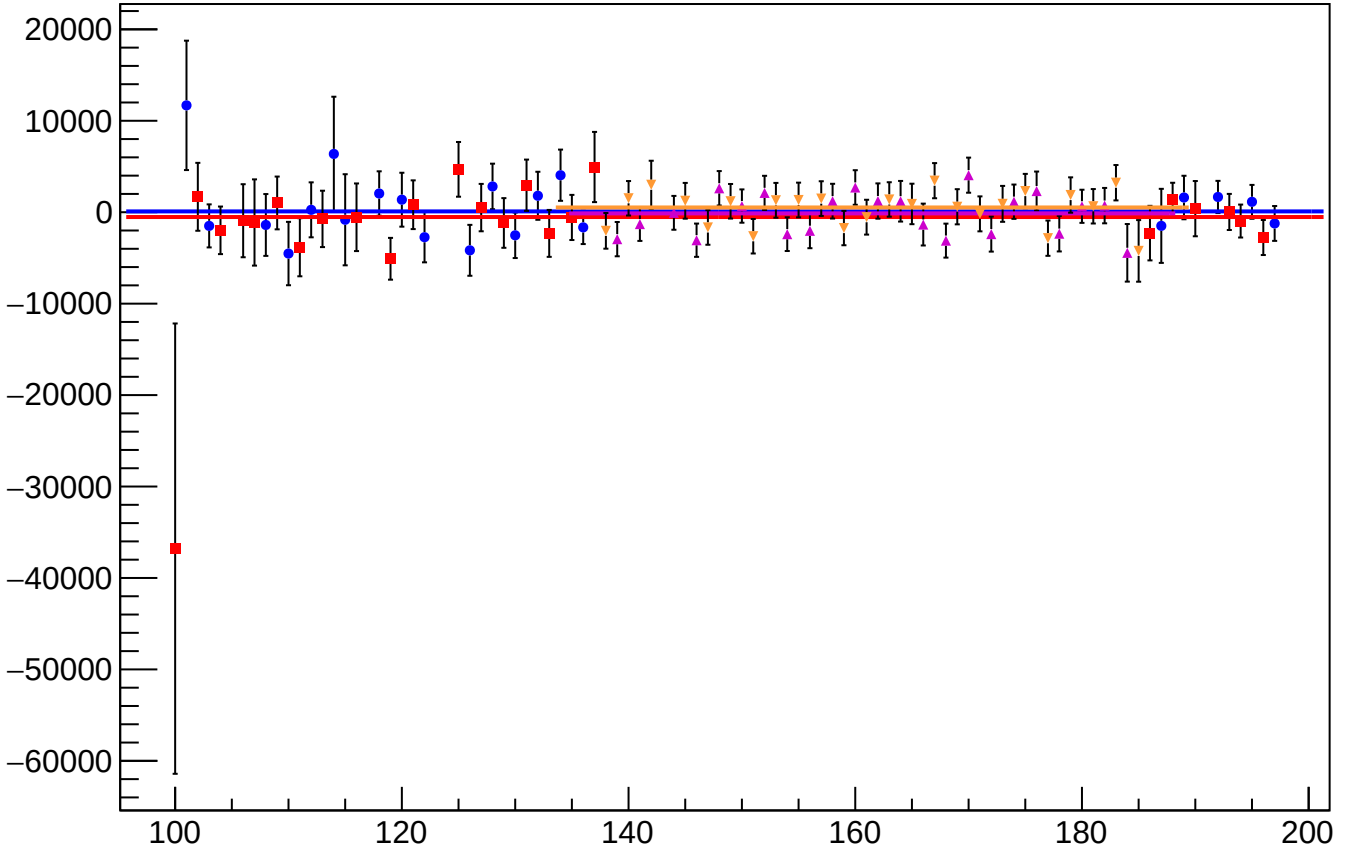
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 997.318+/-0.137 χ^2/NDF: 5222273.3/44

All: 1005.227+/-0.098 χ^2/NDF: 11328596.4/9

- sign 1013.373+/-0.139 χ^2/NDF: 6099587.7/46

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 89.352+/-566.554 χ^2/NDF: 18.2/20

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -526.489+/-549.445 χ^2/NDF: 18.7/23

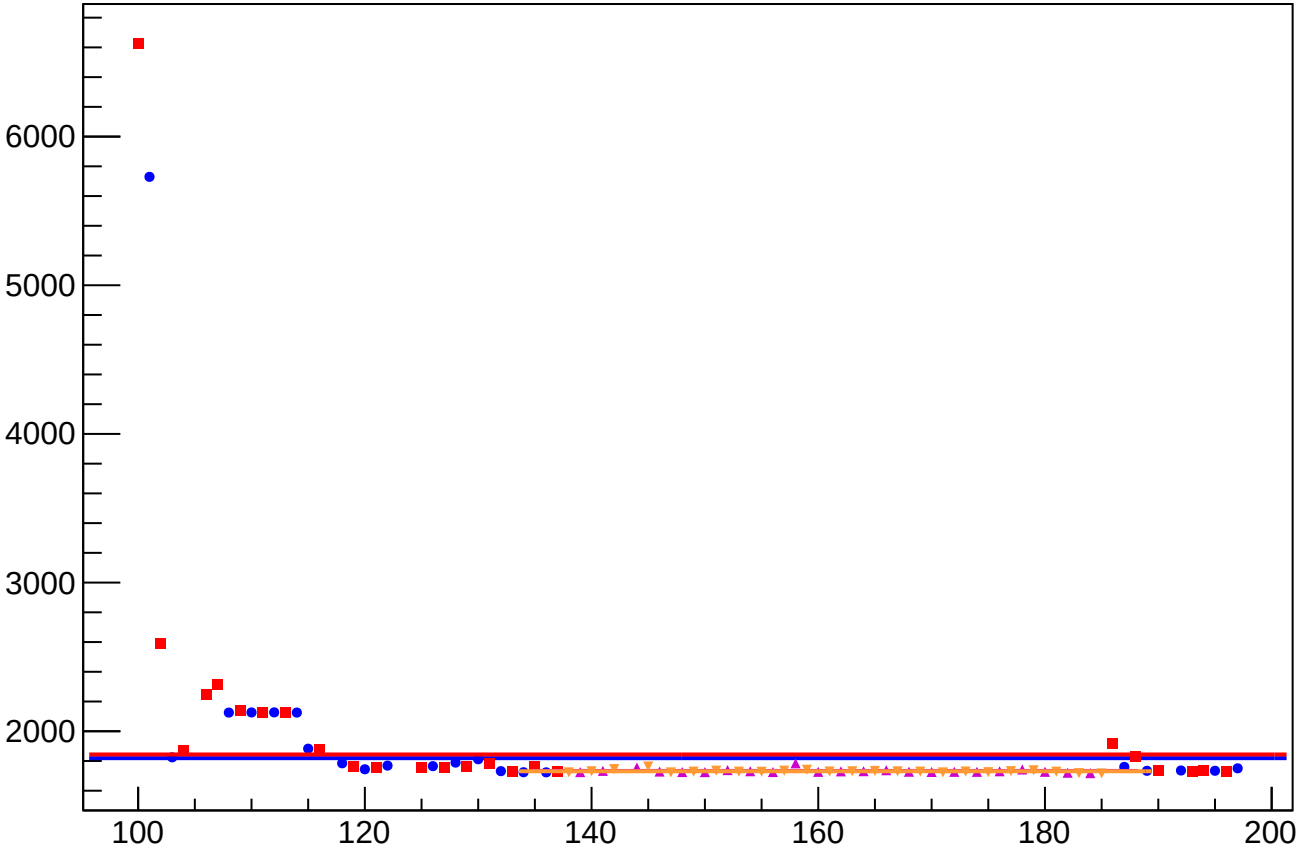
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 375.901+/-327.693 χ^2/NDF: 39.3/44

All: 52.660+/-231.047 χ^2/NDF: 89.8/91

- sign -266.884+/-325.813 χ^2/NDF: 48.5/46

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1818.901+/-0.401 χ^2/NDF: 696768.3/20

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

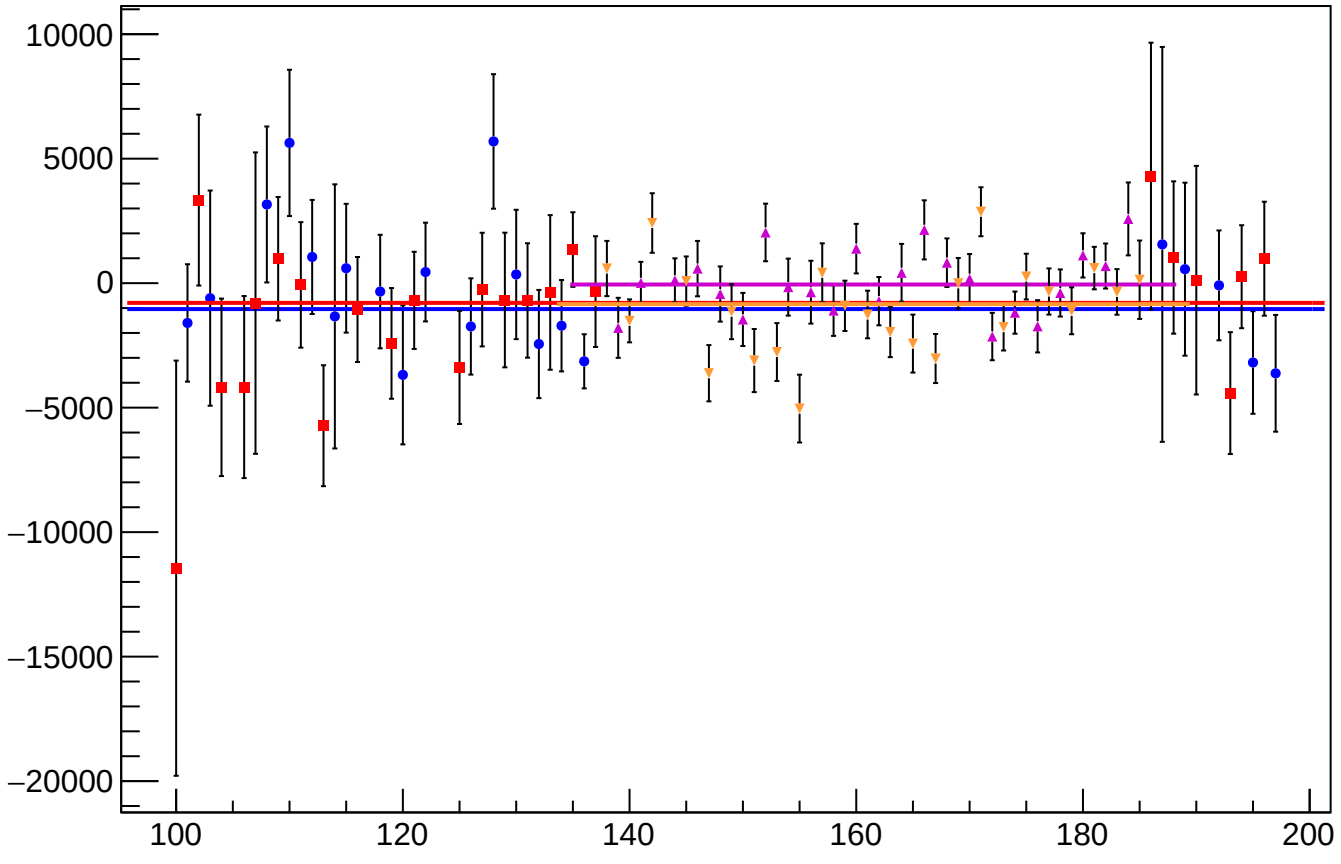
Right Out: 1843.770+/-0.389 χ^2/NDF: 295043.2/23

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1760.305+/-0.232 χ^2/NDF: 729886.7/44

All: 1766.163+/-0.163 χ^2/NDF: 1081136.5/91

- sign 1771.955+/-0.230 χ^2/NDF: 349978.5/46



Right In: -1040.874+/-498.113 χ^2/NDF: 23.5/20

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

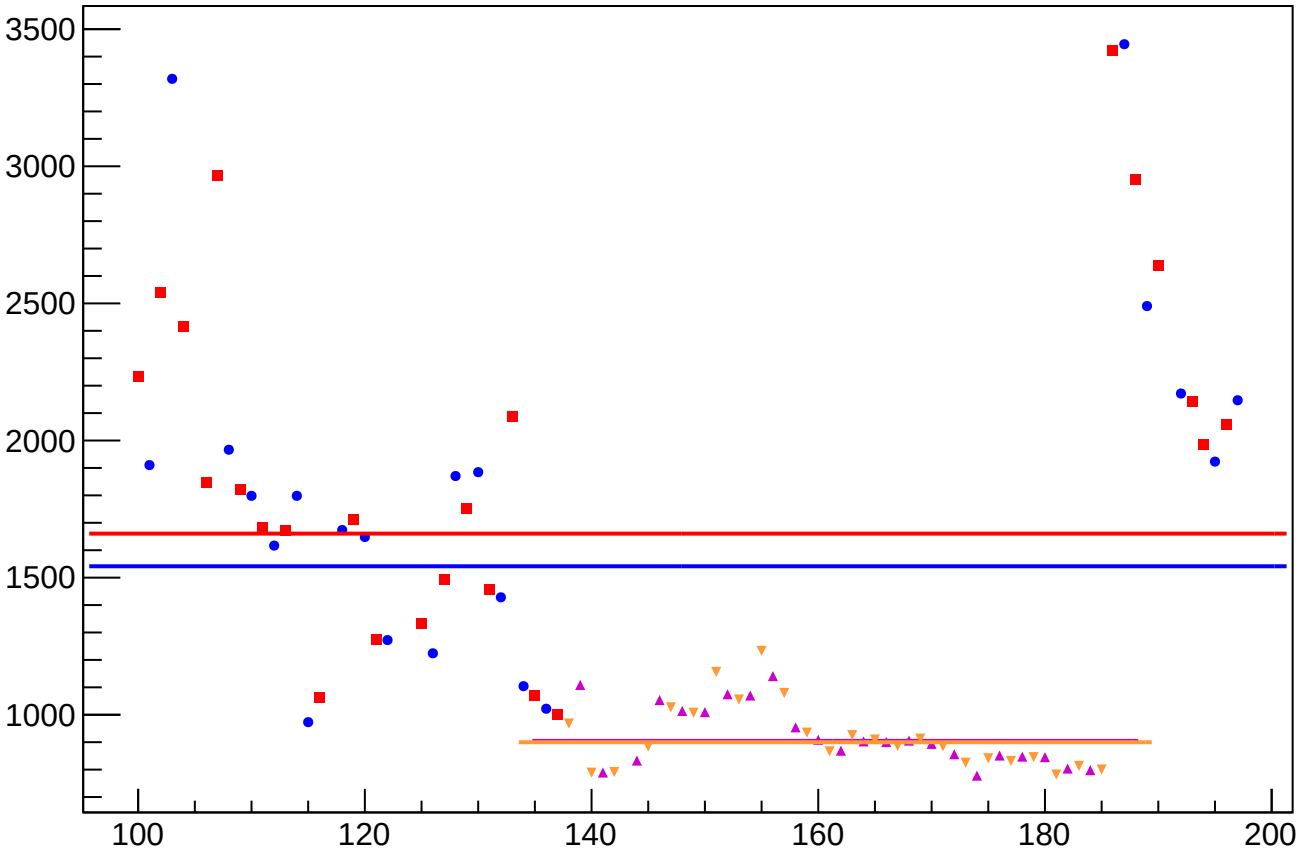
Right Out: -791.851+/-519.595 χ^2/NDF: 17.9/23

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -872.621+/-194.173 χ^2/NDF: 86.3/44

All: -521.592+/-138.309 χ^2/NDF: 143.3/91

- sign -160.062+/-197.056 χ^2/NDF: 50.3/46



Right In: 1541.471+/-0.352 χ^2/NDF: 1912523.7/20

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1660.547+/-0.367 χ^2/NDF: 2023380.3/23

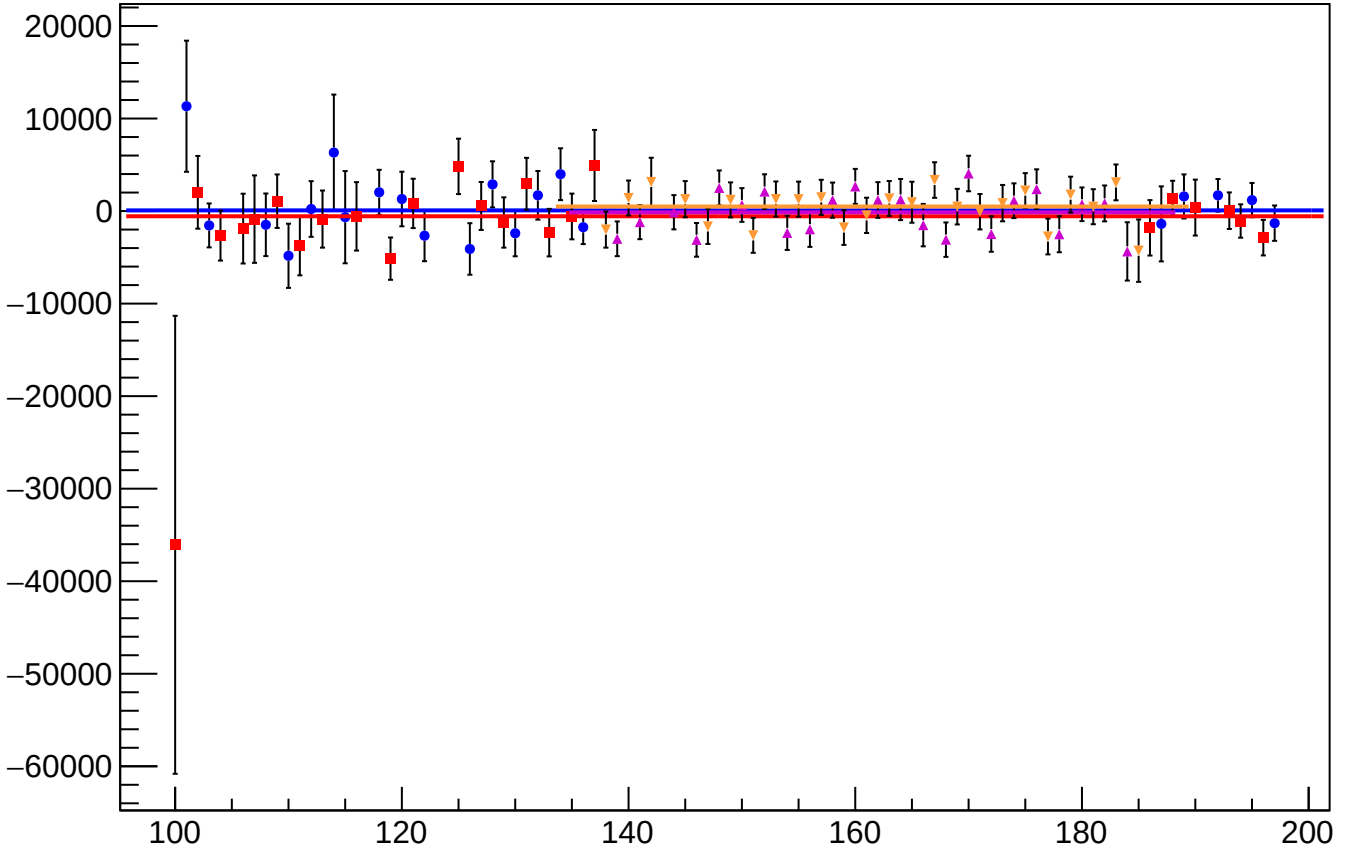
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 997.318+/-0.137 χ^2/NDF: 5222273.3/44

All: 1005.227+/-0.098 χ^2/NDF: 11328596.4/9

- sign 1013.373+/-0.139 χ^2/NDF: 6099587.7/46

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 73.736+/-567.279 χ^2/NDF: 18.1/20

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -563.697+/-550.772 χ^2/NDF: 19.4/23

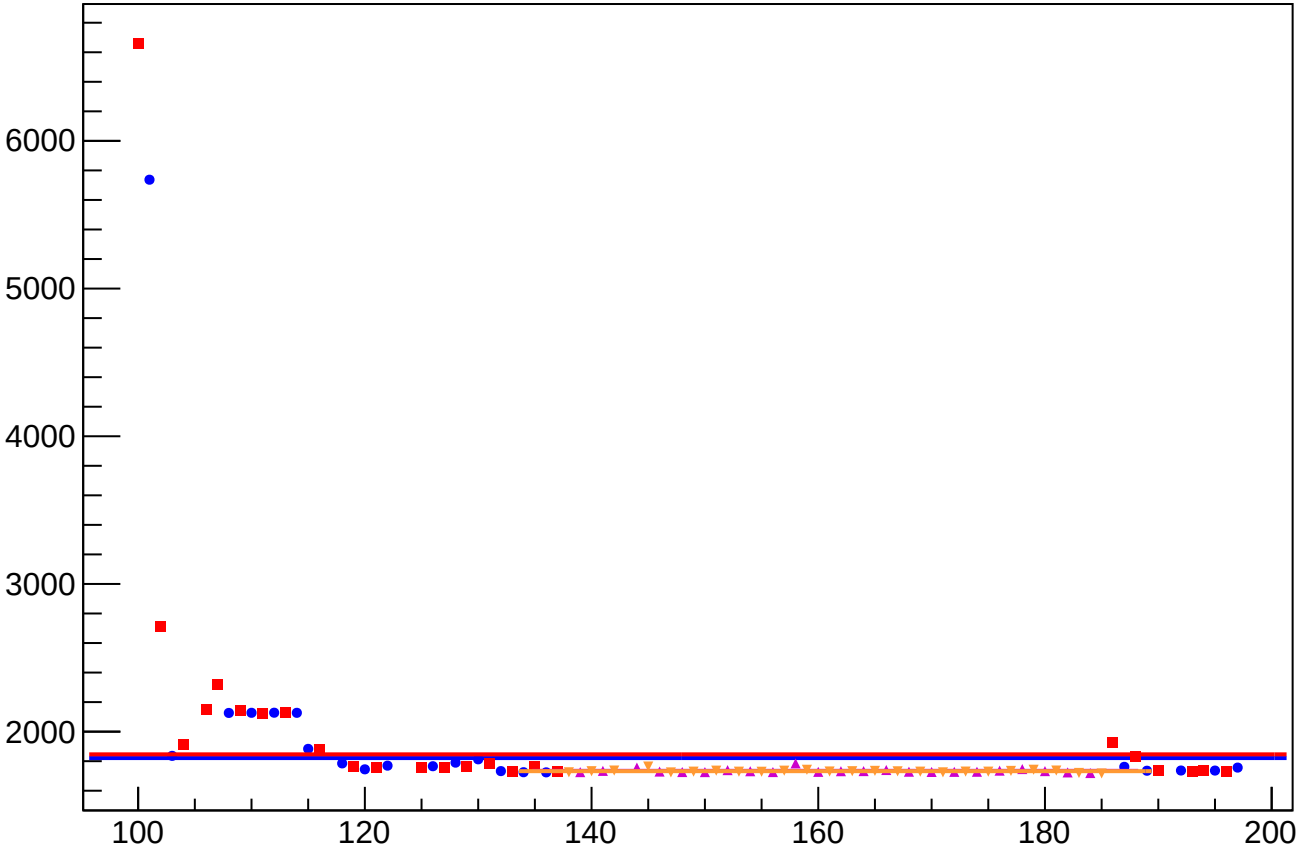
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 354.071+/-328.031 χ^2/NDF: 38.5/44

All: 31.894+/-231.331 χ^2/NDF: 89.8/91

- sign -286.852+/-326.280 χ^2/NDF: 49.4/46

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1821.038+/-0.401 χ^2/NDF: 696838.4/20

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

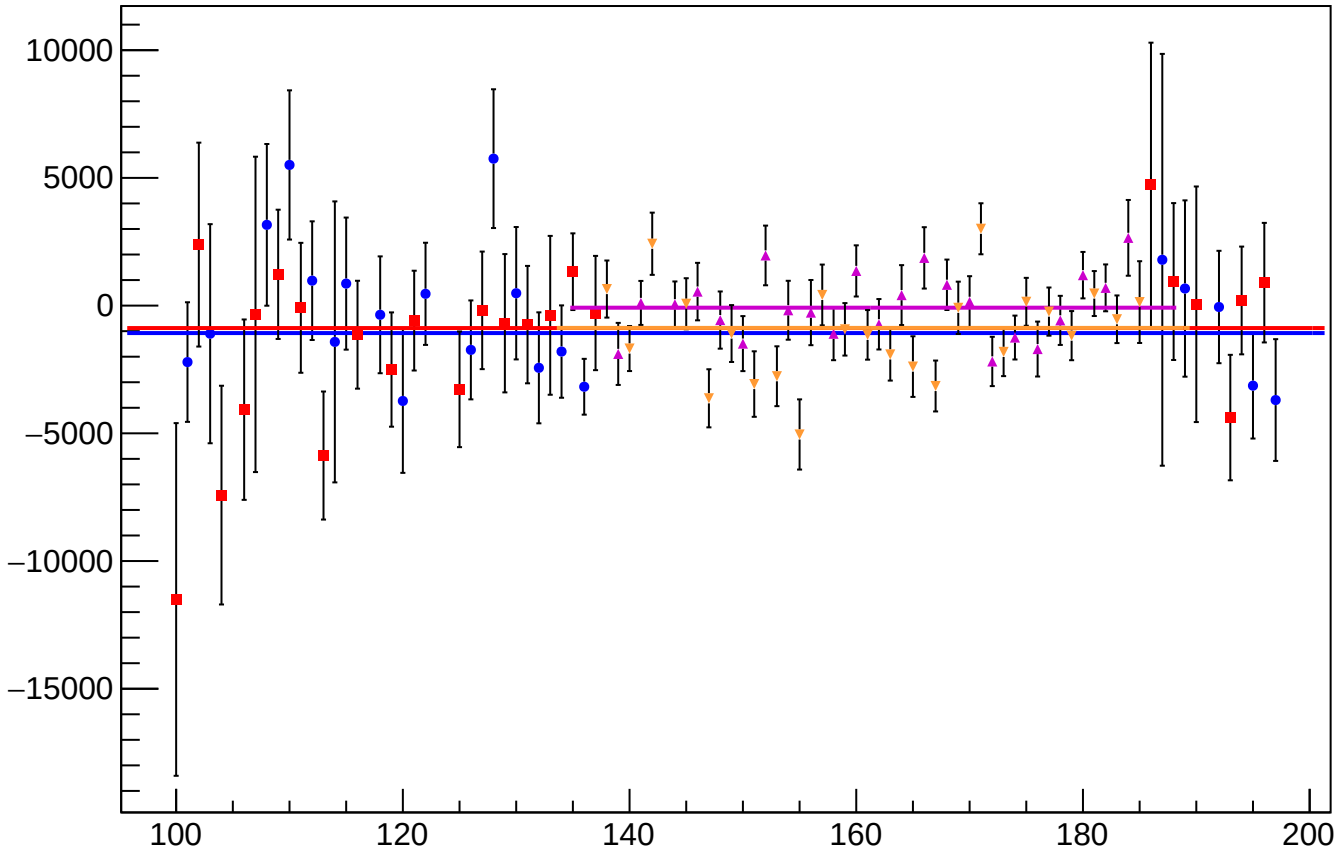
Right Out: 1846.296+/-0.389 χ^2/NDF: 305602.9/23

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1762.031+/-0.232 χ^2/NDF: 730259.2/44

All: 1767.936+/-0.164 χ^2/NDF: 1092785.4/91

- sign 1773.778+/-0.231 χ^2/NDF: 361236.9/46



Right In: -1075.041+/-499.311 χ^2/NDF: 23.9/20

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

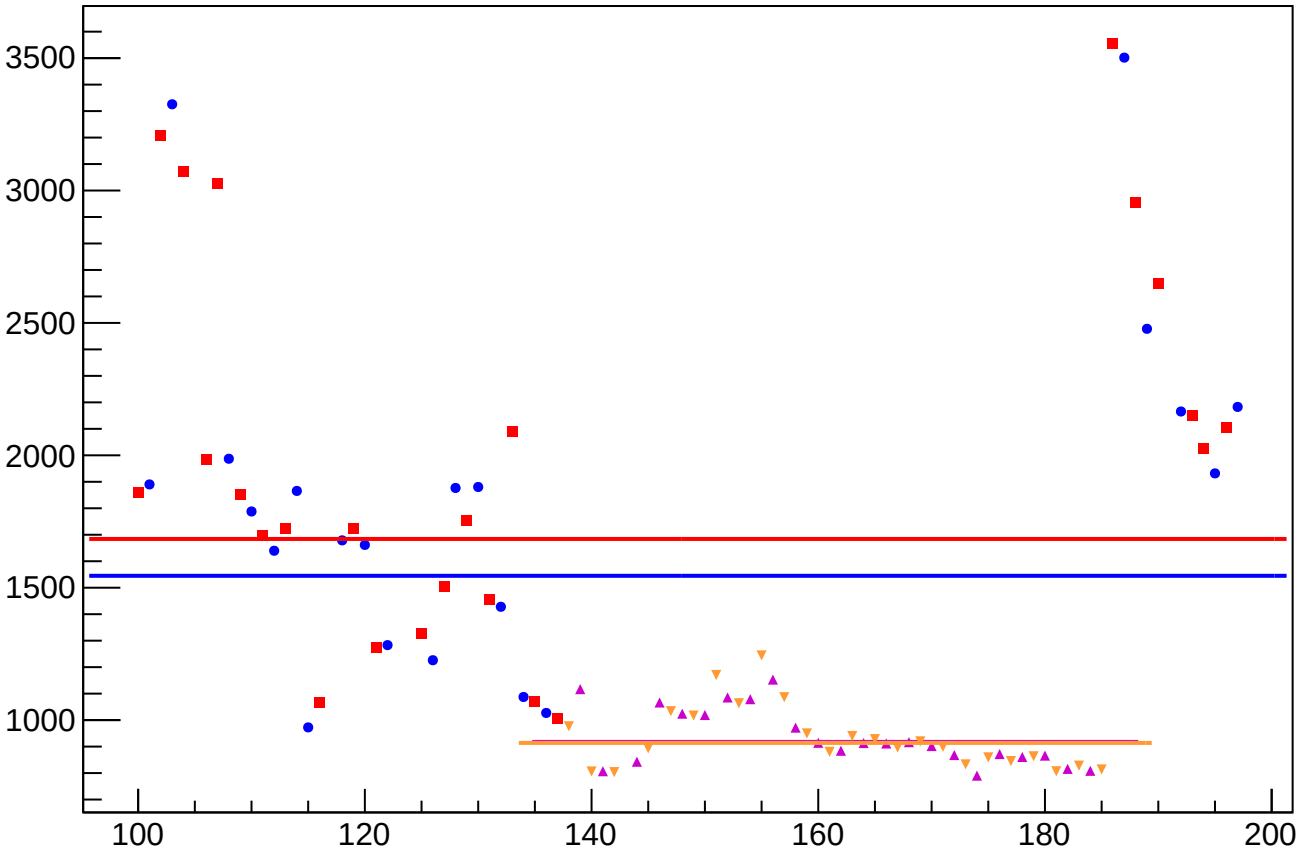
Right Out: -878.765+/-525.907 χ^2/NDF: 19.3/23

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

\+ sign -904.210+/-196.702 χ^2/NDF: 86.0/44

All: -555.778+/-140.149 χ^2/NDF: 143.6/91

\- sign -196.516+/-199.735 χ^2/NDF: 51.2/46



Right In: 1544.982+/-0.353 χ^2/NDF: 1930758.1/20

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1684.172+/-0.372 χ^2/NDF: 2360530.6/23

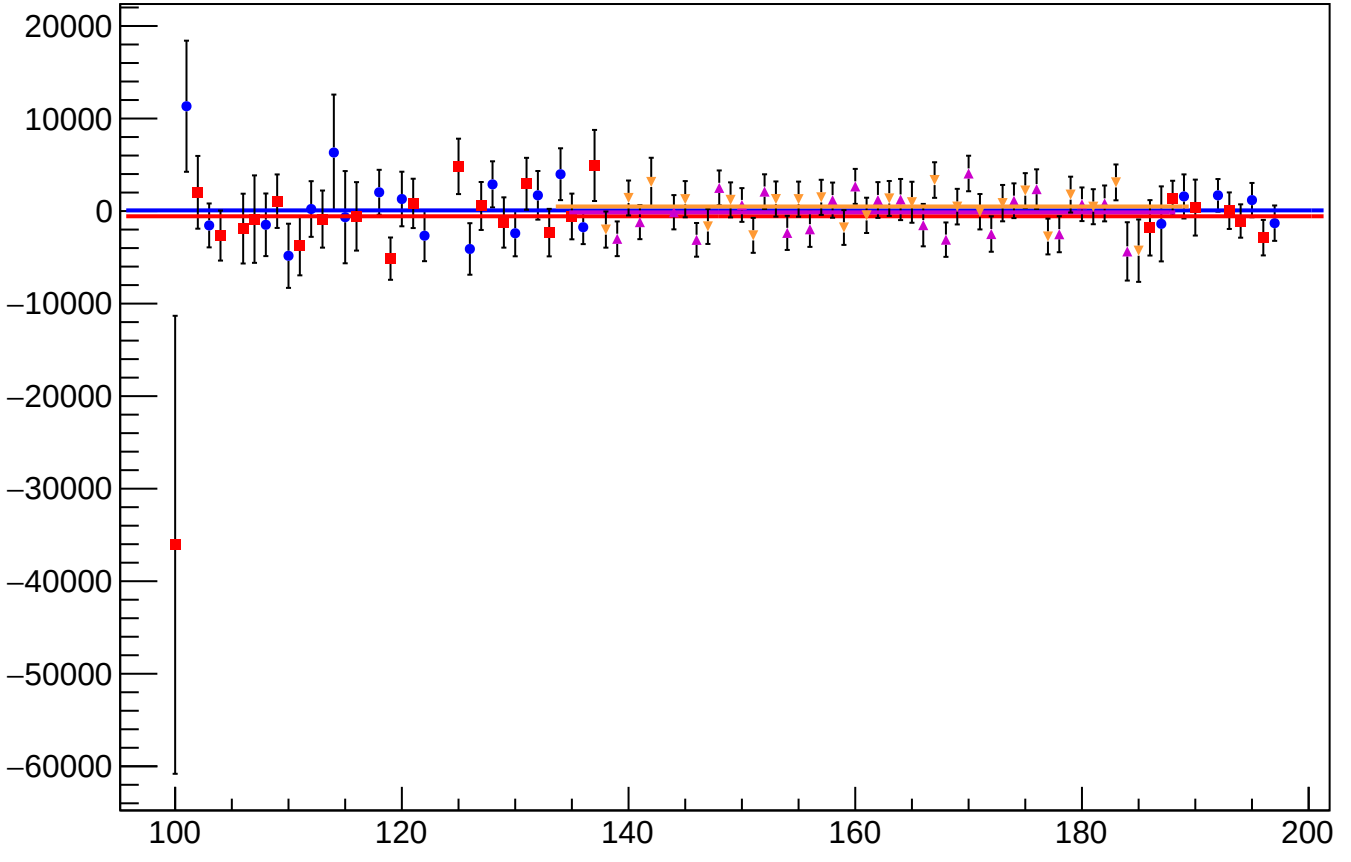
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1011.839+/-0.139 χ^2/NDF: 5092702.8/44

All: 1019.911+/-0.099 χ^2/NDF: 11526246.1/9

- sign 1028.235+/-0.141 χ^2/NDF: 6426701.3/46

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 73.738+/-567.279 χ^2/NDF: 18.1/20

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -563.696+/-550.772 χ^2/NDF: 19.4/23

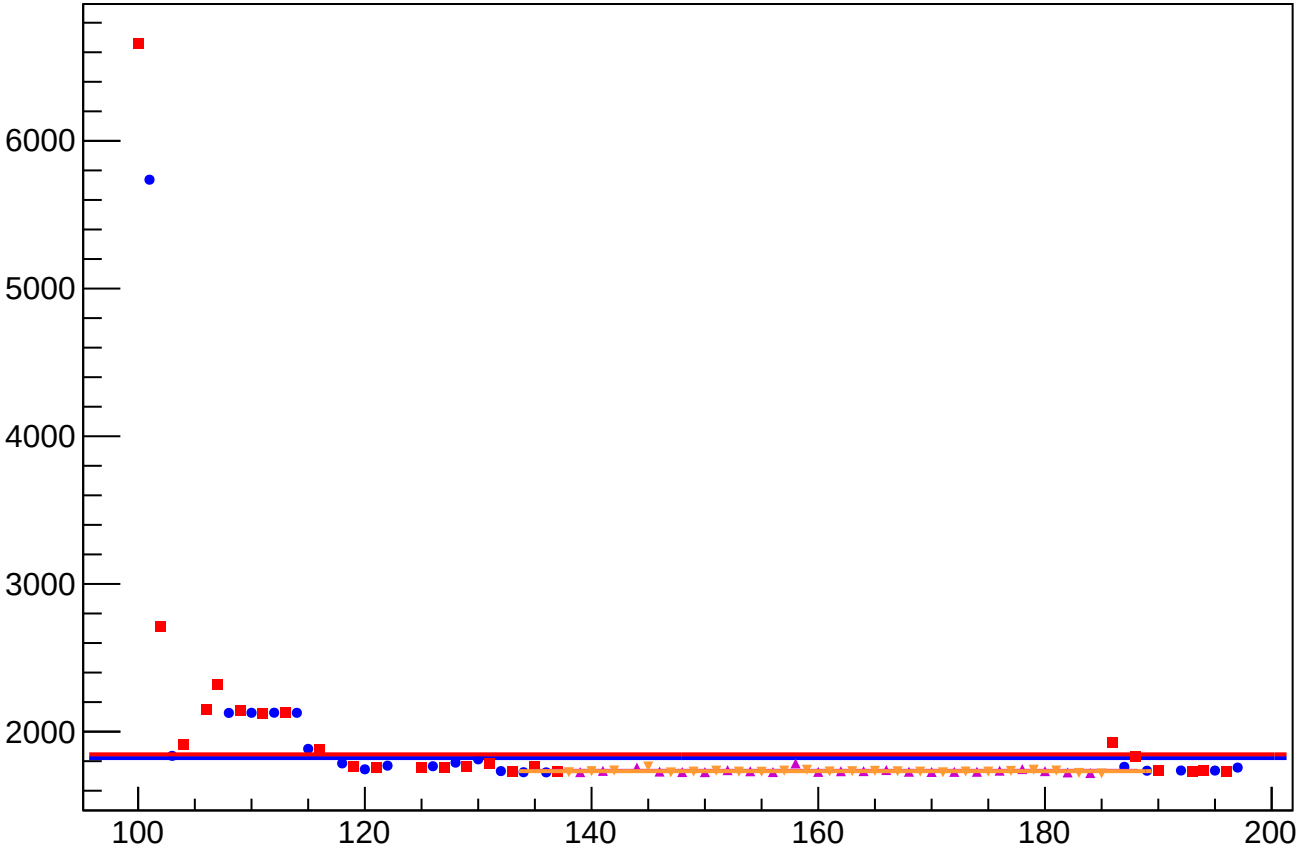
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 354.071+/-328.031 χ^2/NDF: 38.5/44

All: 31.895+/-231.331 χ^2/NDF: 89.8/91

- sign -286.852+/-326.280 χ^2/NDF: 49.4/46

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1821.038+/-0.401 χ^2/NDF: 696838.4/20

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

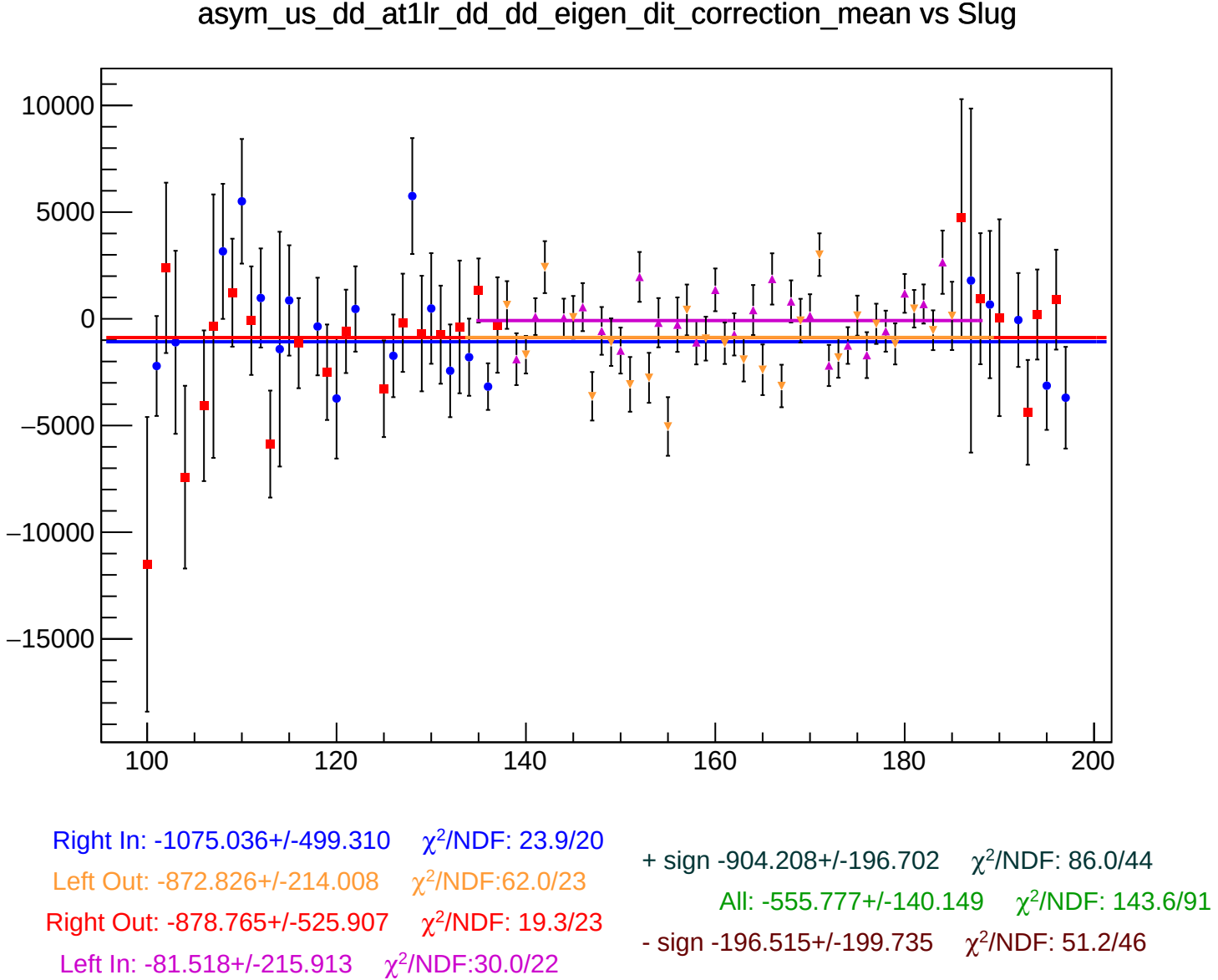
Right Out: 1846.296+/-0.389 χ^2/NDF: 305602.6/23

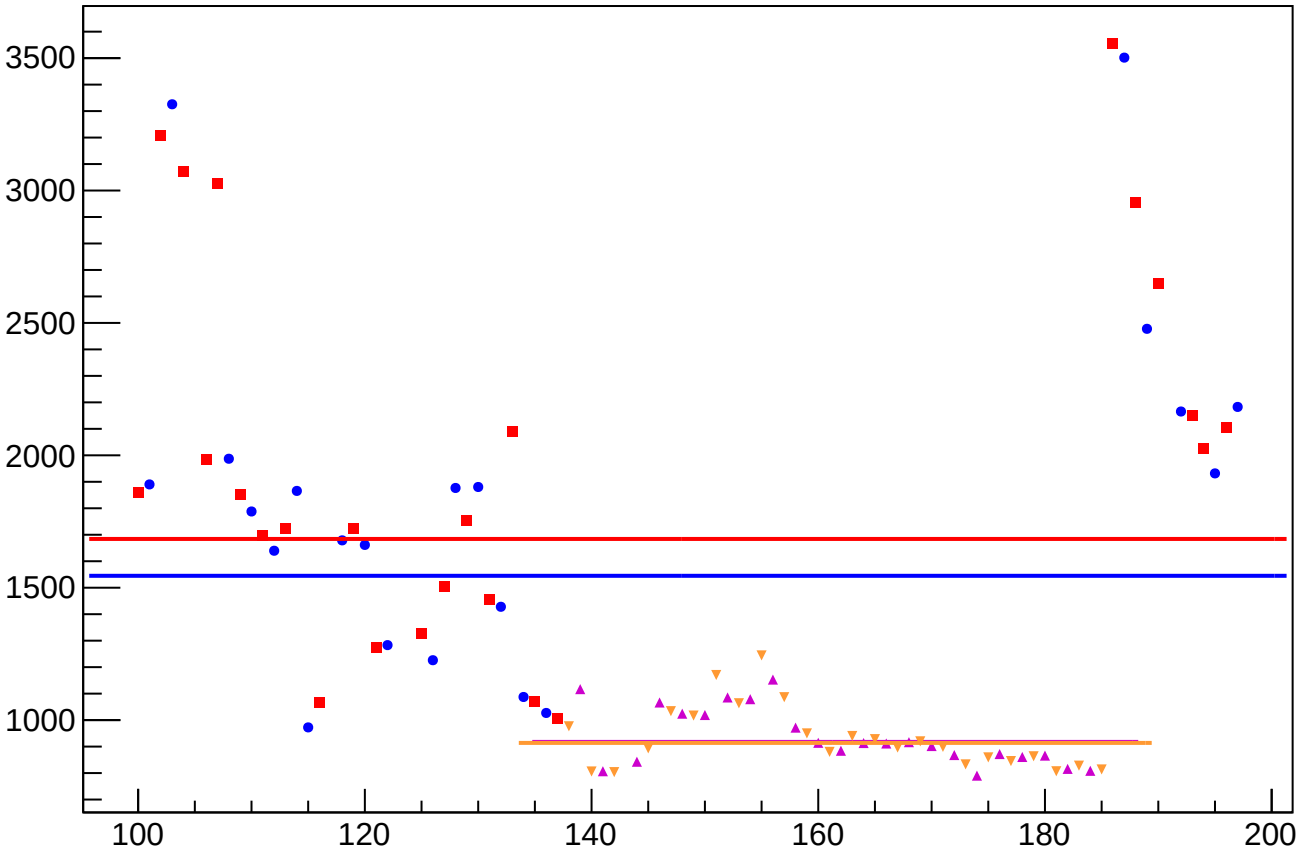
Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1762.031+/-0.232 χ^2/NDF: 730259.1/44

All: 1767.936+/-0.164 χ^2/NDF: 1092785.0/91

- sign 1773.778+/-0.231 χ^2/NDF: 361236.6/46


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1075.036+/-499.310 χ²/NDF: 23.9/20
Left Out: -872.826+/-214.008 χ²/NDF:62.0/23
Right Out: -878.765+/-525.907 χ²/NDF: 19.3/23
Left In: -81.518+/-215.913 χ²/NDF:30.0/22
+ sign -904.208+/-196.702 χ²/NDF: 86.0/44
All: -555.777+/-140.149 χ²/NDF: 143.6/91
- sign -196.515+/-199.735 χ²/NDF: 51.2/46



Right In: 1544.978+/-0.353 χ^2/NDF: 1930760.0/20

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1684.170+/-0.372 χ^2/NDF: 2360537.8/23

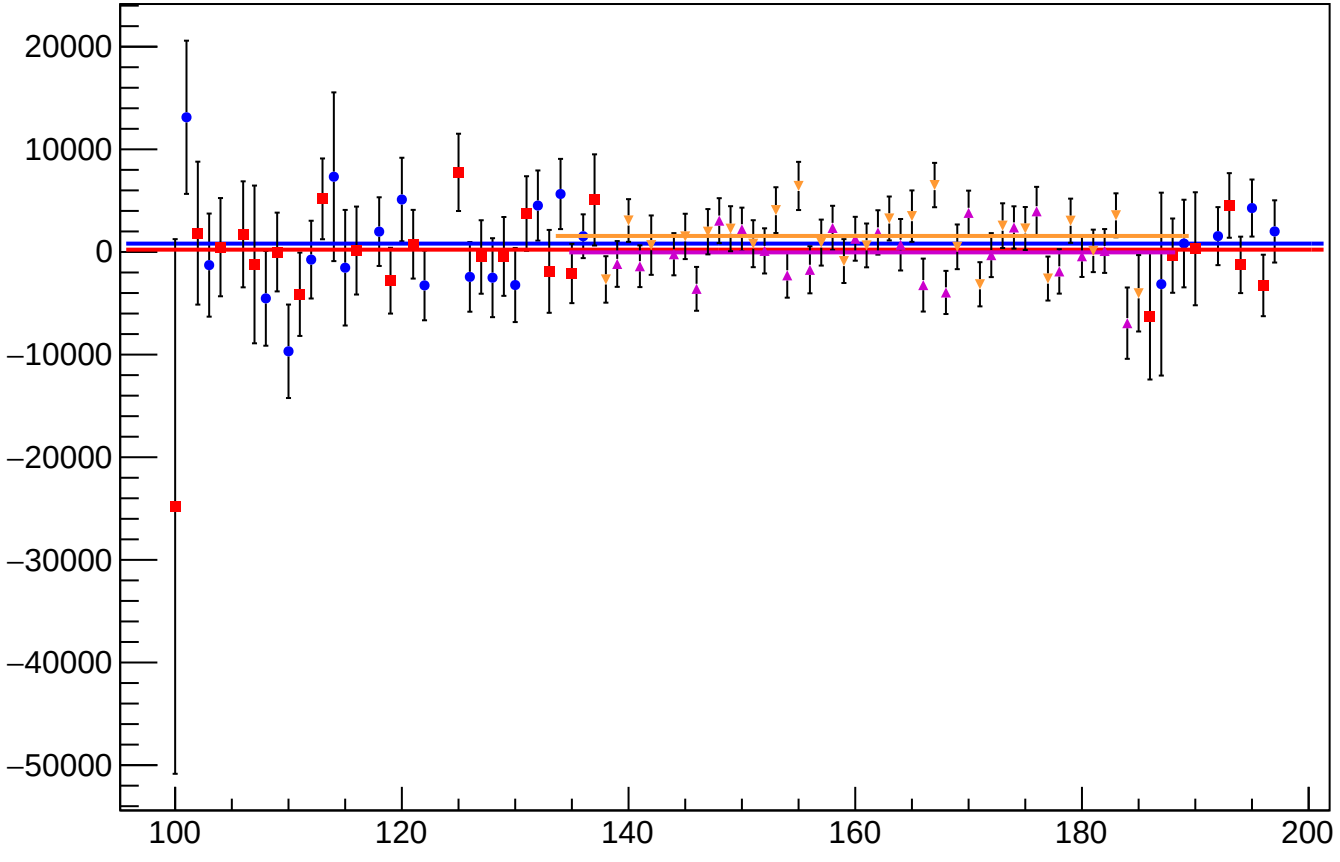
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1011.838+/-0.139 χ^2/NDF: 5092696.7/44

All: 1019.911+/-0.099 χ^2/NDF: 11526246.6/9

- sign 1028.235+/-0.141 χ^2/NDF: 6426707.8/46

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 814.245+/-801.185 χ^2/NDF: 21.3/20

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 225.199+/-800.959 χ^2/NDF: 16.5/23

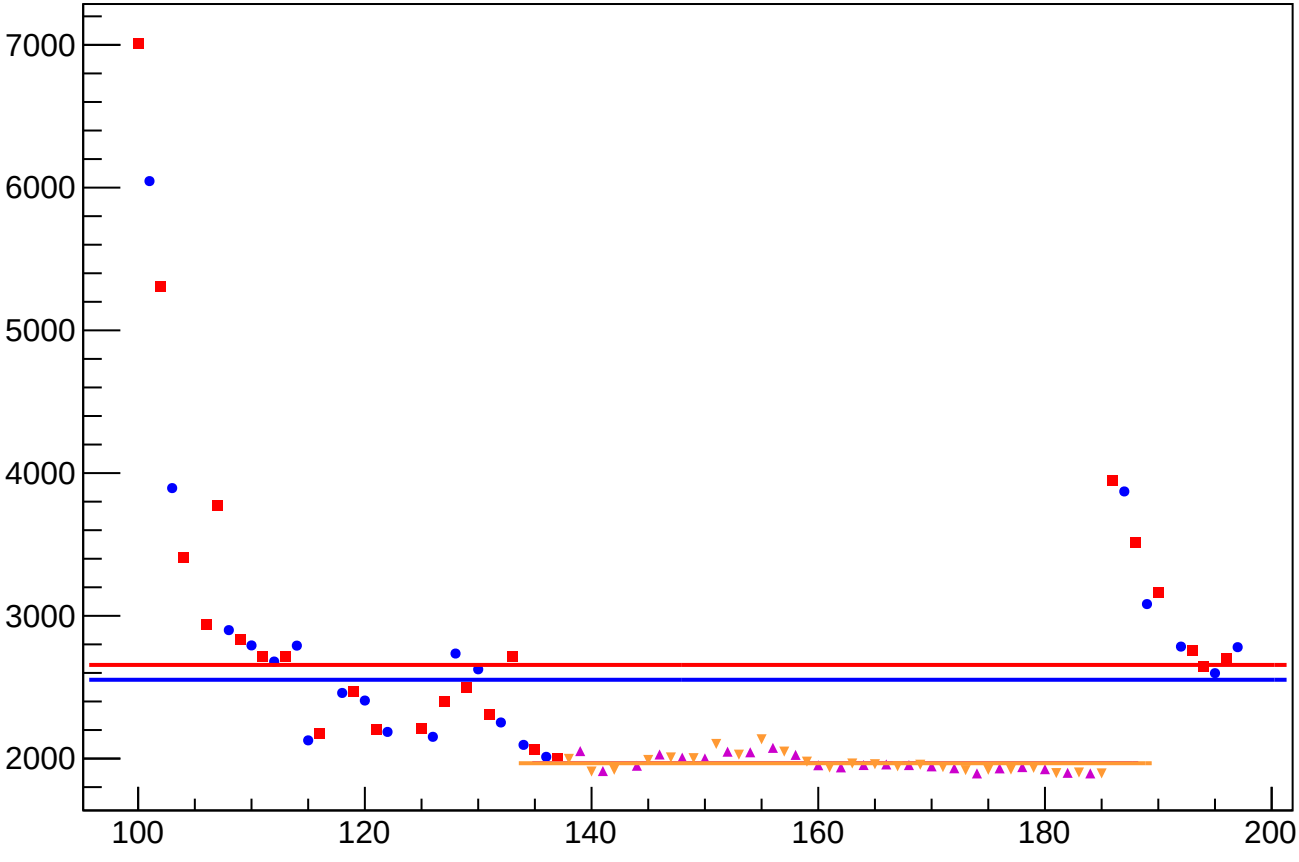
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1378.020+/-396.885 χ^2/NDF: 53.2/44

All: 705.282+/-281.334 χ^2/NDF: 103.4/91

- sign 25.850+/-398.855 χ^2/NDF: 44.4/46

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2552.075+/-0.567 χ^2/NDF: 952845.3/20

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

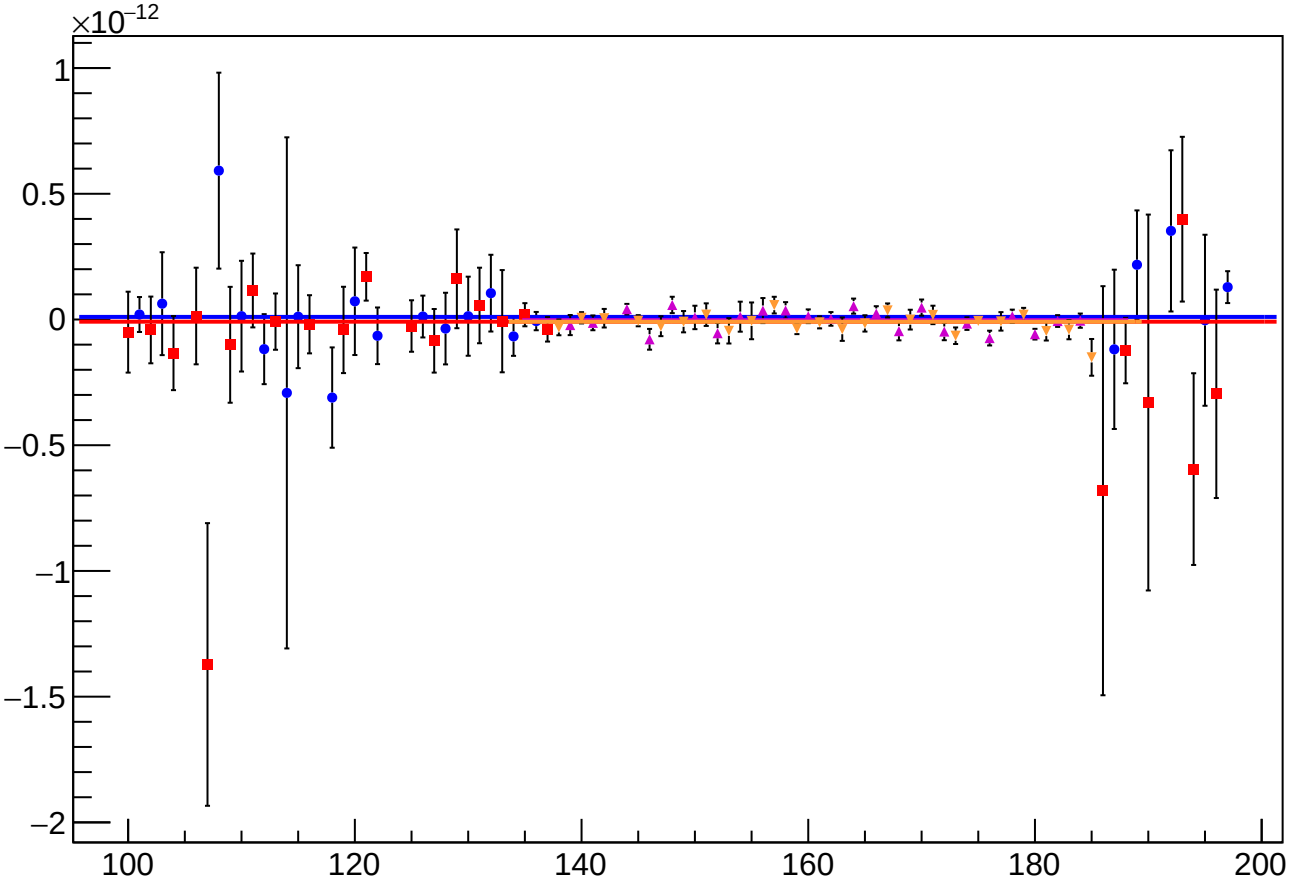
Right Out: 2656.079+/-0.566 χ^2/NDF: 924473.6/23

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2110.888+/-0.281 χ^2/NDF: 1790756.3/44

All: 2125.071+/-0.199 χ^2/NDF: 3853586.2/91

- sign 2139.397+/-0.282 χ^2/NDF: 2057695.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

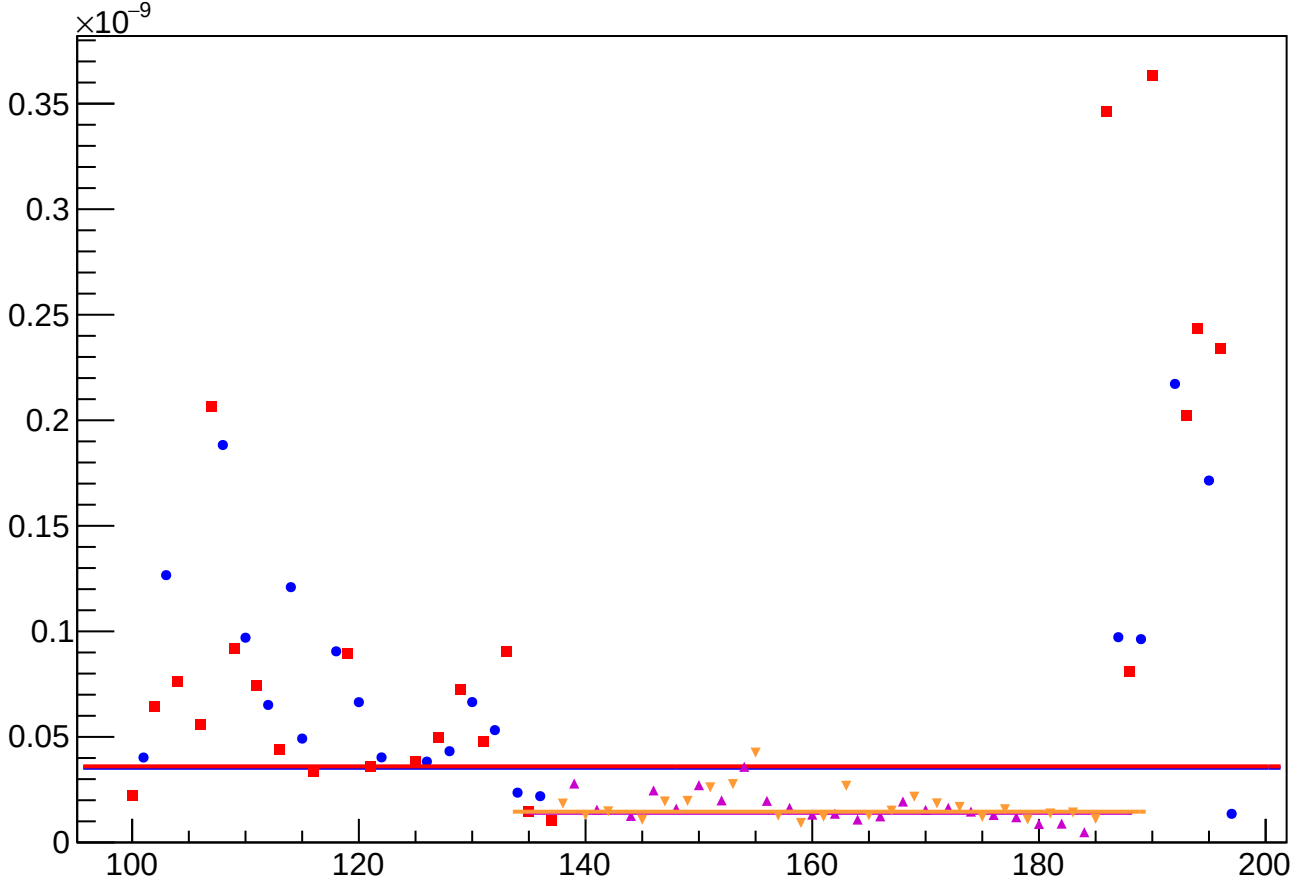
Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/23

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/44

All: -0.000+/-0.000 χ^2/NDF: 93.8/91

- sign -0.000+/-0.000 χ^2/NDF: 58.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 3056477.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

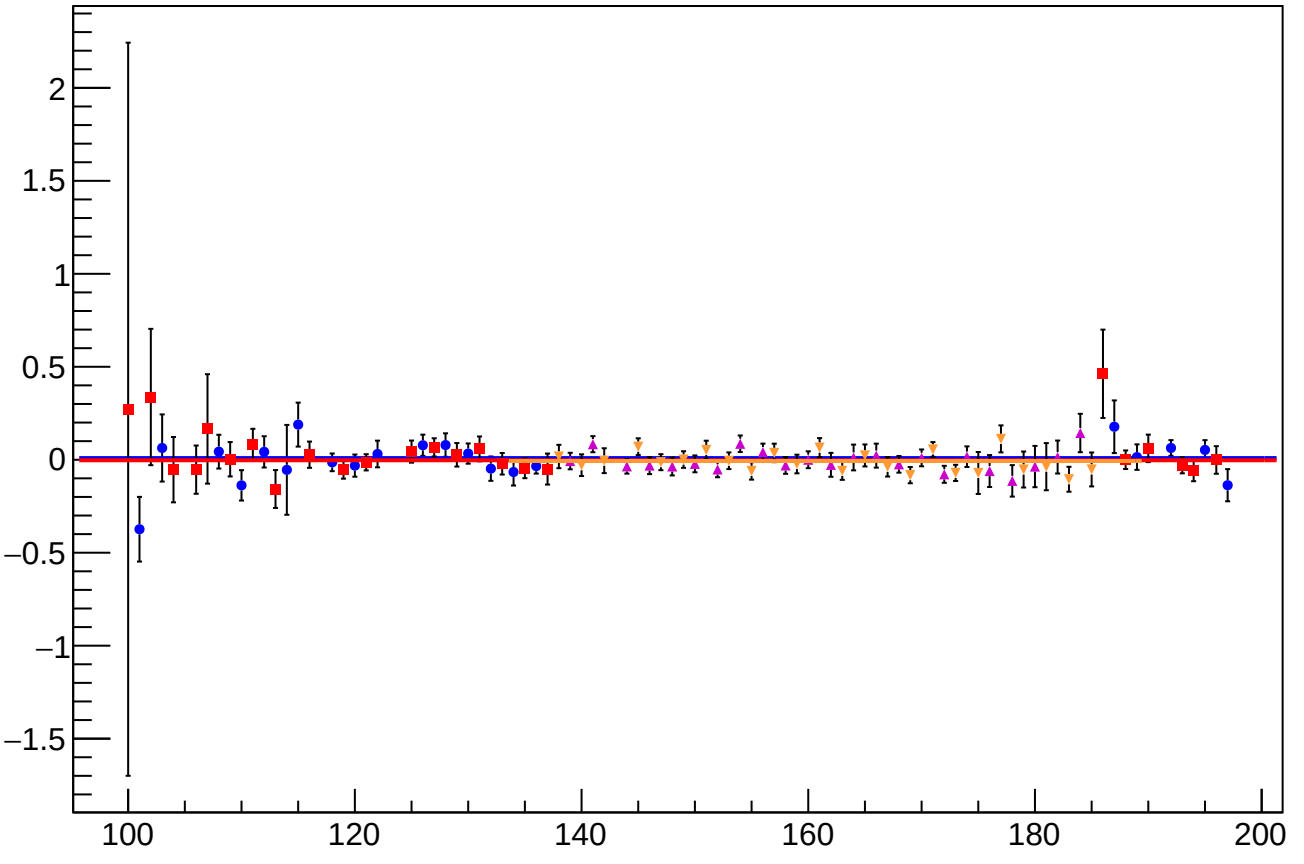
Right Out: 0.000+/-0.000 χ^2/NDF: 4618969.5/23

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5802320.7/44

All: 0.000+/-0.000 χ^2/NDF: 13466709.9/91

- sign 0.000+/-0.000 χ^2/NDF: 7652475.6/46



Right In: 0.009+/-0.015 χ^2/NDF: 24.1/20

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

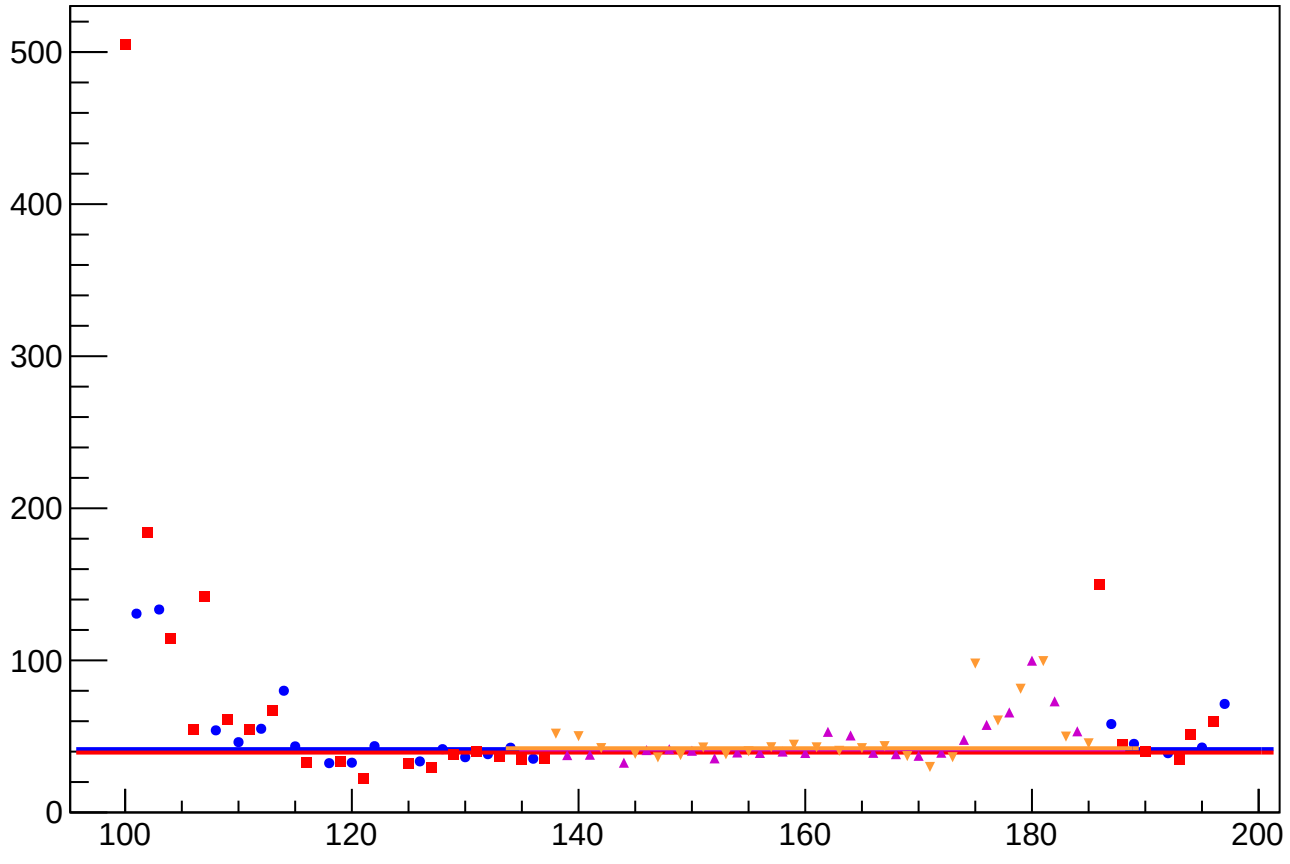
Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/23

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 48.8/44

All: -0.003+/-0.006 χ^2/NDF: 85.9/91

- sign -0.005+/-0.008 χ^2/NDF: 37.0/46



Right In: 41.640+/-0.010 χ^2/NDF: 1699061.5/20

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

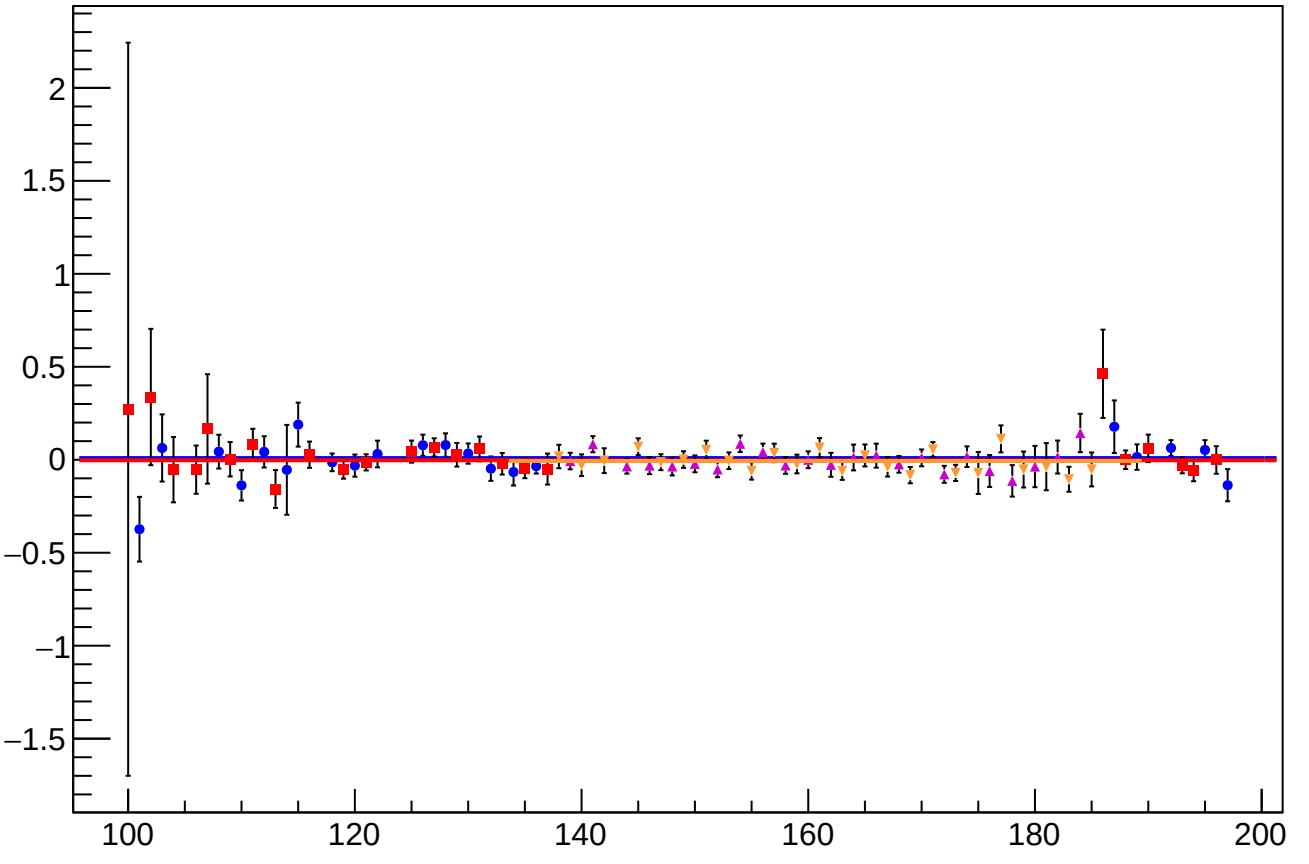
Right Out: 39.376+/-0.010 χ^2/NDF: 2598913.3/23

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 42.003+/-0.006 χ^2/NDF: 3520386.2/44

All: 41.308+/-0.004 χ^2/NDF: 7583456.4/91

- sign 40.651+/-0.006 χ^2/NDF: 4038383.4/46



Right In: 0.009+/-0.015 χ^2/NDF: 24.1/20

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

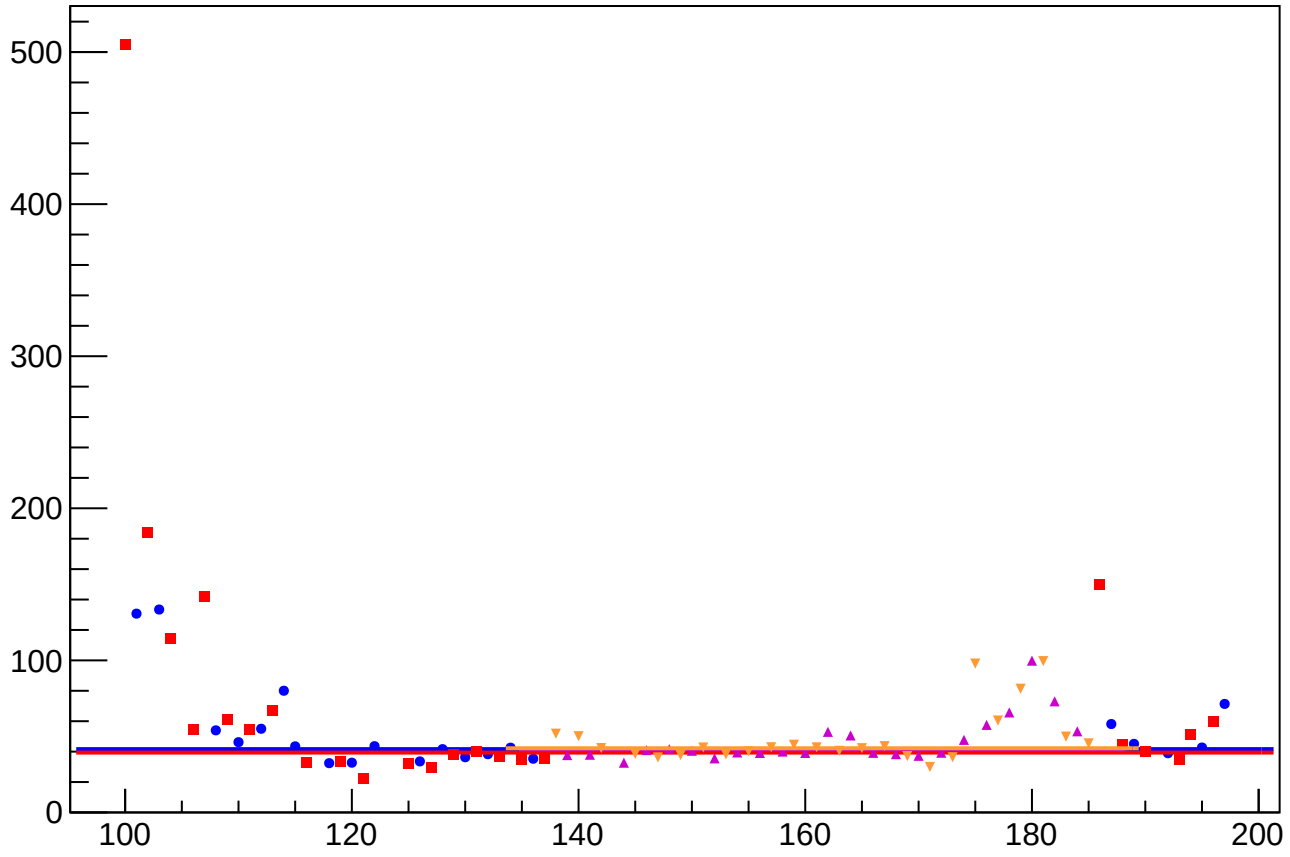
Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/23

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 48.8/44

All: -0.003+/-0.006 χ^2/NDF: 85.9/91

- sign -0.005+/-0.008 χ^2/NDF: 37.0/46



Right In: 41.640+/-0.010 χ^2/NDF: 1699061.5/20

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

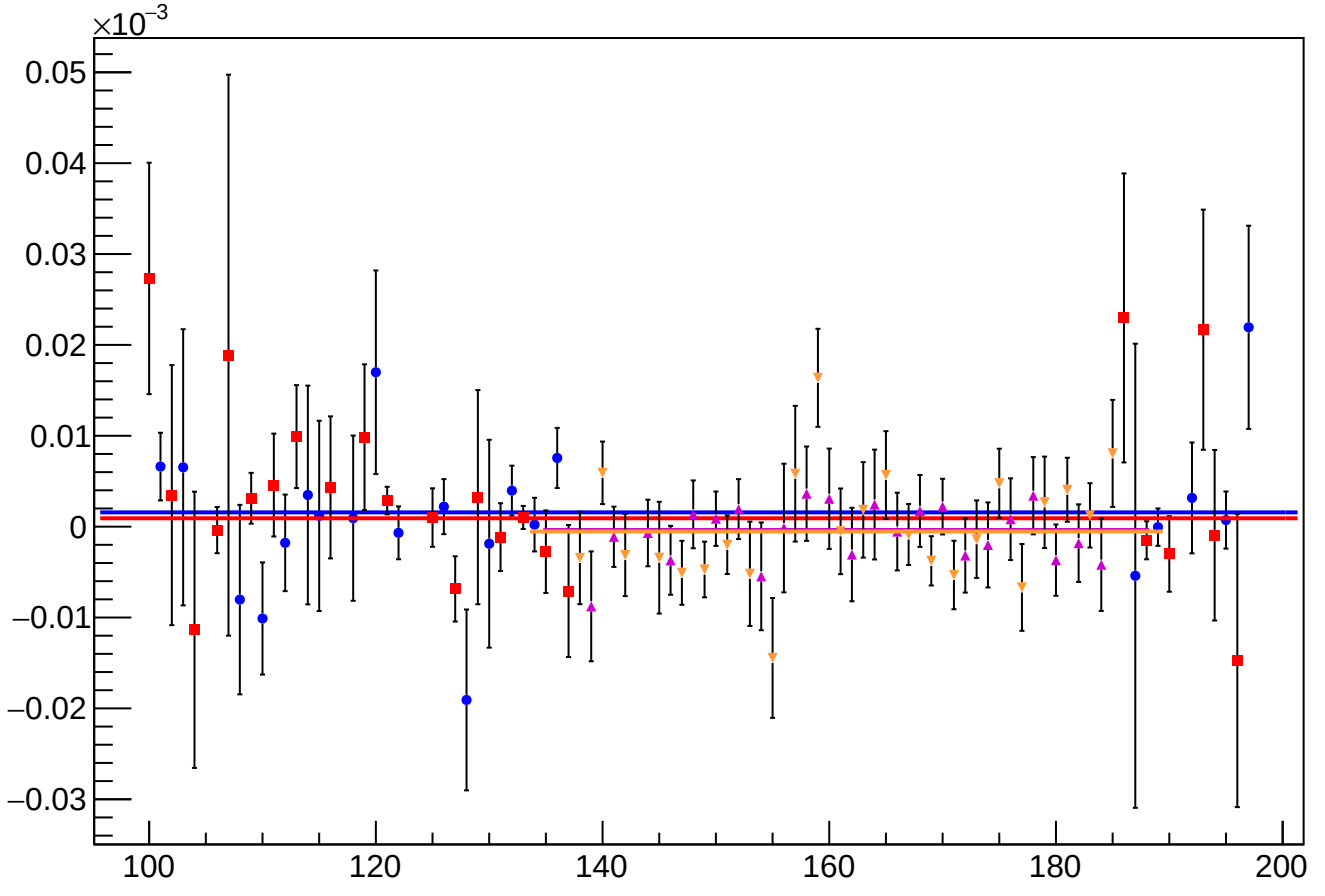
Right Out: 39.376+/-0.010 χ^2/NDF: 2598913.3/23

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 42.003+/-0.006 χ^2/NDF: 3520386.2/44

All: 41.308+/-0.004 χ^2/NDF: 7583456.4/91

- sign 40.651+/-0.006 χ^2/NDF: 4038383.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

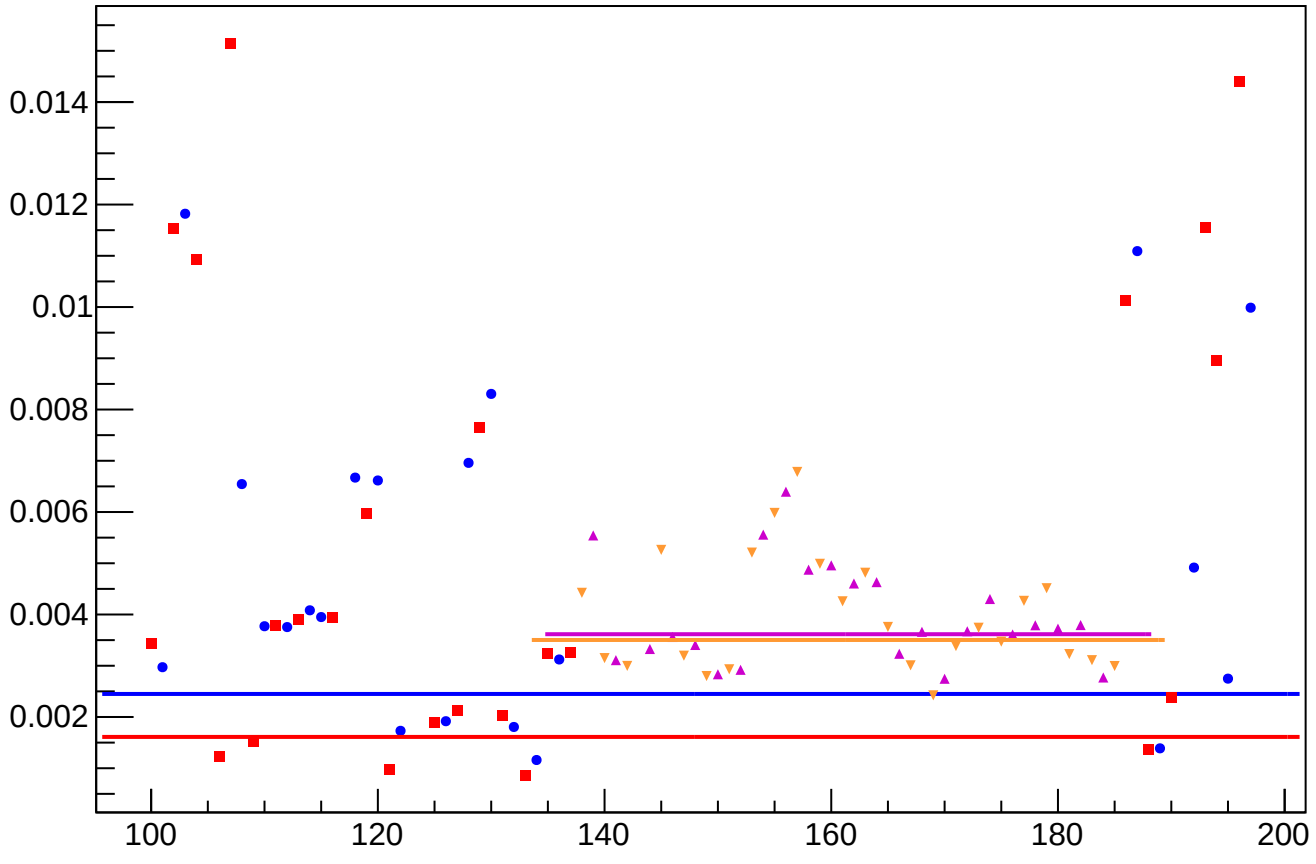
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/23

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.8/44

All: 0.000+/-0.000 χ^2/NDF: 99.5/91

- sign 0.000+/-0.000 χ^2/NDF: 37.7/46



Right In: 0.002+/-0.000 χ^2/NDF: 5815411.7/20

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

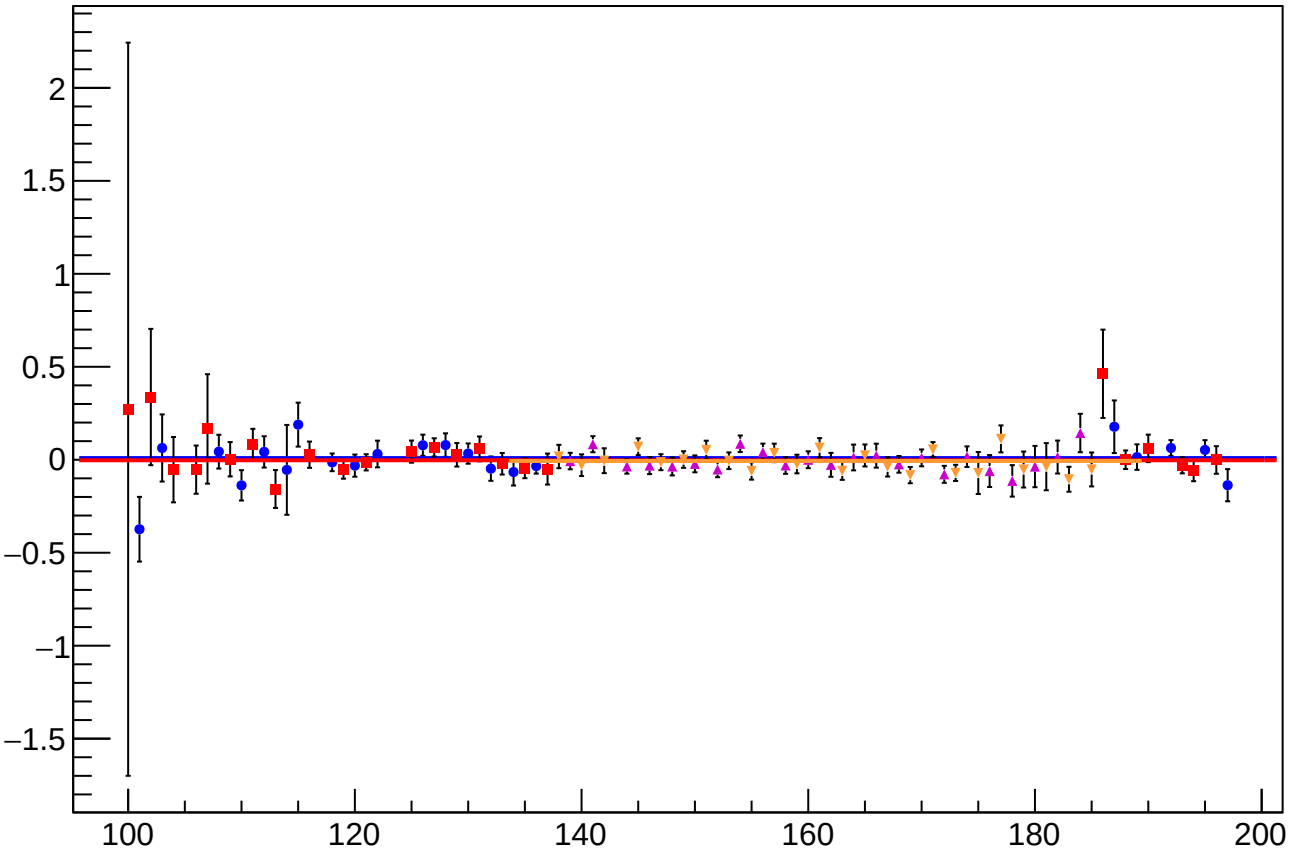
Right Out: 0.002+/-0.000 χ^2/NDF: 9902134.9/23

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 9403279.7/44

All: 0.003+/-0.000 χ^2/NDF: 28652804.8/91

- sign 0.002+/-0.000 χ^2/NDF: 18046387.2/46



Right In: 0.009+/-0.015 χ^2/NDF: 24.1/20

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

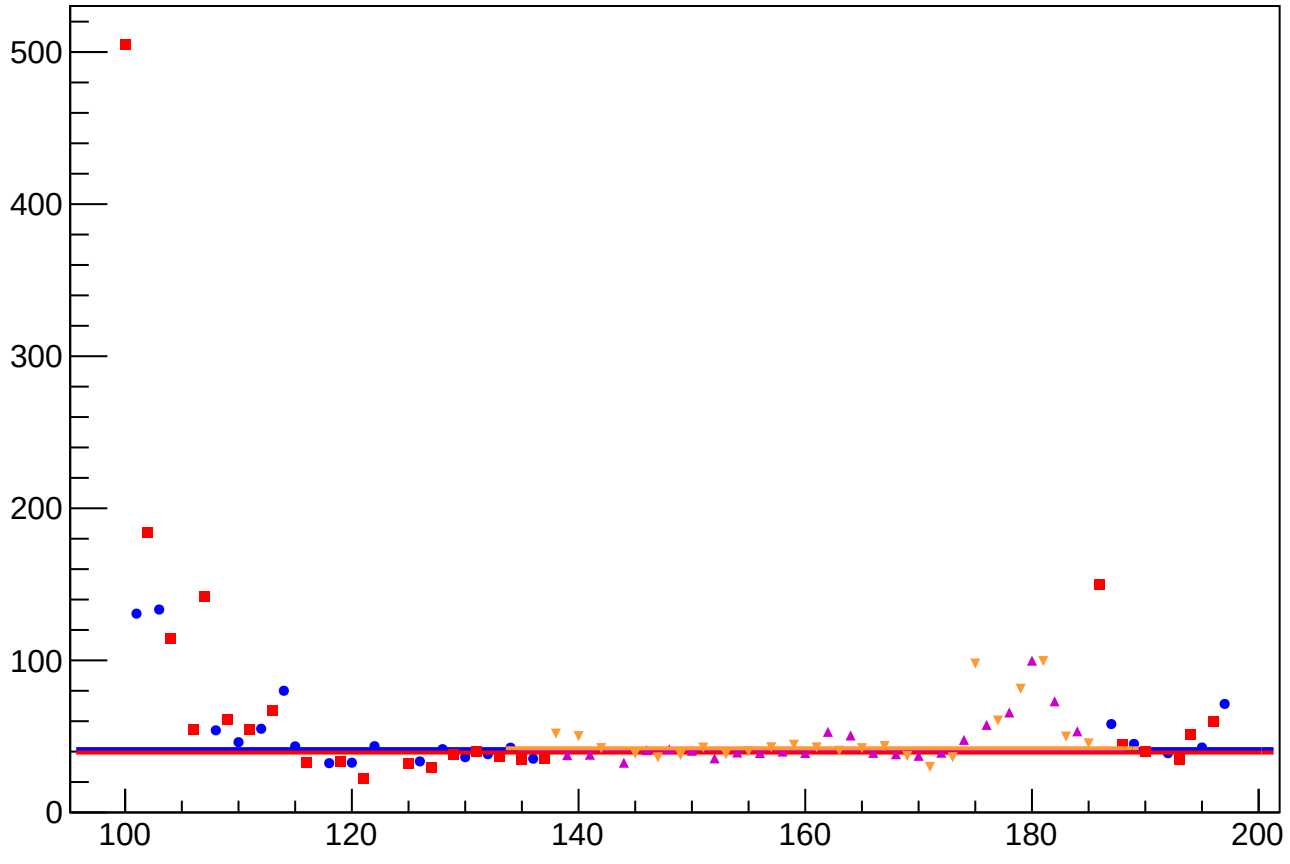
Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/23

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 48.8/44

All: -0.003+/-0.006 χ^2/NDF: 85.9/91

- sign -0.005+/-0.008 χ^2/NDF: 37.0/46



Right In: 41.641+/-0.010 χ^2/NDF: 1698943.4/20

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 39.374+/-0.010 χ^2/NDF: 2598991.3/23

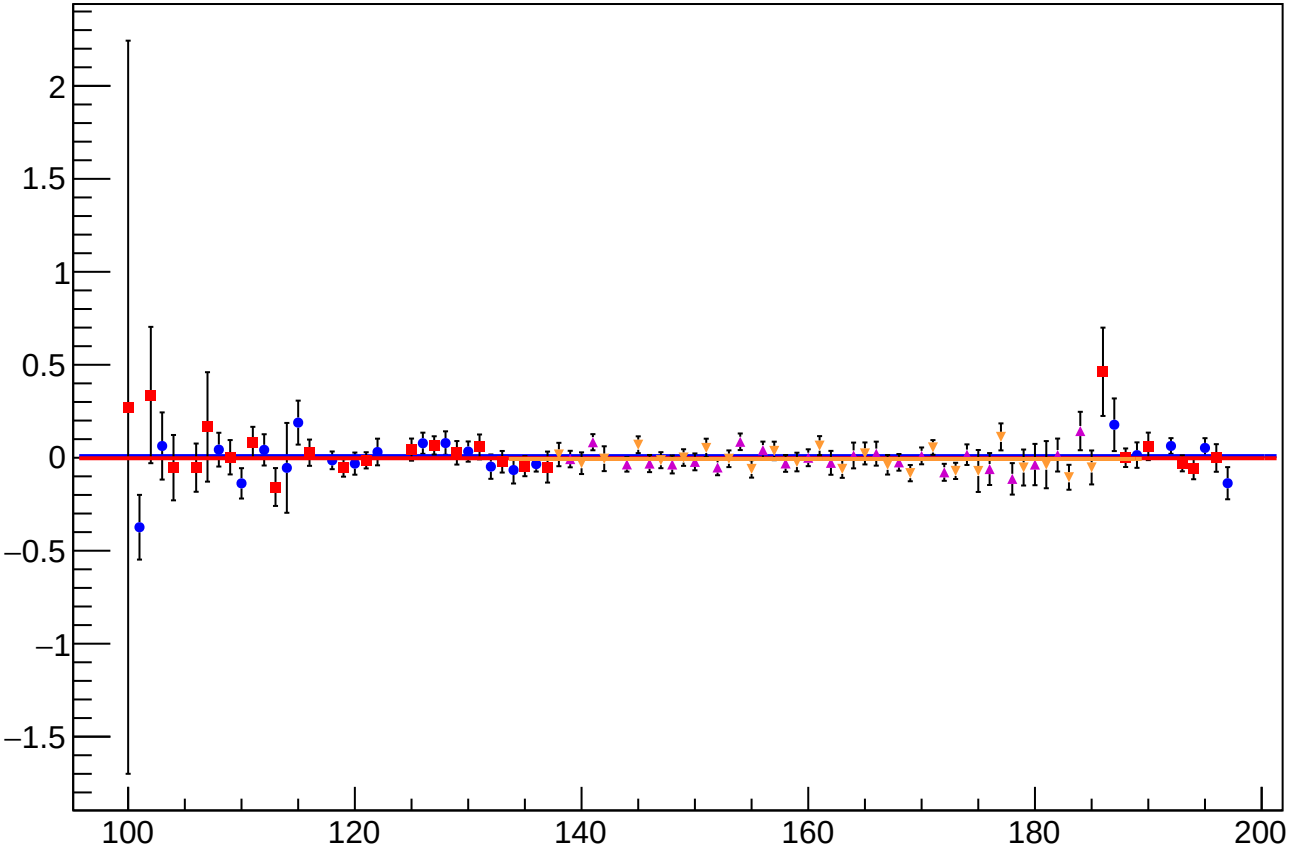
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 42.003+/-0.006 χ^2/NDF: 3520268.4/44

All: 41.308+/-0.004 χ^2/NDF: 7583394.0/91

\- sign 40.650+/-0.006 χ^2/NDF: 4038419.0/46

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.015 χ^2/NDF: 24.1/20

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

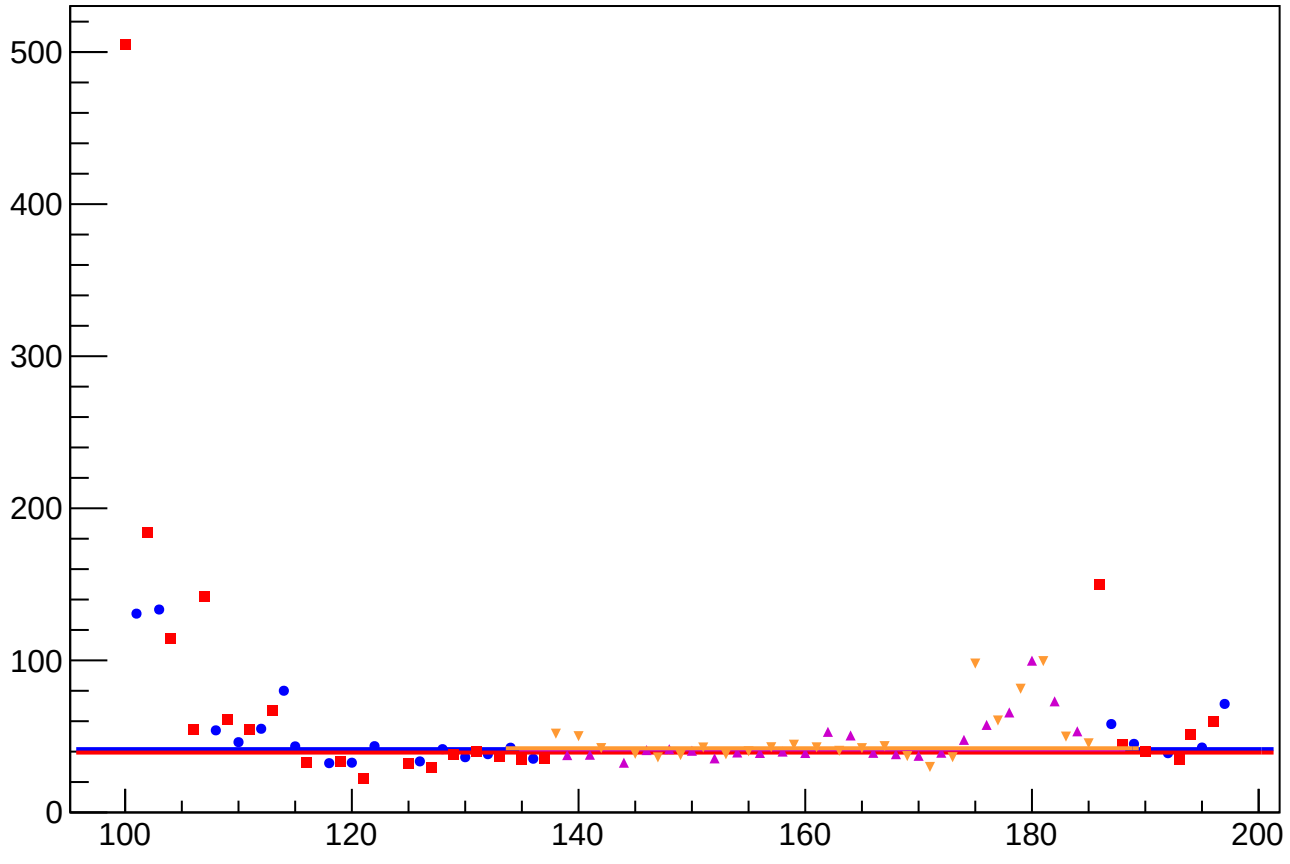
Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/23

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 48.8/44

All: -0.003+/-0.006 χ^2/NDF: 85.9/91

- sign -0.005+/-0.008 χ^2/NDF: 37.0/46



Right In: 41.641+/-0.010 χ^2/NDF: 1698943.4/20

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

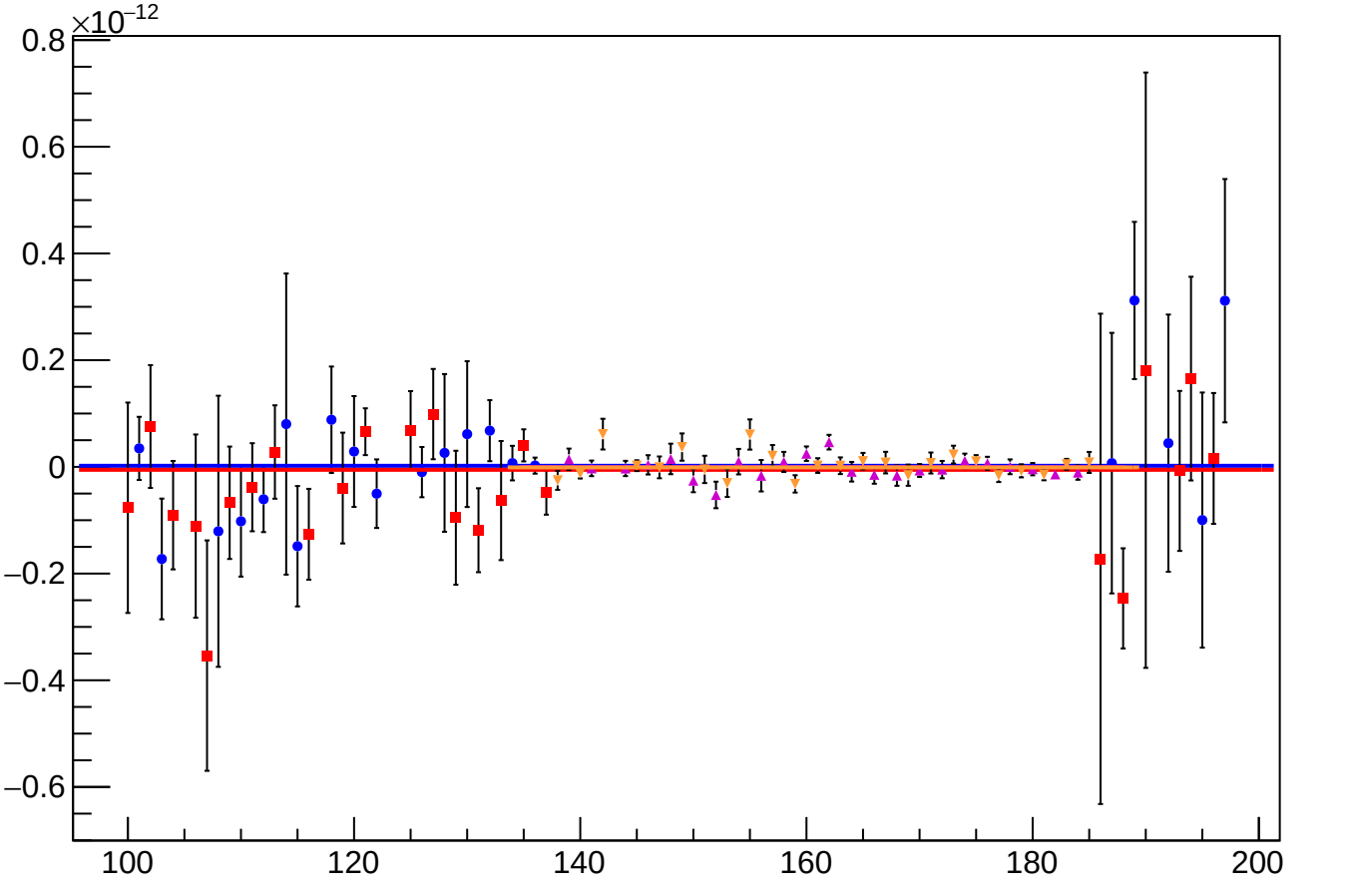
Right Out: 39.374+/-0.010 χ^2/NDF: 2598991.3/23

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 42.003+/-0.006 χ^2/NDF: 3520268.4/44

All: 41.308+/-0.004 χ^2/NDF: 7583394.0/91

- sign 40.650+/-0.006 χ^2/NDF: 4038419.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

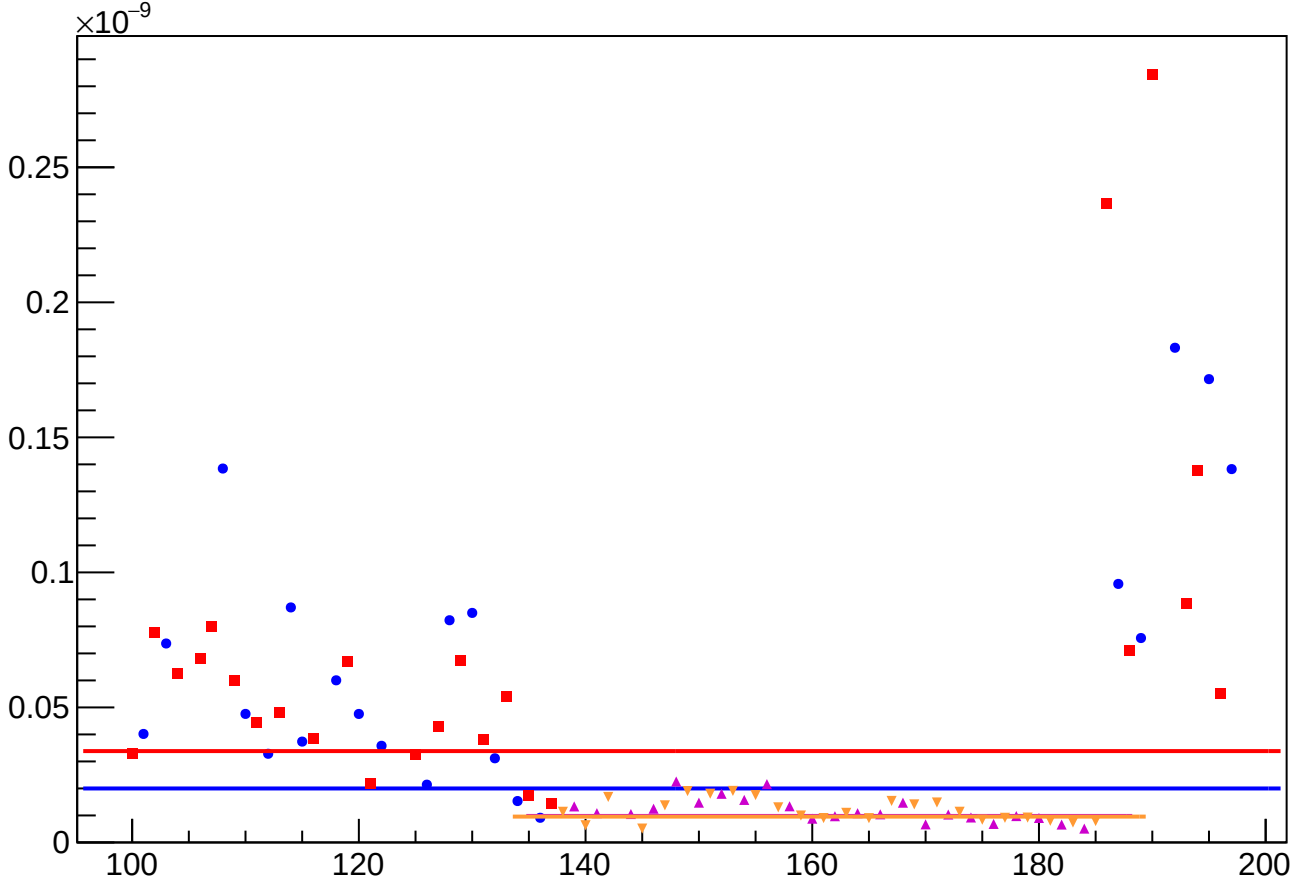
Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/23

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.0/44

All: -0.000+/-0.000 χ^2/NDF: 100.5/91

- sign -0.000+/-0.000 χ^2/NDF: 54.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 6794988.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4498009.0/23

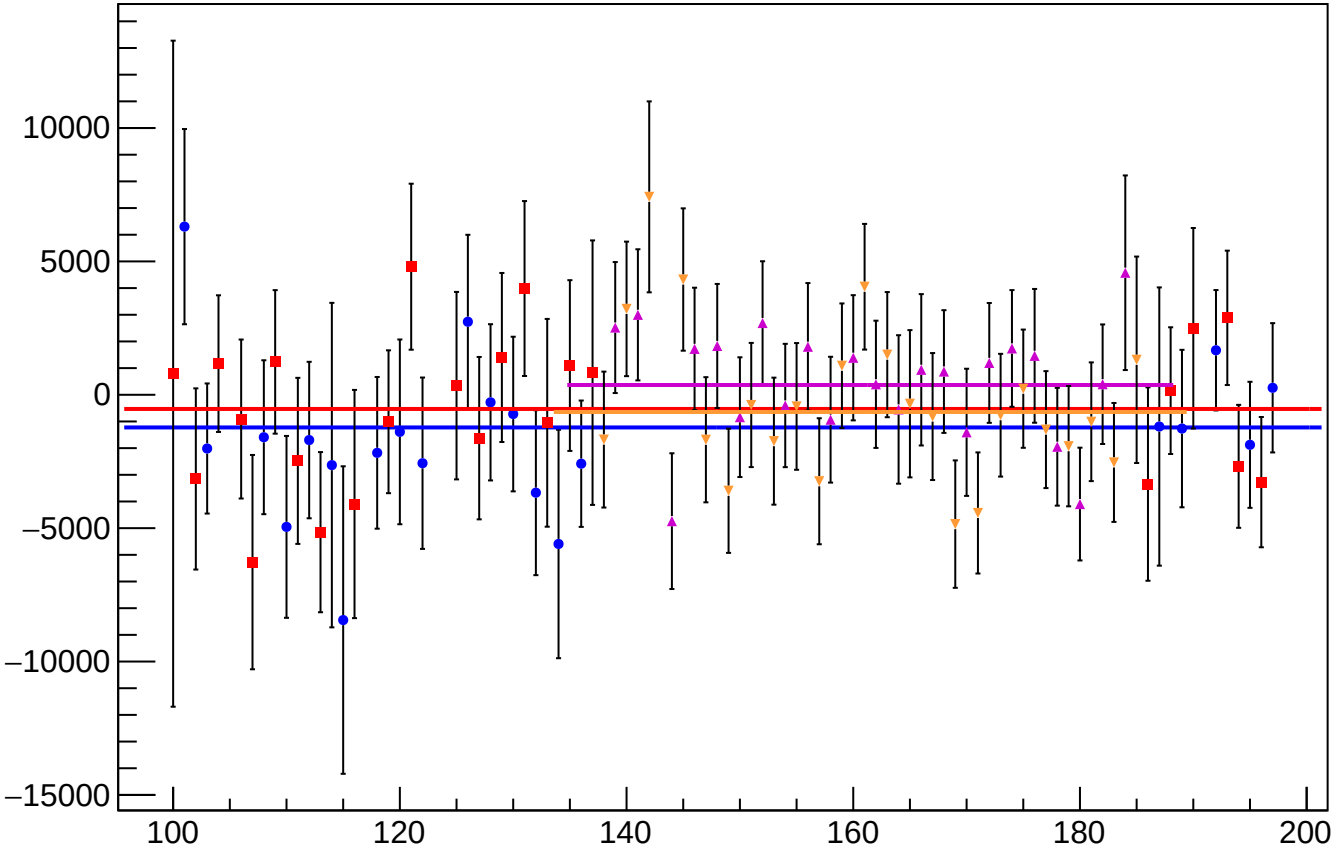
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10779226.9/44

All: 0.000+/-0.000 χ^2/NDF: 21931153.0/91

- sign 0.000+/-0.000 χ^2/NDF: 11128014.3/46

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1224.283+/-660.665 χ^2/NDF: 13.2/20

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -530.874+/-633.285 χ^2/NDF: 18.1/23

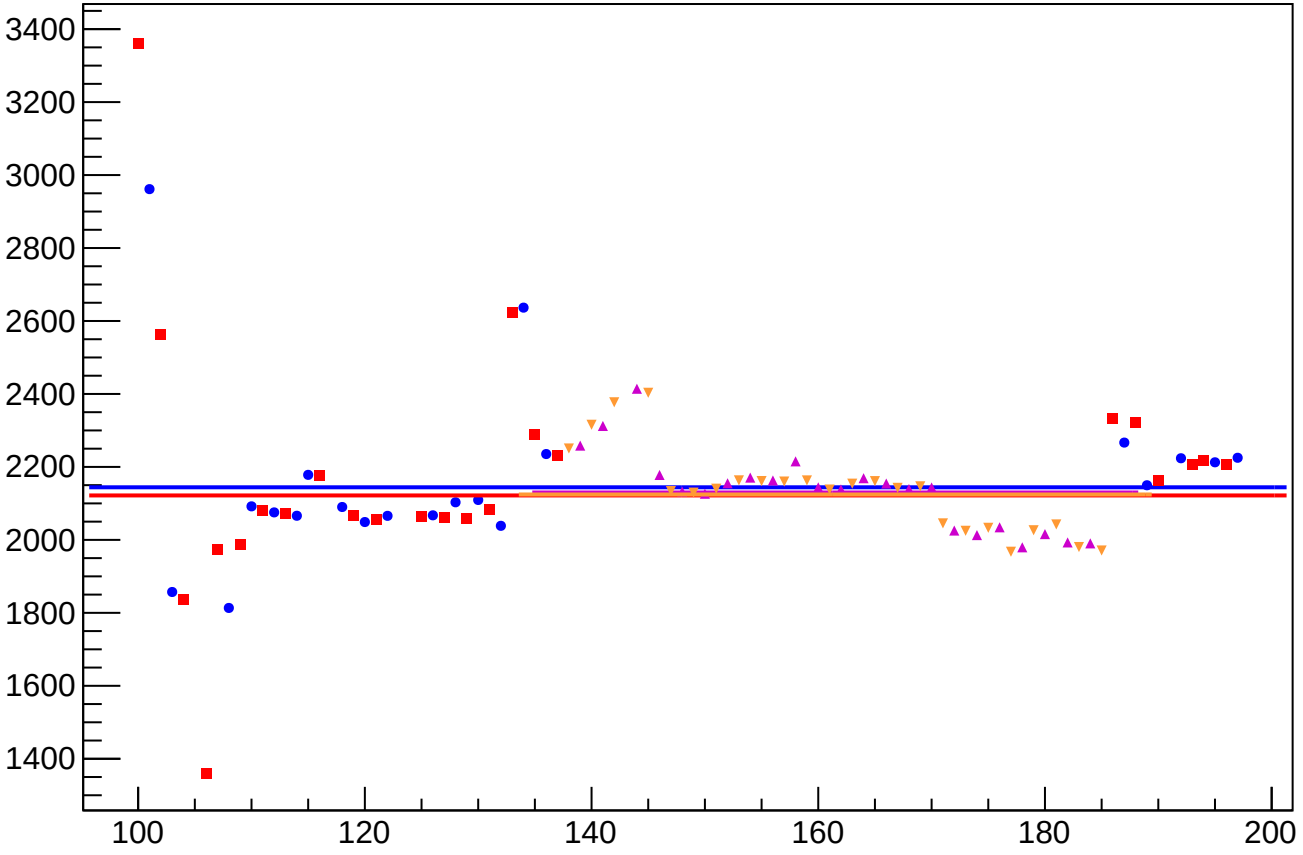
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -851.799+/-395.467 χ^2/NDF: 40.8/44

All: -409.455+/-278.192 χ^2/NDF: 79.9/91

- sign 23.861+/-391.410 χ^2/NDF: 36.6/46

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2144.148+/-0.467 χ^2/NDF: 200187.8/20

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

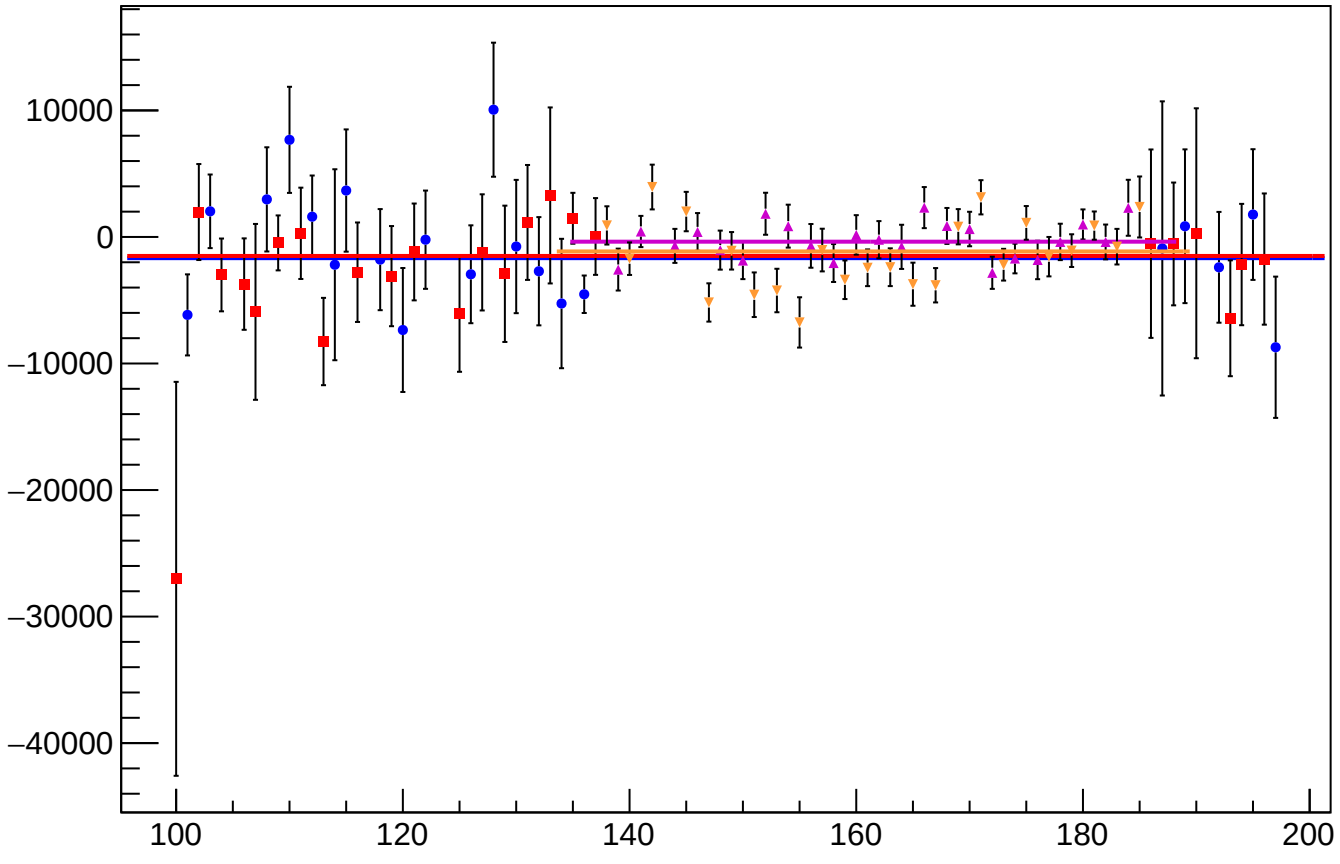
Right Out: 2121.822+/-0.448 χ^2/NDF: 290483.8/23

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2131.500+/-0.280 χ^2/NDF: 290514.3/44

All: 2129.132+/-0.197 χ^2/NDF: 666695.4/91

- sign 2126.812+/-0.277 χ^2/NDF: 376039.2/46



Right In: -1675.432+/-816.284 χ^2/NDF: 25.1/20

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

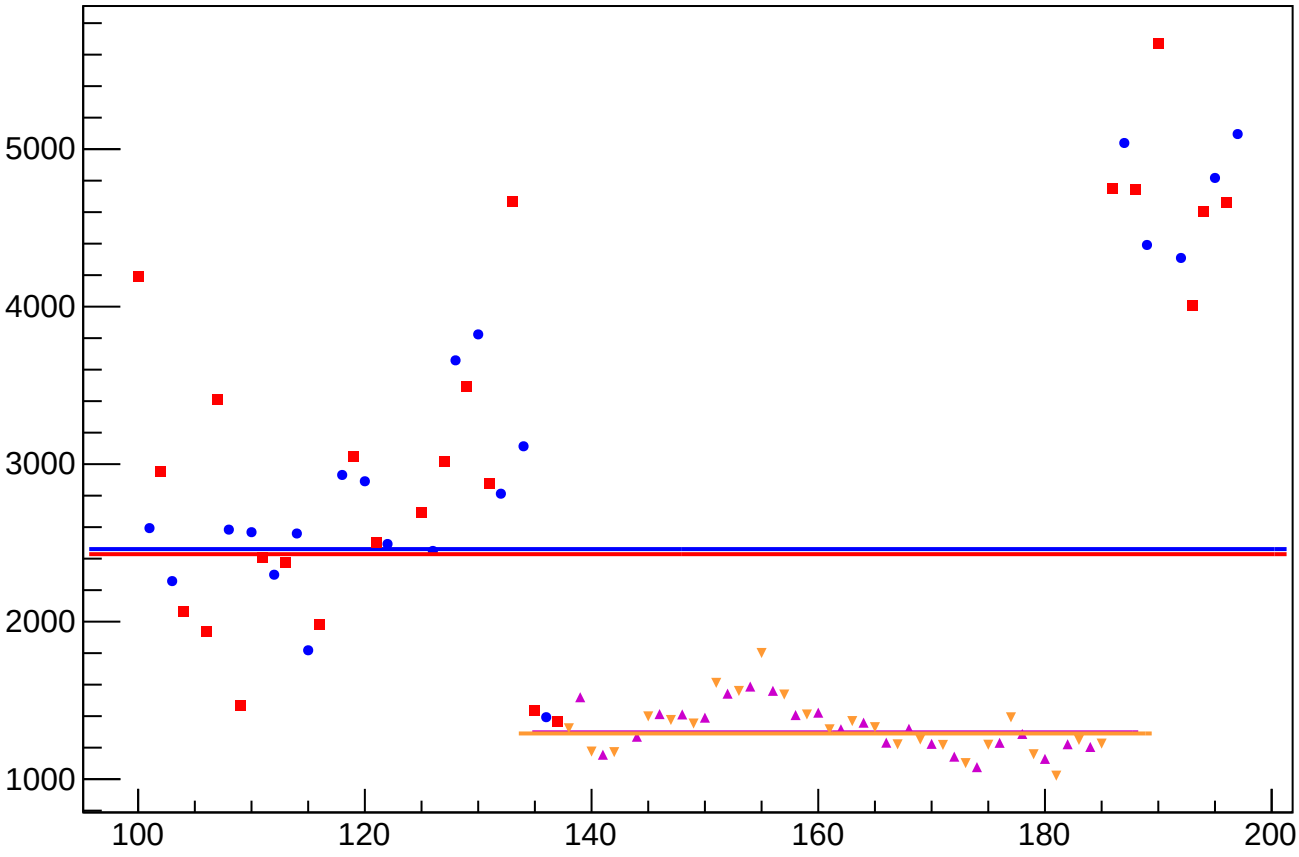
Right Out: -1501.307+/-786.883 χ^2/NDF: 14.8/23

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

\+ sign -1208.883+/-283.640 χ^2/NDF: 93.0/44

All: -866.191+/-200.934 χ^2/NDF: 132.8/91

\- sign -520.954+/-284.691 χ^2/NDF: 36.8/46



Right In: 2460.715+/-0.577 χ^2/NDF: 2941172.9/20

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2428.408+/-0.556 χ^2/NDF: 3600334.7/23

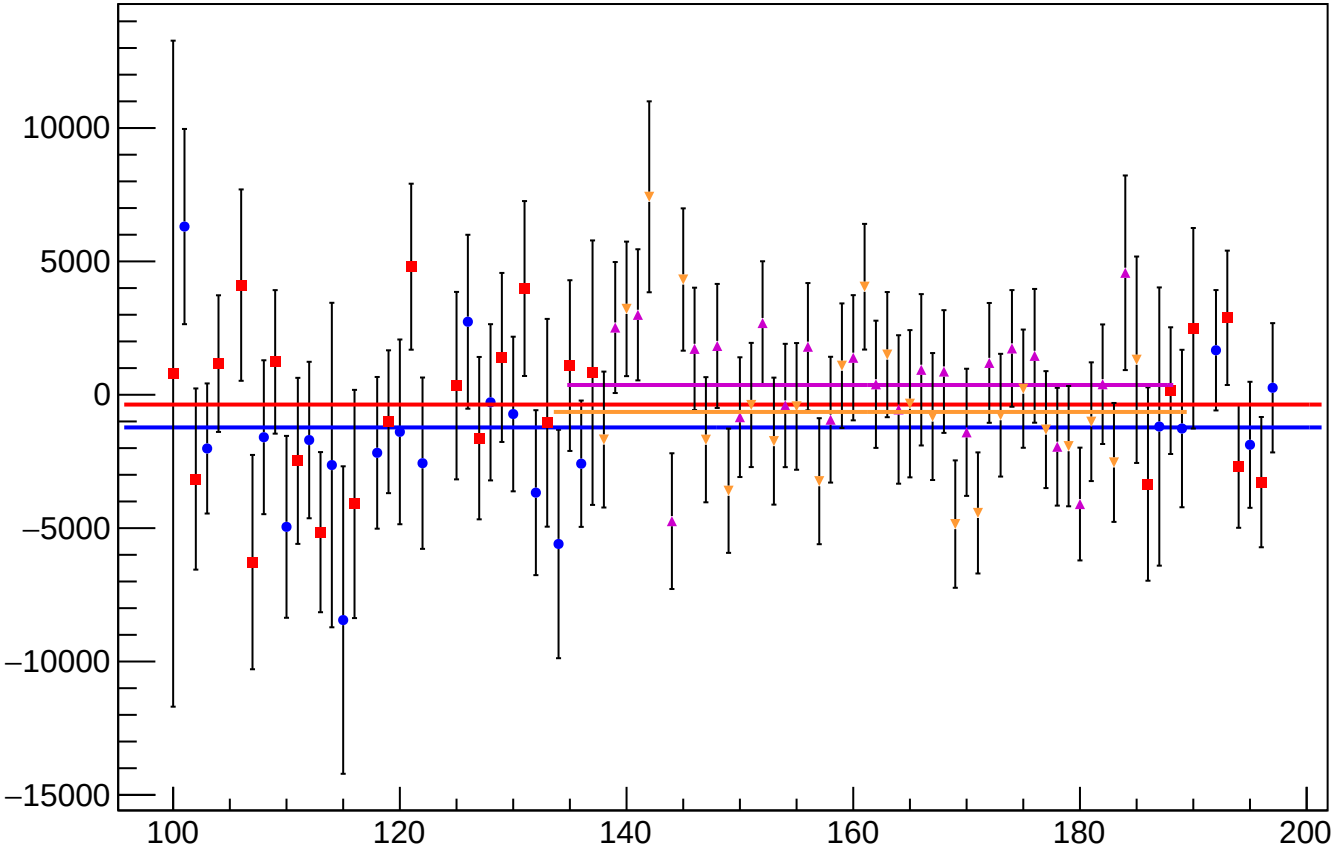
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1431.378+/-0.201 χ^2/NDF: 7126094.1/44

All: 1438.409+/-0.142 χ^2/NDF: 14753528.4/9

- sign 1445.492+/-0.201 χ^2/NDF: 7624967.4/46

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1224.250+/-660.665 χ^2/NDF: 13.2/20

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -367.152+/-637.764 χ^2/NDF: 19.7/23

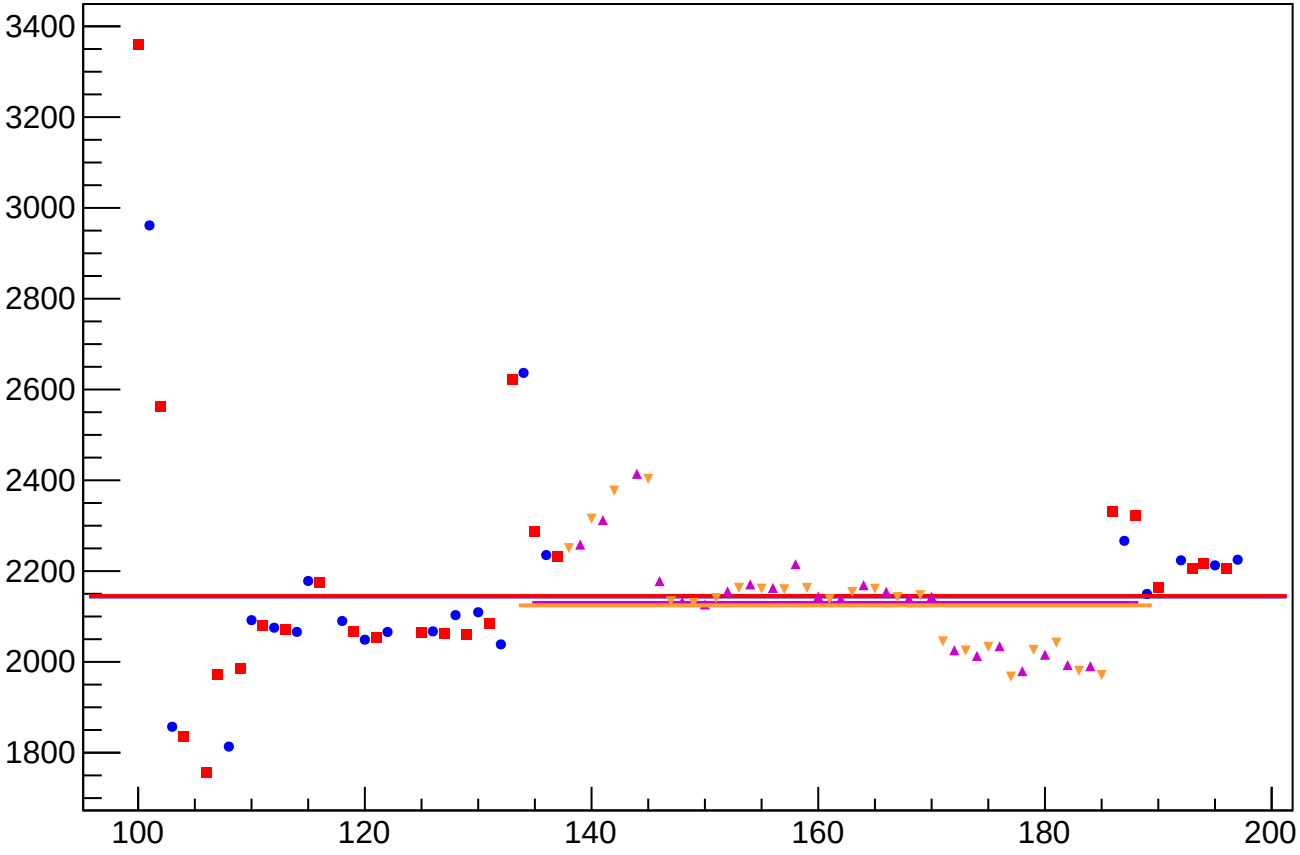
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -851.699+/-395.467 χ^2/NDF: 40.8/44

All: -377.875+/-278.568 χ^2/NDF: 81.5/91

- sign 88.773+/-392.461 χ^2/NDF: 37.8/46

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2144.148+/-0.467 χ^2/NDF: 200188.2/20

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

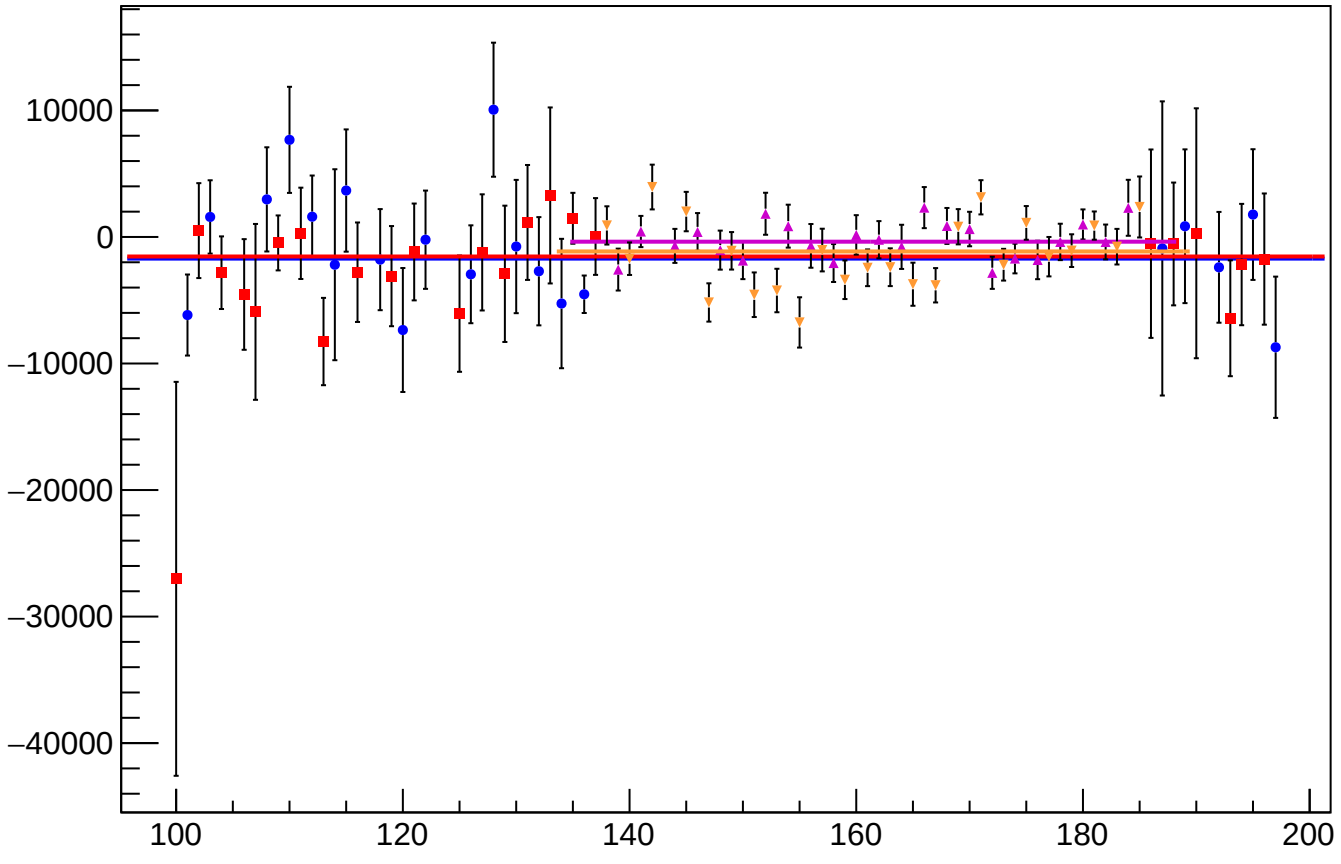
Right Out: 2145.116+/-0.451 χ^2/NDF: 178193.5/23

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

\+ sign 2131.500+/-0.280 χ^2/NDF: 290514.6/44

All: 2133.596+/-0.197 χ^2/NDF: 554881.7/91

\- sign 2135.660+/-0.278 χ^2/NDF: 264255.6/46



Right In: -1709.454+/-816.037 χ^2/NDF: 24.7/20

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

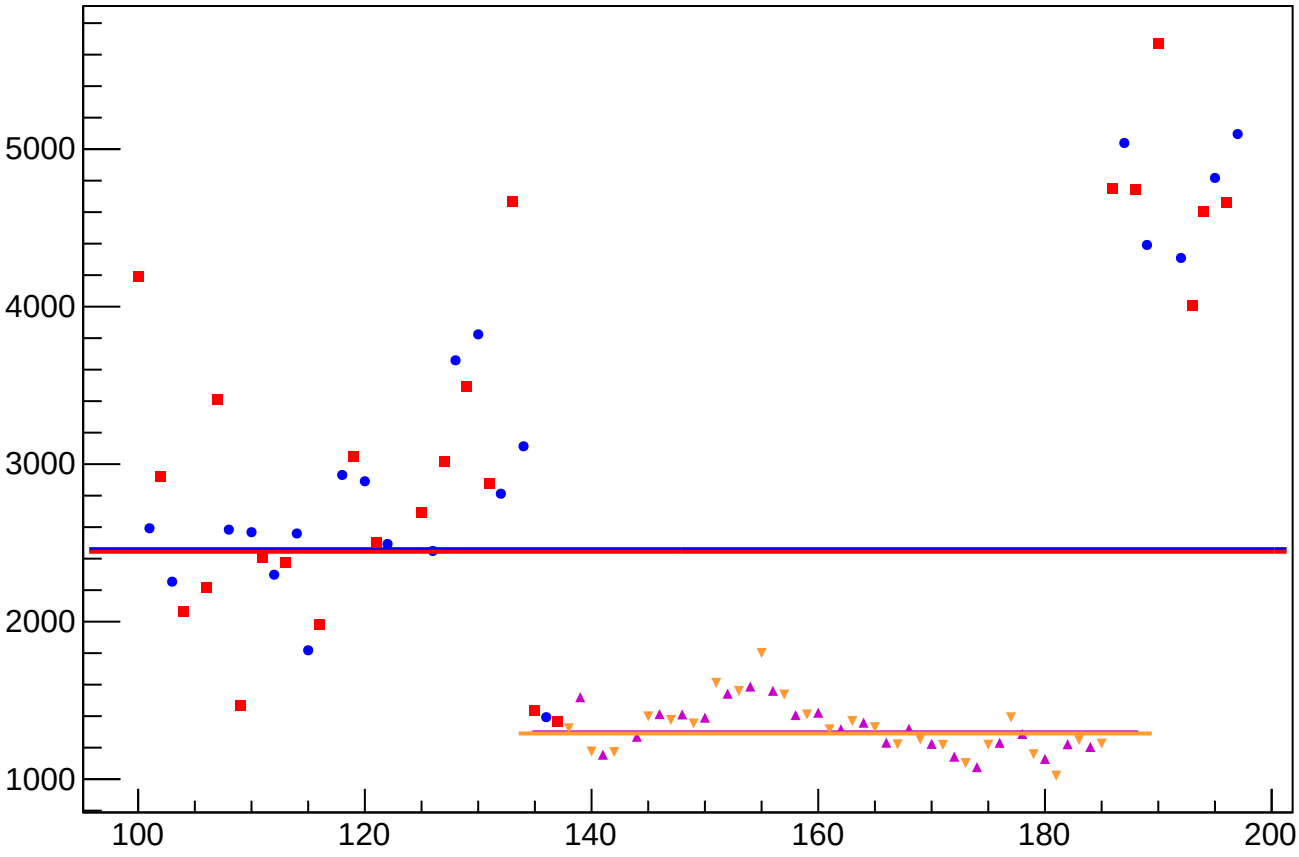
Right Out: -1543.617+/-792.334 χ^2/NDF: 14.2/23

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1212.995+/-283.631 χ^2/NDF: 92.7/44

All: -870.372+/-201.021 χ^2/NDF: 132.1/91

- sign -524.563+/-284.947 χ^2/NDF: 36.5/46



Right In: 2460.260+/-0.577 χ^2/NDF: 2941501.1/20

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

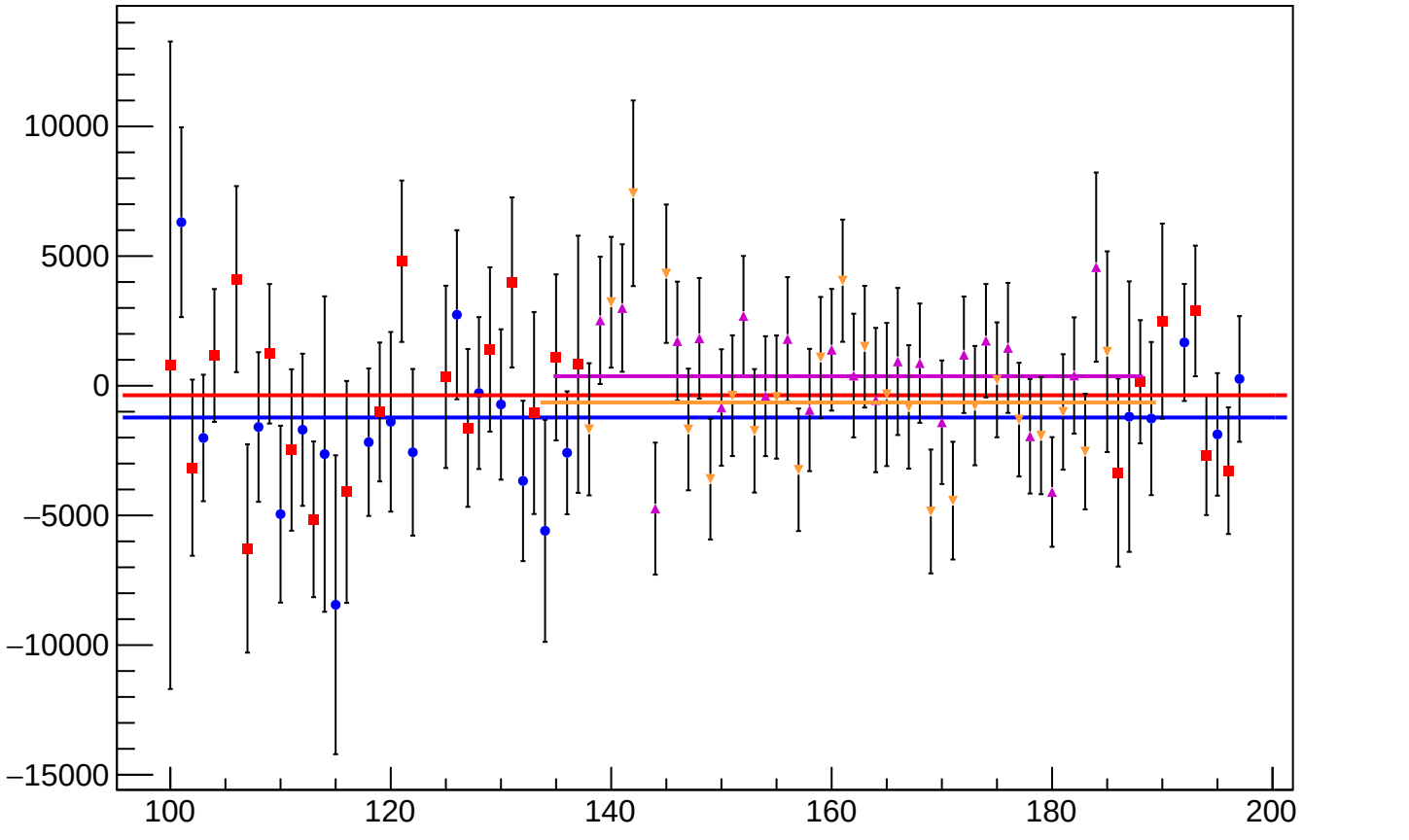
Right Out: 2443.826+/-0.560 χ^2/NDF: 3564781.0/23

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1431.410+/-0.201 χ^2/NDF: 7125395.6/44

All: 1438.533+/-0.142 χ^2/NDF: 14771854.1/9

- sign 1445.722+/-0.201 χ^2/NDF: 7643924.1/46



Right In: -1224.250+/-660.665 χ^2/NDF: 13.2/20

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -367.152+/-637.764 χ^2/NDF: 19.7/23

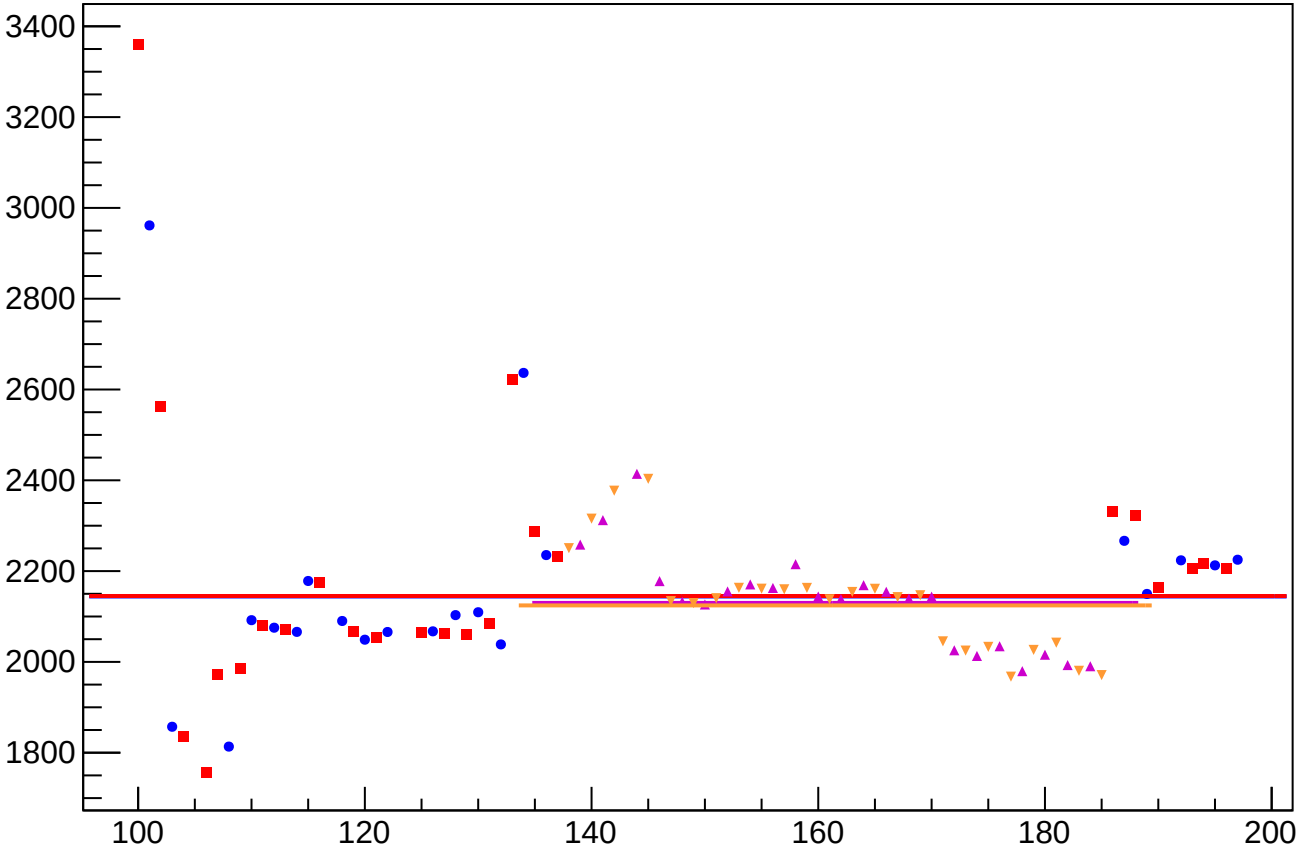
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

\+ sign -851.699+/-395.467 χ^2/NDF: 40.8/44

All: -377.875+/-278.568 χ^2/NDF: 81.5/91

\- sign 88.773+/-392.461 χ^2/NDF: 37.8/46

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2144.148+/-0.467 χ^2/NDF: 200188.2/20

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

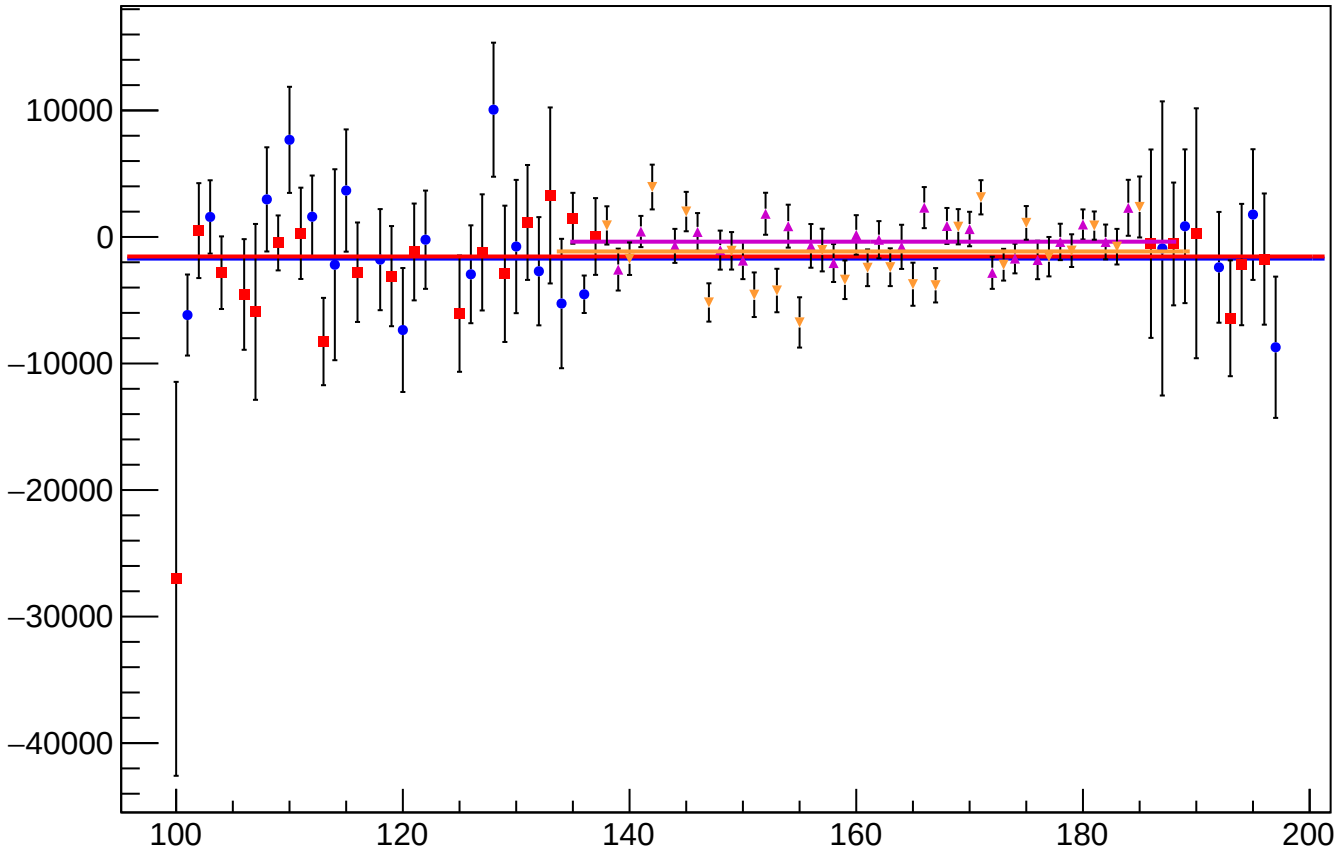
Right Out: 2145.116+/-0.451 χ^2/NDF: 178193.5/23

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2131.500+/-0.280 χ^2/NDF: 290514.6/44

All: 2133.596+/-0.197 χ^2/NDF: 554881.7/91

- sign 2135.660+/-0.278 χ^2/NDF: 264255.6/46



Right In: -1709.454+/-816.037 χ^2/NDF: 24.7/20

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

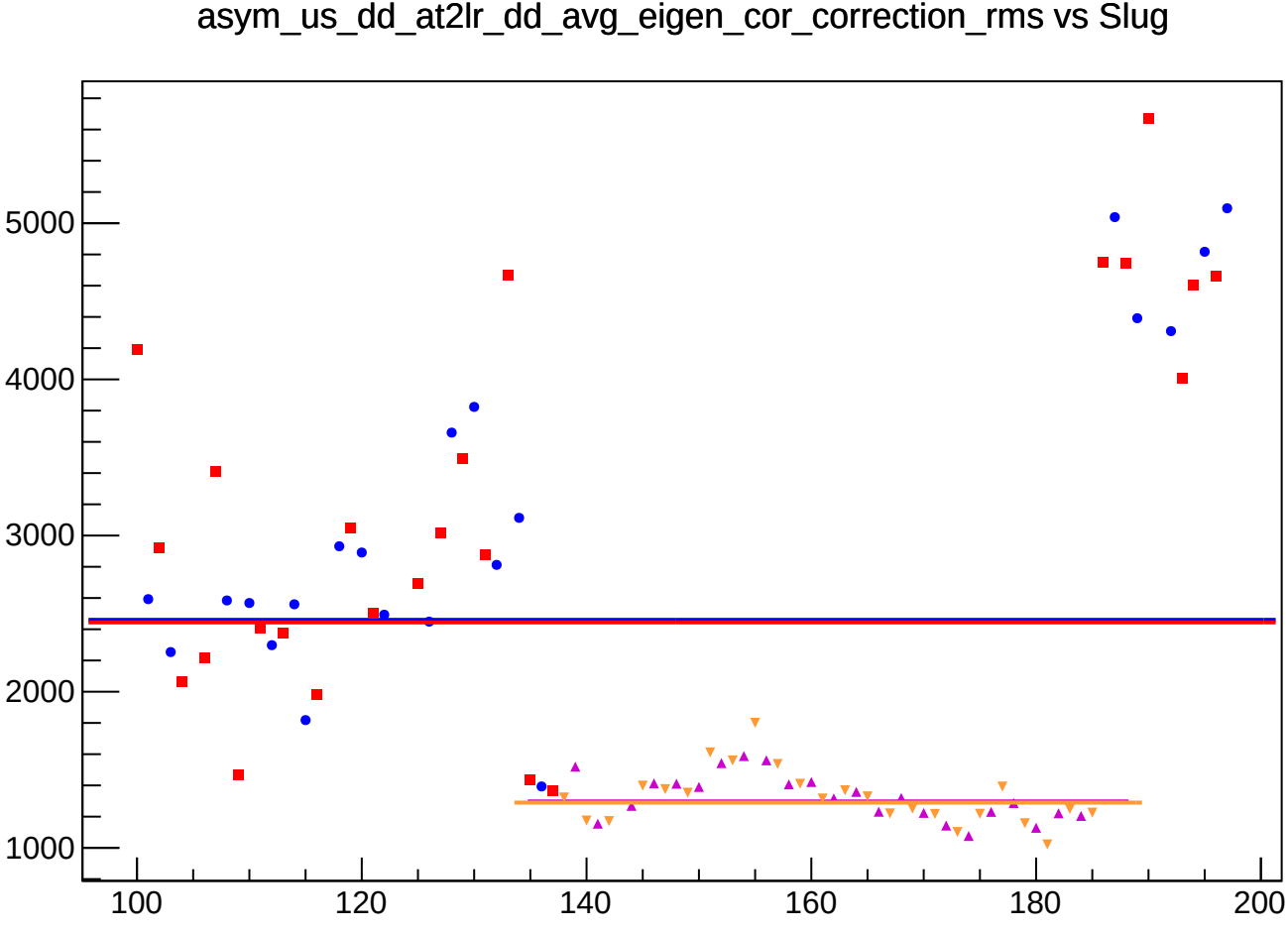
Right Out: -1543.617+/-792.334 χ^2/NDF: 14.2/23

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1212.995+/-283.631 χ^2/NDF: 92.7/44

All: -870.372+/-201.021 χ^2/NDF: 132.1/91

- sign -524.563+/-284.947 χ^2/NDF: 36.5/46



Right In: 2460.260+/-0.577 χ^2/NDF: 2941501.1/20

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

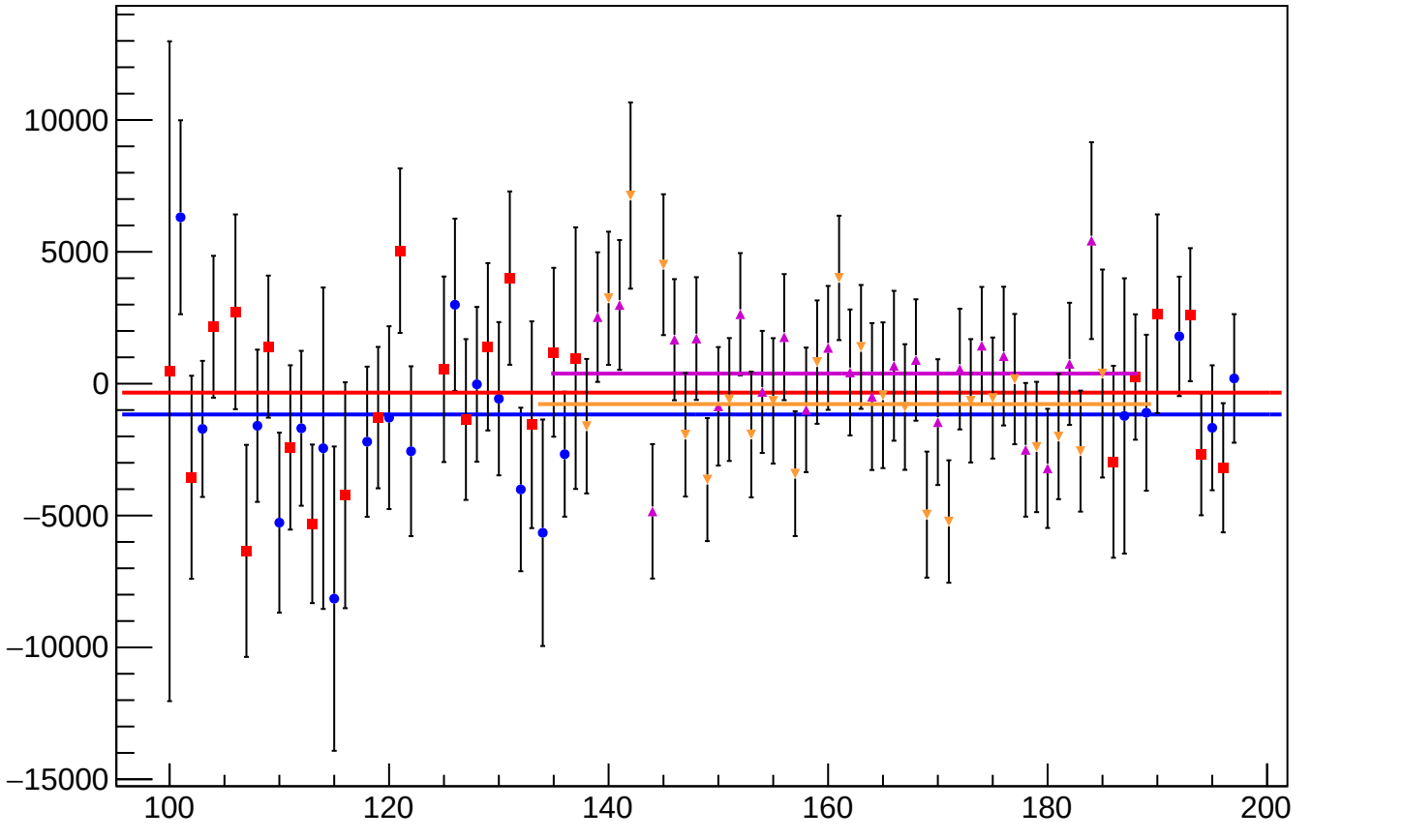
Right Out: 2443.826+/-0.560 χ^2/NDF: 3564781.0/23

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1431.410+/-0.201 χ^2/NDF: 7125395.6/44

All: 1438.533+/-0.142 χ^2/NDF: 14771854.1/9

- sign 1445.722+/-0.201 χ^2/NDF: 7643924.1/46



Right In: -1167.064+/-664.741 χ^2/NDF: 13.7/20

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -338.697+/-643.783 χ^2/NDF: 19.6/23

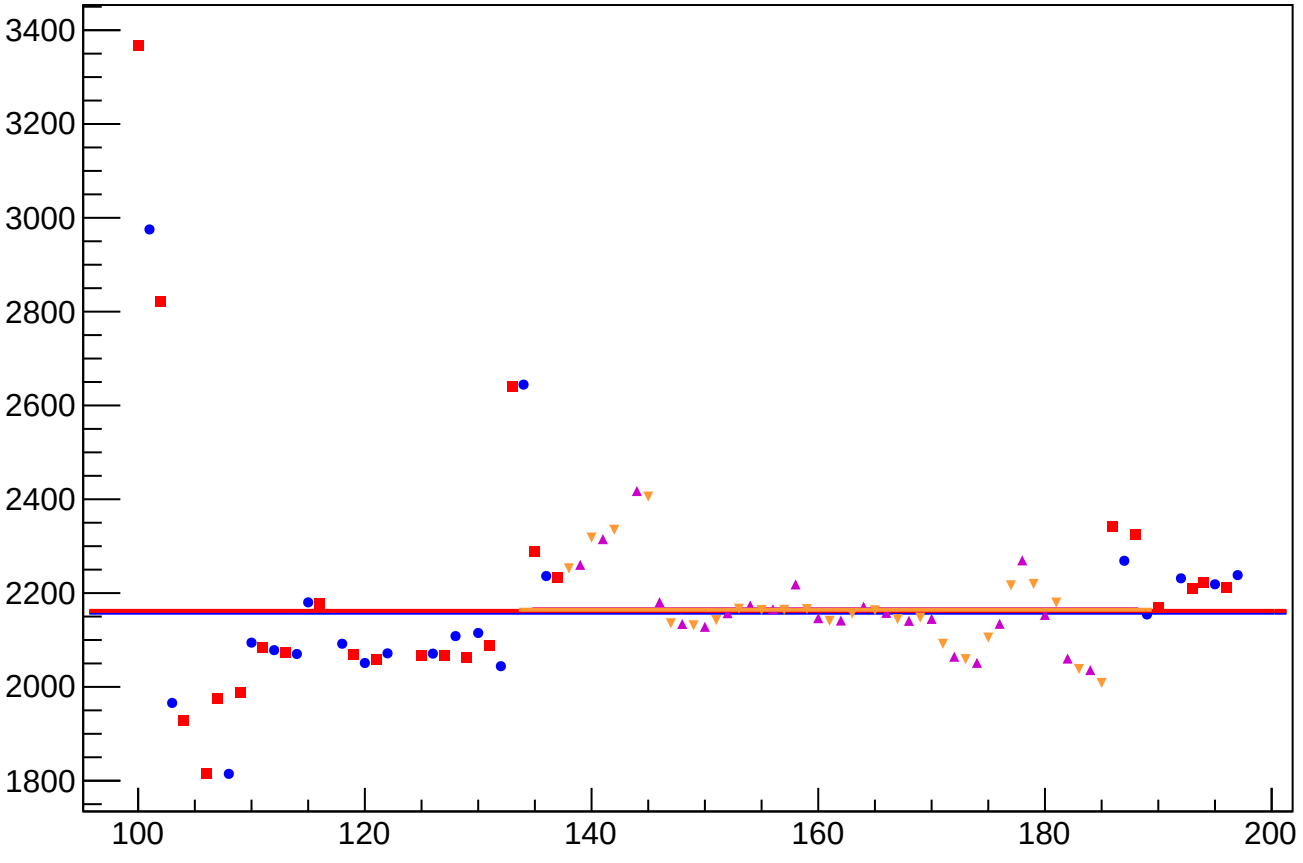
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -916.780+/-401.016 χ^2/NDF: 42.5/44

All: -399.938+/-282.436 χ^2/NDF: 81.8/91

- sign 108.778+/-397.851 χ^2/NDF: 36.0/46

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2158.175+/-0.470 χ^2/NDF: 184677.5/20

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

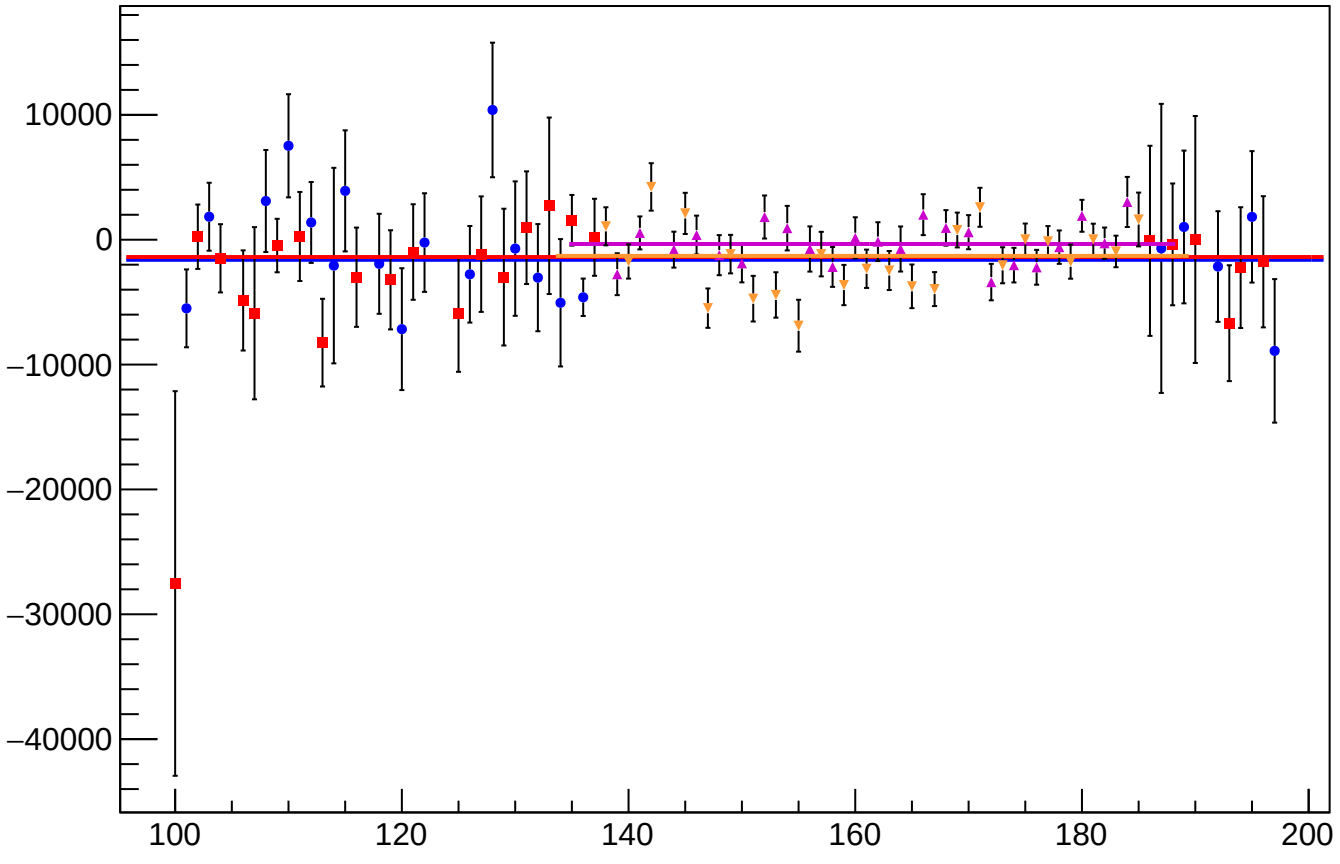
Right Out: 2162.088+/-0.455 χ^2/NDF: 186912.0/23

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2162.219+/-0.284 χ^2/NDF: 235470.1/44

All: 2163.260+/-0.200 χ^2/NDF: 474571.1/91

- sign 2164.285+/-0.281 χ^2/NDF: 239074.2/46



Right In: -1606.046+/-815.323 χ^2/NDF: 24.9/20

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

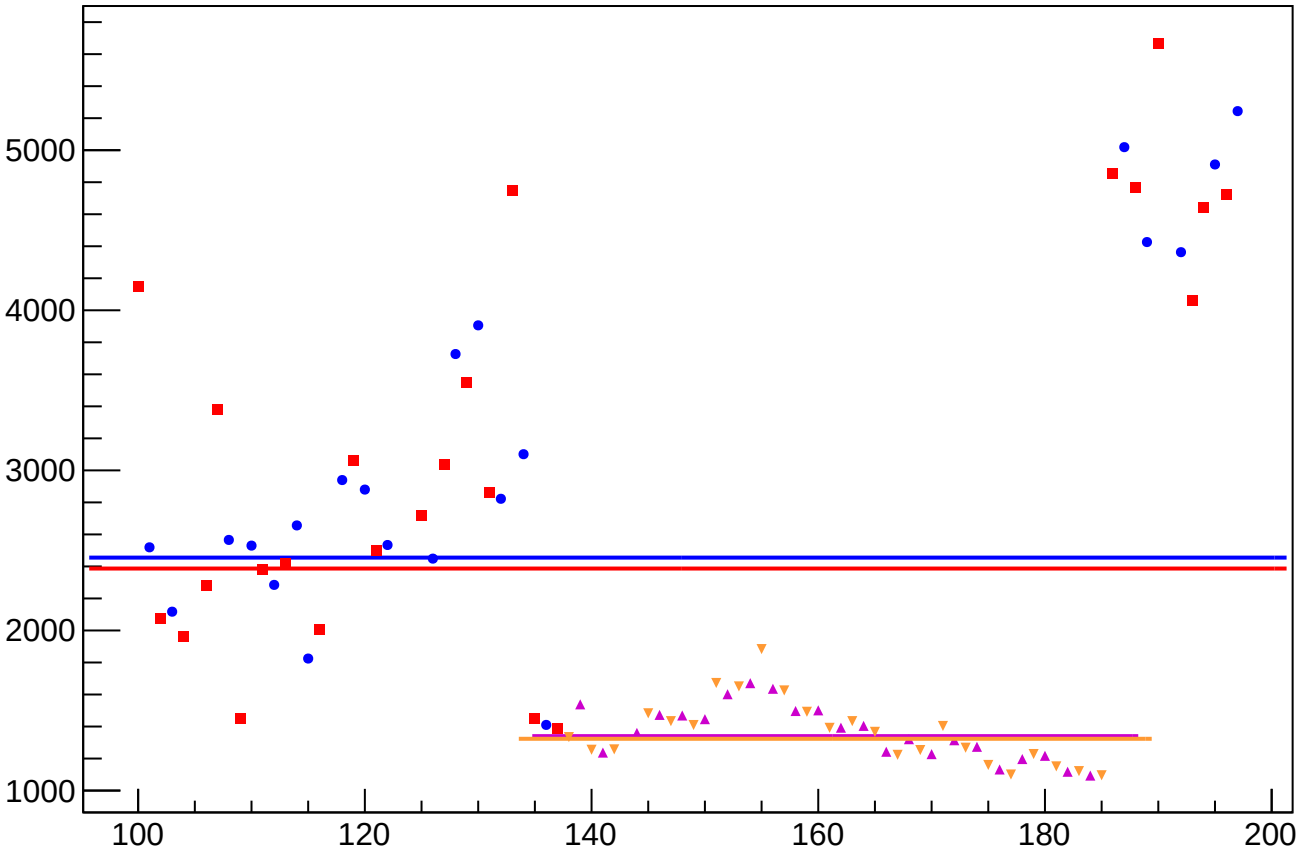
Right Out: -1386.633+/-770.835 χ^2/NDF: 14.5/23

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1333.303+/-290.270 χ^2/NDF: 83.7/44

All: -914.868+/-205.875 χ^2/NDF: 128.7/91

- sign -491.309+/-292.041 χ^2/NDF: 40.9/46



Right In: 2455.171+/-0.577 χ^2/NDF: 2978420.5/20

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

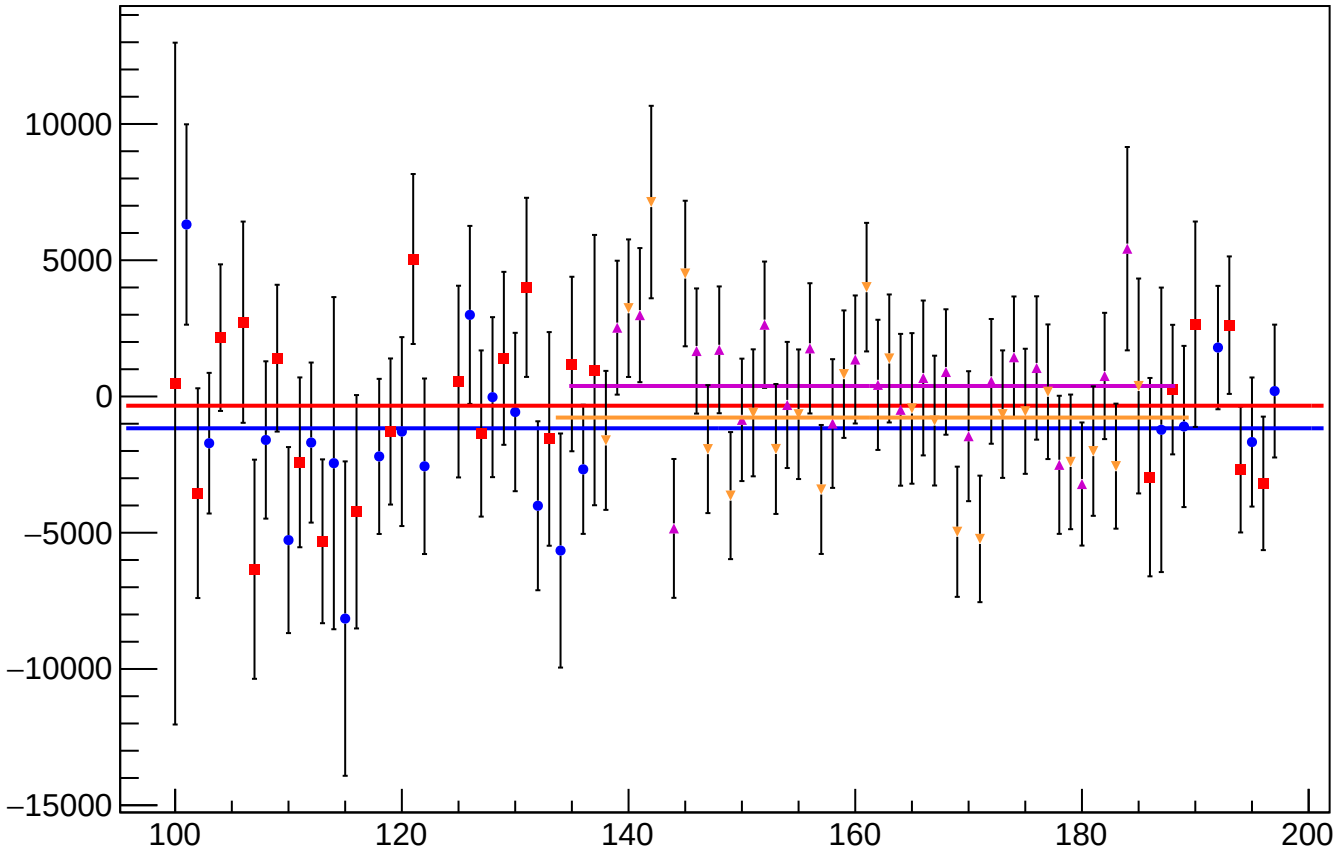
Right Out: 2386.866+/-0.545 χ^2/NDF: 3626670.1/23

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1466.853+/-0.205 χ^2/NDF: 7007587.9/44

All: 1478.523+/-0.146 χ^2/NDF: 14293867.9/9

- sign 1490.337+/-0.207 χ^2/NDF: 7279774.3/46



Right In: -1167.063+/-664.741 χ^2/NDF: 13.7/20

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -338.697+/-643.783 χ^2/NDF: 19.6/23

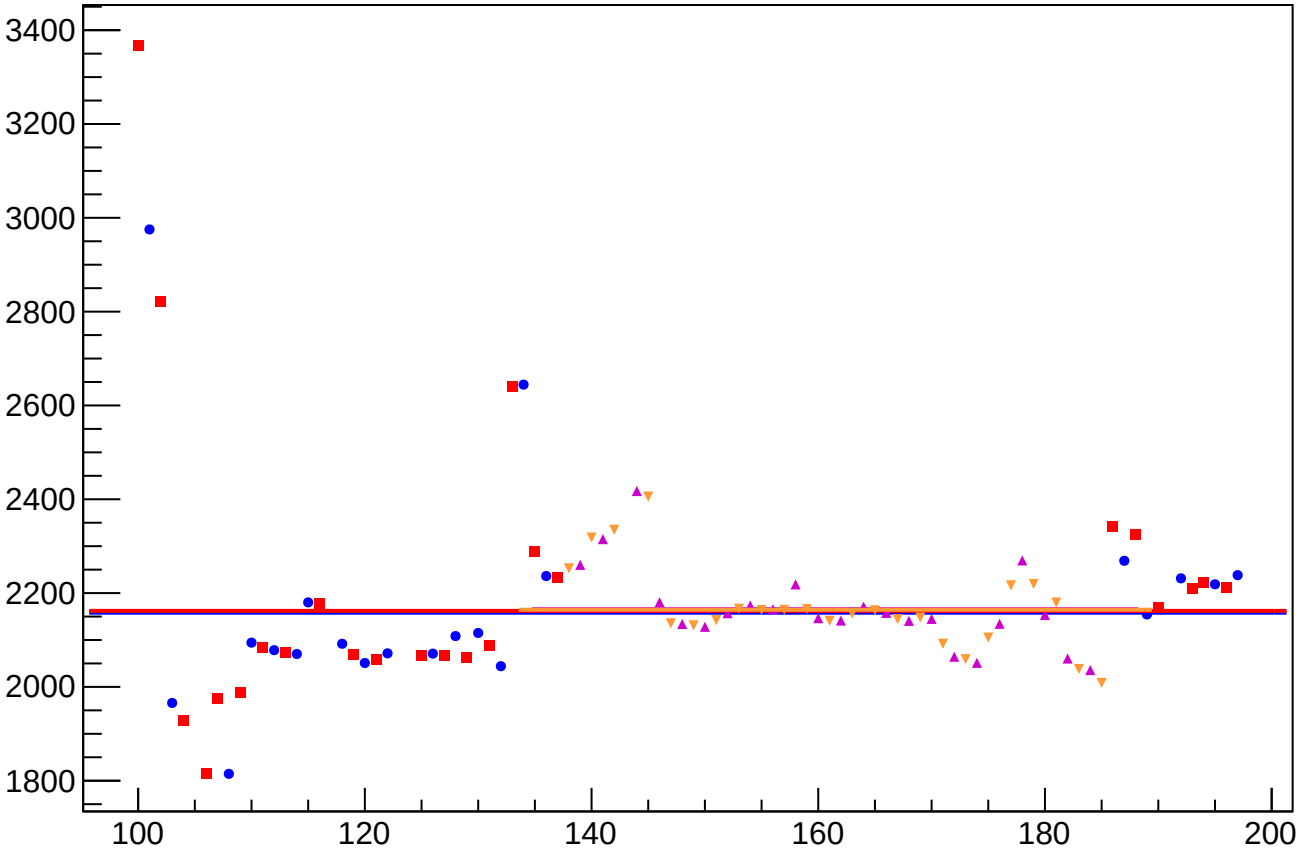
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -916.778+/-401.016 χ^2/NDF: 42.5/44

All: -399.937+/-282.436 χ^2/NDF: 81.8/91

- sign 108.778+/-397.851 χ^2/NDF: 36.0/46

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2158.175+/-0.470 χ^2/NDF: 184677.4/20

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

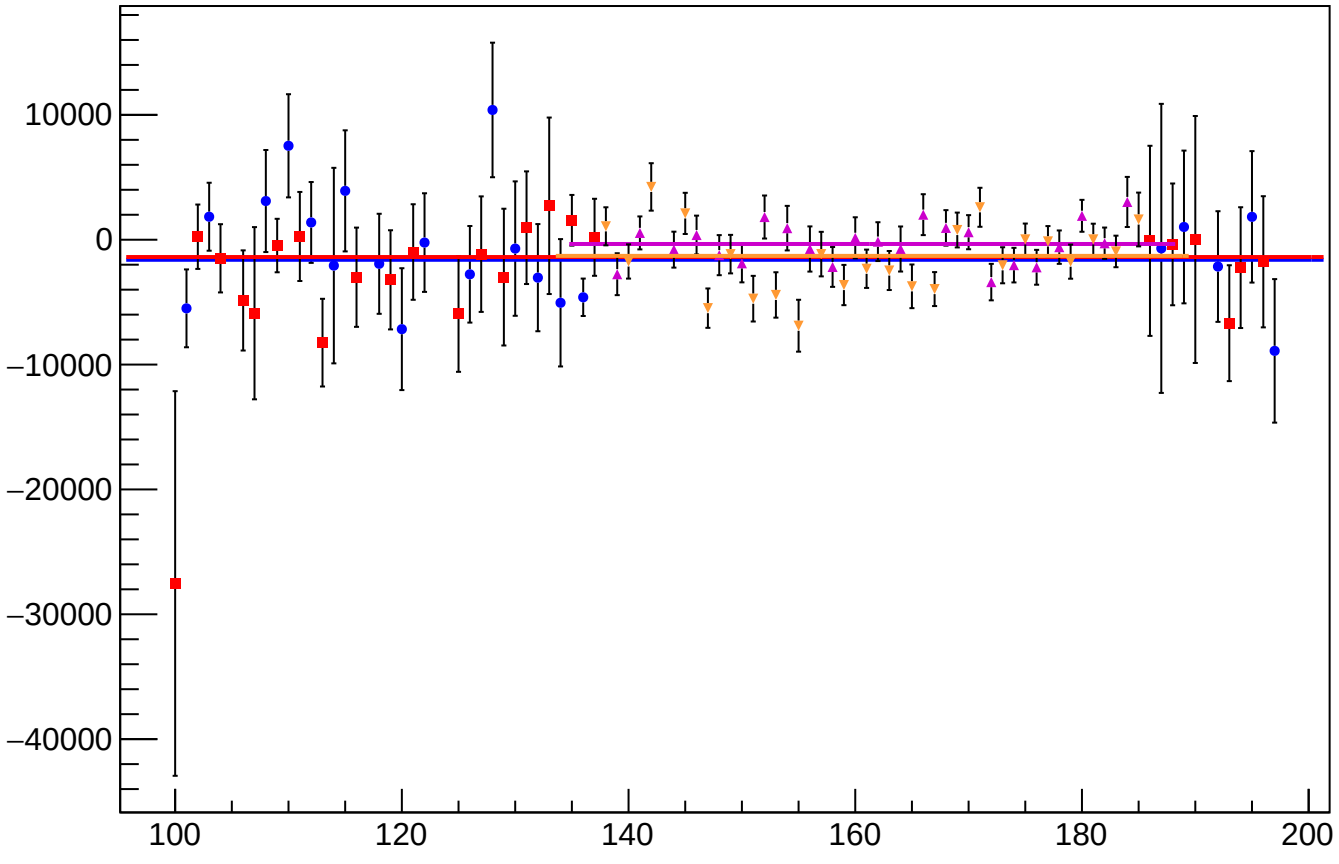
Right Out: 2162.088+/-0.455 χ^2/NDF: 186912.0/23

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2162.218+/-0.284 χ^2/NDF: 235470.0/44

All: 2163.260+/-0.200 χ^2/NDF: 474570.9/91

- sign 2164.285+/-0.281 χ^2/NDF: 239074.1/46



Right In: -1606.035+/-815.326 χ^2/NDF: 24.9/20

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

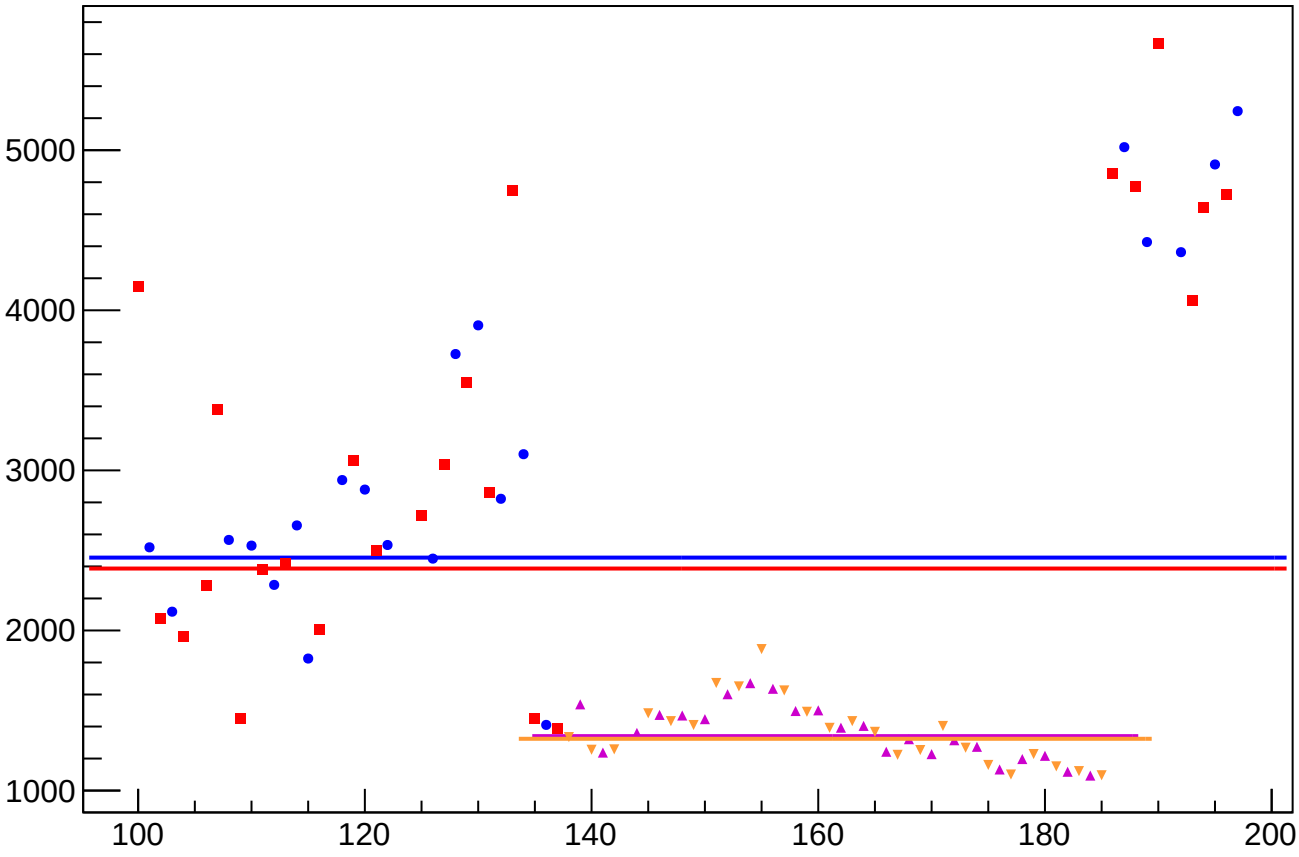
Right Out: -1386.650+/-770.838 χ^2/NDF: 14.5/23

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1333.302+/-290.270 χ^2/NDF: 83.7/44

All: -914.867+/-205.875 χ^2/NDF: 128.7/91

- sign -491.308+/-292.041 χ^2/NDF: 40.9/46



Right In: 2455.183+/-0.577 χ^2/NDF: 2978338.3/20

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2386.879+/-0.545 χ^2/NDF: 3626596.7/23

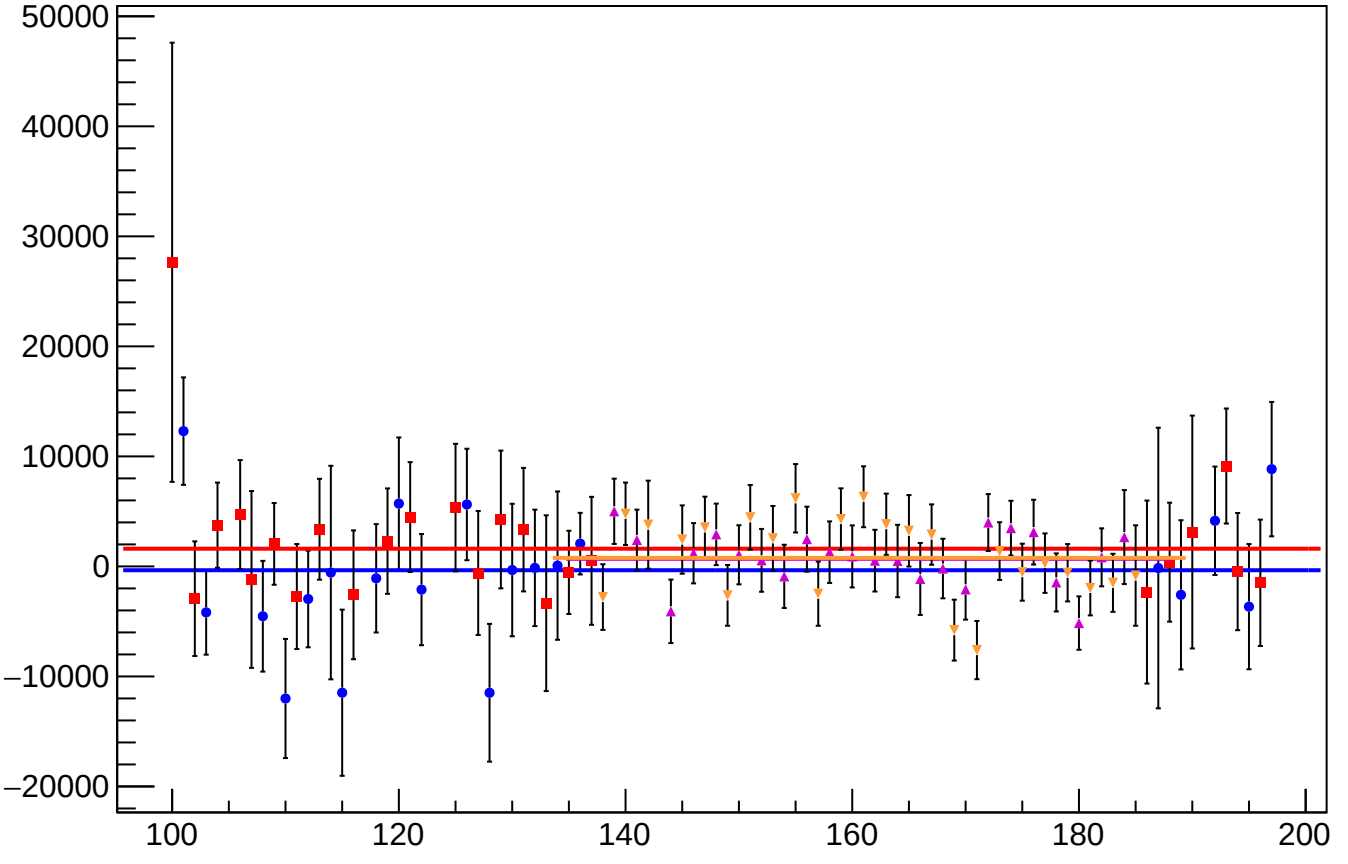
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1466.853+/-0.205 χ^2/NDF: 7007563.1/44

All: 1478.523+/-0.146 χ^2/NDF: 14293846.1/9

- sign 1490.336+/-0.207 χ^2/NDF: 7279777.8/46

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -347.284+/-1135.693 χ^2/NDF: 25.6/20

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

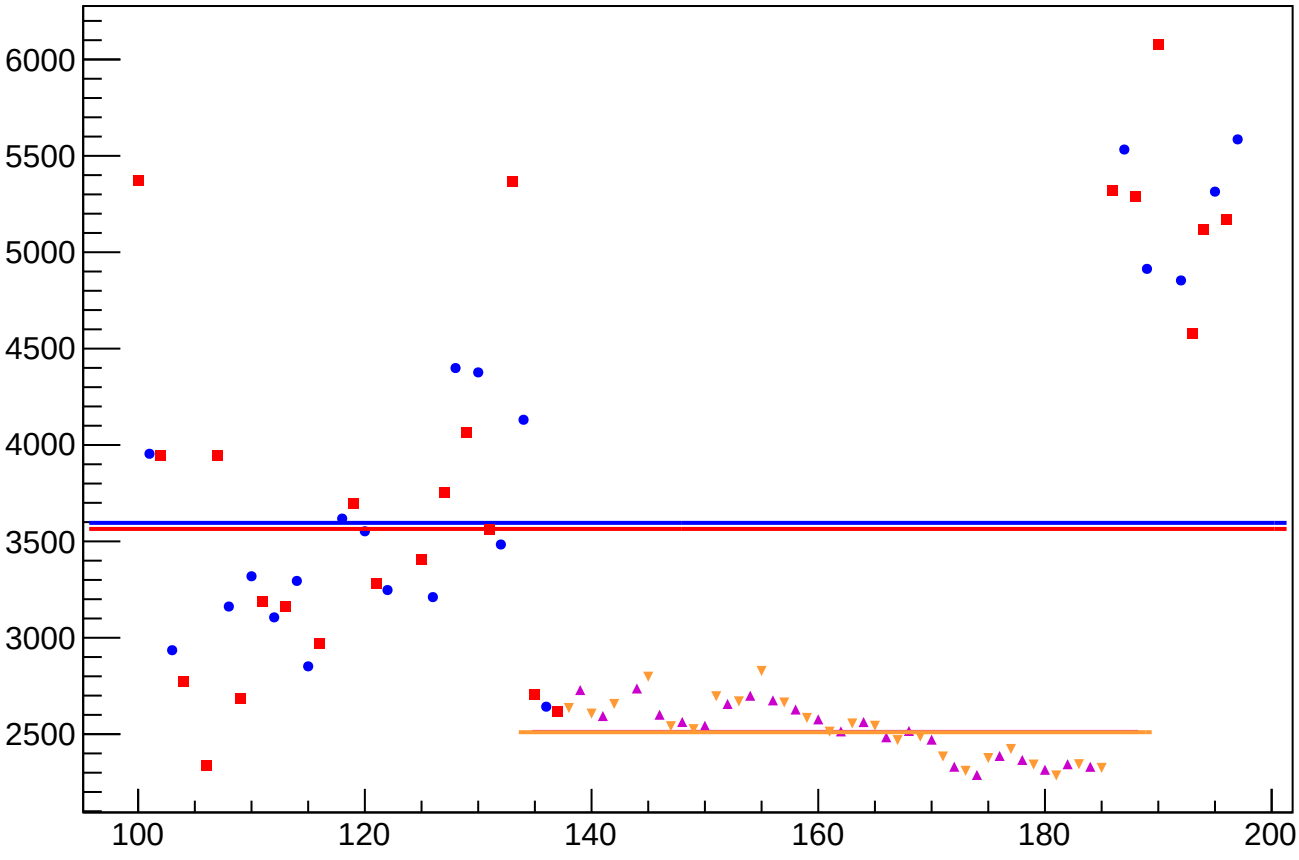
Right Out: 1608.139+/-1095.832 χ^2/NDF: 9.5/23

Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 540.327+/-519.141 χ^2/NDF: 65.7/44

All: 718.109+/-366.590 χ^2/NDF: 94.3/91

- sign 894.928+/-517.734 χ^2/NDF: 28.4/46



Right In: 3596.072+/-0.803 χ^2/NDF: 1115700.1/20

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

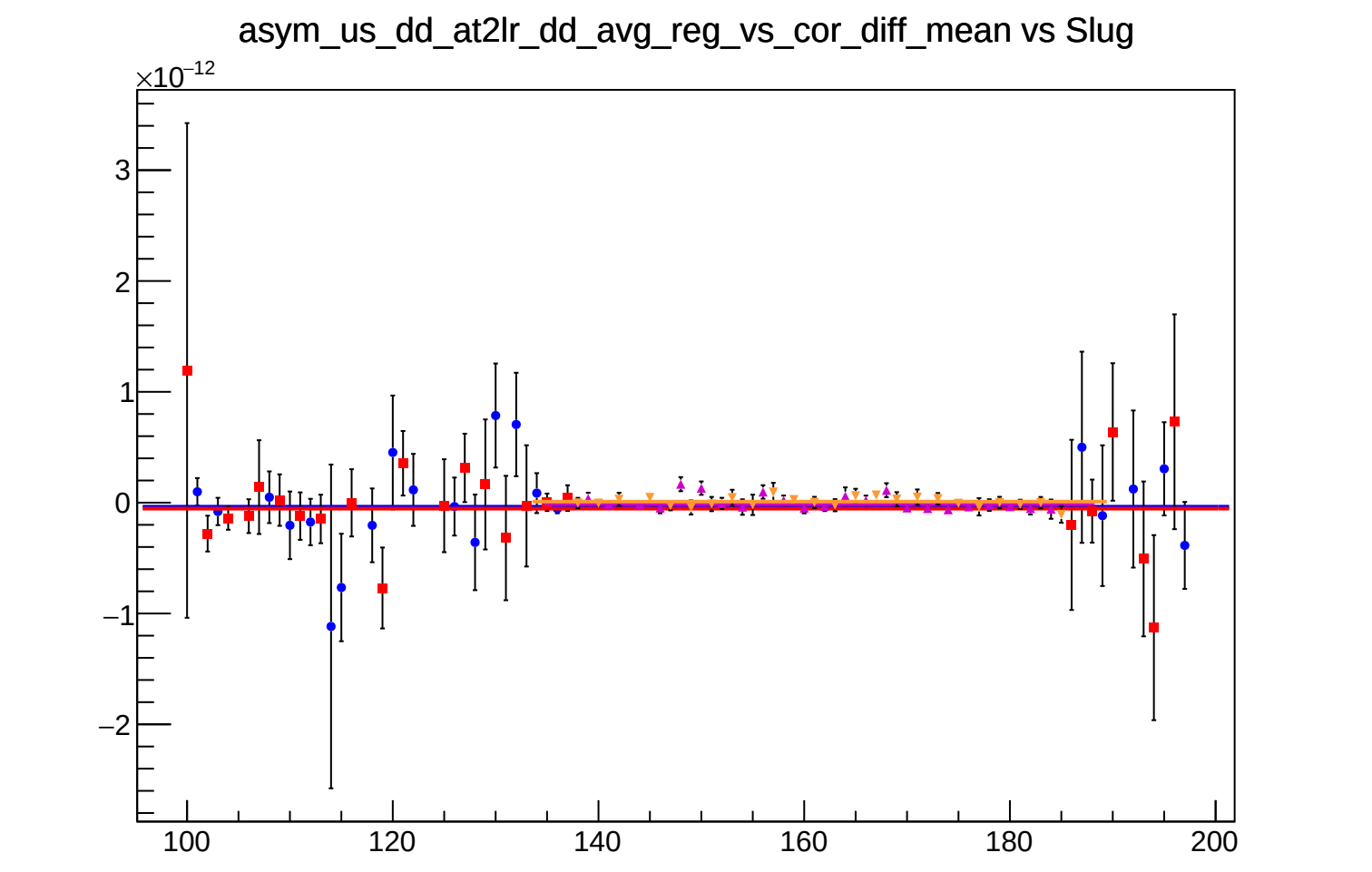
Right Out: 3564.603+/-0.775 χ^2/NDF: 1487606.4/23

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2736.993+/-0.367 χ^2/NDF: 2691017.6/44

All: 2741.840+/-0.259 χ^2/NDF: 5726950.9/91

- sign 2746.661+/-0.366 χ^2/NDF: 3035585.5/46


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
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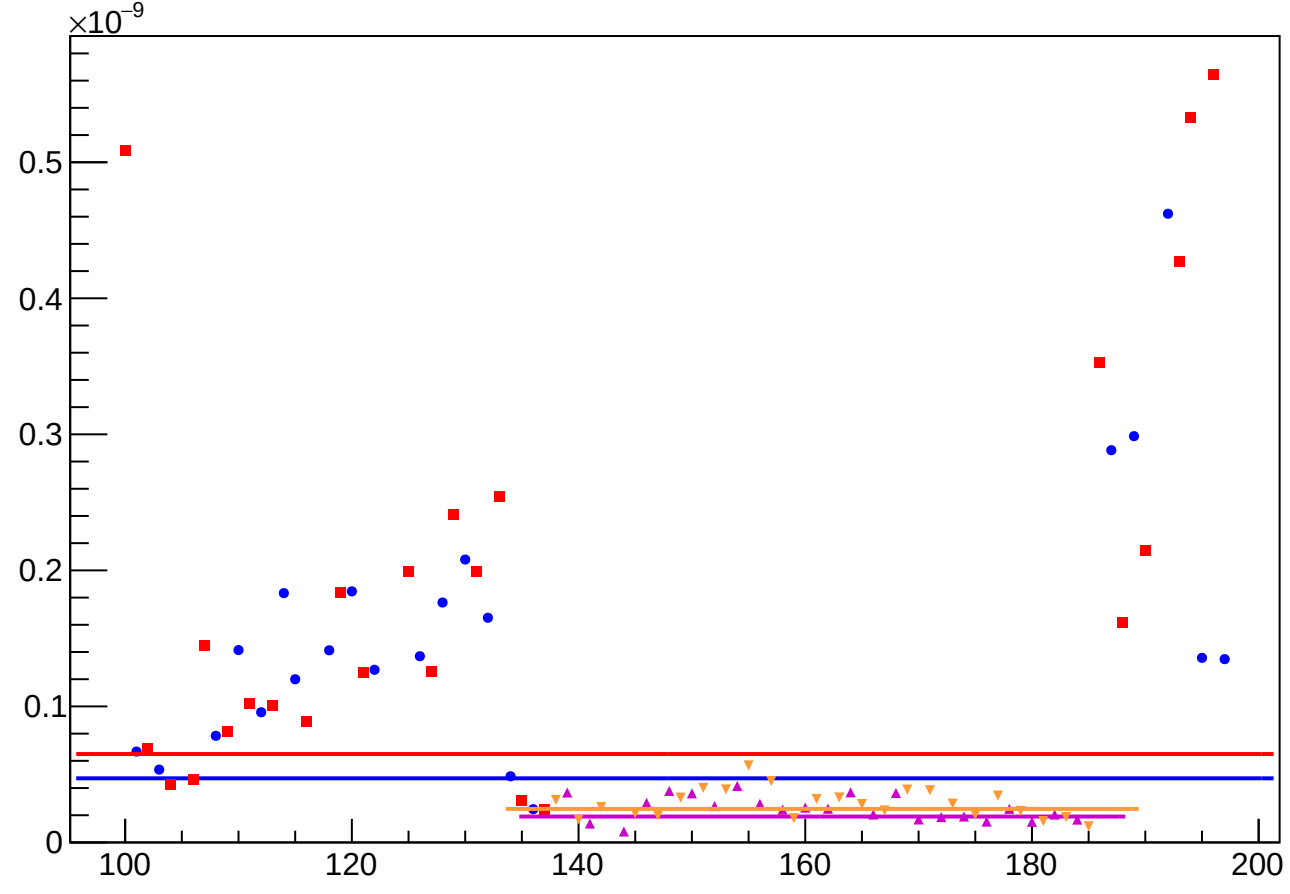
Right In: -0.000+/-0.000 χ²/NDF: 15.1/20
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 16.6/23
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 28.9/44
All: -0.000+/-0.000 χ²/NDF: 80.0/91
- sign -0.000+/-0.000 χ²/NDF: 48.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 3591658.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

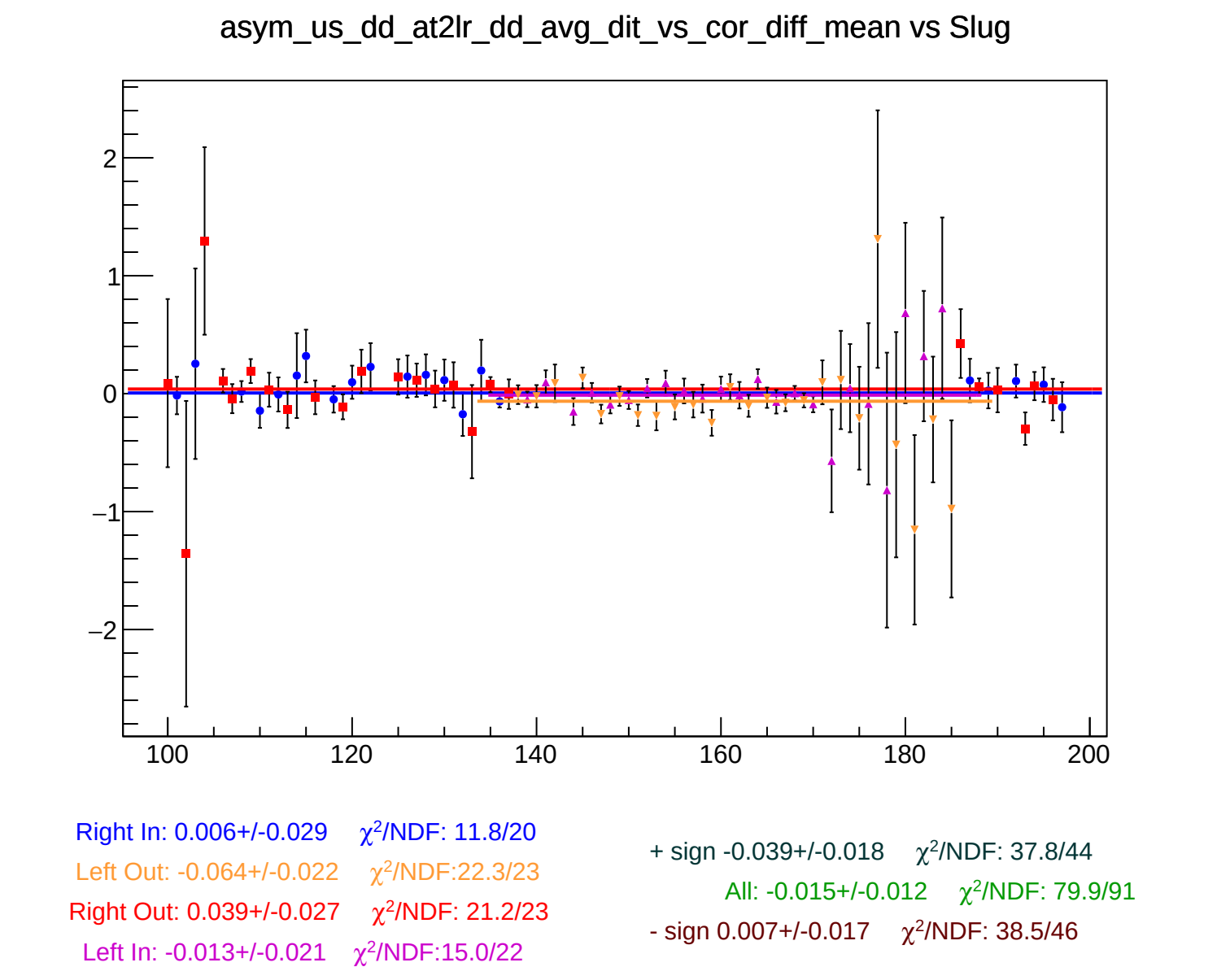
Right Out: 0.000+/-0.000 χ^2/NDF: 4472430.9/23

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5808489.4/44

All: 0.000+/-0.000 χ^2/NDF: 15111381.4/91

- sign 0.000+/-0.000 χ^2/NDF: 8908647.2/46


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug
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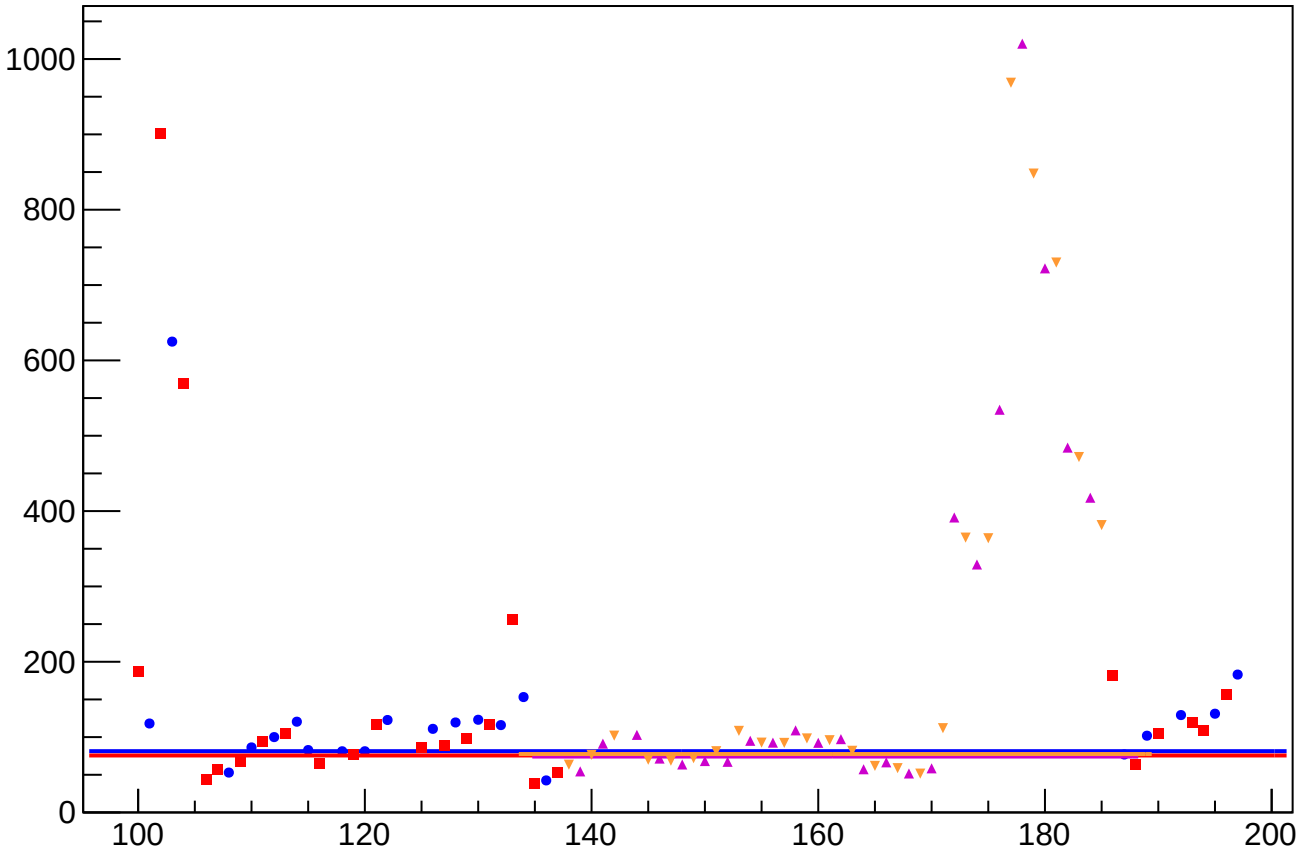
Right In: 0.006+/-0.029 χ²/NDF: 11.8/20
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.039+/-0.027 χ²/NDF: 21.2/23
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.039+/-0.018 χ²/NDF: 37.8/44
All: -0.015+/-0.012 χ²/NDF: 79.9/91
- sign 0.007+/-0.017 χ²/NDF: 38.5/46



Right In: 81.343+/-0.021 χ^2/NDF: 3945076.1/20

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

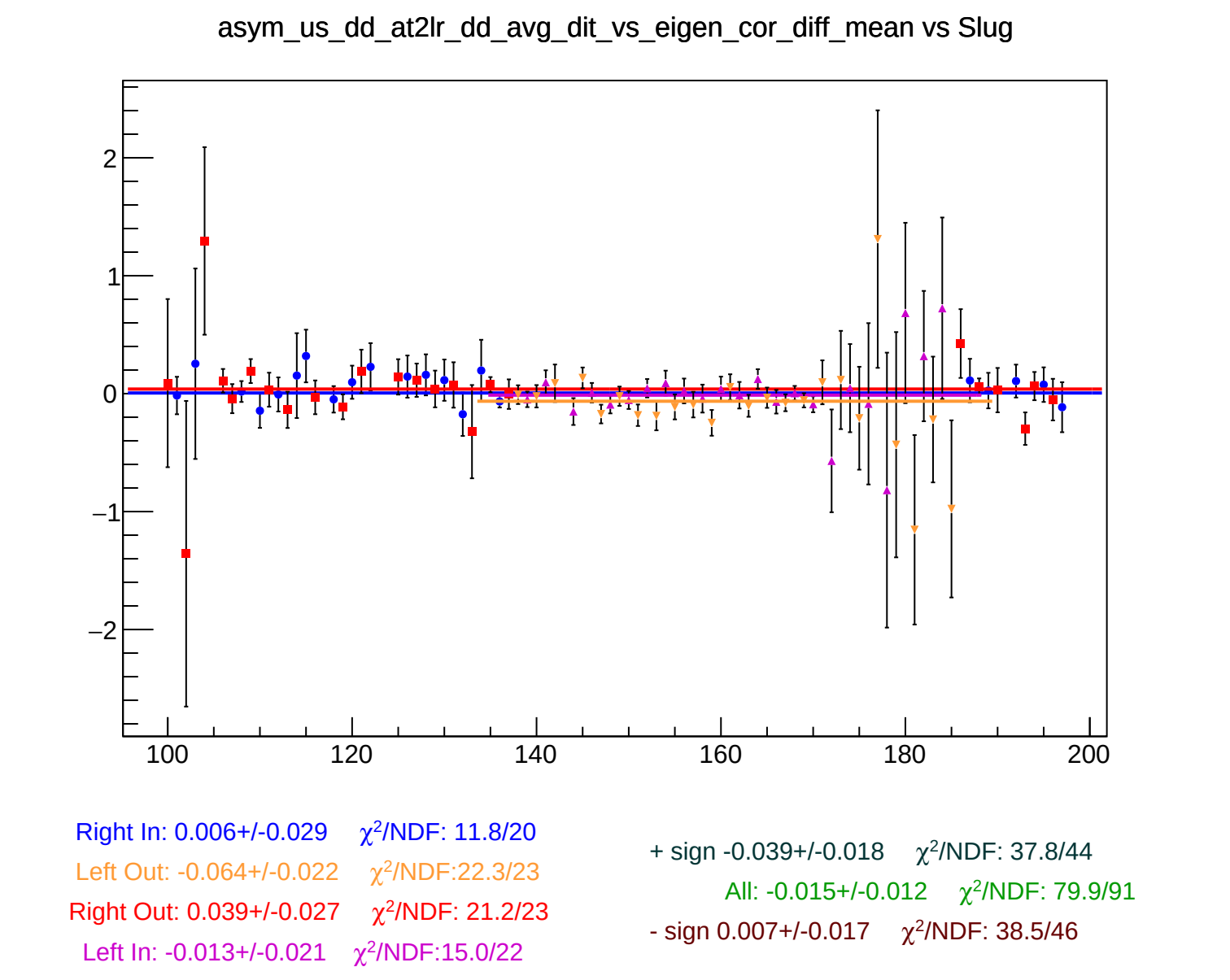
Right Out: 75.632+/-0.019 χ^2/NDF: 4568895.5/23

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 78.909+/-0.012 χ^2/NDF: 12297724.4/44

All: 76.704+/-0.009 χ^2/NDF: 25442779.4/91

\- sign 74.758+/-0.012 χ^2/NDF: 13086412.5/46


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
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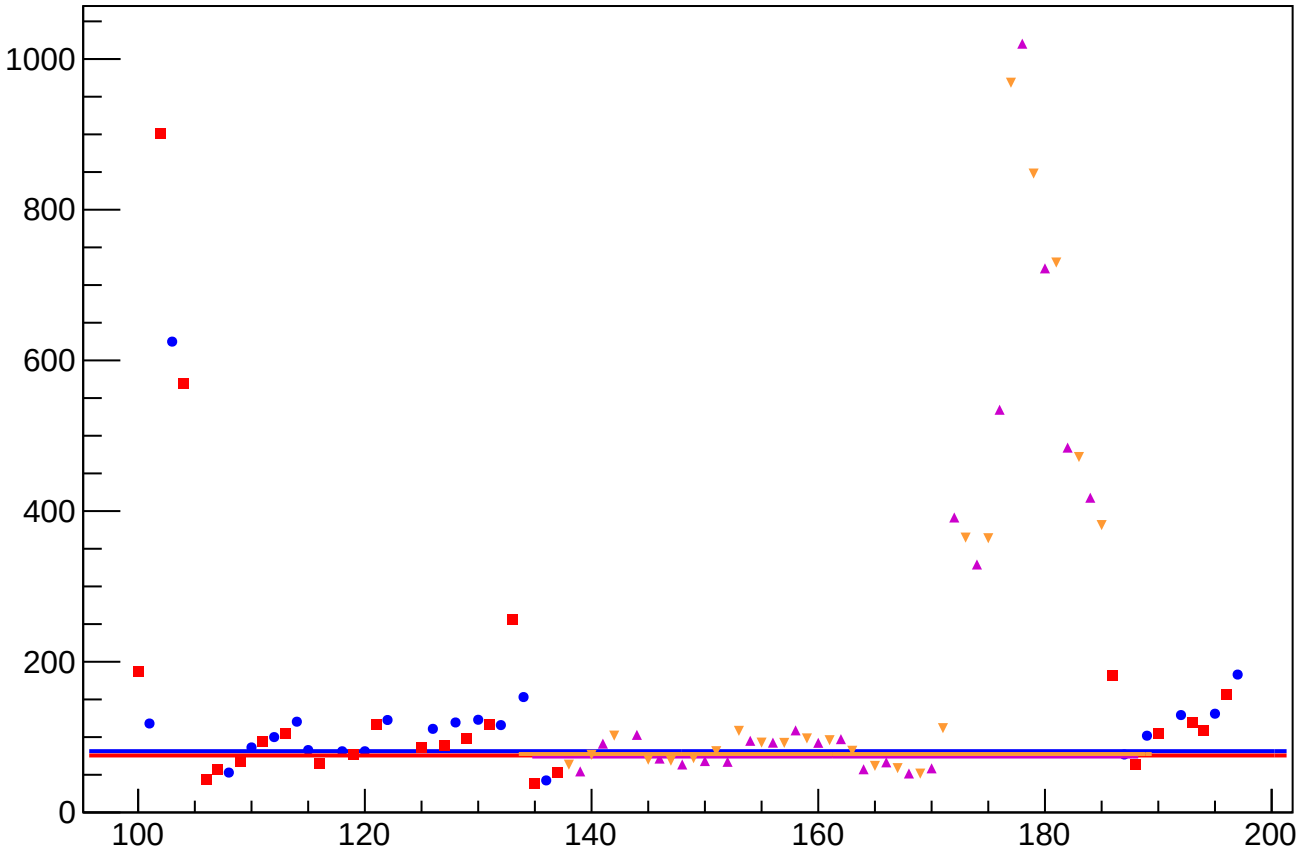
Right In: 0.006+/-0.029 χ²/NDF: 11.8/20
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.039+/-0.027 χ²/NDF: 21.2/23
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.039+/-0.018 χ²/NDF: 37.8/44
All: -0.015+/-0.012 χ²/NDF: 79.9/91
- sign 0.007+/-0.017 χ²/NDF: 38.5/46



Right In: 81.343+/-0.021 χ^2/NDF: 3945076.1/20

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

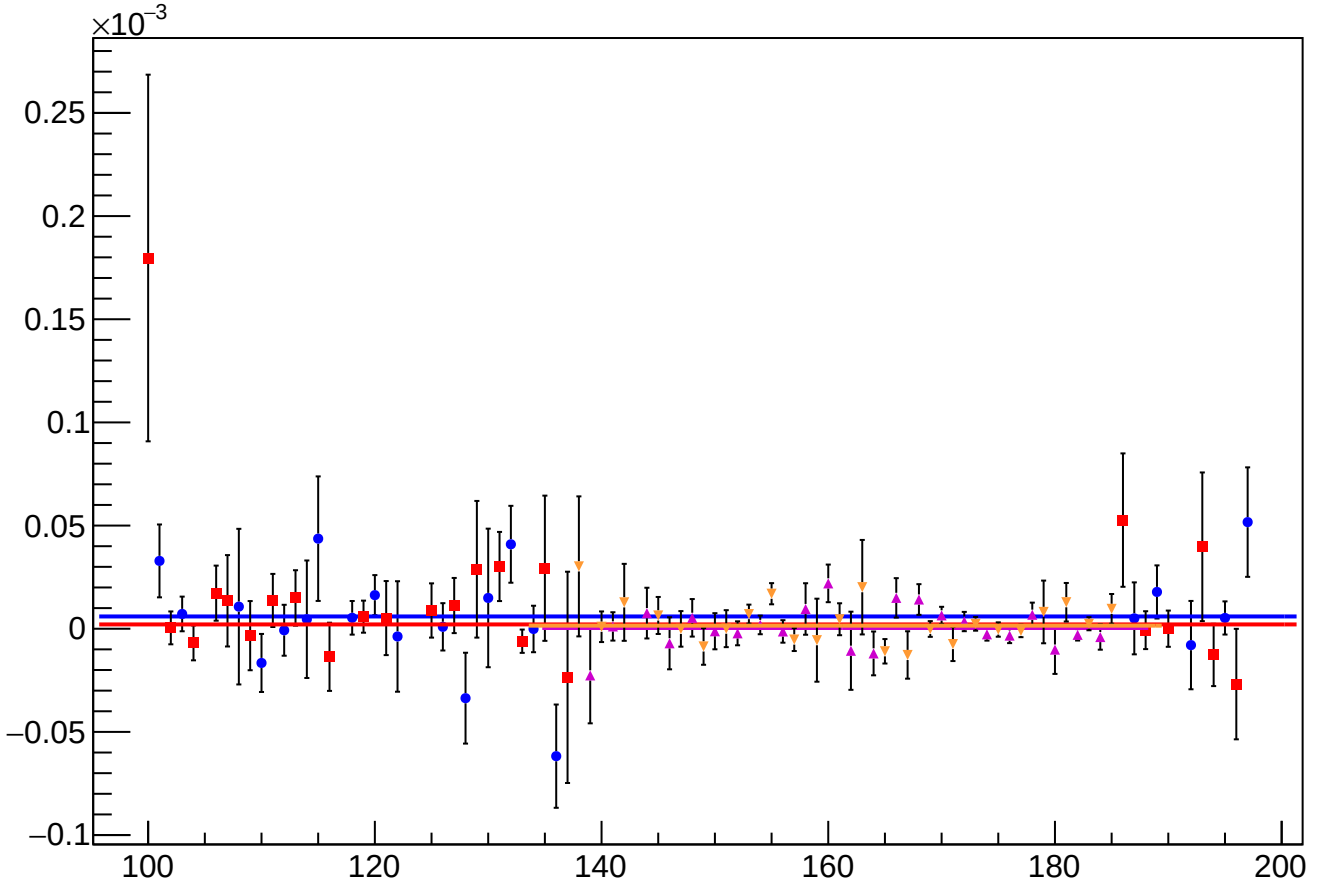
Right Out: 75.632+/-0.019 χ^2/NDF: 4568895.5/23

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 78.909+/-0.012 χ^2/NDF: 12297724.4/44

All: 76.704+/-0.009 χ^2/NDF: 25442779.4/91

\- sign 74.758+/-0.012 χ^2/NDF: 13086412.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

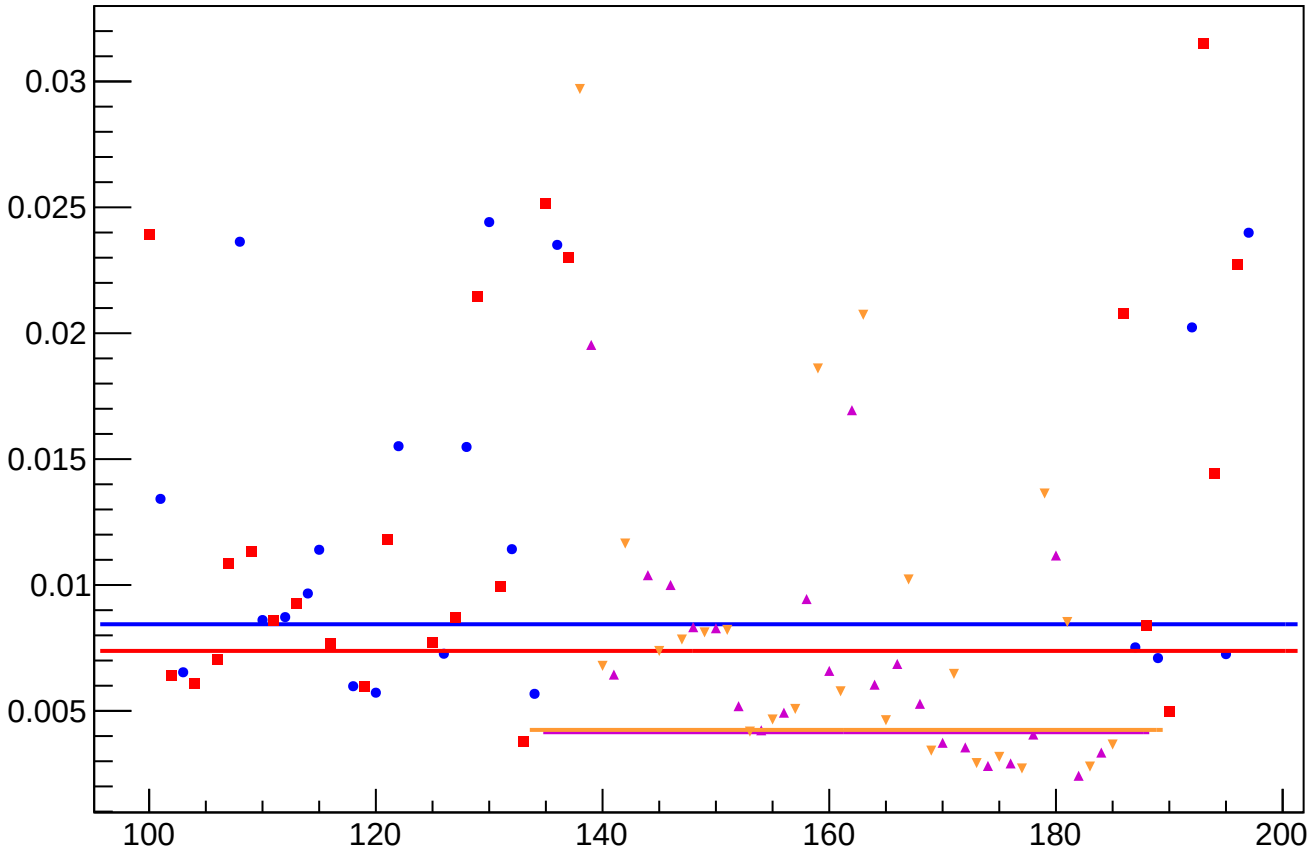
Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/23

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/44

All: 0.000+/-0.000 χ^2/NDF: 104.4/91

- sign 0.000+/-0.000 χ^2/NDF: 47.6/46



Right In: 0.008+/-0.000 χ^2/NDF: 4028722.5/20

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

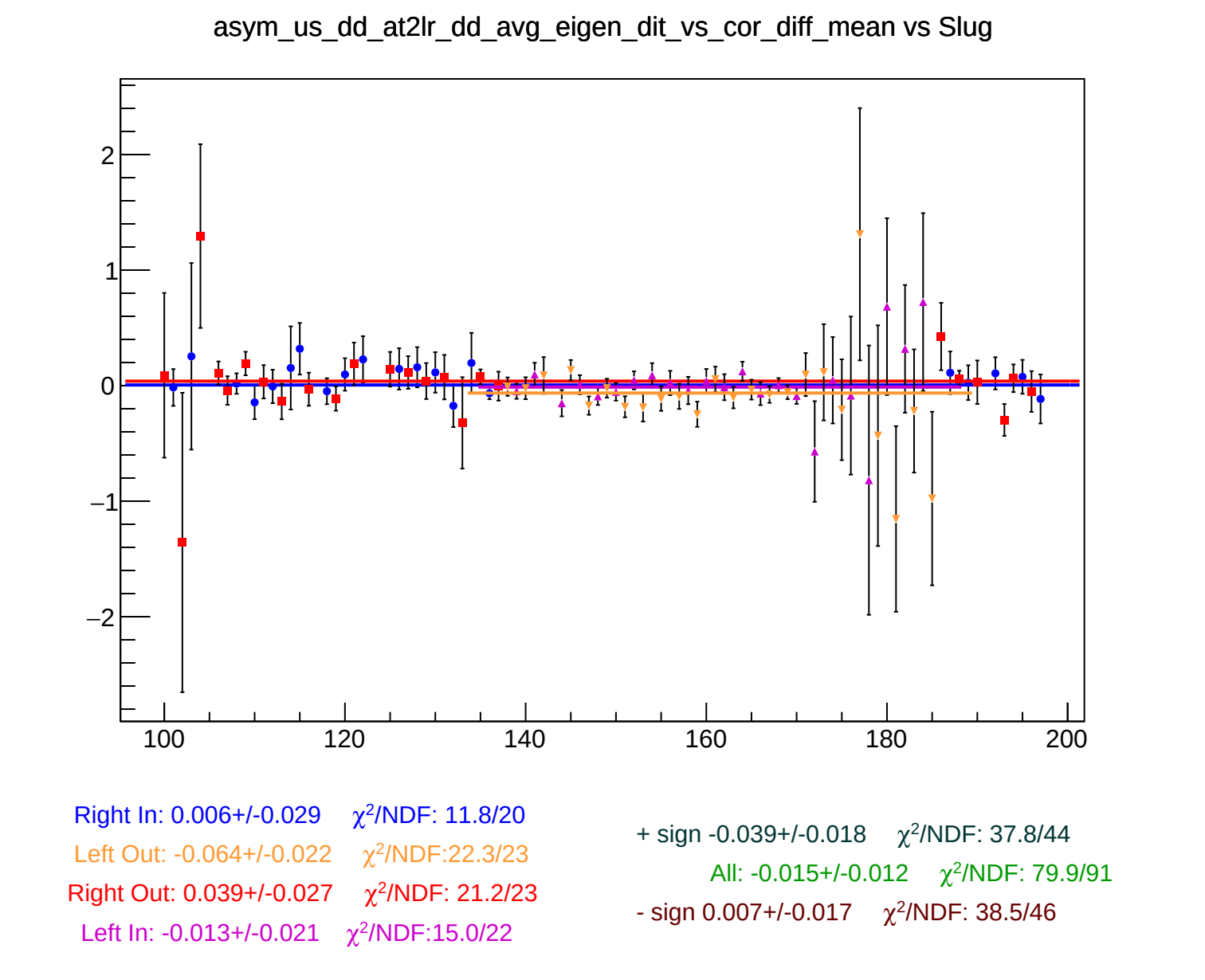
Right Out: 0.007+/-0.000 χ^2/NDF: 5003751.1/23

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 16067540.2/44

All: 0.005+/-0.000 χ^2/NDF: 30638935.9/91

- sign 0.005+/-0.000 χ^2/NDF: 14569339.0/46


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
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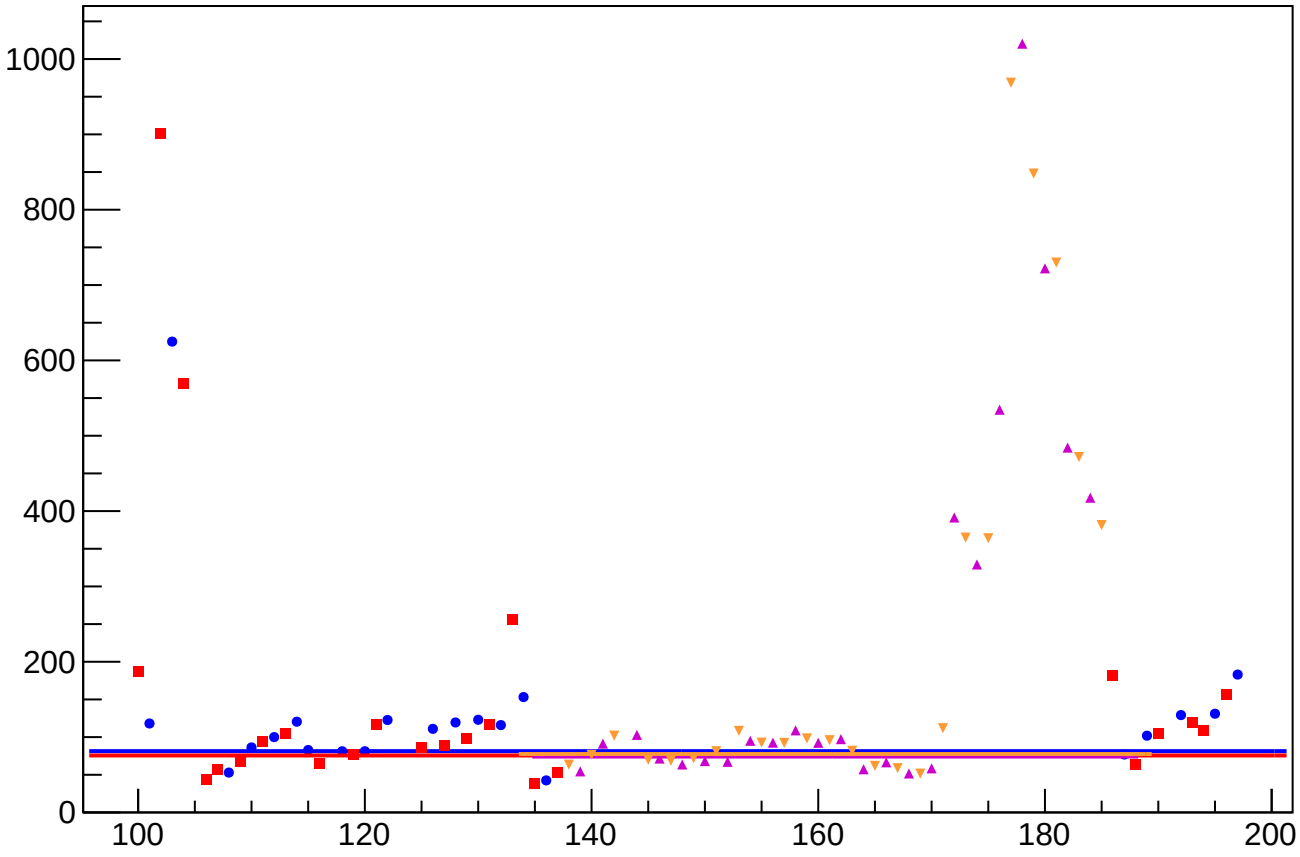
Right In: 0.006+/-0.029 χ²/NDF: 11.8/20
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.039+/-0.027 χ²/NDF: 21.2/23
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.039+/-0.018 χ²/NDF: 37.8/44
All: -0.015+/-0.012 χ²/NDF: 79.9/91
- sign 0.007+/-0.017 χ²/NDF: 38.5/46



Right In: 81.367+/-0.021 χ^2/NDF: 3941895.3/20

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 75.623+/-0.019 χ^2/NDF: 4570126.7/23

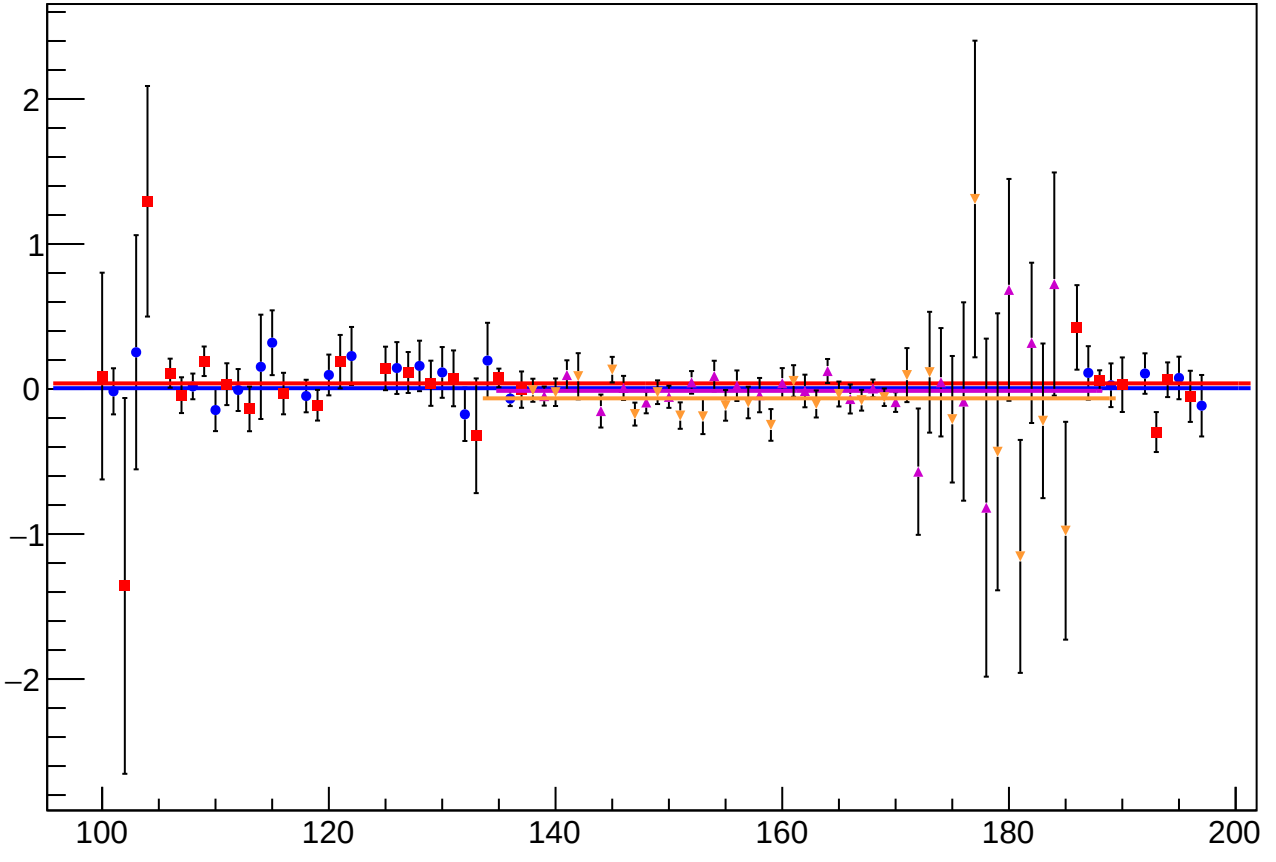
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 78.917+/-0.012 χ^2/NDF: 12294721.3/44

All: 76.706+/-0.009 χ^2/NDF: 25440964.4/91

\- sign 74.755+/-0.012 χ^2/NDF: 13087307.6/46

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.029 χ^2/NDF: 11.8/20

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

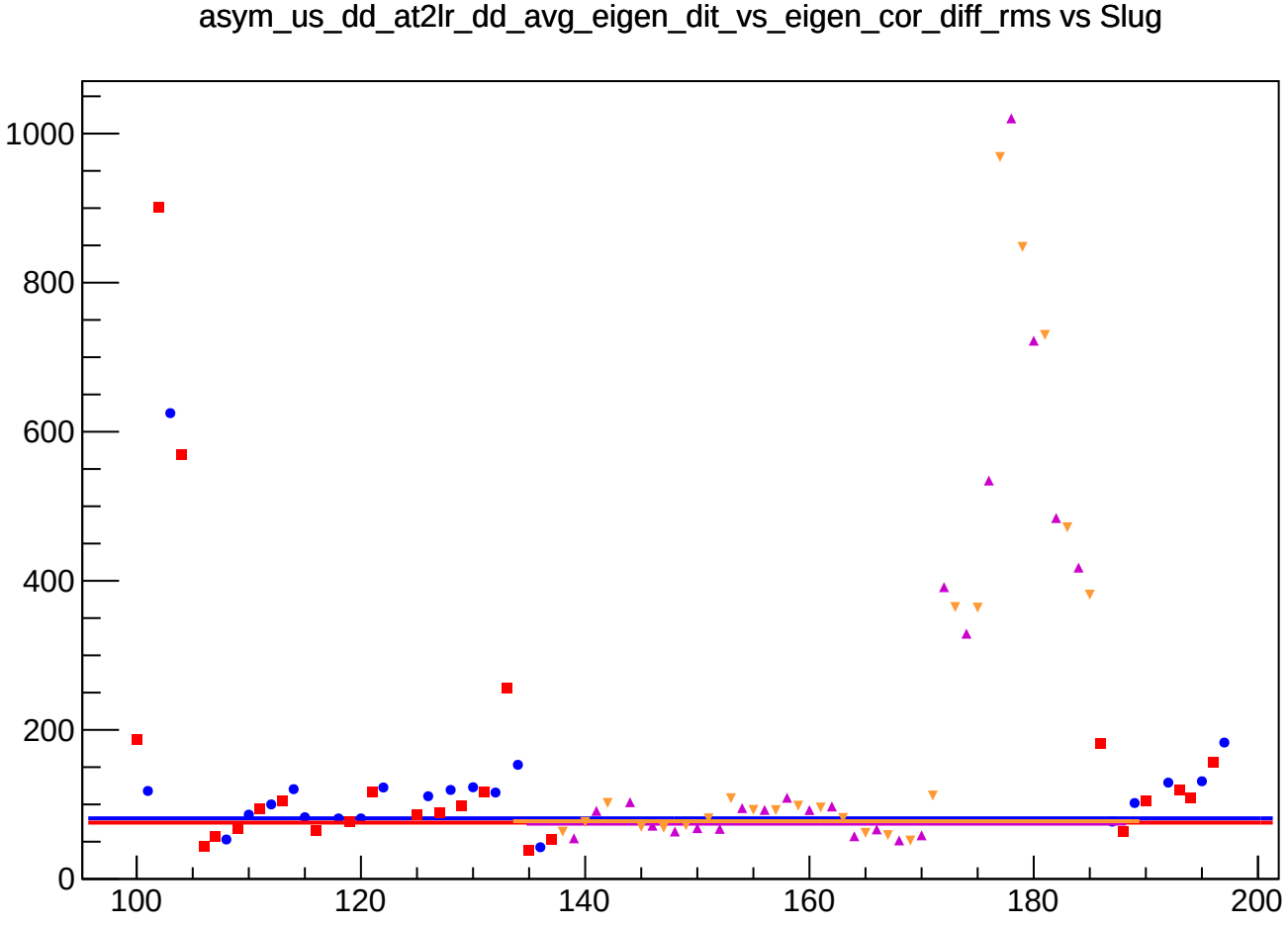
Right Out: 0.039+/-0.027 χ^2/NDF: 21.2/23

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.039+/-0.018 χ^2/NDF: 37.8/44

All: -0.015+/-0.012 χ^2/NDF: 79.9/91

- sign 0.007+/-0.017 χ^2/NDF: 38.5/46



Right In: 81.367+/-0.021 χ^2/NDF: 3941895.3/20

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

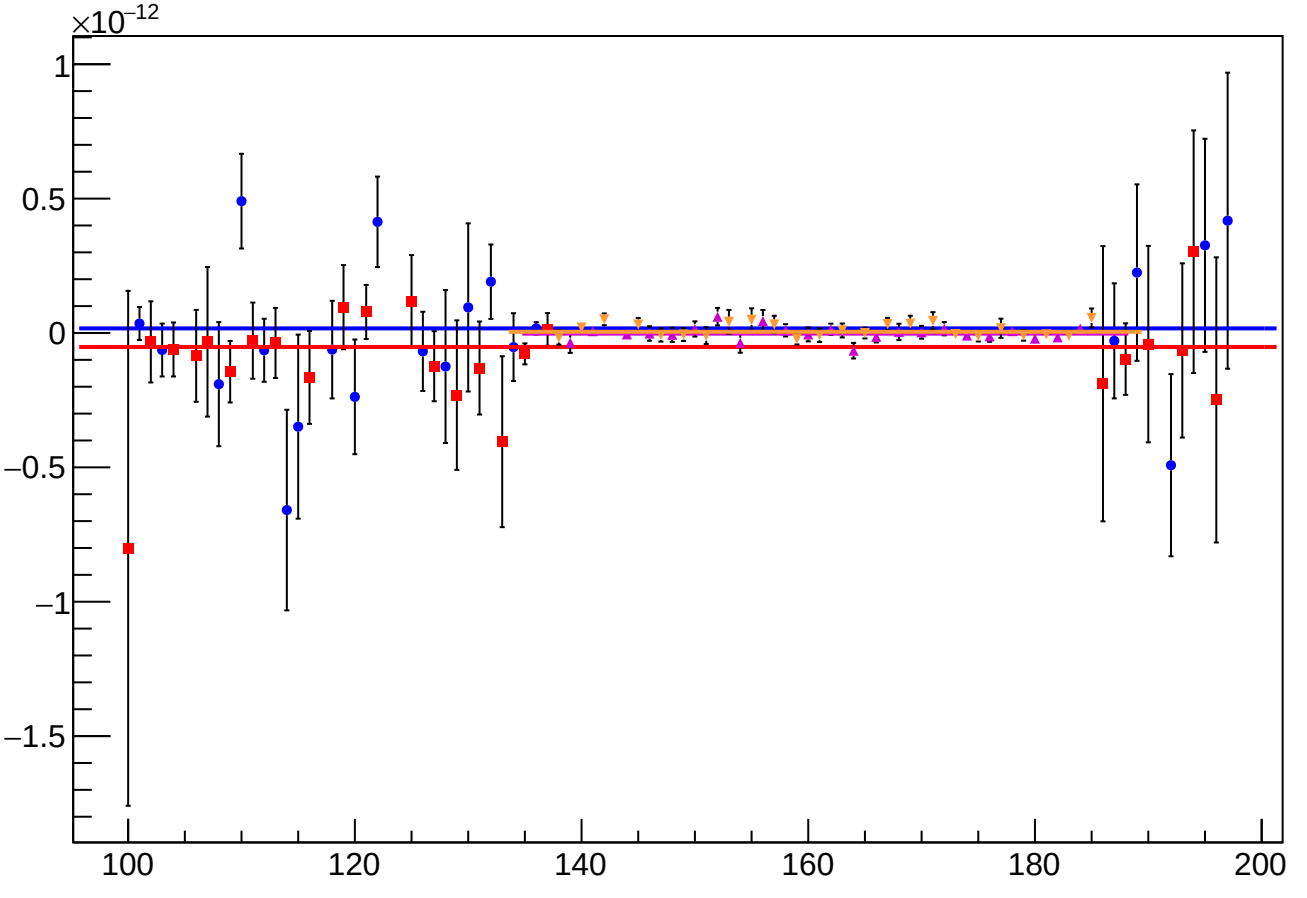
Right Out: 75.623+/-0.019 χ^2/NDF: 4570126.7/23

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 78.917+/-0.012 χ^2/NDF: 12294721.3/44

All: 76.706+/-0.009 χ^2/NDF: 25440964.4/91

- sign 74.755+/-0.012 χ^2/NDF: 13087307.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

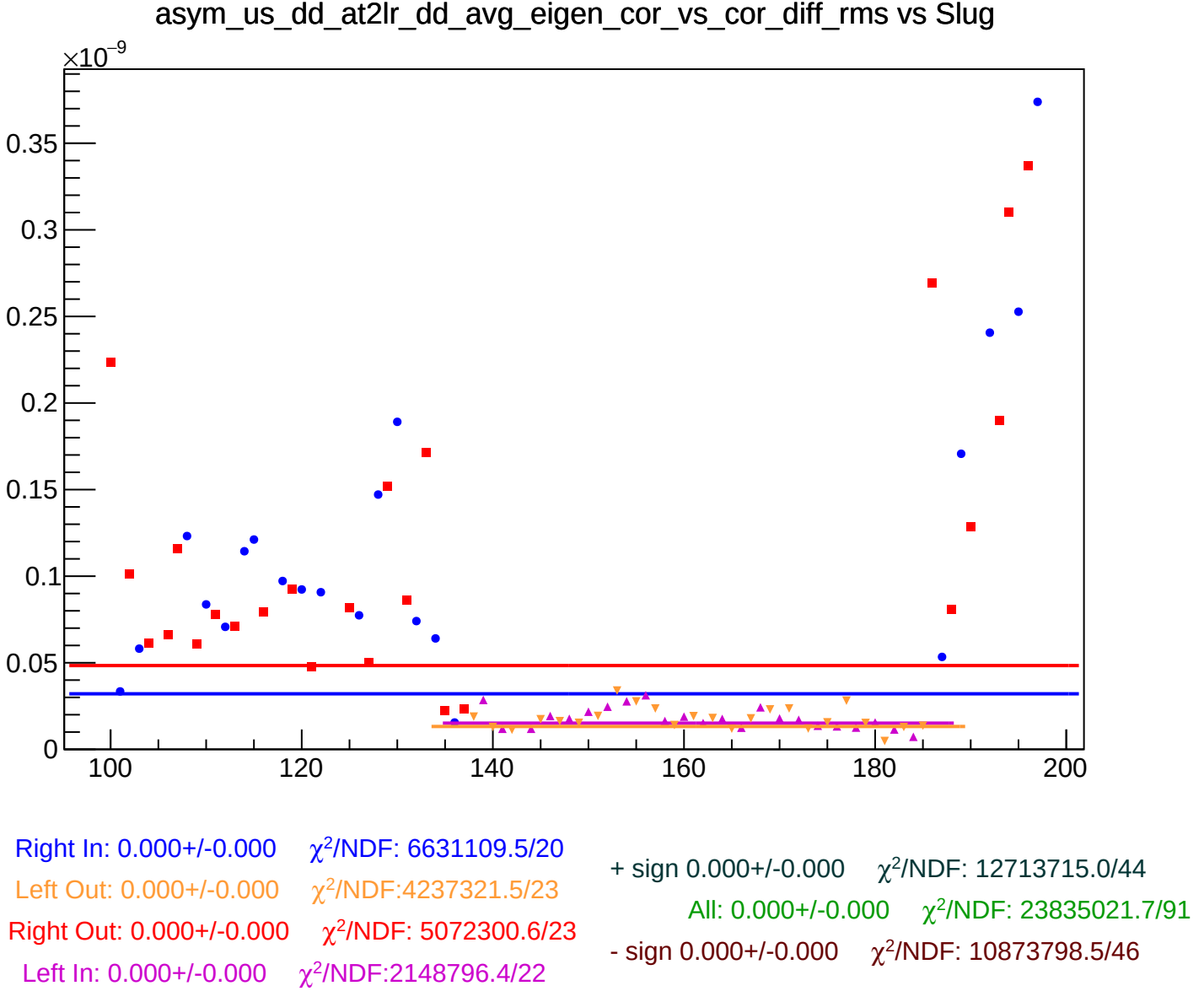
Right Out: -0.000+/-0.000 χ^2/NDF: 10.0/23

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.3/44

All: 0.000+/-0.000 χ^2/NDF: 83.1/91

- sign -0.000+/-0.000 χ^2/NDF: 31.6/46


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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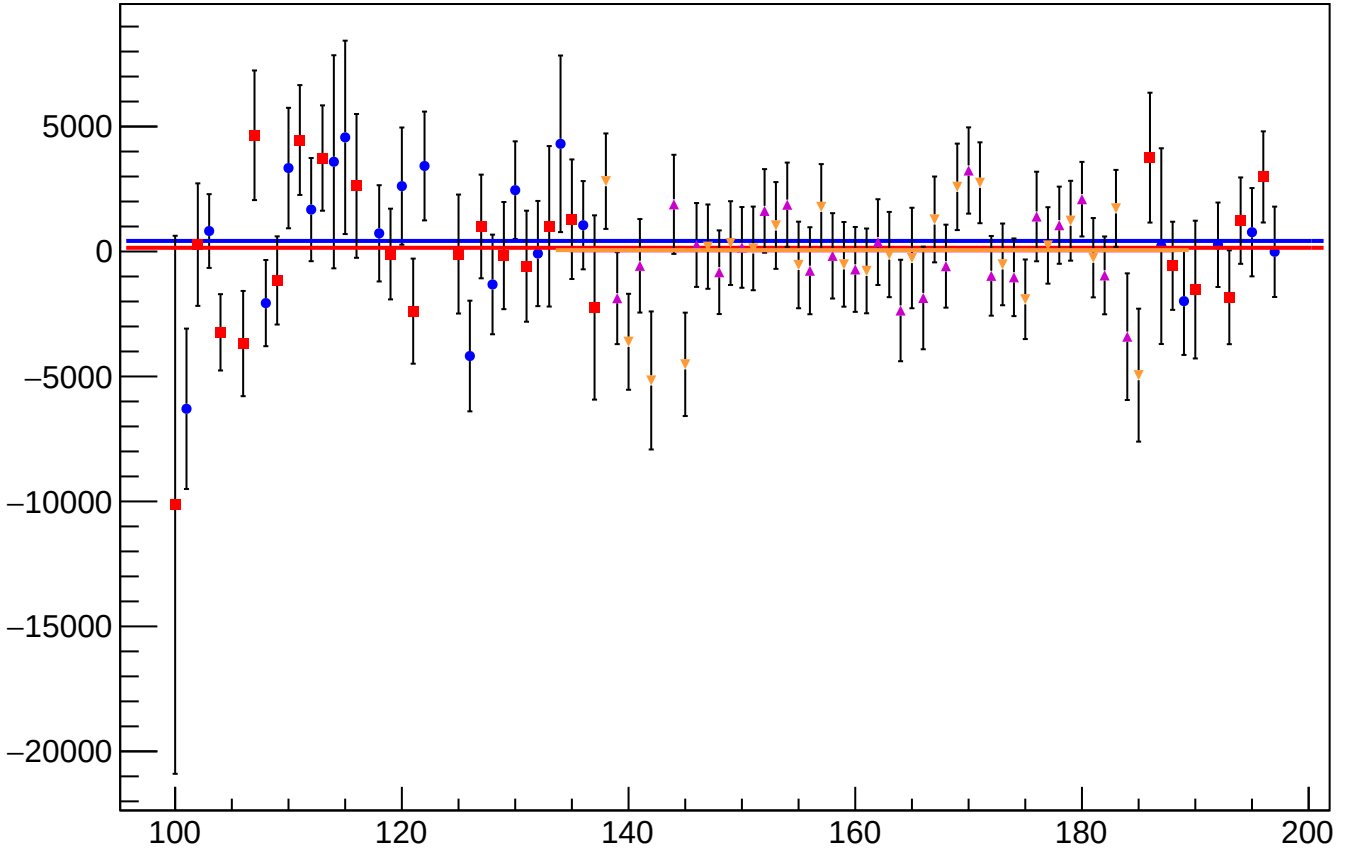
Right In: 0.000+/-0.000 χ²/NDF: 6631109.5/20
Left Out: 0.000+/-0.000 χ²/NDF:4237321.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 5072300.6/23
Left In: 0.000+/-0.000 χ²/NDF:2148796.4/22
+ sign 0.000+/-0.000 χ²/NDF: 12713715.0/44
All: 0.000+/-0.000 χ²/NDF: 23835021.7/91
- sign 0.000+/-0.000 χ²/NDF: 10873798.5/46

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 422.796+/-461.945 χ^2/NDF: 21.8/20

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 148.387+/-443.772 χ^2/NDF: 29.1/23

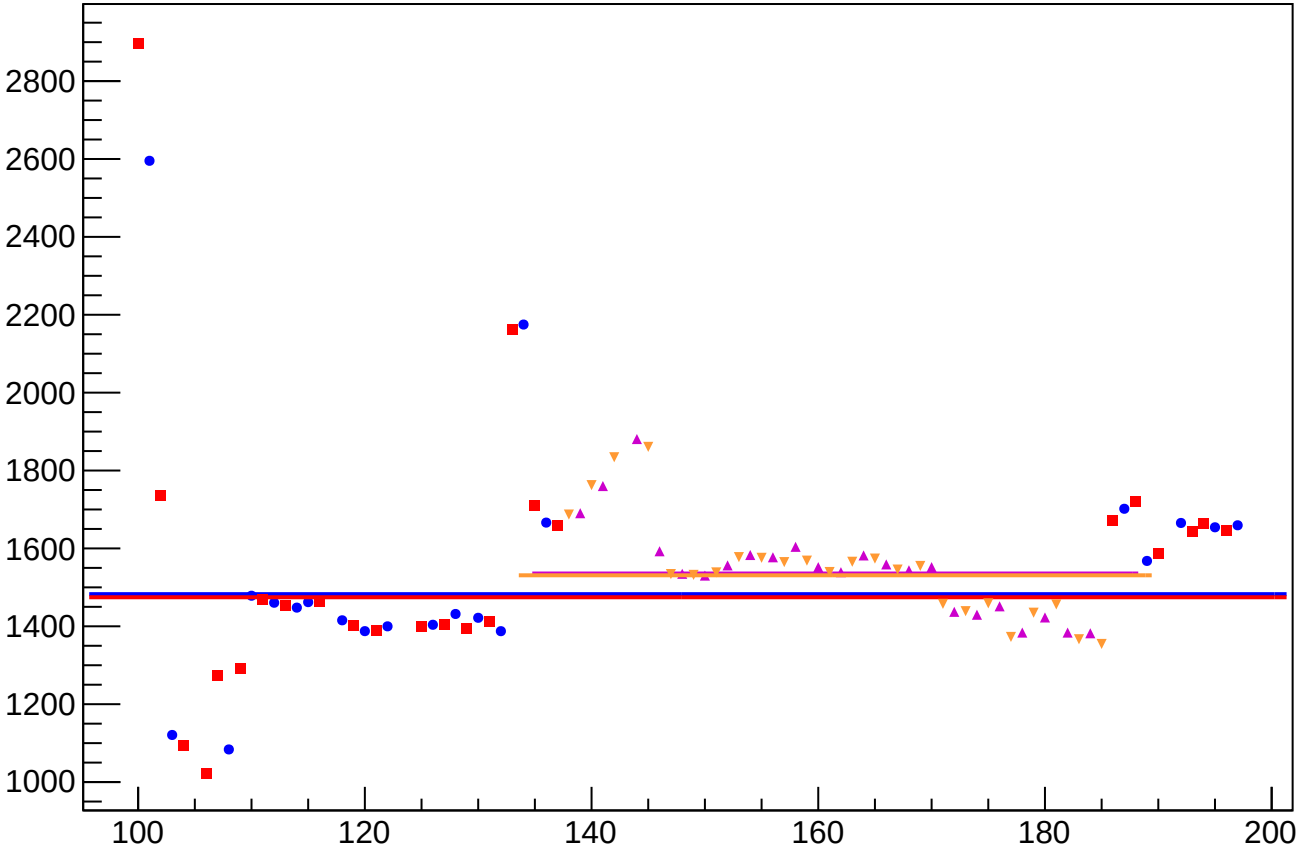
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 192.082+/-282.166 χ^2/NDF: 50.6/44

All: 139.463+/-198.520 χ^2/NDF: 96.6/91

- sign 87.887+/-279.355 χ^2/NDF: 45.9/46

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1482.556+/-0.327 χ^2/NDF: 655837.3/20

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

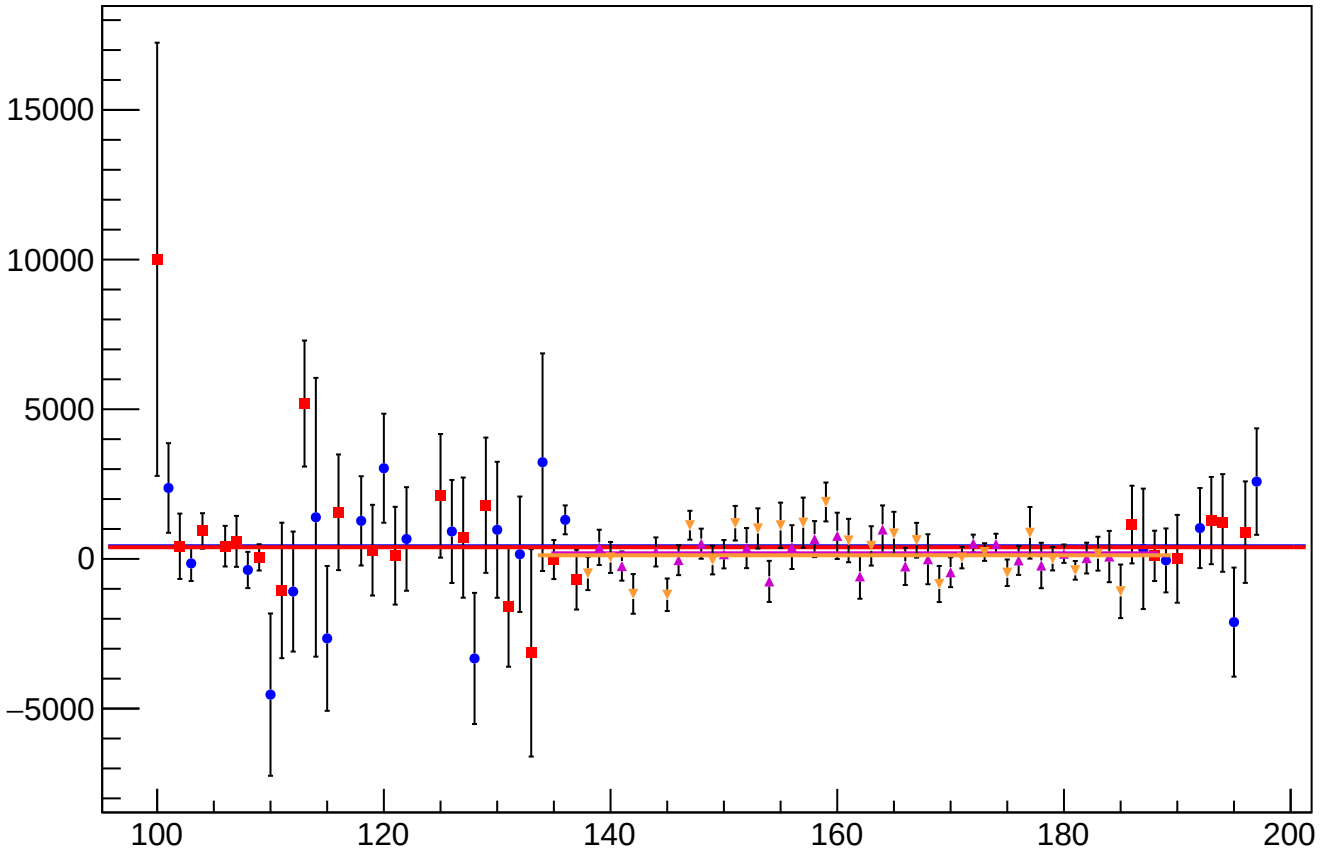
Right Out: 1474.580+/-0.314 χ^2/NDF: 551395.3/23

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1512.910+/-0.200 χ^2/NDF: 873152.0/44

All: 1512.142+/-0.140 χ^2/NDF: 1639802.1/91

- sign 1511.390+/-0.198 χ^2/NDF: 766620.8/46



Right In: 423.011+/-254.527 χ^2/NDF: 23.2/20

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 390.151+/-213.346 χ^2/NDF: 15.2/23

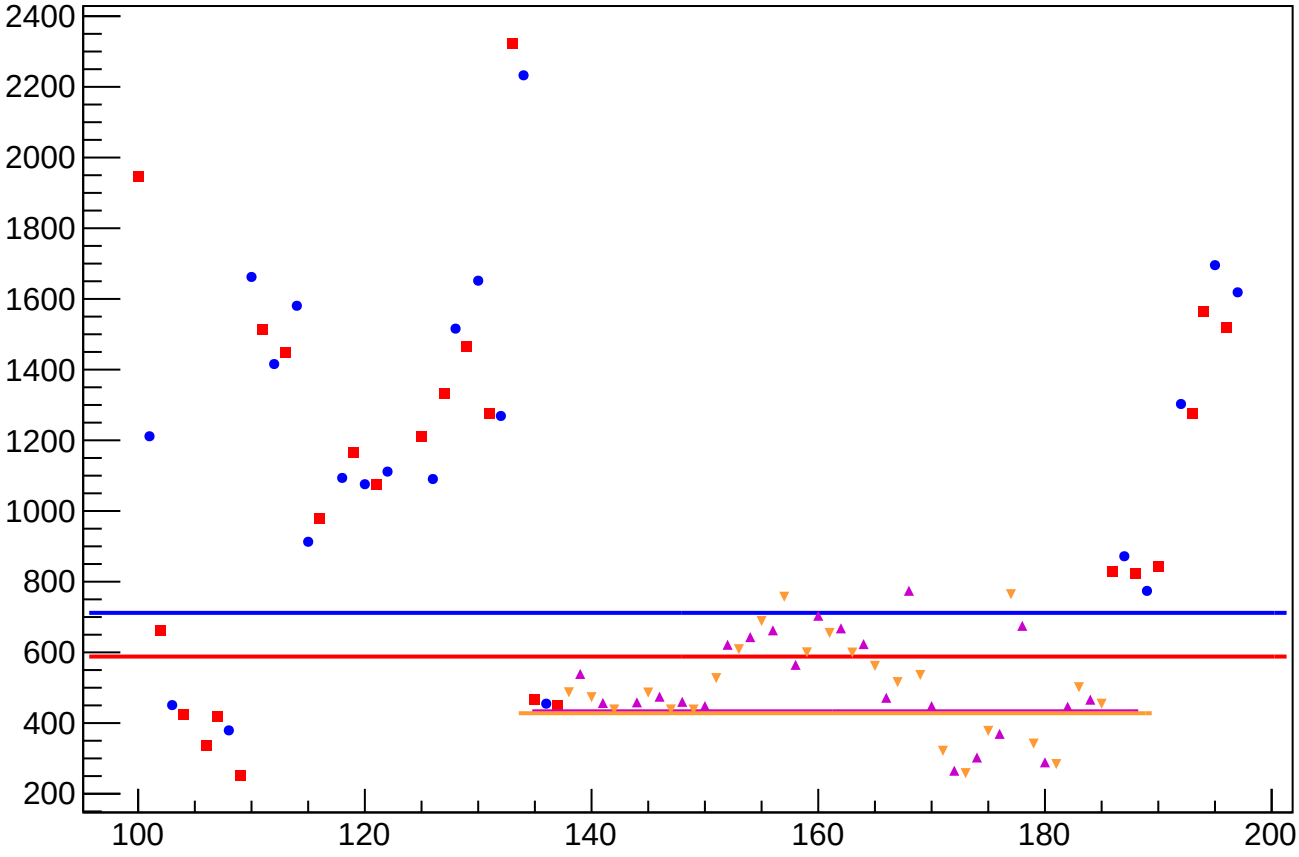
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 165.244+/-97.112 χ^2/NDF: 68.0/44

All: 196.941+/-68.138 χ^2/NDF: 95.7/91

- sign 227.677+/-95.627 χ^2/NDF: 27.5/46

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 711.840+/-0.180 χ^2/NDF: 5420315.6/20

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 588.163+/-0.151 χ^2/NDF: 6641069.5/23

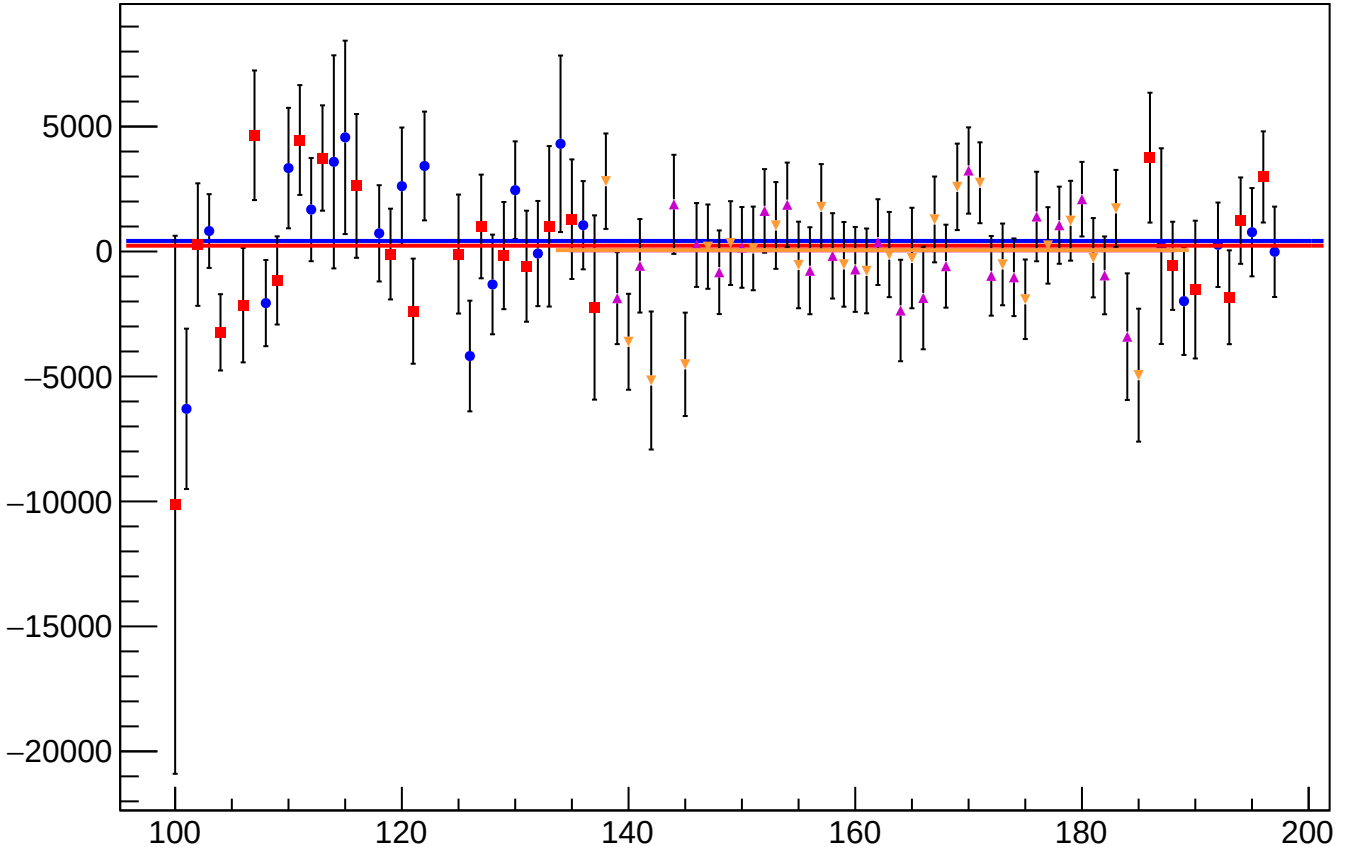
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 469.161+/-0.069 χ^2/NDF: 10736382.5/44

All: 466.744+/-0.048 χ^2/NDF: 21470148.1/91

- sign 464.400+/-0.068 χ^2/NDF: 10731324.8/46

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 422.756+/-461.945 χ^2/NDF: 21.8/20

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 233.244+/-445.305 χ^2/NDF: 26.7/23

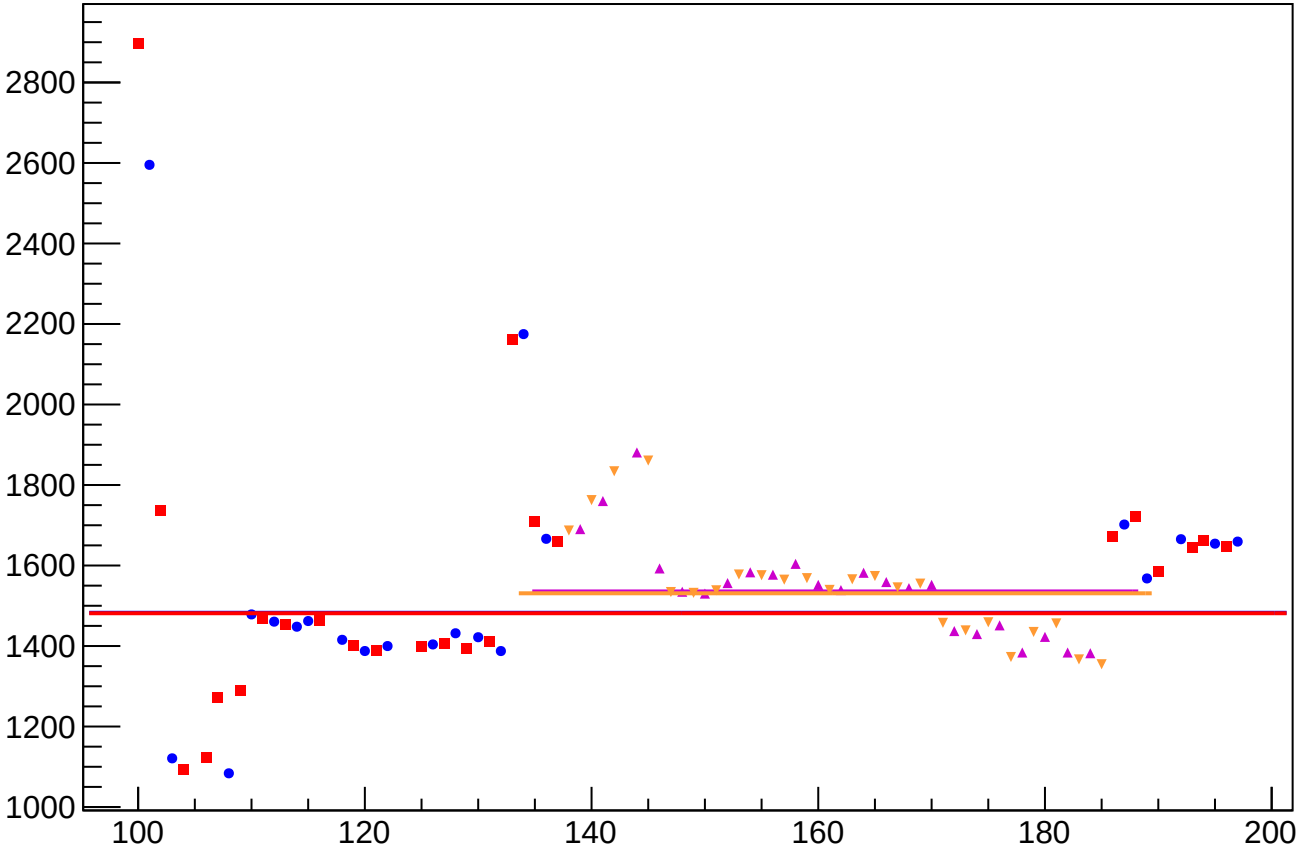
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 192.044+/-282.166 χ^2/NDF: 50.7/44

All: 156.344+/-198.657 χ^2/NDF: 94.3/91

- sign 121.257+/-279.736 χ^2/NDF: 43.6/46

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1482.556+/-0.327 χ^2/NDF: 655837.6/20

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

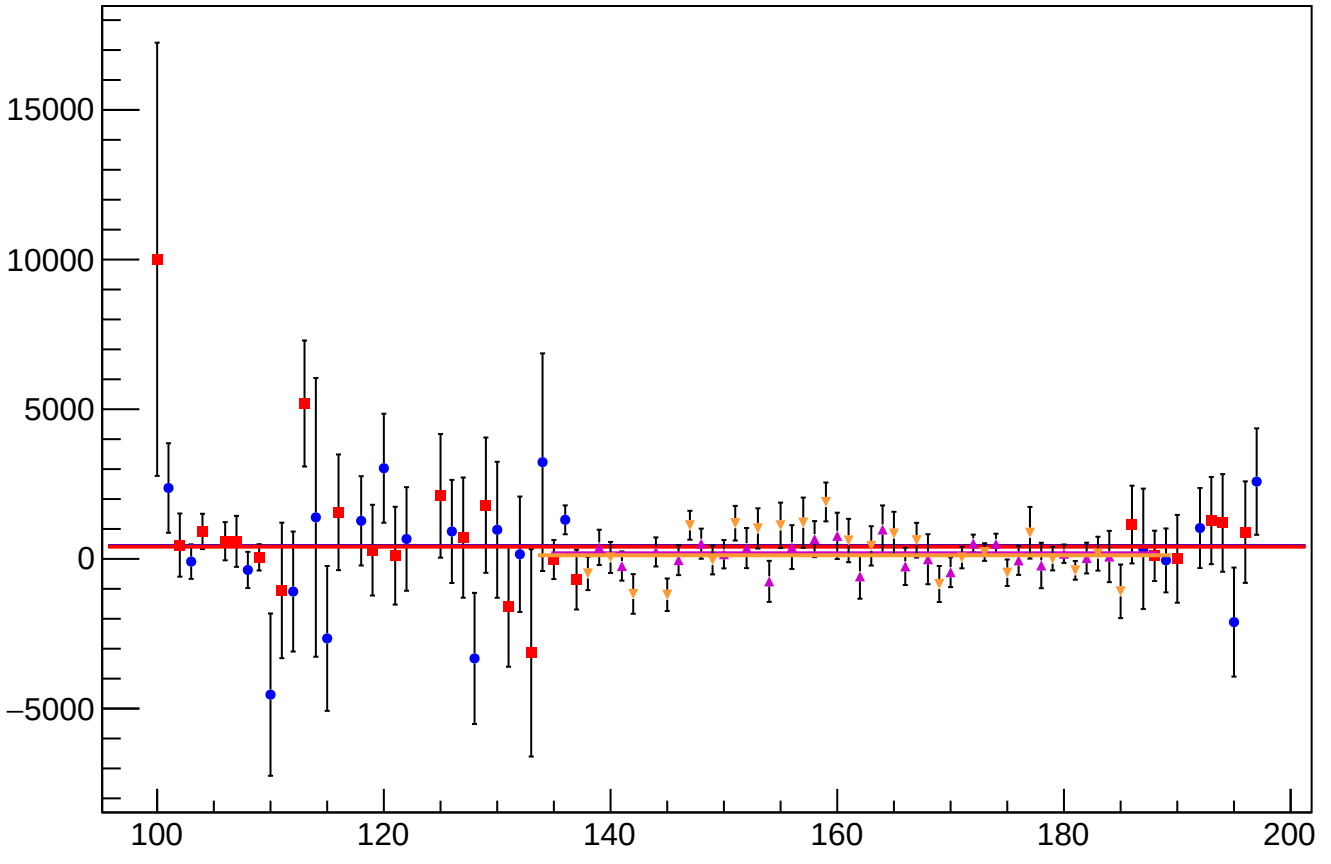
Right Out: 1481.457+/-0.315 χ^2/NDF: 506239.7/23

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1512.910+/-0.200 χ^2/NDF: 873152.3/44

All: 1513.563+/-0.140 χ^2/NDF: 1589712.3/91

- sign 1514.204+/-0.198 χ^2/NDF: 716538.8/46



Right In: 430.453+/-253.600 χ^2/NDF: 23.0/20

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 409.473+/-211.523 χ^2/NDF: 15.2/23

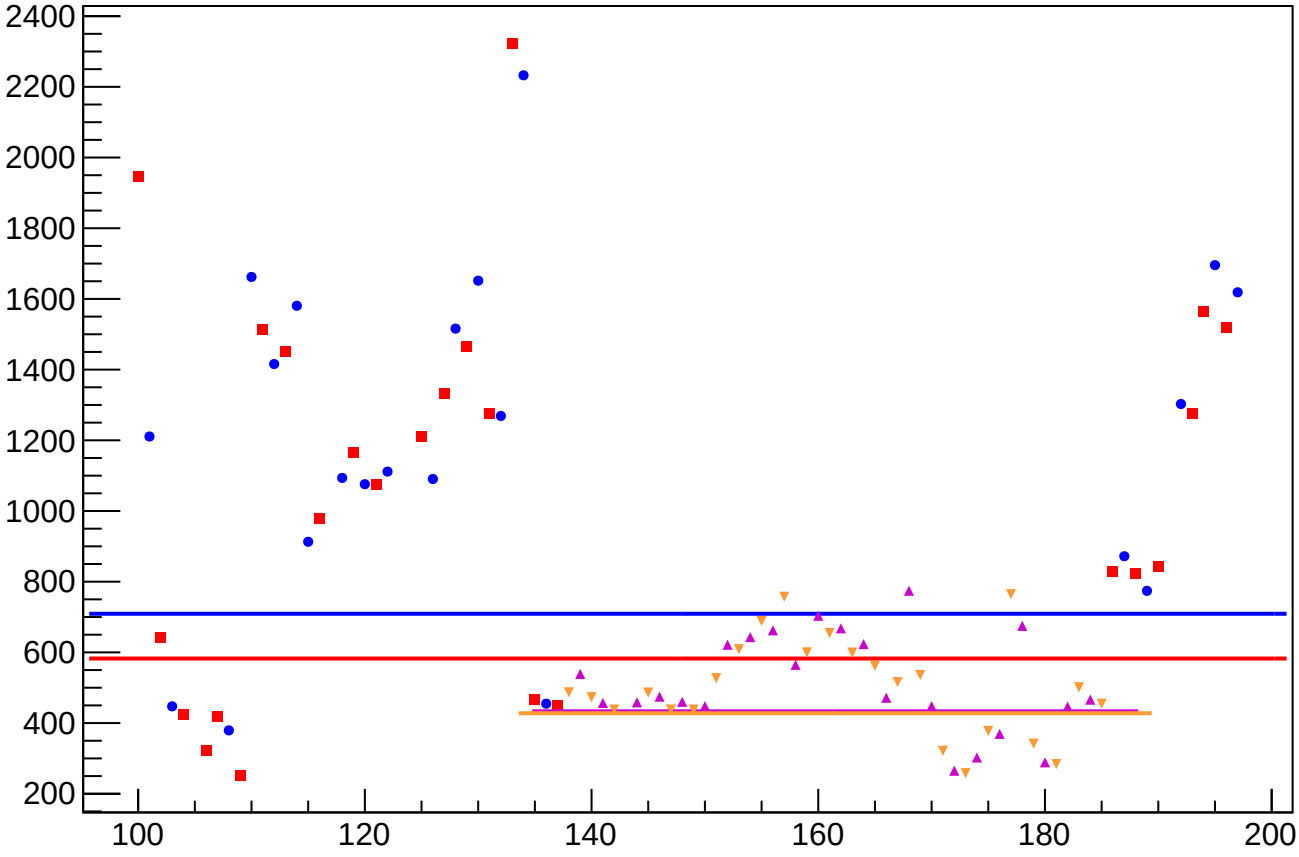
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 166.608+/-97.061 χ^2/NDF: 67.9/44

All: 200.021+/-68.060 χ^2/NDF: 95.9/91

- sign 232.342+/-95.462 χ^2/NDF: 27.7/46

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 709.253+/-0.179 χ^2/NDF: 5446422.7/20

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

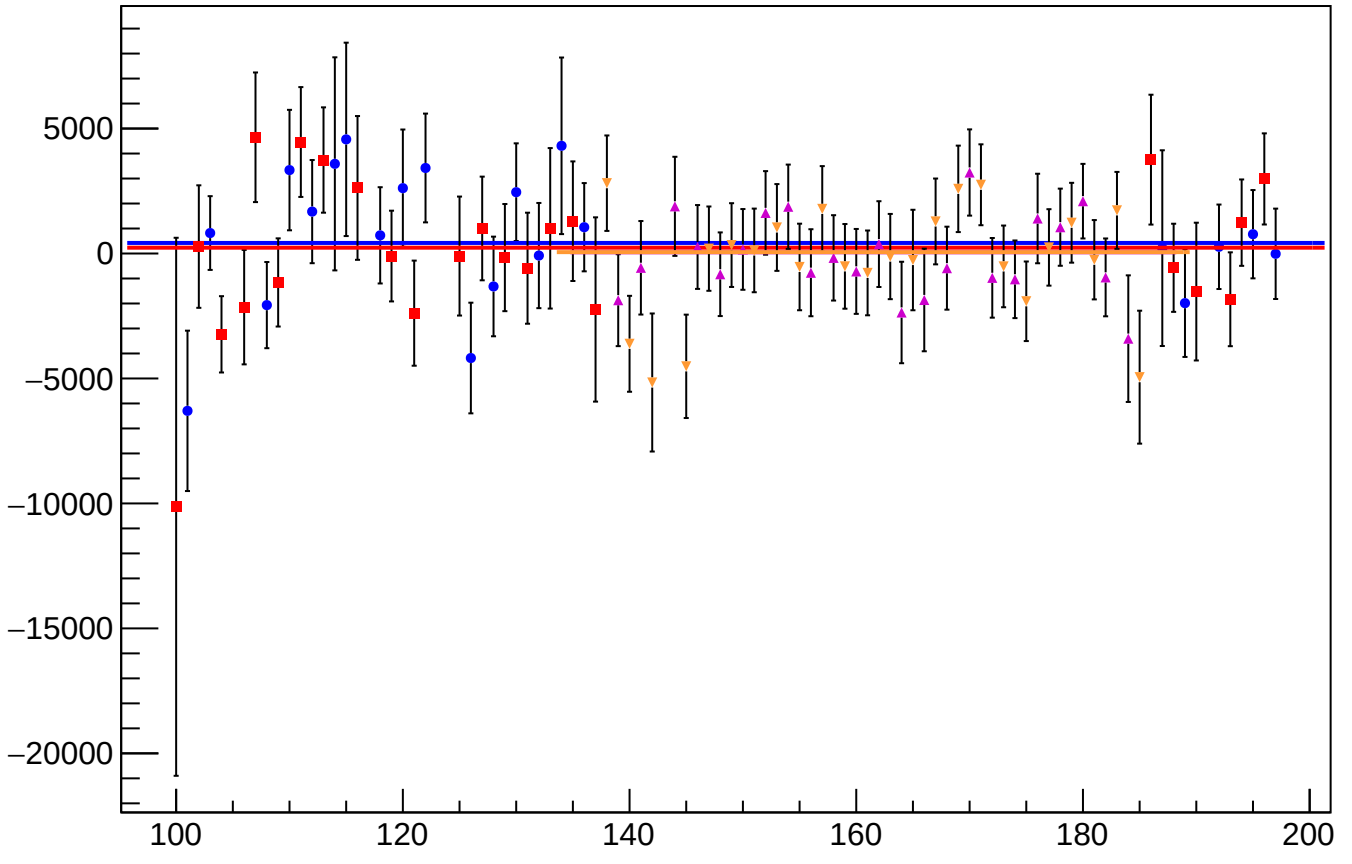
Right Out: 582.611+/-0.150 χ^2/NDF: 6706711.2/23

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 469.040+/-0.069 χ^2/NDF: 10737197.9/44

All: 466.325+/-0.048 χ^2/NDF: 21488595.2/91

- sign 463.699+/-0.068 χ^2/NDF: 10748318.9/46



Right In: 422.756+/-461.945 χ^2/NDF: 21.8/20

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 233.244+/-445.305 χ^2/NDF: 26.7/23

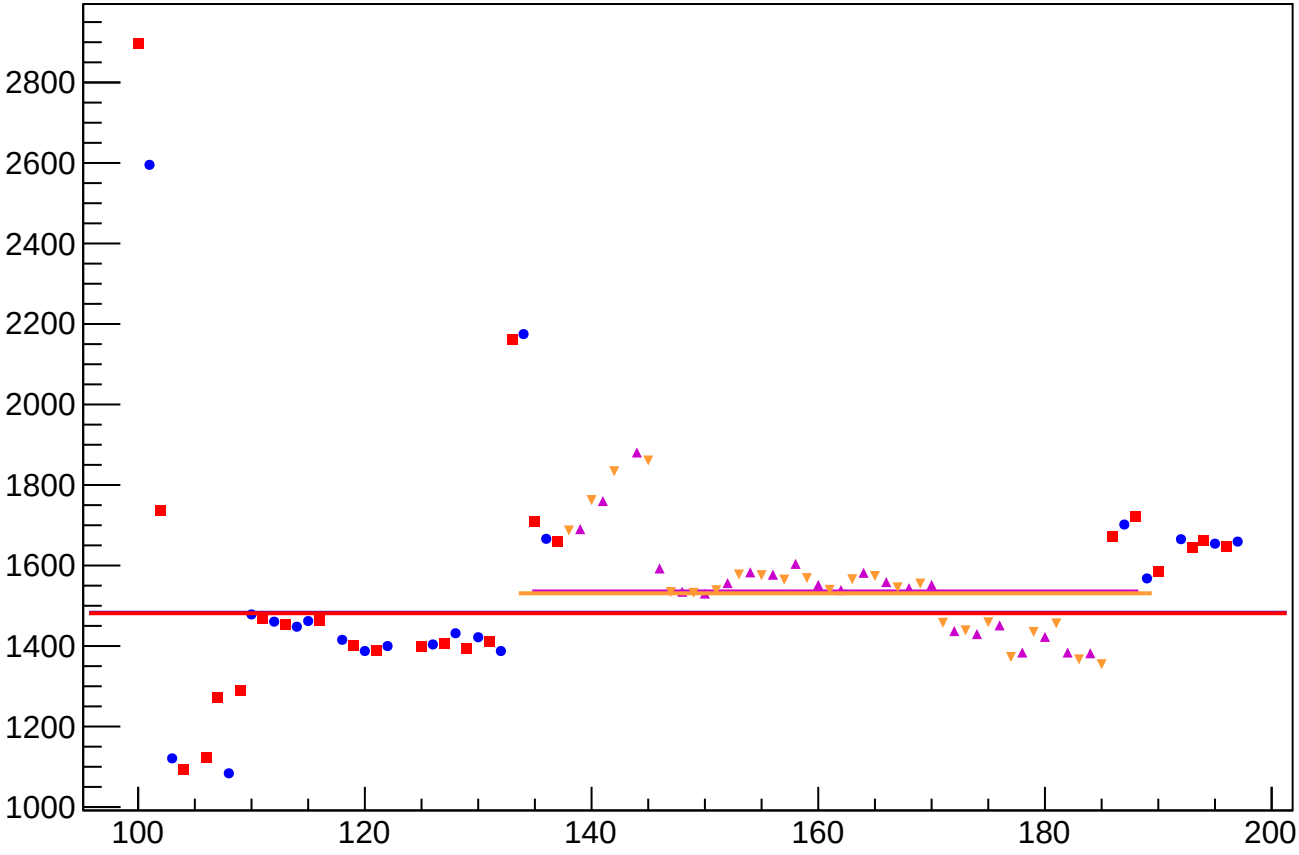
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 192.044+/-282.166 χ^2/NDF: 50.7/44

All: 156.344+/-198.657 χ^2/NDF: 94.3/91

- sign 121.257+/-279.736 χ^2/NDF: 43.6/46

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1482.556+/-0.327 χ^2/NDF: 655837.6/20

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

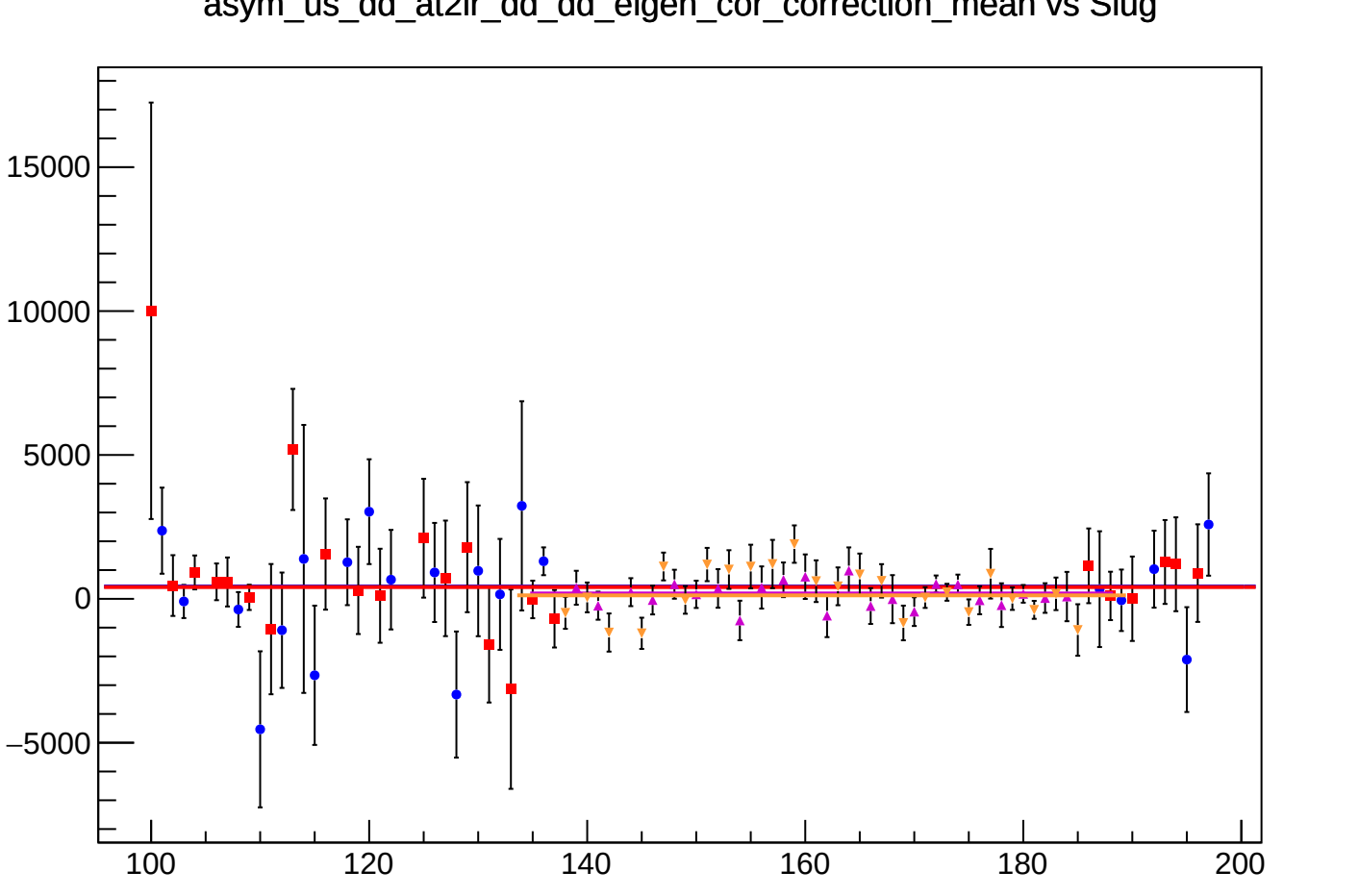
Right Out: 1481.457+/-0.315 χ^2/NDF: 506239.7/23

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1512.910+/-0.200 χ^2/NDF: 873152.3/44

All: 1513.563+/-0.140 χ^2/NDF: 1589712.3/91

- sign 1514.204+/-0.198 χ^2/NDF: 716538.8/46



Right In: 430.453+/-253.600 χ^2/NDF: 23.0/20

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 409.473+/-211.523 χ^2/NDF: 15.2/23

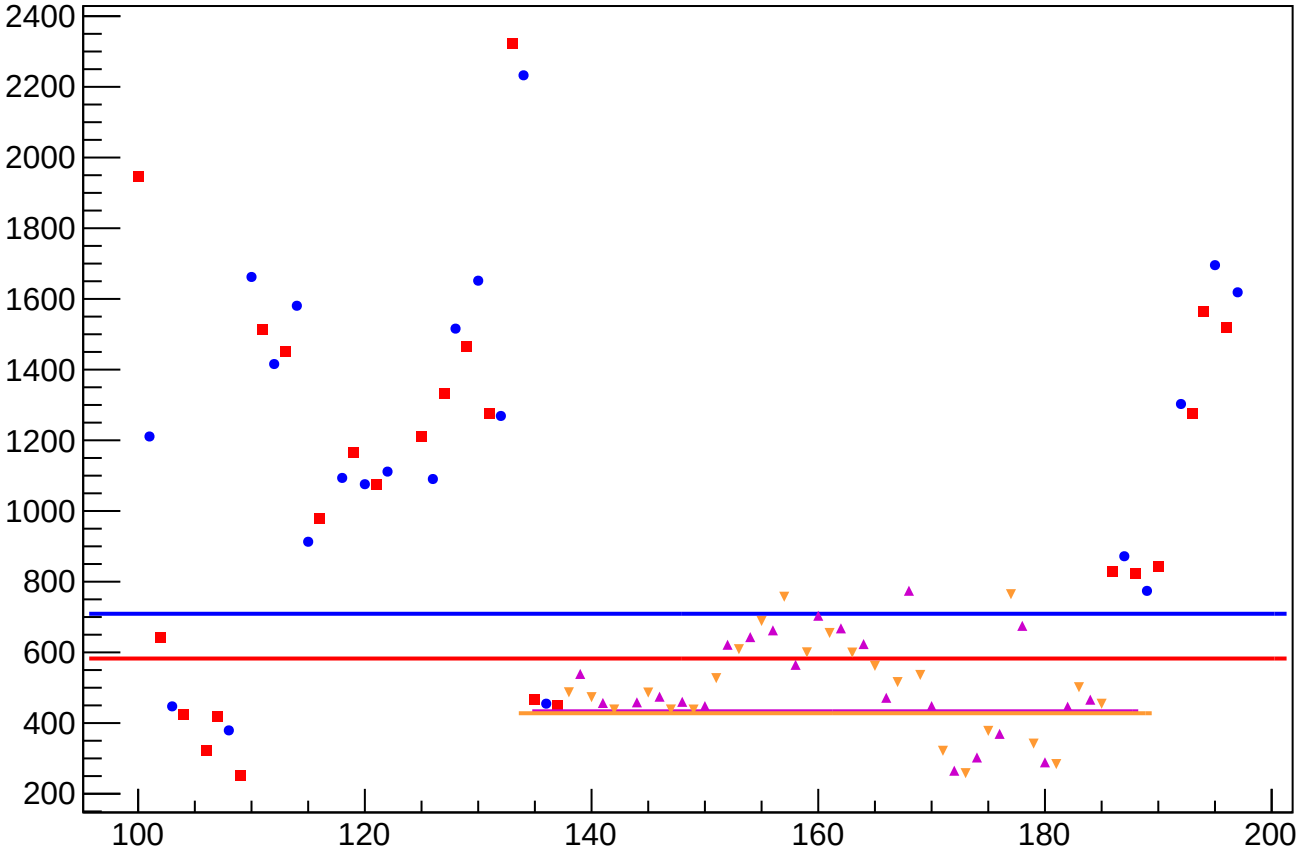
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 166.608+/-97.061 χ^2/NDF: 67.9/44

All: 200.021+/-68.060 χ^2/NDF: 95.9/91

- sign 232.342+/-95.462 χ^2/NDF: 27.7/46

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug



Right In: 709.253+/-0.179 χ^2/NDF: 5446422.7/20

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

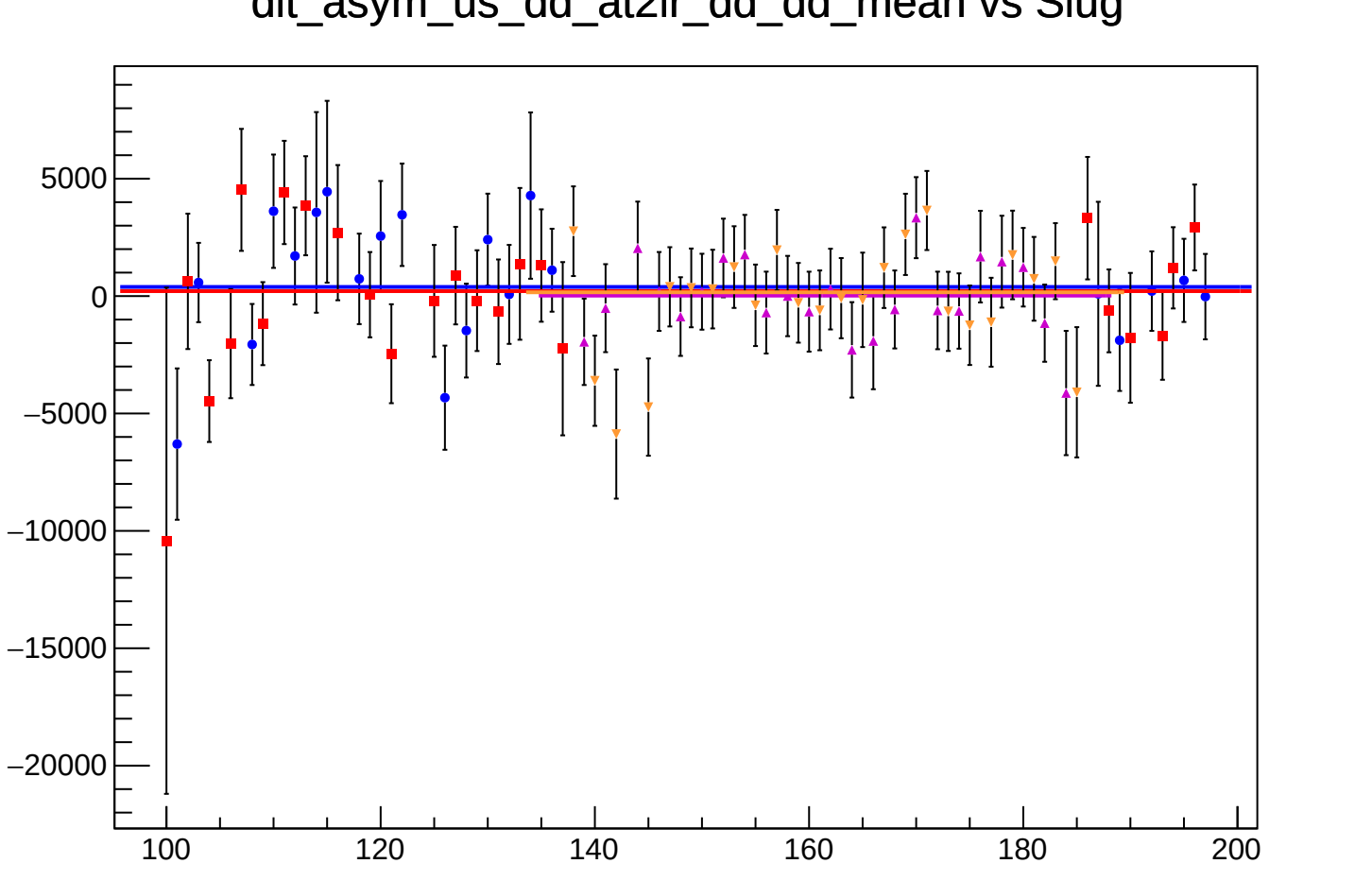
Right Out: 582.611+/-0.150 χ^2/NDF: 6706711.2/23

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 469.040+/-0.069 χ^2/NDF: 10737197.9/44

All: 466.325+/-0.048 χ^2/NDF: 21488595.2/91

- sign 463.699+/-0.068 χ^2/NDF: 10748318.9/46



Right In: 389.559+/-468.287 χ^2/NDF: 22.1/20

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 211.673+/-452.806 χ^2/NDF: 28.3/23

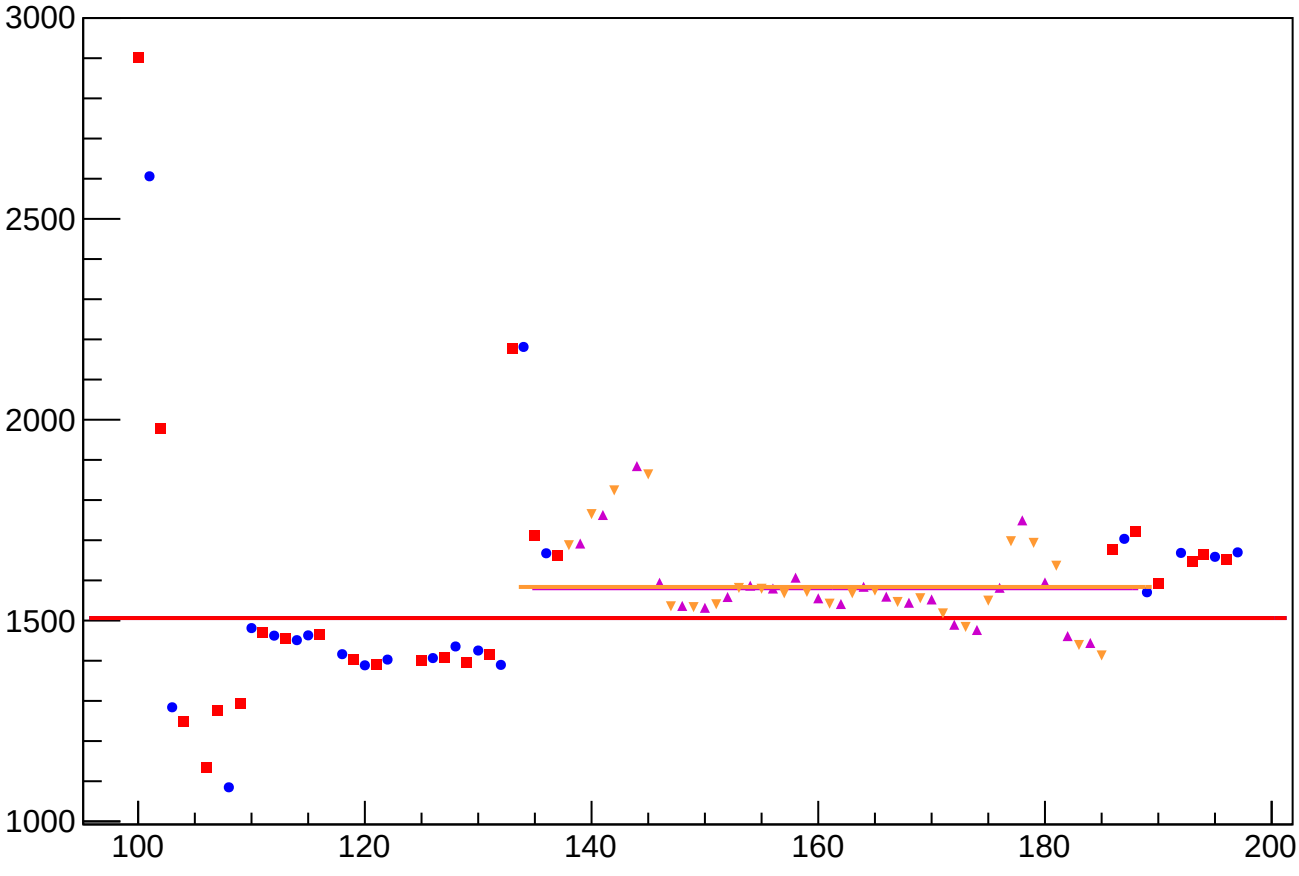
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

\+ sign 248.732+/-289.525 χ^2/NDF: 52.2/44

All: 171.963+/-203.615 χ^2/NDF: 96.7/91

\- sign 96.837+/-286.410 χ^2/NDF: 44.4/46

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.311+/-0.331 χ^2/NDF: 563799.1/20

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

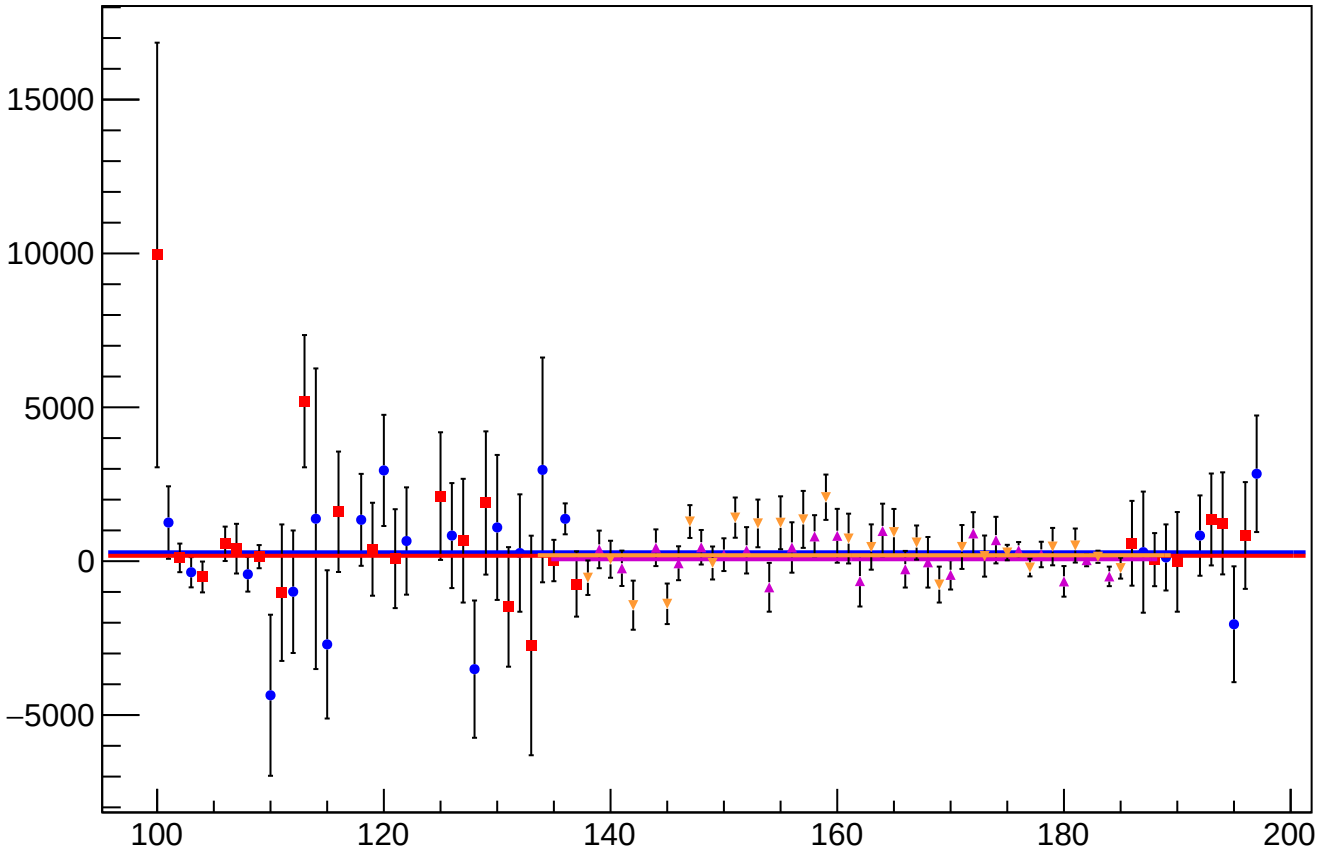
Right Out: 1506.240+/-0.320 χ^2/NDF: 444499.4/23

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1554.101+/-0.205 χ^2/NDF: 731101.3/44

All: 1552.417+/-0.144 χ^2/NDF: 1333719.8/91

- sign 1550.768+/-0.203 χ^2/NDF: 602484.4/46



Right In: 288.800+/-242.498 χ^2/NDF: 23.8/20

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: 174.913+/-184.288 χ^2/NDF: 15.8/23

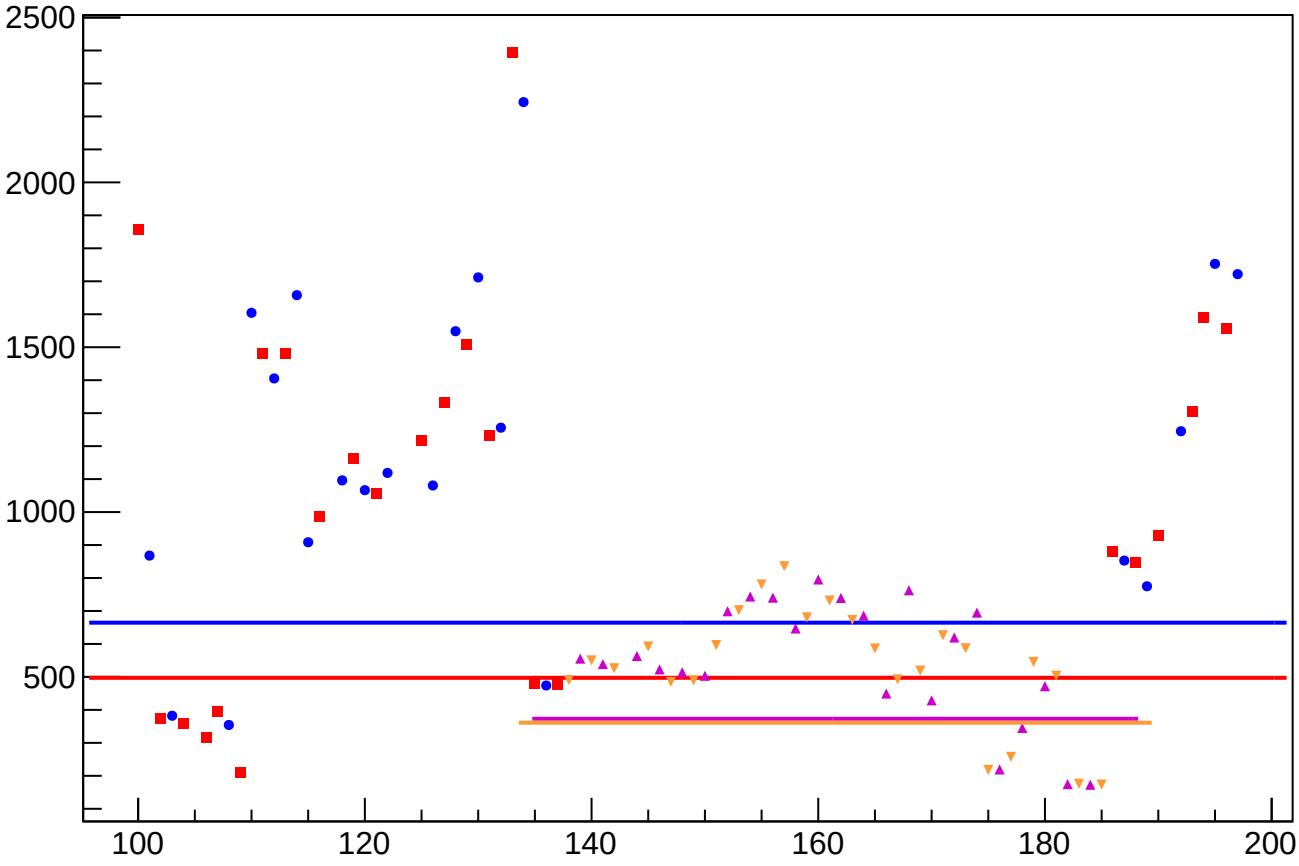
Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 206.220+/-89.174 χ^2/NDF: 64.0/44

All: 145.980+/-62.529 χ^2/NDF: 98.0/91

- sign 87.713+/-87.702 χ^2/NDF: 33.1/46

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 664.535+/-0.171 χ^2/NDF: 5772704.3/20

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

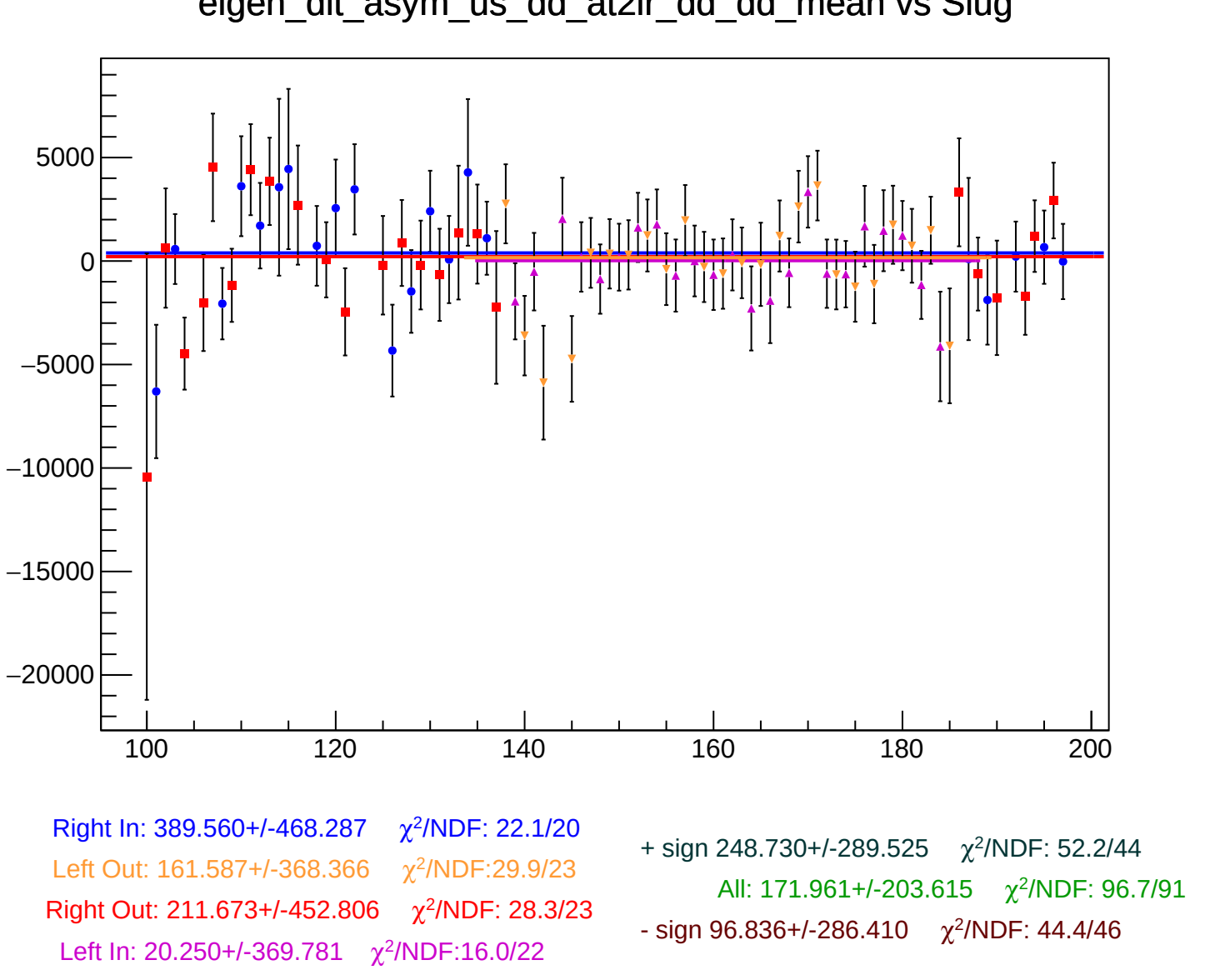
Right Out: 497.323+/-0.130 χ^2/NDF: 7969564.1/23

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

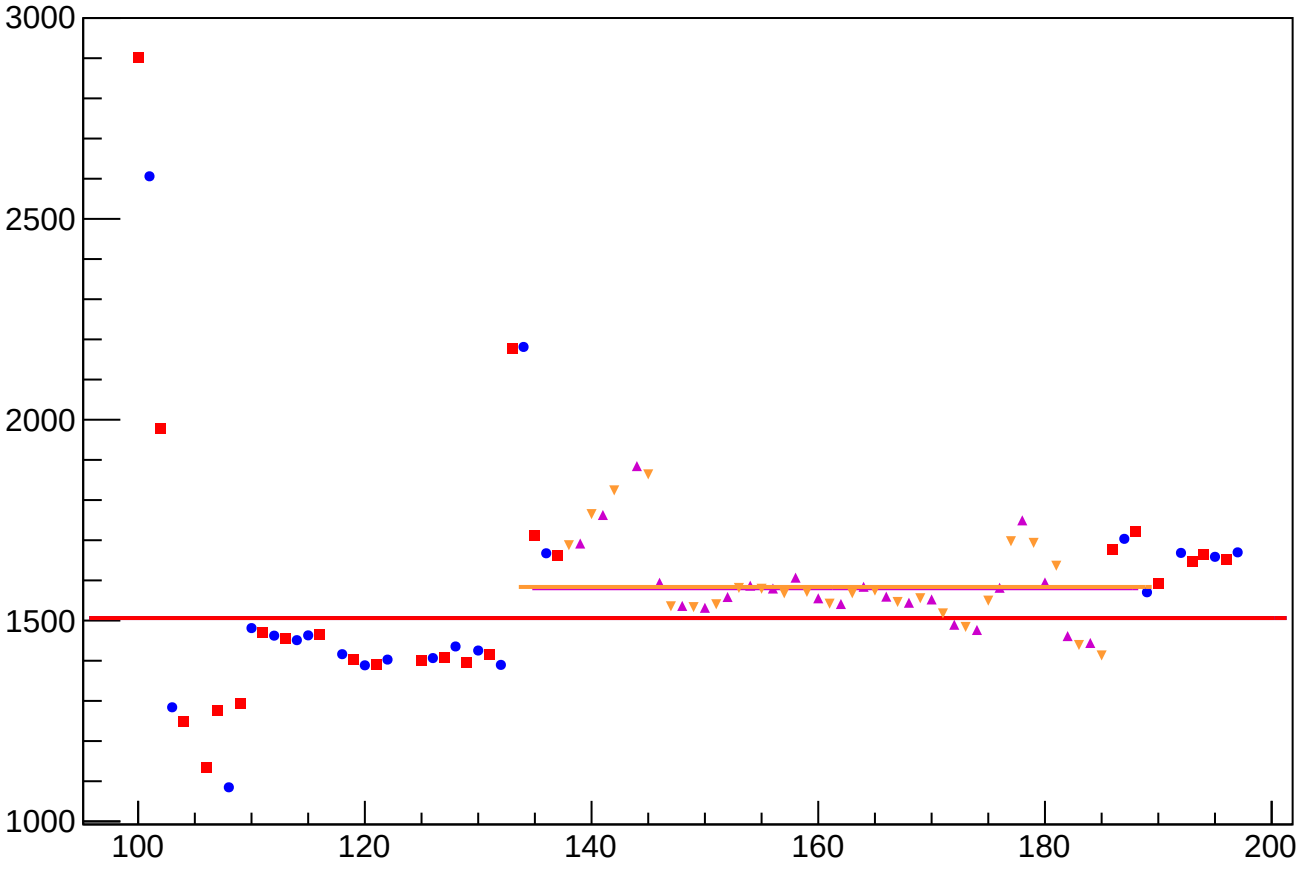
+ sign 402.132+/-0.063 χ^2/NDF: 16663821.7/44

All: 401.691+/-0.044 χ^2/NDF: 33543313.3/91

- sign 401.264+/-0.062 χ^2/NDF: 16879395.2/46


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: 389.560+/-468.287 χ²/NDF: 22.1/20
Left Out: 161.587+/-368.366 χ²/NDF:29.9/23
Right Out: 211.673+/-452.806 χ²/NDF: 28.3/23
Left In: 20.250+/-369.781 χ²/NDF:16.0/22
+ sign 248.730+/-289.525 χ²/NDF: 52.2/44
All: 171.961+/-203.615 χ²/NDF: 96.7/91
- sign 96.836+/-286.410 χ²/NDF: 44.4/46

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.311+/-0.331 χ^2/NDF: 563798.5/20

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

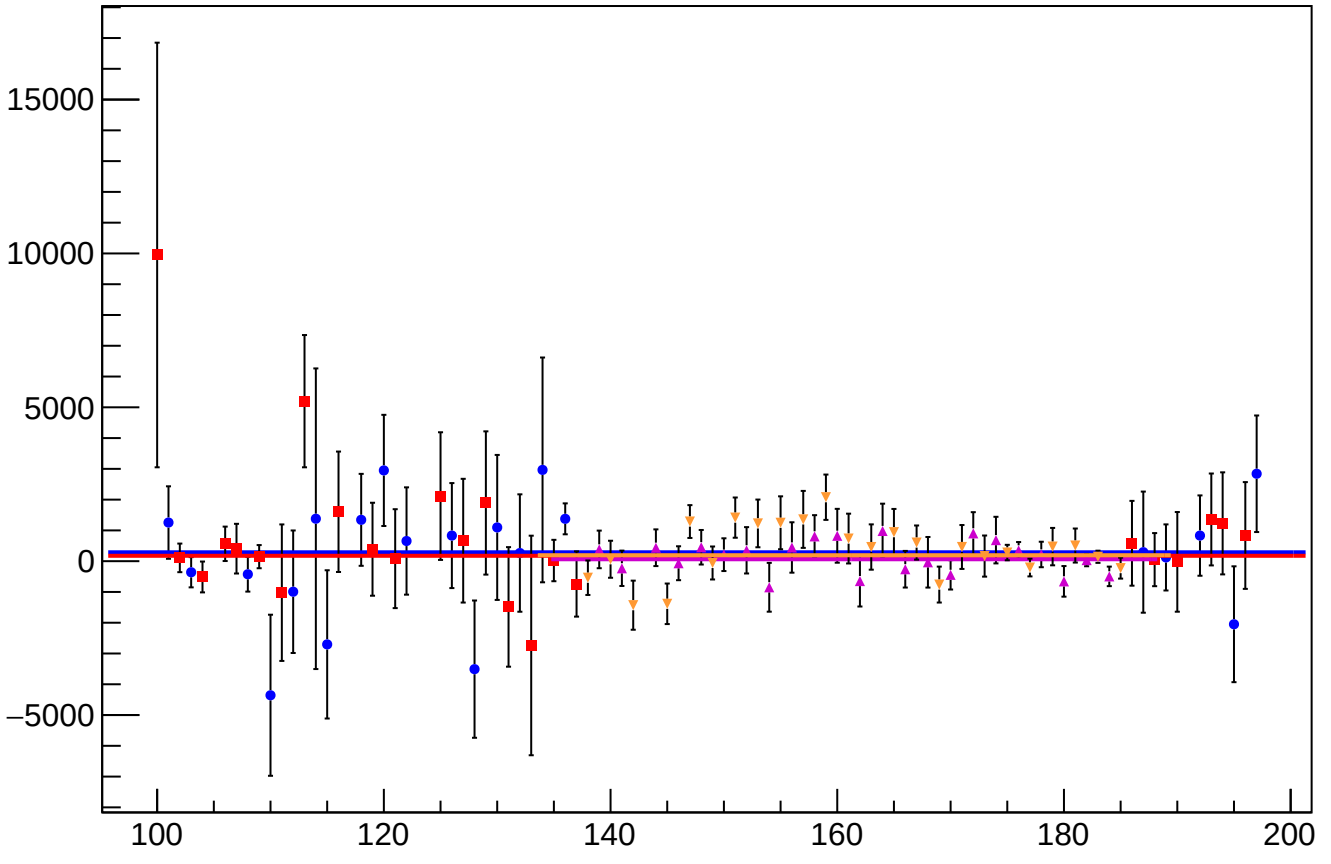
Right Out: 1506.240+/-0.320 χ^2/NDF: 444499.6/23

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1554.101+/-0.205 χ^2/NDF: 731100.8/44

All: 1552.417+/-0.144 χ^2/NDF: 1333719.1/91

- sign 1550.768+/-0.203 χ^2/NDF: 602484.4/46



Right In: 288.794+/-242.498 χ^2/NDF: 23.8/20

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

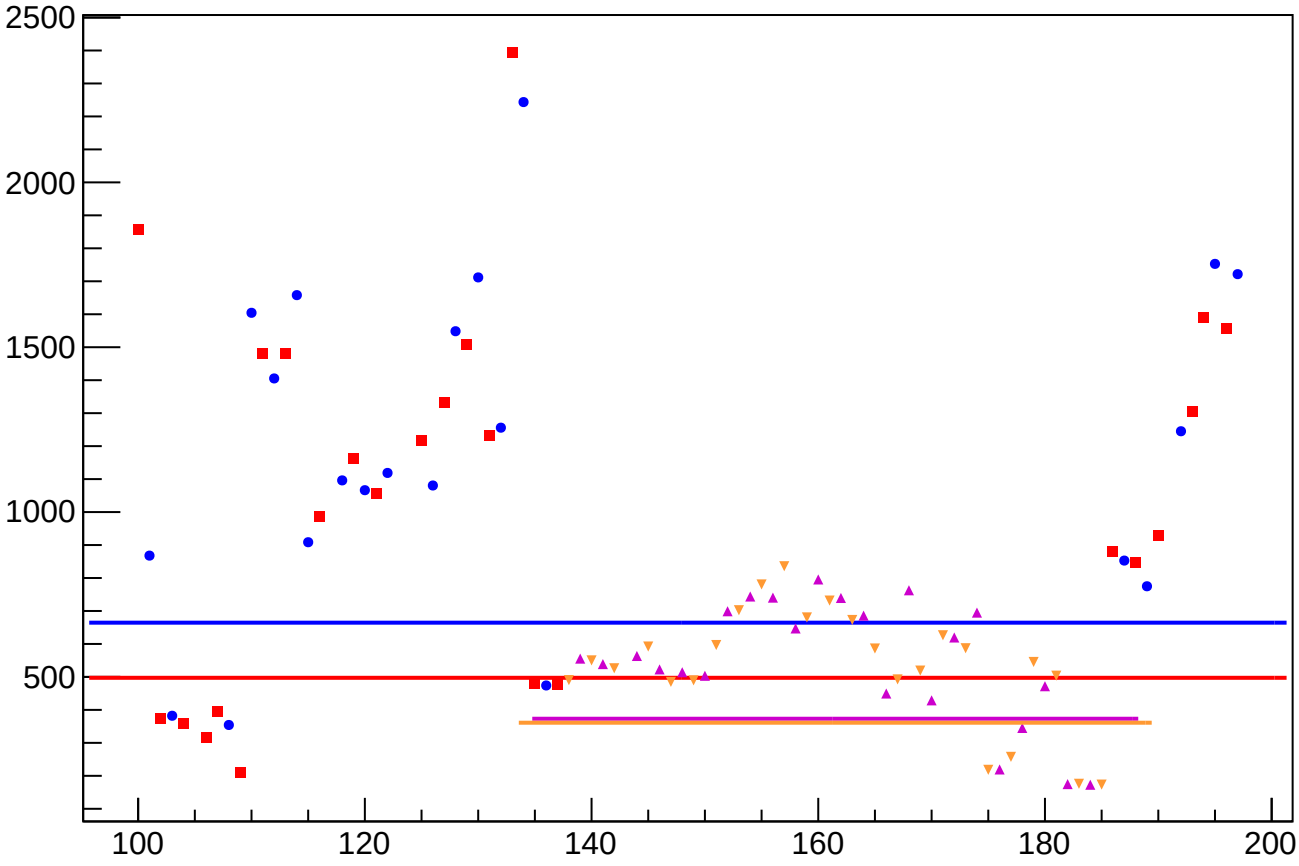
Right Out: 174.910+/-184.290 χ^2/NDF: 15.8/23

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 206.224+/-89.175 χ^2/NDF: 64.0/44

All: 145.981+/-62.529 χ^2/NDF: 98.0/91

- sign 87.711+/-87.702 χ^2/NDF: 33.1/46



Right In: 664.533+/-0.171 χ^2/NDF: 5772731.7/20

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 497.329+/-0.130 χ^2/NDF: 7969449.5/23

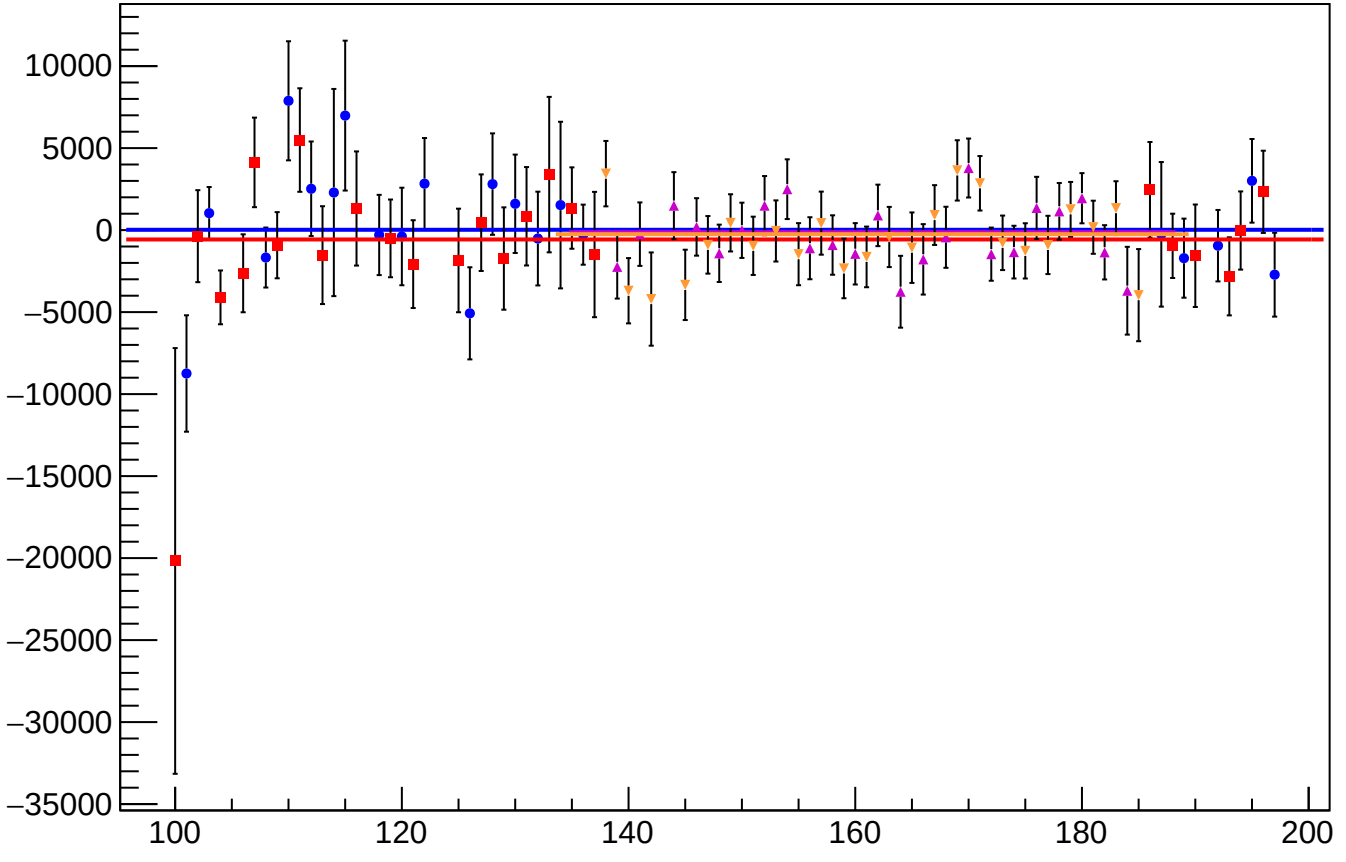
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 402.136+/-0.063 χ^2/NDF: 16663602.9/44

All: 401.695+/-0.044 χ^2/NDF: 33542740.5/91

- sign 401.269+/-0.062 χ^2/NDF: 16879041.6/46

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 19.548+/-577.952 χ^2/NDF: 24.1/20

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -570.360+/-544.662 χ^2/NDF: 20.6/23

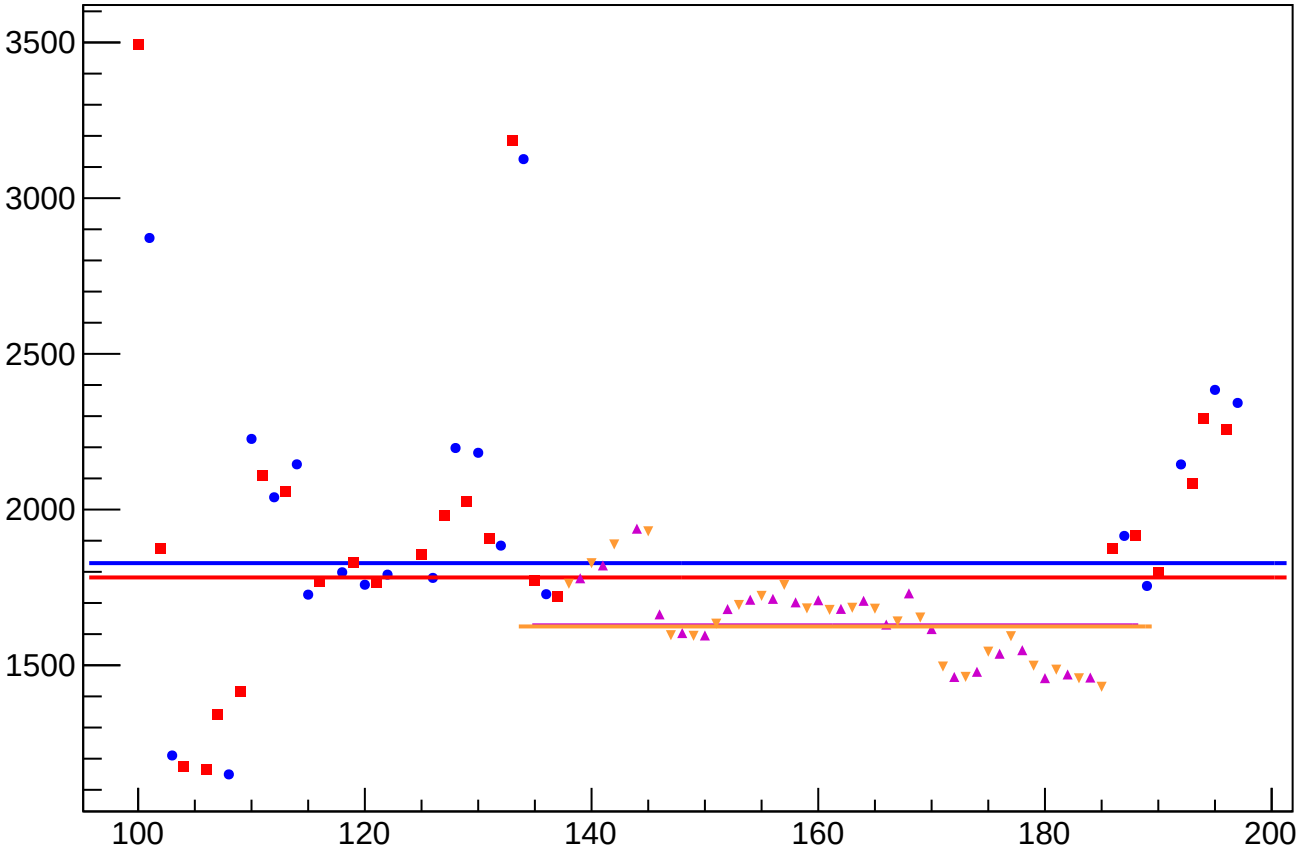
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -167.152+/-316.479 χ^2/NDF: 50.3/44

All: -220.378+/-222.316 χ^2/NDF: 92.5/91

- sign -272.230+/-312.366 χ^2/NDF: 42.2/46

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1827.965+/-0.409 χ^2/NDF: 1207233.5/20

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

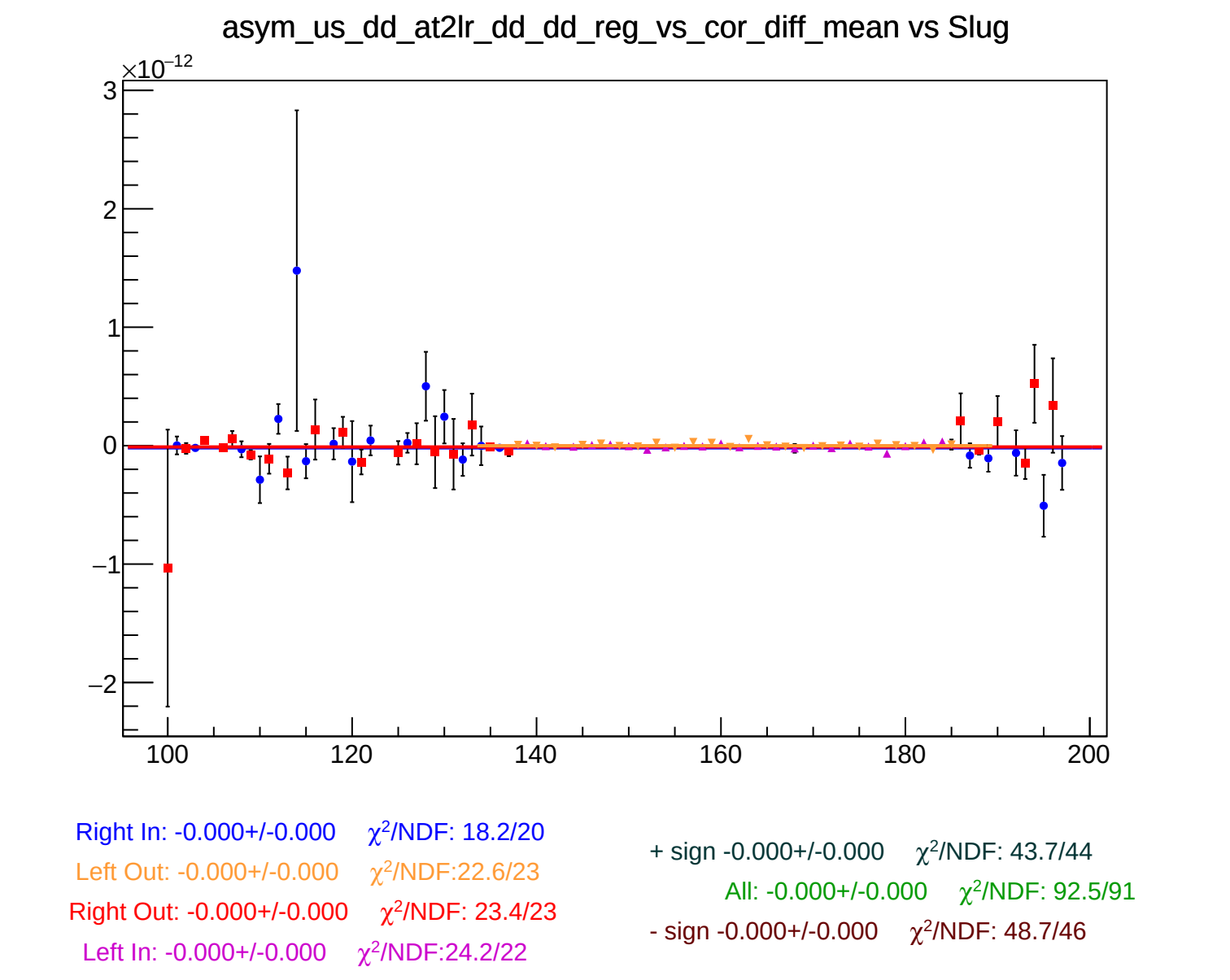
Right Out: 1781.988+/-0.385 χ^2/NDF: 1011069.3/23

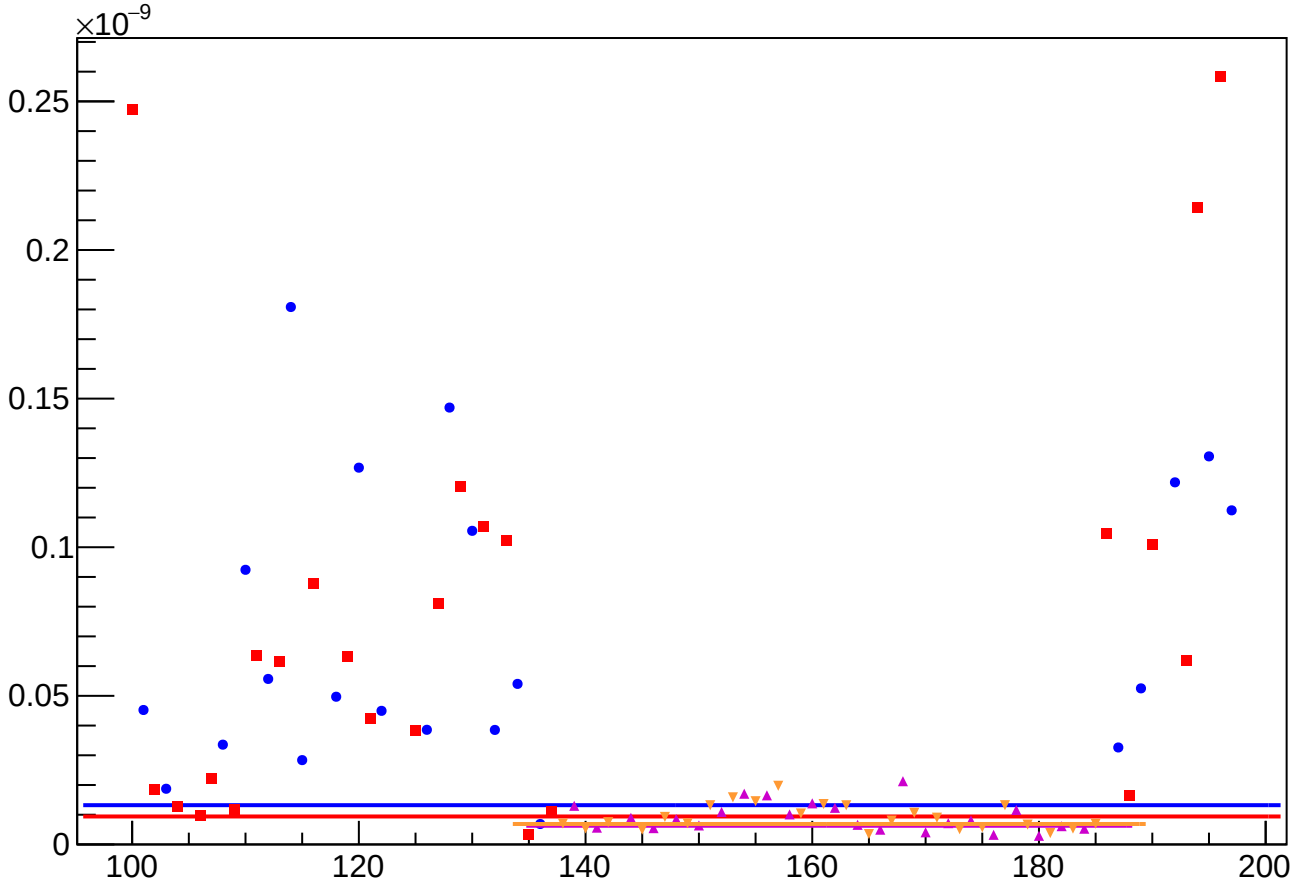
Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1685.589+/-0.224 χ^2/NDF: 1587842.5/44

All: 1682.148+/-0.157 χ^2/NDF: 2911234.9/91

- sign 1678.796+/-0.221 χ^2/NDF: 1322925.6/46


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 18.2/20
Left Out: -0.000+/-0.000 χ²/NDF:22.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 23.4/23
Left In: -0.000+/-0.000 χ²/NDF:24.2/22
+ sign -0.000+/-0.000 χ²/NDF: 43.7/44
All: -0.000+/-0.000 χ²/NDF: 92.5/91
- sign -0.000+/-0.000 χ²/NDF: 48.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 5195943.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

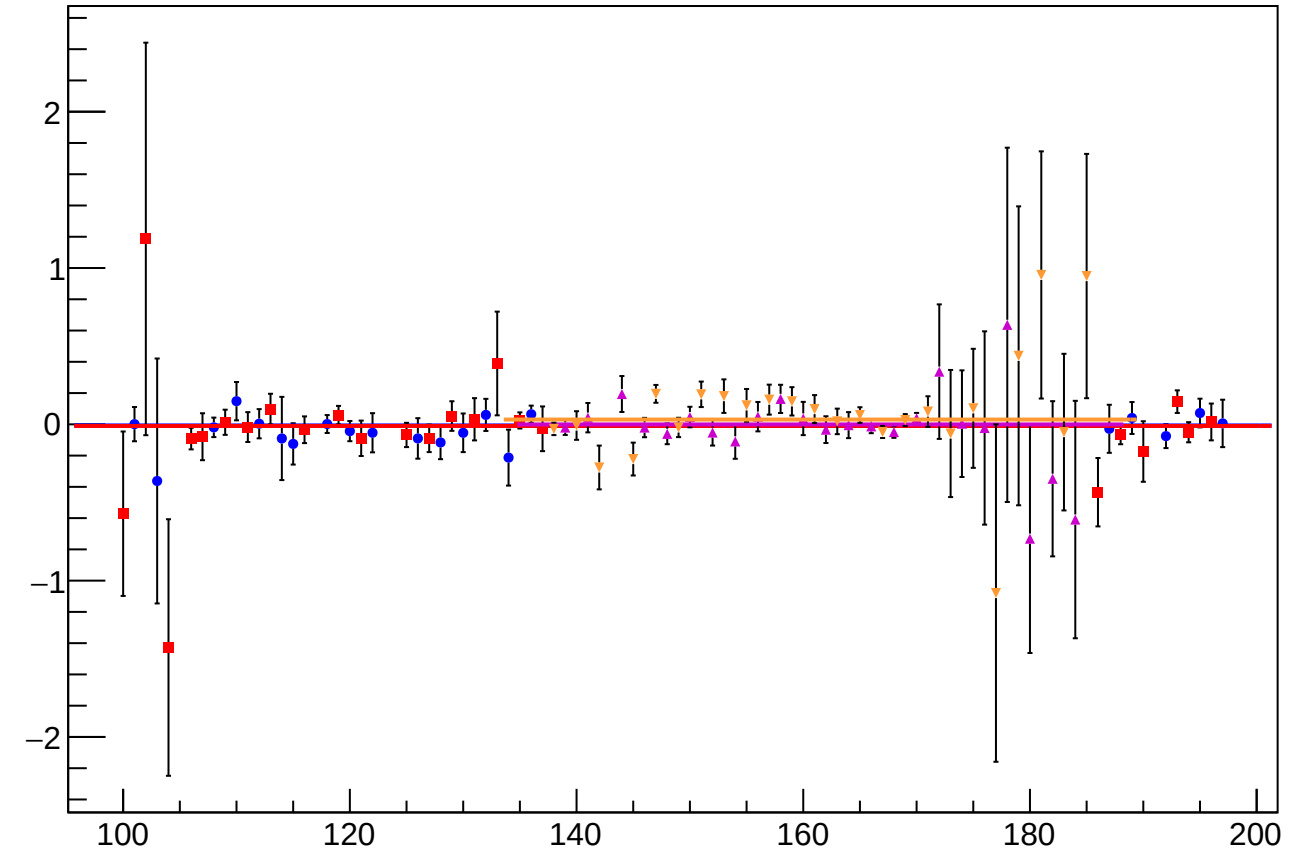
Right Out: 0.000+/-0.000 χ^2/NDF: 6191193.6/23

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8173029.6/44

All: 0.000+/-0.000 χ^2/NDF: 17584358.5/91

- sign 0.000+/-0.000 χ^2/NDF: 9328326.4/46



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/20

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: -0.010+/-0.019 χ^2/NDF: 24.1/23

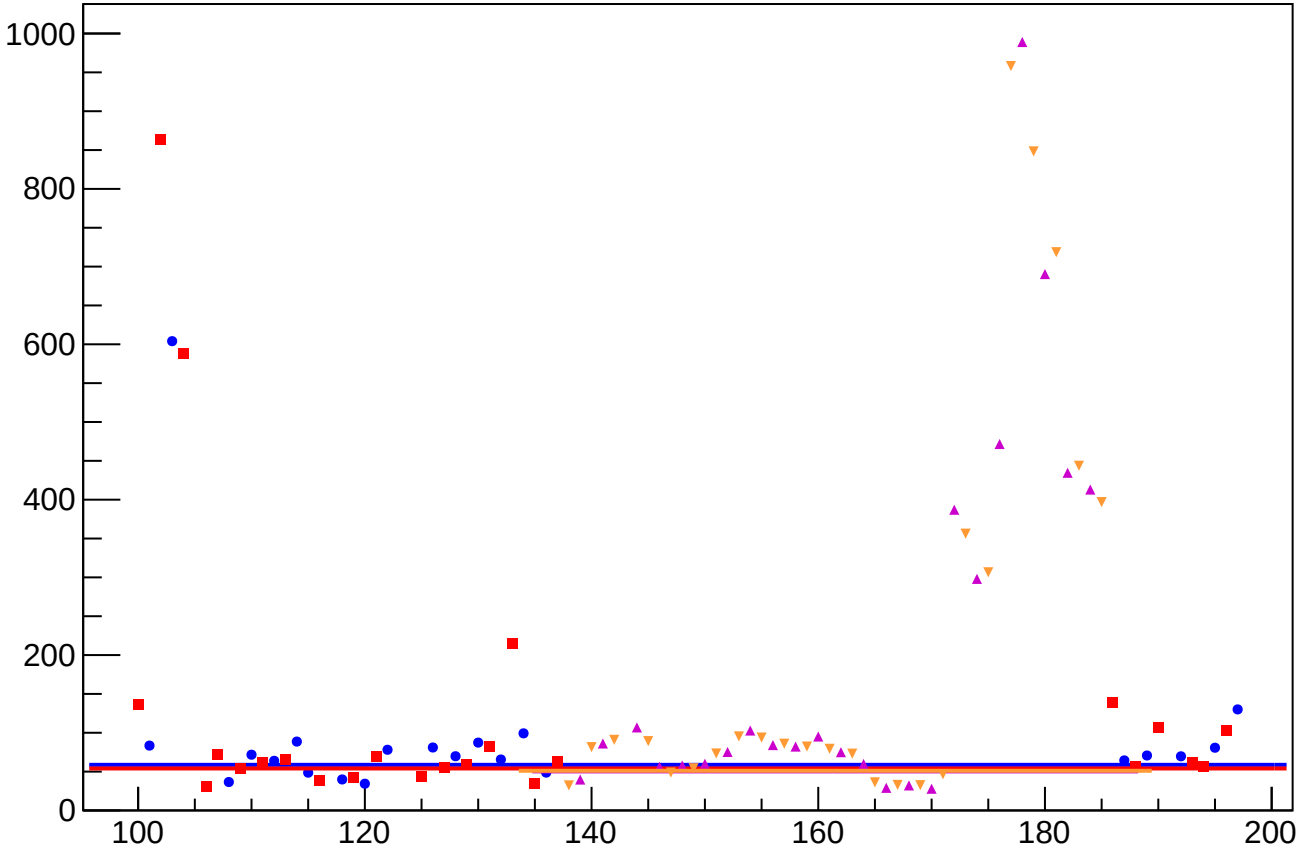
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/44

All: 0.006+/-0.009 χ^2/NDF: 95.6/91

- sign -0.005+/-0.012 χ^2/NDF: 40.3/46

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 58.718+/-0.015 χ^2/NDF: 2929135.7/20

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

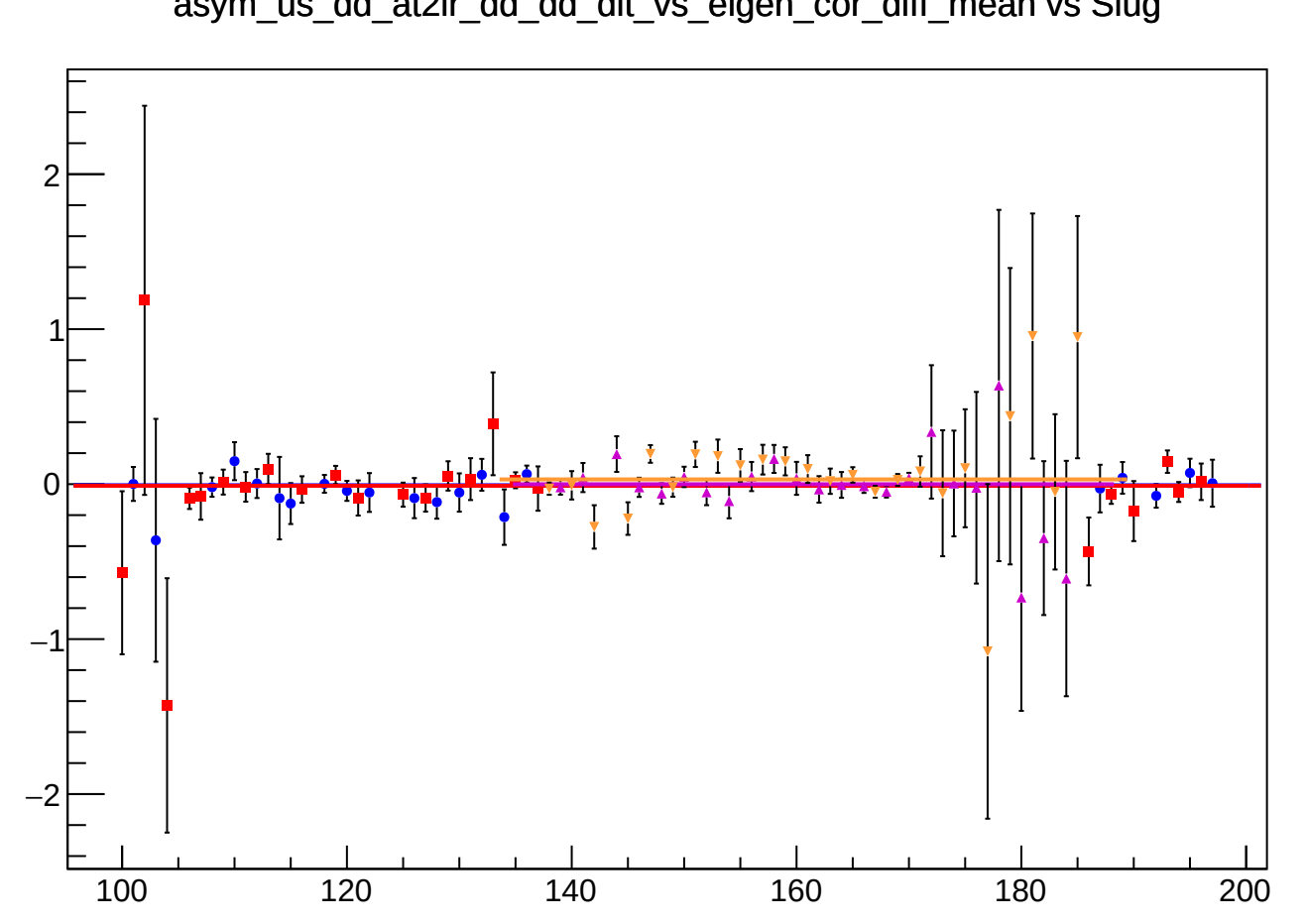
Right Out: 54.030+/-0.013 χ^2/NDF: 3923269.5/23

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 53.826+/-0.009 χ^2/NDF: 14840890.2/44

All: 52.745+/-0.006 χ^2/NDF: 31037971.5/91

\- sign 51.758+/-0.008 χ^2/NDF: 16167935.5/46



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/20

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

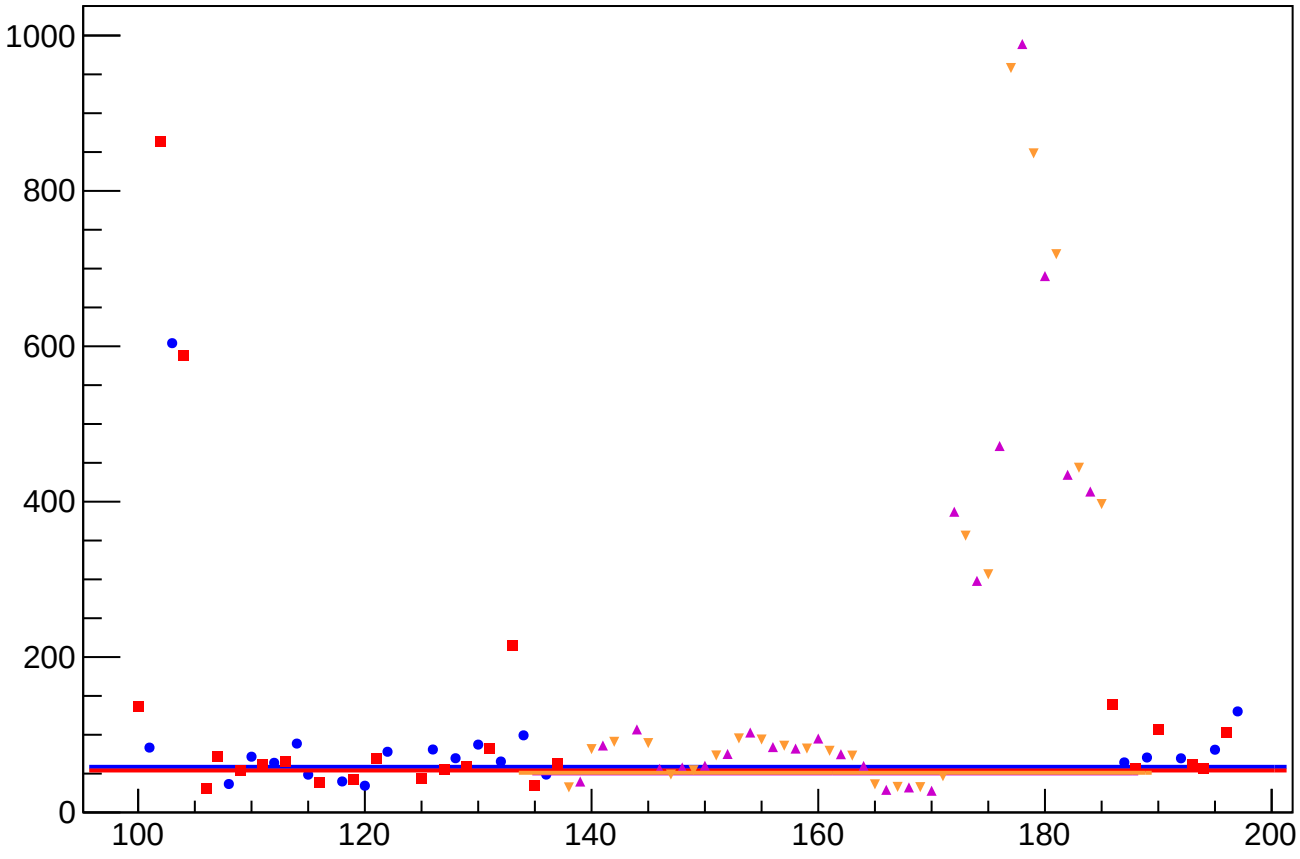
Right Out: -0.010+/-0.019 χ^2/NDF: 24.1/23

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/44

All: 0.006+/-0.009 χ^2/NDF: 95.6/91

- sign -0.005+/-0.012 χ^2/NDF: 40.3/46



Right In: 58.718+/-0.015 χ^2/NDF: 2929135.7/20

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

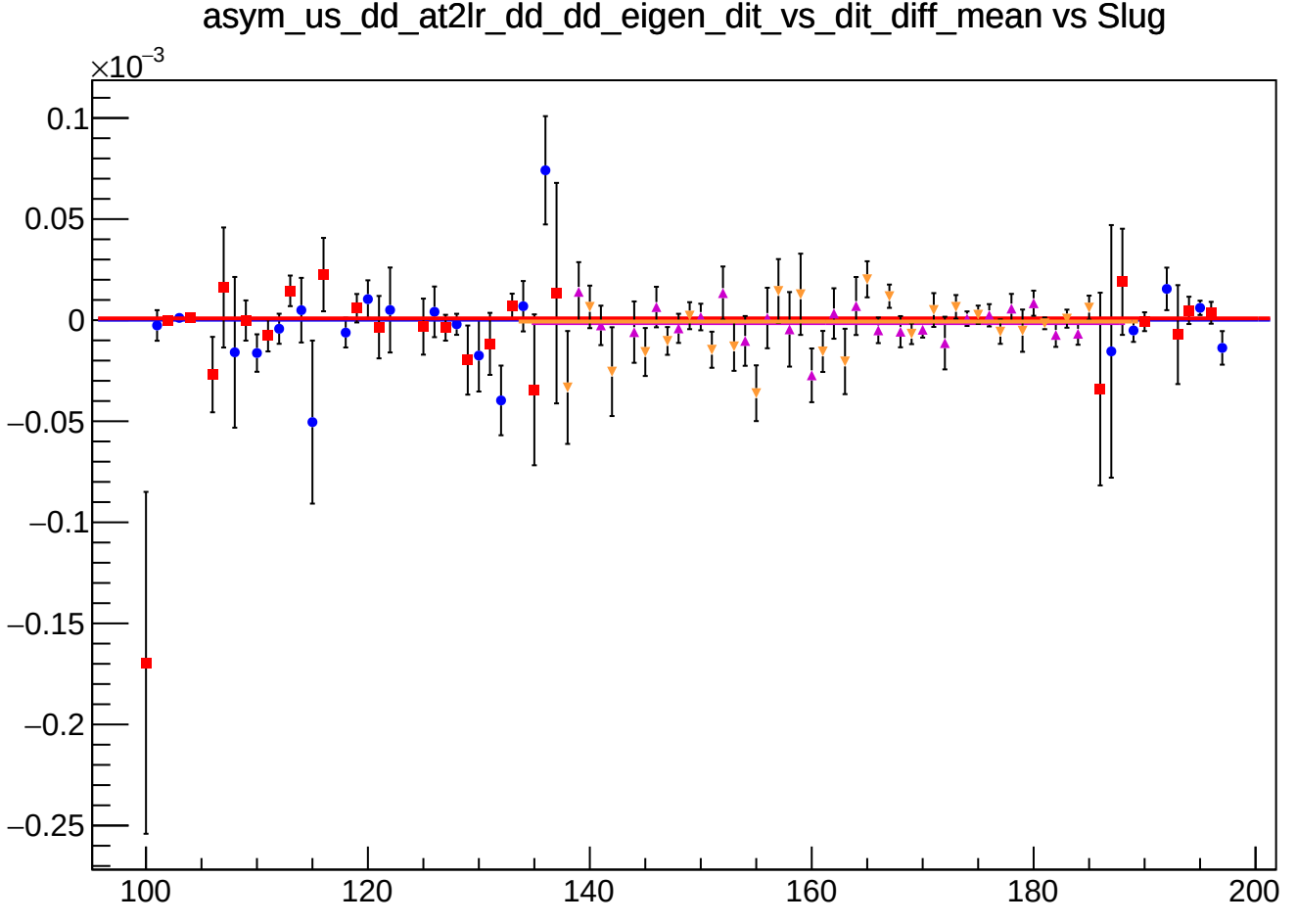
Right Out: 54.030+/-0.013 χ^2/NDF: 3923269.5/23

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 53.826+/-0.009 χ^2/NDF: 14840890.2/44

All: 52.745+/-0.006 χ^2/NDF: 31037971.5/91

- sign 51.758+/-0.008 χ^2/NDF: 16167935.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

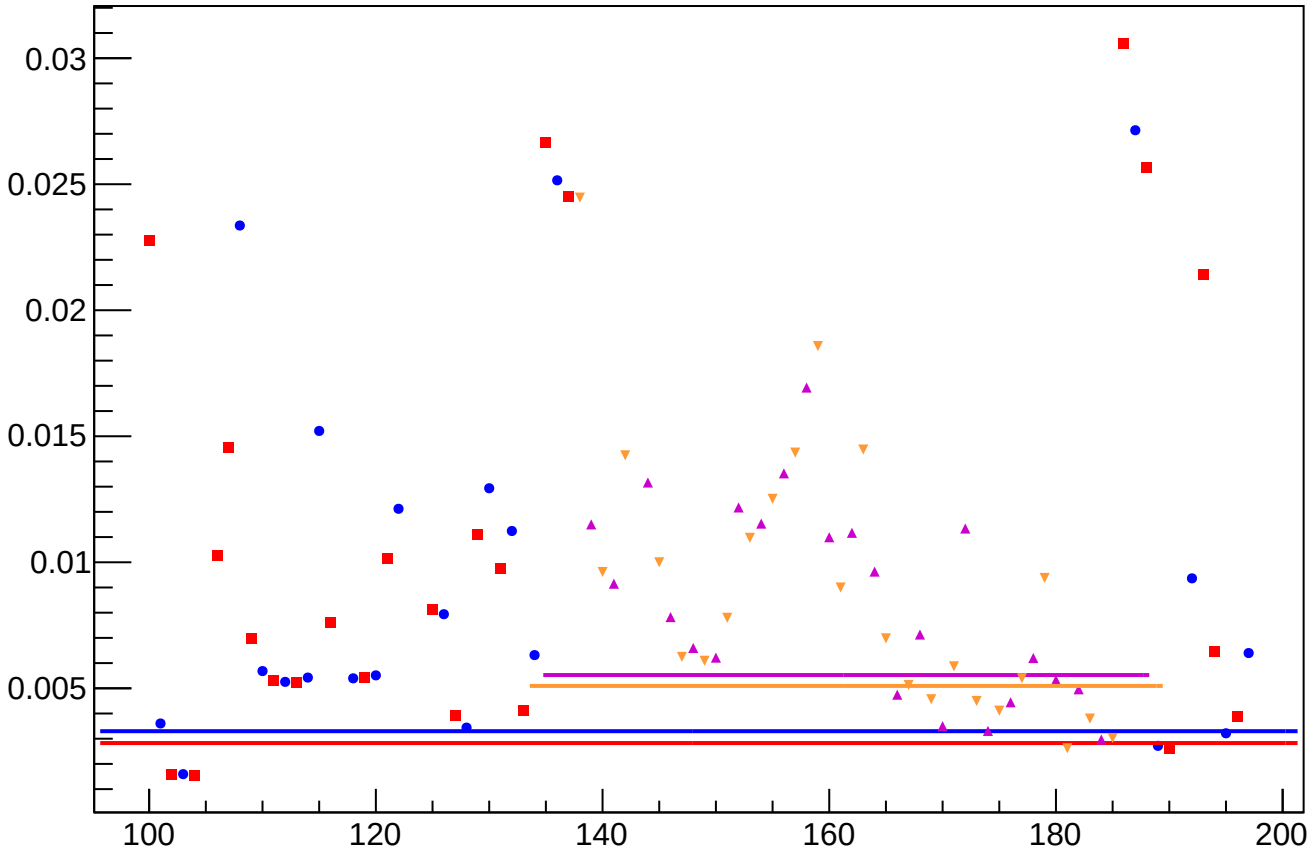
Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/23

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.6/44

All: -0.000+/-0.000 χ^2/NDF: 107.2/91

- sign 0.000+/-0.000 χ^2/NDF: 37.6/46



Right In: 0.003+/-0.000 χ^2/NDF: 7071235.8/20

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

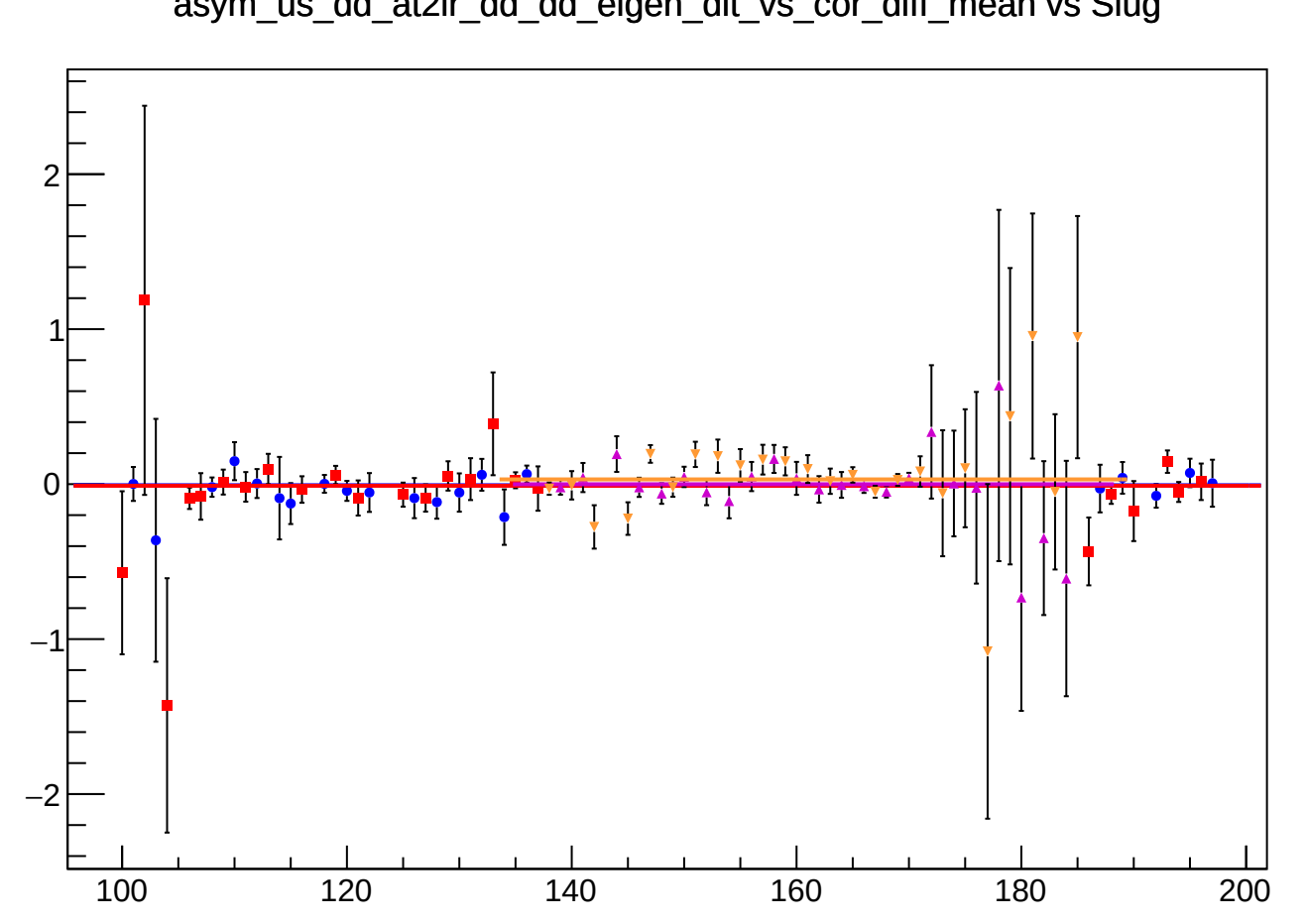
Right Out: 0.003+/-0.000 χ^2/NDF: 10341887.2/23

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 17118475.5/44

All: 0.004+/-0.000 χ^2/NDF: 38474957.3/91

- sign 0.004+/-0.000 χ^2/NDF: 21220026.1/46



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/20

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

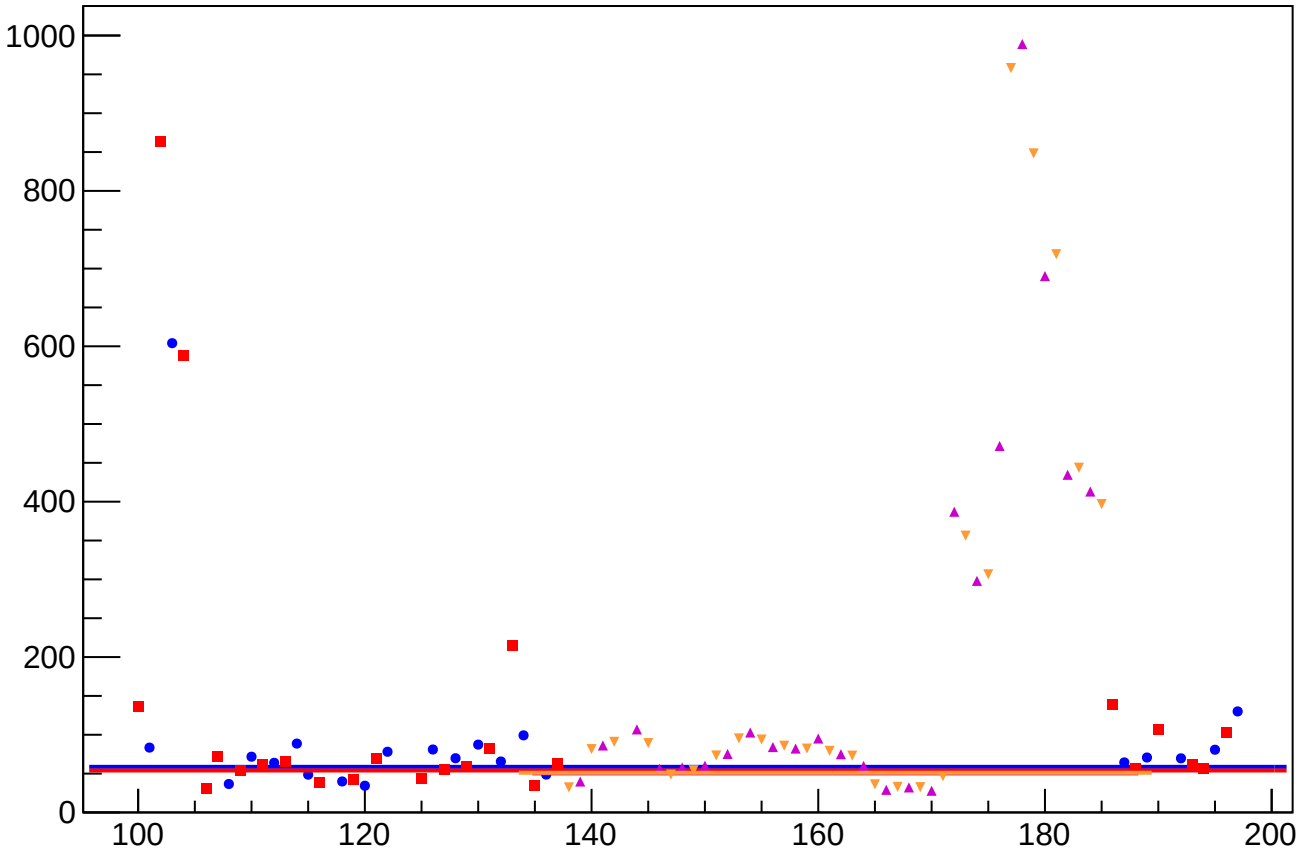
Right Out: -0.010+/-0.019 χ^2/NDF: 24.1/23

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/44

All: 0.006+/-0.009 χ^2/NDF: 95.7/91

- sign -0.005+/-0.012 χ^2/NDF: 40.3/46



Right In: 58.721+/-0.015 χ^2/NDF: 2928590.2/20

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

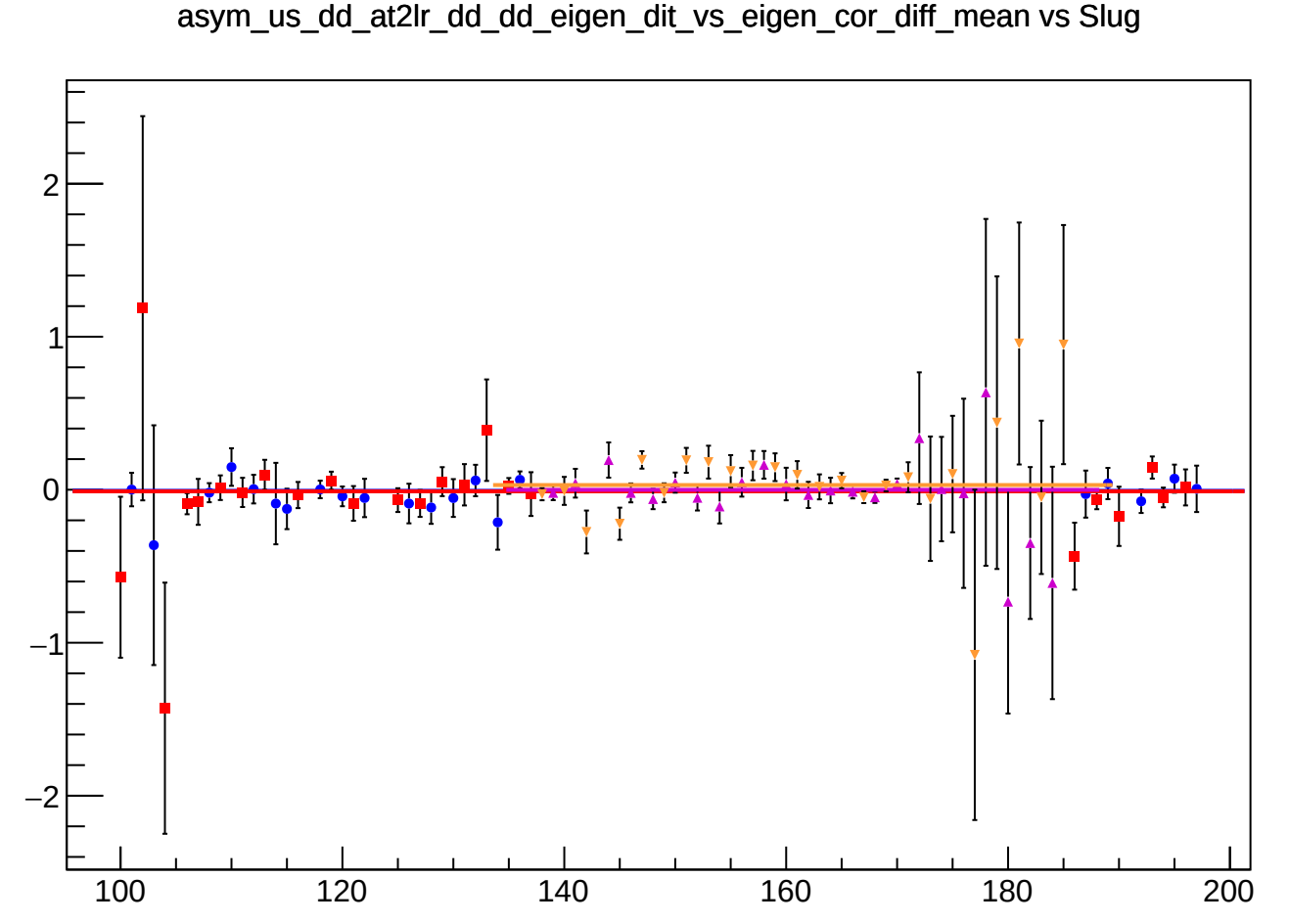
Right Out: 54.032+/-0.013 χ^2/NDF: 3922916.0/23

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 53.828+/-0.009 χ^2/NDF: 14839530.9/44

All: 52.746+/-0.006 χ^2/NDF: 31036299.1/91

\- sign 51.759+/-0.008 χ^2/NDF: 16167570.8/46



Right In: -0.007+/-0.021 χ^2/NDF: 10.1/20

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

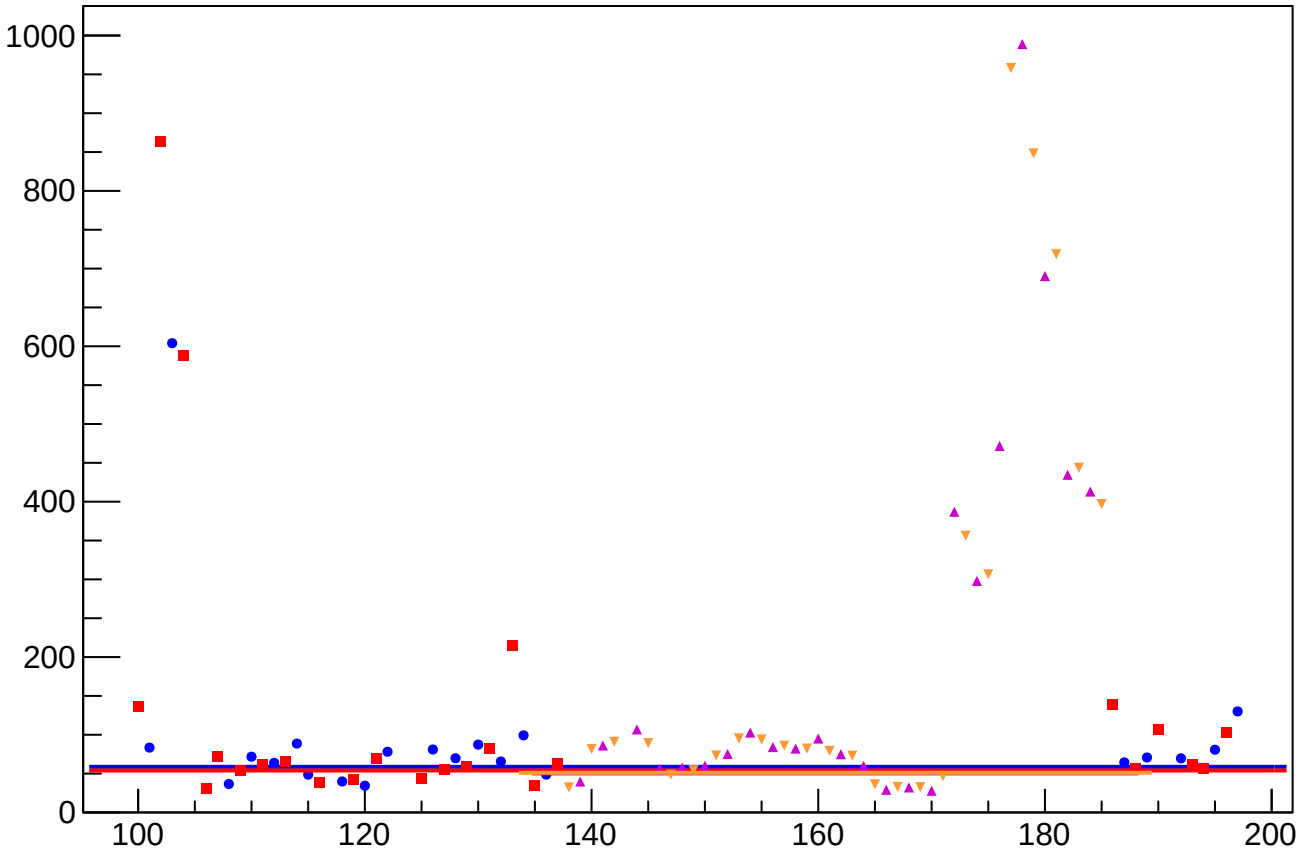
Right Out: -0.010+/-0.019 χ^2/NDF: 24.1/23

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.012 χ^2/NDF: 53.8/44

All: 0.006+/-0.009 χ^2/NDF: 95.7/91

- sign -0.005+/-0.012 χ^2/NDF: 40.3/46



Right In: 58.721+/-0.015 χ^2/NDF: 2928590.2/20

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

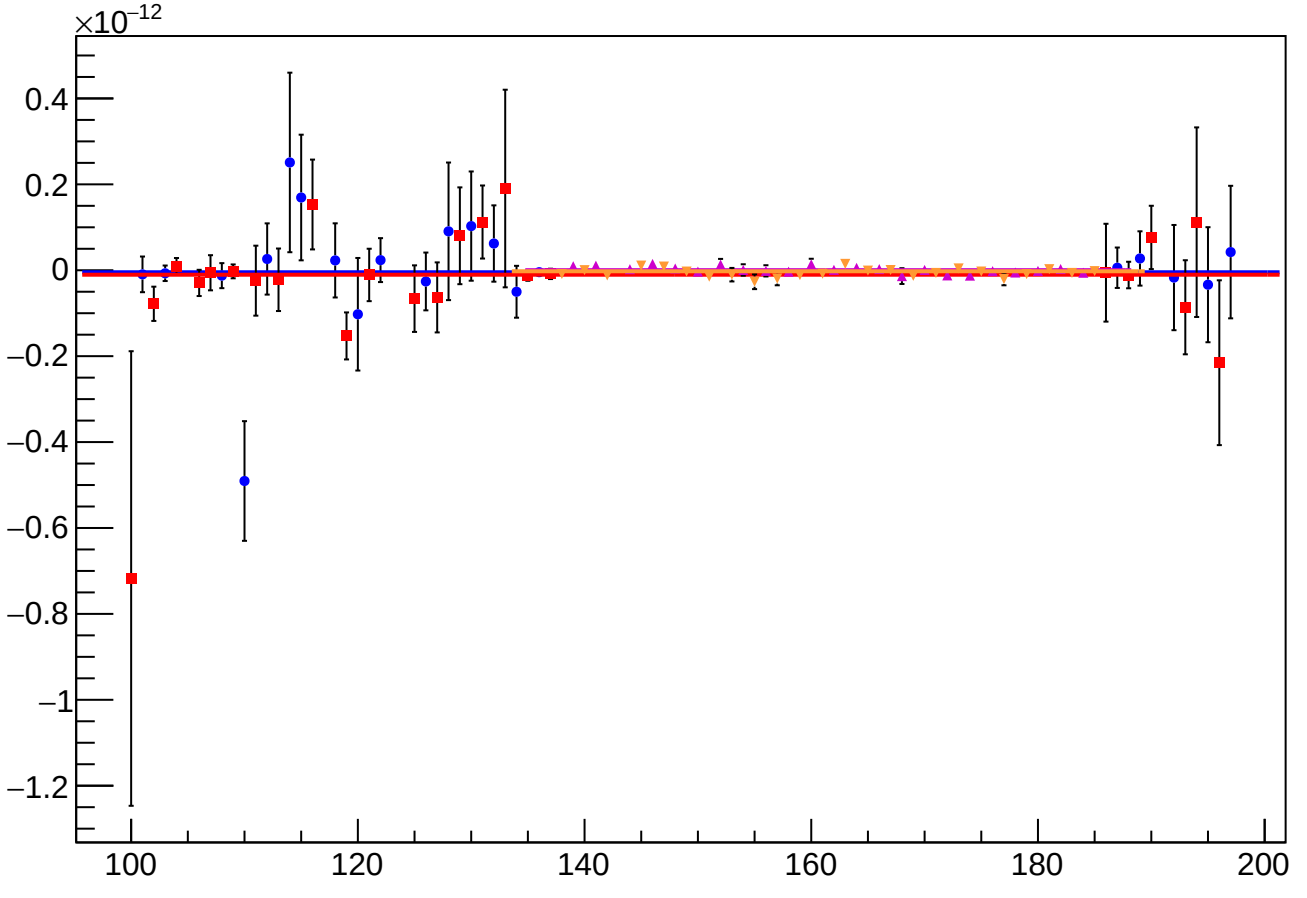
Right Out: 54.032+/-0.013 χ^2/NDF: 3922916.0/23

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 53.828+/-0.009 χ^2/NDF: 14839530.9/44

All: 52.746+/-0.006 χ^2/NDF: 31036299.1/91

\- sign 51.759+/-0.008 χ^2/NDF: 16167570.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

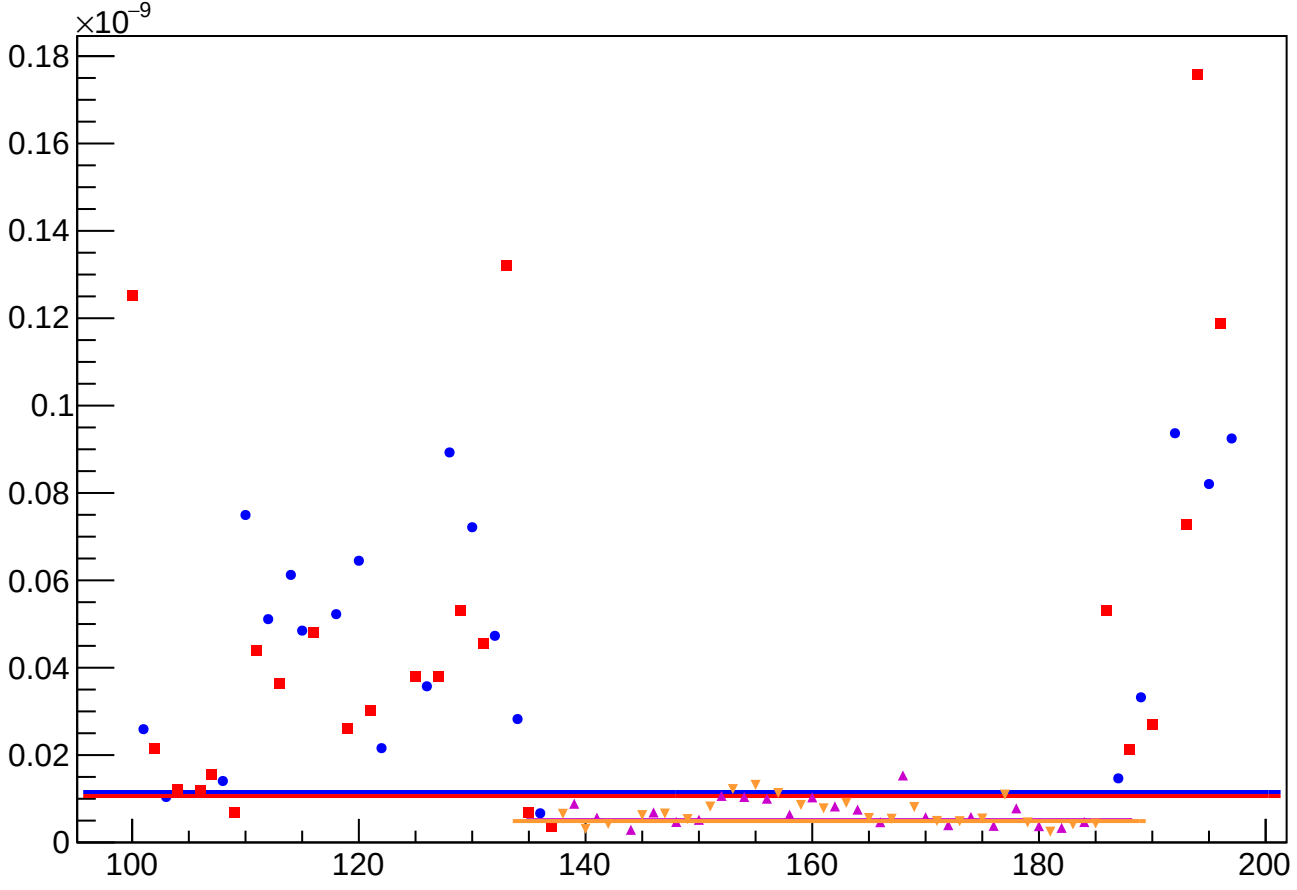
Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/23

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.4/44

All: -0.000+/-0.000 χ^2/NDF: 86.6/91

- sign -0.000+/-0.000 χ^2/NDF: 44.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 6841018.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7110809.6/23

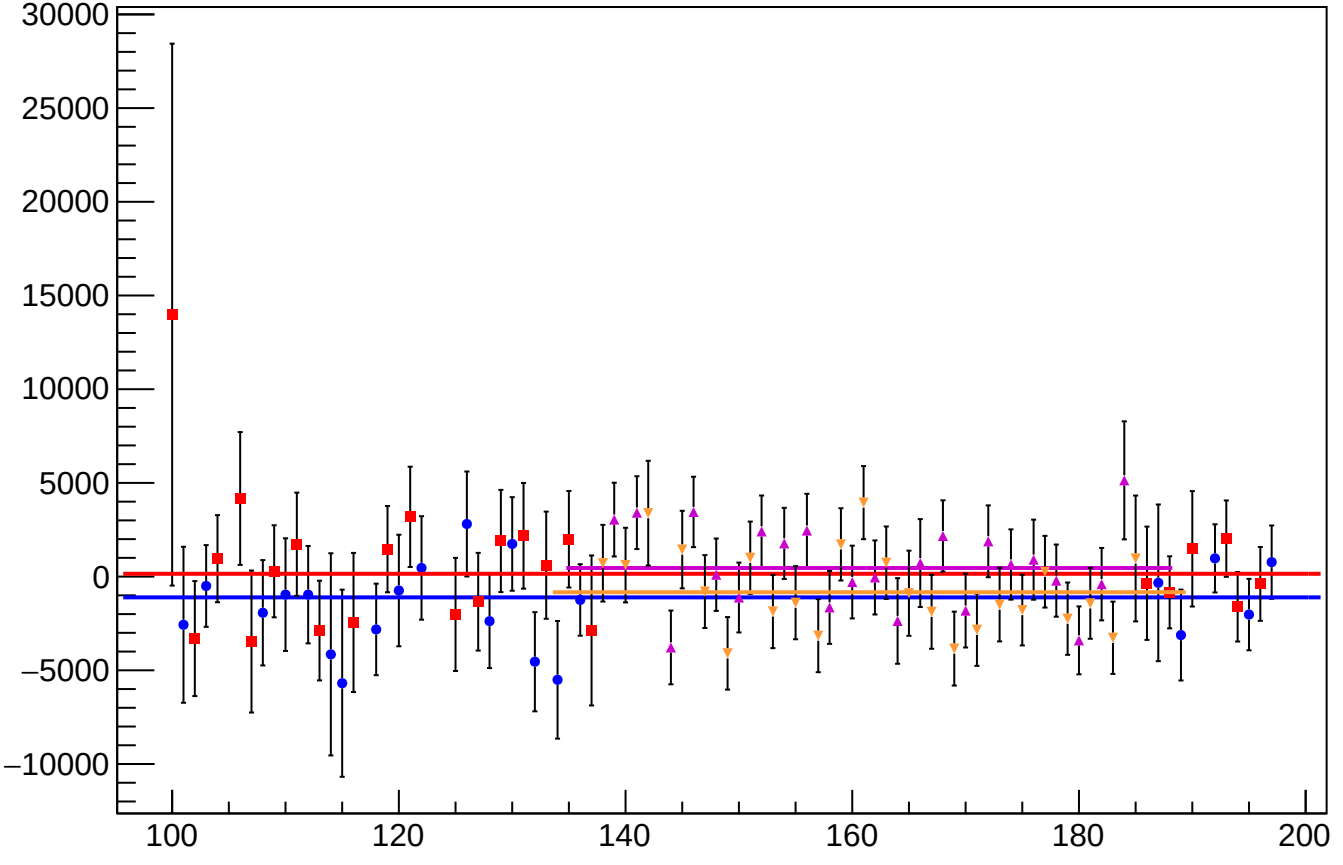
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13027299.3/44

All: 0.000+/-0.000 χ^2/NDF: 25395596.0/91

- sign 0.000+/-0.000 χ^2/NDF: 12348548.6/46

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1108.100+/-561.415 χ^2/NDF: 12.6/20

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 150.587+/-541.305 χ^2/NDF: 13.4/23

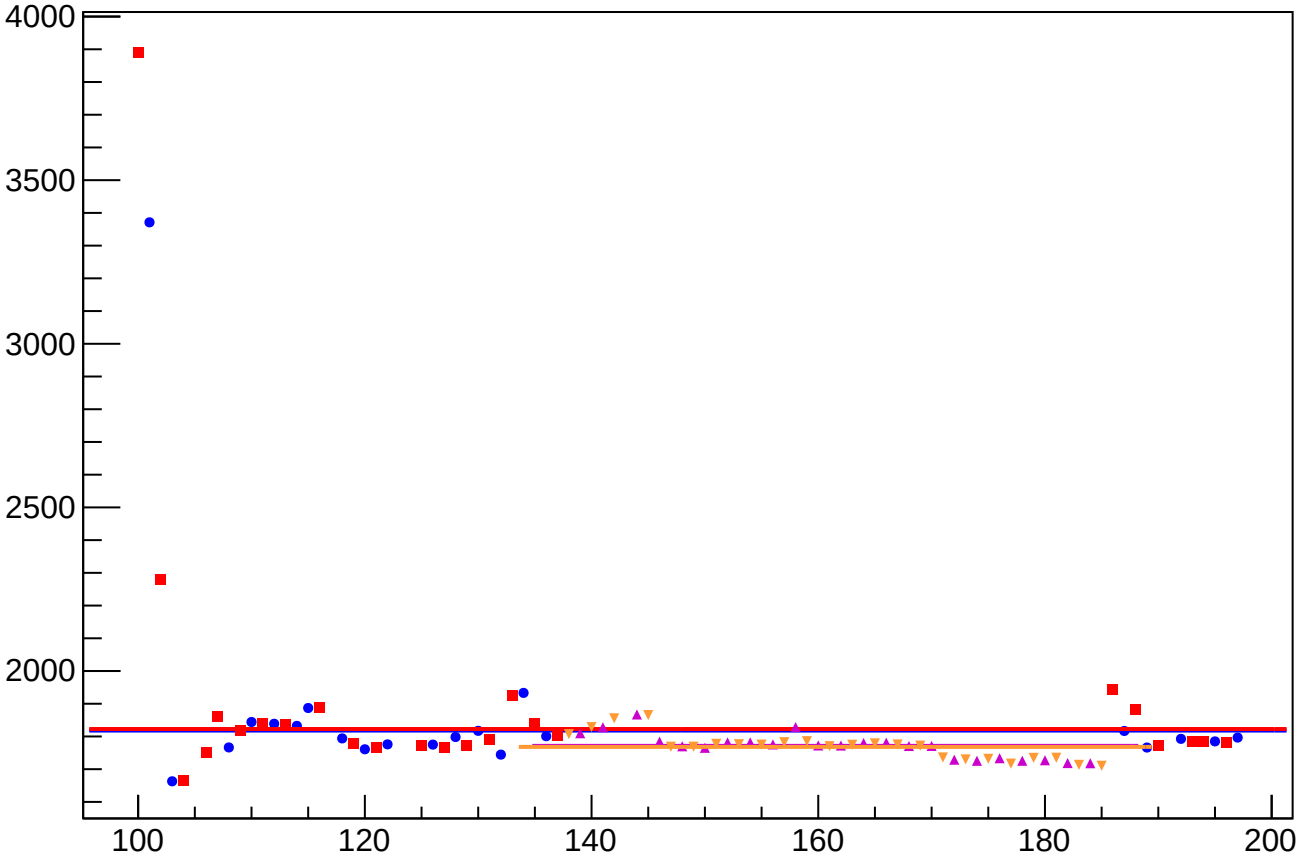
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -928.551+/-331.340 χ^2/NDF: 38.2/44

All: -286.271+/-233.341 χ^2/NDF: 86.6/91

- sign 345.677+/-328.665 χ^2/NDF: 40.9/46

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1818.072+/-0.397 χ^2/NDF: 298525.7/20

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

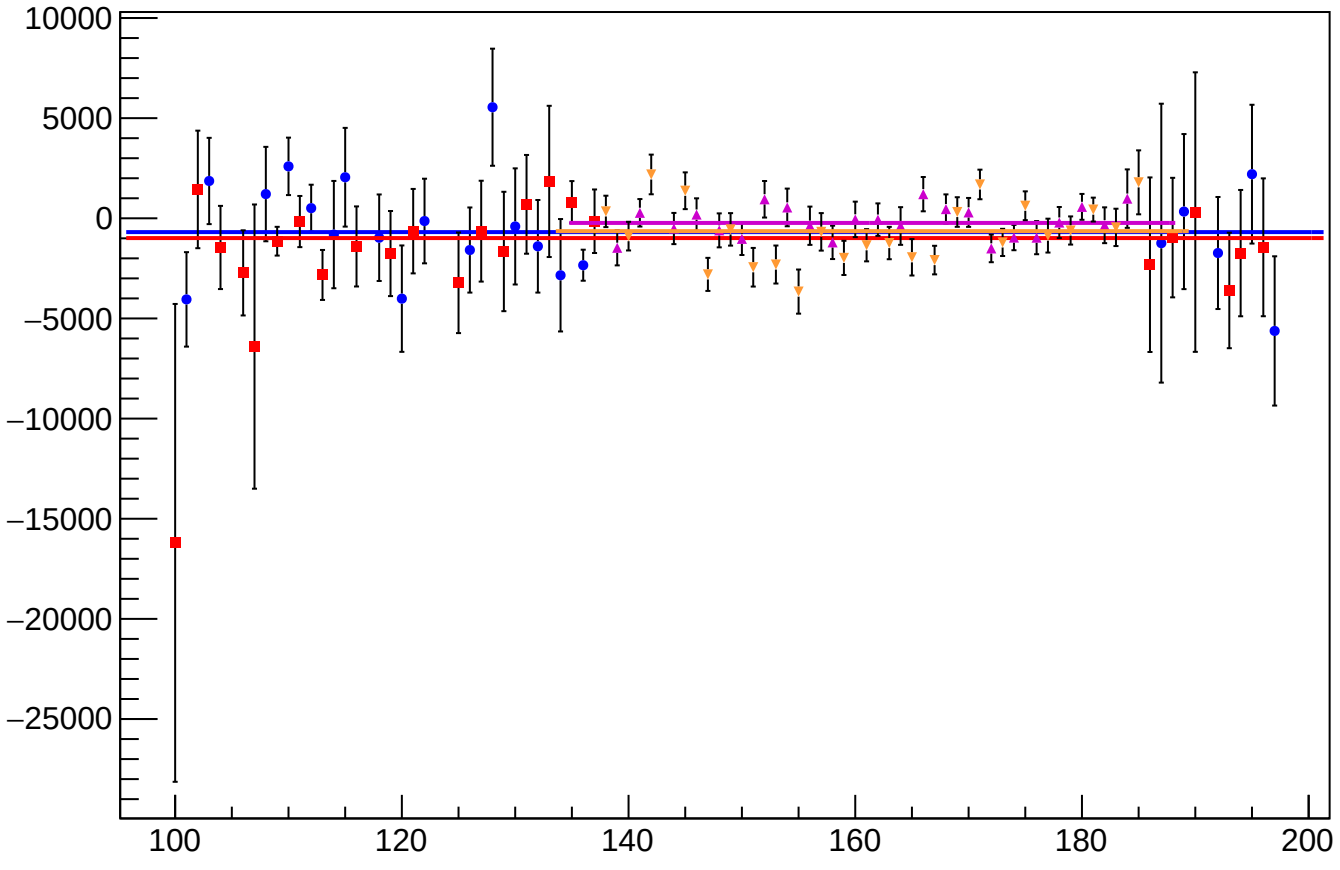
Right Out: 1822.734+/-0.383 χ^2/NDF: 111236.7/23

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.523+/-0.234 χ^2/NDF: 325199.9/44

All: 1787.885+/-0.165 χ^2/NDF: 464500.8/91

- sign 1790.209+/-0.232 χ^2/NDF: 139099.3/46



Right In: -689.225+/-426.945 χ^2/NDF: 25.9/20

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: -987.392+/-379.279 χ^2/NDF: 12.6/23

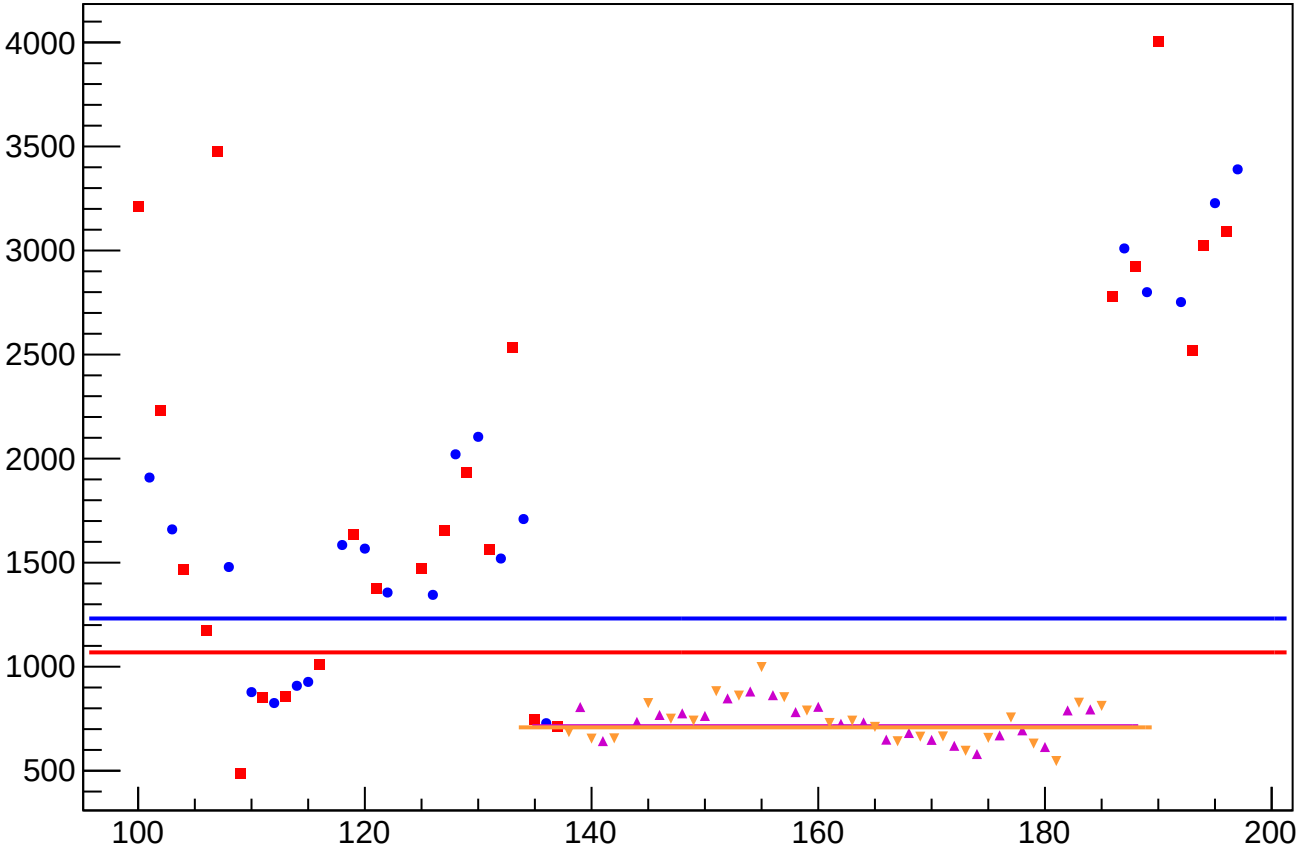
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -647.388+/-155.080 χ^2/NDF: 92.6/44

All: -500.113+/-109.221 χ^2/NDF: 130.2/91

- sign -355.167+/-153.850 χ^2/NDF: 35.9/46

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1231.682+/-0.302 χ^2/NDF: 4431334.3/20

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1068.742+/-0.268 χ^2/NDF: 6705064.9/23

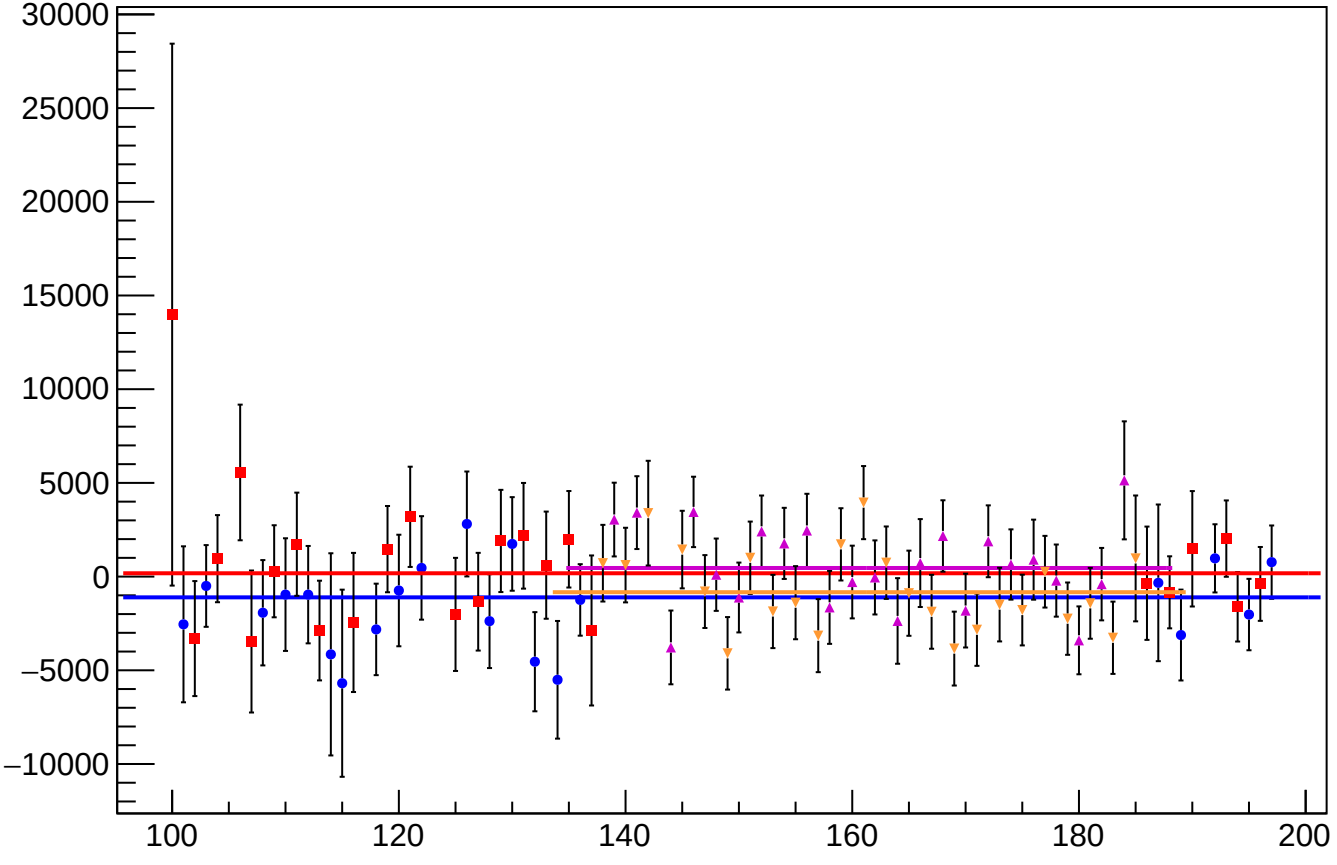
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 777.530+/-0.110 χ^2/NDF: 7738790.7/44

All: 774.997+/-0.077 χ^2/NDF: 16402540.0/91

- sign 772.505+/-0.109 χ^2/NDF: 8662691.0/46

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1107.705+/-561.415 χ^2/NDF: 12.6/20

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 177.759+/-541.563 χ^2/NDF: 14.4/23

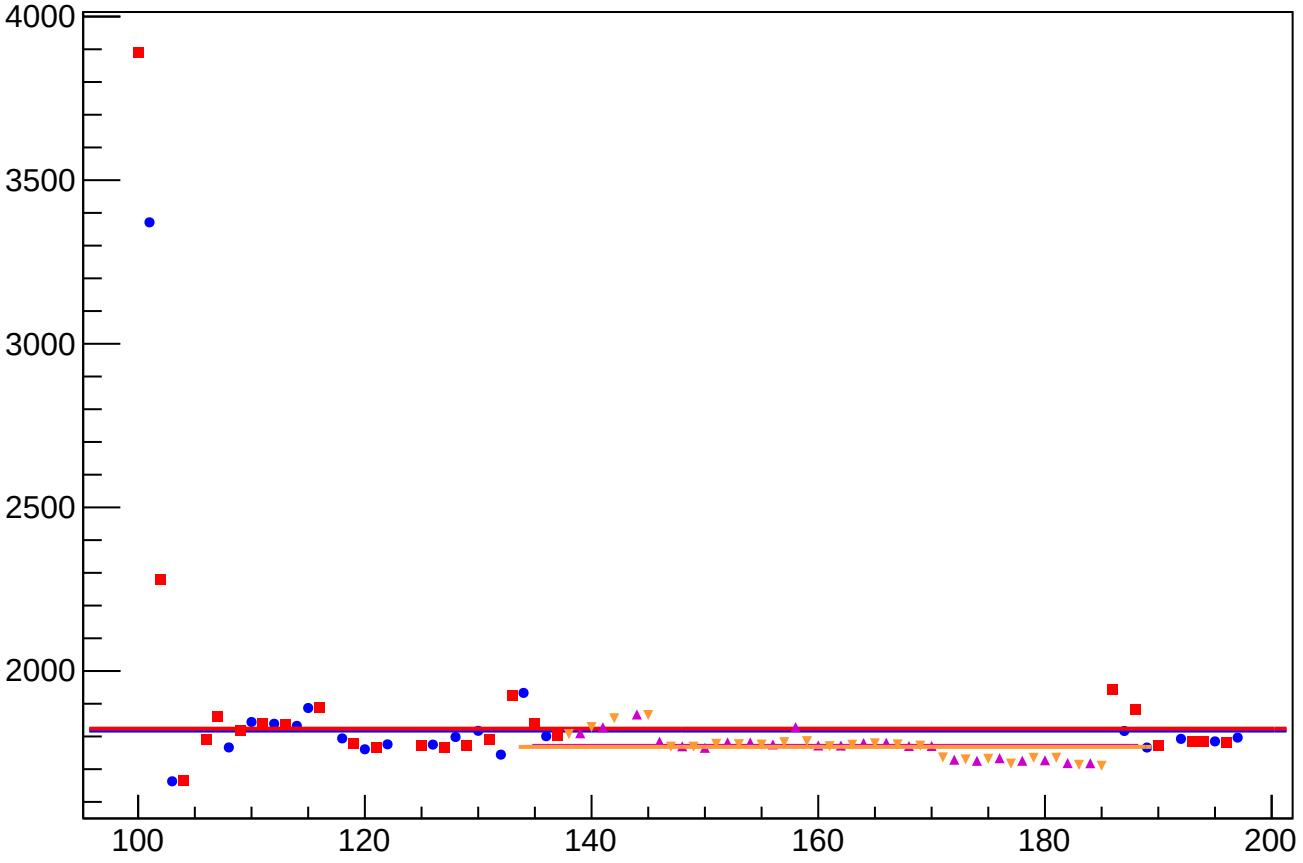
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -928.344+/-331.340 χ^2/NDF: 38.2/44

All: -281.213+/-233.362 χ^2/NDF: 87.6/91

- sign 355.731+/-328.722 χ^2/NDF: 41.8/46

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1818.072+/-0.397 χ^2/NDF: 298527.5/20

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

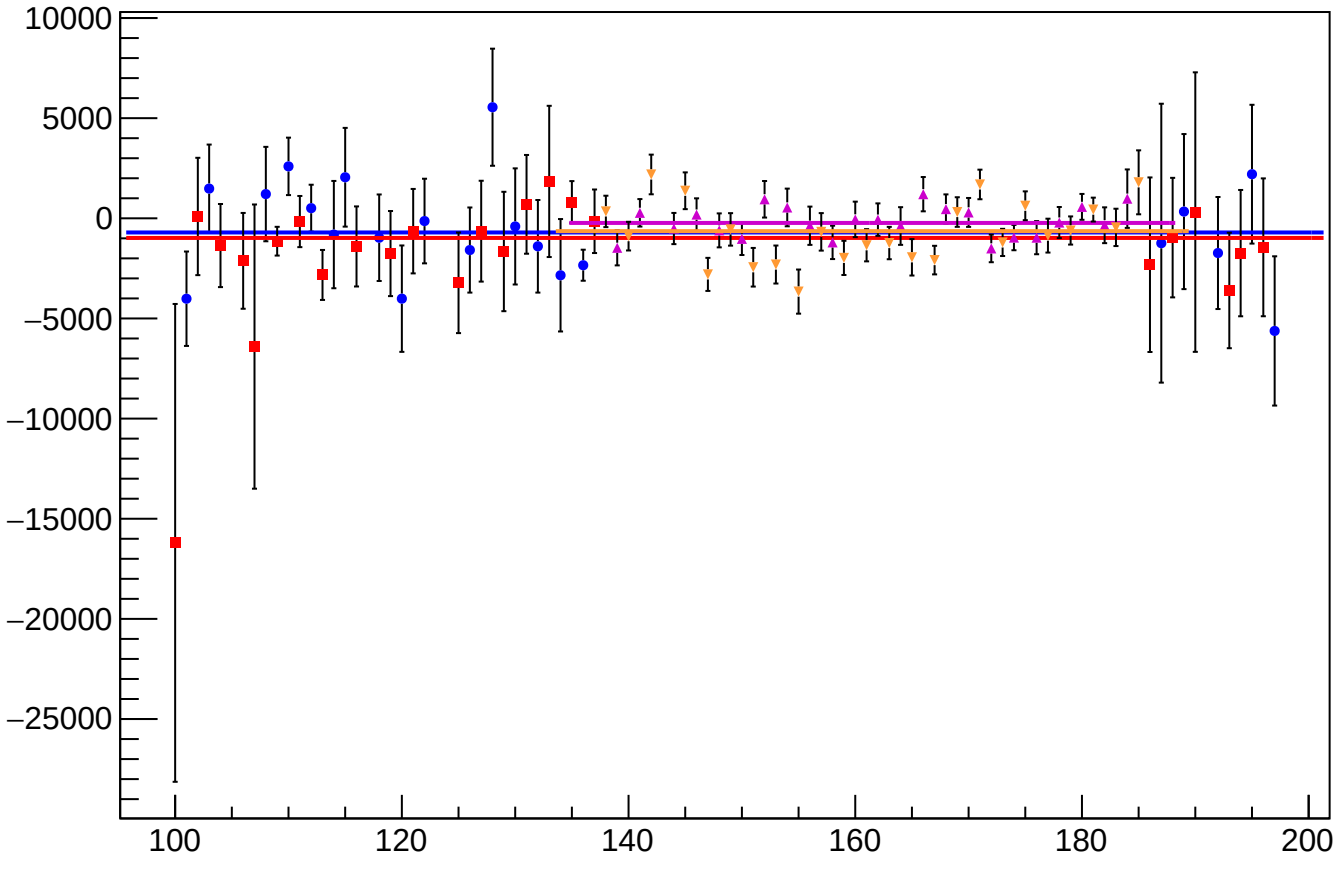
Right Out: 1823.718+/-0.383 χ^2/NDF: 110551.1/23

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.523+/-0.234 χ^2/NDF: 325201.7/44

All: 1788.062+/-0.165 χ^2/NDF: 464282.4/91

- sign 1790.561+/-0.232 χ^2/NDF: 138847.7/46



Right In: -706.616+/-427.279 χ^2/NDF: 25.4/20

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

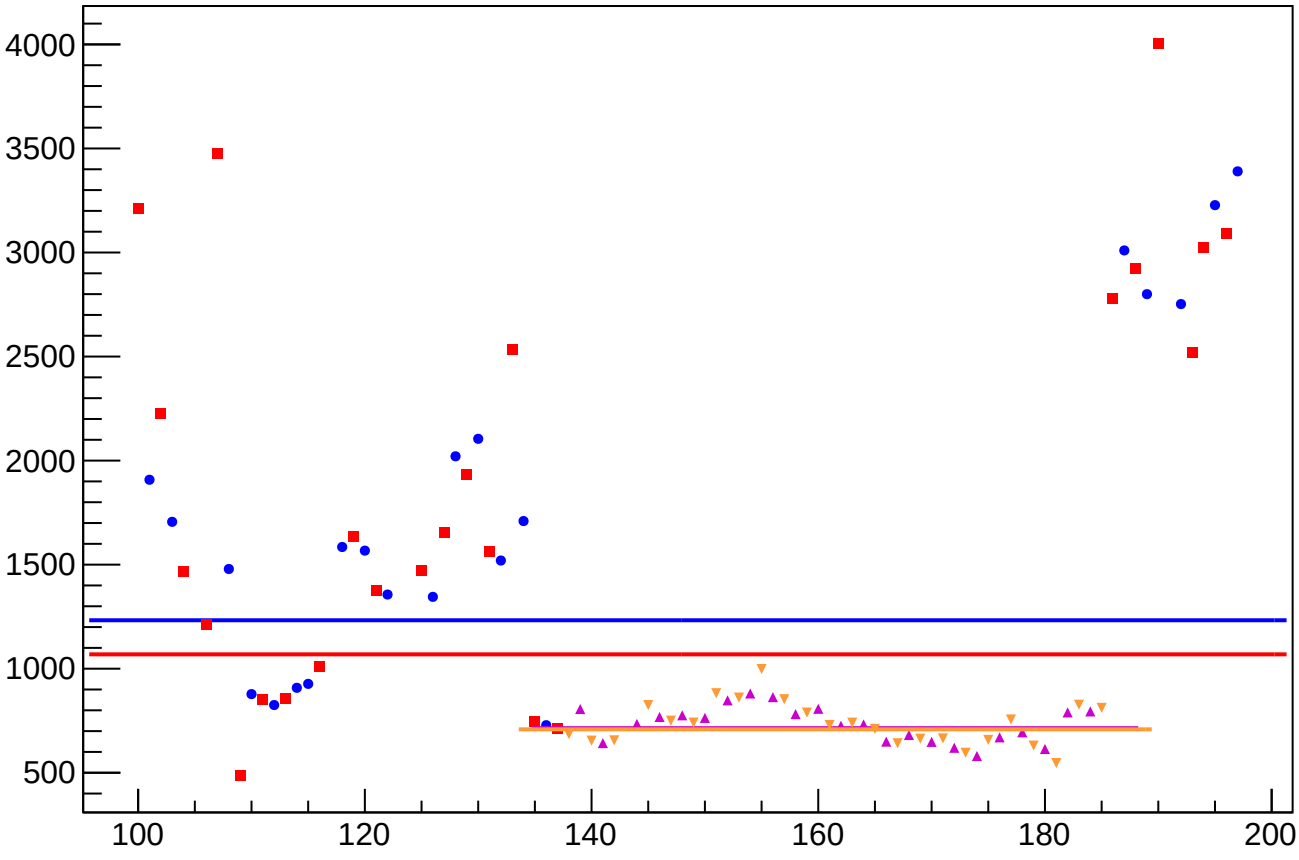
Right Out: -979.666+/-380.527 χ^2/NDF: 11.6/23

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -649.649+/-155.097 χ^2/NDF: 92.1/44

All: -500.286+/-109.257 χ^2/NDF: 128.7/91

- sign -353.155+/-153.933 χ^2/NDF: 34.8/46



Right In: 1232.740+/-0.302 χ^2/NDF: 4444939.8/20

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

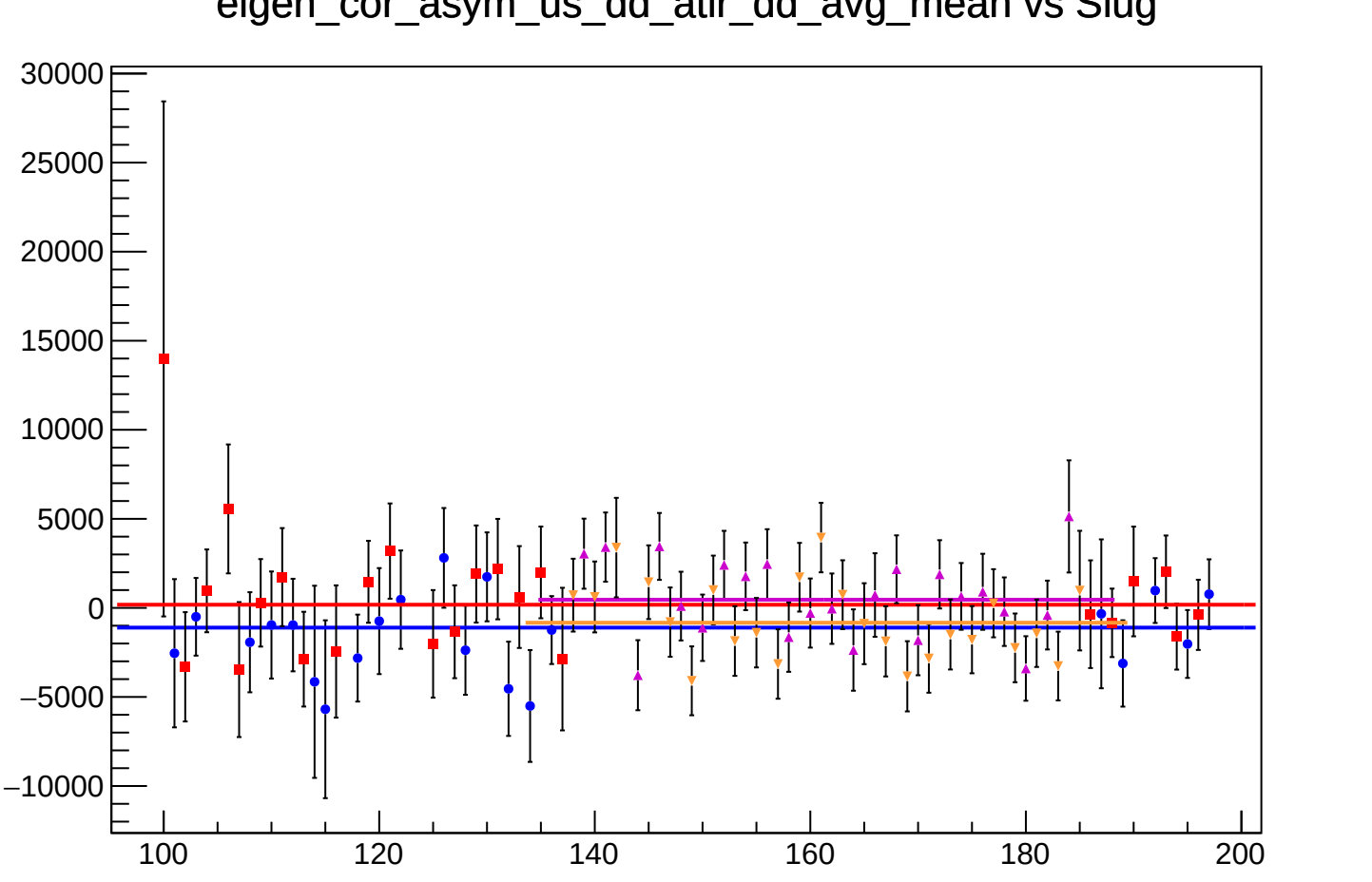
Right Out: 1068.985+/-0.269 χ^2/NDF: 6706192.5/23

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 777.582+/-0.110 χ^2/NDF: 7759317.3/44

All: 774.886+/-0.077 χ^2/NDF: 16418280.6/91

- sign 772.231+/-0.109 χ^2/NDF: 8657764.2/46



Right In: -1107.705+/-561.415 χ^2/NDF: 12.6/20

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 177.759+/-541.563 χ^2/NDF: 14.4/23

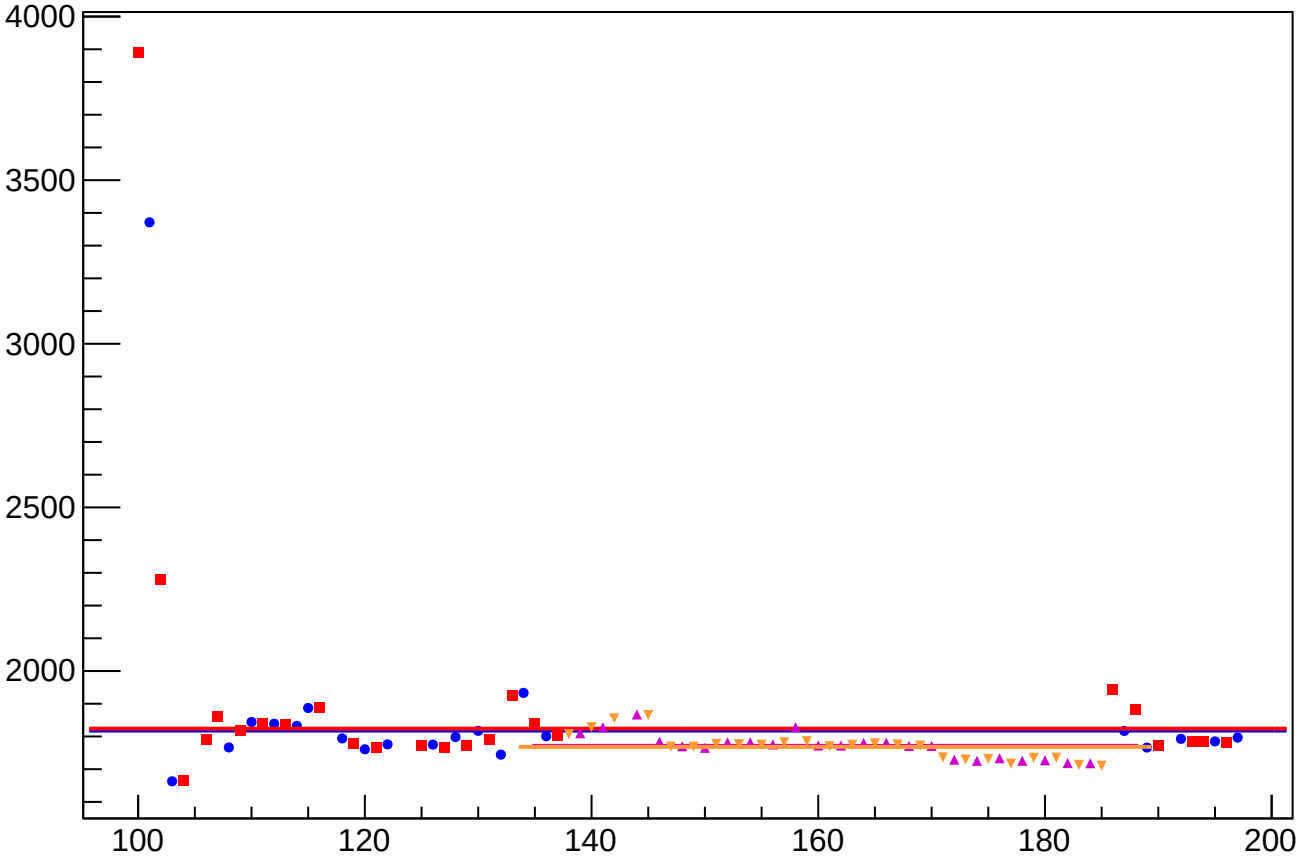
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -928.344+/-331.340 χ^2/NDF: 38.2/44

All: -281.213+/-233.362 χ^2/NDF: 87.6/91

- sign 355.731+/-328.722 χ^2/NDF: 41.8/46

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1818.072+/-0.397 χ^2/NDF: 298527.5/20

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

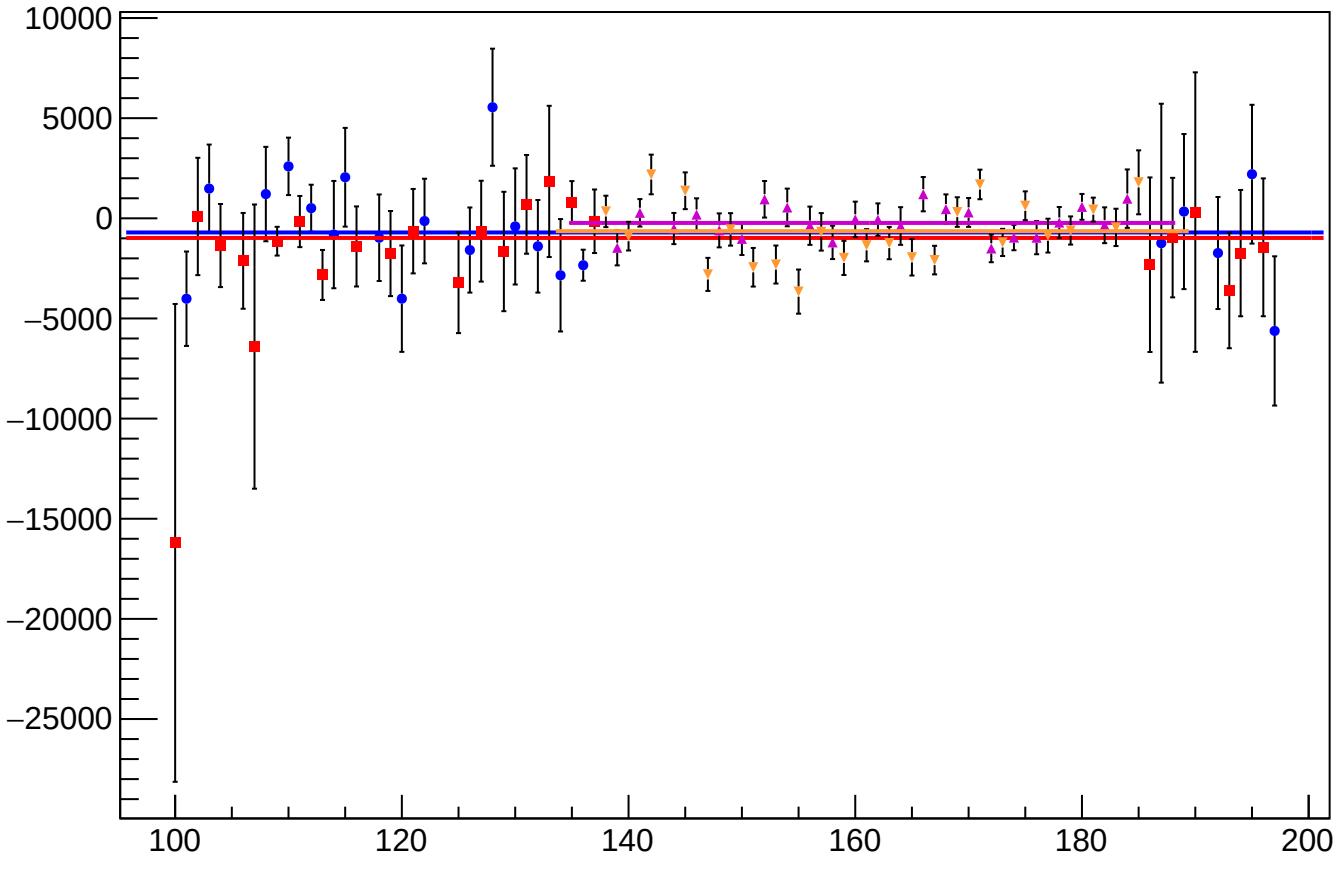
Right Out: 1823.718+/-0.383 χ^2/NDF: 110551.1/23

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.523+/-0.234 χ^2/NDF: 325201.7/44

All: 1788.062+/-0.165 χ^2/NDF: 464282.4/91

- sign 1790.561+/-0.232 χ^2/NDF: 138847.7/46



Right In: -706.616+/-427.279 χ^2/NDF: 25.4/20

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

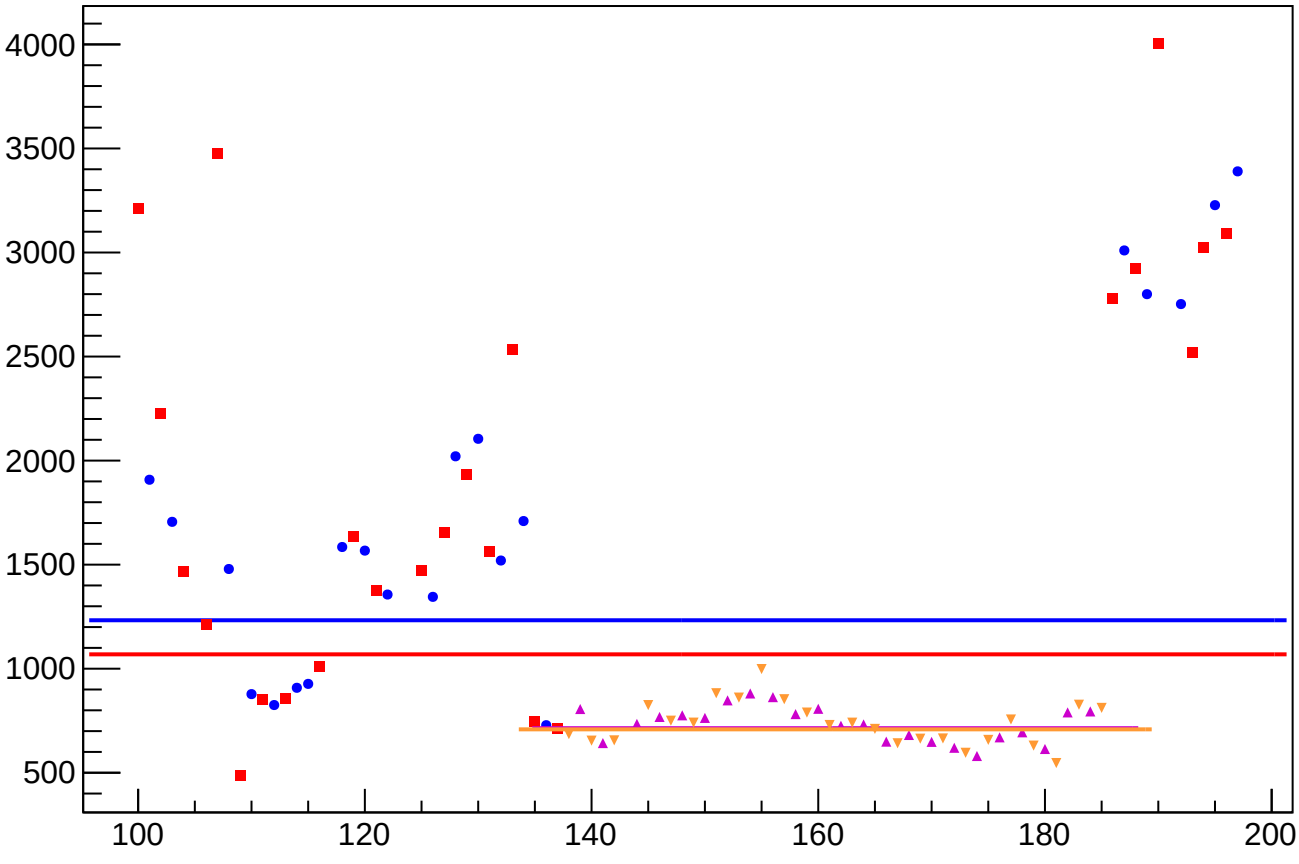
Right Out: -979.666+/-380.527 χ^2/NDF: 11.6/23

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -649.649+/-155.097 χ^2/NDF: 92.1/44

All: -500.286+/-109.257 χ^2/NDF: 128.7/91

- sign -353.155+/-153.933 χ^2/NDF: 34.8/46



Right In: 1232.740+/-0.302 χ^2/NDF: 4444939.8/20

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1068.985+/-0.269 χ^2/NDF: 6706192.5/23

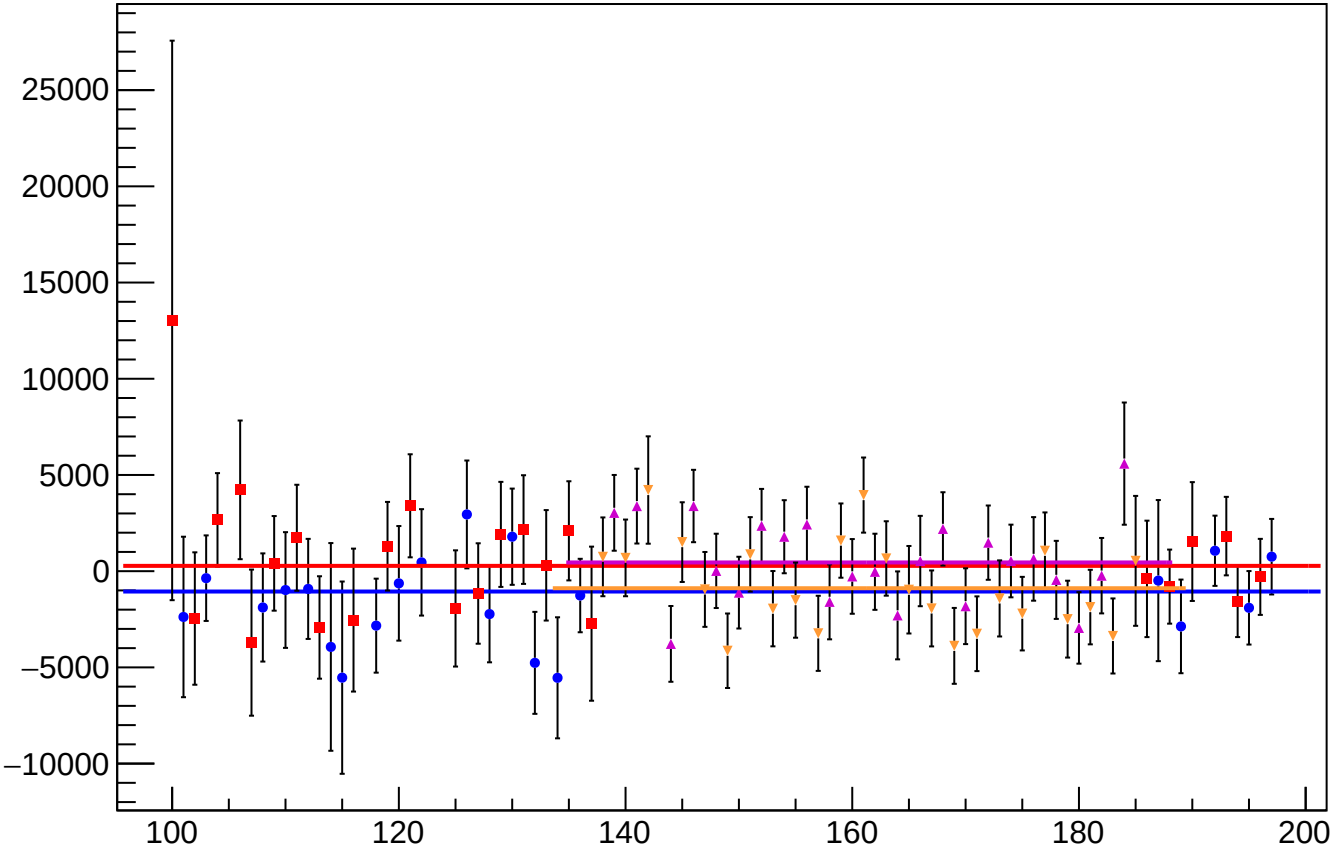
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 777.582+/-0.110 χ^2/NDF: 7759317.3/44

All: 774.886+/-0.077 χ^2/NDF: 16418280.6/91

- sign 772.231+/-0.109 χ^2/NDF: 8657764.2/46

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1057.555+/-563.018 χ^2/NDF: 12.8/20

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 275.771+/-545.145 χ^2/NDF: 13.4/23

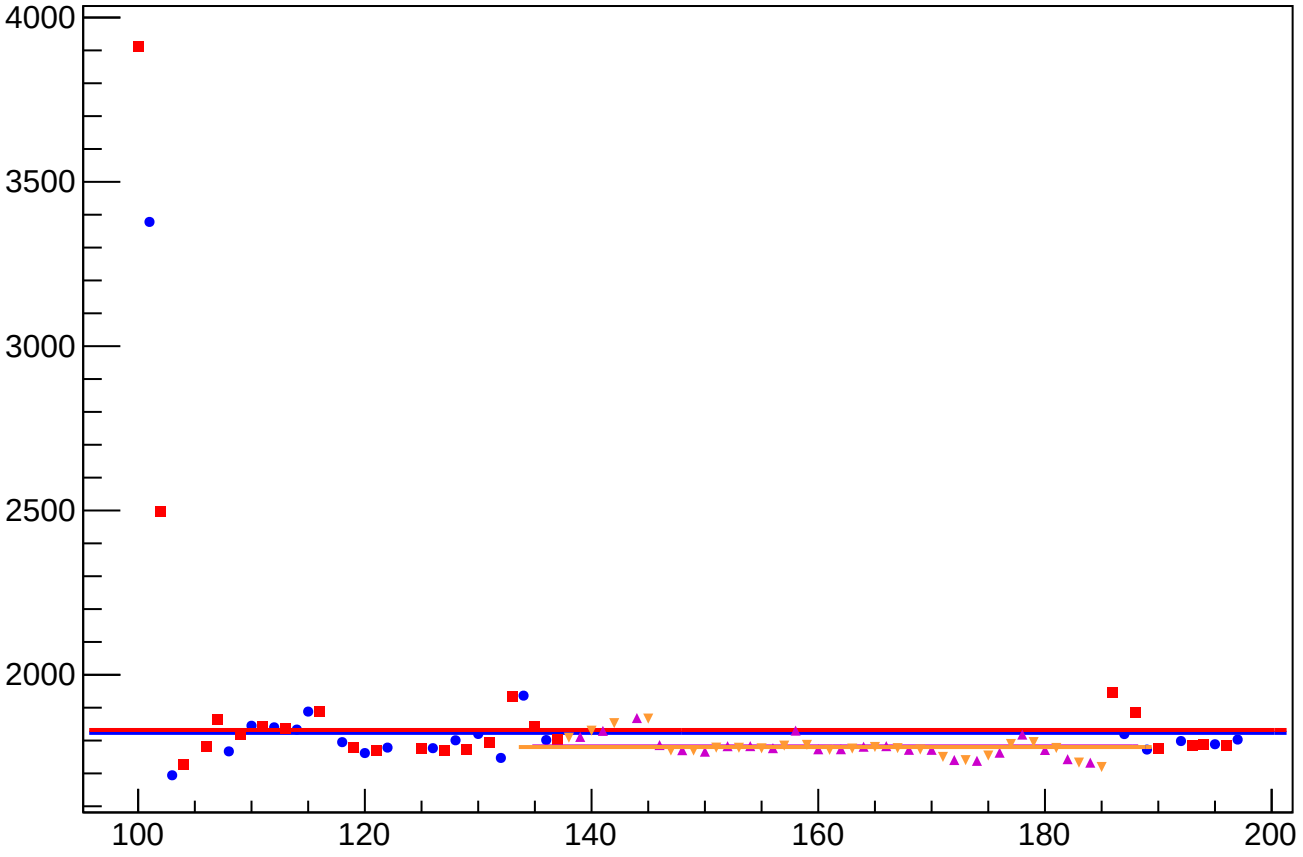
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -946.290+/-333.130 χ^2/NDF: 41.0/44

All: -274.538+/-234.734 χ^2/NDF: 88.3/91

- sign 387.887+/-330.810 χ^2/NDF: 39.3/46

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1823.347+/-0.398 χ^2/NDF: 295019.1/20

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

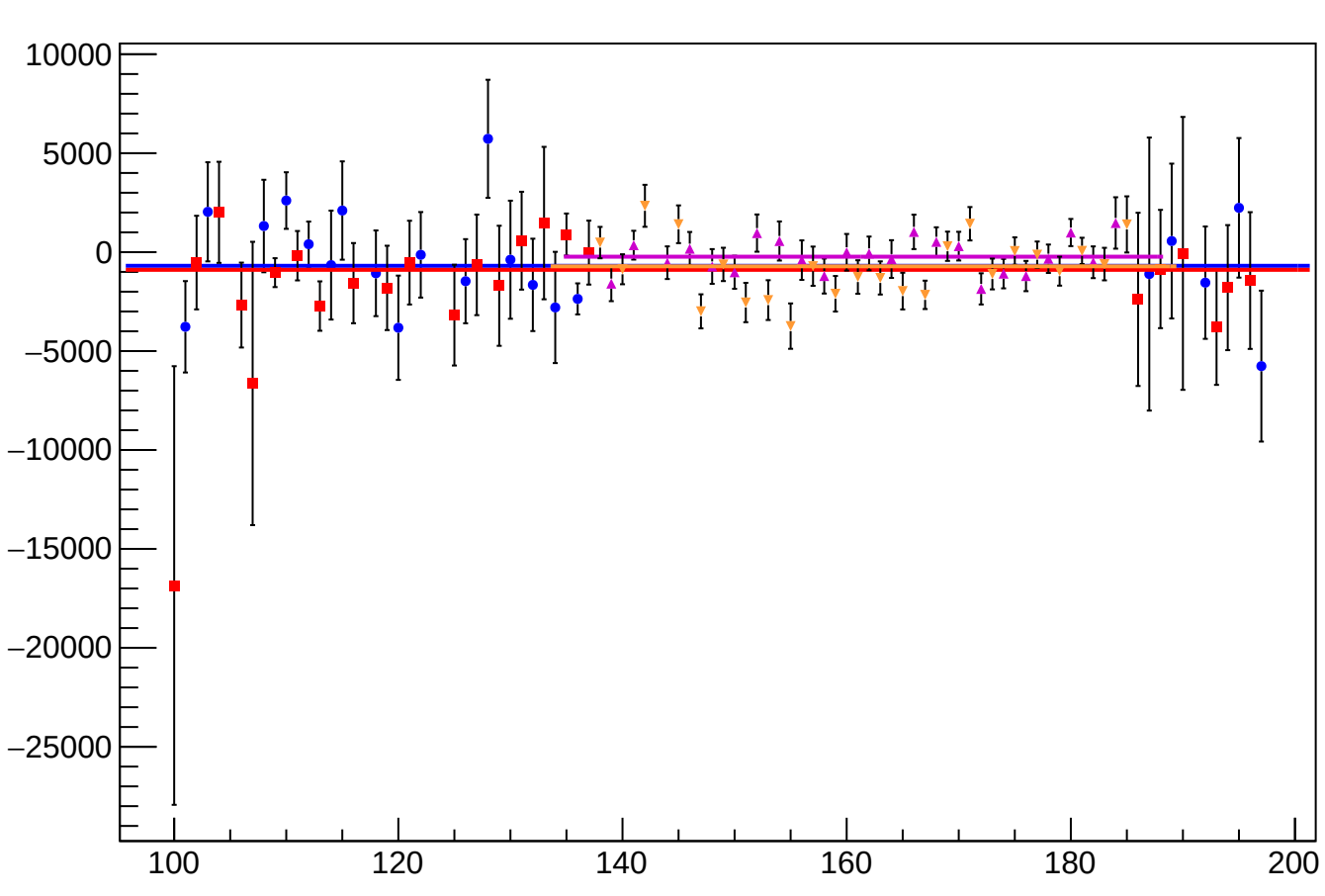
Right Out: 1832.151+/-0.385 χ^2/NDF: 136748.1/23

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.319+/-0.236 χ^2/NDF: 313025.7/44

All: 1798.006+/-0.166 χ^2/NDF: 471831.1/91

- sign 1800.656+/-0.234 χ^2/NDF: 158547.0/46



Right In: -692.453+/-430.768 χ^2/NDF: 25.4/20

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

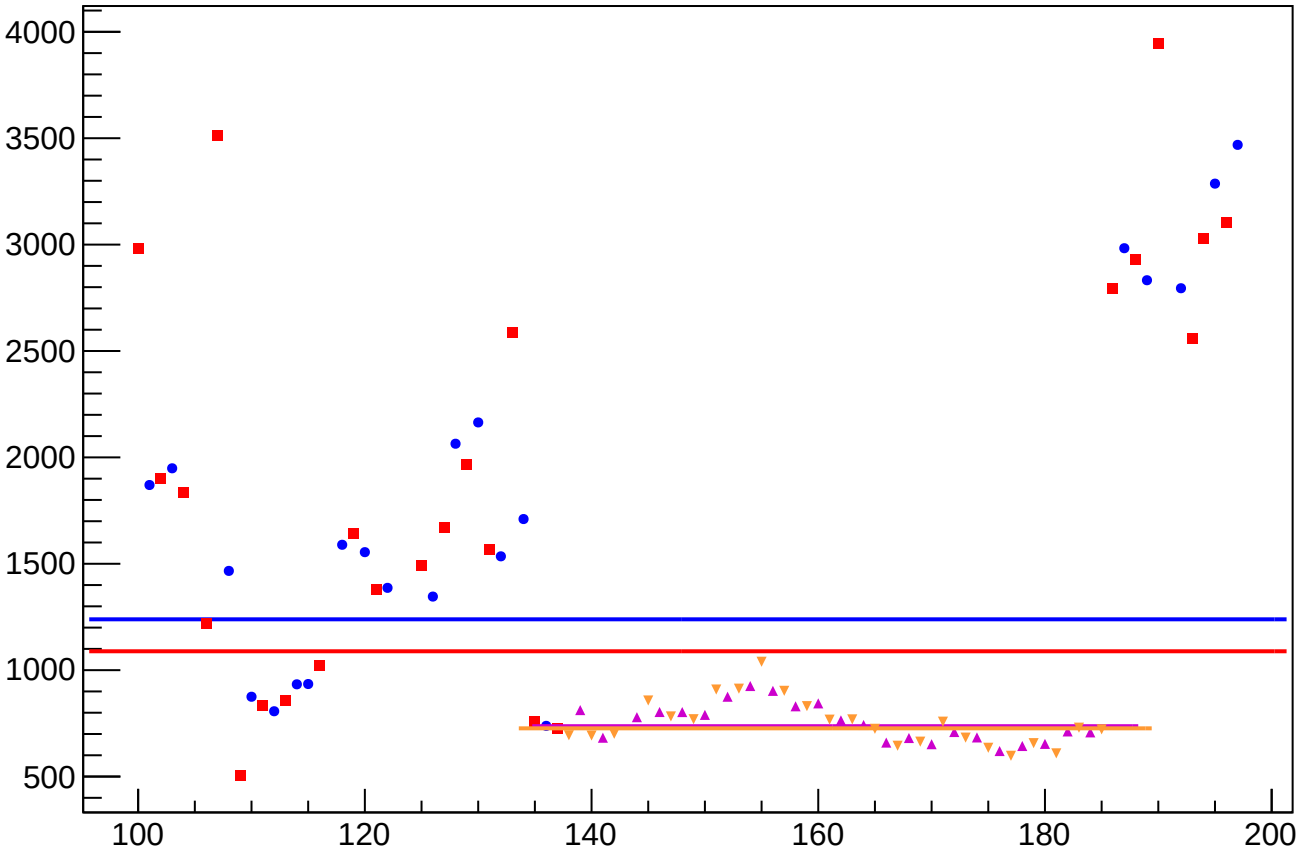
Right Out: -895.553+/-382.787 χ^2/NDF: 13.5/23

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -713.326+/-158.616 χ^2/NDF: 84.8/44

All: -528.145+/-111.932 χ^2/NDF: 127.6/91

- sign -344.454+/-157.977 χ^2/NDF: 40.1/46



Right In: 1238.972+/-0.305 χ^2/NDF: 4561160.1/20

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

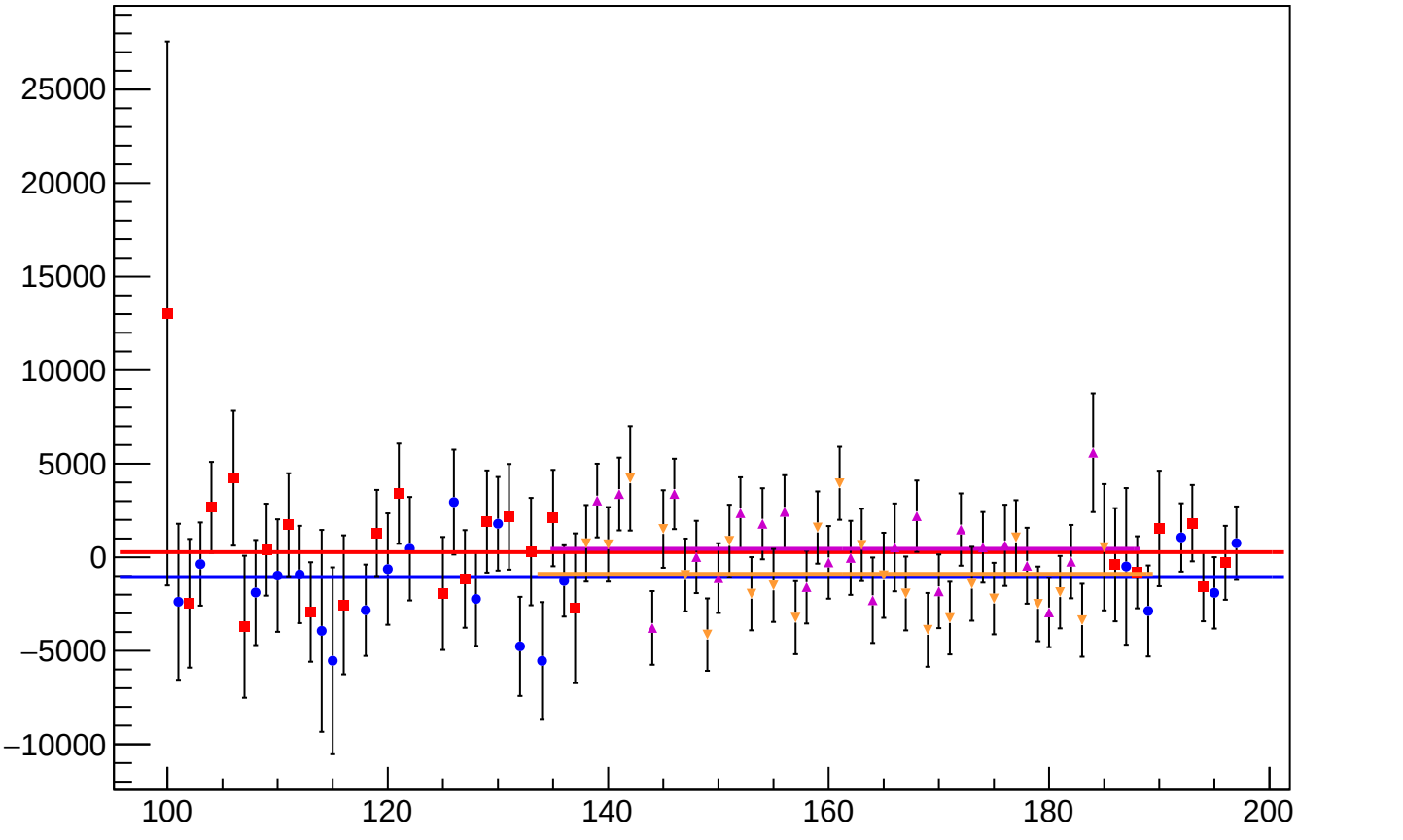
Right Out: 1088.779+/-0.271 χ^2/NDF: 6644933.1/23

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 796.073+/-0.112 χ^2/NDF: 7691789.0/44

All: 796.375+/-0.079 χ^2/NDF: 16205505.3/91

- sign 796.675+/-0.112 χ^2/NDF: 8513701.8/46



Right In: -1057.555+/-563.017 χ^2/NDF: 12.8/20

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 275.771+/-545.145 χ^2/NDF: 13.4/23

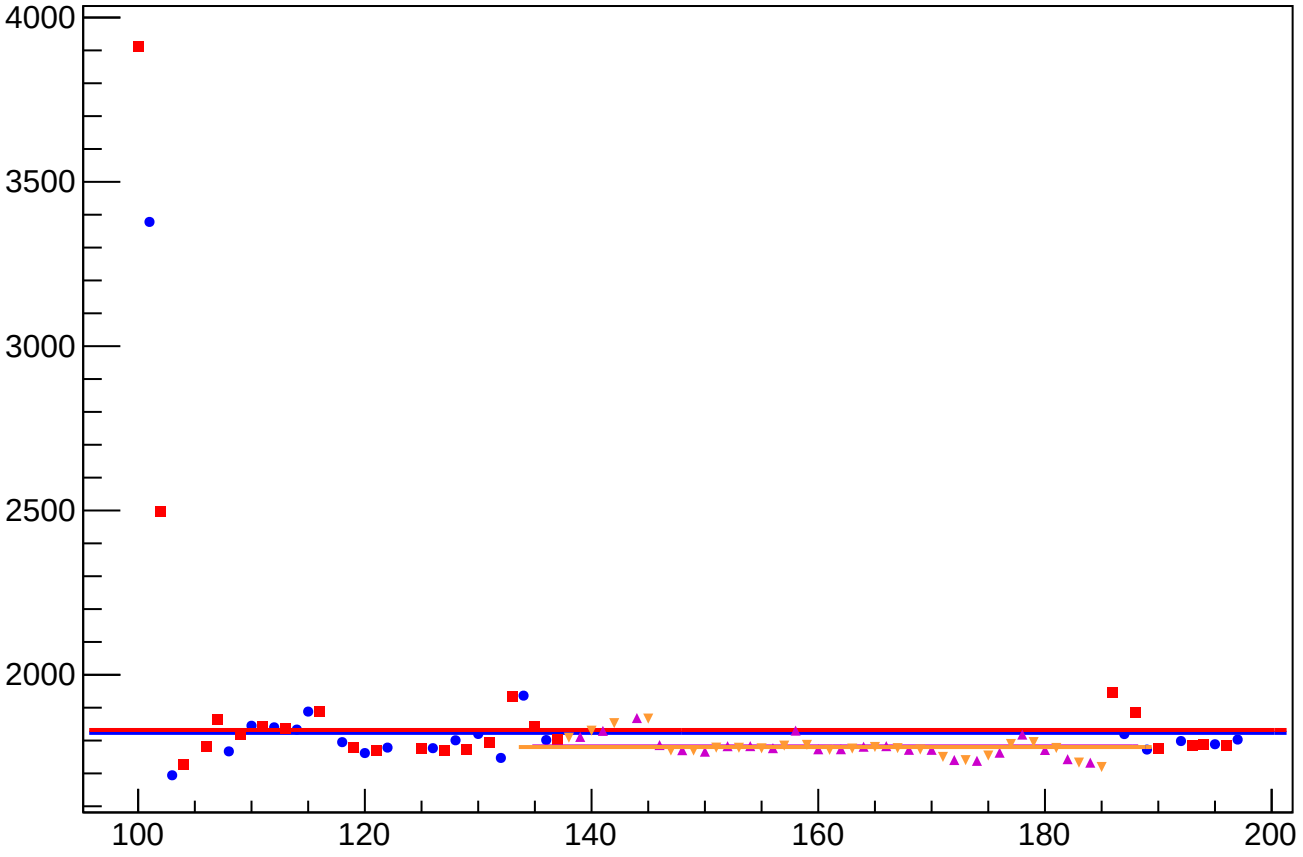
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -946.289+/-333.130 χ^2/NDF: 41.0/44

All: -274.538+/-234.734 χ^2/NDF: 88.3/91

- sign 387.886+/-330.810 χ^2/NDF: 39.3/46

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1823.347+/-0.398 χ^2/NDF: 295019.1/20

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

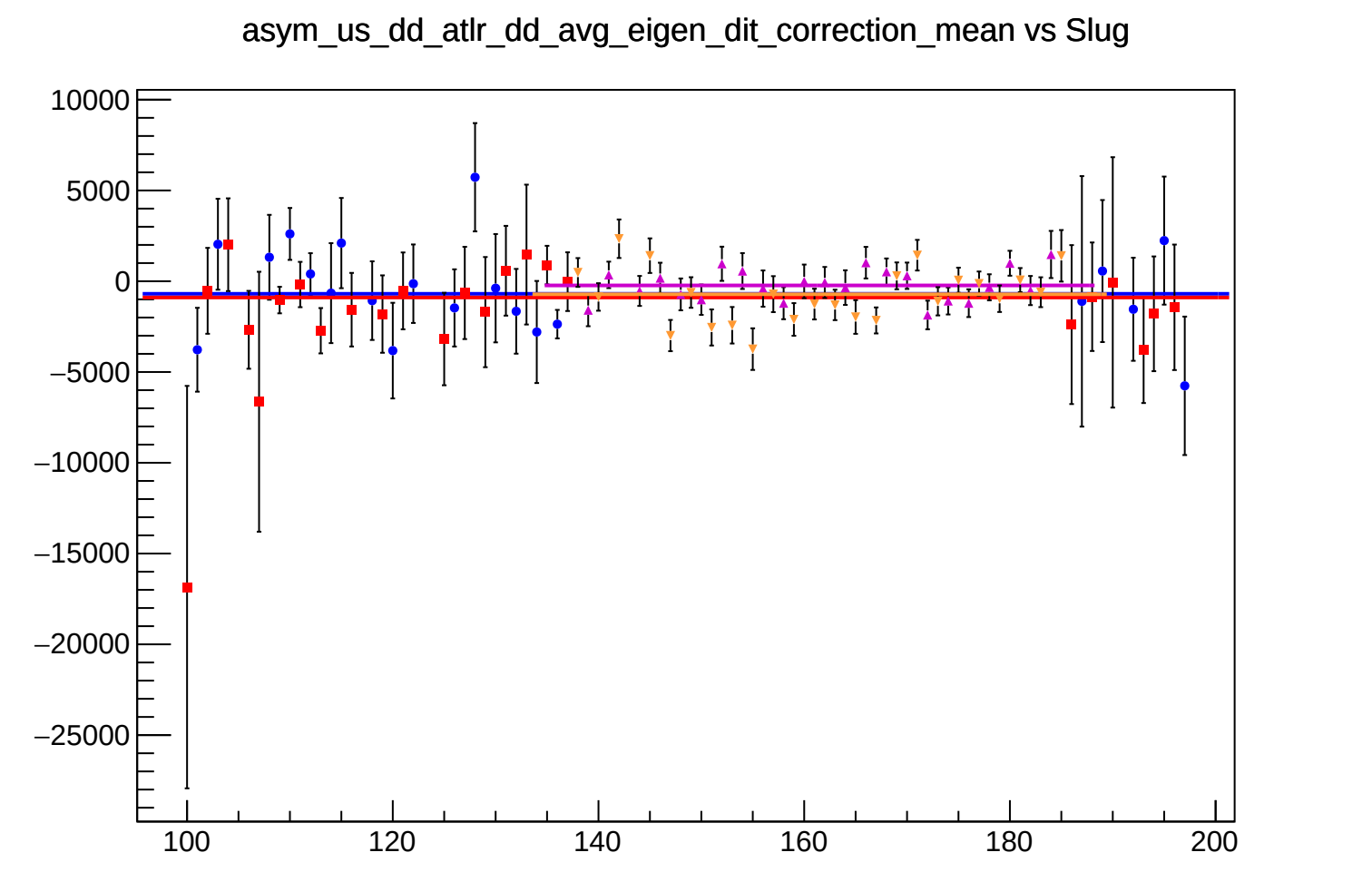
Right Out: 1832.151+/-0.385 χ^2/NDF: 136748.2/23

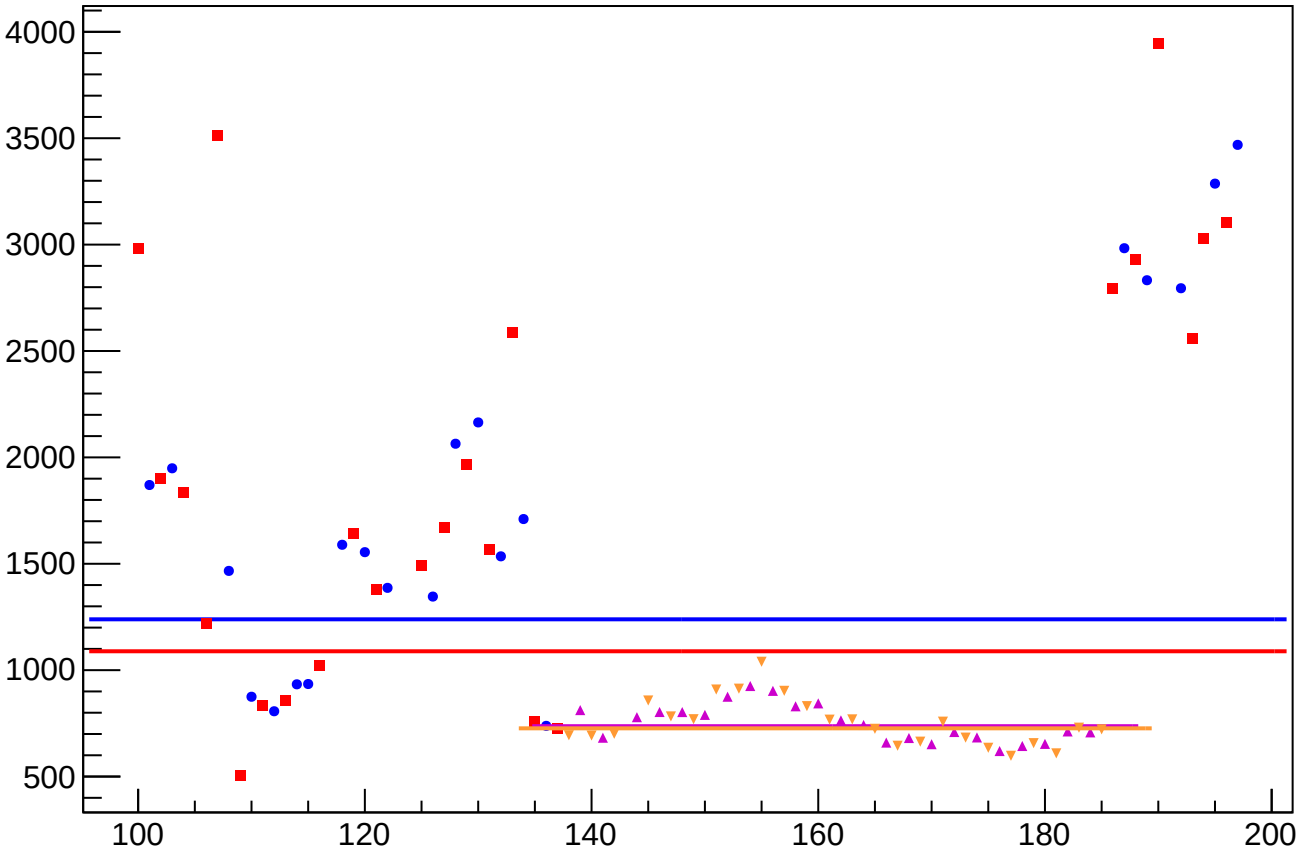
Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.318+/-0.236 χ^2/NDF: 313025.7/44

All: 1798.006+/-0.166 χ^2/NDF: 471831.3/91

- sign 1800.656+/-0.234 χ^2/NDF: 158547.1/46


asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -692.441+/-430.769 χ²/NDF: 25.4/20
Left Out: -716.601+/-170.602 χ²/NDF:59.4/23
Right Out: -895.559+/-382.788 χ²/NDF: 13.5/23
Left In: -231.318+/-173.435 χ²/NDF:24.1/22
+ sign -713.325+/-158.616 χ²/NDF: 84.8/44
All: -528.144+/-111.932 χ²/NDF: 127.6/91
- sign -344.453+/-157.977 χ²/NDF: 40.1/46



Right In: 1238.975+/-0.305 χ^2/NDF: 4561109.4/20

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1088.782+/-0.271 χ^2/NDF: 6644894.1/23

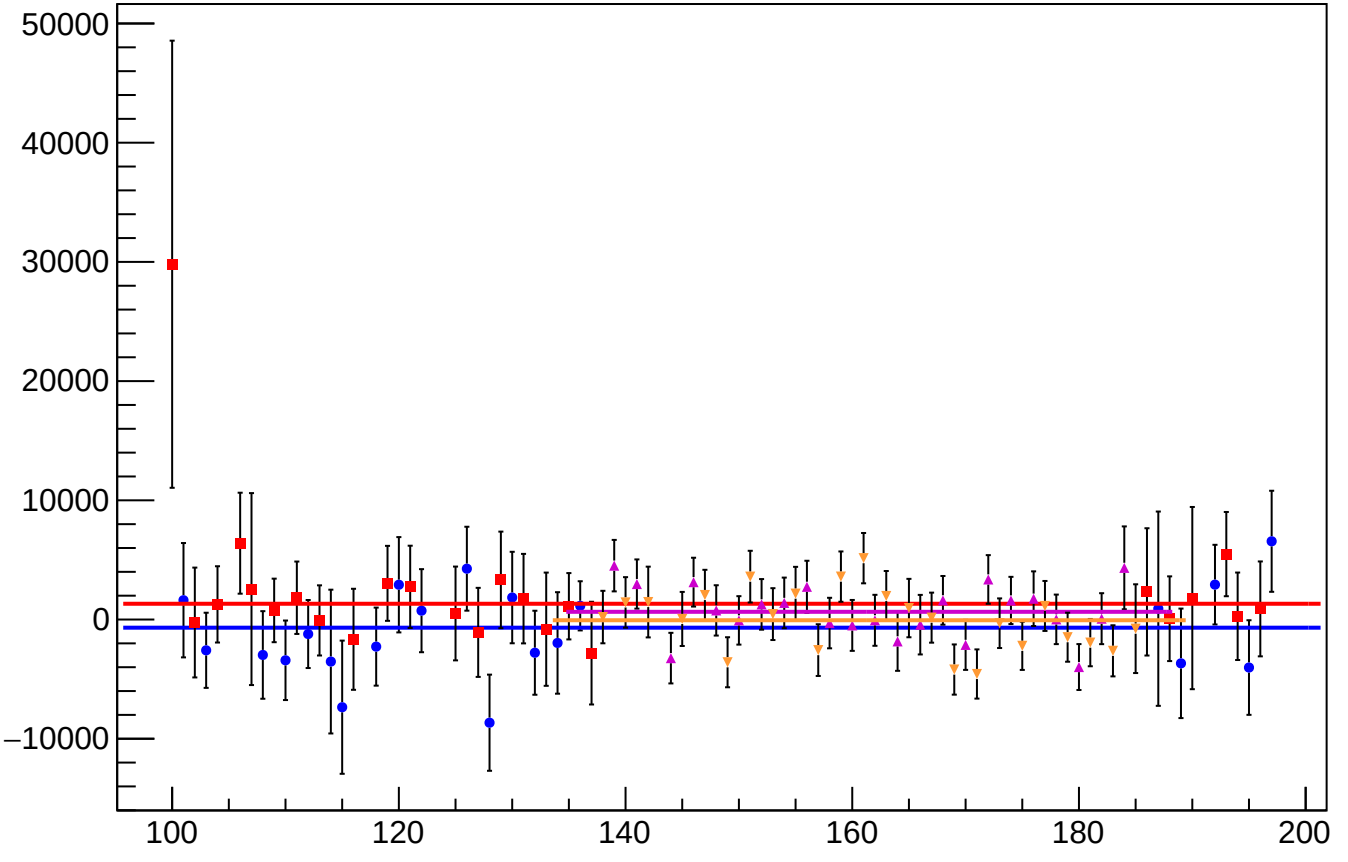
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 796.073+/-0.112 χ^2/NDF: 7691756.6/44

All: 796.375+/-0.079 χ^2/NDF: 16205468.2/91

- sign 796.674+/-0.112 χ^2/NDF: 8513697.2/46

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -684.462+/-795.349 χ^2/NDF: 17.4/20

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1322.513+/-774.109 χ^2/NDF: 8.6/23

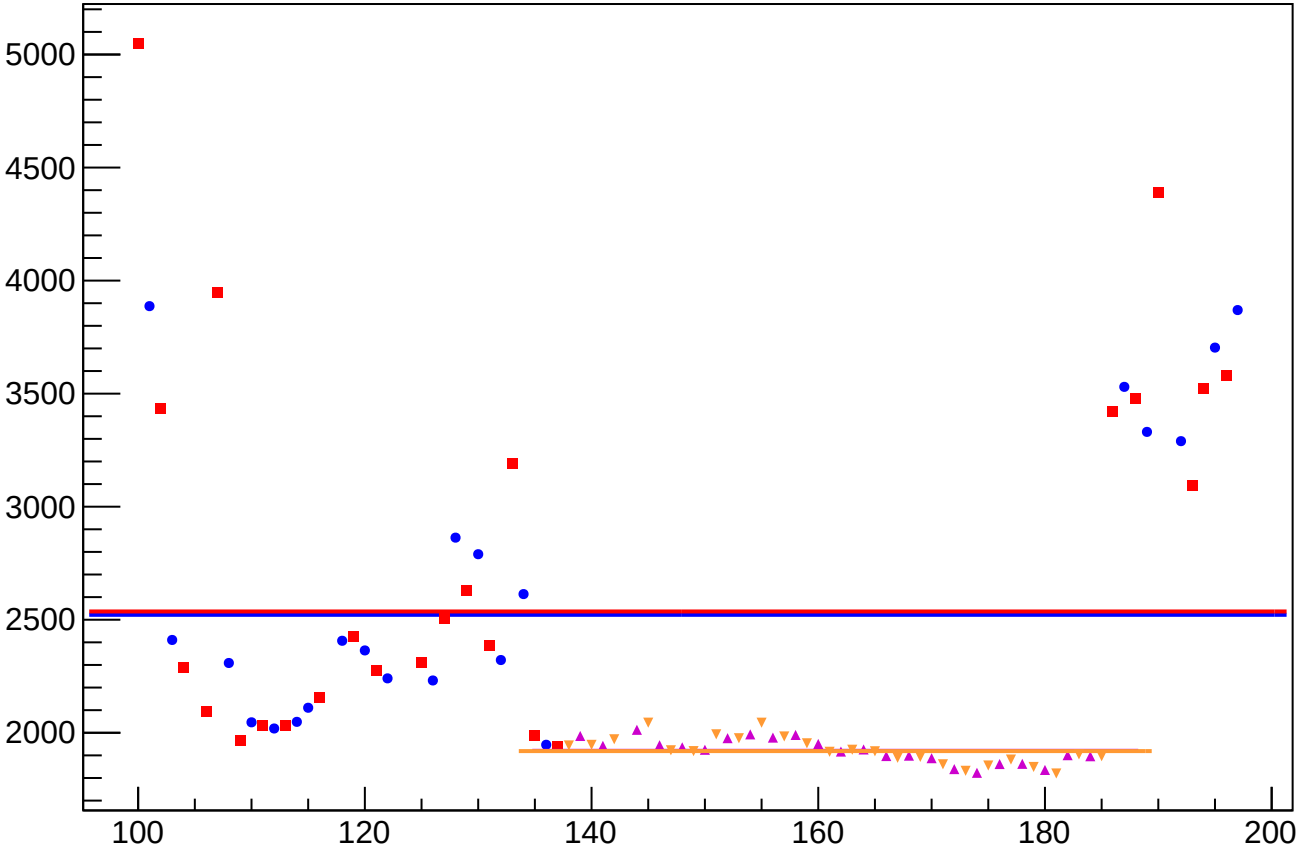
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -208.872+/-388.747 χ^2/NDF: 50.8/44

All: 304.783+/-274.655 χ^2/NDF: 87.2/91

- sign 816.721+/-388.096 χ^2/NDF: 32.9/46

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2521.781+/-0.562 χ^2/NDF: 1094225.1/20

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

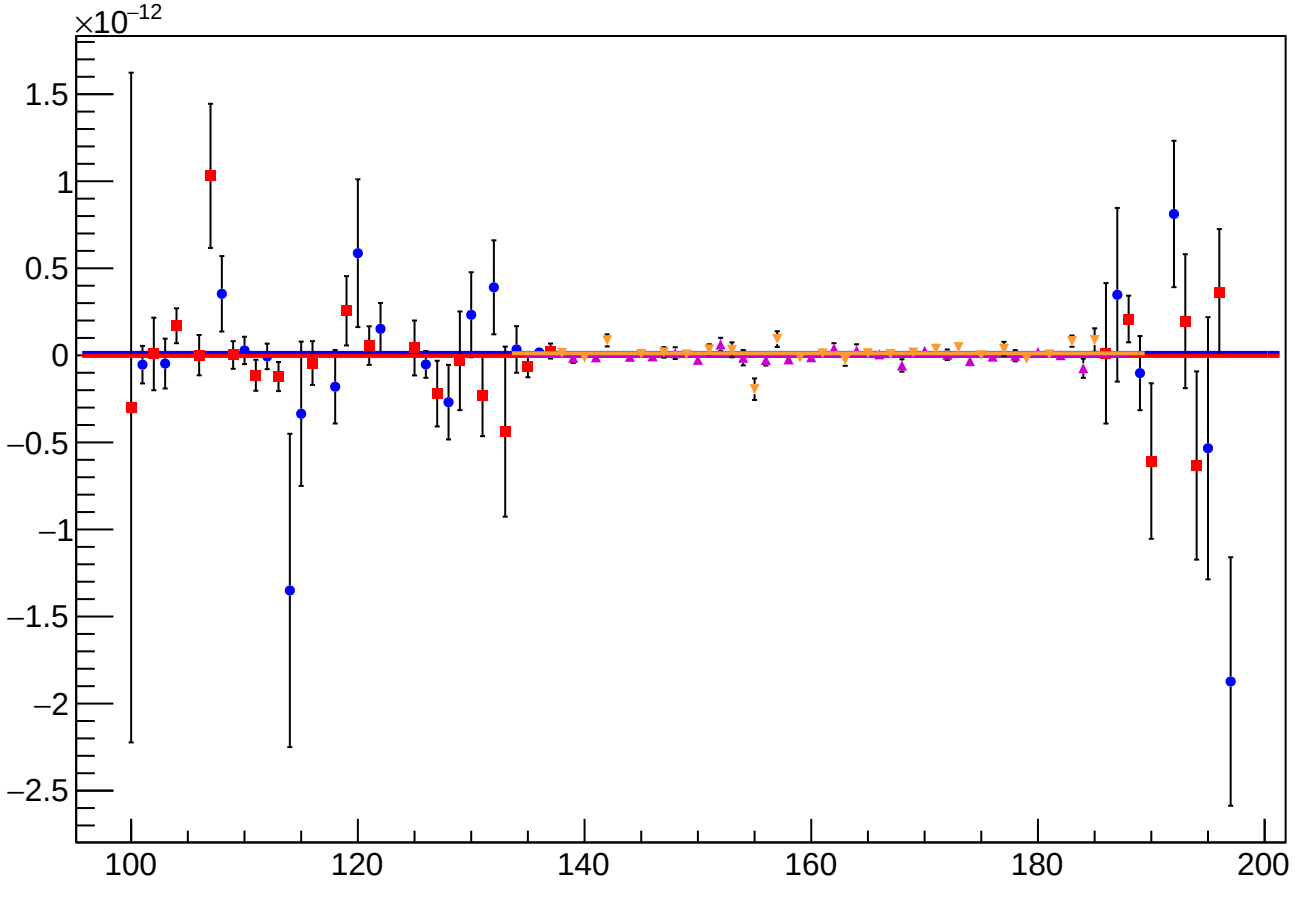
Right Out: 2536.567+/-0.547 χ^2/NDF: 1254282.9/23

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2062.987+/-0.275 χ^2/NDF: 2004203.6/44

All: 2069.071+/-0.194 χ^2/NDF: 4238603.1/91

- sign 2075.135+/-0.274 χ^2/NDF: 2233421.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

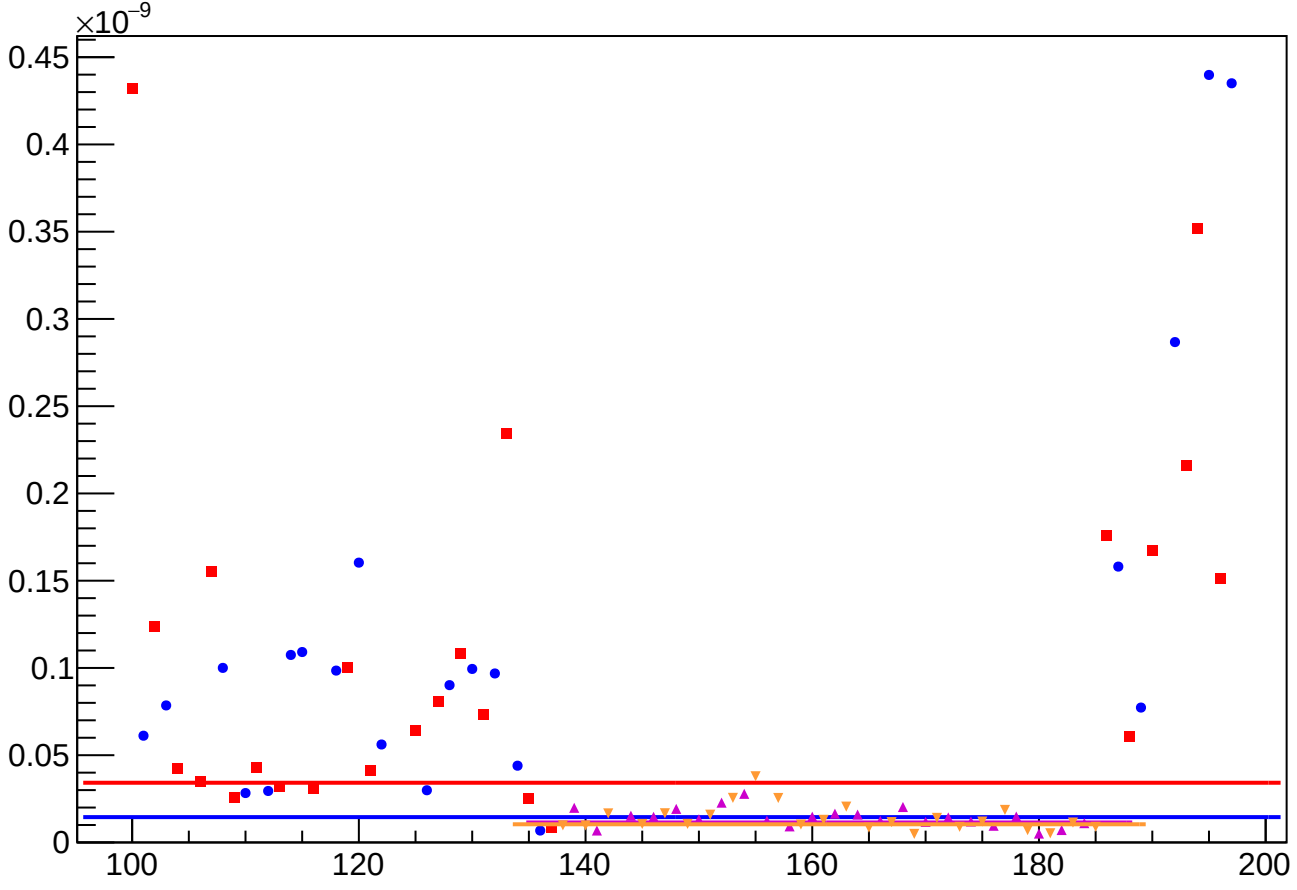
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/23

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/44

All: 0.000+/-0.000 χ^2/NDF: 116.2/91

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



Right In: 0.000+/-0.000 χ^2/NDF: 5936752.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

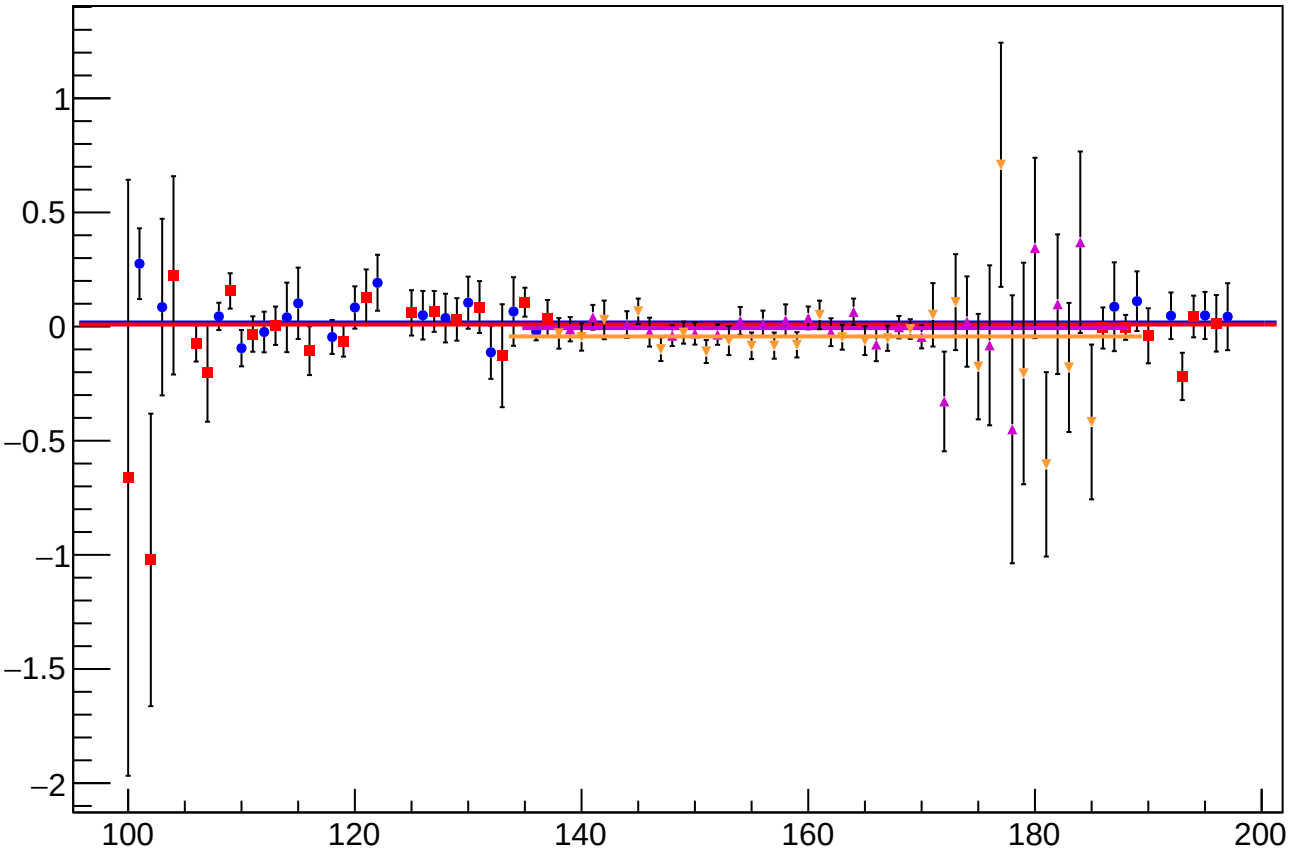
Right Out: 0.000+/-0.000 χ^2/NDF: 4241808.3/23

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8167575.4/44

All: 0.000+/-0.000 χ^2/NDF: 16211725.7/91

- sign 0.000+/-0.000 χ^2/NDF: 7925061.7/46



Right In: 0.018+/-0.020 χ^2/NDF: 12.7/20

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

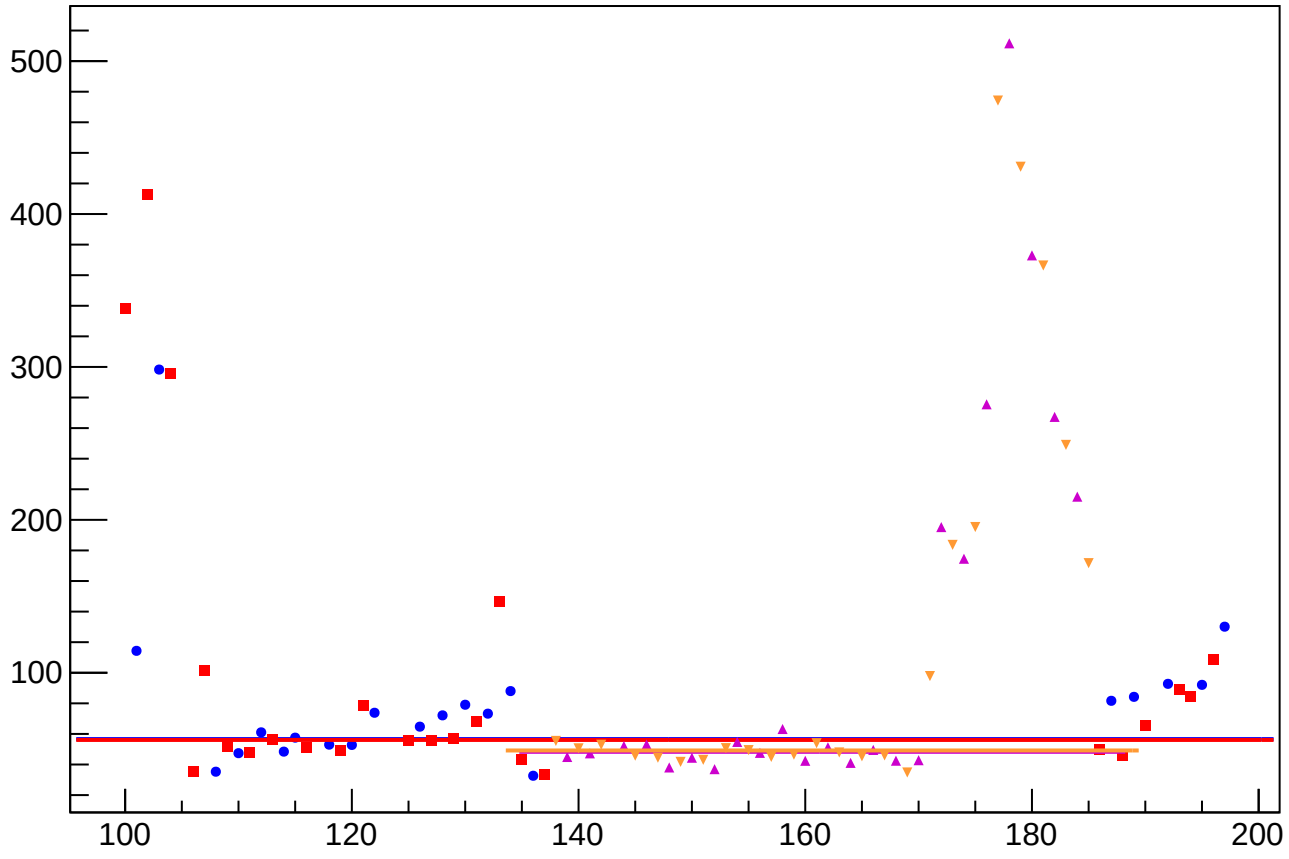
Right Out: 0.009+/-0.019 χ^2/NDF: 21.5/23

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/44

All: -0.012+/-0.008 χ^2/NDF: 72.9/91

- sign -0.002+/-0.011 χ^2/NDF: 33.3/46



Right In: 56.622+/-0.014 χ^2/NDF: 3527565.3/20

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

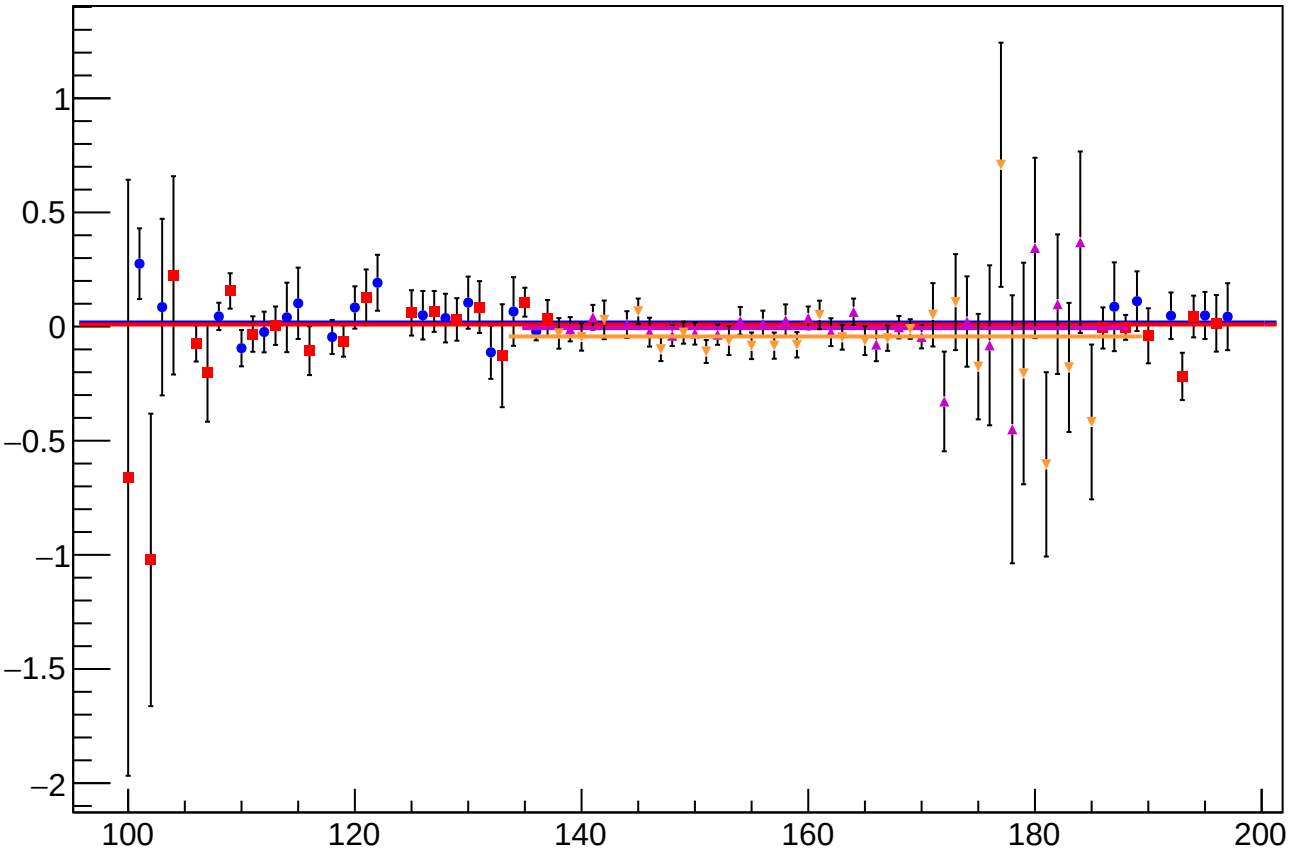
Right Out: 56.076+/-0.014 χ^2/NDF: 3106208.4/23

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 51.547+/-0.008 χ^2/NDF: 10959821.9/44

All: 51.191+/-0.006 χ^2/NDF: 21327350.9/91

- sign 50.860+/-0.008 χ^2/NDF: 10363826.9/46



Right In: 0.018+/-0.020 χ^2/NDF: 12.7/20

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

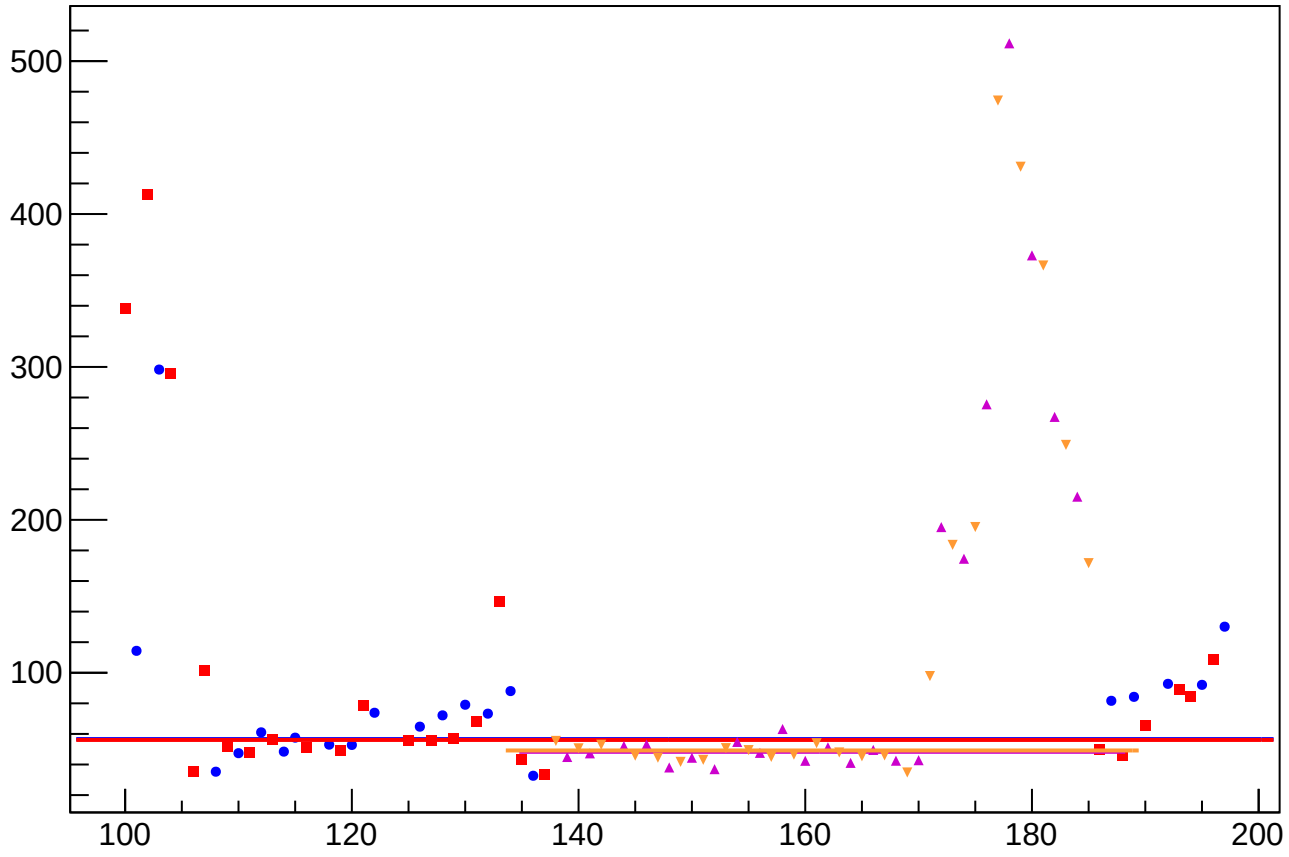
Right Out: 0.009+/-0.019 χ^2/NDF: 21.5/23

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/44

All: -0.012+/-0.008 χ^2/NDF: 72.9/91

- sign -0.002+/-0.011 χ^2/NDF: 33.3/46



Right In: 56.622+/-0.014 χ^2/NDF: 3527565.3/20

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

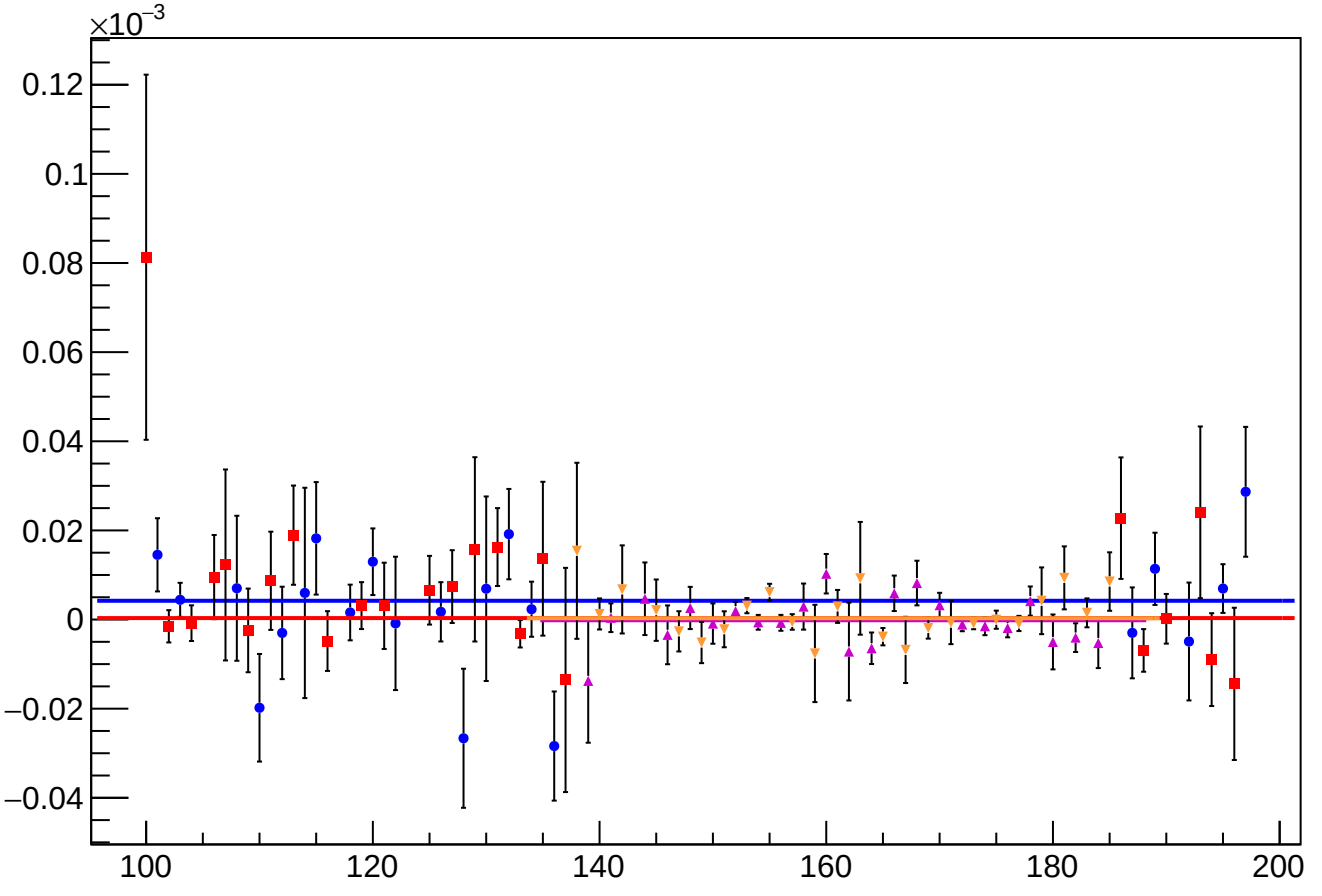
Right Out: 56.076+/-0.014 χ^2/NDF: 3106208.4/23

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 51.547+/-0.008 χ^2/NDF: 10959821.9/44

All: 51.191+/-0.006 χ^2/NDF: 21327350.9/91

- sign 50.860+/-0.008 χ^2/NDF: 10363826.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

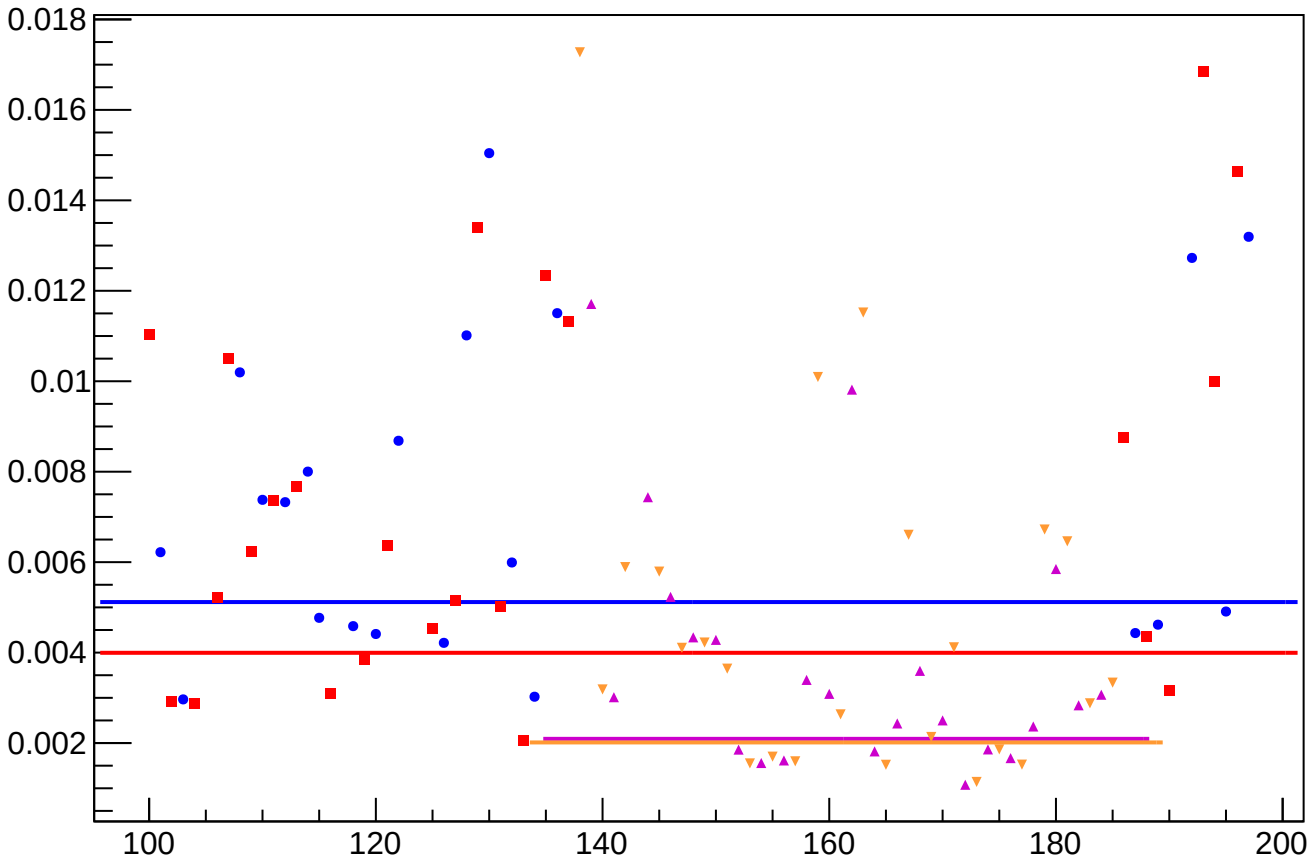
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/23

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.2/44

All: 0.000+/-0.000 χ^2/NDF: 111.9/91

- sign -0.000+/-0.000 χ^2/NDF: 50.9/46



Right In: 0.005+/-0.000 χ^2/NDF: 4073114.7/20

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

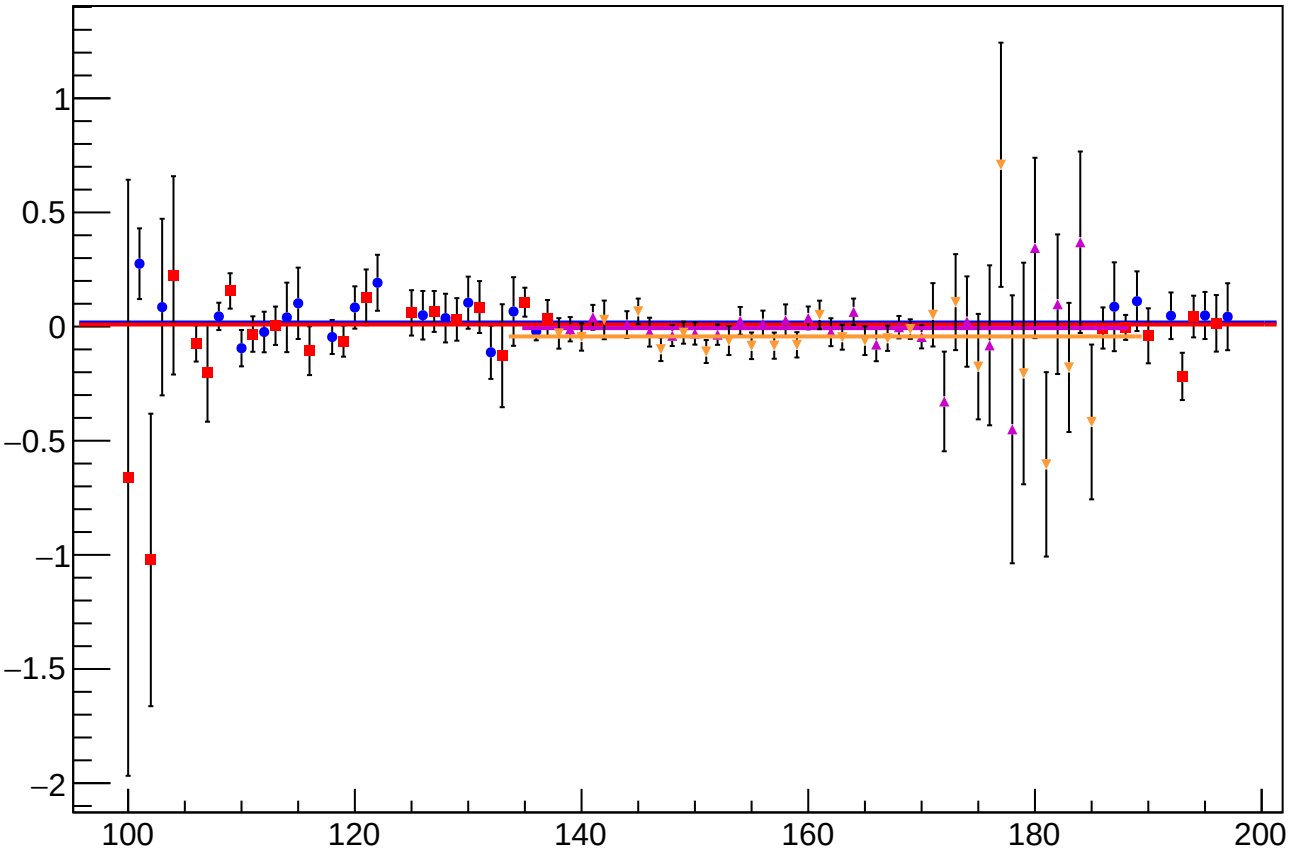
Right Out: 0.004+/-0.000 χ^2/NDF: 5835140.0/23

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 19607689.0/44

All: 0.002+/-0.000 χ^2/NDF: 35698454.5/91

- sign 0.002+/-0.000 χ^2/NDF: 16053659.9/46



Right In: 0.018+/-0.020 χ^2/NDF: 12.7/20

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

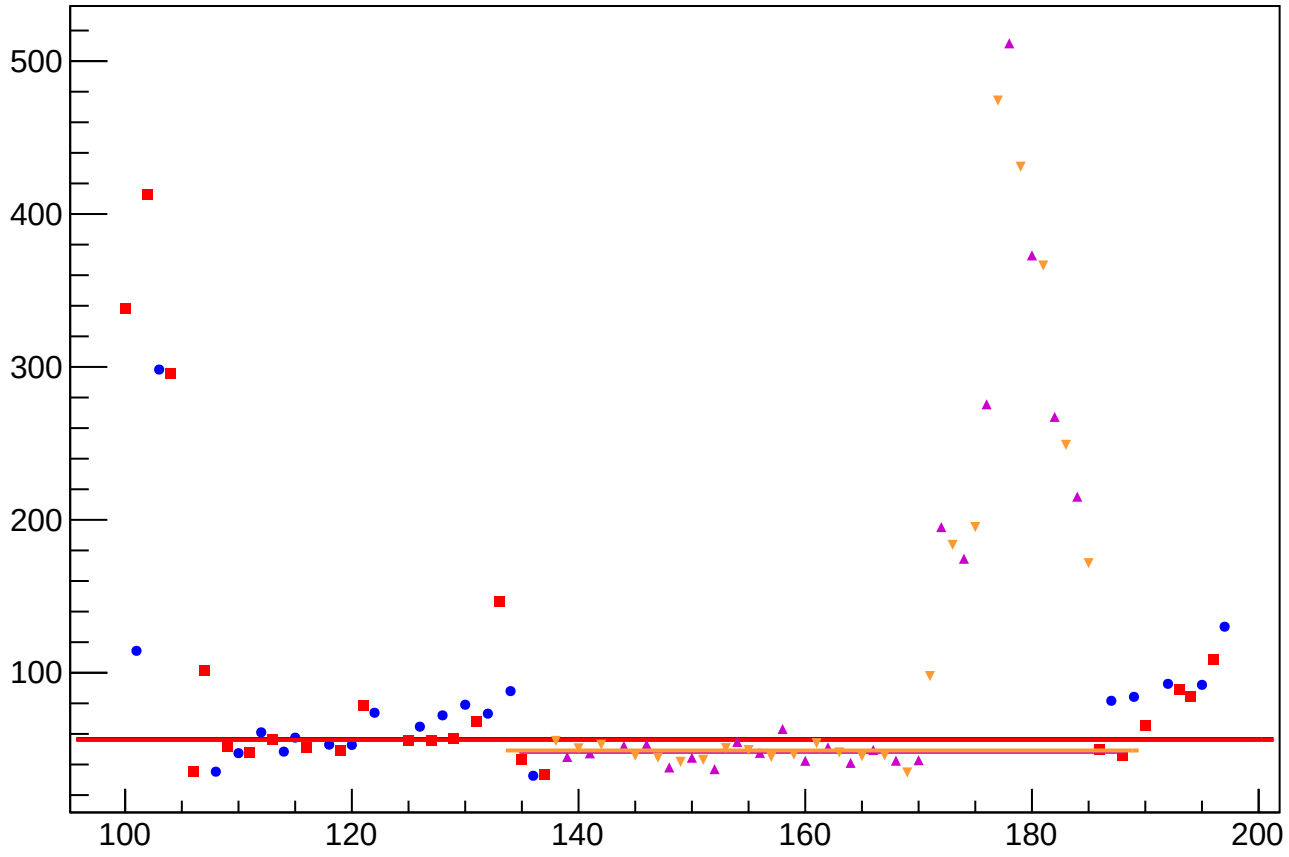
Right Out: 0.009+/-0.019 χ^2/NDF: 21.5/23

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/44

All: -0.012+/-0.008 χ^2/NDF: 72.9/91

- sign -0.002+/-0.011 χ^2/NDF: 33.3/46



Right In: 56.622+/-0.014 χ^2/NDF: 3527361.0/20

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

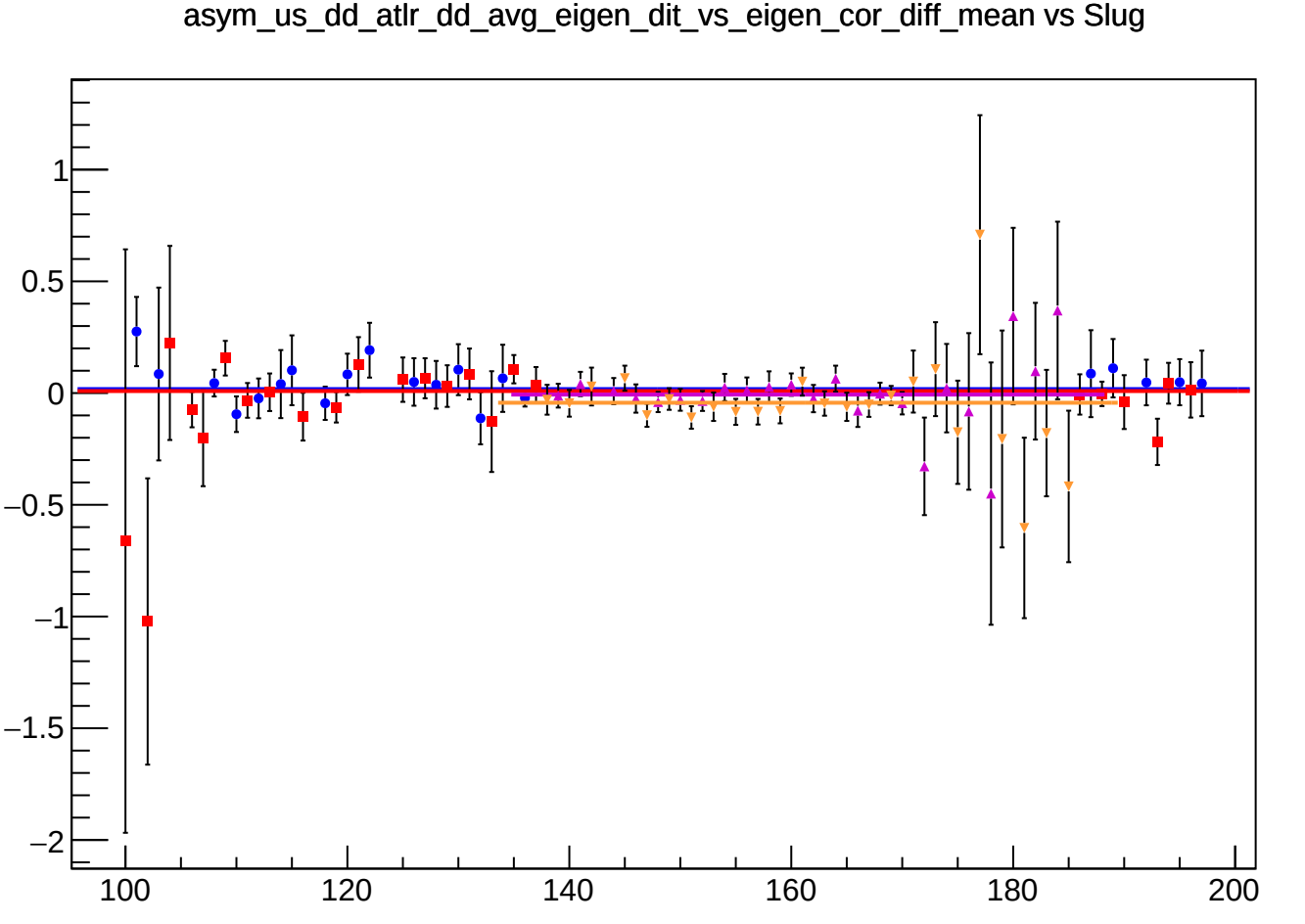
Right Out: 56.076+/-0.014 χ^2/NDF: 3106054.6/23

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 51.547+/-0.008 χ^2/NDF: 10959663.9/44

All: 51.191+/-0.006 χ^2/NDF: 21326974.3/91

- sign 50.861+/-0.008 χ^2/NDF: 10363613.7/46



Right In: 0.018+/-0.020 χ^2/NDF: 12.7/20

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

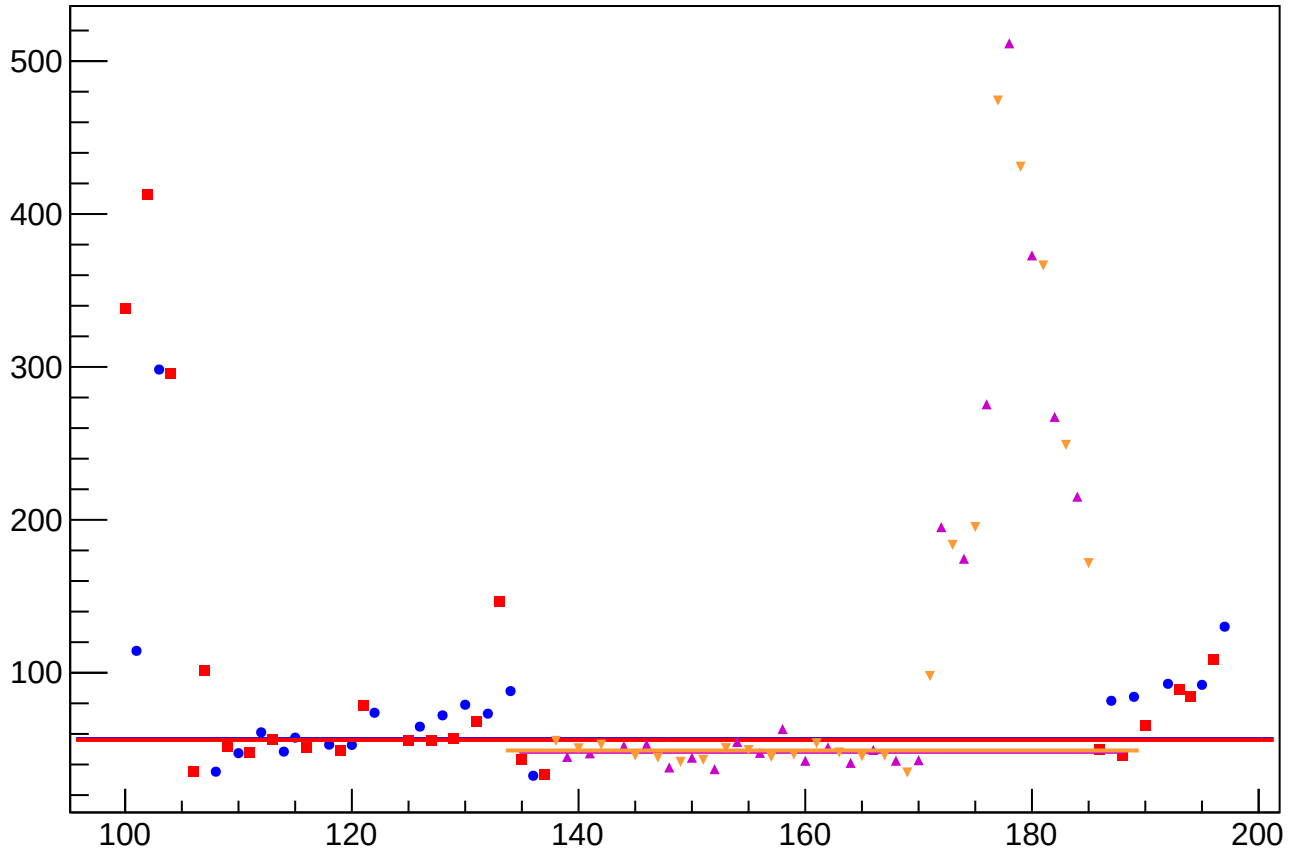
Right Out: 0.009+/-0.019 χ^2/NDF: 21.5/23

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 37.7/44

All: -0.012+/-0.008 χ^2/NDF: 72.9/91

- sign -0.002+/-0.011 χ^2/NDF: 33.3/46



Right In: 56.622+/-0.014 χ^2/NDF: 3527361.0/20

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

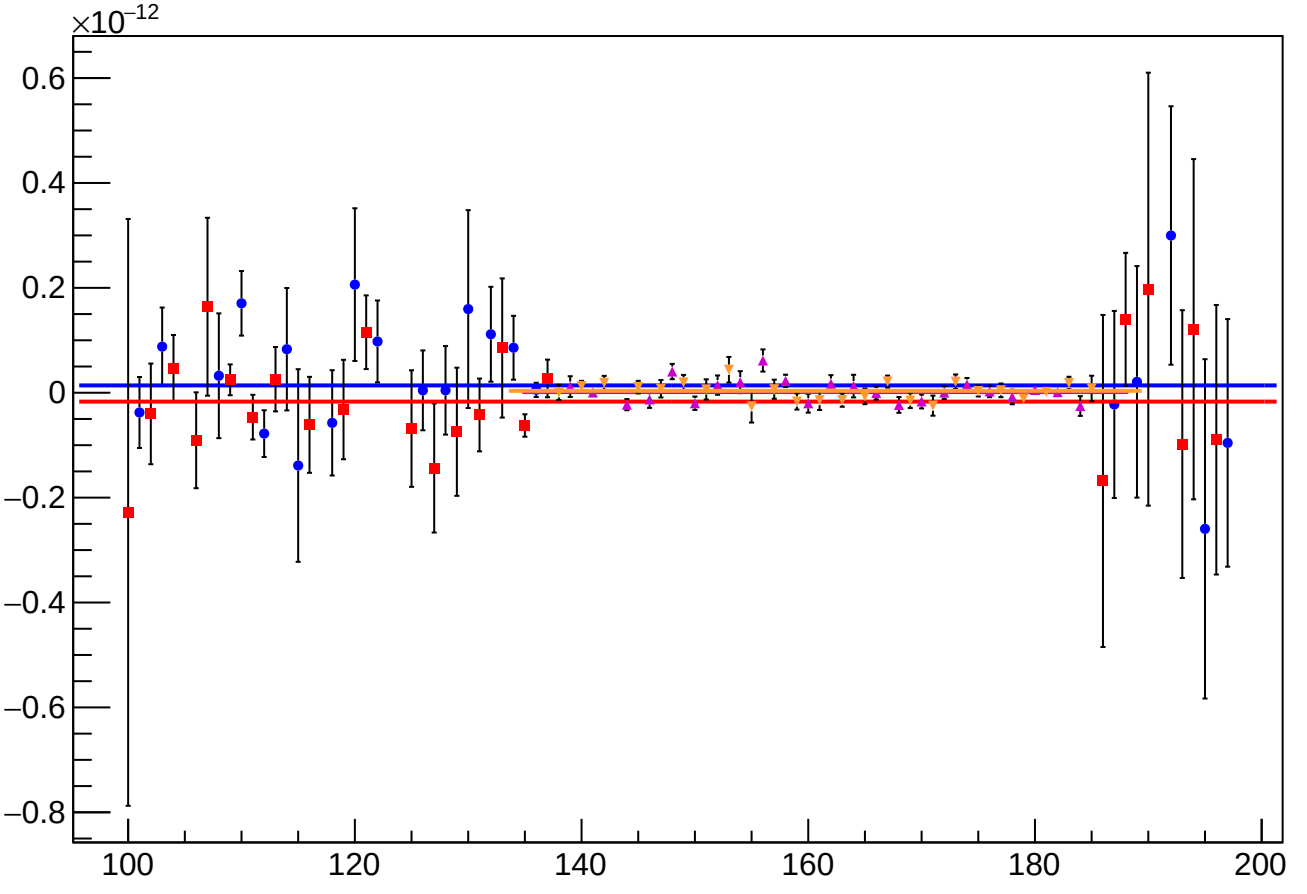
Right Out: 56.076+/-0.014 χ^2/NDF: 3106054.6/23

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 51.547+/-0.008 χ^2/NDF: 10959663.9/44

All: 51.191+/-0.006 χ^2/NDF: 21326974.3/91

- sign 50.861+/-0.008 χ^2/NDF: 10363613.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

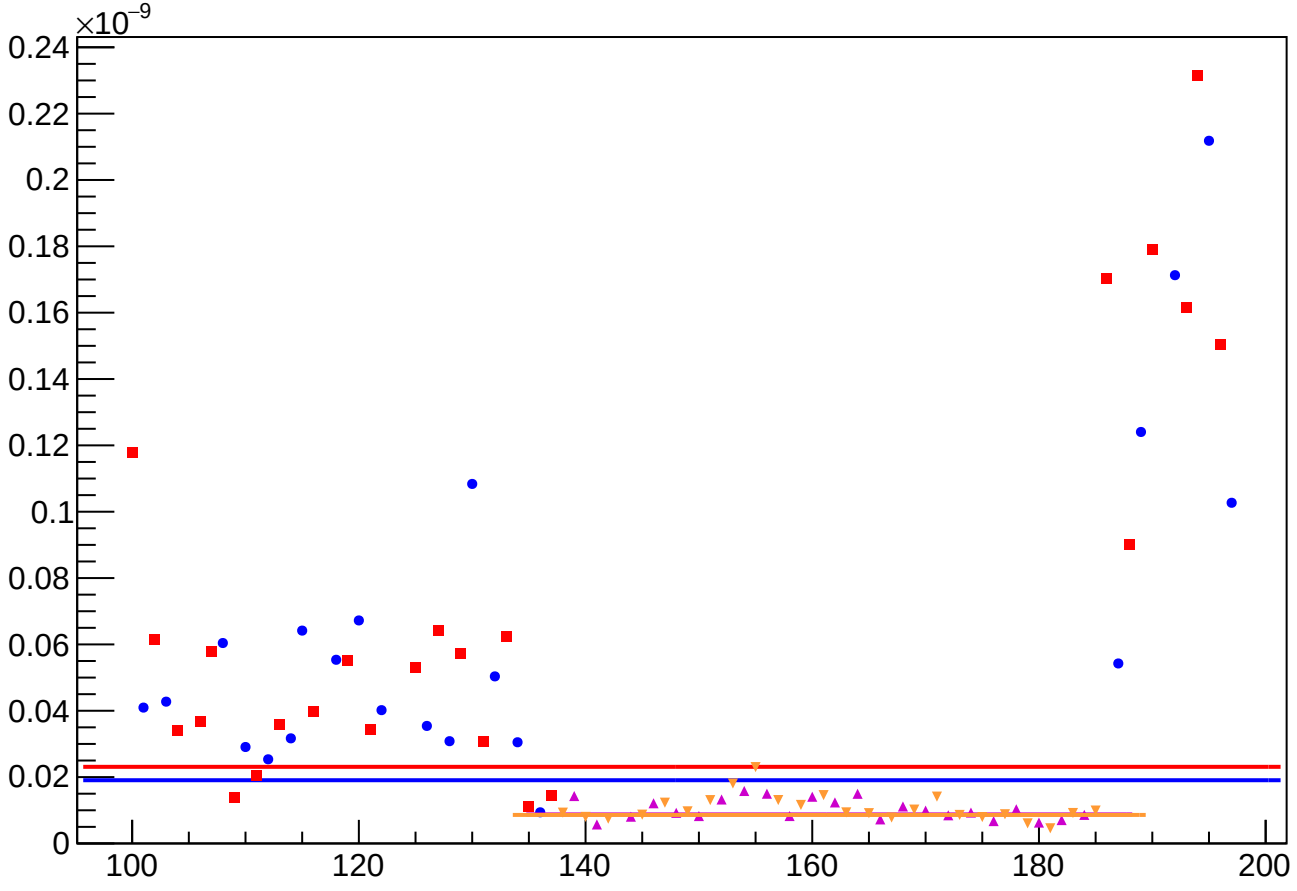
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/23

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.0/44

All: 0.000+/-0.000 χ^2/NDF: 111.6/91

- sign 0.000+/-0.000 χ^2/NDF: 62.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 5674792.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5850480.4/23

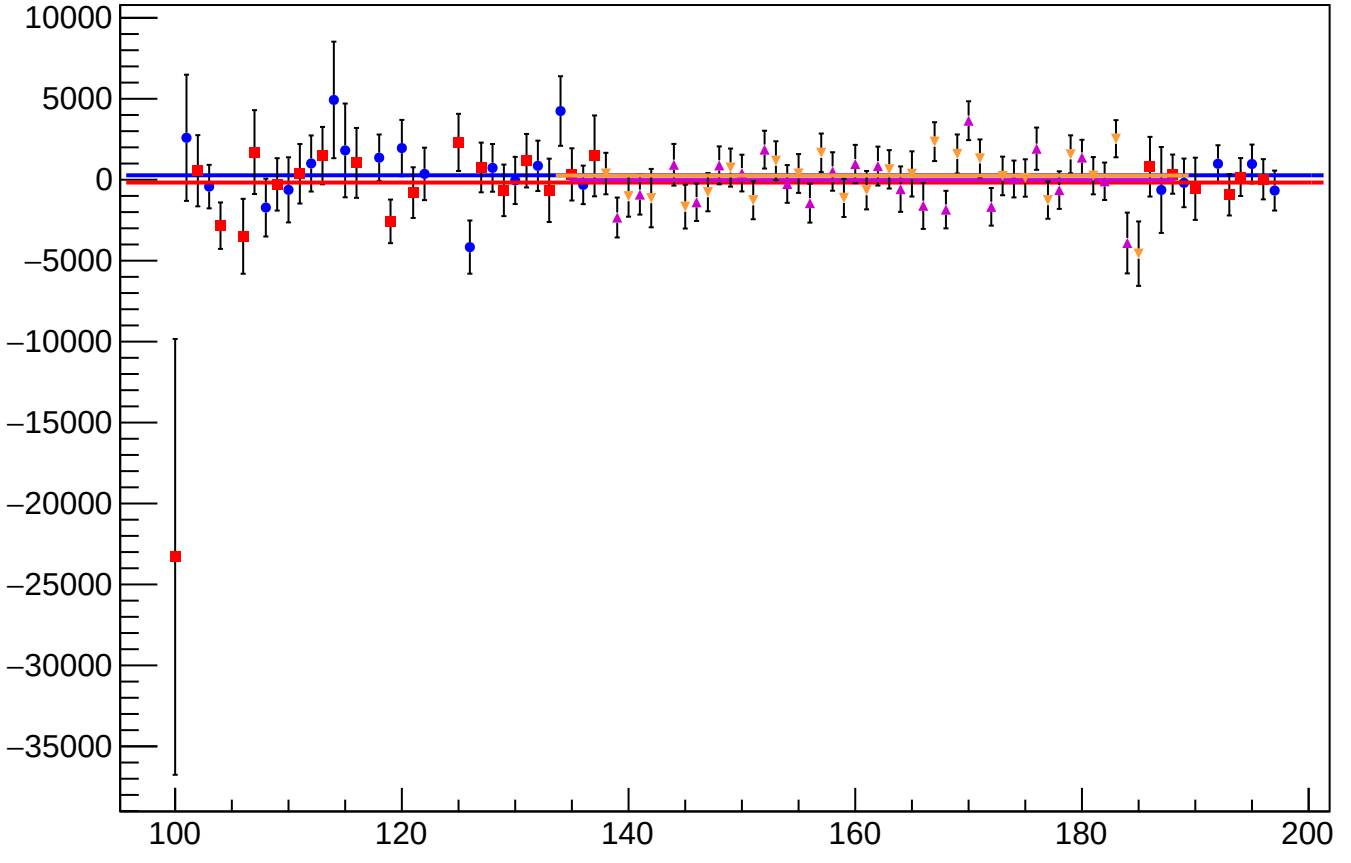
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9810391.6/44

All: 0.000+/-0.000 χ^2/NDF: 20169122.4/91

- sign 0.000+/-0.000 χ^2/NDF: 10349407.6/46

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 273.796+/-348.306 χ^2/NDF: 18.5/20

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -173.910+/-337.960 χ^2/NDF: 18.4/23

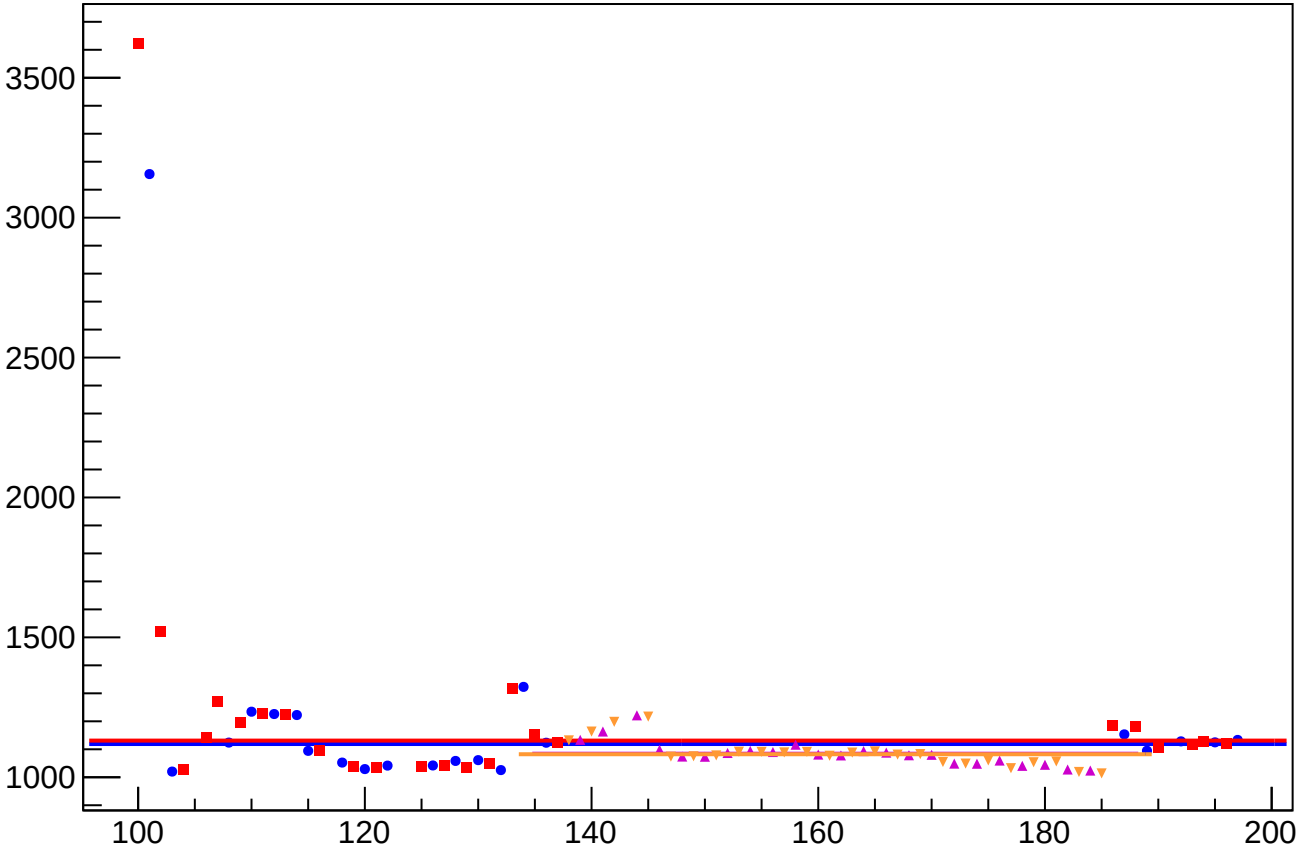
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 265.153+/-203.848 χ^2/NDF: 46.7/44

All: 93.172+/-143.737 χ^2/NDF: 102.4/91

- sign -76.885+/-202.705 χ^2/NDF: 54.3/46

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.823+/-0.246 χ^2/NDF: 624793.8/20

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

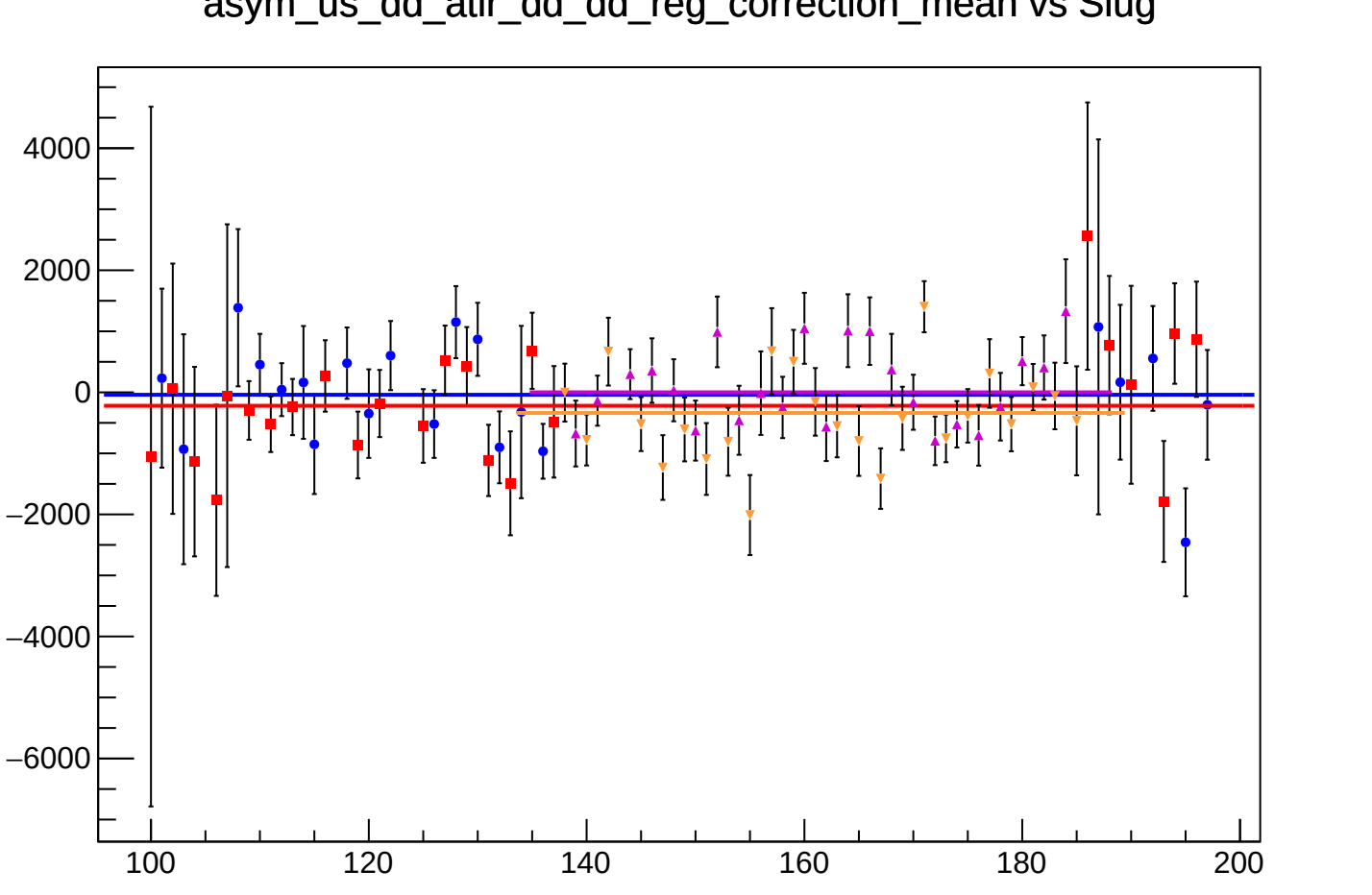
Right Out: 1131.051+/-0.239 χ^2/NDF: 228470.7/23

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1094.815+/-0.144 χ^2/NDF: 697119.2/44

All: 1097.941+/-0.102 χ^2/NDF: 1004609.1/91

- sign 1101.033+/-0.143 χ^2/NDF: 306554.3/46



Right In: -39.748+/-152.381 χ^2/NDF: 27.5/20

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

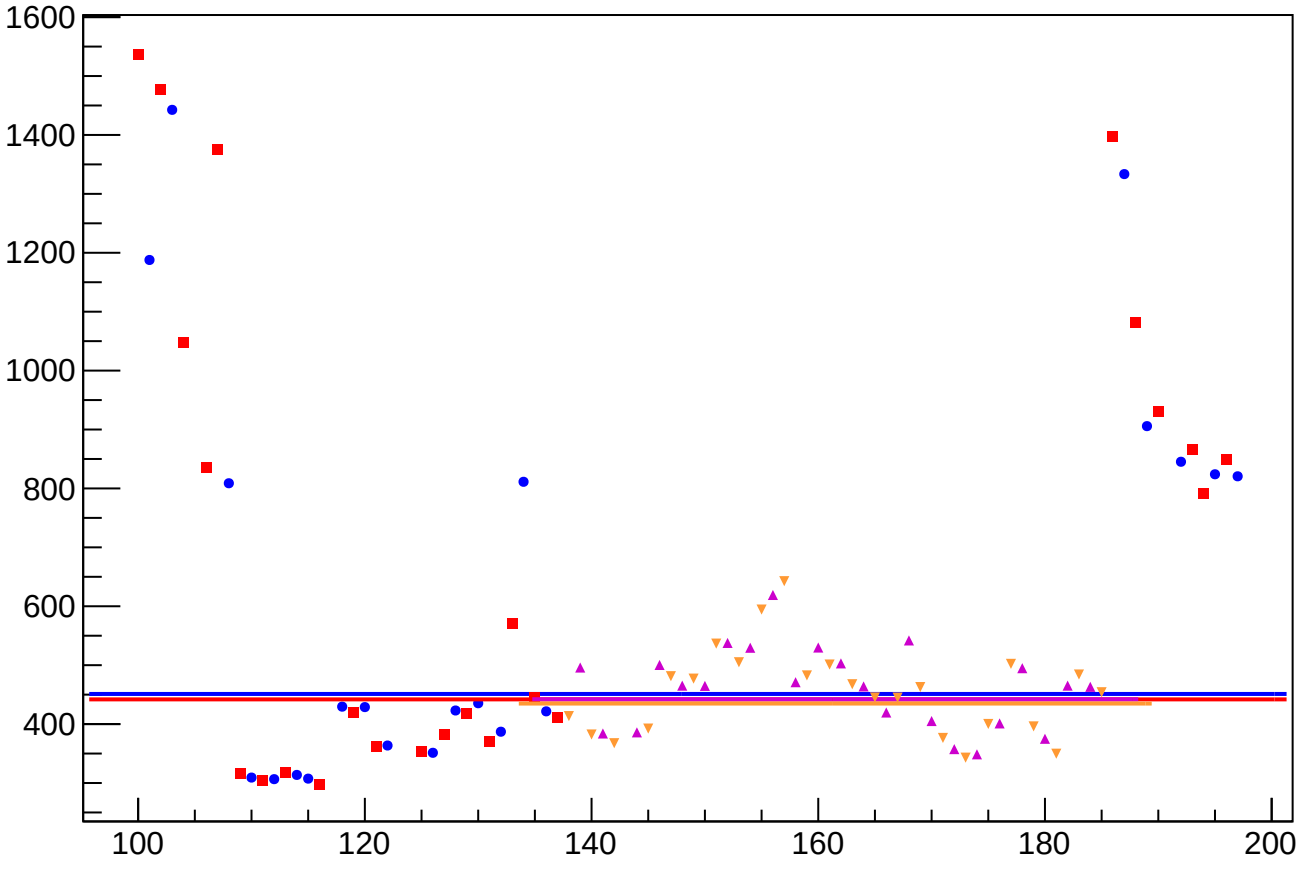
Right Out: -220.273+/-147.486 χ^2/NDF: 22.0/23

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -244.775+/-85.107 χ^2/NDF: 78.9/44

All: -159.413+/-60.280 χ^2/NDF: 136.3/91

- sign -73.478+/-85.392 χ^2/NDF: 55.4/46



Right In: 451.161+/-0.108 χ^2/NDF: 3522439.1/20

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 441.944+/-0.104 χ^2/NDF: 4313199.7/23

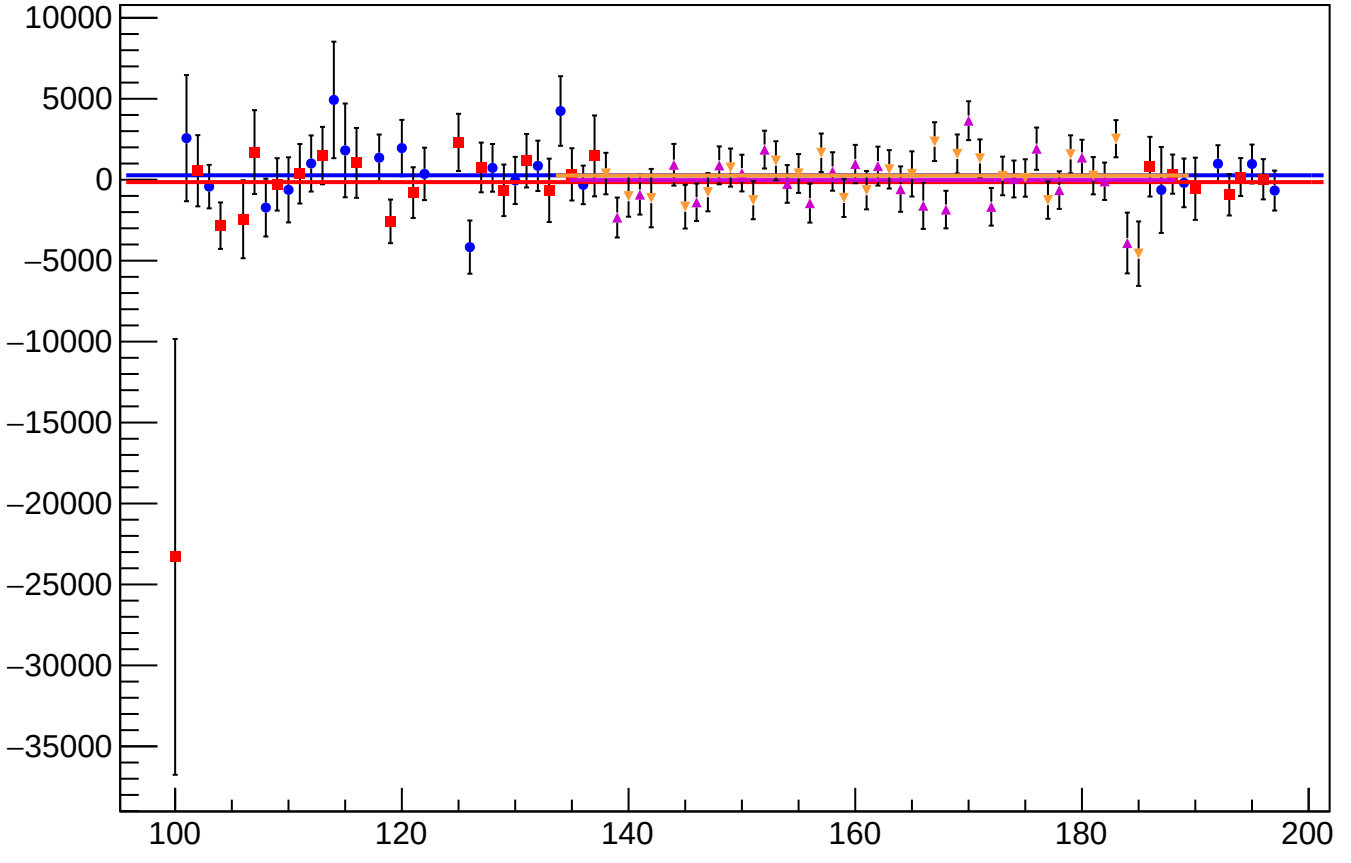
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 439.944+/-0.060 χ^2/NDF: 4416606.0/44

All: 441.028+/-0.043 χ^2/NDF: 9556433.7/91

- sign 442.120+/-0.060 χ^2/NDF: 5139176.1/46

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 273.604+/-348.306 χ^2/NDF: 18.5/20

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -147.691+/-338.239 χ^2/NDF: 17.2/23

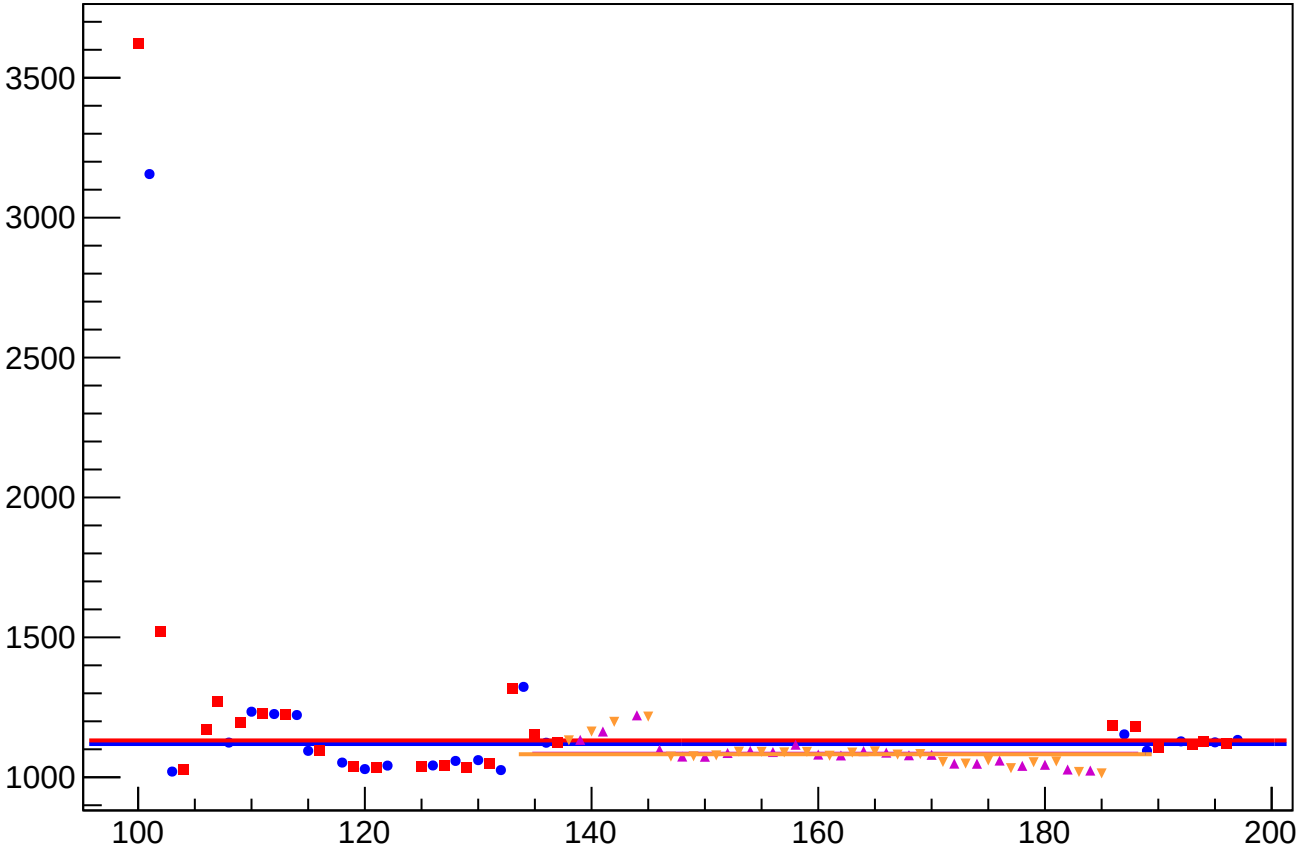
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 265.080+/-203.848 χ^2/NDF: 46.7/44

All: 97.954+/-143.758 χ^2/NDF: 101.1/91

- sign -67.402+/-202.765 χ^2/NDF: 53.1/46

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.823+/-0.246 χ^2/NDF: 624794.8/20

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

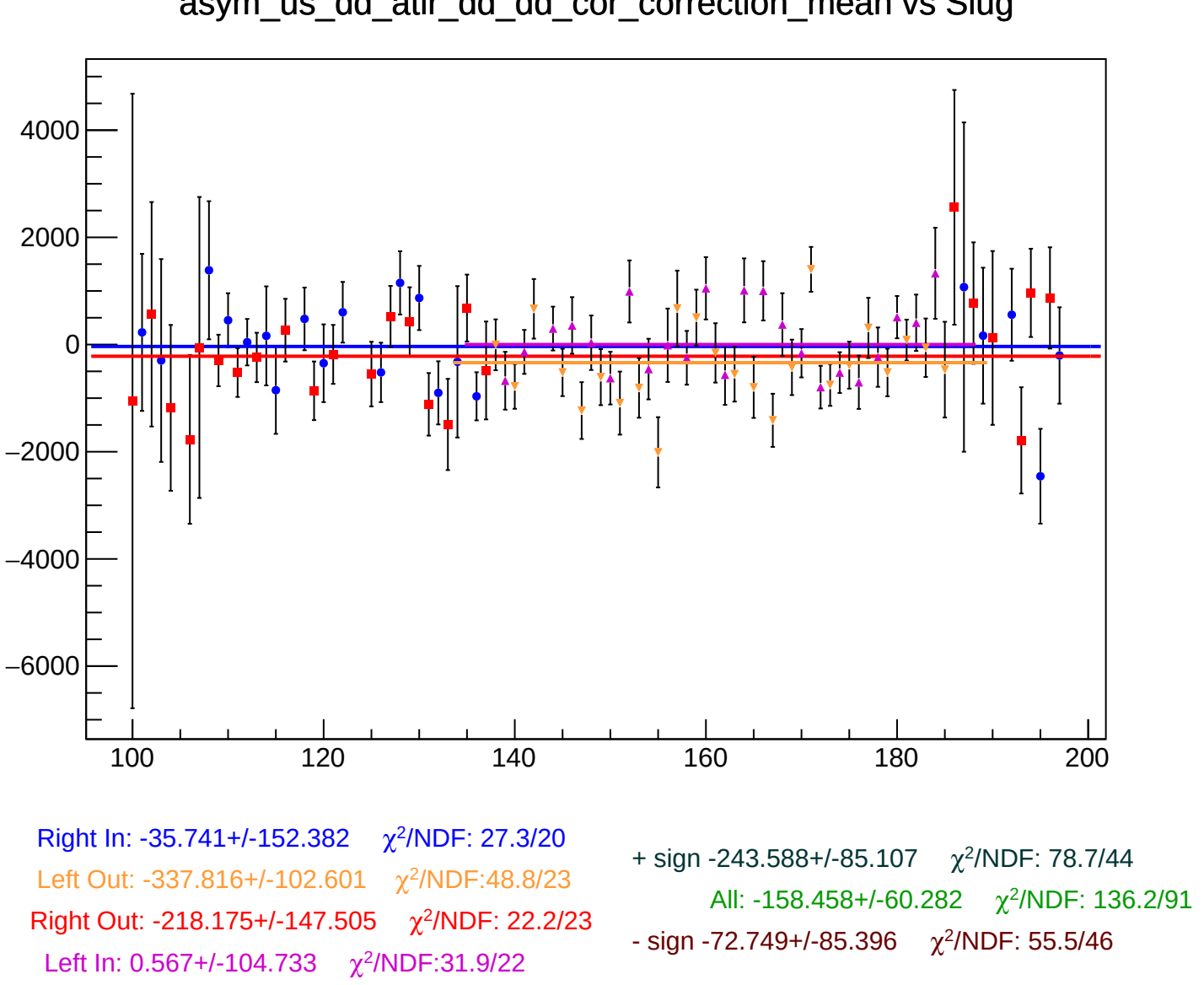
Right Out: 1131.654+/-0.239 χ^2/NDF: 229002.9/23

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

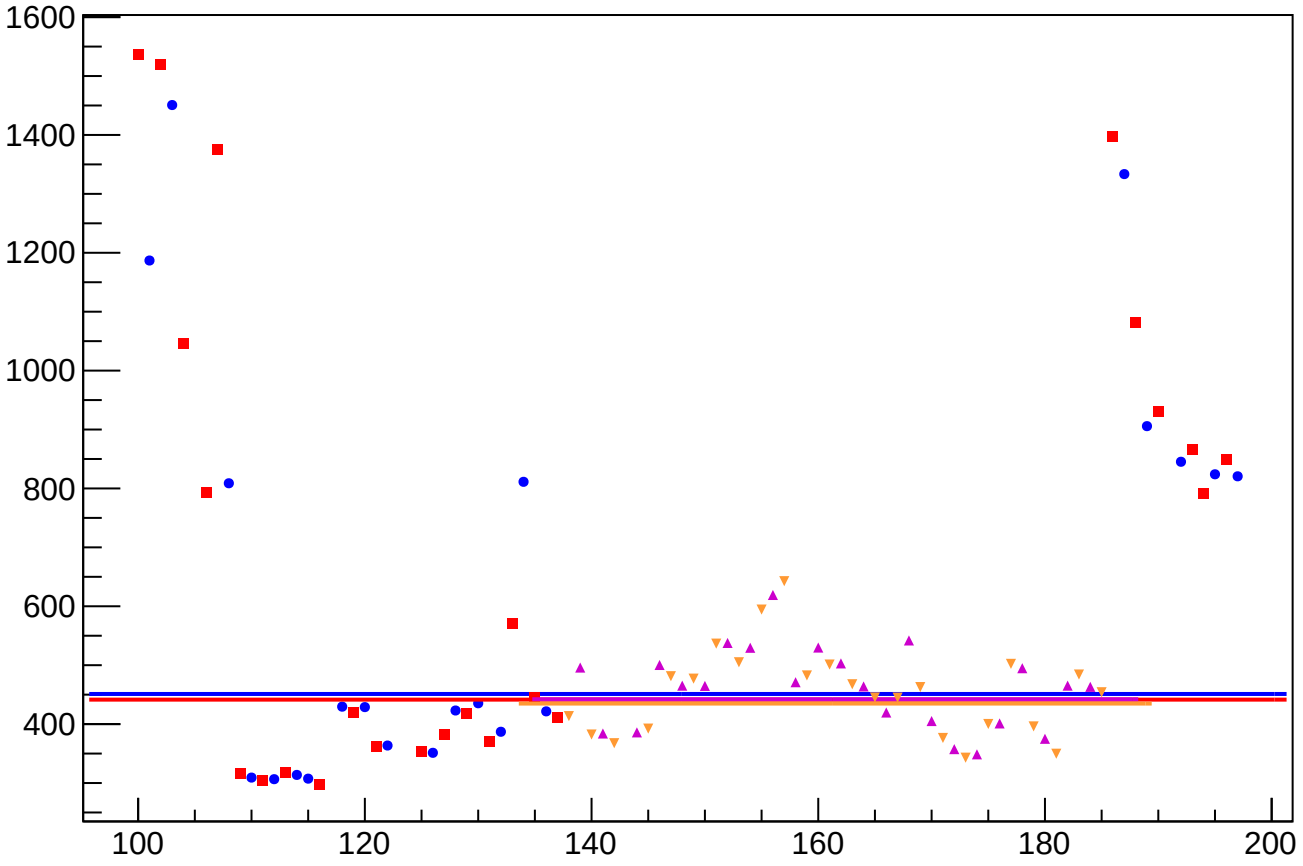
+ sign 1094.815+/-0.144 χ^2/NDF: 697120.1/44

All: 1098.041+/-0.102 χ^2/NDF: 1005814.0/91

- sign 1101.232+/-0.143 χ^2/NDF: 307697.7/46


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: -35.741+/-152.382 χ²/NDF: 27.3/20
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: -218.175+/-147.505 χ²/NDF: 22.2/23
Left In: 0.567+/-104.733 χ²/NDF:31.9/22
+ sign -243.588+/-85.107 χ²/NDF: 78.7/44
All: -158.458+/-60.282 χ²/NDF: 136.2/91
- sign -72.749+/-85.396 χ²/NDF: 55.5/46

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 451.151+/-0.108 χ^2/NDF: 3526202.3/20

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 441.545+/-0.104 χ^2/NDF: 4305432.9/23

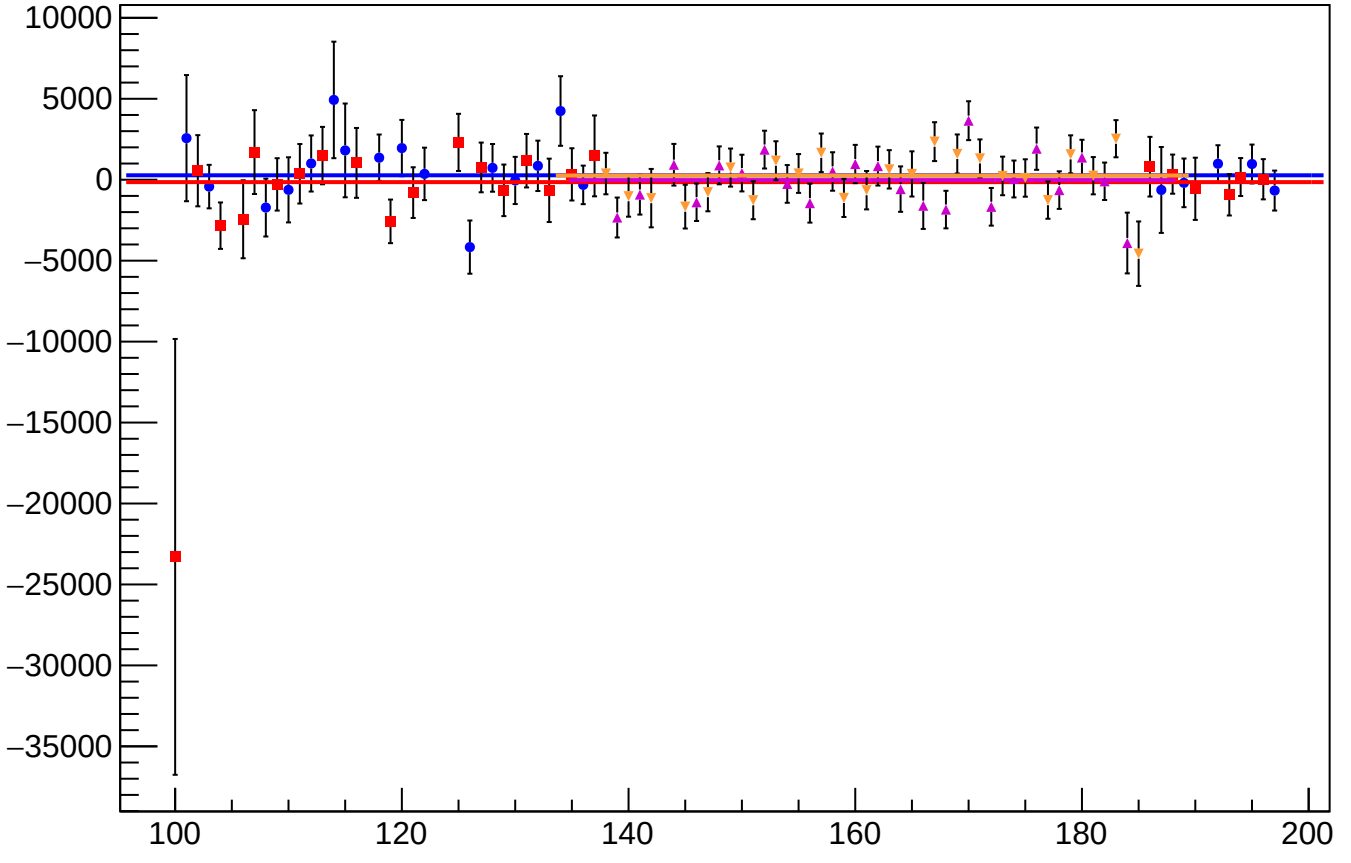
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 439.939+/-0.060 χ^2/NDF: 4420445.6/44

All: 440.959+/-0.043 χ^2/NDF: 9552327.1/91

- sign 441.987+/-0.060 χ^2/NDF: 5131304.4/46

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 273.604+/-348.306 χ^2/NDF: 18.5/20

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -147.691+/-338.239 χ^2/NDF: 17.2/23

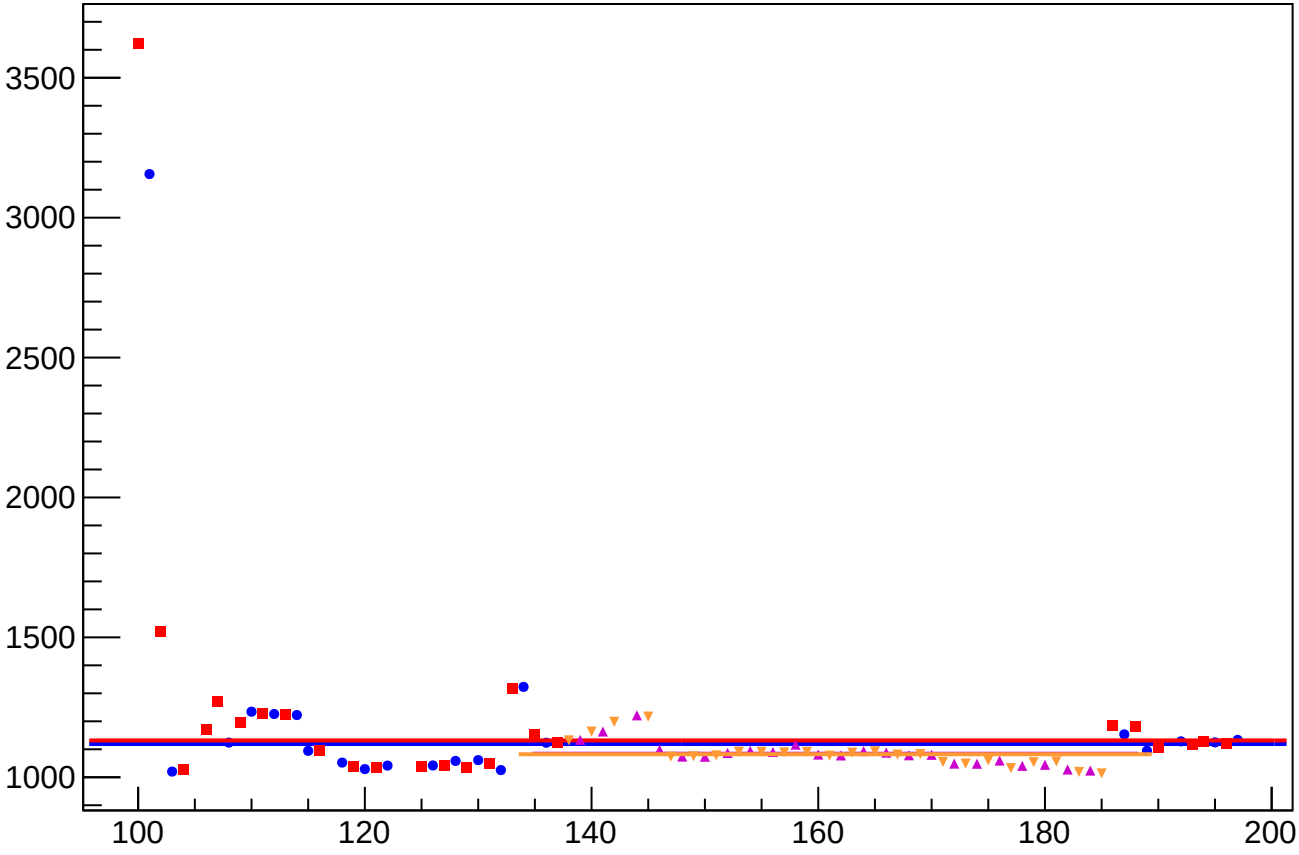
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 265.080+/-203.848 χ^2/NDF: 46.7/44

All: 97.954+/-143.758 χ^2/NDF: 101.1/91

- sign -67.402+/-202.765 χ^2/NDF: 53.1/46

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.823+/-0.246 χ^2/NDF: 624794.8/20

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

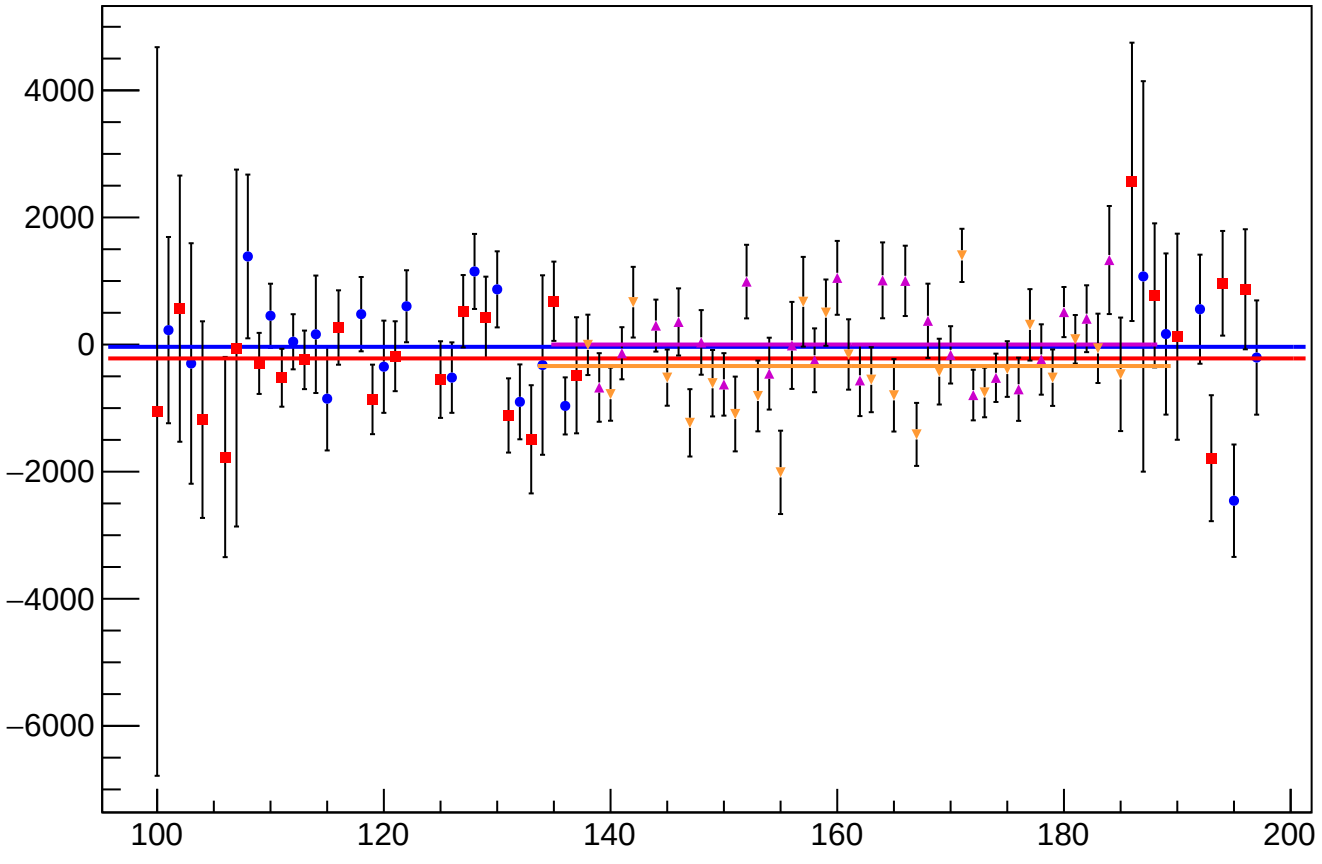
Right Out: 1131.654+/-0.239 χ^2/NDF: 229002.9/23

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1094.815+/-0.144 χ^2/NDF: 697120.1/44

All: 1098.041+/-0.102 χ^2/NDF: 1005814.0/91

- sign 1101.232+/-0.143 χ^2/NDF: 307697.7/46



Right In: -35.741+/-152.382 χ^2/NDF: 27.3/20

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

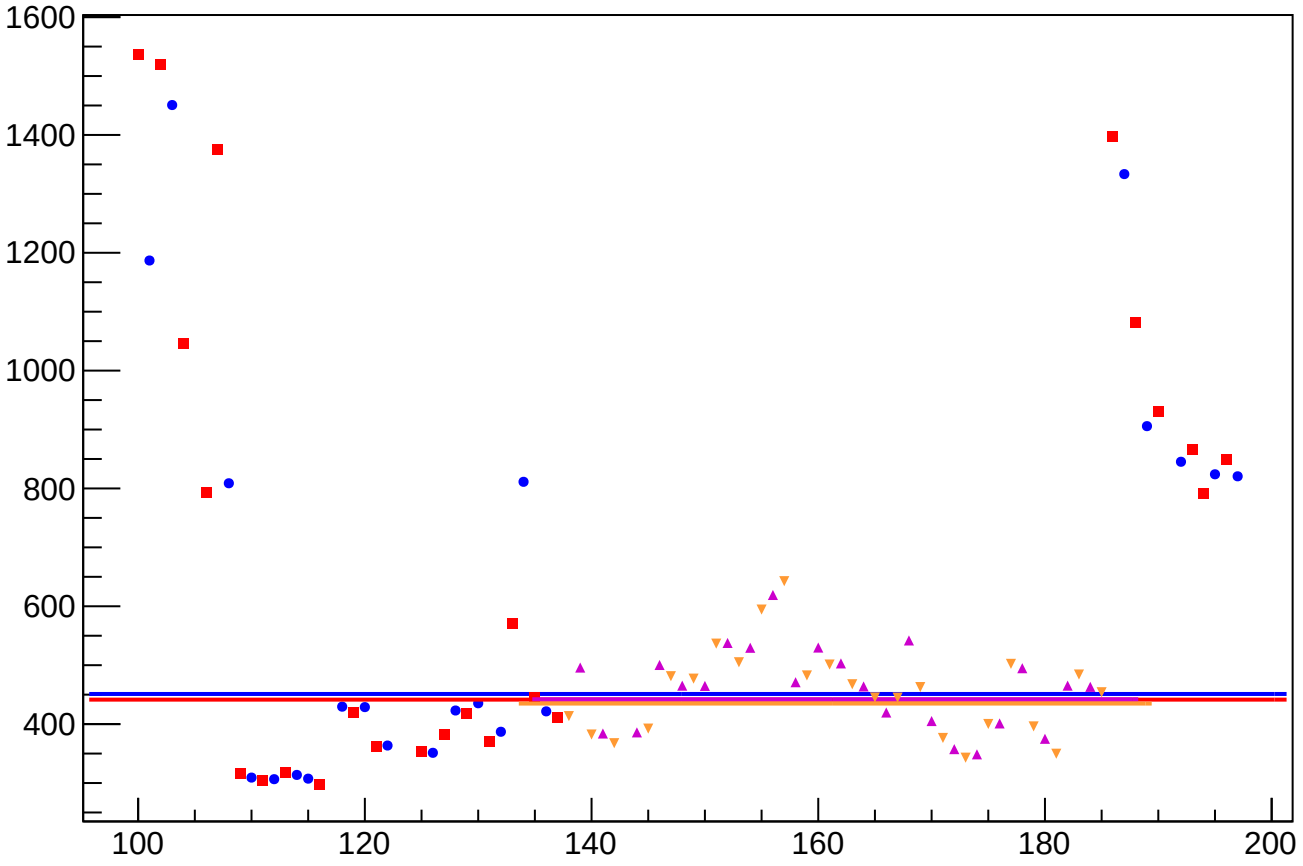
Right Out: -218.175+/-147.505 χ^2/NDF: 22.2/23

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -243.588+/-85.107 χ^2/NDF: 78.7/44

All: -158.458+/-60.282 χ^2/NDF: 136.2/91

- sign -72.749+/-85.396 χ^2/NDF: 55.5/46



Right In: 451.151+/-0.108 χ^2/NDF: 3526202.3/20

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 441.545+/-0.104 χ^2/NDF: 4305432.9/23

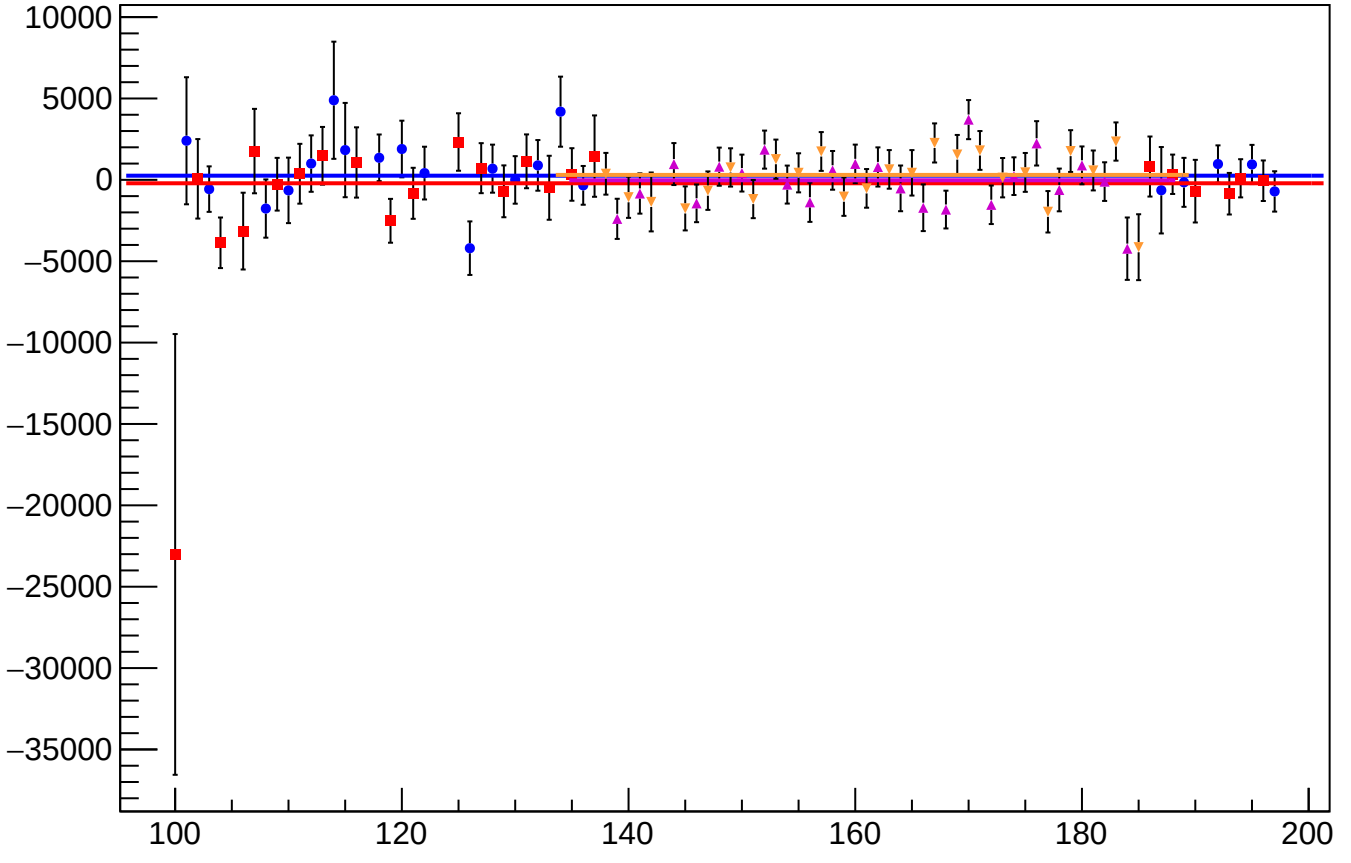
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 439.939+/-0.060 χ^2/NDF: 4420445.6/44

All: 440.959+/-0.043 χ^2/NDF: 9552327.1/91

- sign 441.987+/-0.060 χ^2/NDF: 5131304.4/46

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 256.073+/-349.647 χ^2/NDF: 18.5/20

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -210.171+/-340.591 χ^2/NDF: 19.6/23

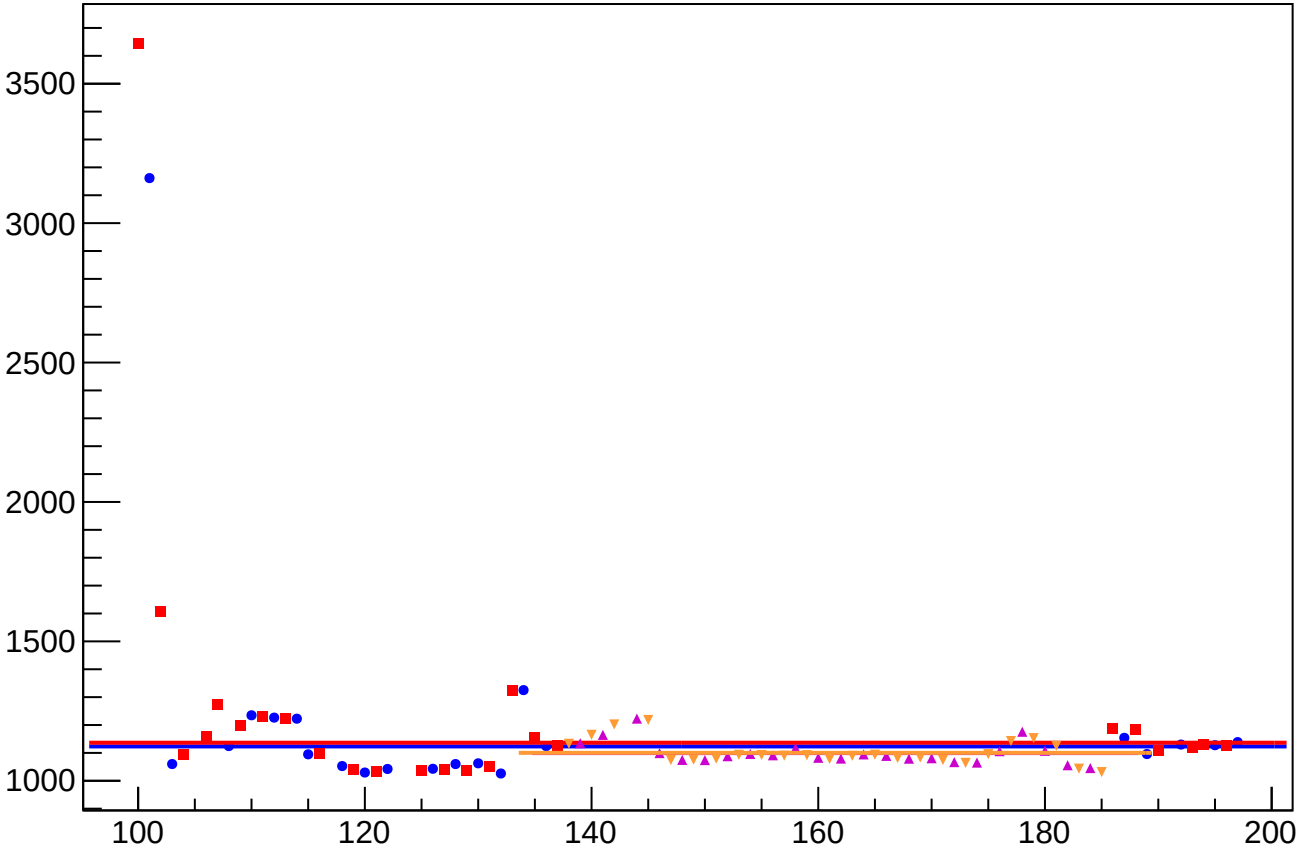
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 286.923+/-206.321 χ^2/NDF: 47.0/44

All: 96.148+/-145.451 χ^2/NDF: 104.4/91

- sign -92.339+/-205.081 χ^2/NDF: 55.7/46

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1123.210+/-0.247 χ^2/NDF: 618404.5/20

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

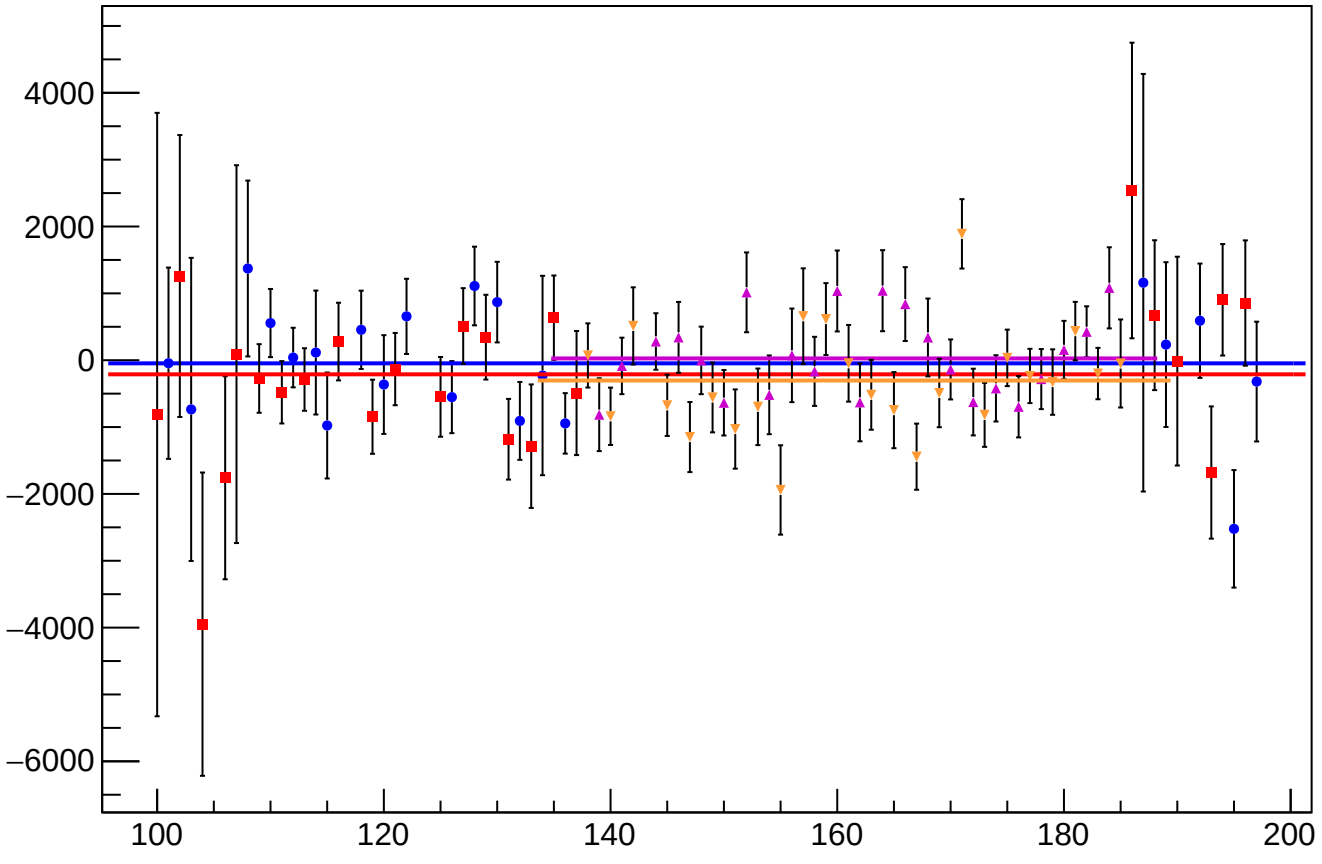
Right Out: 1136.587+/-0.241 χ^2/NDF: 233096.2/23

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

\+ sign 1108.250+/-0.146 χ^2/NDF: 672795.6/44

All: 1110.561+/-0.103 χ^2/NDF: 966421.8/91

\- sign 1112.845+/-0.145 χ^2/NDF: 293127.0/46



Right In: -46.649+/-152.773 χ^2/NDF: 28.6/20

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -211.070+/-149.654 χ^2/NDF: 22.7/23

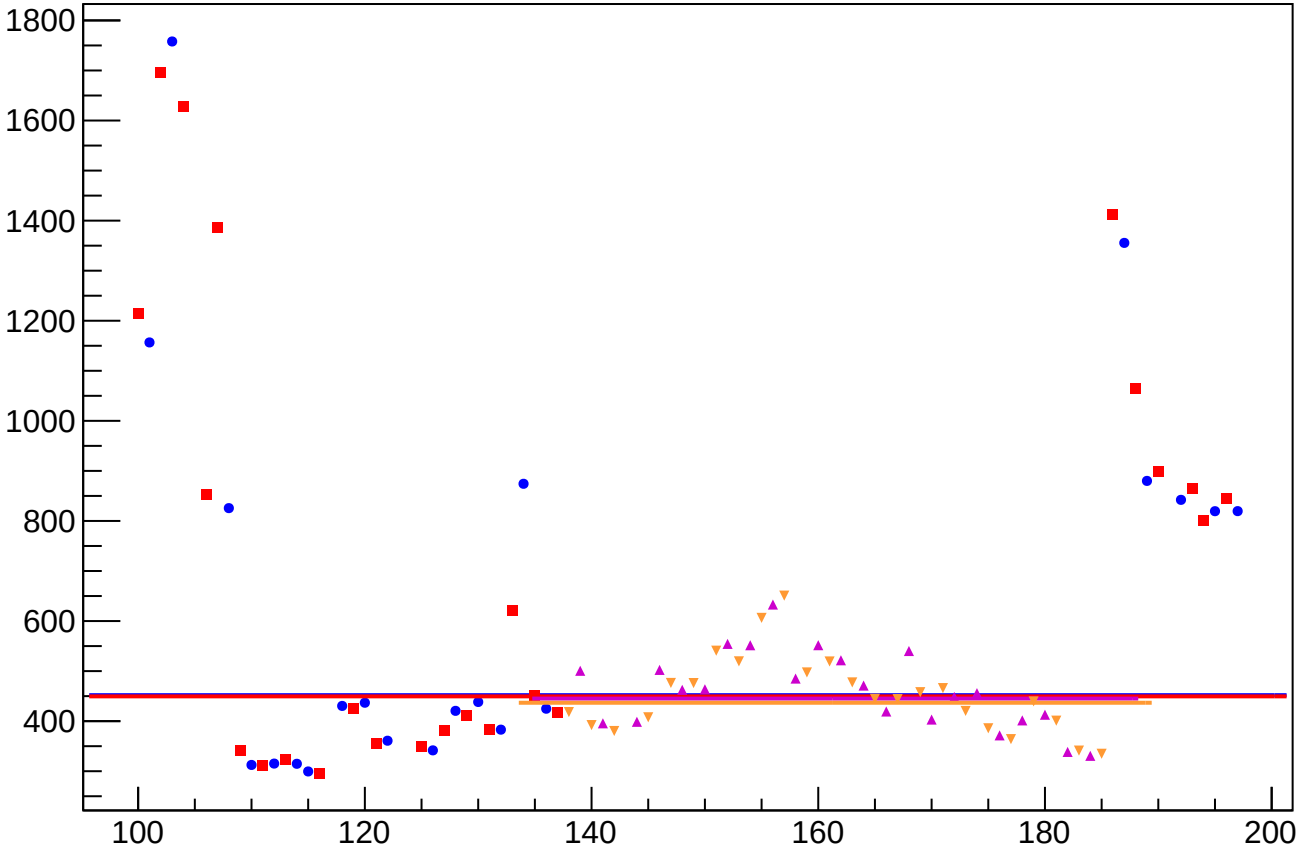
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -223.061+/-85.391 χ^2/NDF: 80.0/44

All: -138.385+/-60.659 χ^2/NDF: 134.3/91

- sign -52.130+/-86.184 χ^2/NDF: 52.3/46

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 451.911+/-0.108 χ^2/NDF: 3619498.2/20

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 449.545+/-0.106 χ^2/NDF: 4664955.1/23

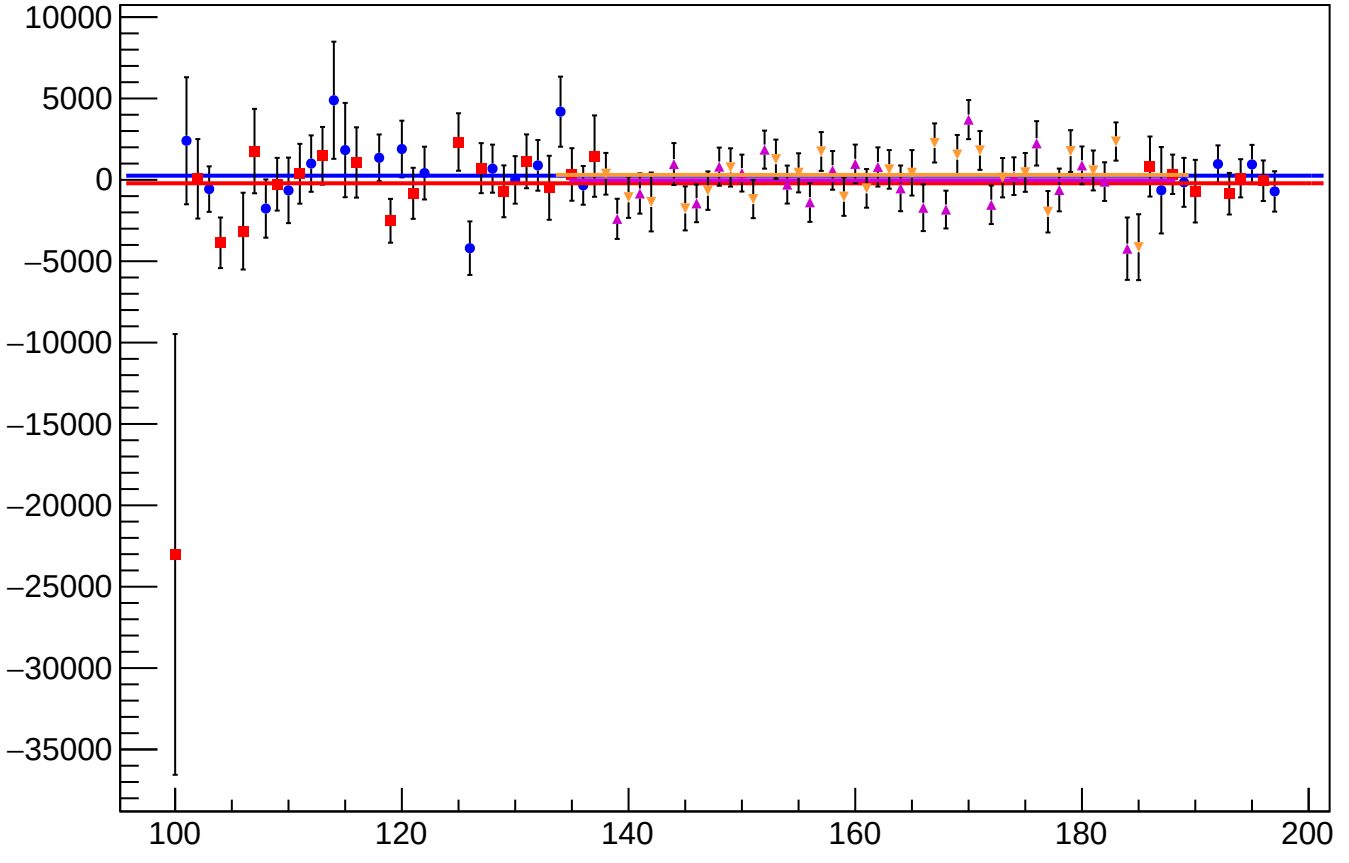
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 441.512+/-0.060 χ^2/NDF: 4488180.9/44

All: 444.023+/-0.043 χ^2/NDF: 10032335.4/91

- sign 446.580+/-0.061 χ^2/NDF: 5540664.4/46

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 256.076+/-349.647 χ^2/NDF: 18.5/20

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -210.171+/-340.591 χ^2/NDF: 19.6/23

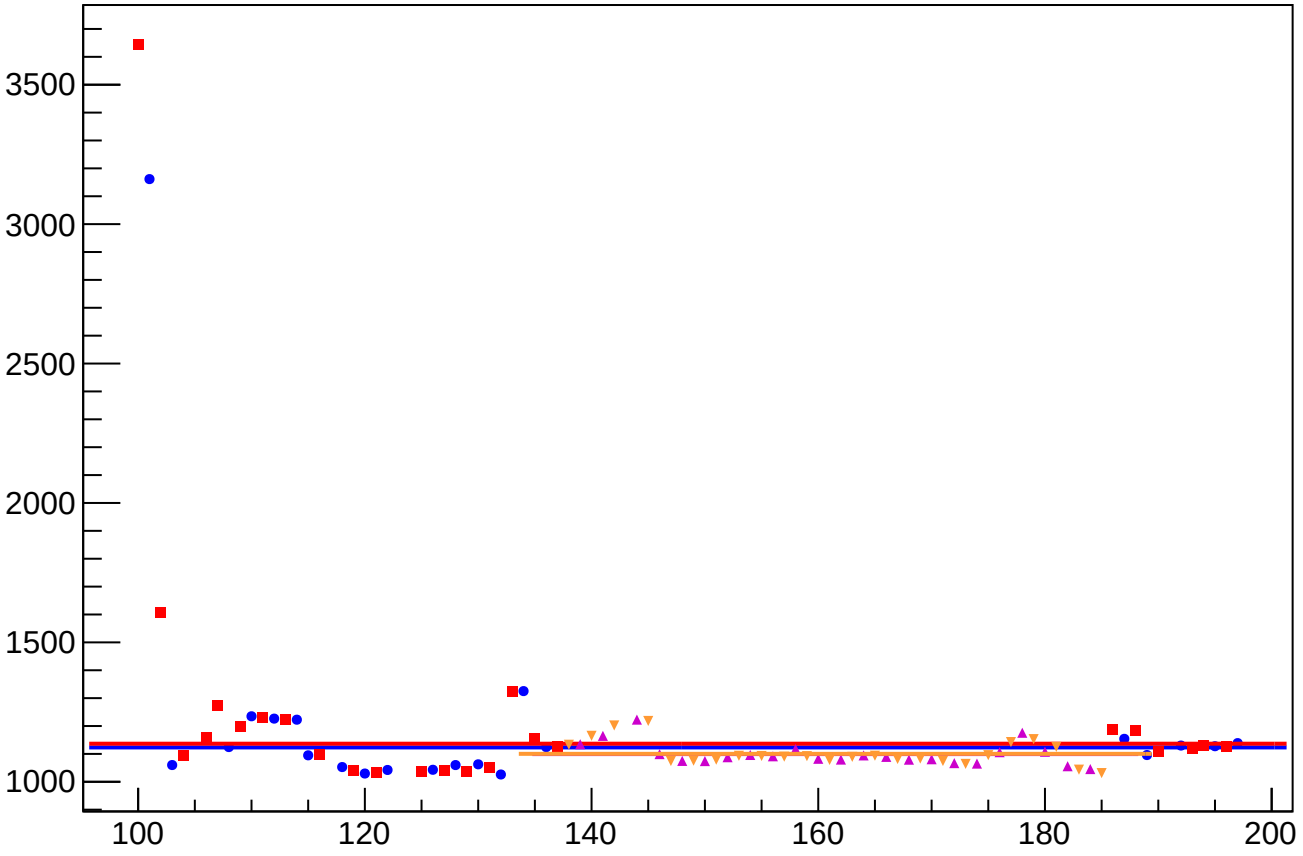
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 286.923+/-206.321 χ^2/NDF: 47.0/44

All: 96.148+/-145.451 χ^2/NDF: 104.4/91

- sign -92.340+/-205.081 χ^2/NDF: 55.7/46

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1123.210+/-0.247 χ^2/NDF: 618404.5/20

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

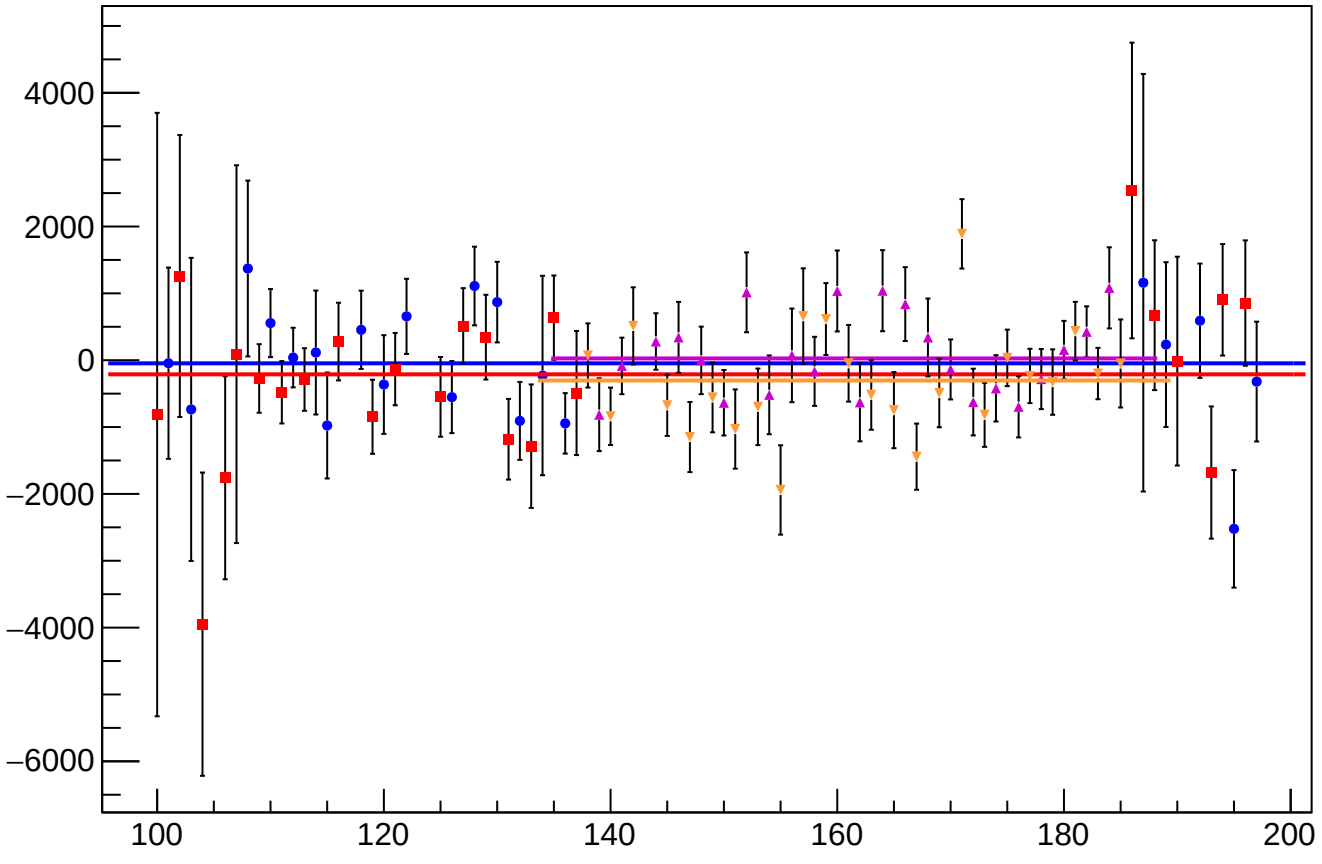
Right Out: 1136.587+/-0.241 χ^2/NDF: 233096.2/23

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1108.250+/-0.146 χ^2/NDF: 672795.9/44

All: 1110.561+/-0.103 χ^2/NDF: 966422.2/91

- sign 1112.845+/-0.145 χ^2/NDF: 293127.2/46



Right In: -46.651+/-152.772 χ^2/NDF: 28.6/20

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

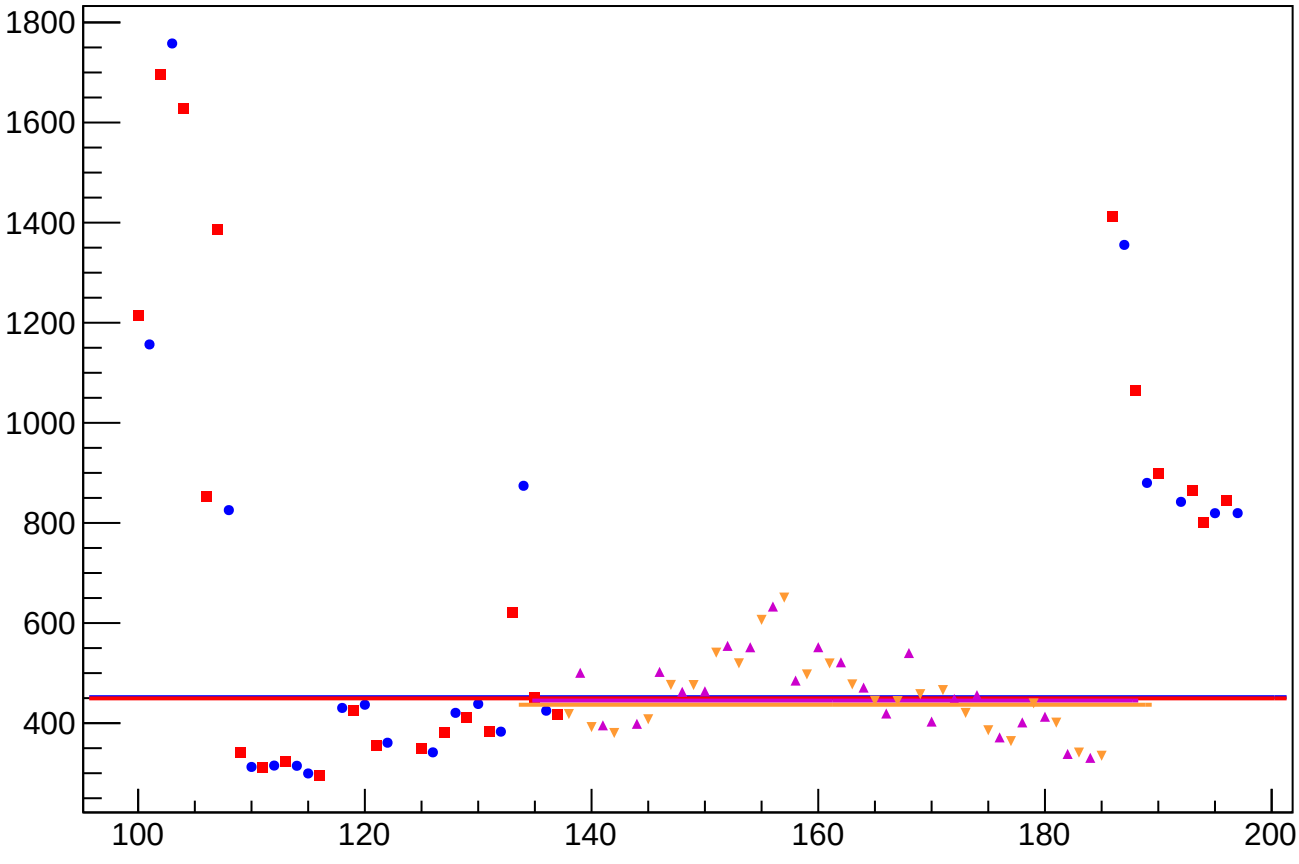
Right Out: -211.069+/-149.653 χ^2/NDF: 22.7/23

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -223.062+/-85.391 χ^2/NDF: 80.0/44

All: -138.386+/-60.659 χ^2/NDF: 134.3/91

- sign -52.130+/-86.184 χ^2/NDF: 52.3/46



Right In: 451.907+/-0.108 χ^2/NDF: 3619513.9/20

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 449.541+/-0.106 χ^2/NDF: 4664984.7/23

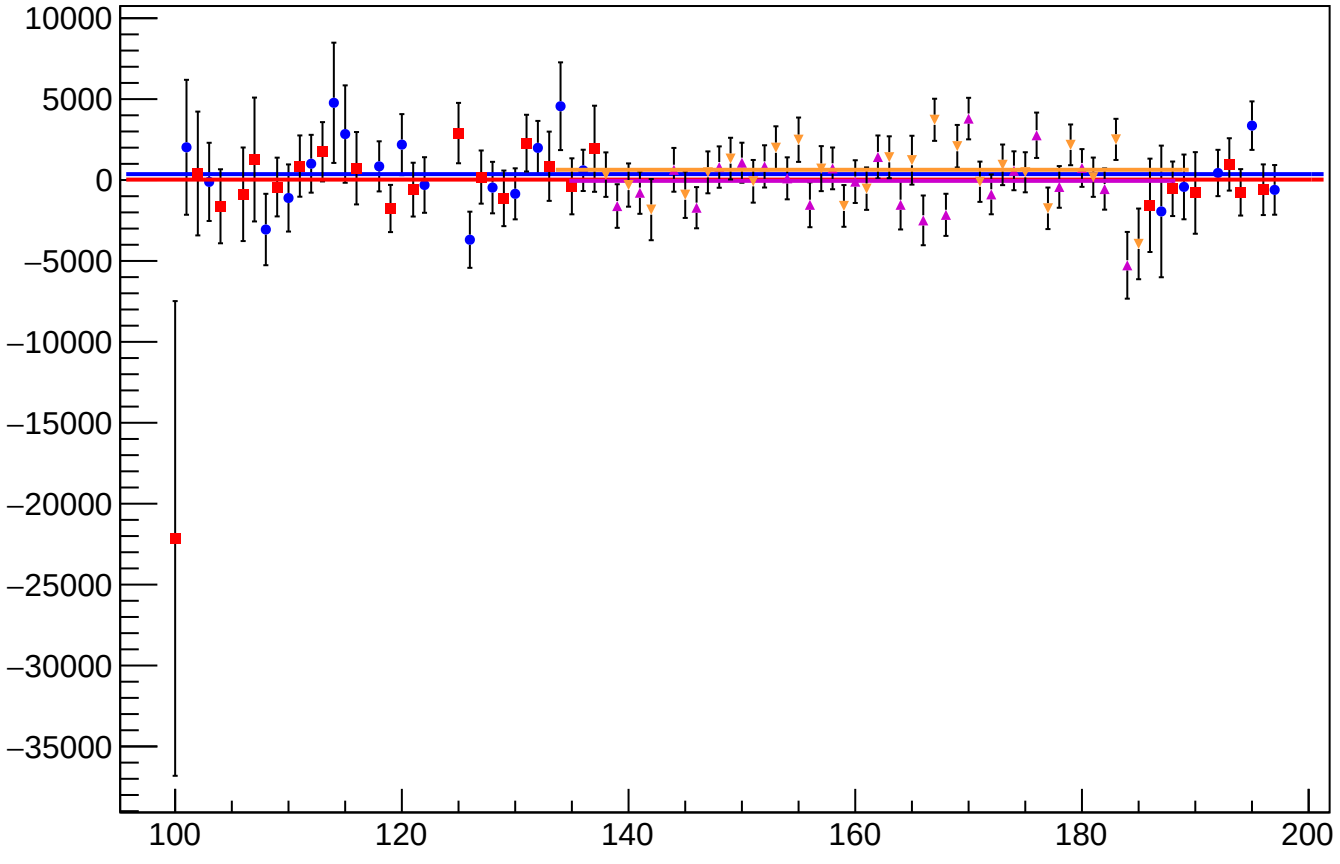
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 441.511+/-0.060 χ^2/NDF: 4488221.7/44

All: 444.021+/-0.043 χ^2/NDF: 10032437.9/91

- sign 446.579+/-0.061 χ^2/NDF: 5540726.4/46

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 364.370+/-404.607 χ^2/NDF: 21.1/20

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 26.870+/-398.859 χ^2/NDF: 12.4/23

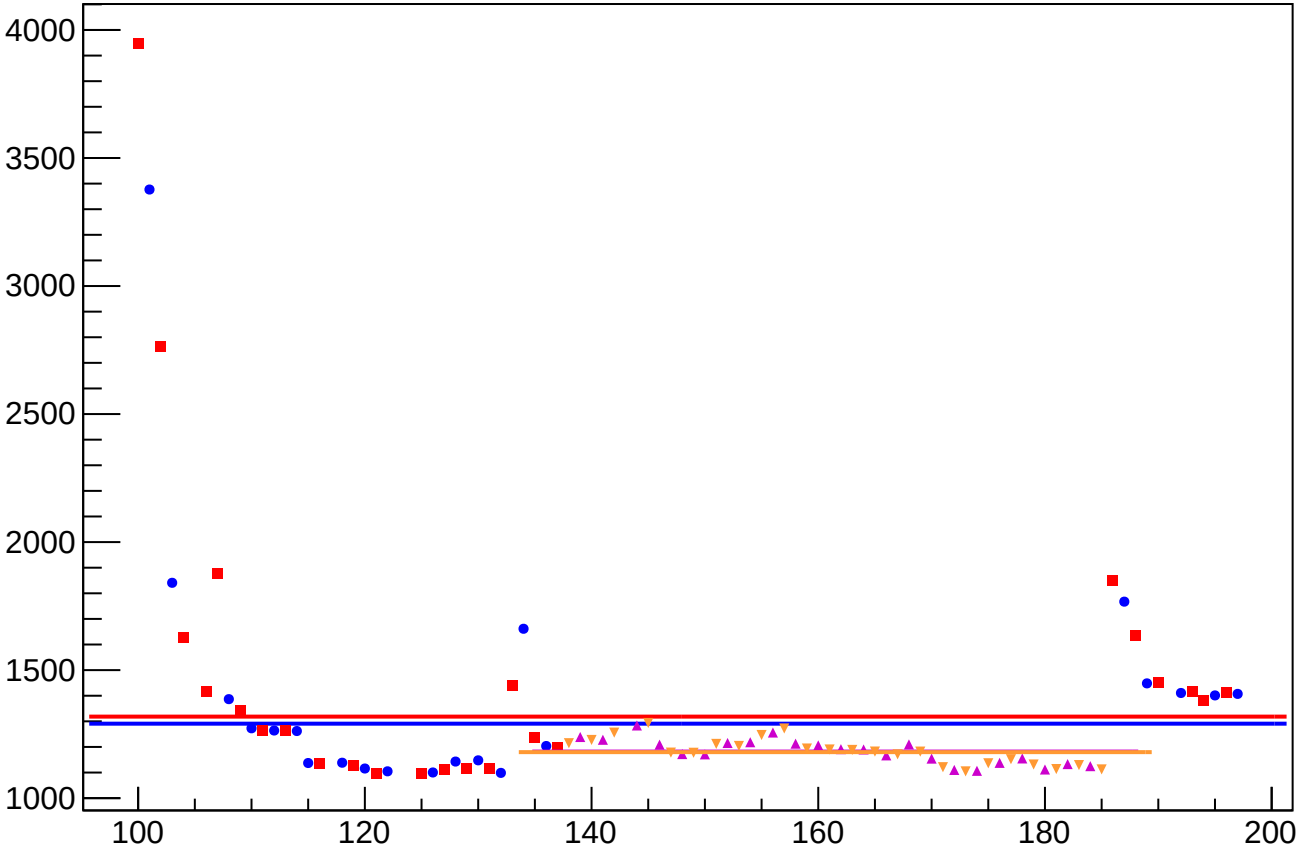
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 548.428+/-226.907 χ^2/NDF: 51.5/44

All: 261.607+/-160.508 χ^2/NDF: 102.2/91

- sign -25.649+/-227.079 χ^2/NDF: 47.5/46

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1290.853+/-0.286 χ^2/NDF: 881732.8/20

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

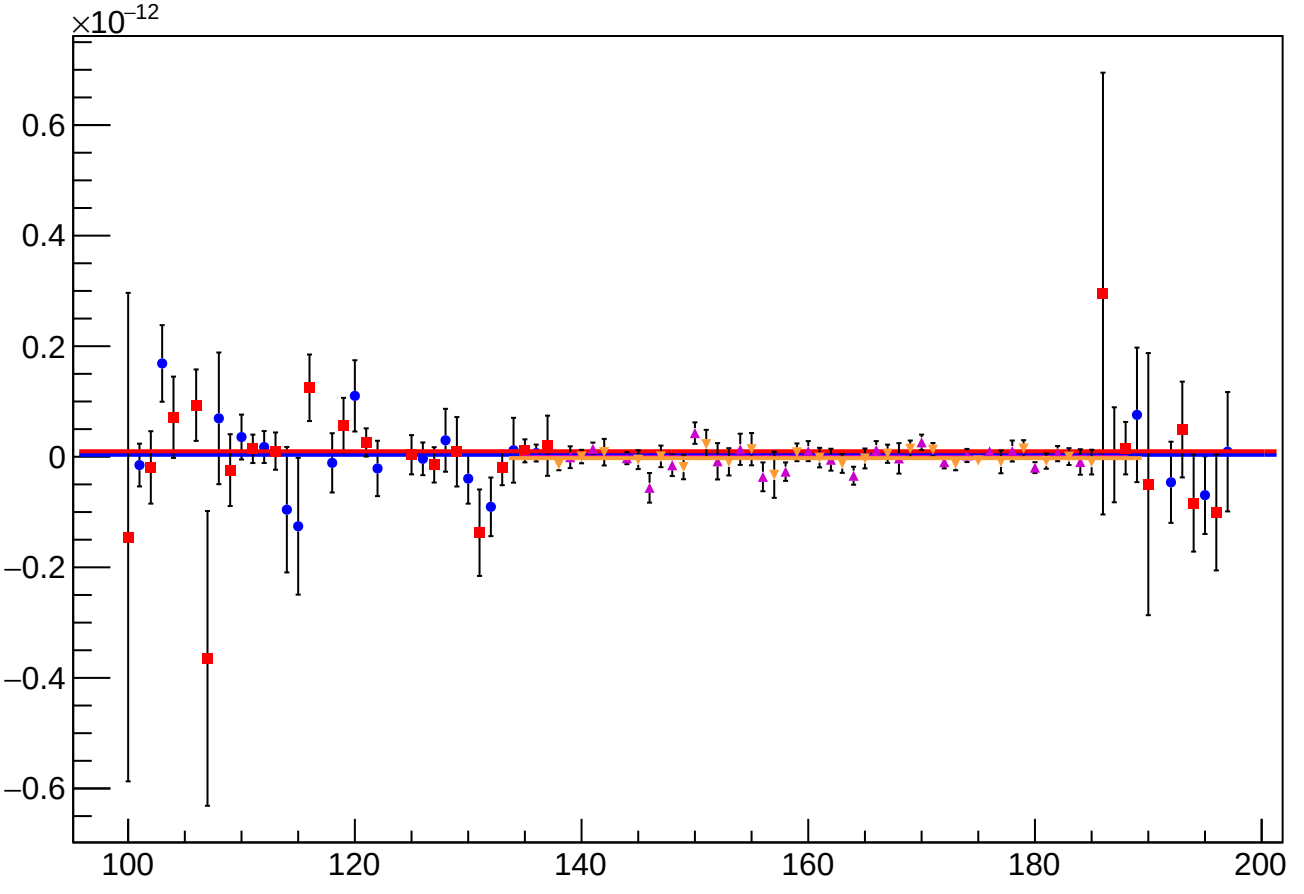
Right Out: 1318.437+/-0.282 χ^2/NDF: 810543.0/23

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1214.667+/-0.160 χ^2/NDF: 1049845.2/44

All: 1220.417+/-0.113 χ^2/NDF: 2081647.9/91

\- sign 1226.175+/-0.161 χ^2/NDF: 1029232.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

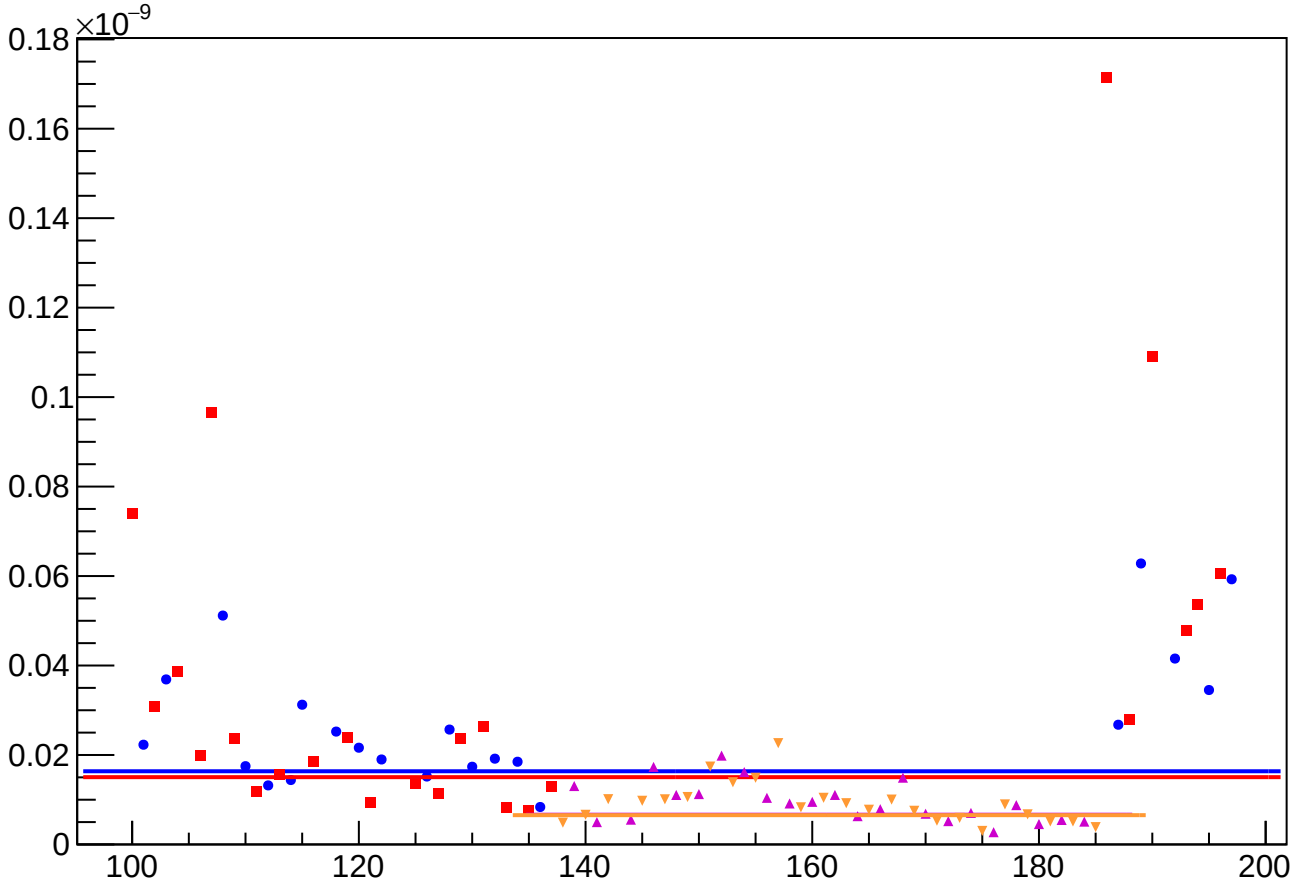
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/23

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.2/44

All: -0.000+/-0.000 χ^2/NDF: 81.3/91

- sign 0.000+/-0.000 χ^2/NDF: 51.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 2138261.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

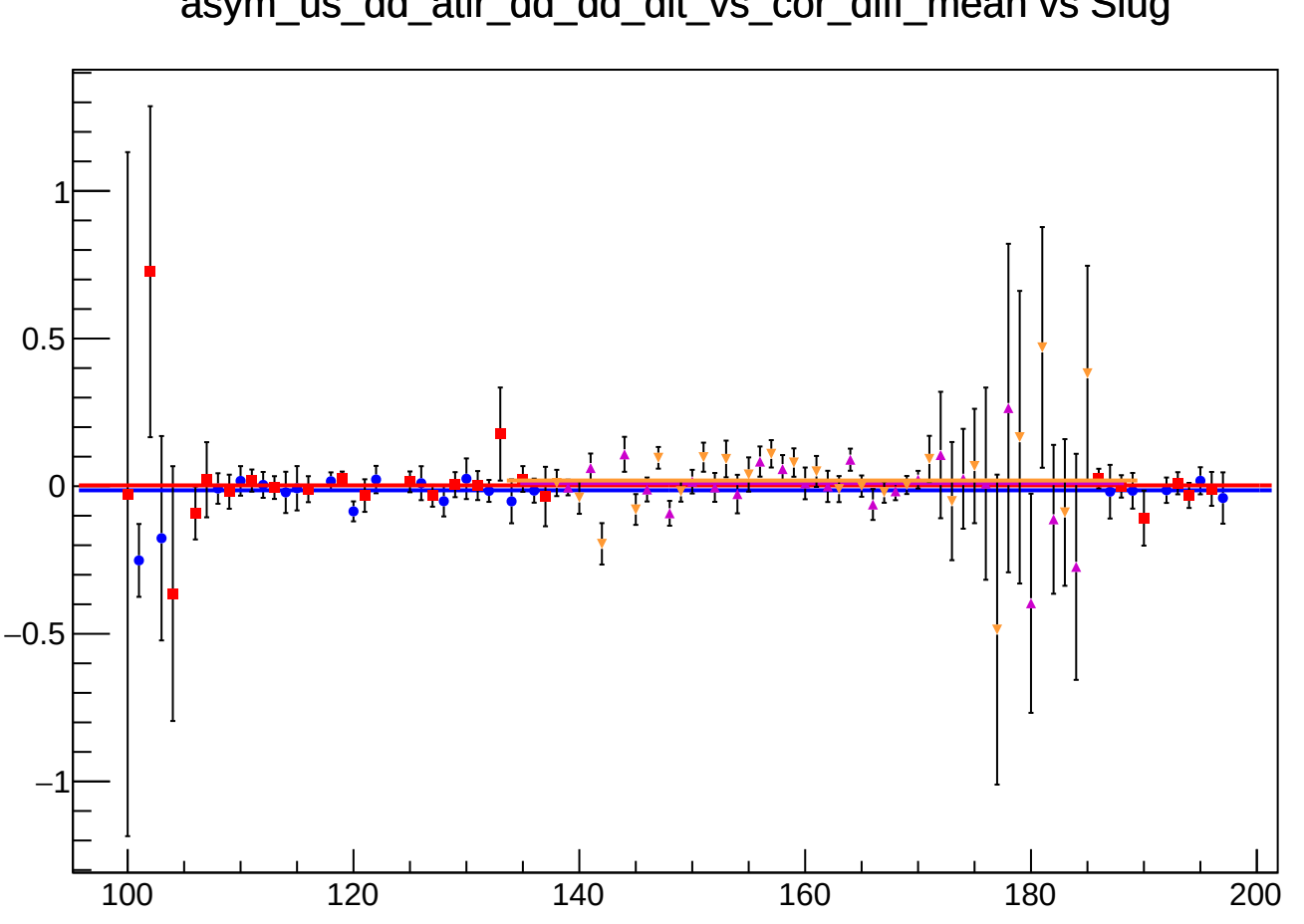
Right Out: 0.000+/-0.000 χ^2/NDF: 3084814.1/23

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6462547.7/44

All: 0.000+/-0.000 χ^2/NDF: 13632978.3/91

- sign 0.000+/-0.000 χ^2/NDF: 7170207.6/46



Right In: -0.014+/-0.011 χ^2/NDF: 12.5/20

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/23

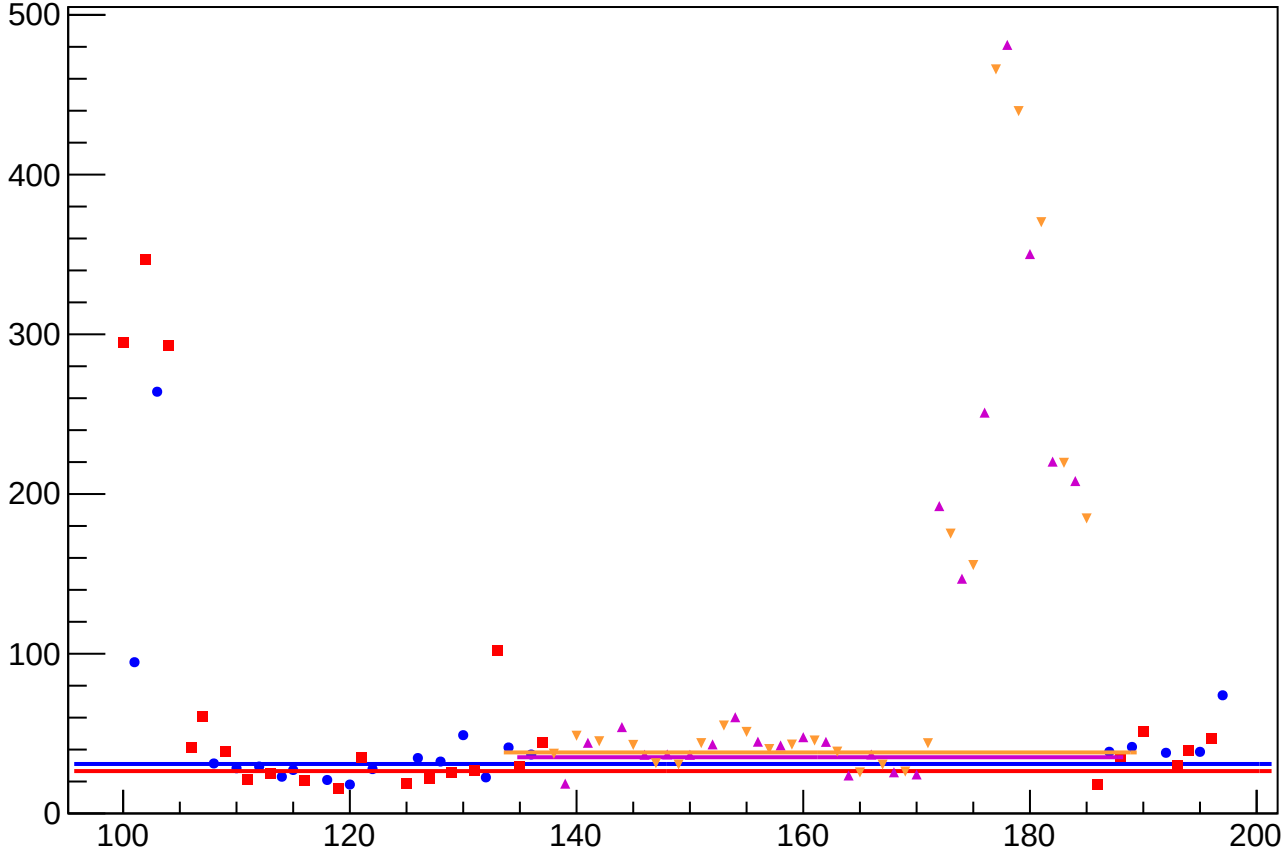
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 53.1/44

All: 0.005+/-0.005 χ^2/NDF: 87.6/91

- sign 0.006+/-0.007 χ^2/NDF: 34.4/46

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.978+/-0.008 χ^2/NDF: 3007043.0/20

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

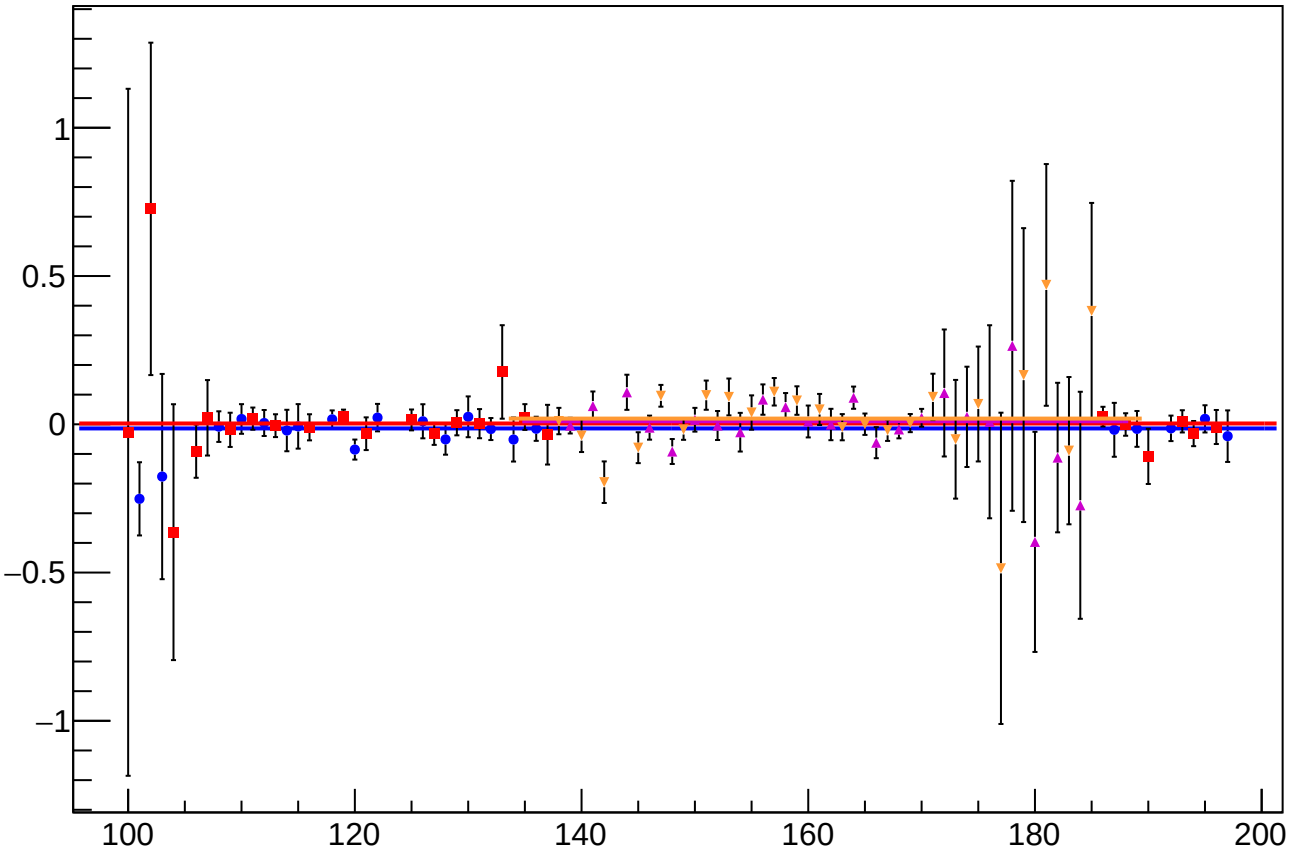
Right Out: 26.528+/-0.007 χ^2/NDF: 3850782.9/23

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.684+/-0.005 χ^2/NDF: 11728839.3/44

All: 32.413+/-0.004 χ^2/NDF: 26047616.0/91

- sign 30.555+/-0.005 χ^2/NDF: 14005373.5/46



Right In: -0.014+/-0.011 χ^2/NDF: 12.5/20

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

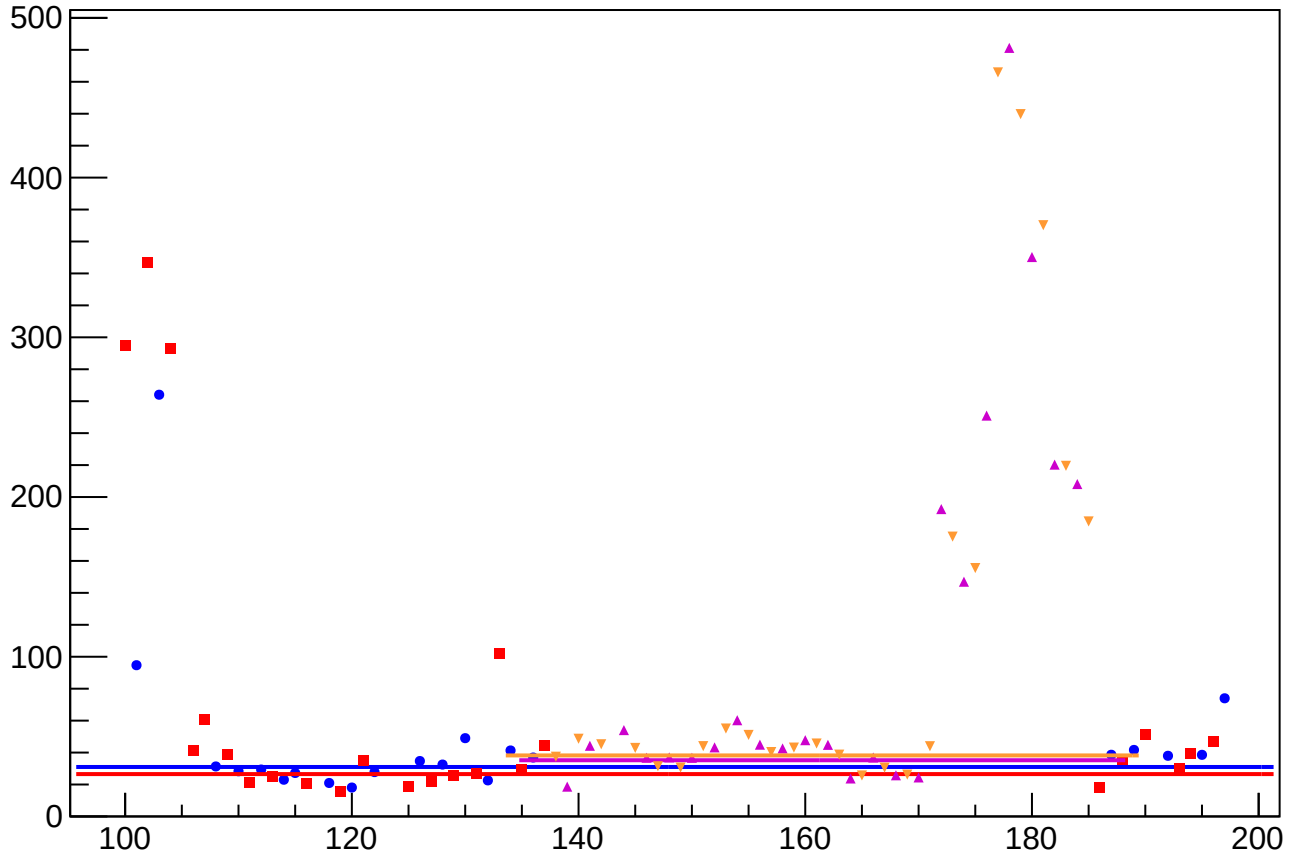
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/23

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 53.1/44

All: 0.005+/-0.005 χ^2/NDF: 87.6/91

- sign 0.006+/-0.007 χ^2/NDF: 34.4/46



Right In: 30.978+/-0.008 χ^2/NDF: 3007043.0/20

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

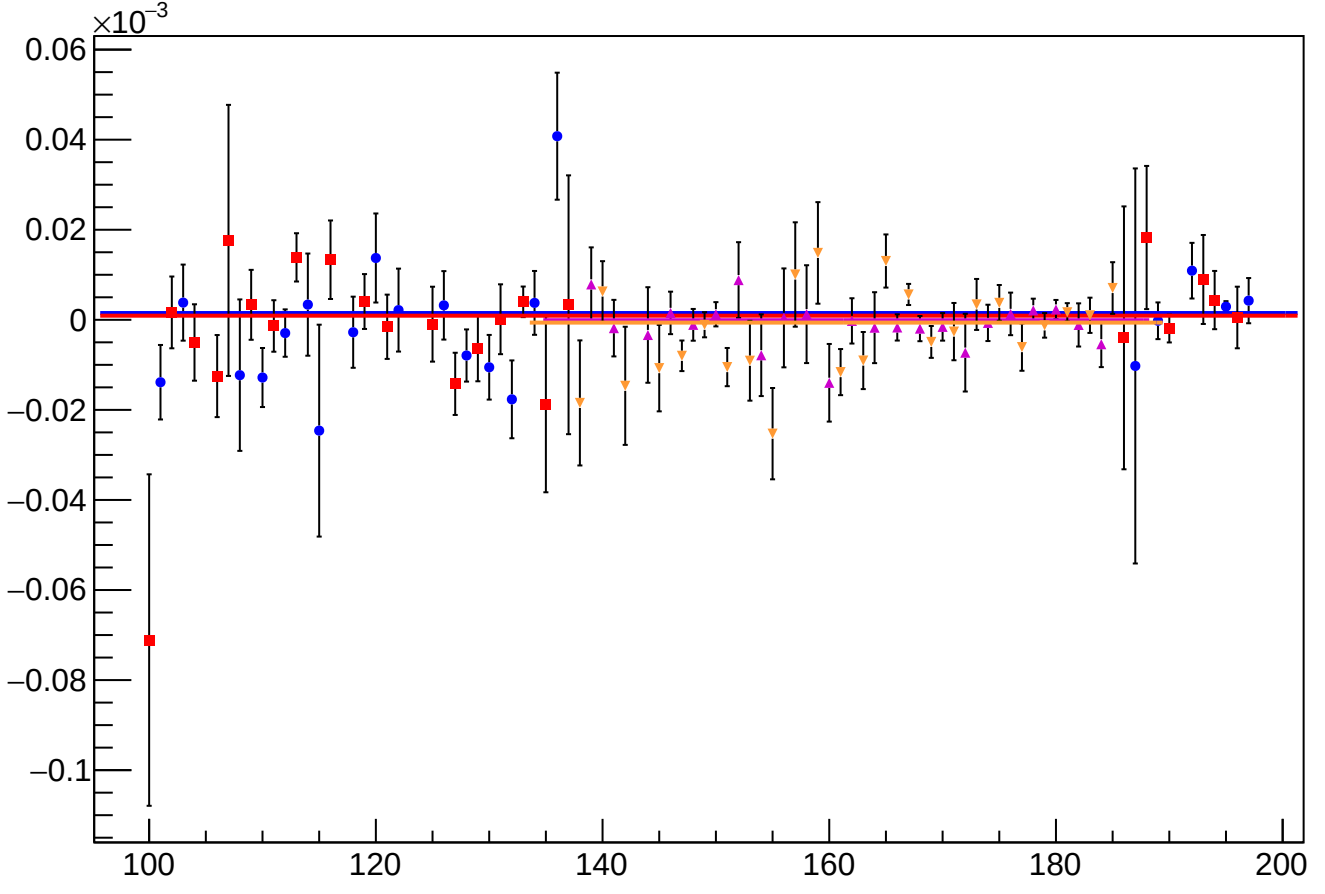
Right Out: 26.528+/-0.007 χ^2/NDF: 3850782.9/23

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.684+/-0.005 χ^2/NDF: 11728839.3/44

All: 32.413+/-0.004 χ^2/NDF: 26047616.0/91

- sign 30.555+/-0.005 χ^2/NDF: 14005373.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

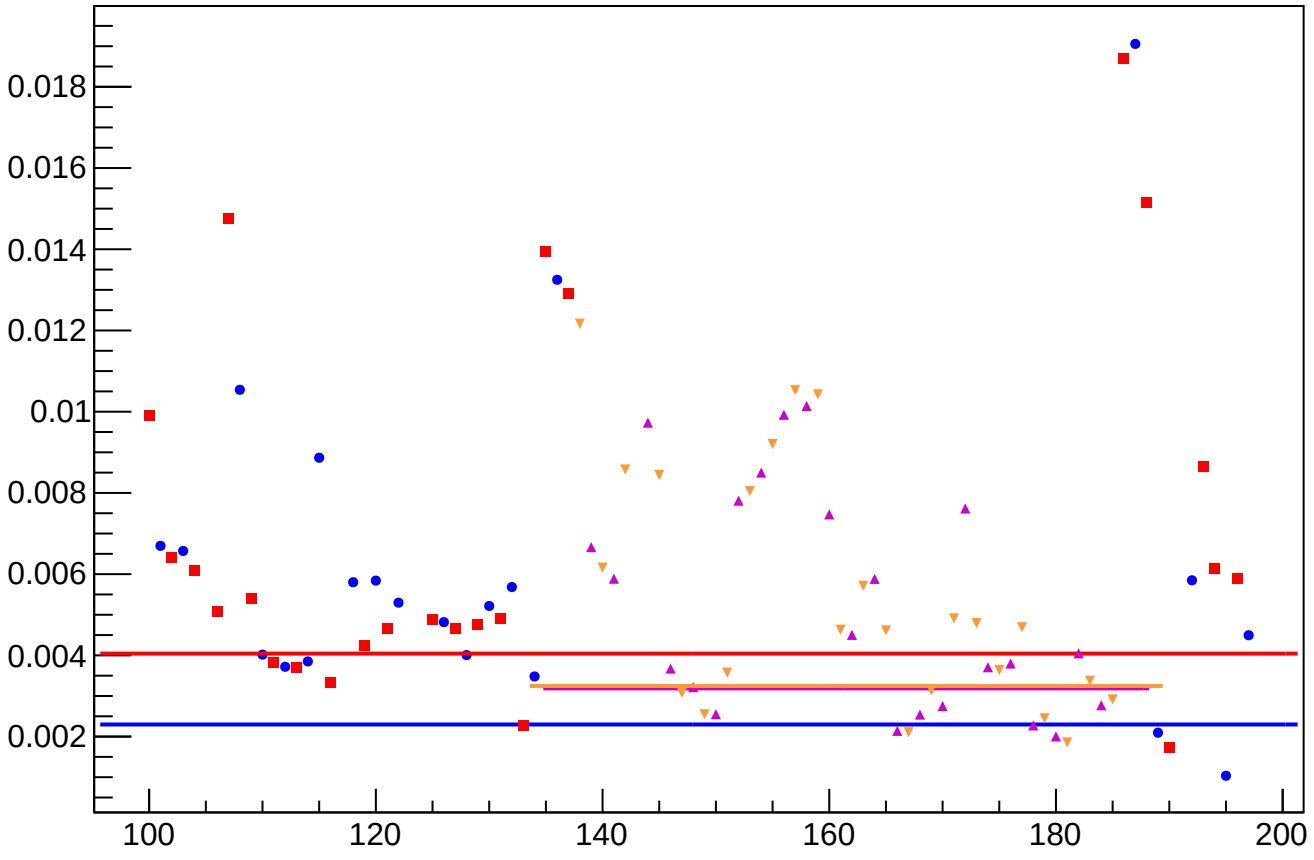
Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/23

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.1/44

All: 0.000+/-0.000 χ^2/NDF: 126.5/91

- sign 0.000+/-0.000 χ^2/NDF: 37.4/46



Right In: 0.002+/-0.000 χ^2/NDF: 8672621.2/20

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

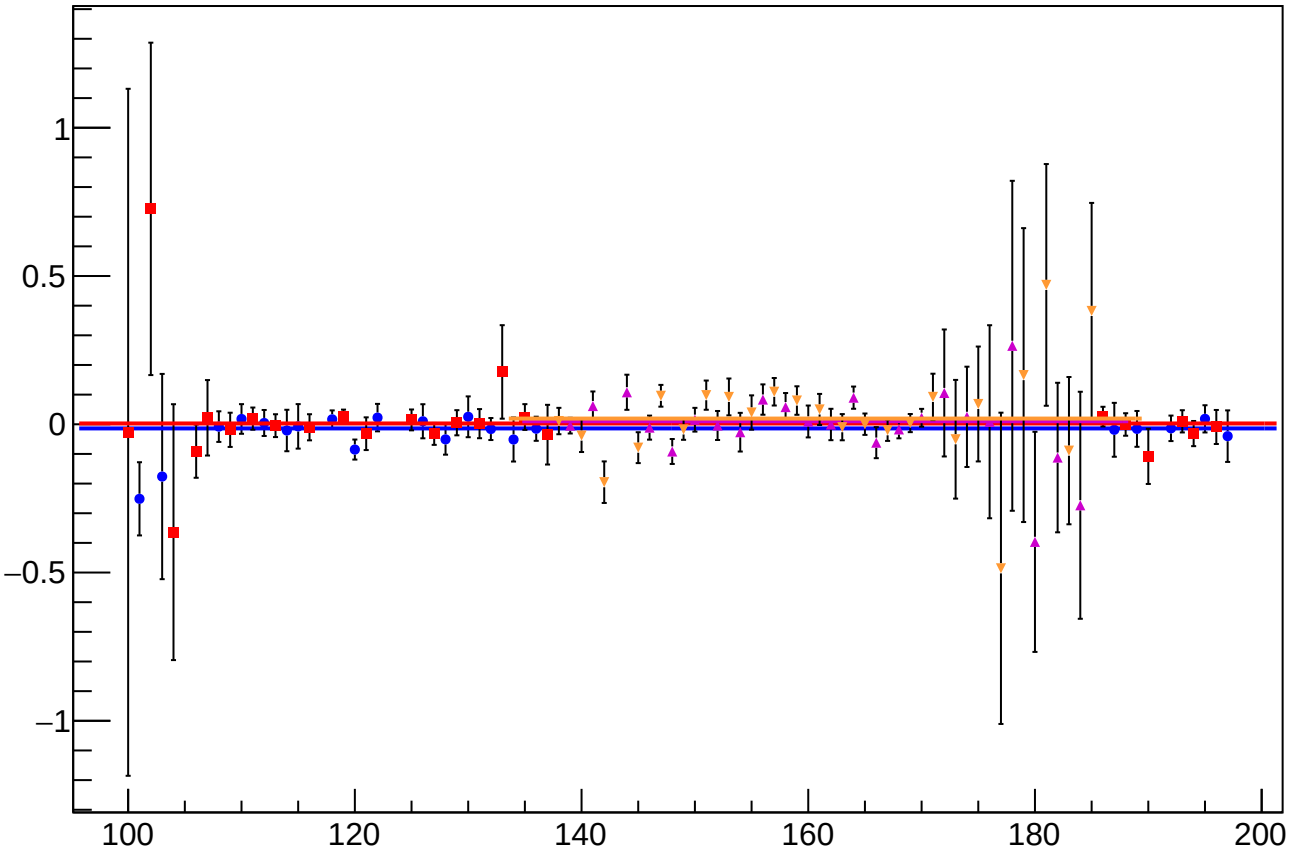
Right Out: 0.004+/-0.000 χ^2/NDF: 5437765.5/23

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

\+ sign 0.003+/-0.000 χ^2/NDF: 17463304.2/44

All: 0.003+/-0.000 χ^2/NDF: 31479264.4/91

\- sign 0.003+/-0.000 χ^2/NDF: 13283753.7/46



Right In: -0.014+/-0.011 χ^2/NDF: 12.5/20

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

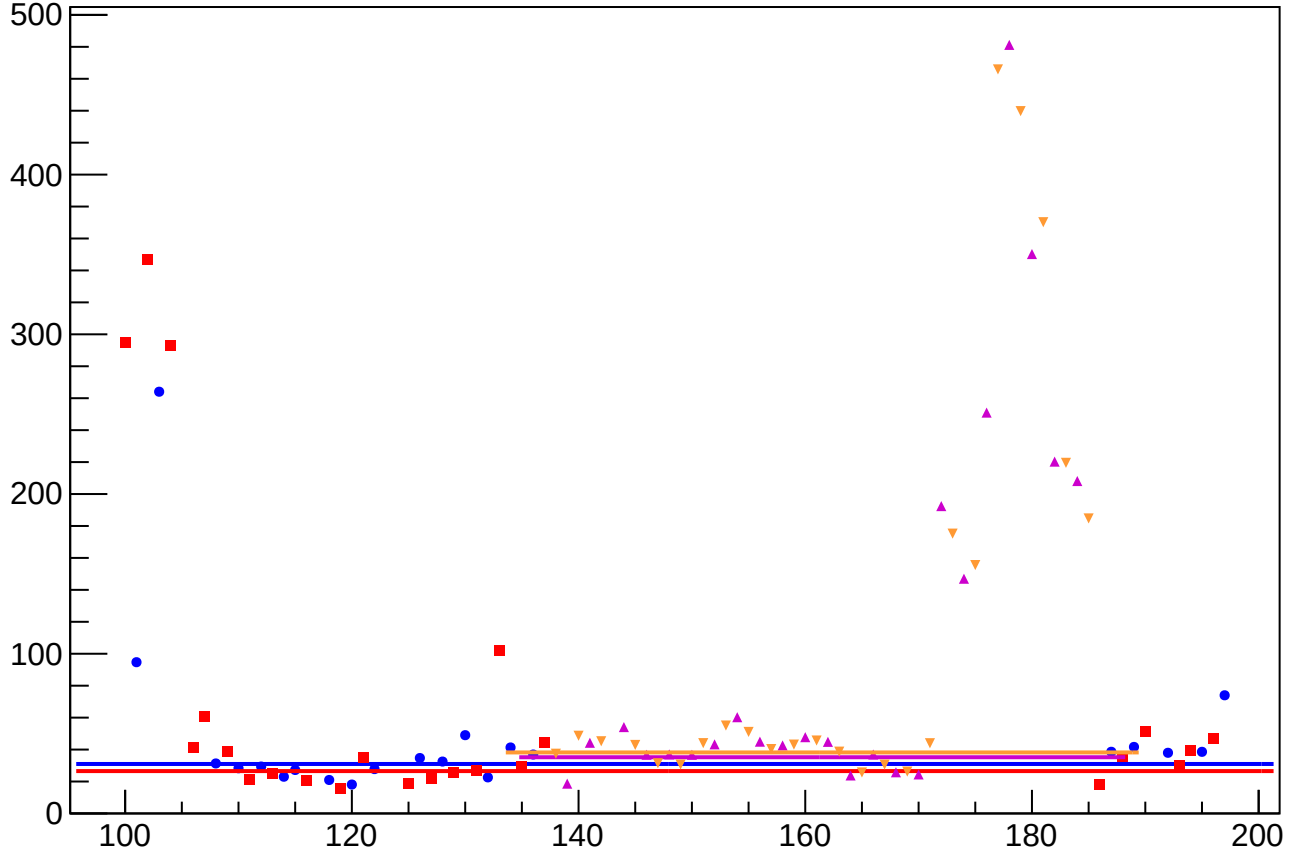
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/23

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 53.1/44

All: 0.005+/-0.005 χ^2/NDF: 87.6/91

- sign 0.006+/-0.007 χ^2/NDF: 34.4/46



Right In: 30.978+/-0.008 χ^2/NDF: 3007066.4/20

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

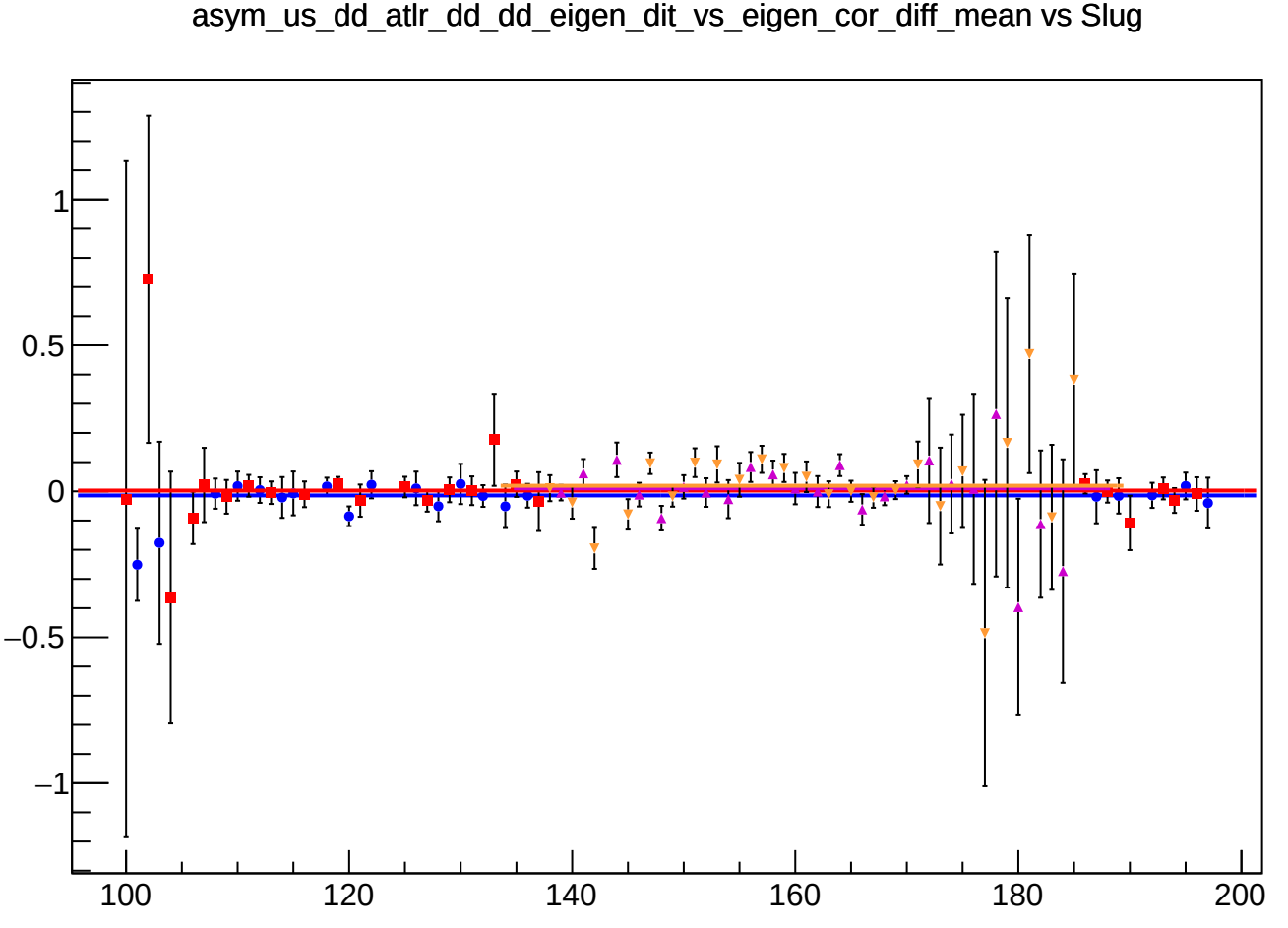
Right Out: 26.525+/-0.007 χ^2/NDF: 3851066.5/23

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

\+ sign 34.684+/-0.005 χ^2/NDF: 11728996.3/44

All: 32.412+/-0.004 χ^2/NDF: 26049069.6/91

\- sign 30.554+/-0.005 χ^2/NDF: 14006452.6/46



Right In: -0.014+/-0.011 χ^2/NDF: 12.5/20

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

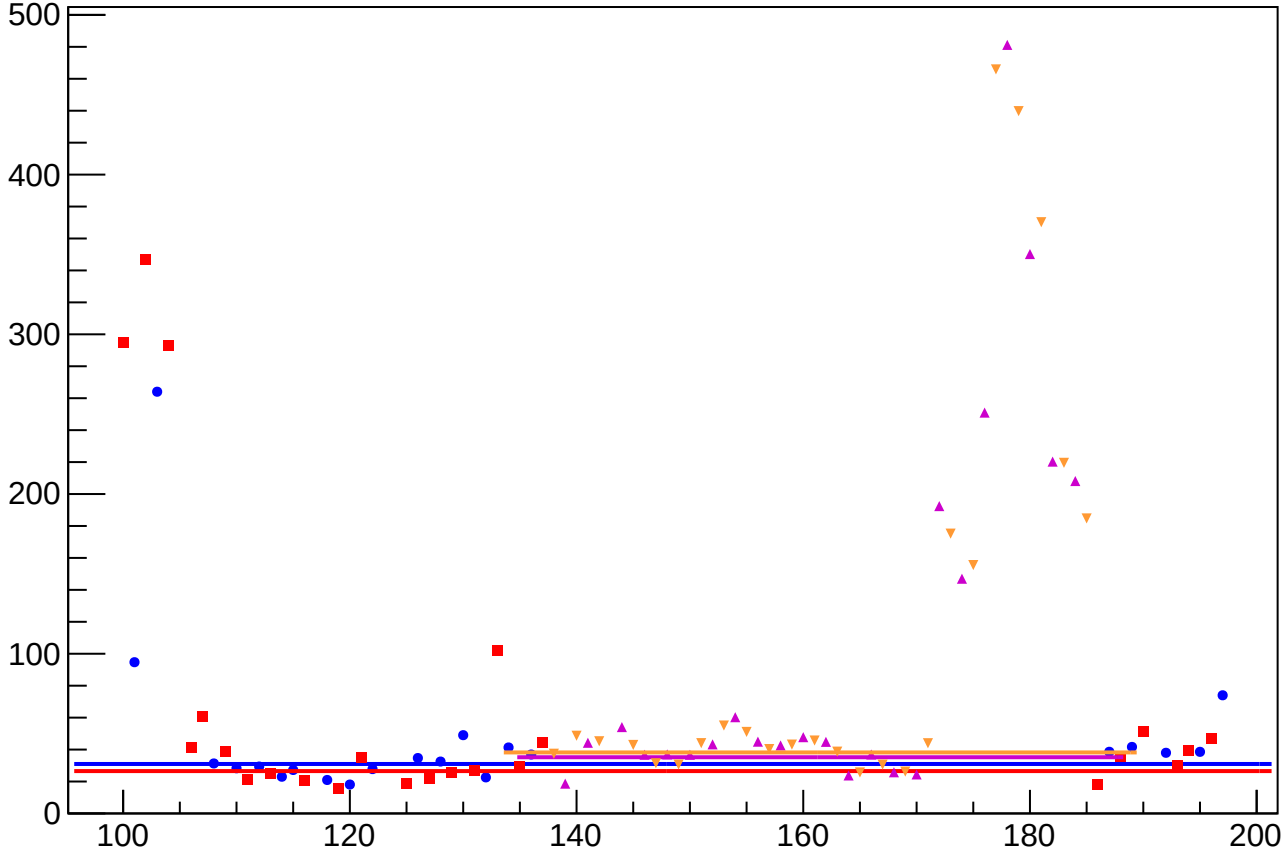
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/23

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 53.1/44

All: 0.005+/-0.005 χ^2/NDF: 87.6/91

- sign 0.006+/-0.007 χ^2/NDF: 34.4/46



Right In: 30.978+/-0.008 χ^2/NDF: 3007066.4/20

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

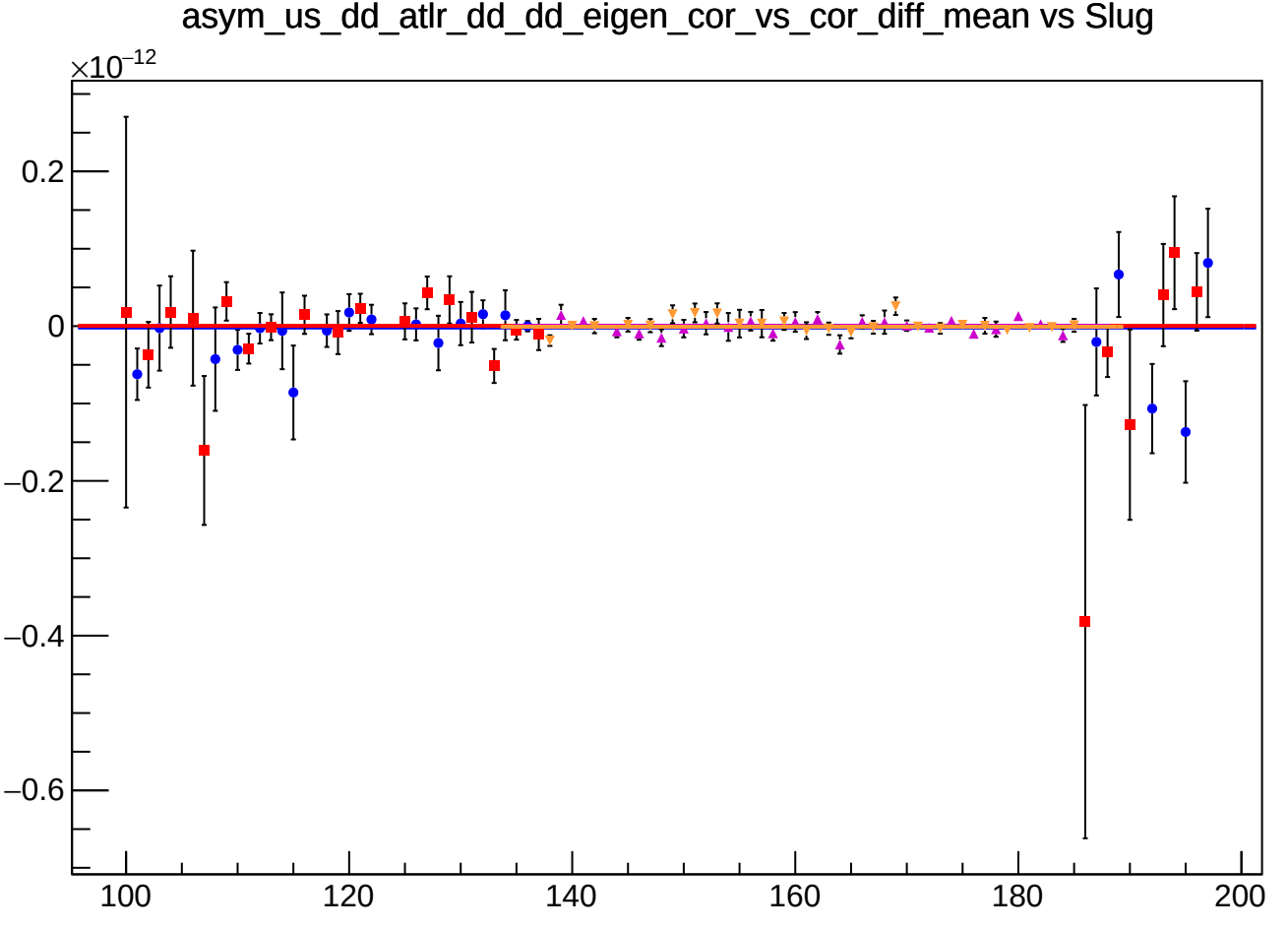
Right Out: 26.525+/-0.007 χ^2/NDF: 3851066.5/23

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.684+/-0.005 χ^2/NDF: 11728996.3/44

All: 32.412+/-0.004 χ^2/NDF: 26049069.6/91

- sign 30.554+/-0.005 χ^2/NDF: 14006452.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

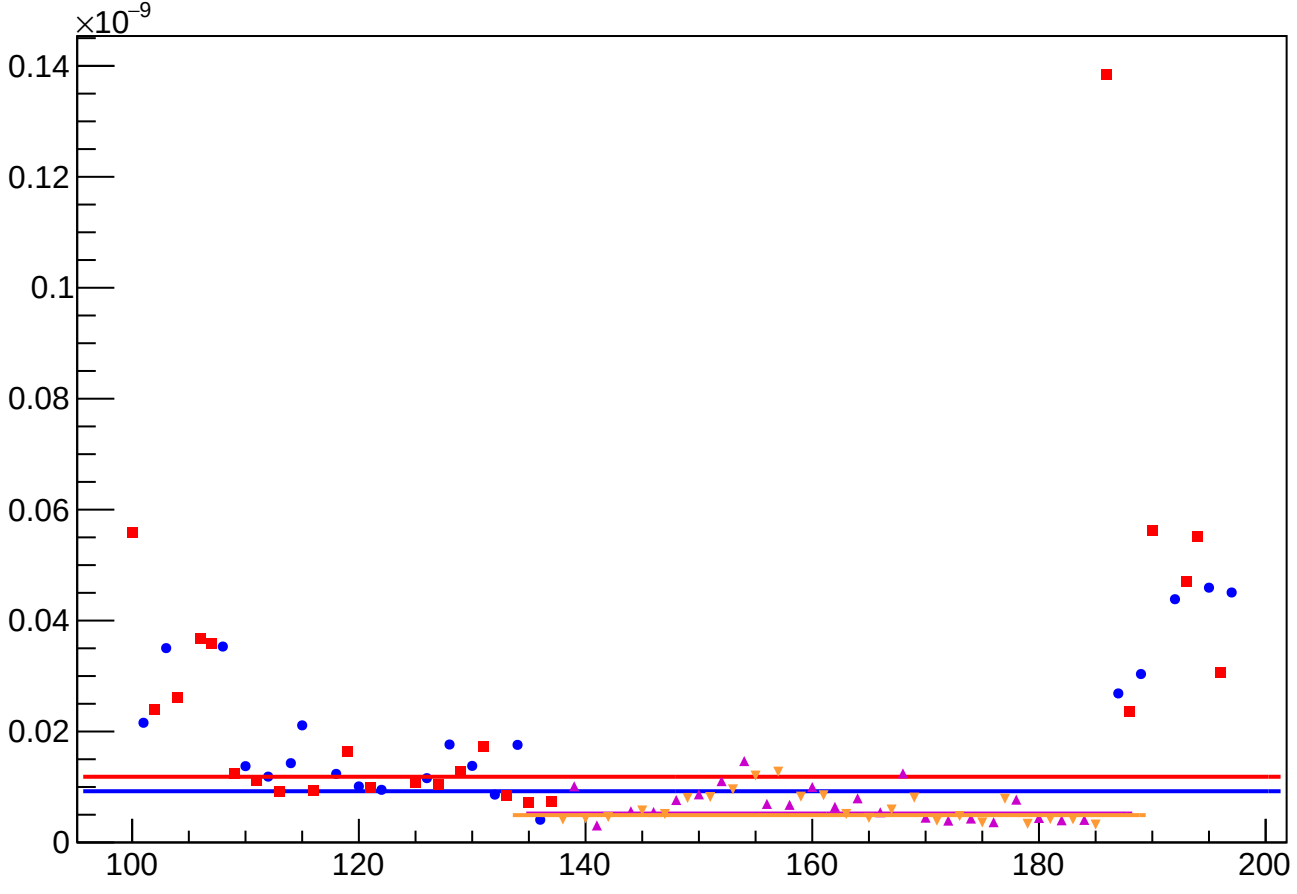
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/23

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/44

All: -0.000+/-0.000 χ^2/NDF: 95.7/91

- sign 0.000+/-0.000 χ^2/NDF: 54.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 5068008.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3810675.3/23

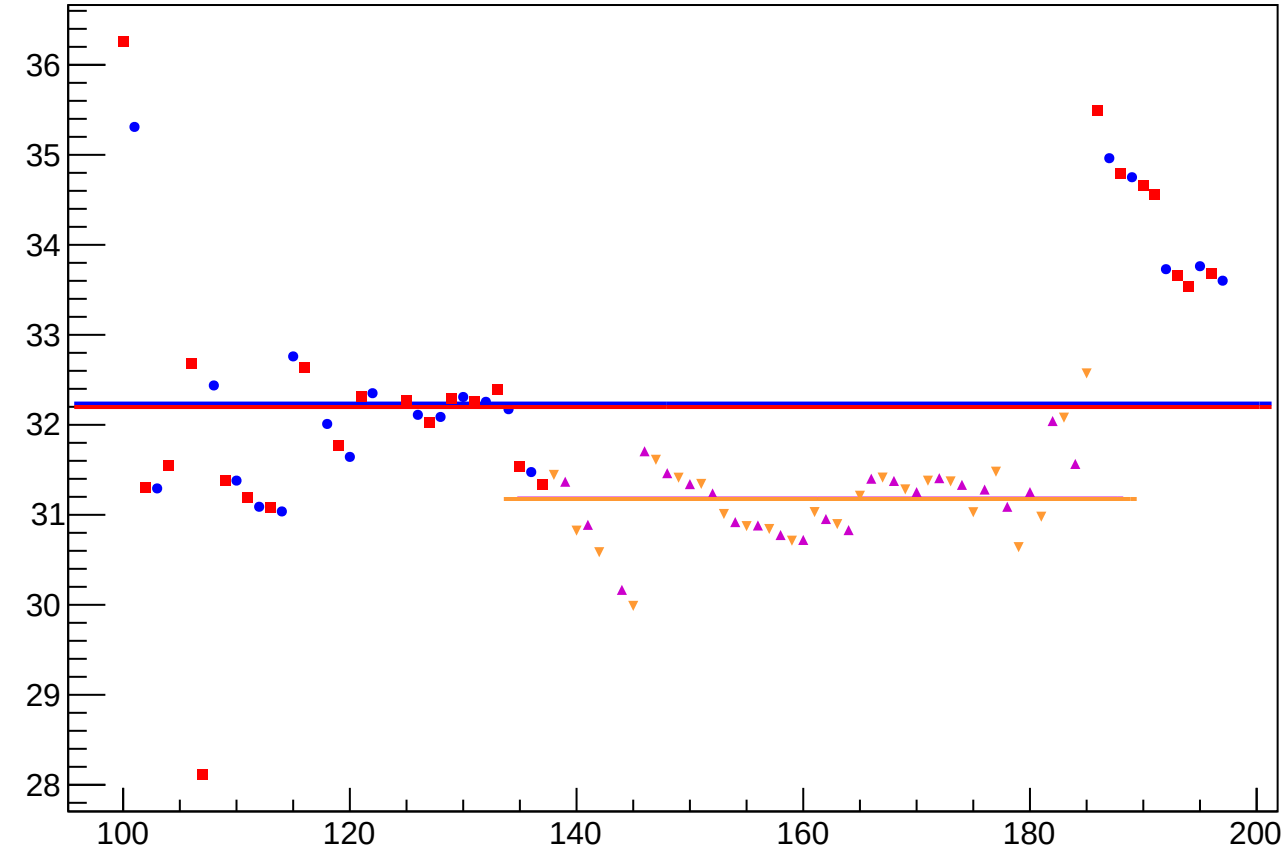
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9204875.3/44

All: 0.000+/-0.000 χ^2/NDF: 19235880.0/91

- sign 0.000+/-0.000 χ^2/NDF: 9960737.5/46

yield_usl_mean vs Slug



Right In: 32.236+/-0.000 χ^2/NDF: 1418271945.7/20

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

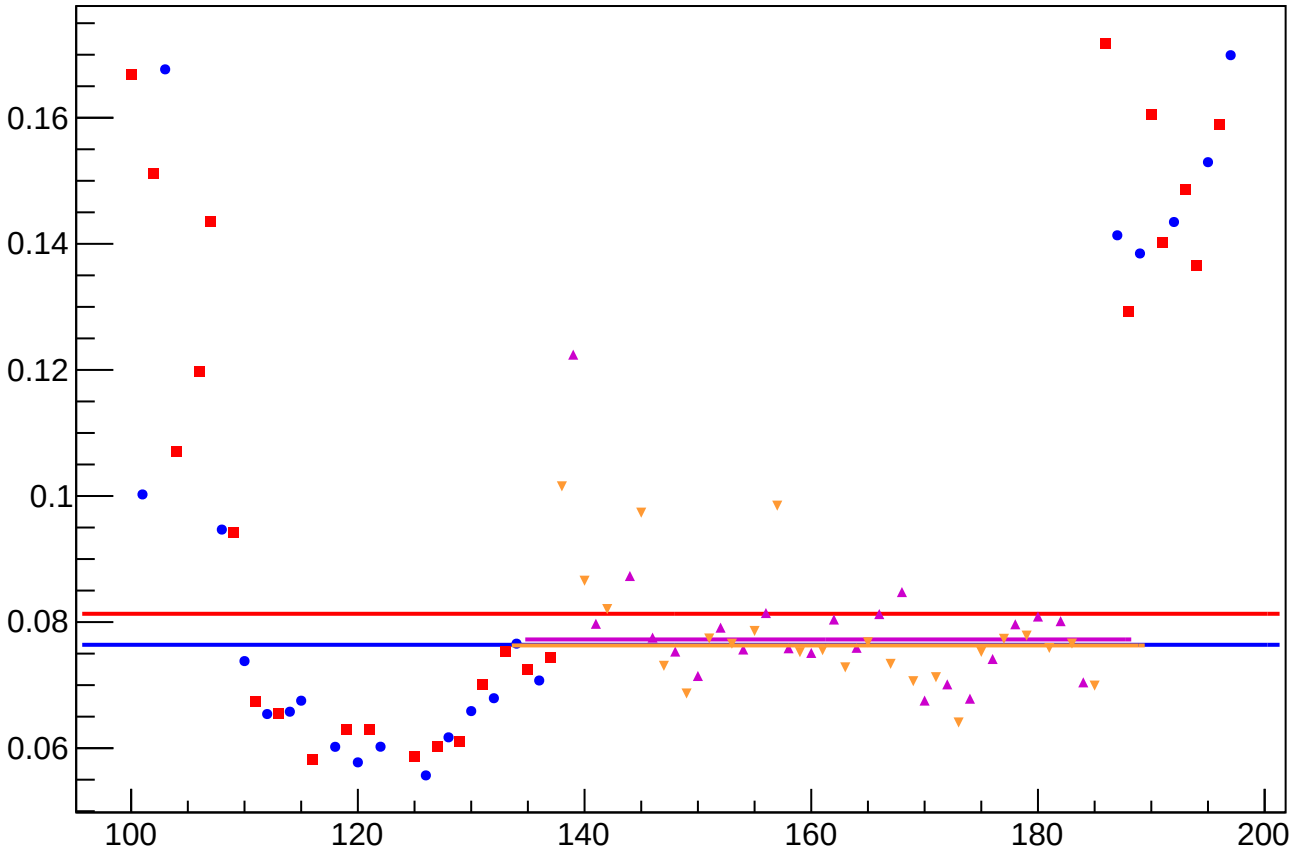
Right Out: 32.198+/-0.000 χ^2/NDF: 1523063563.1/24

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.536+/-0.000 χ^2/NDF: 3048643997.3/44

All: 31.533+/-0.000 χ^2/NDF: 5932012549.7/9

- sign 31.530+/-0.000 χ^2/NDF: 2883282737.3/47



Right In: 0.076+/-0.000 χ^2/NDF: 2479692.4/20

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.081+/-0.000 χ^2/NDF: 2841379.1/24

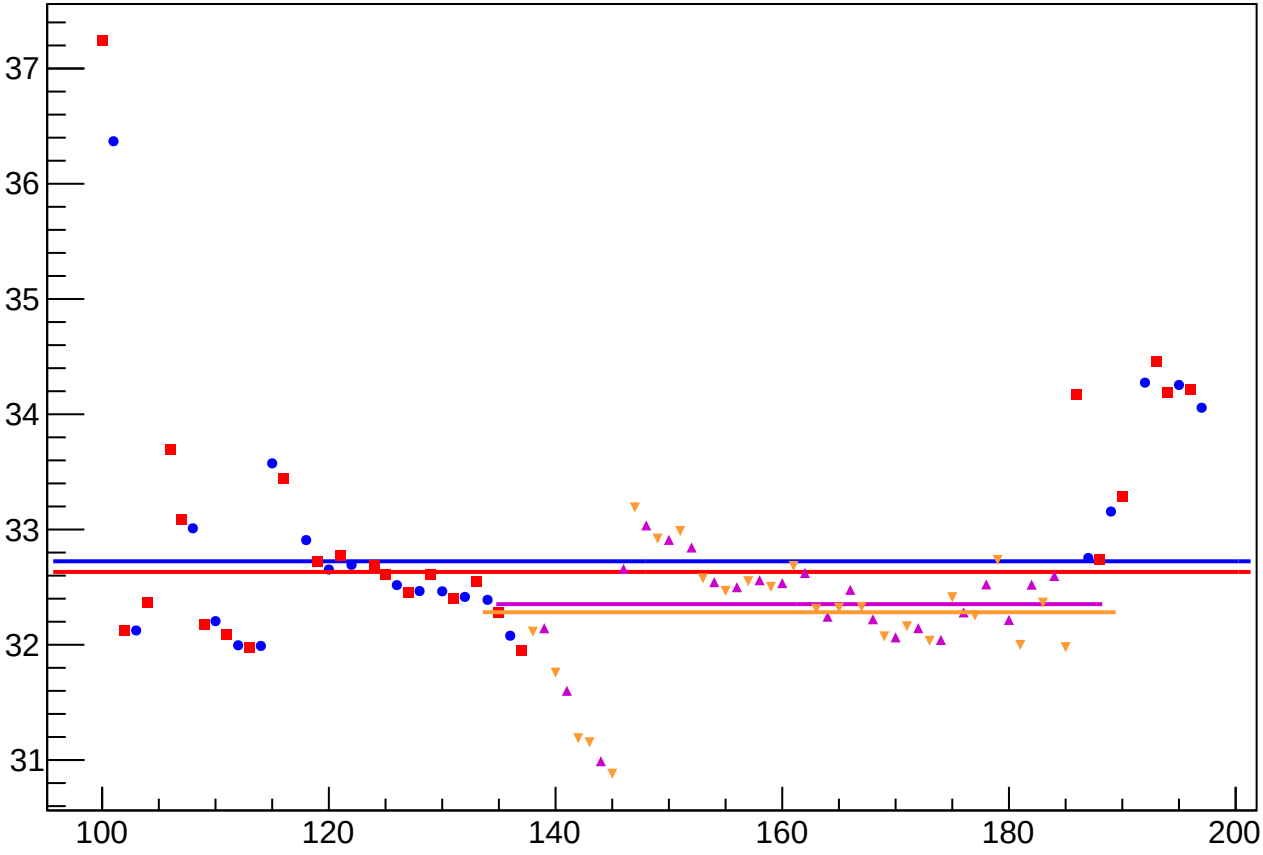
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.076+/-0.000 χ^2/NDF: 2836410.0/44

All: 0.077+/-0.000 χ^2/NDF: 6097504.2/92

- sign 0.079+/-0.000 χ^2/NDF: 3238116.4/47

yield_usr_mean vs Slug



Right In: 32.724+/-0.000 χ^2/NDF: 864042929.2/20

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.632+/-0.000 χ^2/NDF: 373348897.0/24

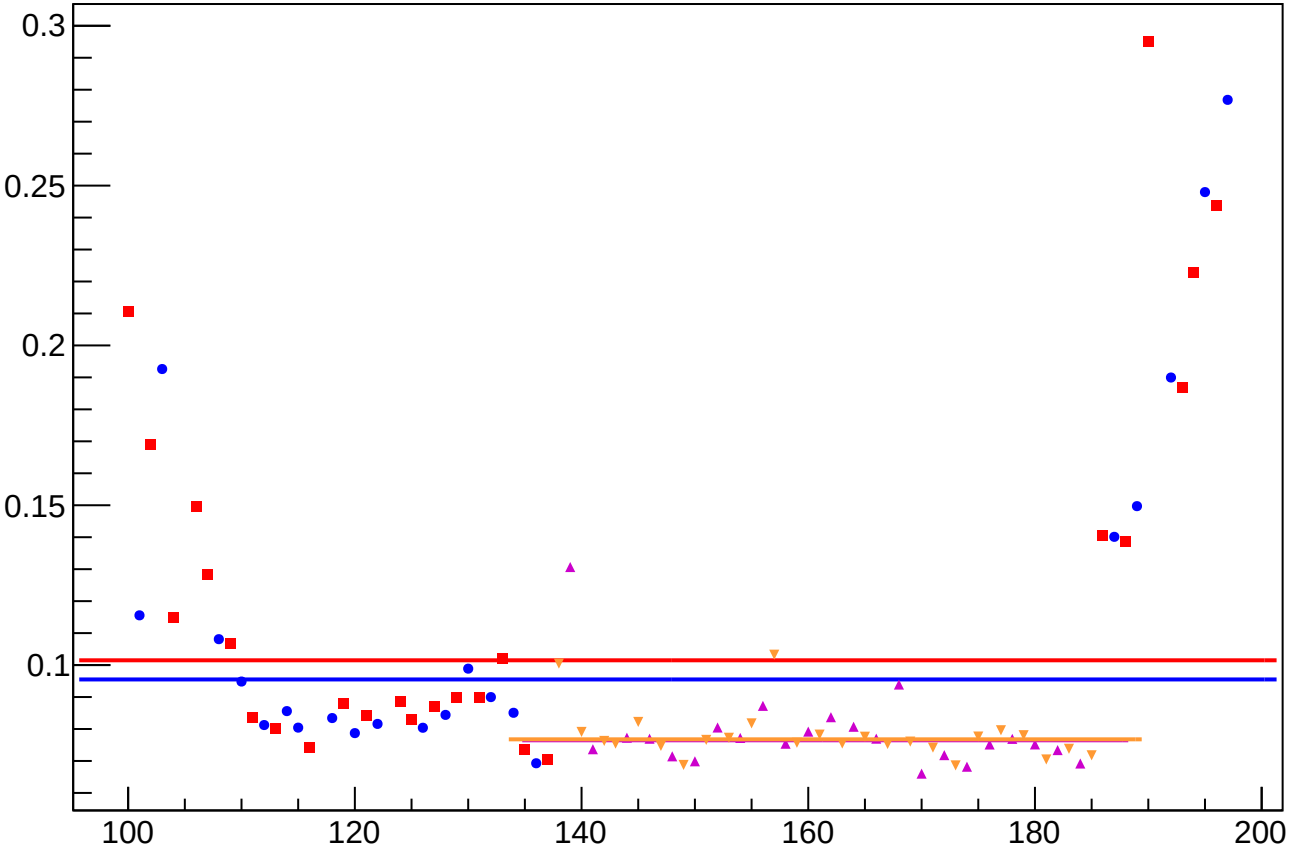
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.386+/-0.000 χ^2/NDF: 1840905793.7/45

All: 32.403+/-0.000 χ^2/NDF: 2860566119.5/9

- sign 32.420+/-0.000 χ^2/NDF: 1017489250.7/47

yield_usr_rms vs Slug



Right In: 0.096+/-0.000 χ^2/NDF: 2659665.6/20

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.101+/-0.000 χ^2/NDF: 2666121.7/24

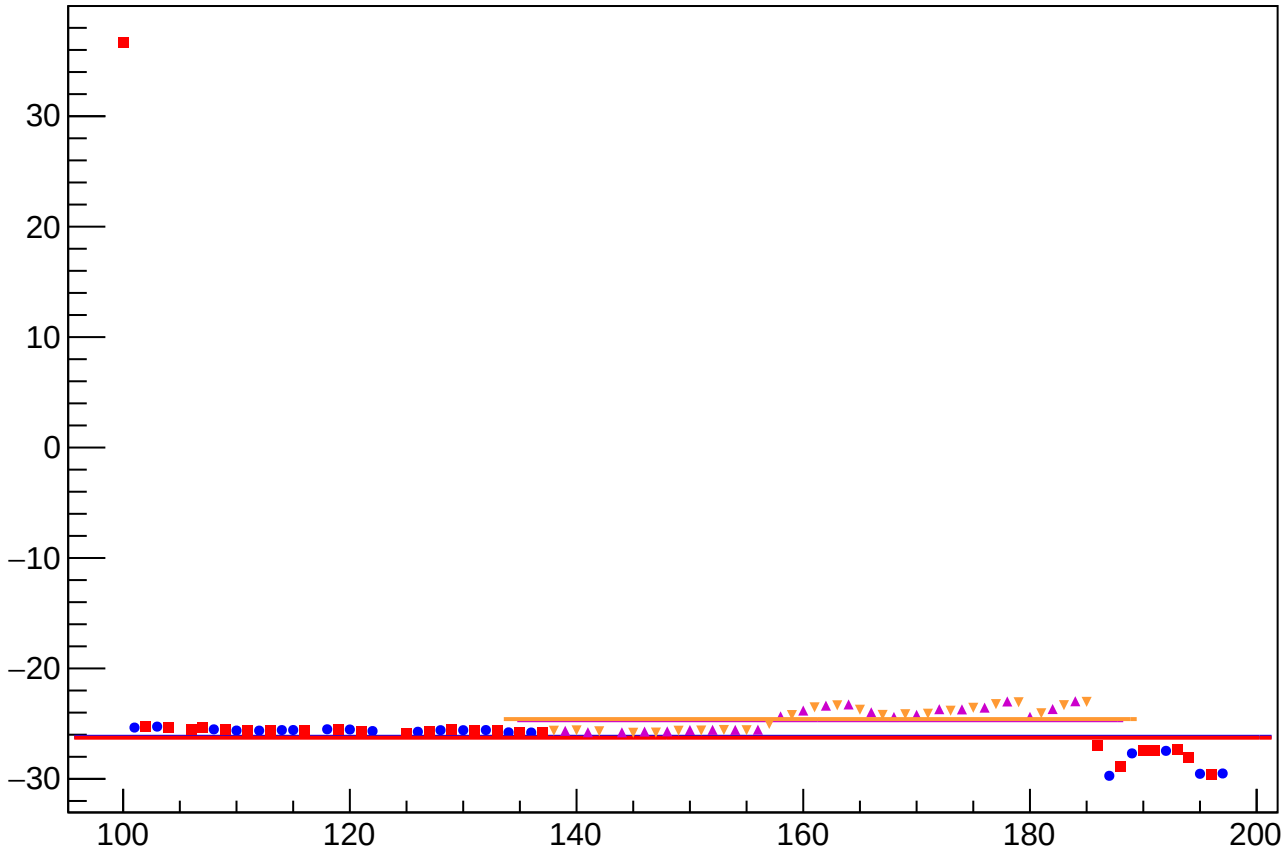
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.081+/-0.000 χ^2/NDF: 3405983.9/45

All: 0.082+/-0.000 χ^2/NDF: 7431365.7/93

- sign 0.083+/-0.000 χ^2/NDF: 4018564.4/47

yield_dsl_mean vs Slug



Right In: -26.189+/-0.000 χ^2/NDF: 8509678597.9/20

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.270+/-0.000 χ^2/NDF: 17662343879.2/24

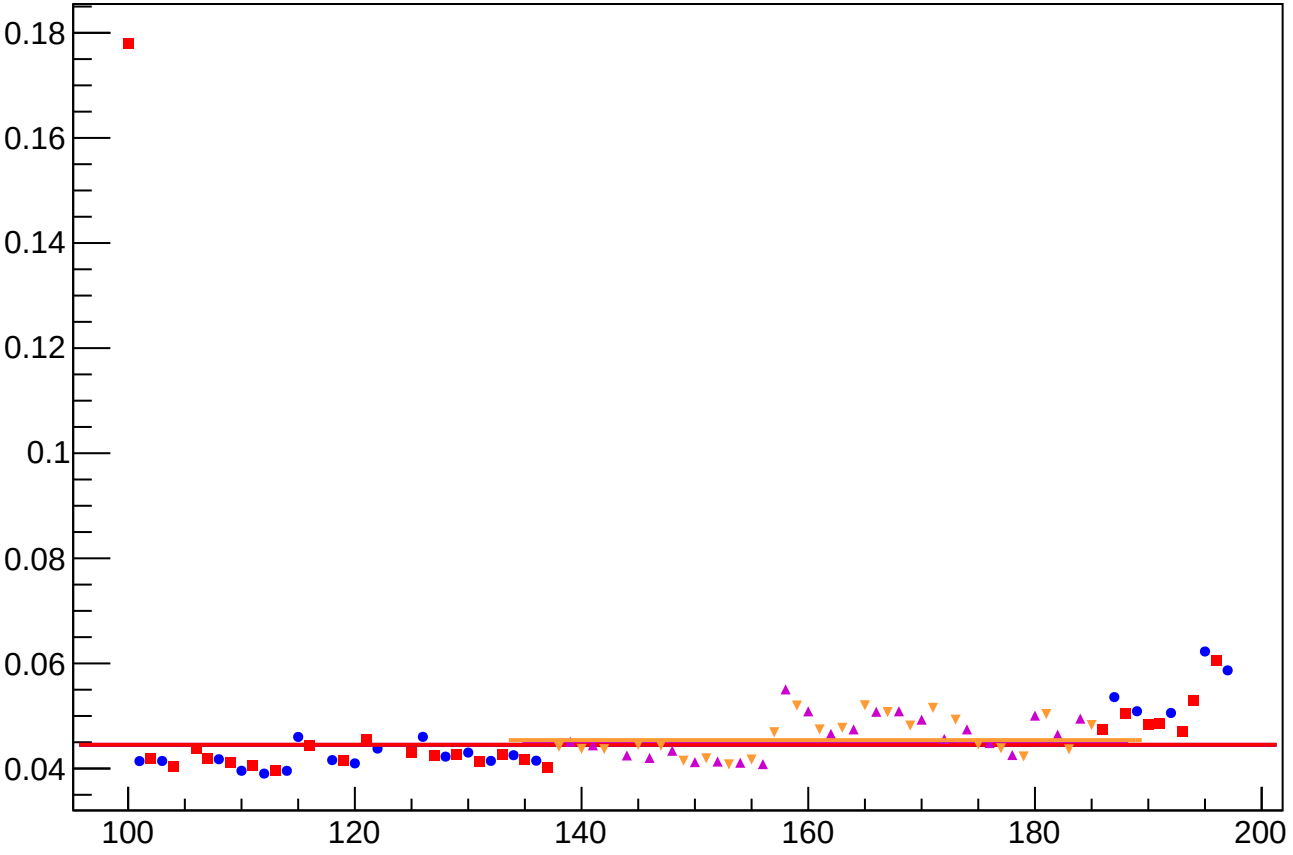
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.185+/-0.000 χ^2/NDF: 26056306369.3/44

All: -25.254+/-0.000 χ^2/NDF: 61369628879.0

- sign -25.320+/-0.000 χ^2/NDF: 35183722982.8/47

yield_dsl_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 368428.6/20

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.045+/-0.000 χ^2/NDF: 351677.1/24

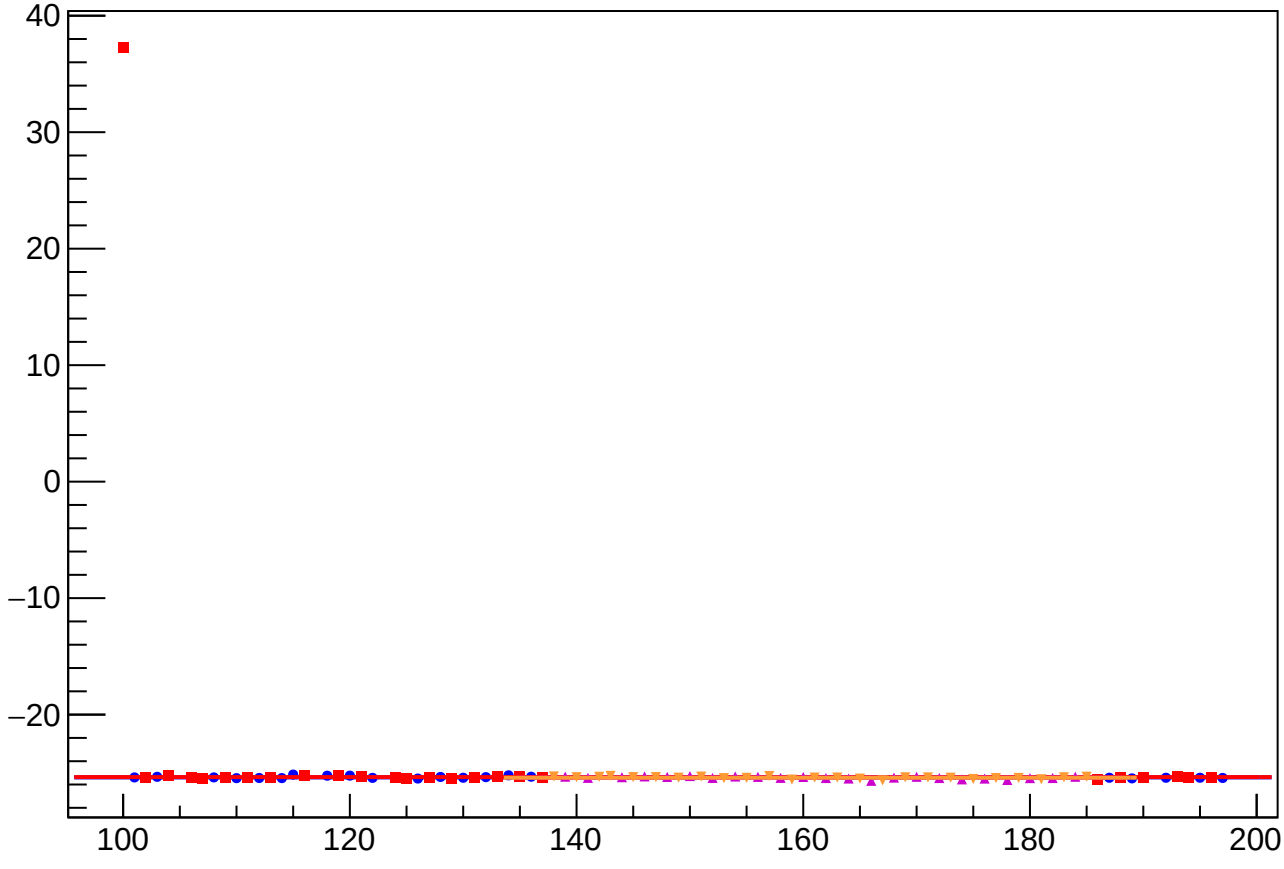
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.045+/-0.000 χ^2/NDF: 579315.2/44

All: 0.045+/-0.000 χ^2/NDF: 1179178.2/92

- sign 0.045+/-0.000 χ^2/NDF: 599605.6/47

yield_dsr_mean vs Slug



Right In: -25.389+/-0.000 χ^2/NDF: 18129968.2/20

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.364+/-0.000 χ^2/NDF: 6329027923.3/24

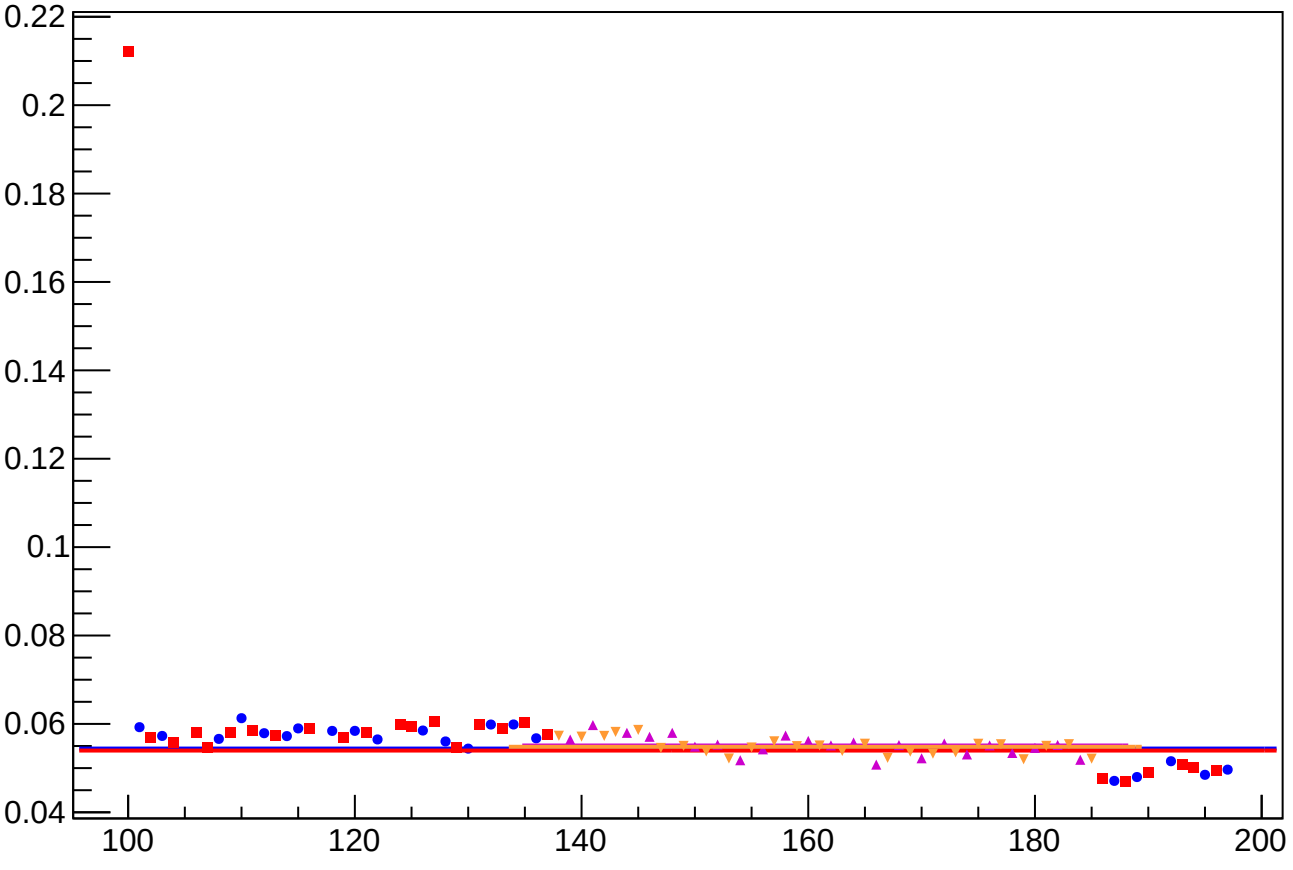
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.407+/-0.000 χ^2/NDF: 72099761.9/45

All: -25.400+/-0.000 χ^2/NDF: 6463643812.1/

- sign -25.394+/-0.000 χ^2/NDF: 6390772344.5/47

yield_dsr_rms vs Slug



Right In: 0.054+/-0.000 χ^2/NDF: 131707.0/20

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

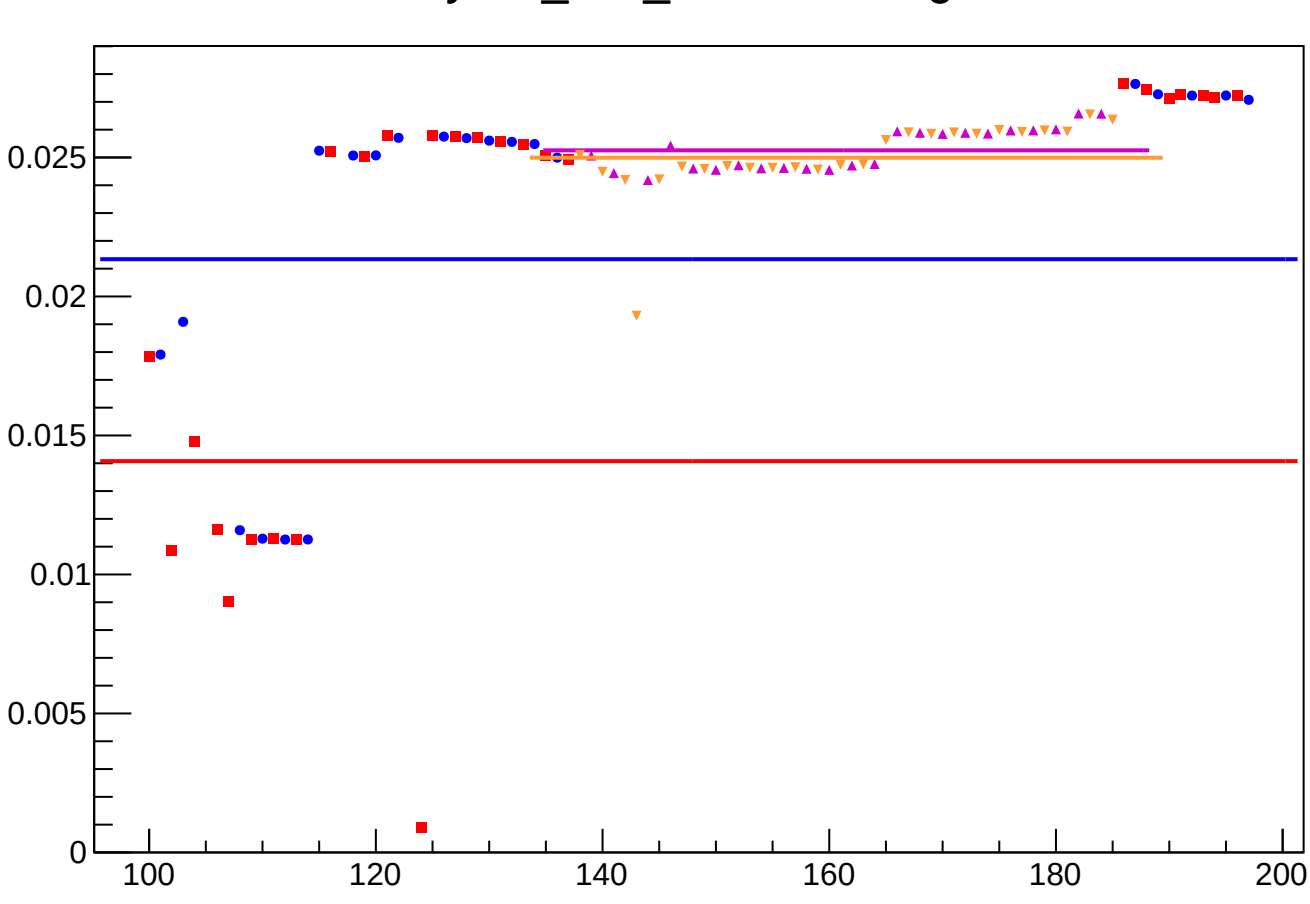
Right Out: 0.054+/-0.000 χ^2/NDF: 251866.1/24

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.055+/-0.000 χ^2/NDF: 170518.5/45

All: 0.055+/-0.000 χ^2/NDF: 479944.6/93

- sign 0.055+/-0.000 χ^2/NDF: 309421.3/47



Right In: 0.021+/-0.000 χ^2/NDF: 78455452161.6/20

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 359197380526.2/25

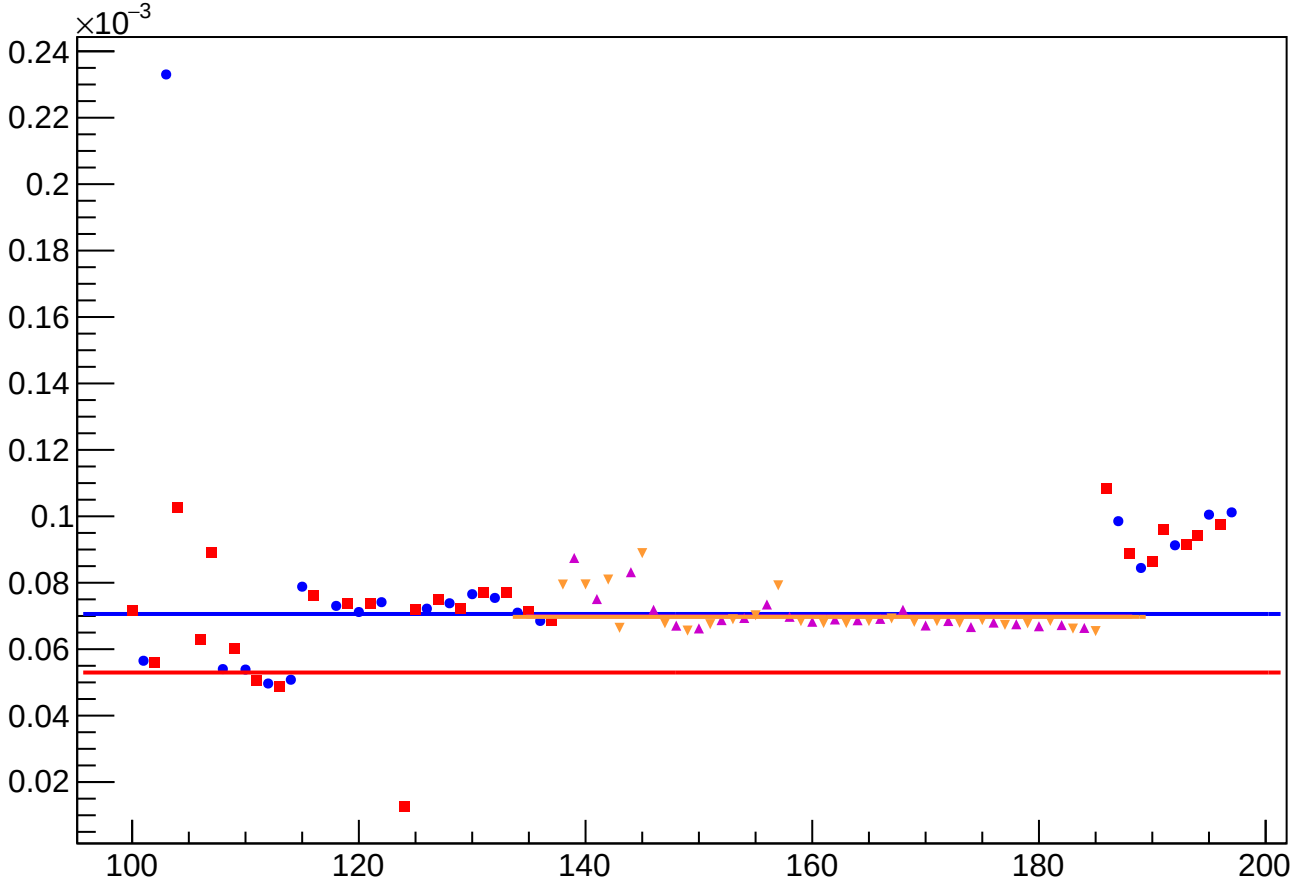
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 103538644709.8/45

All: 0.022+/-0.000 χ^2/NDF: 711861100503.2

- sign 0.020+/-0.000 χ^2/NDF: 568654984448.0/48

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1376583.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

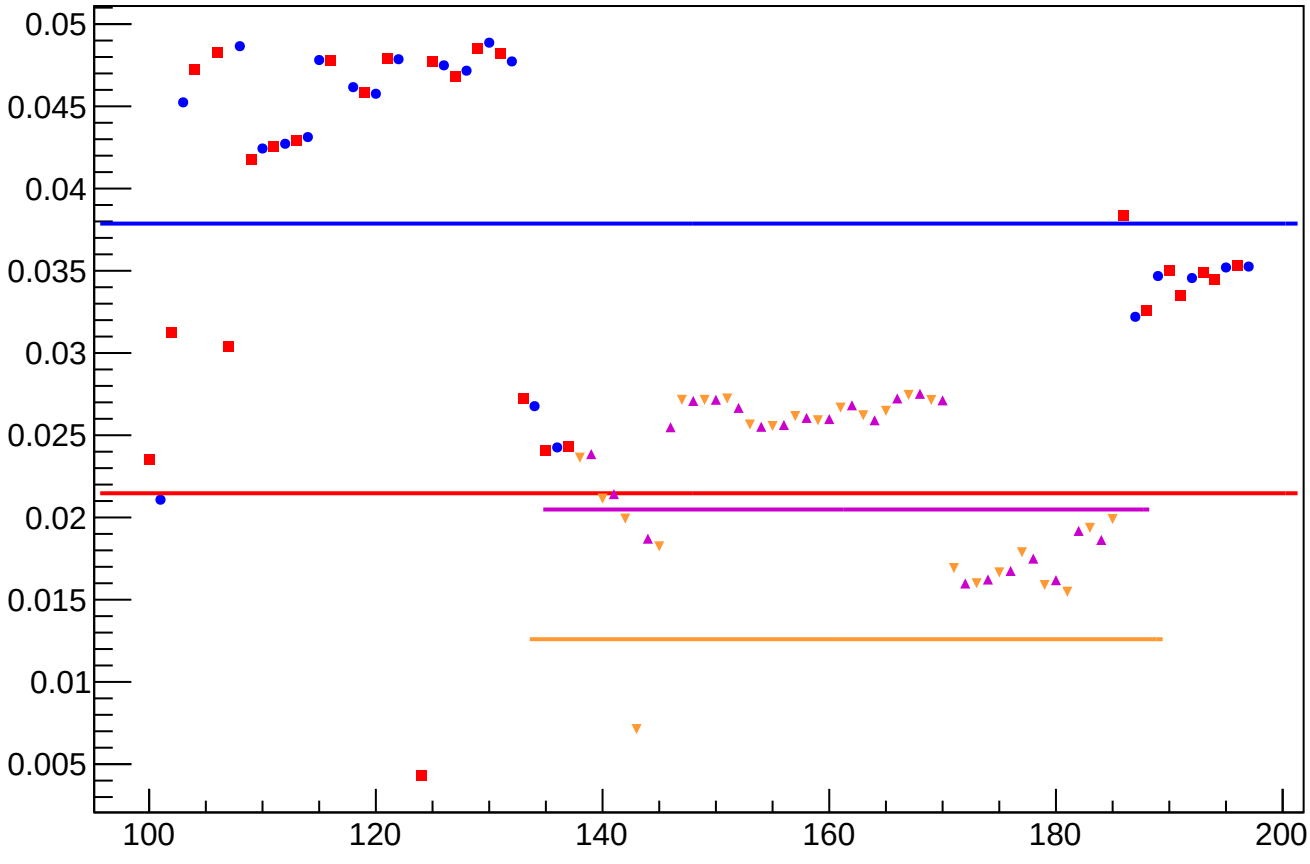
Right Out: 0.000+/-0.000 χ^2/NDF: 5770394.0/25

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1566751.7/45

All: 0.000+/-0.000 χ^2/NDF: 8813951.4/94

- sign 0.000+/-0.000 χ^2/NDF: 6871080.4/48



Right In: 0.038+/-0.000 χ^2/NDF: 7201019263.2/20

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.021+/-0.000 χ^2/NDF: 44666893551.7/25

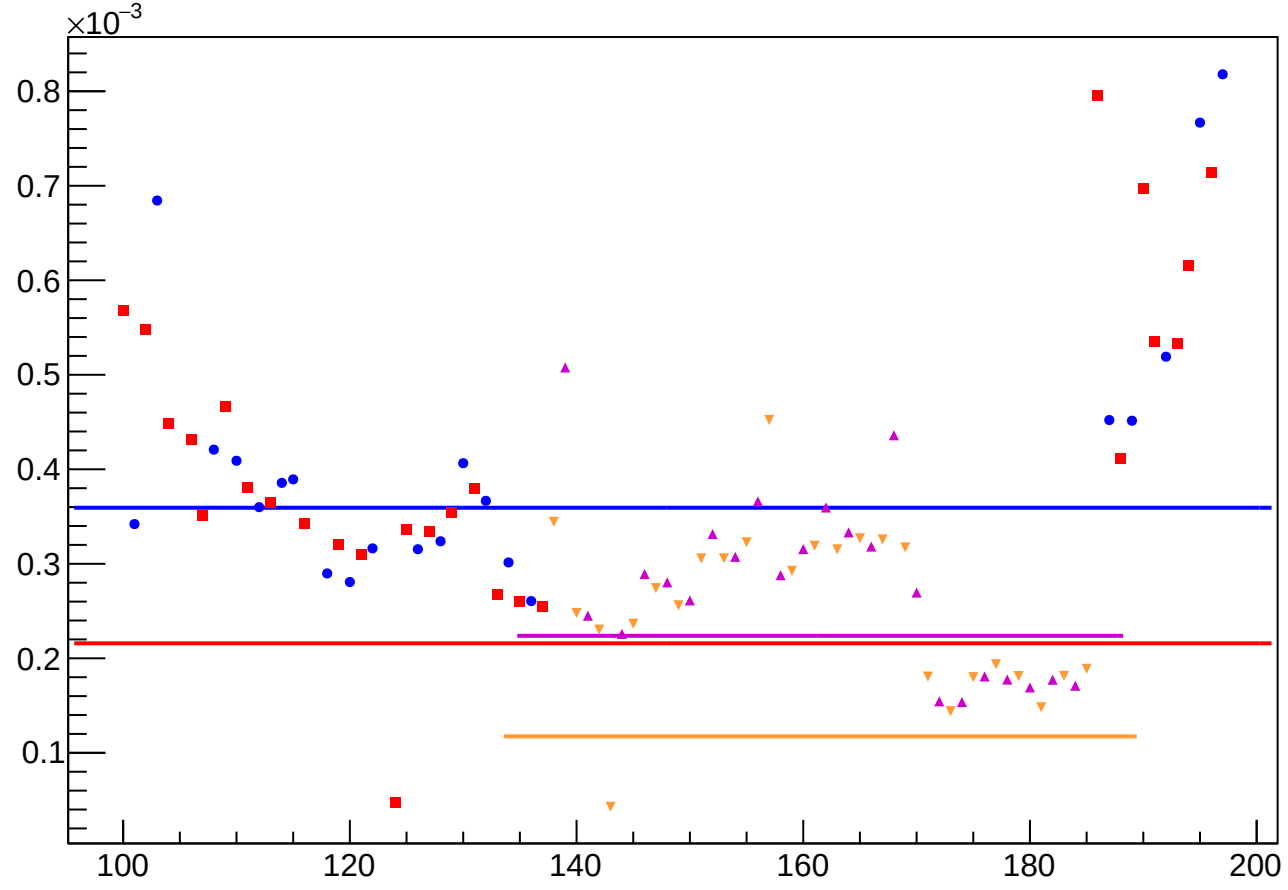
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 84594699865.4/45

All: 0.017+/-0.000 χ^2/NDF: 146041486362.6

- sign 0.021+/-0.000 χ^2/NDF: 50858291899.5/48

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1877188.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9306114.2/25

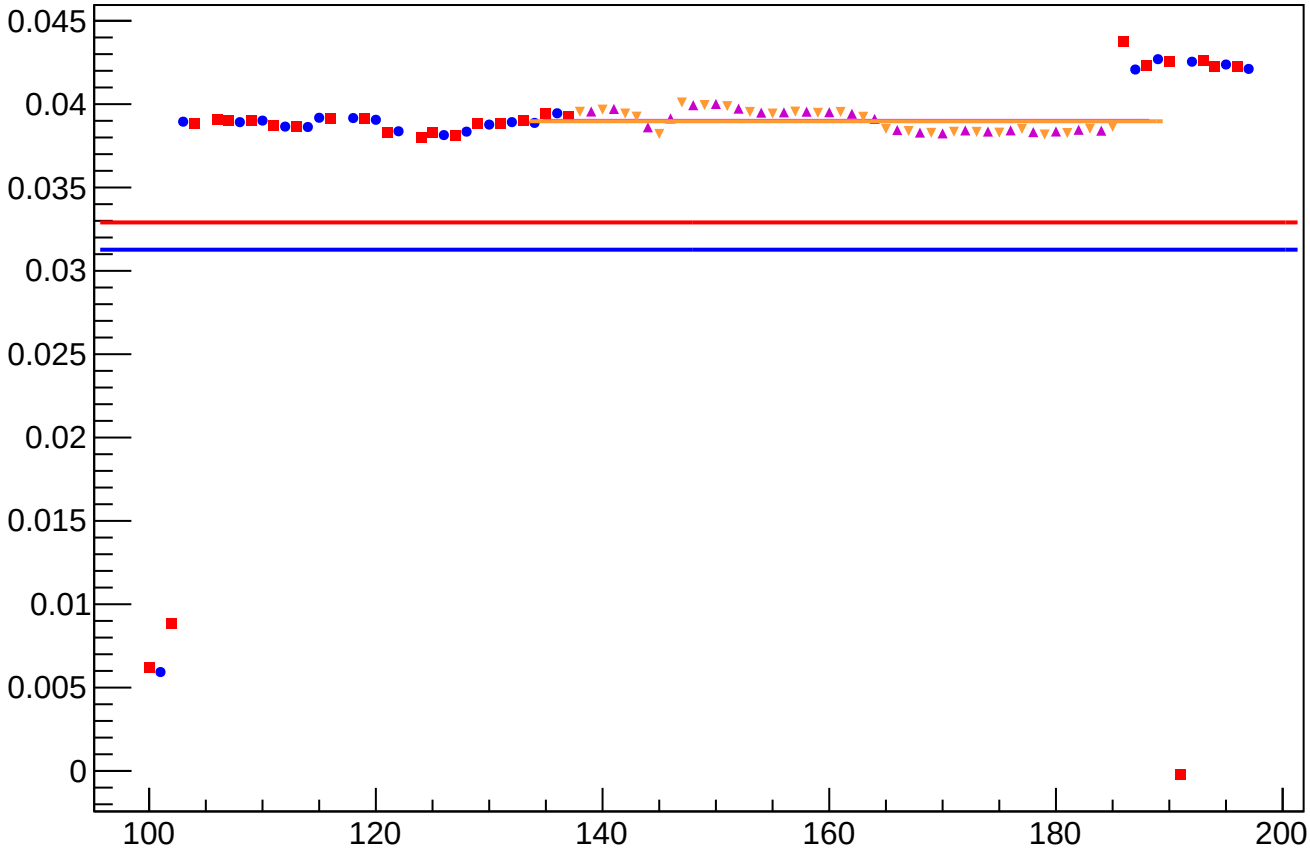
Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 23606757.0/45

All: 0.000+/-0.000 χ^2/NDF: 40321410.9/94

- sign 0.000+/-0.000 χ^2/NDF: 12706233.3/48

yield_atr1_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF: 116468745257.9/20

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

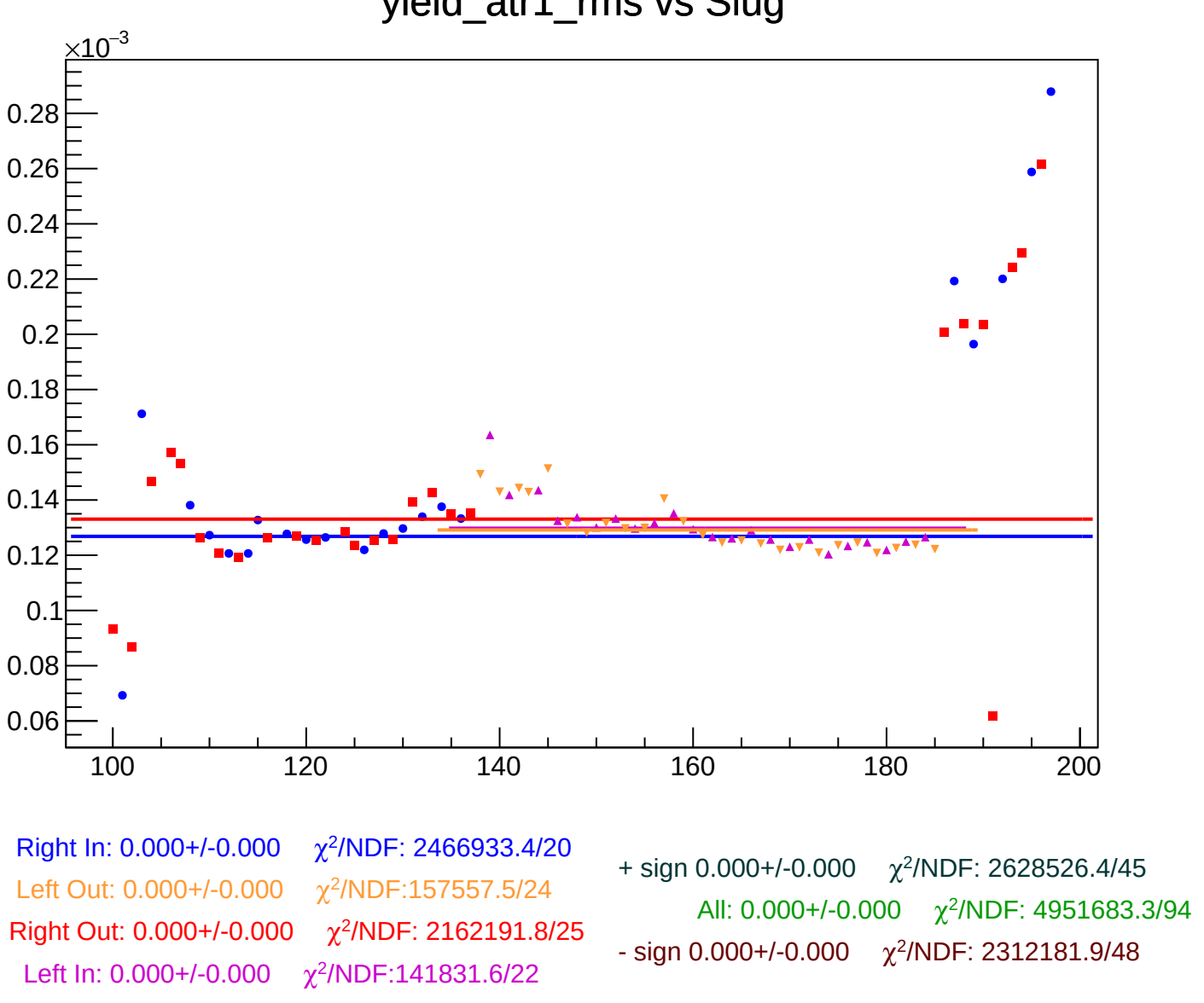
Right Out: 0.033+/-0.000 χ^2/NDF: 111256311808.3/25

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

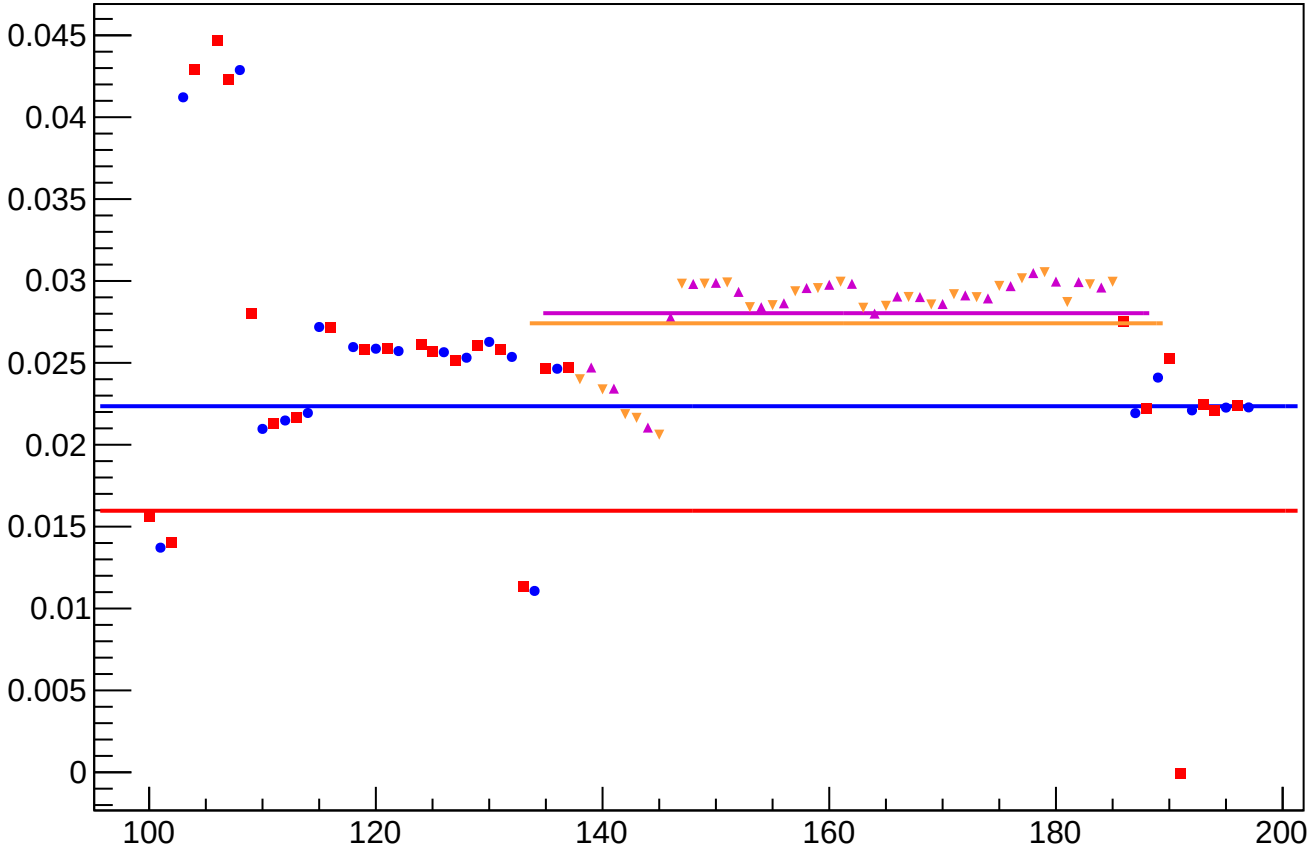
+ sign 0.036+/-0.000 χ^2/NDF: 139338988535.6/45

All: 0.037+/-0.000 χ^2/NDF: 265076446321.8

- sign 0.037+/-0.000 χ^2/NDF: 125575670916.9/48


yield_atr1_rms vs Slug
×10^−3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2466933.4/20
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2162191.8/25
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
+ sign 0.000+/-0.000 χ²/NDF: 2628526.4/45
All: 0.000+/-0.000 χ²/NDF: 4951683.3/94
- sign 0.000+/-0.000 χ²/NDF: 2312181.9/48

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5024458559.2/20

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 24925646330.9/25

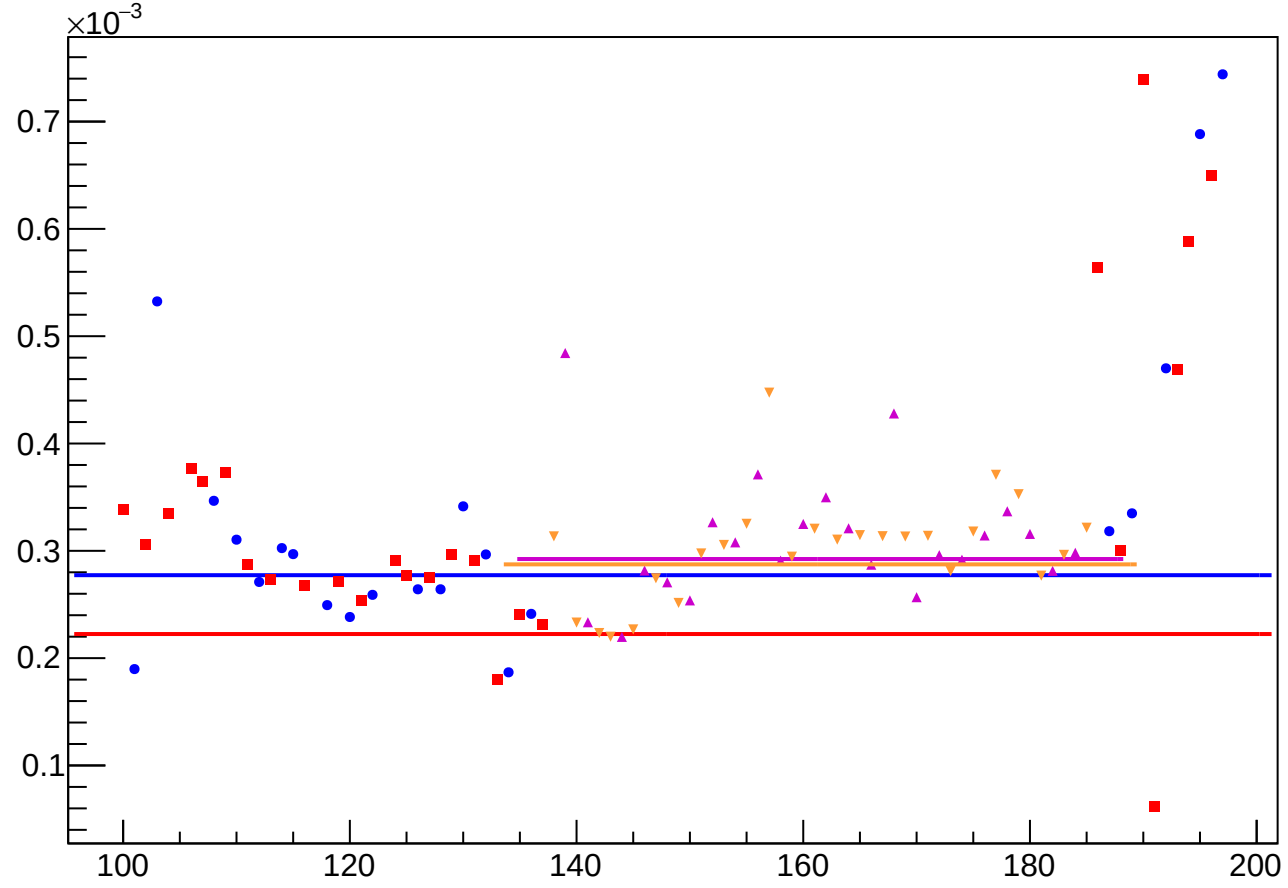
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9116286513.4/45

All: 0.024+/-0.000 χ^2/NDF: 49777699610.8/9

- sign 0.023+/-0.000 χ^2/NDF: 39088623155.0/48

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2348627.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

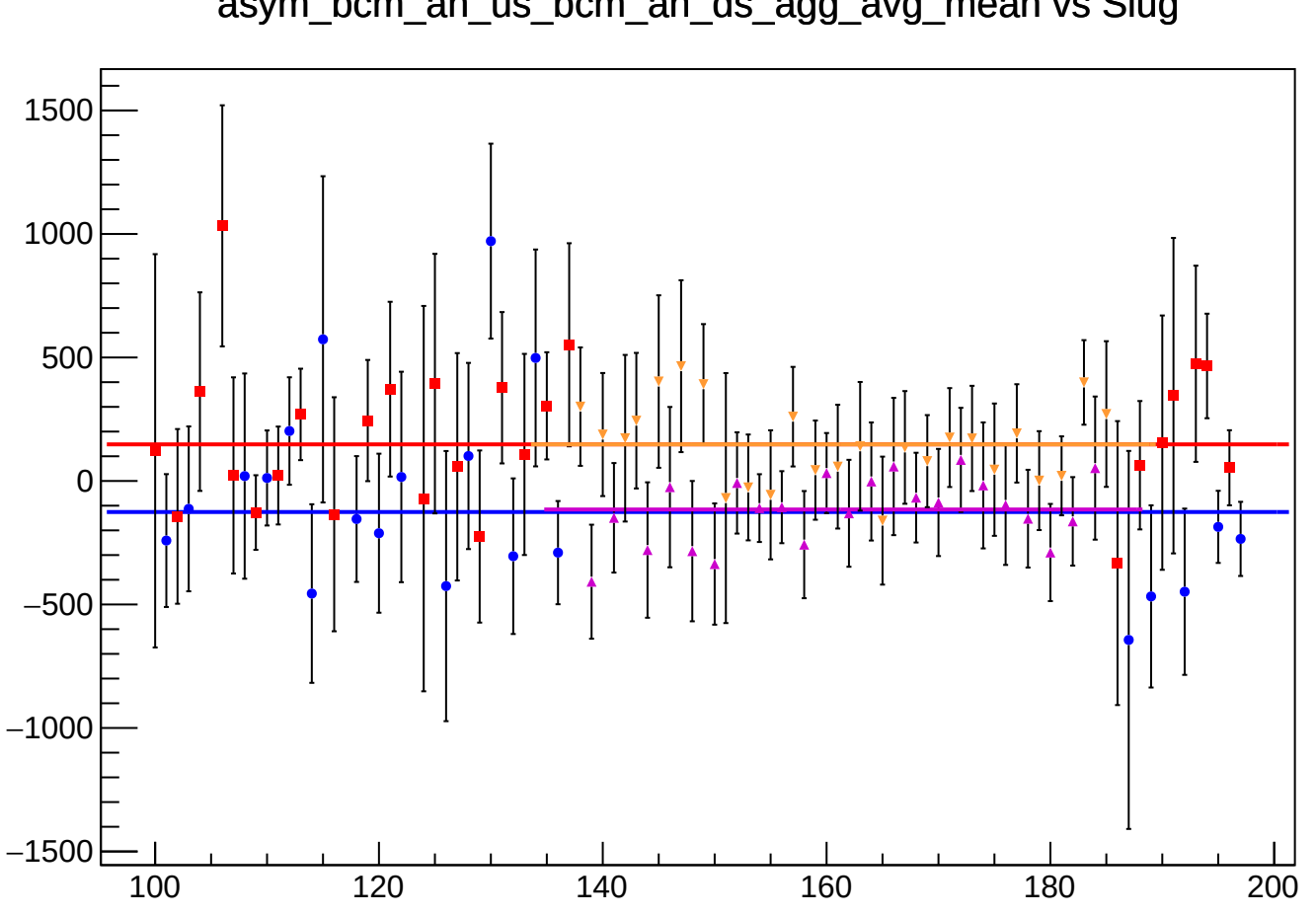
Right Out: 0.000+/-0.000 χ^2/NDF: 5948889.7/25

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 3184813.7/45

All: 0.000+/-0.000 χ^2/NDF: 11133134.4/94

- sign 0.000+/-0.000 χ^2/NDF: 7770380.1/48



Right In: -125.626+/-59.612 χ^2/NDF: 19.5/20

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 148.234+/-56.625 χ^2/NDF: 17.2/25

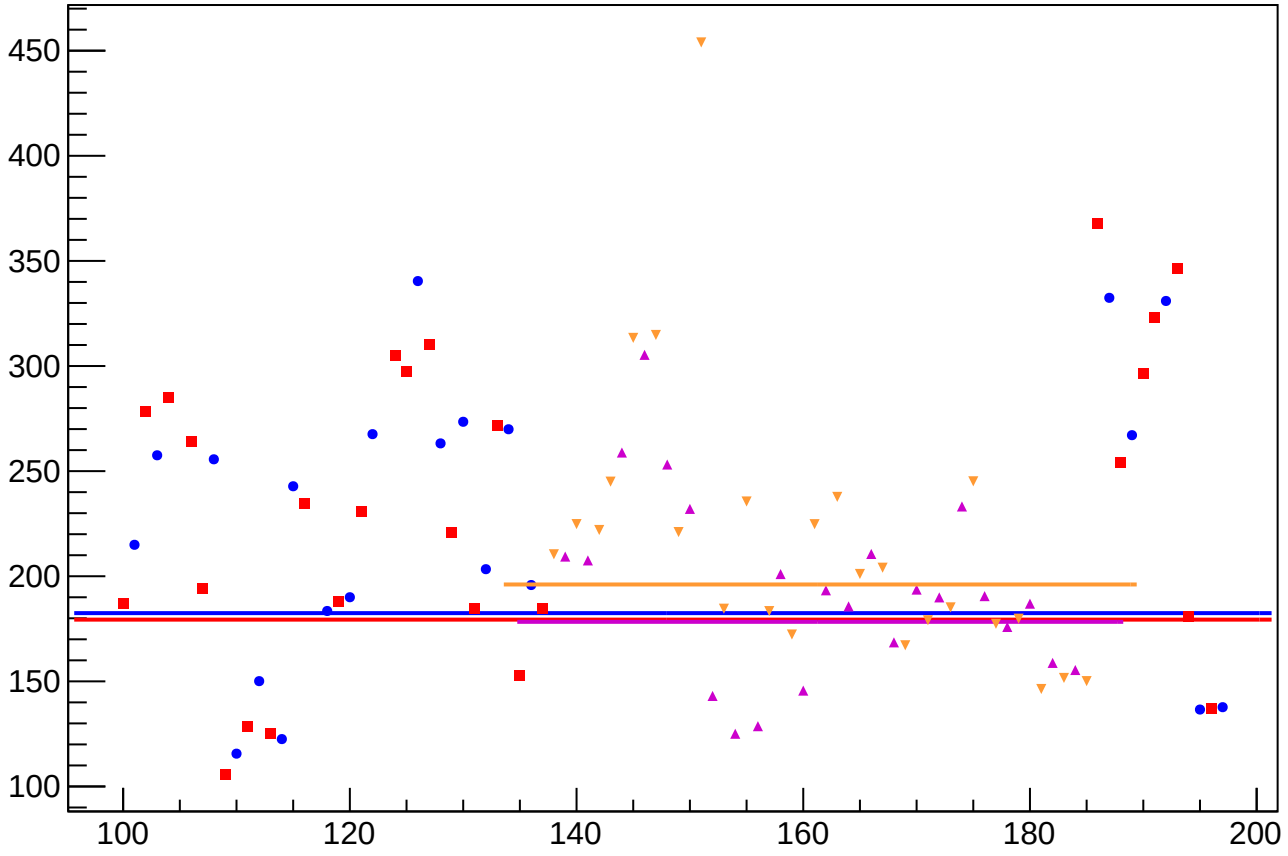
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 45.439+/-36.527 χ^2/NDF: 43.1/45

All: 12.245+/-25.093 χ^2/NDF: 83.2/94

- sign -17.420+/-34.530 χ^2/NDF: 38.6/48

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.457+/-0.042 χ^2/NDF: 2038659.1/20

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

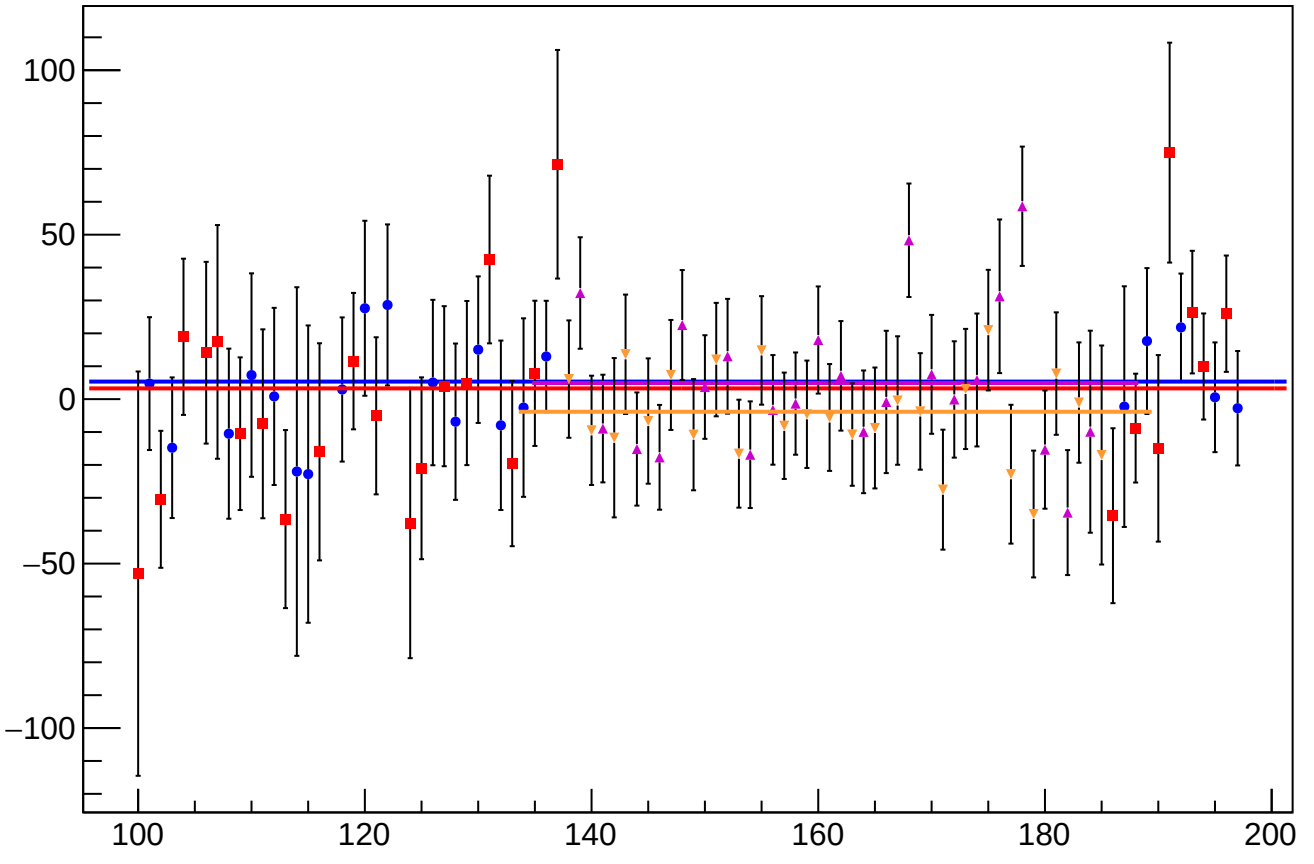
Right Out: 179.365+/-0.040 χ^2/NDF: 2778830.3/25

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 190.969+/-0.026 χ^2/NDF: 3922451.9/45

All: 184.494+/-0.018 χ^2/NDF: 8499075.6/94

- sign 178.707+/-0.024 χ^2/NDF: 4457596.2/48



Right In: 5.335+/-5.021 χ^2/NDF: 6.2/20

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

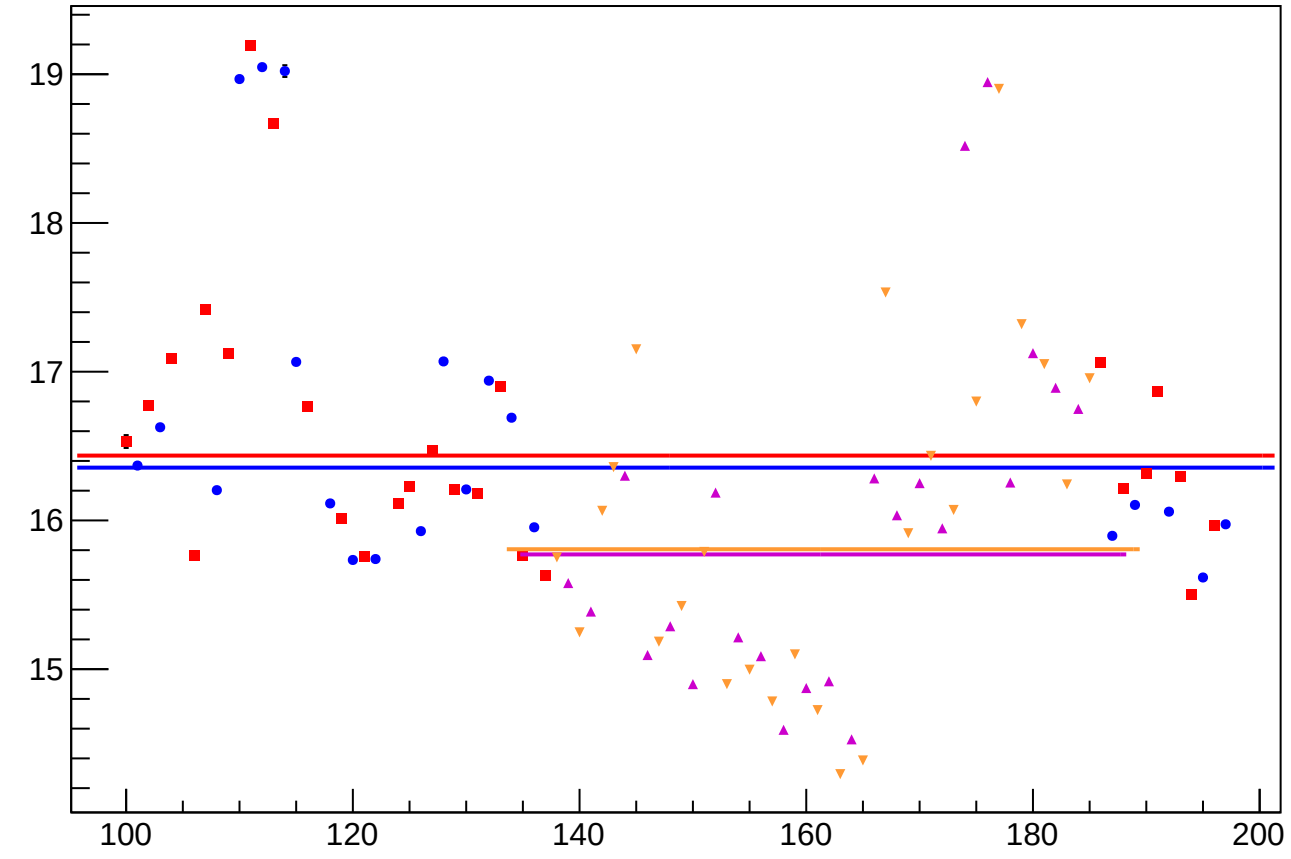
Right Out: 3.262+/-4.756 χ^2/NDF: 27.4/25

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign -0.718+/-2.927 χ^2/NDF: 21.3/45

All: 1.791+/-2.067 χ^2/NDF: 84.1/94

\- sign 4.286+/-2.918 χ^2/NDF: 61.3/48



Right In: 16.355+/-0.004 χ^2/NDF: 53307.0/20

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

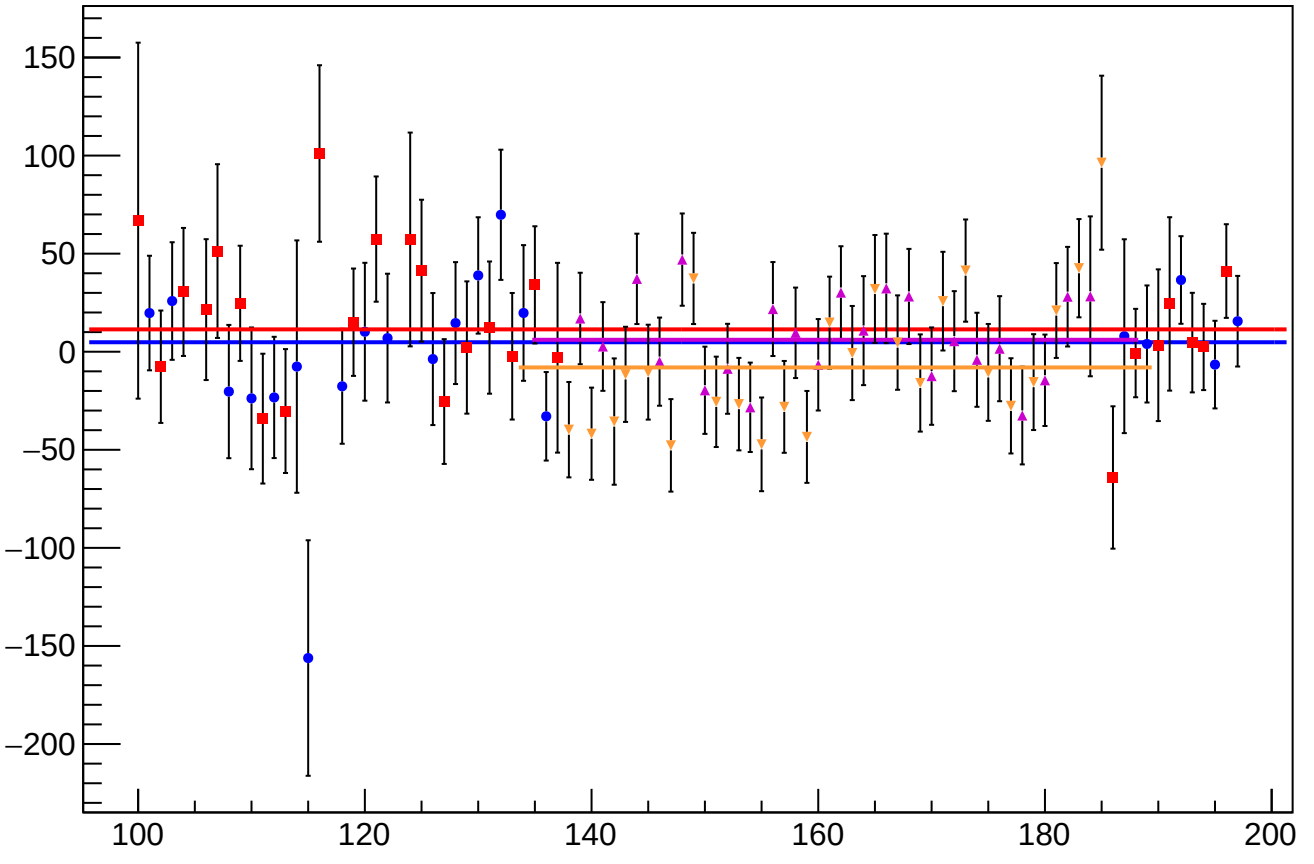
Right Out: 16.436+/-0.003 χ^2/NDF: 55491.0/25

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 15.993+/-0.002 χ^2/NDF: 241724.0/45

All: 16.007+/-0.001 χ^2/NDF: 473796.4/94

\- sign 16.022+/-0.002 χ^2/NDF: 231975.3/48



Right In: 4.830+/-6.657 χ^2/NDF: 21.4/20

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

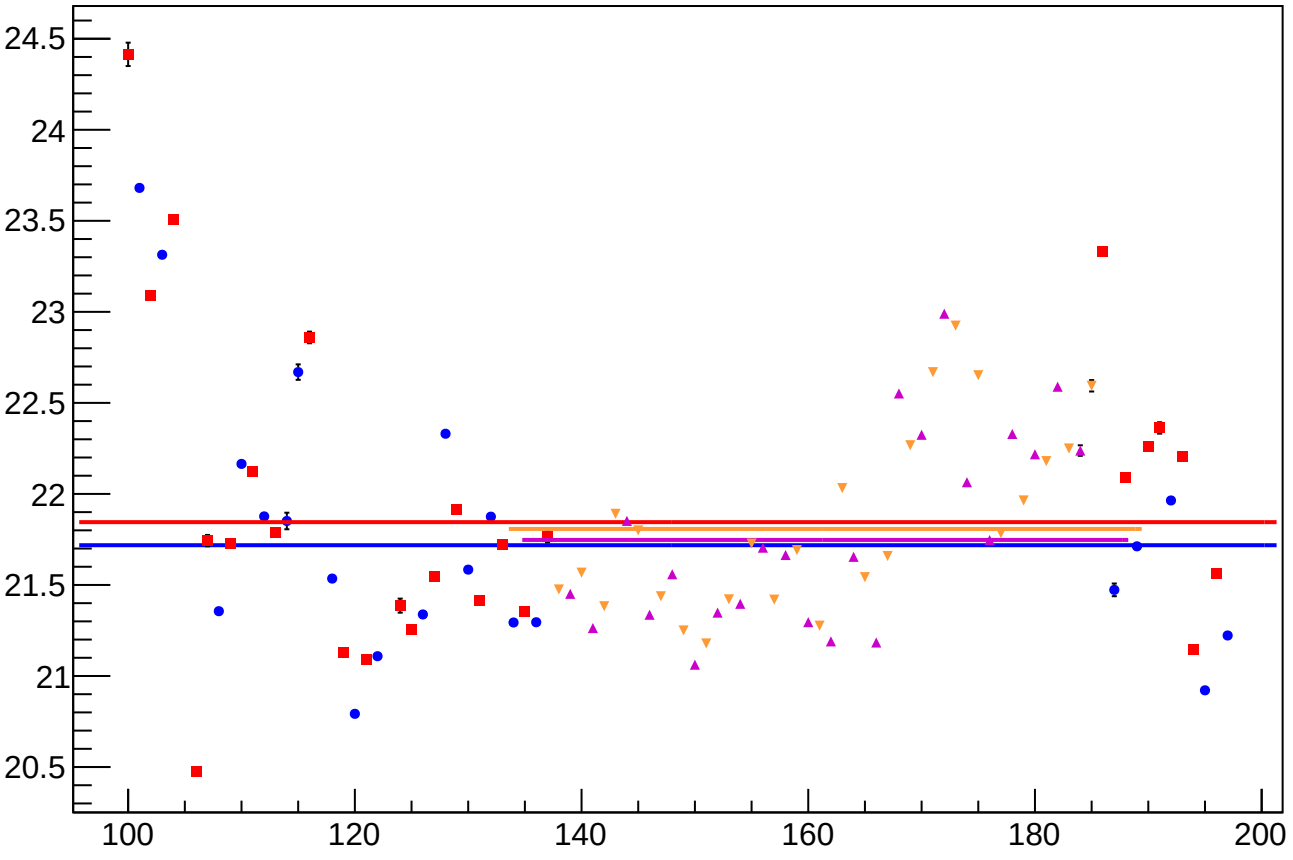
Right Out: 11.394+/-6.313 χ^2/NDF: 22.1/25

Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -3.435+/-3.975 χ^2/NDF: 62.6/45

All: 2.394+/-2.805 χ^2/NDF: 107.4/94

- sign 8.172+/-3.958 χ^2/NDF: 40.4/48



Right In: 21.718+/-0.005 χ^2/NDF: 23830.9/20

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

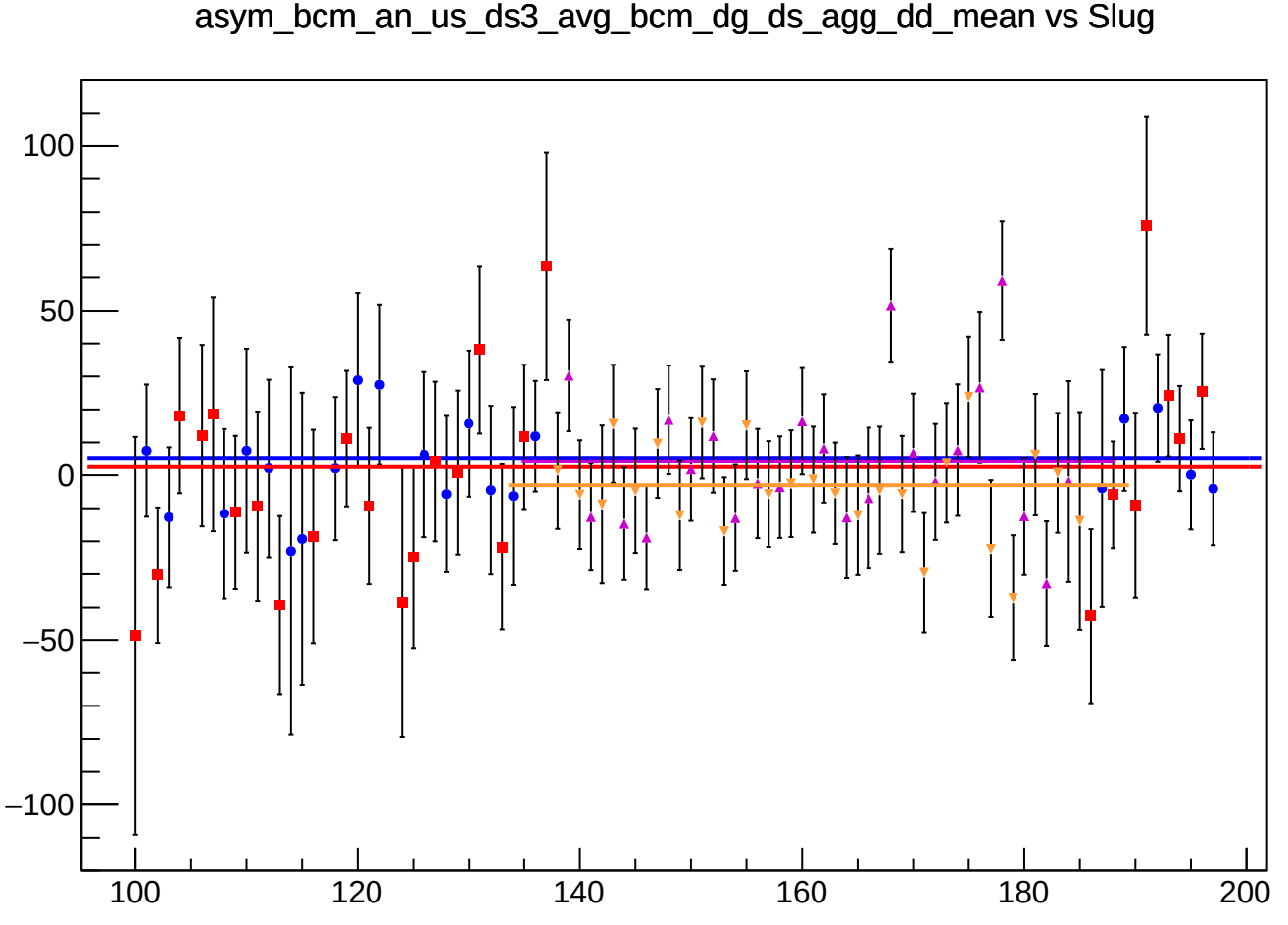
Right Out: 21.845+/-0.004 χ^2/NDF: 25743.7/25

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.776+/-0.003 χ^2/NDF: 41624.2/45

All: 21.781+/-0.002 χ^2/NDF: 88225.7/94

- sign 21.786+/-0.003 χ^2/NDF: 46595.3/48



Right In: 5.317+/-4.982 χ^2/NDF: 5.9/20

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

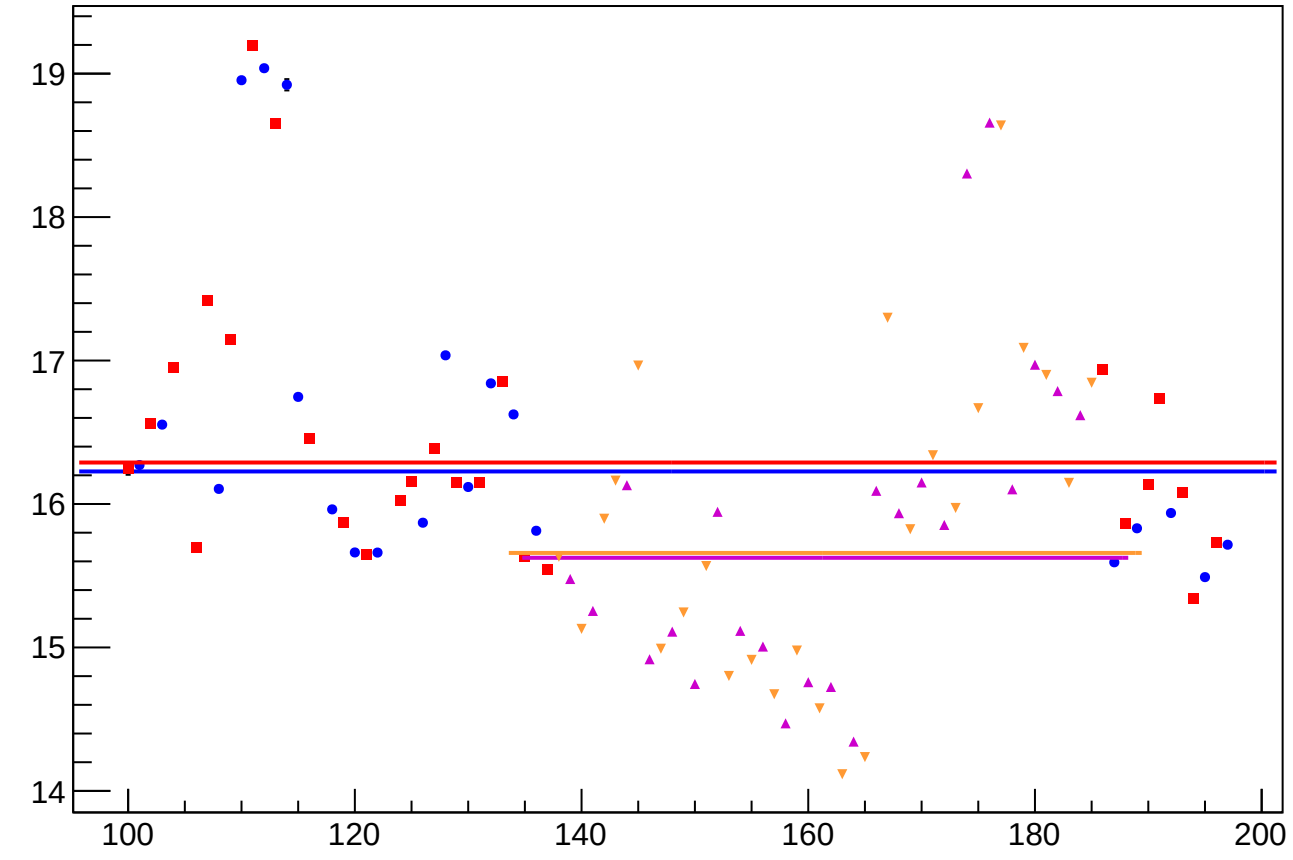
Right Out: 2.476+/-4.715 χ^2/NDF: 27.7/25

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

\+ sign -0.181+/-2.901 χ^2/NDF: 22.4/45

All: 1.707+/-2.048 χ^2/NDF: 84.9/94

\- sign 3.582+/-2.891 χ^2/NDF: 61.6/48



Right In: 16.227+/-0.004 χ^2/NDF: 58388.4/20

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

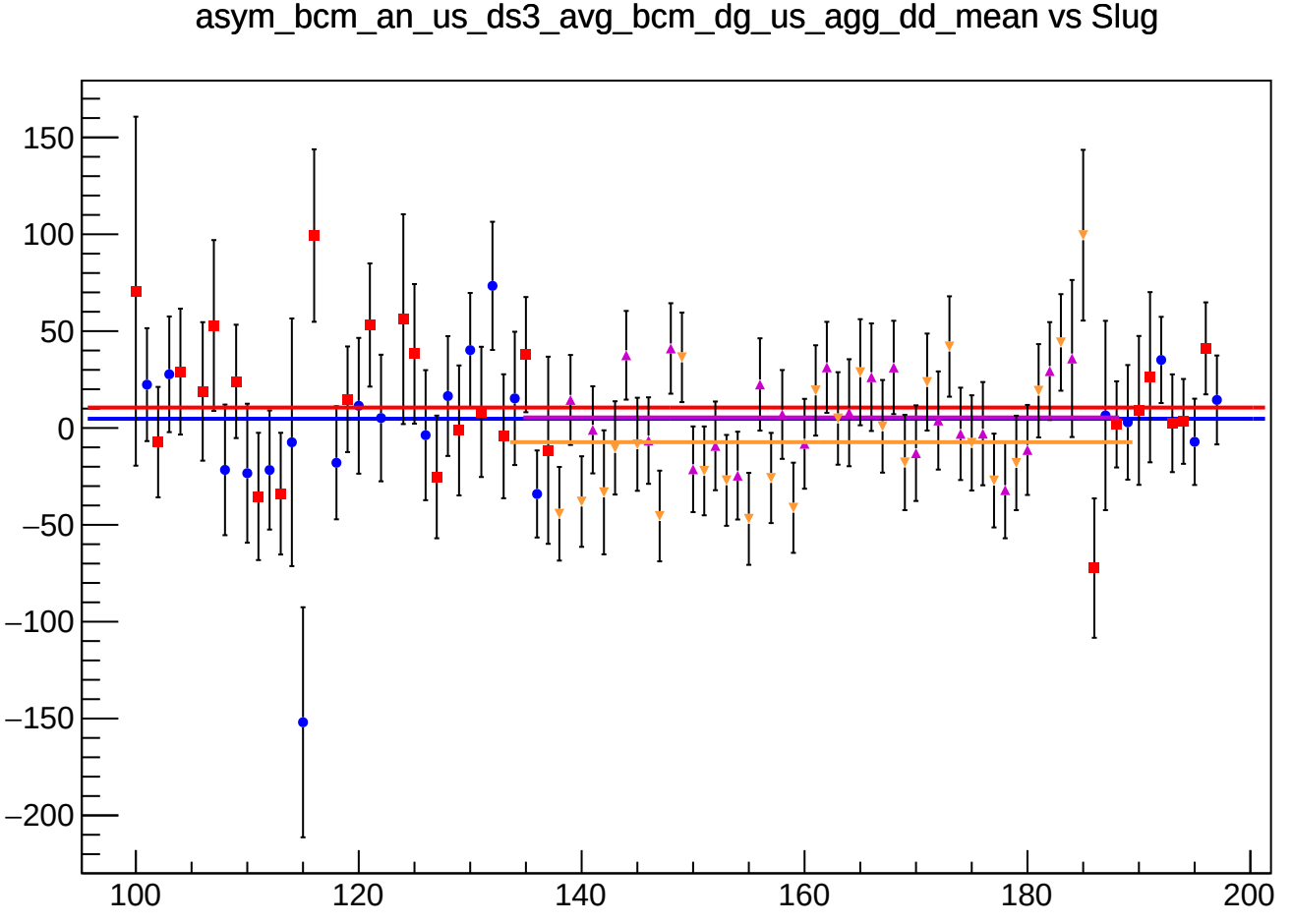
Right Out: 16.289+/-0.003 χ^2/NDF: 61983.0/25

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.851+/-0.002 χ^2/NDF: 245404.3/45

All: 15.863+/-0.001 χ^2/NDF: 482644.1/94

\- sign 15.875+/-0.002 χ^2/NDF: 237175.1/48



Right In: 4.748+/-6.625 χ^2/NDF: 21.9/20

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

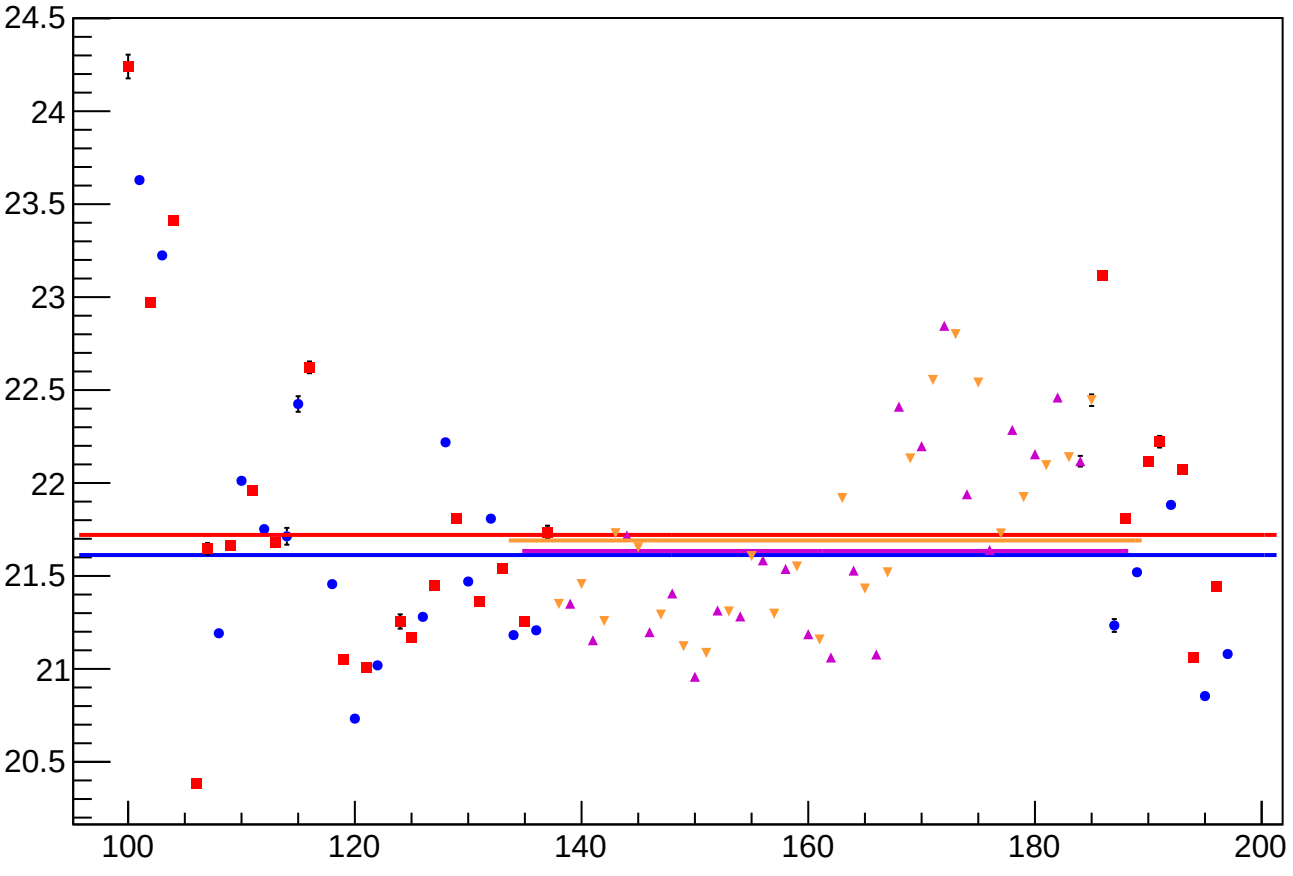
Right Out: 10.547+/-6.277 χ^2/NDF: 23.5/25

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -3.018+/-3.955 χ^2/NDF: 62.7/45

All: 2.238+/-2.790 χ^2/NDF: 107.4/94

- sign 7.445+/-3.936 χ^2/NDF: 41.2/48



Right In: 21.612+/-0.005 χ^2/NDF: 24245.4/20

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.721+/-0.004 χ^2/NDF: 24334.6/25

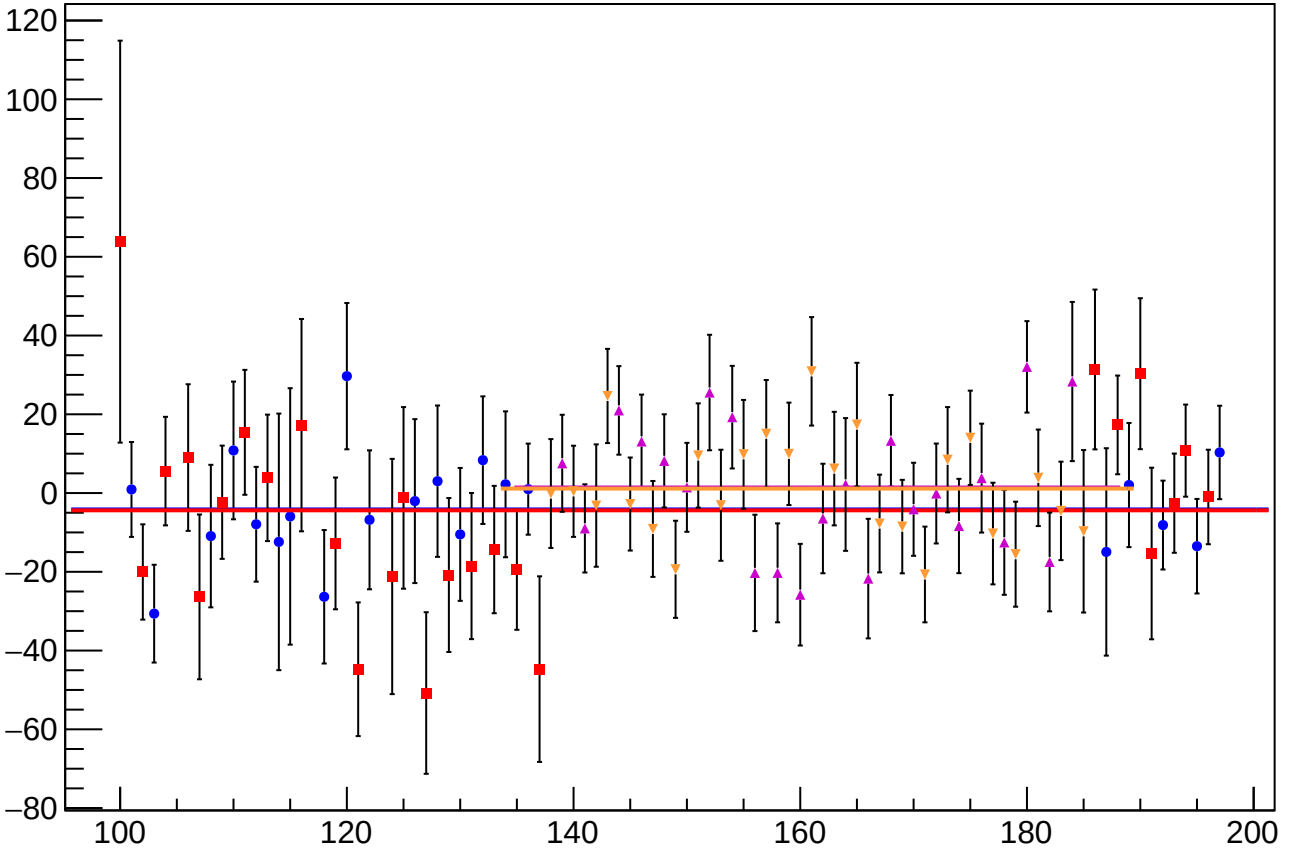
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

\+ sign 21.663+/-0.003 χ^2/NDF: 42360.8/45

All: 21.666+/-0.002 χ^2/NDF: 87487.8/94

\- sign 21.668+/-0.003 χ^2/NDF: 45125.1/48

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.163+/-3.411 χ^2/NDF: 14.5/20

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -4.385+/-3.266 χ^2/NDF: 36.4/25

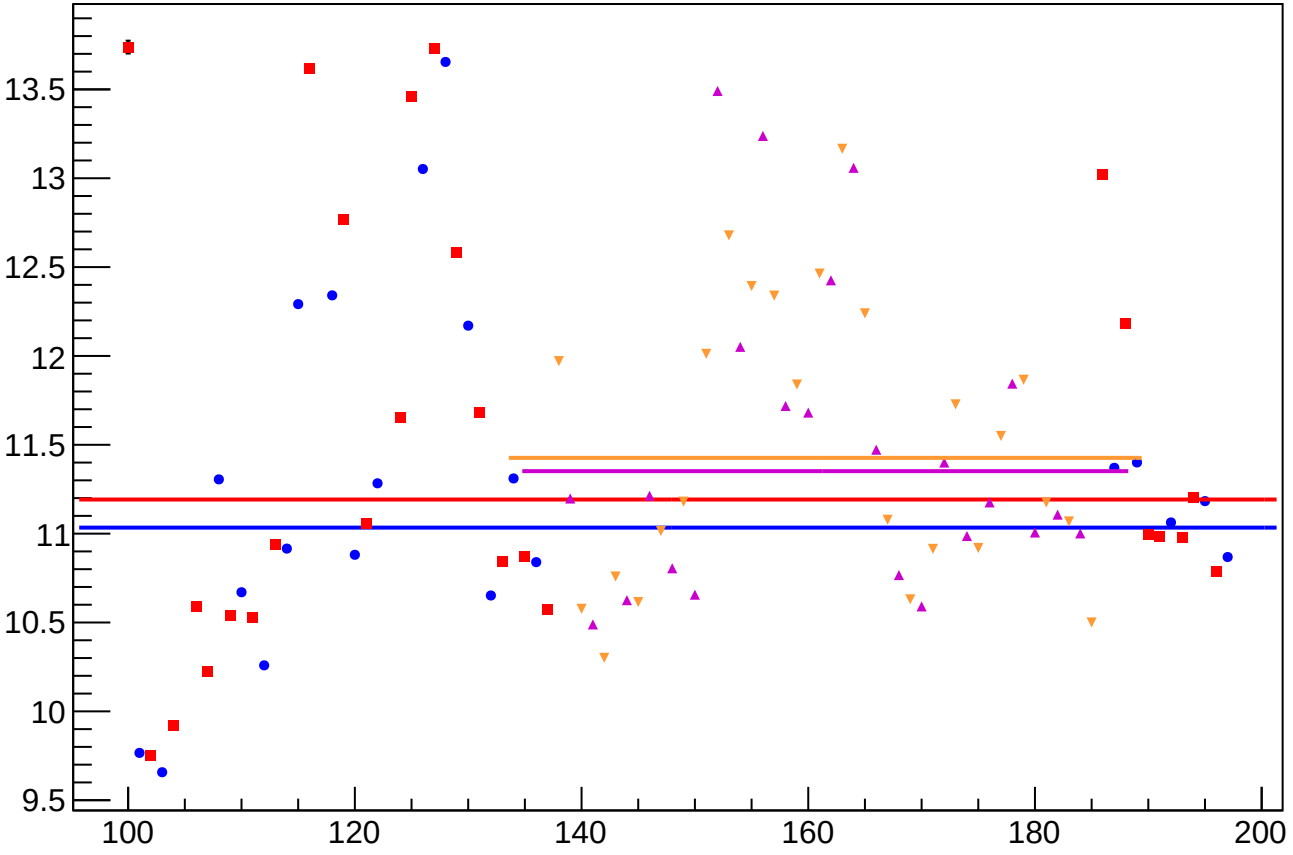
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.830+/-2.078 χ^2/NDF: 40.6/45

All: -0.874+/-1.466 χ^2/NDF: 115.2/94

- sign -0.918+/-2.069 χ^2/NDF: 74.6/48

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.034+/-0.002 χ^2/NDF: 138422.0/20

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

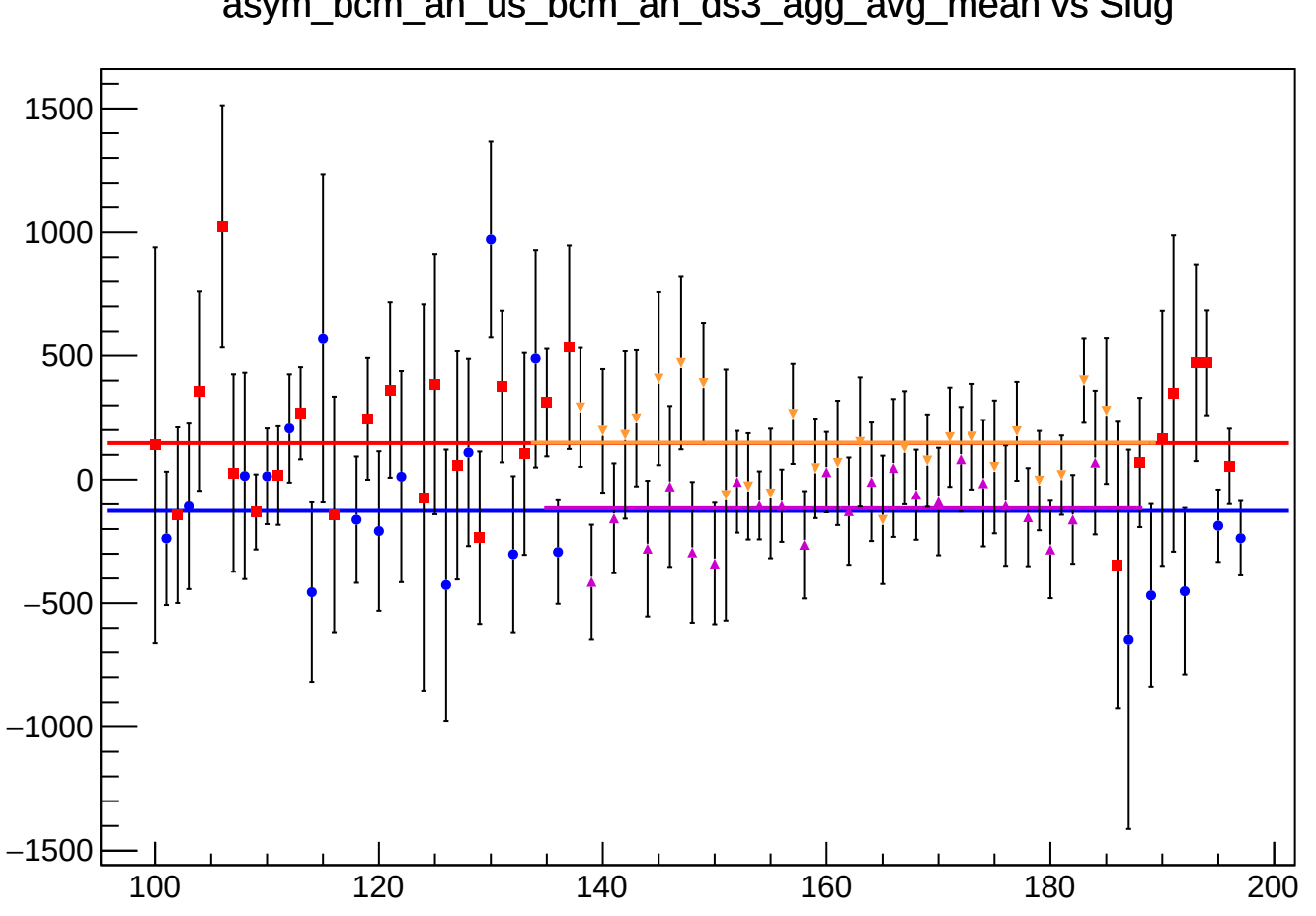
Right Out: 11.192+/-0.002 χ^2/NDF: 196019.1/25

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

\+ sign 11.281+/-0.001 χ^2/NDF: 312054.7/45

All: 11.284+/-0.001 χ^2/NDF: 681507.9/94

\- sign 11.288+/-0.001 χ^2/NDF: 369442.3/48



Right In: -126.274+/-59.774 χ^2/NDF: 19.5/20

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 147.443+/-56.792 χ^2/NDF: 17.2/25

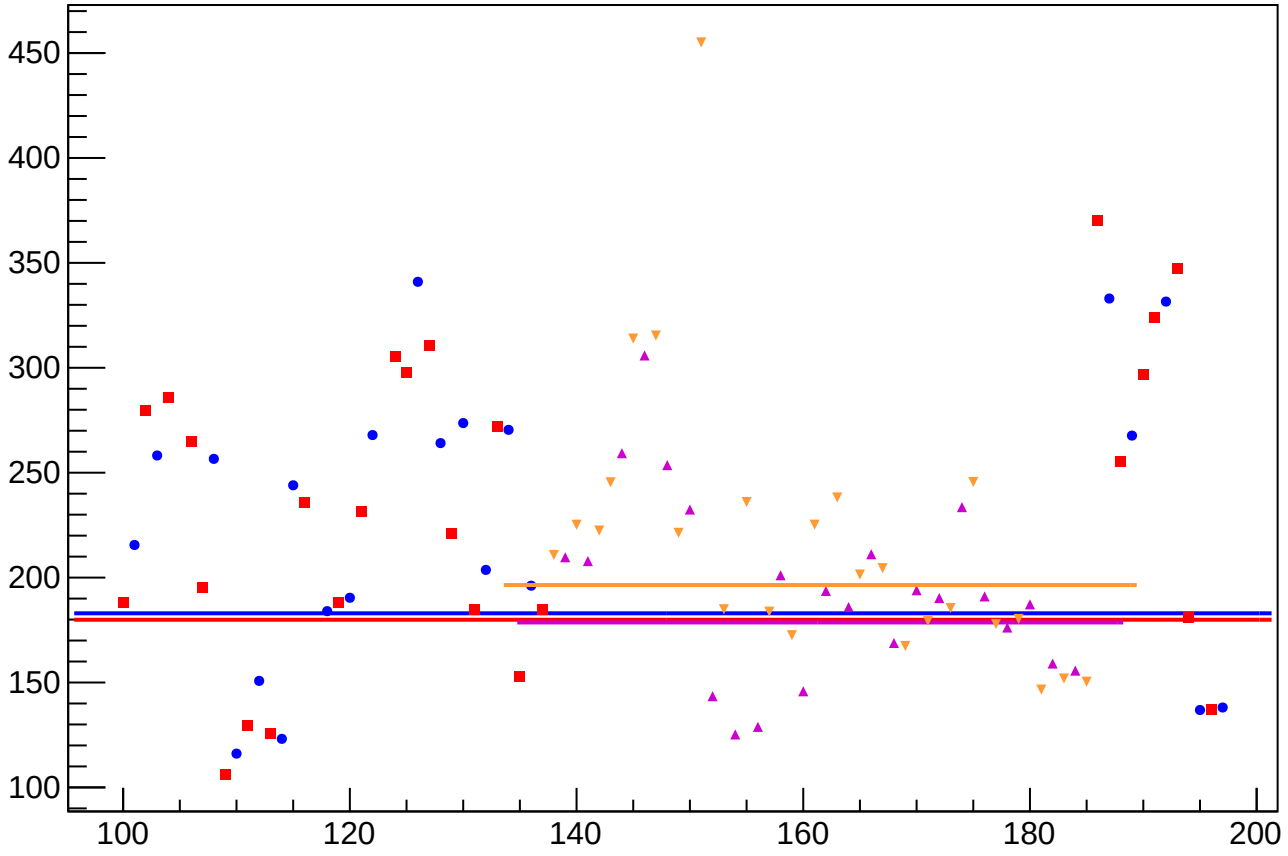
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 45.698+/-36.607 χ^2/NDF: 43.2/45

All: 12.054+/-25.147 χ^2/NDF: 83.4/94

- sign -18.010+/-34.604 χ^2/NDF: 38.5/48

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 182.981+/-0.042 χ^2/NDF: 2032820.9/20

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

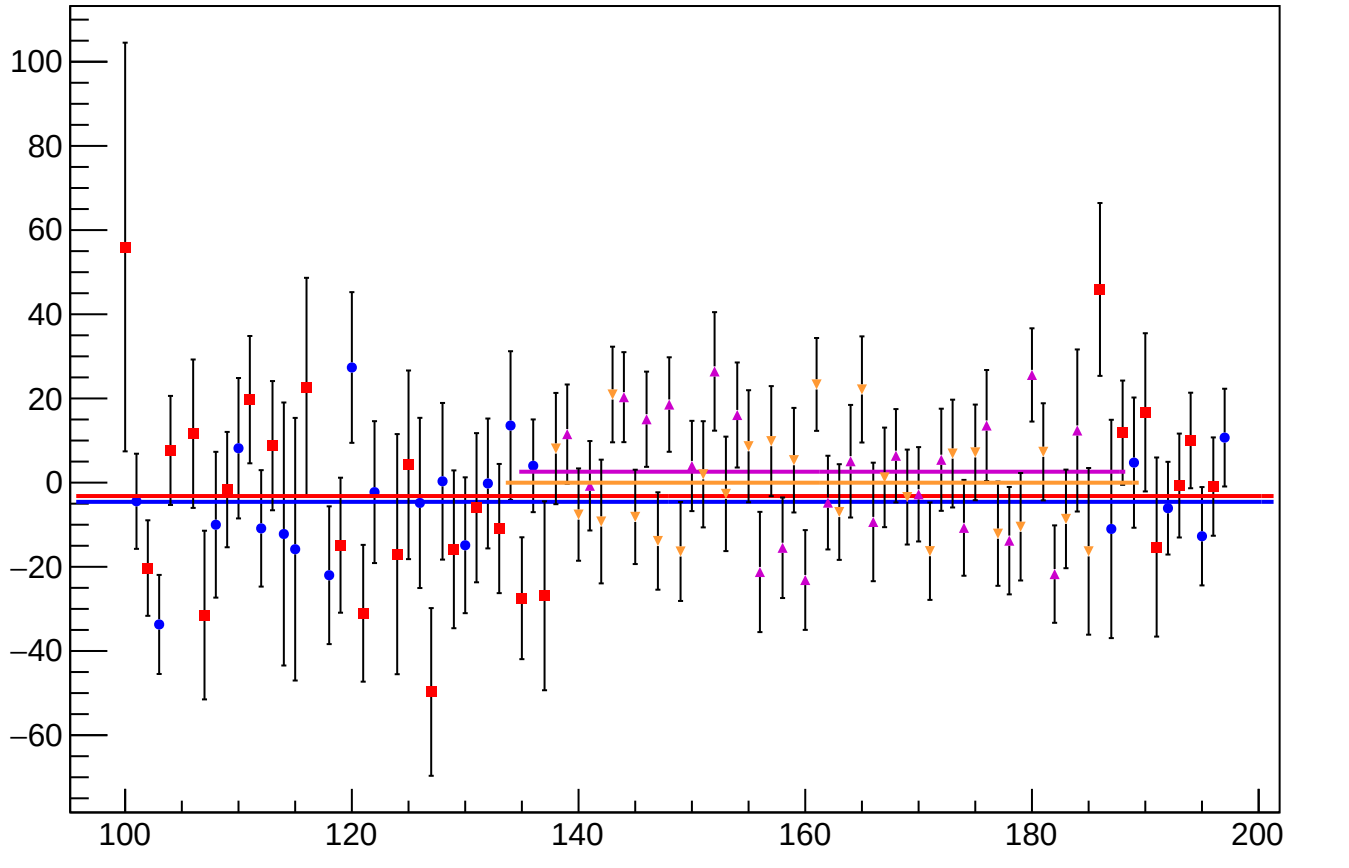
Right Out: 179.912+/-0.040 χ^2/NDF: 2774585.0/25

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 191.401+/-0.026 χ^2/NDF: 3915066.4/45

All: 184.903+/-0.018 χ^2/NDF: 8488515.1/94

- sign 179.096+/-0.024 χ^2/NDF: 4454101.7/48



Right In: -4.566+/-3.277 χ^2/NDF: 16.4/20

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.186+/-3.142 χ^2/NDF: 35.1/25

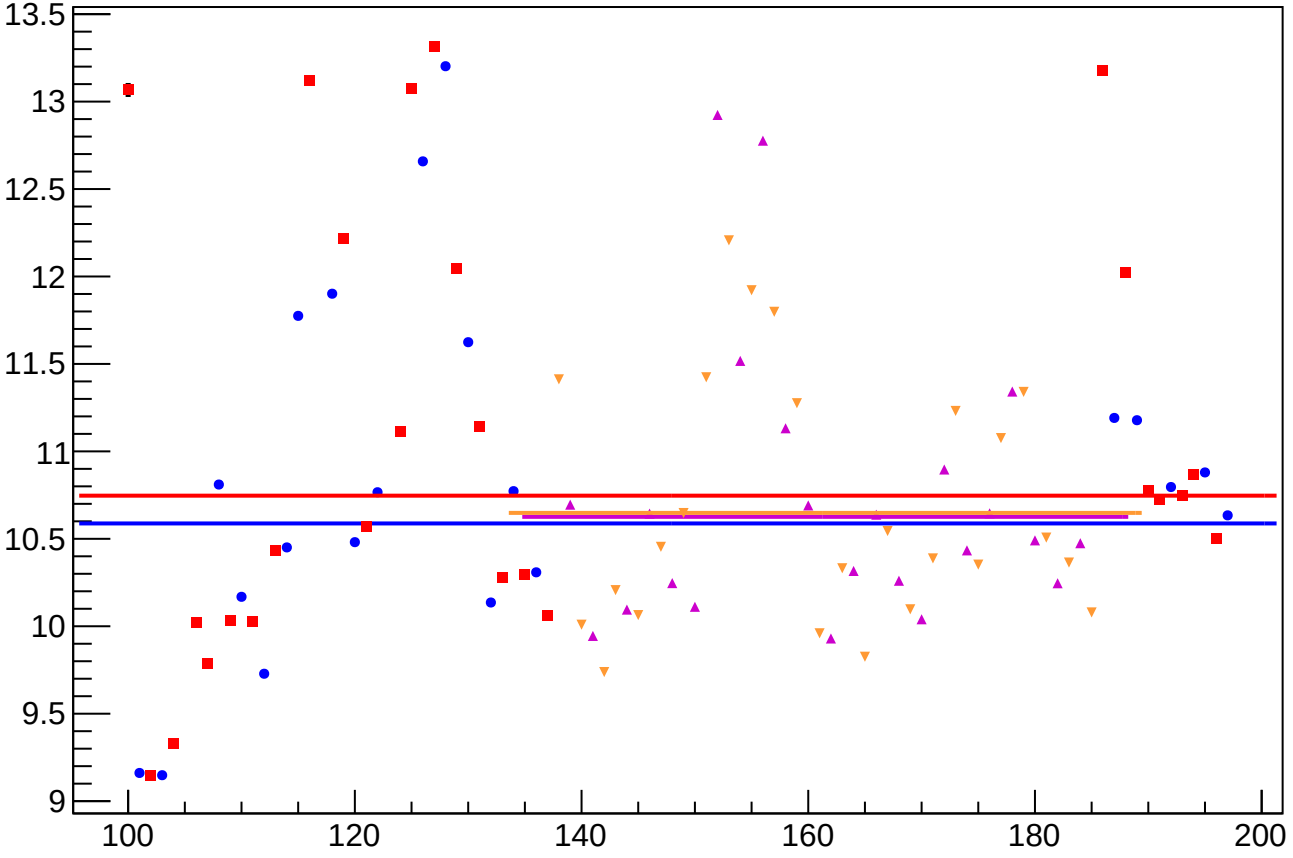
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.644+/-1.960 χ^2/NDF: 41.4/45

All: -0.649+/-1.385 χ^2/NDF: 113.8/94

- sign 0.345+/-1.959 χ^2/NDF: 71.9/48

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.588+/-0.002 χ^2/NDF: 165126.4/20

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

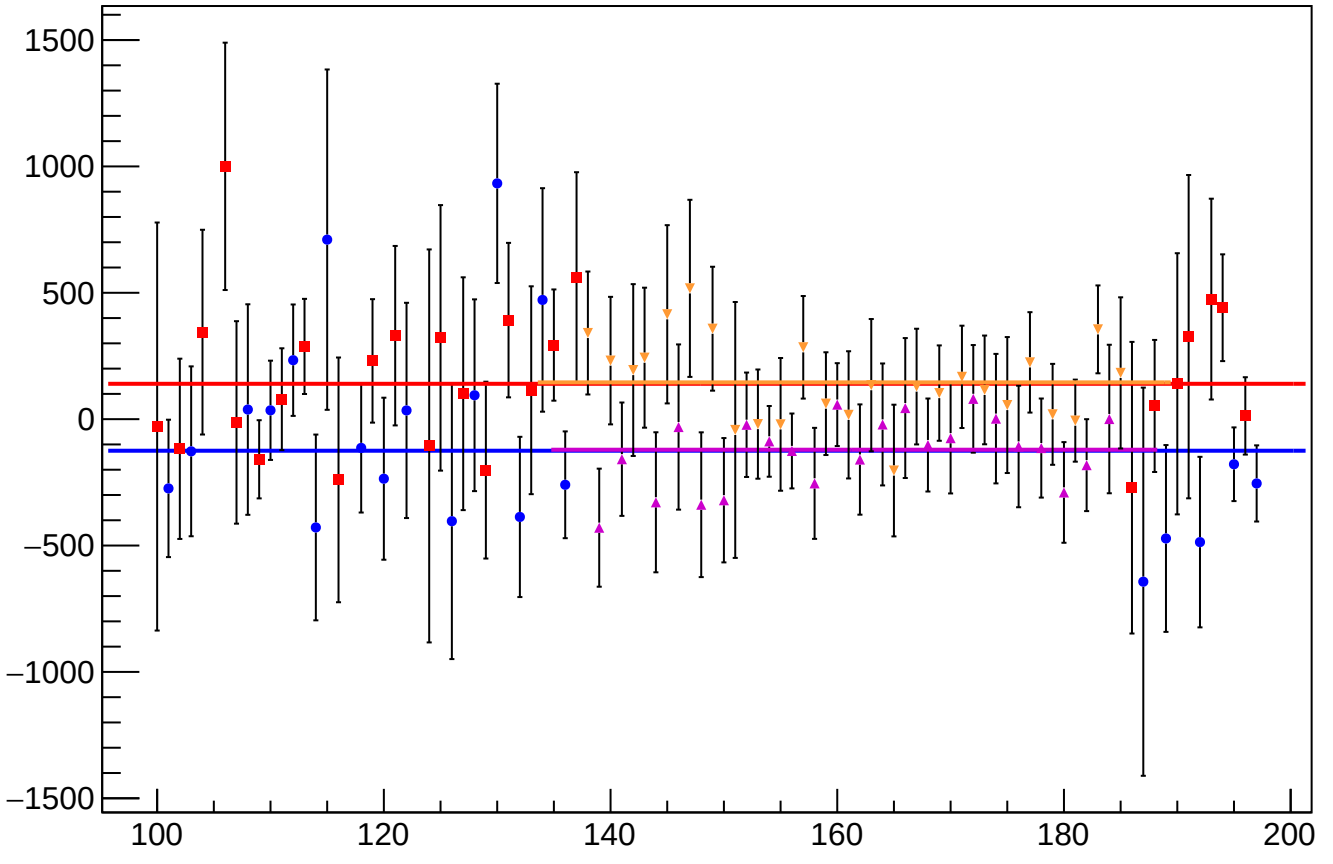
Right Out: 10.747+/-0.002 χ^2/NDF: 242619.1/25

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.627+/-0.001 χ^2/NDF: 309098.2/45

All: 10.650+/-0.001 χ^2/NDF: 713627.9/94

- sign 10.673+/-0.001 χ^2/NDF: 403977.1/48



Right In: -124.873+/-59.985 χ^2/NDF: 20.3/20

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 139.940+/-57.163 χ^2/NDF: 17.0/25

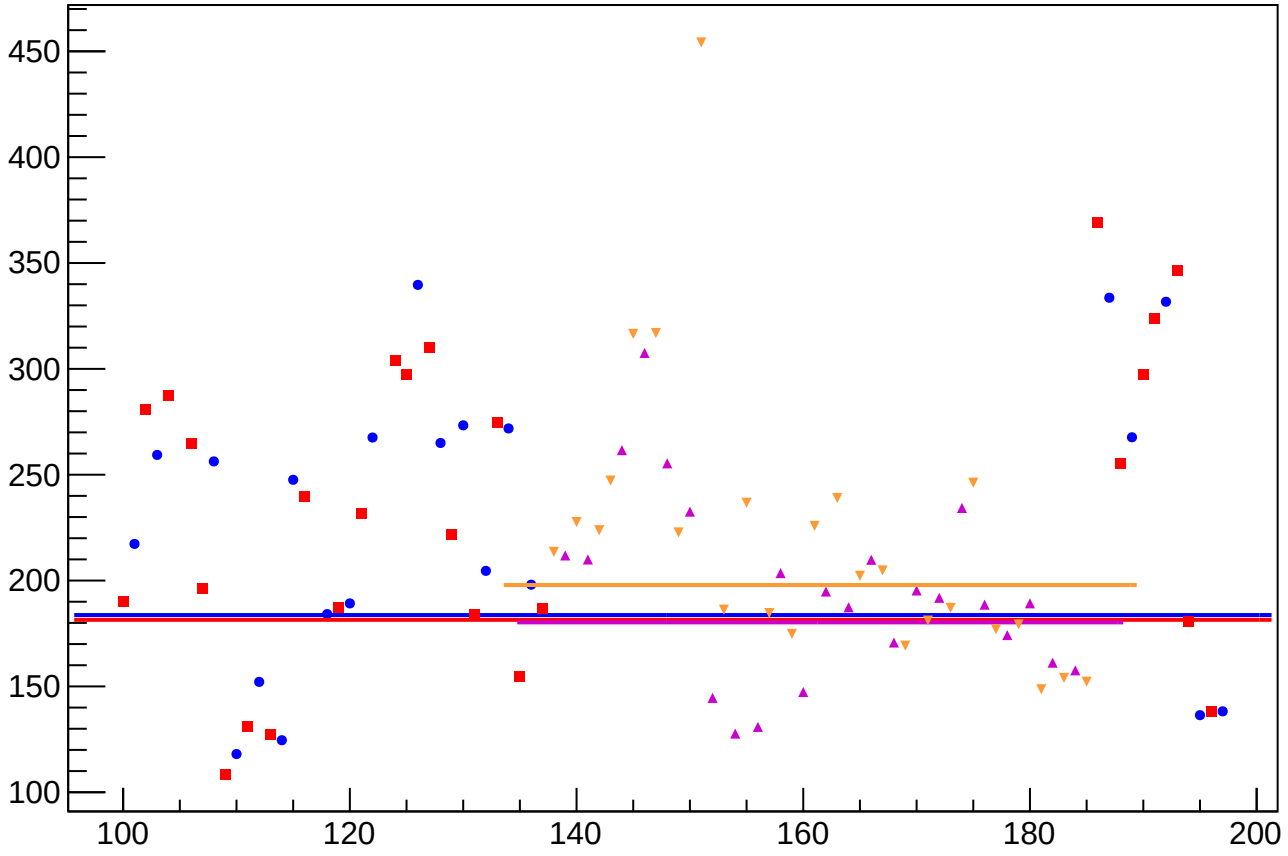
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 43.731+/-36.807 χ^2/NDF: 43.3/45

All: 8.104+/-25.312 χ^2/NDF: 83.4/94

- sign -23.864+/-34.864 χ^2/NDF: 38.3/48

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 183.718+/-0.042 χ^2/NDF: 2018241.8/20

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

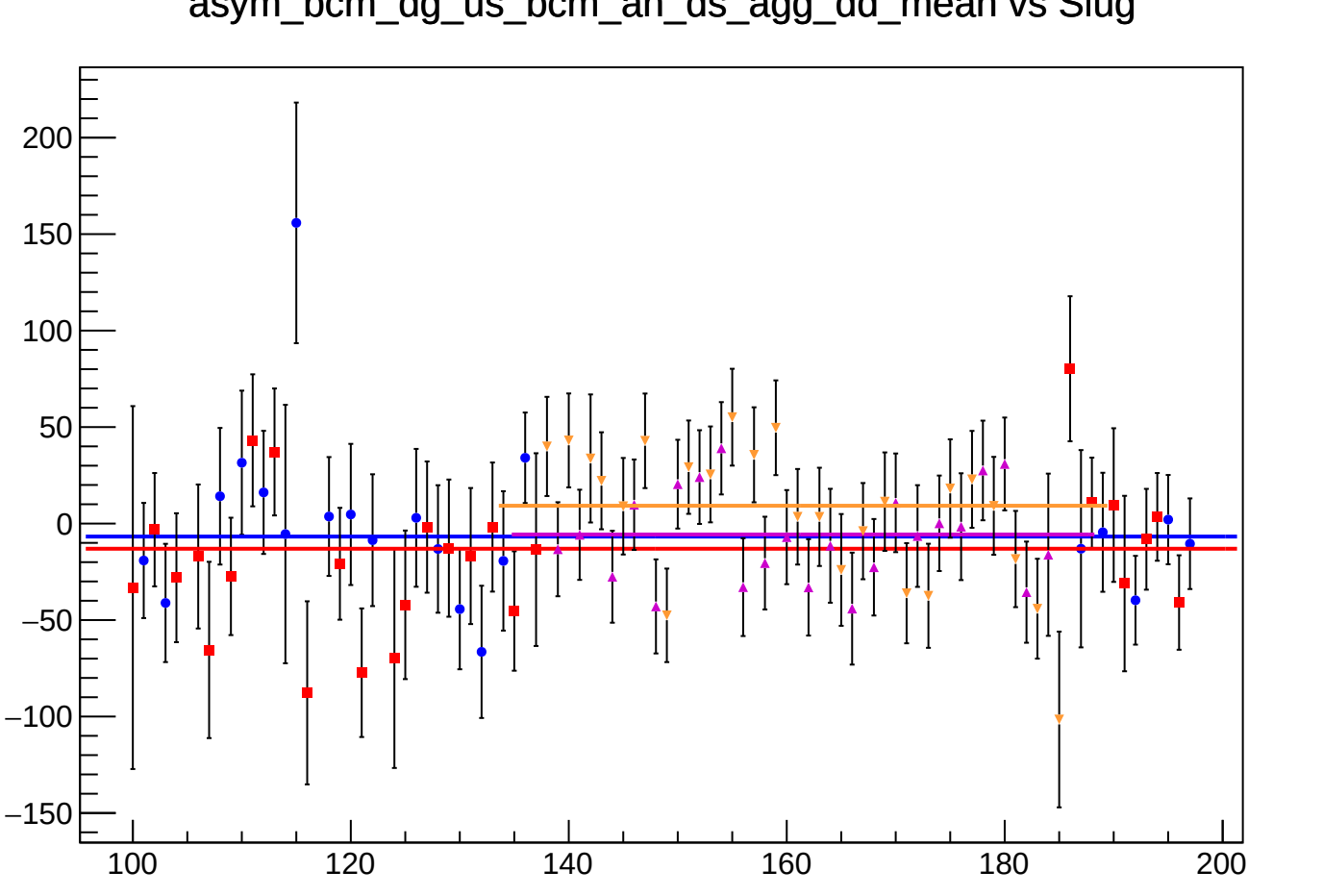
Right Out: 181.455+/-0.040 χ^2/NDF: 2701017.2/25

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 192.554+/-0.026 χ^2/NDF: 3876701.4/45

All: 186.304+/-0.018 χ^2/NDF: 8315459.7/94

- sign 180.697+/-0.025 χ^2/NDF: 4329354.2/48



Right In: -6.737+/-6.901 χ^2/NDF: 20.4/20

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -13.047+/-6.556 χ^2/NDF: 25.6/25

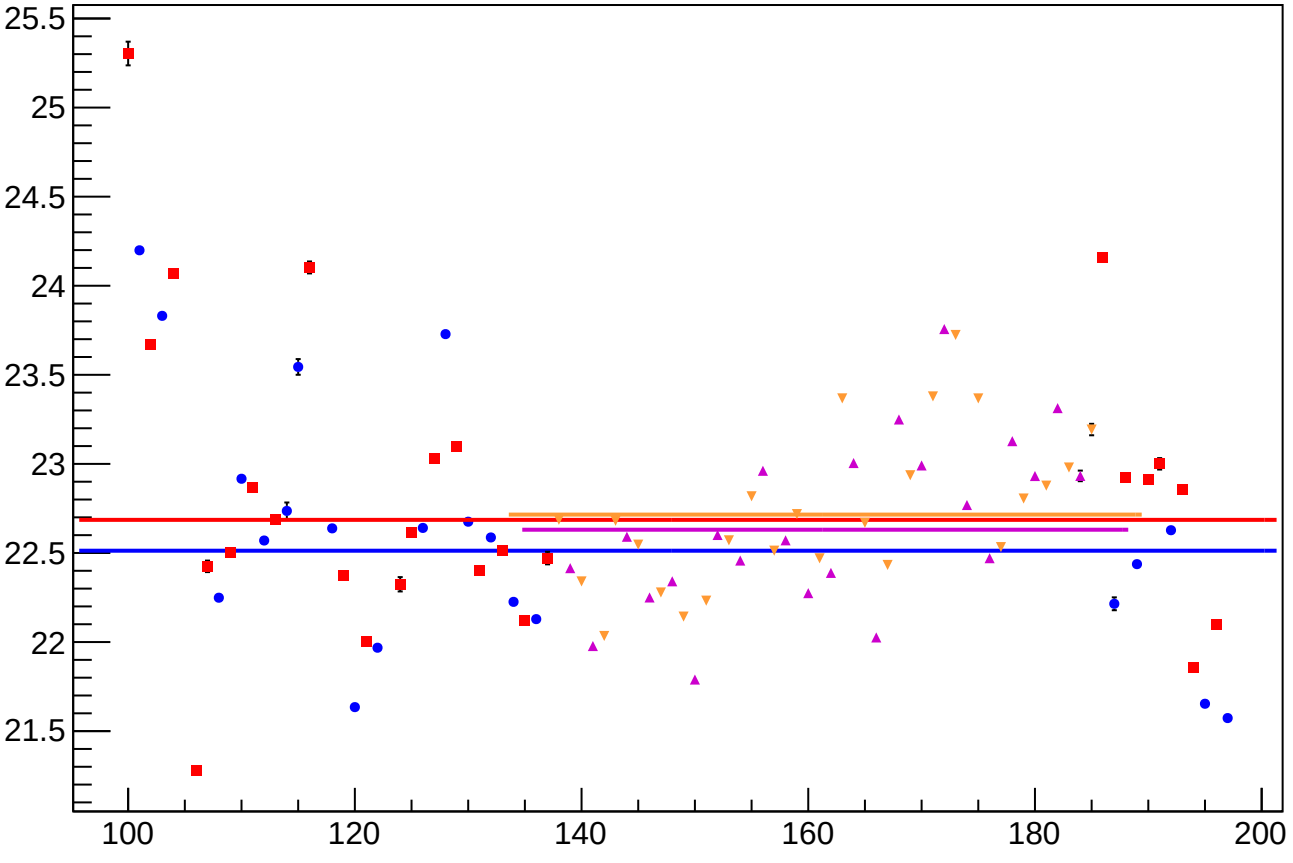
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.503+/-4.134 χ^2/NDF: 63.2/45

All: -2.563+/-2.916 χ^2/NDF: 114.7/94

- sign -8.575+/-4.115 χ^2/NDF: 47.2/48

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.513+/-0.005 χ^2/NDF: 22254.5/20

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

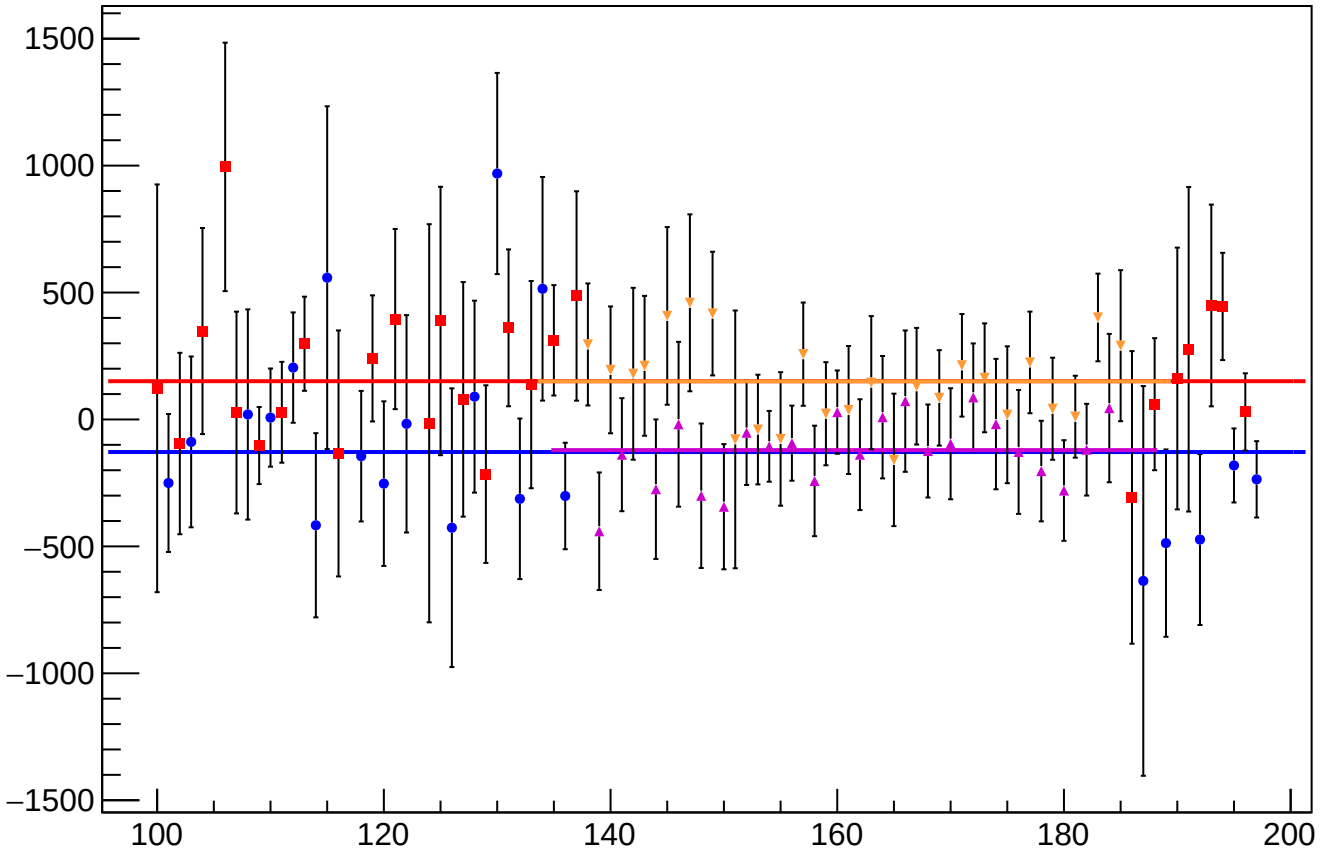
Right Out: 22.686+/-0.005 χ^2/NDF: 21869.2/25

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.643+/-0.003 χ^2/NDF: 35543.0/45

All: 22.648+/-0.002 χ^2/NDF: 72895.2/94

- sign 22.652+/-0.003 χ^2/NDF: 37346.8/48



Right In: -128.303+/-59.795 χ^2/NDF: 19.6/20

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: 150.756+/-56.830 χ^2/NDF: 15.5/25

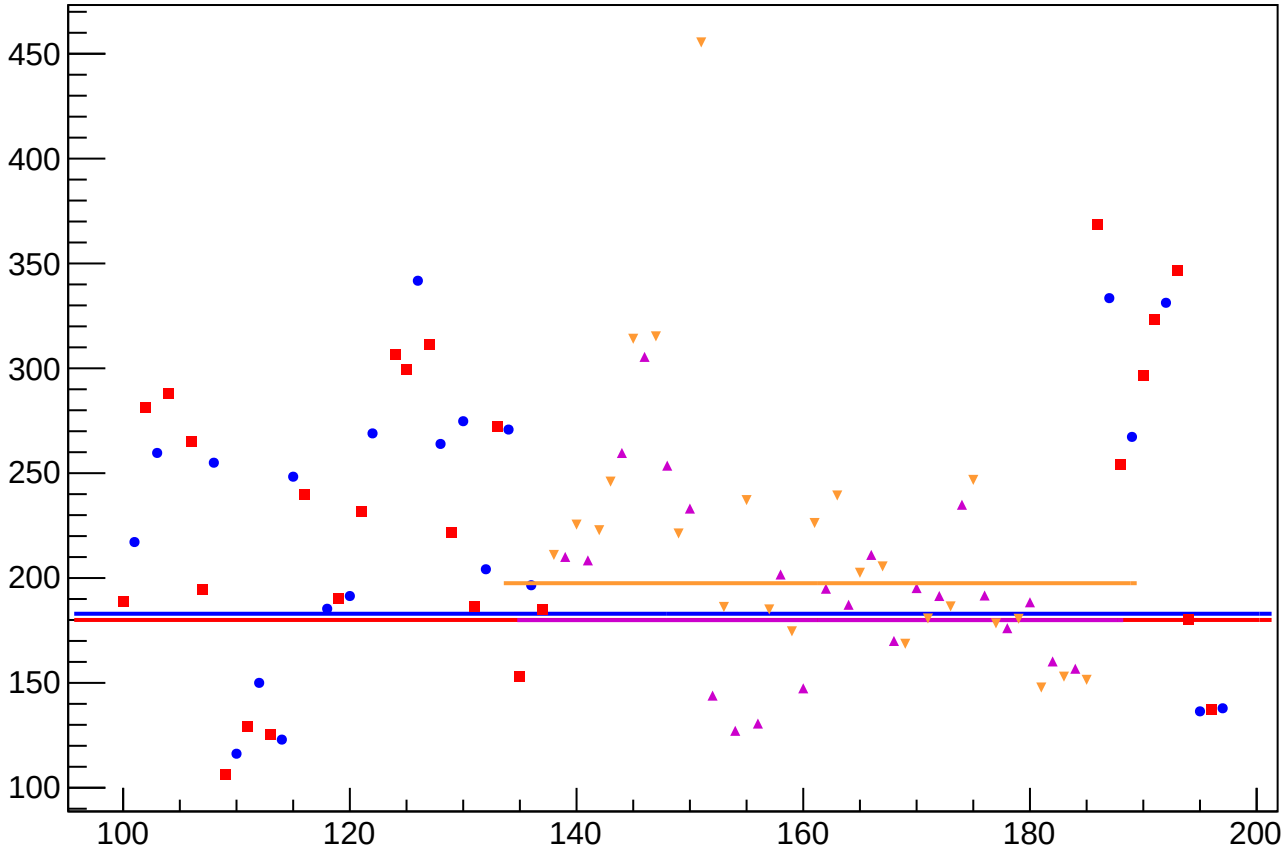
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 45.158+/-36.724 χ^2/NDF: 44.1/45

All: 11.187+/-25.242 χ^2/NDF: 83.4/94

- sign -19.232+/-34.752 χ^2/NDF: 37.7/48

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.968+/-0.042 χ^2/NDF: 2051593.0/20

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

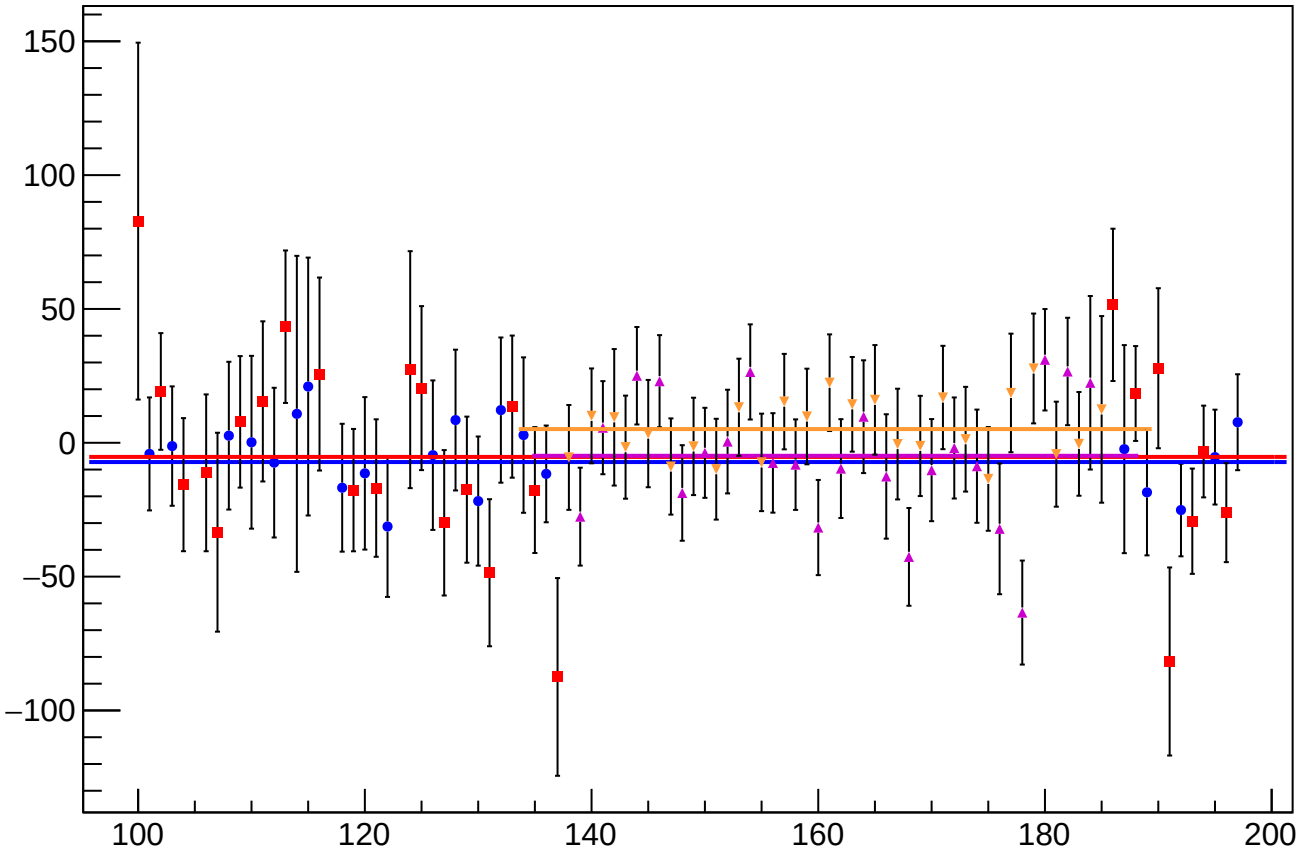
Right Out: 180.009+/-0.040 χ^2/NDF: 2786533.3/25

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 192.040+/-0.026 χ^2/NDF: 3915400.9/45

All: 185.664+/-0.018 χ^2/NDF: 8440331.7/94

- sign 179.955+/-0.025 χ^2/NDF: 4410680.4/48



Right In: -7.200+/-5.336 χ^2/NDF: 5.2/20

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

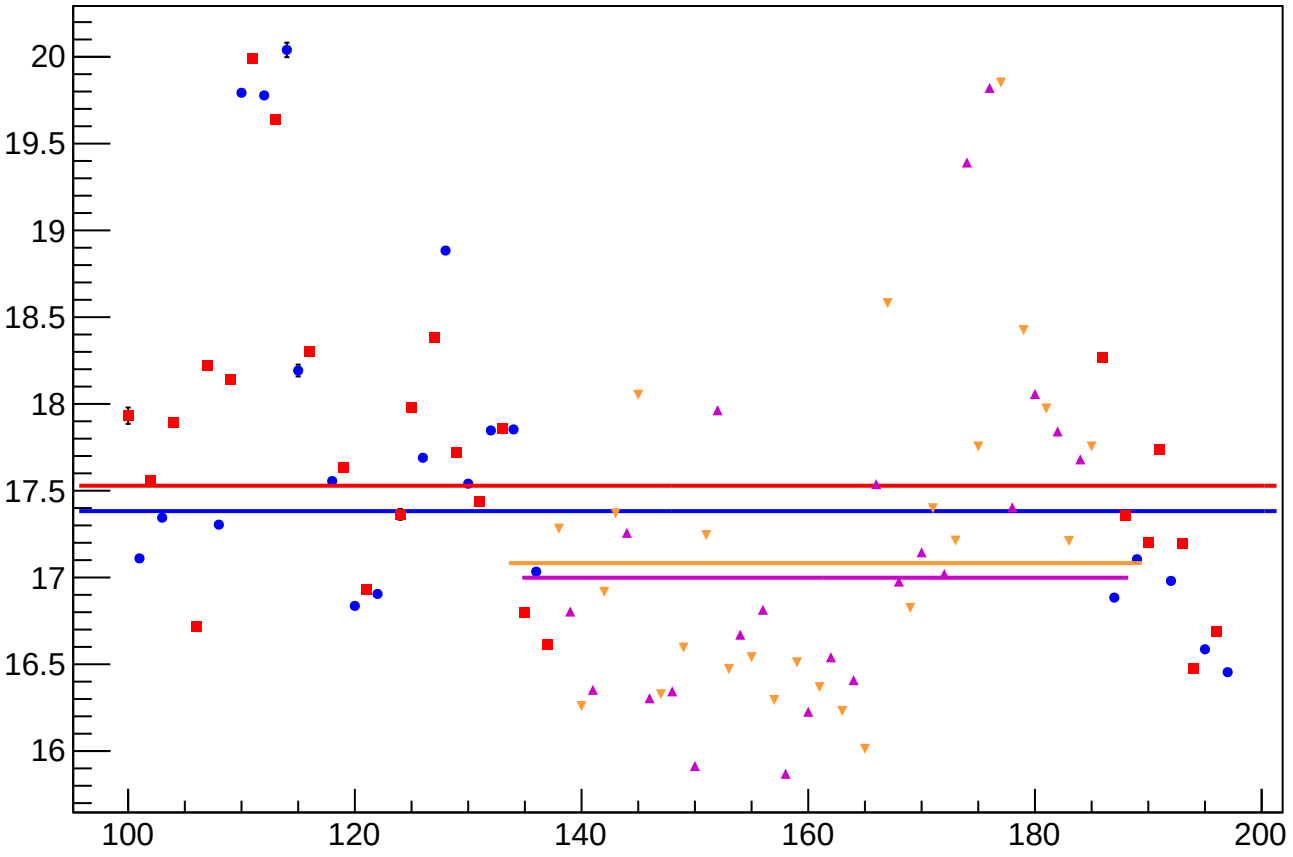
Right Out: -5.275+/-5.072 χ^2/NDF: 33.7/25

Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.844+/-3.143 χ^2/NDF: 16.6/45

All: -2.098+/-2.218 χ^2/NDF: 87.5/94

- sign -5.017+/-3.131 χ^2/NDF: 69.2/48



Right In: 17.382+/-0.004 χ^2/NDF: 52087.2/20

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

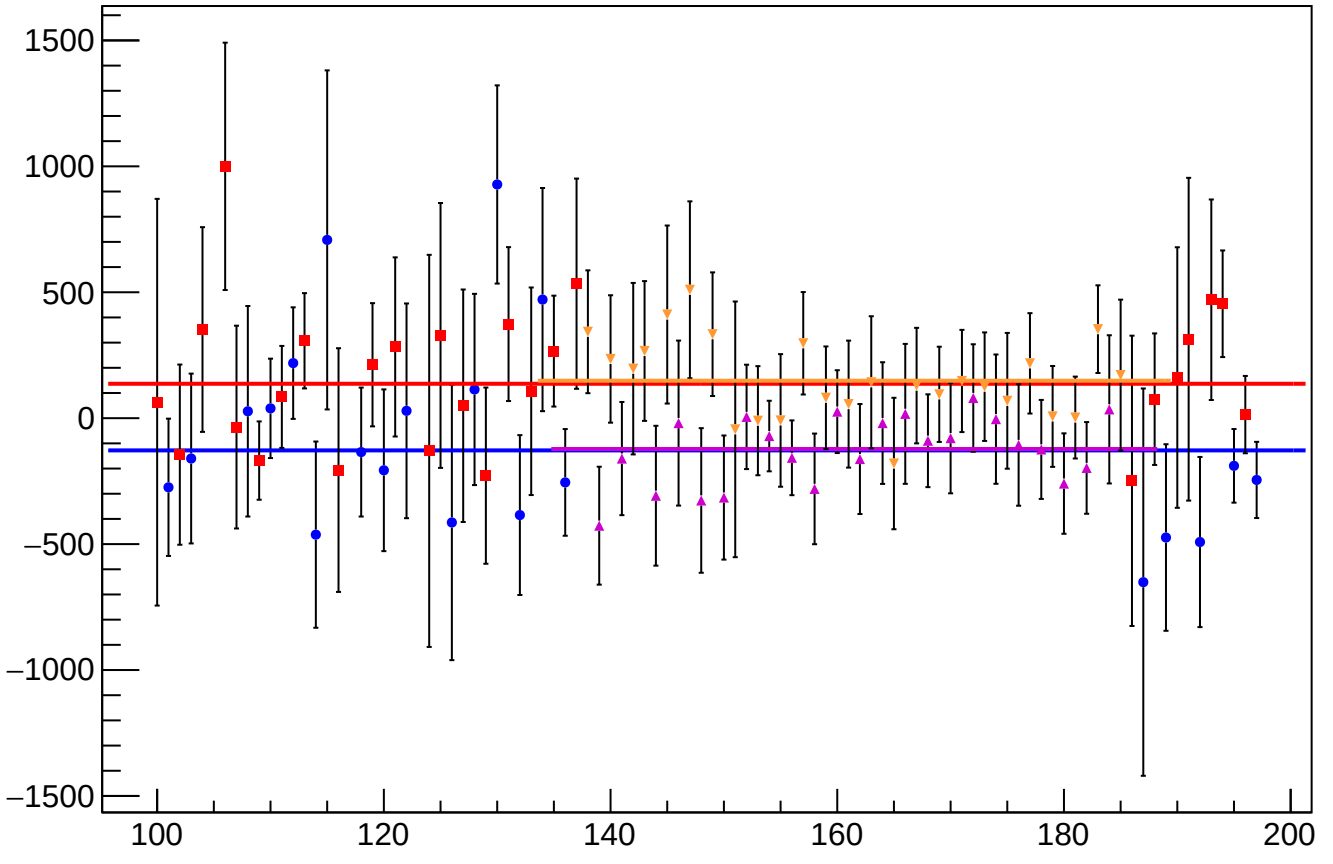
Right Out: 17.529+/-0.004 χ^2/NDF: 50611.4/25

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.187+/-0.002 χ^2/NDF: 152976.7/45

All: 17.194+/-0.002 χ^2/NDF: 321143.8/94

\- sign 17.201+/-0.002 χ^2/NDF: 168147.6/48



Right In: -127.928+/-60.159 χ^2/NDF: 20.2/20

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 136.653+/-57.329 χ^2/NDF: 17.1/25

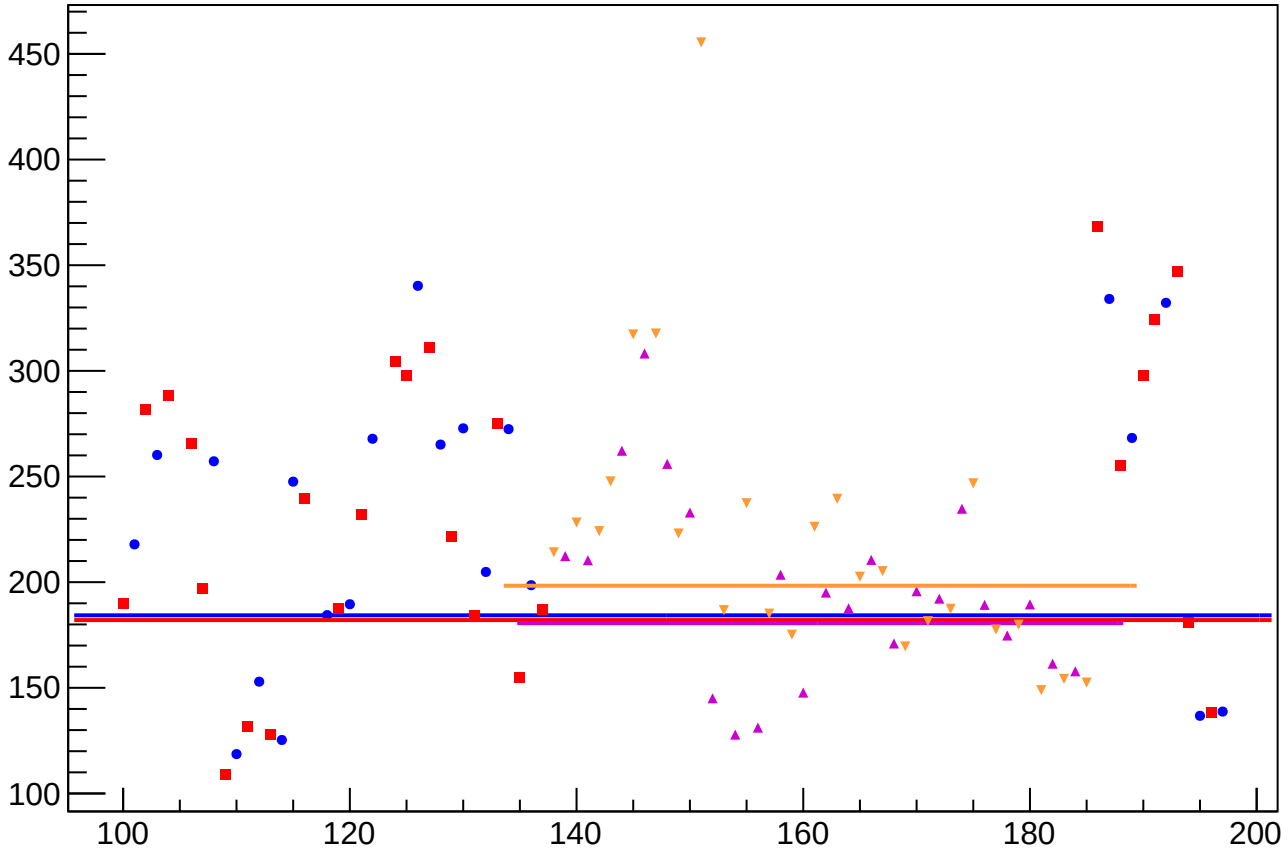
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 44.681+/-36.896 χ^2/NDF: 42.9/45

All: 7.352+/-25.372 χ^2/NDF: 82.6/94

- sign -26.133+/-34.945 χ^2/NDF: 37.8/48

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 184.310+/-0.043 χ^2/NDF: 2005905.6/20

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

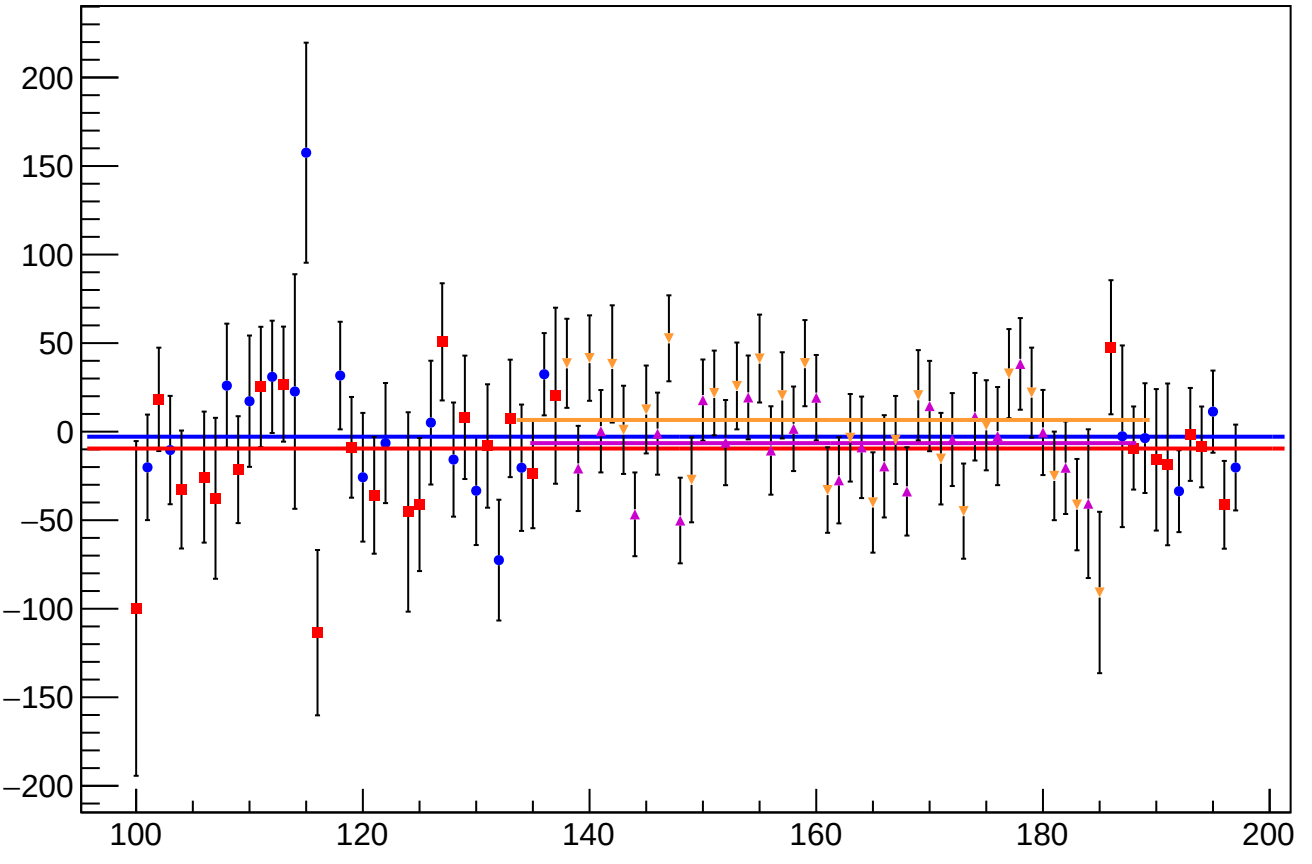
Right Out: 182.057+/-0.041 χ^2/NDF: 2683046.0/25

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 193.046+/-0.026 χ^2/NDF: 3863786.5/45

All: 186.771+/-0.018 χ^2/NDF: 8285450.9/94

- sign 181.142+/-0.025 χ^2/NDF: 4311928.6/48



Right In: -2.850+/-6.880 χ^2/NDF: 21.6/20

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

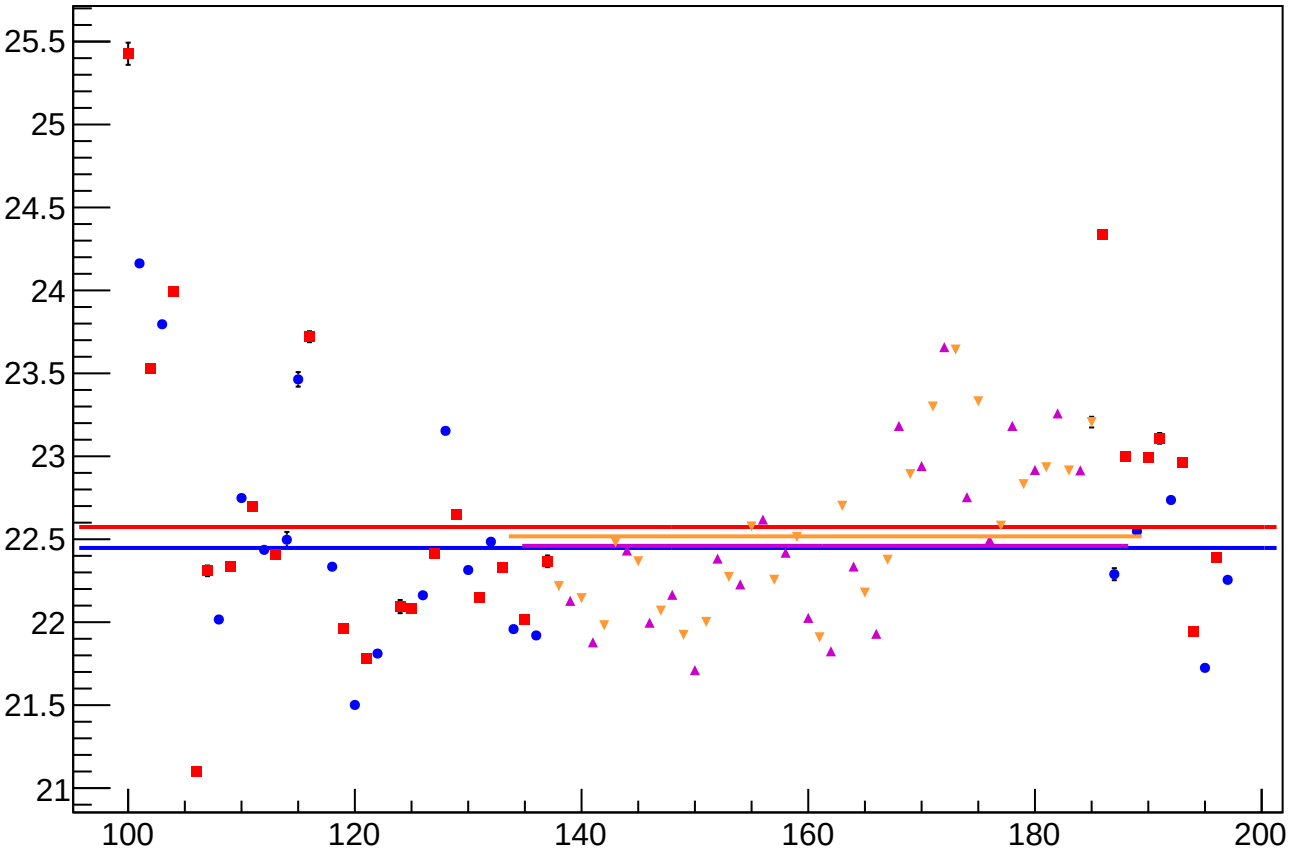
Right Out: -9.533+/-6.523 χ^2/NDF: 20.5/25

Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.241+/-4.106 χ^2/NDF: 59.7/45

All: -2.243+/-2.897 χ^2/NDF: 101.4/94

- sign -7.680+/-4.088 χ^2/NDF: 38.1/48



Right In: 22.448+/-0.005 χ^2/NDF: 18532.9/20

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

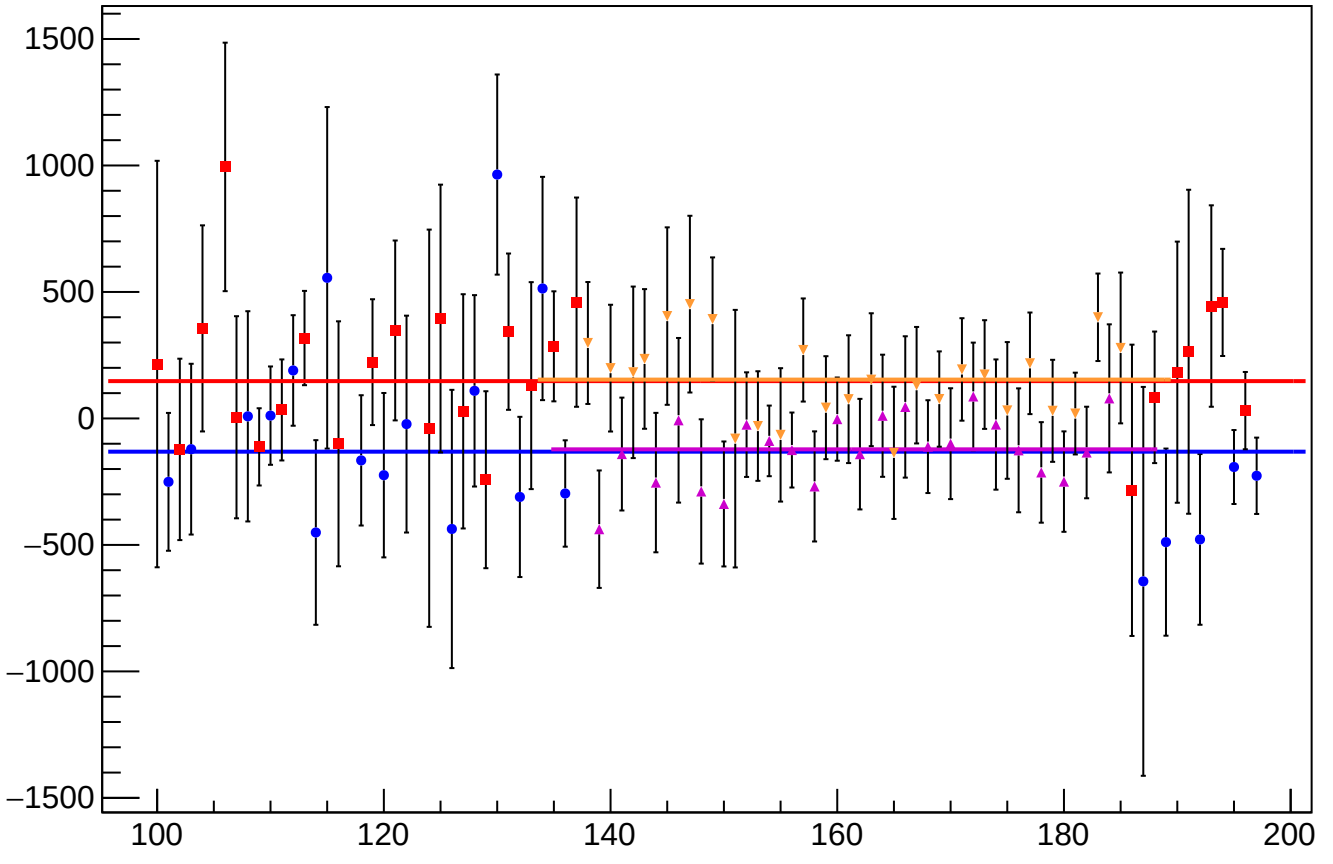
Right Out: 22.574+/-0.005 χ^2/NDF: 23531.0/25

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.493+/-0.003 χ^2/NDF: 34668.2/45

All: 22.499+/-0.002 χ^2/NDF: 77693.1/94

- sign 22.505+/-0.003 χ^2/NDF: 43015.9/48



Right In: -131.412+/-59.971 χ^2/NDF: 19.4/20

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 147.517+/-56.998 χ^2/NDF: 15.6/25

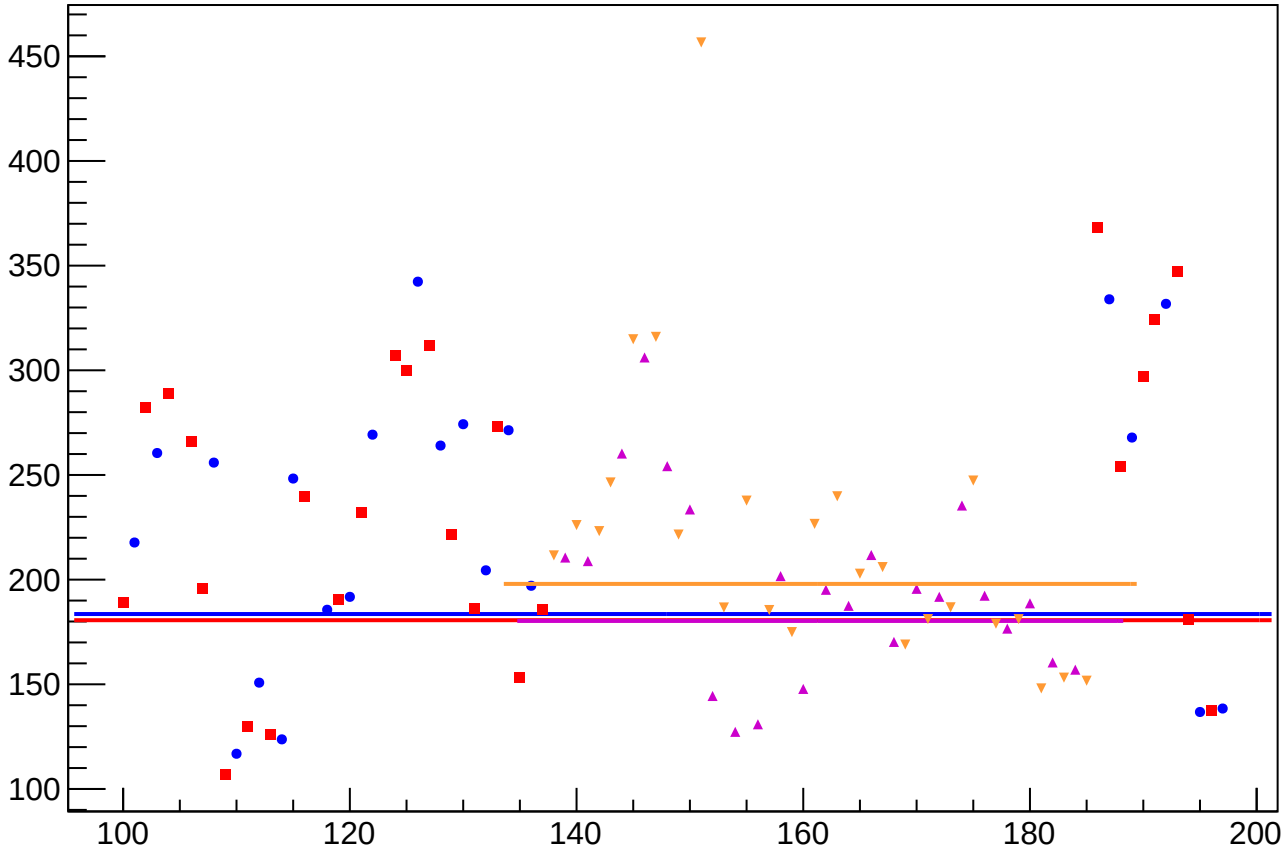
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 46.138+/-36.815 χ^2/NDF: 43.6/45

All: 10.476+/-25.302 χ^2/NDF: 82.4/94

- sign -21.449+/-34.833 χ^2/NDF: 37.1/48

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 183.568+/-0.042 χ^2/NDF: 2038662.3/20

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

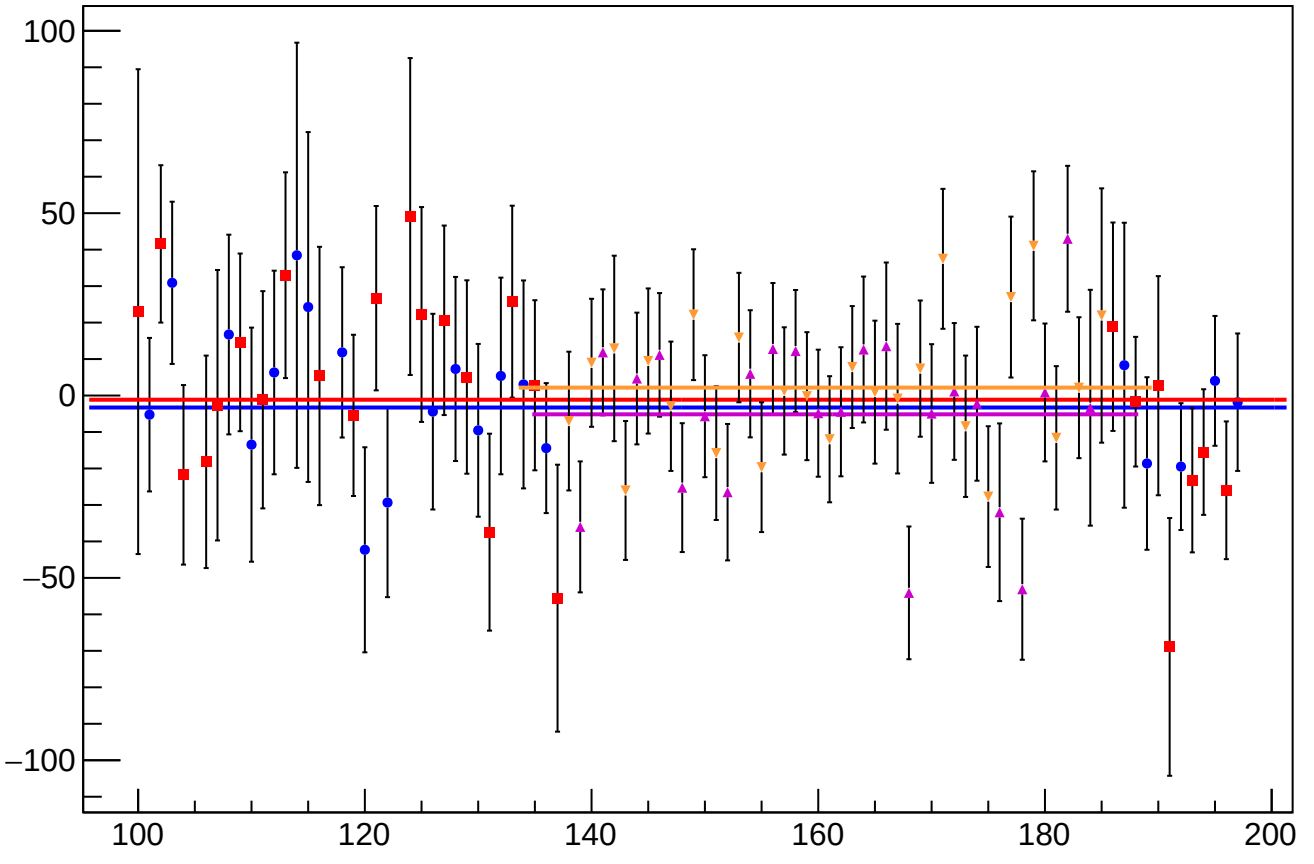
Right Out: 180.622+/-0.040 χ^2/NDF: 2767571.5/25

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 192.535+/-0.026 χ^2/NDF: 3901765.1/45

All: 186.134+/-0.018 χ^2/NDF: 8408642.1/94

- sign 180.404+/-0.025 χ^2/NDF: 4392300.8/48



Right In: -3.284+/-5.315 χ^2/NDF: 9.7/20

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

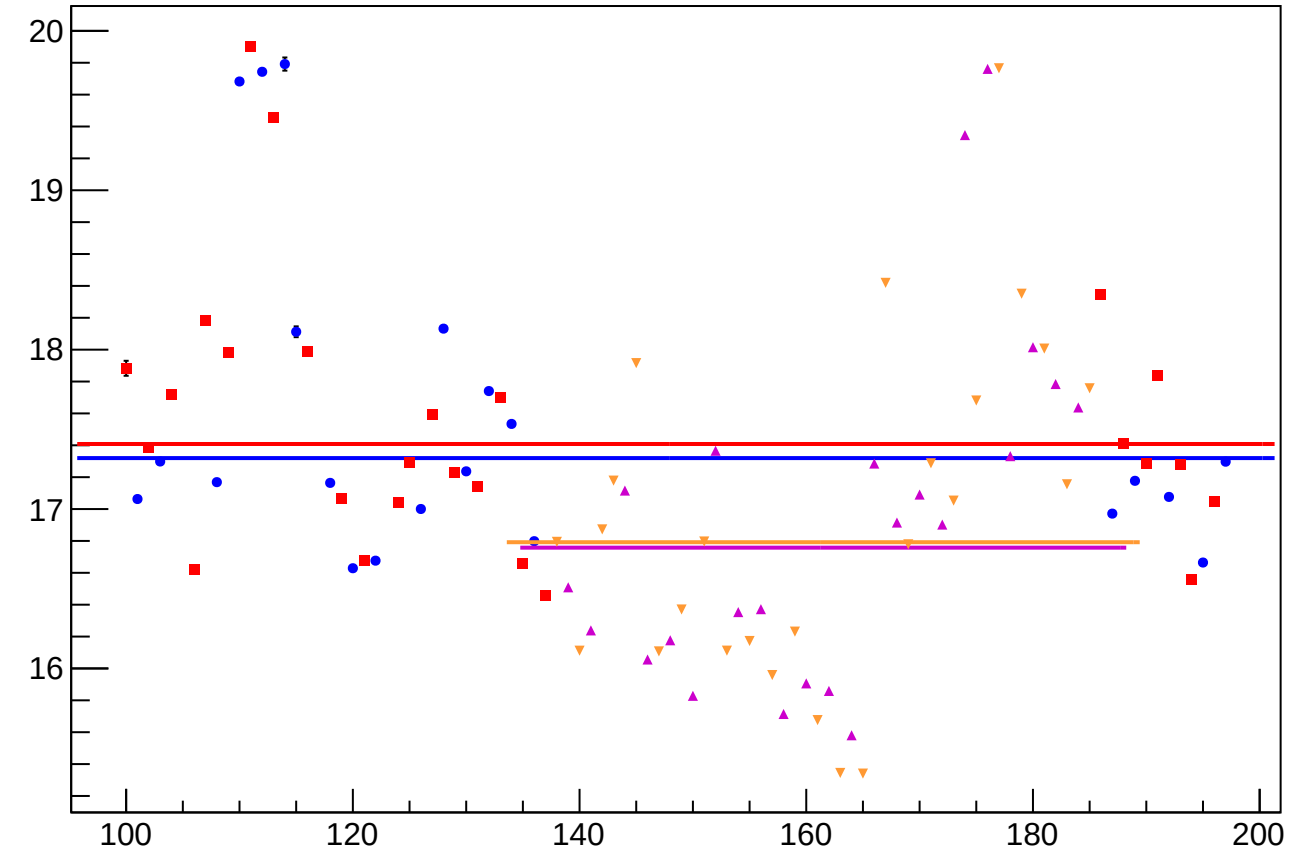
Right Out: -1.146+/-5.036 χ^2/NDF: 23.9/25

Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.312+/-3.105 χ^2/NDF: 30.3/45

All: -1.669+/-2.192 χ^2/NDF: 87.8/94

- sign -3.638+/-3.095 χ^2/NDF: 56.6/48



Right In: 17.320+/-0.004 χ^2/NDF: 40974.4/20

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

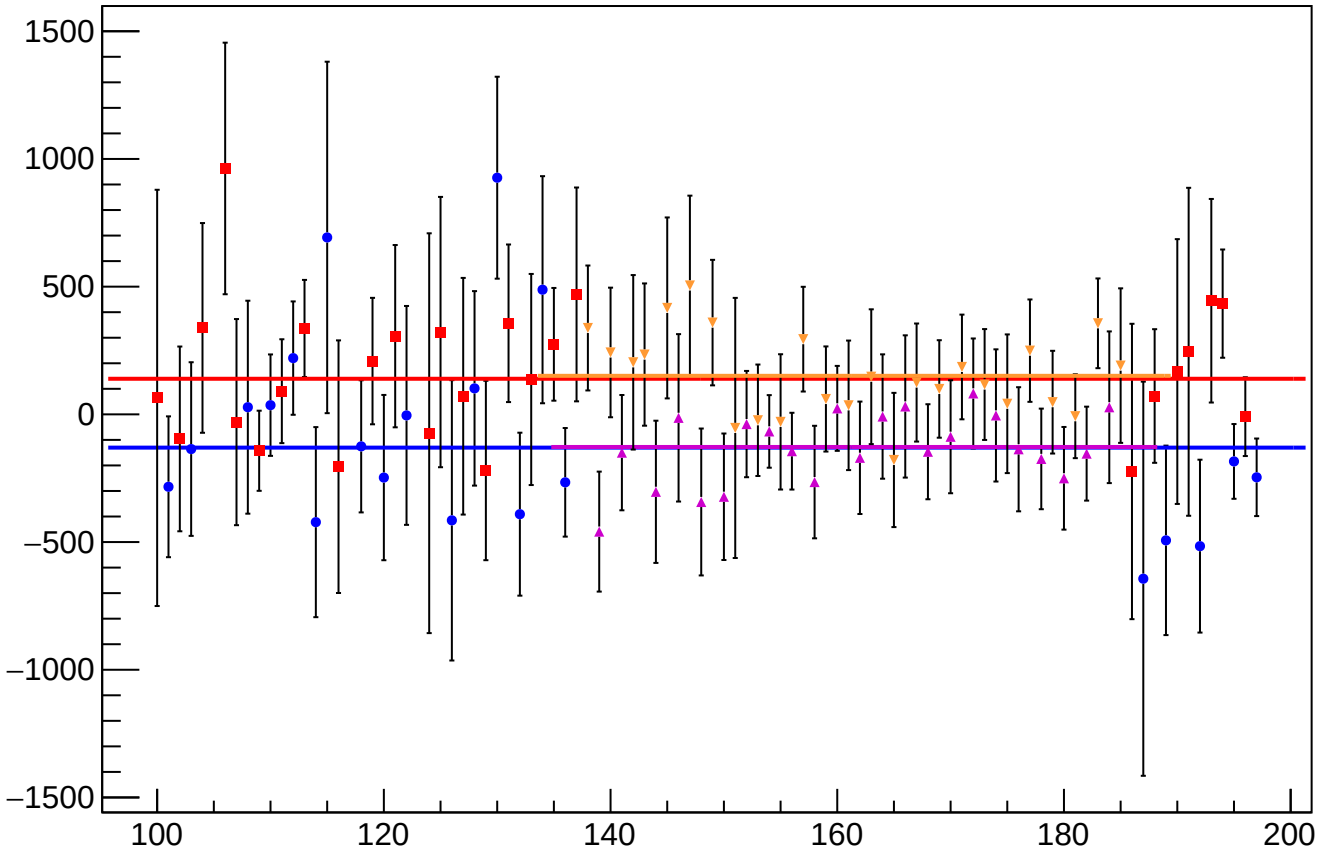
Right Out: 17.408+/-0.004 χ^2/NDF: 43559.8/25

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.972+/-0.002 χ^2/NDF: 190966.9/45

All: 16.988+/-0.002 χ^2/NDF: 378691.7/94

\- sign 17.004+/-0.002 χ^2/NDF: 187621.9/48



Right In: -130.252+/-60.425 χ^2/NDF: 20.1/20

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 139.343+/-57.636 χ^2/NDF: 15.5/25

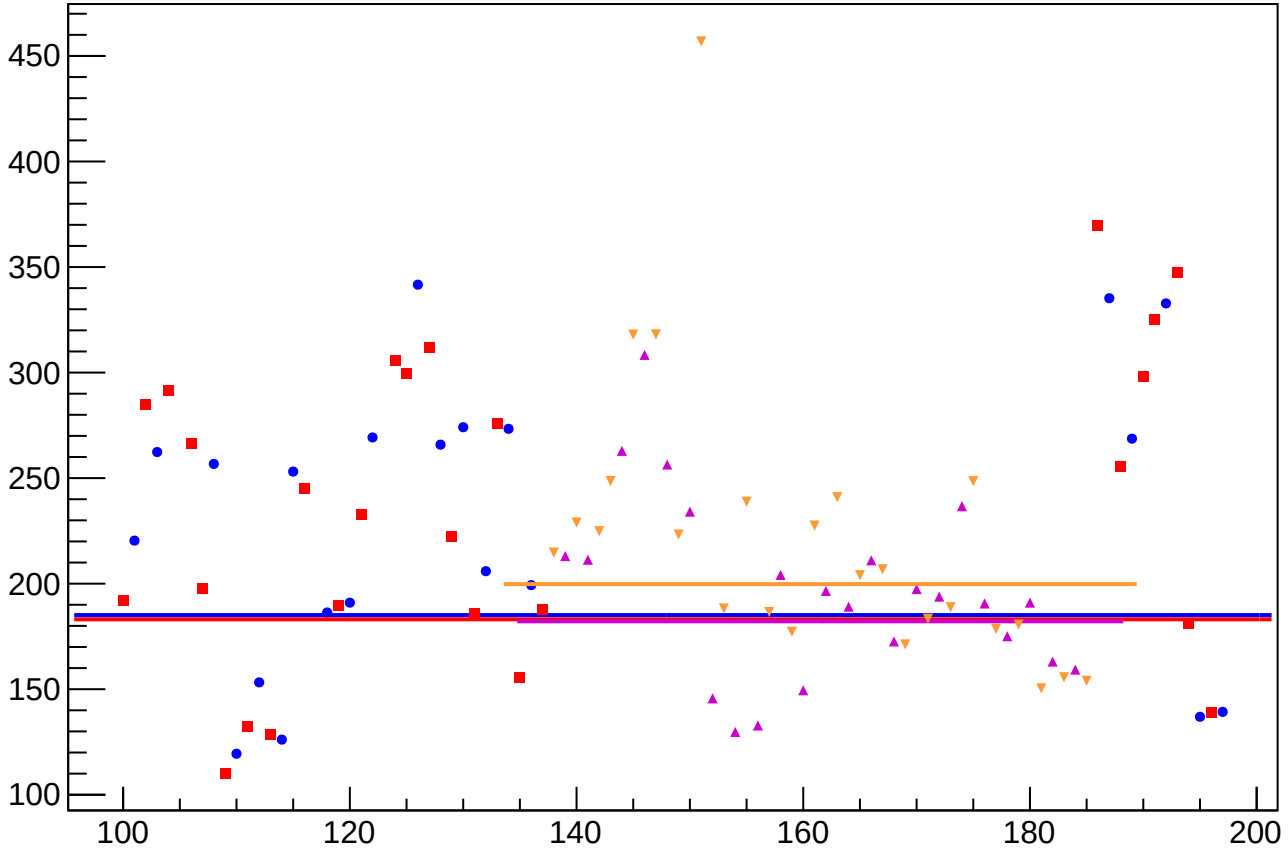
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 44.812+/-37.116 χ^2/NDF: 43.6/45

All: 6.371+/-25.535 χ^2/NDF: 82.4/94

- sign -28.177+/-35.186 χ^2/NDF: 36.8/48

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 185.125+/-0.043 χ^2/NDF: 2009955.4/20

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

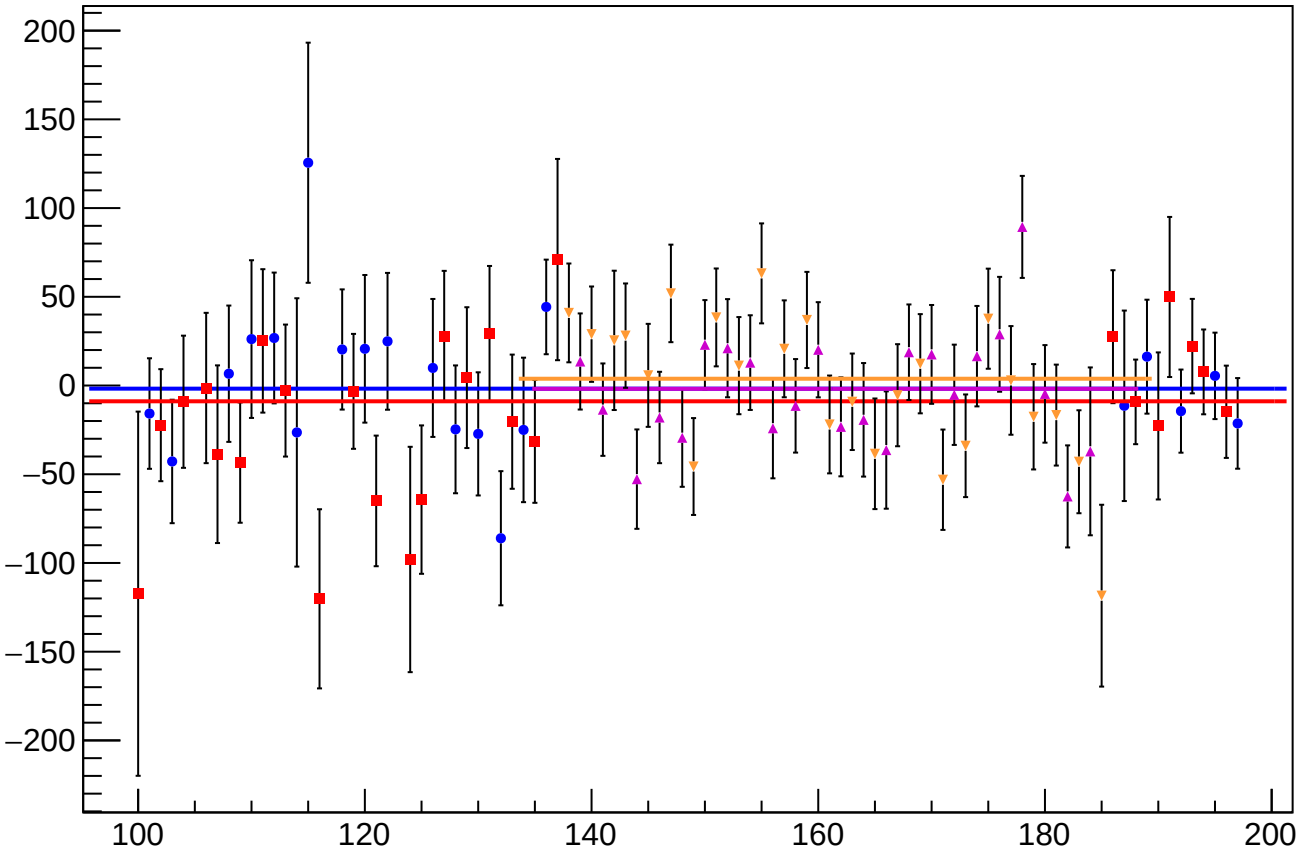
Right Out: 183.107+/-0.041 χ^2/NDF: 2675967.7/25

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 194.254+/-0.026 χ^2/NDF: 3843584.4/45

All: 188.067+/-0.018 χ^2/NDF: 8209763.6/94

- sign 182.507+/-0.025 χ^2/NDF: 4260671.8/48



Right In: -1.763+/-7.533 χ^2/NDF: 18.1/20

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

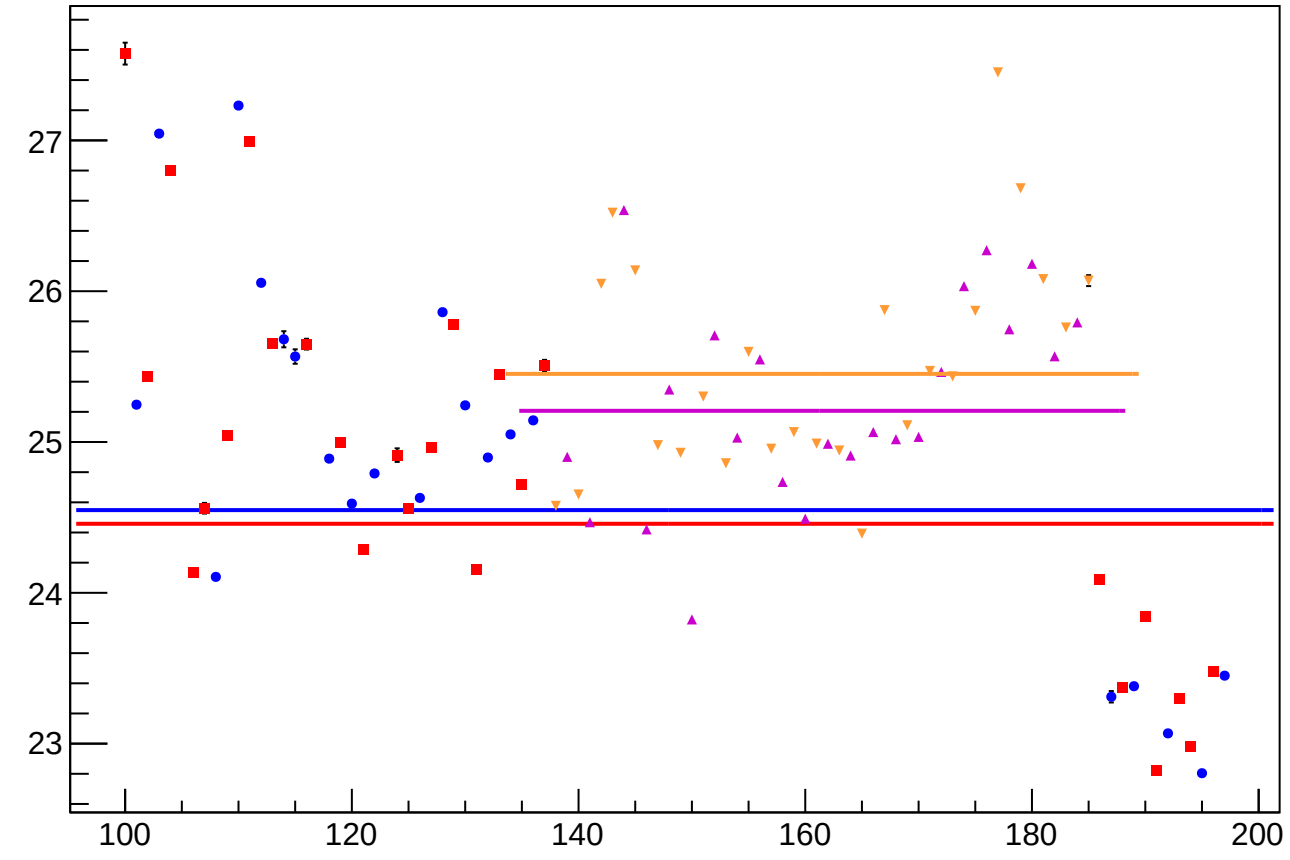
Right Out: -8.891+/-7.074 χ^2/NDF: 23.7/25

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.754+/-4.590 χ^2/NDF: 56.1/45

All: -1.534+/-3.223 χ^2/NDF: 109.4/94

- sign -4.734+/-4.528 χ^2/NDF: 52.3/48



Right In: 24.548+/-0.005 χ^2/NDF: 53974.0/20

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

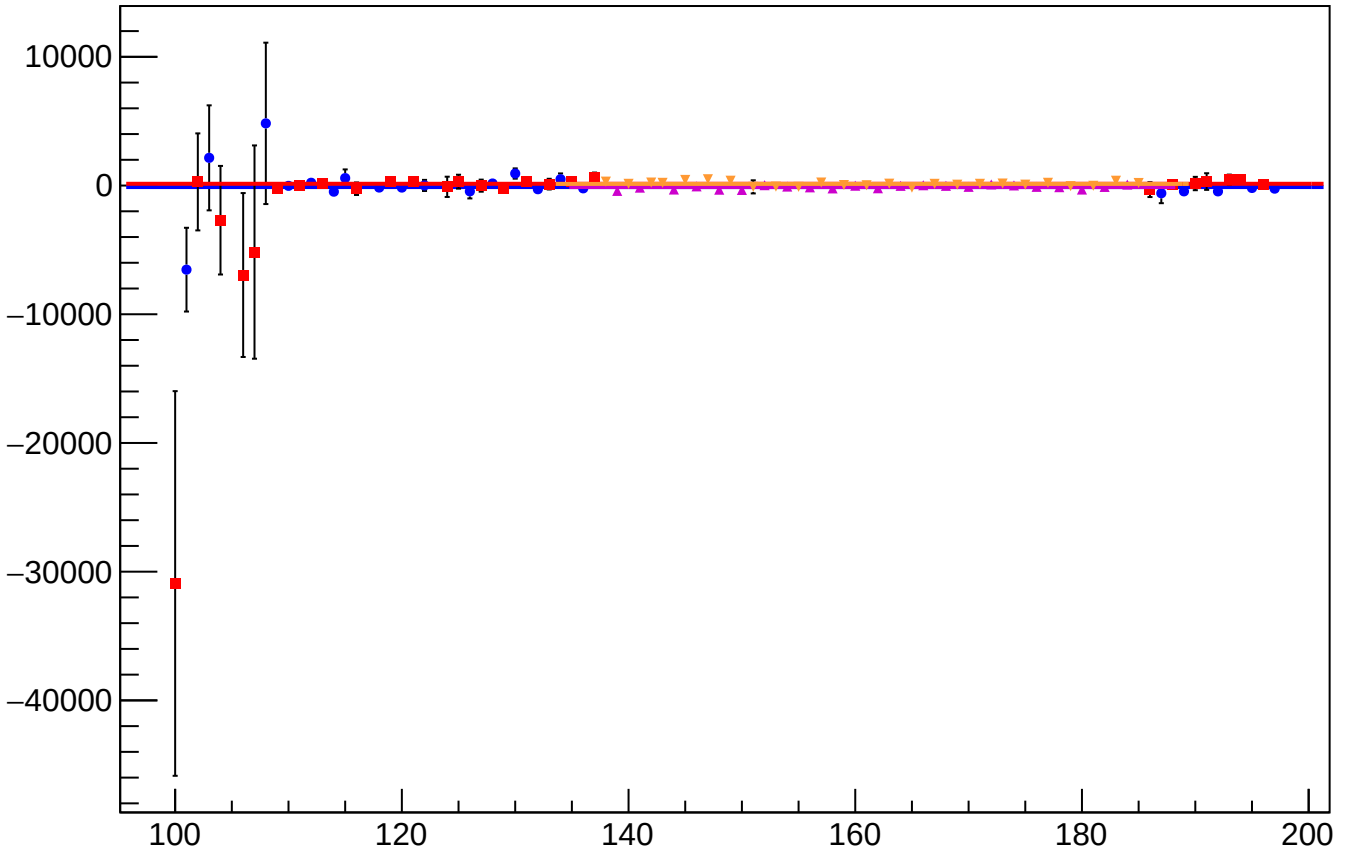
Right Out: 24.458+/-0.005 χ^2/NDF: 50711.4/25

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.116+/-0.003 χ^2/NDF: 101670.0/45

All: 25.007+/-0.002 χ^2/NDF: 193699.5/94

- sign 24.900+/-0.003 χ^2/NDF: 89775.6/48



Right In: -117.748+/-64.434 χ^2/NDF: 22.8/20

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

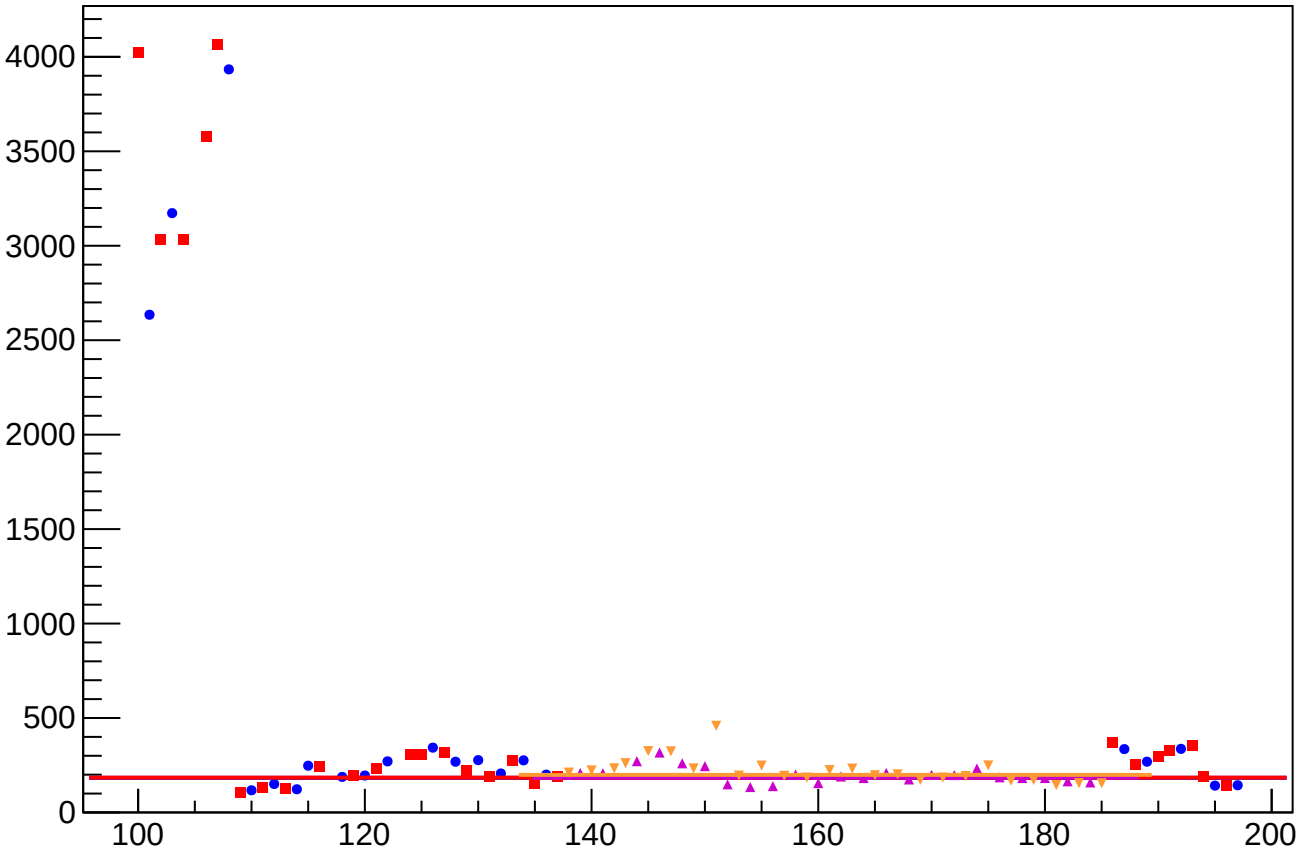
Right Out: 136.998+/-62.803 χ^2/NDF: 17.8/25

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 40.976+/-37.932 χ^2/NDF: 43.2/45

All: 3.431+/-26.305 χ^2/NDF: 81.7/94

- sign -31.352+/-36.510 χ^2/NDF: 36.6/48



Right In: 183.187+/-0.046 χ^2/NDF: 4700076.0/20

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

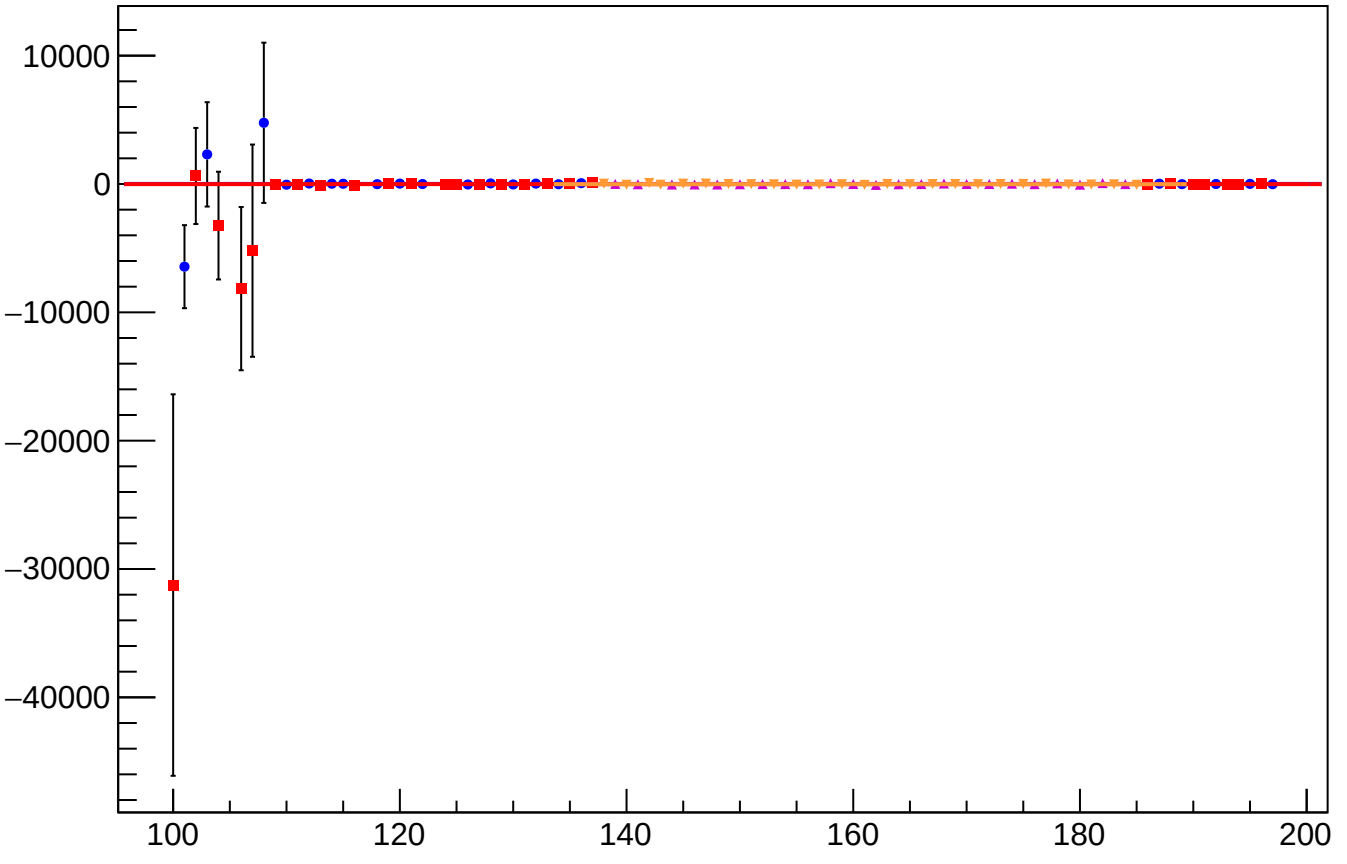
Right Out: 184.243+/-0.044 χ^2/NDF: 5365529.1/25

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 193.516+/-0.027 χ^2/NDF: 6680880.5/45

All: 188.756+/-0.019 χ^2/NDF: 13553391.7/94

- sign 184.346+/-0.026 χ^2/NDF: 6811843.2/48



Right In: 4.944+/-9.168 χ^2/NDF: 17.0/20

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -11.188+/-8.783 χ^2/NDF: 27.8/25

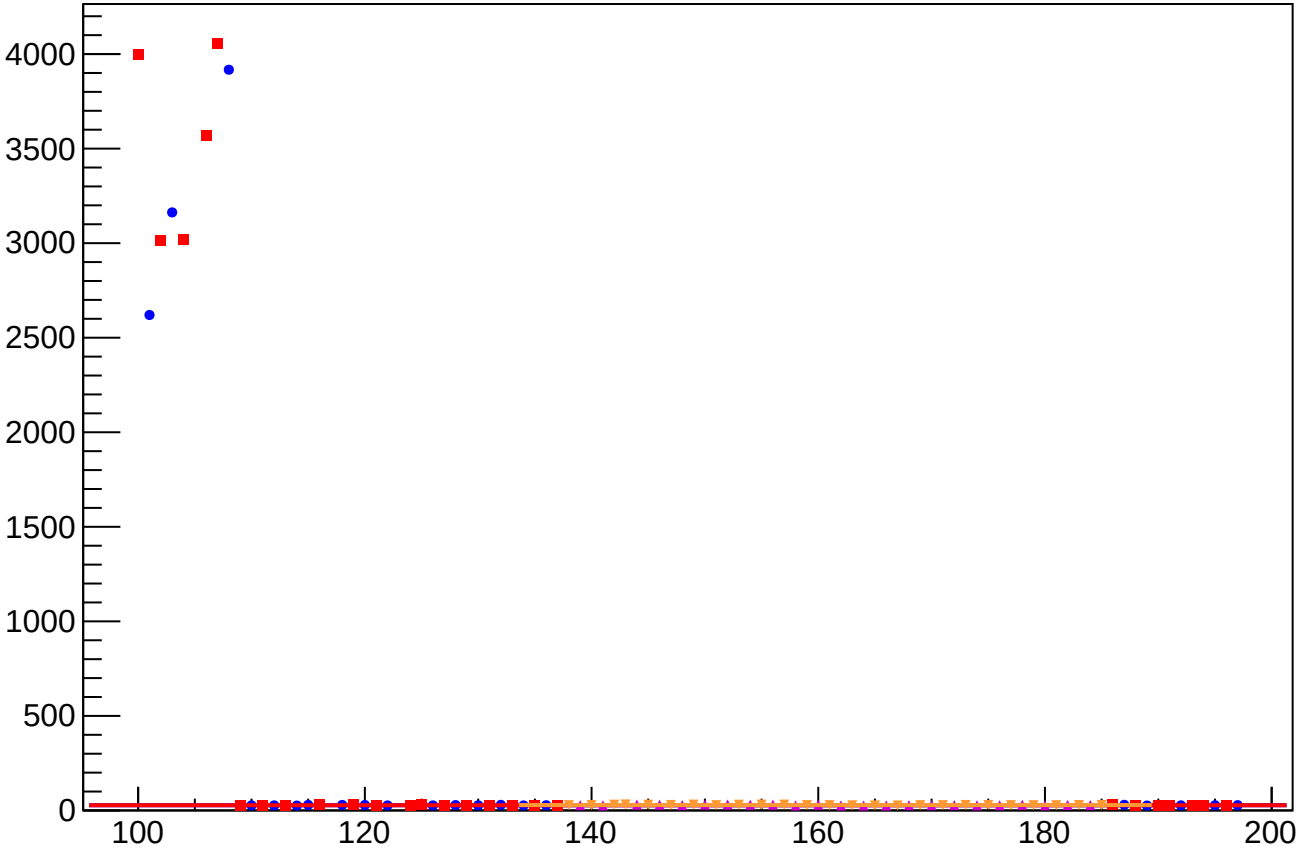
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -8.198+/-5.309 χ^2/NDF: 42.3/45

All: -6.849+/-3.761 χ^2/NDF: 99.2/94

- sign -5.491+/-5.329 χ^2/NDF: 56.8/48

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.498+/-0.006 χ^2/NDF: 3273494.0/20

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

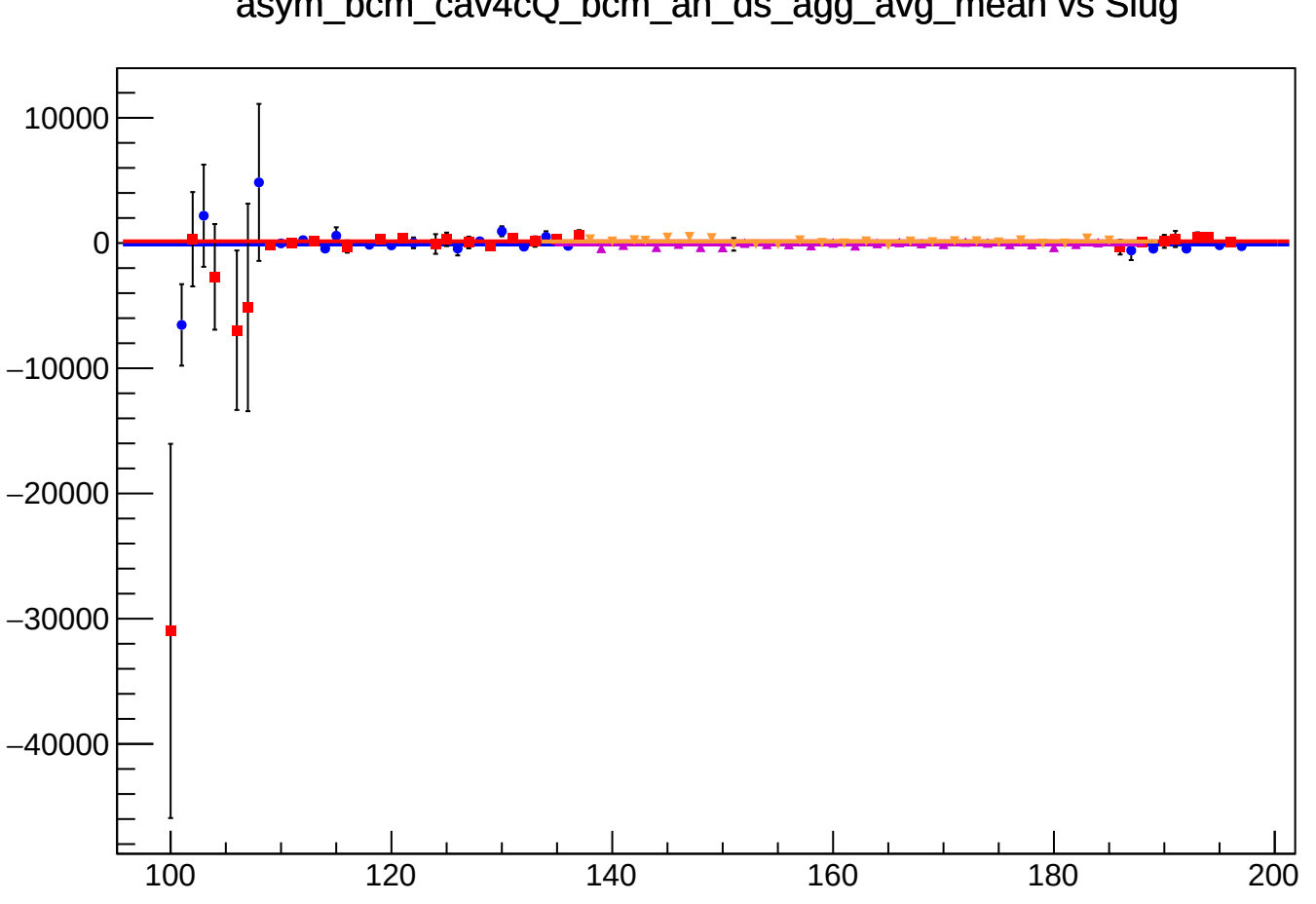
Right Out: 27.588+/-0.006 χ^2/NDF: 3580778.1/25

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.221+/-0.004 χ^2/NDF: 3380334.2/45

All: 28.226+/-0.003 χ^2/NDF: 7101016.9/94

- sign 28.231+/-0.004 χ^2/NDF: 3720679.0/48



Right In: -115.490+/-64.251 χ^2/NDF: 22.8/20

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

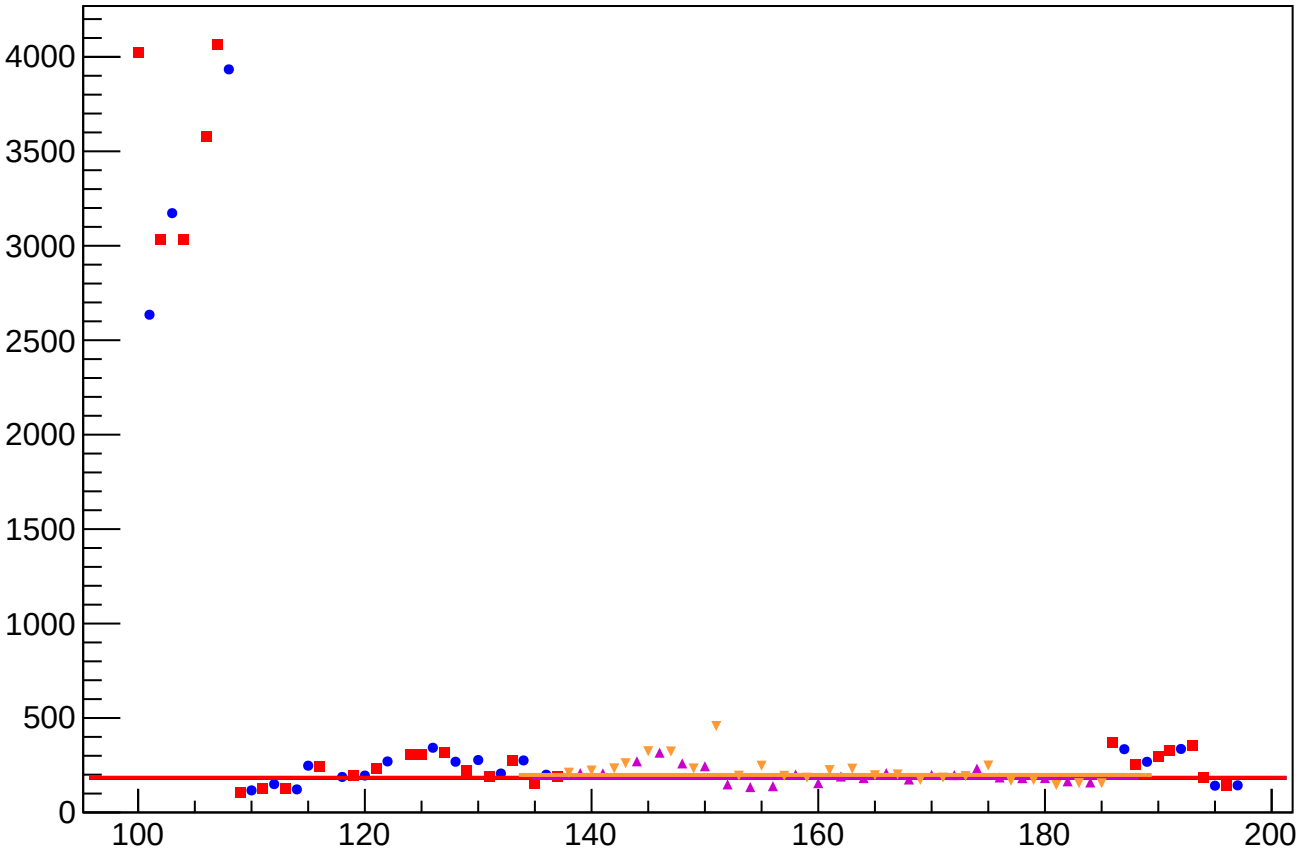
Right Out: 140.037+/-62.636 χ^2/NDF: 18.1/25

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 39.564+/-37.842 χ^2/NDF: 43.7/45

All: 3.698+/-26.245 χ^2/NDF: 83.1/94

- sign -29.544+/-36.431 χ^2/NDF: 37.6/48



Right In: 182.594+/-0.045 χ^2/NDF: 4713792.0/20

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

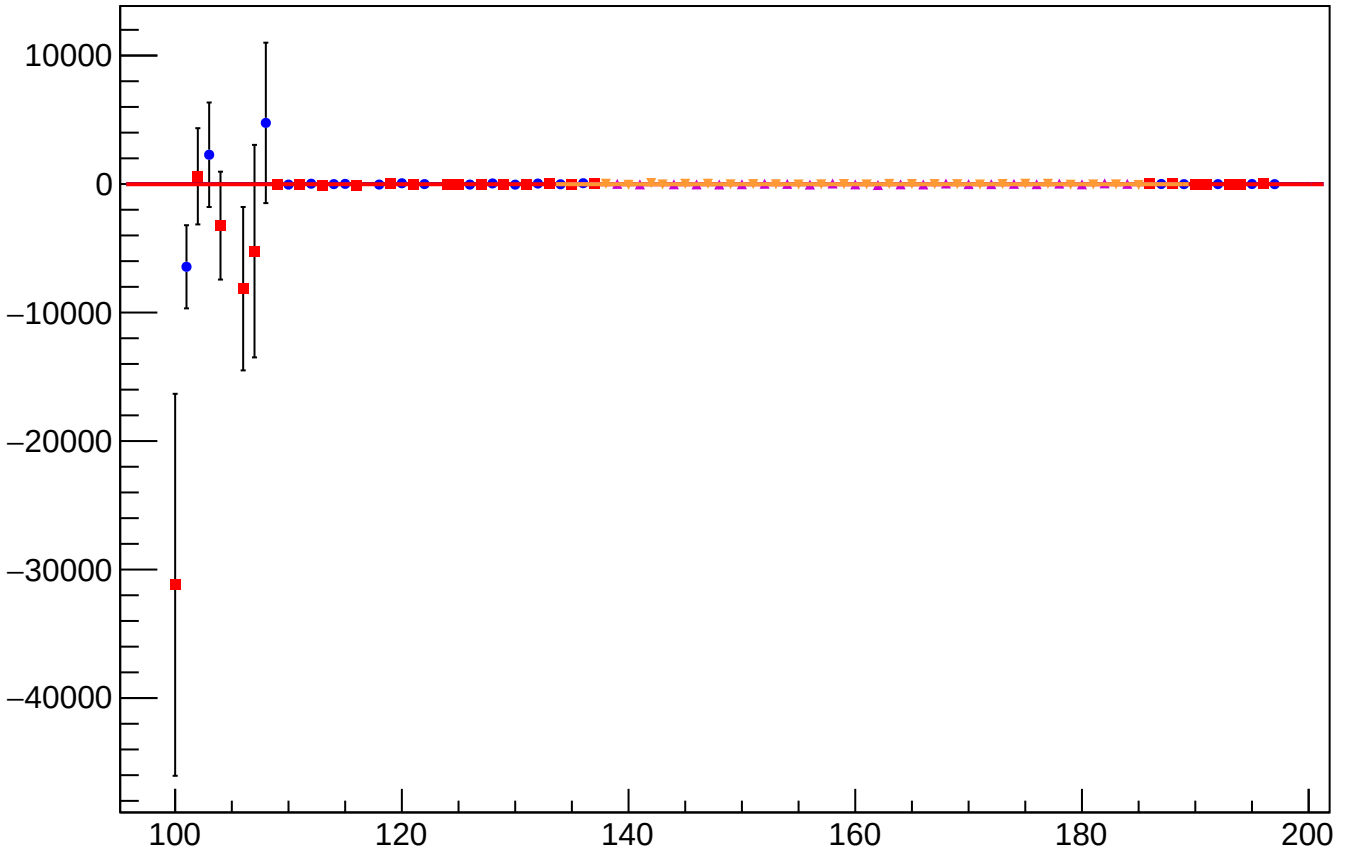
Right Out: 183.658+/-0.044 χ^2/NDF: 5384197.7/25

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 193.028+/-0.027 χ^2/NDF: 6696064.5/45

All: 188.300+/-0.019 χ^2/NDF: 13585901.5/94

- sign 183.918+/-0.026 χ^2/NDF: 6829675.7/48



Right In: 1.808+/-9.188 χ^2/NDF: 18.8/20

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -14.474+/-8.810 χ^2/NDF: 27.2/25

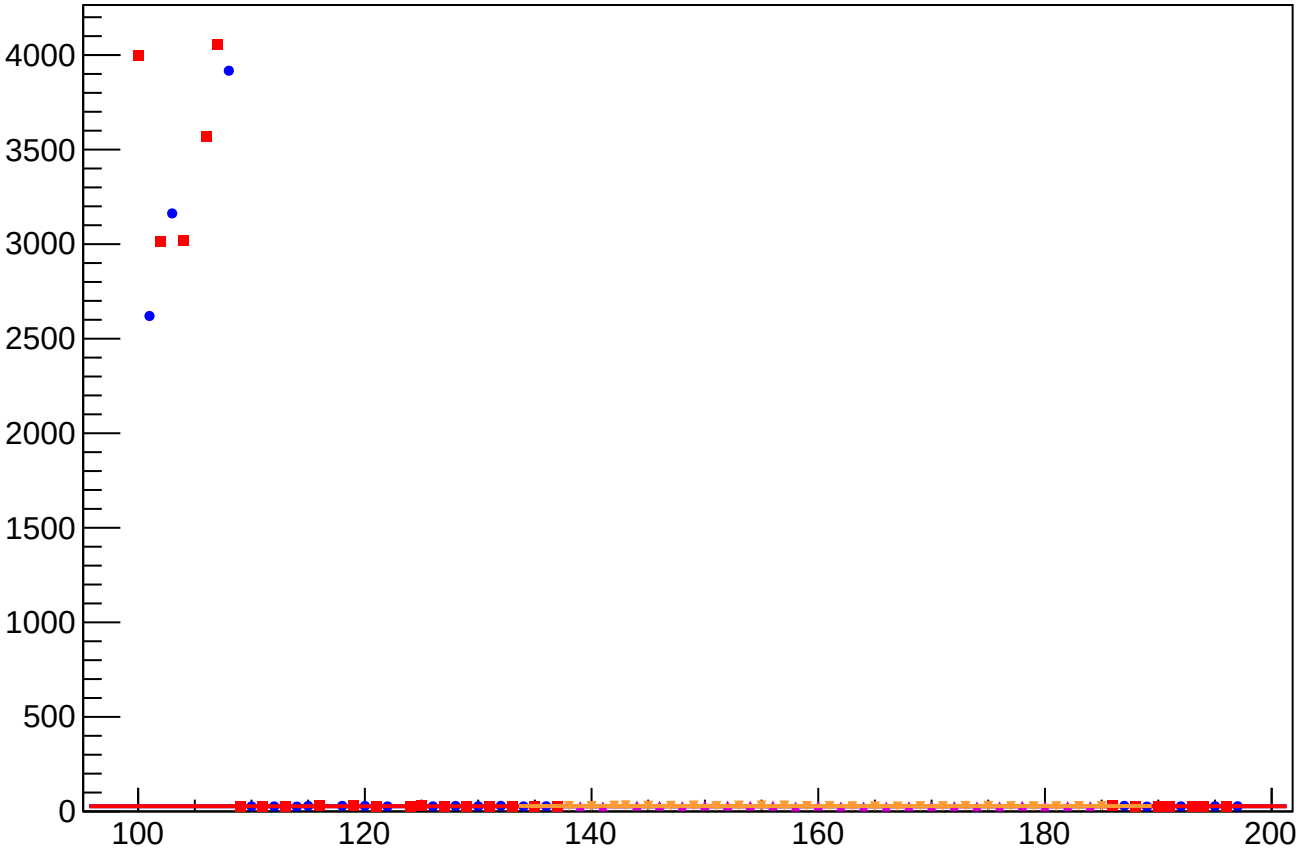
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -7.265+/-5.328 χ^2/NDF: 38.2/45

All: -7.114+/-3.775 χ^2/NDF: 88.7/94

- sign -6.962+/-5.349 χ^2/NDF: 50.5/48

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.554+/-0.006 χ^2/NDF: 3274767.1/20

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

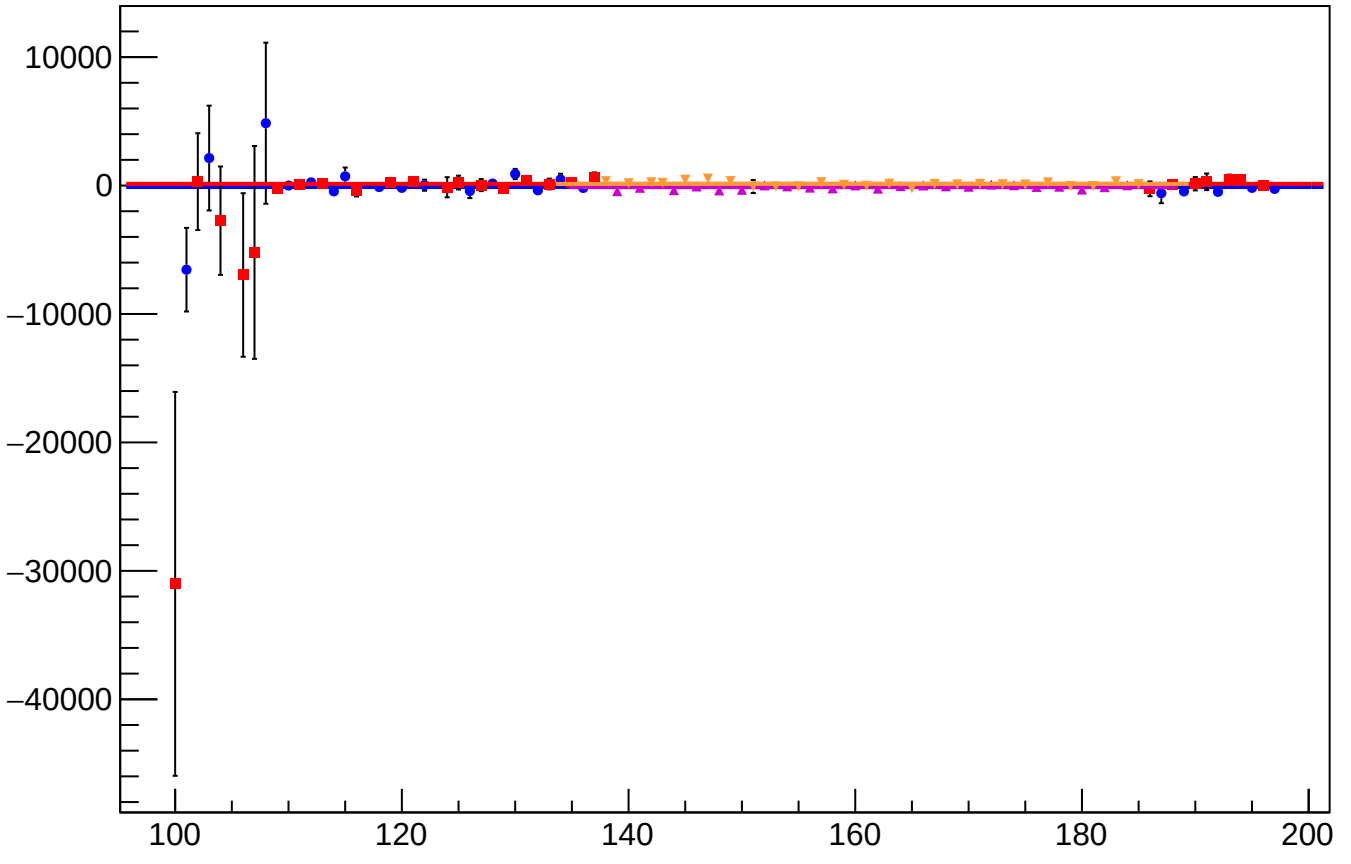
Right Out: 27.673+/-0.006 χ^2/NDF: 3578052.5/25

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.320+/-0.004 χ^2/NDF: 3394542.7/45

All: 28.329+/-0.003 χ^2/NDF: 7118095.0/94

- sign 28.339+/-0.004 χ^2/NDF: 3723539.3/48



Right In: -114.566+/-64.819 χ^2/NDF: 23.4/20

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

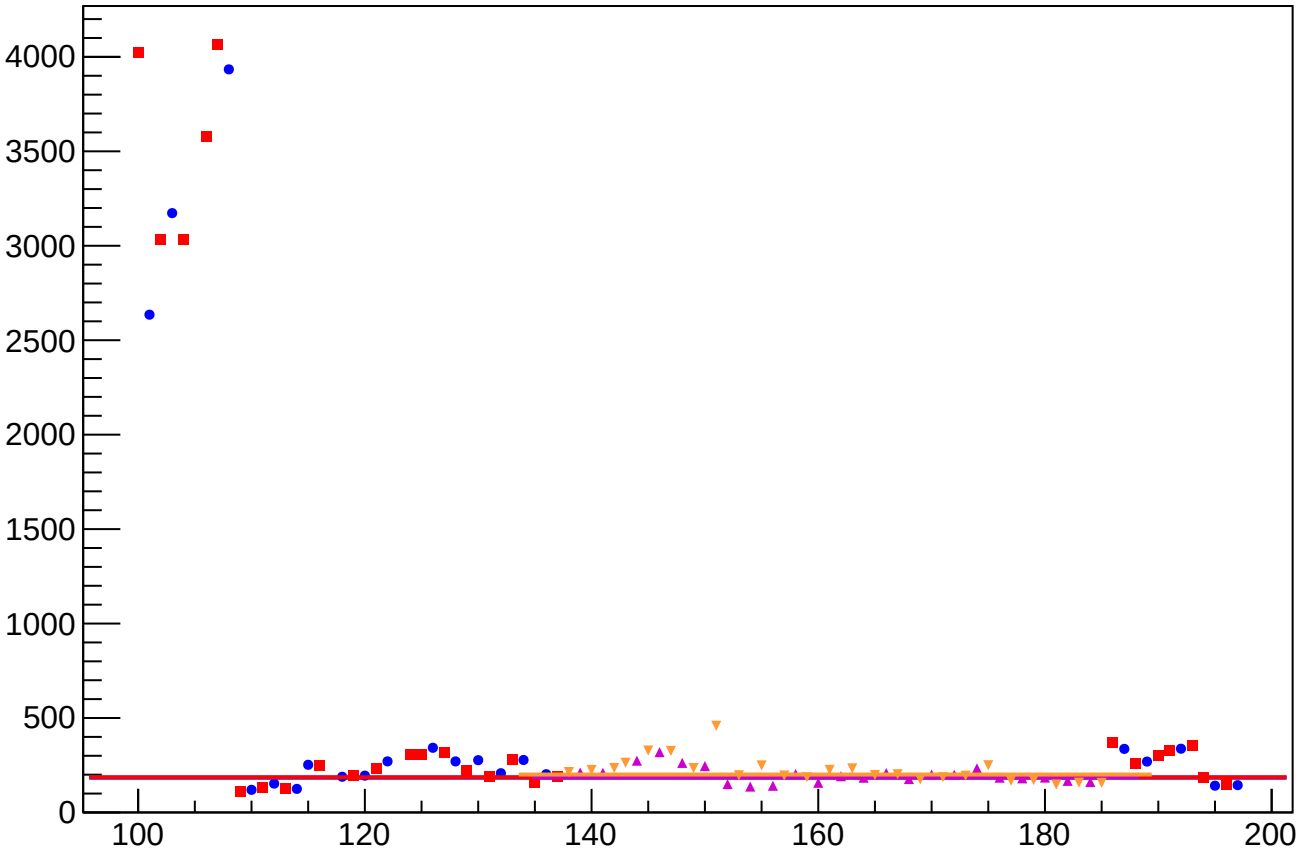
Right Out: 133.621+/-63.318 χ^2/NDF: 17.3/25

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 40.364+/-38.208 χ^2/NDF: 43.5/45

All: 0.657+/-26.515 χ^2/NDF: 82.3/94

- sign -36.228+/-36.825 χ^2/NDF: 36.6/48



Right In: 184.445+/-0.046 χ^2/NDF: 4675064.8/20

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 186.113+/-0.045 χ^2/NDF: 5303781.2/25

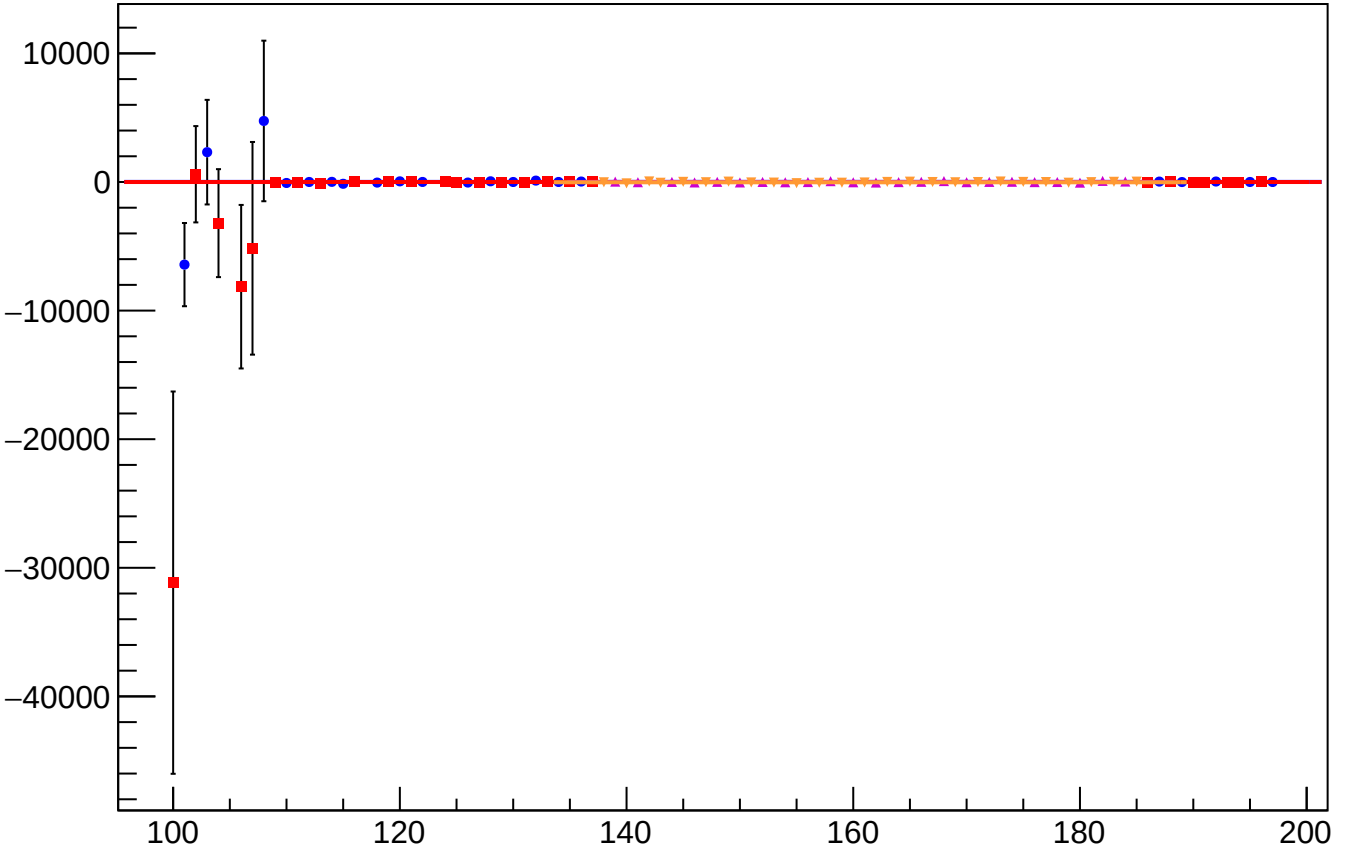
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 195.043+/-0.027 χ^2/NDF: 6637076.9/45

All: 190.432+/-0.019 χ^2/NDF: 13410408.6/94

- sign 186.150+/-0.026 χ^2/NDF: 6717169.3/48

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 8.009+/-11.198 χ^2/NDF: 18.5/20

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -1.831+/-10.729 χ^2/NDF: 28.9/25

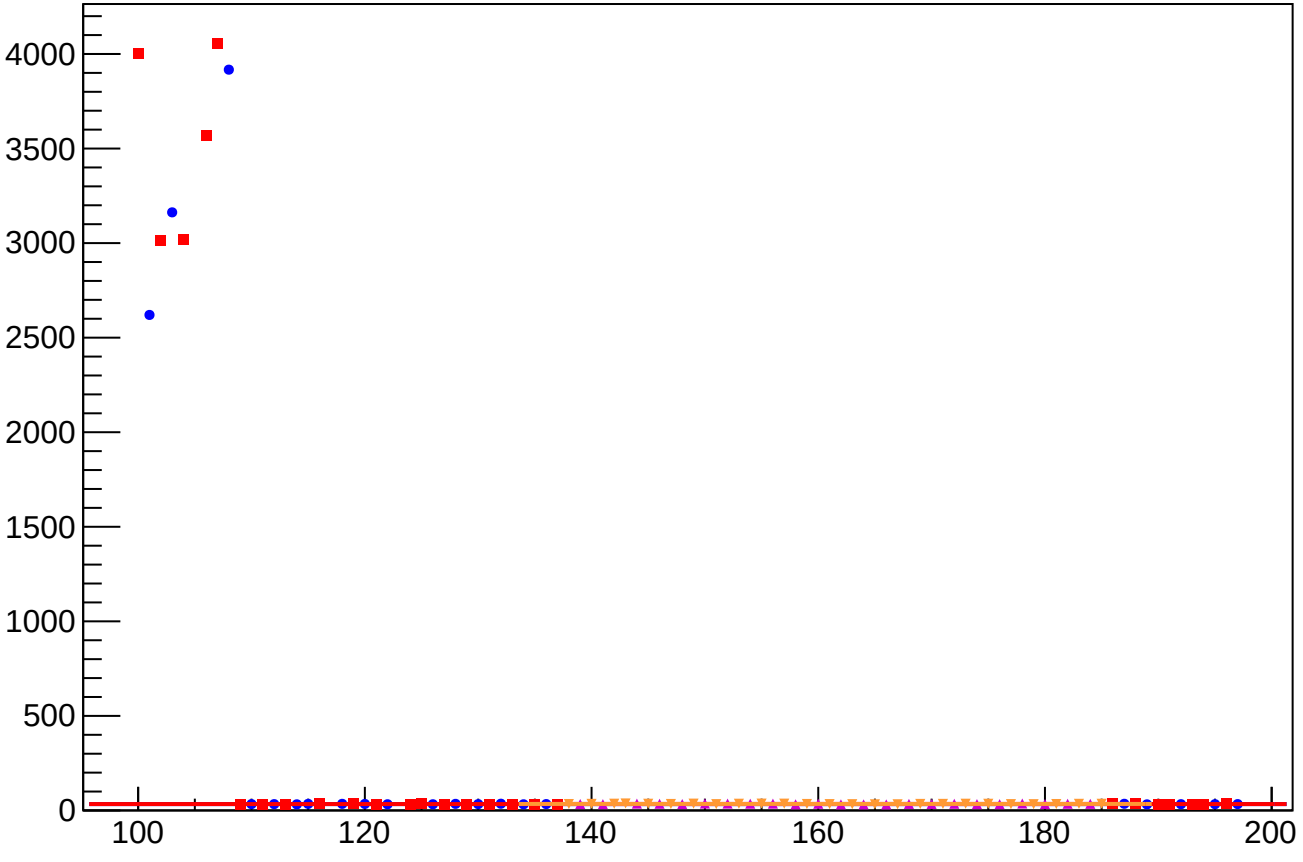
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -11.618+/-6.420 χ^2/NDF: 46.0/45

All: -4.894+/-4.552 χ^2/NDF: 96.2/94

- sign 1.907+/-6.456 χ^2/NDF: 48.0/48

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.629+/-0.008 χ^2/NDF: 3248689.8/20

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

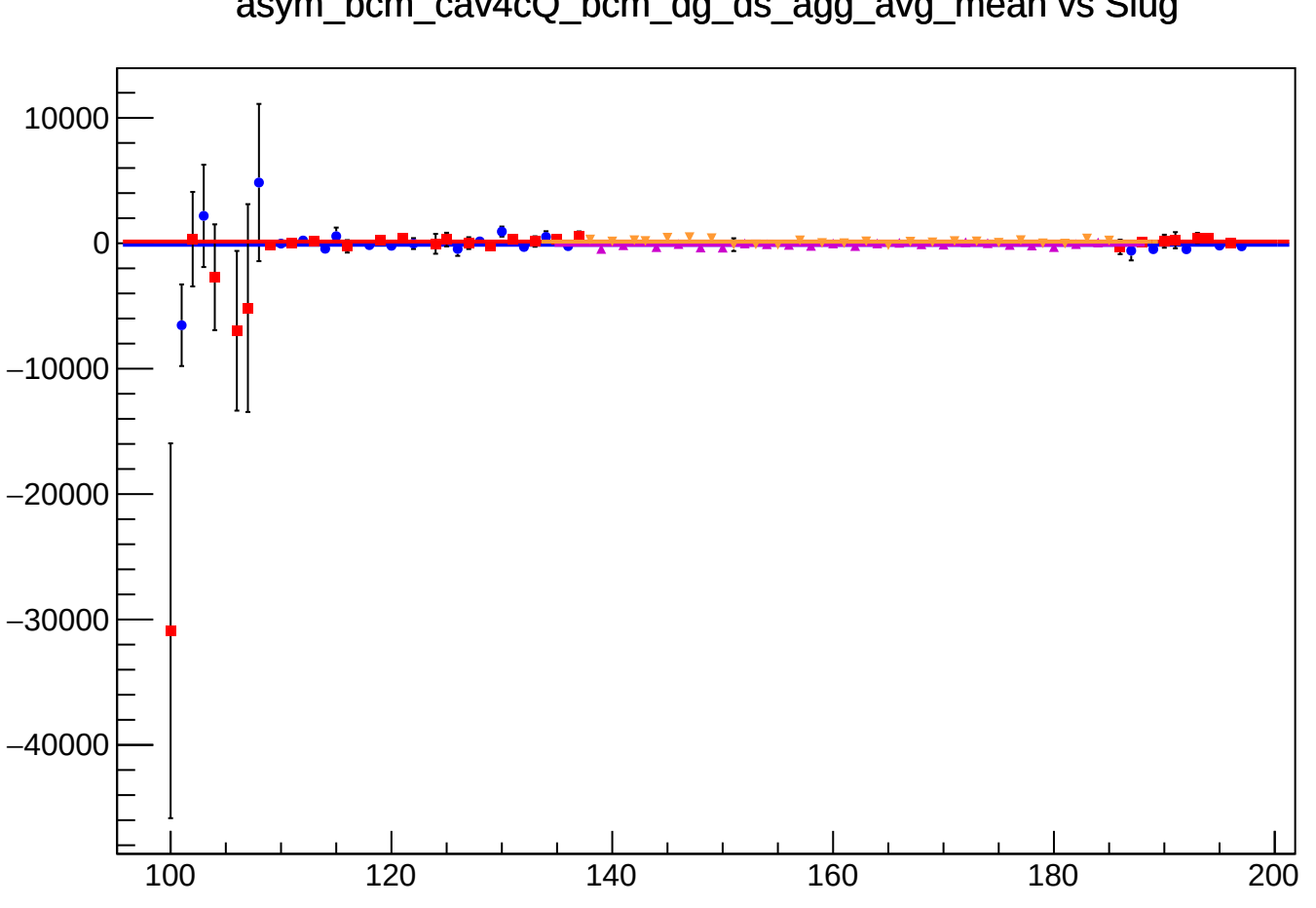
Right Out: 33.763+/-0.008 χ^2/NDF: 3537711.2/25

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.172+/-0.005 χ^2/NDF: 3300402.0/45

All: 34.219+/-0.003 χ^2/NDF: 6904510.2/94

- sign 34.266+/-0.005 χ^2/NDF: 3603895.7/48



Right In: -121.117+/-64.594 χ^2/NDF: 22.7/20

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

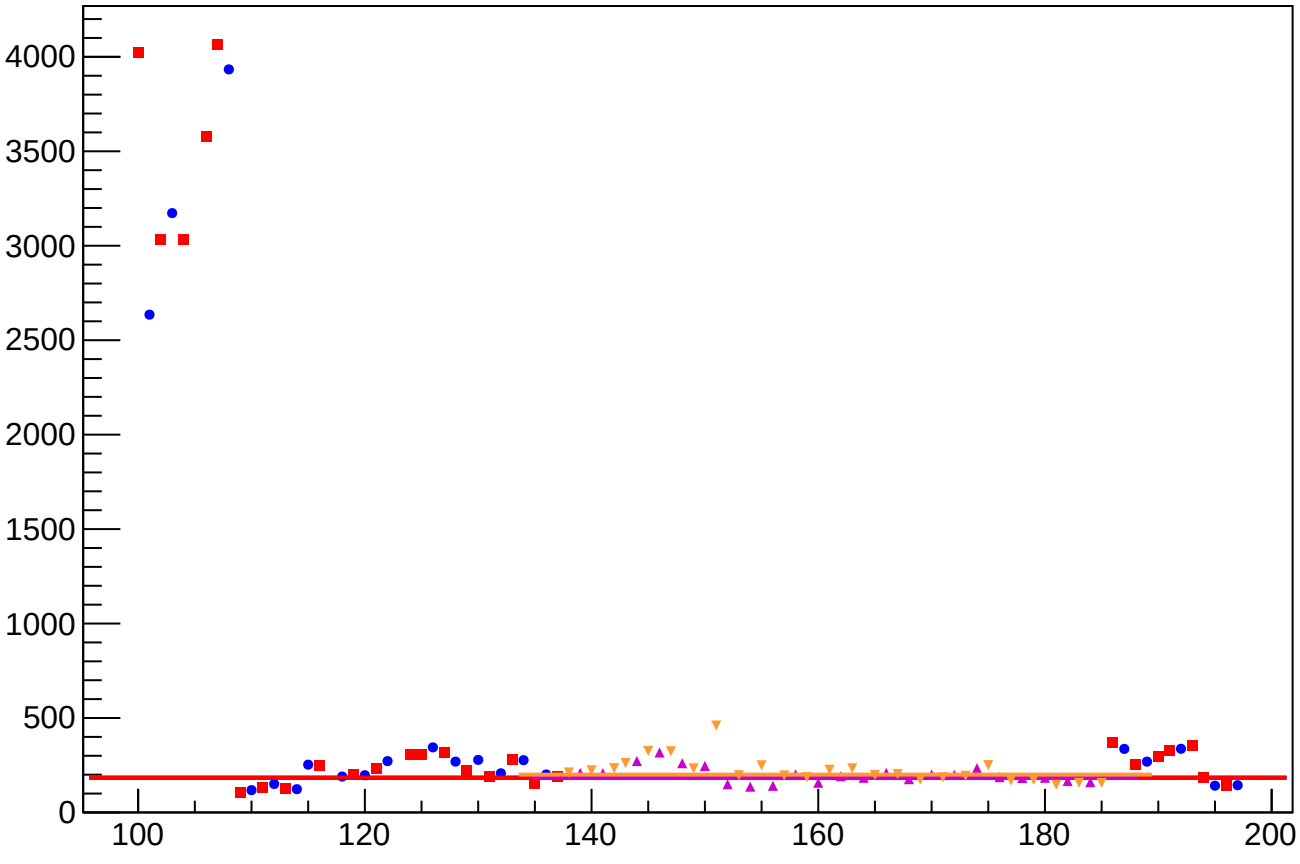
Right Out: 138.004+/-62.999 χ^2/NDF: 16.6/25

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 41.016+/-38.124 χ^2/NDF: 44.0/45

All: 2.012+/-26.449 χ^2/NDF: 82.0/94

- sign -34.181+/-36.725 χ^2/NDF: 35.9/48



Right In: 183.611+/-0.046 χ^2/NDF: 4707238.3/20

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

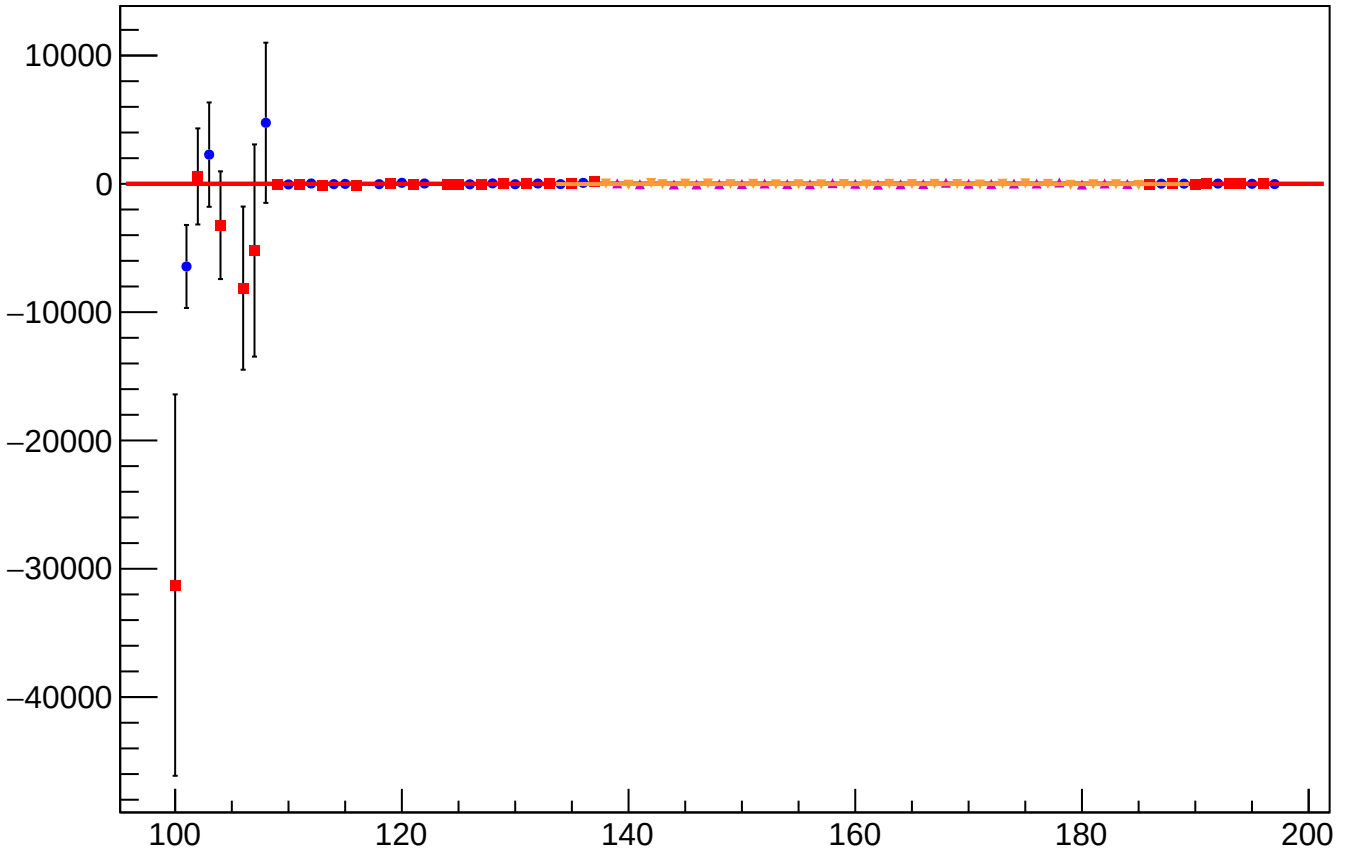
Right Out: 184.844+/-0.045 χ^2/NDF: 5364596.4/25

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 194.533+/-0.027 χ^2/NDF: 6671523.4/45

All: 189.859+/-0.019 χ^2/NDF: 13499948.3/94

- sign 185.522+/-0.026 χ^2/NDF: 6770472.7/48



Right In: 10.810+/-10.176 χ^2/NDF: 16.4/20

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -6.183+/-9.735 χ^2/NDF: 35.4/25

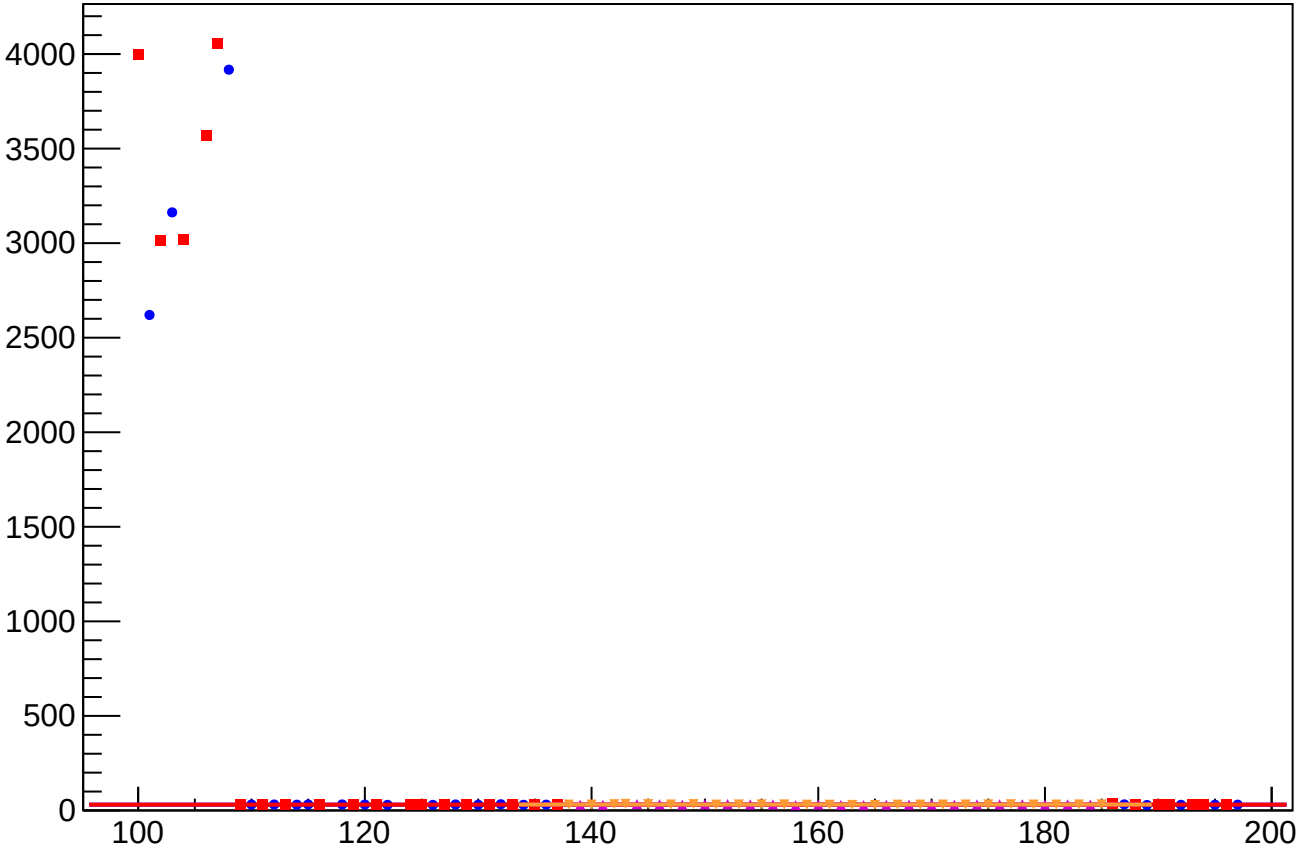
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -8.894+/-5.842 χ^2/NDF: 42.4/45

All: -4.722+/-4.139 χ^2/NDF: 114.9/94

\- sign -0.518+/-5.865 χ^2/NDF: 71.5/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.537+/-0.007 χ^2/NDF: 3261832.3/20

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.606+/-0.007 χ^2/NDF: 3553561.3/25

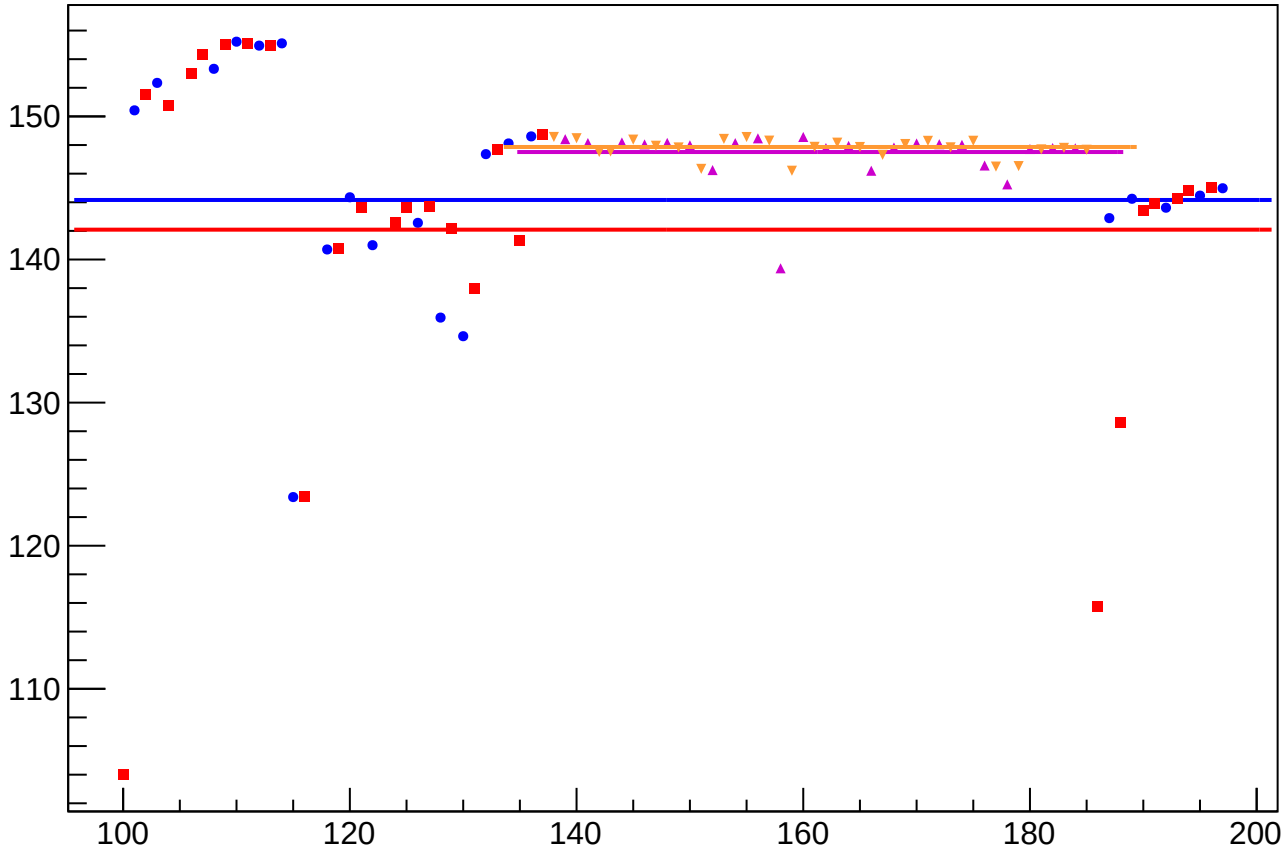
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.075+/-0.004 χ^2/NDF: 3333190.6/45

All: 31.087+/-0.003 χ^2/NDF: 6980046.5/94

- sign 31.099+/-0.004 χ^2/NDF: 3646840.1/48

yield_bcm_target_mean vs Slug



Right In: 144.161+/-0.000 χ^2/NDF: 3729277234.7/20

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

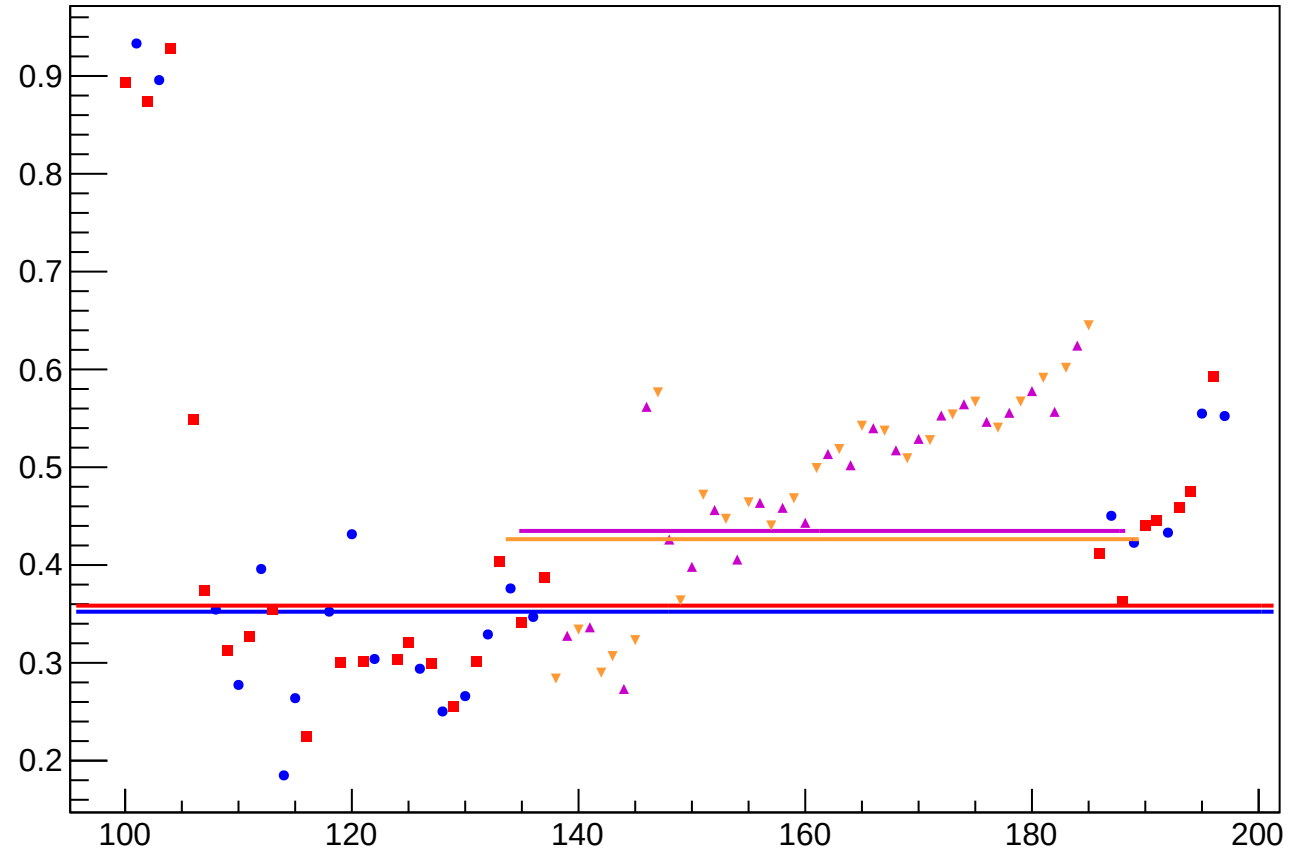
Right Out: 142.086+/-0.000 χ^2/NDF: 7476752113.6/25

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.305+/-0.000 χ^2/NDF: 4334299456.7/45

All: 145.642+/-0.000 χ^2/NDF: 13490584355.

- sign 144.978+/-0.000 χ^2/NDF: 9008785493.6/48



Right In: 0.352+/-0.000 χ^2/NDF: 2007332.0/20

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

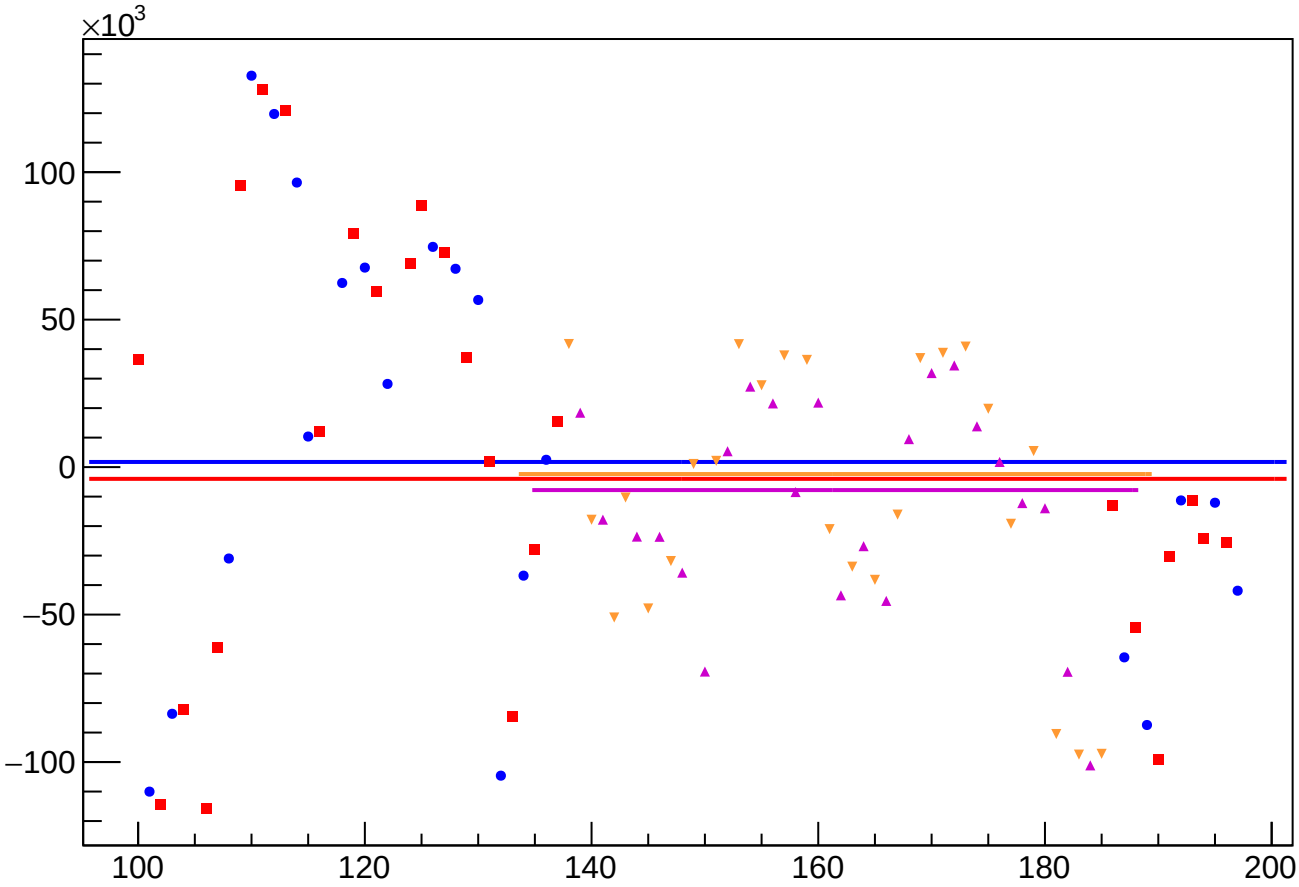
Right Out: 0.358+/-0.000 χ^2/NDF: 1862123.4/25

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.395+/-0.000 χ^2/NDF: 4715621.2/45

All: 0.397+/-0.000 χ^2/NDF: 8841287.6/94

- sign 0.399+/-0.000 χ^2/NDF: 4122988.4/48



Right In: 1745.443+/-1.662 χ^2/NDF: 1687005999.9/20

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -3982.734+/-1.525 χ^2/NDF: 2174643416.4/25

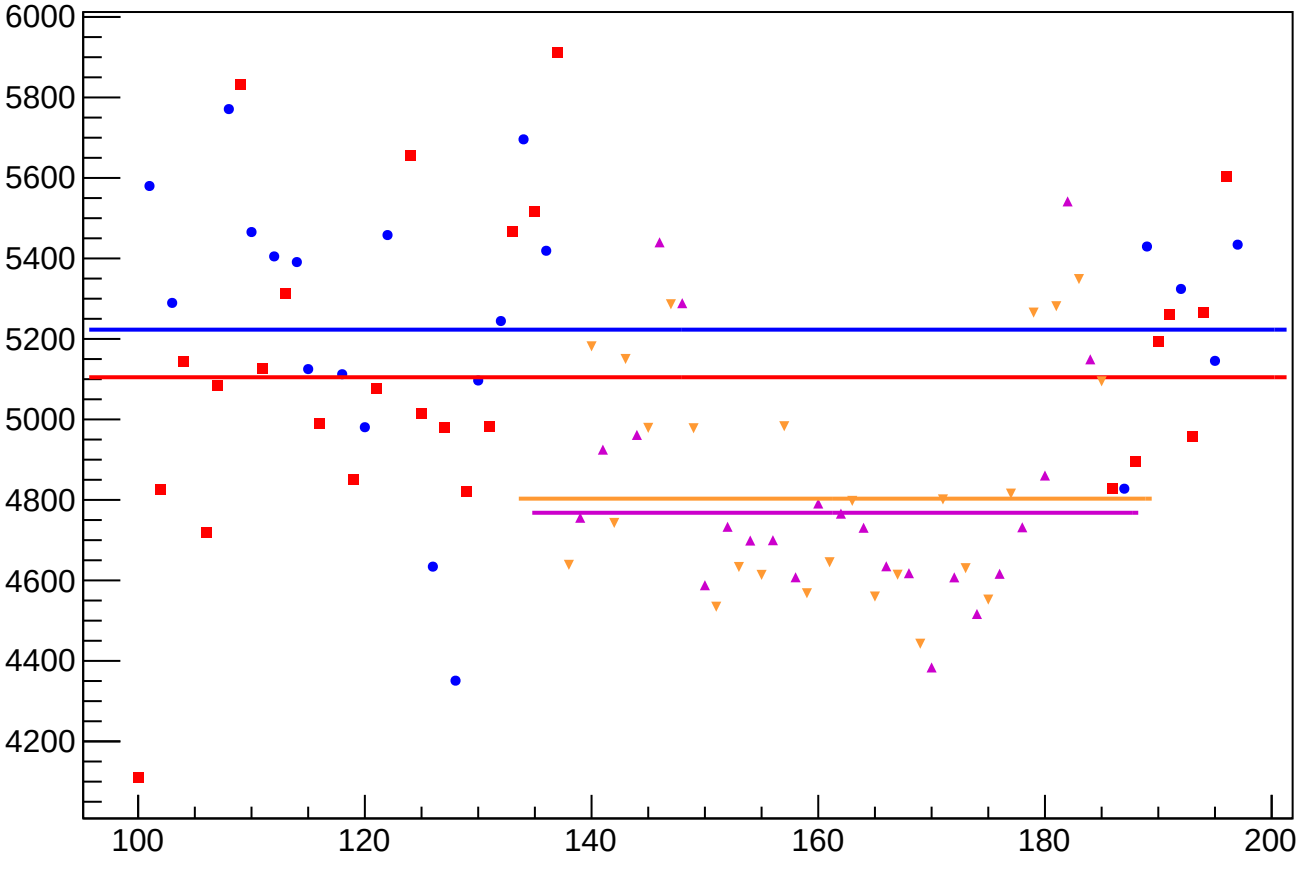
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -1062.274+/-0.931 χ^2/NDF: 2921193284.4/45

All: -3783.693+/-0.653 χ^2/NDF: 587914070

- sign -6416.666+/-0.915 χ^2/NDF: 2941122764.4/48

yield_bcm_an_diff_rms vs Slug



Right In: 5223.045+/-1.175 χ^2/NDF: 84597.0/20

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

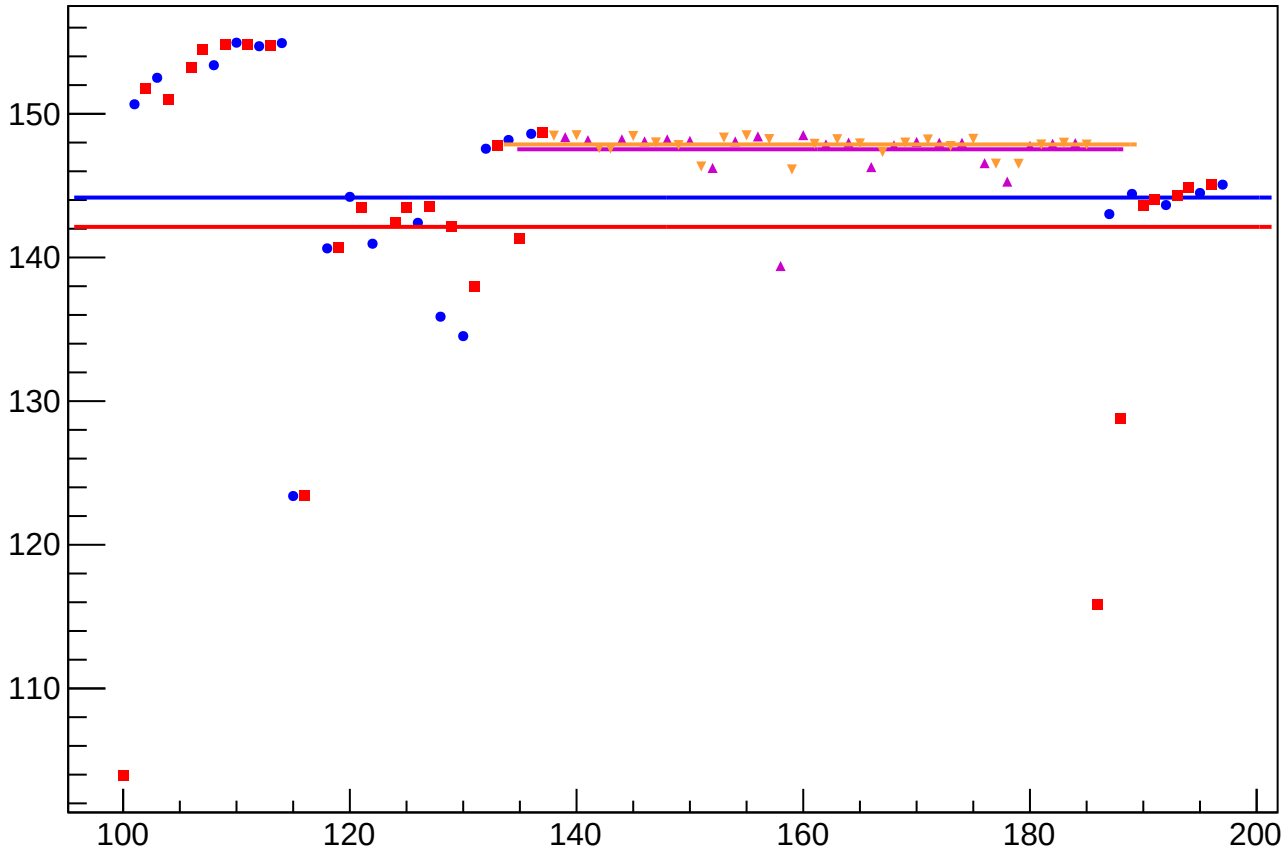
Right Out: 5104.794+/-1.078 χ^2/NDF: 80742.4/25

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4934.806+/-0.658 χ^2/NDF: 286919.6/45

All: 4911.727+/-0.461 χ^2/NDF: 534821.0/94

- sign 4889.397+/-0.647 χ^2/NDF: 245481.4/48



Right In: 144.172+/-0.000 χ^2/NDF: 3769520071.6/20

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.131+/-0.000 χ^2/NDF: 7449216433.4/25

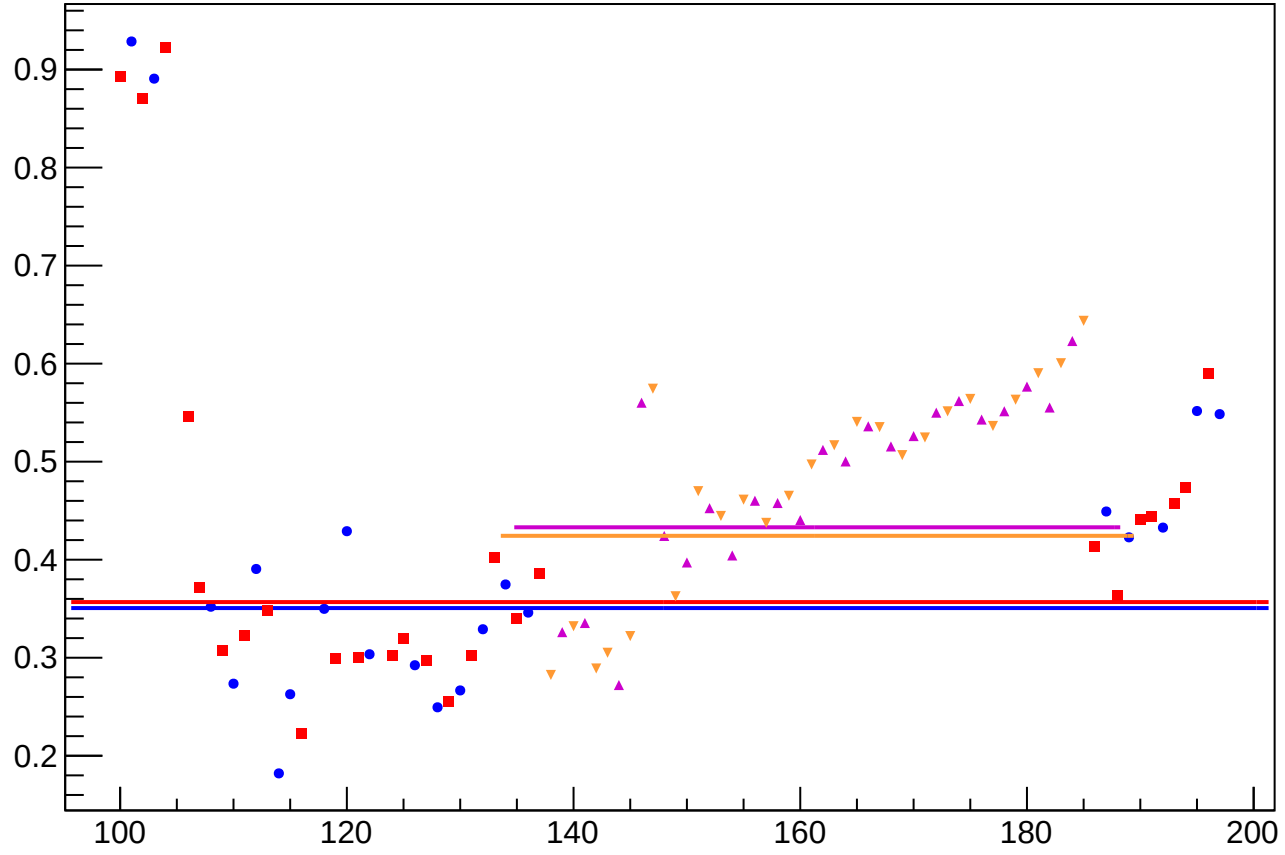
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.314+/-0.000 χ^2/NDF: 4377780843.5/45

All: 145.662+/-0.000 χ^2/NDF: 13503583475.

- sign 145.009+/-0.000 χ^2/NDF: 8981981060.9/48

yield_bcm_an_ds_rms vs Slug



Right In: 0.351+/-0.000 χ^2/NDF: 2009503.6/20

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

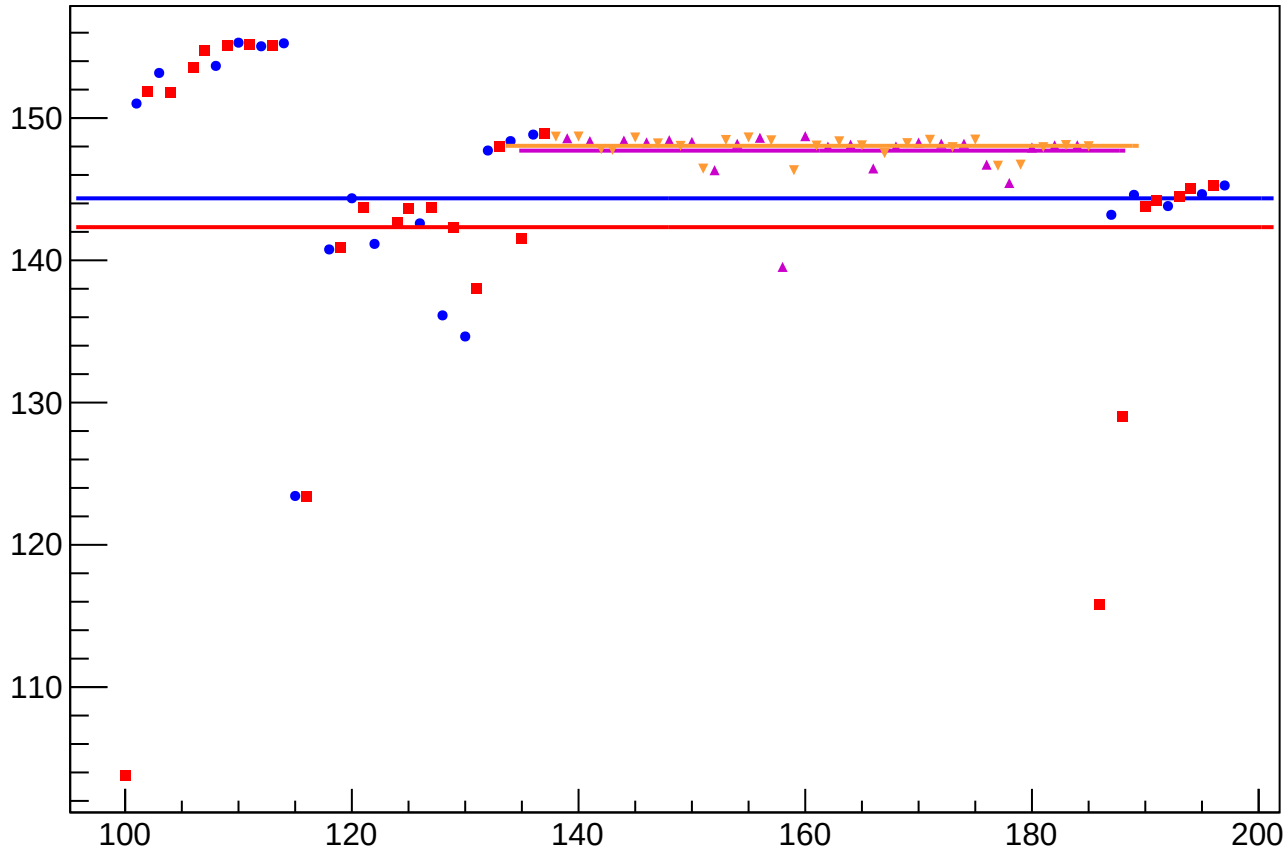
Right Out: 0.357+/-0.000 χ^2/NDF: 1869074.1/25

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.393+/-0.000 χ^2/NDF: 4718183.4/45

All: 0.395+/-0.000 χ^2/NDF: 8850122.4/94

- sign 0.397+/-0.000 χ^2/NDF: 4129129.6/48



Right In: 144.357+/-0.000 χ^2/NDF: 3763360585.0/20

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.332+/-0.000 χ^2/NDF: 7385027395.2/25

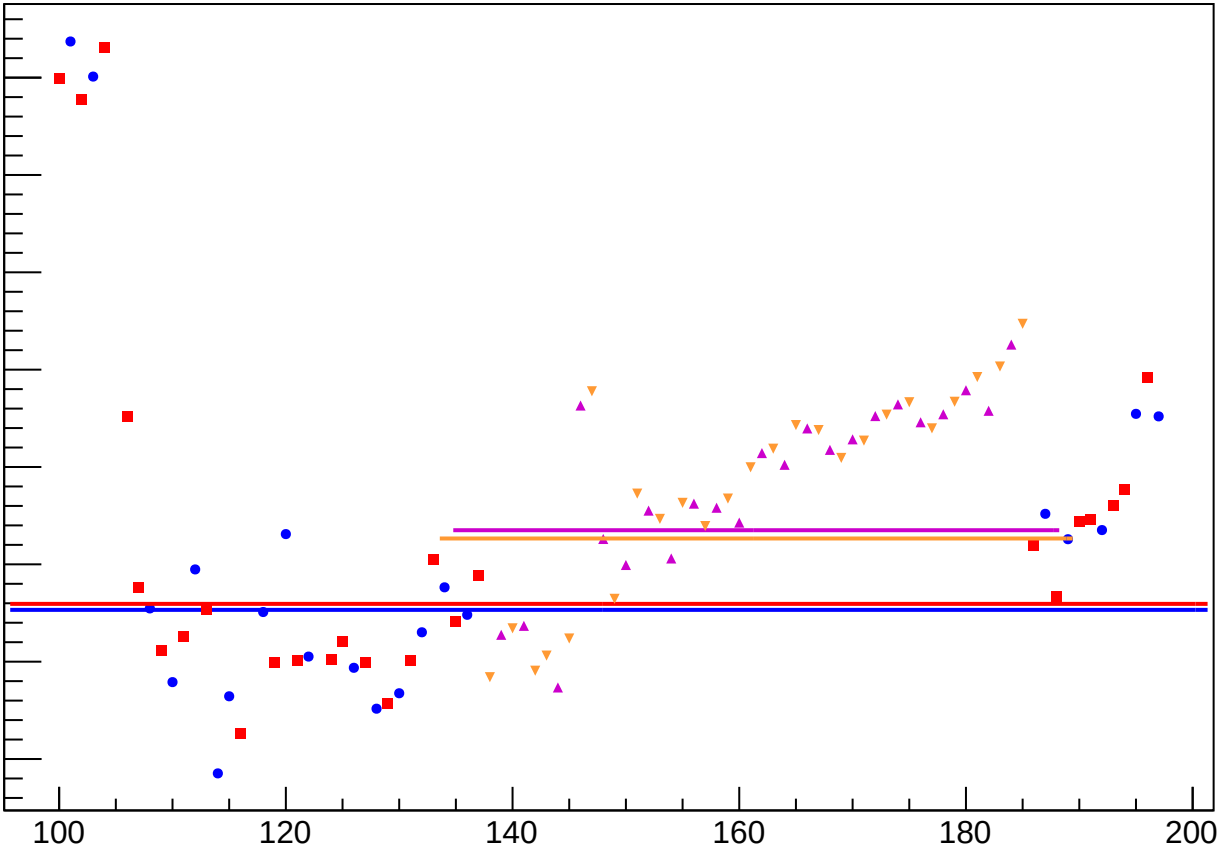
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.499+/-0.000 χ^2/NDF: 4363229956.5/45

All: 145.853+/-0.000 χ^2/NDF: 13401047067.

- sign 145.205+/-0.000 χ^2/NDF: 8897935316.7/48

yield_bcm_an_ds3_rms vs Slug



Right In: 0.353+/-0.000 χ^2/NDF: 2001905.6/20

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

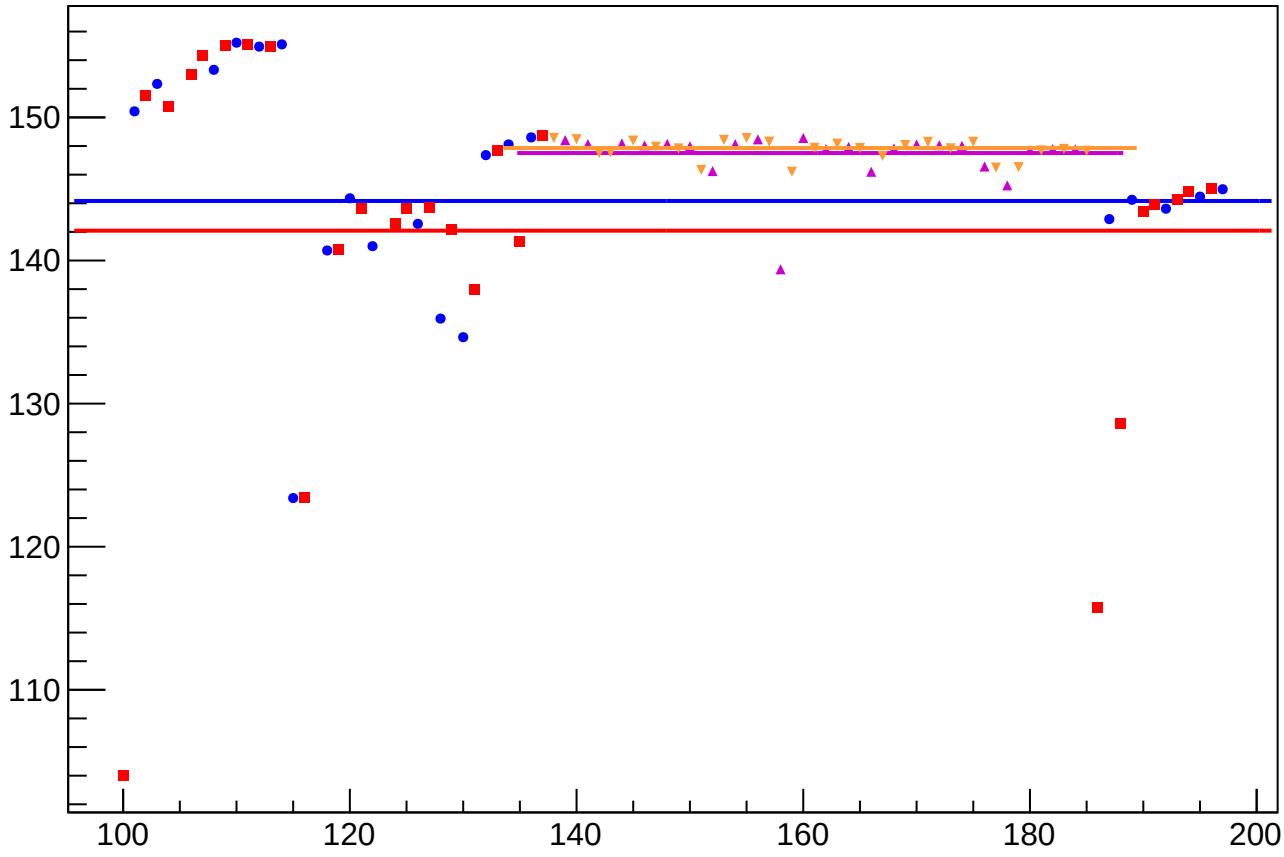
Right Out: 0.359+/-0.000 χ^2/NDF: 1869260.6/25

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.396+/-0.000 χ^2/NDF: 4697308.8/45

All: 0.398+/-0.000 χ^2/NDF: 8814504.1/94

- sign 0.400+/-0.000 χ^2/NDF: 4114469.5/48



Right In: 144.161+/-0.000 χ^2/NDF: 3729277234.7/20

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.086+/-0.000 χ^2/NDF: 7476752113.6/25

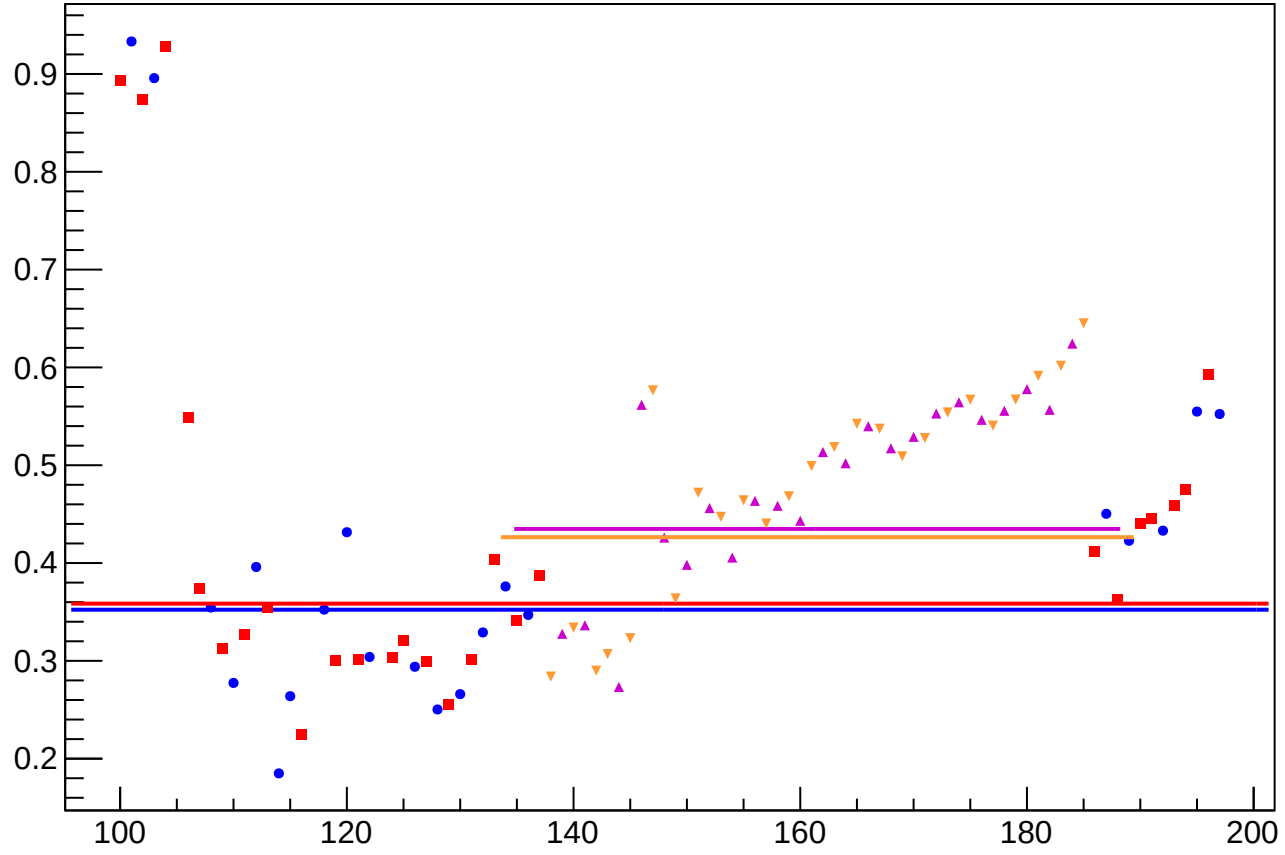
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.305+/-0.000 χ^2/NDF: 4334299456.7/45

All: 145.642+/-0.000 χ^2/NDF: 13490584355.

- sign 144.978+/-0.000 χ^2/NDF: 9008785493.6/48

yield_bcm_an_us_rms vs Slug



Right In: 0.352+/-0.000 χ^2/NDF: 2007332.0/20

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

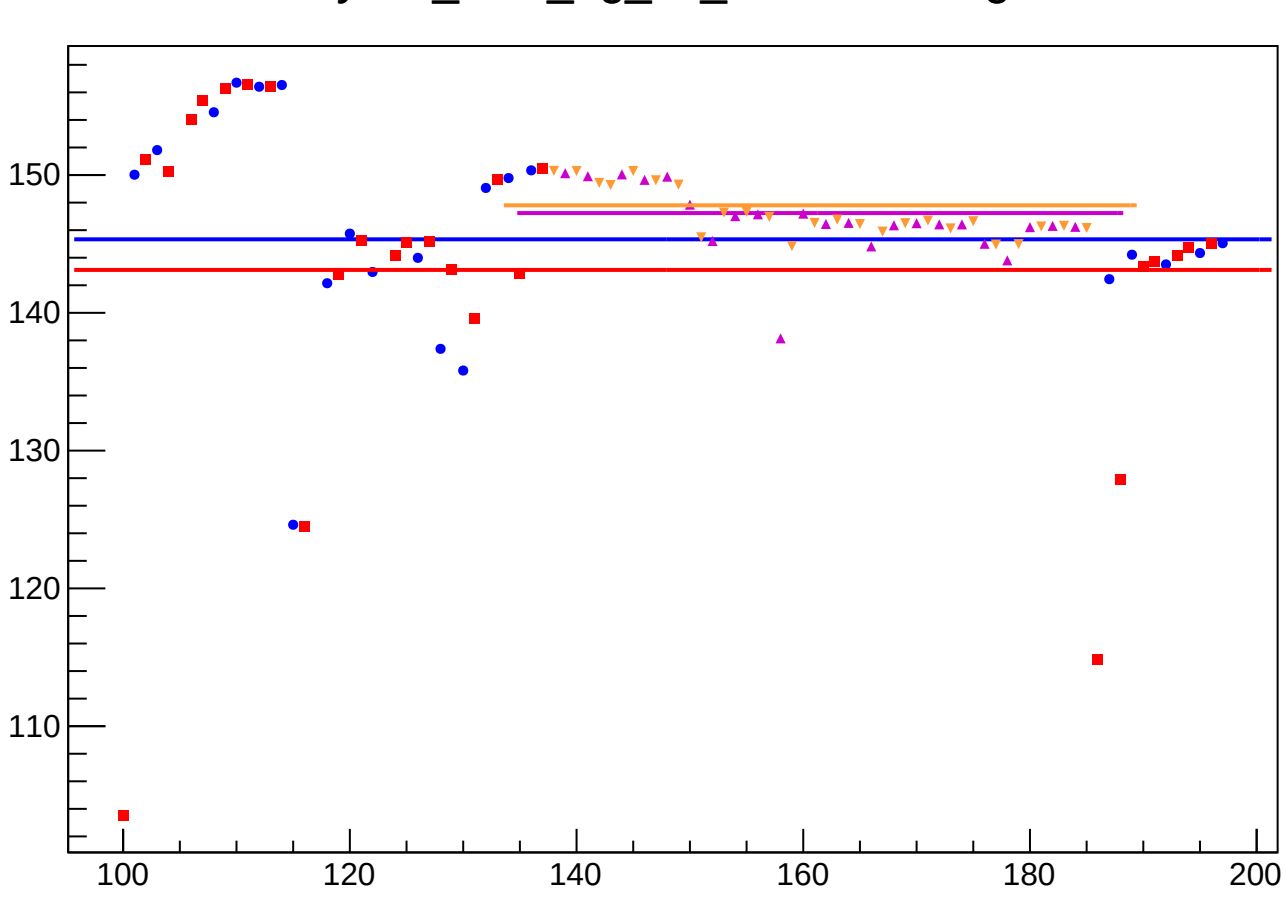
Right Out: 0.358+/-0.000 χ^2/NDF: 1862123.4/25

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.395+/-0.000 χ^2/NDF: 4715621.2/45

All: 0.397+/-0.000 χ^2/NDF: 8841287.6/94

- sign 0.399+/-0.000 χ^2/NDF: 4122988.4/48



Right In: 145.335+/-0.000 χ^2/NDF: 3514975718.0/20

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.114+/-0.000 χ^2/NDF: 7589802245.6/25

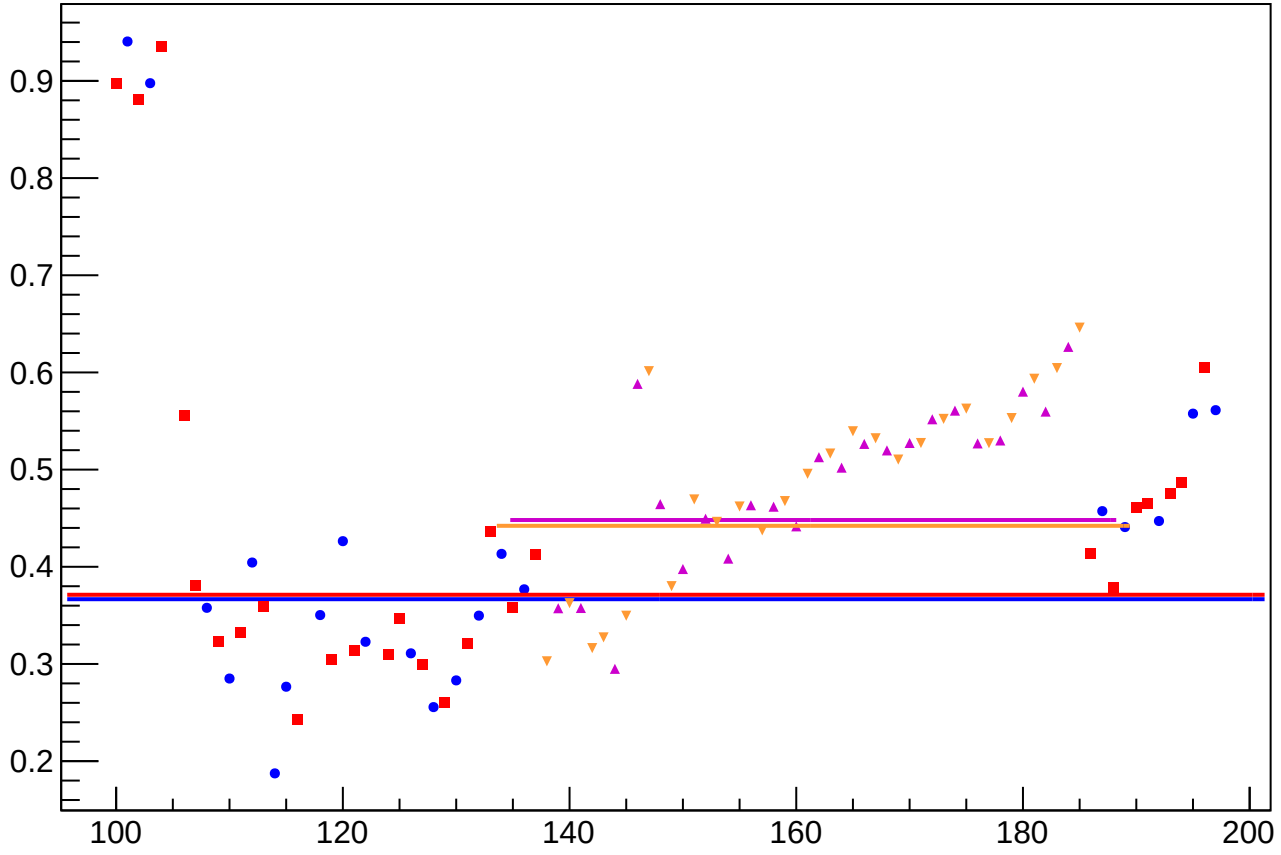
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.777+/-0.000 χ^2/NDF: 4074044608.9/45

All: 146.054+/-0.000 χ^2/NDF: 13113358089.

- sign 145.337+/-0.000 χ^2/NDF: 8876402452.8/48

yield_bcm_dg_us_rms vs Slug



Right In: 0.367+/-0.000 χ^2/NDF: 1926786.5/20

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

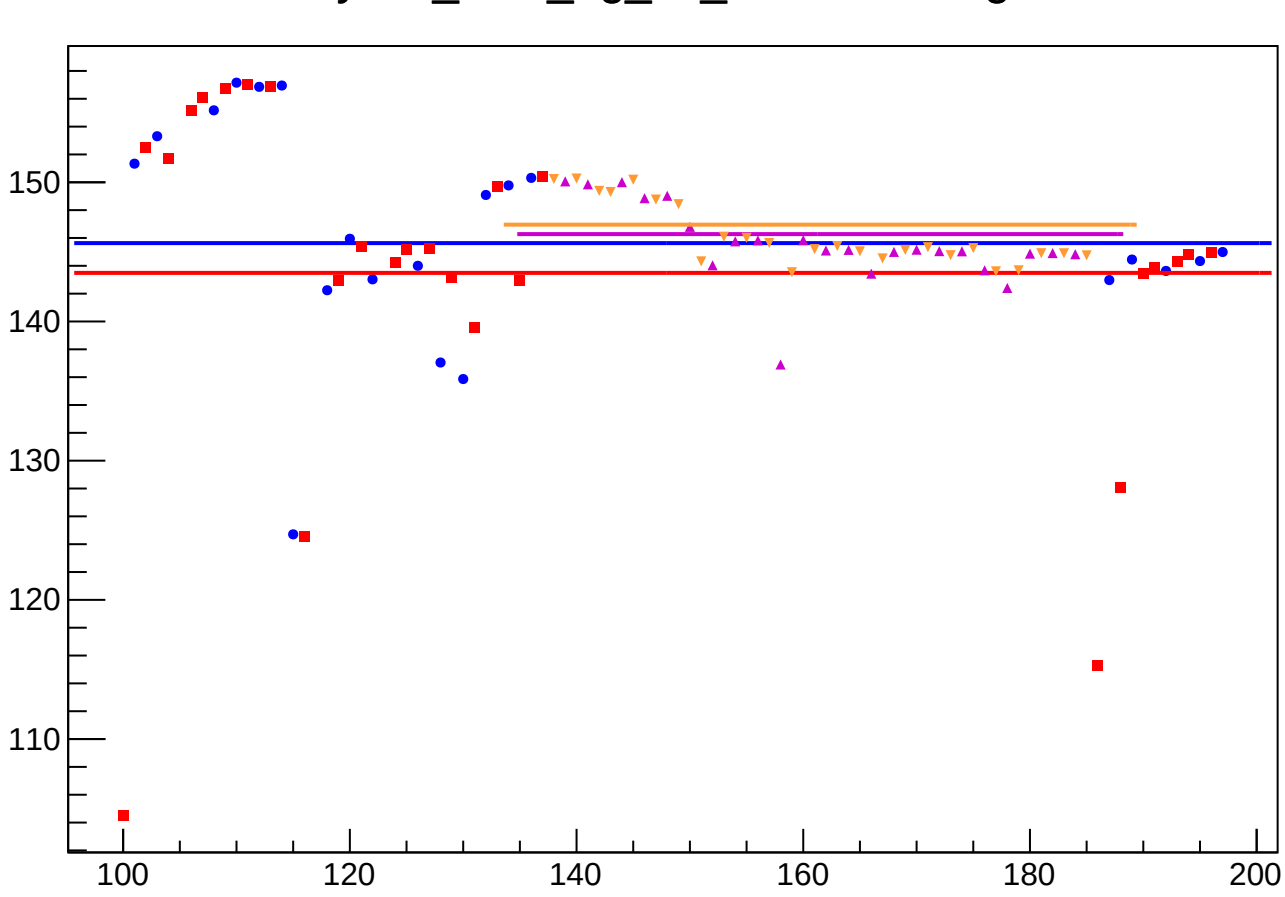
Right Out: 0.371+/-0.000 χ^2/NDF: 1813165.6/25

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.411+/-0.000 χ^2/NDF: 4065317.2/45

All: 0.412+/-0.000 χ^2/NDF: 7691142.3/94

- sign 0.413+/-0.000 χ^2/NDF: 3625246.0/48



Right In: 145.631+/-0.000 χ^2/NDF: 3660252953.2/20

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.492+/-0.000 χ^2/NDF: 7663980502.4/25

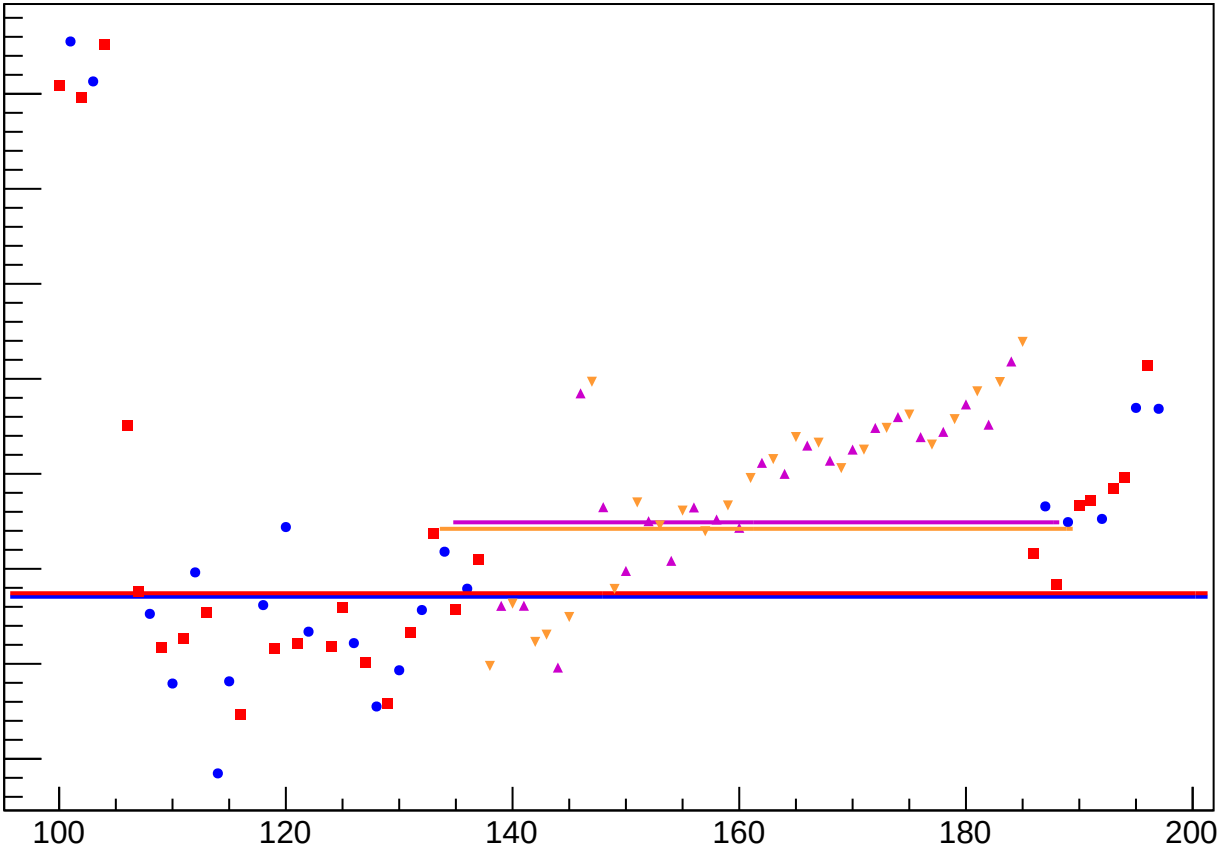
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.413+/-0.000 χ^2/NDF: 4268889610.3/45

All: 145.706+/-0.000 χ^2/NDF: 13212911713.

- sign 145.004+/-0.000 χ^2/NDF: 8789802818.9/48

yield_bcm_dg_ds_rms vs Slug



Right In: 0.371+/-0.000 χ^2/NDF: 1962883.7/20

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.374+/-0.000 χ^2/NDF: 1828739.2/25

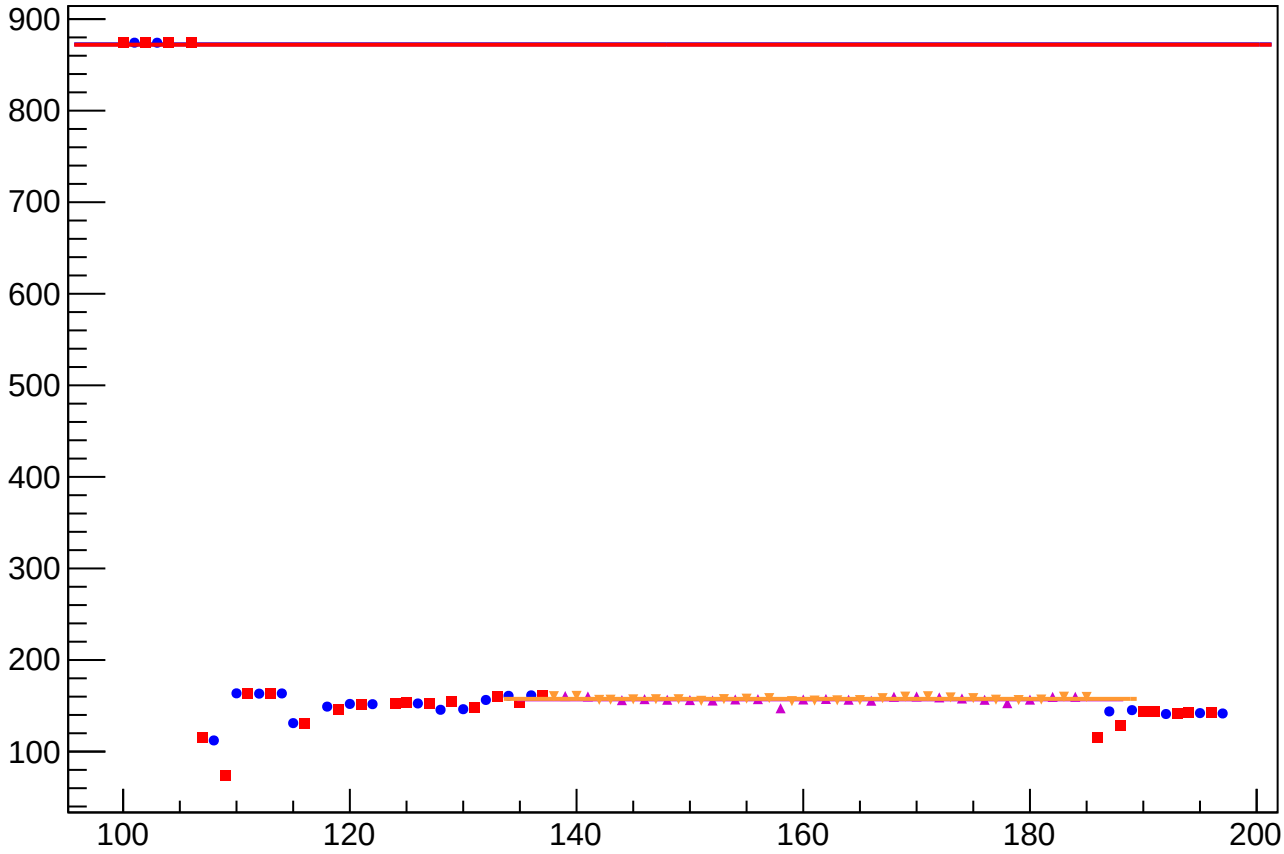
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.413+/-0.000 χ^2/NDF: 4022873.9/45

All: 0.414+/-0.000 χ^2/NDF: 7584810.3/94

- sign 0.415+/-0.000 χ^2/NDF: 3561296.3/48

yield_cav4bQ_mean vs Slug



Right In: 872.420+/-0.000 χ^2/NDF: 9283748765263.6/20

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.030+/-0.000 χ^2/NDF: 13074132335596.2/25

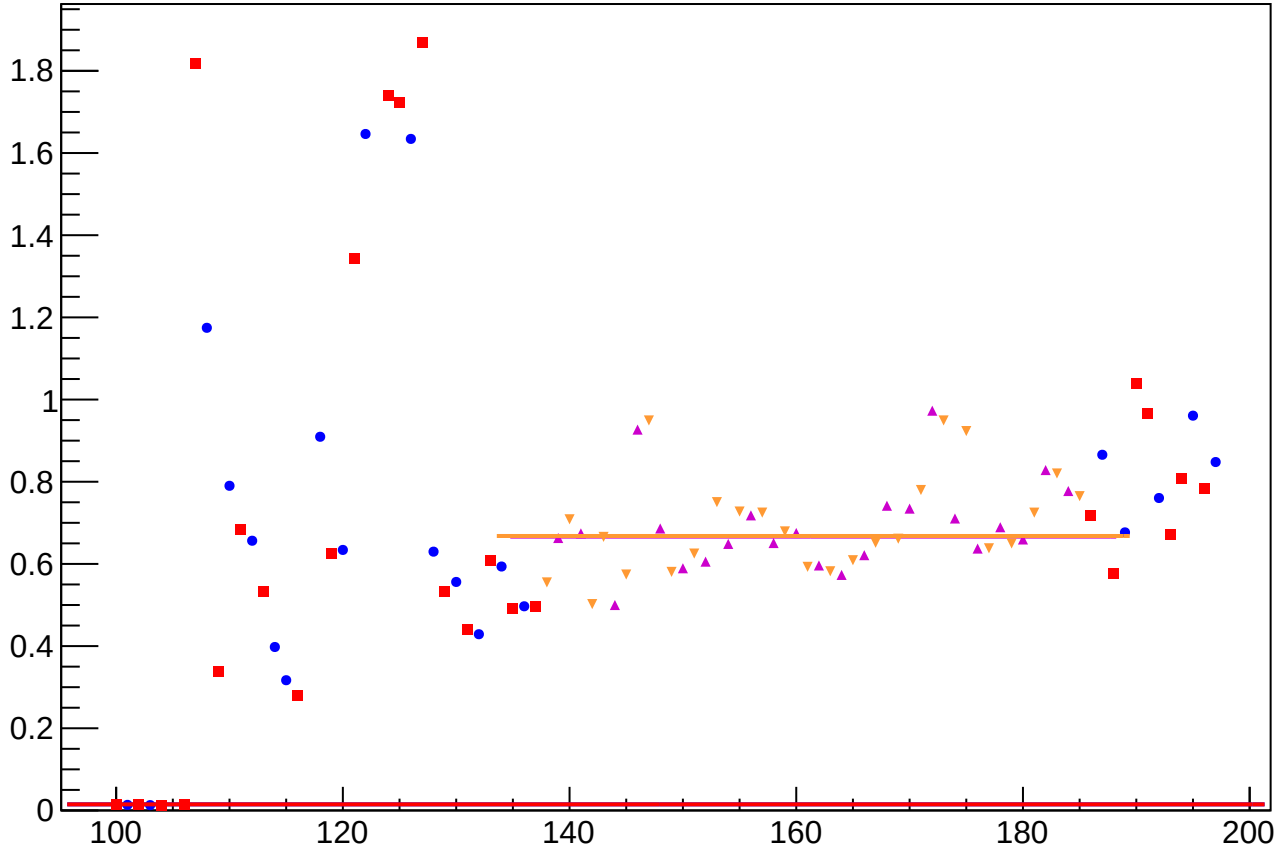
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.038+/-0.000 χ^2/NDF: 26515526664141.

All: 869.136+/-0.000 χ^2/NDF: 56093892984

- sign 869.221+/-0.000 χ^2/NDF: 29578238440588.

yield_cav4bQ_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 14609553.4/20

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 16382044.0/25

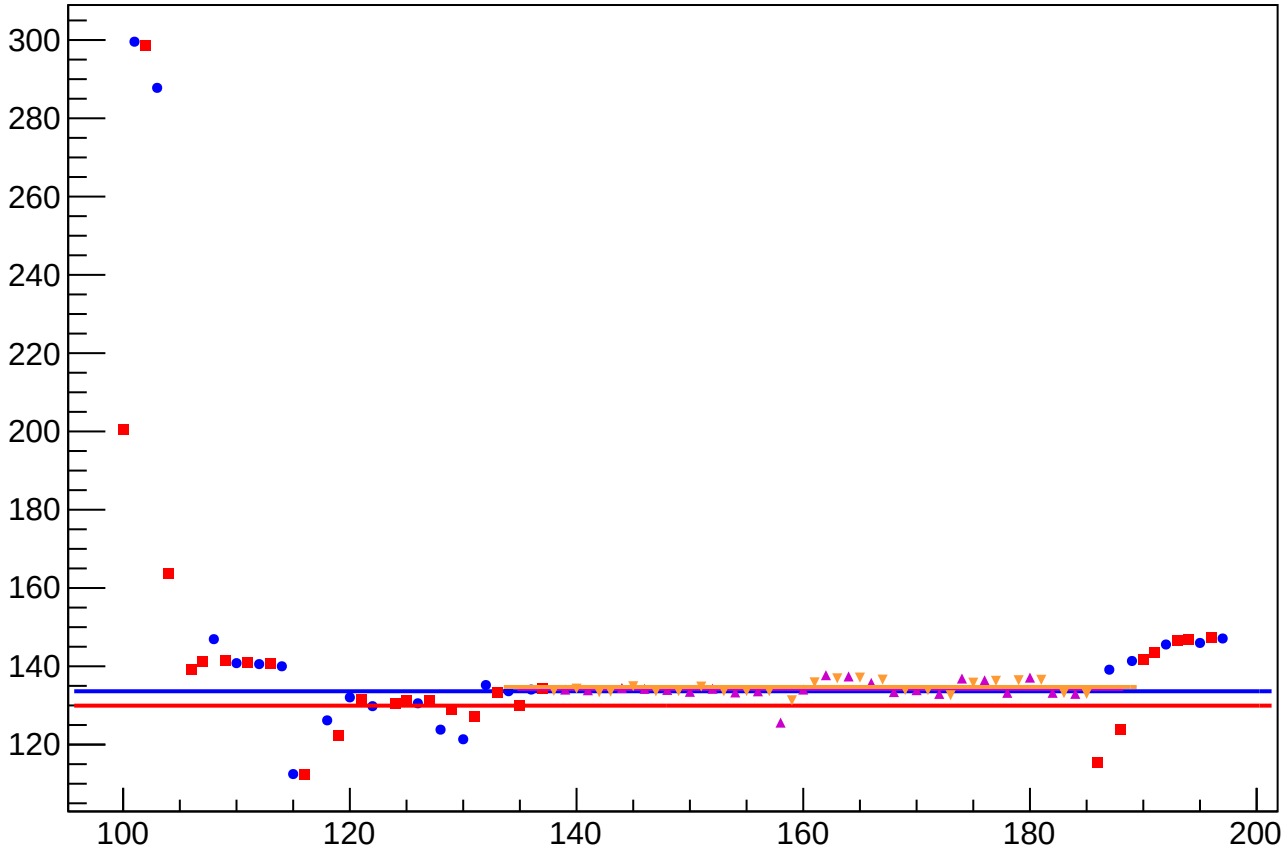
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 44062540.6/45

All: 0.018+/-0.000 χ^2/NDF: 88396695.7/94

- sign 0.017+/-0.000 χ^2/NDF: 44332199.9/48

yield_cav4cQ_mean vs Slug



Right In: 133.623+/-0.000 χ^2/NDF: 2737397127.6/20

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 129.947+/-0.000 χ^2/NDF: 3869703495.8/25

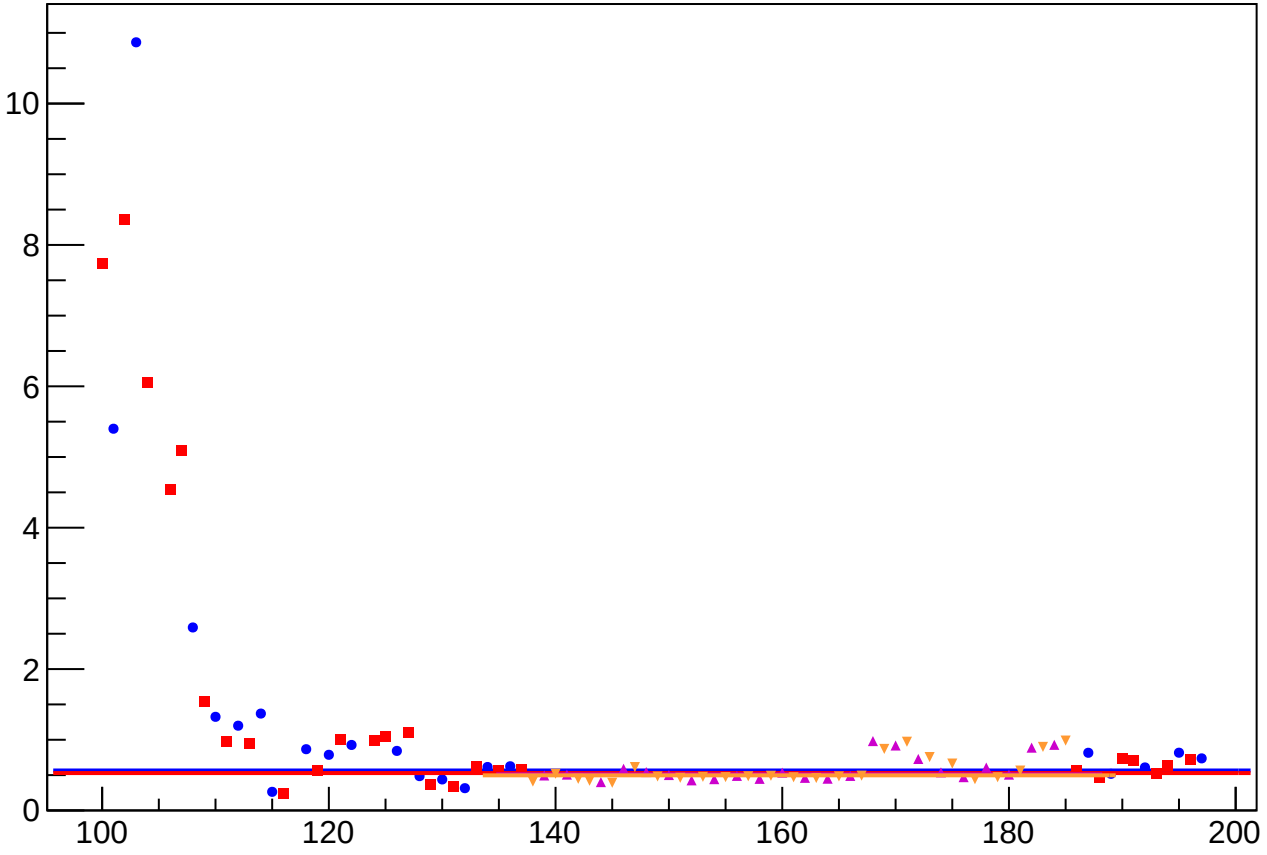
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 134.469+/-0.000 χ^2/NDF: 2915121249.2/45

All: 133.729+/-0.000 χ^2/NDF: 7650775740.8

- sign 132.983+/-0.000 χ^2/NDF: 4640711262.7/48

yield_cav4cQ_rms vs Slug



Right In: 0.565+/-0.000 χ^2/NDF: 4436594.4/20

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.529+/-0.000 χ^2/NDF: 5128555.6/25

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.512+/-0.000 χ^2/NDF: 6149477.9/45

All: 0.514+/-0.000 χ^2/NDF: 12777578.0/94

- sign 0.515+/-0.000 χ^2/NDF: 6627314.1/48

yield_cav4dQ_mean vs Slug

Right In: 1805.240+/-0.000 χ^2/NDF: 179324849576728.3/20

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1819.771+/-0.000 χ^2/NDF: 1959671012701325/25

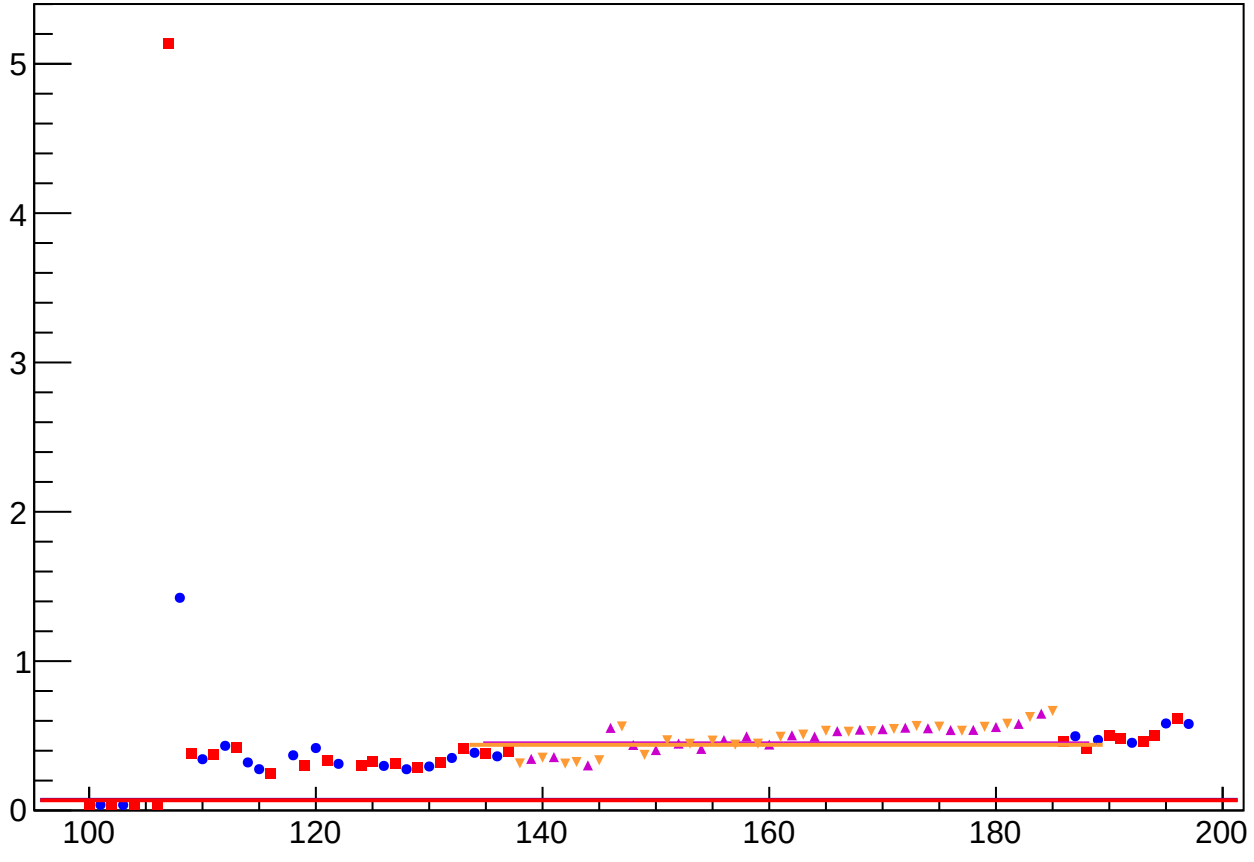
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1575.865+/-0.000 χ^2/NDF: 40202176069738

All: 1606.873+/-0.000 χ^2/NDF: 8129516986

- sign 1634.088+/-0.000 χ^2/NDF: 40971127226287

yield_cav4dQ_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF: 12881818.1/20

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

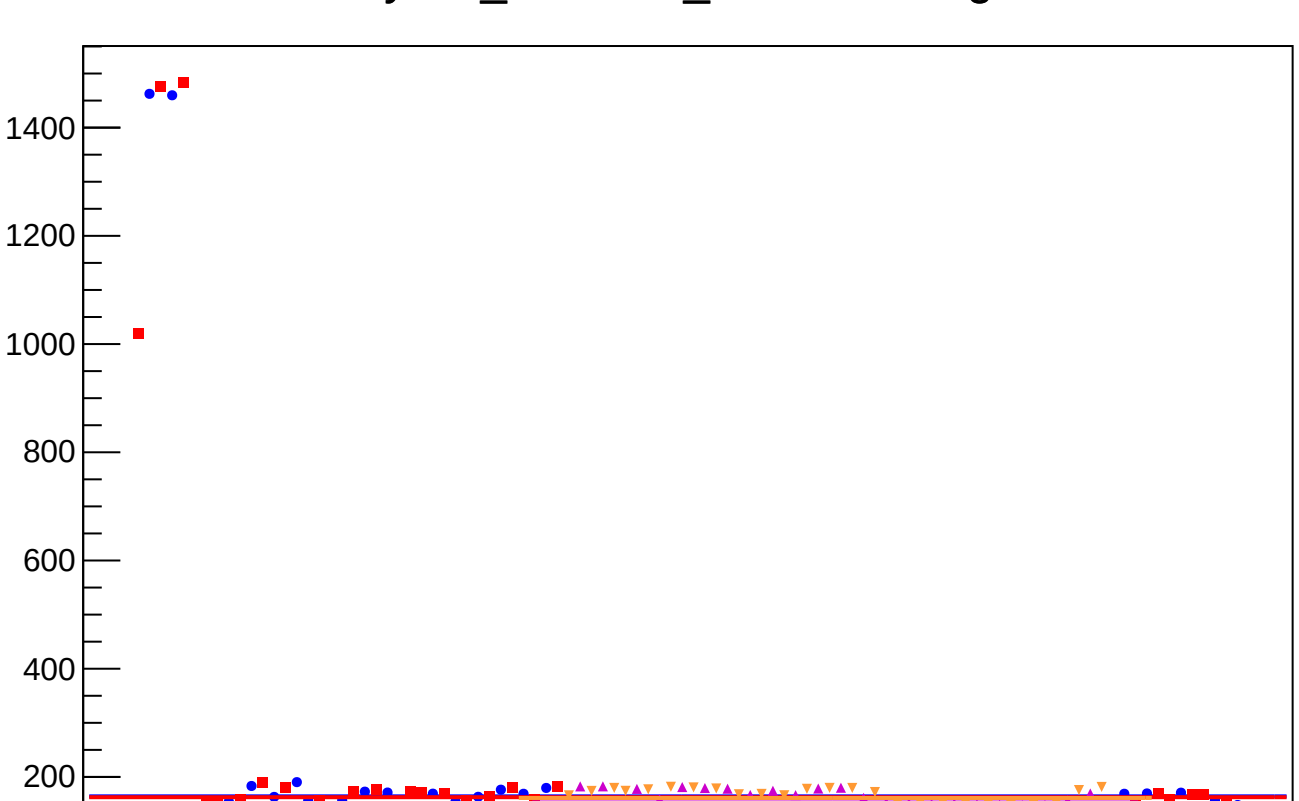
Right Out: 0.068+/-0.000 χ^2/NDF: 14119331.9/25

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.122+/-0.000 χ^2/NDF: 36417576.6/45

All: 0.116+/-0.000 χ^2/NDF: 73863277.7/94

- sign 0.111+/-0.000 χ^2/NDF: 37357739.5/48



Right In: 164.146+/-0.000 χ^2/NDF: 15118257179.7/20

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 162.536+/-0.000 χ^2/NDF: 17498655845.2/25

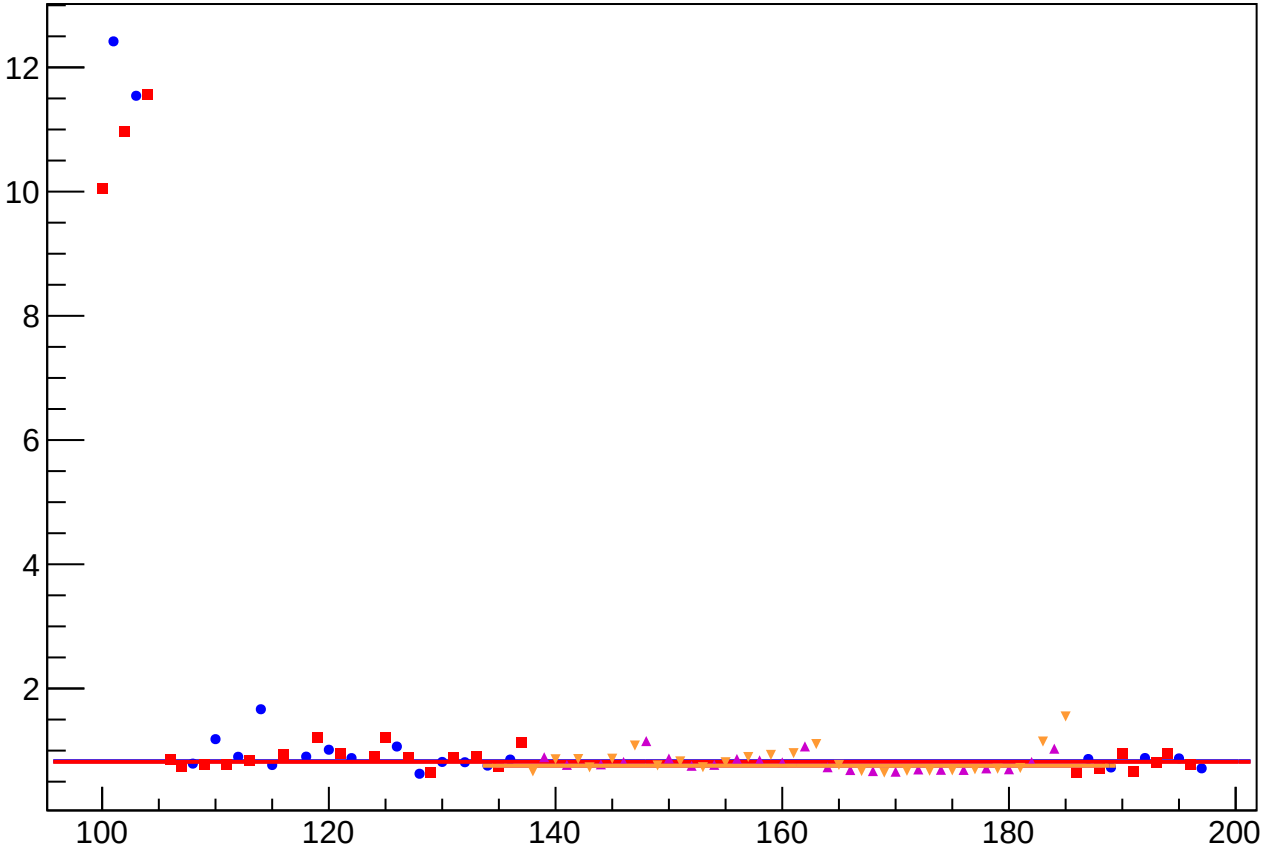
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 161.990+/-0.000 χ^2/NDF: 18919272855.9/45

All: 161.446+/-0.000 χ^2/NDF: 40220069335.

- sign 160.915+/-0.000 χ^2/NDF: 21280849321.2/48

yield_bcm0l02_rms vs Slug



Right In: 0.829+/-0.000 χ^2/NDF: 2368847.1/20

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

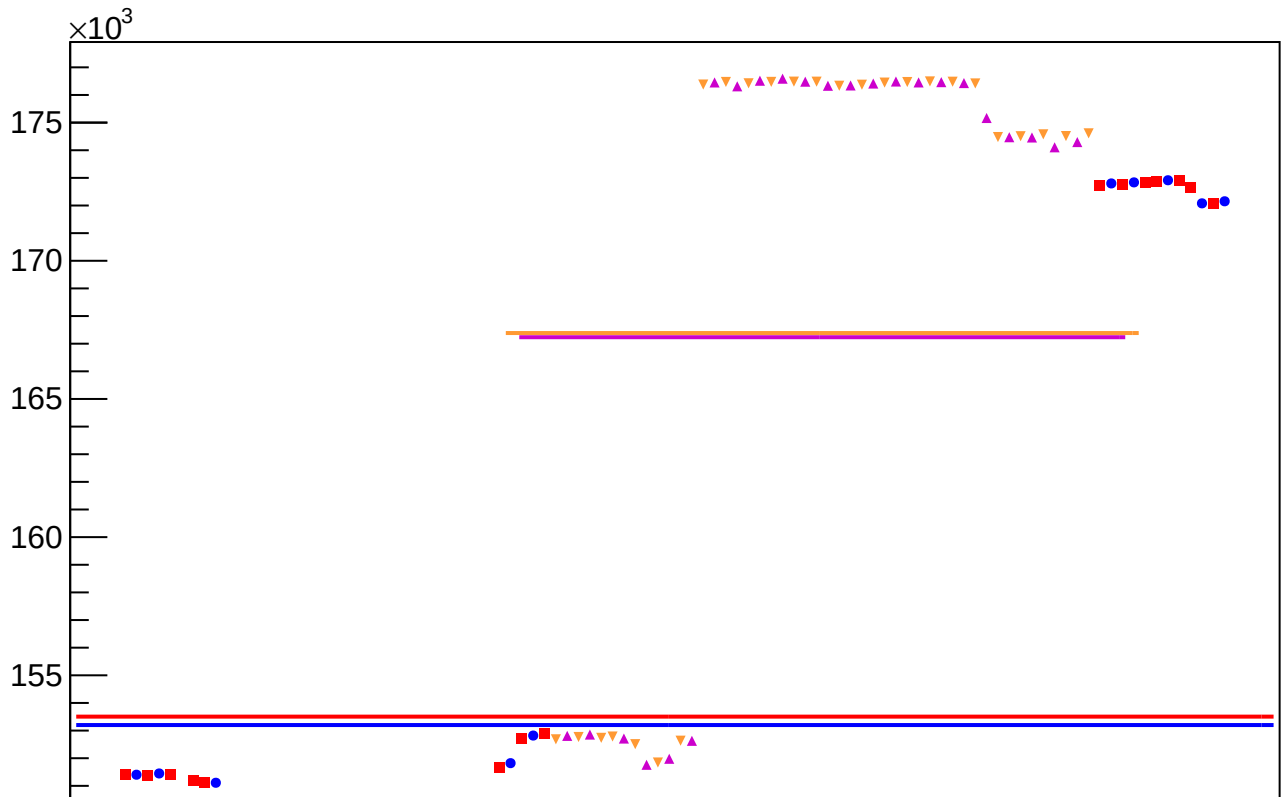
Right Out: 0.819+/-0.000 χ^2/NDF: 2374792.7/25

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.777+/-0.000 χ^2/NDF: 3192388.4/45

All: 0.776+/-0.000 χ^2/NDF: 6101881.3/94

- sign 0.776+/-0.000 χ^2/NDF: 2909472.4/48



Right In: 153200.291+/-0.051 χ^2/NDF: 19591718476.5/20

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153505.077+/-0.047 χ^2/NDF: 25220624018.5/25

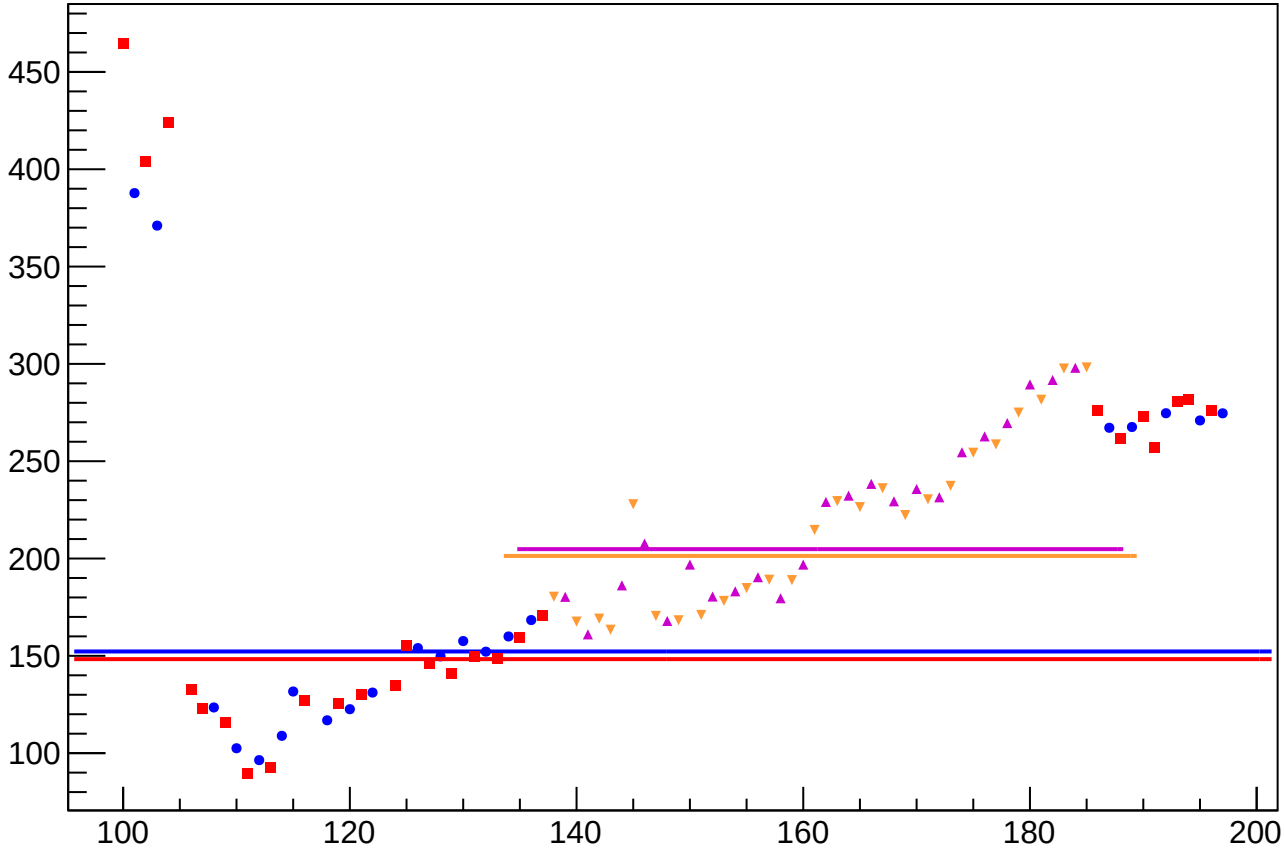
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160942.571+/-0.035 χ^2/NDF: 121042800037

All: 160550.568+/-0.024 χ^2/NDF: 24222949

- sign 160169.314+/-0.034 χ^2/NDF: 120932400750

yield_bpm2i01WS_rms vs Slug



Right In: 152.246+/-0.036 χ^2/NDF: 2910736.5/20

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 148.308+/-0.034 χ^2/NDF: 3746920.9/25

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 179.035+/-0.024 χ^2/NDF: 5143443.2/45

All: 177.366+/-0.017 χ^2/NDF: 11329234.2/94

- sign 175.742+/-0.024 χ^2/NDF: 6176565.7/48

Right In: -1379.861+/-0.018 χ^2/NDF: 5530392965395.7/20

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 7662.098+/-0.021 χ^2/NDF: 6333931819673.5/25

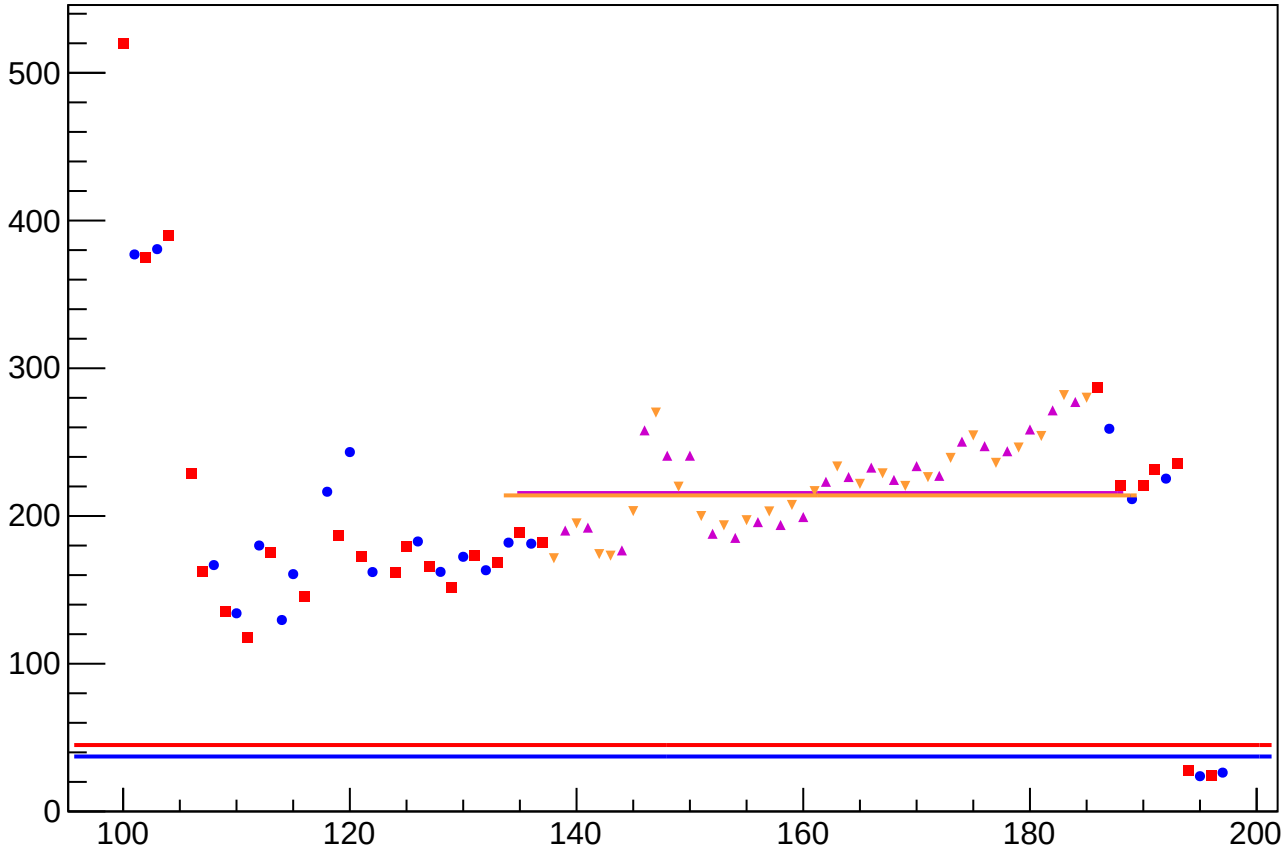
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 16489.860+/-0.017 χ^2/NDF: 132868396293

All: 21539.230+/-0.013 χ^2/NDF: 259476777

- sign 28202.845+/-0.020 χ^2/NDF: 1246184712025

yield_bpm0i07WS_rms vs Slug



Right In: 37.200+/-0.013 χ^2/NDF: 11906908.4/20

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

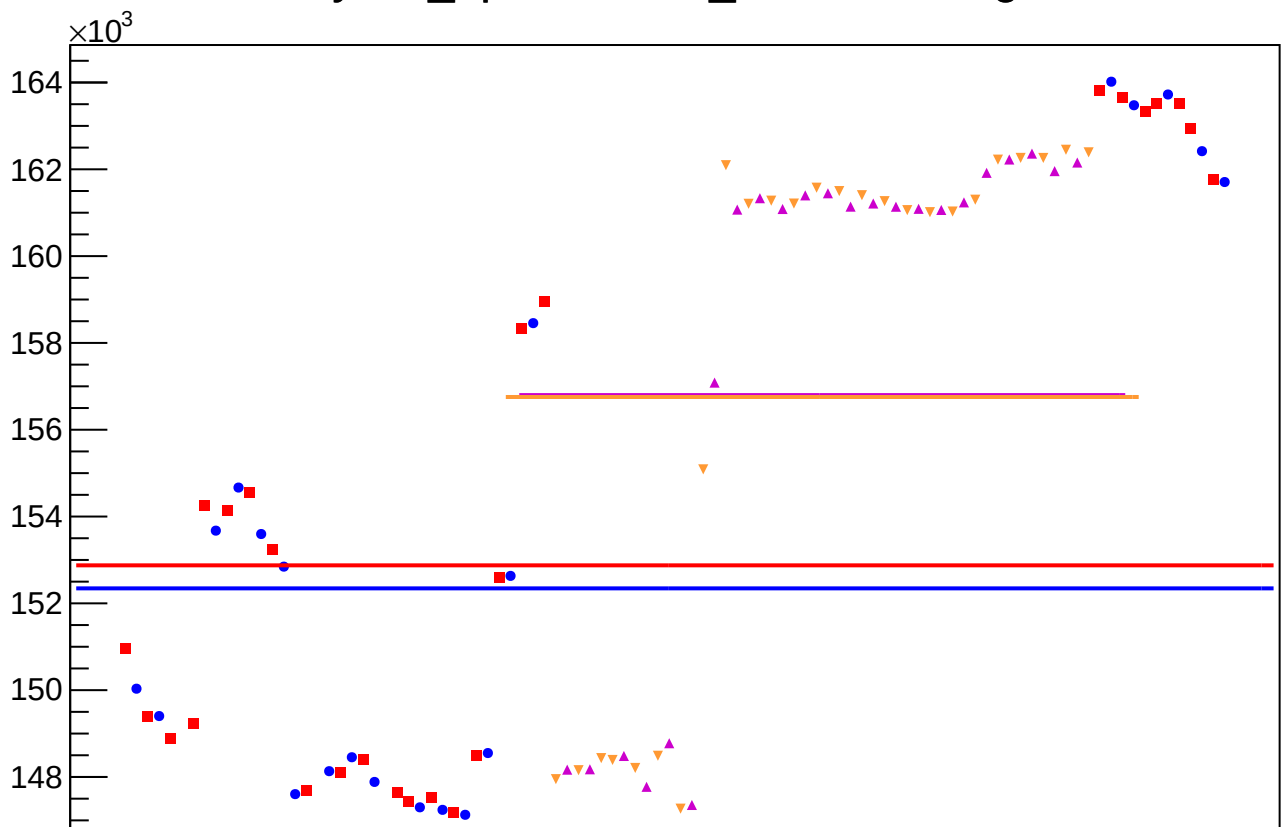
Right Out: 44.958+/-0.015 χ^2/NDF: 12913476.7/25

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 58.737+/-0.012 χ^2/NDF: 35052603.1/45

All: 63.798+/-0.009 χ^2/NDF: 67842018.3/94

- sign 70.477+/-0.014 χ^2/NDF: 32389636.6/48



Right In: 152345.127+/-0.059 χ^2/NDF: 8254549039.5/20

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

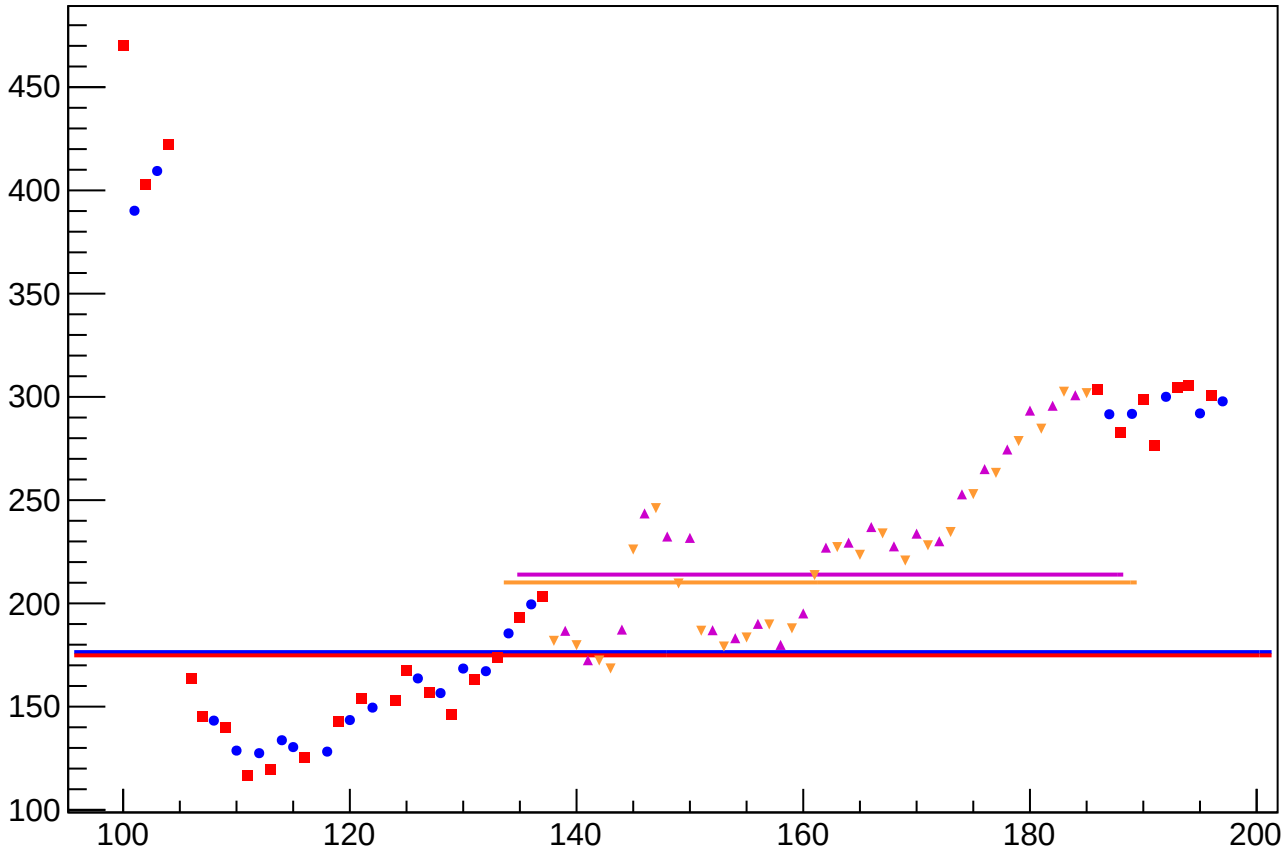
Right Out: 152875.598+/-0.055 χ^2/NDF: 9555276111.9/25

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154954.682+/-0.037 χ^2/NDF: 27989198378.

All: 154975.274+/-0.026 χ^2/NDF: 5461199

- sign 154995.913+/-0.037 χ^2/NDF: 26622194693.



Right In: 176.401+/-0.041 χ^2/NDF: 2465880.5/20

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

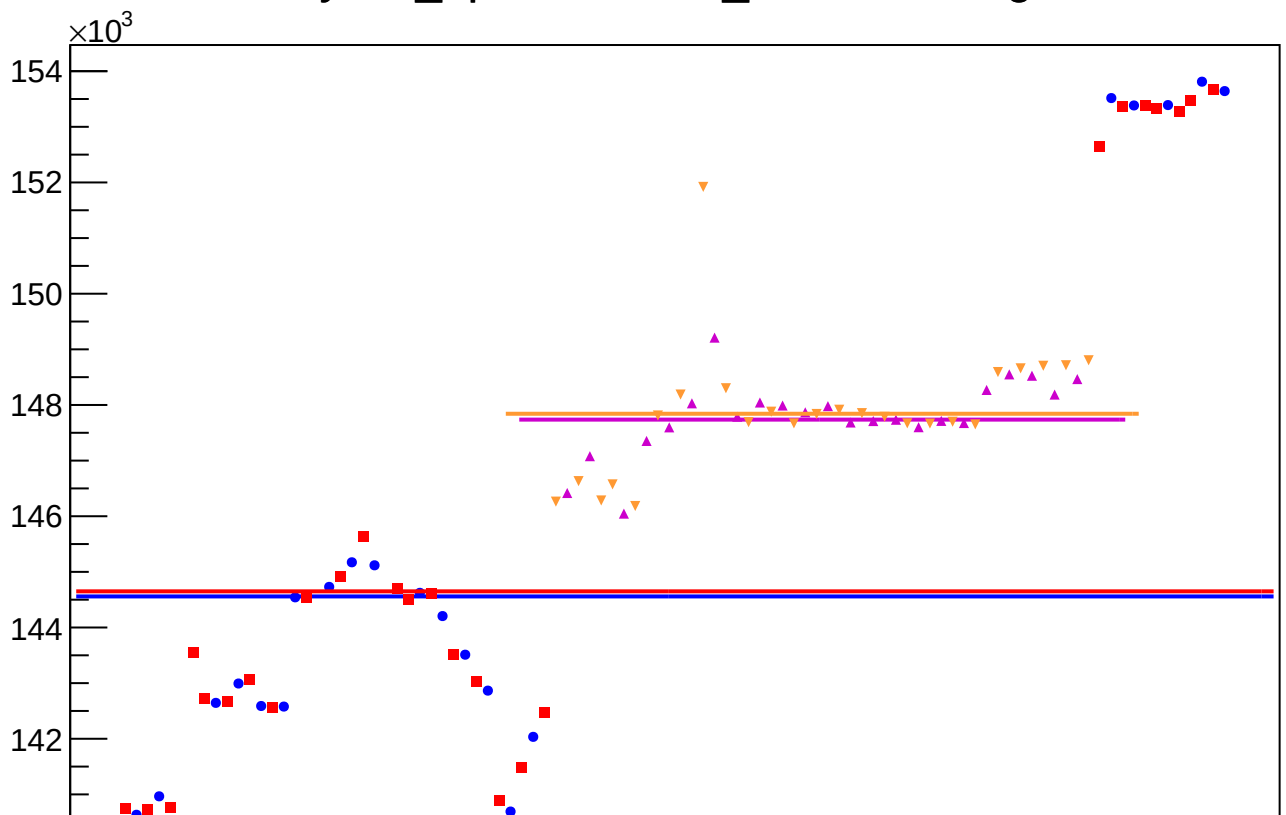
Right Out: 174.838+/-0.039 χ^2/NDF: 3027338.8/25

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 196.371+/-0.026 χ^2/NDF: 3856504.0/45

All: 196.175+/-0.019 χ^2/NDF: 8339749.8/94

- sign 195.978+/-0.026 χ^2/NDF: 4483135.7/48



Right In: 144558.441+/-0.050 χ^2/NDF: 5057922209.8/20

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 144649.963+/-0.046 χ^2/NDF: 6179195836.4/25

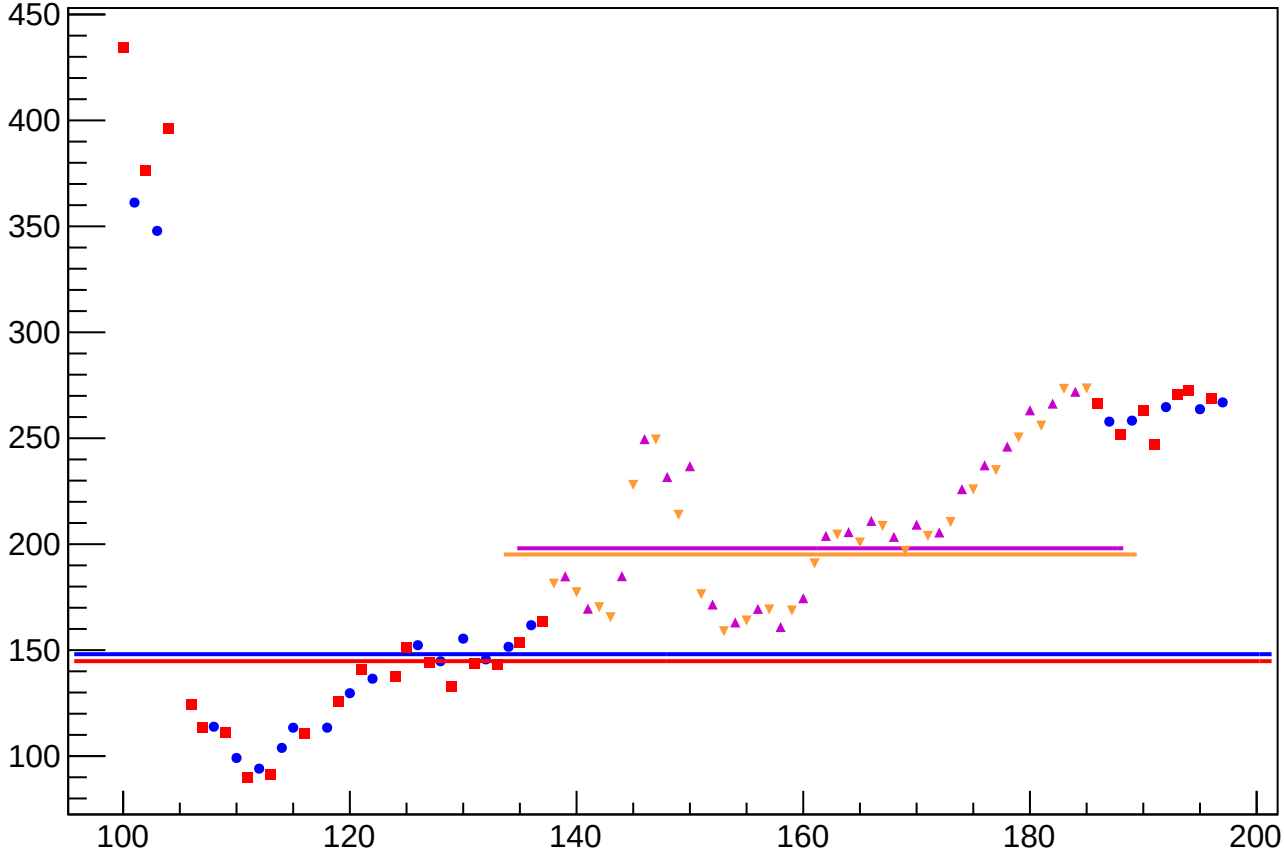
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146361.722+/-0.033 χ^2/NDF: 8157762465.5

All: 146260.335+/-0.023 χ^2/NDF: 16766236

- sign 146161.516+/-0.033 χ^2/NDF: 8590326508.4/

yield_bpm0i01aWS_rms vs Slug



Right In: 148.086+/-0.035 χ^2/NDF: 2858418.8/20

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

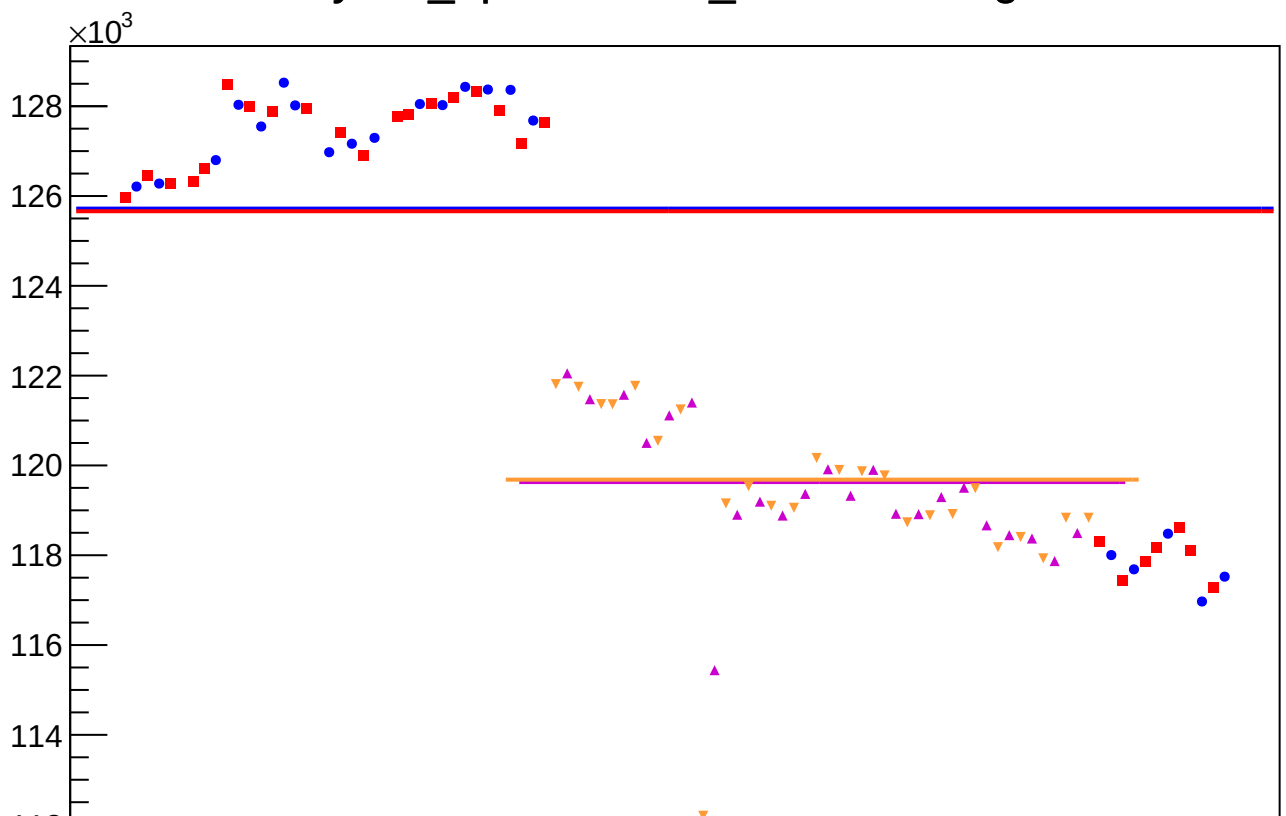
Right Out: 144.803+/-0.033 χ^2/NDF: 3626582.6/25

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 173.929+/-0.024 χ^2/NDF: 4742813.8/45

All: 172.385+/-0.017 χ^2/NDF: 10578328.5/94

- sign 170.881+/-0.023 χ^2/NDF: 5827099.1/48



Right In: 125719.758+/-0.052 χ^2/NDF: 5956282253.2/20

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 125660.895+/-0.049 χ^2/NDF: 6918255668.5/25

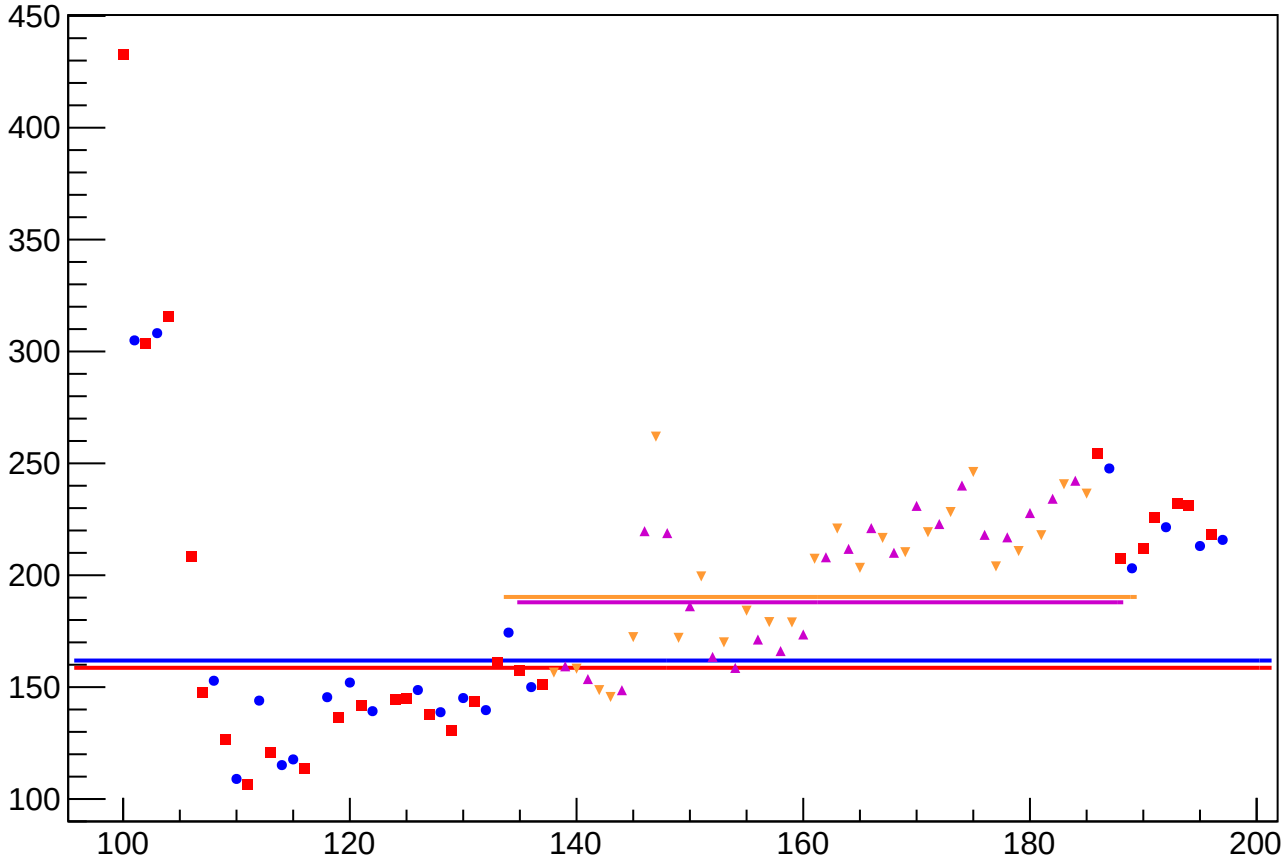
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122202.317+/-0.034 χ^2/NDF: 15702100535.

All: 122303.274+/-0.024 χ^2/NDF: 32211561

- sign 122400.025+/-0.033 χ^2/NDF: 16491978594.

yield_bpm0l01WS_rms vs Slug



Right In: 161.885+/-0.037 χ^2/NDF: 1361789.2/20

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

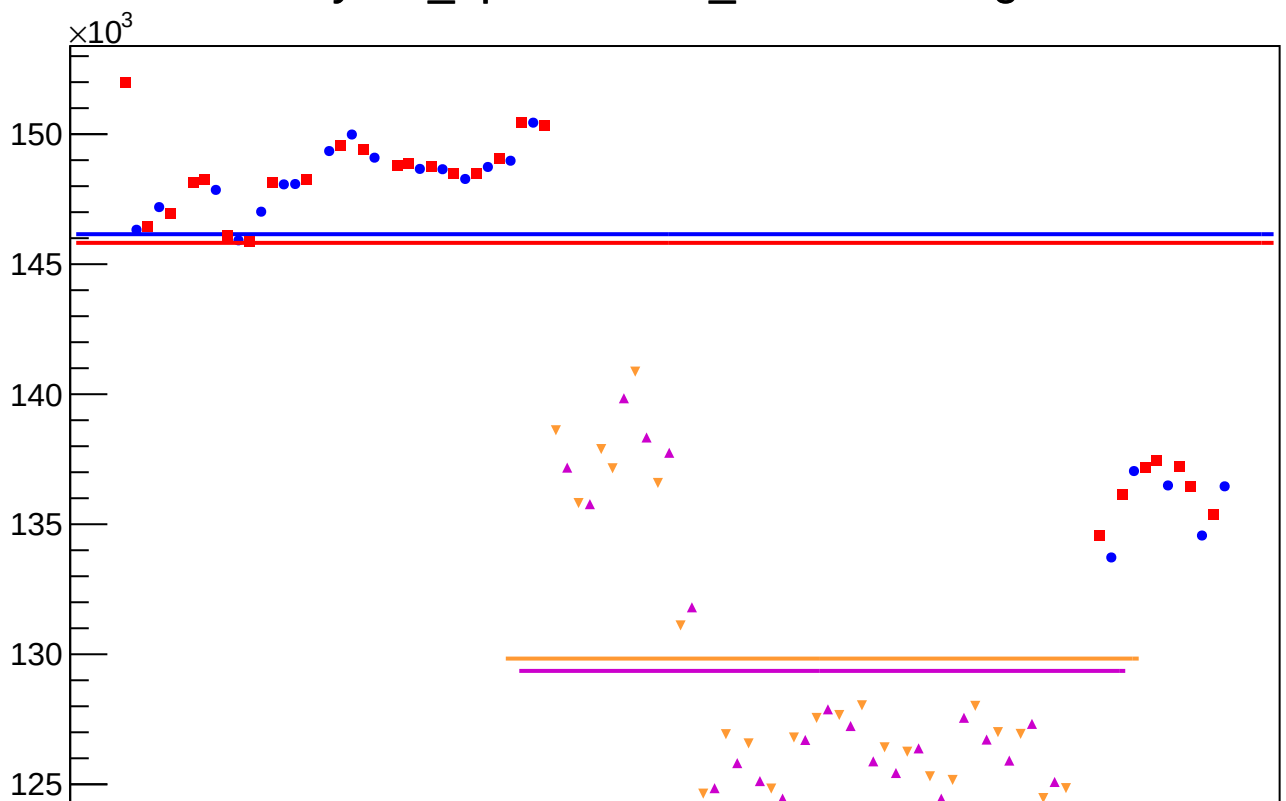
Right Out: 158.637+/-0.035 χ^2/NDF: 1951590.3/25

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 178.442+/-0.024 χ^2/NDF: 2630185.4/45

All: 176.410+/-0.017 χ^2/NDF: 5910937.8/94

- sign 174.463+/-0.023 χ^2/NDF: 3266593.3/48



Right In: 146153.379+/-0.074 χ^2/NDF: 4707969536.2/20

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 145819.793+/-0.068 χ^2/NDF: 5381444169.7/25

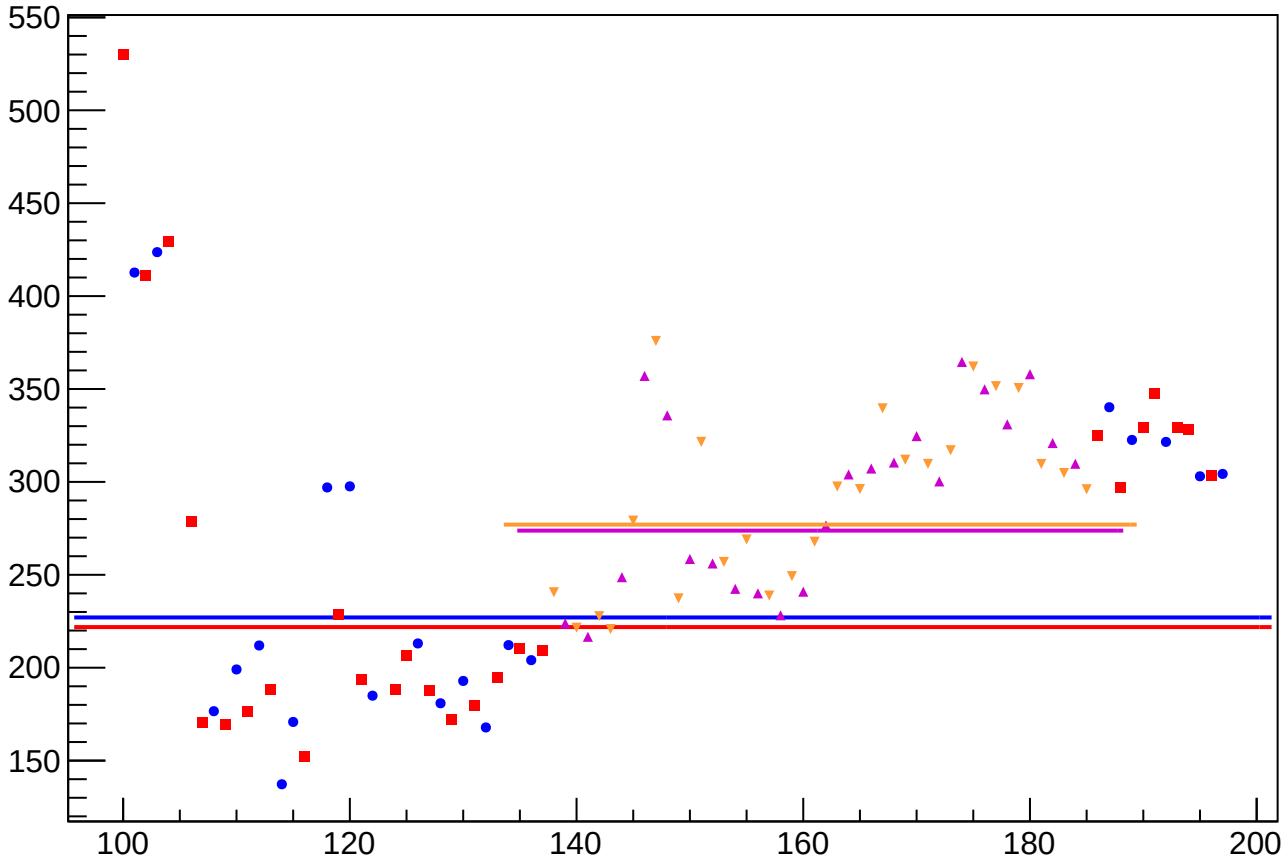
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136860.855+/-0.048 χ^2/NDF: 39322560394.

All: 137046.702+/-0.034 χ^2/NDF: 81659970

- sign 137223.346+/-0.047 χ^2/NDF: 42308705200.

yield_bpm0l02WS_rms vs Slug



Right In: 227.053+/-0.052 χ^2/NDF: 1608112.2/20

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

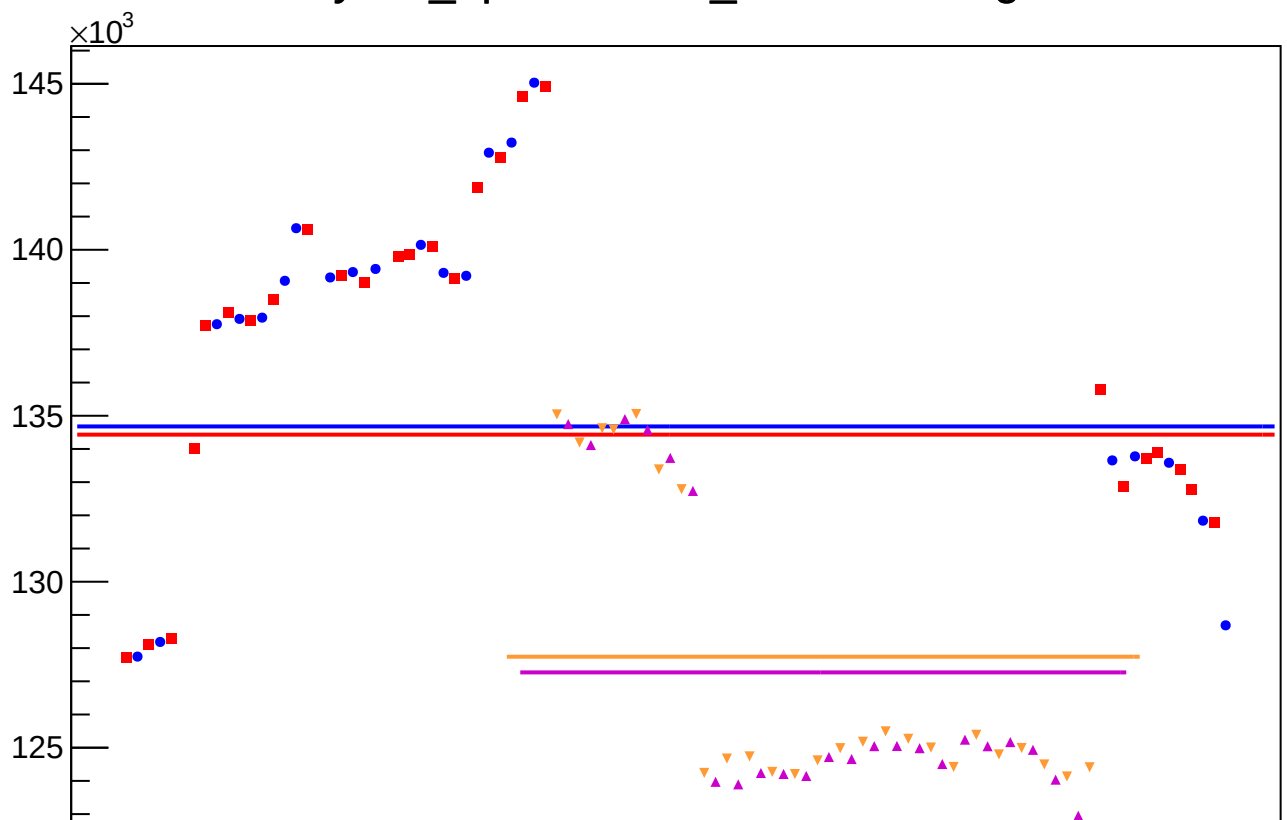
Right Out: 221.870+/-0.048 χ^2/NDF: 1910332.8/25

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 255.506+/-0.034 χ^2/NDF: 3076394.0/45

All: 252.162+/-0.024 χ^2/NDF: 6612122.7/94

- sign 248.984+/-0.033 χ^2/NDF: 3517143.2/48



Right In: 134678.236+/-0.131 χ^2/NDF: 1929338047.7/20

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 134431.135+/-0.124 χ^2/NDF: 1318154883.5/25

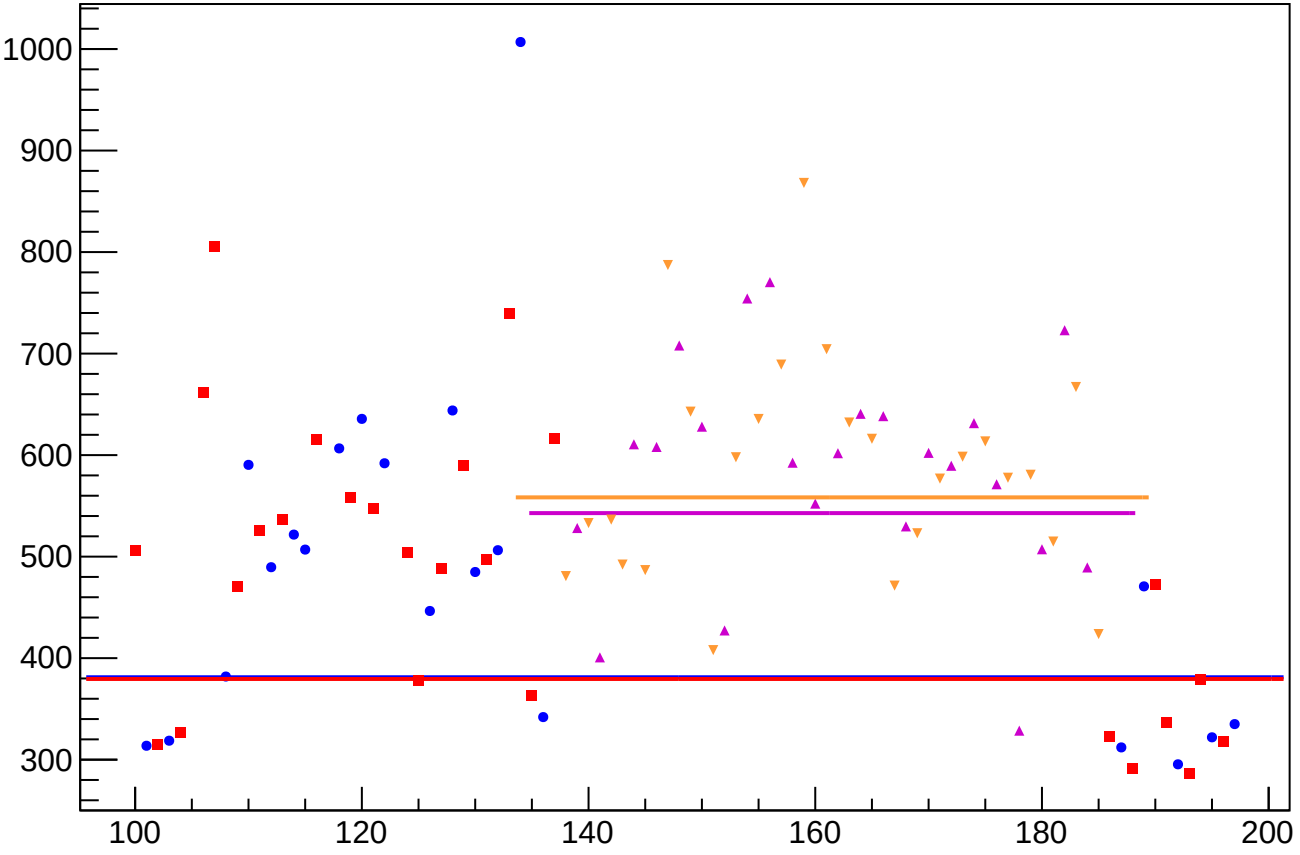
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131317.012+/-0.094 χ^2/NDF: 4371435720.6

All: 131274.259+/-0.066 χ^2/NDF: 8139611

- sign 131233.086+/-0.093 χ^2/NDF: 3767772514.6/

yield_bpm0l03WS_rms vs Slug



Right In: 381.163+/-0.093 χ^2/NDF: 1338427.7/20

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

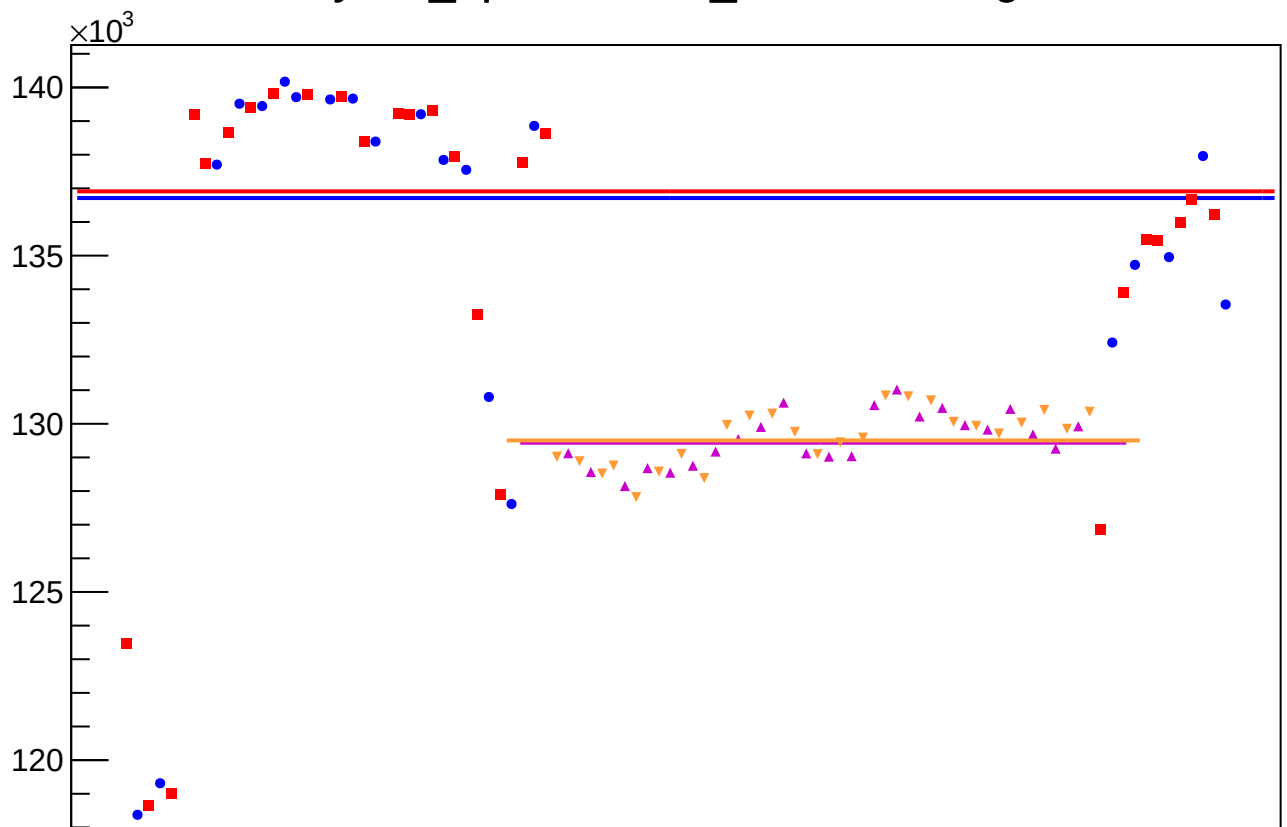
Right Out: 379.513+/-0.088 χ^2/NDF: 1502798.3/25

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 467.027+/-0.067 χ^2/NDF: 4068072.7/45

All: 459.602+/-0.047 χ^2/NDF: 8549715.9/94

- sign 452.451+/-0.065 χ^2/NDF: 4457341.7/48



Right In: 136711.854+/-0.065 χ^2/NDF: 5991647993.3/20

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136911.154+/-0.060 χ^2/NDF: 6297664982.5/25

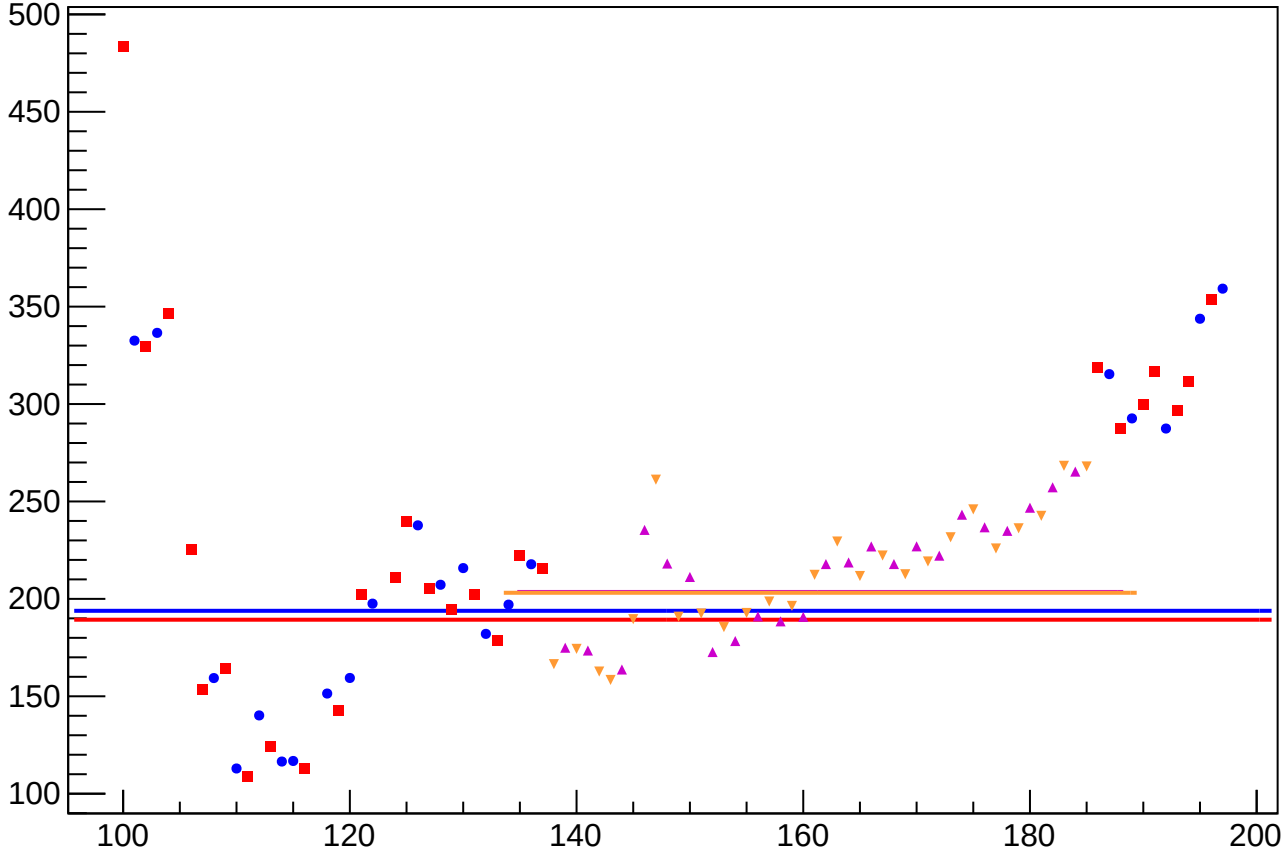
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131995.802+/-0.038 χ^2/NDF: 14418544862.

All: 132193.227+/-0.027 χ^2/NDF: 30436987

- sign 132387.164+/-0.038 χ^2/NDF: 15964985973.

yield_bpm0l04WS_rms vs Slug



Right In: 193.875+/-0.046 χ^2/NDF: 2413808.4/20

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

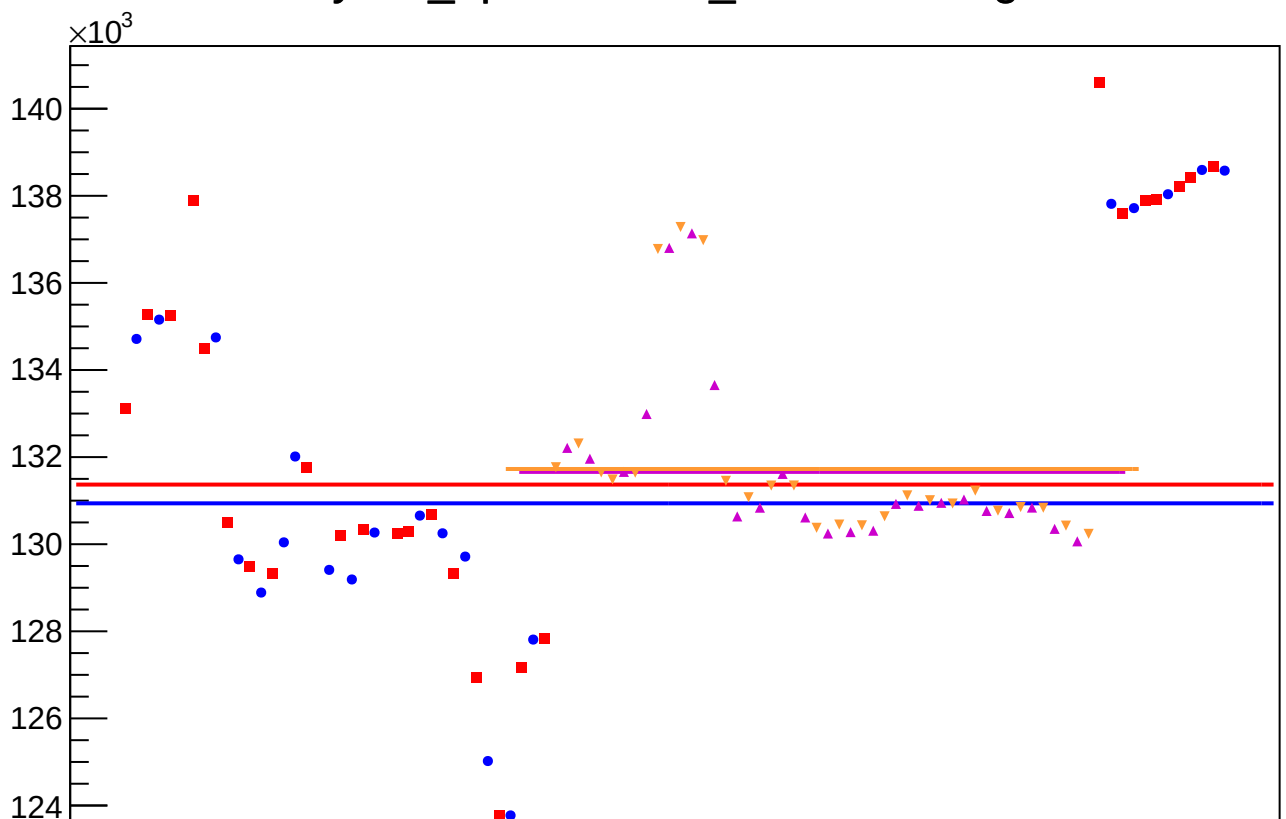
Right Out: 189.303+/-0.042 χ^2/NDF: 3033269.2/25

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 199.930+/-0.027 χ^2/NDF: 3199059.9/45

All: 198.919+/-0.019 χ^2/NDF: 6969458.4/94

- sign 197.925+/-0.027 χ^2/NDF: 3767590.6/48



Right In: 130938.543+/-0.060 χ^2/NDF: 4990471059.5/20

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 131369.211+/-0.055 χ^2/NDF: 5595485505.8/25

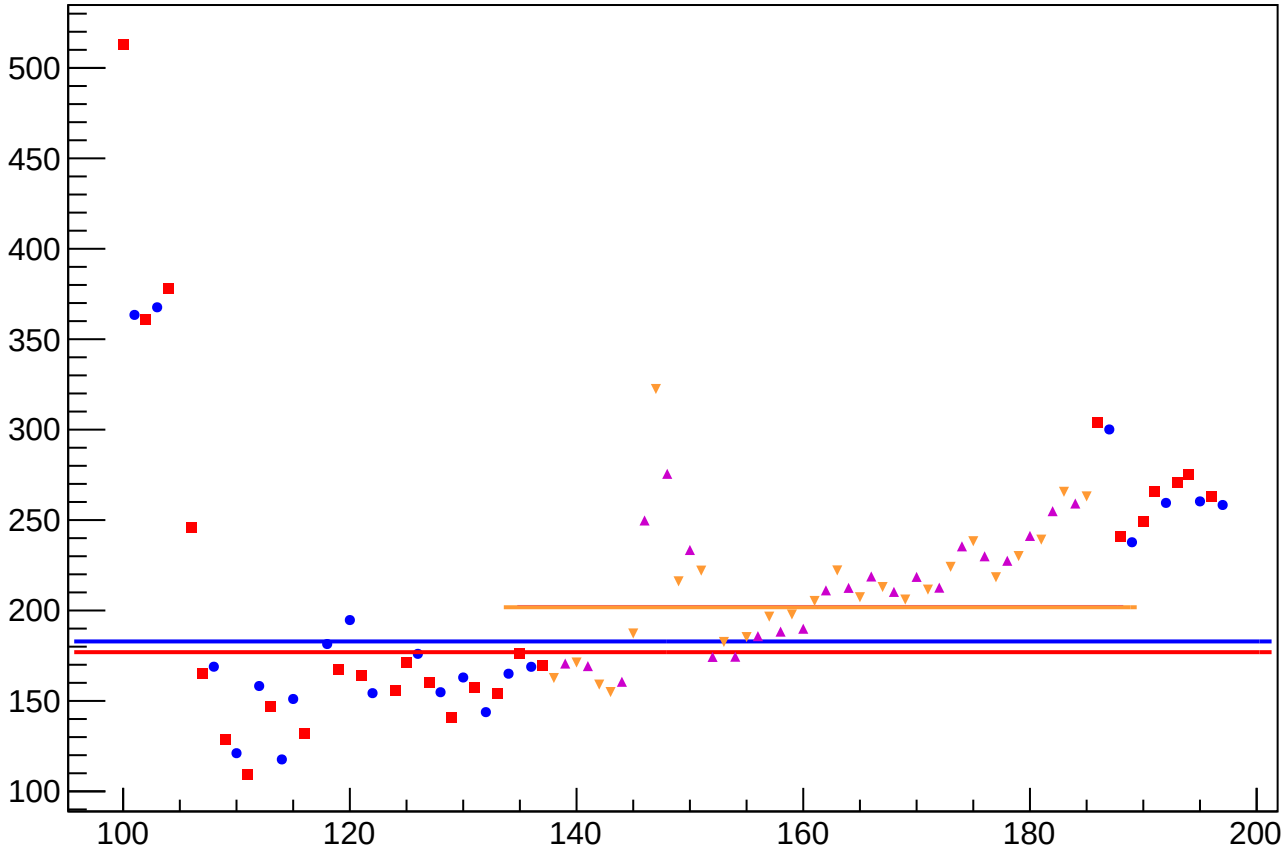
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131427.469+/-0.037 χ^2/NDF: 6523178258.5

All: 131481.924+/-0.026 χ^2/NDF: 13303122

- sign 131534.696+/-0.036 χ^2/NDF: 6775652915.5/

yield_bpm0l05WS_rms vs Slug



Right In: 182.894+/-0.042 χ^2/NDF: 1639774.5/20

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 176.962+/-0.039 χ^2/NDF: 2369748.9/25

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 194.615+/-0.026 χ^2/NDF: 2668873.7/45

All: 192.859+/-0.018 χ^2/NDF: 6082571.9/94

- sign 191.156+/-0.026 χ^2/NDF: 3404768.2/48

Right In: 6723.839+/-0.011 χ^2/NDF: 4865915678413.1/20

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 10218.927+/-0.013 χ^2/NDF: 5597893210262.2/25

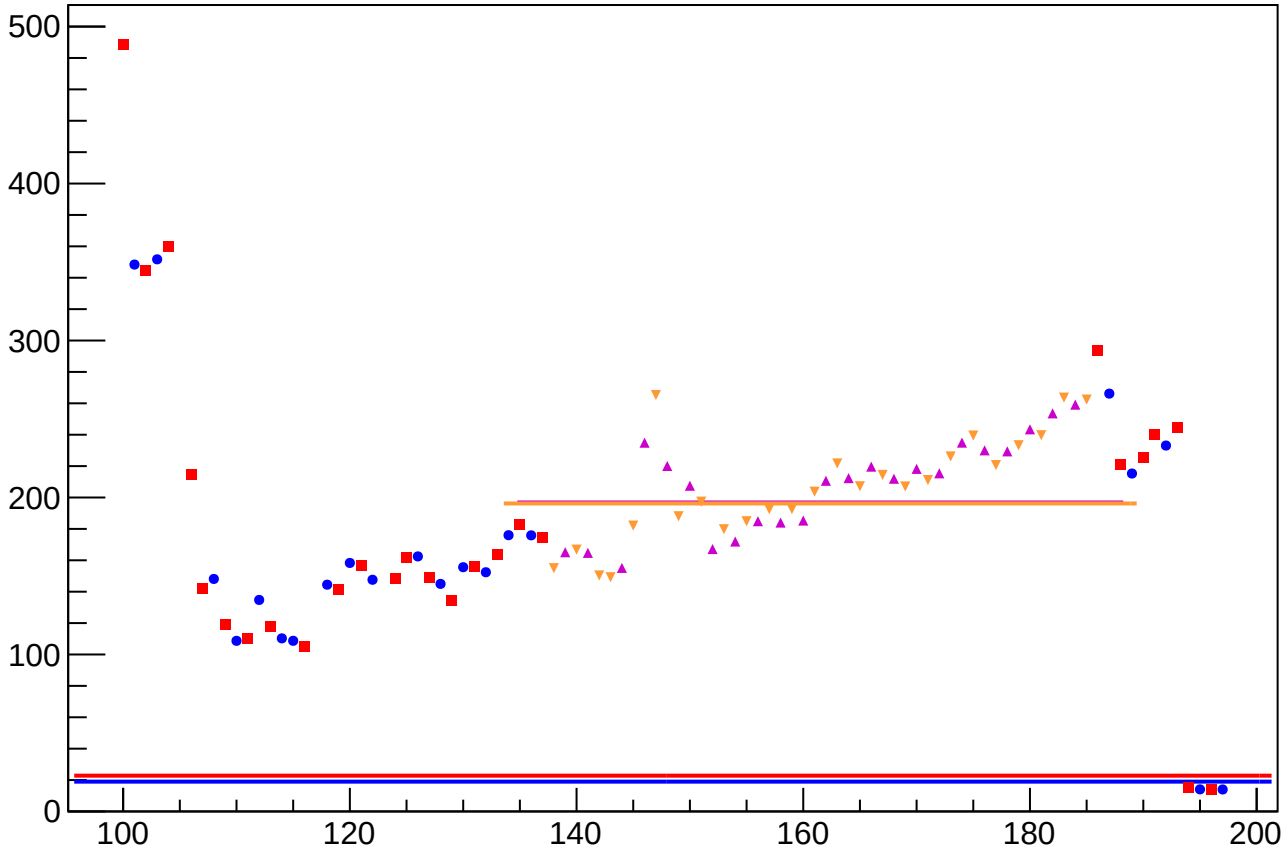
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 12945.529+/-0.010 χ^2/NDF: 117294561398

All: 15197.990+/-0.008 χ^2/NDF: 233930629

- sign 18475.500+/-0.012 χ^2/NDF: 1154526558854

yield_bpm0l06WS_rms vs Slug



Right In: 18.995+/-0.007 χ^2/NDF: 14093322.5/20

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

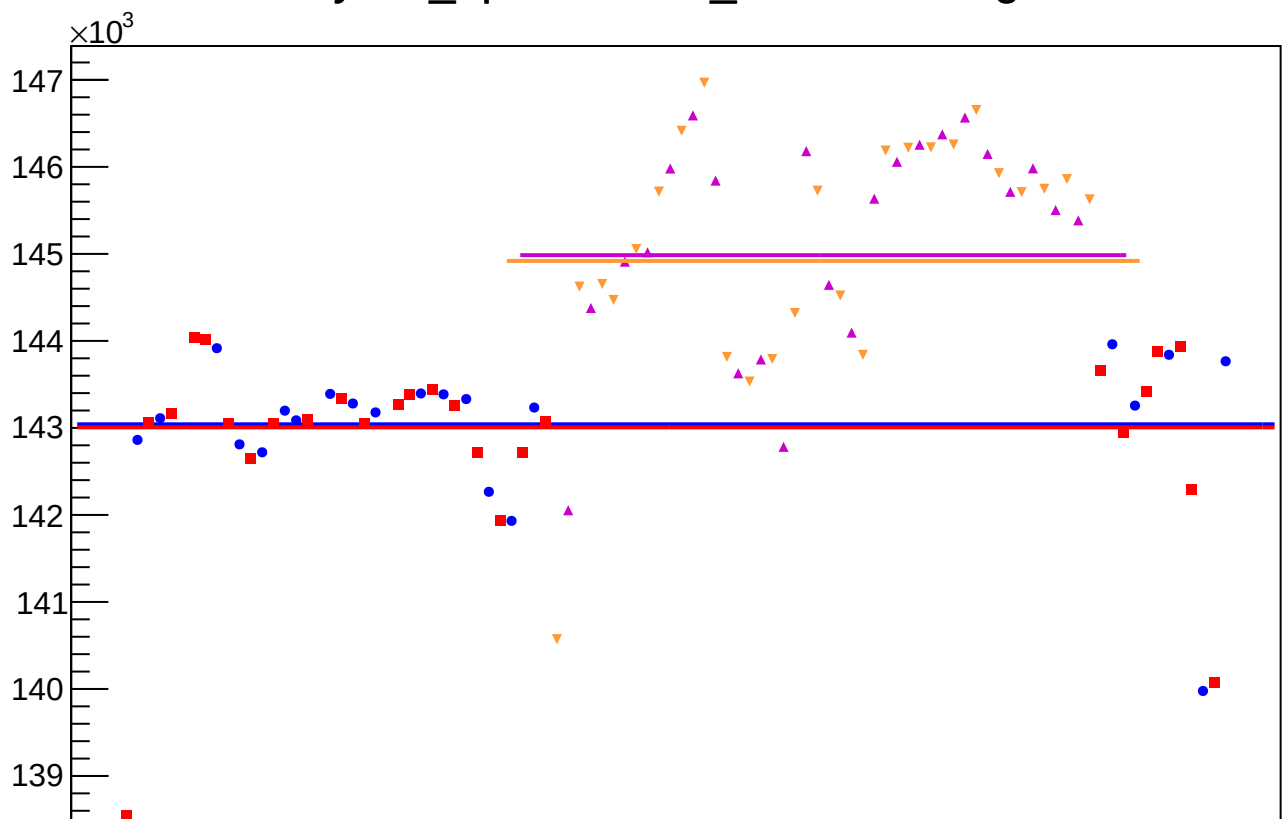
Right Out: 22.804+/-0.009 χ^2/NDF: 15747776.2/25

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 28.008+/-0.007 χ^2/NDF: 43821153.5/45

All: 30.825+/-0.006 χ^2/NDF: 86337704.9/94

- sign 34.923+/-0.009 χ^2/NDF: 42146479.6/48



Right In: 143041.395+/-0.061 χ^2/NDF: 147180247.4/20

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143006.666+/-0.056 χ^2/NDF: 133547657.2/25

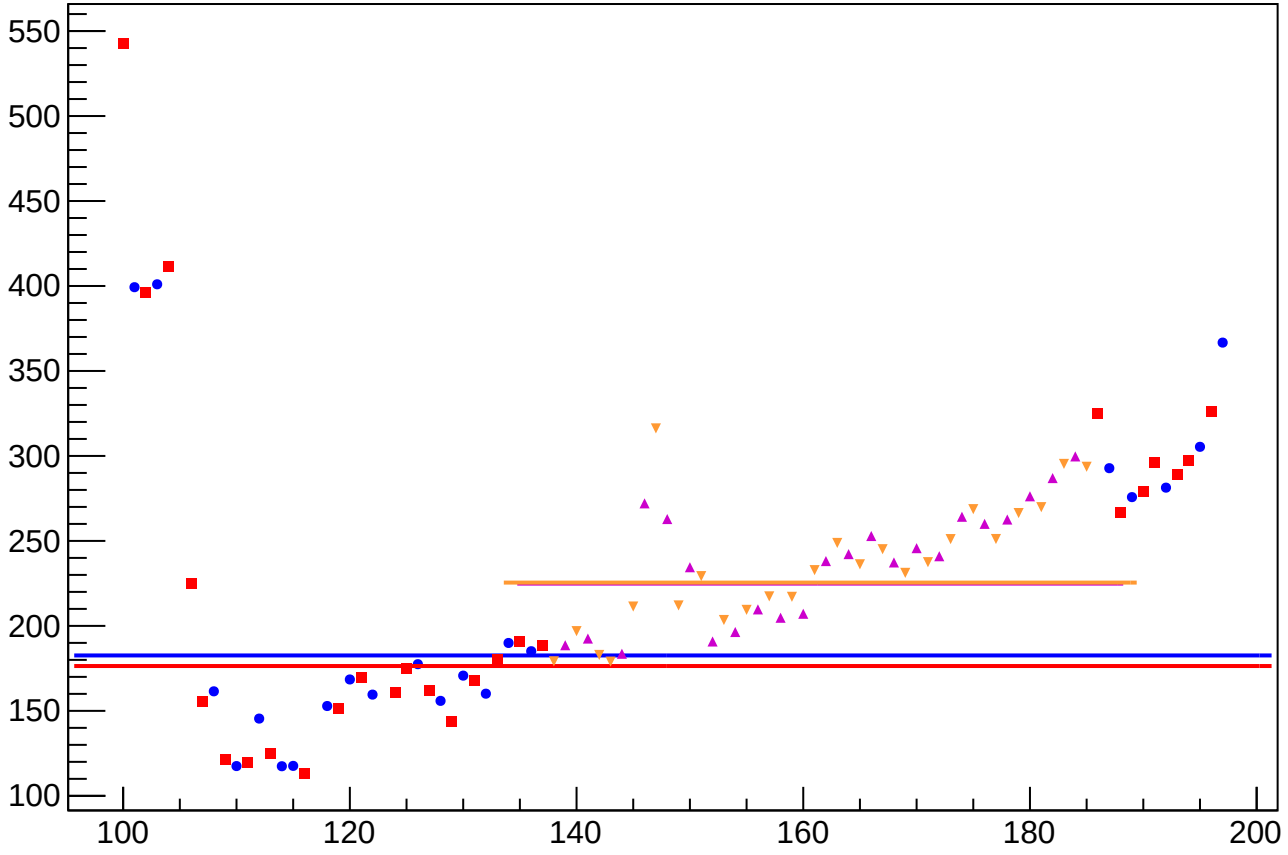
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144118.197+/-0.040 χ^2/NDF: 1534293725.0

All: 144074.994+/-0.028 χ^2/NDF: 29451432

- sign 144033.842+/-0.039 χ^2/NDF: 1408519525.3/

yield_bpm0l07WS_rms vs Slug



Right In: 182.609+/-0.043 χ^2/NDF: 2395521.3/20

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 176.382+/-0.039 χ^2/NDF: 3049718.4/25

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 207.188+/-0.028 χ^2/NDF: 3745715.1/45

All: 204.300+/-0.020 χ^2/NDF: 8327920.1/94

- sign 201.549+/-0.027 χ^2/NDF: 4561381.2/48

Right In: 241.998+/-0.006 χ^2/NDF: 5328821342925.8/20

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 1731.220+/-0.008 χ^2/NDF: 6341070675640.7/25

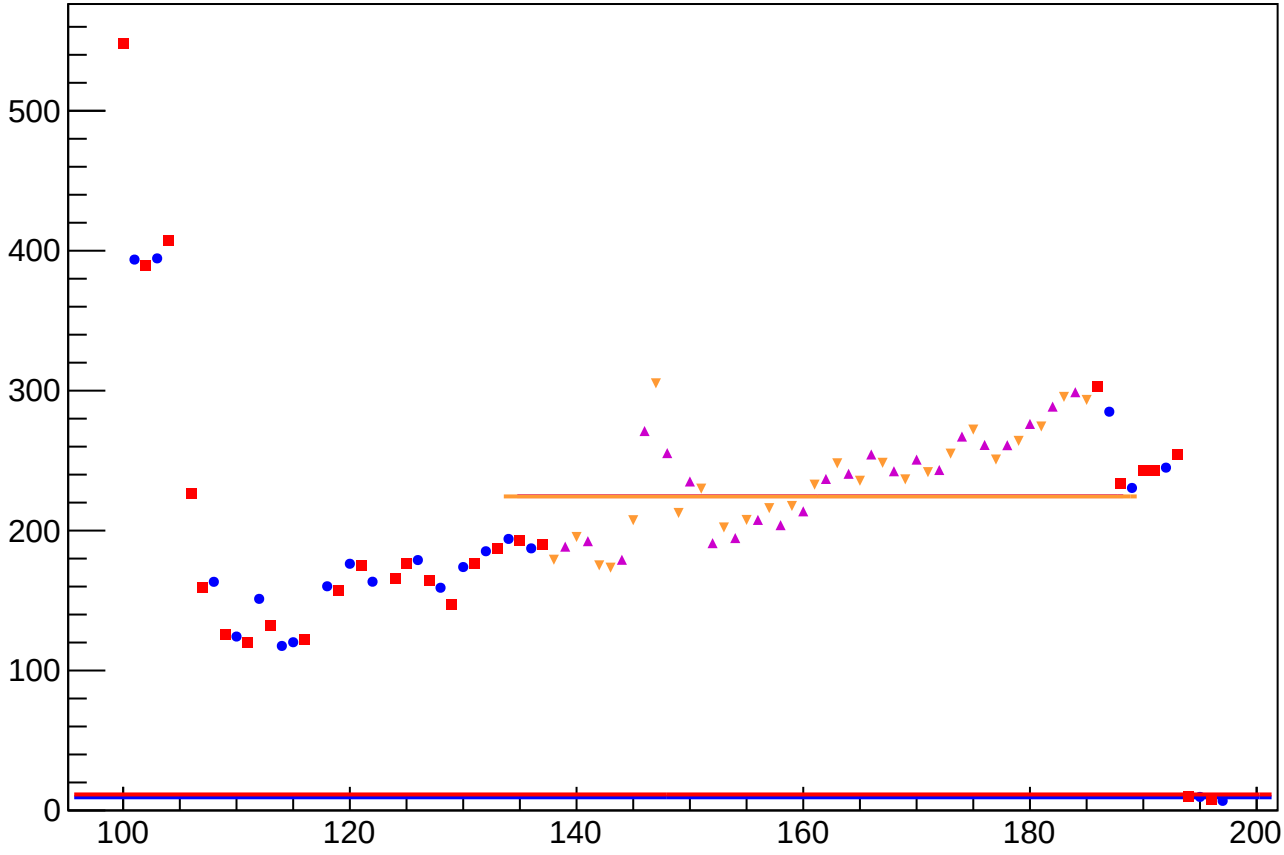
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 2204.438+/-0.006 χ^2/NDF: 13082542154892

All: 3170.558+/-0.005 χ^2/NDF: 2660001319

- sign 4777.166+/-0.008 χ^2/NDF: 13449203333329

yield_bpm0l08WS_rms vs Slug



Right In: 9.410+/-0.004 χ^2/NDF: 15789573.0/20

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

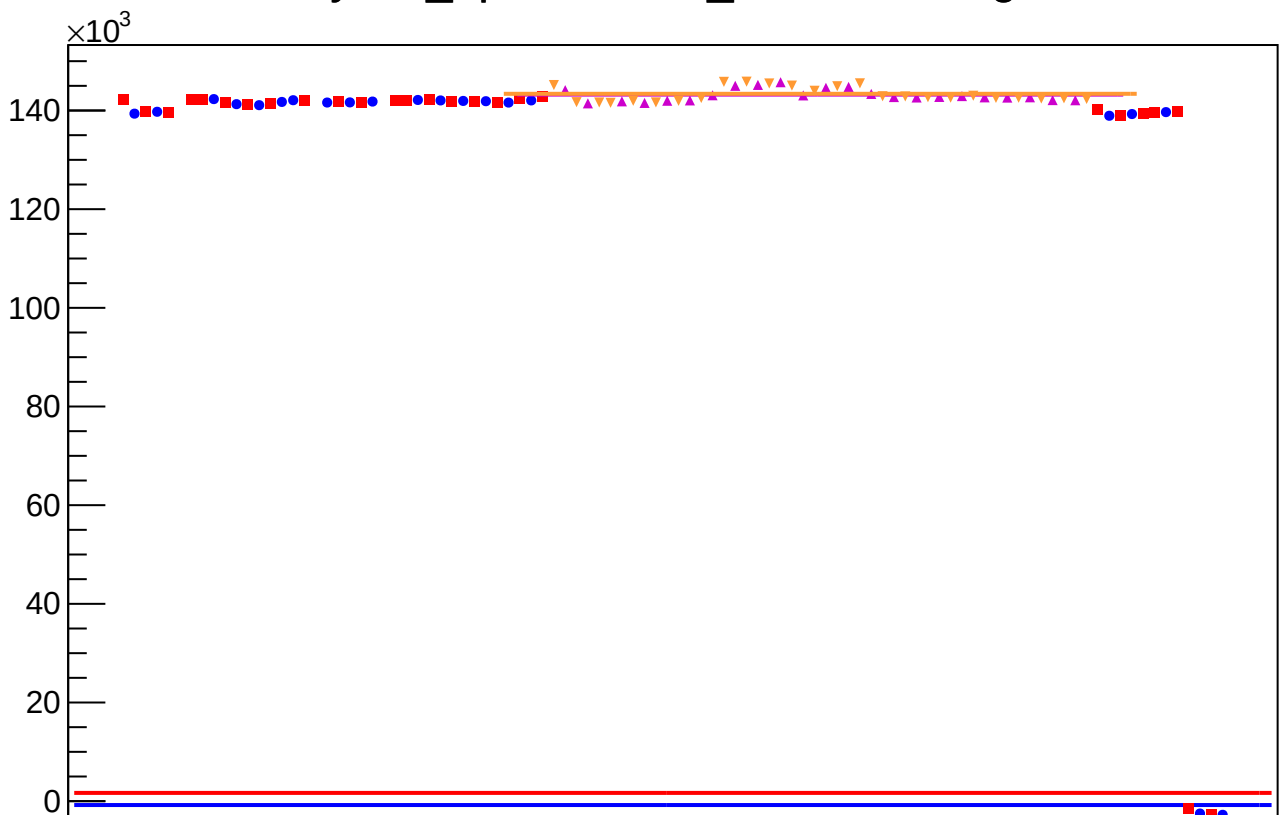
Right Out: 11.436+/-0.006 χ^2/NDF: 17777362.2/25

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 12.303+/-0.004 χ^2/NDF: 50355617.3/45

All: 13.668+/-0.003 χ^2/NDF: 100186769.6/94

- sign 15.936+/-0.006 χ^2/NDF: 49558897.2/48



Right In: -783.590+/-0.007 χ^2/NDF: 4902550032028.9/20

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: 1675.602+/-0.010 χ^2/NDF: 5657233434594.7/25

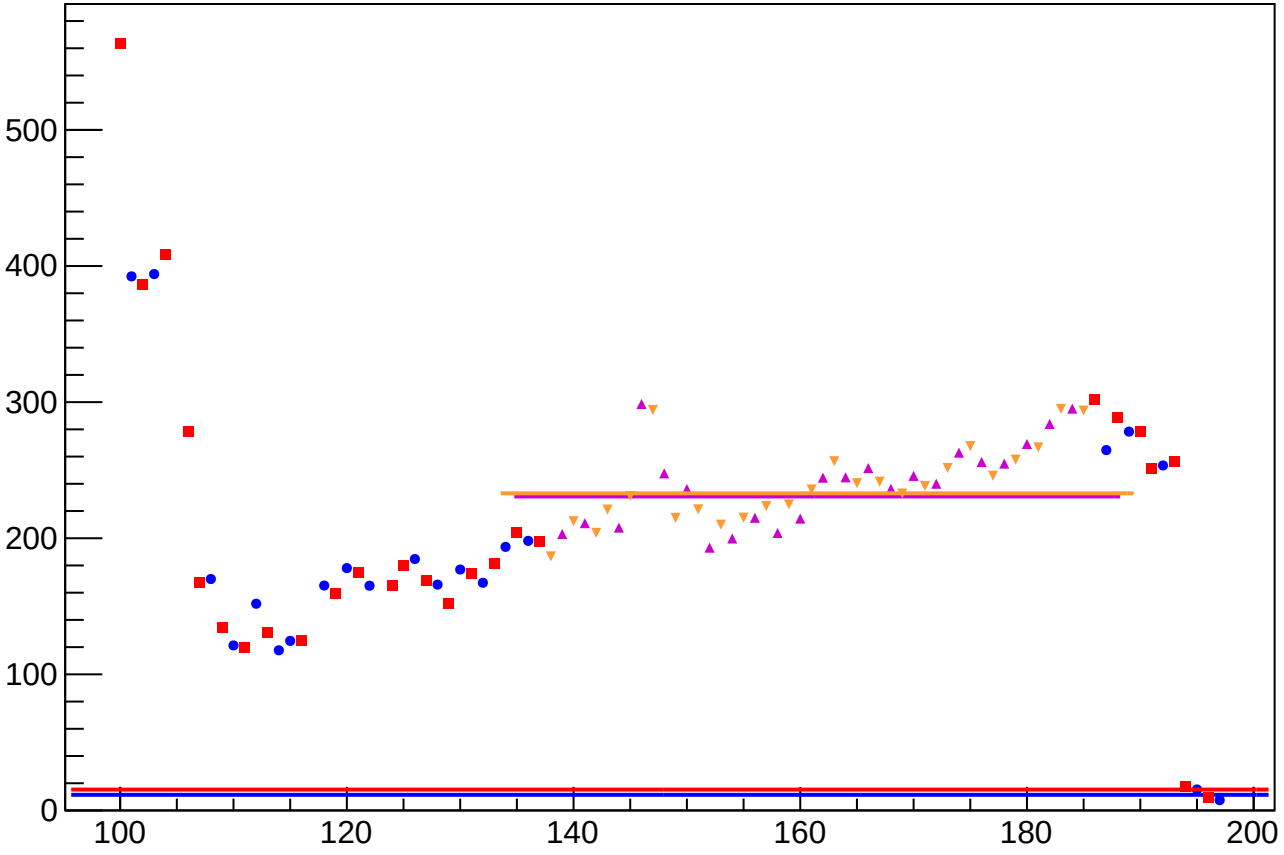
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 1958.895+/-0.007 χ^2/NDF: 1197826645027

All: 3528.525+/-0.006 χ^2/NDF: 2420514541

- sign 6403.618+/-0.010 χ^2/NDF: 12099621226042

yield_bpm0l09WS_rms vs Slug



Right In: 11.508+/-0.005 χ^2/NDF: 15757891.0/20

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

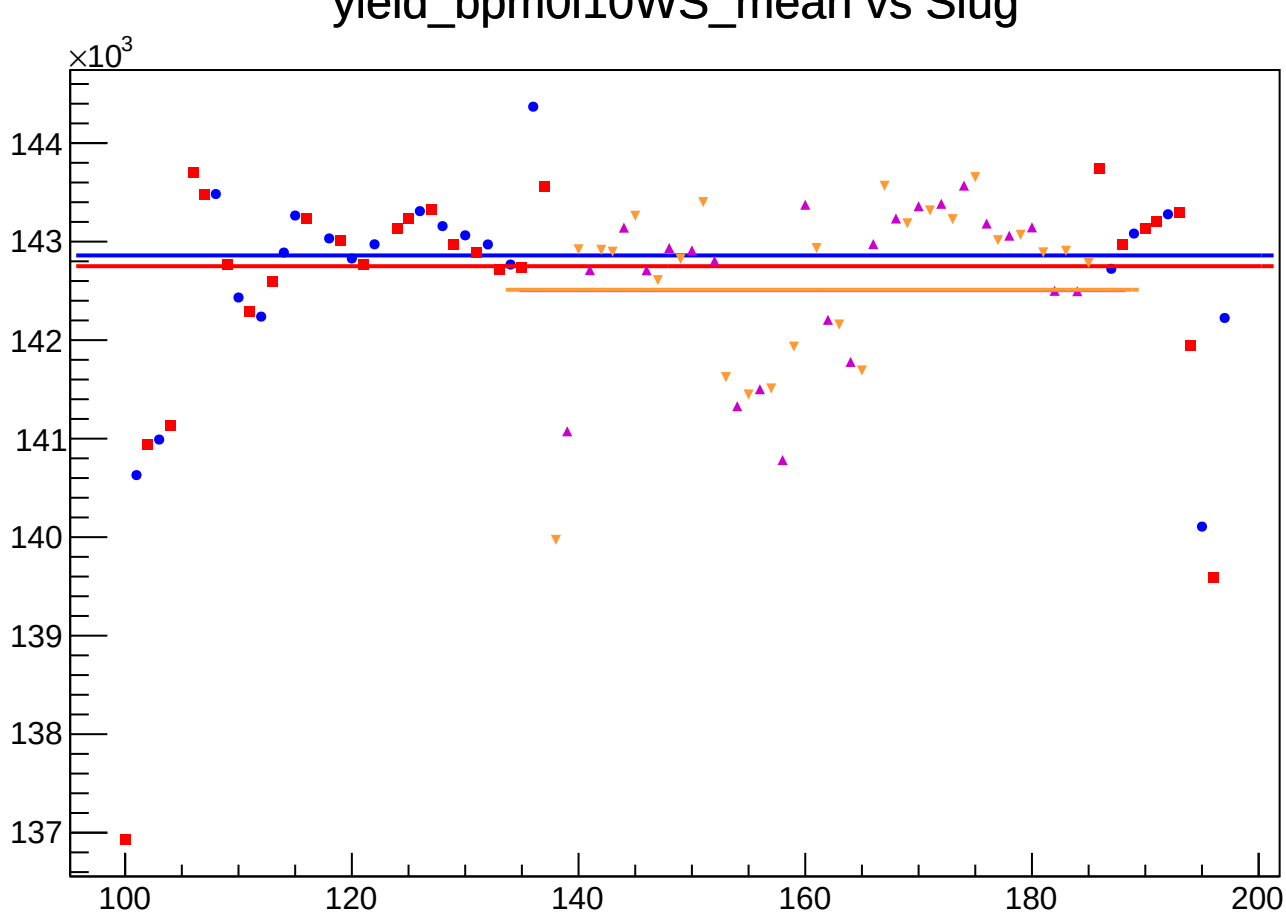
Right Out: 15.334+/-0.007 χ^2/NDF: 17346531.4/25

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 15.721+/-0.005 χ^2/NDF: 49603695.3/45

All: 18.125+/-0.004 χ^2/NDF: 97883320.7/94

- sign 22.527+/-0.007 χ^2/NDF: 47682913.1/48



Right In: 142859.728+/-0.063 χ^2/NDF: 198465809.5/20

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142750.450+/-0.058 χ^2/NDF: 159165763.0/25

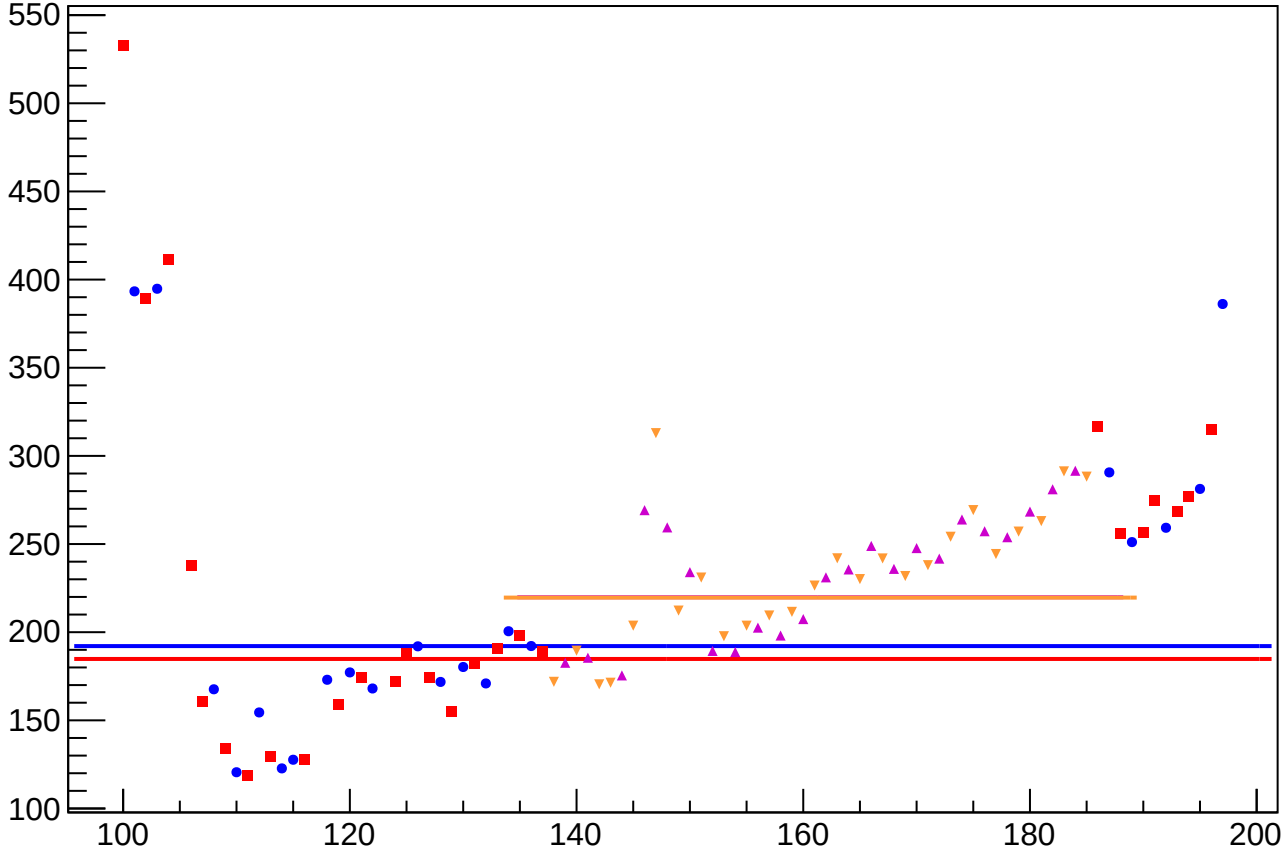
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142648.515+/-0.040 χ^2/NDF: 554991397.6/4

All: 142632.645+/-0.028 χ^2/NDF: 99346371

- sign 142617.456+/-0.039 χ^2/NDF: 438158545.8/4

yield_bpm0l10WS_rms vs Slug



Right In: 192.118+/-0.045 χ^2/NDF: 1990789.6/20

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

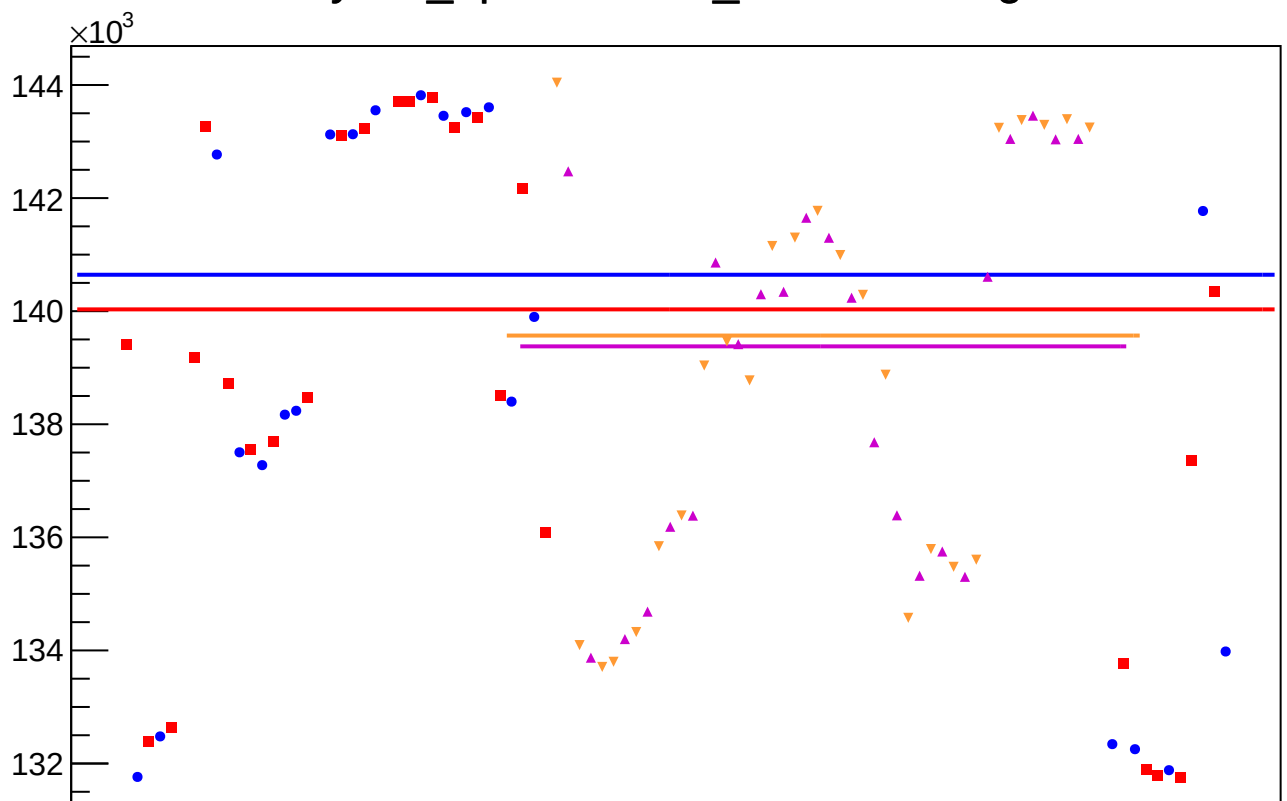
Right Out: 184.816+/-0.041 χ^2/NDF: 2511046.4/25

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 208.792+/-0.028 χ^2/NDF: 3122646.2/45

All: 206.333+/-0.020 χ^2/NDF: 6857884.7/94

- sign 203.979+/-0.027 χ^2/NDF: 3720170.7/48



Right In: 140644.192+/-0.090 χ^2/NDF: 1867010803.8/20

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 140031.720+/-0.089 χ^2/NDF: 2035434242.9/25

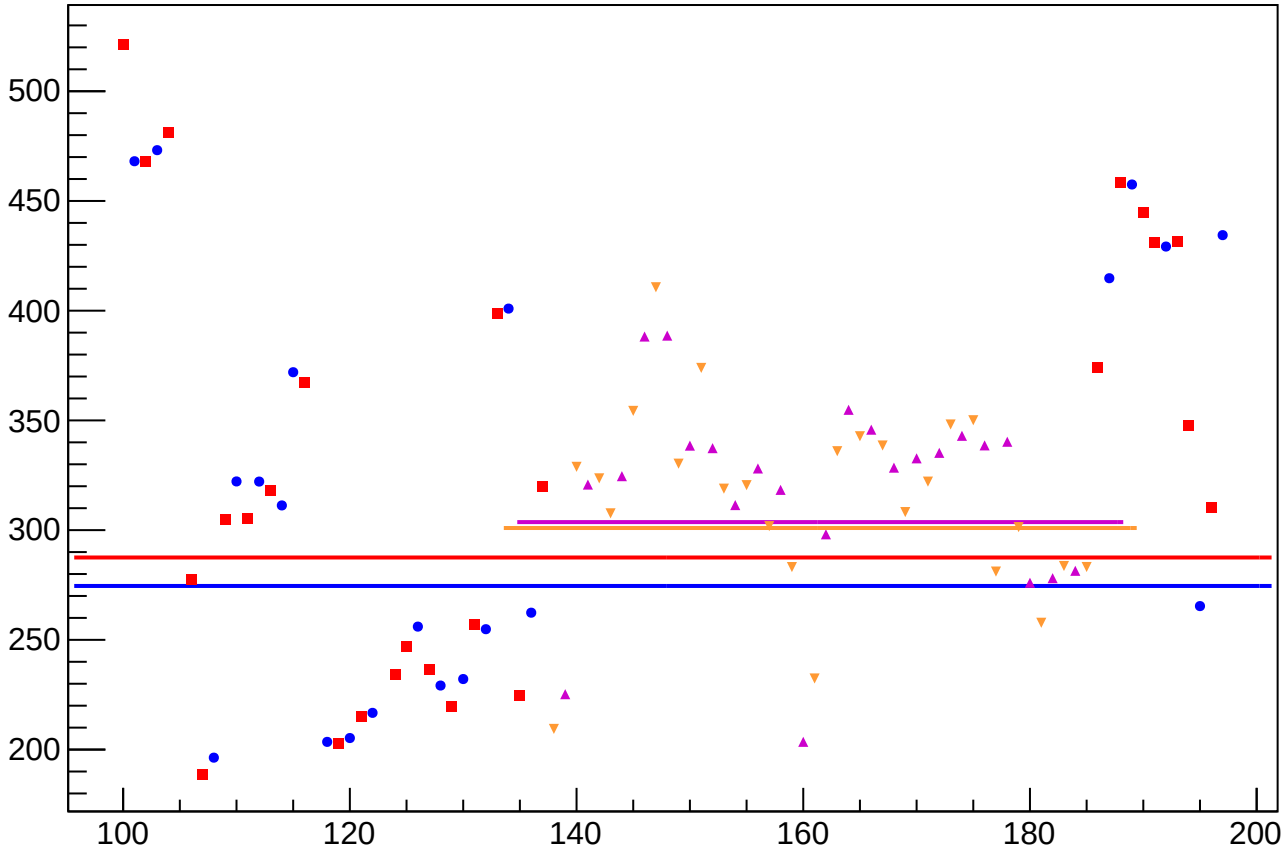
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139973.944+/-0.055 χ^2/NDF: 4542515326.7

All: 139810.886+/-0.039 χ^2/NDF: 85495603

- sign 139641.490+/-0.056 χ^2/NDF: 3989306802.2/

yield_bpm0r03WS_rms vs Slug



Right In: 274.559+/-0.064 χ^2/NDF: 1688188.7/20

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

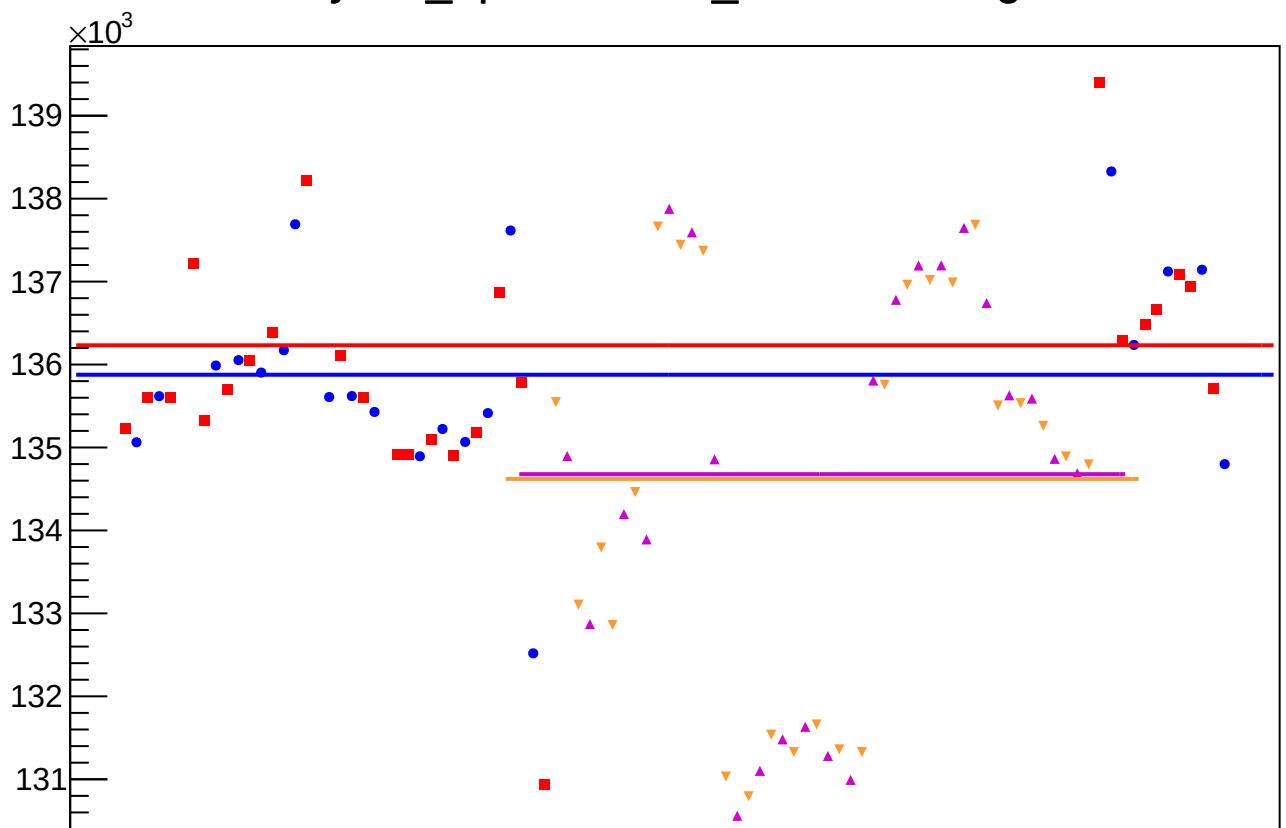
Right Out: 287.531+/-0.063 χ^2/NDF: 1808723.8/25

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 291.015+/-0.039 χ^2/NDF: 2672222.0/45

All: 294.025+/-0.028 χ^2/NDF: 5508719.9/94

- sign 297.152+/-0.040 χ^2/NDF: 2824411.2/48



Right In: 135877.133+/-0.094 χ^2/NDF: 161820908.8/20

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136232.128+/-0.084 χ^2/NDF: 154713789.7/25

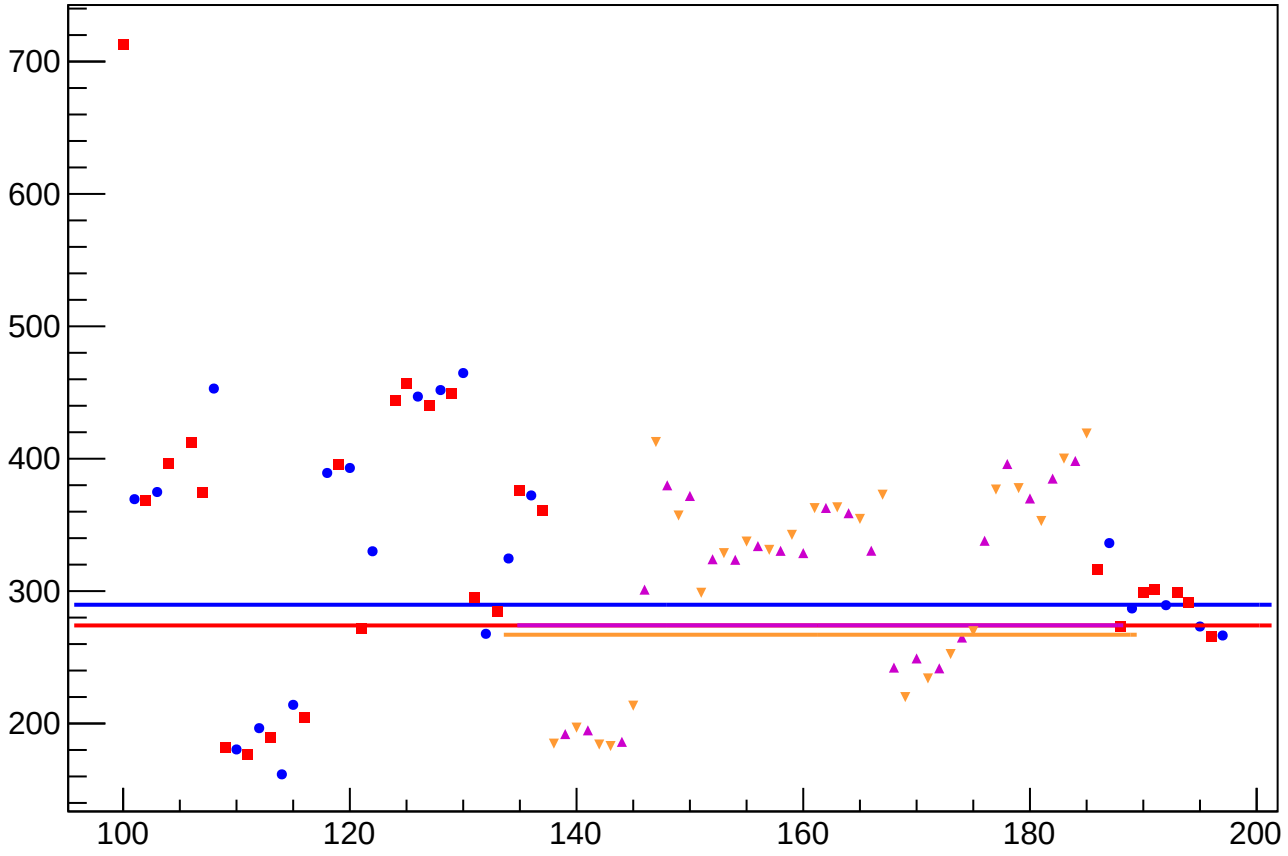
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 135019.472+/-0.053 χ^2/NDF: 1486535088.5

All: 135151.583+/-0.037 χ^2/NDF: 29595475

- sign 135281.950+/-0.052 χ^2/NDF: 1460509969.3/

yield_bpm0r05WS_rms vs Slug



Right In: 289.695+/-0.066 χ^2/NDF: 1473372.0/20

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

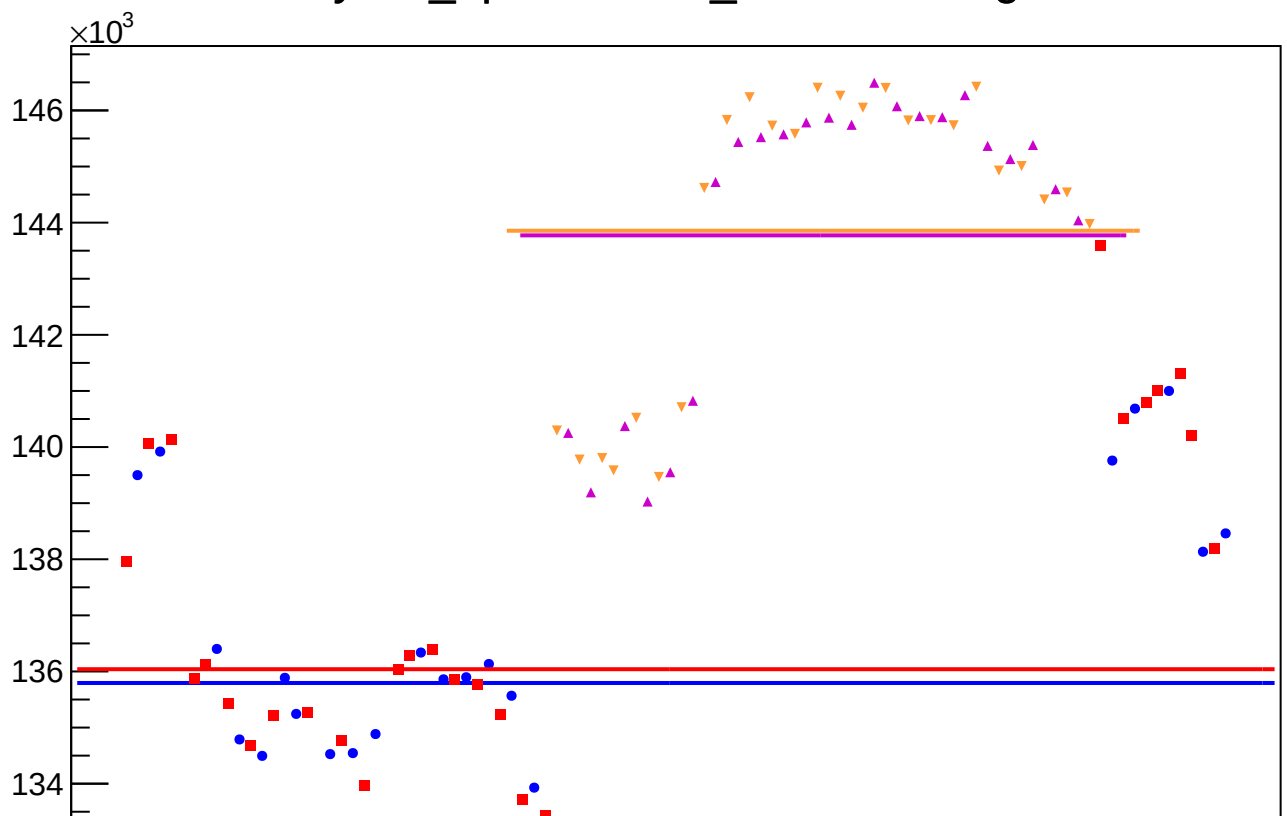
Right Out: 274.062+/-0.059 χ^2/NDF: 1728702.3/25

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 274.236+/-0.037 χ^2/NDF: 4396744.6/45

All: 274.184+/-0.026 χ^2/NDF: 8362208.3/94

- sign 274.132+/-0.037 χ^2/NDF: 3965459.8/48



Right In: 135794.922+/-0.051 χ^2/NDF: 1245879681.6/20

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136040.372+/-0.048 χ^2/NDF: 1955804110.8/25

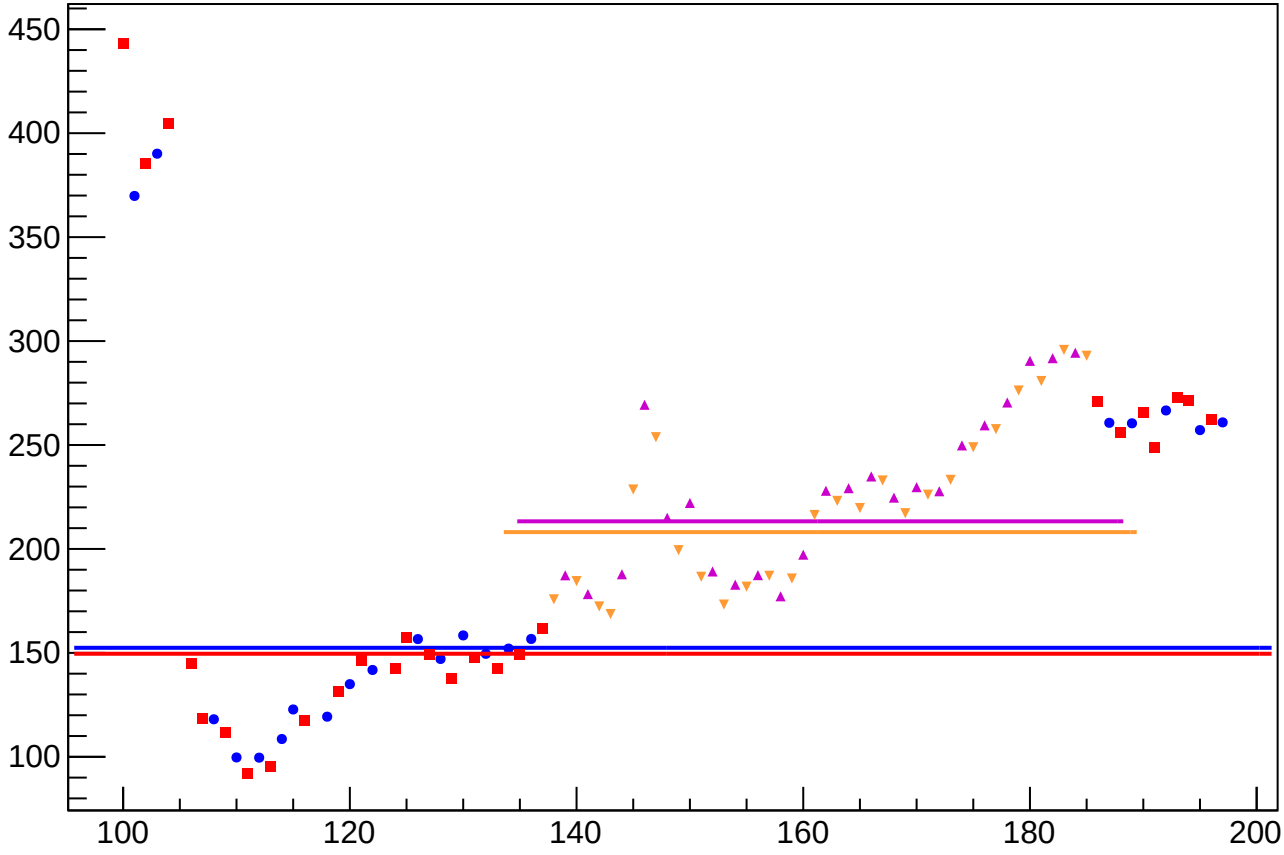
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 140046.691+/-0.035 χ^2/NDF: 17519589549.

All: 139856.362+/-0.025 χ^2/NDF: 34578369

- sign 139668.454+/-0.035 χ^2/NDF: 17000357763.

yield_bpm0i02WS_rms vs Slug



Right In: 152.449+/-0.036 χ^2/NDF: 2736017.4/20

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

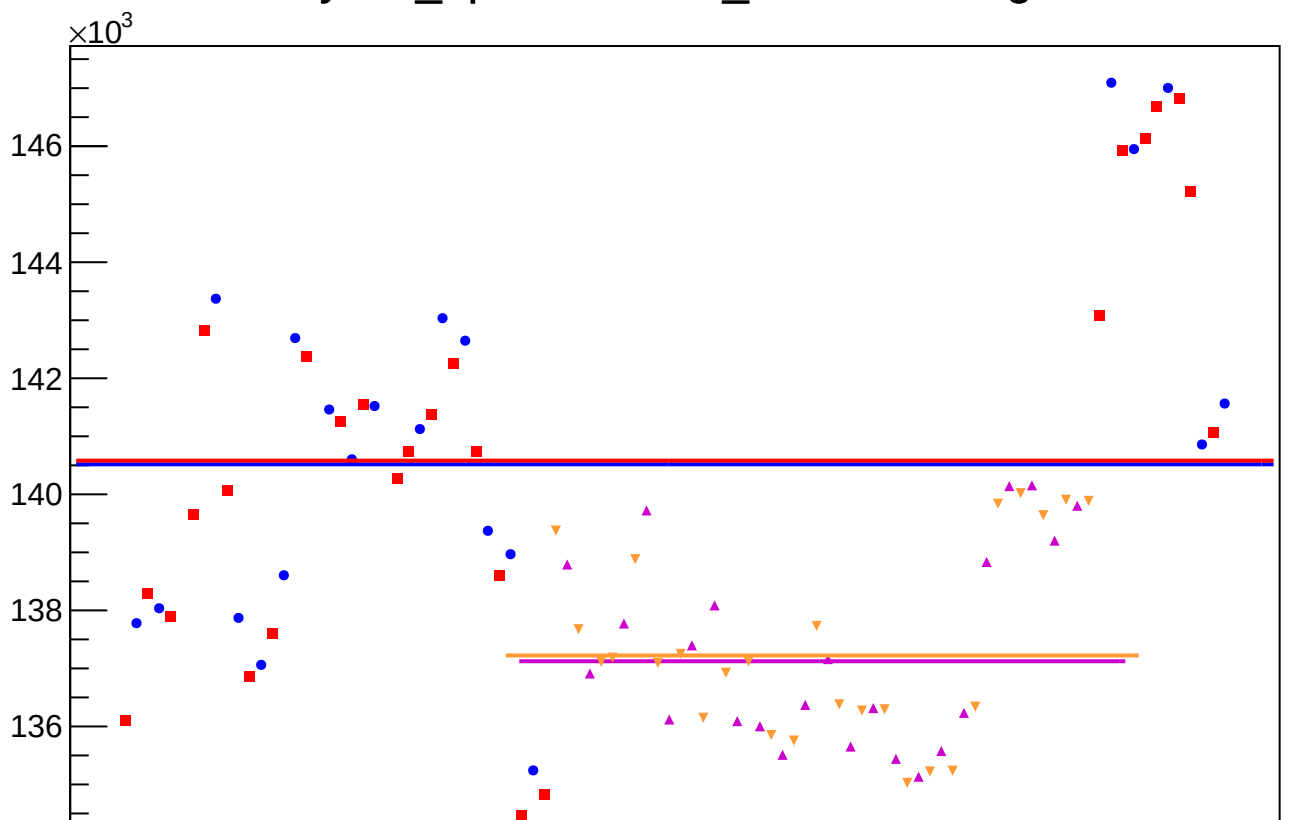
Right Out: 149.582+/-0.034 χ^2/NDF: 3472431.9/25

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 181.802+/-0.025 χ^2/NDF: 4981947.6/45

All: 180.629+/-0.017 χ^2/NDF: 10986009.7/94

- sign 179.472+/-0.025 χ^2/NDF: 5999626.5/48



Right In: 140517.519+/-0.057 χ^2/NDF: 2804705657.9/20

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140581.074+/-0.054 χ^2/NDF: 3237707752.7/25

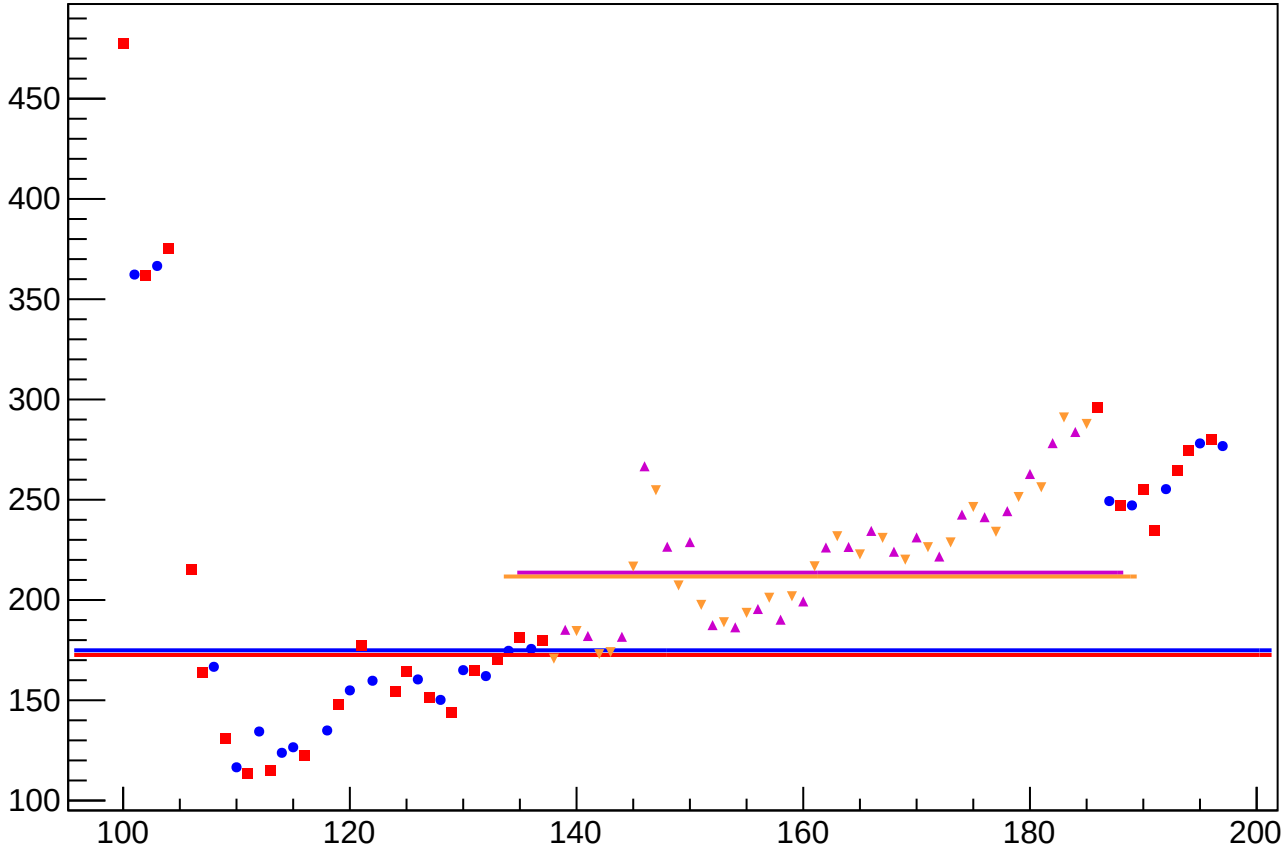
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138614.227+/-0.037 χ^2/NDF: 5603307393.2

All: 138682.778+/-0.026 χ^2/NDF: 11878906

- sign 138750.446+/-0.037 χ^2/NDF: 6268880776.9/

yield_bpm0i02aWS_rms vs Slug



Right In: 174.915+/-0.041 χ^2/NDF: 1941053.6/20

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

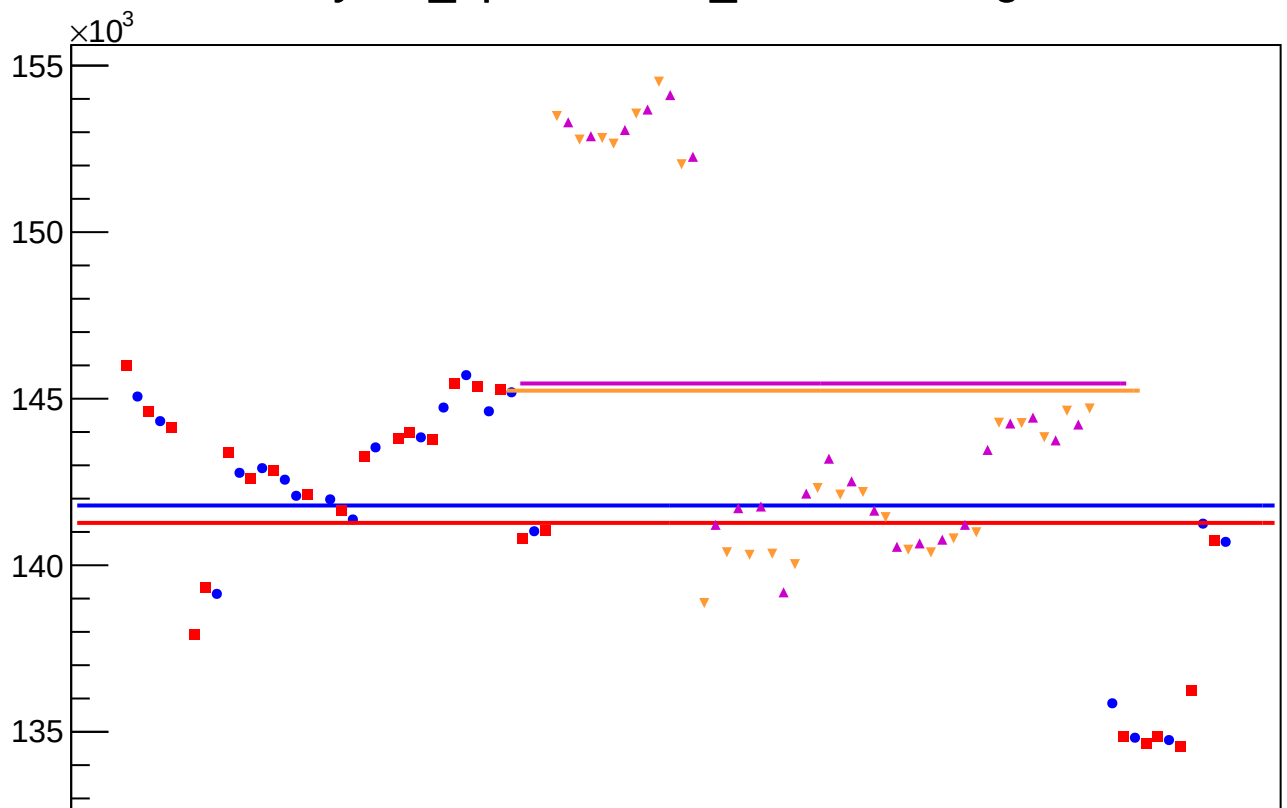
Right Out: 172.589+/-0.038 χ^2/NDF: 2548310.8/25

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 196.178+/-0.026 χ^2/NDF: 3091940.2/45

All: 195.245+/-0.019 χ^2/NDF: 6876050.9/94

- sign 194.324+/-0.026 χ^2/NDF: 3781621.7/48



Right In: 141794.339+/-0.059 χ^2/NDF: 2683129667.9/20

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141272.023+/-0.054 χ^2/NDF: 4361728624.8/25

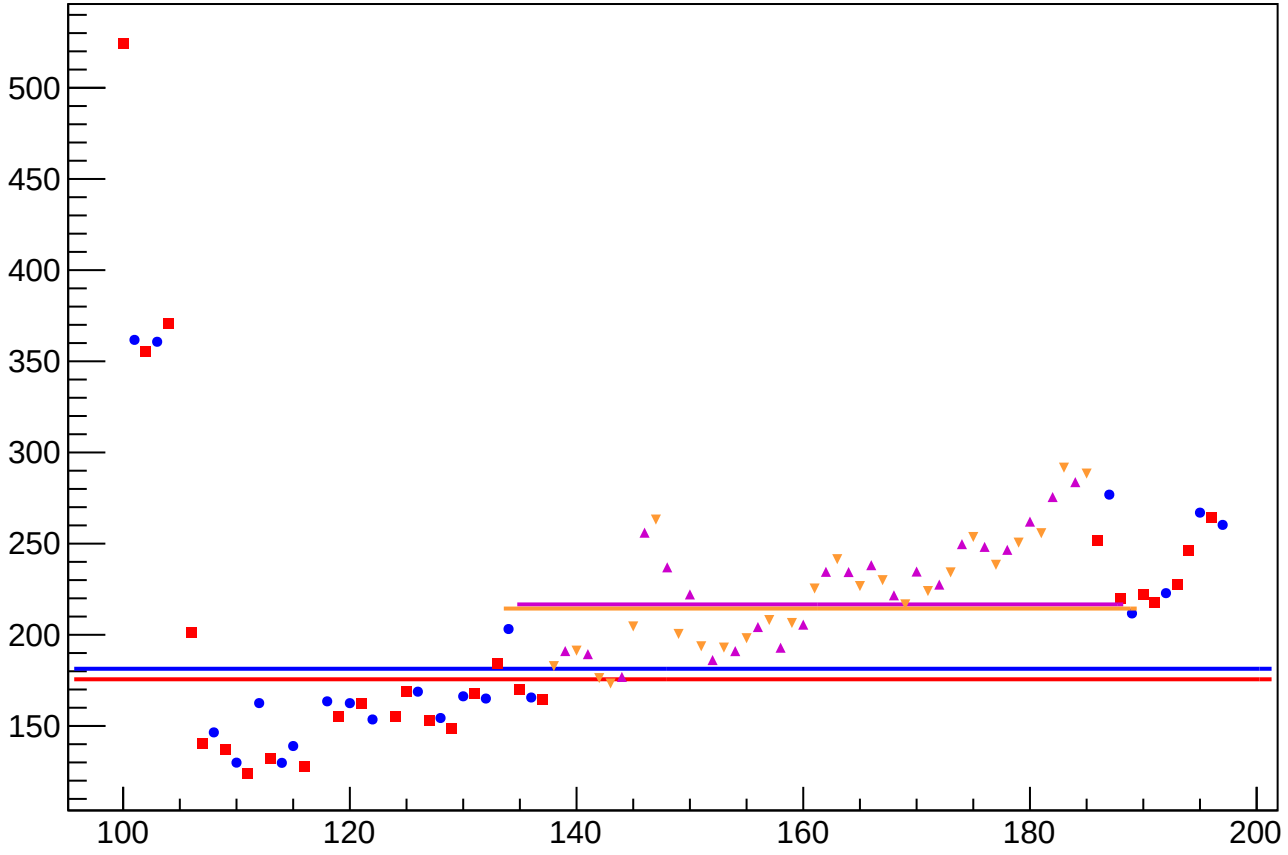
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143806.074+/-0.038 χ^2/NDF: 17727392900.

All: 143630.625+/-0.027 χ^2/NDF: 36343926

- sign 143460.690+/-0.037 χ^2/NDF: 18574352630.

yield_bpm0i05WS_rms vs Slug



Right In: 181.371+/-0.042 χ^2/NDF: 1428576.6/20

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 175.599+/-0.038 χ^2/NDF: 1793371.3/25

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 200.637+/-0.027 χ^2/NDF: 2440868.7/45

All: 198.826+/-0.019 χ^2/NDF: 5434787.3/94

- sign 197.072+/-0.026 χ^2/NDF: 2984929.9/48

Right In: -1379.861+/-0.018 χ^2/NDF: 5530392965395.7/20

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 7662.098+/-0.021 χ^2/NDF: 6333931819673.5/25

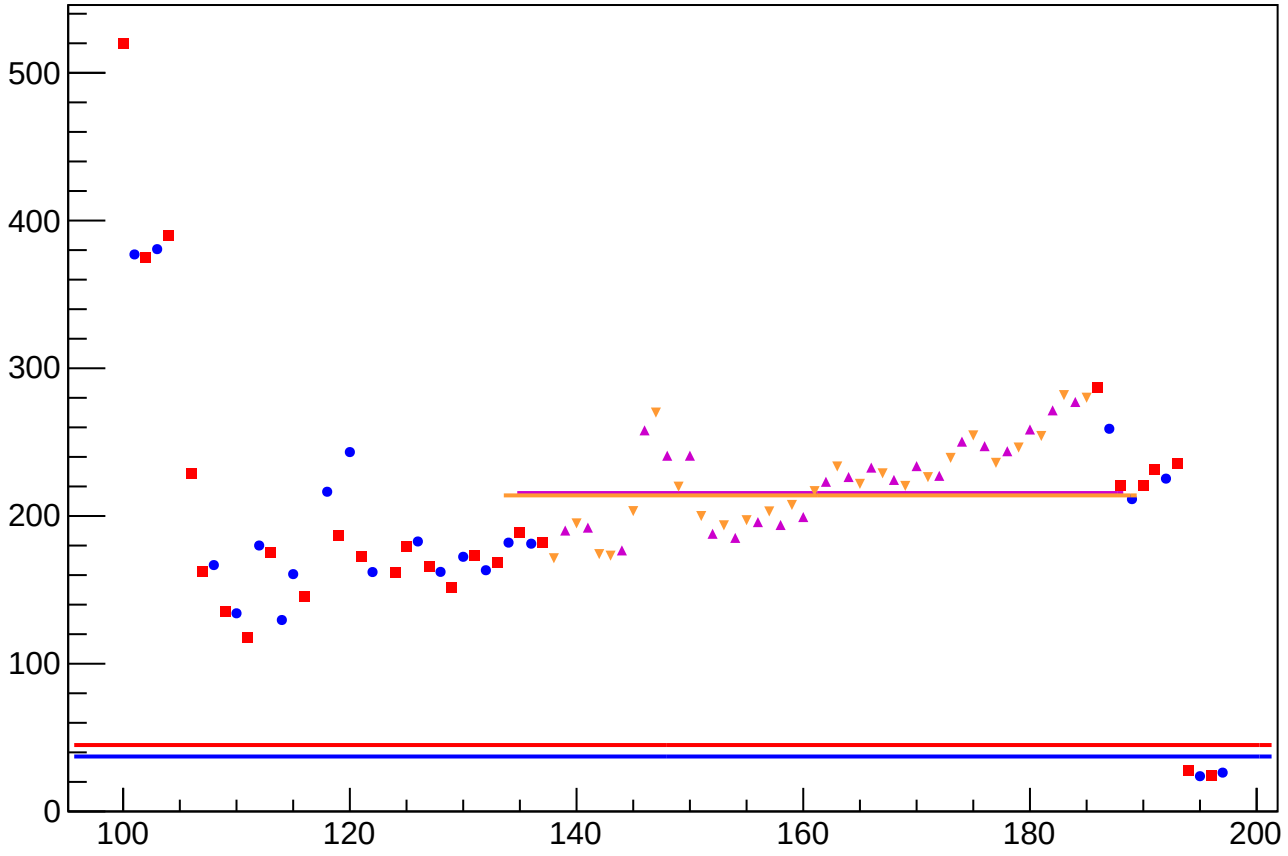
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 16489.860+/-0.017 χ^2/NDF: 132868396293

All: 21539.230+/-0.013 χ^2/NDF: 259476777

- sign 28202.845+/-0.020 χ^2/NDF: 1246184712025

yield_bpm0i07WS_rms vs Slug



Right In: 37.200+/-0.013 χ^2/NDF: 11906908.4/20

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

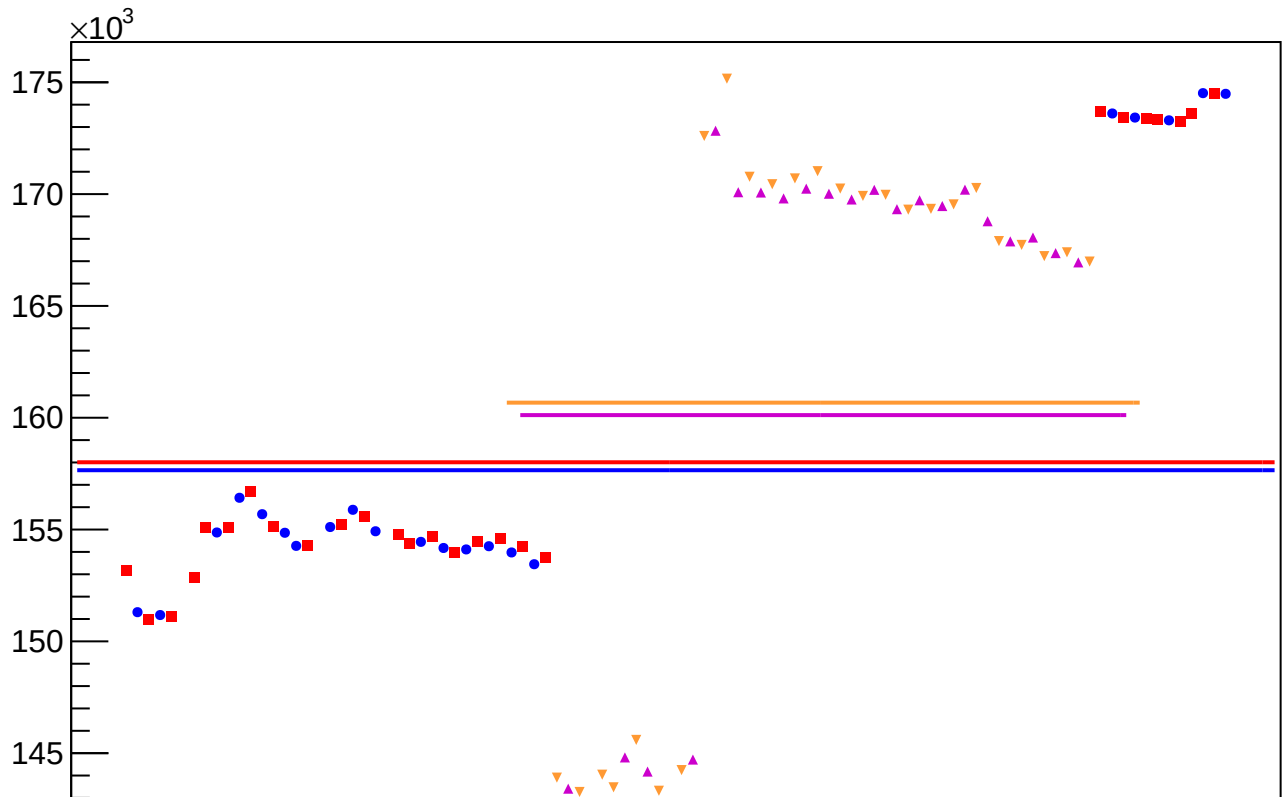
Right Out: 44.958+/-0.015 χ^2/NDF: 12913476.7/25

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 58.737+/-0.012 χ^2/NDF: 35052603.1/45

All: 63.798+/-0.009 χ^2/NDF: 67842018.3/94

- sign 70.477+/-0.014 χ^2/NDF: 32389636.6/48



Right In: 157653.226+/-0.060 χ^2/NDF: 13476483894.6/20

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 158008.539+/-0.056 χ^2/NDF: 16537406835.2/25

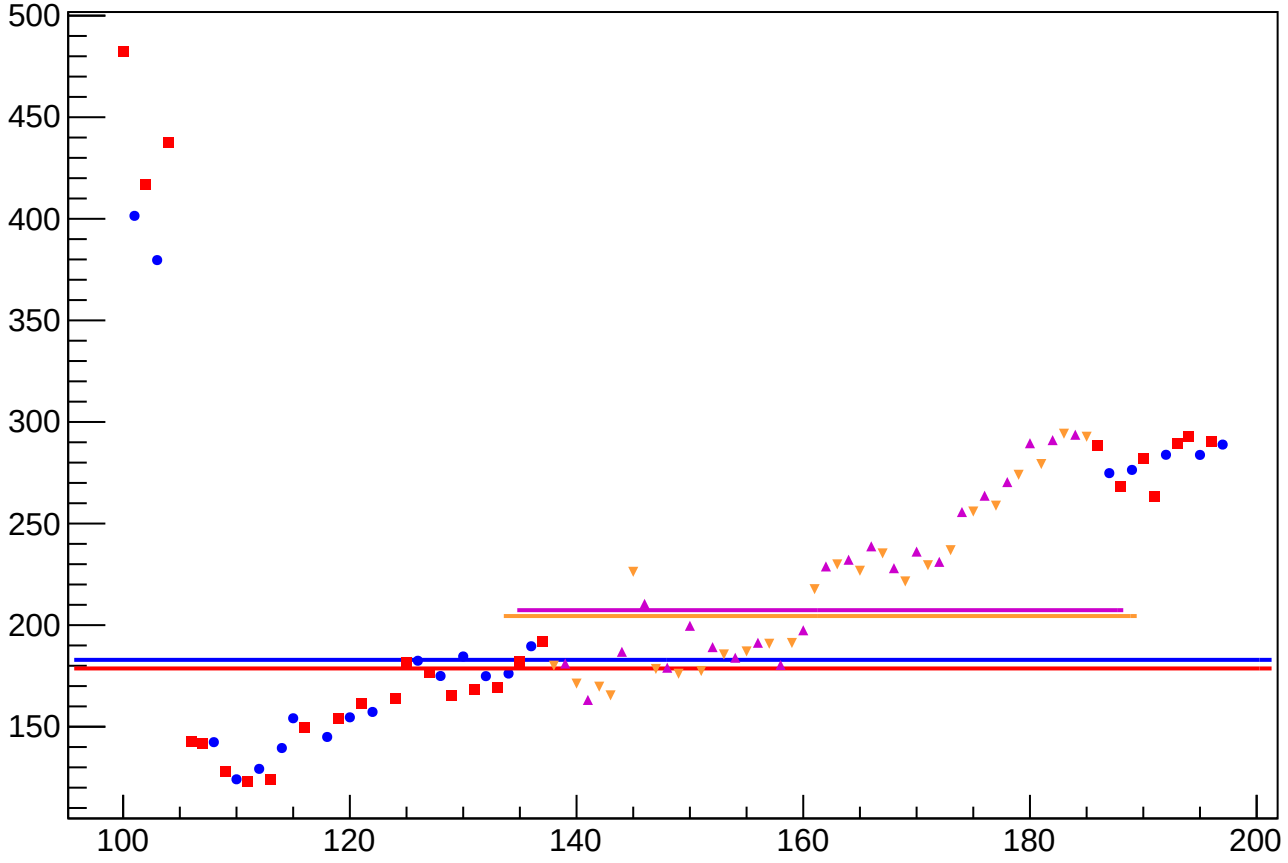
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 159514.726+/-0.037 χ^2/NDF: 89192351362.

All: 159349.877+/-0.026 χ^2/NDF: 17312578

- sign 159187.371+/-0.037 χ^2/NDF: 83894432364.

yield_bpm1i02WS_rms vs Slug



Right In: 182.914+/-0.042 χ^2/NDF: 2077465.6/20

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

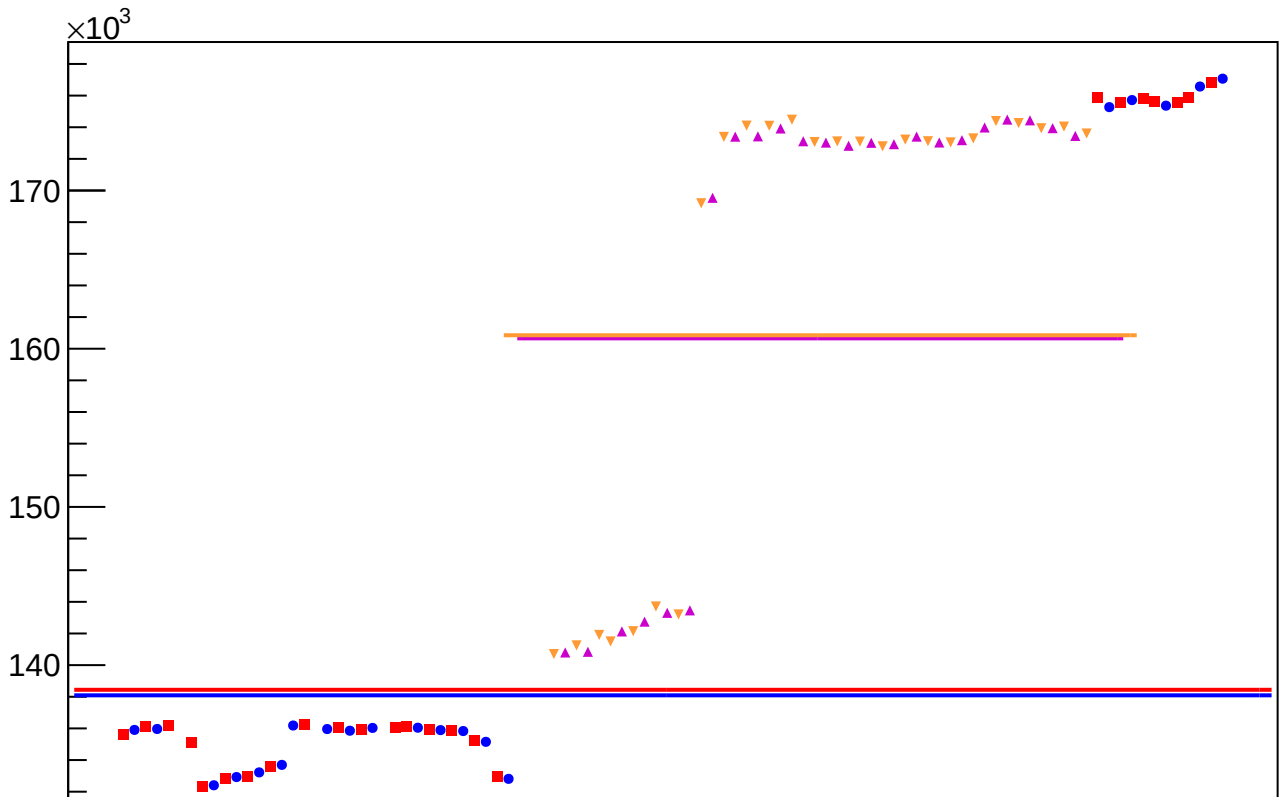
Right Out: 178.678+/-0.039 χ^2/NDF: 2706807.7/25

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 196.198+/-0.026 χ^2/NDF: 3309621.7/45

All: 195.451+/-0.019 χ^2/NDF: 7272211.5/94

- sign 194.715+/-0.026 χ^2/NDF: 3960990.1/48



Right In: 138090.929+/-0.048 χ^2/NDF: 63008910433.2/20

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 138440.832+/-0.045 χ^2/NDF: 78174306001.7/25

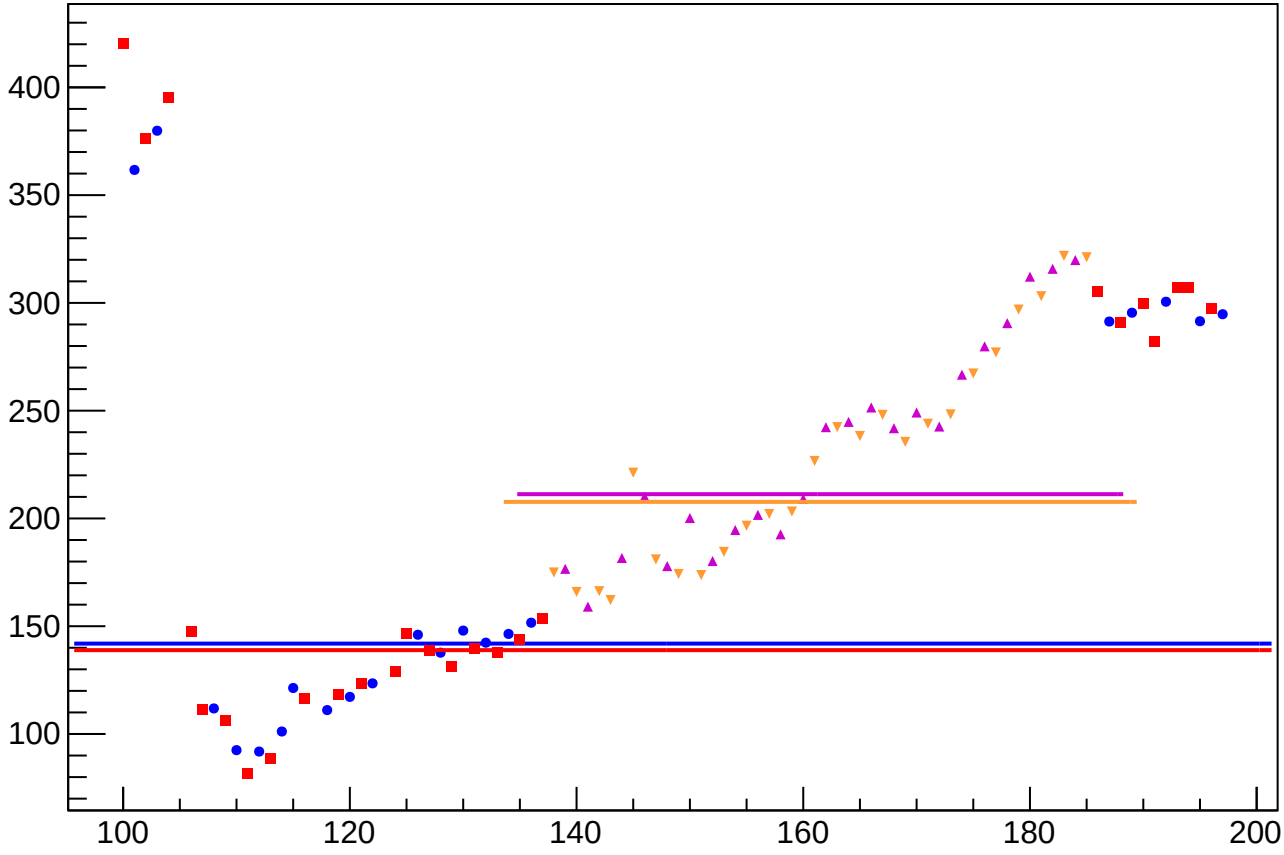
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 149477.055+/-0.034 χ^2/NDF: 27258661925

All: 148912.811+/-0.024 χ^2/NDF: 5480574

- sign 148362.709+/-0.034 χ^2/NDF: 27493497935

yield_bpm1i04WS_rms vs Slug



Right In: 141.933+/-0.034 χ^2/NDF: 3489566.4/20

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

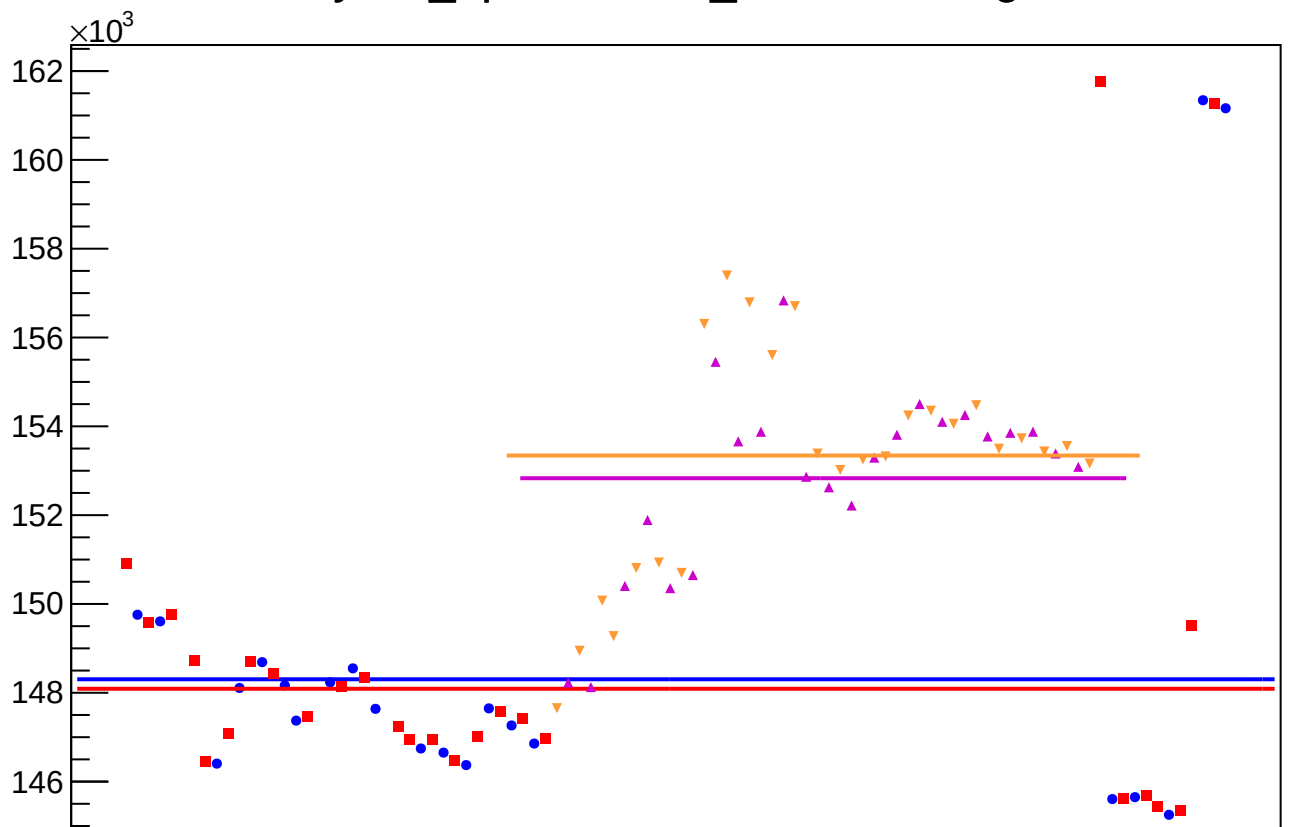
Right Out: 138.900+/-0.032 χ^2/NDF: 4460113.9/25

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 174.829+/-0.024 χ^2/NDF: 6832814.1/45

All: 173.001+/-0.017 χ^2/NDF: 14872112.6/94

- sign 171.218+/-0.024 χ^2/NDF: 8028046.6/48



Right In: 148304.077+/-0.058 χ^2/NDF: 3762143407.0/20

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 148090.409+/-0.054 χ^2/NDF: 2810276293.6/25

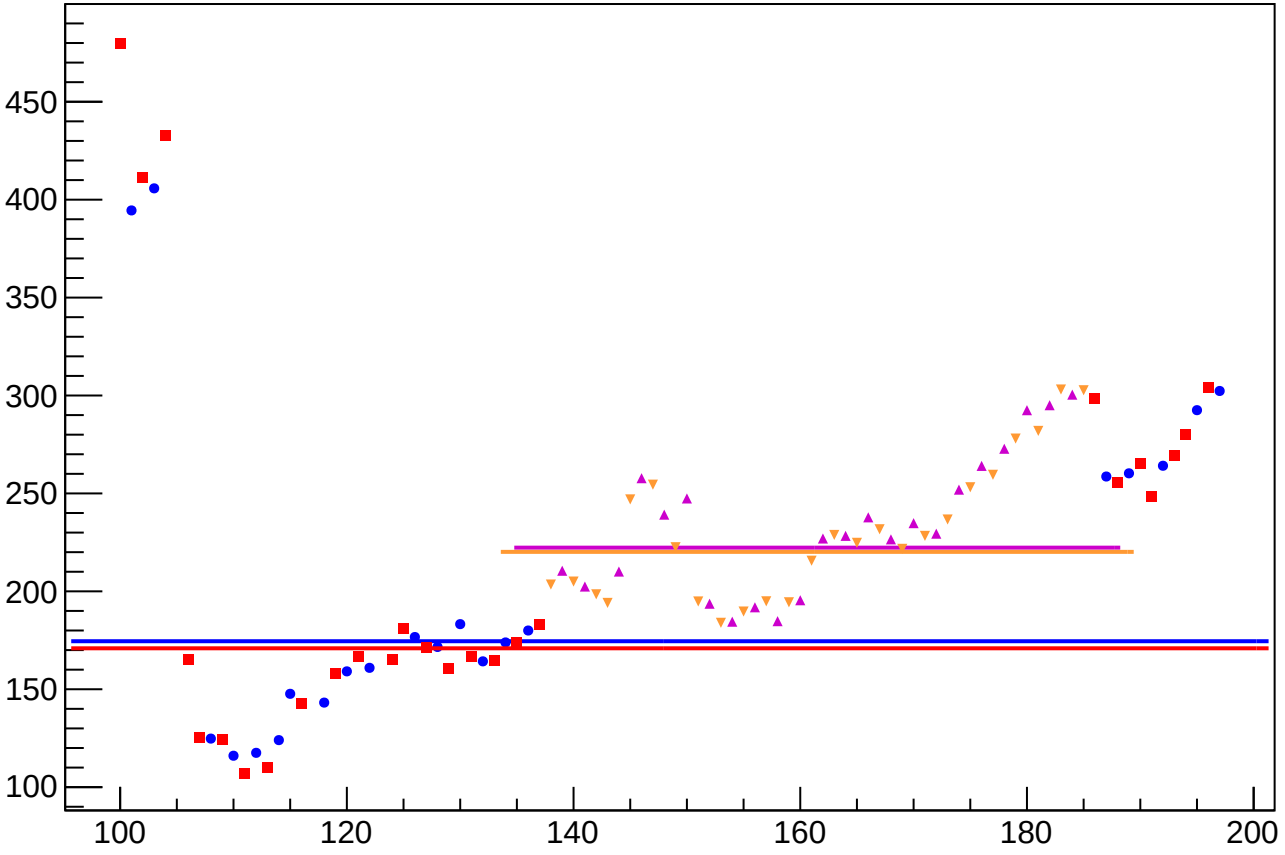
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 151144.149+/-0.038 χ^2/NDF: 11032759711.

All: 150818.840+/-0.027 χ^2/NDF: 19862909

- sign 150501.750+/-0.038 χ^2/NDF: 8686490092.6/

yield_bpm1i06WS_rms vs Slug



Right In: 174.528+/-0.041 χ^2/NDF: 2382202.1/20

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

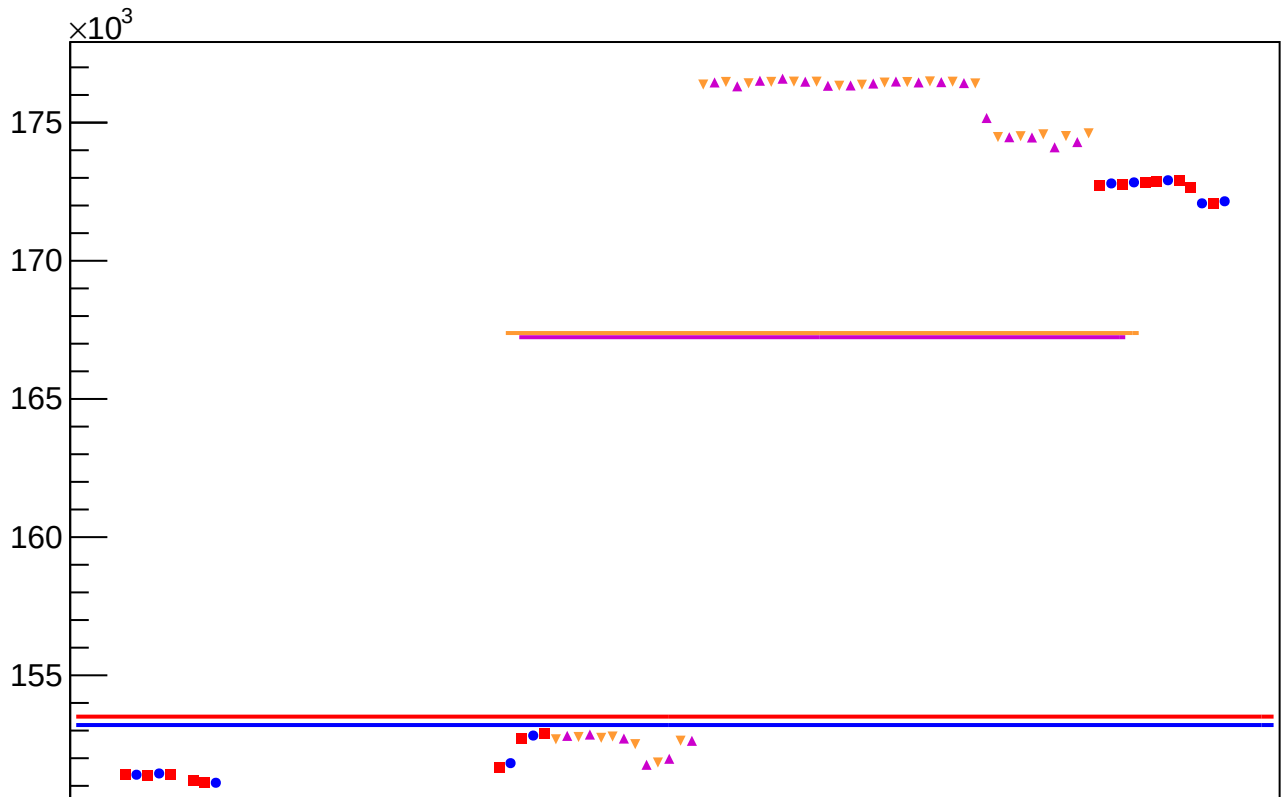
Right Out: 170.909+/-0.038 χ^2/NDF: 2981796.3/25

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 200.248+/-0.027 χ^2/NDF: 3771754.9/45

All: 198.628+/-0.019 χ^2/NDF: 8389449.7/94

- sign 197.050+/-0.027 χ^2/NDF: 4610572.6/48



Right In: 153200.291+/-0.051 χ^2/NDF: 19591718476.5/20

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153505.077+/-0.047 χ^2/NDF: 25220624018.5/25

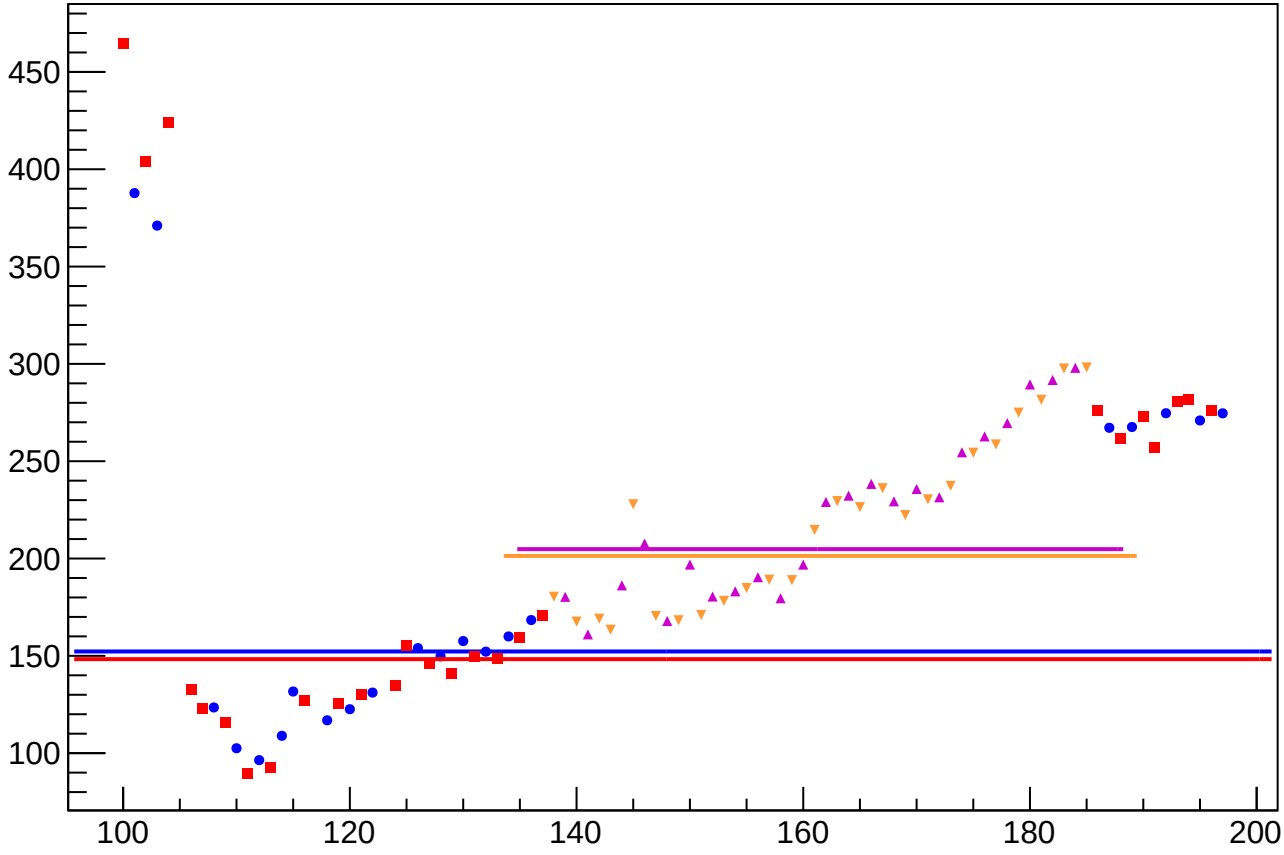
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160942.571+/-0.035 χ^2/NDF: 121042800037

All: 160550.568+/-0.024 χ^2/NDF: 24222949

- sign 160169.314+/-0.034 χ^2/NDF: 120932400750

yield_bpm2i01WS_rms vs Slug



Right In: 152.246+/-0.036 χ^2/NDF: 2910736.5/20

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

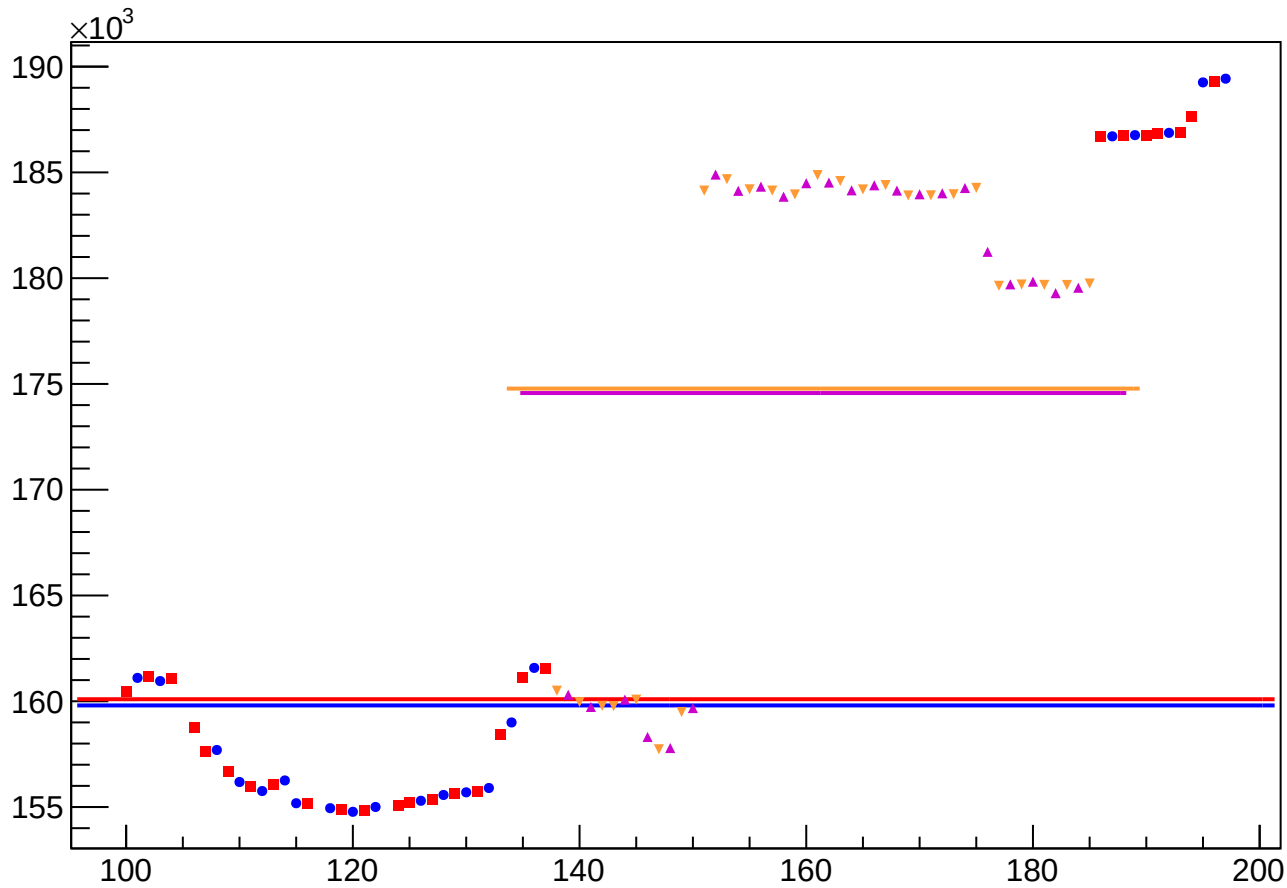
Right Out: 148.308+/-0.034 χ^2/NDF: 3746920.9/25

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 179.035+/-0.024 χ^2/NDF: 5143443.2/45

All: 177.366+/-0.017 χ^2/NDF: 11329234.2/94

- sign 175.742+/-0.024 χ^2/NDF: 6176565.7/48



Right In: 159802.925+/-0.054 χ^2/NDF: 33898612159.6/20

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 160095.896+/-0.050 χ^2/NDF: 40975238178.7/25

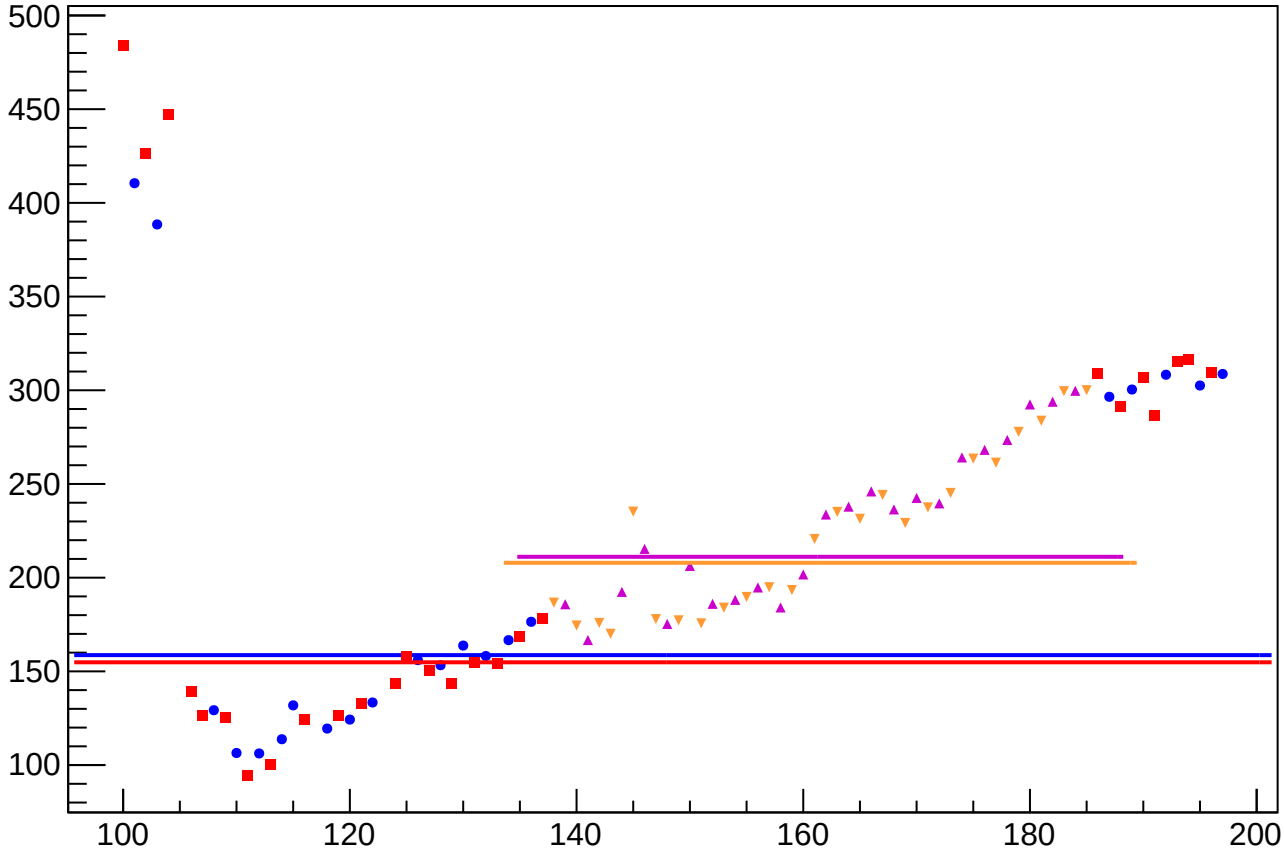
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 168102.831+/-0.036 χ^2/NDF: 135072206637

All: 167681.720+/-0.025 χ^2/NDF: 27277486

- sign 167270.997+/-0.035 χ^2/NDF: 137430636020

yield_bpm2i02WS_rms vs Slug



Right In: 158.667+/-0.038 χ^2/NDF: 3135008.4/20

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 154.839+/-0.035 χ^2/NDF: 4023353.8/25

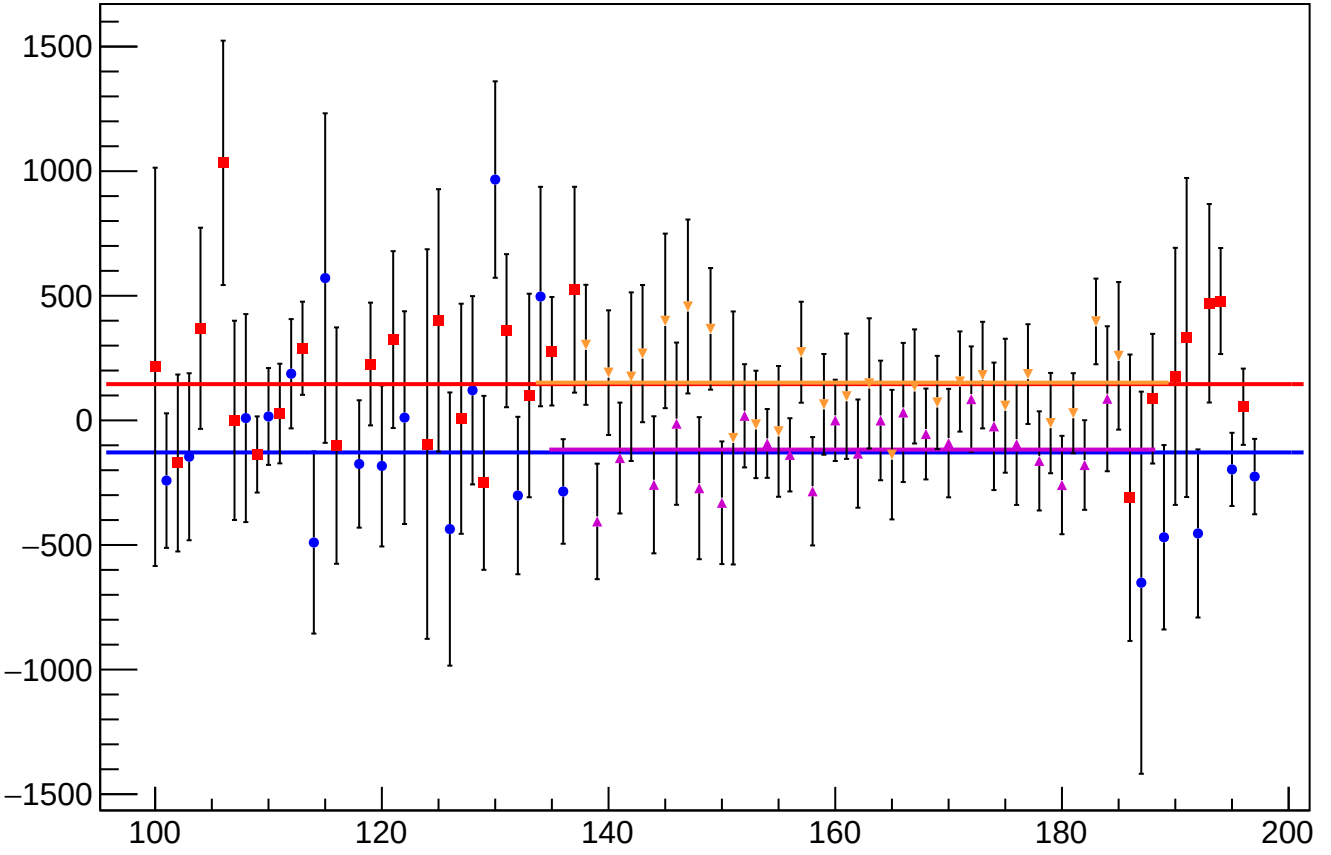
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 185.972+/-0.025 χ^2/NDF: 5198723.7/45

All: 184.338+/-0.018 χ^2/NDF: 11485493.8/94

- sign 182.745+/-0.025 χ^2/NDF: 6278585.0/48

asym_bcm_target_mean vs Slug



Right In: -128.662+/-59.944 χ^2/NDF: 19.4/20

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 145.425+/-56.965 χ^2/NDF: 17.2/25

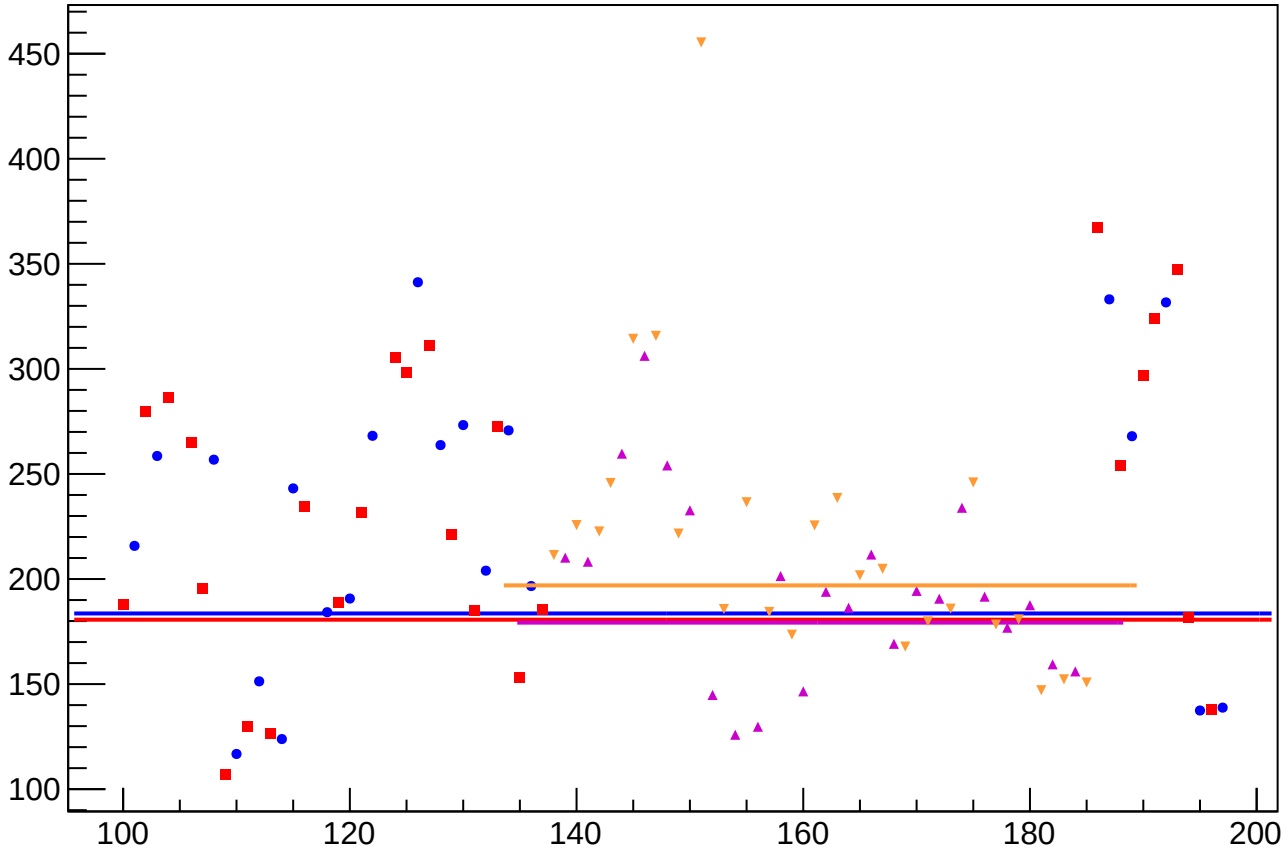
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 46.539+/-36.701 χ^2/NDF: 42.7/45

All: 11.595+/-25.219 χ^2/NDF: 82.4/94

- sign -19.662+/-34.712 χ^2/NDF: 38.0/48

asym_bcm_target_rms vs Slug



Right In: 183.616+/-0.042 χ^2/NDF: 2010973.9/20

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 180.647+/-0.040 χ^2/NDF: 2737544.2/25

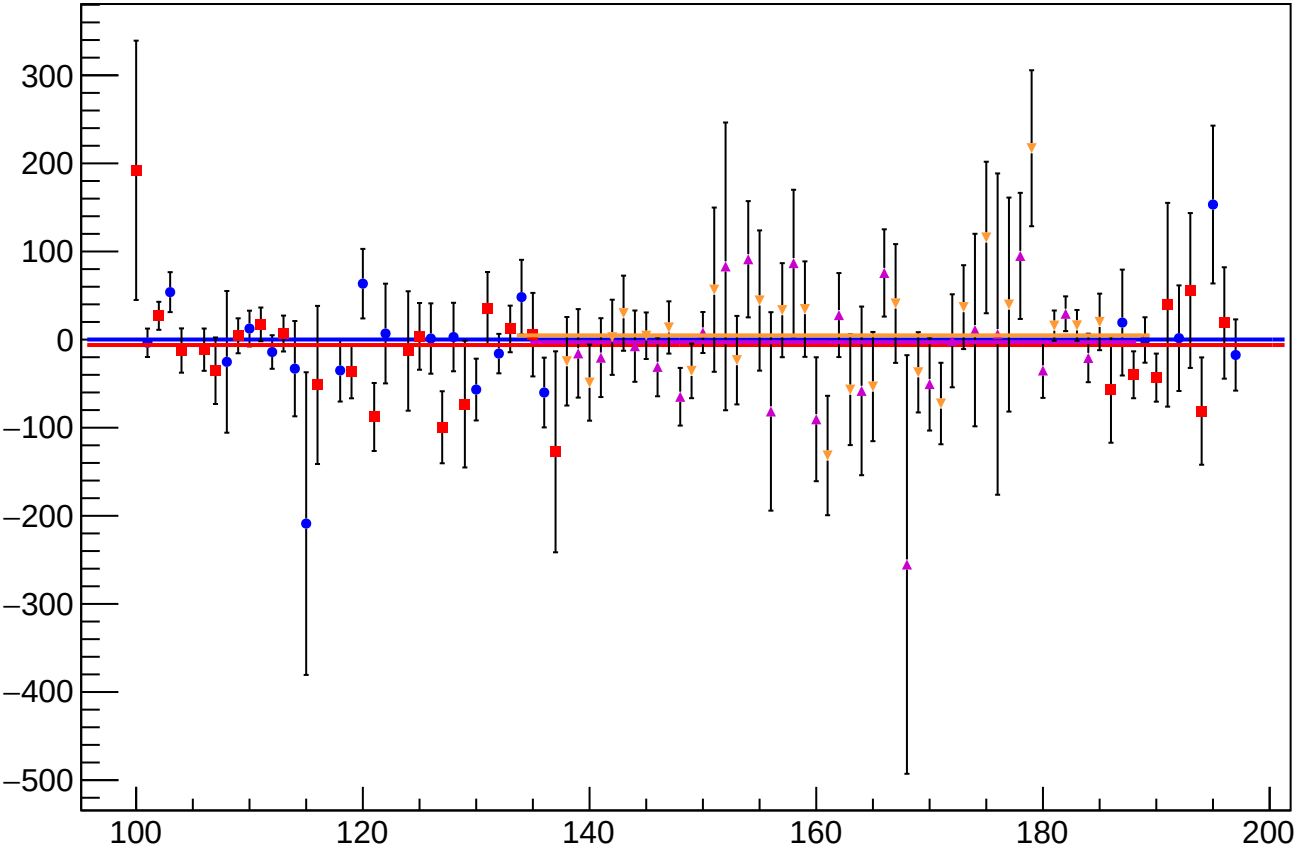
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 191.968+/-0.026 χ^2/NDF: 3882375.6/45

All: 185.530+/-0.018 χ^2/NDF: 8393250.4/94

- sign 179.772+/-0.025 χ^2/NDF: 4394317.4/48

asym_bcm_an_diff_mean vs Slug



Right In: 0.092+/-6.843 χ^2/NDF: 22.1/20

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -6.147+/-6.251 χ^2/NDF: 30.1/25

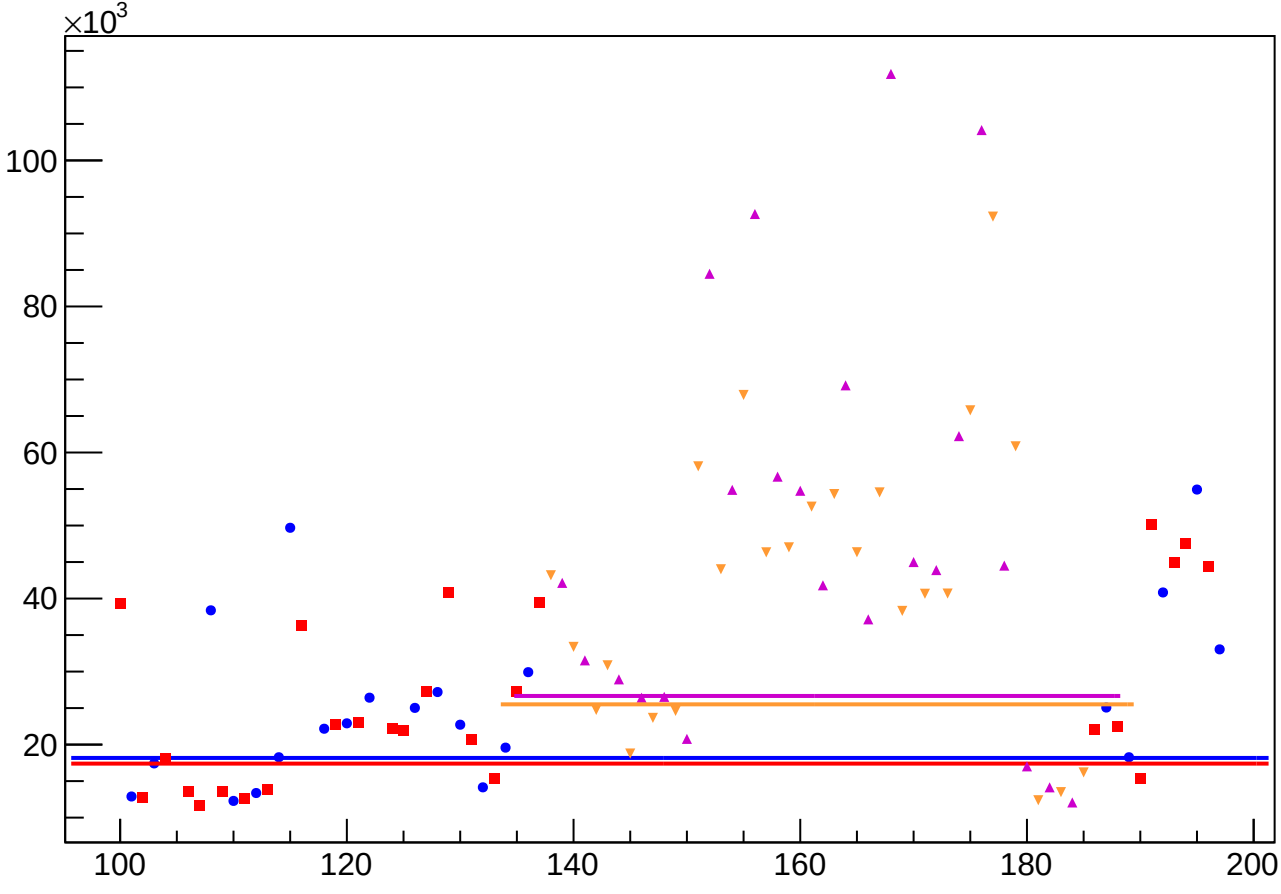
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.201+/-5.086 χ^2/NDF: 46.7/45

All: -1.422+/-3.603 χ^2/NDF: 99.4/94

- sign -5.071+/-5.104 χ^2/NDF: 51.7/48

asym_bcm_an_diff_rms vs Slug



Right In: 18173.637+/-4.839 χ^2/NDF: 2165762.1/20

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 17395.646+/-4.420 χ^2/NDF: 2621128.8/25

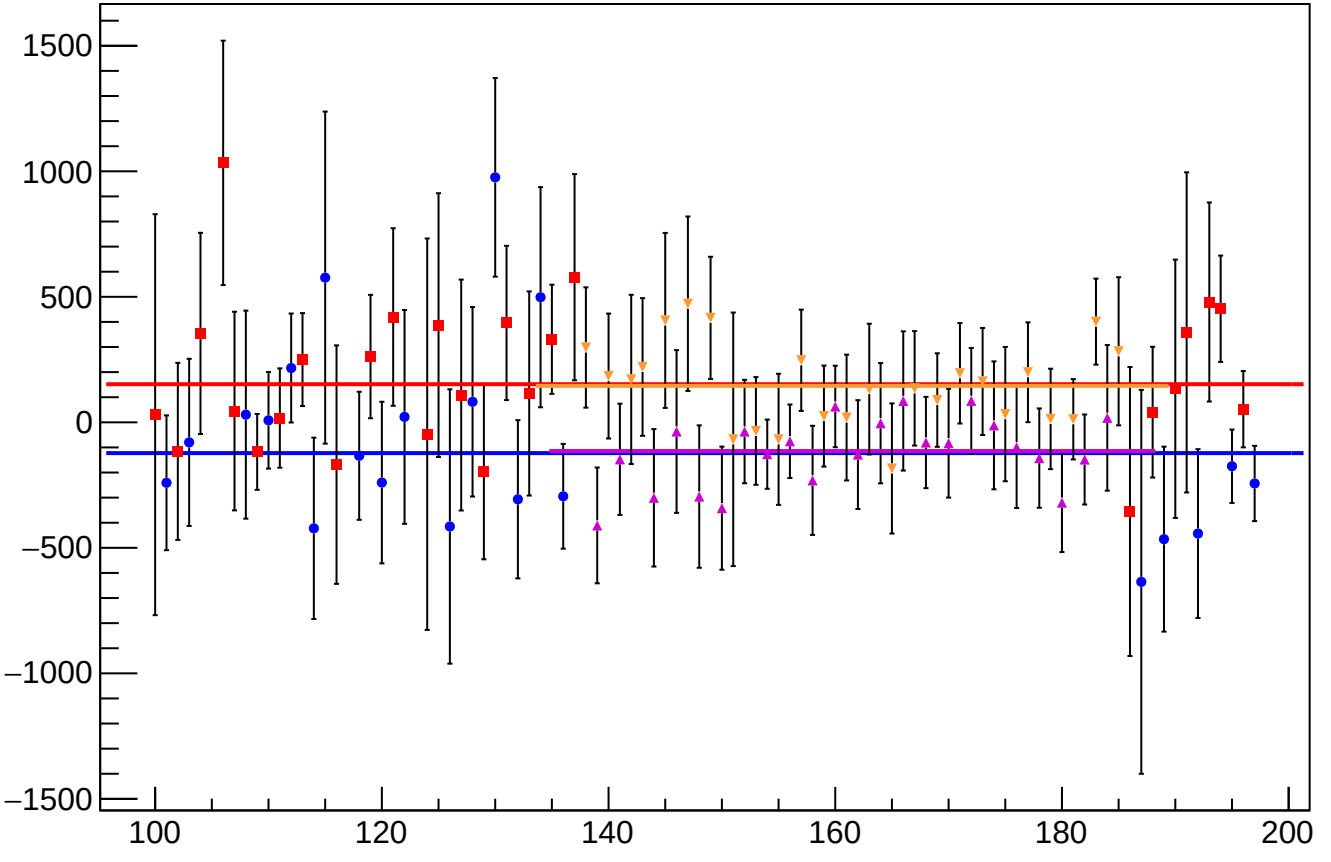
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21458.990+/-3.596 χ^2/NDF: 10938182.4/45

All: 20973.370+/-2.547 χ^2/NDF: 20943673.9

- sign 20484.225+/-3.609 χ^2/NDF: 9968886.9/48

asym_bcm_an_ds_mean vs Slug



Right In: -122.637+/-59.585 χ^2/NDF: 19.6/20

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 151.861+/-56.640 χ^2/NDF: 17.2/25

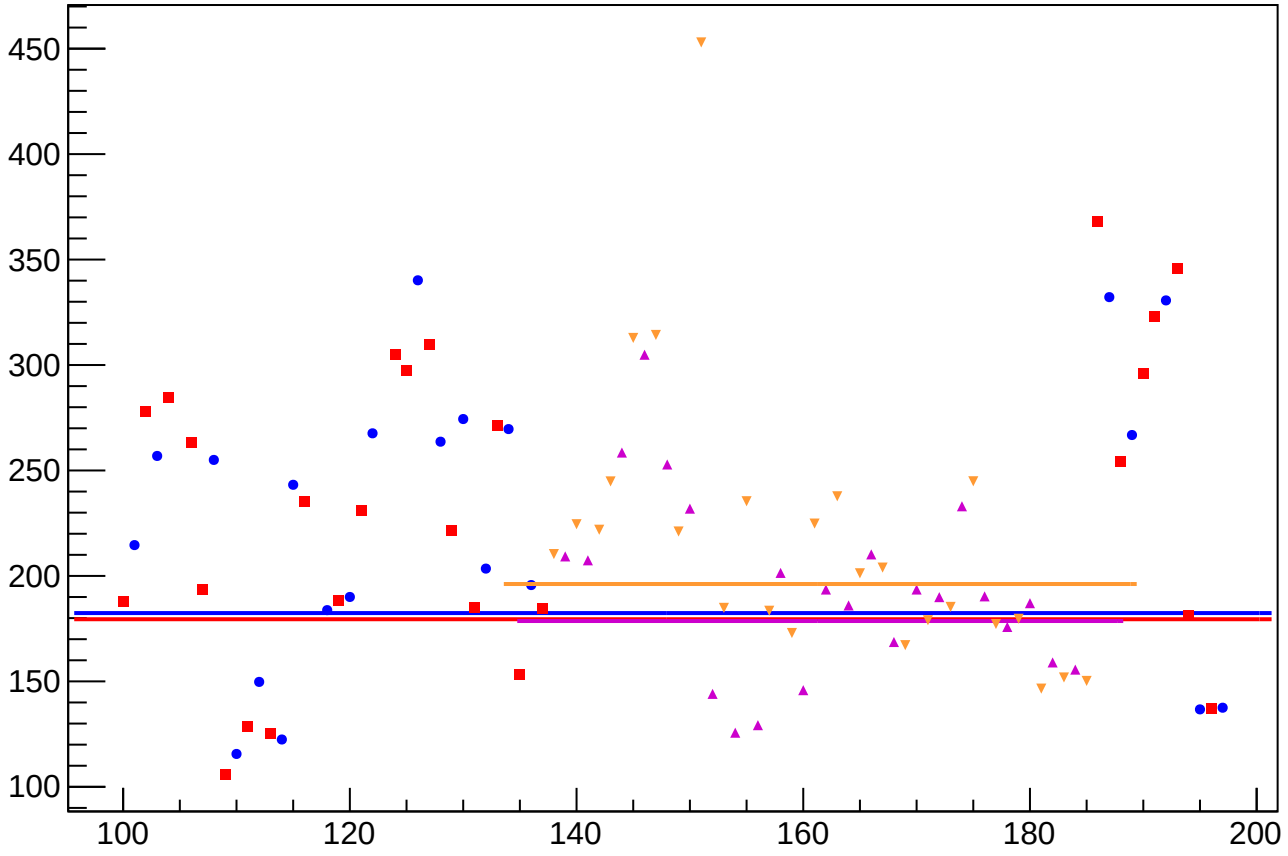
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 44.550+/-36.523 χ^2/NDF: 43.4/45

All: 12.986+/-25.103 χ^2/NDF: 84.3/94

- sign -15.275+/-34.559 χ^2/NDF: 39.5/48

asym_bcm_an_ds_rms vs Slug



Right In: 182.386+/-0.042 χ^2/NDF: 2038694.3/20

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 179.464+/-0.040 χ^2/NDF: 2773847.2/25

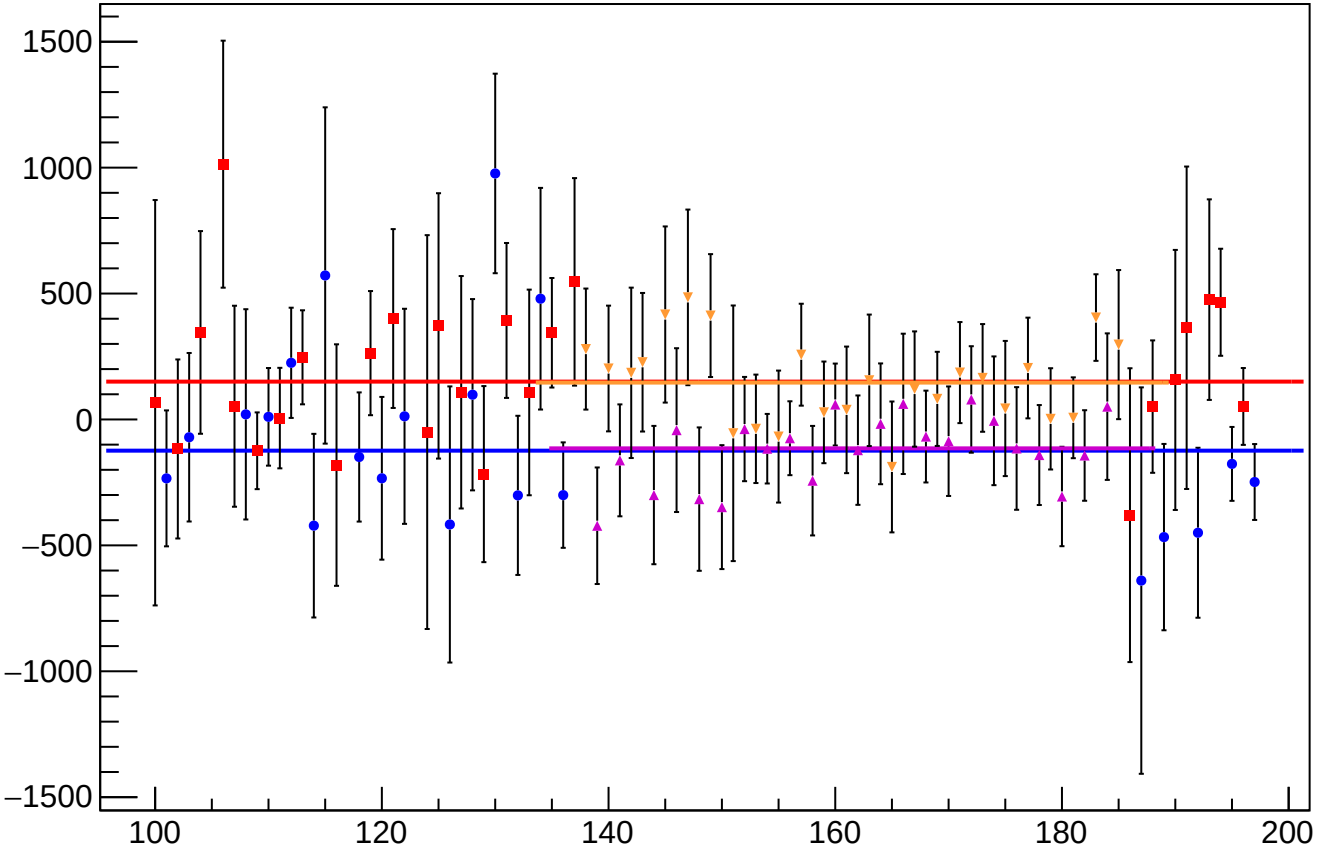
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 190.988+/-0.026 χ^2/NDF: 3912341.0/45

All: 184.629+/-0.018 χ^2/NDF: 8453267.3/94

- sign 178.935+/-0.024 χ^2/NDF: 4425999.5/48

asym_bcm_an_ds3_mean vs Slug



Right In: -123.899+/-59.890 χ^2/NDF: 19.6/20

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 150.279+/-56.948 χ^2/NDF: 17.3/25

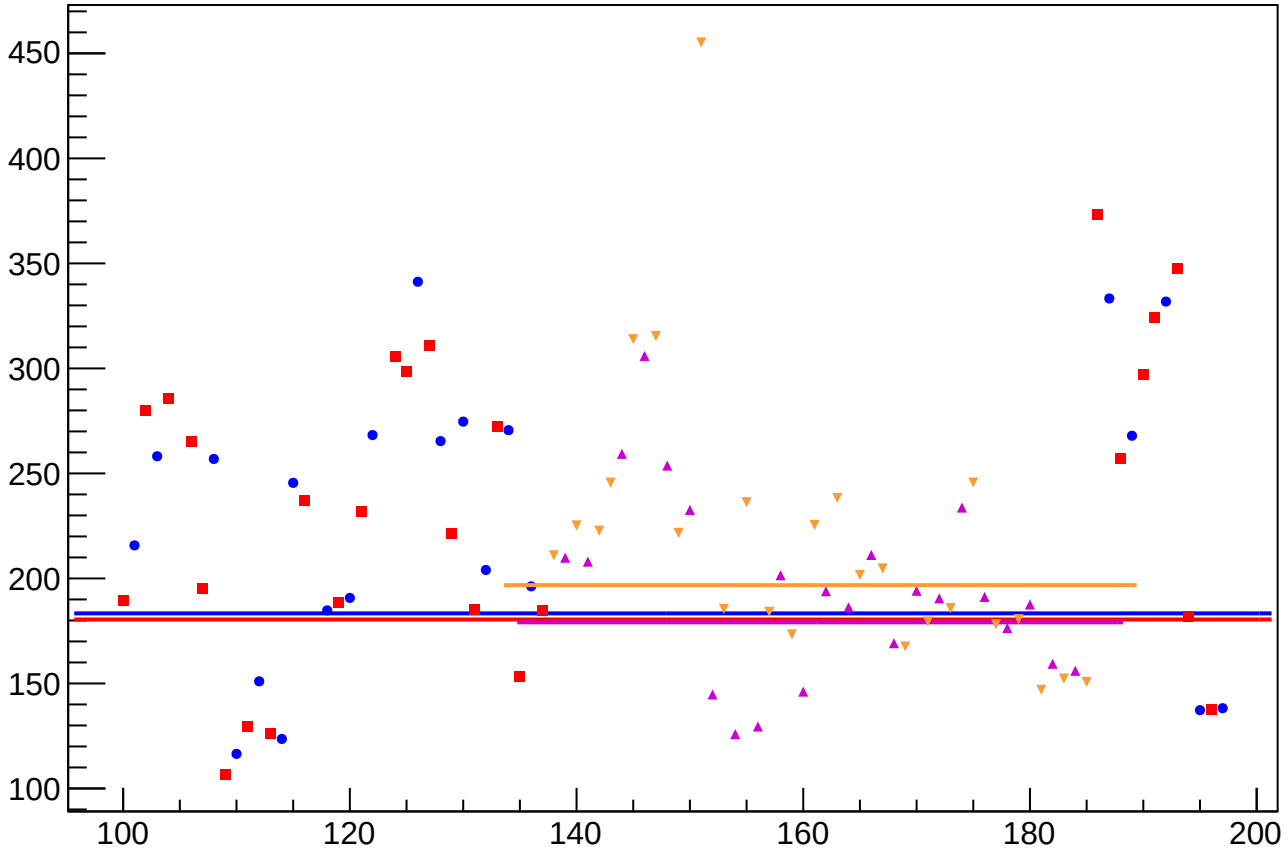
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 45.080+/-36.669 χ^2/NDF: 43.8/45

All: 12.610+/-25.200 χ^2/NDF: 84.6/94

- sign -16.448+/-34.689 χ^2/NDF: 39.3/48

asym_bcm_an_ds3_rms vs Slug



Right In: 183.365+/-0.042 χ^2/NDF: 2028689.0/20

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

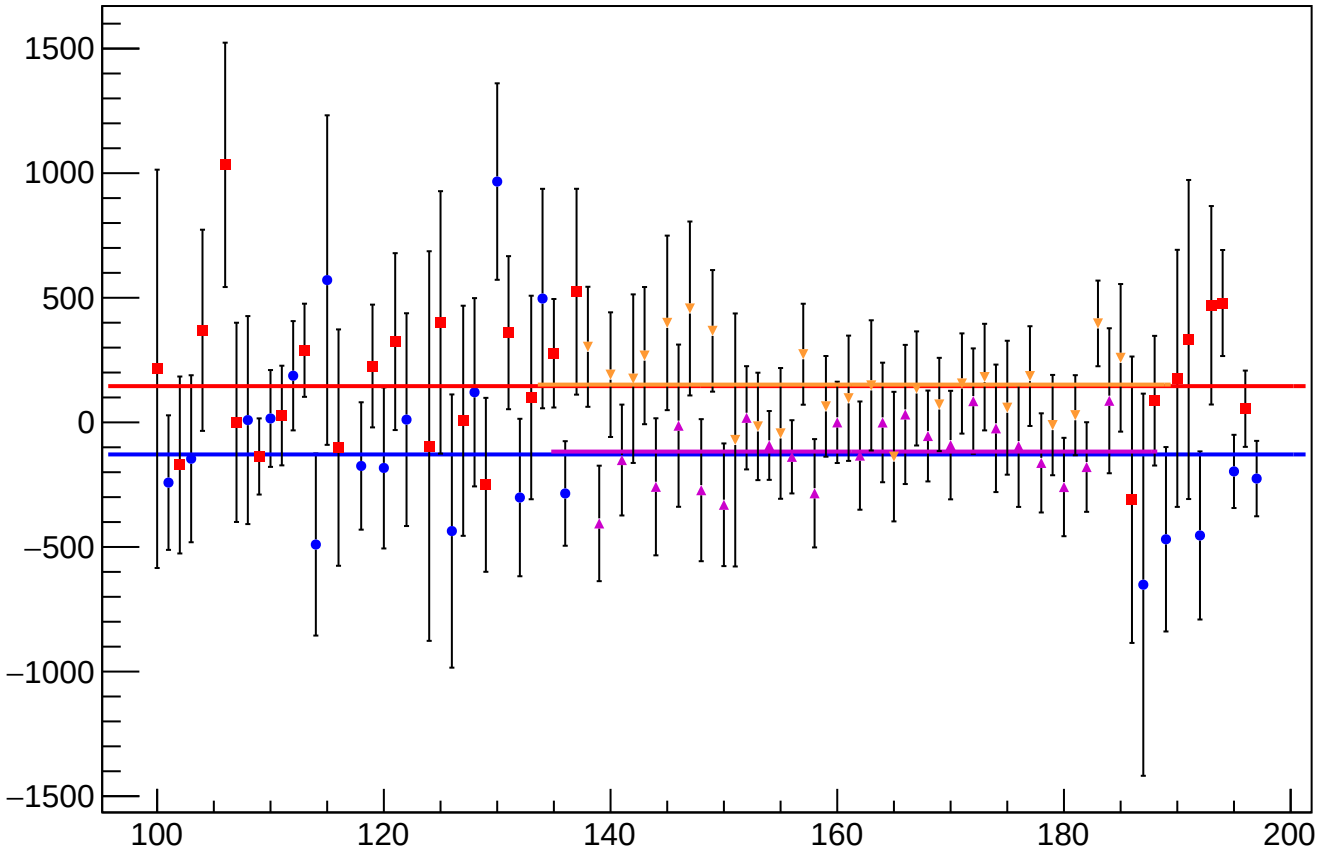
Right Out: 180.458+/-0.040 χ^2/NDF: 2768924.9/25

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 191.767+/-0.026 χ^2/NDF: 3900264.3/45

All: 185.348+/-0.018 χ^2/NDF: 8441878.9/94

- sign 179.605+/-0.025 χ^2/NDF: 4425505.9/48



Right In: -128.662+/-59.944 χ^2/NDF: 19.4/20

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 145.425+/-56.965 χ^2/NDF: 17.2/25

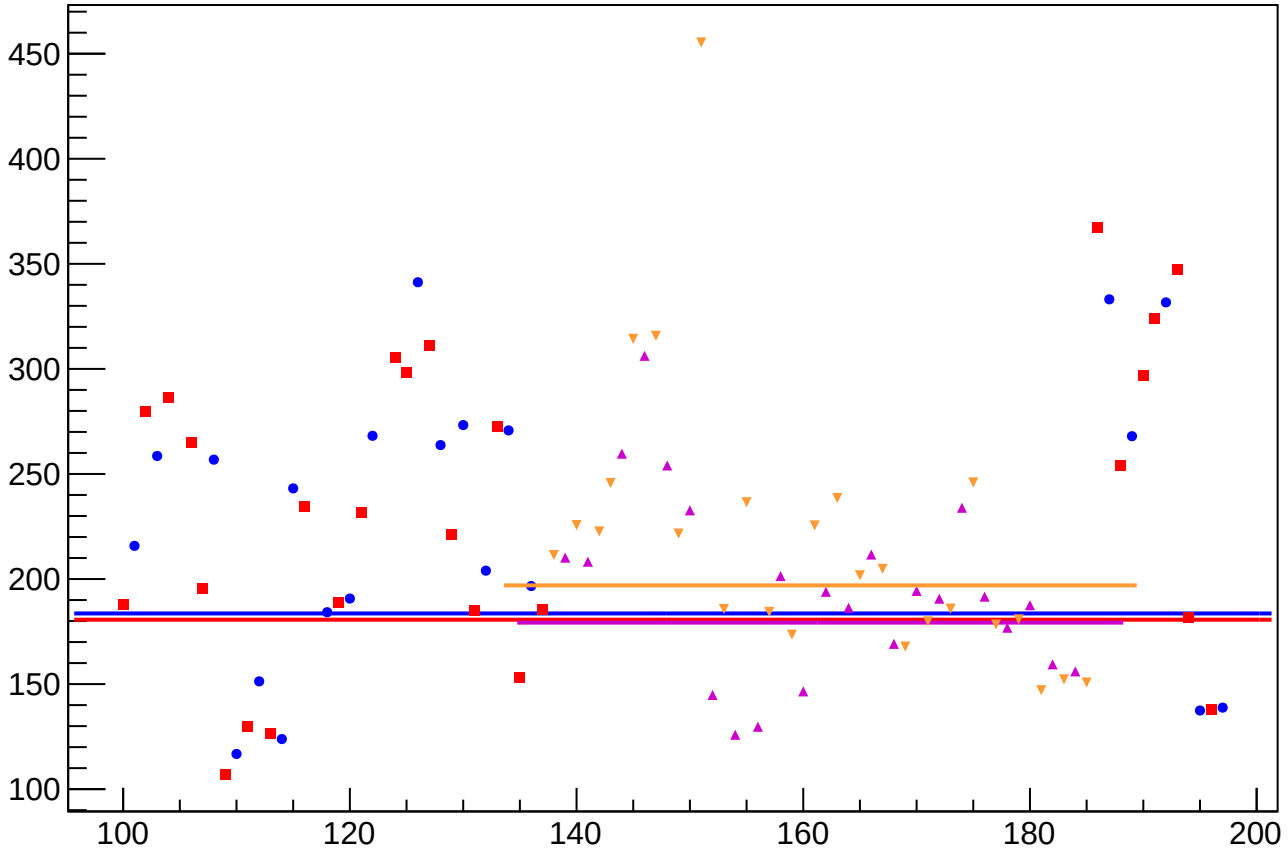
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 46.539+/-36.701 χ^2/NDF: 42.7/45

All: 11.595+/-25.219 χ^2/NDF: 82.4/94

- sign -19.662+/-34.712 χ^2/NDF: 38.0/48

asym_bcm_an_us_rms vs Slug



Right In: 183.616+/-0.042 χ^2/NDF: 2010973.9/20

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 180.647+/-0.040 χ^2/NDF: 2737544.2/25

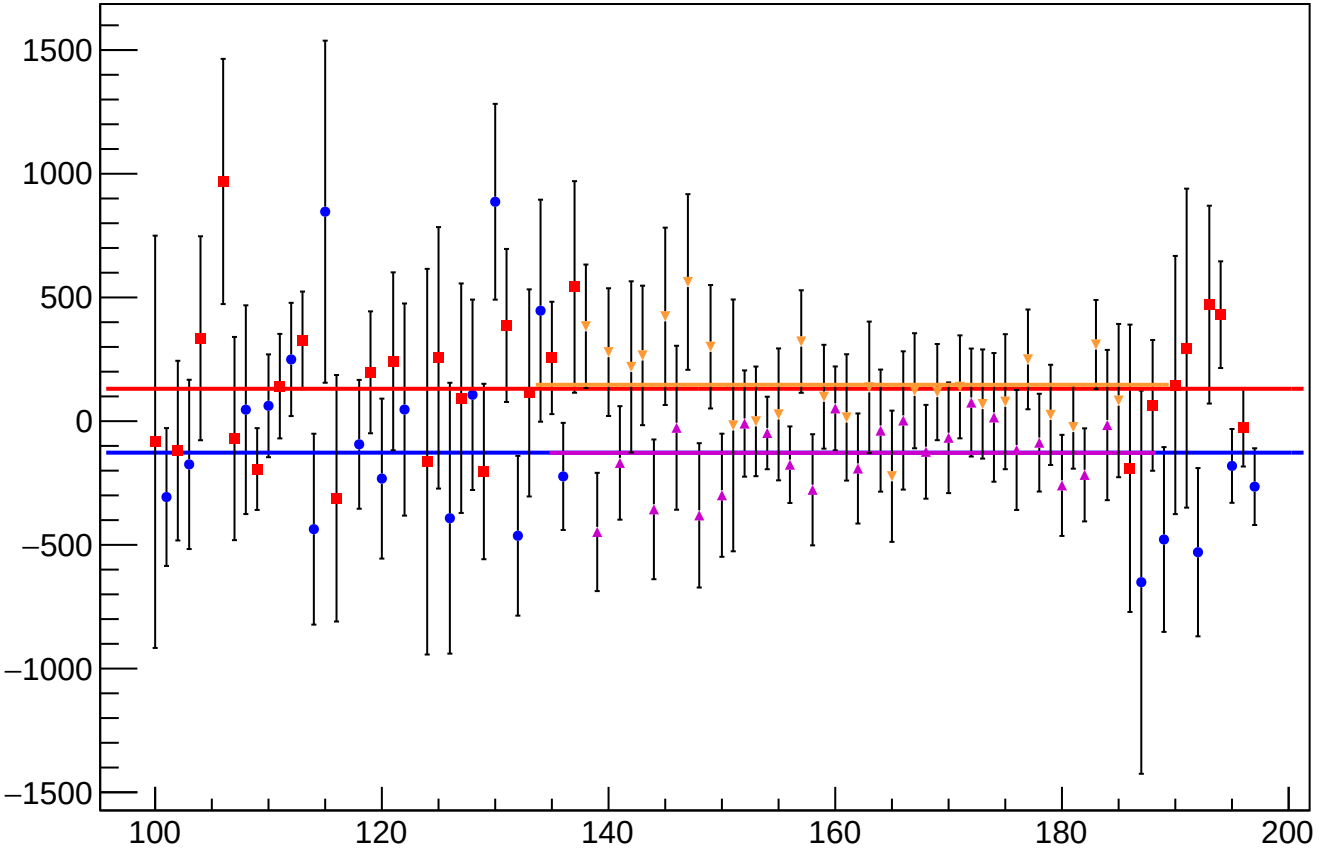
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

\+ sign 191.968+/-0.026 χ^2/NDF: 3882375.6/45

All: 185.530+/-0.018 χ^2/NDF: 8393250.4/94

\- sign 179.772+/-0.025 χ^2/NDF: 4394317.4/48

asym_bcm_dg_us_mean vs Slug



Right In: -127.273+/-61.514 χ^2/NDF: 20.8/20

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 130.912+/-58.945 χ^2/NDF: 16.8/25

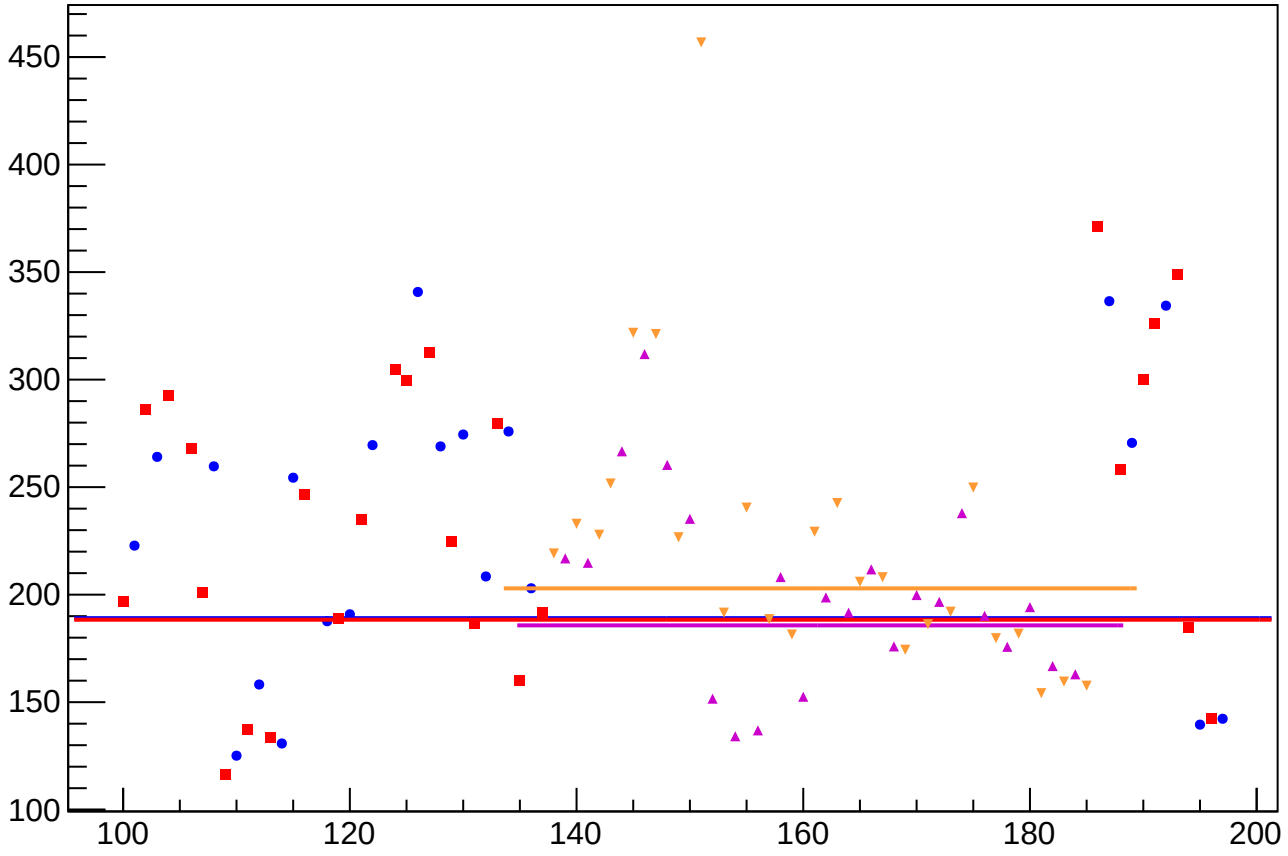
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 43.969+/-37.699 χ^2/NDF: 43.4/45

All: 3.974+/-25.986 χ^2/NDF: 83.0/94

- sign -32.230+/-35.868 χ^2/NDF: 37.5/48

asym_bcm_dg_us_rms vs Slug



Right In: 189.077+/-0.043 χ^2/NDF: 1899989.2/20

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 188.348+/-0.042 χ^2/NDF: 2473426.8/25

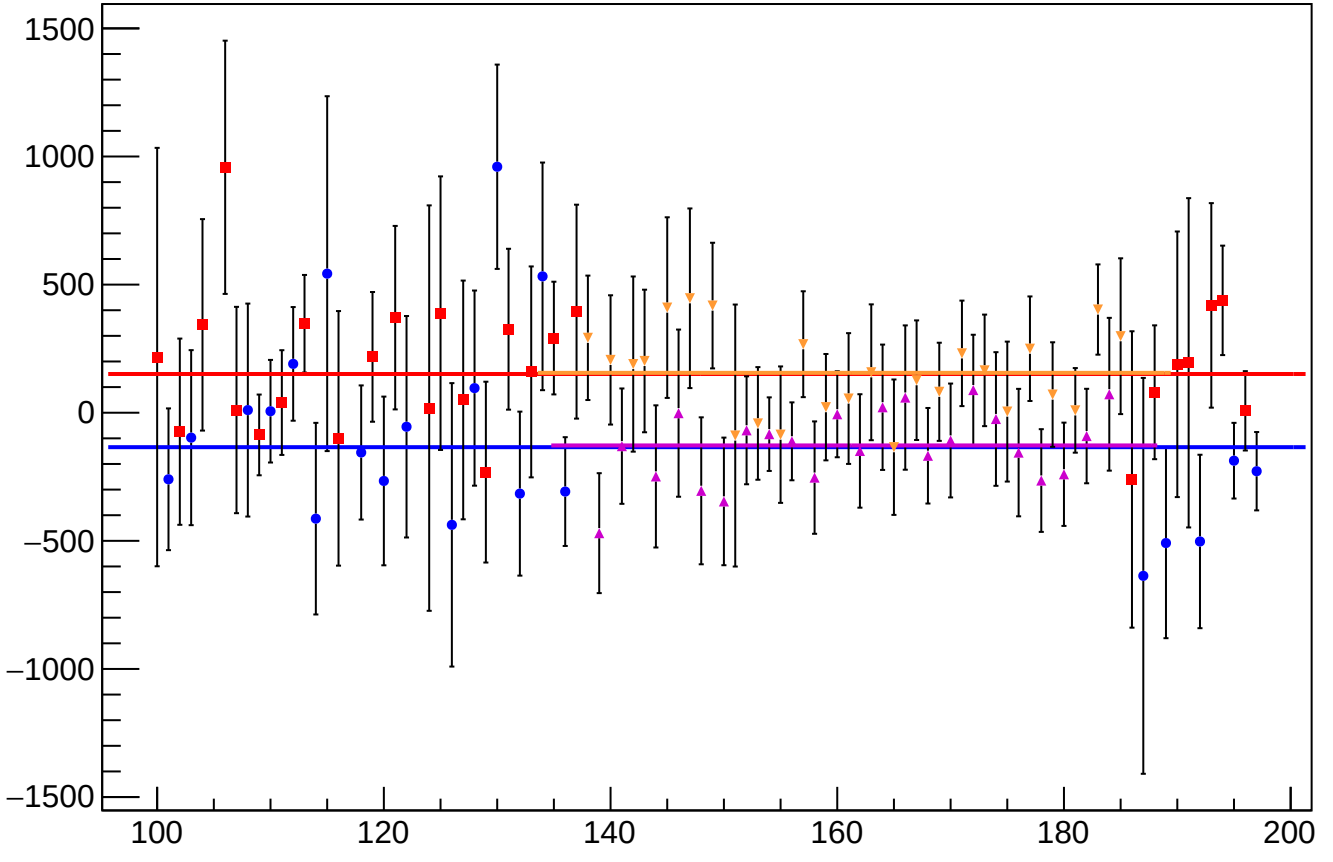
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 197.721+/-0.027 χ^2/NDF: 3663344.4/45

All: 191.931+/-0.018 χ^2/NDF: 7718640.5/94

- sign 186.690+/-0.025 χ^2/NDF: 3965424.5/48

asym_bcm_dg_ds_mean vs Slug



Right In: -134.447+/-60.757 χ^2/NDF: 19.3/20

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 151.155+/-57.895 χ^2/NDF: 14.0/25

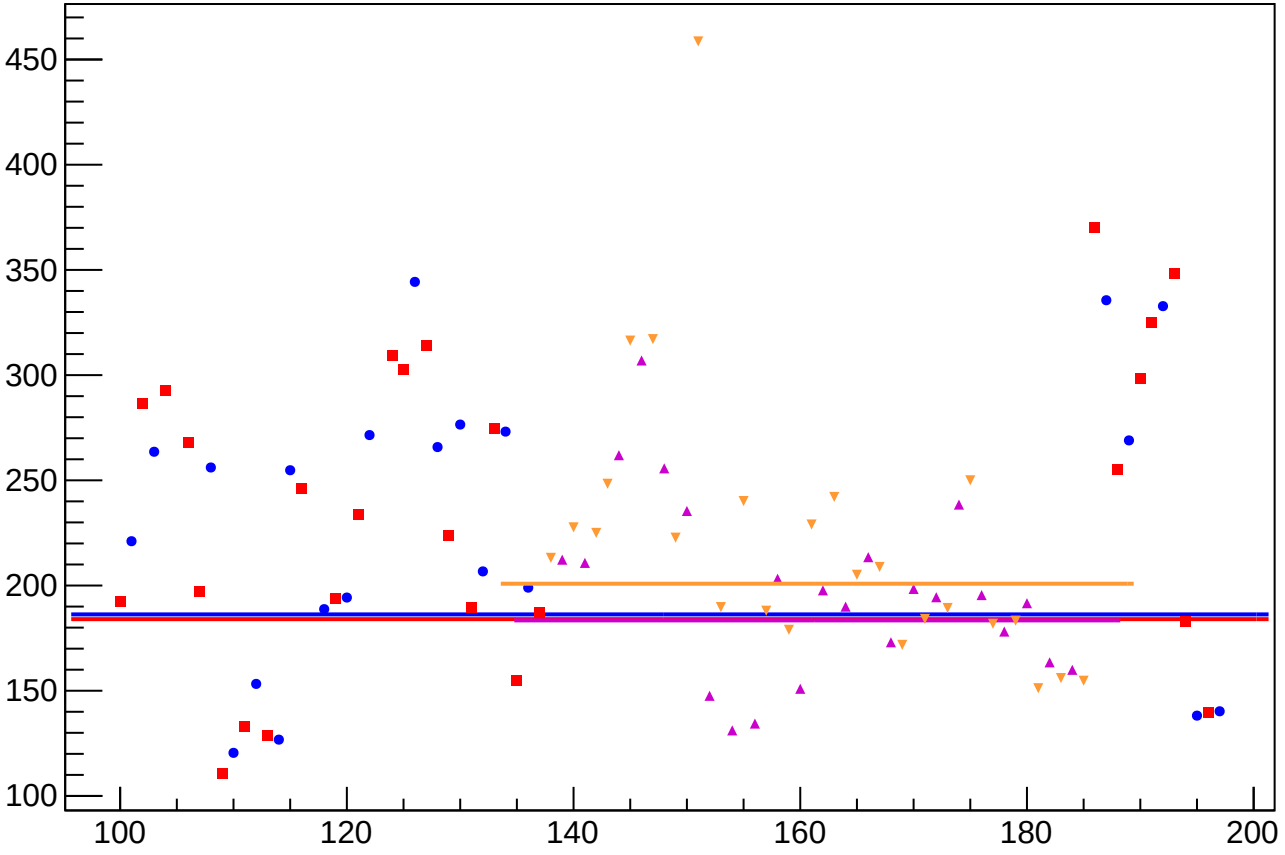
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 46.281+/-37.305 χ^2/NDF: 44.1/45

All: 9.526+/-25.671 χ^2/NDF: 82.4/94

- sign -23.533+/-35.380 χ^2/NDF: 36.5/48

asym_bcm_dg_ds_rms vs Slug



Right In: 186.280+/-0.043 χ^2/NDF: 1987375.9/20

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 184.025+/-0.041 χ^2/NDF: 2669899.2/25

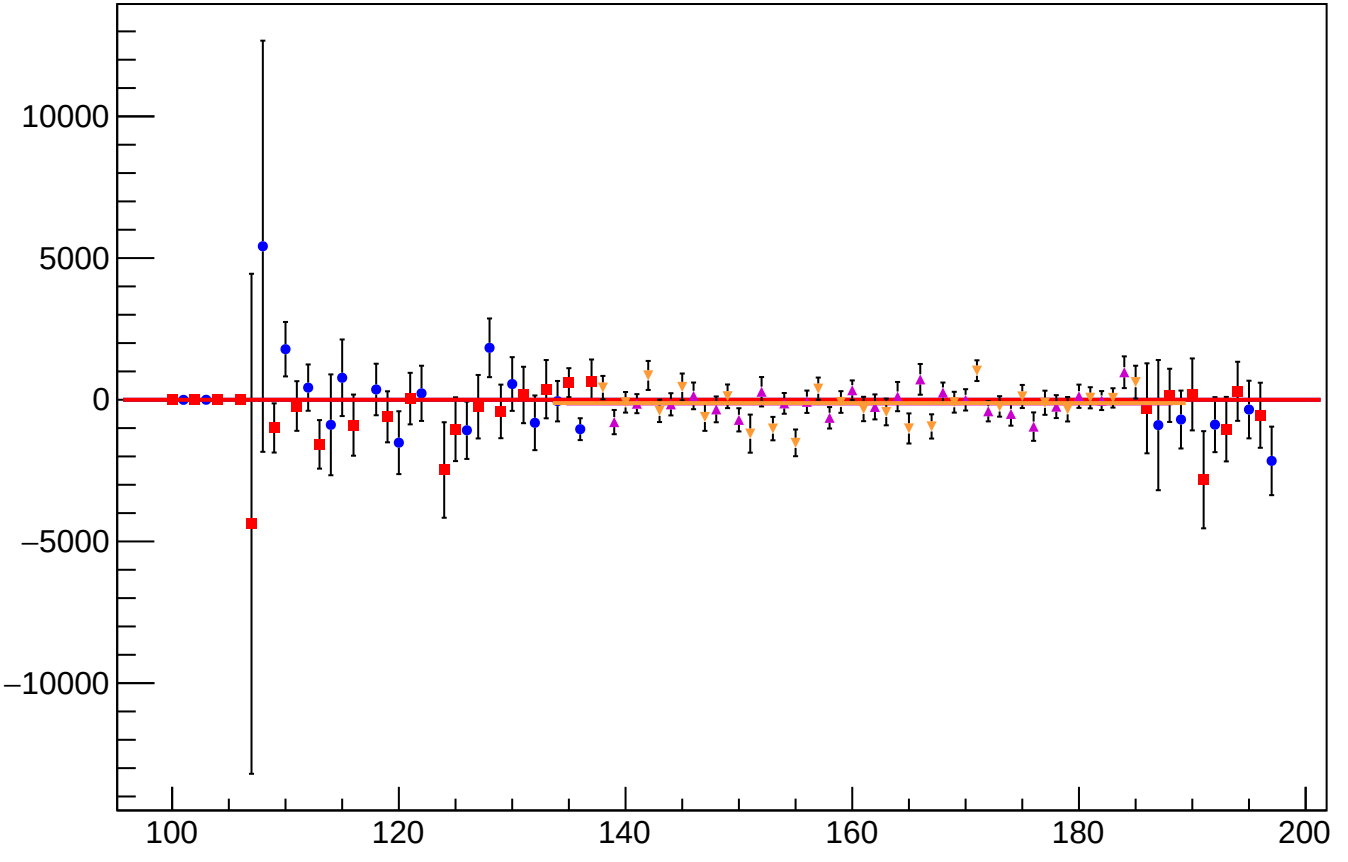
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

\+ sign 195.366+/-0.026 χ^2/NDF: 3786583.5/45

All: 189.200+/-0.018 χ^2/NDF: 8091069.7/94

\- sign 183.654+/-0.025 χ^2/NDF: 4200709.0/48

asym_cav4bQ_mean vs Slug



Right In: -1.256+/-2.171 χ^2/NDF: 24.6/20

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.384+/-2.022 χ^2/NDF: 20.8/25

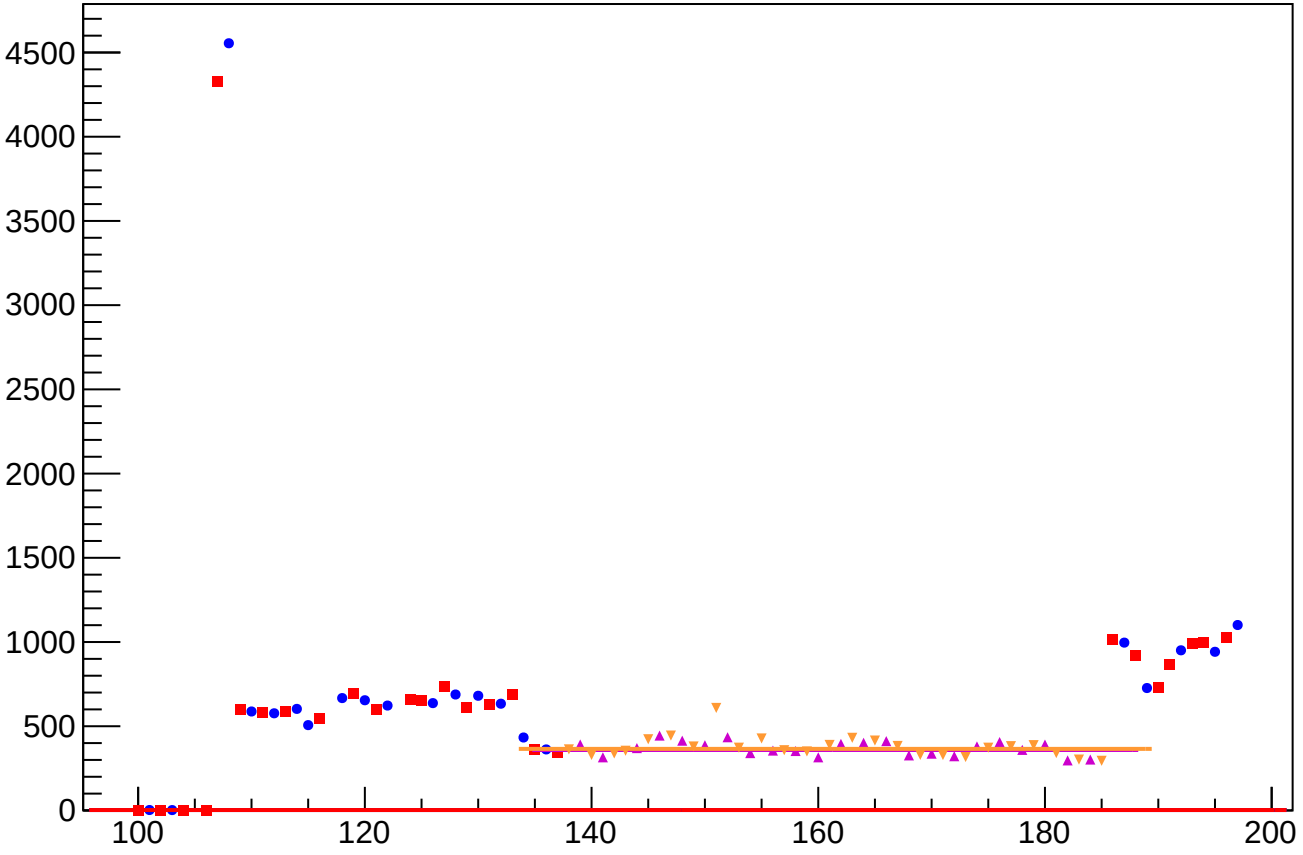
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.333+/-2.170 χ^2/NDF: 72.9/45

All: -1.399+/-1.479 χ^2/NDF: 117.6/94

- sign -1.457+/-2.022 χ^2/NDF: 44.7/48

asym_cav4bQ_rms vs Slug



Right In: 2.493+/-0.002 χ^2/NDF: 18269768.8/20

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.481+/-0.001 χ^2/NDF: 20335763.6/25

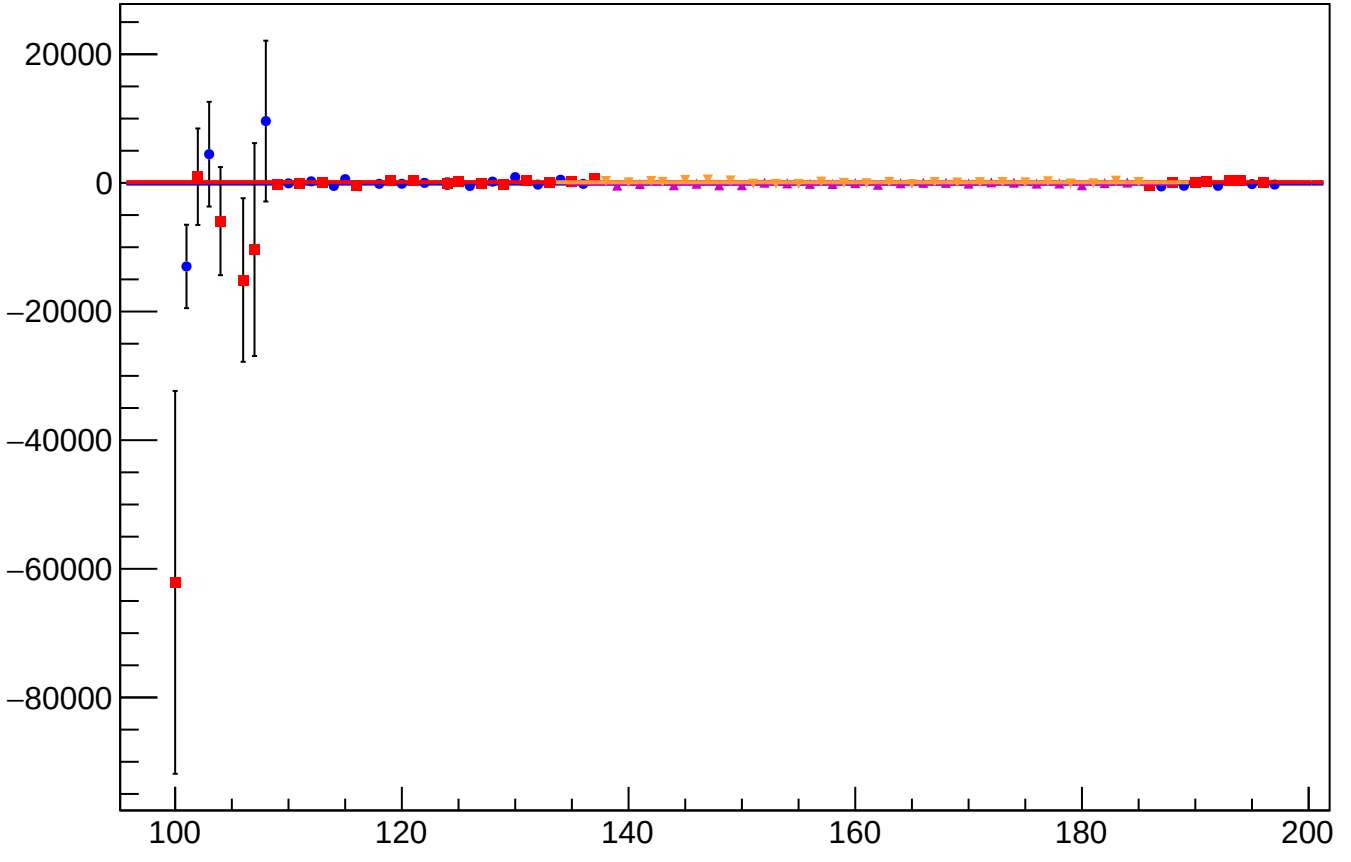
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.735+/-0.002 χ^2/NDF: 56101282.8/45

All: 2.707+/-0.001 χ^2/NDF: 111992036.4/94

- sign 2.683+/-0.001 χ^2/NDF: 55890137.3/48

asym_cav4cQ_mean vs Slug



Right In: -107.202+/-67.394 χ^2/NDF: 21.4/20

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 124.068+/-65.791 χ^2/NDF: 18.1/25

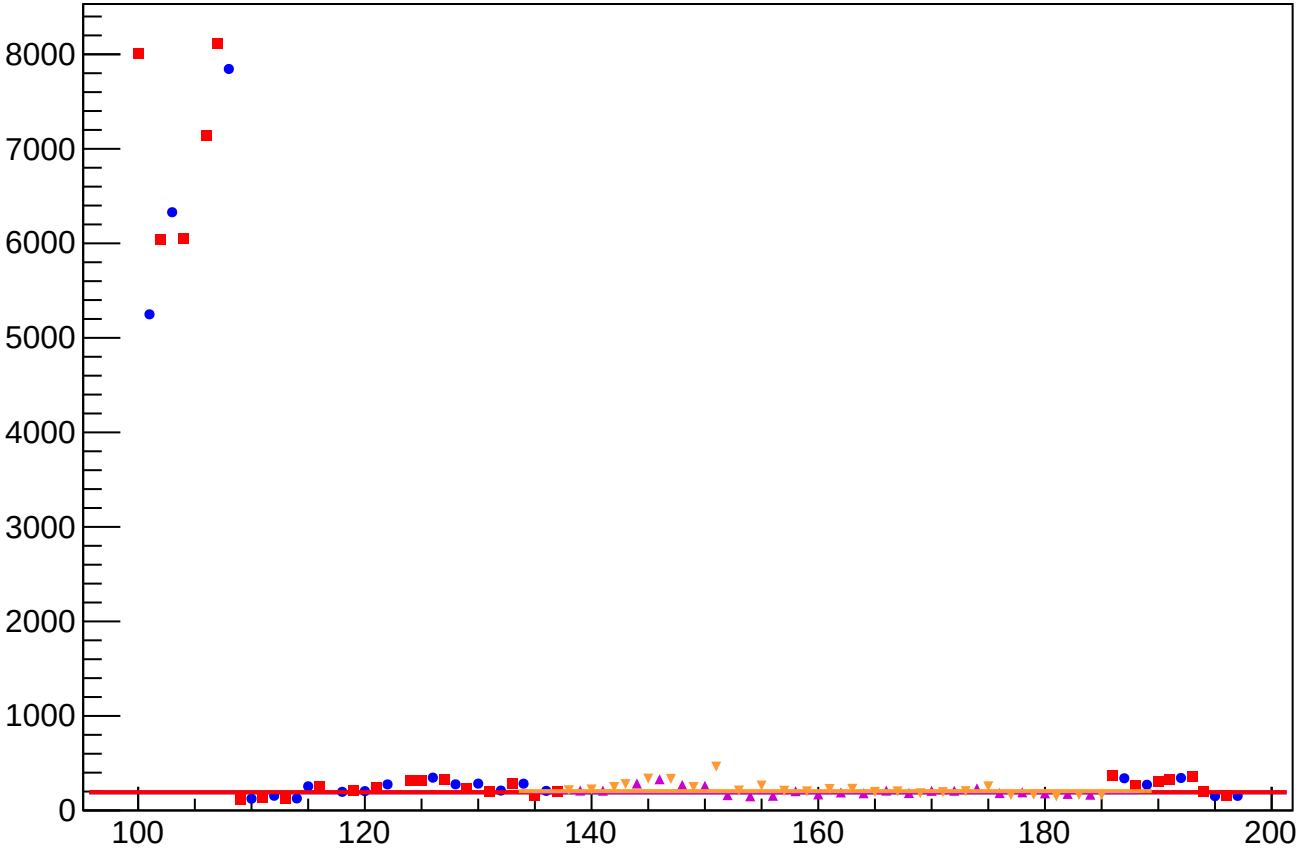
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 29.521+/-39.232 χ^2/NDF: 40.4/45

All: -4.709+/-27.377 χ^2/NDF: 78.4/94

- sign -37.196+/-38.221 χ^2/NDF: 36.5/48

asym_cav4cQ_rms vs Slug



Right In: 191.500+/-0.048 χ^2/NDF: 4732610.1/20

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 193.123+/-0.047 χ^2/NDF: 5388688.0/25

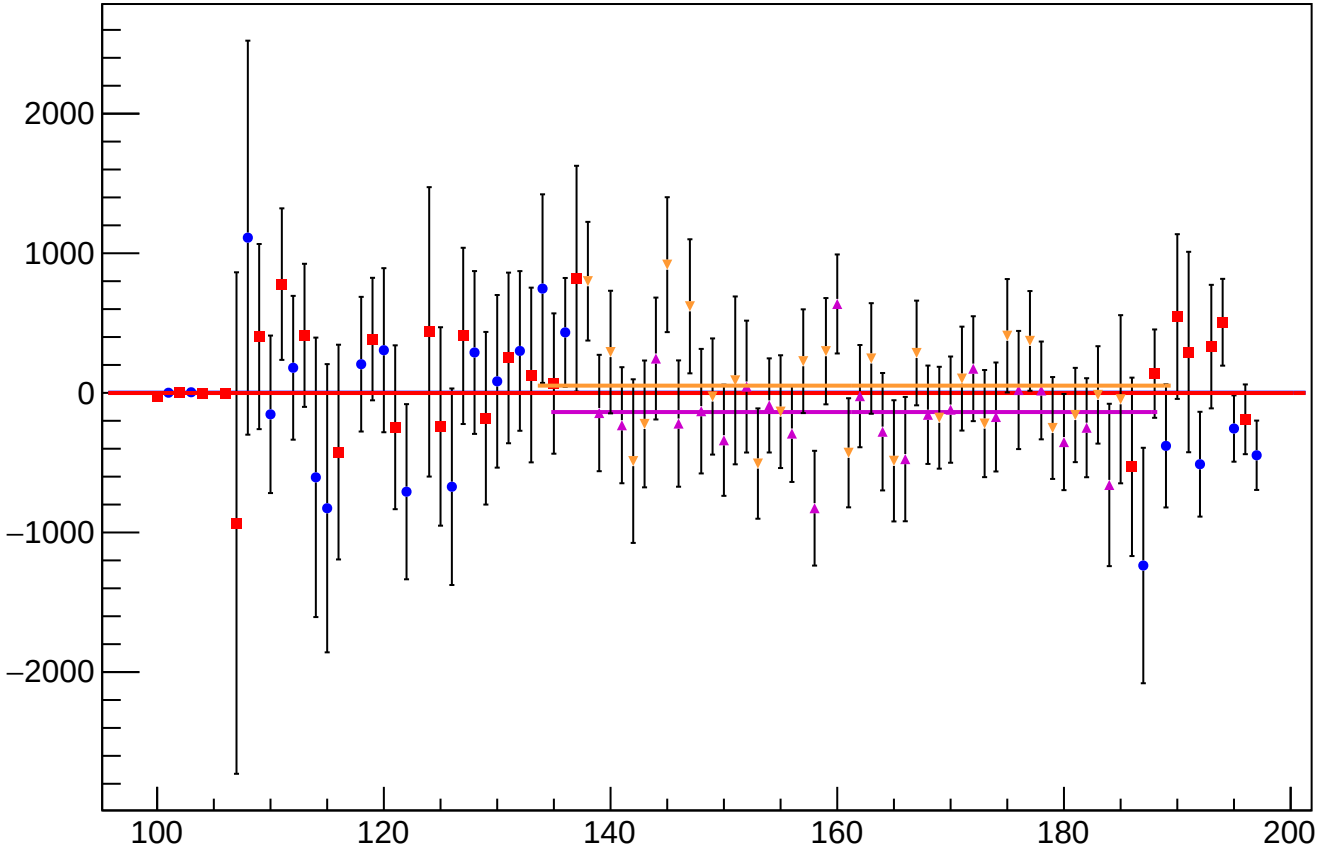
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 200.148+/-0.028 χ^2/NDF: 6757542.6/45

All: 196.806+/-0.019 χ^2/NDF: 13366288.6/94

- sign 193.634+/-0.027 χ^2/NDF: 6580460.0/48

asym_cav4dQ_mean vs Slug



Right In: 1.403+/-1.660 χ^2/NDF: 17.1/20

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.079+/-1.528 χ^2/NDF: 14.9/25

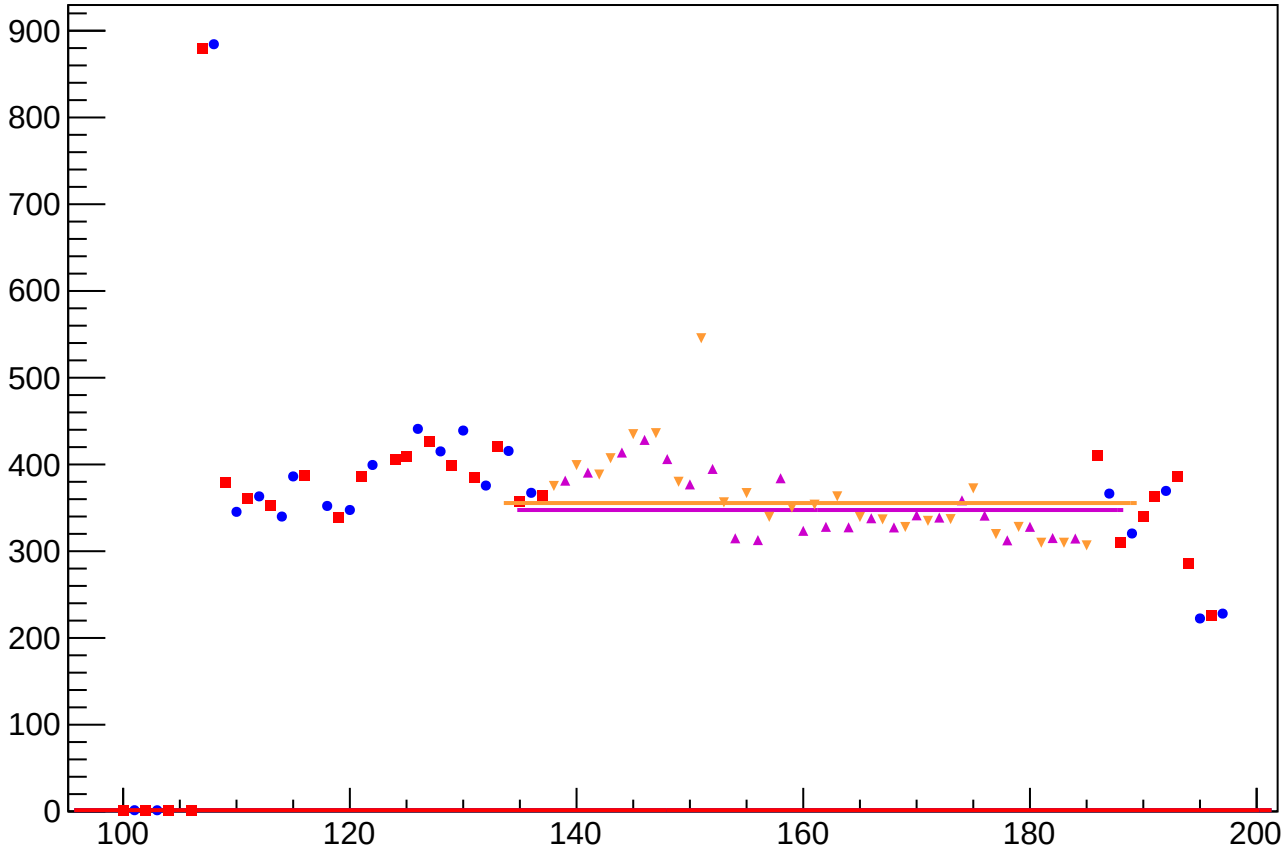
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.424+/-1.660 χ^2/NDF: 36.9/45

All: 0.043+/-1.124 χ^2/NDF: 68.0/94

- sign -1.126+/-1.527 χ^2/NDF: 29.8/48

asym_cav4dQ_rms vs Slug



Right In: 1.504+/-0.001 χ^2/NDF: 18473802.2/20

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.500+/-0.001 χ^2/NDF: 19950789.8/25

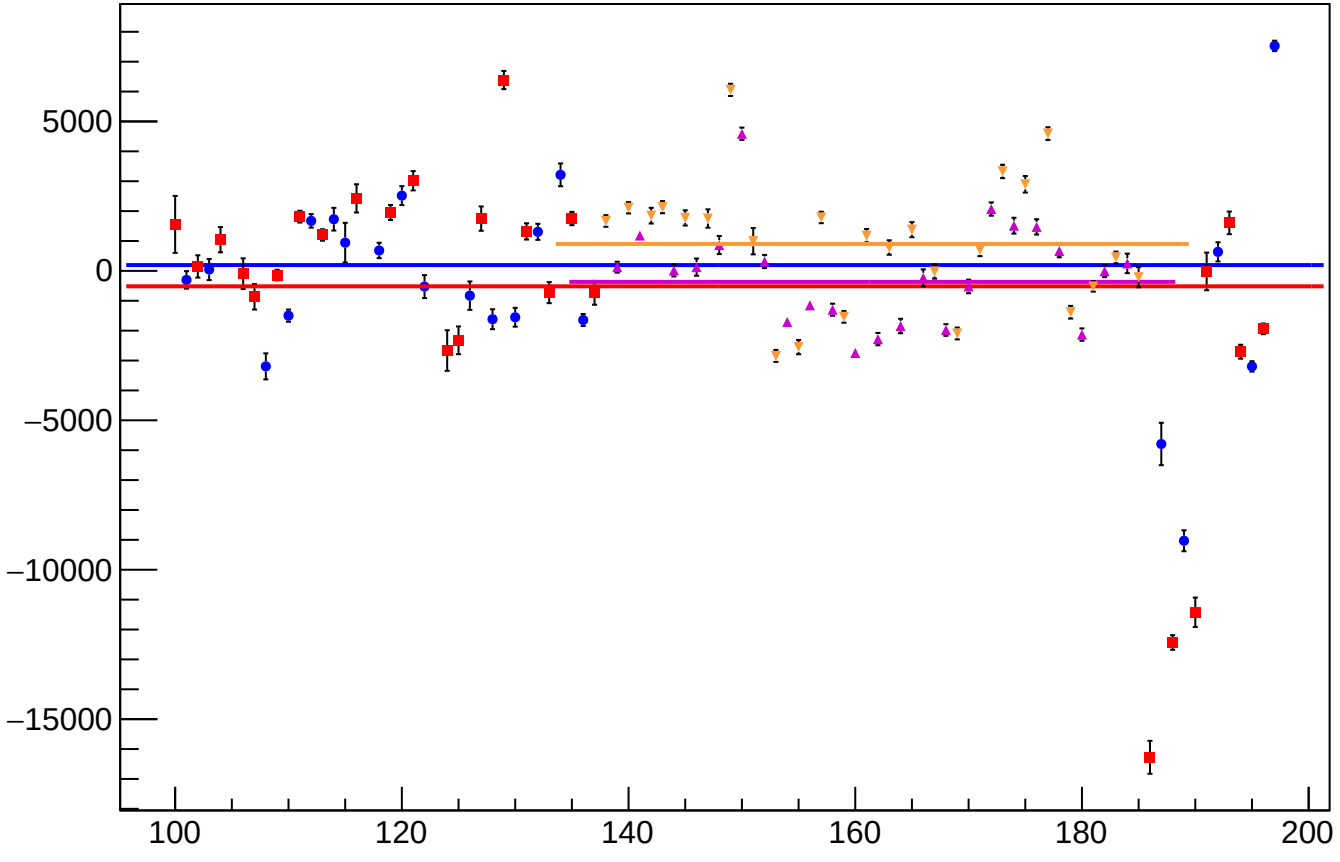
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.651+/-0.001 χ^2/NDF: 56675817.8/45

All: 1.634+/-0.001 χ^2/NDF: 112468270.7/94

- sign 1.620+/-0.001 χ^2/NDF: 55792081.9/48

asym_bcm0l02_mean vs Slug



Right In: 193.659+/-61.577 χ^2/NDF: 3382.7/20

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -516.555+/-58.383 χ^2/NDF: 5079.4/25

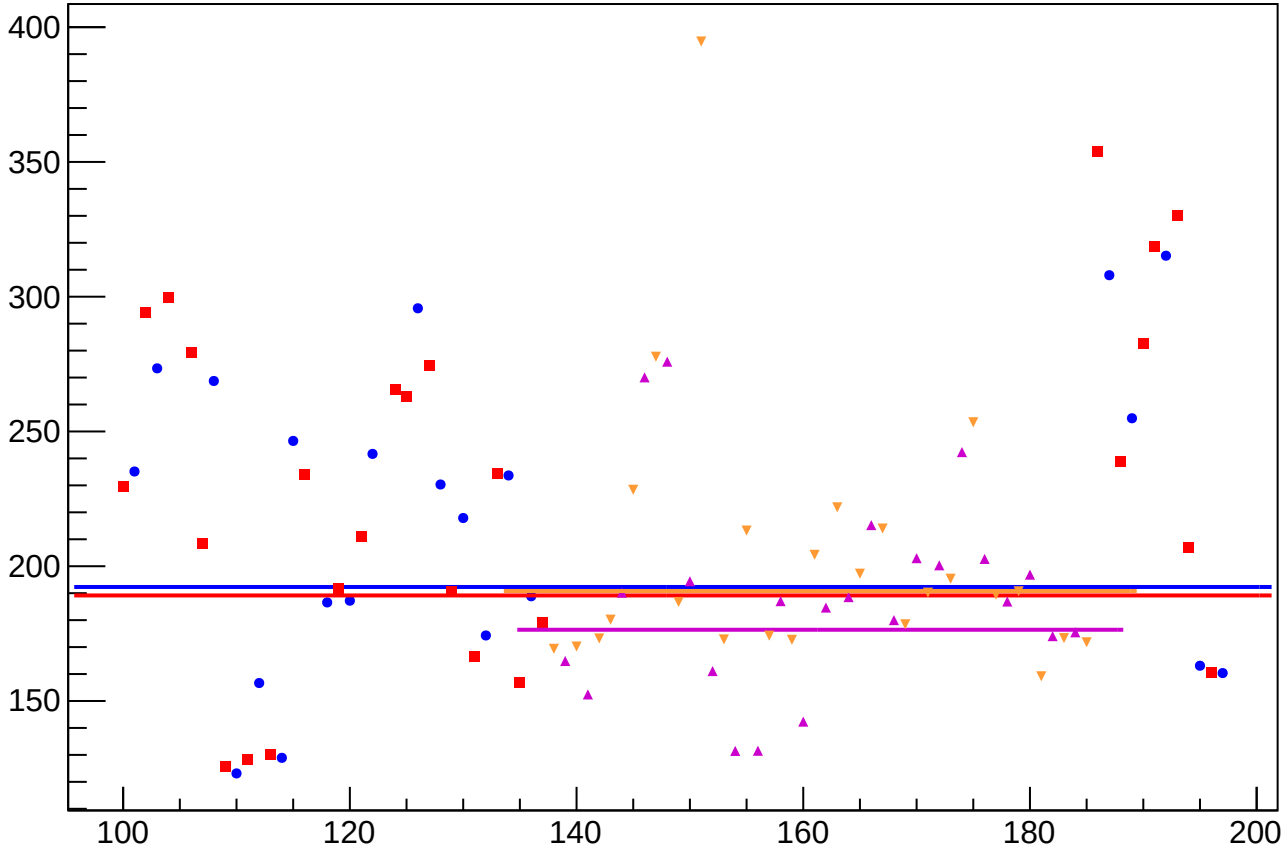
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 658.774+/-36.057 χ^2/NDF: 5880.5/45

All: 95.080+/-24.915 χ^2/NDF: 13024.8/94

- sign -419.934+/-34.465 χ^2/NDF: 6676.6/48

asym_bcm0l02_rms vs Slug



Right In: 192.302+/-0.044 χ^2/NDF: 1292777.7/20

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 189.159+/-0.041 χ^2/NDF: 2044026.2/25

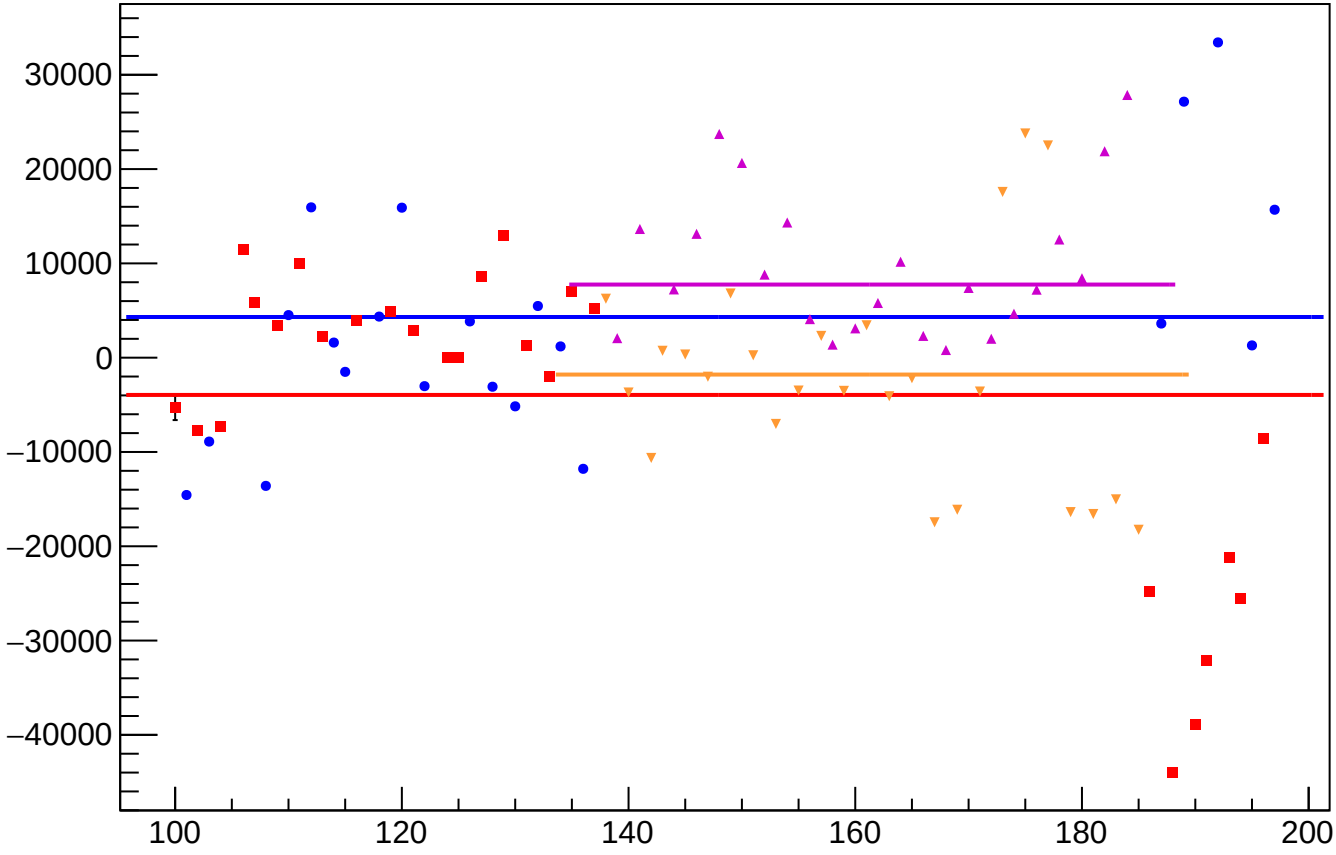
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 191.316+/-0.025 χ^2/NDF: 2313157.2/45

All: 185.856+/-0.018 χ^2/NDF: 5764537.0/94

- sign 180.867+/-0.024 χ^2/NDF: 3363611.9/48

asym_bpm0i02WS_mean vs Slug



Right In: 4313.593+/-47.111 χ^2/NDF: 74217.9/20

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3951.030+/-44.375 χ^2/NDF: 128845.4/25

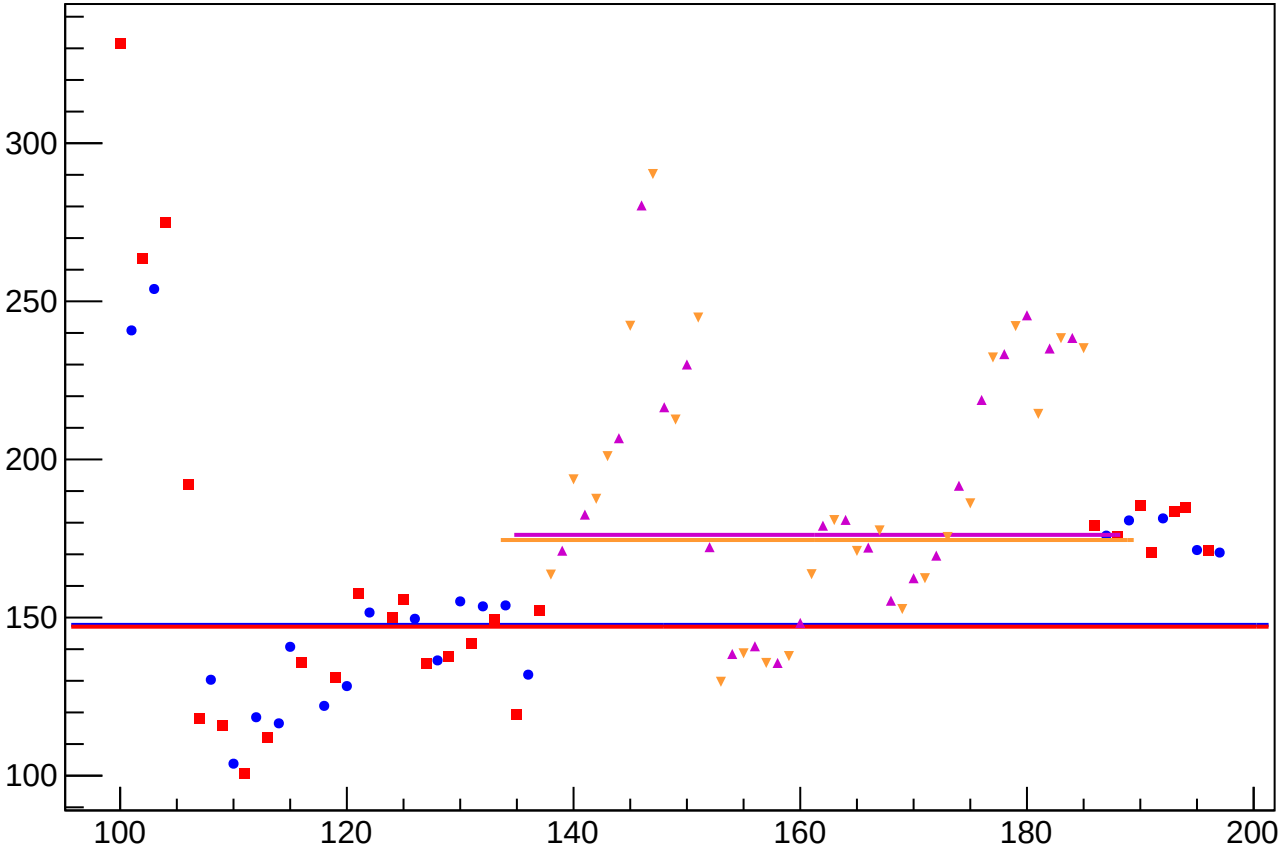
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 833.776+/-30.889 χ^2/NDF: 149534.0/45

All: 1492.691+/-21.782 χ^2/NDF: 338797.4/94

- sign 2144.419+/-30.720 χ^2/NDF: 188358.3/48

asym_bpm0i02WS_rms vs Slug



Right In: 147.685+/-0.033 χ^2/NDF: 887383.4/20

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 147.116+/-0.031 χ^2/NDF: 1277148.9/25

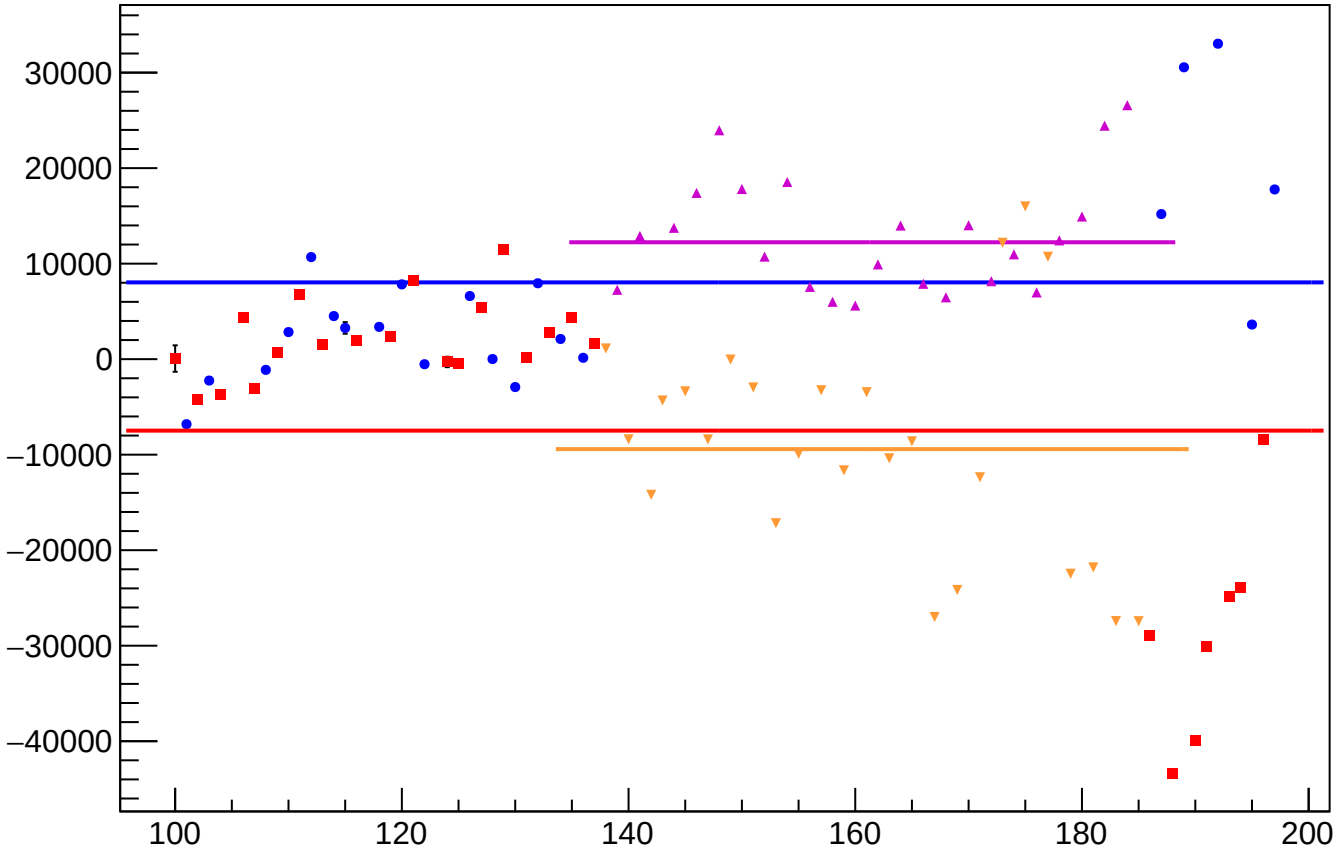
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.984+/-0.022 χ^2/NDF: 2916811.2/45

All: 162.609+/-0.015 χ^2/NDF: 6007608.4/94

- sign 162.237+/-0.022 χ^2/NDF: 3090209.6/48

asym_bpm0i02aWS_mean vs Slug



Right In: 8038.293+/-56.385 χ^2/NDF: 35756.9/20

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -7481.989+/-52.466 χ^2/NDF: 97546.8/25

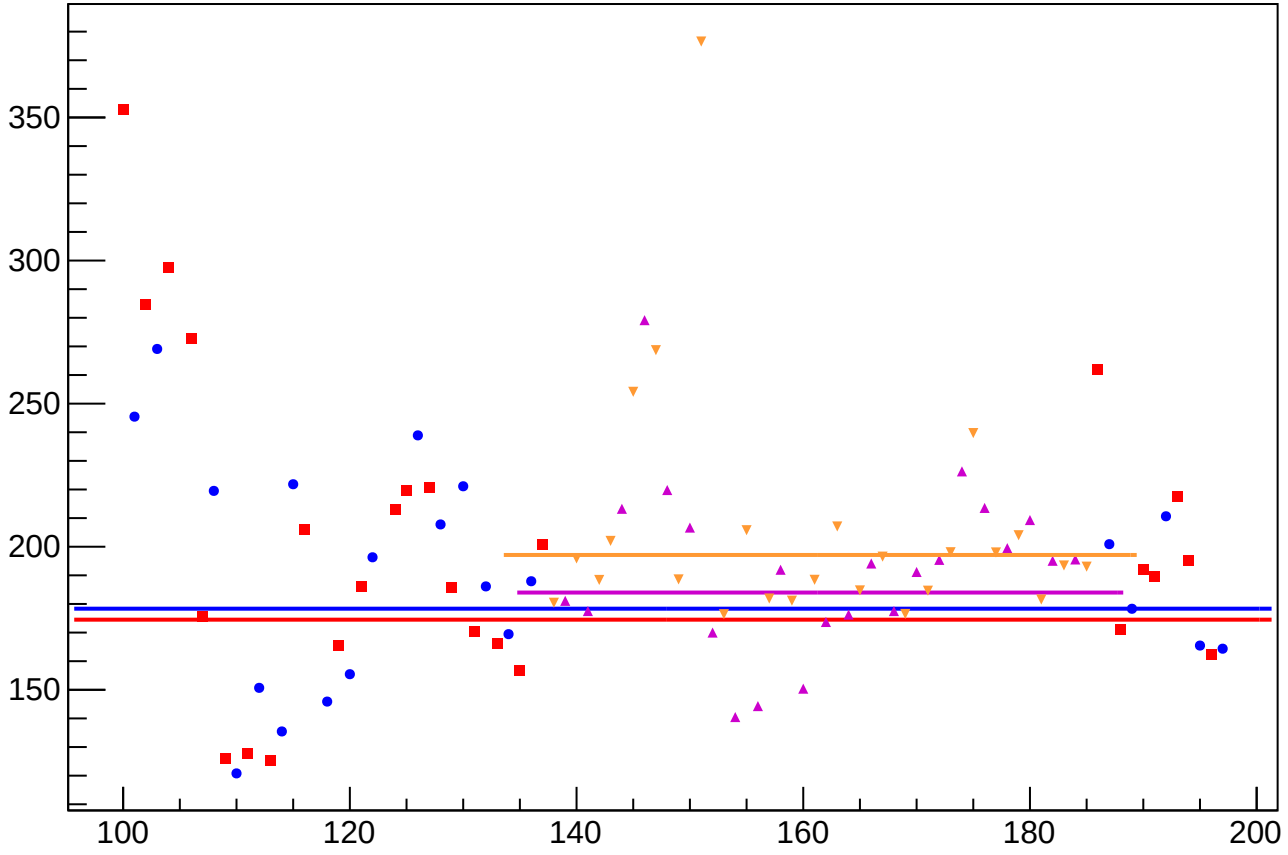
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -2498.836+/-35.502 χ^2/NDF: 158339.4/45

All: 938.058+/-24.480 χ^2/NDF: 372411.5/94

- sign 4053.489+/-33.801 χ^2/NDF: 196205.1/48

asym_bpm0i02aWS_rms vs Slug



Right In: 178.348+/-0.040 χ^2/NDF: 747530.6/20

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.510+/-0.037 χ^2/NDF: 1187057.2/25

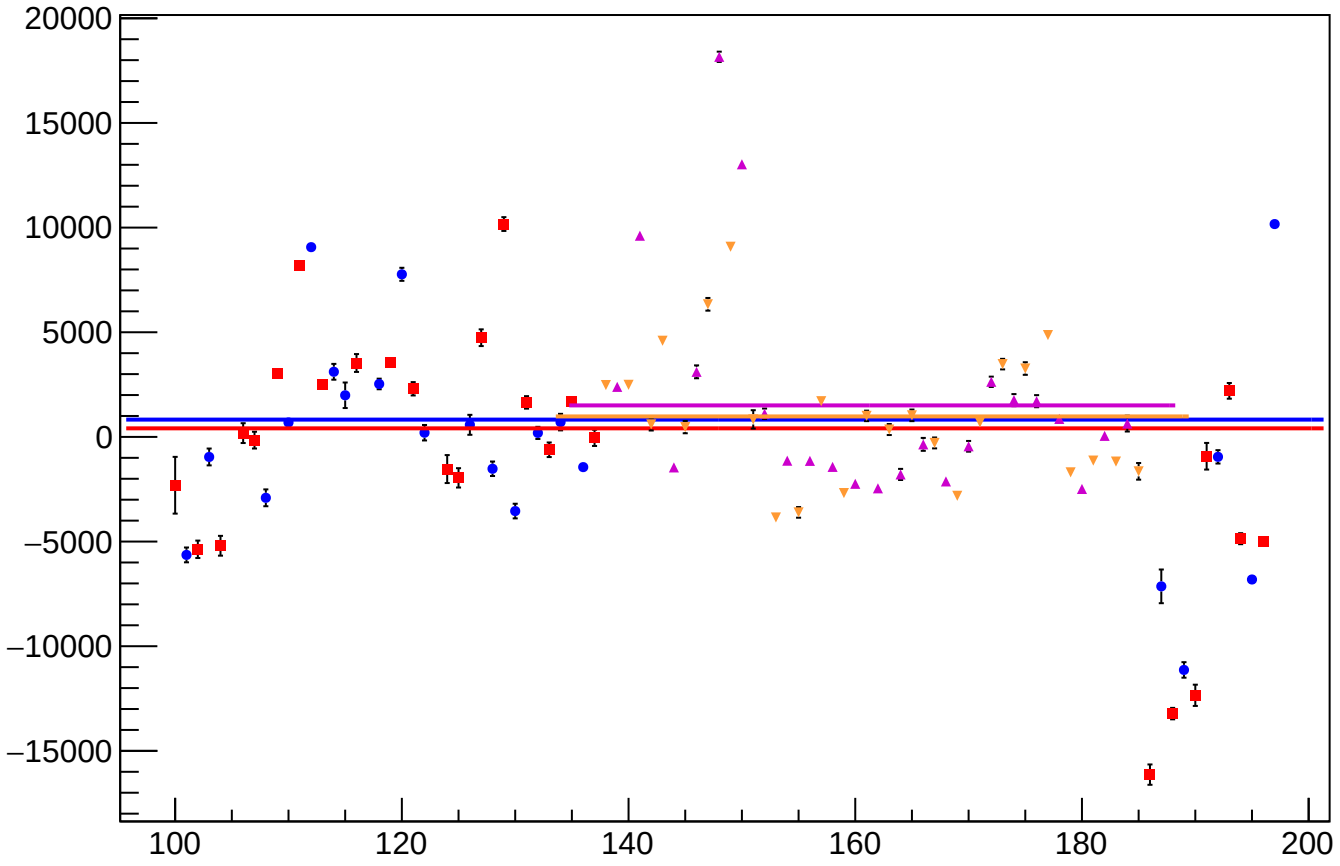
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 189.679+/-0.025 χ^2/NDF: 1613887.5/45

All: 184.630+/-0.017 χ^2/NDF: 3746022.3/94

- sign 180.052+/-0.024 χ^2/NDF: 2054996.5/48

asym_bpm0i05WS_mean vs Slug



Right In: 826.721+/-63.858 χ^2/NDF: 7746.2/20

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 408.858+/-59.674 χ^2/NDF: 9155.8/25

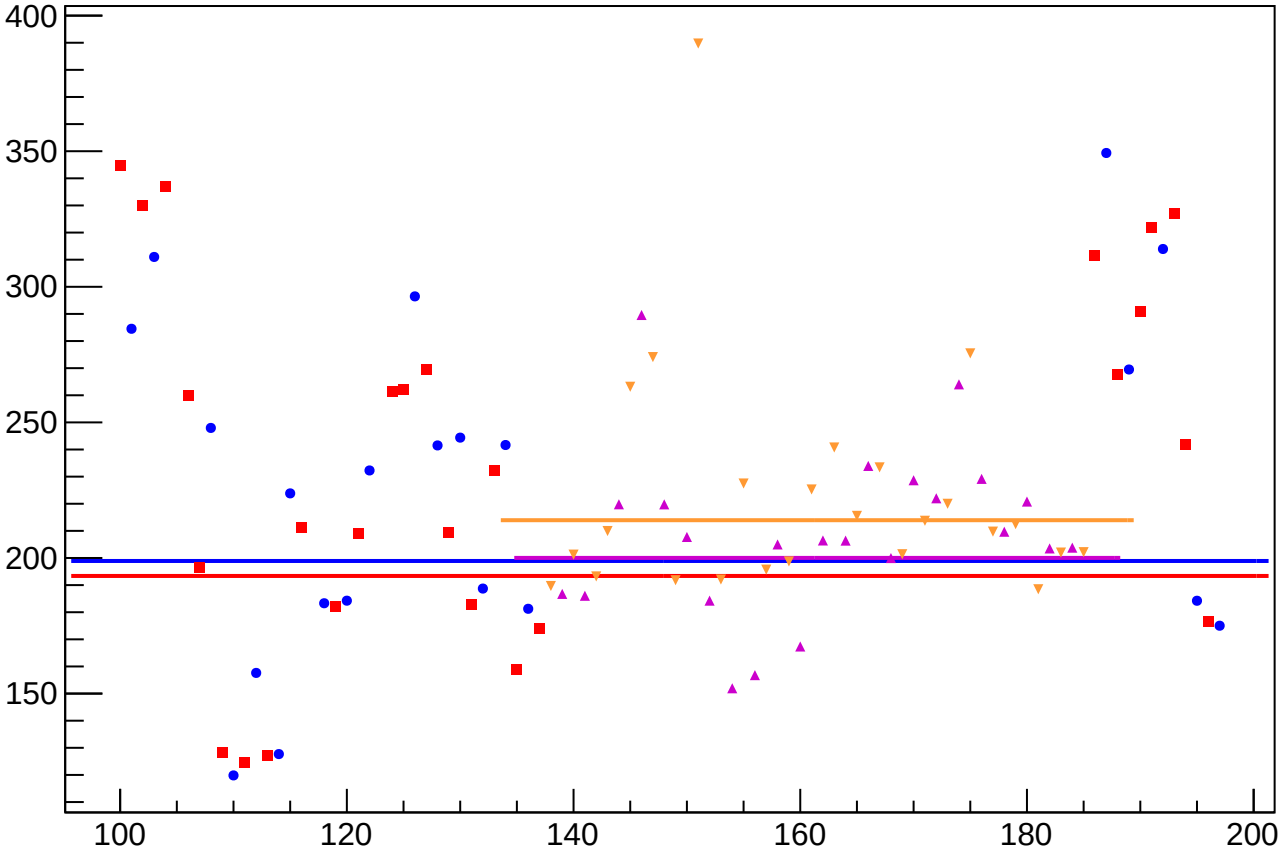
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 921.333+/-39.175 χ^2/NDF: 12072.6/45

All: 1001.096+/-27.061 χ^2/NDF: 32921.7/94

- sign 1073.895+/-37.426 χ^2/NDF: 20841.2/48

asym_bpm0i05WS_rms vs Slug



Right In: 198.899+/-0.045 χ^2/NDF: 1418534.5/20

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

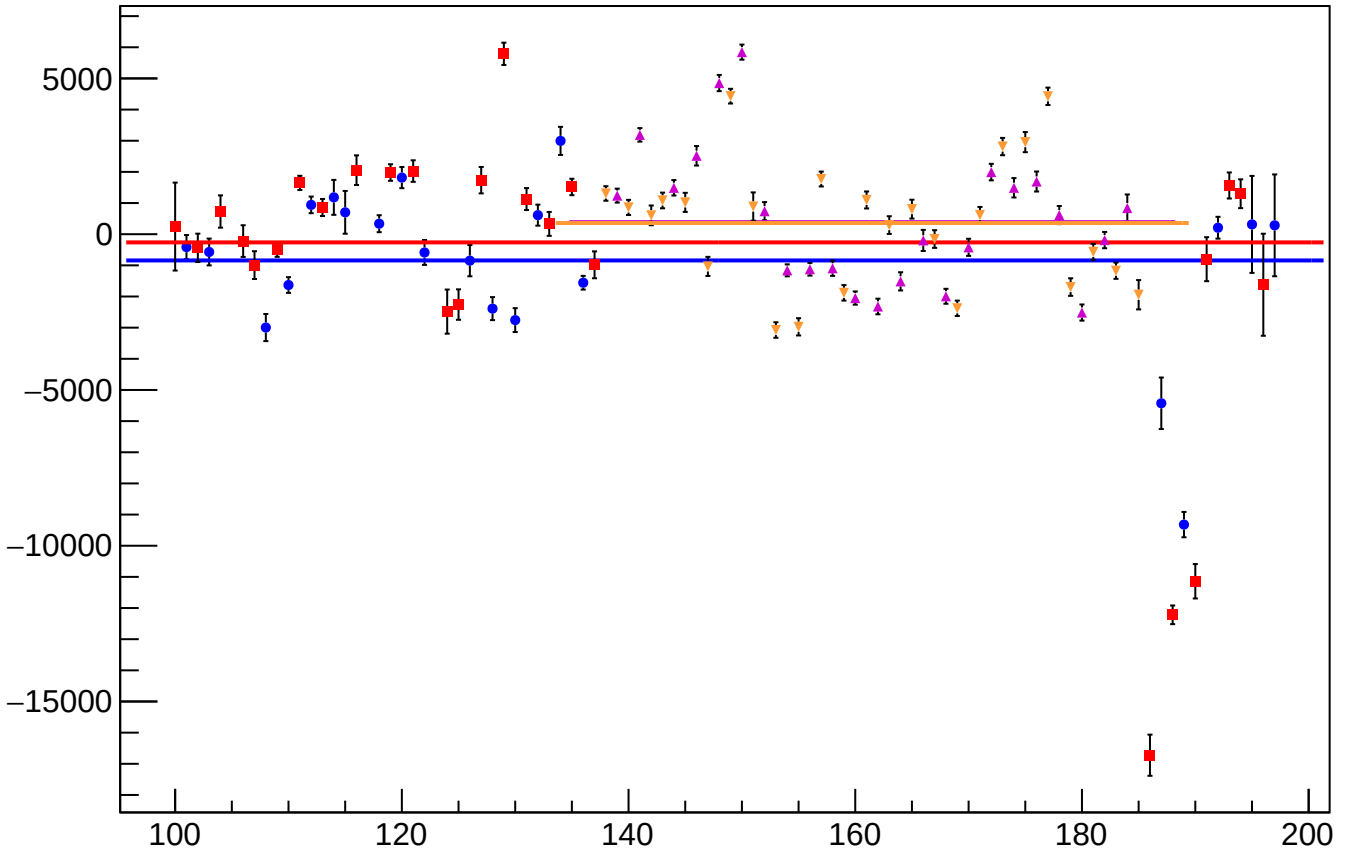
Right Out: 193.374+/-0.042 χ^2/NDF: 2227333.2/25

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.274+/-0.028 χ^2/NDF: 2221293.3/45

All: 202.595+/-0.019 χ^2/NDF: 5329621.7/94

- sign 197.412+/-0.026 χ^2/NDF: 3027954.0/48



Right In: -842.754+/-81.782 χ^2/NDF: 797.3/20

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -263.228+/-74.103 χ^2/NDF: 3268.7/25

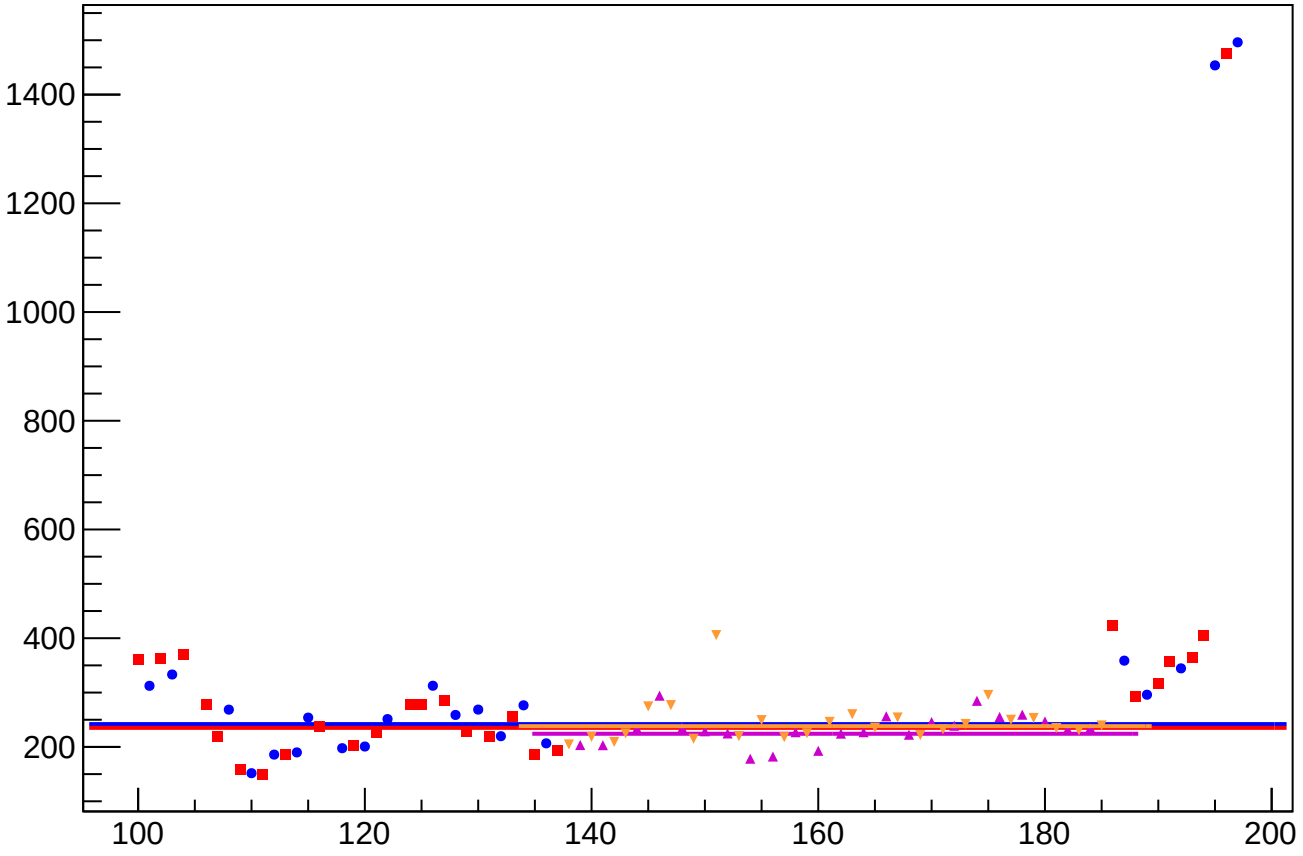
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.403+/-45.634 χ^2/NDF: 2364.8/45

All: 78.821+/-31.445 χ^2/NDF: 7496.4/94

- sign 164.012+/-43.392 χ^2/NDF: 5123.5/48

asym_bpm0i07WS_rms vs Slug



Right In: 241.987+/-0.058 χ^2/NDF: 3369901.5/20

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 235.101+/-0.052 χ^2/NDF: 3050816.2/25

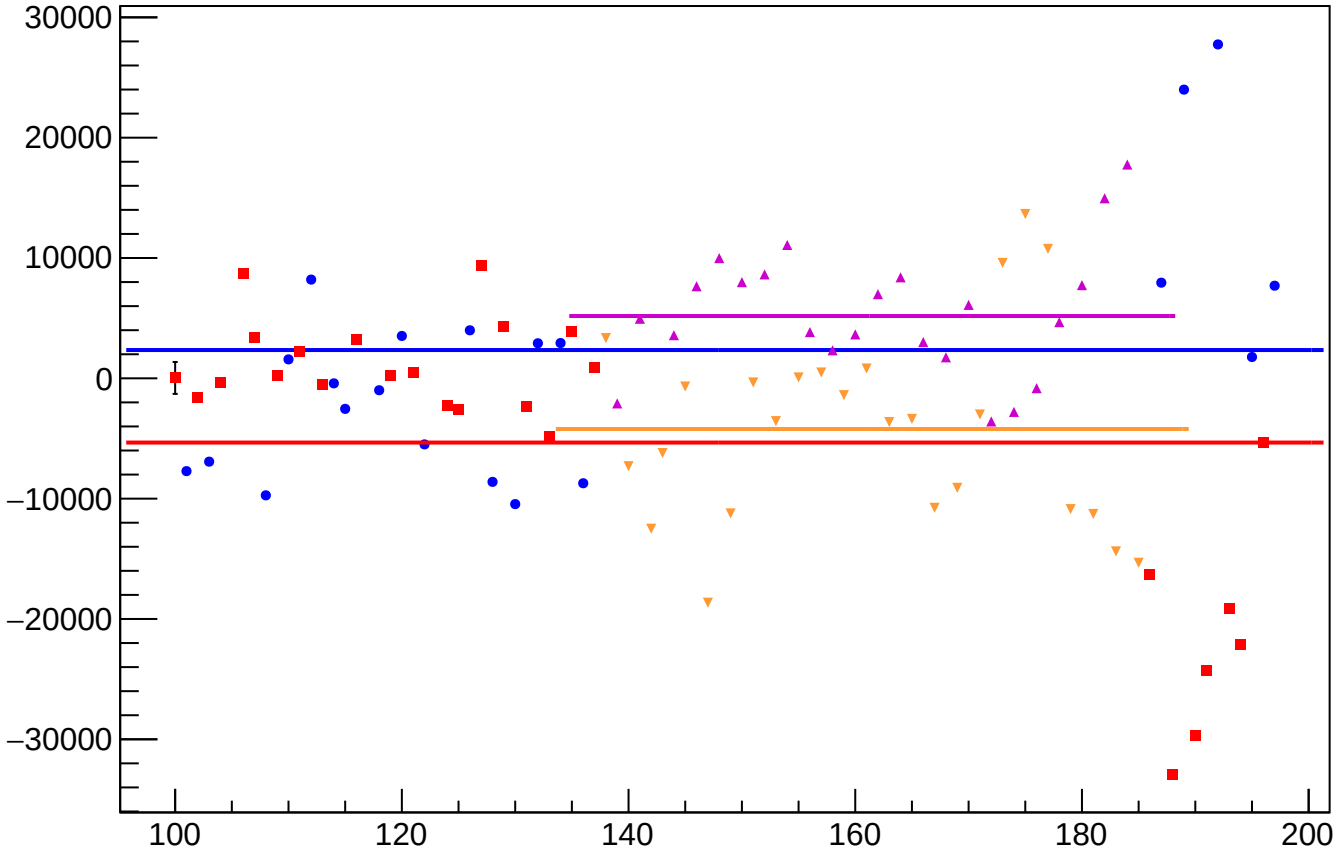
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 239.379+/-0.032 χ^2/NDF: 3940791.3/45

All: 233.374+/-0.022 χ^2/NDF: 7649145.4/94

- sign 227.945+/-0.031 χ^2/NDF: 3642423.8/48

asym_bpm1i02WS_mean vs Slug



Right In: 2350.580+/-40.014 χ^2/NDF: 69729.7/20

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5337.653+/-37.419 χ^2/NDF: 101168.5/25

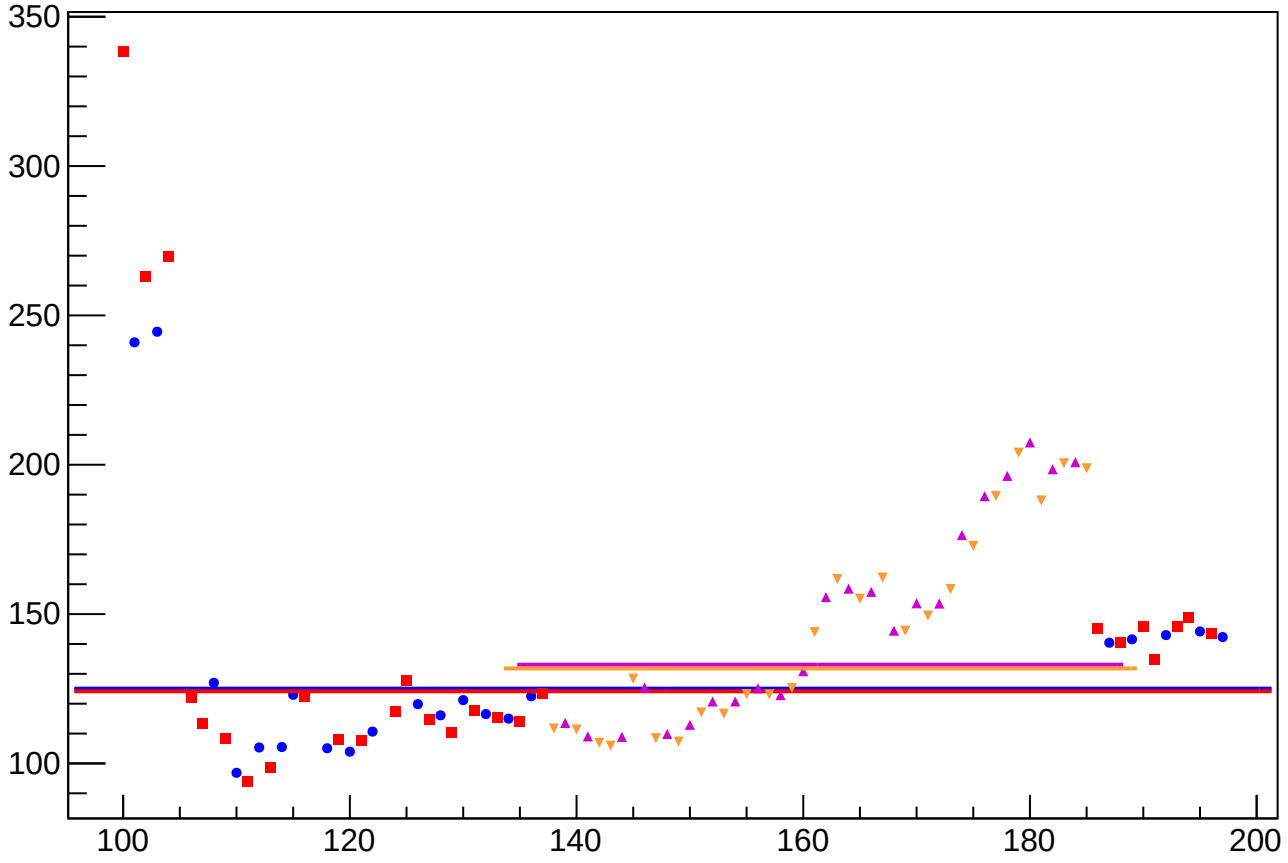
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1766.730+/-24.421 χ^2/NDF: 143404.2/45

All: -506.905+/-17.228 χ^2/NDF: 314065.5/94

- sign 741.100+/-24.306 χ^2/NDF: 165363.8/48

asym_bpm1i02WS_rms vs Slug



Right In: 125.032+/-0.028 χ^2/NDF: 876943.8/20

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 124.160+/-0.026 χ^2/NDF: 1110648.6/25

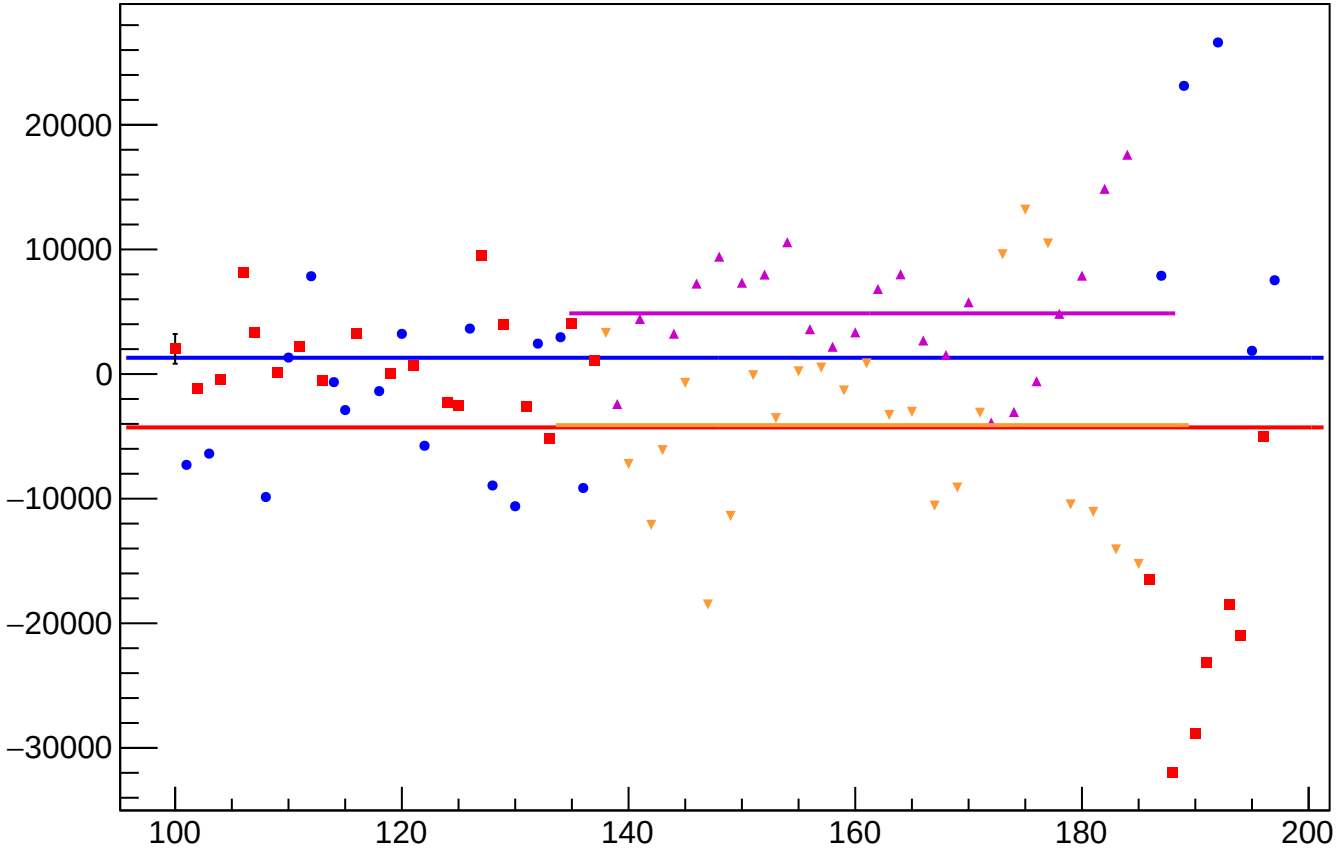
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 129.278+/-0.017 χ^2/NDF: 2457161.2/45

All: 129.291+/-0.012 χ^2/NDF: 5051491.0/94

- sign 129.305+/-0.017 χ^2/NDF: 2594328.5/48

asym_bpm2i01WS_mean vs Slug



Right In: 1307.197+/-35.941 χ^2/NDF: 75896.4/20

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4280.596+/-33.890 χ^2/NDF: 107101.4/25

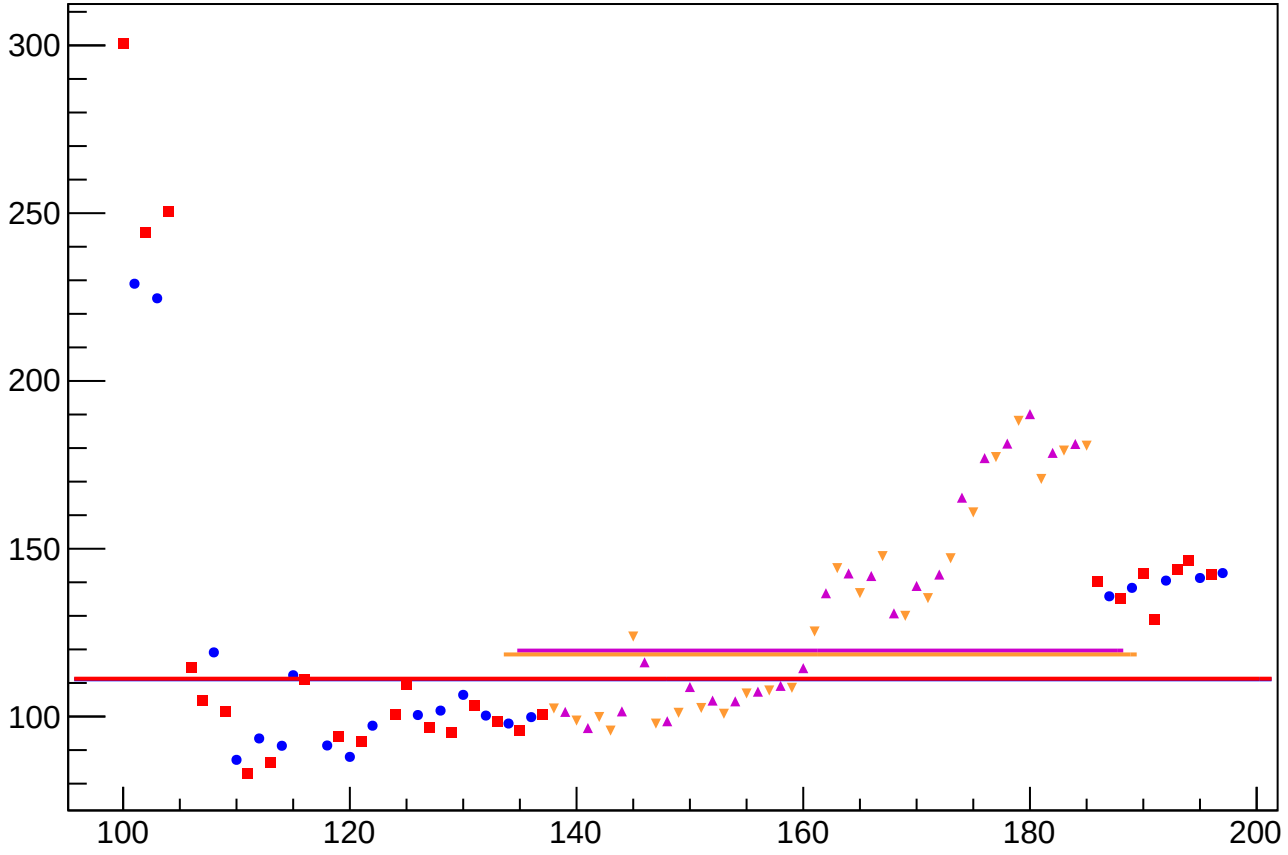
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -2077.862+/-21.976 χ^2/NDF: 156334.2/45

All: -521.473+/-15.530 χ^2/NDF: 337689.4/94

- sign 1031.268+/-21.950 χ^2/NDF: 171335.0/48

asym_bpm2i01WS_rms vs Slug



Right In: 111.095+/-0.025 χ^2/NDF: 1211028.6/20

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 111.272+/-0.024 χ^2/NDF: 1463845.3/25

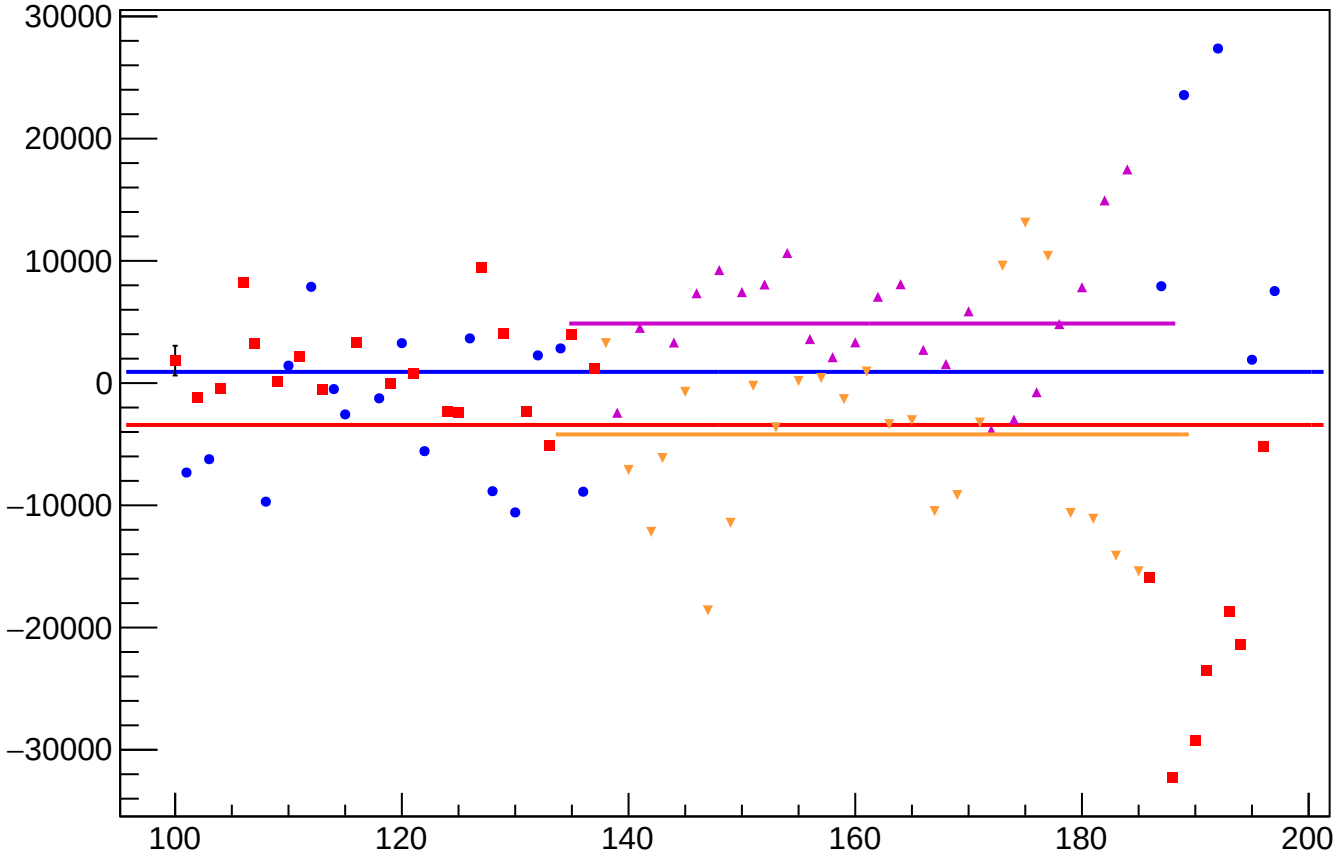
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 115.733+/-0.016 χ^2/NDF: 2891357.2/45

All: 115.933+/-0.011 χ^2/NDF: 5938774.2/94

- sign 116.133+/-0.016 χ^2/NDF: 3047085.0/48

asym_bpm2i02WS_mean vs Slug



Right In: 917.309+/-35.017 χ^2/NDF: 74185.8/20

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3423.474+/-33.157 χ^2/NDF: 100472.8/25

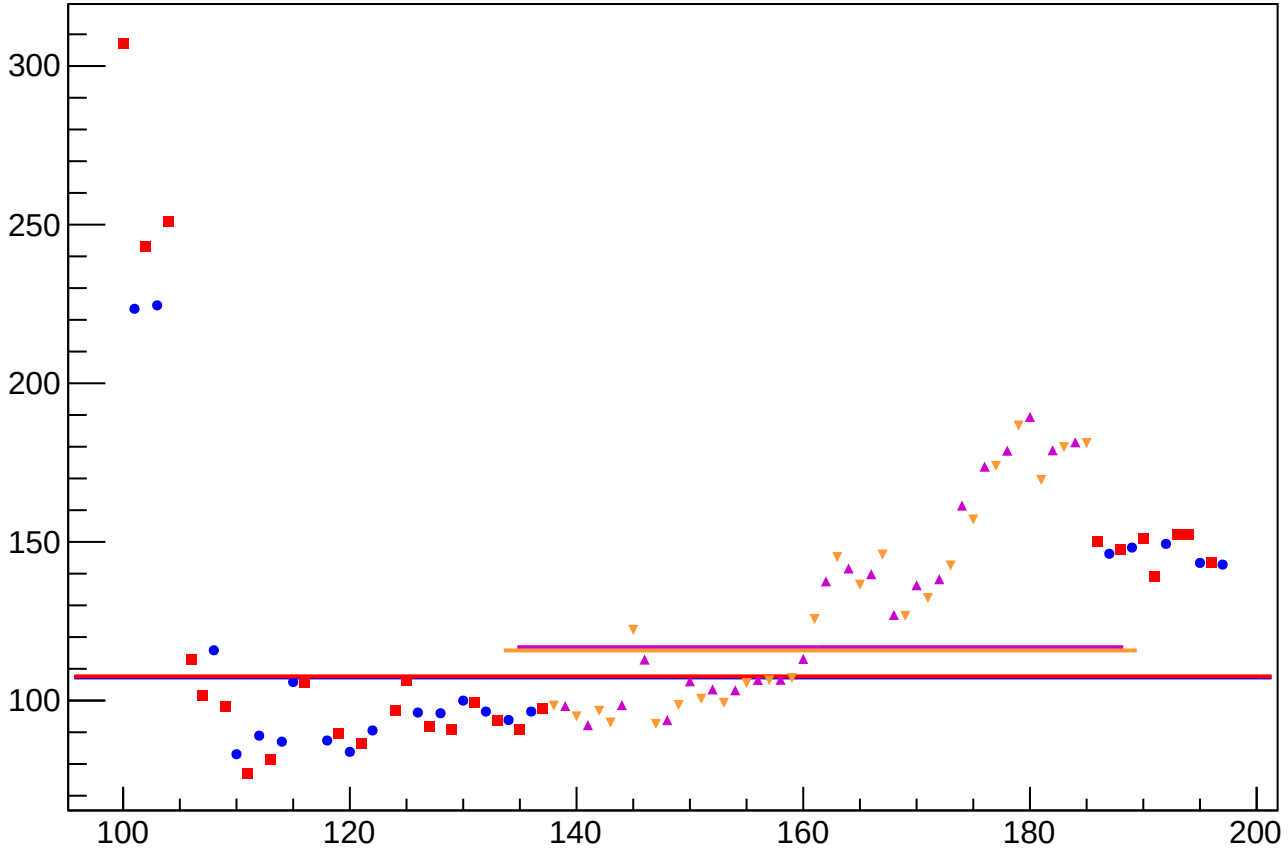
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -2271.738+/-21.486 χ^2/NDF: 157903.4/45

All: -440.133+/-15.191 χ^2/NDF: 332161.6/94

- sign 1390.666+/-21.481 χ^2/NDF: 159727.6/48

asym_bpm2i02WS_rms vs Slug



Right In: 107.286+/-0.025 χ^2/NDF: 1456868.4/20

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 107.612+/-0.023 χ^2/NDF: 1880382.2/25

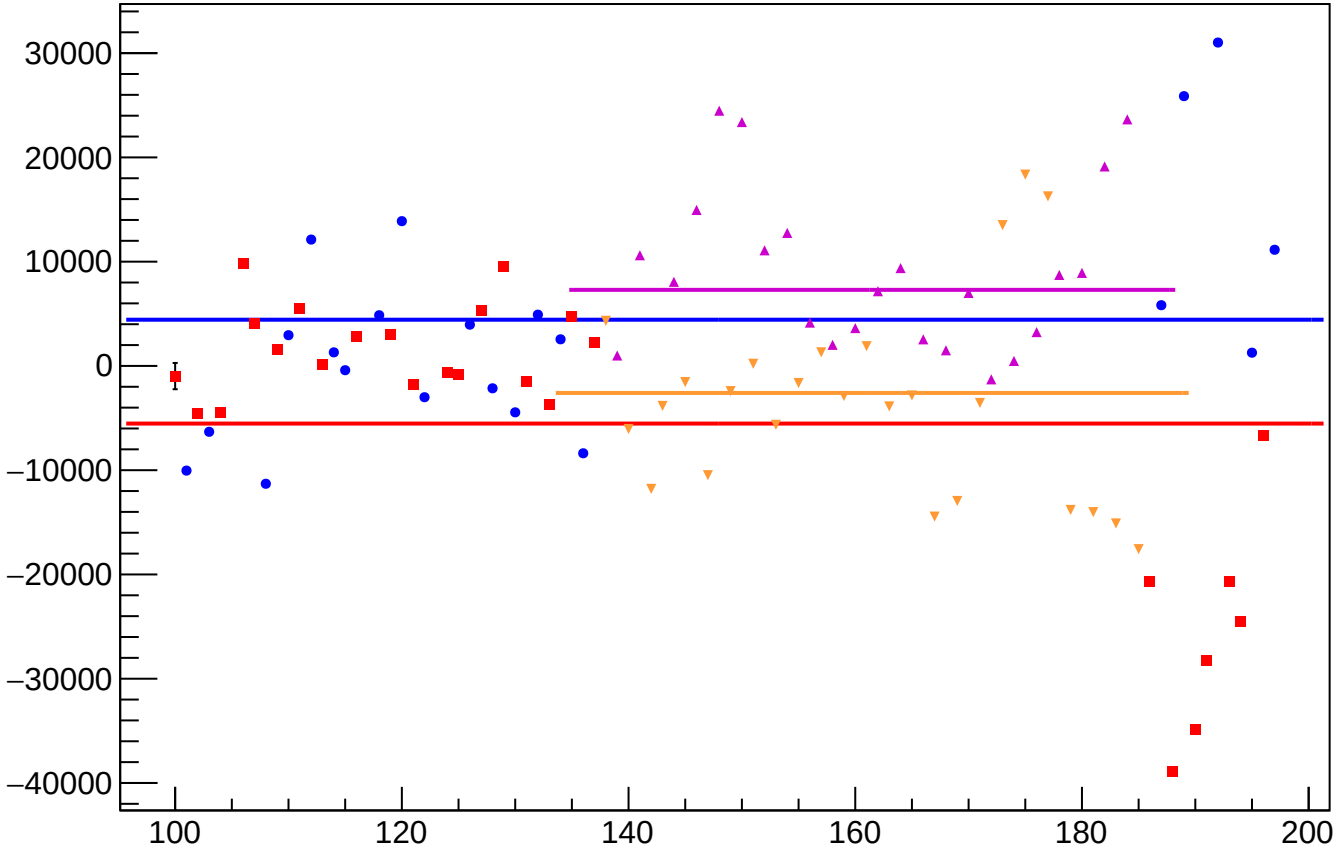
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 112.593+/-0.015 χ^2/NDF: 3279569.2/45

All: 112.771+/-0.011 χ^2/NDF: 6867153.9/94

- sign 112.948+/-0.015 χ^2/NDF: 3587311.7/48

asym_bpm0i01WS_mean vs Slug



Right In: 4432.479+/-47.586 χ^2/NDF: 55033.4/20

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5528.911+/-45.096 χ^2/NDF: 93407.6/25

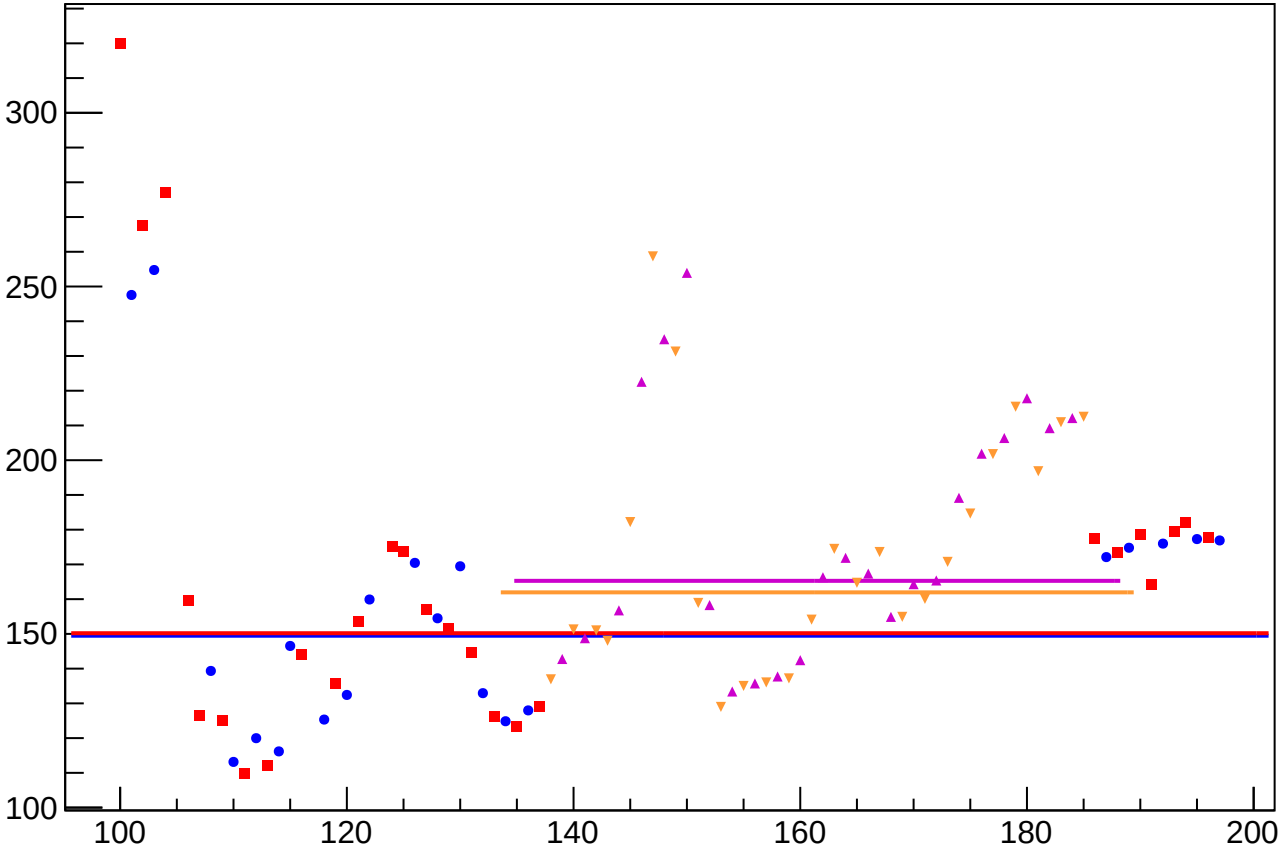
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 112.144+/-29.523 χ^2/NDF: 116428.9/45

All: 908.178+/-20.954 χ^2/NDF: 281736.2/94

- sign 1716.268+/-29.746 χ^2/NDF: 163842.3/48

asym_bpm0i01WS_rms vs Slug



Right In: 149.479+/-0.034 χ^2/NDF: 882312.2/20

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 150.196+/-0.032 χ^2/NDF: 1095346.5/25

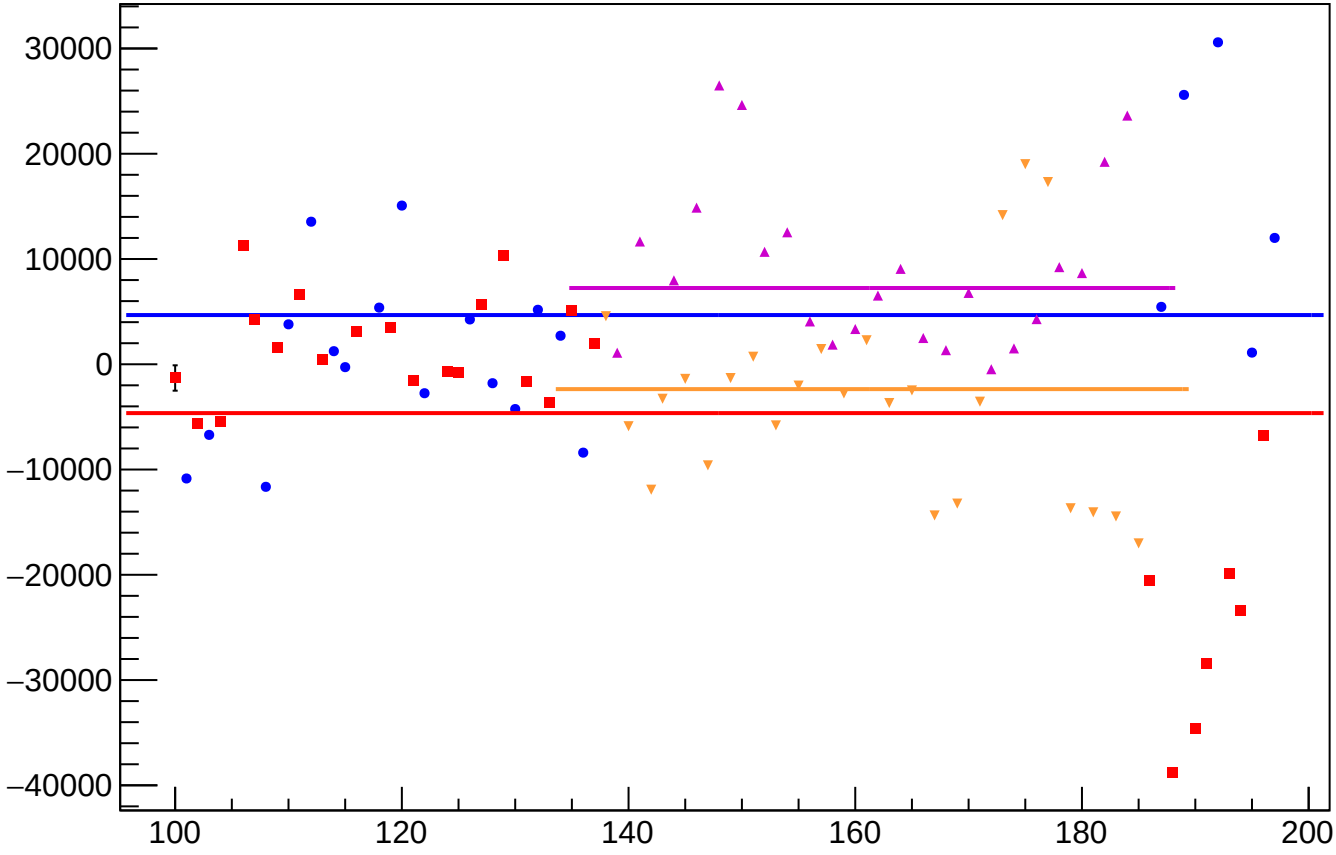
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 157.154+/-0.021 χ^2/NDF: 2111699.6/45

All: 157.928+/-0.015 χ^2/NDF: 4515190.4/94

- sign 158.713+/-0.021 χ^2/NDF: 2400724.5/48

asym_bpm0i01aWS_mean vs Slug



Right In: 4675.540+/-40.194 χ^2/NDF: 76264.0/20

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -4639.277+/-37.821 χ^2/NDF: 129228.5/25

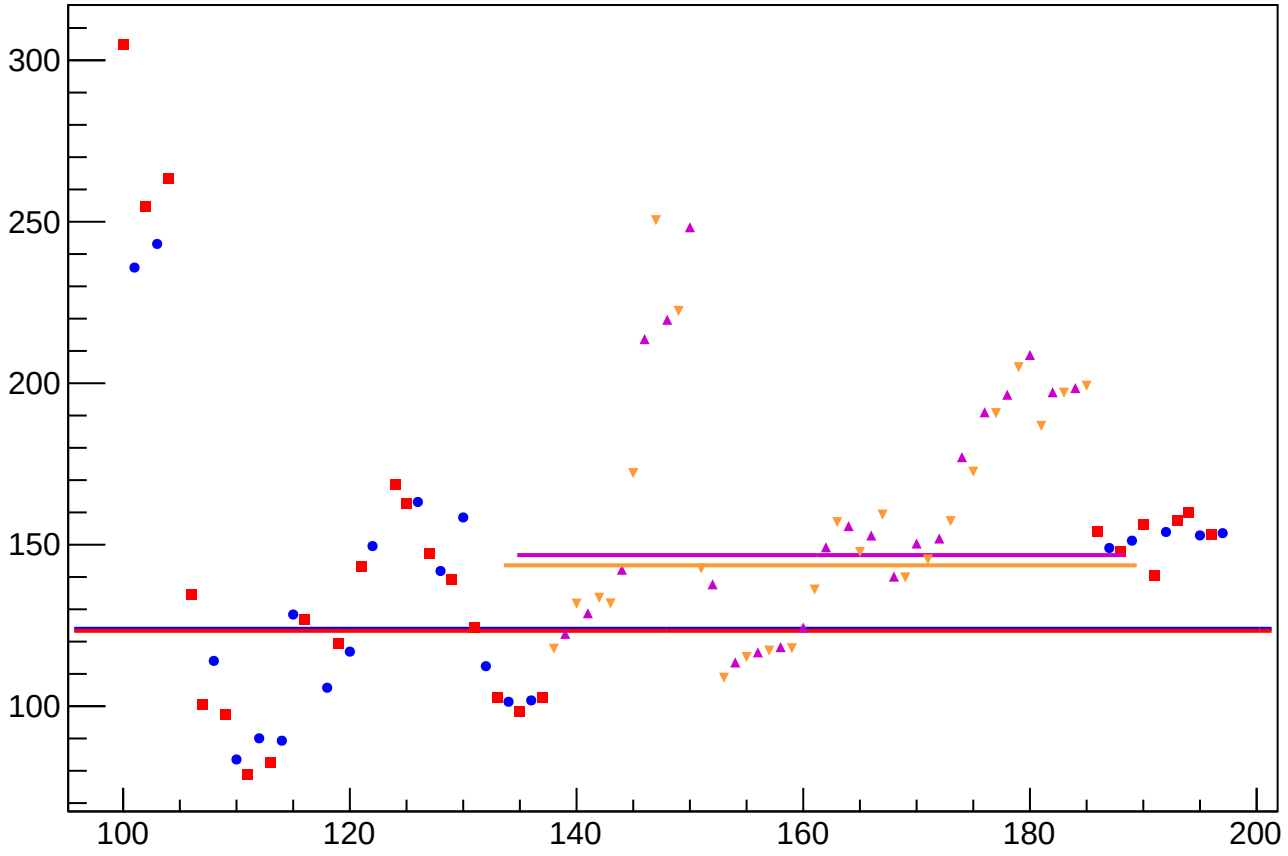
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 541.774+/-25.815 χ^2/NDF: 152834.5/45

All: 1108.020+/-18.279 χ^2/NDF: 365954.1/94

- sign 1677.416+/-25.887 χ^2/NDF: 212154.7/48

asym_bpm0i01aWS_rms vs Slug



Right In: 123.964+/-0.028 χ^2/NDF: 1429754.0/20

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 123.345+/-0.027 χ^2/NDF: 1806274.7/25

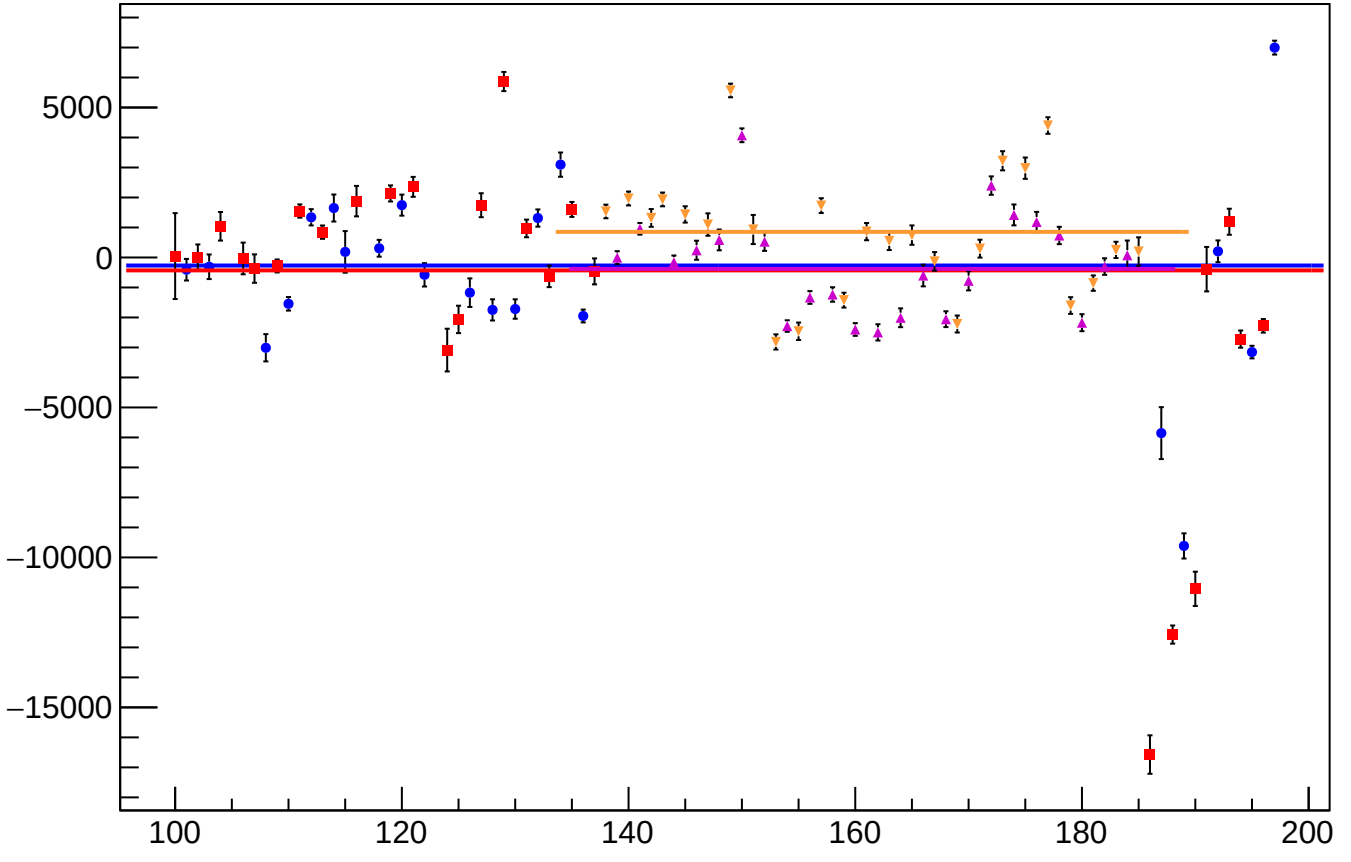
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 135.513+/-0.018 χ^2/NDF: 3373637.7/45

All: 135.660+/-0.013 χ^2/NDF: 7283157.1/94

- sign 135.809+/-0.018 χ^2/NDF: 3909388.7/48

asym_bpm0l01WS_mean vs Slug



Right In: -268.079+/-70.009 χ^2/NDF: 2070.4/20

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -429.918+/-66.452 χ^2/NDF: 3576.1/25

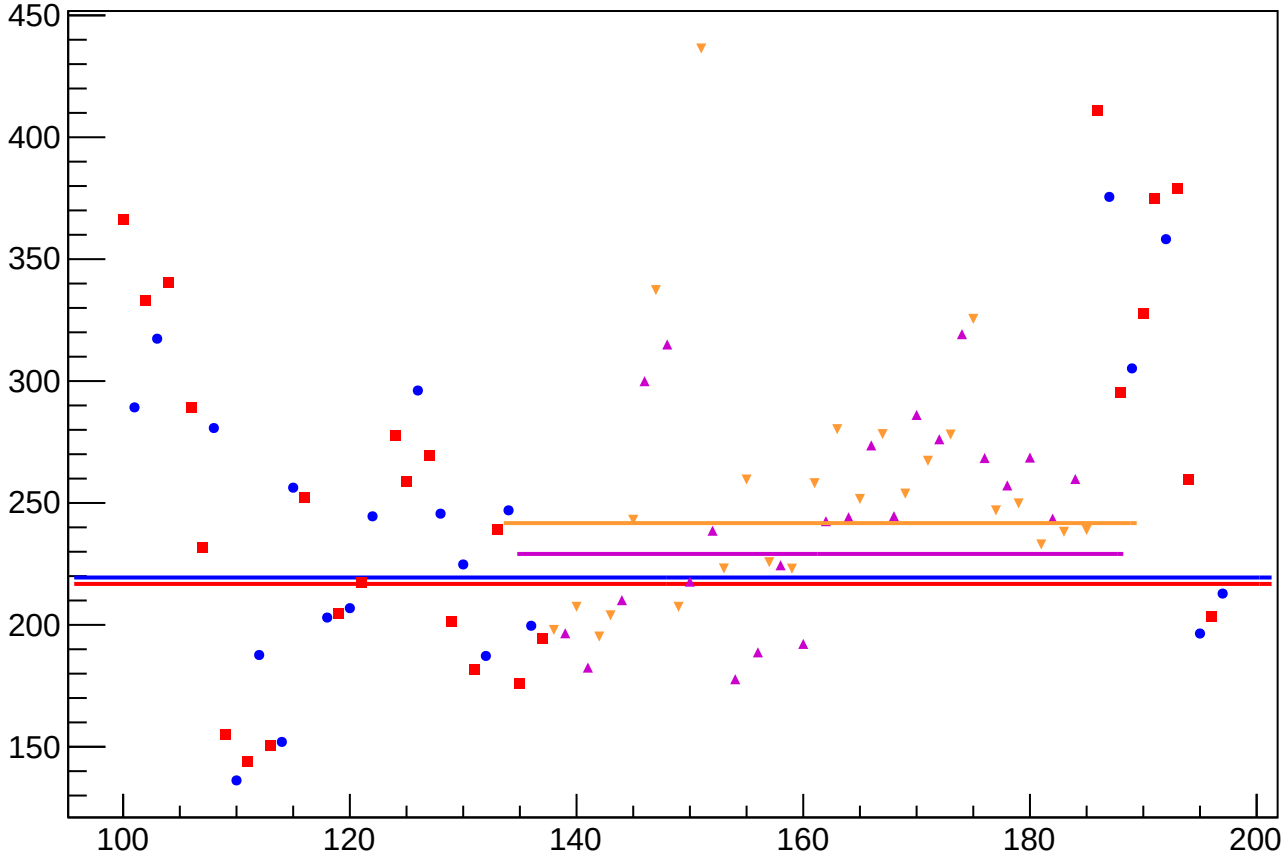
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 413.882+/-43.843 χ^2/NDF: 3670.4/45

All: -6.817+/-30.491 χ^2/NDF: 8407.5/94

- sign -400.865+/-42.432 χ^2/NDF: 4558.8/48

asym_bpm0l01WS_rms vs Slug



Right In: 219.431+/-0.050 χ^2/NDF: 1171043.5/20

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 216.799+/-0.047 χ^2/NDF: 1901080.5/25

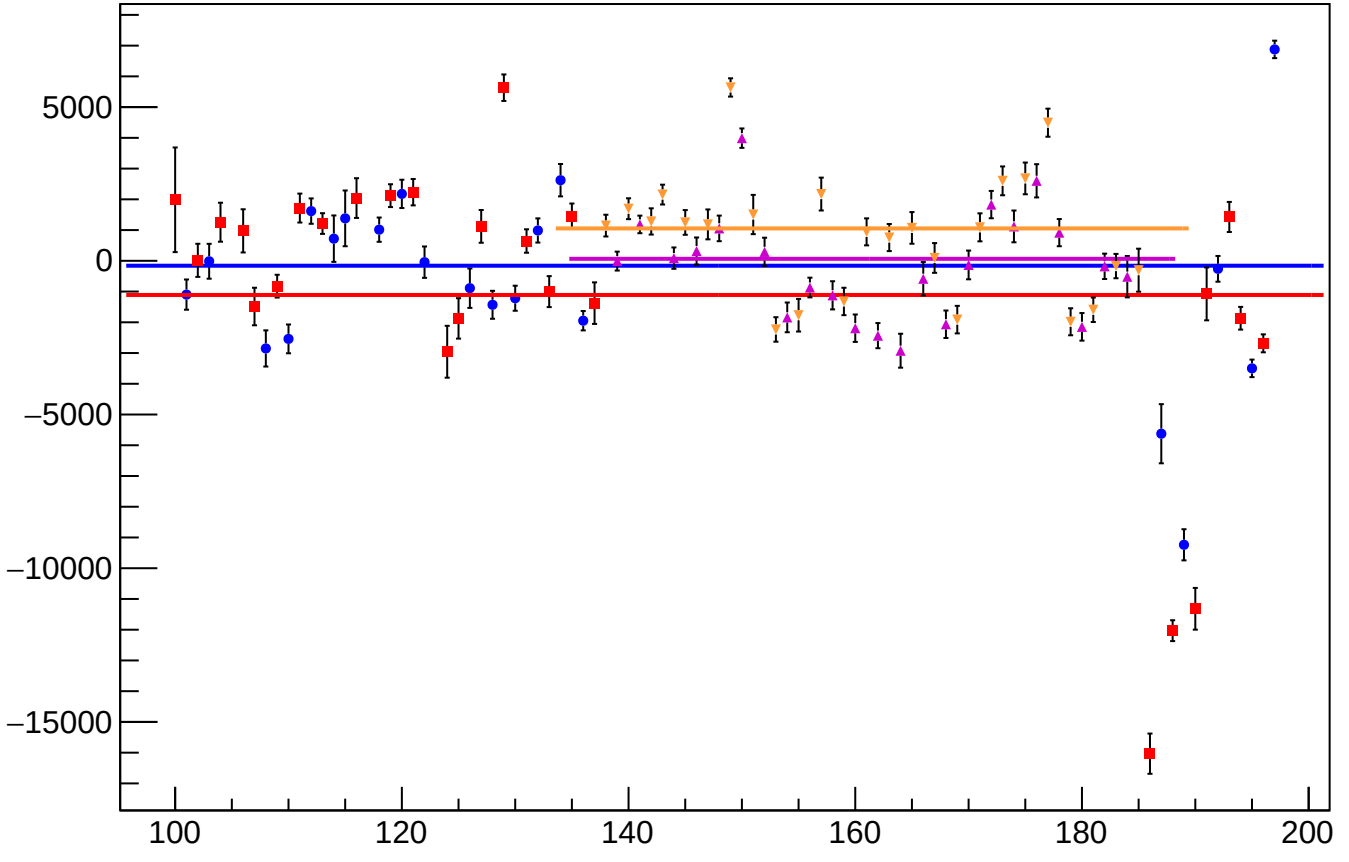
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.994+/-0.031 χ^2/NDF: 2280941.9/45

All: 228.395+/-0.022 χ^2/NDF: 5334222.2/94

- sign 224.087+/-0.030 χ^2/NDF: 3010653.2/48

asym_bpm0l02WS_mean vs Slug



Right In: -159.476+/-96.521 χ^2/NDF: 1296.3/20

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -1111.271+/-92.871 χ^2/NDF: 2446.6/25

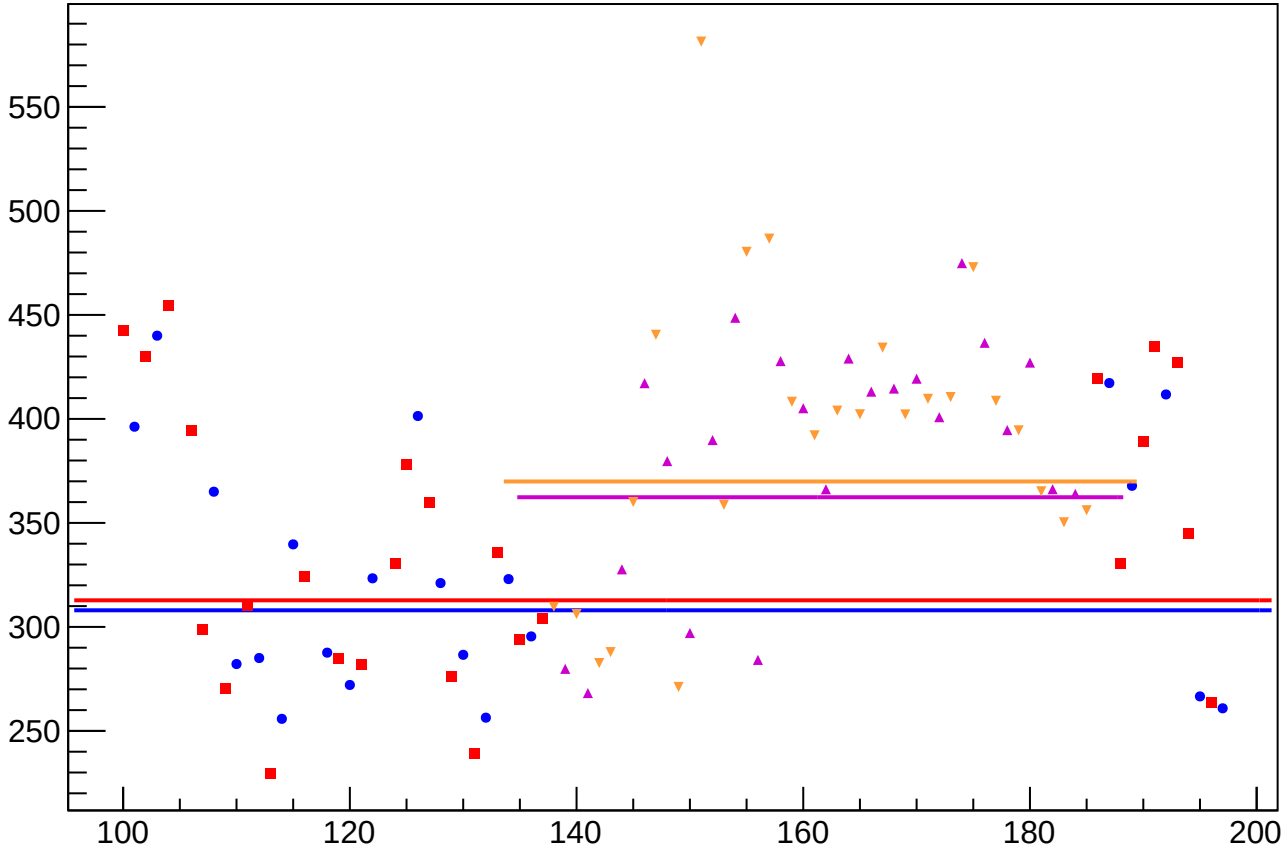
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 517.346+/-64.166 χ^2/NDF: 1999.0/45

All: 11.008+/-45.085 χ^2/NDF: 5048.8/94

- sign -482.680+/-63.360 χ^2/NDF: 2926.7/48

asym_bpm0l02WS_rms vs Slug



Right In: 307.989+/-0.068 χ^2/NDF: 597766.1/20

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 312.784+/-0.066 χ^2/NDF: 845322.1/25

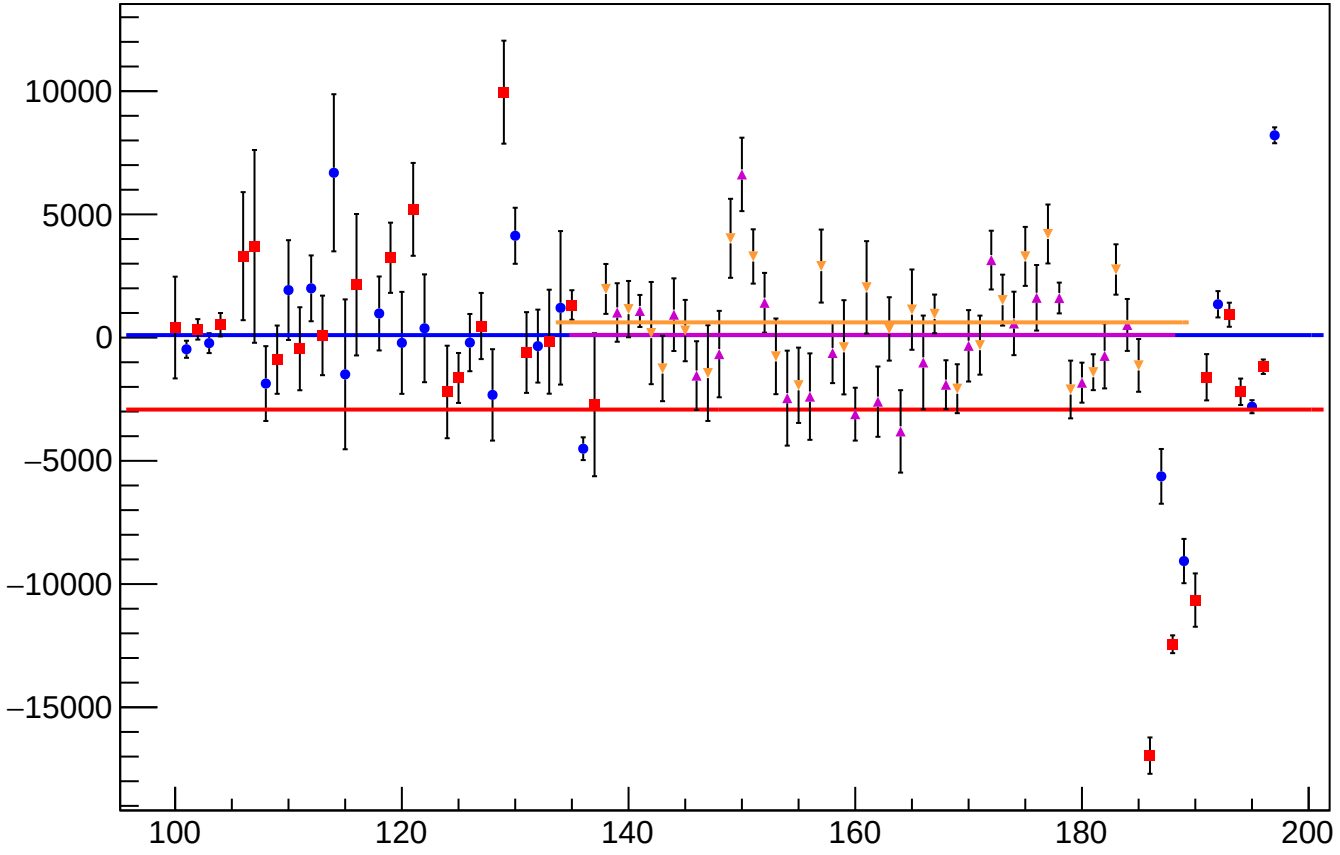
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

\+ sign 342.551+/-0.045 χ^2/NDF: 2287615.9/45

All: 340.892+/-0.032 χ^2/NDF: 4493394.5/94

\- sign 339.275+/-0.045 χ^2/NDF: 2203138.2/48

asym_bpm0l03WS_mean vs Slug



Right In: 101.569+/-137.042 χ^2/NDF: 1013.3/20

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -2919.273+/-142.604 χ^2/NDF: 1482.1/25

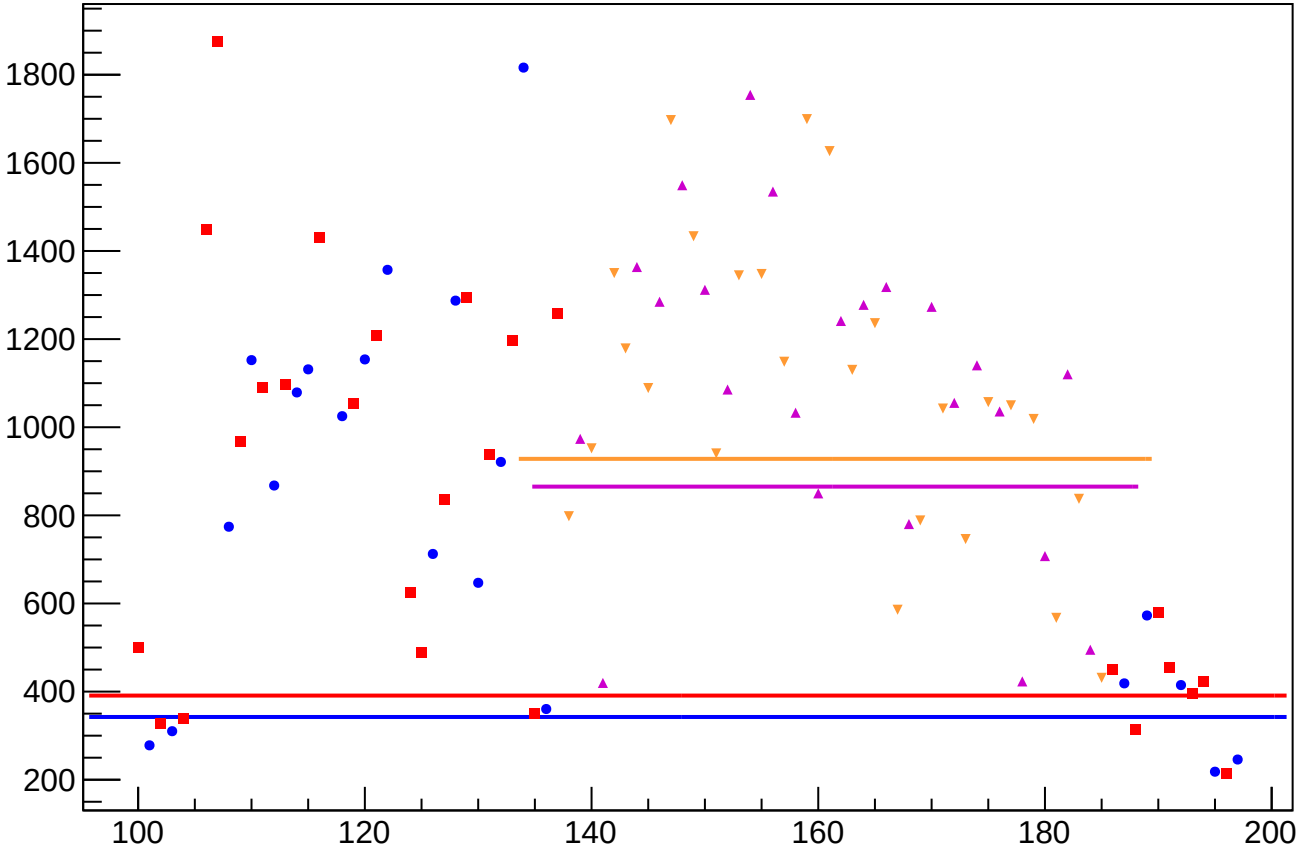
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 230.171+/-118.780 χ^2/NDF: 1082.6/45

All: -909.750+/-85.208 χ^2/NDF: 2945.5/94

- sign -2118.298+/-122.303 χ^2/NDF: 1673.1/48

asym_bpm0l03WS_rms vs Slug



Right In: 342.413+/-0.097 χ^2/NDF: 4684426.7/20

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 390.982+/-0.101 χ^2/NDF: 5097673.8/25

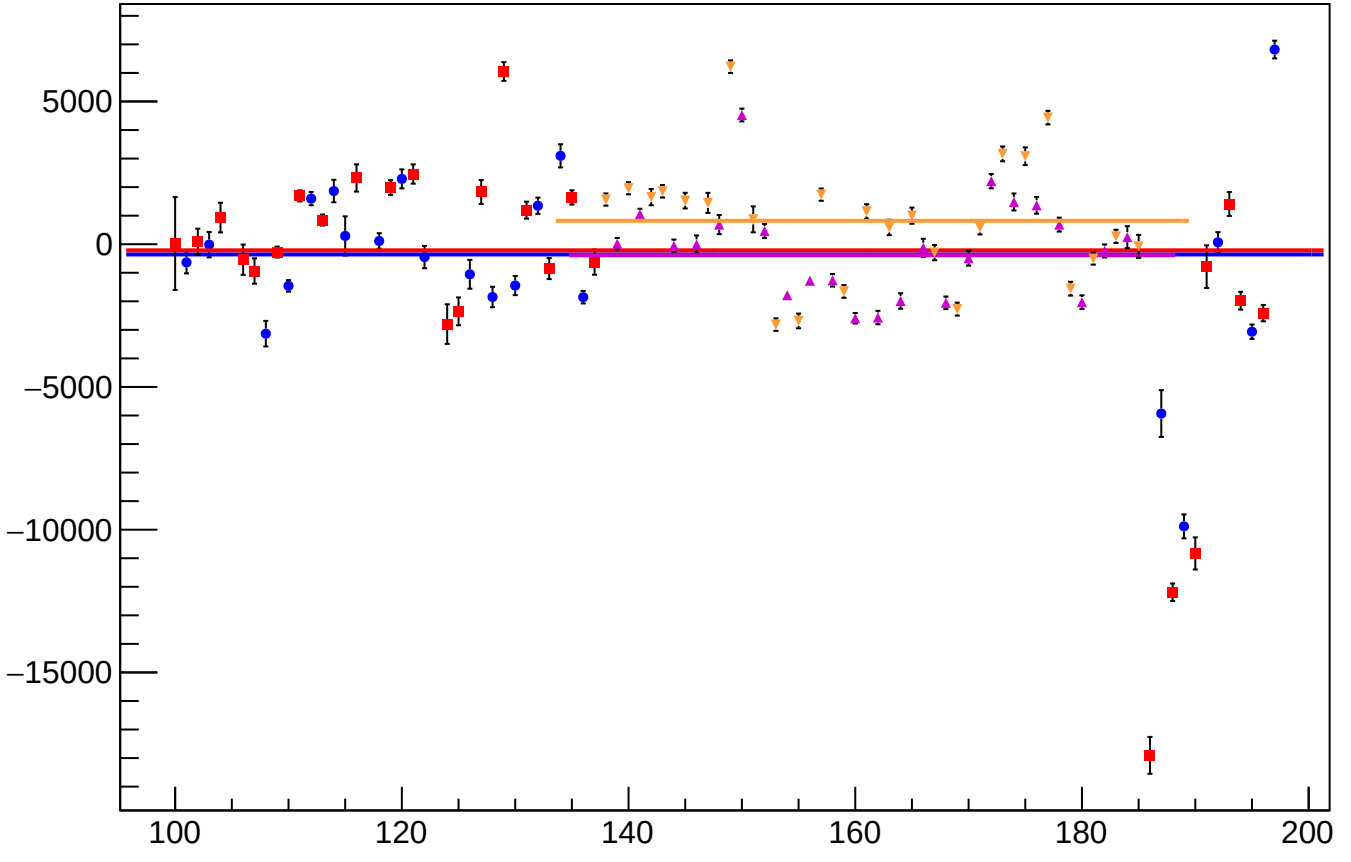
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 488.144+/-0.084 χ^2/NDF: 17070848.7/45

All: 501.858+/-0.060 χ^2/NDF: 32865566.7/94

- sign 516.397+/-0.086 χ^2/NDF: 15739793.5/48

asym_bpm0l04WS_mean vs Slug



Right In: -358.643+/-71.054 χ^2/NDF: 1637.4/20

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -213.690+/-65.448 χ^2/NDF: 3541.6/25

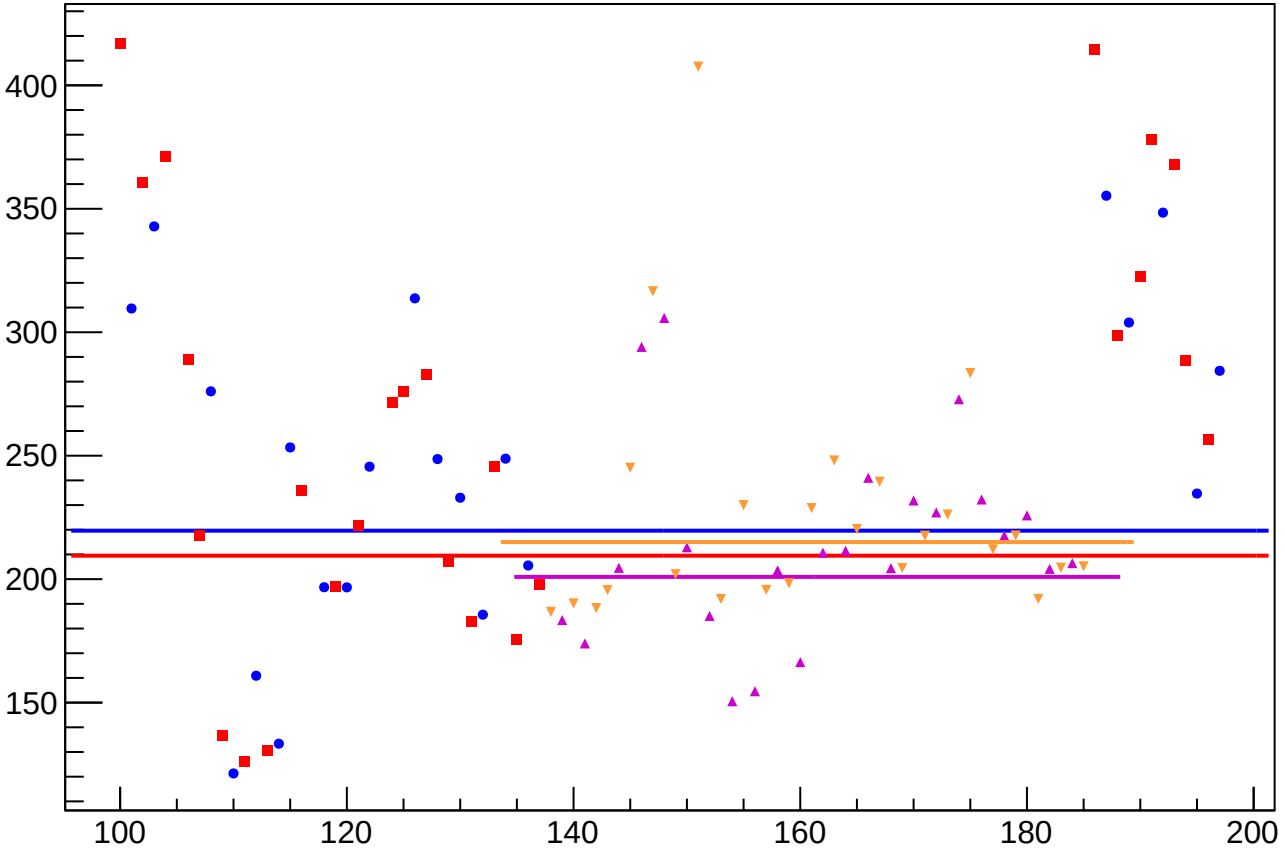
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 430.243+/-40.889 χ^2/NDF: 3812.5/45

All: 34.572+/-28.200 χ^2/NDF: 8790.4/94

- sign -324.348+/-38.943 χ^2/NDF: 4799.3/48

asym_bpm0l04WS_rms vs Slug



Right In: 219.634+/-0.050 χ^2/NDF: 1653528.0/20

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 209.511+/-0.046 χ^2/NDF: 2705011.6/25

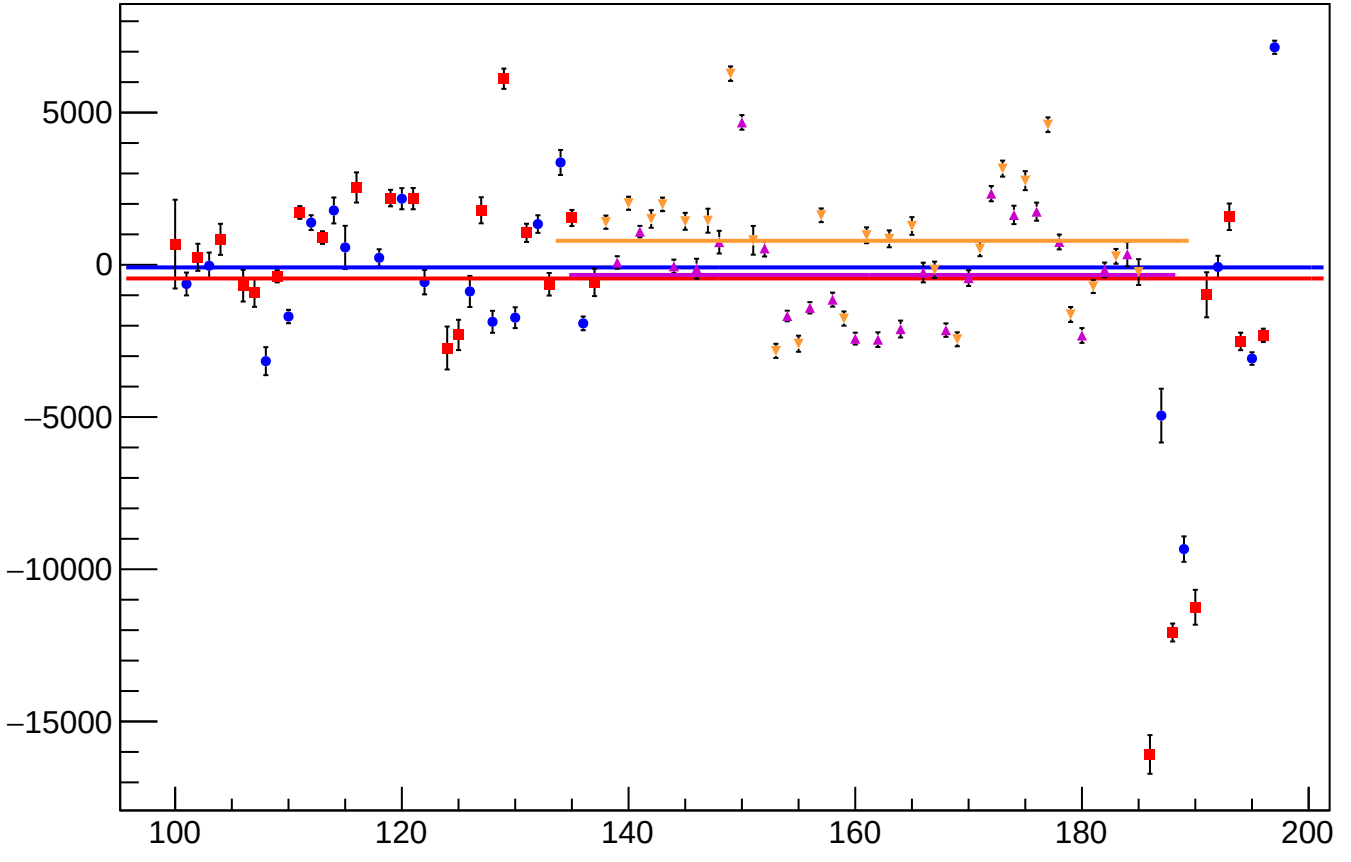
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 216.552+/-0.029 χ^2/NDF: 2556943.6/45

All: 209.949+/-0.020 χ^2/NDF: 6489542.9/94

- sign 203.960+/-0.028 χ^2/NDF: 3833129.2/48

asym_bpm0l05WS_mean vs Slug



Right In: -85.518+/-69.656 χ^2/NDF: 2254.6/20

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -448.549+/-65.847 χ^2/NDF: 3534.6/25

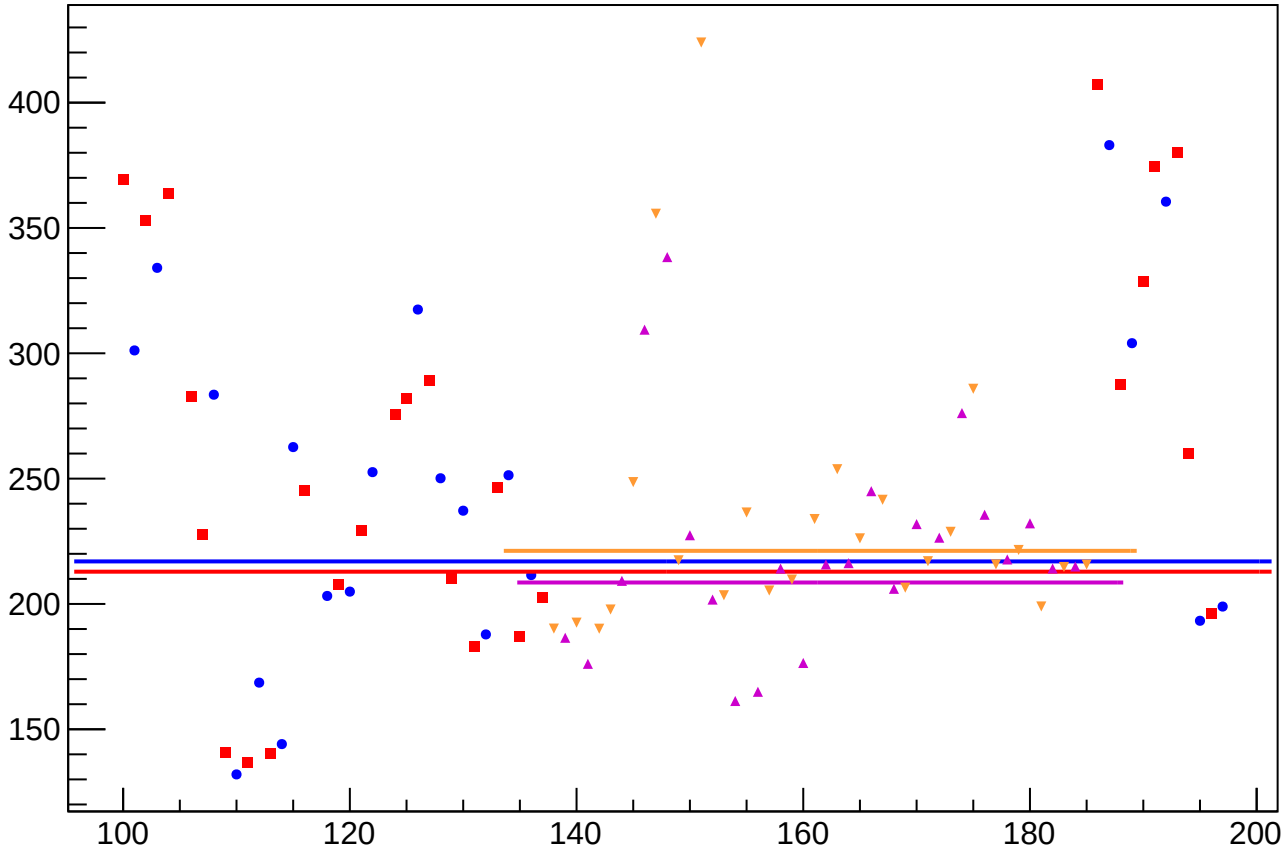
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 479.926+/-41.371 χ^2/NDF: 4246.6/45

All: 36.851+/-28.727 χ^2/NDF: 9219.8/94

- sign -375.658+/-39.919 χ^2/NDF: 4751.7/48

asym_bpm0l05WS_rms vs Slug



Right In: 216.971+/-0.049 χ^2/NDF: 1398058.8/20

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 212.873+/-0.047 χ^2/NDF: 2247011.9/25

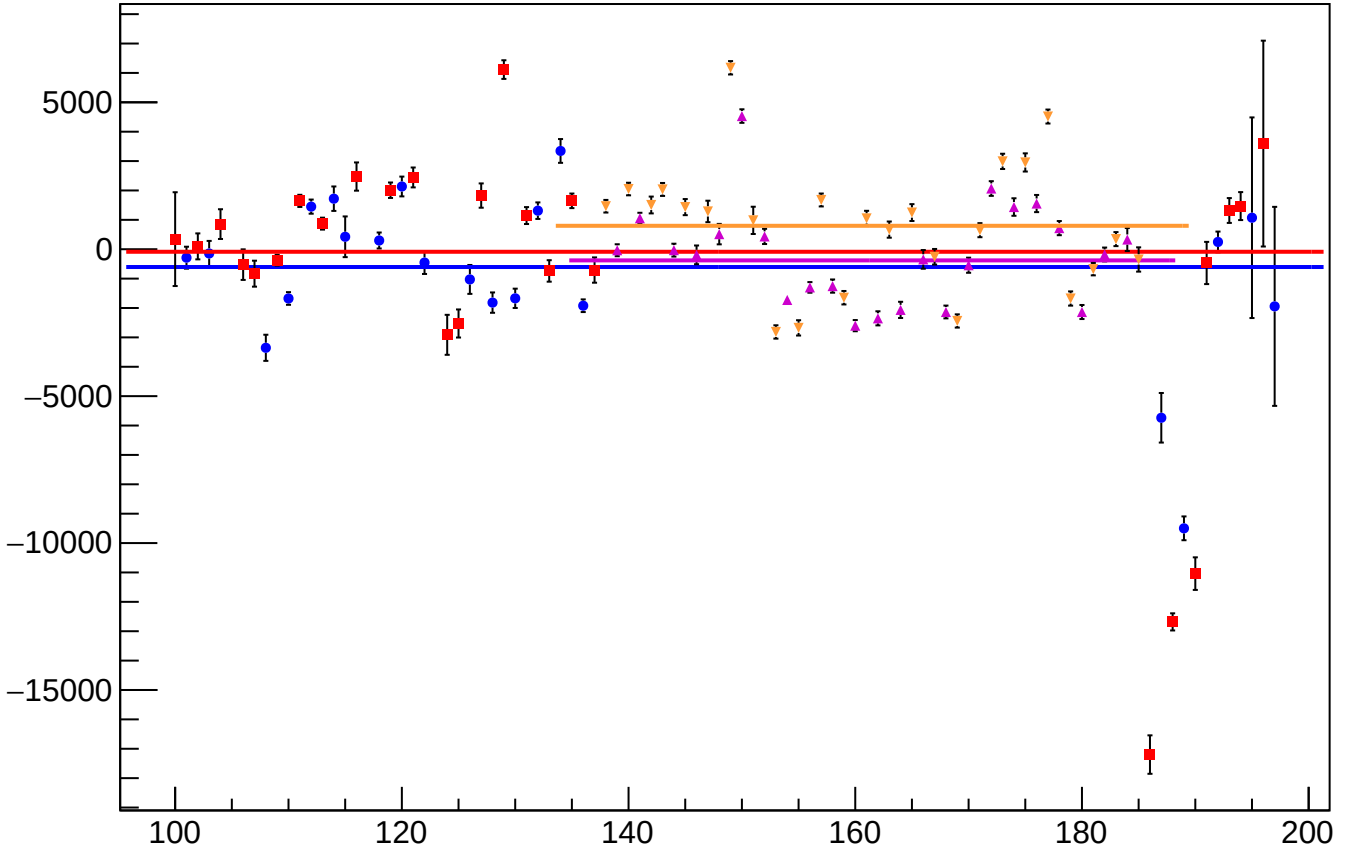
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

\+ sign 219.698+/-0.029 χ^2/NDF: 2342318.1/45

All: 214.750+/-0.020 χ^2/NDF: 5685659.9/94

\- sign 210.143+/-0.028 χ^2/NDF: 3288087.4/48

asym_bpm0l06WS_mean vs Slug



Right In: -605.446+/-76.455 χ^2/NDF: 976.9/20

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -86.396+/-68.172 χ^2/NDF: 3731.2/25

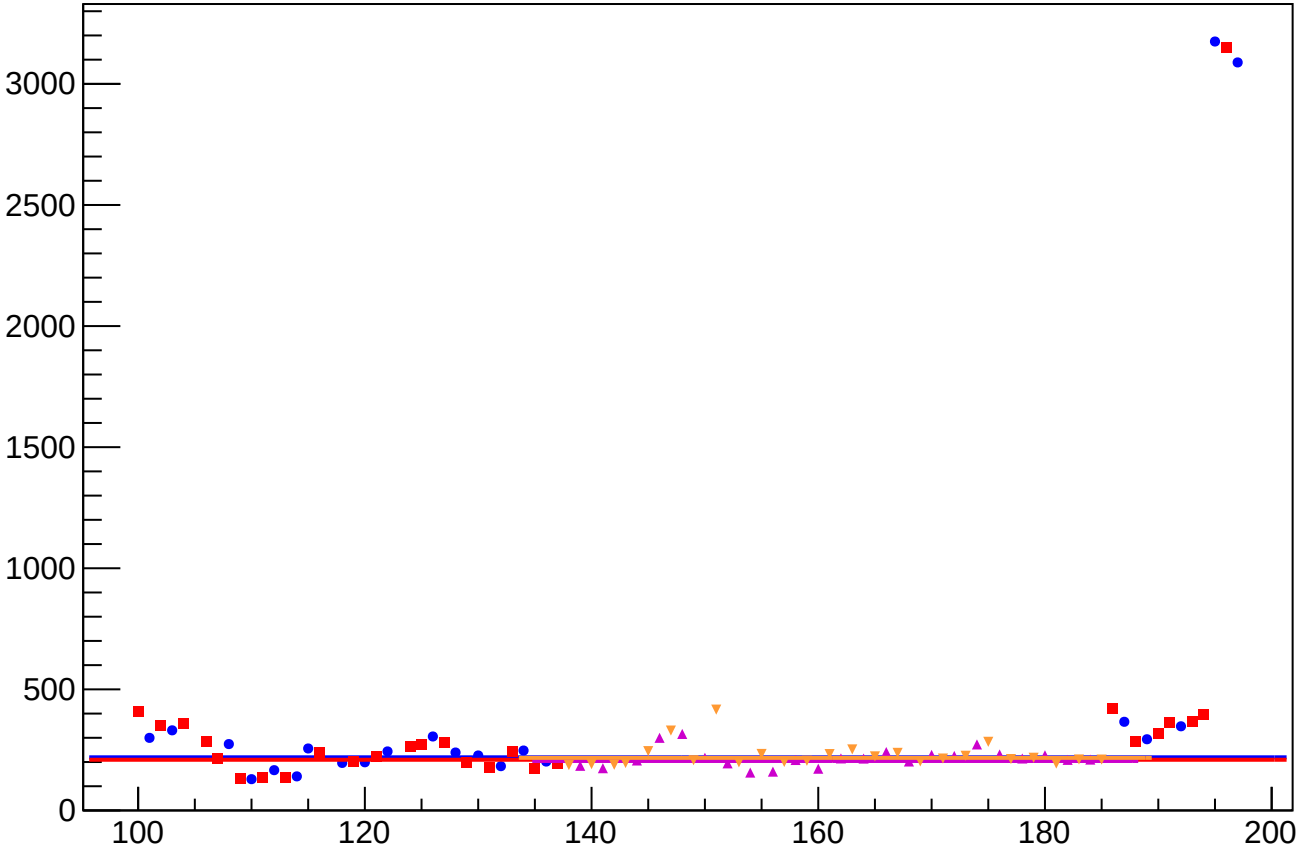
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.385+/-42.135 χ^2/NDF: 3172.2/45

All: 28.263+/-28.966 χ^2/NDF: 8242.5/94

- sign -279.214+/-39.886 χ^2/NDF: 4944.6/48

asym_bpm0l06WS_rms vs Slug



Right In: 219.441+/-0.054 χ^2/NDF: 4264978.2/20

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 209.319+/-0.048 χ^2/NDF: 4020955.4/25

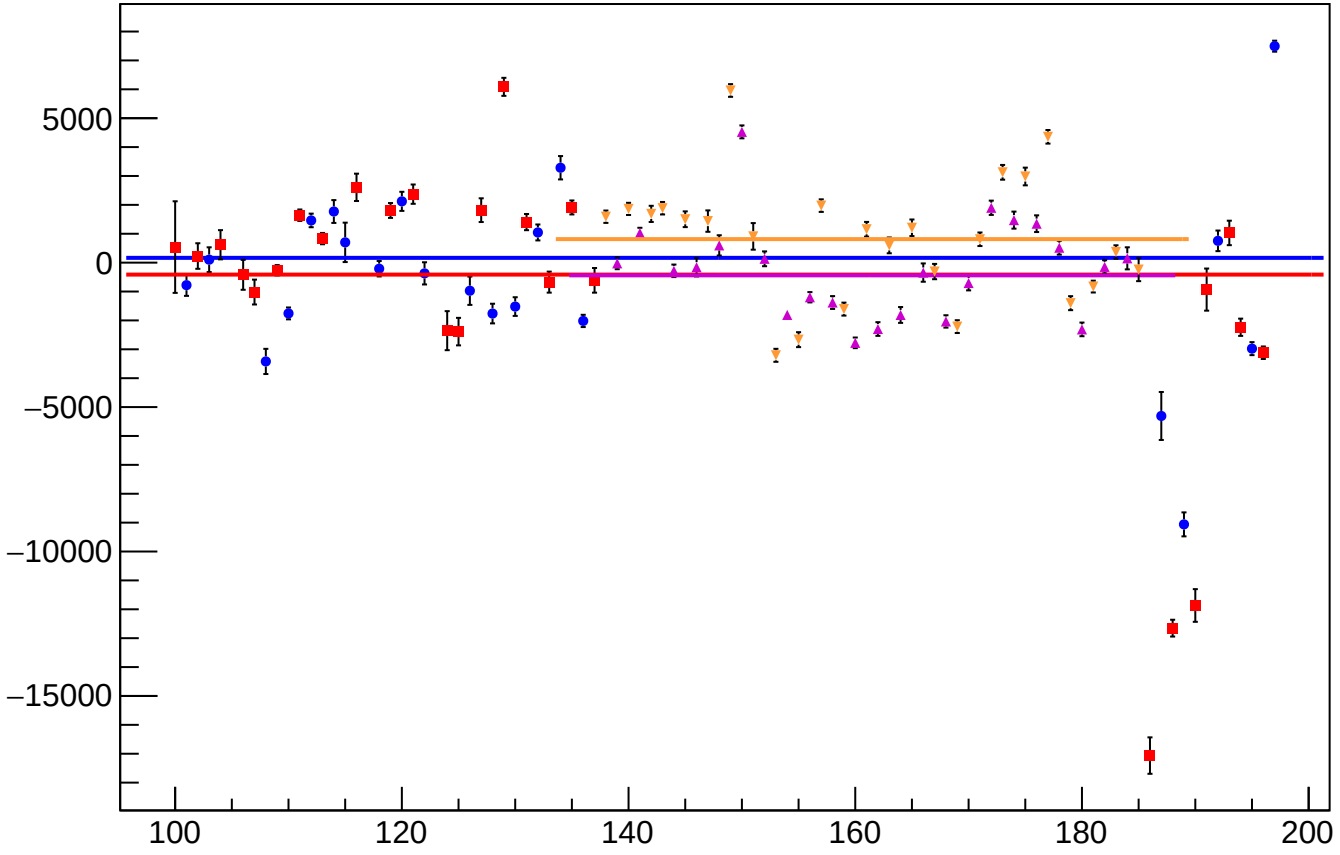
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 217.897+/-0.030 χ^2/NDF: 5176593.2/45

All: 211.635+/-0.020 χ^2/NDF: 10303473.2/94

- sign 206.023+/-0.028 χ^2/NDF: 5043111.0/48

asym_bpm0l07WS_mean vs Slug



Right In: 165.815+/-66.751 χ^2/NDF: 2704.4/20

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -414.022+/-62.884 χ^2/NDF: 4047.1/25

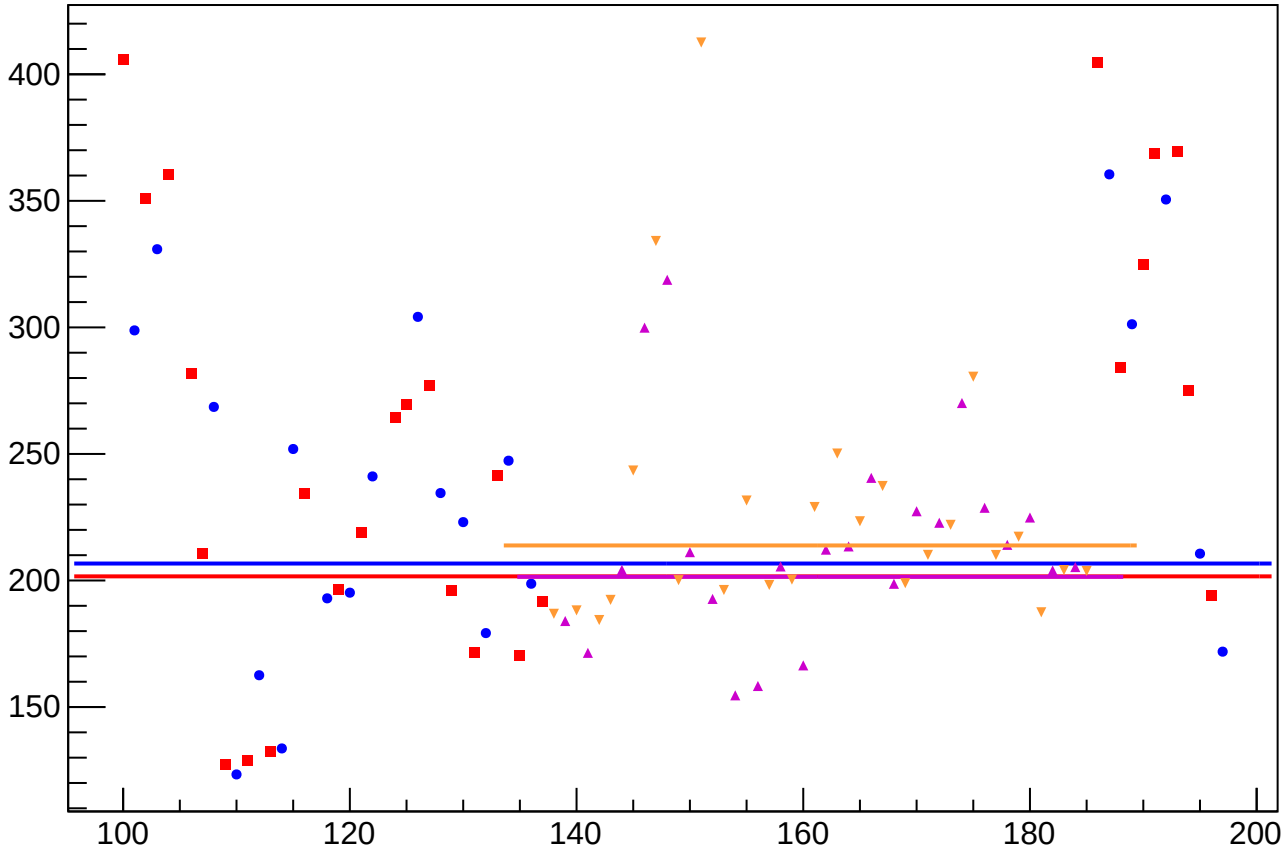
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 582.642+/-39.895 χ^2/NDF: 4765.4/45

All: 57.238+/-27.675 χ^2/NDF: 10381.9/94

- sign -430.098+/-38.422 χ^2/NDF: 5282.2/48

asym_bpm0l07WS_rms vs Slug



Right In: 206.703+/-0.047 χ^2/NDF: 1537423.0/20

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 201.634+/-0.044 χ^2/NDF: 2597725.0/25

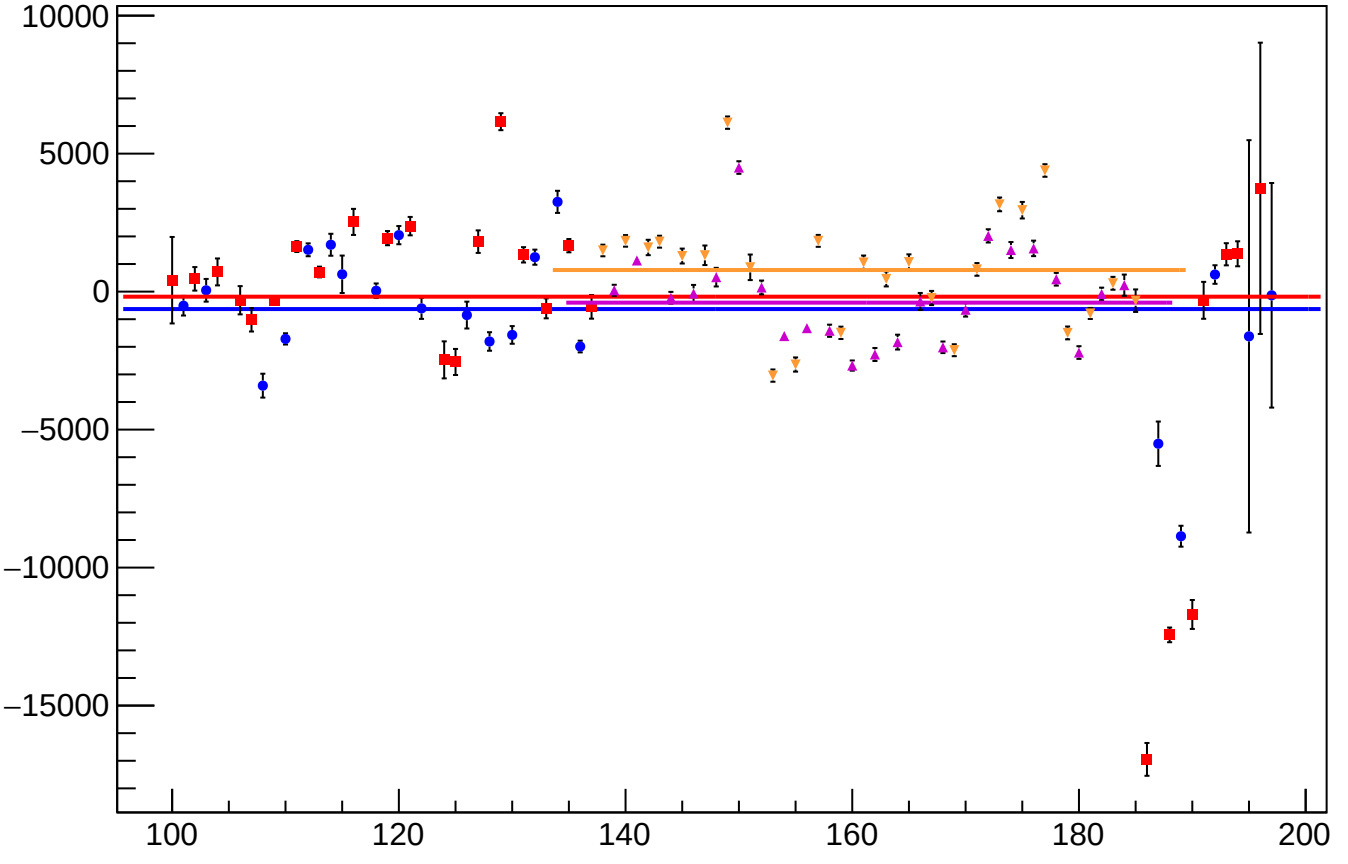
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 211.296+/-0.028 χ^2/NDF: 2515735.8/45

All: 206.222+/-0.020 χ^2/NDF: 6237799.7/94

- sign 201.516+/-0.027 χ^2/NDF: 3659708.5/48

asym_bpm0l08WS_mean vs Slug



Right In: -632.143+/-74.049 χ^2/NDF: 992.5/20

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -183.497+/-65.476 χ^2/NDF: 4272.5/25

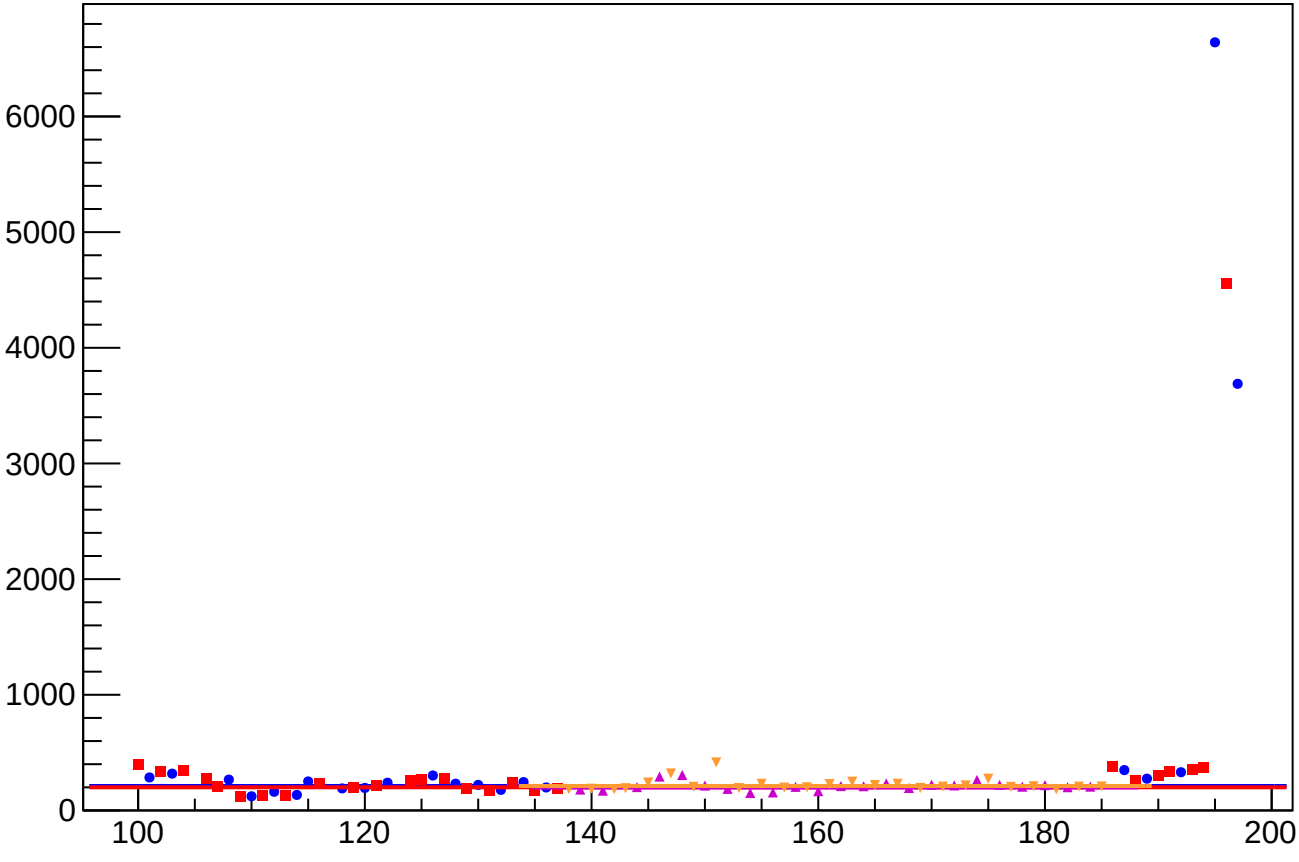
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 349.189+/-40.979 χ^2/NDF: 3246.9/45

All: -7.662+/-28.104 χ^2/NDF: 8901.7/94

- sign -324.559+/-38.617 χ^2/NDF: 5511.6/48

asym_bpm0l08WS_rms vs Slug



Right In: 211.327+/-0.052 χ^2/NDF: 4427360.1/20

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 200.193+/-0.046 χ^2/NDF: 3947215.2/25

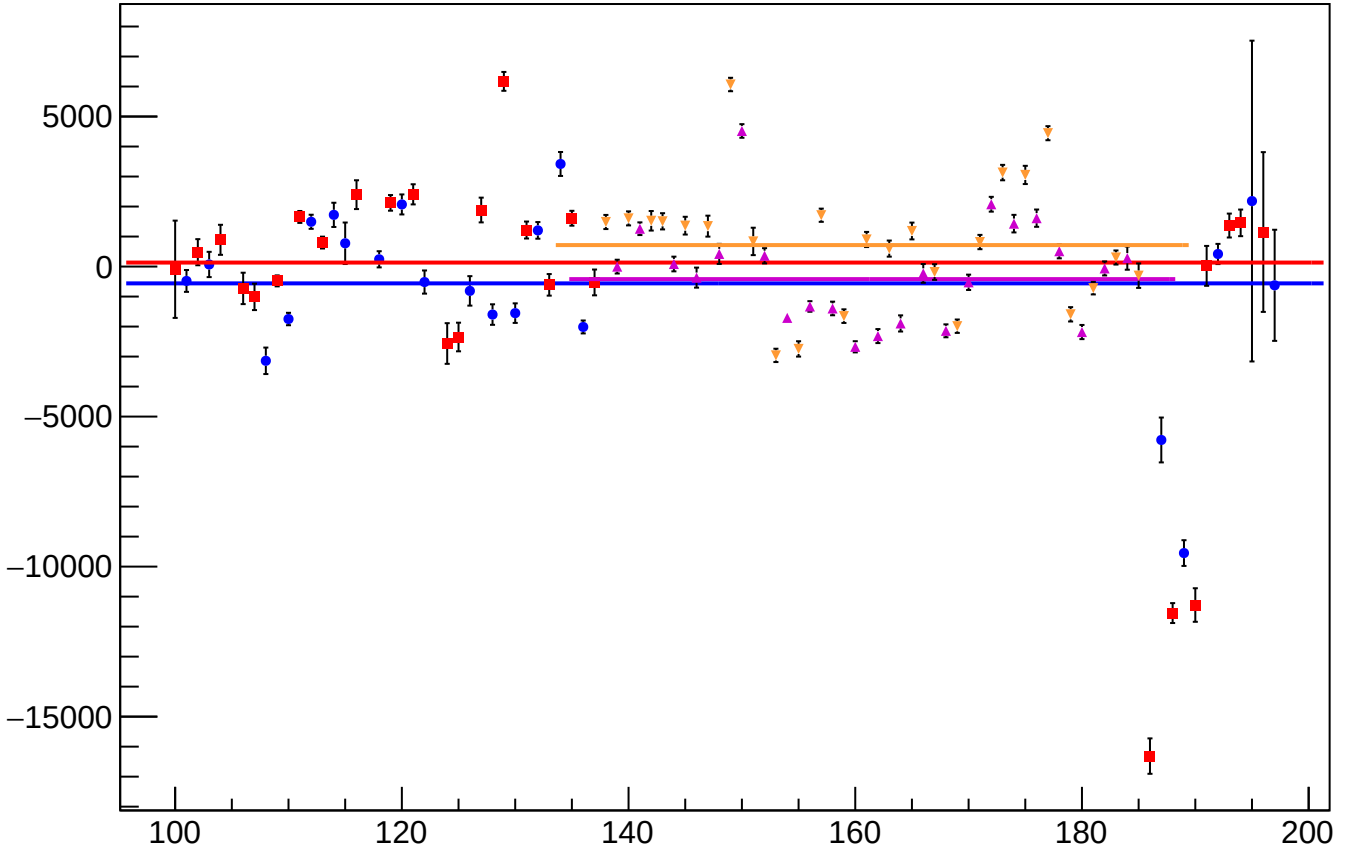
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 211.444+/-0.029 χ^2/NDF: 5362345.6/45

All: 204.909+/-0.020 χ^2/NDF: 10412910.1/94

- sign 199.105+/-0.027 χ^2/NDF: 4954521.2/48

asym_bpm0l09WS_mean vs Slug



Right In: -560.457+/-75.225 χ^2/NDF: 953.3/20

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 132.913+/-67.293 χ^2/NDF: 3158.6/25

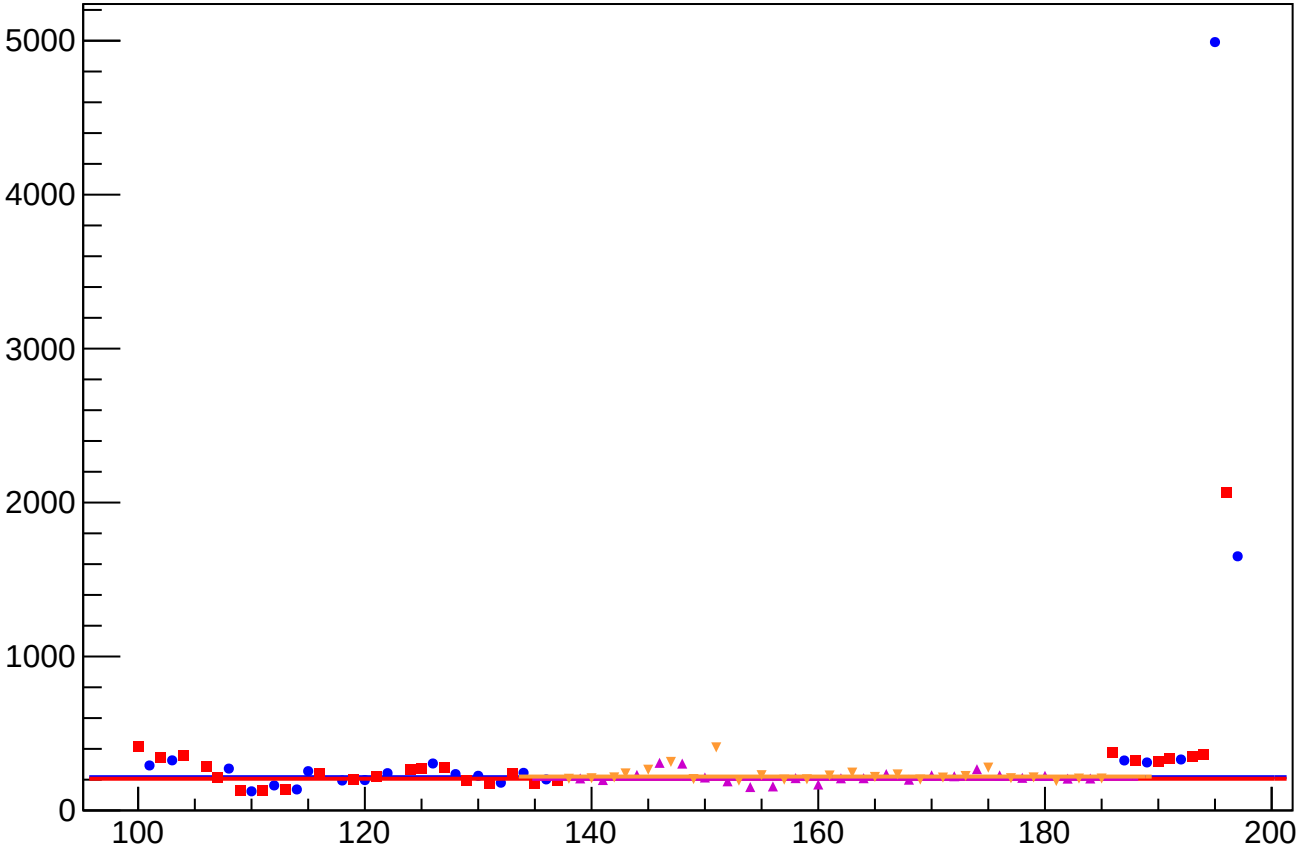
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 312.612+/-42.275 χ^2/NDF: 3068.2/45

All: 28.280+/-29.012 χ^2/NDF: 7596.8/94

- sign -224.825+/-39.886 χ^2/NDF: 4443.2/48

asym_bpm0l09WS_rms vs Slug



Right In: 216.148+/-0.053 χ^2/NDF: 4162486.5/20

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 206.056+/-0.048 χ^2/NDF: 3653283.9/25

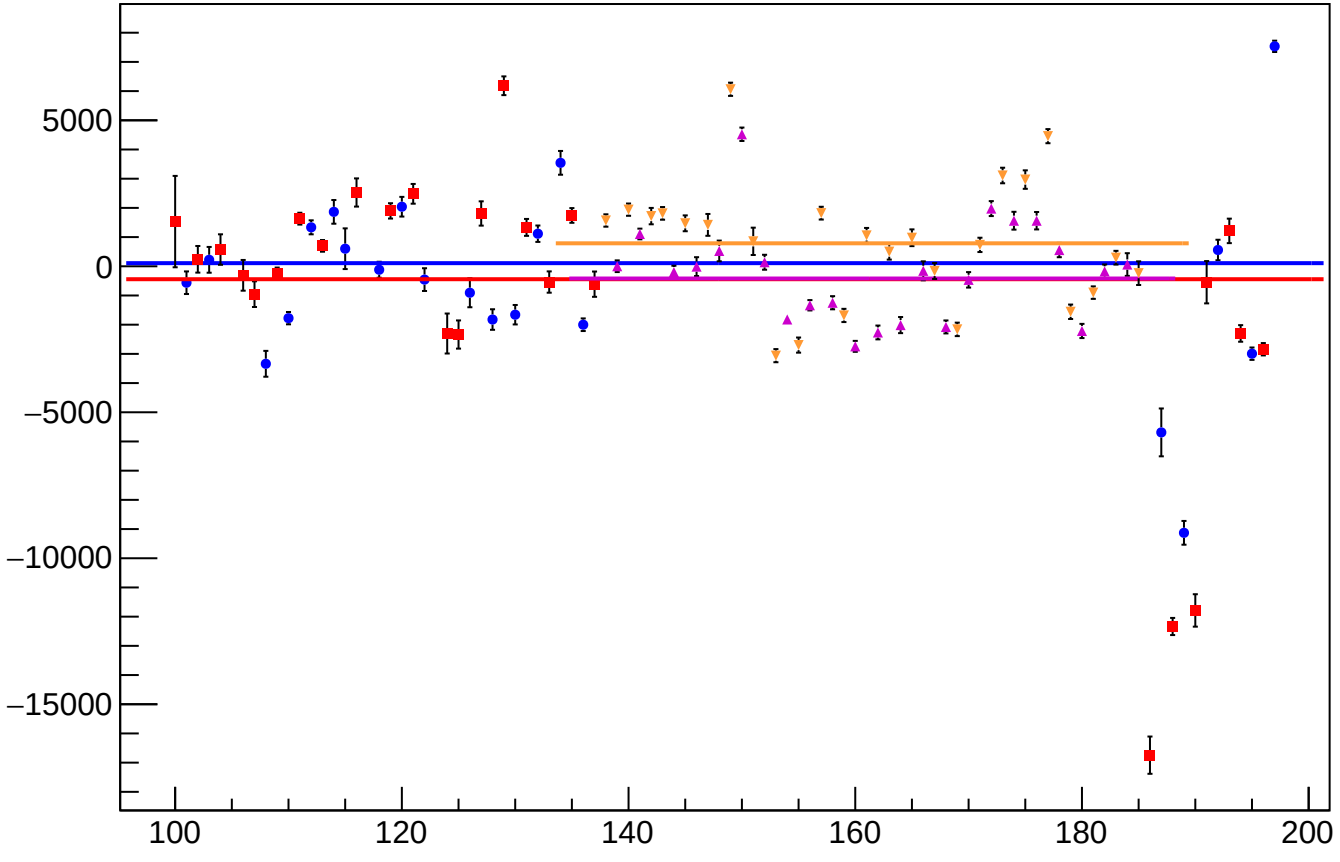
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 218.882+/-0.030 χ^2/NDF: 4966049.5/45

All: 211.899+/-0.021 χ^2/NDF: 9736540.1/94

- sign 205.683+/-0.028 χ^2/NDF: 4667343.7/48

asym_bpm0l10WS_mean vs Slug



Right In: 107.354+/-67.525 χ^2/NDF: 2712.9/20

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -442.564+/-63.866 χ^2/NDF: 3830.4/25

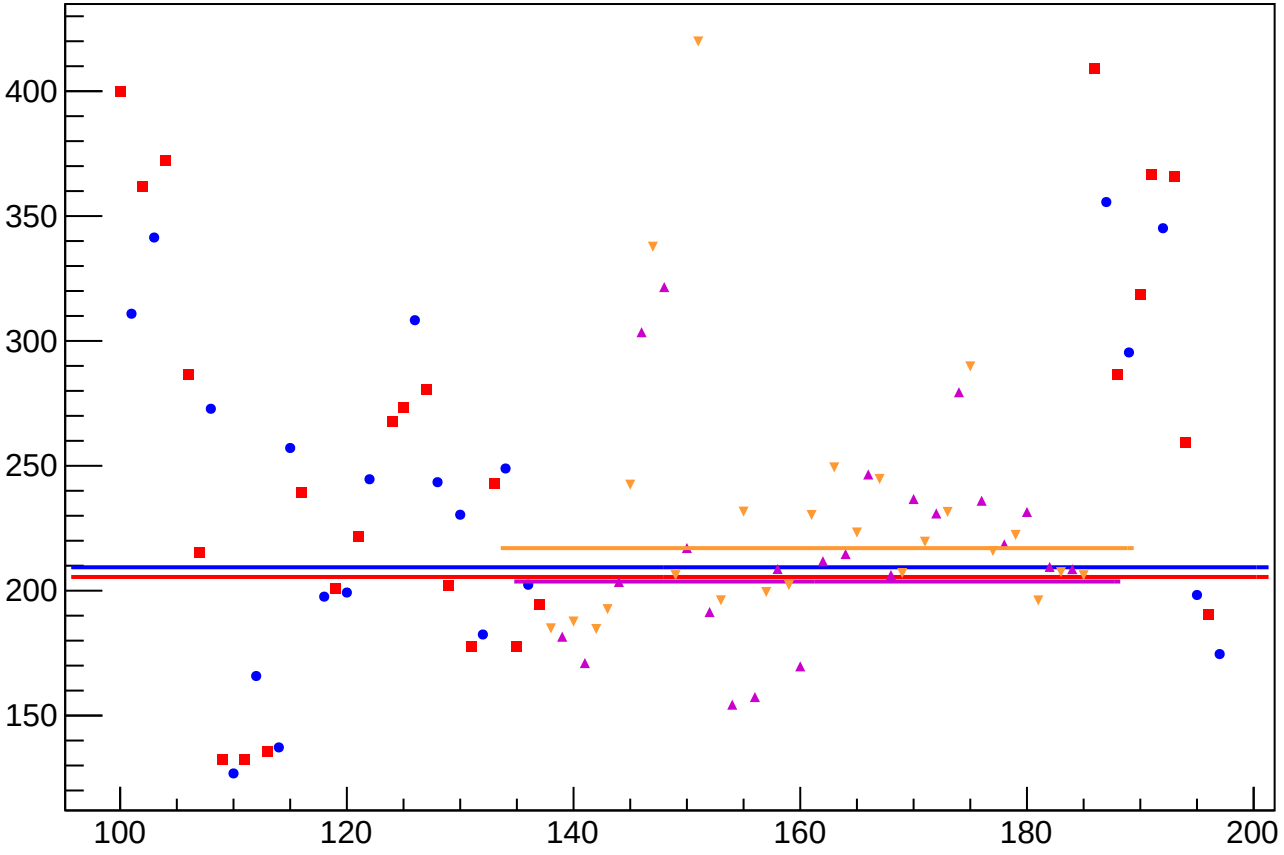
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 543.020+/-40.454 χ^2/NDF: 4715.4/45

All: 39.329+/-28.059 χ^2/NDF: 10055.6/94

- sign -427.655+/-38.952 χ^2/NDF: 5041.5/48

asym_bpm0l10WS_rms vs Slug



Right In: 209.374+/-0.048 χ^2/NDF: 1490871.2/20

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 205.492+/-0.045 χ^2/NDF: 2443179.1/25

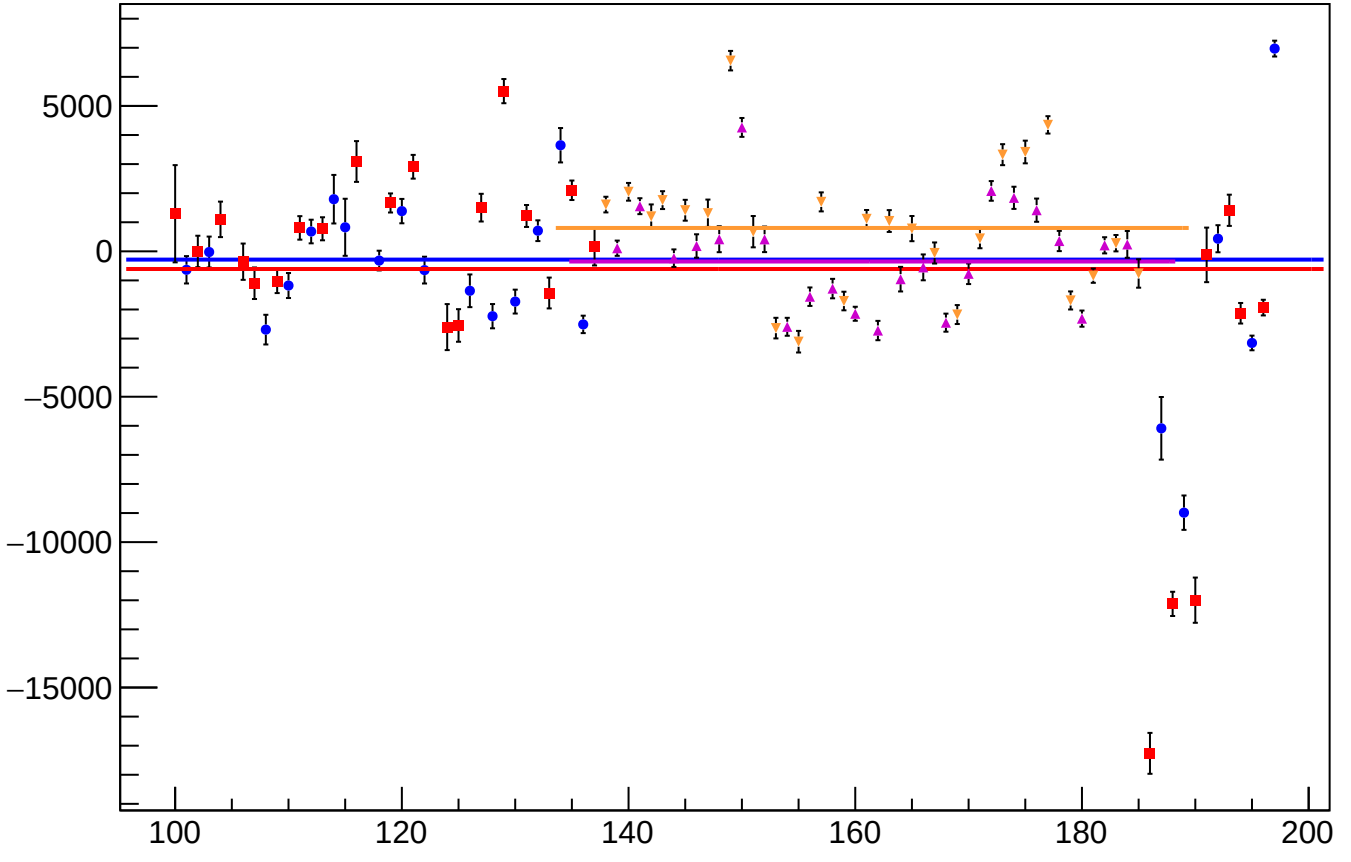
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 214.289+/-0.029 χ^2/NDF: 2490567.5/45

All: 209.127+/-0.020 χ^2/NDF: 6162861.9/94

- sign 204.342+/-0.028 χ^2/NDF: 3609547.6/48

asym_bpm0r03WS_mean vs Slug



Right In: -284.589+/-91.609 χ^2/NDF: 1288.8/20

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -607.527+/-90.856 χ^2/NDF: 2130.5/25

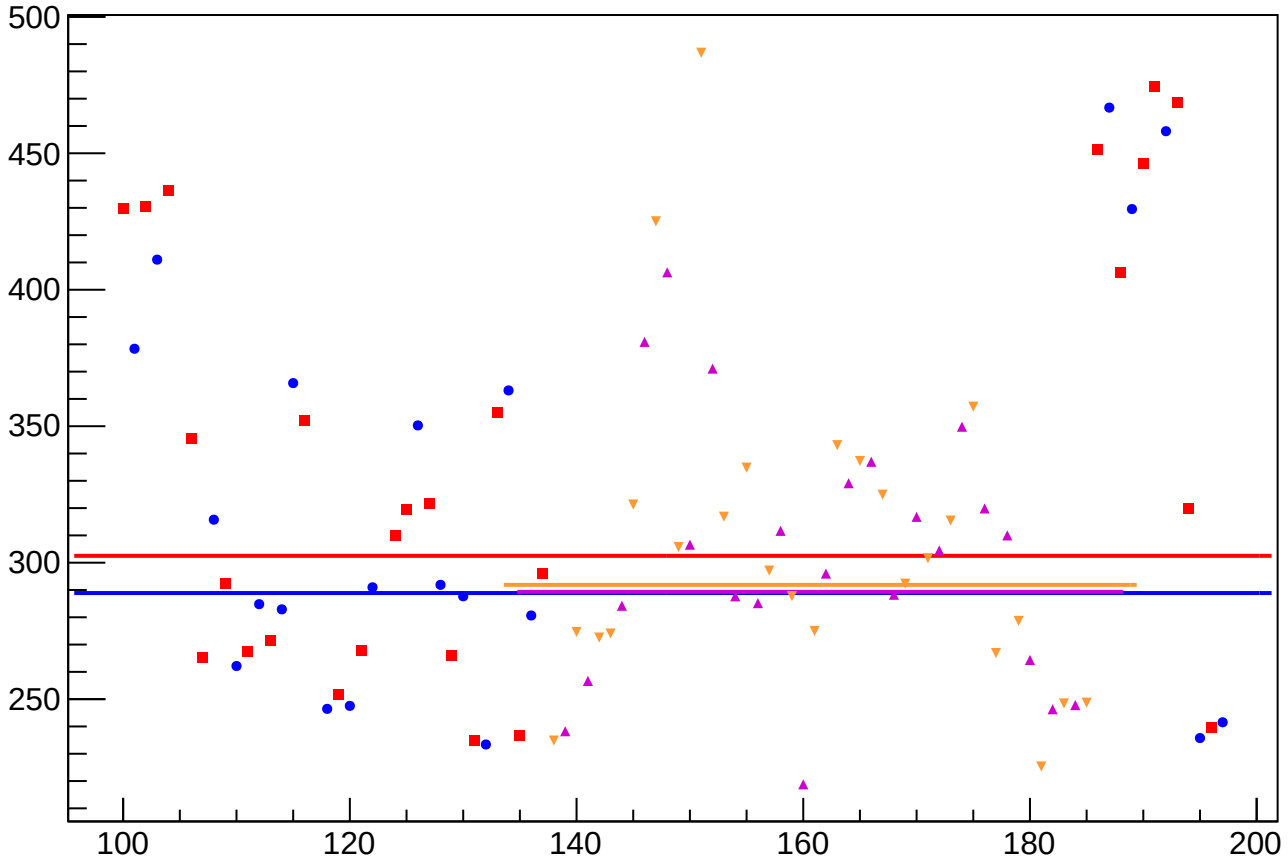
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 419.371+/-54.442 χ^2/NDF: 2437.7/45

All: -8.482+/-38.672 χ^2/NDF: 5354.1/94

- sign -444.232+/-54.942 χ^2/NDF: 2791.7/48

asym_bpm0r03WS_rms vs Slug



Right In: 288.879+/-0.065 χ^2/NDF: 941385.7/20

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 302.516+/-0.064 χ^2/NDF: 1177251.2/25

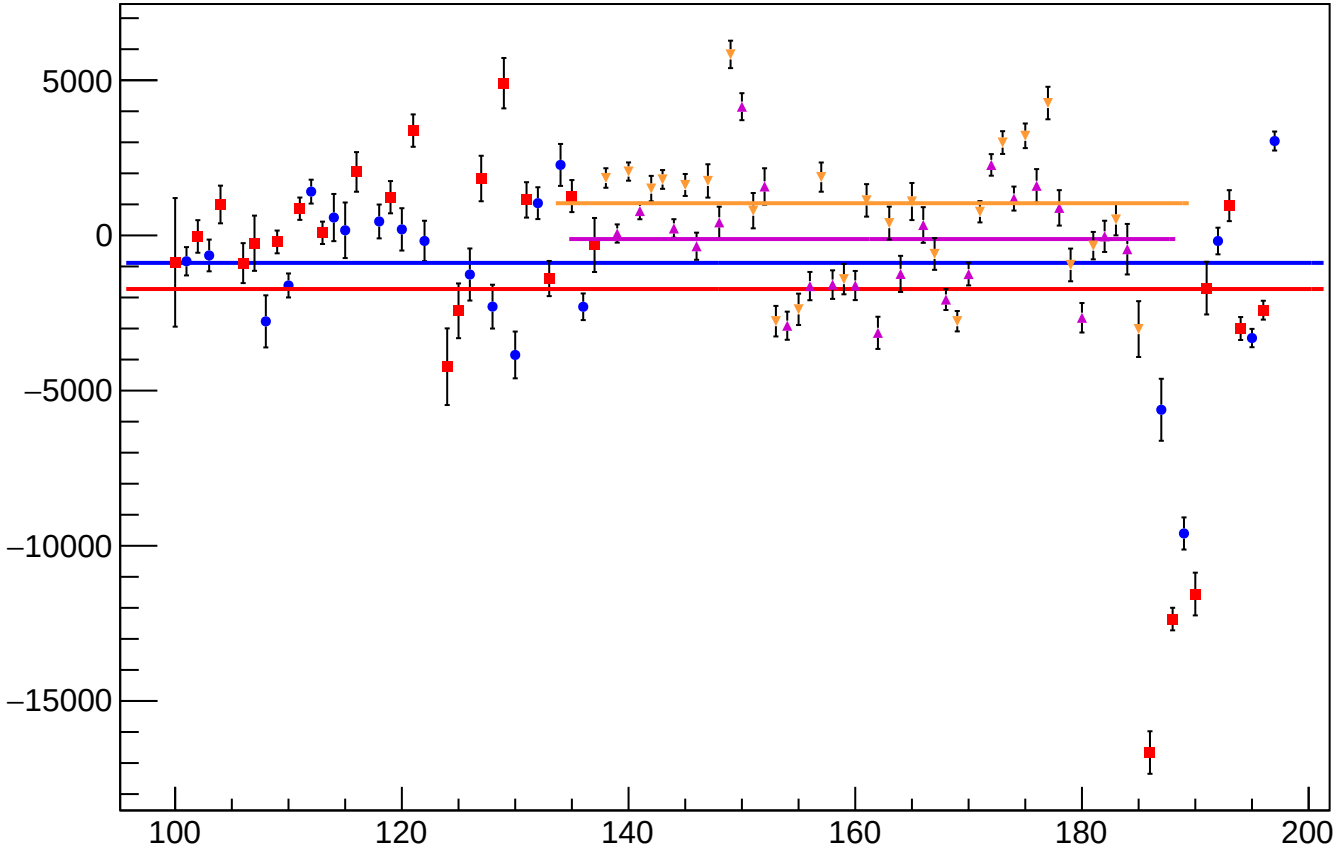
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 290.822+/-0.038 χ^2/NDF: 1902695.2/45

All: 292.469+/-0.027 χ^2/NDF: 3919001.9/94

- sign 294.146+/-0.039 χ^2/NDF: 2012612.6/48

asym_bpm0r05WS_mean vs Slug



Right In: -884.838+/-109.570 χ^2/NDF: 666.2/20

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1726.918+/-102.663 χ^2/NDF: 2030.2/25

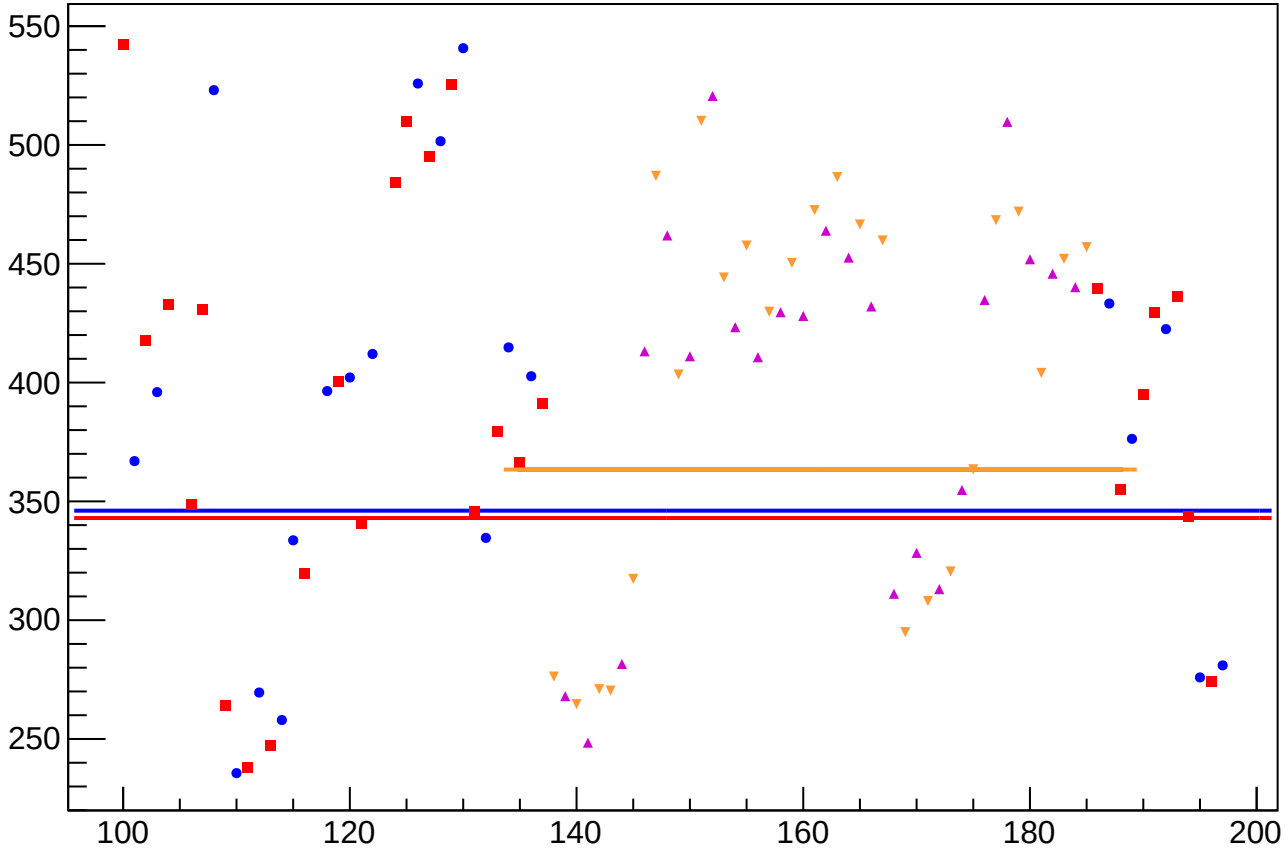
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 313.041+/-67.259 χ^2/NDF: 1428.2/45

All: -246.210+/-47.316 χ^2/NDF: 4108.1/94

- sign -794.172+/-66.577 χ^2/NDF: 2543.0/48

asym_bpm0r05WS_rms vs Slug



Right In: 346.085+/-0.077 χ^2/NDF: 1100728.8/20

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 342.989+/-0.073 χ^2/NDF: 1103225.9/25

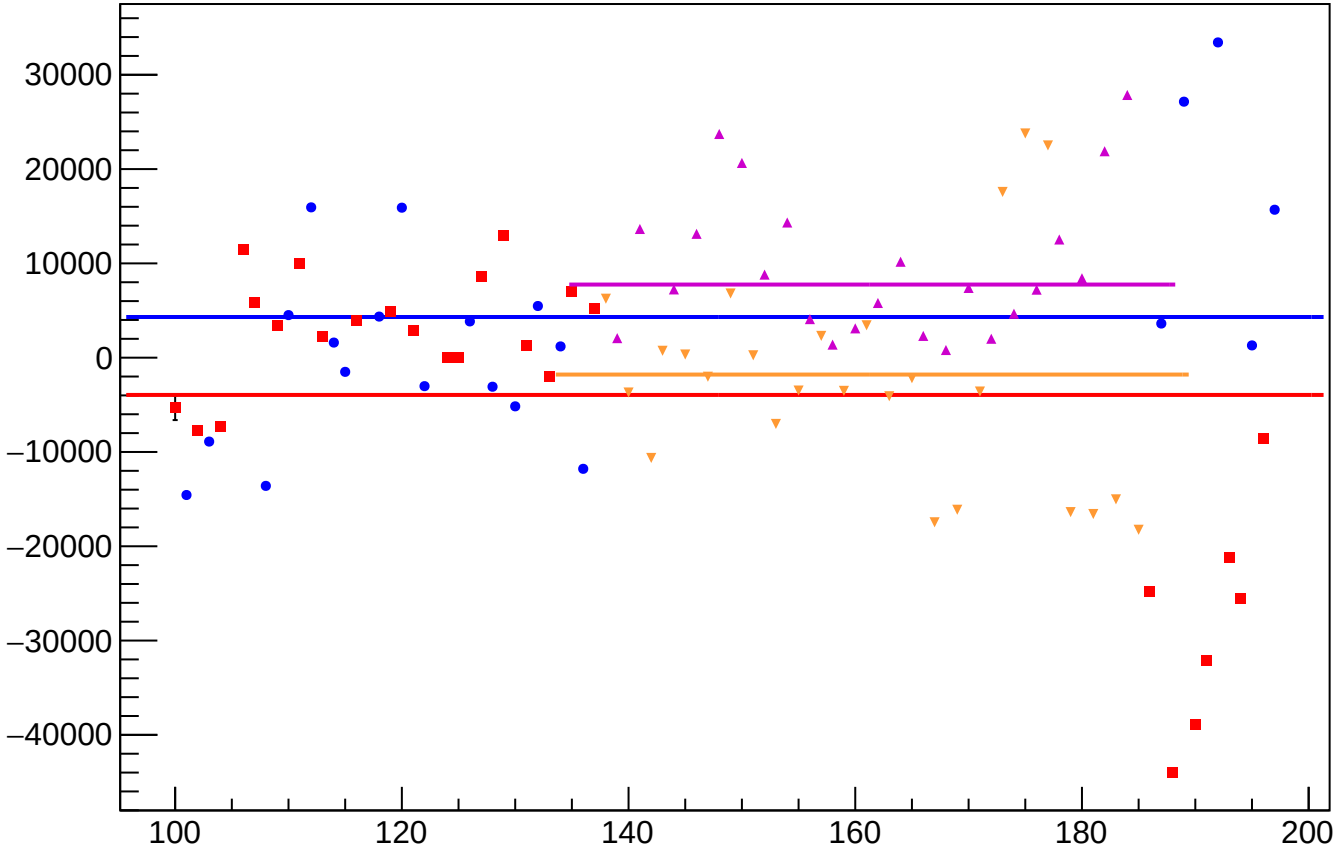
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 356.867+/-0.048 χ^2/NDF: 3072304.7/45

All: 355.827+/-0.033 χ^2/NDF: 5933821.4/94

- sign 354.808+/-0.047 χ^2/NDF: 2860570.0/48

asym_bpm0i02WS_mean vs Slug



Right In: 4313.593+/-47.111 χ^2/NDF: 74217.9/20

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -3951.030+/-44.375 χ^2/NDF: 128845.4/25

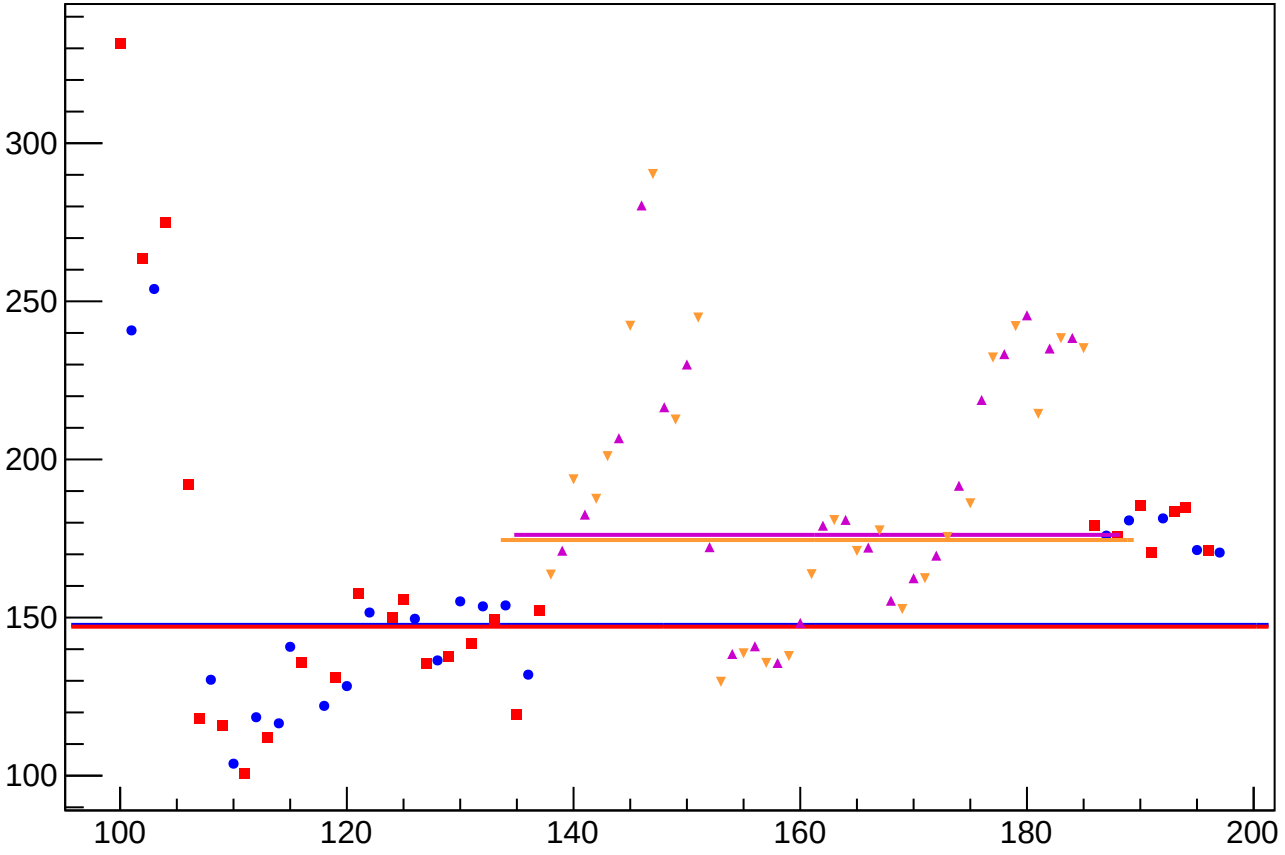
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 833.776+/-30.889 χ^2/NDF: 149534.0/45

All: 1492.691+/-21.782 χ^2/NDF: 338797.4/94

- sign 2144.419+/-30.720 χ^2/NDF: 188358.3/48

asym_bpm0i02WS_rms vs Slug



Right In: 147.685+/-0.033 χ^2/NDF: 887383.4/20

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 147.116+/-0.031 χ^2/NDF: 1277148.9/25

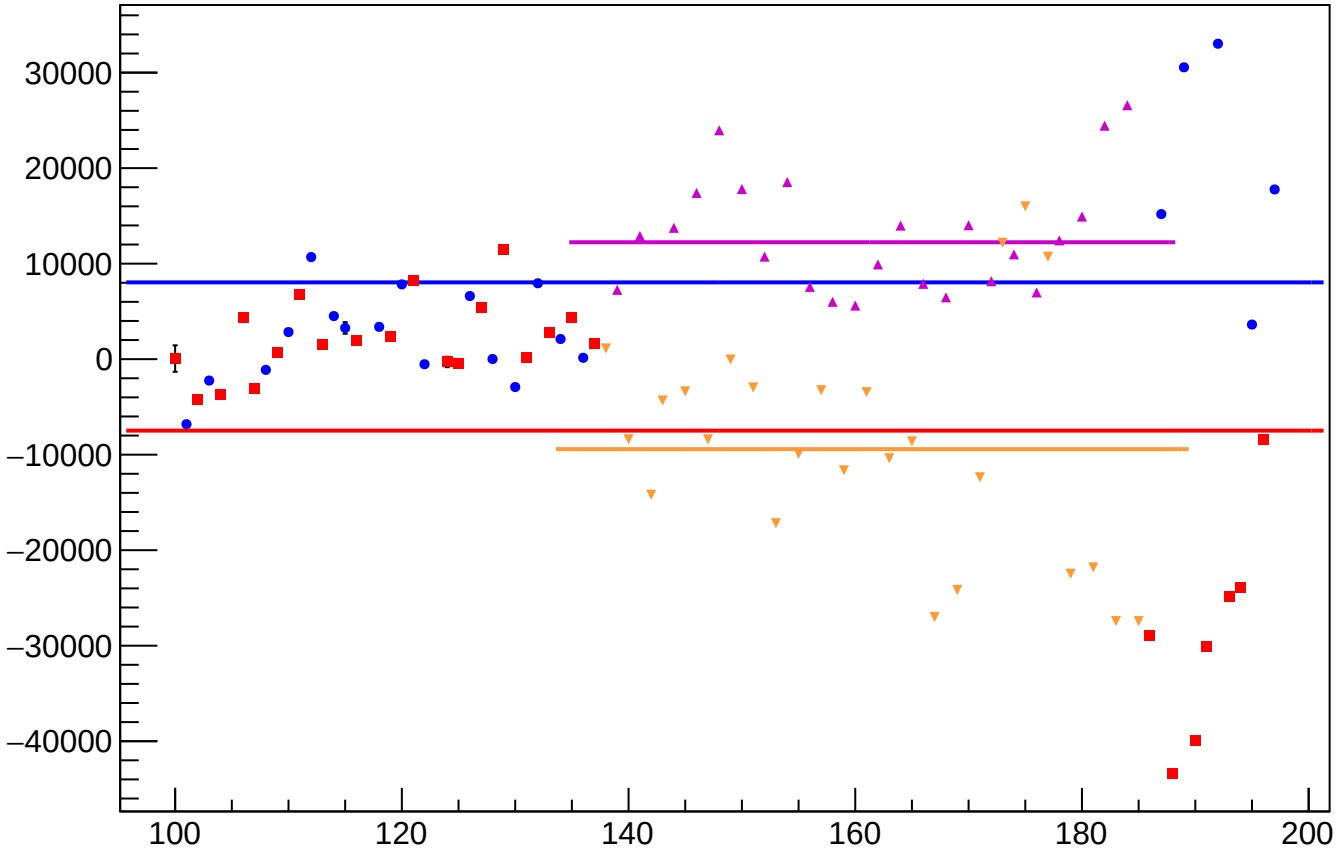
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.984+/-0.022 χ^2/NDF: 2916811.2/45

All: 162.609+/-0.015 χ^2/NDF: 6007608.4/94

- sign 162.237+/-0.022 χ^2/NDF: 3090209.6/48

asym_bpm0i02aWS_mean vs Slug



Right In: 8038.293+/-56.385 χ^2/NDF: 35756.9/20

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -7481.989+/-52.466 χ^2/NDF: 97546.8/25

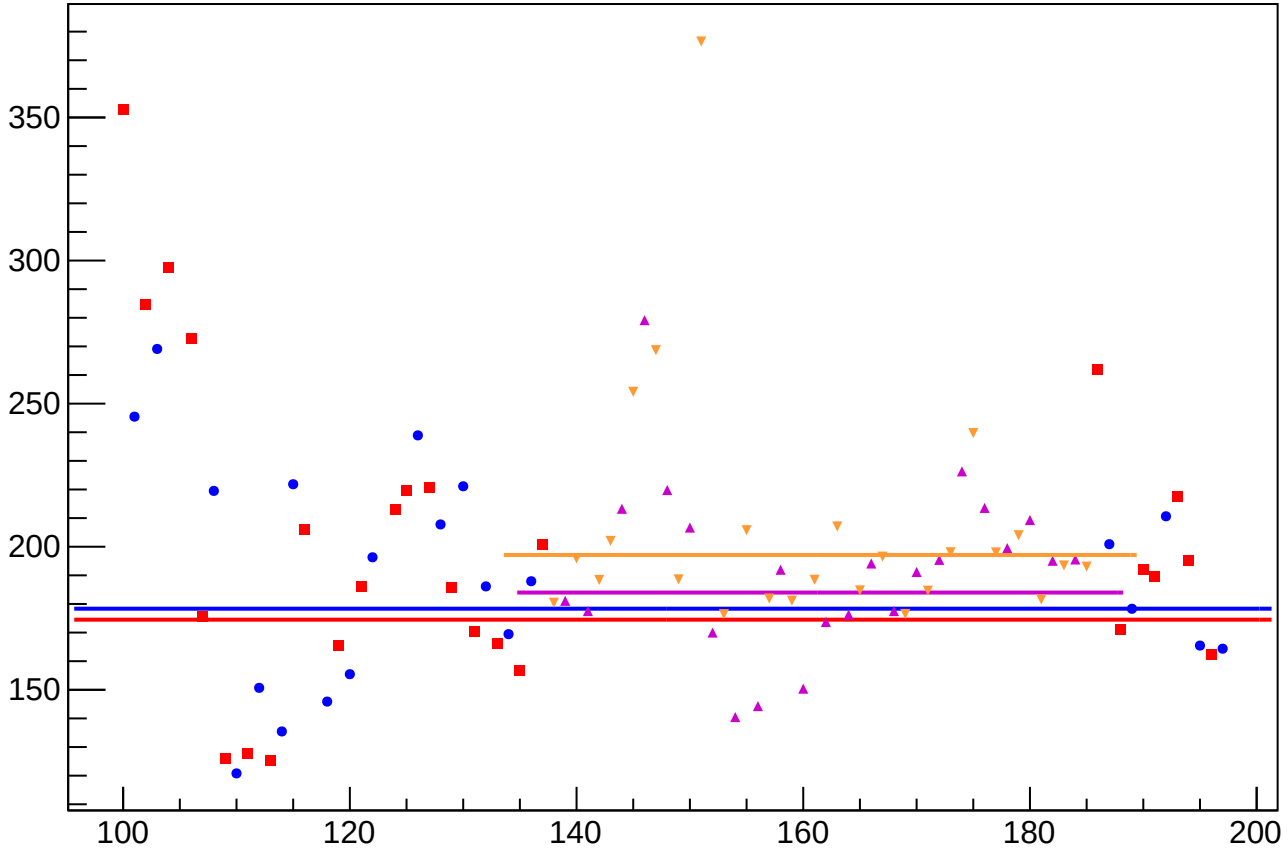
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -2498.836+/-35.502 χ^2/NDF: 158339.4/45

All: 938.058+/-24.480 χ^2/NDF: 372411.5/94

- sign 4053.489+/-33.801 χ^2/NDF: 196205.1/48

asym_bpm0i02aWS_rms vs Slug



Right In: 178.348+/-0.040 χ^2/NDF: 747530.6/20

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.510+/-0.037 χ^2/NDF: 1187057.2/25

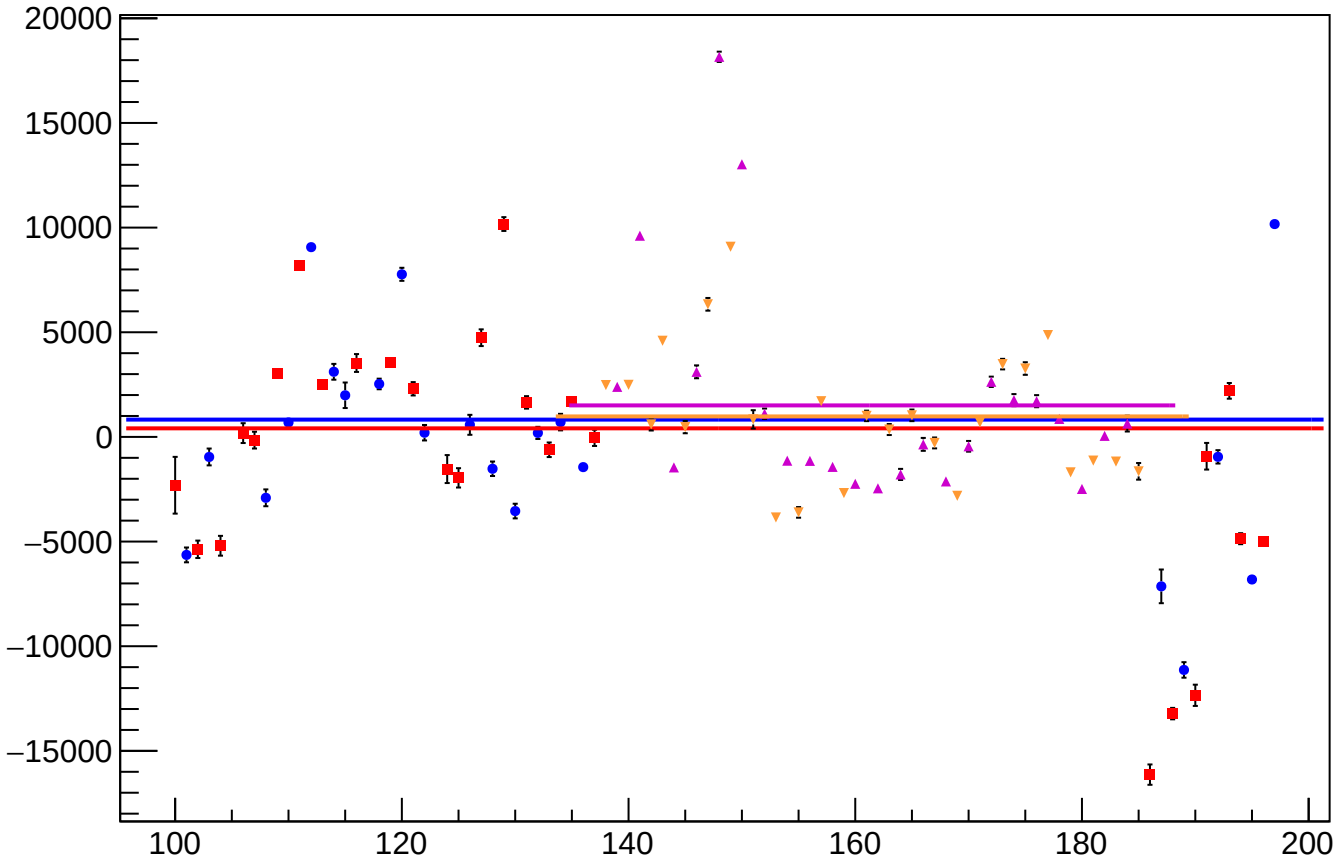
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 189.679+/-0.025 χ^2/NDF: 1613887.5/45

All: 184.630+/-0.017 χ^2/NDF: 3746022.3/94

- sign 180.052+/-0.024 χ^2/NDF: 2054996.5/48

asym_bpm0i05WS_mean vs Slug



Right In: 826.721+/-63.858 χ^2/NDF: 7746.2/20

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 408.858+/-59.674 χ^2/NDF: 9155.8/25

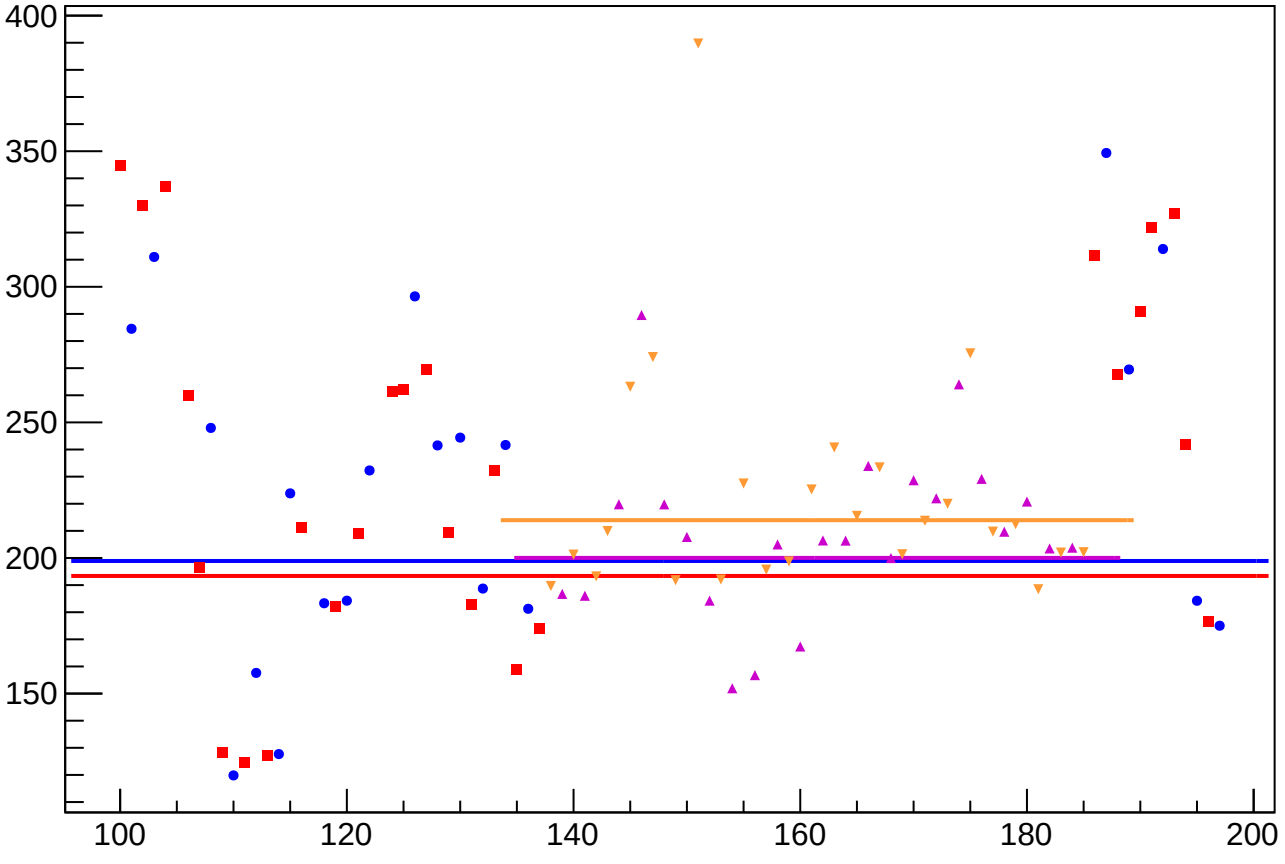
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 921.333+/-39.175 χ^2/NDF: 12072.6/45

All: 1001.096+/-27.061 χ^2/NDF: 32921.7/94

- sign 1073.895+/-37.426 χ^2/NDF: 20841.2/48

asym_bpm0i05WS_rms vs Slug



Right In: 198.899+/-0.045 χ^2/NDF: 1418534.5/20

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

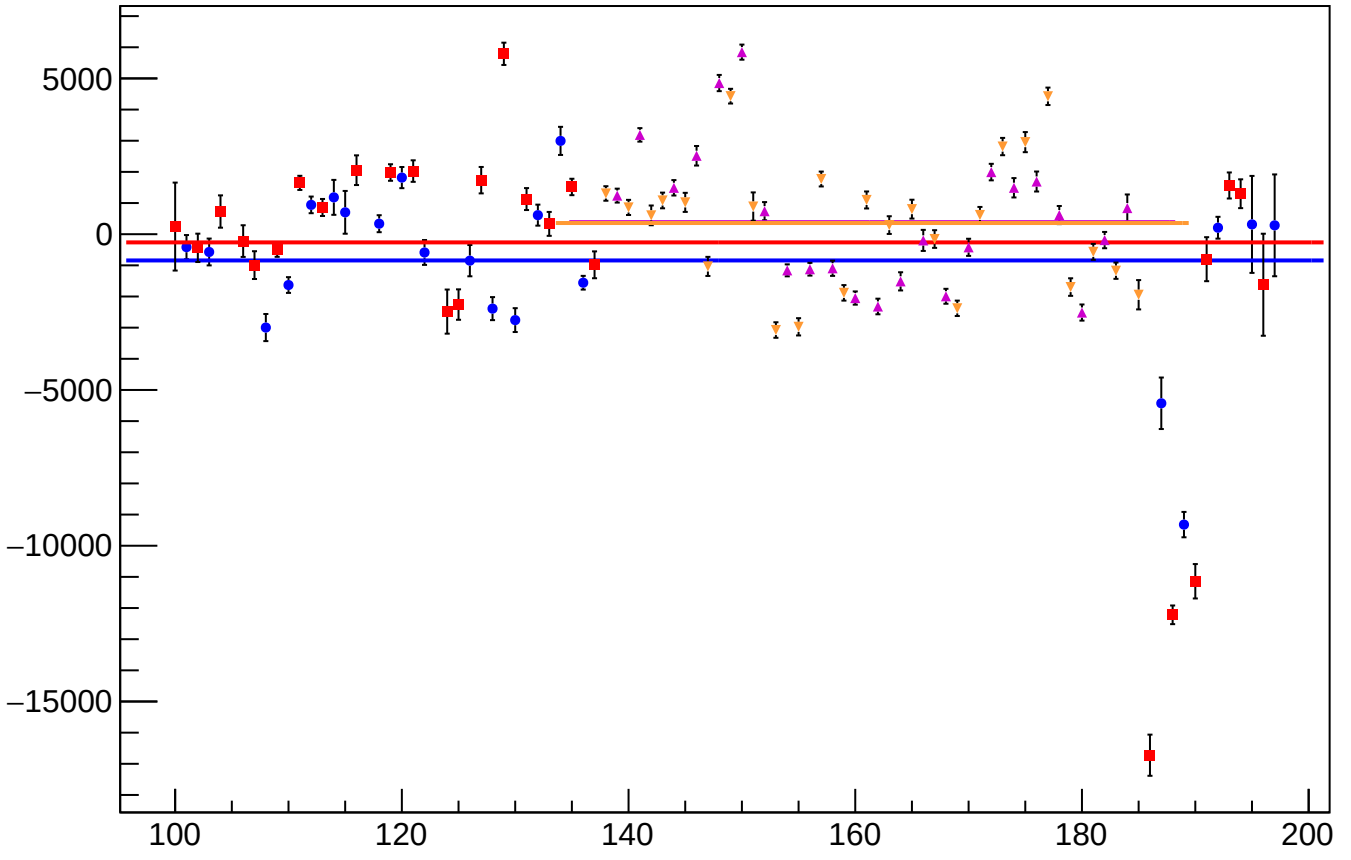
Right Out: 193.374+/-0.042 χ^2/NDF: 2227333.2/25

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.274+/-0.028 χ^2/NDF: 2221293.3/45

All: 202.595+/-0.019 χ^2/NDF: 5329621.7/94

- sign 197.412+/-0.026 χ^2/NDF: 3027954.0/48



Right In: -842.754+/-81.782 χ^2/NDF: 797.3/20

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -263.228+/-74.103 χ^2/NDF: 3268.7/25

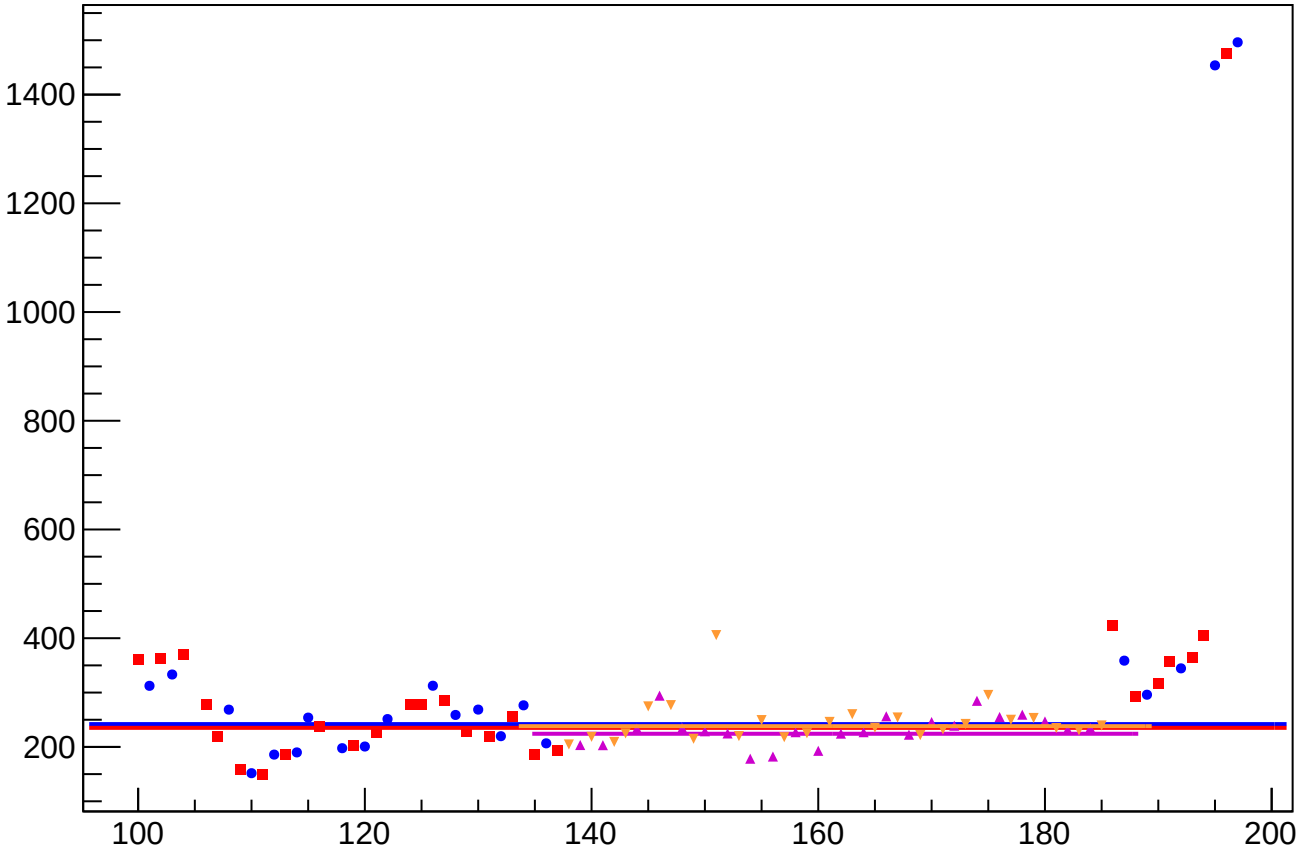
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.403+/-45.634 χ^2/NDF: 2364.8/45

All: 78.821+/-31.445 χ^2/NDF: 7496.4/94

- sign 164.012+/-43.392 χ^2/NDF: 5123.5/48

asym_bpm0i07WS_rms vs Slug



Right In: 241.987+/-0.058 χ^2/NDF: 3369901.5/20

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 235.101+/-0.052 χ^2/NDF: 3050816.2/25

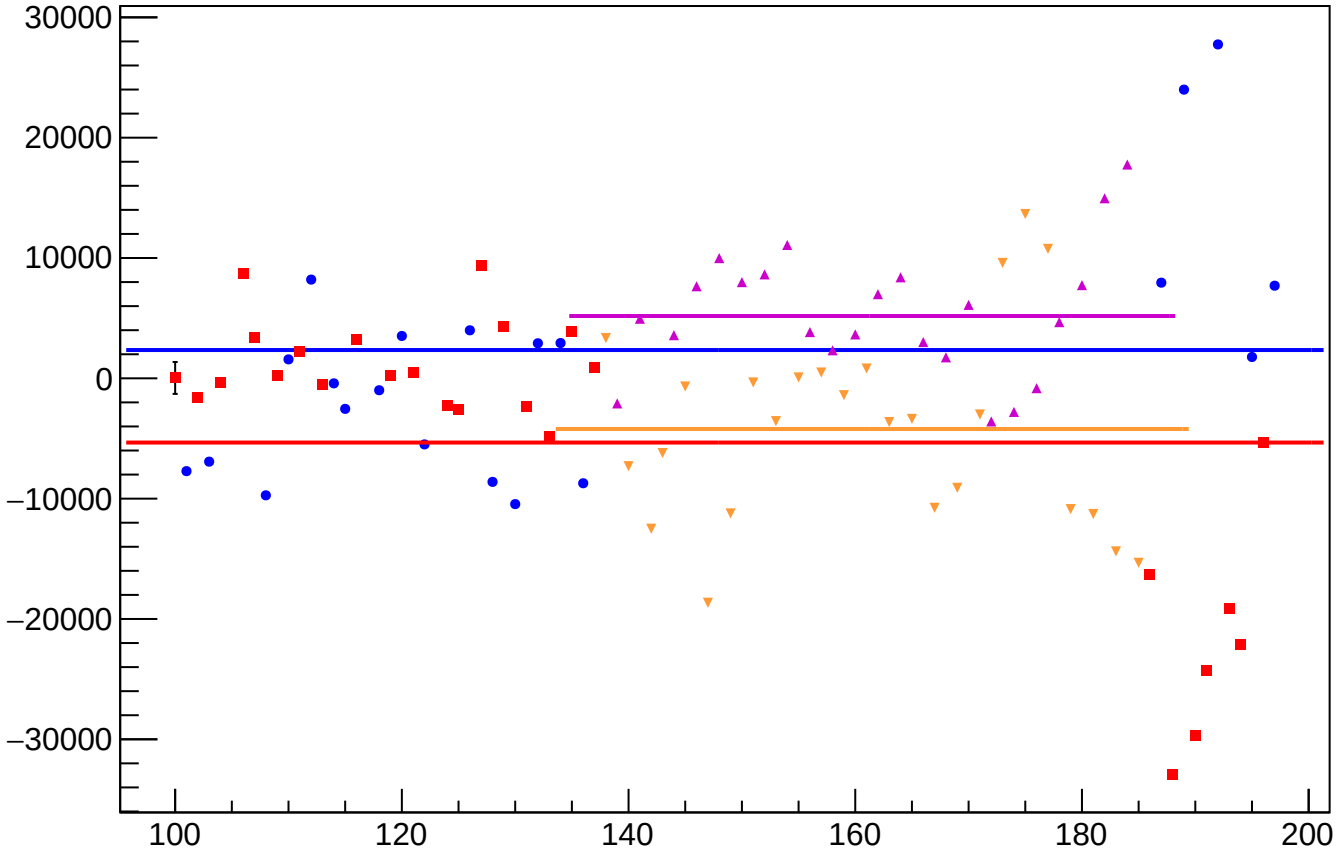
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 239.379+/-0.032 χ^2/NDF: 3940791.3/45

All: 233.374+/-0.022 χ^2/NDF: 7649145.4/94

- sign 227.945+/-0.031 χ^2/NDF: 3642423.8/48

asym_bpm1i02WS_mean vs Slug



Right In: 2350.580+/-40.014 χ^2/NDF: 69729.7/20

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5337.653+/-37.419 χ^2/NDF: 101168.5/25

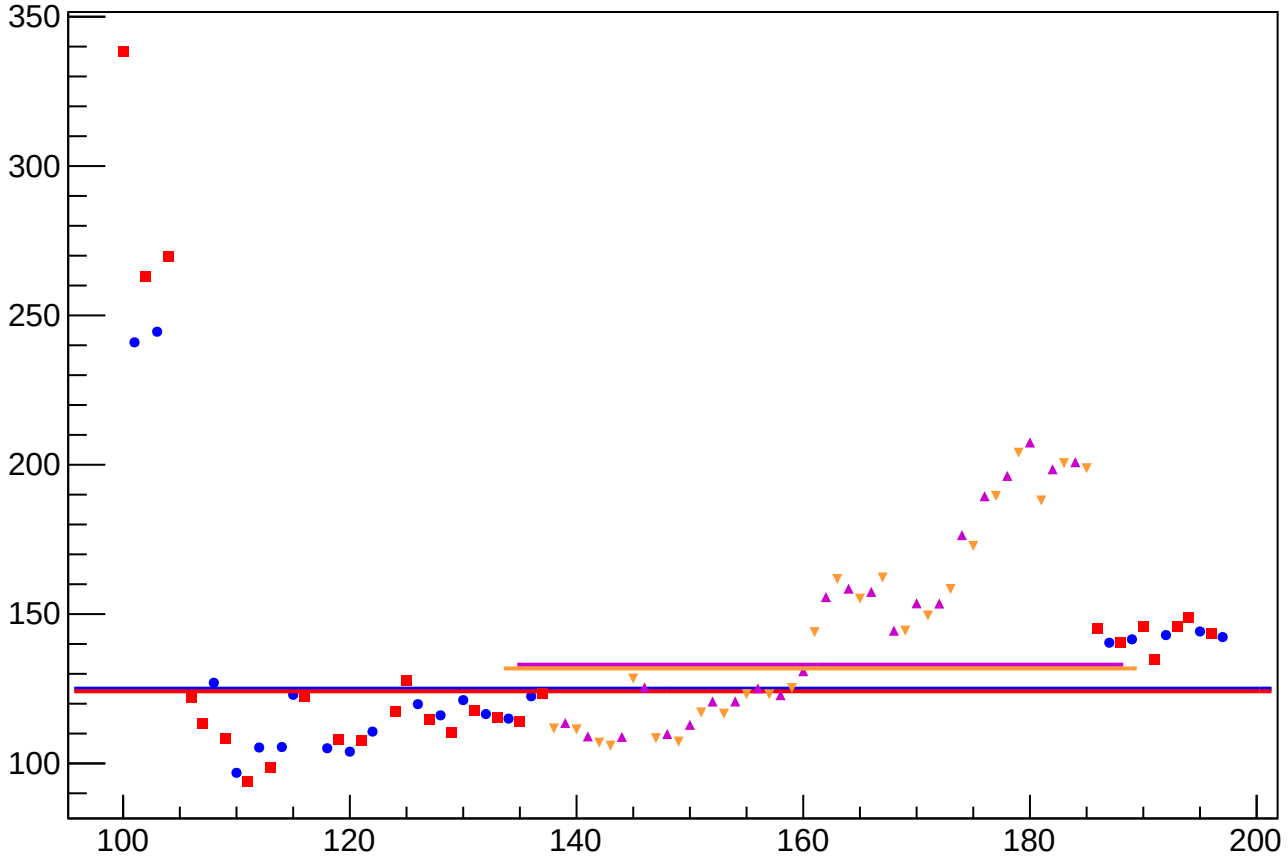
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1766.730+/-24.421 χ^2/NDF: 143404.2/45

All: -506.905+/-17.228 χ^2/NDF: 314065.5/94

- sign 741.100+/-24.306 χ^2/NDF: 165363.8/48

asym_bpm1i02WS_rms vs Slug



Right In: 125.032+/-0.028 χ^2/NDF: 876943.8/20

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 124.160+/-0.026 χ^2/NDF: 1110648.6/25

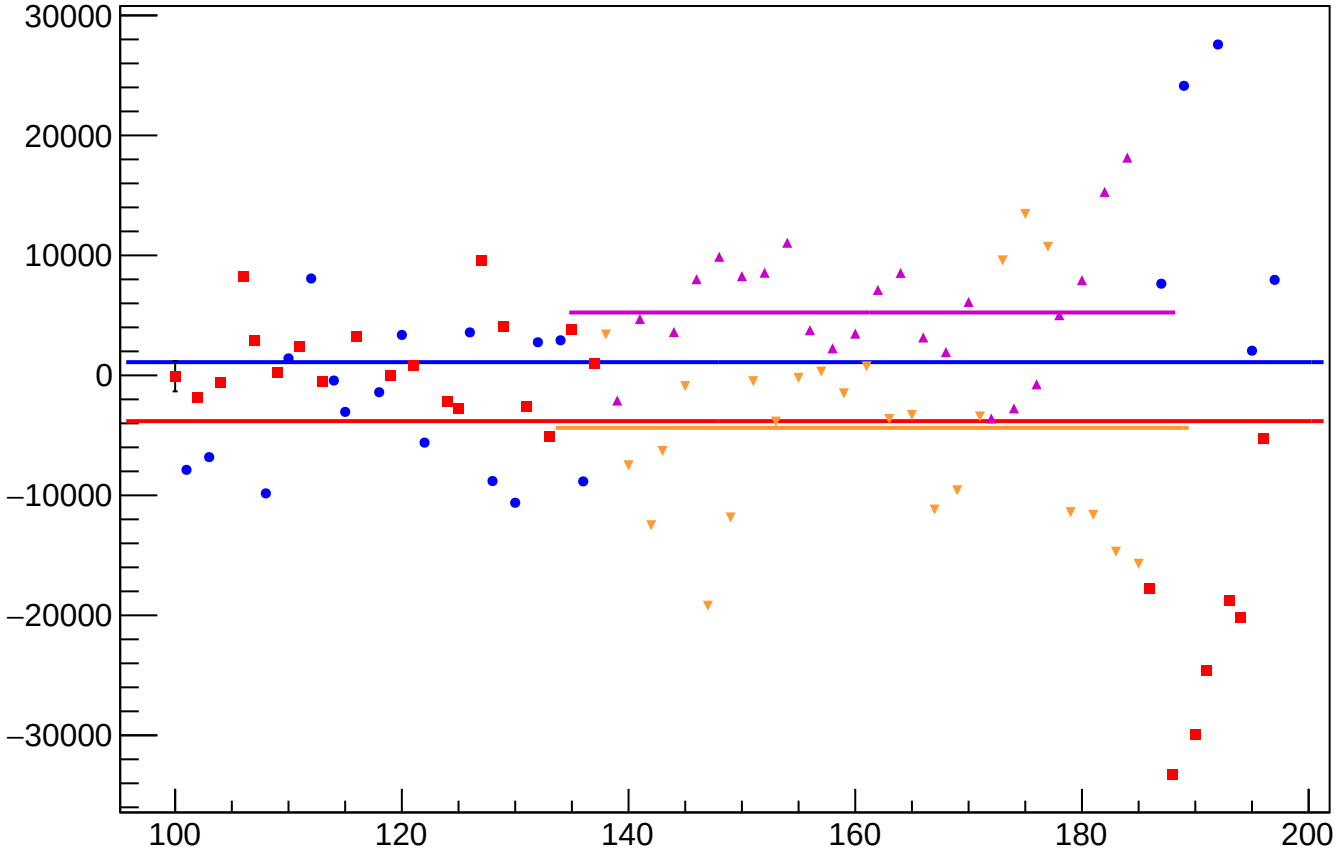
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 129.278+/-0.017 χ^2/NDF: 2457161.2/45

All: 129.291+/-0.012 χ^2/NDF: 5051491.0/94

- sign 129.305+/-0.017 χ^2/NDF: 2594328.5/48

asym_bpm1i04WS_mean vs Slug



Right In: 1101.198+/-35.365 χ^2/NDF: 74994.8/20

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -3814.063+/-33.271 χ^2/NDF: 109010.1/25

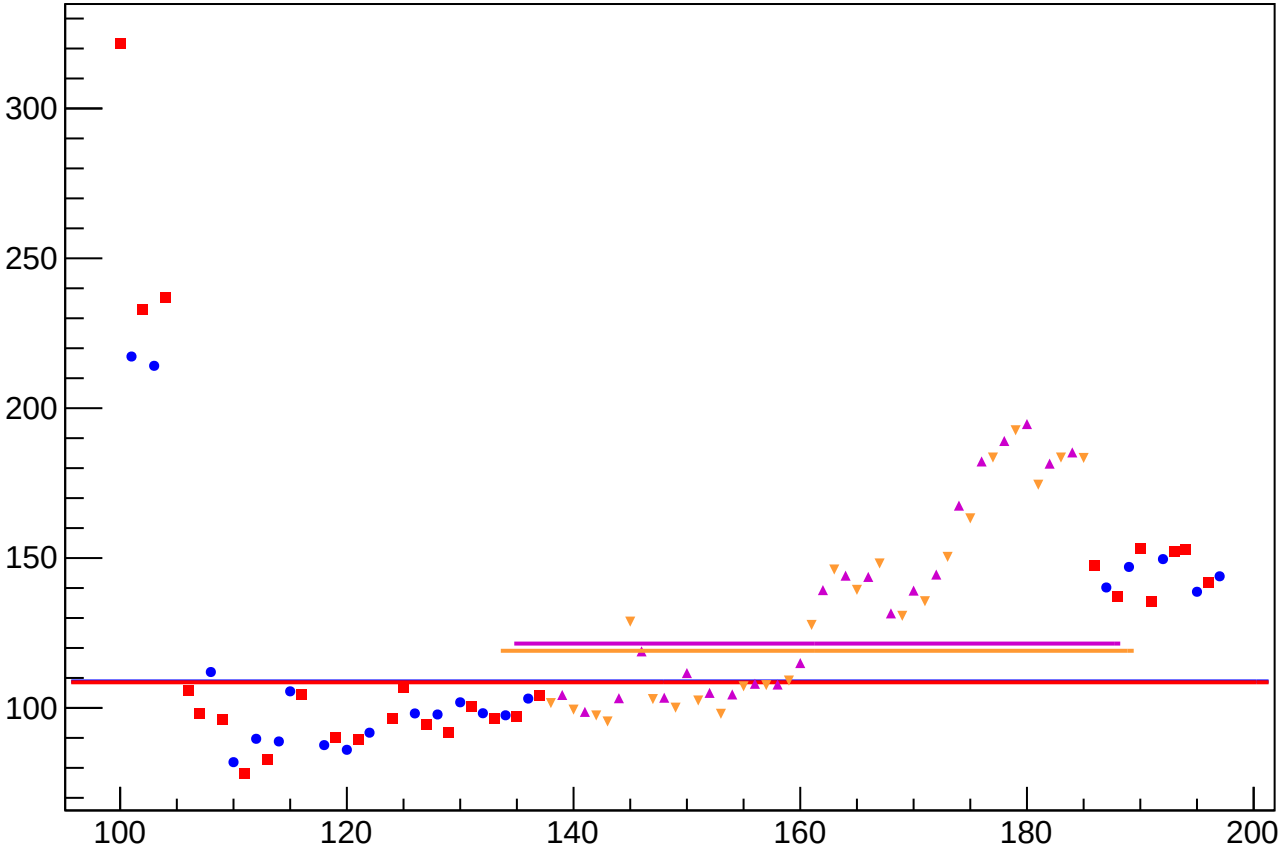
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -2267.715+/-21.931 χ^2/NDF: 156957.9/45

All: -490.624+/-15.521 χ^2/NDF: 343162.0/94

- sign 1292.541+/-21.968 χ^2/NDF: 173049.7/48

asym_bpm1i04WS_rms vs Slug



Right In: 108.831+/-0.025 χ^2/NDF: 1327807.2/20

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 108.550+/-0.024 χ^2/NDF: 1684070.5/25

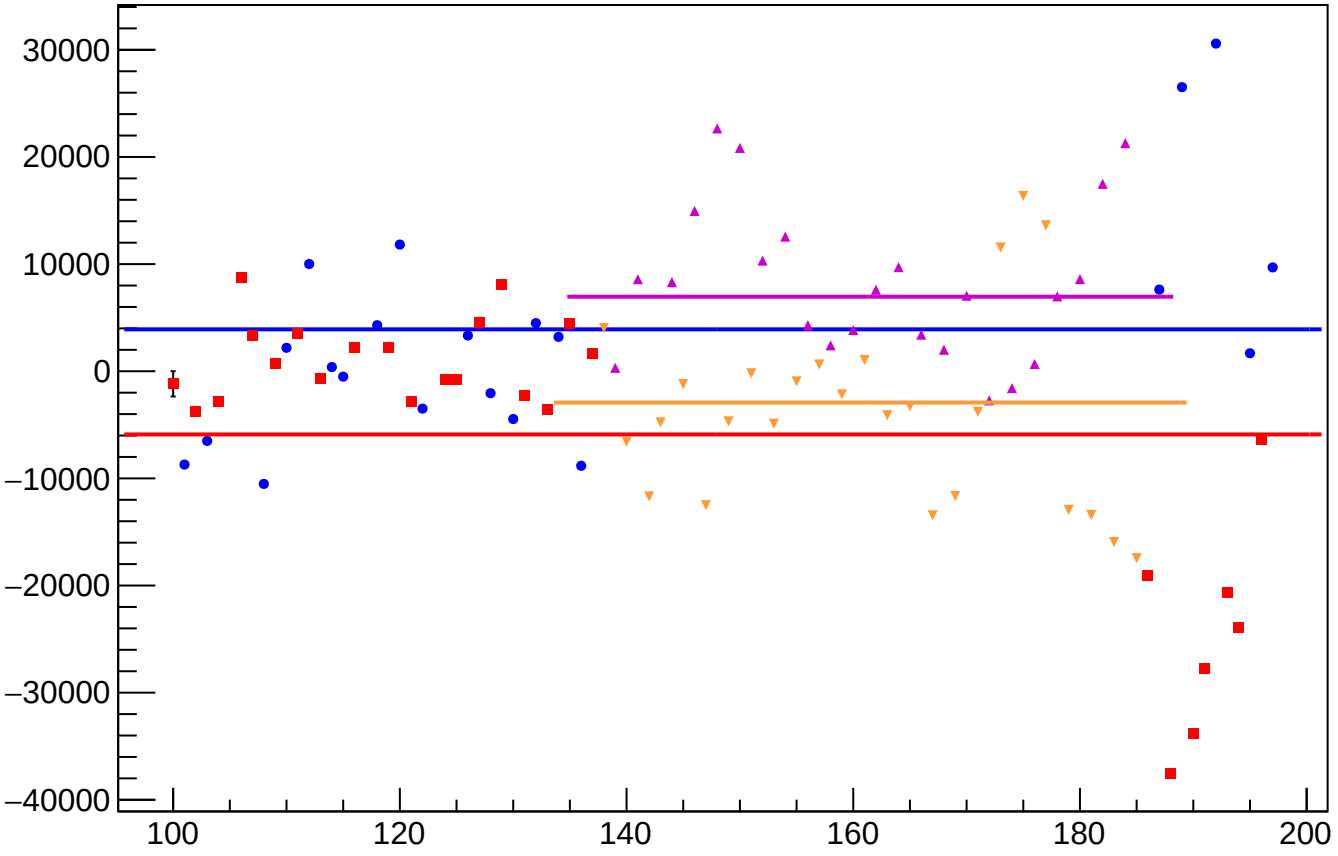
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 115.129+/-0.016 χ^2/NDF: 3186290.1/45

All: 115.482+/-0.011 χ^2/NDF: 6570831.3/94

- sign 115.836+/-0.016 χ^2/NDF: 3383504.2/48

asym_bpm1i06WS_mean vs Slug



Right In: 3911.592+/-46.593 χ^2/NDF: 55571.9/20

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -5897.687+/-43.918 χ^2/NDF: 90423.3/25

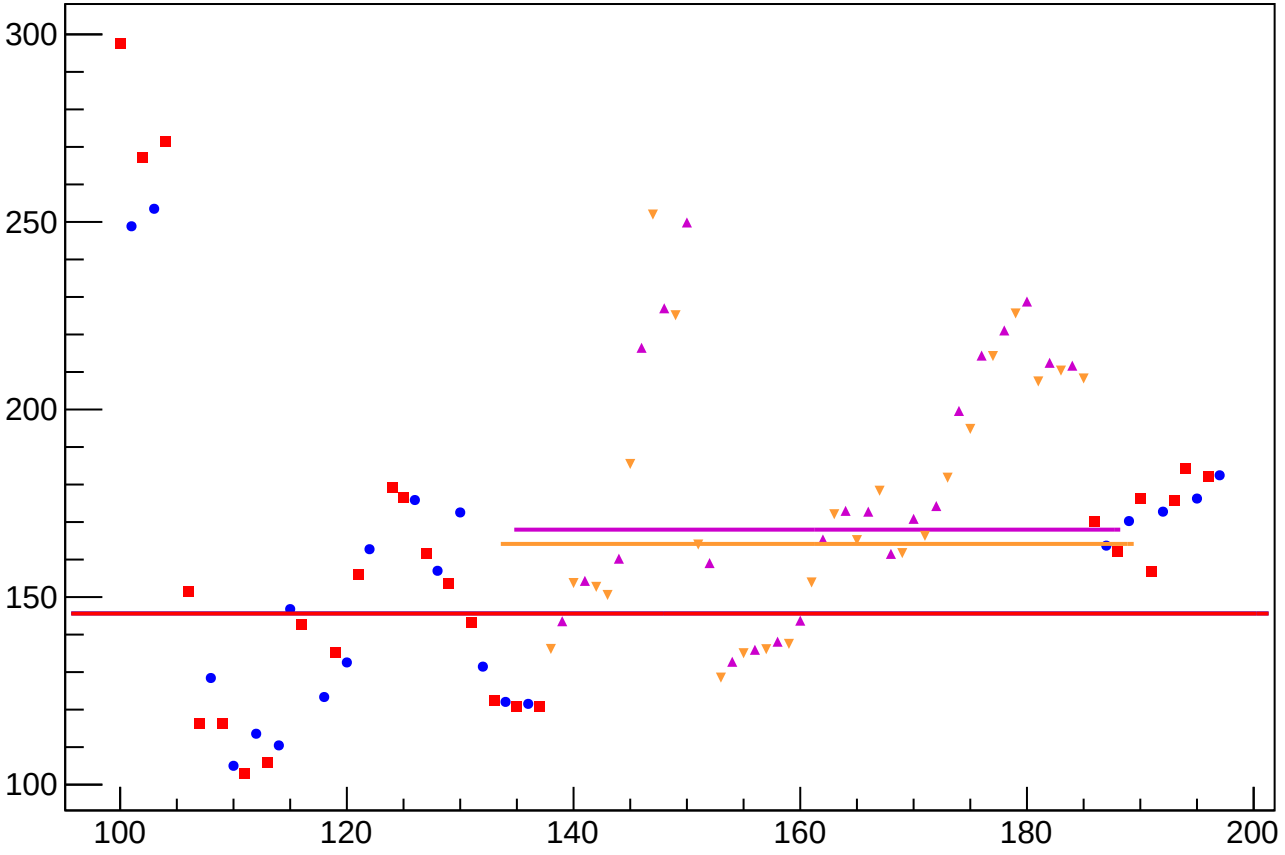
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign -176.991+/-29.534 χ^2/NDF: 106496.3/45

All: 453.354+/-20.932 χ^2/NDF: 266740.2/94

- sign 1089.582+/-29.671 χ^2/NDF: 159328.6/48

asym_bpm1i06WS_rms vs Slug



Right In: 145.645+/-0.033 χ^2/NDF: 1052162.2/20

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 145.603+/-0.031 χ^2/NDF: 1260367.1/25

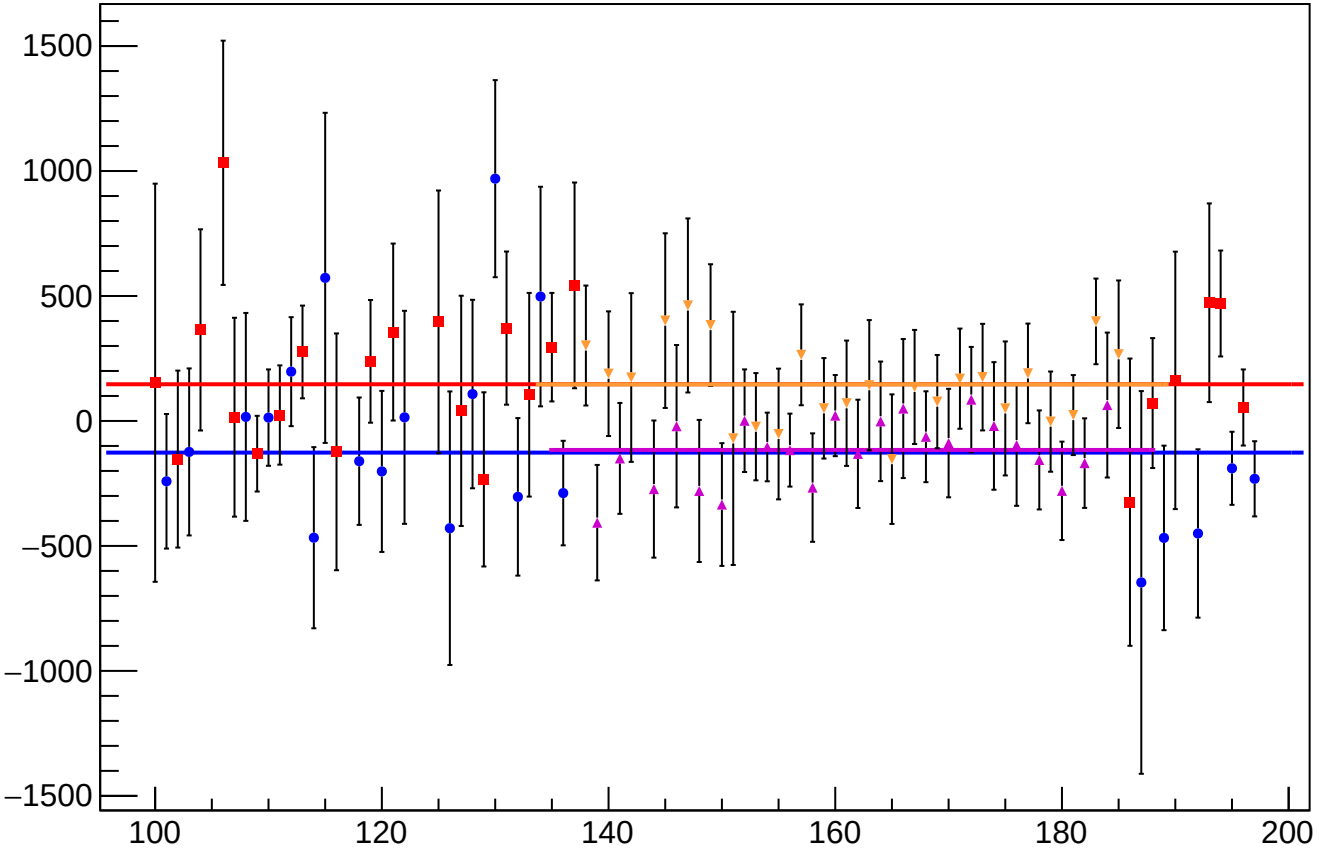
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 156.728+/-0.021 χ^2/NDF: 2465750.2/45

All: 157.243+/-0.015 χ^2/NDF: 5232191.7/94

- sign 157.763+/-0.021 χ^2/NDF: 2765218.2/48

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -126.623+/-59.683 χ^2/NDF: 19.5/20

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 146.861+/-57.070 χ^2/NDF: 17.0/23

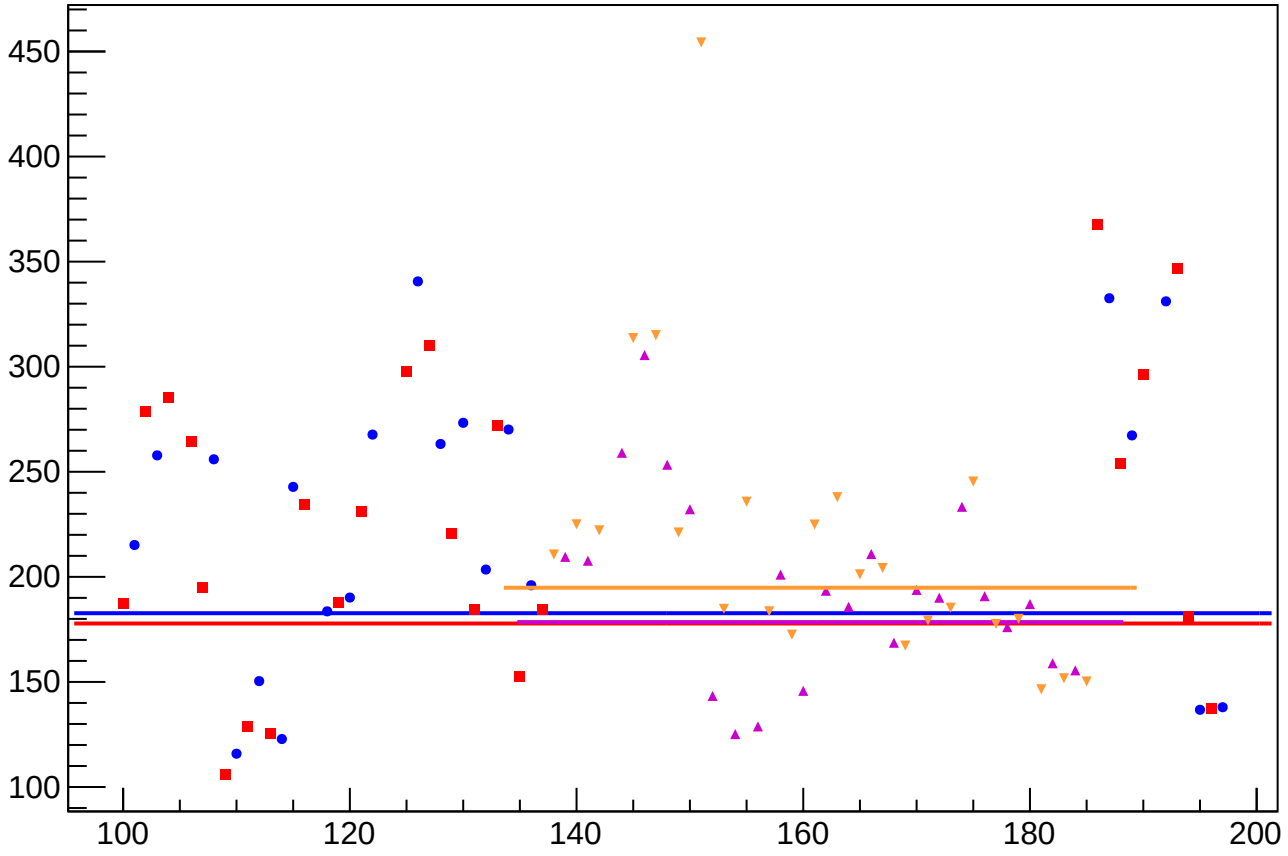
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 42.061+/-36.891 χ^2/NDF: 42.4/44

All: 9.569+/-25.256 χ^2/NDF: 81.8/91

- sign -19.093+/-34.649 χ^2/NDF: 38.0/46

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 182.705+/-0.042 χ^2/NDF: 2032435.8/20

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 177.805+/-0.040 χ^2/NDF: 2615170.9/23

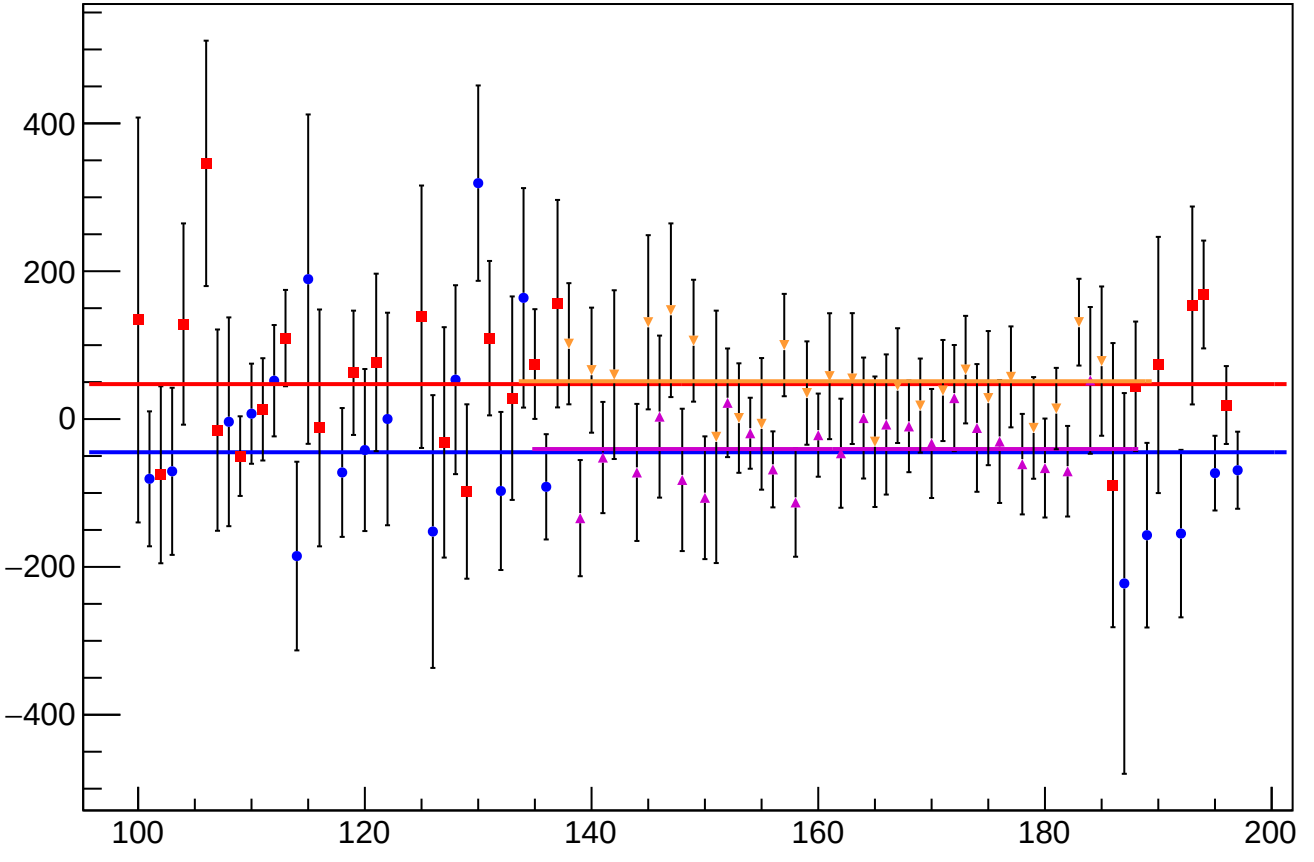
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

\+ sign 190.197+/-0.026 χ^2/NDF: 3835904.8/44

All: 183.838+/-0.018 χ^2/NDF: 8239364.2/91

\- sign 178.228+/-0.025 χ^2/NDF: 4291611.8/46

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -44.885+/-20.490 χ^2/NDF: 19.0/20

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 47.284+/-19.679 χ^2/NDF: 17.0/23

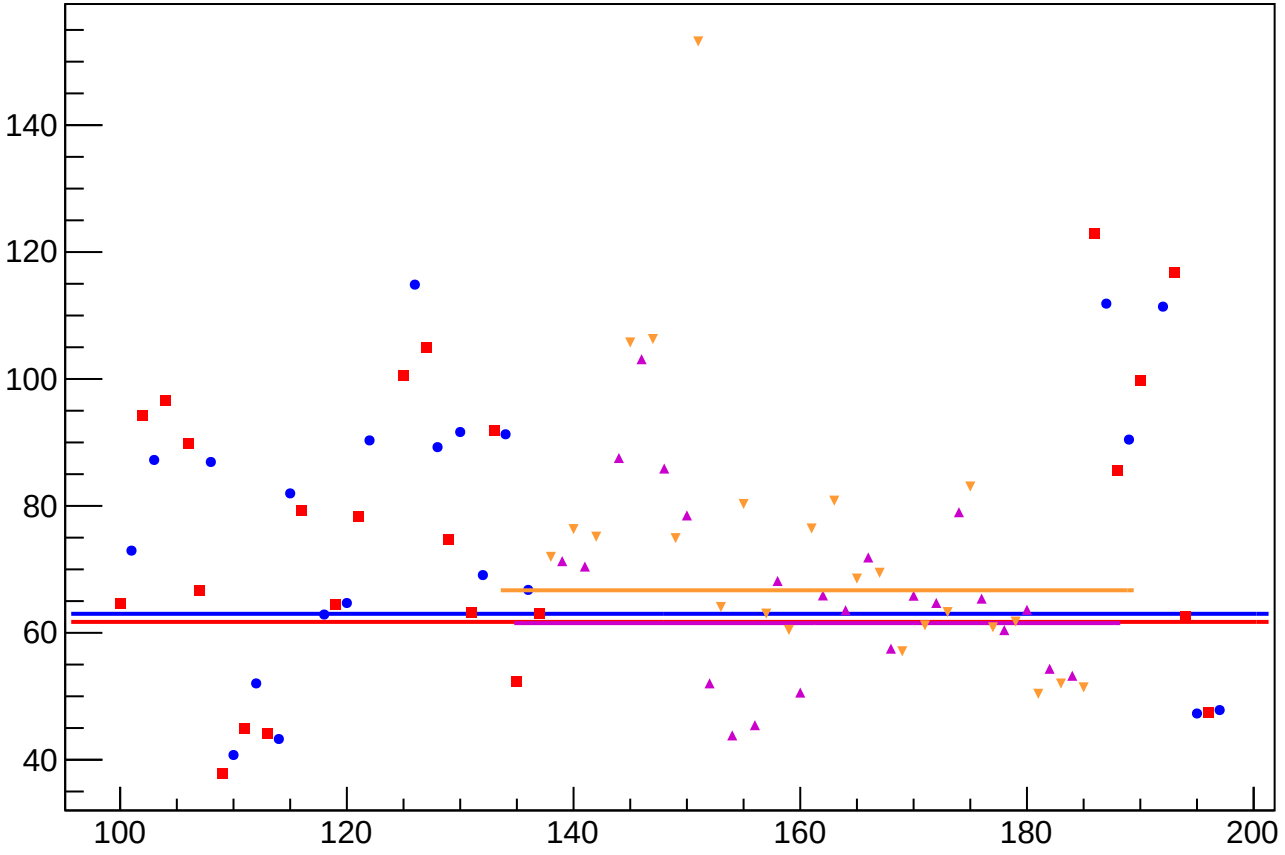
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 14.675+/-12.629 χ^2/NDF: 40.7/44

All: 2.509+/-8.668 χ^2/NDF: 79.9/91

- sign -8.326+/-11.918 χ^2/NDF: 37.4/46

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 62.999+/-0.014 χ^2/NDF: 1883840.8/20

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 61.724+/-0.014 χ^2/NDF: 2396104.7/23

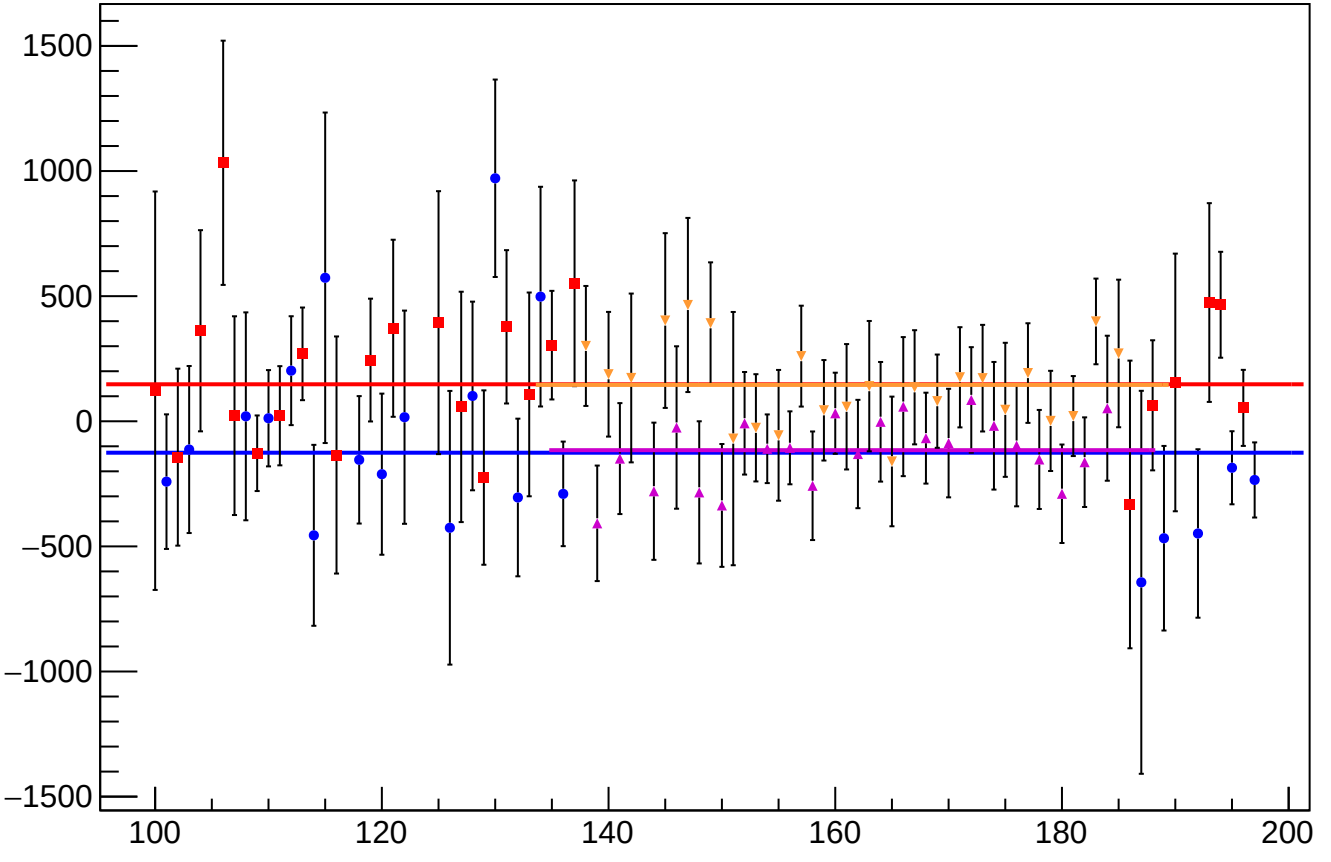
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 65.296+/-0.009 χ^2/NDF: 3600705.1/44

All: 63.341+/-0.006 χ^2/NDF: 7577362.2/91

- sign 61.600+/-0.008 χ^2/NDF: 3886077.6/46

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -125.626+/-59.612 χ^2/NDF: 19.5/20

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 147.837+/-57.000 χ^2/NDF: 17.0/23

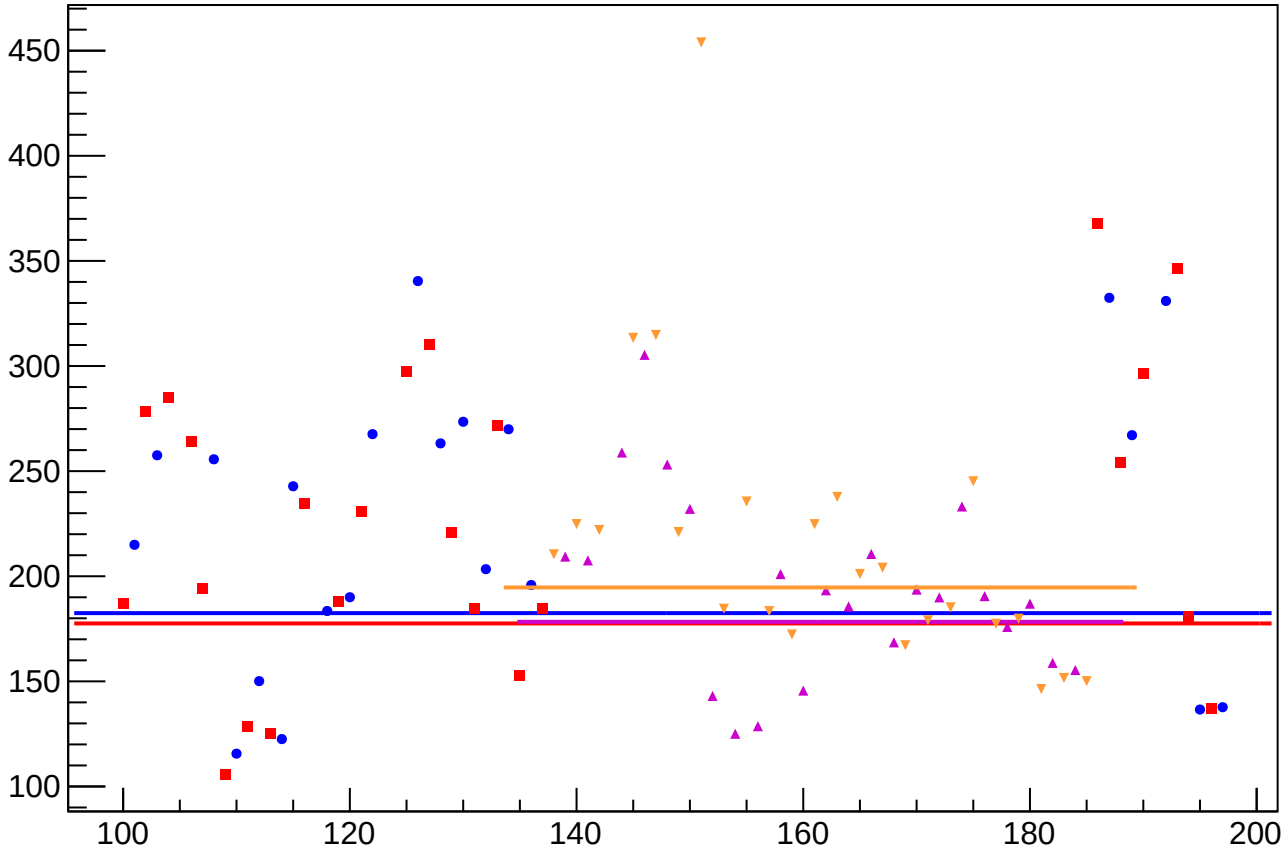
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 41.856+/-36.854 χ^2/NDF: 42.5/44

All: 9.852+/-25.231 χ^2/NDF: 82.2/91

- sign -18.380+/-34.615 χ^2/NDF: 38.2/46

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 182.457+/-0.042 χ^2/NDF: 2038659.1/20

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 177.549+/-0.040 χ^2/NDF: 2623547.1/23

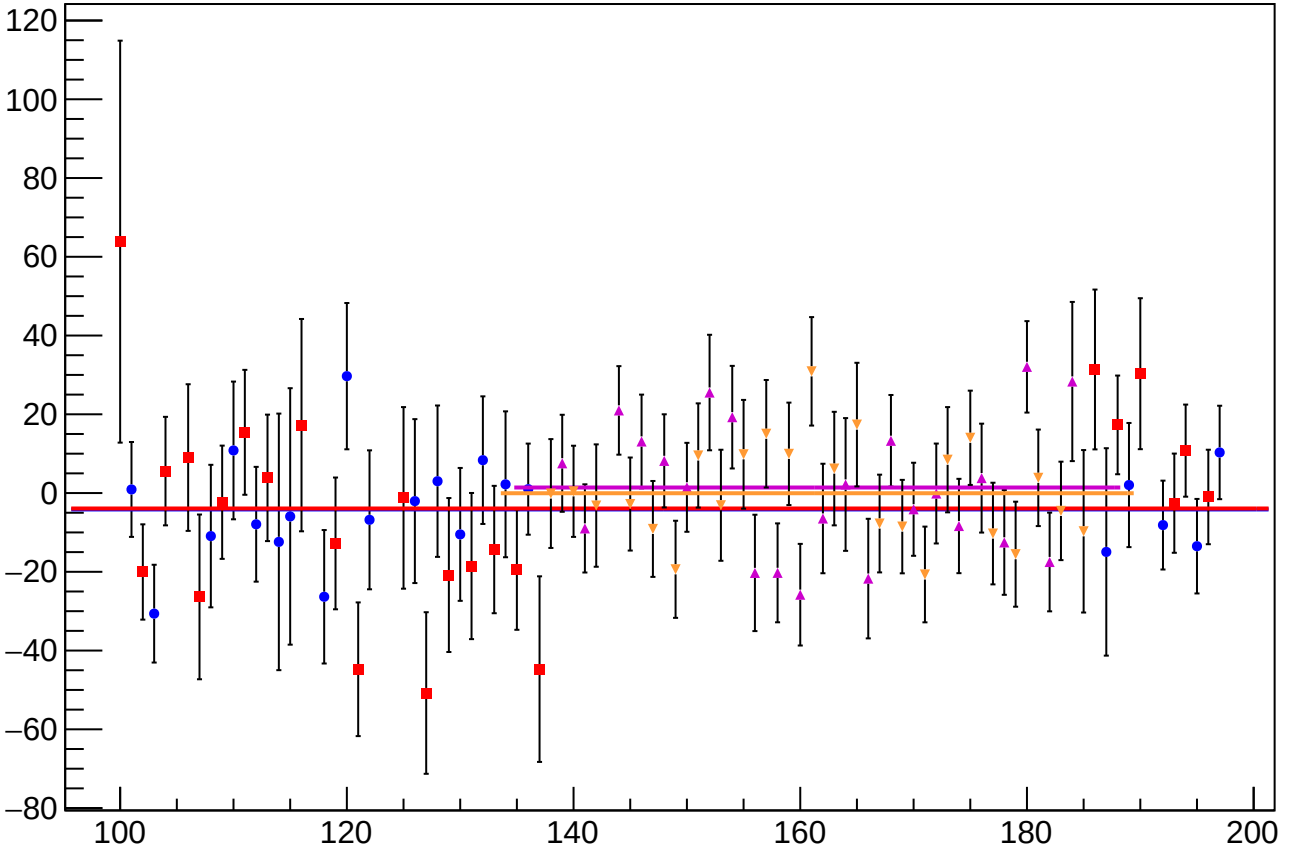
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

\+ sign 189.995+/-0.026 χ^2/NDF: 3843549.6/44

All: 183.640+/-0.018 χ^2/NDF: 8257590.6/91

\- sign 178.034+/-0.024 χ^2/NDF: 4302113.5/46

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.163+/-3.411 χ^2/NDF: 14.5/20

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -3.922+/-3.324 χ^2/NDF: 35.8/23

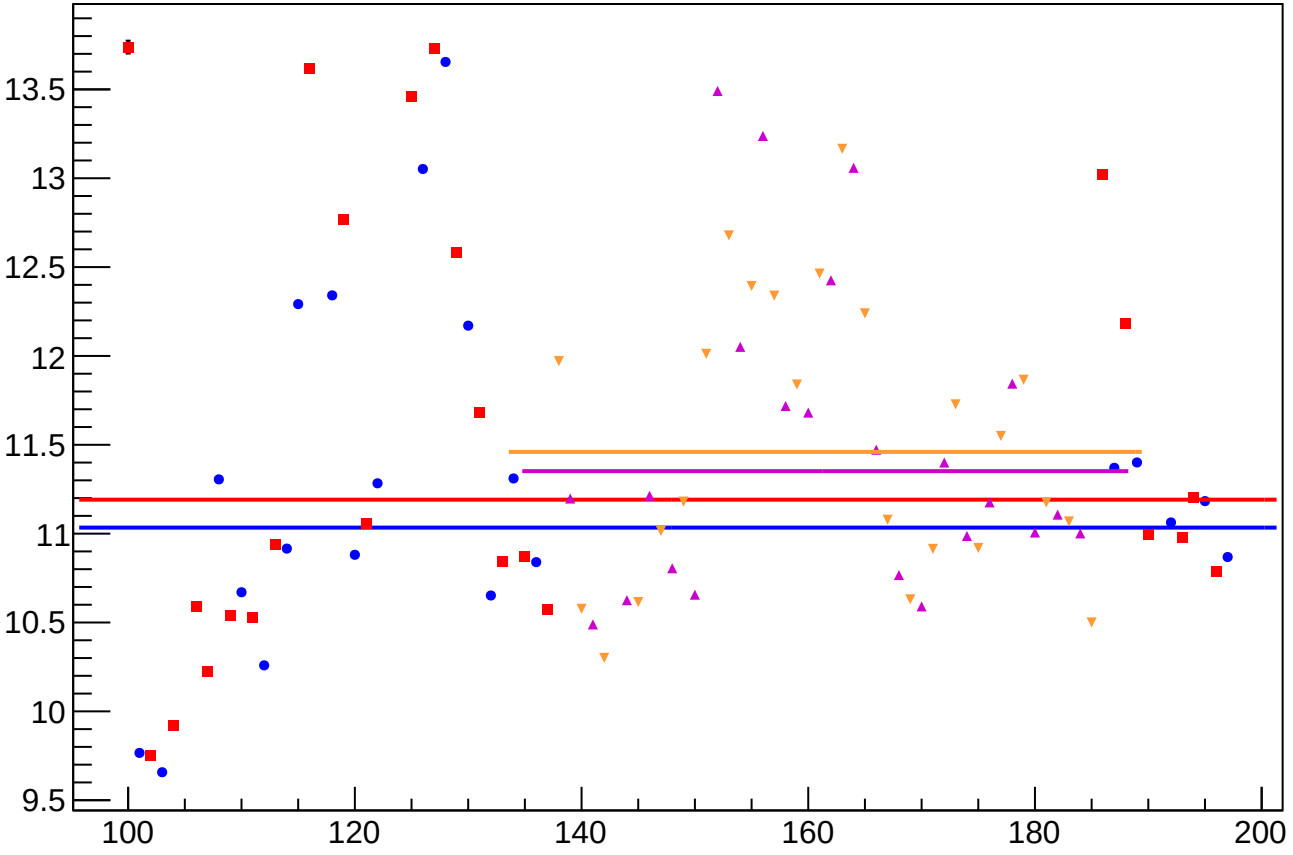
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.622+/-2.110 χ^2/NDF: 35.9/44

All: -1.148+/-1.482 χ^2/NDF: 109.7/91

- sign -0.687+/-2.083 χ^2/NDF: 73.7/46

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 11.034+/-0.002 χ^2/NDF: 138422.0/20

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

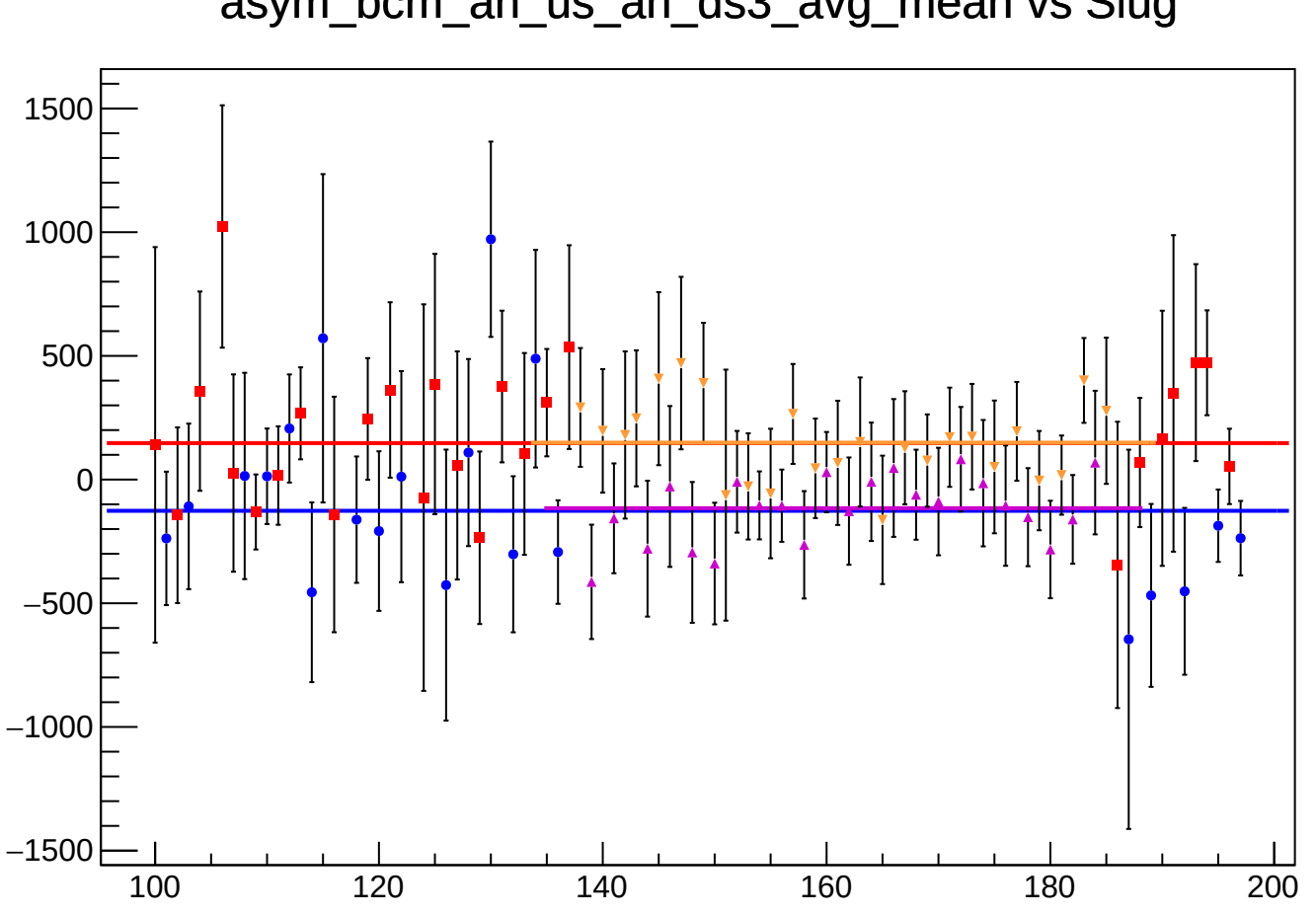
Right Out: 11.191+/-0.002 χ^2/NDF: 195366.5/23

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.297+/-0.001 χ^2/NDF: 308128.0/44

All: 11.293+/-0.001 χ^2/NDF: 676904.8/91

- sign 11.289+/-0.001 χ^2/NDF: 368760.8/46



Right In: -126.274+/-59.774 χ^2/NDF: 19.5/20

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 147.443+/-56.792 χ^2/NDF: 17.2/25

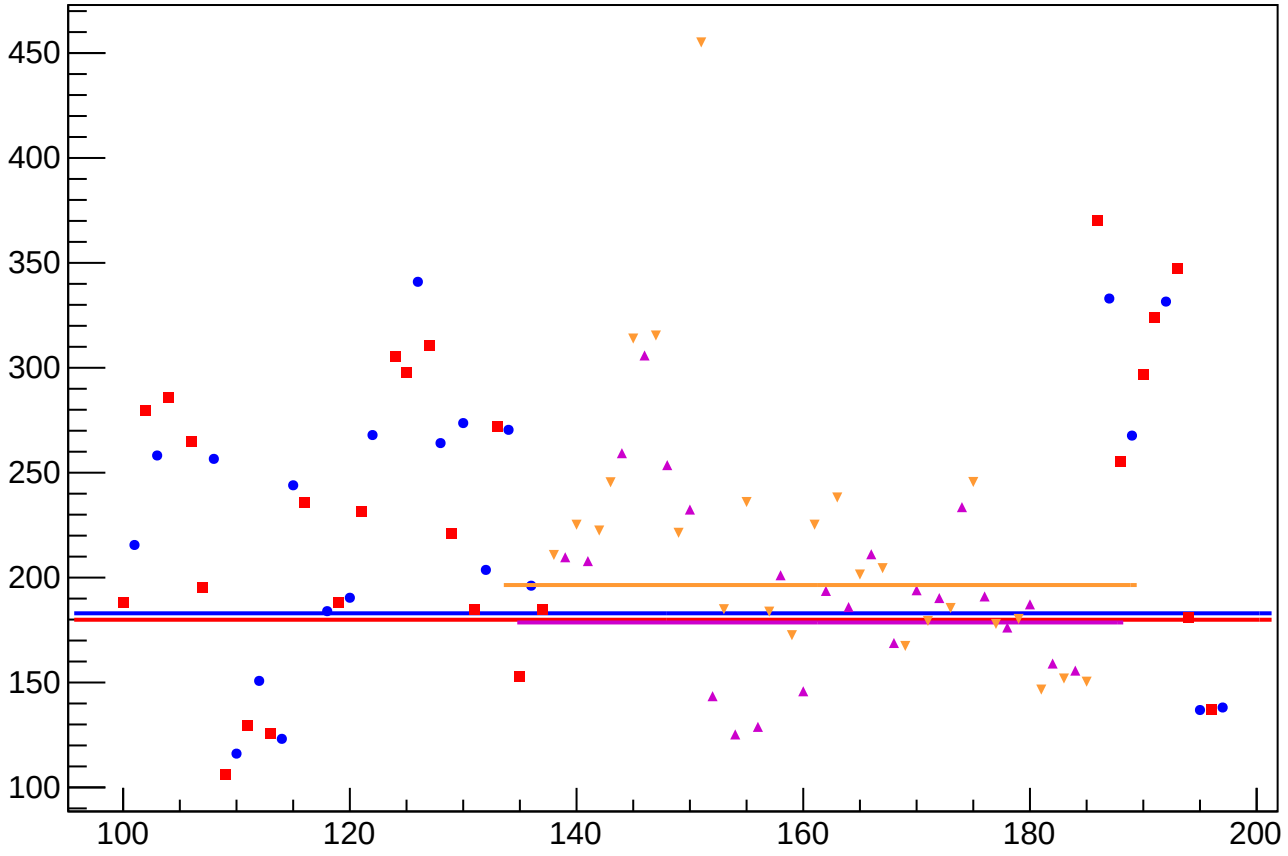
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 45.698+/-36.607 χ^2/NDF: 43.2/45

All: 12.054+/-25.147 χ^2/NDF: 83.4/94

- sign -18.010+/-34.604 χ^2/NDF: 38.5/48

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 182.981+/-0.042 χ^2/NDF: 2032820.9/20

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 179.912+/-0.040 χ^2/NDF: 2774585.0/25

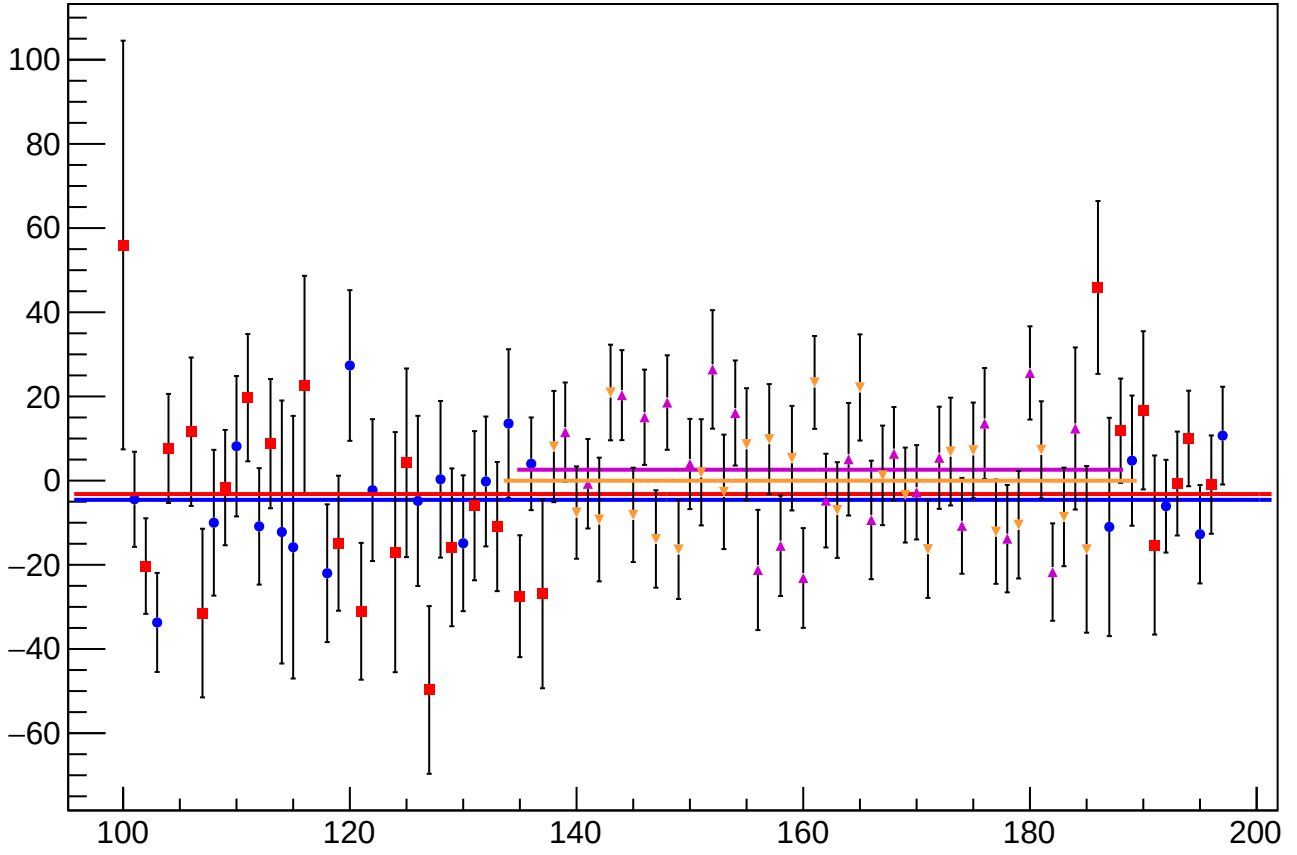
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

\+ sign 191.401+/-0.026 χ^2/NDF: 3915066.4/45

All: 184.903+/-0.018 χ^2/NDF: 8488515.1/94

\- sign 179.096+/-0.024 χ^2/NDF: 4454101.7/48

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -4.566+/-3.277 χ^2/NDF: 16.4/20

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.186+/-3.142 χ^2/NDF: 35.1/25

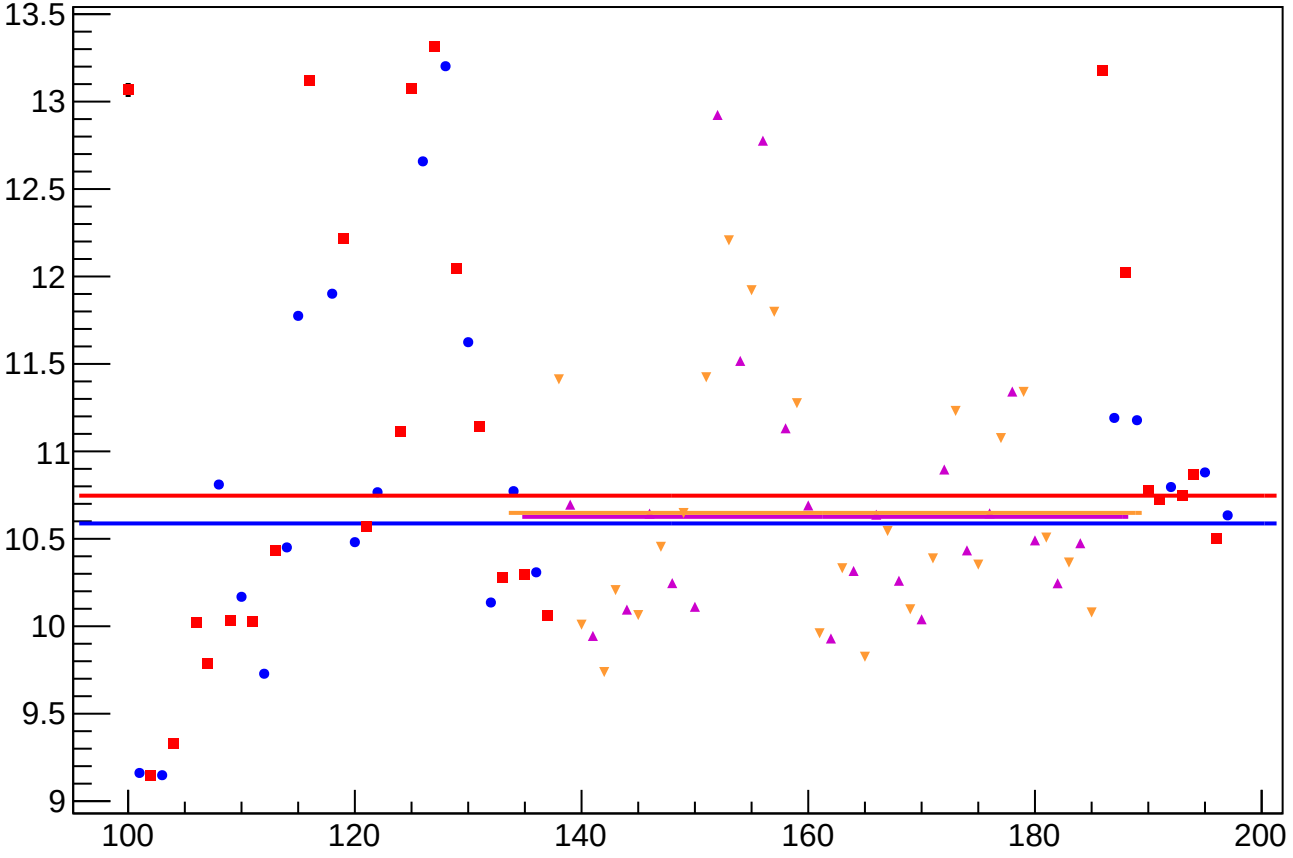
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.644+/-1.960 χ^2/NDF: 41.4/45

All: -0.649+/-1.385 χ^2/NDF: 113.8/94

- sign 0.345+/-1.959 χ^2/NDF: 71.9/48

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.588+/-0.002 χ^2/NDF: 165126.4/20

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.747+/-0.002 χ^2/NDF: 242619.1/25

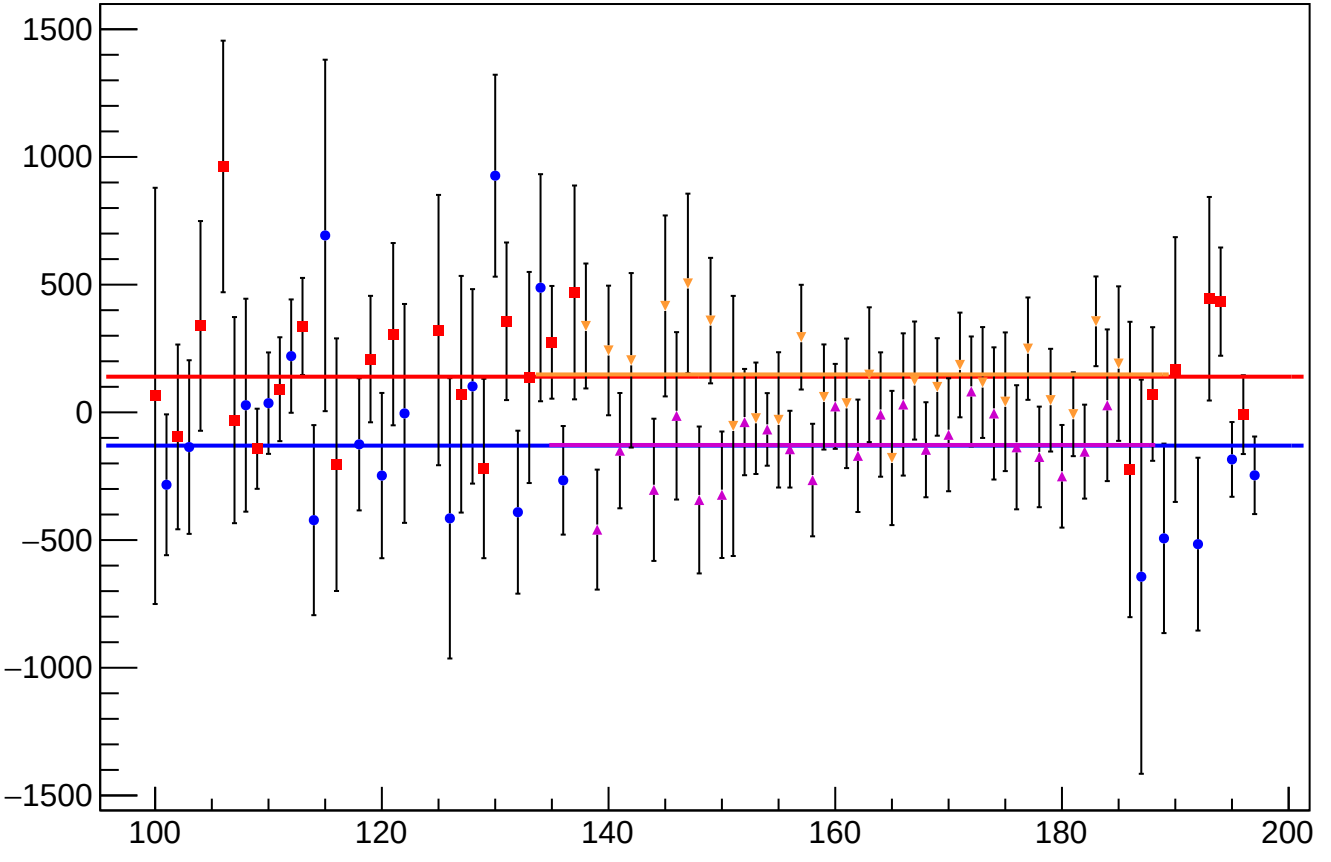
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.627+/-0.001 χ^2/NDF: 309098.2/45

All: 10.650+/-0.001 χ^2/NDF: 713627.9/94

- sign 10.673+/-0.001 χ^2/NDF: 403977.1/48

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -130.252+/-60.425 χ^2/NDF: 20.1/20

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 139.652+/-58.028 χ^2/NDF: 15.4/23

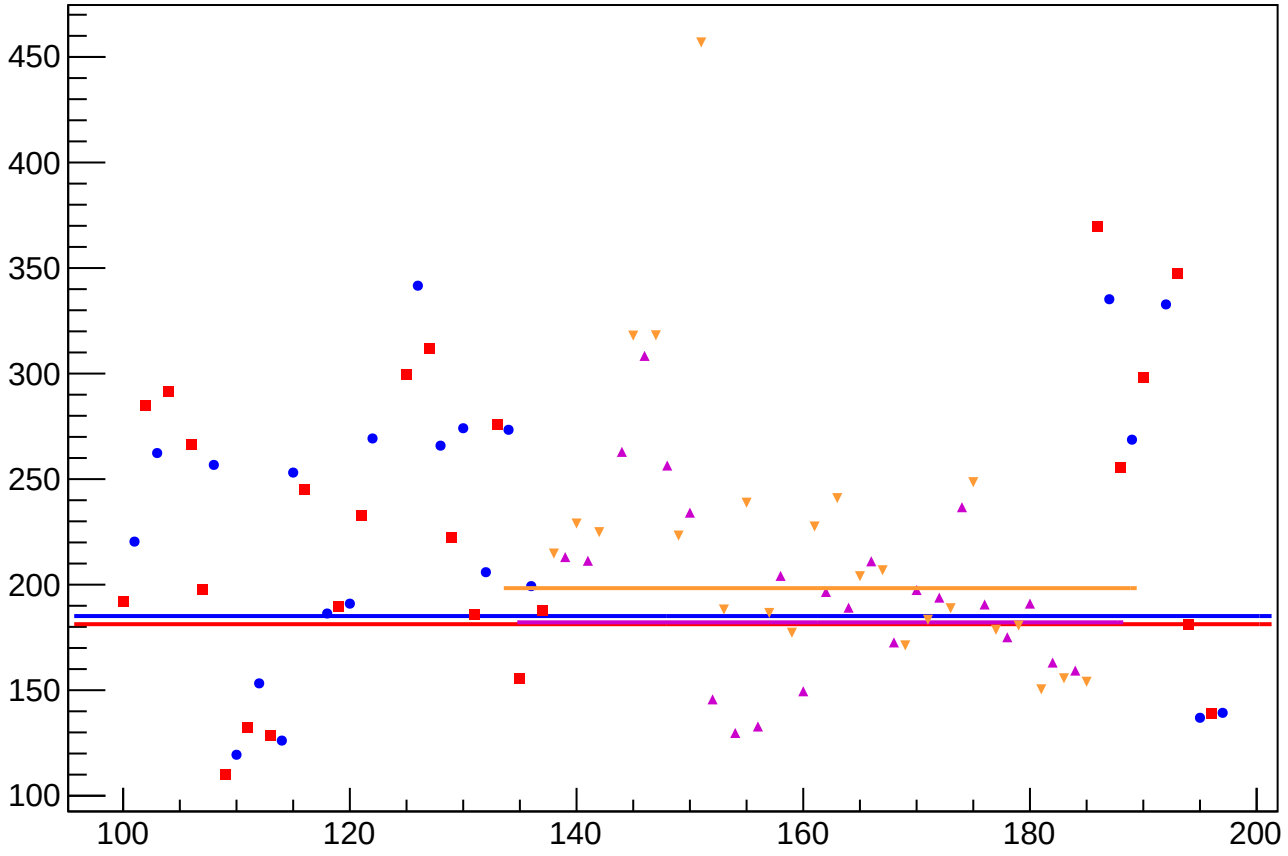
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 41.389+/-37.450 χ^2/NDF: 43.1/44

All: 4.140+/-25.678 χ^2/NDF: 81.6/91

- sign -28.909+/-35.275 χ^2/NDF: 36.6/46

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 185.125+/-0.043 χ^2/NDF: 2009955.4/20

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 181.274+/-0.041 χ^2/NDF: 2527119.4/23

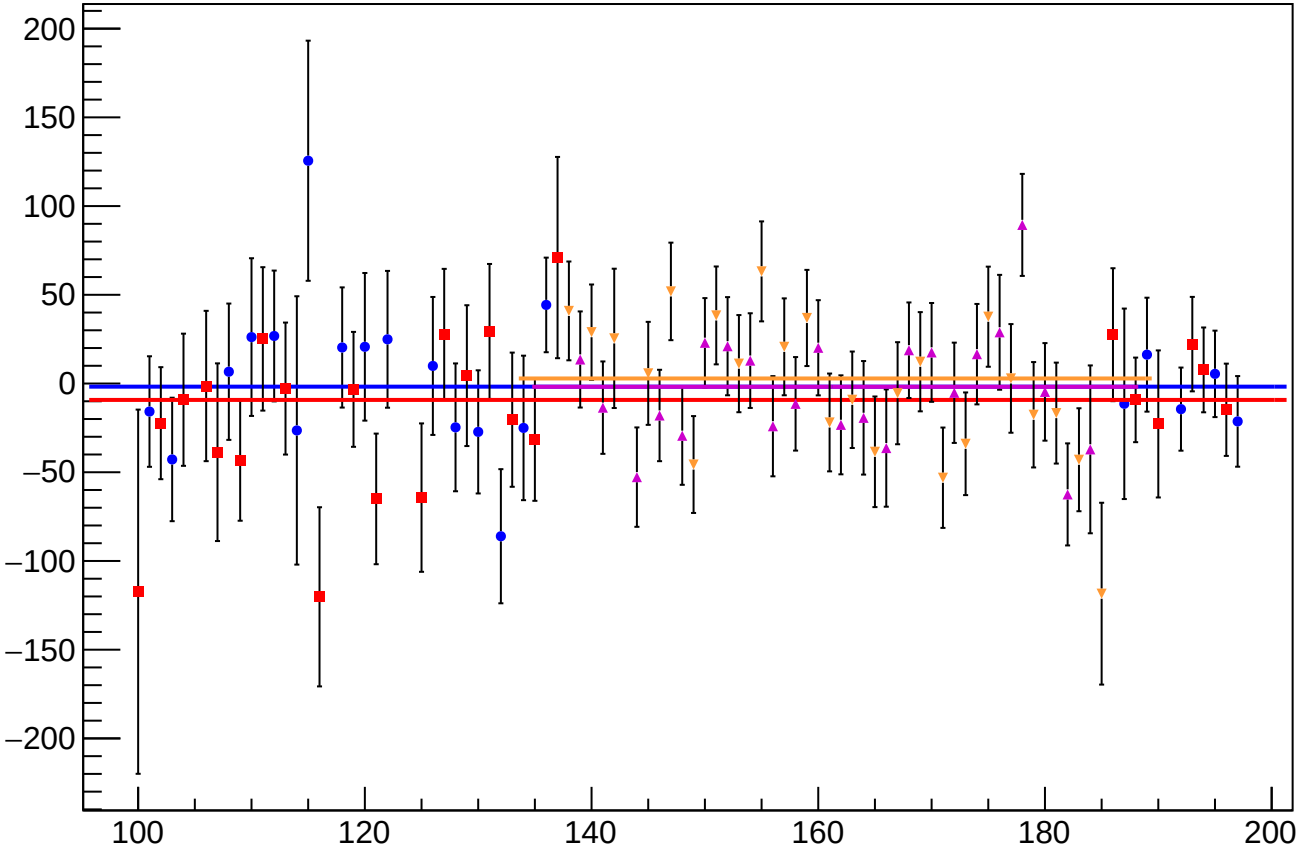
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 193.271+/-0.026 χ^2/NDF: 3766028.5/44

All: 187.207+/-0.018 χ^2/NDF: 7976763.6/91

- sign 181.826+/-0.025 χ^2/NDF: 4111765.1/46

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -1.763+/-7.533 χ^2/NDF: 18.1/20

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -9.243+/-7.209 χ^2/NDF: 20.0/23

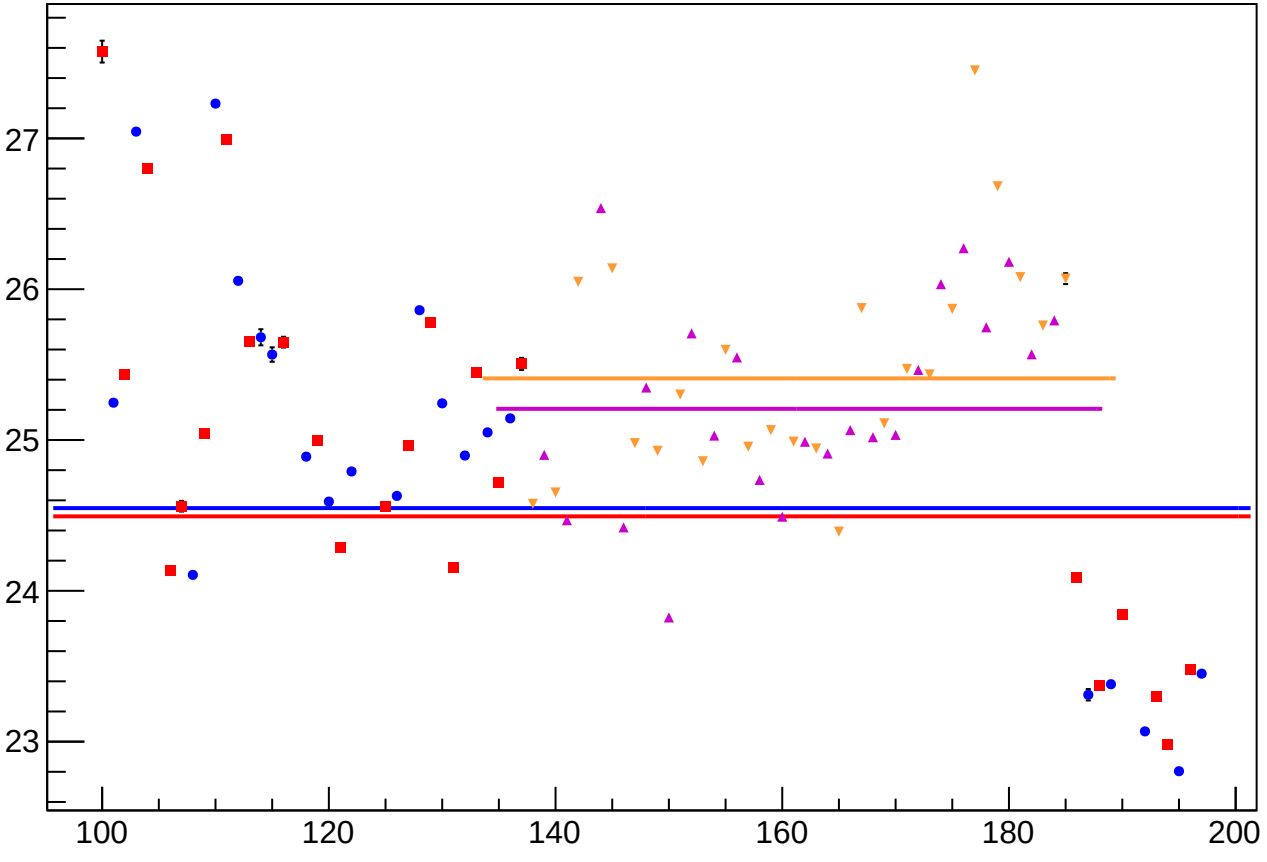
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.095+/-4.647 χ^2/NDF: 55.3/44

All: -1.912+/-3.256 χ^2/NDF: 104.8/91

- sign -4.811+/-4.563 χ^2/NDF: 48.7/46

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.548+/-0.005 χ^2/NDF: 53974.0/20

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.494+/-0.005 χ^2/NDF: 47928.2/23

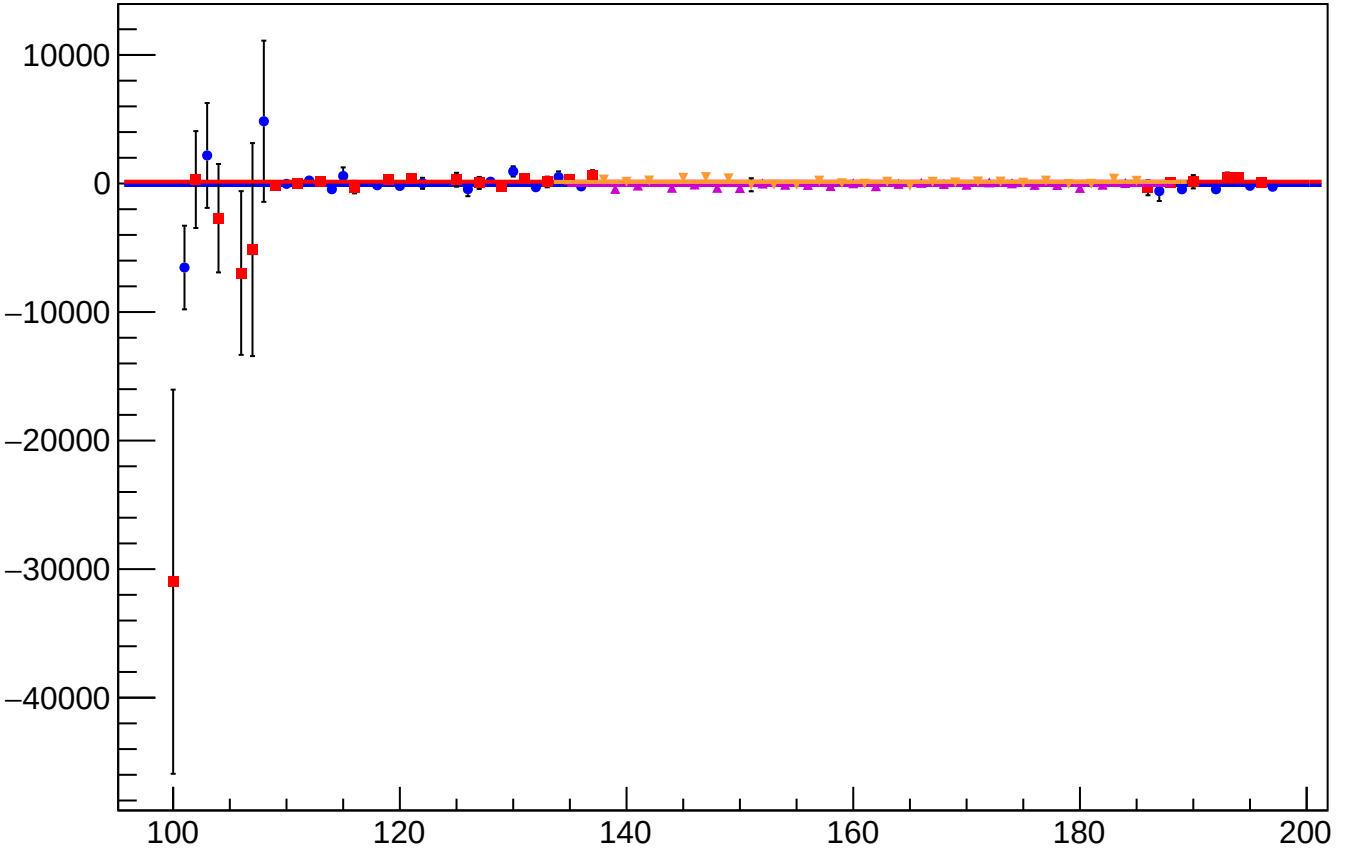
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.081+/-0.003 χ^2/NDF: 96994.5/44

All: 25.000+/-0.002 χ^2/NDF: 183691.9/91

- sign 24.921+/-0.003 χ^2/NDF: 85487.5/46

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -115.490+/-64.251 χ^2/NDF: 22.8/20

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 139.674+/-63.137 χ^2/NDF: 17.9/23

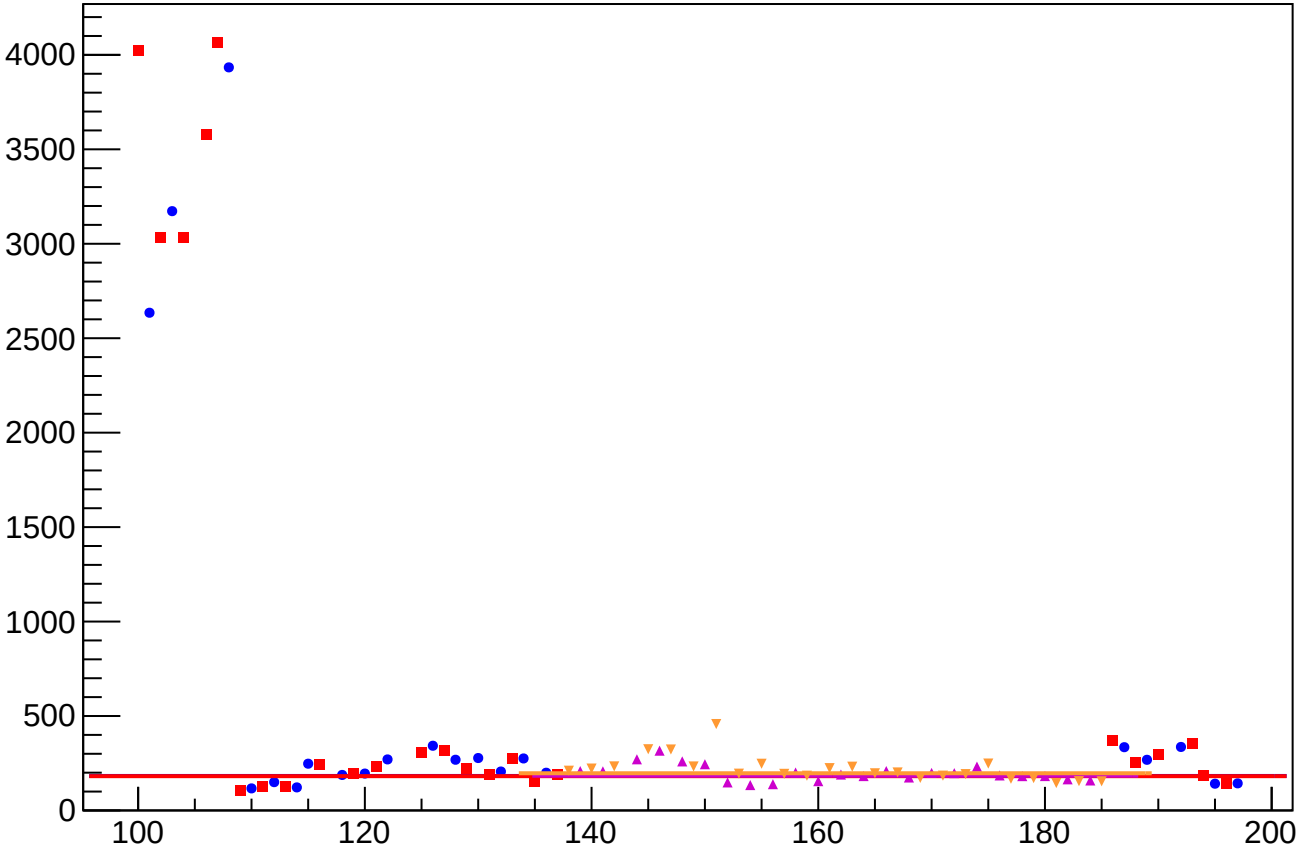
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 37.058+/-38.164 χ^2/NDF: 43.5/44

All: 1.760+/-26.389 χ^2/NDF: 82.4/91

- sign -30.576+/-36.529 χ^2/NDF: 37.3/46

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 182.594+/-0.045 χ^2/NDF: 4713792.0/20

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 181.493+/-0.045 χ^2/NDF: 5234612.4/23

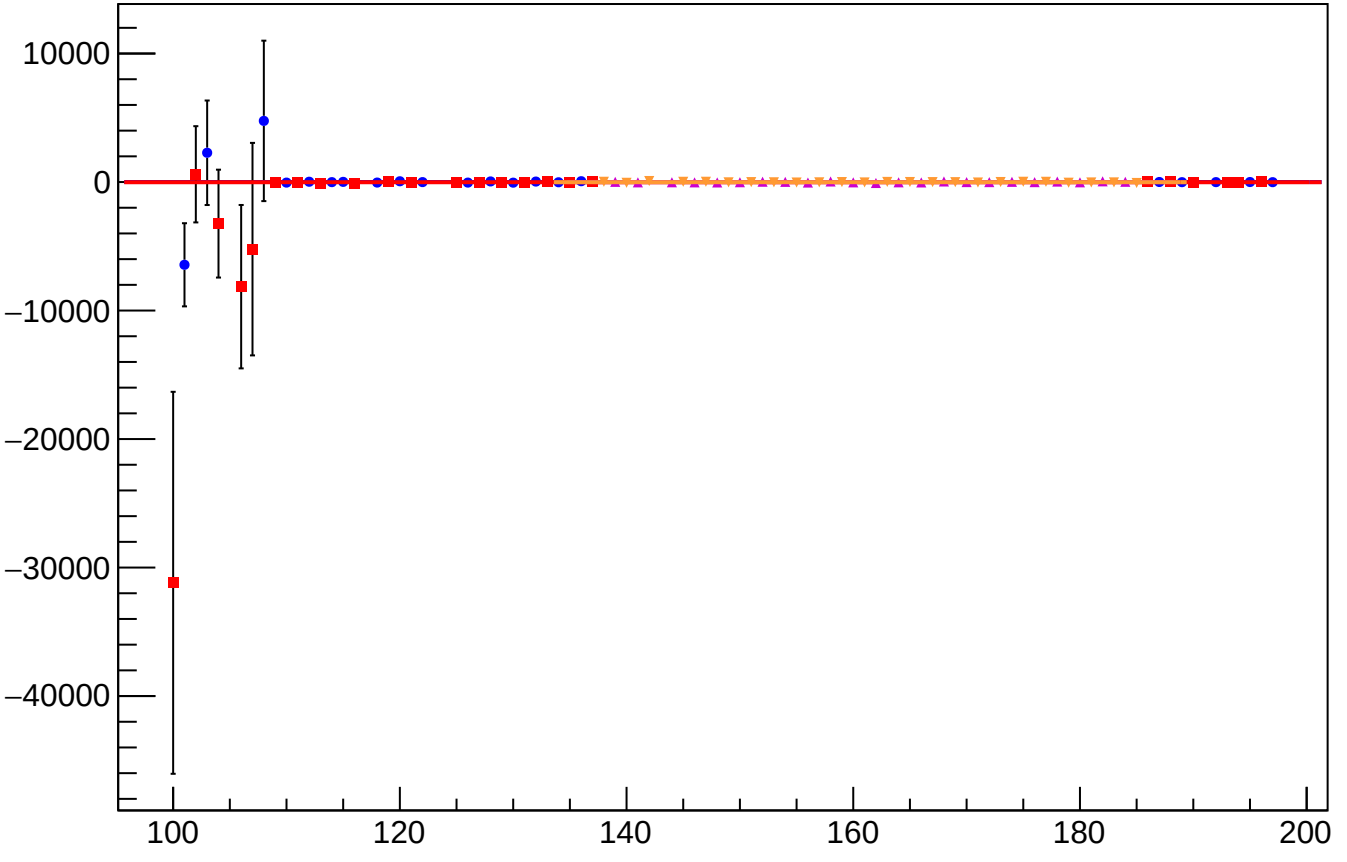
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 191.875+/-0.027 χ^2/NDF: 6587546.3/44

All: 187.345+/-0.019 χ^2/NDF: 13323764.3/91

- sign 183.195+/-0.026 χ^2/NDF: 6682221.4/46

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 1.808+/-9.188 χ^2/NDF: 18.8/20

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -13.633+/-9.018 χ^2/NDF: 27.0/23

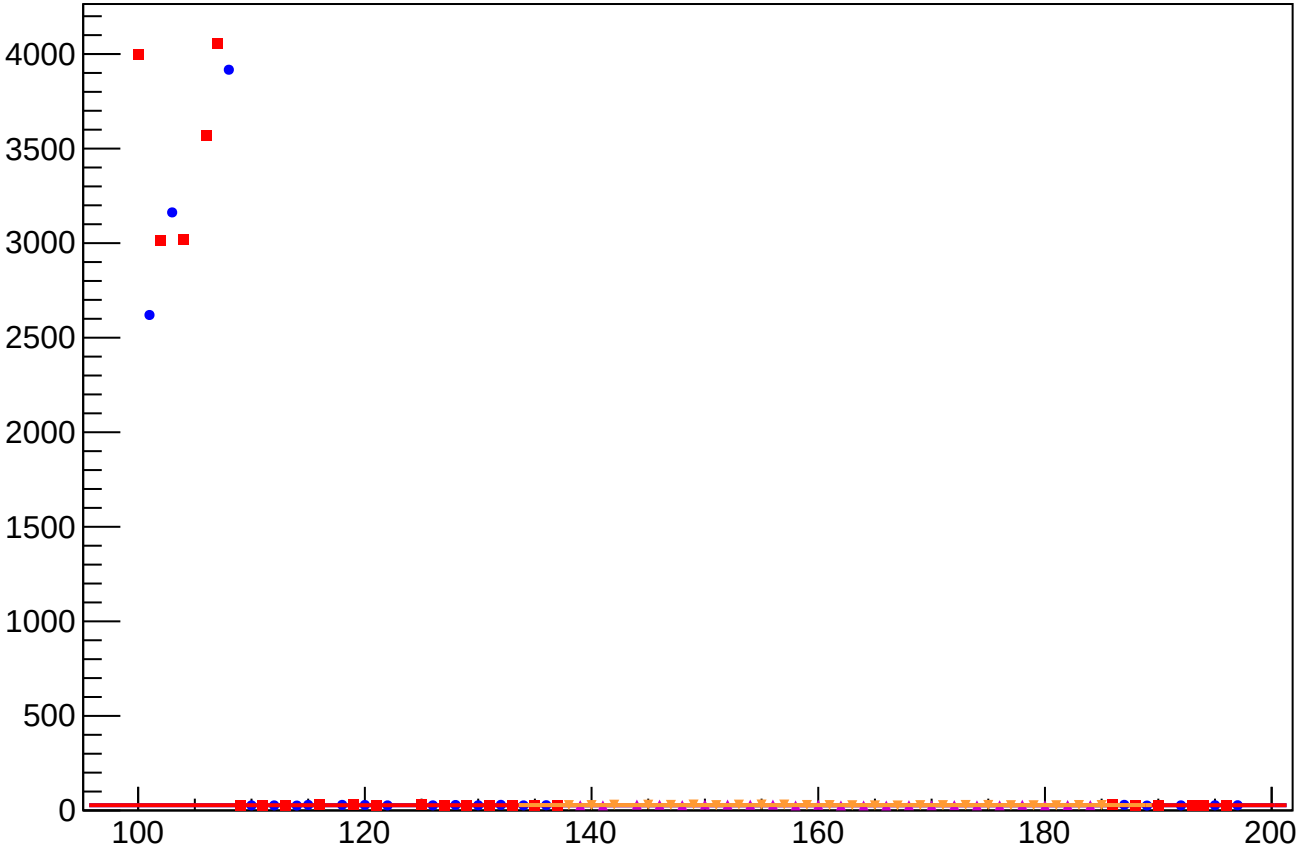
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.667+/-5.389 χ^2/NDF: 37.6/44

All: -6.600+/-3.812 χ^2/NDF: 87.7/91

- sign -6.533+/-5.395 χ^2/NDF: 50.1/46

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.554+/-0.006 χ^2/NDF: 3274767.1/20

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.732+/-0.006 χ^2/NDF: 3575982.9/23

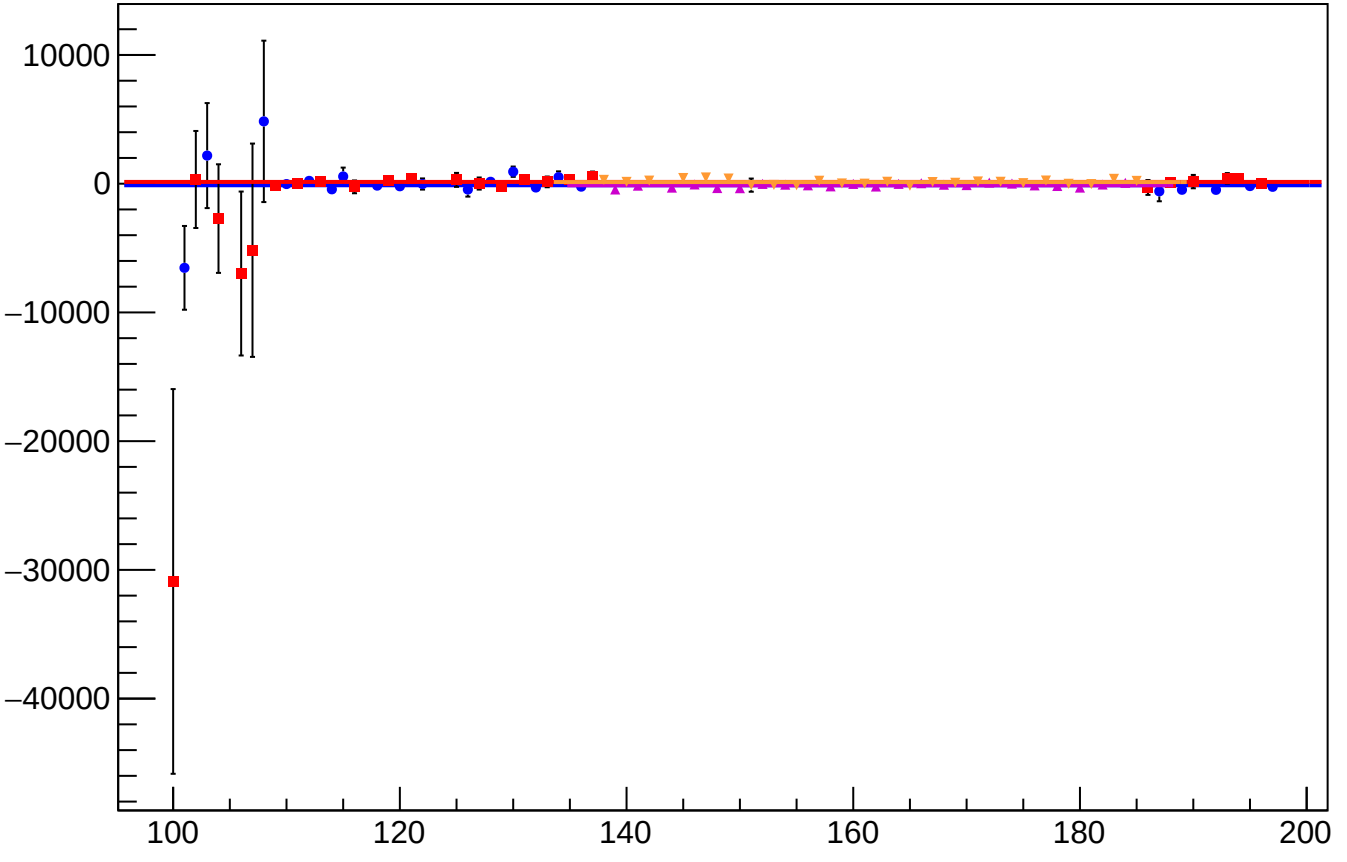
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.235+/-0.004 χ^2/NDF: 3372512.9/44

All: 28.303+/-0.003 χ^2/NDF: 7092175.4/91

\- sign 28.371+/-0.004 χ^2/NDF: 3719025.3/46

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -121.117+/-64.594 χ^2/NDF: 22.7/20

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 138.177+/-63.504 χ^2/NDF: 16.6/23

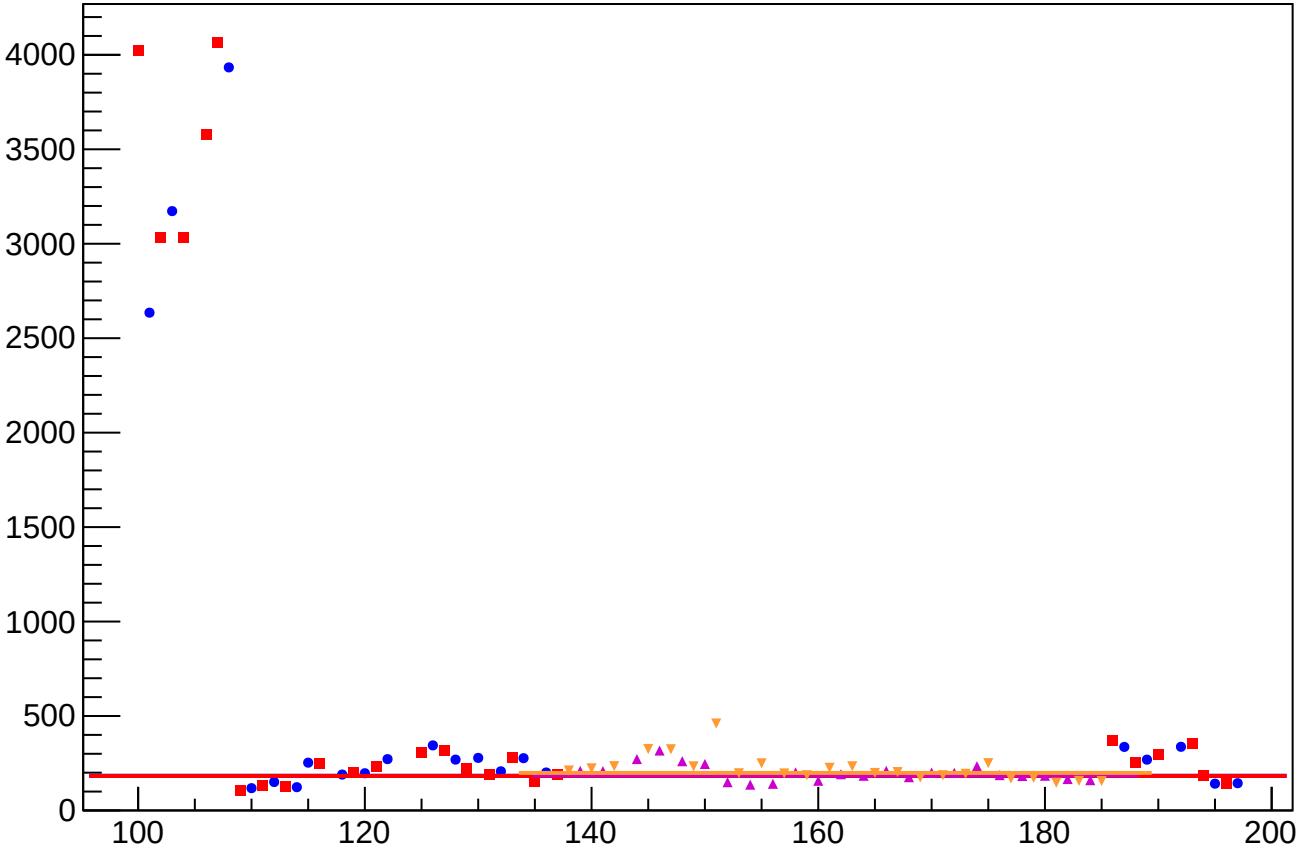
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 38.677+/-38.451 χ^2/NDF: 43.8/44

All: 0.218+/-26.595 χ^2/NDF: 81.5/91

- sign -35.054+/-36.824 χ^2/NDF: 35.8/46

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 183.611+/-0.046 χ^2/NDF: 4707238.3/20

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 182.670+/-0.045 χ^2/NDF: 5215939.9/23

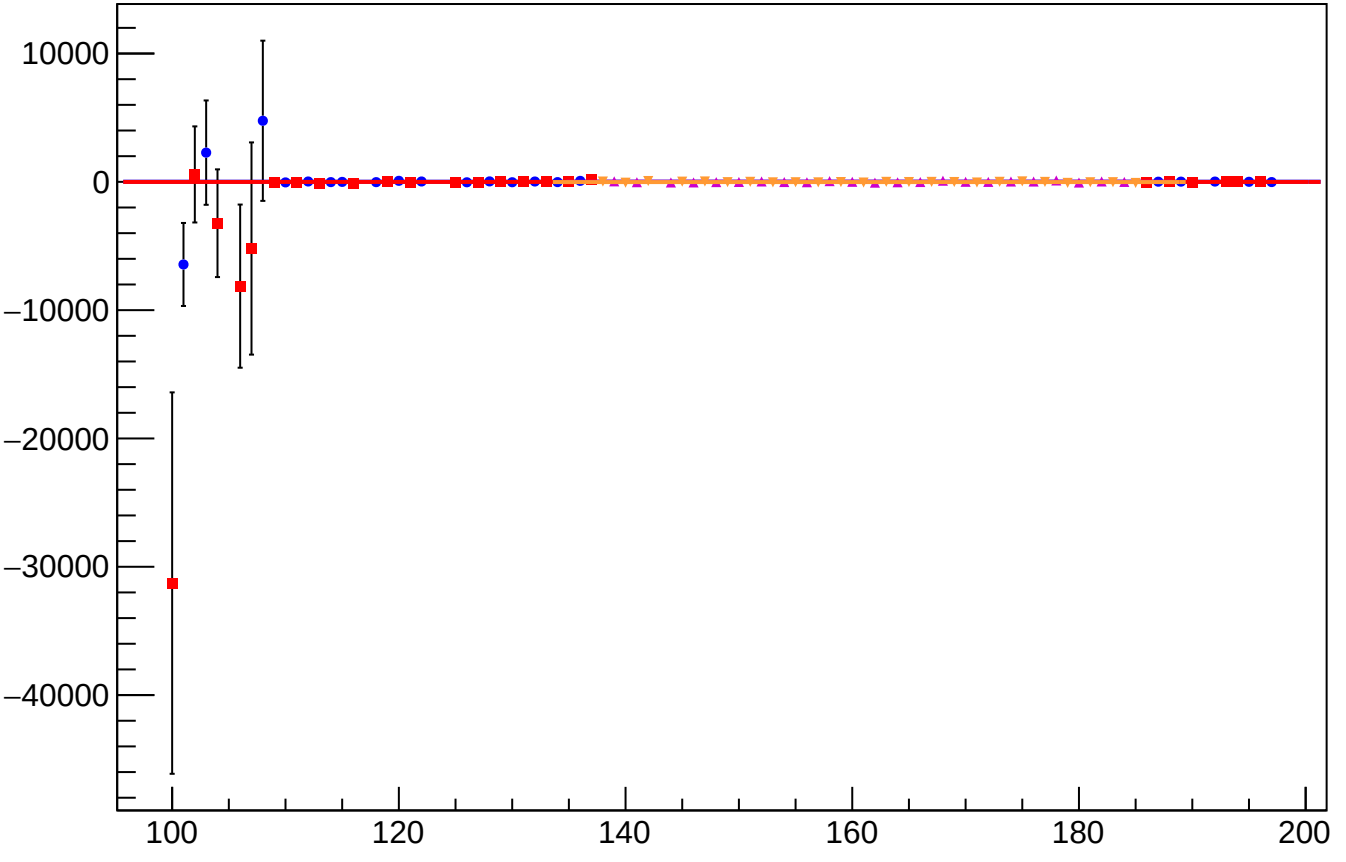
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 193.377+/-0.027 χ^2/NDF: 6564446.6/44

All: 188.900+/-0.019 χ^2/NDF: 13241252.0/91

- sign 184.795+/-0.026 χ^2/NDF: 6624839.7/46

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 10.810+/-10.176 χ^2/NDF: 16.4/20

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -6.867+/-9.960 χ^2/NDF: 33.8/23

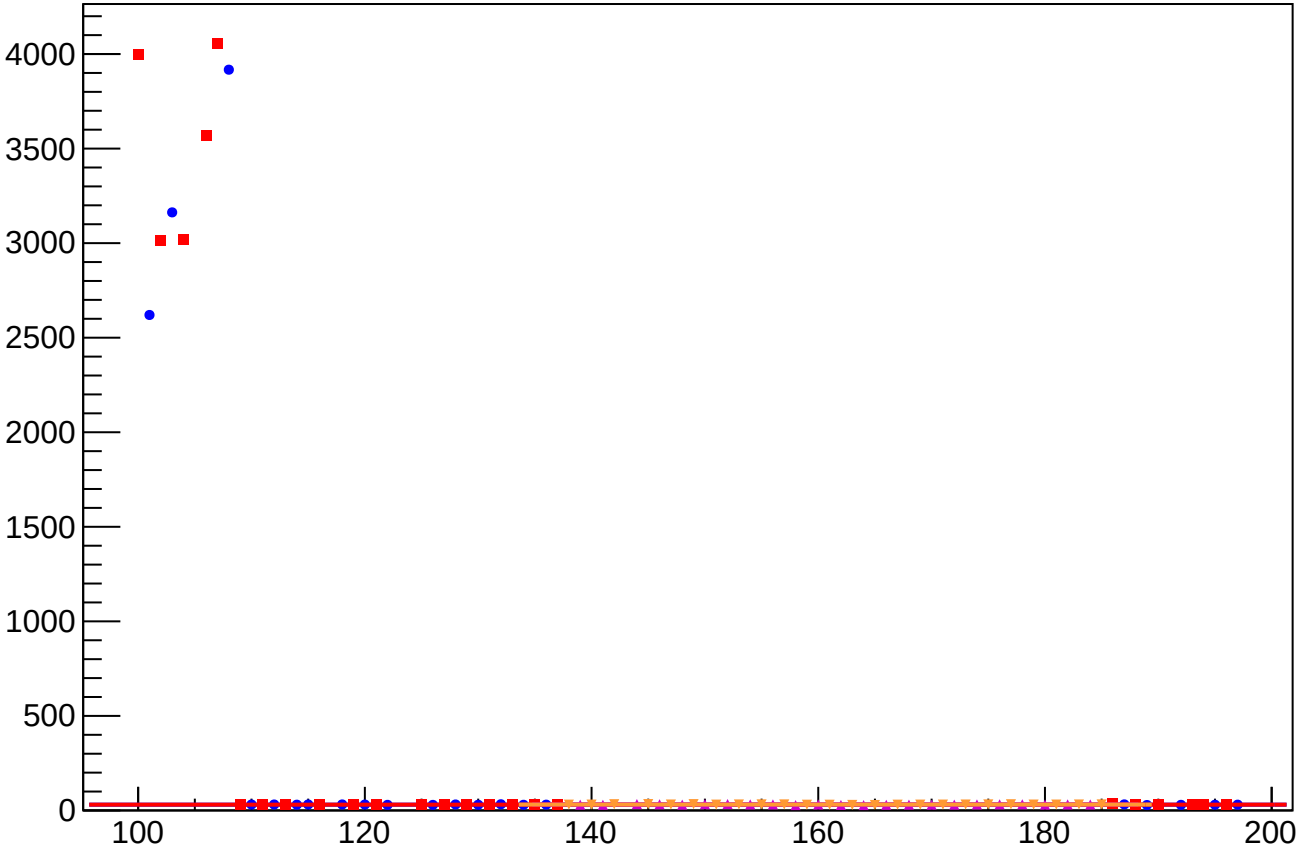
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -8.407+/-5.910 χ^2/NDF: 42.1/44

All: -4.538+/-4.180 χ^2/NDF: 112.9/91

\- sign -0.666+/-5.913 χ^2/NDF: 69.9/46

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.537+/-0.007 χ^2/NDF: 3261832.3/20

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.657+/-0.007 χ^2/NDF: 3552276.7/23

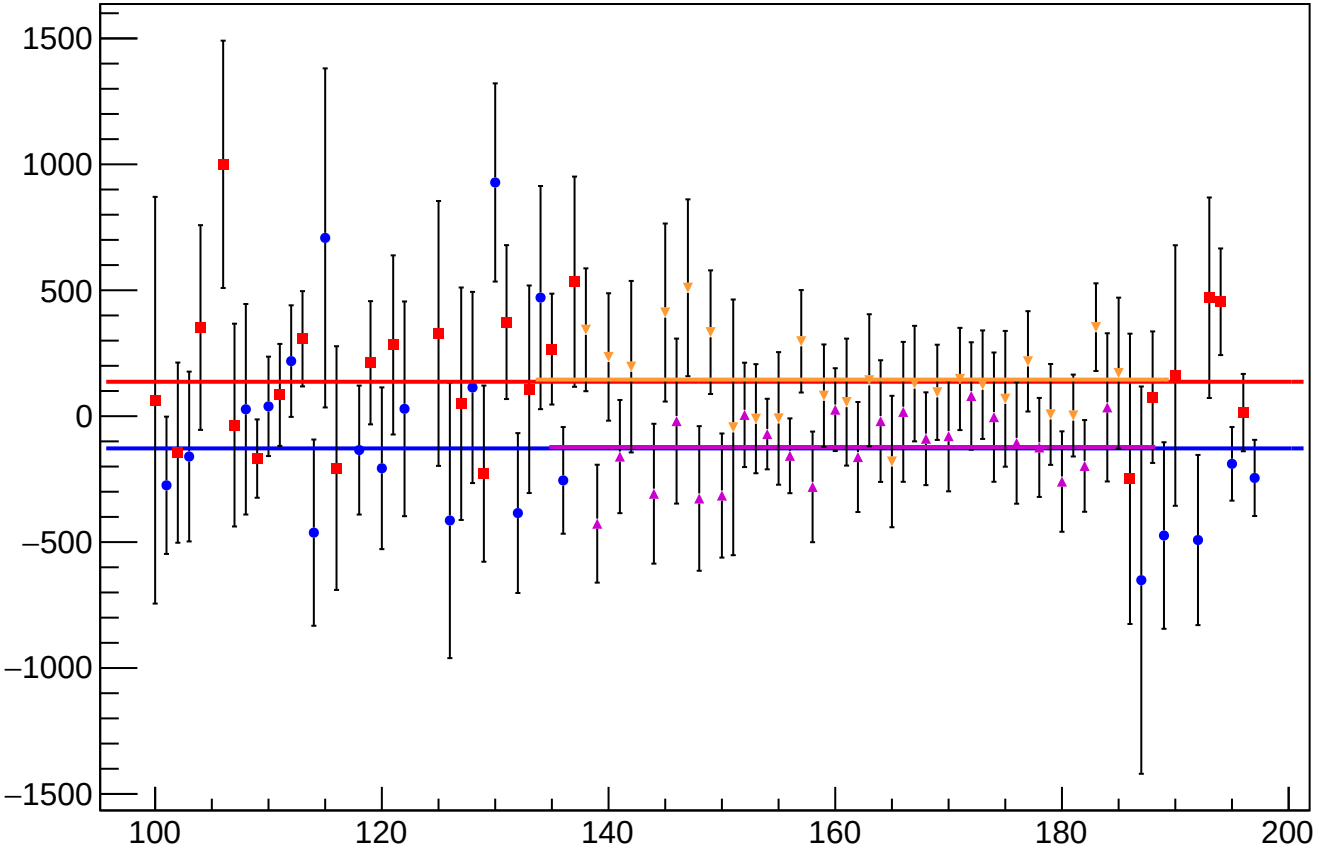
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 30.991+/-0.004 χ^2/NDF: 3315247.4/44

All: 31.058+/-0.003 χ^2/NDF: 6960079.4/91

\- sign 31.125+/-0.004 χ^2/NDF: 3644316.8/46

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -127.928+/-60.159 χ^2/NDF: 20.2/20

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 136.683+/-57.718 χ^2/NDF: 16.9/23

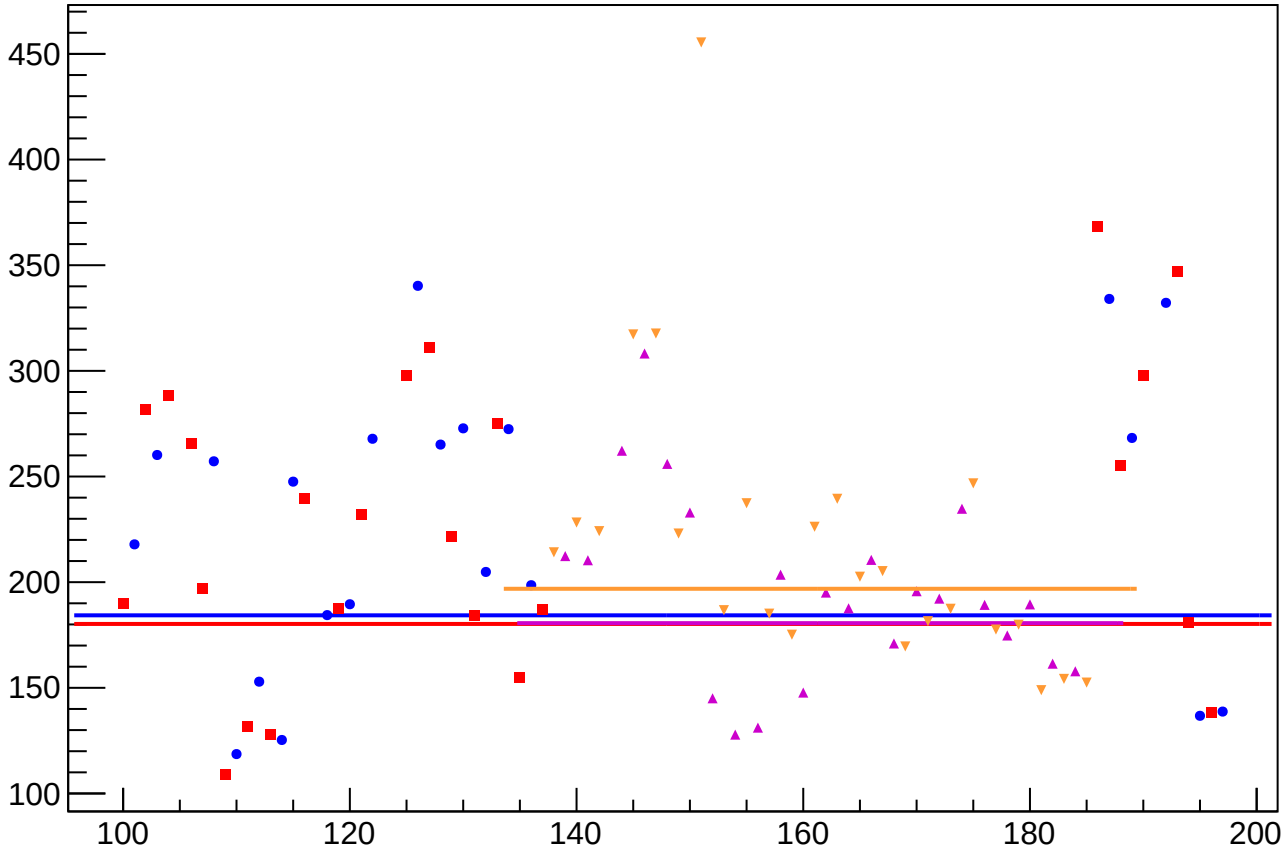
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 40.683+/-37.227 χ^2/NDF: 42.2/44

All: 4.821+/-25.512 χ^2/NDF: 81.5/91

- sign -26.938+/-35.033 χ^2/NDF: 37.5/46

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 184.310+/-0.043 χ^2/NDF: 2005905.6/20

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 180.231+/-0.041 χ^2/NDF: 2533177.4/23

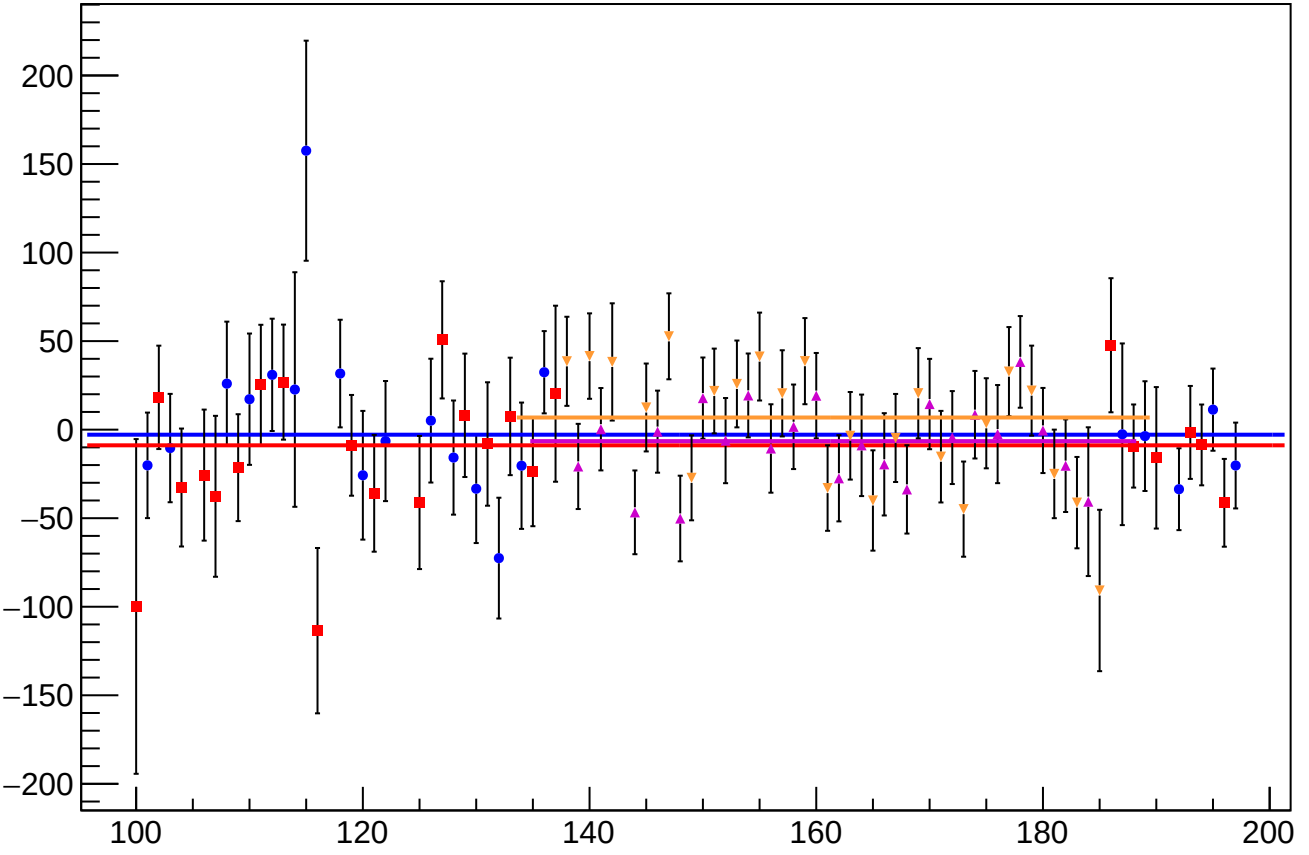
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

\+ sign 192.062+/-0.026 χ^2/NDF: 3784832.7/44

All: 185.912+/-0.018 χ^2/NDF: 8049074.9/91

\- sign 180.465+/-0.025 χ^2/NDF: 4161301.7/46

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -2.850+/-6.880 χ^2/NDF: 21.6/20

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -8.846+/-6.636 χ^2/NDF: 20.1/23

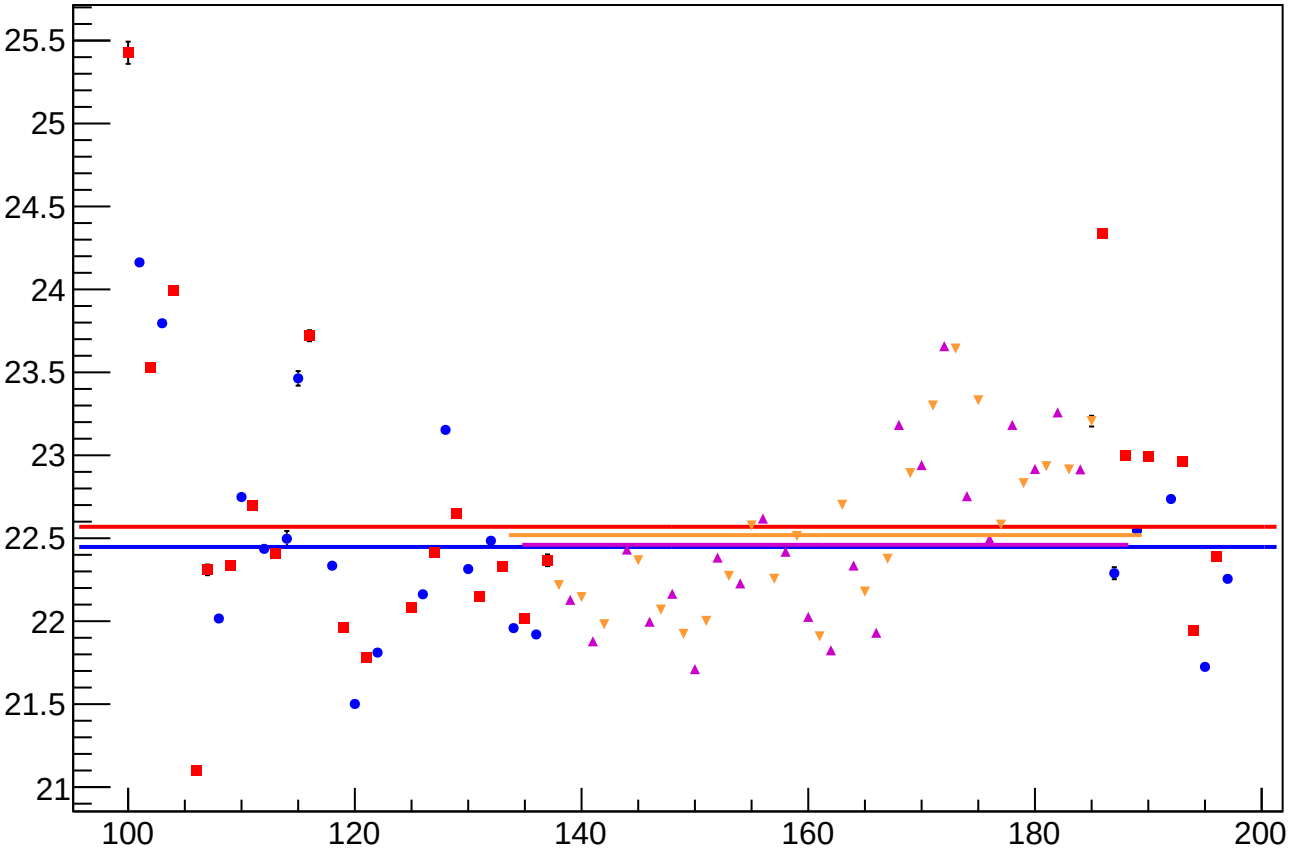
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.303+/-4.163 χ^2/NDF: 59.7/44

All: -2.105+/-2.927 χ^2/NDF: 100.6/91

- sign -7.391+/-4.116 χ^2/NDF: 37.6/46

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.448+/-0.005 χ^2/NDF: 18532.9/20

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.569+/-0.005 χ^2/NDF: 23111.1/23

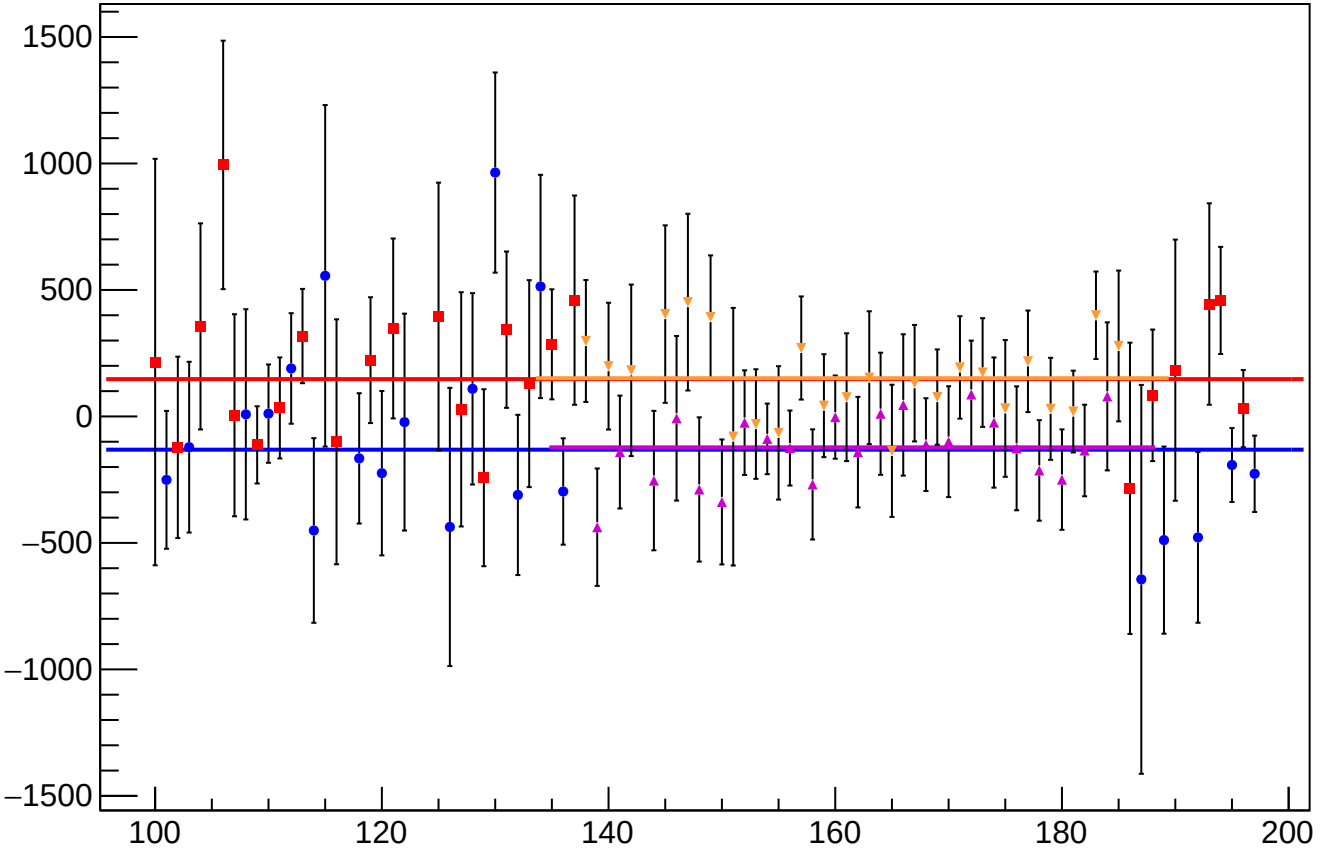
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.493+/-0.003 χ^2/NDF: 34667.8/44

All: 22.498+/-0.002 χ^2/NDF: 77232.3/91

\- sign 22.502+/-0.003 χ^2/NDF: 42559.5/46

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -131.412+/-59.971 χ^2/NDF: 19.4/20

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 147.579+/-57.378 χ^2/NDF: 15.5/23

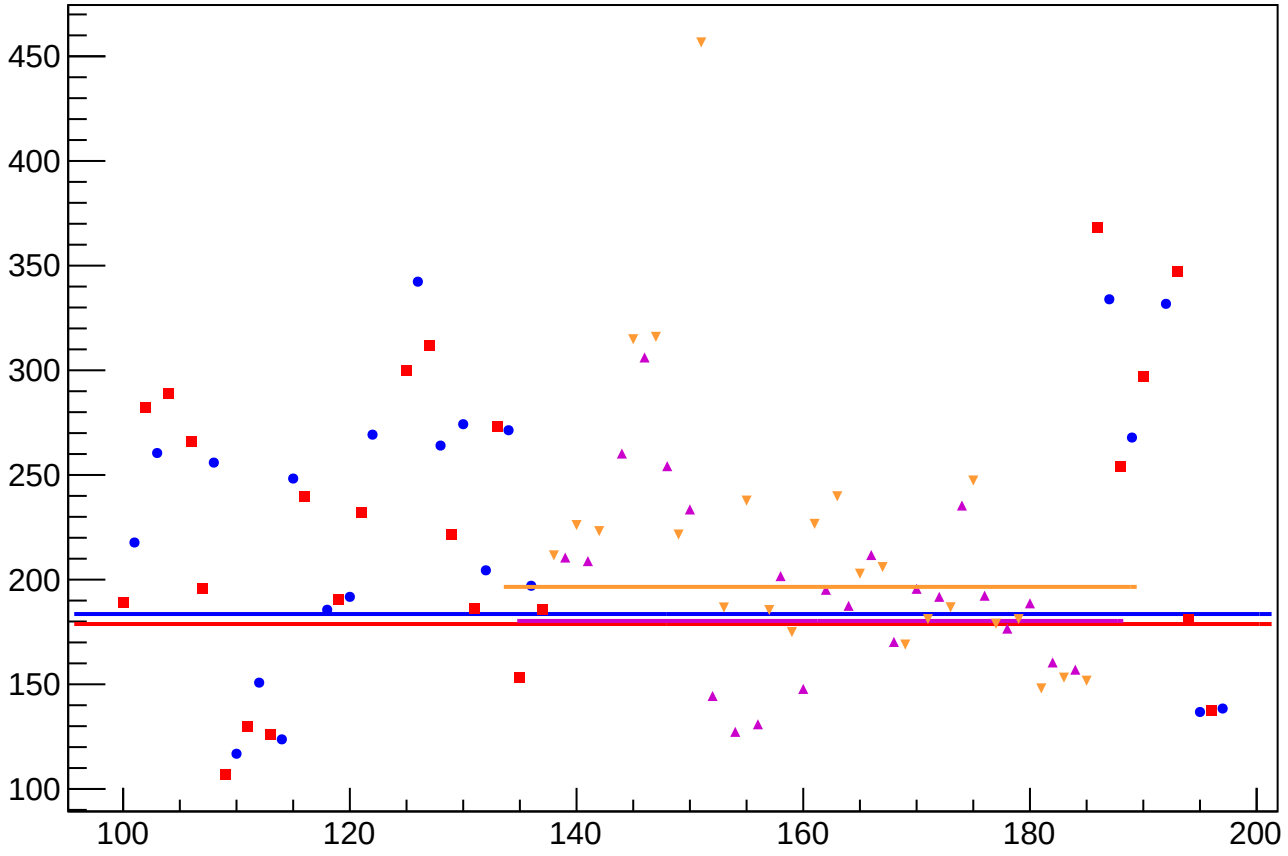
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 42.716+/-37.146 χ^2/NDF: 43.1/44

All: 8.220+/-25.442 χ^2/NDF: 81.6/91

- sign -22.262+/-34.919 χ^2/NDF: 36.9/46

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 183.568+/-0.042 χ^2/NDF: 2038662.3/20

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 178.796+/-0.041 χ^2/NDF: 2613416.2/23

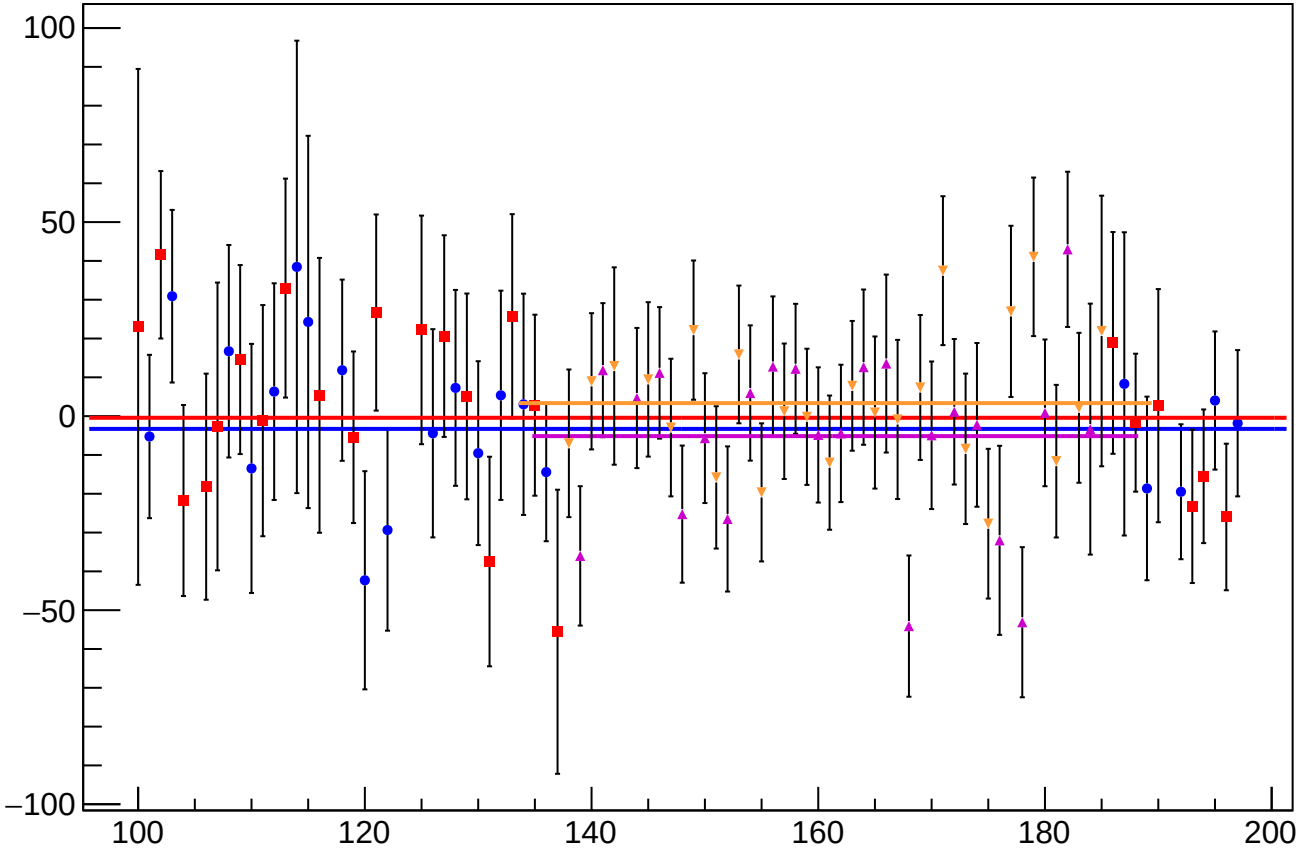
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 191.559+/-0.026 χ^2/NDF: 3824164.4/44

All: 185.278+/-0.018 χ^2/NDF: 8170828.2/91

\- sign 179.727+/-0.025 χ^2/NDF: 4238934.9/46

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -3.284+/-5.315 χ^2/NDF: 9.7/20

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -0.420+/-5.123 χ^2/NDF: 18.9/23

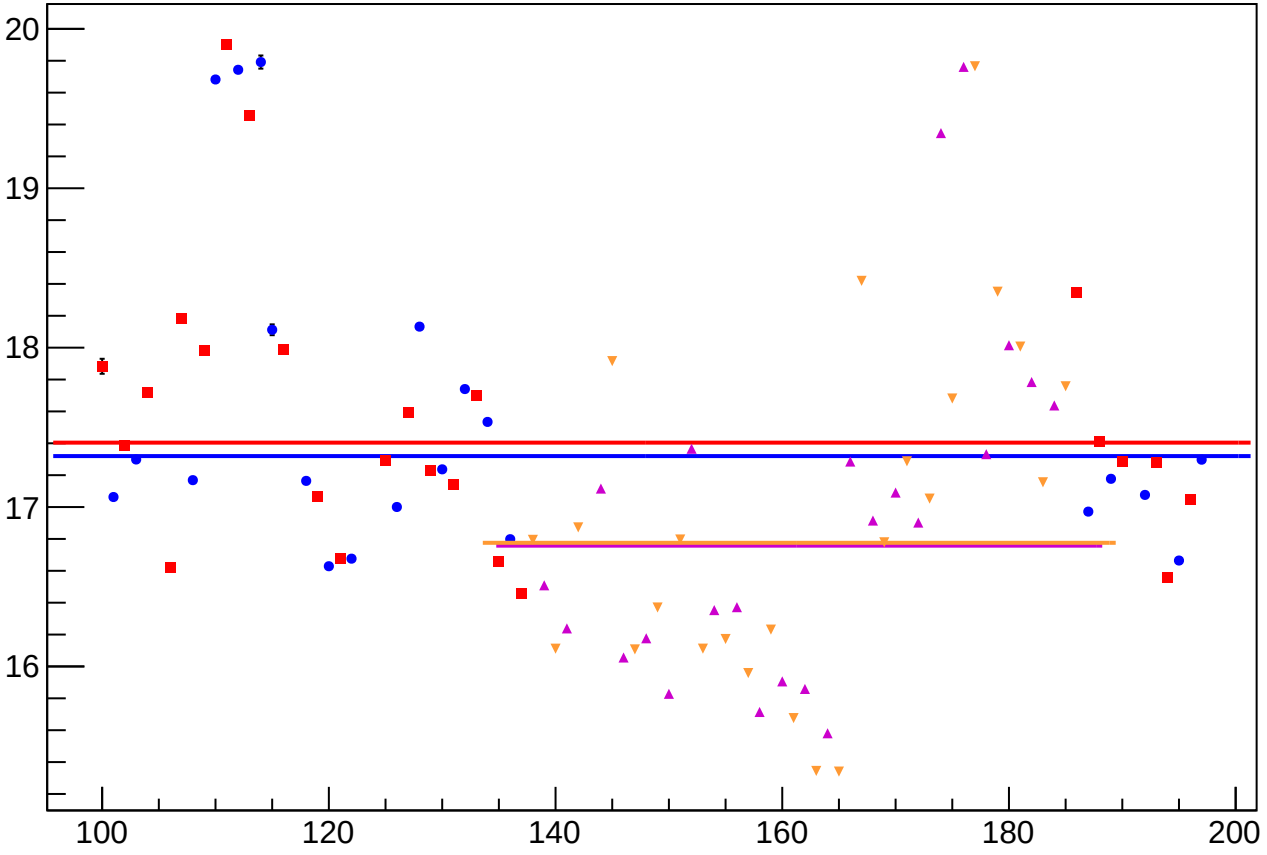
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.031+/-3.147 χ^2/NDF: 28.4/44

All: -1.208+/-2.214 χ^2/NDF: 81.1/91

- sign -3.401+/-3.115 χ^2/NDF: 51.7/46

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.320+/-0.004 χ^2/NDF: 40974.4/20

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.404+/-0.004 χ^2/NDF: 43117.5/23

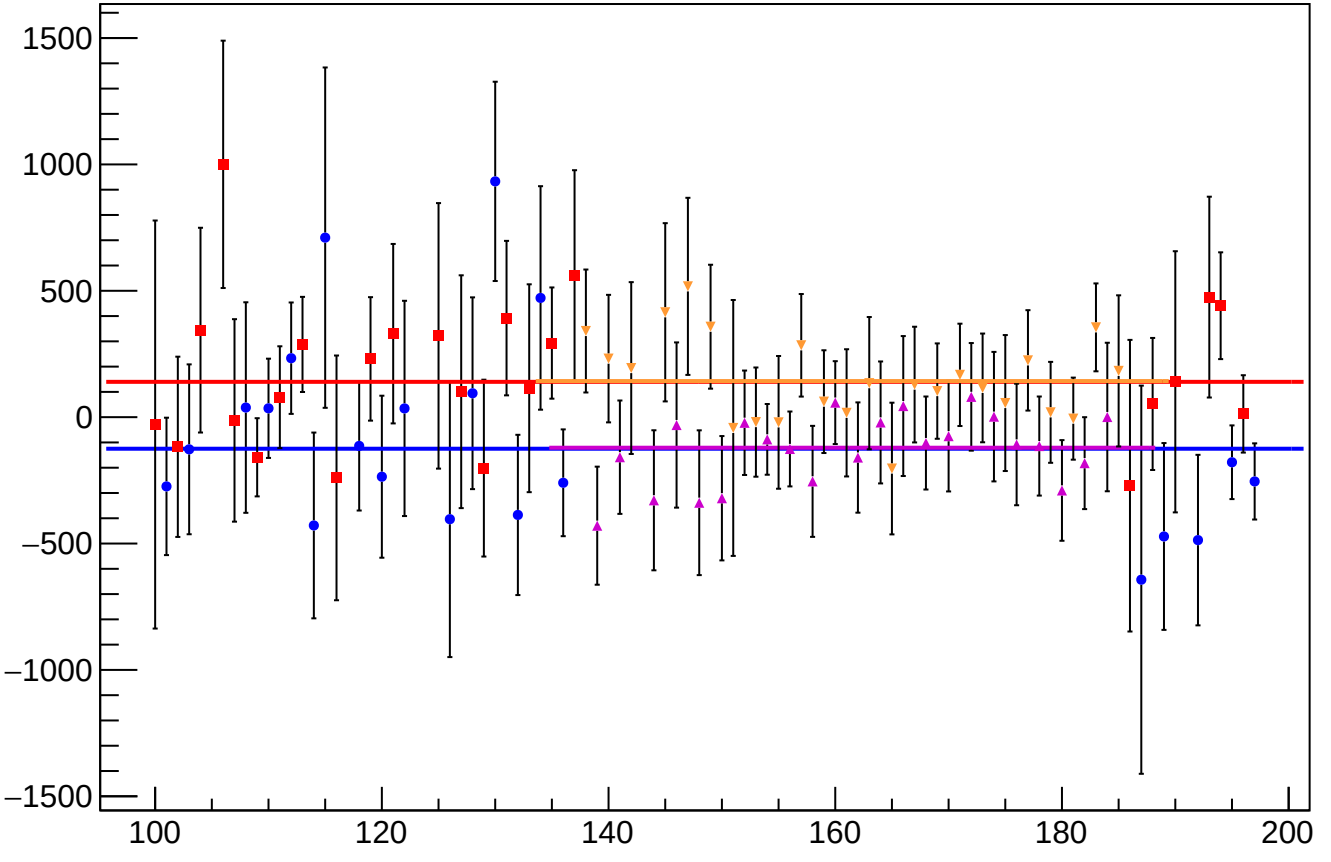
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.966+/-0.002 χ^2/NDF: 190725.7/44

All: 16.982+/-0.002 χ^2/NDF: 377308.0/91

- sign 16.997+/-0.002 χ^2/NDF: 186488.2/46

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -124.873+/-59.985 χ^2/NDF: 20.3/20

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 139.777+/-57.550 χ^2/NDF: 16.9/23

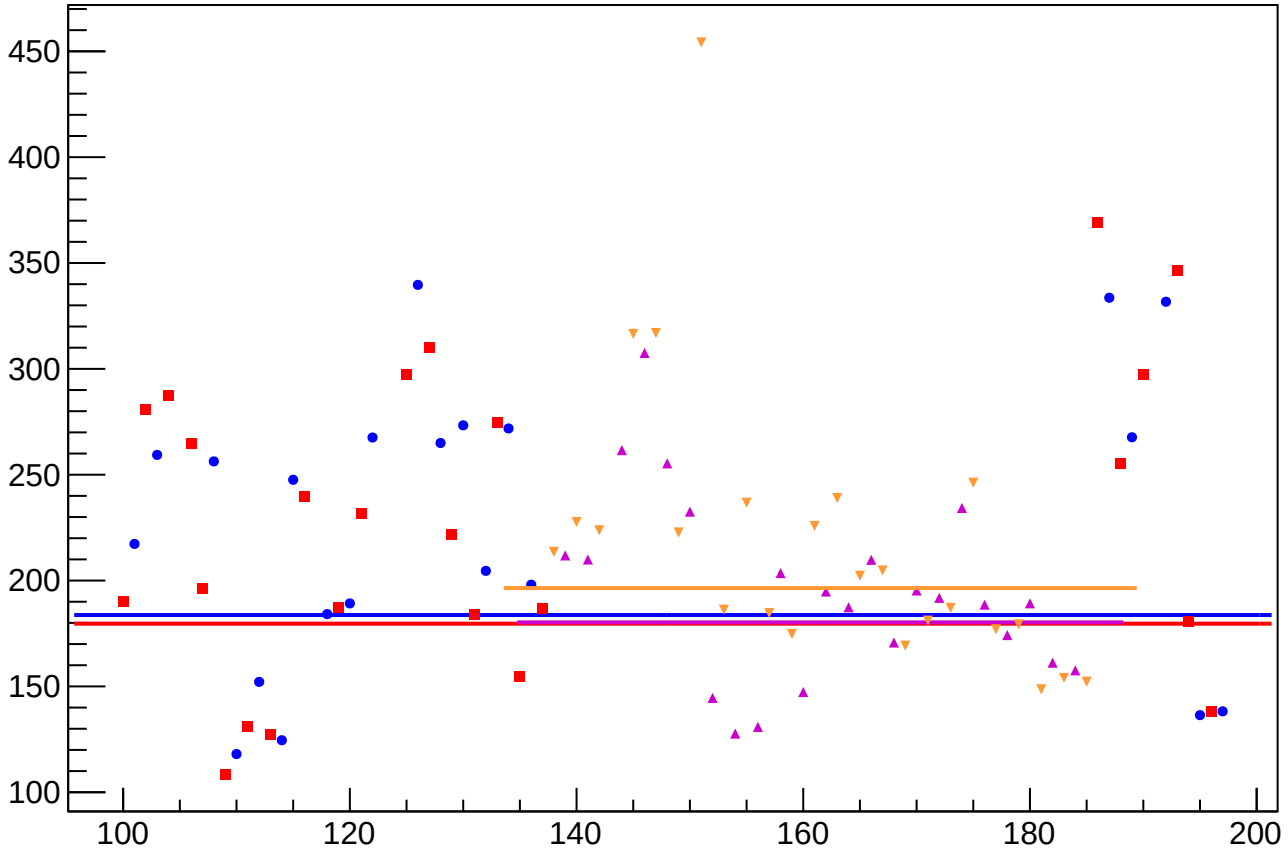
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 40.144+/-37.136 χ^2/NDF: 42.7/44

All: 5.736+/-25.452 χ^2/NDF: 82.4/91

- sign -24.744+/-34.951 χ^2/NDF: 38.0/46

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 183.718+/-0.042 χ^2/NDF: 2018241.8/20

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 179.632+/-0.041 χ^2/NDF: 2550488.8/23

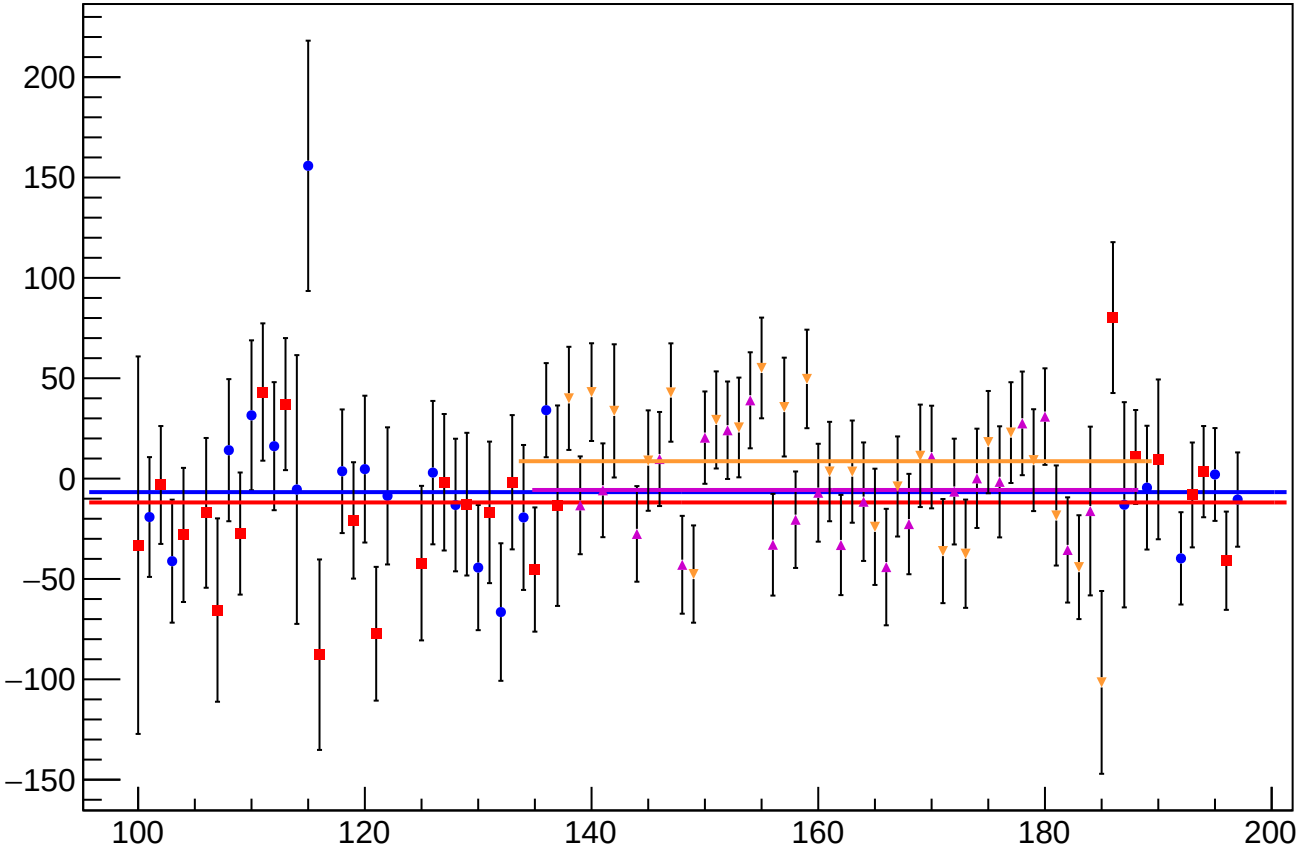
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 191.571+/-0.026 χ^2/NDF: 3797359.0/44

All: 185.446+/-0.018 χ^2/NDF: 8078366.7/91

- sign 180.021+/-0.025 χ^2/NDF: 4178410.1/46

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -6.737+/-6.901 χ^2/NDF: 20.4/20

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -11.879+/-6.671 χ^2/NDF: 24.4/23

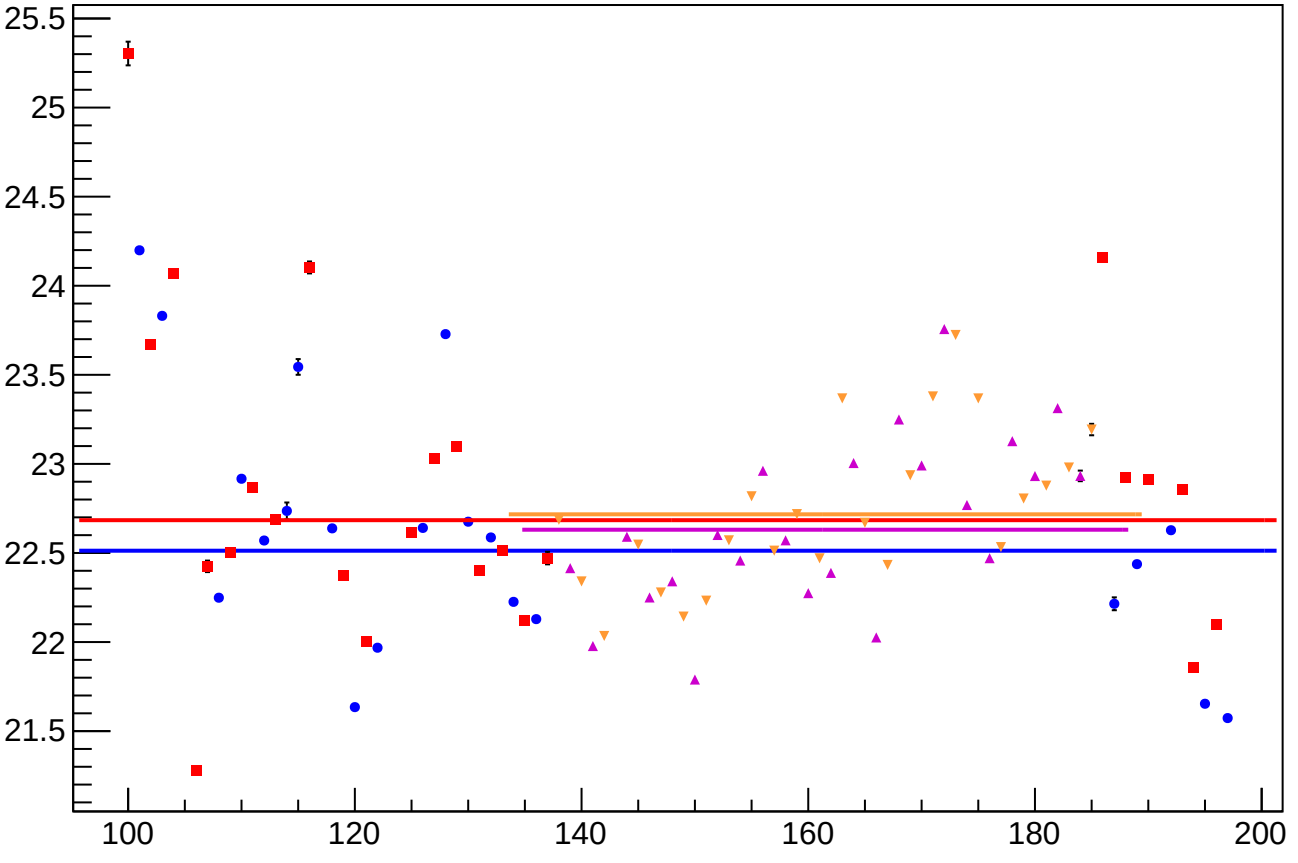
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 2.984+/-4.191 χ^2/NDF: 62.7/44

All: -2.603+/-2.946 χ^2/NDF: 112.0/91

- sign -8.064+/-4.143 χ^2/NDF: 45.8/46

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.513+/-0.005 χ^2/NDF: 22254.5/20

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.684+/-0.005 χ^2/NDF: 21692.5/23

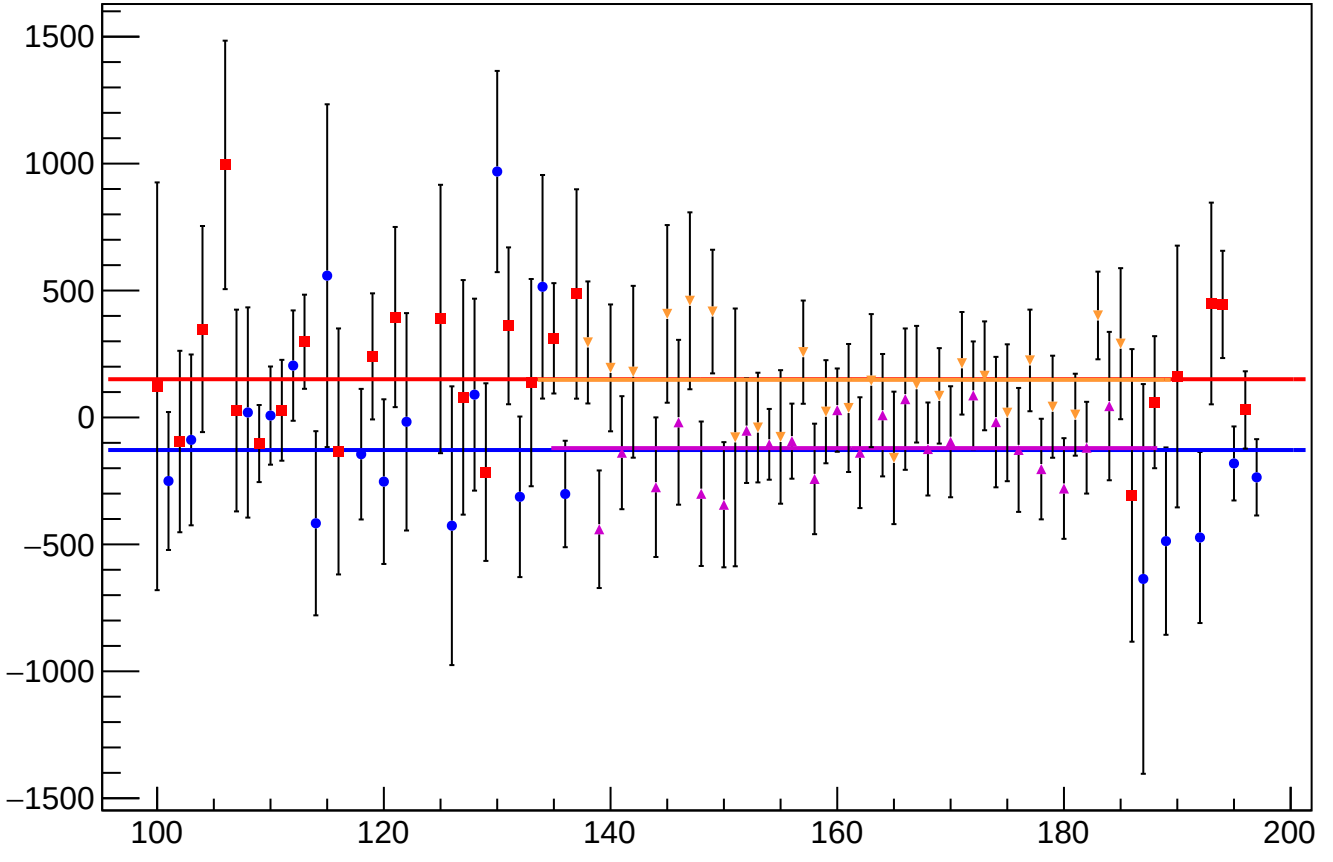
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.642+/-0.003 χ^2/NDF: 35538.2/44

All: 22.646+/-0.002 χ^2/NDF: 72706.4/91

- sign 22.651+/-0.003 χ^2/NDF: 37163.0/46

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -128.303+/-59.795 χ^2/NDF: 19.6/20

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 150.631+/-57.208 χ^2/NDF: 15.4/23

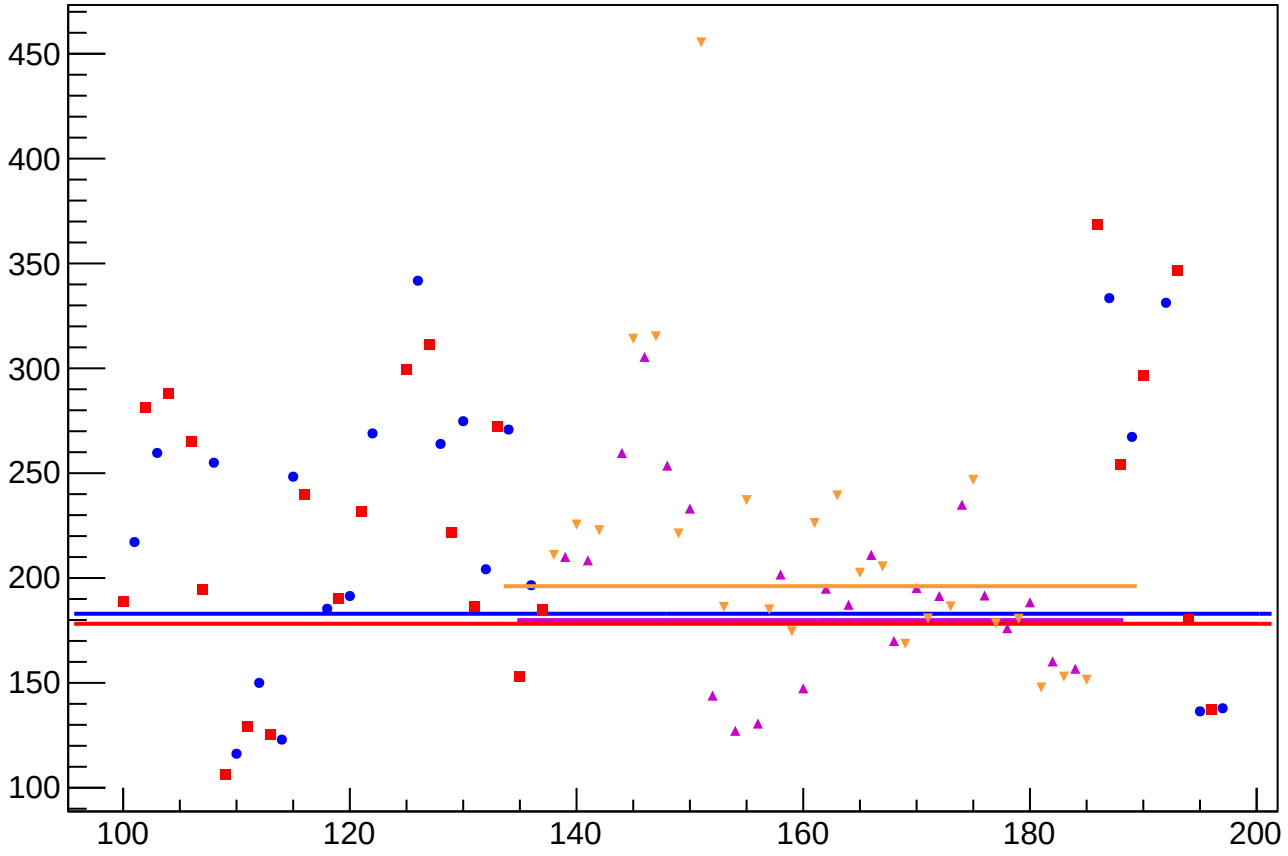
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 42.153+/-37.055 χ^2/NDF: 43.7/44

All: 9.098+/-25.381 χ^2/NDF: 82.7/91

- sign -20.119+/-34.837 χ^2/NDF: 37.5/46

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 182.968+/-0.042 χ^2/NDF: 2051593.0/20

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 178.186+/-0.040 χ^2/NDF: 2631678.4/23

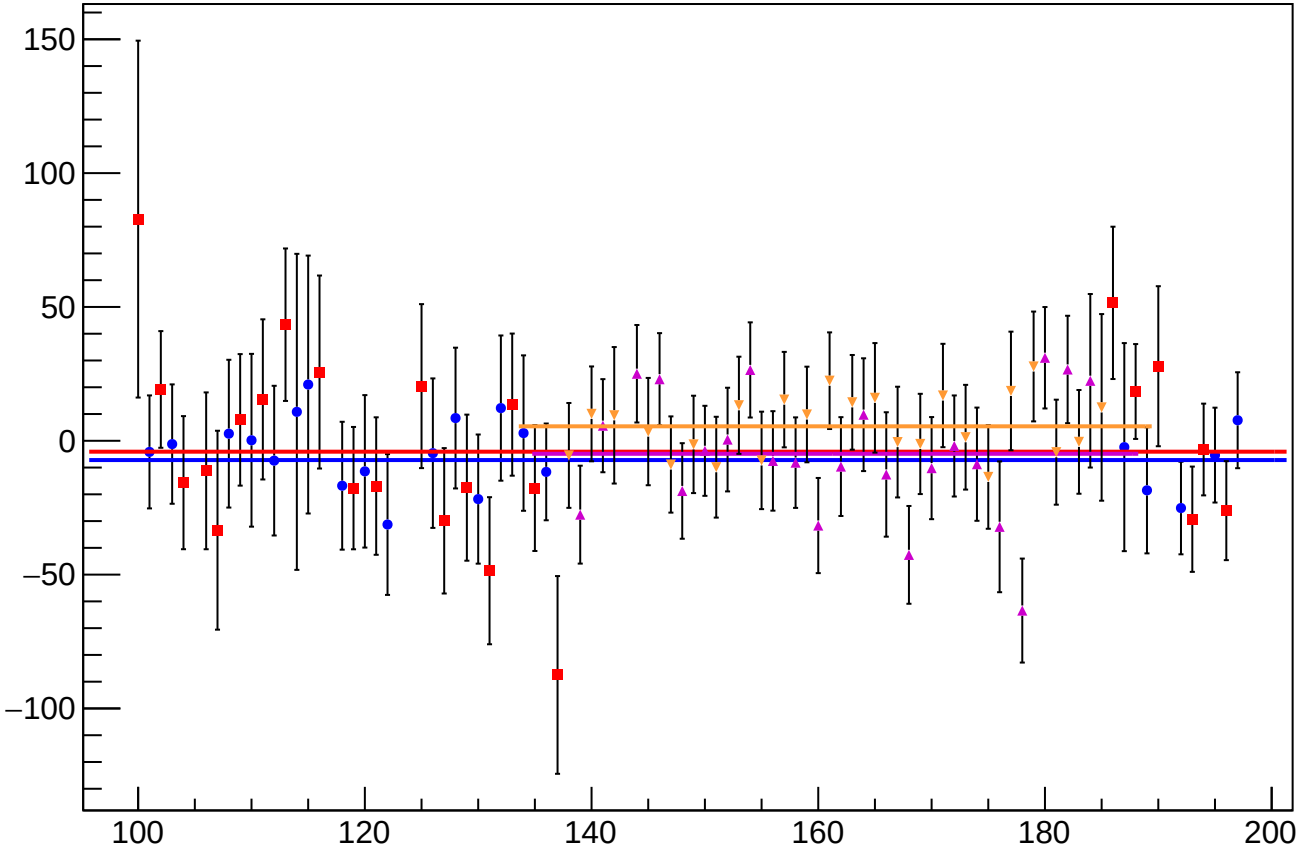
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 191.064+/-0.026 χ^2/NDF: 3837409.3/44

All: 184.809+/-0.018 χ^2/NDF: 8201782.3/91

- sign 179.279+/-0.025 χ^2/NDF: 4256983.0/46

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -7.200+/-5.336 χ^2/NDF: 5.2/20

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -4.069+/-5.161 χ^2/NDF: 28.4/23

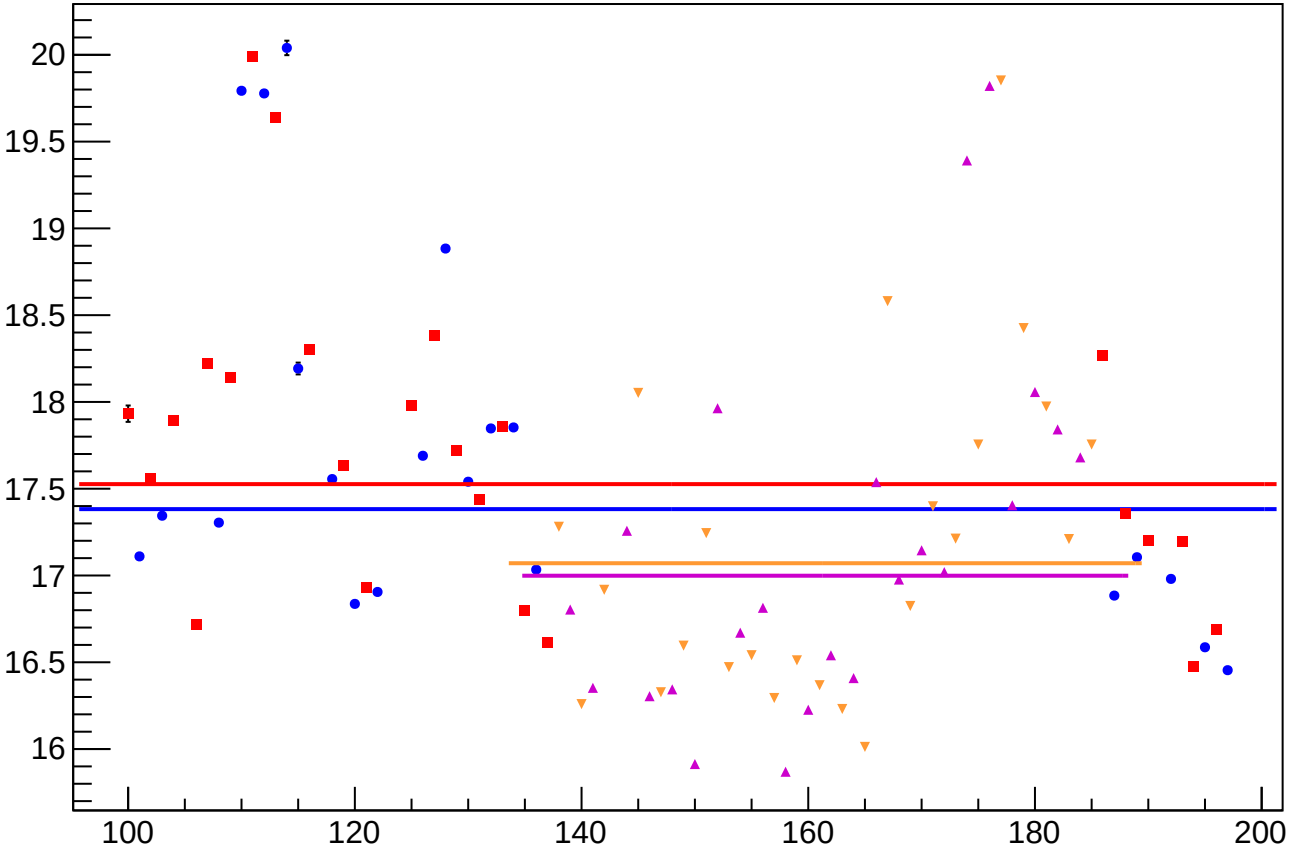
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.912+/-3.186 χ^2/NDF: 16.5/44

All: -1.856+/-2.241 χ^2/NDF: 81.9/91

- sign -4.564+/-3.152 χ^2/NDF: 63.9/46

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.382+/-0.004 χ^2/NDF: 52087.2/20

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.526+/-0.004 χ^2/NDF: 50512.5/23

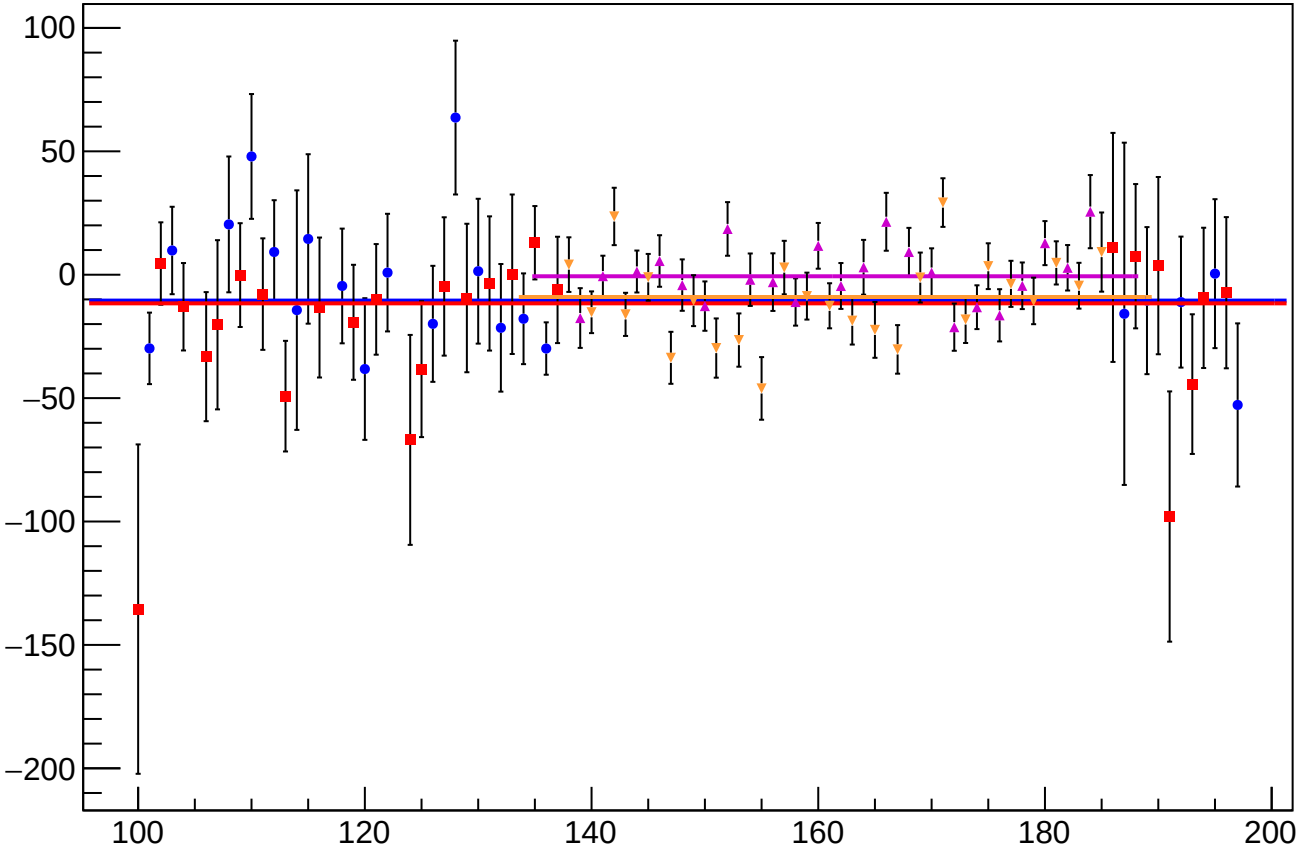
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.182+/-0.002 χ^2/NDF: 152791.5/44

All: 17.189+/-0.002 χ^2/NDF: 320457.9/91

\- sign 17.196+/-0.002 χ^2/NDF: 167647.6/46

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -10.487+/-4.920 χ^2/NDF: 23.8/20

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

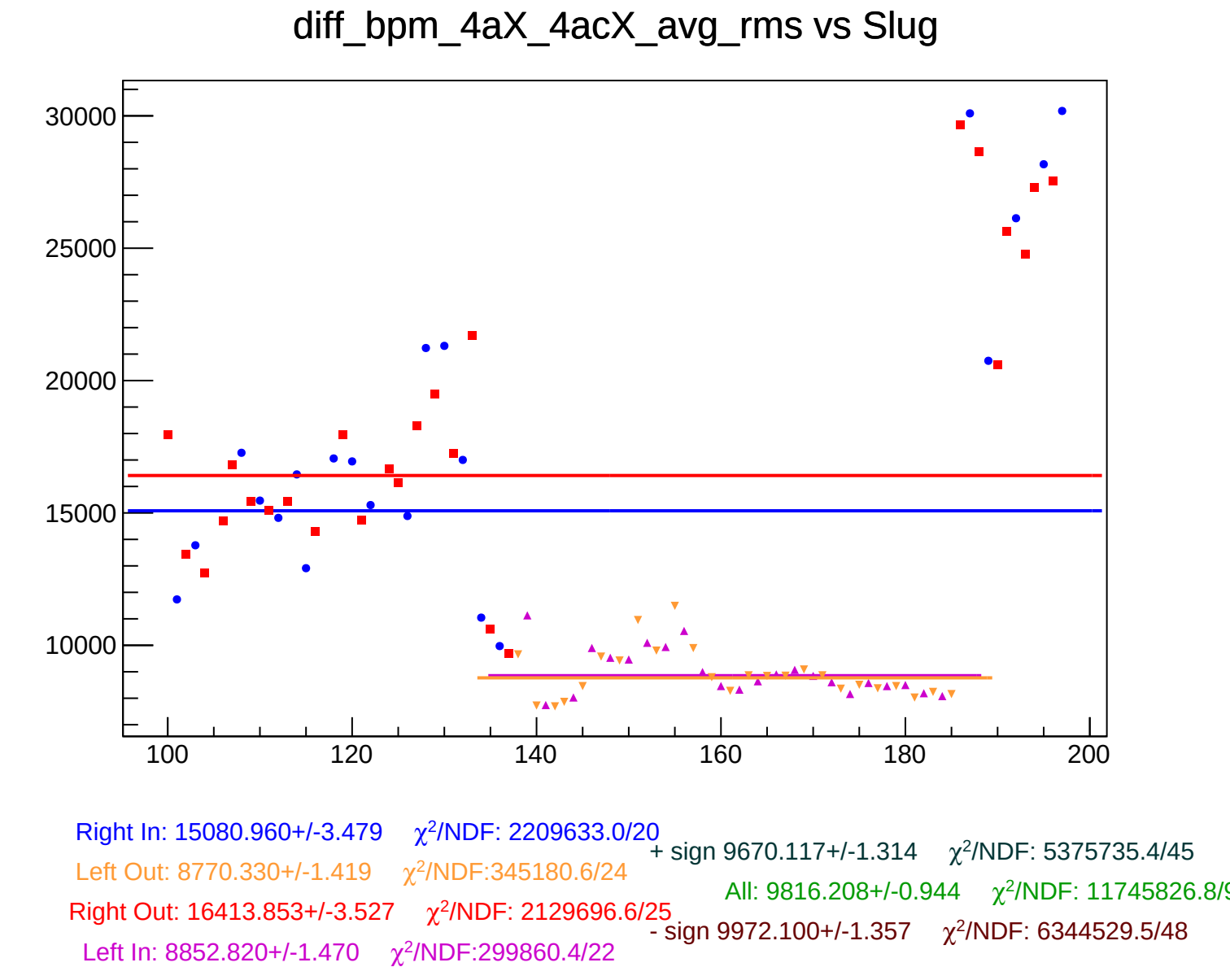
Right Out: -11.600+/-4.988 χ^2/NDF: 19.2/25

Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

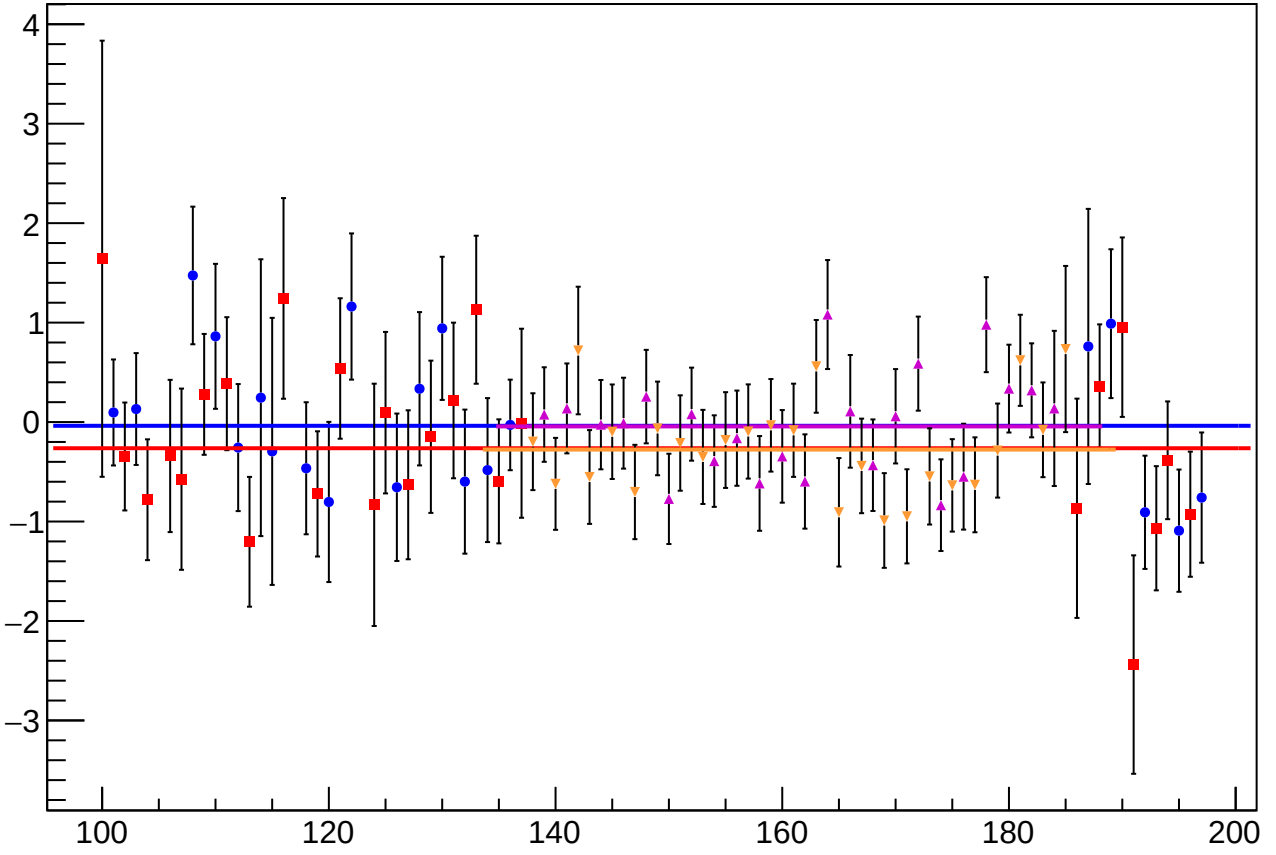
+ sign -9.236+/-1.858 χ^2/NDF: 85.9/45

All: -5.857+/-1.335 χ^2/NDF: 145.5/94

- sign -2.252+/-1.919 χ^2/NDF: 52.8/48


diff_bpm_4aX_4acX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15080.960+/-3.479 χ²/NDF: 2209633.0/20
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 16413.853+/-3.527 χ²/NDF: 2129696.6/25
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
+ sign 9670.117+/-1.314 χ²/NDF: 5375735.4/45
All: 9816.208+/-0.944 χ²/NDF: 11745826.8/9
- sign 9972.100+/-1.357 χ²/NDF: 6344529.5/48

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.038+/-0.150 χ^2/NDF: 23.1/20

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.263+/-0.144 χ^2/NDF: 24.3/25

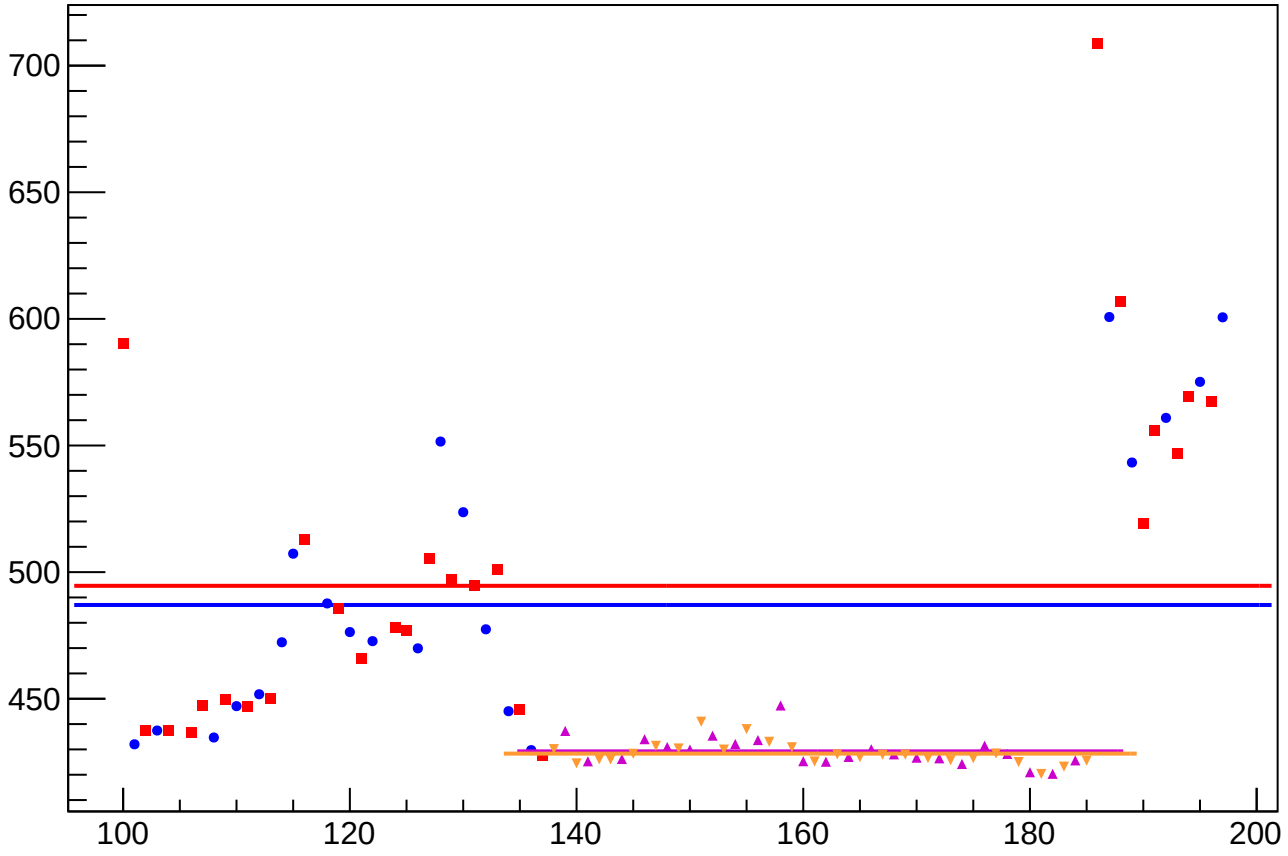
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.206+/-0.082 χ^2/NDF: 45.9/45

All: -0.161+/-0.058 χ^2/NDF: 96.2/94

- sign -0.115+/-0.082 χ^2/NDF: 49.7/48

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 487.030+/-0.106 χ^2/NDF: 281010.2/20

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 494.596+/-0.102 χ^2/NDF: 340683.6/25

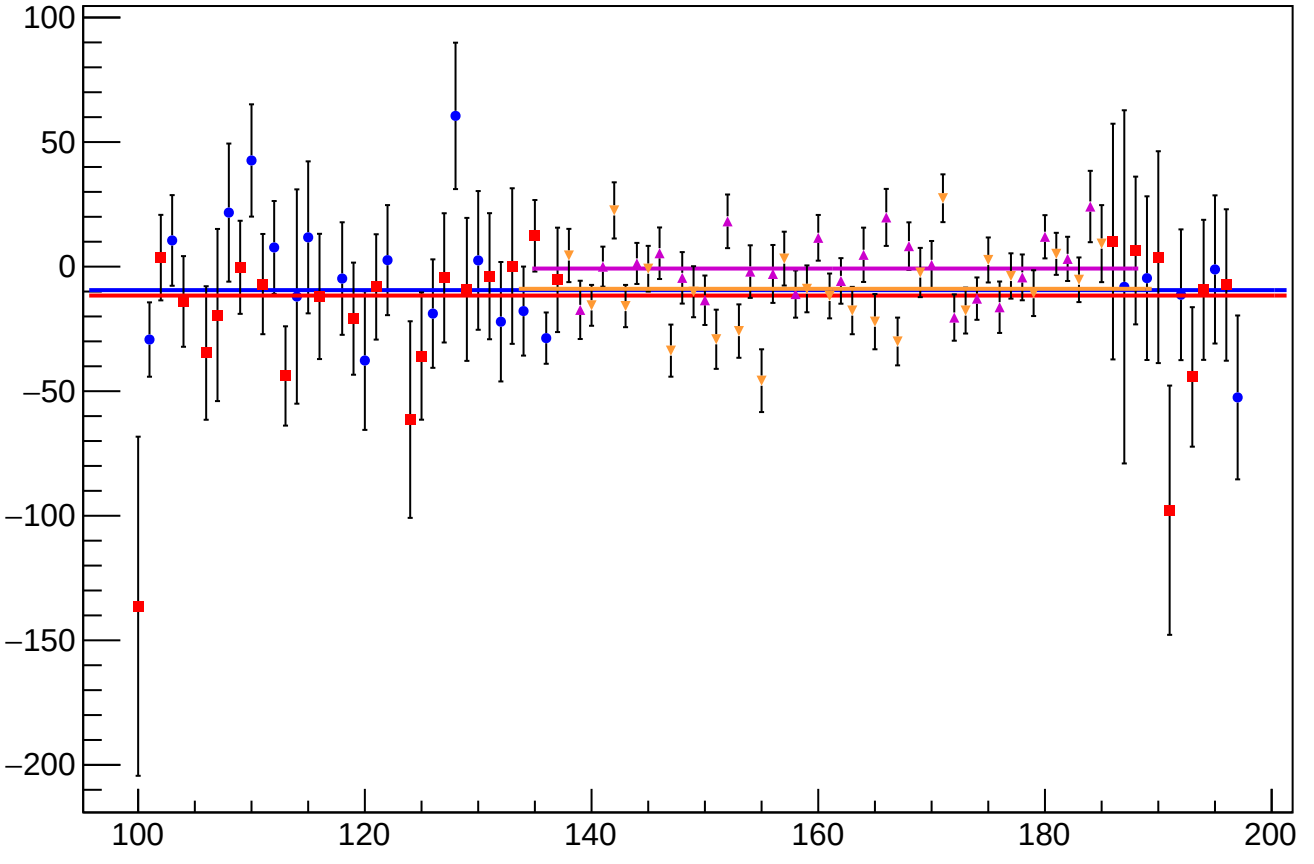
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 445.683+/-0.058 χ^2/NDF: 499985.6/45

All: 448.110+/-0.041 χ^2/NDF: 1128736.3/94

- sign 450.573+/-0.058 χ^2/NDF: 625192.1/48

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -9.428+/-4.764 χ^2/NDF: 24.1/20

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -11.611+/-4.808 χ^2/NDF: 19.0/25

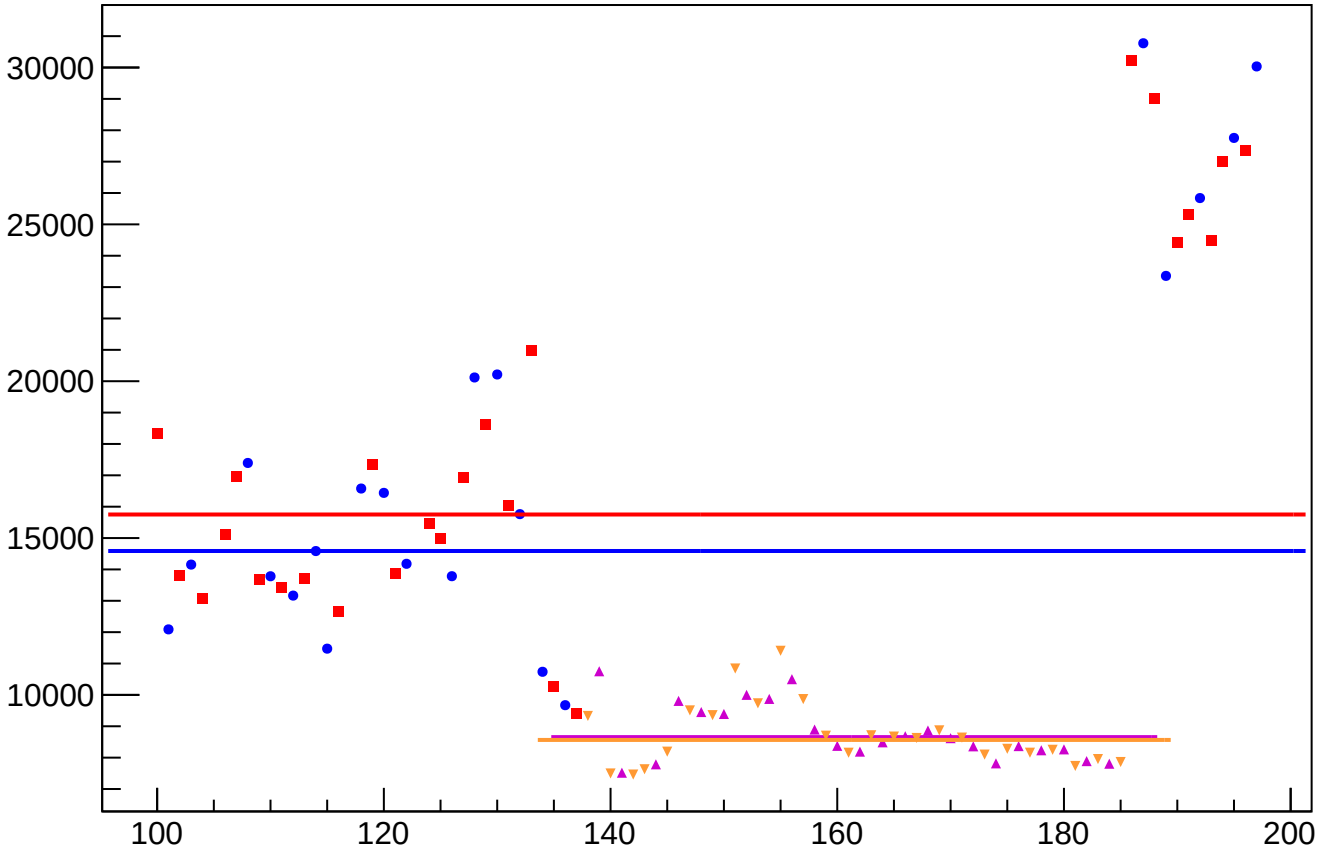
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.980+/-1.813 χ^2/NDF: 85.7/45

All: -5.806+/-1.303 χ^2/NDF: 144.6/94

- sign -2.418+/-1.873 χ^2/NDF: 52.6/48

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 14587.576+/-3.368 χ^2/NDF: 2294246.1/20

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 15750.905+/-3.400 χ^2/NDF: 2311859.0/25

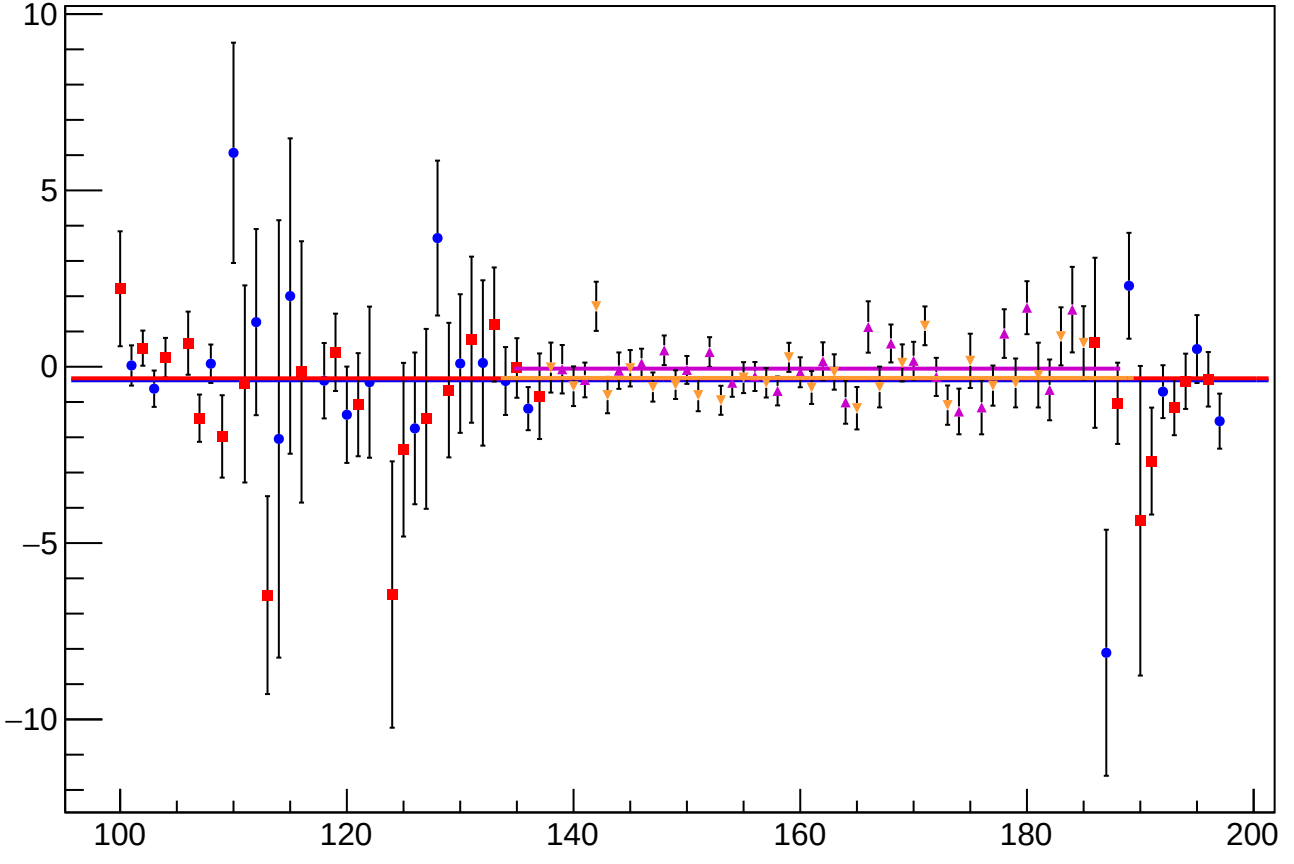
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9437.085+/-1.282 χ^2/NDF: 5429002.8/45

All: 9579.551+/-0.921 χ^2/NDF: 11808098.4/9

- sign 9731.592+/-1.325 χ^2/NDF: 6353573.1/48

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.383+/-0.214 χ^2/NDF: 24.0/20

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.328+/-0.208 χ^2/NDF: 27.9/25

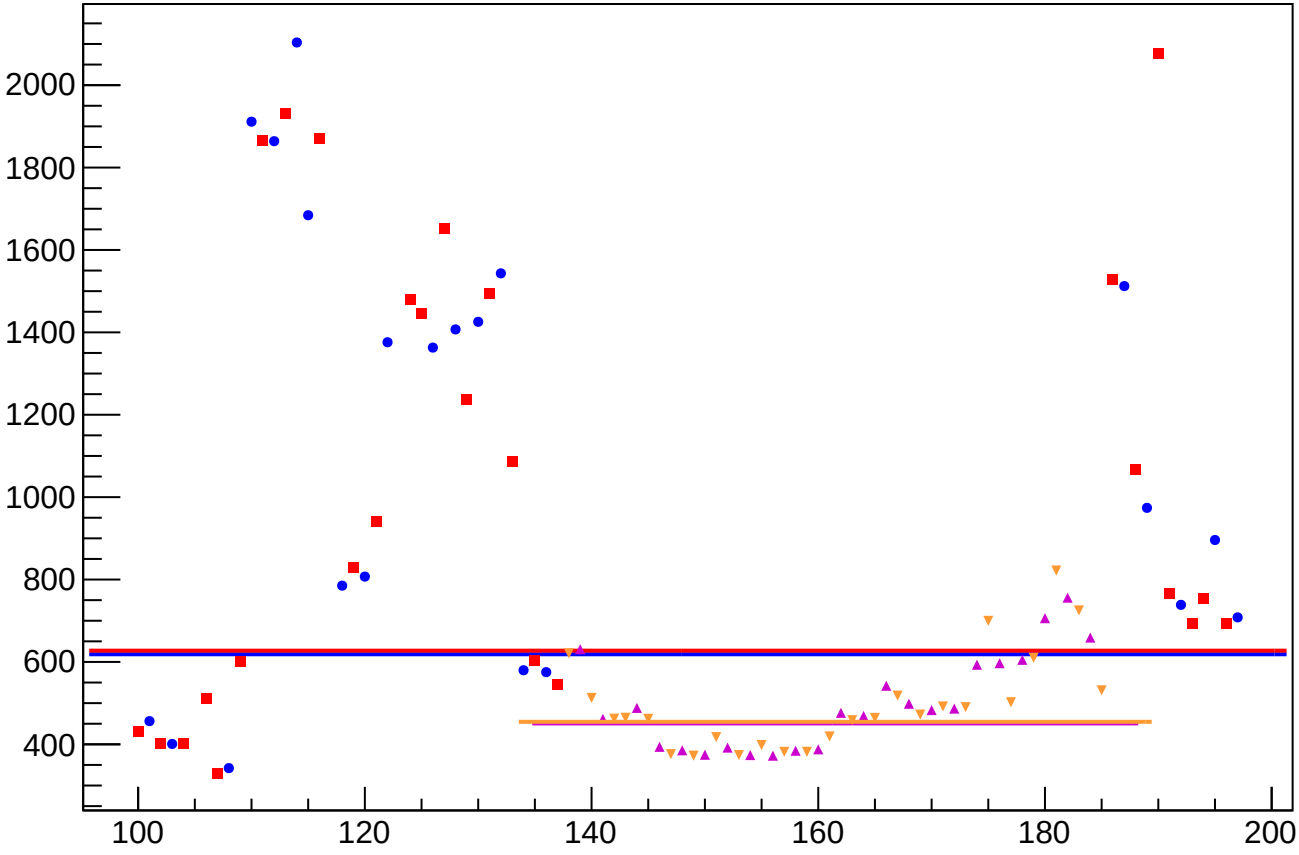
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.331+/-0.095 χ^2/NDF: 56.3/45

All: -0.223+/-0.068 χ^2/NDF: 118.0/94

- sign -0.112+/-0.096 χ^2/NDF: 59.1/48

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 618.629+/-0.151 χ^2/NDF: 4032100.0/20

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

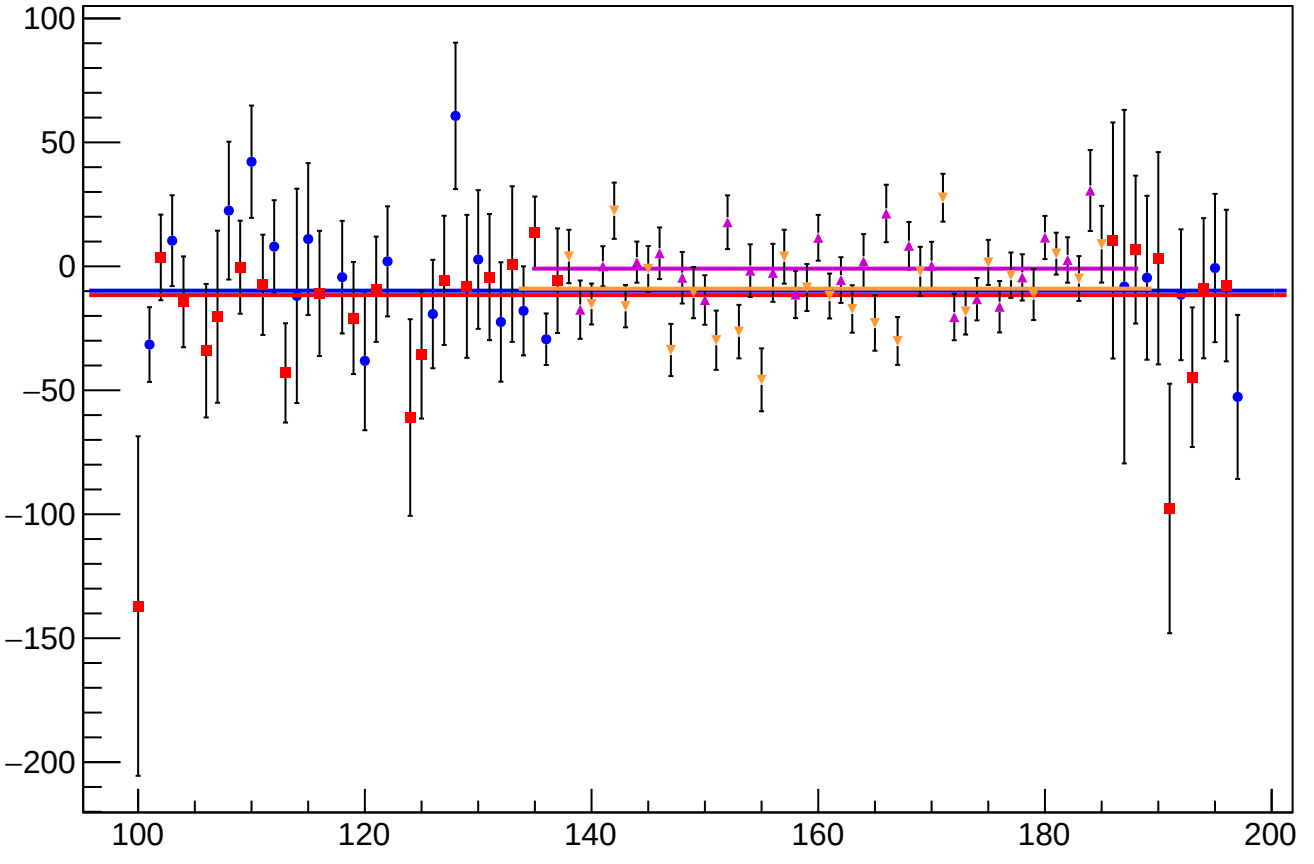
Right Out: 627.394+/-0.147 χ^2/NDF: 4585603.9/25

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

\+ sign 486.946+/-0.067 χ^2/NDF: 6424902.0/45

All: 487.600+/-0.048 χ^2/NDF: 13615079.1/94

\- sign 488.268+/-0.068 χ^2/NDF: 7189985.2/48



Right In: -9.805+/-4.795 χ^2/NDF: 24.6/20

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

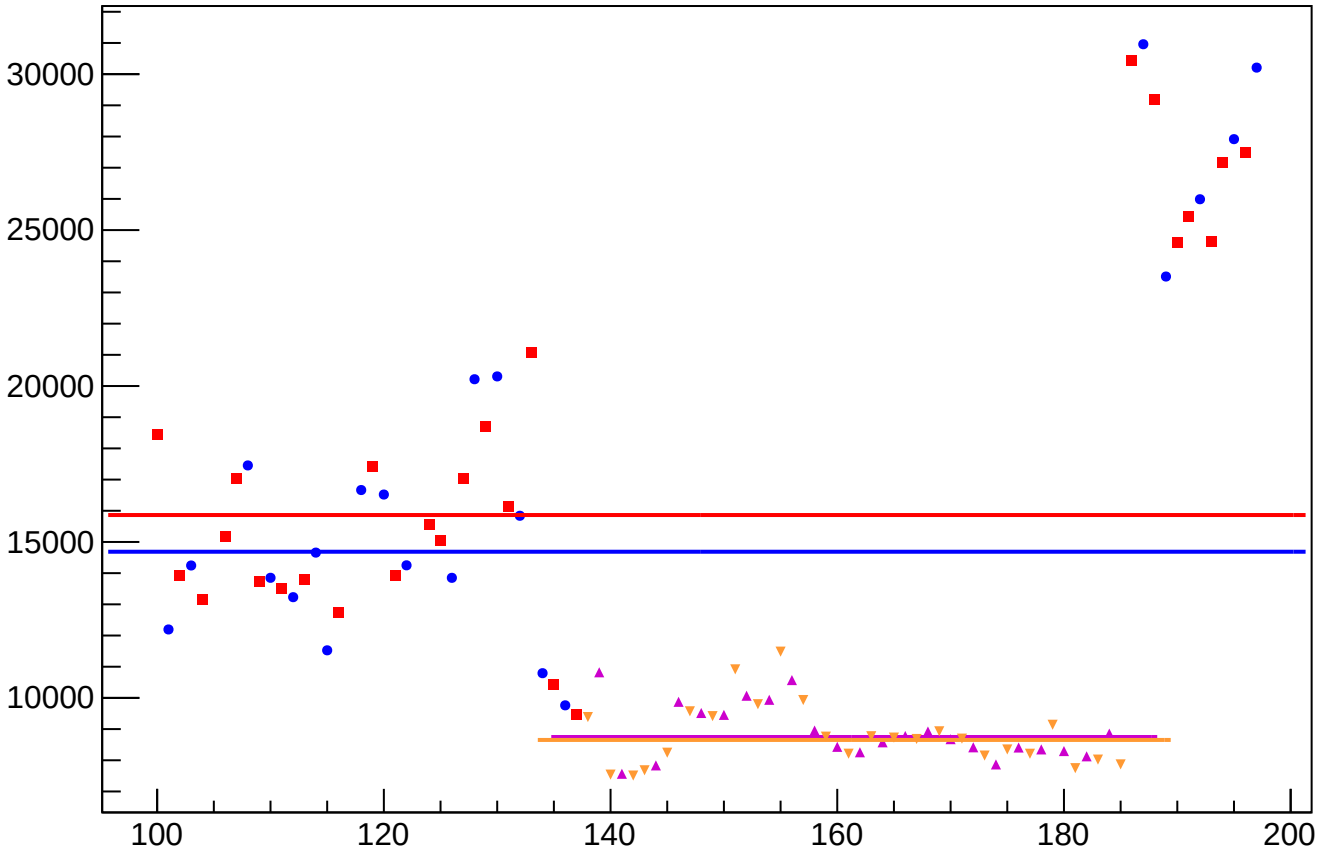
Right Out: -11.599+/-4.840 χ^2/NDF: 18.8/25

Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.118+/-1.832 χ^2/NDF: 85.9/45

All: -5.944+/-1.316 χ^2/NDF: 144.8/94

- sign -2.556+/-1.892 χ^2/NDF: 52.8/48



Right In: 14686.808+/-3.391 χ^2/NDF: 2282594.1/20

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 15863.512+/-3.423 χ^2/NDF: 2294151.5/25

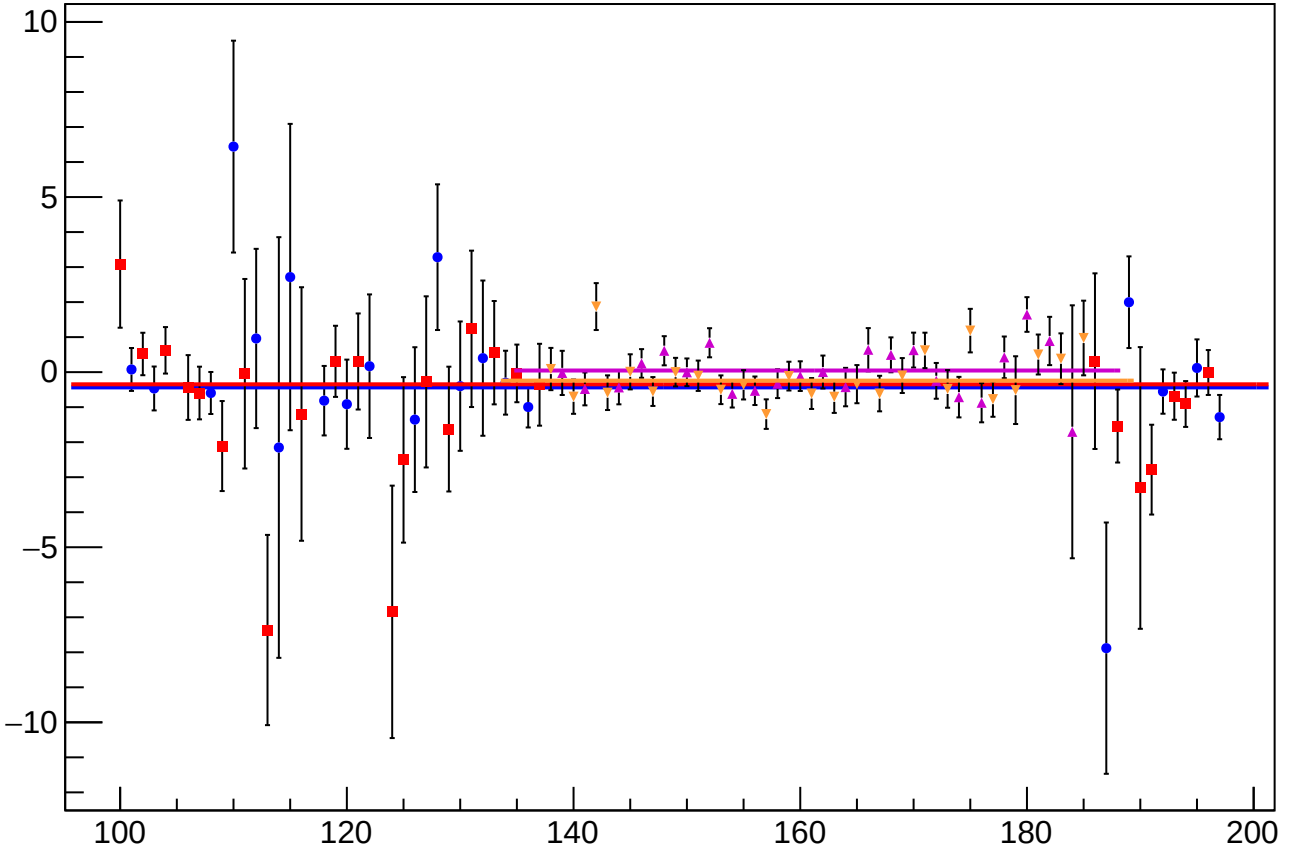
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9532.331+/-1.295 χ^2/NDF: 5393862.8/45

All: 9678.088+/-0.931 χ^2/NDF: 11708981.2/9

- sign 9833.642+/-1.338 χ^2/NDF: 6288933.3/48

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.436+/-0.211 χ^2/NDF: 21.7/20

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.347+/-0.208 χ^2/NDF: 29.5/25

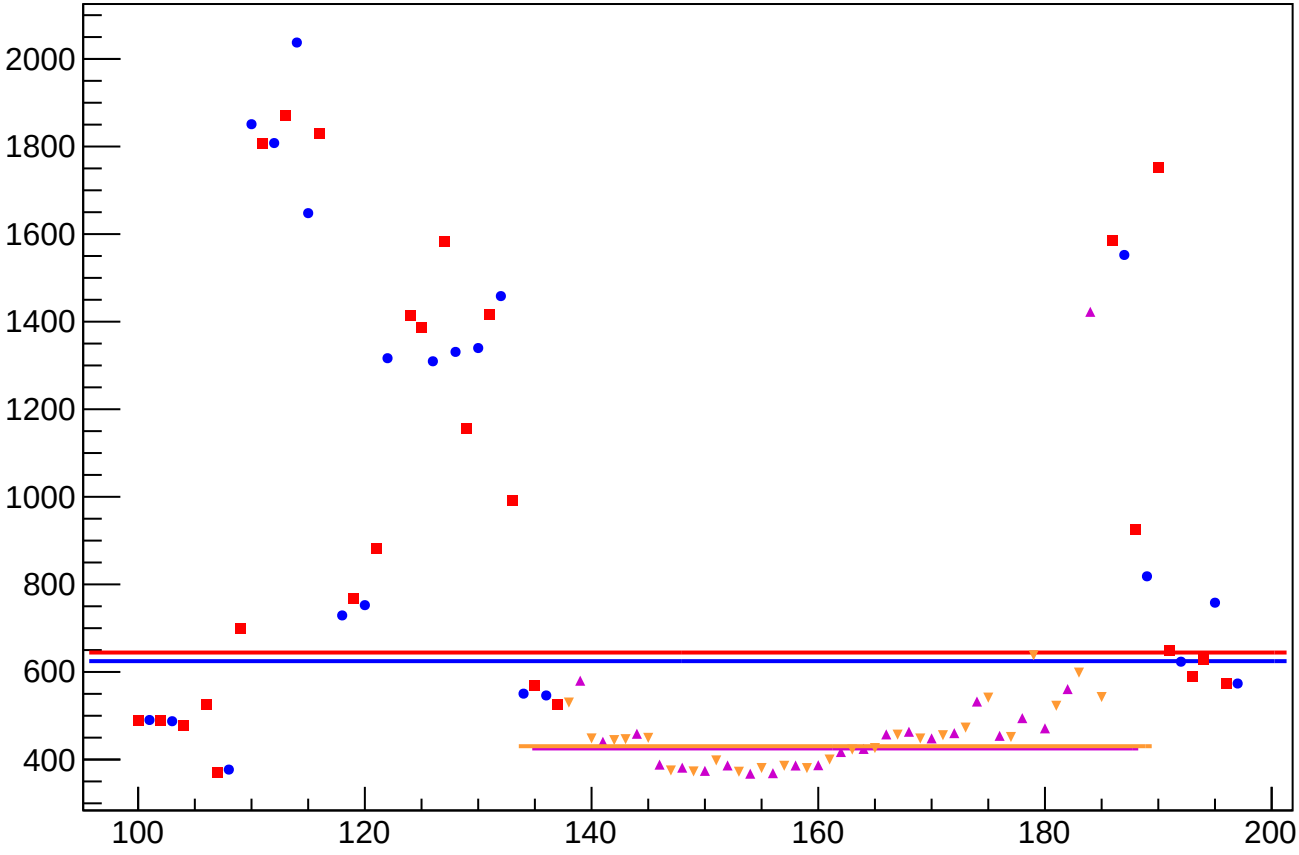
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.278+/-0.091 χ^2/NDF: 56.7/45

All: -0.155+/-0.064 χ^2/NDF: 128.0/94

- sign -0.029+/-0.091 χ^2/NDF: 67.5/48

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 624.721+/-0.149 χ^2/NDF: 3105267.4/20

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

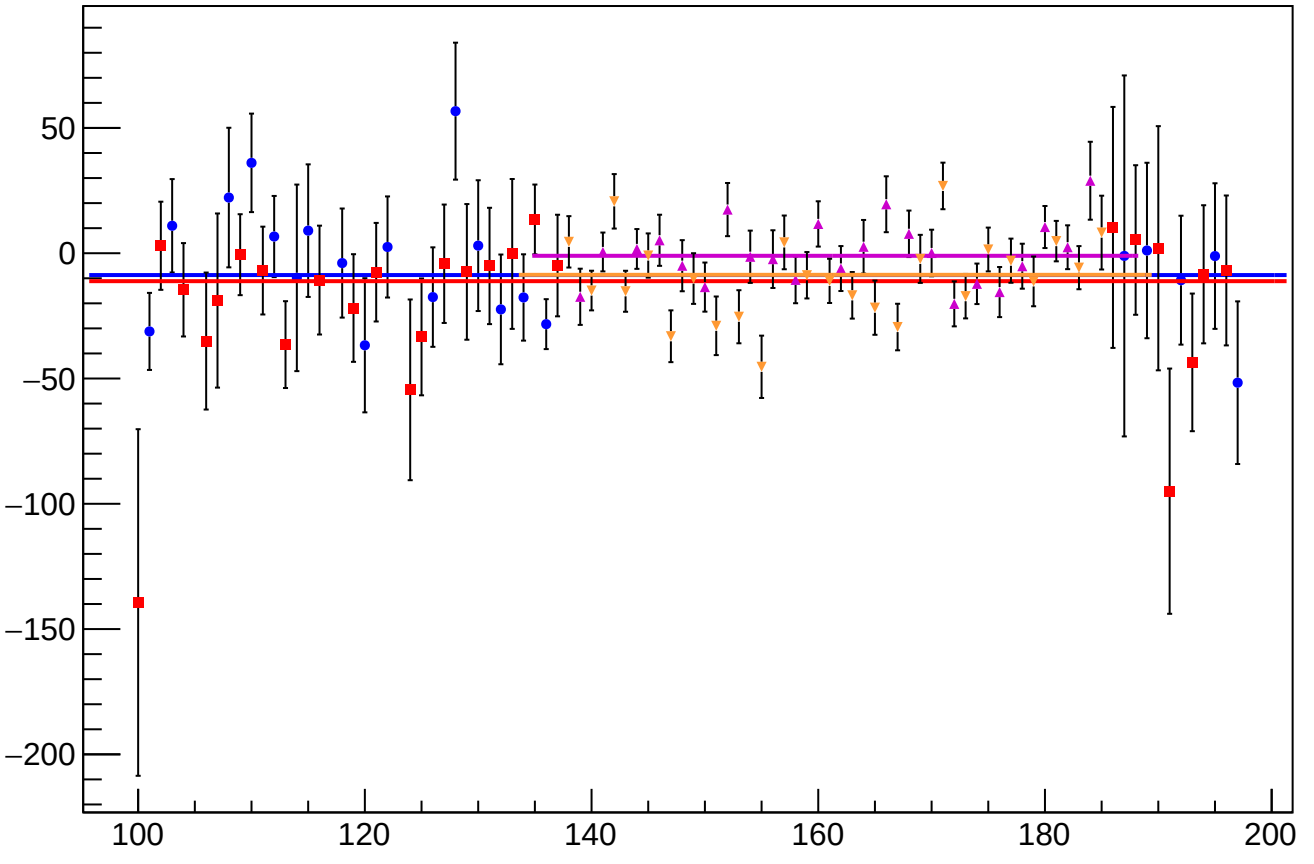
Right Out: 644.381+/-0.147 χ^2/NDF: 3409786.4/25

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 466.181+/-0.064 χ^2/NDF: 5136472.3/45

All: 466.765+/-0.045 χ^2/NDF: 11048610.0/94

- sign 467.359+/-0.065 χ^2/NDF: 5911969.8/48



Right In: -8.713+/-4.544 χ^2/NDF: 25.0/20

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: -11.150+/-4.552 χ^2/NDF: 18.7/25

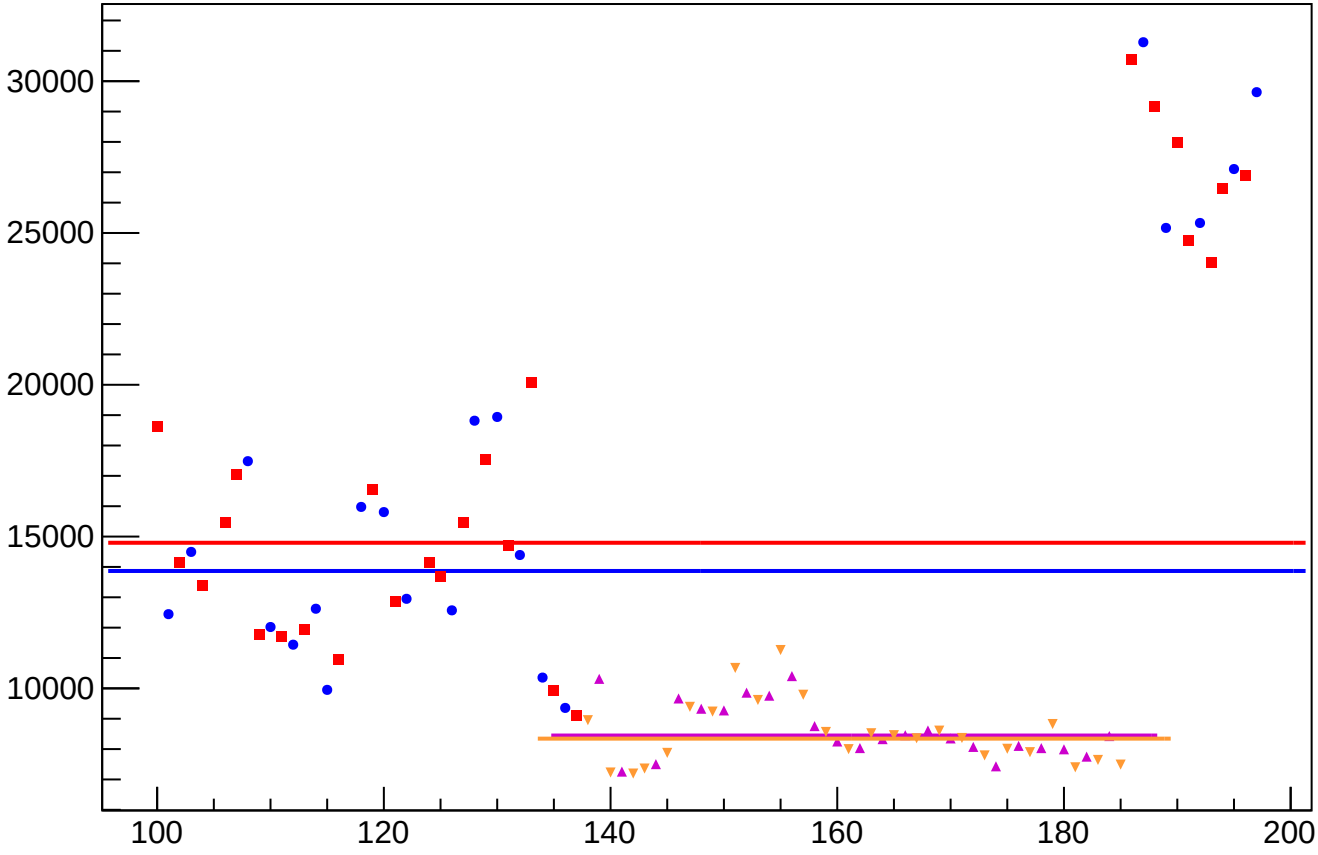
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.636+/-1.763 χ^2/NDF: 86.7/45

All: -5.738+/-1.267 χ^2/NDF: 144.8/94

- sign -2.647+/-1.821 χ^2/NDF: 52.6/48

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 13866.935+/-3.213 χ^2/NDF: 2448962.3/20

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 14796.018+/-3.219 χ^2/NDF: 2629184.2/25

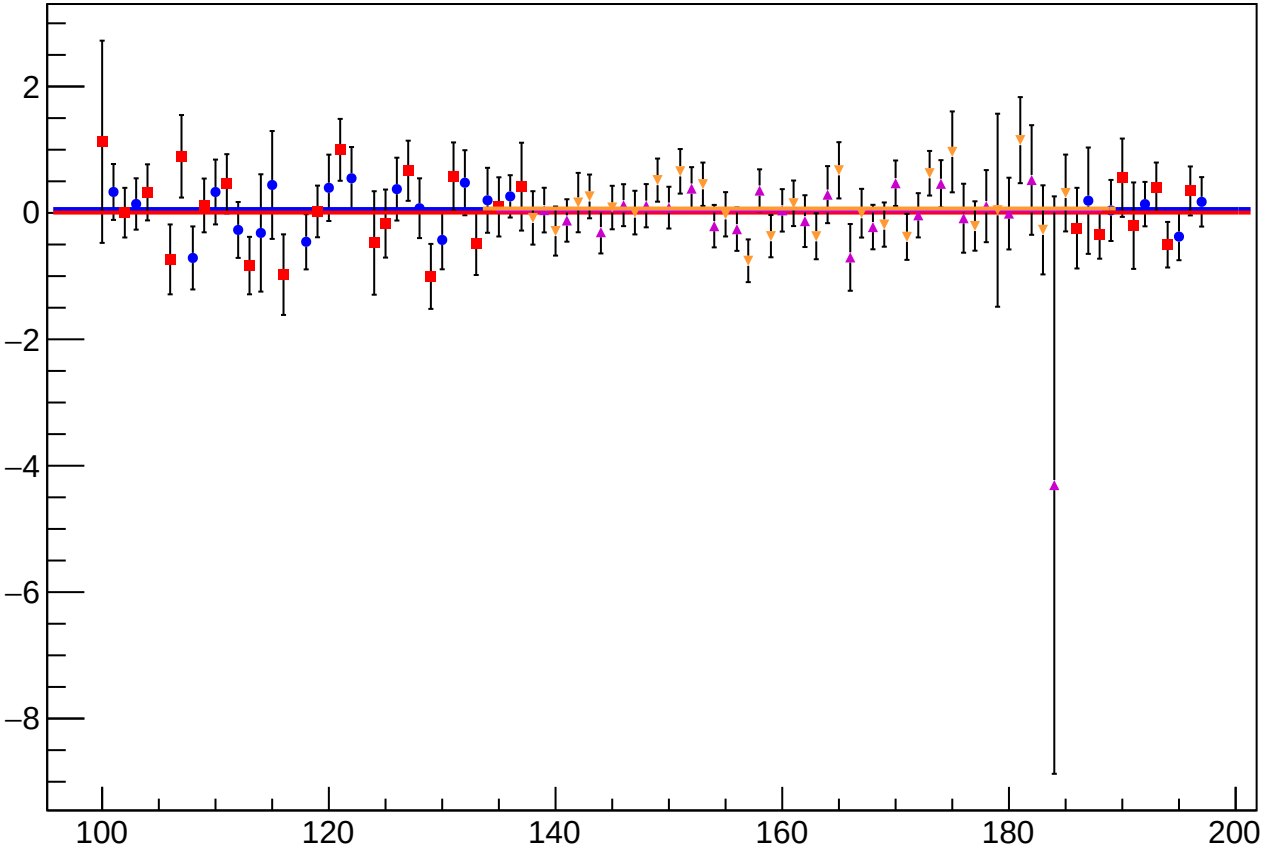
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9175.871+/-1.247 χ^2/NDF: 5427913.1/45

All: 9314.586+/-0.896 χ^2/NDF: 11733052.8/9

- sign 9462.522+/-1.287 χ^2/NDF: 6279557.5/48

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.061+/-0.102 χ^2/NDF: 10.9/20

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.005+/-0.096 χ^2/NDF: 30.0/25

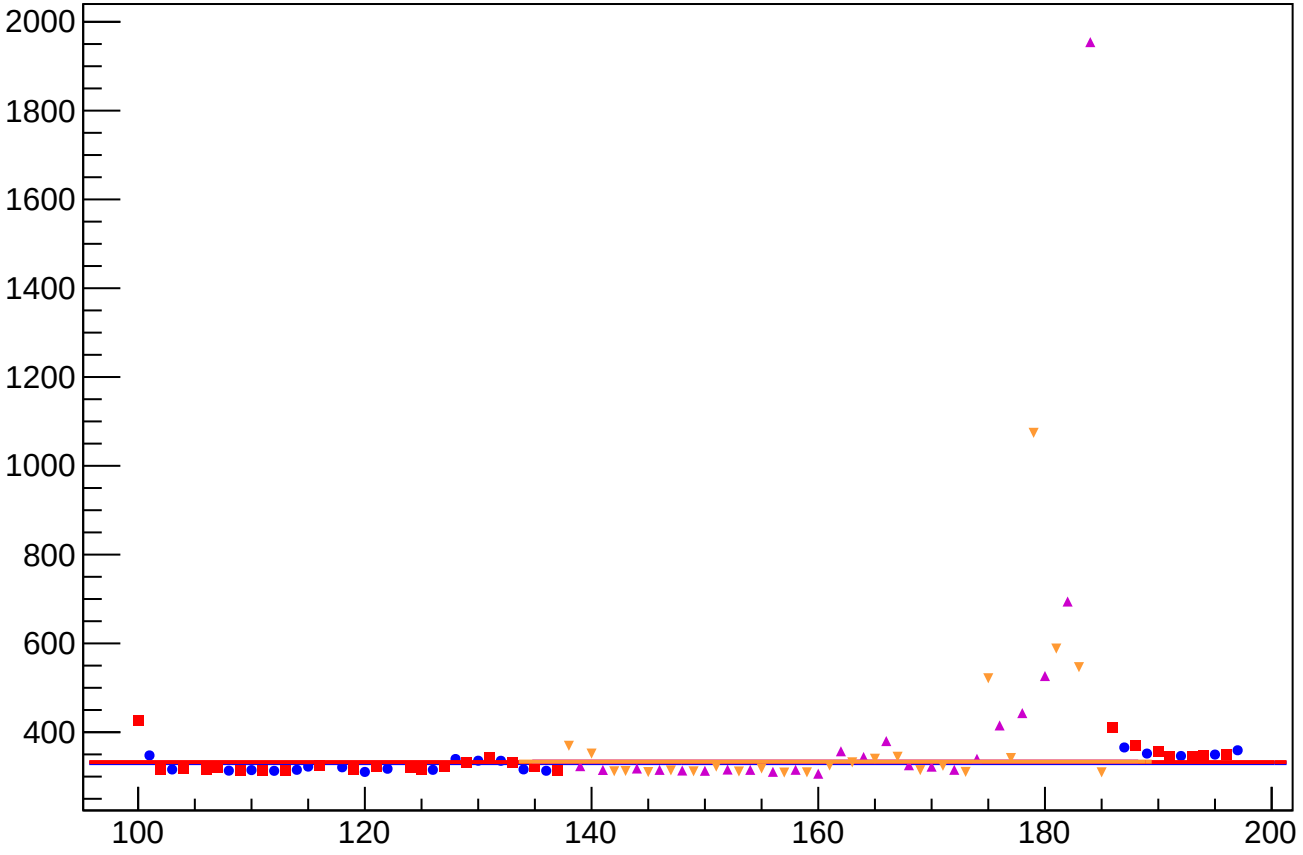
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.066+/-0.062 χ^2/NDF: 39.1/45

All: 0.045+/-0.044 χ^2/NDF: 81.1/94

- sign 0.024+/-0.062 χ^2/NDF: 41.7/48

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 330.379+/-0.072 χ^2/NDF: 56501.1/20

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 332.717+/-0.068 χ^2/NDF: 97873.5/25

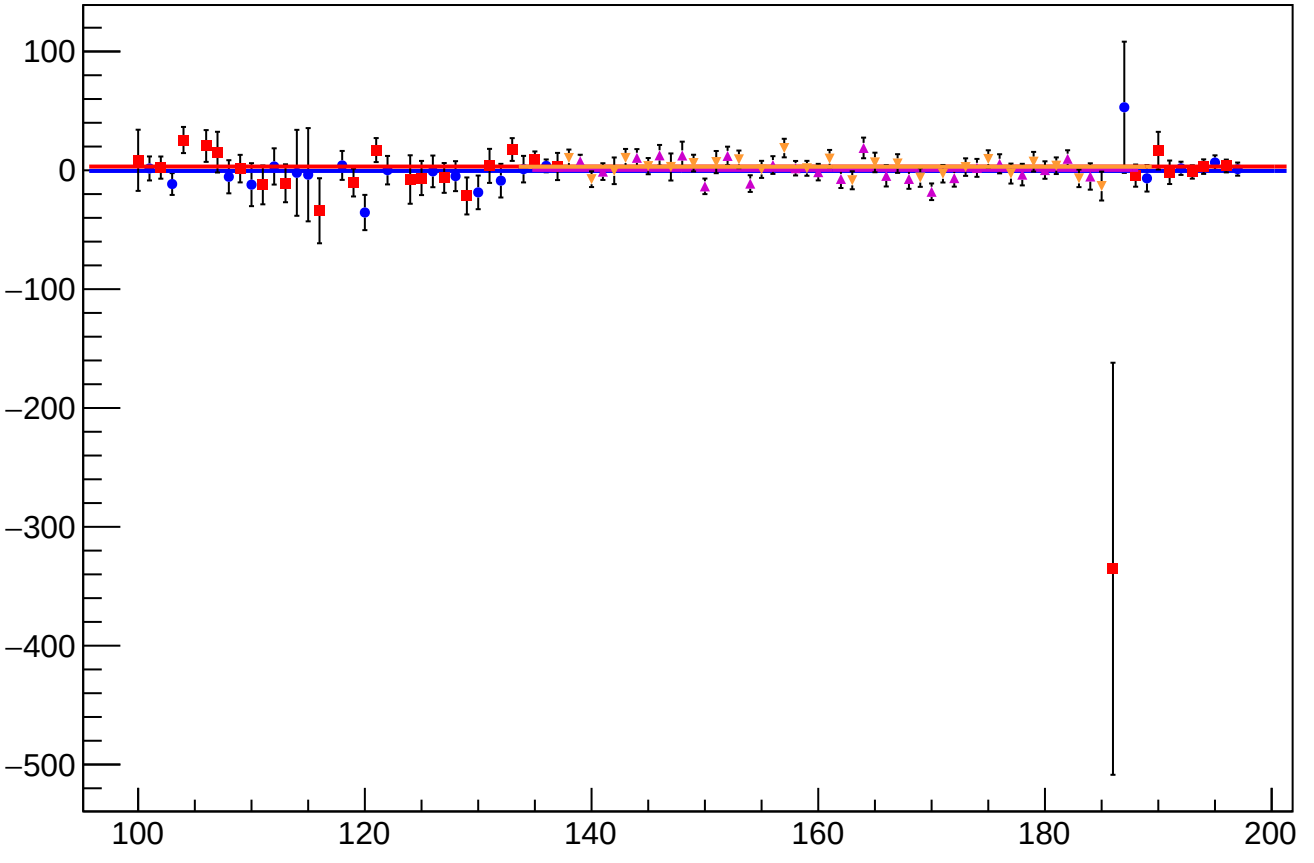
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 332.501+/-0.044 χ^2/NDF: 1275155.5/45

All: 332.982+/-0.031 χ^2/NDF: 2424451.1/94

- sign 333.458+/-0.044 χ^2/NDF: 1149058.8/48

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -0.537+/-2.138 χ^2/NDF: 13.4/20

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

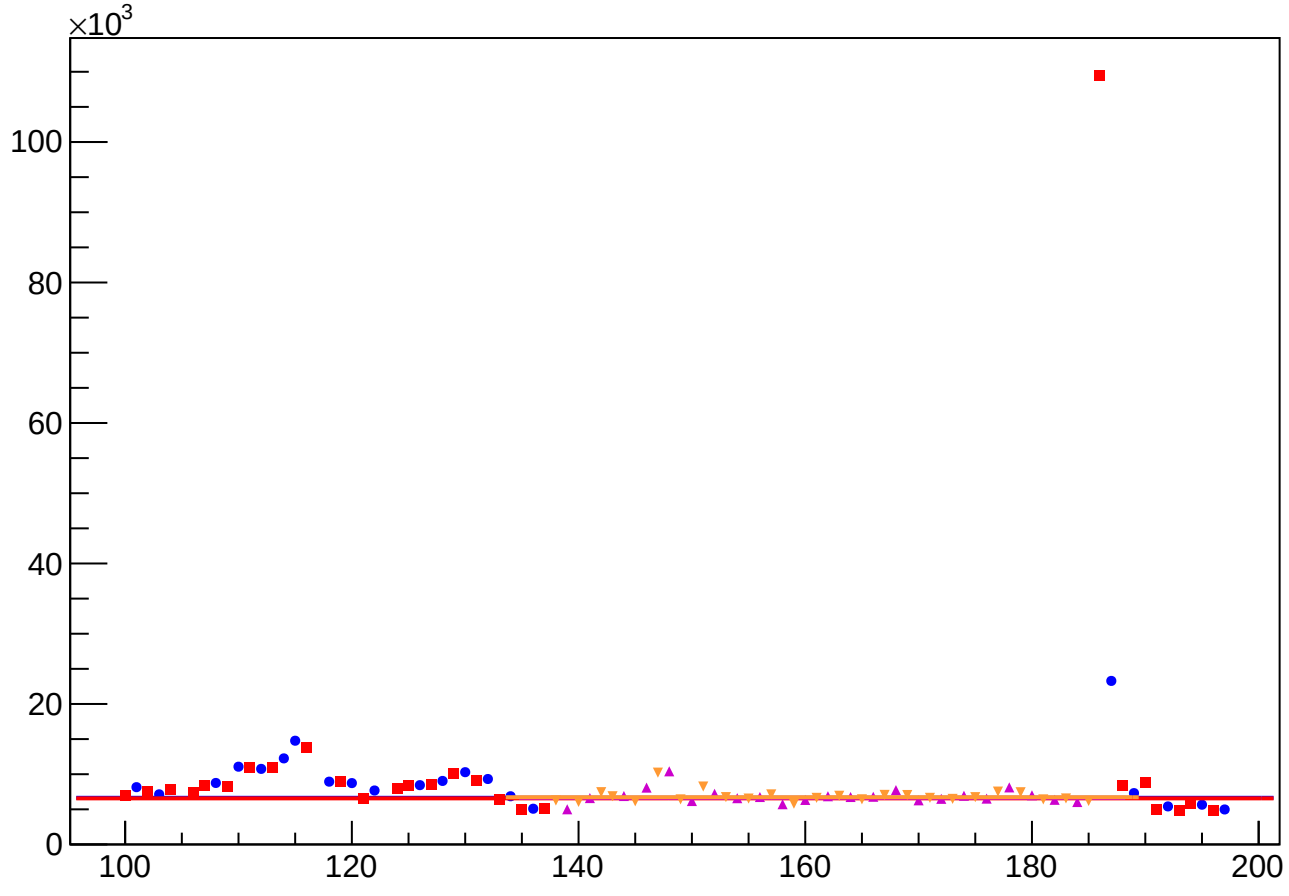
Right Out: 3.172+/-2.024 χ^2/NDF: 25.9/25

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.805+/-1.250 χ^2/NDF: 35.5/45

All: 1.606+/-0.880 χ^2/NDF: 96.5/94

- sign 1.409+/-1.240 χ^2/NDF: 60.9/48



Right In: 6641.669+/-1.512 χ^2/NDF: 1622108.1/20

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6561.248+/-1.431 χ^2/NDF: 2318776.9/25

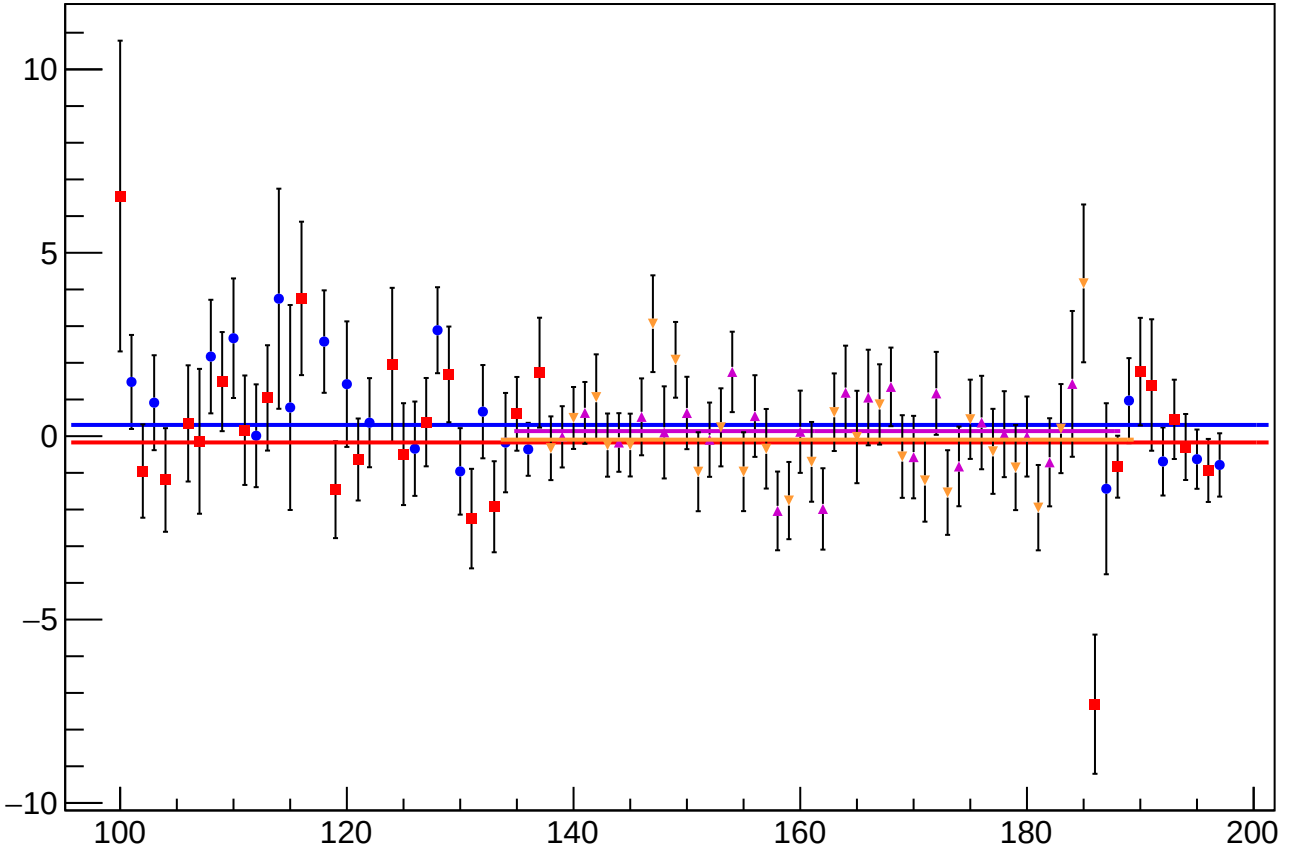
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6695.170+/-0.884 χ^2/NDF: 2027329.0/45

All: 6650.156+/-0.623 χ^2/NDF: 4982294.0/94

- sign 6605.911+/-0.877 χ^2/NDF: 2949826.0/48

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.307+/-0.264 χ^2/NDF: 21.4/20

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.171+/-0.254 χ^2/NDF: 38.7/25

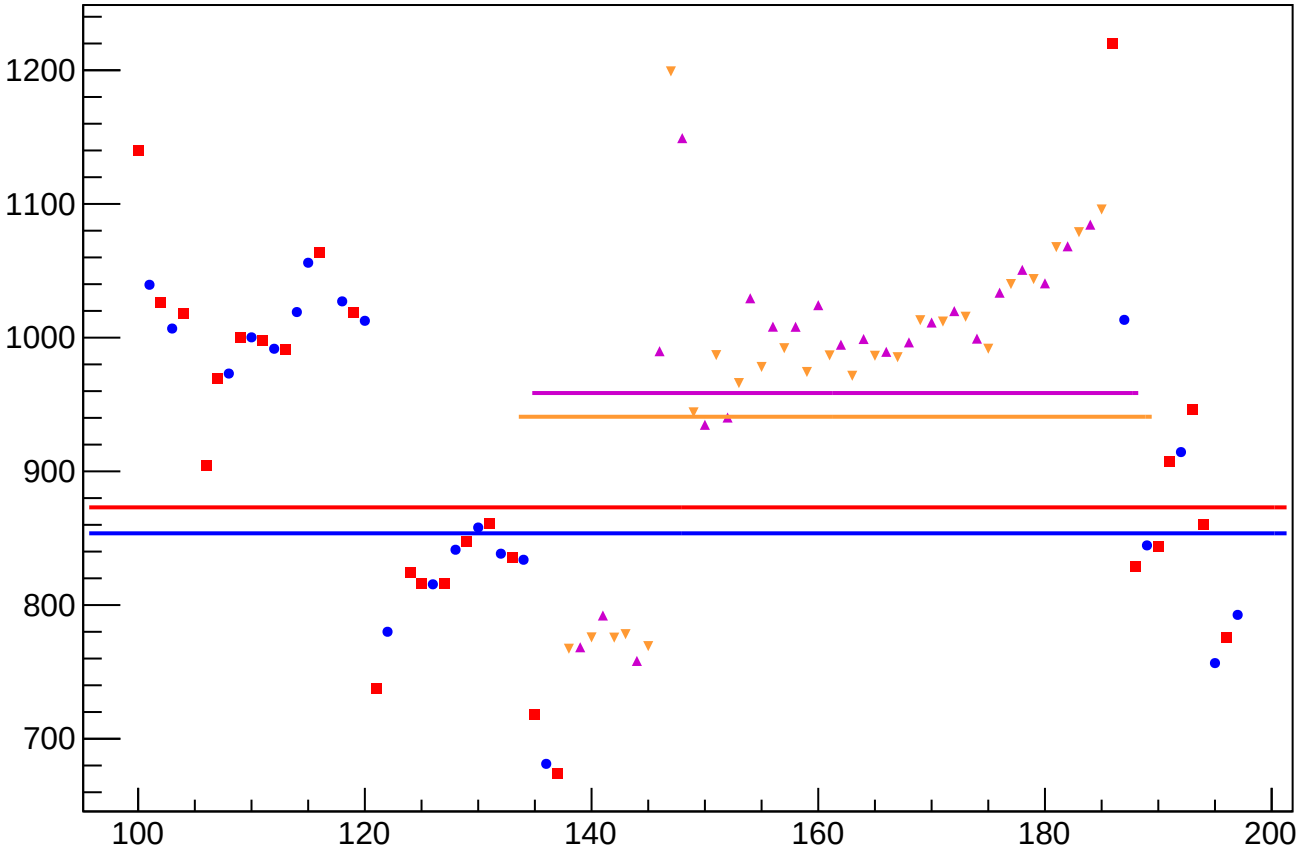
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.066+/-0.167 χ^2/NDF: 50.1/45

All: 0.034+/-0.119 χ^2/NDF: 106.2/94

- sign 0.002+/-0.169 χ^2/NDF: 56.0/48

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 853.655+/-0.186 χ^2/NDF: 363361.3/20

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 873.074+/-0.180 χ^2/NDF: 382339.7/25

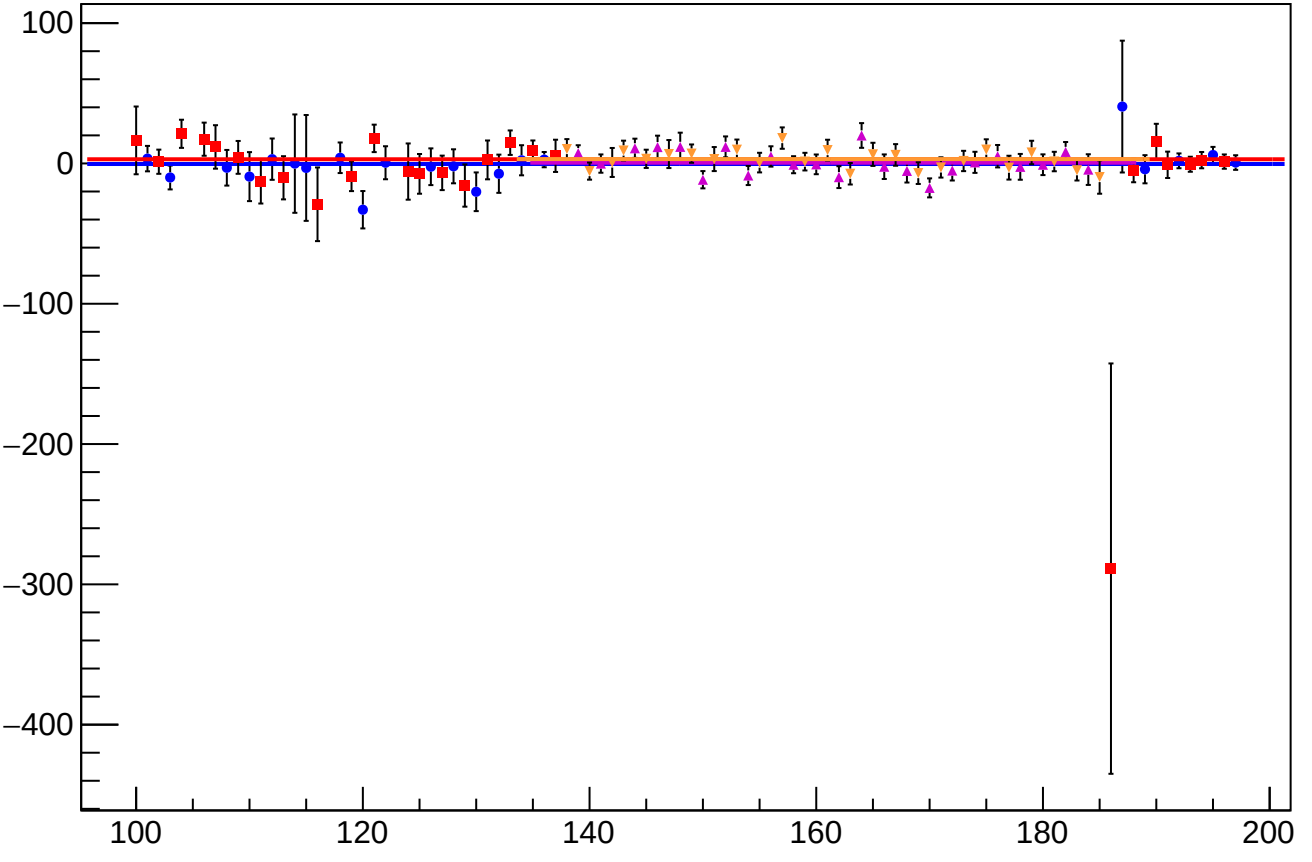
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 905.960+/-0.118 χ^2/NDF: 1063275.7/45

All: 913.382+/-0.084 χ^2/NDF: 2037107.5/94

- sign 920.968+/-0.119 χ^2/NDF: 965826.0/48

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -0.405+/-2.034 χ^2/NDF: 13.1/20

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 2.979+/-1.914 χ^2/NDF: 24.5/25

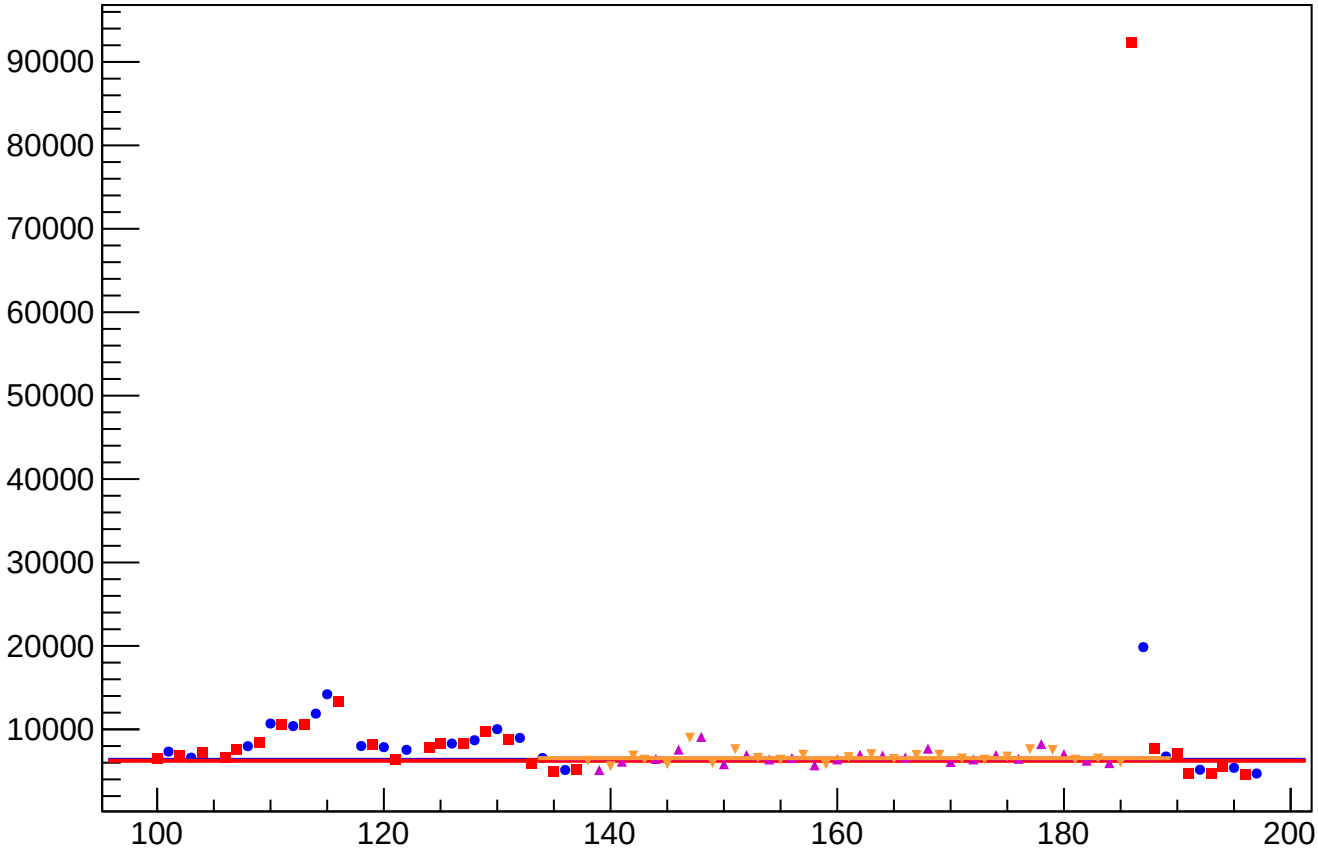
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.865+/-1.207 χ^2/NDF: 33.6/45

All: 1.671+/-0.850 χ^2/NDF: 91.2/94

- sign 1.481+/-1.197 χ^2/NDF: 57.5/48

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6344.382+/-1.438 χ^2/NDF: 1524098.2/20

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6232.719+/-1.354 χ^2/NDF: 2247889.9/25

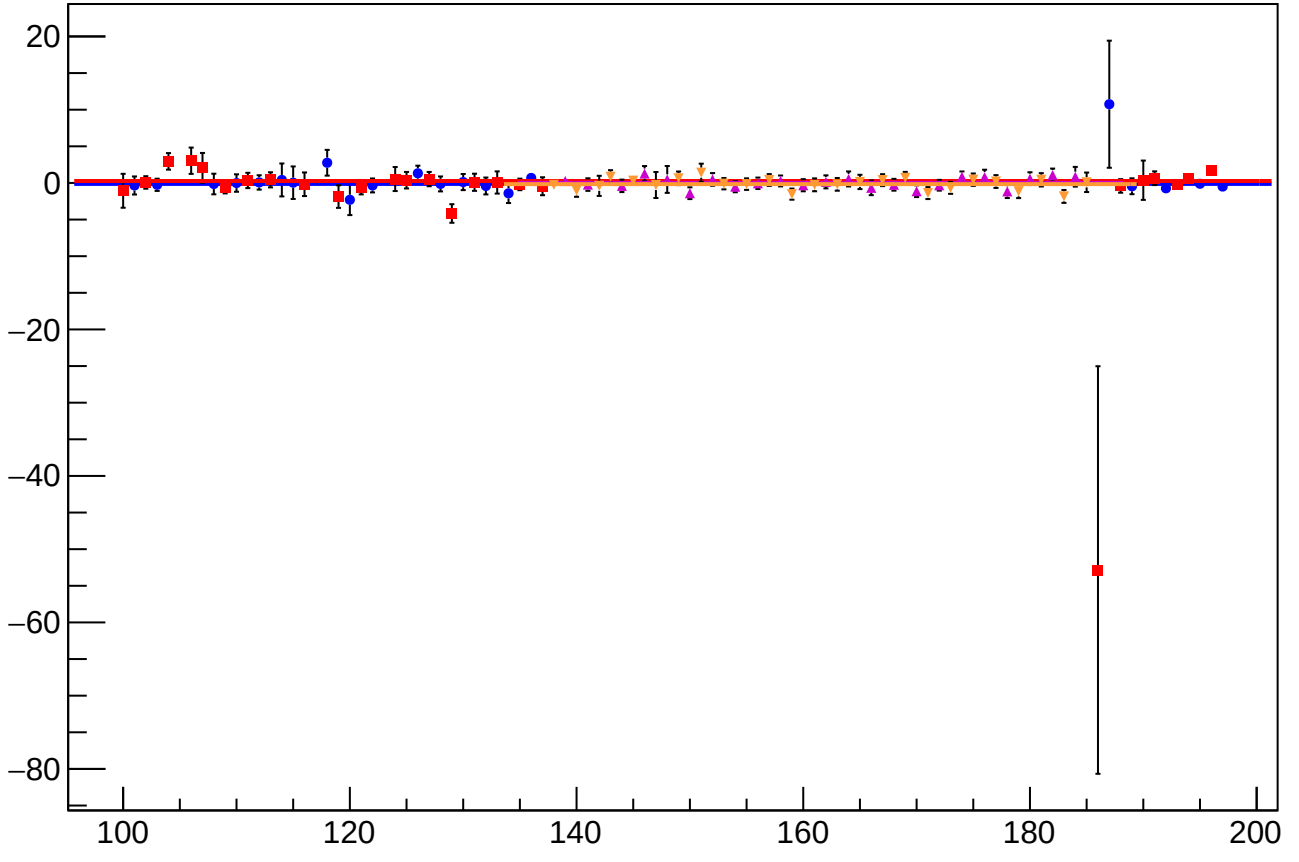
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6476.854+/-0.854 χ^2/NDF: 1903263.5/45

All: 6437.346+/-0.601 χ^2/NDF: 4695537.8/94

- sign 6398.487+/-0.847 χ^2/NDF: 2788026.8/48

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.131+/-0.202 χ^2/NDF: 12.3/20

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.263+/-0.194 χ^2/NDF: 37.6/25

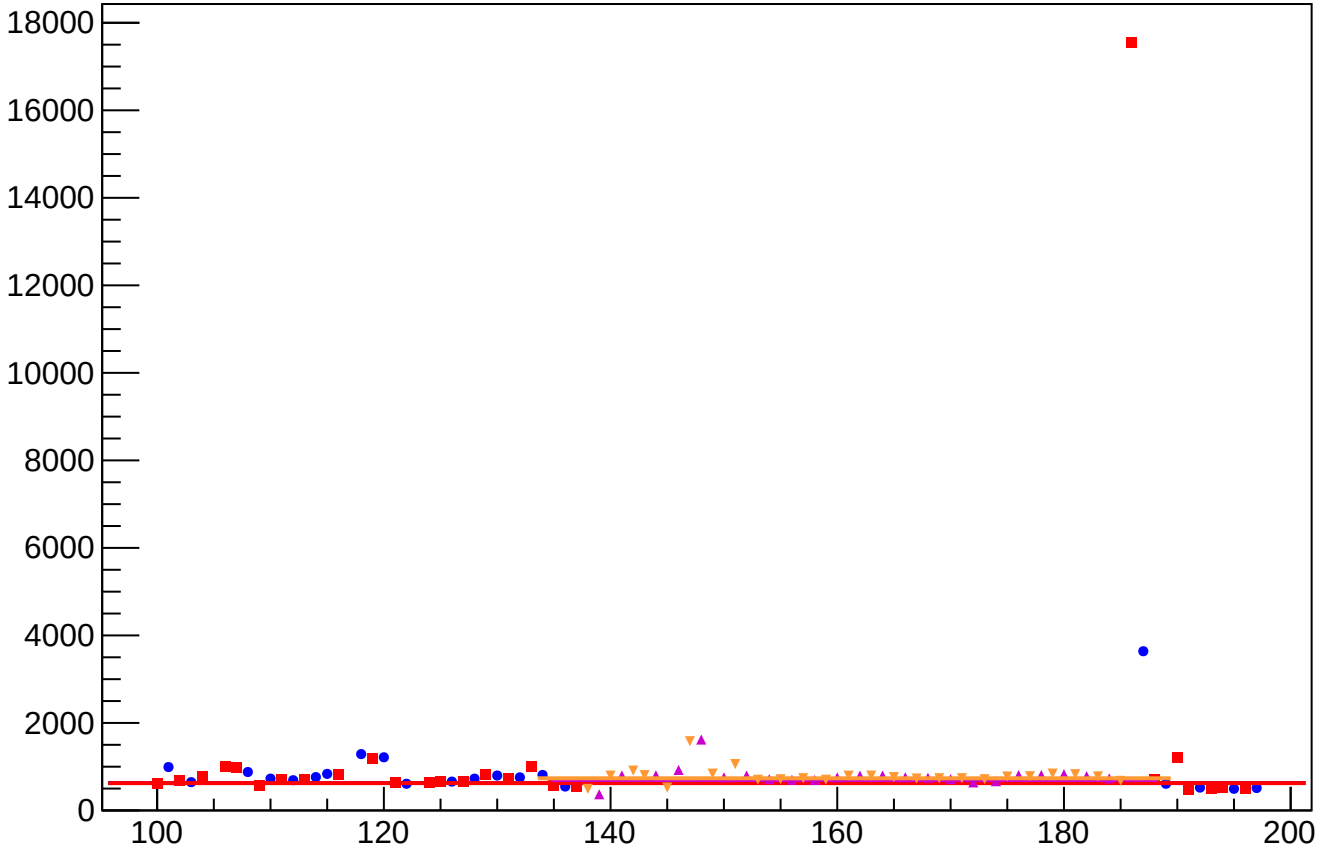
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.149+/-0.131 χ^2/NDF: 31.3/45

All: -0.009+/-0.091 χ^2/NDF: 87.2/94

- sign 0.123+/-0.128 χ^2/NDF: 53.8/48

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 627.022+/-0.143 χ^2/NDF: 1421632.3/20

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 625.029+/-0.137 χ^2/NDF: 1898409.3/25

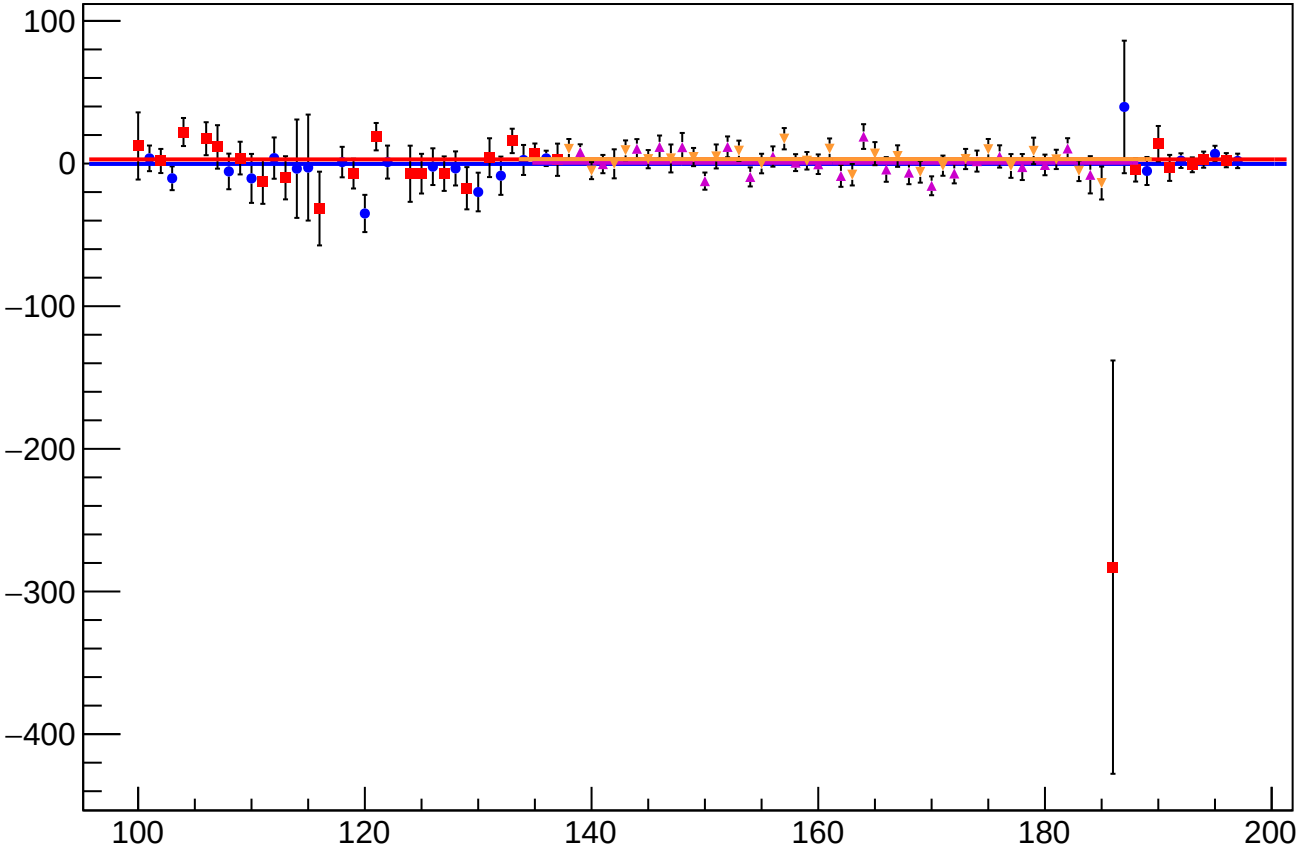
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 689.666+/-0.093 χ^2/NDF: 3091687.6/45

All: 676.673+/-0.065 χ^2/NDF: 7397430.7/94

- sign 664.374+/-0.090 χ^2/NDF: 4267508.0/48

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -0.268+/-1.994 χ^2/NDF: 15.5/20

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 2.920+/-1.876 χ^2/NDF: 25.5/25

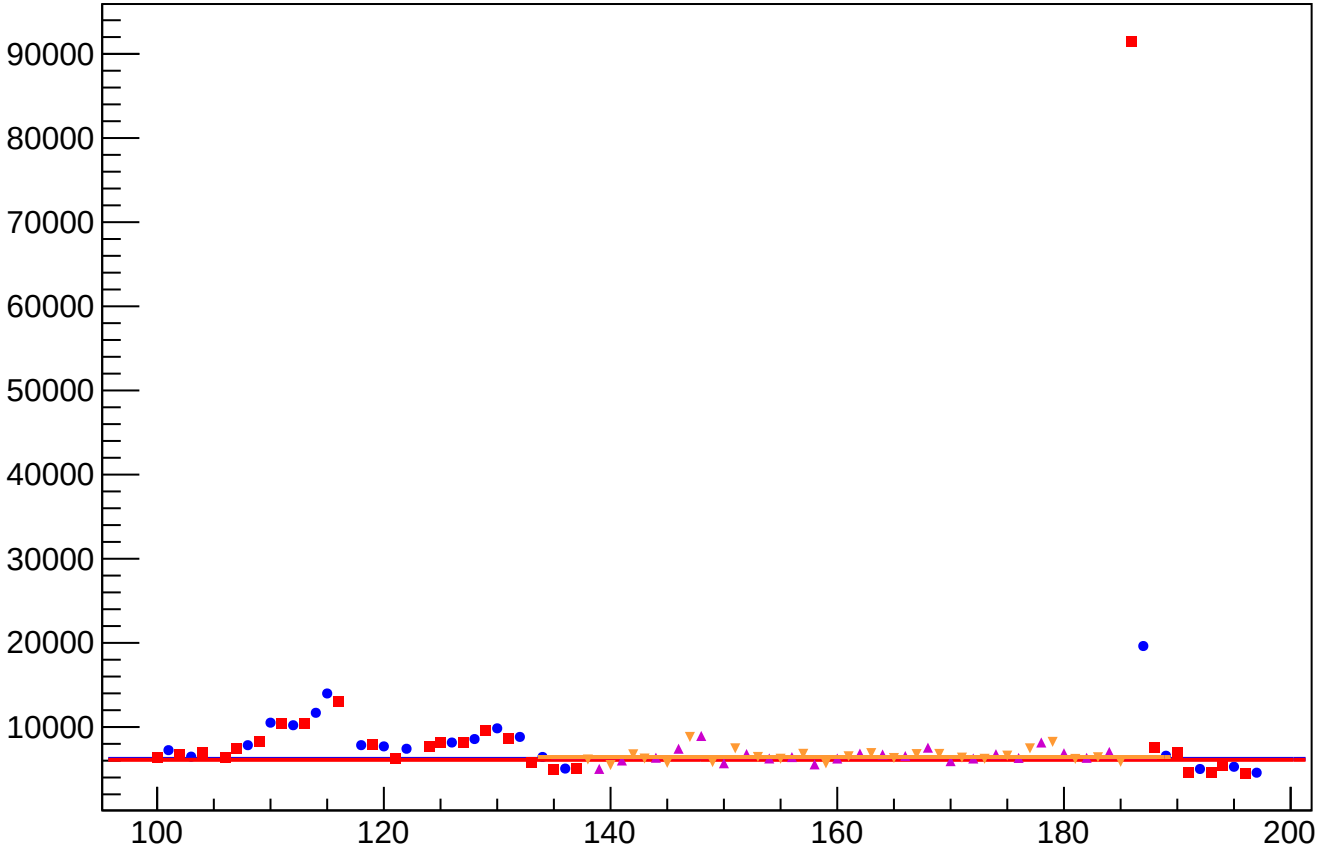
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.915+/-1.186 χ^2/NDF: 36.1/45

All: 1.697+/-0.836 χ^2/NDF: 96.2/94

- sign 1.483+/-1.178 χ^2/NDF: 60.0/48

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6211.248+/-1.410 χ^2/NDF: 1552793.4/20

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6102.271+/-1.327 χ^2/NDF: 2267324.2/25

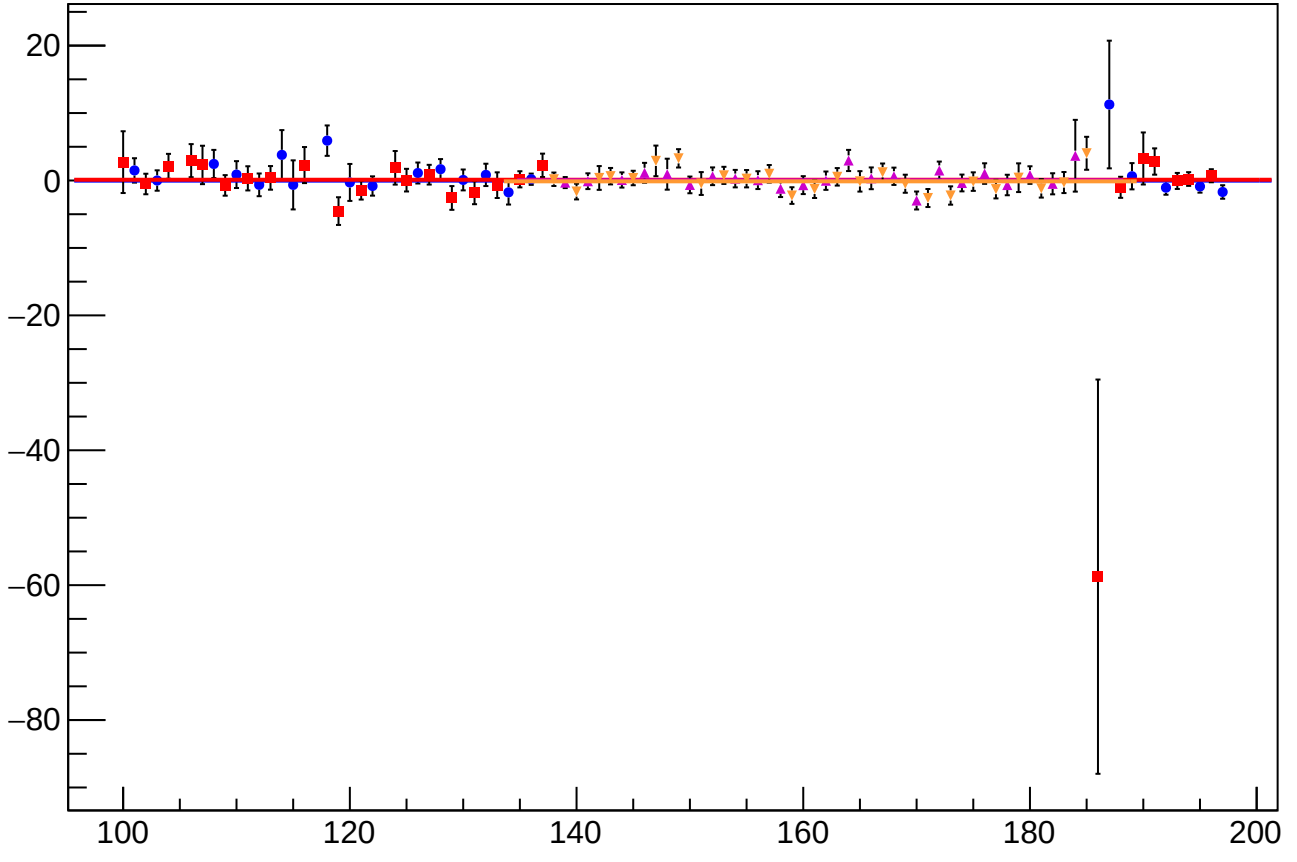
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6356.021+/-0.839 χ^2/NDF: 1986431.1/45

All: 6320.701+/-0.591 χ^2/NDF: 4813957.6/94

- sign 6285.913+/-0.833 χ^2/NDF: 2824008.6/48

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: -0.020+/-0.328 χ^2/NDF: 20.1/20

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.109+/-0.325 χ^2/NDF: 24.6/25

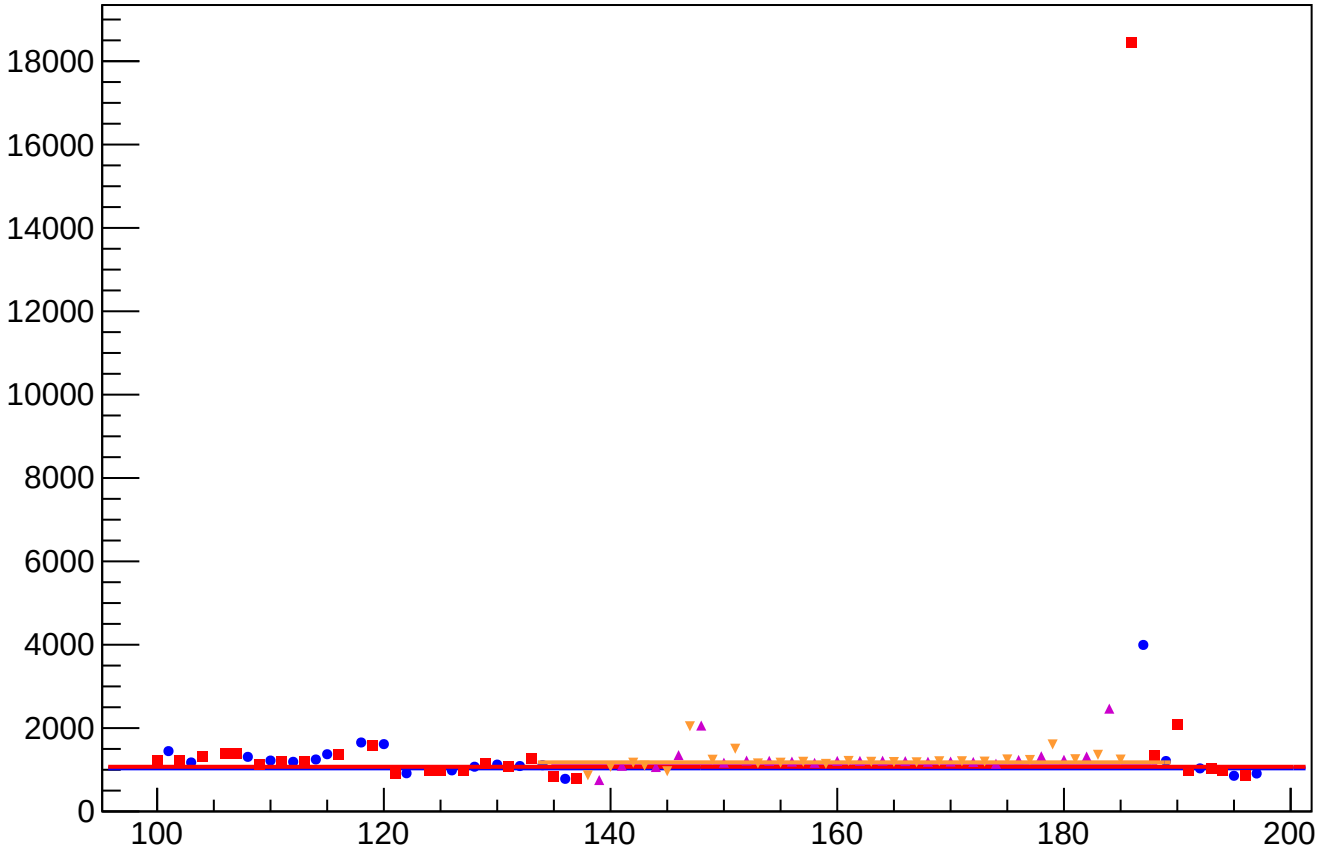
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.080+/-0.210 χ^2/NDF: 47.1/45

All: -0.009+/-0.149 χ^2/NDF: 86.4/94

- sign 0.063+/-0.212 χ^2/NDF: 39.1/48

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1034.121+/-0.232 χ^2/NDF: 986425.1/20

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1071.888+/-0.230 χ^2/NDF: 1507151.6/25

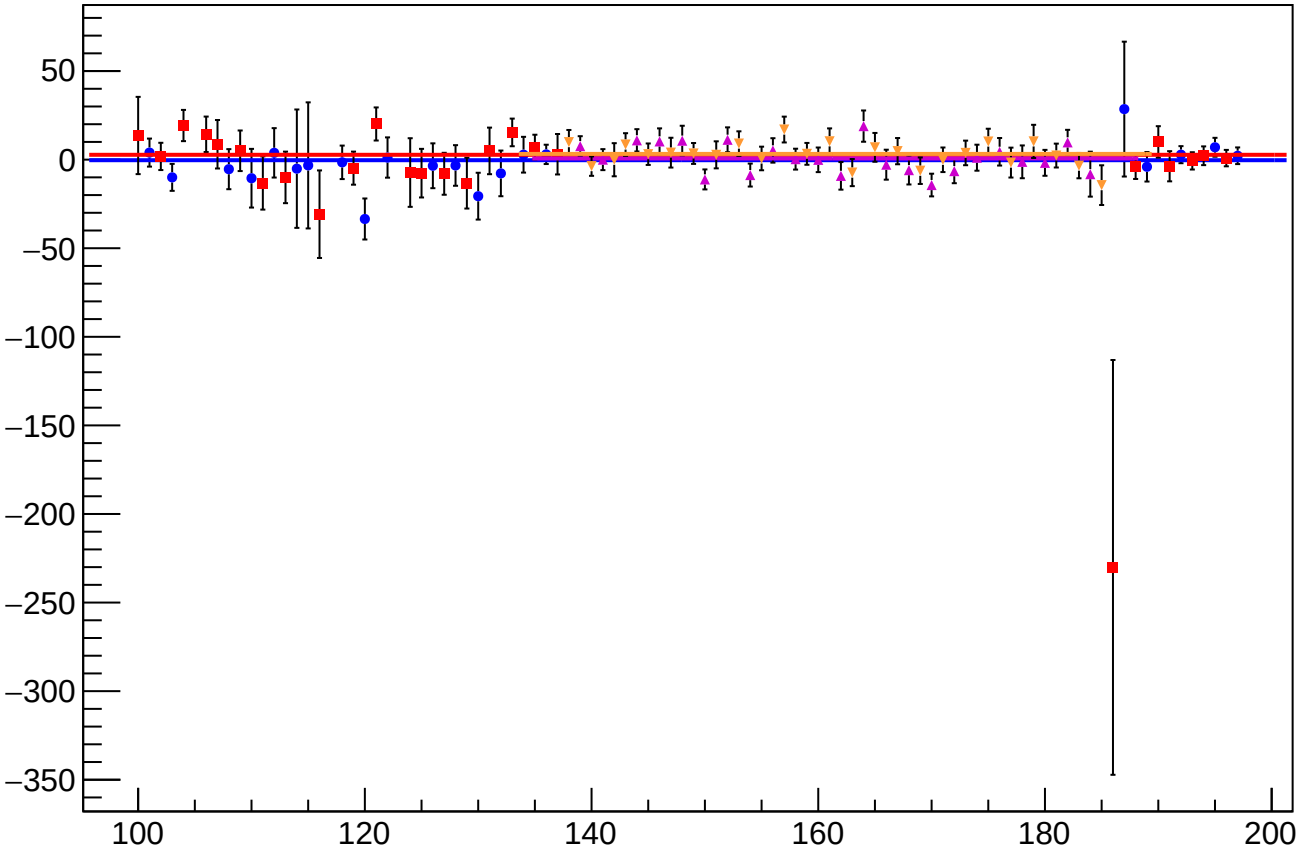
Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1118.885+/-0.149 χ^2/NDF: 2013541.7/45

All: 1121.864+/-0.105 χ^2/NDF: 4665979.3/94

- sign 1124.885+/-0.150 χ^2/NDF: 2651627.1/48

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -0.319+/-1.871 χ^2/NDF: 17.5/20

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 2.735+/-1.743 χ^2/NDF: 25.8/25

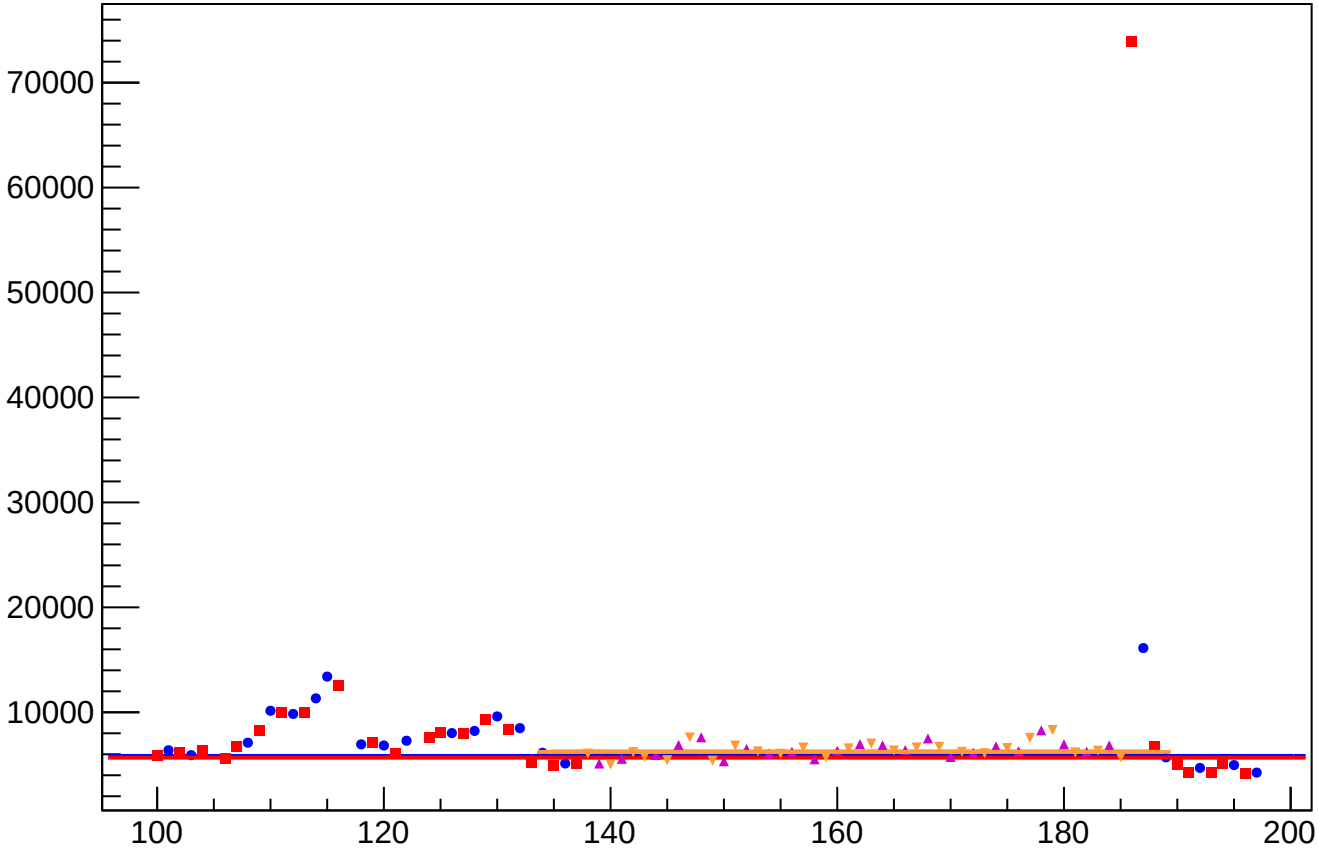
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.925+/-1.136 χ^2/NDF: 37.7/45

All: 1.725+/-0.799 χ^2/NDF: 96.7/94

- sign 1.529+/-1.125 χ^2/NDF: 59.0/48

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5839.559+/-1.323 χ^2/NDF: 1522835.2/20

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5679.448+/-1.232 χ^2/NDF: 2286776.7/25

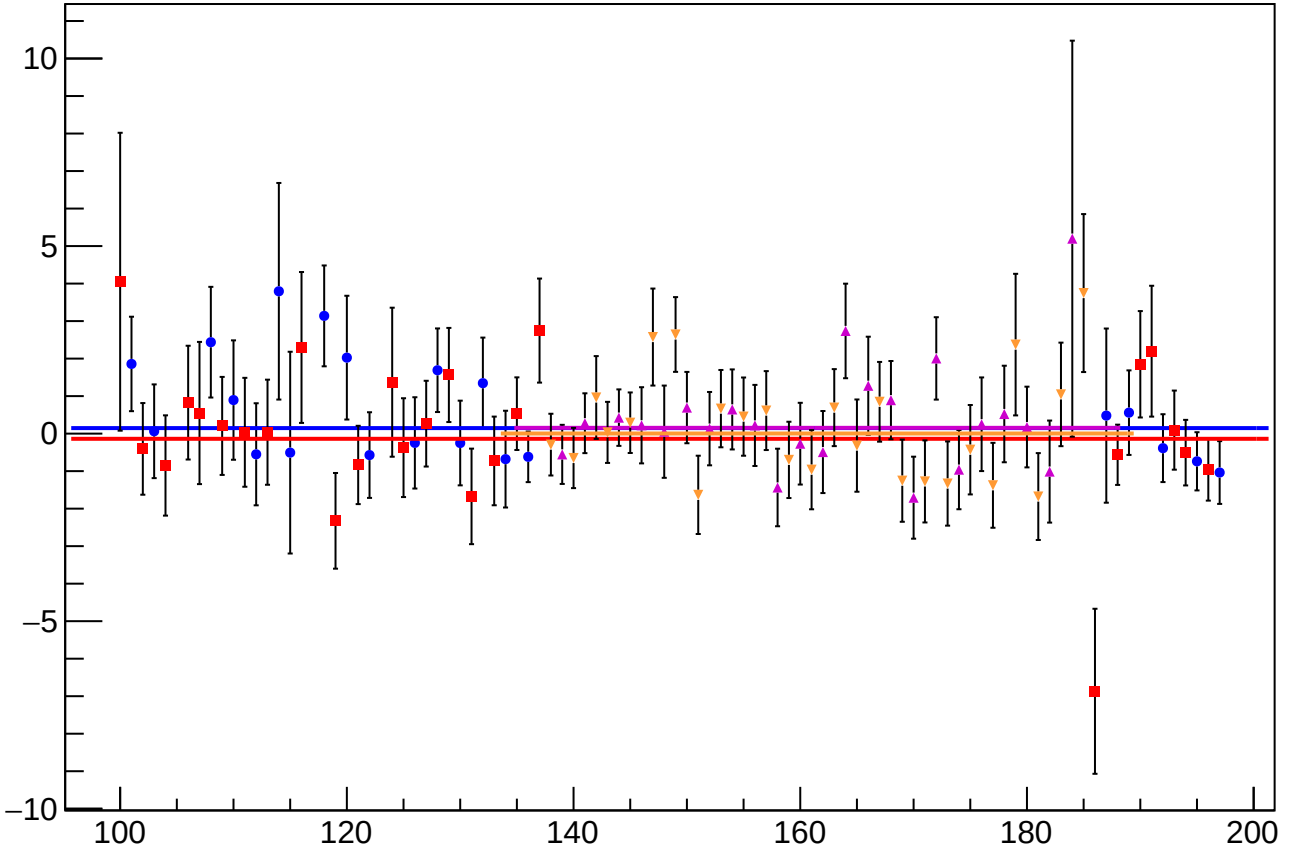
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6085.251+/-0.803 χ^2/NDF: 2048290.3/45

All: 6047.405+/-0.565 χ^2/NDF: 4948031.9/94

- sign 6010.268+/-0.796 χ^2/NDF: 2895343.5/48

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.147+/-0.253 χ^2/NDF: 21.7/20

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.138+/-0.244 χ^2/NDF: 30.6/25

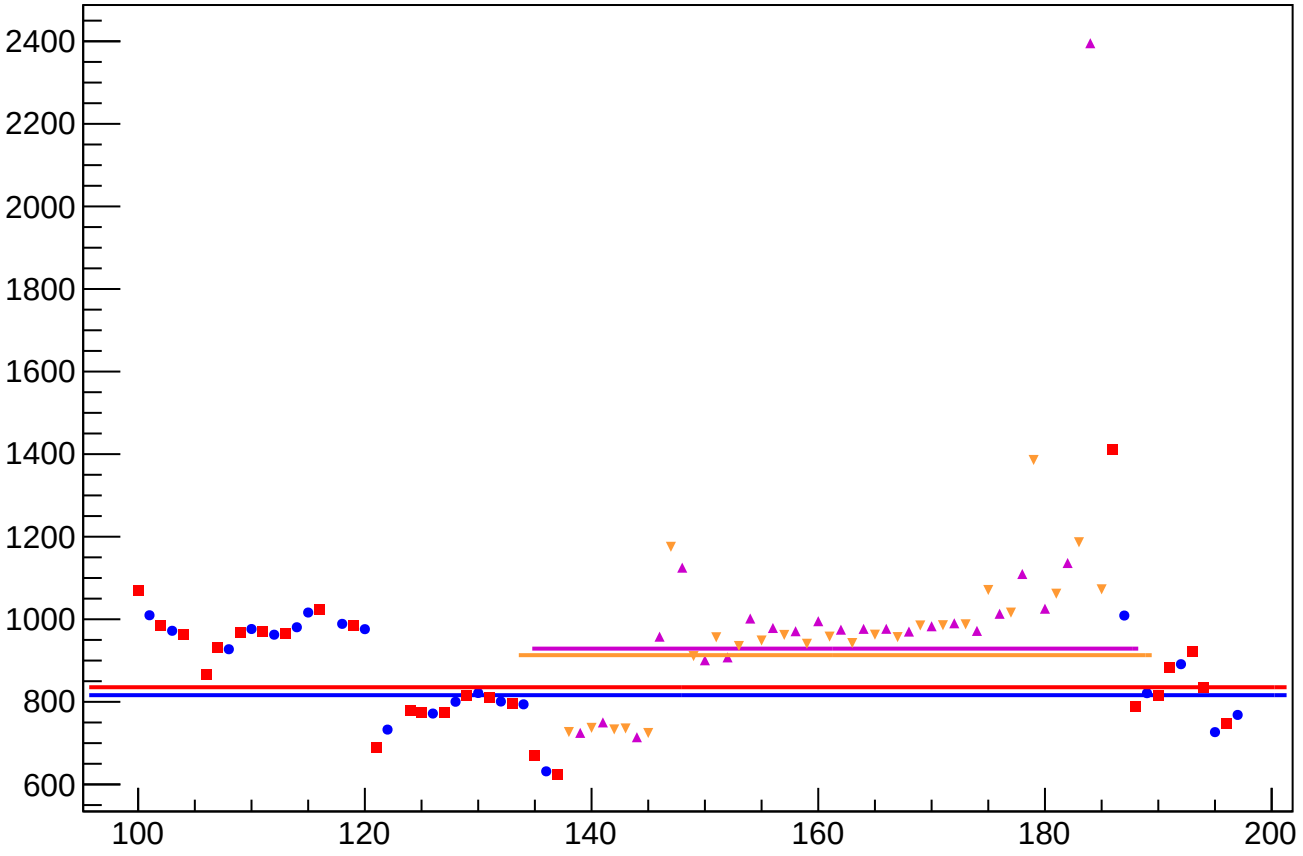
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.063+/-0.162 χ^2/NDF: 53.5/45

All: 0.043+/-0.115 χ^2/NDF: 103.3/94

- sign 0.023+/-0.164 χ^2/NDF: 49.8/48

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 816.156+/-0.179 χ^2/NDF: 427647.0/20

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

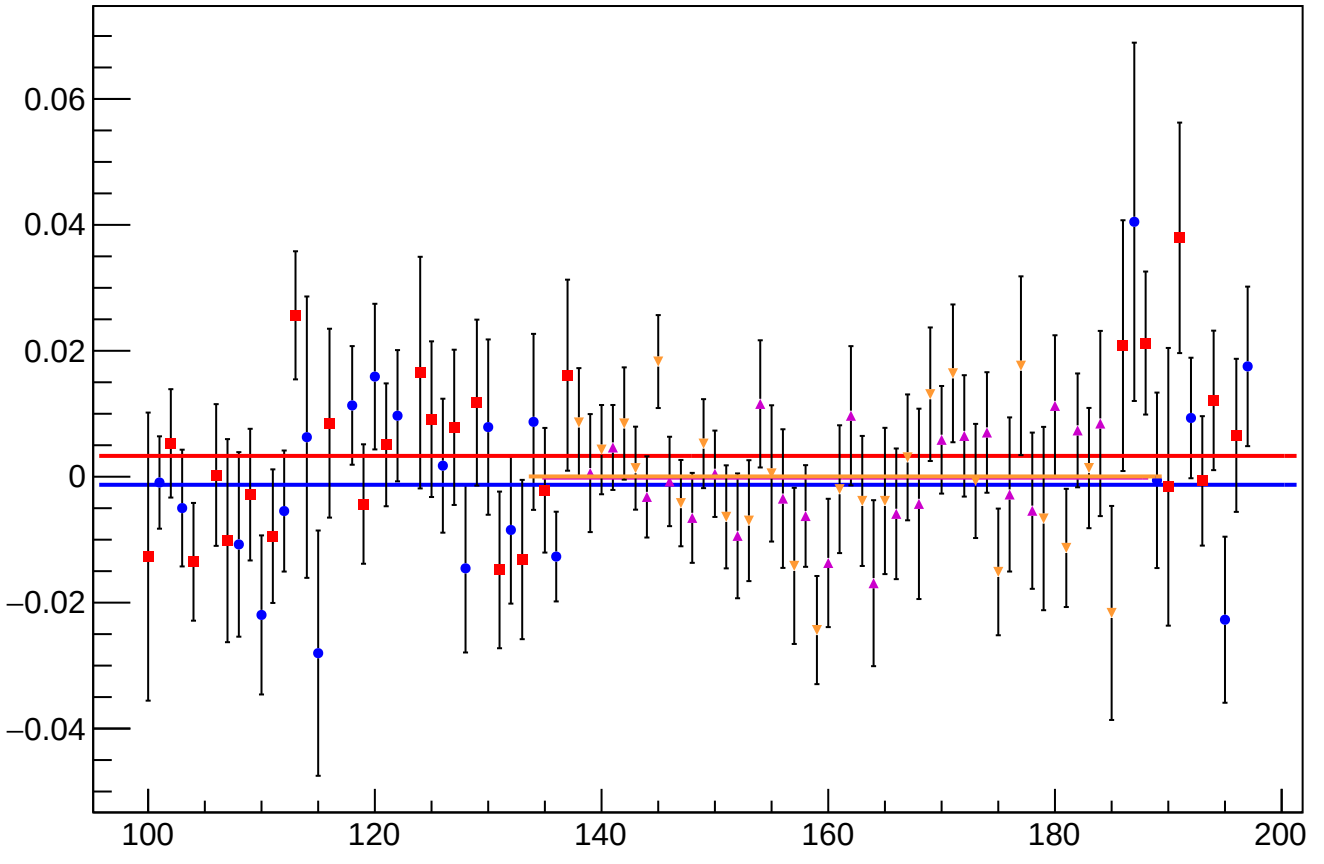
Right Out: 835.407+/-0.173 χ^2/NDF: 502331.2/25

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 873.087+/-0.115 χ^2/NDF: 1489410.7/45

All: 879.888+/-0.082 χ^2/NDF: 2928978.9/94

- sign 886.814+/-0.116 χ^2/NDF: 1432490.2/48



Right In: -0.001+/-0.002 χ^2/NDF: 23.7/20

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.003+/-0.002 χ^2/NDF: 25.8/25

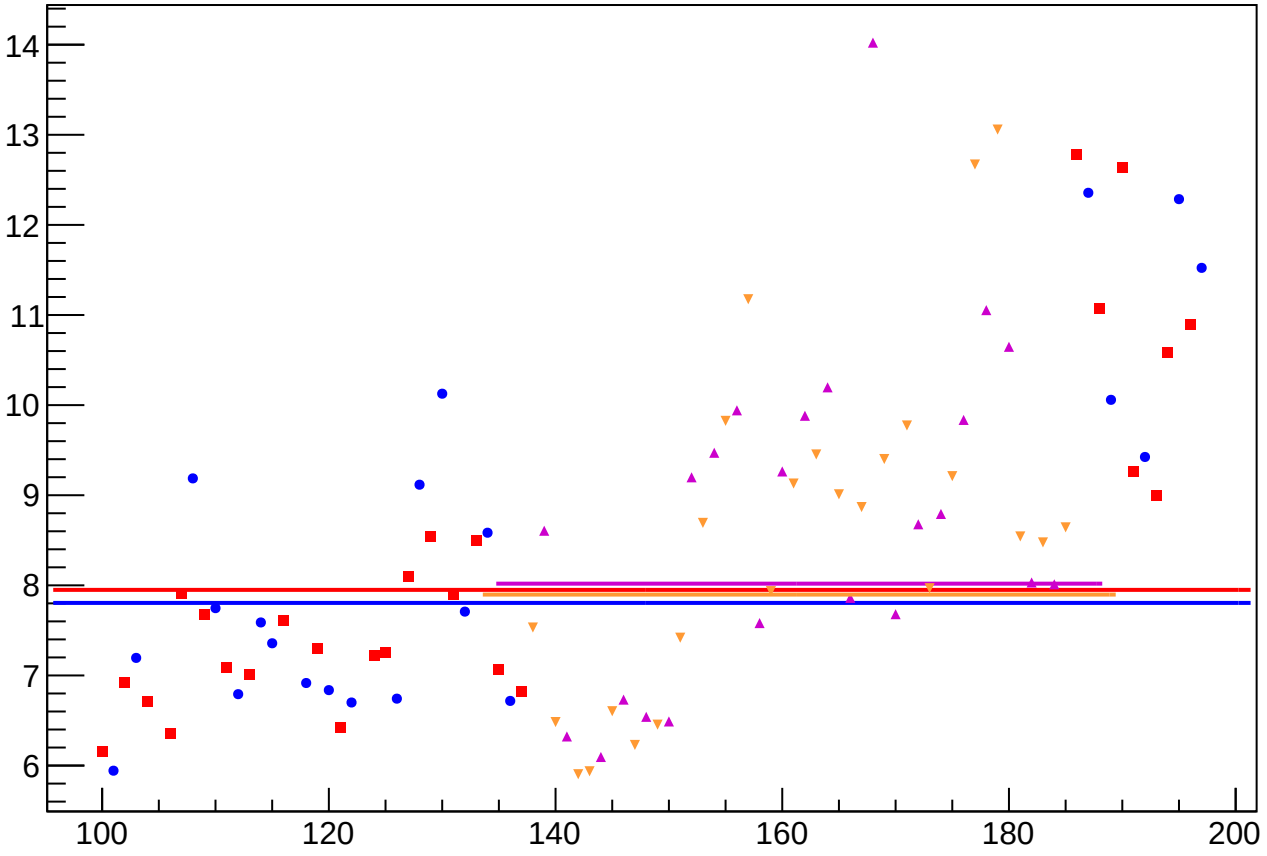
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.000+/-0.001 χ^2/NDF: 55.0/45

All: 0.000+/-0.001 χ^2/NDF: 95.6/94

- sign 0.001+/-0.001 χ^2/NDF: 39.9/48

diff_dispE_bpm12X_rms vs Slug



Right In: 7.805+/-0.002 χ^2/NDF: 944676.9/20

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

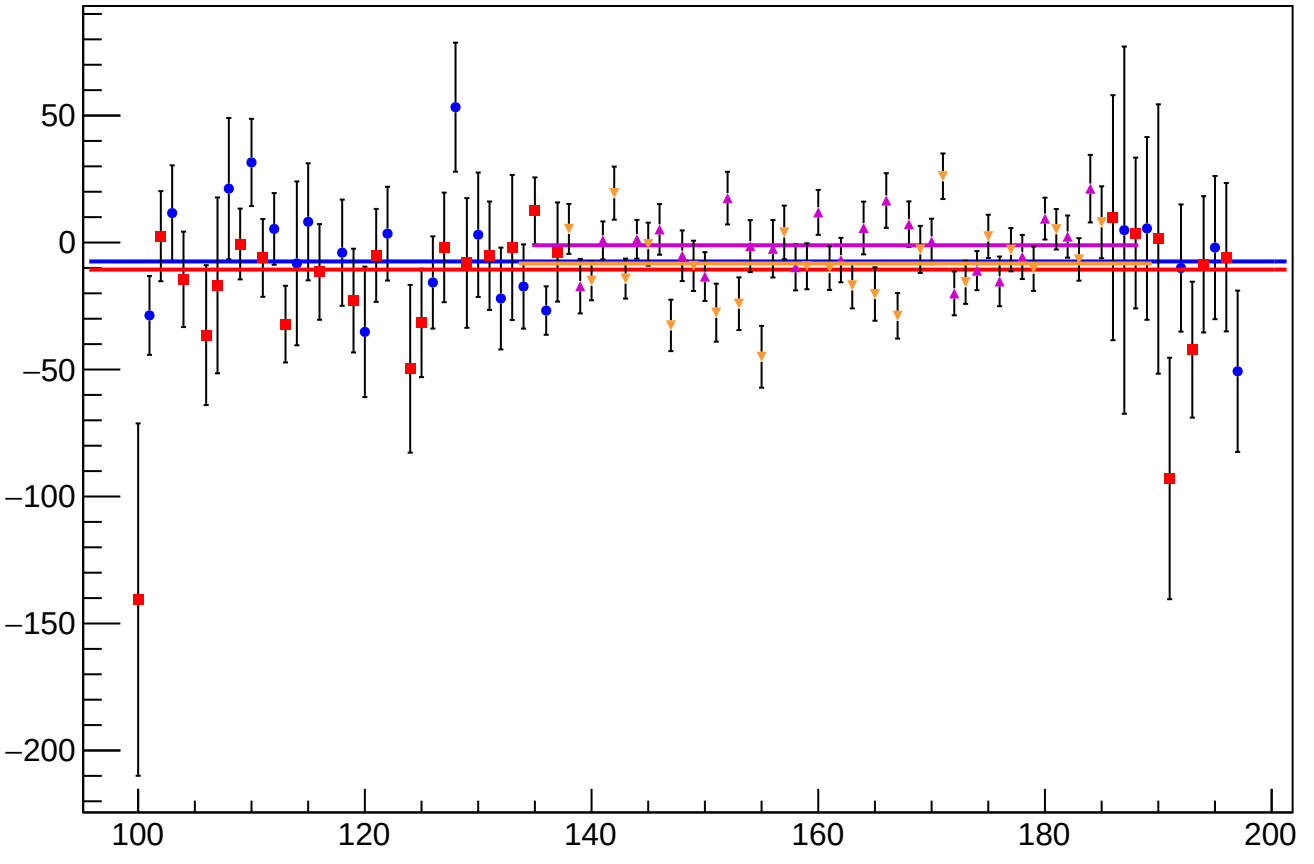
Right Out: 7.950+/-0.002 χ^2/NDF: 870936.4/25

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.864+/-0.001 χ^2/NDF: 2537354.5/45

All: 7.927+/-0.001 χ^2/NDF: 4872405.4/94

- sign 7.991+/-0.001 χ^2/NDF: 2327688.7/48



Right In: -7.449+/-4.286 χ^2/NDF: 25.1/20

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -10.656+/-4.251 χ^2/NDF: 18.9/25

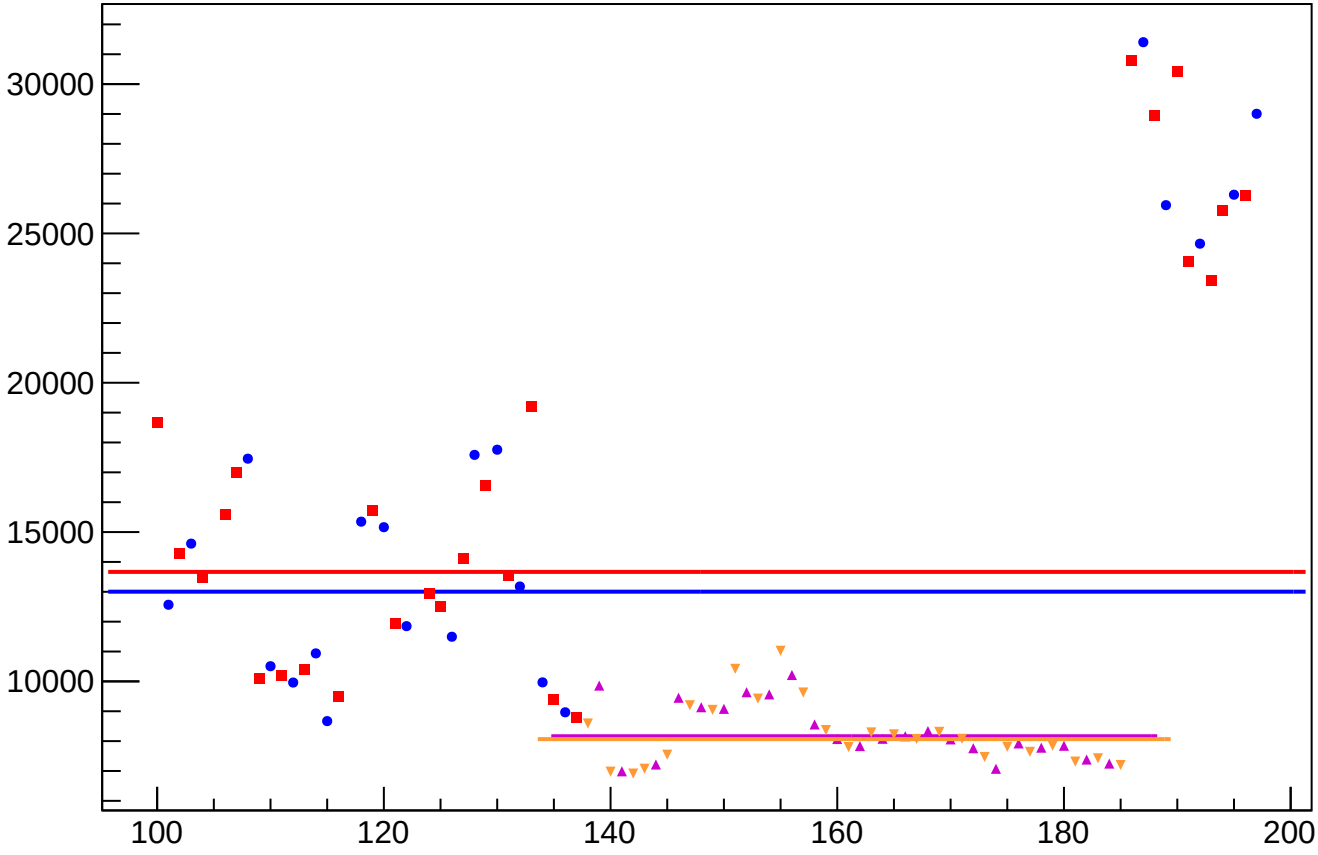
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.130+/-1.698 χ^2/NDF: 87.3/45

All: -5.496+/-1.219 χ^2/NDF: 144.2/94

- sign -2.697+/-1.750 χ^2/NDF: 52.0/48

diff_targ_positionX_rms vs Slug



Right In: 13003.775+/-3.030 χ^2/NDF: 2682460.0/20

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

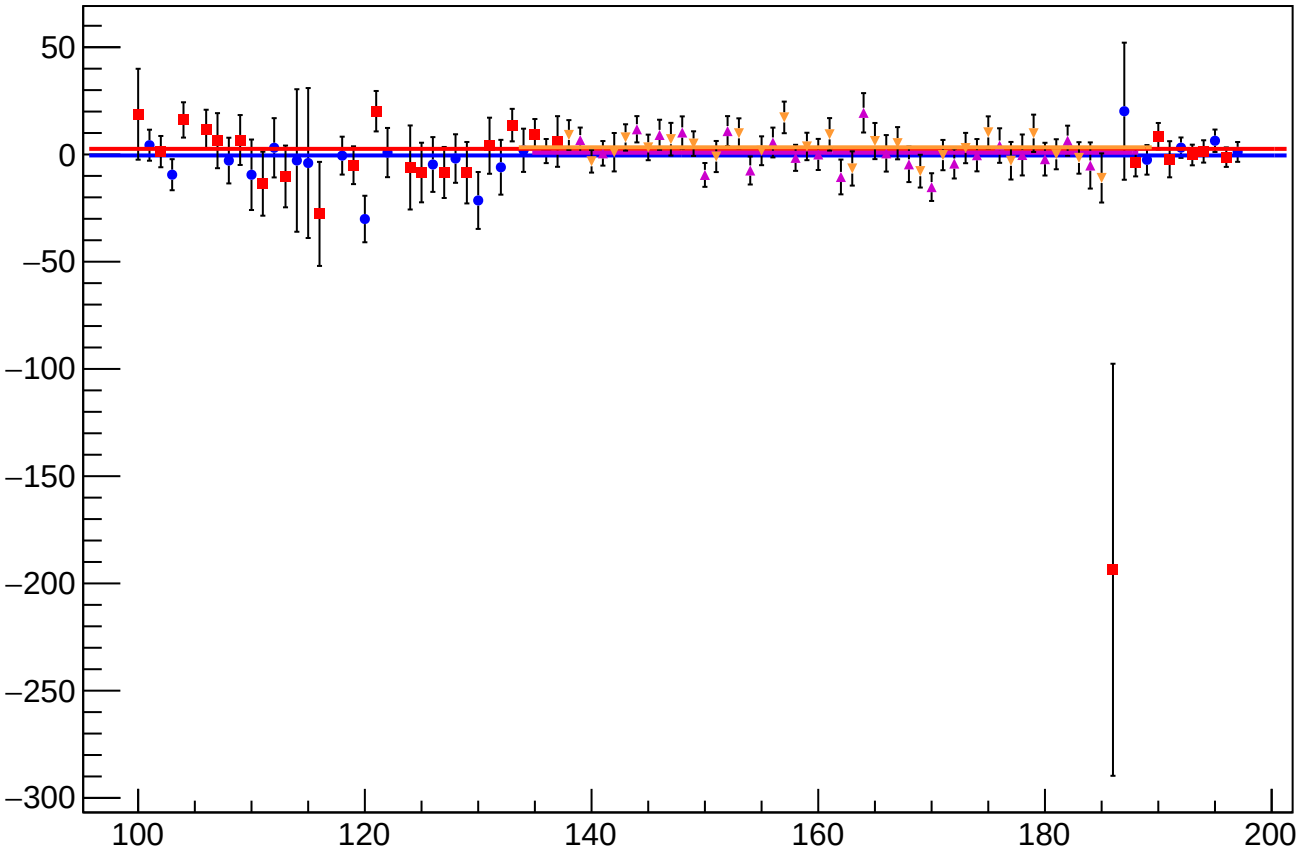
Right Out: 13666.461+/-3.006 χ^2/NDF: 3072169.2/25

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8841.799+/-1.201 χ^2/NDF: 5418179.0/45

All: 8965.206+/-0.862 χ^2/NDF: 11727240.0/9

- sign 9096.346+/-1.238 χ^2/NDF: 6287272.3/48



Right In: -0.460+/-1.815 χ^2/NDF: 15.8/20

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 2.608+/-1.667 χ^2/NDF: 25.3/25

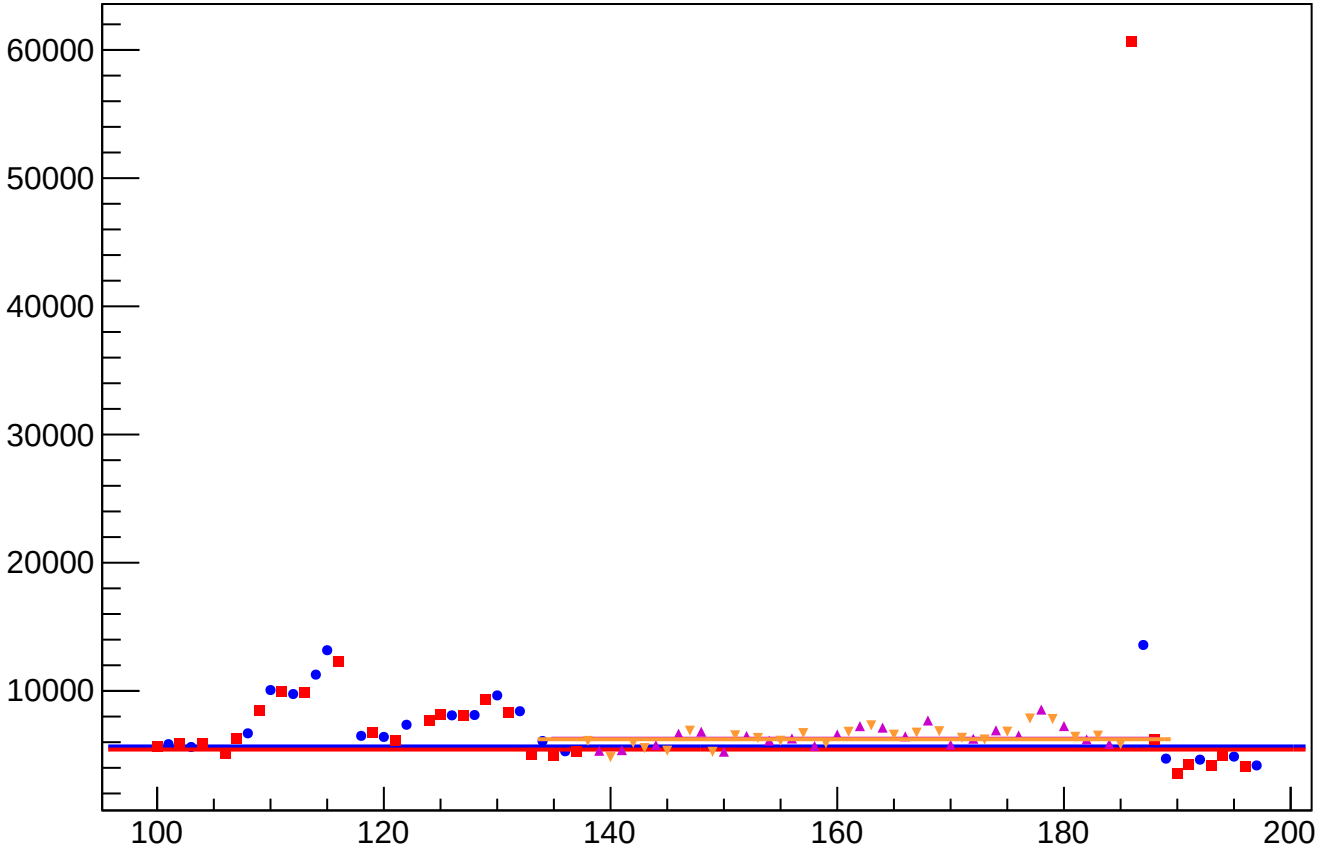
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 1.877+/-1.124 χ^2/NDF: 35.4/45

All: 1.734+/-0.788 χ^2/NDF: 90.8/94

- sign 1.594+/-1.106 χ^2/NDF: 55.4/48

diff_targ_positionY_rms vs Slug



Right In: 5668.000+/-1.283 χ^2/NDF: 1514880.6/20

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5425.913+/-1.179 χ^2/NDF: 2441066.6/25

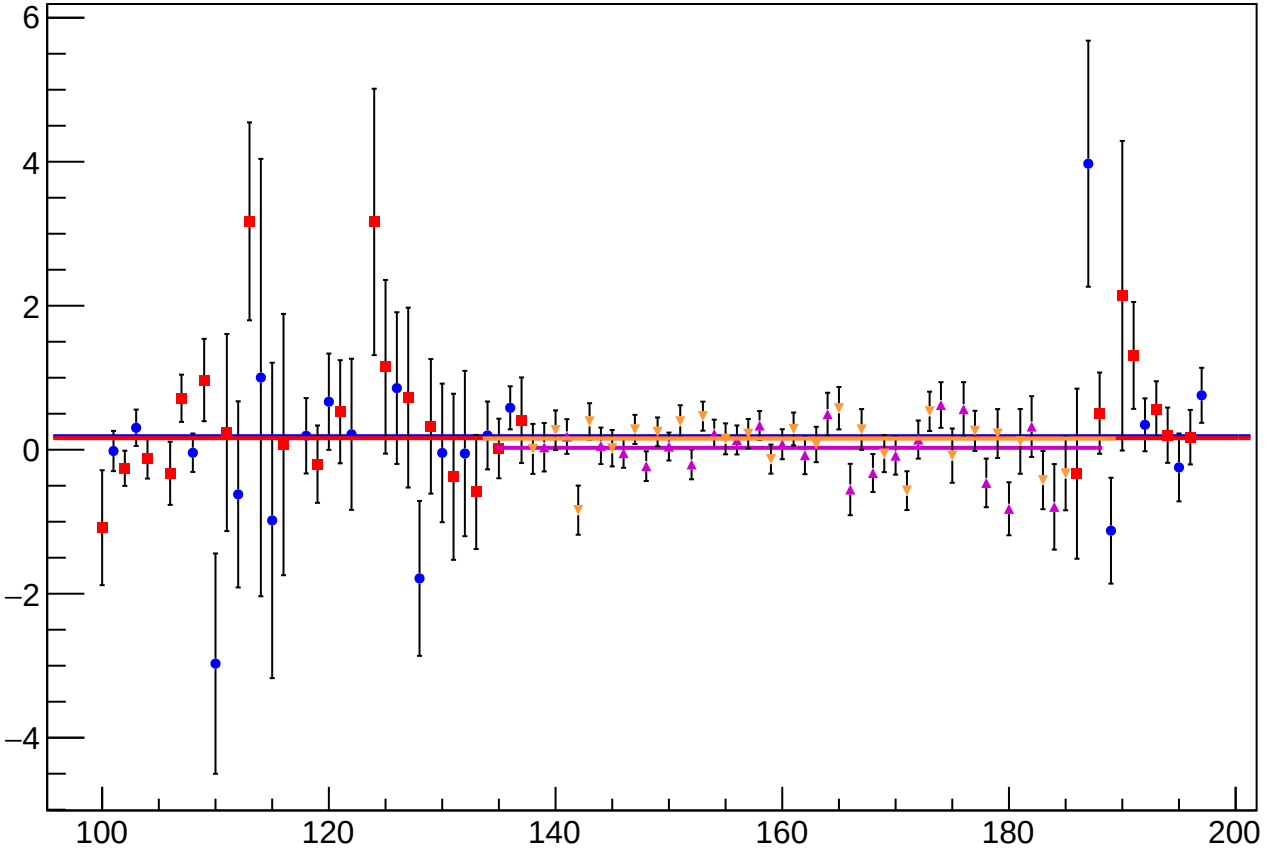
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 6015.219+/-0.794 χ^2/NDF: 2166137.1/45

All: 5956.135+/-0.557 χ^2/NDF: 5410326.4/94

- sign 5898.851+/-0.782 χ^2/NDF: 3233295.3/48

diff_targ_thetaX_mean vs Slug



Right In: 0.188+/-0.105 χ^2/NDF: 24.0/20

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.161+/-0.102 χ^2/NDF: 27.9/25

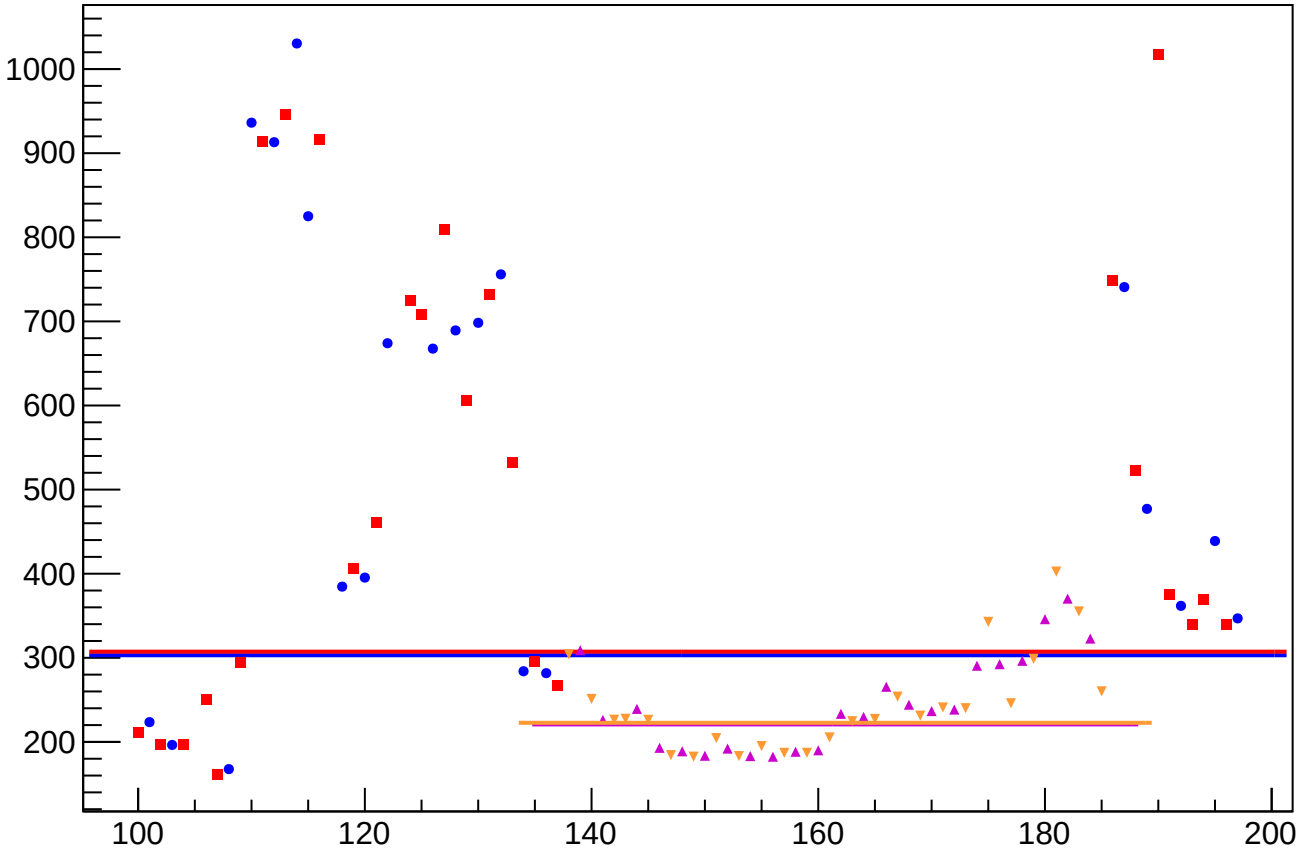
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.162+/-0.047 χ^2/NDF: 56.3/45

All: 0.109+/-0.033 χ^2/NDF: 118.0/94

- sign 0.055+/-0.047 χ^2/NDF: 59.1/48

diff_targ_thetaX_rms vs Slug



Right In: 303.027+/-0.074 χ^2/NDF: 4032100.0/20

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 307.320+/-0.072 χ^2/NDF: 4585603.9/25

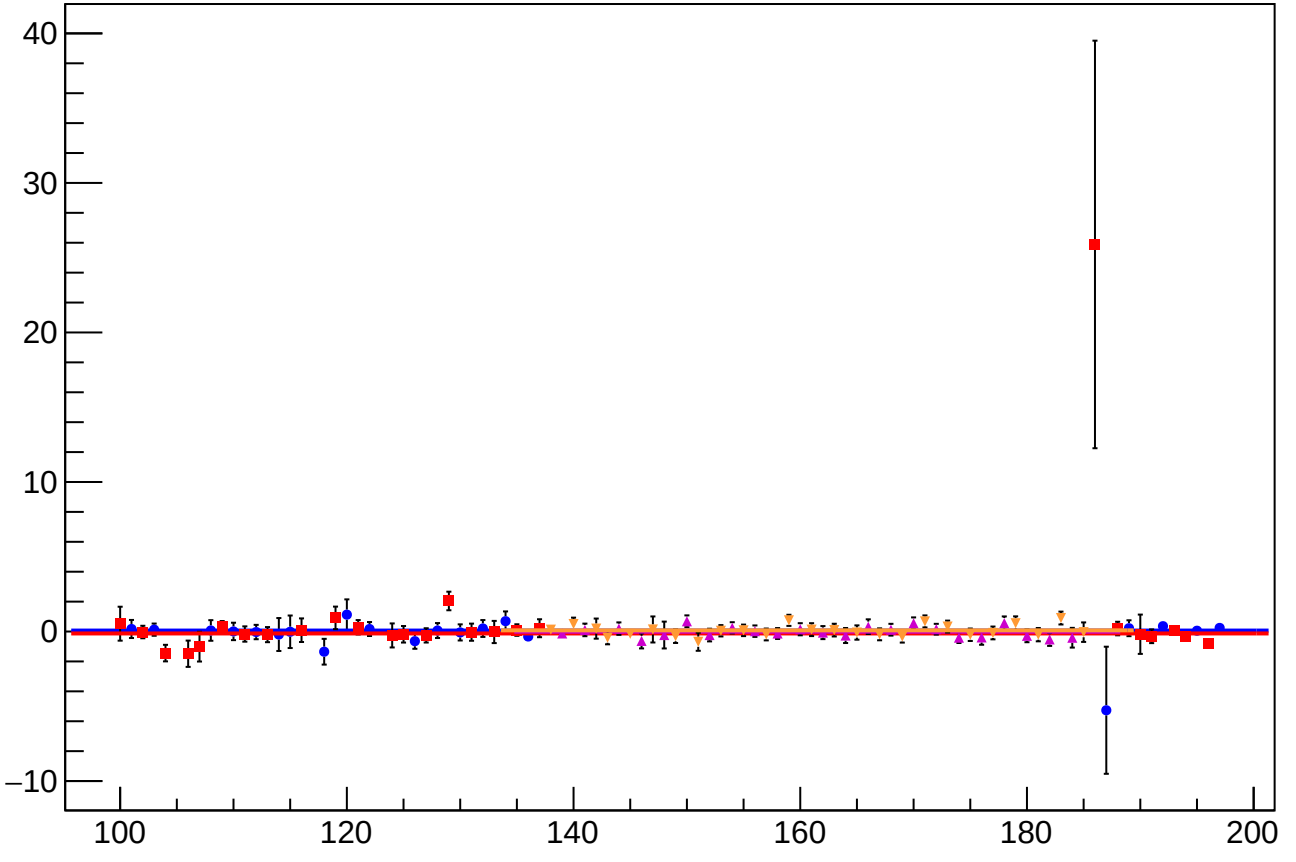
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

\+ sign 238.524+/-0.033 χ^2/NDF: 6424902.0/45

All: 238.844+/-0.023 χ^2/NDF: 13615079.1/94

\- sign 239.171+/-0.033 χ^2/NDF: 7189985.2/48

diff_targ_thetaY_mean vs Slug



Right In: 0.064+/-0.099 χ^2/NDF: 12.3/20

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.129+/-0.095 χ^2/NDF: 37.6/25

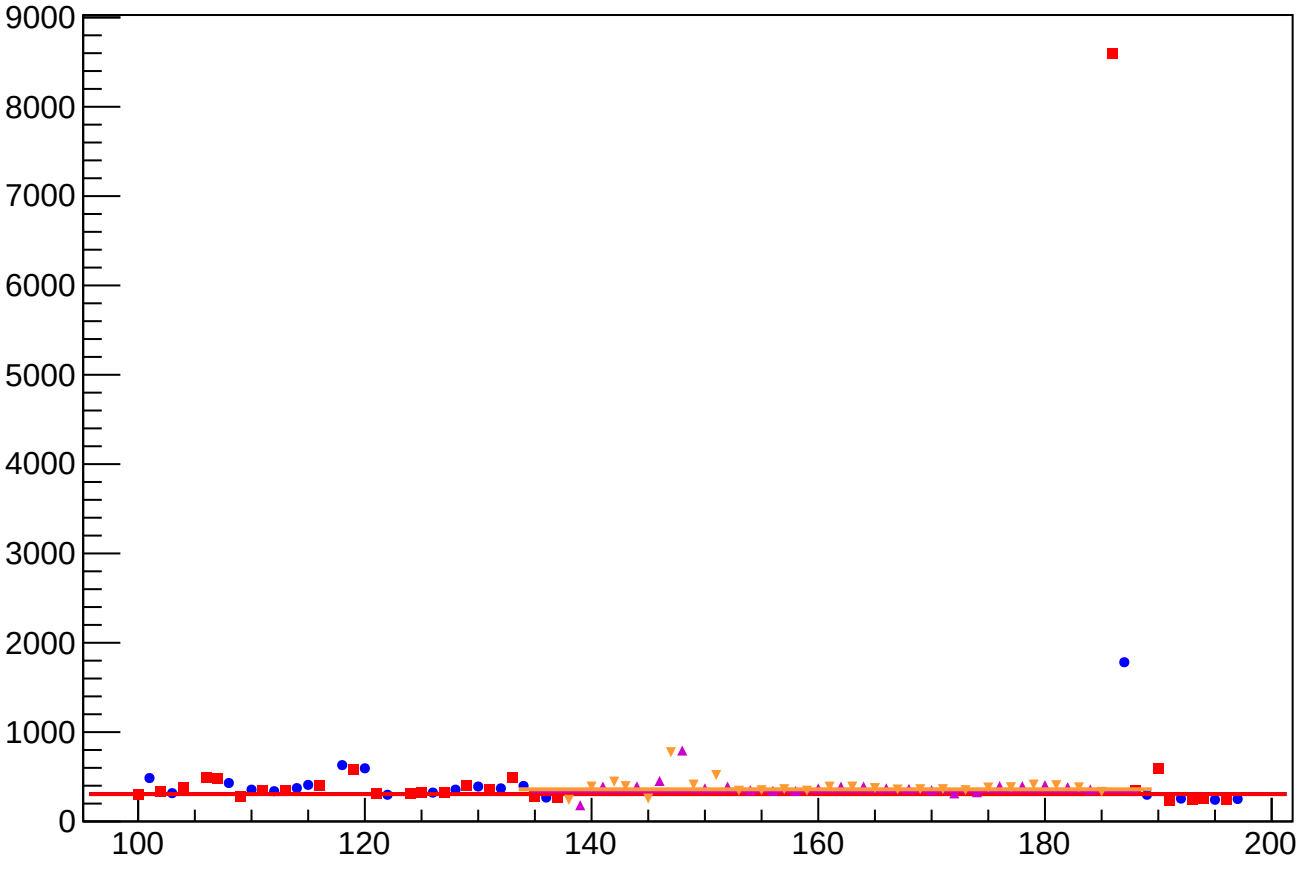
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.073+/-0.064 χ^2/NDF: 31.3/45

All: 0.004+/-0.045 χ^2/NDF: 87.2/94

- sign -0.060+/-0.062 χ^2/NDF: 53.8/48

diff_targ_thetaY_rms vs Slug



Right In: 307.138+/-0.070 χ^2/NDF: 1421632.3/20

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

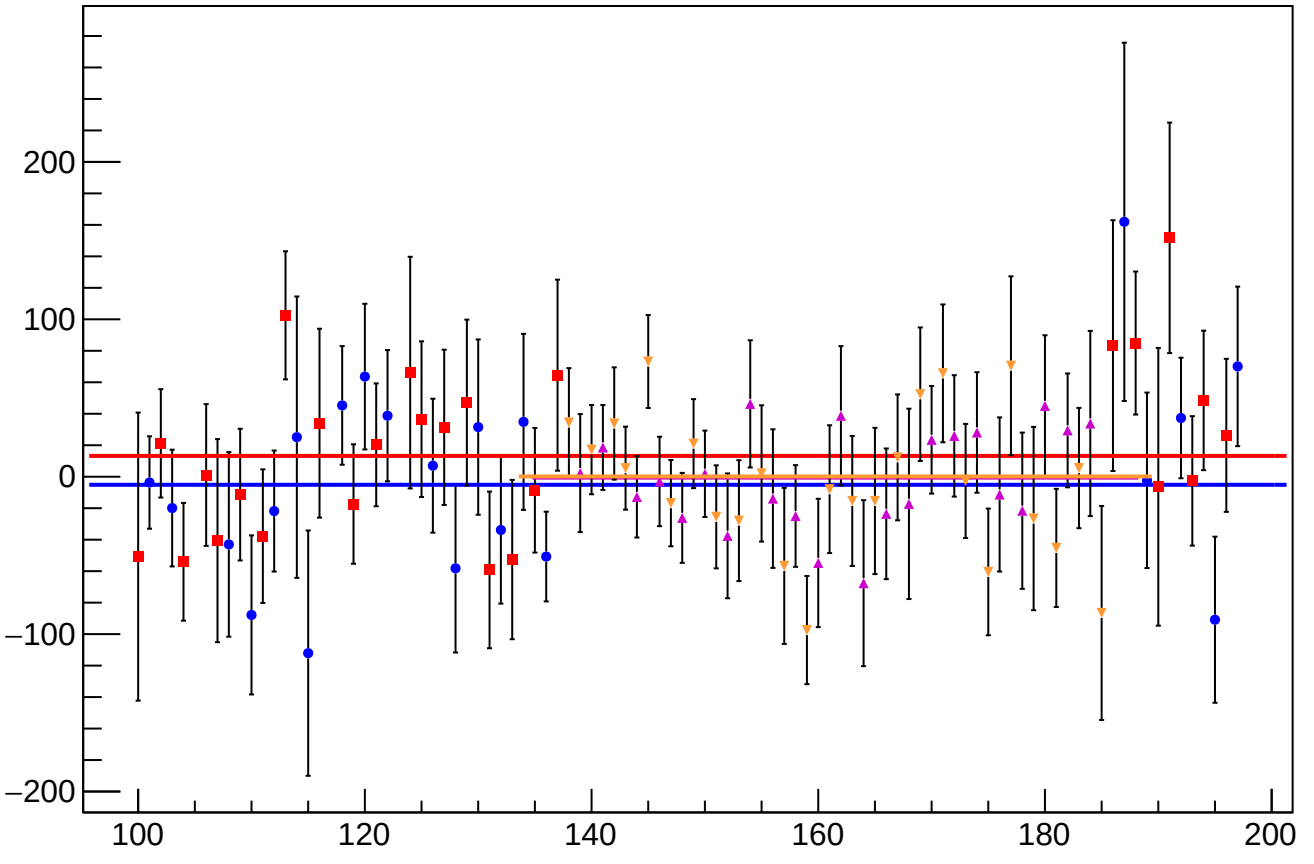
Right Out: 306.162+/-0.067 χ^2/NDF: 1898409.3/25

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 337.823+/-0.045 χ^2/NDF: 3091687.6/45

All: 331.459+/-0.032 χ^2/NDF: 7397430.7/94

- sign 325.434+/-0.044 χ^2/NDF: 4267508.0/48



Right In: -5.125+/-9.831 χ^2/NDF: 23.7/20

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

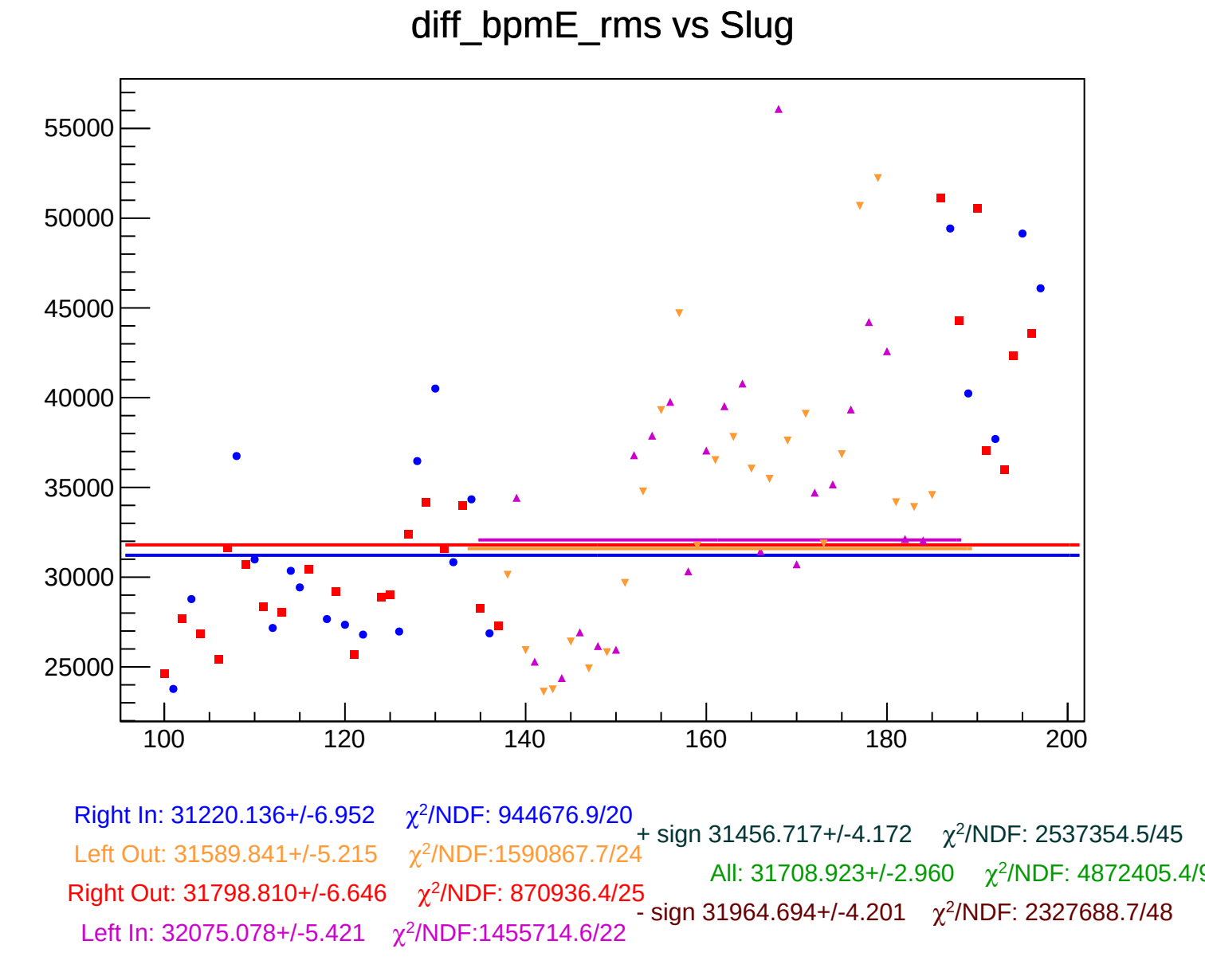
Right Out: 13.225+/-9.399 χ^2/NDF: 25.8/25

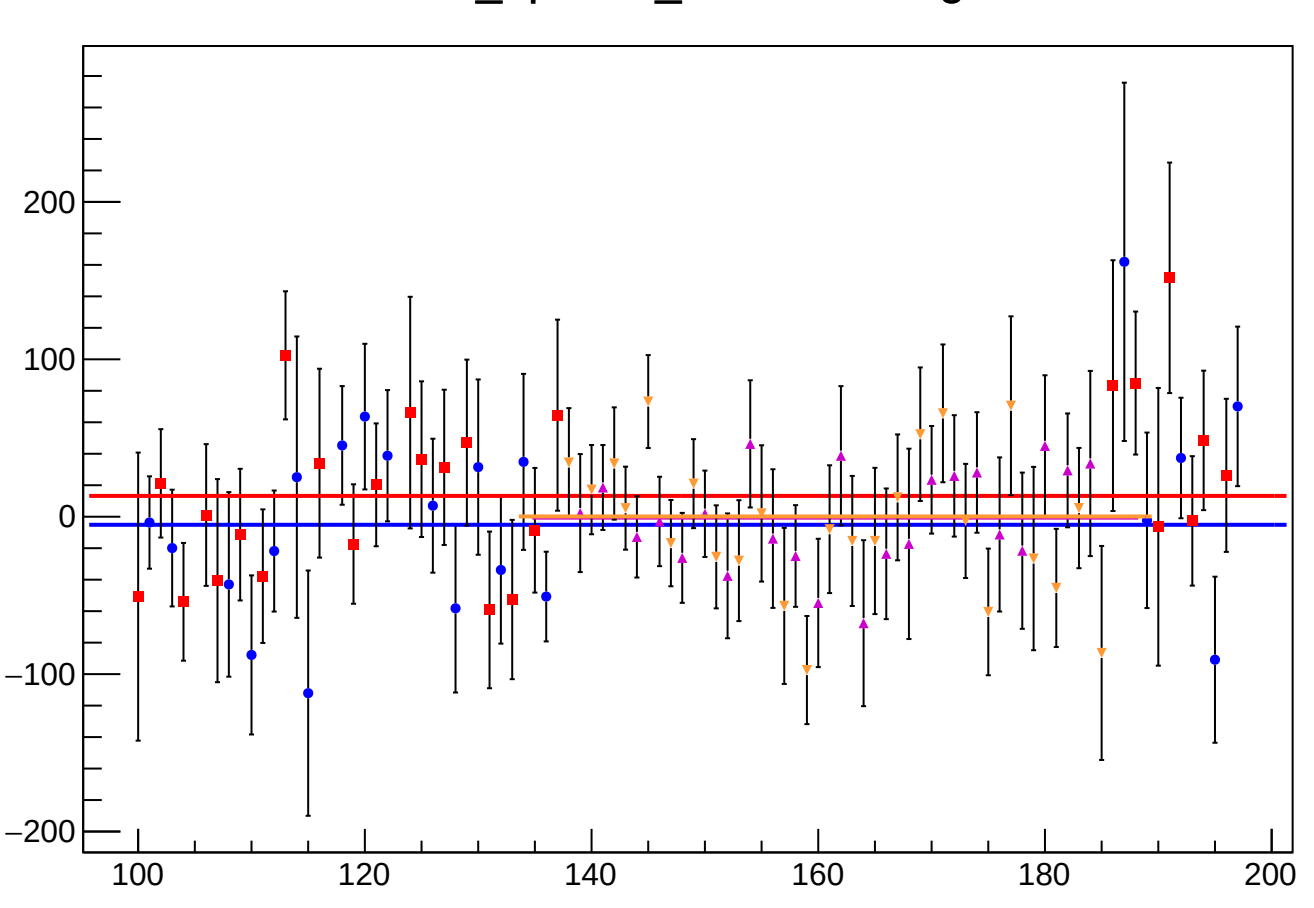
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -1.738+/-5.899 χ^2/NDF: 55.0/45

All: 1.574+/-4.186 χ^2/NDF: 95.6/94

- sign 4.932+/-5.941 χ^2/NDF: 39.9/48


diff_bpmE_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 31220.136+/-6.952 χ²/NDF: 944676.9/20
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 31798.810+/-6.646 χ²/NDF: 870936.4/25
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31456.717+/-4.172 χ²/NDF: 2537354.5/45
All: 31708.923+/-2.960 χ²/NDF: 4872405.4/9
- sign 31964.694+/-4.201 χ²/NDF: 2327688.7/48



Right In: -5.125+/-9.831 χ^2/NDF: 23.7/20

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

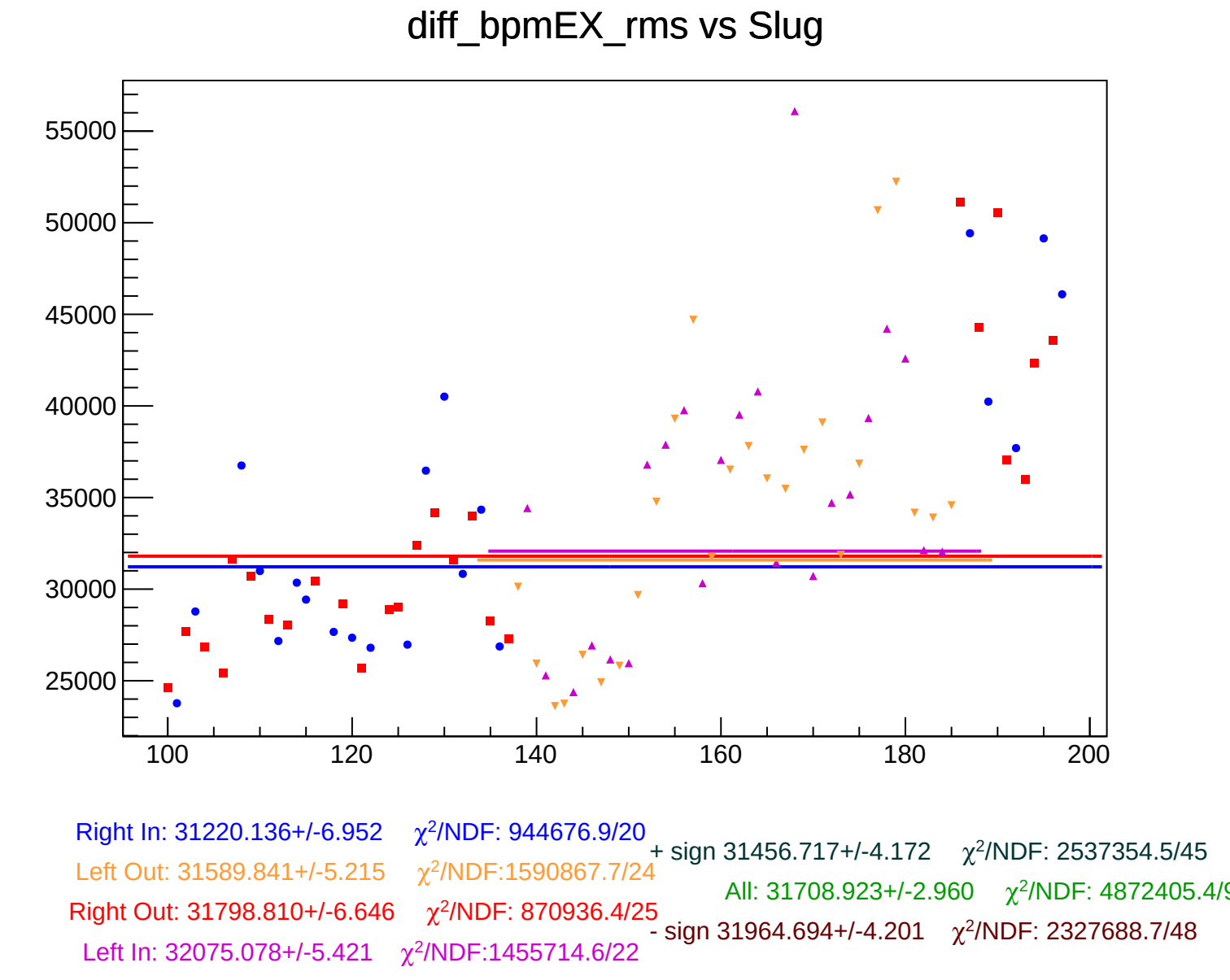
Right Out: 13.225+/-9.399 χ^2/NDF: 25.8/25

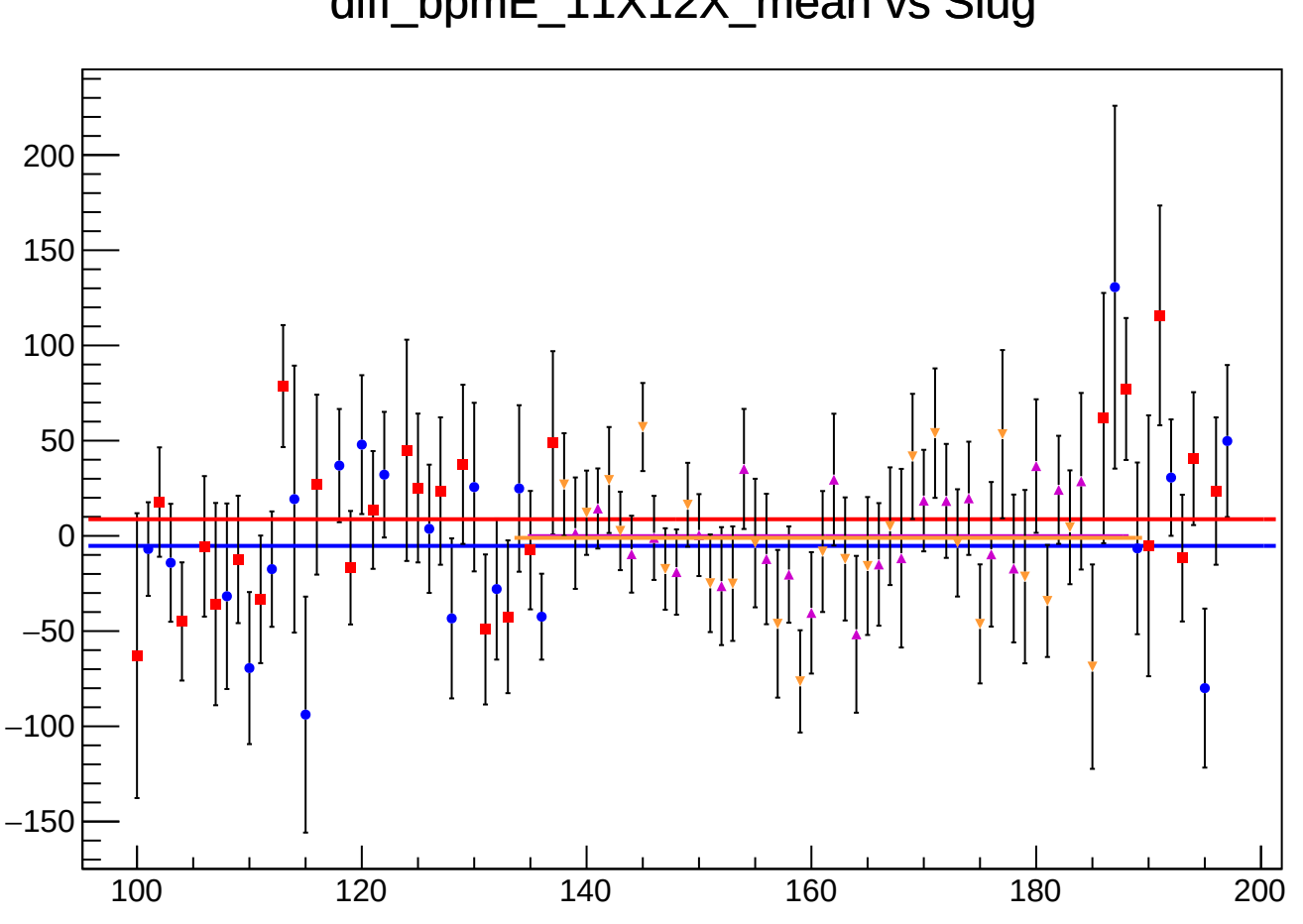
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -1.738+/-5.899 χ^2/NDF: 55.0/45

All: 1.574+/-4.186 χ^2/NDF: 95.6/94

- sign 4.932+/-5.941 χ^2/NDF: 39.9/48


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 31220.136+/-6.952 χ²/NDF: 944676.9/20
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 31798.810+/-6.646 χ²/NDF: 870936.4/25
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31456.717+/-4.172 χ²/NDF: 2537354.5/45
All: 31708.923+/-2.960 χ²/NDF: 4872405.4/9
- sign 31964.694+/-4.201 χ²/NDF: 2327688.7/48



Right In: -5.255+/-7.869 χ^2/NDF: 24.2/20

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: 8.741+/-7.521 χ^2/NDF: 27.3/25

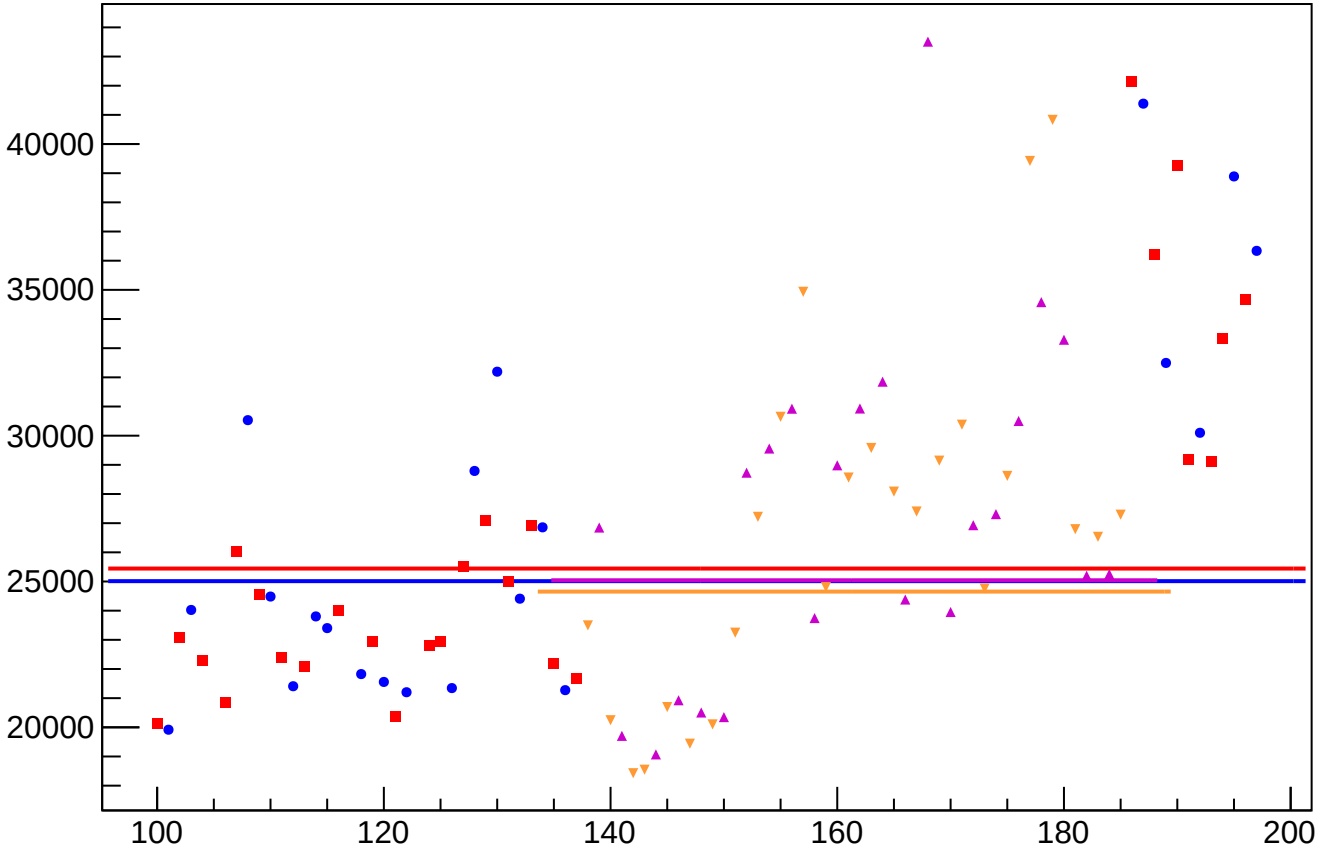
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -2.510+/-4.645 χ^2/NDF: 56.7/45

All: 0.371+/-3.298 χ^2/NDF: 97.7/94

- sign 3.299+/-4.683 χ^2/NDF: 40.3/48

diff_bpmE_11X12X_rms vs Slug



Right In: 25012.157+/-5.564 χ^2/NDF: 914813.2/20

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

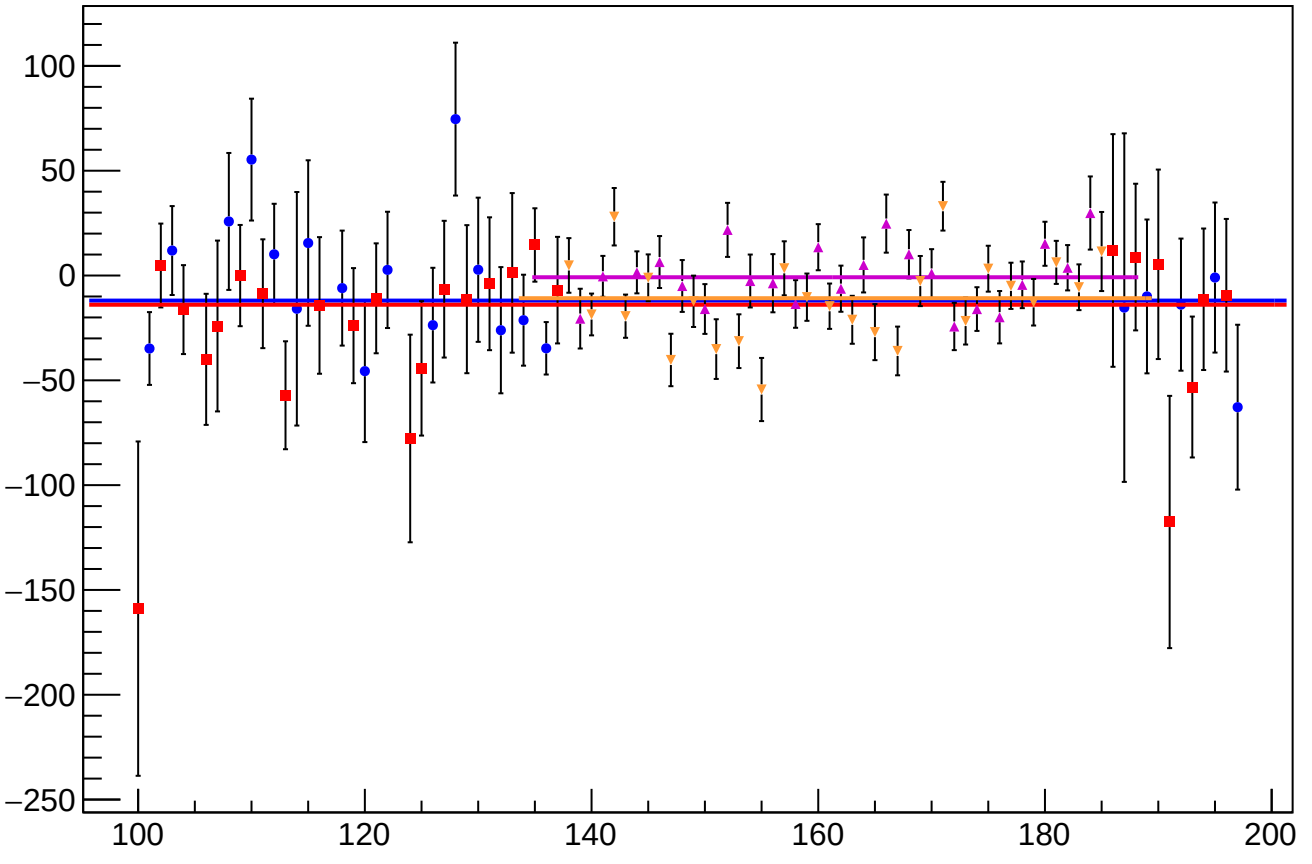
Right Out: 25444.180+/-5.318 χ^2/NDF: 864481.7/25

Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 24778.809+/-3.284 χ^2/NDF: 2500223.1/45

All: 24986.661+/-2.332 χ^2/NDF: 4817923.9/9

- sign 25197.929+/-3.311 χ^2/NDF: 2309625.3/48



Right In: -11.959+/-5.801 χ^2/NDF: 23.8/20

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -13.936+/-5.874 χ^2/NDF: 19.1/25

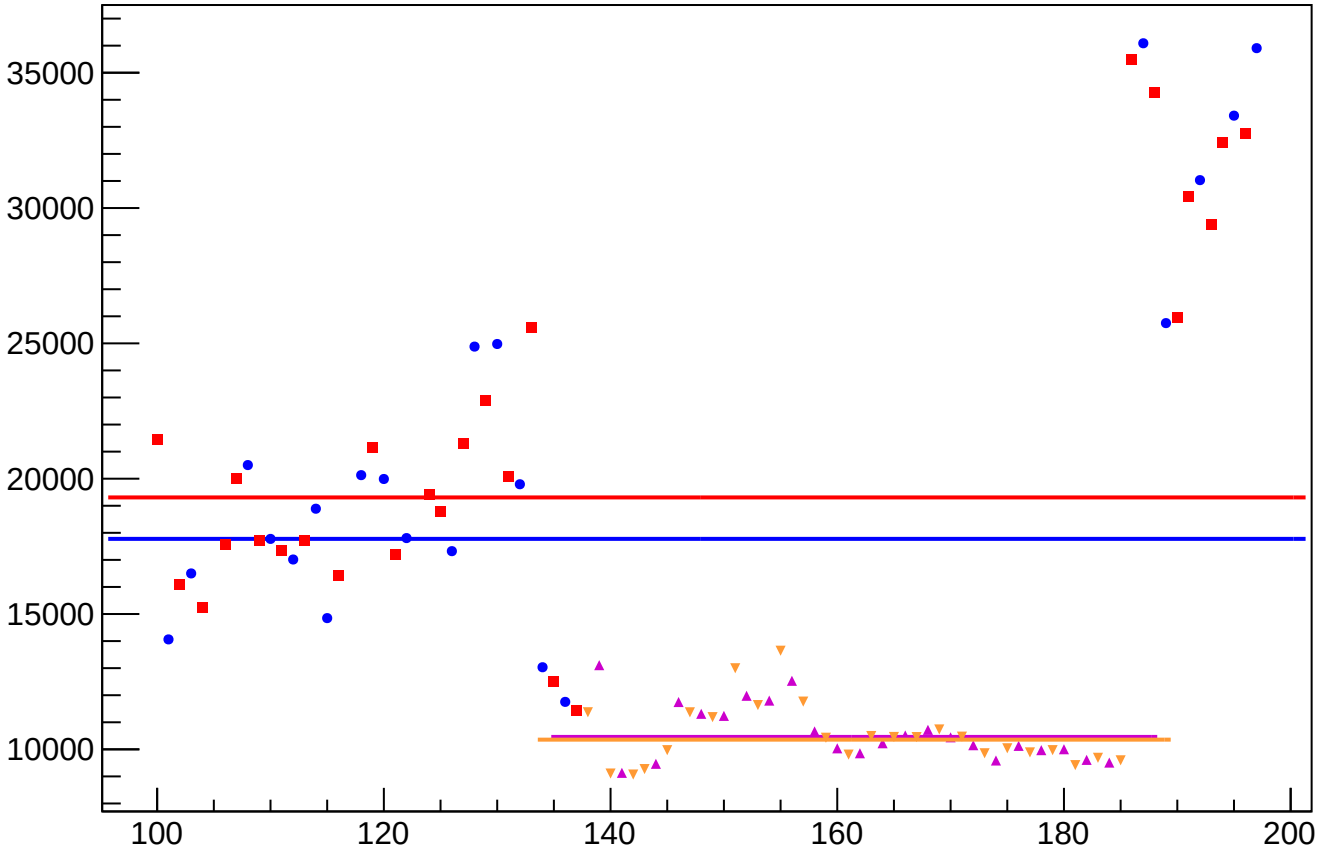
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.985+/-2.194 χ^2/NDF: 85.1/45

All: -7.015+/-1.577 χ^2/NDF: 144.6/94

- sign -2.778+/-2.267 χ^2/NDF: 52.7/48

diff_bpm4aesumX_rms vs Slug



Right In: 17776.673+/-4.102 χ^2/NDF: 2233849.5/20

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 19307.924+/-4.154 χ^2/NDF: 2178504.7/25

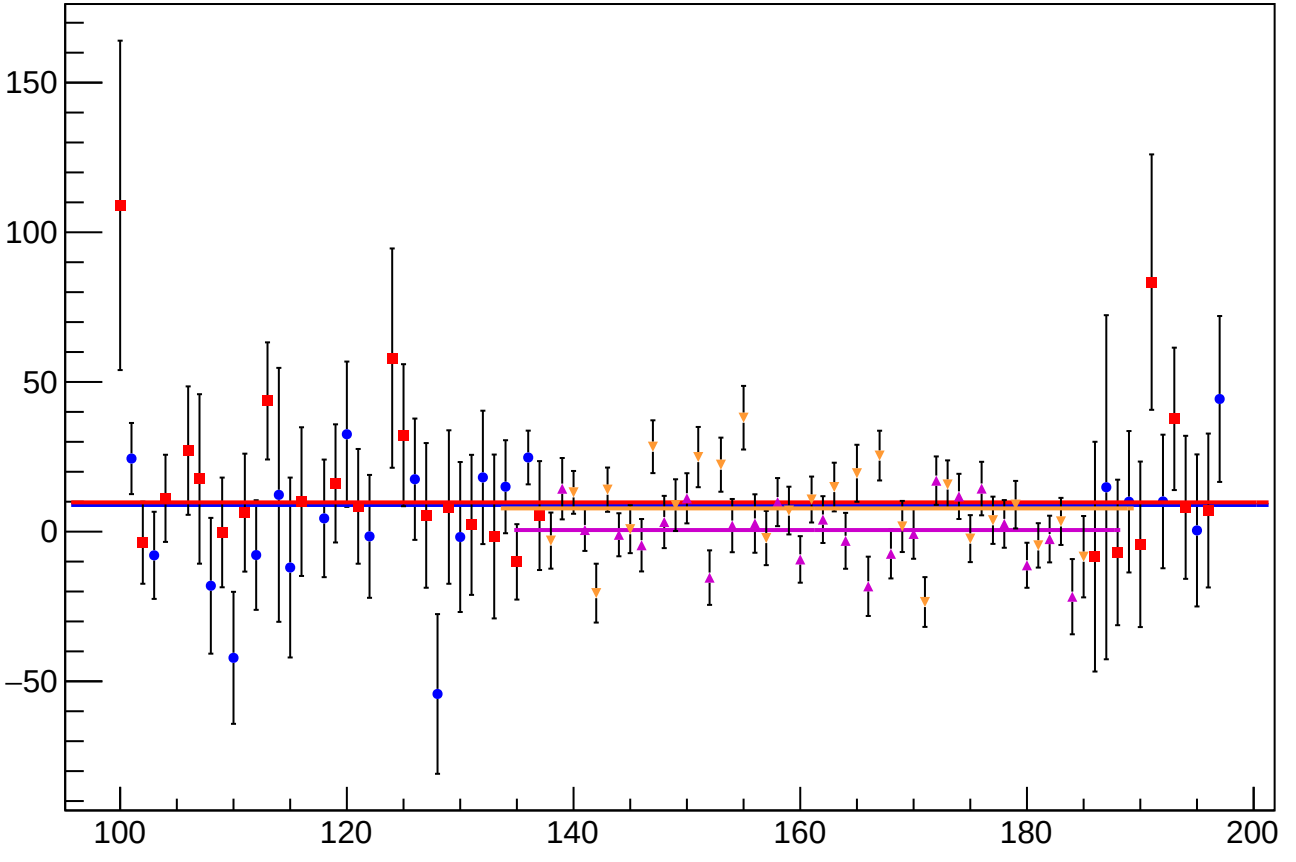
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11419.794+/-1.552 χ^2/NDF: 5399795.0/45

All: 11592.390+/-1.115 χ^2/NDF: 11780891.4

- sign 11776.583+/-1.603 χ^2/NDF: 6355515.9/48

diff_bpm4aediffX_mean vs Slug



Right In: 8.913+/-4.150 χ^2/NDF: 23.6/20

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 9.774+/-4.212 χ^2/NDF: 19.2/25

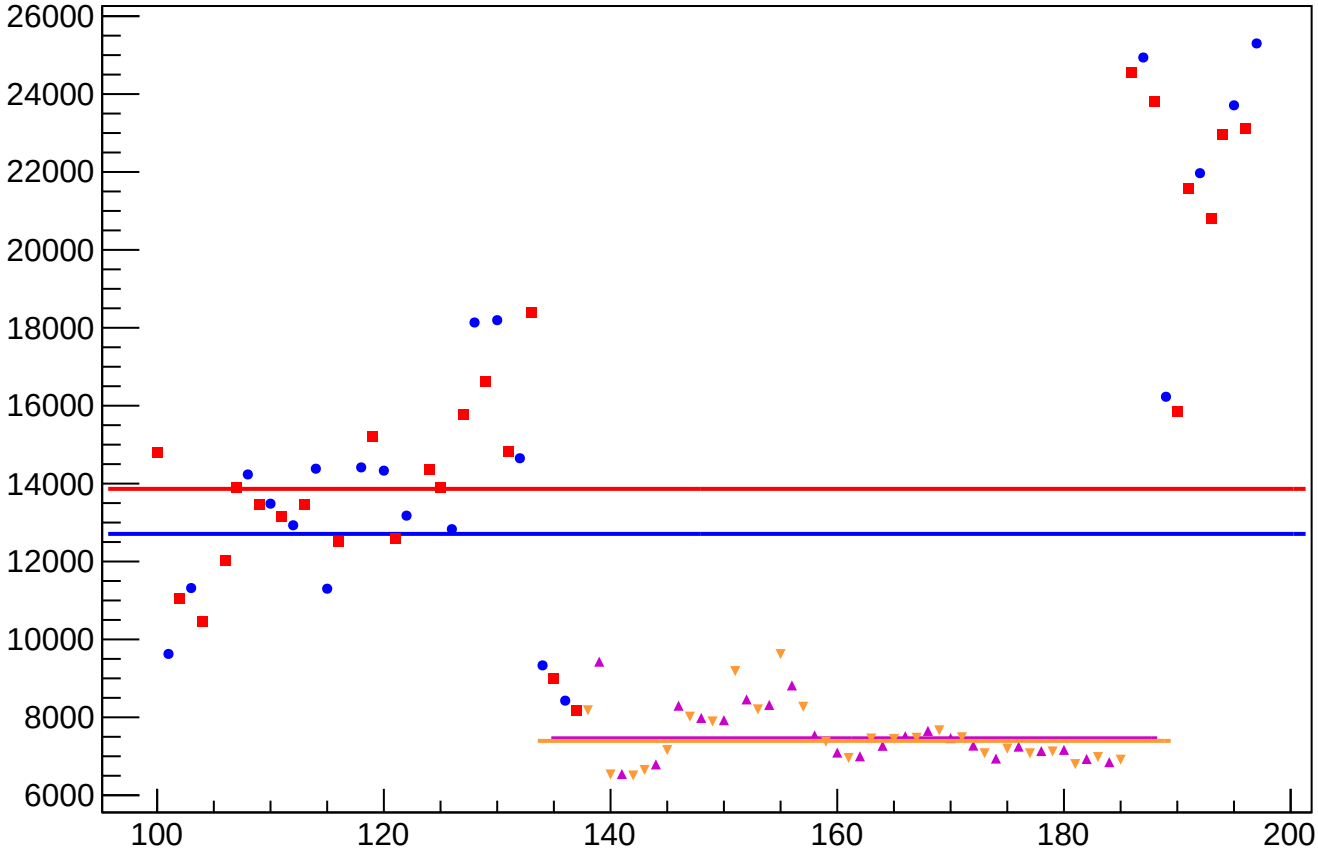
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.927+/-1.566 χ^2/NDF: 84.6/45

All: 5.008+/-1.125 χ^2/NDF: 144.5/94

- sign 1.895+/-1.618 χ^2/NDF: 52.8/48

diff_bpm4aediffX_rms vs Slug



Right In: 12709.084+/-2.934 χ^2/NDF: 2208405.5/20

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

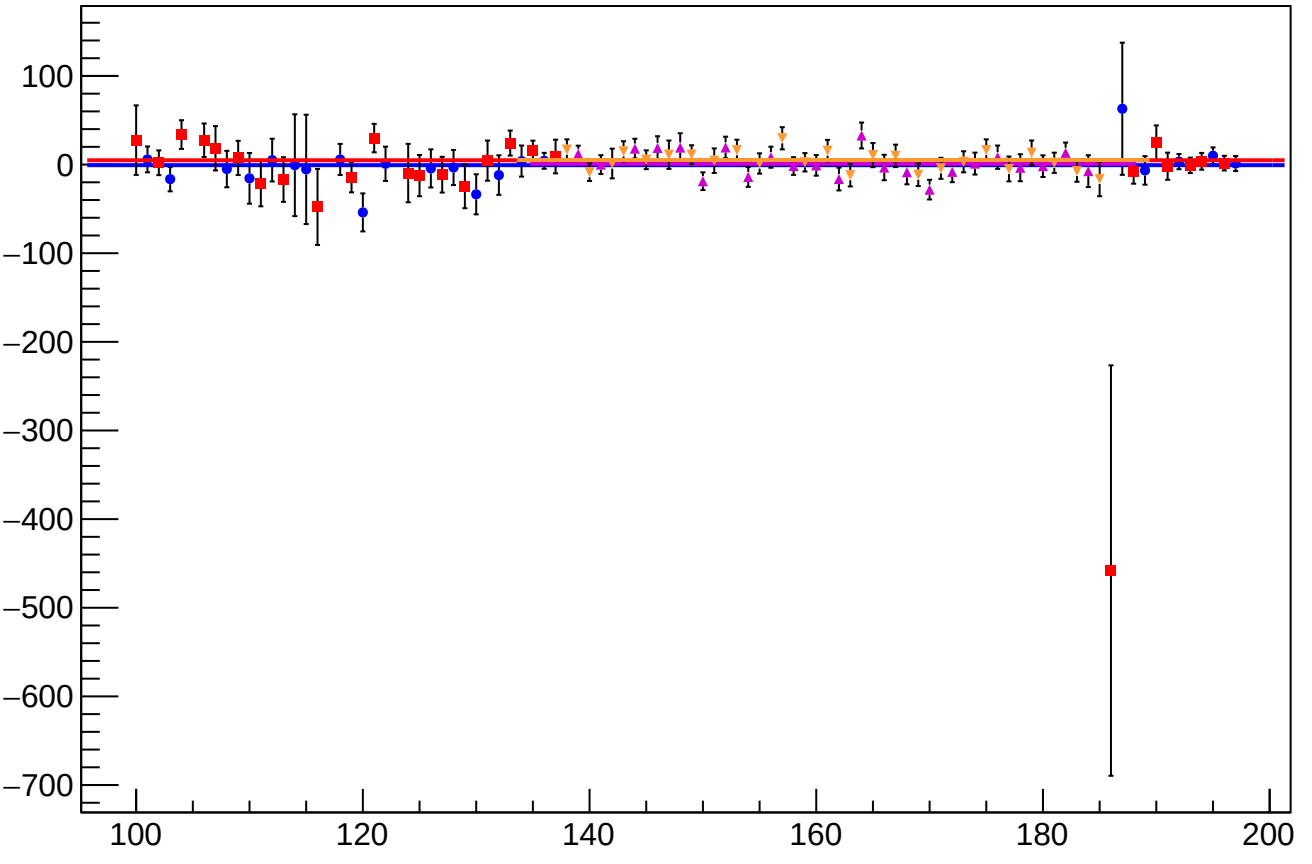
Right Out: 13865.010+/-2.978 χ^2/NDF: 2110816.2/25

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8152.757+/-1.108 χ^2/NDF: 5344927.8/45

All: 8275.062+/-0.796 χ^2/NDF: 11707104.1/9

- sign 8405.503+/-1.144 χ^2/NDF: 6336976.8/48



Right In: -0.672+/-3.315 χ^2/NDF: 13.4/20

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 4.848+/-3.114 χ^2/NDF: 24.6/25

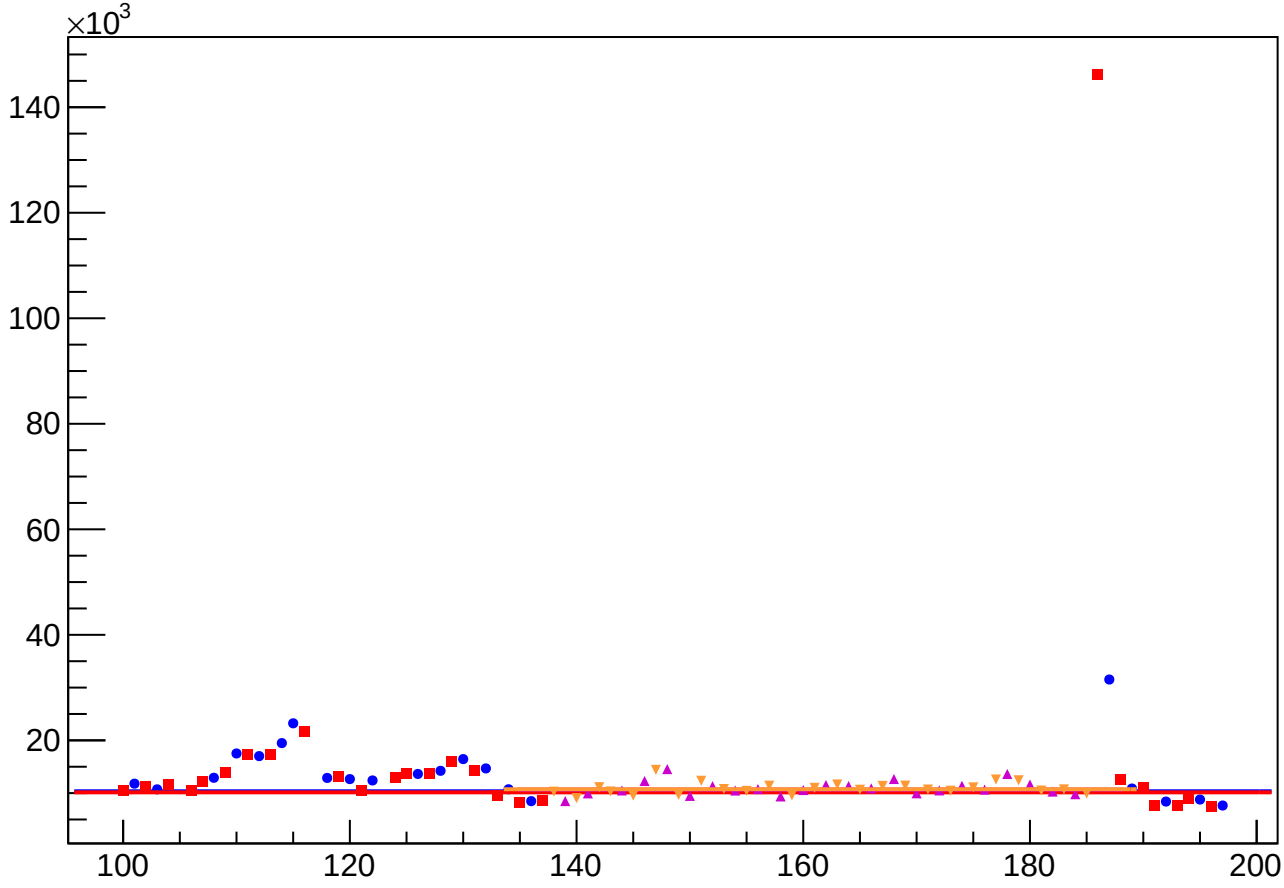
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.102+/-1.975 χ^2/NDF: 33.8/45

All: 2.776+/-1.391 χ^2/NDF: 91.2/94

- sign 2.456+/-1.958 χ^2/NDF: 57.4/48

diff_bpm4aesumY_rms vs Slug



Right In: 10345.461+/-2.344 χ^2/NDF: 1511969.1/20

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10146.386+/-2.202 χ^2/NDF: 2242280.8/25

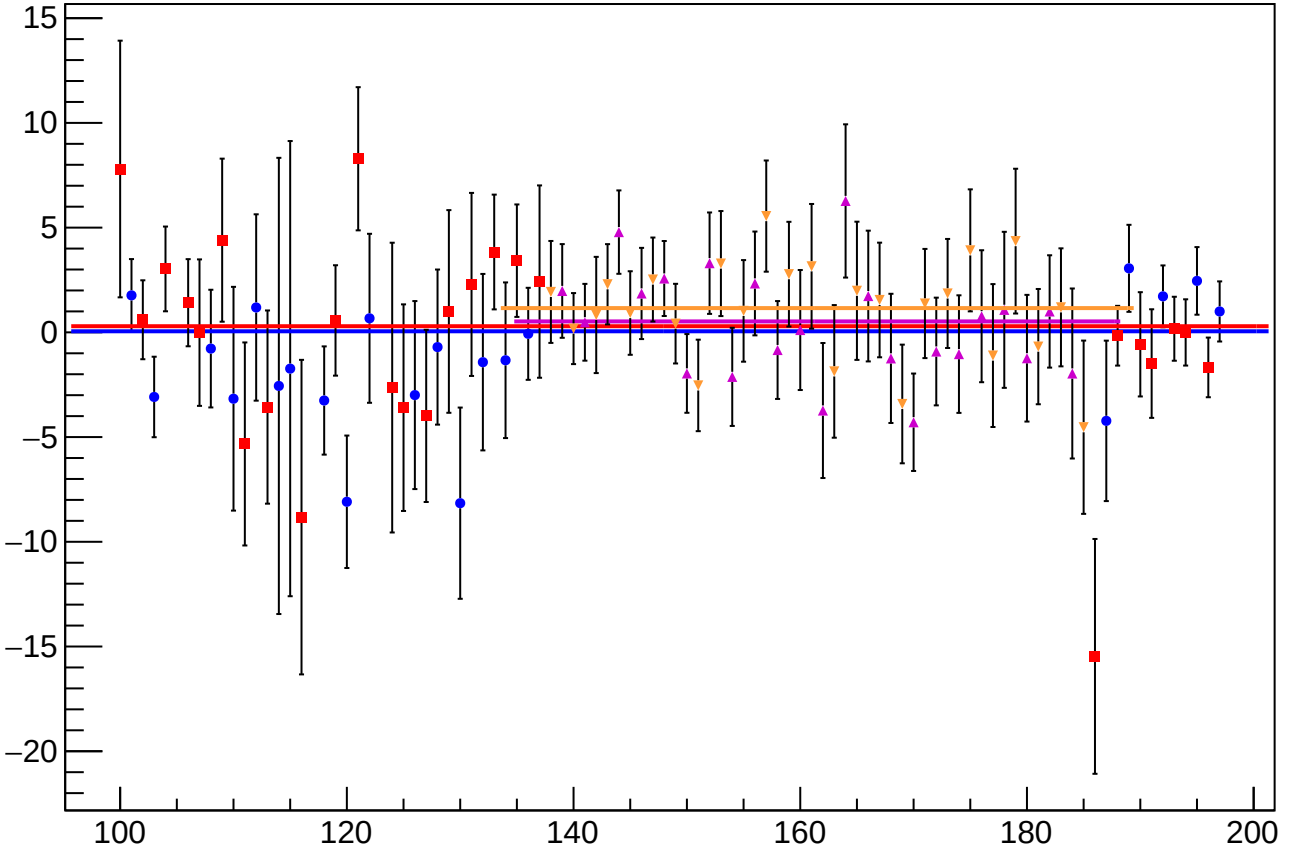
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10595.951+/-1.397 χ^2/NDF: 1897945.8/45

All: 10531.069+/-0.983 χ^2/NDF: 4680206.2/9

- sign 10467.278+/-1.385 χ^2/NDF: 2777979.6/48

diff_bpm4aediffY_mean vs Slug



Right In: 0.051+/-0.552 χ^2/NDF: 23.8/20

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.293+/-0.503 χ^2/NDF: 29.7/25

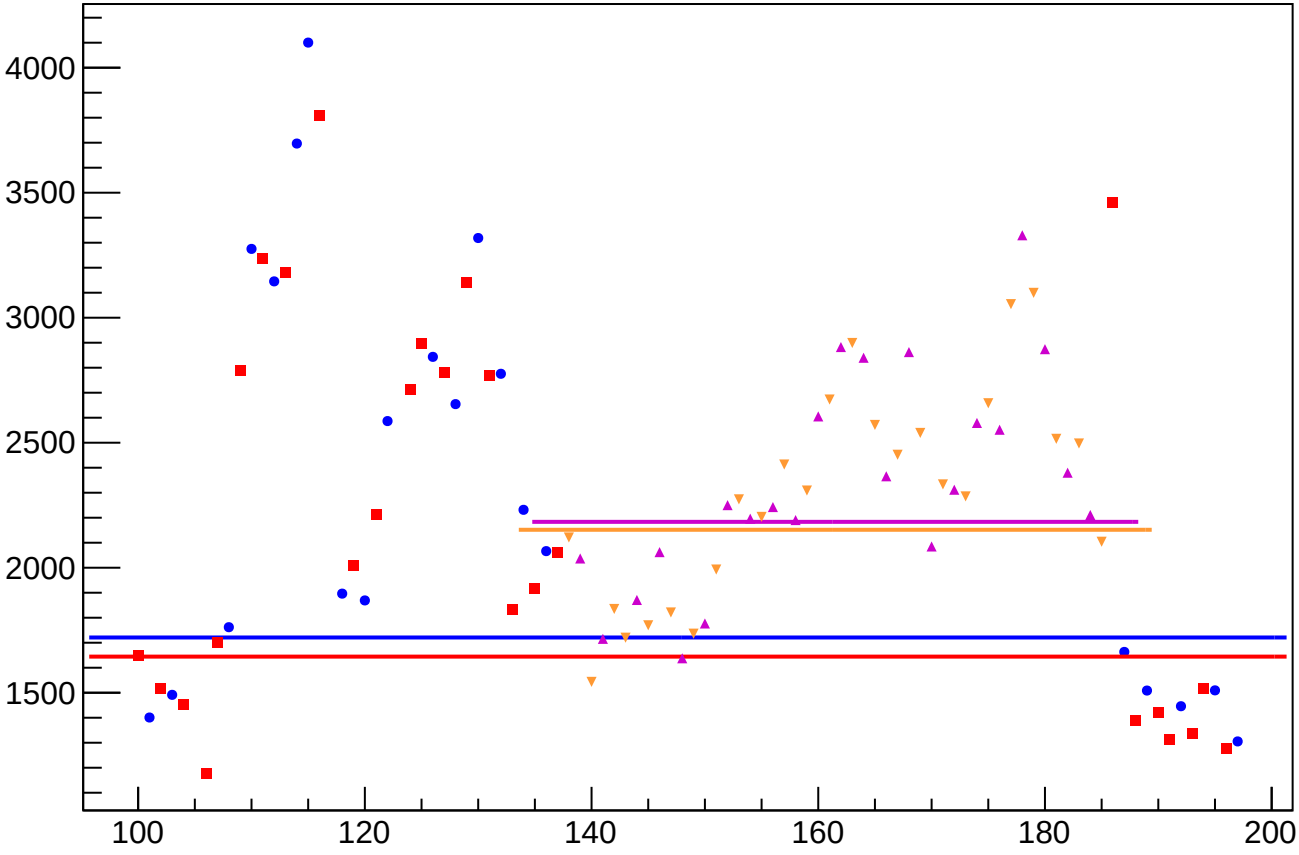
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.659+/-0.371 χ^2/NDF: 42.8/45

All: 0.528+/-0.259 χ^2/NDF: 95.2/94

- sign 0.403+/-0.361 χ^2/NDF: 52.1/48

diff_bpm4aediffY_rms vs Slug



Right In: 1720.960+/-0.390 χ^2/NDF: 1741642.6/20

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1644.451+/-0.355 χ^2/NDF: 2247725.8/25

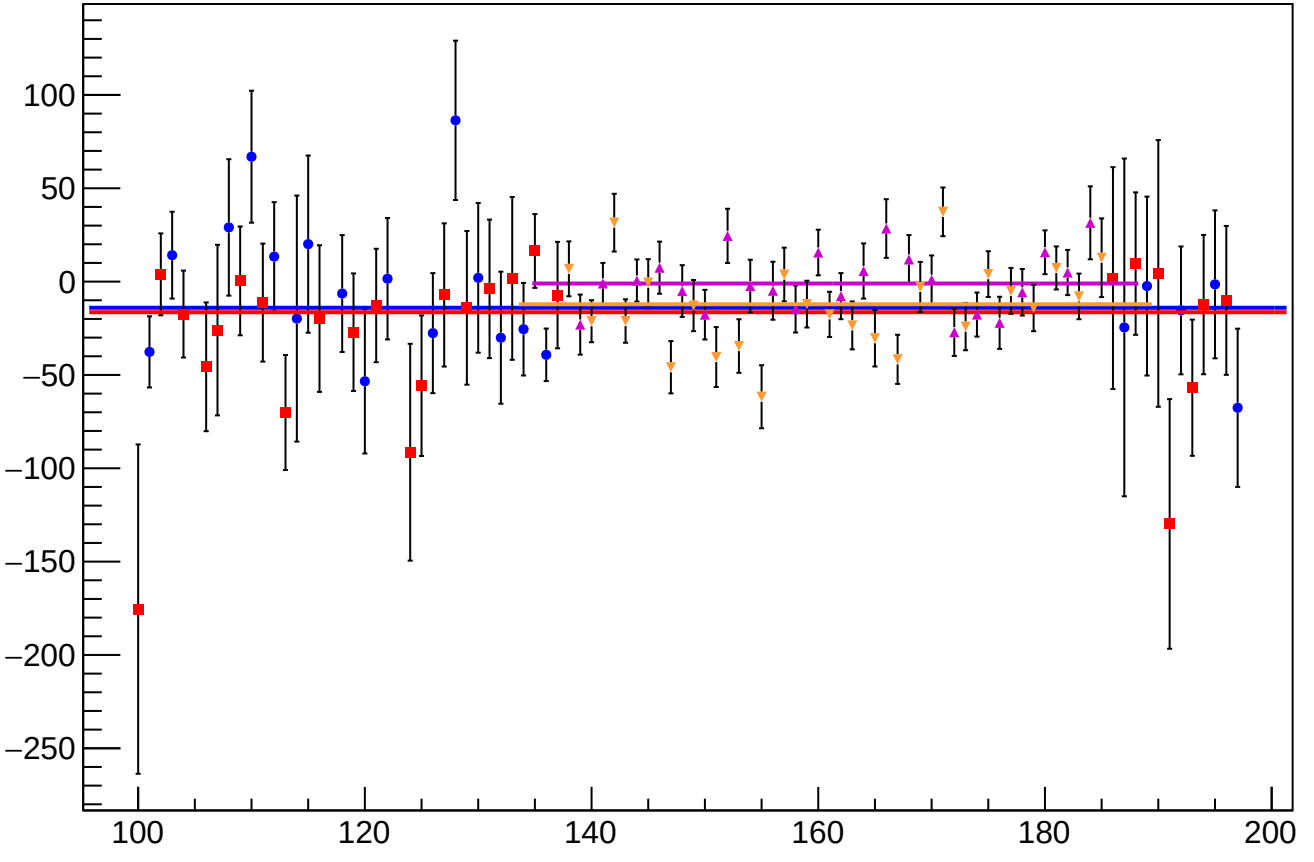
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1957.620+/-0.262 χ^2/NDF: 3759886.8/45

All: 1930.569+/-0.183 χ^2/NDF: 8302050.5/94

- sign 1904.865+/-0.256 χ^2/NDF: 4521392.5/48

diff_bpmtargetsumX_mean vs Slug



Right In: -14.016+/-6.614 χ^2/NDF: 23.6/20

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: -16.412+/-6.720 χ^2/NDF: 19.2/25

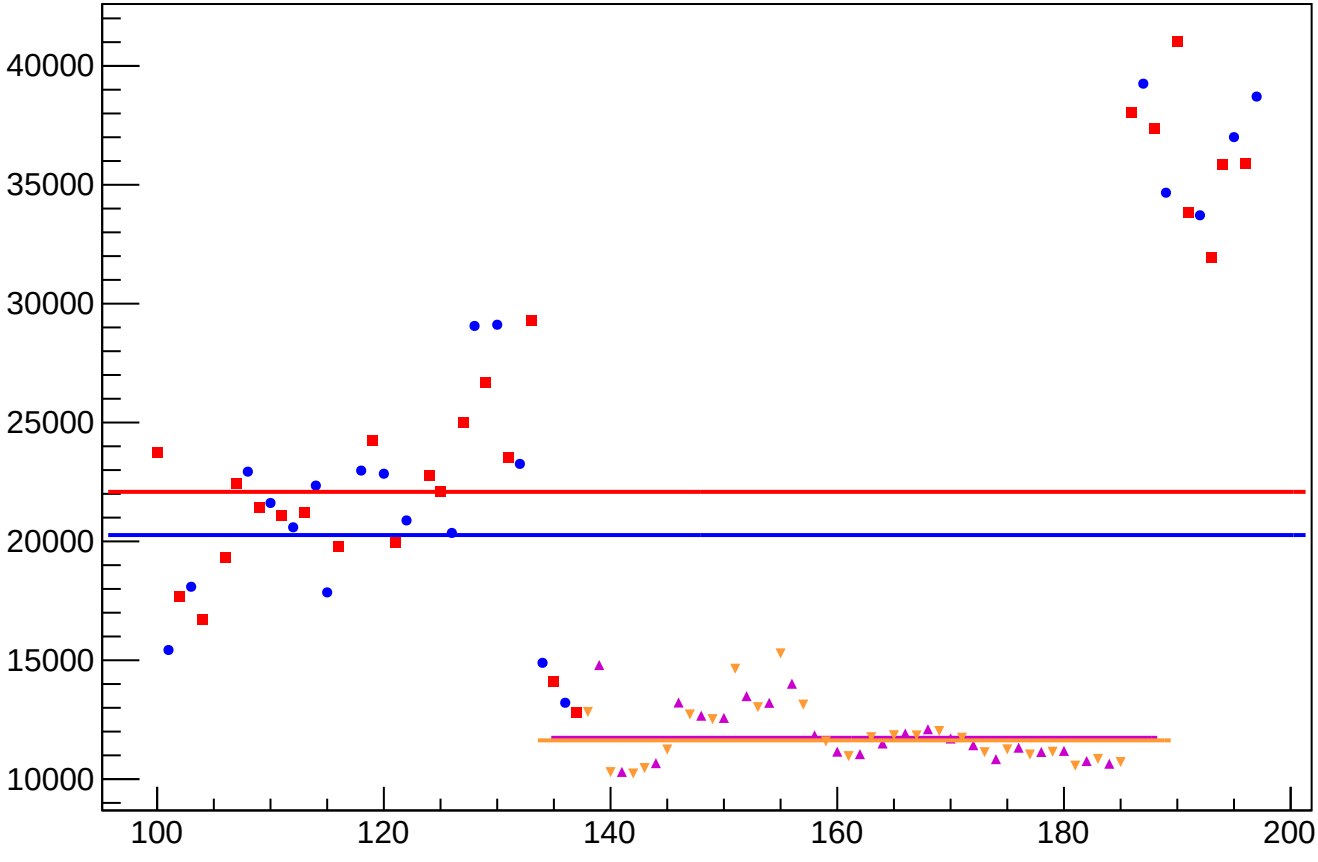
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.397+/-2.469 χ^2/NDF: 86.3/45

All: -7.969+/-1.774 χ^2/NDF: 145.4/94

- sign -3.242+/-2.551 χ^2/NDF: 52.4/48

diff_bpmtargetsumX_rms vs Slug



Right In: 20266.766+/-4.677 χ^2/NDF: 2298431.9/20

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 22083.724+/-4.751 χ^2/NDF: 2186096.1/25

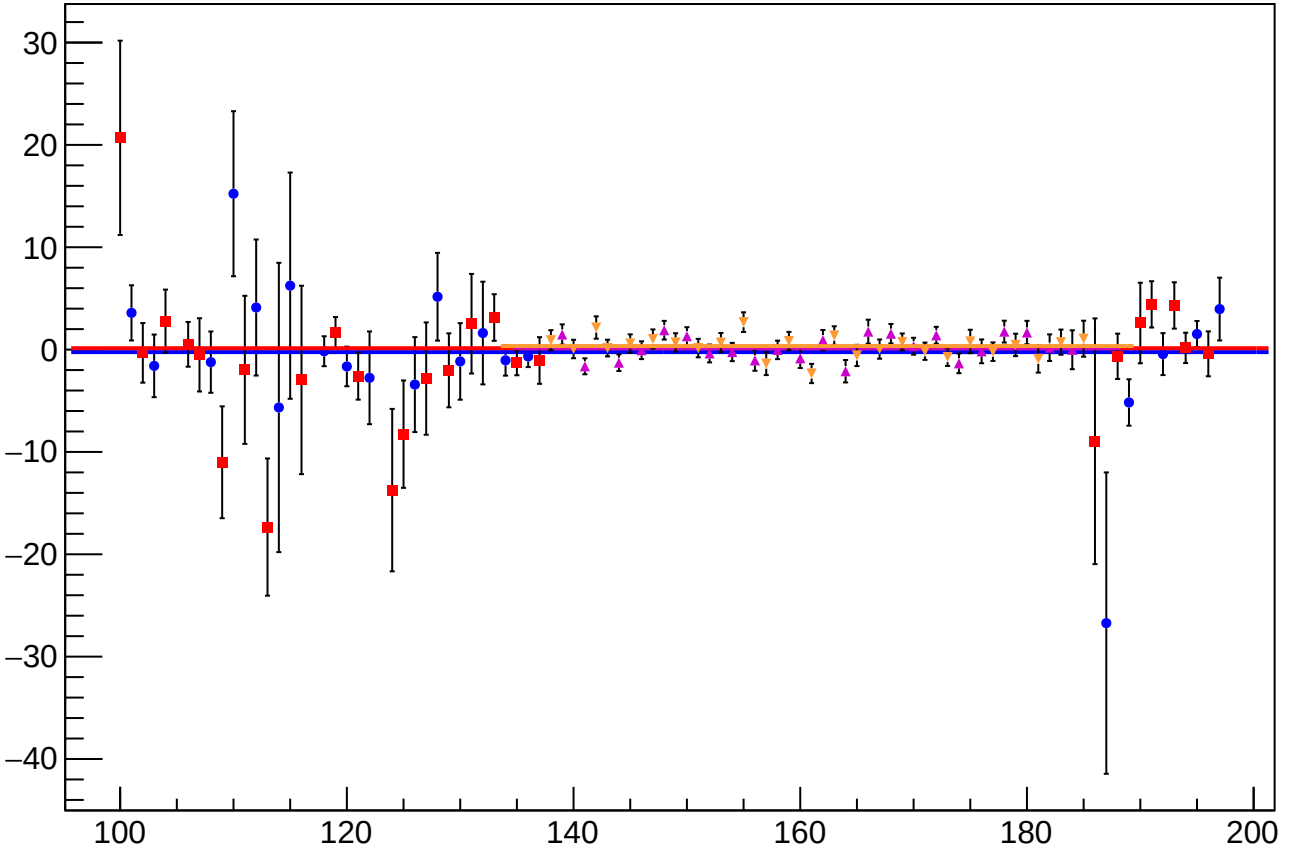
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 12833.454+/-1.746 χ^2/NDF: 5589462.5/45

All: 13024.977+/-1.254 χ^2/NDF: 12171290.6

- sign 13229.488+/-1.804 χ^2/NDF: 6556938.2/48

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.247+/-0.504 χ^2/NDF: 22.2/20

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.134+/-0.512 χ^2/NDF: 37.1/25

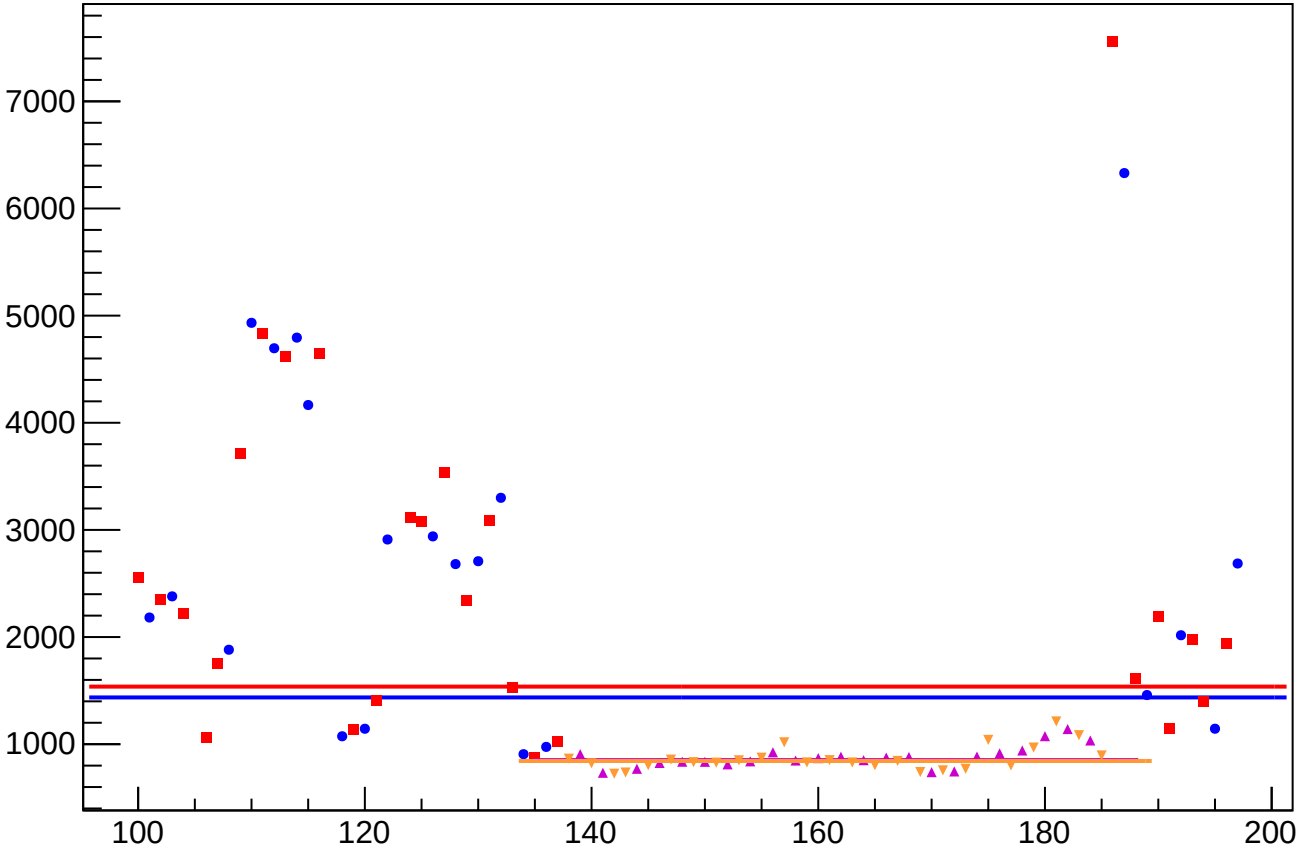
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.267+/-0.181 χ^2/NDF: 50.2/45

All: 0.216+/-0.130 χ^2/NDF: 123.8/94

- sign 0.161+/-0.187 χ^2/NDF: 73.4/48

diff_bpmtargetdiffX_rms vs Slug



Right In: 1436.426+/-0.356 χ^2/NDF: 4209805.8/20

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1537.294+/-0.362 χ^2/NDF: 4194830.6/25

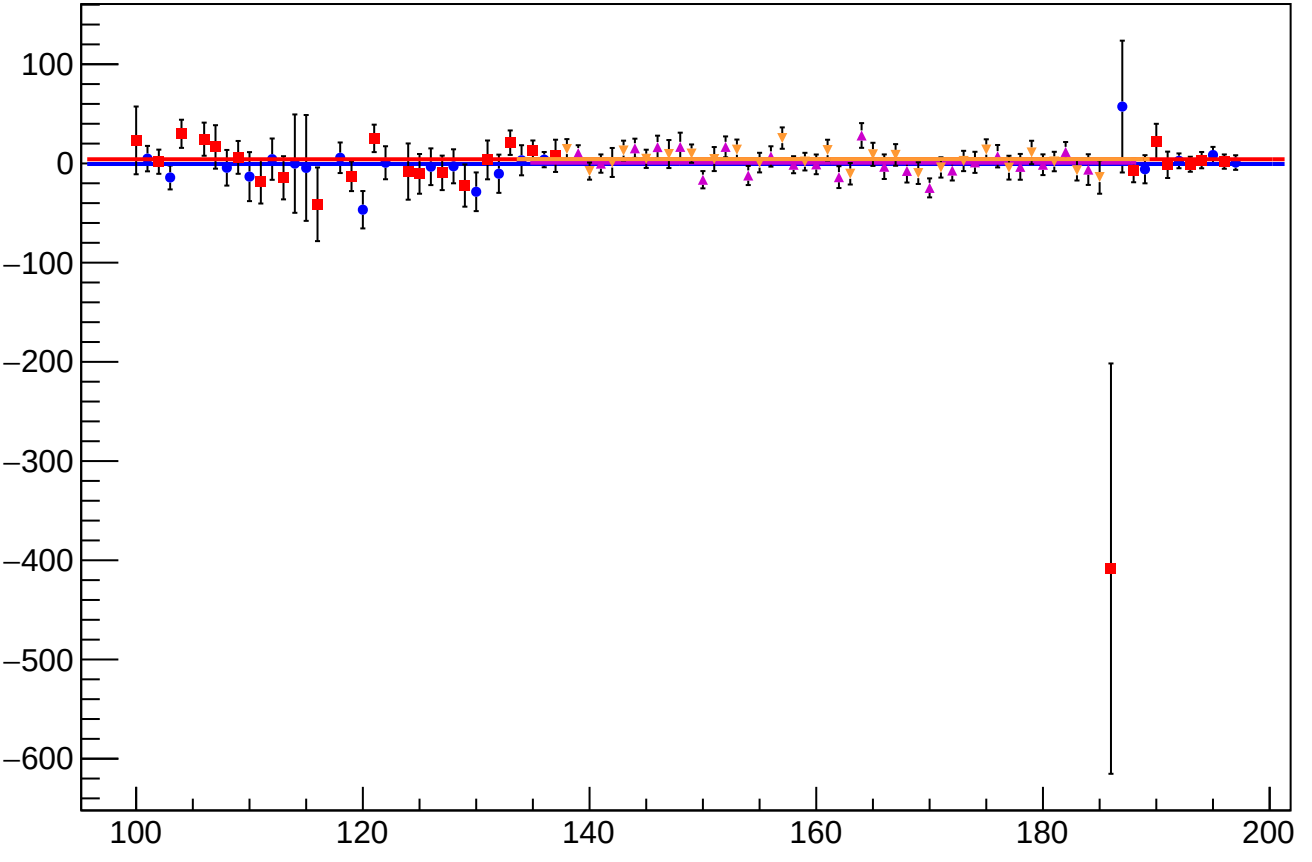
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 919.629+/-0.128 χ^2/NDF: 7127965.0/45

All: 930.981+/-0.092 χ^2/NDF: 14831438.3/94

- sign 943.115+/-0.132 χ^2/NDF: 7687172.6/48

diff_bpmtargetsumY_mean vs Slug



Right In: -0.573+/-2.877 χ^2/NDF: 13.1/20

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 4.213+/-2.707 χ^2/NDF: 24.5/25

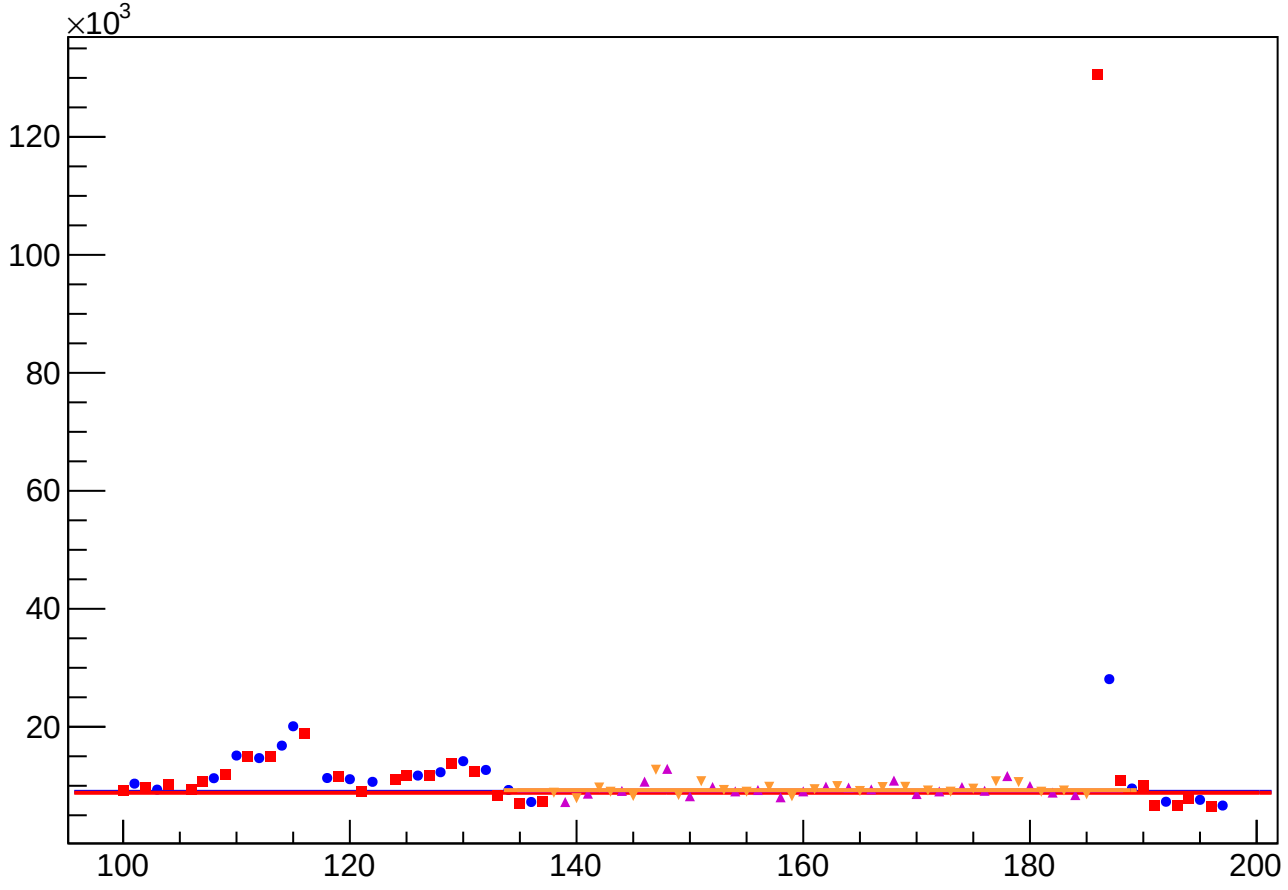
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.637+/-1.708 χ^2/NDF: 33.6/45

All: 2.364+/-1.202 χ^2/NDF: 91.2/94

- sign 2.095+/-1.693 χ^2/NDF: 57.5/48

diff_bpmtargetsumY_rms vs Slug



Right In: 8972.314+/-2.034 χ^2/NDF: 1524098.2/20

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

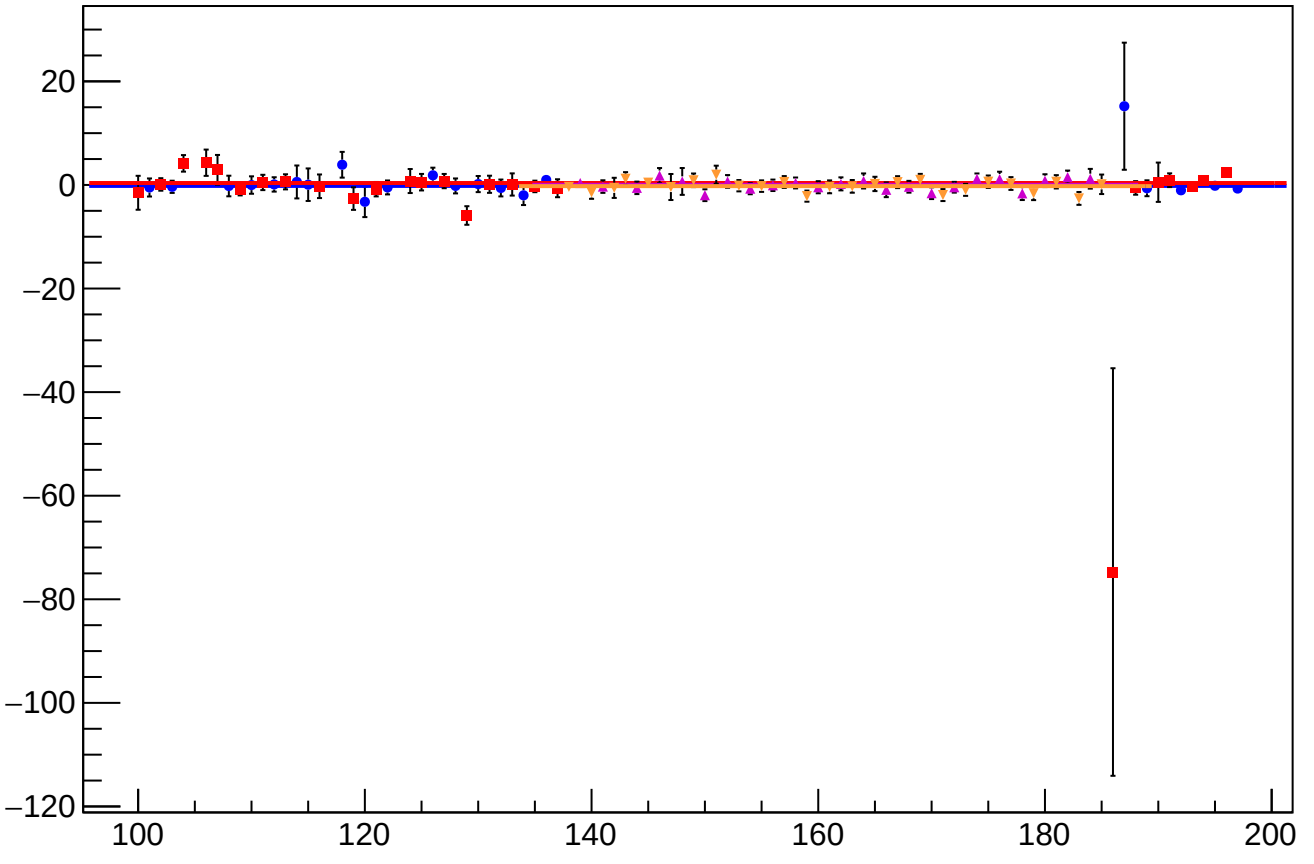
Right Out: 8814.399+/-1.914 χ^2/NDF: 2247889.9/25

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9159.657+/-1.207 χ^2/NDF: 1903263.5/45

All: 9103.785+/-0.850 χ^2/NDF: 4695537.8/94

- sign 9048.829+/-1.197 χ^2/NDF: 2788026.8/48



Right In: -0.185+/-0.286 χ^2/NDF: 12.3/20

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.372+/-0.275 χ^2/NDF: 37.6/25

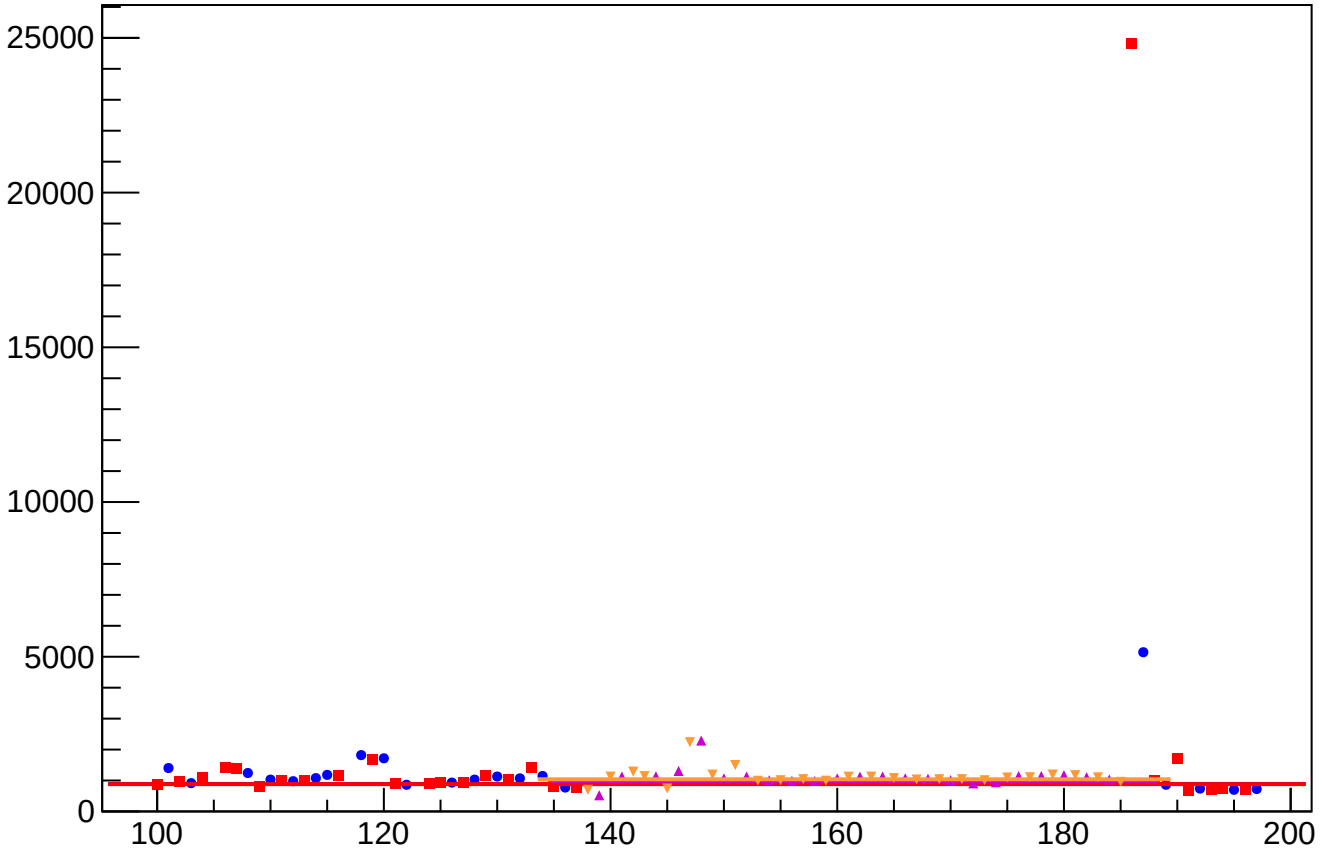
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.211+/-0.185 χ^2/NDF: 31.3/45

All: -0.013+/-0.129 χ^2/NDF: 87.2/94

- sign 0.174+/-0.180 χ^2/NDF: 53.8/48

diff_bpmtargetdiffY_rms vs Slug



Right In: 886.743+/-0.202 χ^2/NDF: 1421632.3/20

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

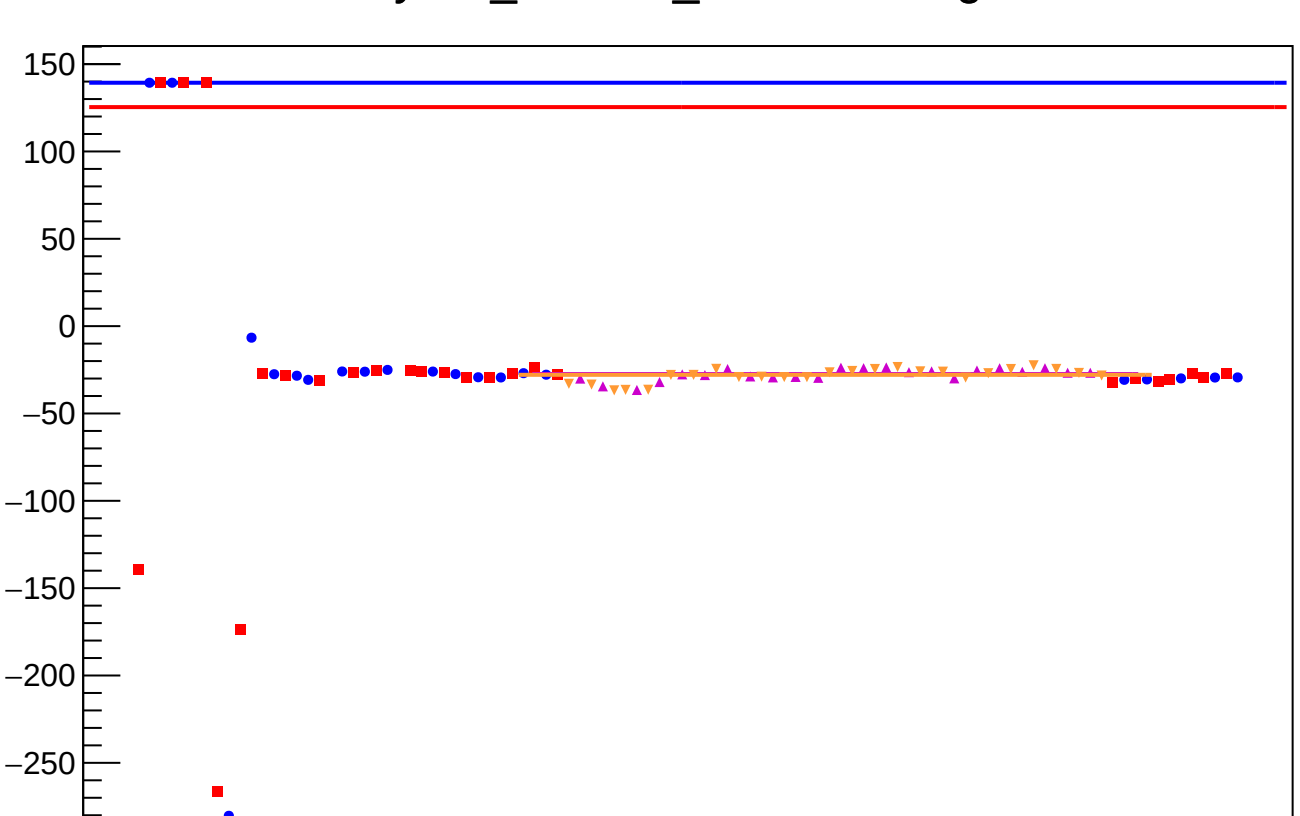
Right Out: 883.925+/-0.194 χ^2/NDF: 1898409.3/25

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

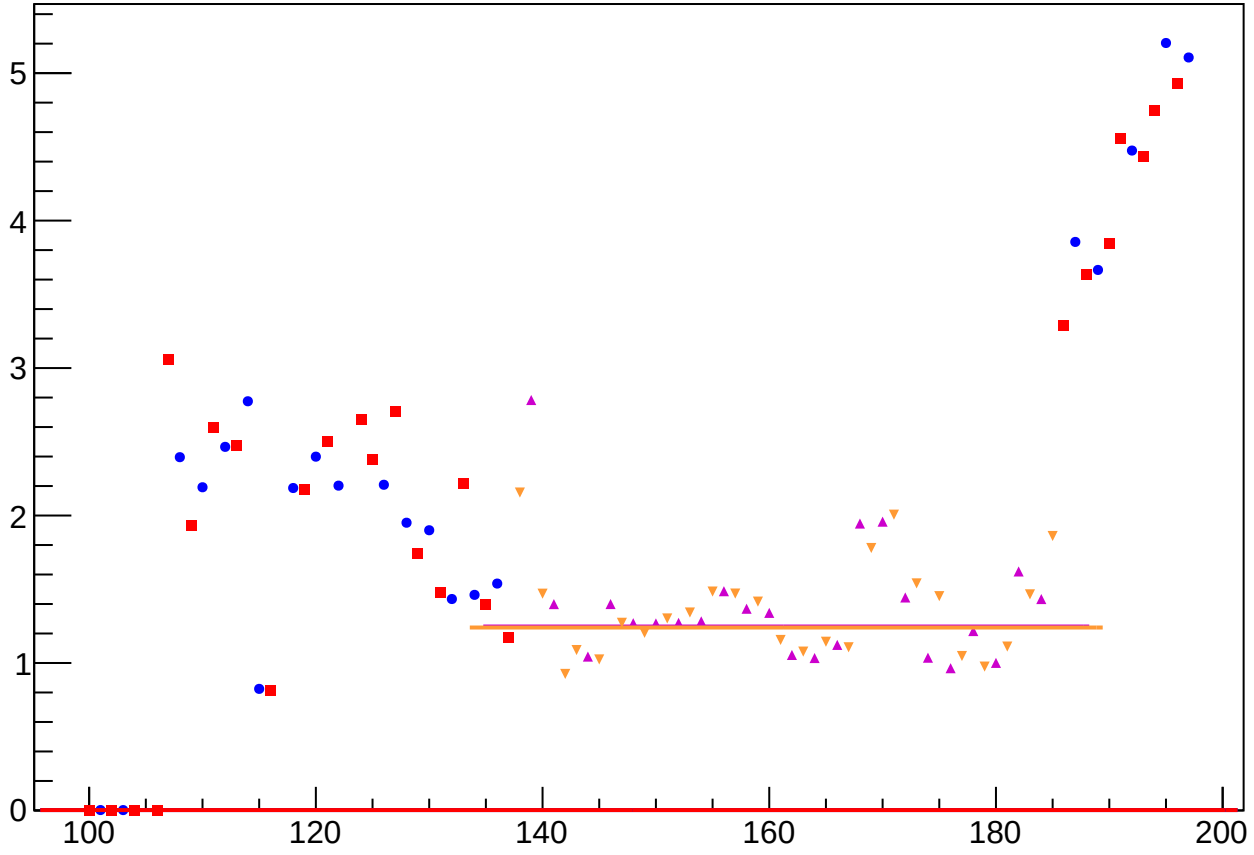
+ sign 975.335+/-0.131 χ^2/NDF: 3091687.6/45

All: 956.960+/-0.091 χ^2/NDF: 7397430.7/94

- sign 939.567+/-0.128 χ^2/NDF: 4267508.0/48


yield_cav4bX_mean vs Slug
150
100
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 139.337+/-0.000 χ²/NDF: 51673342225.0/20
Left Out: -27.865+/-0.000 χ²/NDF:181586557.6/24
Right Out: 125.392+/-0.000 χ²/NDF: 774179128355974.4/25
Left In: -27.427+/-0.000 χ²/NDF:123181562.3/22
+ sign 139.327+/-0.000 χ²/NDF: 326216686503.3/4
All: 131.810+/-0.000 χ²/NDF: 79349811656
- sign 125.385+/-0.000 χ²/NDF: 774392781501193

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 16184115.8/20

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

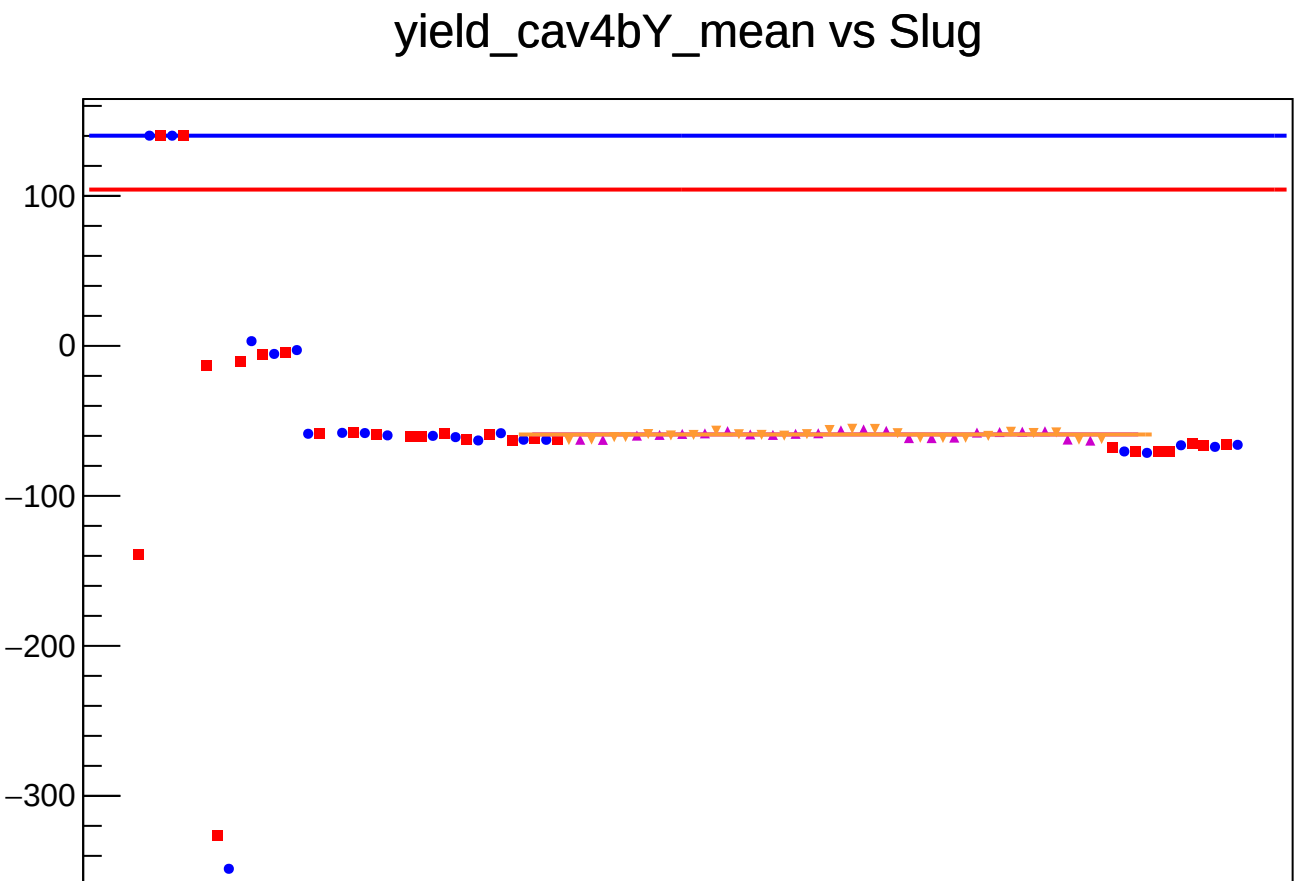
Right Out: 0.003+/-0.000 χ^2/NDF: 18363009.2/25

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

\+ sign 0.003+/-0.000 χ^2/NDF: 47482575.6/45

All: 0.003+/-0.000 χ^2/NDF: 95613104.1/94

\- sign 0.003+/-0.000 χ^2/NDF: 48130163.6/48



Right In: 140.141+/-0.000 χ^2/NDF: 296128221938.3/20

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.221+/-0.000 χ^2/NDF: 1257501537124310.8/25

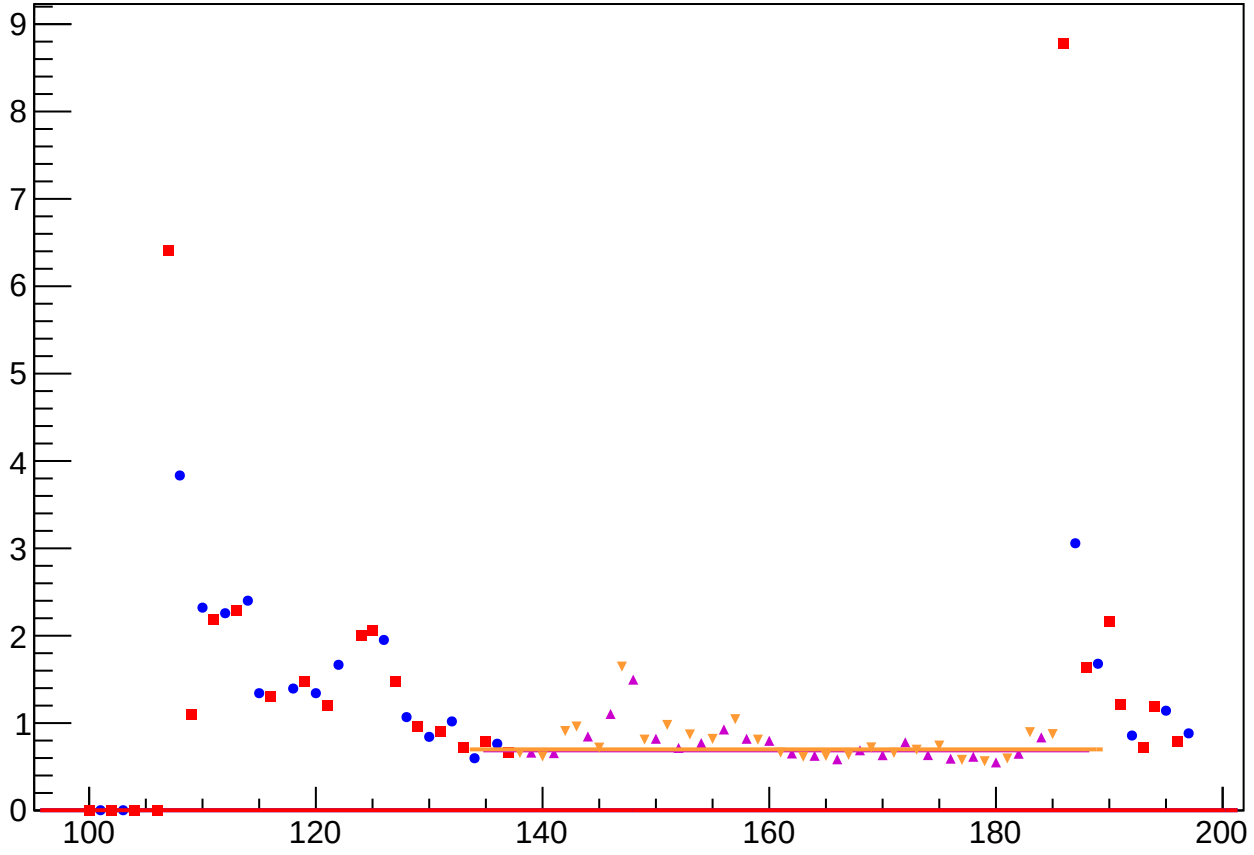
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.104+/-0.000 χ^2/NDF: 1593281012900.0

All: 120.798+/-0.000 χ^2/NDF: 13832031645

- sign 104.196+/-0.000 χ^2/NDF: 125835857243922

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 15978097.0/20

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 17957393.5/25

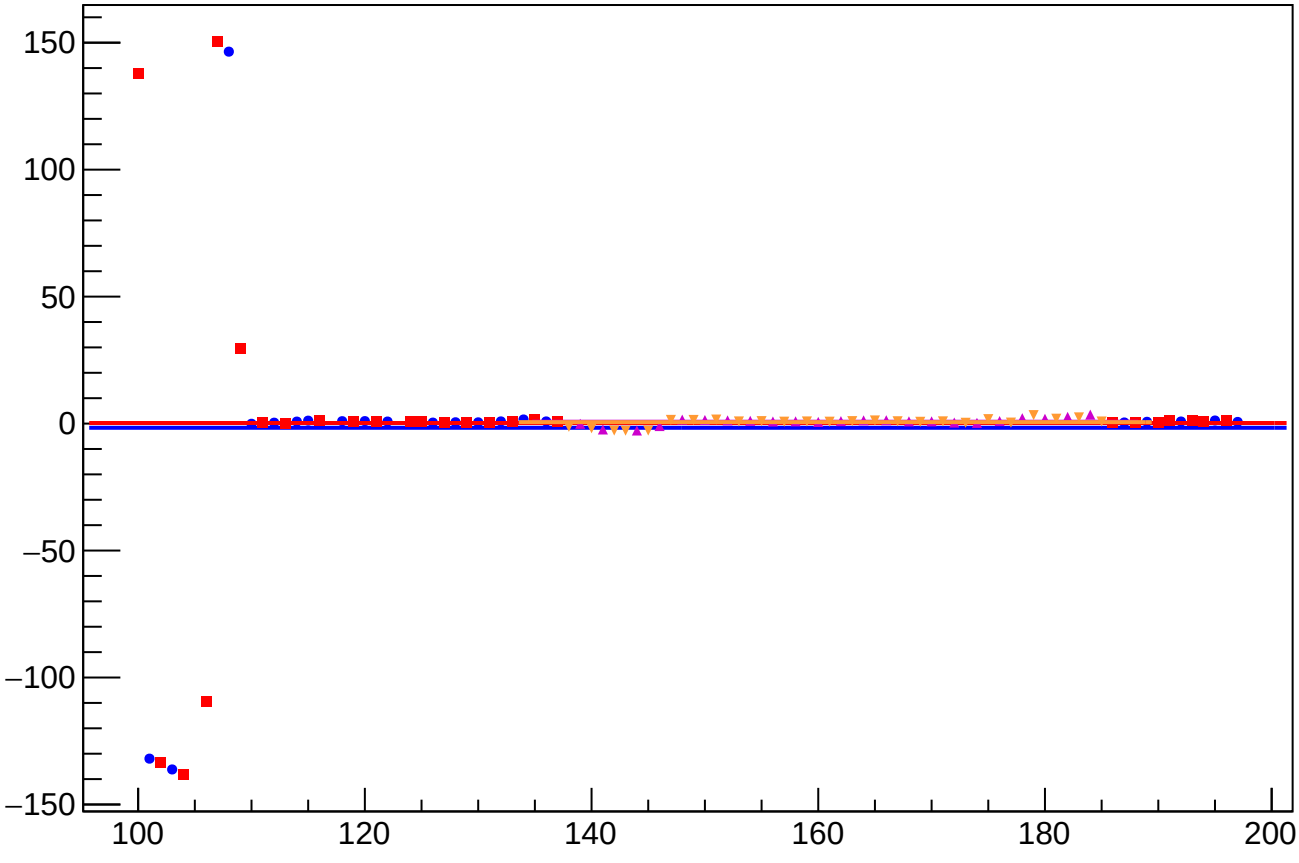
Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 49031180.8/45

All: 0.003+/-0.000 χ^2/NDF: 98298266.5/94

- sign 0.003+/-0.000 χ^2/NDF: 49266556.9/48

yield_cav4cX_mean vs Slug



Right In: -1.648+/-0.000 χ^2/NDF: 9894393324.4/20

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.228+/-0.000 χ^2/NDF: 3611976978.2/25

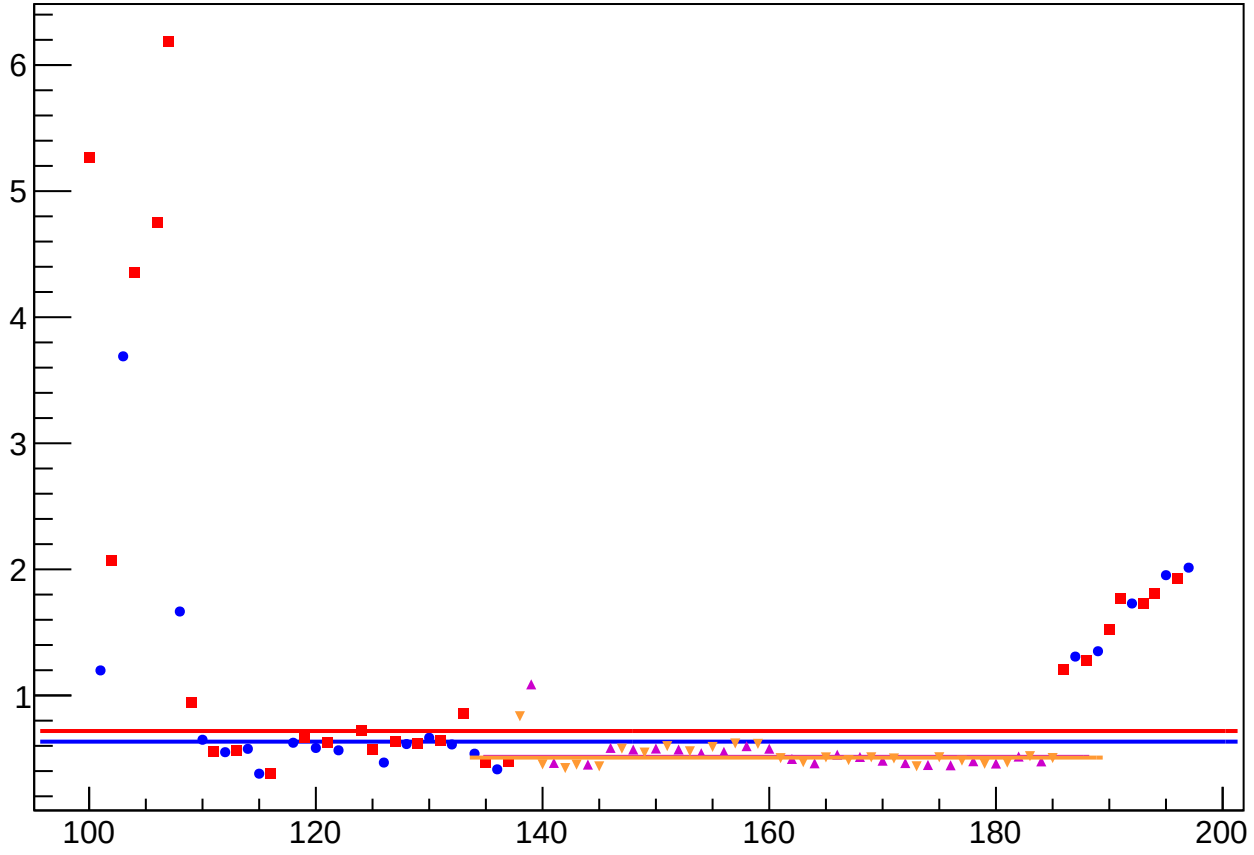
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.084+/-0.000 χ^2/NDF: 10115177085.2/45

All: 0.342+/-0.000 χ^2/NDF: 13846223048.5/9

- sign 0.625+/-0.000 χ^2/NDF: 3720145813.0/48

yield_cav4cX_rms vs Slug



Right In: 0.633+/-0.000 χ^2/NDF: 4462509.2/20

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.718+/-0.000 χ^2/NDF: 5420853.4/25

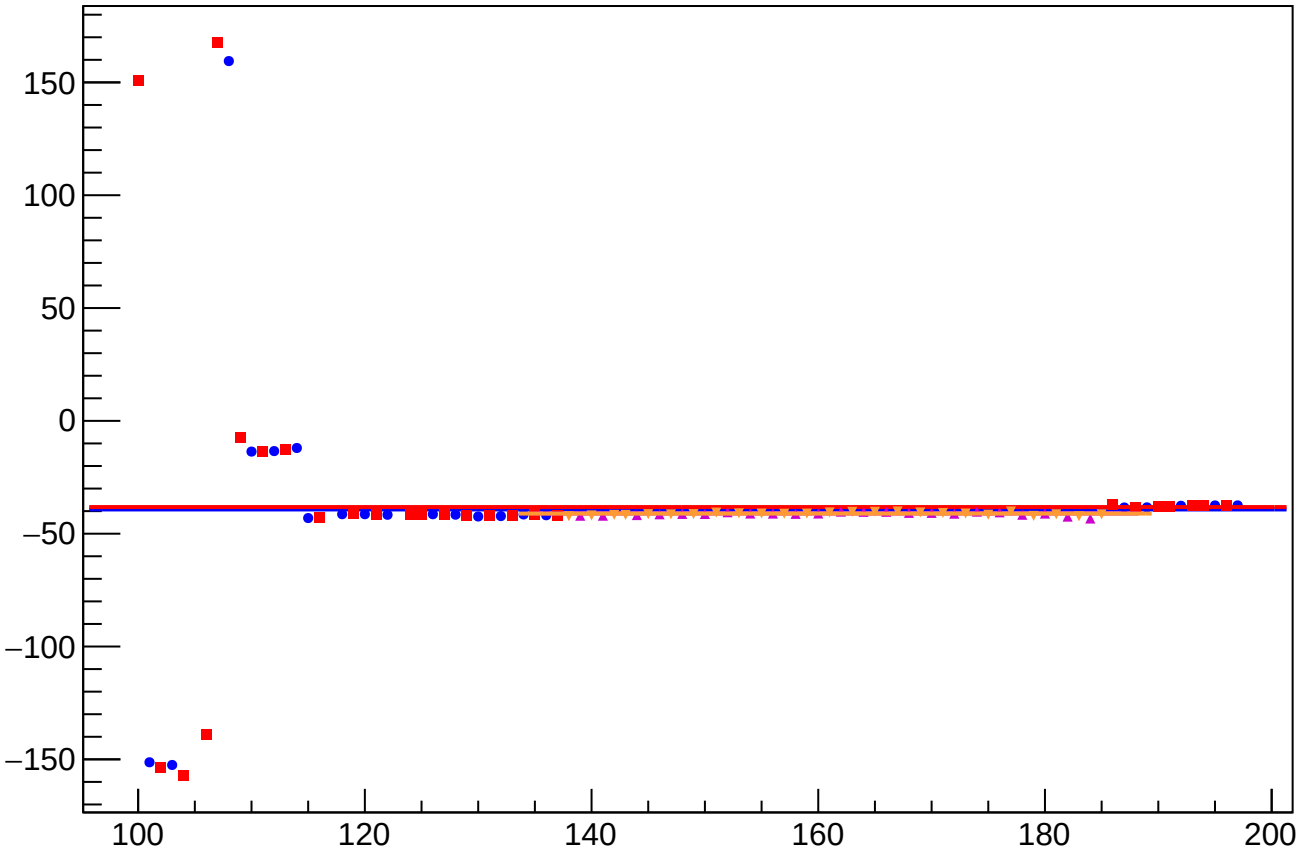
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.535+/-0.000 χ^2/NDF: 5446986.0/45

All: 0.545+/-0.000 χ^2/NDF: 12659099.5/94

- sign 0.556+/-0.000 χ^2/NDF: 7177597.6/48

yield_cav4cY_mean vs Slug



Right In: -39.257+/-0.000 χ^2/NDF: 3558612002.3/20

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.200+/-0.000 χ^2/NDF: 2506872853.1/25

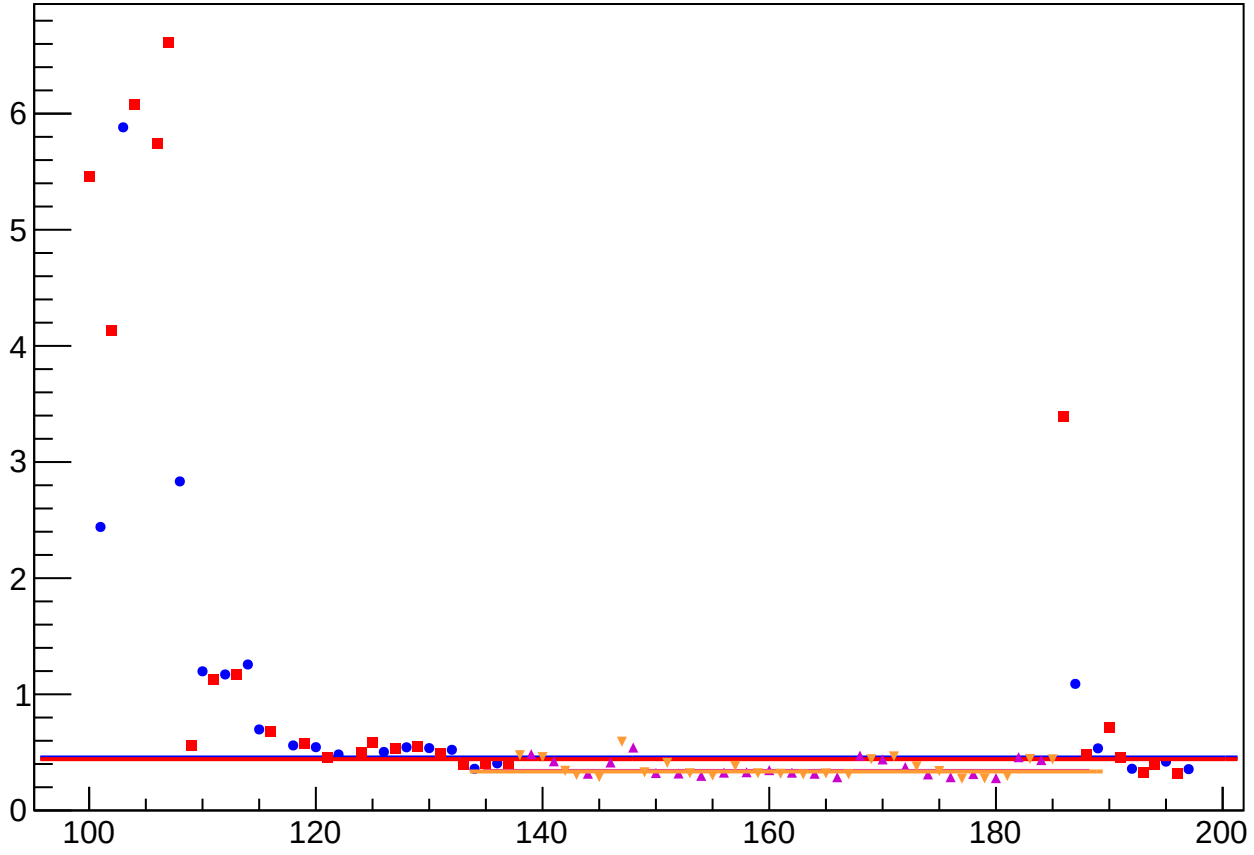
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.737+/-0.000 χ^2/NDF: 3721425962.8/45

All: -40.562+/-0.000 χ^2/NDF: 6558122957.0/

- sign -40.381+/-0.000 χ^2/NDF: 2824516520.7/48

yield_cav4cY_rms vs Slug



Right In: 0.456+/-0.000 χ^2/NDF: 3514640.4/20

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.442+/-0.000 χ^2/NDF: 4602060.1/25

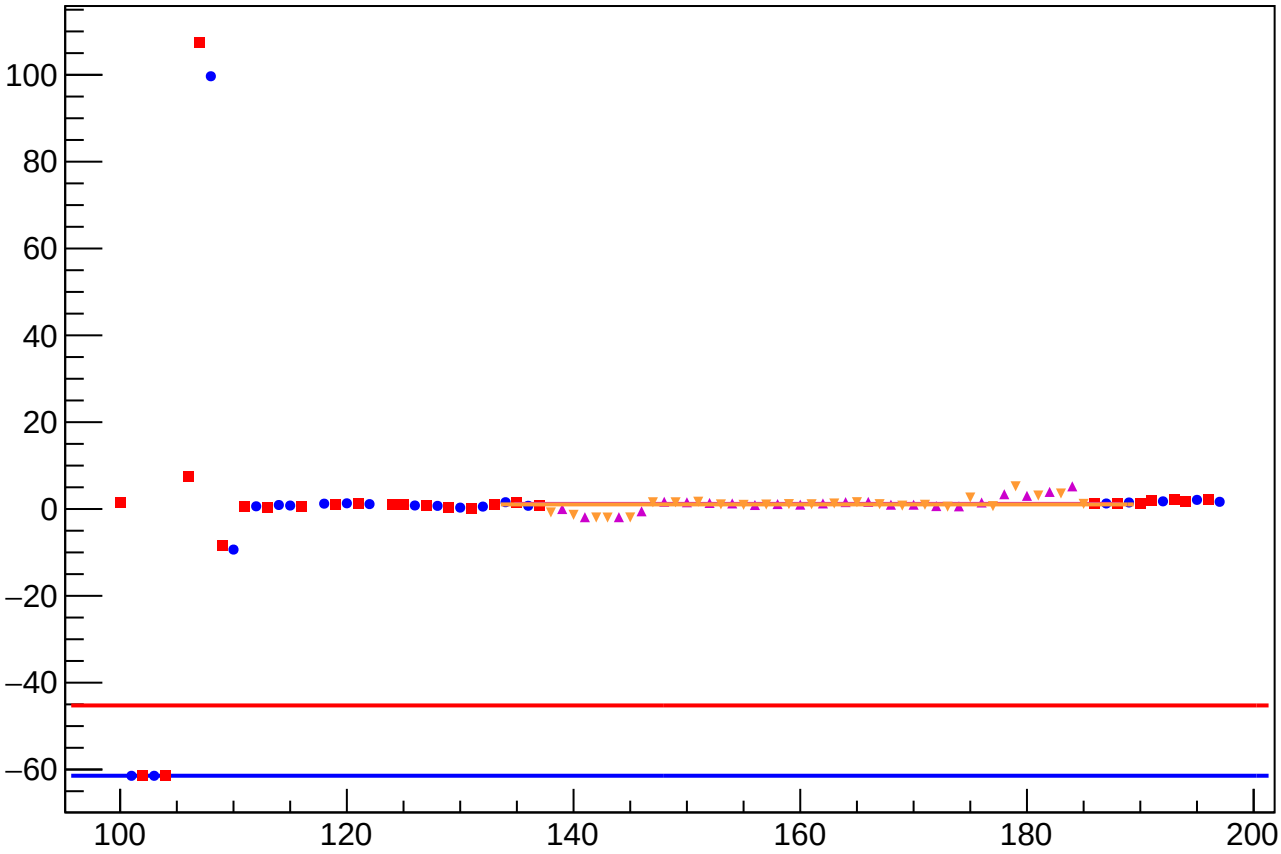
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.359+/-0.000 χ^2/NDF: 5638418.9/45

All: 0.361+/-0.000 χ^2/NDF: 11994053.1/94

- sign 0.363+/-0.000 χ^2/NDF: 6351729.1/48

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 279348426246.8/20

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357875426190957.9/25

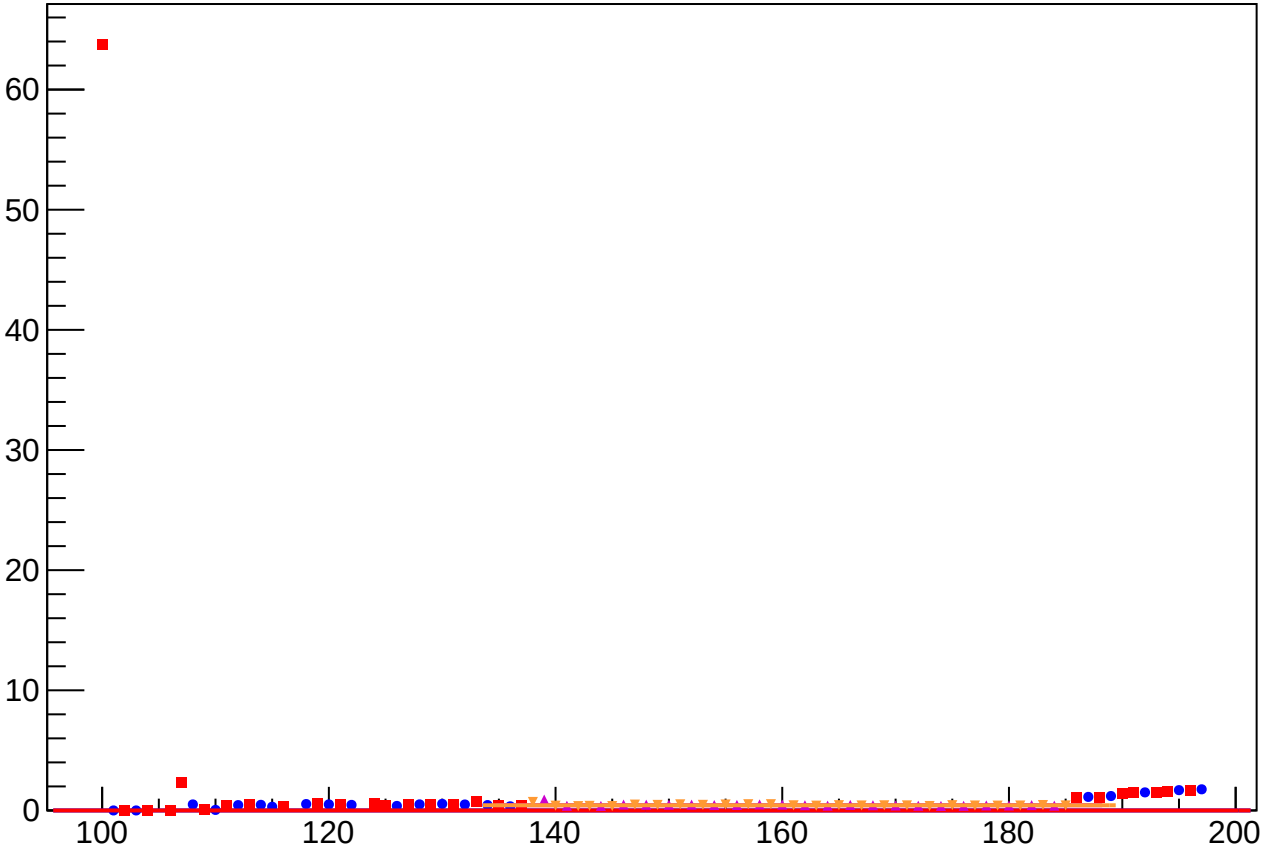
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 609354378216.8/4

All: -52.738+/-0.000 χ^2/NDF: 409602545213

- sign -45.236+/-0.000 χ^2/NDF: 358041991252905.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 15745826.2/20

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

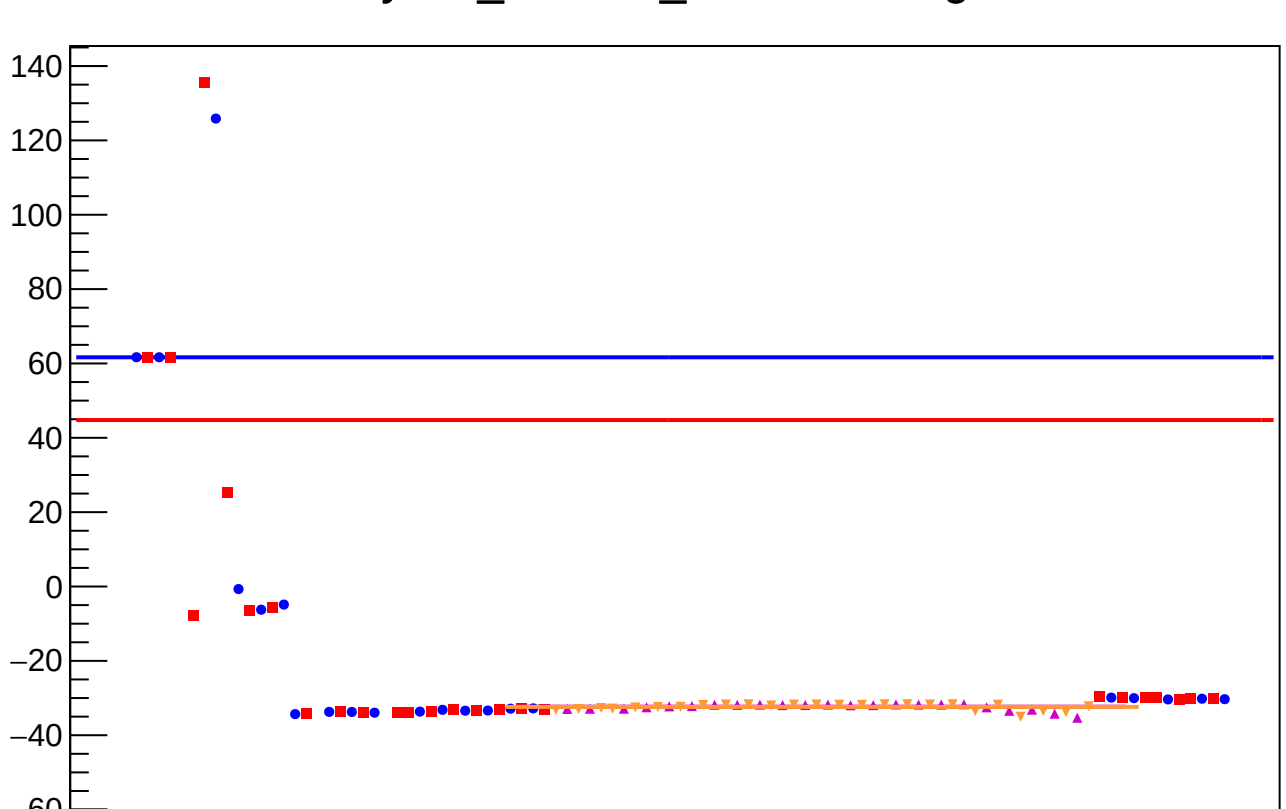
Right Out: 0.001+/-0.000 χ^2/NDF: 17970827.3/25

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 47510714.9/45

All: 0.002+/-0.000 χ^2/NDF: 95624046.8/94

- sign 0.002+/-0.000 χ^2/NDF: 48113163.7/48



Right In: 61.654+/-0.000 χ^2/NDF: 600202052270.7/20

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.779+/-0.000 χ^2/NDF: 366283456860191.6/25

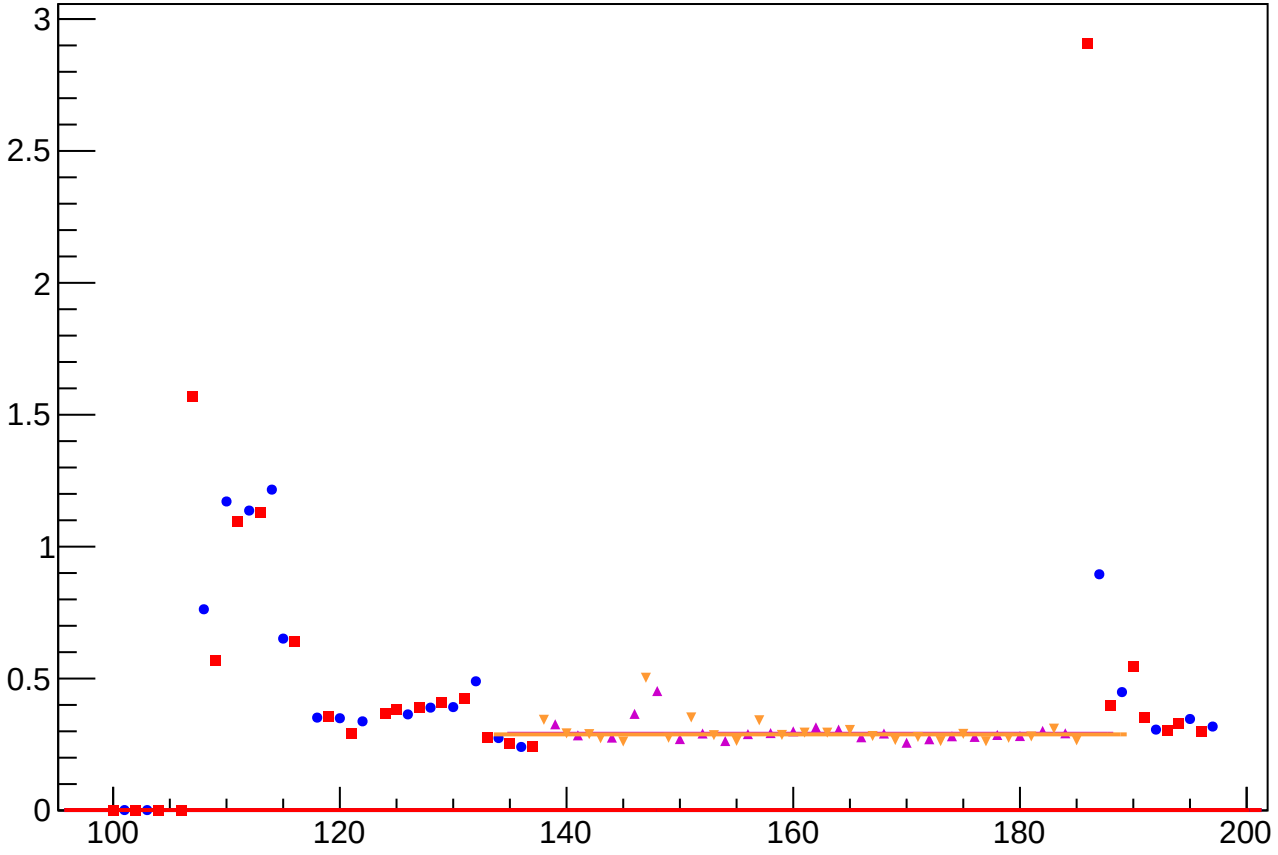
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.593+/-0.000 χ^2/NDF: 2558025702765.0/4

All: 52.631+/-0.000 χ^2/NDF: 421080749229

- sign 44.737+/-0.000 χ^2/NDF: 367511064022348.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 17410405.2/20

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 18978790.4/25

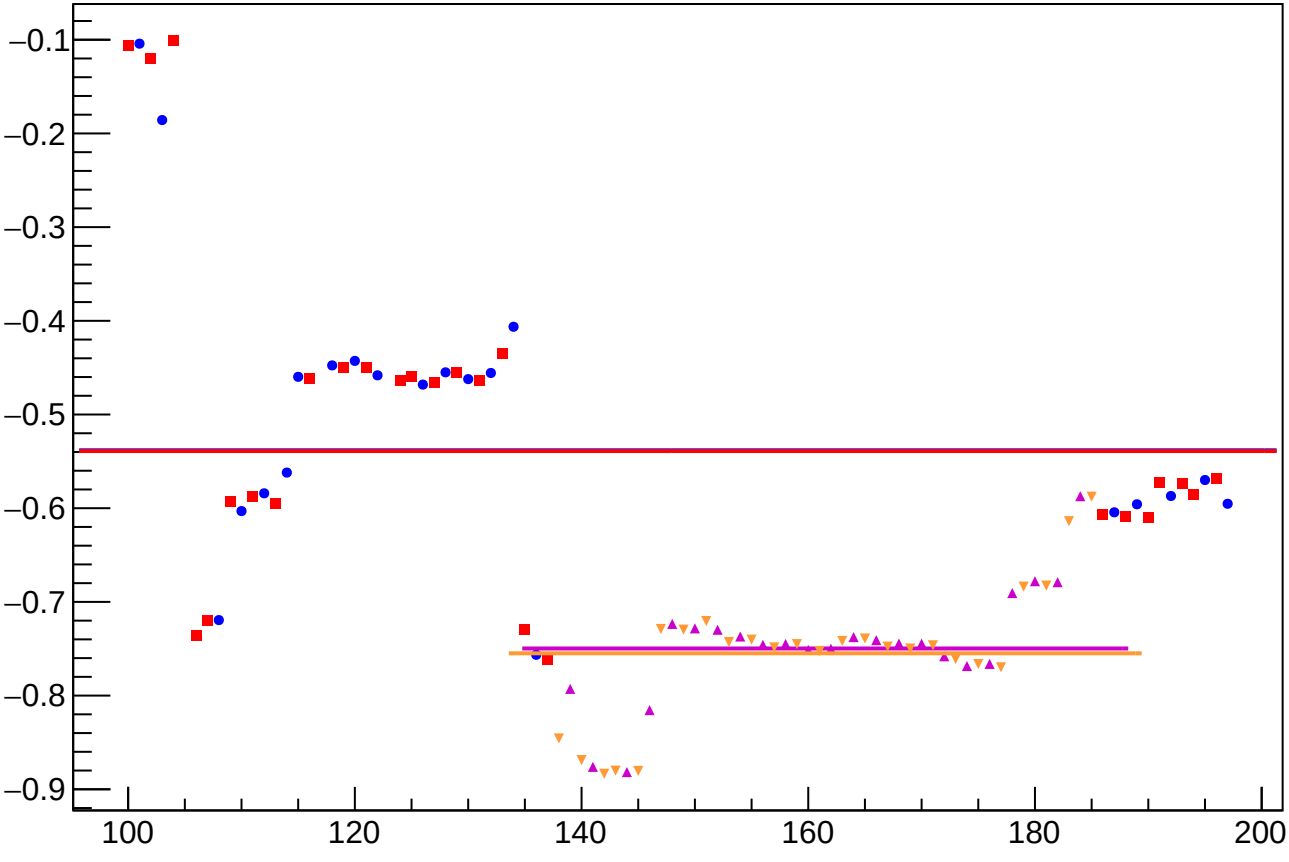
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 54366860.6/45

All: 0.002+/-0.000 χ^2/NDF: 108247019.3/94

- sign 0.002+/-0.000 χ^2/NDF: 53880114.4/48

yield_bpm4aX_mean vs Slug



Right In: -0.538+/-0.000 χ^2/NDF: 302964655.7/20

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.539+/-0.000 χ^2/NDF: 218579618.7/25

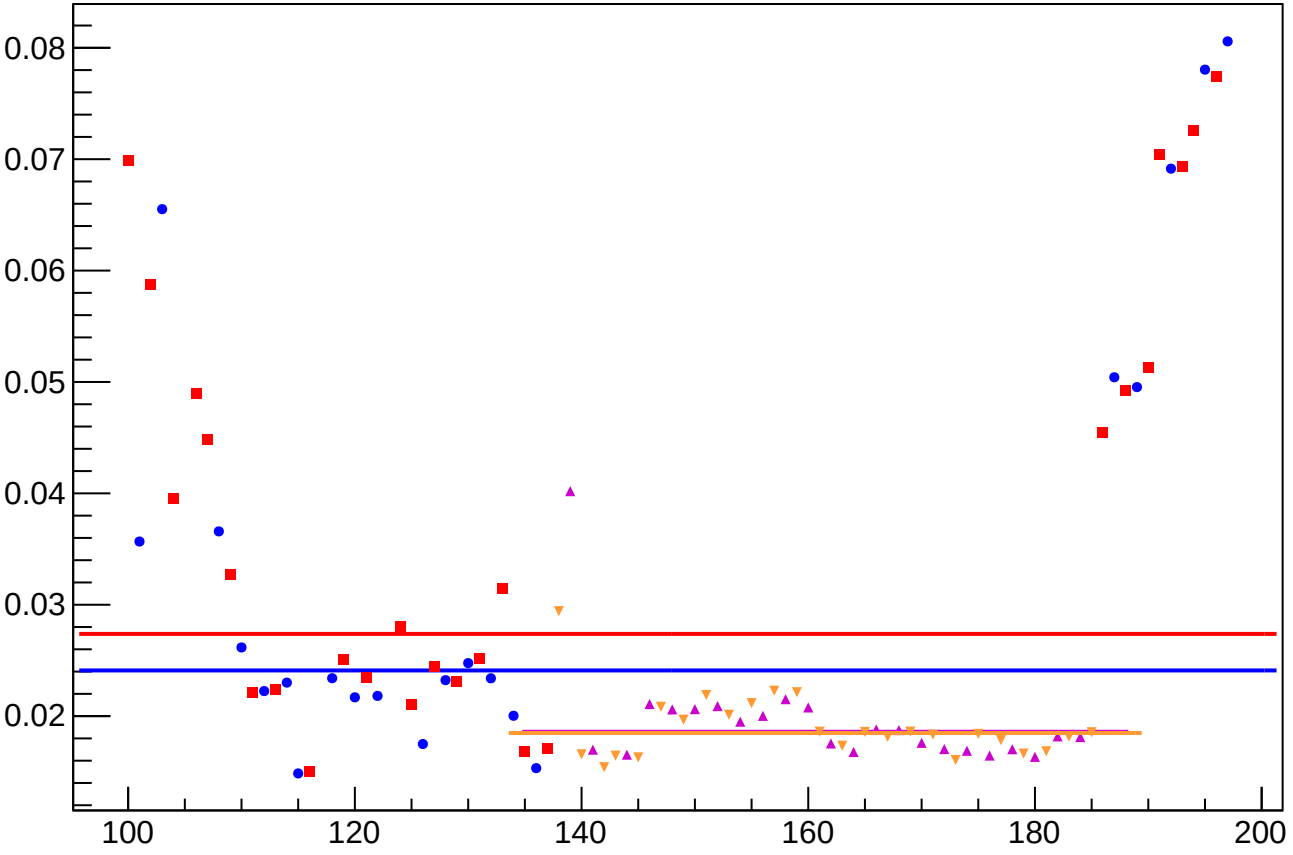
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.709+/-0.000 χ^2/NDF: 972331629.3/45

All: -0.707+/-0.000 χ^2/NDF: 1725251453.9/9

- sign -0.706+/-0.000 χ^2/NDF: 752672248.3/48

yield_bpm4aX_rms vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 4099225.8/20

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.027+/-0.000 χ^2/NDF: 4278406.6/25

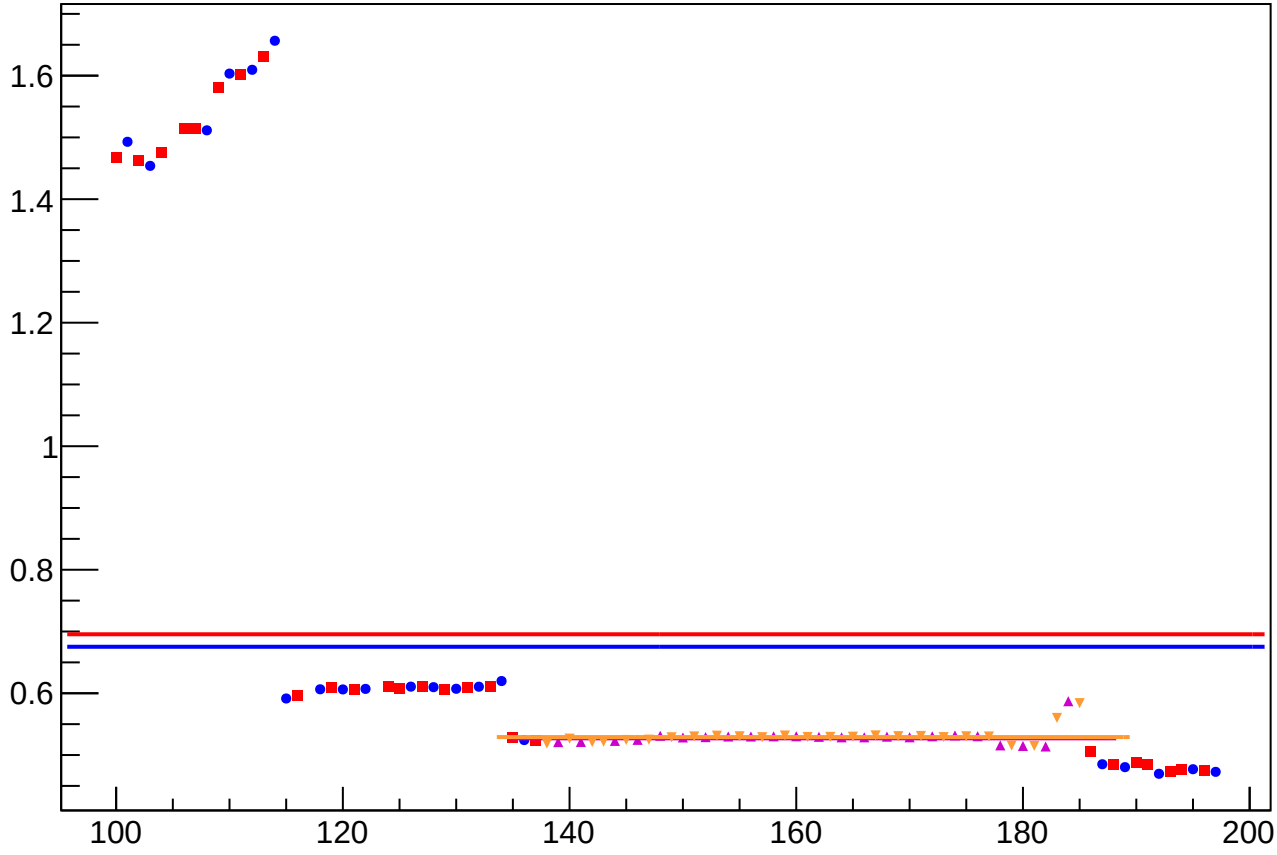
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 5204864.2/45

All: 0.020+/-0.000 χ^2/NDF: 11621040.7/94

- sign 0.020+/-0.000 χ^2/NDF: 6385140.0/48

yield_bpm4aY_mean vs Slug



Right In: 0.675+/-0.000 χ^2/NDF: 5054919436.0/20

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.696+/-0.000 χ^2/NDF: 5895499506.6/25

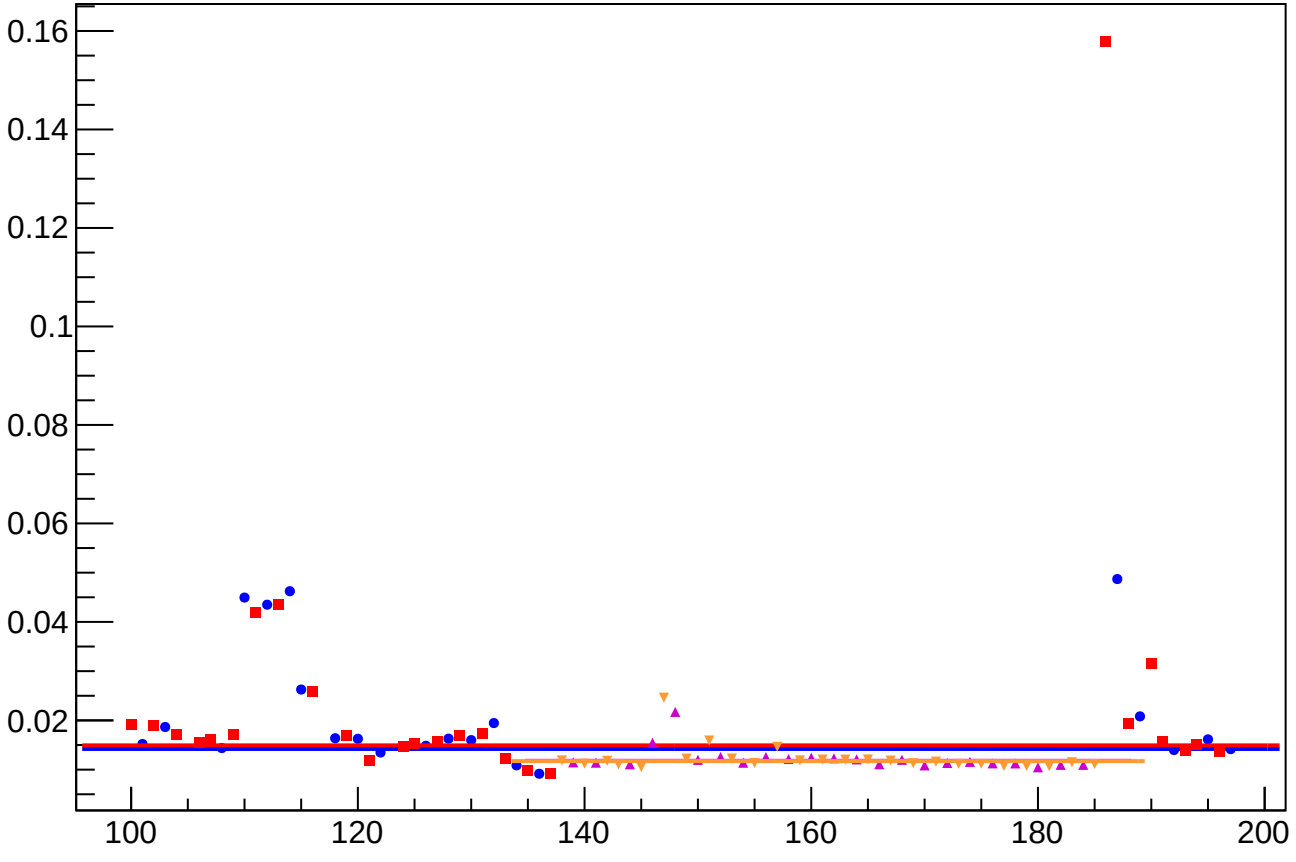
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.565+/-0.000 χ^2/NDF: 5786752199.7/45

All: 0.568+/-0.000 χ^2/NDF: 12637999291.2/9

- sign 0.571+/-0.000 χ^2/NDF: 6848421104.9/48

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1958444.5/20

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2376883.0/25

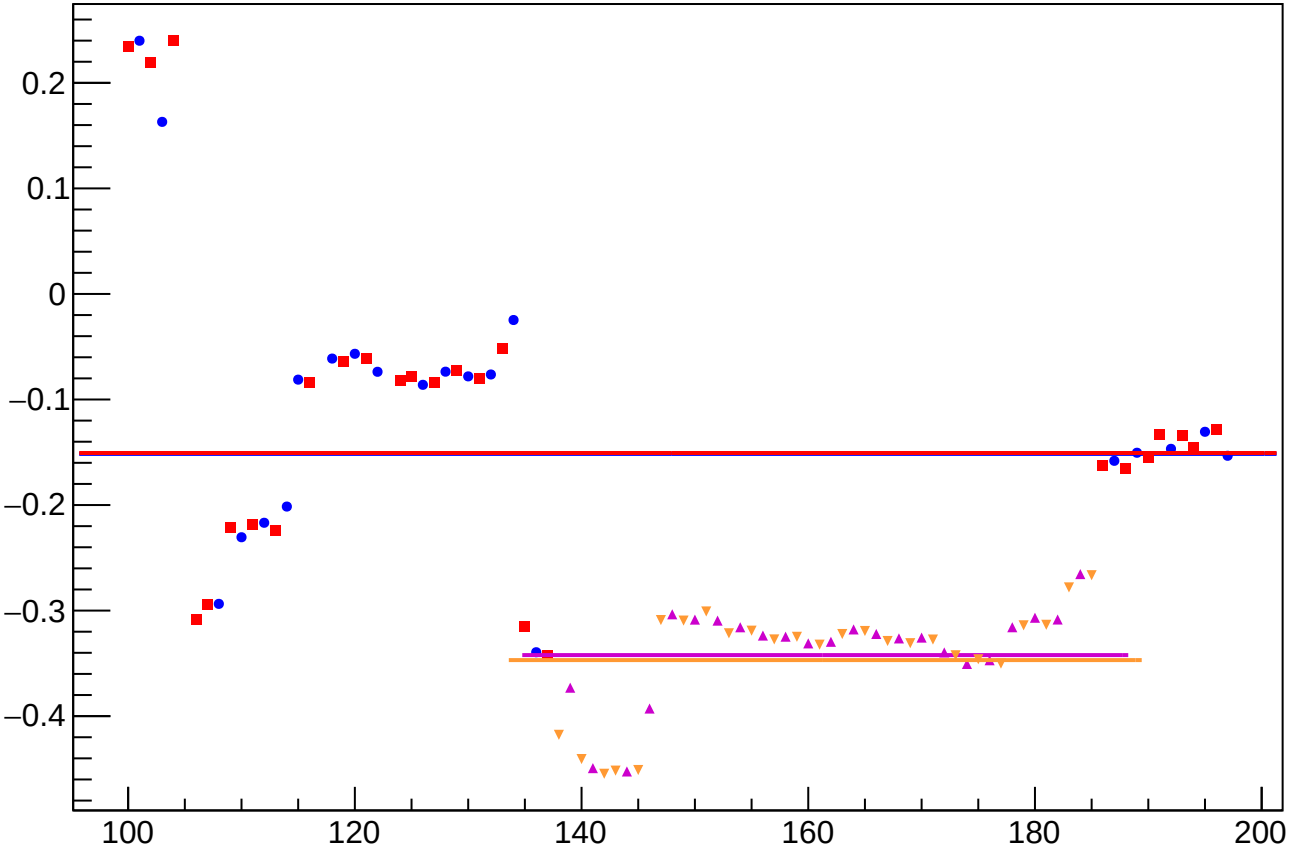
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 3066006.8/45

All: 0.012+/-0.000 χ^2/NDF: 6627715.3/94

- sign 0.013+/-0.000 χ^2/NDF: 3549435.7/48

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276866396.9/20

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199652242.9/25

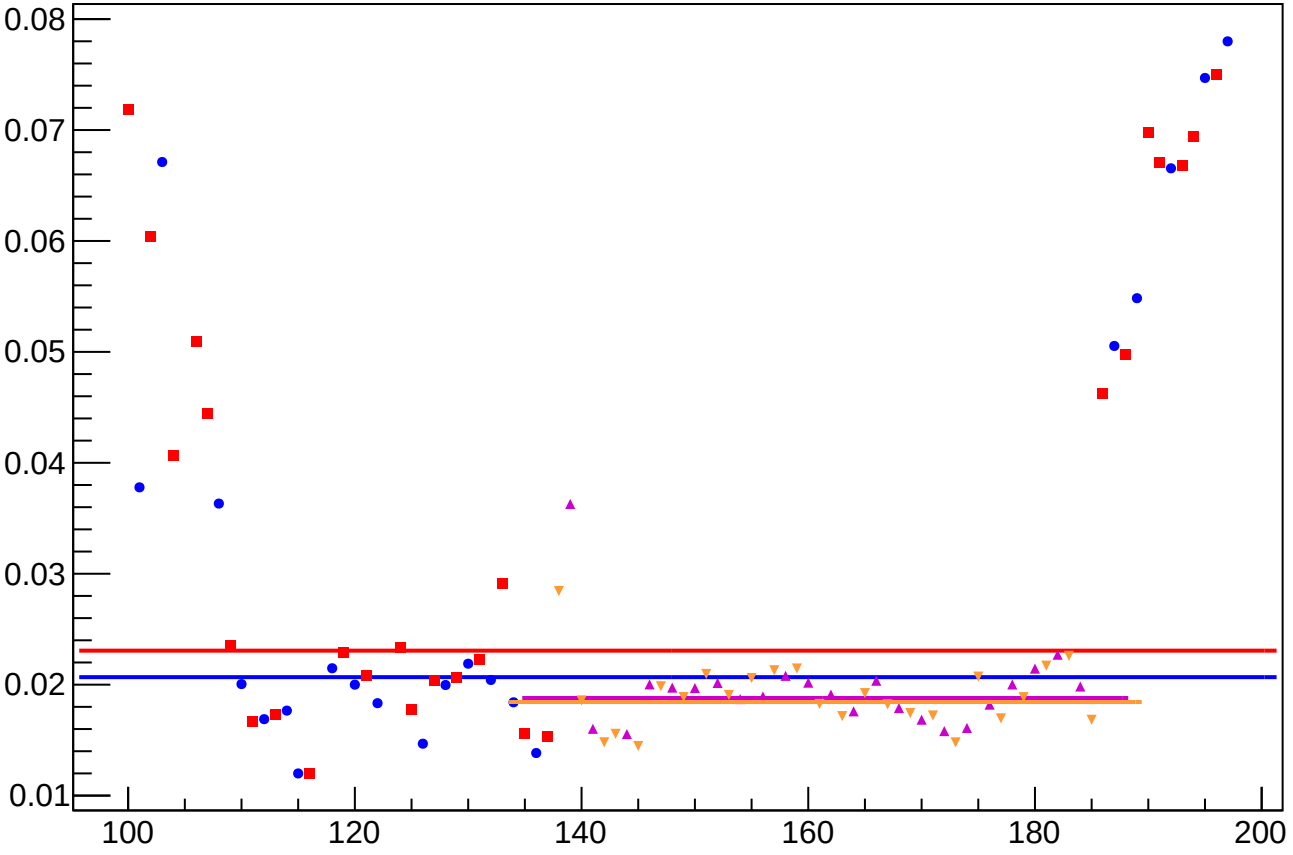
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.297+/-0.000 χ^2/NDF: 860628064.9/45

All: -0.295+/-0.000 χ^2/NDF: 1552995504.3/9

- sign -0.293+/-0.000 χ^2/NDF: 691841227.7/48

yield_bpm4eX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 4712474.3/20

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.023+/-0.000 χ^2/NDF: 5256293.8/25

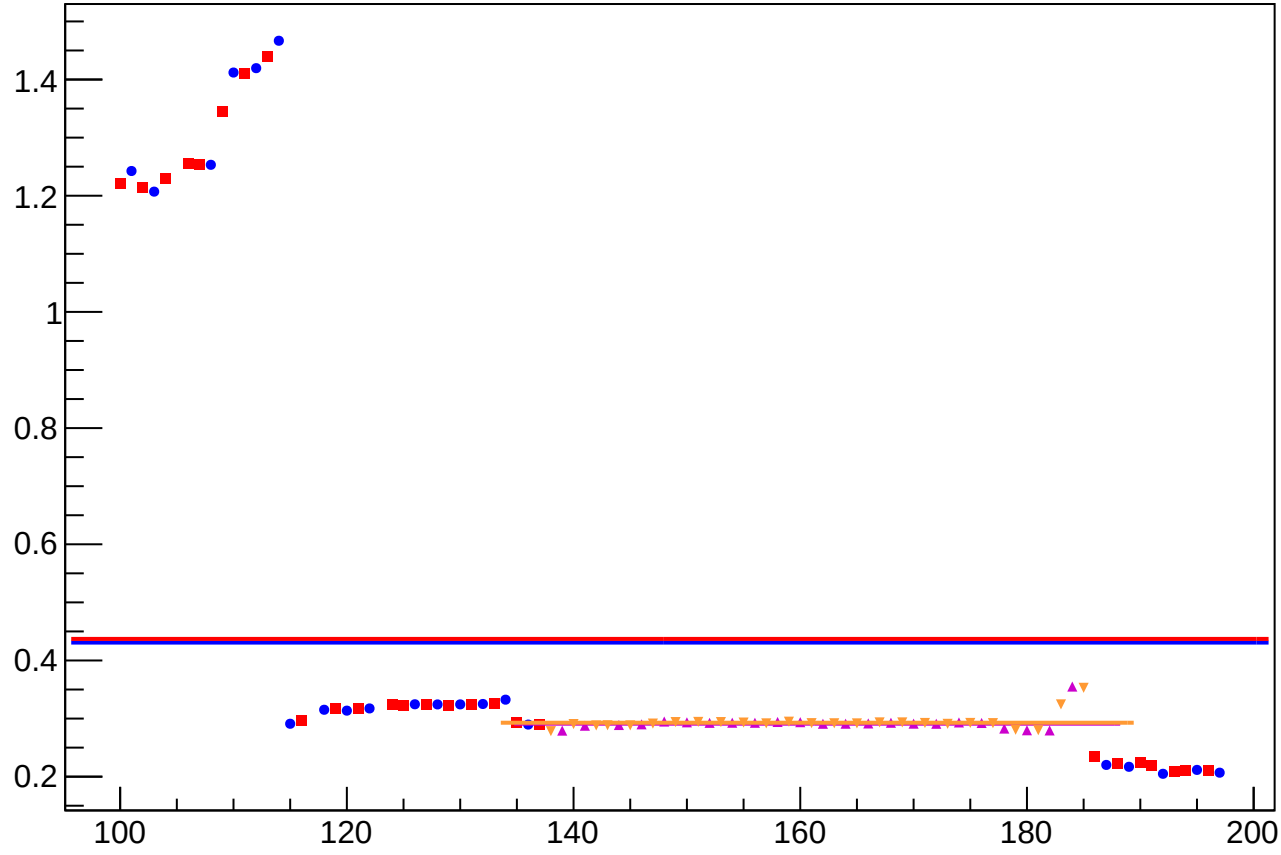
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 5473036.7/45

All: 0.019+/-0.000 χ^2/NDF: 11897526.1/94

- sign 0.020+/-0.000 χ^2/NDF: 6376621.1/48

yield_bpm4eY_mean vs Slug



Right In: 0.431+/-0.000 χ^2/NDF: 7460420597.6/20

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.437+/-0.000 χ^2/NDF: 8359738803.8/25

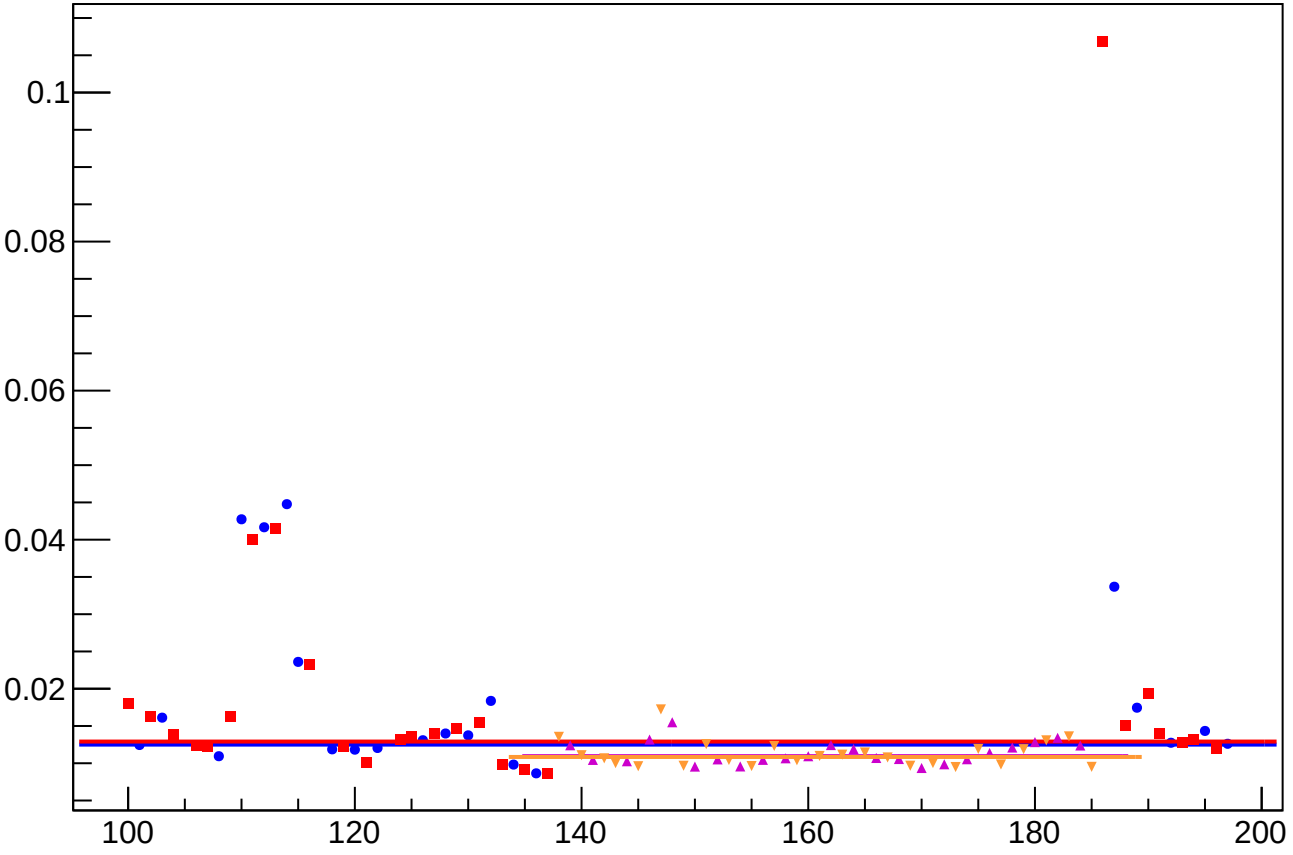
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.330+/-0.000 χ^2/NDF: 8281358982.5/45

All: 0.332+/-0.000 χ^2/NDF: 17556477105.3/9

- sign 0.334+/-0.000 χ^2/NDF: 9273663002.7/48

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1762755.4/20

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2158180.6/25

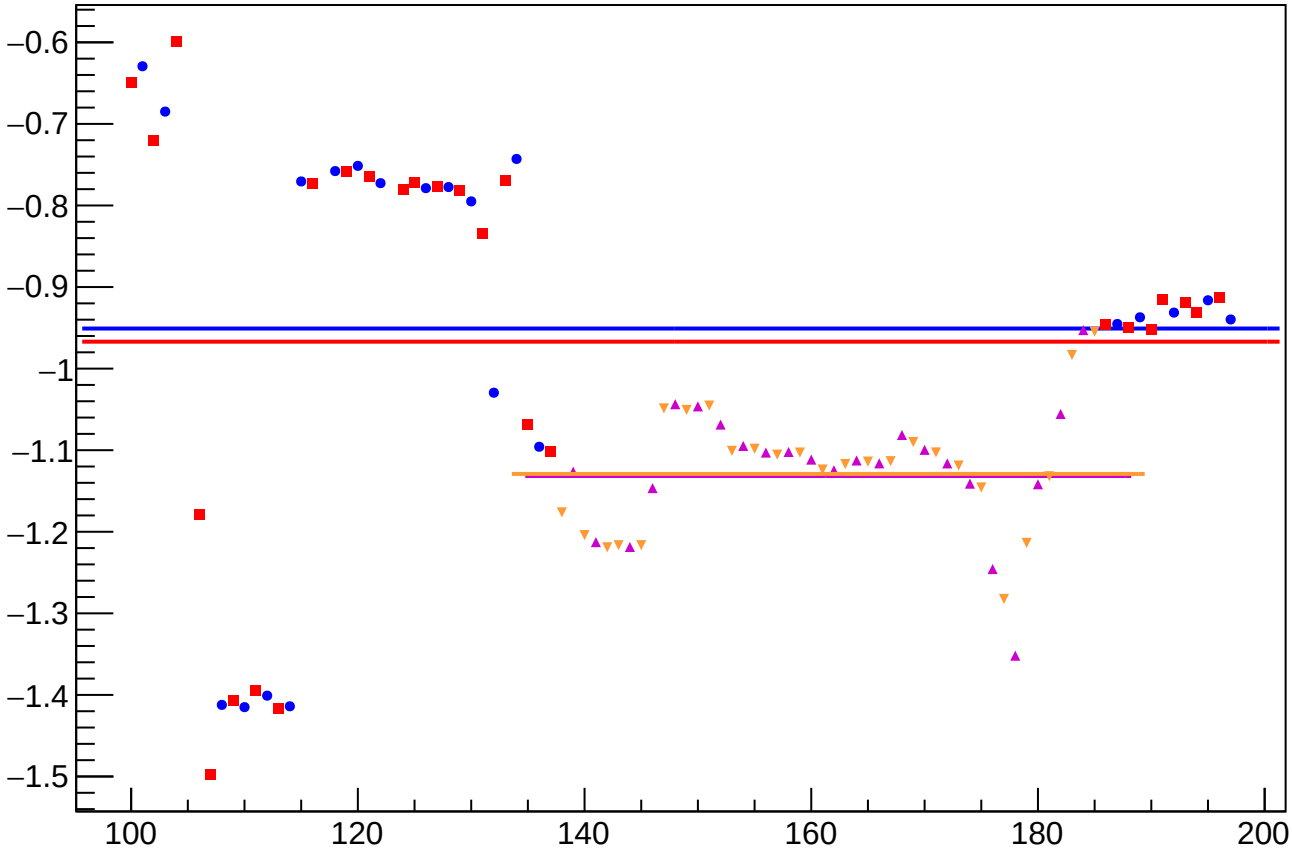
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2649250.1/45

All: 0.011+/-0.000 χ^2/NDF: 5655444.0/94

- sign 0.012+/-0.000 χ^2/NDF: 2994608.4/48

yield_bpm4acX_mean vs Slug



Right In: -0.951+/-0.000 χ^2/NDF: 699797059.4/20

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.967+/-0.000 χ^2/NDF: 716043580.7/25

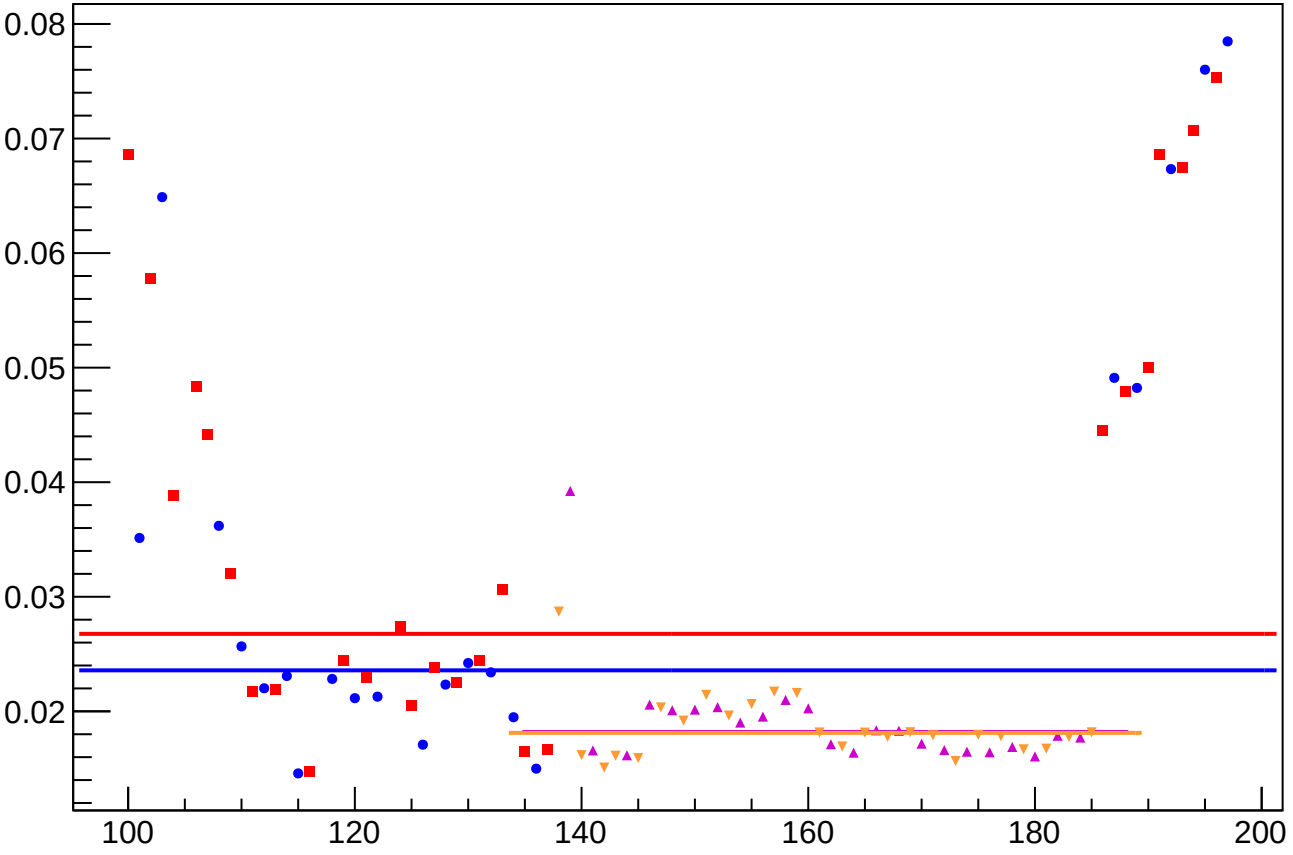
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.091+/-0.000 χ^2/NDF: 1260644808.5/45

All: -1.094+/-0.000 χ^2/NDF: 2488878285.4/9

- sign -1.097+/-0.000 χ^2/NDF: 1227093179.5/48

yield_bpm4acX_rms vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 4099415.5/20

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.027+/-0.000 χ^2/NDF: 4270990.9/25

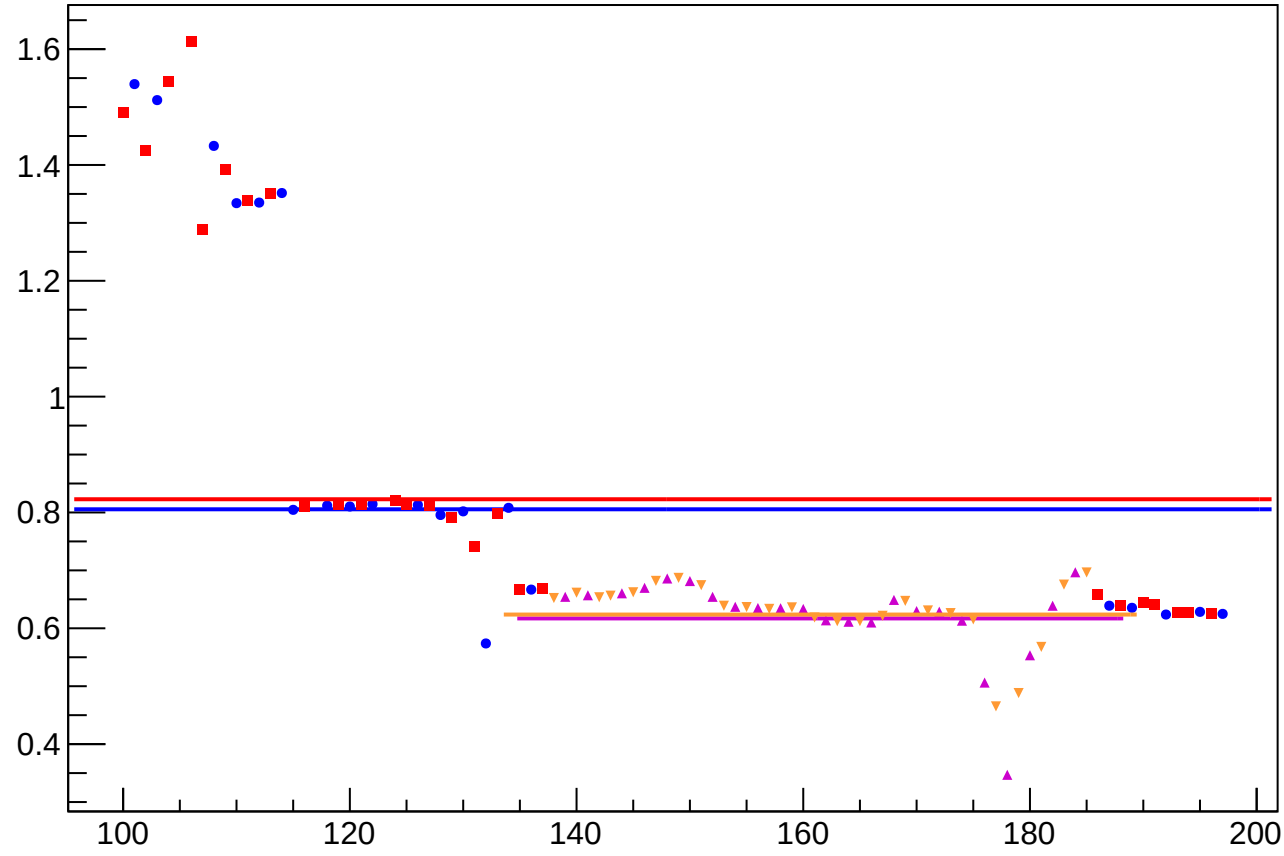
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 5178531.6/45

All: 0.020+/-0.000 χ^2/NDF: 11558592.7/94

- sign 0.020+/-0.000 χ^2/NDF: 6351446.7/48

yield_bpm4acY_mean vs Slug



Right In: 0.805+/-0.000 χ^2/NDF: 3390192297.5/20

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.823+/-0.000 χ^2/NDF: 3658634046.4/25

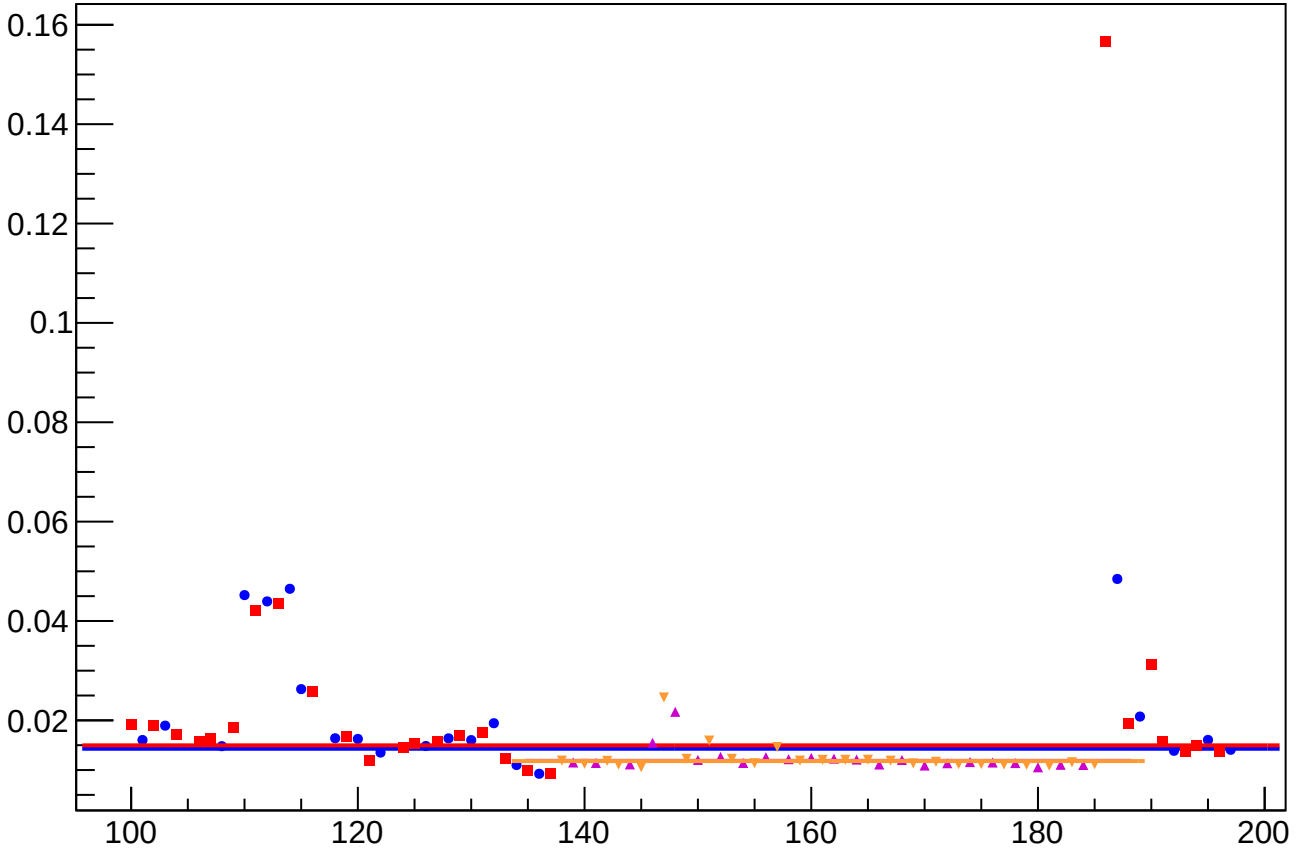
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.669+/-0.000 χ^2/NDF: 4880370404.4/45

All: 0.670+/-0.000 χ^2/NDF: 10575197266.4/9

- sign 0.671+/-0.000 χ^2/NDF: 5694446510.5/48

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1944355.1/20

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2381303.9/25

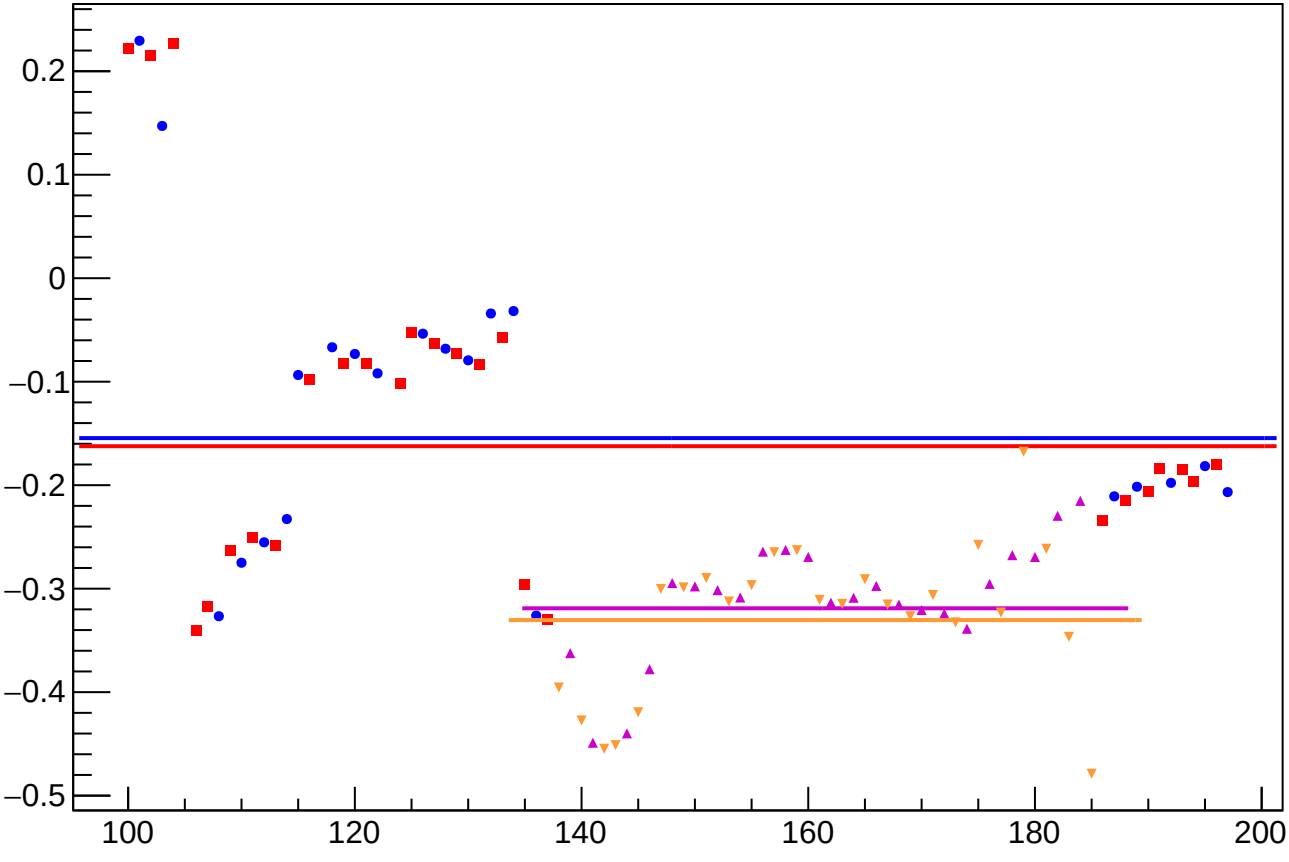
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3024702.4/45

All: 0.013+/-0.000 χ^2/NDF: 6564984.0/94

- sign 0.013+/-0.000 χ^2/NDF: 3530329.9/48

yield_bpm4ecX_mean vs Slug



Right In: -0.155+/-0.000 χ^2/NDF: 275761394.2/20

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.162+/-0.000 χ^2/NDF: 198171917.3/25

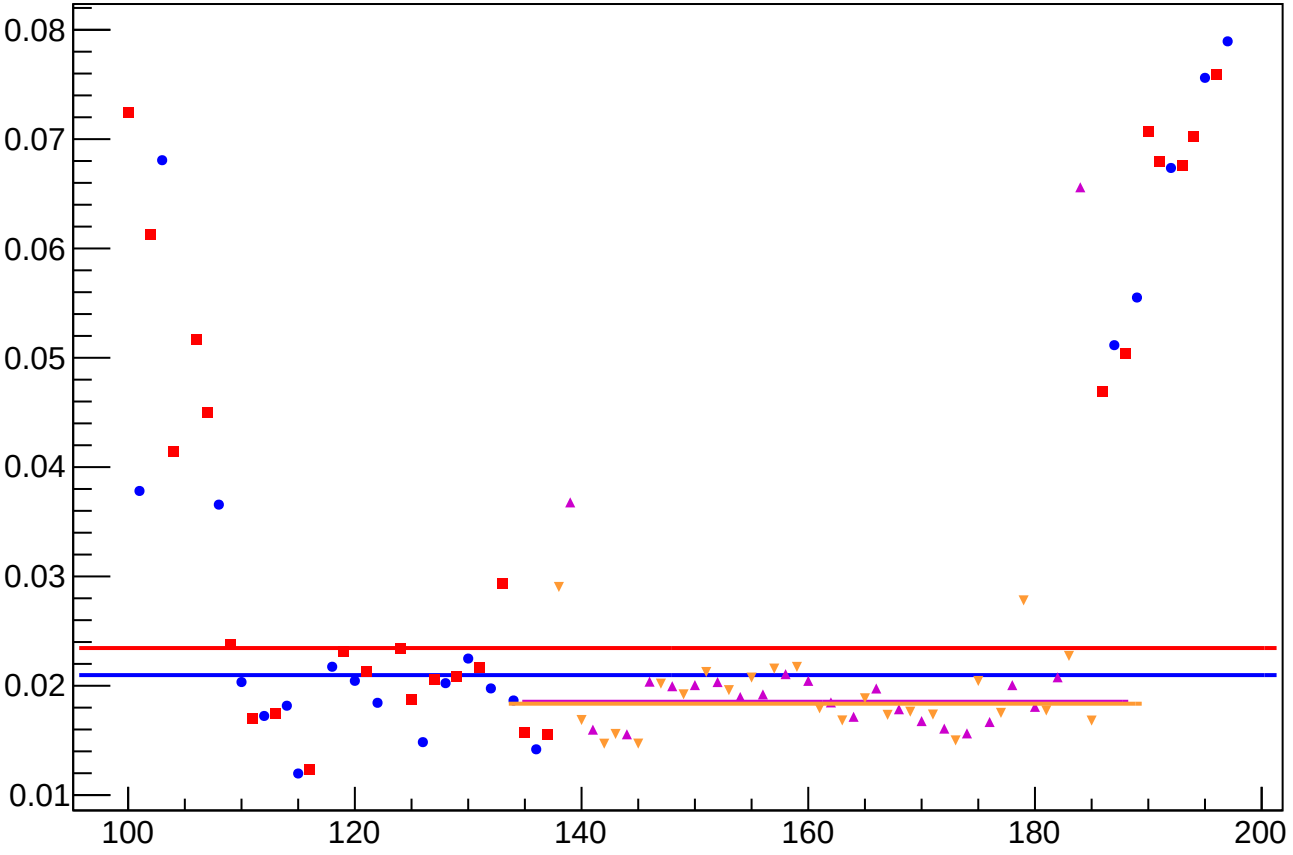
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.285+/-0.000 χ^2/NDF: 819952257.6/45

All: -0.282+/-0.000 χ^2/NDF: 1413652186.6/9

- sign -0.279+/-0.000 χ^2/NDF: 592604603.5/48

yield_bpm4ecX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 4683722.7/20

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.023+/-0.000 χ^2/NDF: 5222747.0/25

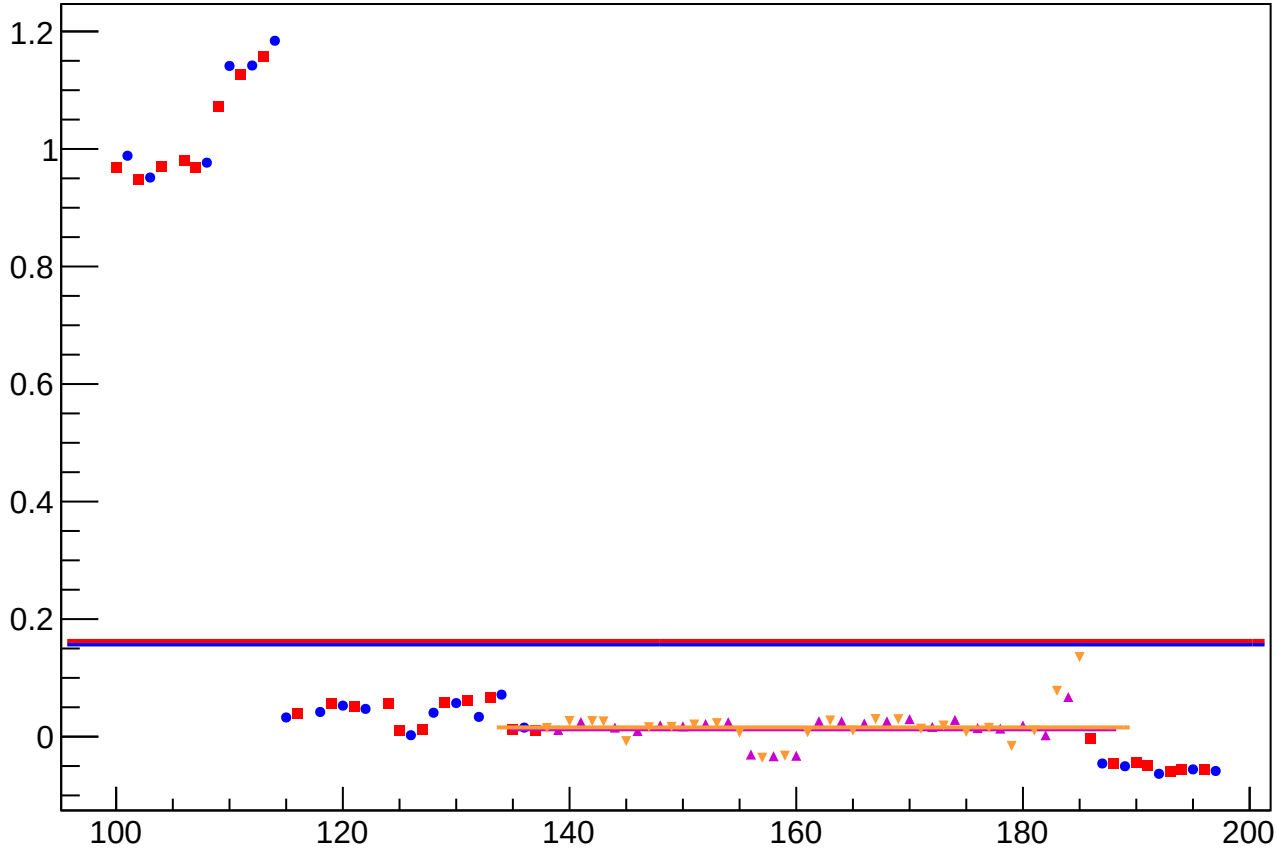
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 5581194.9/45

All: 0.019+/-0.000 χ^2/NDF: 12290321.1/94

- sign 0.020+/-0.000 χ^2/NDF: 6675553.1/48

yield_bpm4ecY_mean vs Slug



Right In: 0.157+/-0.000 χ^2/NDF: 7588493622.1/20

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.163+/-0.000 χ^2/NDF: 8304153406.6/25

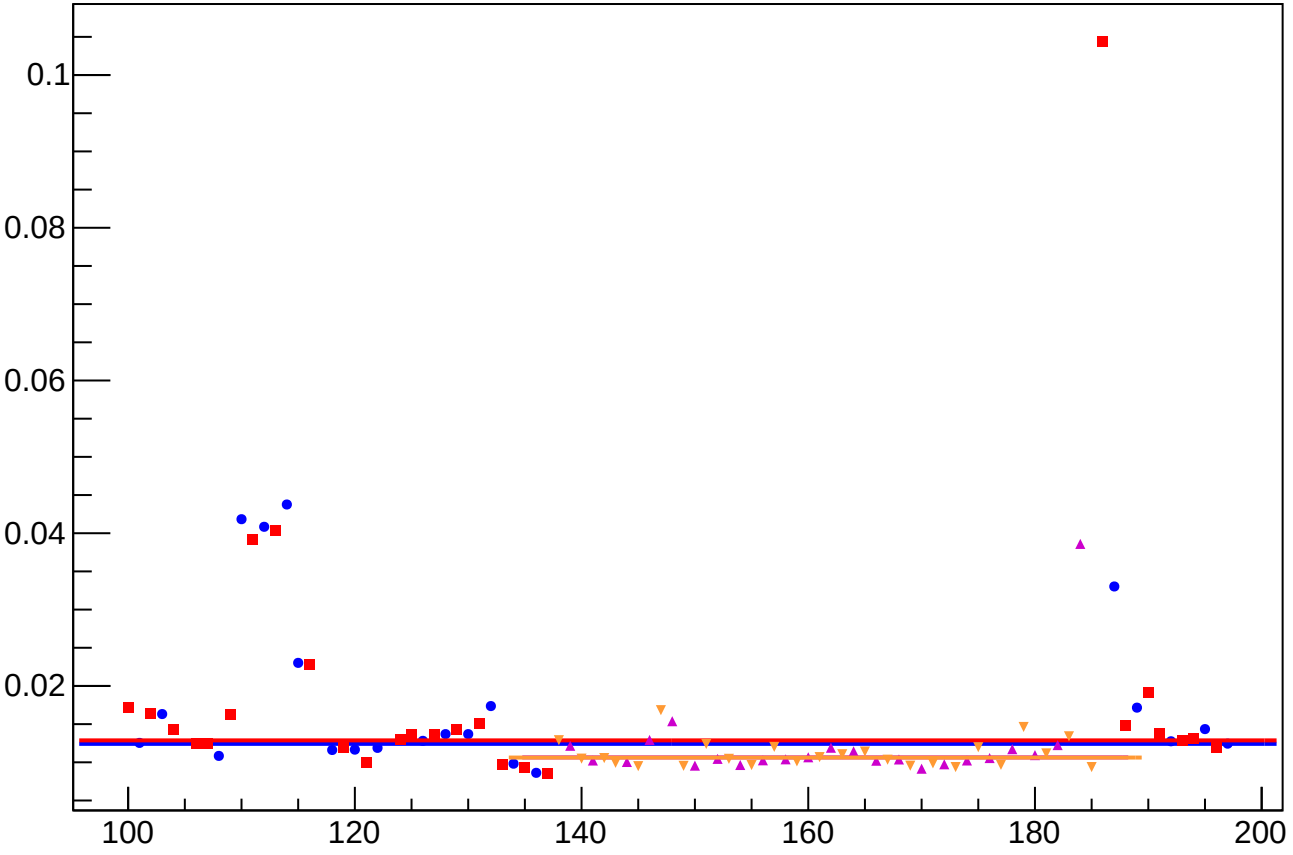
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.054+/-0.000 χ^2/NDF: 8547186685.7/45

All: 0.055+/-0.000 χ^2/NDF: 17885543341.6/9

- sign 0.056+/-0.000 χ^2/NDF: 9338054225.0/48

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1728320.3/20

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2103260.8/25

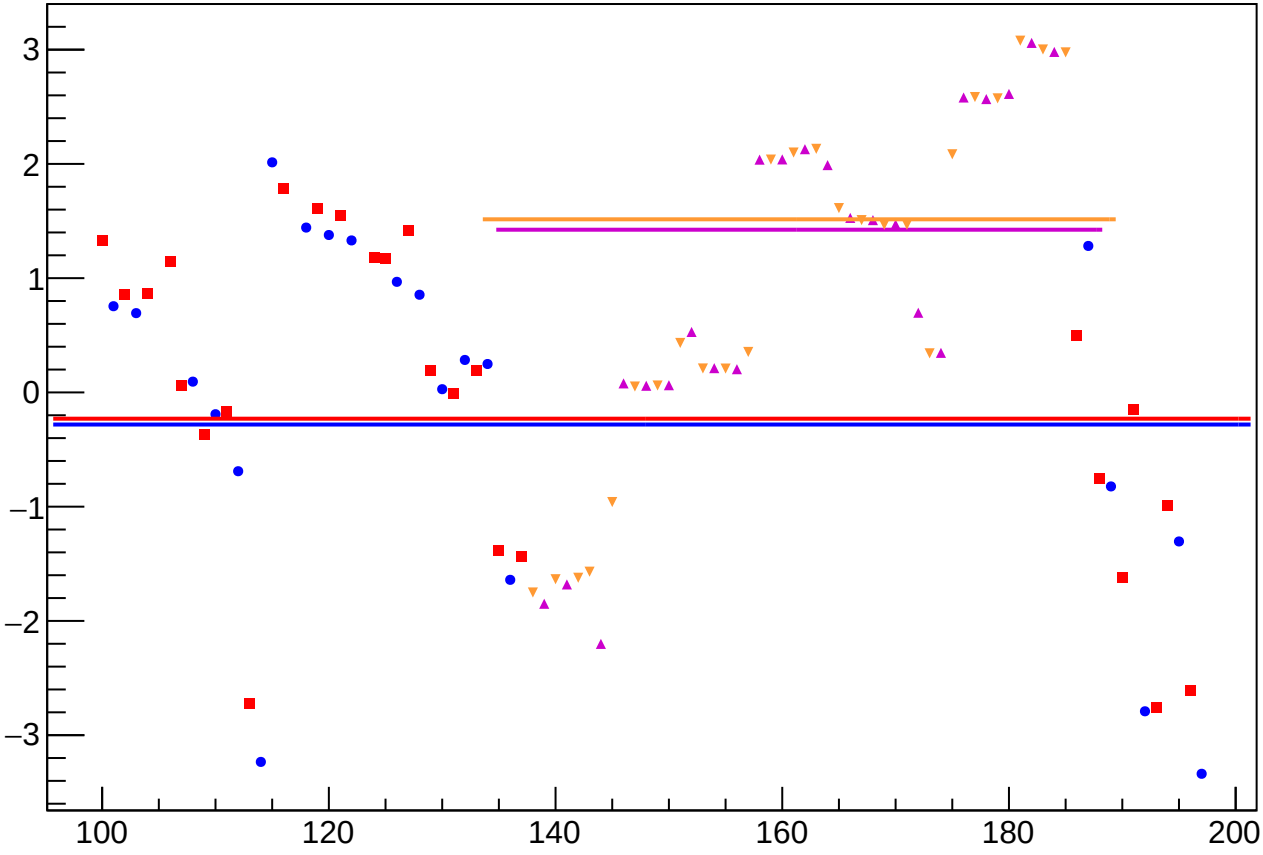
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2626616.2/45

All: 0.011+/-0.000 χ^2/NDF: 5736904.4/94

- sign 0.011+/-0.000 χ^2/NDF: 3103862.0/48

yield_bpm1X_mean vs Slug



Right In: -0.281+/-0.000 χ^2/NDF: 5656642588.9/20

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.230+/-0.000 χ^2/NDF: 5061354091.3/25

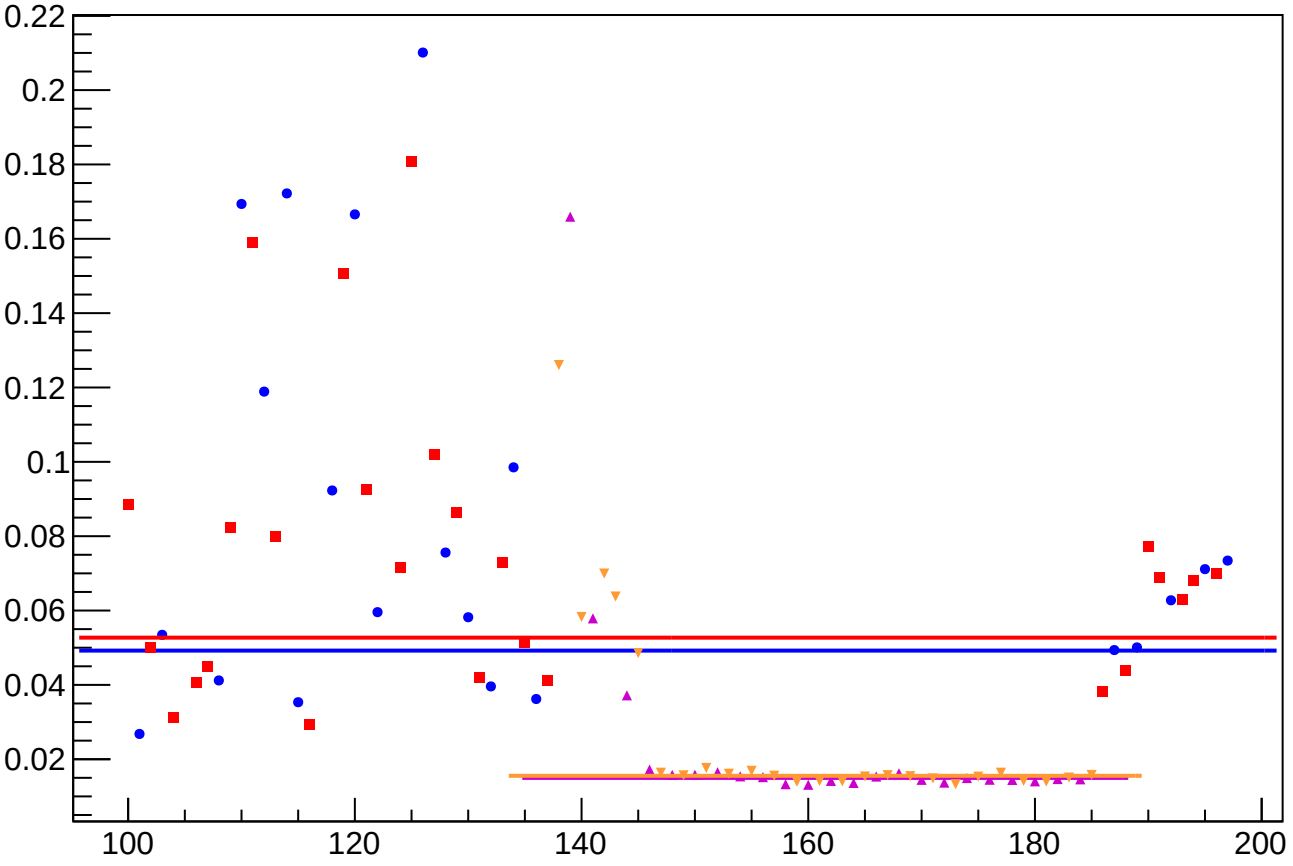
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.436+/-0.000 χ^2/NDF: 82007307900.5/45

All: 1.392+/-0.000 χ^2/NDF: 163165676524.3

- sign 1.348+/-0.000 χ^2/NDF: 80907644019.9/48

yield_bpm1X_rms vs Slug



Right In: 0.049+/-0.000 χ^2/NDF: 3308601.6/20

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

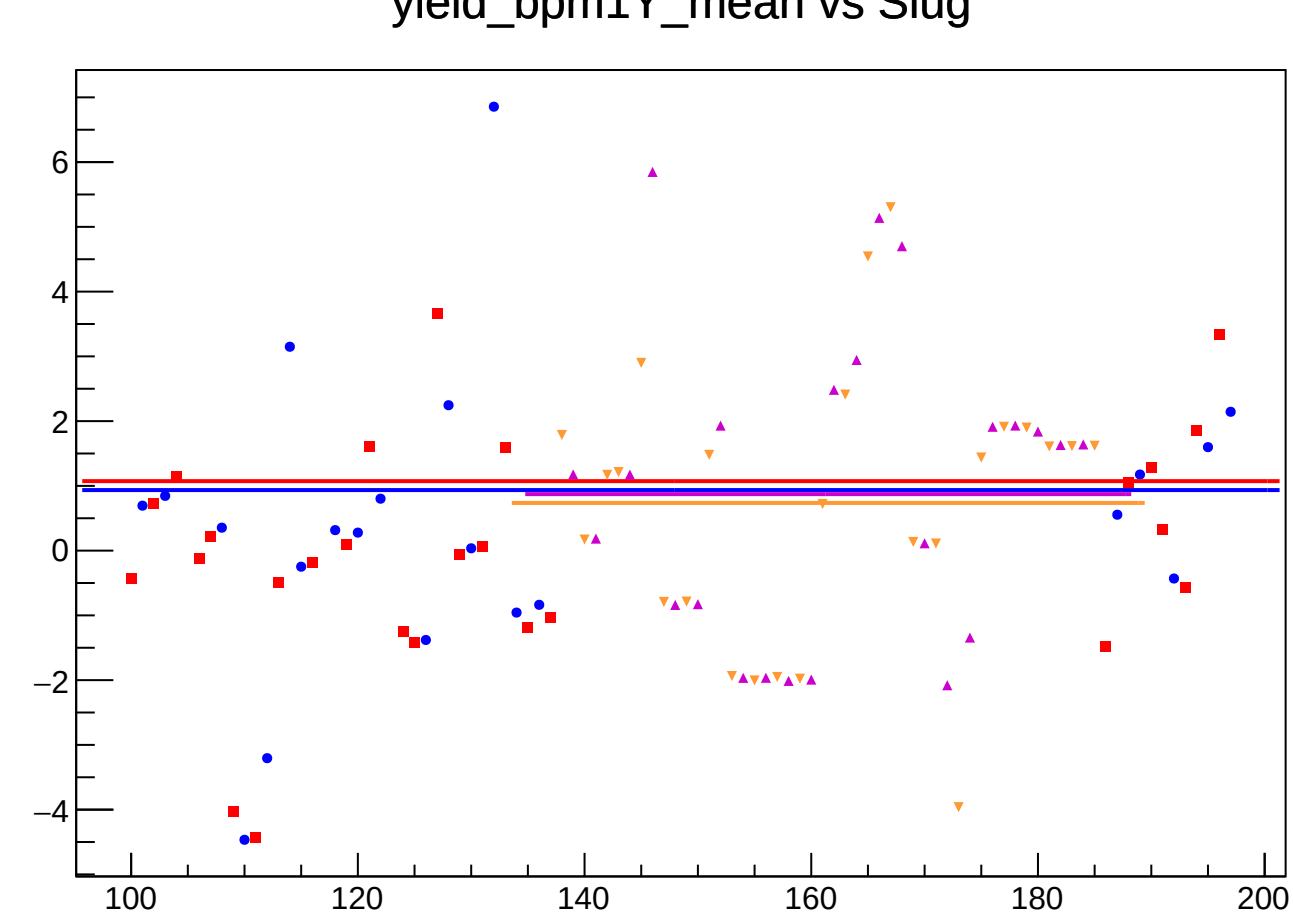
Right Out: 0.053+/-0.000 χ^2/NDF: 2858279.2/25

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.017+/-0.000 χ^2/NDF: 12311692.4/45

All: 0.017+/-0.000 χ^2/NDF: 25477588.8/94

- sign 0.017+/-0.000 χ^2/NDF: 13159625.0/48



Right In: 0.935+/-0.000 χ^2/NDF: 19631976552.8/20

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.073+/-0.000 χ^2/NDF: 24056734772.0/25

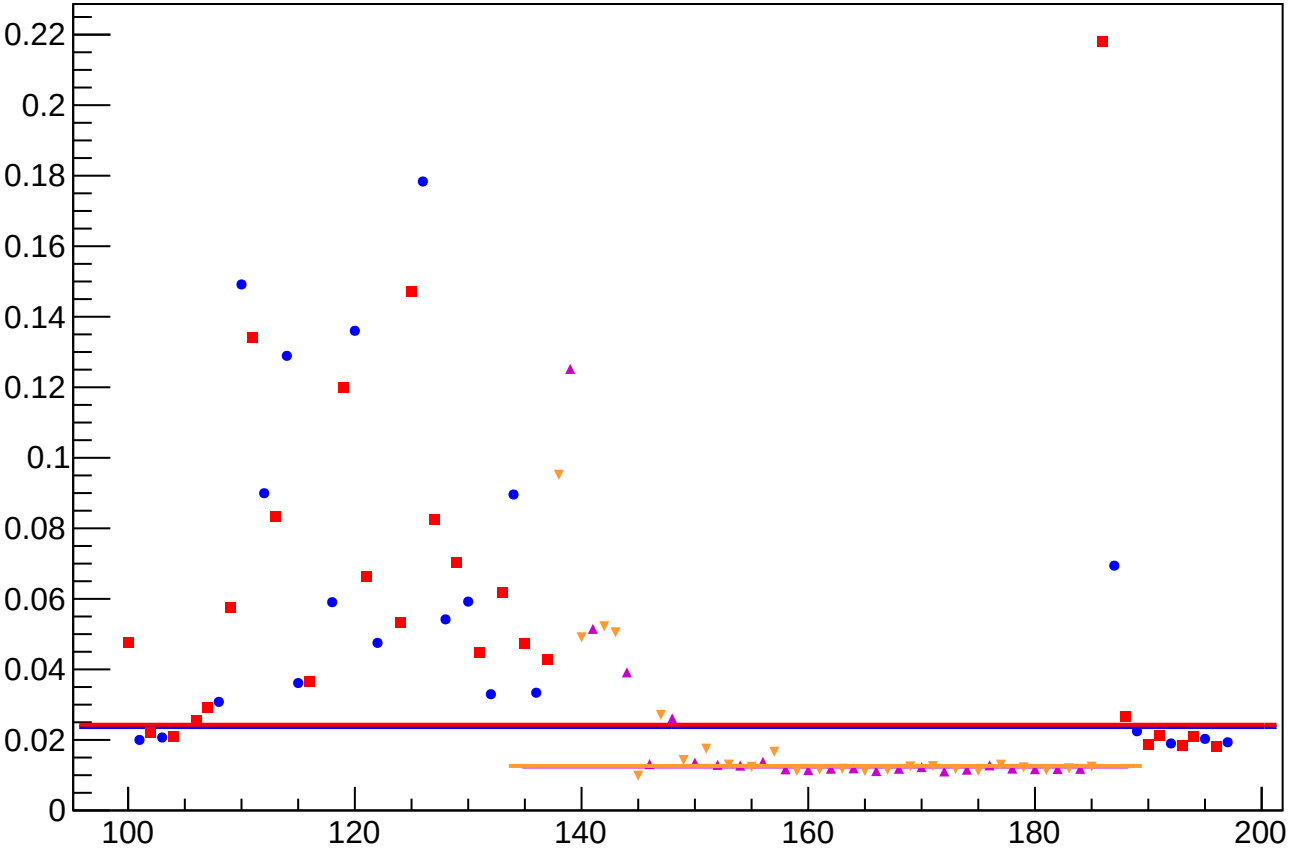
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.757+/-0.000 χ^2/NDF: 555990668905.4/45

All: 0.826+/-0.000 χ^2/NDF: 1201699260208.

- sign 0.894+/-0.000 χ^2/NDF: 644656103571.9/48

yield_bpm1Y_rms vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 3844708.5/20

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.024+/-0.000 χ^2/NDF: 4836734.6/25

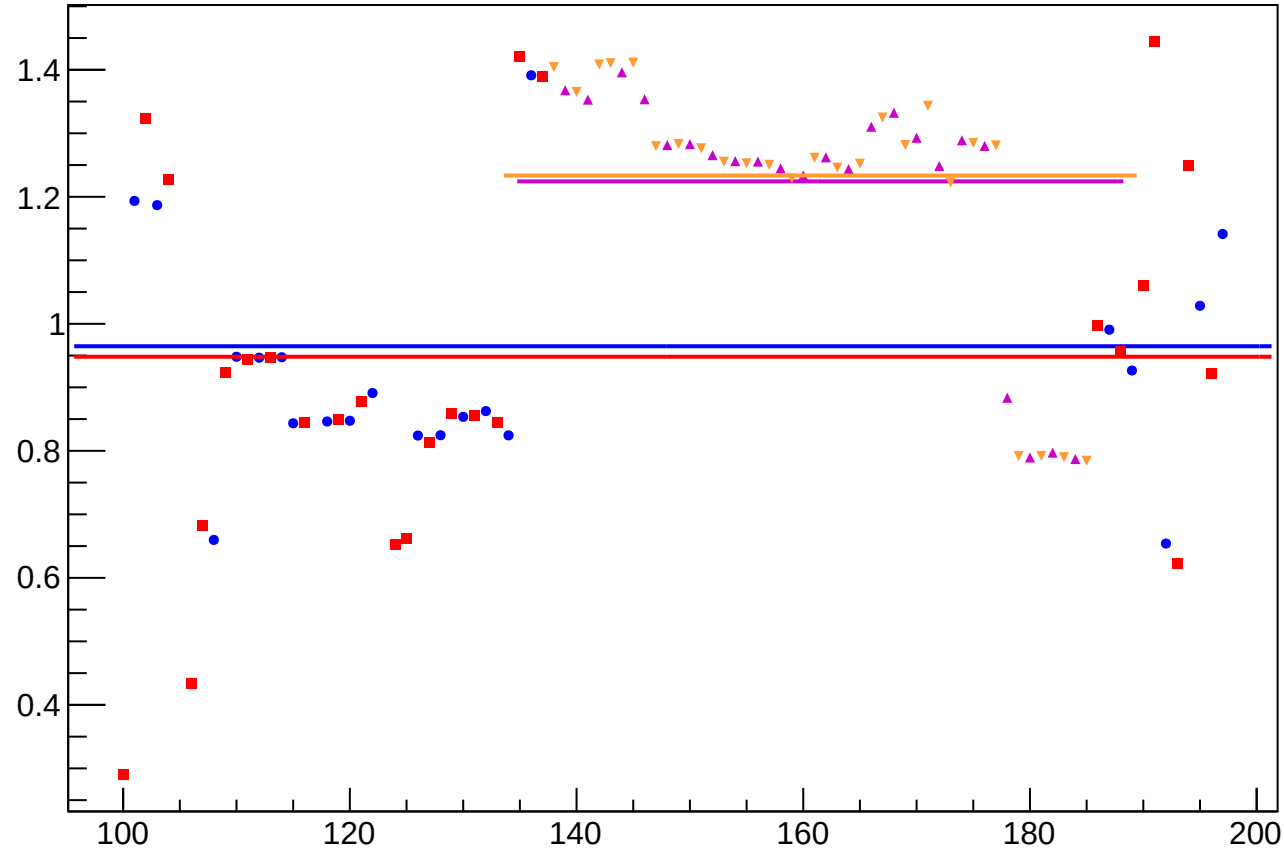
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9482116.4/45

All: 0.014+/-0.000 χ^2/NDF: 20127325.6/94

- sign 0.014+/-0.000 χ^2/NDF: 10645179.7/48

yield_bpm11X_mean vs Slug



Right In: 0.965+/-0.000 χ^2/NDF: 1602707562.7/20

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.948+/-0.000 χ^2/NDF: 1930407189.1/25

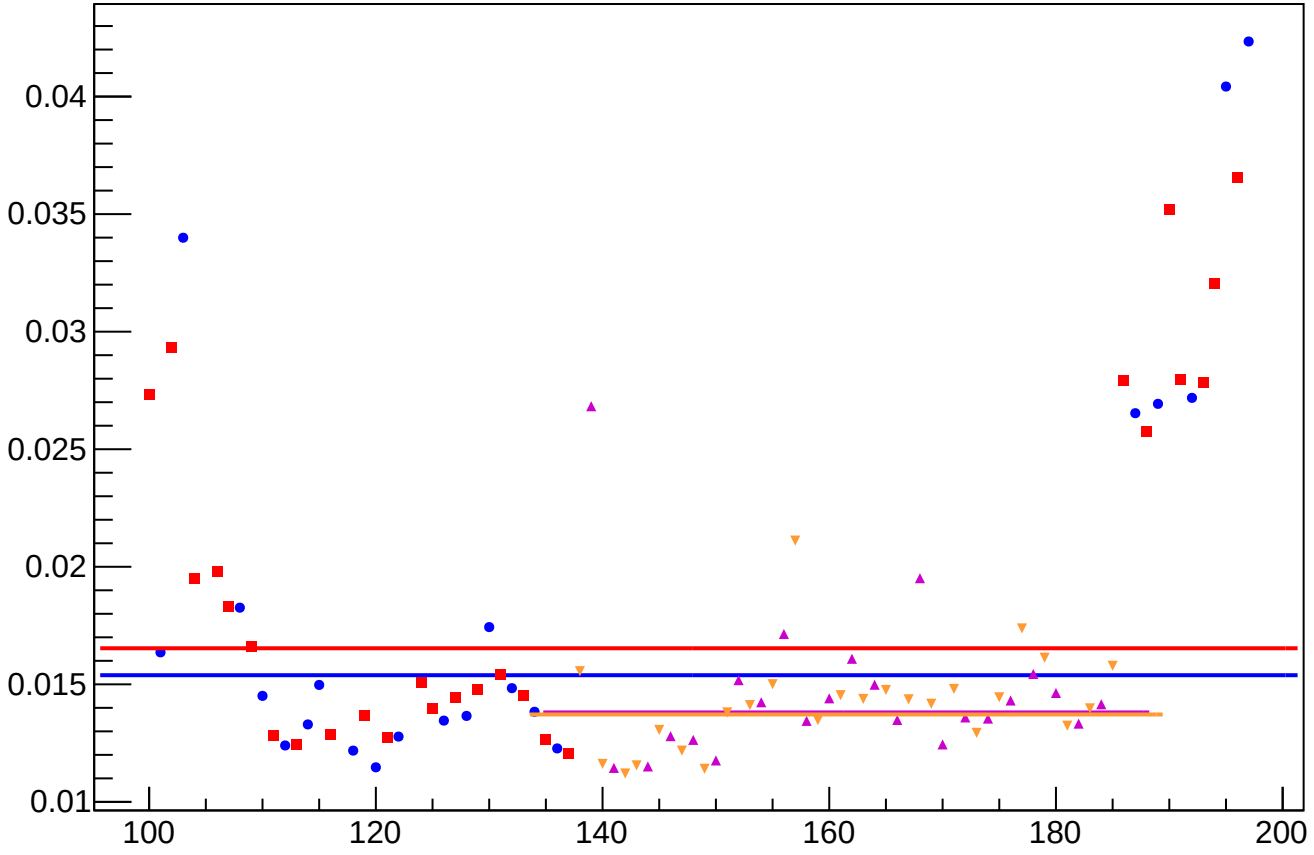
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.158+/-0.000 χ^2/NDF: 6487090477.7/45

All: 1.151+/-0.000 χ^2/NDF: 12989810378.4/9

- sign 1.143+/-0.000 χ^2/NDF: 6490174389.3/48

yield_bpm11X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2580093.8/20

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.017+/-0.000 χ^2/NDF: 2530358.0/25

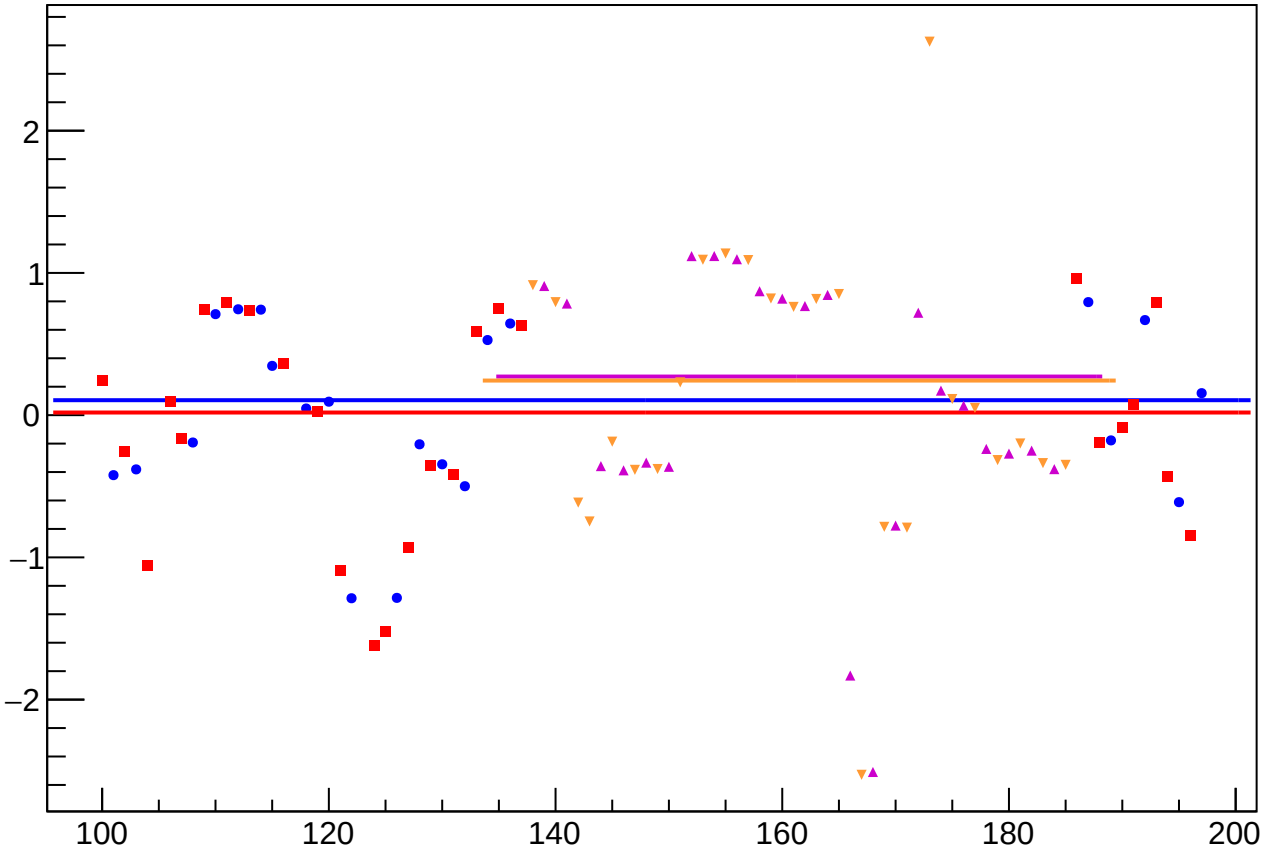
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 3273041.2/45

All: 0.014+/-0.000 χ^2/NDF: 7067224.3/94

- sign 0.015+/-0.000 χ^2/NDF: 3772937.9/48

yield_bpm11Y_mean vs Slug



Right In: 0.105+/-0.000 χ^2/NDF: 16872480422.2/20

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.019+/-0.000 χ^2/NDF: 27366422224.6/25

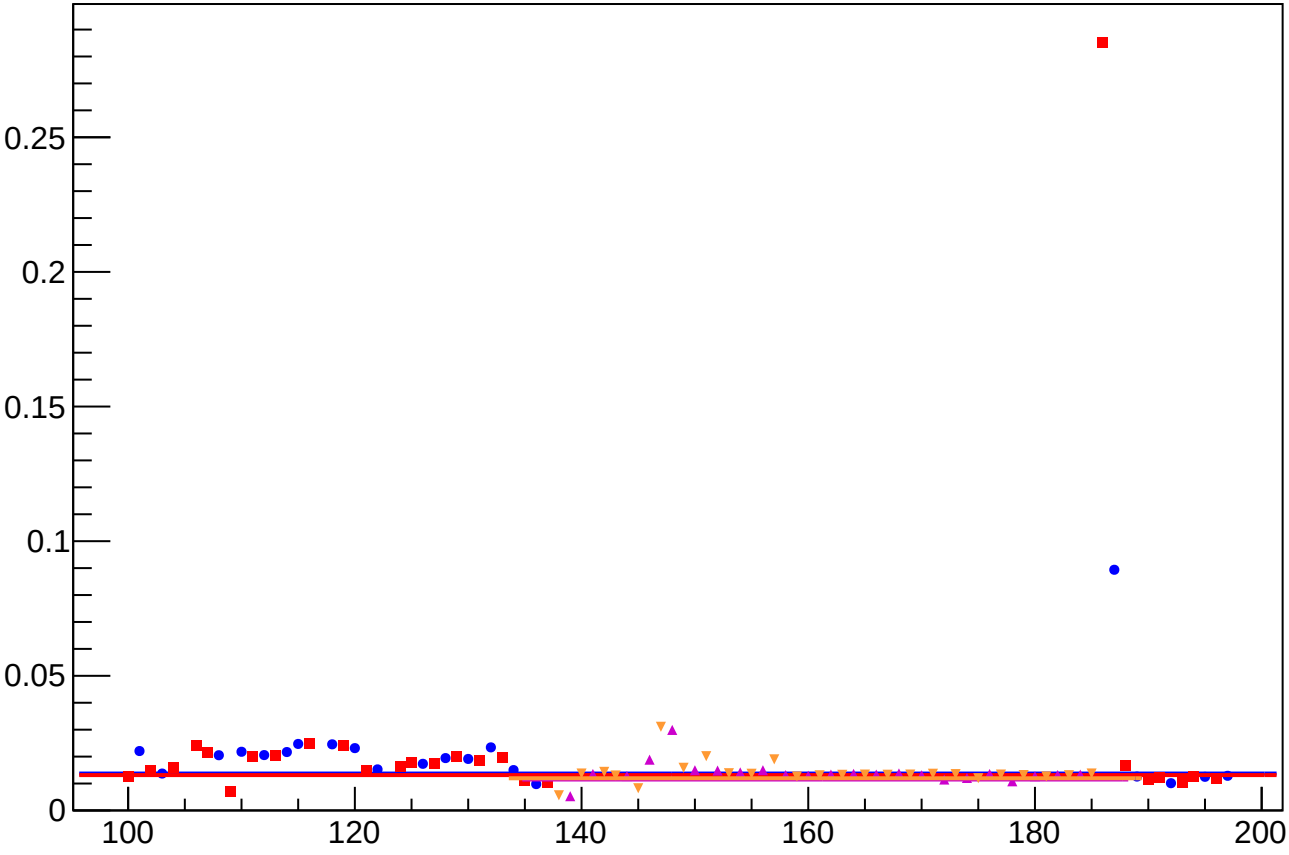
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.204+/-0.000 χ^2/NDF: 123095139544.7/45

All: 0.198+/-0.000 χ^2/NDF: 243344022715.9

- sign 0.192+/-0.000 χ^2/NDF: 120235809716.0/48

yield_bpm11Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1965741.3/20

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2636875.7/25

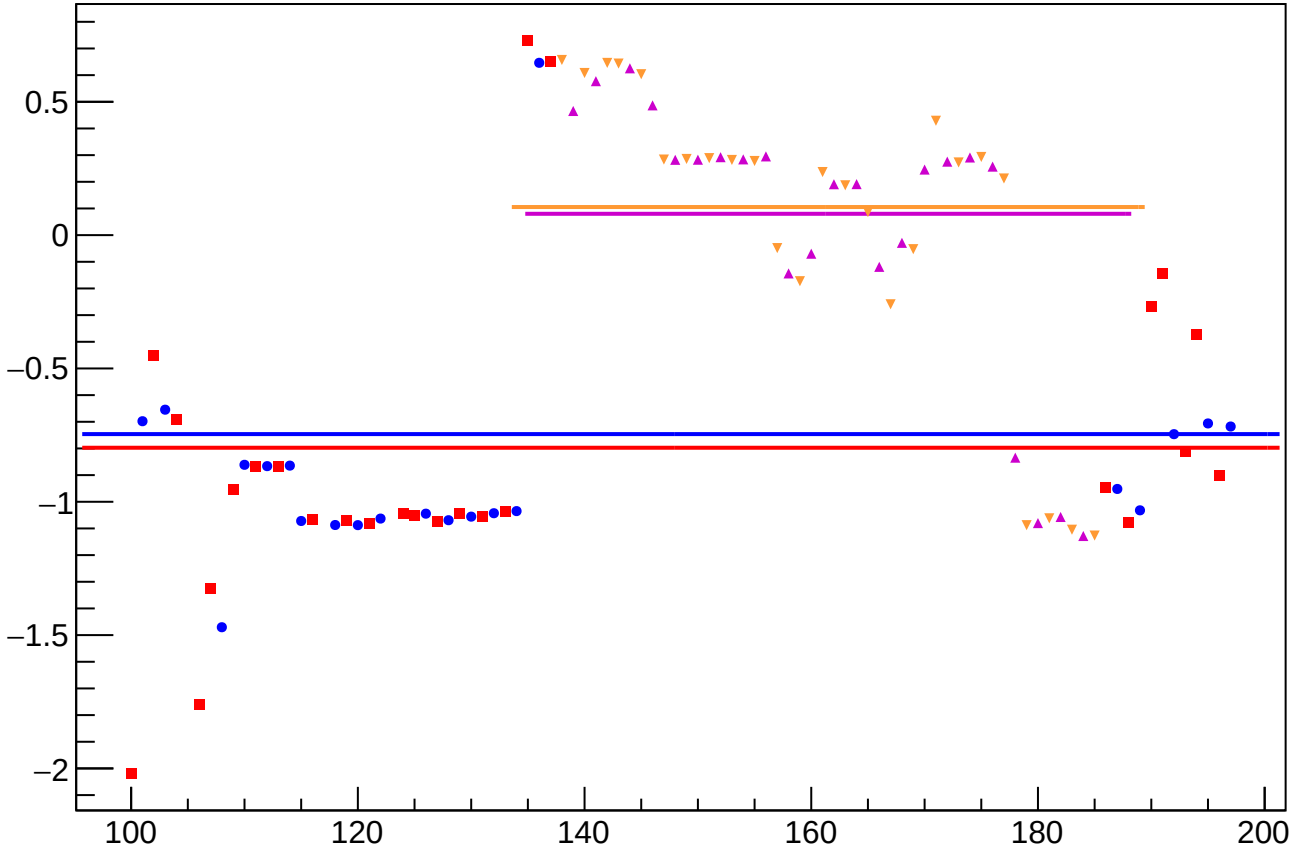
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5436338.8/45

All: 0.012+/-0.000 χ^2/NDF: 11977271.7/94

- sign 0.012+/-0.000 χ^2/NDF: 6508702.5/48

yield_bpm12X_mean vs Slug



Right In: -0.746+/-0.000 χ^2/NDF: 2087569832.3/20

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.797+/-0.000 χ^2/NDF: 1975424226.0/25

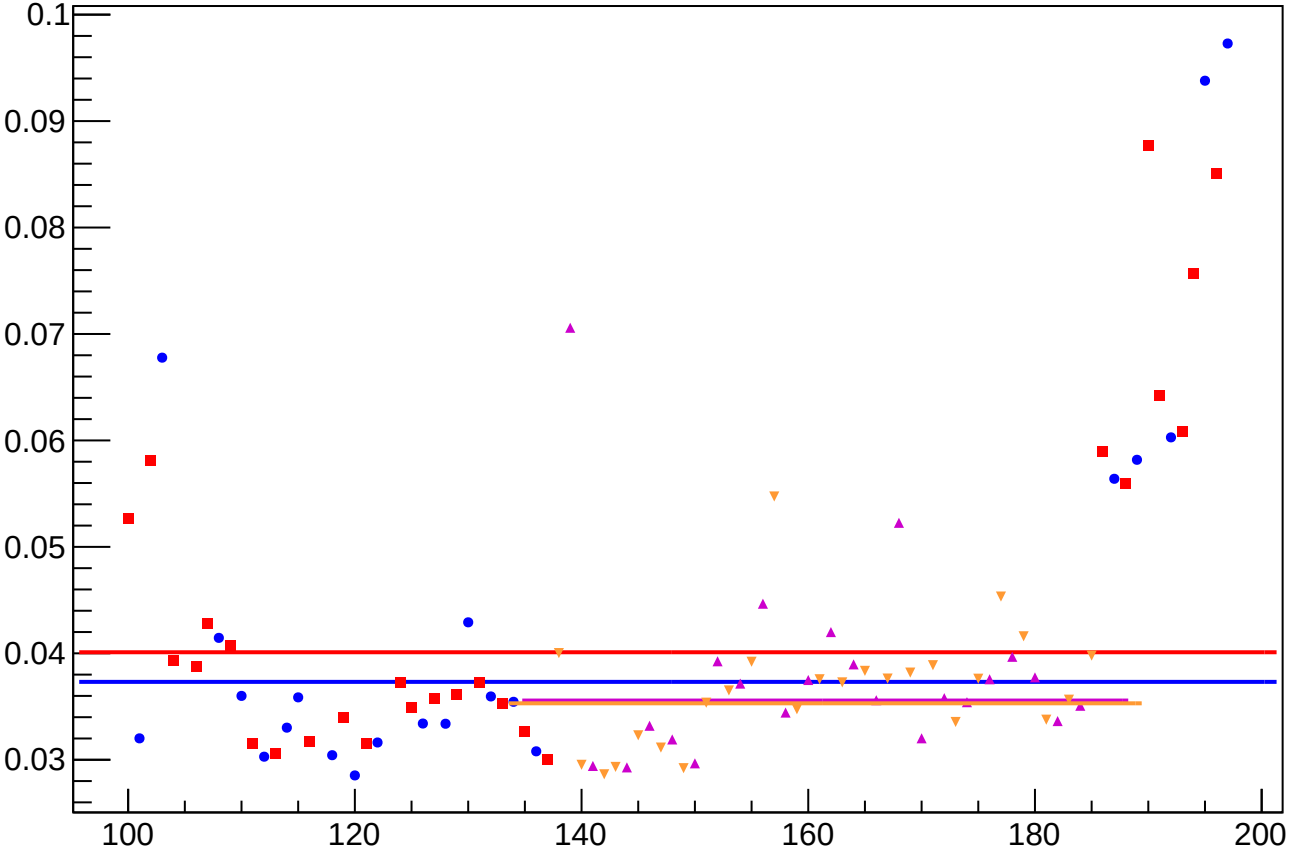
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.162+/-0.000 χ^2/NDF: 8951930357.5/45

All: -0.184+/-0.000 χ^2/NDF: 17401734061.8/

- sign -0.206+/-0.000 χ^2/NDF: 8431935010.8/48

yield_bpm12X_rms vs Slug



Right In: 0.037+/-0.000 χ^2/NDF: 2182366.9/20

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.040+/-0.000 χ^2/NDF: 1996888.3/25

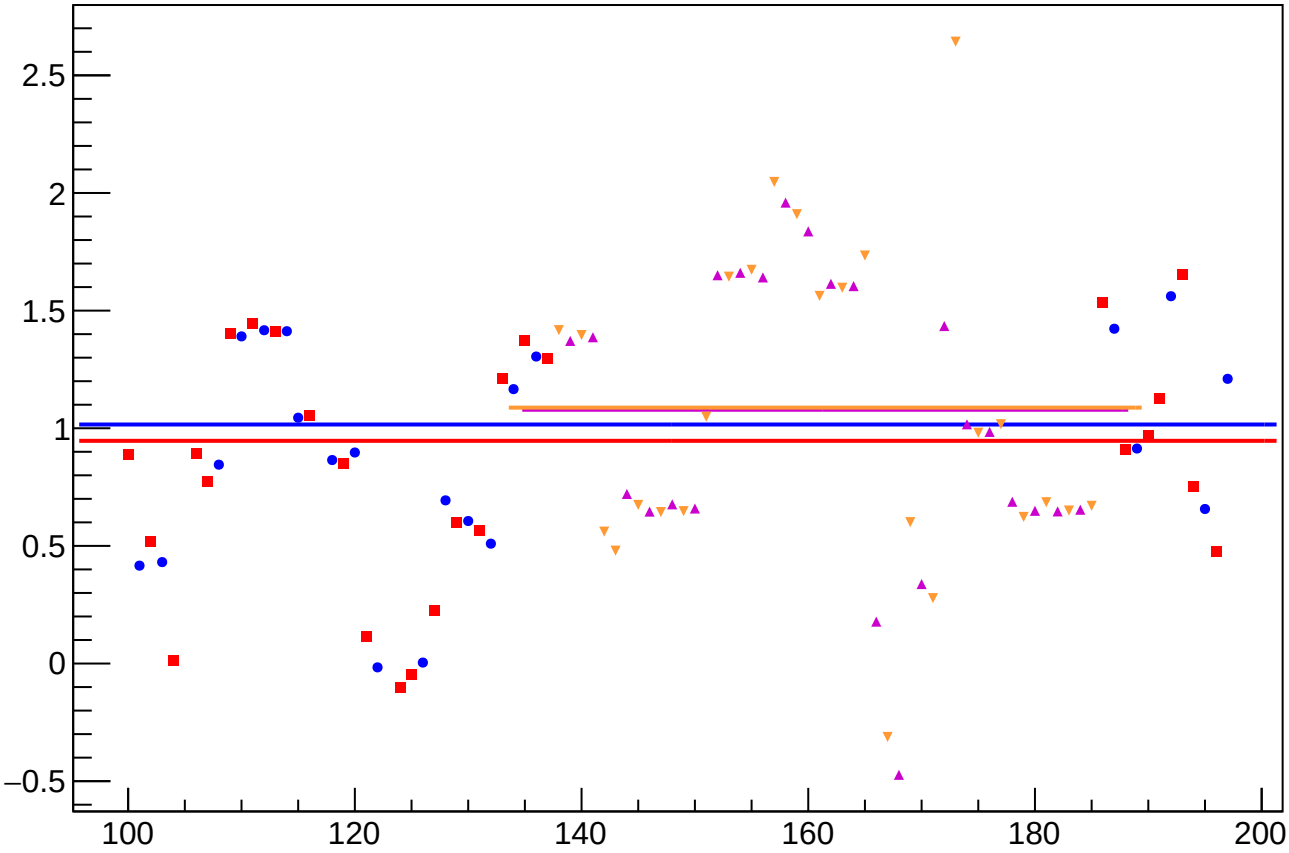
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.036+/-0.000 χ^2/NDF: 2829440.7/45

All: 0.036+/-0.000 χ^2/NDF: 5980619.4/94

- sign 0.037+/-0.000 χ^2/NDF: 3127763.3/48

yield_bpm12Y_mean vs Slug



Right In: 1.016+/-0.000 χ^2/NDF: 20600506572.6/20

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.947+/-0.000 χ^2/NDF: 27781370310.9/25

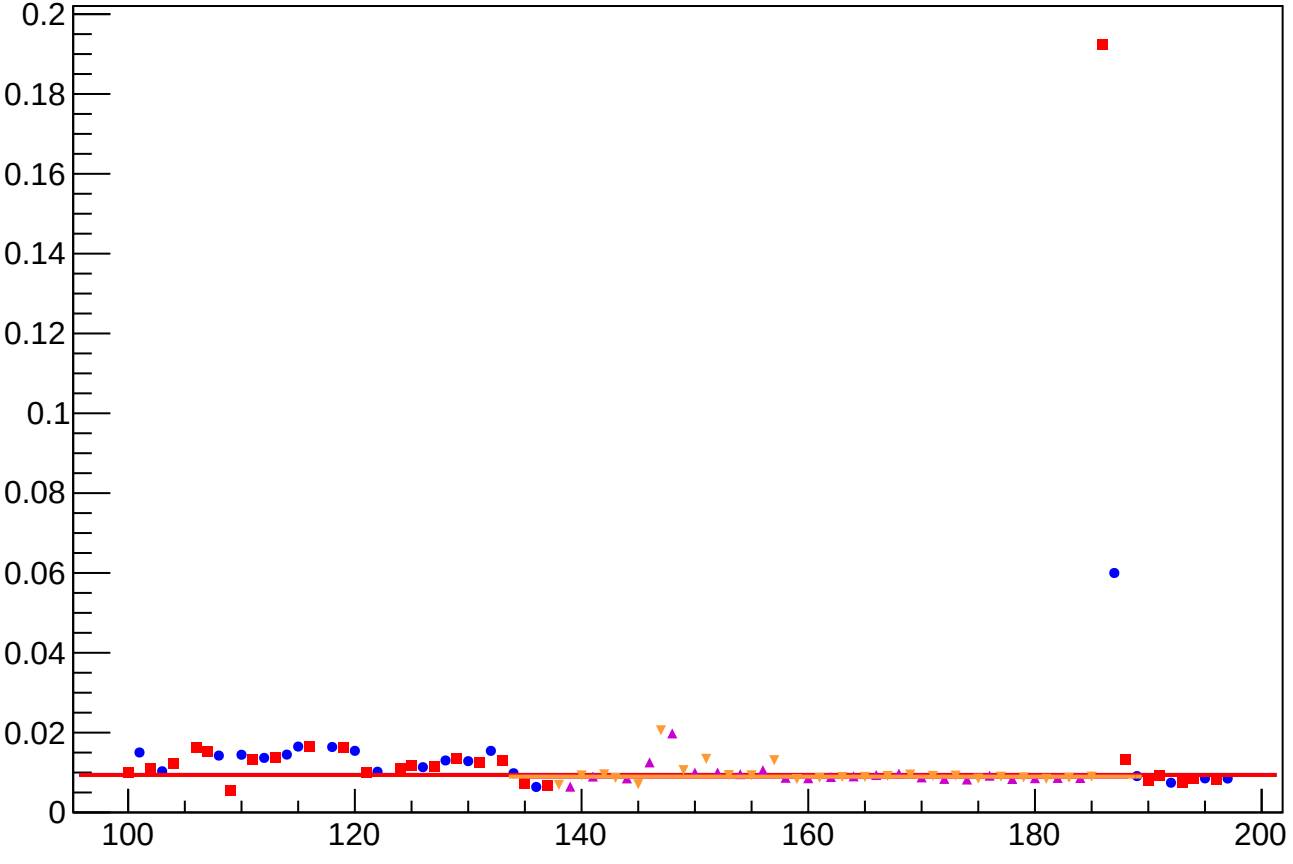
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.066+/-0.000 χ^2/NDF: 114806352588.4/45

All: 1.050+/-0.000 χ^2/NDF: 218083279117.4

- sign 1.034+/-0.000 χ^2/NDF: 103115194455.6/48

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1866714.7/20

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

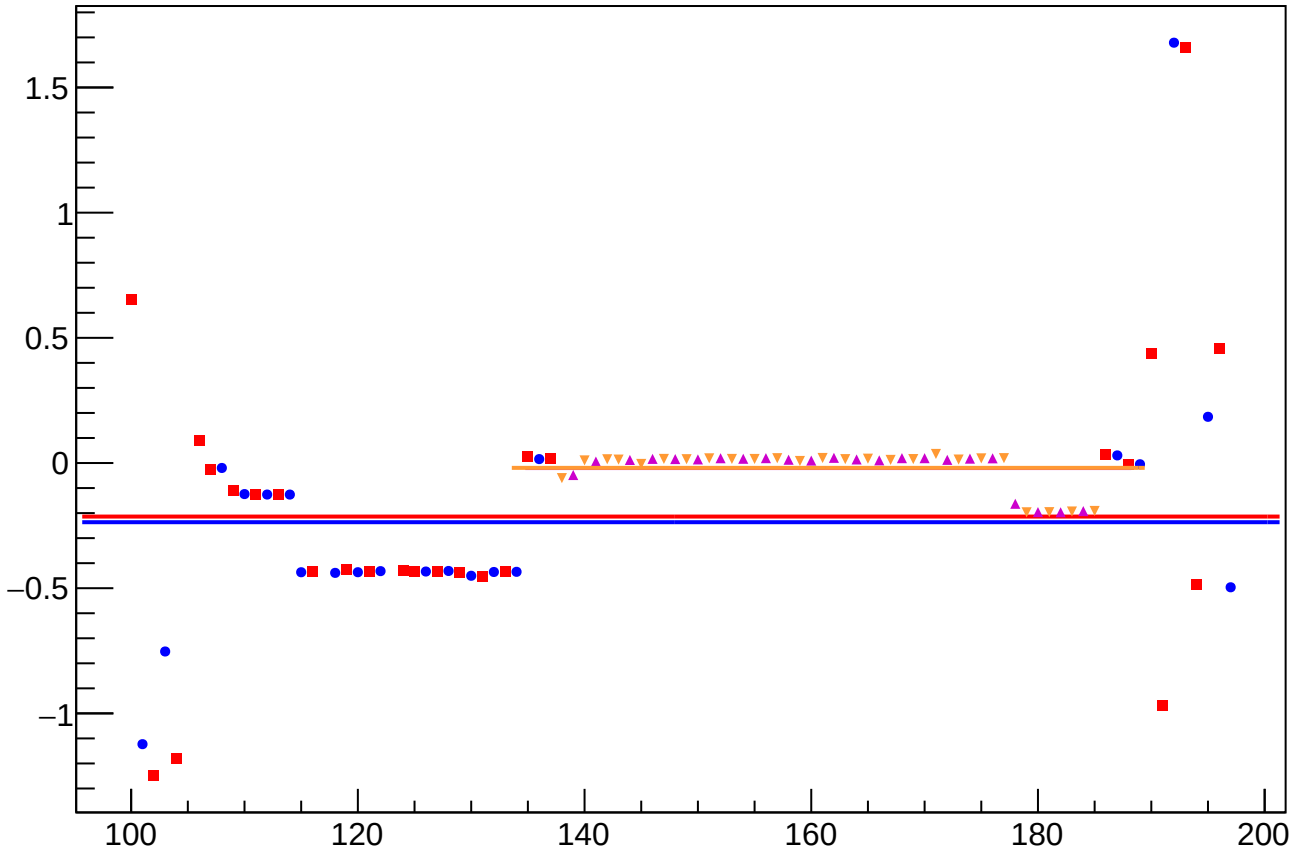
Right Out: 0.009+/-0.000 χ^2/NDF: 2355950.8/25

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3039408.3/45

All: 0.009+/-0.000 χ^2/NDF: 6389721.5/94

- sign 0.009+/-0.000 χ^2/NDF: 3350274.8/48



Right In: -0.236+/-0.000 χ^2/NDF: 3028033751.0/20

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.214+/-0.000 χ^2/NDF: 2681811881.7/25

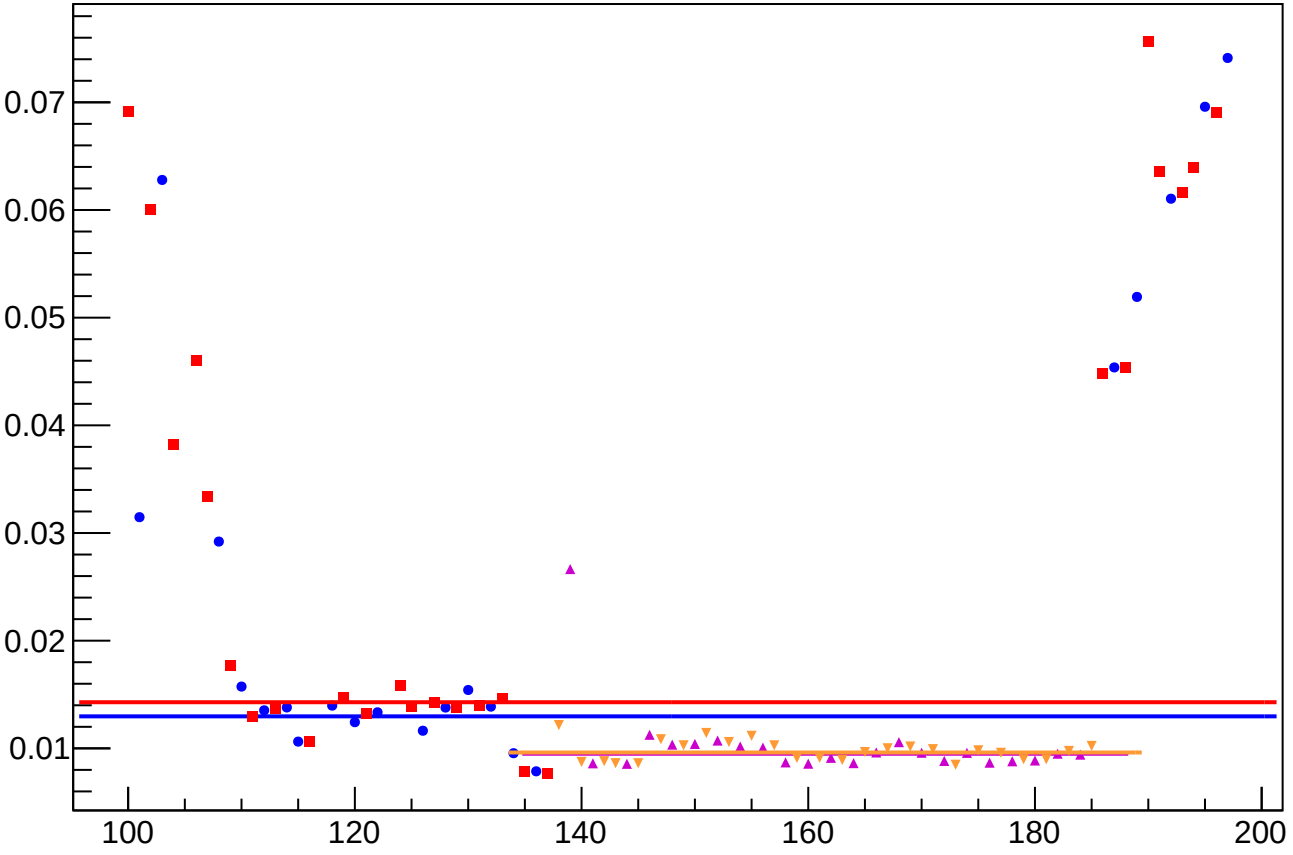
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.056+/-0.000 χ^2/NDF: 5507758268.3/45

All: -0.054+/-0.000 χ^2/NDF: 10214312430.9/

- sign -0.052+/-0.000 χ^2/NDF: 4704541227.2/48

yield_bpm16X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 6104451.3/20

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.014+/-0.000 χ^2/NDF: 7234729.9/25

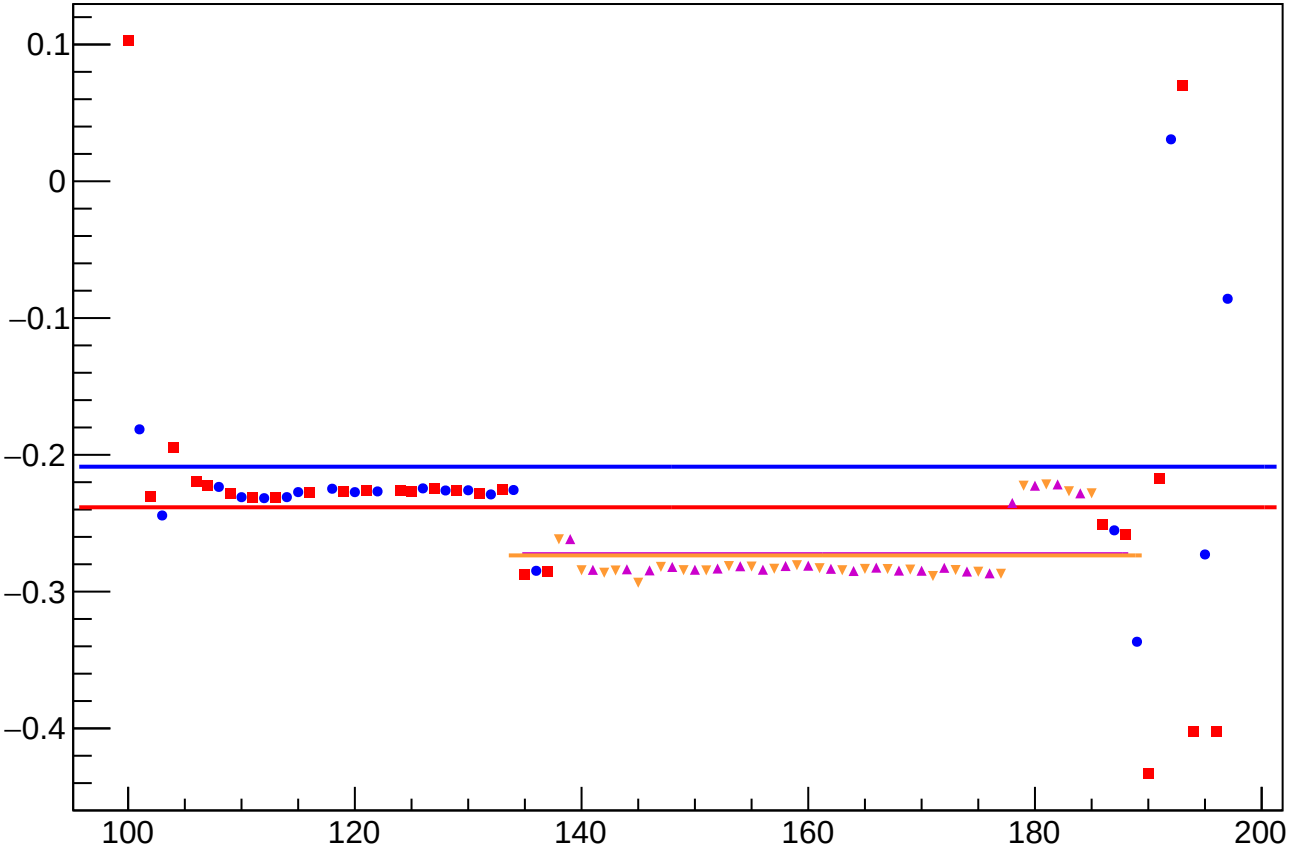
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 7055767.8/45

All: 0.010+/-0.000 χ^2/NDF: 16459874.1/94

- sign 0.010+/-0.000 χ^2/NDF: 9402215.8/48

yield_bpm16Y_mean vs Slug



Right In: -0.209+/-0.000 χ^2/NDF: 2586390724.0/20

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.238+/-0.000 χ^2/NDF: 4085413158.9/25

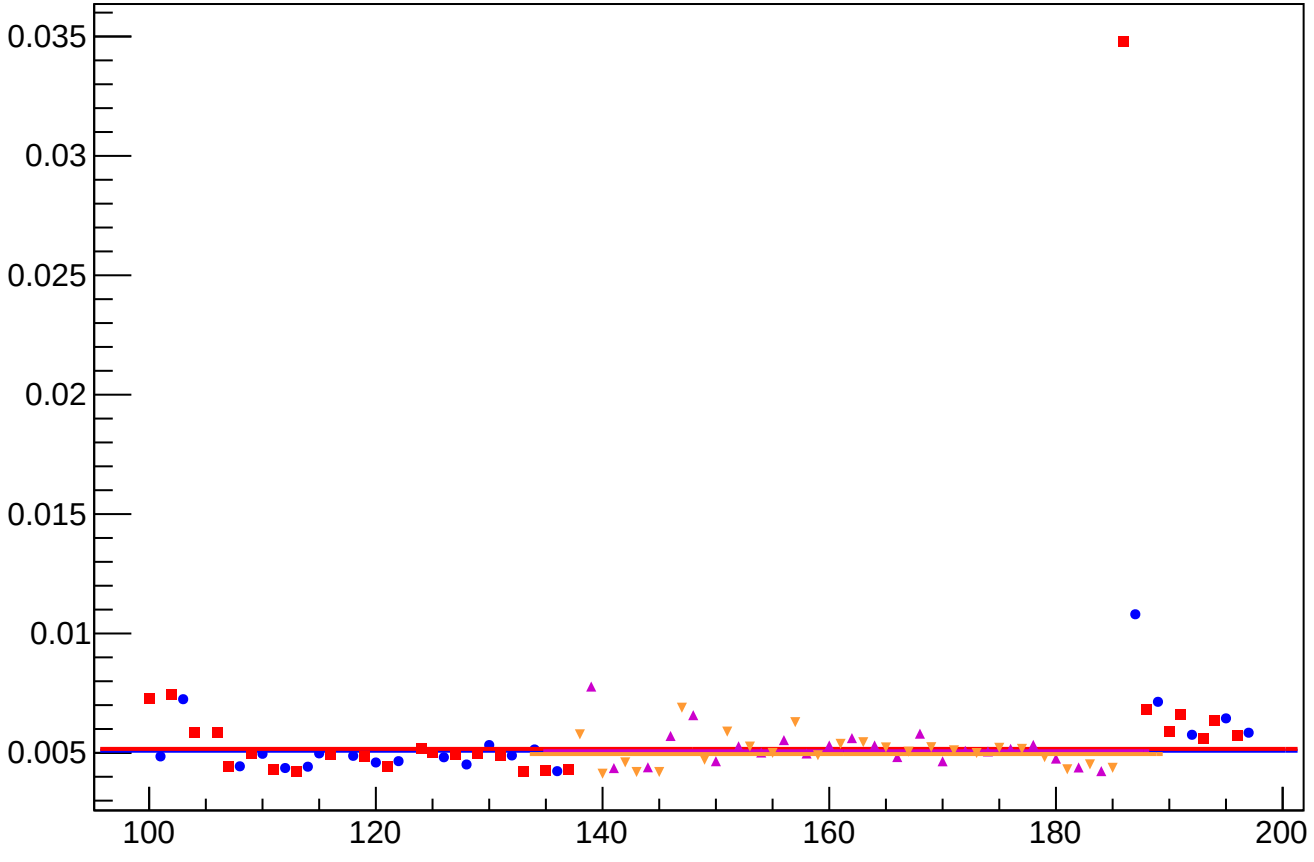
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.252+/-0.000 χ^2/NDF: 4009768409.9/45

All: -0.256+/-0.000 χ^2/NDF: 8754434263.3/9

- sign -0.260+/-0.000 χ^2/NDF: 4710900745.3/48

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 555579.2/20

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

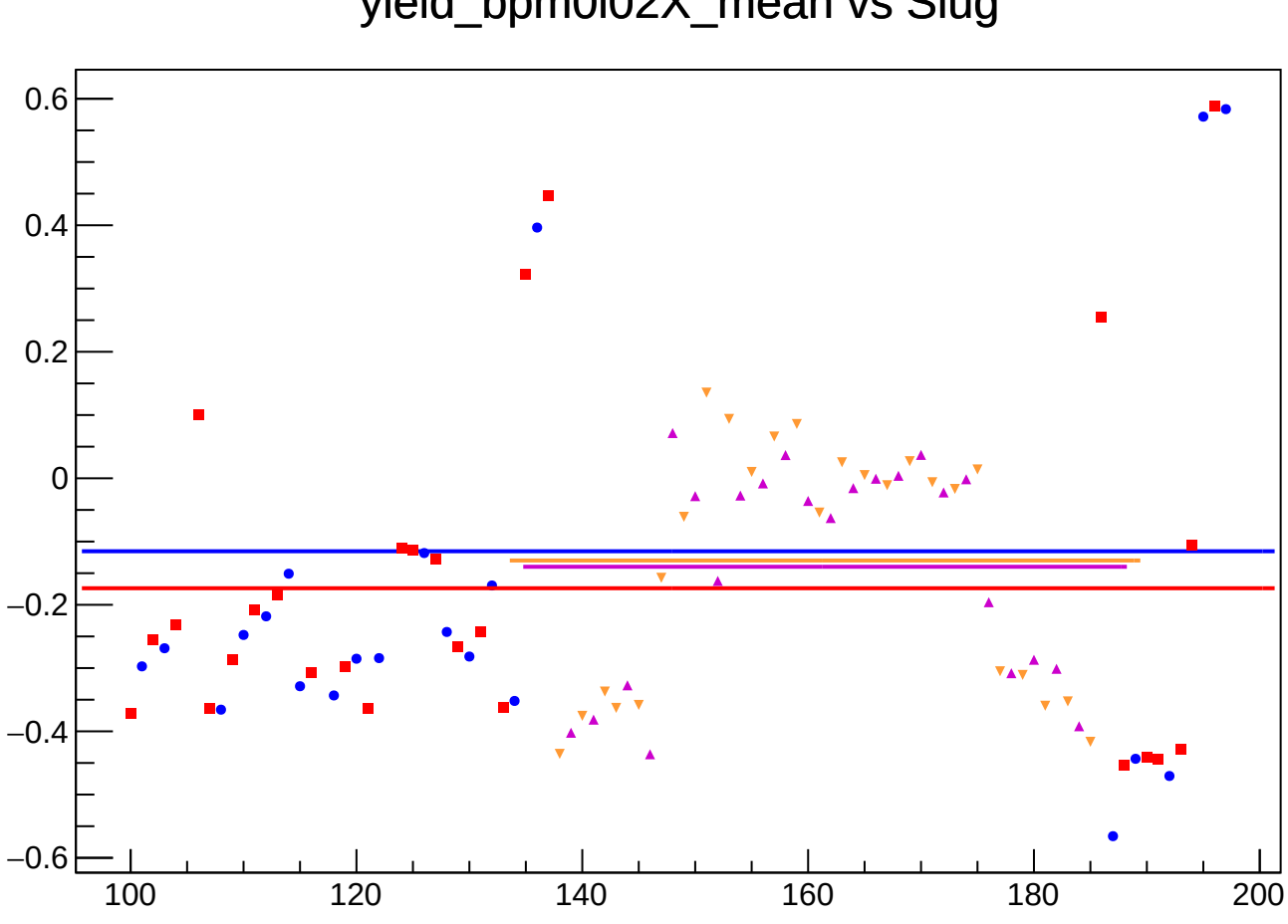
Right Out: 0.005+/-0.000 χ^2/NDF: 1146470.9/25

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 1093890.9/45

All: 0.005+/-0.000 χ^2/NDF: 2797234.6/94

- sign 0.005+/-0.000 χ^2/NDF: 1690866.0/48



Right In: -0.115+/-0.000 χ^2/NDF: 30134346493.7/20

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.174+/-0.000 χ^2/NDF: 20979556146.8/25

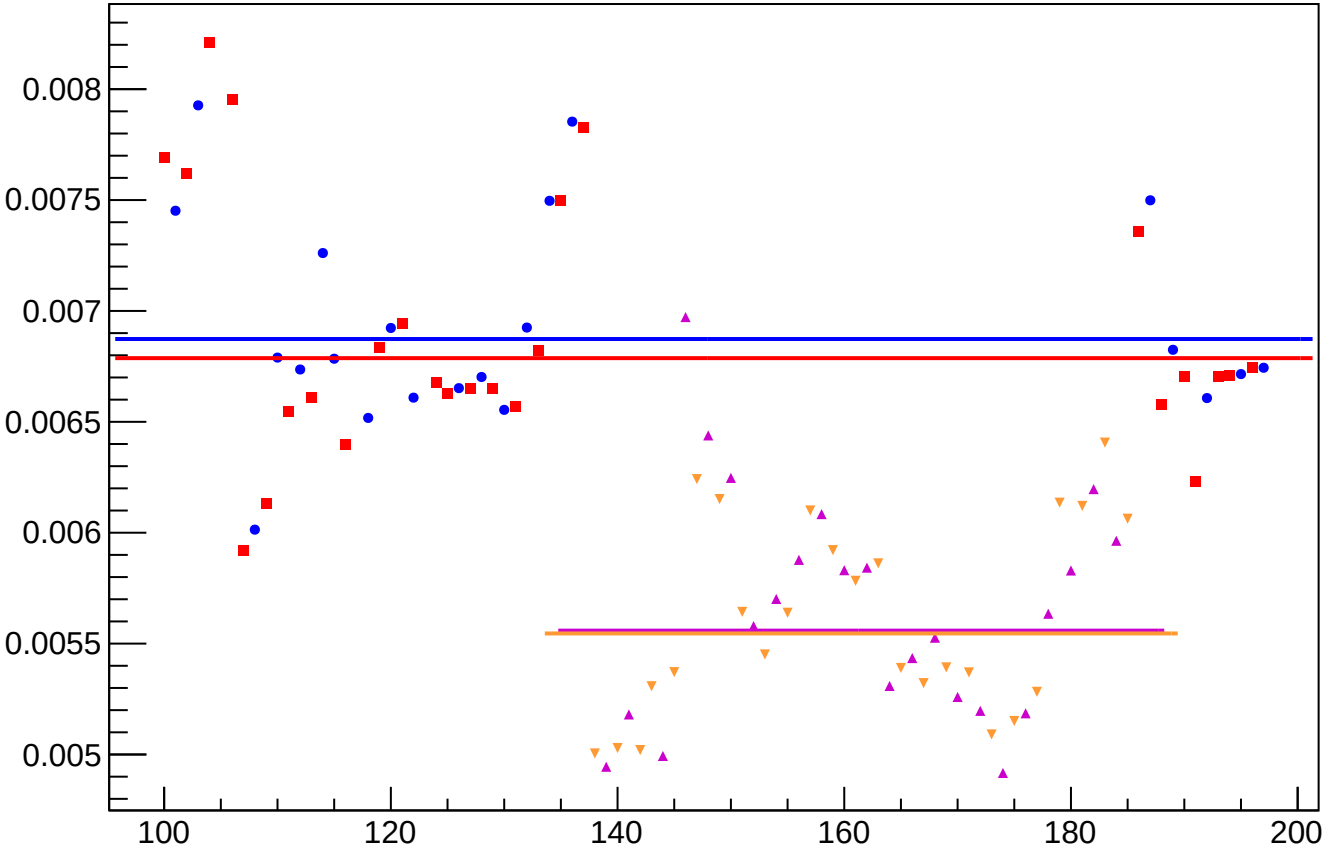
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.126+/-0.000 χ^2/NDF: 51664929201.0/45

All: -0.138+/-0.000 χ^2/NDF: 88236248573.2/

- sign -0.150+/-0.000 χ^2/NDF: 36328290314.3/48

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 93808.1/20

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

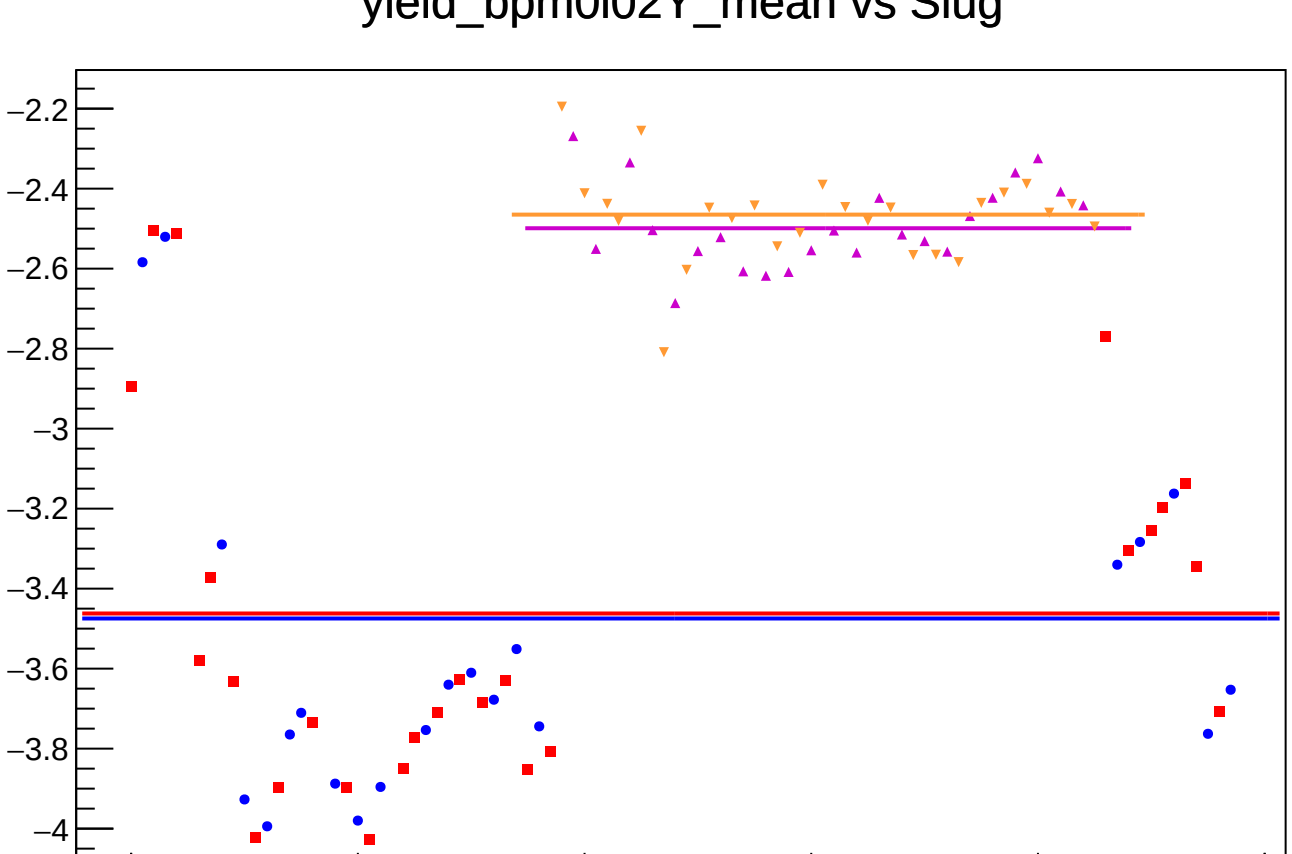
Right Out: 0.007+/-0.000 χ^2/NDF: 112121.5/25

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 863050.8/45

All: 0.006+/-0.000 χ^2/NDF: 1762297.5/94

- sign 0.006+/-0.000 χ^2/NDF: 898146.2/48



Right In: -3.475+/-0.000 χ^2/NDF: 31185806447.7/20

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.462+/-0.000 χ^2/NDF: 32924680066.2/25

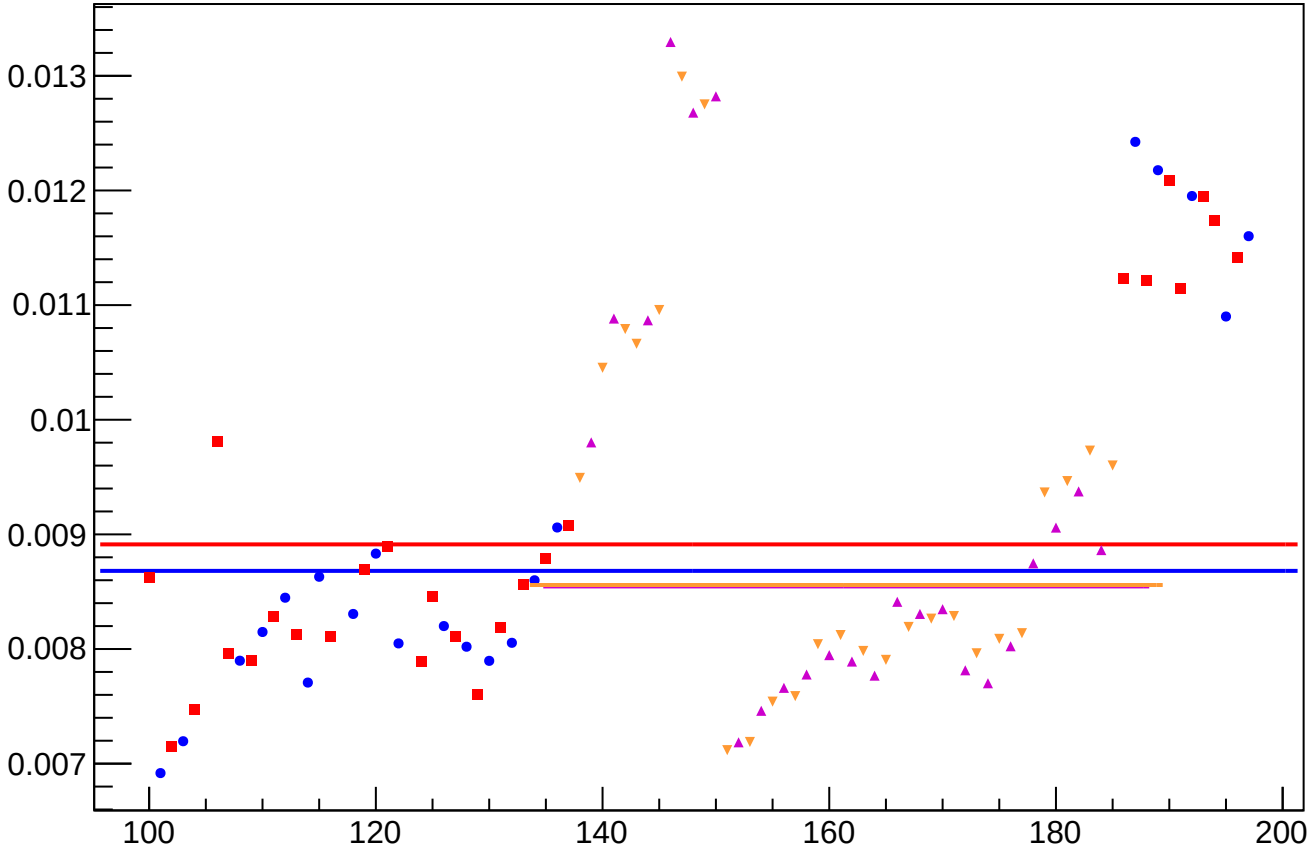
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.819+/-0.000 χ^2/NDF: 121654073594.7/45

All: -2.840+/-0.000 χ^2/NDF: 238788587892.6

- sign -2.861+/-0.000 χ^2/NDF: 116803147697.6/48

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 619321.0/20

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

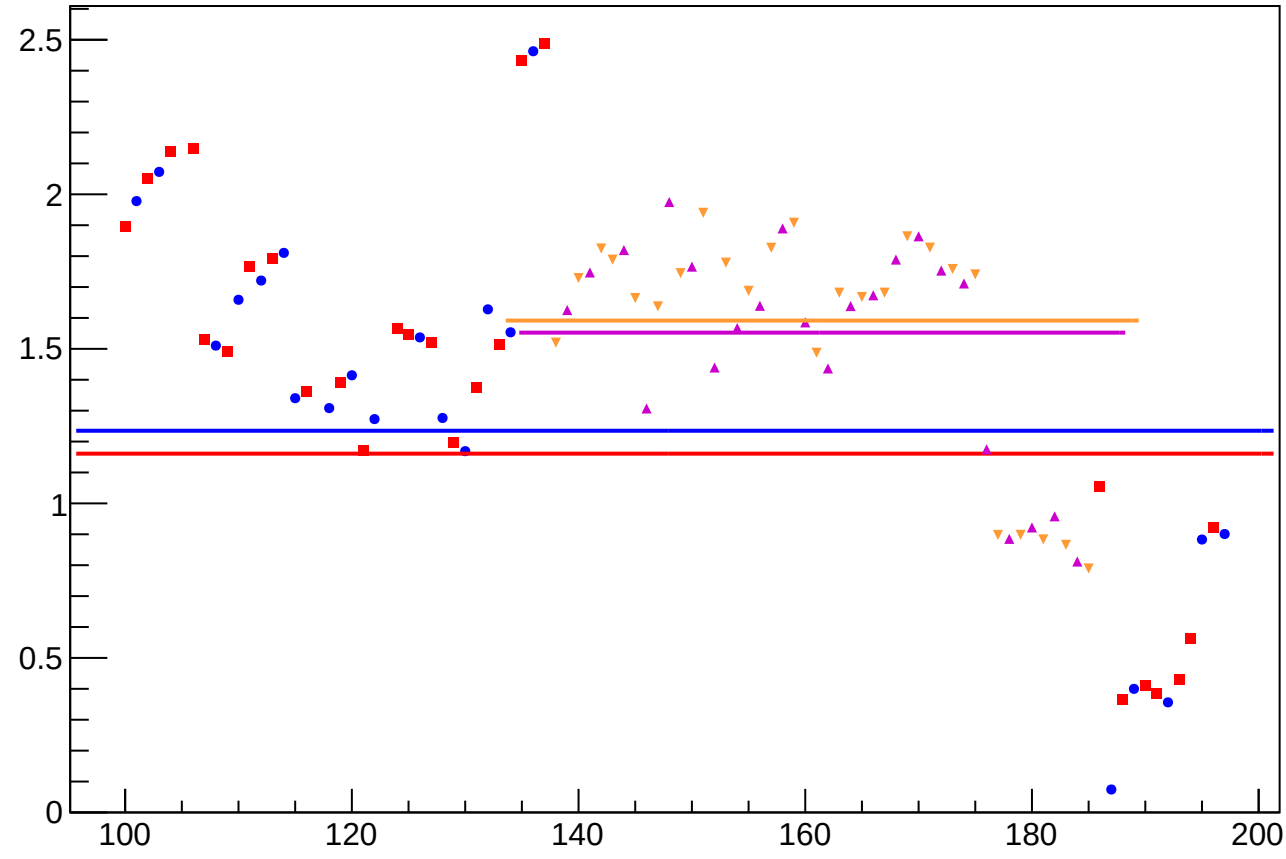
Right Out: 0.009+/-0.000 χ^2/NDF: 666702.9/25

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1445981.3/45

All: 0.009+/-0.000 χ^2/NDF: 3049669.8/94

- sign 0.009+/-0.000 χ^2/NDF: 1601134.8/48



Right In: 1.235+/-0.000 χ^2/NDF: 28038103701.8/20

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

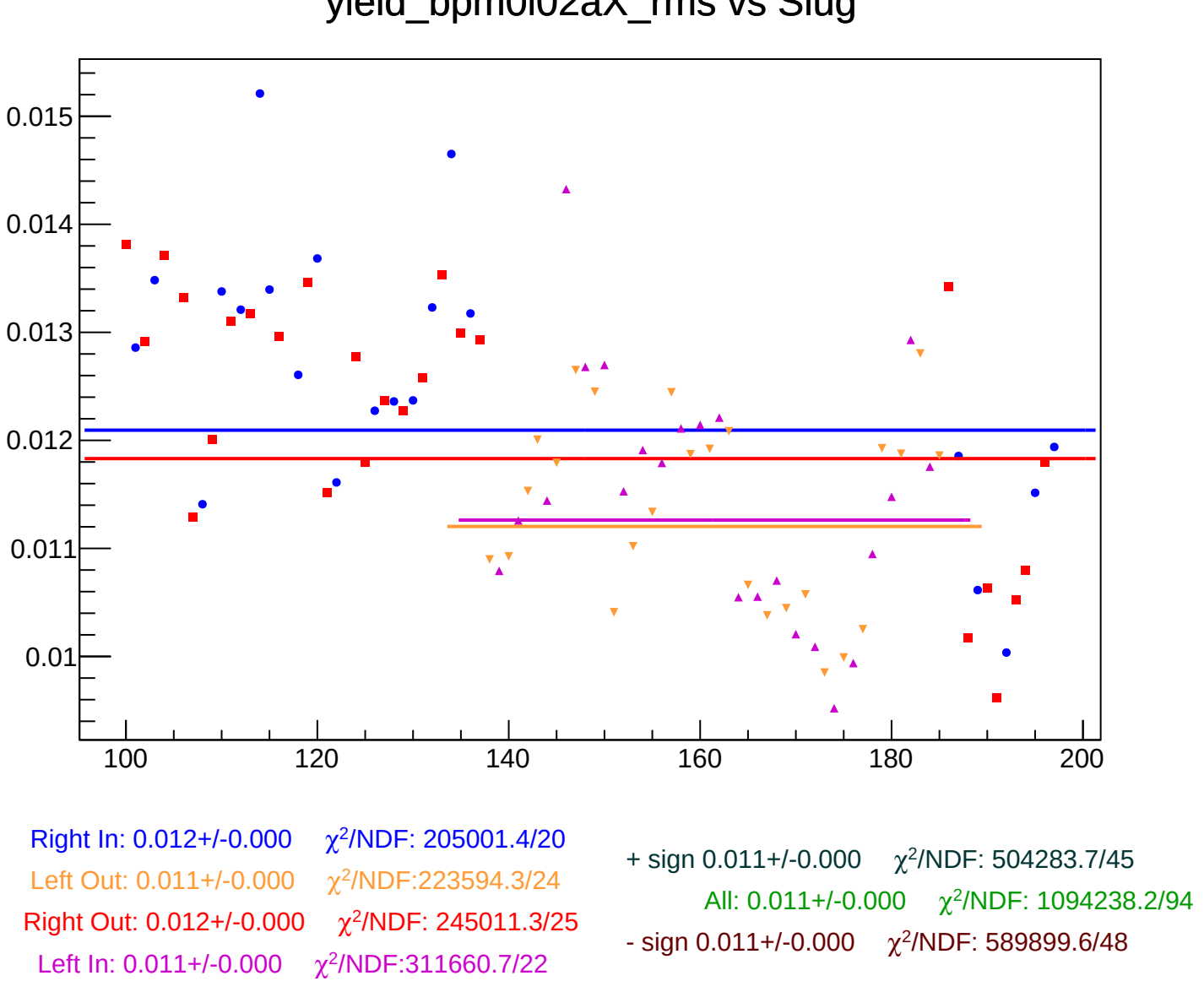
Right Out: 1.161+/-0.000 χ^2/NDF: 33735524376.5/25

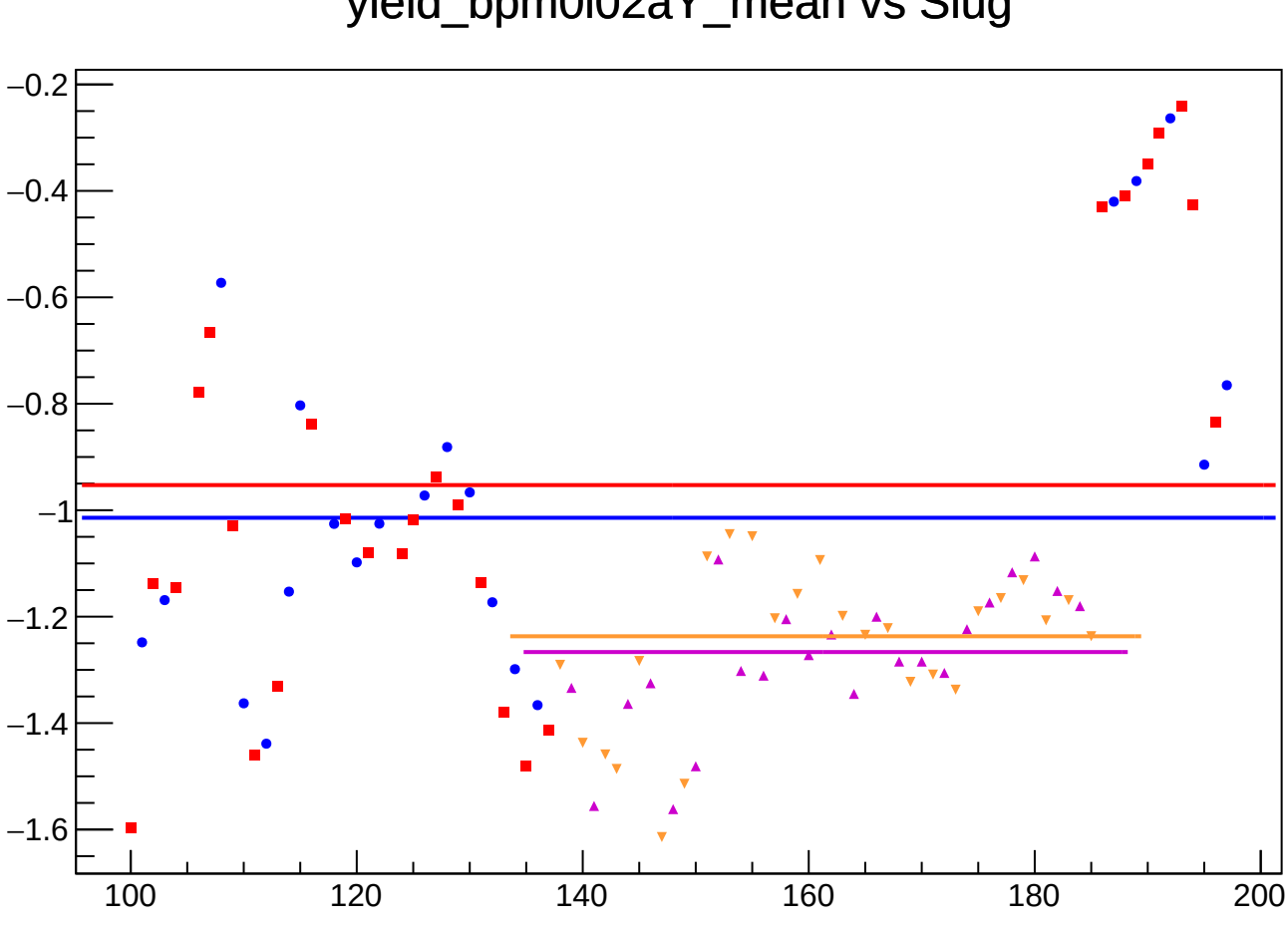
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.476+/-0.000 χ^2/NDF: 51173381418.3/45

All: 1.441+/-0.000 χ^2/NDF: 107373775430.6

- sign 1.405+/-0.000 χ^2/NDF: 55655692025.4/48


yield_bpm0i02aX_rms vs Slug
0.015
0.014
0.013
0.012
0.011
0.01
100
120
140
160
180
200
Right In: 0.012+/-0.000 χ²/NDF: 205001.4/20
Left Out: 0.011+/-0.000 χ²/NDF:223594.3/24
Right Out: 0.012+/-0.000 χ²/NDF: 245011.3/25
Left In: 0.011+/-0.000 χ²/NDF:311660.7/22
+ sign 0.011+/-0.000 χ²/NDF: 504283.7/45
All: 0.011+/-0.000 χ²/NDF: 1094238.2/94
- sign 0.011+/-0.000 χ²/NDF: 589899.6/48



Right In: -1.014+/-0.000 χ^2/NDF: 11308196001.2/20

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.953+/-0.000 χ^2/NDF: 16418558213.3/25

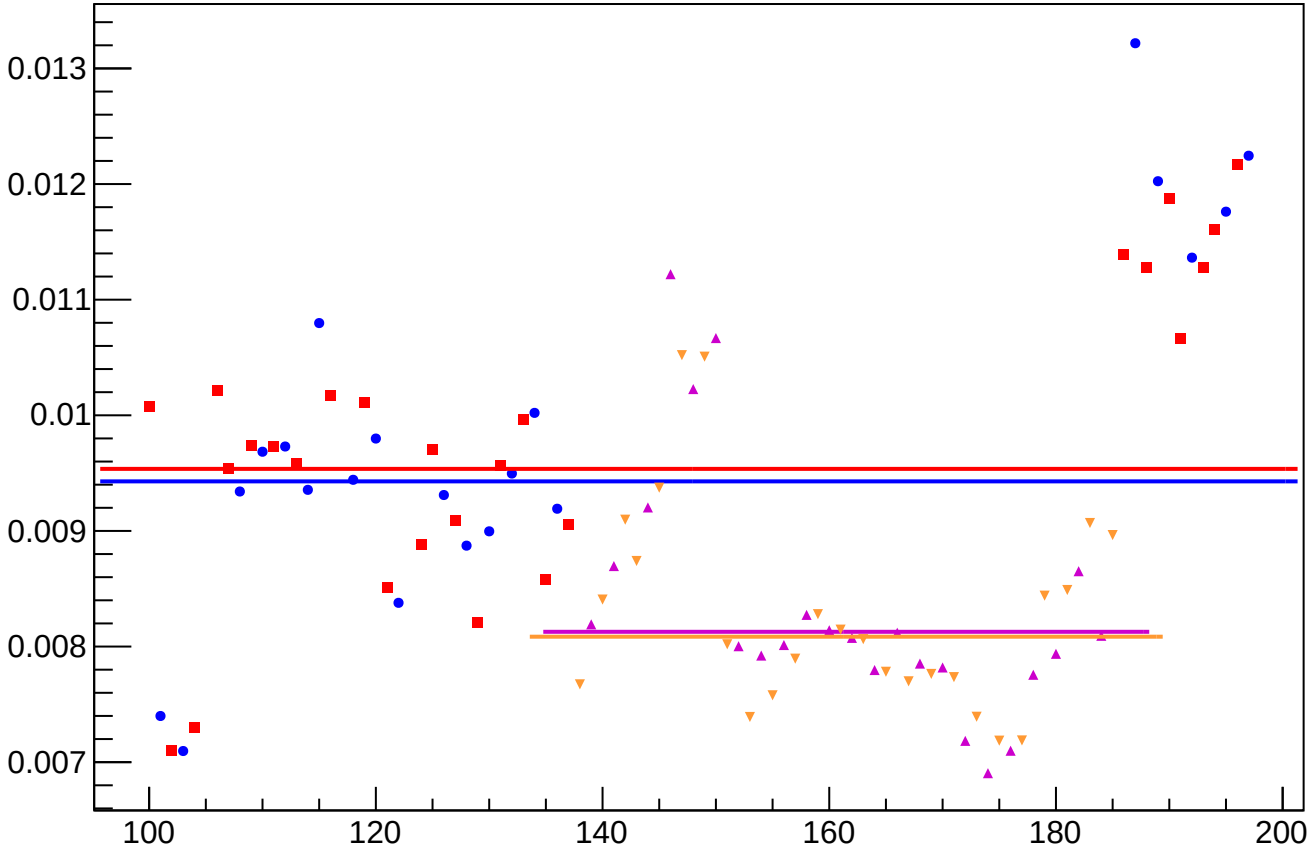
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.173+/-0.000 χ^2/NDF: 20237916912.2/45

All: -1.169+/-0.000 χ^2/NDF: 48514633258.2/

- sign -1.166+/-0.000 χ^2/NDF: 28268344367.3/48

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 532580.4/20

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

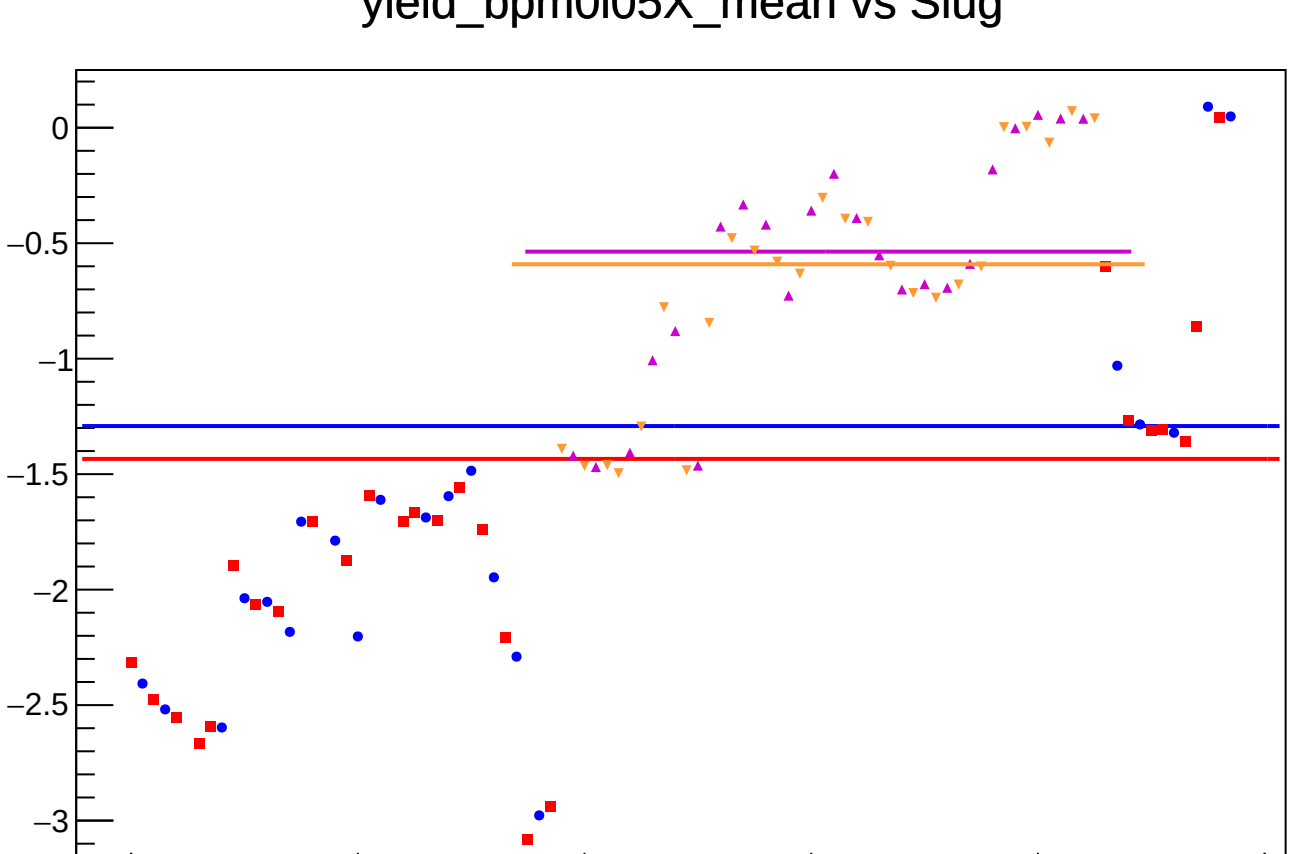
Right Out: 0.010+/-0.000 χ^2/NDF: 562296.4/25

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 1147484.7/45

All: 0.009+/-0.000 χ^2/NDF: 2452968.1/94

- sign 0.009+/-0.000 χ^2/NDF: 1301158.3/48



Right In: -1.292+/-0.000 χ^2/NDF: 221190274722.8/20

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.434+/-0.000 χ^2/NDF: 168787034677.2/25

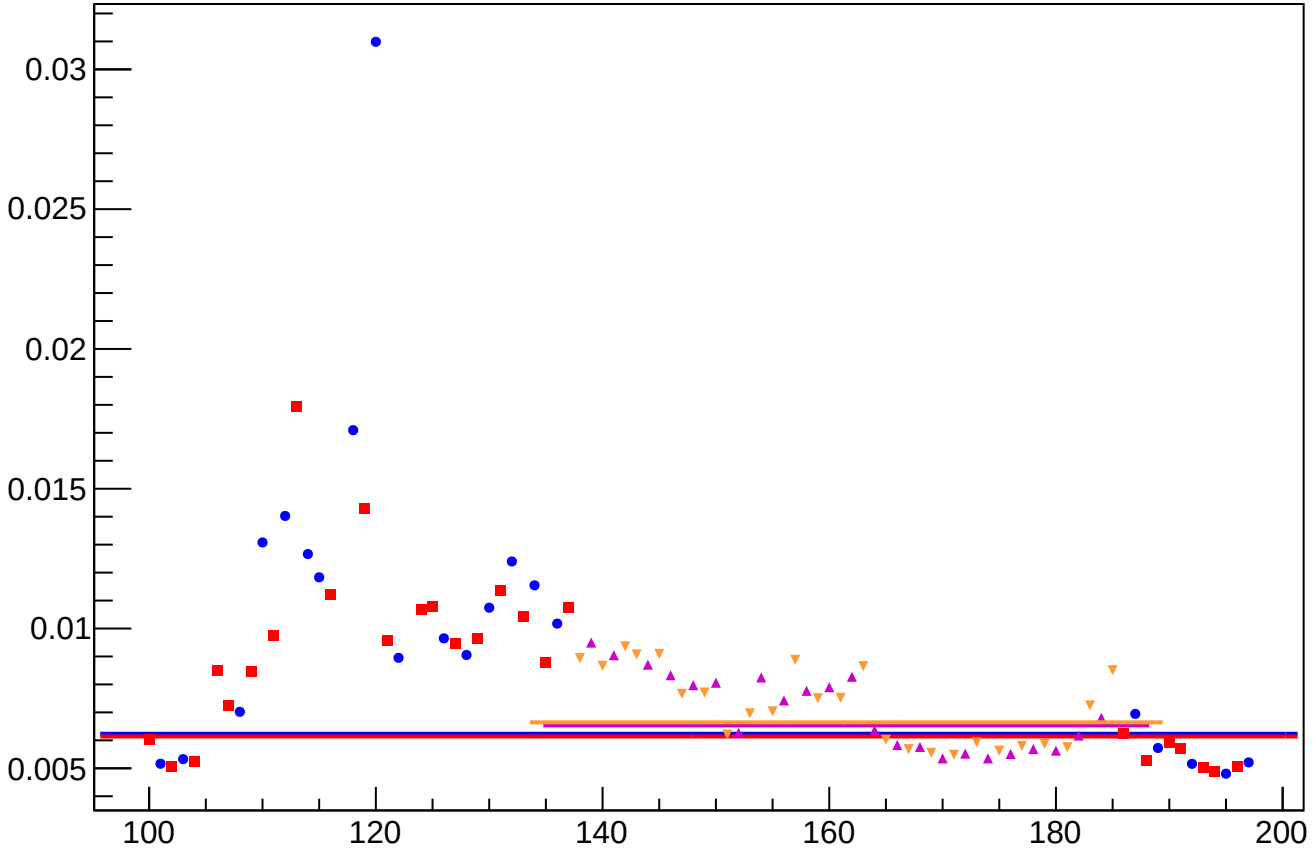
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.836+/-0.000 χ^2/NDF: 358927789554.5/45

All: -0.867+/-0.000 χ^2/NDF: 718653465645.1

- sign -0.896+/-0.000 χ^2/NDF: 358658373973.4/48

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2346048.0/20

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

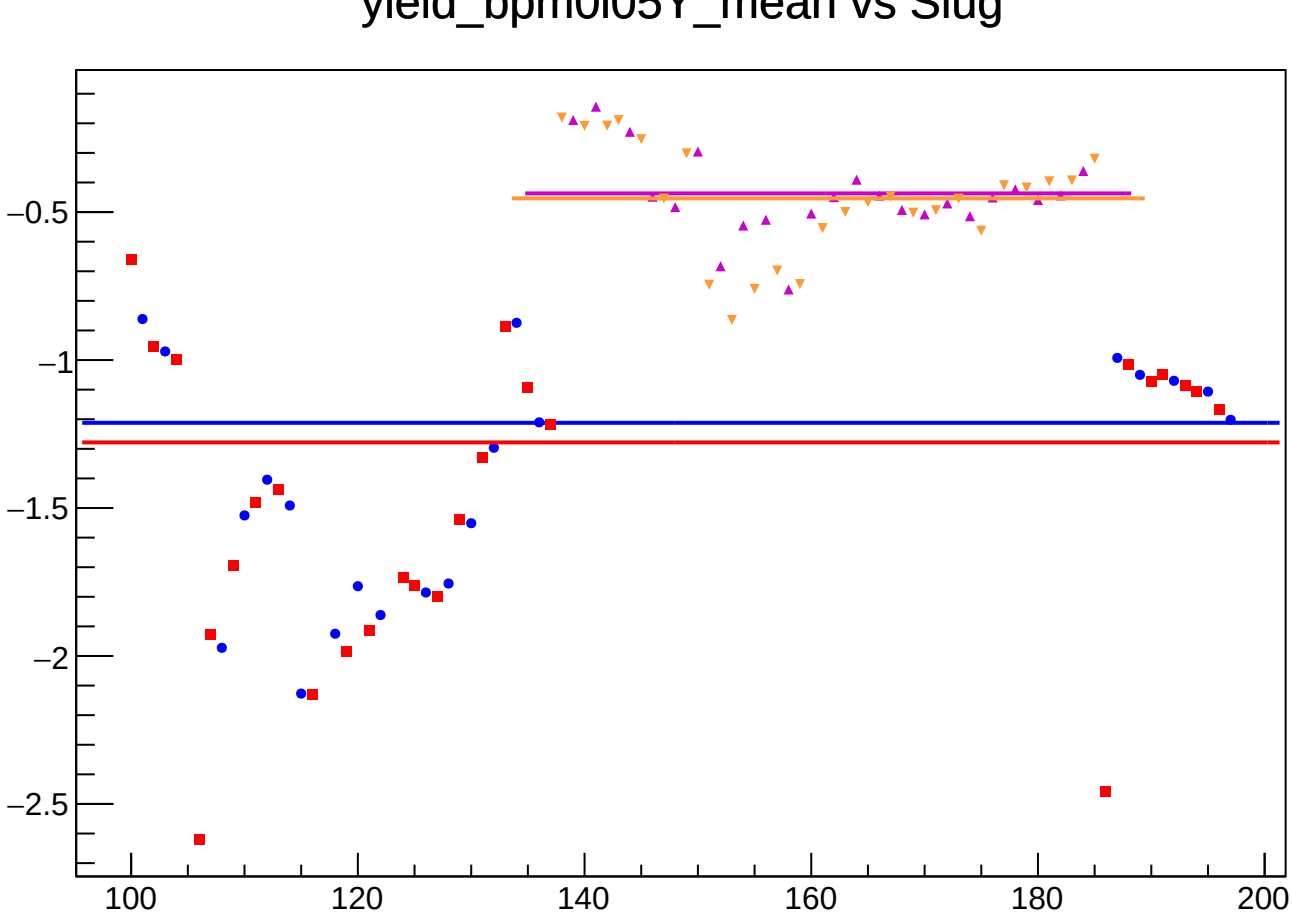
Right Out: 0.006+/-0.000 χ^2/NDF: 2046210.9/25

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 3482453.4/45

All: 0.006+/-0.000 χ^2/NDF: 6736358.1/94

- sign 0.006+/-0.000 χ^2/NDF: 3244322.6/48



Right In: -1.212+/-0.000 χ^2/NDF: 27026419770.0/20

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.278+/-0.000 χ^2/NDF: 70904034696.0/25

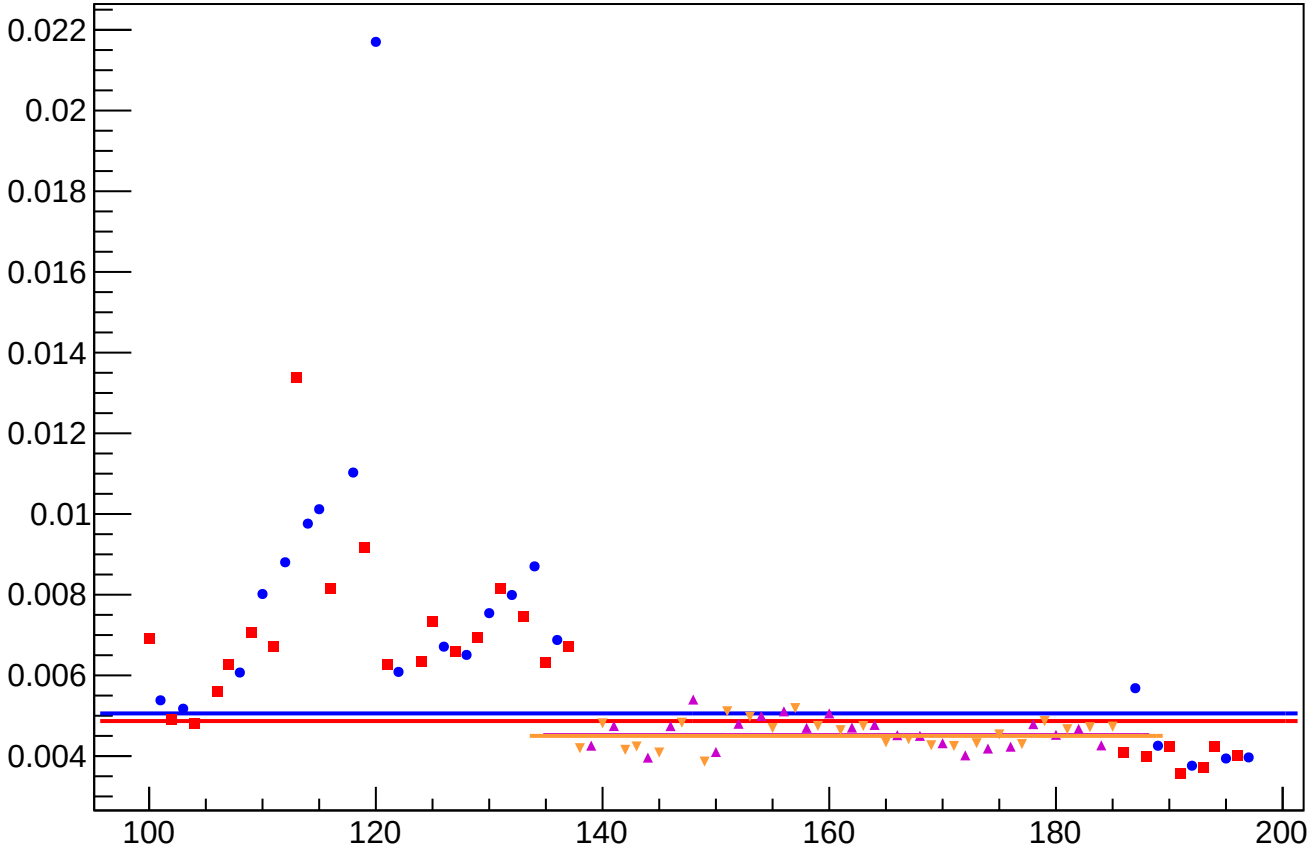
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.658+/-0.000 χ^2/NDF: 191298275287.5/45

All: -0.687+/-0.000 χ^2/NDF: 472011456577.0

- sign -0.716+/-0.000 χ^2/NDF: 278739800308.8/48

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1824759.2/20

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

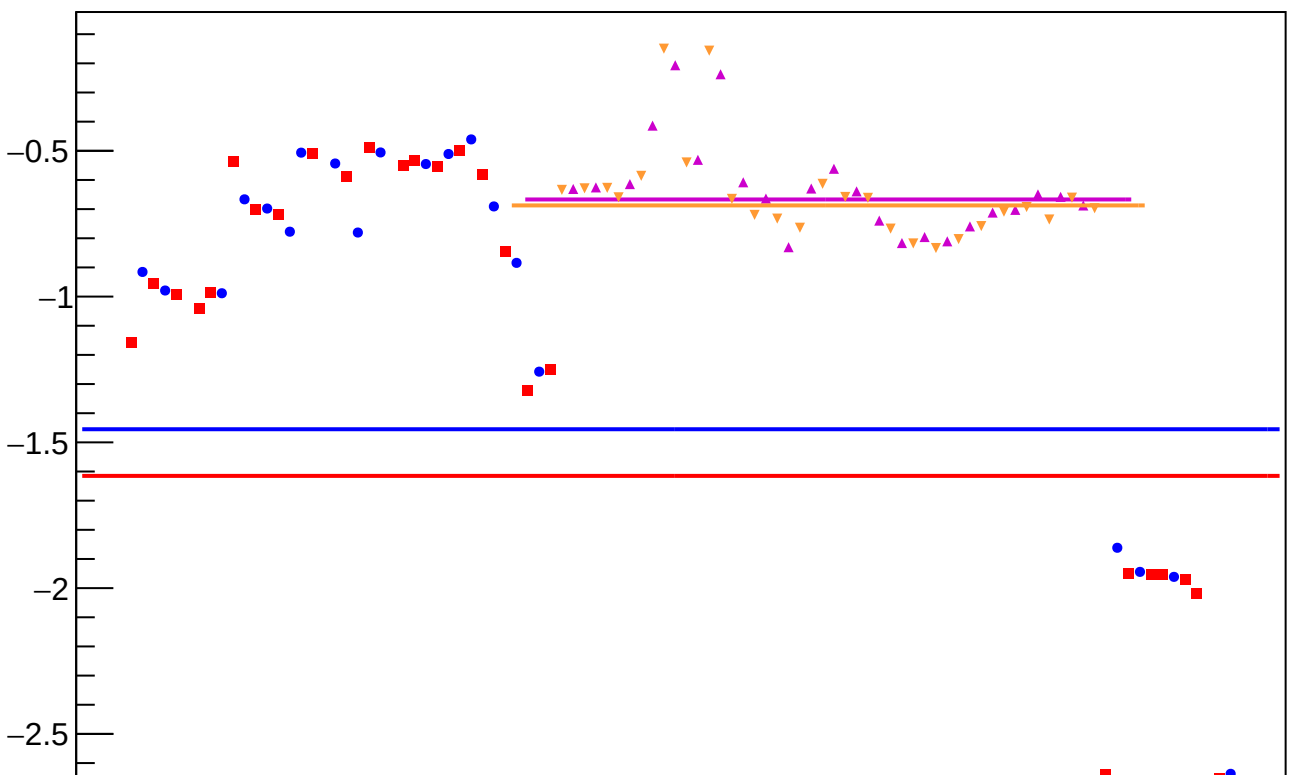
Right Out: 0.005+/-0.000 χ^2/NDF: 1612162.9/25

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2159633.1/45

All: 0.005+/-0.000 χ^2/NDF: 4049502.1/94

- sign 0.005+/-0.000 χ^2/NDF: 1889577.5/48



Right In: -1.455+/-0.000 χ^2/NDF: 166403295685.8/20

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.615+/-0.000 χ^2/NDF: 236190269550.3/25

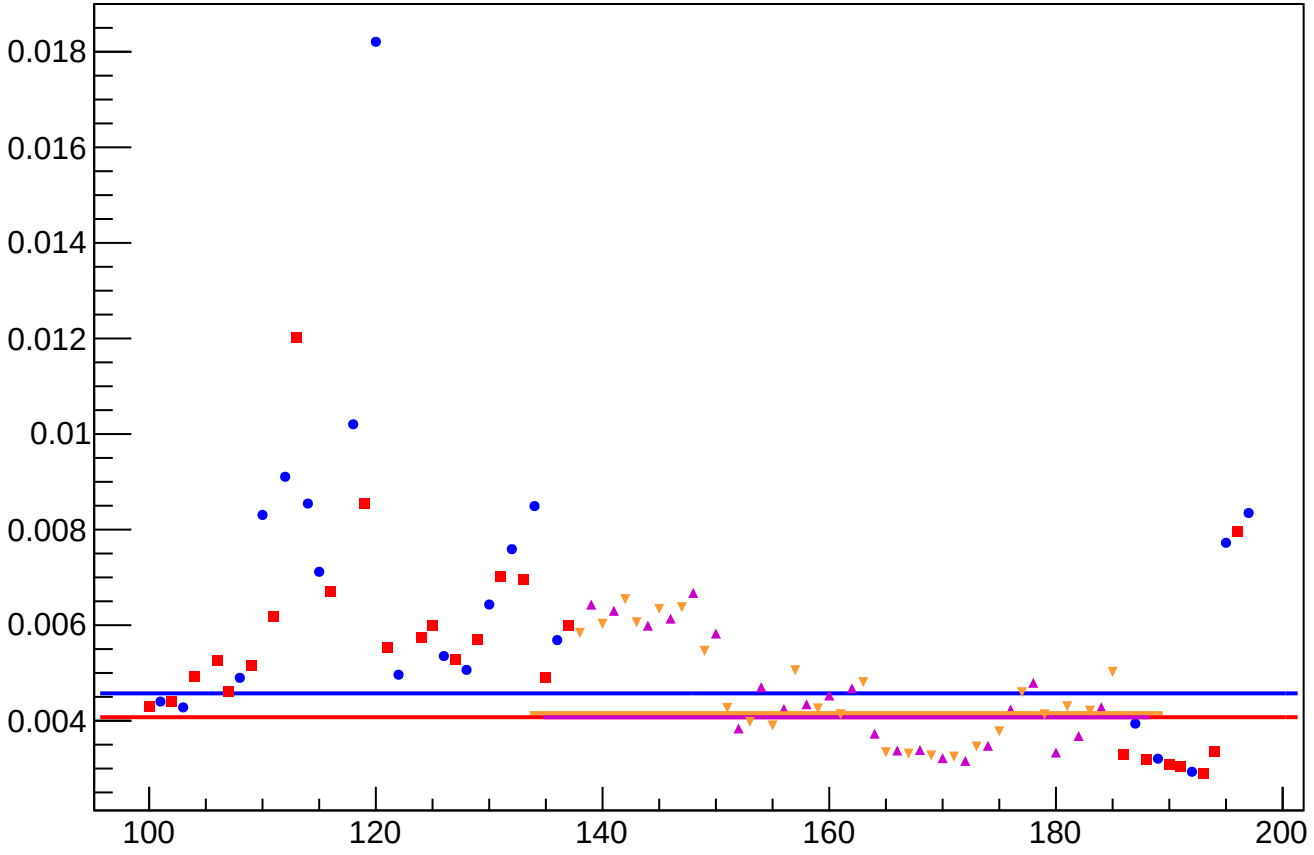
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.905+/-0.000 χ^2/NDF: 350364292027.9/45

All: -0.966+/-0.000 χ^2/NDF: 937120069764.5

- sign -1.020+/-0.000 χ^2/NDF: 577377241566.8/48

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2677587.0/20

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2303819.0/25

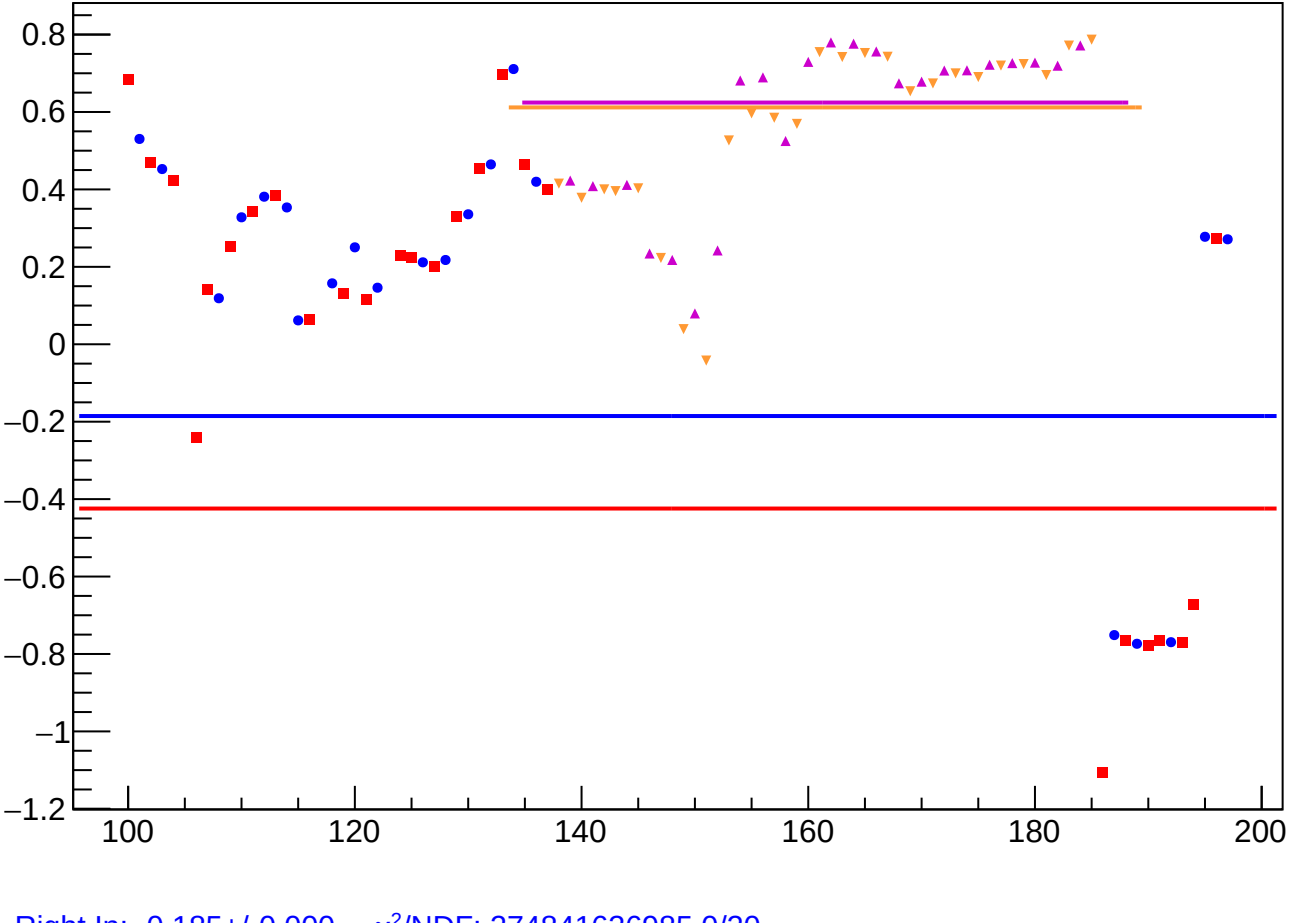
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 4291088.9/45

All: 0.004+/-0.000 χ^2/NDF: 8404835.6/94

- sign 0.004+/-0.000 χ^2/NDF: 4054124.8/48

yield_bpm0i07Y_mean vs Slug



Right In: -0.185+/-0.000 χ^2/NDF: 274841636985.0/20

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.424+/-0.000 χ^2/NDF: 399924696110.5/25

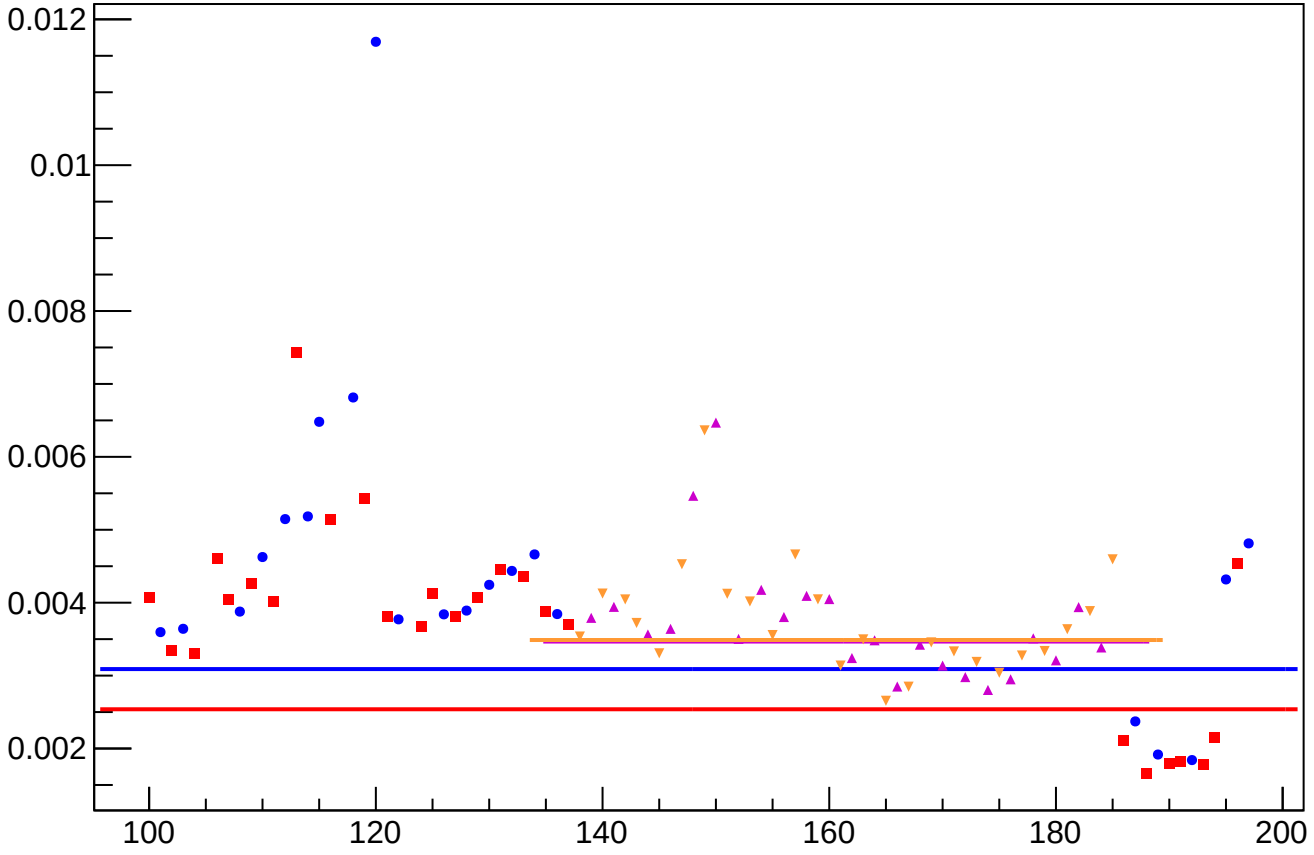
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.298+/-0.000 χ^2/NDF: 650393780734.8/45

All: 0.175+/-0.000 χ^2/NDF: 1879822480071.

- sign 0.075+/-0.000 χ^2/NDF: 1169961276507.9/48

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 2753106.0/20

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

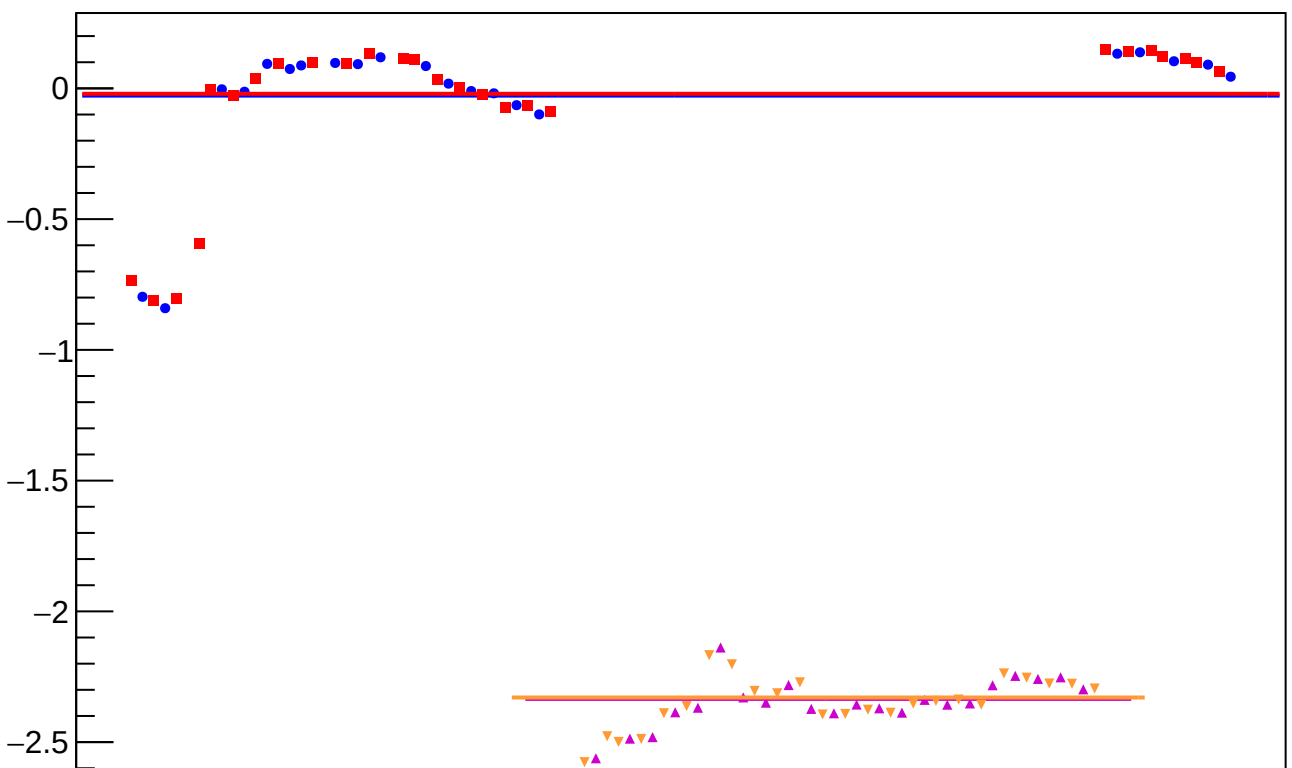
Right Out: 0.003+/-0.000 χ^2/NDF: 3284818.8/25

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 3768717.8/45

All: 0.003+/-0.000 χ^2/NDF: 9386240.2/94

- sign 0.003+/-0.000 χ^2/NDF: 5323262.4/48



Right In: -0.028+/-0.000 χ^2/NDF: 6276841938.4/20

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.021+/-0.000 χ^2/NDF: 7588441939.1/25

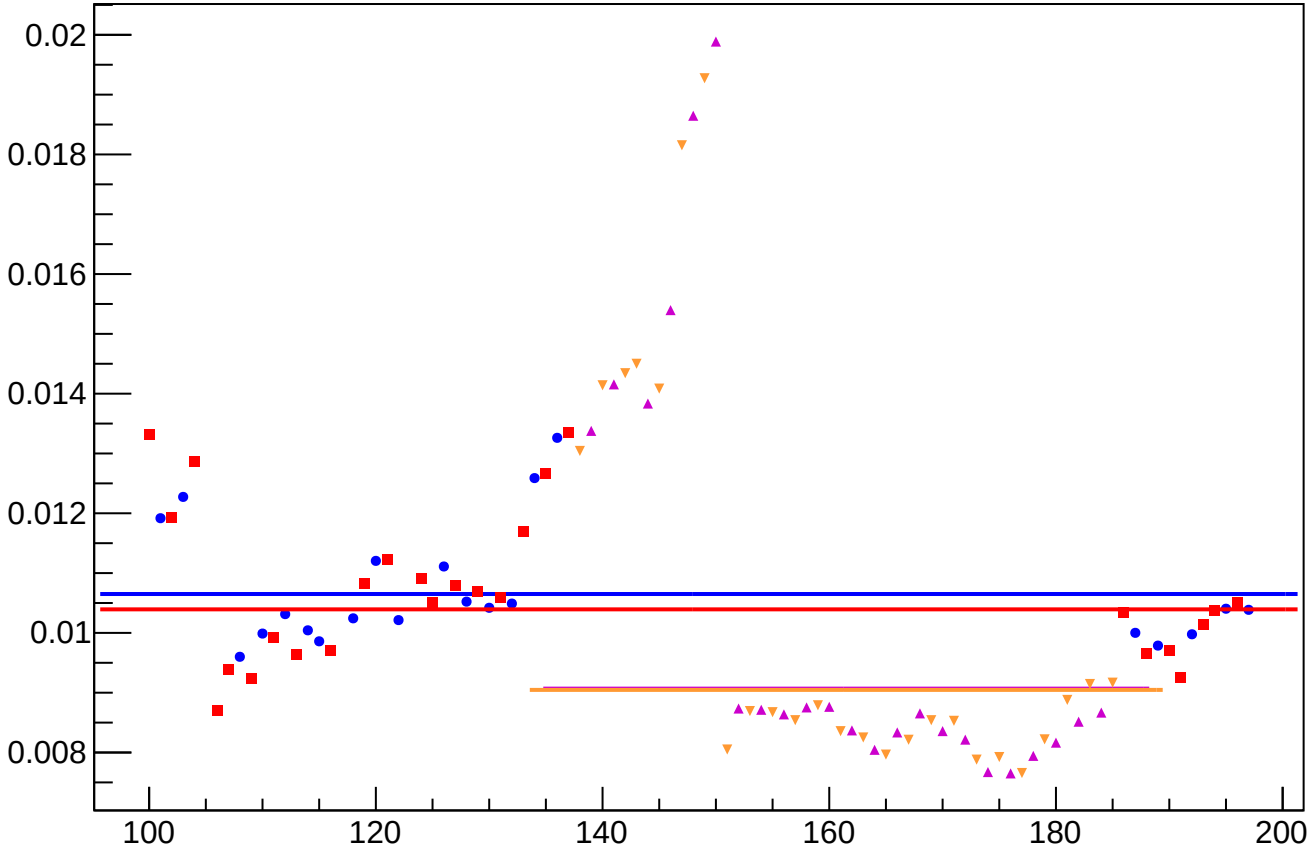
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.653+/-0.000 χ^2/NDF: 354280346540.7/45

All: -1.596+/-0.000 χ^2/NDF: 749509361323.4

- sign -1.539+/-0.000 χ^2/NDF: 393198552820.6/48

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 166323.0/20

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

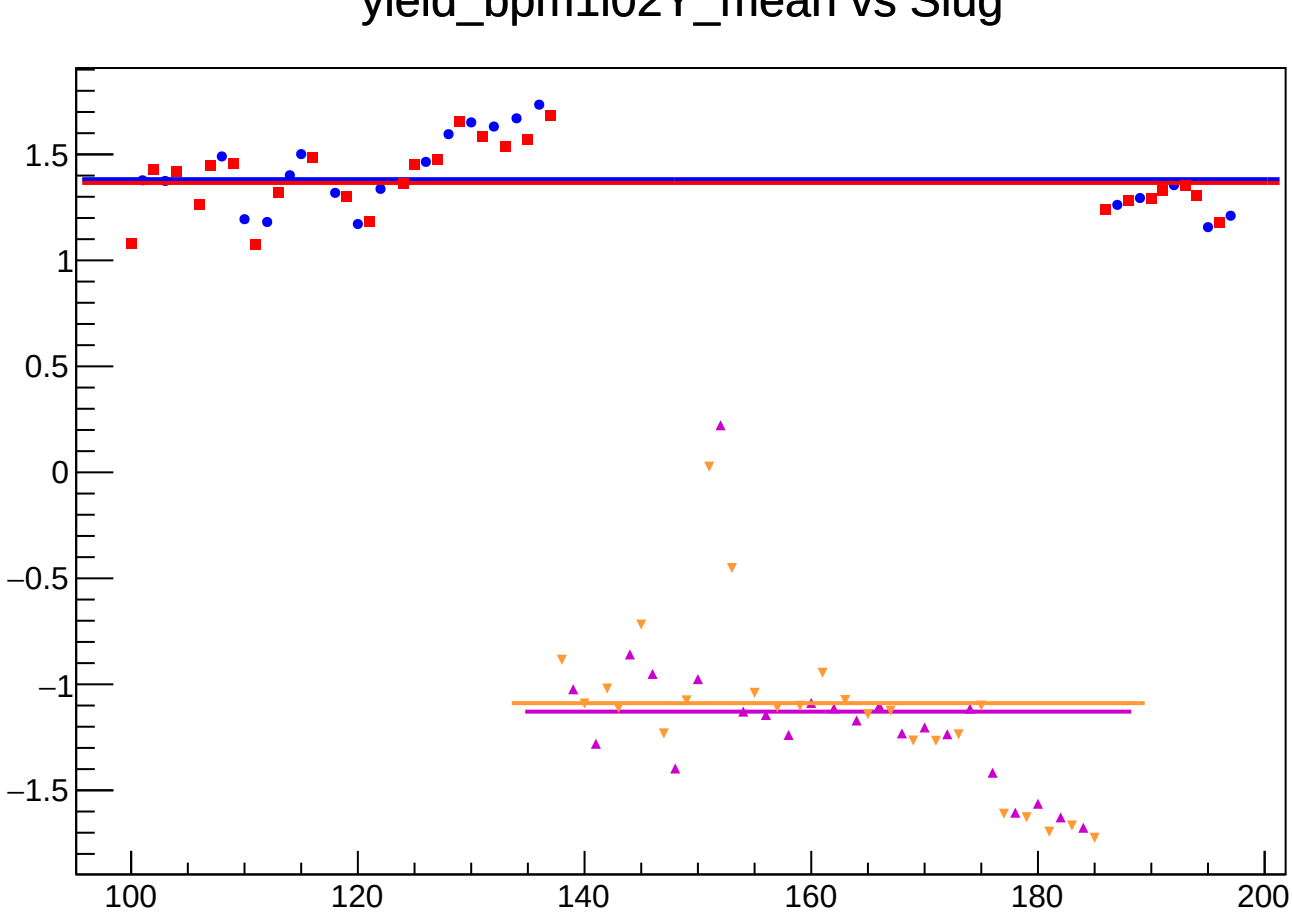
Right Out: 0.010+/-0.000 χ^2/NDF: 220711.4/25

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2550799.7/45

All: 0.010+/-0.000 χ^2/NDF: 5157692.9/94

- sign 0.010+/-0.000 χ^2/NDF: 2606884.0/48



Right In: 1.383+/-0.000 χ^2/NDF: 5587523132.9/20

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.365+/-0.000 χ^2/NDF: 3995449316.4/25

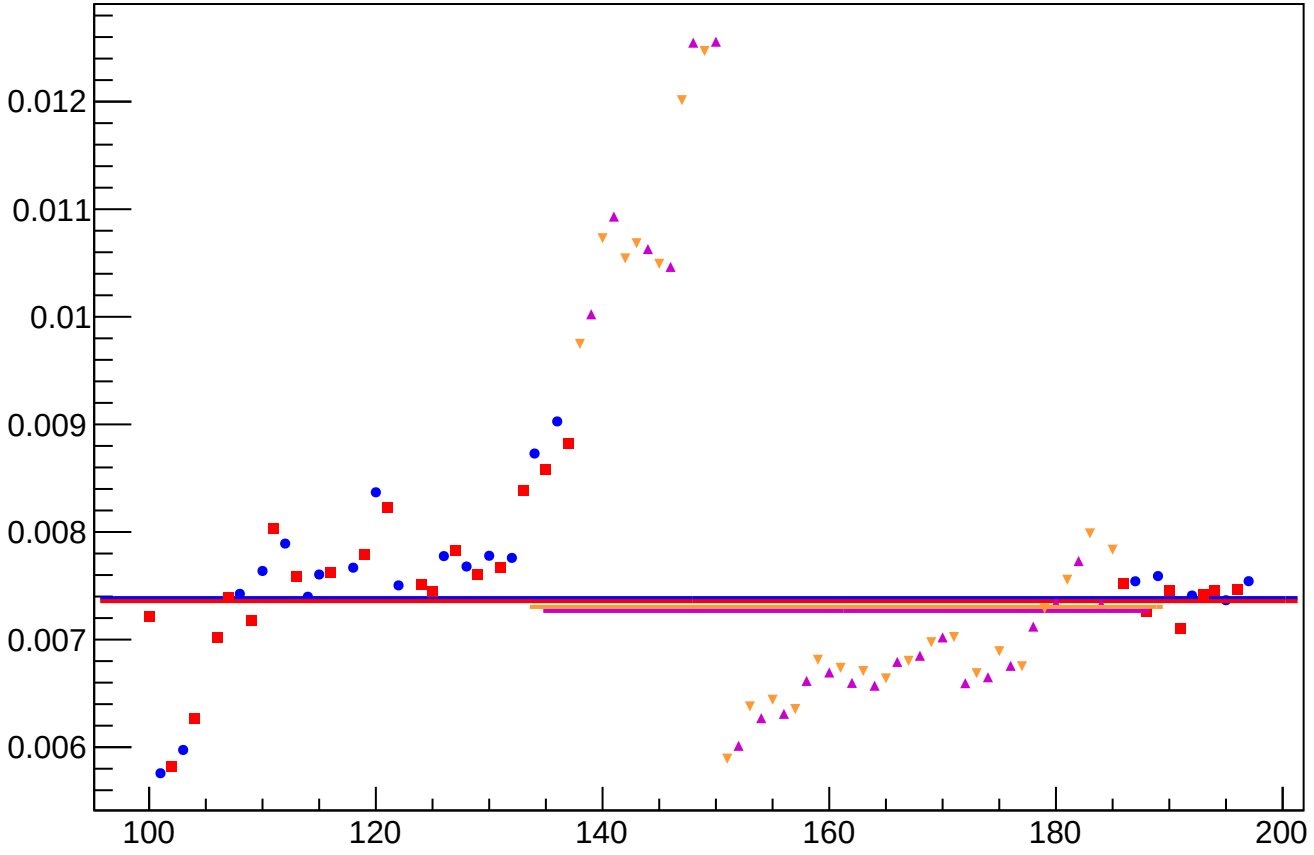
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.210+/-0.000 χ^2/NDF: 819437729210.2/45

All: -0.174+/-0.000 χ^2/NDF: 1701217714887

- sign -0.138+/-0.000 χ^2/NDF: 880383837493.4/48

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 272885.0/20

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 197757.6/25

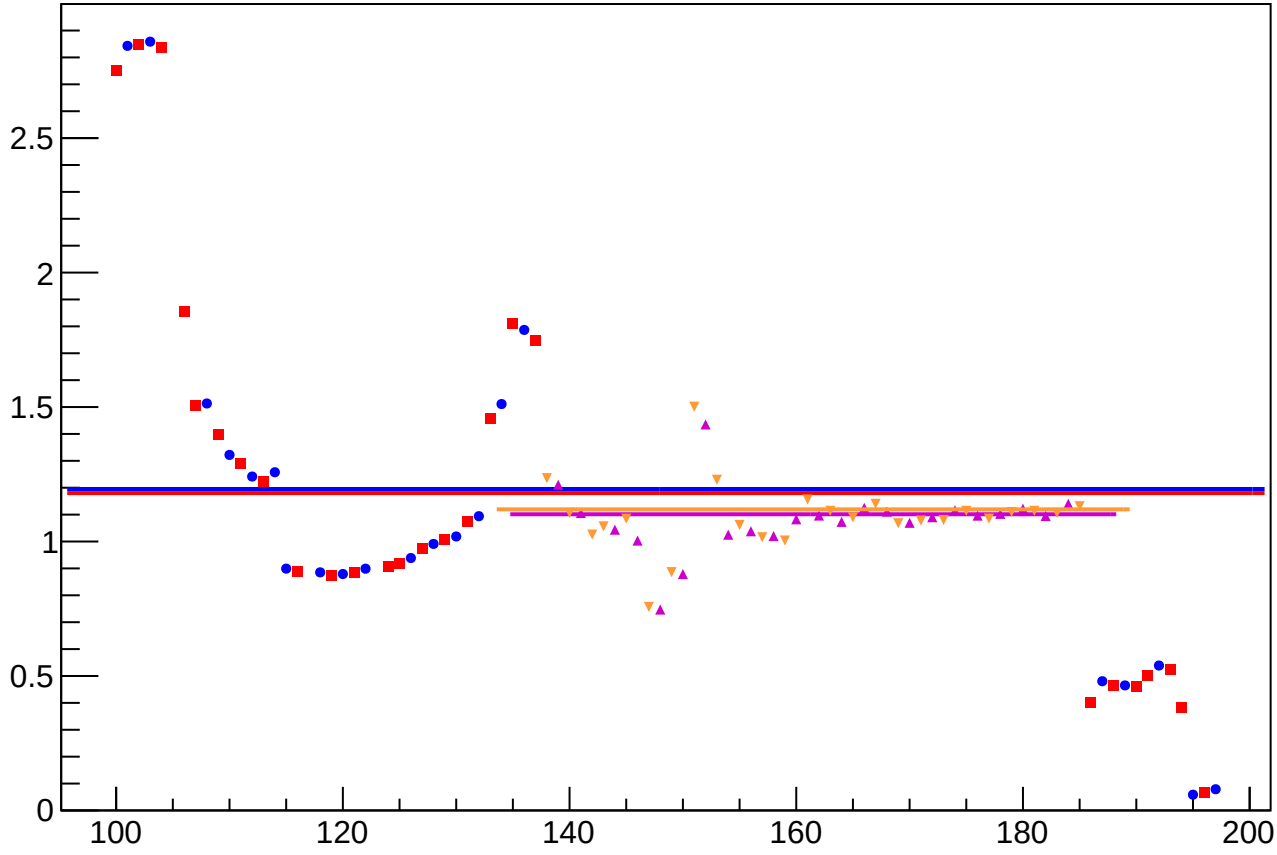
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1778654.0/45

All: 0.007+/-0.000 χ^2/NDF: 3539184.2/94

- sign 0.007+/-0.000 χ^2/NDF: 1760031.4/48

yield_bpm1i04X_mean vs Slug



Right In: 1.195+/-0.000 χ^2/NDF: 92617666022.3/20

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.180+/-0.000 χ^2/NDF: 91055128302.6/25

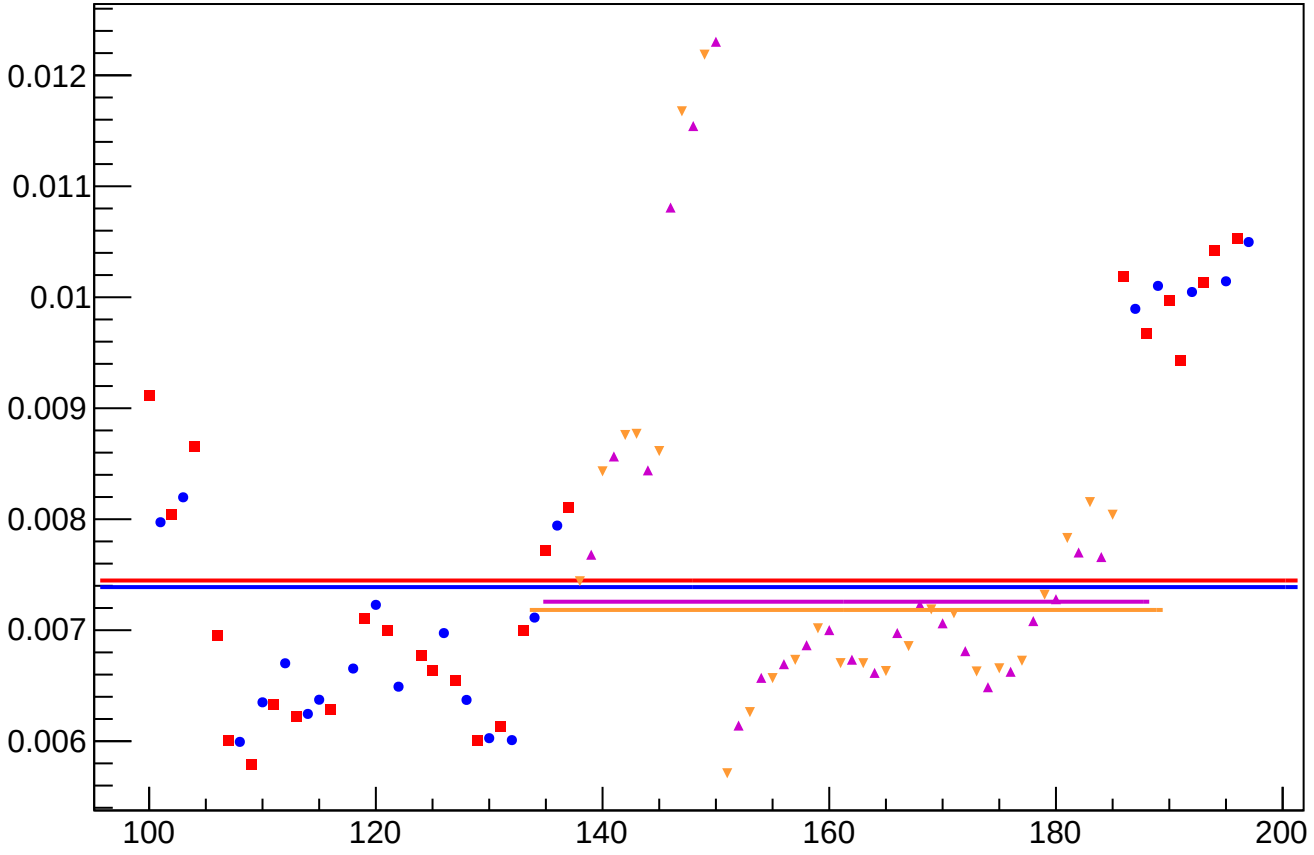
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.146+/-0.000 χ^2/NDF: 98834768621.9/45

All: 1.139+/-0.000 χ^2/NDF: 194933578860.6

- sign 1.131+/-0.000 χ^2/NDF: 96044490296.0/48

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 784957.1/20

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 984854.6/25

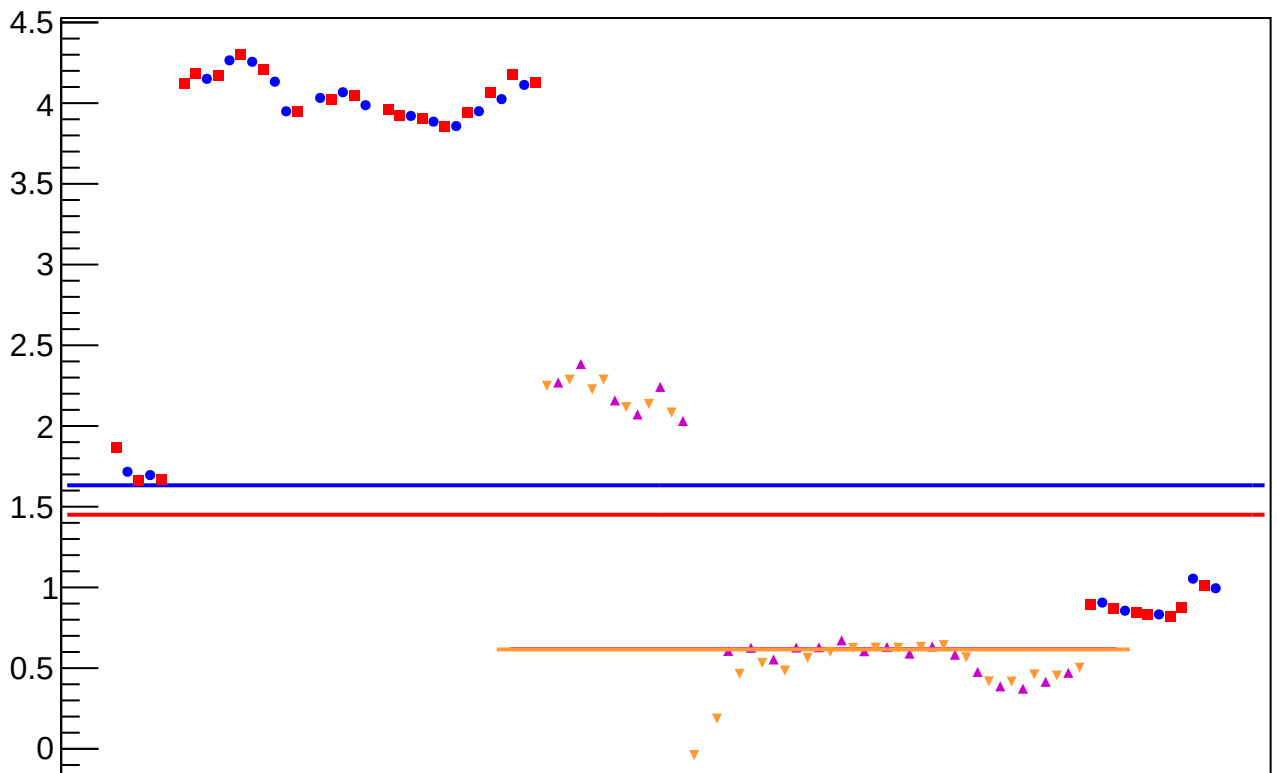
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1689159.2/45

All: 0.007+/-0.000 χ^2/NDF: 3603171.9/94

- sign 0.007+/-0.000 χ^2/NDF: 1910832.8/48

yield_bpm1i04Y_mean vs Slug



Right In: 1.633+/-0.000 χ^2/NDF: 1407955547798.1/20

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.450+/-0.000 χ^2/NDF: 1659382462482.4/25

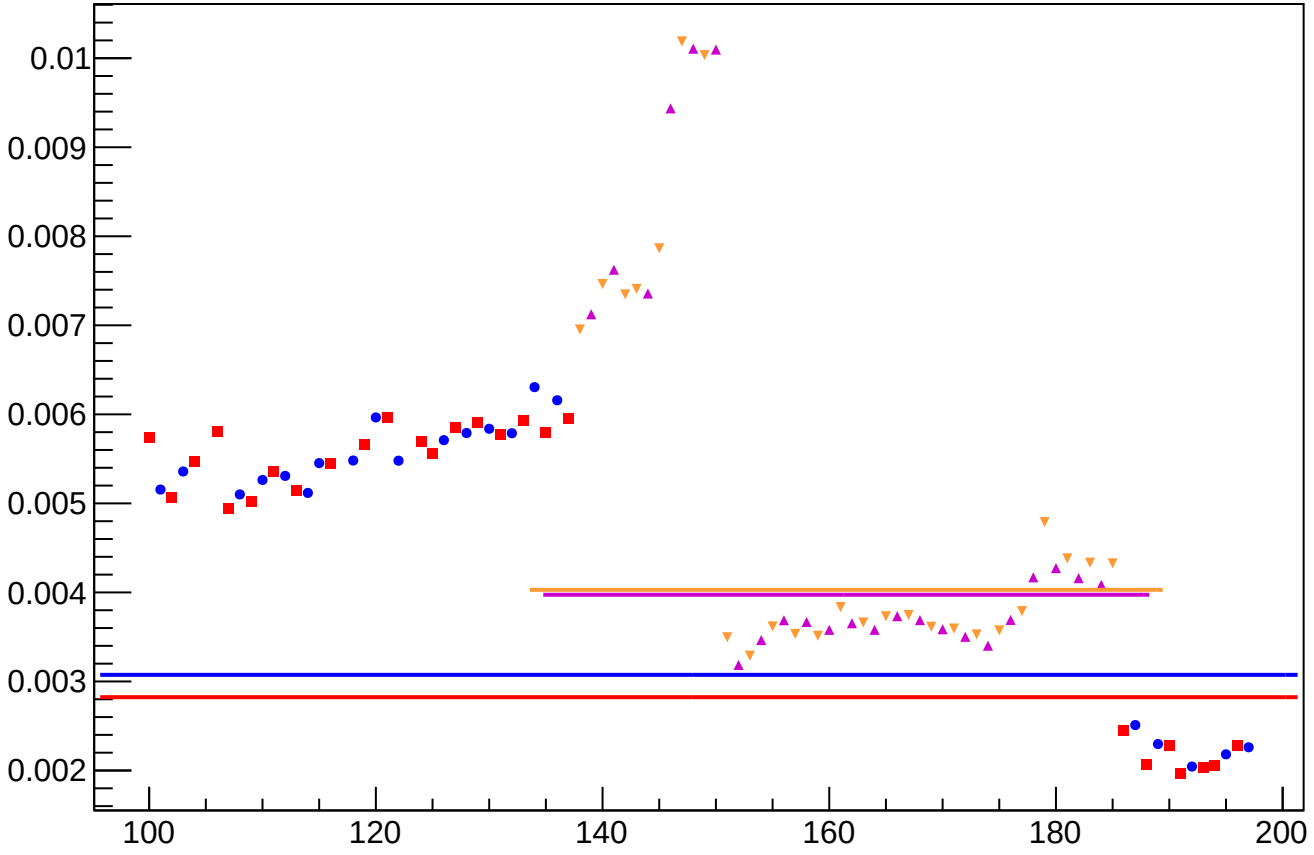
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.077+/-0.000 χ^2/NDF: 2155341404812.2/45

All: 1.068+/-0.000 χ^2/NDF: 4446752087953.

- sign 1.060+/-0.000 χ^2/NDF: 2291100279286.9/48

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3986951.4/20

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4462864.8/25

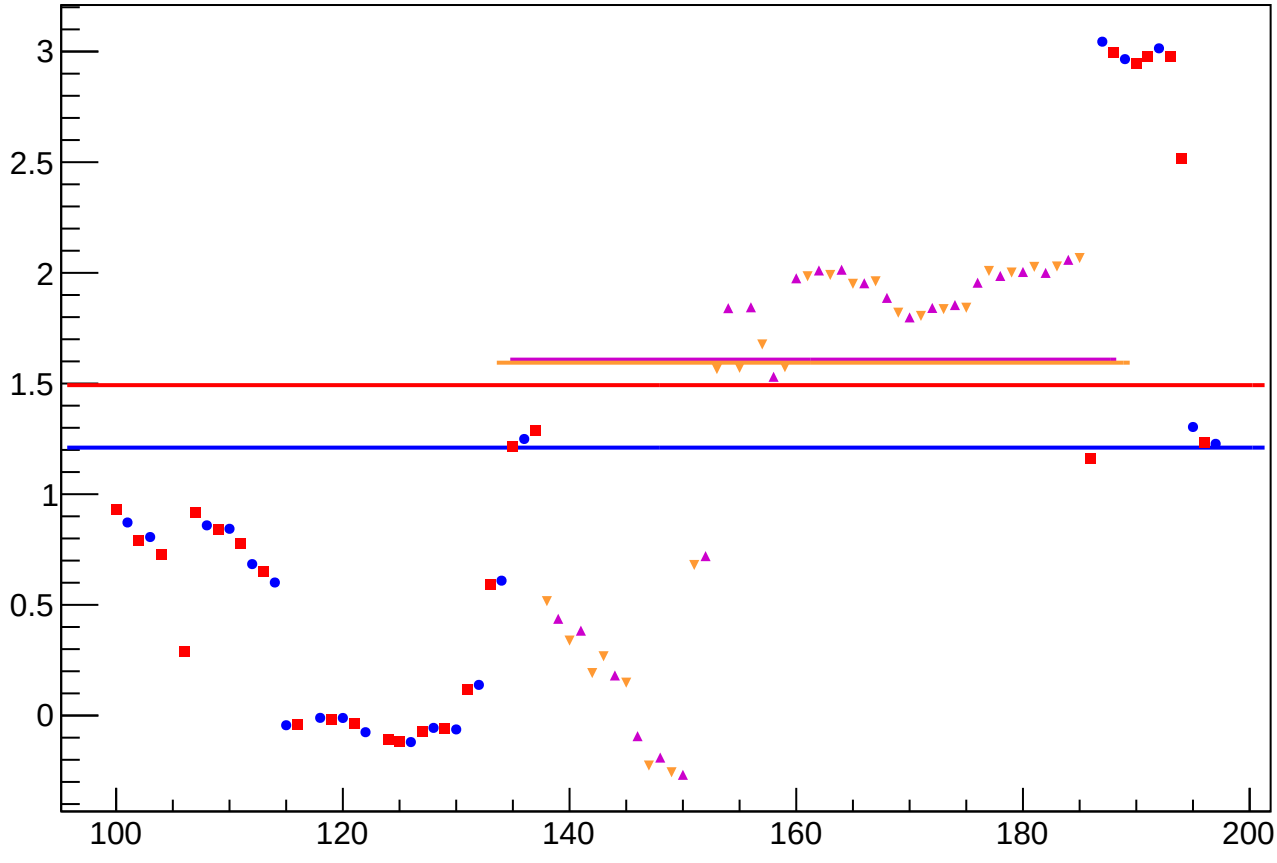
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 7826164.3/45

All: 0.003+/-0.000 χ^2/NDF: 16965366.1/94

- sign 0.003+/-0.000 χ^2/NDF: 9027952.9/48

yield_bpm1i06X_mean vs Slug



Right In: 1.210+/-0.000 χ^2/NDF: 77456926567.5/20

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.493+/-0.000 χ^2/NDF: 102862366626.5/25

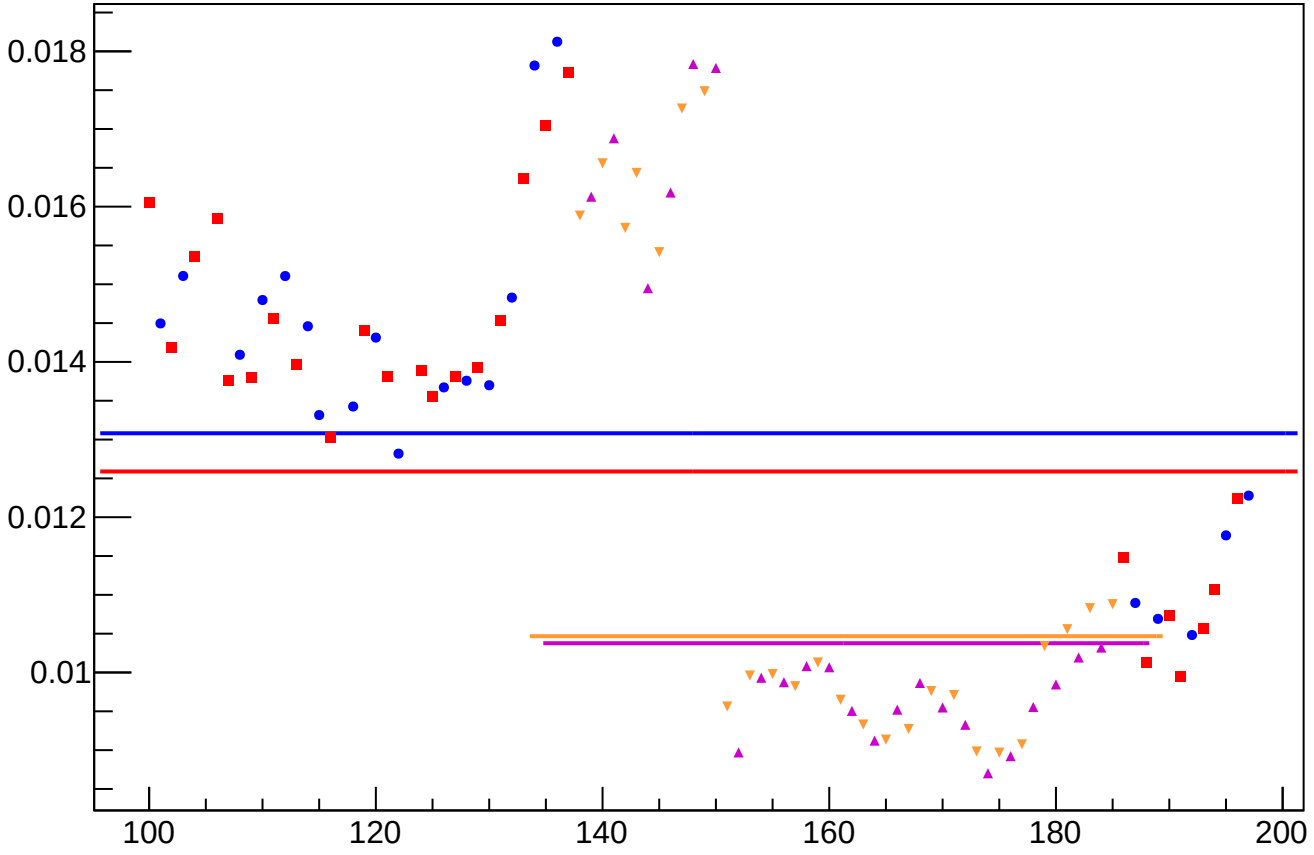
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.493+/-0.000 χ^2/NDF: 146592052190.9/45

All: 1.533+/-0.000 χ^2/NDF: 317248841494.6

- sign 1.572+/-0.000 χ^2/NDF: 169928396035.3/48

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 493681.0/20

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 589063.0/25

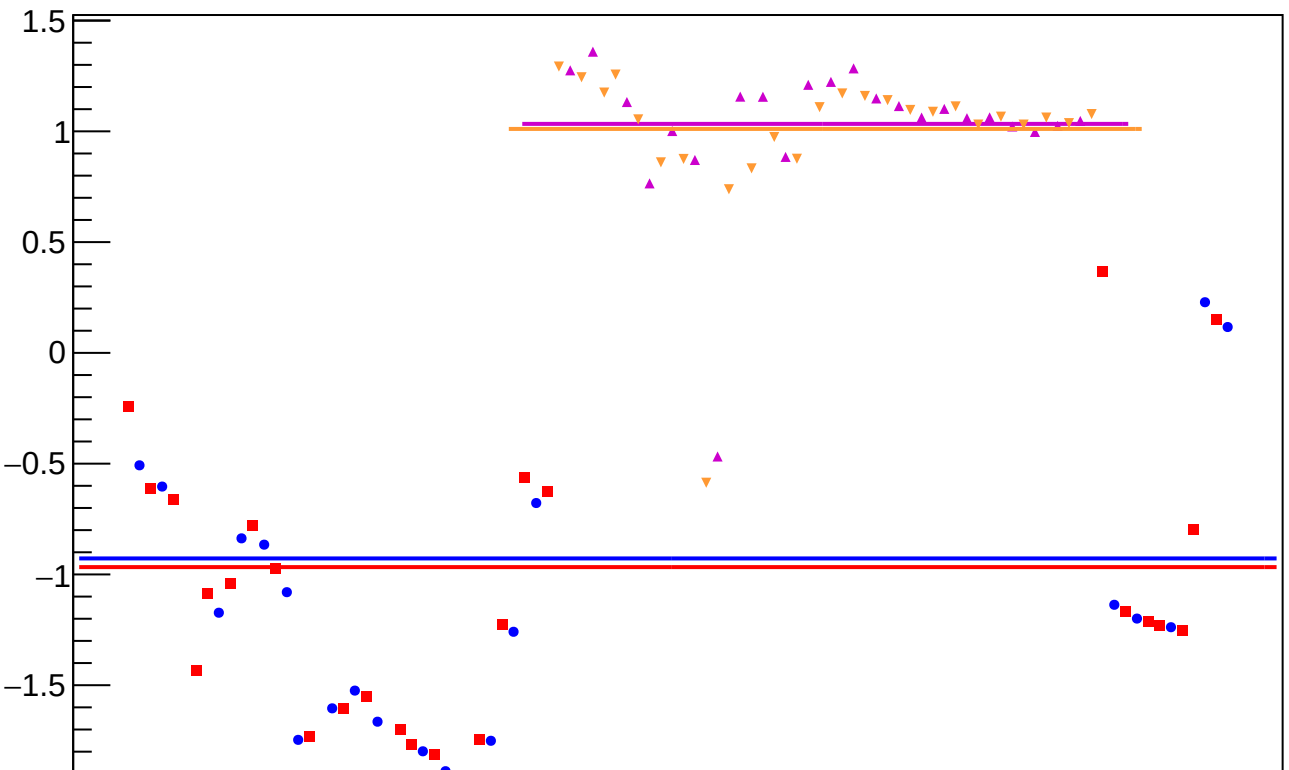
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2758036.8/45

All: 0.011+/-0.000 χ^2/NDF: 5547017.5/94

- sign 0.011+/-0.000 χ^2/NDF: 2786842.5/48

yield_bpm1i06Y_mean vs Slug



Right In: -0.928+/-0.000 χ^2/NDF: 113984568439.2/20

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.967+/-0.000 χ^2/NDF: 91745056462.7/25

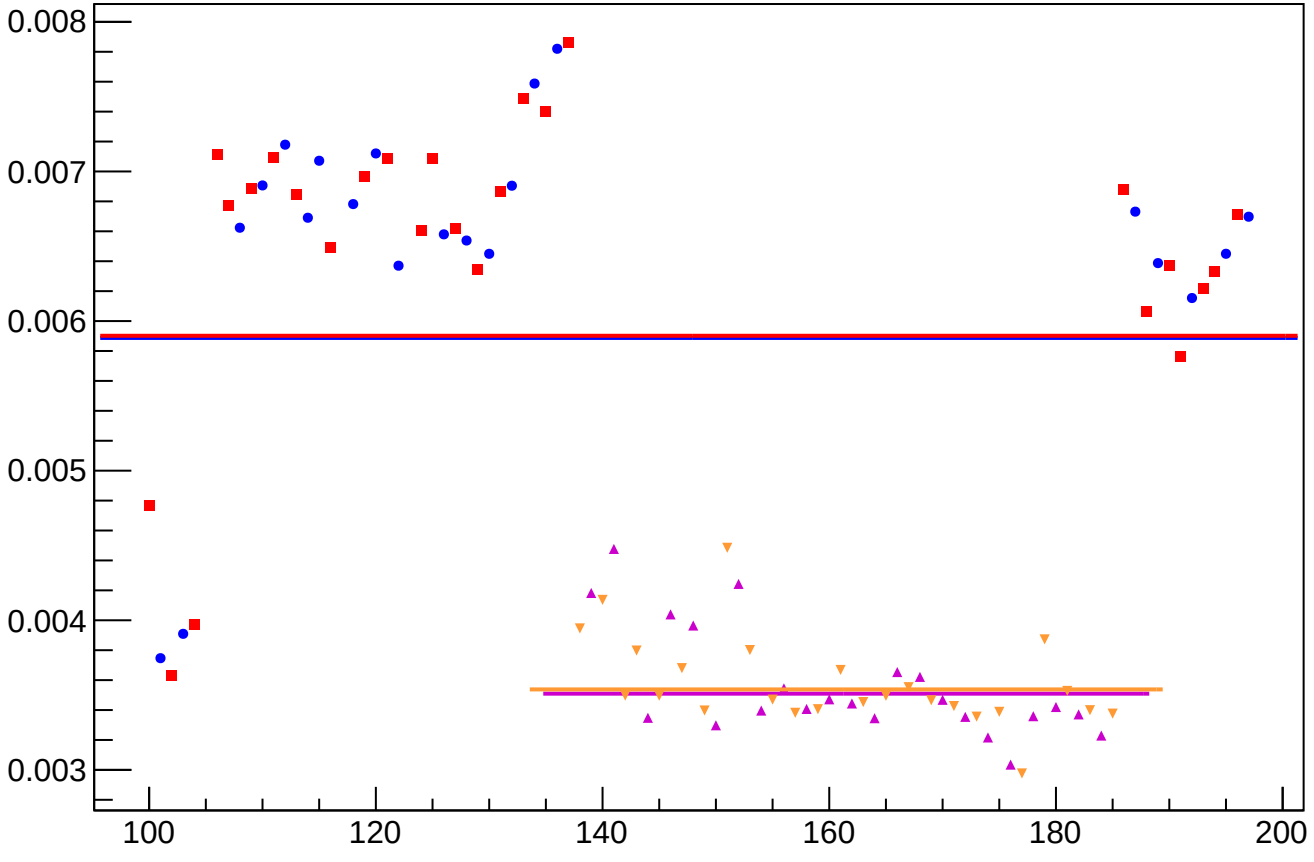
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.692+/-0.000 χ^2/NDF: 1093141539463.0/45

All: 0.677+/-0.000 χ^2/NDF: 2312692708584.

- sign 0.662+/-0.000 χ^2/NDF: 1218764040046.1/48

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1013791.2/20

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1055251.7/25

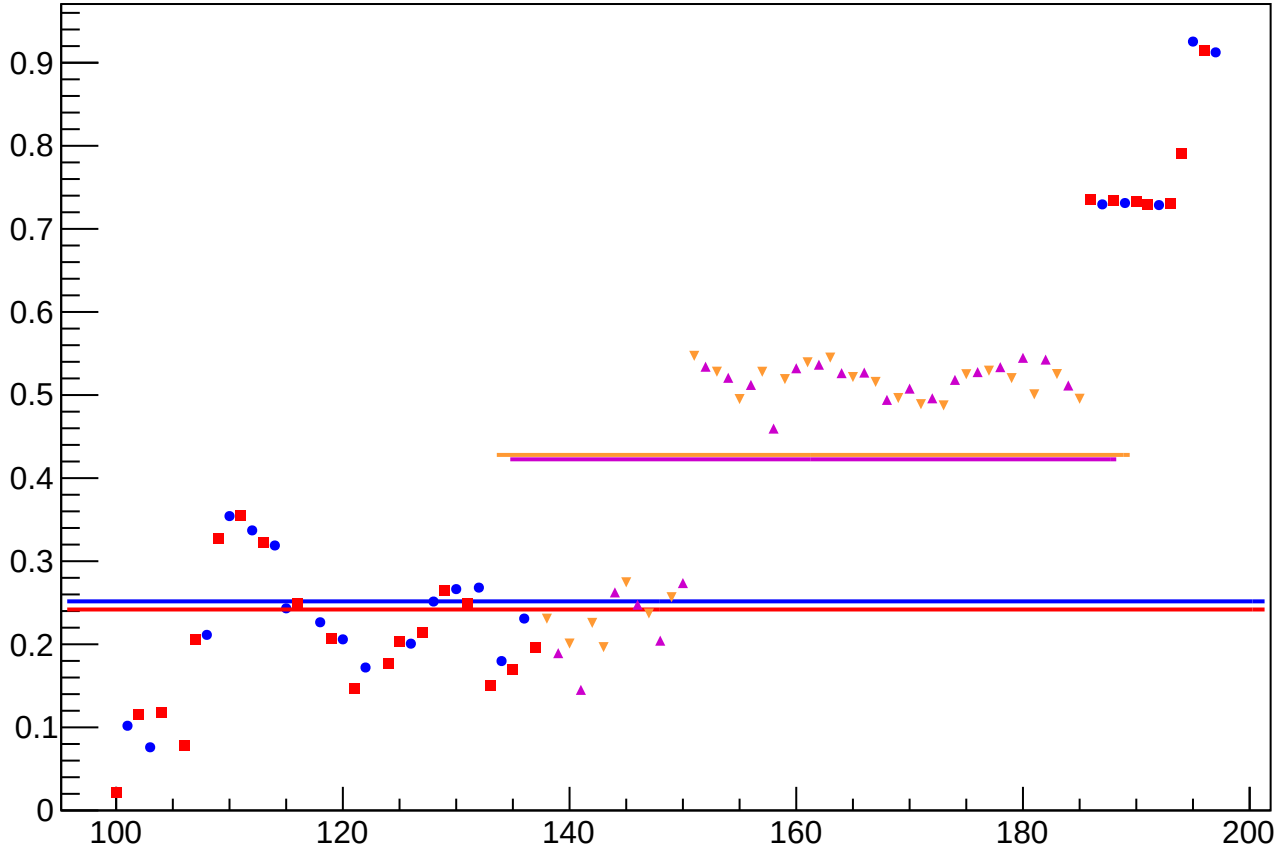
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 3779067.4/45

All: 0.004+/-0.000 χ^2/NDF: 7984985.7/94

- sign 0.004+/-0.000 χ^2/NDF: 4204370.1/48

yield_bpm2i01X_mean vs Slug



Right In: 0.252+/-0.000 χ^2/NDF: 86396176700.4/20

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.242+/-0.000 χ^2/NDF: 104292520656.6/25

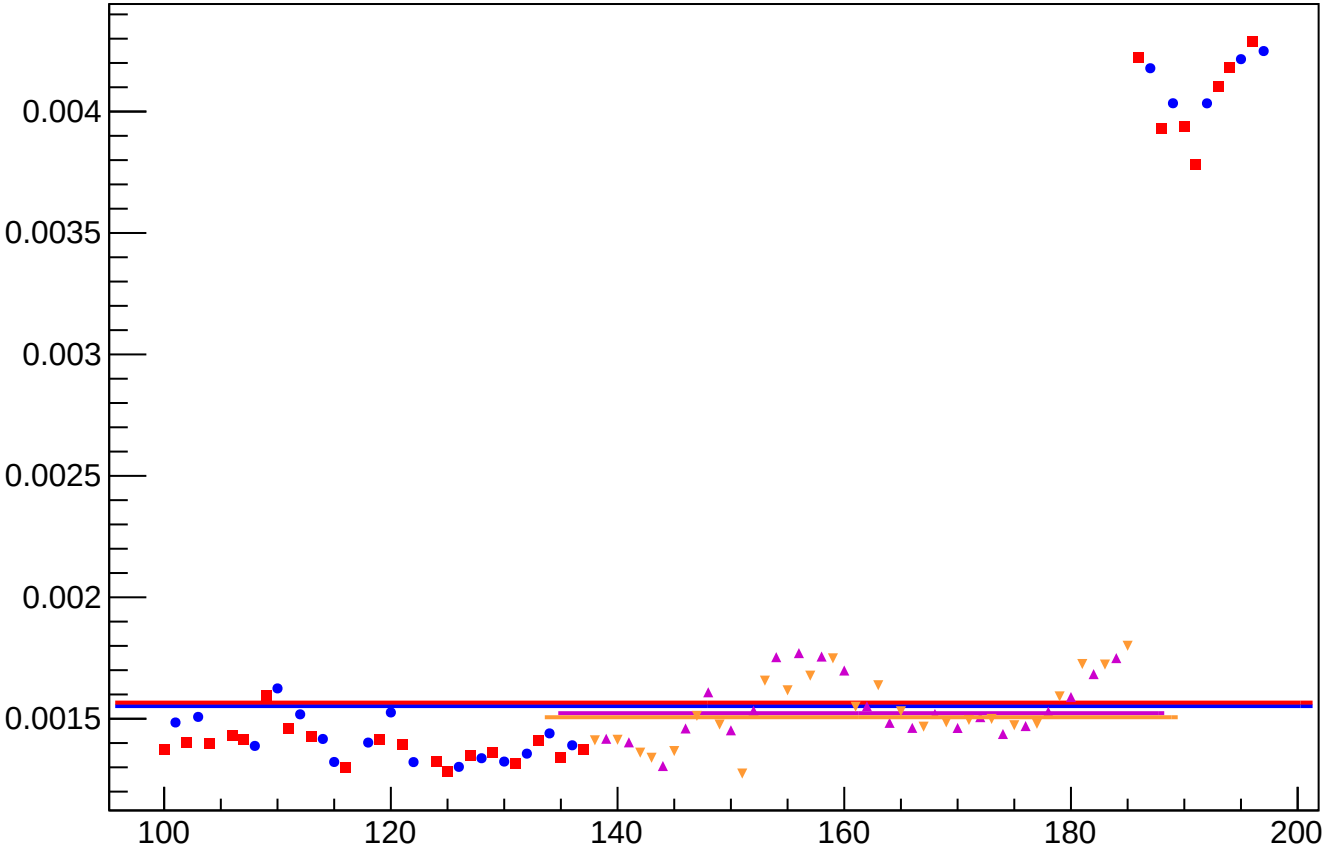
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.374+/-0.000 χ^2/NDF: 320112135644.2/45

All: 0.367+/-0.000 χ^2/NDF: 670656911572.2

- sign 0.360+/-0.000 χ^2/NDF: 349461645495.8/48

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2849935.7/20

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

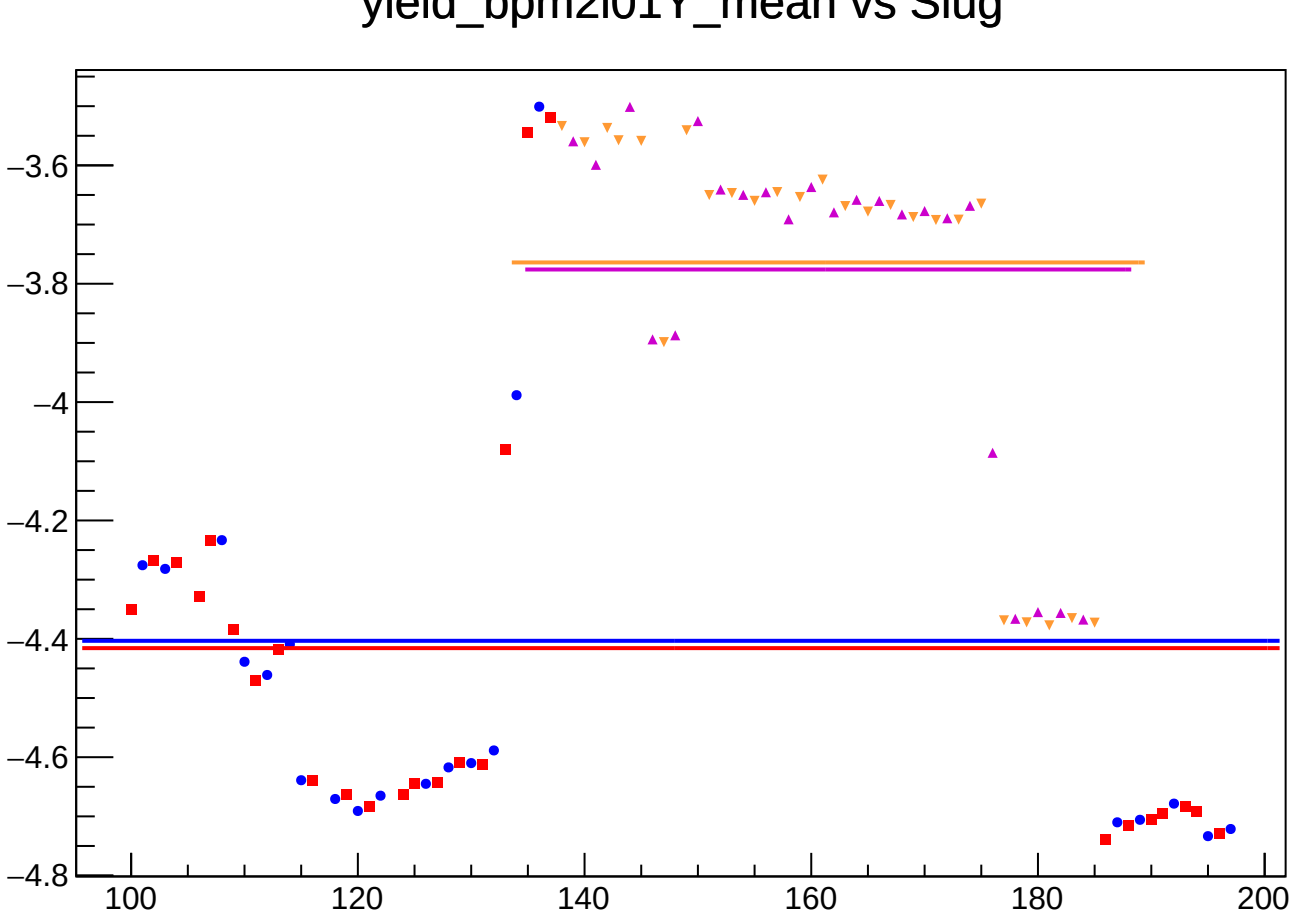
Right Out: 0.002+/-0.000 χ^2/NDF: 3656142.8/25

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 3139691.5/45

All: 0.002+/-0.000 χ^2/NDF: 7044348.8/94

- sign 0.002+/-0.000 χ^2/NDF: 3900959.0/48



Right In: -4.403+/-0.000 χ^2/NDF: 386321329545.2/20

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.416+/-0.000 χ^2/NDF: 338736037480.6/25

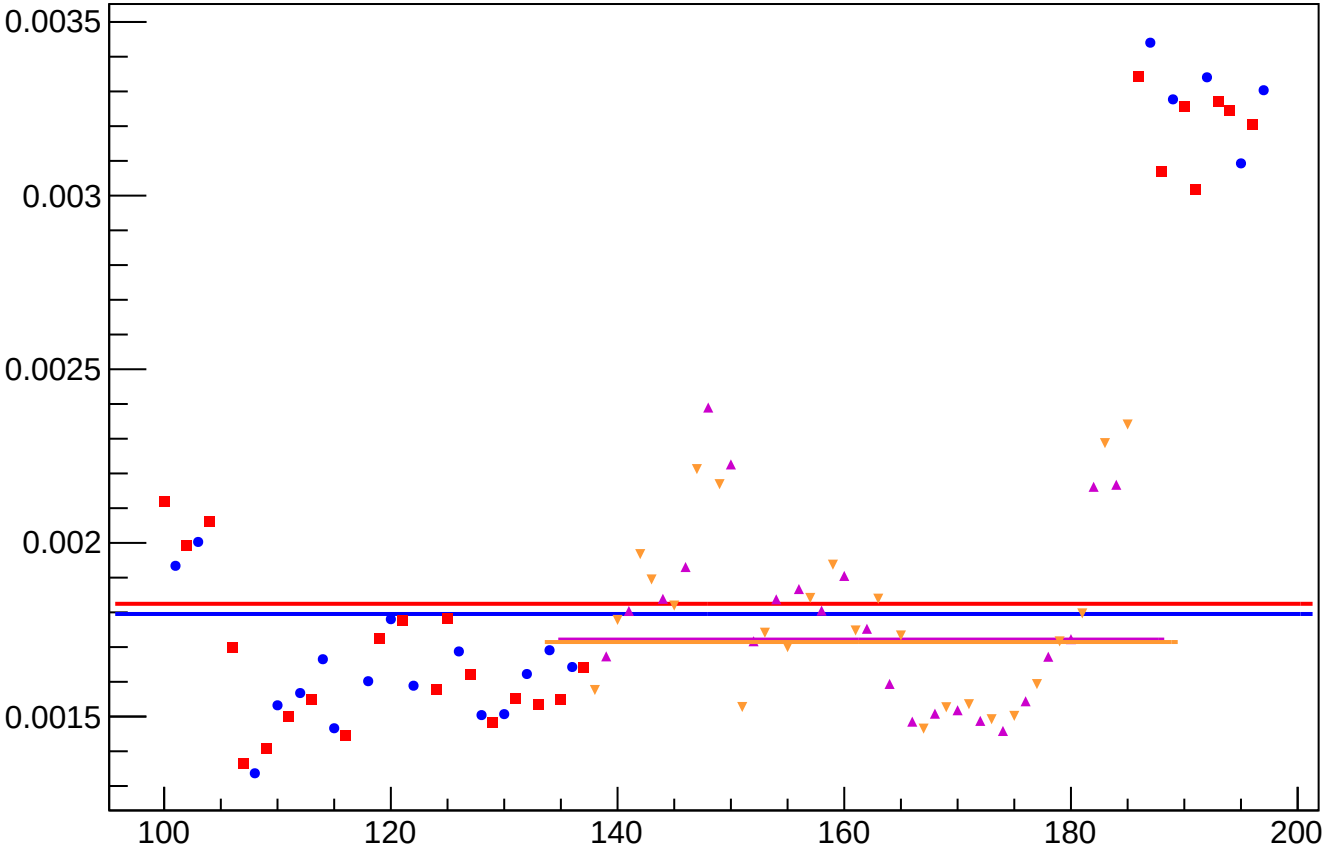
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.967+/-0.000 χ^2/NDF: 1687993783223.3/4

All: -3.983+/-0.000 χ^2/NDF: 3281101546188

- sign -3.999+/-0.000 χ^2/NDF: 1588305155287.3/48

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1646583.4/20

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2066931.0/25

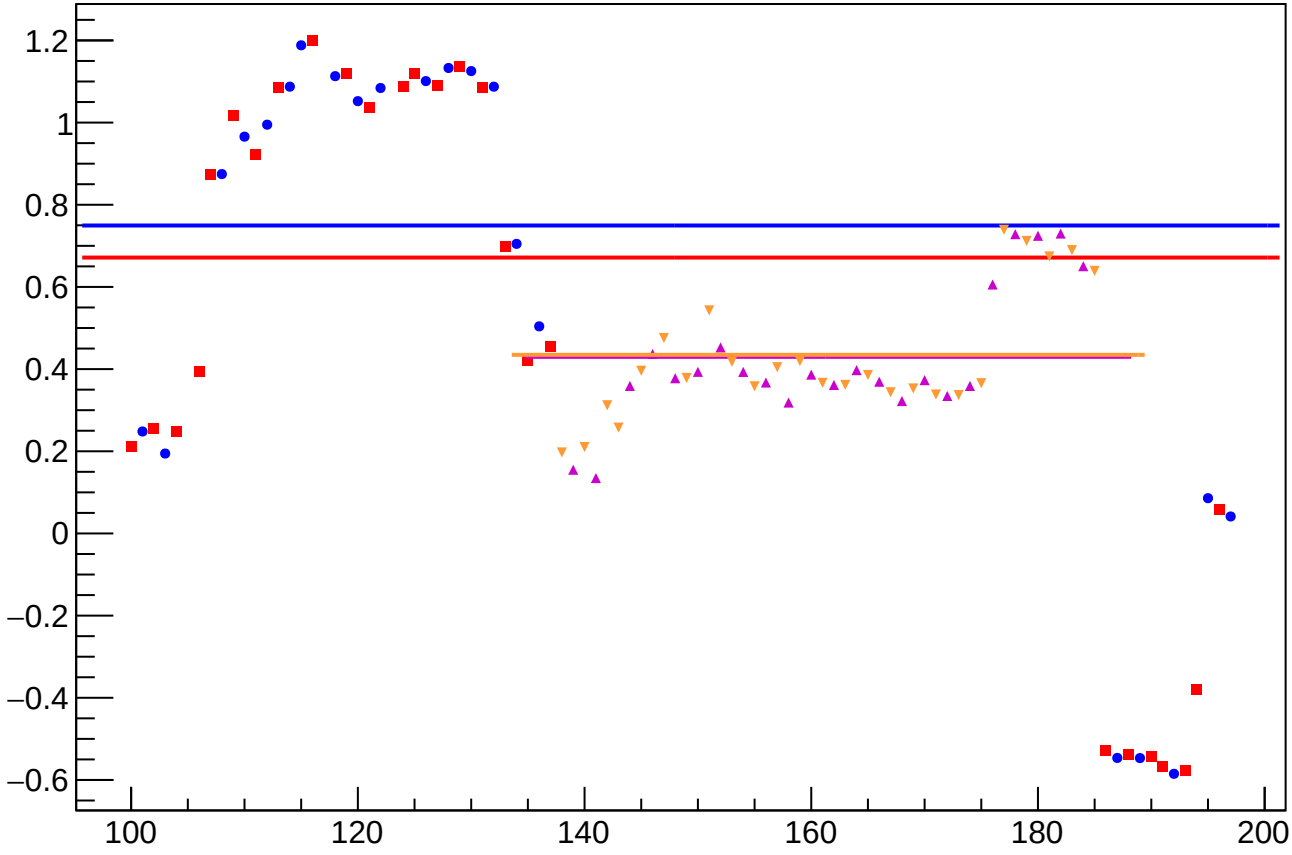
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 2235025.8/45

All: 0.002+/-0.000 χ^2/NDF: 4930521.6/94

- sign 0.002+/-0.000 χ^2/NDF: 2692726.2/48

yield_bpm2i02X_mean vs Slug



Right In: 0.750+/-0.000 χ^2/NDF: 53201462293.0/20

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.671+/-0.000 χ^2/NDF: 76352387350.9/25

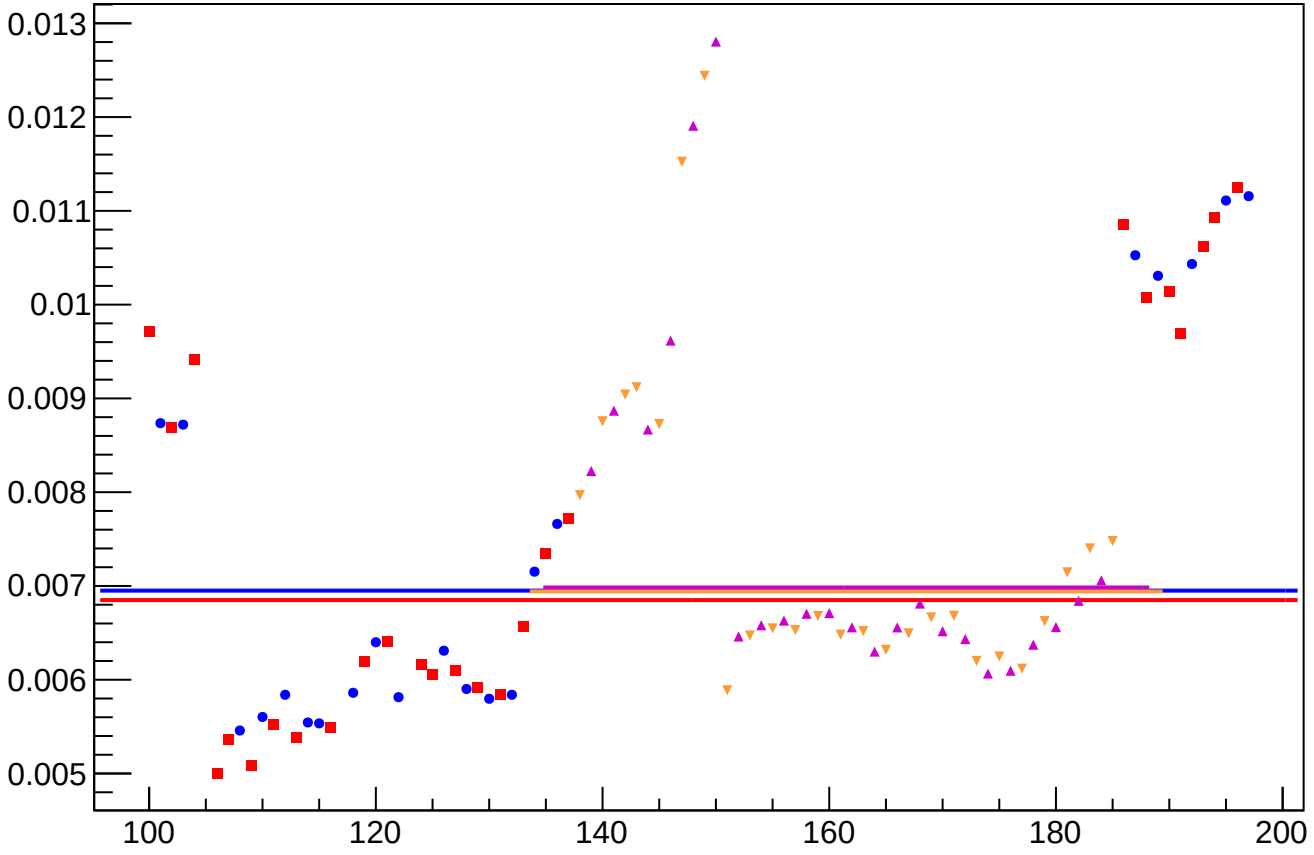
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.544+/-0.000 χ^2/NDF: 75012022682.9/45

All: 0.534+/-0.000 χ^2/NDF: 168830167026.1

- sign 0.525+/-0.000 χ^2/NDF: 93714657373.1/48

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 1331241.3/20

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

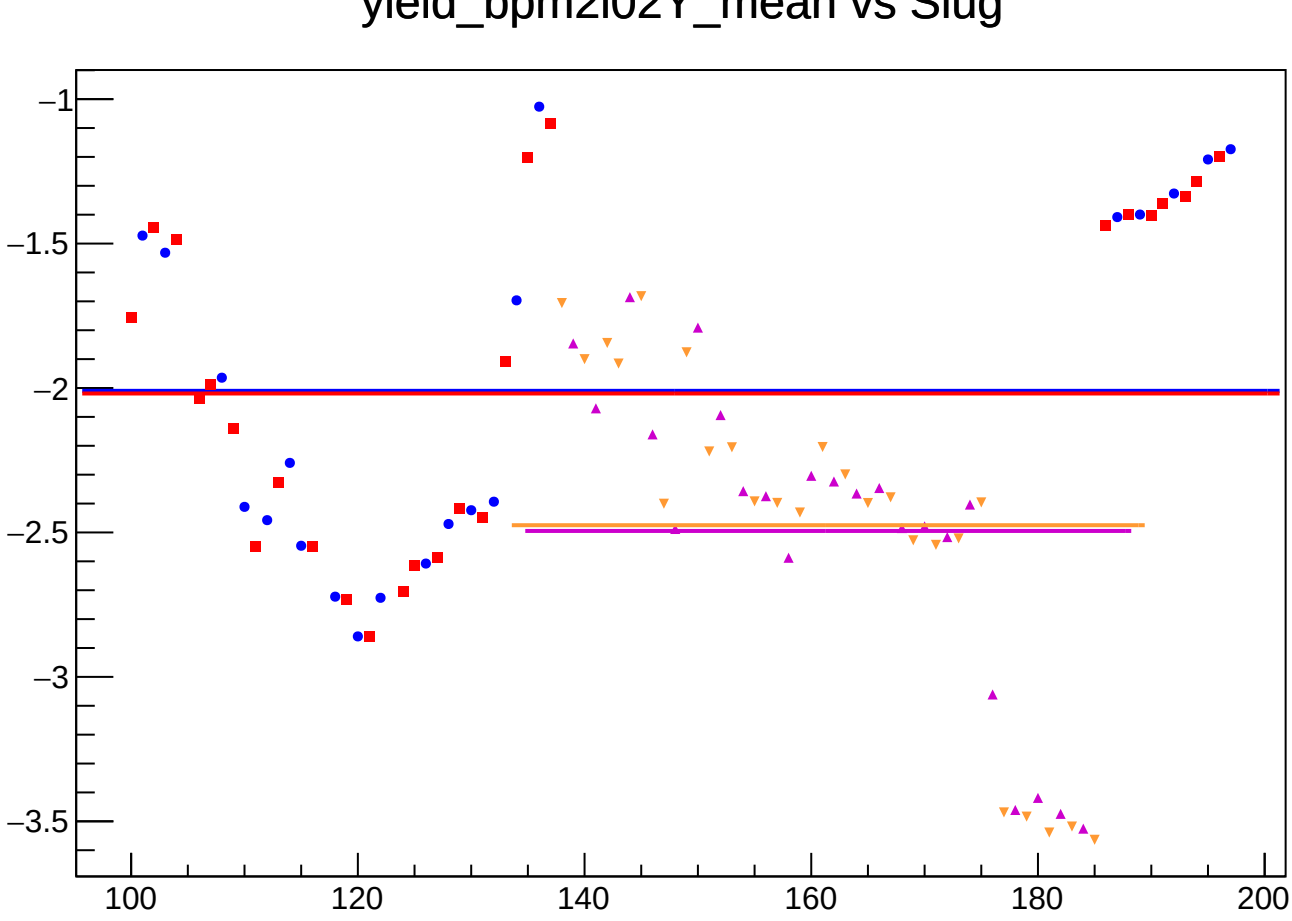
Right Out: 0.007+/-0.000 χ^2/NDF: 1777492.4/25

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 2422176.7/45

All: 0.007+/-0.000 χ^2/NDF: 5341472.7/94

- sign 0.007+/-0.000 χ^2/NDF: 2919182.4/48



Right In: -2.010+/-0.000 χ^2/NDF: 89164666225.6/20

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -2.019+/-0.000 χ^2/NDF: 85687942729.9/25

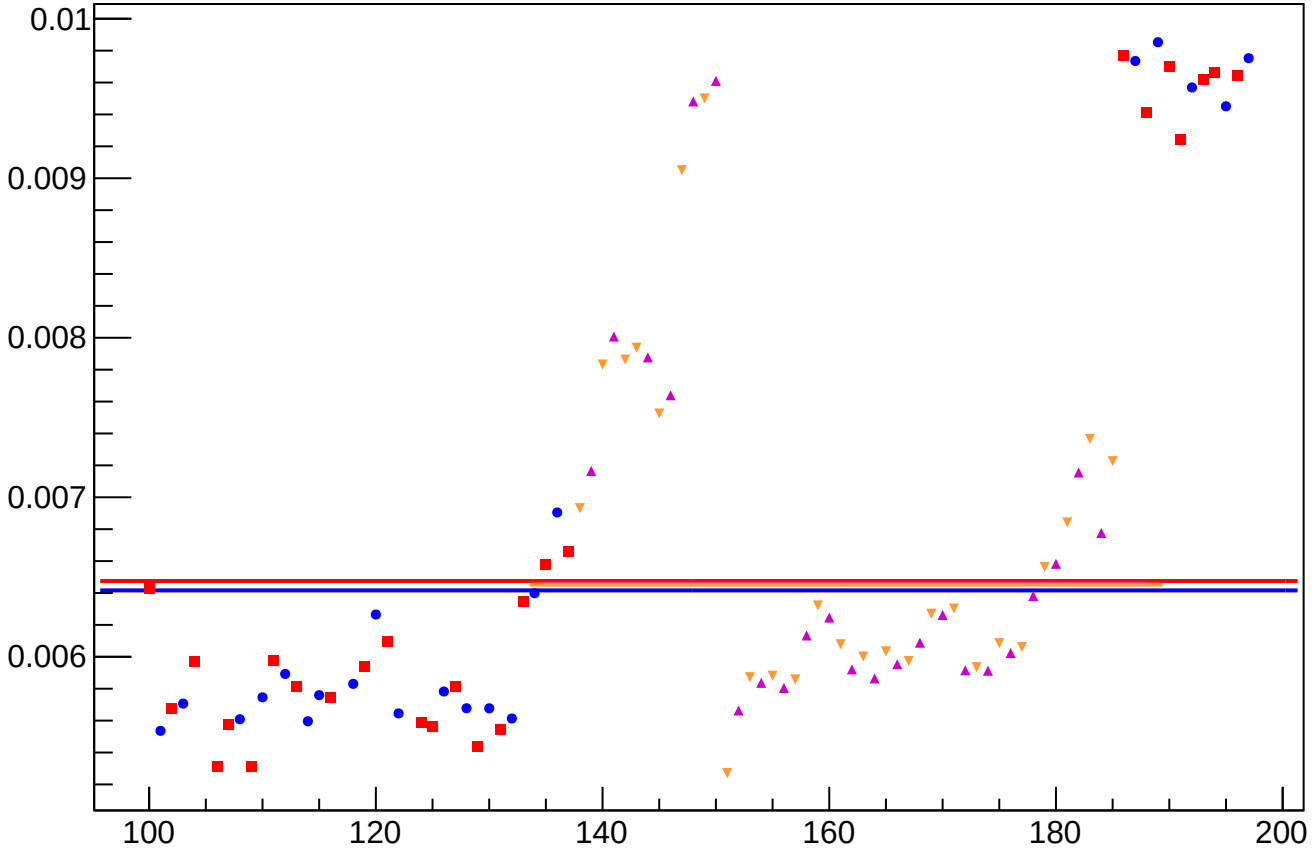
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.312+/-0.000 χ^2/NDF: 246661354869.6/45

All: -2.311+/-0.000 χ^2/NDF: 466669715611.9

- sign -2.311+/-0.000 χ^2/NDF: 220008222939.6/48

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 948296.0/20

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1196388.1/25

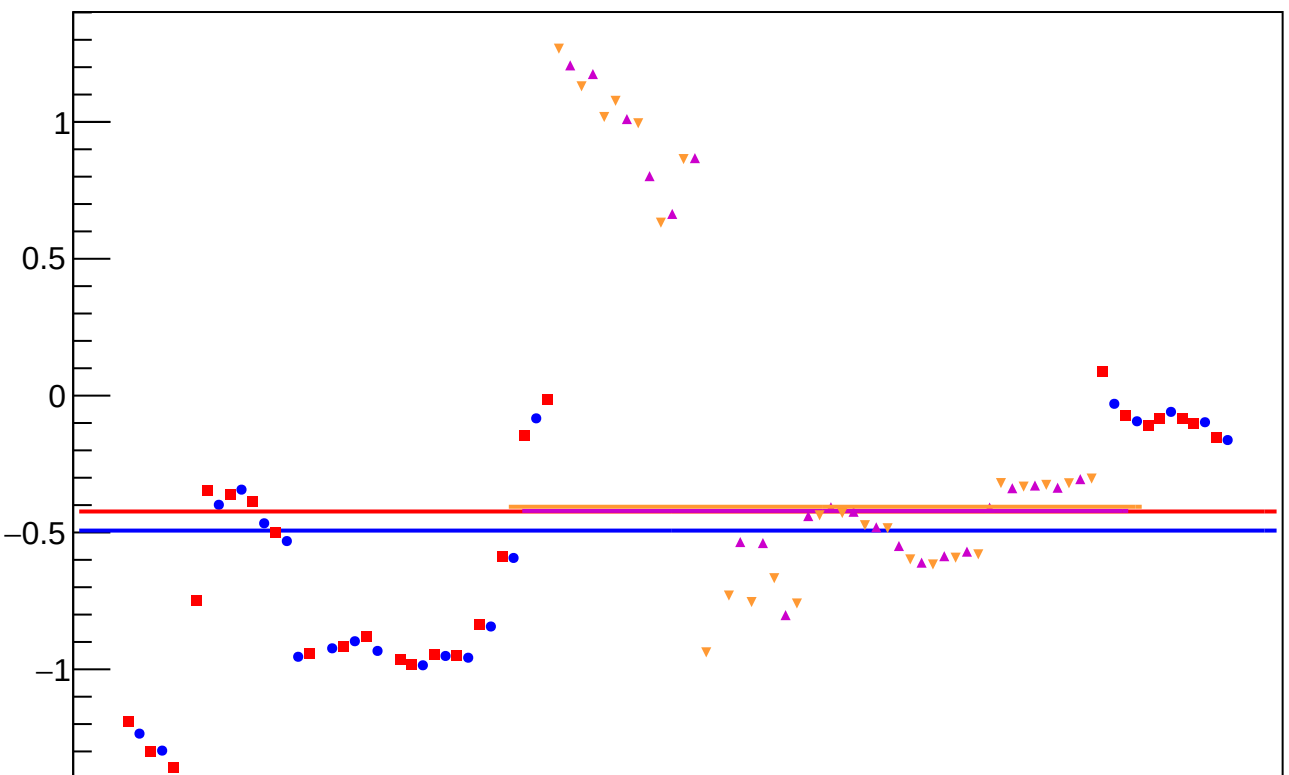
Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 1661950.3/45

All: 0.006+/-0.000 χ^2/NDF: 3579550.2/94

- sign 0.006+/-0.000 χ^2/NDF: 1917090.7/48

yield_bpm0i01X_mean vs Slug



Right In: -0.493+/-0.000 χ^2/NDF: 21979322135.6/20

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.423+/-0.000 χ^2/NDF: 25796719000.1/25

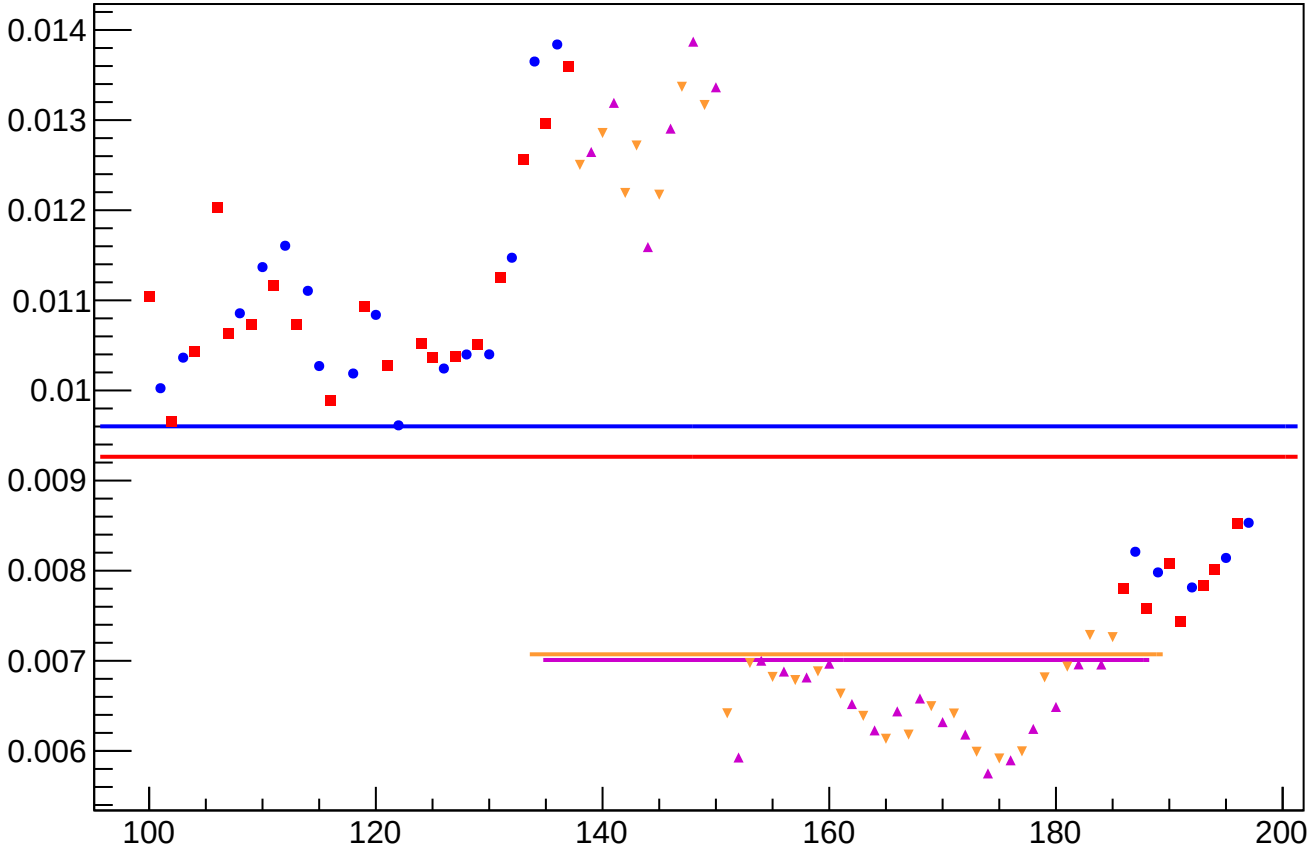
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.427+/-0.000 χ^2/NDF: 104251244137.8/45

All: -0.424+/-0.000 χ^2/NDF: 220295534694.3

- sign -0.422+/-0.000 χ^2/NDF: 116038882675.4/48

yield_bpm0i01X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 584041.9/20

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

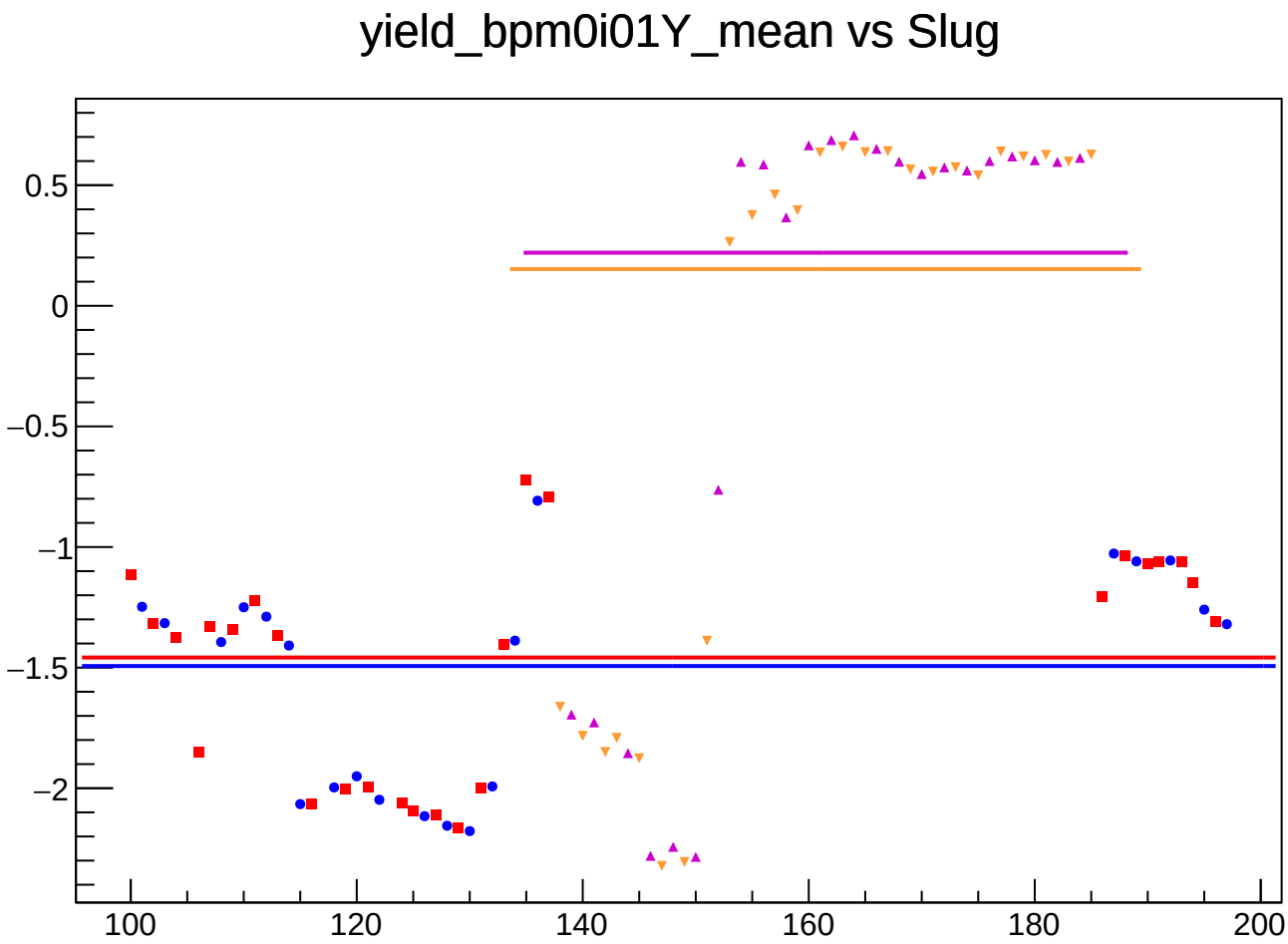
Right Out: 0.009+/-0.000 χ^2/NDF: 662701.2/25

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4044204.8/45

All: 0.008+/-0.000 χ^2/NDF: 8132358.0/94

- sign 0.008+/-0.000 χ^2/NDF: 4087657.2/48



Right In: -1.493+/-0.000 χ^2/NDF: 180757152198.5/20

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.458+/-0.000 χ^2/NDF: 170863630410.4/25

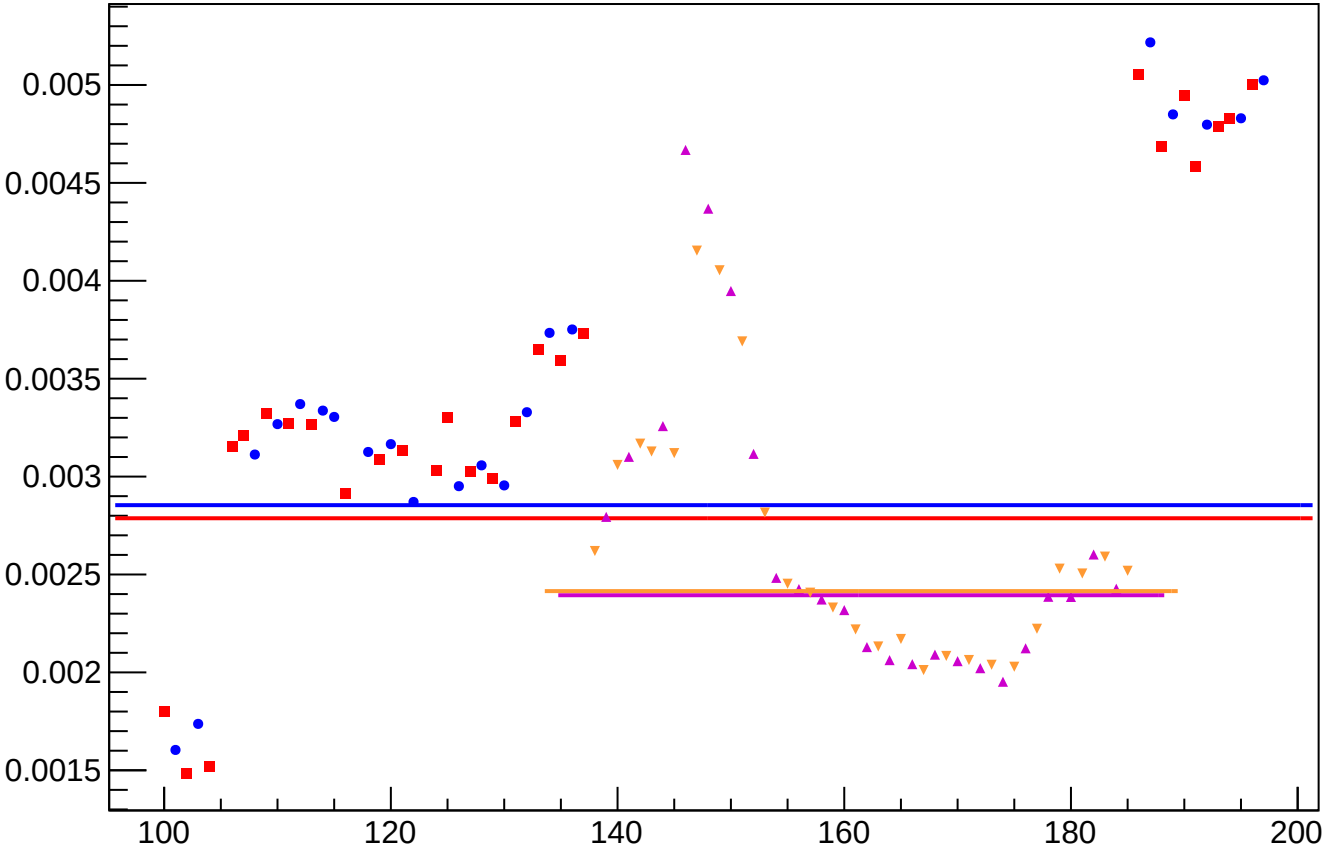
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.287+/-0.000 χ^2/NDF: 4694996561185.1/4

All: -0.286+/-0.000 χ^2/NDF: 9355072251276

- sign -0.286+/-0.000 χ^2/NDF: 4660072051631.3/48

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 2475705.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

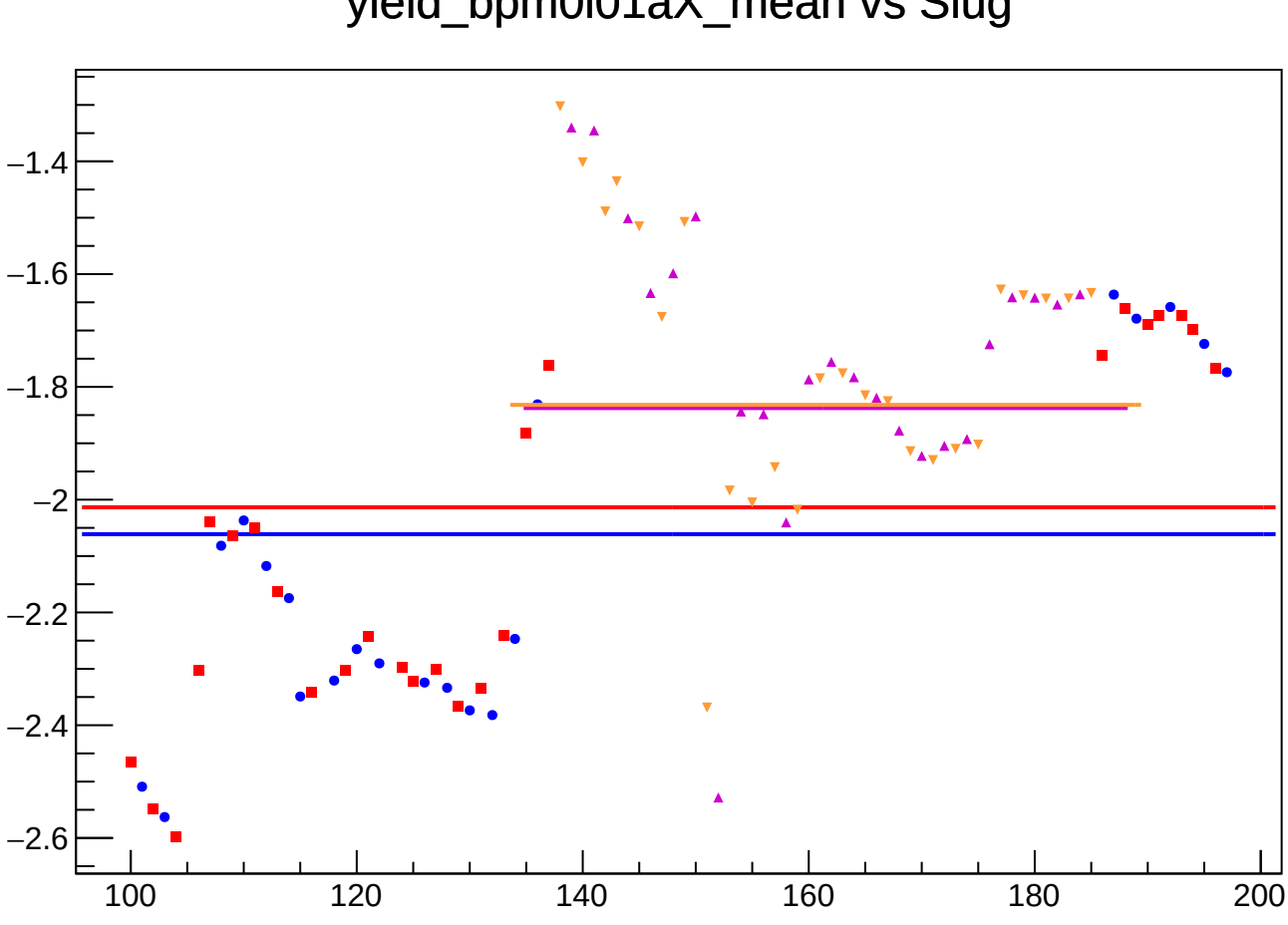
Right Out: 0.003+/-0.000 χ^2/NDF: 3388861.4/25

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 3997139.5/45

All: 0.003+/-0.000 χ^2/NDF: 9056930.0/94

- sign 0.003+/-0.000 χ^2/NDF: 5058231.7/48



Right In: -2.061+/-0.000 χ^2/NDF: 29088418773.1/20

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -2.013+/-0.000 χ^2/NDF: 34632827433.3/25

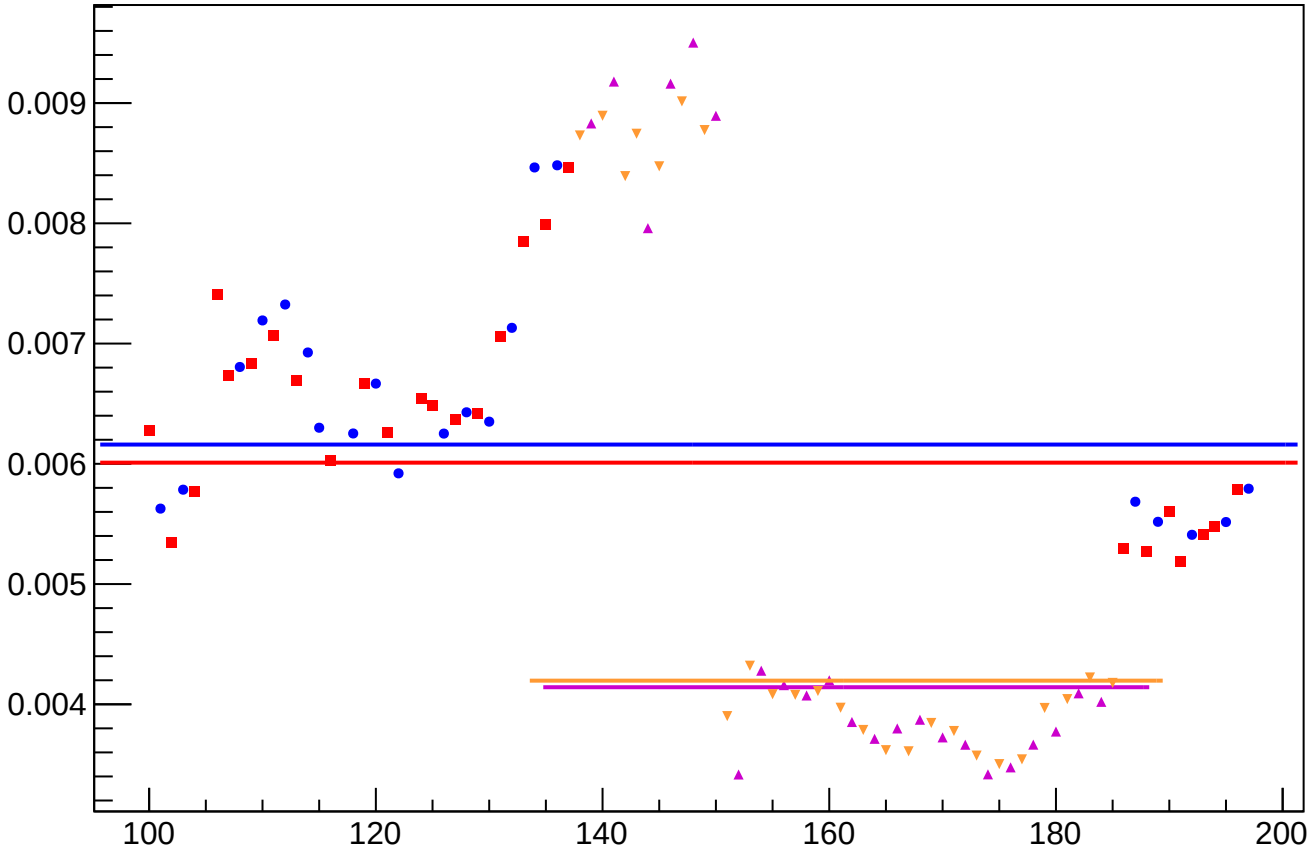
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.881+/-0.000 χ^2/NDF: 78493253411.2/45

All: -1.881+/-0.000 χ^2/NDF: 173863588196.4

- sign -1.882+/-0.000 χ^2/NDF: 95370186542.9/48

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 356192.9/20

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 375473.3/25

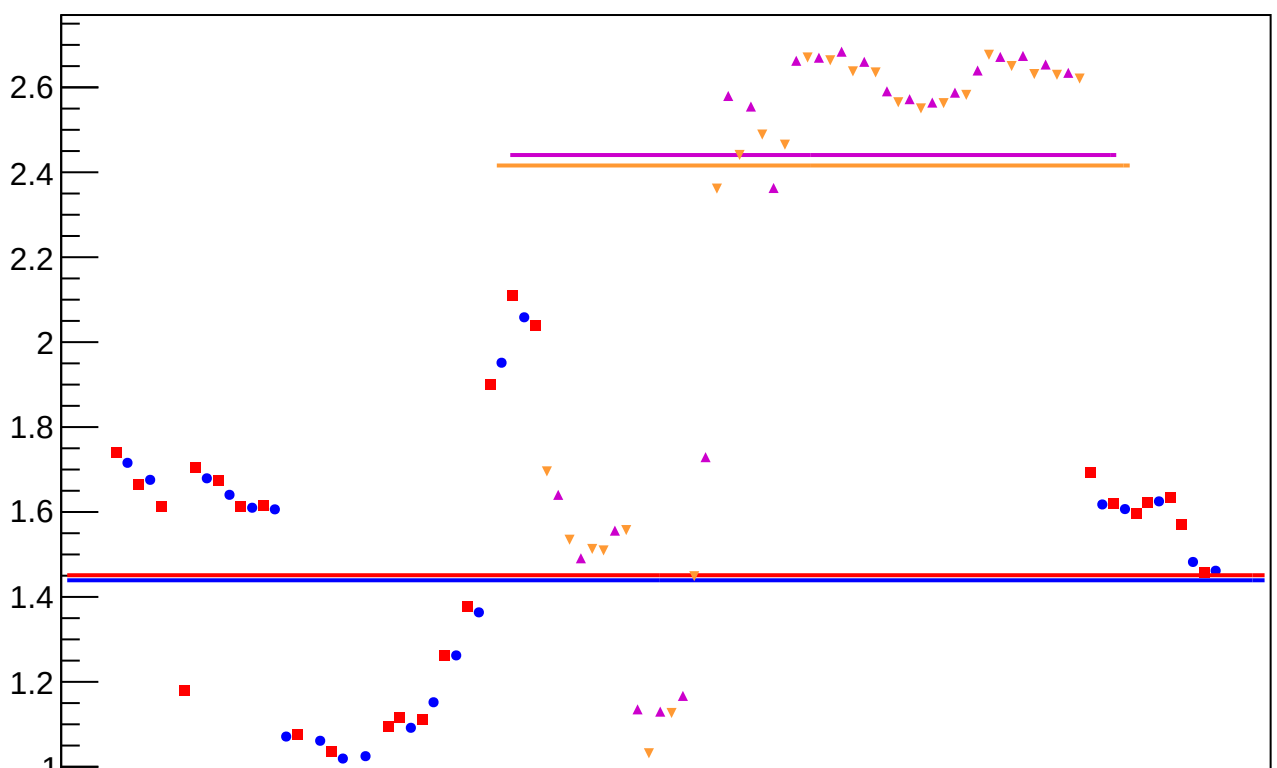
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5067100.6/45

All: 0.005+/-0.000 χ^2/NDF: 10282453.8/94

- sign 0.005+/-0.000 χ^2/NDF: 5215253.2/48

yield_bpm0i01aY_mean vs Slug



Right In: 1.439+/-0.000 χ^2/NDF: 191283688025.3/20

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.451+/-0.000 χ^2/NDF: 186301858996.1/25

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.899+/-0.000 χ^2/NDF: 1218315490714.0/45

All: 1.899+/-0.000 χ^2/NDF: 2431453397431.

- sign 1.898+/-0.000 χ^2/NDF: 1213137518810.2/48

yield_bpm0i01aY_rms vs Slug

Right In: 0.002+/-0.000 χ^2/NDF: 2538144.0/20

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

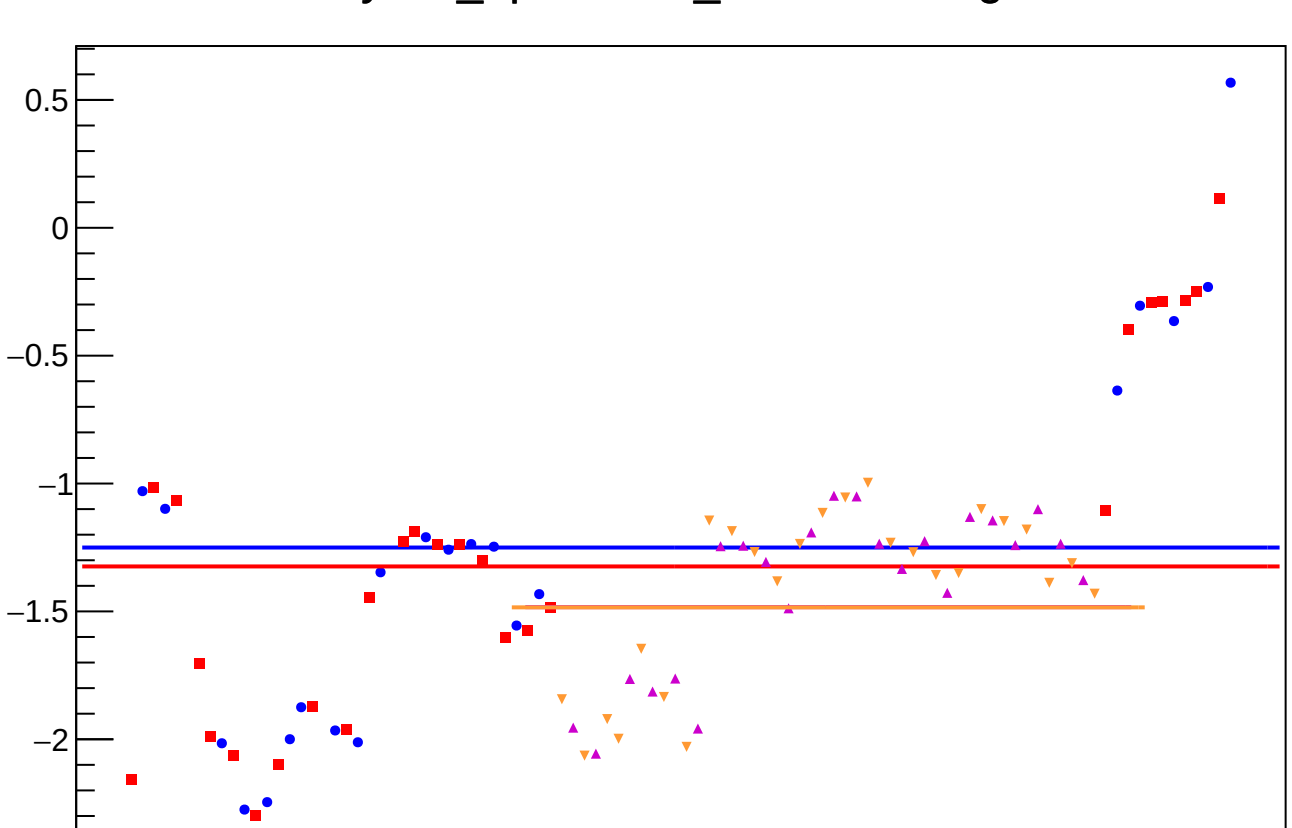
Right Out: 0.002+/-0.000 χ^2/NDF: 3082855.6/25

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 6373256.0/45

All: 0.003+/-0.000 χ^2/NDF: 13115036.3/94

- sign 0.003+/-0.000 χ^2/NDF: 6741512.6/48



Right In: -1.250+/-0.000 χ^2/NDF: 75909394763.9/20

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.324+/-0.000 χ^2/NDF: 90921627024.5/25

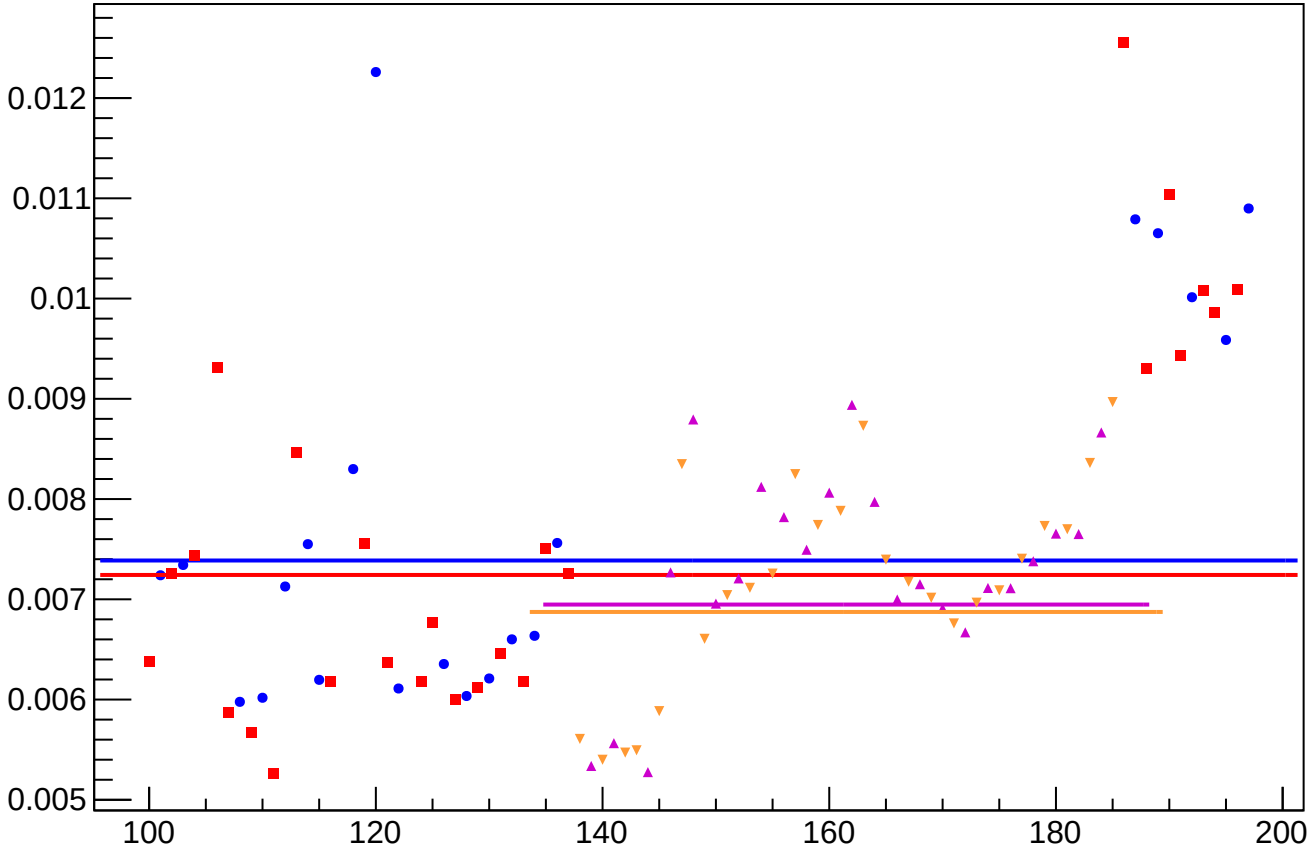
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.411+/-0.000 χ^2/NDF: 130874707948.3/45

All: -1.418+/-0.000 χ^2/NDF: 265484430735.2

- sign -1.425+/-0.000 χ^2/NDF: 134559625282.2/48

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 862733.8/20

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

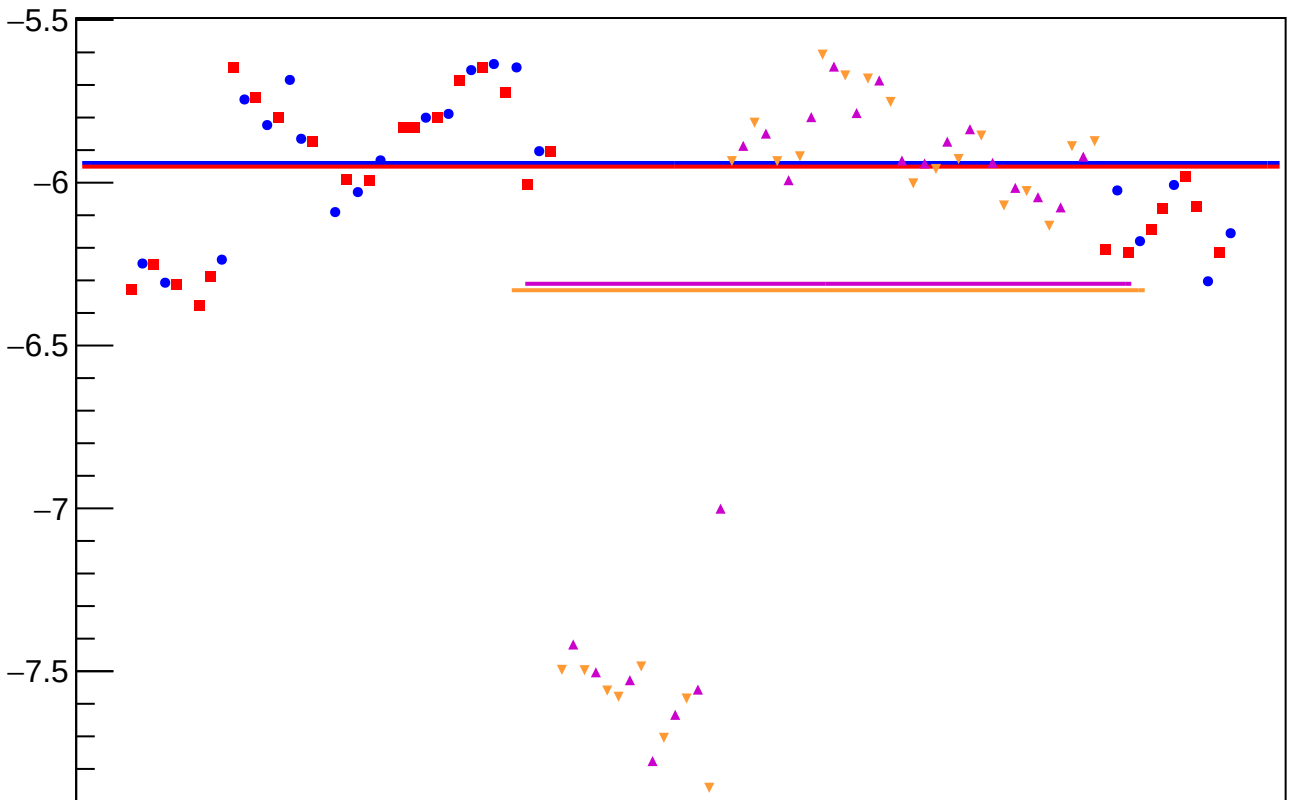
Right Out: 0.007+/-0.000 χ^2/NDF: 1105840.0/25

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1671071.3/45

All: 0.007+/-0.000 χ^2/NDF: 3546553.6/94

- sign 0.007+/-0.000 χ^2/NDF: 1875198.0/48



Right In: -5.940+/-0.000 χ^2/NDF: 12903137558.3/20

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.951+/-0.000 χ^2/NDF: 13808186734.3/25

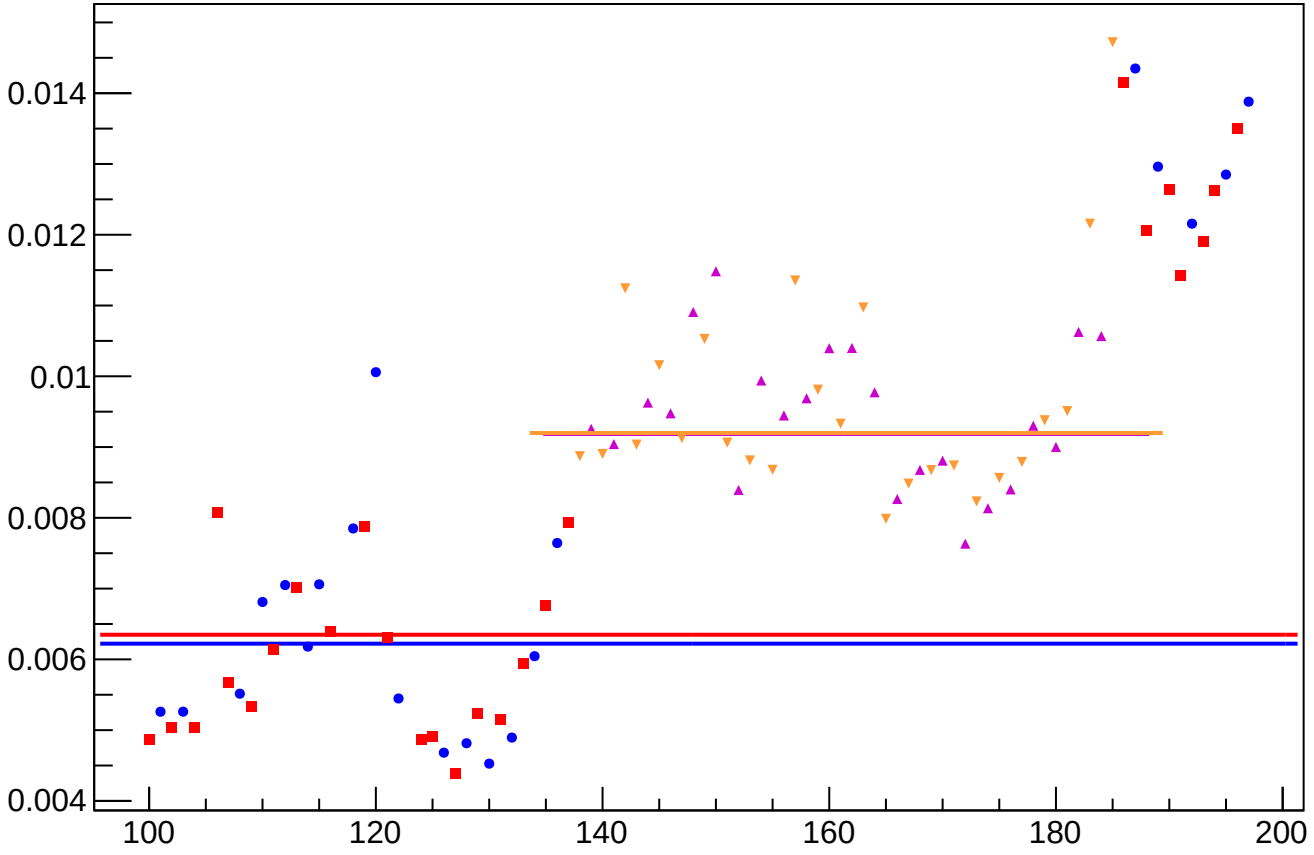
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.122+/-0.000 χ^2/NDF: 138749211681.6/45

All: -6.114+/-0.000 χ^2/NDF: 257658508227.1

- sign -6.107+/-0.000 χ^2/NDF: 118862428472.8/48

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2432263.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2727075.4/25

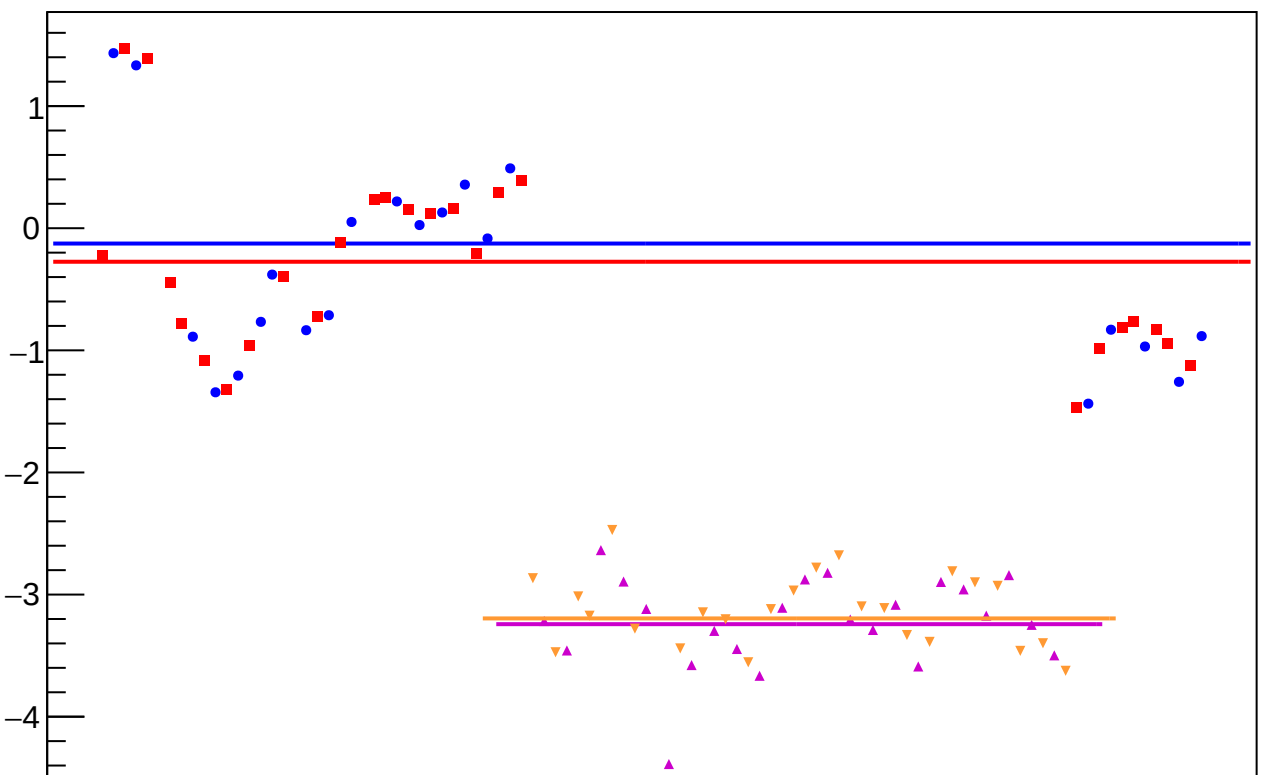
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 4600718.0/45

All: 0.008+/-0.000 χ^2/NDF: 9309329.9/94

- sign 0.008+/-0.000 χ^2/NDF: 4708181.6/48

yield_bpm0l02X_mean vs Slug



Right In: -0.125+/-0.000 χ^2/NDF: 29381663507.4/20

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.275+/-0.000 χ^2/NDF: 32250025684.2/25

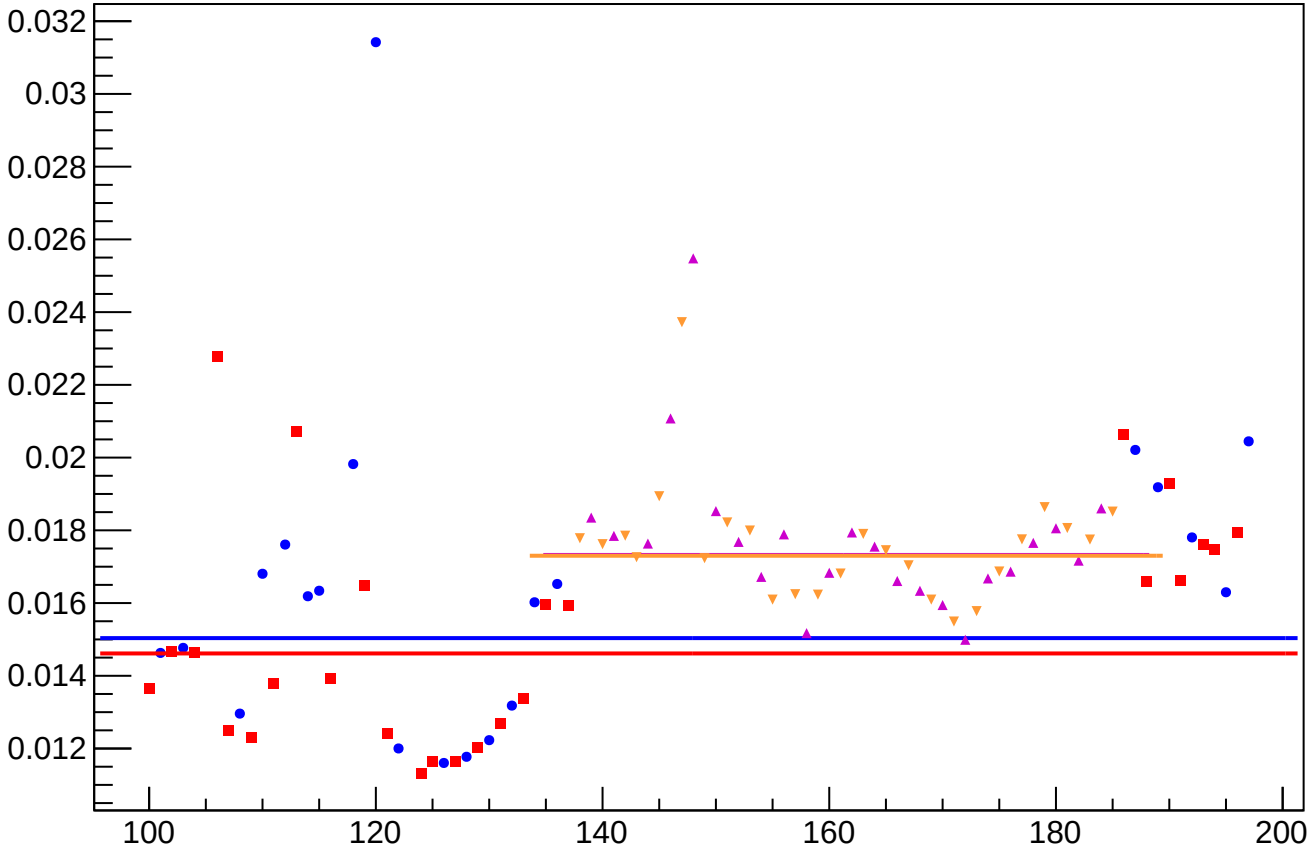
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.960+/-0.000 χ^2/NDF: 274267022559.2/45

All: -1.908+/-0.000 χ^2/NDF: 554837848435.5

- sign -1.859+/-0.000 χ^2/NDF: 280022672284.1/48

yield_bpm0l02X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 763040.1/20

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.015+/-0.000 χ^2/NDF: 686253.2/25

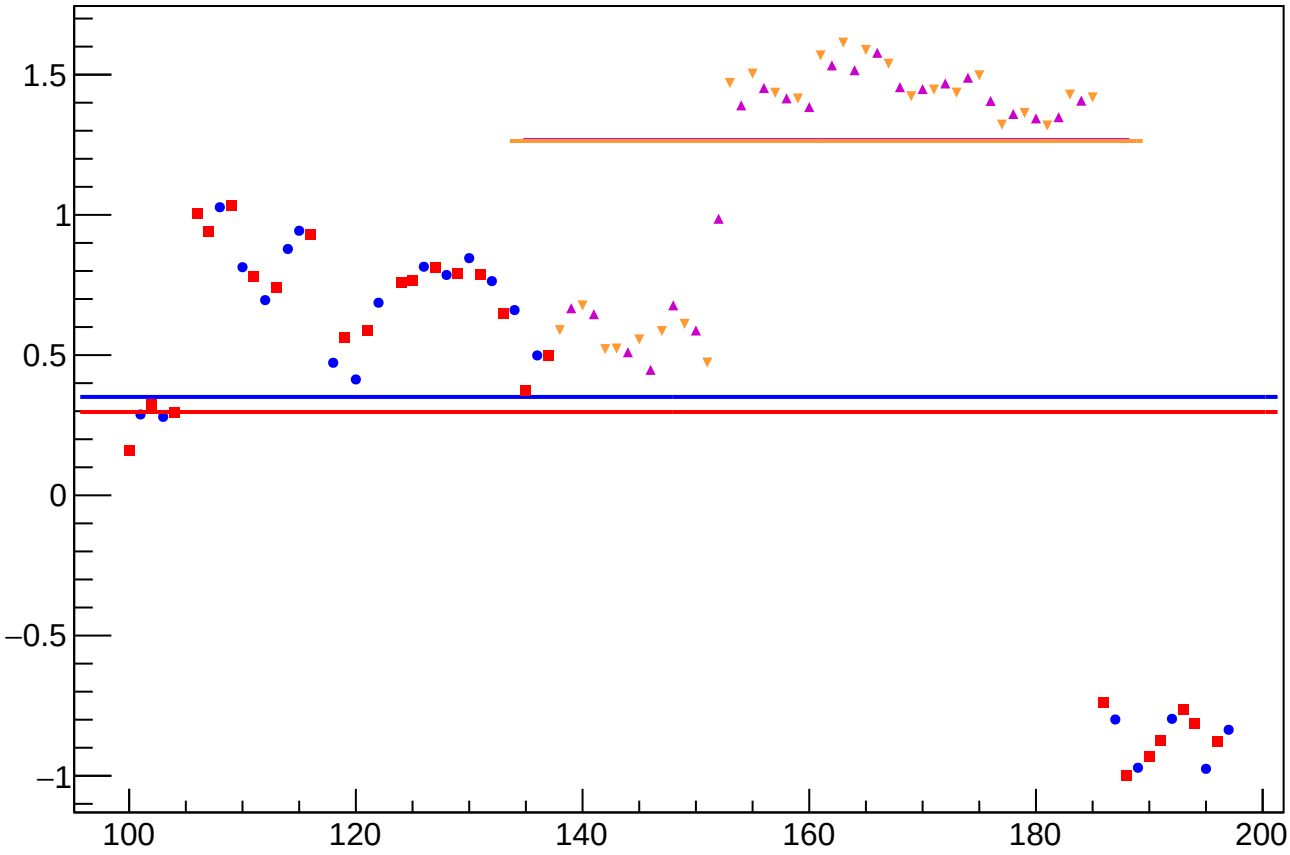
Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF: 1237292.4/45

All: 0.016+/-0.000 χ^2/NDF: 2664459.6/94

- sign 0.016+/-0.000 χ^2/NDF: 1415580.4/48

yield_bpm0l02Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF: 42494987128.5/20

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.297+/-0.000 χ^2/NDF: 56298397651.6/25

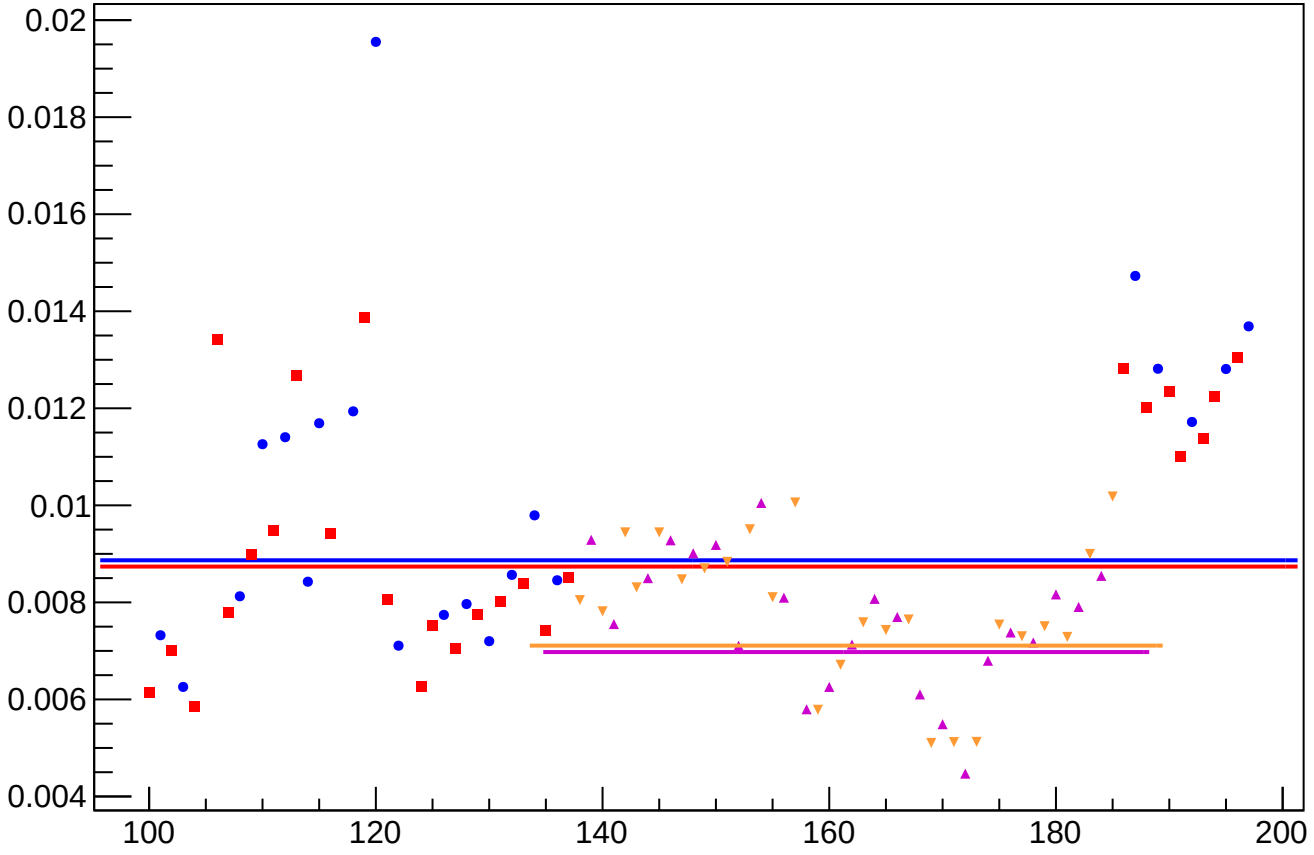
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.032+/-0.000 χ^2/NDF: 159251715687.9/45

All: 1.010+/-0.000 χ^2/NDF: 343570532075.2

- sign 0.989+/-0.000 χ^2/NDF: 183896605818.3/48

yield_bpm0l02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1342913.1/20

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

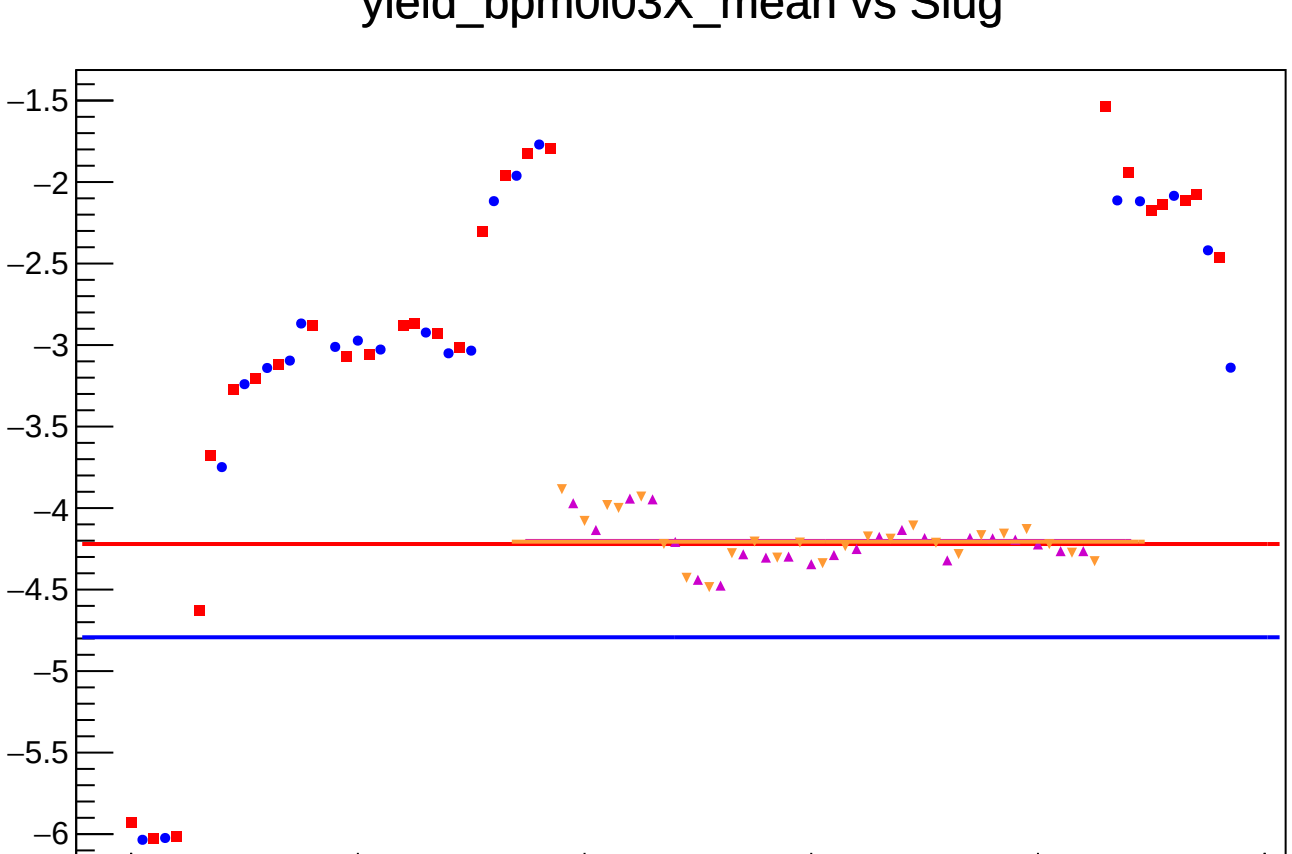
Right Out: 0.009+/-0.000 χ^2/NDF: 1454106.6/25

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 3390617.2/45

All: 0.008+/-0.000 χ^2/NDF: 6898481.1/94

- sign 0.007+/-0.000 χ^2/NDF: 3505323.5/48



Right In: -4.792+/-0.000 χ^2/NDF: 225874888914.3/20

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.220+/-0.000 χ^2/NDF: 288909004402.9/25

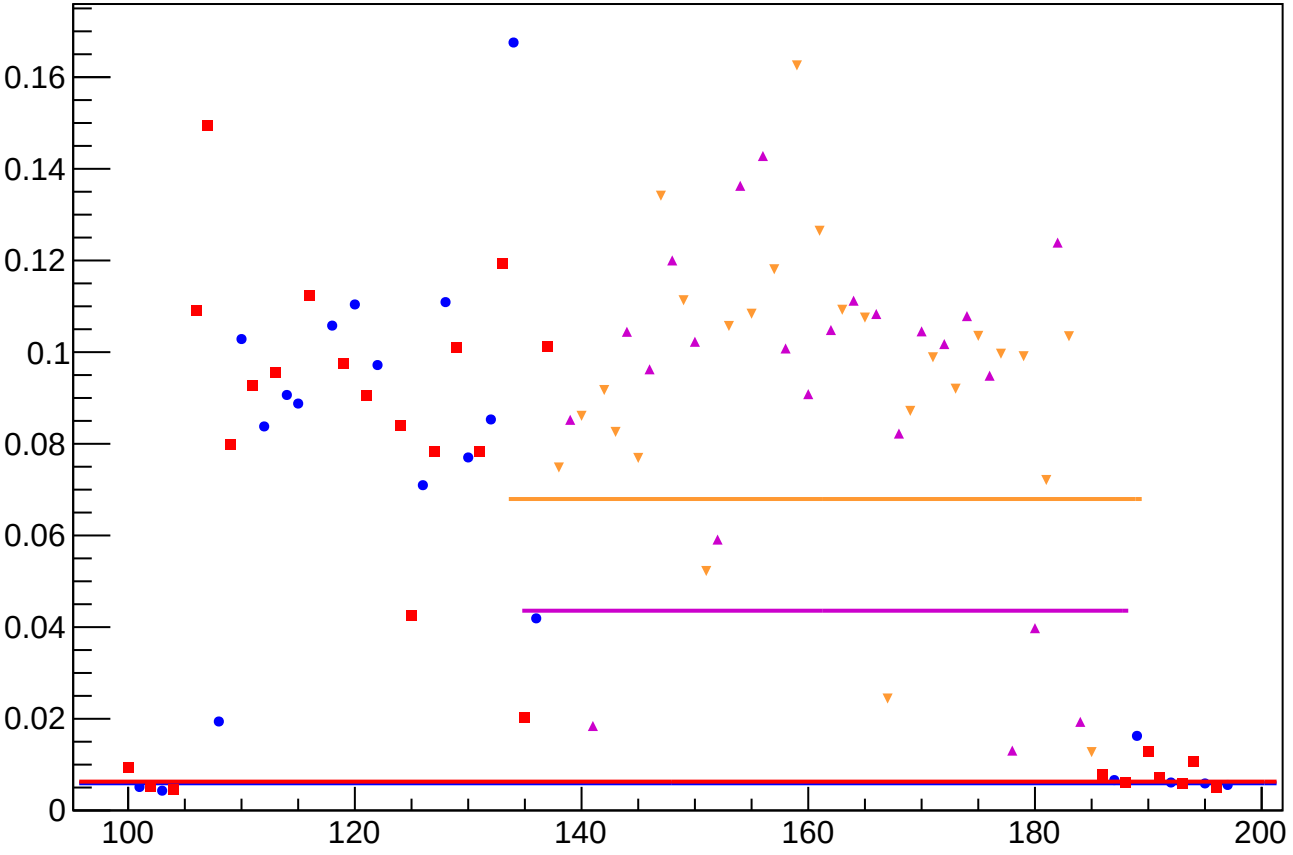
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.773+/-0.000 χ^2/NDF: 226821121089.0/45

All: -4.494+/-0.000 χ^2/NDF: 528150824229.5

- sign -4.220+/-0.000 χ^2/NDF: 288953118106.9/48

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8799046.0/20

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

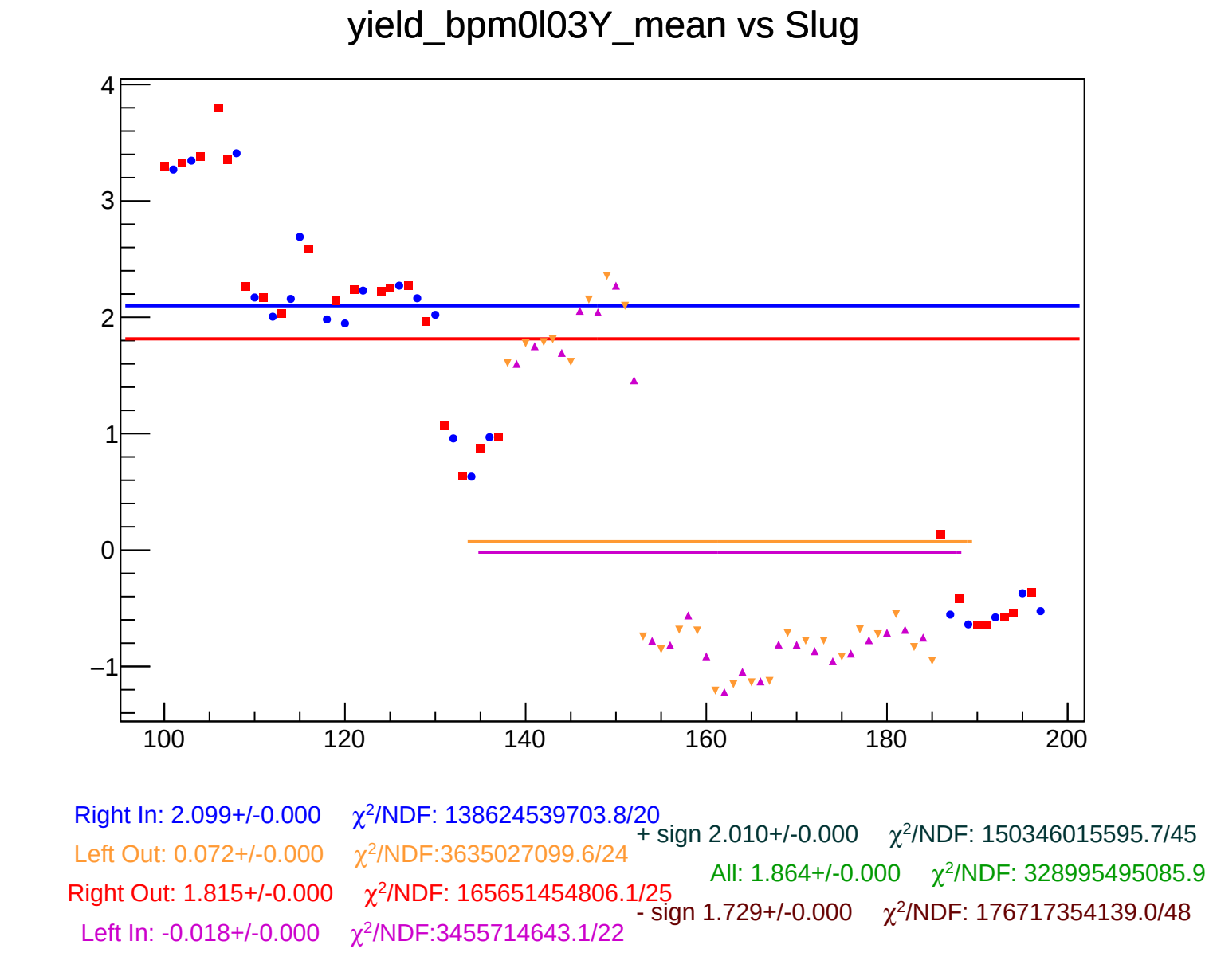
Right Out: 0.006+/-0.000 χ^2/NDF: 8911364.5/25

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

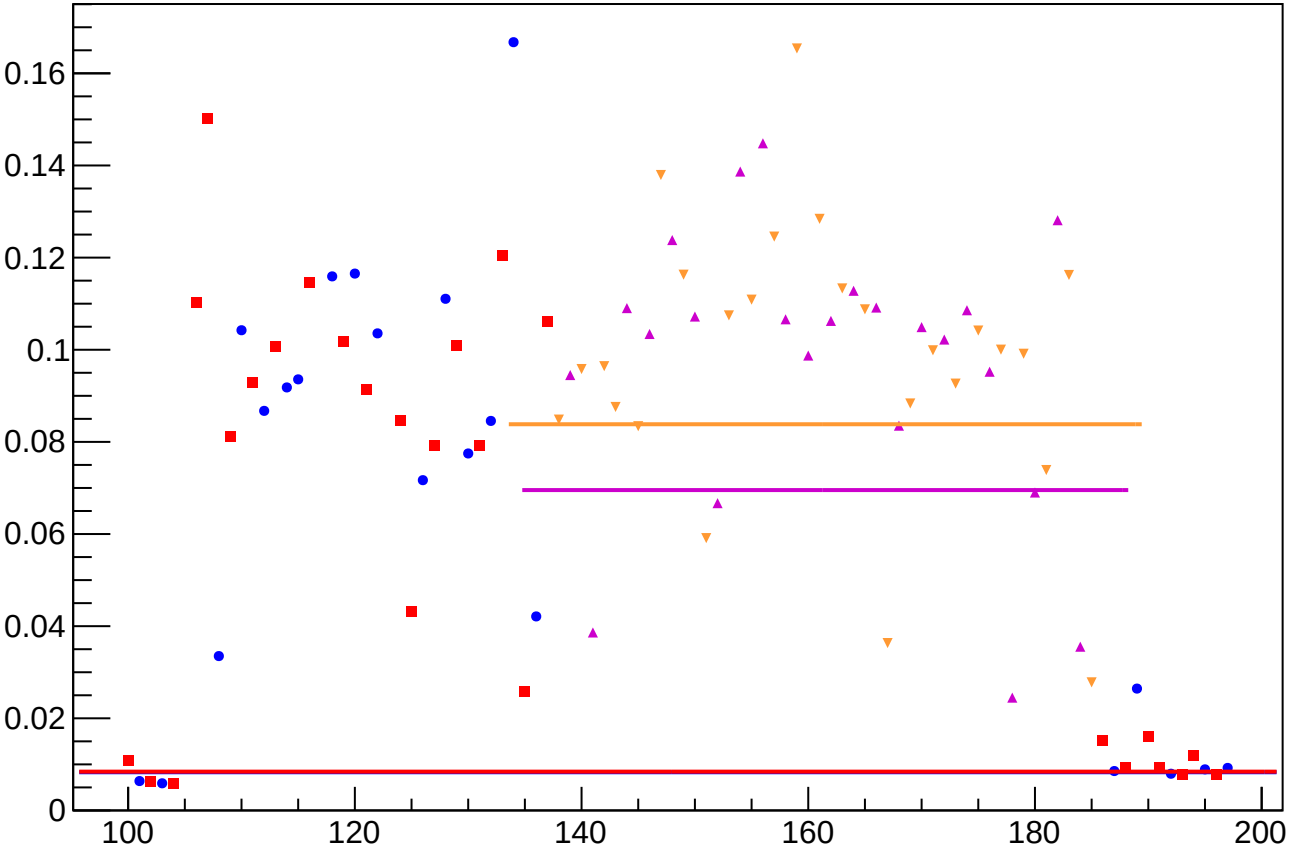
+ sign 0.008+/-0.000 χ^2/NDF: 36224378.0/45

All: 0.008+/-0.000 χ^2/NDF: 68707902.9/94

- sign 0.008+/-0.000 χ^2/NDF: 32480934.8/48


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 2.099+/-0.000 χ²/NDF: 138624539703.8/20
Left Out: 0.072+/-0.000 χ²/NDF:3635027099.6/24
Right Out: 1.815+/-0.000 χ²/NDF: 165651454806.1/25
Left In: -0.018+/-0.000 χ²/NDF:3455714643.1/22
+ sign 2.010+/-0.000 χ²/NDF: 150346015595.7/45
All: 1.864+/-0.000 χ²/NDF: 328995495085.9
- sign 1.729+/-0.000 χ²/NDF: 176717354139.0/48

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8586399.2/20

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

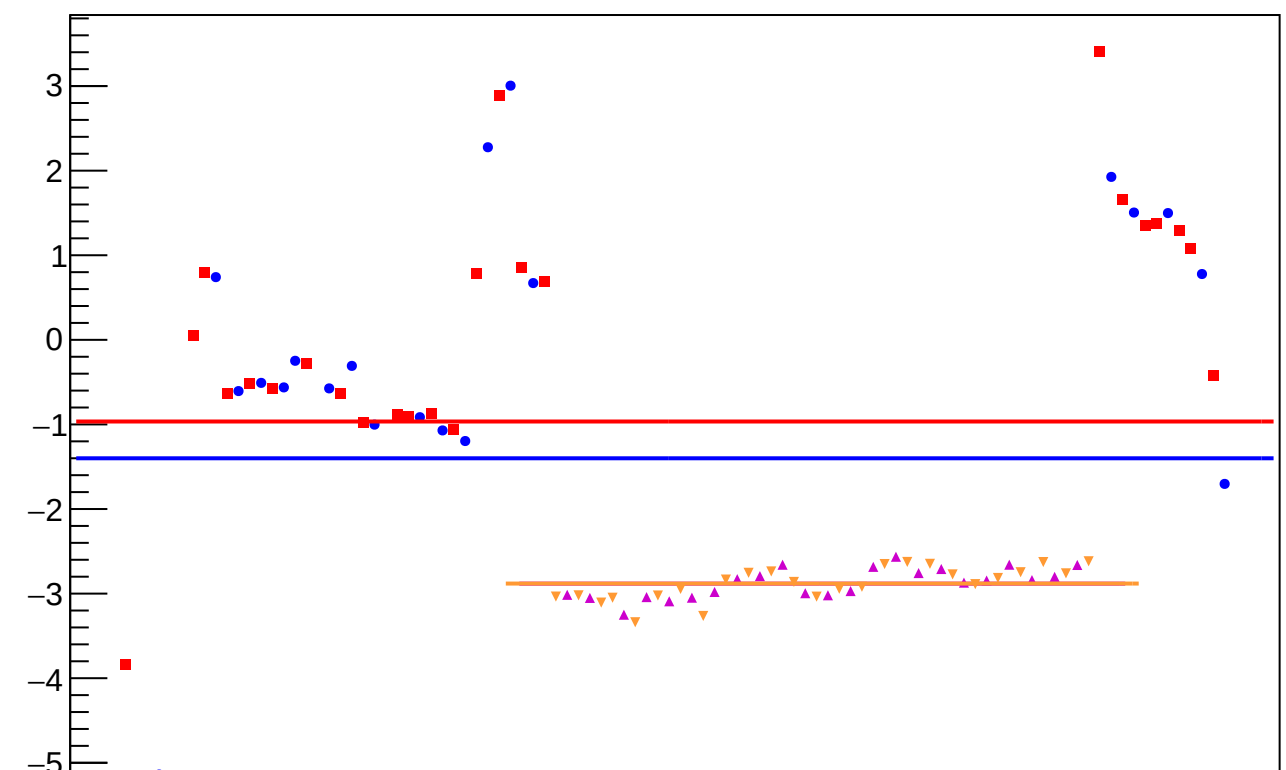
Right Out: 0.008+/-0.000 χ^2/NDF: 8720911.7/25

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 34866481.9/45

All: 0.011+/-0.000 χ^2/NDF: 67220624.6/94

- sign 0.011+/-0.000 χ^2/NDF: 32349360.0/48



Right In: -1.400+/-0.000 χ^2/NDF: 206017321194.0/20

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -0.965+/-0.000 χ^2/NDF: 229380734419.8/25

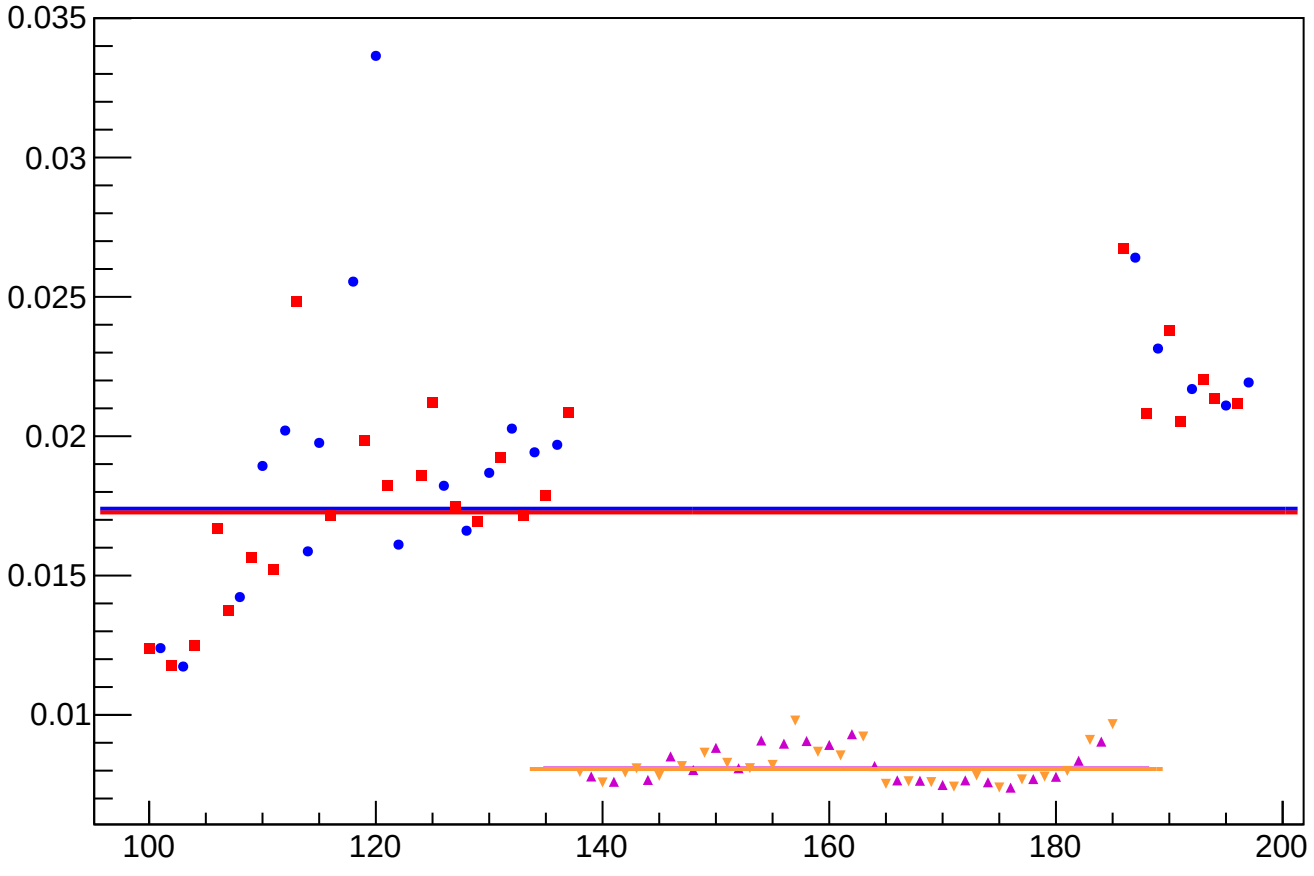
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.742+/-0.000 χ^2/NDF: 275135203510.8/45

All: -2.702+/-0.000 χ^2/NDF: 627412429086.3

- sign -2.661+/-0.000 χ^2/NDF: 351267859639.2/48

yield_bpm0l04X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 1117436.5/20

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

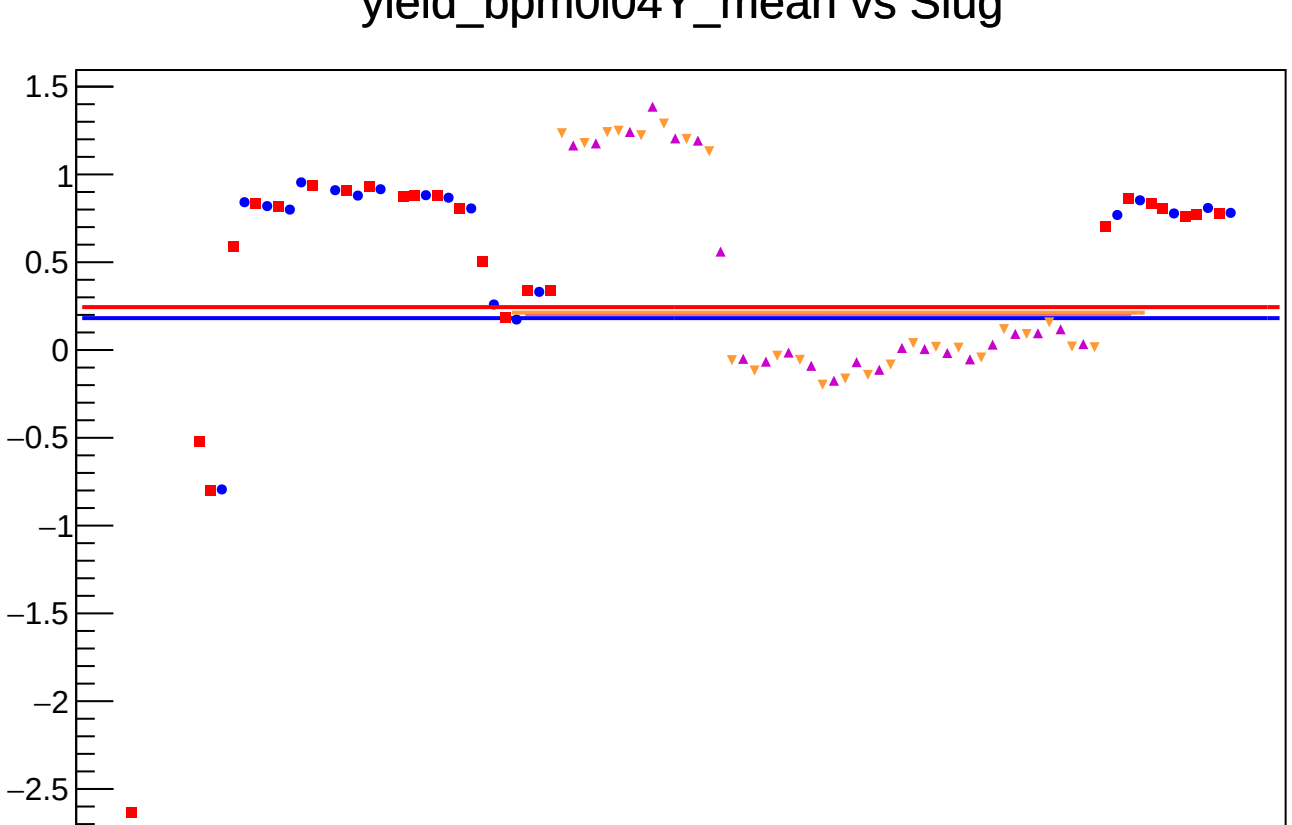
Right Out: 0.017+/-0.000 χ^2/NDF: 1025975.7/25

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 5961739.8/45

All: 0.009+/-0.000 χ^2/NDF: 12399195.7/94

- sign 0.009+/-0.000 χ^2/NDF: 6424840.1/48



Right In: 0.182+/-0.000 χ^2/NDF: 912270467313.7/20

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.244+/-0.000 χ^2/NDF: 1008512256513.6/25

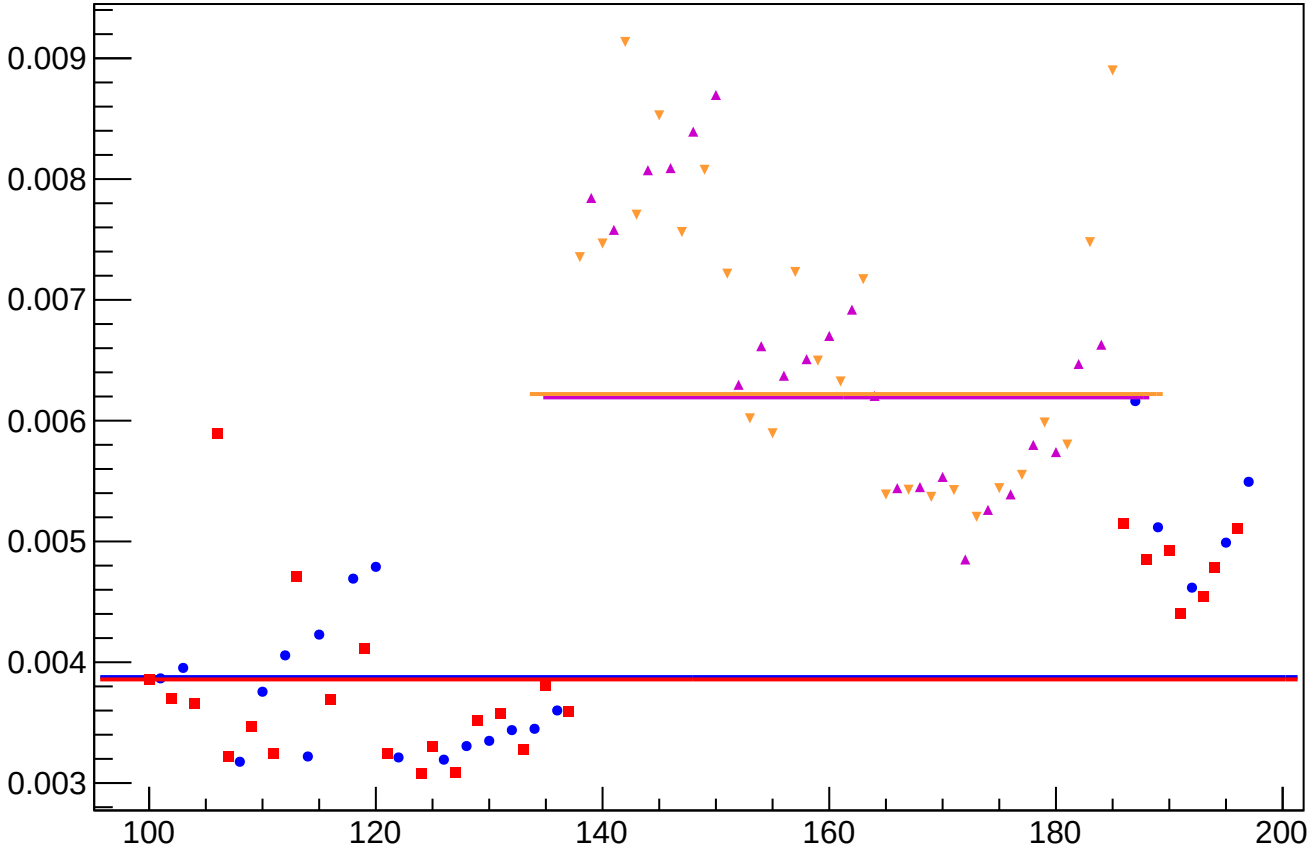
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.194+/-0.000 χ^2/NDF: 1015340764953.8/45

All: 0.213+/-0.000 χ^2/NDF: 2112093438120.

- sign 0.231+/-0.000 χ^2/NDF: 1095982980656.6/48

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 642123.6/20

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

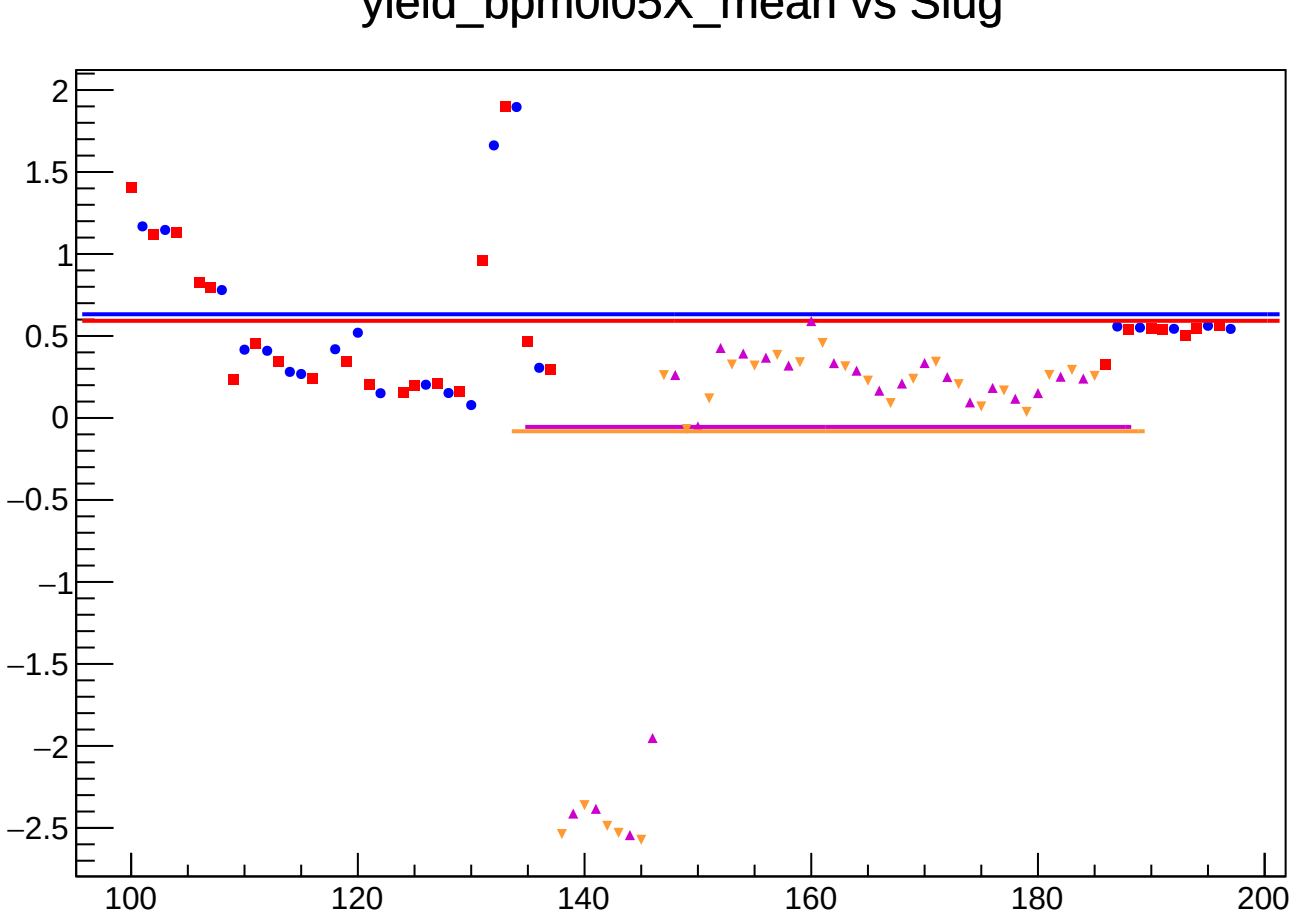
Right Out: 0.004+/-0.000 χ^2/NDF: 691286.6/25

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4297660.5/45

All: 0.005+/-0.000 χ^2/NDF: 8715877.7/94

- sign 0.005+/-0.000 χ^2/NDF: 4402376.2/48



Right In: 0.632+/-0.000 χ^2/NDF: 42360008229.1/20

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.592+/-0.000 χ^2/NDF: 43318306387.9/25

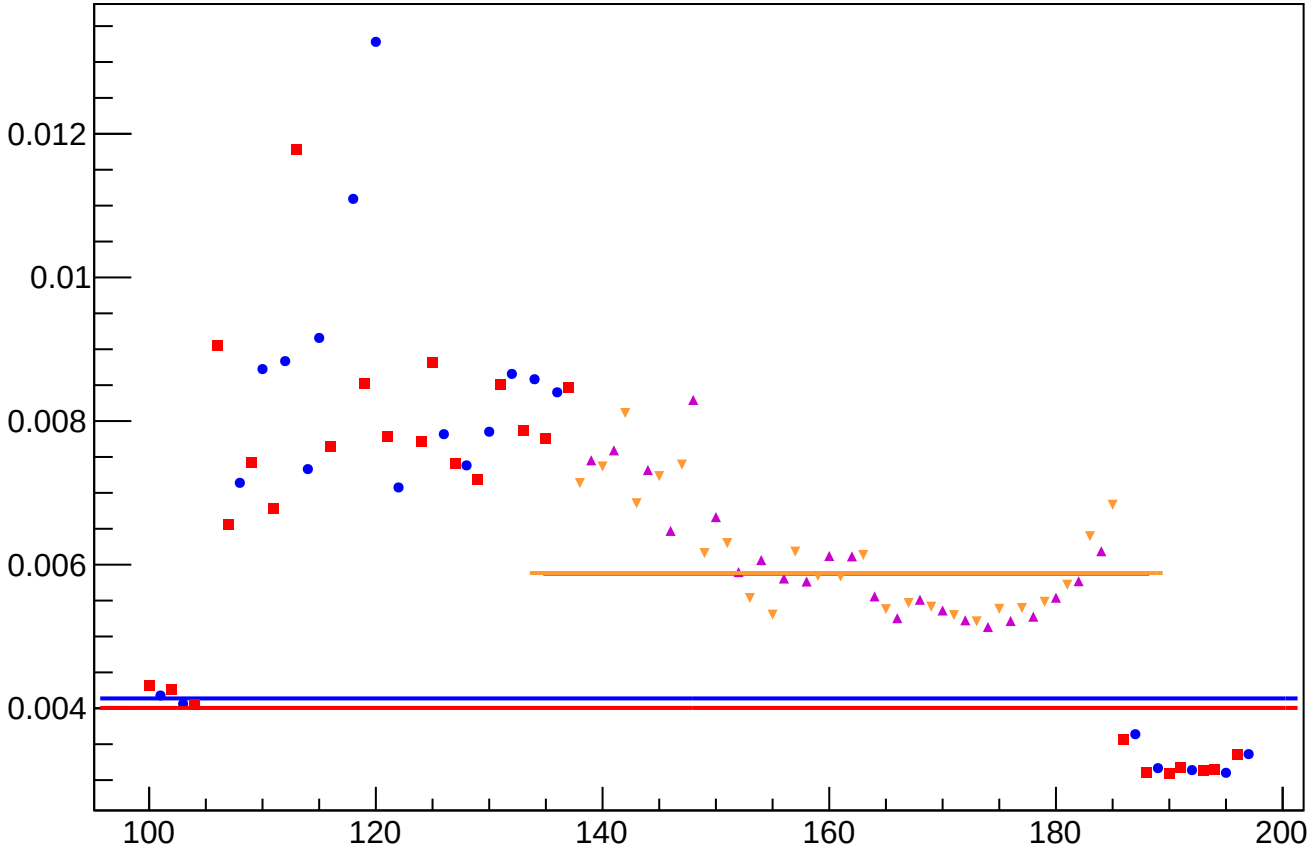
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.260+/-0.000 χ^2/NDF: 554049156580.1/45

All: 0.280+/-0.000 χ^2/NDF: 1055734380940.

- sign 0.298+/-0.000 χ^2/NDF: 500954767589.7/48

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3227190.3/20

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3252760.5/25

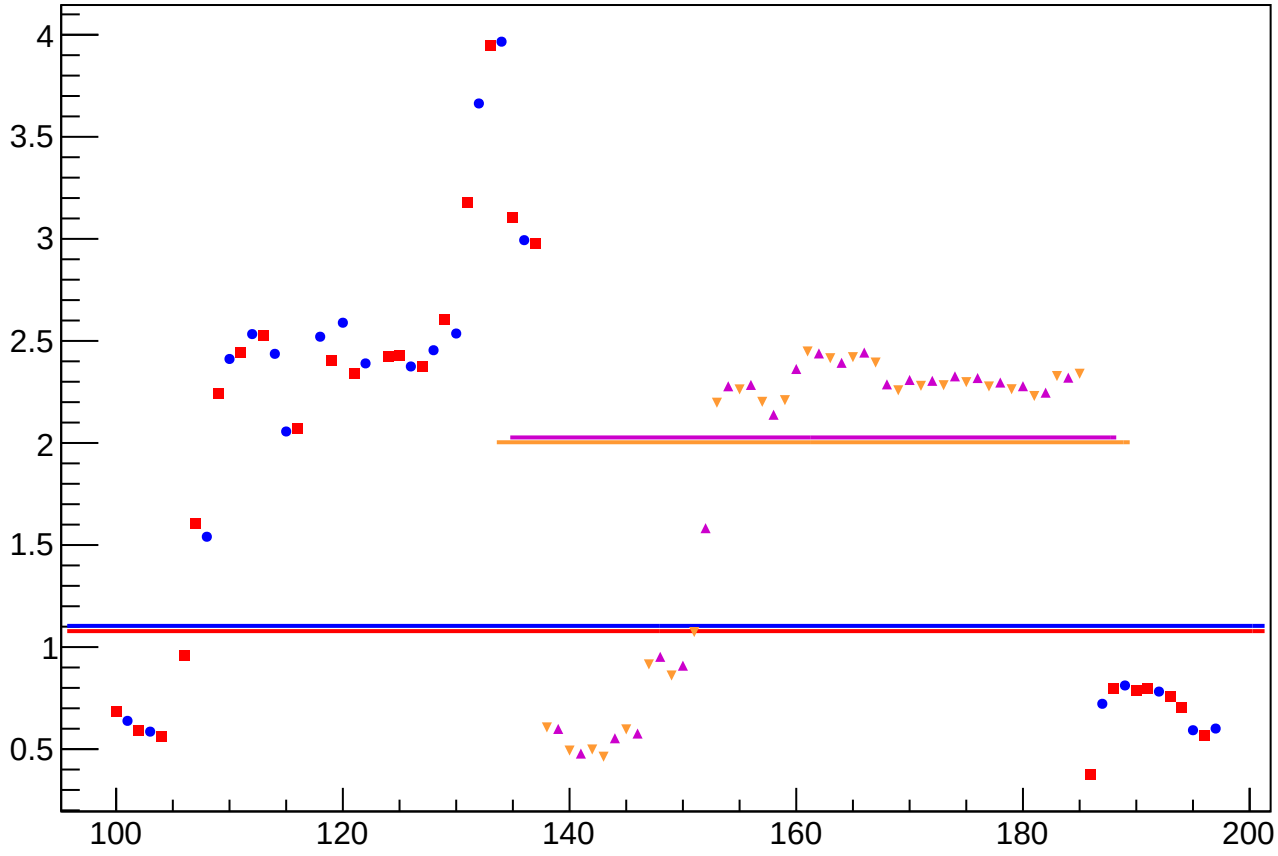
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5161834.7/45

All: 0.005+/-0.000 χ^2/NDF: 10820690.8/94

- sign 0.005+/-0.000 χ^2/NDF: 5621137.6/48

yield_bpm0l05Y_mean vs Slug



Right In: 1.104+/-0.000 χ^2/NDF: 209989981036.3/20

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.078+/-0.000 χ^2/NDF: 242152333651.4/25

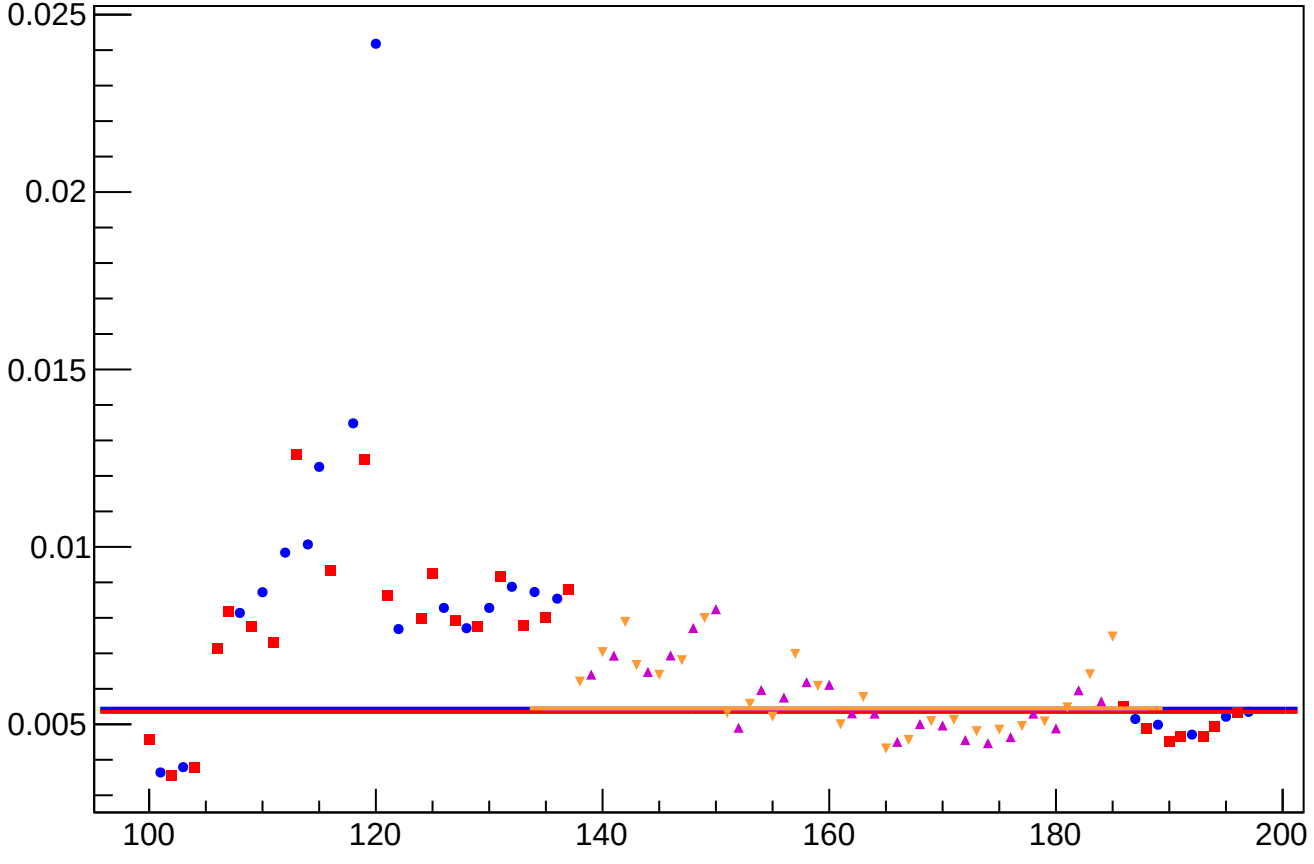
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.702+/-0.000 χ^2/NDF: 578680295217.3/45

All: 1.680+/-0.000 χ^2/NDF: 1202184729536.

- sign 1.658+/-0.000 χ^2/NDF: 622681468490.6/48

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2306169.7/20

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

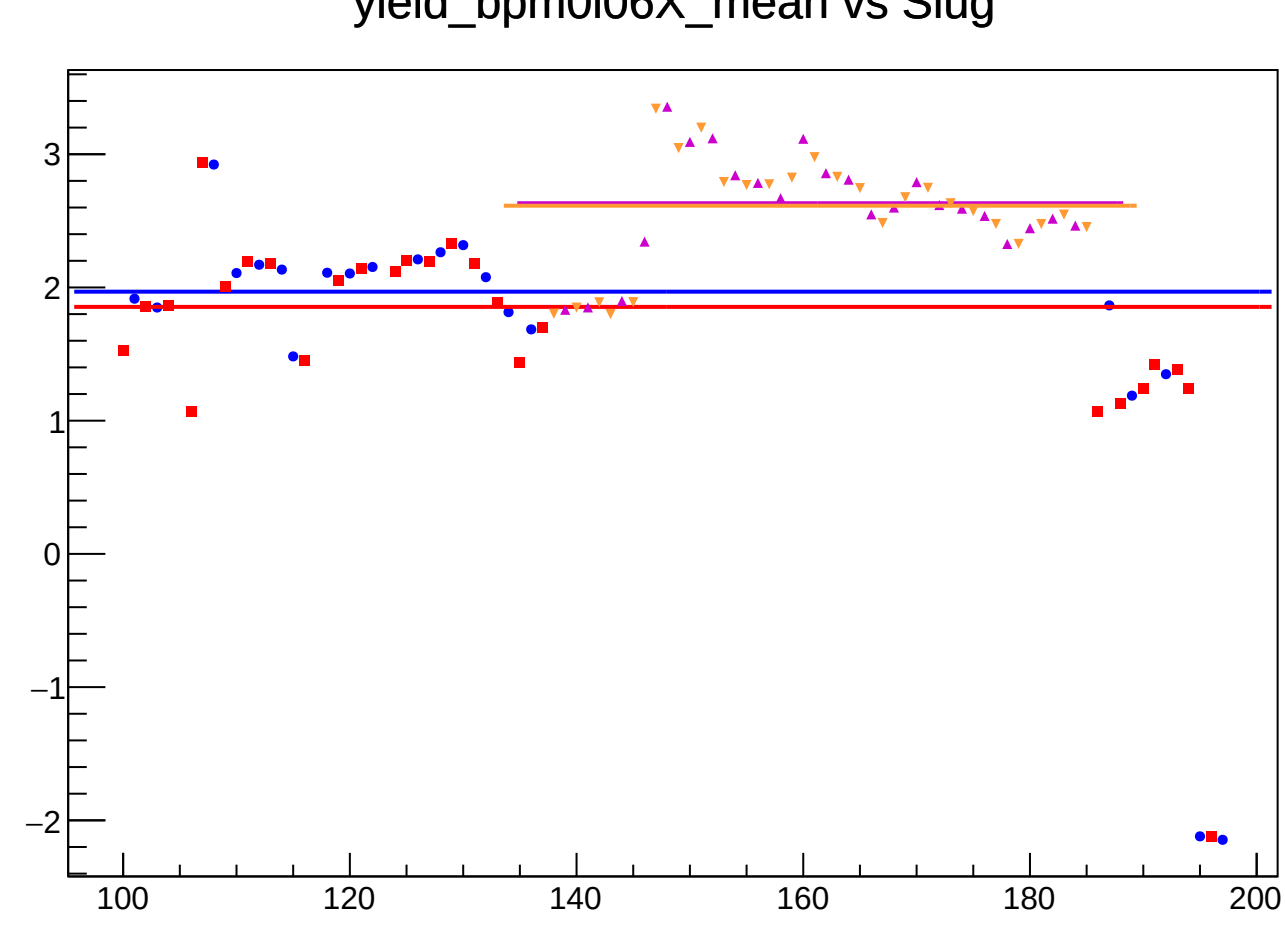
Right Out: 0.005+/-0.000 χ^2/NDF: 2124028.2/25

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3077619.6/45

All: 0.005+/-0.000 χ^2/NDF: 6021299.2/94

- sign 0.005+/-0.000 χ^2/NDF: 2940397.8/48



Right In: 1.968+/-0.000 χ^2/NDF: 60776050438.7/20

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.854+/-0.000 χ^2/NDF: 53891578599.1/25

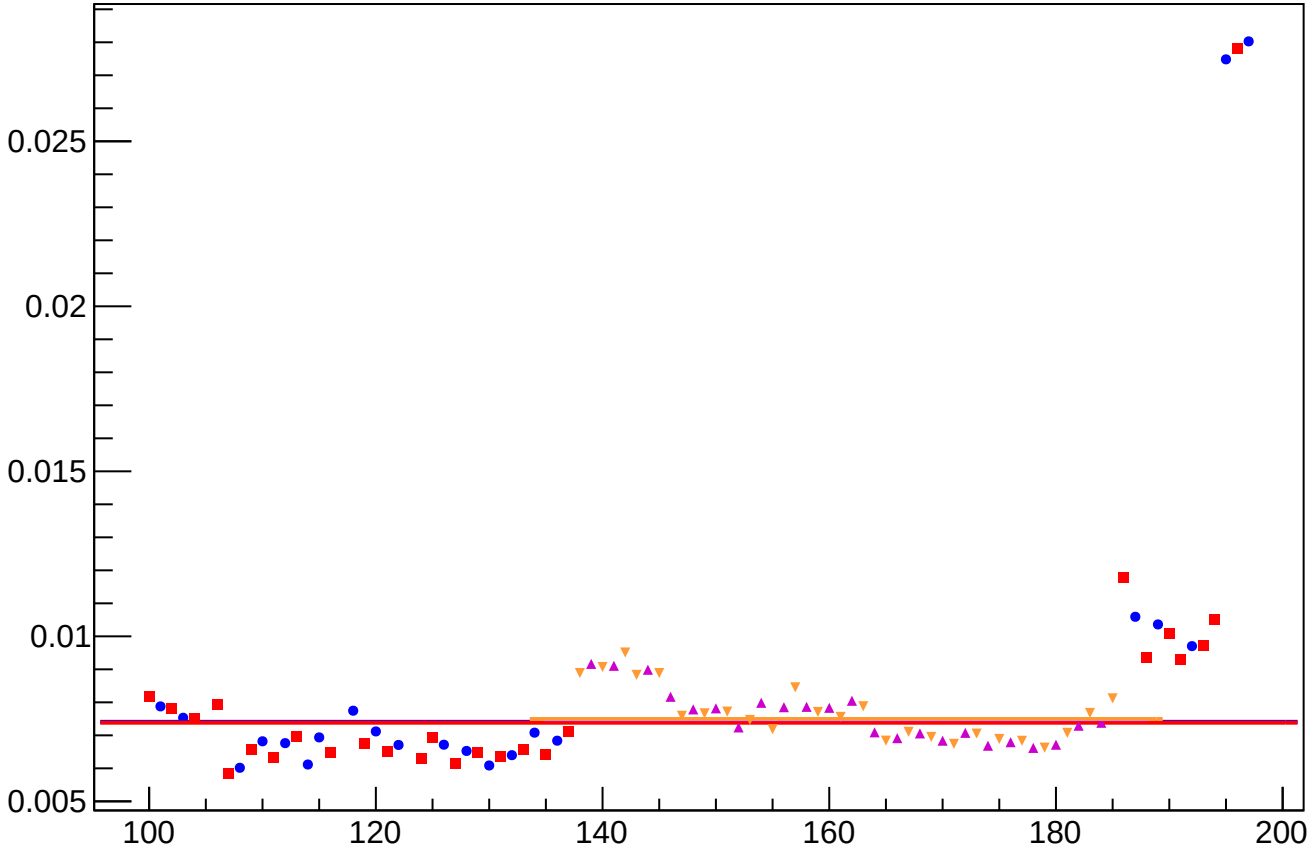
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.395+/-0.000 χ^2/NDF: 152733513723.3/45

All: 2.363+/-0.000 χ^2/NDF: 320720867147.1

- sign 2.332+/-0.000 χ^2/NDF: 166994916646.0/48

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 2256505.8/20

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1602940.0/25

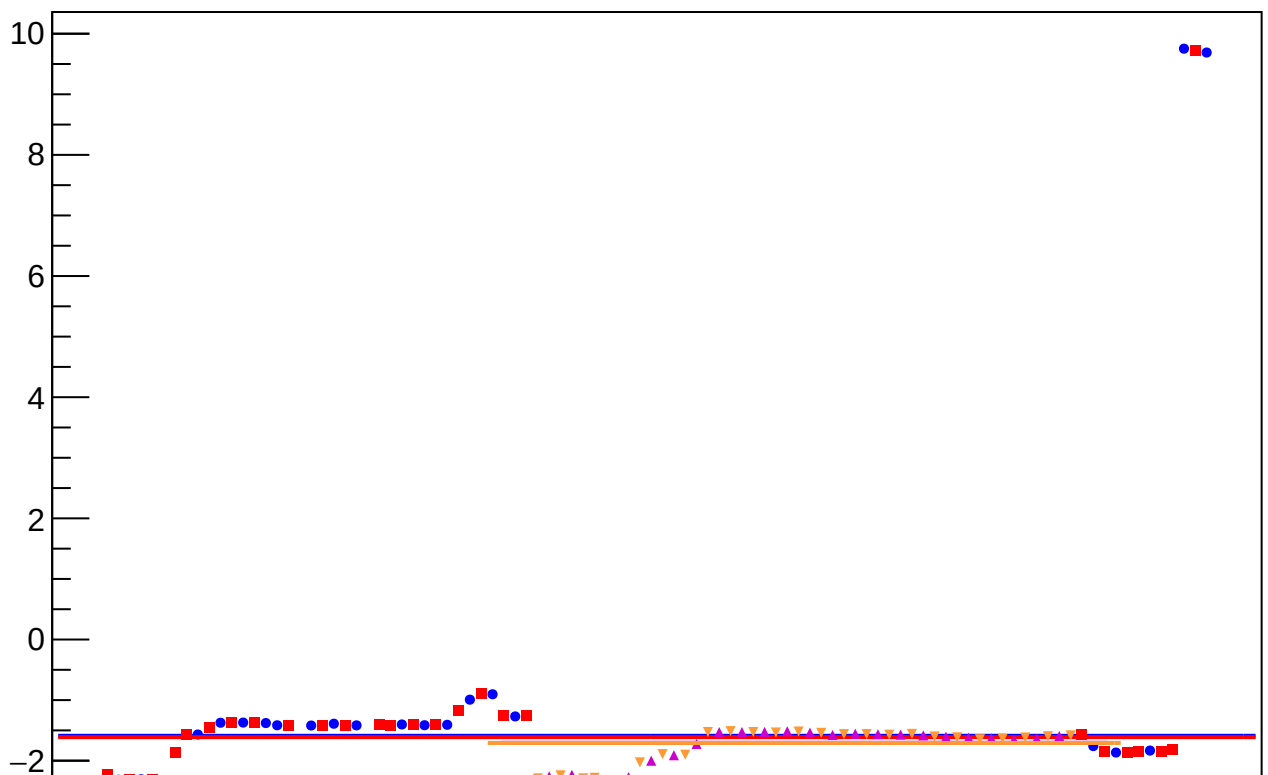
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.007+/-0.000 χ^2/NDF: 2590791.8/45

All: 0.007+/-0.000 χ^2/NDF: 4517812.5/94

- sign 0.007+/-0.000 χ^2/NDF: 1926549.2/48

yield_bpm0l06Y_mean vs Slug



Right In: -1.589+/-0.000 χ^2/NDF: 244502365471.7/20

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.612+/-0.000 χ^2/NDF: 222471632964.0/25

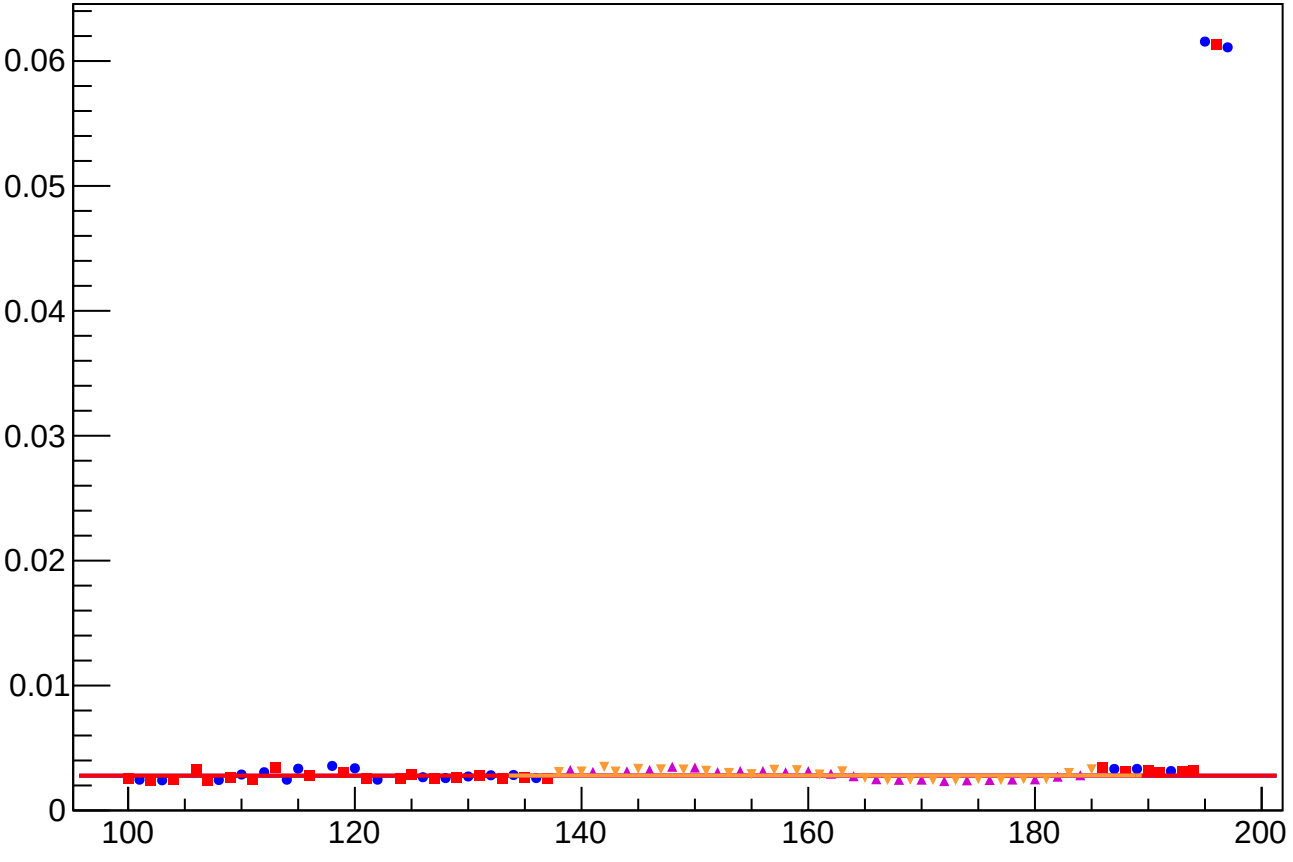
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.669+/-0.000 χ^2/NDF: 406687190220.4/45

All: -1.670+/-0.000 χ^2/NDF: 772930971629.4

- sign -1.670+/-0.000 χ^2/NDF: 366242534657.1/48

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3374880.5/20

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 1748808.7/25

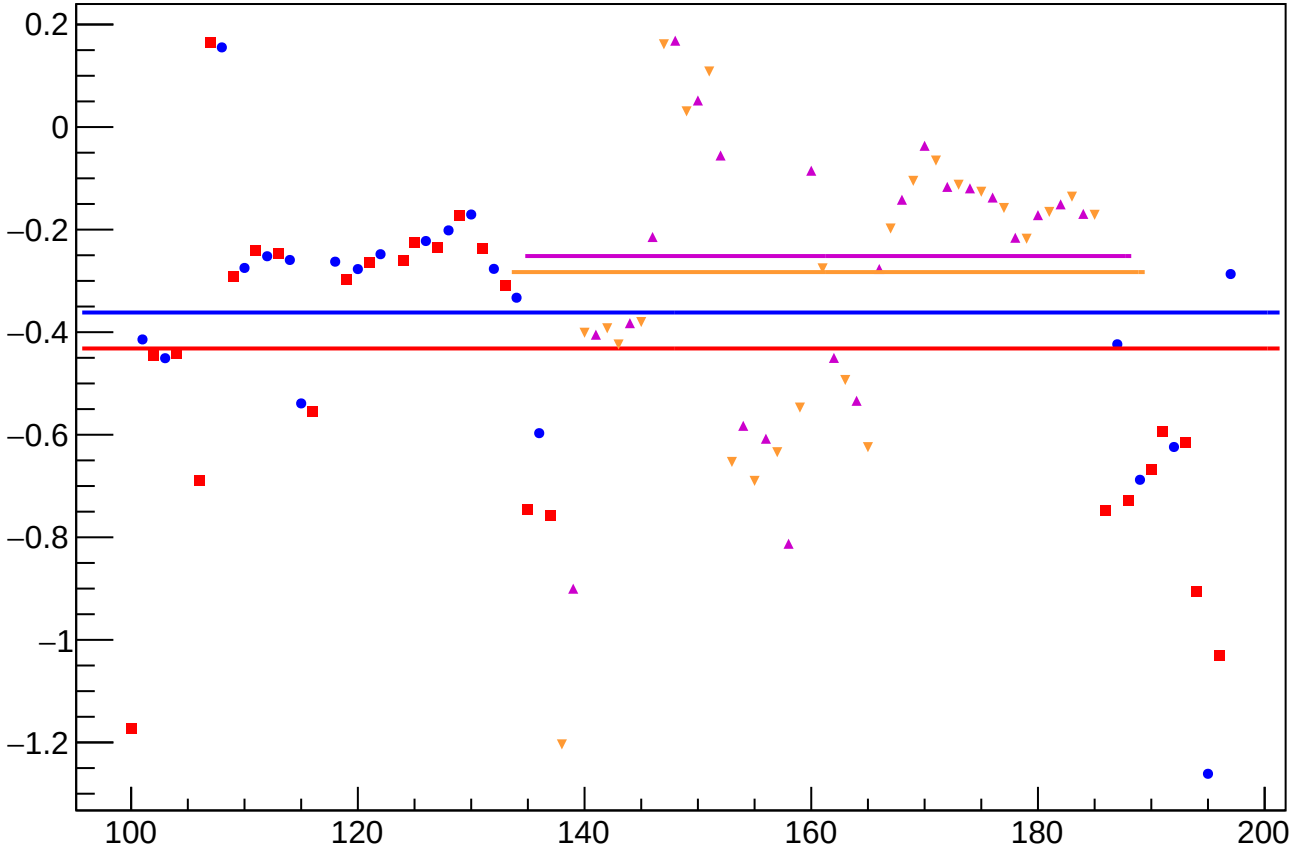
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 3923004.0/45

All: 0.003+/-0.000 χ^2/NDF: 6229066.4/94

- sign 0.003+/-0.000 χ^2/NDF: 2305956.6/48

yield_bpm0l07X_mean vs Slug



Right In: -0.362+/-0.000 χ^2/NDF: 4610808220.9/20

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.432+/-0.000 χ^2/NDF: 5312001894.3/25

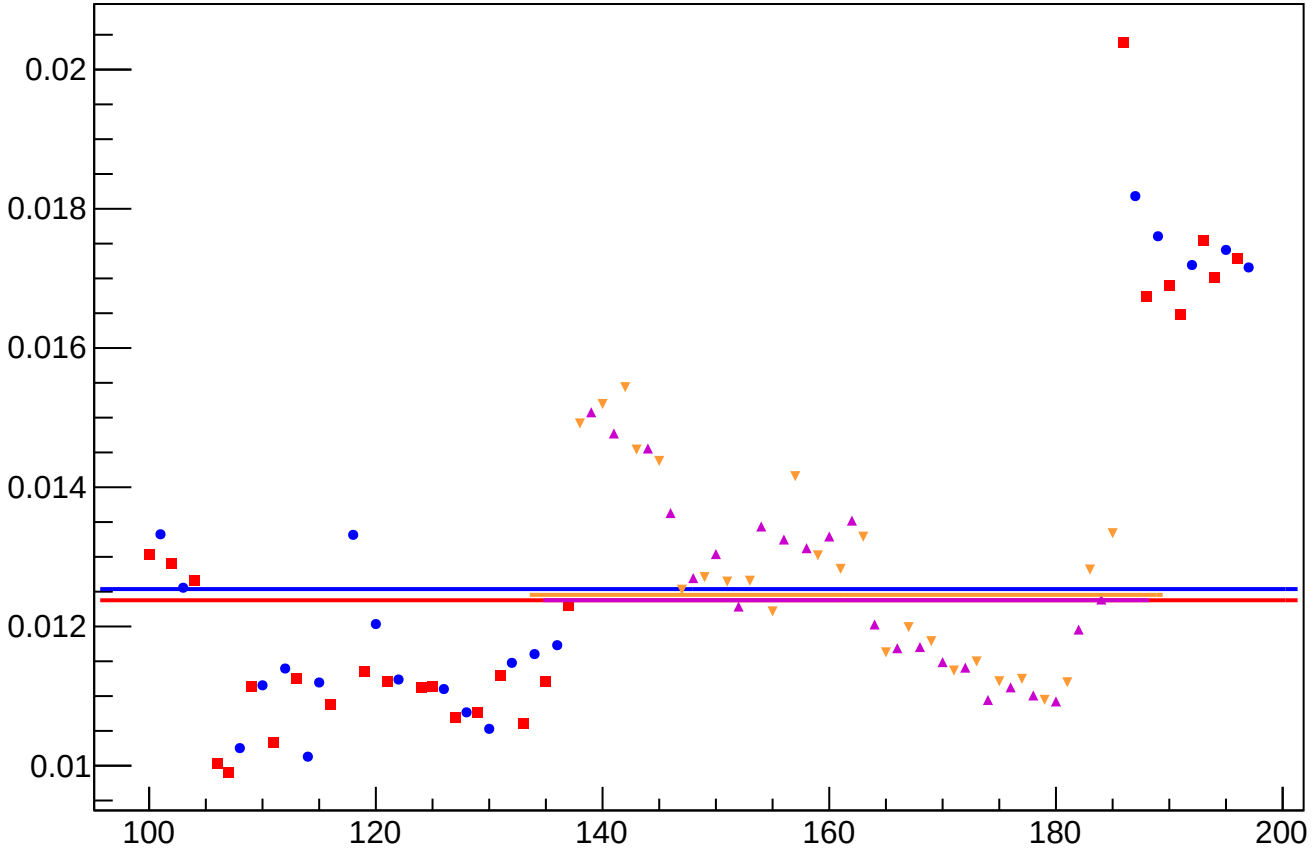
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.310+/-0.000 χ^2/NDF: 14209748516.7/45

All: -0.316+/-0.000 χ^2/NDF: 28142732804.5/

- sign -0.322+/-0.000 χ^2/NDF: 13919876188.4/48

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 706160.5/20

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.012+/-0.000 χ^2/NDF: 964860.2/25

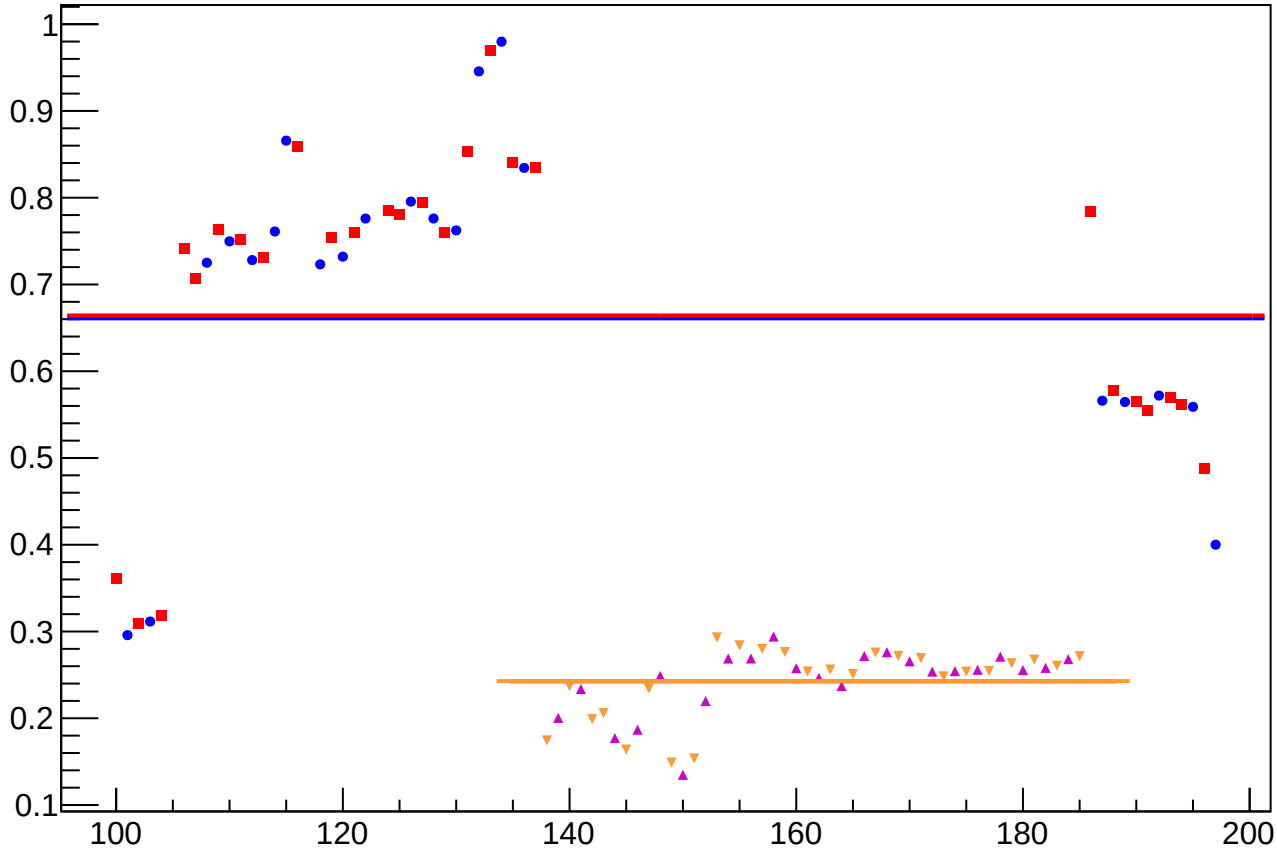
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 1048157.3/45

All: 0.012+/-0.000 χ^2/NDF: 2342010.9/94

- sign 0.012+/-0.000 χ^2/NDF: 1291786.1/48

yield_bpm0l07Y_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF: 60807252073.1/20

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.664+/-0.000 χ^2/NDF: 54435884727.3/25

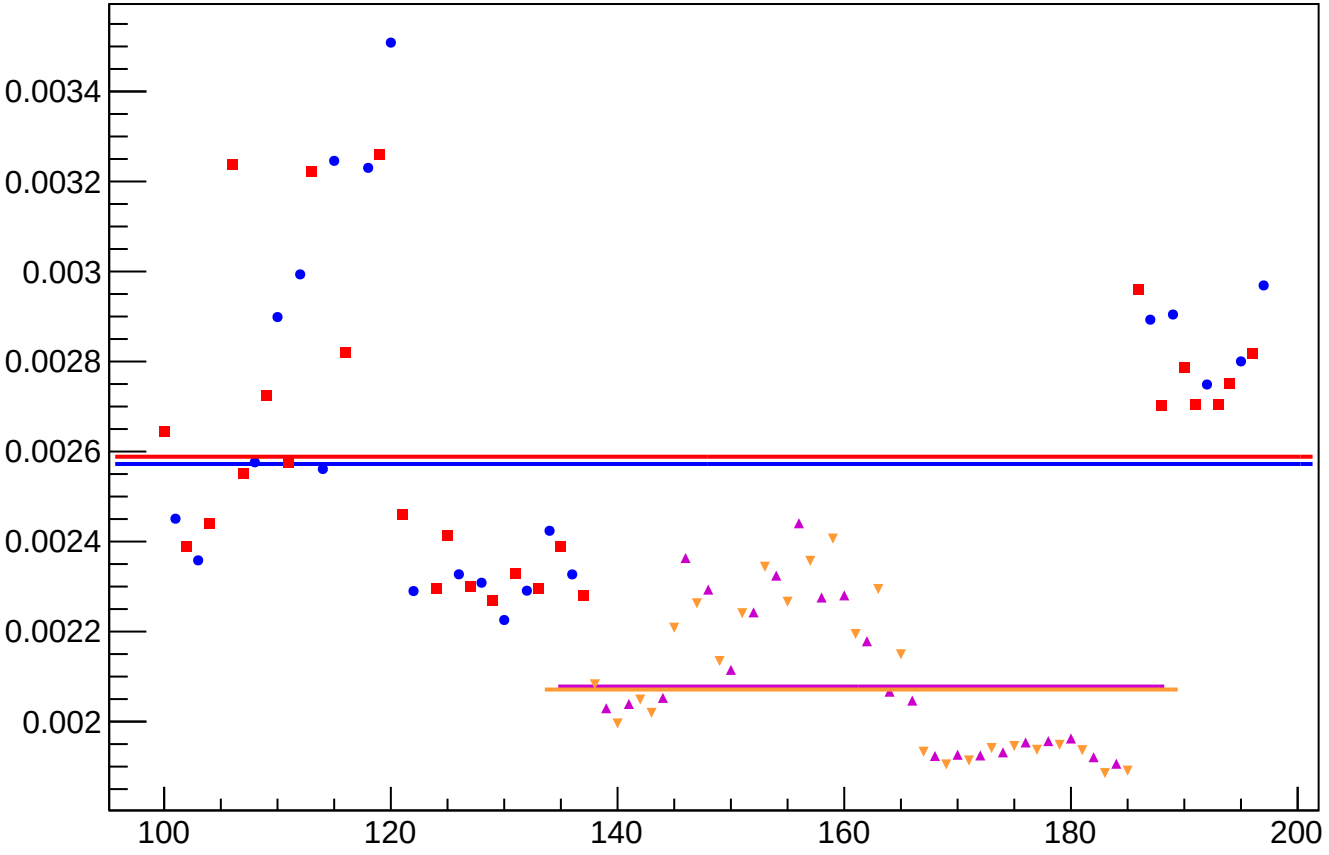
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.349+/-0.000 χ^2/NDF: 266480494148.1/45

All: 0.357+/-0.000 χ^2/NDF: 542046134922.4

- sign 0.364+/-0.000 χ^2/NDF: 274927517036.5/48

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 295988.8/20

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 234162.0/25

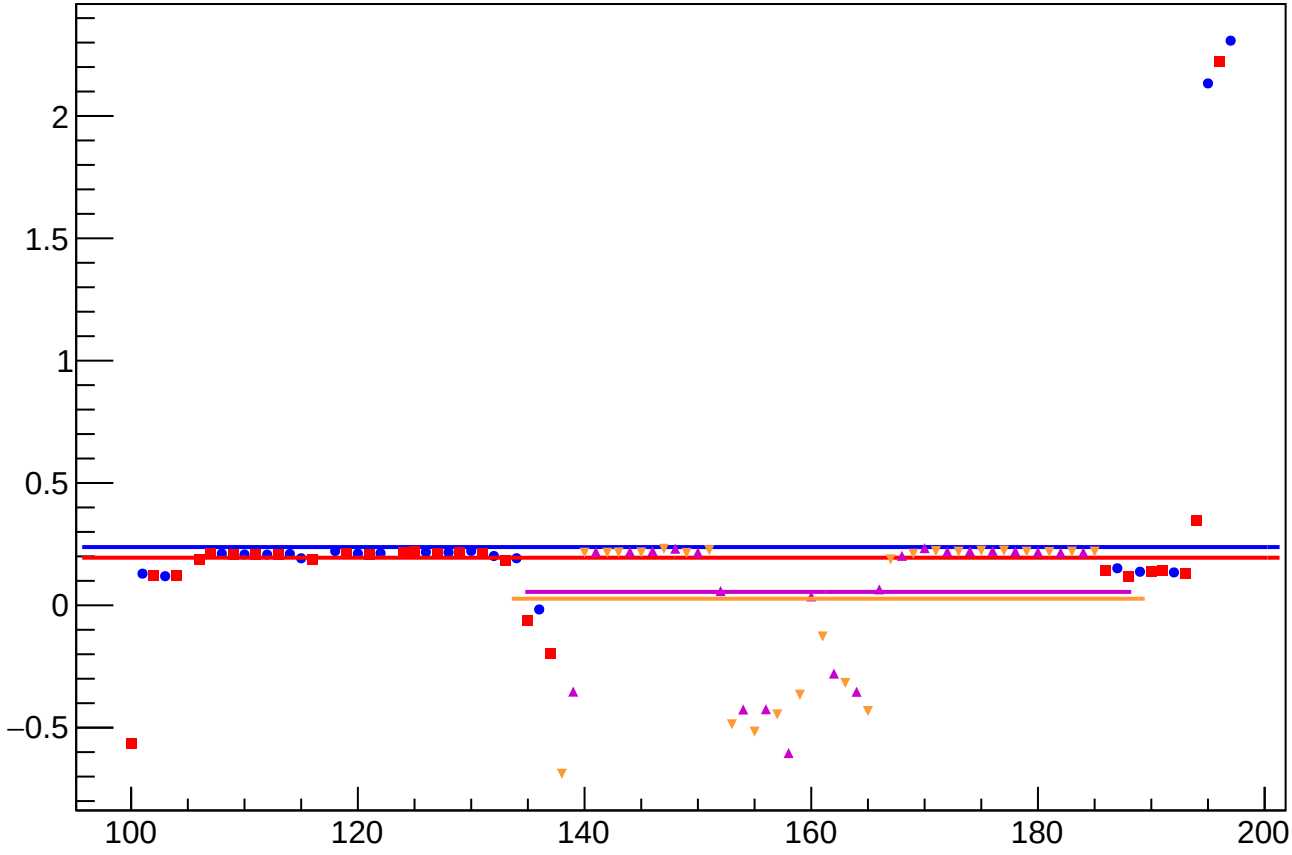
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 1099661.0/45

All: 0.002+/-0.000 χ^2/NDF: 2178938.1/94

- sign 0.002+/-0.000 χ^2/NDF: 1075267.3/48

yield_bpm0l08X_mean vs Slug



Right In: 0.238+/-0.000 χ^2/NDF: 11145423166.5/20

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.195+/-0.000 χ^2/NDF: 6017950672.6/25

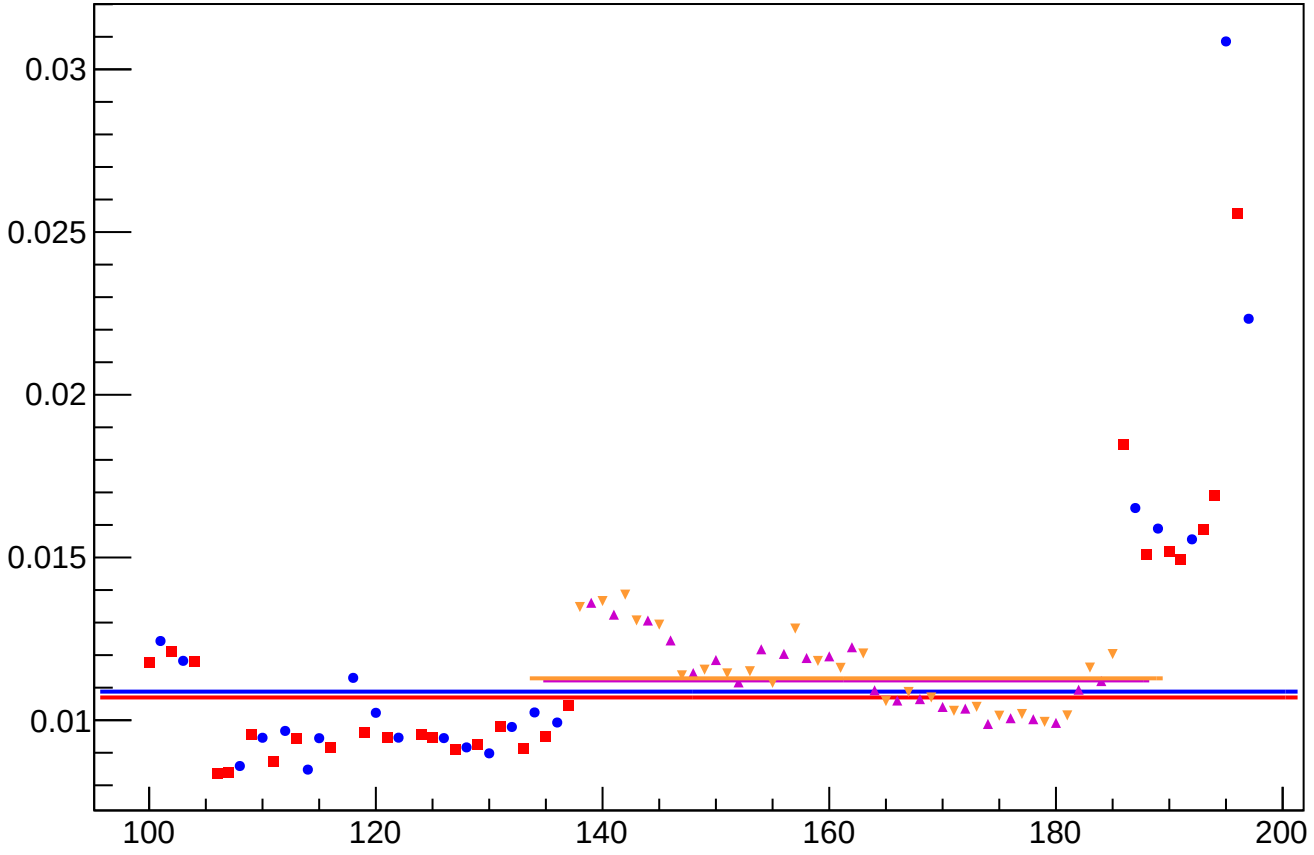
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.102+/-0.000 χ^2/NDF: 26397810316.8/45

All: 0.107+/-0.000 χ^2/NDF: 43219134978.1/9

- sign 0.111+/-0.000 χ^2/NDF: 16811493009.7/48

yield_bpm0l08X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 1772098.5/20

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

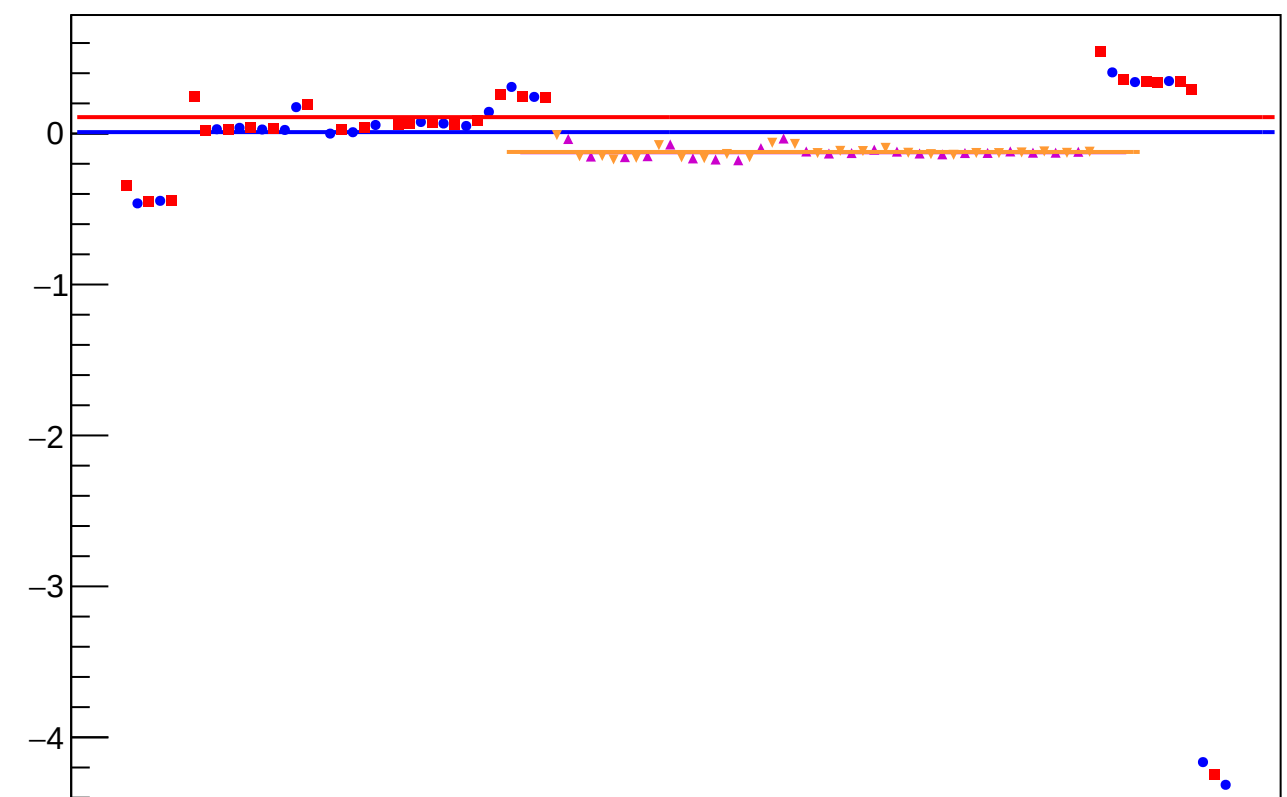
Right Out: 0.011+/-0.000 χ^2/NDF: 1653843.0/25

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 2117389.6/45

All: 0.011+/-0.000 χ^2/NDF: 4120984.8/94

- sign 0.011+/-0.000 χ^2/NDF: 1999701.7/48



Right In: 0.010+/-0.000 χ^2/NDF: 105784058585.5/20

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.109+/-0.000 χ^2/NDF: 78208640133.2/25

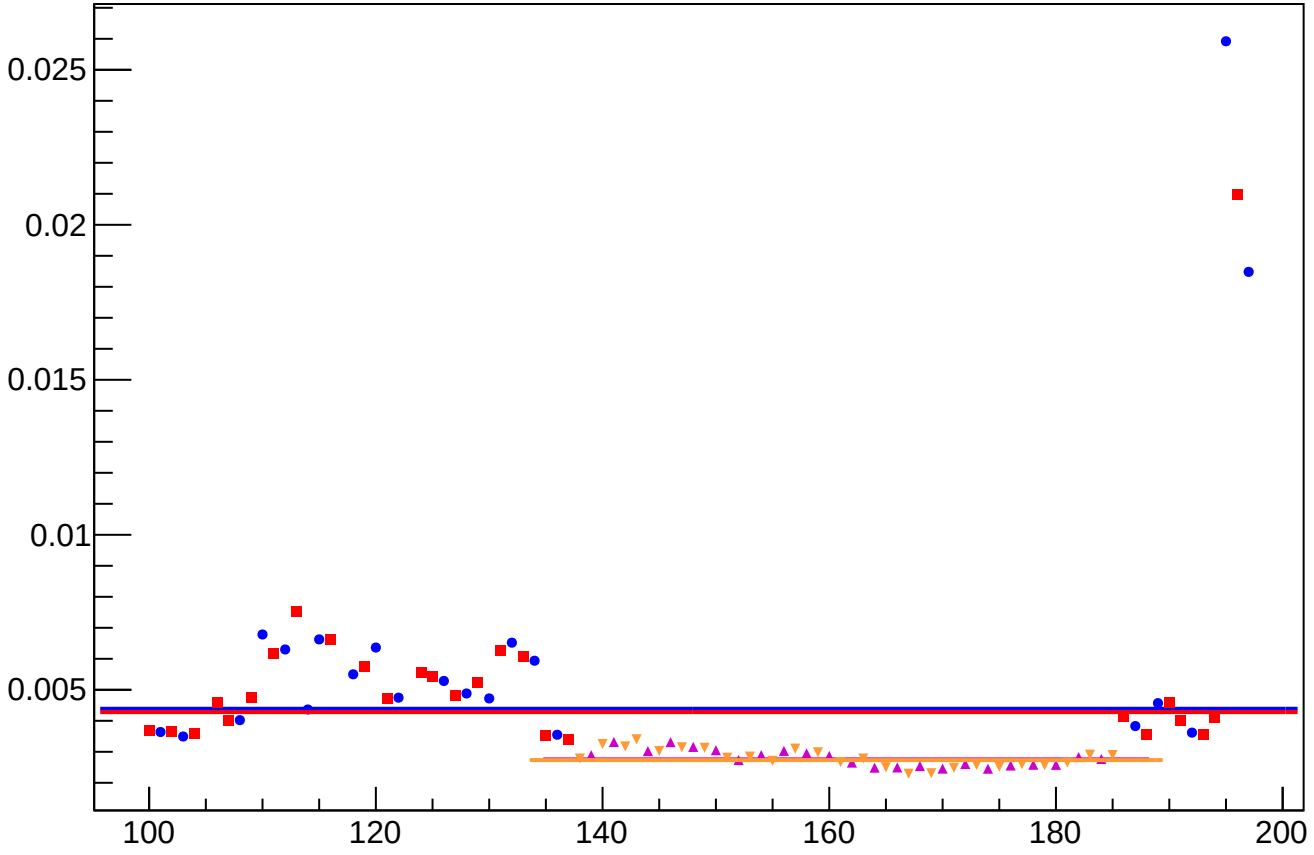
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.102+/-0.000 χ^2/NDF: 115029955266.2/45

All: -0.091+/-0.000 χ^2/NDF: 220438274225.2

- sign -0.079+/-0.000 χ^2/NDF: 104654645782.6/48

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 2920686.6/20

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1868066.8/25

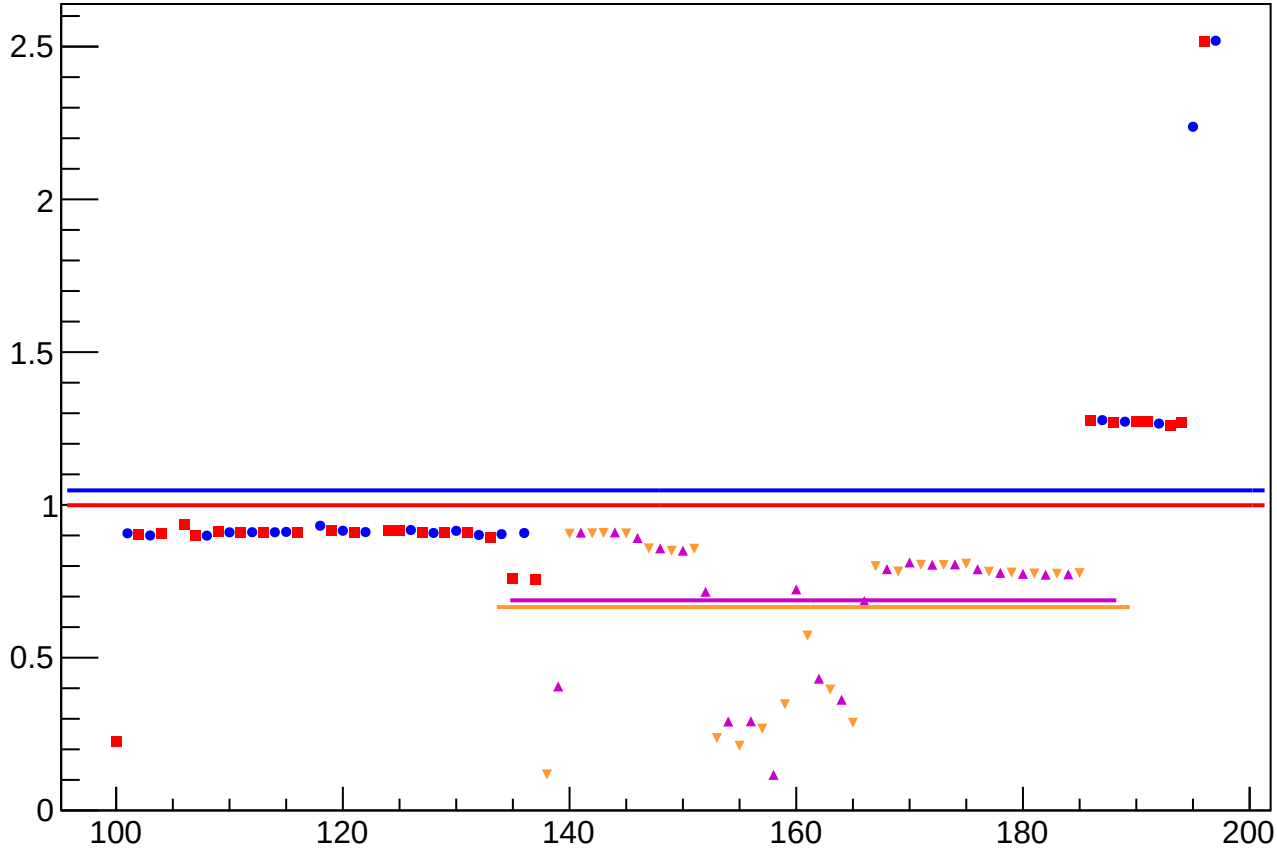
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 5317467.5/45

All: 0.003+/-0.000 χ^2/NDF: 9519658.1/94

- sign 0.003+/-0.000 χ^2/NDF: 4189001.8/48

yield_bpm0l09X_mean vs Slug



Right In: 1.048+/-0.000 χ^2/NDF: 10481026606.2/20

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 0.999+/-0.000 χ^2/NDF: 6299773979.0/25

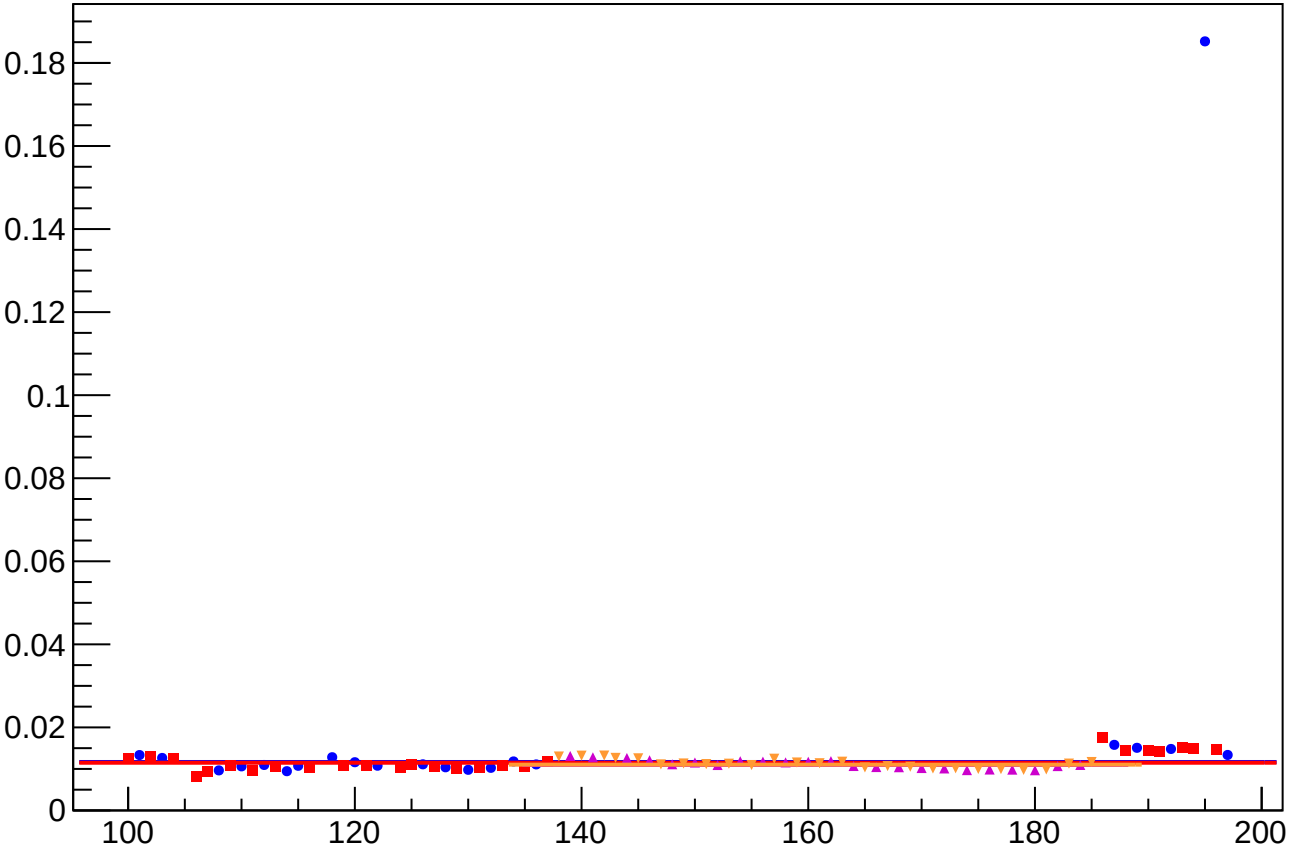
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.784+/-0.000 χ^2/NDF: 26537191064.8/45

All: 0.792+/-0.000 χ^2/NDF: 4488631684

- sign 0.799+/-0.000 χ^2/NDF: 18323598687.6/48

yield_bpm0l09X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1902505.7/20

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 648713.2/25

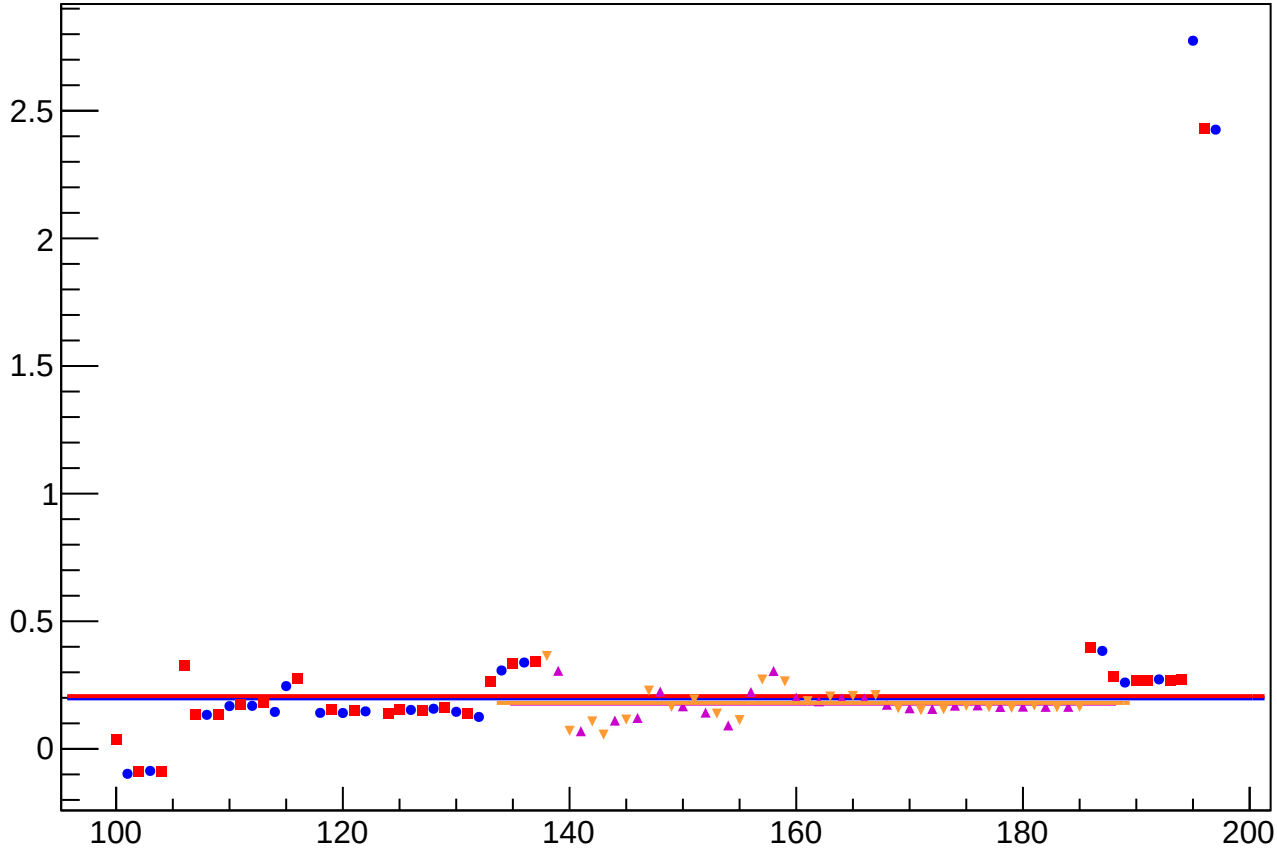
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2240362.5/45

All: 0.011+/-0.000 χ^2/NDF: 3206657.3/94

- sign 0.011+/-0.000 χ^2/NDF: 965078.3/48

yield_bpm0l09Y_mean vs Slug



Right In: 0.198+/-0.000 χ^2/NDF: 32266739837.4/20

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.207+/-0.000 χ^2/NDF: 18954198533.4/25

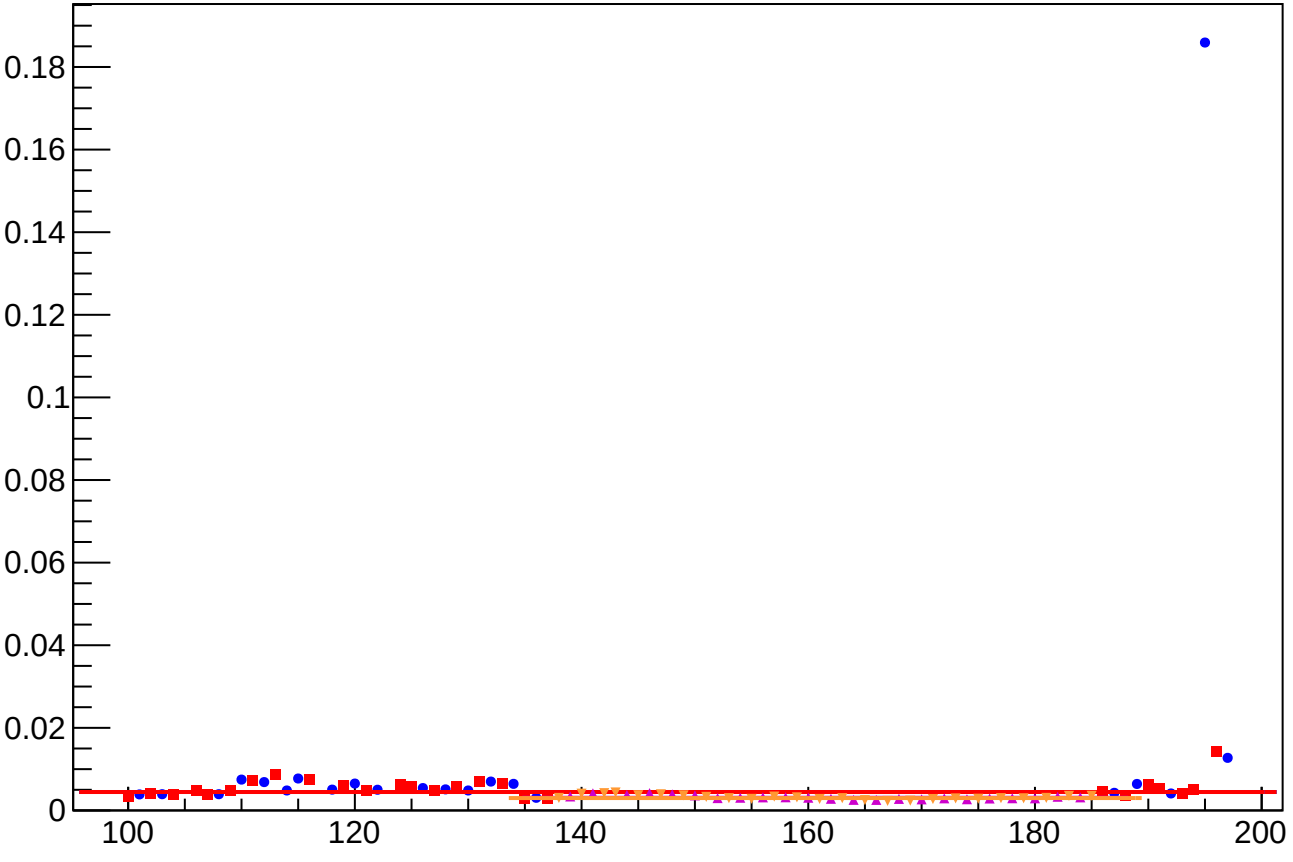
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.183+/-0.000 χ^2/NDF: 38817595028.0/45

All: 0.183+/-0.000 χ^2/NDF: 62709971916.9/9

- sign 0.183+/-0.000 χ^2/NDF: 23892309818.9/48

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3295066.5/20

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

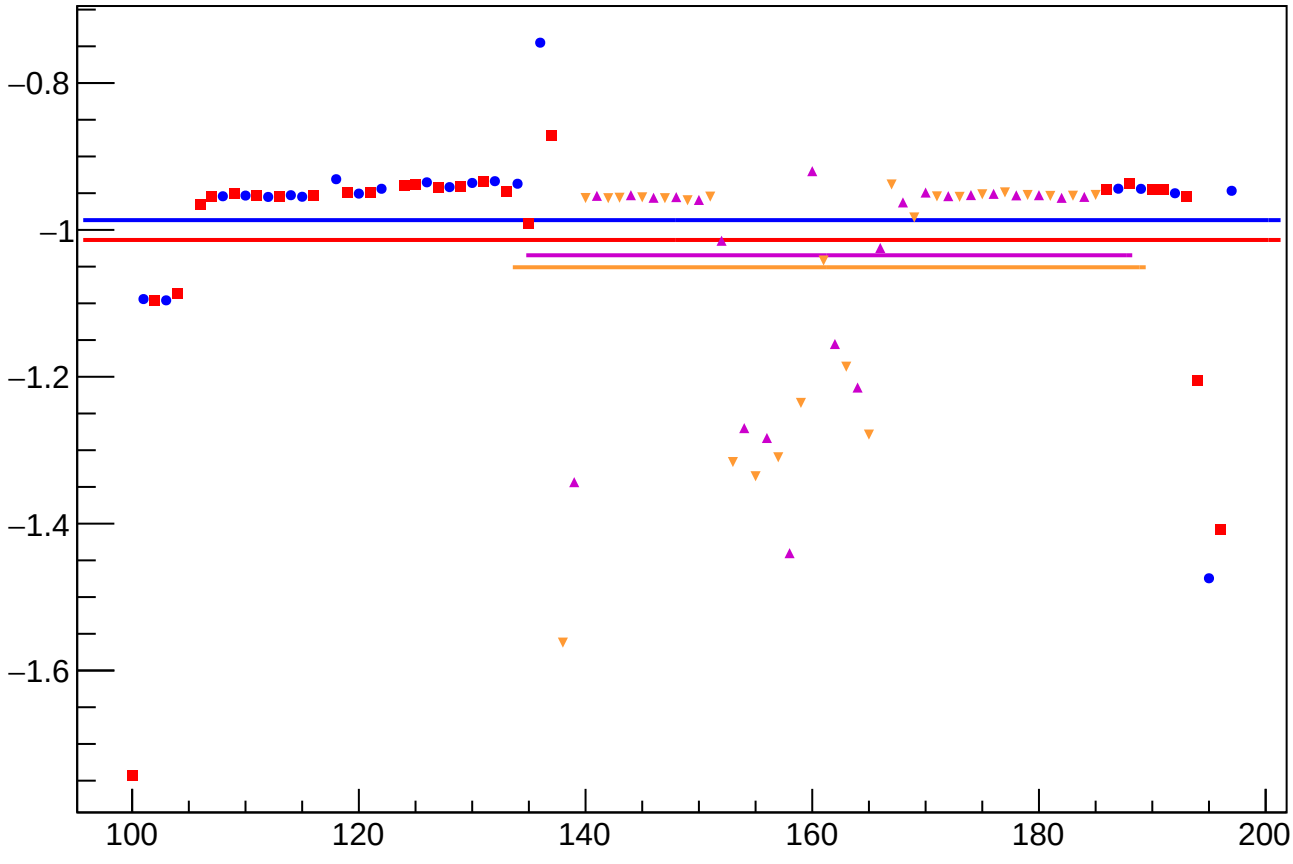
Right Out: 0.004+/-0.000 χ^2/NDF: 1620220.4/25

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 5572566.1/45

All: 0.003+/-0.000 χ^2/NDF: 9225858.6/94

- sign 0.003+/-0.000 χ^2/NDF: 3622232.2/48



Right In: -0.987+/-0.000 χ^2/NDF: 1715043547.8/20

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -1.014+/-0.000 χ^2/NDF: 1564933101.5/25

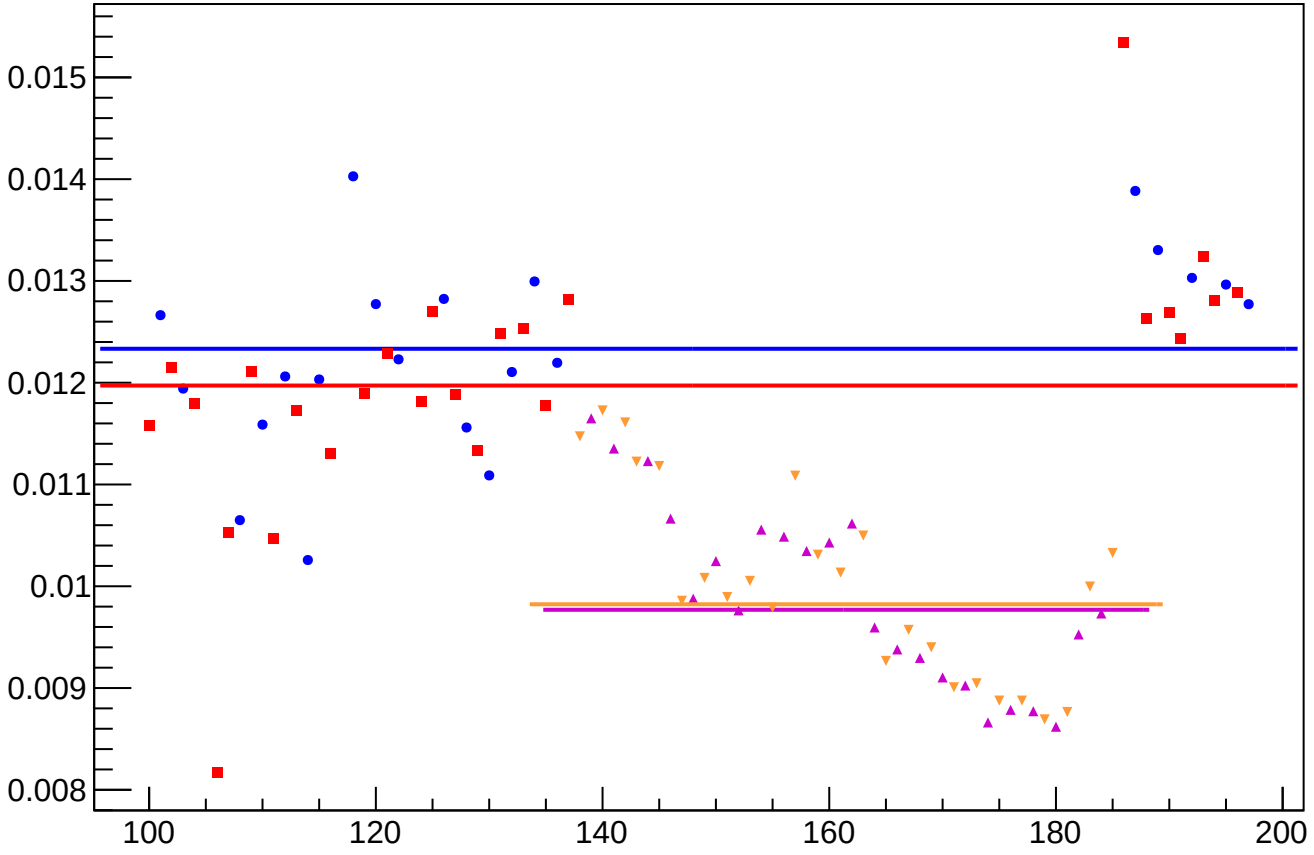
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.034+/-0.000 χ^2/NDF: 7001495005.6/45

All: -1.031+/-0.000 χ^2/NDF: 12521183199.6/

- sign -1.028+/-0.000 χ^2/NDF: 5514923235.1/48

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 91451.5/20

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

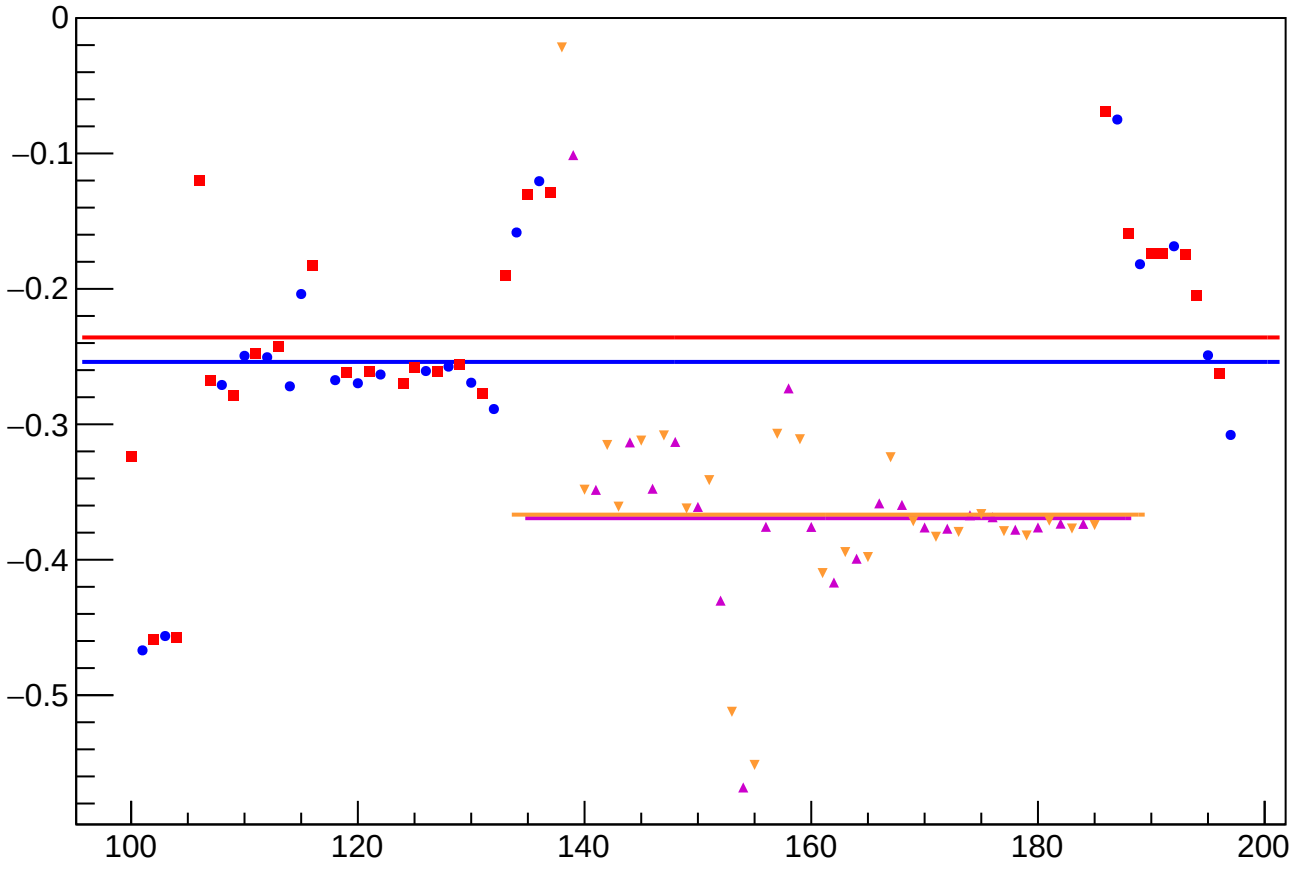
Right Out: 0.012+/-0.000 χ^2/NDF: 249766.2/25

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 1010852.5/45

All: 0.010+/-0.000 χ^2/NDF: 2084704.3/94

- sign 0.010+/-0.000 χ^2/NDF: 1073534.5/48



Right In: -0.254+/-0.000 χ^2/NDF: 7099667313.9/20

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.236+/-0.000 χ^2/NDF: 6710578642.3/25

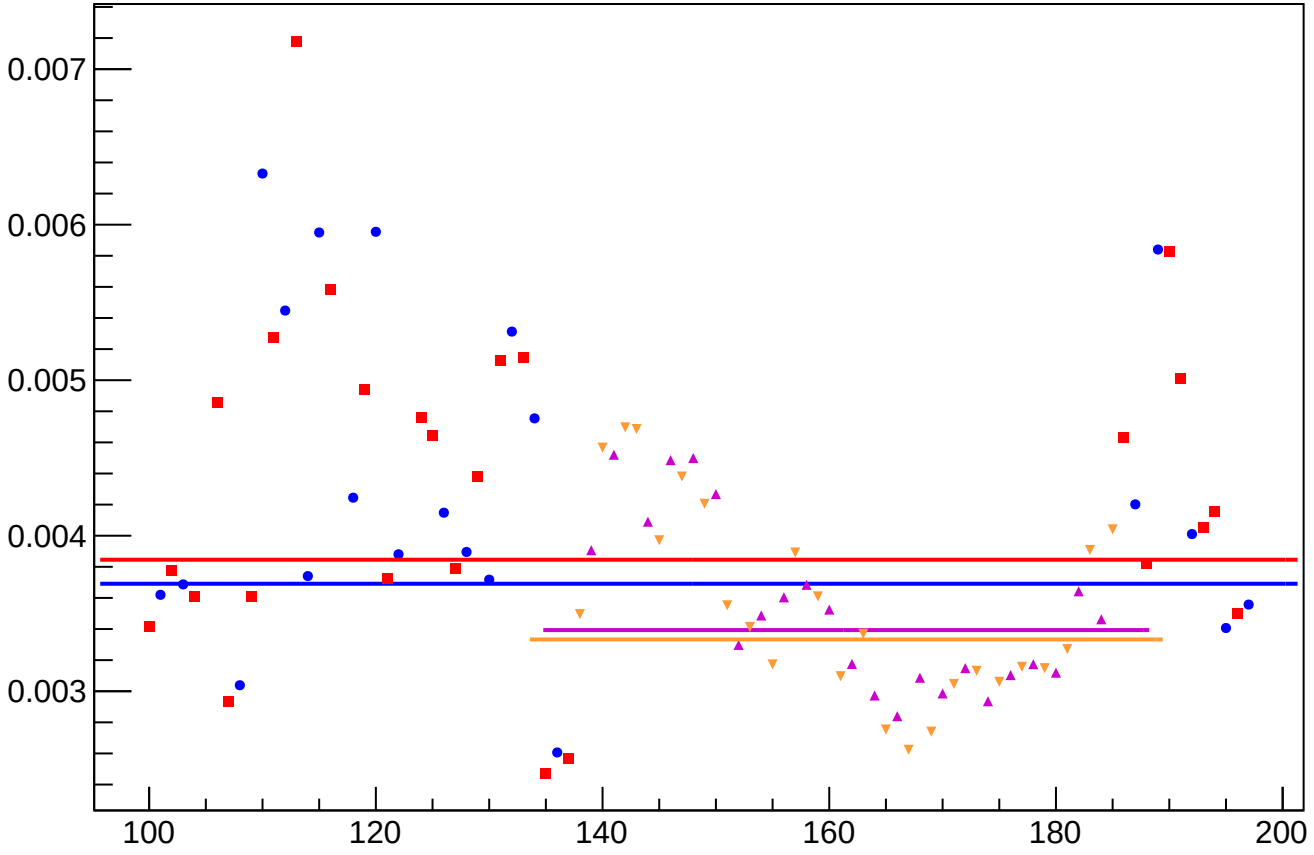
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.334+/-0.000 χ^2/NDF: 24936568736.0/45

All: -0.330+/-0.000 χ^2/NDF: 47562808862.5/

- sign -0.326+/-0.000 χ^2/NDF: 22567591060.4/48

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 897342.9/20

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1052696.3/25

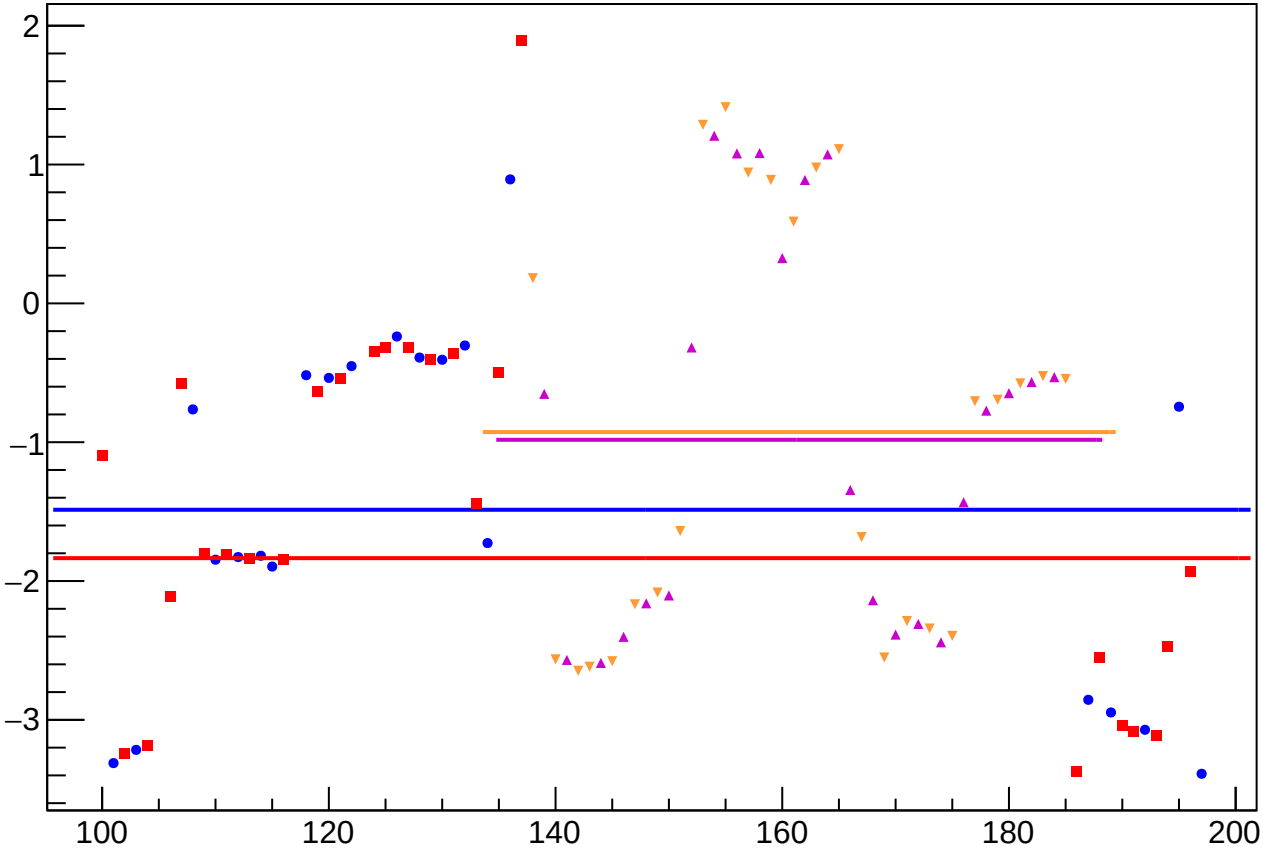
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1874061.5/45

All: 0.003+/-0.000 χ^2/NDF: 3772802.0/94

- sign 0.004+/-0.000 χ^2/NDF: 1876378.3/48

yield_bpm0r03X_mean vs Slug



Right In: -1.487+/-0.000 χ^2/NDF: 3868147631.9/20

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.835+/-0.000 χ^2/NDF: 3019286902.6/25

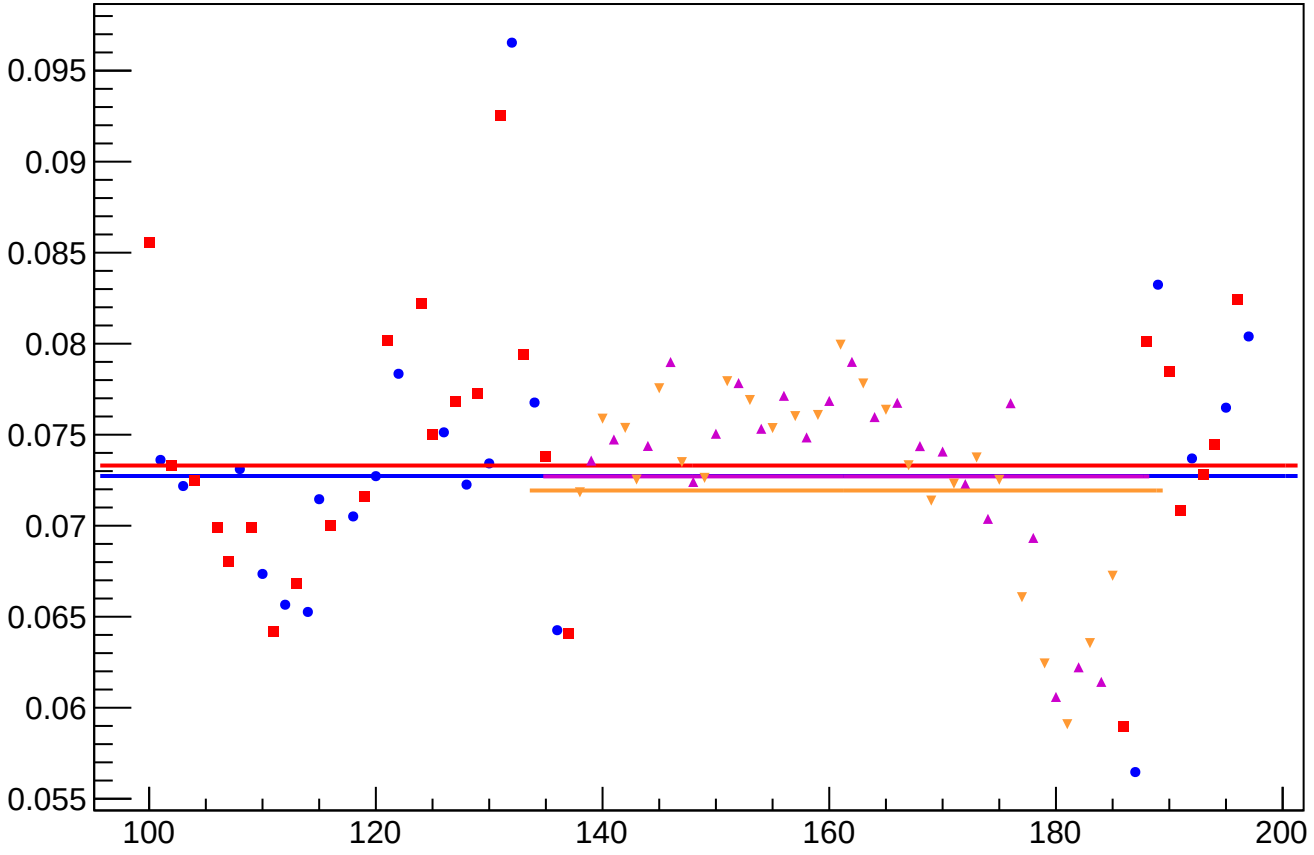
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.122+/-0.000 χ^2/NDF: 11516099991.6/45

All: -1.218+/-0.000 χ^2/NDF: 21519309883.4/

- sign -1.315+/-0.000 χ^2/NDF: 9898459142.3/48

yield_bpm0r03X_rms vs Slug



Right In: 0.073+/-0.000 χ^2/NDF: 170286.1/20

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

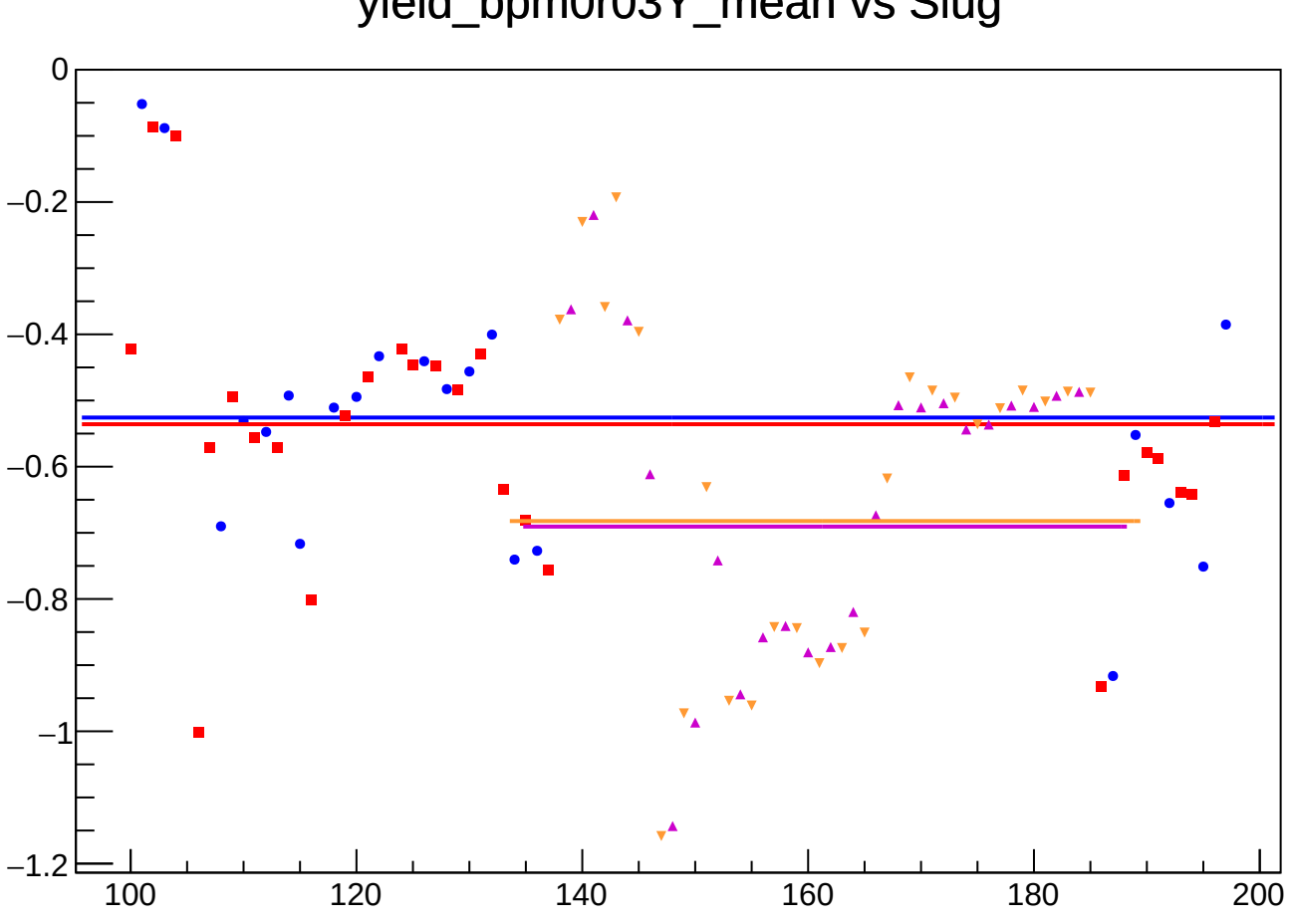
Right Out: 0.073+/-0.000 χ^2/NDF: 182514.0/25

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 407439.2/45

All: 0.073+/-0.000 χ^2/NDF: 790888.2/94

- sign 0.073+/-0.000 χ^2/NDF: 380466.0/48



Right In: -0.526+/-0.000 χ^2/NDF: 5658690008.6/20

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.536+/-0.000 χ^2/NDF: 4529029684.2/25

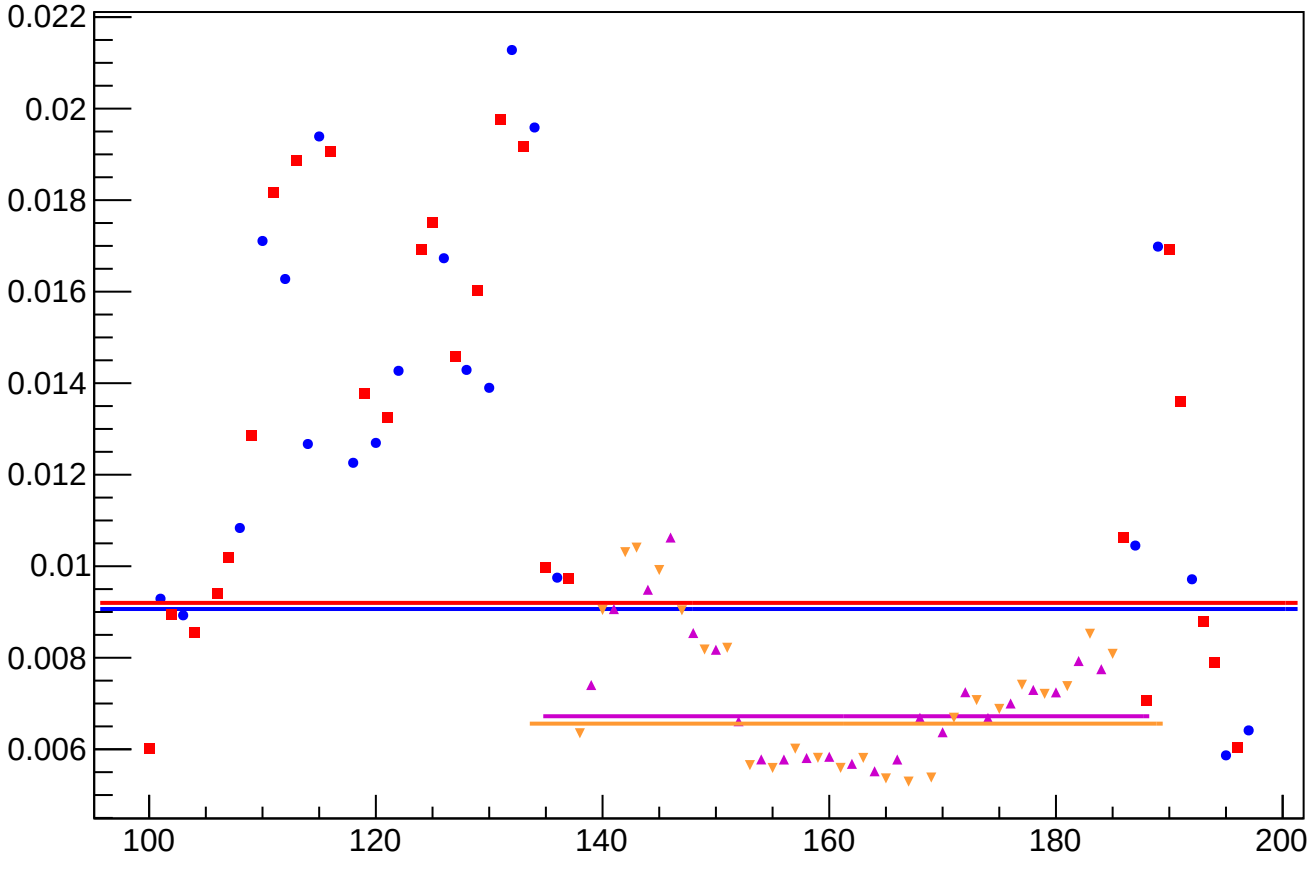
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.651+/-0.000 χ^2/NDF: 29493871194.2/45

All: -0.653+/-0.000 χ^2/NDF: 52928752891.3/

- sign -0.655+/-0.000 χ^2/NDF: 23430288747.5/48

yield_bpm0r03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2382762.0/20

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2463816.4/25

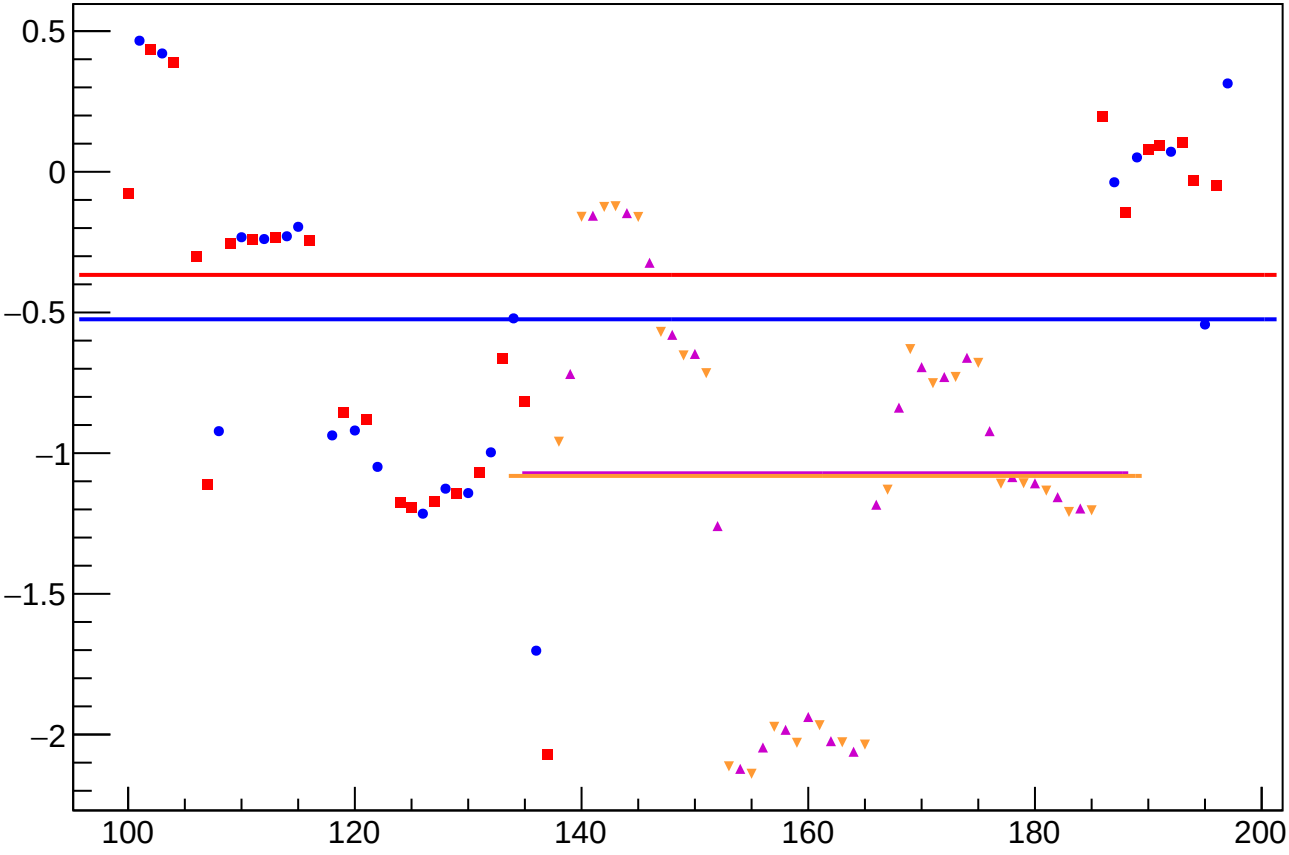
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4818351.4/45

All: 0.007+/-0.000 χ^2/NDF: 9310255.3/94

- sign 0.007+/-0.000 χ^2/NDF: 4466498.9/48

yield_bpm0r05X_mean vs Slug



Right In: -0.524+/-0.000 χ^2/NDF: 596433652.4/20

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.366+/-0.000 χ^2/NDF: 476484643.5/25

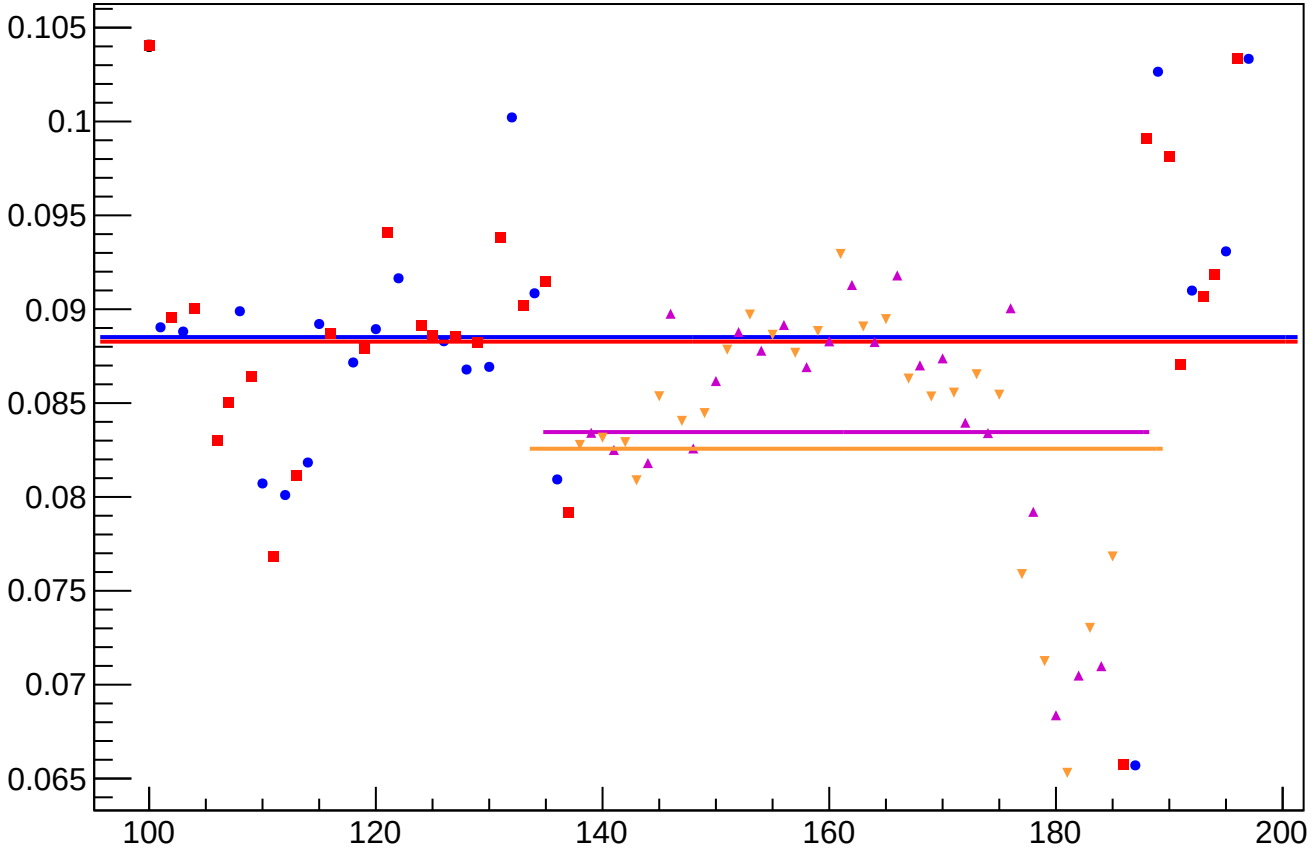
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.901+/-0.000 χ^2/NDF: 2029893253.6/45

All: -0.856+/-0.000 χ^2/NDF: 3974213067.9/9

- sign -0.812+/-0.000 χ^2/NDF: 1927975934.9/48

yield_bpm0r05X_rms vs Slug



Right In: 0.089+/-0.000 χ^2/NDF: 154360.7/20

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.088+/-0.000 χ^2/NDF: 212446.1/25

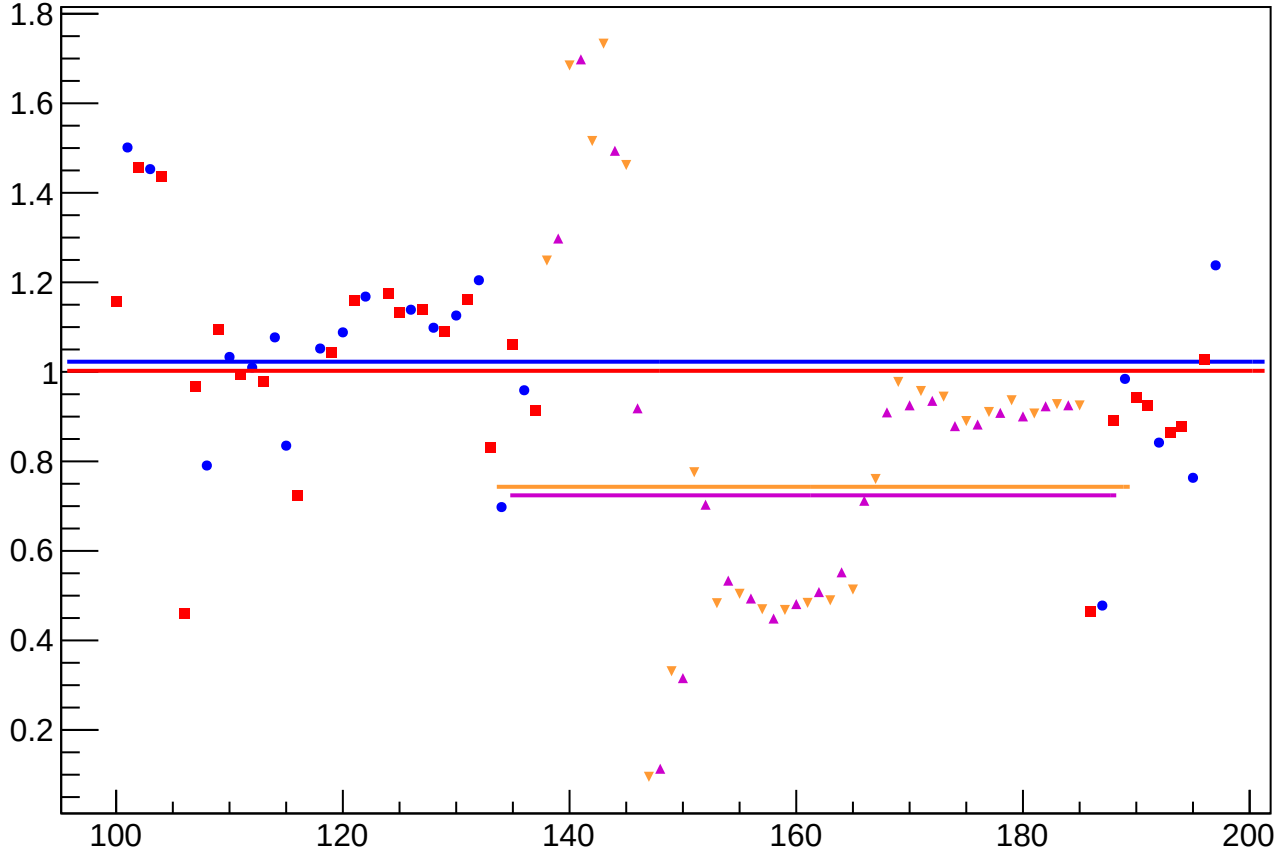
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 509689.4/45

All: 0.085+/-0.000 χ^2/NDF: 1007218.9/94

- sign 0.085+/-0.000 χ^2/NDF: 495283.5/48

yield_bpm0r05Y_mean vs Slug



Right In: 1.023+/-0.000 χ^2/NDF: 3366857391.2/20

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.002+/-0.000 χ^2/NDF: 2766070179.3/25

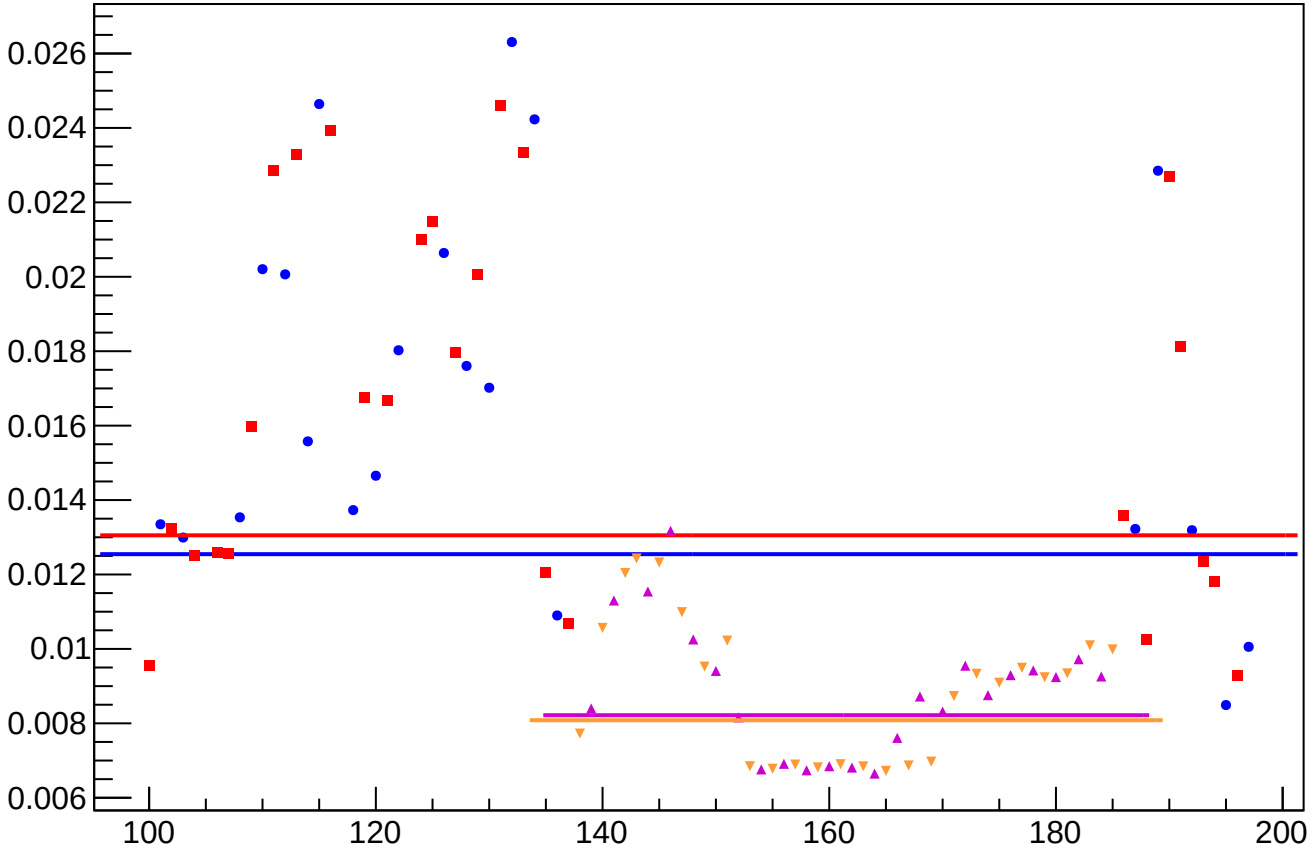
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.791+/-0.000 χ^2/NDF: 39568439478.5/45

All: 0.784+/-0.000 χ^2/NDF: 71623378608.8/9

- sign 0.776+/-0.000 χ^2/NDF: 32021462495.8/48

yield_bpm0r05Y_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1634995.3/20

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1660524.1/25

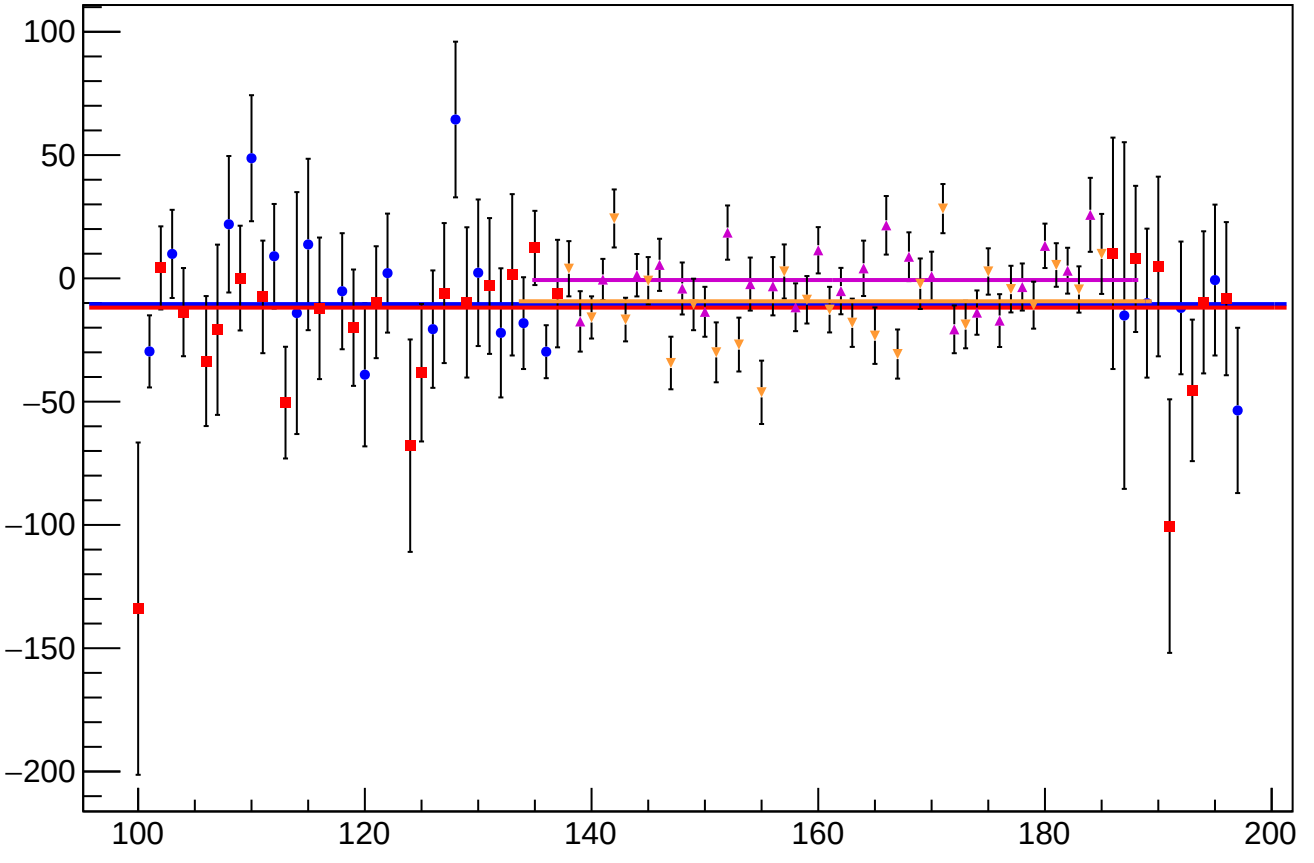
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4887059.6/45

All: 0.009+/-0.000 χ^2/NDF: 9875267.1/94

- sign 0.009+/-0.000 χ^2/NDF: 4963409.9/48

diff_bpm4aX_mean vs Slug



Right In: -10.438+/-4.978 χ^2/NDF: 23.7/20

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -11.869+/-5.046 χ^2/NDF: 19.1/25

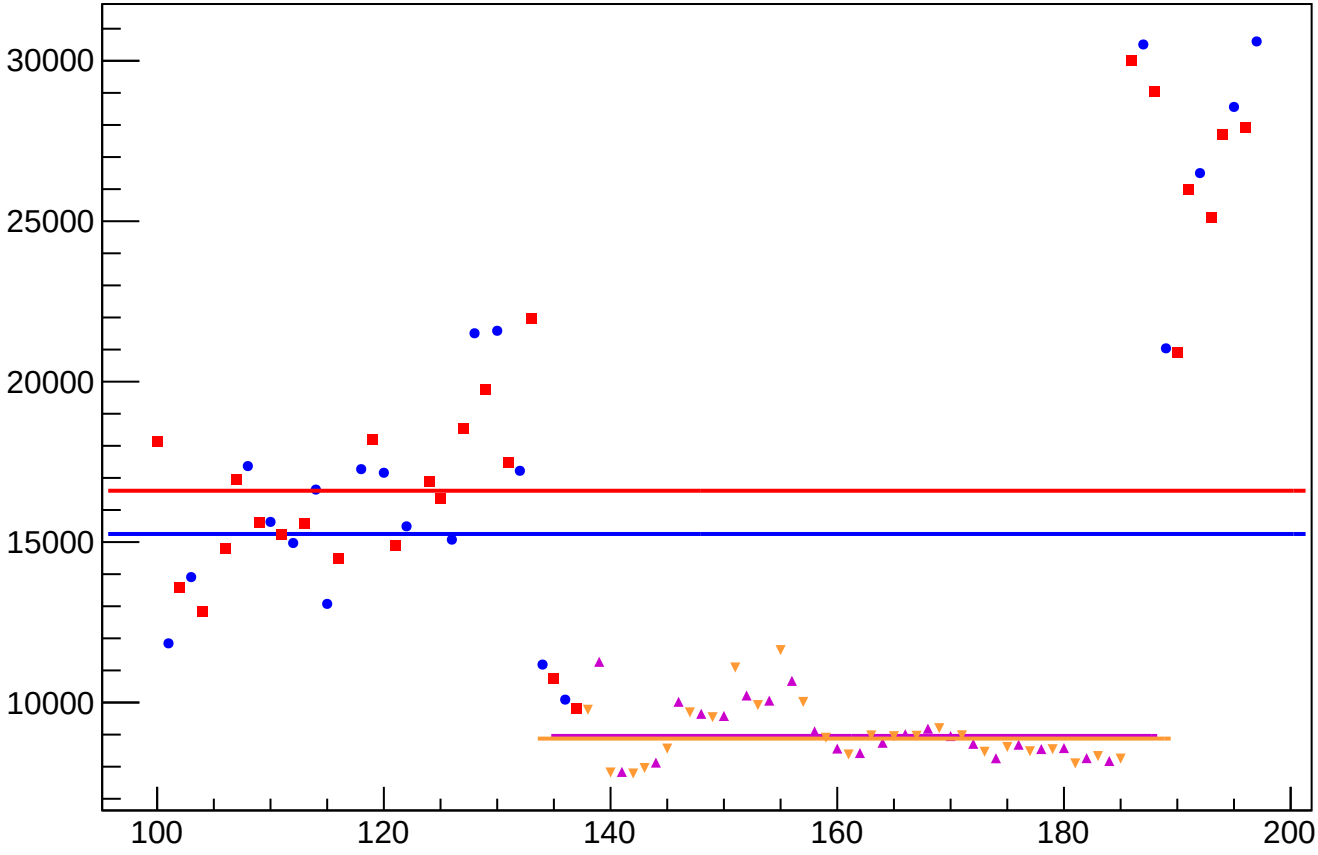
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.455+/-1.880 χ^2/NDF: 84.9/45

All: -6.010+/-1.351 χ^2/NDF: 144.6/94

- sign -2.334+/-1.942 χ^2/NDF: 52.7/48

diff_bpm4aX_rms vs Slug



Right In: 15252.787+/-3.520 χ^2/NDF: 2218651.2/20

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 16600.241+/-3.568 χ^2/NDF: 2141680.8/25

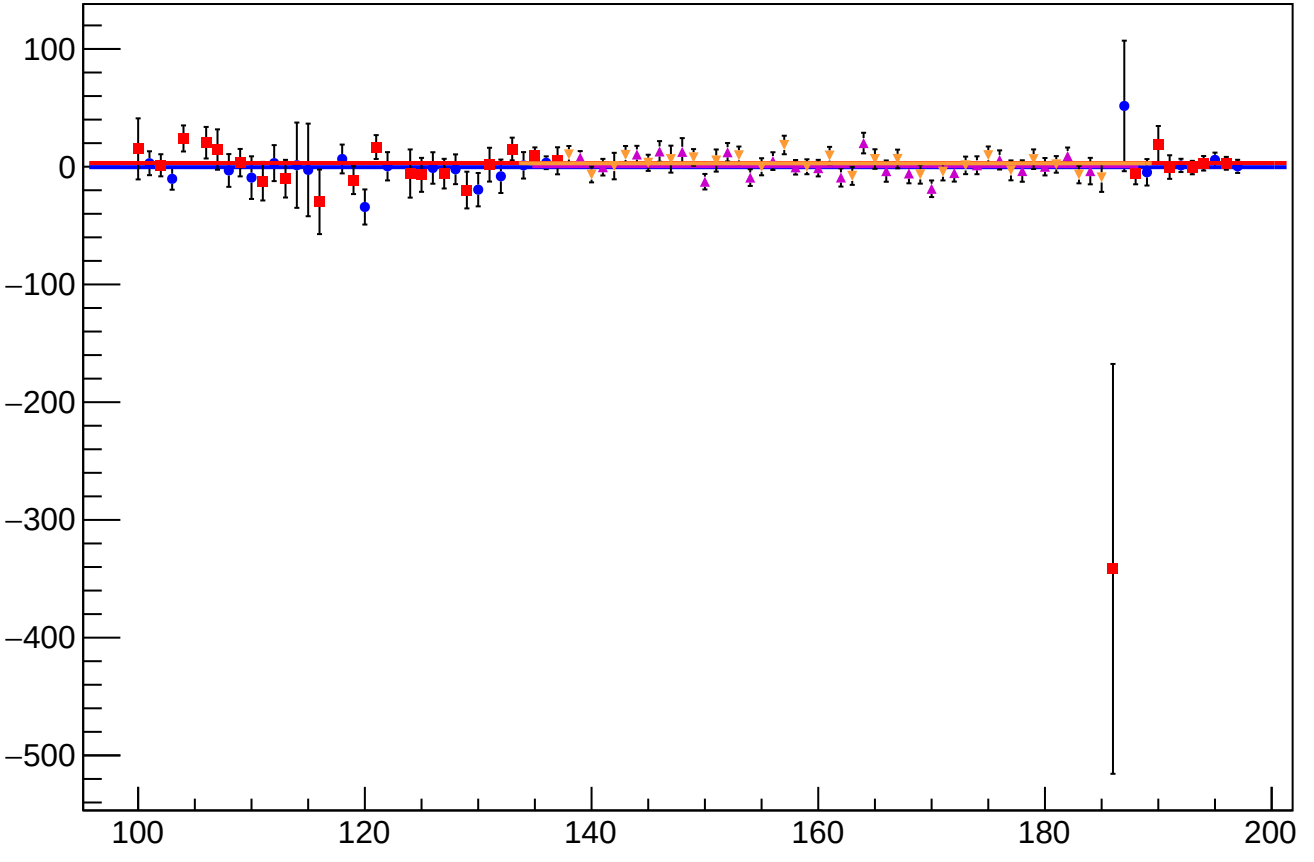
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9785.511+/-1.329 χ^2/NDF: 5380116.9/45

All: 9933.083+/-0.955 χ^2/NDF: 11755994.9/9

- sign 10090.542+/-1.373 χ^2/NDF: 6350410.2/48

diff_bpm4aY_mean vs Slug



Right In: -0.407+/-2.154 χ^2/NDF: 11.8/20

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

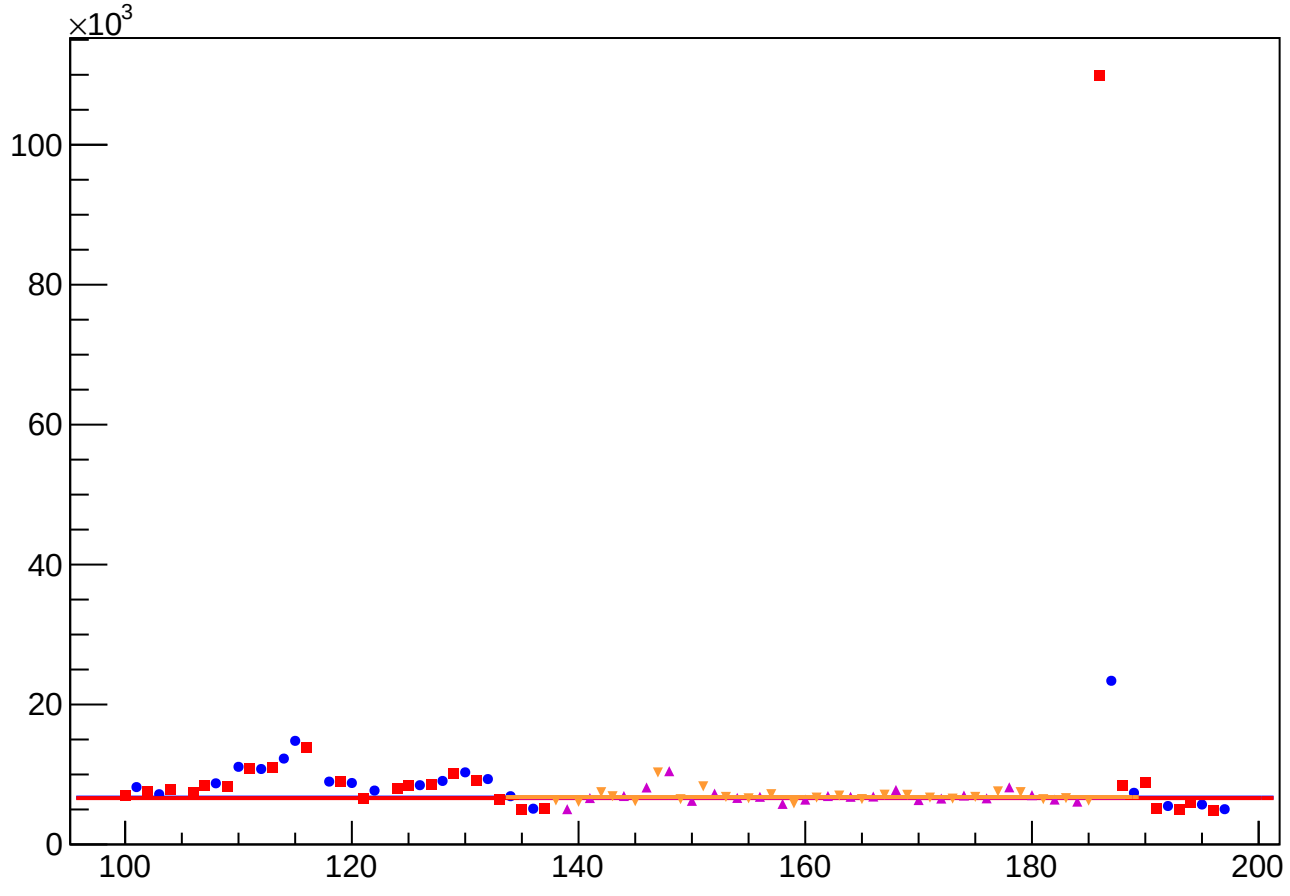
Right Out: 3.153+/-2.041 χ^2/NDF: 24.3/25

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.754+/-1.260 χ^2/NDF: 32.9/45

All: 1.610+/-0.887 χ^2/NDF: 91.0/94

- sign 1.467+/-1.250 χ^2/NDF: 58.1/48



Right In: 6696.484+/-1.523 χ^2/NDF: 1593064.3/20

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

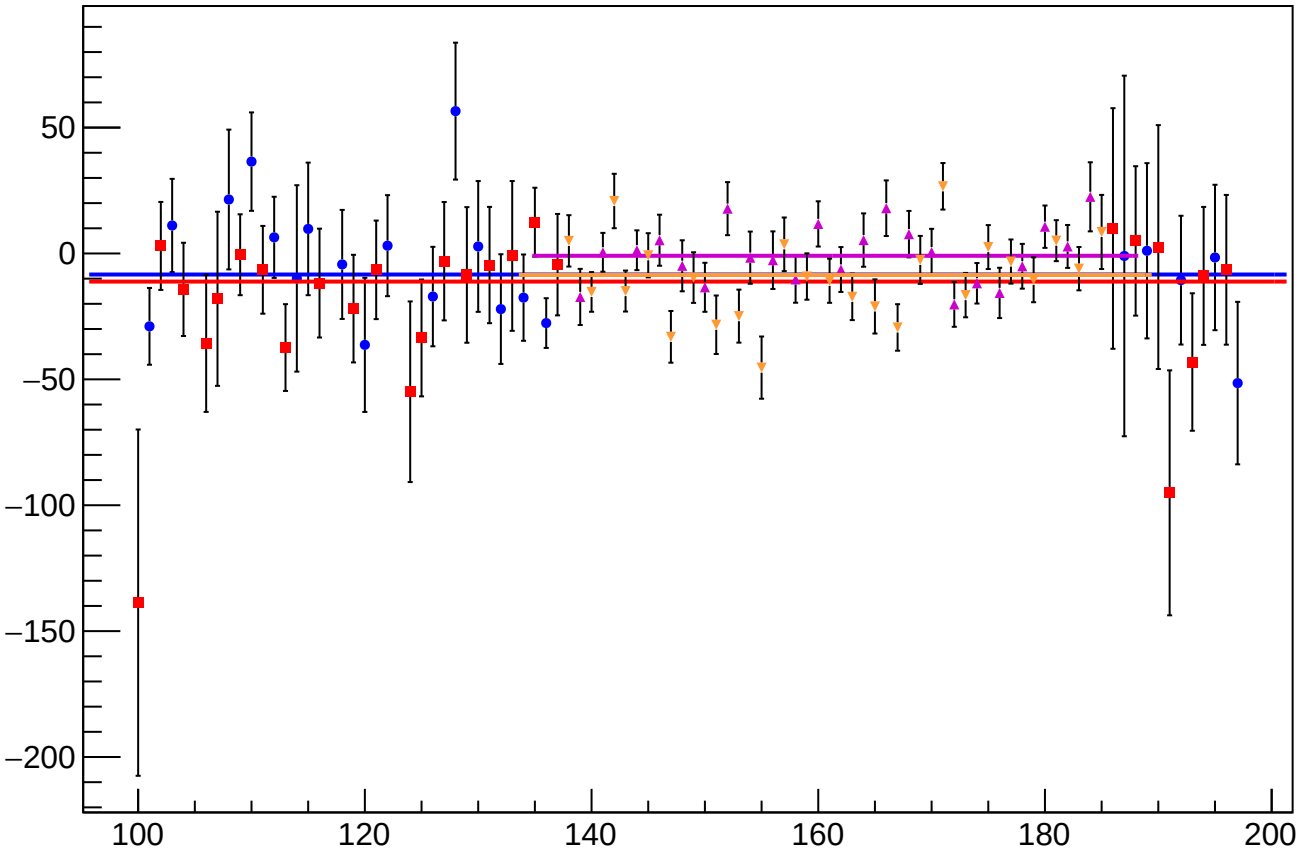
Right Out: 6623.057+/-1.443 χ^2/NDF: 2281253.5/25

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6749.269+/-0.891 χ^2/NDF: 1995057.5/45

All: 6706.599+/-0.628 χ^2/NDF: 4902464.6/94

- sign 6664.604+/-0.884 χ^2/NDF: 2902856.8/48



Right In: -8.361+/-4.515 χ^2/NDF: 24.6/20

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

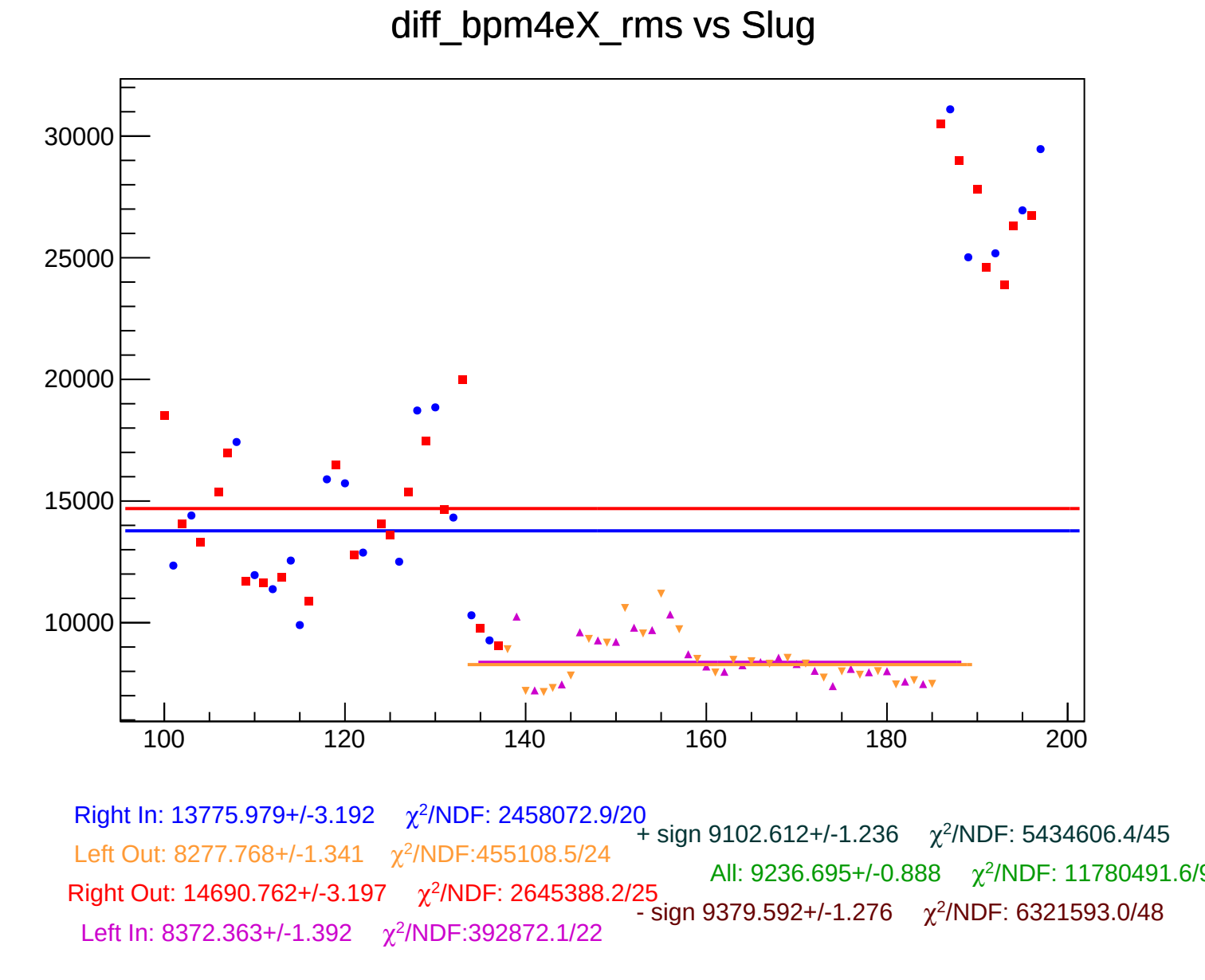
Right Out: -11.165+/-4.521 χ^2/NDF: 18.9/25

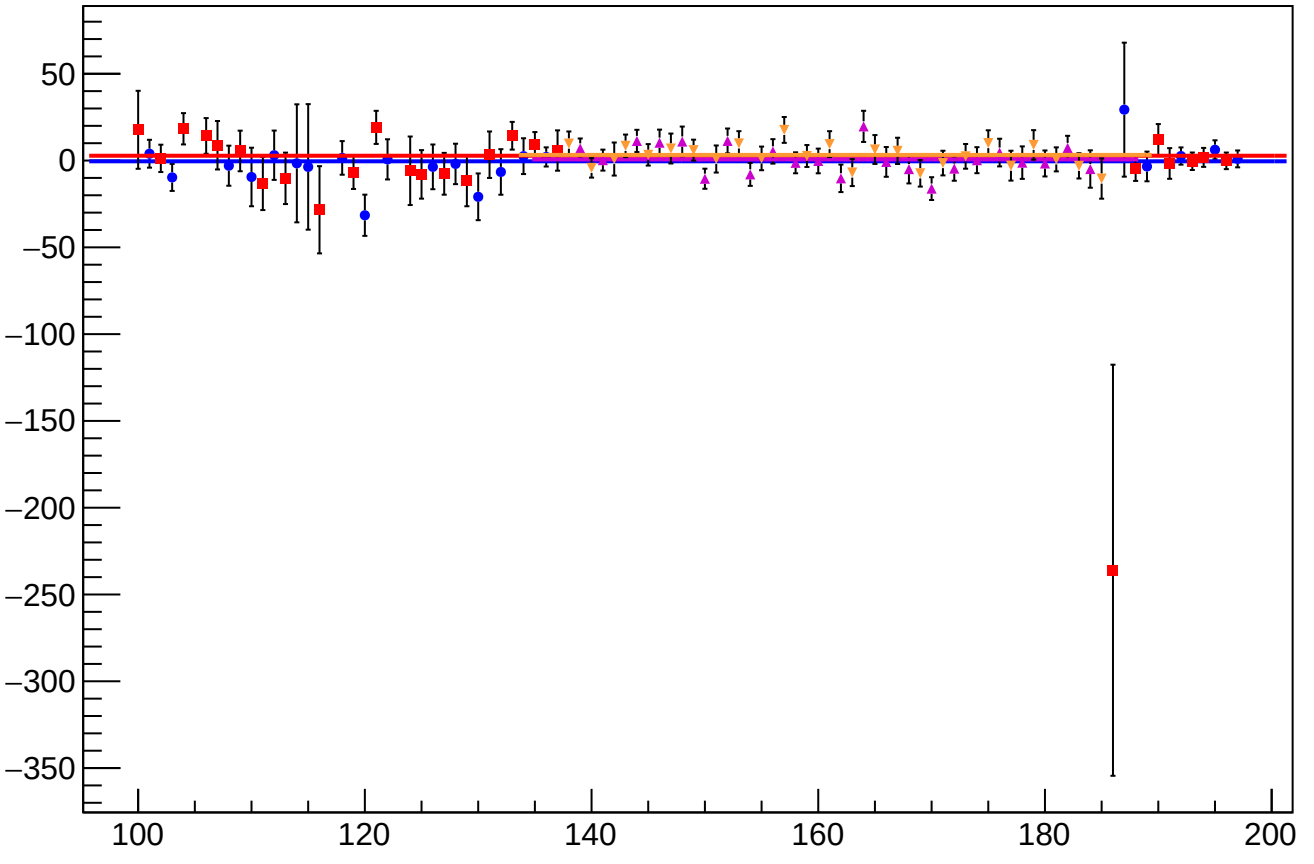
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.510+/-1.749 χ^2/NDF: 86.6/45

All: -5.626+/-1.256 χ^2/NDF: 144.5/94

- sign -2.553+/-1.805 χ^2/NDF: 52.3/48


diff_bpm4eX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 13775.979+/-3.192 χ²/NDF: 2458072.9/20
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 14690.762+/-3.197 χ²/NDF: 2645388.2/25
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
+ sign 9102.612+/-1.236 χ²/NDF: 5434606.4/45
All: 9236.695+/-0.888 χ²/NDF: 11780491.6/9
- sign 9379.592+/-1.276 χ²/NDF: 6321593.0/48



Right In: -0.426+/-1.916 χ^2/NDF: 14.6/20

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

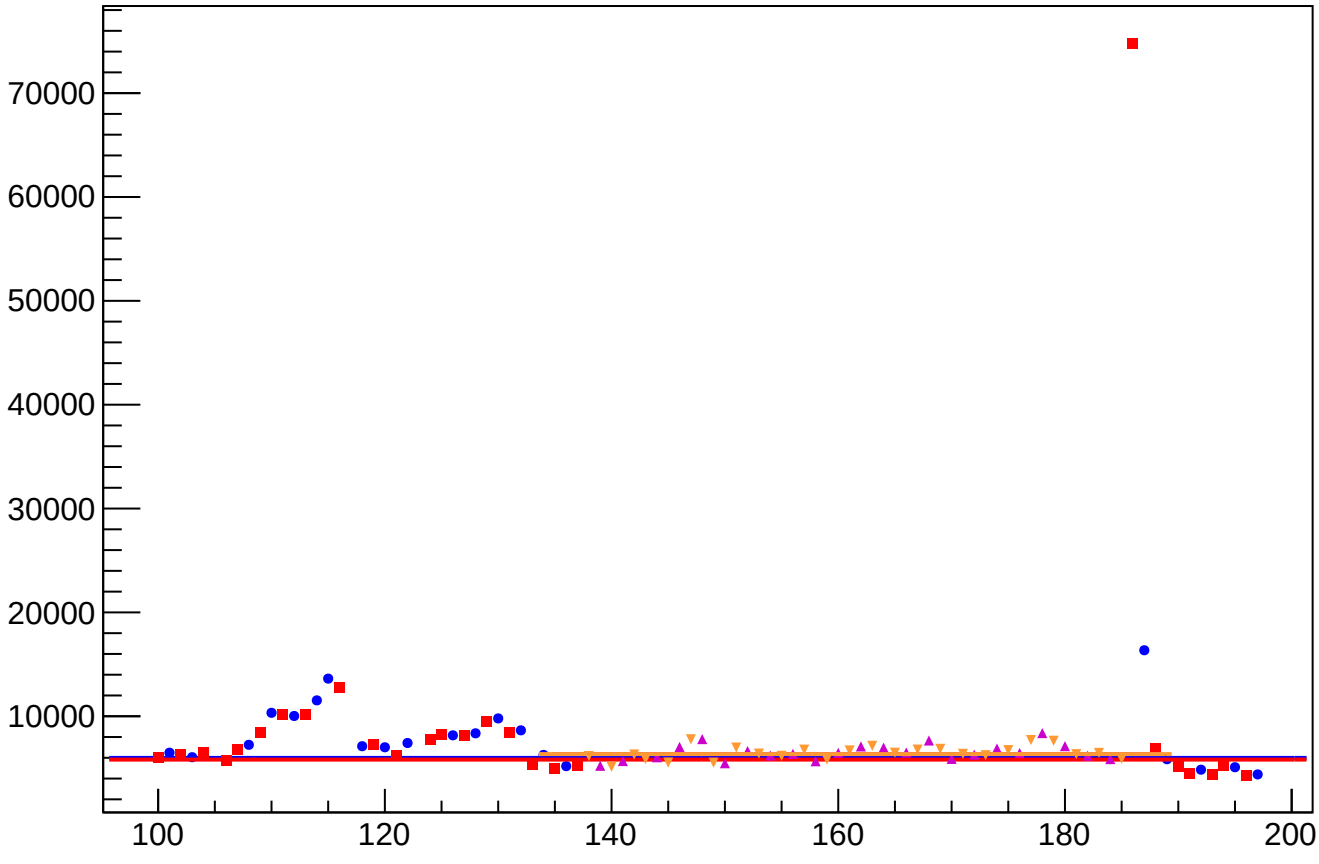
Right Out: 2.779+/-1.785 χ^2/NDF: 24.9/25

Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.906+/-1.160 χ^2/NDF: 34.5/45

All: 1.715+/-0.816 χ^2/NDF: 91.1/94

- sign 1.528+/-1.148 χ^2/NDF: 56.5/48



Right In: 5989.042+/-1.355 χ^2/NDF: 1480935.3/20

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5827.094+/-1.262 χ^2/NDF: 2247770.1/25

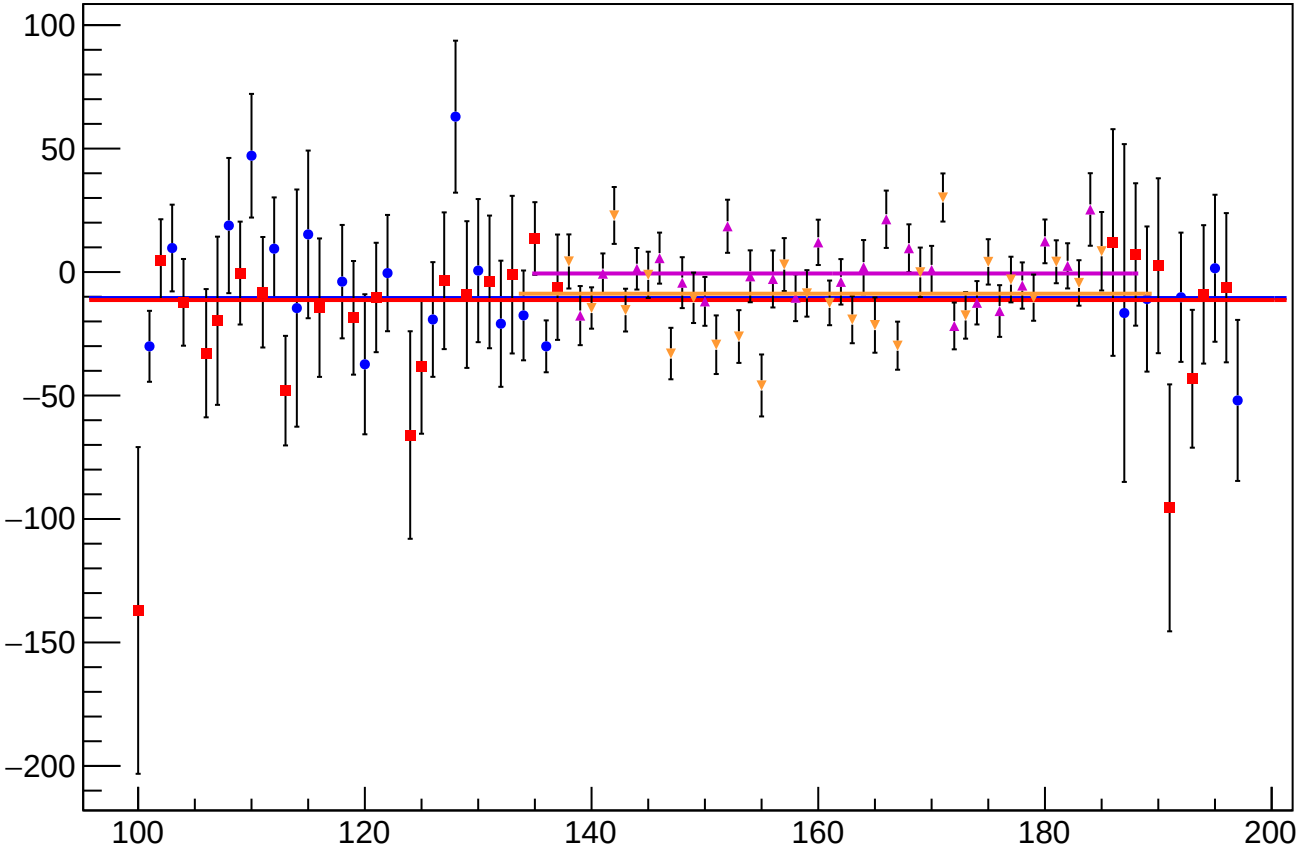
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6222.555+/-0.820 χ^2/NDF: 1941939.4/45

All: 6180.635+/-0.577 χ^2/NDF: 4773222.0/94

- sign 6139.560+/-0.812 χ^2/NDF: 2826110.2/48

diff_bpm4acX_mean vs Slug



Right In: -10.525+/-4.868 χ^2/NDF: 23.9/20

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -11.335+/-4.935 χ^2/NDF: 19.3/25

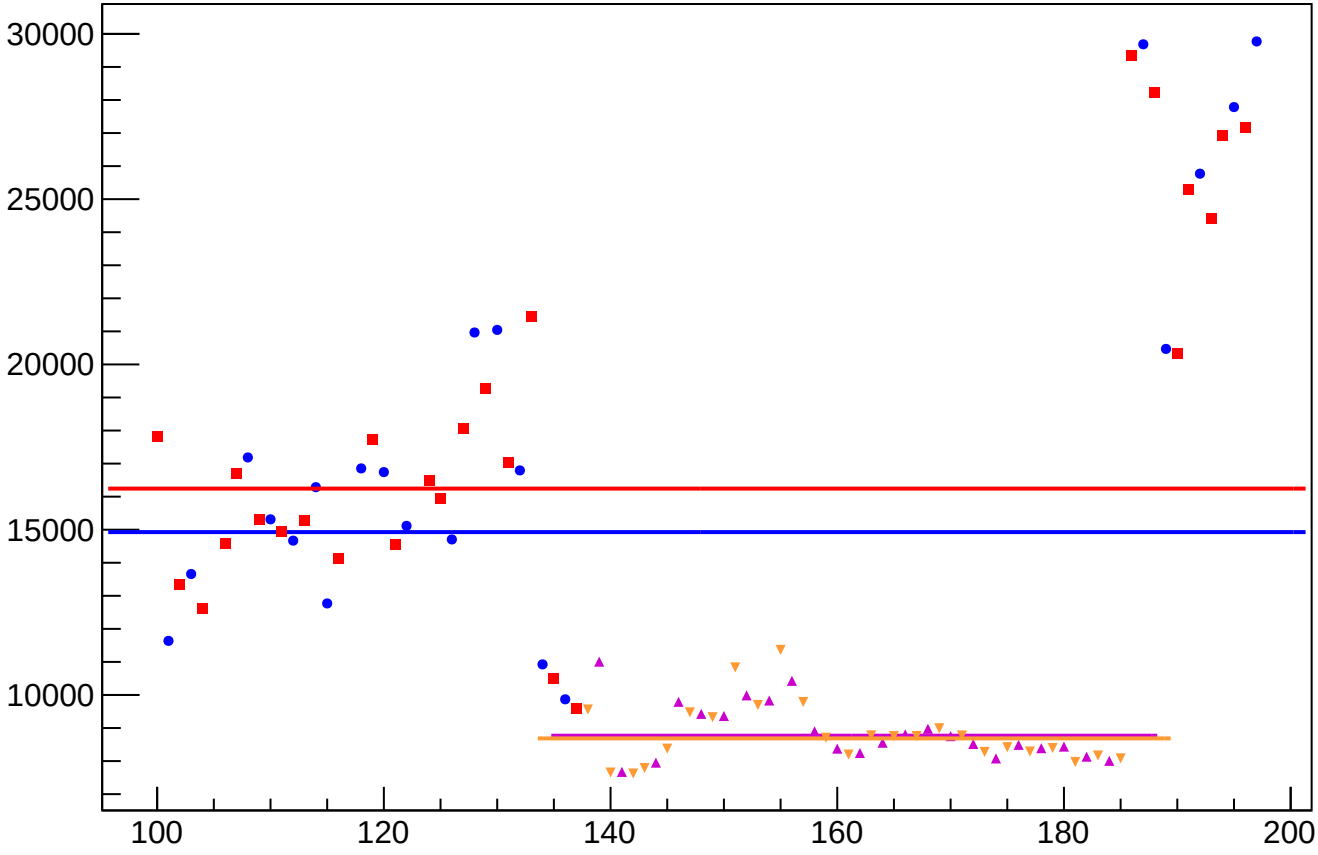
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -9.018+/-1.840 χ^2/NDF: 86.7/45

All: -5.707+/-1.322 χ^2/NDF: 146.3/94

- sign -2.174+/-1.900 χ^2/NDF: 52.9/48

diff_bpm4acX_rms vs Slug



Right In: 14927.402+/-3.442 χ^2/NDF: 2194655.6/20

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 16243.918+/-3.489 χ^2/NDF: 2112179.3/25

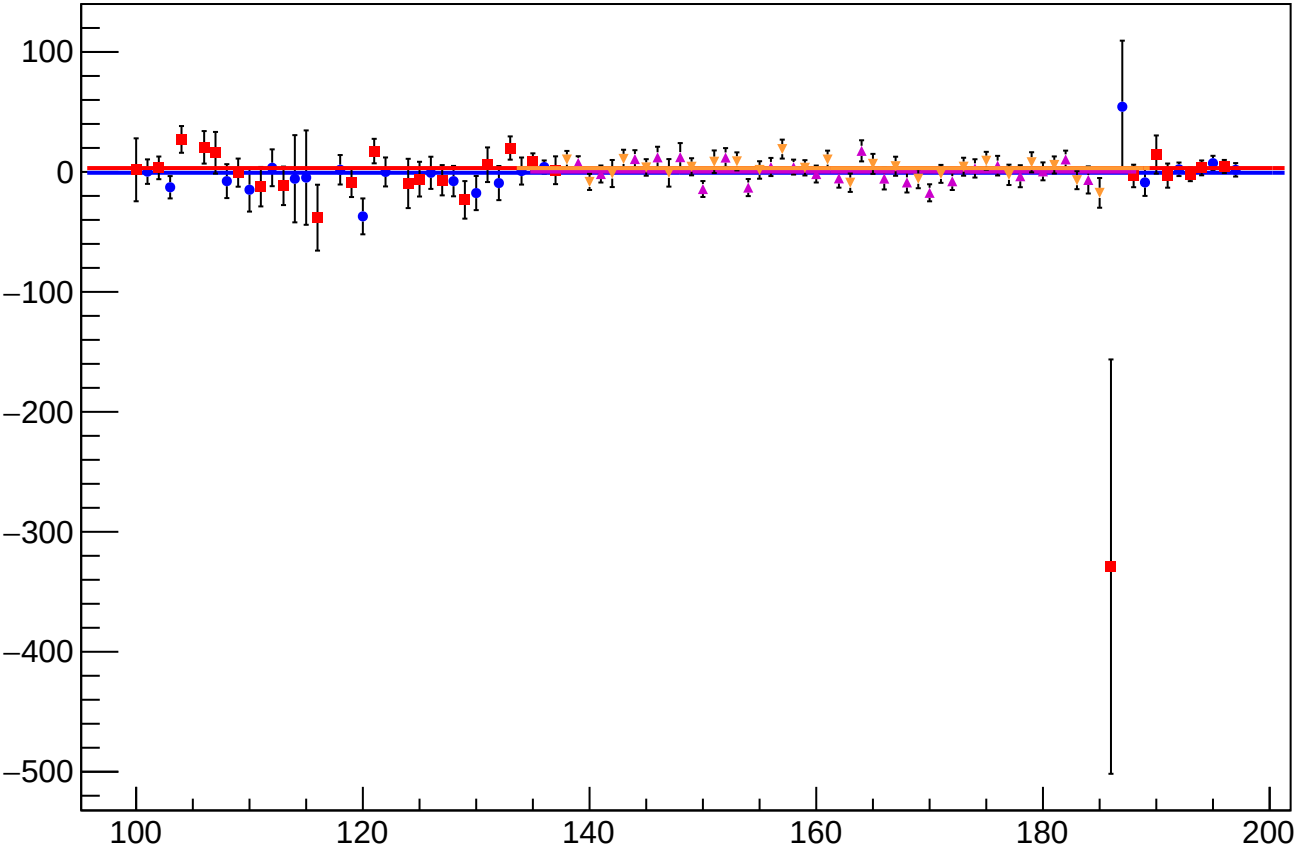
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9577.344+/-1.301 χ^2/NDF: 5353338.5/45

All: 9722.051+/-0.935 χ^2/NDF: 11696731.2/9

- sign 9876.459+/-1.344 χ^2/NDF: 6317813.3/48

diff_bpm4acY_mean vs Slug



Right In: -0.705+/-2.164 χ^2/NDF: 15.1/20

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 3.220+/-2.051 χ^2/NDF: 27.7/25

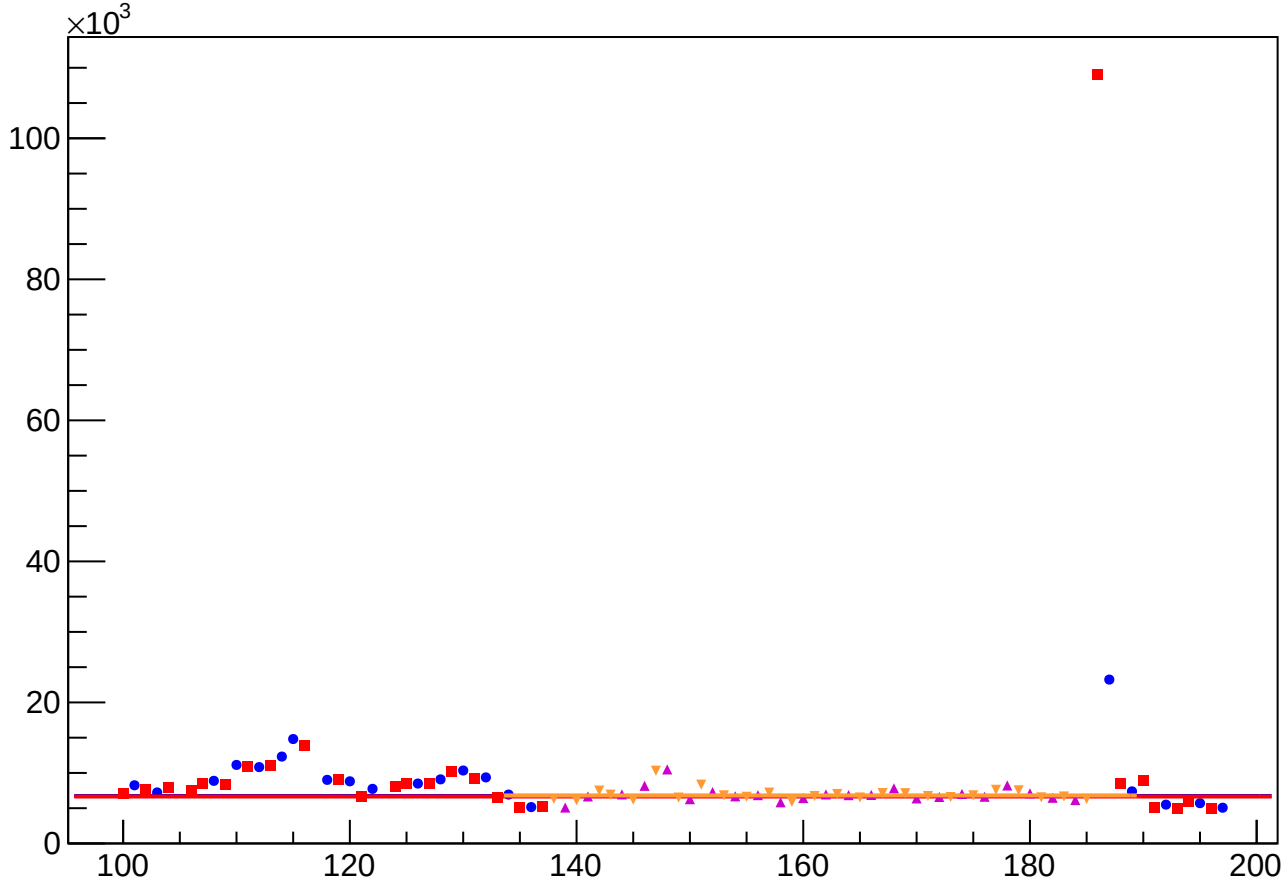
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.843+/-1.266 χ^2/NDF: 38.9/45

All: 1.608+/-0.892 χ^2/NDF: 102.2/94

- sign 1.377+/-1.257 χ^2/NDF: 63.2/48

diff_bpm4acY_rms vs Slug



Right In: 6728.465+/-1.530 χ^2/NDF: 1588480.0/20

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6657.901+/-1.450 χ^2/NDF: 2273952.5/25

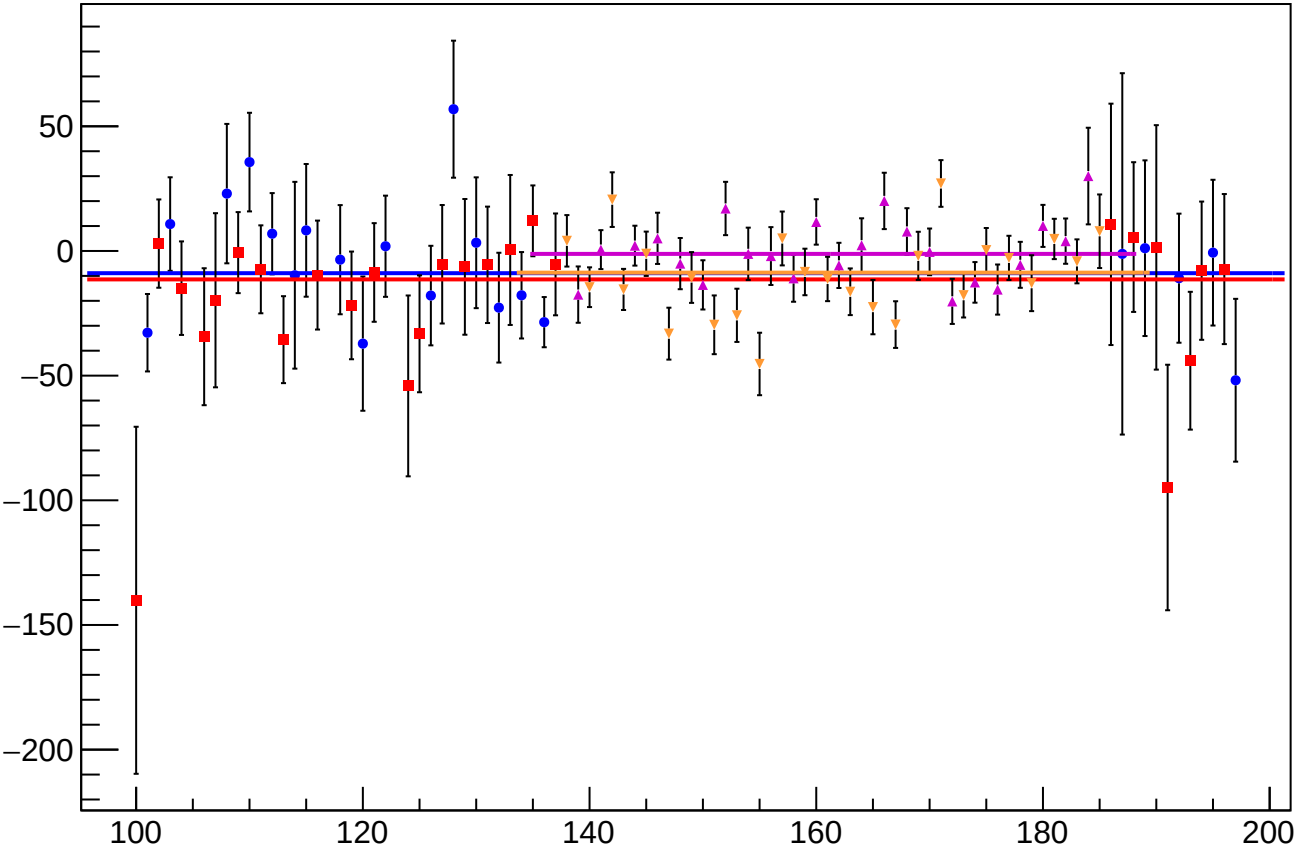
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6784.016+/-0.895 χ^2/NDF: 1985106.4/45

All: 6742.490+/-0.631 χ^2/NDF: 4874818.3/94

- sign 6701.595+/-0.889 χ^2/NDF: 2885443.4/48

diff_bpm4ecX_mean vs Slug



Right In: -8.910+/-4.576 χ^2/NDF: 25.2/20

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -11.403+/-4.586 χ^2/NDF: 17.8/25

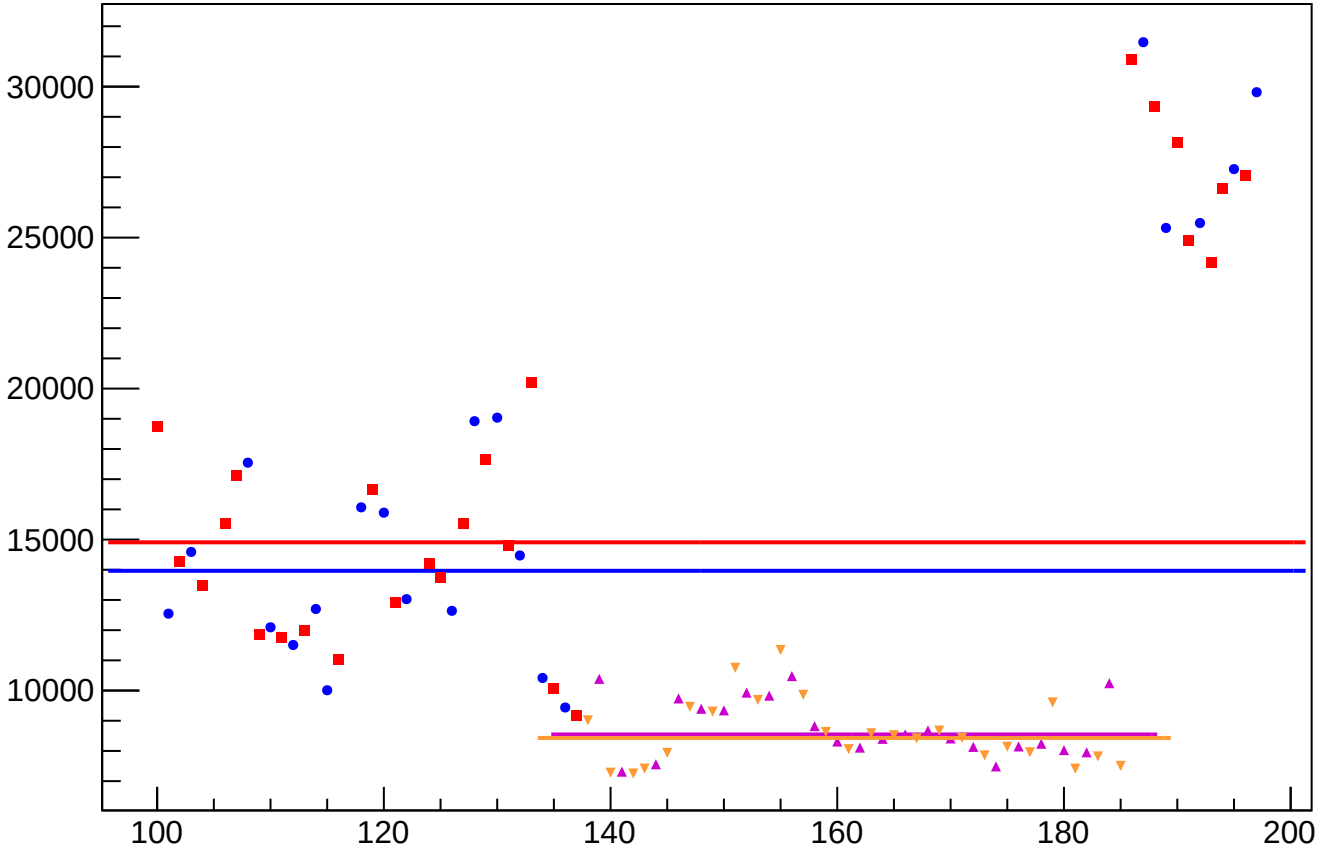
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.725+/-1.783 χ^2/NDF: 86.6/45

All: -5.872+/-1.281 χ^2/NDF: 142.4/94

- sign -2.825+/-1.843 χ^2/NDF: 50.6/48

diff_bpm4ecX_rms vs Slug



Right In: 13965.689+/-3.236 χ^2/NDF: 2438767.0/20

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

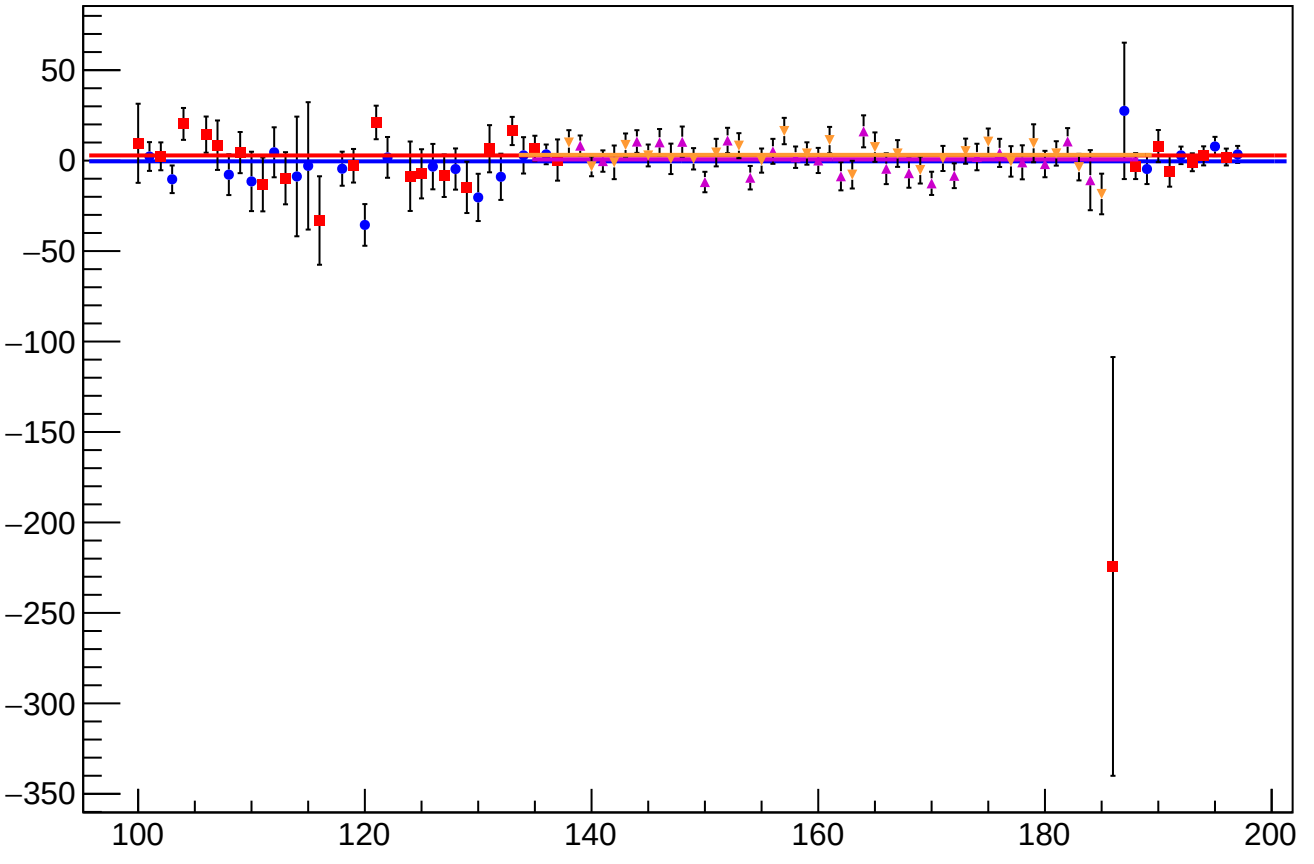
Right Out: 14908.947+/-3.243 χ^2/NDF: 2612465.0/25

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9271.076+/-1.261 χ^2/NDF: 5405127.0/45

All: 9417.032+/-0.906 χ^2/NDF: 11663815.0/9

- sign 9572.918+/-1.303 χ^2/NDF: 6230975.7/48



Right In: -0.400+/-1.869 χ^2/NDF: 20.3/20

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 2.860+/-1.744 χ^2/NDF: 27.2/25

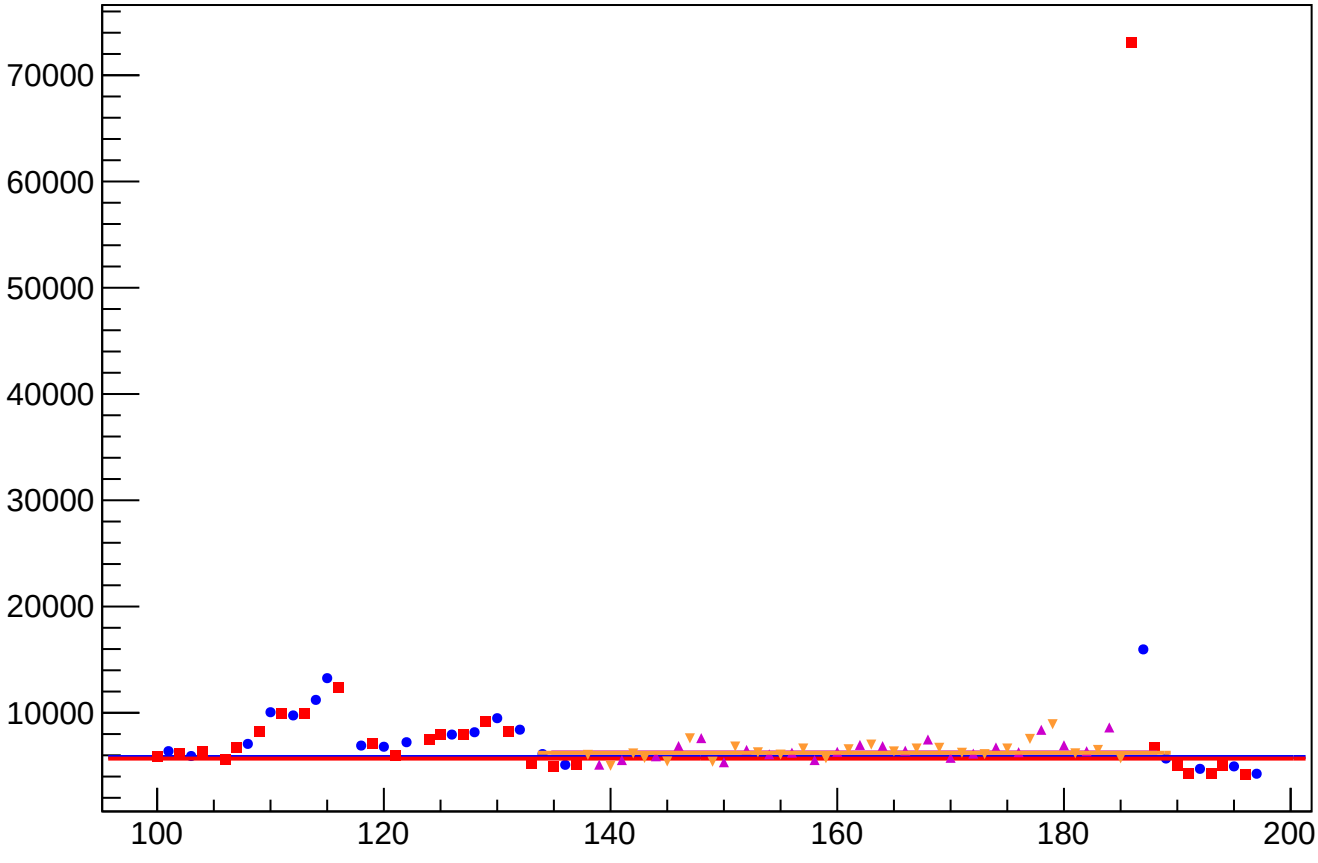
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.856+/-1.138 χ^2/NDF: 41.3/45

All: 1.710+/-0.802 χ^2/NDF: 101.3/94

- sign 1.567+/-1.129 χ^2/NDF: 60.0/48

diff_bpm4ecY_rms vs Slug



Right In: 5838.059+/-1.322 χ^2/NDF: 1484141.3/20

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5691.893+/-1.234 χ^2/NDF: 2224711.2/25

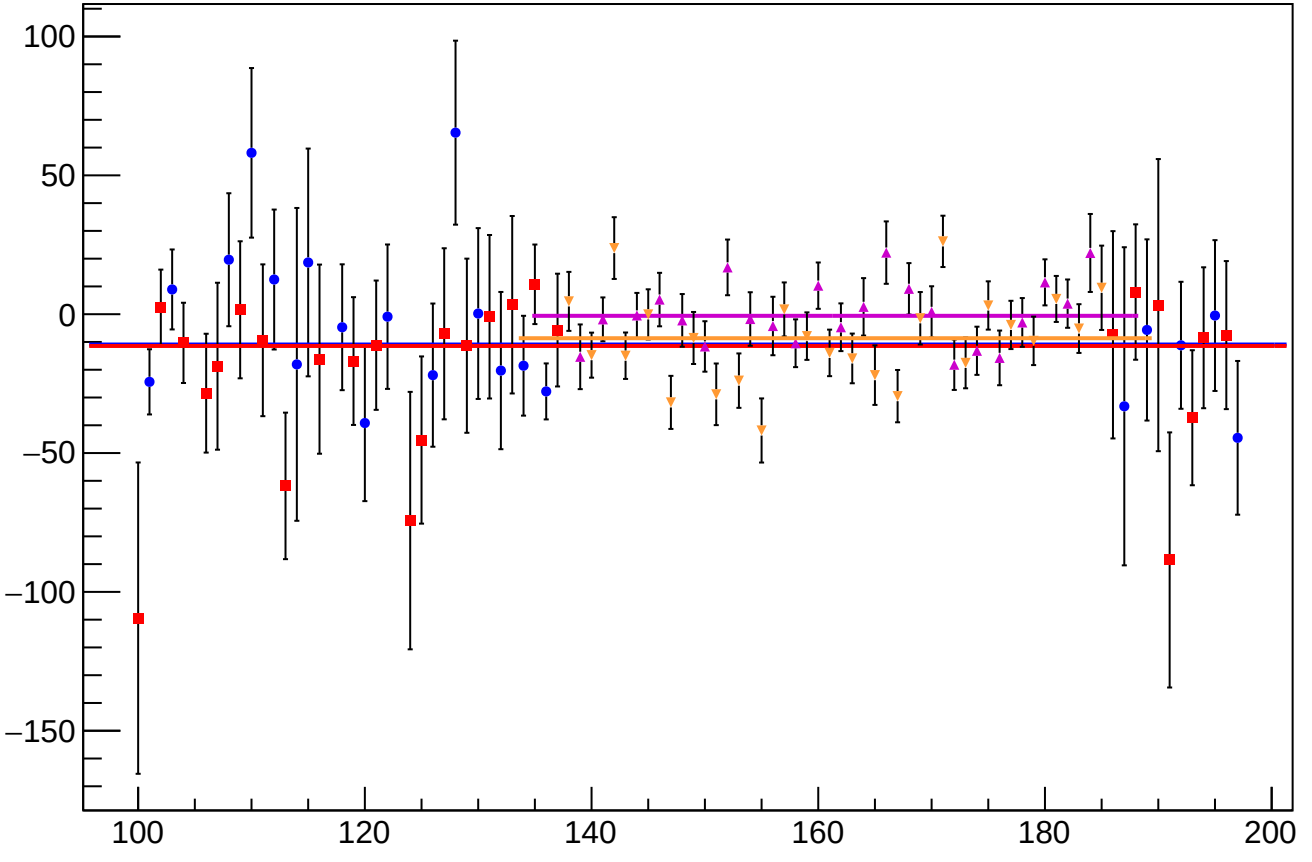
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6089.680+/-0.805 χ^2/NDF: 2049461.3/45

All: 6057.949+/-0.567 χ^2/NDF: 4928408.5/94

- sign 6026.709+/-0.799 χ^2/NDF: 2875862.3/48

diff_bpm1X_mean vs Slug



Right In: -10.920+/-4.686 χ^2/NDF: 23.1/20

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

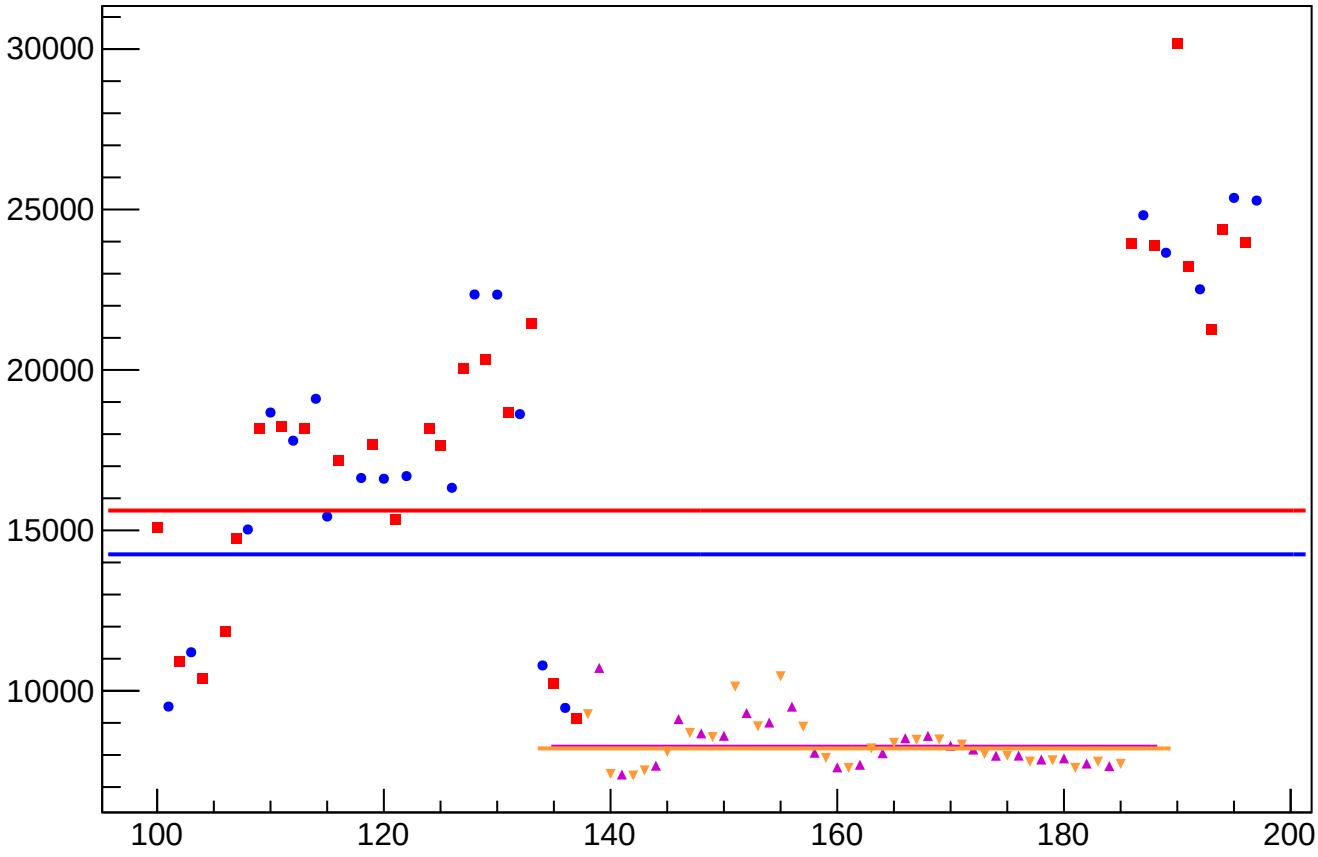
Right Out: -11.439+/-4.778 χ^2/NDF: 19.5/25

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -8.964+/-1.741 χ^2/NDF: 86.3/45

All: -5.648+/-1.250 χ^2/NDF: 146.2/94

- sign -2.118+/-1.797 χ^2/NDF: 52.4/48



Right In: 14252.557+/-3.313 χ^2/NDF: 2560855.2/20

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 15617.978+/-3.379 χ^2/NDF: 2401799.5/25

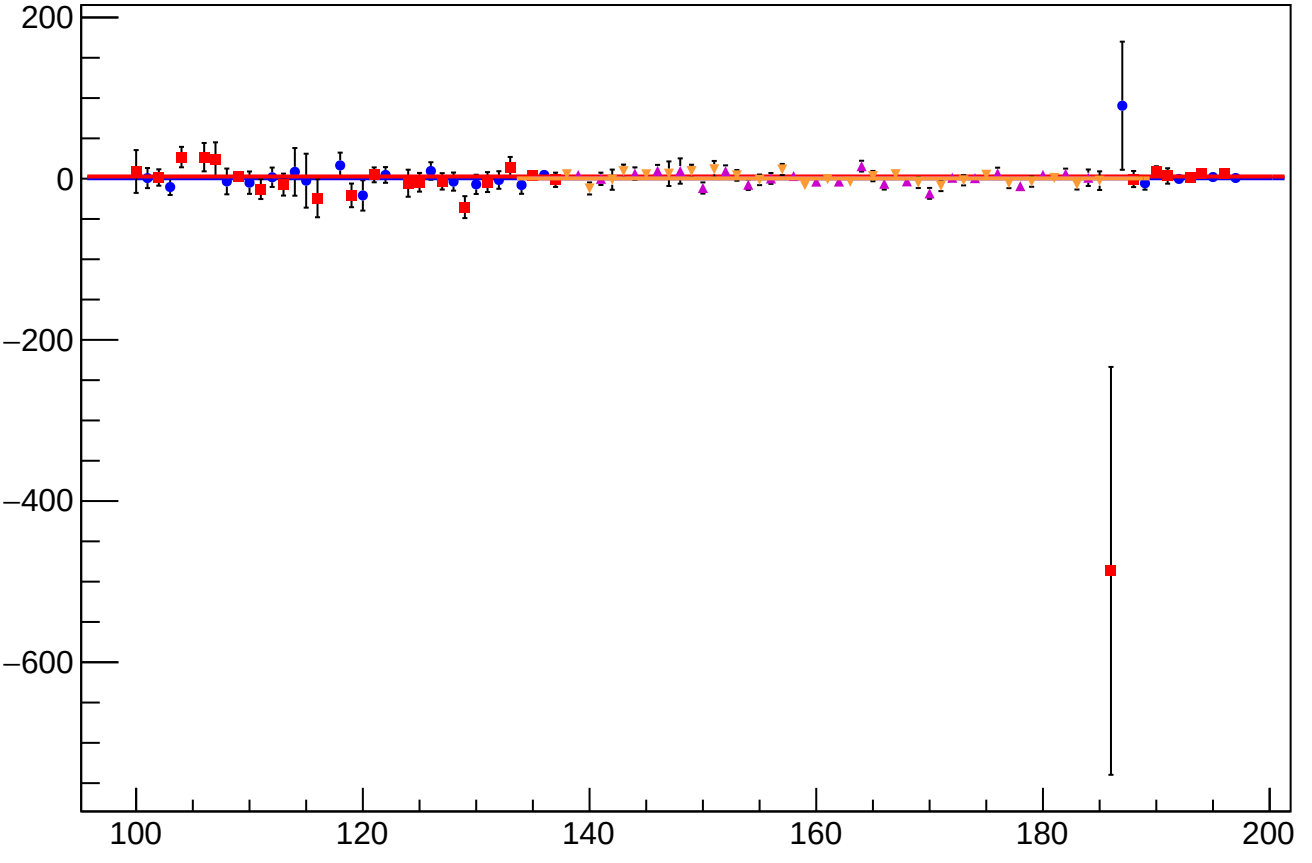
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9039.292+/-1.231 χ^2/NDF: 5705813.1/45

All: 9165.319+/-0.884 χ^2/NDF: 12459947.3/9

- sign 9299.536+/-1.270 χ^2/NDF: 6732489.9/48

diff_bpm1Y_mean vs Slug



Right In: 0.511+/-1.941 χ^2/NDF: 8.8/20

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

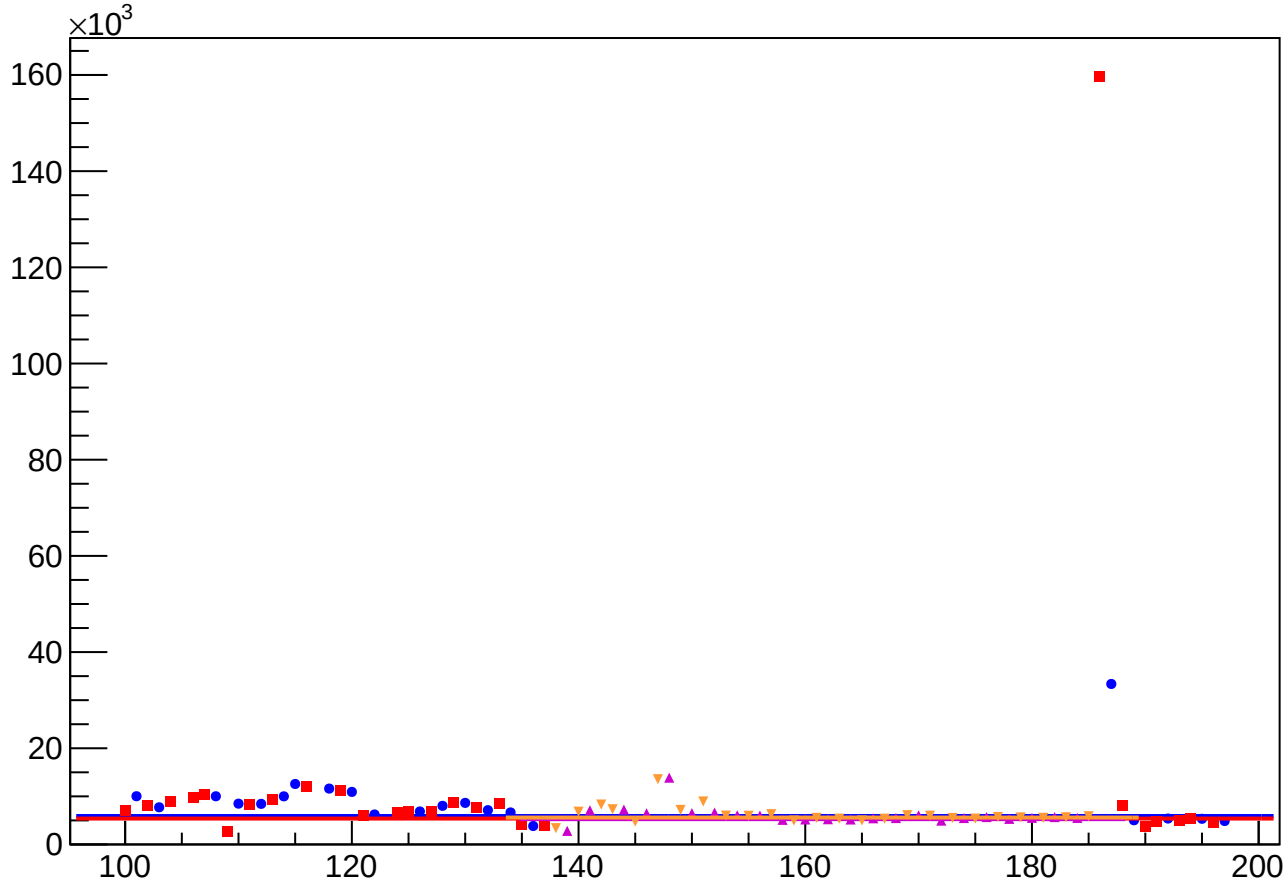
Right Out: 2.715+/-1.746 χ^2/NDF: 28.4/25

Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.403+/-1.092 χ^2/NDF: 30.4/45

All: 0.937+/-0.753 χ^2/NDF: 89.9/94

- sign 1.418+/-1.038 χ^2/NDF: 59.1/48



Right In: 5910.183+/-1.372 χ^2/NDF: 2208535.0/20

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5386.201+/-1.235 χ^2/NDF: 3667834.1/25

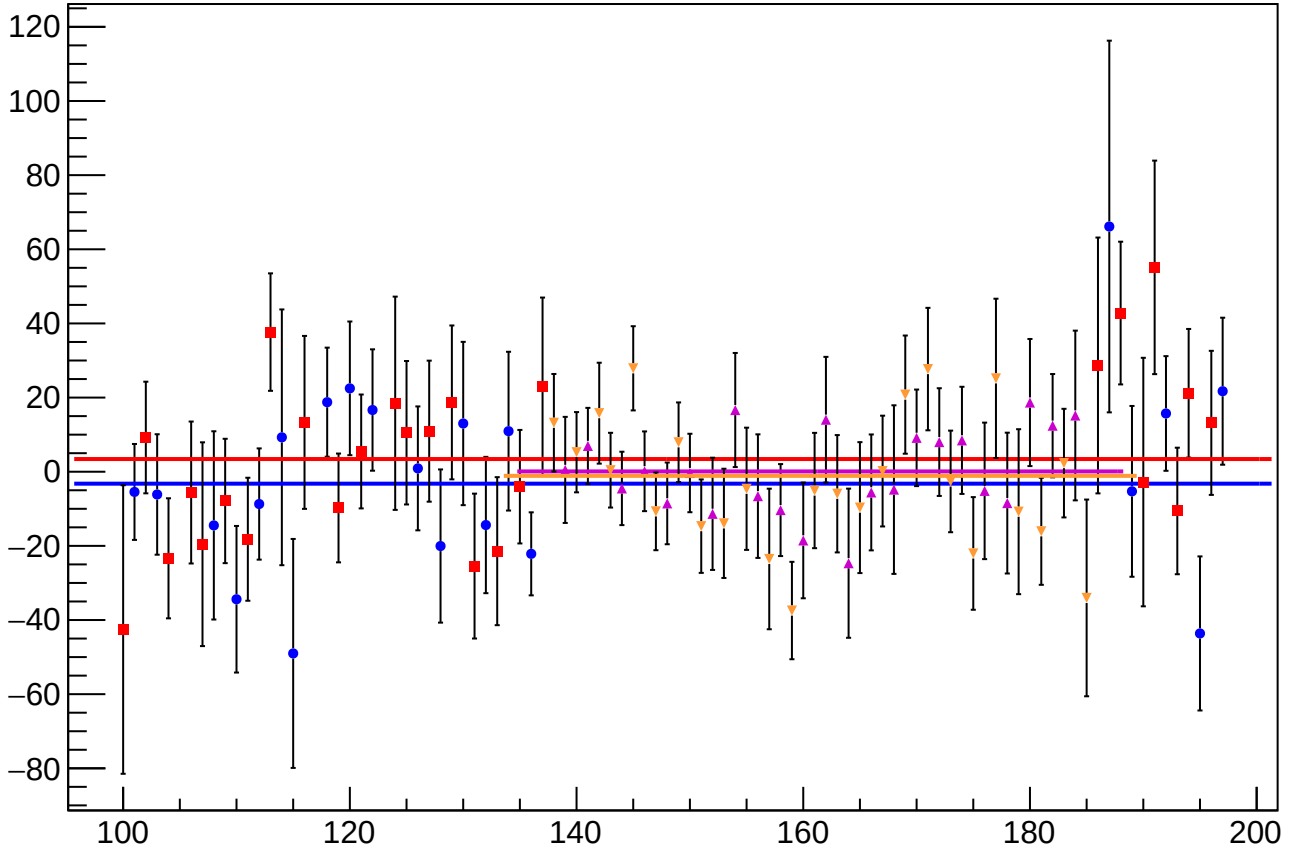
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5694.511+/-0.772 χ^2/NDF: 4028943.0/45

All: 5490.578+/-0.532 χ^2/NDF: 10261496.3/9

- sign 5306.397+/-0.734 χ^2/NDF: 6099901.5/48

diff_bpm11X_mean vs Slug



Right In: -3.221+/-3.951 χ^2/NDF: 24.7/20

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: 3.423+/-3.780 χ^2/NDF: 28.7/25

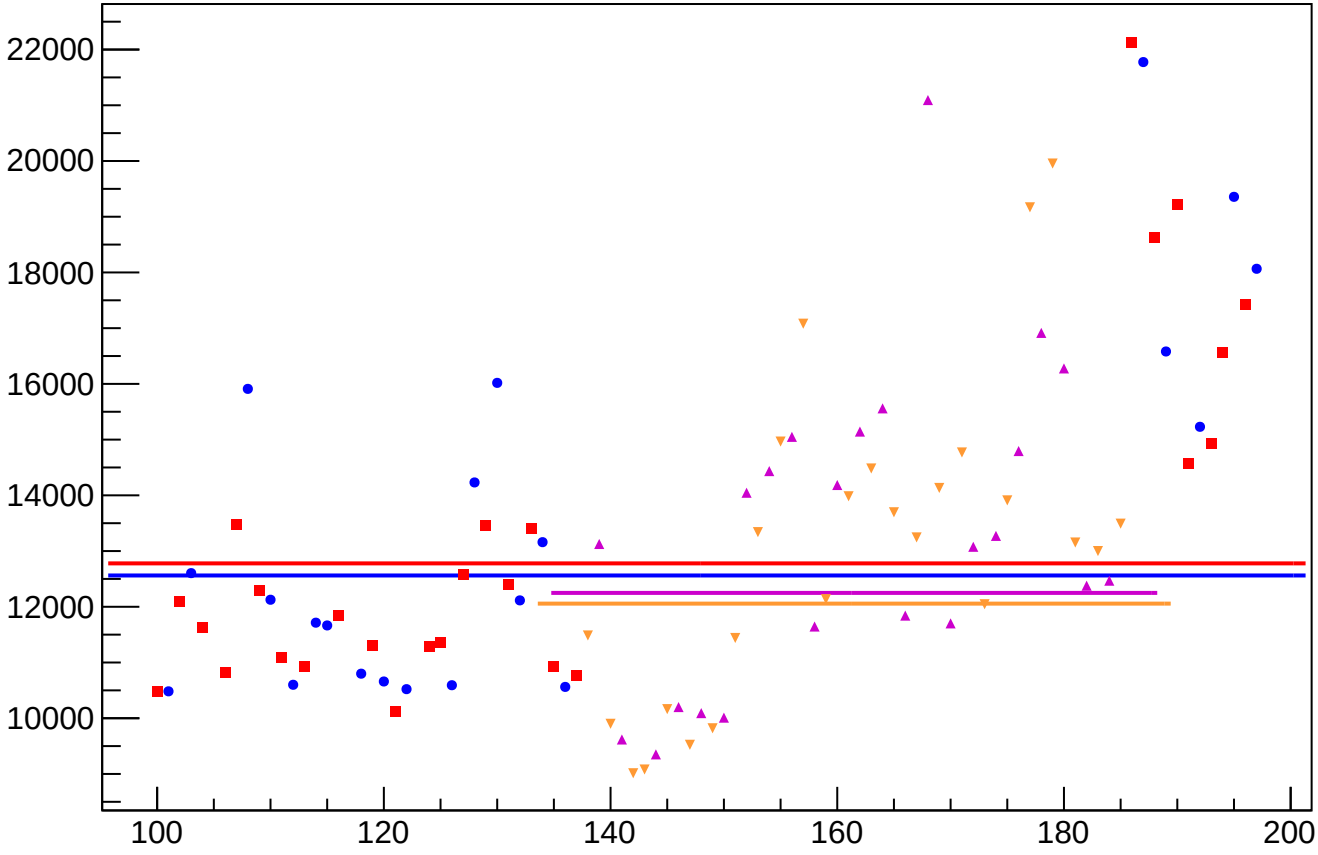
Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

+ sign -1.821+/-2.292 χ^2/NDF: 58.6/45

All: -0.258+/-1.628 χ^2/NDF: 100.2/94

- sign 1.336+/-2.314 χ^2/NDF: 40.7/48

diff_bpm11X_rms vs Slug



Right In: 12561.872+/-2.794 χ^2/NDF: 919217.3/20

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 12778.856+/-2.673 χ^2/NDF: 896553.4/25

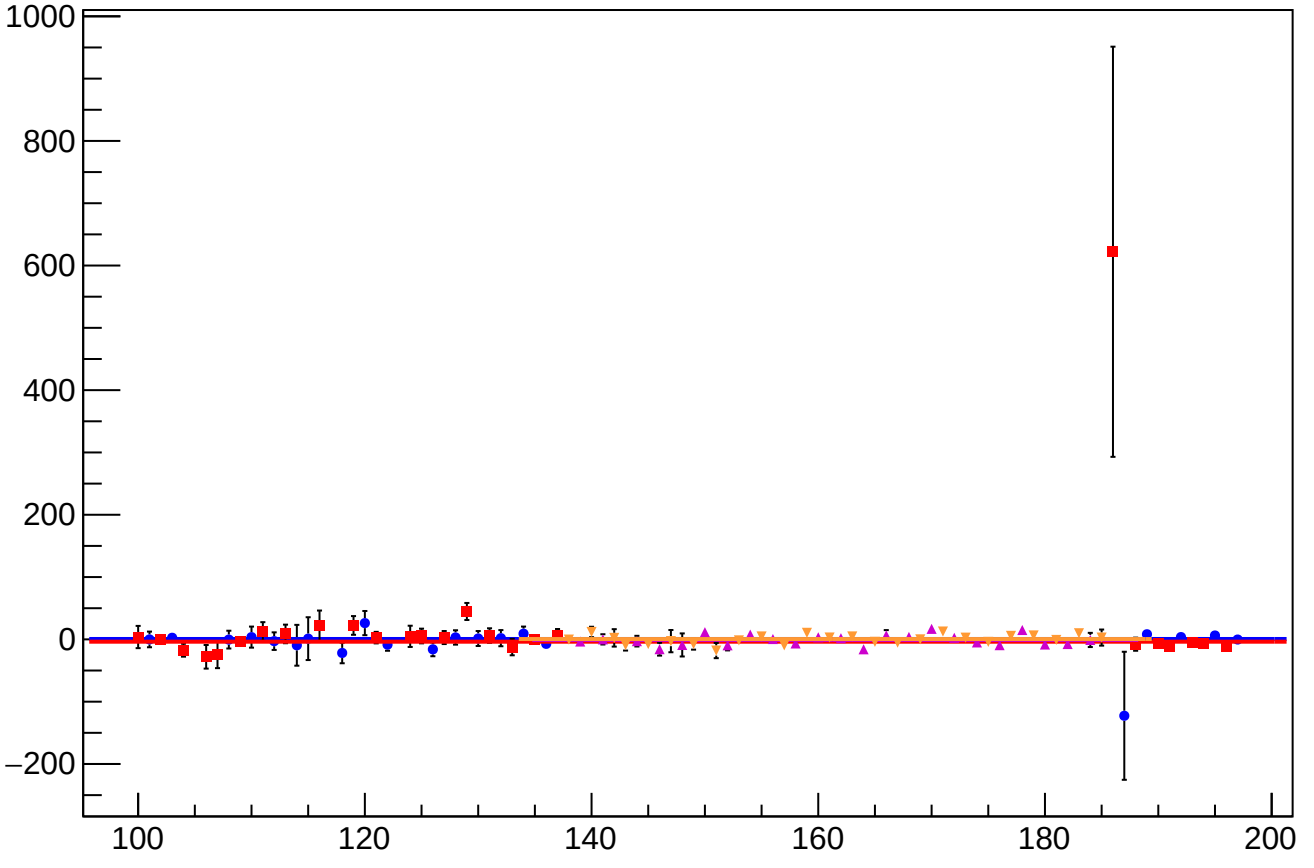
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

+ sign 12226.646+/-1.620 χ^2/NDF: 2502651.7/45

All: 12336.050+/-1.151 χ^2/NDF: 4849001.0/9

- sign 12447.605+/-1.636 χ^2/NDF: 2337142.6/48

diff_bpm11Y_mean vs Slug



Right In: 0.621+/-1.816 χ^2/NDF: 15.0/20

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -3.726+/-1.652 χ^2/NDF: 36.2/25

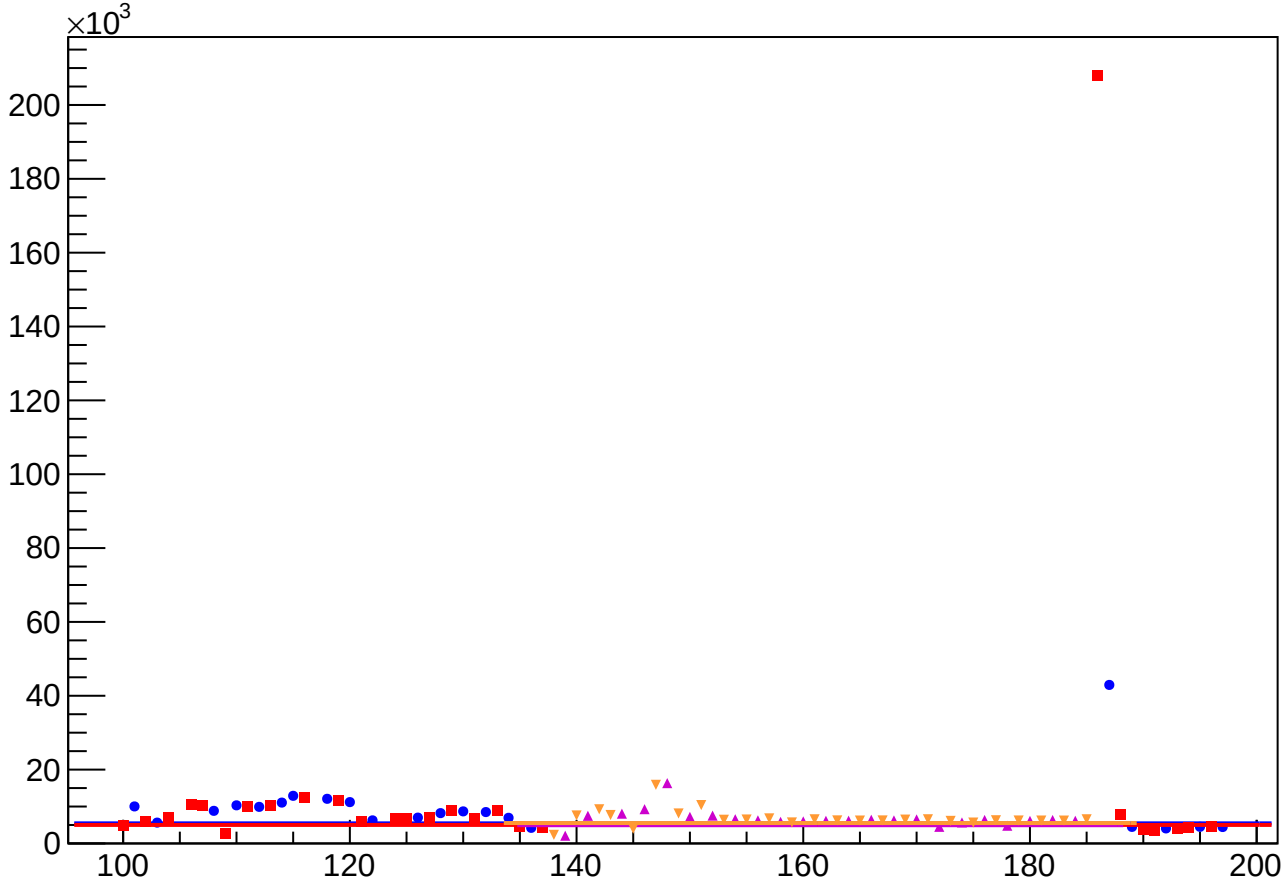
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.560+/-1.093 χ^2/NDF: 36.4/45

All: -0.812+/-0.745 χ^2/NDF: 109.5/94

- sign -2.004+/-1.019 χ^2/NDF: 70.1/48

diff_bpm11Y_rms vs Slug



Right In: 5442.479+/-1.284 χ^2/NDF: 2681712.8/20

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

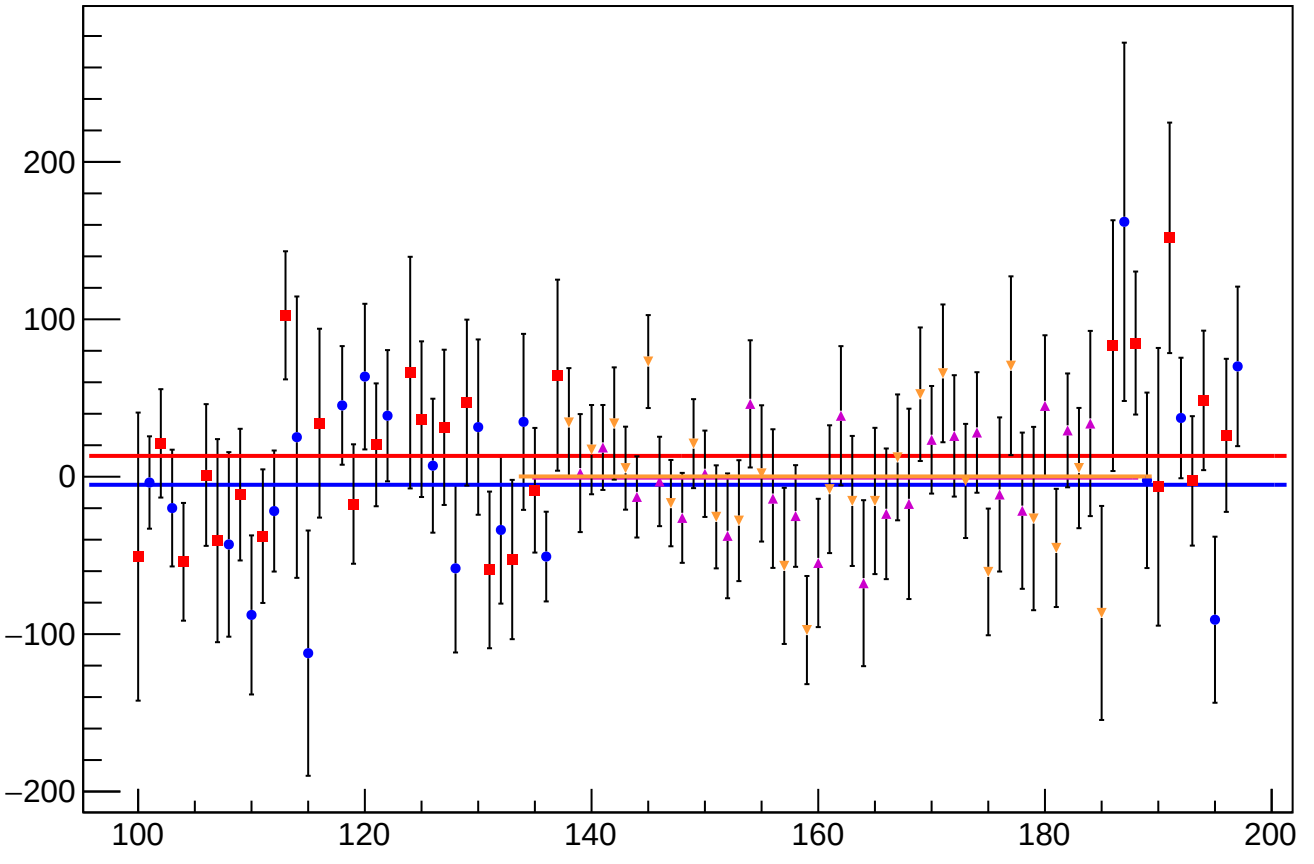
Right Out: 5019.337+/-1.168 χ^2/NDF: 3667873.3/25

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5497.008+/-0.773 χ^2/NDF: 7060260.7/45

All: 5215.731+/-0.527 χ^2/NDF: 16914400.5/9

- sign 4971.418+/-0.720 χ^2/NDF: 9606698.6/48



Right In: -5.125+/-9.831 χ^2/NDF: 23.7/20

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 13.225+/-9.399 χ^2/NDF: 25.8/25

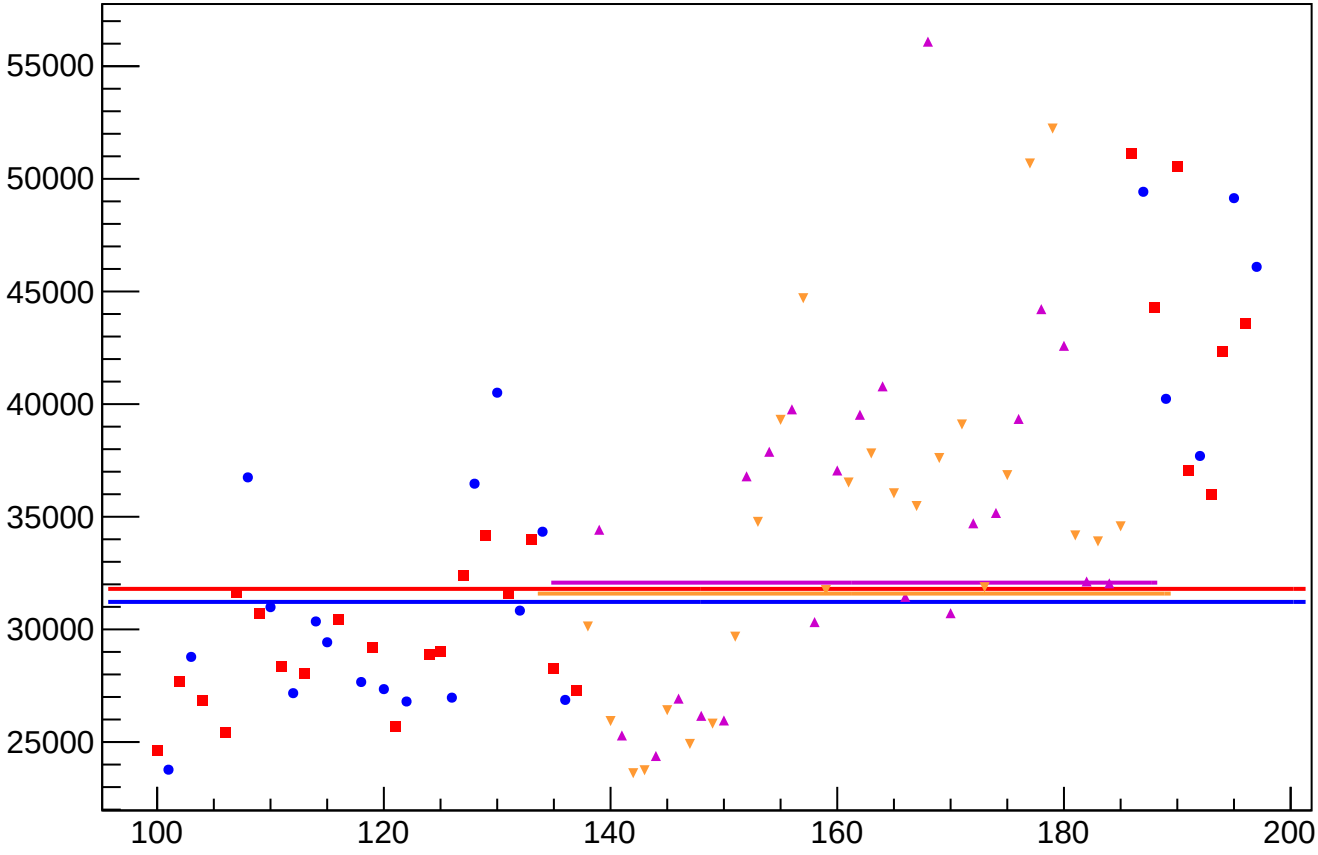
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -1.738+/-5.899 χ^2/NDF: 55.0/45

All: 1.574+/-4.186 χ^2/NDF: 95.6/94

- sign 4.932+/-5.941 χ^2/NDF: 39.9/48

diff_bpm12X_rms vs Slug



Right In: 31220.136+/-6.952 χ^2/NDF: 944676.9/20

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 31798.810+/-6.646 χ^2/NDF: 870936.4/25

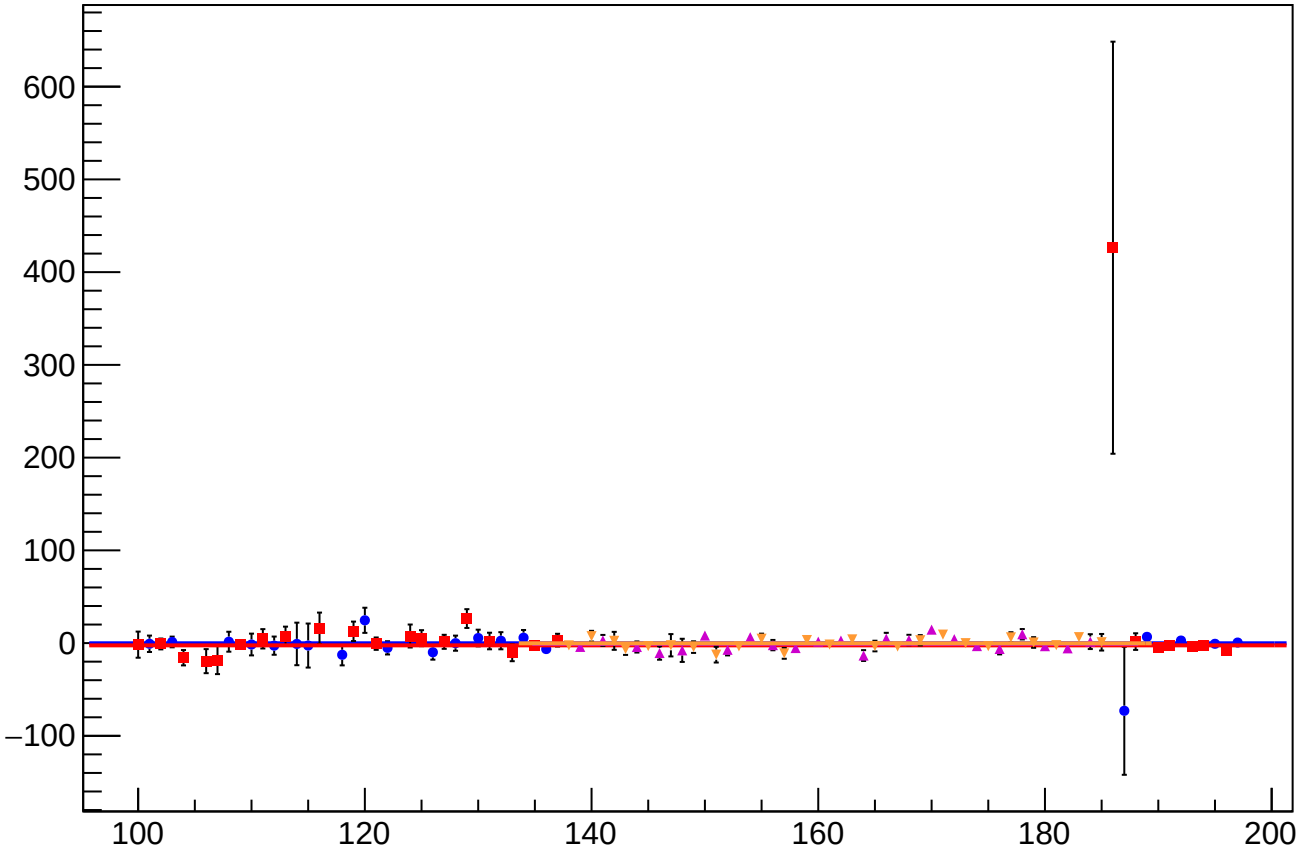
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31456.717+/-4.172 χ^2/NDF: 2537354.5/45

All: 31708.923+/-2.960 χ^2/NDF: 4872405.4/9

- sign 31964.694+/-4.201 χ^2/NDF: 2327688.7/48

diff_bpm12Y_mean vs Slug



Right In: -0.203+/-1.263 χ^2/NDF: 15.6/20

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -2.424+/-1.193 χ^2/NDF: 28.8/25

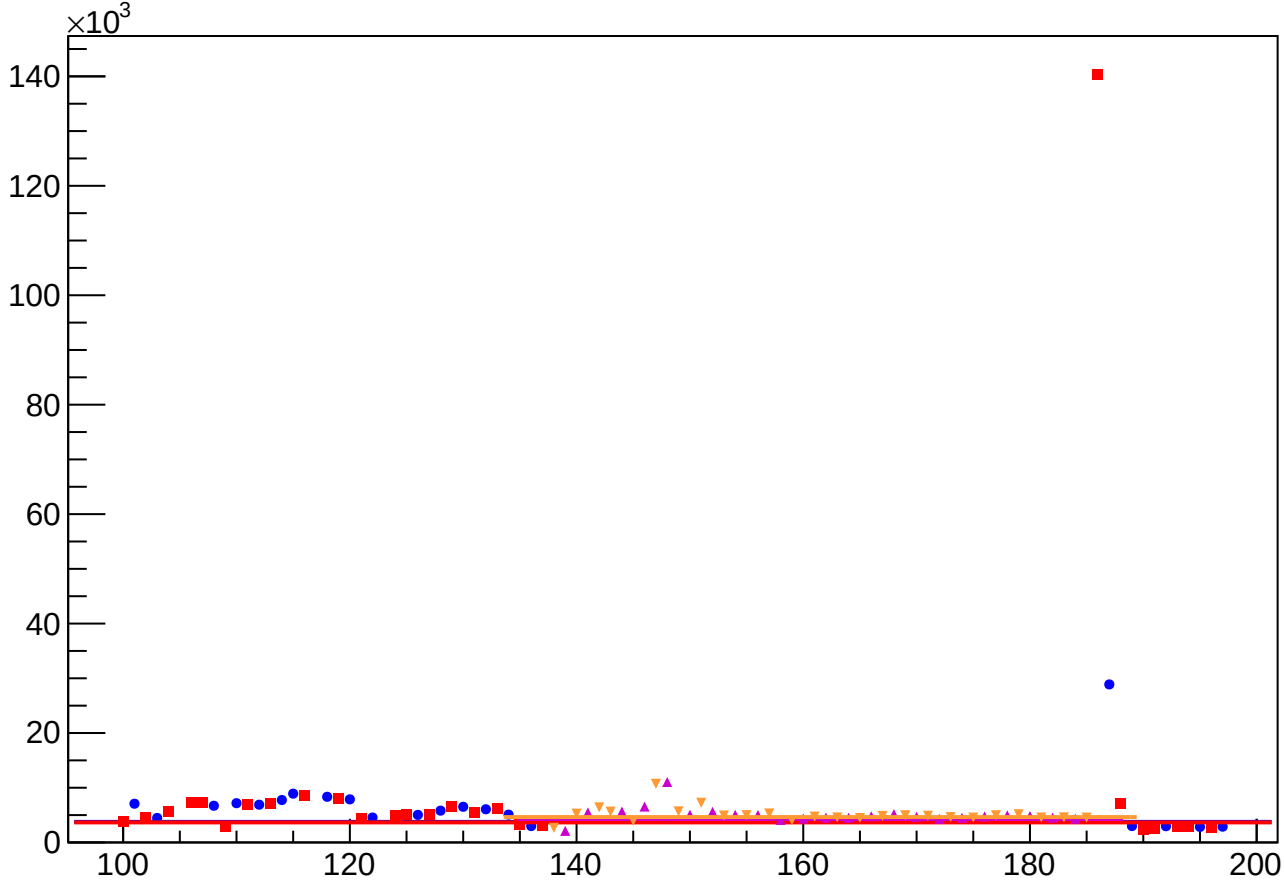
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.216+/-0.827 χ^2/NDF: 35.5/45

All: -0.891+/-0.572 χ^2/NDF: 100.4/94

- sign -1.511+/-0.793 χ^2/NDF: 63.6/48

diff_bpm12Y_rms vs Slug



Right In: 3758.302+/-0.893 χ^2/NDF: 2955583.1/20

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3663.913+/-0.843 χ^2/NDF: 3693336.1/25

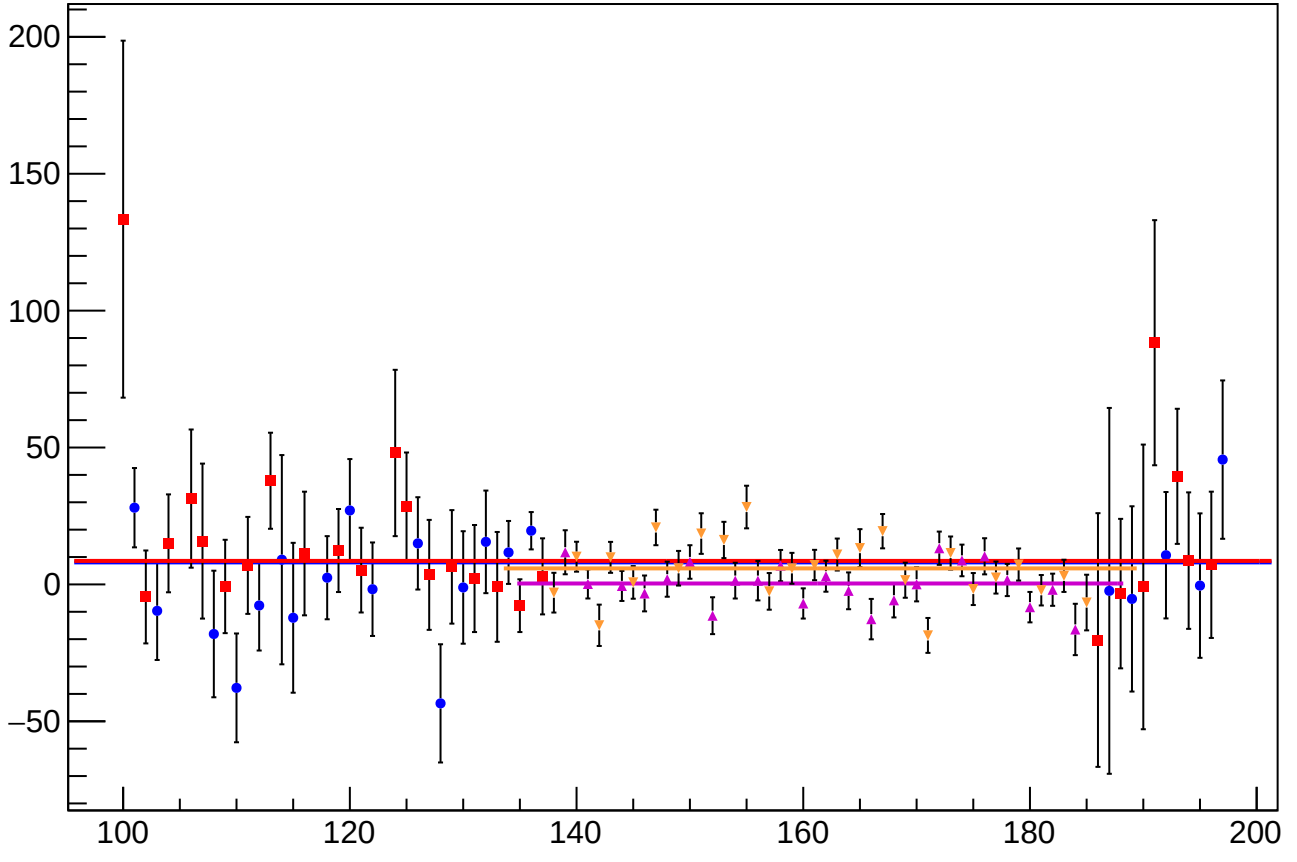
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4260.647+/-0.585 χ^2/NDF: 5272221.3/45

All: 4133.317+/-0.405 χ^2/NDF: 12464909.4/9

- sign 4016.352+/-0.560 χ^2/NDF: 7101710.2/48

diff_bpm16X_mean vs Slug



Right In: 8.043+/-3.673 χ^2/NDF: 23.6/20

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 8.586+/-3.868 χ^2/NDF: 20.0/25

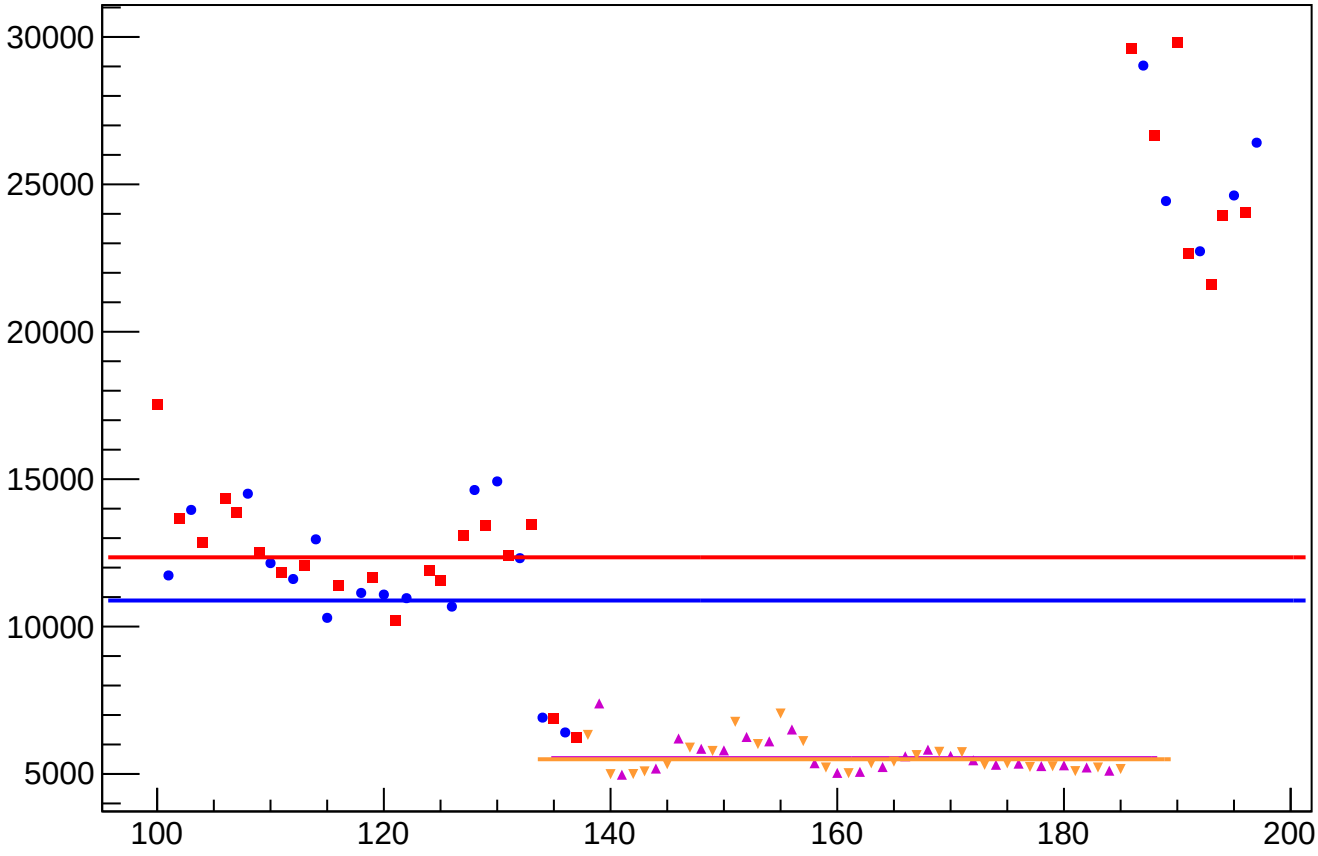
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.079+/-1.190 χ^2/NDF: 84.0/45

All: 3.715+/-0.856 χ^2/NDF: 145.6/94

- sign 1.175+/-1.233 χ^2/NDF: 53.4/48

diff_bpm16X_rms vs Slug



Right In: 10883.980+/-2.597 χ^2/NDF: 3498122.5/20

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 12348.976+/-2.735 χ^2/NDF: 3394193.7/25

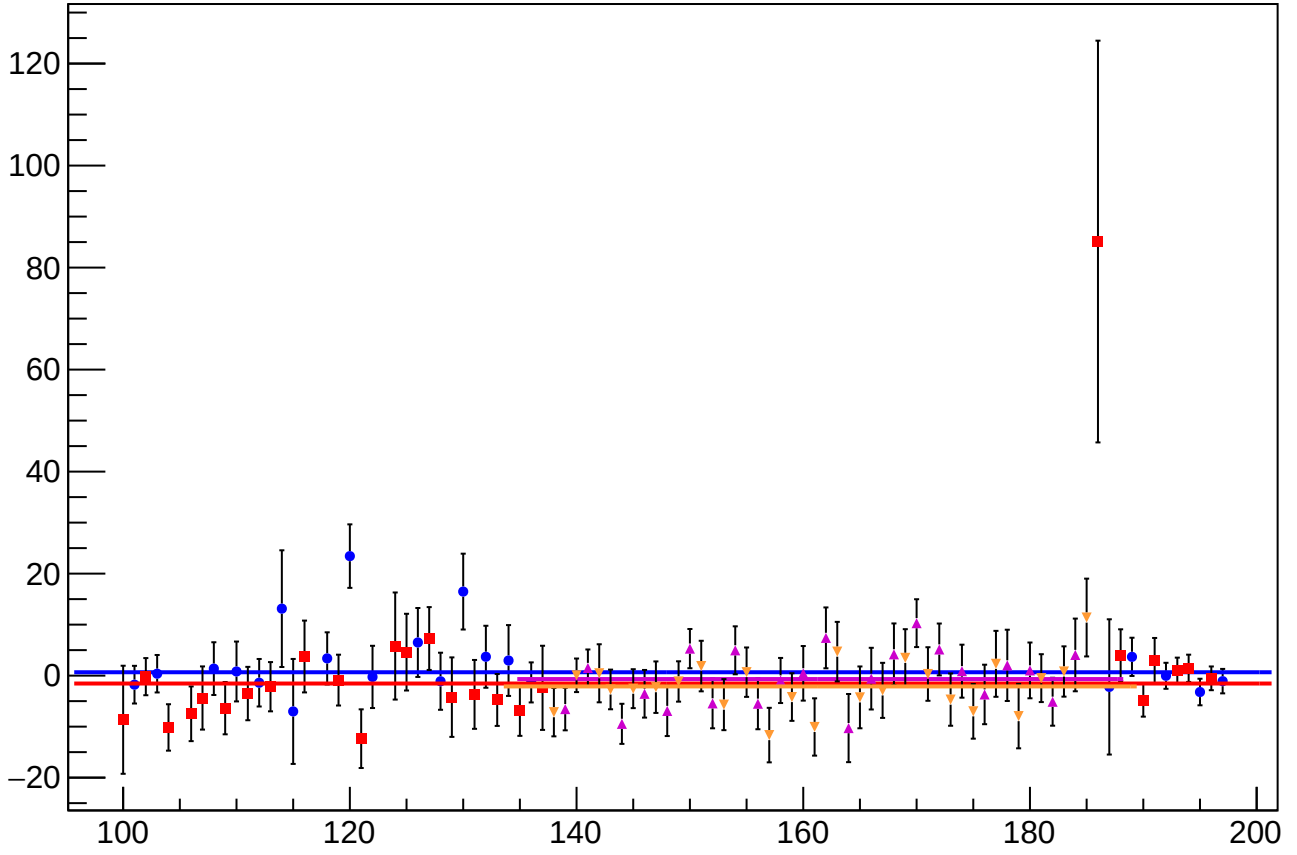
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6064.212+/-0.841 χ^2/NDF: 7644359.1/45

All: 6144.058+/-0.605 χ^2/NDF: 16932896.3/9

- sign 6229.824+/-0.872 χ^2/NDF: 9269849.3/48

diff_bpm16Y_mean vs Slug



Right In: 0.663+/-0.951 χ^2/NDF: 25.6/20

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -1.548+/-0.896 χ^2/NDF: 26.2/25

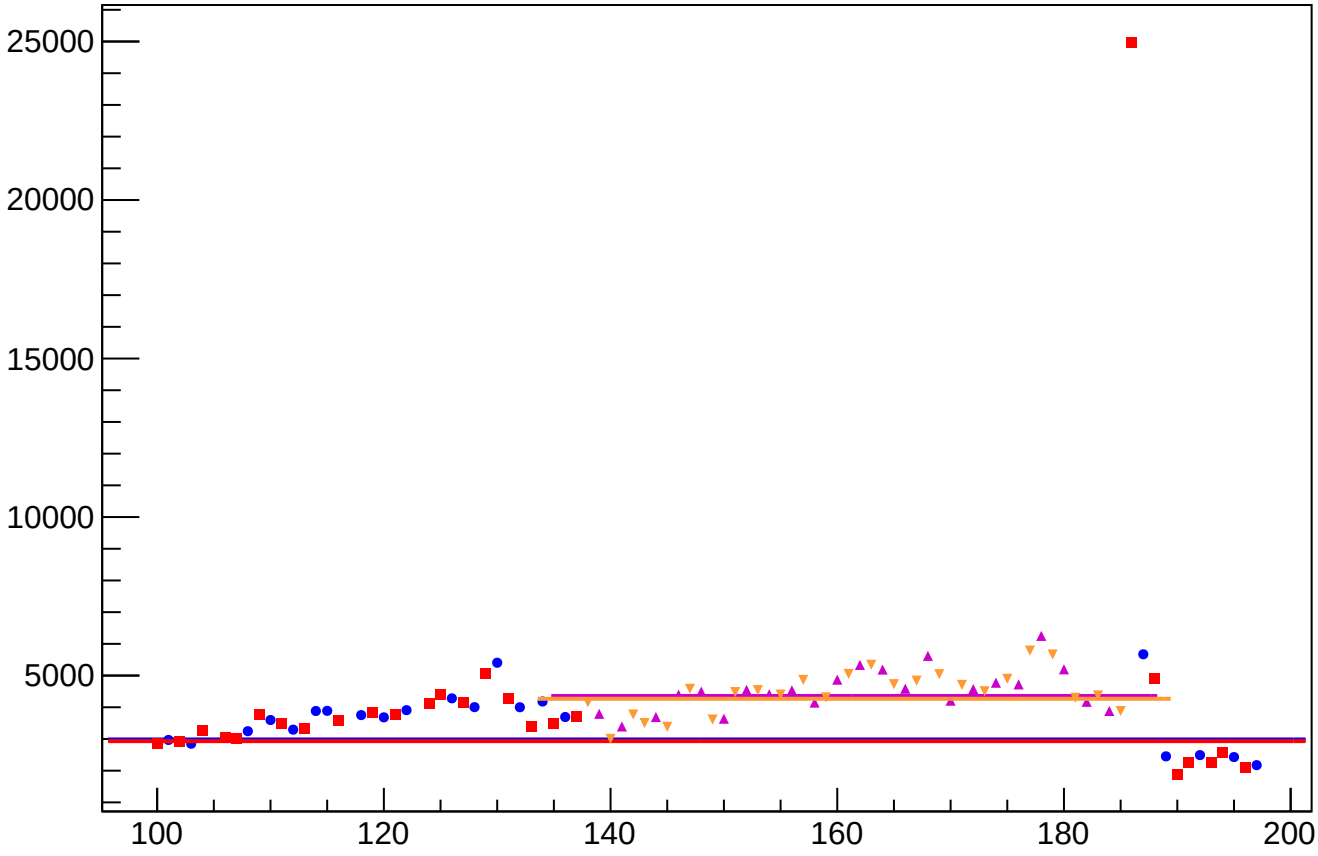
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.675+/-0.685 χ^2/NDF: 47.2/45

All: -0.926+/-0.481 χ^2/NDF: 102.4/94

- sign -1.170+/-0.676 χ^2/NDF: 55.0/48

diff_bpm16Y_rms vs Slug



Right In: 2984.378+/-0.673 χ^2/NDF: 1231897.8/20

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2931.971+/-0.633 χ^2/NDF: 2332407.4/25

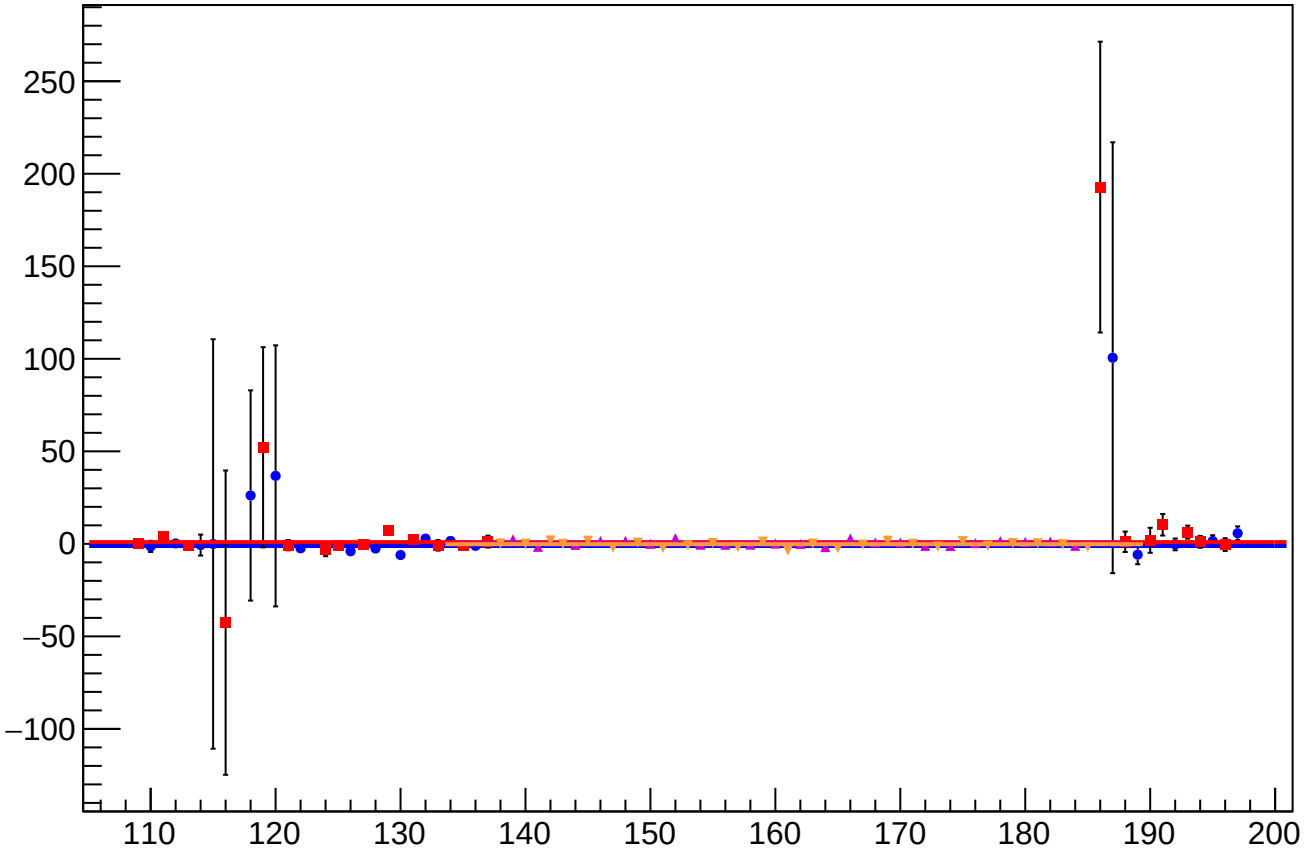
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3602.241+/-0.484 χ^2/NDF: 4018618.8/45

All: 3572.926+/-0.340 χ^2/NDF: 9275876.6/94

- sign 3544.377+/-0.478 χ^2/NDF: 5250029.1/48

diff_bpm1p02bX_mean vs Slug



Right In: -1.165+/-0.678 χ^2/NDF: 17.1/17

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.936+/-0.660 χ^2/NDF: 24.0/20

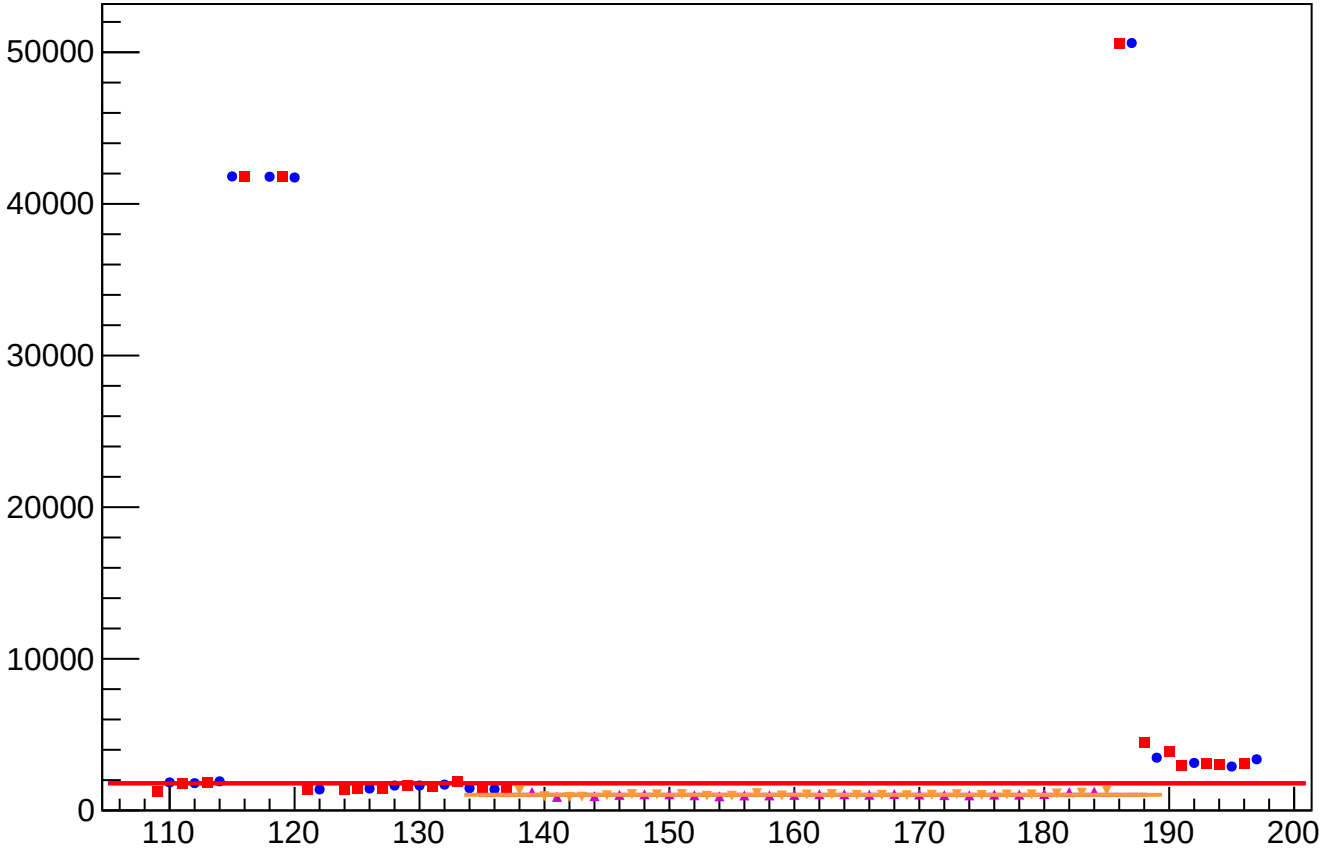
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.305+/-0.222 χ^2/NDF: 52.9/42

All: 0.042+/-0.159 χ^2/NDF: 112.1/86

- sign 0.405+/-0.227 χ^2/NDF: 54.2/43

diff_bpm1p02bX_rms vs Slug



Right In: 1792.699+/-0.480 χ^2/NDF: 3739836.2/17

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1788.032+/-0.467 χ^2/NDF: 4388029.0/20

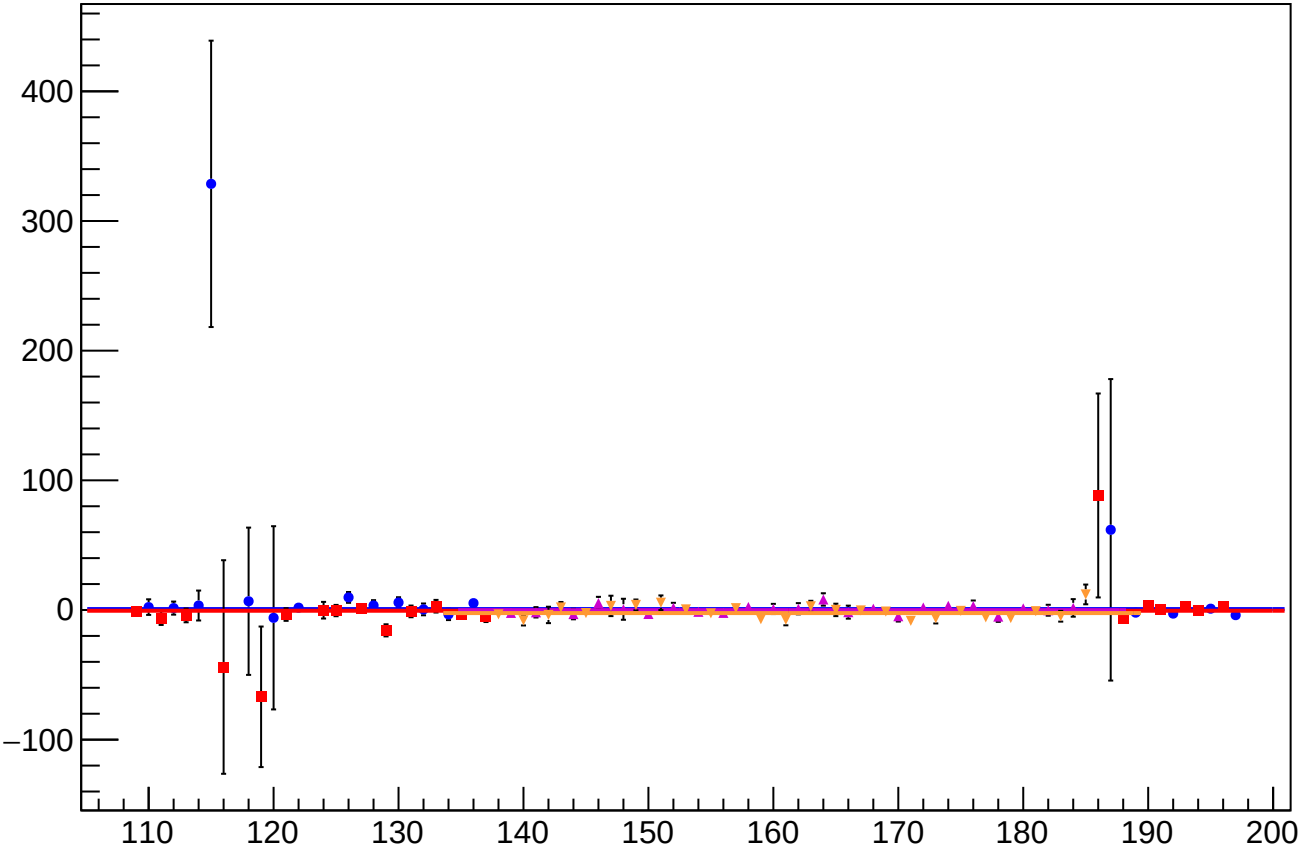
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1113.330+/-0.157 χ^2/NDF: 6230995.5/42

All: 1117.689+/-0.112 χ^2/NDF: 13113977.8/8

- sign 1122.241+/-0.161 χ^2/NDF: 6881413.0/43

diff_bpm1p02bY_mean vs Slug



Right In: 0.702+/-0.846 χ^2/NDF: 29.6/17

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -0.576+/-0.803 χ^2/NDF: 26.8/20

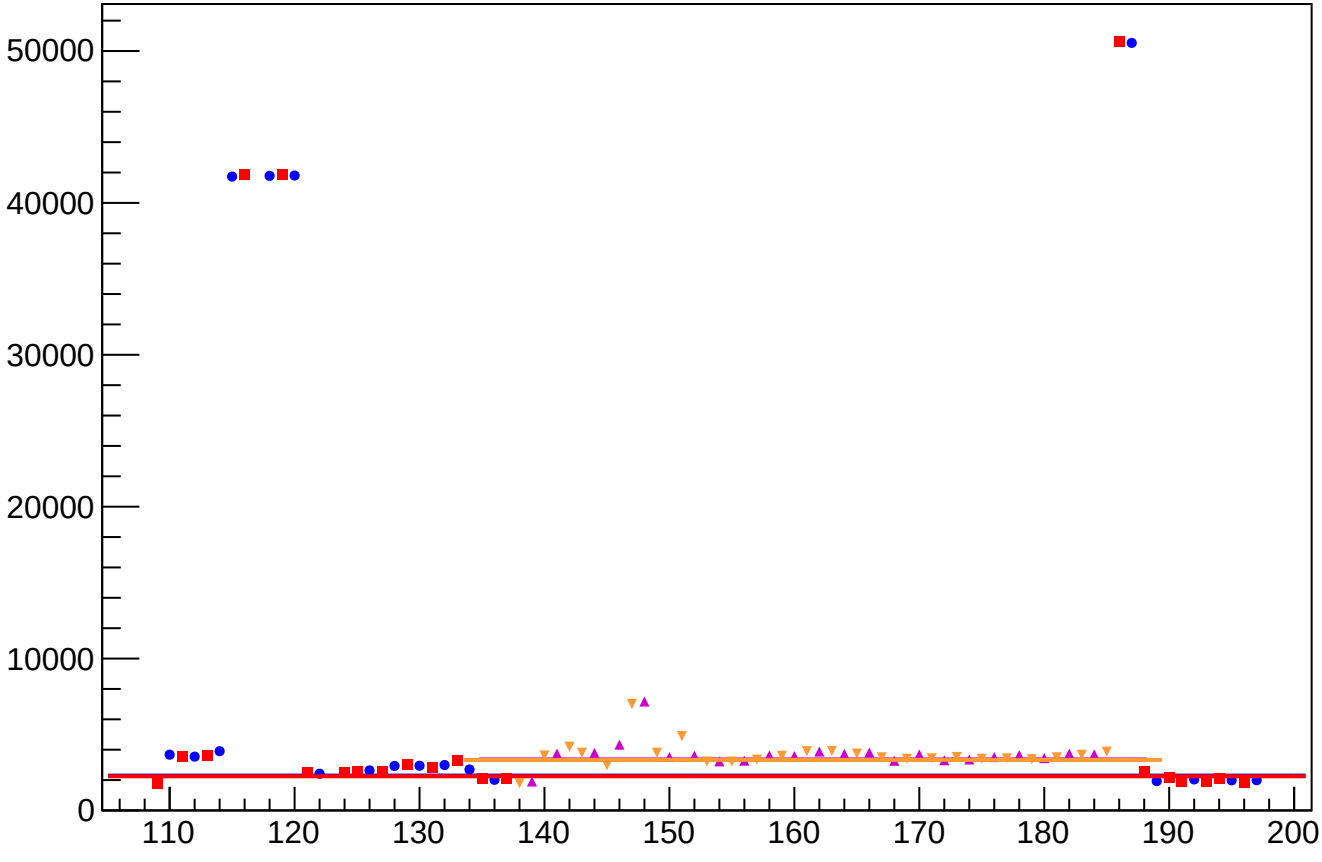
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.959+/-0.574 χ^2/NDF: 61.0/42

All: -0.665+/-0.405 χ^2/NDF: 101.1/86

- sign -0.375+/-0.570 χ^2/NDF: 39.6/43

diff_bpm1p02bY_rms vs Slug



Right In: 2294.942+/-0.598 χ^2/NDF: 2806223.3/17

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2249.564+/-0.567 χ^2/NDF: 2977620.3/20

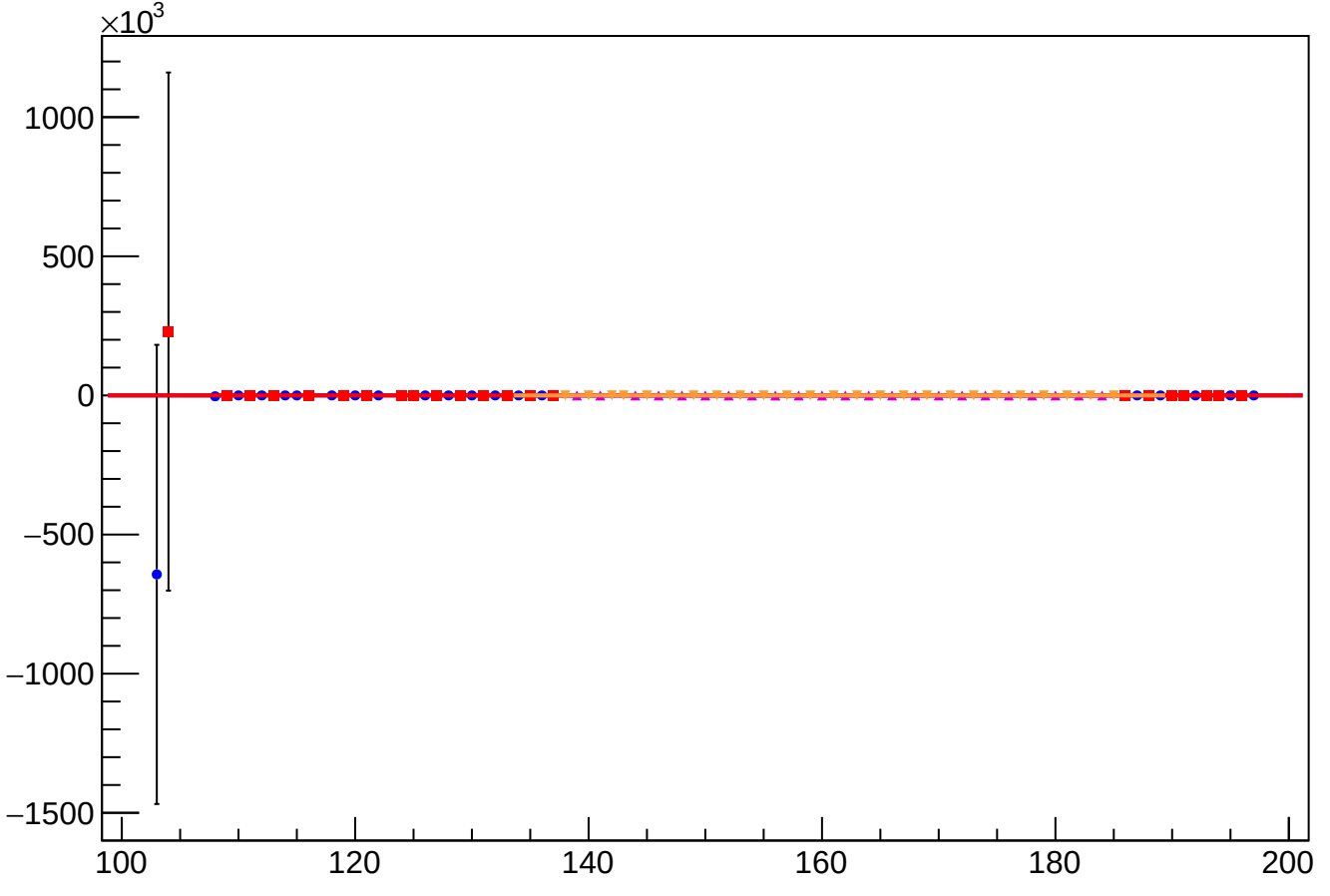
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2851.920+/-0.406 χ^2/NDF: 6331156.5/42

All: 2825.914+/-0.286 χ^2/NDF: 12866798.6/8

- sign 2800.291+/-0.403 χ^2/NDF: 6527497.5/43

diff_bpm1p03aX_mean vs Slug



Right In: -1.254+/-0.817 χ^2/NDF: 21.2/19

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -2.241+/-0.800 χ^2/NDF: 22.4/21

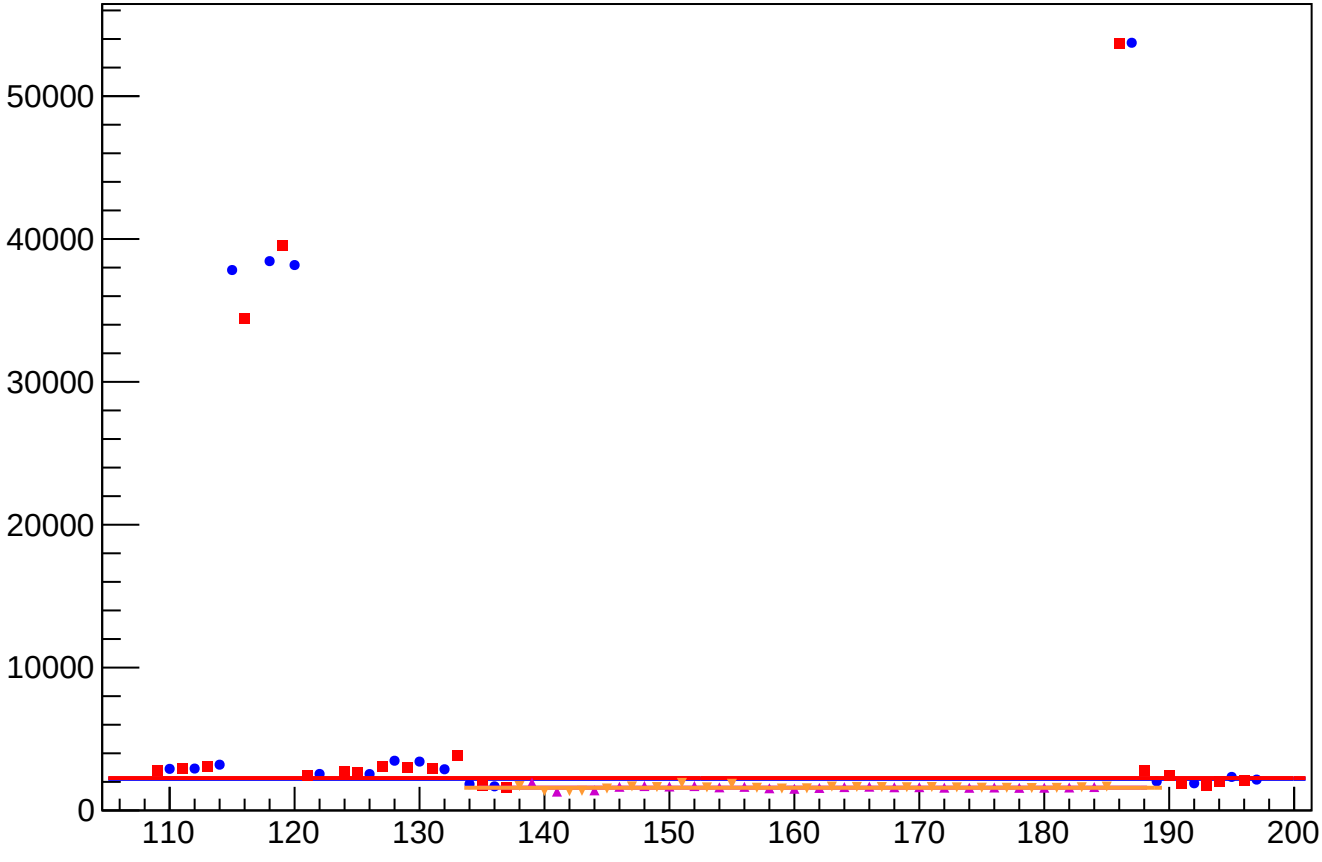
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.520+/-0.332 χ^2/NDF: 71.6/44

All: -0.967+/-0.237 χ^2/NDF: 133.6/89

- sign -0.388+/-0.339 χ^2/NDF: 56.3/44

diff_bpm1p03aX_rms vs Slug



Right In: 2210.929+/-0.578 χ^2/NDF: 2892703.7/17

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2268.811+/-0.566 χ^2/NDF: 3149724.9/20

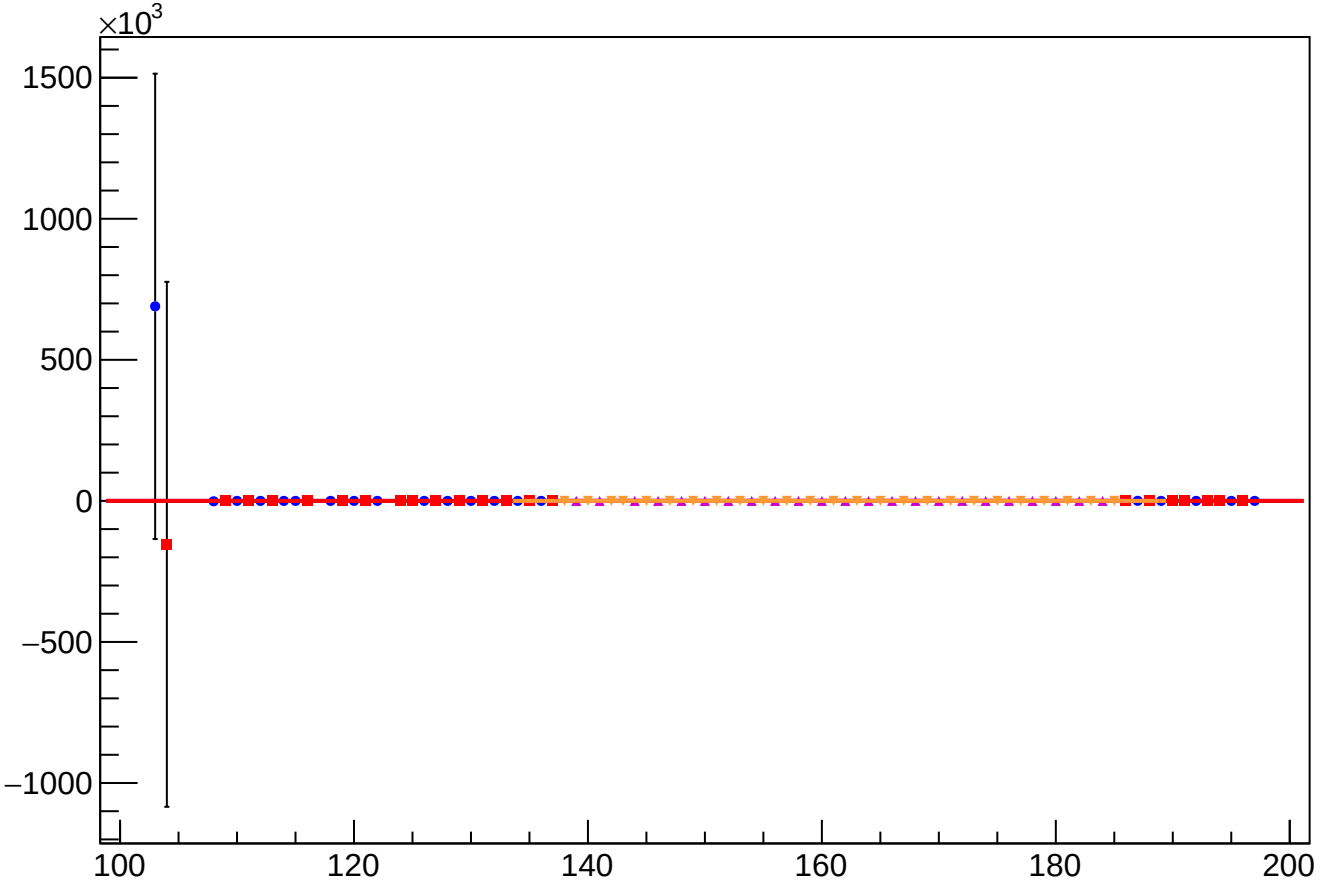
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1691.925+/-0.235 χ^2/NDF: 4091947.0/42

All: 1704.209+/-0.168 χ^2/NDF: 8603856.6/86

- sign 1717.053+/-0.240 χ^2/NDF: 4506297.0/43

diff_bpm1p03aY_mean vs Slug



Right In: 0.337+/-0.699 χ^2/NDF: 13.3/19

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.105+/-0.667 χ^2/NDF: 26.0/21

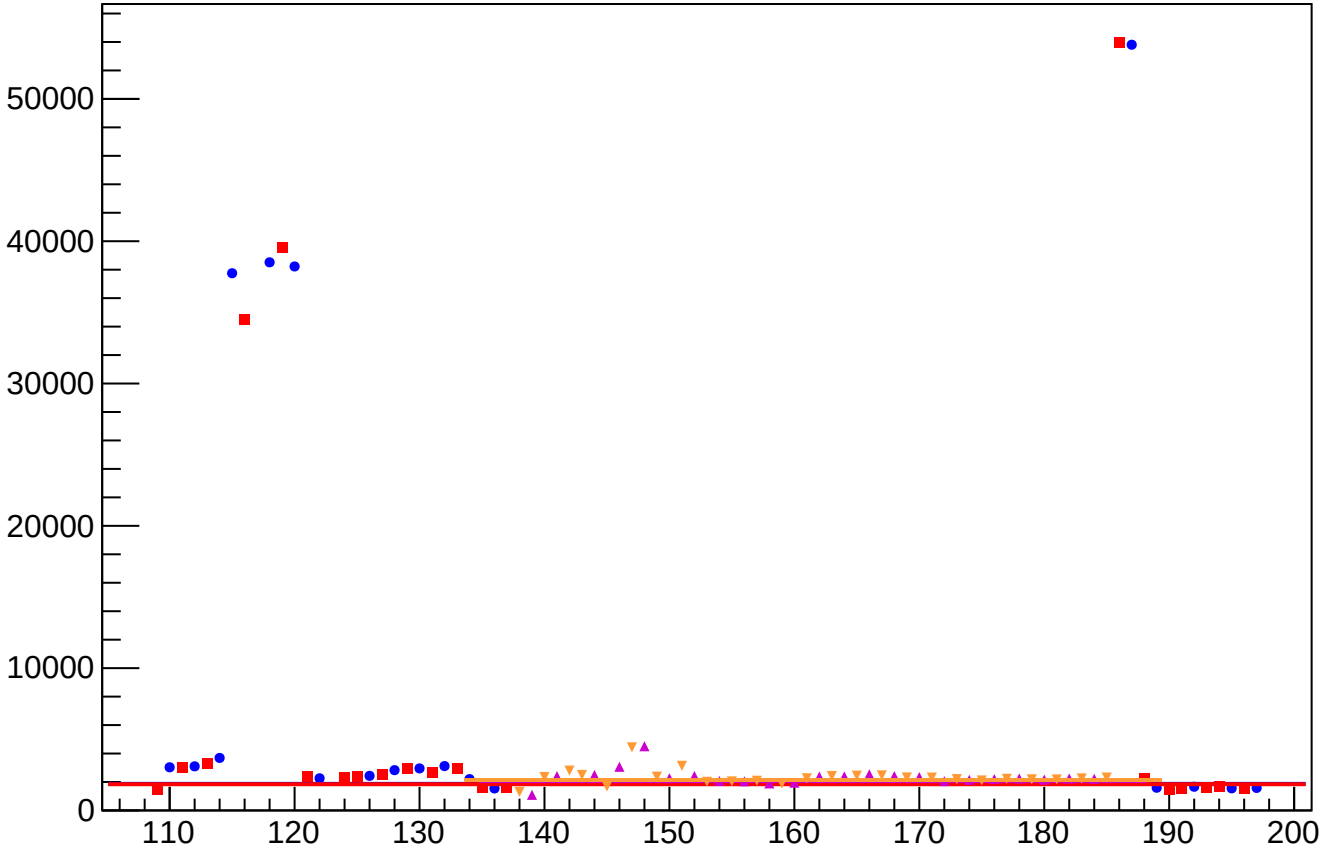
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.663+/-0.408 χ^2/NDF: 40.8/44

All: -0.304+/-0.286 χ^2/NDF: 85.3/89

- sign 0.042+/-0.401 χ^2/NDF: 43.0/44

diff_bpm1p03aY_rms vs Slug



Right In: 1866.648+/-0.494 χ^2/NDF: 3270075.6/17

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1843.748+/-0.471 χ^2/NDF: 3405733.8/20

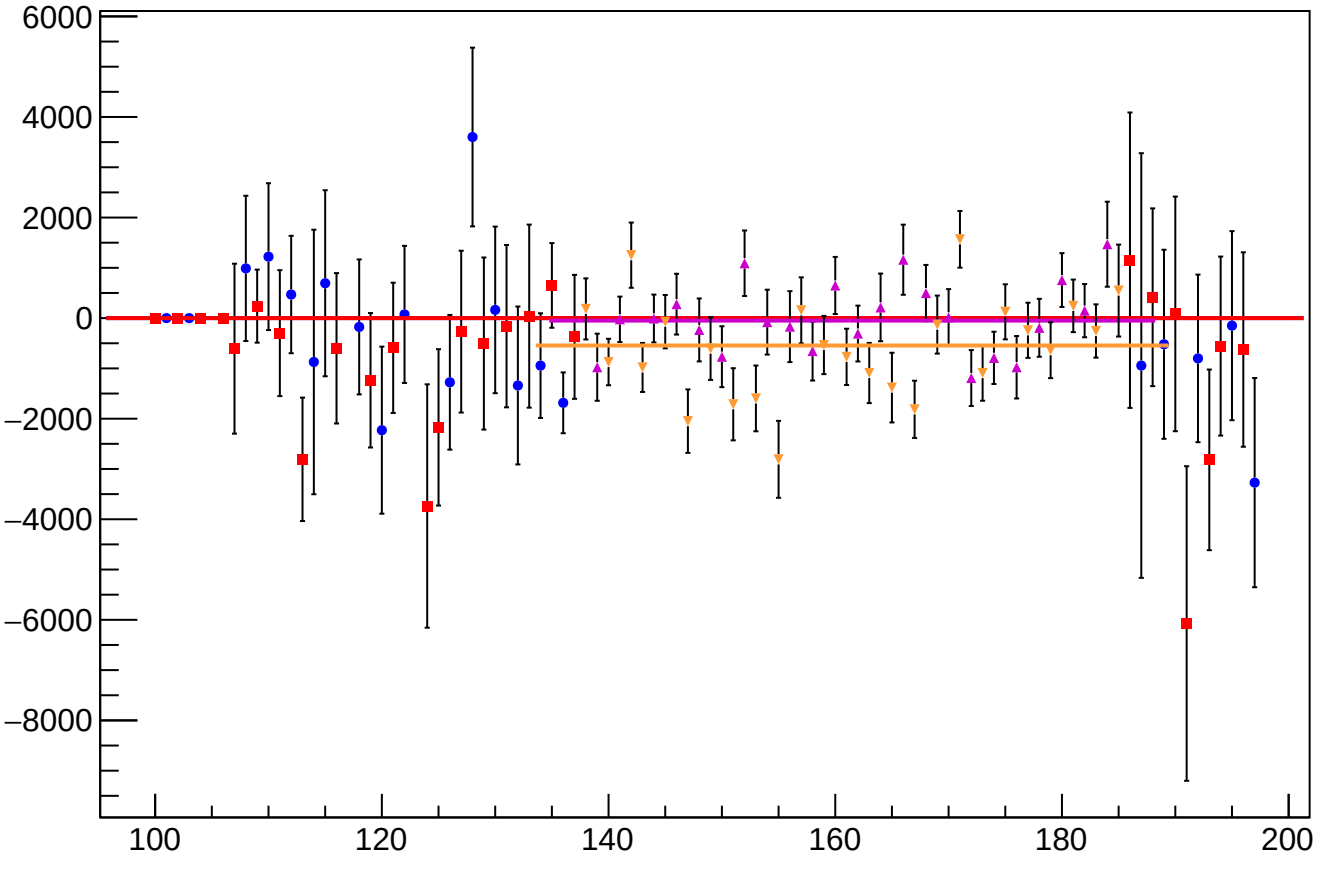
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2046.370+/-0.288 χ^2/NDF: 4950640.2/42

All: 2012.981+/-0.202 χ^2/NDF: 10808491.0/8

- sign 1980.779+/-0.283 χ^2/NDF: 5831536.7/43

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 20.6/20

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

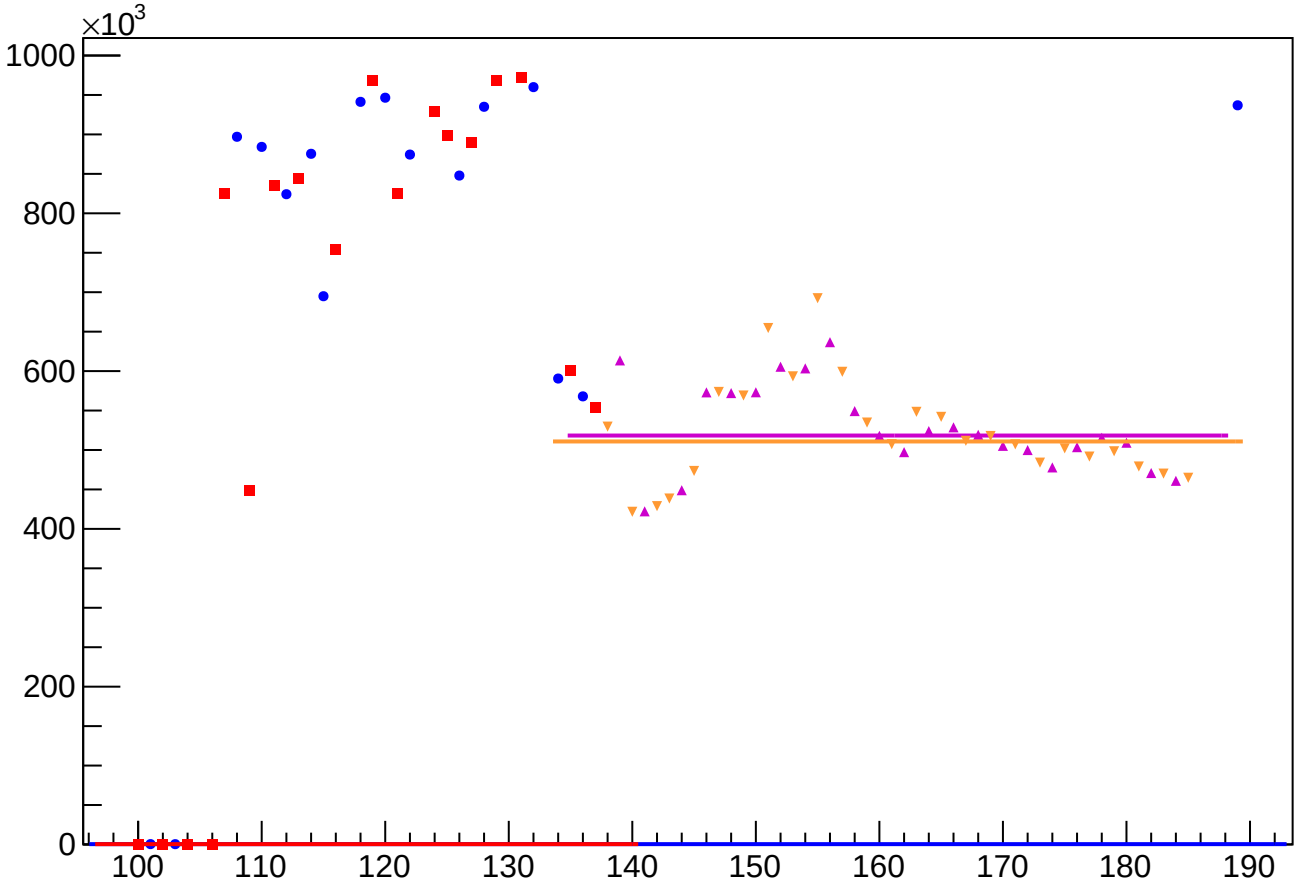
Right Out: 0.096+/-0.328 χ^2/NDF: 22.1/25

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 103.1/45

All: 0.166+/-0.241 χ^2/NDF: 153.3/94

- sign 0.095+/-0.328 χ^2/NDF: 50.2/48



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

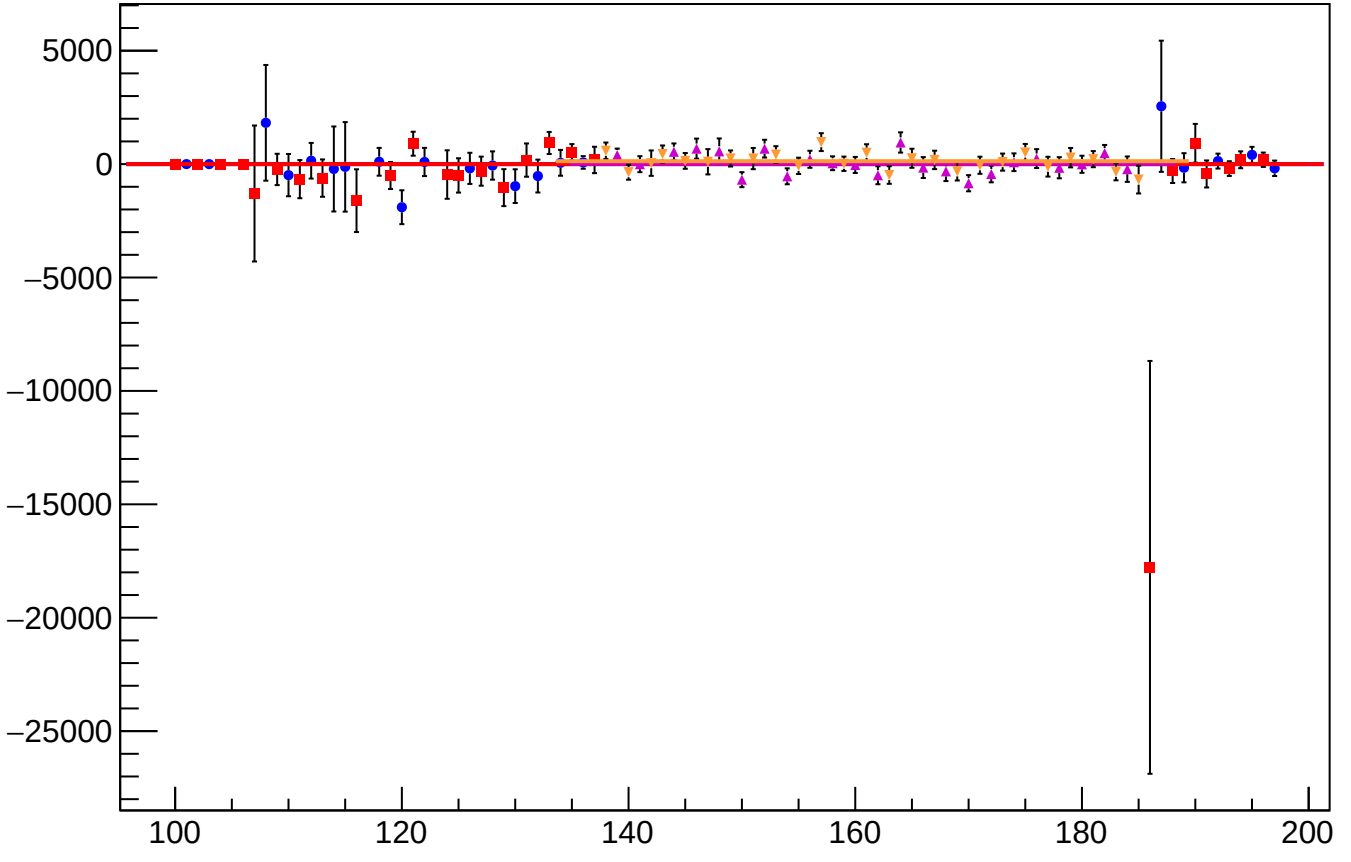
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ 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: -0.020+/-0.347 χ^2/NDF: 13.1/20

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

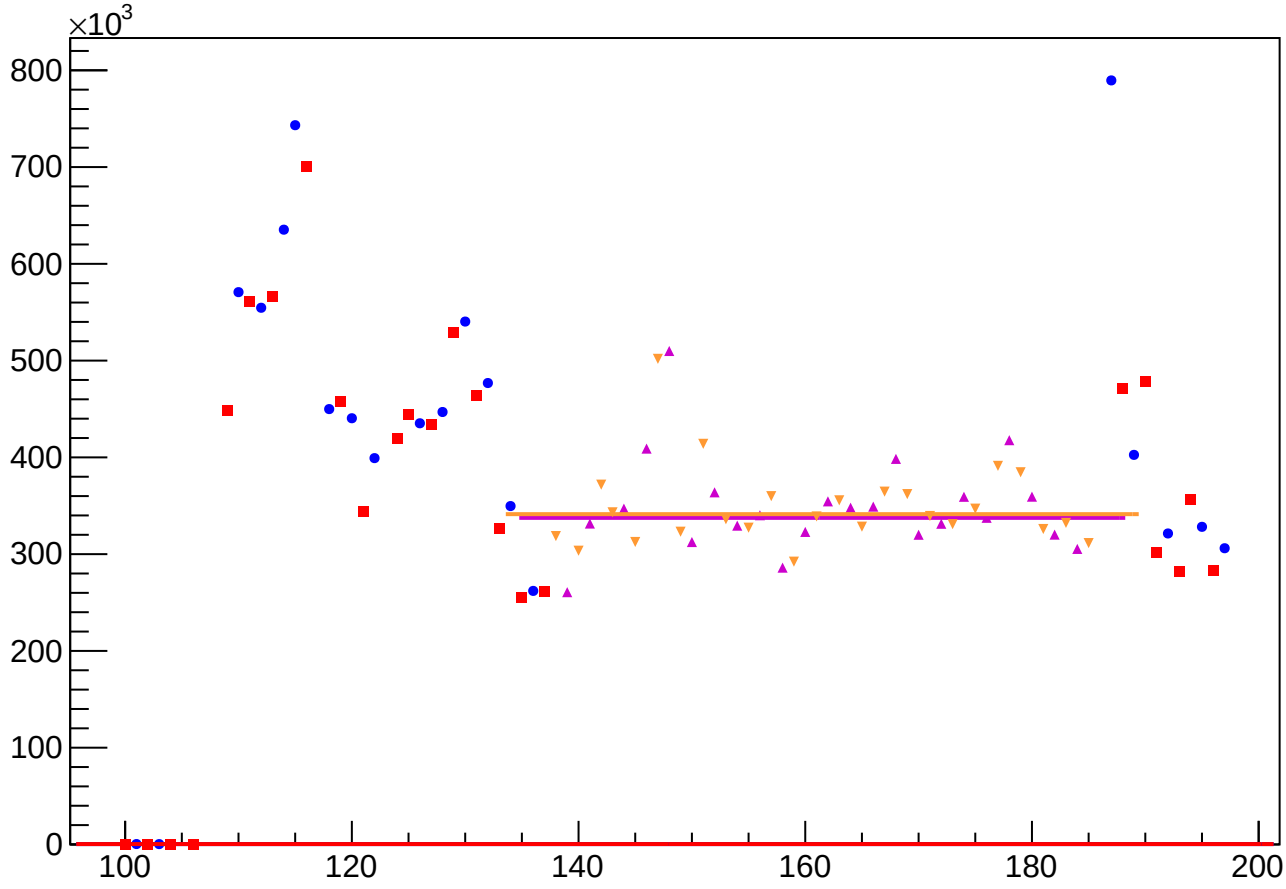
Right Out: 0.599+/-0.324 χ^2/NDF: 21.8/25

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.018+/-0.347 χ^2/NDF: 35.9/45

All: 0.312+/-0.237 χ^2/NDF: 93.2/94

- sign 0.599+/-0.324 χ^2/NDF: 55.6/48



Right In: 391.384+/-0.245 χ^2/NDF: 17168001.9/19

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 389.163+/-0.229 χ^2/NDF: 18701083.5/23

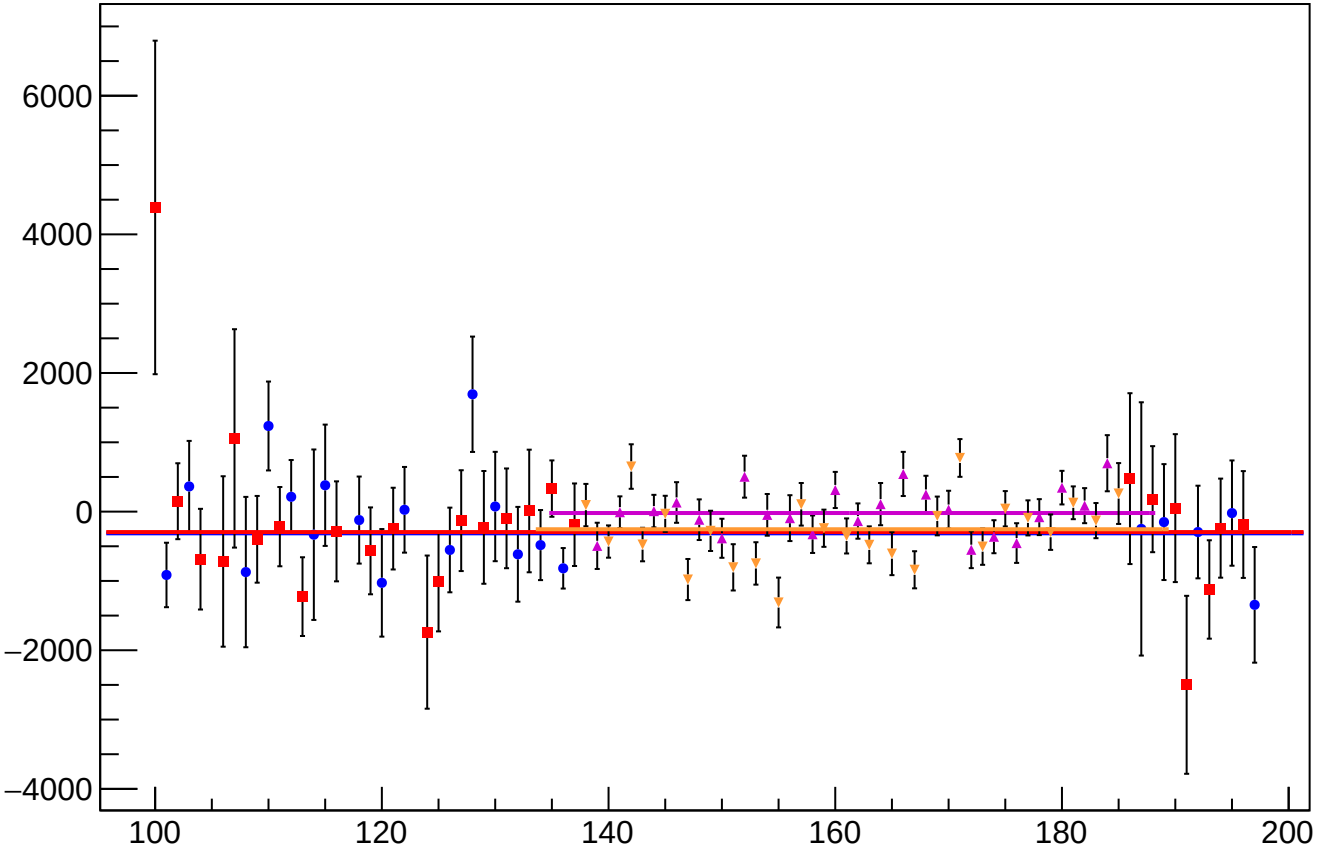
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 398.093+/-0.245 χ^2/NDF: 55538665.5/44

All: 396.288+/-0.167 χ^2/NDF: 110558794.4/9

- sign 394.717+/-0.229 χ^2/NDF: 55020027.7/46

diff_cav4cX_mean vs Slug



Right In: -313.098+/-137.119 χ^2/NDF: 22.9/20

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: -294.982+/-141.047 χ^2/NDF: 19.1/25

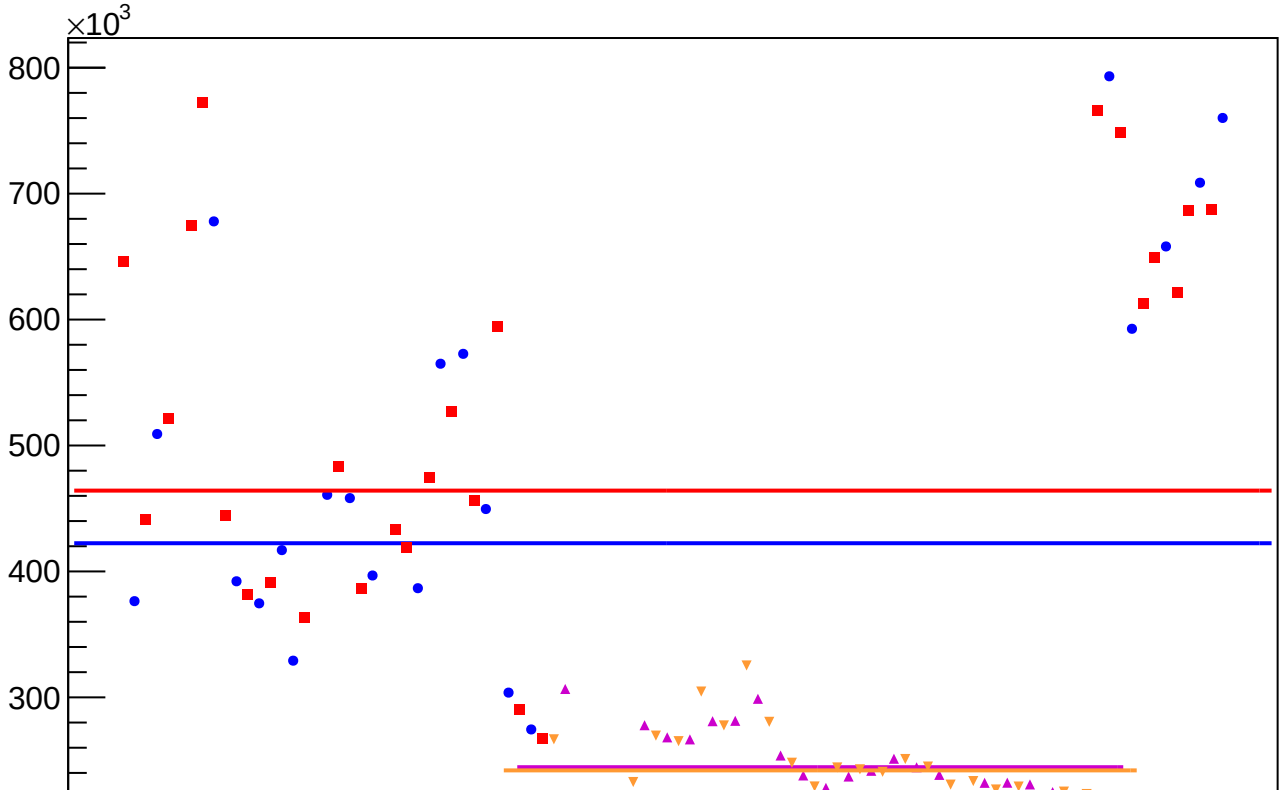
Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -262.617+/-51.380 χ^2/NDF: 84.3/45

All: -164.567+/-36.969 χ^2/NDF: 142.9/94

- sign -59.319+/-53.233 χ^2/NDF: 51.0/48

diff_cav4cX_rms vs Slug



Right In: 422393.790+/-96.981 χ^2/NDF: 2011036.4/20

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 464176.733+/-99.830 χ^2/NDF: 1886731.4/25

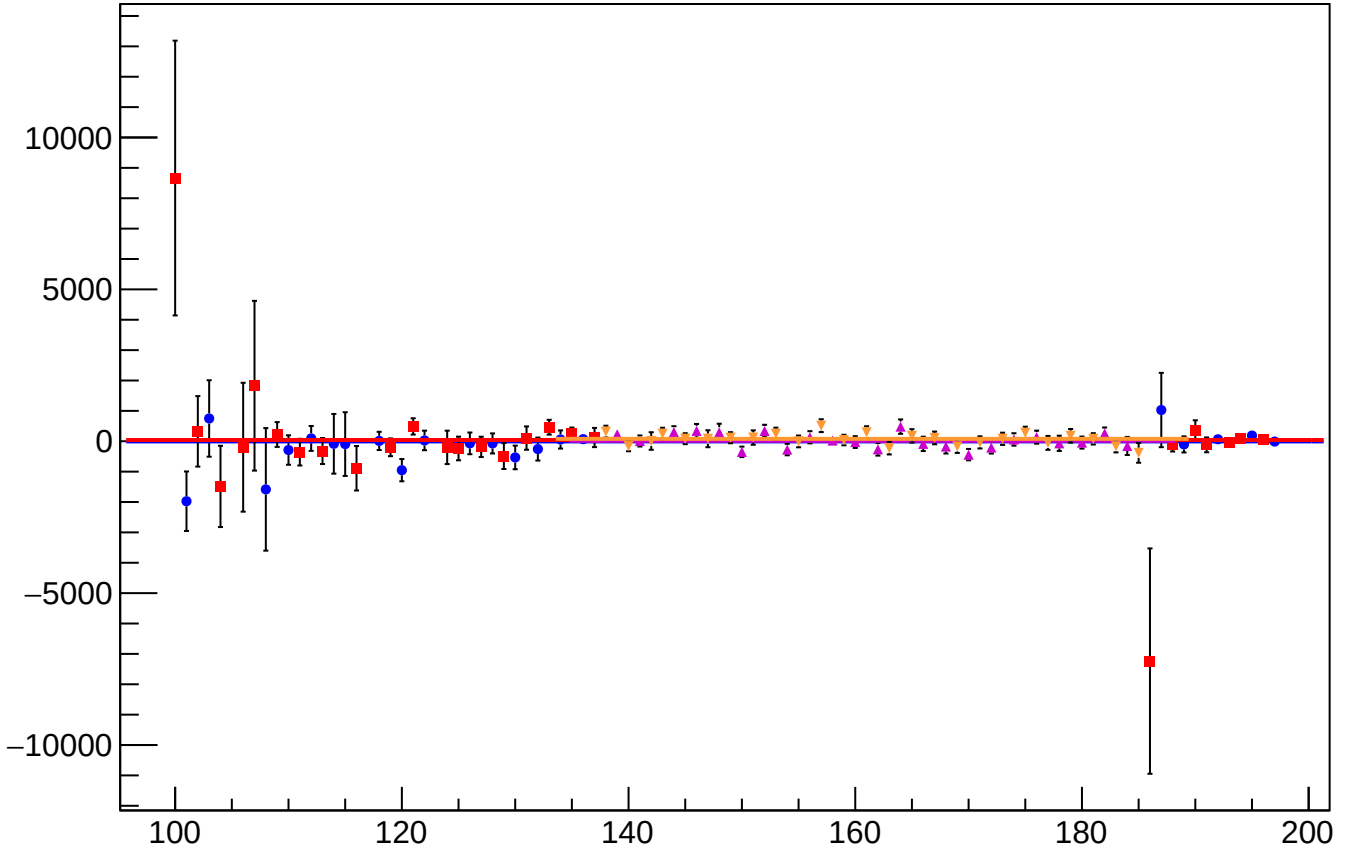
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 267325.835+/-36.332 χ^2/NDF: 5398339.3/45

All: 271401.121+/-26.143 χ^2/NDF: 1182474

- sign 275776.507+/-37.646 χ^2/NDF: 6400315.1/48

diff_cav4cY_mean vs Slug



Right In: -4.573+/-57.577 χ^2/NDF: 17.6/20

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 41.495+/-54.198 χ^2/NDF: 25.6/25

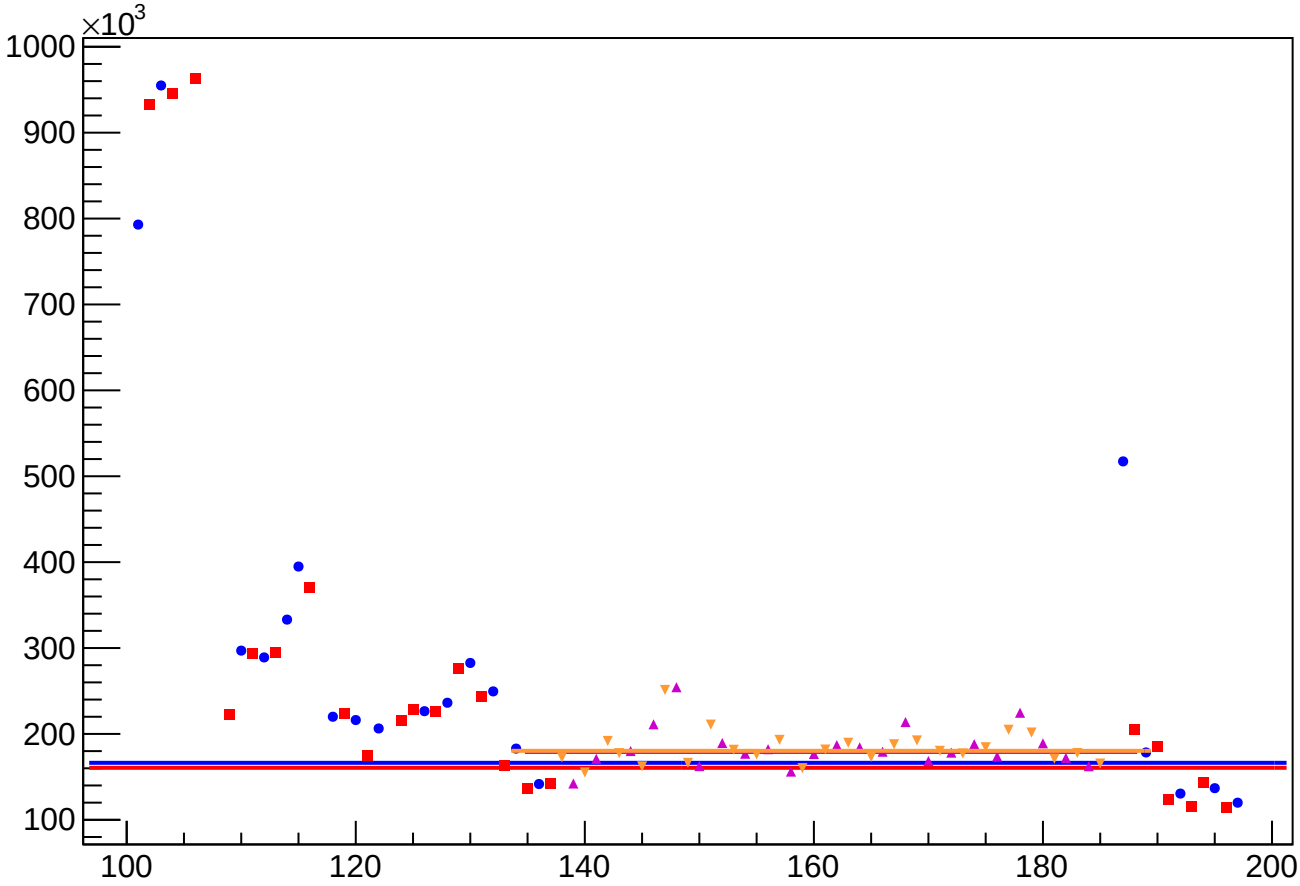
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 50.934+/-33.560 χ^2/NDF: 38.7/45

All: 37.573+/-23.643 χ^2/NDF: 98.0/94

- sign 24.407+/-33.313 χ^2/NDF: 58.9/48

diff_cav4cY_rms vs Slug



Right In: 166370.955+/-40.743 χ^2/NDF: 3080488.6/19

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 160571.247+/-38.365 χ^2/NDF: 3215880.7/22

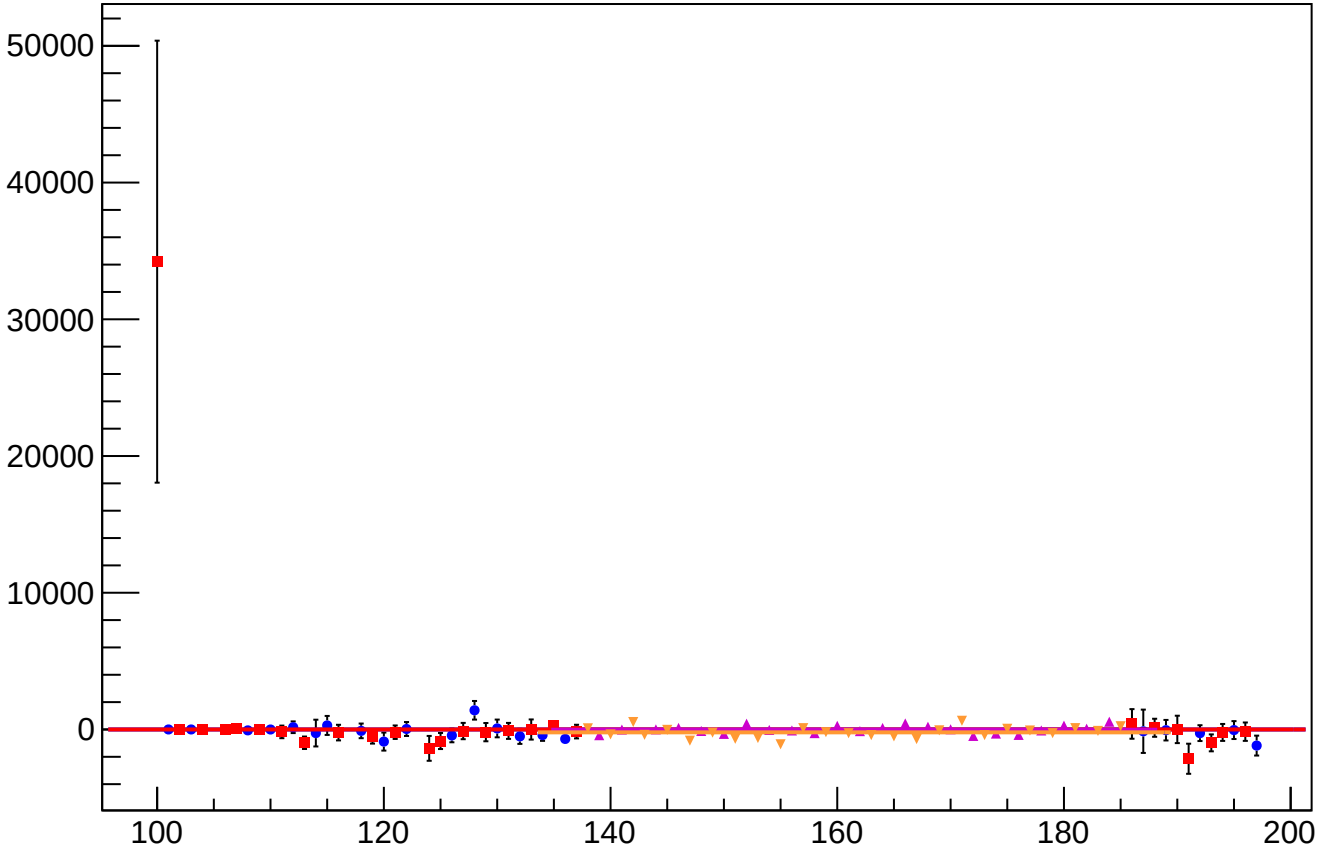
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 175600.775+/-23.736 χ^2/NDF: 3504771.3/44

All: 173818.527+/-16.723 χ^2/NDF: 7377308.

- sign 172061.811+/-23.566 χ^2/NDF: 3861342.0/45

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 21.0/20

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: -0.355+/-0.160 χ^2/NDF: 23.1/25

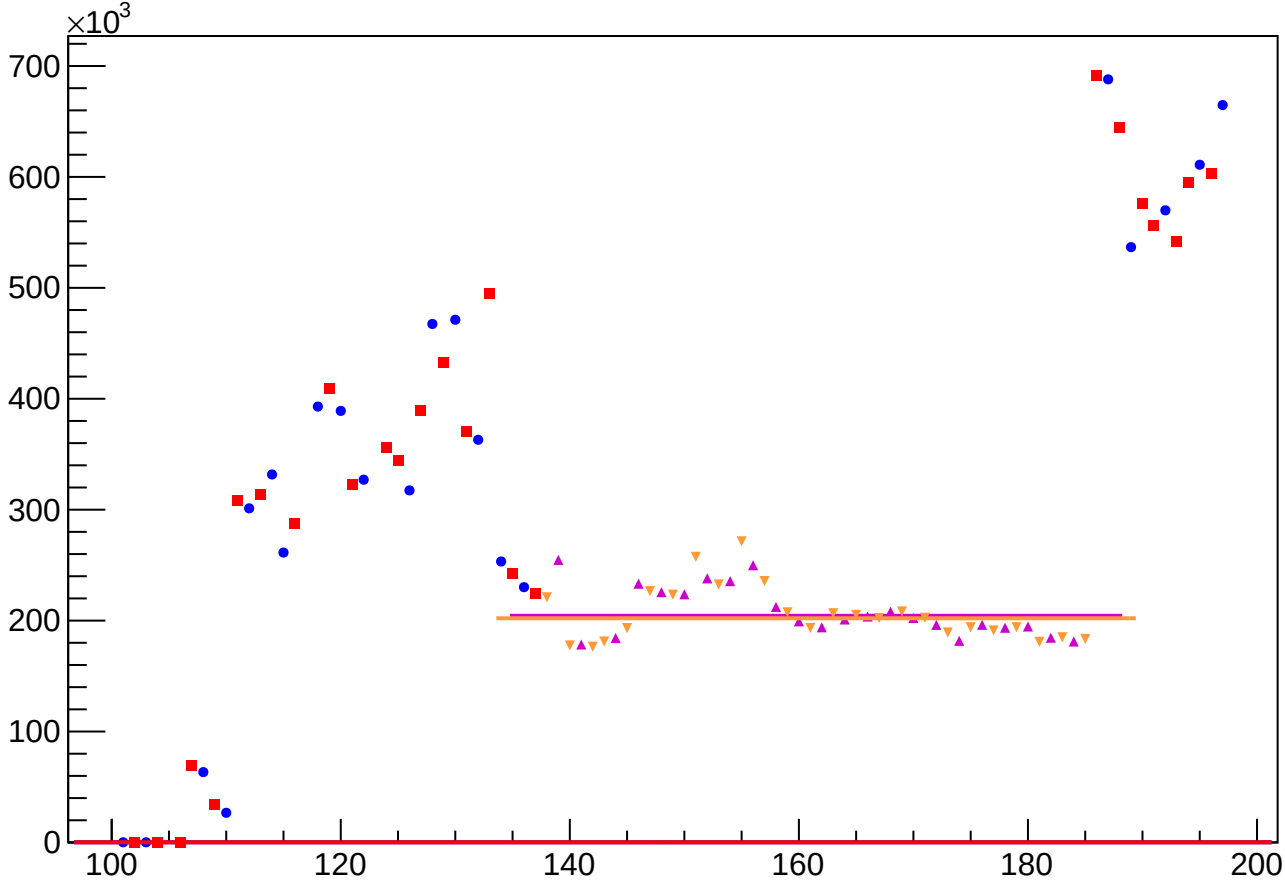
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 102.8/45

All: -0.208+/-0.117 χ^2/NDF: 156.5/94

- sign -0.355+/-0.160 χ^2/NDF: 51.9/48

diff_cav4dX_rms vs Slug



Right In: 149.259+/-0.122 χ^2/NDF: 18046705.2/20

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.568+/-0.113 χ^2/NDF: 20165494.4/24

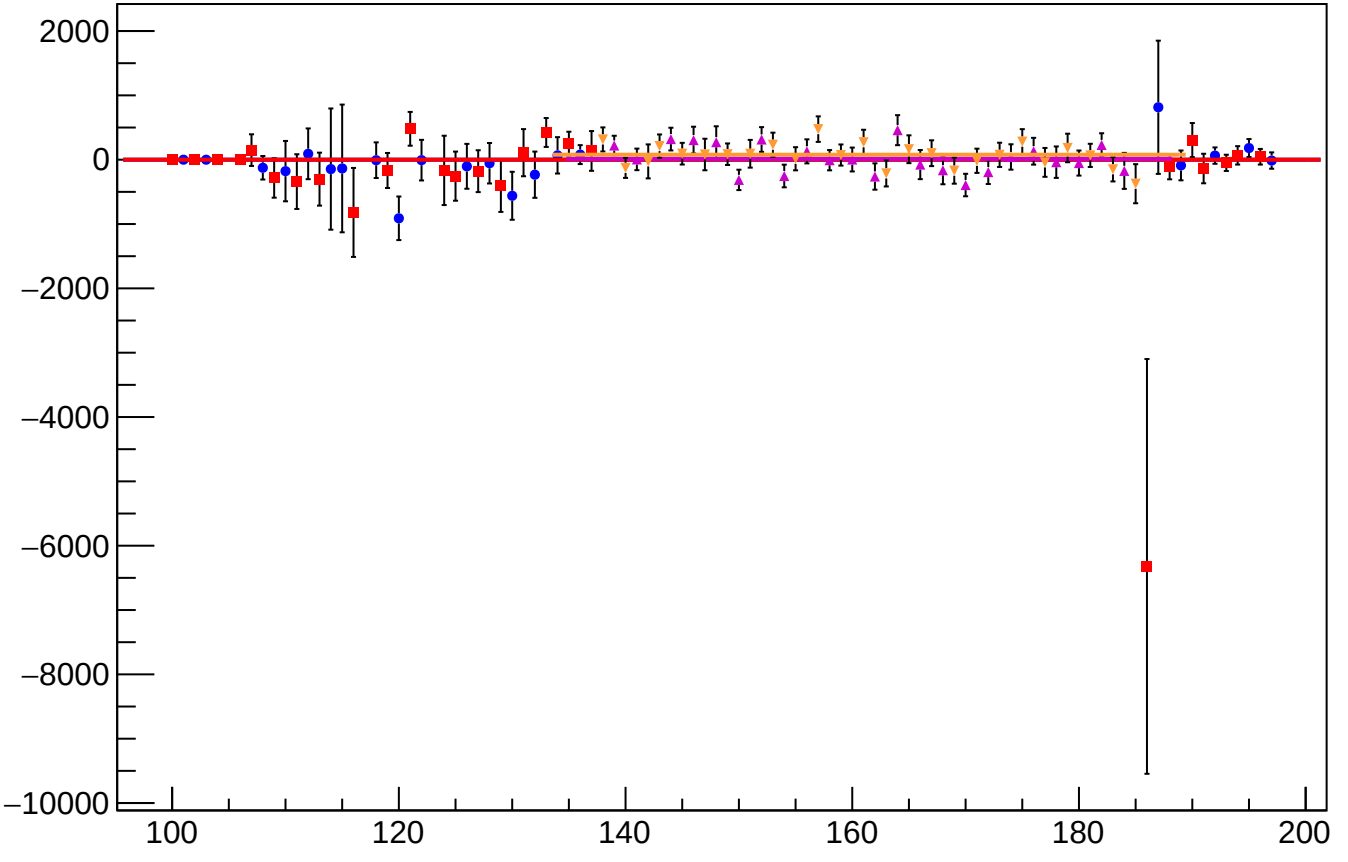
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.055+/-0.122 χ^2/NDF: 56542516.1/45

All: 151.938+/-0.083 χ^2/NDF: 113210726.7/9

- sign 151.837+/-0.113 χ^2/NDF: 56668208.9/47

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 13.9/20

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

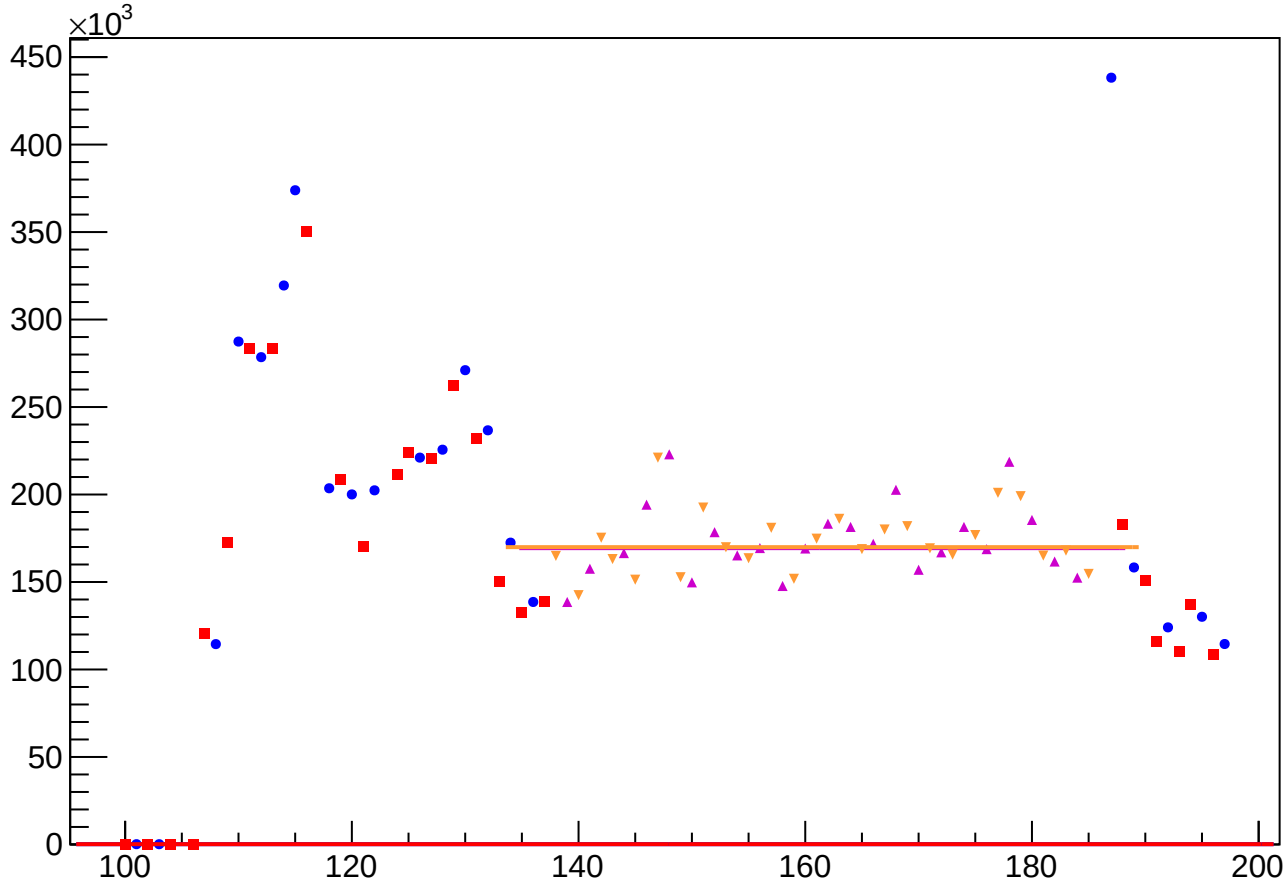
Right Out: 0.126+/-0.166 χ^2/NDF: 21.6/25

Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.066+/-0.177 χ^2/NDF: 37.0/45

All: 0.036+/-0.121 χ^2/NDF: 92.0/94

- sign 0.126+/-0.166 χ^2/NDF: 54.4/48



Right In: 154.237+/-0.125 χ^2/NDF: 18441752.8/20

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.991+/-0.118 χ^2/NDF: 19182546.4/24

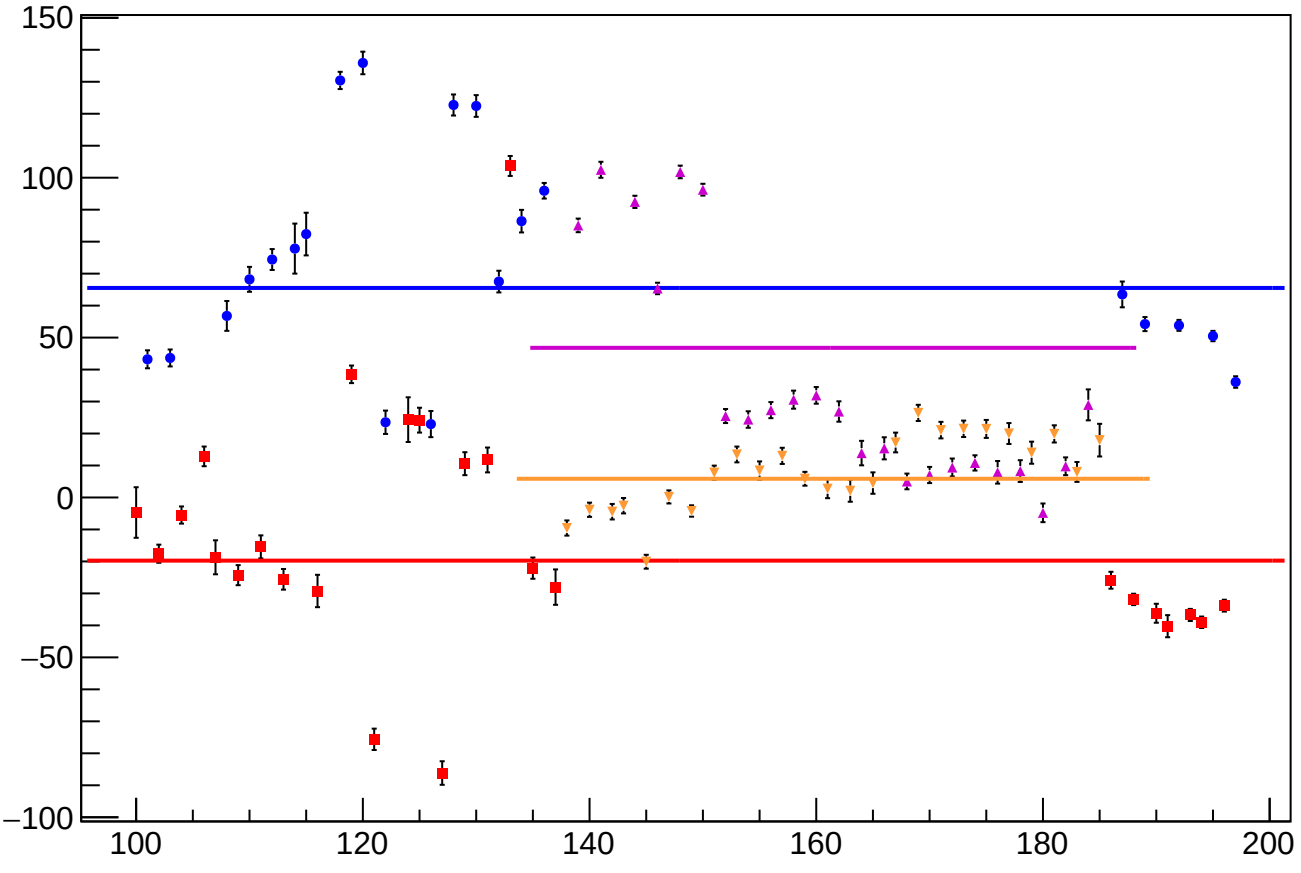
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 157.757+/-0.125 χ^2/NDF: 56853533.2/45

All: 158.913+/-0.086 χ^2/NDF: 112420899.7/9

- sign 159.933+/-0.118 χ^2/NDF: 55567206.5/47

diff_bpm0i01X_mean vs Slug



Right In: 65.525+/-0.611 χ^2/NDF: 2569.4/20

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -19.747+/-0.575 χ^2/NDF: 3451.8/25

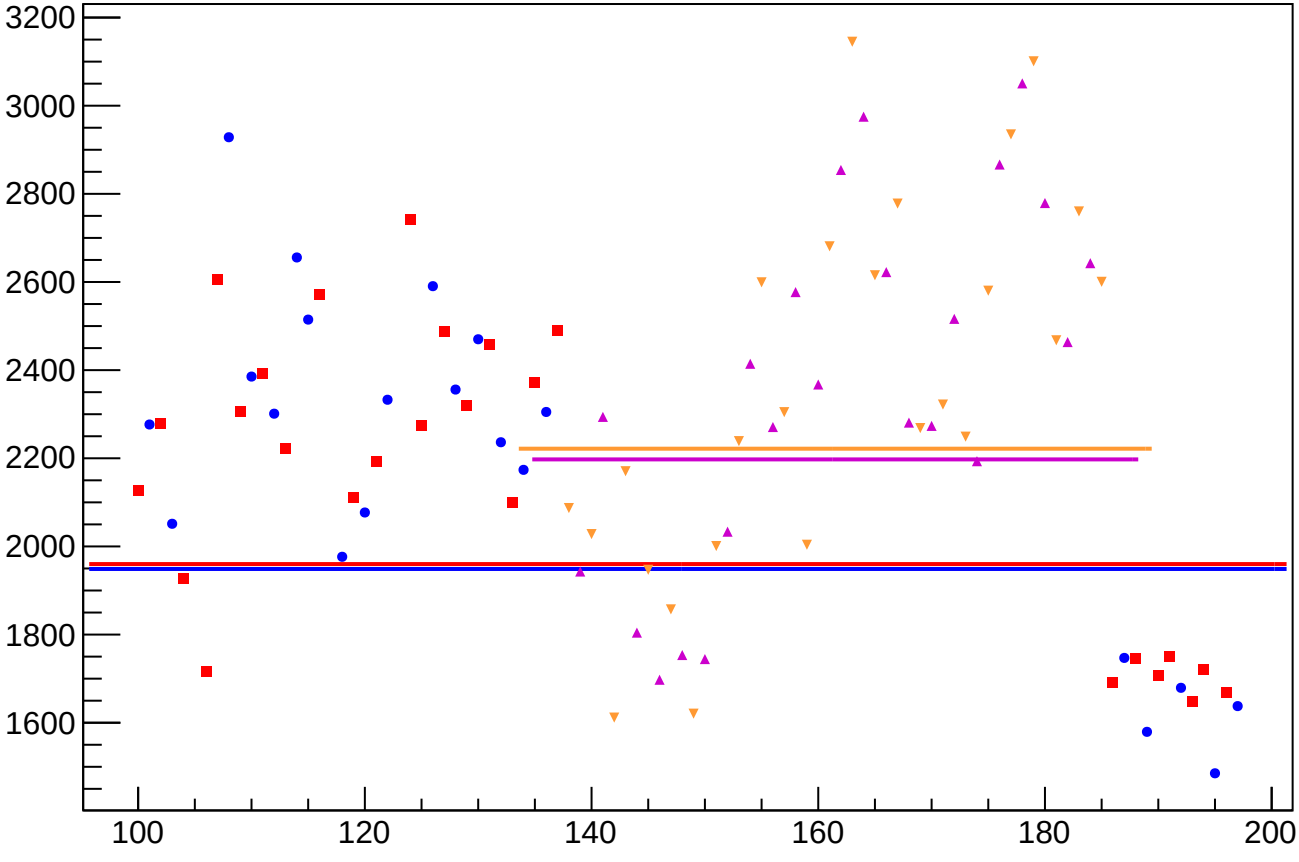
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 30.585+/-0.393 χ^2/NDF: 8691.4/45

All: 23.476+/-0.276 χ^2/NDF: 25273.3/94

- sign 16.574+/-0.387 χ^2/NDF: 15937.9/48

diff_bpm0i01X_rms vs Slug



Right In: 1948.865+/-0.432 χ^2/NDF: 749220.2/20

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1959.976+/-0.407 χ^2/NDF: 577561.4/25

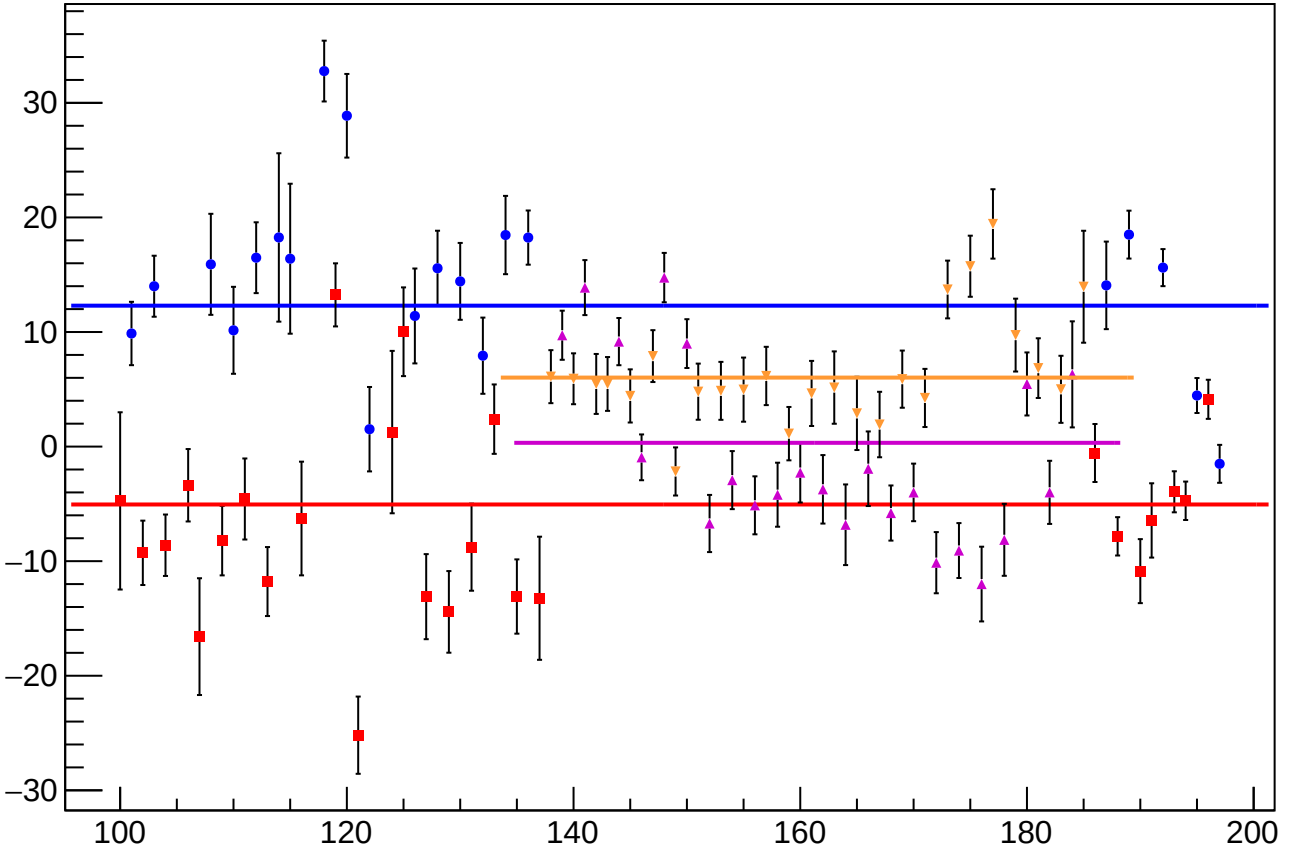
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2108.658+/-0.278 χ^2/NDF: 2166964.1/45

All: 2098.992+/-0.195 χ^2/NDF: 4037817.9/94

- sign 2089.609+/-0.274 χ^2/NDF: 1868473.1/48

diff_bpm0i01Y_mean vs Slug



Right In: 12.300+/-0.587 χ^2/NDF: 215.7/20

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -5.053+/-0.553 χ^2/NDF: 178.3/25

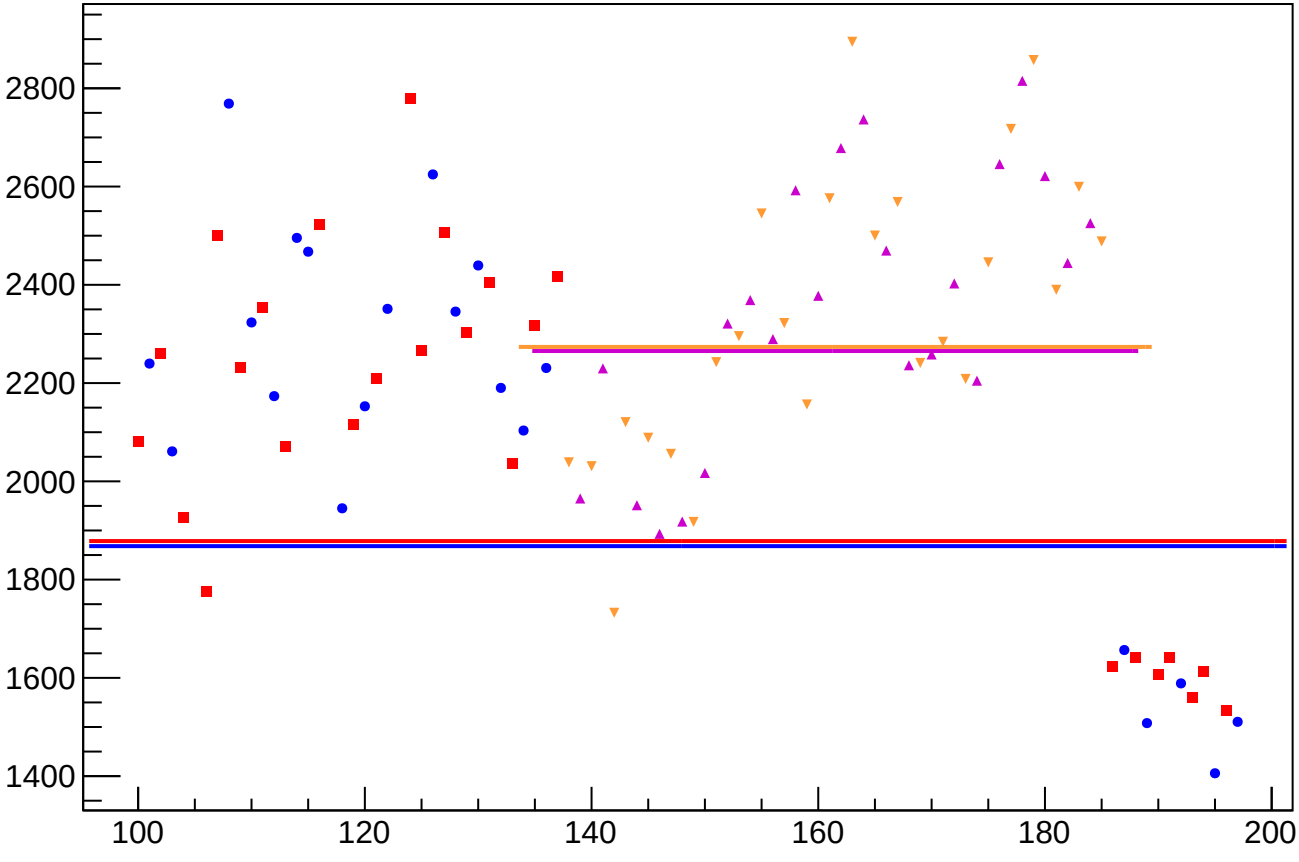
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.786+/-0.390 χ^2/NDF: 351.4/45

All: 3.179+/-0.274 χ^2/NDF: 1211.8/94

- sign -2.272+/-0.384 χ^2/NDF: 452.1/48

diff_bpm0i01Y_rms vs Slug



Right In: 1868.119+/-0.415 χ^2/NDF: 902491.9/20

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1878.465+/-0.391 χ^2/NDF: 733551.4/25

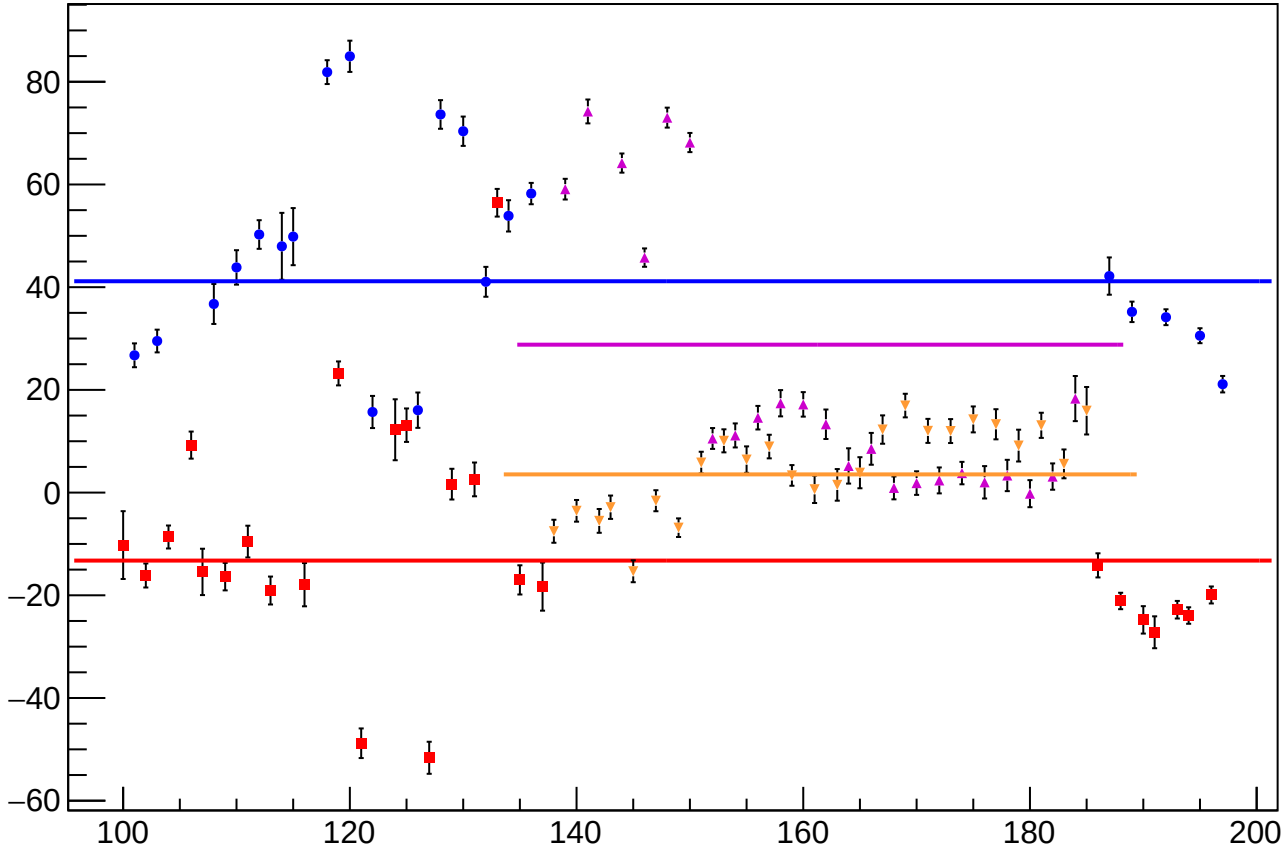
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2095.101+/-0.276 χ^2/NDF: 1973031.3/45

All: 2086.576+/-0.193 χ^2/NDF: 3710412.9/94

- sign 2078.288+/-0.272 χ^2/NDF: 1735493.8/48

diff_bpm0i01aX_mean vs Slug



Right In: 41.157+/-0.533 χ^2/NDF: 1280.8/20

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -13.240+/-0.501 χ^2/NDF: 1593.0/25

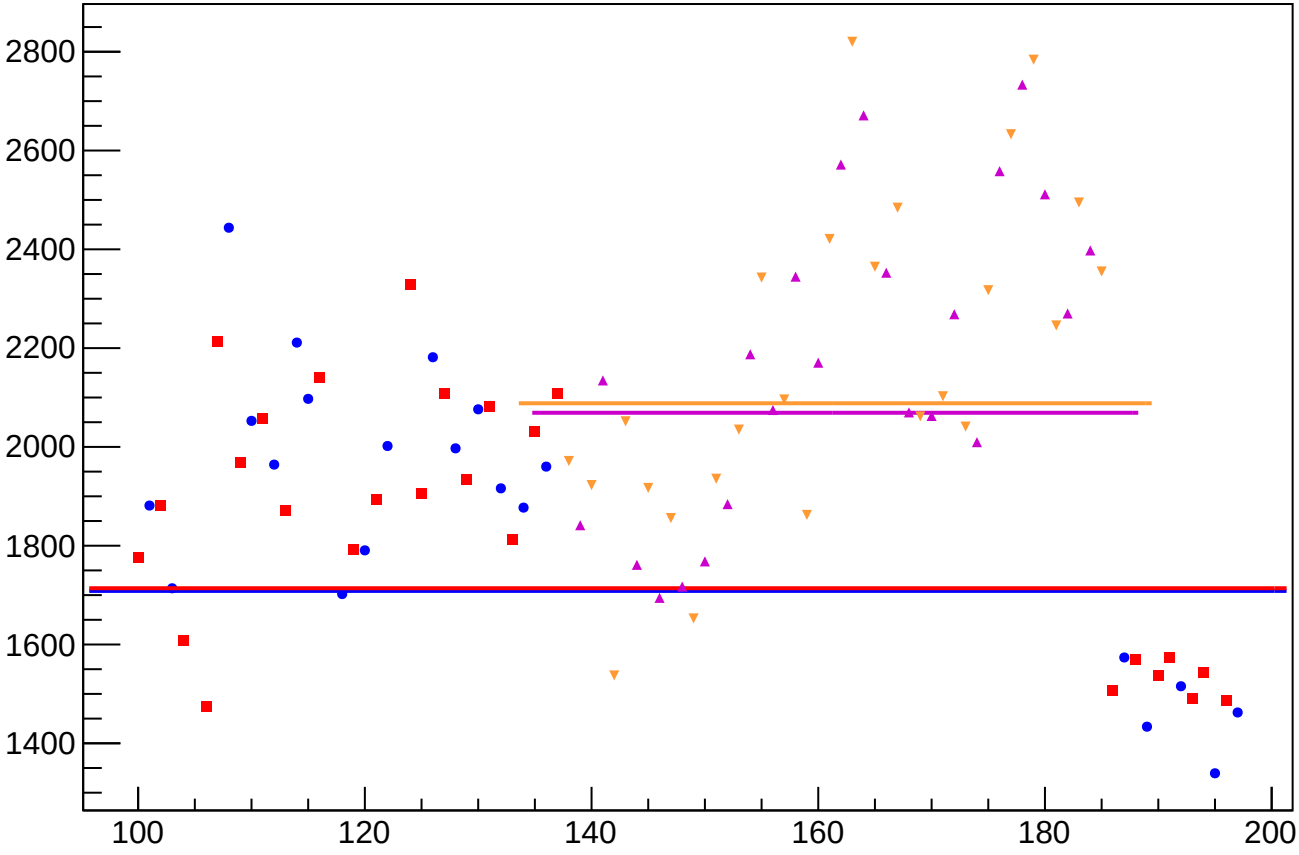
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 20.414+/-0.357 χ^2/NDF: 4351.3/45

All: 14.206+/-0.250 χ^2/NDF: 13396.5/94

- sign 8.208+/-0.351 χ^2/NDF: 8449.6/48

diff_bpm0i01aX_rms vs Slug



Right In: 1708.507+/-0.377 χ^2/NDF: 546872.9/20

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1713.913+/-0.354 χ^2/NDF: 413285.9/25

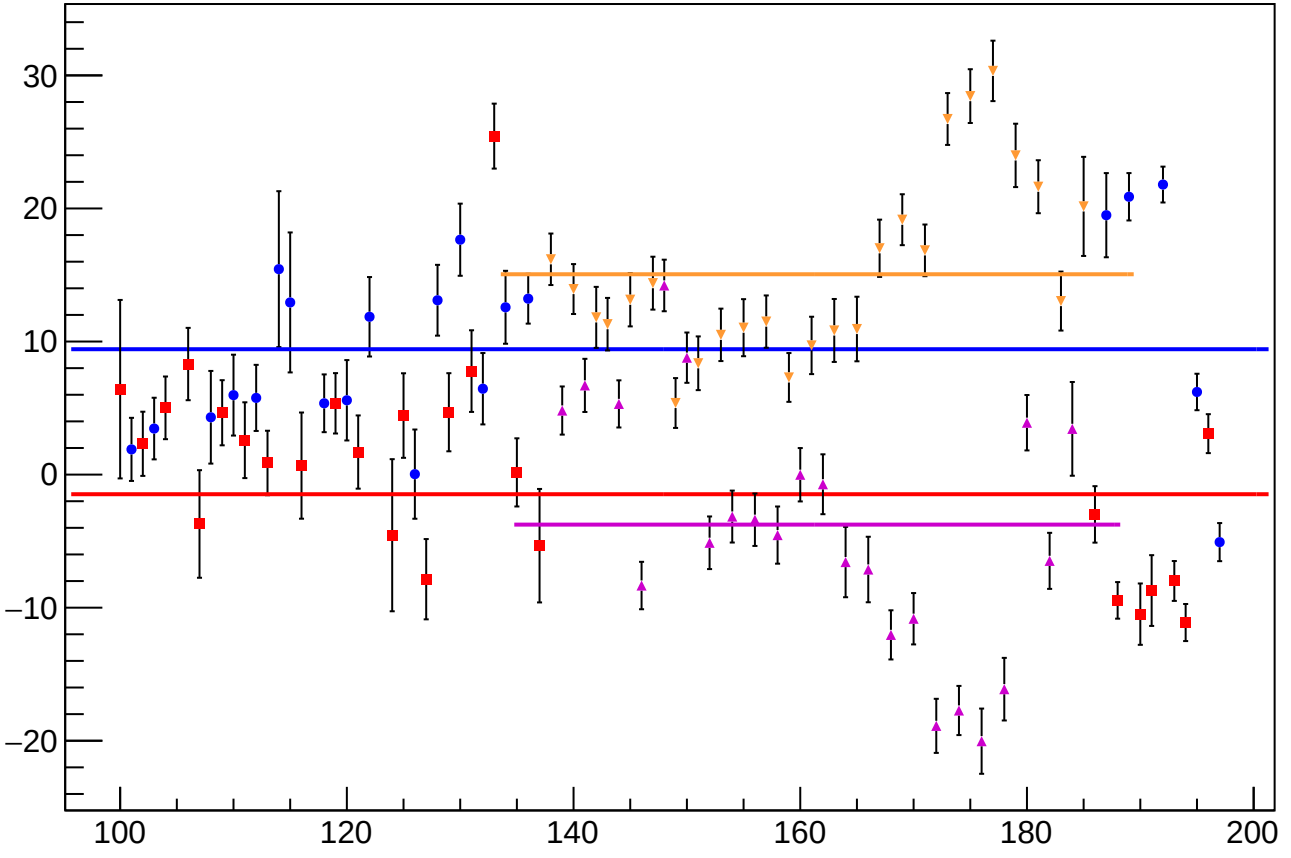
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1917.990+/-0.252 χ^2/NDF: 1895396.3/45

All: 1906.356+/-0.177 χ^2/NDF: 3537398.7/94

- sign 1895.116+/-0.248 χ^2/NDF: 1637818.9/48

diff_bpm0i01aY_mean vs Slug



Right In: 9.423+/-0.492 χ^2/NDF: 299.2/20

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -1.474+/-0.458 χ^2/NDF: 322.6/25

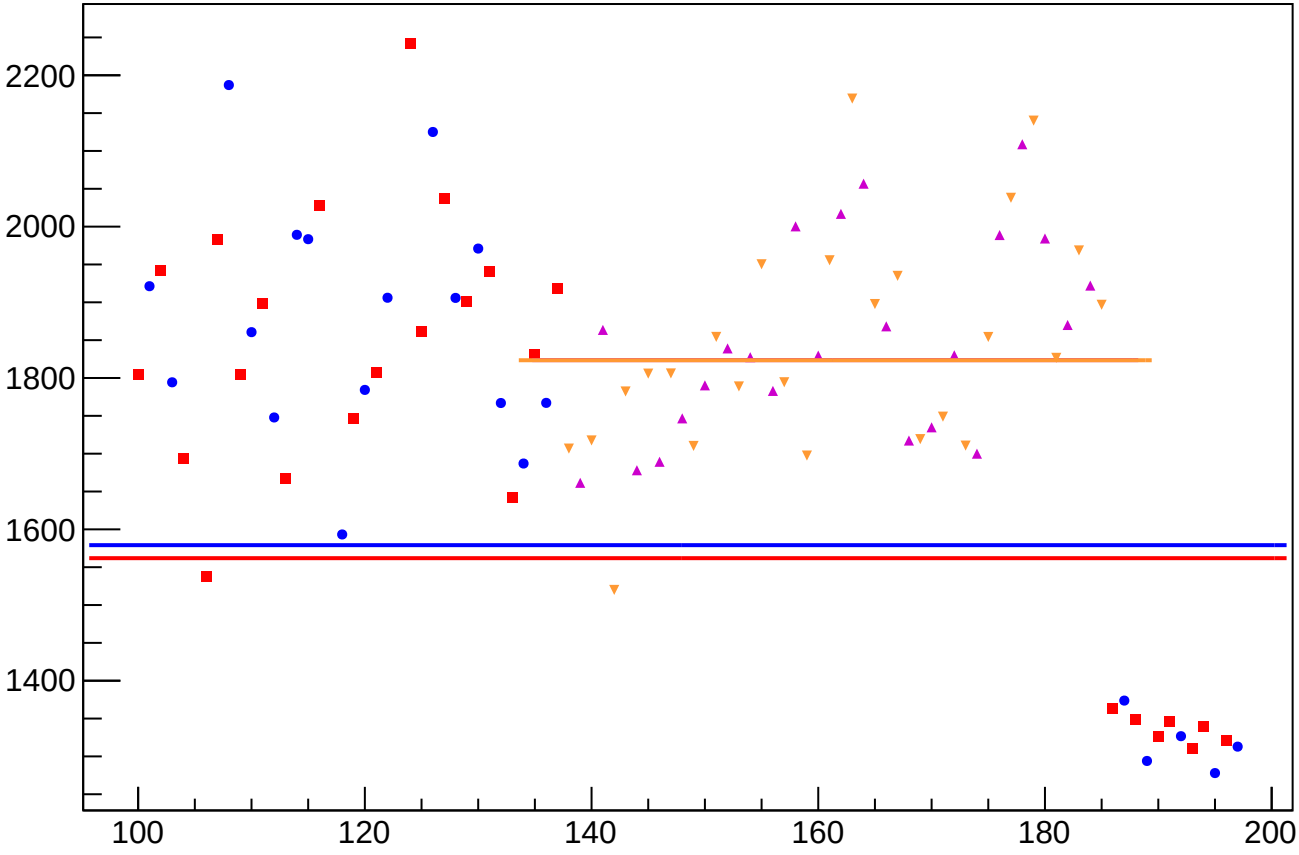
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 12.711+/-0.318 χ^2/NDF: 621.8/45

All: 4.888+/-0.223 χ^2/NDF: 2611.6/94

- sign -2.694+/-0.313 χ^2/NDF: 794.9/48

diff_bpm0i01aY_rms vs Slug



Right In: 1579.120+/-0.348 χ^2/NDF: 654940.5/20

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1561.922+/-0.324 χ^2/NDF: 640758.7/25

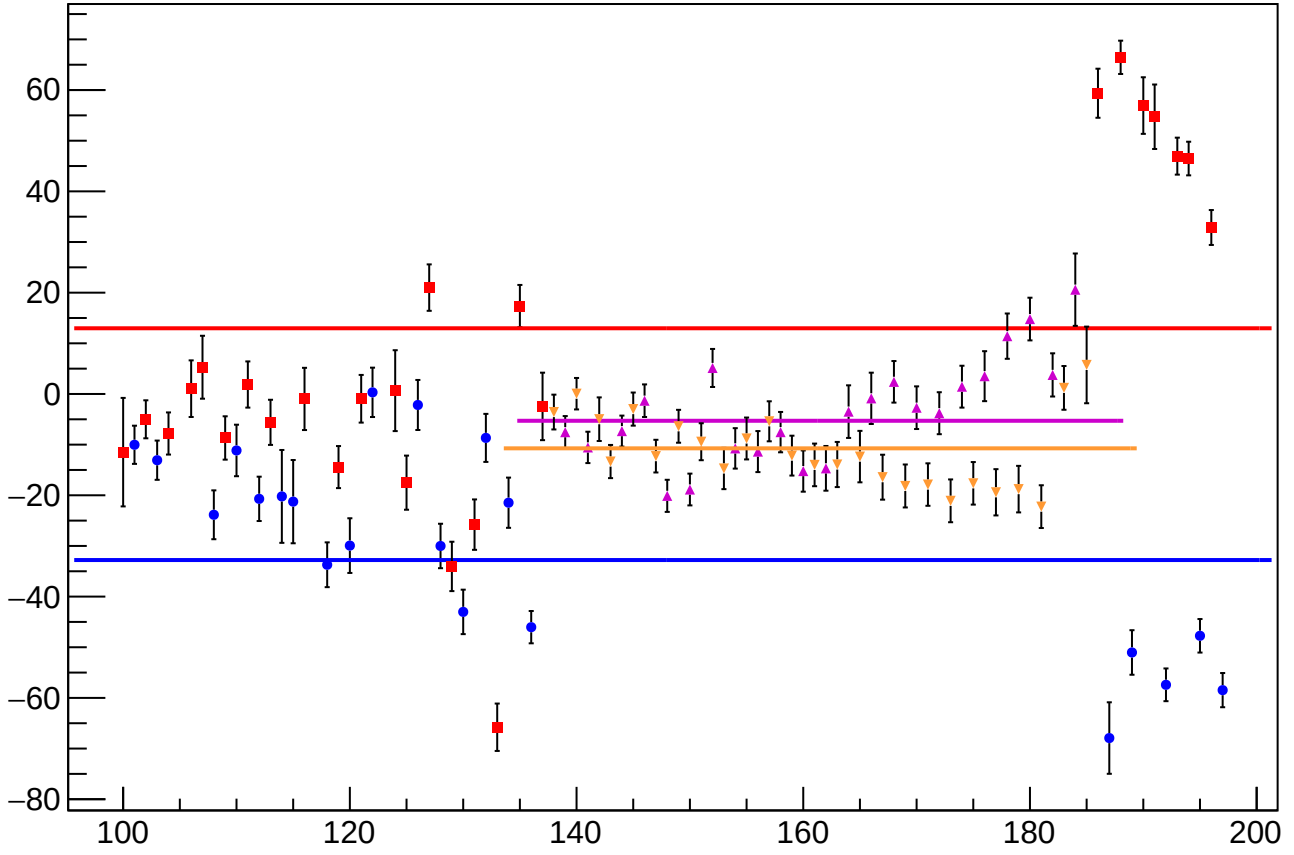
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1721.743+/-0.225 χ^2/NDF: 1153843.7/45

All: 1711.554+/-0.158 χ^2/NDF: 2311151.1/94

- sign 1701.681+/-0.221 χ^2/NDF: 1153254.4/48

diff_bpm0l01X_mean vs Slug



Right In: -32.784+/-0.953 χ^2/NDF: 412.8/20

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 12.970+/-0.903 χ^2/NDF: 1330.7/25

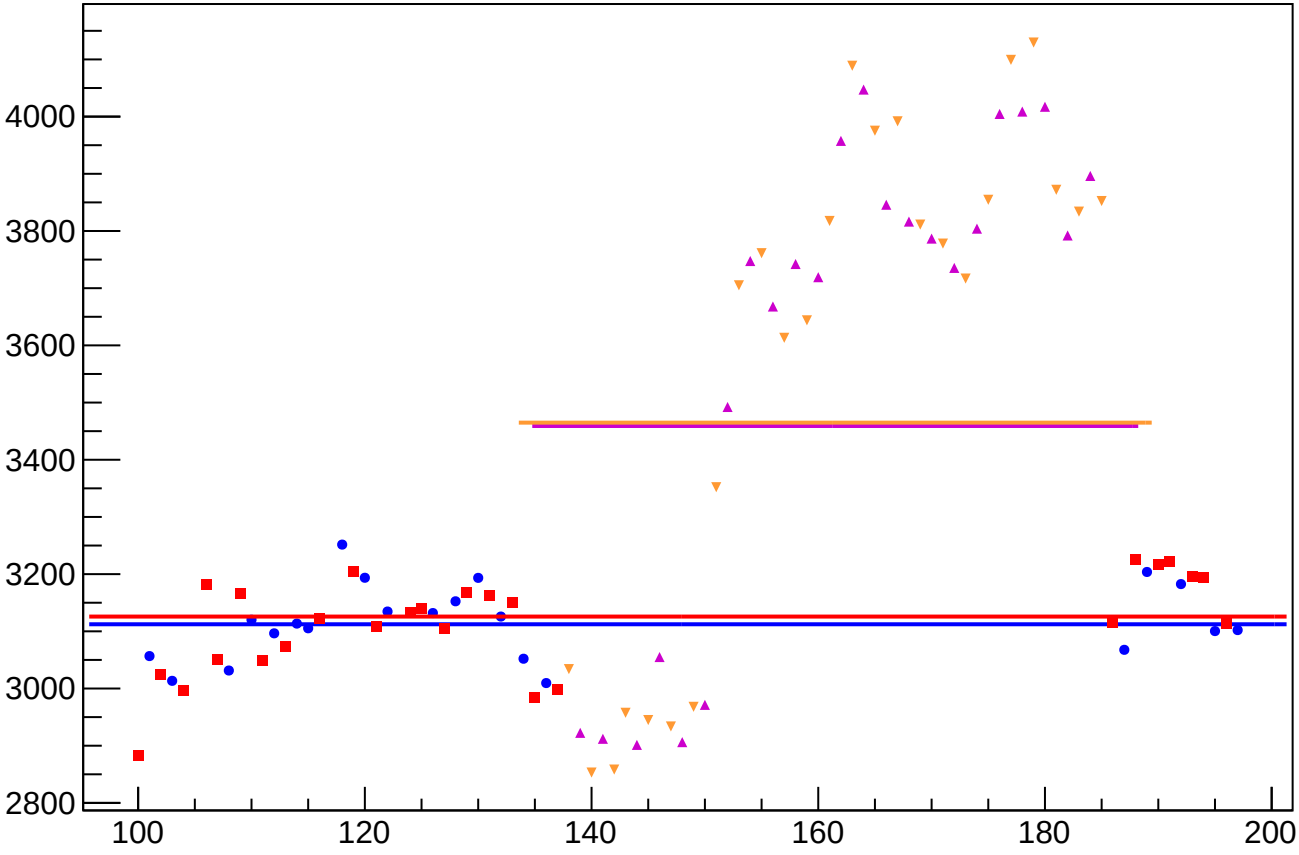
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -19.761+/-0.610 χ^2/NDF: 802.6/45

All: -8.331+/-0.429 χ^2/NDF: 3188.5/94

- sign 2.900+/-0.605 χ^2/NDF: 1689.9/48

diff_bpm0l01X_rms vs Slug



Right In: 3112.343+/-0.674 χ^2/NDF: 10026.1/20

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3125.809+/-0.638 χ^2/NDF: 14519.5/25

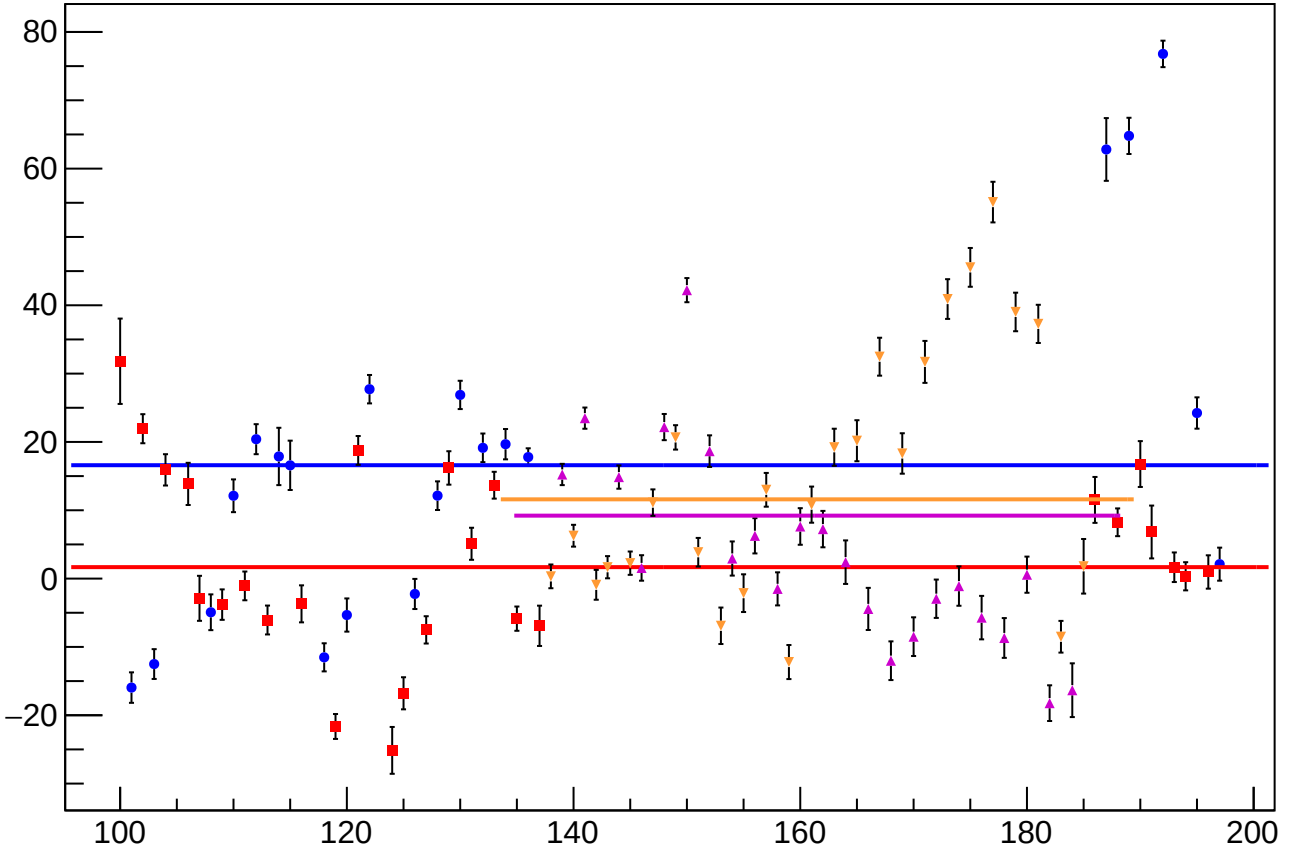
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3320.552+/-0.431 χ^2/NDF: 815581.6/45

All: 3315.015+/-0.304 χ^2/NDF: 1563975.6/94

- sign 3309.574+/-0.428 χ^2/NDF: 748067.4/48

diff_bpm0l01Y_mean vs Slug



Right In: 16.594+/-0.486 χ^2/NDF: 2313.1/20

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 1.678+/-0.466 χ^2/NDF: 711.3/25

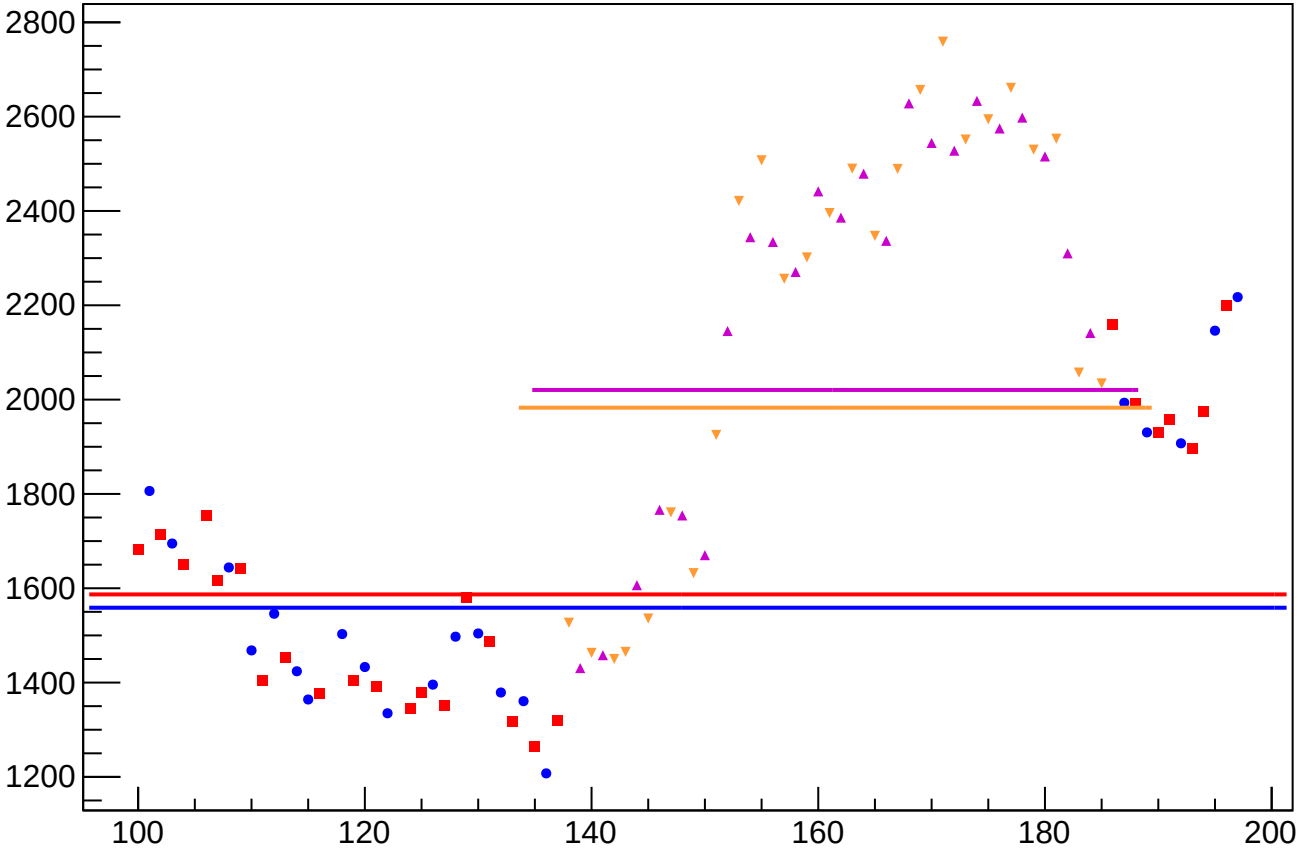
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 13.977+/-0.335 χ^2/NDF: 3565.4/45

All: 9.641+/-0.237 χ^2/NDF: 5677.4/94

- sign 5.302+/-0.336 χ^2/NDF: 1777.8/48

diff_bpm0l01Y_rms vs Slug



Right In: 1558.726+/-0.344 χ^2/NDF: 671503.8/20

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1586.950+/-0.329 χ^2/NDF: 680722.3/25

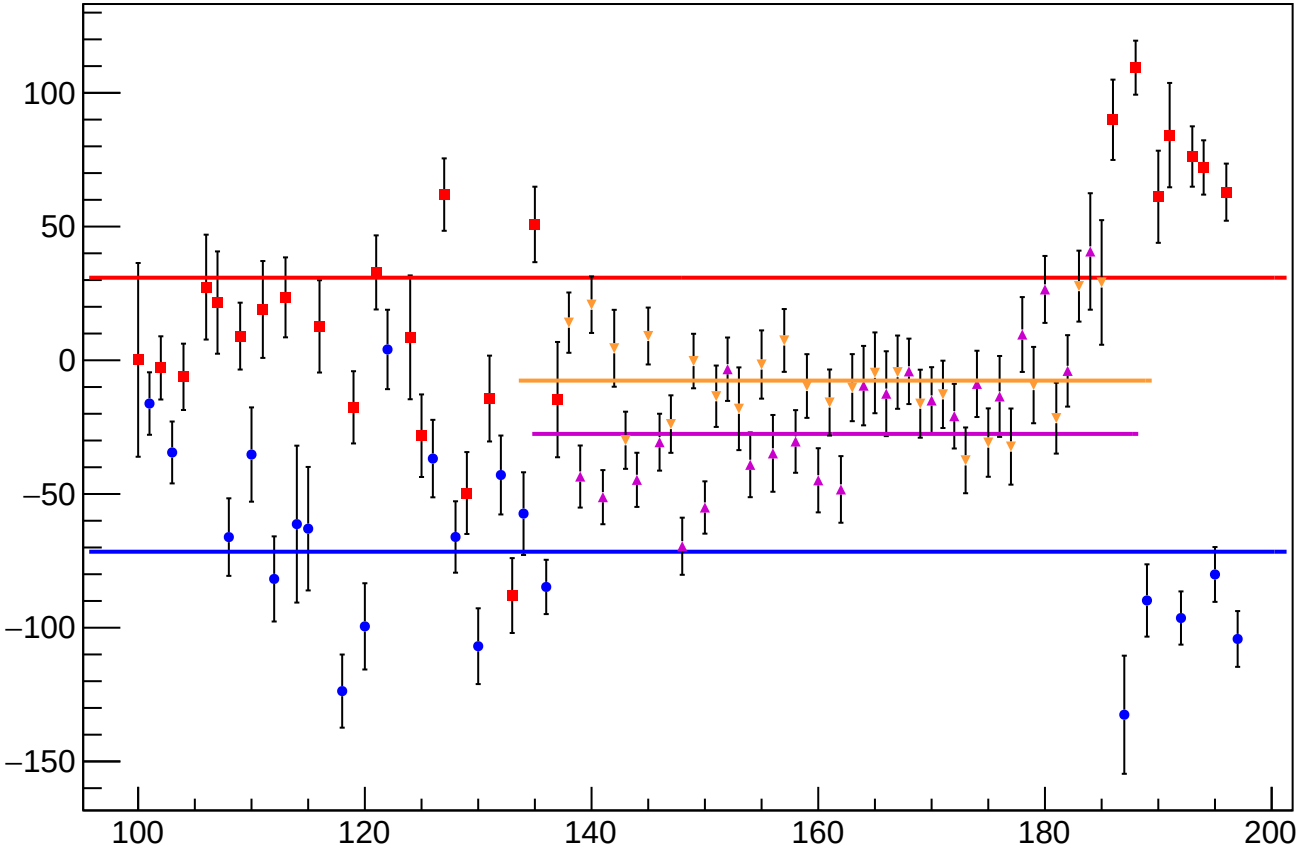
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1780.963+/-0.237 χ^2/NDF: 3446720.3/45

All: 1788.225+/-0.168 χ^2/NDF: 6577350.9/94

- sign 1795.492+/-0.237 χ^2/NDF: 3128755.3/48

diff_bpm0l02X_mean vs Slug



Right In: -71.583+/-2.966 χ^2/NDF: 125.9/20

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 30.880+/-2.815 χ^2/NDF: 298.8/25

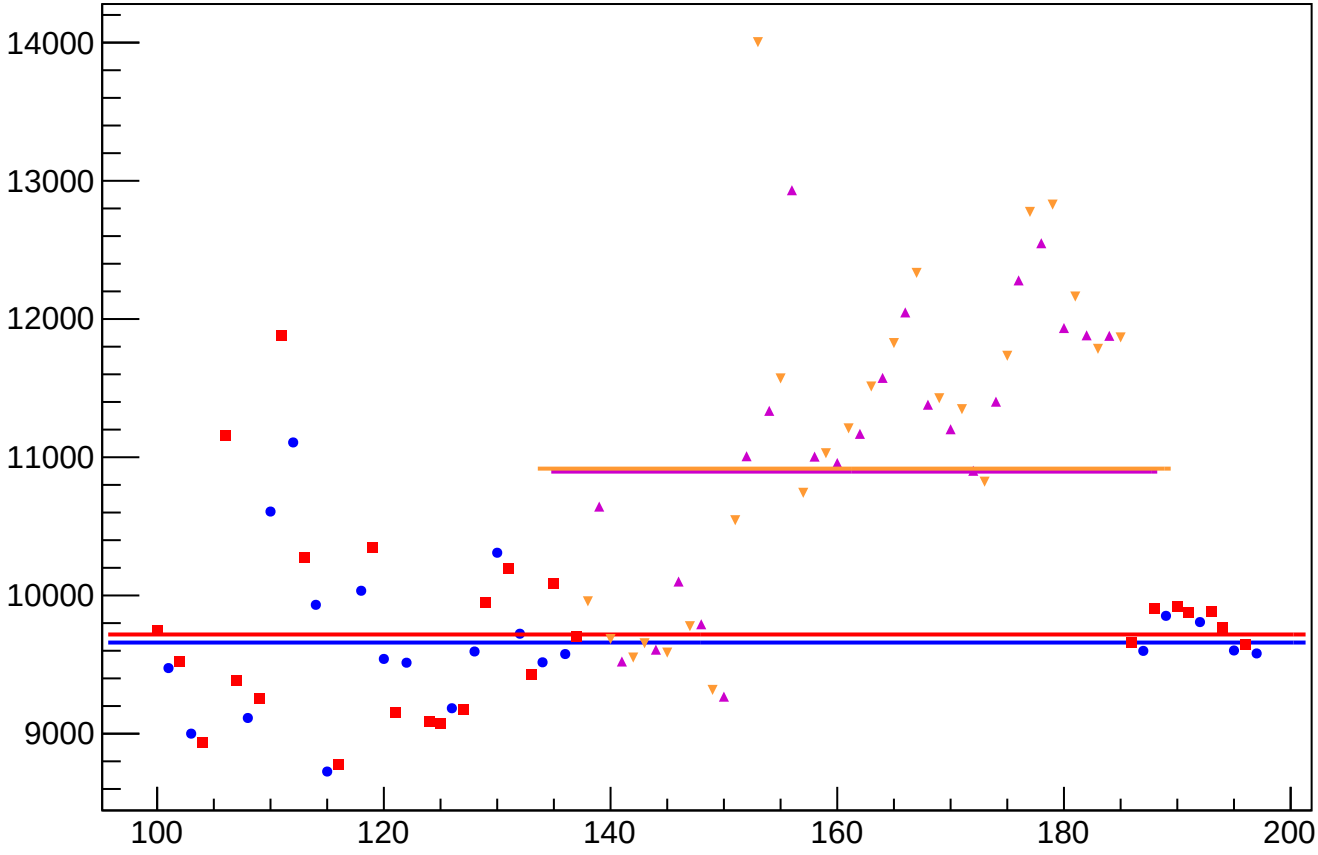
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -34.106+/-1.909 χ^2/NDF: 446.3/45

All: -17.469+/-1.344 χ^2/NDF: 1224.6/94

- sign -1.126+/-1.892 χ^2/NDF: 627.8/48

diff_bpm0l02X_rms vs Slug



Right In: 9659.363+/-2.098 χ^2/NDF: 45179.3/20

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9717.716+/-1.990 χ^2/NDF: 81962.2/25

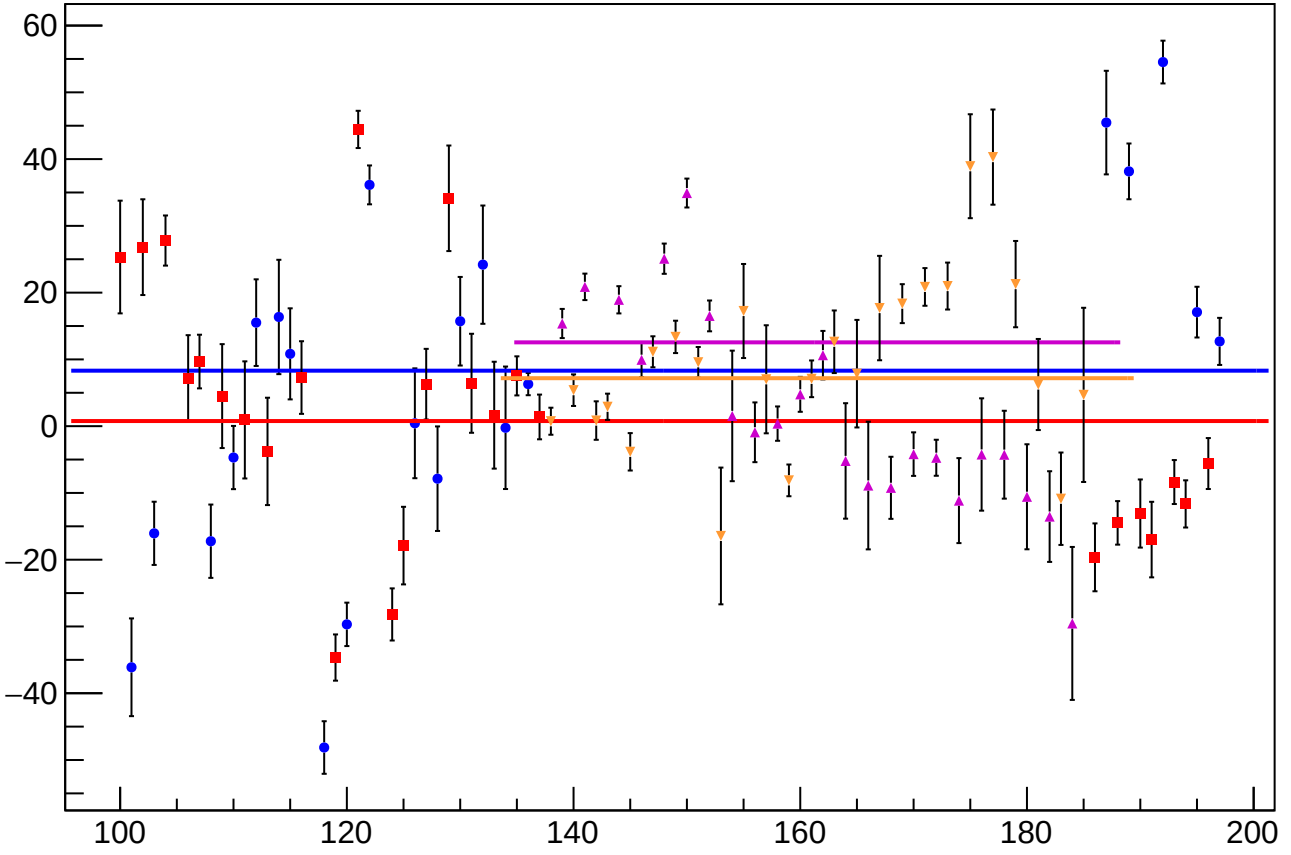
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10396.342+/-1.350 χ^2/NDF: 681795.7/45

All: 10379.719+/-0.950 χ^2/NDF: 1254159.4/9

- sign 10363.391+/-1.338 χ^2/NDF: 572063.2/48

diff_bpm0l02Y_mean vs Slug



Right In: 8.312+/-0.899 χ^2/NDF: 829.2/20

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 0.768+/-0.873 χ^2/NDF: 599.7/25

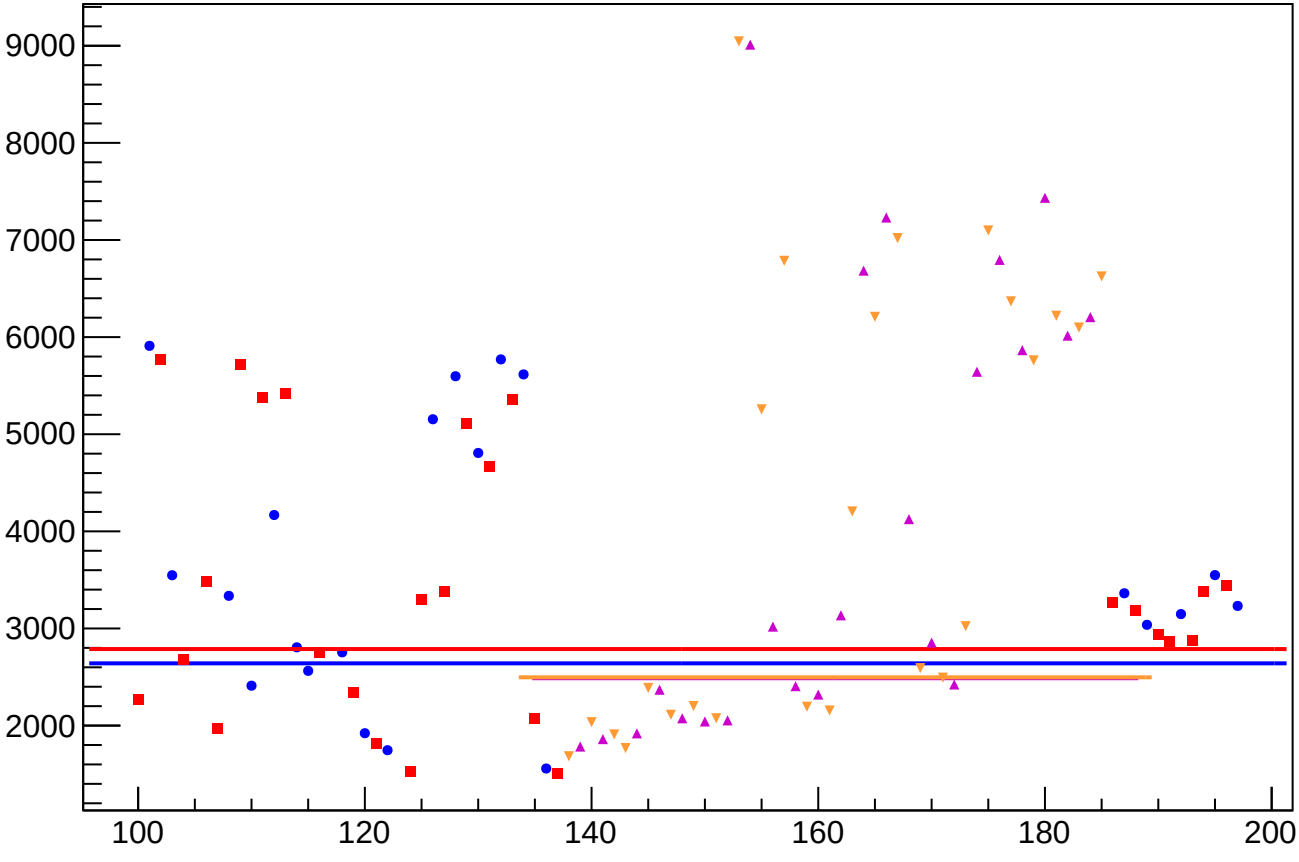
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

\+ sign 7.574+/-0.529 χ^2/NDF: 1032.0/45

All: 7.921+/-0.373 χ^2/NDF: 2120.4/94

\- sign 8.265+/-0.527 χ^2/NDF: 1087.6/48

diff_bpm0l02Y_rms vs Slug



Right In: 2640.856+/-0.636 χ^2/NDF: 3154371.4/20

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2788.001+/-0.618 χ^2/NDF: 2743919.9/25

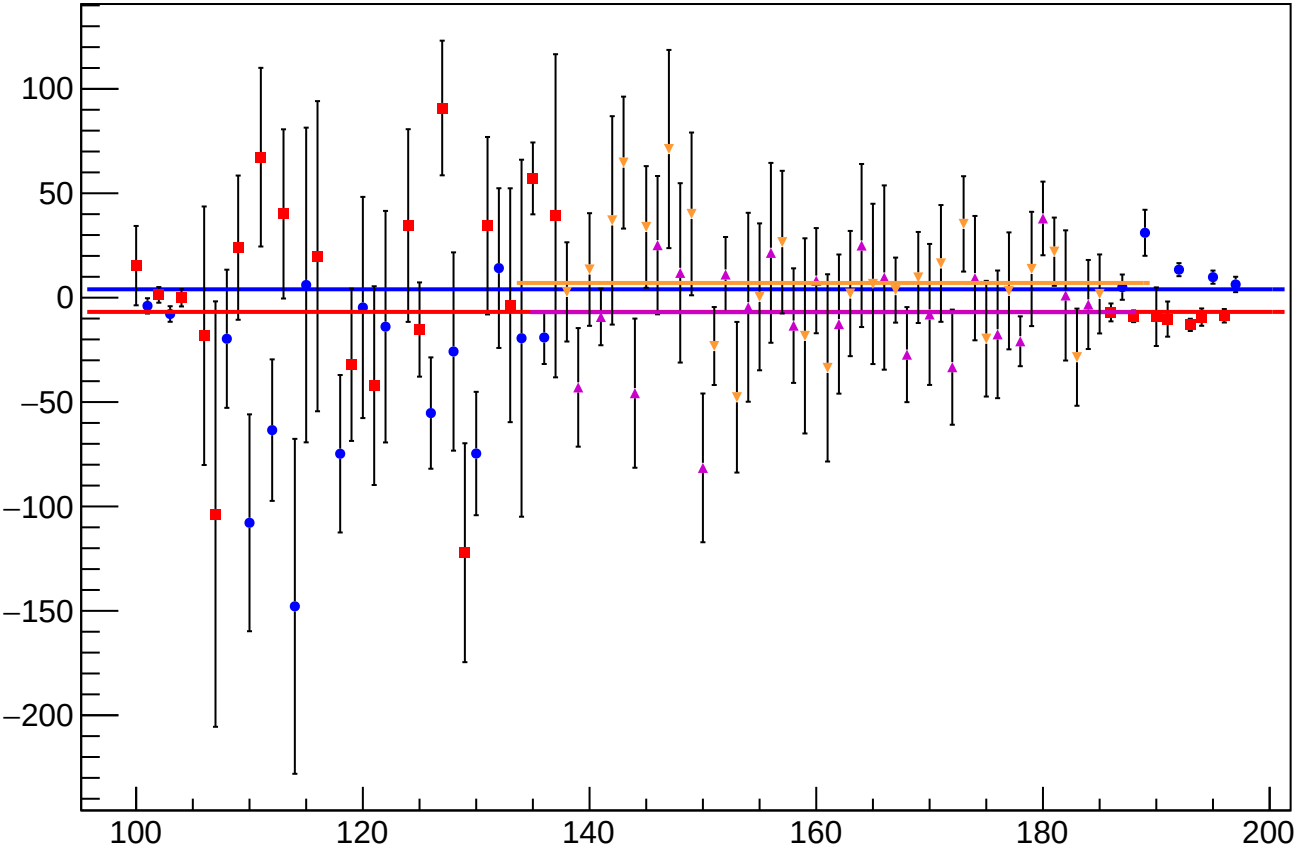
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2546.590+/-0.374 χ^2/NDF: 10393776.0/45

All: 2571.877+/-0.264 χ^2/NDF: 19400674.5/9

- sign 2596.982+/-0.373 χ^2/NDF: 8997782.5/48

diff_bpm0l03X_mean vs Slug



Right In: 4.003+/-1.455 χ^2/NDF: 66.8/20

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -6.819+/-1.274 χ^2/NDF: 52.0/25

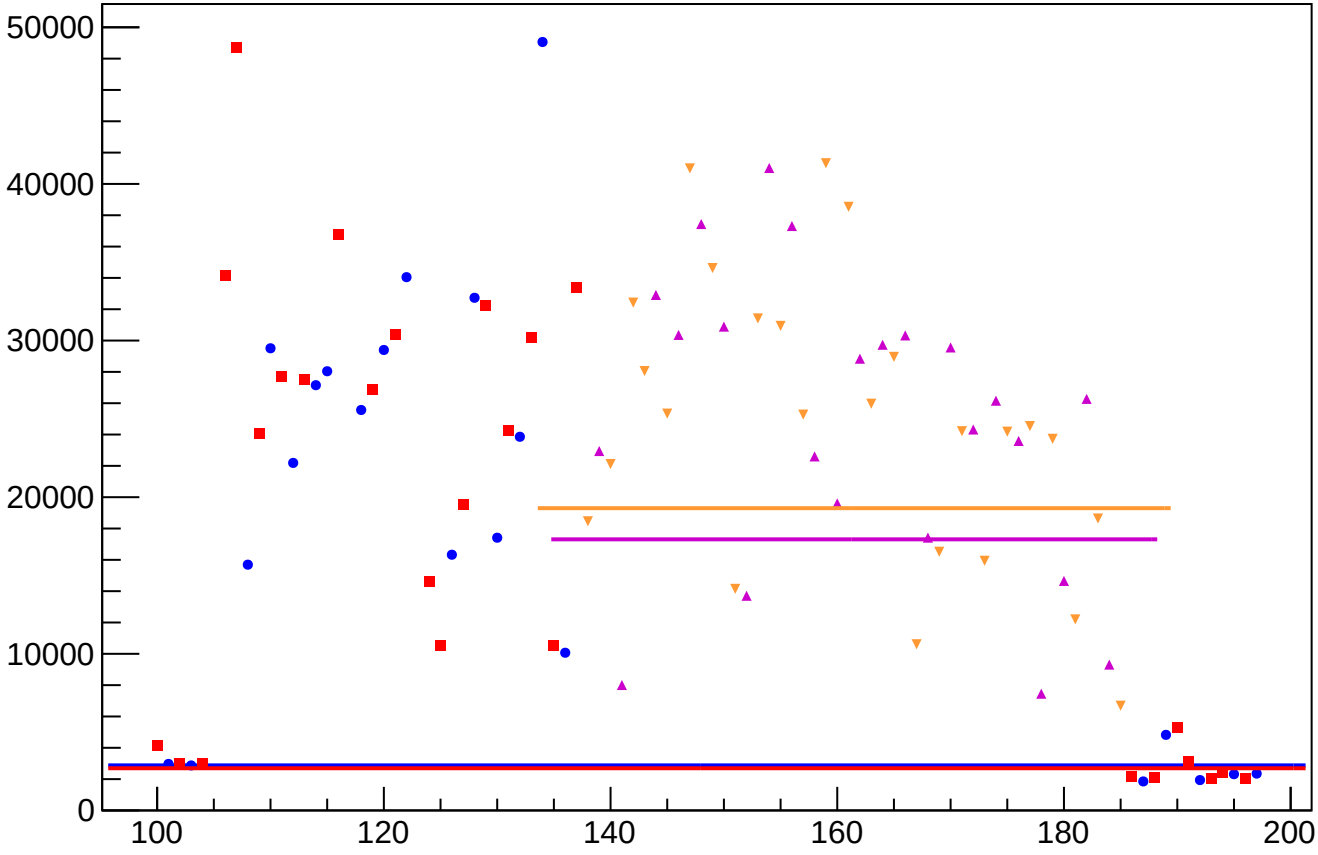
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 4.223+/-1.401 χ^2/NDF: 86.6/45

All: -1.991+/-0.927 χ^2/NDF: 194.7/94

- sign -6.827+/-1.236 χ^2/NDF: 73.1/48

diff_bpm0l03X_rms vs Slug



Right In: 2877.090+/-1.029 χ^2/NDF: 7756073.6/20

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2694.799+/-0.901 χ^2/NDF: 8795946.4/25

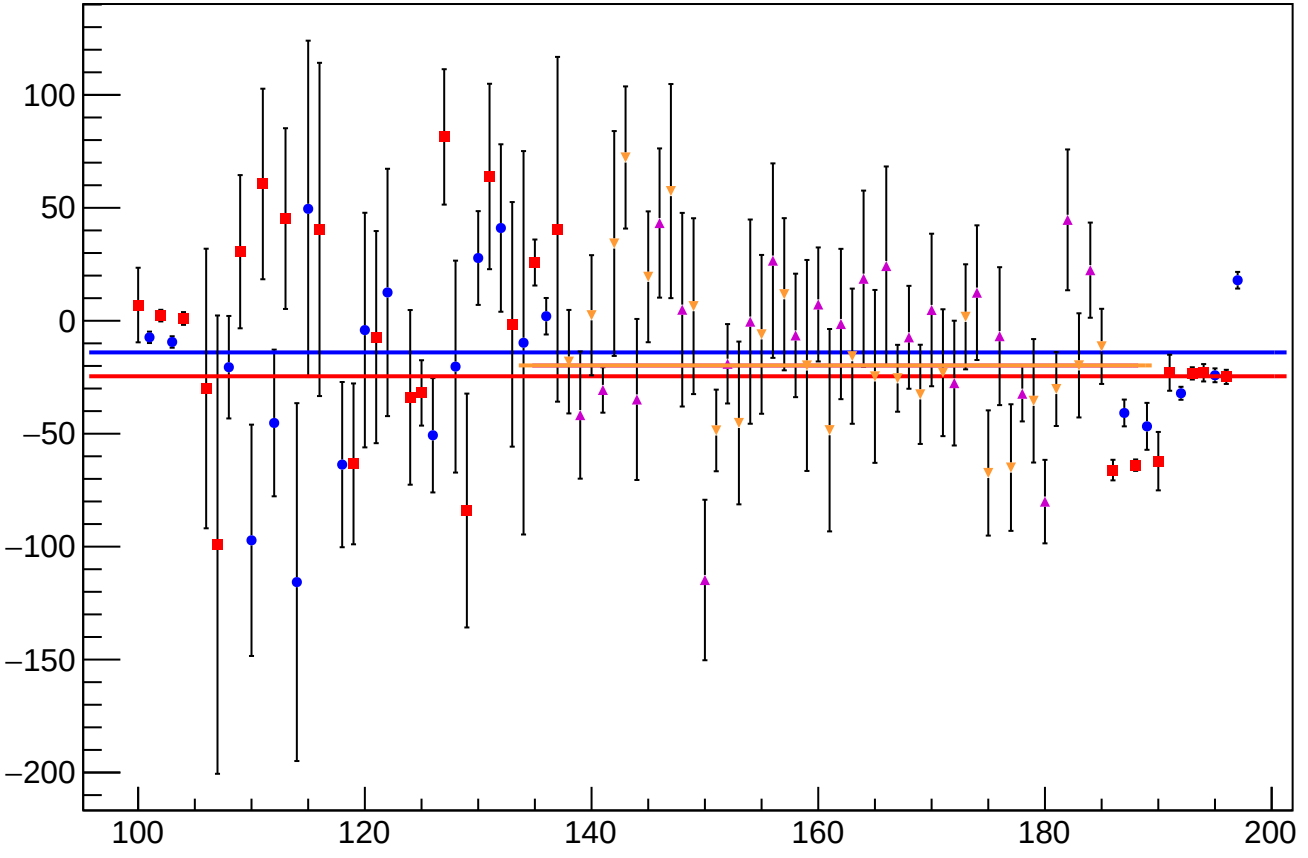
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 4057.434+/-0.991 χ^2/NDF: 31112667.9/45

All: 3775.835+/-0.656 χ^2/NDF: 62284120.2/9

- sign 3556.718+/-0.874 χ^2/NDF: 31027873.9/48

diff_bpm0l03Y_mean vs Slug



Right In: -14.007+/-1.216 χ^2/NDF: 186.7/20

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

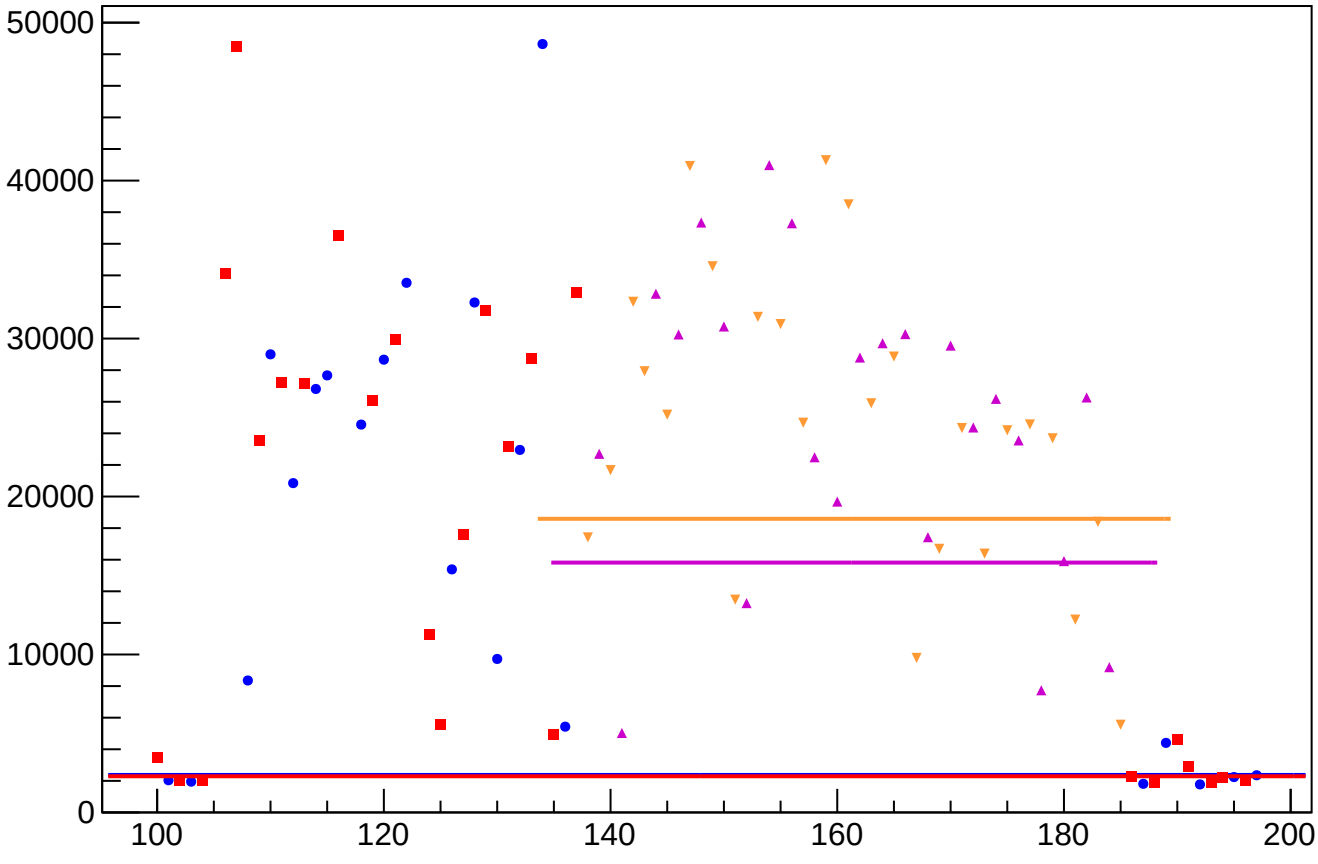
Right Out: -24.571+/-1.096 χ^2/NDF: 585.3/25

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -14.315+/-1.183 χ^2/NDF: 215.7/45

All: -19.834+/-0.793 χ^2/NDF: 881.8/94

- sign -24.340+/-1.069 χ^2/NDF: 626.5/48



Right In: 2373.822+/-0.860 χ^2/NDF: 7009271.5/20

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2290.959+/-0.775 χ^2/NDF: 8299621.8/25

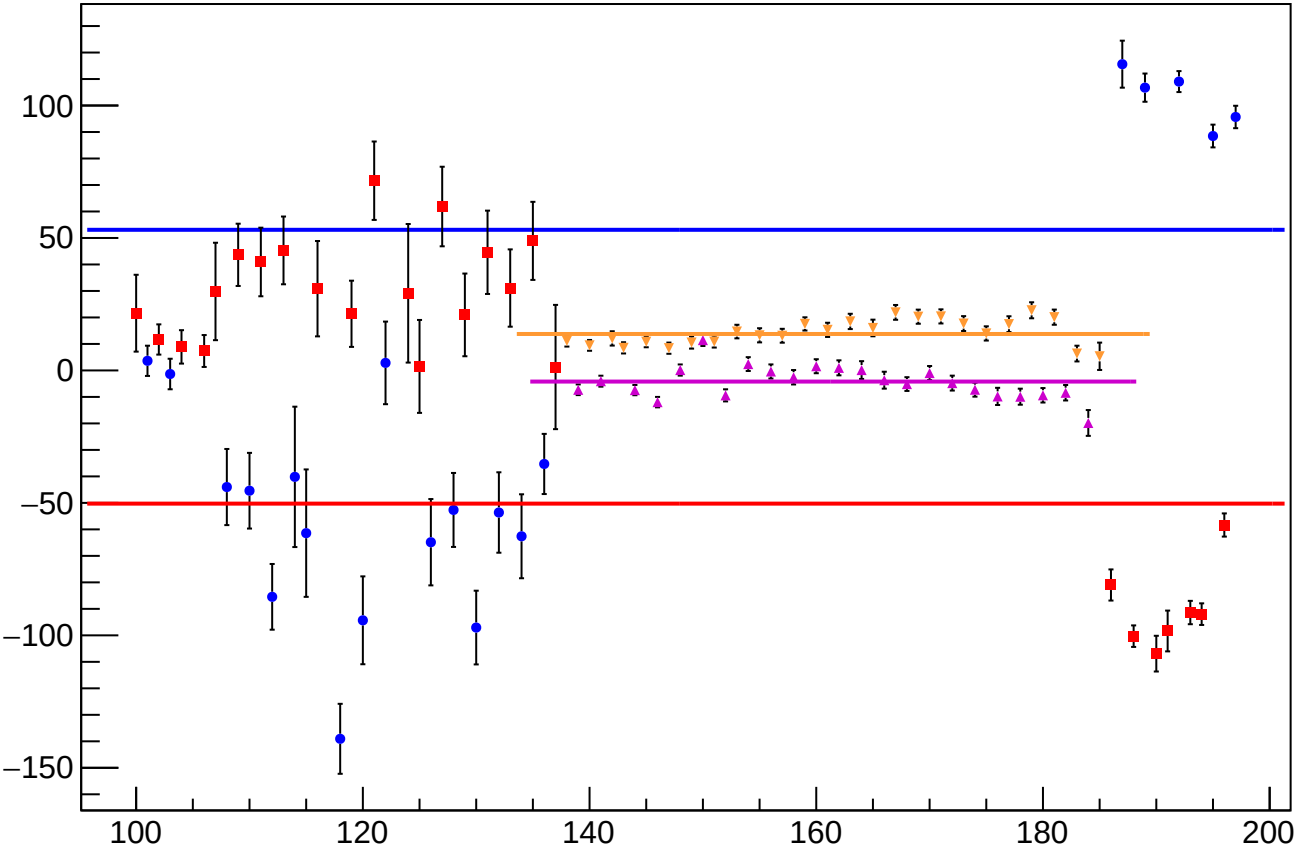
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 3240.441+/-0.836 χ^2/NDF: 31720672.8/45

All: 3079.979+/-0.561 χ^2/NDF: 63321336.7/9

- sign 2948.990+/-0.756 χ^2/NDF: 31533816.9/48

diff_bpm0l04X_mean vs Slug



Right In: 53.086+/-1.701 χ^2/NDF: 1628.1/20

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -50.276+/-1.499 χ^2/NDF: 1326.9/25

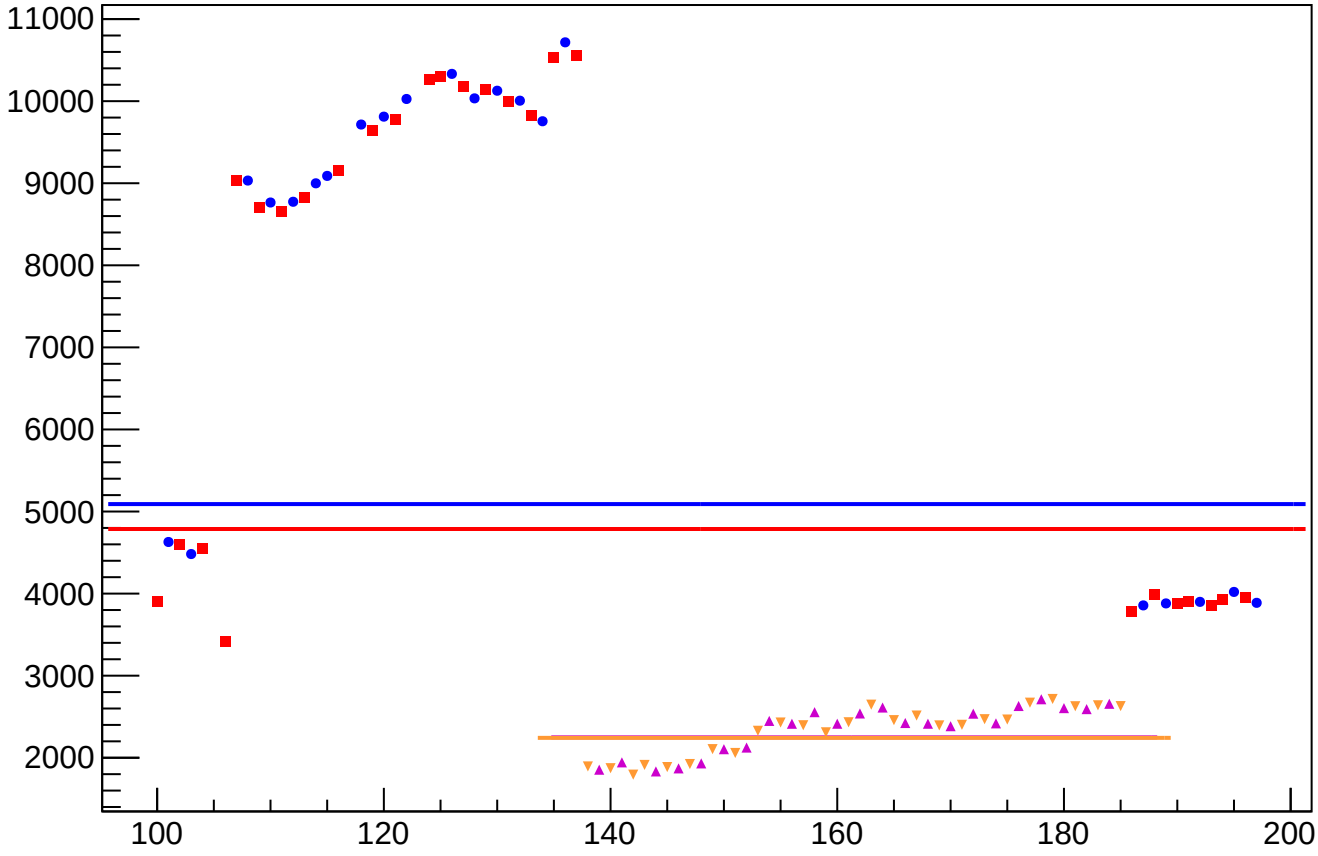
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 17.052+/-0.492 χ^2/NDF: 2195.3/45

All: 4.070+/-0.351 χ^2/NDF: 5900.3/94

- sign -9.323+/-0.500 χ^2/NDF: 2290.5/48

diff_bpm0l04X_rms vs Slug



Right In: 5090.676+/-1.203 χ^2/NDF: 3403831.3/20

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4787.141+/-1.060 χ^2/NDF: 3581228.4/25

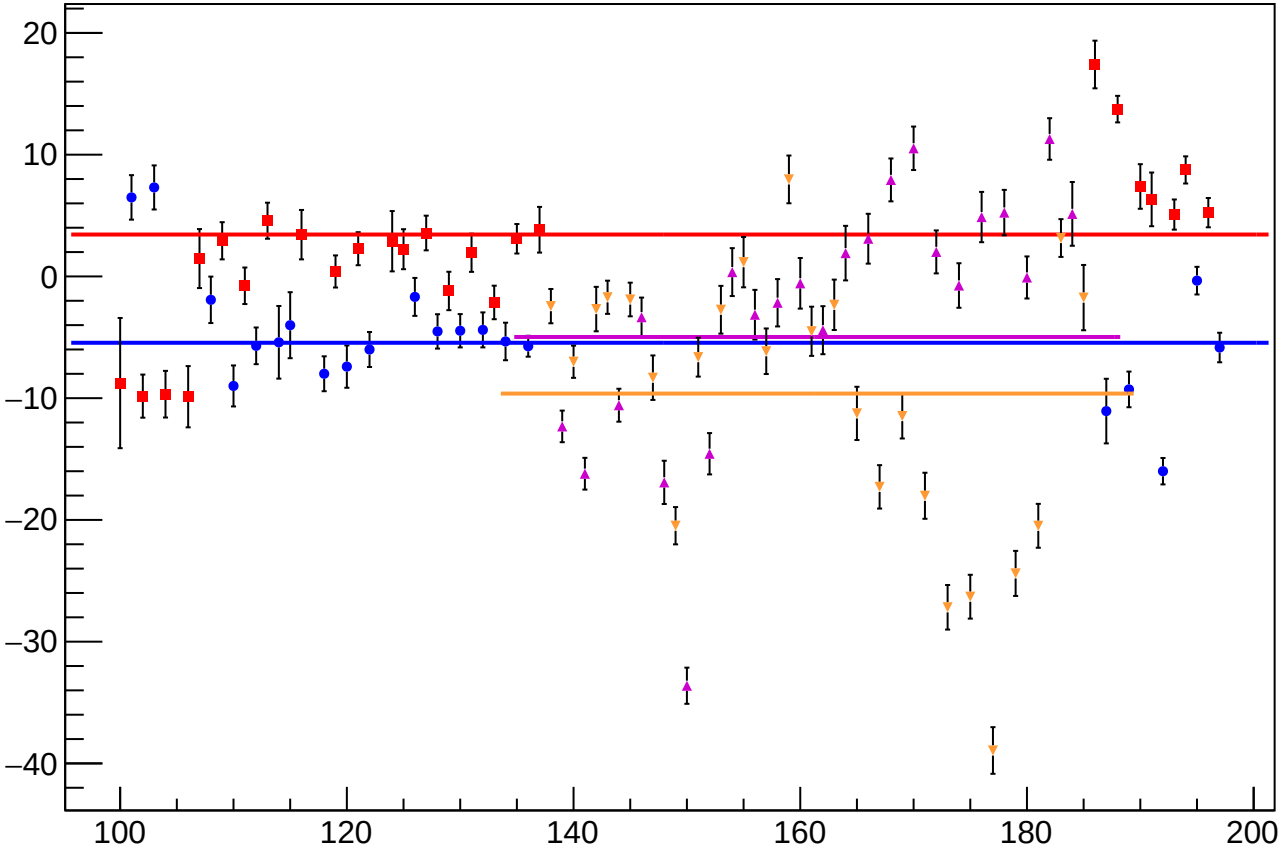
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2480.729+/-0.348 χ^2/NDF: 9201950.1/45

All: 2505.344+/-0.248 χ^2/NDF: 18534157.9/9

- sign 2530.738+/-0.353 χ^2/NDF: 9322037.8/48

diff_bpm0l04Y_mean vs Slug



Right In: -5.449+/-0.319 χ^2/NDF: 238.5/20

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 3.441+/-0.305 χ^2/NDF: 351.4/25

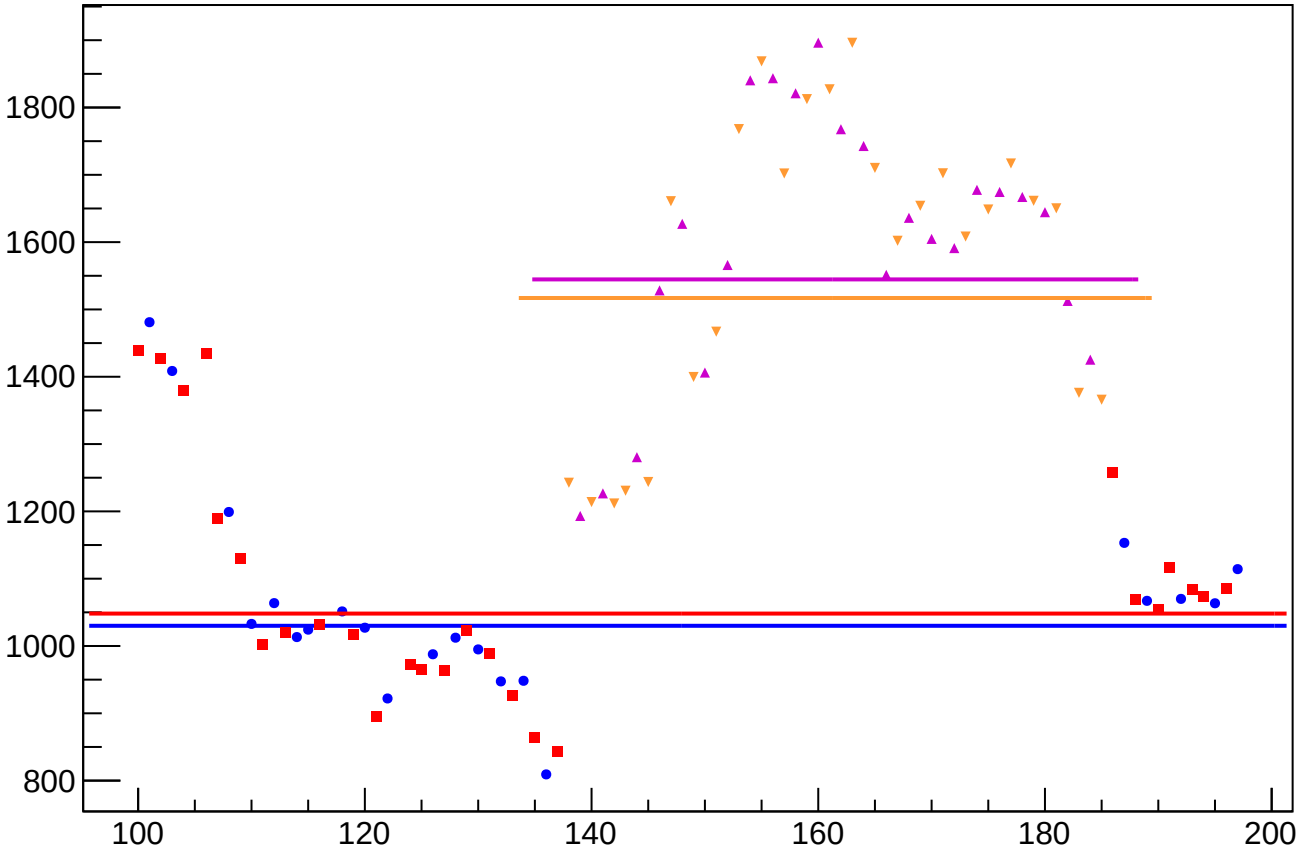
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.346+/-0.235 χ^2/NDF: 1250.7/45

All: -3.667+/-0.166 χ^2/NDF: 3331.0/94

- sign -0.028+/-0.234 χ^2/NDF: 1594.3/48

diff_bpm0l04Y_rms vs Slug



Right In: 1030.011+/-0.225 χ^2/NDF: 405156.3/20

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1048.162+/-0.216 χ^2/NDF: 383524.5/25

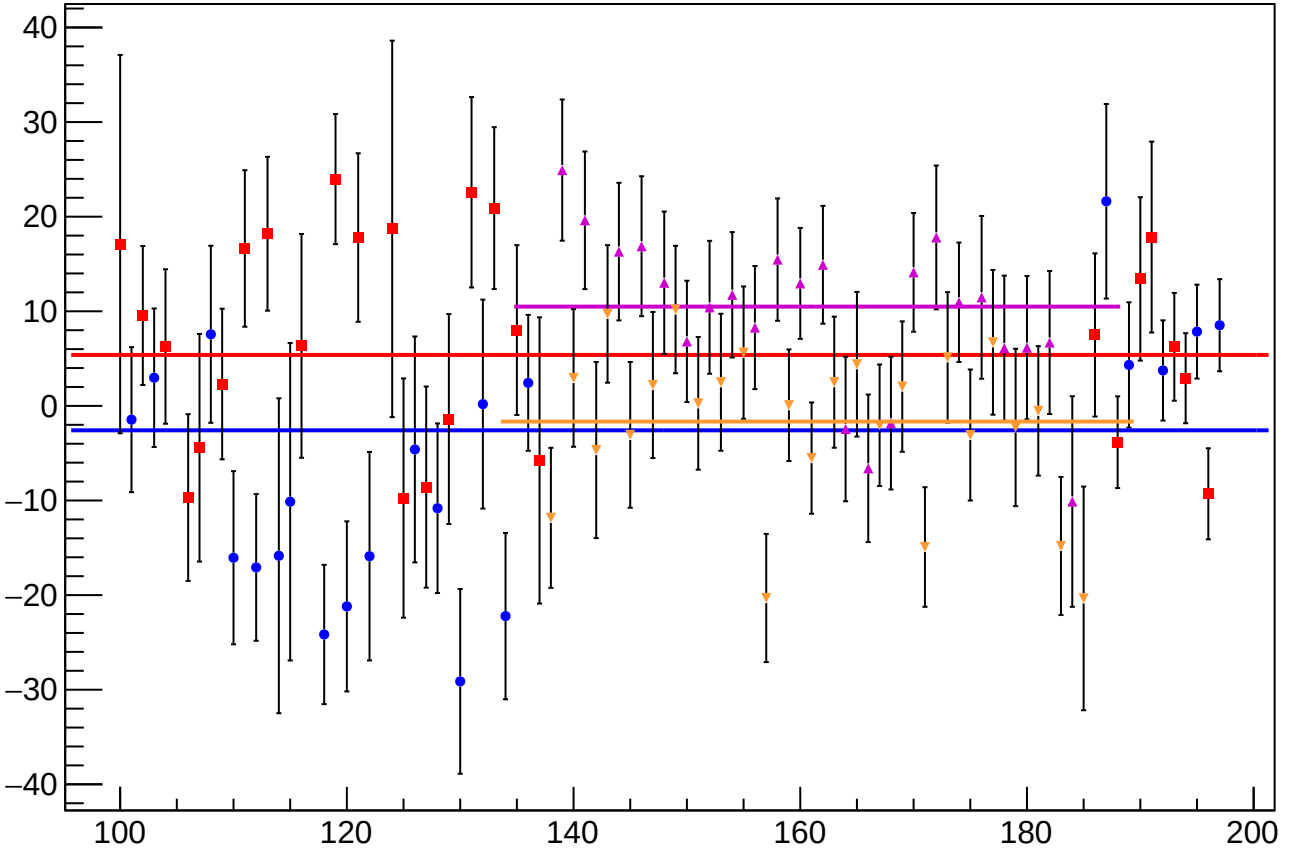
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1251.381+/-0.166 χ^2/NDF: 3360991.9/45

All: 1252.099+/-0.117 χ^2/NDF: 6562658.9/94

- sign 1252.810+/-0.166 χ^2/NDF: 3201630.0/48

diff_bpm0l05X_mean vs Slug



Right In: -2.583+/-1.707 χ^2/NDF: 54.1/20

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

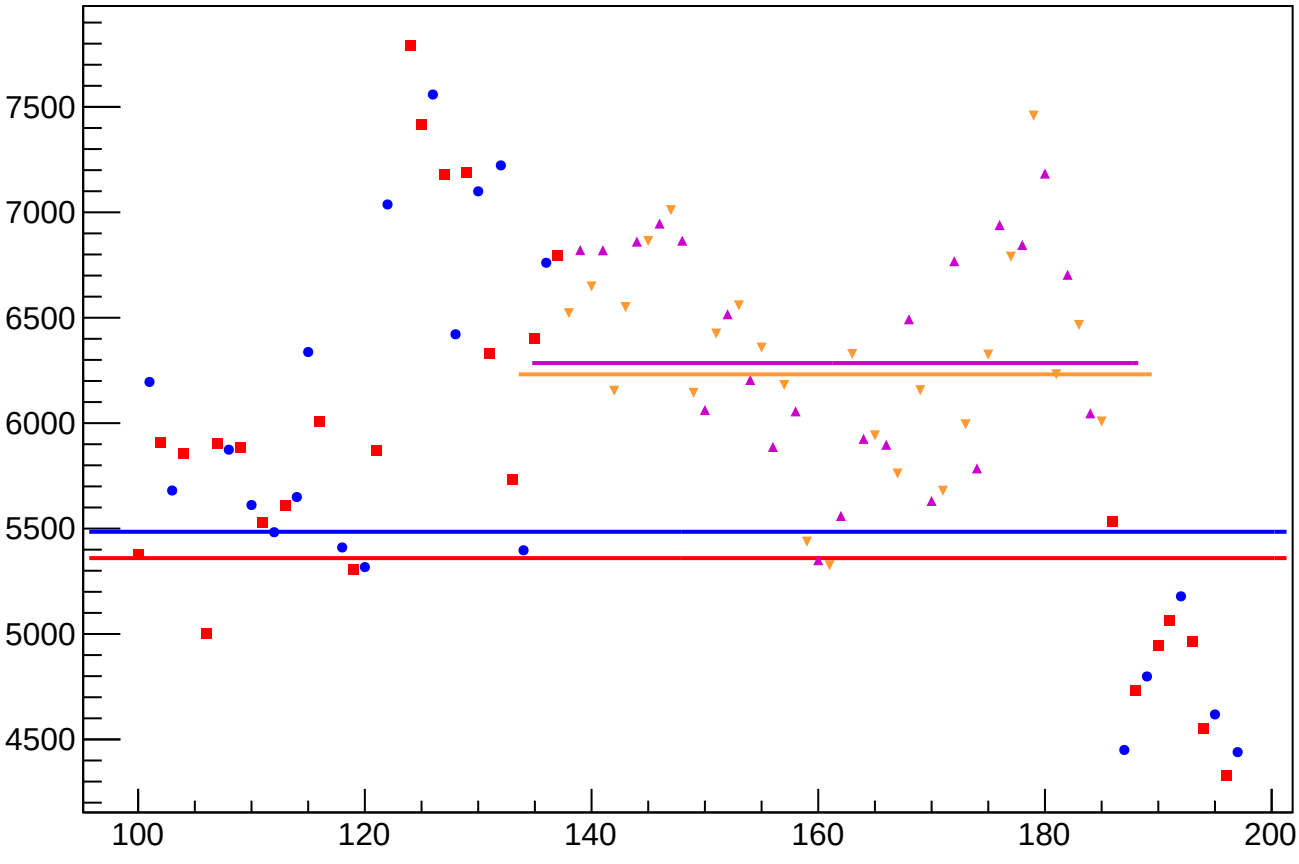
Right Out: 5.387+/-1.570 χ^2/NDF: 44.5/25

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -2.037+/-1.095 χ^2/NDF: 85.7/45

All: 3.110+/-0.768 χ^2/NDF: 204.3/94

- sign 8.091+/-1.077 χ^2/NDF: 75.0/48



Right In: 5484.813+/-1.207 χ^2/NDF: 519661.4/20

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5359.853+/-1.110 χ^2/NDF: 512468.3/25

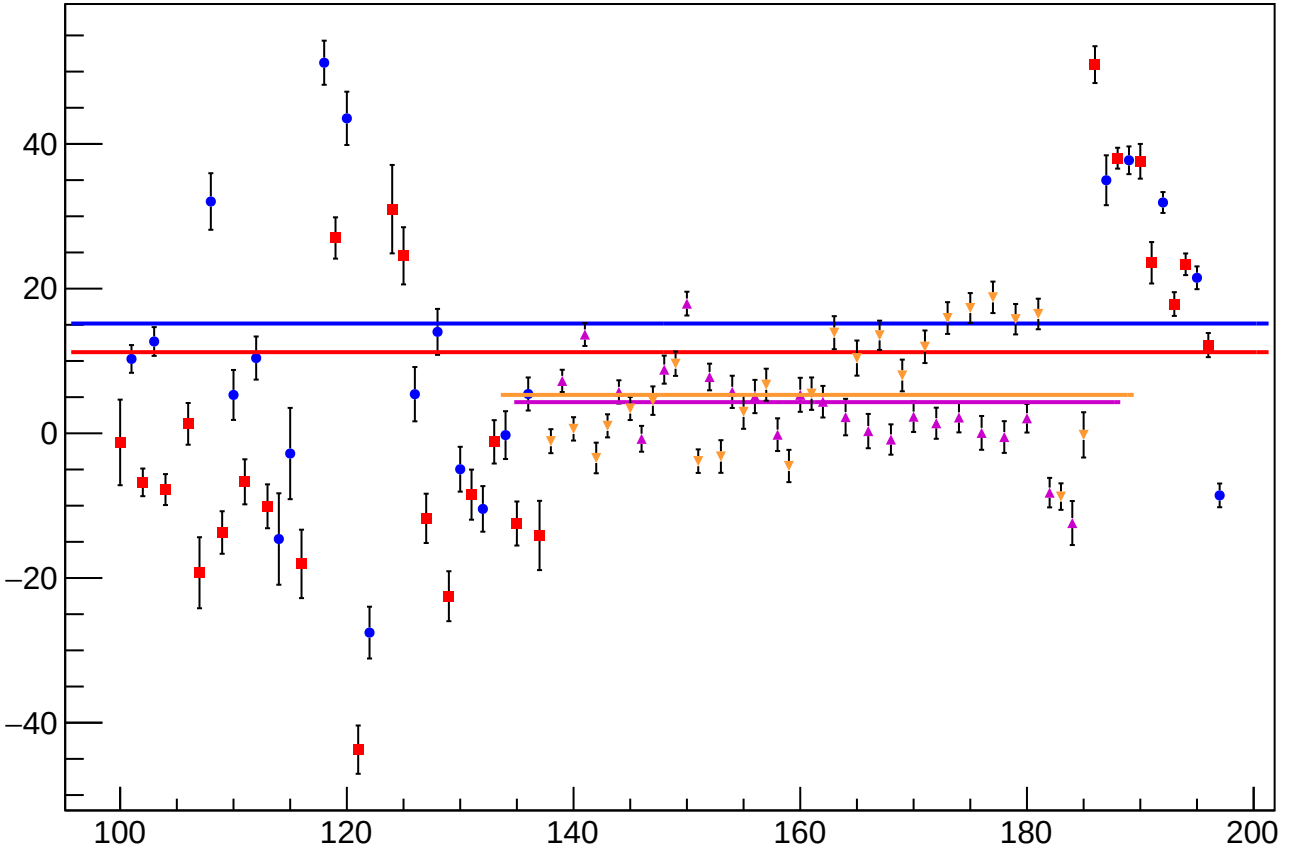
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5924.631+/-0.774 χ^2/NDF: 971965.4/45

All: 5886.612+/-0.543 χ^2/NDF: 2122372.1/94

- sign 5849.817+/-0.761 χ^2/NDF: 1145658.7/48

diff_bpm0l05Y_mean vs Slug



Right In: 15.177+/-0.545 χ^2/NDF: 1097.0/20

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 11.218+/-0.501 χ^2/NDF: 1829.0/25

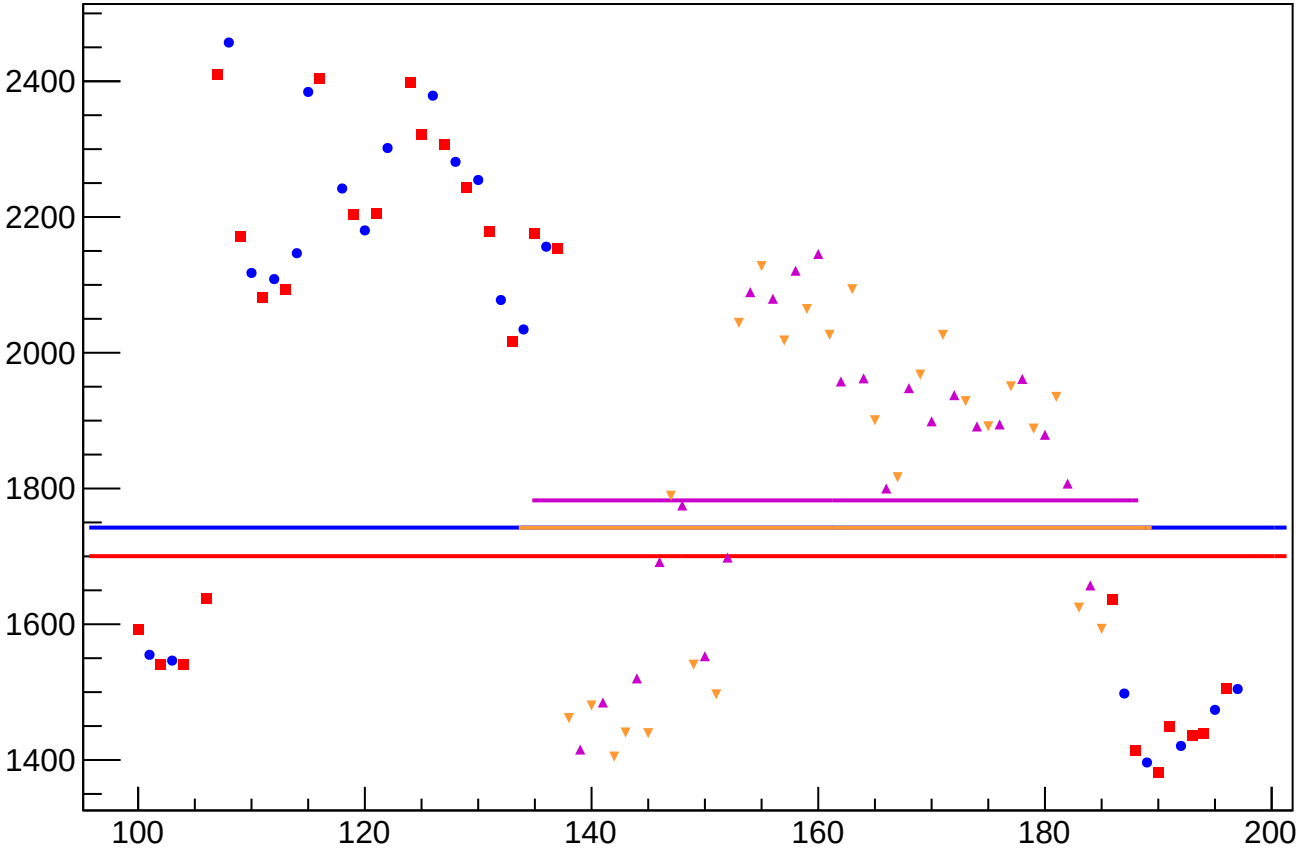
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 8.771+/-0.323 χ^2/NDF: 1687.9/45

All: 7.964+/-0.228 χ^2/NDF: 3861.4/94

\- sign 7.161+/-0.322 χ^2/NDF: 2161.0/48

diff_bpm0l05Y_rms vs Slug



Right In: 1742.427+/-0.385 χ^2/NDF: 867636.7/20

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1700.326+/-0.354 χ^2/NDF: 922349.0/25

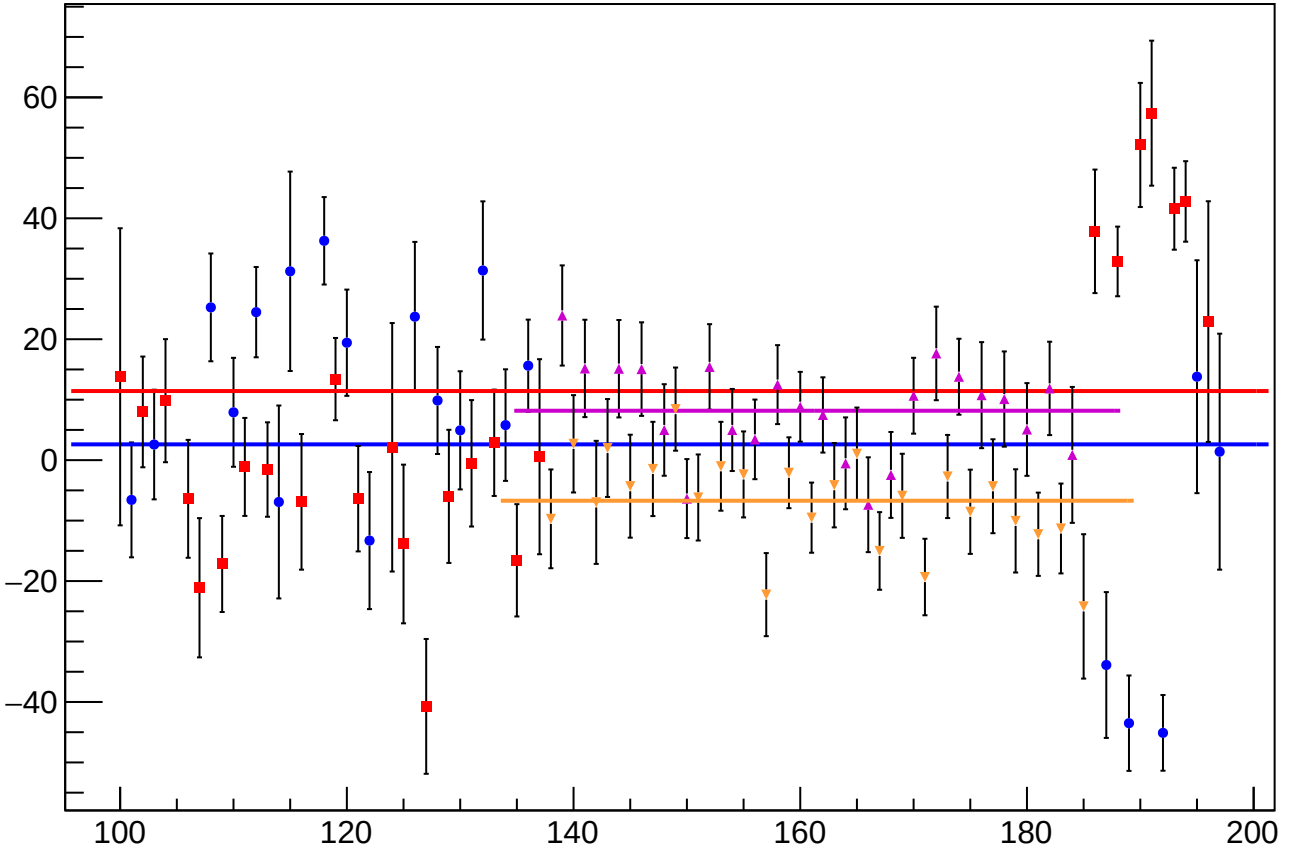
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1742.291+/-0.228 χ^2/NDF: 1635300.8/45

All: 1745.444+/-0.161 χ^2/NDF: 3123996.1/94

- sign 1748.583+/-0.228 χ^2/NDF: 1488314.1/48

diff_bpm0l06X_mean vs Slug



Right In: 2.611+/-2.069 χ^2/NDF: 161.7/20

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 11.429+/-1.837 χ^2/NDF: 169.9/25

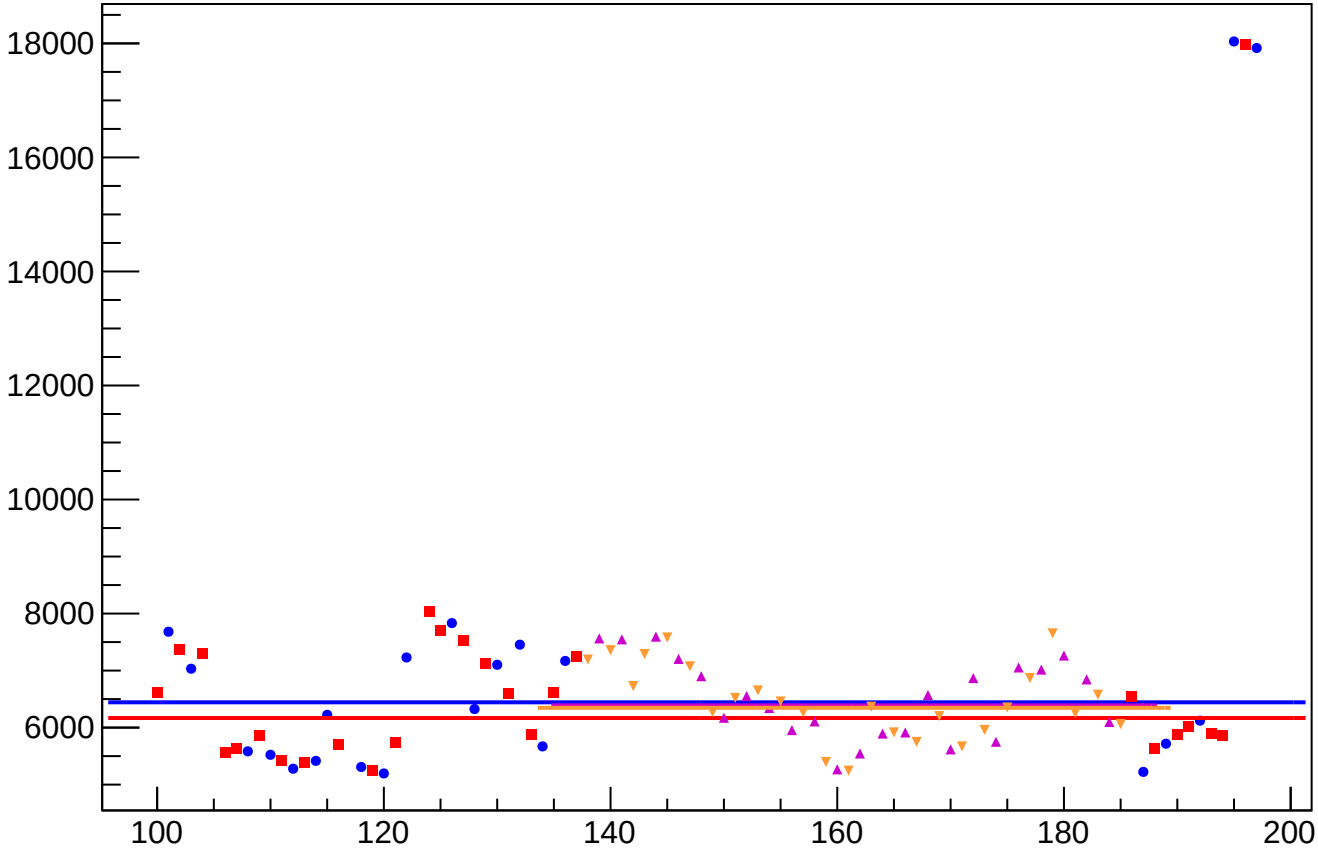
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.619+/-1.192 χ^2/NDF: 201.0/45

All: 3.073+/-0.834 χ^2/NDF: 458.7/94

- sign 9.485+/-1.166 χ^2/NDF: 196.0/48

diff_bpm0l06X_rms vs Slug



Right In: 6443.485+/-1.463 χ^2/NDF: 1779226.2/20

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6168.415+/-1.299 χ^2/NDF: 998106.1/25

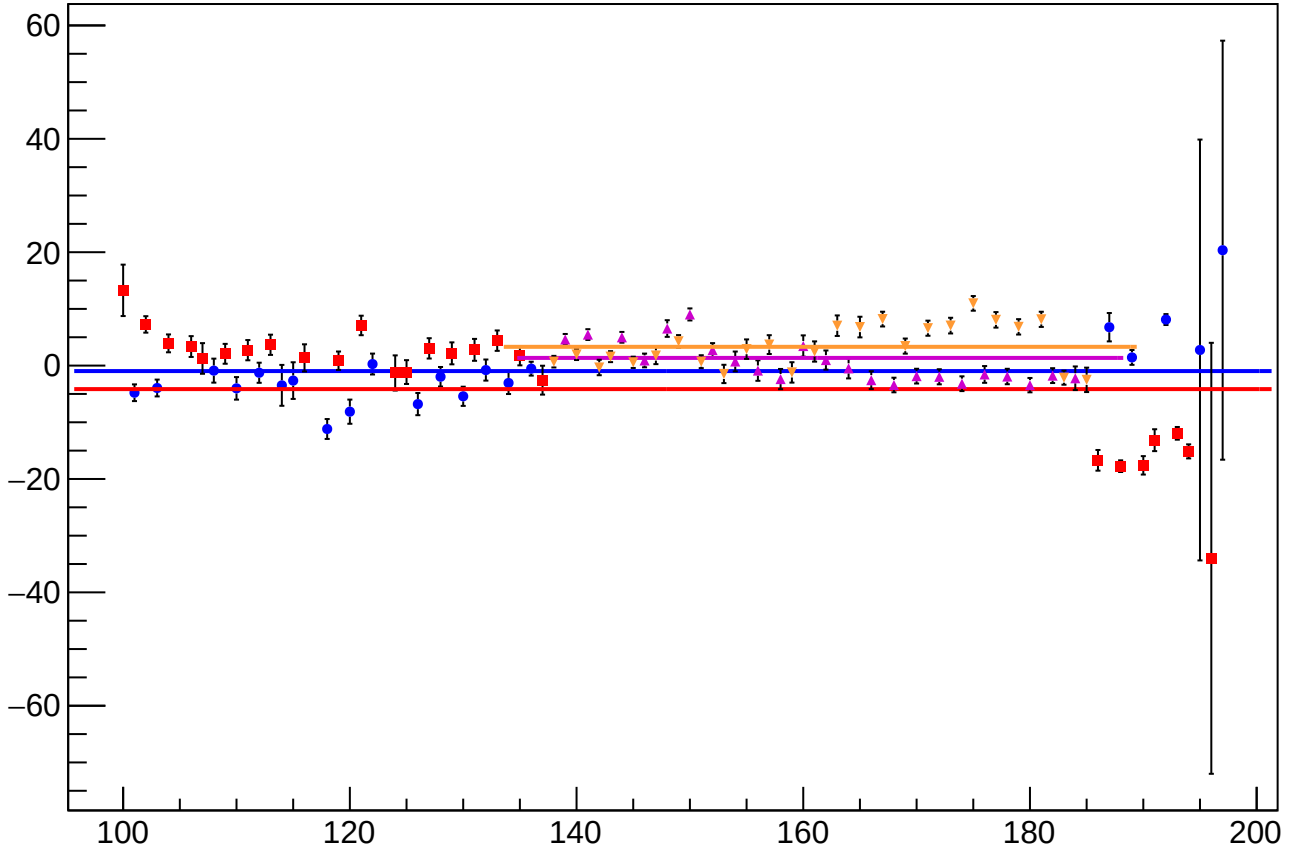
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6379.206+/-0.843 χ^2/NDF: 2168141.6/45

All: 6338.903+/-0.589 χ^2/NDF: 3607764.7/94

- sign 6300.289+/-0.825 χ^2/NDF: 1435143.3/48

diff_bpm0l06Y_mean vs Slug



Right In: -0.967+/-0.386 χ^2/NDF: 179.2/20

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -4.148+/-0.342 χ^2/NDF: 745.0/25

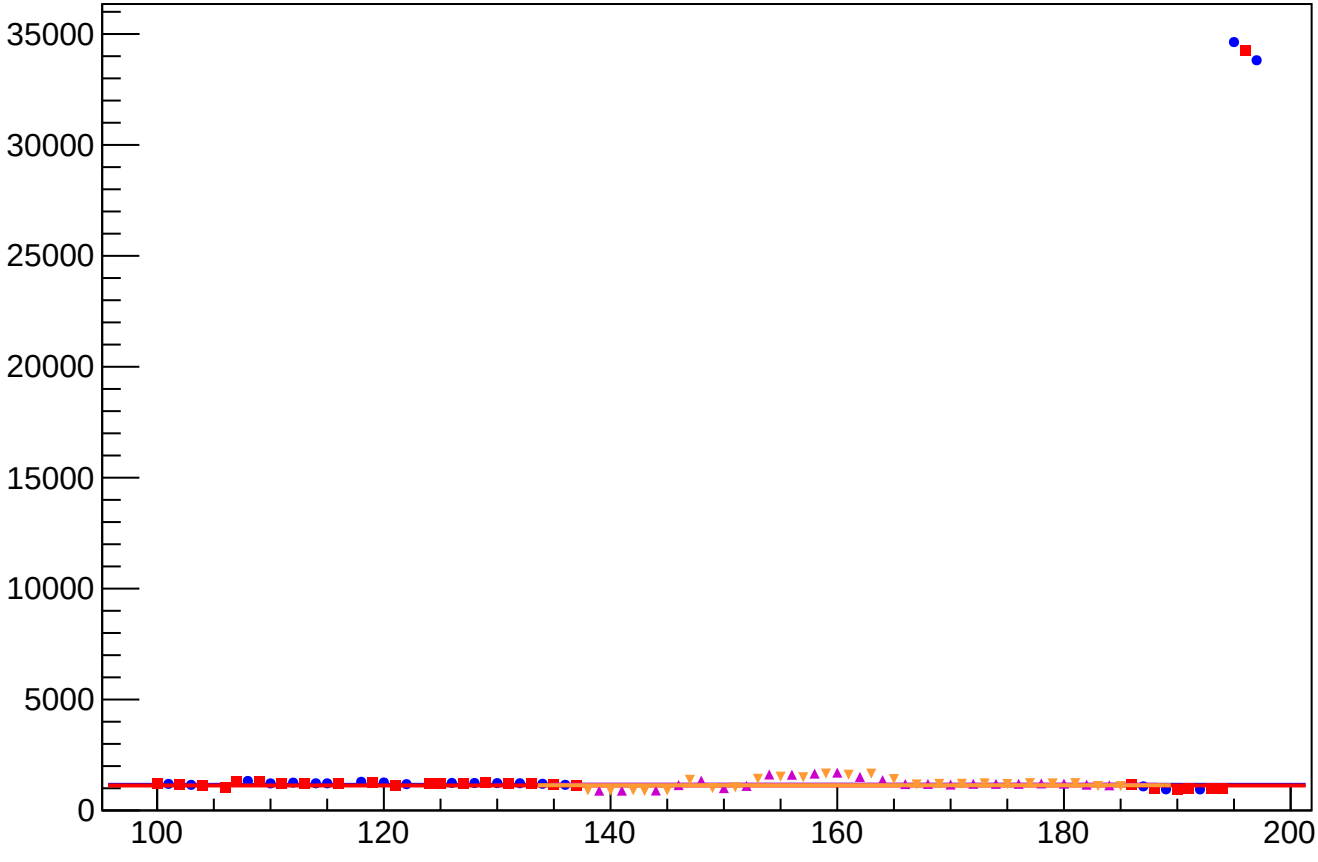
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.945+/-0.218 χ^2/NDF: 440.7/45

All: 0.542+/-0.153 χ^2/NDF: 1620.0/94

- sign -0.821+/-0.215 χ^2/NDF: 1097.7/48

diff_bpm0l06Y_rms vs Slug



Right In: 1154.912+/-0.273 χ^2/NDF: 3390303.3/20

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

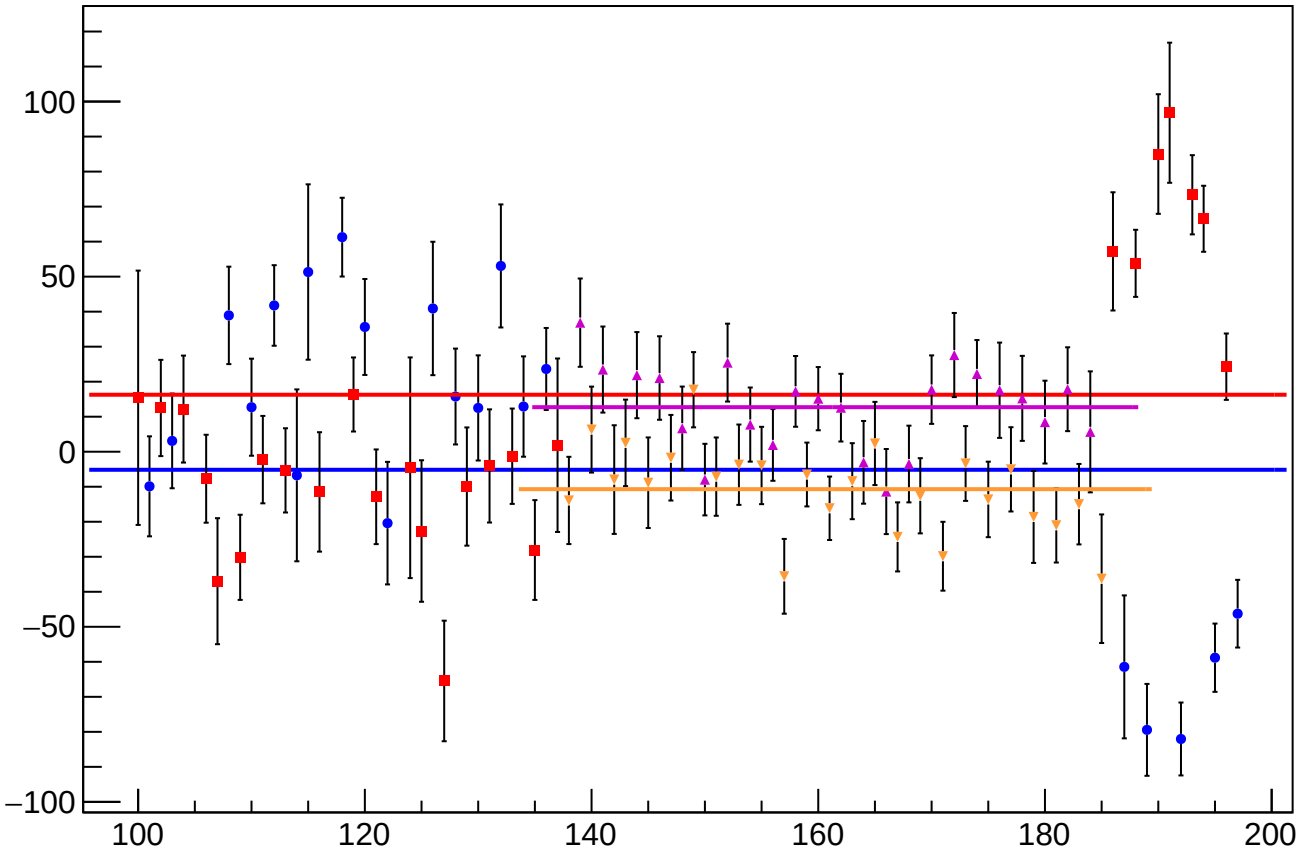
Right Out: 1125.921+/-0.242 χ^2/NDF: 1737411.0/25

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1142.823+/-0.154 χ^2/NDF: 4862871.3/45

All: 1144.525+/-0.108 χ^2/NDF: 7871918.7/94

- sign 1146.181+/-0.152 χ^2/NDF: 3008807.2/48



Right In: -5.158+/-2.953 χ^2/NDF: 249.2/20

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

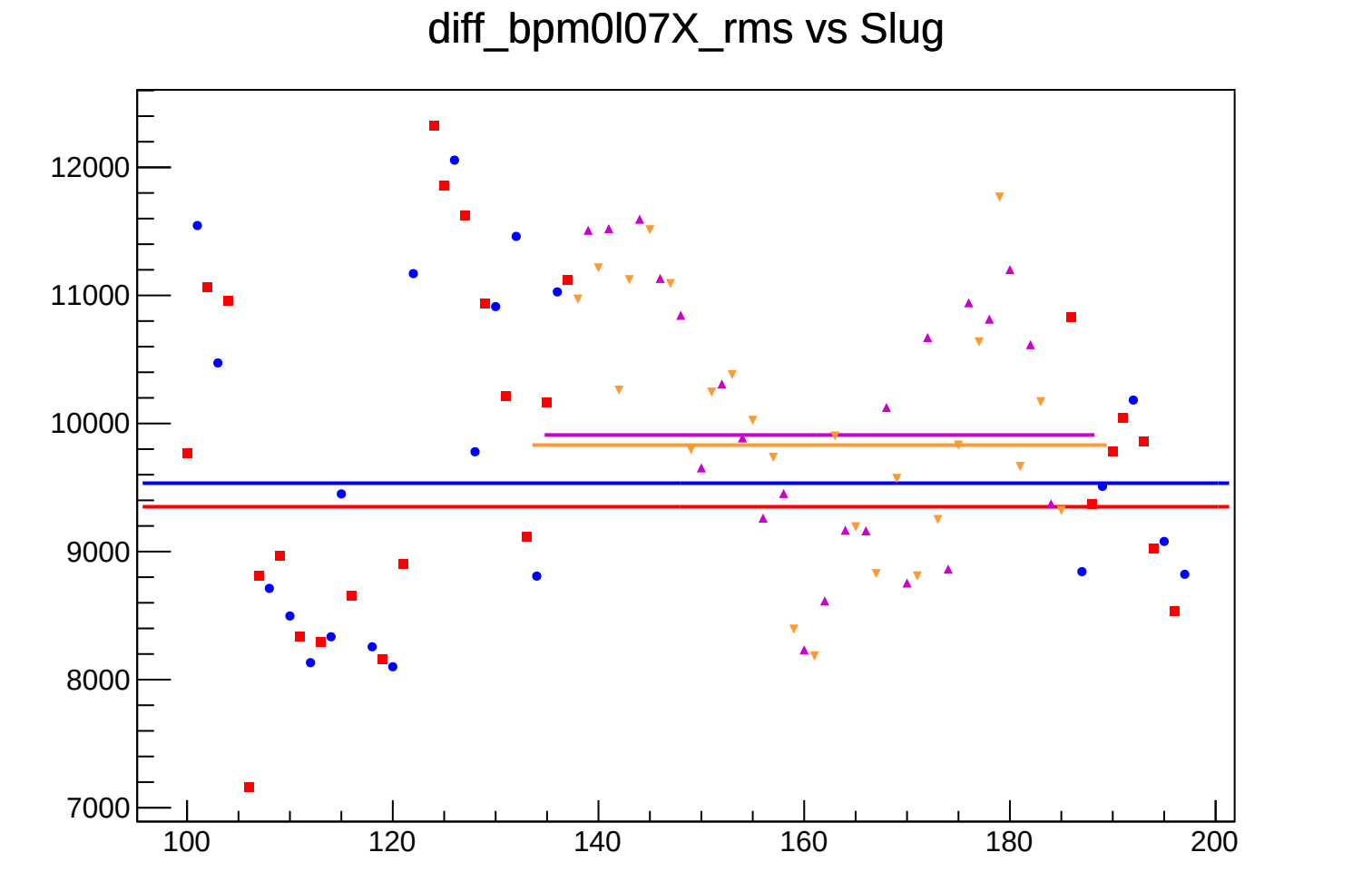
Right Out: 16.274+/-2.728 χ^2/NDF: 190.5/25

Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

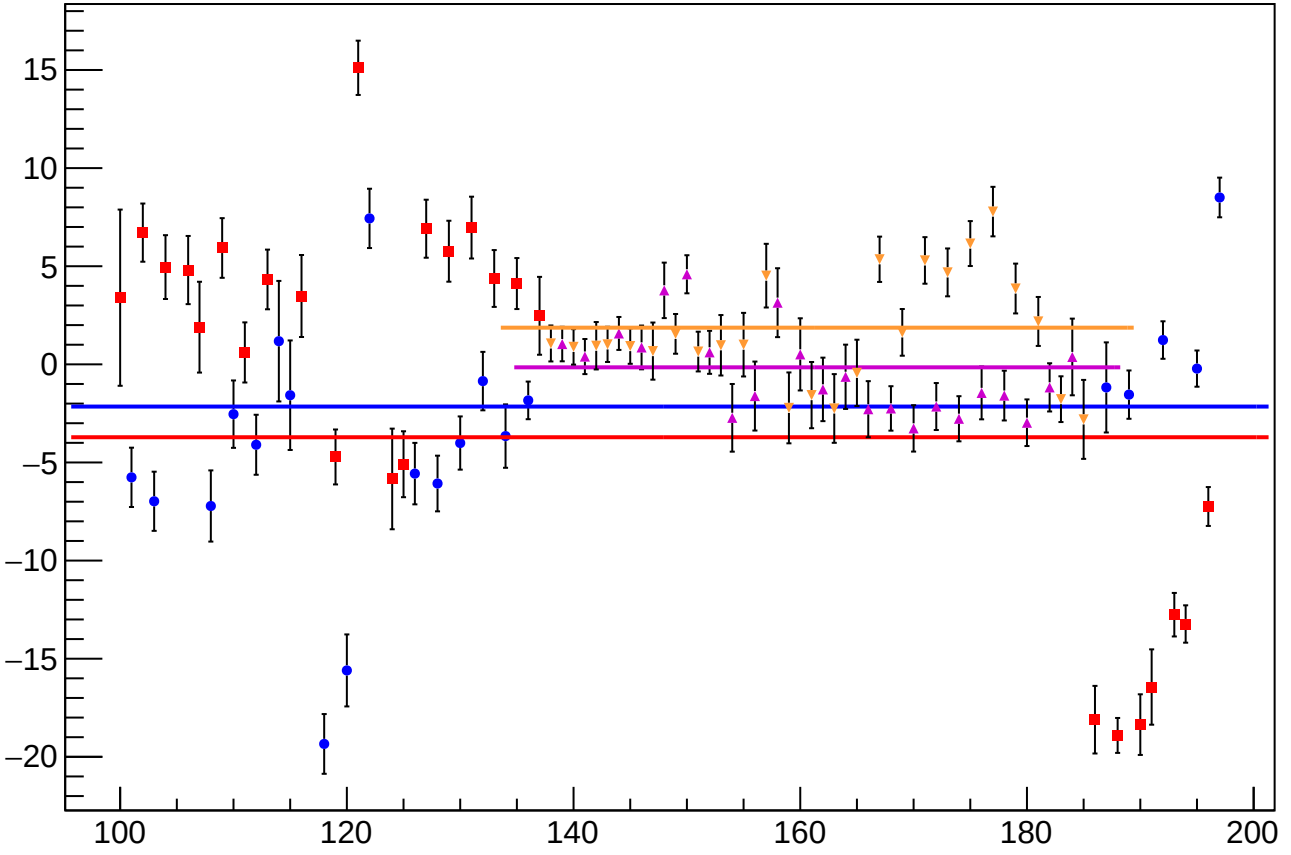
+ sign -8.654+/-1.793 χ^2/NDF: 280.1/45

All: 2.895+/-1.262 χ^2/NDF: 577.8/94

- sign 14.226+/-1.777 χ^2/NDF: 215.5/48


diff_bpm0l07X_rms vs Slug
12000
11000
10000
9000
8000
7000
100
120
140
160
180
200
Right In: 9533.941+/-2.088 χ²/NDF: 306696.9/20
Left Out: 9831.301+/-1.596 χ²/NDF:356125.1/24
Right Out: 9349.765+/-1.929 χ²/NDF: 342121.8/25
Left In: 9910.300+/-1.655 χ²/NDF:389368.1/22
+ sign 9721.657+/-1.268 χ²/NDF: 675620.0/45
All: 9696.896+/-0.892 χ²/NDF: 1456495.5/94
- sign 9672.600+/-1.256 χ²/NDF: 780120.2/48

diff_bpm0l07Y_mean vs Slug



Right In: -2.151+/-0.304 χ^2/NDF: 392.6/20

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -3.714+/-0.285 χ^2/NDF: 1271.8/25

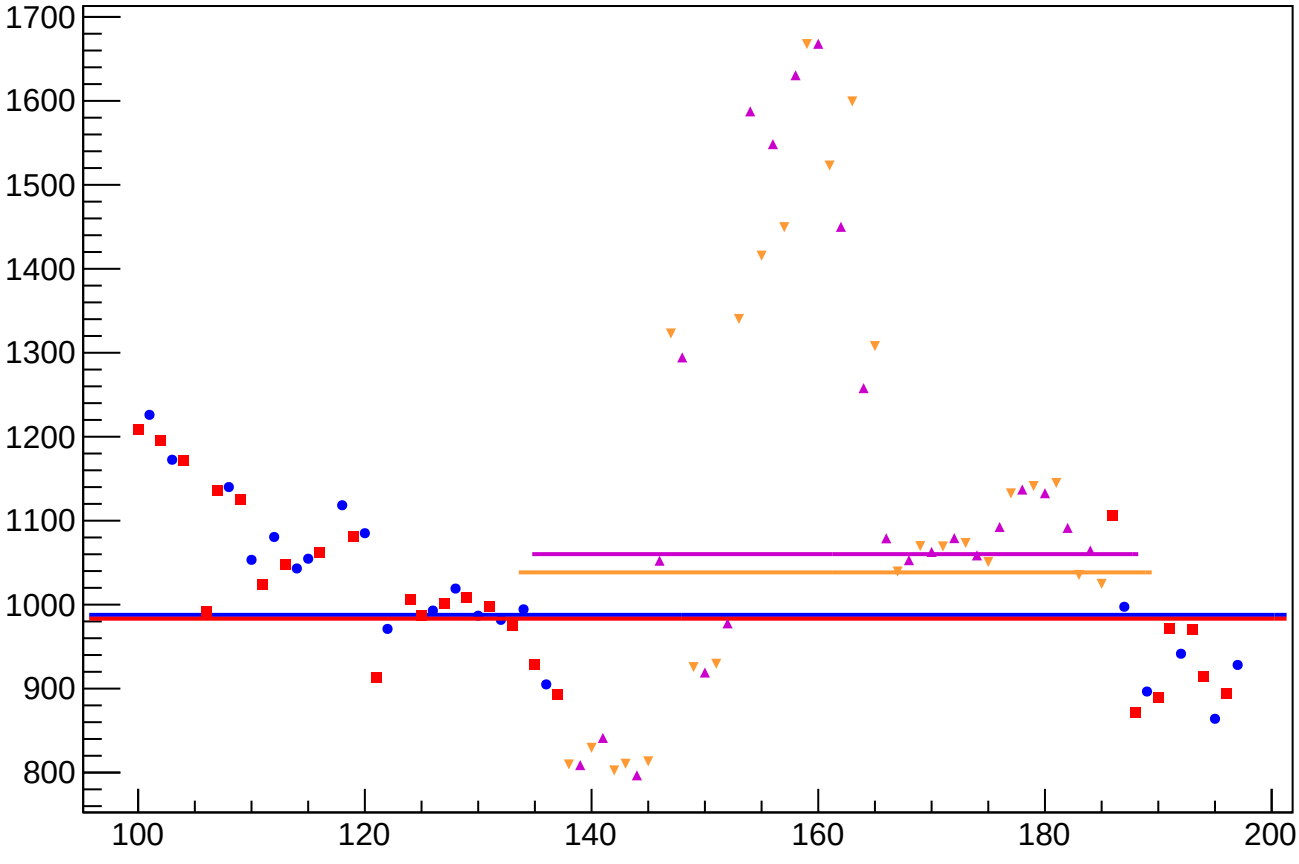
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.305+/-0.190 χ^2/NDF: 602.6/45

All: -0.711+/-0.134 χ^2/NDF: 2094.4/94

- sign -1.730+/-0.190 χ^2/NDF: 1434.3/48

diff_bpm0l07Y_rms vs Slug



Right In: 987.832+/-0.215 χ^2/NDF: 201119.5/20

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 983.266+/-0.202 χ^2/NDF: 206730.6/25

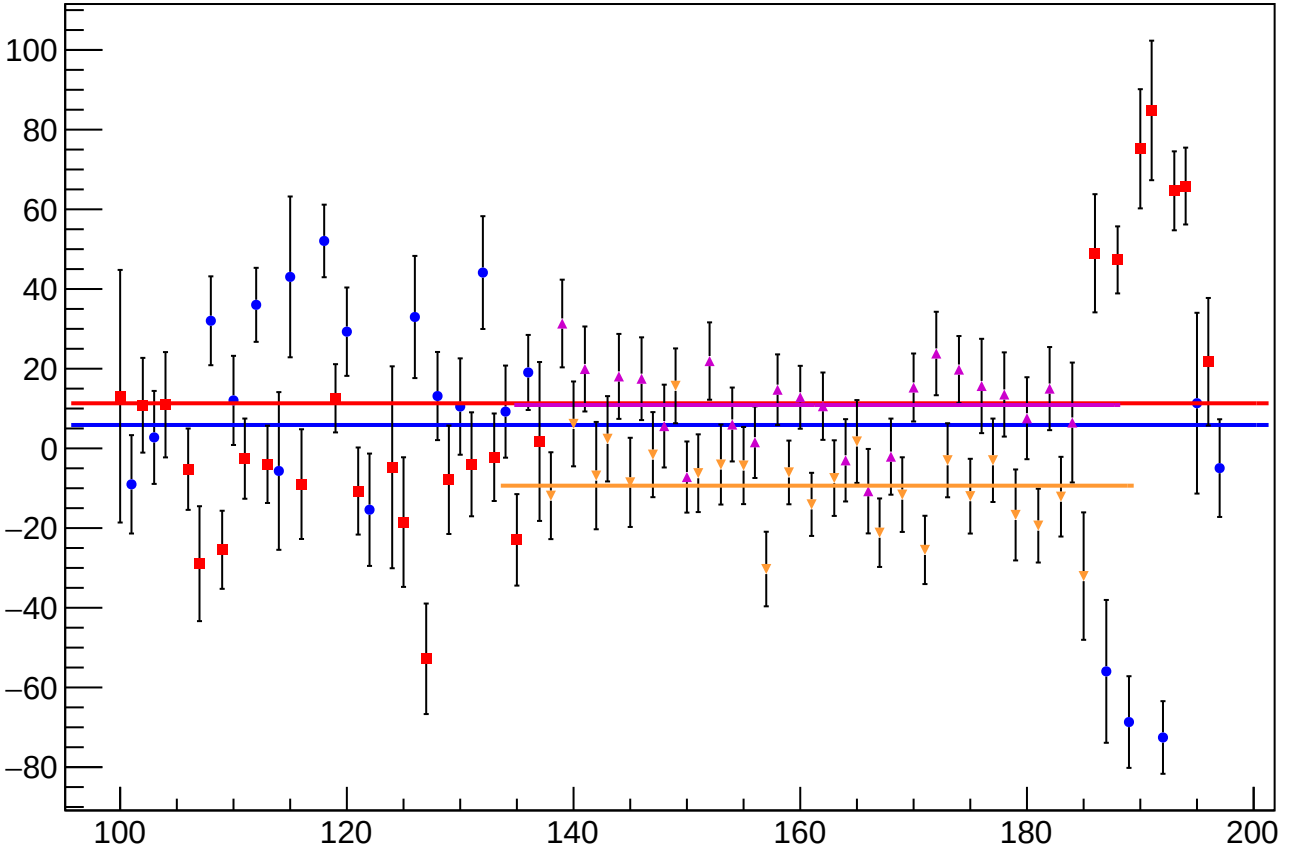
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1018.728+/-0.134 χ^2/NDF: 1941607.0/45

All: 1022.406+/-0.095 χ^2/NDF: 3753968.9/94

- sign 1026.093+/-0.134 χ^2/NDF: 1810856.1/48

diff_bpm0l08X_mean vs Slug



Right In: 5.877+/-2.617 χ^2/NDF: 195.9/20

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 11.320+/-2.371 χ^2/NDF: 196.3/25

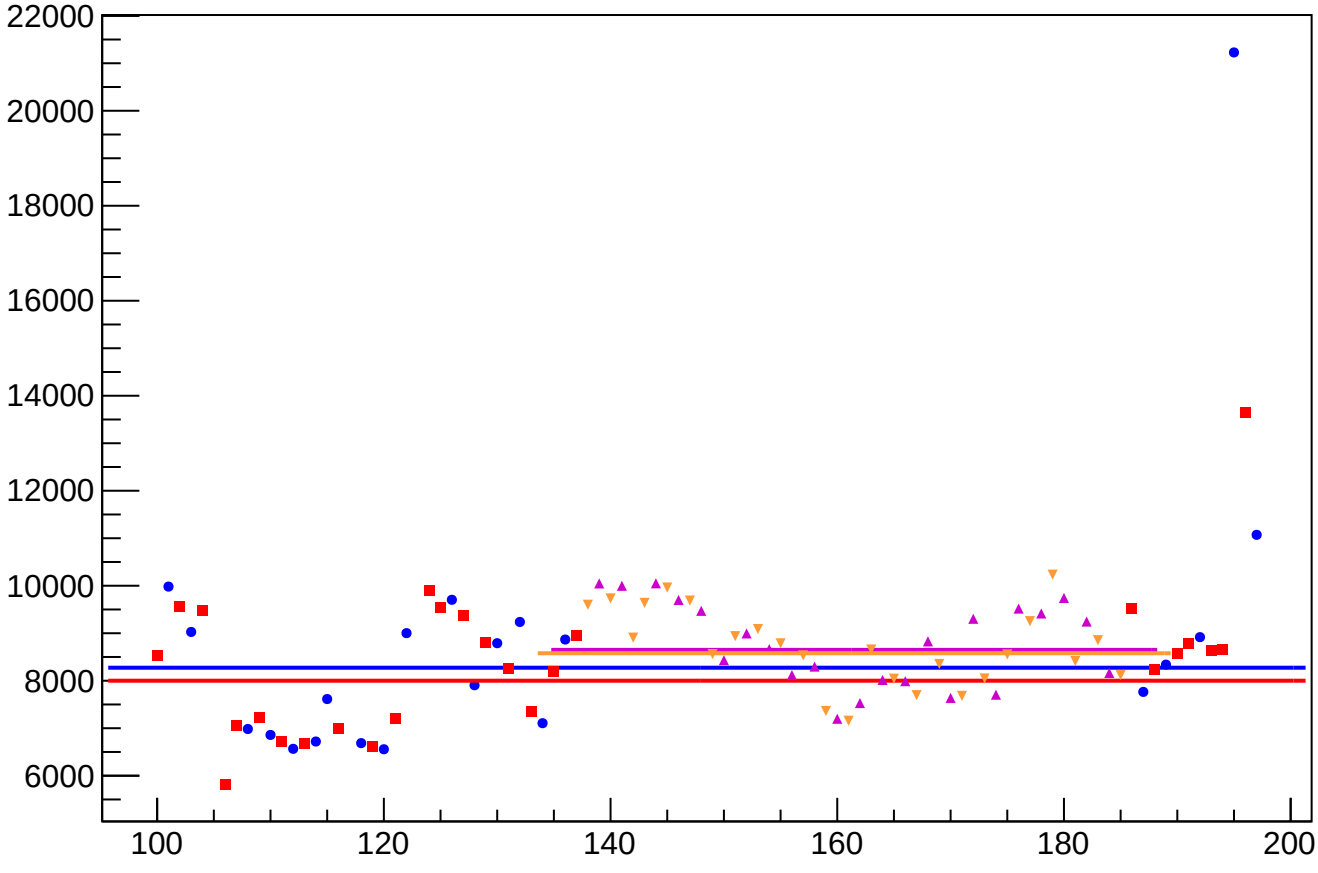
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.847+/-1.573 χ^2/NDF: 246.0/45

All: 3.737+/-1.103 χ^2/NDF: 511.6/94

- sign 11.074+/-1.548 χ^2/NDF: 219.9/48

diff_bpm0l08X_rms vs Slug



Right In: 8274.008+/-1.850 χ^2/NDF: 1130260.1/20

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8000.600+/-1.677 χ^2/NDF: 680074.3/25

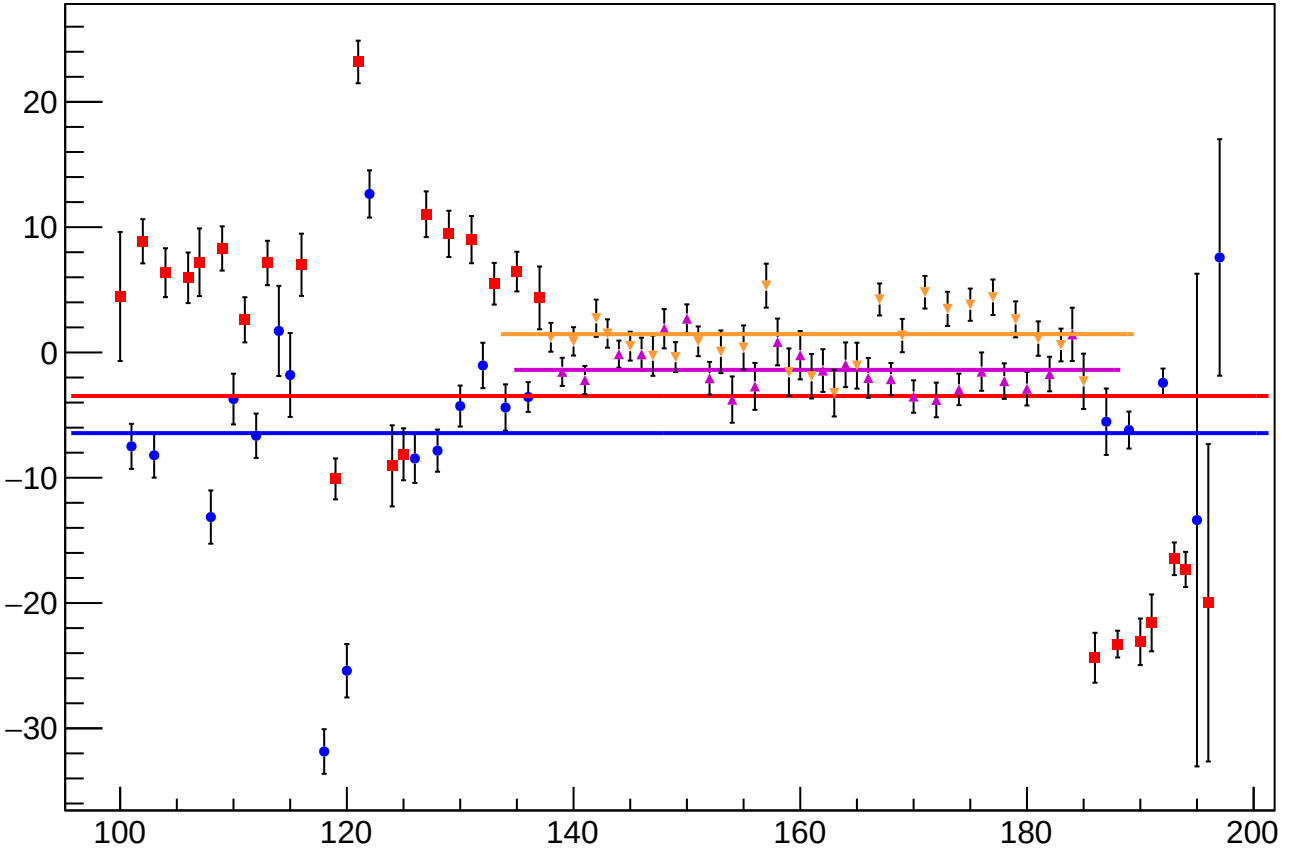
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8468.330+/-1.113 χ^2/NDF: 1491261.0/45

All: 8419.850+/-0.780 χ^2/NDF: 2638915.5/94

- sign 8372.950+/-1.094 χ^2/NDF: 1143918.7/48

diff_bpm0l08Y_mean vs Slug



Right In: -6.438+/-0.406 χ^2/NDF: 439.8/20

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.476+/-0.361 χ^2/NDF: 1555.9/25

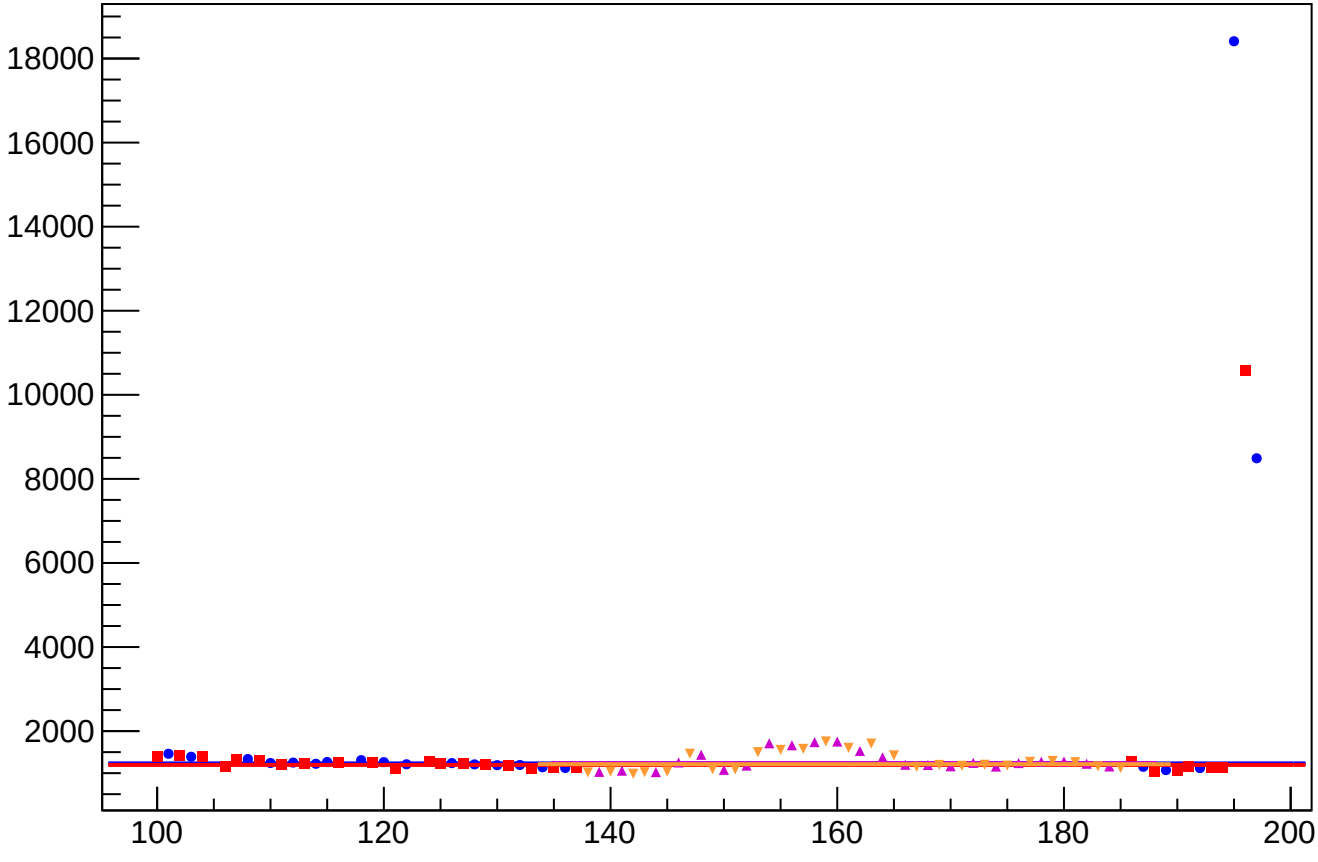
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.092+/-0.231 χ^2/NDF: 747.0/45

All: -1.664+/-0.162 χ^2/NDF: 2370.7/94

- sign -2.223+/-0.228 χ^2/NDF: 1611.5/48

diff_bpm0l08Y_rms vs Slug



Right In: 1231.563+/-0.287 χ^2/NDF: 2834790.1/20

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1195.977+/-0.255 χ^2/NDF: 1249970.1/25

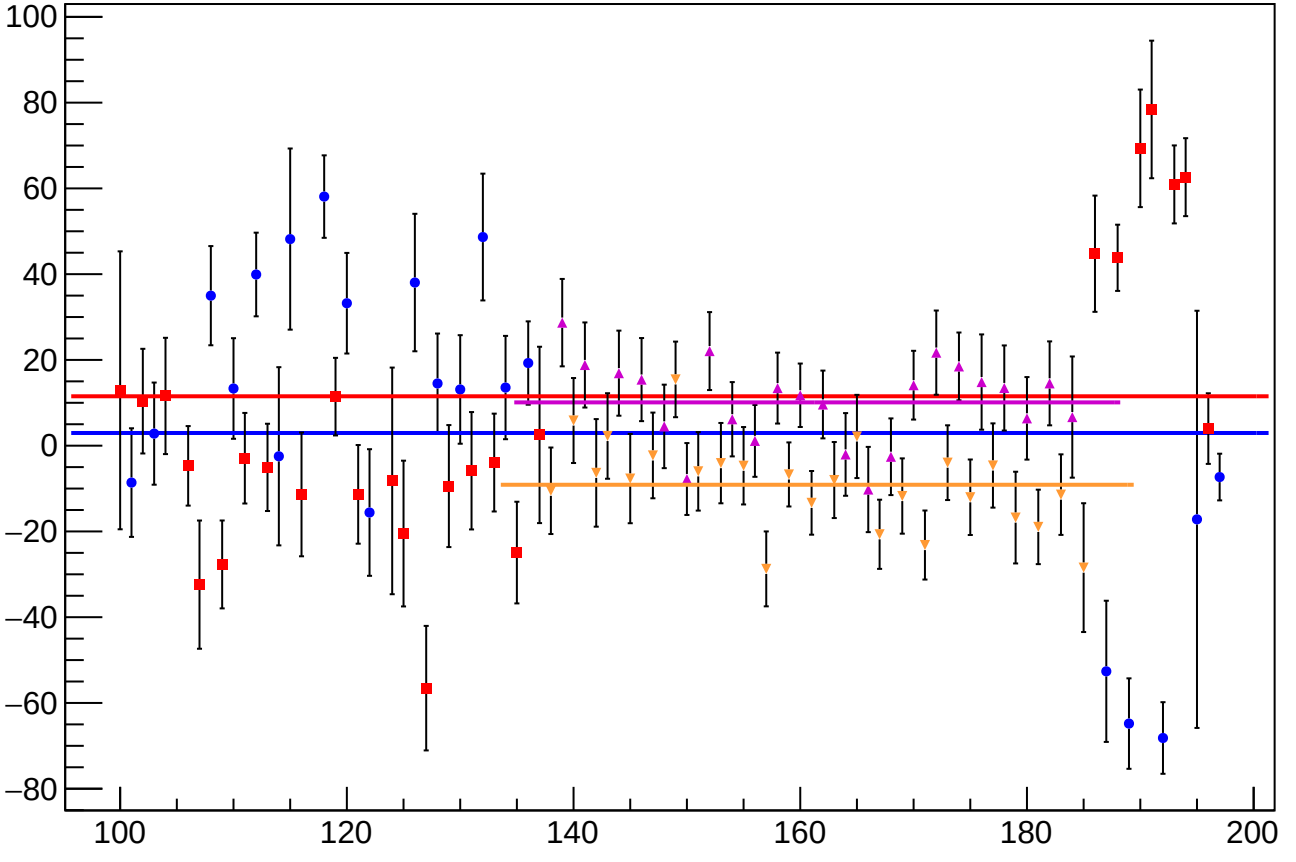
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1219.177+/-0.163 χ^2/NDF: 3850303.9/45

All: 1220.570+/-0.115 χ^2/NDF: 6003218.2/94

- sign 1221.930+/-0.161 χ^2/NDF: 2152770.2/48

diff_bpm0l09X_mean vs Slug



Right In: 2.960+/-2.451 χ^2/NDF: 217.9/20

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 11.520+/-2.298 χ^2/NDF: 199.3/25

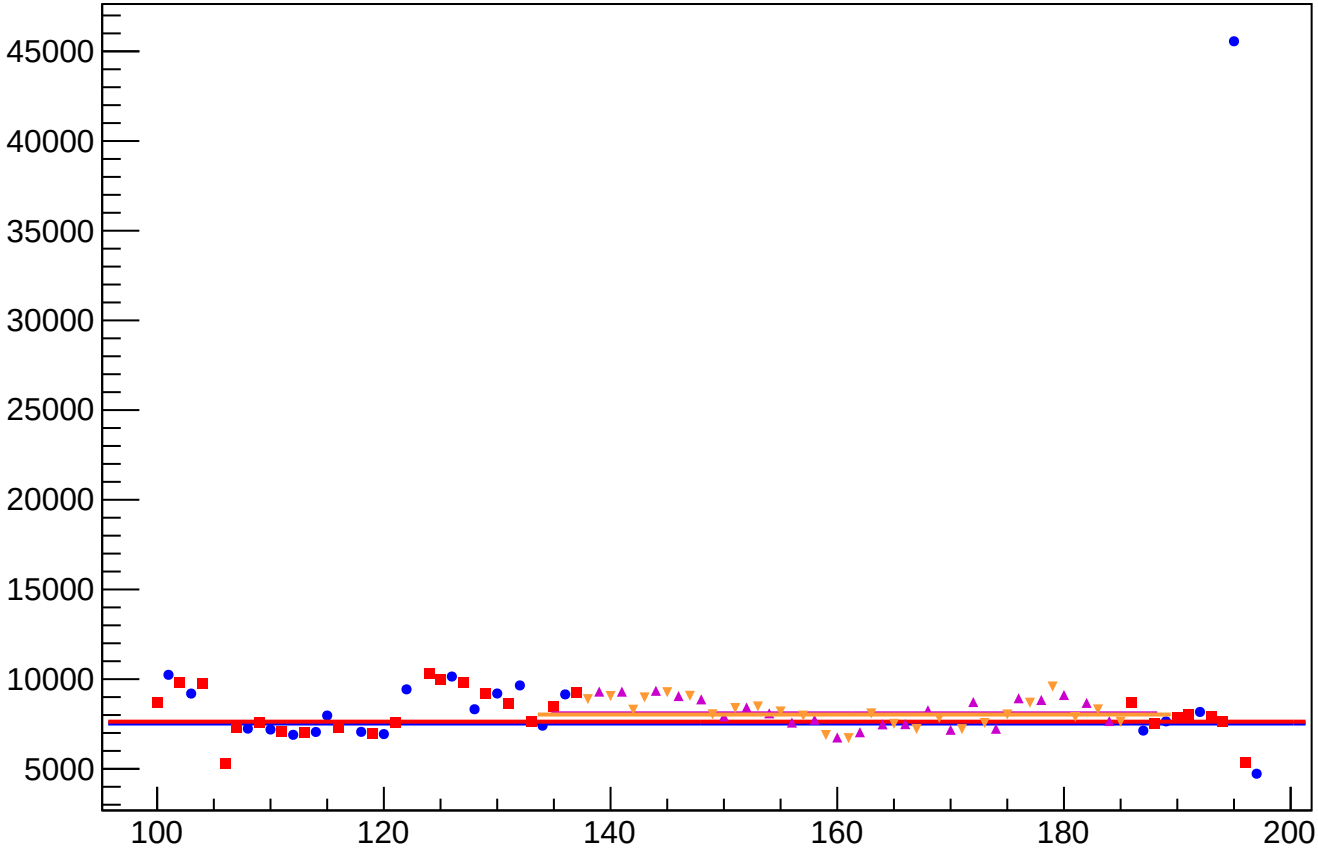
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

\+ sign -4.754+/-1.473 χ^2/NDF: 262.2/45

All: 2.979+/-1.040 χ^2/NDF: 541.0/94

\- sign 10.677+/-1.469 χ^2/NDF: 223.9/48

diff_bpm0l09X_rms vs Slug



Right In: 7526.403+/-1.733 χ^2/NDF: 2146971.9/20

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7630.578+/-1.625 χ^2/NDF: 600854.7/25

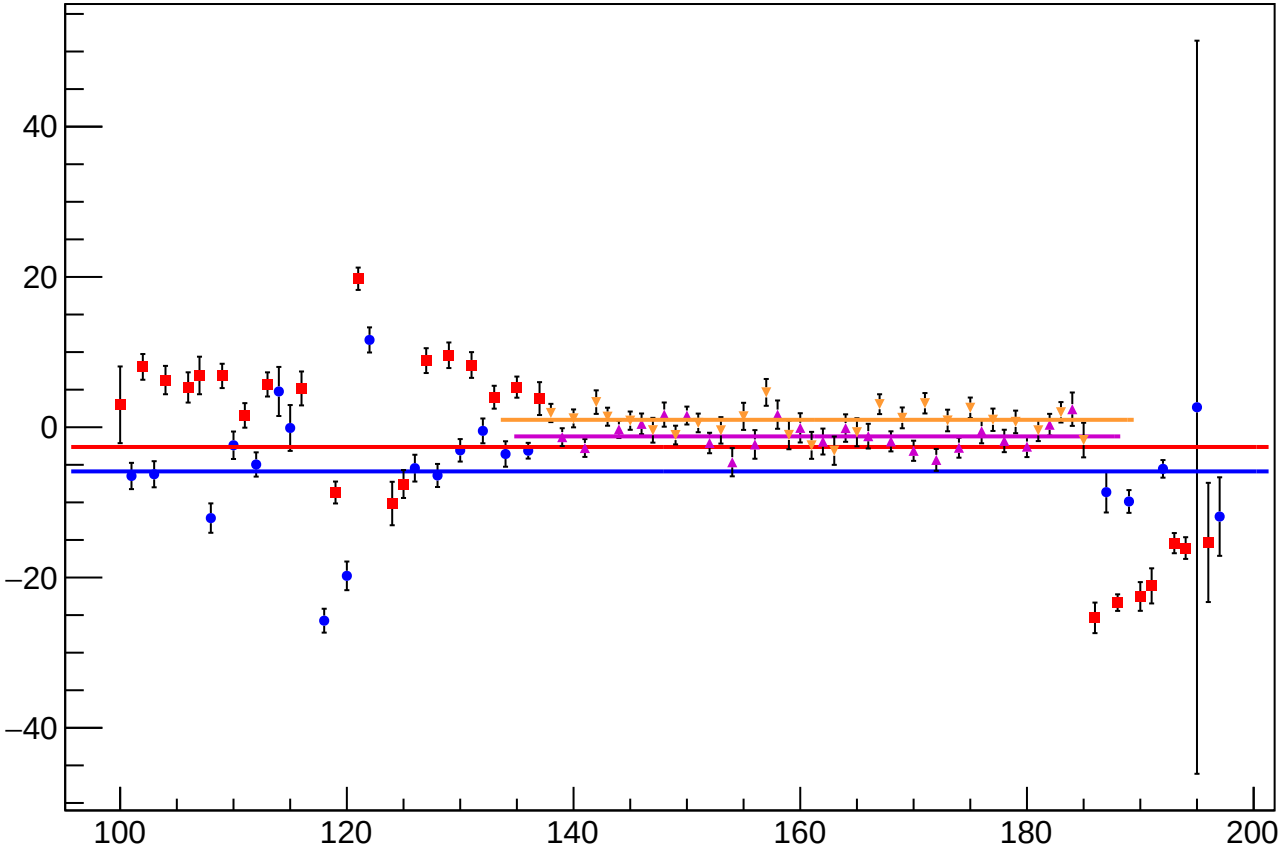
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 7846.897+/-1.041 χ^2/NDF: 2532972.3/45

All: 7876.174+/-0.736 χ^2/NDF: 3551217.3/94

- sign 7905.323+/-1.039 χ^2/NDF: 1016667.6/48

diff_bpm0l09Y_mean vs Slug



Right In: -5.877+/-0.378 χ^2/NDF: 380.0/20

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -2.627+/-0.343 χ^2/NDF: 1458.6/25

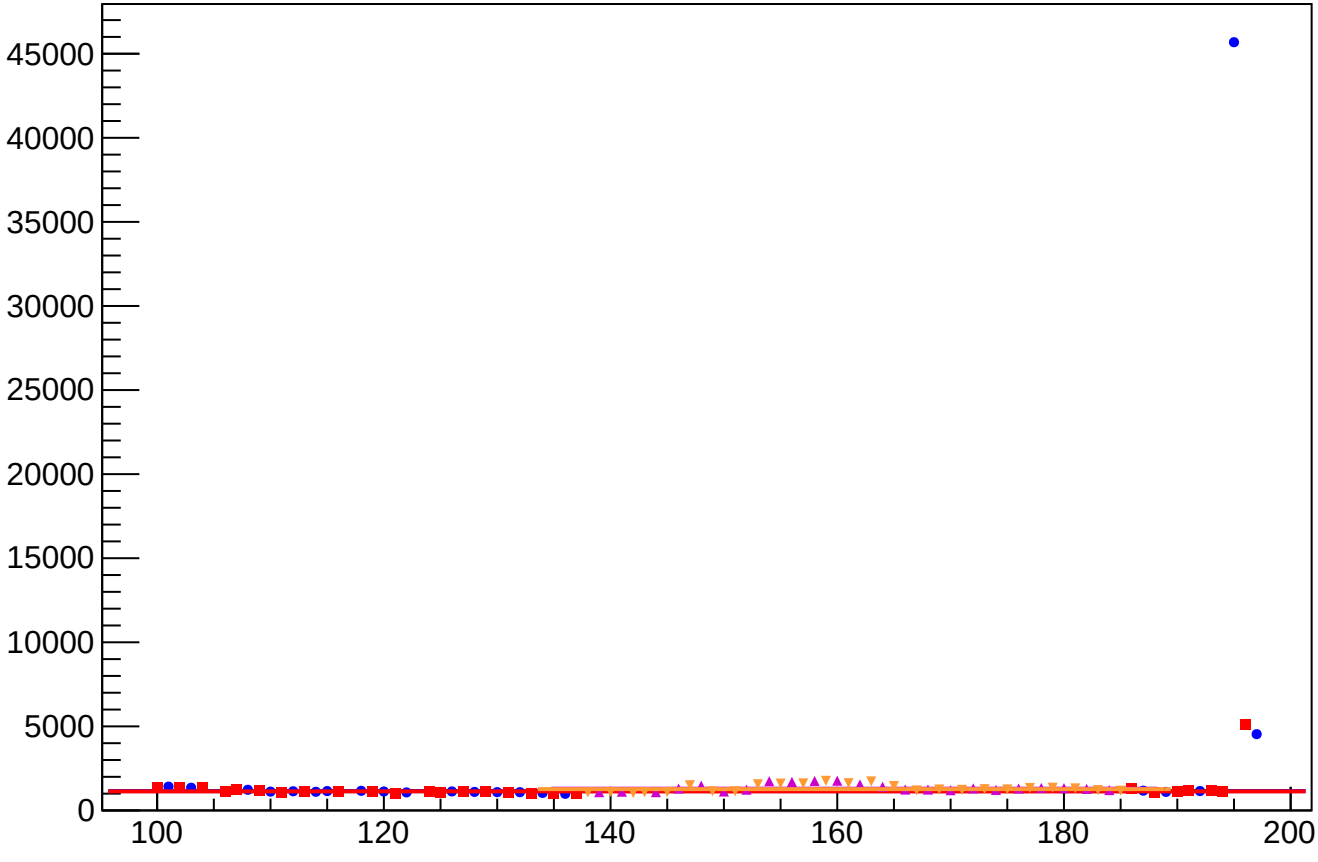
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.577+/-0.231 χ^2/NDF: 617.1/45

All: -1.713+/-0.163 χ^2/NDF: 2118.9/94

- sign -1.845+/-0.229 χ^2/NDF: 1501.1/48

diff_bpm0l09Y_rms vs Slug



Right In: 1150.145+/-0.268 χ^2/NDF: 2655799.3/20

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1134.987+/-0.242 χ^2/NDF: 674969.7/25

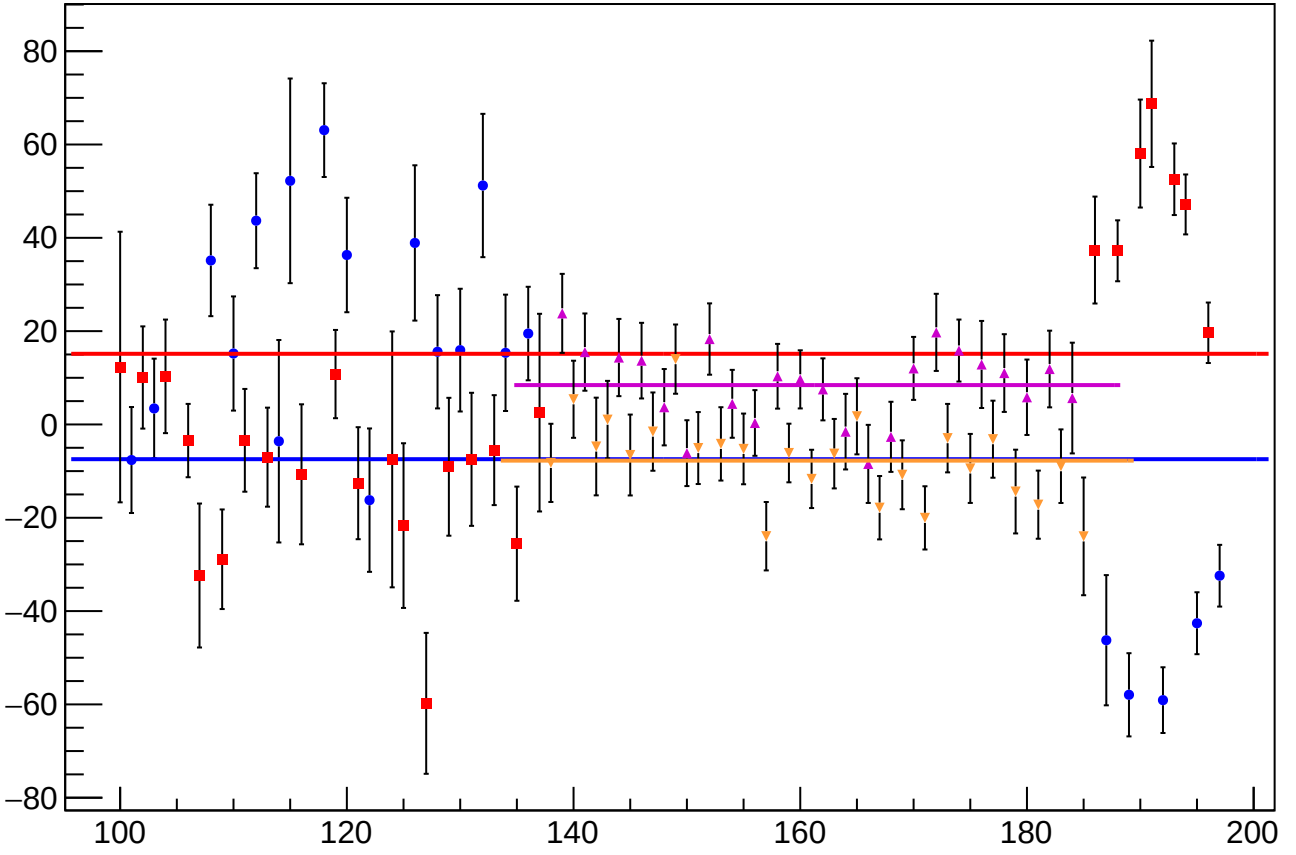
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1223.580+/-0.164 χ^2/NDF: 3654480.7/45

All: 1223.479+/-0.115 χ^2/NDF: 5326973.5/94

- sign 1223.381+/-0.162 χ^2/NDF: 1672492.1/48

diff_bpm0l10X_mean vs Slug



Right In: -7.444+/-2.324 χ^2/NDF: 287.7/20

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 15.143+/-2.091 χ^2/NDF: 191.2/25

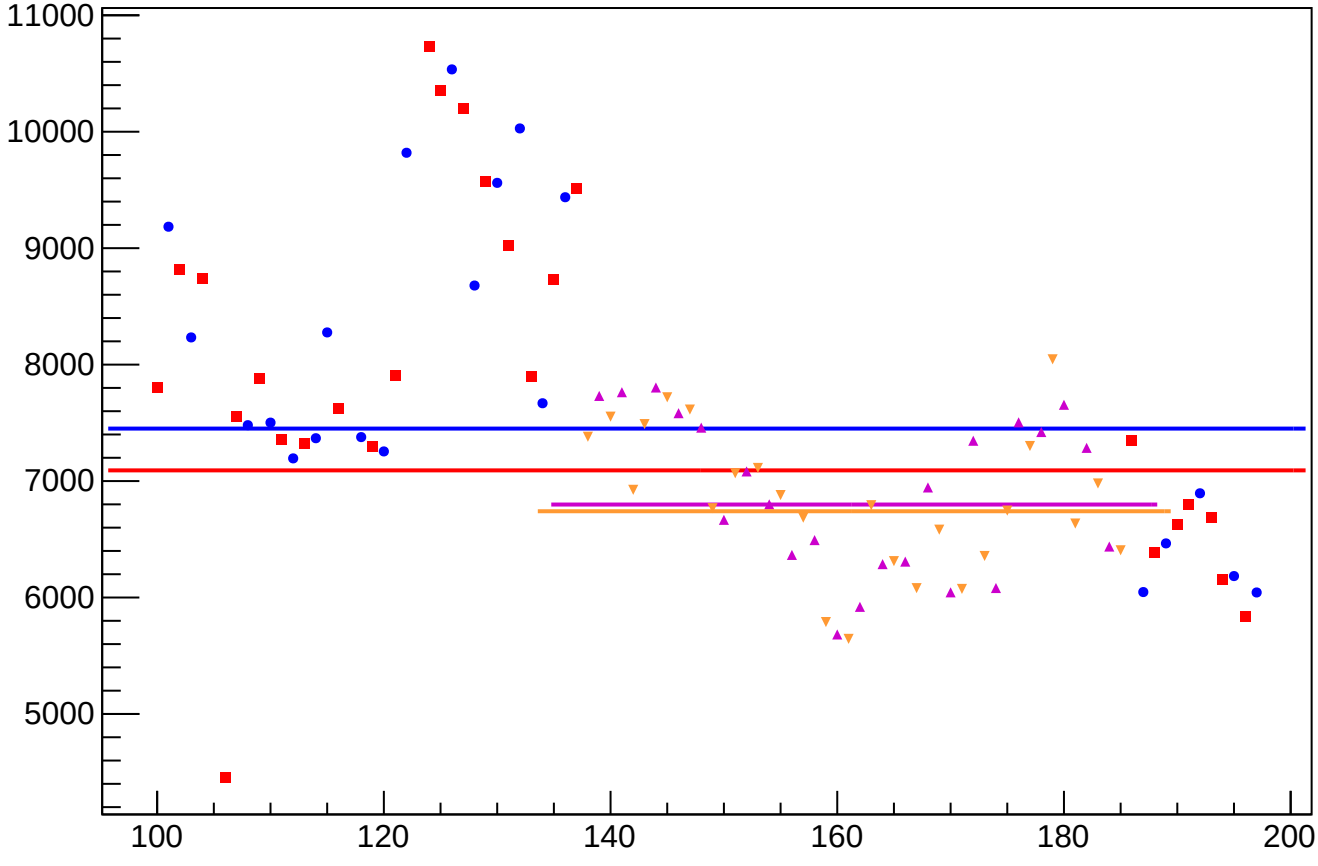
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

\+ sign -7.658+/-1.288 χ^2/NDF: 318.1/45

All: 1.738+/-0.905 χ^2/NDF: 646.0/94

\- sign 10.923+/-1.273 χ^2/NDF: 222.5/48

diff_bpm0l10X_rms vs Slug



Right In: 7450.697+/-1.644 χ^2/NDF: 606343.6/20

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7091.828+/-1.479 χ^2/NDF: 844233.3/25

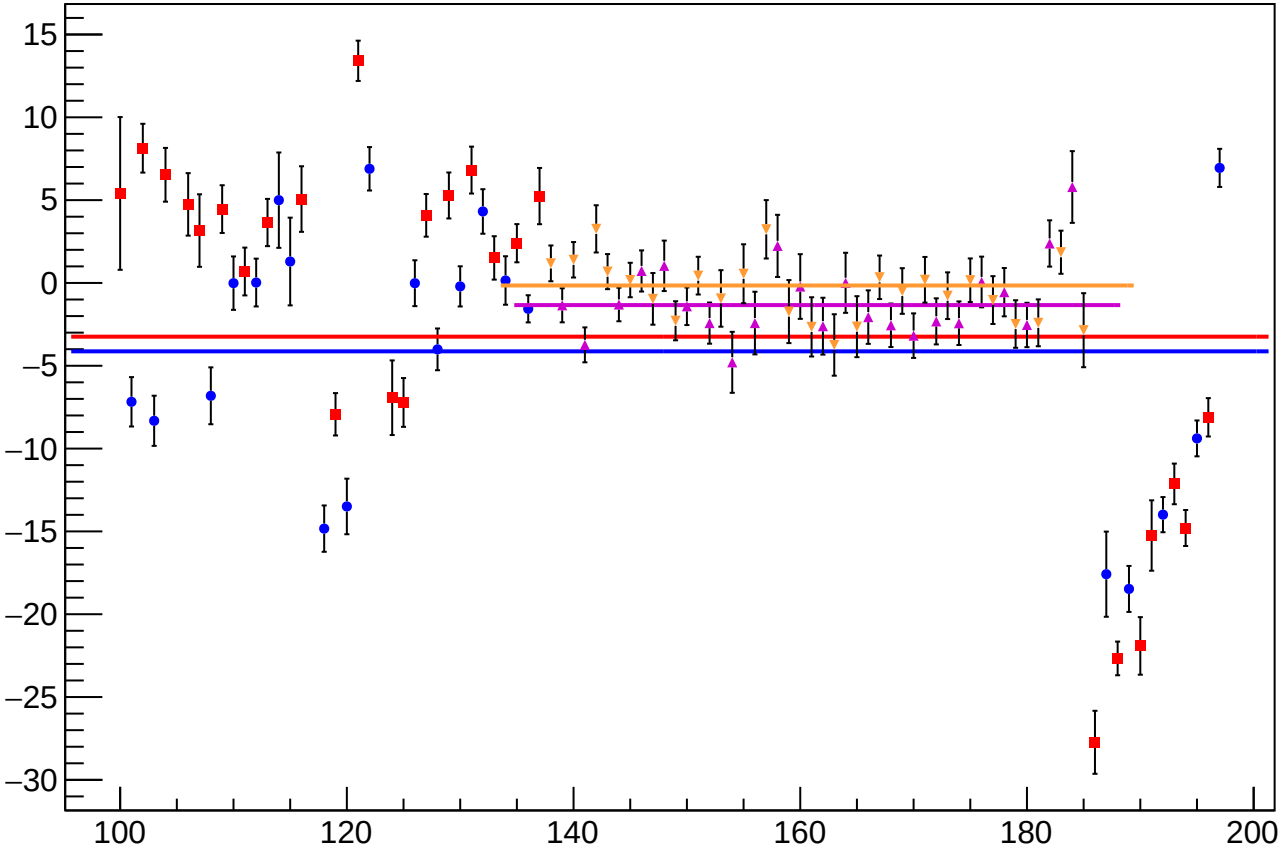
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6958.675+/-0.910 χ^2/NDF: 1052346.0/45

All: 6932.654+/-0.640 χ^2/NDF: 2276235.1/94

- sign 6907.219+/-0.900 χ^2/NDF: 1222273.9/48

diff_bpm0l10Y_mean vs Slug



Right In: -4.129+/-0.297 χ^2/NDF: 617.4/20

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -3.243+/-0.284 χ^2/NDF: 1458.2/25

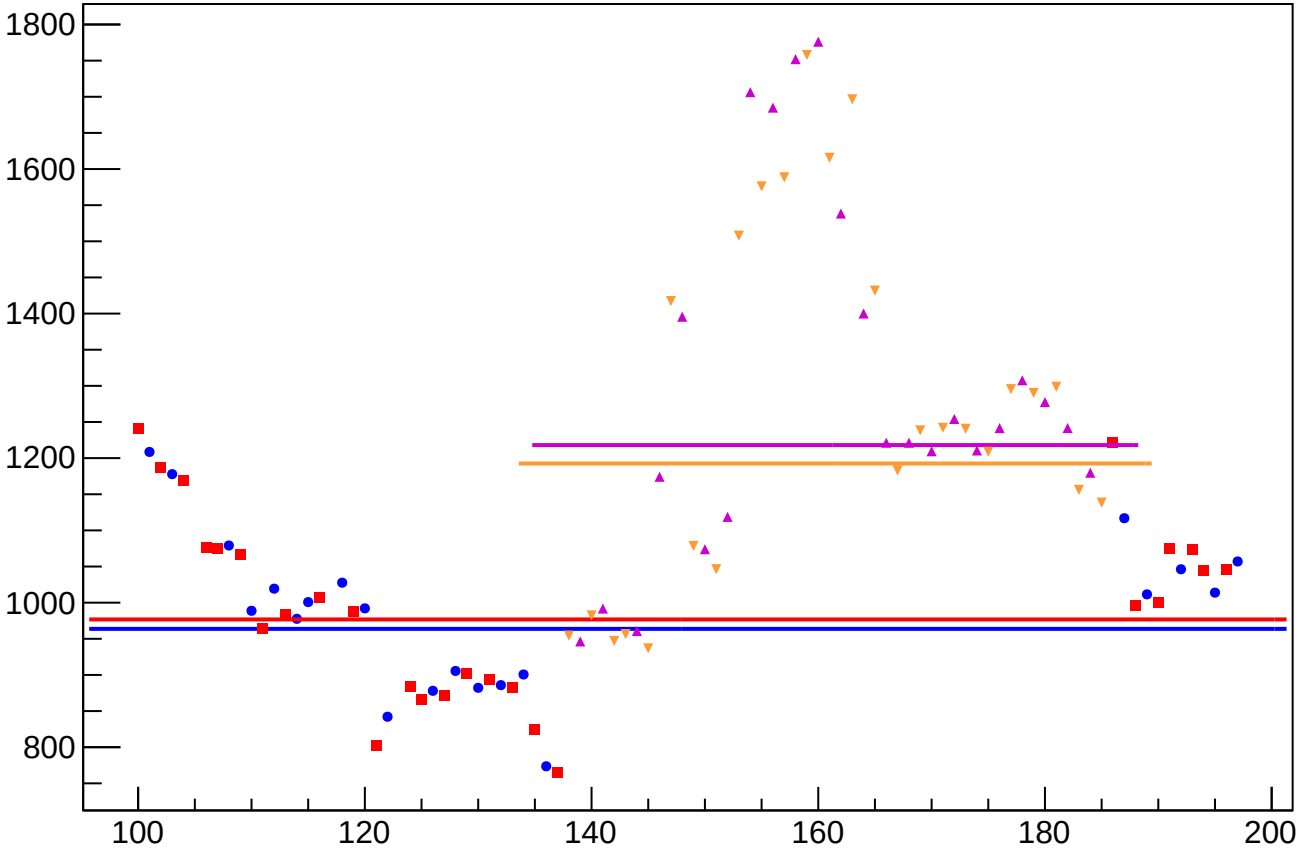
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -1.998+/-0.203 χ^2/NDF: 749.3/45

All: -2.153+/-0.143 χ^2/NDF: 2274.7/94

- sign -2.310+/-0.203 χ^2/NDF: 1524.2/48

diff_bpm0l10Y_rms vs Slug



Right In: 963.748+/-0.210 χ^2/NDF: 306796.3/20

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 976.801+/-0.201 χ^2/NDF: 318506.4/25

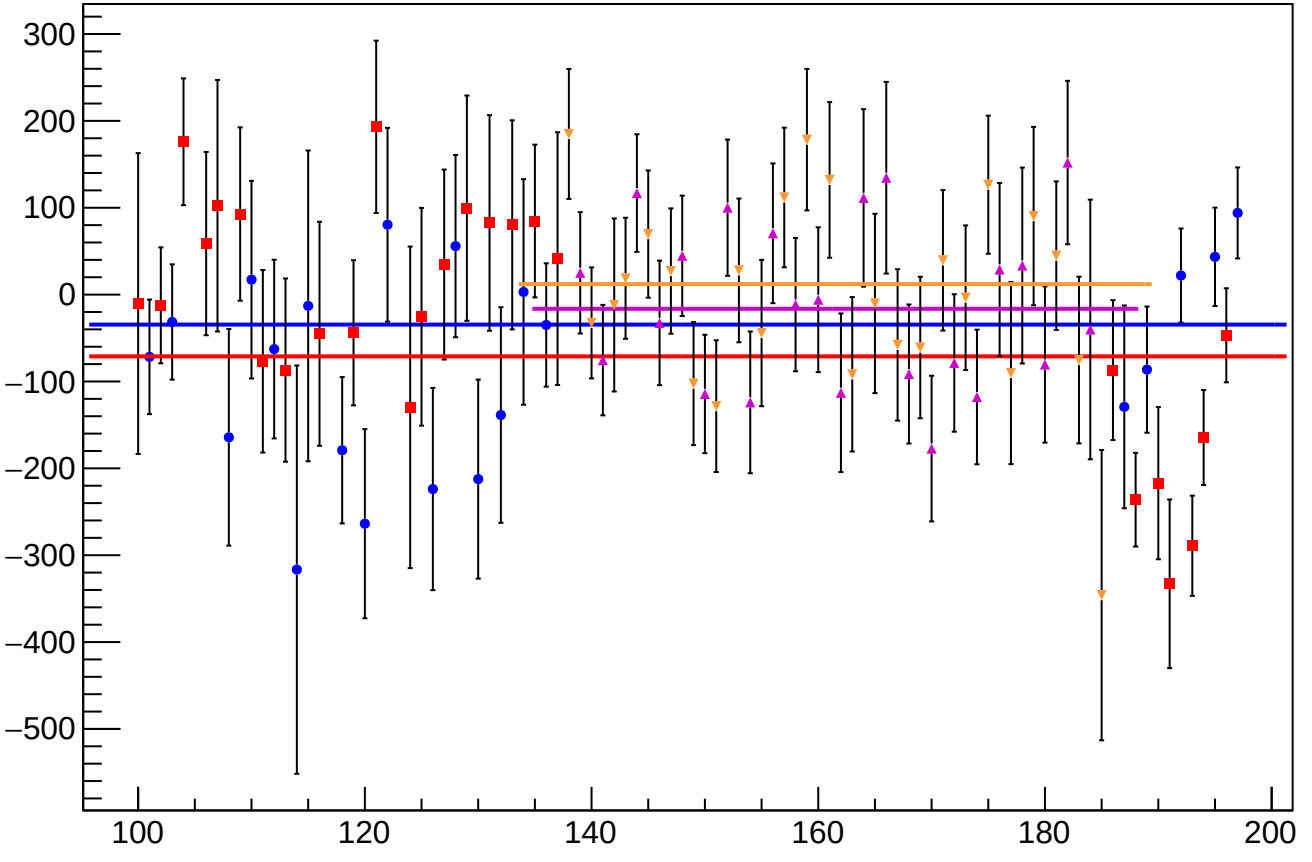
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1086.396+/-0.143 χ^2/NDF: 2261673.8/45

All: 1090.633+/-0.101 χ^2/NDF: 4415746.0/94

- sign 1094.888+/-0.144 χ^2/NDF: 2152318.9/48

diff_bpm0r03X_mean vs Slug



Right In: -34.505+/-18.594 χ^2/NDF: 28.3/20

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

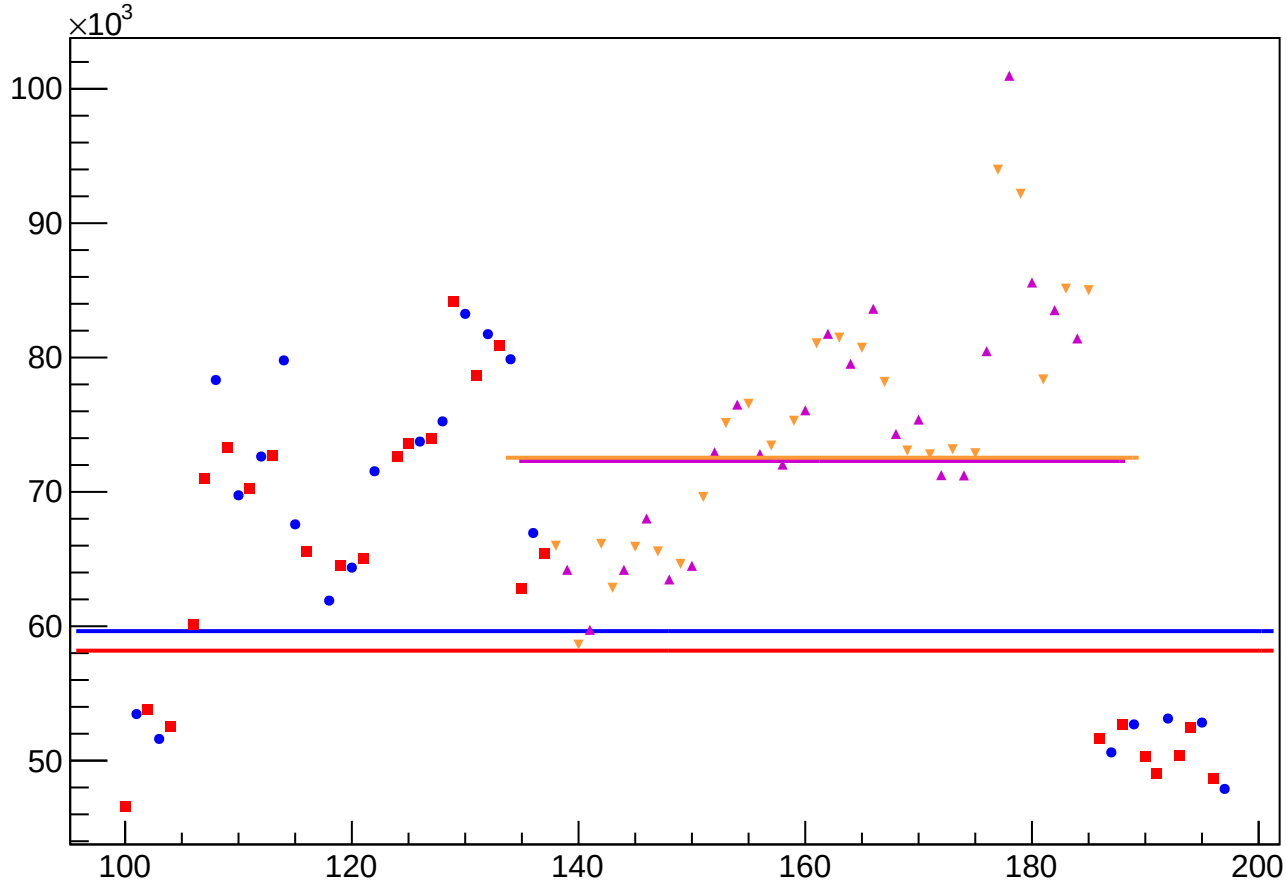
Right Out: -71.100+/-17.085 χ^2/NDF: 71.9/25

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

\+ sign -8.592+/-12.386 χ^2/NDF: 64.6/45

All: -26.574+/-8.640 χ^2/NDF: 174.5/94

\- sign -43.612+/-12.057 χ^2/NDF: 105.8/48



Right In: 59637.114+/-13.148 χ^2/NDF: 666491.0/20

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 58184.125+/-12.081 χ^2/NDF: 672583.5/25

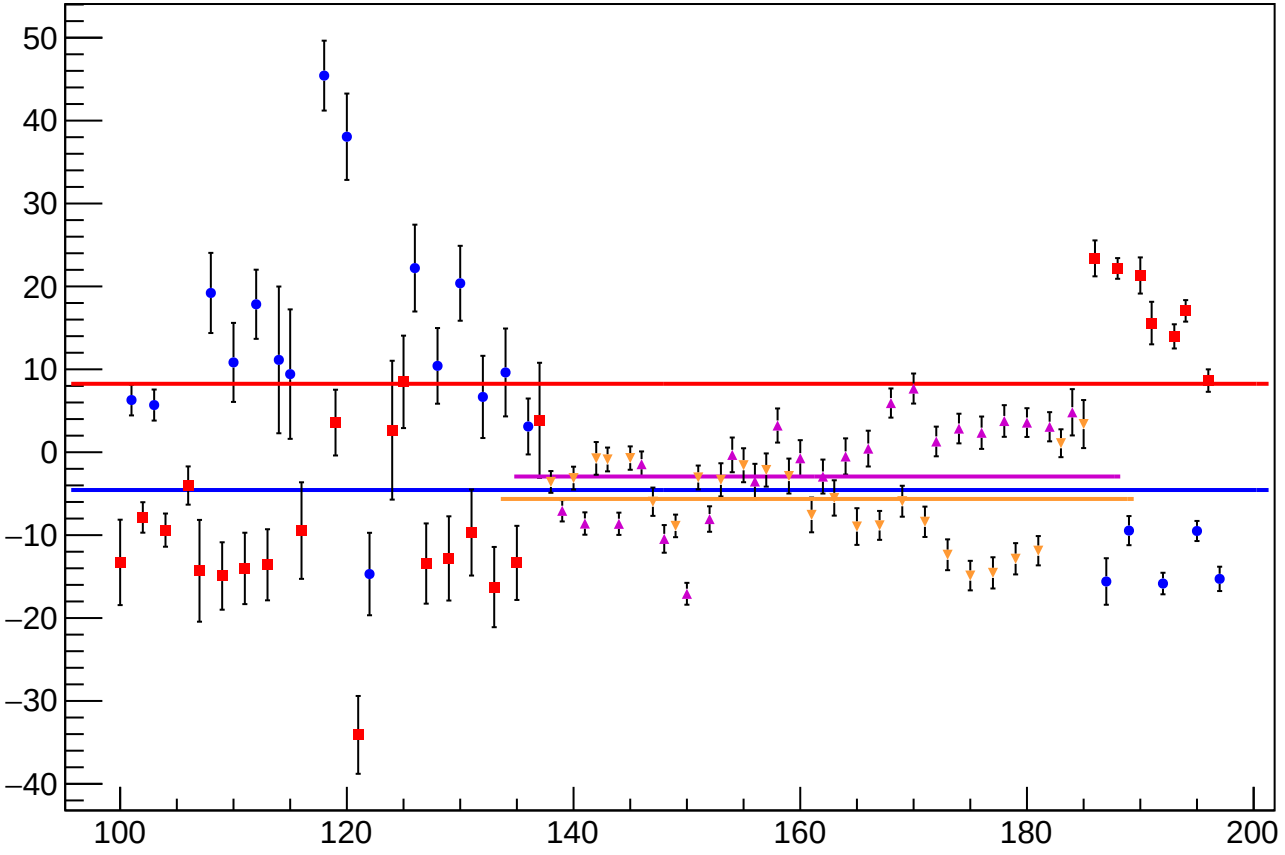
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 66816.528+/-8.758 χ^2/NDF: 1702624.7/45

All: 66022.437+/-6.109 χ^2/NDF: 3565393.3/9

- sign 65270.023+/-8.526 χ^2/NDF: 1846759.5/48

diff_bpm0r03Y_mean vs Slug



Right In: -4.557+/-0.545 χ^2/NDF: 599.0/20

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 8.255+/-0.487 χ^2/NDF: 768.6/25

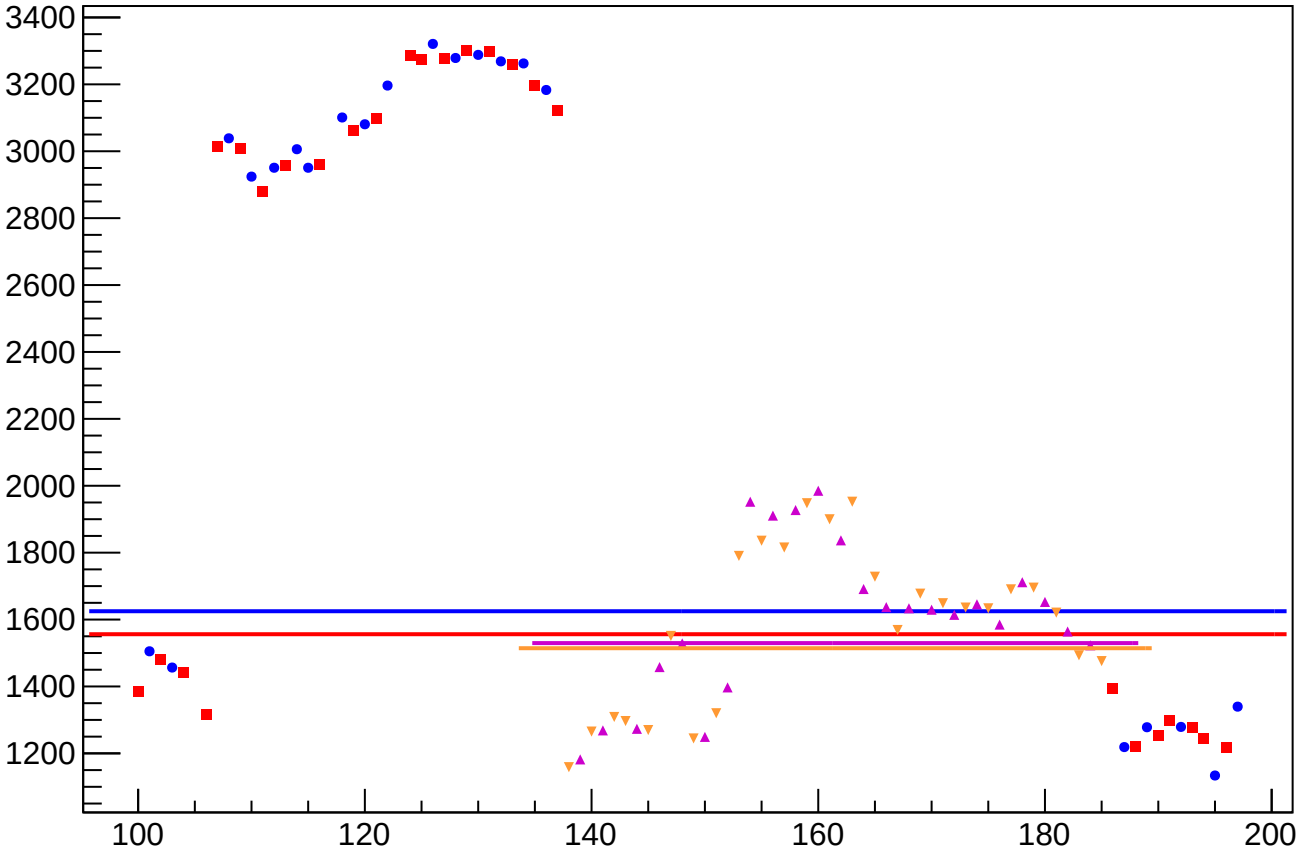
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -5.322+/-0.294 χ^2/NDF: 779.9/45

All: -2.101+/-0.207 χ^2/NDF: 2462.7/94

- sign 1.051+/-0.291 χ^2/NDF: 1445.1/48

diff_bpm0r03Y_rms vs Slug



Right In: 1624.903+/-0.385 χ^2/NDF: 3500388.7/20

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1556.184+/-0.345 χ^2/NDF: 3559846.5/25

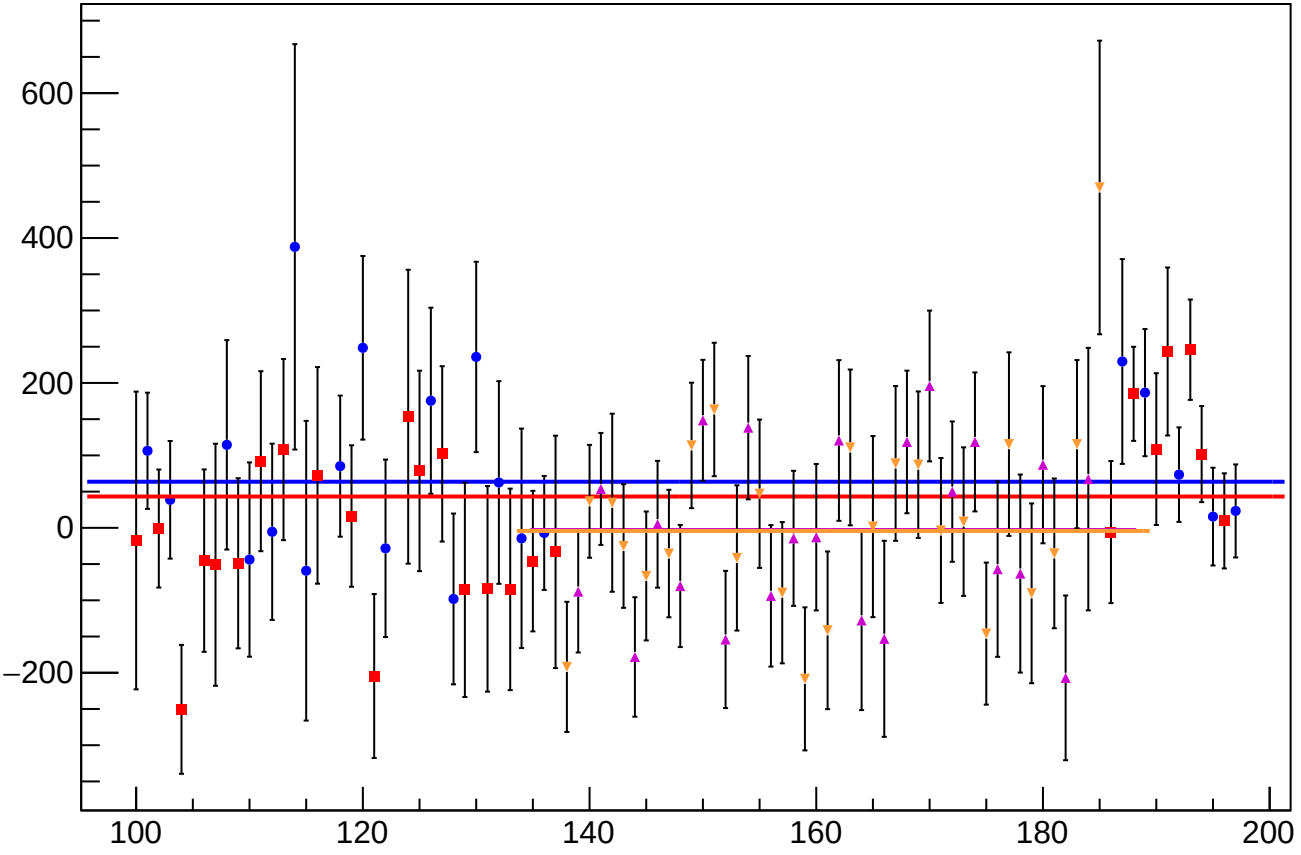
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1546.505+/-0.208 χ^2/NDF: 4492119.0/45

All: 1542.754+/-0.146 χ^2/NDF: 8884914.1/94

- sign 1539.082+/-0.206 χ^2/NDF: 4392150.3/48

diff_bpm0r05X_mean vs Slug



Right In: 63.647+/-21.962 χ^2/NDF: 15.6/20

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

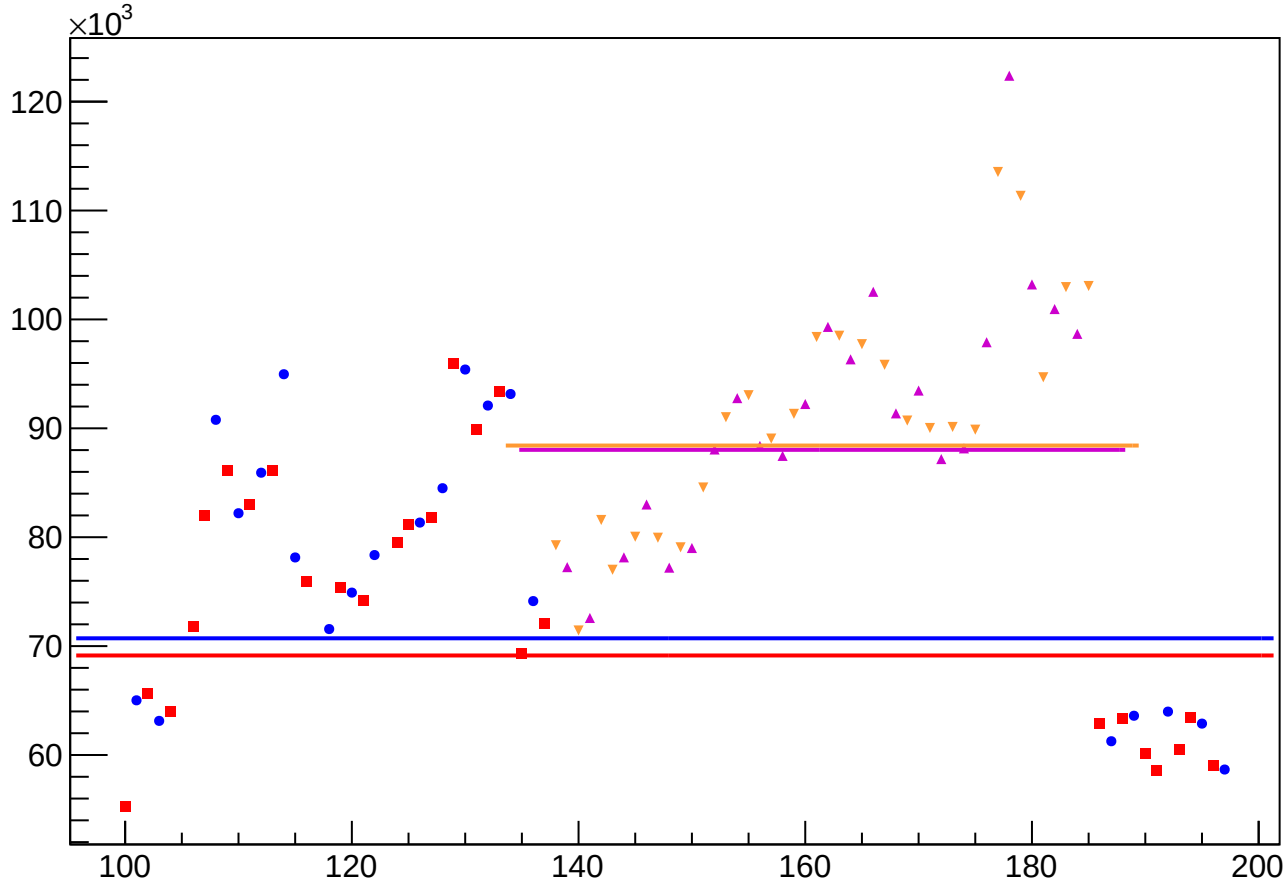
Right Out: 43.234+/-20.241 χ^2/NDF: 40.1/25

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 26.920+/-14.883 χ^2/NDF: 51.2/45

All: 23.698+/-10.378 χ^2/NDF: 124.7/94

- sign 20.649+/-14.479 χ^2/NDF: 73.4/48



Right In: 70716.830+/-15.530 χ^2/NDF: 486625.8/20

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 69139.641+/-14.312 χ^2/NDF: 513563.9/25

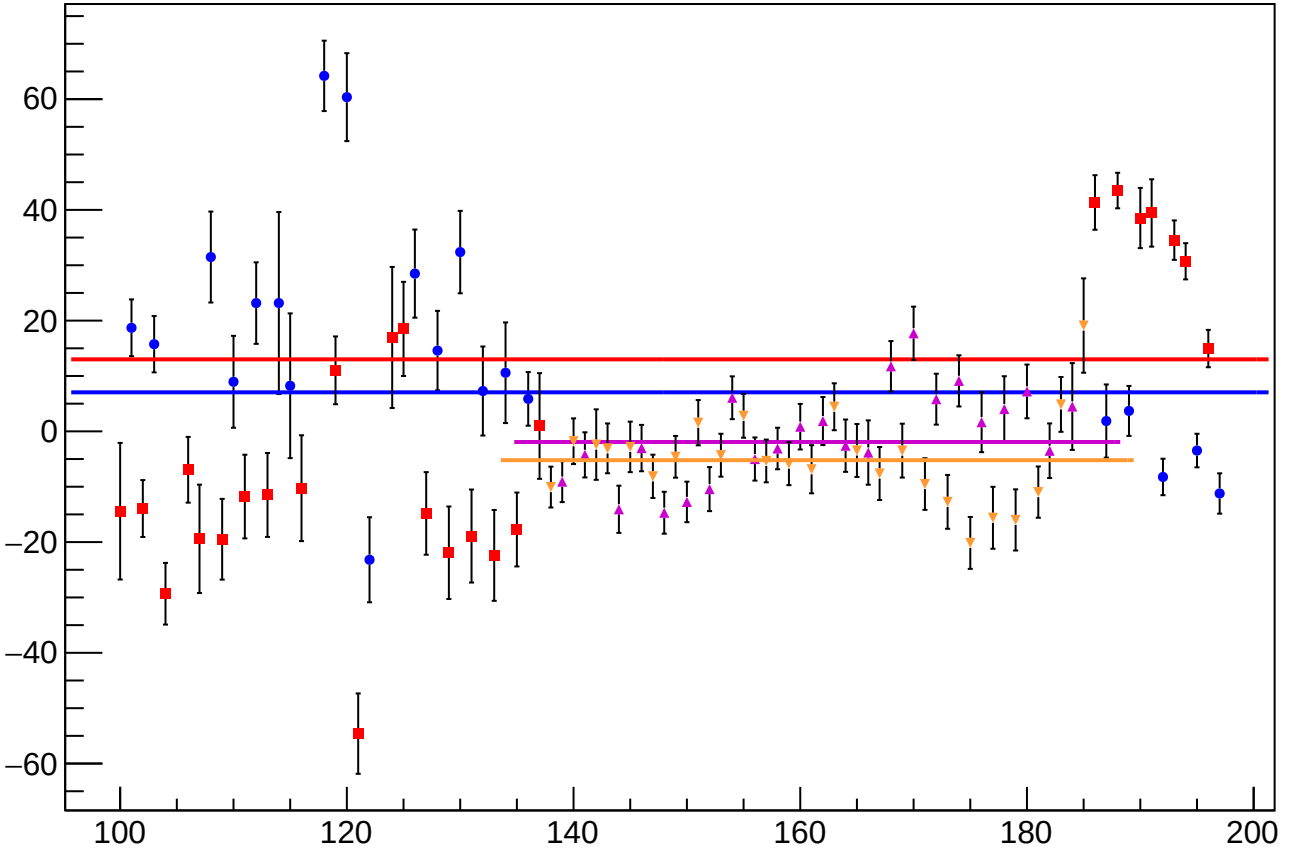
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 80288.541+/-10.524 χ^2/NDF: 1671116.9/45

All: 79298.142+/-7.338 χ^2/NDF: 3536794.7/9

- sign 78360.867+/-10.238 χ^2/NDF: 1848440.7/48

diff_bpm0r05Y_mean vs Slug



Right In: 7.049+/-1.228 χ^2/NDF: 244.3/20

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 13.005+/-1.118 χ^2/NDF: 564.5/25

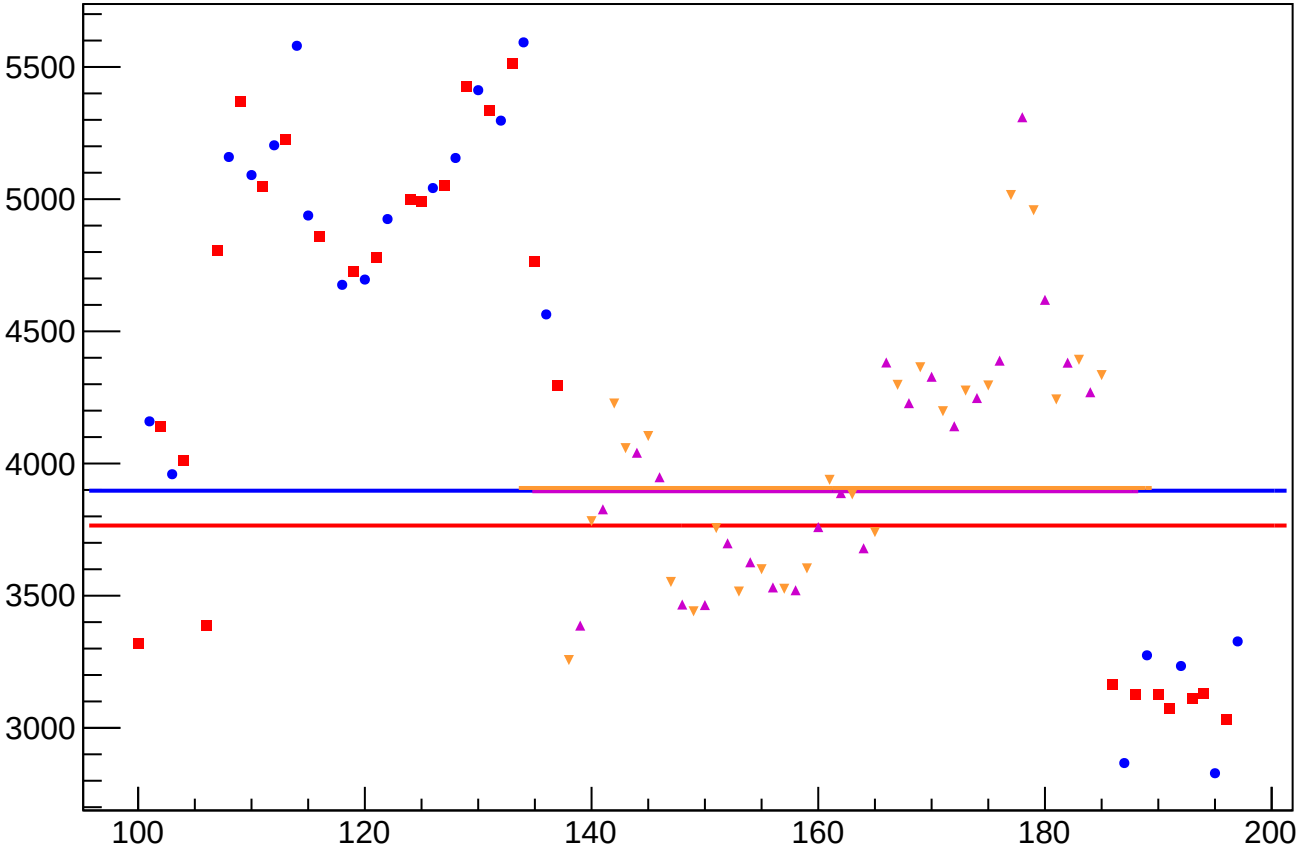
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.960+/-0.723 χ^2/NDF: 360.4/45

All: 1.606+/-0.506 χ^2/NDF: 1139.6/94

- sign 4.074+/-0.709 χ^2/NDF: 754.4/48

diff_bpm0r05Y_rms vs Slug



Right In: 3897.170+/-0.868 χ^2/NDF: 1096321.4/20

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3765.411+/-0.791 χ^2/NDF: 1200936.5/25

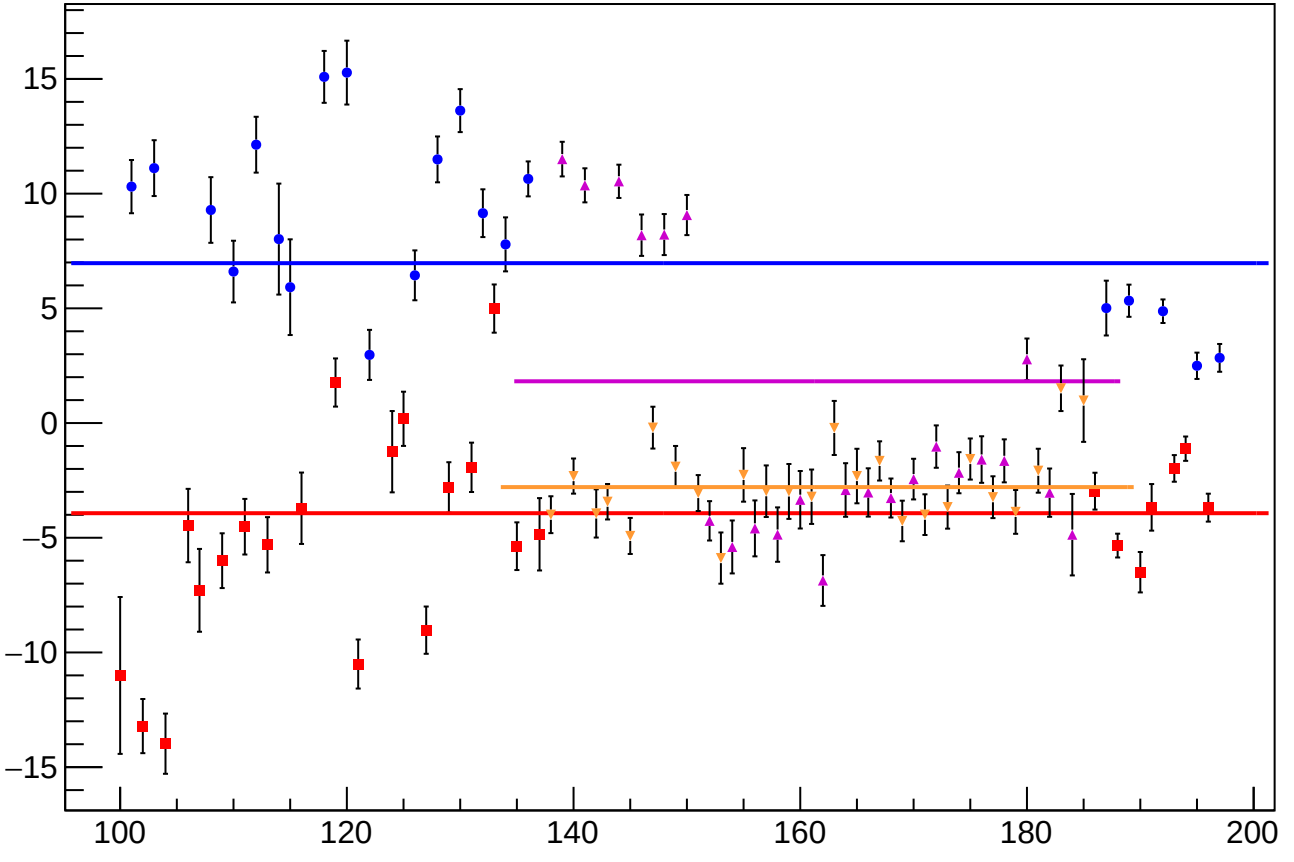
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3903.898+/-0.511 χ^2/NDF: 1537615.8/45

All: 3872.860+/-0.358 χ^2/NDF: 3171803.9/94

- sign 3843.004+/-0.501 χ^2/NDF: 1626948.7/48

diff_bpm2i01X_mean vs Slug



Right In: 6.969+/-0.203 χ^2/NDF: 372.7/20

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -3.930+/-0.186 χ^2/NDF: 374.8/25

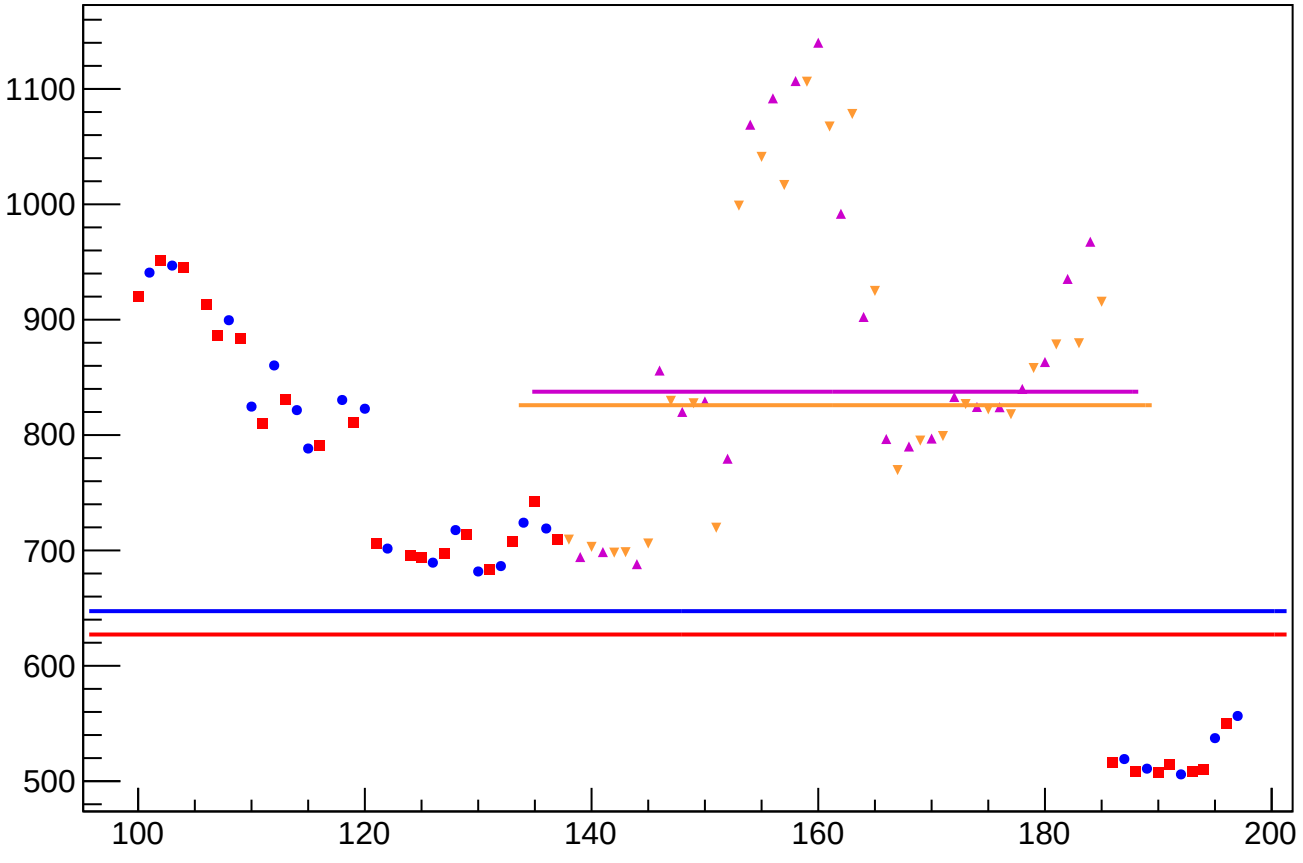
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.773+/-0.139 χ^2/NDF: 1674.7/45

All: 0.231+/-0.097 χ^2/NDF: 3765.2/94

- sign -1.241+/-0.136 χ^2/NDF: 1849.0/48

diff_bpm2i01X_rms vs Slug



Right In: 647.381+/-0.143 χ^2/NDF: 929637.1/20

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 627.130+/-0.131 χ^2/NDF: 1174152.8/25

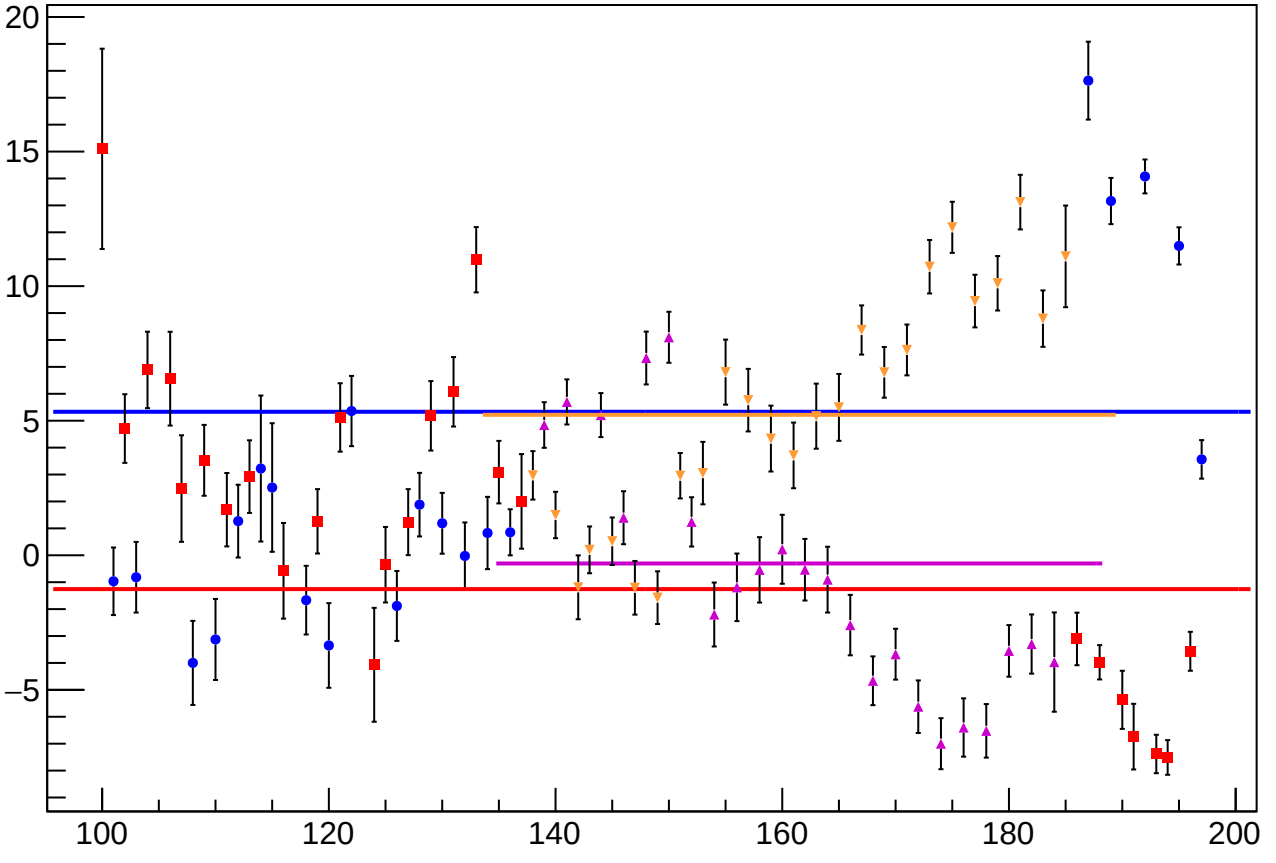
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 742.407+/-0.098 χ^2/NDF: 2519588.7/45

All: 733.780+/-0.069 χ^2/NDF: 5623669.3/94

- sign 725.542+/-0.096 χ^2/NDF: 3088949.9/48

diff_bpm2i01Y_mean vs Slug



Right In: 5.332+/-0.238 χ^2/NDF: 729.8/20

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -1.257+/-0.220 χ^2/NDF: 572.0/25

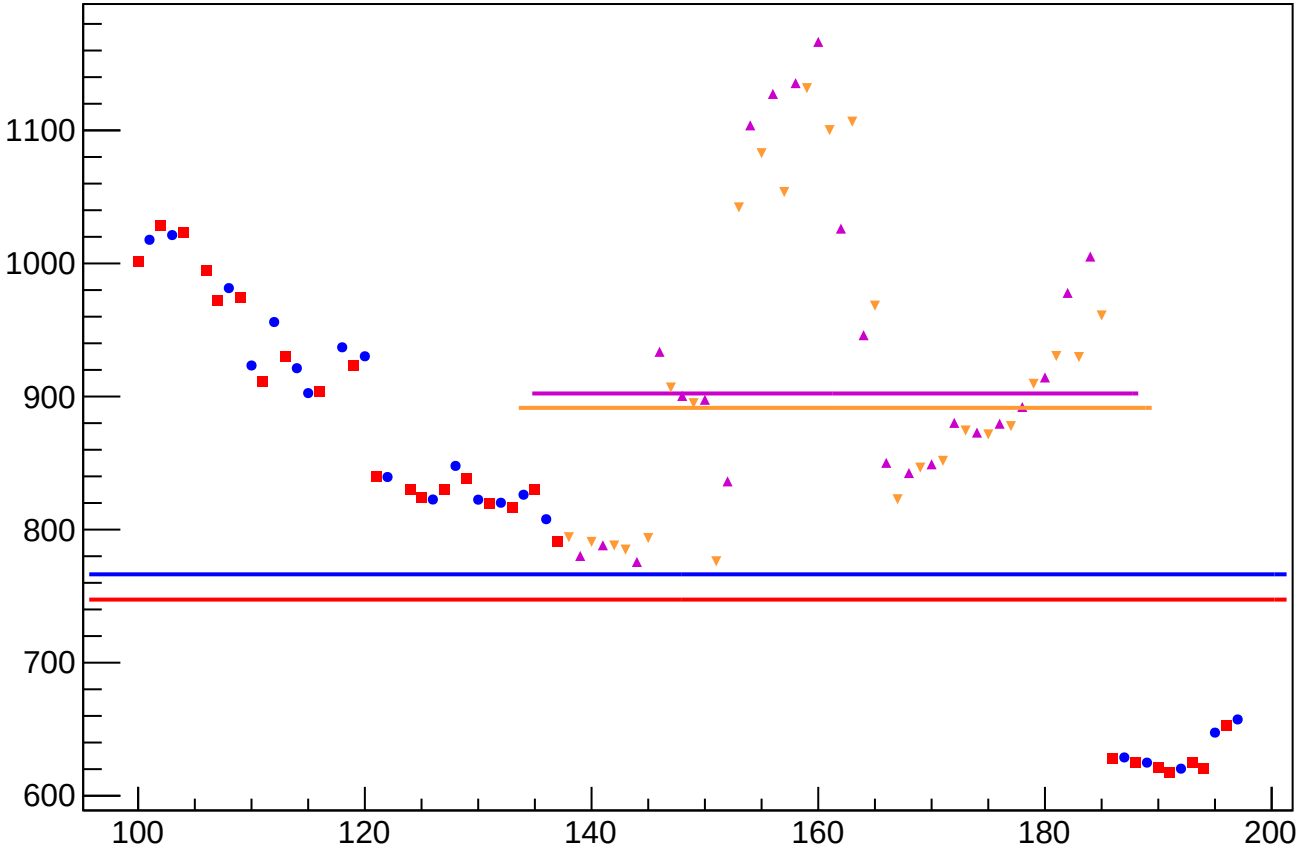
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 5.267+/-0.155 χ^2/NDF: 1179.9/45

All: 2.204+/-0.109 χ^2/NDF: 3024.0/94

- sign -0.765+/-0.153 χ^2/NDF: 1076.9/48

diff_bpm2i01Y_rms vs Slug



Right In: 766.395+/-0.169 χ^2/NDF: 647615.9/20

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 747.409+/-0.155 χ^2/NDF: 819175.3/25

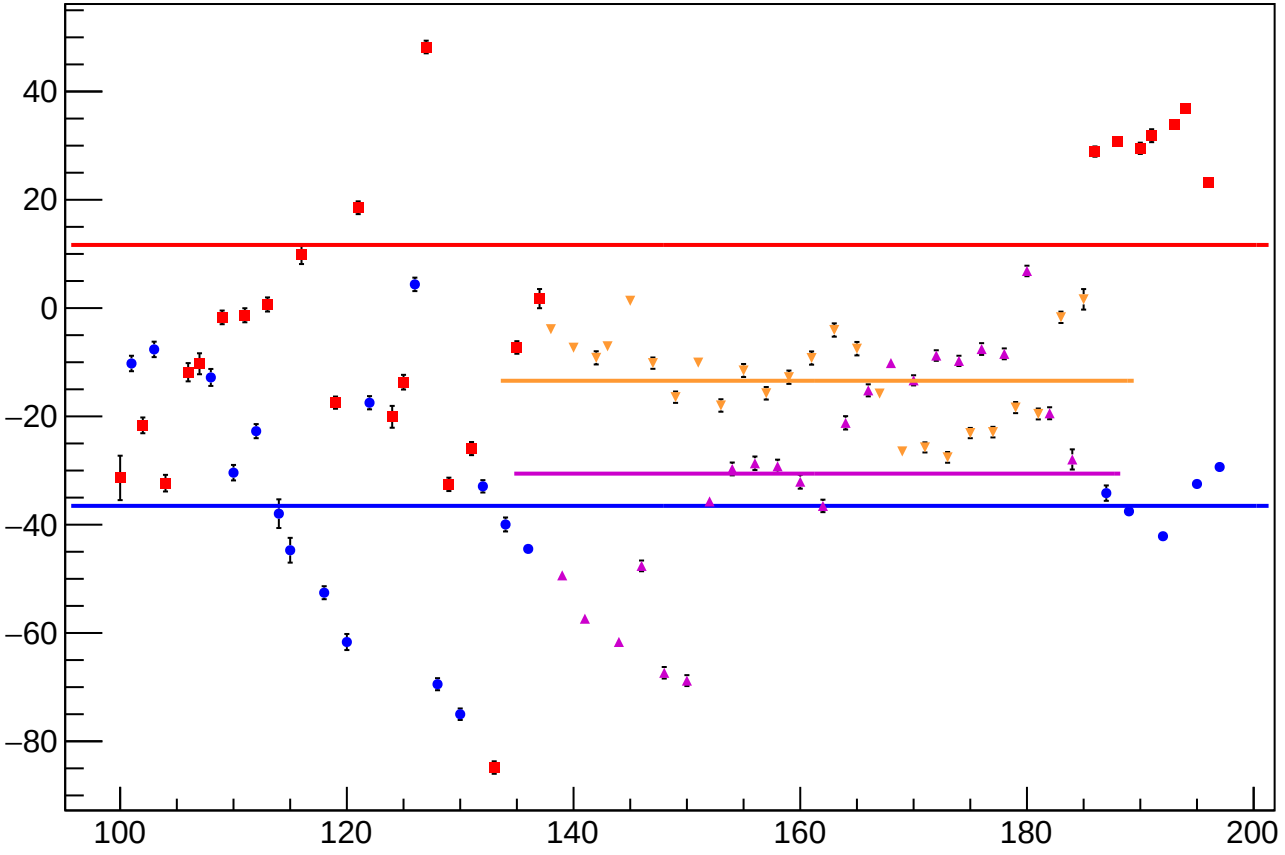
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

\+ sign 838.513+/-0.110 χ^2/NDF: 1482757.9/45

All: 832.852+/-0.077 χ^2/NDF: 3305337.2/94

\- sign 827.363+/-0.108 χ^2/NDF: 1817335.9/48

diff_bpm2i02X_mean vs Slug



Right In: -36.524+/-0.233 χ^2/NDF: 5416.1/20

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 11.661+/-0.214 χ^2/NDF: 18594.3/25

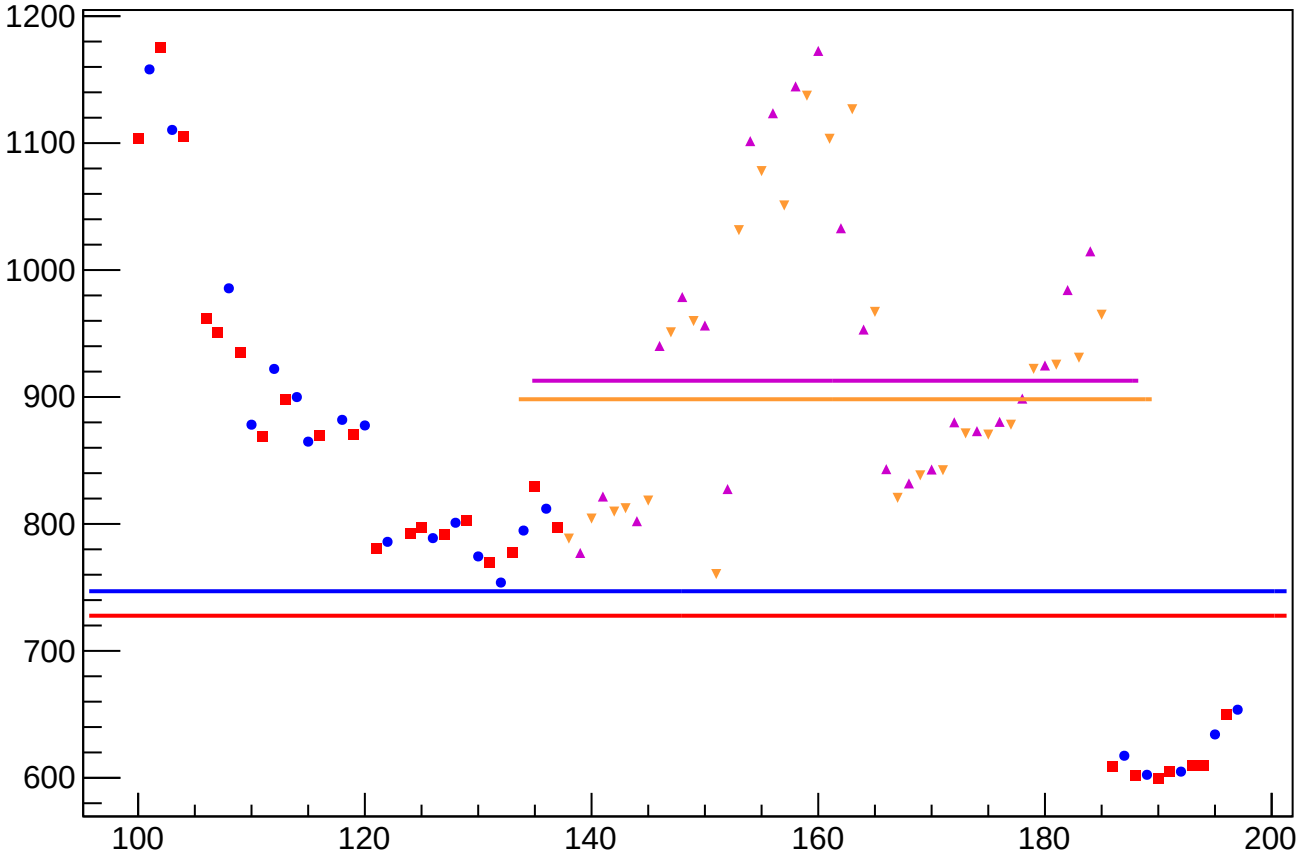
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

\+ sign -23.557+/-0.154 χ^2/NDF: 12600.6/45

All: -16.349+/-0.108 χ^2/NDF: 65216.7/94

\- sign -9.369+/-0.152 χ^2/NDF: 48320.7/48

diff_bpm2i02X_rms vs Slug



Right In: 746.999+/-0.165 χ^2/NDF: 746553.5/20

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 727.704+/-0.152 χ^2/NDF: 915862.3/25

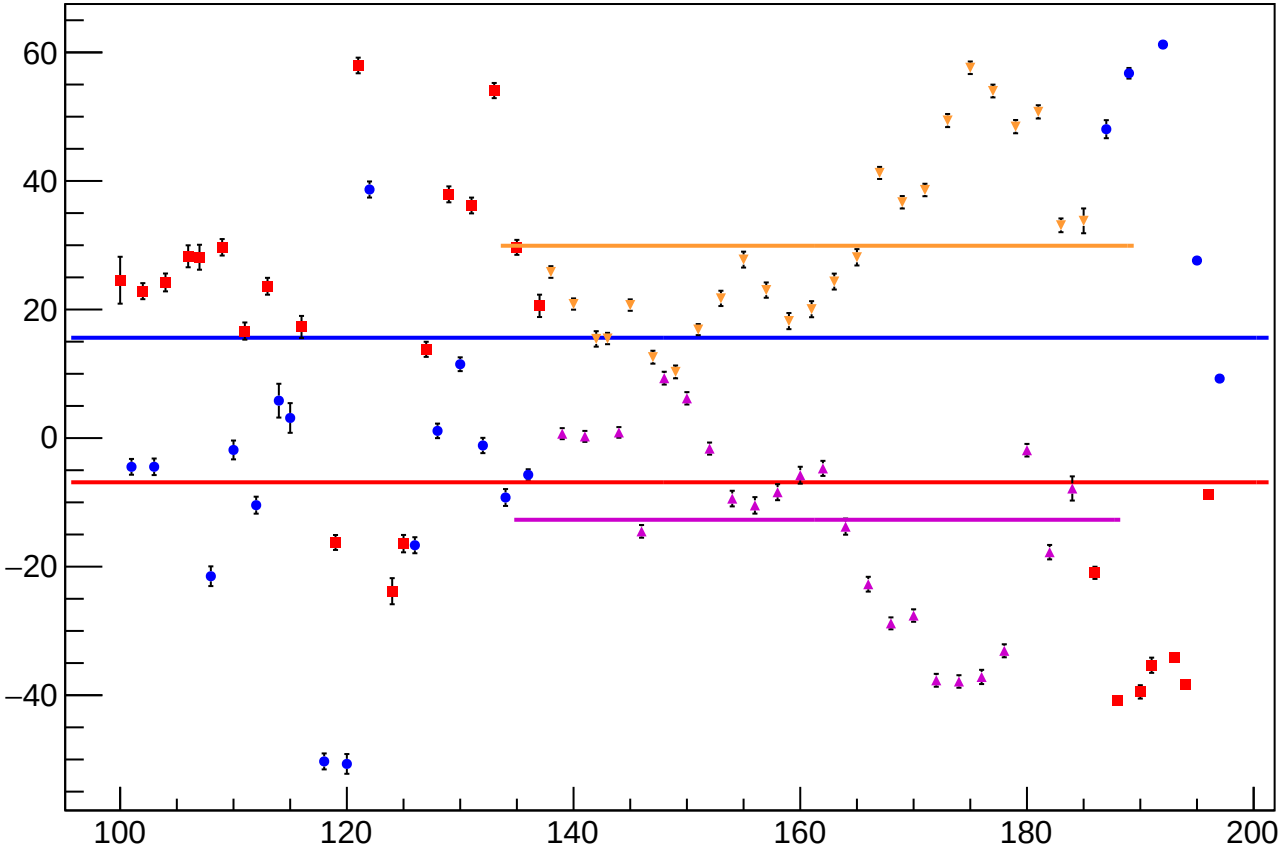
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 831.879+/-0.109 χ^2/NDF: 1738027.7/45

All: 825.784+/-0.077 χ^2/NDF: 3883180.9/94

- sign 819.882+/-0.107 χ^2/NDF: 2139011.2/48

diff_bpm2i02Y_mean vs Slug



Right In: 15.609+/-0.231 χ^2/NDF: 17768.1/20

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -6.877+/-0.213 χ^2/NDF: 22504.2/25

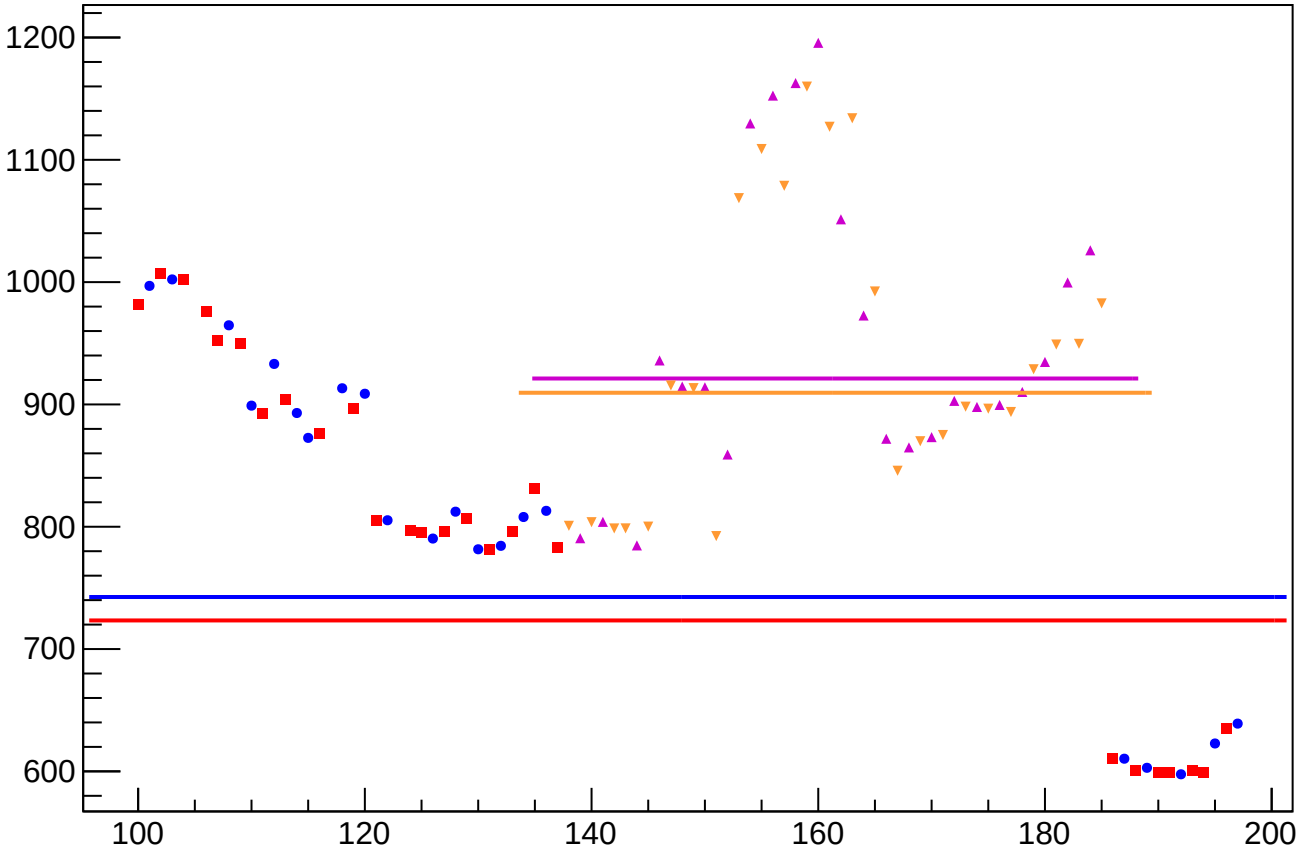
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 23.500+/-0.155 χ^2/NDF: 24461.5/45

All: 6.570+/-0.108 χ^2/NDF: 75587.5/94

- sign -9.733+/-0.152 χ^2/NDF: 27663.3/48

diff_bpm2i02Y_rms vs Slug



Right In: 742.553+/-0.163 χ^2/NDF: 684364.7/20

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 723.392+/-0.150 χ^2/NDF: 857811.0/25

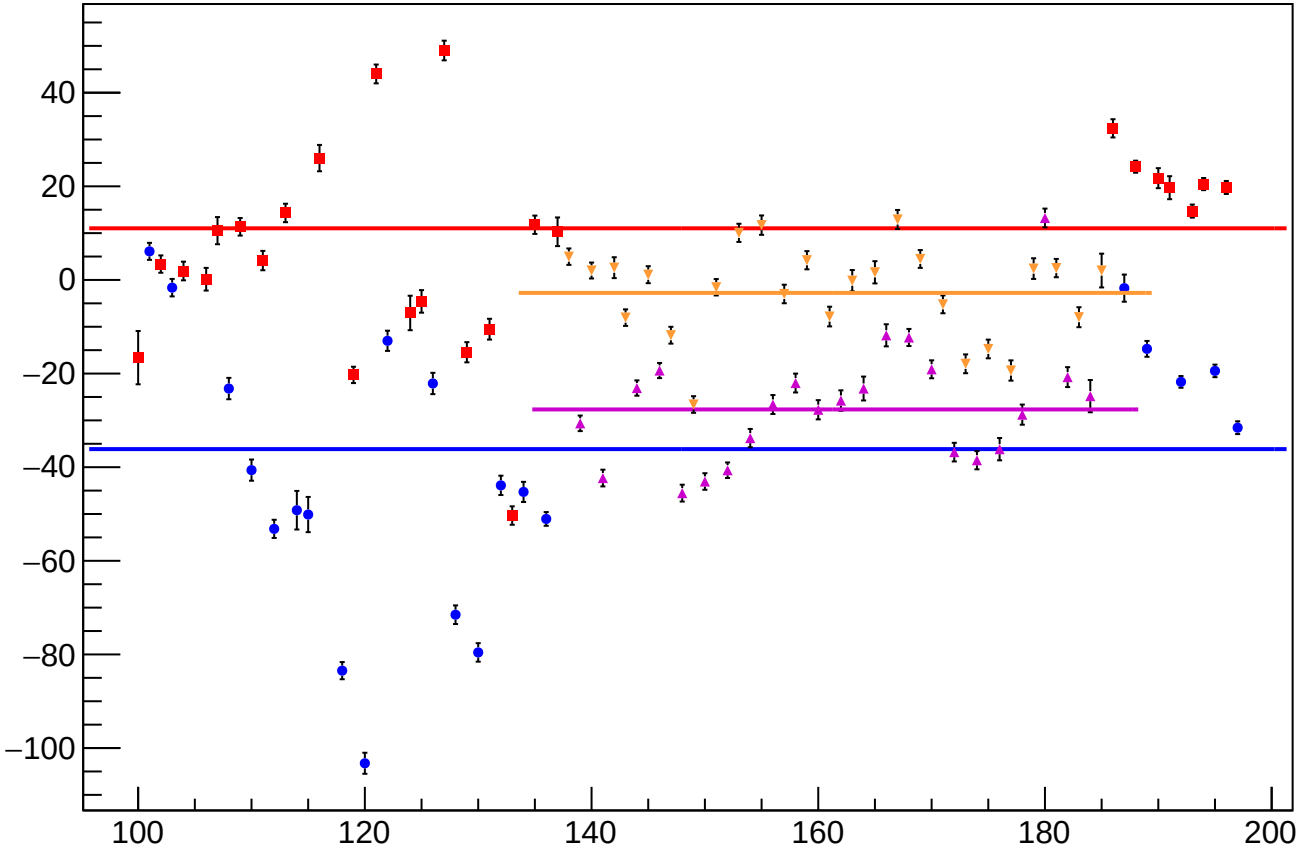
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 834.629+/-0.110 χ^2/NDF: 1801390.8/45

All: 827.319+/-0.077 χ^2/NDF: 4012139.3/94

- sign 820.280+/-0.107 χ^2/NDF: 2202001.7/48

diff_bpm0i02X_mean vs Slug



Right In: -36.138+/-0.412 χ^2/NDF: 4260.1/20

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 11.030+/-0.385 χ^2/NDF: 2687.5/25

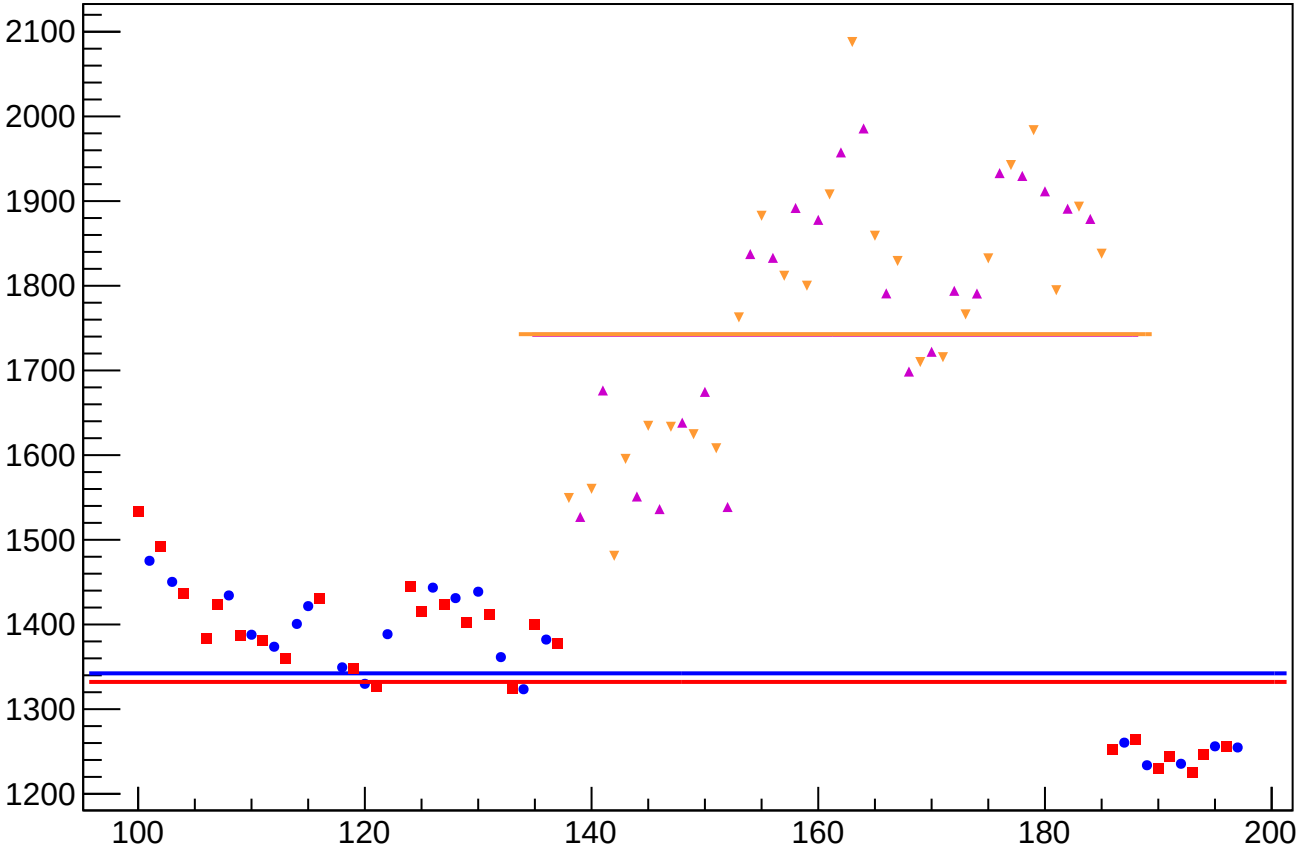
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -18.858+/-0.286 χ^2/NDF: 8275.9/45

All: -12.904+/-0.200 χ^2/NDF: 17547.3/94

\- sign -7.181+/-0.280 χ^2/NDF: 8421.4/48

diff_bpm0i02X_rms vs Slug



Right In: 1342.305+/-0.291 χ^2/NDF: 79574.6/20

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1332.159+/-0.273 χ^2/NDF: 89923.4/25

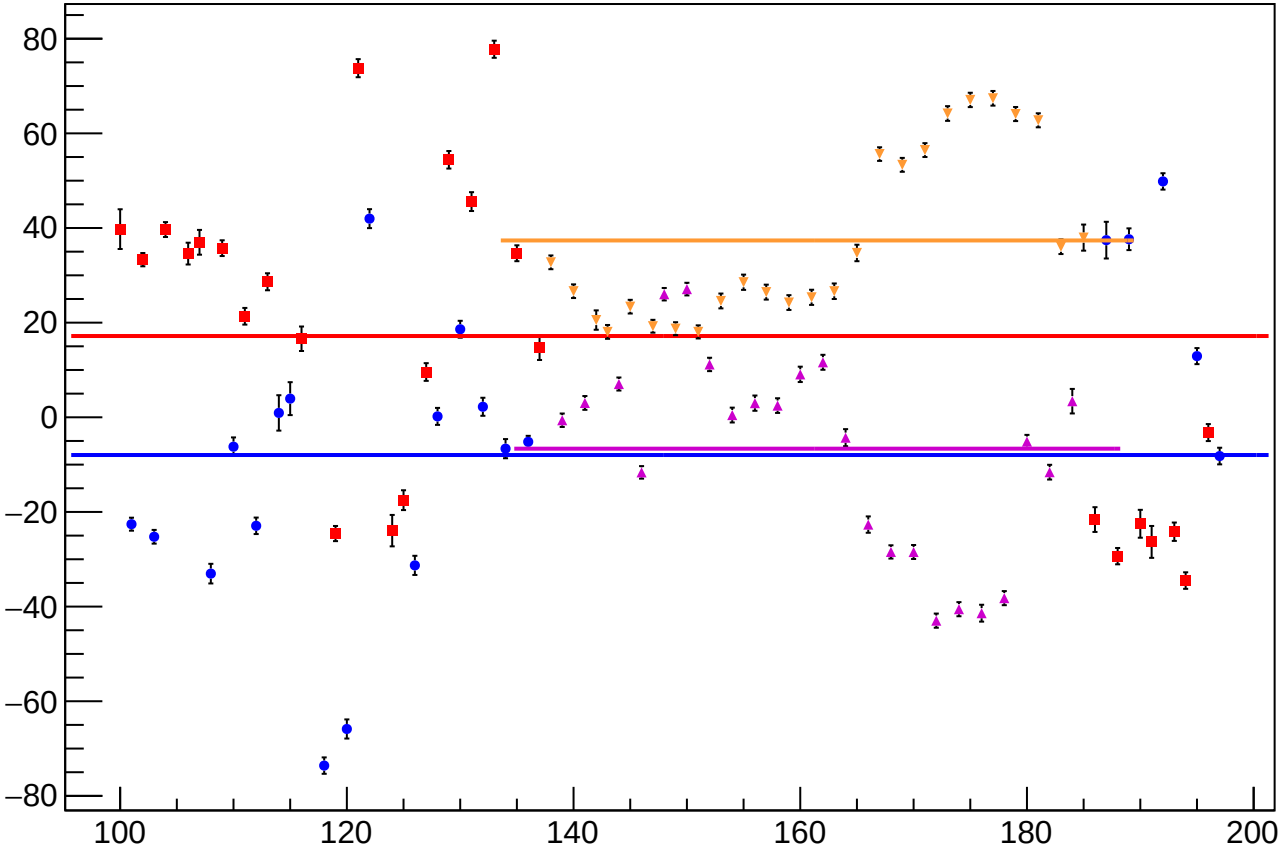
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1549.716+/-0.202 χ^2/NDF: 1322264.2/45

All: 1537.176+/-0.142 χ^2/NDF: 2746628.8/94

- sign 1525.120+/-0.198 χ^2/NDF: 1416821.9/48

diff_bpm0i02Y_mean vs Slug



Right In: -7.970+/-0.405 χ^2/NDF: 5578.8/20

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 17.175+/-0.388 χ^2/NDF: 7241.8/25

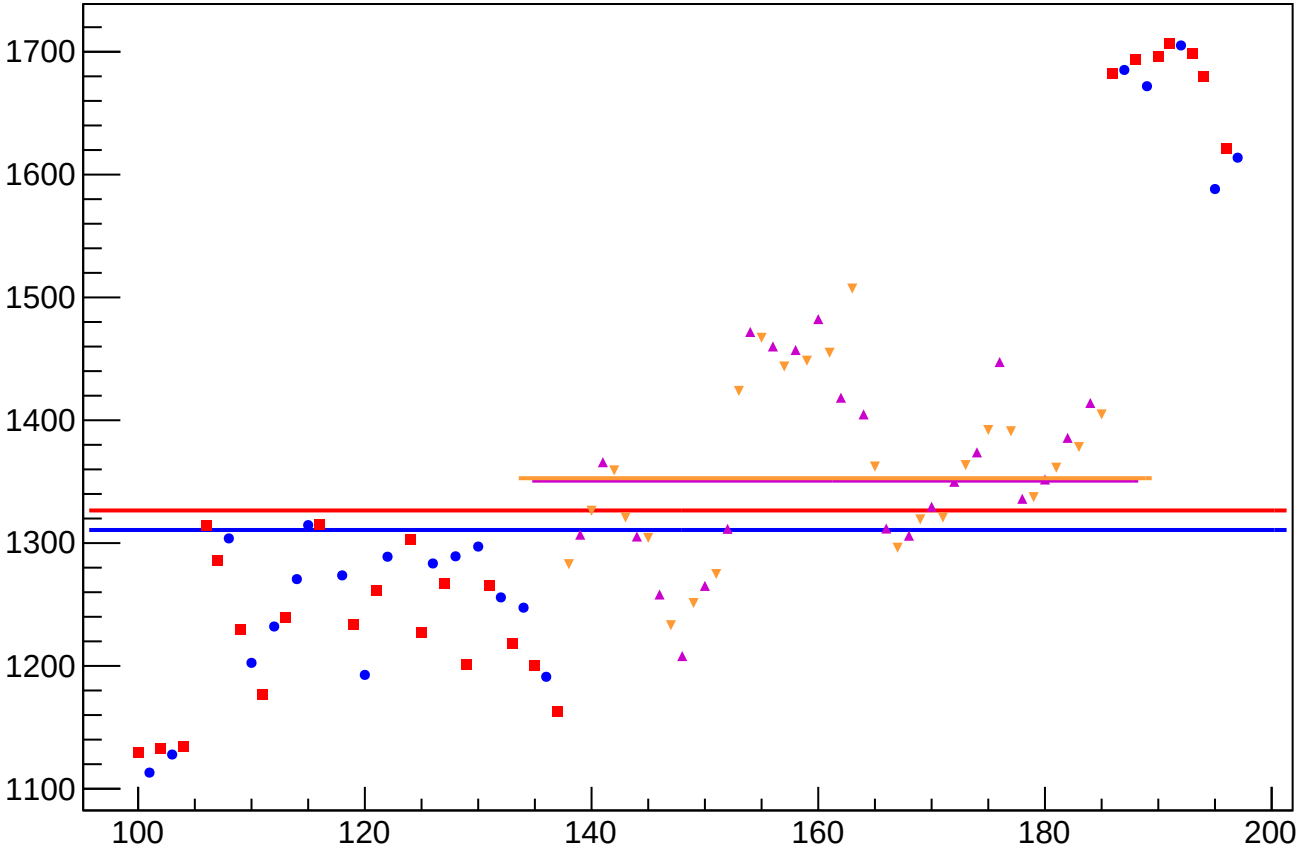
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.783+/-0.245 χ^2/NDF: 16908.6/45

All: 11.821+/-0.173 χ^2/NDF: 33495.7/94

- sign 2.874+/-0.245 χ^2/NDF: 13917.2/48

diff_bpm0i02Y_rms vs Slug



Right In: 1310.672+/-0.287 χ^2/NDF: 398954.9/20

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1326.564+/-0.274 χ^2/NDF: 545475.7/25

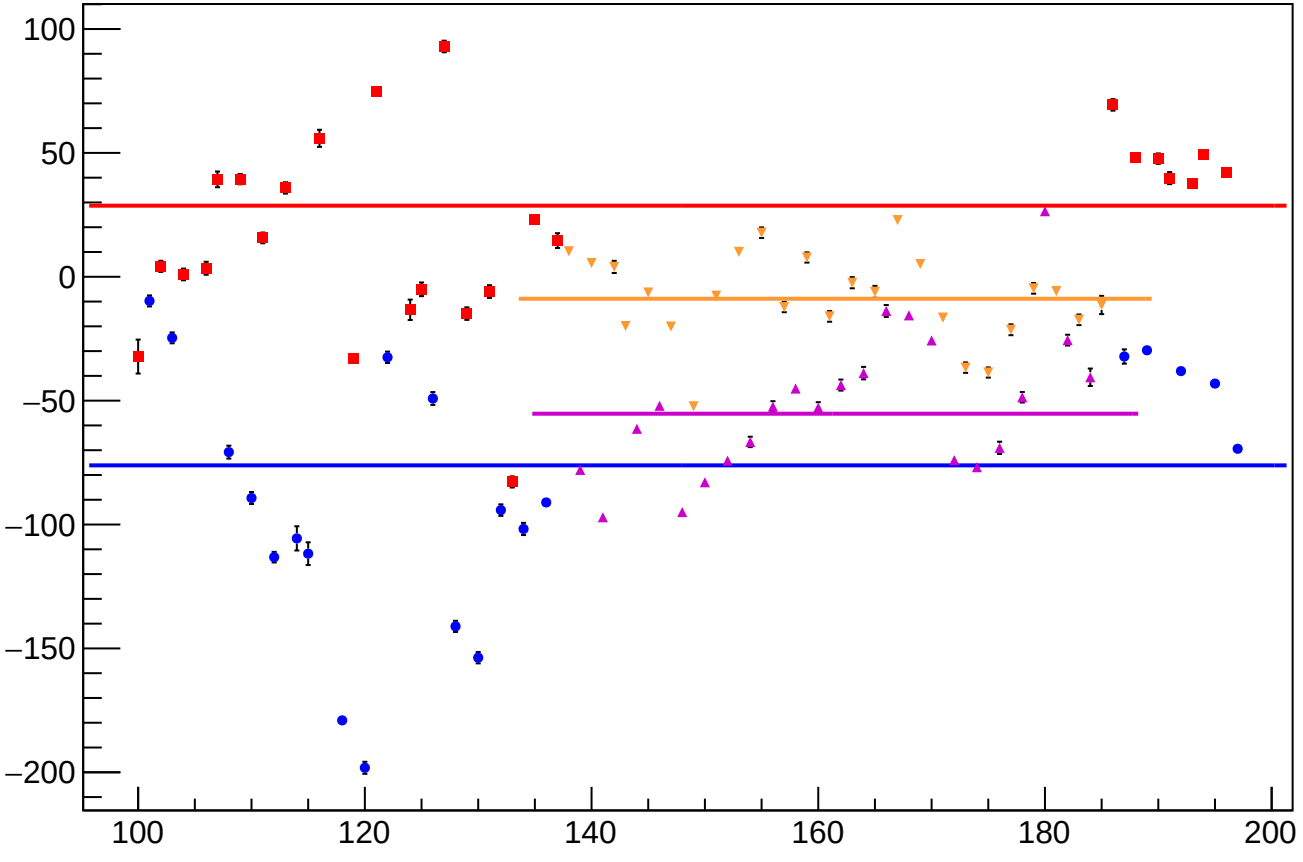
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1337.401+/-0.173 χ^2/NDF: 517513.7/45

All: 1339.272+/-0.123 χ^2/NDF: 1176547.4/94

- sign 1341.141+/-0.173 χ^2/NDF: 658800.8/48

diff_bpm0i02aX_mean vs Slug



Right In: -76.117+/-0.450 χ^2/NDF: 12088.2/20

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 28.700+/-0.417 χ^2/NDF: 7025.3/25

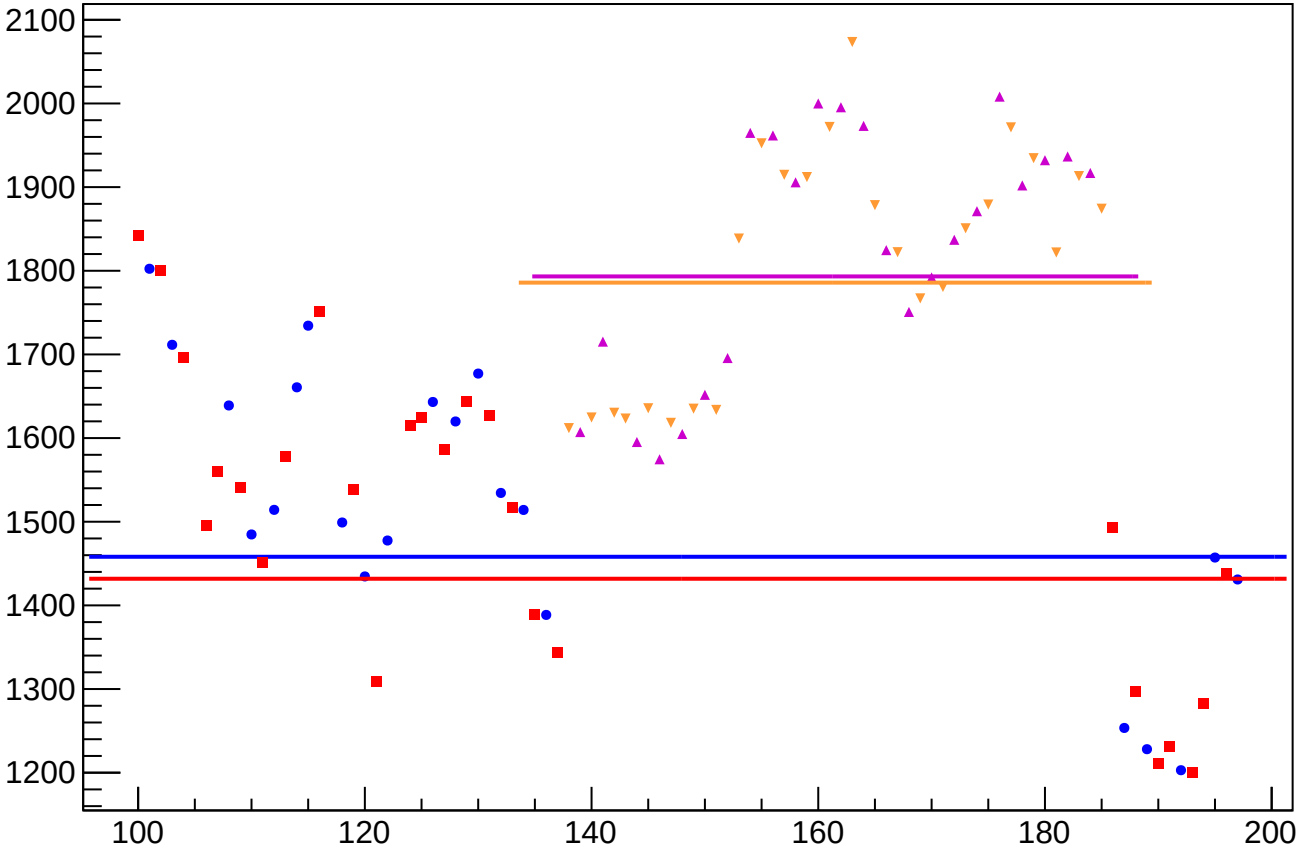
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -39.166+/-0.302 χ^2/NDF: 26335.7/45

All: -25.769+/-0.211 χ^2/NDF: 62087.8/94

- sign -12.889+/-0.296 χ^2/NDF: 31887.2/48

diff_bpm0i02aX_rms vs Slug



Right In: 1458.108+/-0.318 χ^2/NDF: 279025.1/20

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1431.839+/-0.295 χ^2/NDF: 329613.9/25

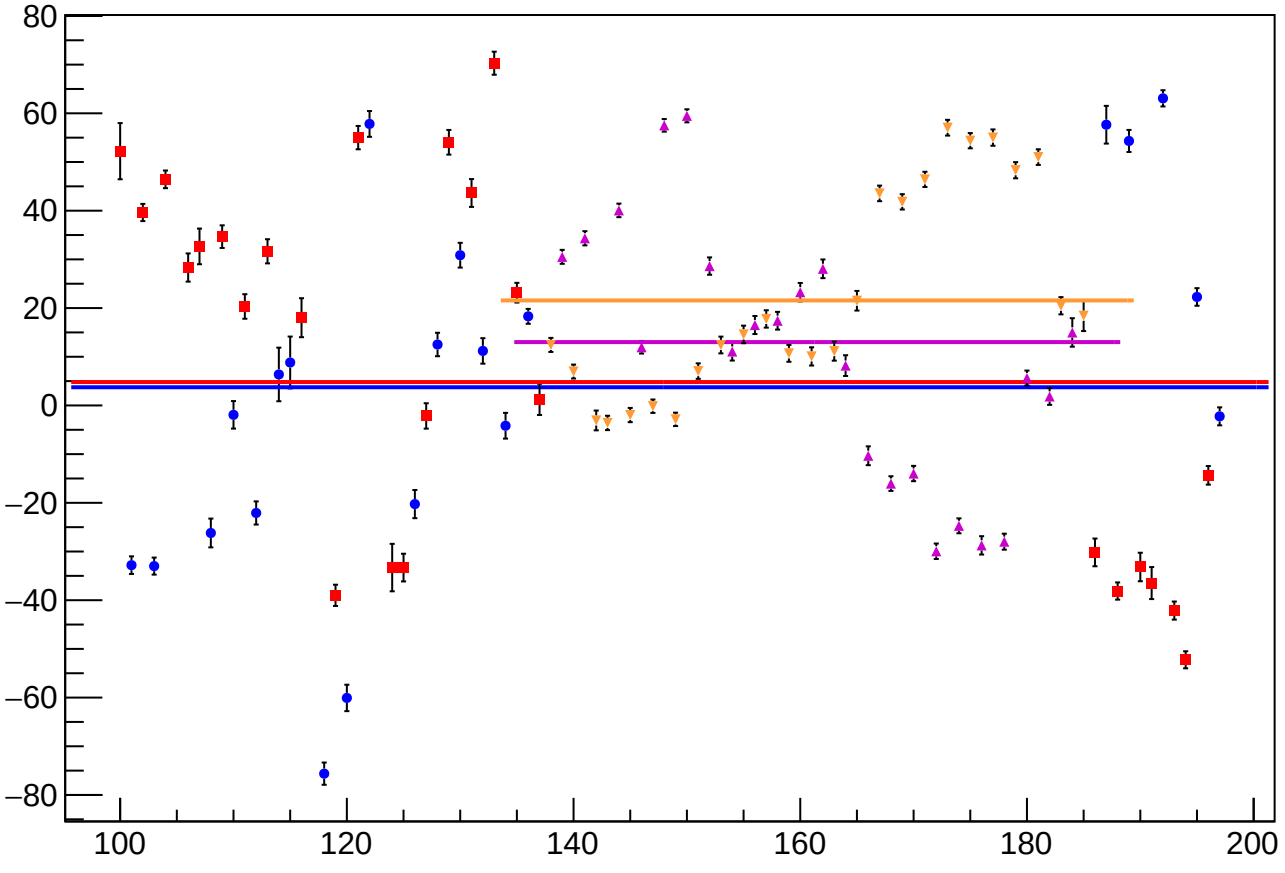
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1638.160+/-0.213 χ^2/NDF: 1100094.1/45

All: 1624.234+/-0.149 χ^2/NDF: 2436569.2/94

- sign 1610.845+/-0.209 χ^2/NDF: 1328122.8/48

diff_bpm0i02aY_mean vs Slug



Right In: 3.738+/-0.502 χ^2/NDF: 5626.4/20

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 4.809+/-0.474 χ^2/NDF: 6799.4/25

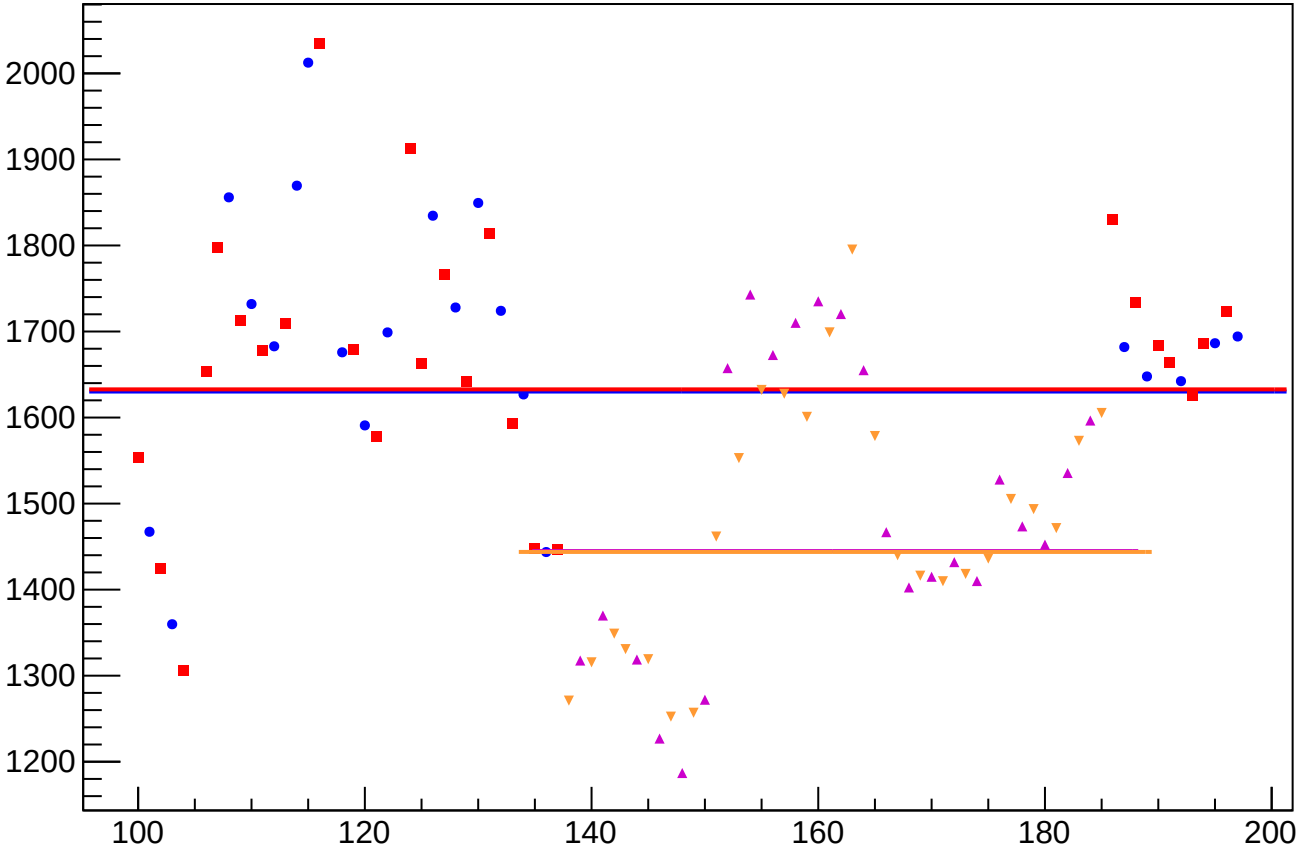
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 16.188+/-0.276 χ^2/NDF: 10668.2/45

All: 13.214+/-0.195 χ^2/NDF: 24526.0/94

- sign 10.226+/-0.276 χ^2/NDF: 13624.5/48

diff_bpm0i02aY_rms vs Slug



Right In: 1630.236+/-0.355 χ^2/NDF: 161233.7/20

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1632.752+/-0.335 χ^2/NDF: 191719.4/25

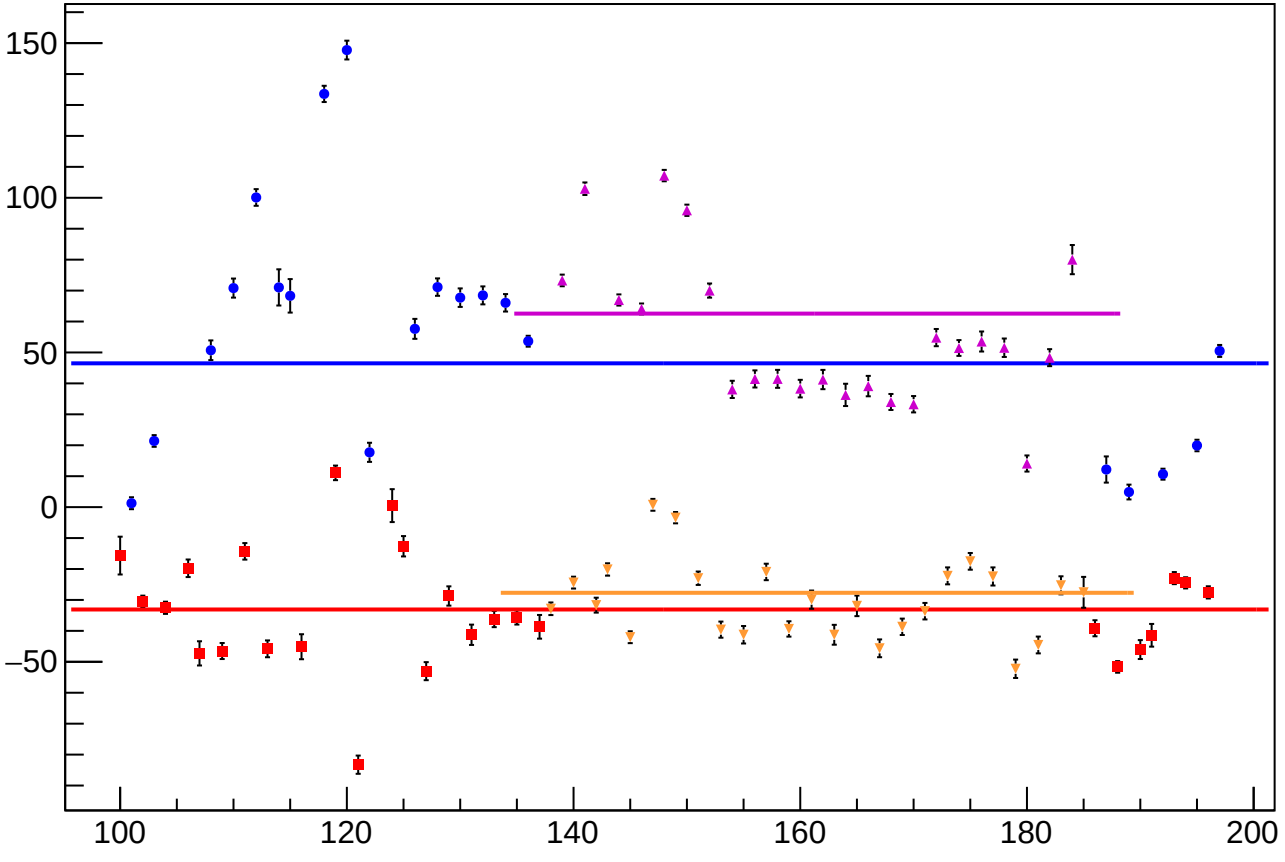
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1500.062+/-0.195 χ^2/NDF: 706251.5/45

All: 1504.353+/-0.138 χ^2/NDF: 1591724.1/94

- sign 1508.662+/-0.195 χ^2/NDF: 884501.6/48

diff_bpm0i05X_mean vs Slug



Right In: 46.485+/-0.549 χ^2/NDF: 4760.5/20

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -33.089+/-0.512 χ^2/NDF: 1115.9/25

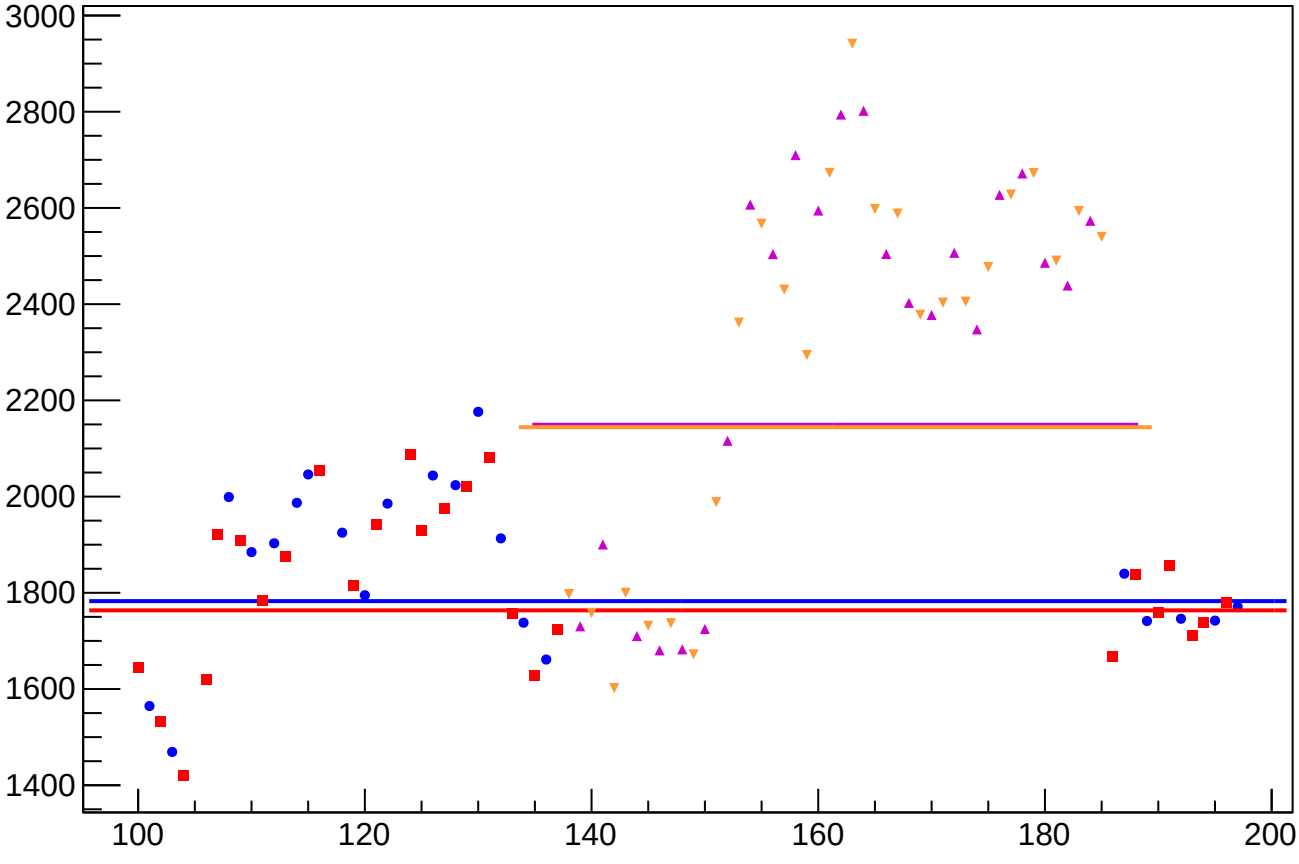
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 5.637+/-0.368 χ^2/NDF: 15574.7/45

All: 10.267+/-0.258 χ^2/NDF: 36922.9/94

- sign 14.743+/-0.362 χ^2/NDF: 21037.0/48

diff_bpm0i05X_rms vs Slug



Right In: 1782.734+/-0.388 χ^2/NDF: 196854.7/20

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1763.502+/-0.362 χ^2/NDF: 199043.0/25

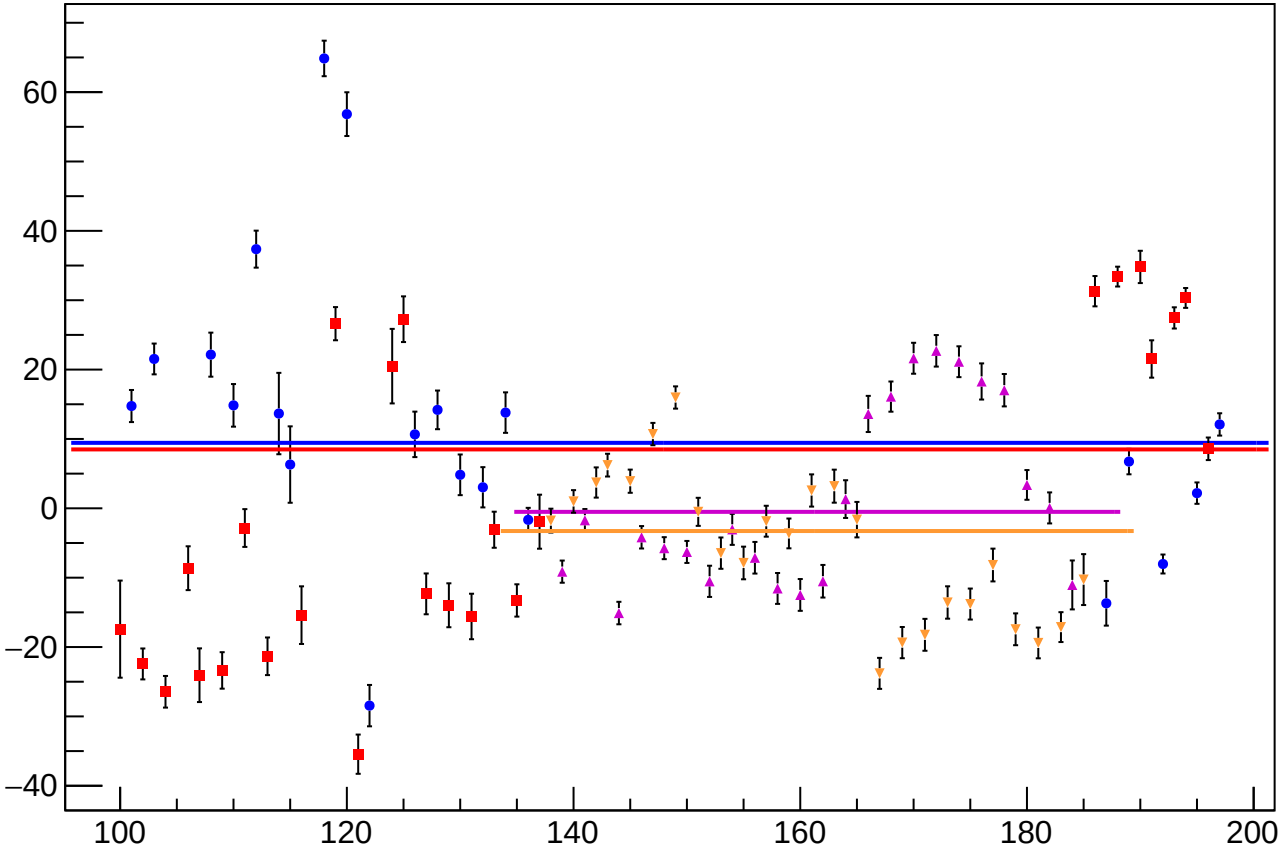
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1981.795+/-0.260 χ^2/NDF: 1953972.3/45

All: 1968.913+/-0.182 χ^2/NDF: 3991951.7/94

- sign 1956.462+/-0.256 χ^2/NDF: 2033162.3/48

diff_bpm0i05Y_mean vs Slug



Right In: 9.439+/-0.513 χ^2/NDF: 1315.3/20

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

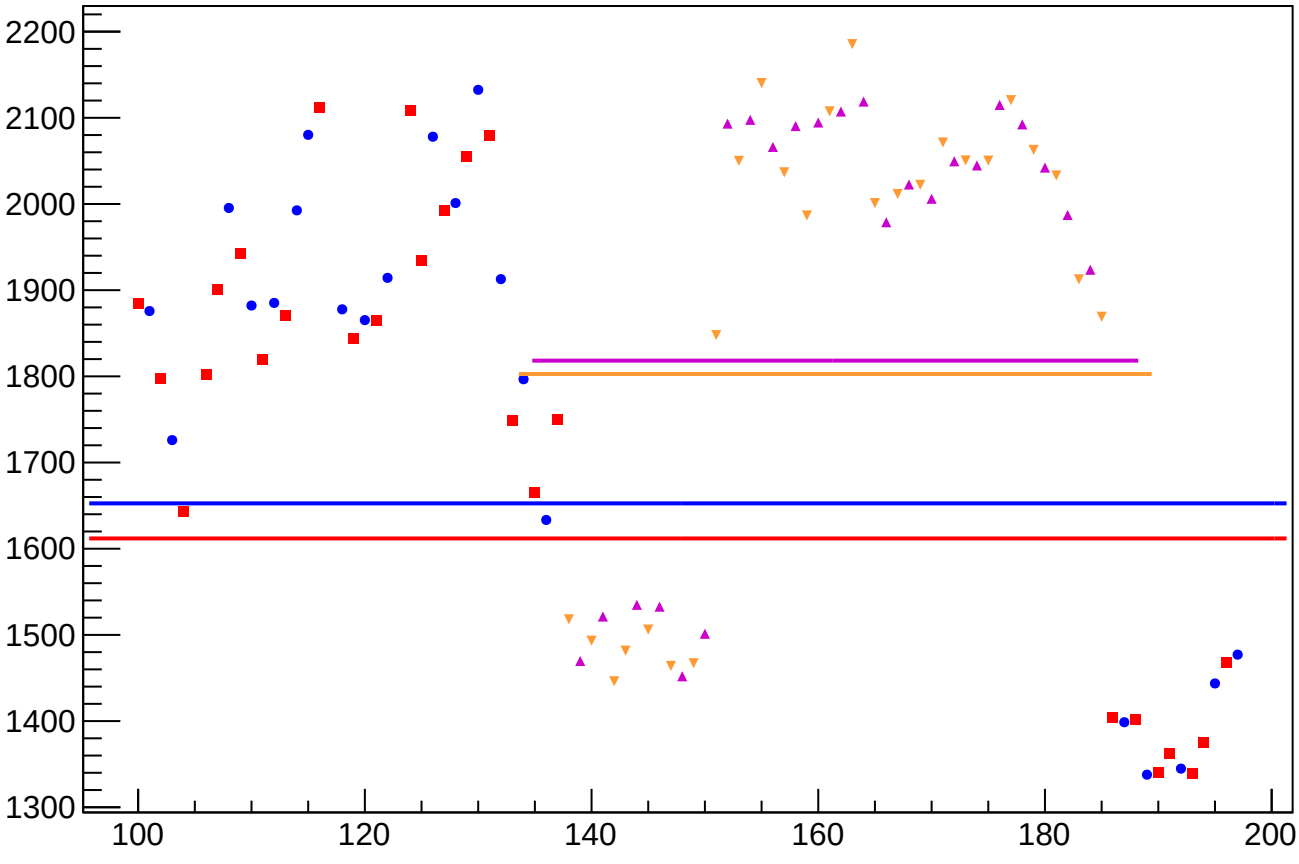
Right Out: 8.490+/-0.471 χ^2/NDF: 2413.5/25

Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.754+/-0.322 χ^2/NDF: 2358.3/45

All: 2.678+/-0.226 χ^2/NDF: 5733.0/94

- sign 3.575+/-0.318 χ^2/NDF: 3358.5/48



Right In: 1652.615+/-0.362 χ^2/NDF: 502128.4/20

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1611.905+/-0.333 χ^2/NDF: 558520.2/25

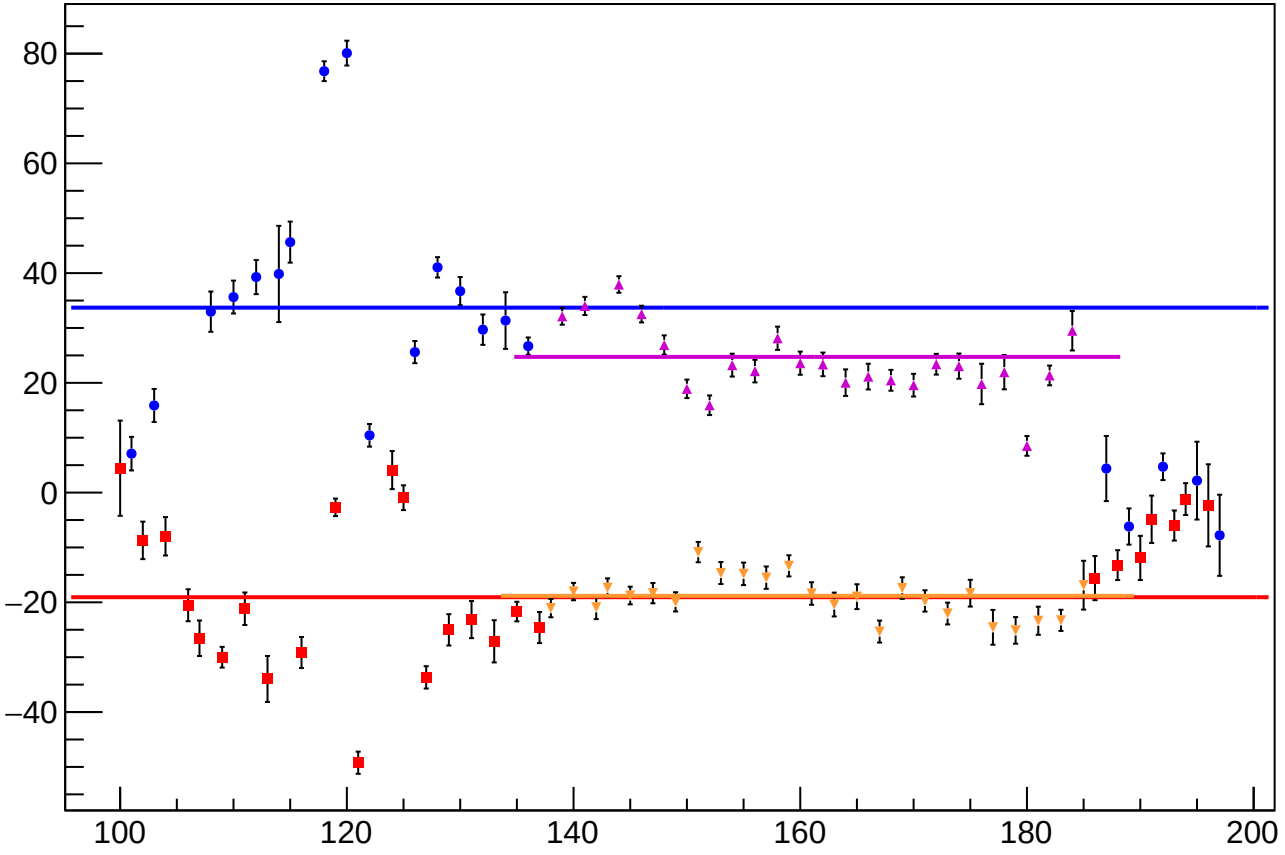
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1743.367+/-0.228 χ^2/NDF: 1503212.8/45

All: 1733.827+/-0.160 χ^2/NDF: 3114766.0/94

- sign 1724.568+/-0.225 χ^2/NDF: 1608101.8/48

diff_bpm0i07X_mean vs Slug



Right In: 33.705+/-0.586 χ^2/NDF: 1658.6/20

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -19.067+/-0.540 χ^2/NDF: 681.9/25

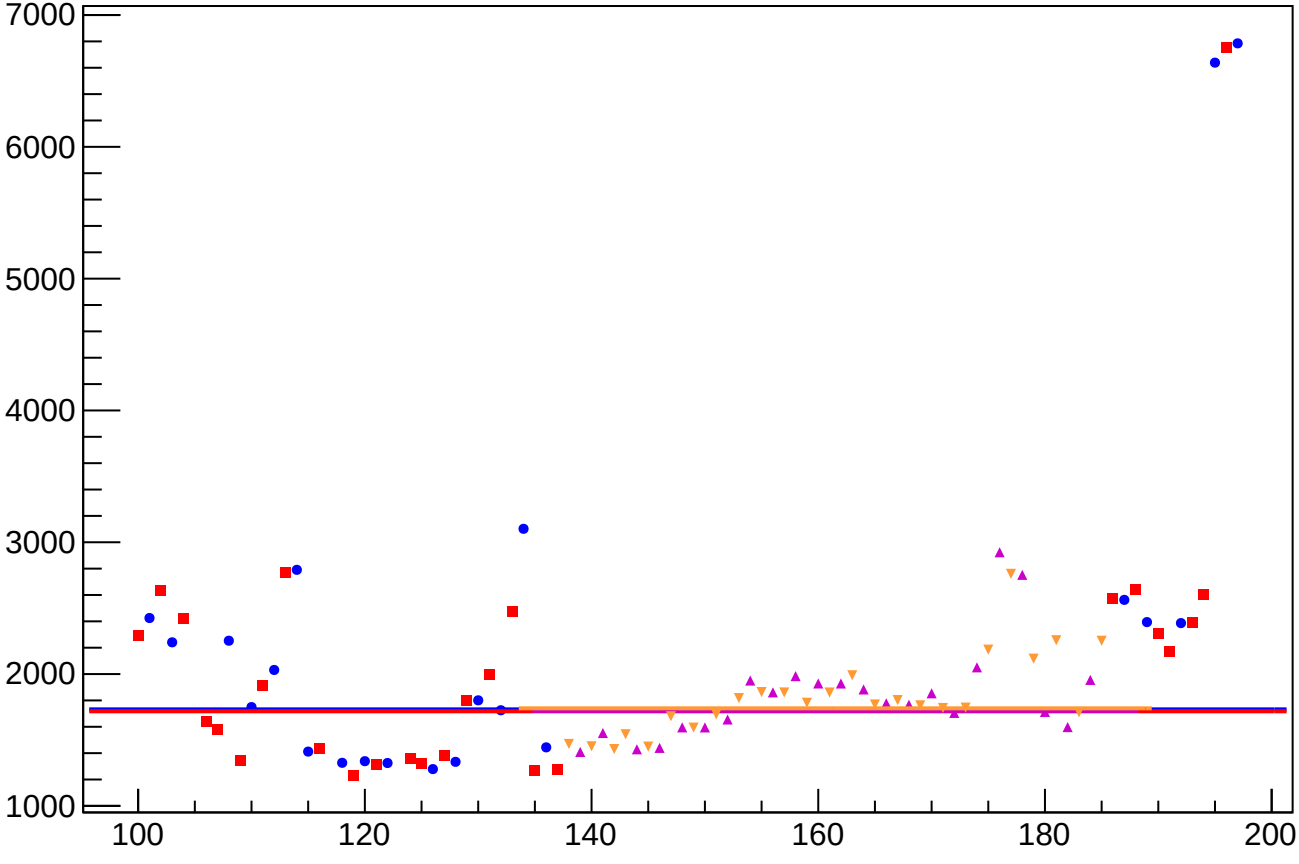
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

+ sign -2.025+/-0.332 χ^2/NDF: 7192.5/45

All: 3.471+/-0.232 χ^2/NDF: 12902.8/94

- sign 8.785+/-0.326 χ^2/NDF: 5169.6/48

diff_bpm0i07X_rms vs Slug



Right In: 1732.174+/-0.415 χ^2/NDF: 3058839.0/20

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1717.473+/-0.382 χ^2/NDF: 2745634.8/25

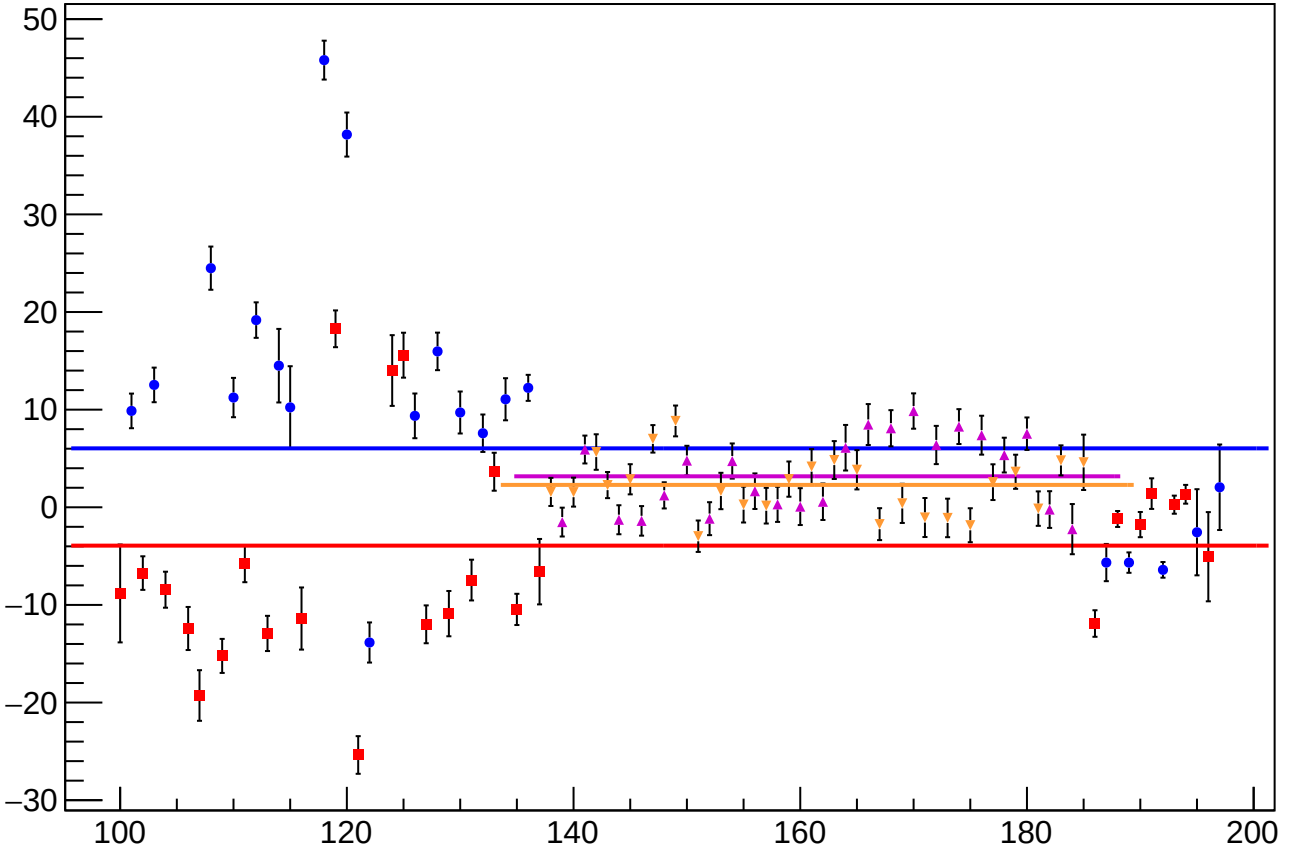
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1737.559+/-0.234 χ^2/NDF: 3812464.5/45

All: 1728.443+/-0.164 χ^2/NDF: 7445113.9/94

- sign 1719.630+/-0.231 χ^2/NDF: 3629675.3/48

diff_bpm0i07Y_mean vs Slug



Right In: 6.036+/-0.384 χ^2/NDF: 1314.6/20

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.928+/-0.322 χ^2/NDF: 663.8/25

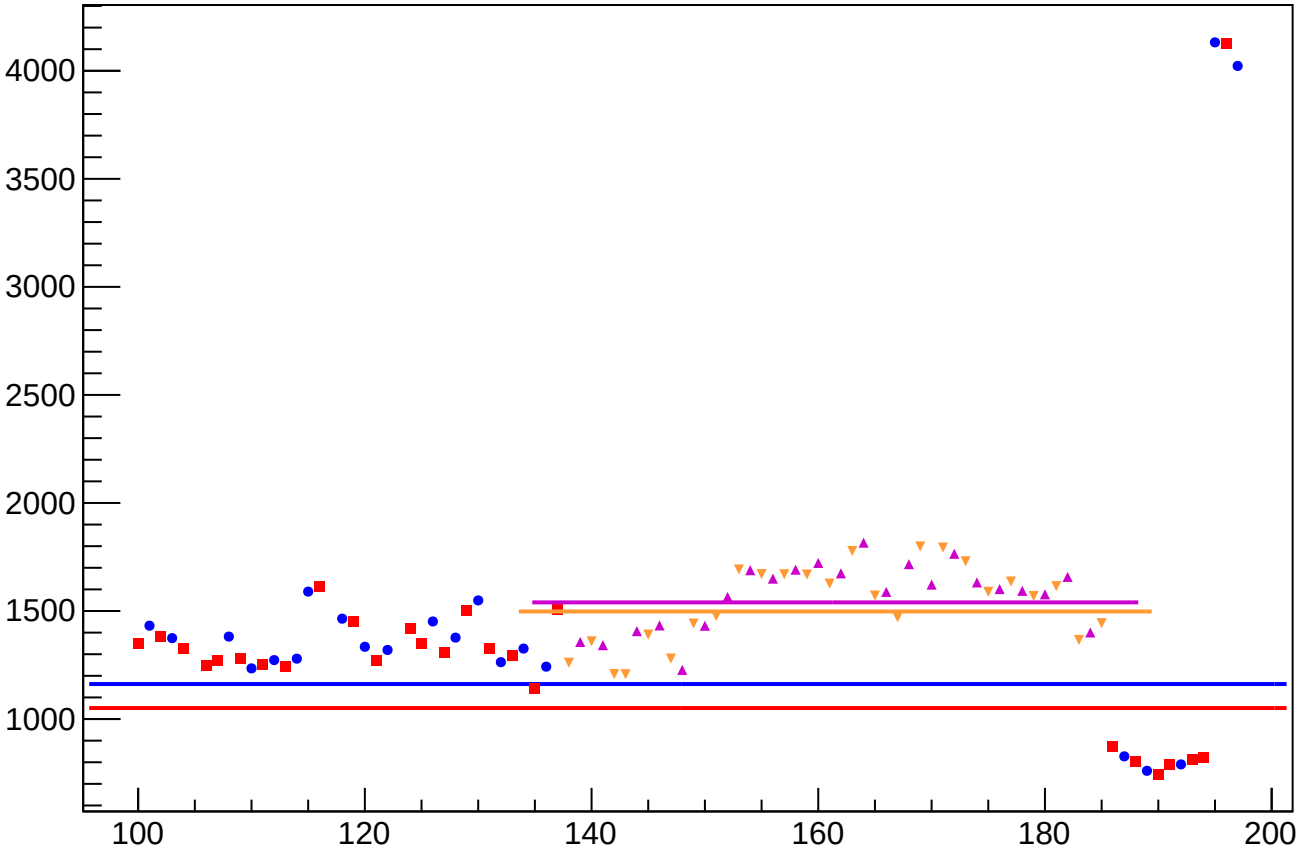
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.955+/-0.256 χ^2/NDF: 1440.9/45

All: 1.438+/-0.175 χ^2/NDF: 2611.5/94

- sign -0.790+/-0.241 χ^2/NDF: 988.4/48

diff_bpm0i07Y_rms vs Slug



Right In: 1162.007+/-0.272 χ^2/NDF: 2888616.6/20

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1050.954+/-0.228 χ^2/NDF: 2236173.7/25

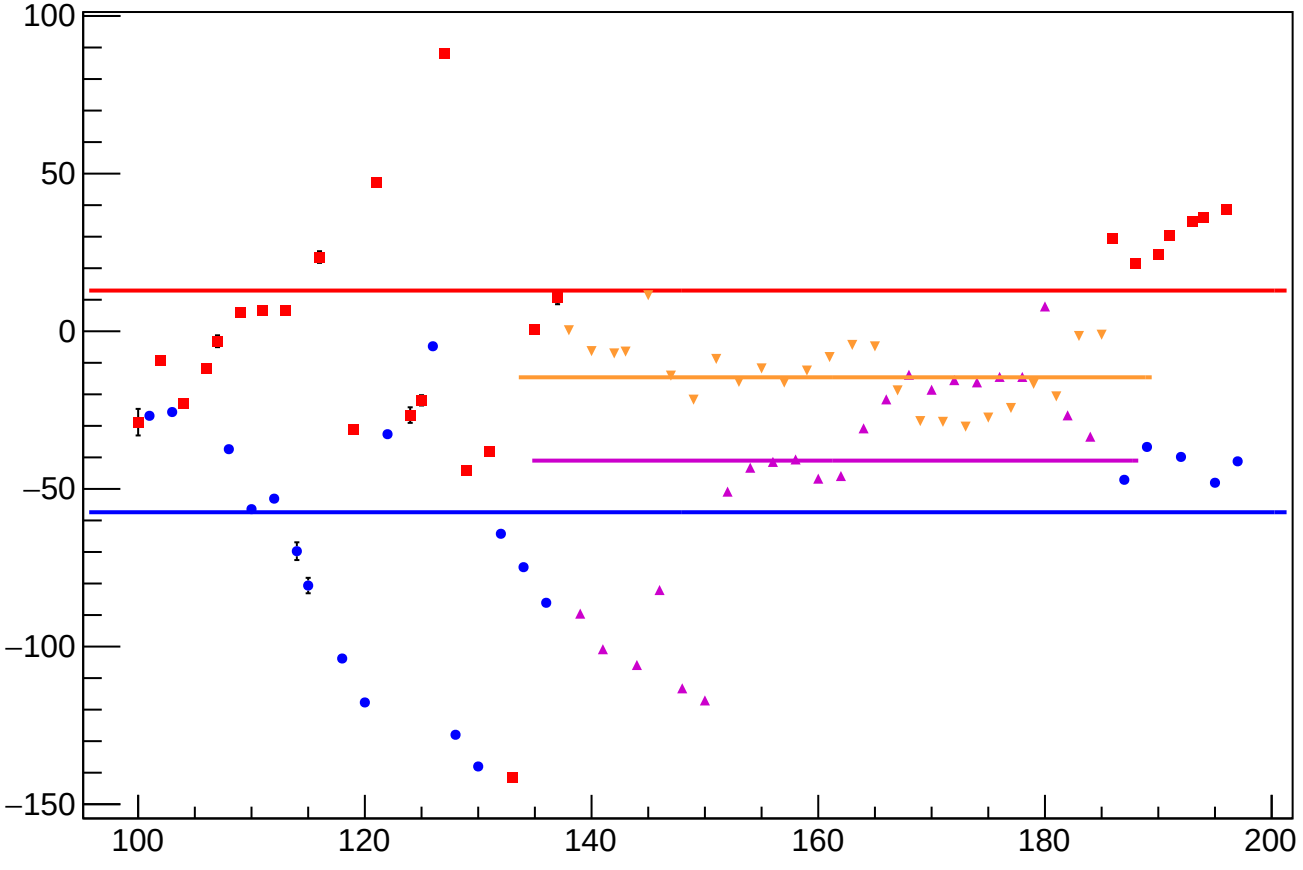
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1348.601+/-0.181 χ^2/NDF: 4305873.7/45

All: 1305.302+/-0.124 χ^2/NDF: 9061714.3/94

- sign 1266.978+/-0.170 χ^2/NDF: 4648044.8/48

diff_bpm1i02X_mean vs Slug



Right In: -57.395+/-0.248 χ^2/NDF: 15961.3/20

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 12.915+/-0.229 χ^2/NDF: 27534.4/25

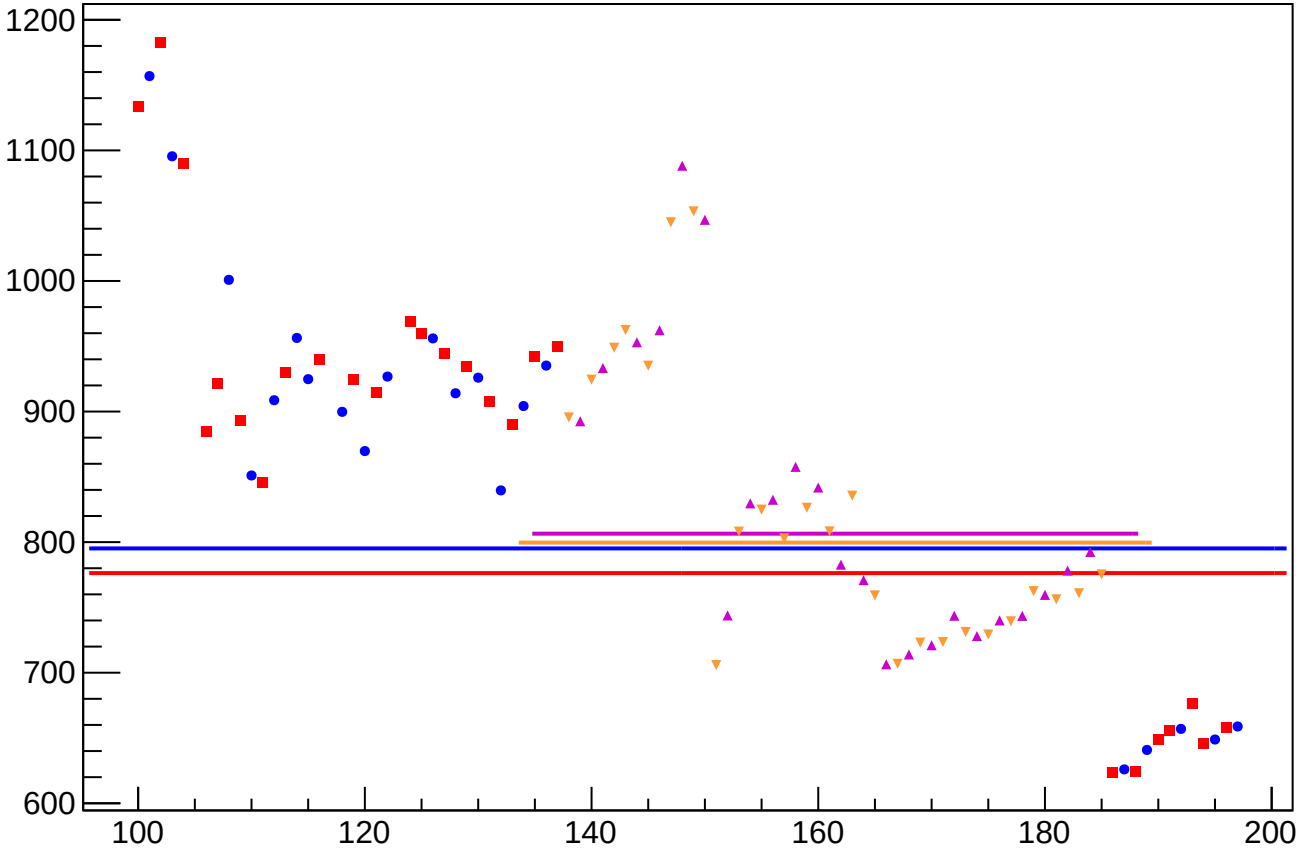
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -29.669+/-0.147 χ^2/NDF: 38392.8/45

All: -24.303+/-0.104 χ^2/NDF: 132568.2/94

- sign -19.025+/-0.146 χ^2/NDF: 91541.2/48

diff_bpm1i02X_rms vs Slug



Right In: 795.176+/-0.175 χ^2/NDF: 771248.9/20

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 776.288+/-0.162 χ^2/NDF: 928334.5/25

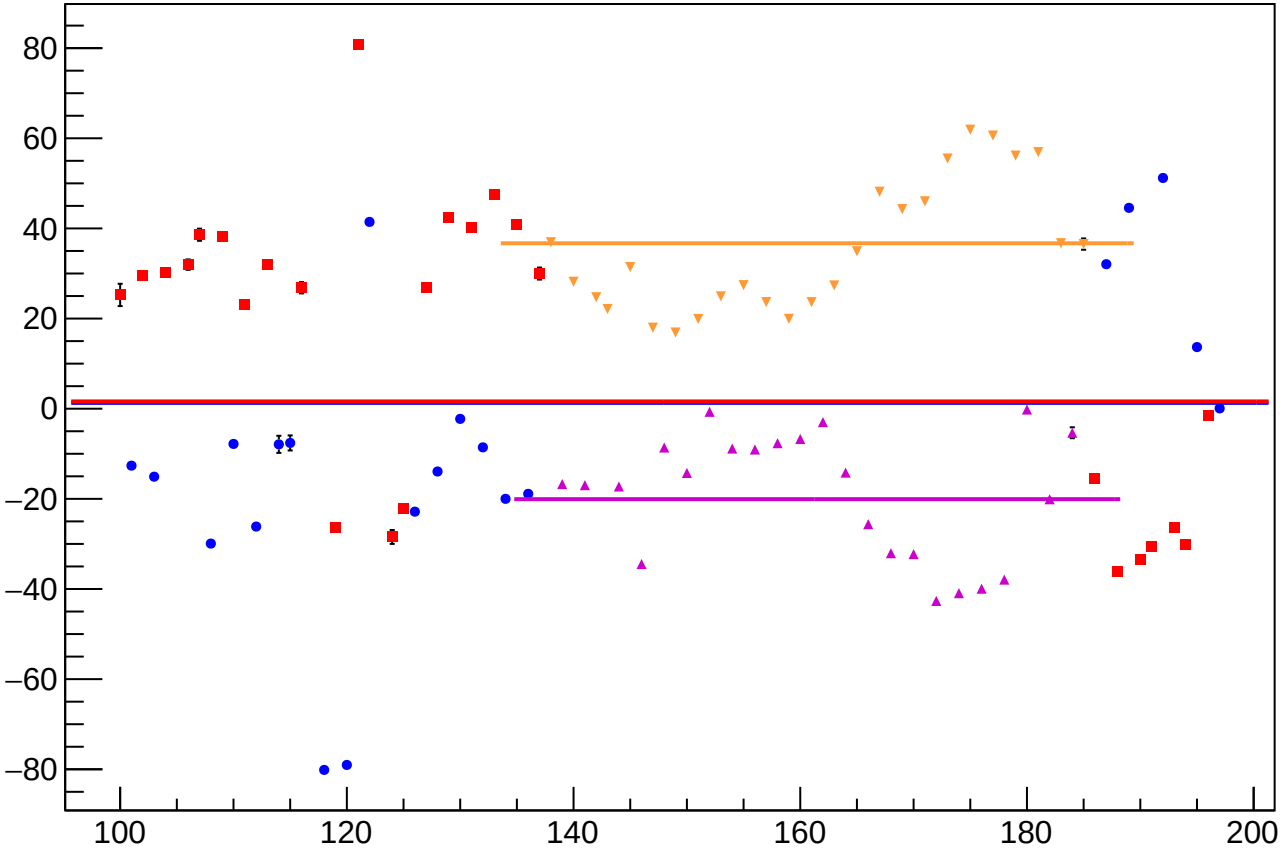
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 798.068+/-0.104 χ^2/NDF: 1269098.8/45

All: 796.101+/-0.073 χ^2/NDF: 2730076.7/94

- sign 794.166+/-0.103 χ^2/NDF: 1460270.1/48

diff_bpm1i02Y_mean vs Slug



Right In: 1.299+/-0.174 χ^2/NDF: 37513.7/20

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 1.615+/-0.162 χ^2/NDF: 42865.7/25

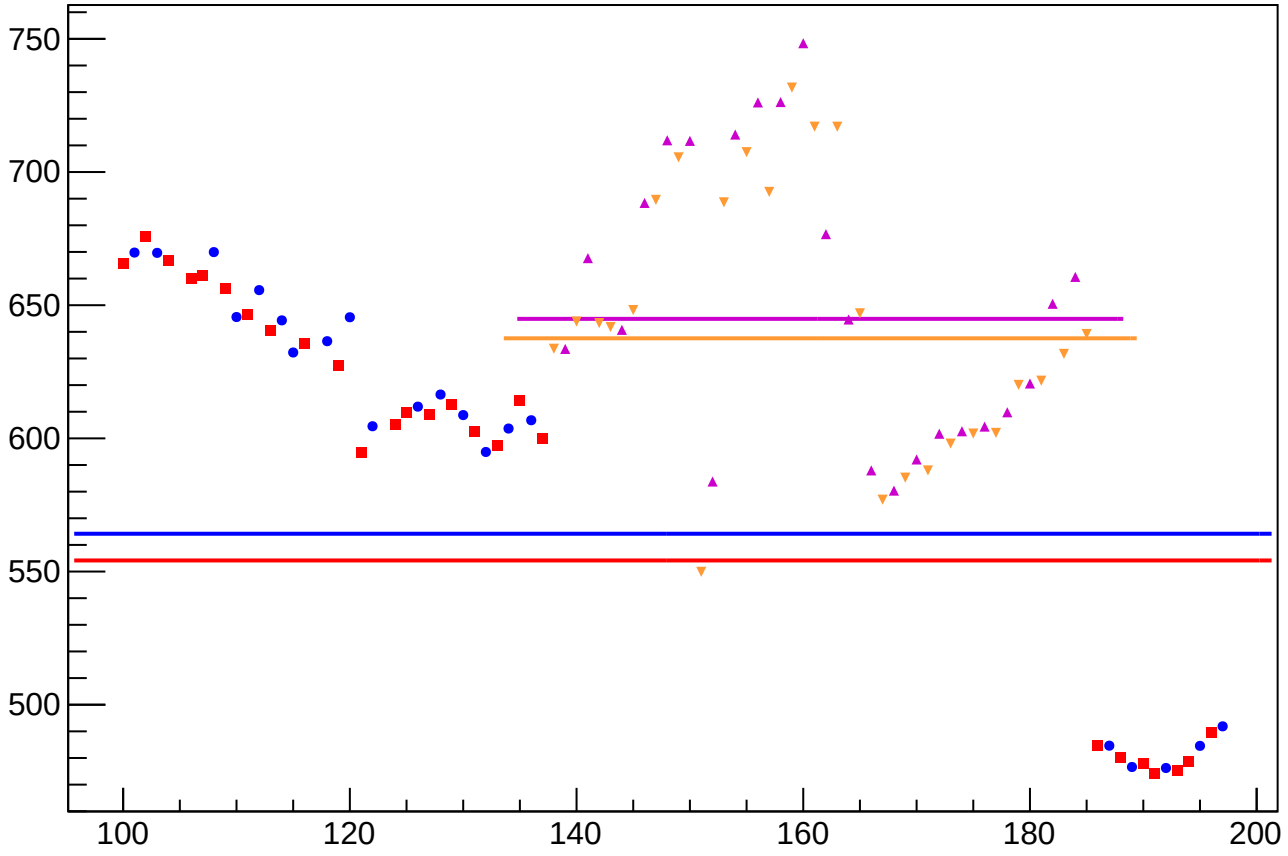
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 22.177+/-0.112 χ^2/NDF: 72065.1/45

All: 5.934+/-0.079 χ^2/NDF: 174925.2/94

- sign -9.941+/-0.110 χ^2/NDF: 61029.0/48

diff_bpm1i02Y_rms vs Slug



Right In: 564.194+/-0.123 χ^2/NDF: 377933.3/20

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 554.162+/-0.114 χ^2/NDF: 452018.8/25

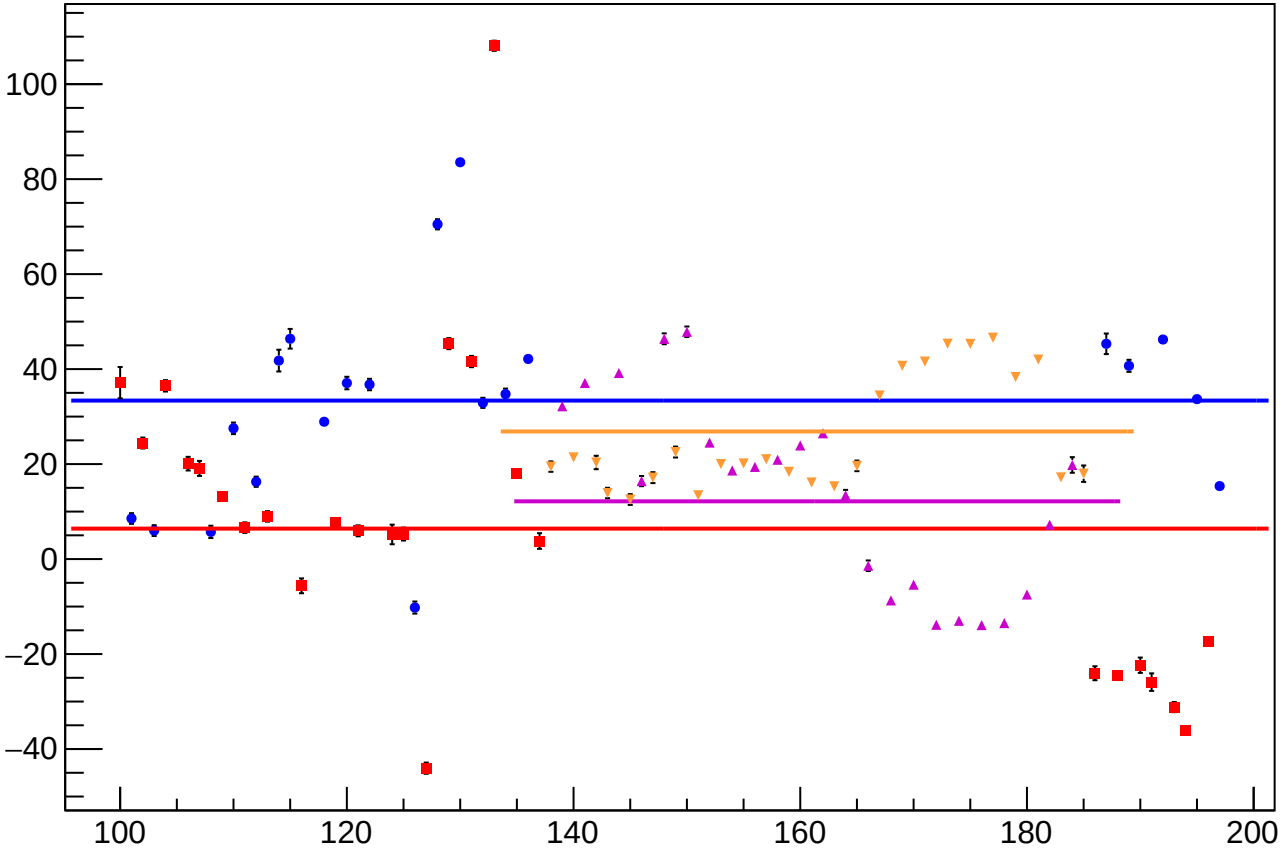
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 607.462+/-0.079 χ^2/NDF: 823384.7/45

All: 604.954+/-0.056 χ^2/NDF: 1843038.7/94

- sign 602.502+/-0.078 χ^2/NDF: 1017659.1/48

diff_bpm1i04X_mean vs Slug



Right In: 33.372+/-0.251 χ^2/NDF: 7263.0/20

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 6.413+/-0.240 χ^2/NDF: 19990.9/25

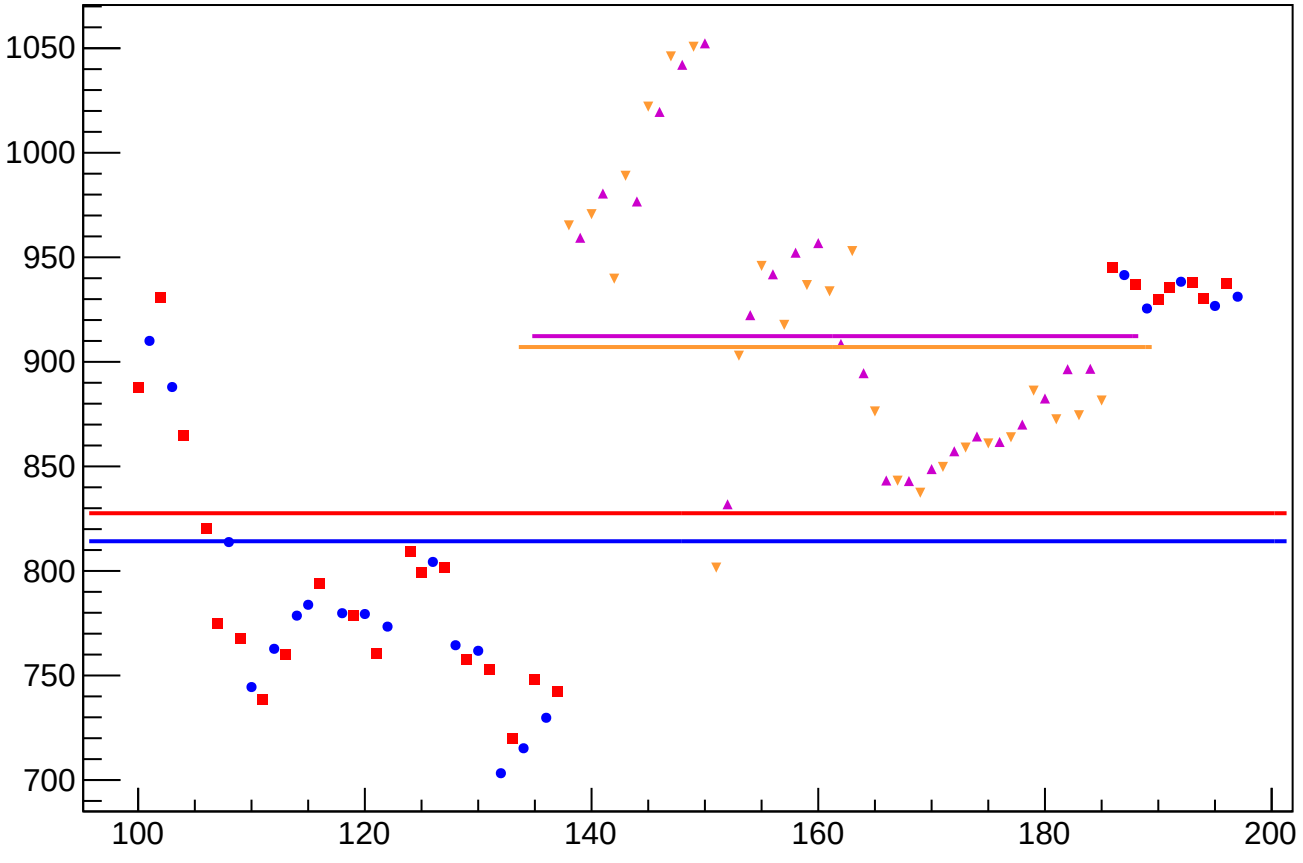
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 29.499+/-0.159 χ^2/NDF: 11054.3/45

All: 19.571+/-0.113 χ^2/NDF: 47672.2/94

- sign 9.620+/-0.160 χ^2/NDF: 28857.3/48

diff_bpm1i04X_rms vs Slug



Right In: 814.206+/-0.177 χ^2/NDF: 218992.9/20

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 827.605+/-0.170 χ^2/NDF: 234772.9/25

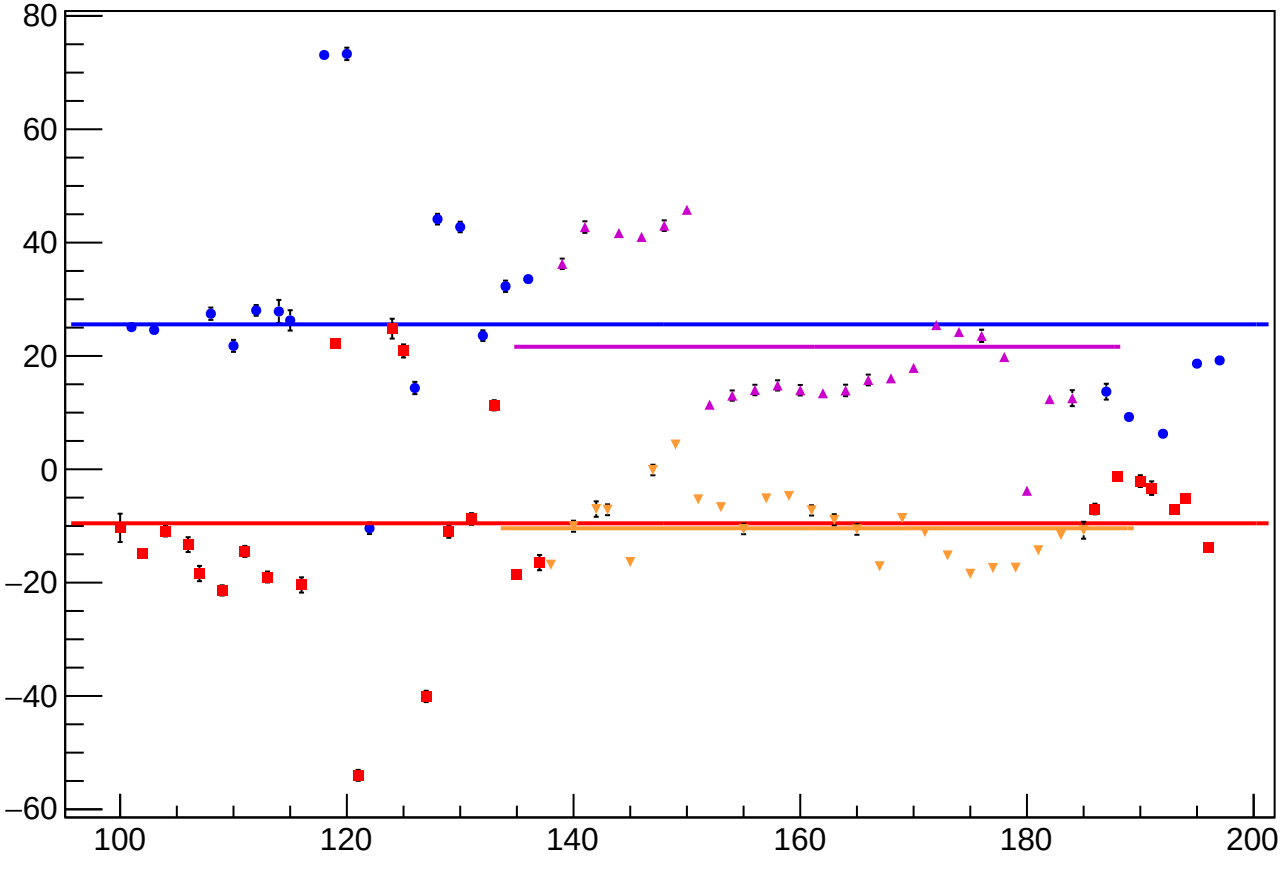
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 869.506+/-0.113 χ^2/NDF: 577051.5/45

All: 872.191+/-0.080 χ^2/NDF: 1126491.0/94

- sign 874.881+/-0.113 χ^2/NDF: 548304.7/48

diff_bpm1i04Y_mean vs Slug



Right In: 25.576+/-0.192 χ^2/NDF: 8922.8/20

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -9.530+/-0.184 χ^2/NDF: 7026.9/25

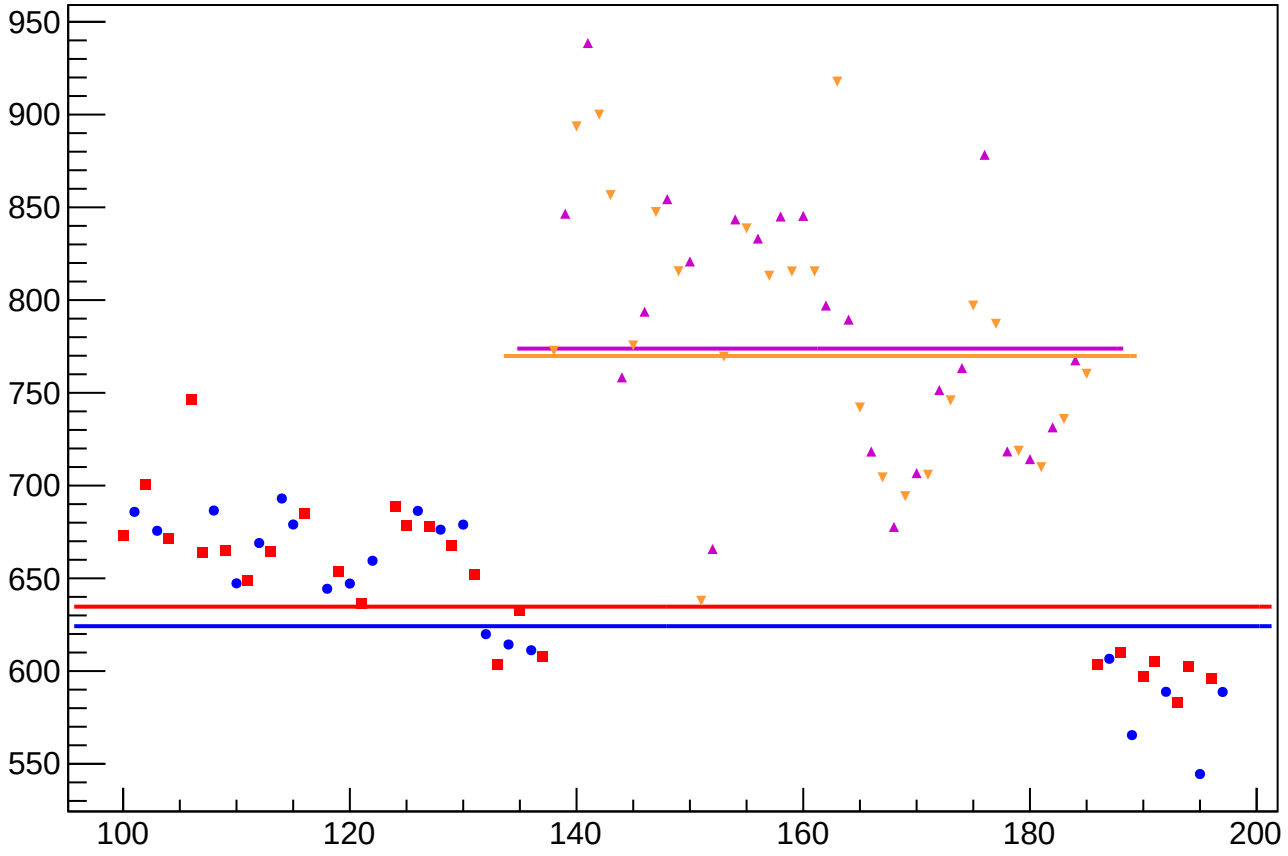
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 6.011+/-0.130 χ^2/NDF: 29035.1/45

All: 6.106+/-0.092 χ^2/NDF: 55817.6/94

- sign 6.200+/-0.129 χ^2/NDF: 26781.4/48

diff_bpm1i04Y_rms vs Slug



Right In: 624.203+/-0.136 χ^2/NDF: 119938.7/20

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 634.728+/-0.130 χ^2/NDF: 86282.7/25

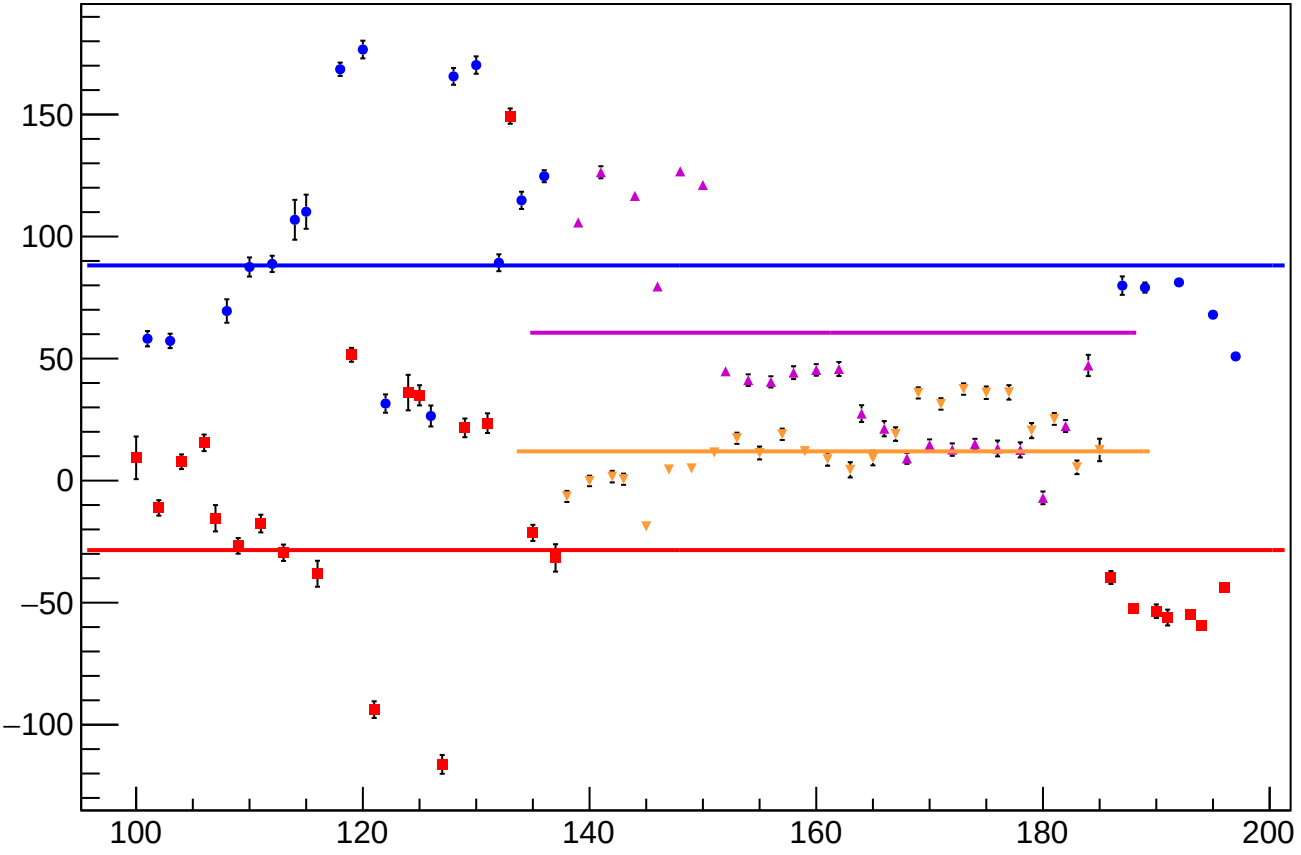
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 703.399+/-0.092 χ^2/NDF: 1049360.9/45

All: 704.191+/-0.065 χ^2/NDF: 1997507.3/94

- sign 704.978+/-0.091 χ^2/NDF: 947997.7/48

diff_bpm1i06X_mean vs Slug



Right In: 88.165+/-0.613 χ^2/NDF: 4068.9/20

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -28.459+/-0.575 χ^2/NDF: 6909.1/25

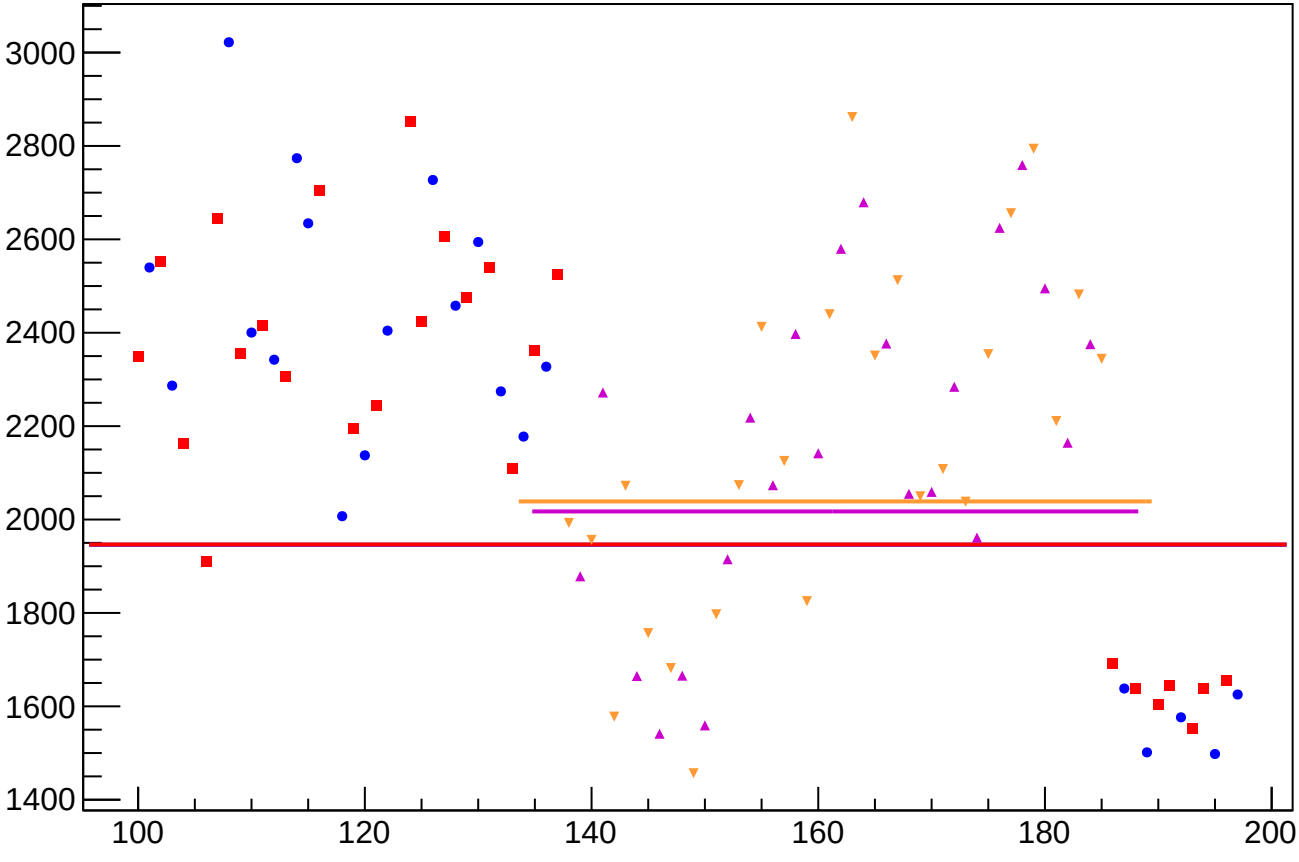
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

\+ sign 40.281+/-0.374 χ^2/NDF: 14708.7/45

All: 31.983+/-0.263 χ^2/NDF: 45355.9/94

\- sign 23.909+/-0.369 χ^2/NDF: 29675.1/48

diff_bpm1i06X_rms vs Slug



Right In: 1946.059+/-0.434 χ^2/NDF: 1007265.4/20

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1946.590+/-0.406 χ^2/NDF: 885331.3/25

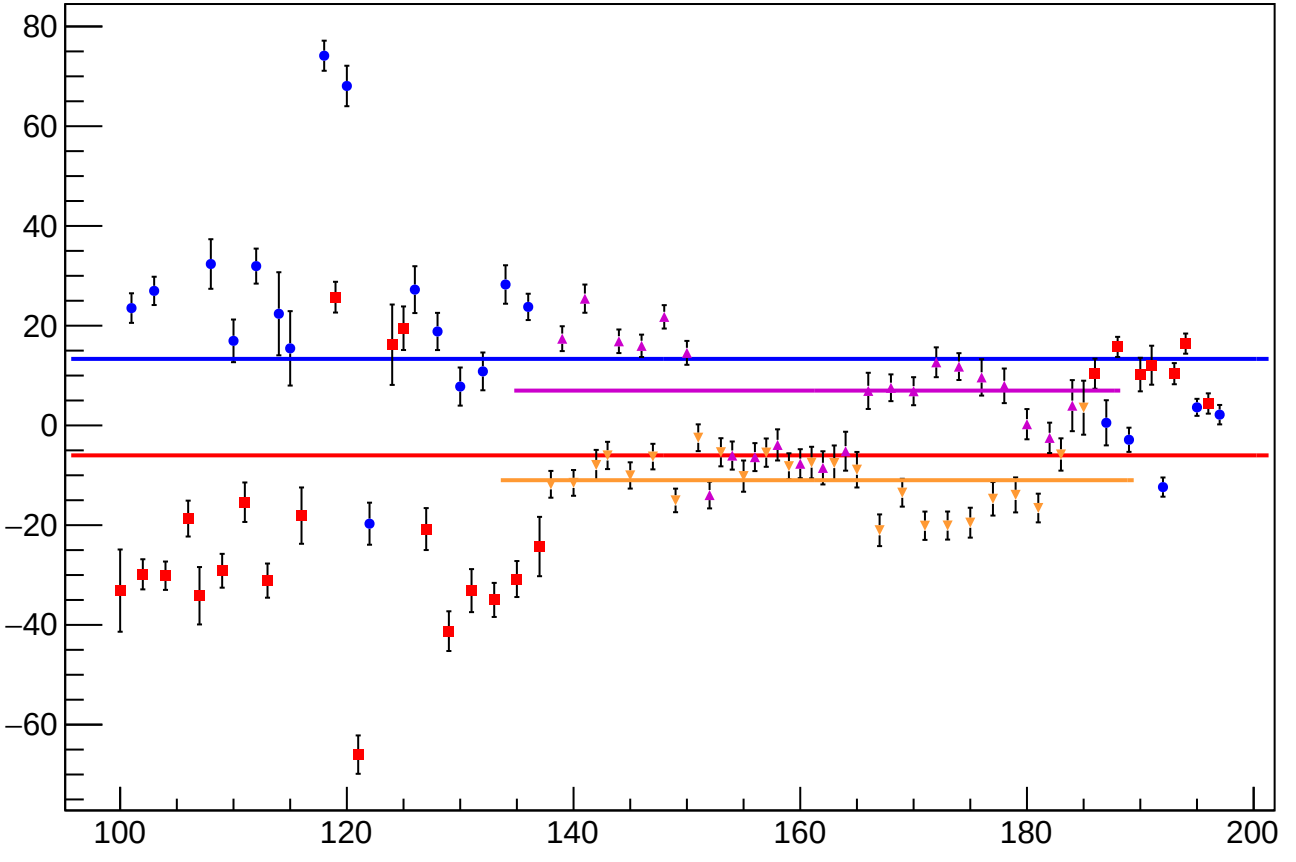
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2004.345+/-0.264 χ^2/NDF: 2159506.3/45

All: 1996.155+/-0.186 χ^2/NDF: 4114602.3/94

- sign 1988.185+/-0.261 χ^2/NDF: 1953201.9/48

diff_bpm1i06Y_mean vs Slug



Right In: 13.341+/-0.669 χ^2/NDF: 1069.3/20

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -6.006+/-0.639 χ^2/NDF: 1341.1/25

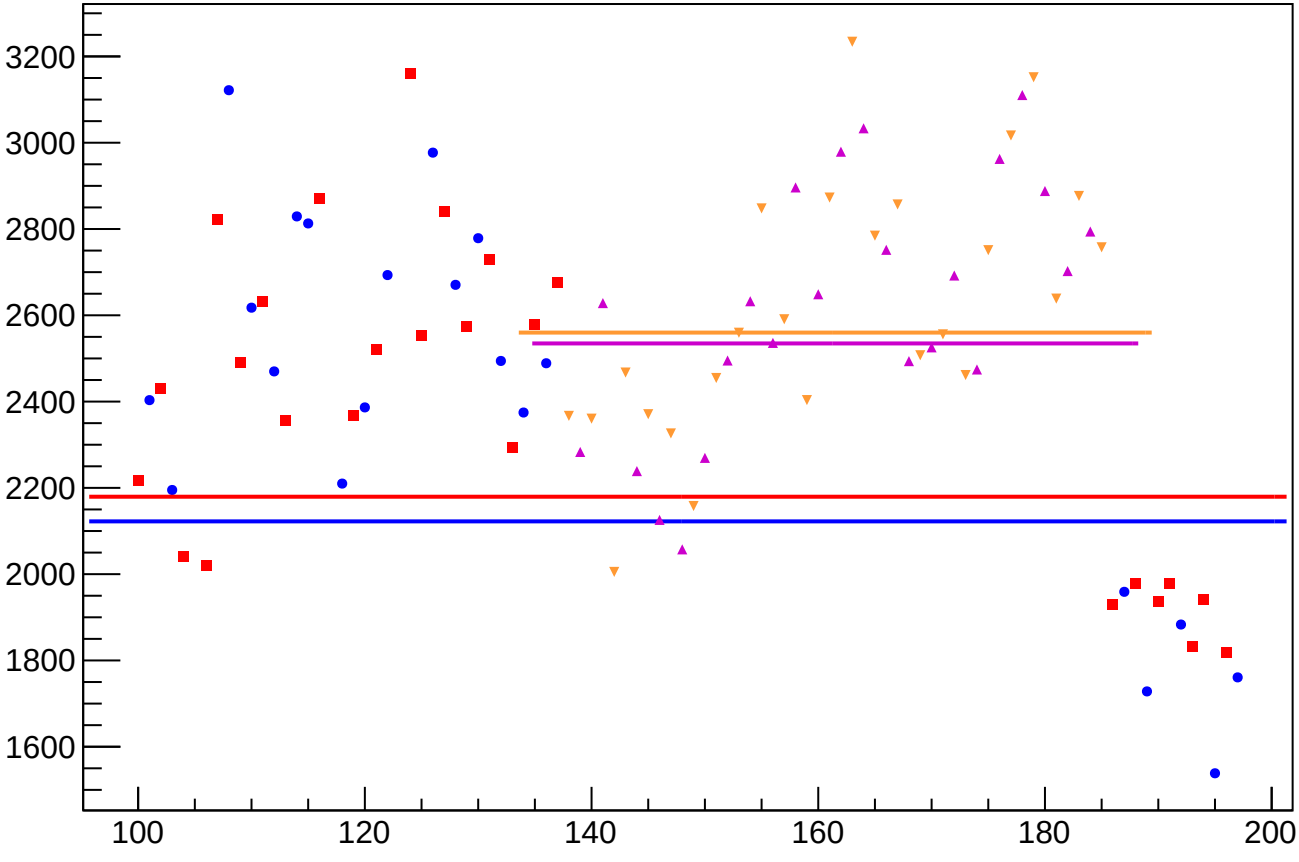
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.422+/-0.441 χ^2/NDF: 1905.4/45

All: 0.254+/-0.310 χ^2/NDF: 3810.8/94

- sign 0.918+/-0.437 χ^2/NDF: 1900.7/48

diff_bpm1i06Y_rms vs Slug



Right In: 2122.345+/-0.473 χ^2/NDF: 849523.4/20

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

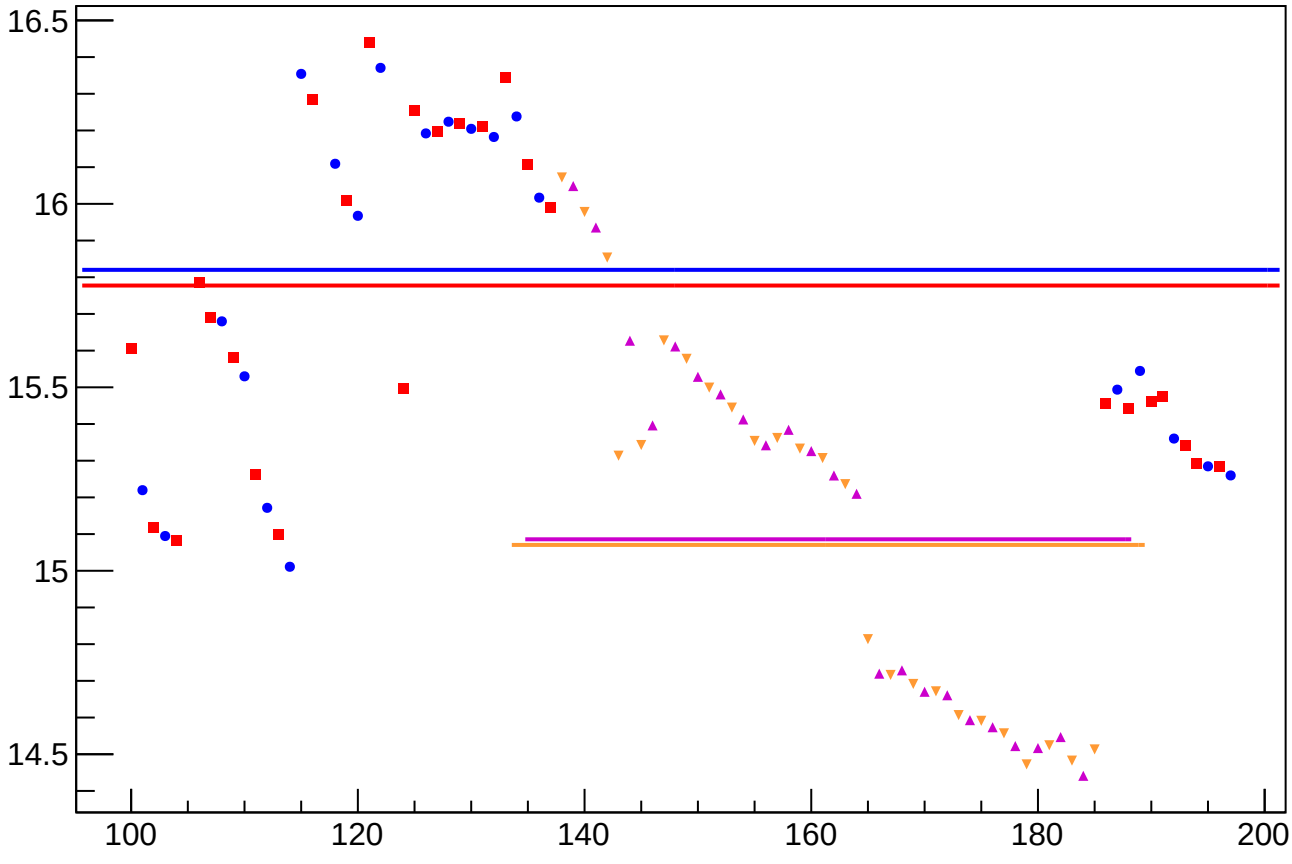
Right Out: 2179.496+/-0.452 χ^2/NDF: 528955.9/25

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2369.924+/-0.312 χ^2/NDF: 1784142.0/45

All: 2369.385+/-0.219 χ^2/NDF: 3105913.3/94

- sign 2368.855+/-0.309 χ^2/NDF: 1321765.4/48



Right In: 15.820+/-0.000 χ^2/NDF: 8581440764.6/20

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.777+/-0.000 χ^2/NDF: 9323163661.0/25

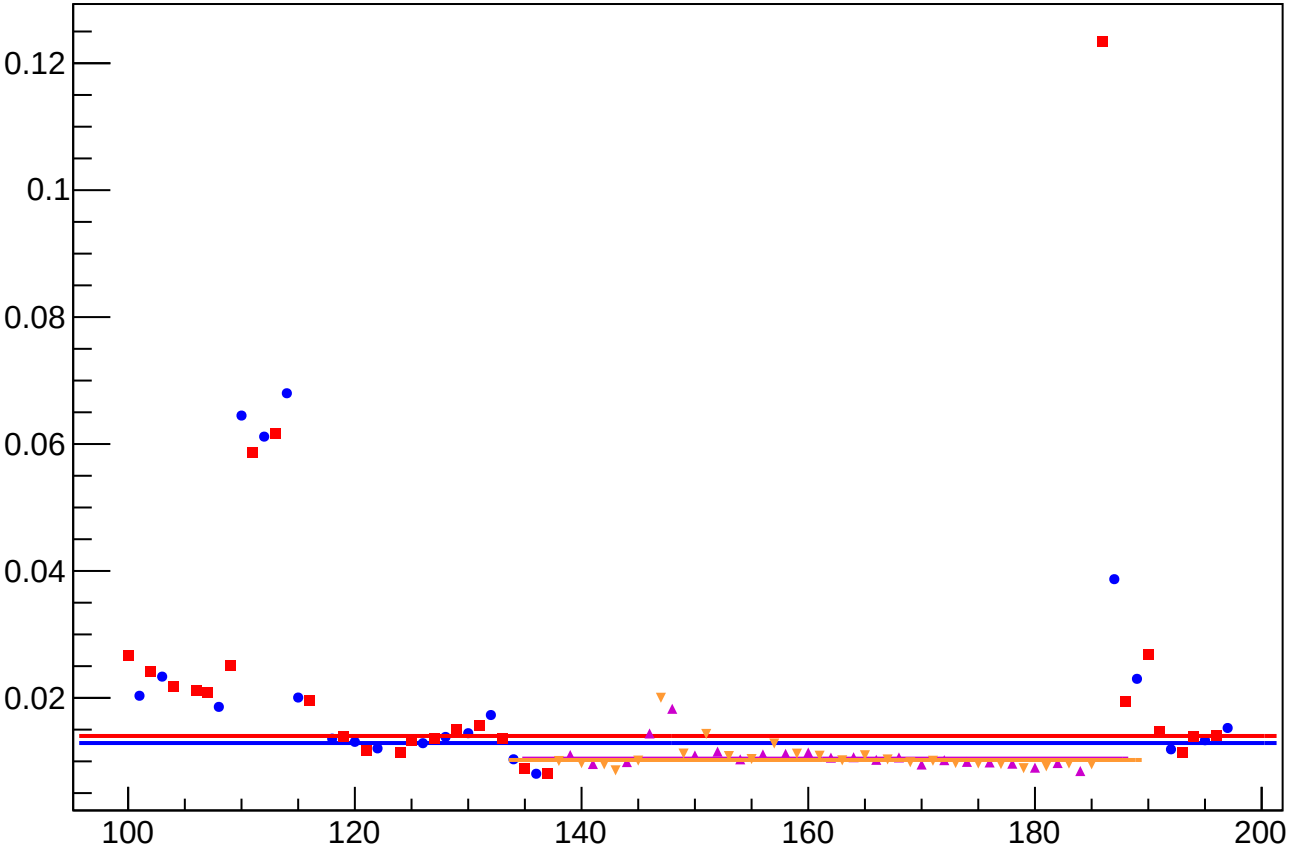
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.242+/-0.000 χ^2/NDF: 74696924990.5/45

All: 15.245+/-0.000 χ^2/NDF: 141306749038.

- sign 15.249+/-0.000 χ^2/NDF: 66605658062.4/48

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2738070.0/20

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3220661.0/25

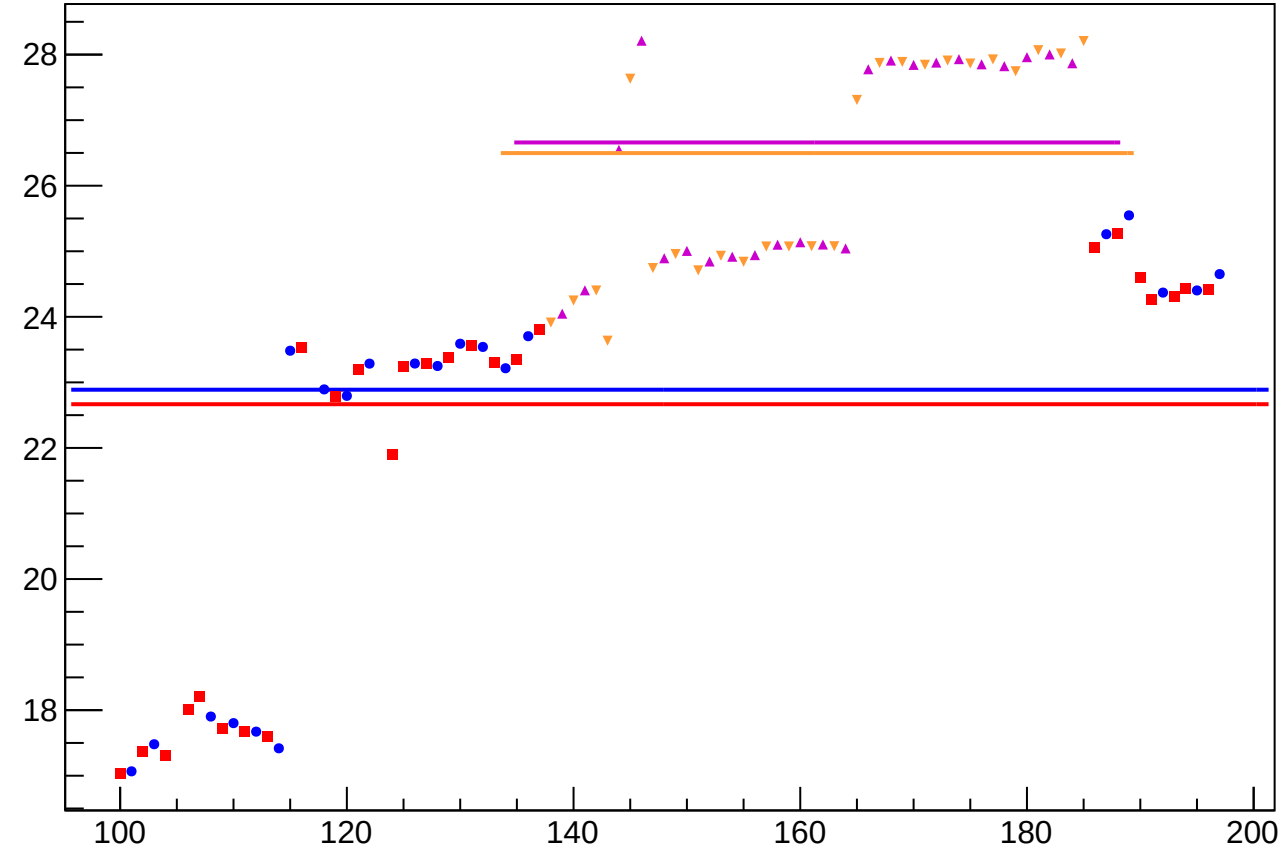
Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4066379.0/45

All: 0.011+/-0.000 χ^2/NDF: 8874250.1/94

- sign 0.011+/-0.000 χ^2/NDF: 4766230.9/48

yield_sam2_mean vs Slug



Right In: 22.888+/-0.000 χ^2/NDF: 1332207568.5/20

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.667+/-0.000 χ^2/NDF: 1415144580.5/25

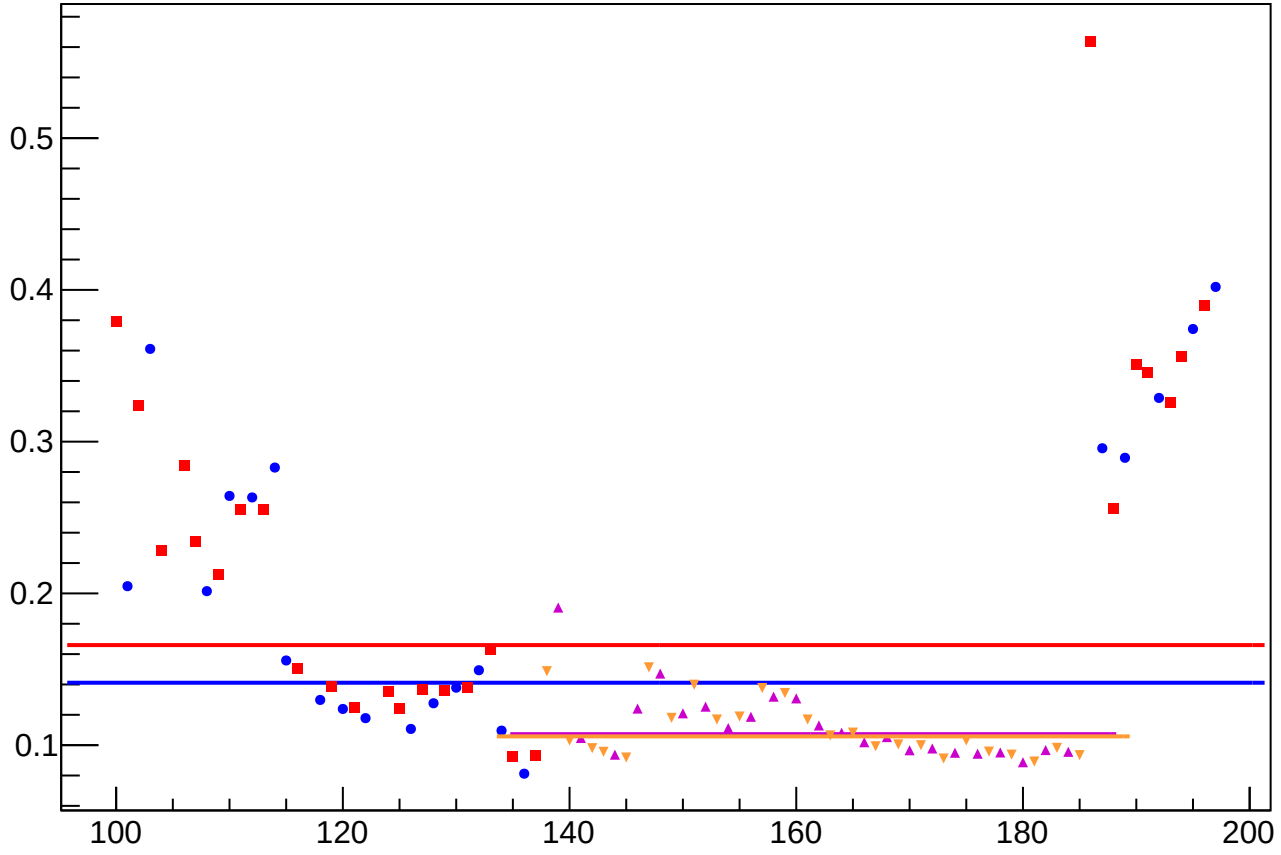
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.774+/-0.000 χ^2/NDF: 9113624900.9/45

All: 25.834+/-0.000 χ^2/NDF: 17550620319.7

- sign 25.901+/-0.000 χ^2/NDF: 8422897047.6/48

yield_sam2_rms vs Slug



Right In: 0.141+/-0.000 χ^2/NDF: 4278678.0/20

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.166+/-0.000 χ^2/NDF: 4203794.7/25

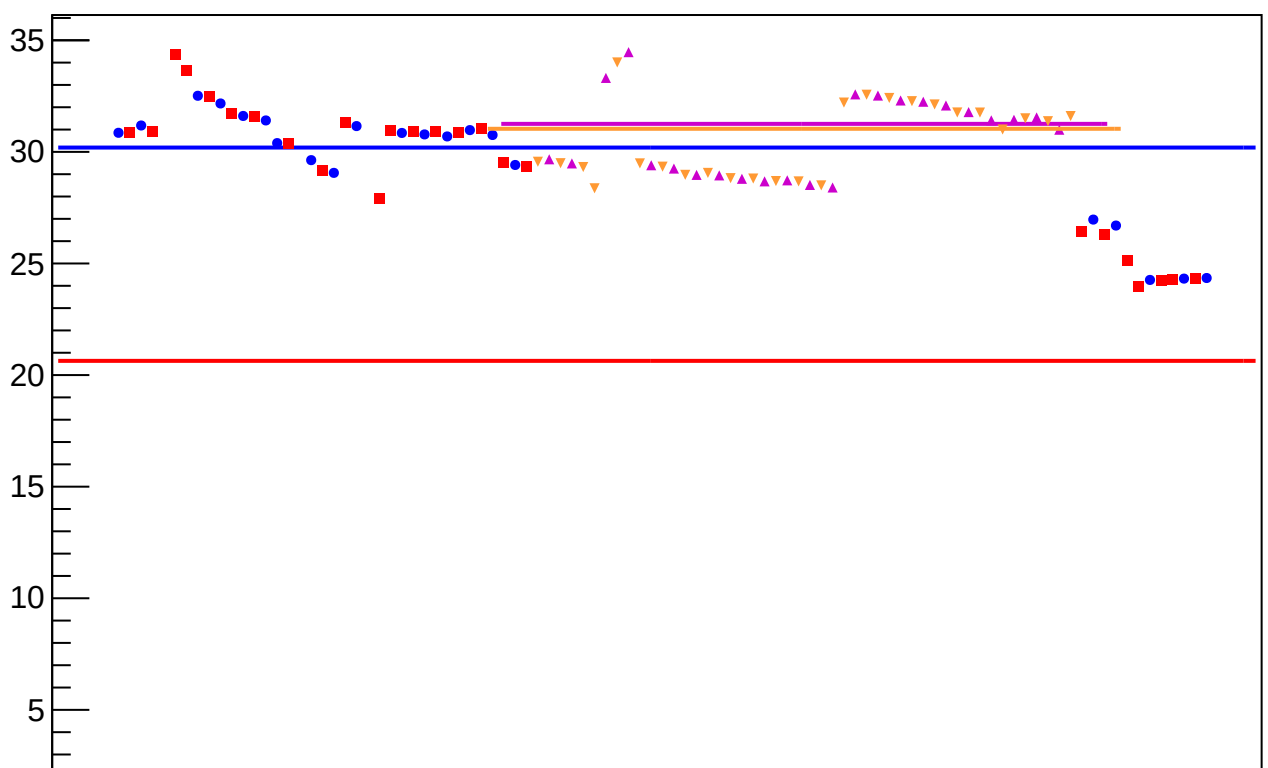
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.113+/-0.000 χ^2/NDF: 5777839.8/45

All: 0.116+/-0.000 χ^2/NDF: 12675647.7/94

- sign 0.118+/-0.000 χ^2/NDF: 6843632.0/48

yield_sam3_mean vs Slug



Right In: 30.194+/-0.000 χ^2/NDF: 2362017422.6/20

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.637+/-0.000 χ^2/NDF: 223654889533.2/25

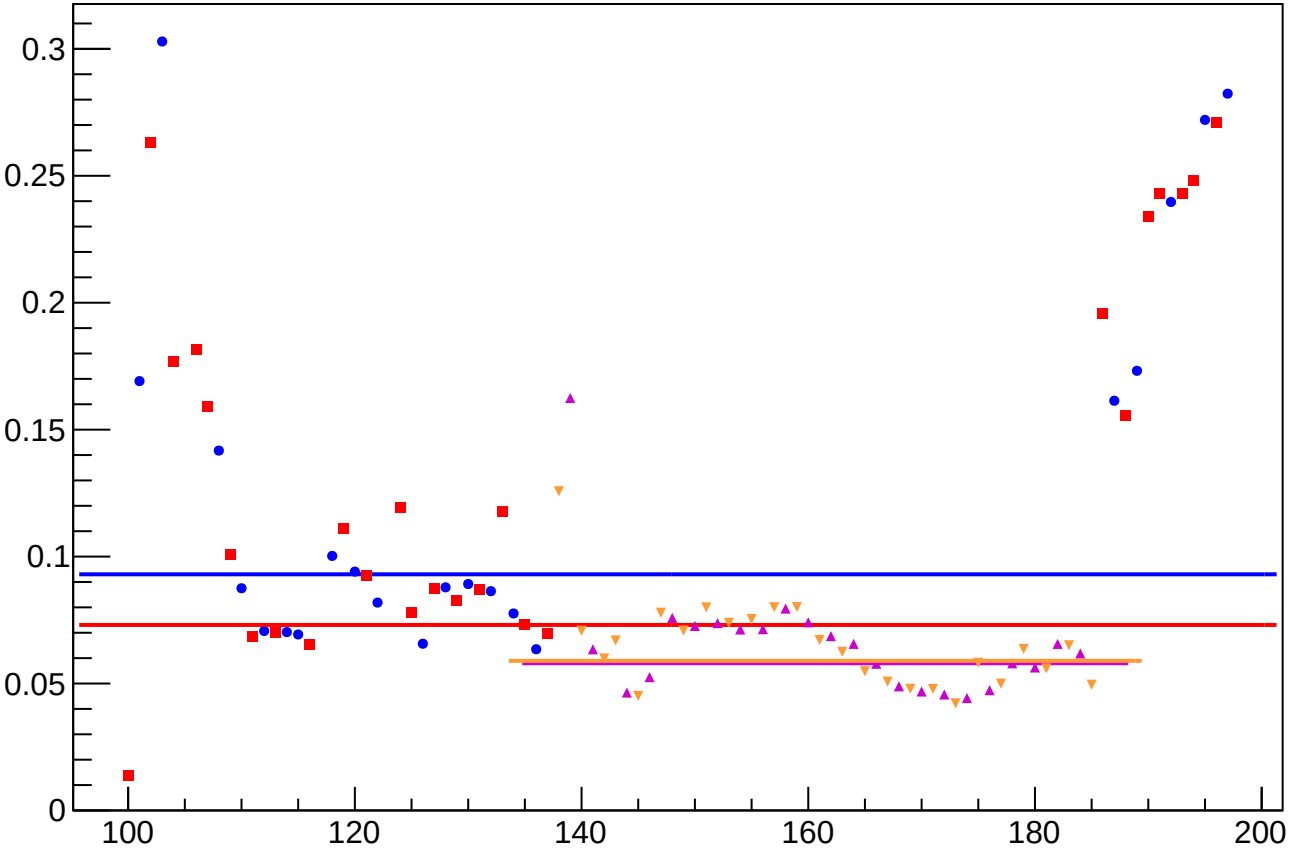
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.898+/-0.000 χ^2/NDF: 14753422788.9/45

All: 29.875+/-0.000 χ^2/NDF: 365244931938.

- sign 28.888+/-0.000 χ^2/NDF: 339970778986.3/48

yield_sam3_rms vs Slug



Right In: 0.093+/-0.000 χ^2/NDF: 3880720.0/20

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.073+/-0.000 χ^2/NDF: 8157787.6/25

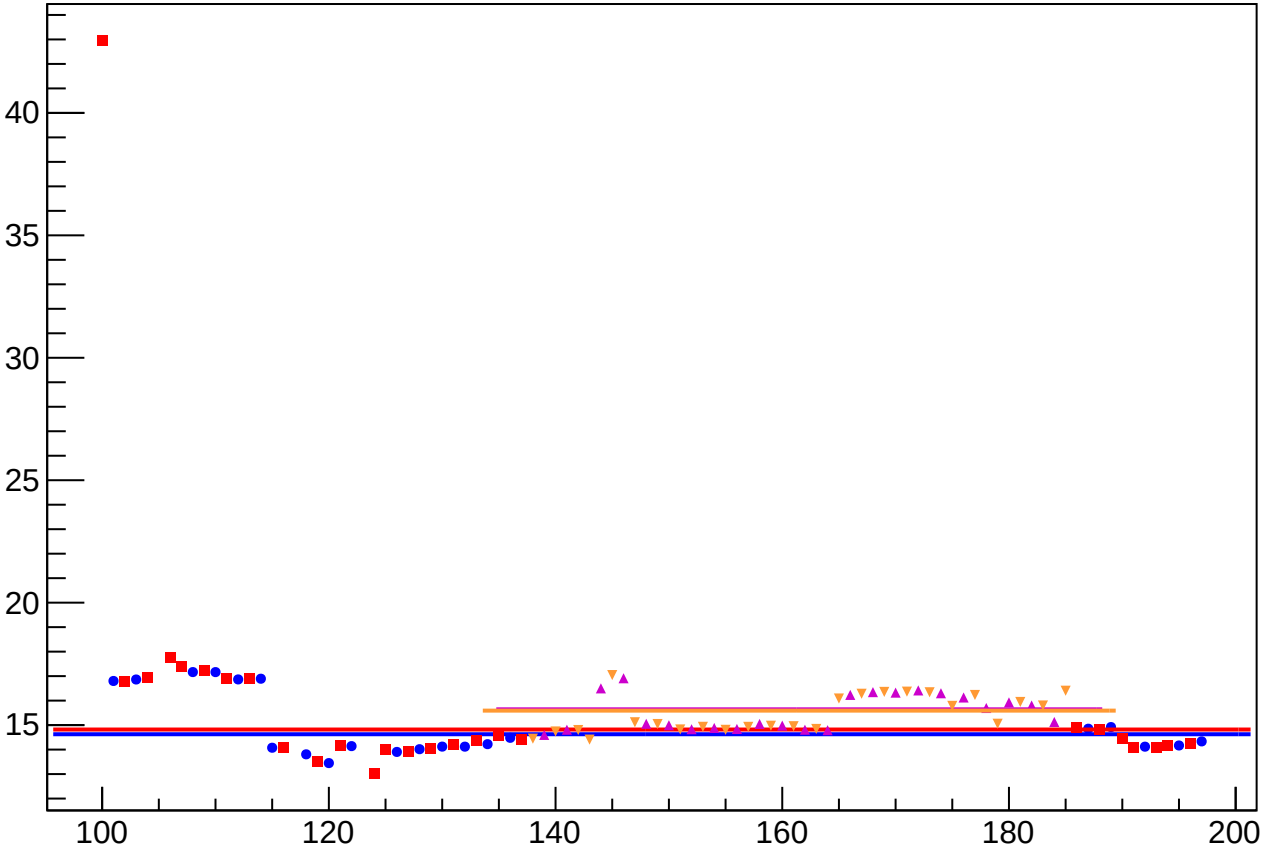
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.065+/-0.000 χ^2/NDF: 7039757.5/45

All: 0.063+/-0.000 χ^2/NDF: 17384672.3/94

- sign 0.061+/-0.000 χ^2/NDF: 10293092.7/48

yield_sam4_mean vs Slug



Right In: 14.627+/-0.000 χ^2/NDF: 1205740784.2/20

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.819+/-0.000 χ^2/NDF: 1758445179.8/25

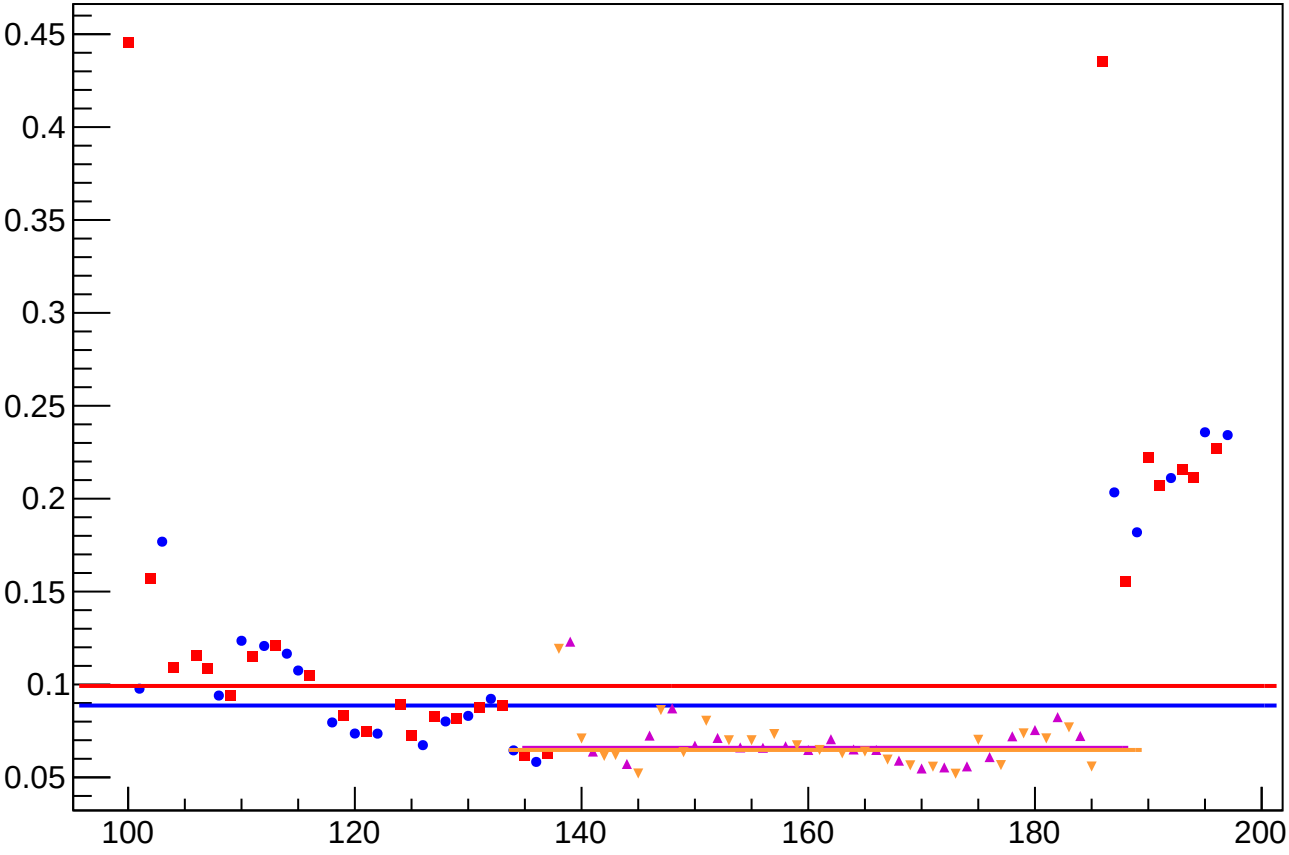
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.393+/-0.000 χ^2/NDF: 4209597162.8/45

All: 15.432+/-0.000 χ^2/NDF: 8342973186.5/9

- sign 15.475+/-0.000 χ^2/NDF: 4117536476.5/48

yield_sam4_rms vs Slug



Right In: 0.089+/-0.000 χ^2/NDF: 3396997.6/20

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.099+/-0.000 χ^2/NDF: 3542155.4/25

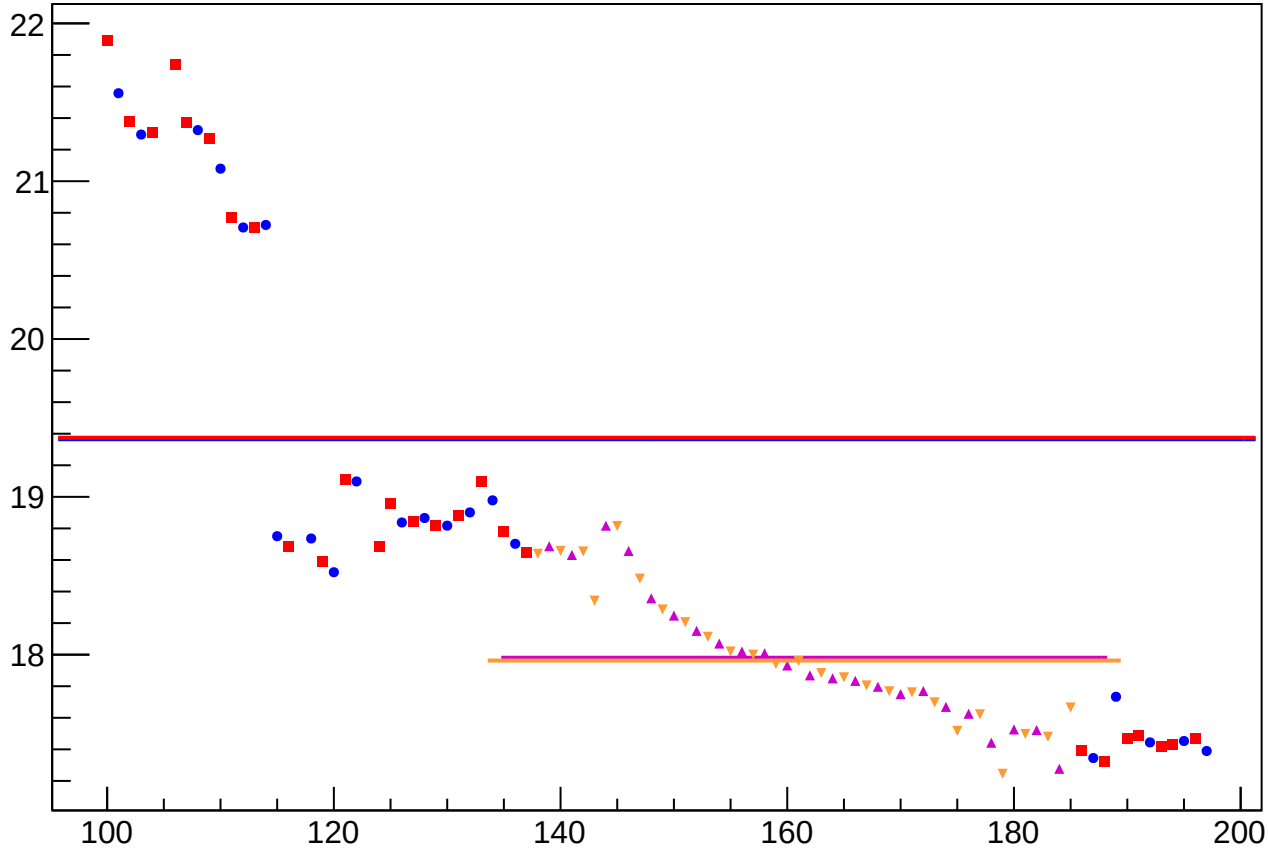
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.070+/-0.000 χ^2/NDF: 5170068.1/45

All: 0.071+/-0.000 χ^2/NDF: 11175263.6/94

- sign 0.073+/-0.000 χ^2/NDF: 5960890.2/48

yield_sam5_mean vs Slug



Right In: 19.365+/-0.000 χ^2/NDF: 21400700337.4/20

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.375+/-0.000 χ^2/NDF: 24766713770.8/25

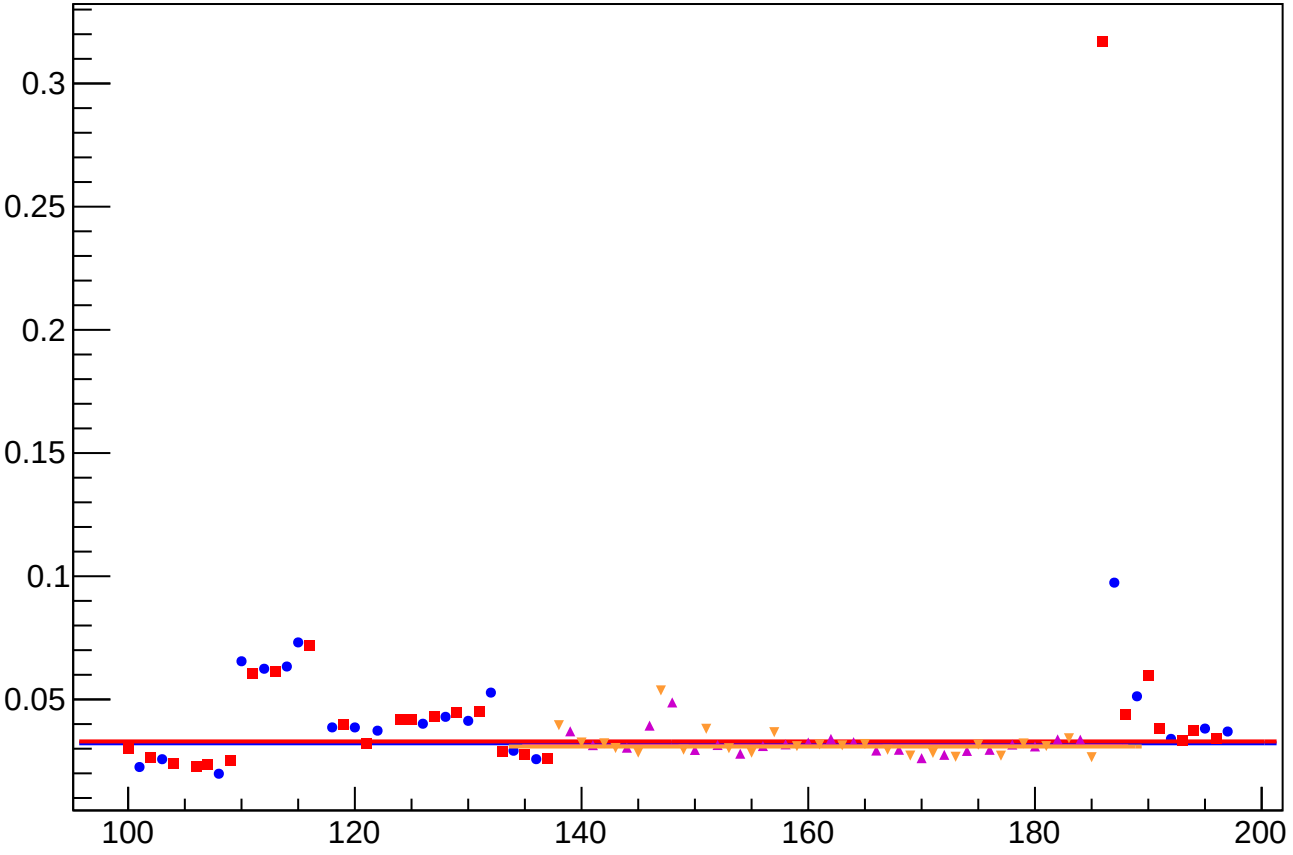
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.399+/-0.000 χ^2/NDF: 36180364351.5/45

All: 18.426+/-0.000 χ^2/NDF: 75506860354.8

- sign 18.454+/-0.000 χ^2/NDF: 39284963120.9/48

yield_sam5_rms vs Slug



Right In: 0.032+/-0.000 χ^2/NDF: 1863666.3/20

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.033+/-0.000 χ^2/NDF: 2152894.1/25

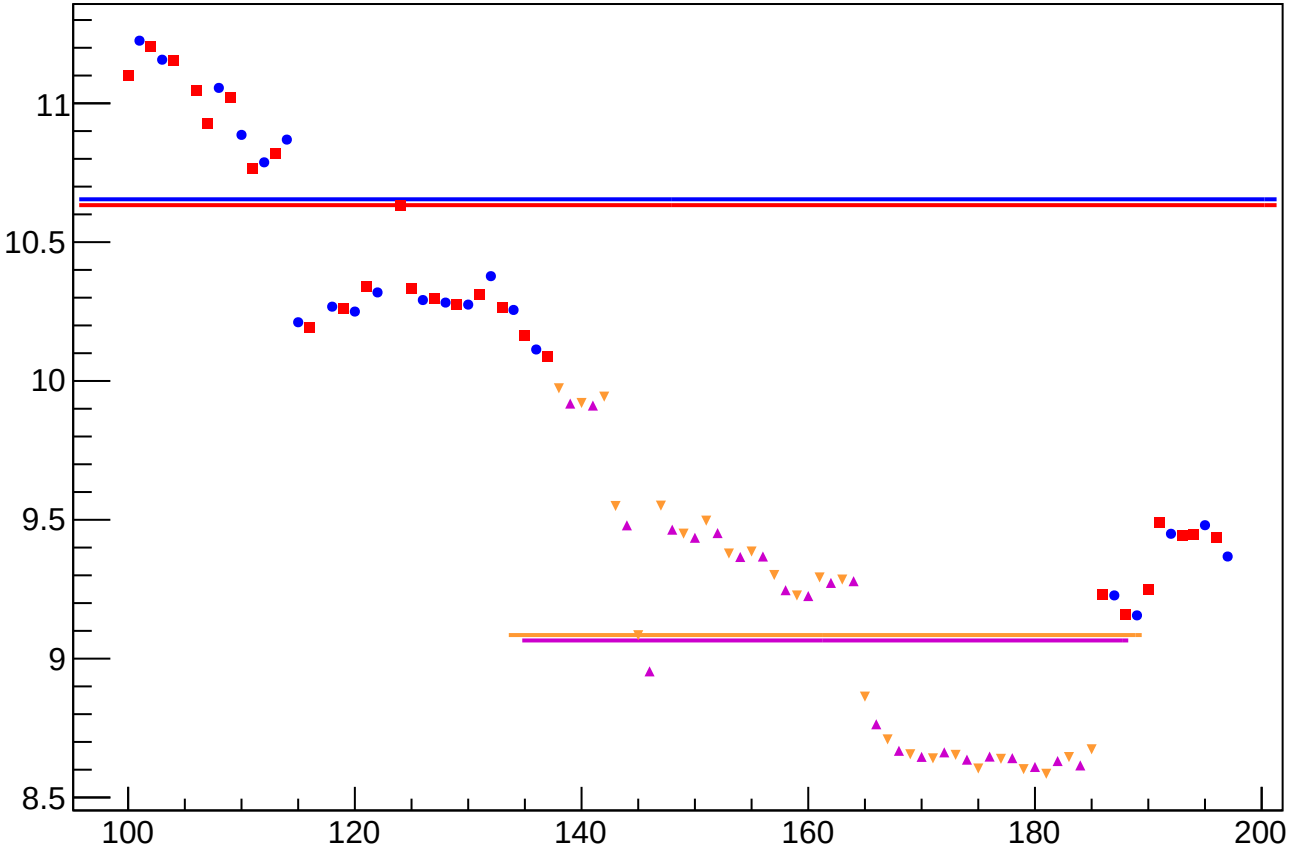
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2517660.4/45

All: 0.032+/-0.000 χ^2/NDF: 5199506.3/94

- sign 0.032+/-0.000 χ^2/NDF: 2676086.1/48

yield_sam6_mean vs Slug



Right In: 10.654+/-0.000 χ^2/NDF: 8875416527.6/20

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.633+/-0.000 χ^2/NDF: 8651915311.5/25

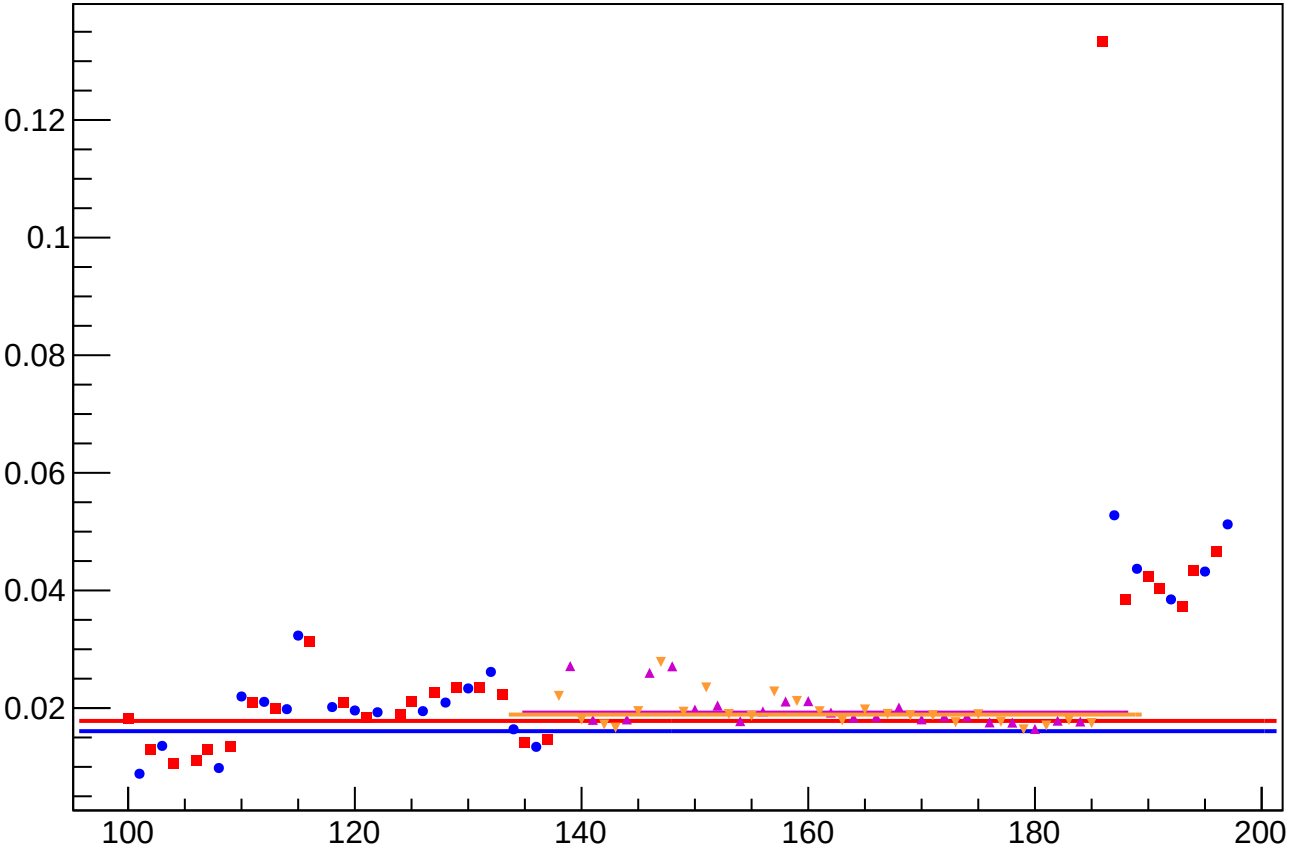
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.671+/-0.000 χ^2/NDF: 64399960329.0/45

All: 9.669+/-0.000 χ^2/NDF: 123368928930.9

- sign 9.667+/-0.000 χ^2/NDF: 58968463044.4/48

yield_sam6_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 4322432.3/20

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.018+/-0.000 χ^2/NDF: 4483798.5/25

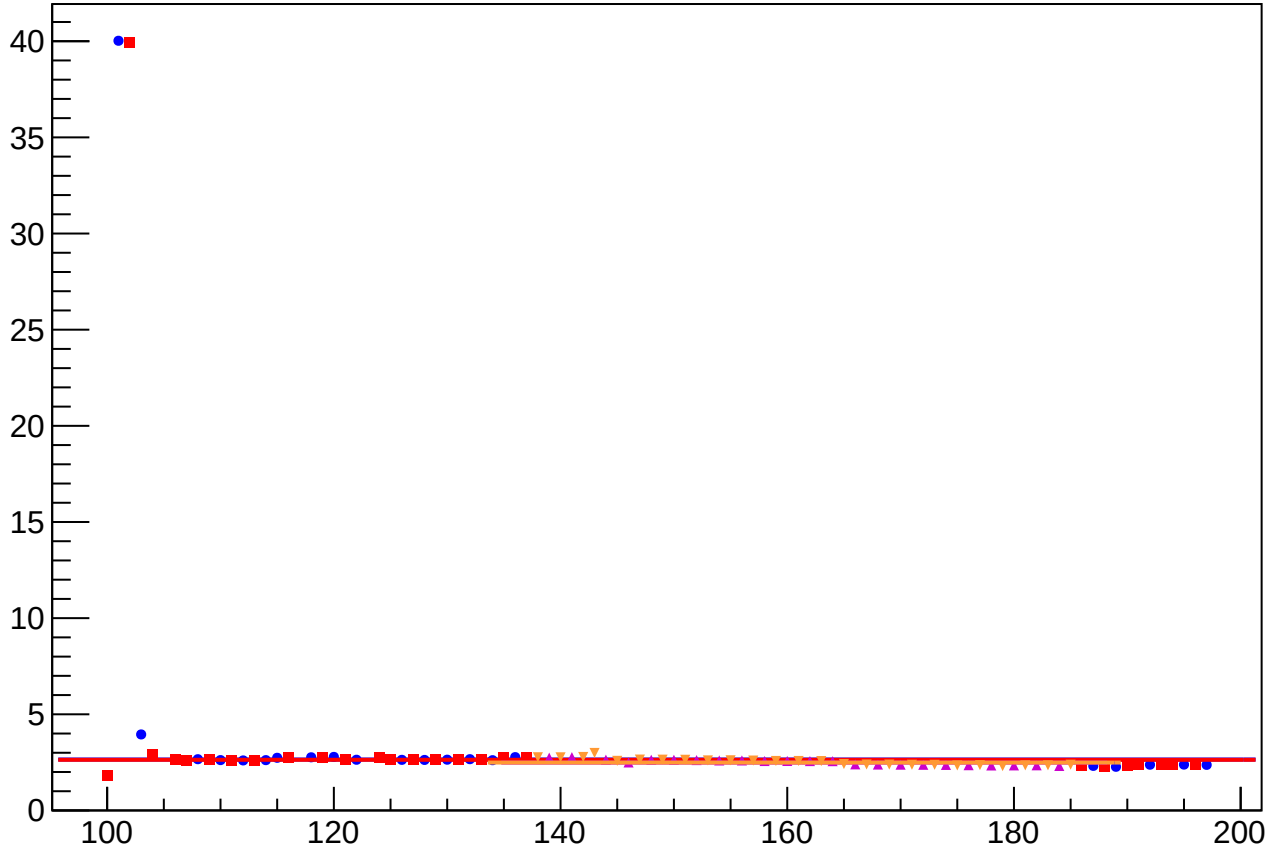
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 5056609.5/45

All: 0.018+/-0.000 χ^2/NDF: 10204390.0/94

- sign 0.019+/-0.000 χ^2/NDF: 5093656.8/48

yield_sam7_mean vs Slug



Right In: 2.649+/-0.000 χ^2/NDF: 74604787569.5/20

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.634+/-0.000 χ^2/NDF: 75162253902.2/25

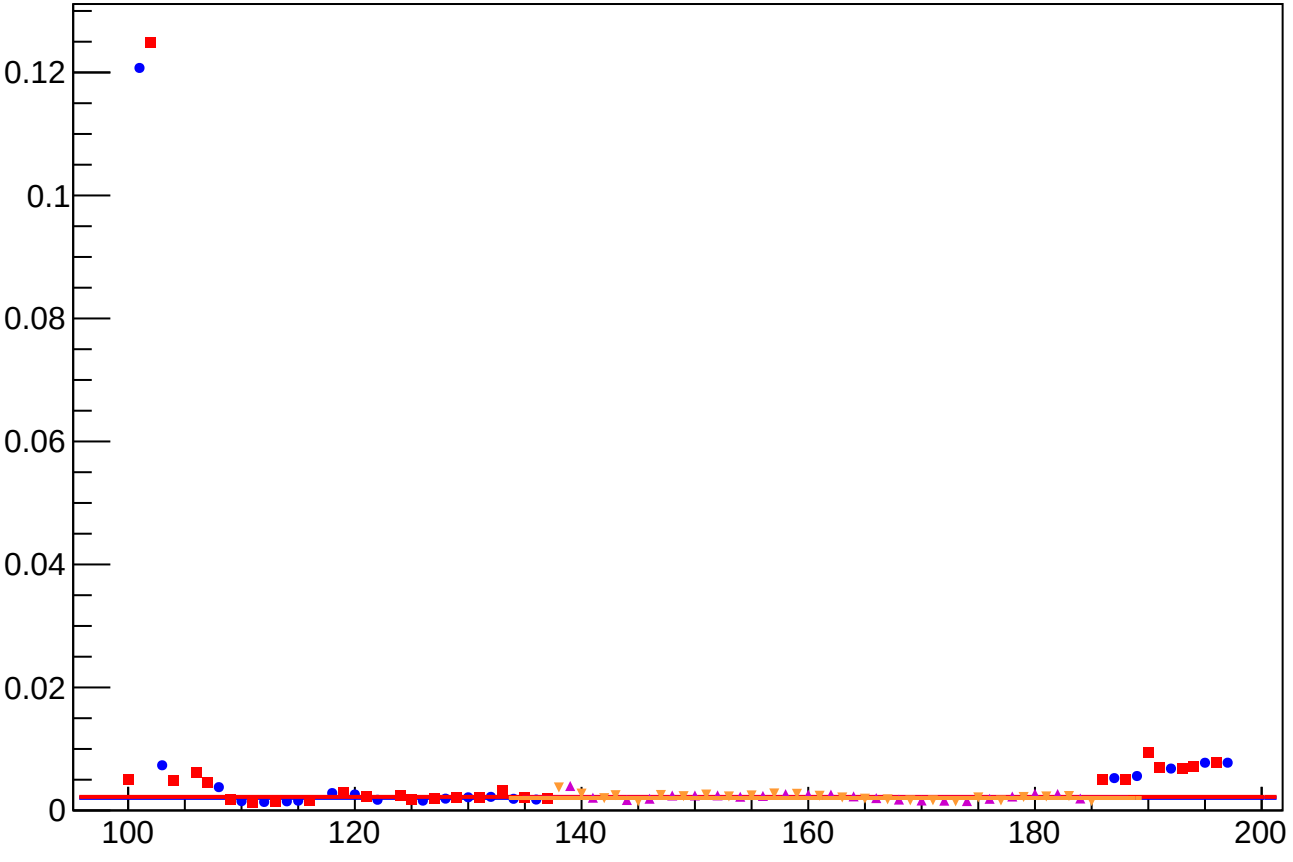
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.536+/-0.000 χ^2/NDF: 193887686488.9/45

All: 2.535+/-0.000 χ^2/NDF: 352474747695.9

- sign 2.533+/-0.000 χ^2/NDF: 158555462822.4/48

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5251276.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6568754.3/25

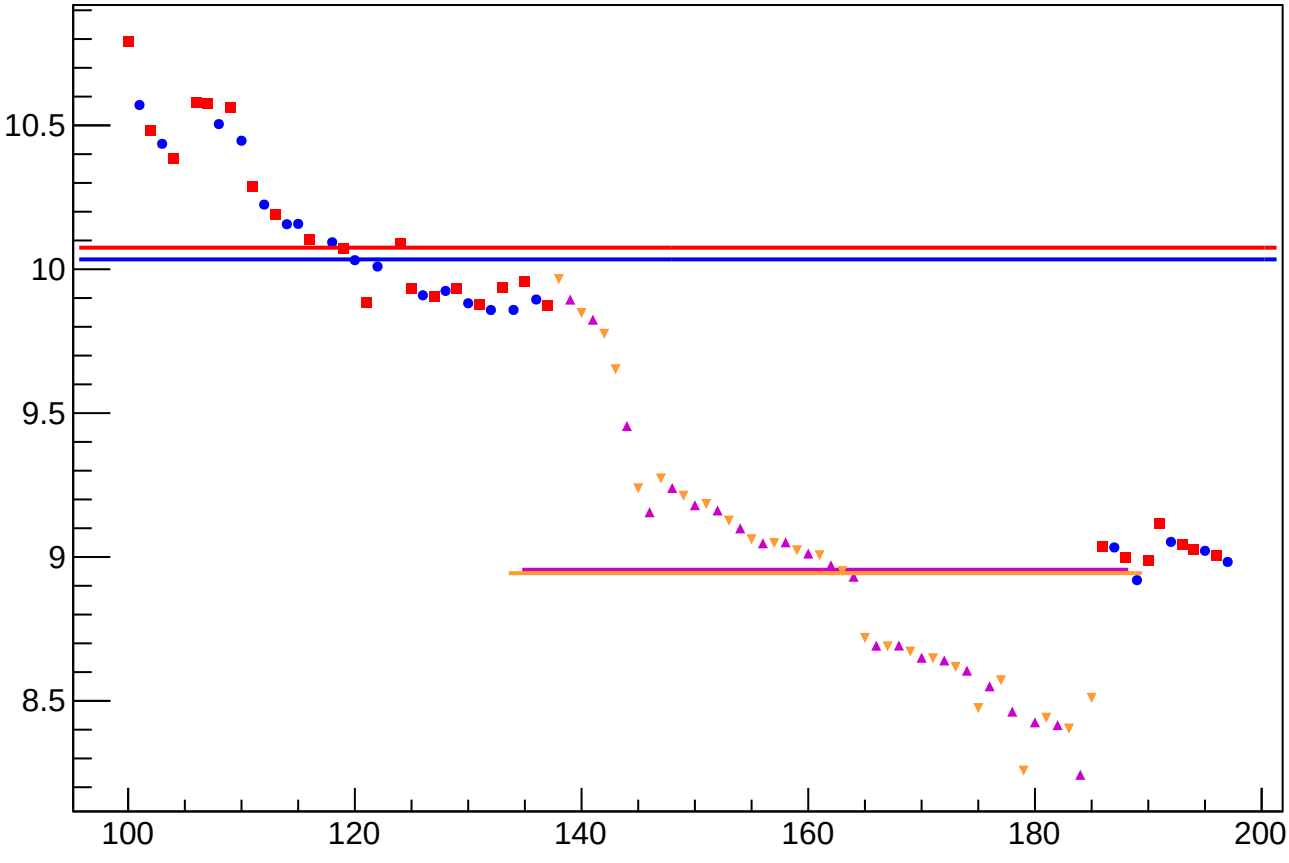
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 6808654.8/45

All: 0.002+/-0.000 χ^2/NDF: 14853182.3/94

- sign 0.002+/-0.000 χ^2/NDF: 8012791.7/48

yield_sam8_mean vs Slug



Right In: 10.034+/-0.000 χ^2/NDF: 24265757543.4/20

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.075+/-0.000 χ^2/NDF: 30544704055.0/25

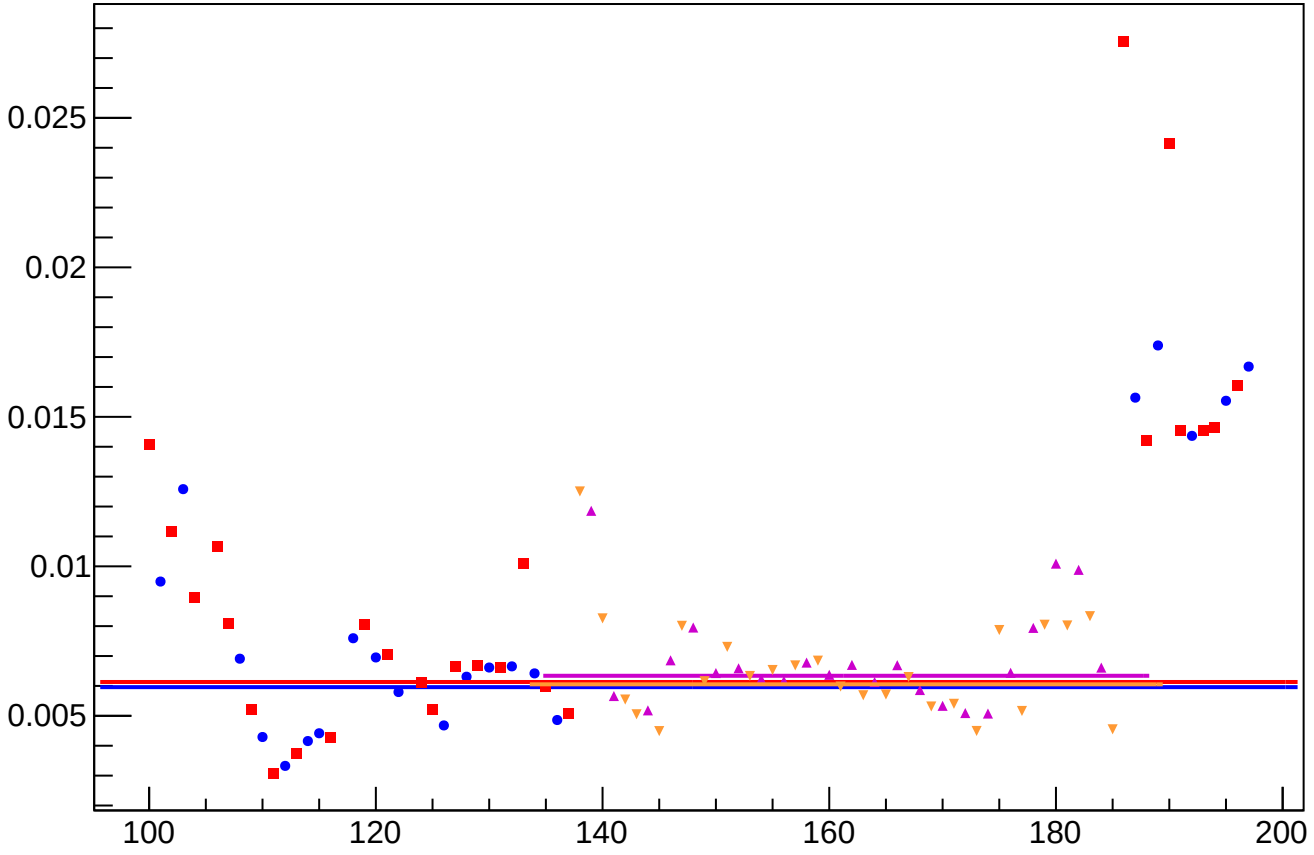
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.306+/-0.000 χ^2/NDF: 254523970046.5/45

All: 9.338+/-0.000 χ^2/NDF: 506813467818.8

- sign 9.372+/-0.000 χ^2/NDF: 250975028672.6/48

yield_sam8_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 4002669.1/20

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 5405119.8/25

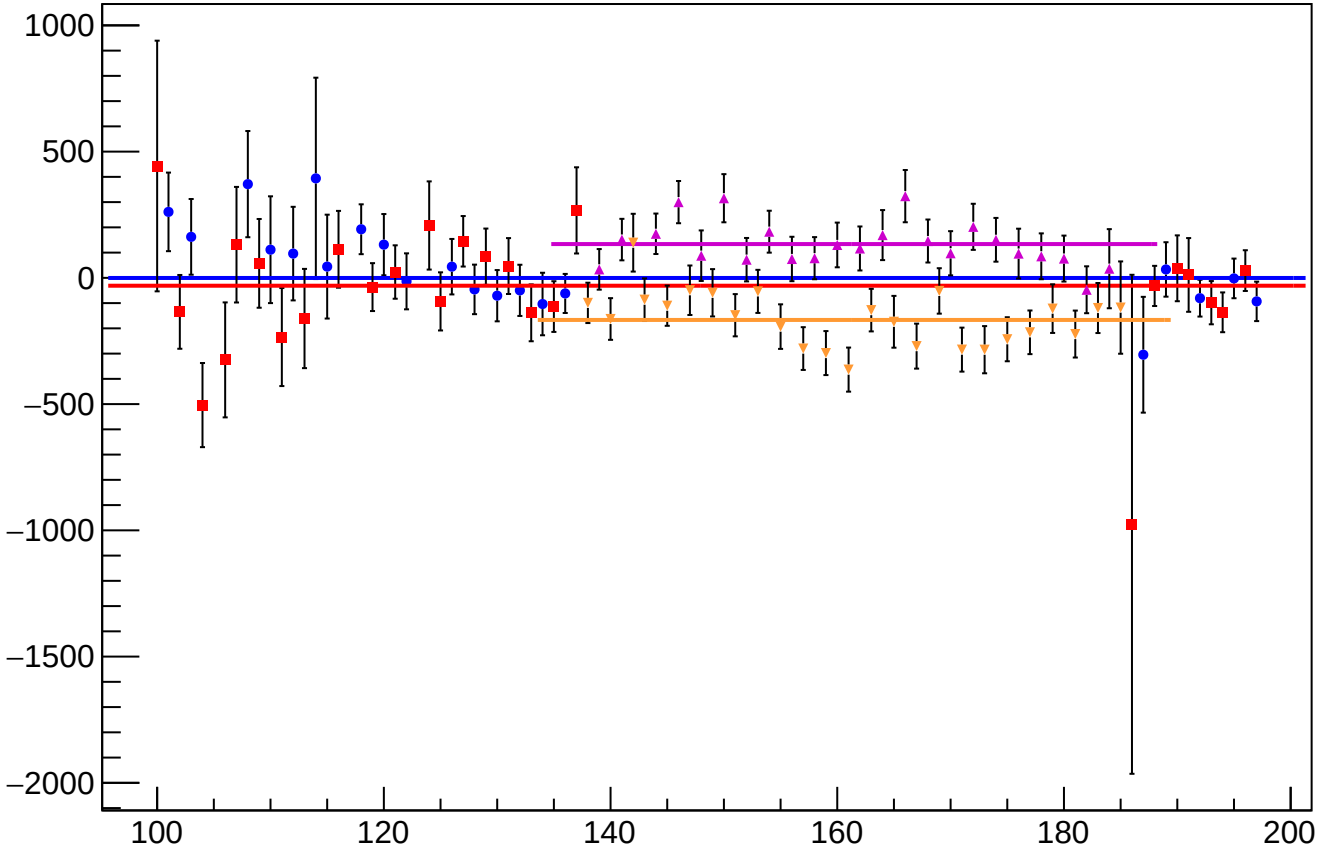
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 5466158.9/45

All: 0.006+/-0.000 χ^2/NDF: 12092659.4/94

- sign 0.006+/-0.000 χ^2/NDF: 6592013.8/48

reg_asym_sam1_mean vs Slug



Right In: -0.434+/-24.436 χ^2/NDF: 20.6/20

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -31.124+/-23.888 χ^2/NDF: 30.3/25

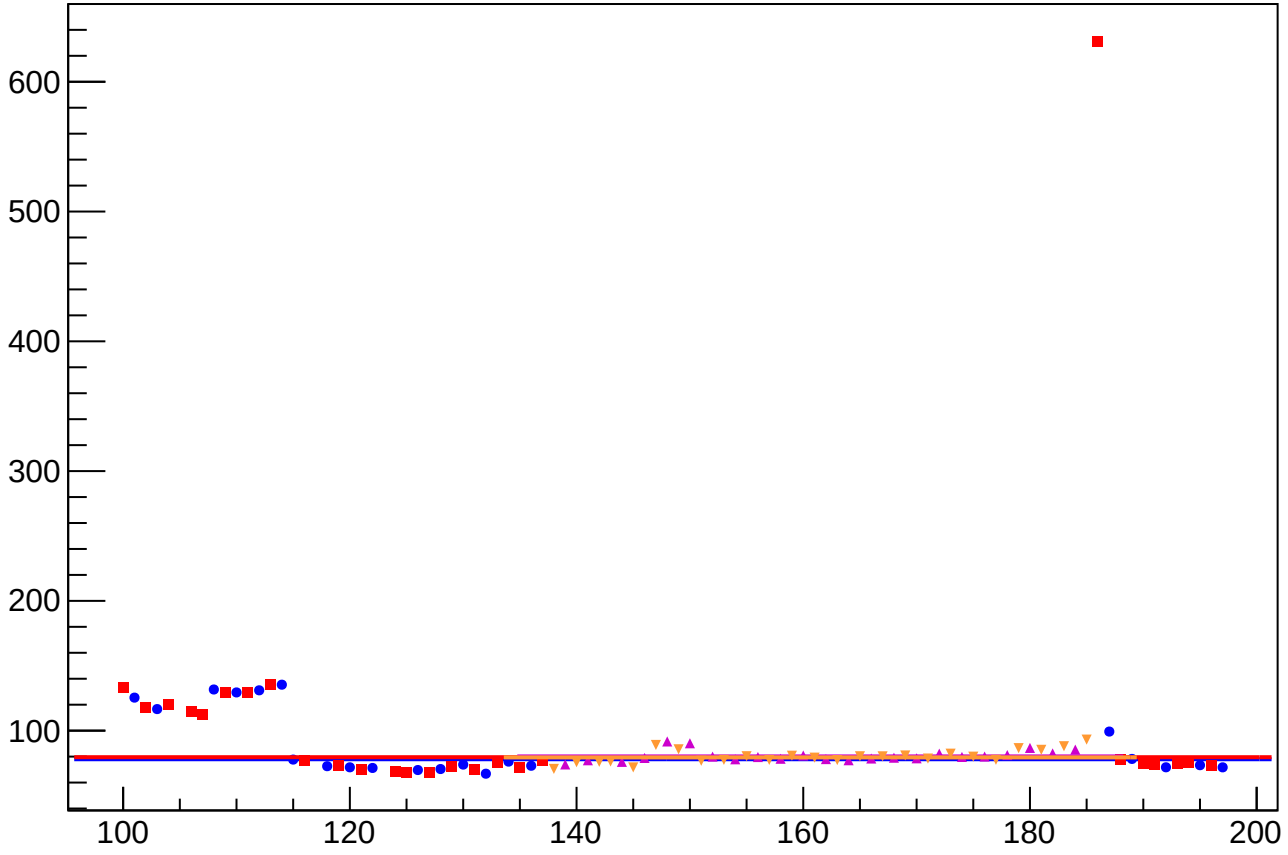
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -107.869+/-14.534 χ^2/NDF: 82.2/45

All: -19.803+/-10.353 χ^2/NDF: 237.2/94

- sign 70.930+/-14.752 χ^2/NDF: 80.5/48

reg_asym_sam1_rms vs Slug



Right In: 77.973+/-0.017 χ^2/NDF: 903432.1/20

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 79.544+/-0.017 χ^2/NDF: 1598793.6/25

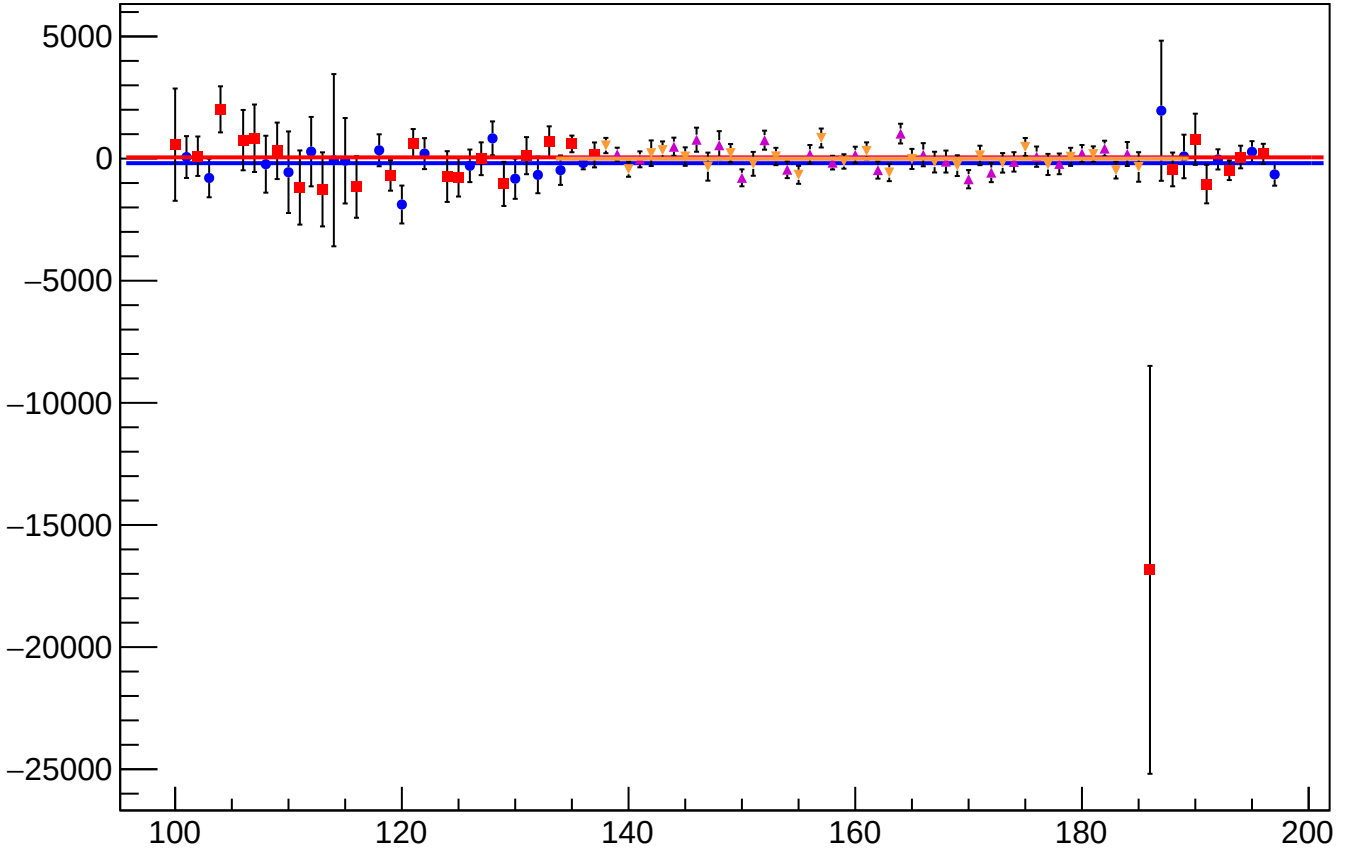
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.902+/-0.010 χ^2/NDF: 1042699.0/45

All: 79.406+/-0.007 χ^2/NDF: 2738667.2/94

- sign 79.925+/-0.010 χ^2/NDF: 1691087.0/48

asym_sam1_reg_correction_mean vs Slug



Right In: -187.561+/-135.485 χ^2/NDF: 13.0/20

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 50.143+/-133.943 χ^2/NDF: 25.4/25

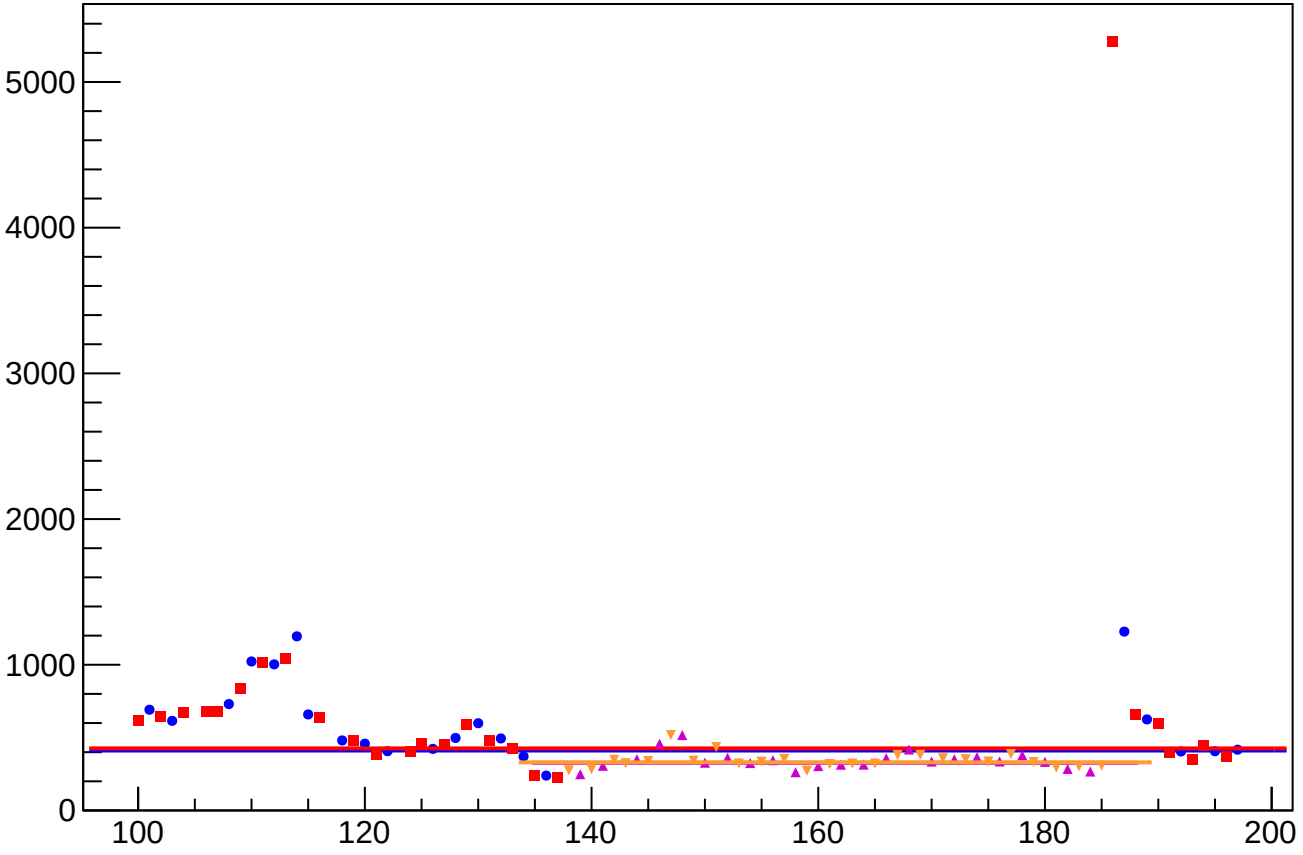
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

\+ sign -47.414+/-66.193 χ^2/NDF: 38.4/45

All: -10.697+/-47.125 χ^2/NDF: 99.5/94

\- sign 27.041+/-67.107 χ^2/NDF: 60.5/48

asym_sam1_reg_correction_rms vs Slug



Right In: 411.469+/-0.096 χ^2/NDF: 2643356.7/20

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 425.776+/-0.095 χ^2/NDF: 3437502.6/25

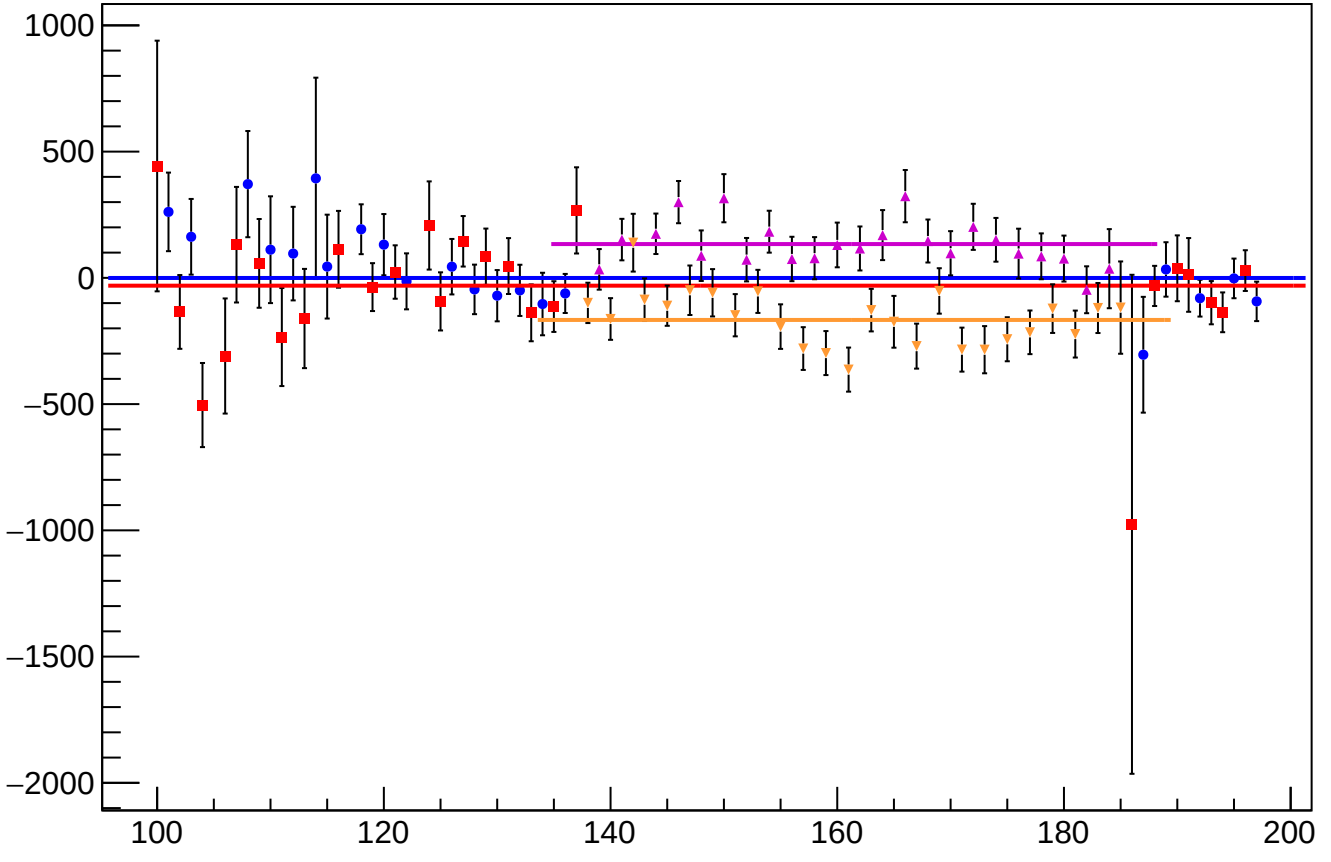
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 349.421+/-0.047 χ^2/NDF: 3853581.6/45

All: 350.578+/-0.033 χ^2/NDF: 9006907.4/94

- sign 351.766+/-0.047 χ^2/NDF: 5152087.8/48

cor_asym_sam1_mean vs Slug



Right In: -0.427+/-24.436 χ^2/NDF: 20.6/20

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -30.948+/-23.889 χ^2/NDF: 30.1/25

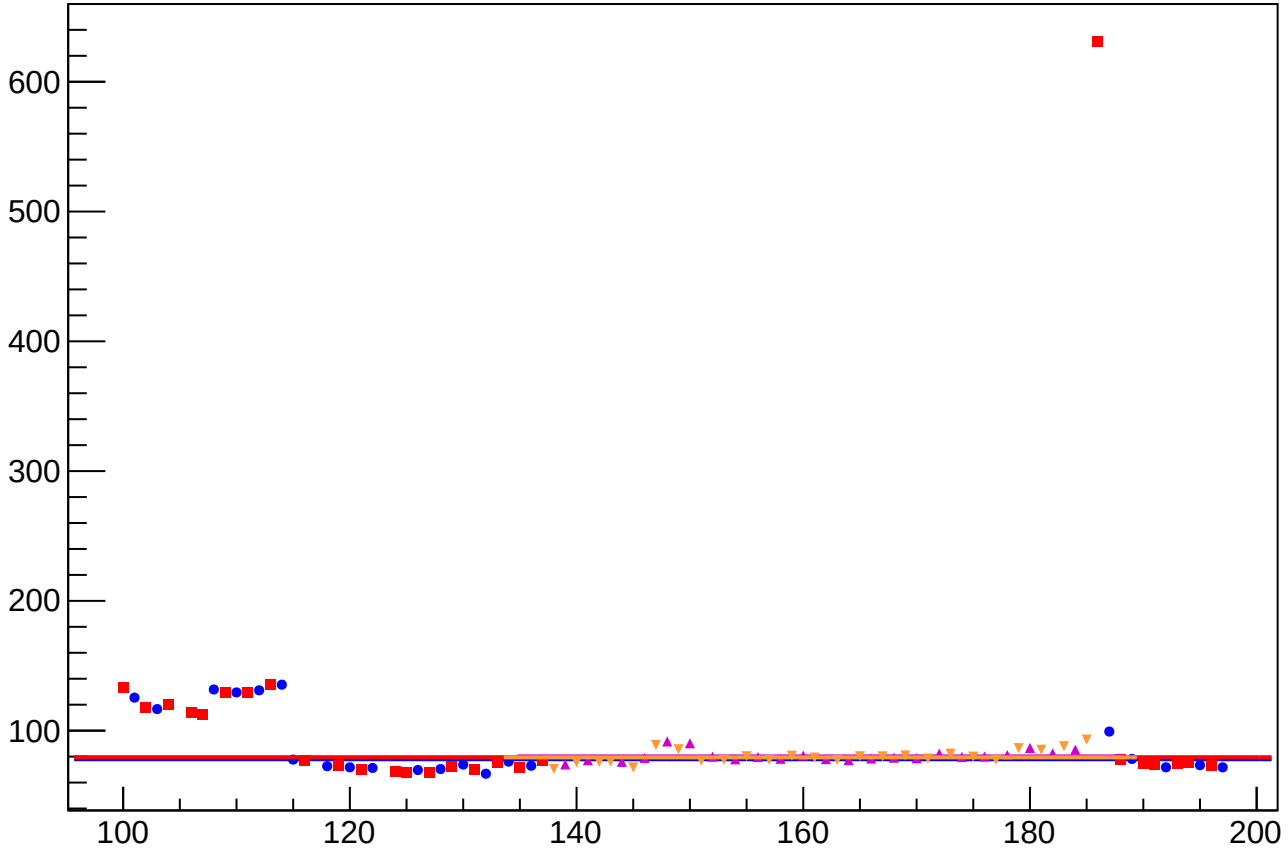
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -107.866+/-14.534 χ^2/NDF: 82.2/45

All: -19.766+/-10.353 χ^2/NDF: 237.1/94

- sign 71.003+/-14.752 χ^2/NDF: 80.3/48

cor_asym_sam1_rms vs Slug



Right In: 77.973+/-0.017 χ^2/NDF: 903432.3/20

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 79.535+/-0.017 χ^2/NDF: 1596769.1/25

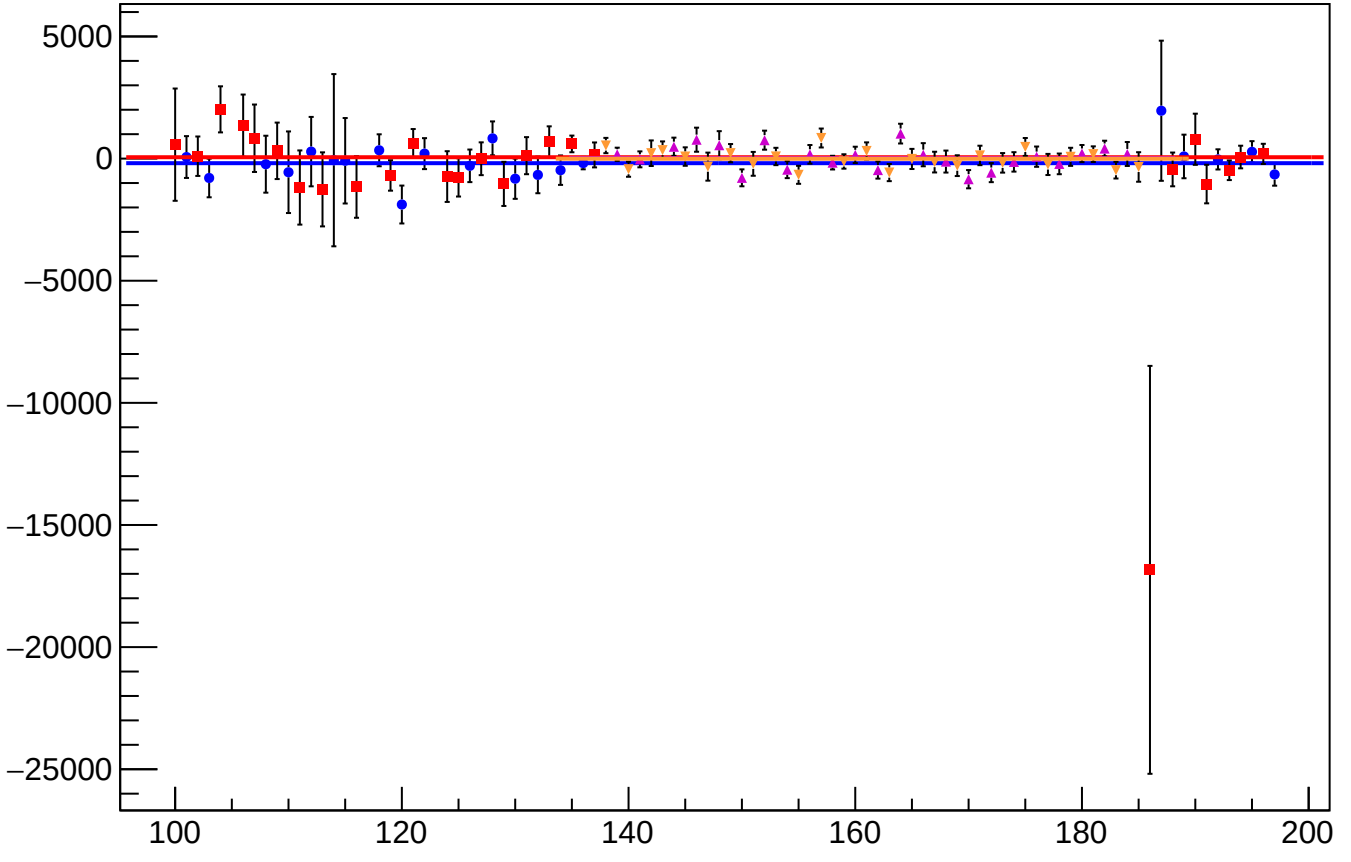
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.902+/-0.010 χ^2/NDF: 1042699.2/45

All: 79.404+/-0.007 χ^2/NDF: 2736634.5/94

- sign 79.922+/-0.010 χ^2/NDF: 1689086.7/48

asym_sam1_cor_correction_mean vs Slug



Right In: -187.558+/-135.485 χ^2/NDF: 13.0/20

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 56.195+/-133.990 χ^2/NDF: 26.2/25

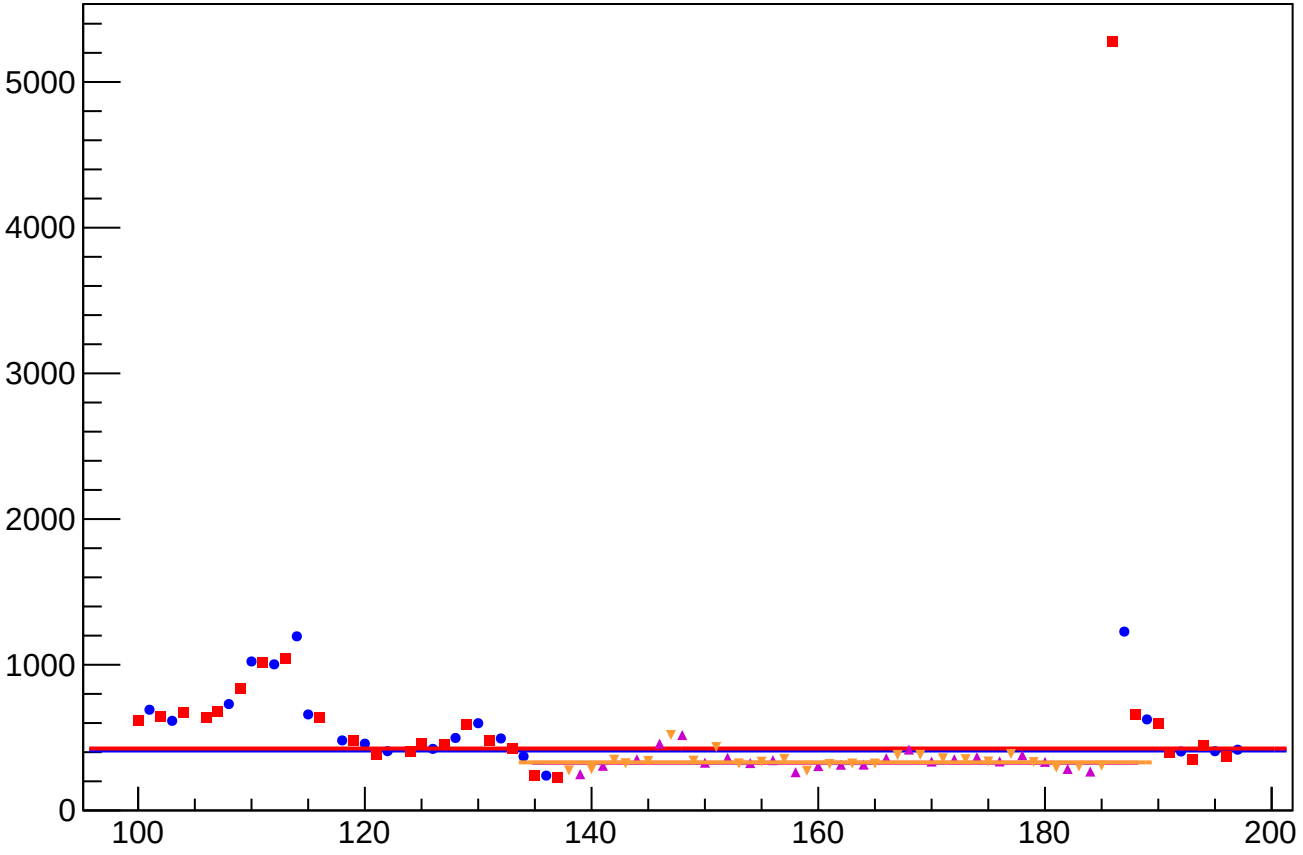
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -47.413+/-66.193 χ^2/NDF: 38.4/45

All: -9.951+/-47.127 χ^2/NDF: 100.3/94

- sign 28.560+/-67.113 χ^2/NDF: 61.2/48

asym_sam1_cor_correction_rms vs Slug



Right In: 411.469+/-0.096 χ^2/NDF: 2643351.2/20

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 425.164+/-0.095 χ^2/NDF: 3409734.8/25

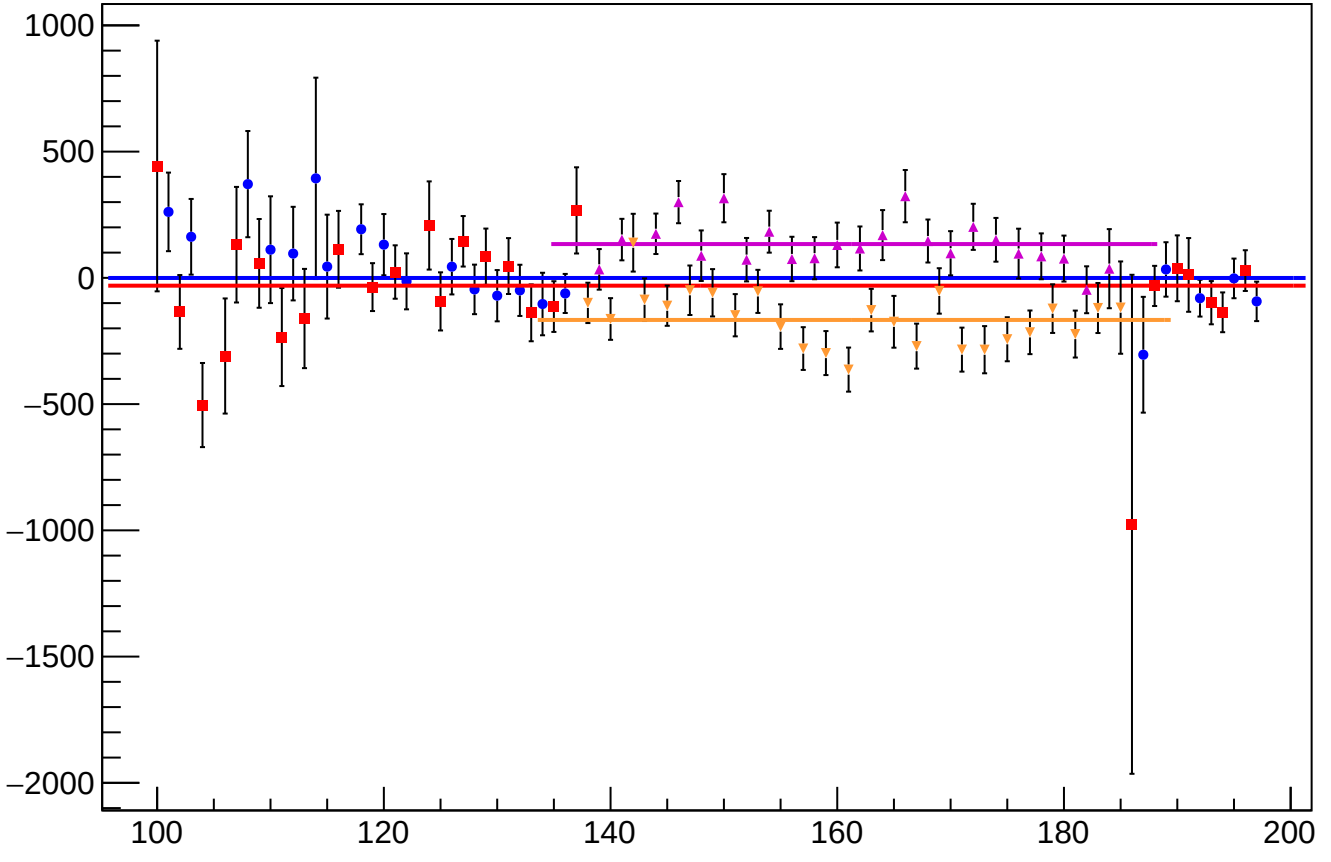
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 349.421+/-0.047 χ^2/NDF: 3853587.9/45

All: 350.495+/-0.033 χ^2/NDF: 8968471.3/94

- sign 351.600+/-0.047 χ^2/NDF: 5113815.4/48

eigen_cor_asym_sam1_mean vs Slug



Right In: -0.427+/-24.436 χ^2/NDF: 20.6/20

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -30.948+/-23.889 χ^2/NDF: 30.1/25

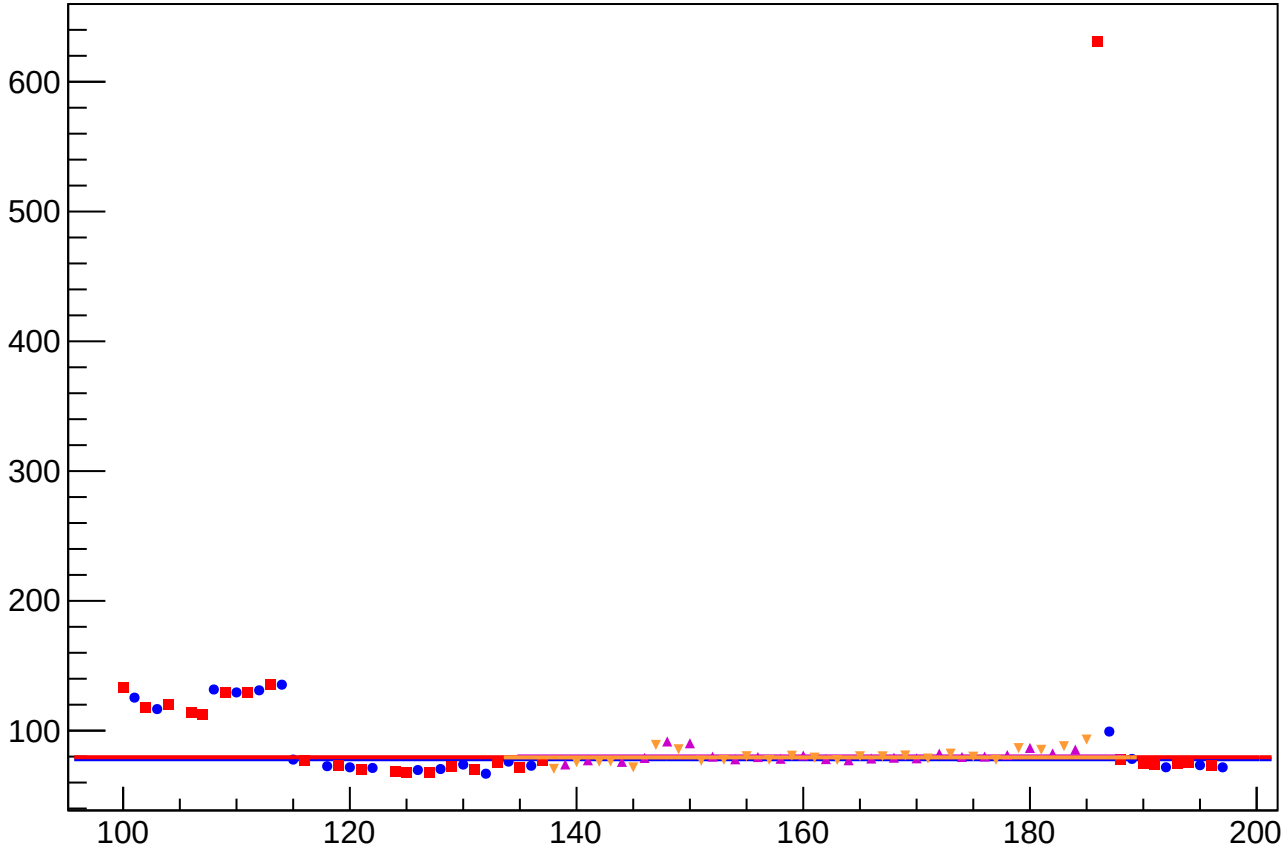
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -107.866+/-14.534 χ^2/NDF: 82.2/45

All: -19.766+/-10.353 χ^2/NDF: 237.1/94

- sign 71.003+/-14.752 χ^2/NDF: 80.3/48

eigen_cor_asym_sam1_rms vs Slug



Right In: 77.973+/-0.017 χ^2/NDF: 903432.3/20

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 79.535+/-0.017 χ^2/NDF: 1596769.1/25

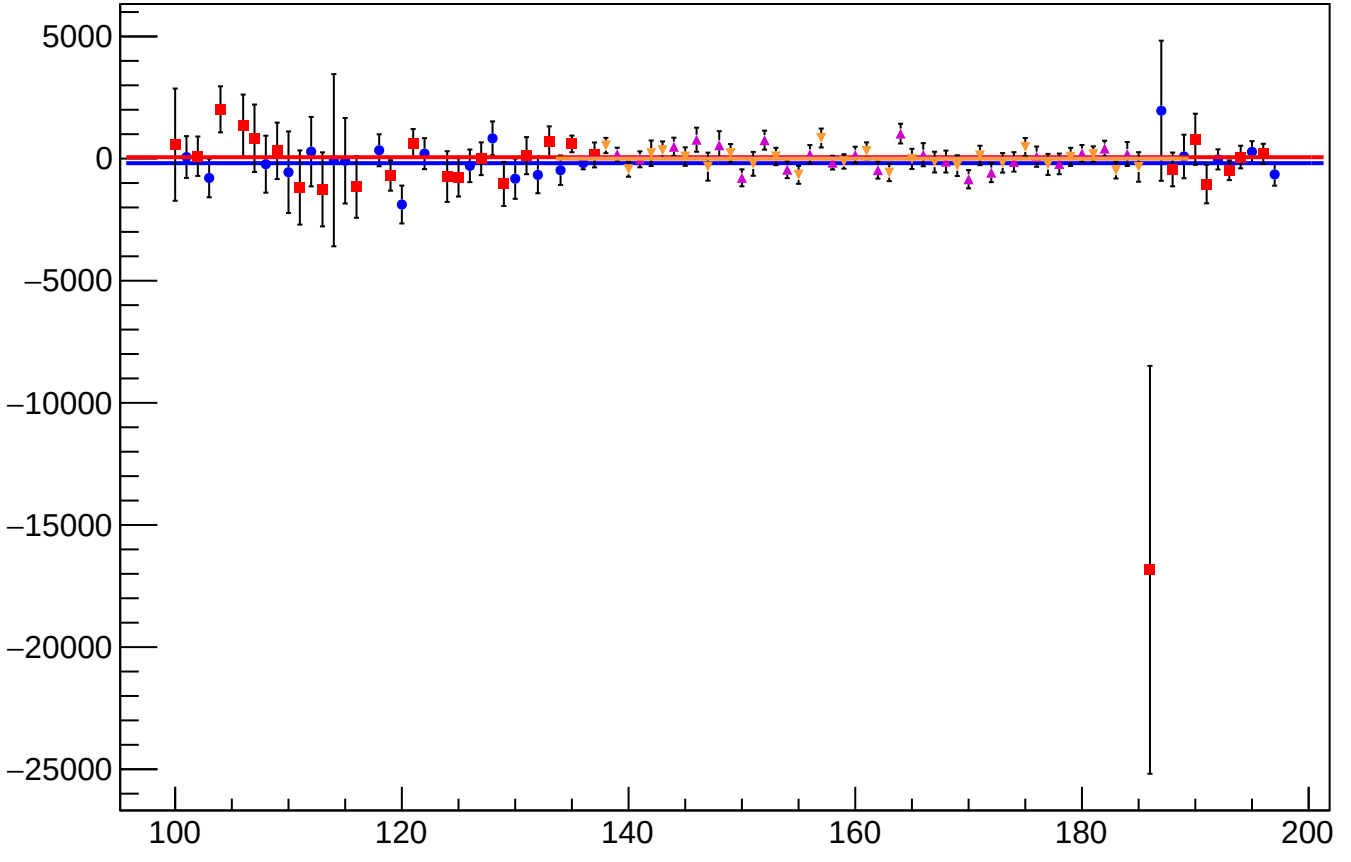
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 78.902+/-0.010 χ^2/NDF: 1042699.2/45

All: 79.404+/-0.007 χ^2/NDF: 2736634.5/94

- sign 79.922+/-0.010 χ^2/NDF: 1689086.7/48

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -187.558+/-135.485 χ^2/NDF: 13.0/20

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 56.195+/-133.990 χ^2/NDF: 26.2/25

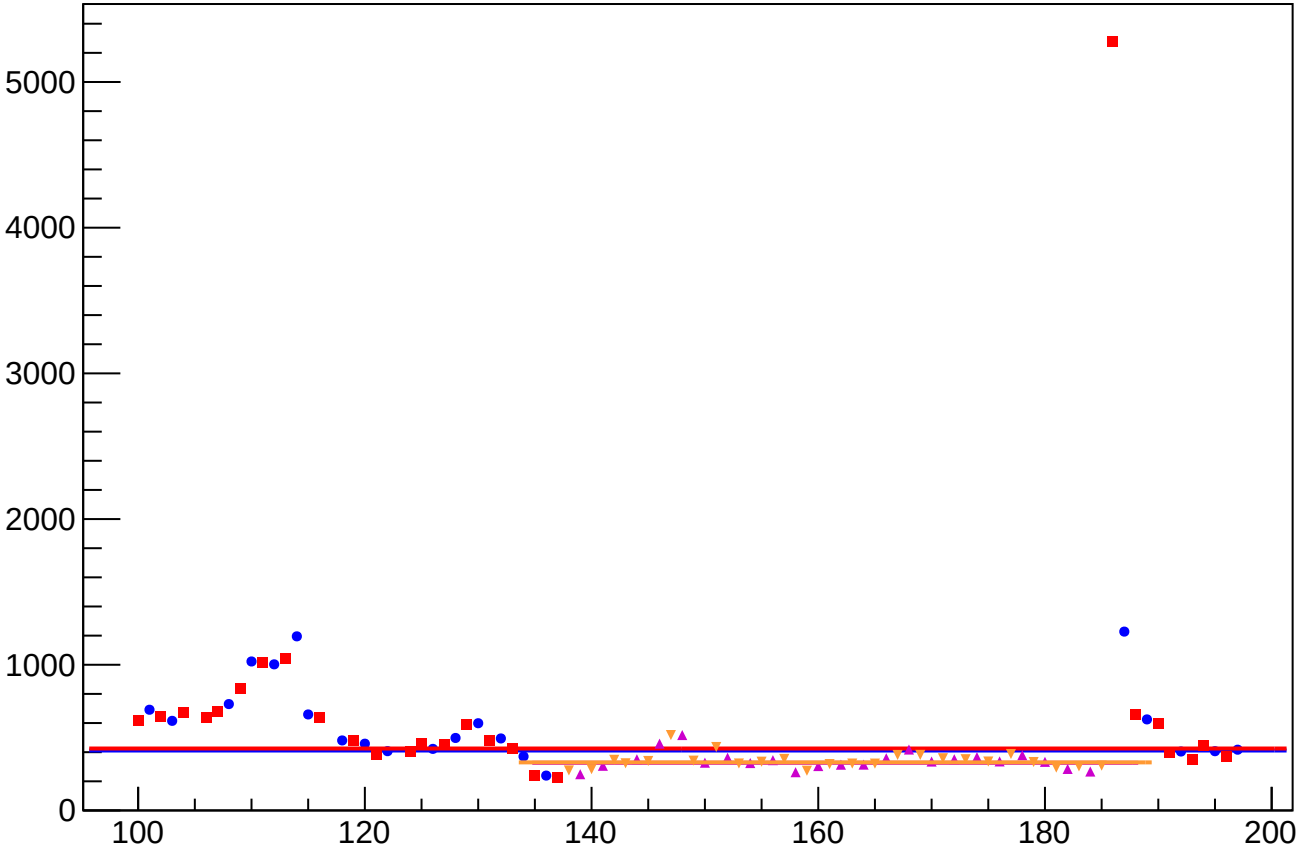
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -47.413+/-66.193 χ^2/NDF: 38.4/45

All: -9.951+/-47.127 χ^2/NDF: 100.3/94

- sign 28.560+/-67.113 χ^2/NDF: 61.2/48

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 411.469+/-0.096 χ^2/NDF: 2643351.2/20

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 425.164+/-0.095 χ^2/NDF: 3409734.8/25

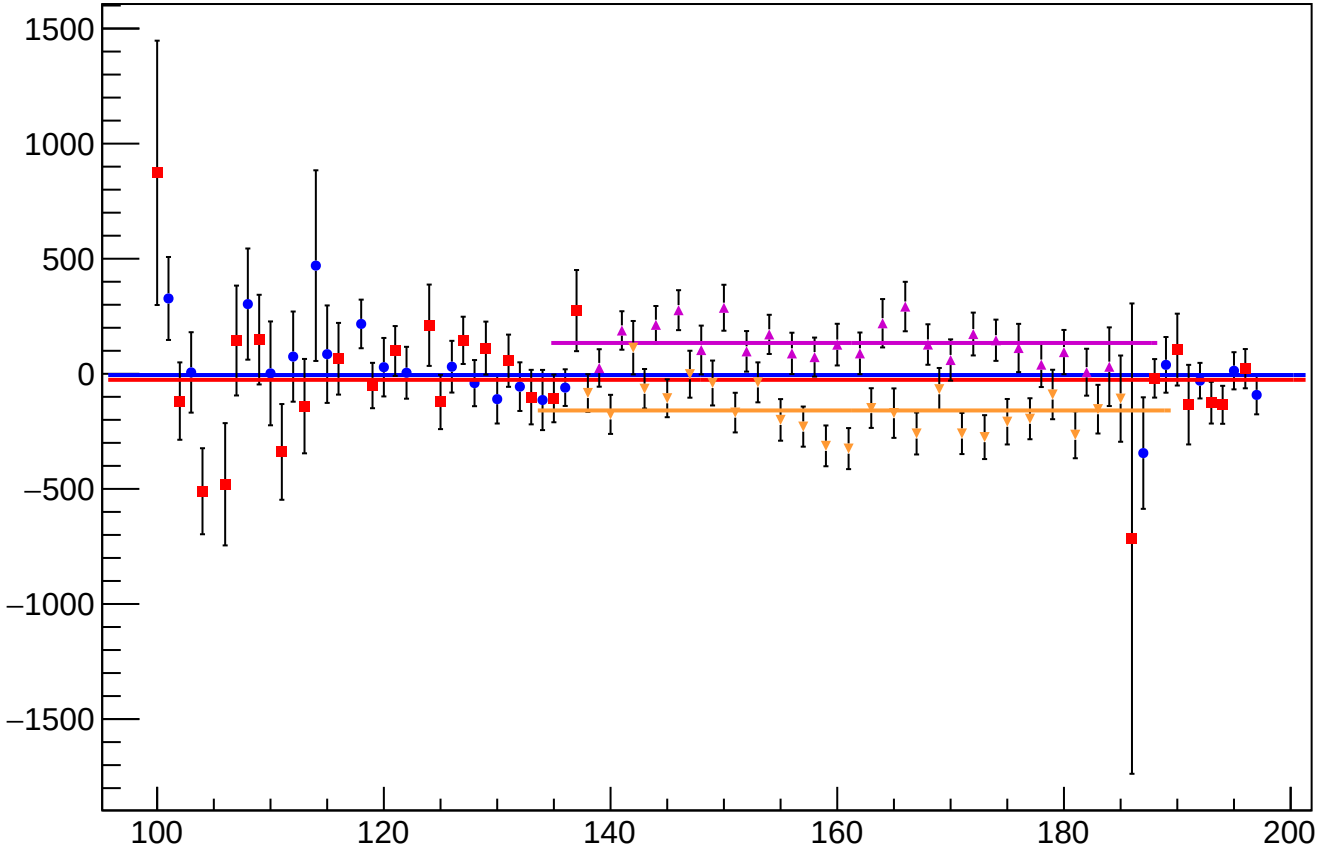
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 349.421+/-0.047 χ^2/NDF: 3853587.9/45

All: 350.495+/-0.033 χ^2/NDF: 8968471.3/94

- sign 351.600+/-0.047 χ^2/NDF: 5113815.4/48

dit_asym_sam1_mean vs Slug



Right In: -5.257+/-25.773 χ^2/NDF: 17.1/20

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -26.156+/-25.203 χ^2/NDF: 34.0/25

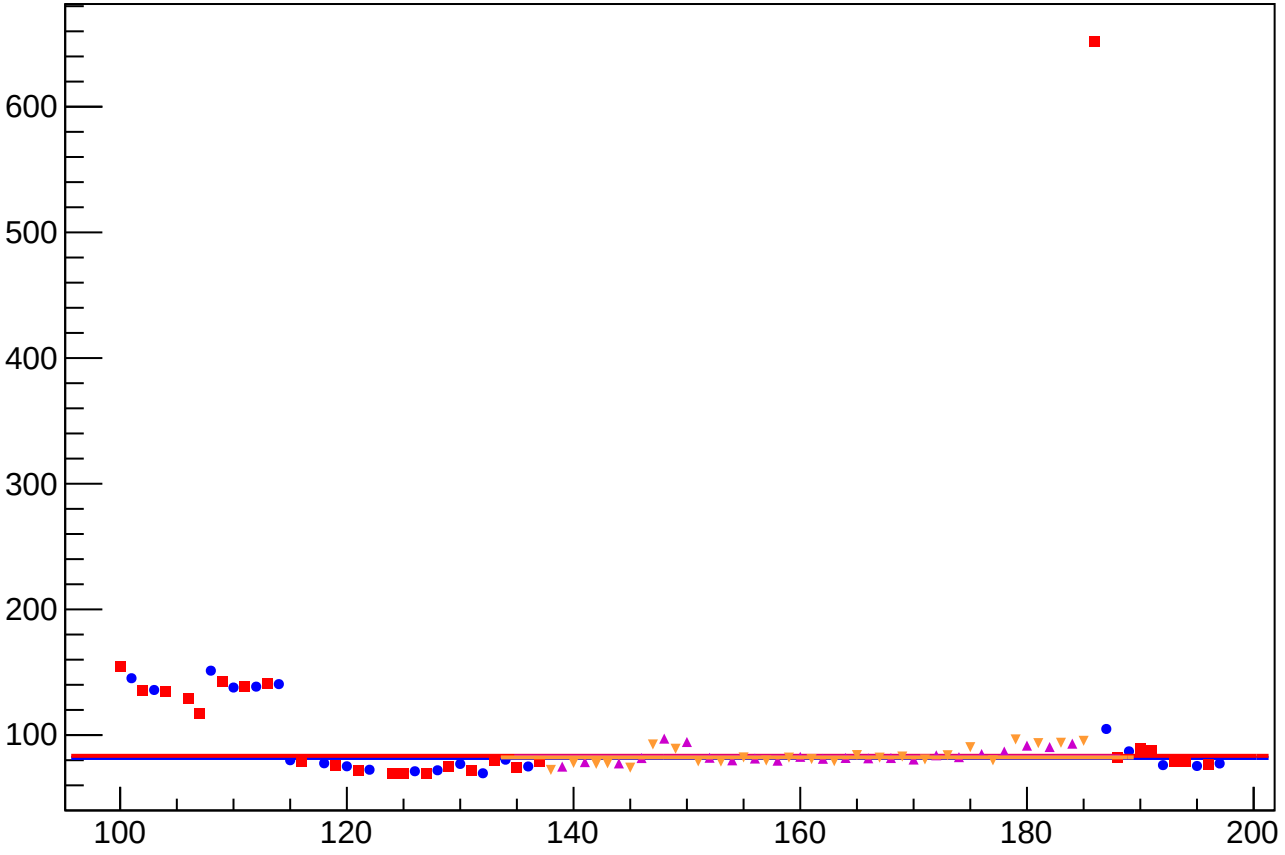
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -105.940+/-15.162 χ^2/NDF: 68.6/45

All: -17.205+/-10.802 χ^2/NDF: 213.9/94

- sign 74.260+/-15.393 χ^2/NDF: 75.7/48

dit_asym_sam1_rms vs Slug



Right In: 81.782+/-0.018 χ^2/NDF: 1092294.2/20

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 83.490+/-0.018 χ^2/NDF: 1770878.4/25

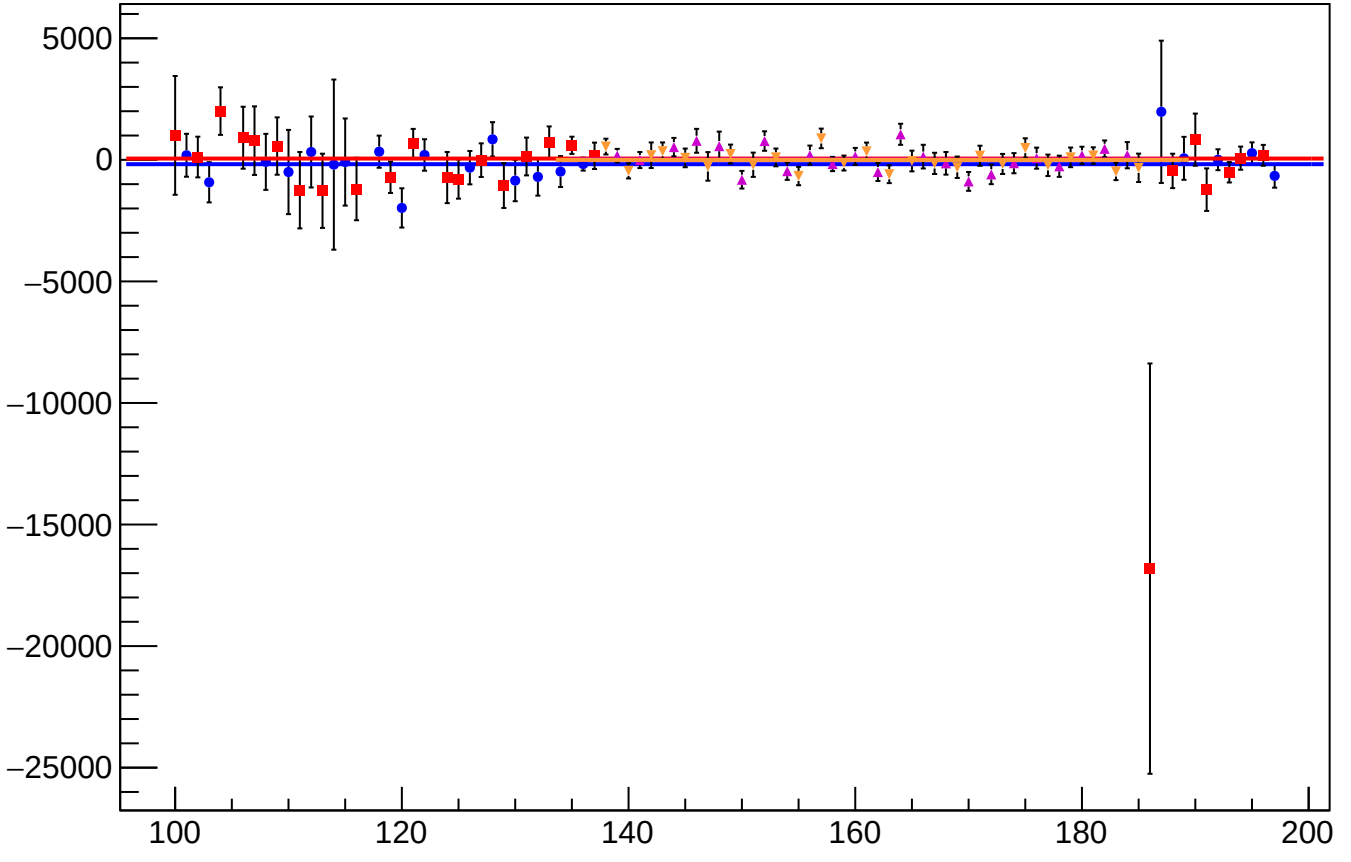
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.086+/-0.011 χ^2/NDF: 1309269.5/45

All: 82.624+/-0.008 χ^2/NDF: 3231354.1/94

- sign 83.178+/-0.011 χ^2/NDF: 1916973.8/48

asym_sam1_dit_correction_mean vs Slug



Right In: -178.634+/-140.440 χ^2/NDF: 13.3/20

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 52.863+/-138.679 χ^2/NDF: 25.7/25

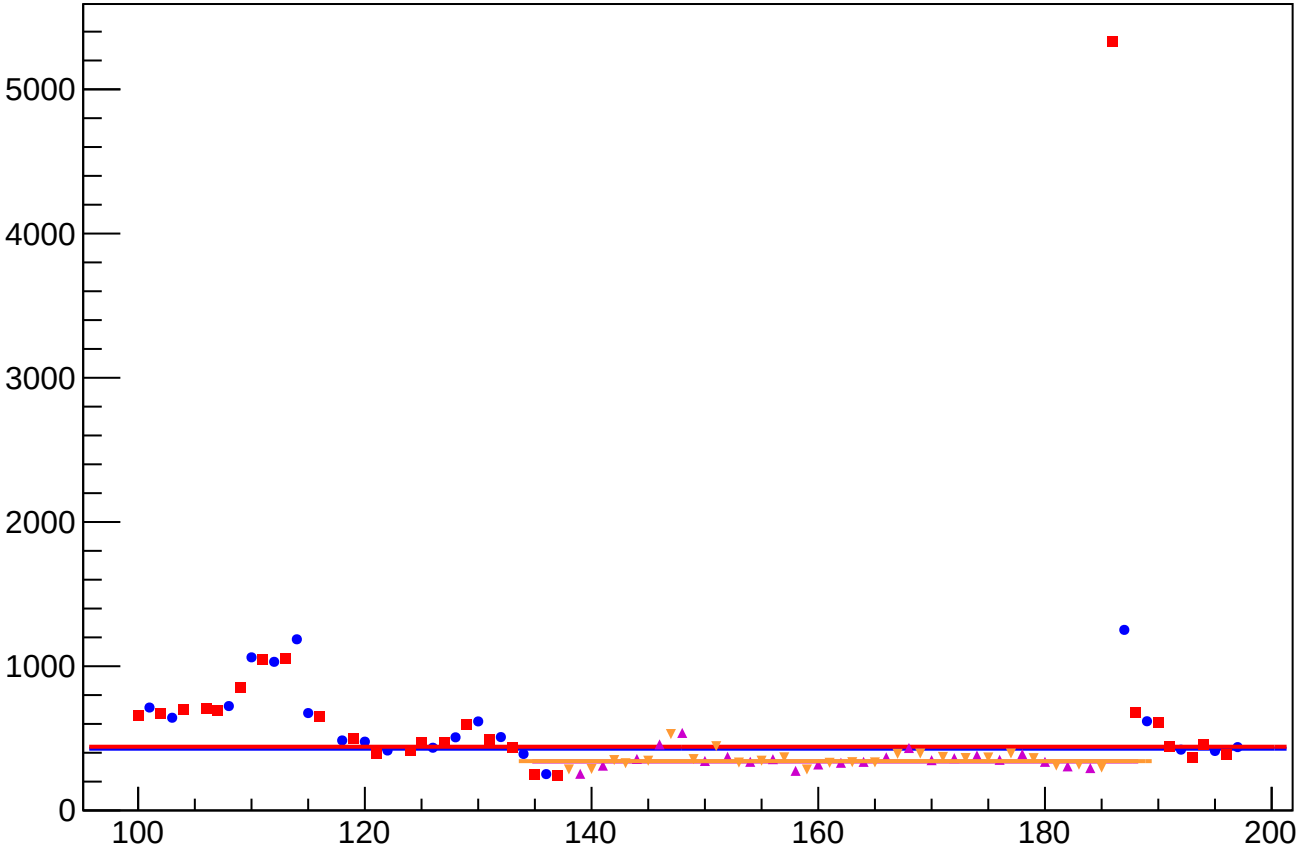
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -44.949+/-68.576 χ^2/NDF: 38.0/45

All: -10.147+/-48.836 χ^2/NDF: 99.2/94

- sign 25.663+/-69.562 χ^2/NDF: 60.6/48

asym_sam1_dit_correction_rms vs Slug



Right In: 428.169+/-0.099 χ^2/NDF: 2514319.3/20

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 441.915+/-0.098 χ^2/NDF: 3351522.7/25

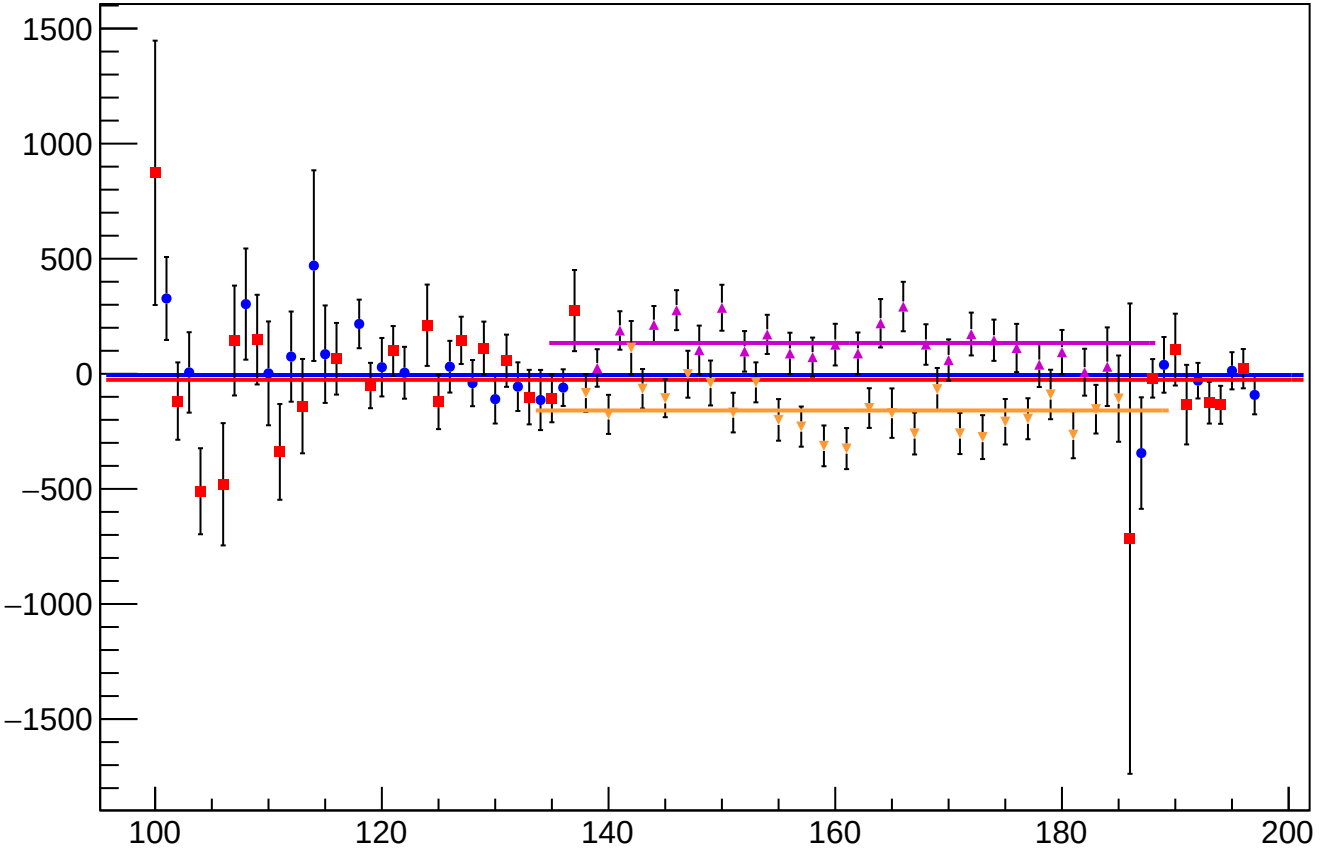
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 362.483+/-0.048 χ^2/NDF: 3742741.5/45

All: 363.830+/-0.035 χ^2/NDF: 8759992.4/94

- sign 365.216+/-0.049 χ^2/NDF: 5015685.4/48

eigen_dit_asym_sam1_mean vs Slug



Right In: -5.256+/-25.773 χ^2/NDF: 17.1/20

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -26.155+/-25.203 χ^2/NDF: 34.0/25

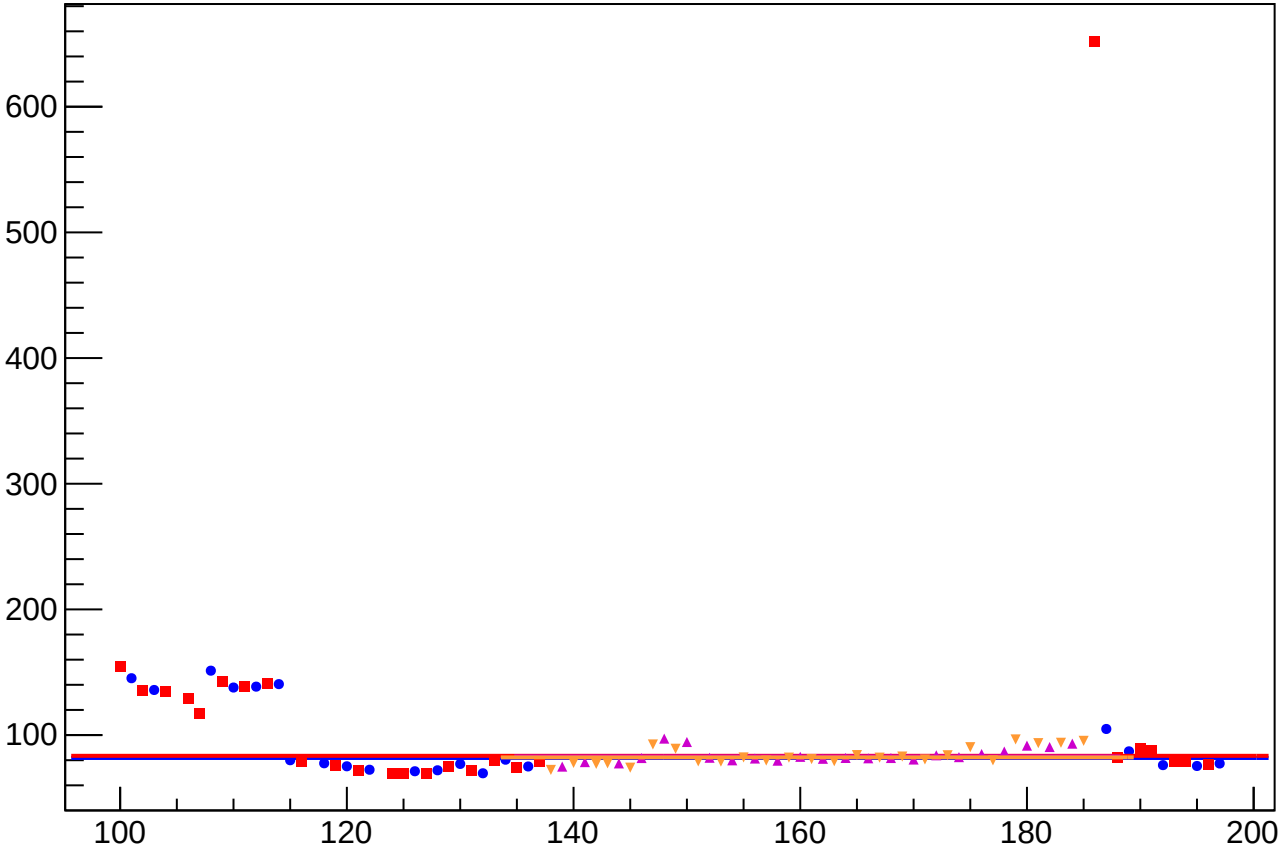
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -105.940+/-15.162 χ^2/NDF: 68.6/45

All: -17.205+/-10.802 χ^2/NDF: 213.9/94

- sign 74.261+/-15.393 χ^2/NDF: 75.7/48

eigen_dit_asym_sam1_rms vs Slug



Right In: 81.781+/-0.018 χ^2/NDF: 1092294.9/20

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

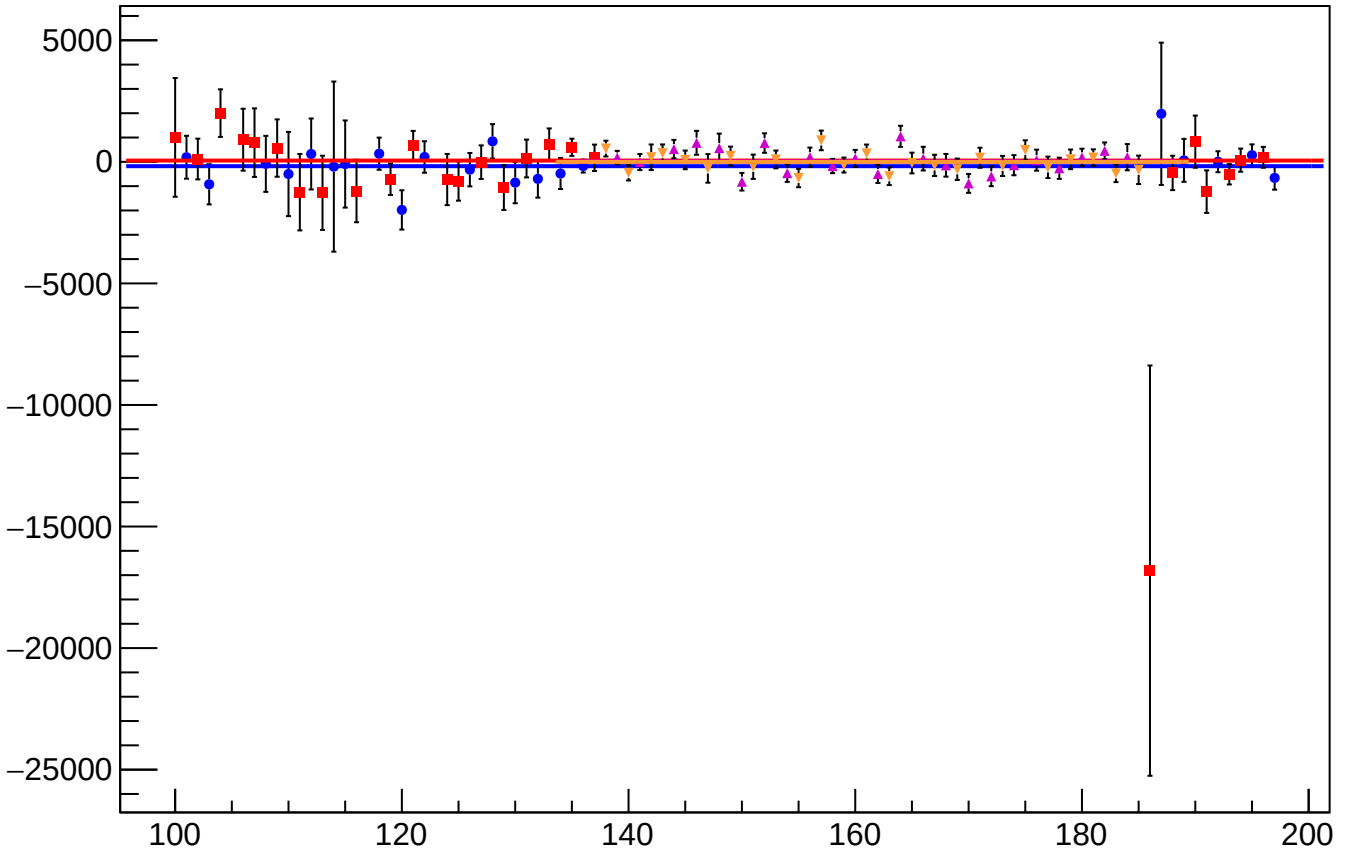
Right Out: 83.489+/-0.018 χ^2/NDF: 1770878.3/25

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.086+/-0.011 χ^2/NDF: 1309270.6/45

All: 82.624+/-0.008 χ^2/NDF: 3231353.1/94

- sign 83.178+/-0.011 χ^2/NDF: 1916971.9/48



Right In: -178.632+/-140.439 χ^2/NDF: 13.3/20

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 52.863+/-138.679 χ^2/NDF: 25.7/25

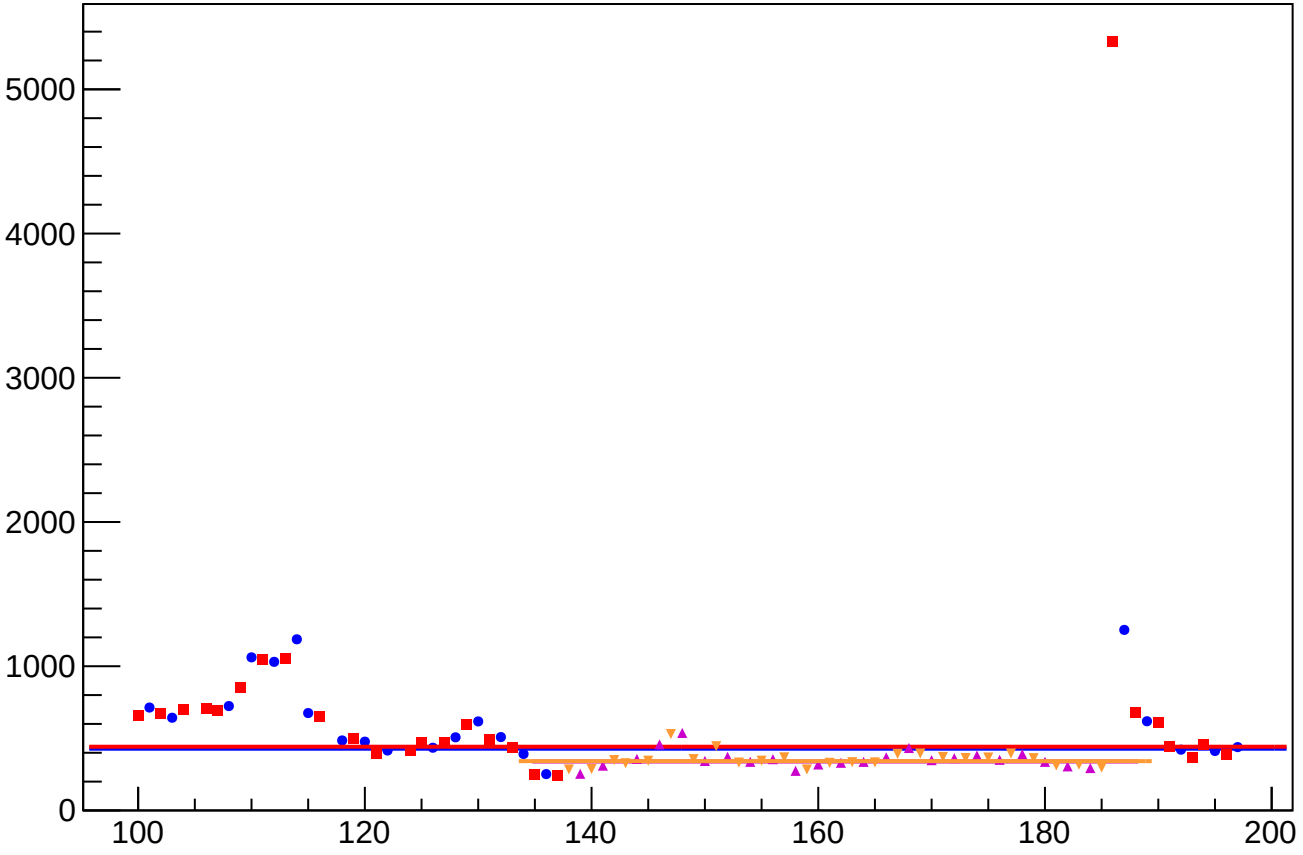
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -44.949+/-68.576 χ^2/NDF: 38.0/45

All: -10.146+/-48.836 χ^2/NDF: 99.2/94

- sign 25.663+/-69.562 χ^2/NDF: 60.6/48

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 428.168+/-0.099 χ^2/NDF: 2514324.3/20

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 441.914+/-0.098 χ^2/NDF: 3351531.2/25

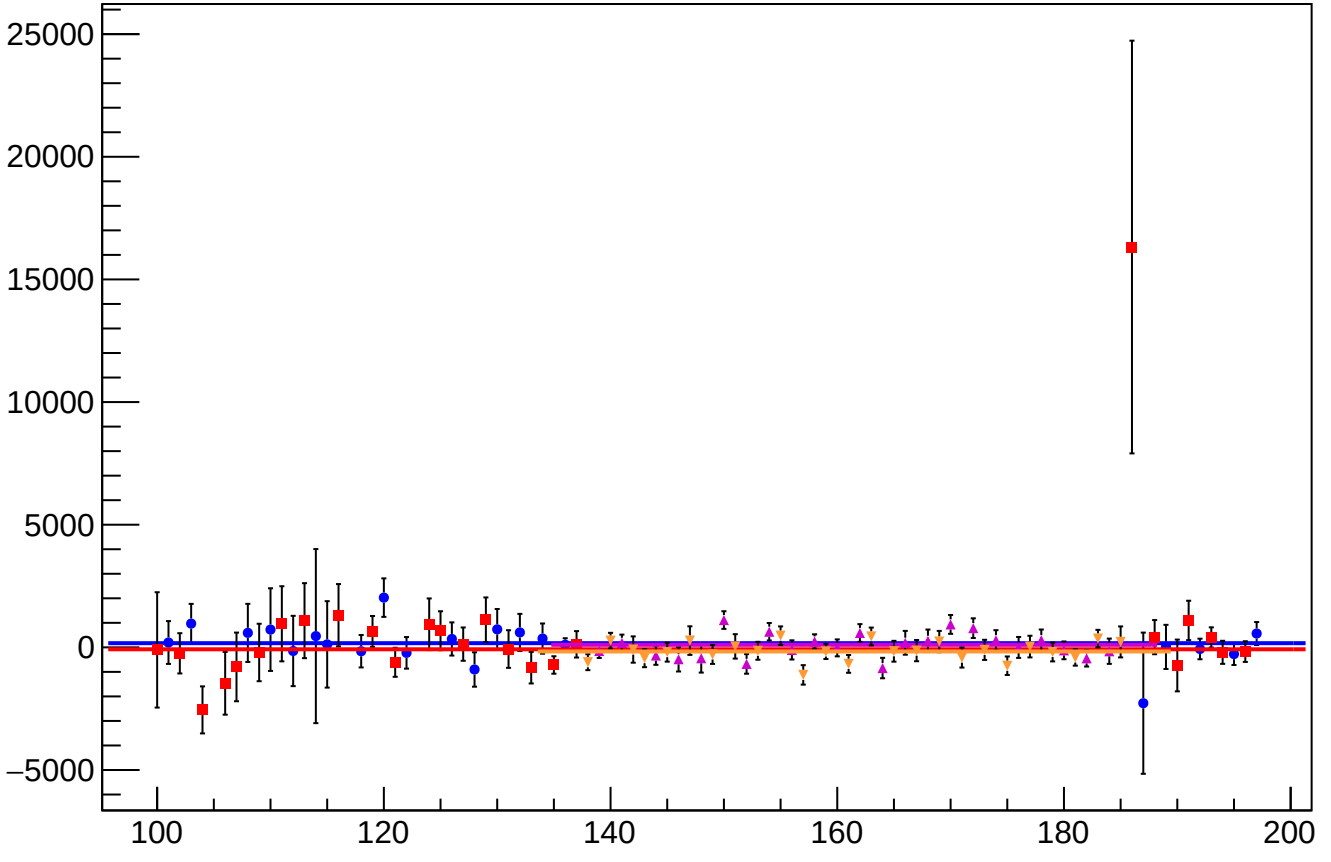
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 362.483+/-0.048 χ^2/NDF: 3742740.3/45

All: 363.830+/-0.035 χ^2/NDF: 8759989.8/94

- sign 365.216+/-0.049 χ^2/NDF: 5015684.0/48

asym_sam1_mean vs Slug



Right In: 170.318+/-138.656 χ^2/NDF: 13.6/20

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -78.445+/-136.941 χ^2/NDF: 29.3/25

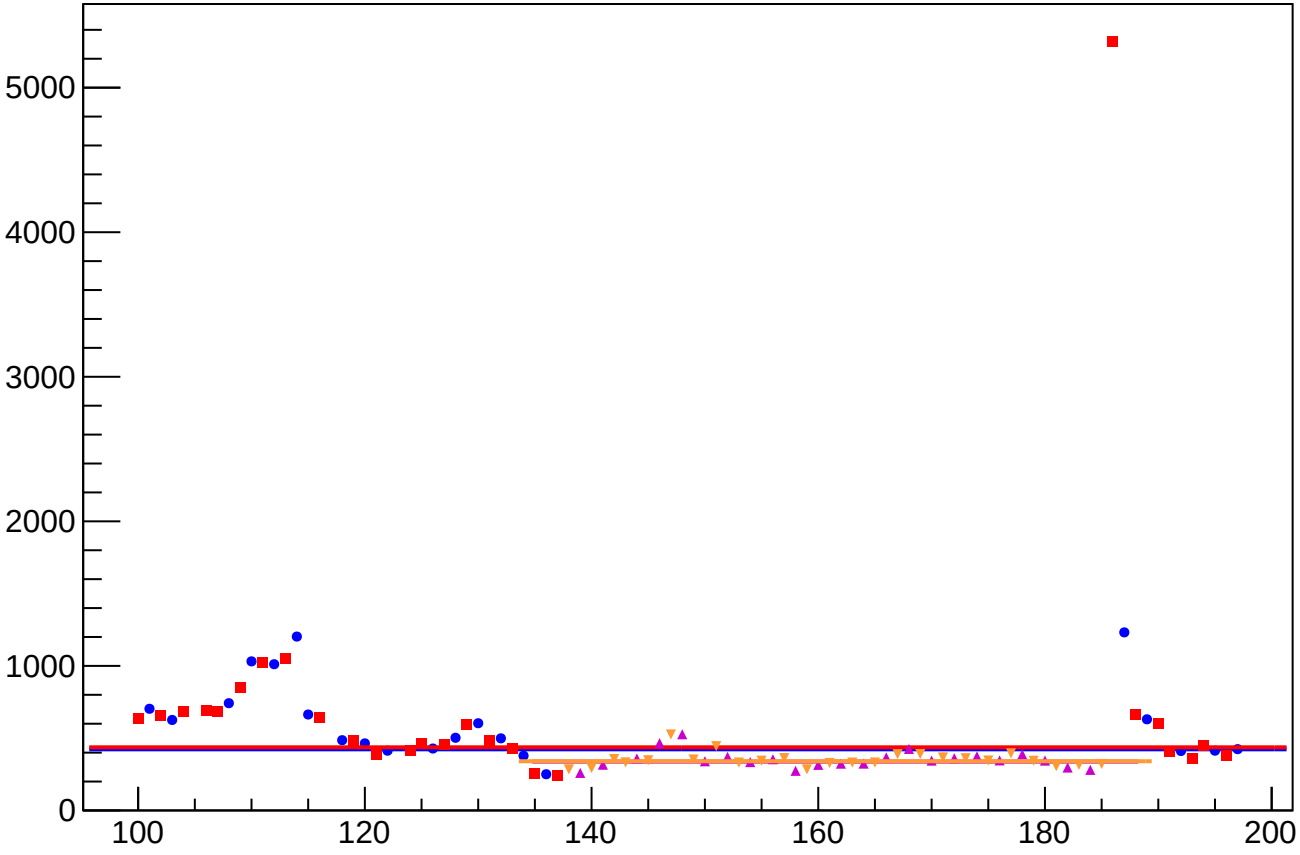
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -85.920+/-68.100 χ^2/NDF: 43.7/45

All: -15.181+/-48.494 χ^2/NDF: 114.0/94

- sign 57.594+/-69.074 χ^2/NDF: 68.1/48

asym_sam1_rms vs Slug



Right In: 422.835+/-0.098 χ^2/NDF: 2494449.6/20

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

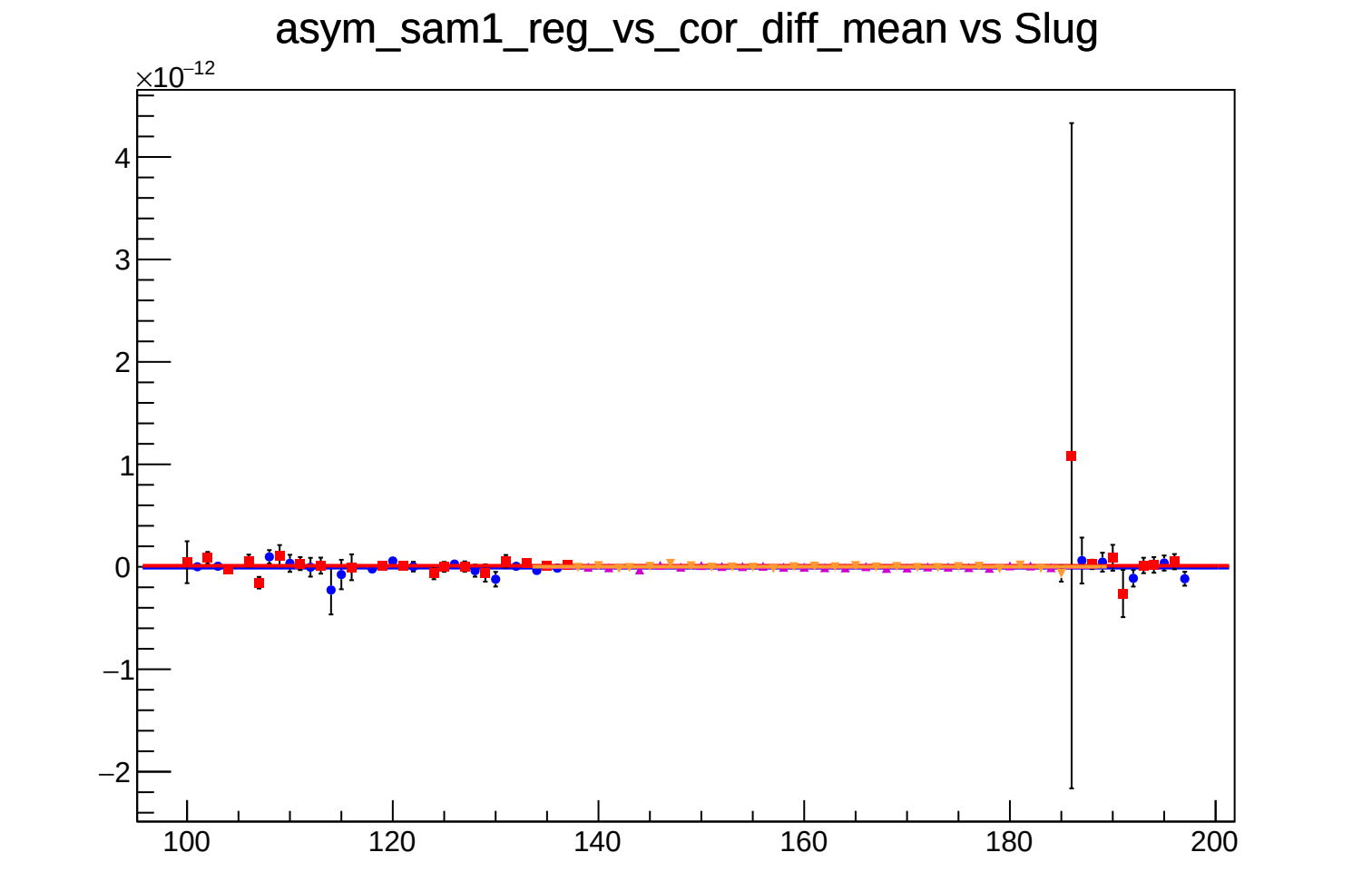
Right Out: 436.753+/-0.097 χ^2/NDF: 3287672.9/25

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 360.278+/-0.048 χ^2/NDF: 3635116.3/45

All: 361.593+/-0.034 χ^2/NDF: 8524226.0/94

- sign 362.945+/-0.049 χ^2/NDF: 4887598.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

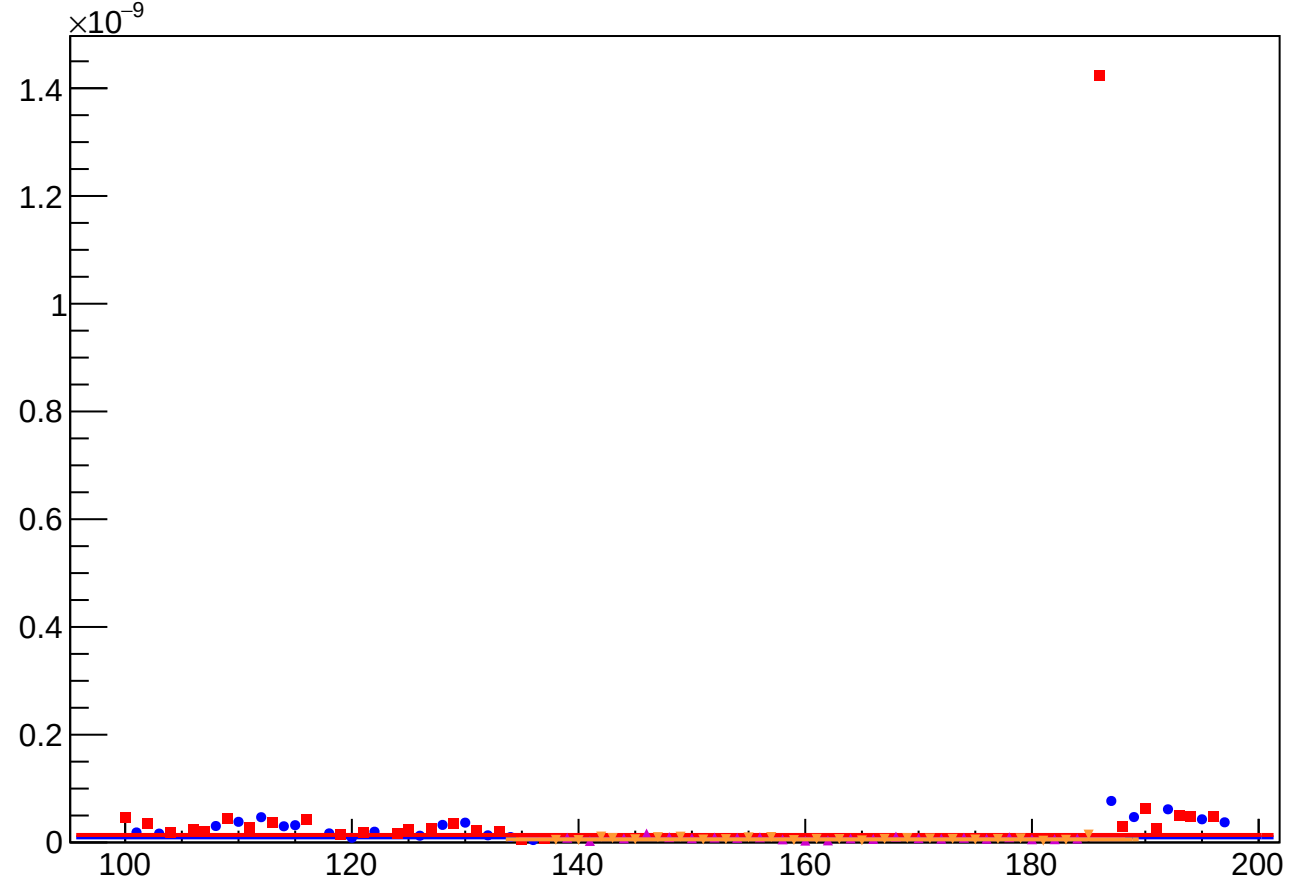
Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/25

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.2/45

All: -0.000+/-0.000 χ^2/NDF: 72.0/94

- sign -0.000+/-0.000 χ^2/NDF: 33.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 4907431.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5083890.3/25

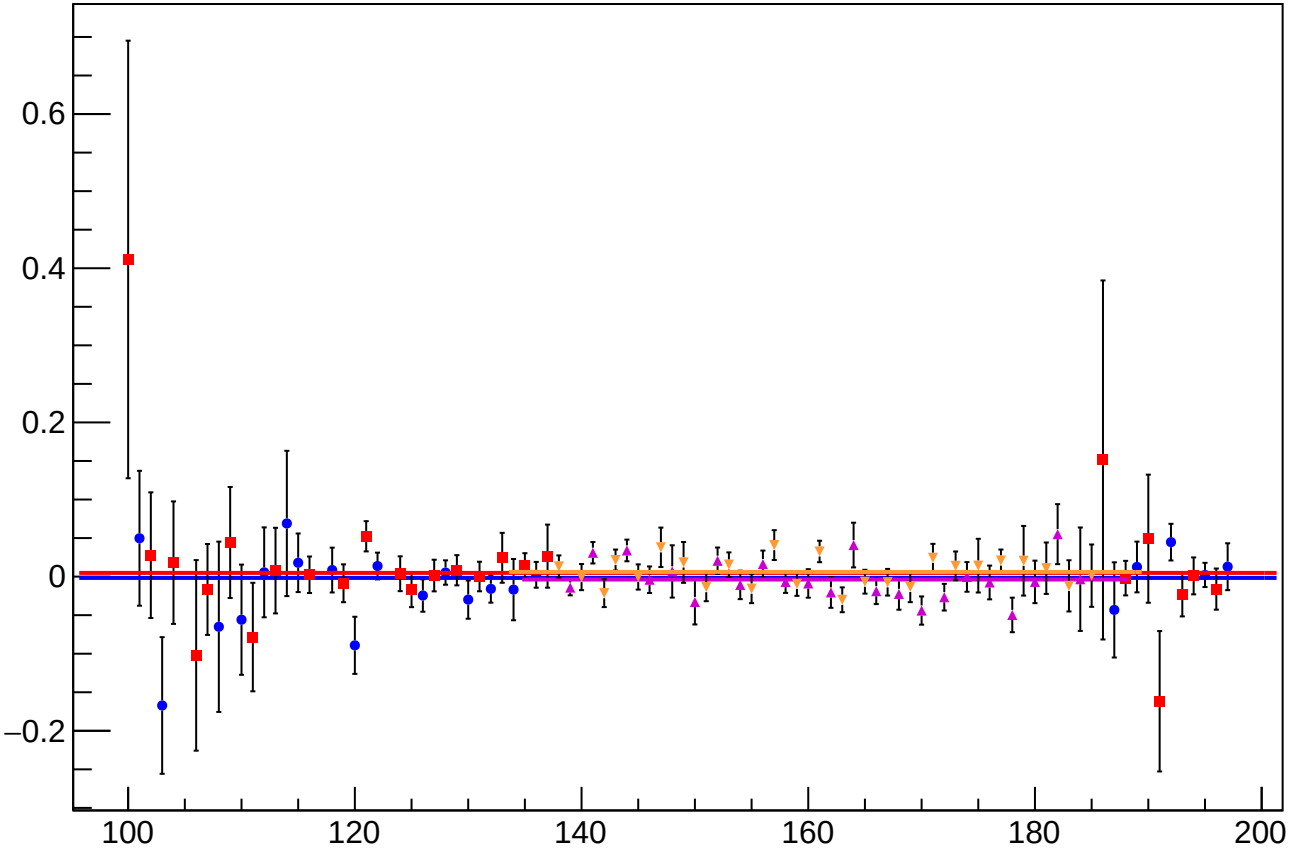
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6683183.7/45

All: 0.000+/-0.000 χ^2/NDF: 15547861.1/94

- sign 0.000+/-0.000 χ^2/NDF: 8768936.5/48

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/20

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 18.8/25

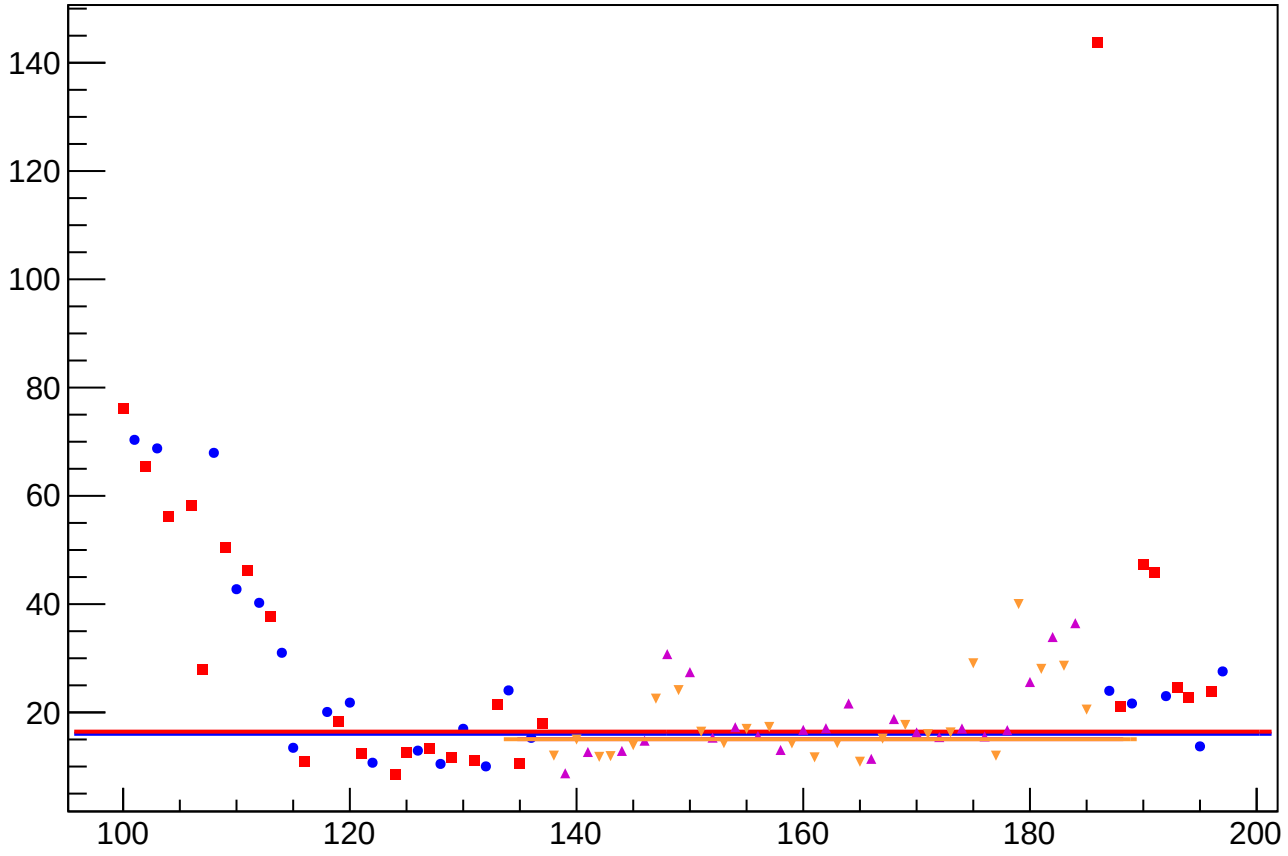
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/45

All: 0.001+/-0.002 χ^2/NDF: 106.9/94

- sign -0.001+/-0.003 χ^2/NDF: 57.4/48

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 16.049+/-0.004 χ^2/NDF: 4077932.3/20

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

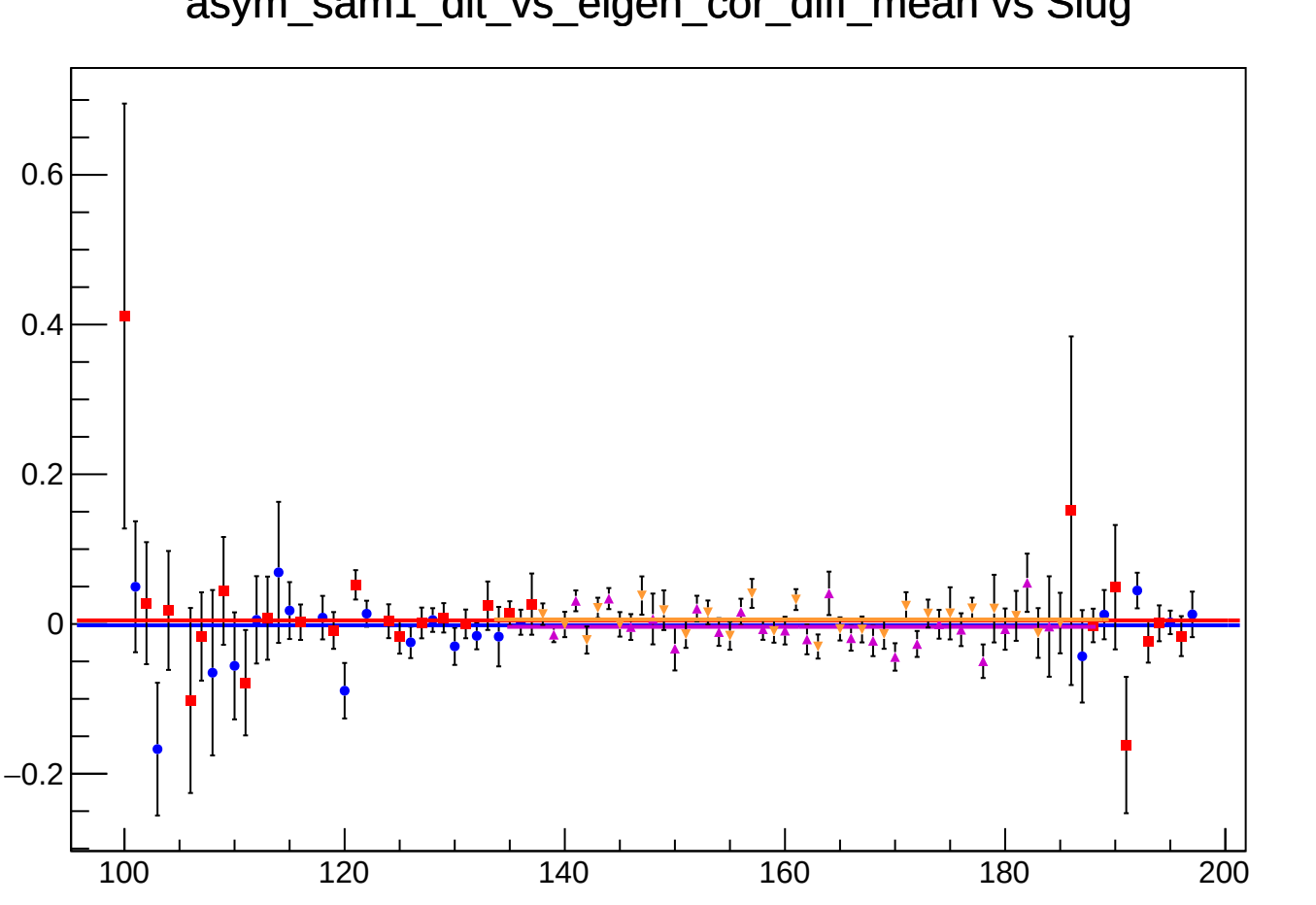
Right Out: 16.446+/-0.004 χ^2/NDF: 5478283.6/25

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.337+/-0.002 χ^2/NDF: 6879060.3/45

All: 15.417+/-0.002 χ^2/NDF: 15507932.0/94

- sign 15.501+/-0.002 χ^2/NDF: 8626146.7/48



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/20

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 18.8/25

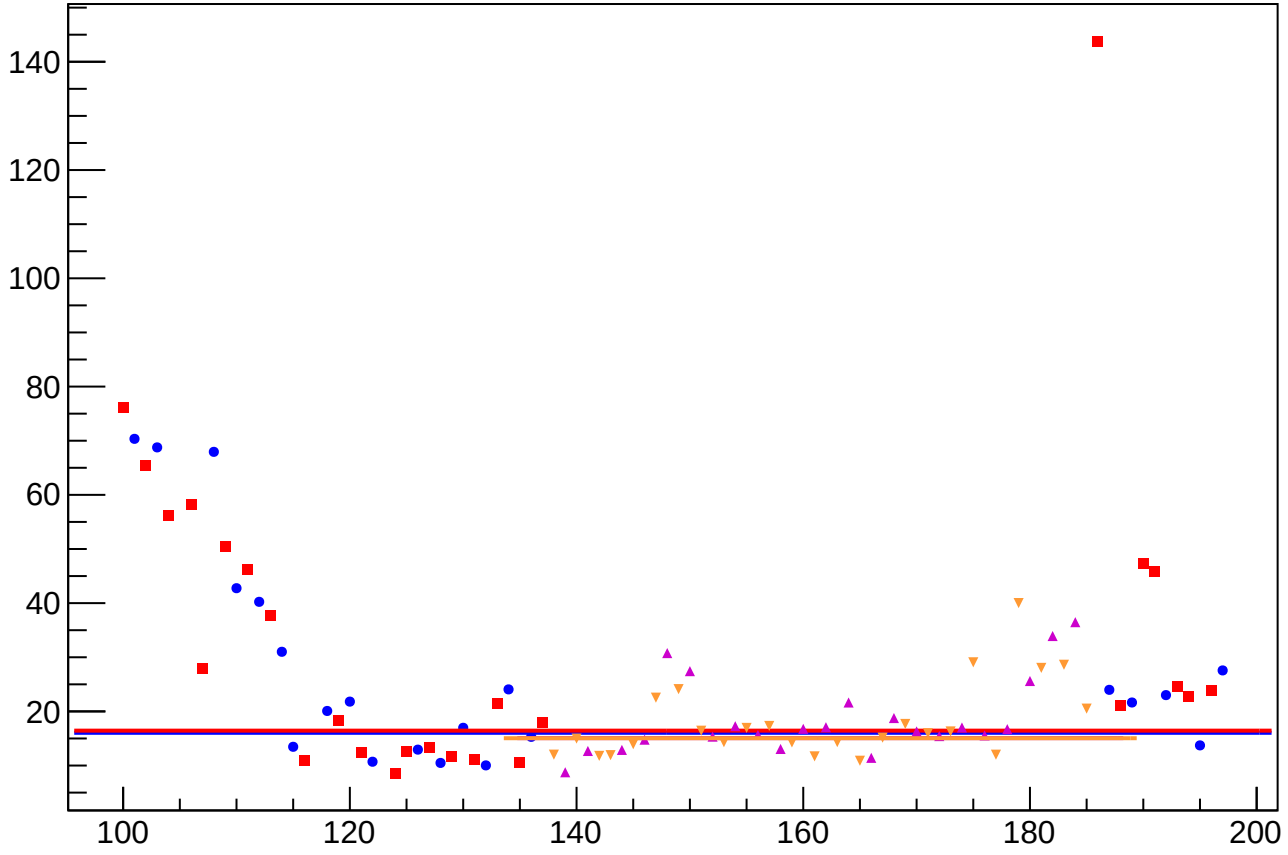
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/45

All: 0.001+/-0.002 χ^2/NDF: 106.9/94

- sign -0.001+/-0.003 χ^2/NDF: 57.4/48

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.049+/-0.004 χ^2/NDF: 4077932.3/20

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

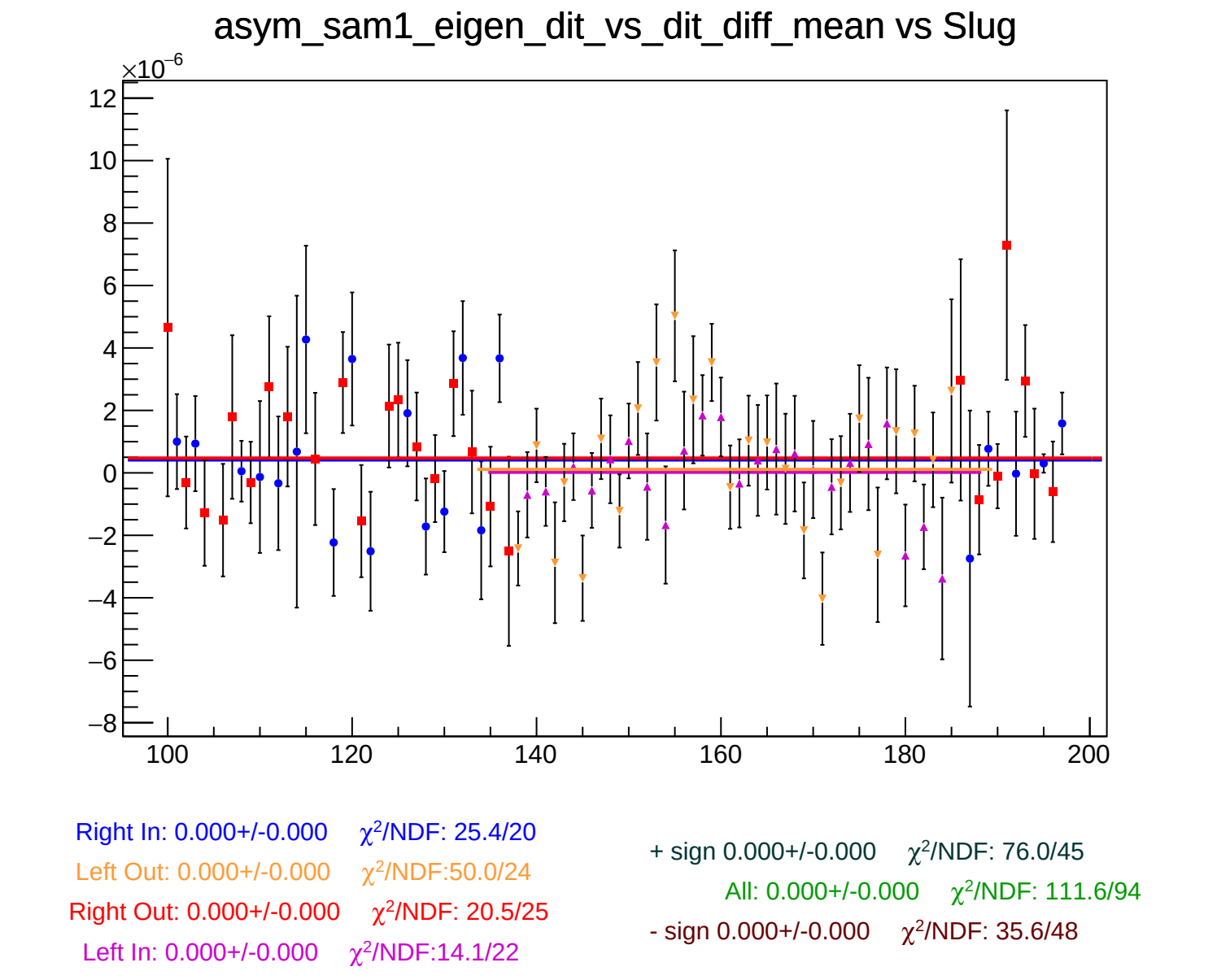
Right Out: 16.446+/-0.004 χ^2/NDF: 5478283.6/25

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

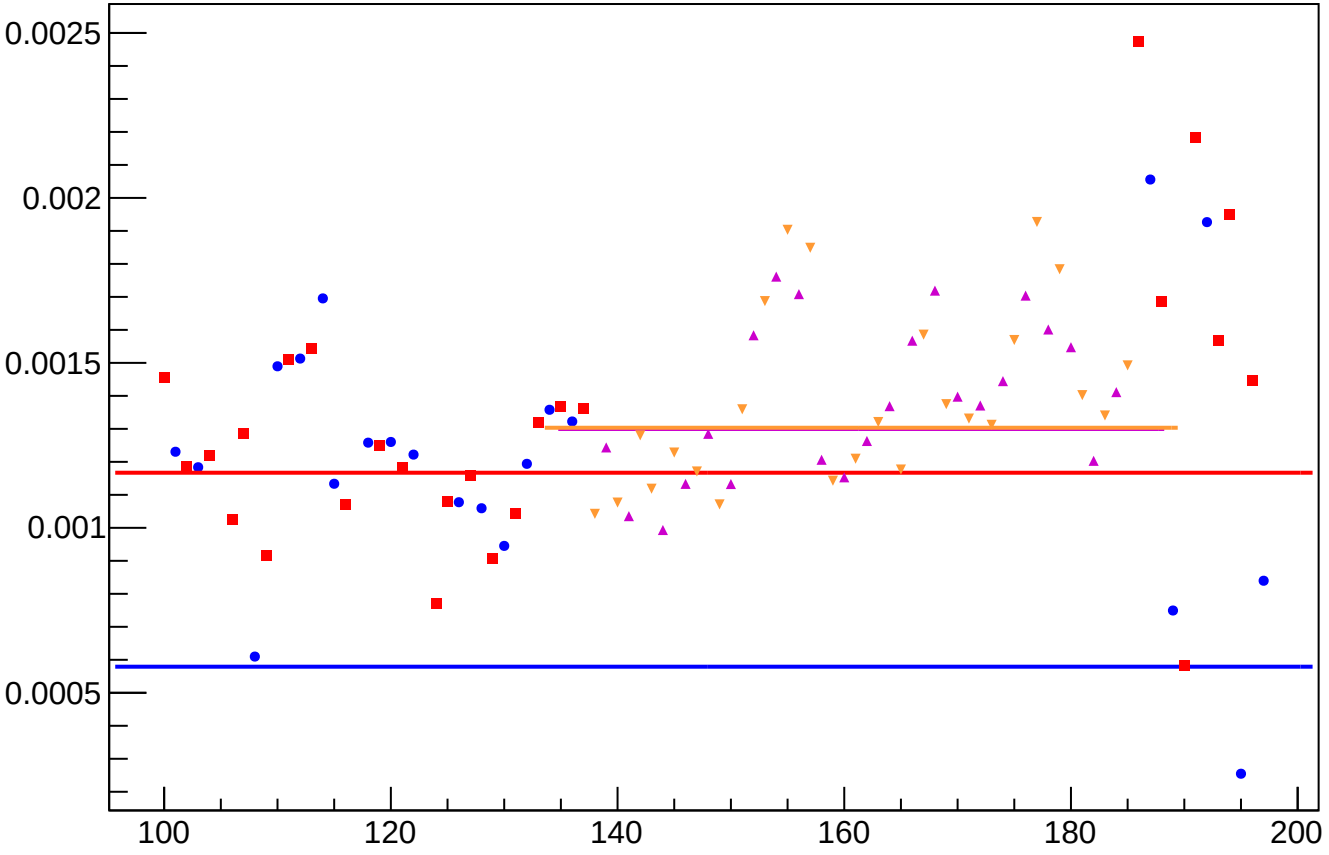
+ sign 15.337+/-0.002 χ^2/NDF: 6879060.3/45

All: 15.417+/-0.002 χ^2/NDF: 15507932.0/94

- sign 15.501+/-0.002 χ^2/NDF: 8626146.7/48


asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.4/20
Left Out: 0.000+/-0.000 χ²/NDF:50.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.5/25
Left In: 0.000+/-0.000 χ²/NDF:14.1/22
+ sign 0.000+/-0.000 χ²/NDF: 76.0/45
All: 0.000+/-0.000 χ²/NDF: 111.6/94
- sign 0.000+/-0.000 χ²/NDF: 35.6/48

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7521812.1/20

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

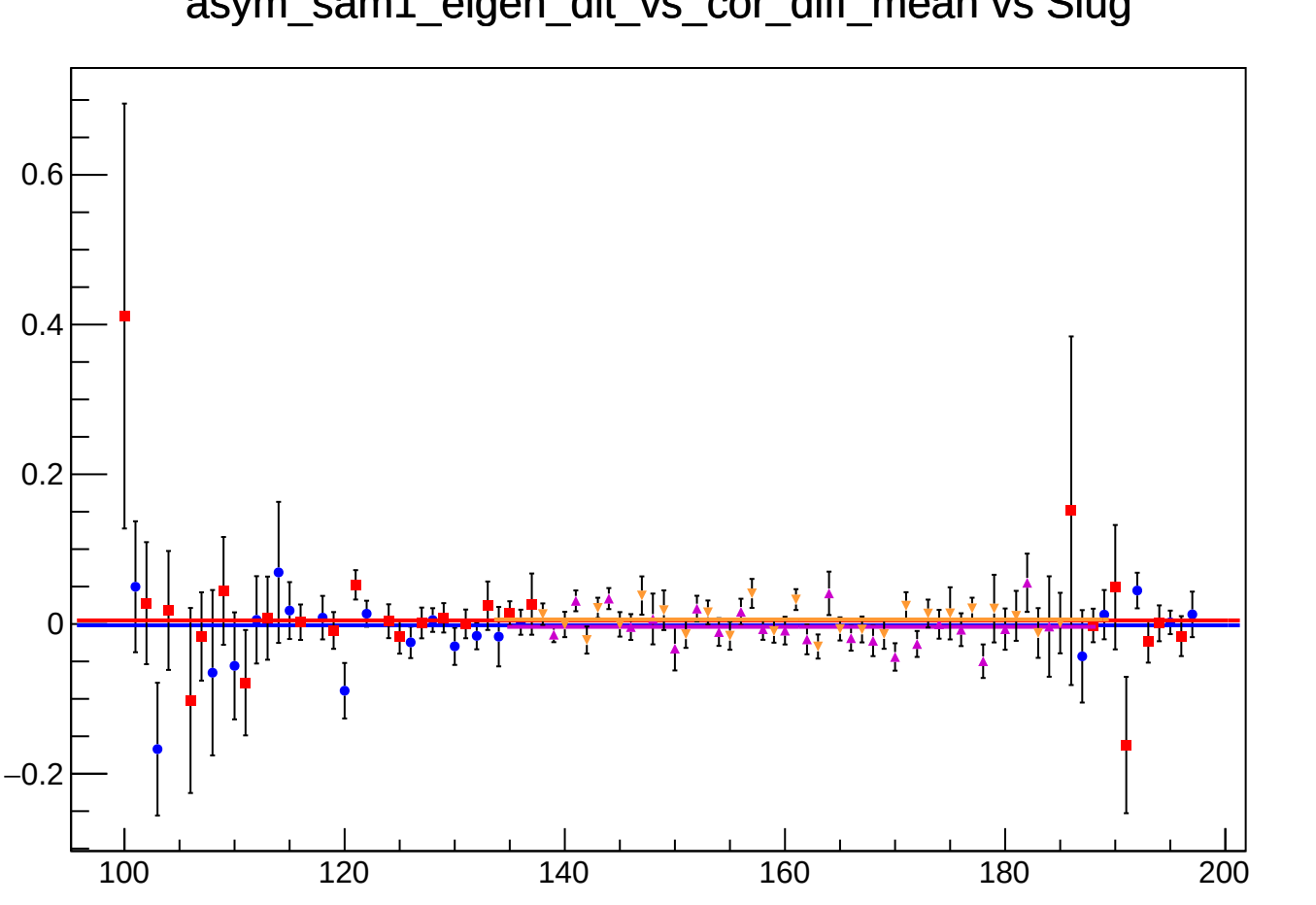
Right Out: 0.001+/-0.000 χ^2/NDF: 2015541.3/25

Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 16027709.3/45

All: 0.001+/-0.000 χ^2/NDF: 22860619.6/94

- sign 0.001+/-0.000 χ^2/NDF: 3199917.3/48



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/20

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 18.8/25

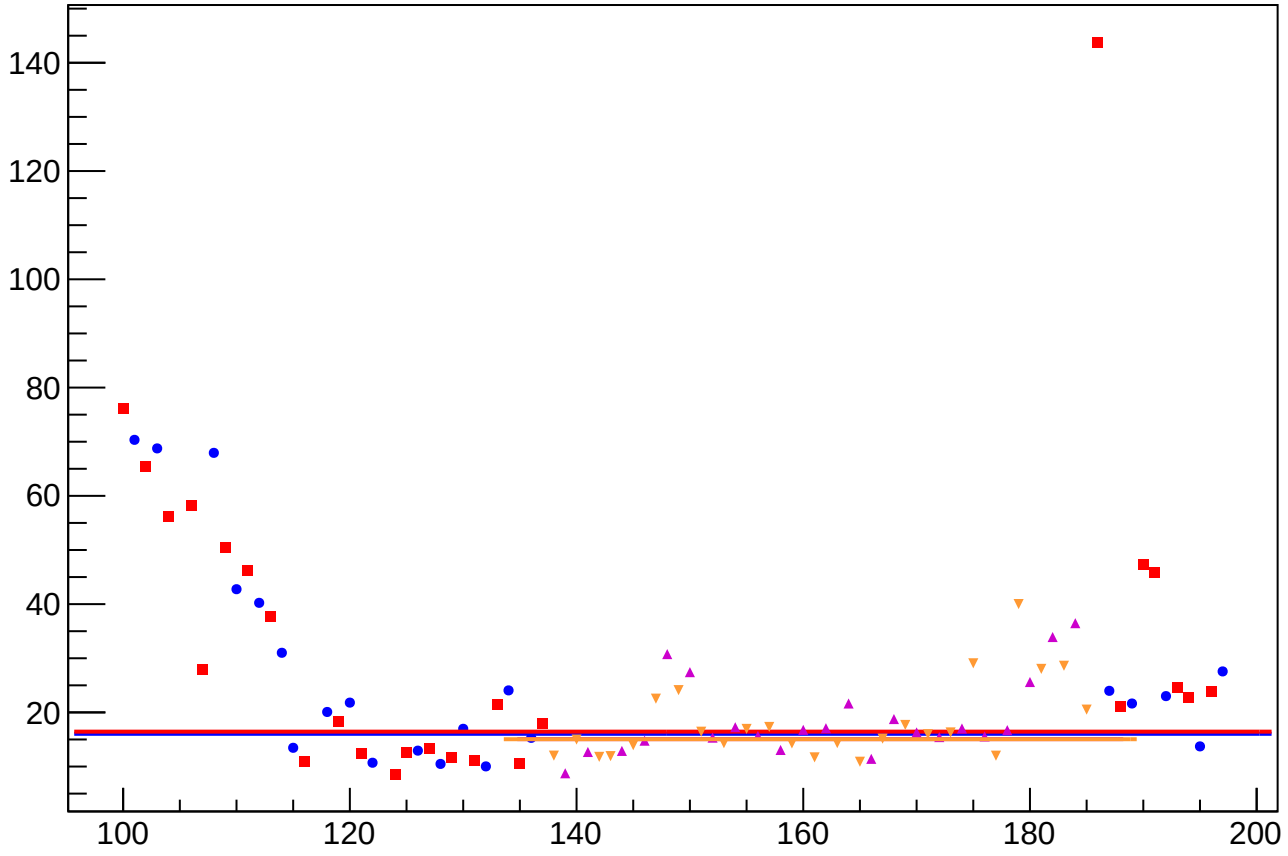
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/45

All: 0.001+/-0.002 χ^2/NDF: 106.9/94

- sign -0.001+/-0.003 χ^2/NDF: 57.4/48

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.049+/-0.004 χ^2/NDF: 4077930.6/20

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

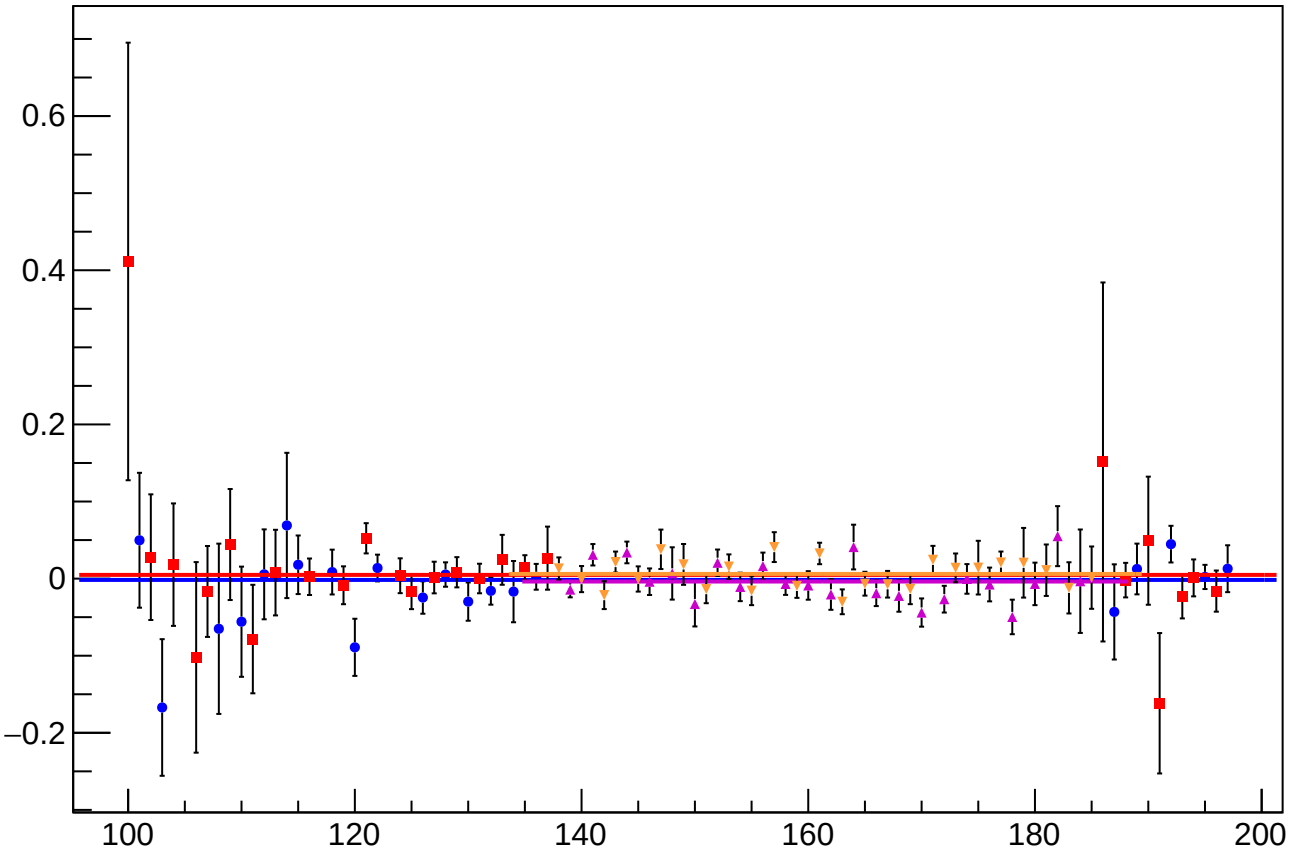
Right Out: 16.446+/-0.004 χ^2/NDF: 5478243.4/25

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.337+/-0.002 χ^2/NDF: 6879276.1/45

All: 15.417+/-0.002 χ^2/NDF: 15508159.6/94

- sign 15.501+/-0.002 χ^2/NDF: 8626156.6/48



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/20

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.006 χ^2/NDF: 18.8/25

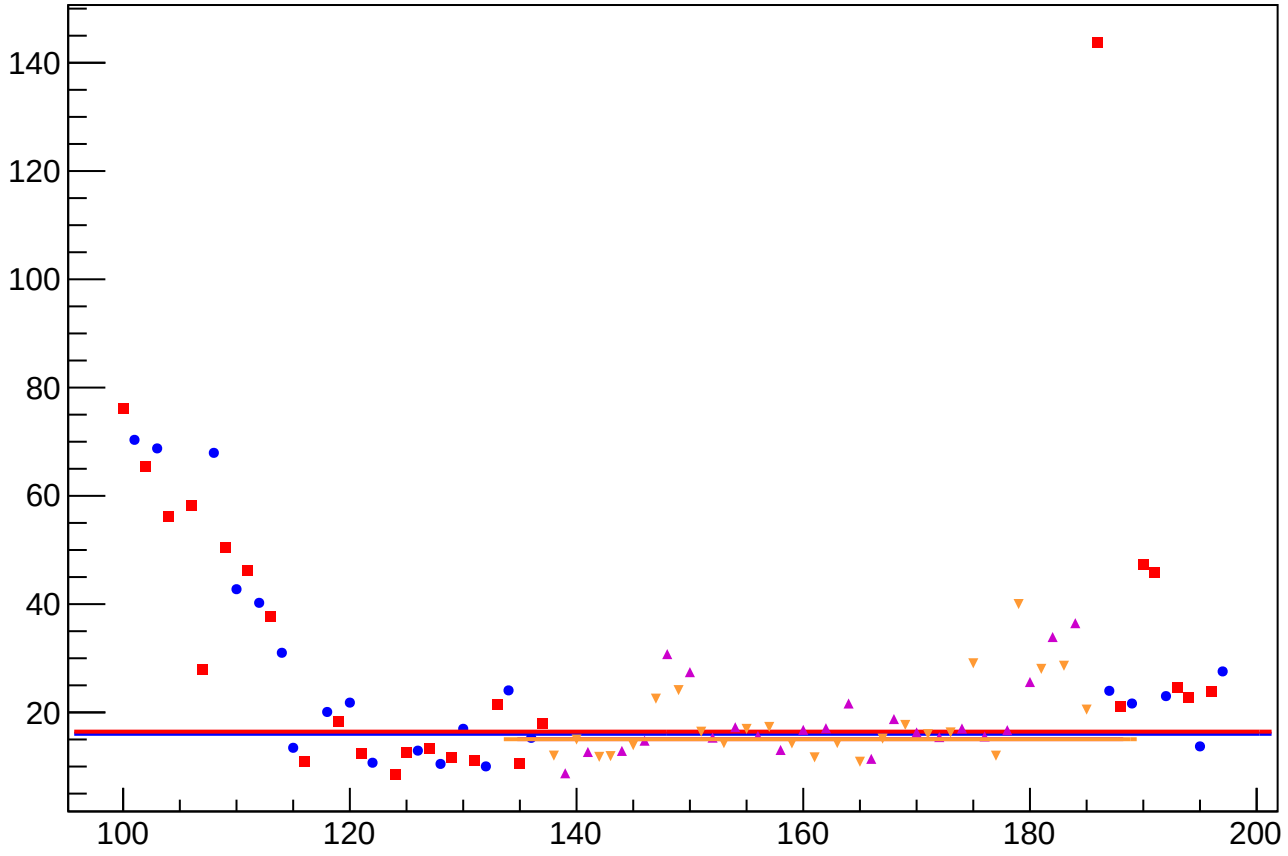
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.3/45

All: 0.001+/-0.002 χ^2/NDF: 106.9/94

- sign -0.001+/-0.003 χ^2/NDF: 57.4/48

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.049+/-0.004 χ^2/NDF: 4077930.6/20

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.446+/-0.004 χ^2/NDF: 5478243.4/25

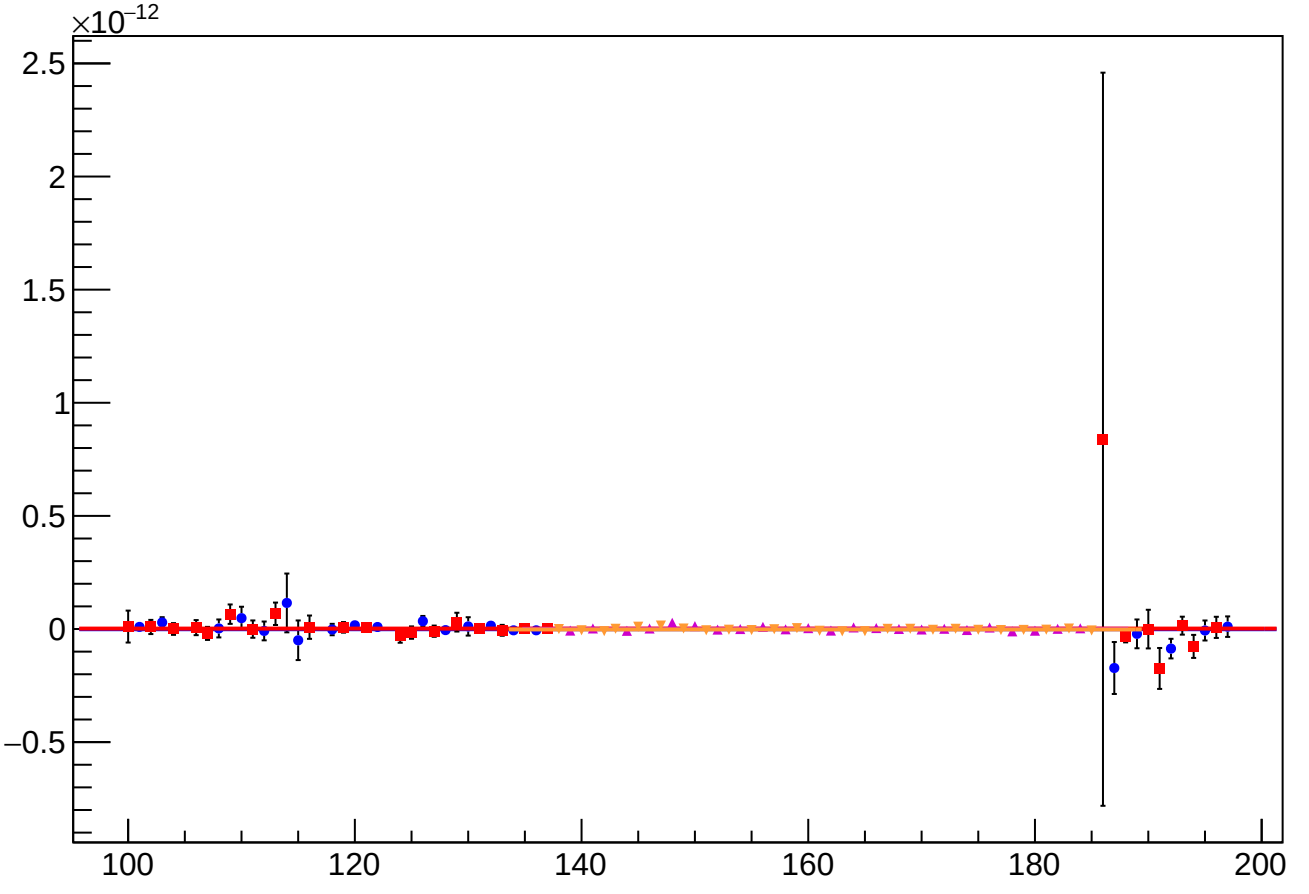
Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.337+/-0.002 χ^2/NDF: 6879276.1/45

All: 15.417+/-0.002 χ^2/NDF: 15508159.6/94

- sign 15.501+/-0.002 χ^2/NDF: 8626156.6/48

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/25

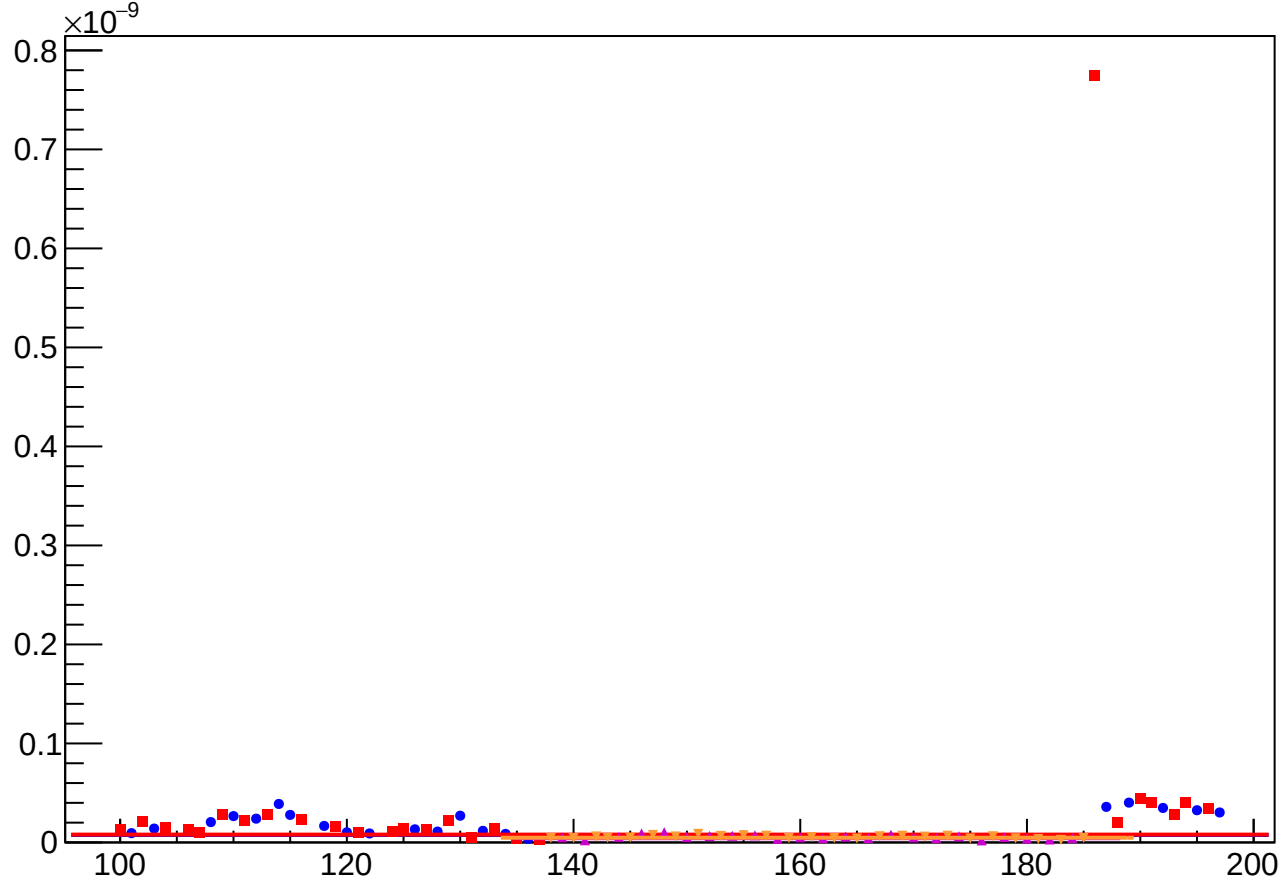
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.9/45

All: -0.000+/-0.000 χ^2/NDF: 69.9/94

- sign 0.000+/-0.000 χ^2/NDF: 37.0/48

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6173944.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7874532.7/25

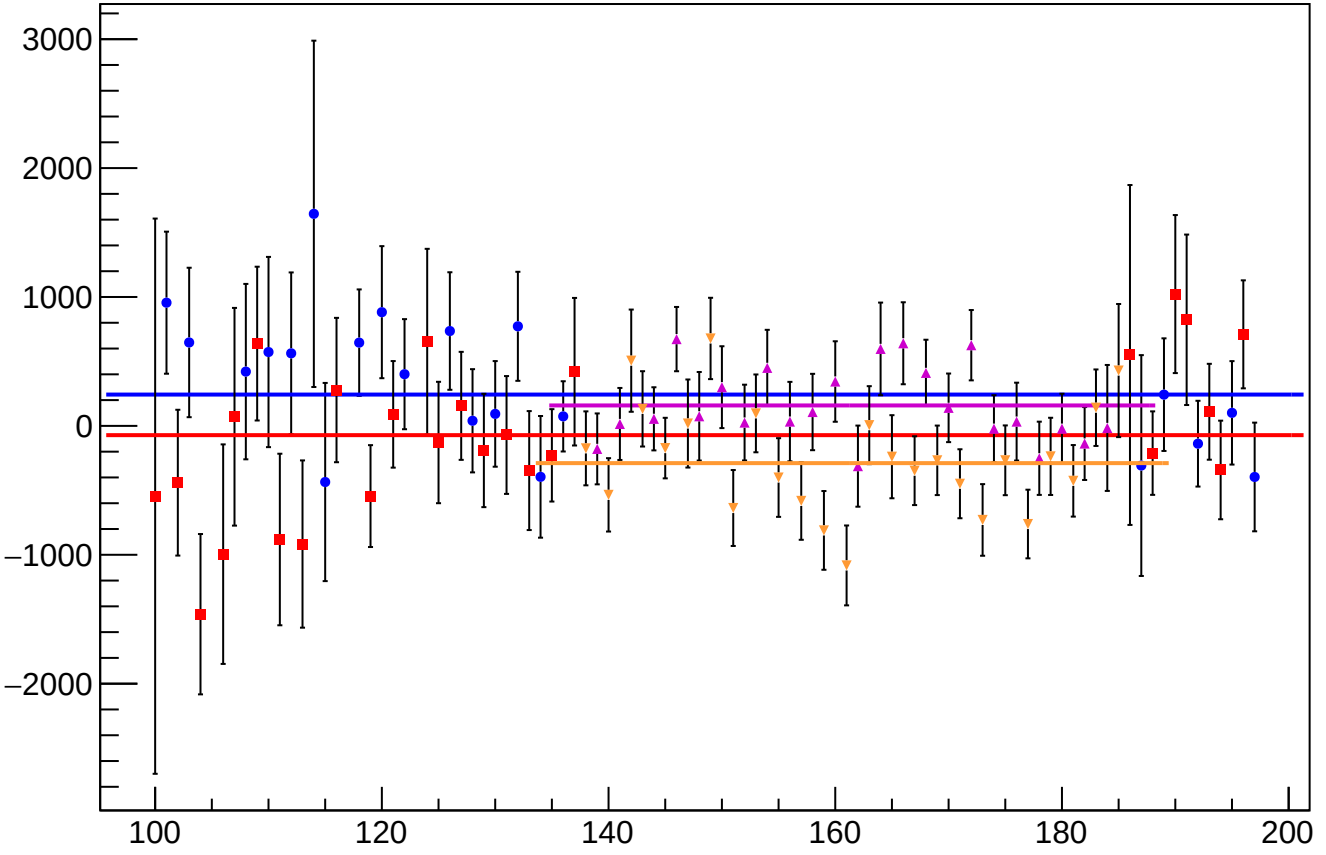
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9227256.1/45

All: 0.000+/-0.000 χ^2/NDF: 22335239.3/94

- sign 0.000+/-0.000 χ^2/NDF: 12993812.3/48

reg_asym_sam2_mean vs Slug



Right In: 242.971+/-100.891 χ^2/NDF: 16.7/20

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -71.869+/-98.035 χ^2/NDF: 25.6/25

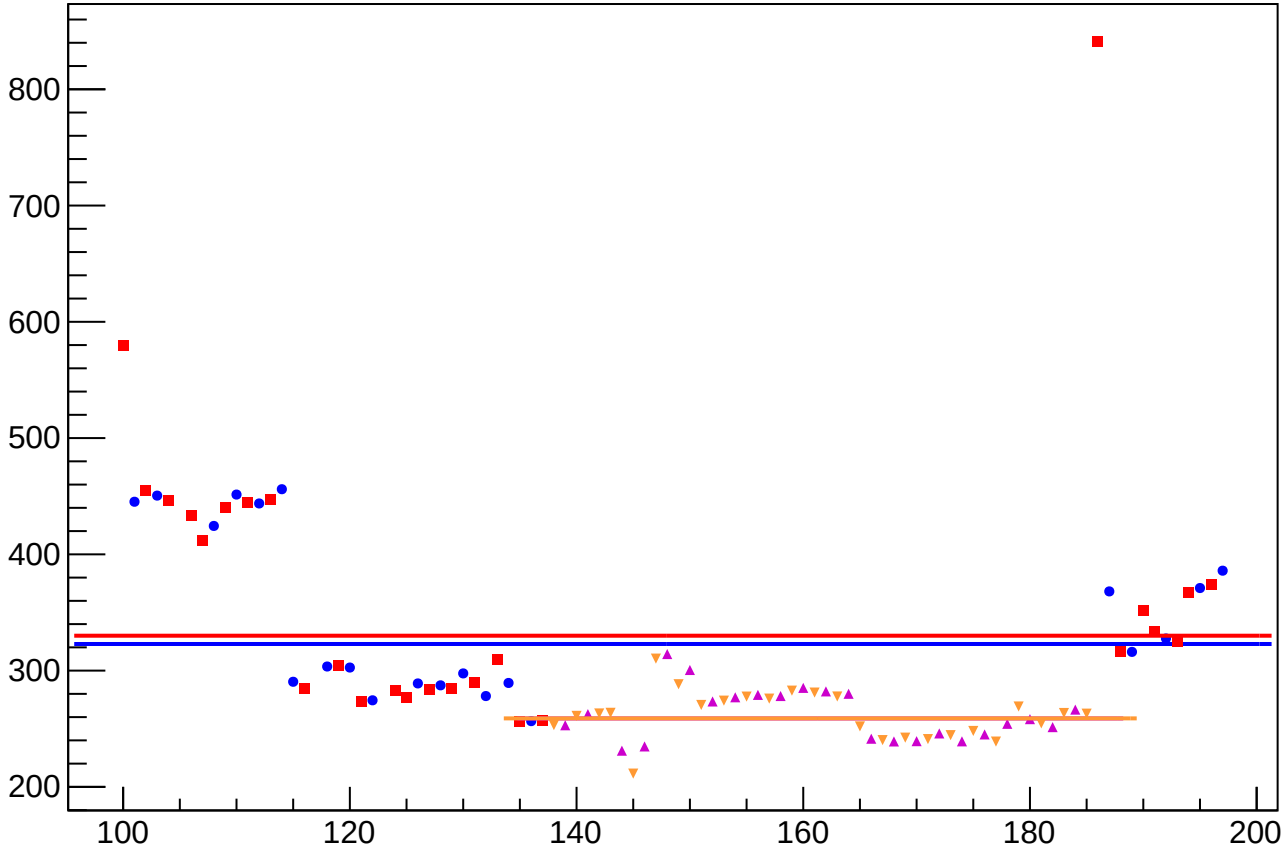
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -153.260+/-50.953 χ^2/NDF: 79.8/45

All: -30.865+/-36.260 χ^2/NDF: 143.6/94

- sign 94.721+/-51.613 χ^2/NDF: 52.1/48

reg_asym_sam2_rms vs Slug



Right In: 322.896+/-0.071 χ^2/NDF: 696965.1/20

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.019+/-0.069 χ^2/NDF: 1060039.6/25

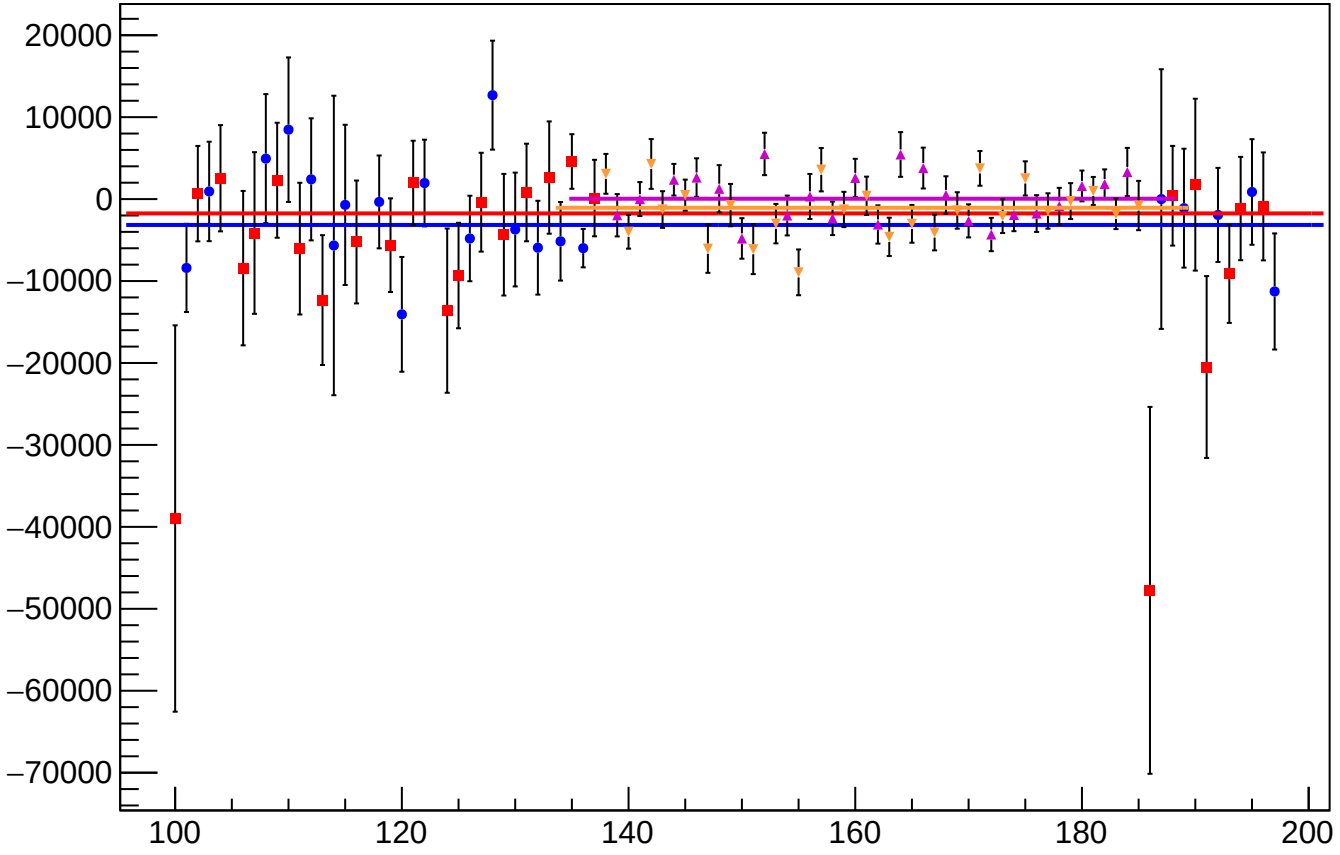
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.232+/-0.036 χ^2/NDF: 1544937.0/45

All: 276.880+/-0.026 χ^2/NDF: 3616200.5/94

- sign 278.571+/-0.036 χ^2/NDF: 2067022.6/48

asym_sam2_reg_correction_mean vs Slug



Right In: -3154.891+/-1247.153 χ^2/NDF: 18.0/20

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1746.456+/-1288.263 χ^2/NDF: 23.5/25

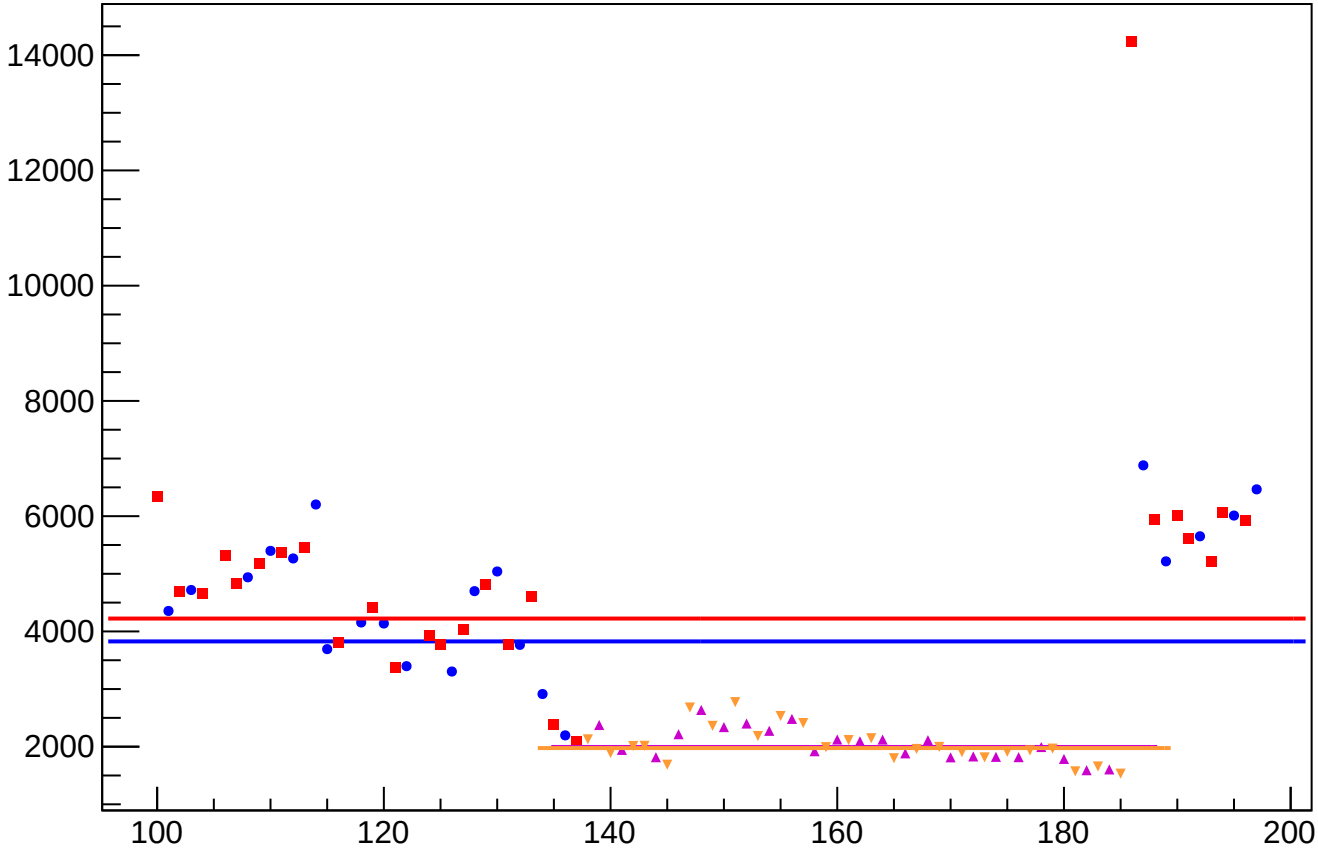
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1305.068+/-427.154 χ^2/NDF: 62.0/45

All: -755.403+/-307.196 χ^2/NDF: 124.7/94

- sign -166.564+/-442.114 χ^2/NDF: 59.4/48

asym_sam2_reg_correction_rms vs Slug



Right In: 3826.752+/-0.882 χ^2/NDF: 2311497.1/20

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4223.385+/-0.911 χ^2/NDF: 2343735.4/25

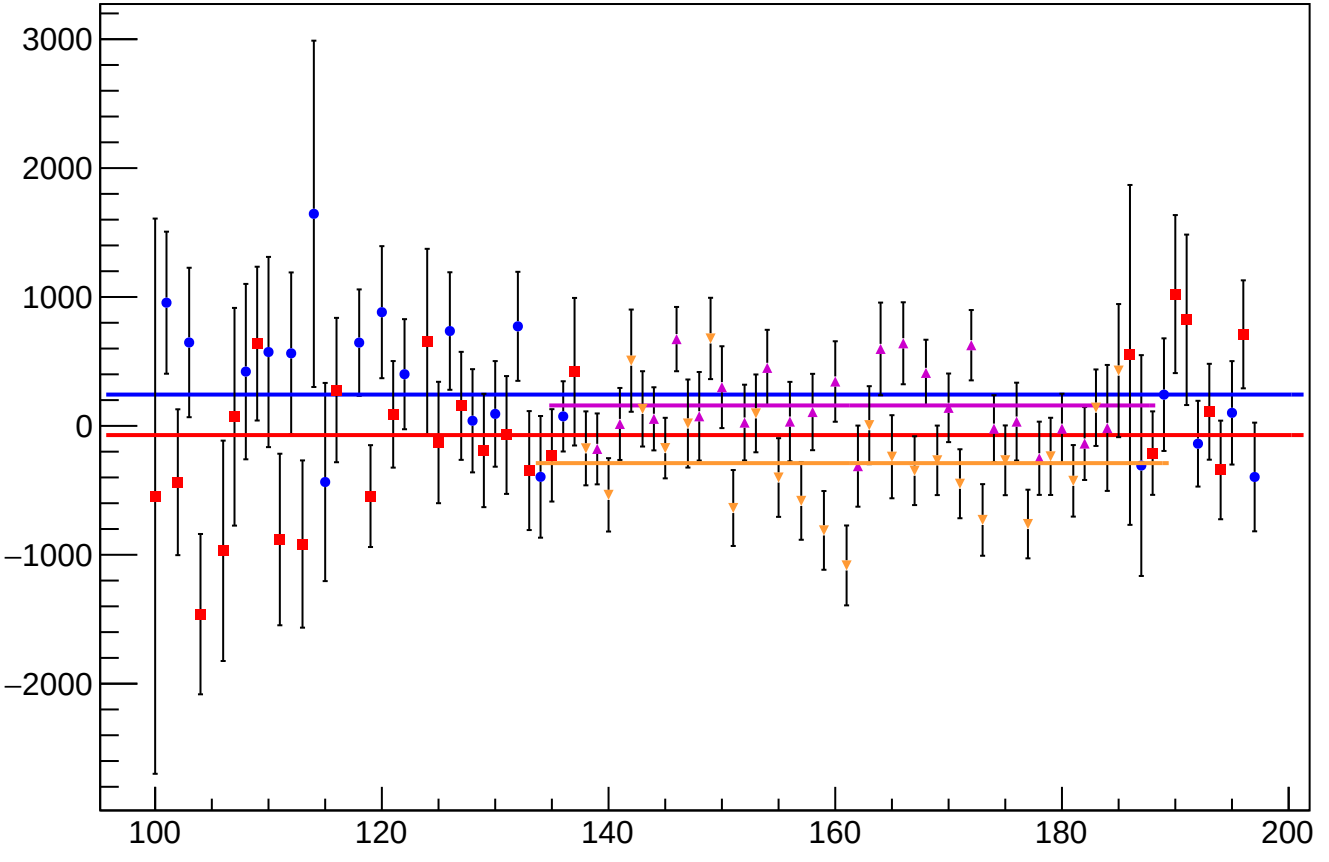
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2193.080+/-0.302 χ^2/NDF: 6962692.2/45

All: 2224.056+/-0.217 χ^2/NDF: 15208691.5/9

- sign 2257.240+/-0.313 χ^2/NDF: 8224214.7/48

cor_asym_sam2_mean vs Slug



Right In: 242.953+/-100.891 χ^2/NDF: 16.7/20

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -71.304+/-98.041 χ^2/NDF: 25.5/25

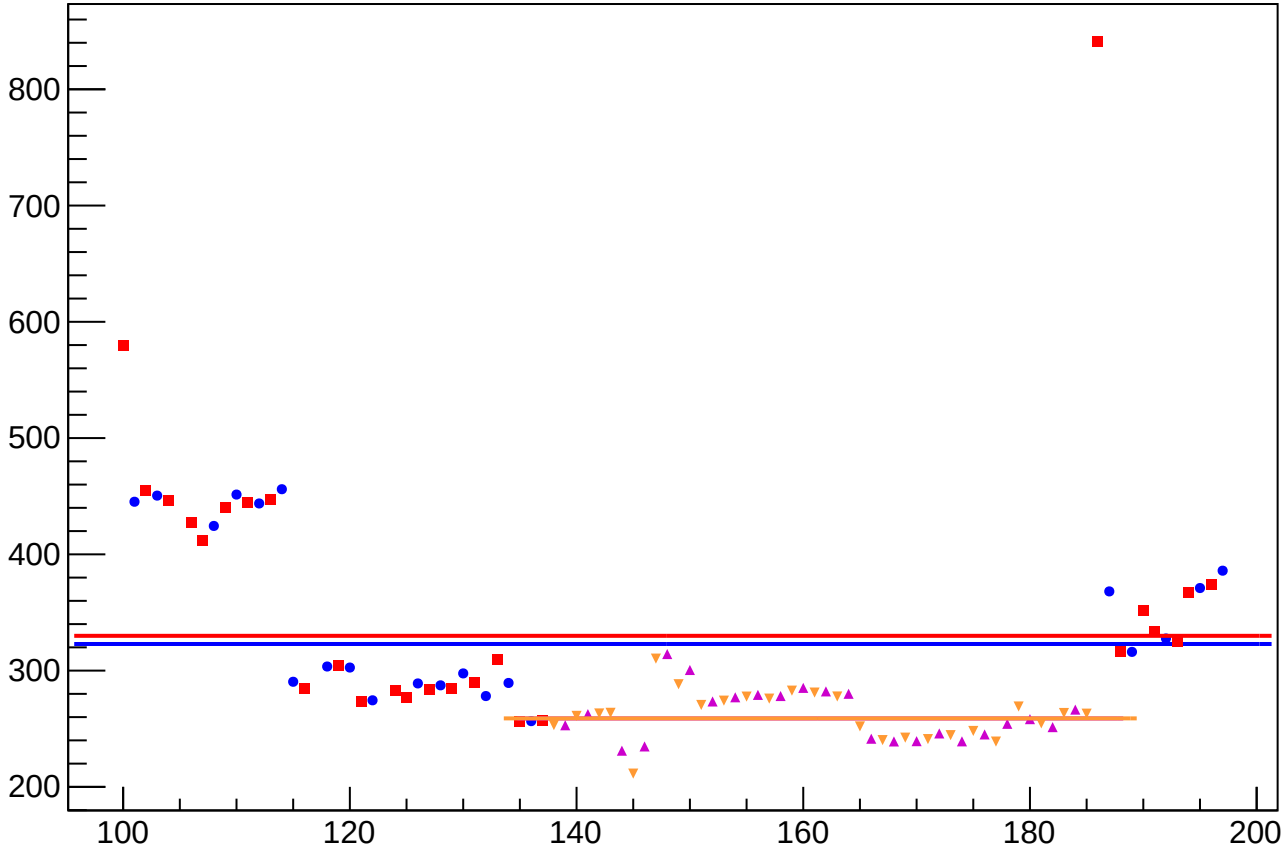
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -153.267+/-50.953 χ^2/NDF: 79.8/45

All: -30.787+/-36.261 χ^2/NDF: 143.5/94

- sign 94.891+/-51.614 χ^2/NDF: 52.0/48

cor_asym_sam2_rms vs Slug



Right In: 322.896+/-0.071 χ^2/NDF: 696966.5/20

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 329.922+/-0.069 χ^2/NDF: 1056291.4/25

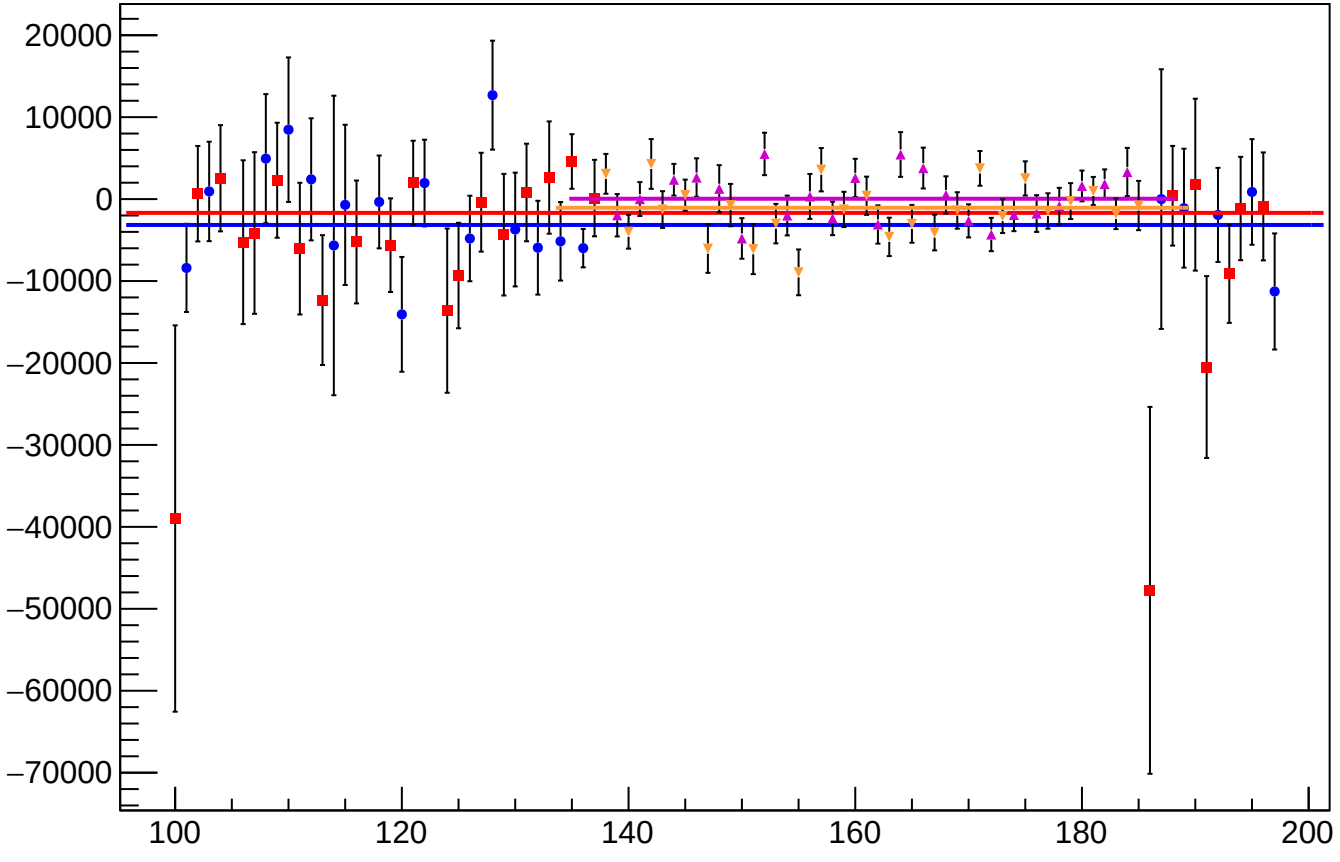
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.232+/-0.036 χ^2/NDF: 1544938.6/45

All: 276.866+/-0.026 χ^2/NDF: 3610231.5/94

- sign 278.543+/-0.036 χ^2/NDF: 2061124.8/48

asym_sam2_cor_correction_mean vs Slug



Right In: -3154.839+/-1247.155 χ^2/NDF: 18.0/20

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1680.235+/-1289.641 χ^2/NDF: 23.1/25

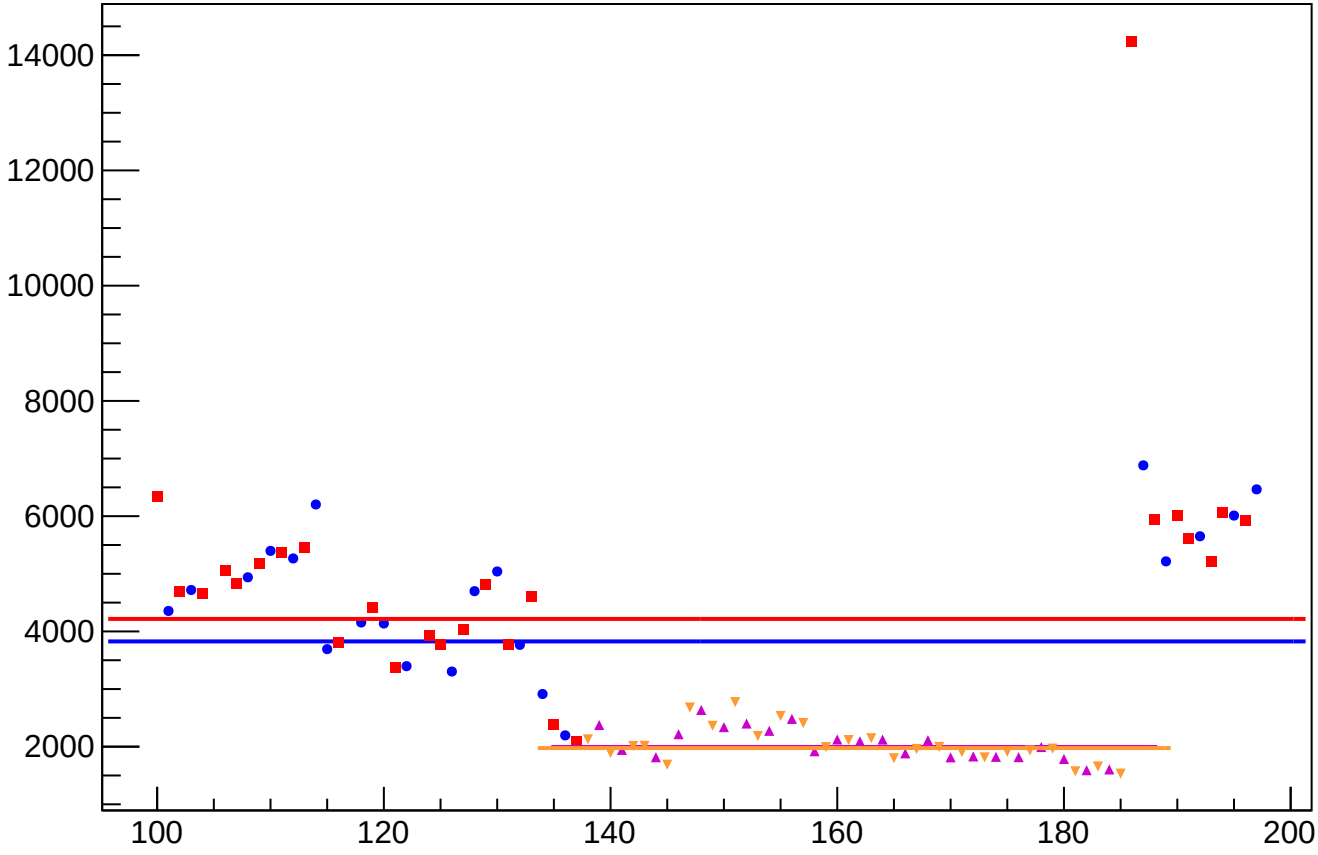
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1305.064+/-427.154 χ^2/NDF: 62.0/45

All: -751.524+/-307.215 χ^2/NDF: 124.3/94

- sign -158.385+/-442.169 χ^2/NDF: 58.8/48

asym_sam2_cor_correction_rms vs Slug



Right In: 3826.757+/-0.882 χ^2/NDF: 2311508.7/20

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4217.120+/-0.912 χ^2/NDF: 2331346.7/25

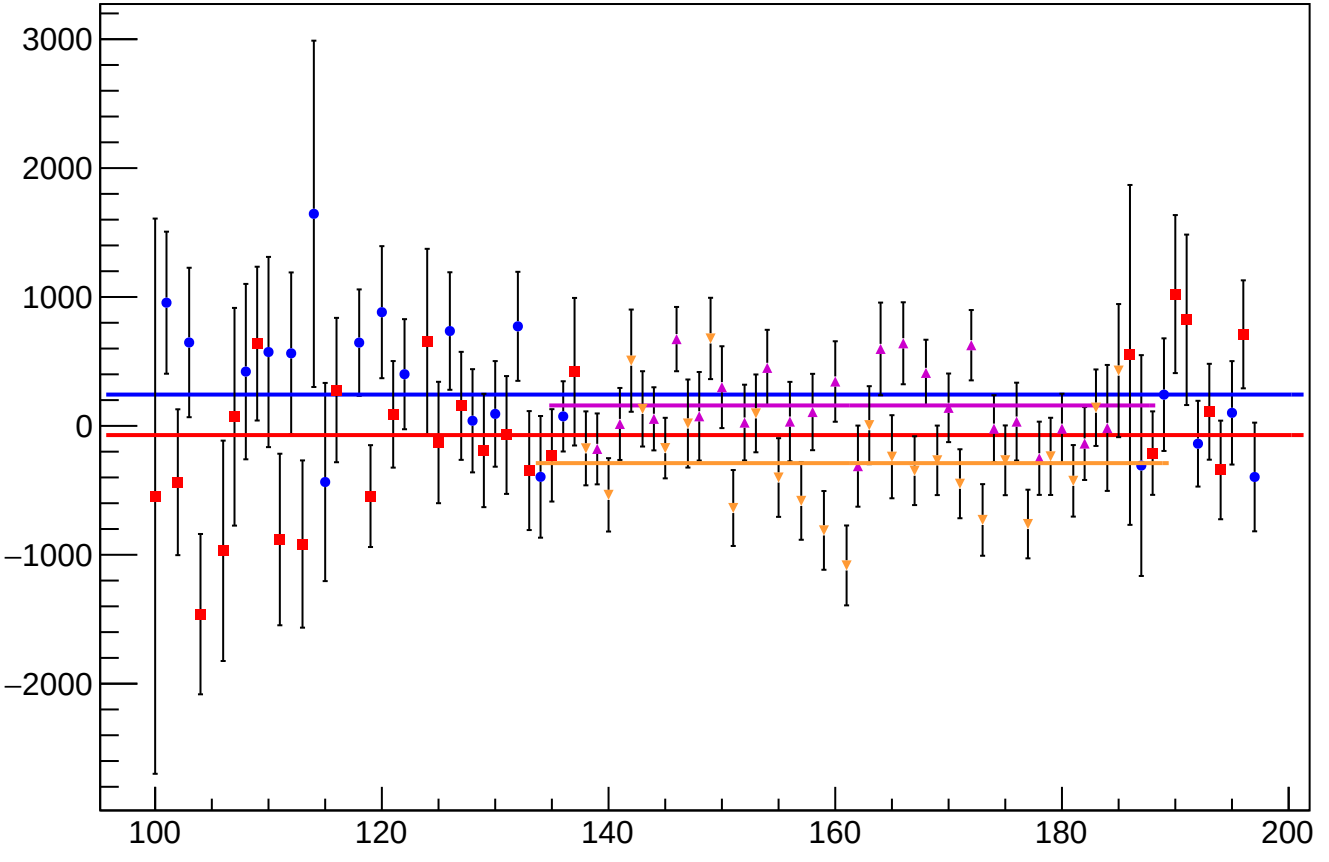
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2193.080+/-0.302 χ^2/NDF: 6962712.4/45

All: 2223.458+/-0.217 χ^2/NDF: 15155944.5/9

- sign 2256.009+/-0.313 χ^2/NDF: 8172278.2/48

eigen_cor_asym_sam2_mean vs Slug



Right In: 242.953+/-100.891 χ^2/NDF: 16.7/20

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -71.304+/-98.041 χ^2/NDF: 25.5/25

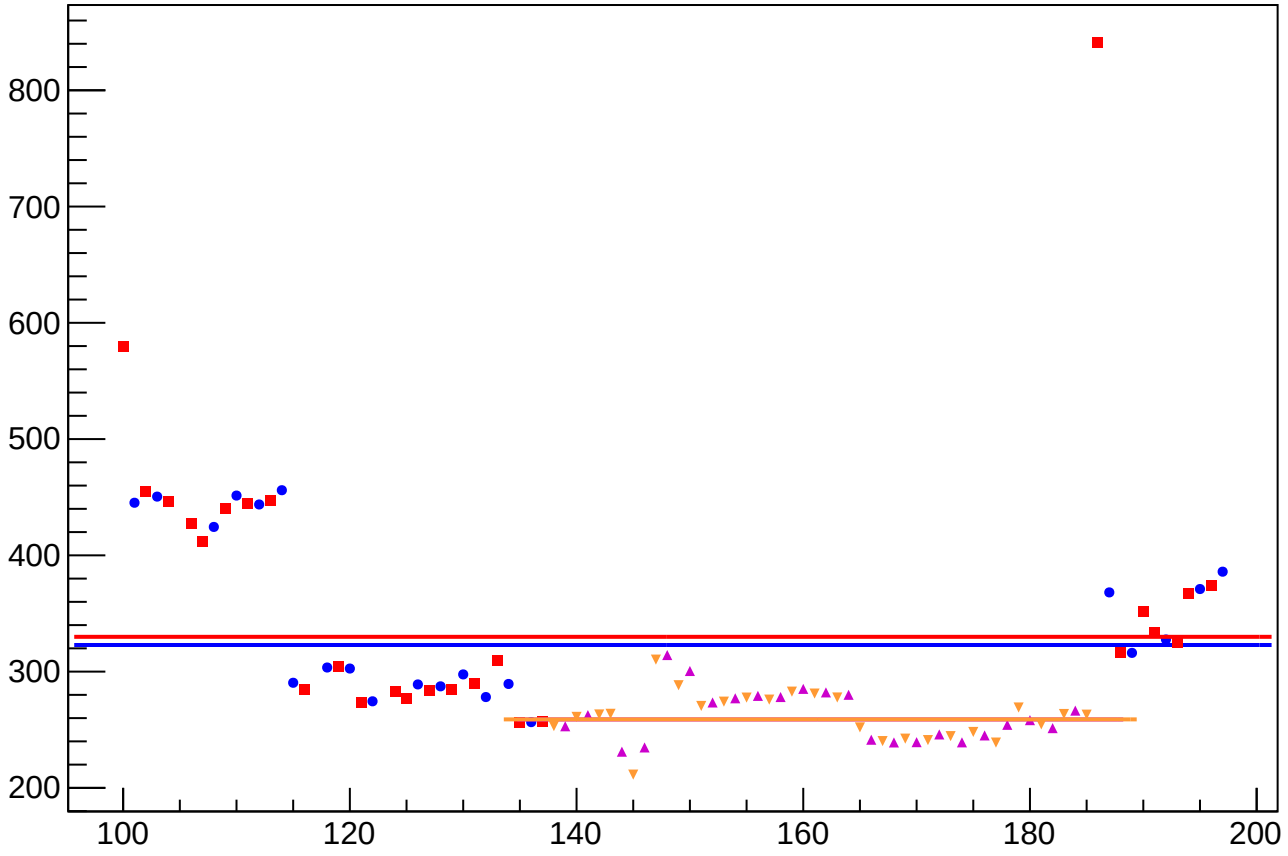
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -153.267+/-50.953 χ^2/NDF: 79.8/45

All: -30.787+/-36.261 χ^2/NDF: 143.5/94

- sign 94.891+/-51.614 χ^2/NDF: 52.0/48

eigen_cor_asym_sam2_rms vs Slug



Right In: 322.896+/-0.071 χ^2/NDF: 696966.5/20

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 329.922+/-0.069 χ^2/NDF: 1056291.4/25

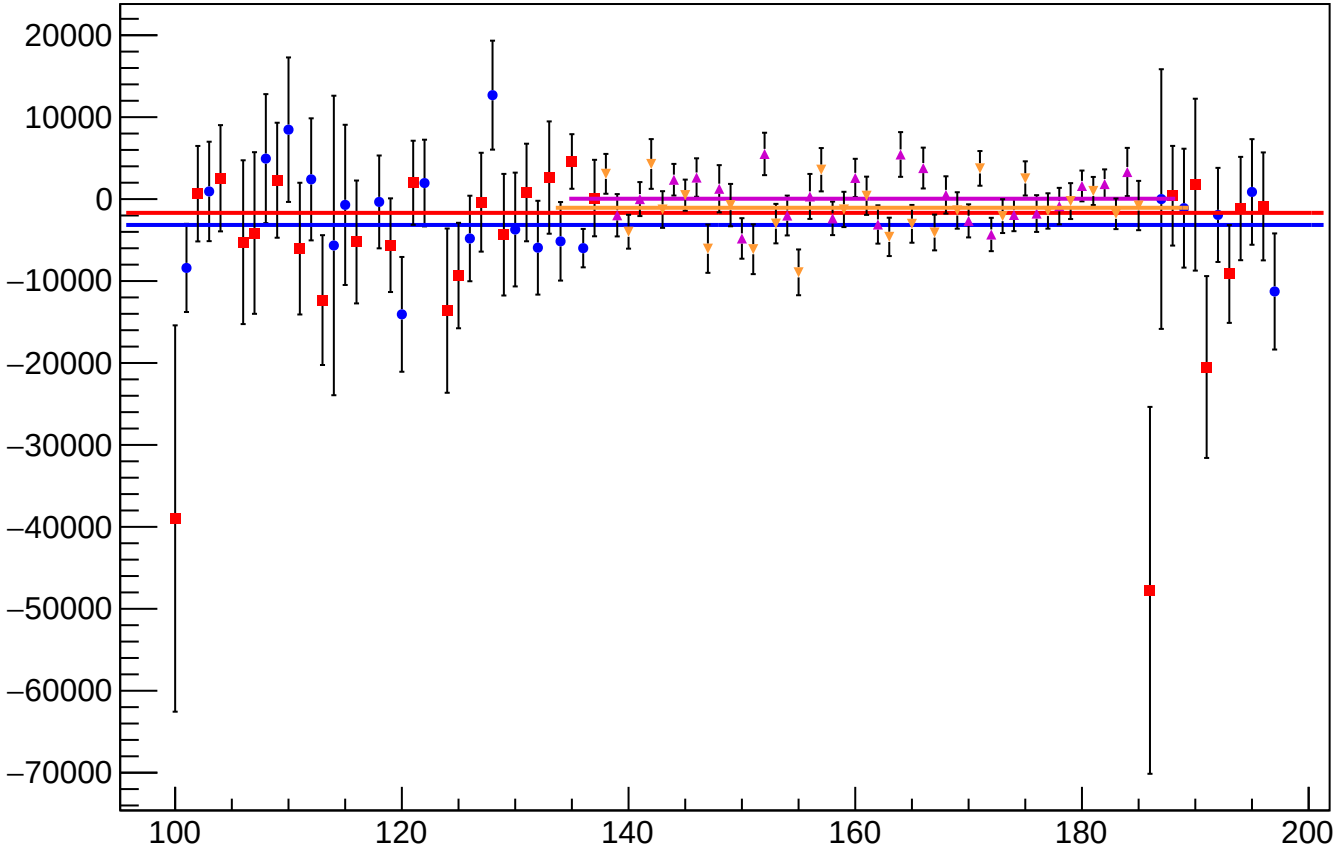
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.232+/-0.036 χ^2/NDF: 1544938.6/45

All: 276.866+/-0.026 χ^2/NDF: 3610231.5/94

- sign 278.543+/-0.036 χ^2/NDF: 2061124.8/48

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3154.839+/-1247.155 χ^2/NDF: 18.0/20

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1680.235+/-1289.641 χ^2/NDF: 23.1/25

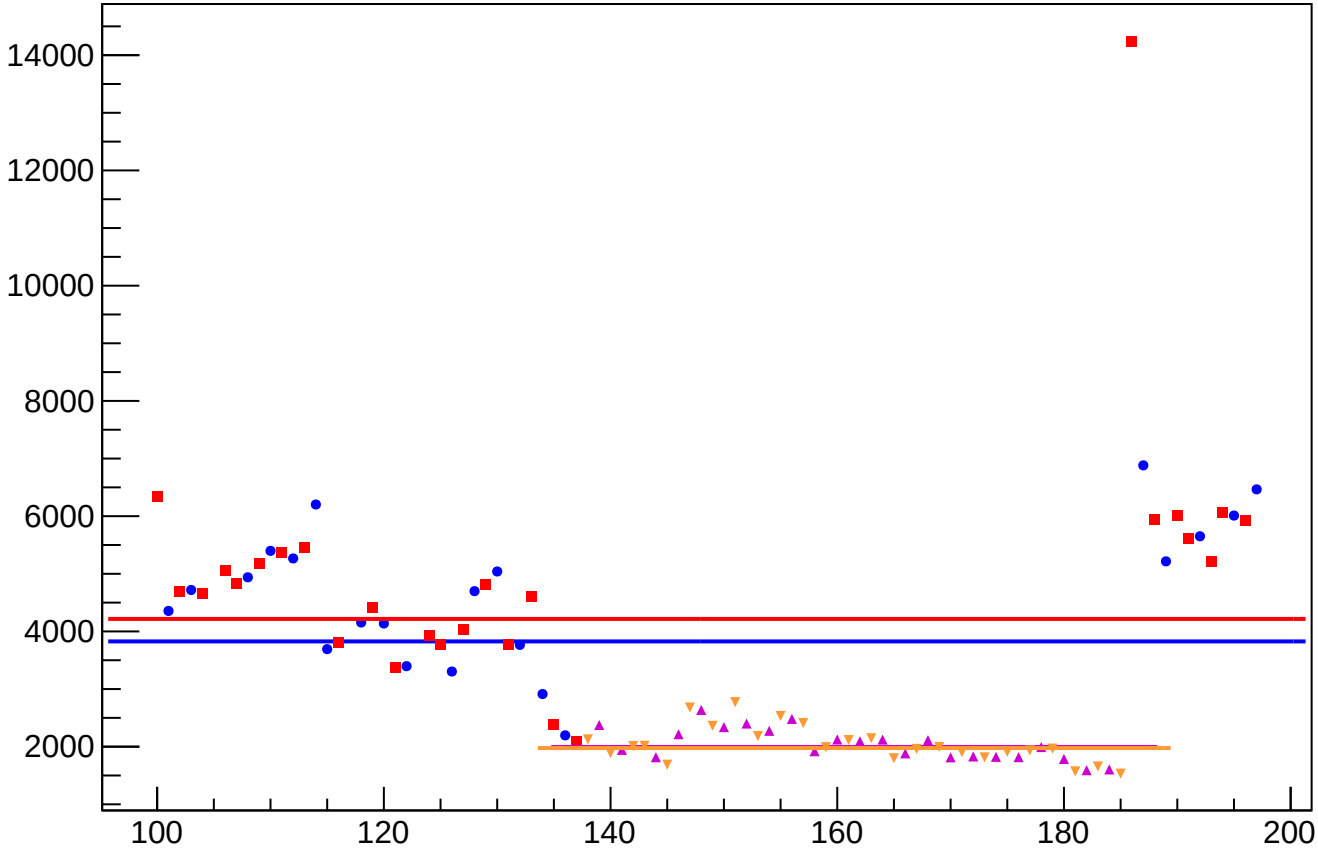
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1305.064+/-427.154 χ^2/NDF: 62.0/45

All: -751.524+/-307.215 χ^2/NDF: 124.3/94

- sign -158.385+/-442.169 χ^2/NDF: 58.8/48

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3826.757+/-0.882 χ^2/NDF: 2311508.7/20

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4217.120+/-0.912 χ^2/NDF: 2331346.7/25

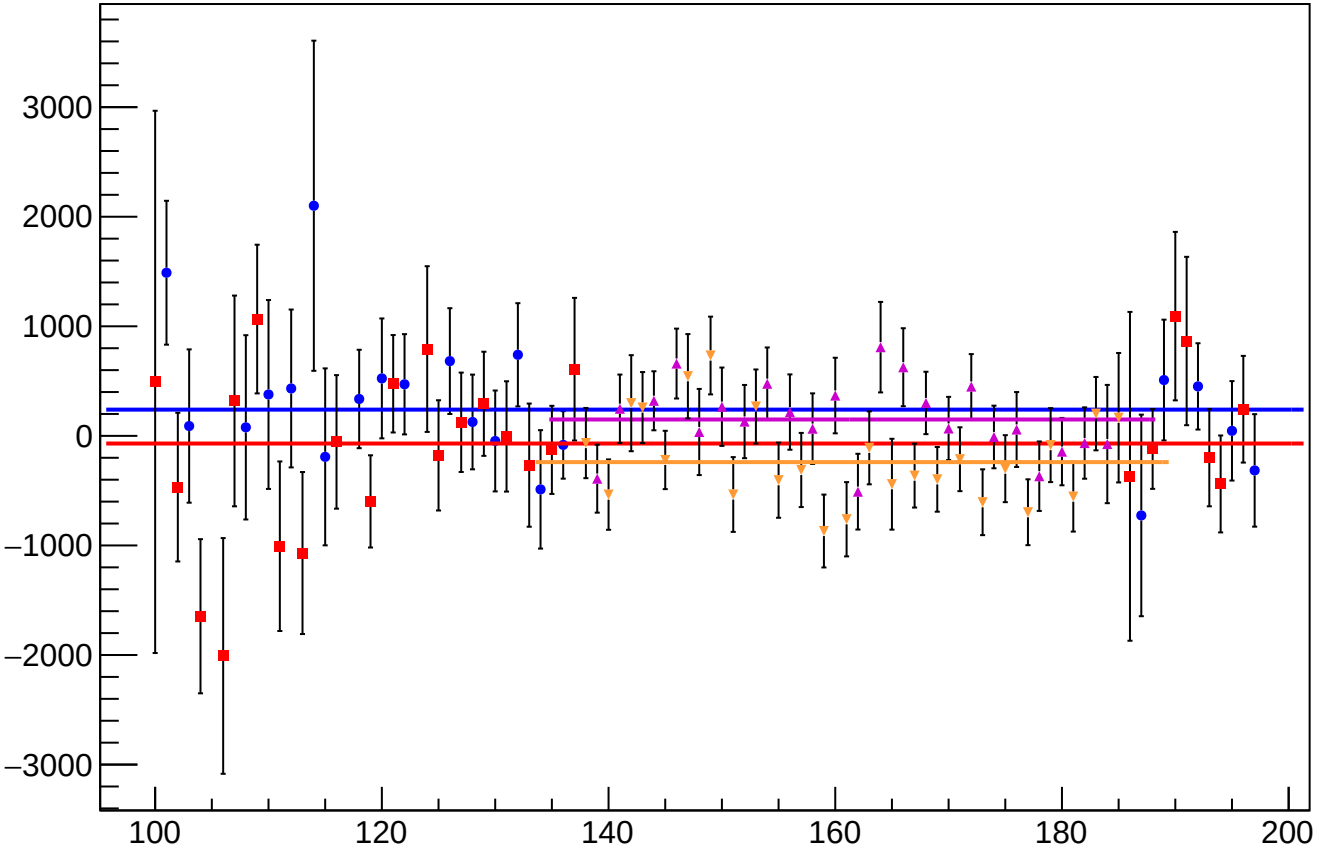
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2193.080+/-0.302 χ^2/NDF: 6962712.4/45

All: 2223.458+/-0.217 χ^2/NDF: 15155944.5/9

- sign 2256.009+/-0.313 χ^2/NDF: 8172278.2/48

dit_asym_sam2_mean vs Slug



Right In: 239.617+/-114.332 χ^2/NDF: 14.5/20

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -69.838+/-110.565 χ^2/NDF: 26.4/25

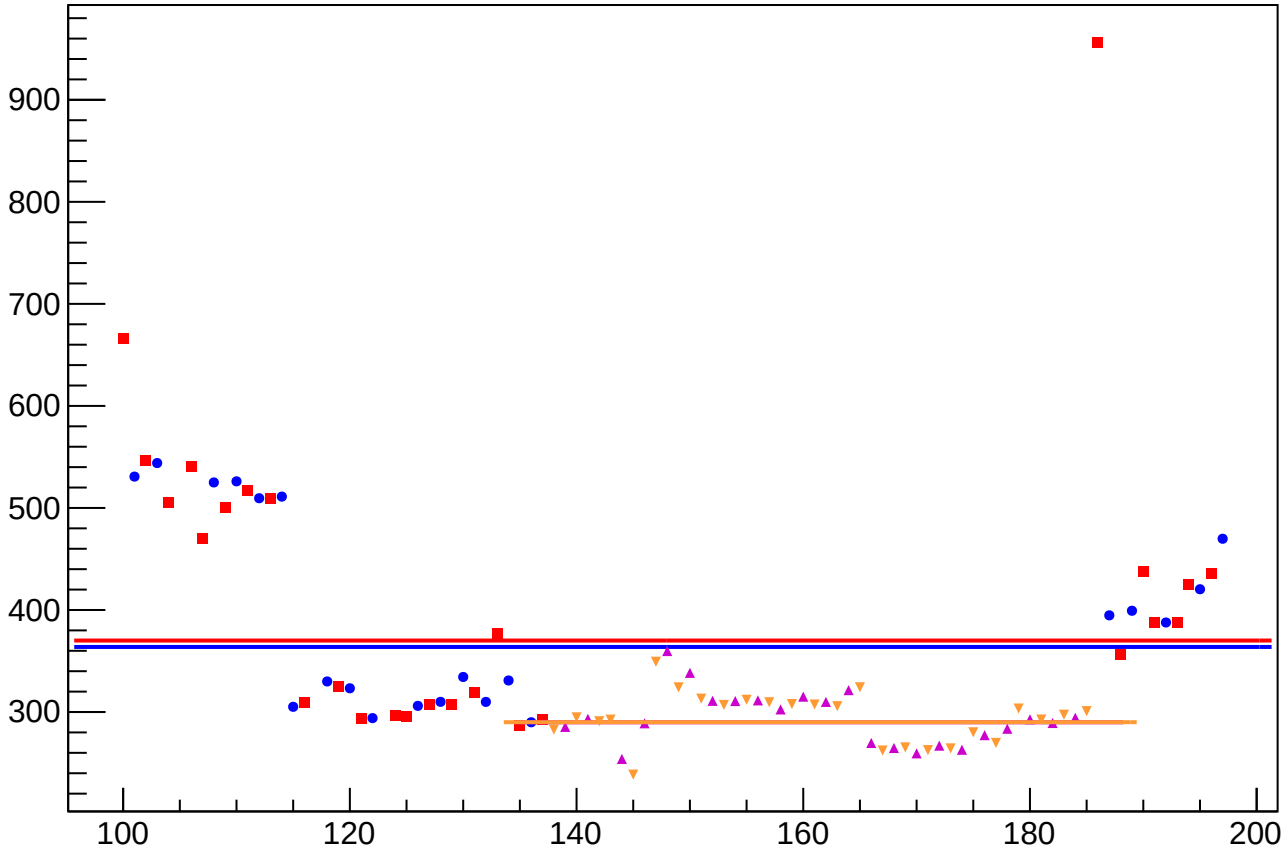
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -119.329+/-57.268 χ^2/NDF: 61.7/45

All: -16.469+/-40.758 χ^2/NDF: 119.2/94

- sign 89.111+/-58.021 χ^2/NDF: 50.9/48

dit_asym_sam2_rms vs Slug



Right In: 363.763+/-0.081 χ^2/NDF: 937311.3/20

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 370.065+/-0.078 χ^2/NDF: 1292941.7/25

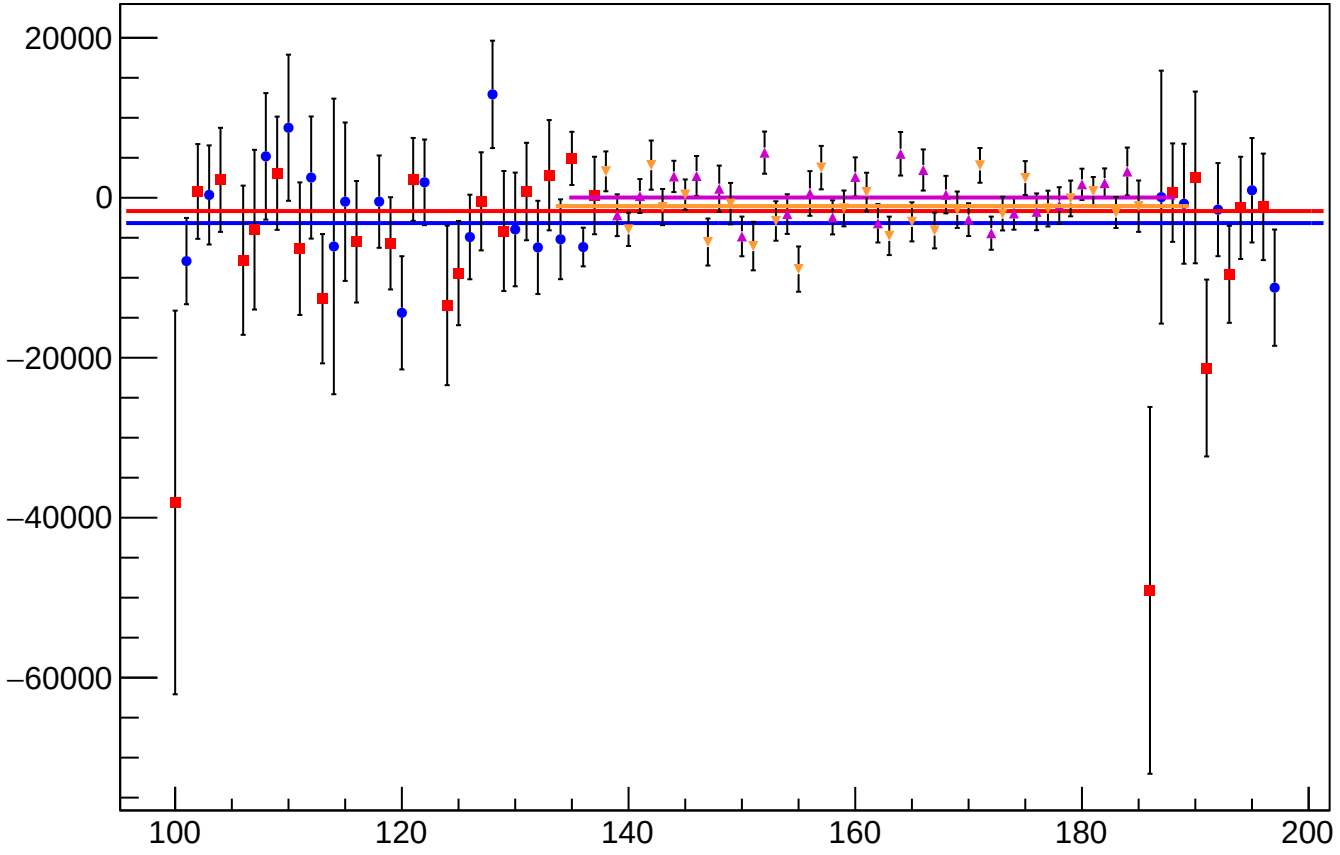
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 308.524+/-0.040 χ^2/NDF: 1841190.9/45

All: 310.242+/-0.029 χ^2/NDF: 4168515.2/94

- sign 312.005+/-0.041 χ^2/NDF: 2323677.2/48

asym_sam2_dit_correction_mean vs Slug



Right In: -3164.920+/-1274.491 χ^2/NDF: 17.9/20

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1661.803+/-1304.055 χ^2/NDF: 24.3/25

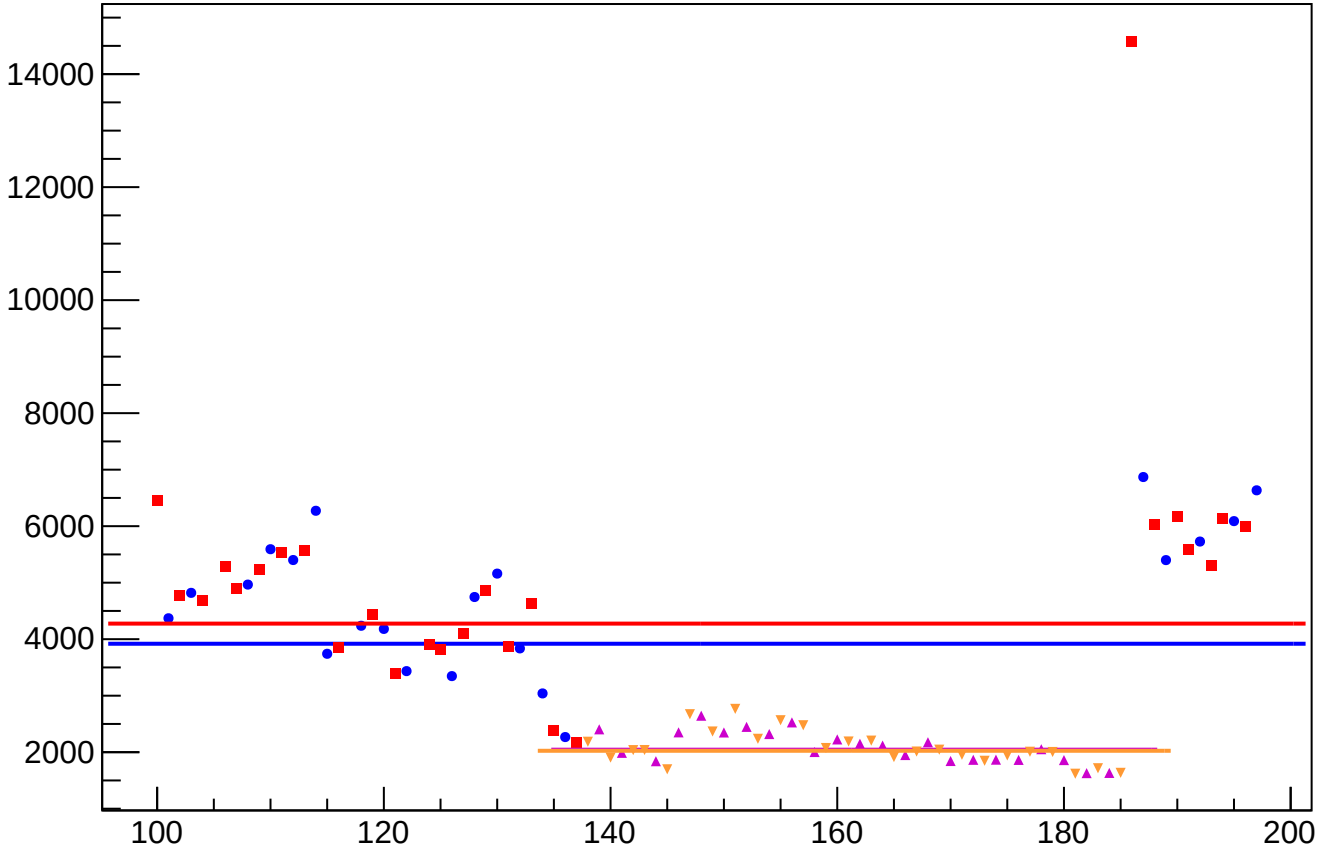
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1286.931+/-437.102 χ^2/NDF: 60.6/45

All: -749.142+/-314.326 χ^2/NDF: 123.7/94

- sign -173.209+/-452.337 χ^2/NDF: 59.9/48

asym_sam2_dit_correction_rms vs Slug



Right In: 3919.259+/-0.901 χ^2/NDF: 2243098.8/20

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4275.643+/-0.922 χ^2/NDF: 2350535.9/25

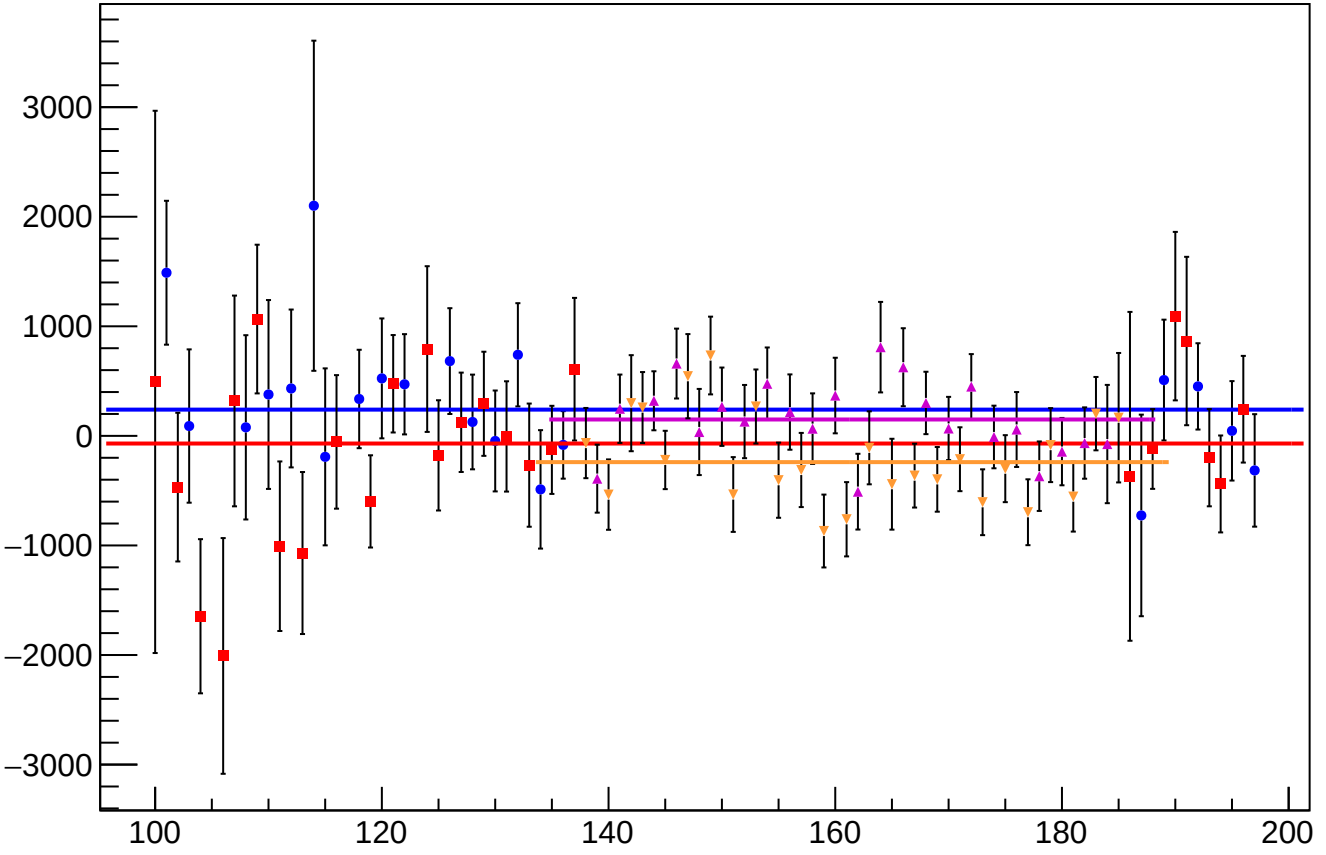
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2247.883+/-0.309 χ^2/NDF: 6842000.4/45

All: 2279.311+/-0.222 χ^2/NDF: 14948895.4/9

- sign 2312.968+/-0.320 χ^2/NDF: 8085482.9/48

eigen_dit_asym_sam2_mean vs Slug



Right In: 239.621+/-114.332 χ^2/NDF: 14.5/20

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -69.838+/-110.565 χ^2/NDF: 26.4/25

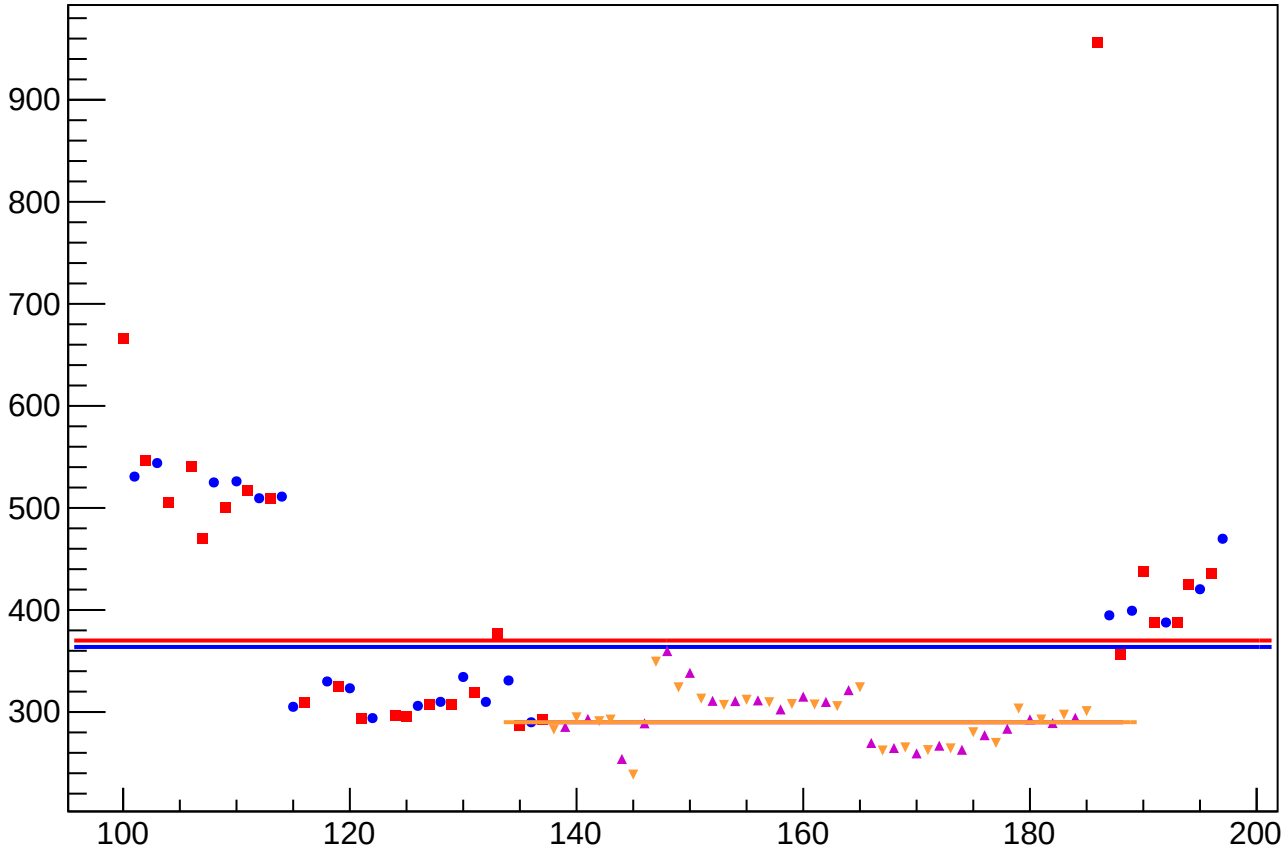
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -119.330+/-57.268 χ^2/NDF: 61.7/45

All: -16.469+/-40.758 χ^2/NDF: 119.2/94

- sign 89.112+/-58.021 χ^2/NDF: 50.9/48

eigen_dit_asym_sam2_rms vs Slug



Right In: 363.762+/-0.081 χ^2/NDF: 937311.4/20

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 370.064+/-0.078 χ^2/NDF: 1292932.4/25

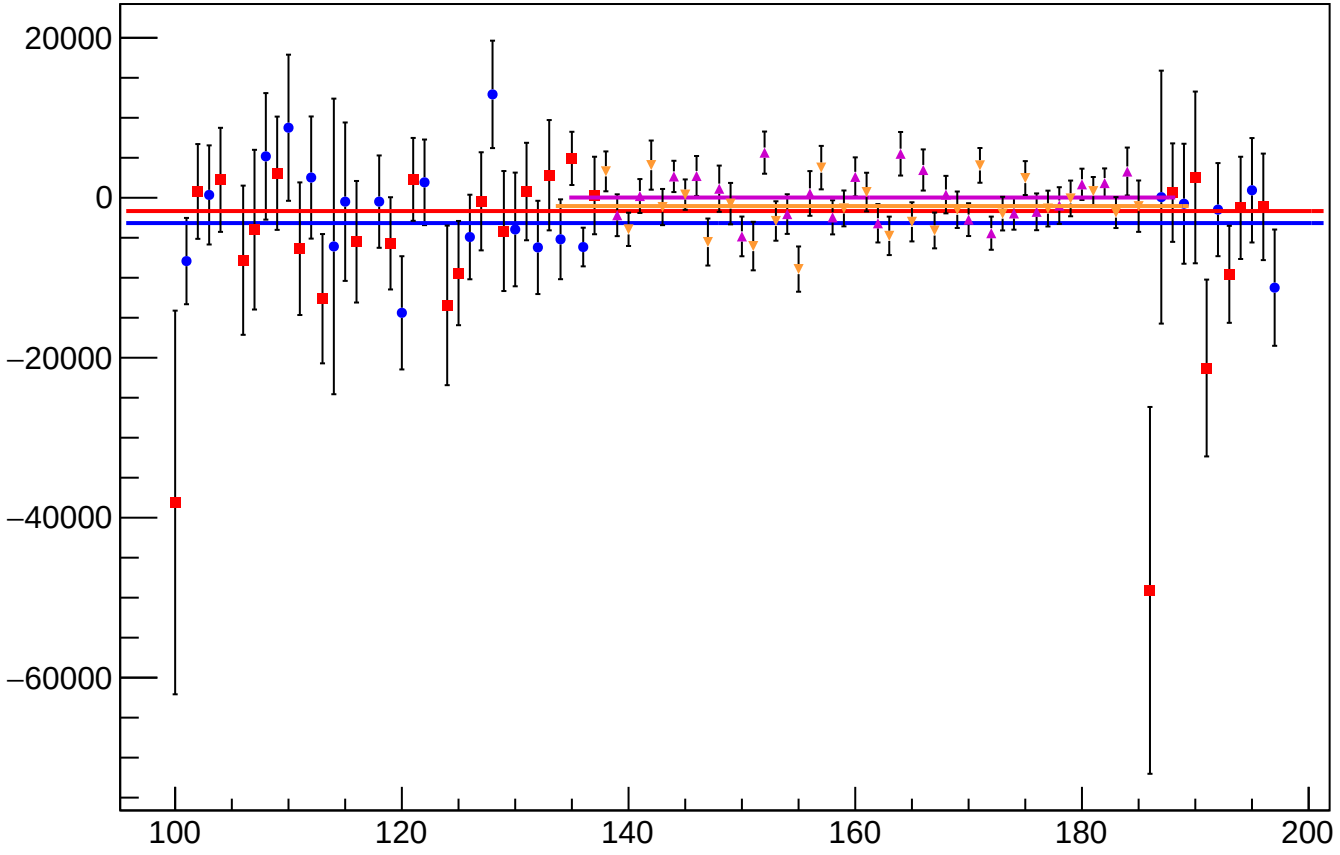
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 308.524+/-0.040 χ^2/NDF: 1841172.2/45

All: 310.242+/-0.029 χ^2/NDF: 4168475.7/94

- sign 312.005+/-0.041 χ^2/NDF: 2323656.3/48

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3164.913+/-1274.489 χ^2/NDF: 17.9/20

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1661.805+/-1304.054 χ^2/NDF: 24.3/25

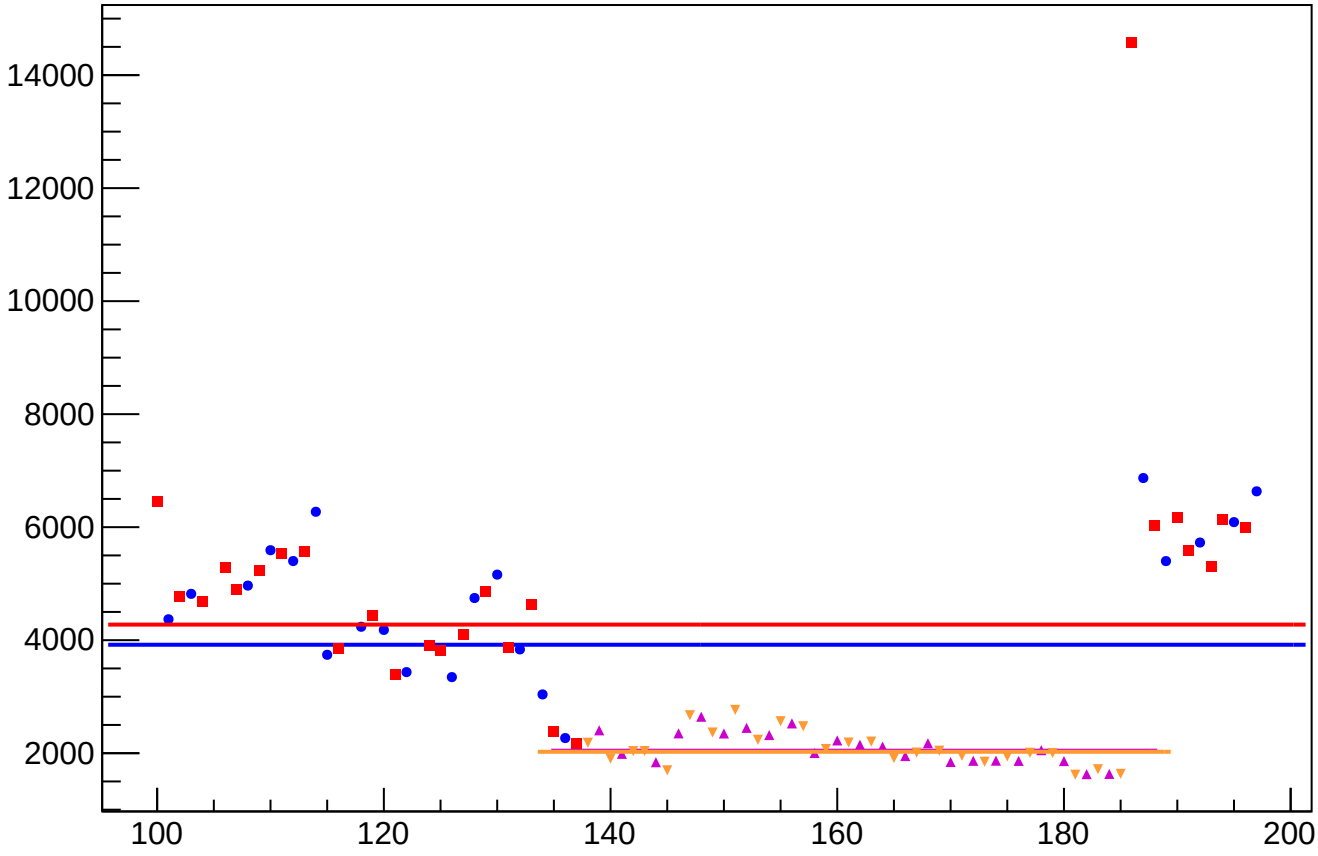
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1286.931+/-437.102 χ^2/NDF: 60.6/45

All: -749.143+/-314.326 χ^2/NDF: 123.7/94

- sign -173.211+/-452.337 χ^2/NDF: 59.9/48

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3919.256+/-0.901 χ^2/NDF: 2243088.1/20

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4275.639+/-0.922 χ^2/NDF: 2350530.3/25

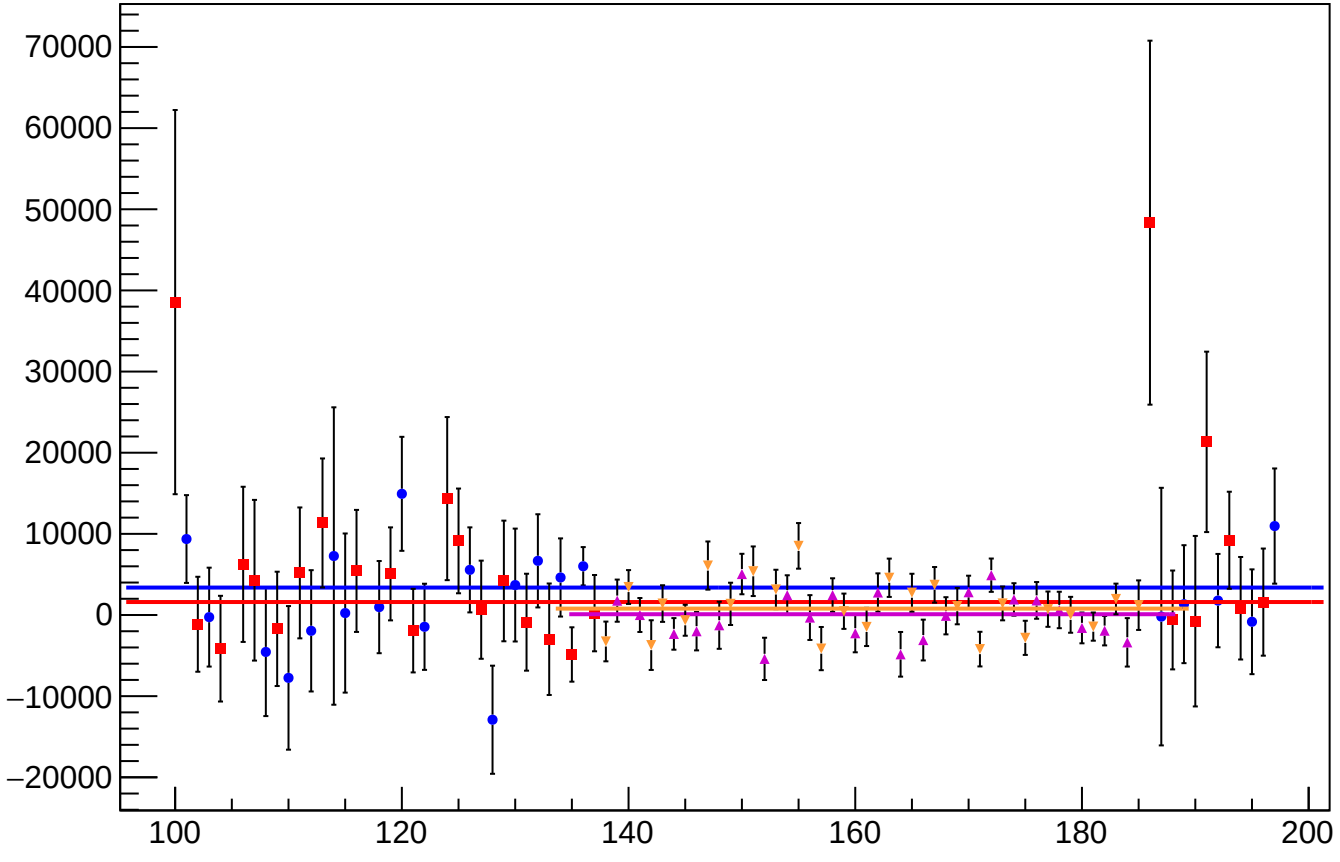
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2247.883+/-0.309 χ^2/NDF: 6841985.1/45

All: 2279.311+/-0.222 χ^2/NDF: 14948868.9/9

- sign 2312.968+/-0.320 χ^2/NDF: 8085472.0/48

asym_sam2_mean vs Slug



Right In: 3381.790+/-1252.613 χ^2/NDF: 18.1/20

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1599.860+/-1293.241 χ^2/NDF: 23.6/25

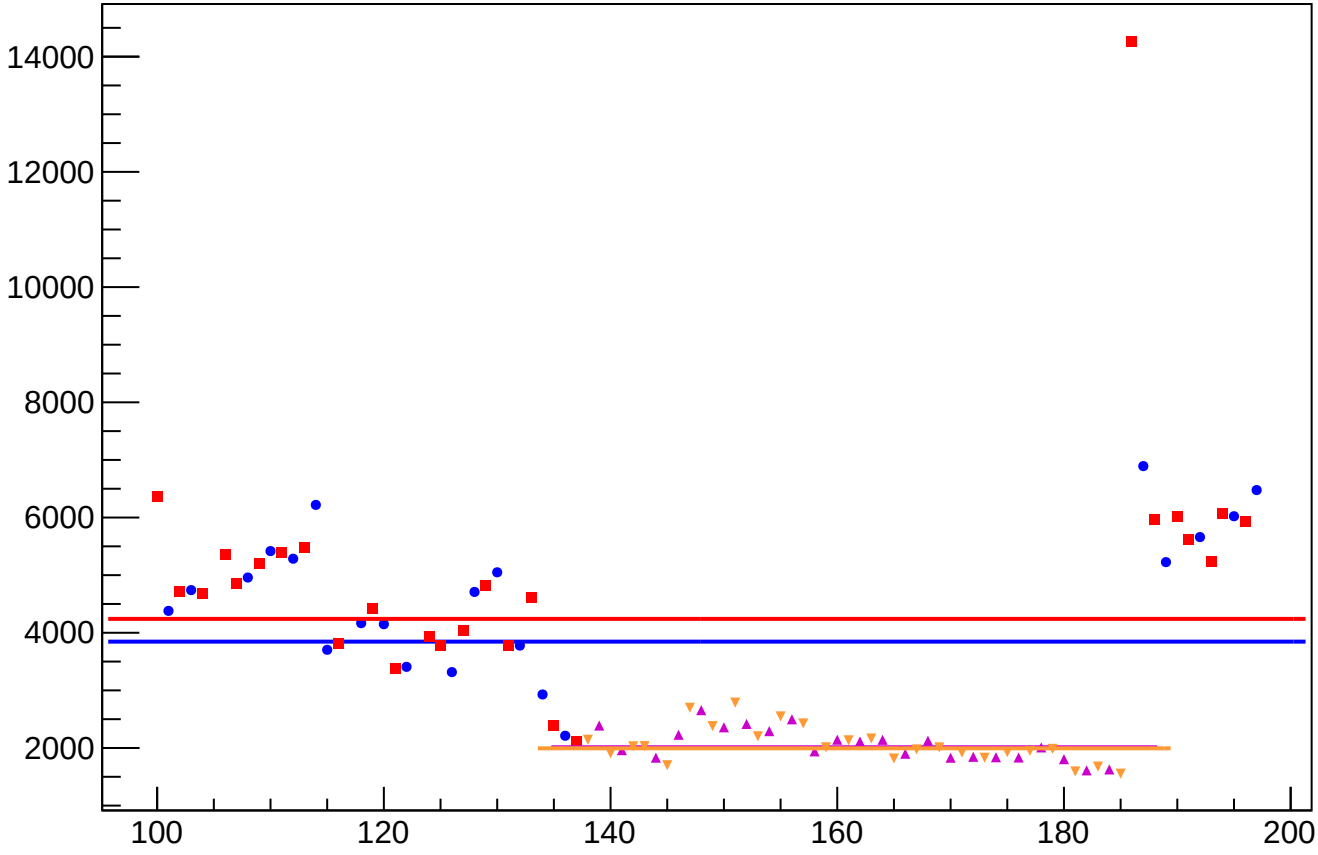
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1095.009+/-430.750 χ^2/NDF: 63.2/45

All: 699.157+/-309.747 χ^2/NDF: 122.6/94

- sign 275.290+/-445.731 χ^2/NDF: 57.6/48

asym_sam2_rms vs Slug



Right In: 3846.052+/-0.886 χ^2/NDF: 2288009.7/20

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

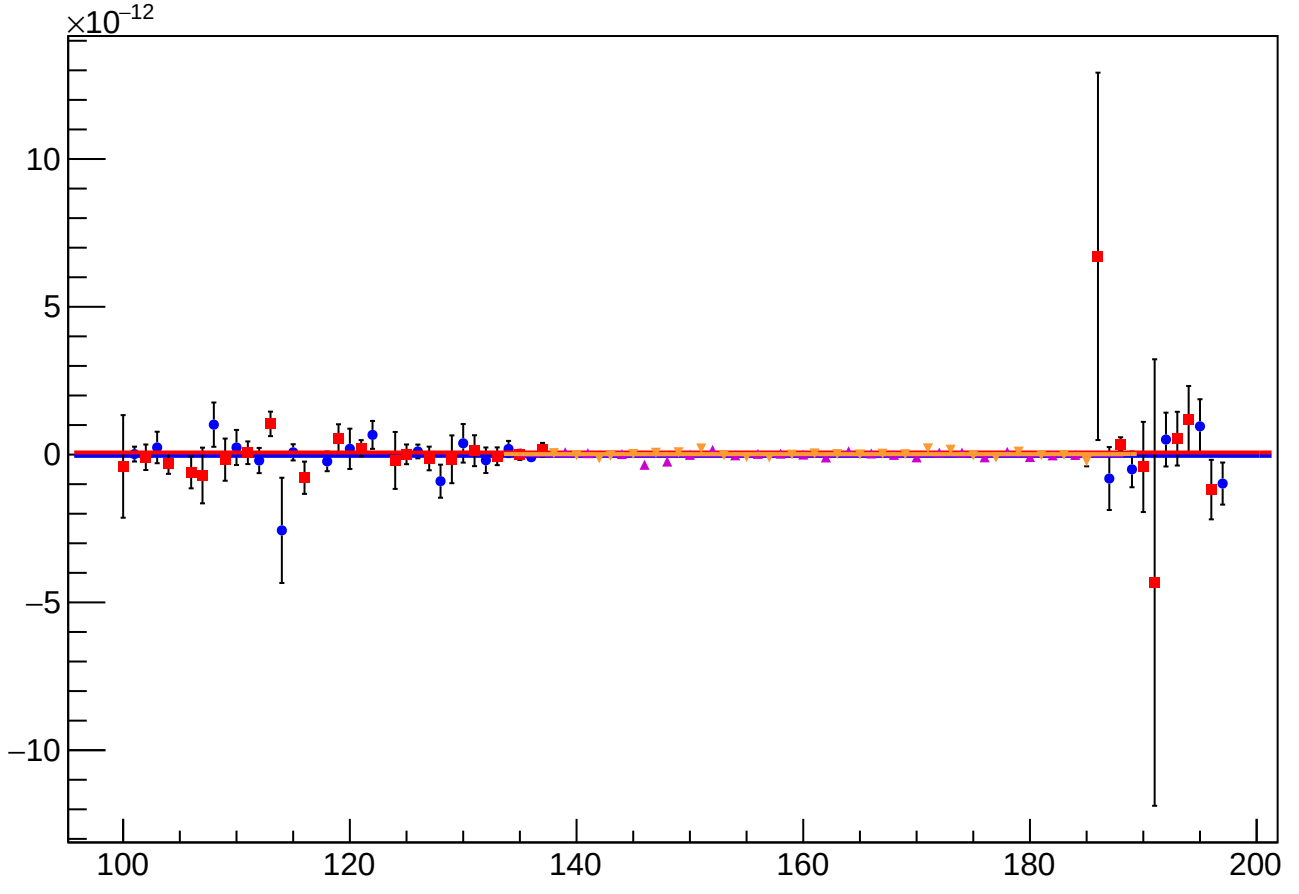
Right Out: 4240.856+/-0.914 χ^2/NDF: 2326404.1/25

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2213.229+/-0.305 χ^2/NDF: 6888676.6/45

All: 2244.208+/-0.219 χ^2/NDF: 15055479.5/9

- sign 2277.380+/-0.315 χ^2/NDF: 8145381.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

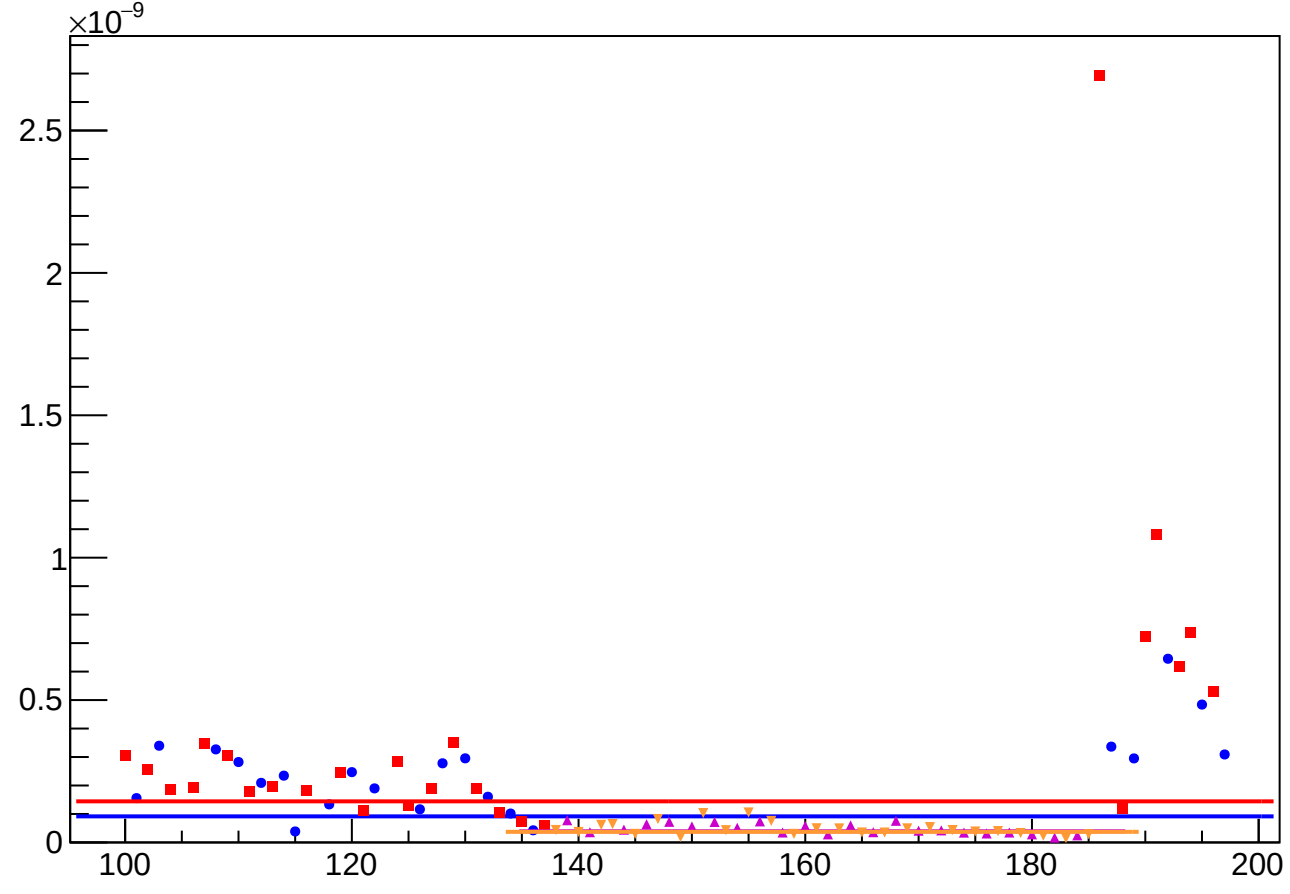
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/25

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.5/45

All: 0.000+/-0.000 χ^2/NDF: 91.2/94

- sign -0.000+/-0.000 χ^2/NDF: 51.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 4365271.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3481712.1/25

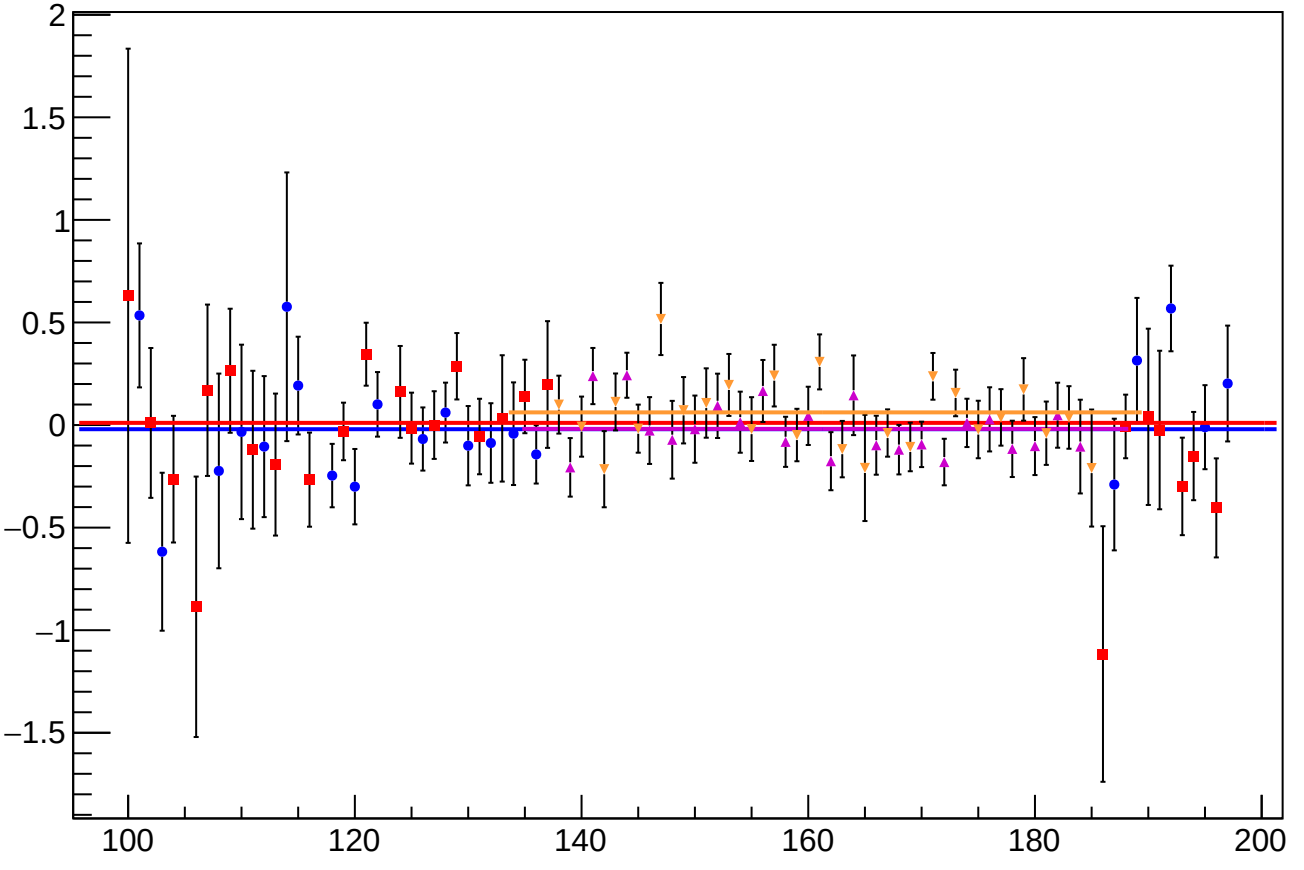
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8239609.8/45

All: 0.000+/-0.000 χ^2/NDF: 17088850.1/94

- sign 0.000+/-0.000 χ^2/NDF: 8815300.4/48

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.020+/-0.047 χ^2/NDF: 23.8/20

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.011+/-0.045 χ^2/NDF: 23.6/25

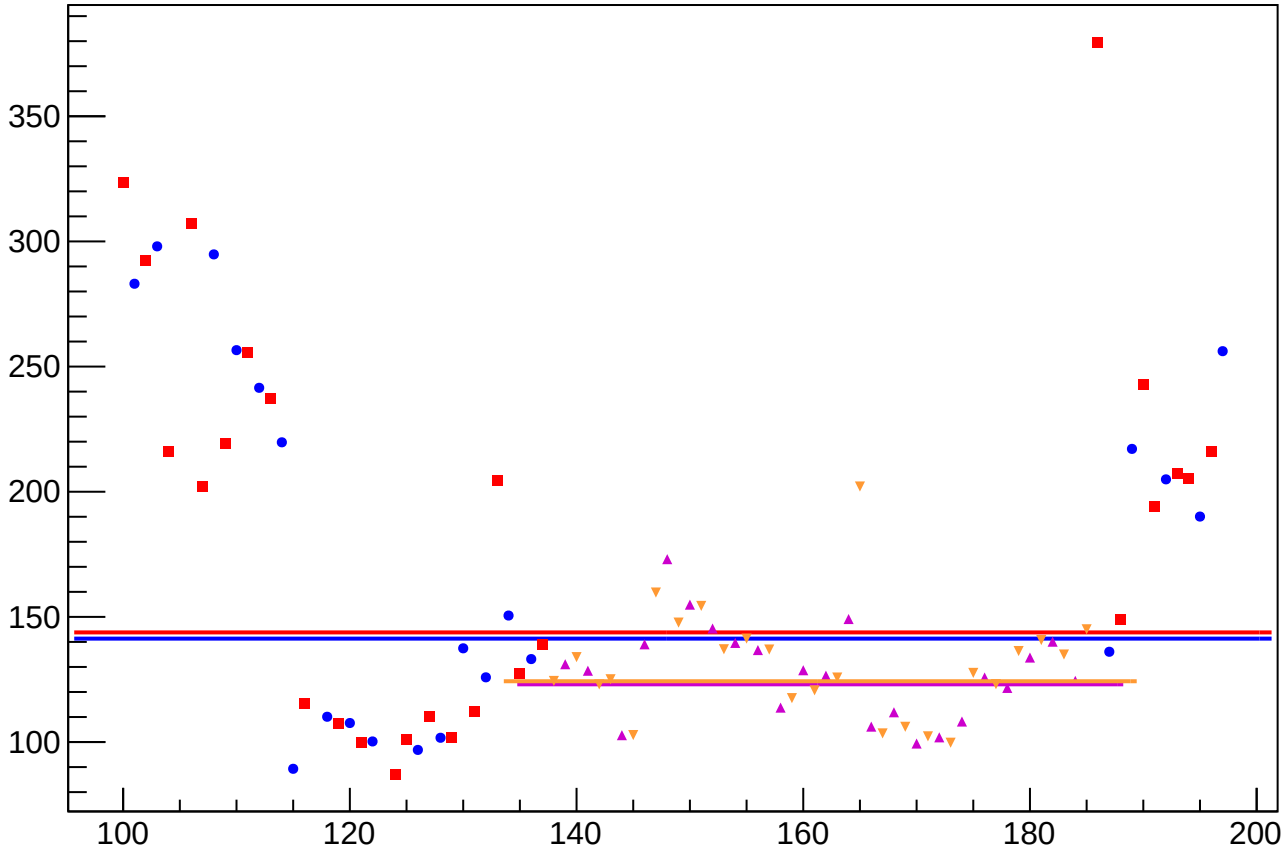
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.4/45

All: 0.015+/-0.017 χ^2/NDF: 99.6/94

- sign -0.010+/-0.025 χ^2/NDF: 44.2/48

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 141.317+/-0.033 χ^2/NDF: 2684135.5/20

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

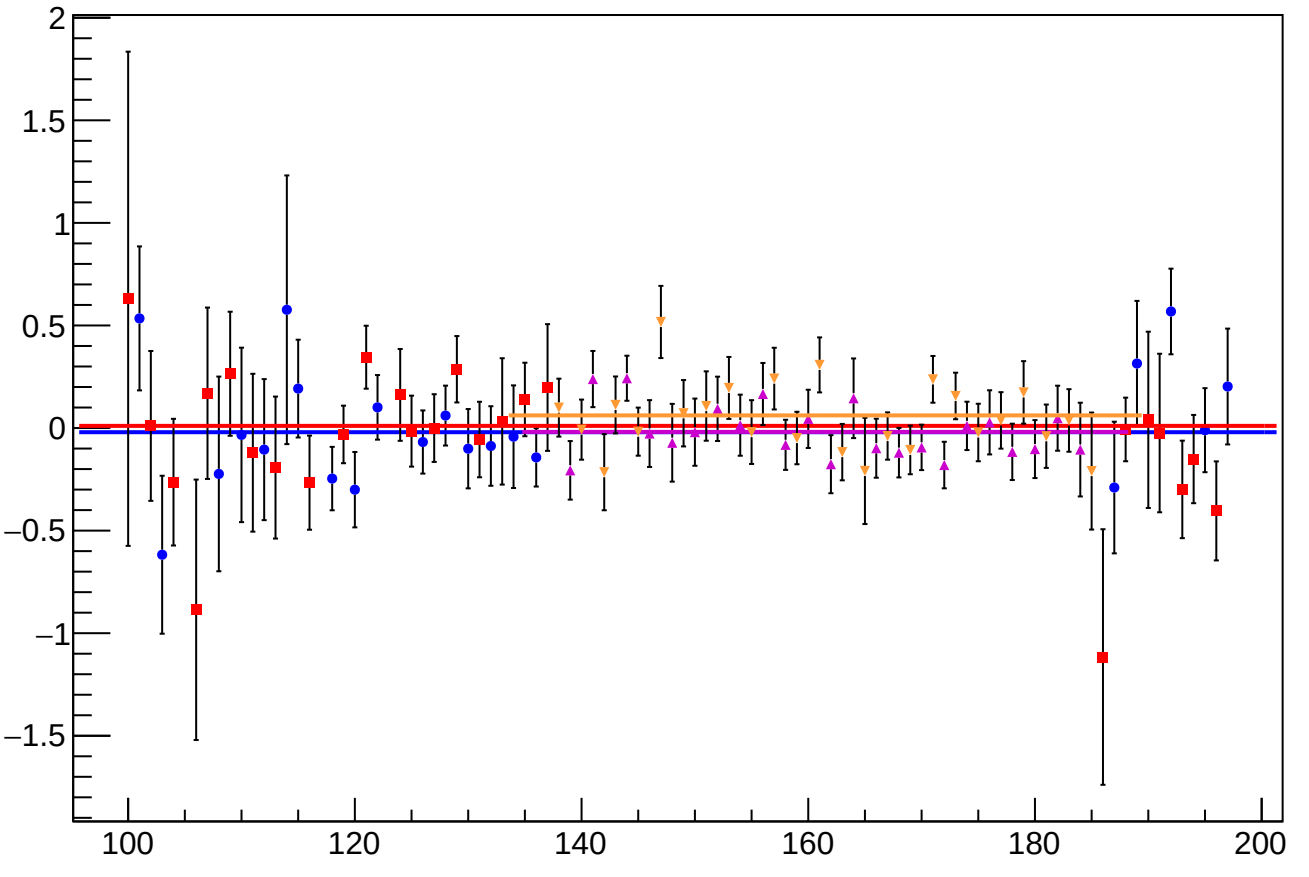
Right Out: 143.801+/-0.032 χ^2/NDF: 2960147.7/25

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

\+ sign 128.913+/-0.017 χ^2/NDF: 3716422.3/45

All: 129.053+/-0.012 χ^2/NDF: 7691215.5/94

\- sign 129.195+/-0.017 χ^2/NDF: 3974661.8/48



Right In: -0.020+/-0.047 χ^2/NDF: 23.8/20

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.011+/-0.045 χ^2/NDF: 23.6/25

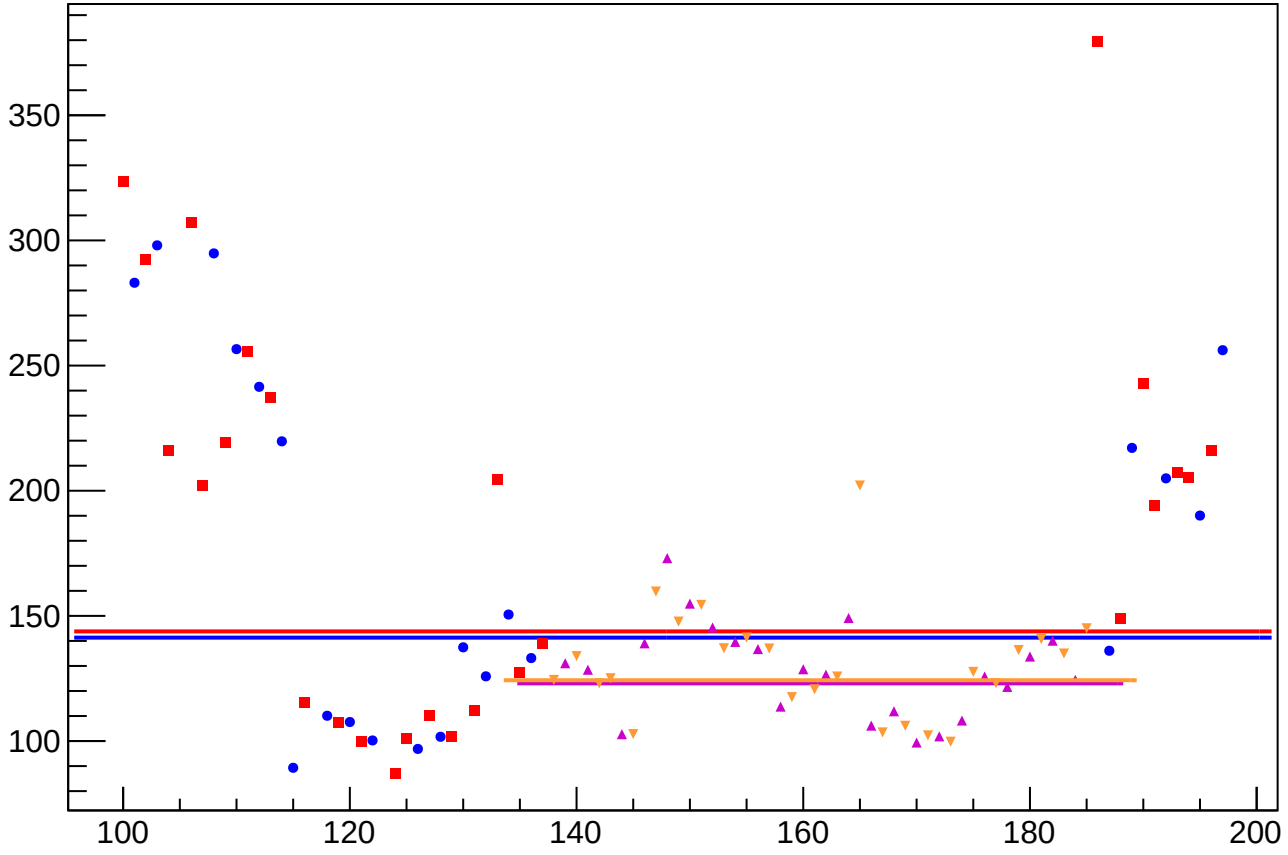
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.4/45

All: 0.015+/-0.017 χ^2/NDF: 99.6/94

- sign -0.010+/-0.025 χ^2/NDF: 44.2/48

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 141.317+/-0.033 χ^2/NDF: 2684135.5/20

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 143.801+/-0.032 χ^2/NDF: 2960147.7/25

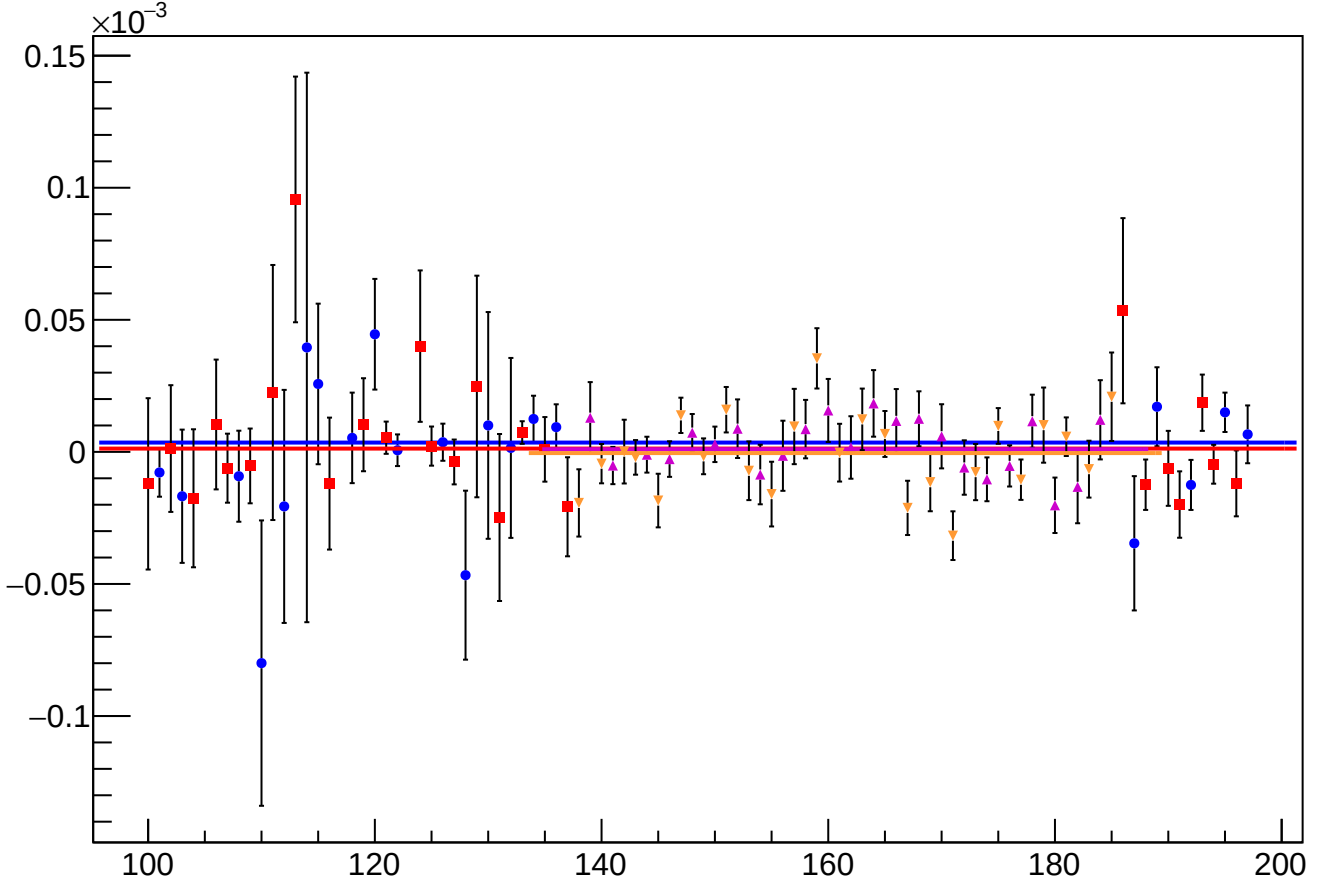
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 128.913+/-0.017 χ^2/NDF: 3716422.3/45

All: 129.053+/-0.012 χ^2/NDF: 7691215.5/94

- sign 129.195+/-0.017 χ^2/NDF: 3974661.8/48

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/20

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

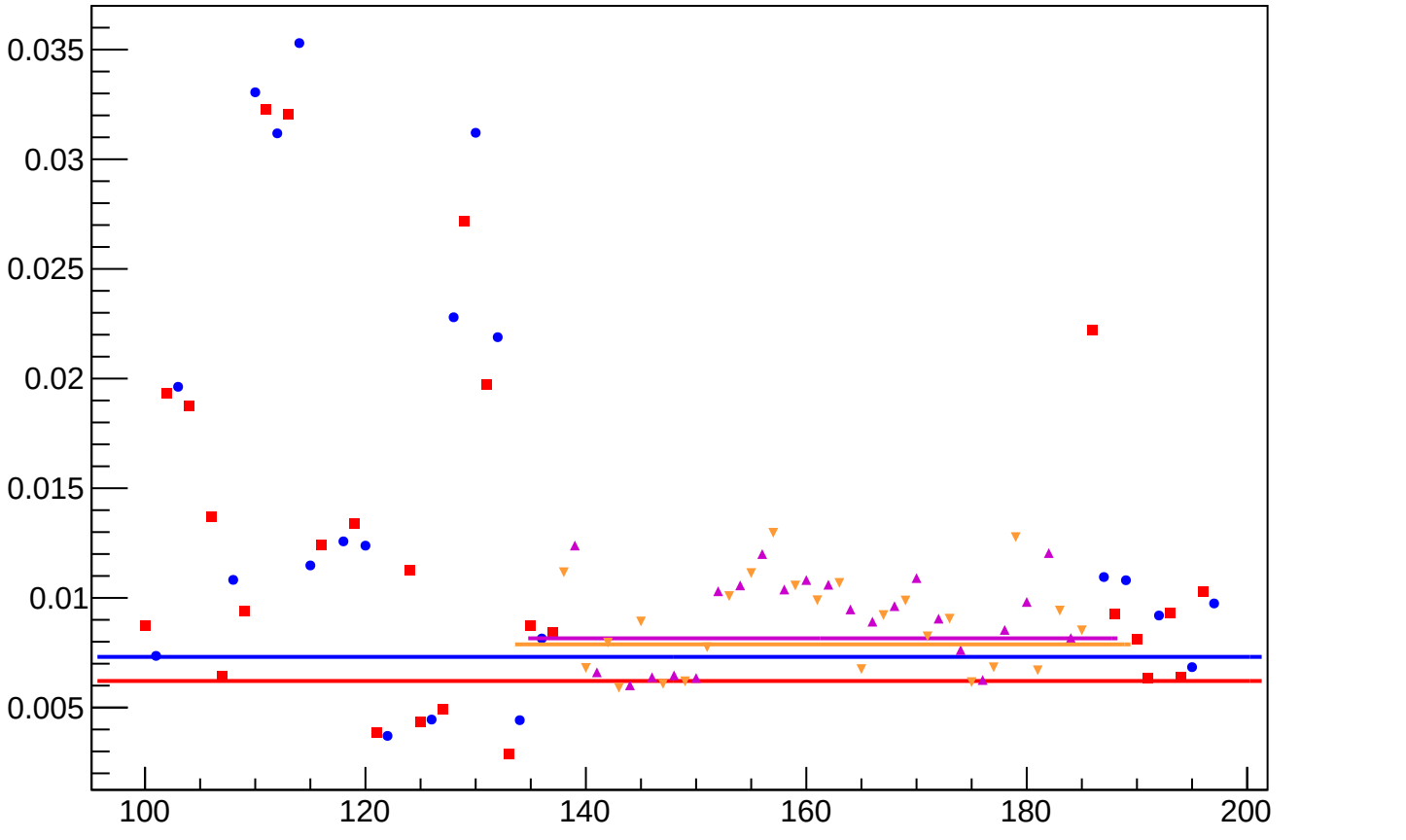
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/25

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.5/45

All: 0.000+/-0.000 χ^2/NDF: 121.6/94

- sign 0.000+/-0.000 χ^2/NDF: 45.1/48



Right In: 0.007+/-0.000 χ^2/NDF: 5166774.5/20

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

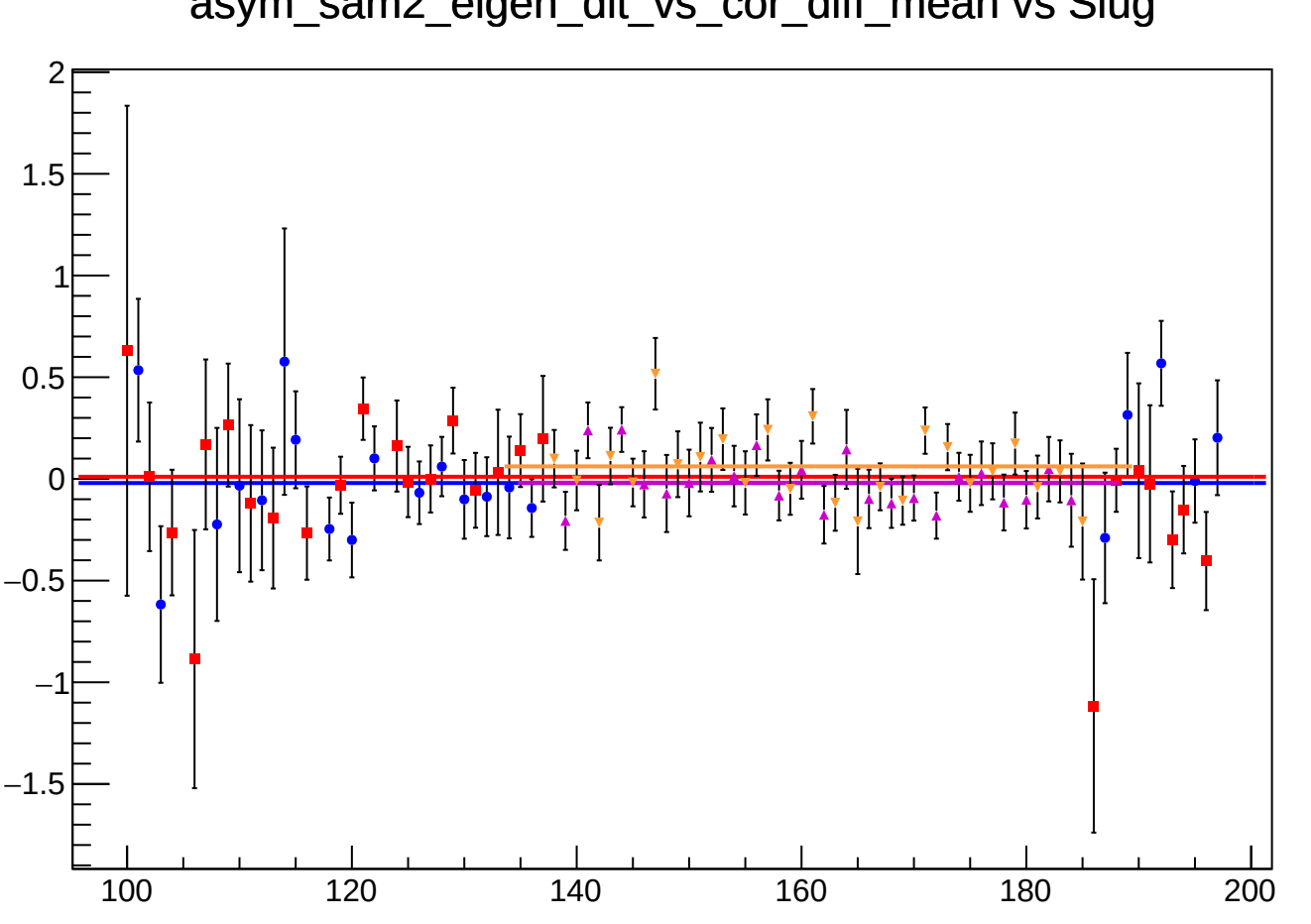
Right Out: 0.006+/-0.000 χ^2/NDF: 6791900.6/25

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7306169.2/45

All: 0.007+/-0.000 χ^2/NDF: 17047666.0/94

- sign 0.007+/-0.000 χ^2/NDF: 9668335.7/48



Right In: -0.020+/-0.047 χ^2/NDF: 23.8/20

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.011+/-0.045 χ^2/NDF: 23.6/25

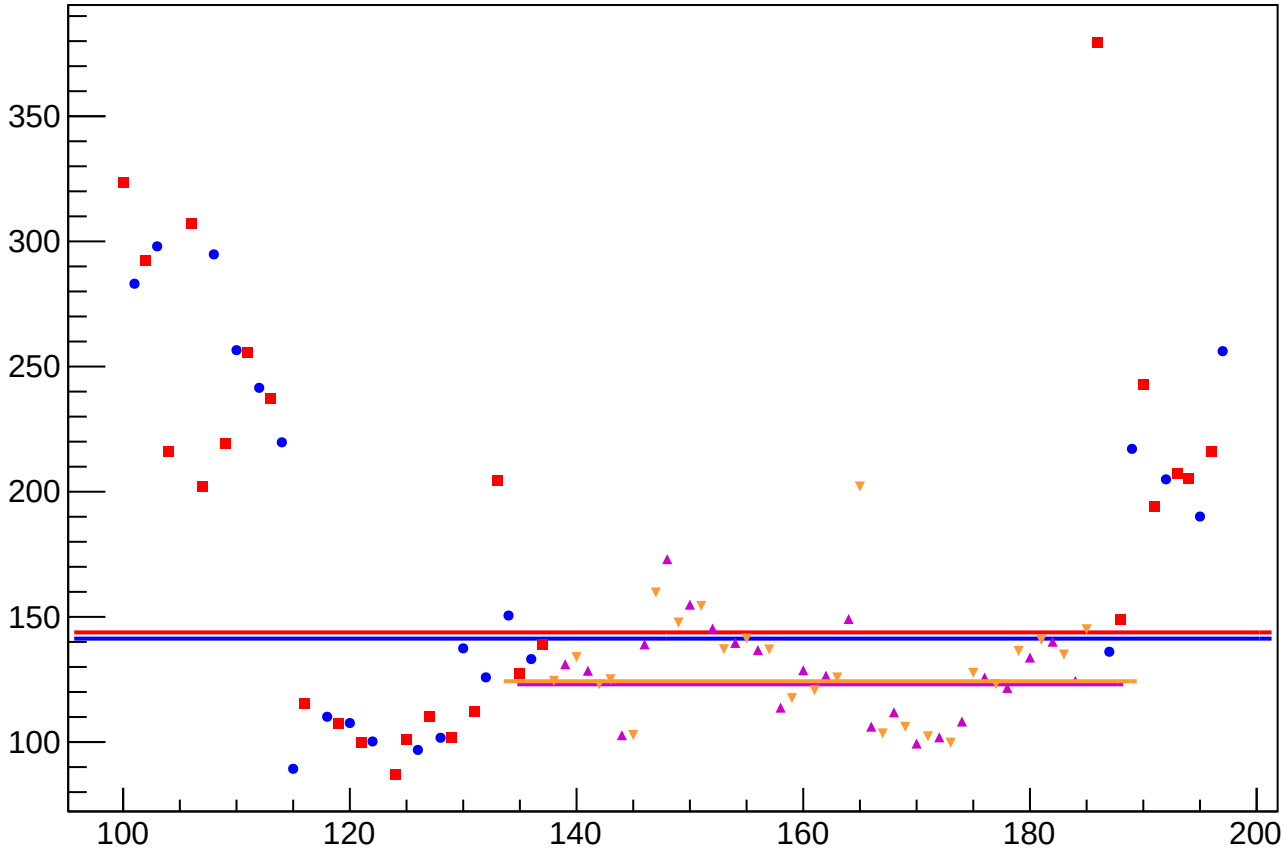
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.4/45

All: 0.015+/-0.017 χ^2/NDF: 99.6/94

- sign -0.010+/-0.025 χ^2/NDF: 44.2/48

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 141.315+/-0.033 χ^2/NDF: 2684152.8/20

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

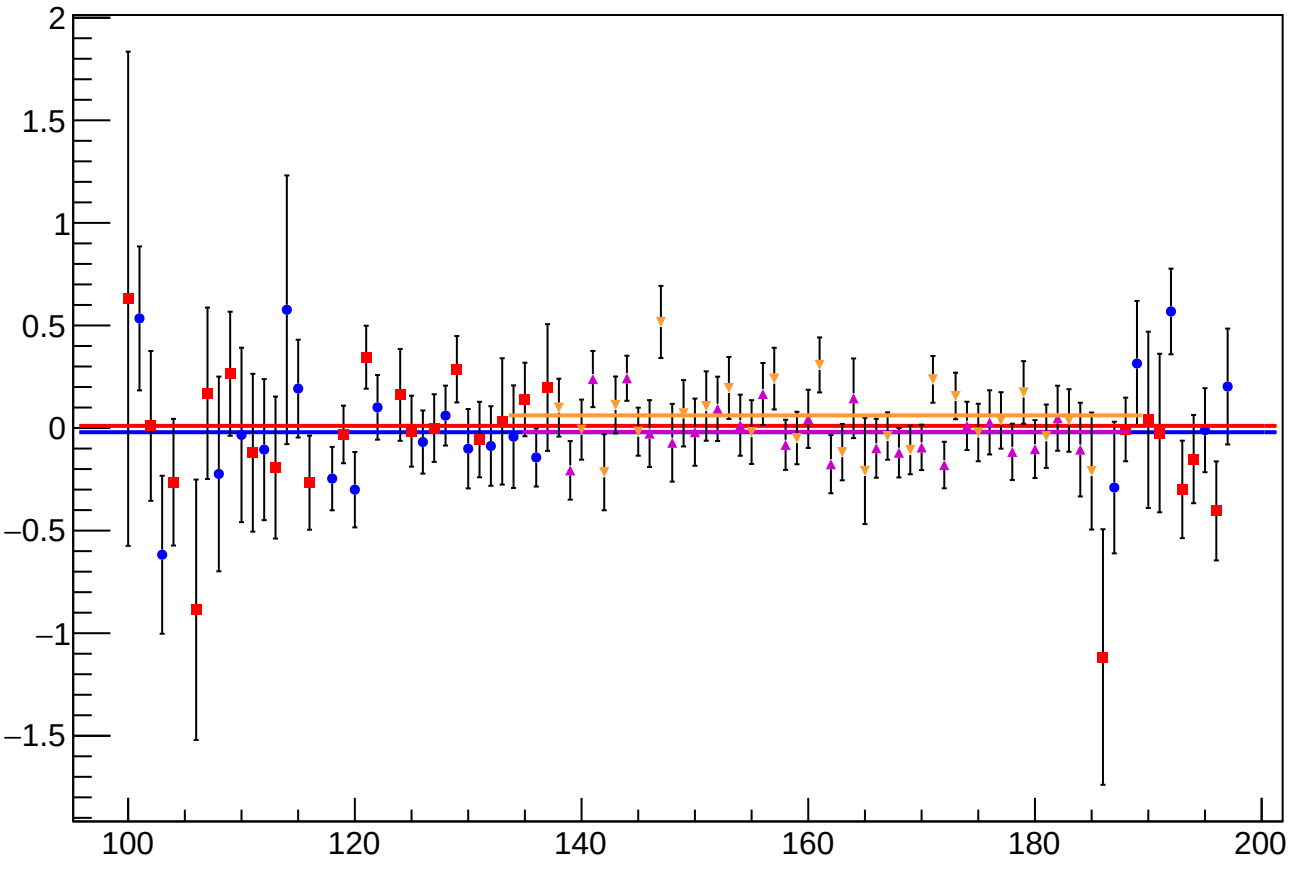
Right Out: 143.798+/-0.032 χ^2/NDF: 2960205.6/25

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 128.913+/-0.017 χ^2/NDF: 3716435.0/45

All: 129.052+/-0.012 χ^2/NDF: 7691243.8/94

- sign 129.194+/-0.017 χ^2/NDF: 3974677.5/48



Right In: -0.020+/-0.047 χ^2/NDF: 23.8/20

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.011+/-0.045 χ^2/NDF: 23.6/25

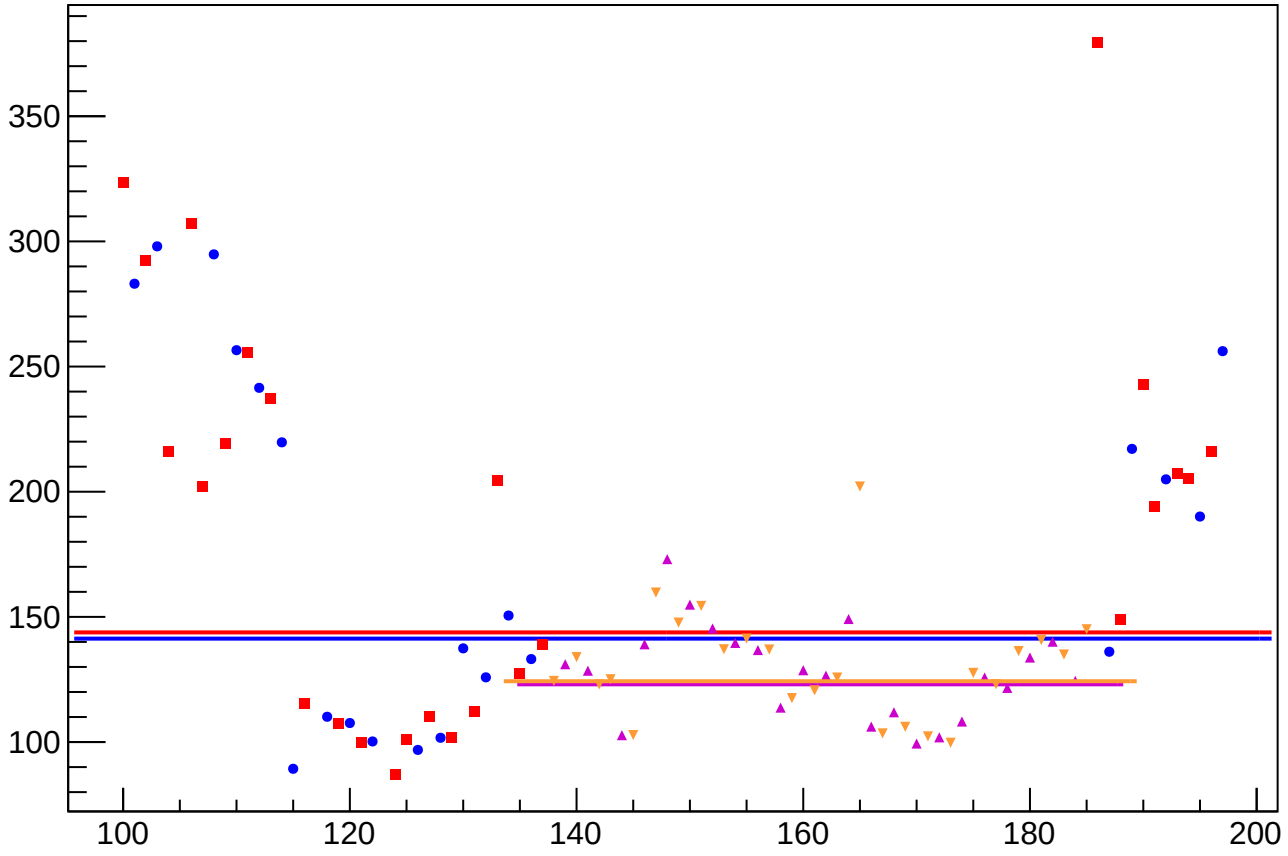
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.024 χ^2/NDF: 53.4/45

All: 0.015+/-0.017 χ^2/NDF: 99.6/94

- sign -0.010+/-0.025 χ^2/NDF: 44.2/48

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 141.315+/-0.033 χ^2/NDF: 2684152.8/20

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 143.798+/-0.032 χ^2/NDF: 2960205.6/25

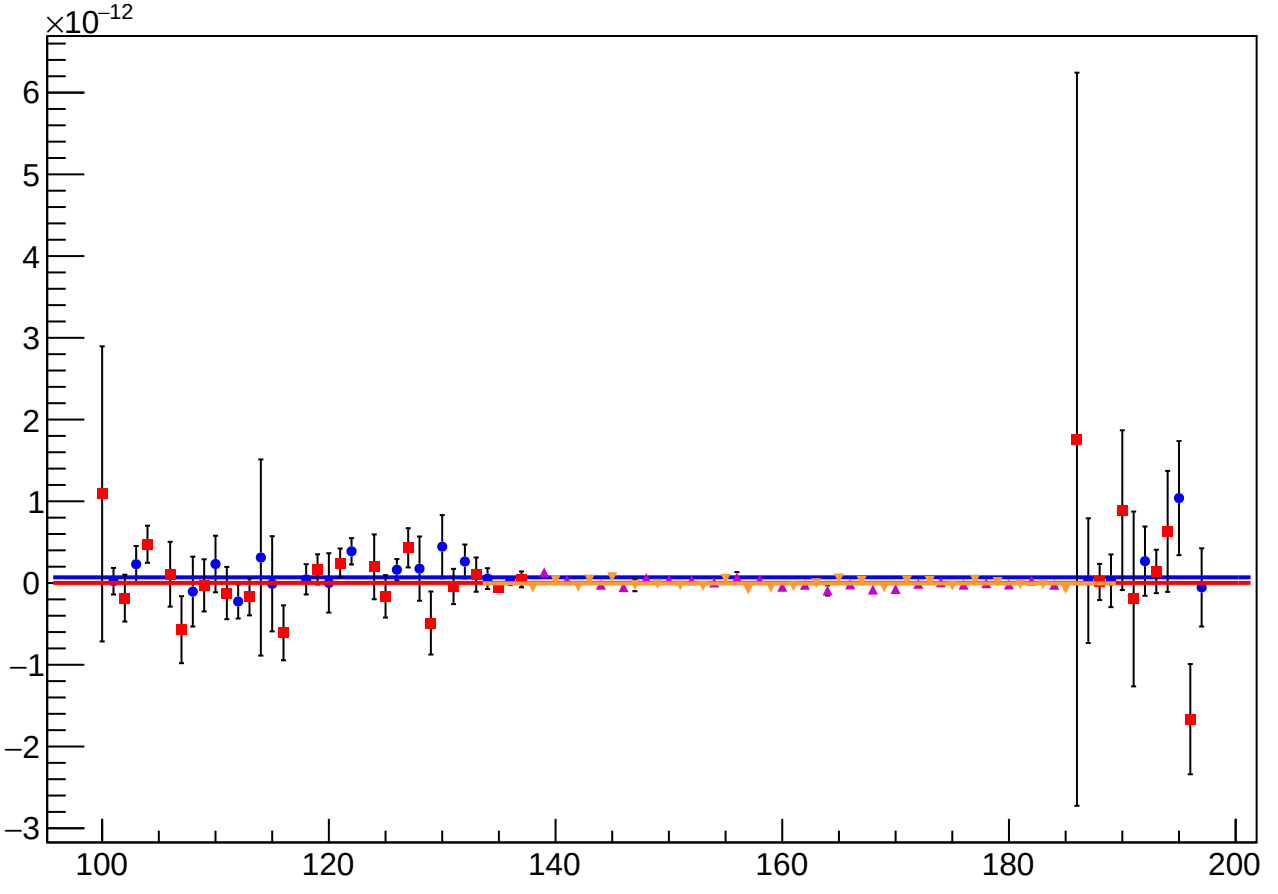
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 128.913+/-0.017 χ^2/NDF: 3716435.0/45

All: 129.052+/-0.012 χ^2/NDF: 7691243.8/94

- sign 129.194+/-0.017 χ^2/NDF: 3974677.5/48

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/25

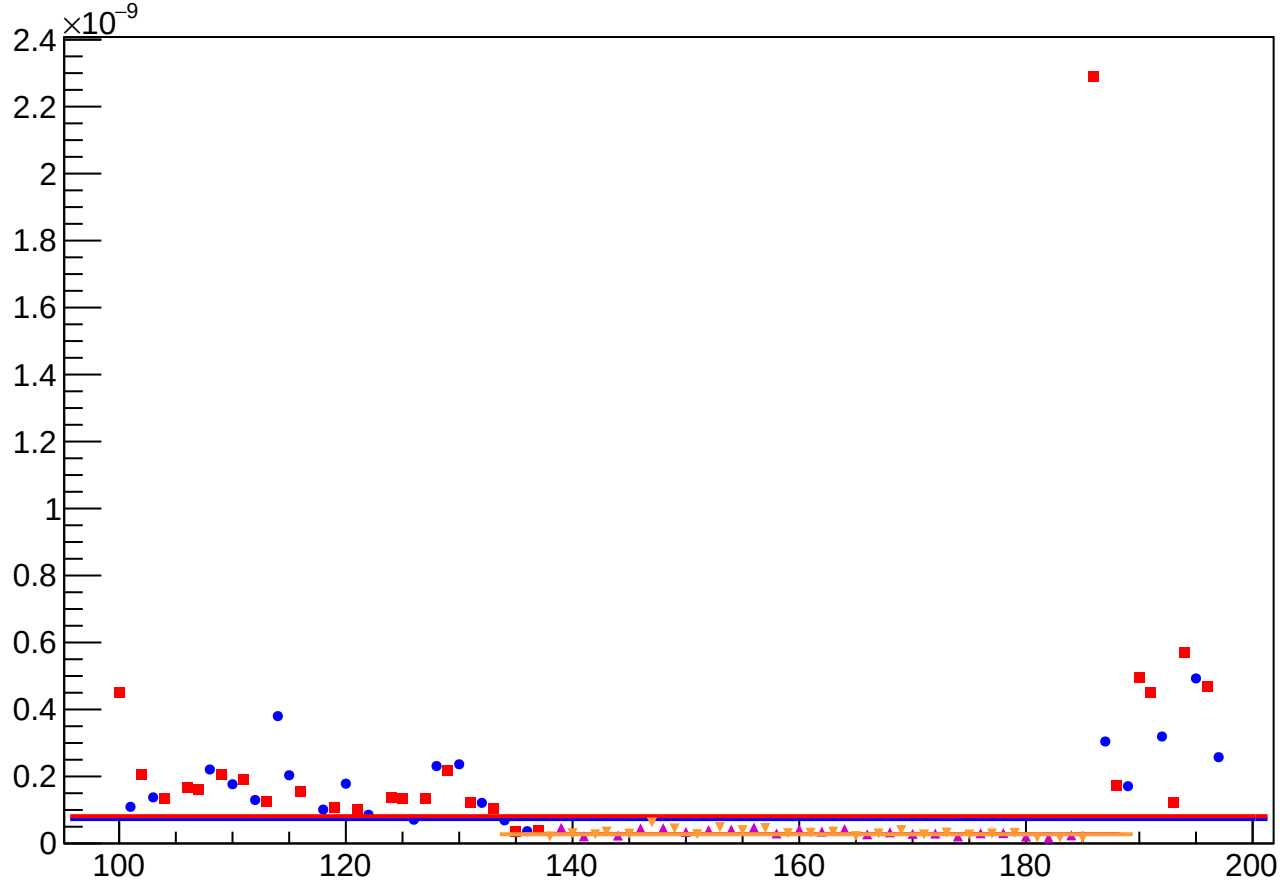
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/45

All: -0.000+/-0.000 χ^2/NDF: 94.7/94

- sign 0.000+/-0.000 χ^2/NDF: 53.4/48

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5300164.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6735086.9/25

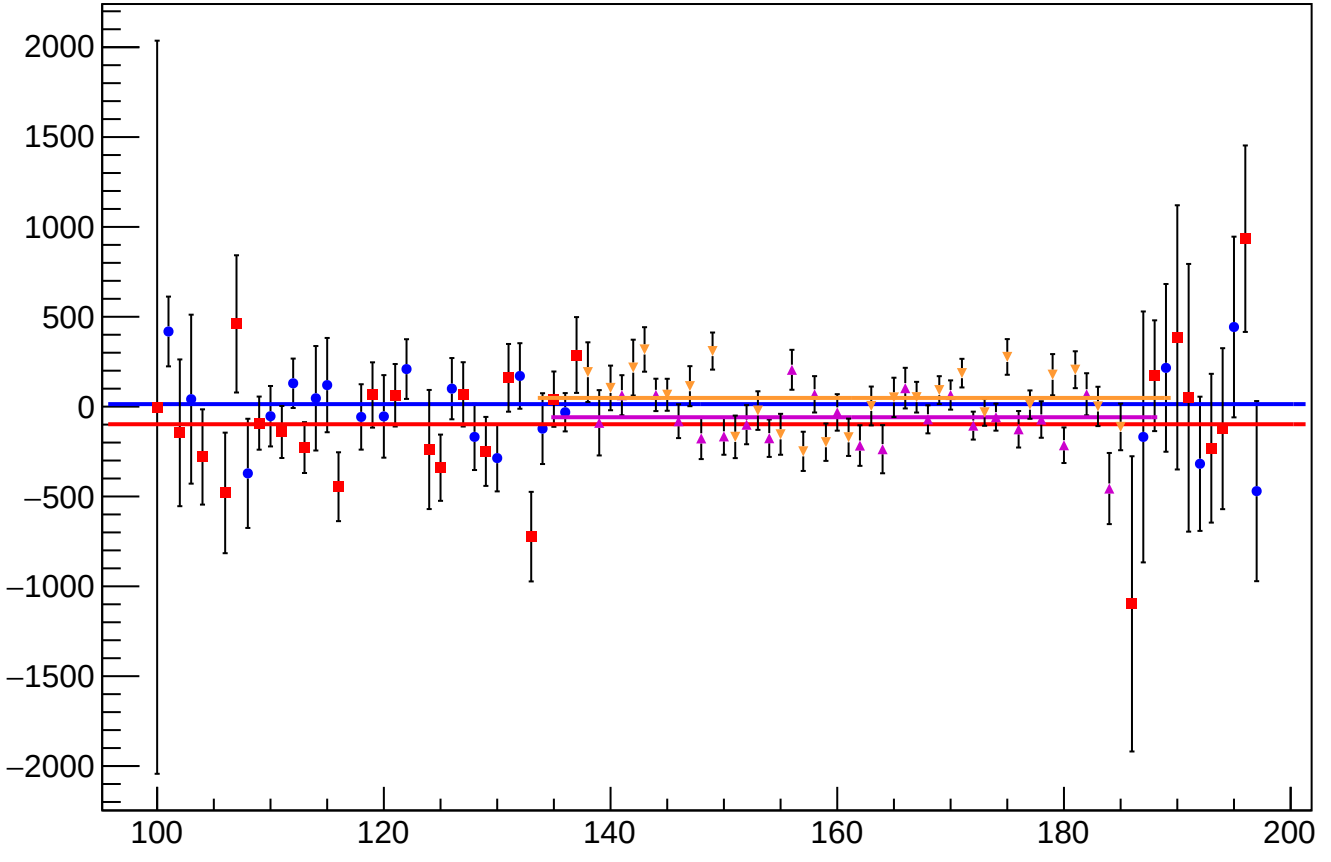
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10778586.0/45

All: 0.000+/-0.000 χ^2/NDF: 23429198.4/94

- sign 0.000+/-0.000 χ^2/NDF: 12634674.1/48

reg_asym_sam3_mean vs Slug



Right In: 13.904+/-44.700 χ^2/NDF: 16.6/20

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -97.982+/-44.438 χ^2/NDF: 32.3/25

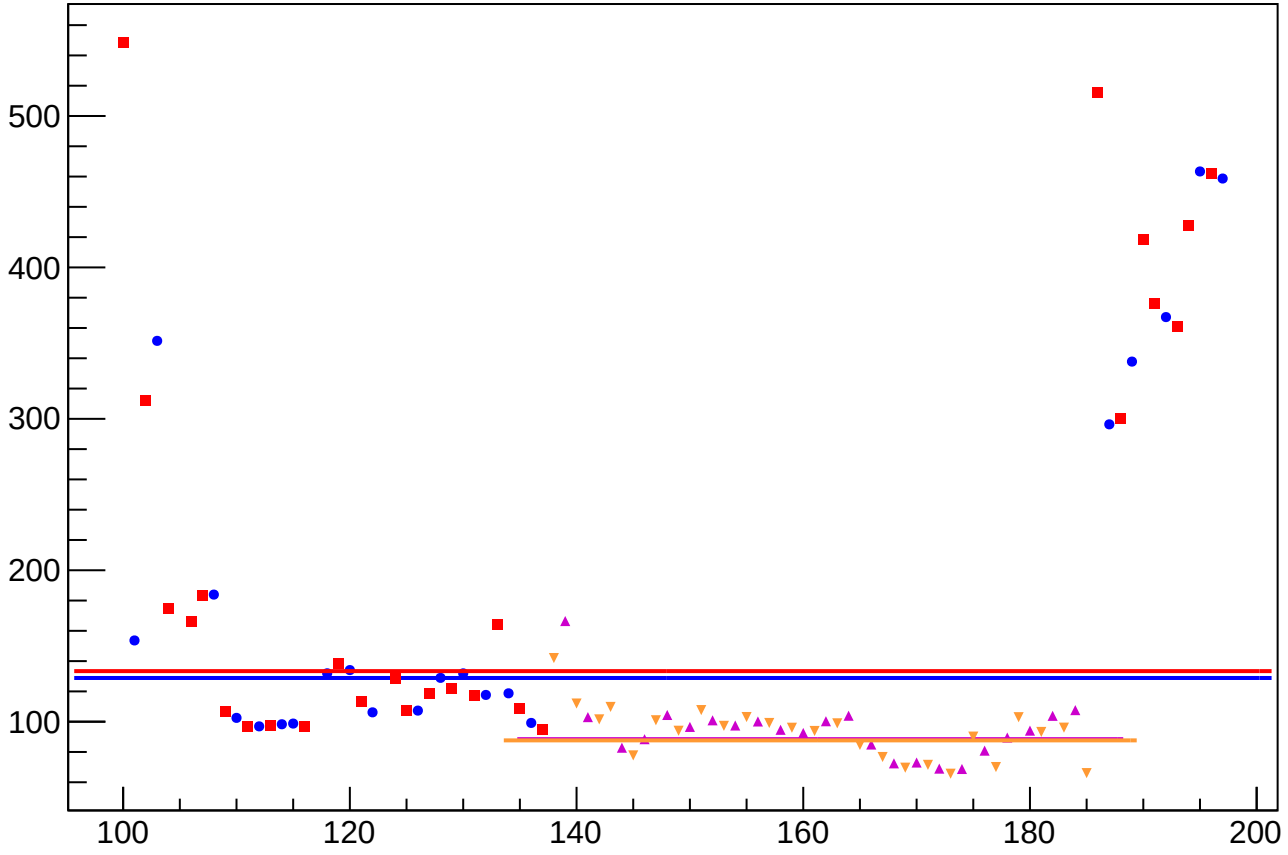
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 42.436+/-18.576 χ^2/NDF: 70.6/45

All: -10.373+/-13.317 χ^2/NDF: 150.8/94

- sign -66.214+/-19.102 χ^2/NDF: 63.6/48

reg_asym_sam3_rms vs Slug



Right In: 128.862+/-0.032 χ^2/NDF: 4074063.3/20

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 133.394+/-0.031 χ^2/NDF: 5017875.4/25

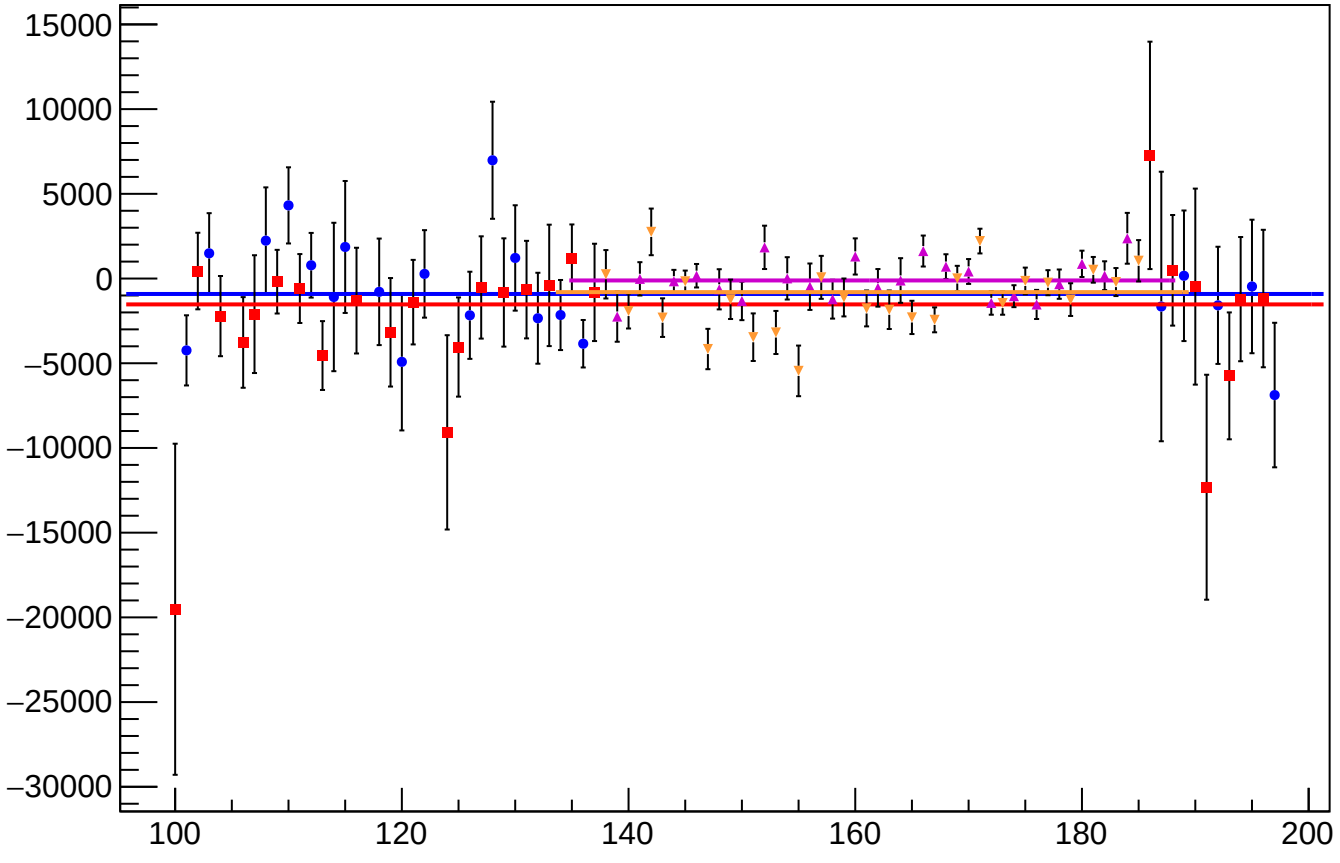
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 94.772+/-0.013 χ^2/NDF: 6693395.2/45

All: 95.749+/-0.009 χ^2/NDF: 14463774.3/94

- sign 96.781+/-0.014 χ^2/NDF: 7759008.7/48

asym_sam3_reg_correction_mean vs Slug



Right In: -911.003+/-585.065 χ^2/NDF: 25.6/20

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1526.244+/-573.970 χ^2/NDF: 19.0/25

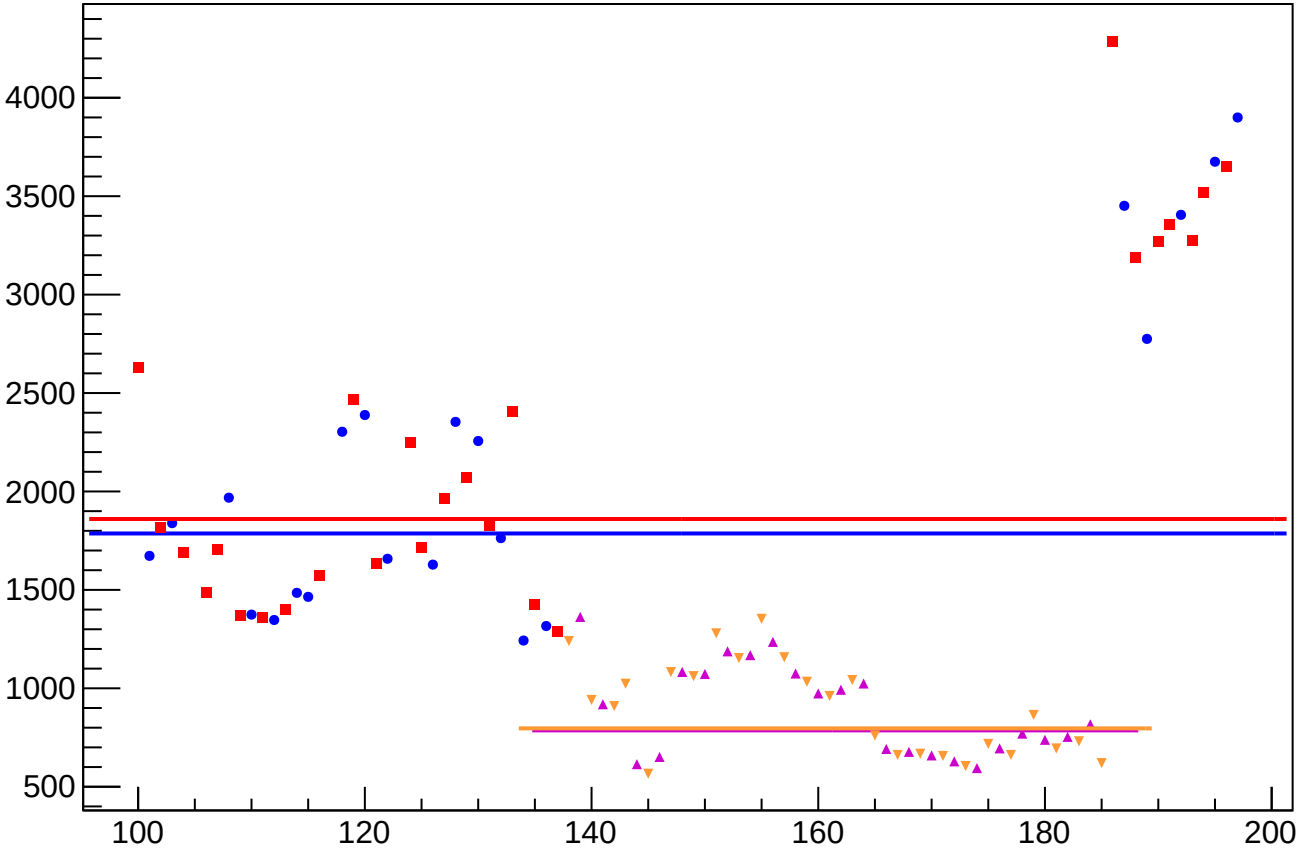
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -811.730+/-178.775 χ^2/NDF: 97.5/45

All: -534.942+/-127.055 χ^2/NDF: 153.8/94

- sign -252.460+/-180.605 χ^2/NDF: 51.5/48

asym_sam3_reg_correction_rms vs Slug



Right In: 1786.608+/-0.414 χ^2/NDF: 2391470.3/20

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1860.155+/-0.406 χ^2/NDF: 2677258.8/25

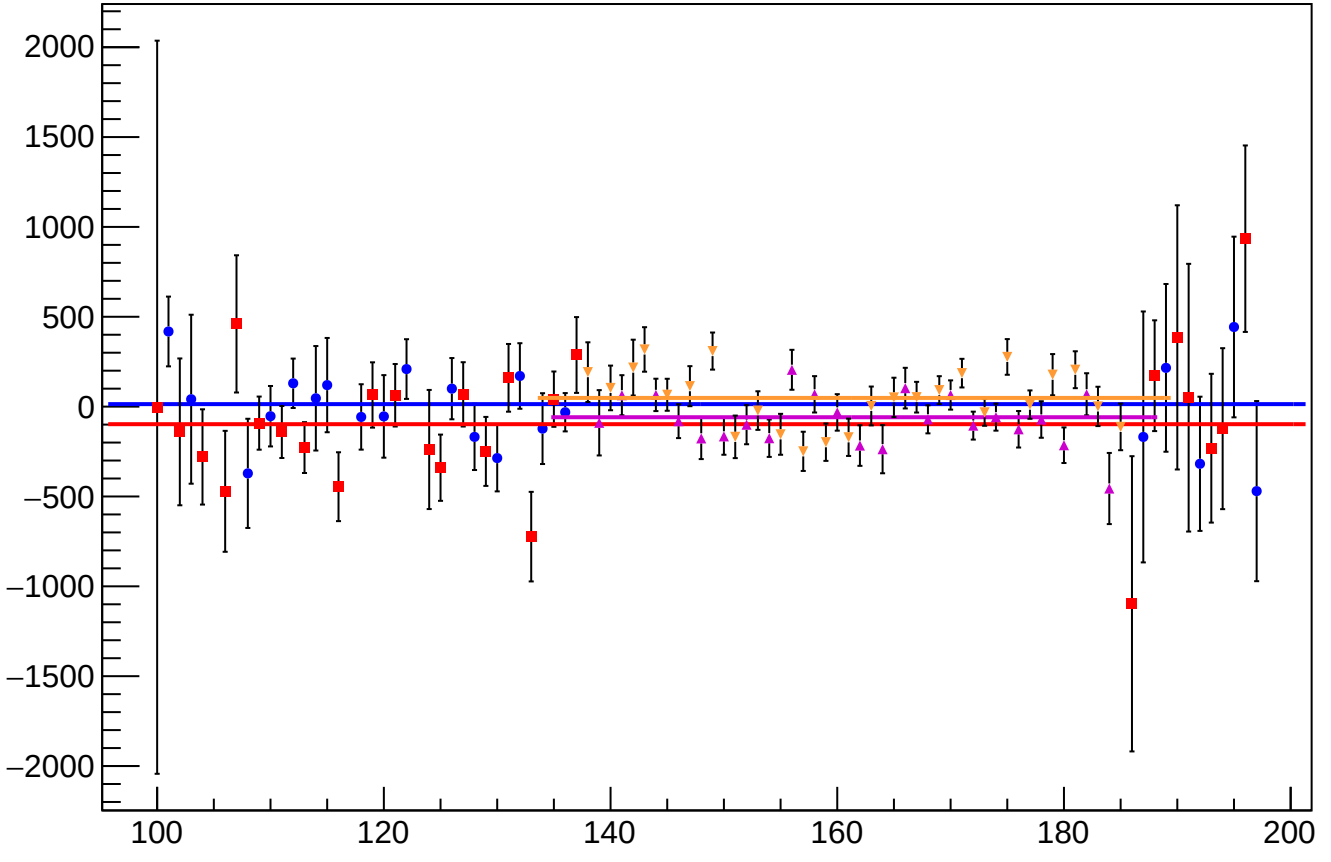
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 888.967+/-0.126 χ^2/NDF: 10002075.6/45

All: 890.792+/-0.090 χ^2/NDF: 21143497.3/94

- sign 892.655+/-0.128 χ^2/NDF: 11141000.6/48

cor_asym_sam3_mean vs Slug



Right In: 13.891+/-44.700 χ^2/NDF: 16.6/20

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -97.711+/-44.440 χ^2/NDF: 32.3/25

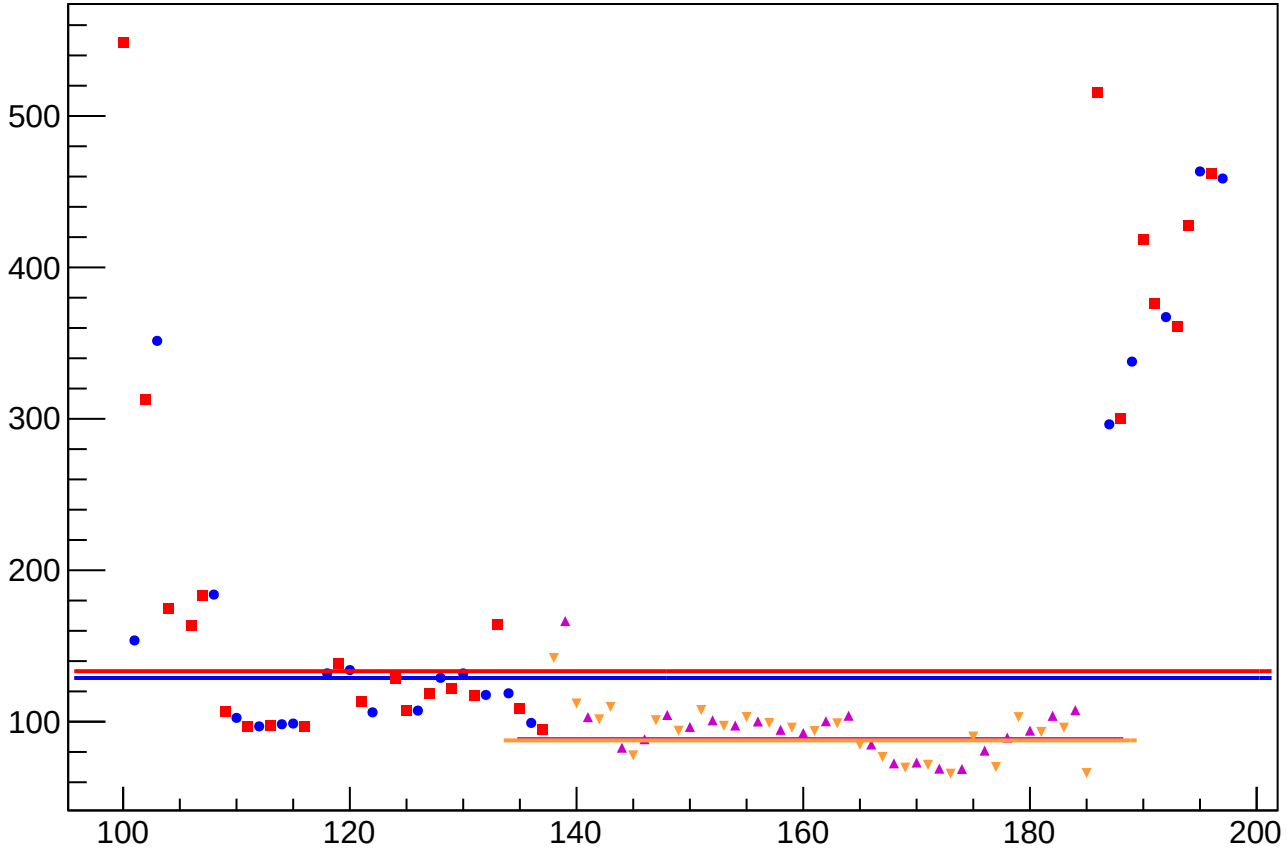
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.440+/-18.576 χ^2/NDF: 70.6/45

All: -10.347+/-13.317 χ^2/NDF: 150.7/94

- sign -66.165+/-19.102 χ^2/NDF: 63.5/48

cor_asym_sam3_rms vs Slug



Right In: 128.862+/-0.032 χ^2/NDF: 4074065.6/20

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 133.348+/-0.031 χ^2/NDF: 5015165.1/25

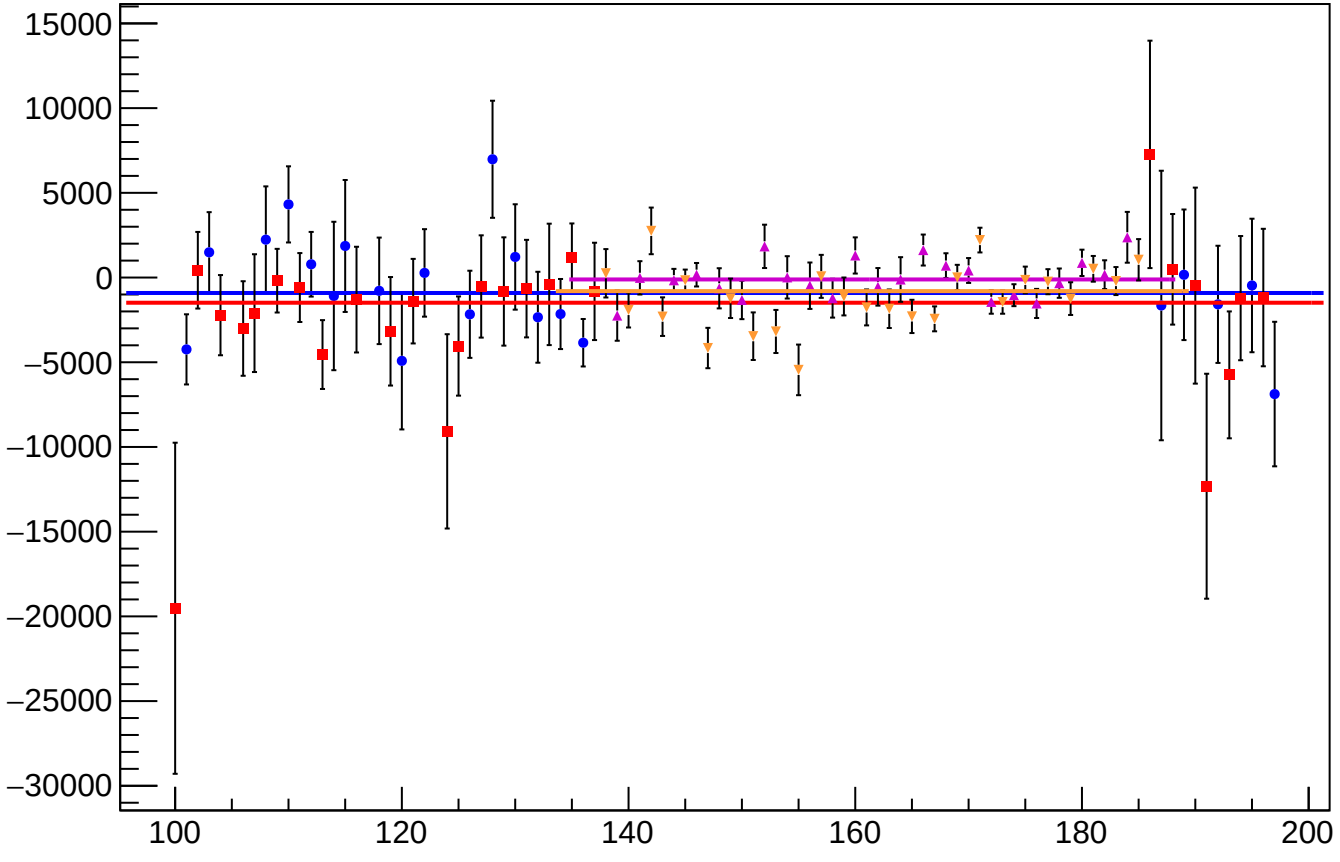
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 94.772+/-0.013 χ^2/NDF: 6693396.7/45

All: 95.744+/-0.009 χ^2/NDF: 14457321.3/94

- sign 96.772+/-0.014 χ^2/NDF: 7752661.5/48

asym_sam3_cor_correction_mean vs Slug



Right In: -910.992+/-585.069 χ^2/NDF: 25.6/20

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1486.540+/-575.074 χ^2/NDF: 18.5/25

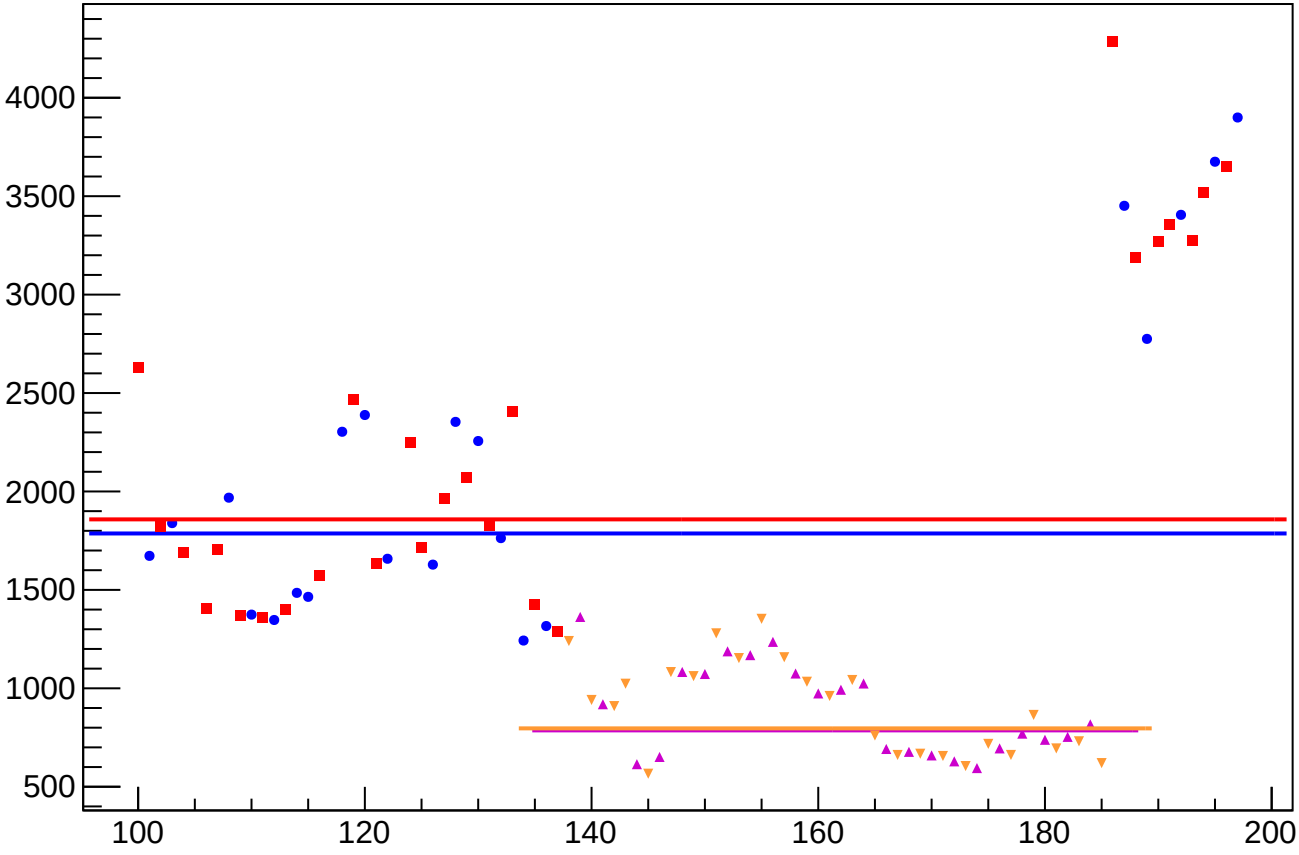
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -811.722+/-178.775 χ^2/NDF: 97.5/45

All: -532.814+/-127.067 χ^2/NDF: 153.1/94

- sign -248.060+/-180.639 χ^2/NDF: 50.7/48

asym_sam3_cor_correction_rms vs Slug



Right In: 1786.619+/-0.414 χ^2/NDF: 2391479.1/20

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1858.207+/-0.407 χ^2/NDF: 2691259.1/25

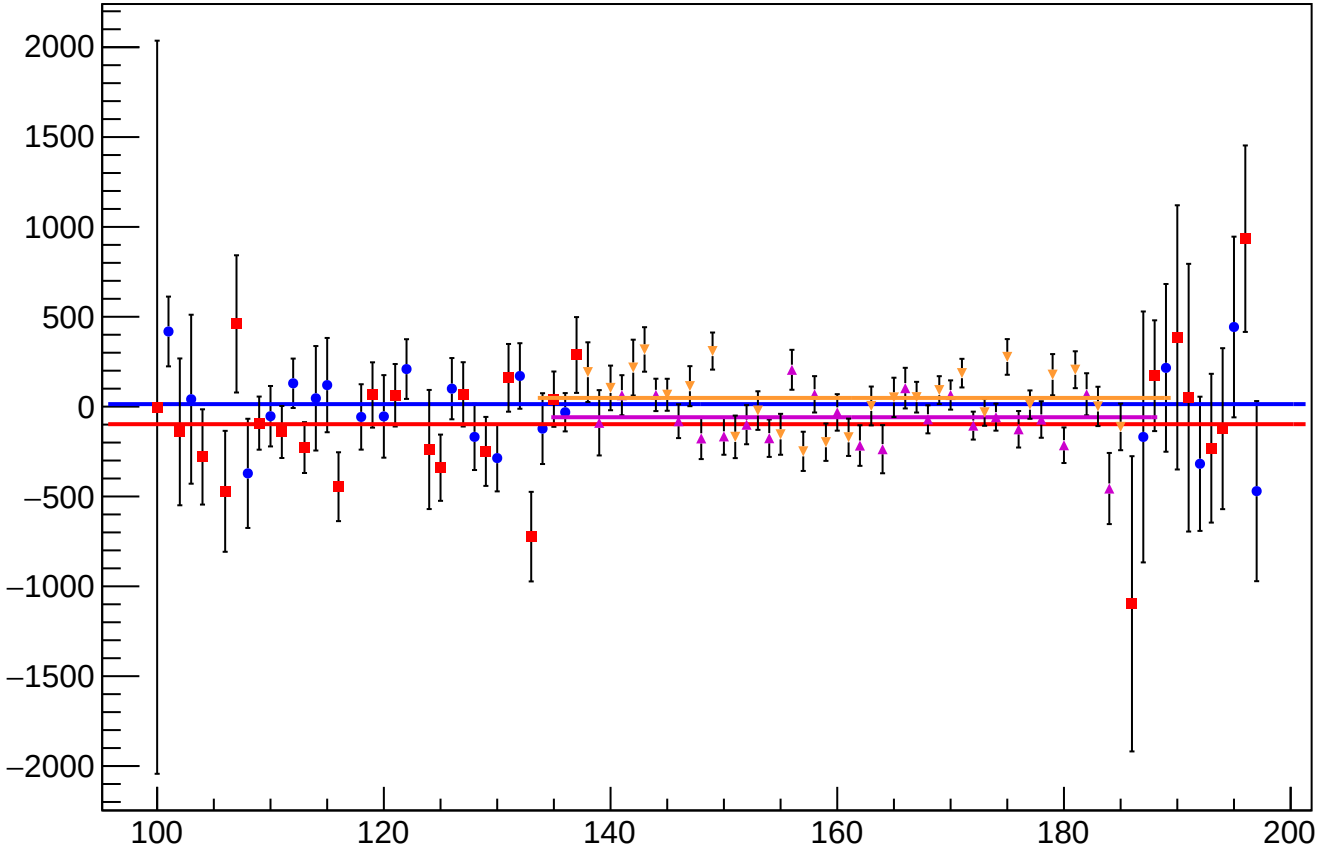
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 888.967+/-0.126 χ^2/NDF: 10002133.7/45

All: 890.515+/-0.090 χ^2/NDF: 21112843.7/94

- sign 892.095+/-0.128 χ^2/NDF: 11110407.1/48

eigen_cor_asym_sam3_mean vs Slug



Right In: 13.891+/-44.700 χ^2/NDF: 16.6/20

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -97.711+/-44.440 χ^2/NDF: 32.3/25

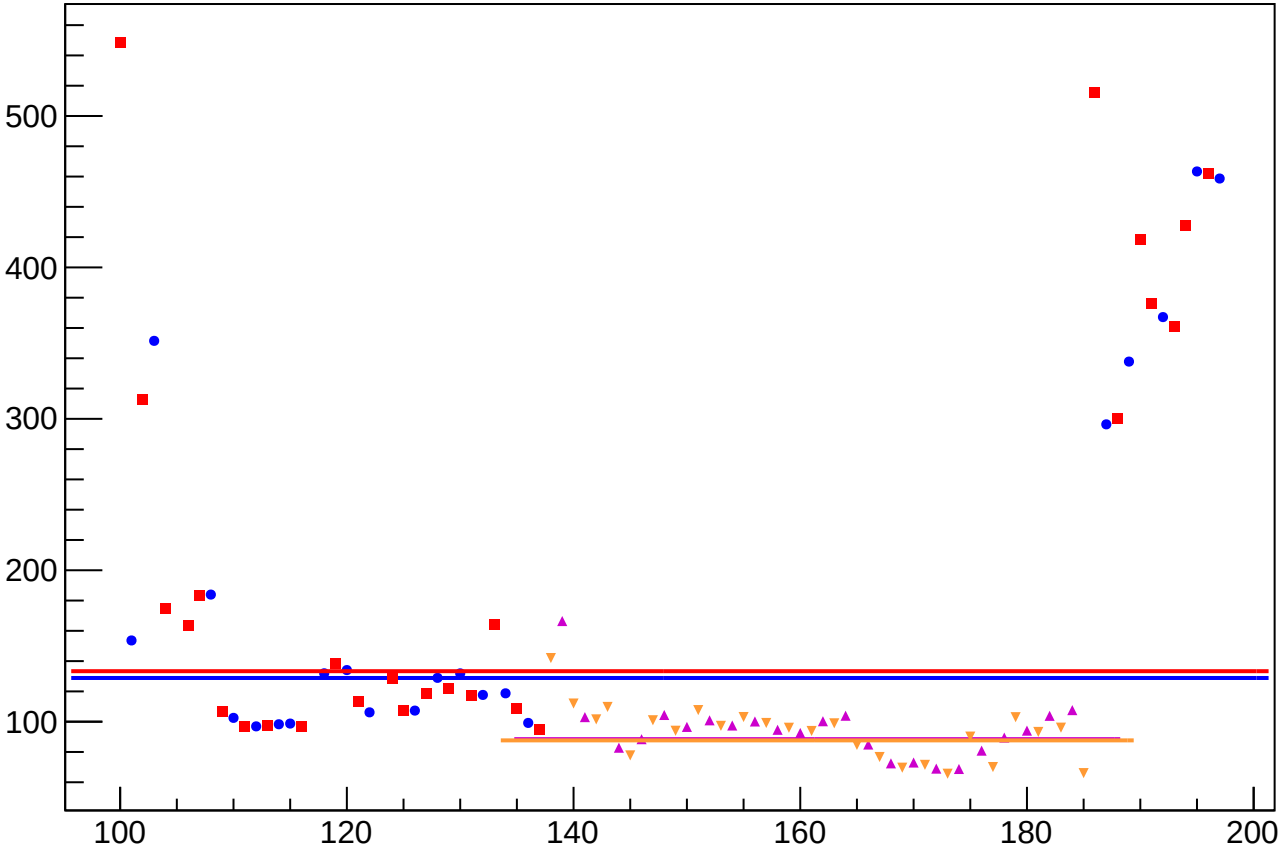
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.440+/-18.576 χ^2/NDF: 70.6/45

All: -10.347+/-13.317 χ^2/NDF: 150.7/94

- sign -66.165+/-19.102 χ^2/NDF: 63.5/48

eigen_cor_asym_sam3_rms vs Slug



Right In: 128.862+/-0.032 χ^2/NDF: 4074065.6/20

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

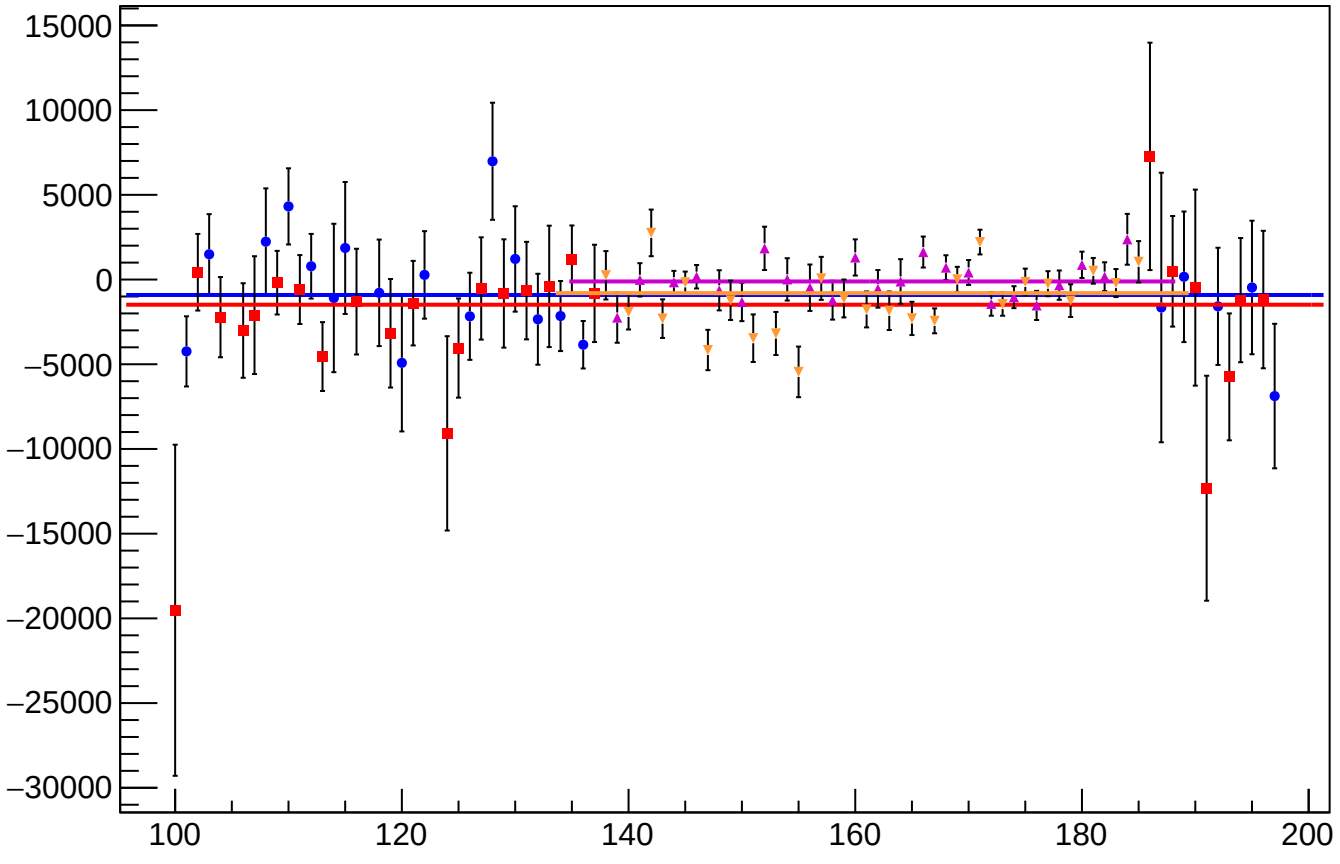
Right Out: 133.348+/-0.031 χ^2/NDF: 5015165.1/25

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 94.772+/-0.013 χ^2/NDF: 6693396.7/45

All: 95.744+/-0.009 χ^2/NDF: 14457321.3/94

- sign 96.772+/-0.014 χ^2/NDF: 7752661.5/48



Right In: -910.992+/-585.069 χ^2/NDF: 25.6/20

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

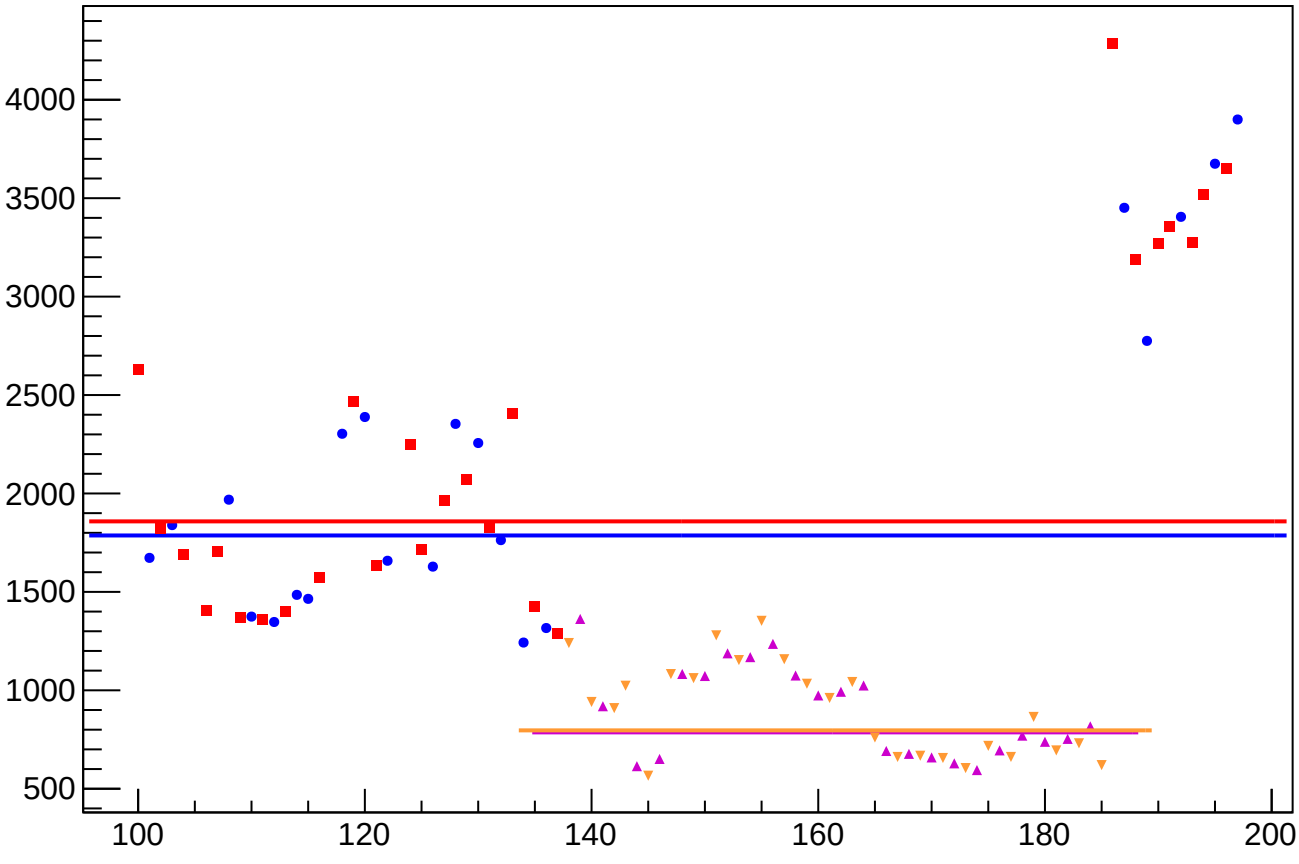
Right Out: -1486.540+/-575.074 χ^2/NDF: 18.5/25

Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -811.722+/-178.775 χ^2/NDF: 97.5/45

All: -532.814+/-127.067 χ^2/NDF: 153.1/94

- sign -248.060+/-180.639 χ^2/NDF: 50.7/48



Right In: 1786.619+/-0.414 χ^2/NDF: 2391479.1/20

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1858.207+/-0.407 χ^2/NDF: 2691259.1/25

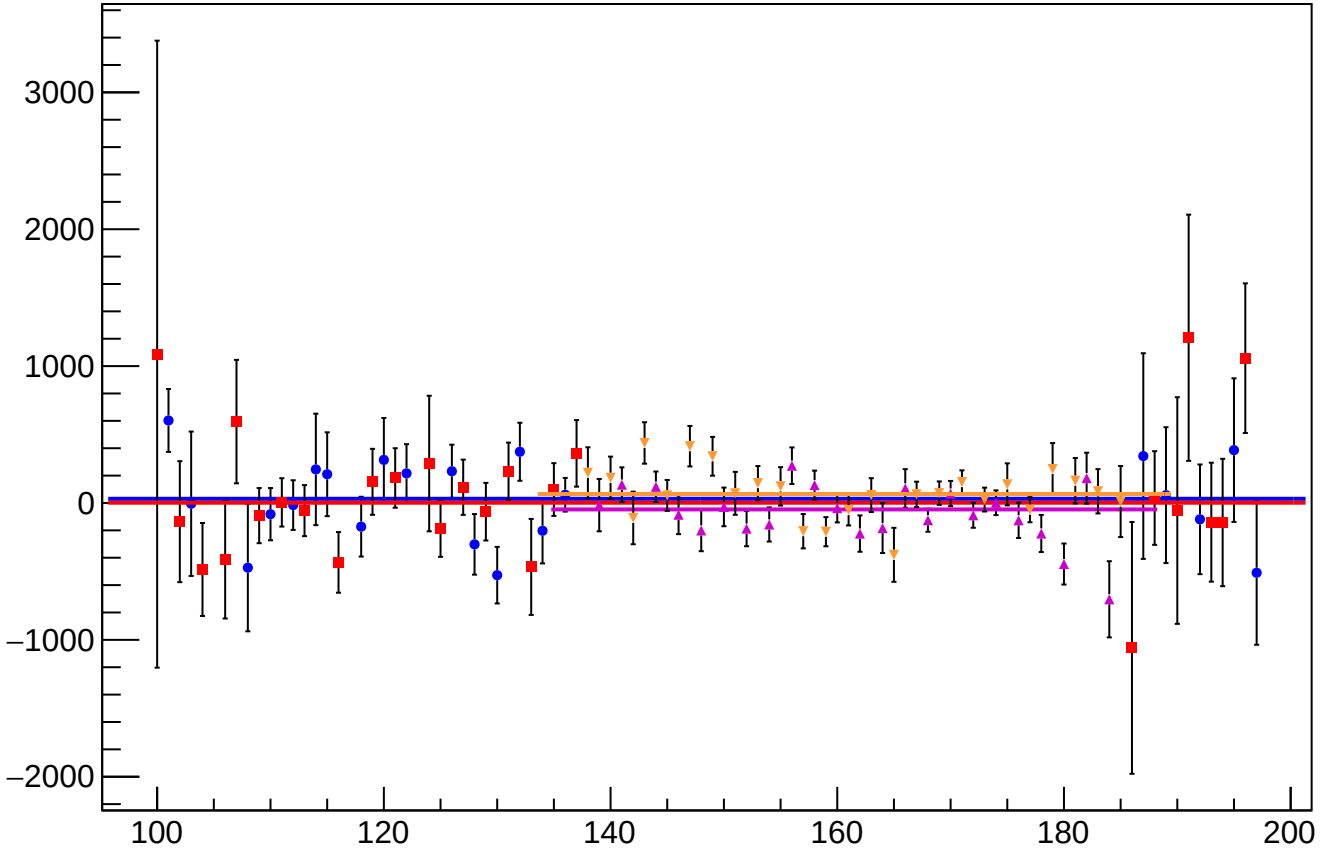
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 888.967+/-0.126 χ^2/NDF: 10002133.7/45

All: 890.515+/-0.090 χ^2/NDF: 21112843.7/94

- sign 892.095+/-0.128 χ^2/NDF: 11110407.1/48

dit_asym_sam3_mean vs Slug



Right In: 30.654+/-53.376 χ^2/NDF: 27.0/20

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 1.955+/-53.953 χ^2/NDF: 24.4/25

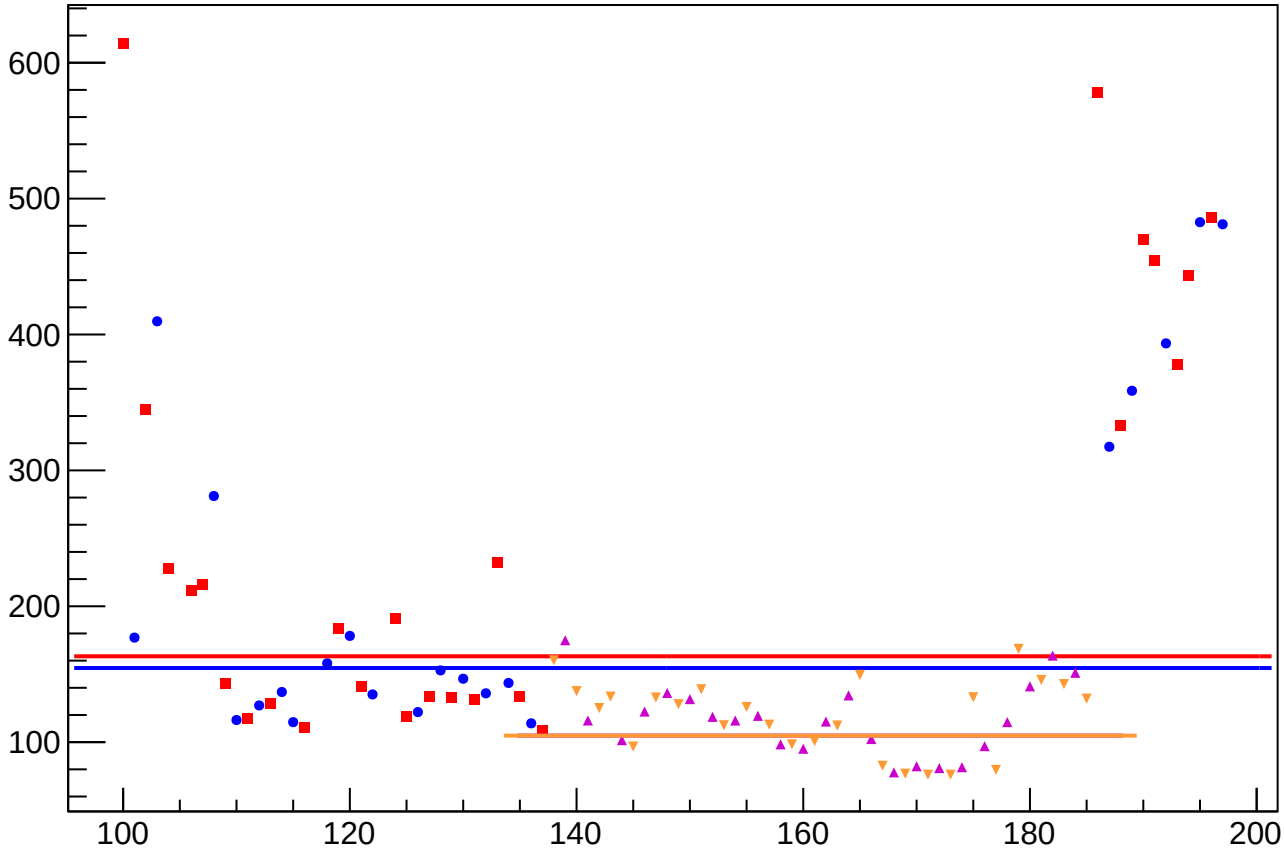
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 59.372+/-22.684 χ^2/NDF: 67.4/45

All: 11.790+/-16.219 χ^2/NDF: 140.1/94

- sign -37.980+/-23.199 χ^2/NDF: 63.7/48

dit_asym_sam3_rms vs Slug



Right In: 154.568+/-0.038 χ^2/NDF: 3821233.7/20

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 163.184+/-0.038 χ^2/NDF: 4660915.0/25

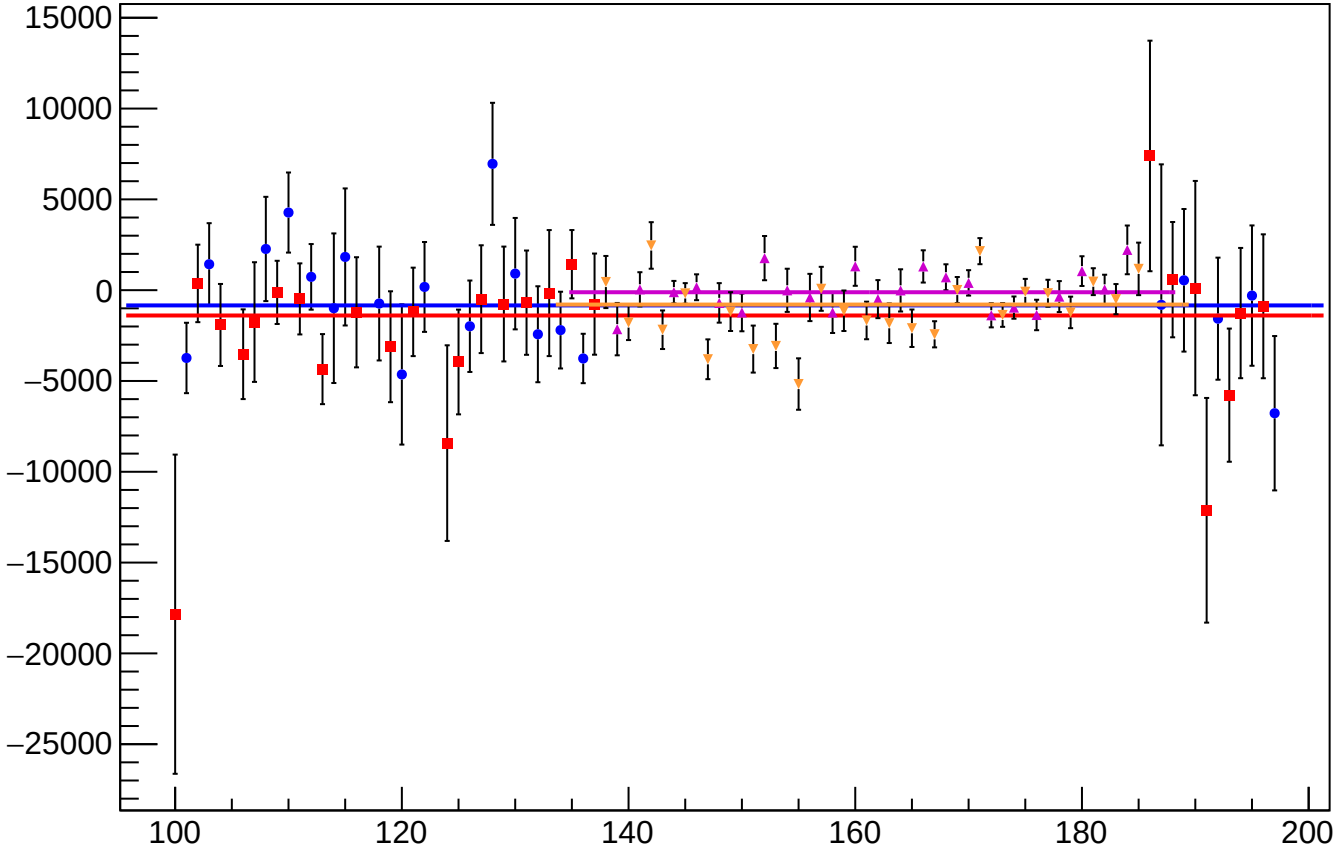
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 113.797+/-0.016 χ^2/NDF: 7488173.3/45

All: 114.689+/-0.011 χ^2/NDF: 15676607.5/94

- sign 115.623+/-0.016 χ^2/NDF: 8182097.4/48

asym_sam3_dit_correction_mean vs Slug



Right In: -839.389+/-567.099 χ^2/NDF: 25.6/20

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1394.503+/-549.759 χ^2/NDF: 20.4/25

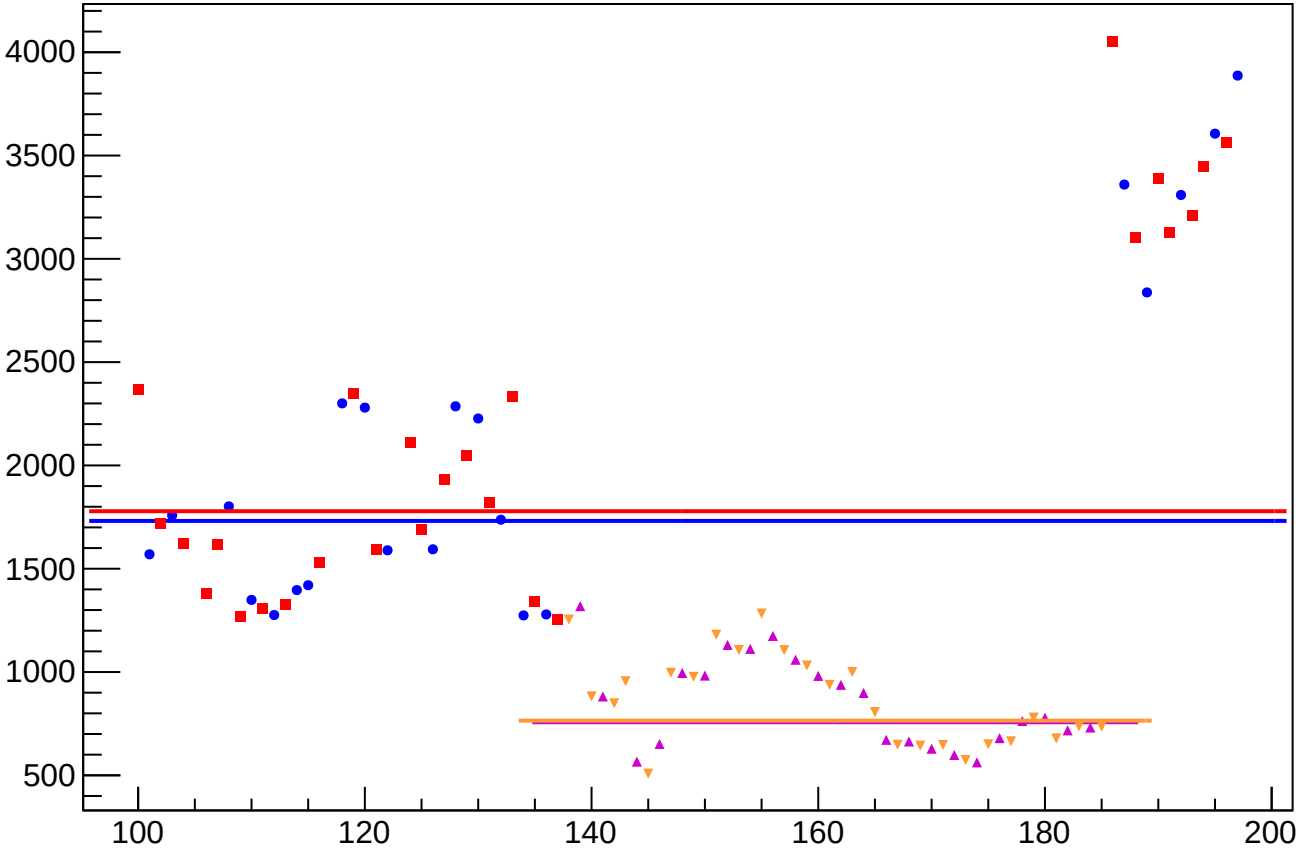
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -797.305+/-171.476 χ^2/NDF: 95.7/45

All: -523.099+/-122.044 χ^2/NDF: 152.4/94

- sign -241.602+/-173.740 χ^2/NDF: 51.5/48

asym_sam3_dit_correction_rms vs Slug



Right In: 1731.383+/-0.401 χ^2/NDF: 2443480.7/20

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1778.318+/-0.389 χ^2/NDF: 2819532.9/25

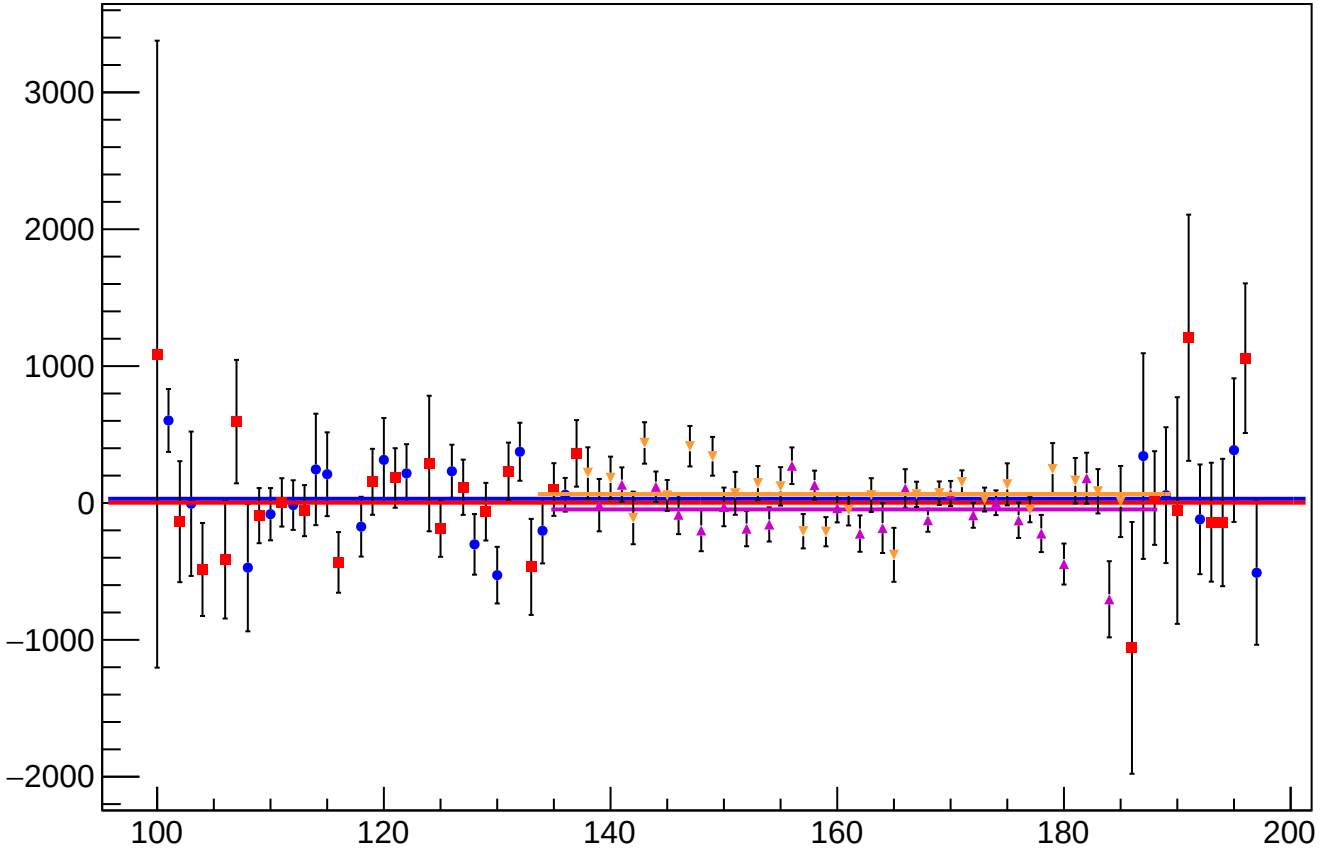
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 853.114+/-0.121 χ^2/NDF: 10148722.1/45

All: 855.988+/-0.086 χ^2/NDF: 21298688.6/94

- sign 858.938+/-0.123 χ^2/NDF: 11148828.2/48

eigen_dit_asym_sam3_mean vs Slug



Right In: 30.653+/-53.377 χ^2/NDF: 27.0/20

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 1.958+/-53.953 χ^2/NDF: 24.4/25

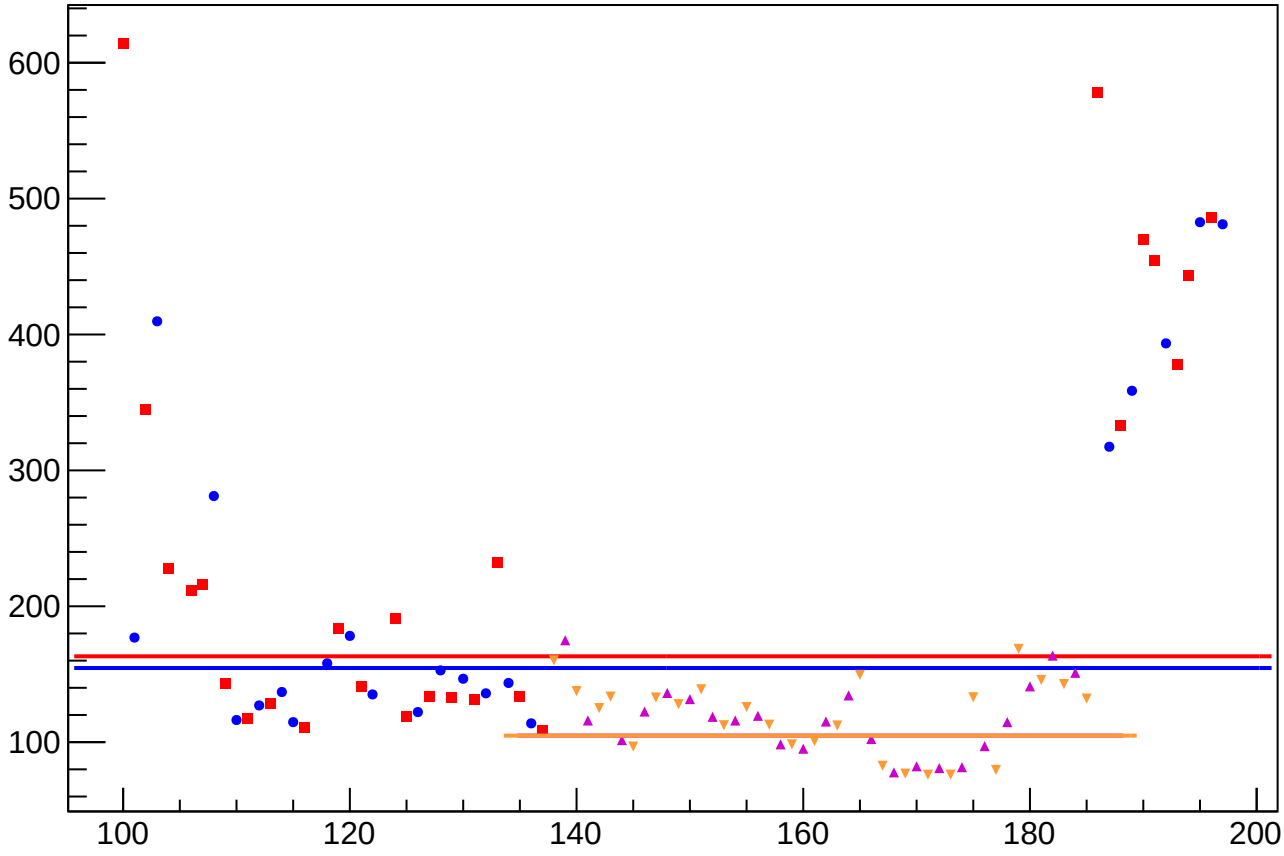
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 59.373+/-22.684 χ^2/NDF: 67.4/45

All: 11.791+/-16.219 χ^2/NDF: 140.1/94

- sign -37.979+/-23.199 χ^2/NDF: 63.7/48

eigen_dit_asym_sam3_rms vs Slug



Right In: 154.569+/-0.038 χ^2/NDF: 3821233.7/20

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

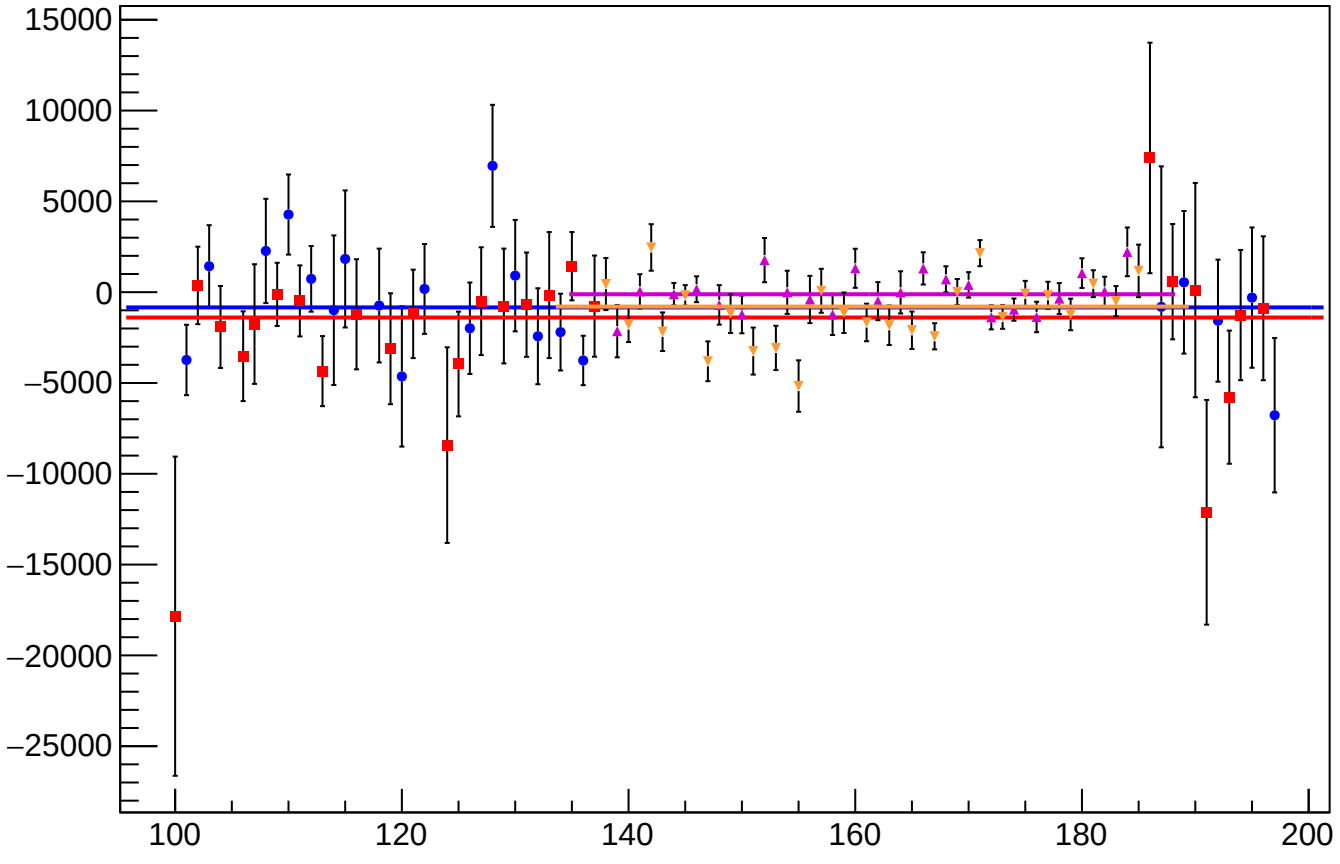
Right Out: 163.184+/-0.038 χ^2/NDF: 4660912.9/25

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 113.797+/-0.016 χ^2/NDF: 7488186.2/45

All: 114.690+/-0.011 χ^2/NDF: 15676630.8/94

- sign 115.623+/-0.016 χ^2/NDF: 8182107.9/48



Right In: -839.386+/-567.099 χ^2/NDF: 25.6/20

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1394.502+/-549.758 χ^2/NDF: 20.4/25

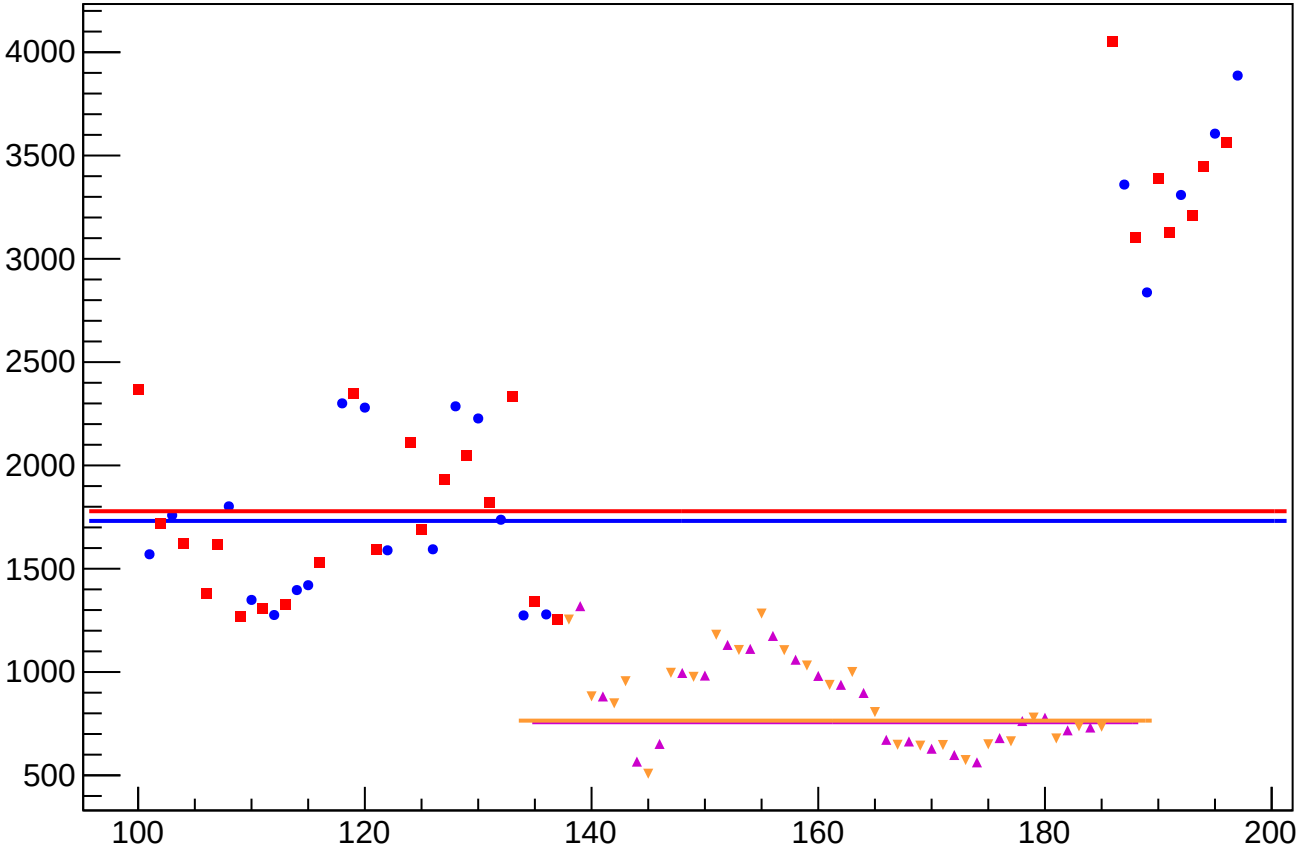
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -797.306+/-171.475 χ^2/NDF: 95.7/45

All: -523.099+/-122.044 χ^2/NDF: 152.4/94

- sign -241.602+/-173.740 χ^2/NDF: 51.5/48

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1731.381+/-0.401 χ^2/NDF: 2443478.5/20

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1778.316+/-0.389 χ^2/NDF: 2819531.7/25

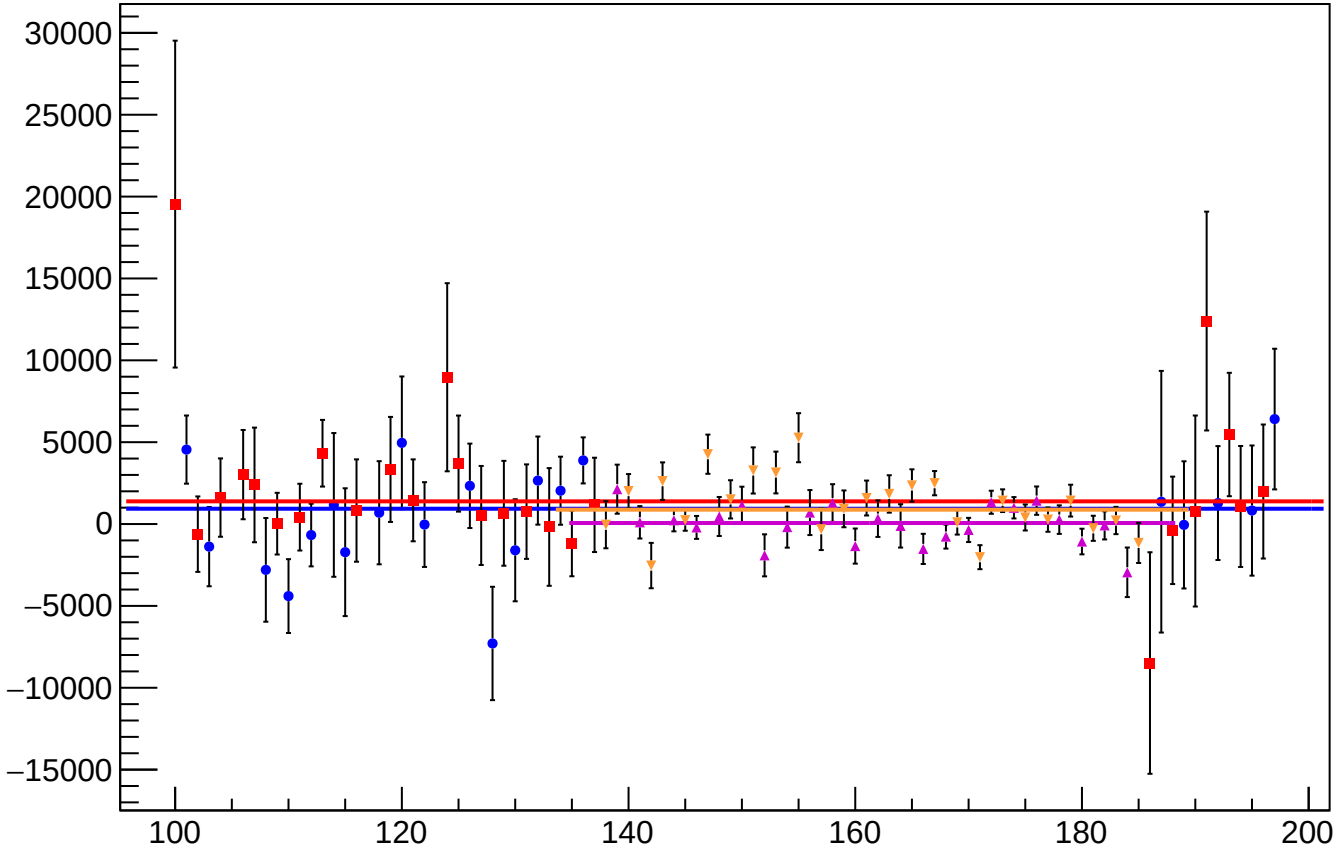
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

\+ sign 853.114+/-0.121 χ^2/NDF: 10148711.4/45

All: 855.987+/-0.086 χ^2/NDF: 21298666.4/94

\- sign 858.937+/-0.123 χ^2/NDF: 11148816.7/48

asym_sam3_mean vs Slug



Right In: 934.929+/-587.850 χ^2/NDF: 26.6/20

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1386.227+/-577.196 χ^2/NDF: 18.5/25

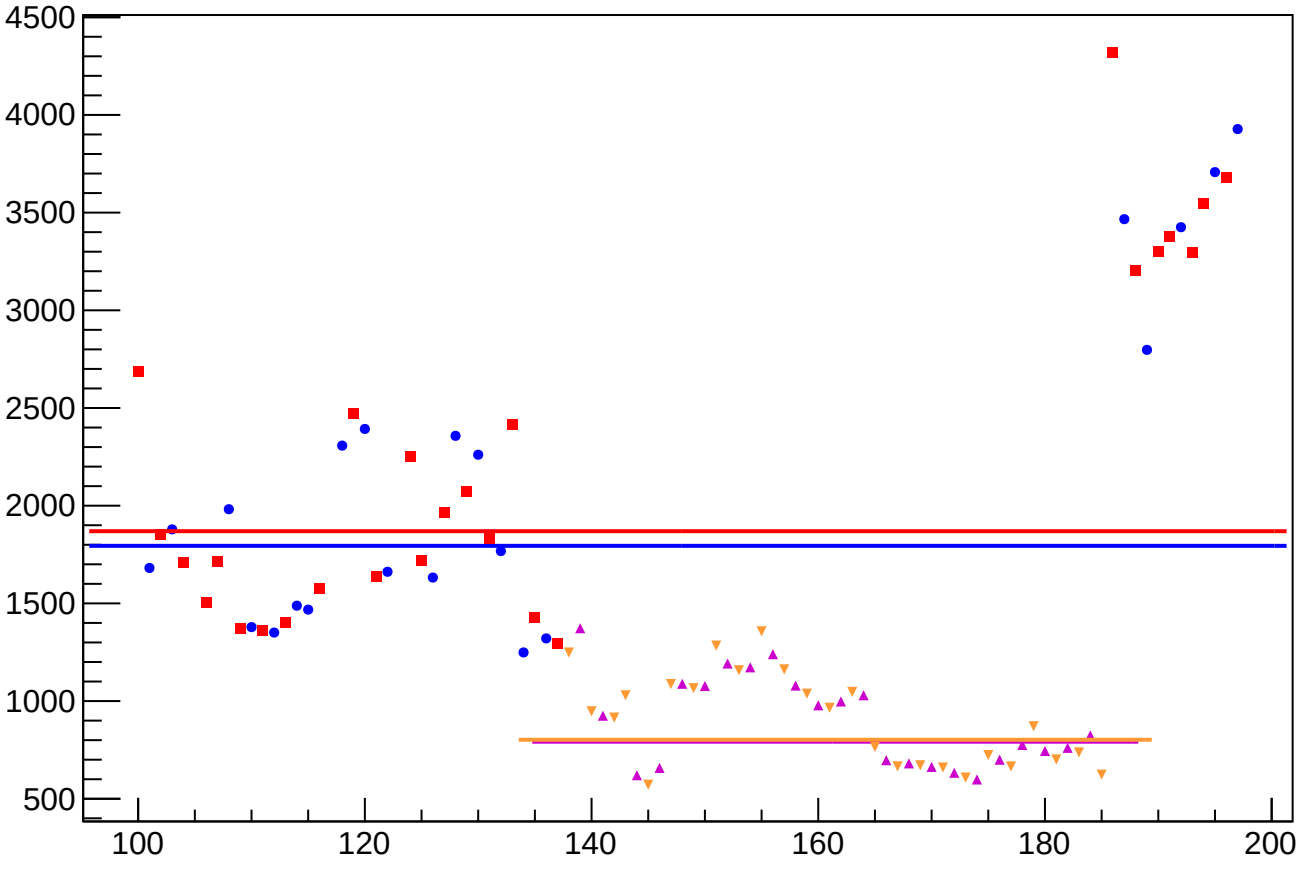
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 881.958+/-179.928 χ^2/NDF: 93.9/45

All: 541.669+/-127.899 χ^2/NDF: 151.5/94

- sign 194.109+/-181.840 χ^2/NDF: 50.3/48

asym_sam3_rms vs Slug



Right In: 1794.500+/-0.416 χ^2/NDF: 2403959.1/20

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

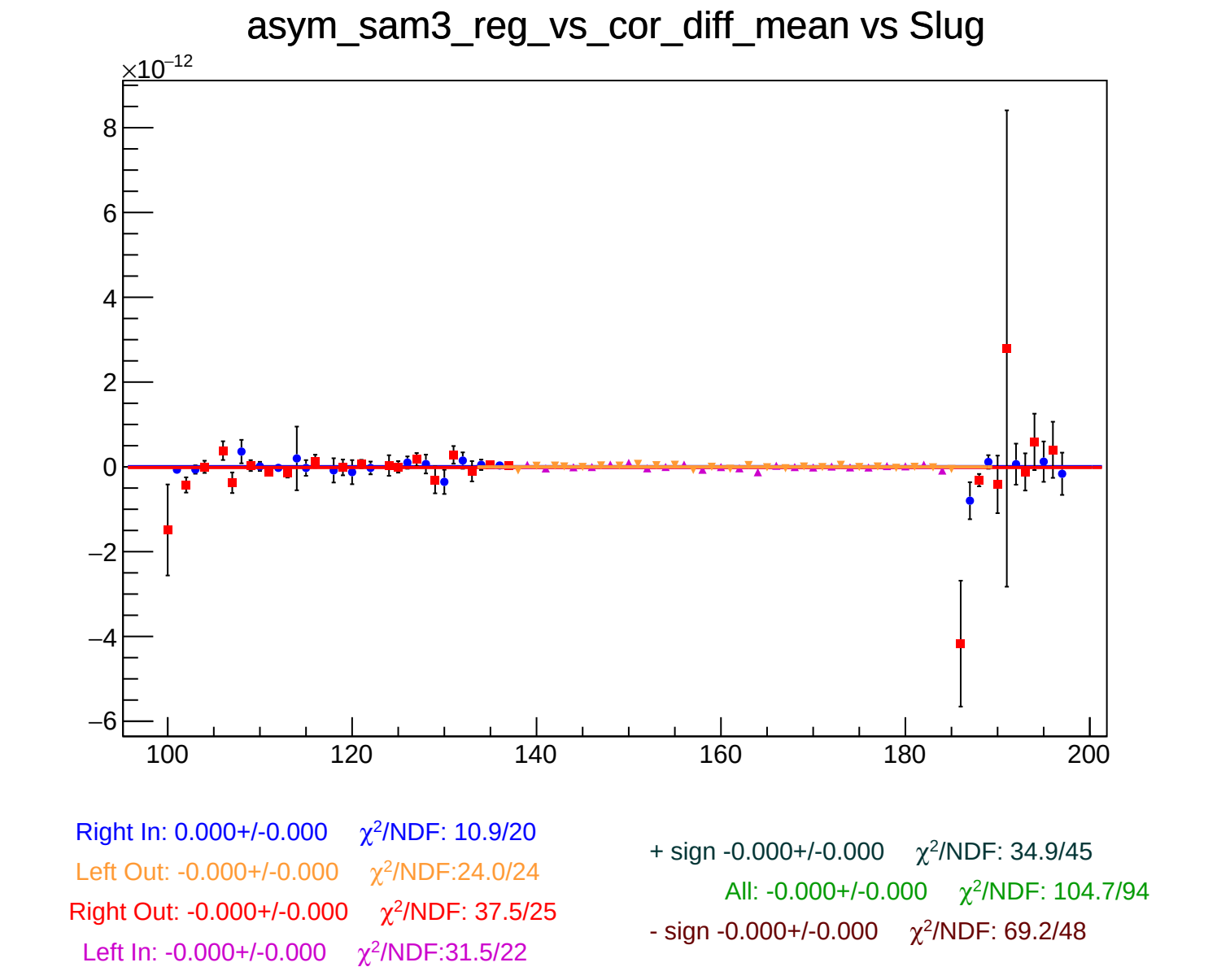
Right Out: 1869.483+/-0.408 χ^2/NDF: 2690338.7/25

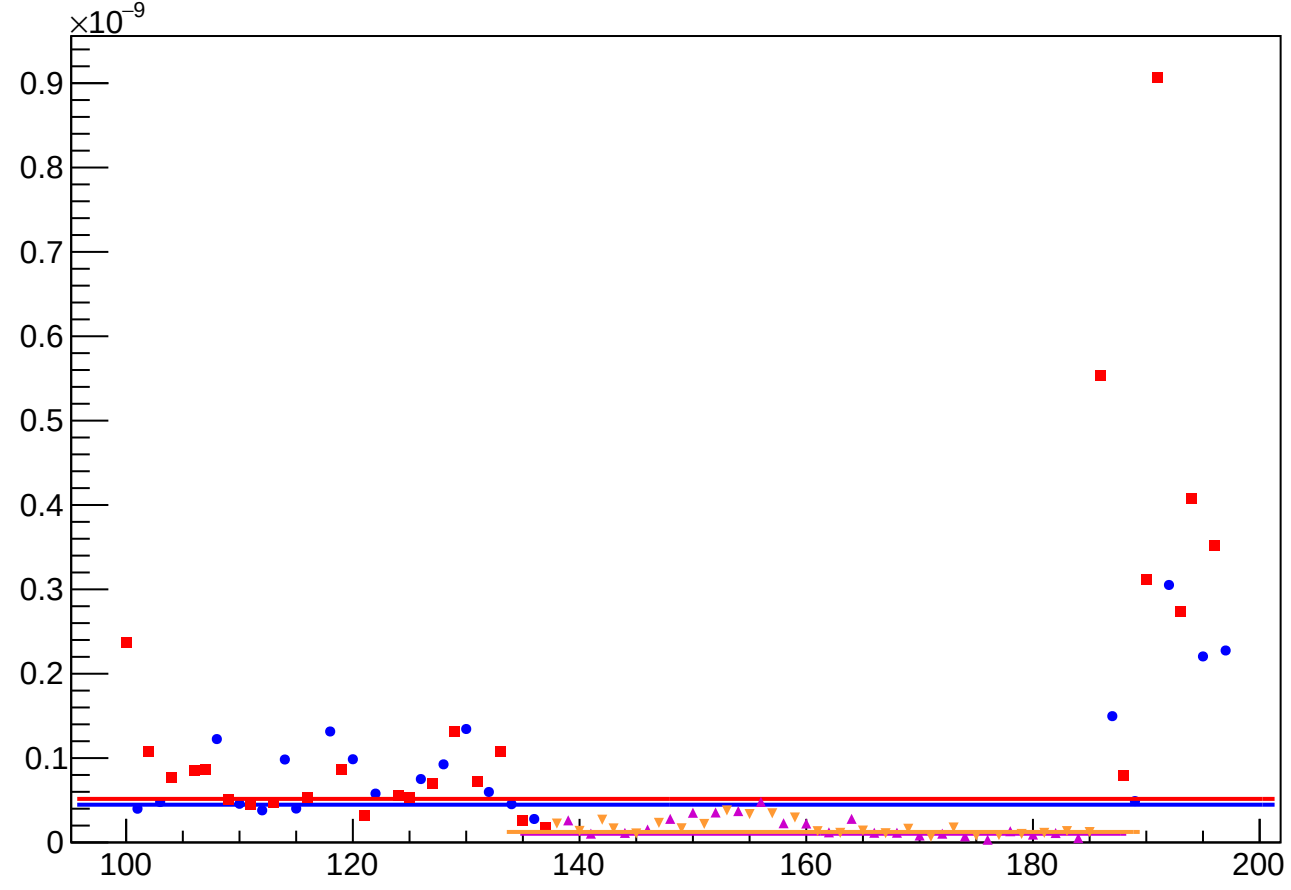
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 894.994+/-0.127 χ^2/NDF: 9966820.7/45

All: 896.973+/-0.090 χ^2/NDF: 21070343.9/94

- sign 898.995+/-0.129 χ^2/NDF: 11103033.9/48


asym_sam3_reg_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 10.9/20
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 37.5/25
Left In: -0.000+/-0.000 χ²/NDF:31.5/22
+ sign -0.000+/-0.000 χ²/NDF: 34.9/45
All: -0.000+/-0.000 χ²/NDF: 104.7/94
- sign -0.000+/-0.000 χ²/NDF: 69.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 2402944.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3595013.7/25

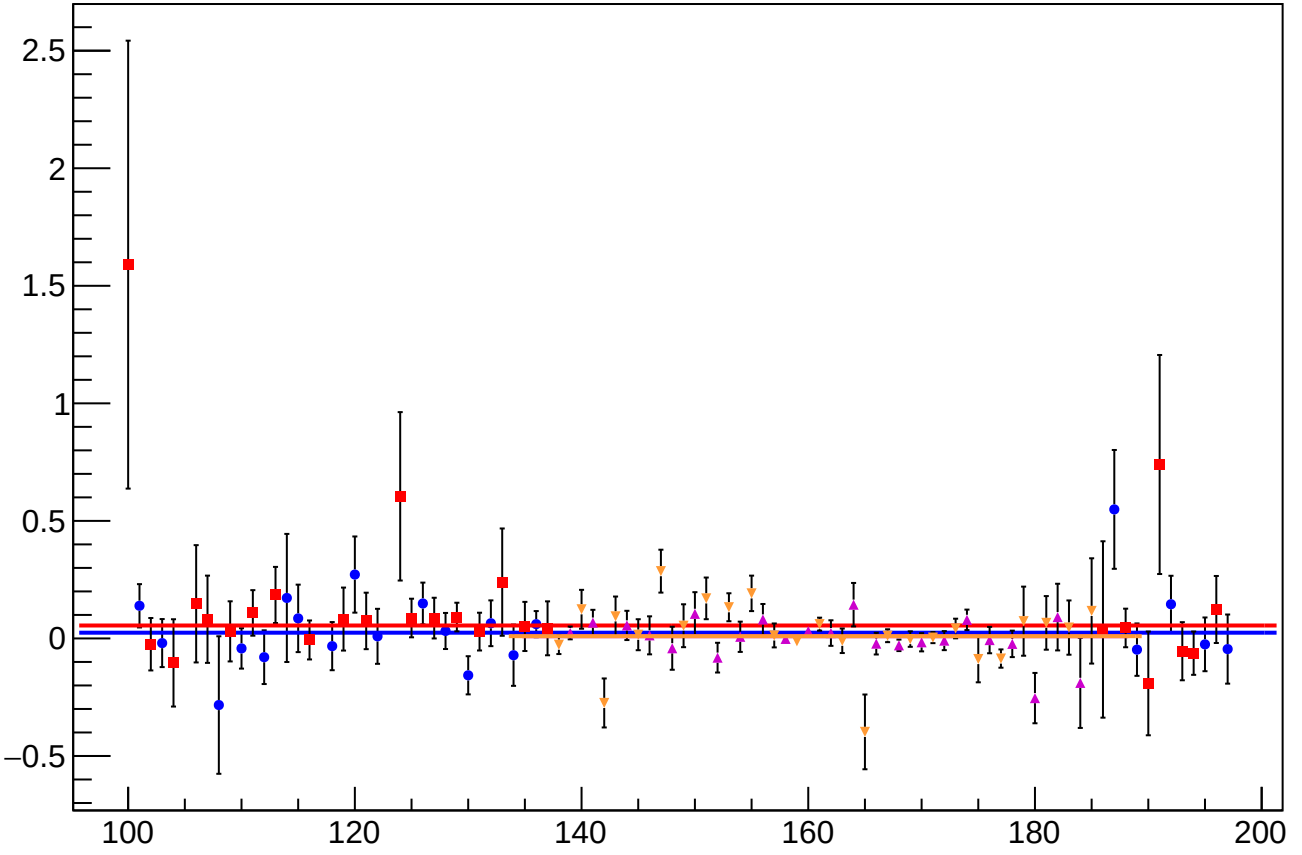
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7423716.7/45

All: 0.000+/-0.000 χ^2/NDF: 18714883.0/94

- sign 0.000+/-0.000 χ^2/NDF: 11090324.0/48

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.023 χ^2/NDF: 21.6/20

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.055+/-0.022 χ^2/NDF: 16.0/25

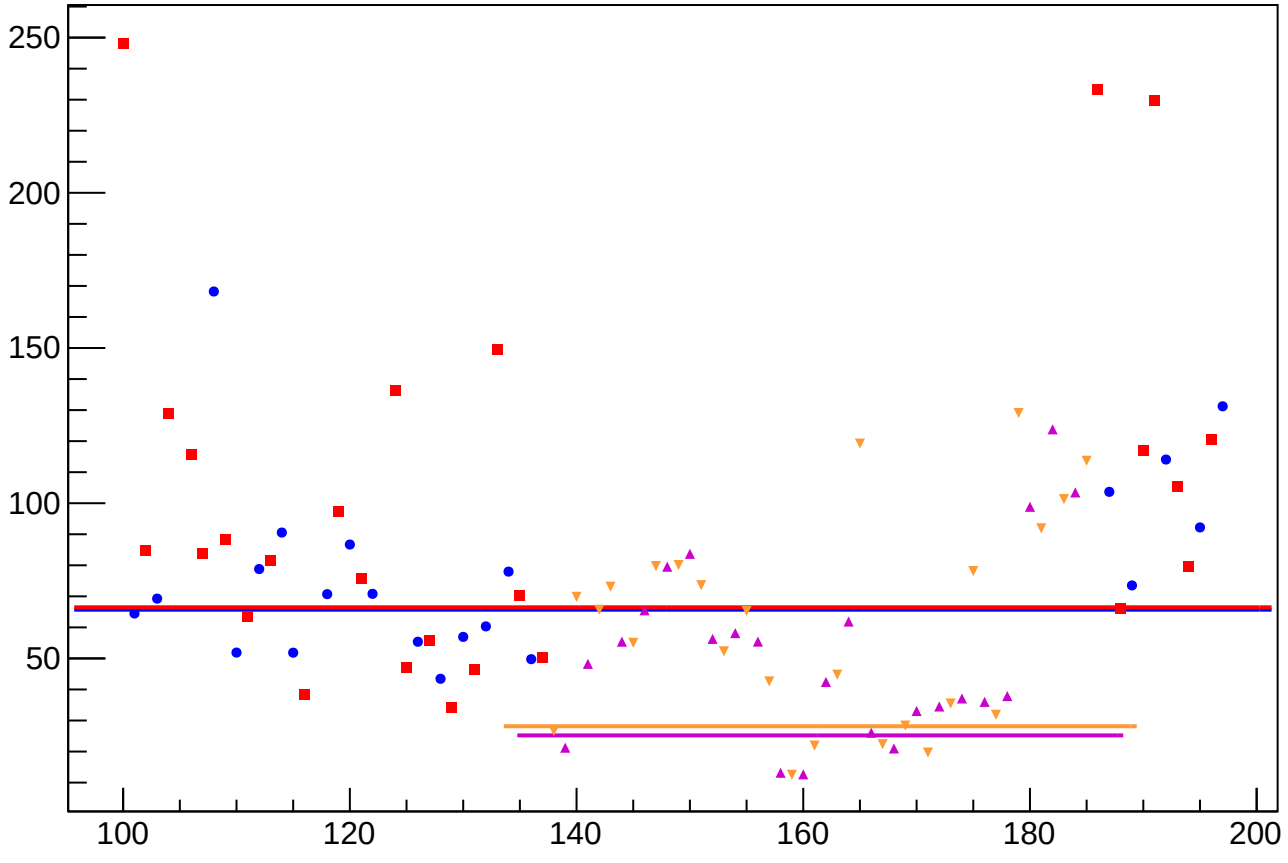
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 76.7/45

All: 0.013+/-0.005 χ^2/NDF: 121.5/94

- sign 0.015+/-0.007 χ^2/NDF: 44.8/48

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 65.704+/-0.016 χ^2/NDF: 1690092.3/20

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 66.467+/-0.016 χ^2/NDF: 3370120.0/25

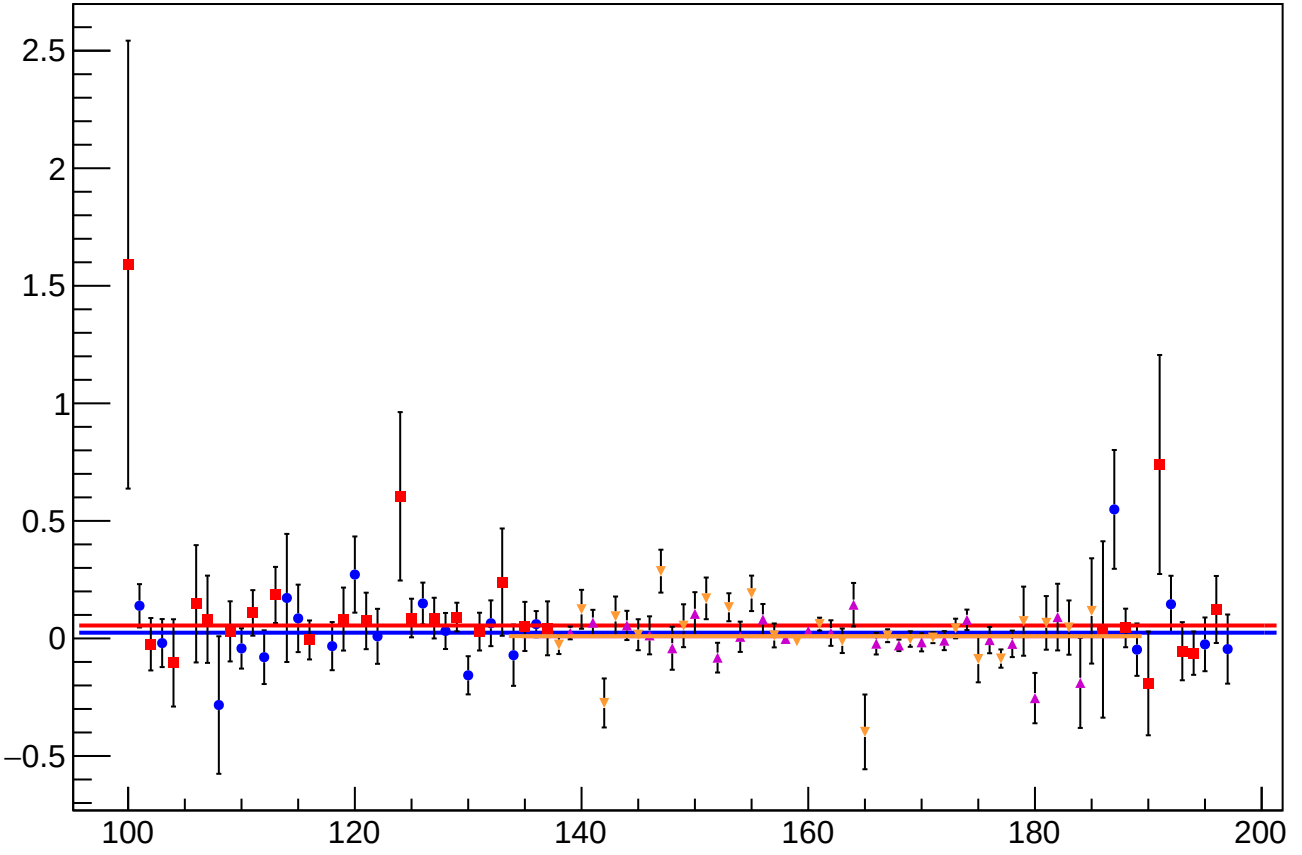
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

\+ sign 32.706+/-0.006 χ^2/NDF: 17543638.5/45

All: 31.149+/-0.004 χ^2/NDF: 37015268.8/94

\- sign 29.765+/-0.005 χ^2/NDF: 19325833.1/48

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.023 χ^2/NDF: 21.6/20

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.055+/-0.022 χ^2/NDF: 16.0/25

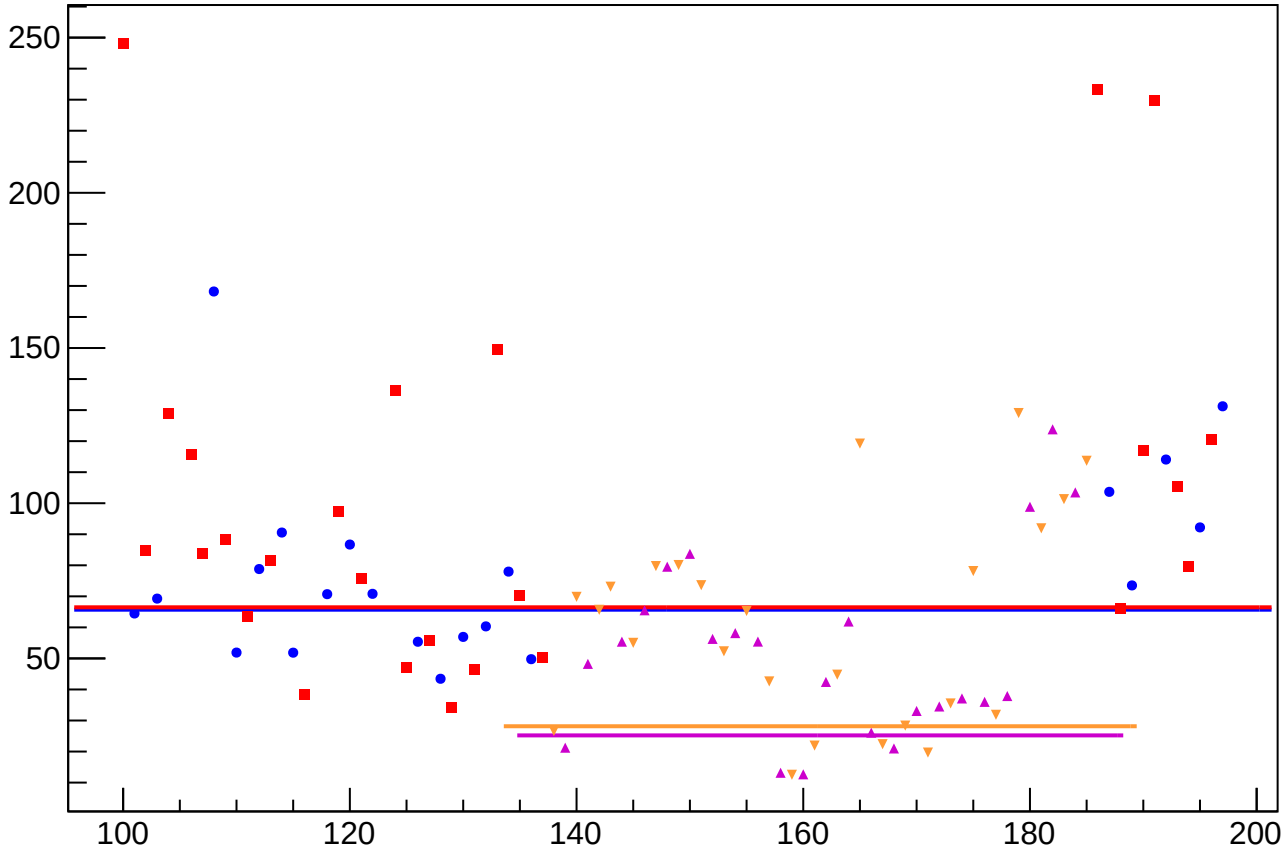
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 76.7/45

All: 0.013+/-0.005 χ^2/NDF: 121.5/94

- sign 0.015+/-0.007 χ^2/NDF: 44.8/48

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.704+/-0.016 χ^2/NDF: 1690092.3/20

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 66.467+/-0.016 χ^2/NDF: 3370120.0/25

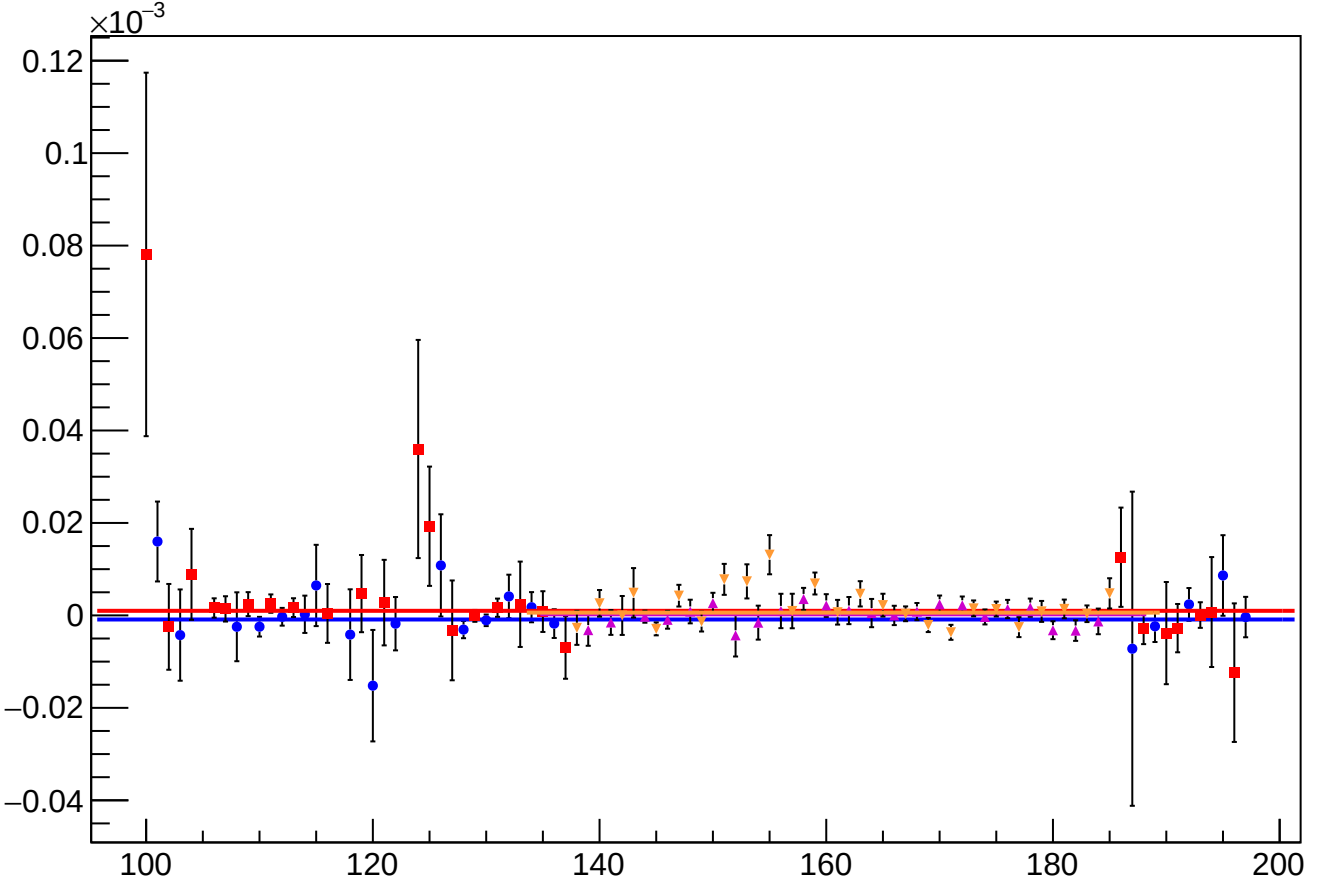
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

\+ sign 32.706+/-0.006 χ^2/NDF: 17543638.5/45

All: 31.149+/-0.004 χ^2/NDF: 37015268.8/94

\- sign 29.765+/-0.005 χ^2/NDF: 19325833.1/48

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/25

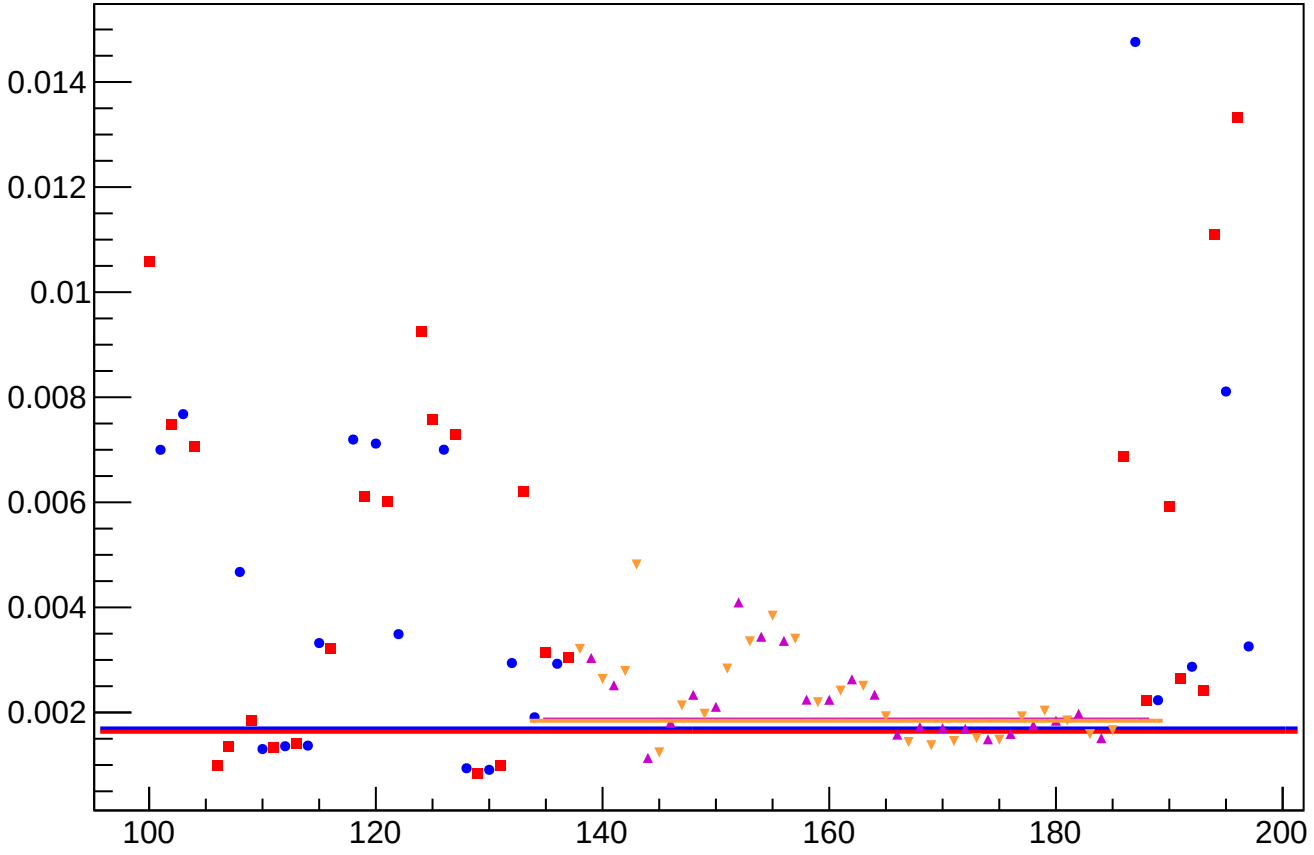
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.2/45

All: 0.000+/-0.000 χ^2/NDF: 103.7/94

- sign 0.000+/-0.000 χ^2/NDF: 34.2/48

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7196227.0/20

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9503370.0/25

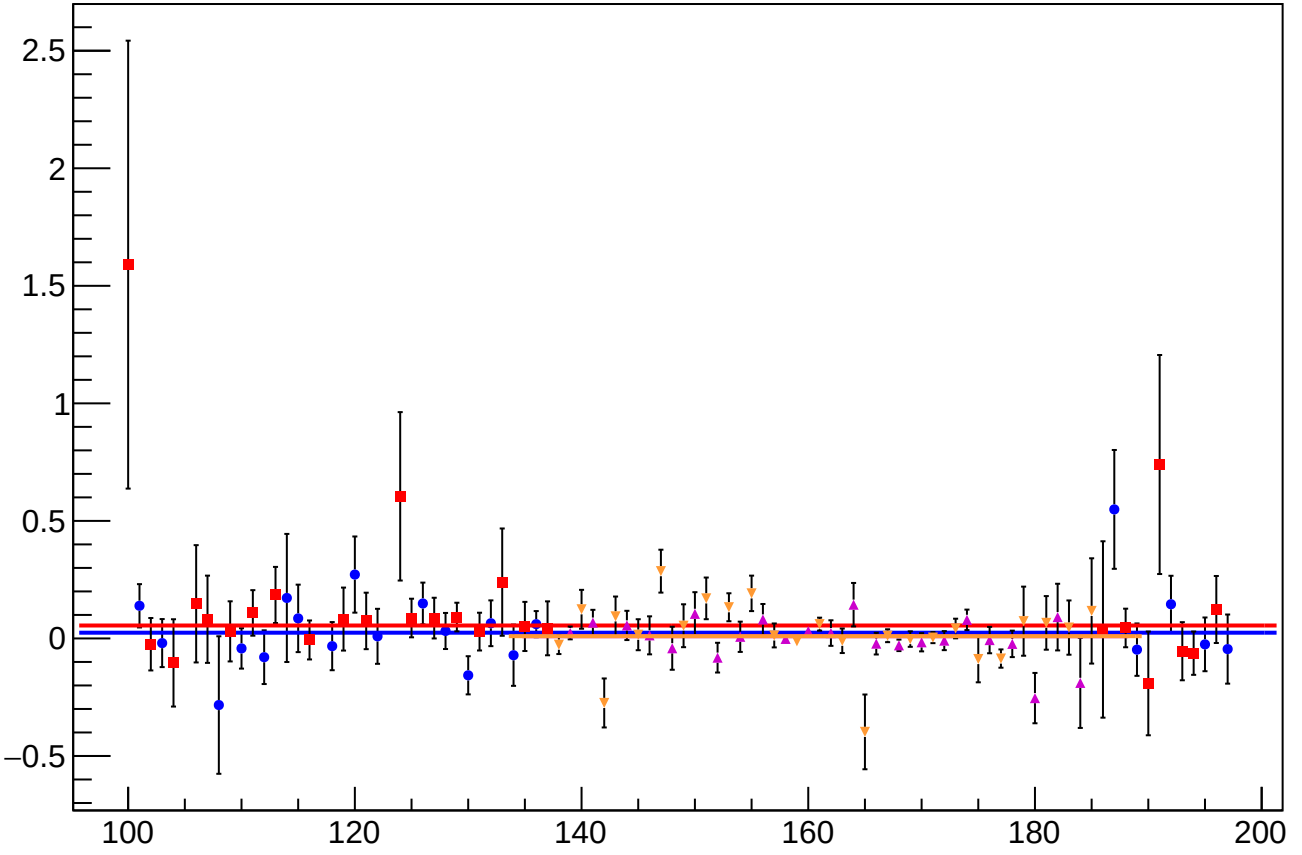
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 11042937.0/45

All: 0.002+/-0.000 χ^2/NDF: 23510159.7/94

- sign 0.002+/-0.000 χ^2/NDF: 12466184.2/48

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.023 χ^2/NDF: 21.6/20

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.055+/-0.022 χ^2/NDF: 16.0/25

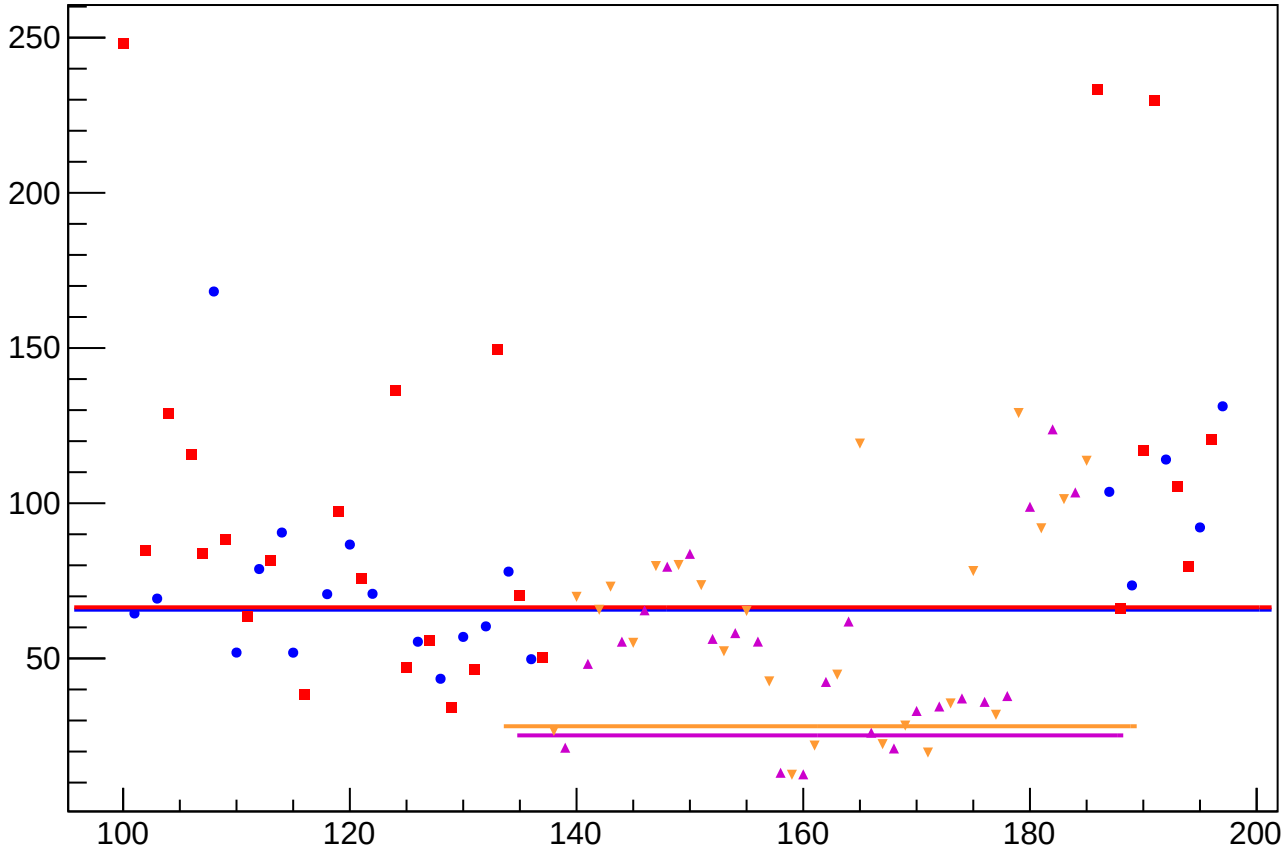
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 76.7/45

All: 0.013+/-0.005 χ^2/NDF: 121.5/94

- sign 0.015+/-0.007 χ^2/NDF: 44.8/48

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 65.705+/-0.016 χ^2/NDF: 1690066.1/20

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 66.468+/-0.016 χ^2/NDF: 3370145.3/25

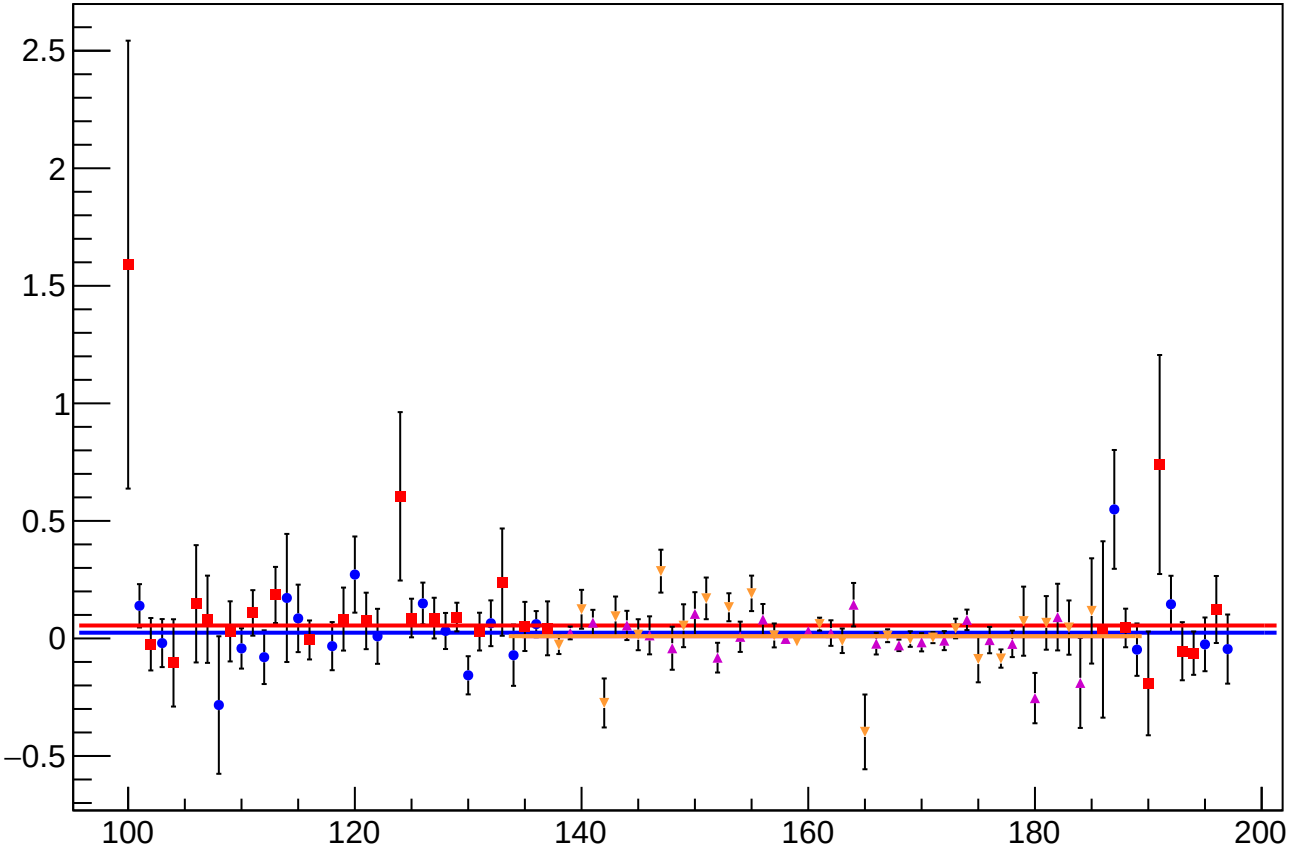
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 32.705+/-0.006 χ^2/NDF: 17545058.9/45

All: 31.148+/-0.004 χ^2/NDF: 37017400.0/94

- sign 29.764+/-0.005 χ^2/NDF: 19326626.7/48

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.023 χ^2/NDF: 21.6/20

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.055+/-0.022 χ^2/NDF: 16.0/25

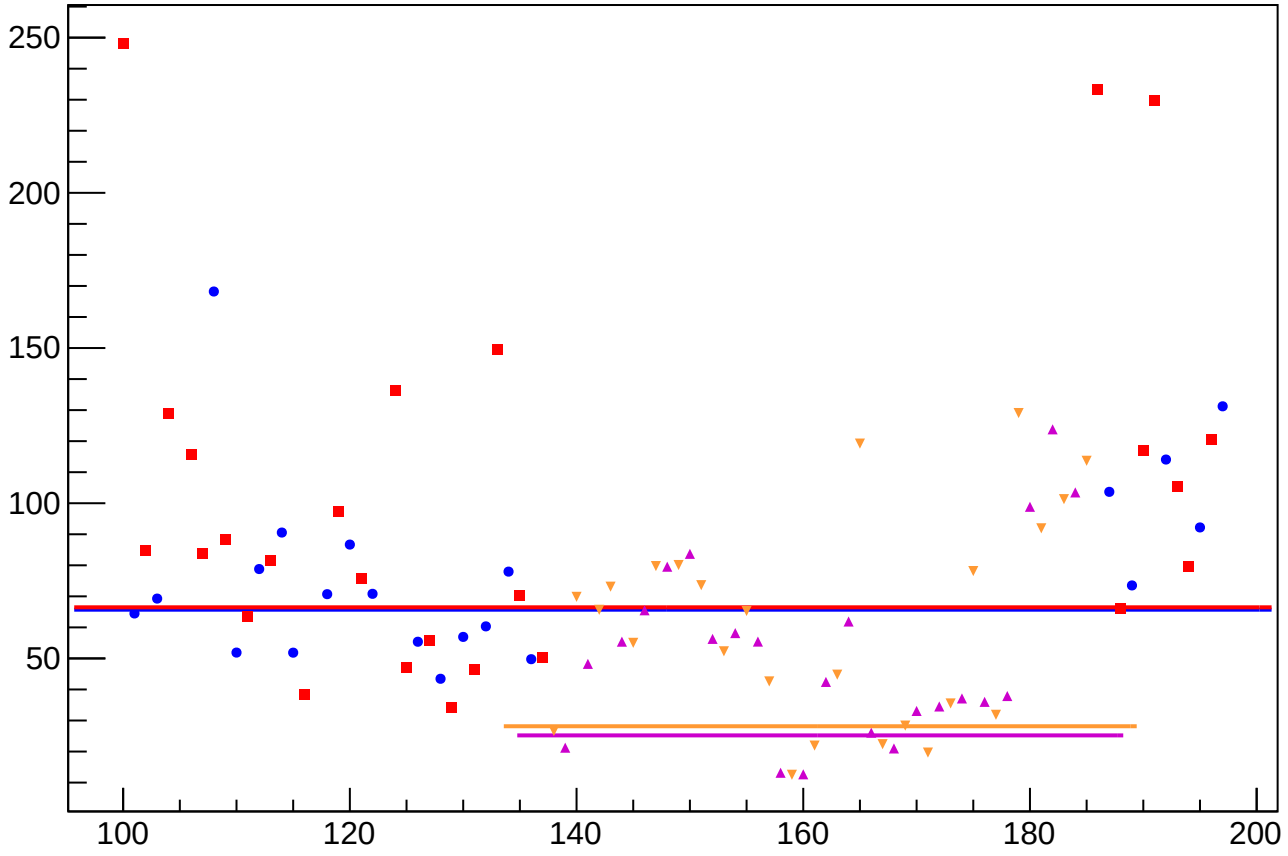
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 76.7/45

All: 0.013+/-0.005 χ^2/NDF: 121.5/94

- sign 0.015+/-0.007 χ^2/NDF: 44.8/48

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.705+/-0.016 χ^2/NDF: 1690066.1/20

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

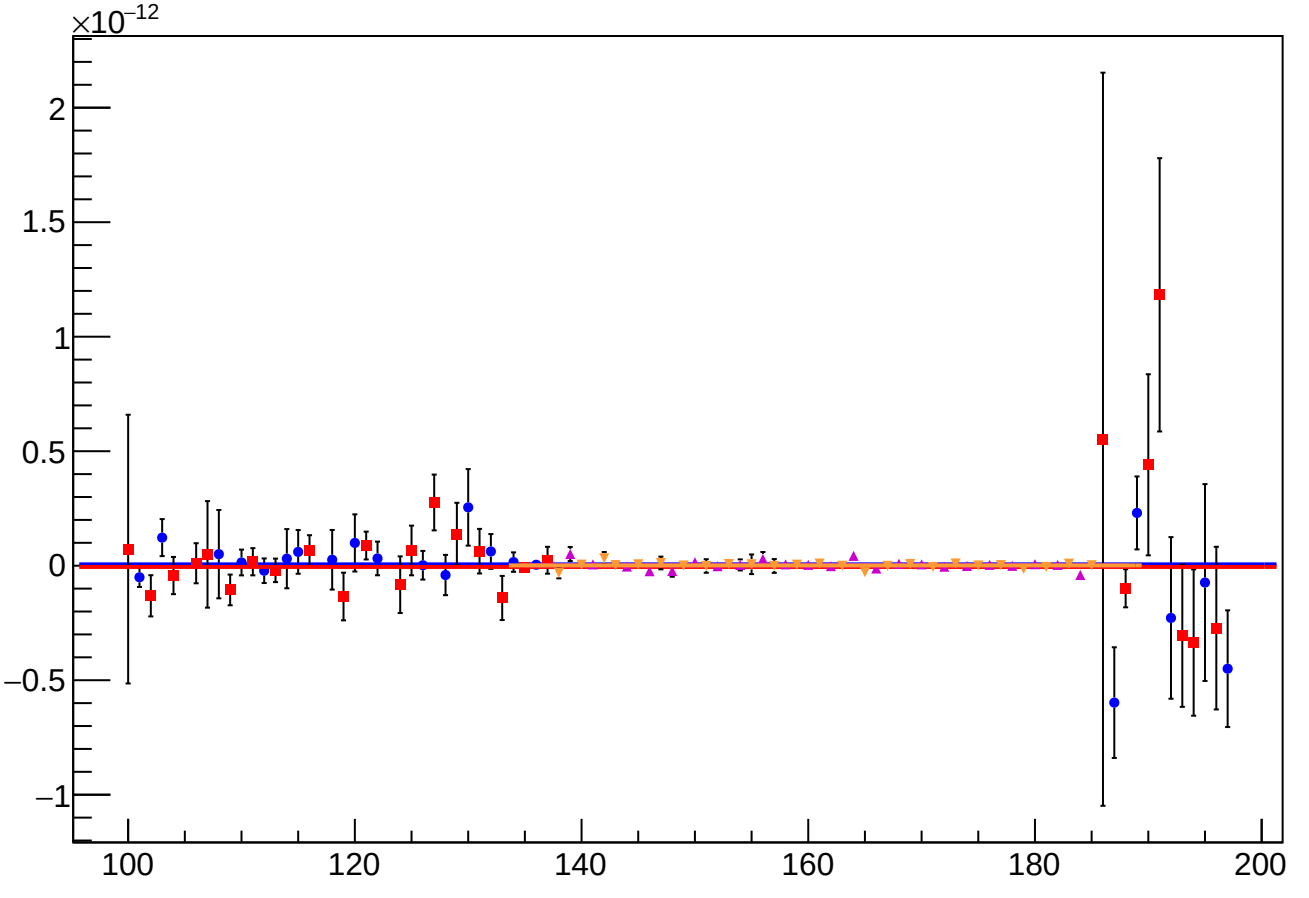
Right Out: 66.468+/-0.016 χ^2/NDF: 3370145.3/25

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 32.705+/-0.006 χ^2/NDF: 17545058.9/45

All: 31.148+/-0.004 χ^2/NDF: 37017400.0/94

\- sign 29.764+/-0.005 χ^2/NDF: 19326626.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

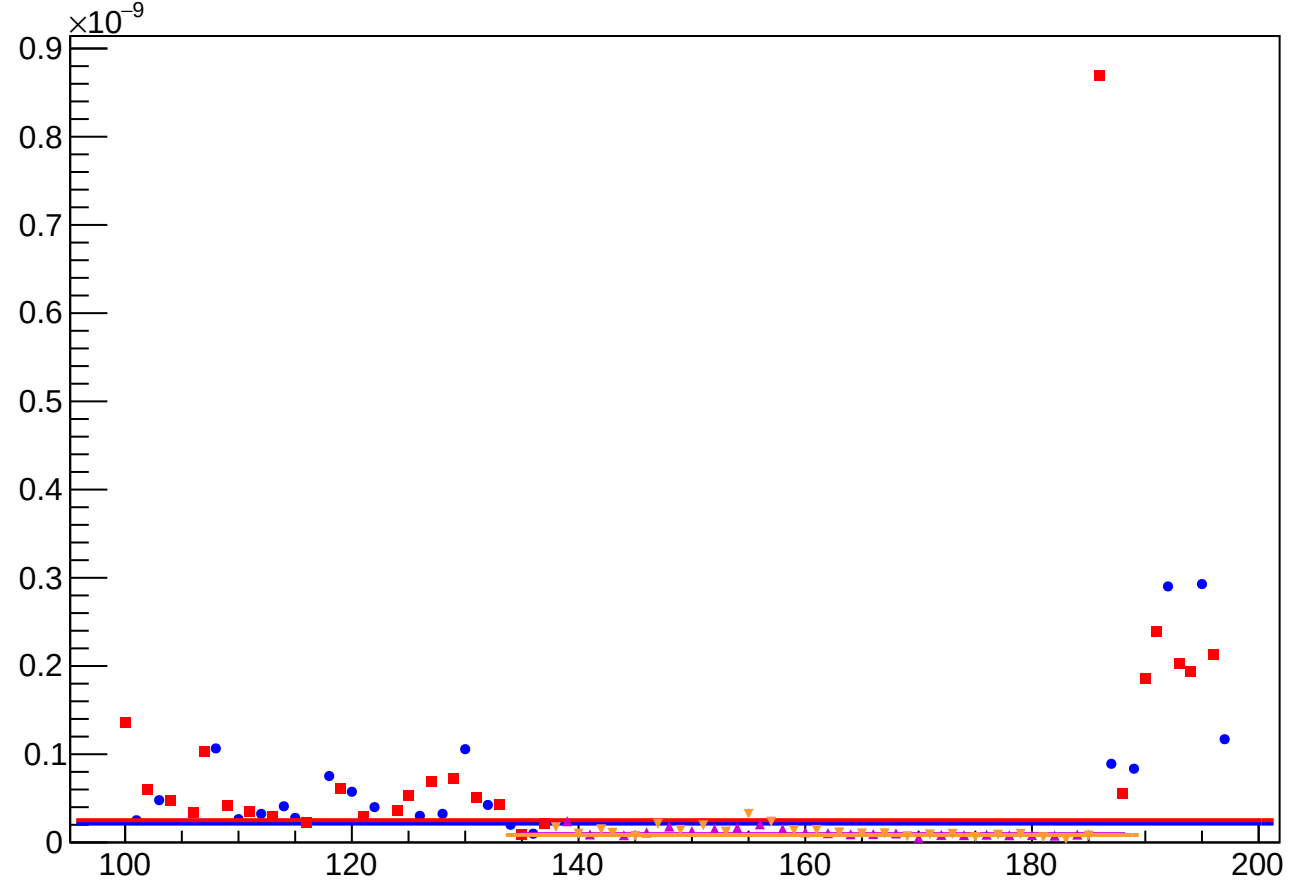
Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/25

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.7/45

All: 0.000+/-0.000 χ^2/NDF: 81.7/94

- sign 0.000+/-0.000 χ^2/NDF: 50.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 5846821.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6756855.6/25

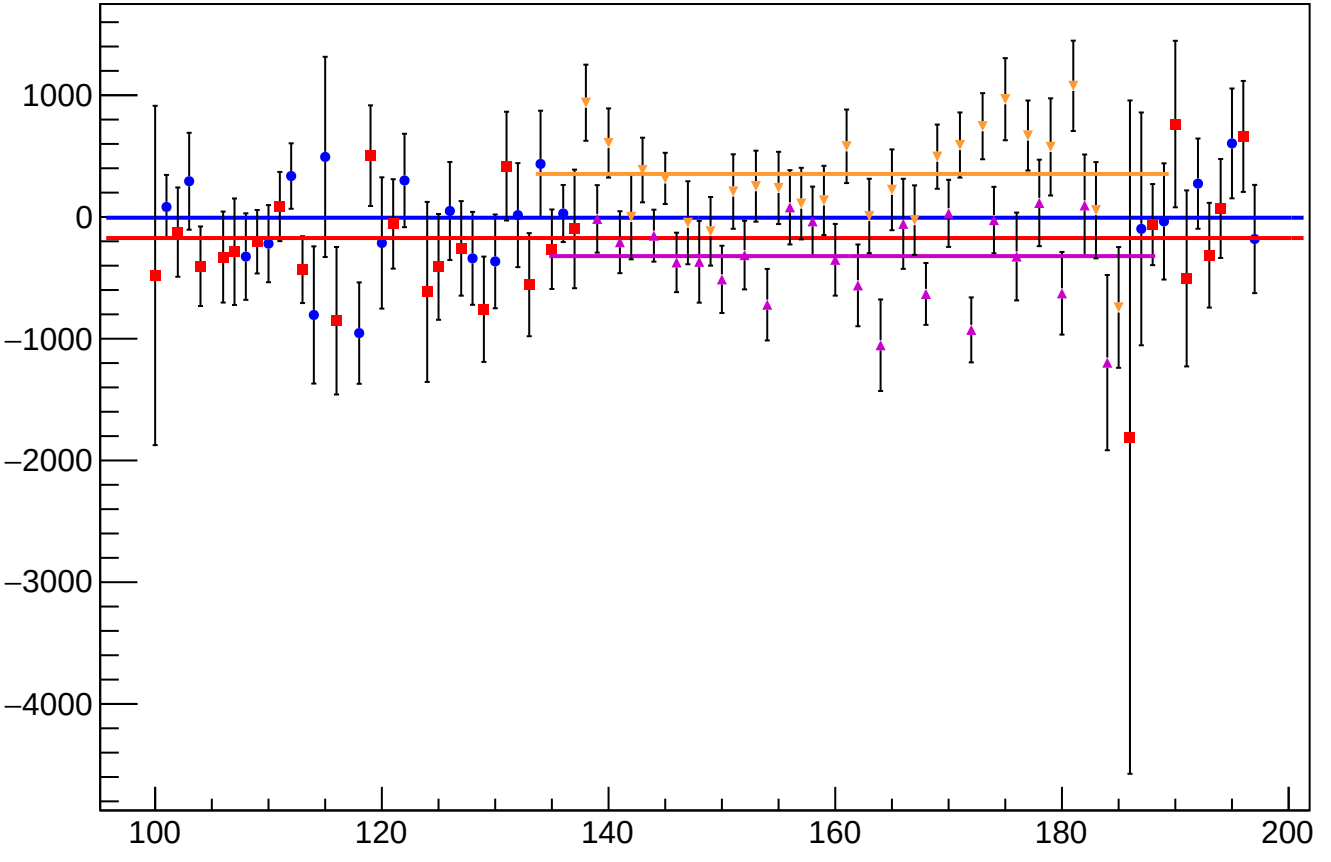
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12371095.6/45

All: 0.000+/-0.000 χ^2/NDF: 24120195.5/94

- sign 0.000+/-0.000 χ^2/NDF: 11610021.0/48

reg_asym_sam4_mean vs Slug



Right In: -6.272+/-83.182 χ^2/NDF: 17.2/20

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -173.043+/-79.336 χ^2/NDF: 18.2/25

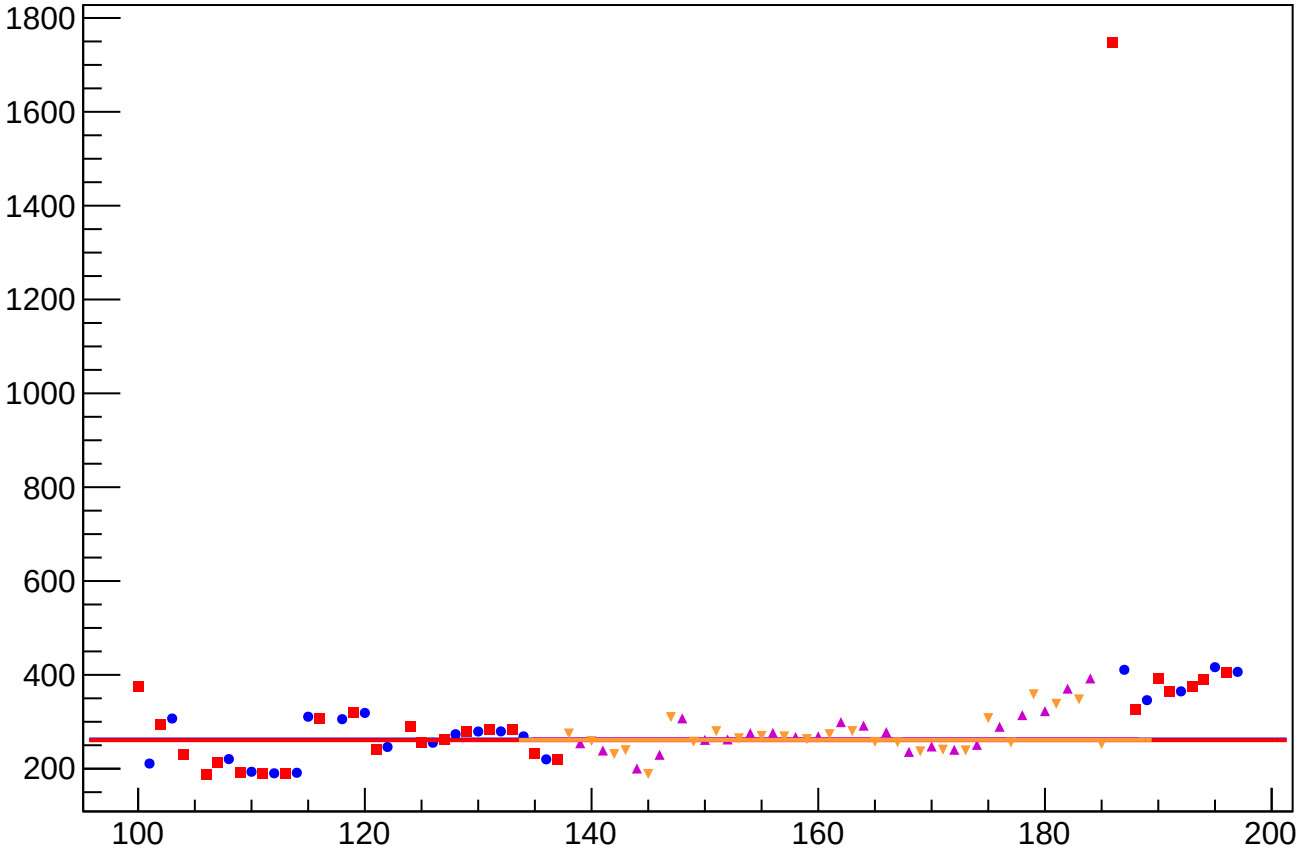
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 230.051+/-48.741 χ^2/NDF: 61.8/45

All: -16.678+/-34.524 χ^2/NDF: 159.8/94

- sign -265.089+/-48.907 χ^2/NDF: 46.5/48

reg_asym_sam4_rms vs Slug



Right In: 262.166+/-0.059 χ^2/NDF: 1234552.3/20

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 260.783+/-0.056 χ^2/NDF: 1969187.1/25

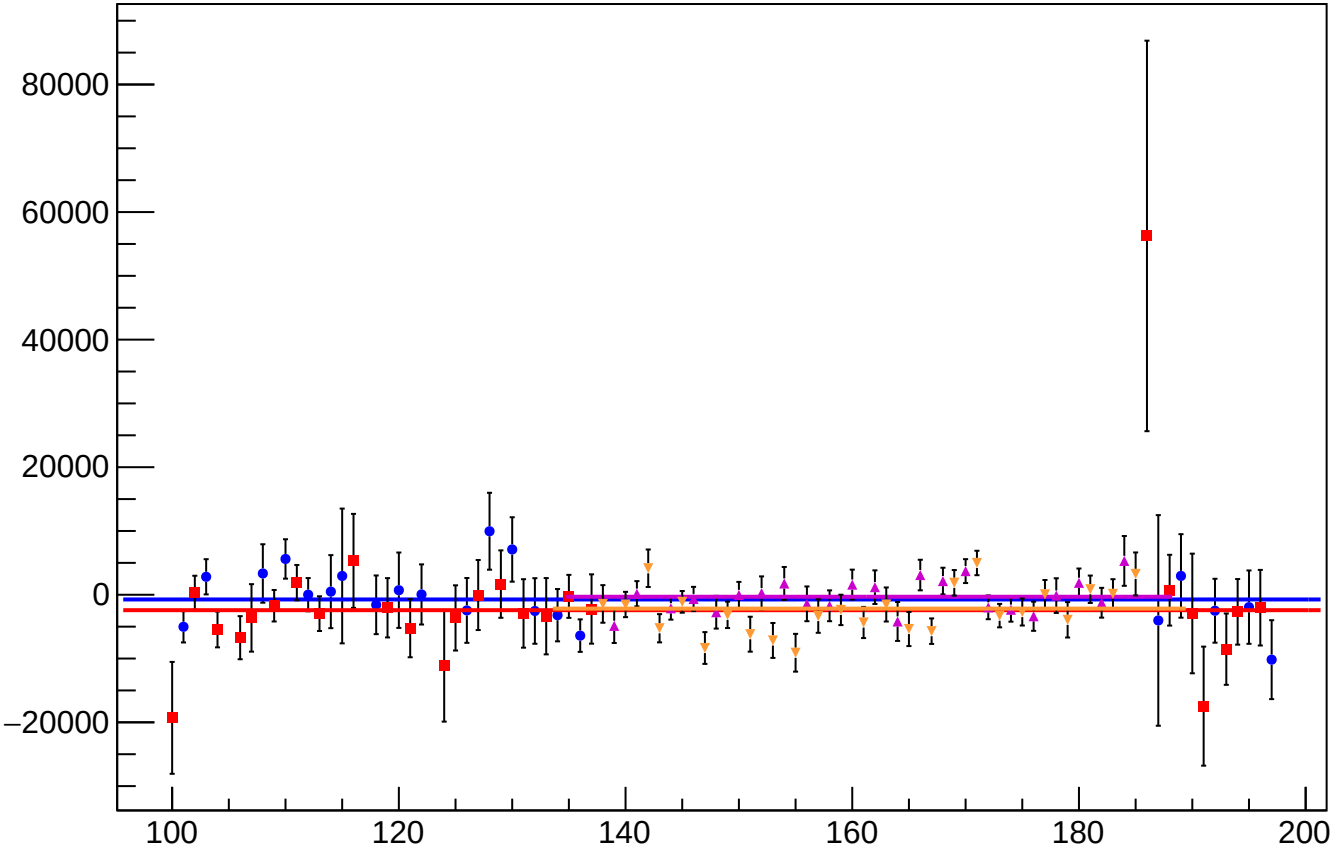
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 261.709+/-0.034 χ^2/NDF: 1950112.3/45

All: 261.814+/-0.024 χ^2/NDF: 4590626.1/94

- sign 261.920+/-0.035 χ^2/NDF: 2640495.2/48

asym_sam4_reg_correction_mean vs Slug



Right In: -736.846+/-899.037 χ^2/NDF: 24.1/20

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2418.459+/-843.541 χ^2/NDF: 21.7/25

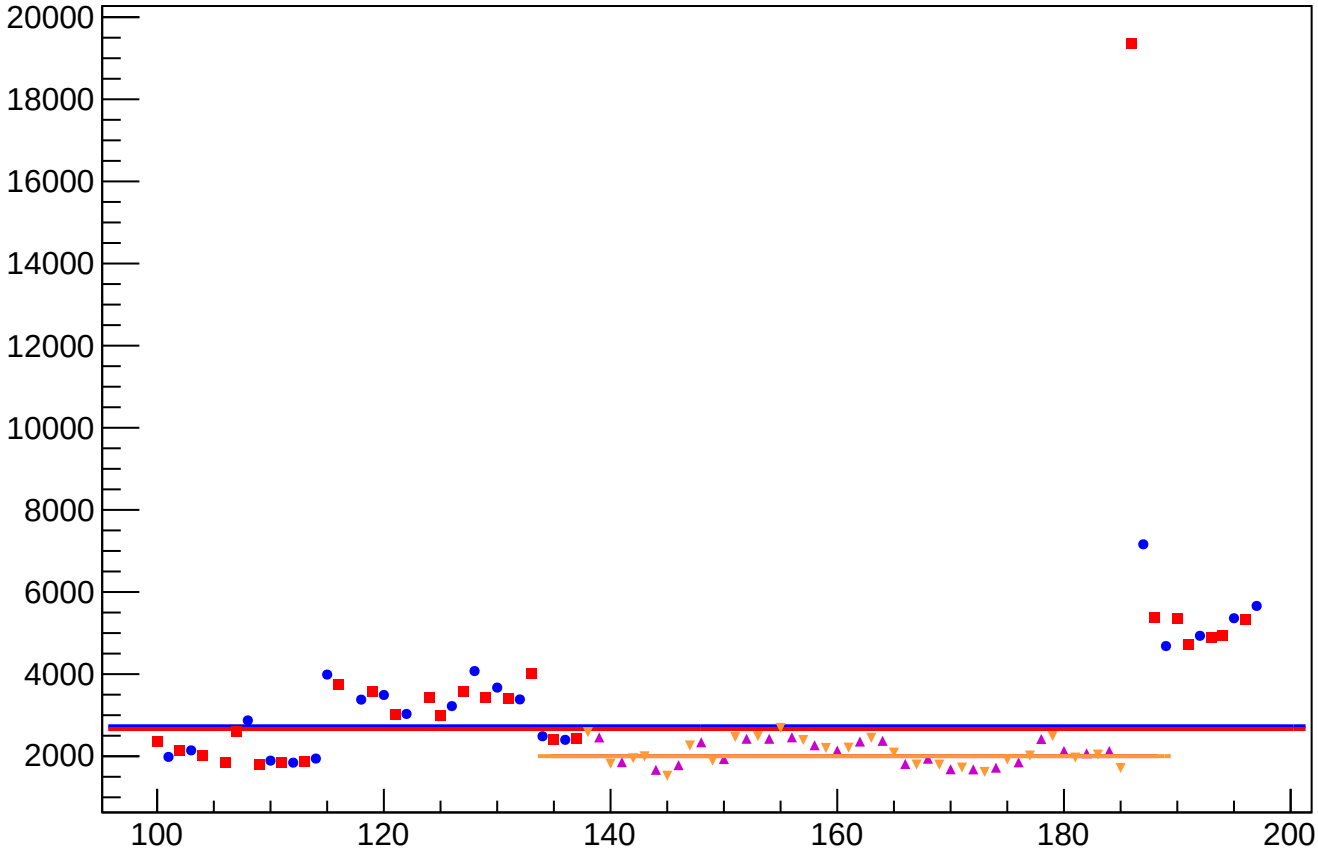
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1872.418+/-410.671 χ^2/NDF: 81.6/45

All: -1349.035+/-291.309 χ^2/NDF: 135.0/94

- sign -818.964+/-413.287 χ^2/NDF: 50.1/48

asym_sam4_reg_correction_rms vs Slug



Right In: 2729.693+/-0.636 χ^2/NDF: 2639932.7/20

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2663.203+/-0.596 χ^2/NDF: 3752184.3/25

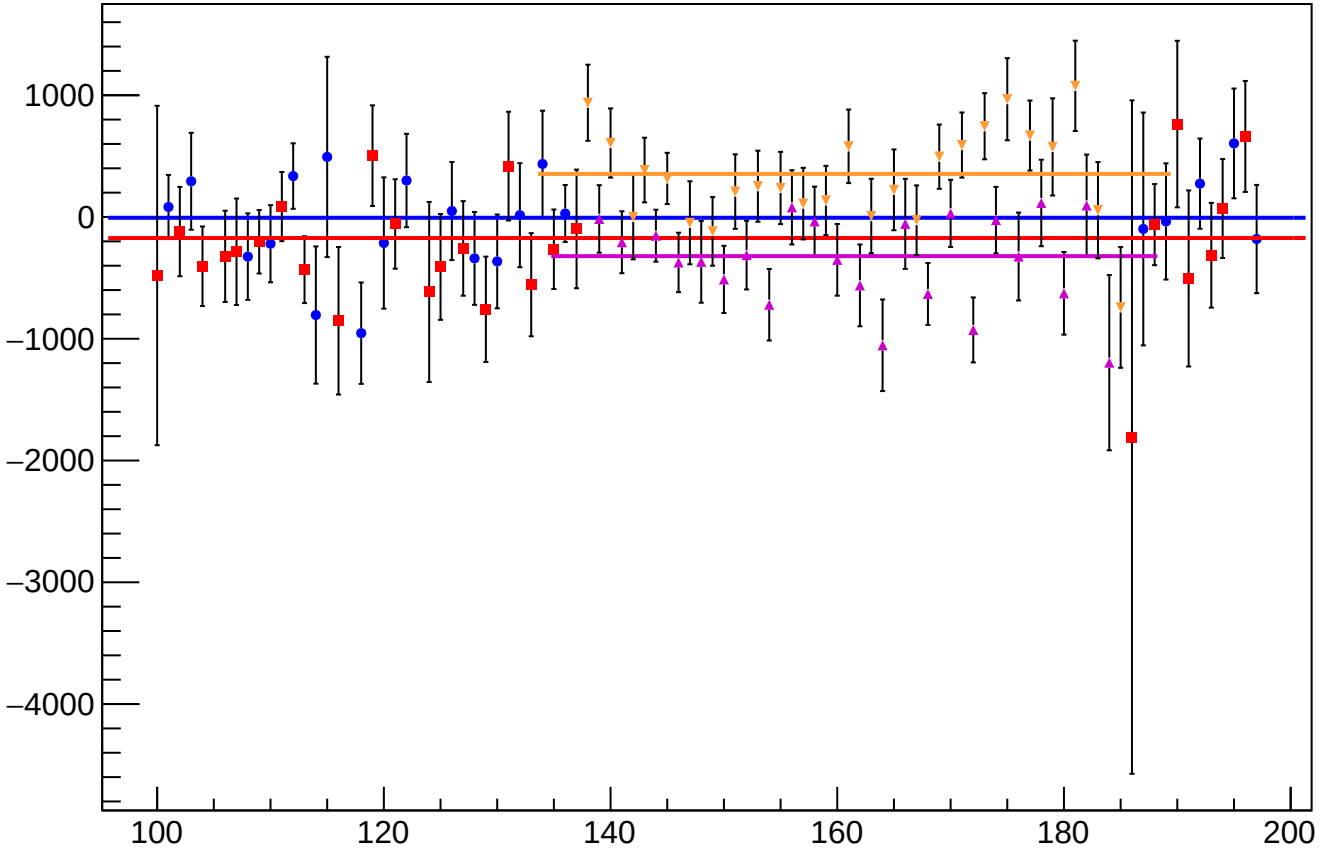
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2154.020+/-0.290 χ^2/NDF: 4568887.1/45

All: 2158.195+/-0.206 χ^2/NDF: 9953926.9/94

- sign 2162.423+/-0.292 χ^2/NDF: 5384623.8/48

cor_asym_sam4_mean vs Slug



Right In: -6.287+/-83.182 χ^2/NDF: 17.2/20

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -172.497+/-79.346 χ^2/NDF: 18.1/25

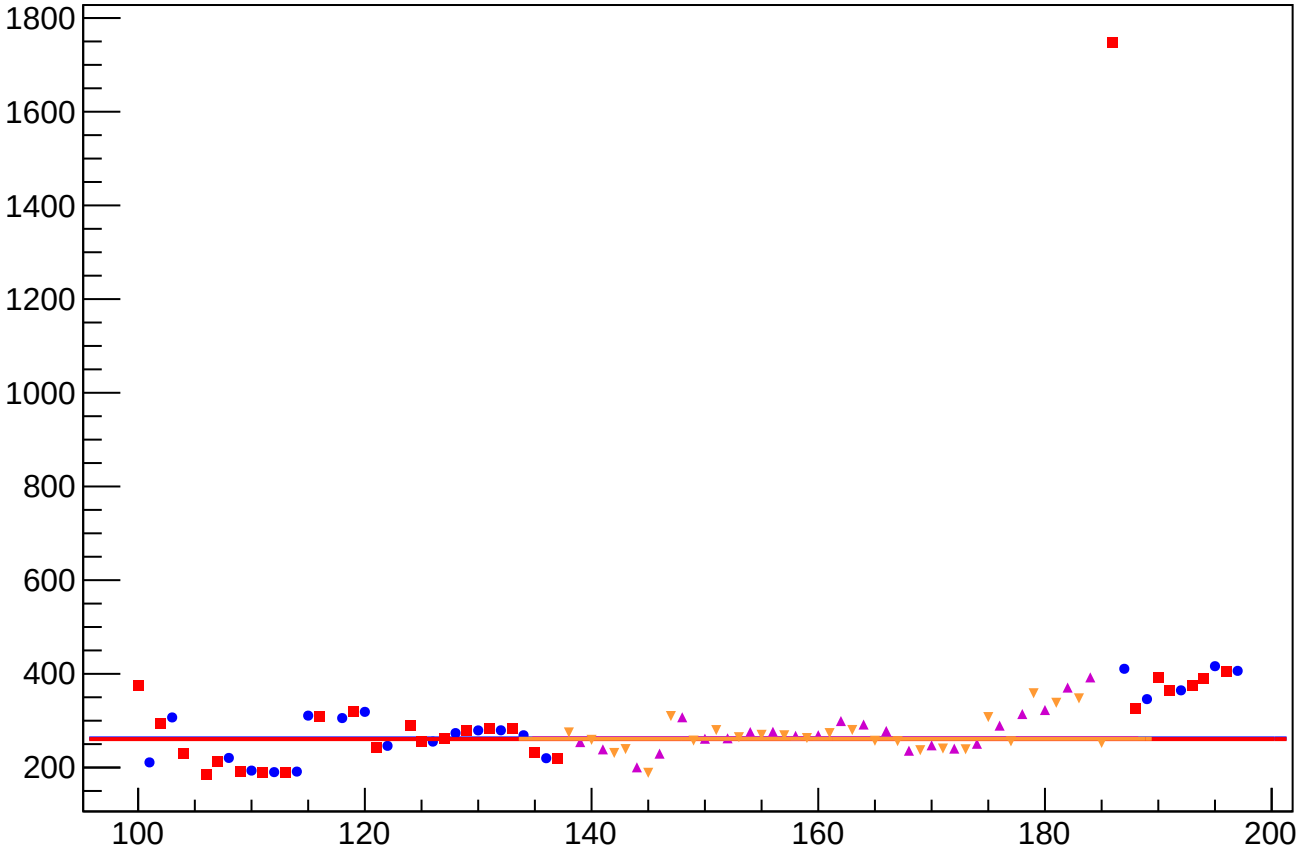
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 230.061+/-48.741 χ^2/NDF: 61.8/45

All: -16.563+/-34.525 χ^2/NDF: 159.7/94

- sign -264.894+/-48.909 χ^2/NDF: 46.5/48

cor_asym_sam4_rms vs Slug



Right In: 262.166+/-0.059 χ^2/NDF: 1234554.0/20

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 260.691+/-0.056 χ^2/NDF: 1974290.0/25

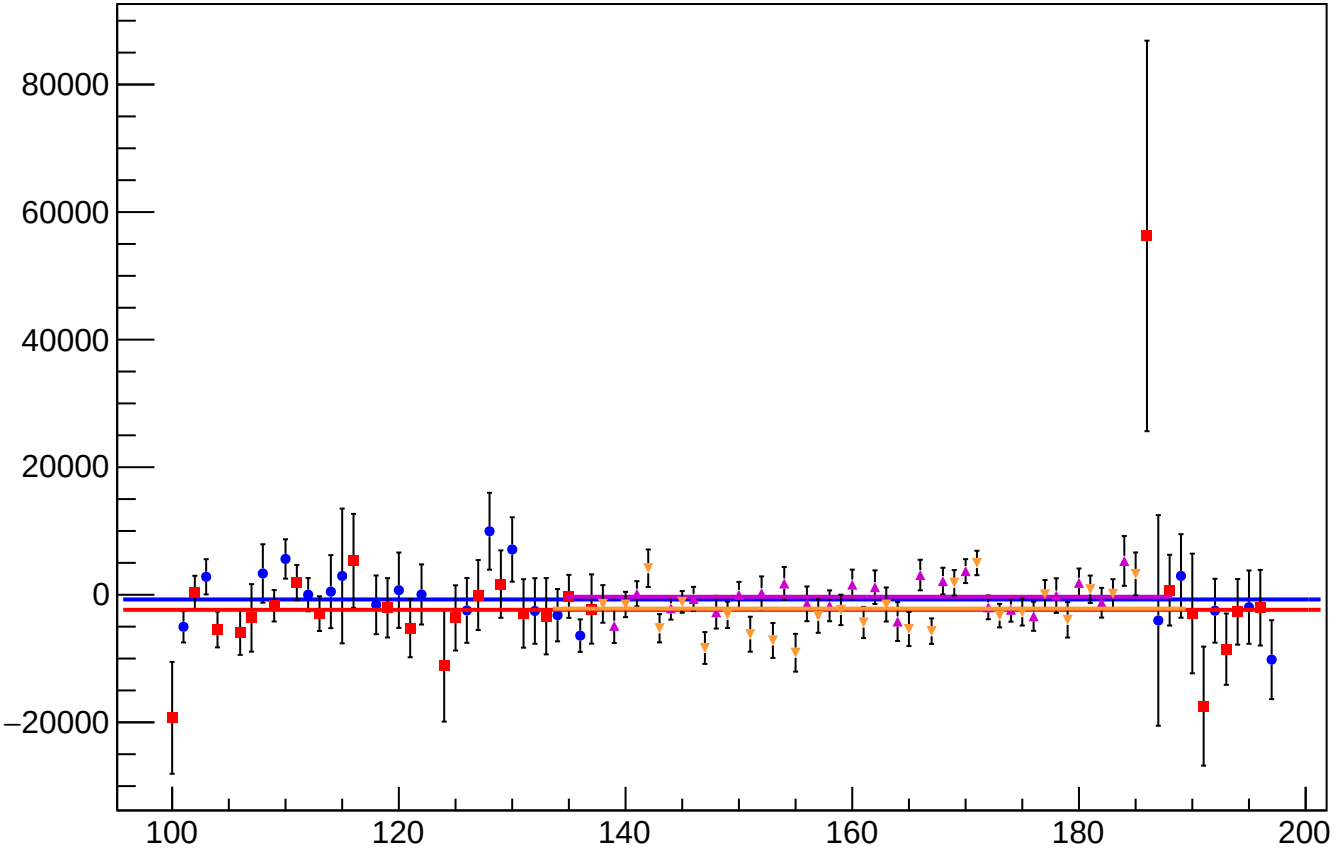
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 261.709+/-0.034 χ^2/NDF: 1950114.1/45

All: 261.796+/-0.024 χ^2/NDF: 4595793.6/94

- sign 261.885+/-0.035 χ^2/NDF: 2645666.6/48

asym_sam4_cor_correction_mean vs Slug



Right In: -737.004+/-899.044 χ^2/NDF: 24.1/20

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2359.359+/-844.960 χ^2/NDF: 21.1/25

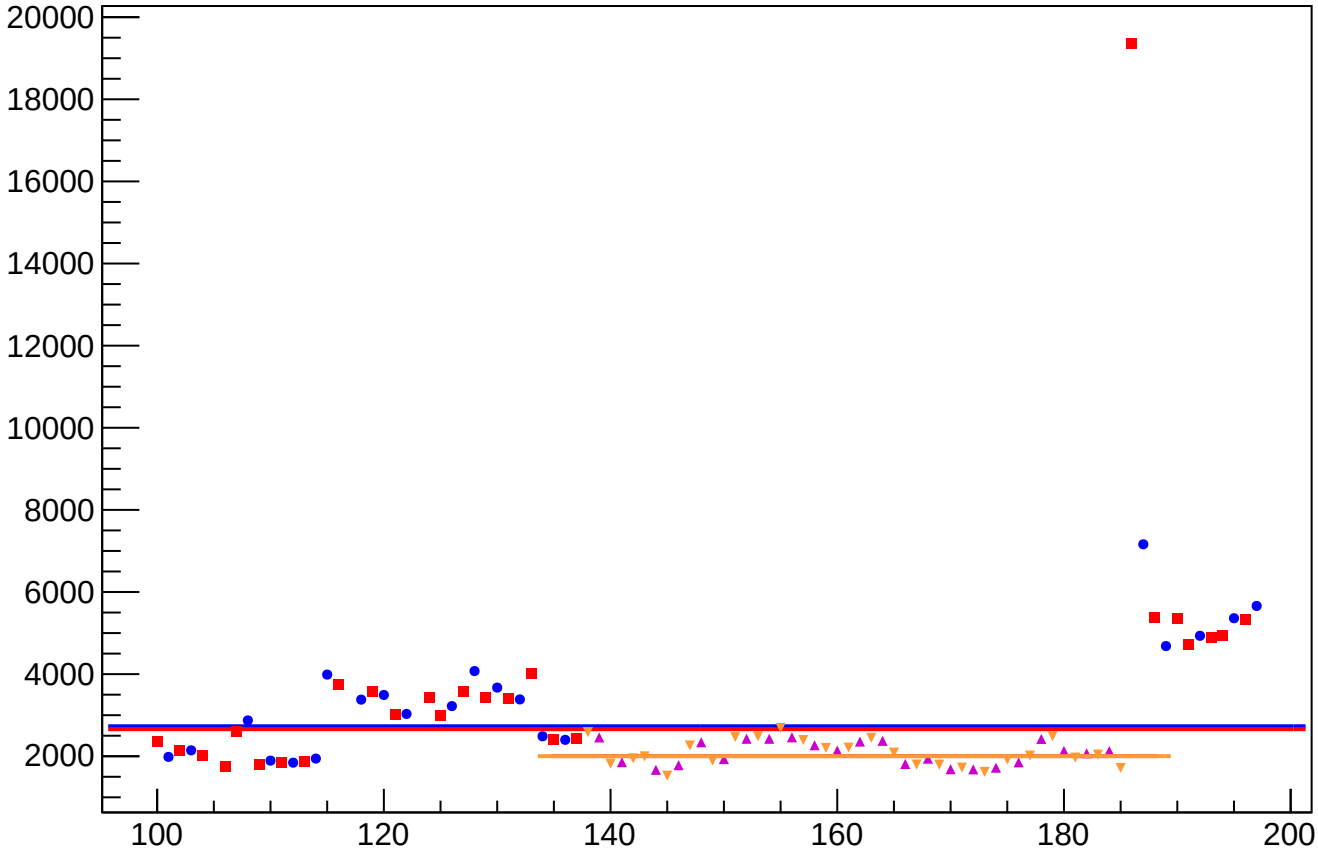
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1872.432+/-410.672 χ^2/NDF: 81.6/45

All: -1341.588+/-291.367 χ^2/NDF: 134.2/94

- sign -803.528+/-413.453 χ^2/NDF: 49.2/48

asym_sam4_cor_correction_rms vs Slug



Right In: 2729.720+/-0.636 χ^2/NDF: 2639868.5/20

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

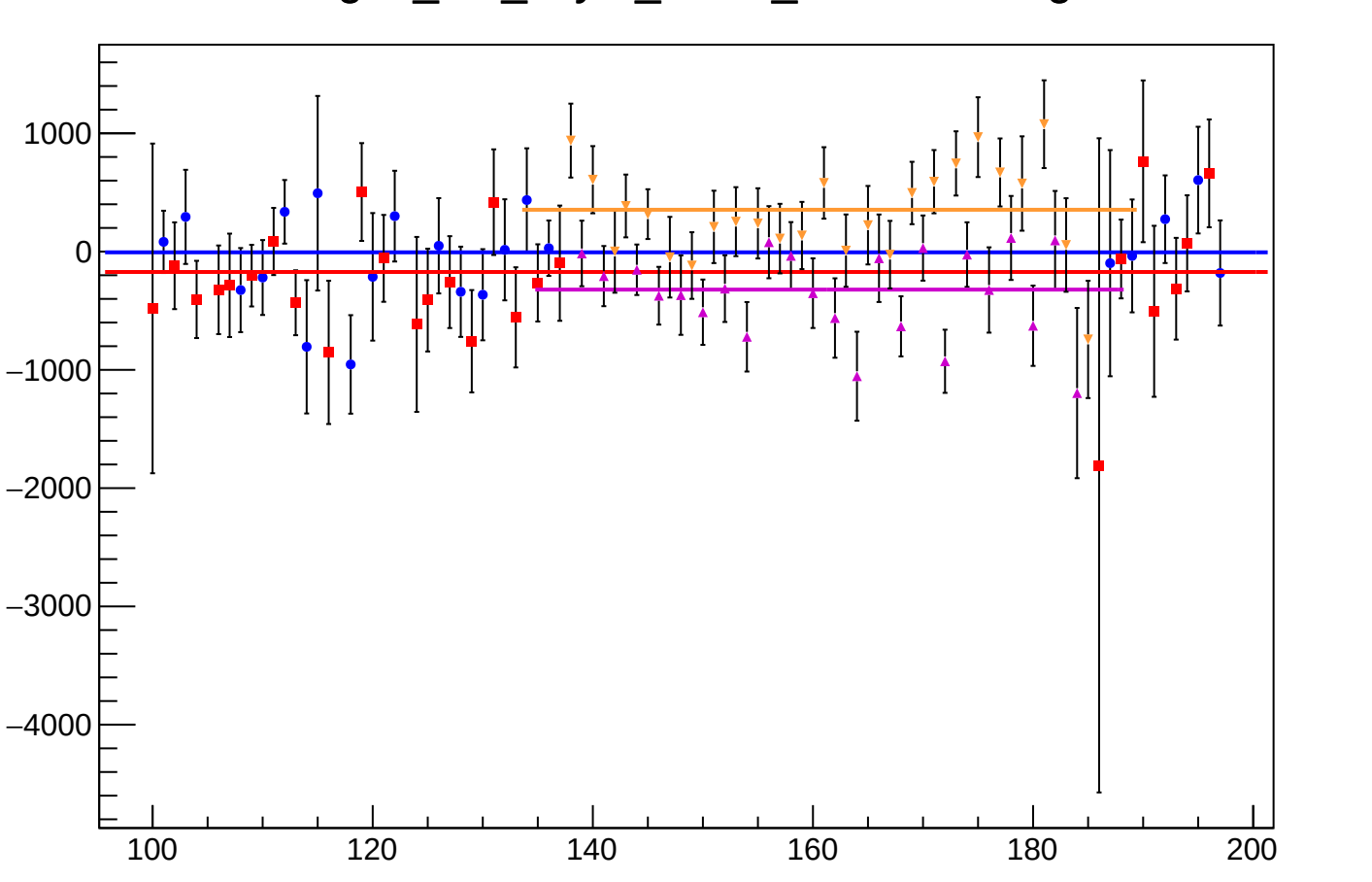
Right Out: 2659.378+/-0.597 χ^2/NDF: 3777864.0/25

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2154.023+/-0.290 χ^2/NDF: 4568884.7/45

All: 2157.540+/-0.206 χ^2/NDF: 9966407.2/94

- sign 2161.104+/-0.292 χ^2/NDF: 5397227.2/48



Right In: -6.287+/-83.182 χ^2/NDF: 17.2/20

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -172.497+/-79.346 χ^2/NDF: 18.1/25

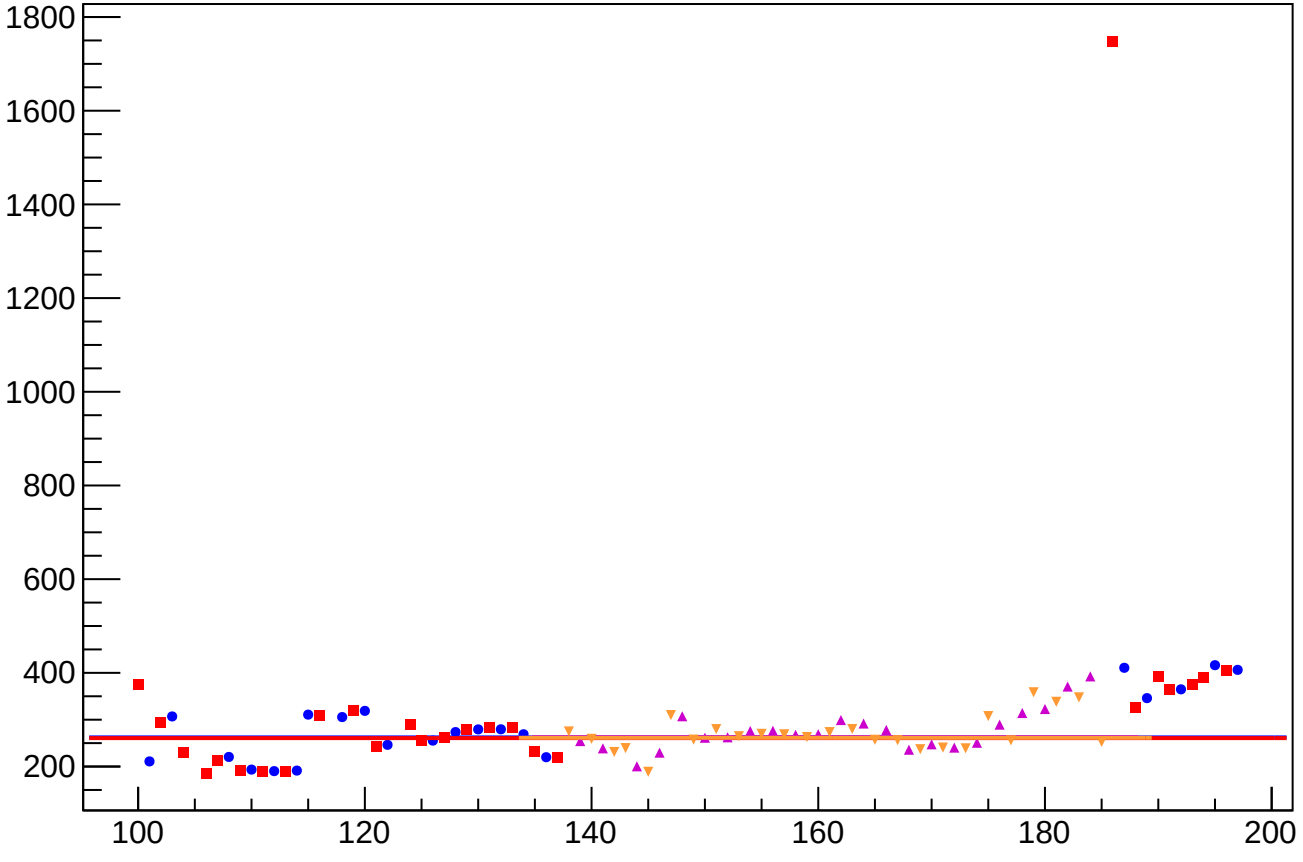
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 230.061+/-48.741 χ^2/NDF: 61.8/45

All: -16.563+/-34.525 χ^2/NDF: 159.7/94

- sign -264.894+/-48.909 χ^2/NDF: 46.5/48

eigen_cor_asym_sam4_rms vs Slug



Right In: 262.166+/-0.059 χ^2/NDF: 1234554.0/20

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 260.691+/-0.056 χ^2/NDF: 1974290.0/25

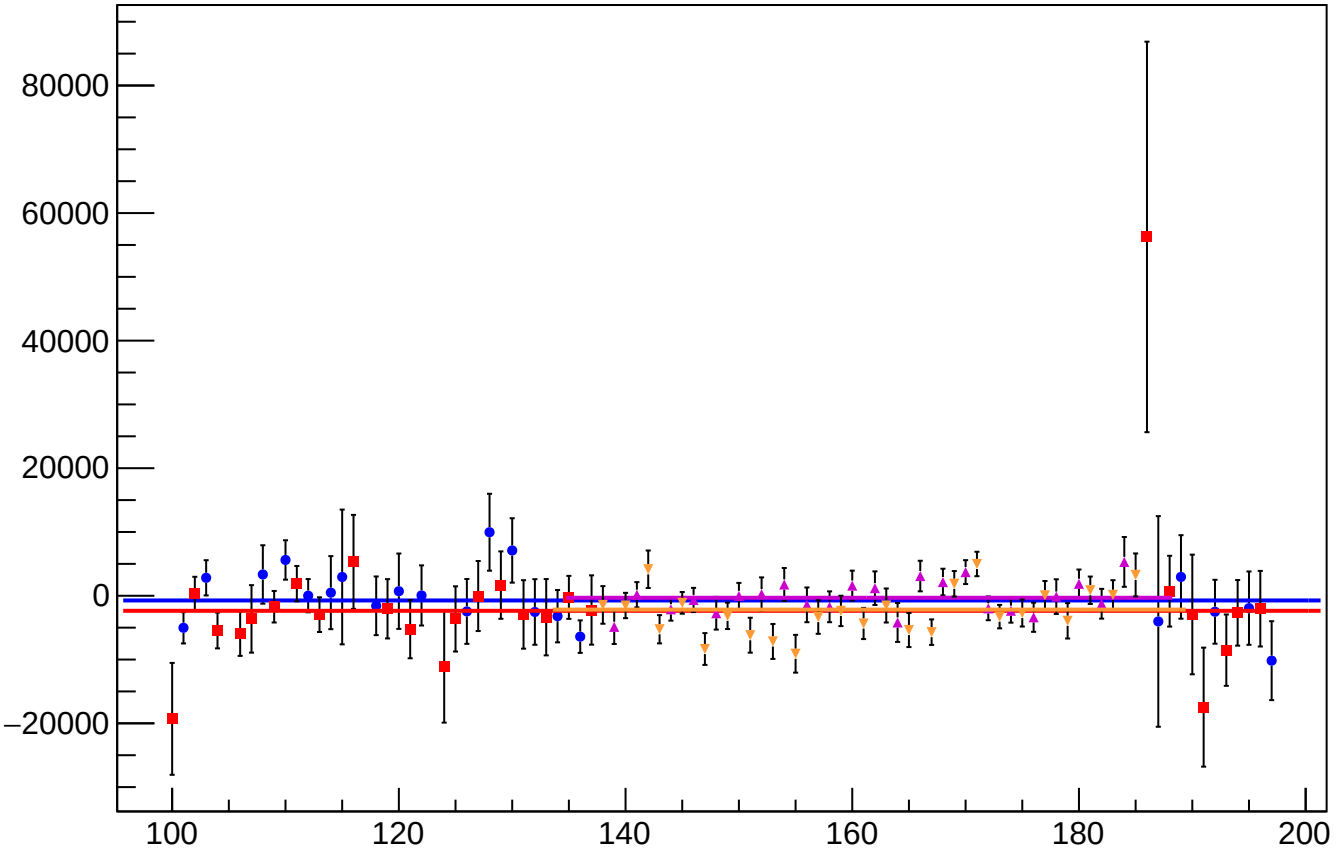
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 261.709+/-0.034 χ^2/NDF: 1950114.1/45

All: 261.796+/-0.024 χ^2/NDF: 4595793.6/94

- sign 261.885+/-0.035 χ^2/NDF: 2645666.6/48

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -737.004+/-899.044 χ^2/NDF: 24.1/20

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2359.359+/-844.960 χ^2/NDF: 21.1/25

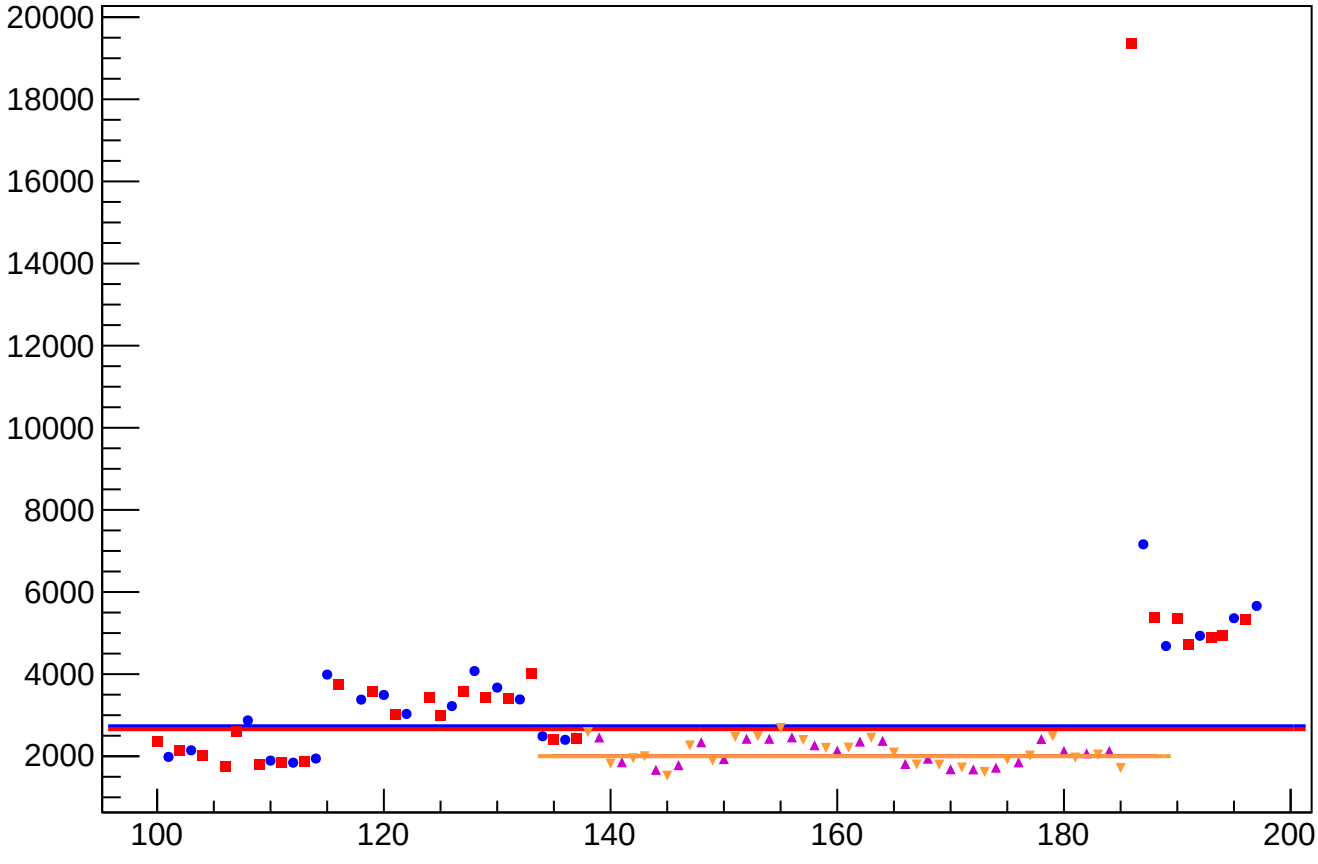
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1872.432+/-410.672 χ^2/NDF: 81.6/45

All: -1341.588+/-291.367 χ^2/NDF: 134.2/94

- sign -803.528+/-413.453 χ^2/NDF: 49.2/48

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2729.720+/-0.636 χ^2/NDF: 2639868.5/20

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2659.378+/-0.597 χ^2/NDF: 3777864.0/25

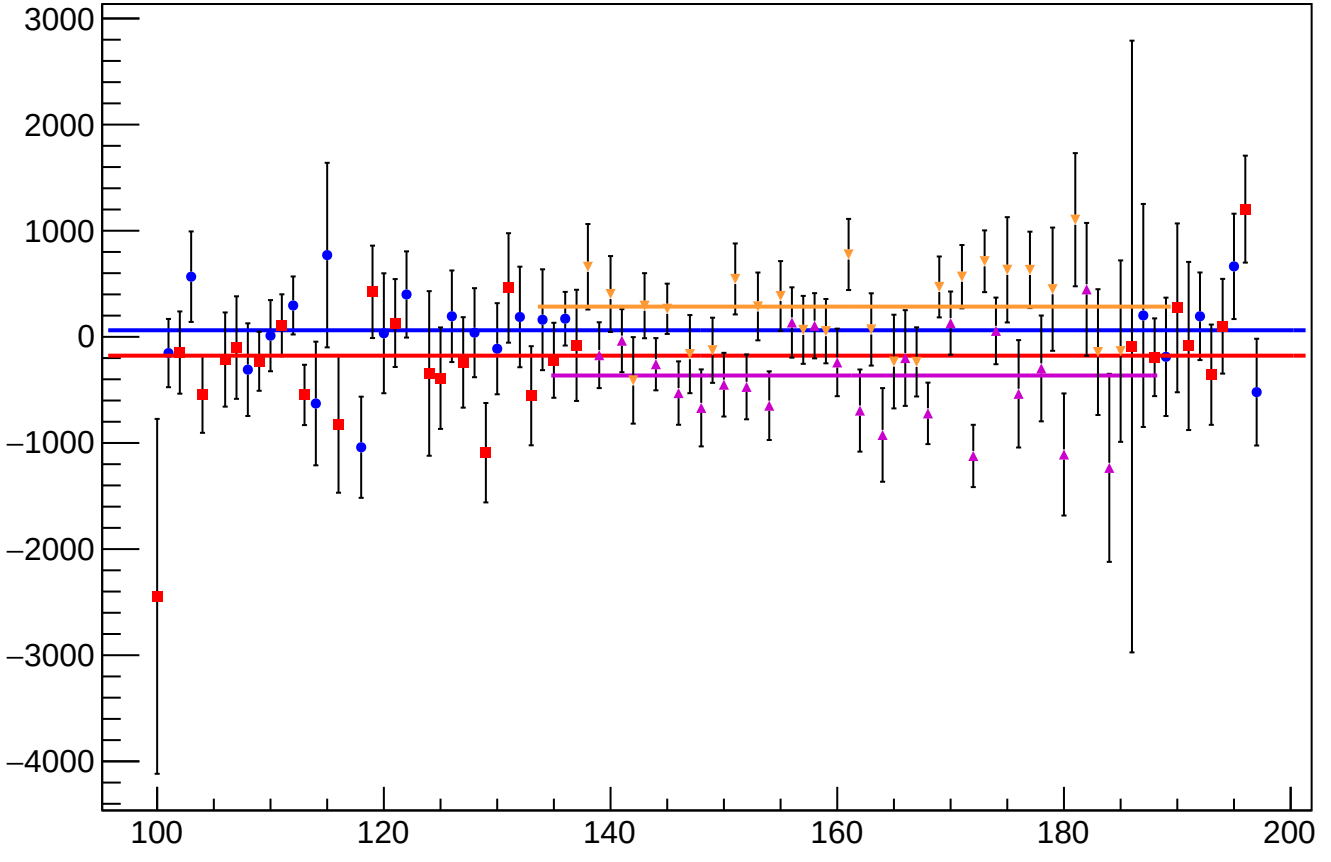
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2154.023+/-0.290 χ^2/NDF: 4568884.7/45

All: 2157.540+/-0.206 χ^2/NDF: 9966407.2/94

- sign 2161.104+/-0.292 χ^2/NDF: 5397227.2/48

dit_asym_sam4_mean vs Slug



Right In: 62.045+/-91.455 χ^2/NDF: 15.1/20

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -177.226+/-86.116 χ^2/NDF: 23.7/25

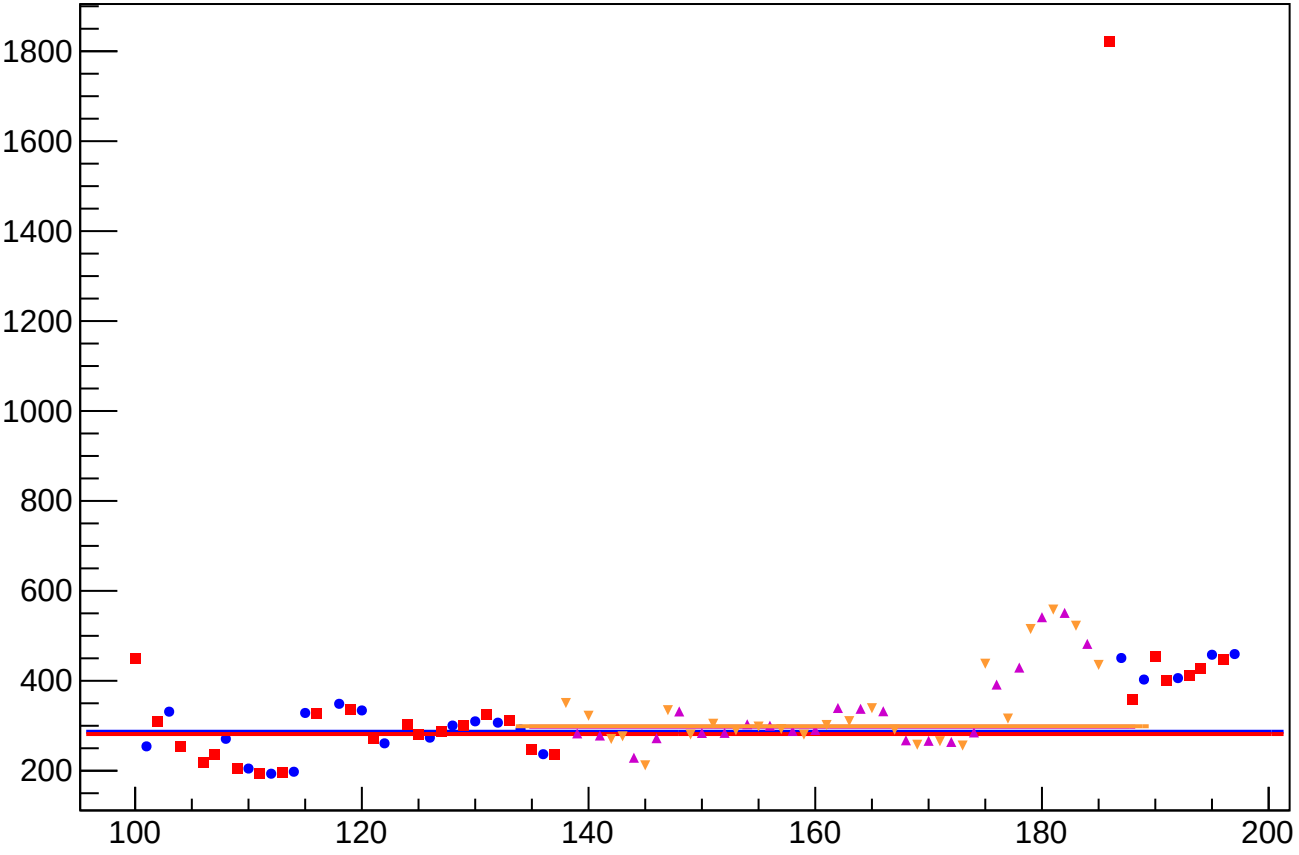
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 202.527+/-55.604 χ^2/NDF: 41.7/45

All: -44.742+/-39.141 χ^2/NDF: 135.6/94

- sign -287.612+/-55.108 χ^2/NDF: 54.7/48

dit_asym_sam4_rms vs Slug



Right In: 286.690+/-0.065 χ^2/NDF: 1372356.6/20

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 281.611+/-0.061 χ^2/NDF: 2102686.0/25

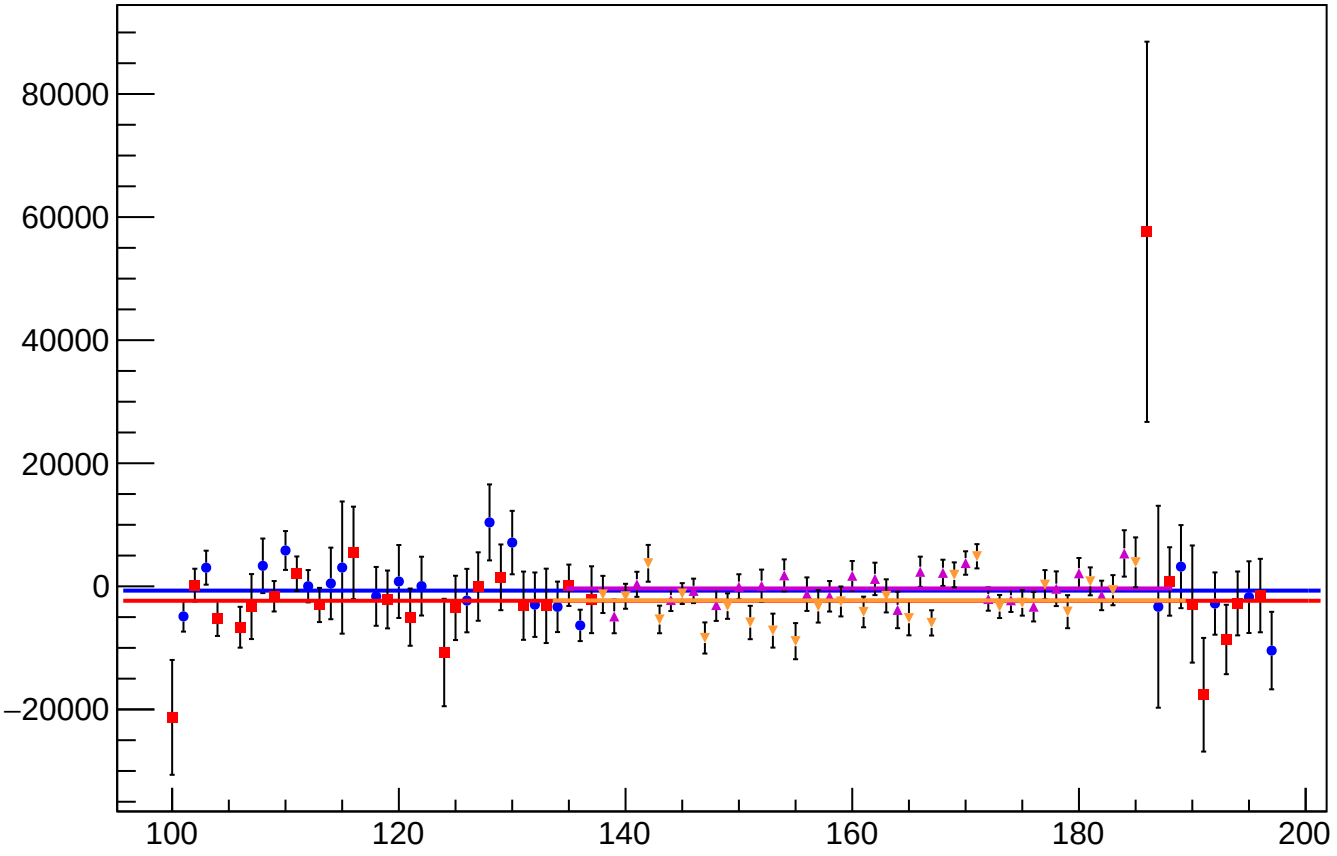
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 294.410+/-0.039 χ^2/NDF: 3008043.4/45

All: 292.801+/-0.028 χ^2/NDF: 6475286.3/94

- sign 291.221+/-0.039 χ^2/NDF: 3463923.5/48

asym_sam4_dit_correction_mean vs Slug



Right In: -695.113+/-907.003 χ^2/NDF: 24.2/20

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2343.256+/-849.930 χ^2/NDF: 22.1/25

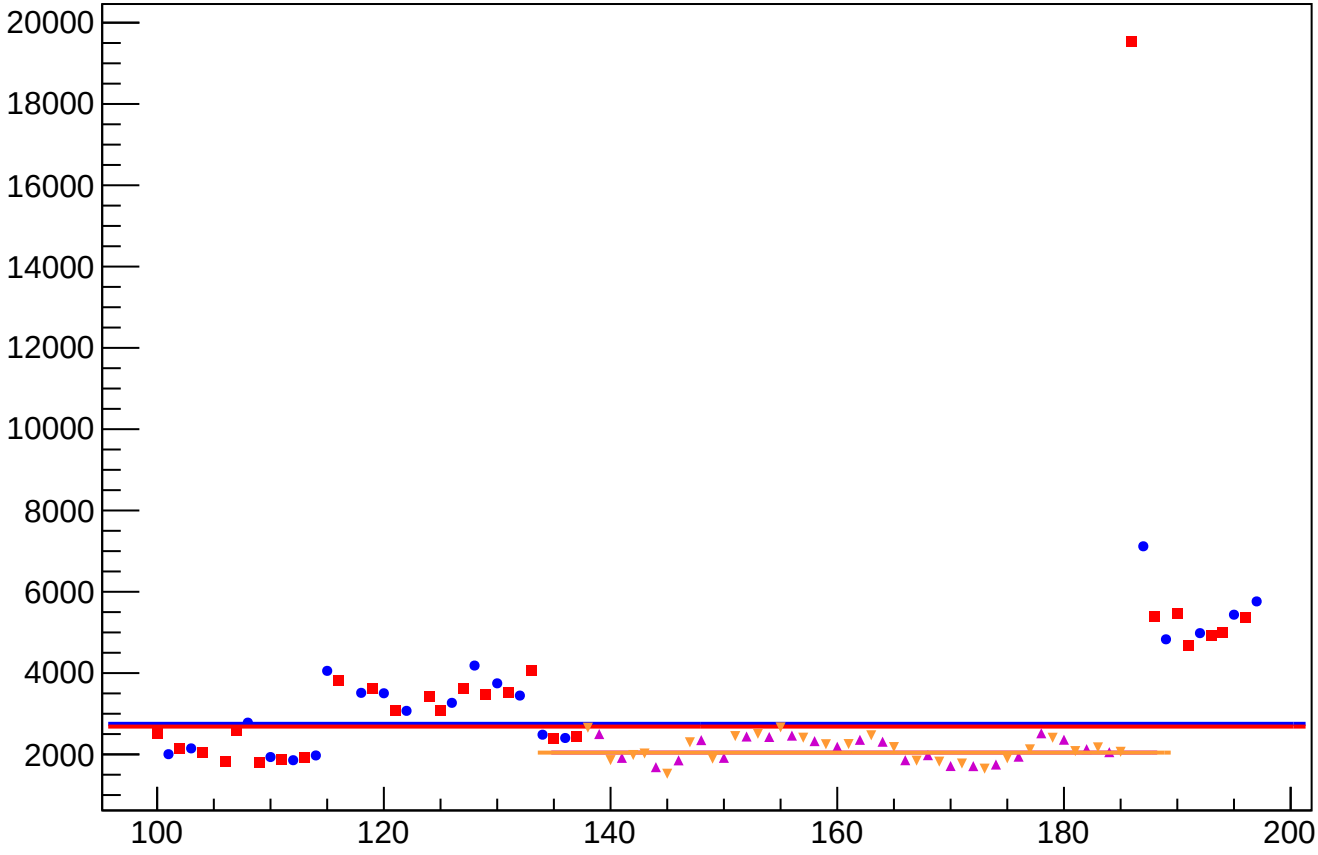
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1952.589+/-417.663 χ^2/NDF: 78.3/45

All: -1395.813+/-296.270 χ^2/NDF: 131.1/94

- sign -831.912+/-420.327 χ^2/NDF: 49.1/48

asym_sam4_dit_correction_rms vs Slug



Right In: 2752.017+/-0.641 χ^2/NDF: 2687346.6/20

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2683.741+/-0.601 χ^2/NDF: 3777312.5/25

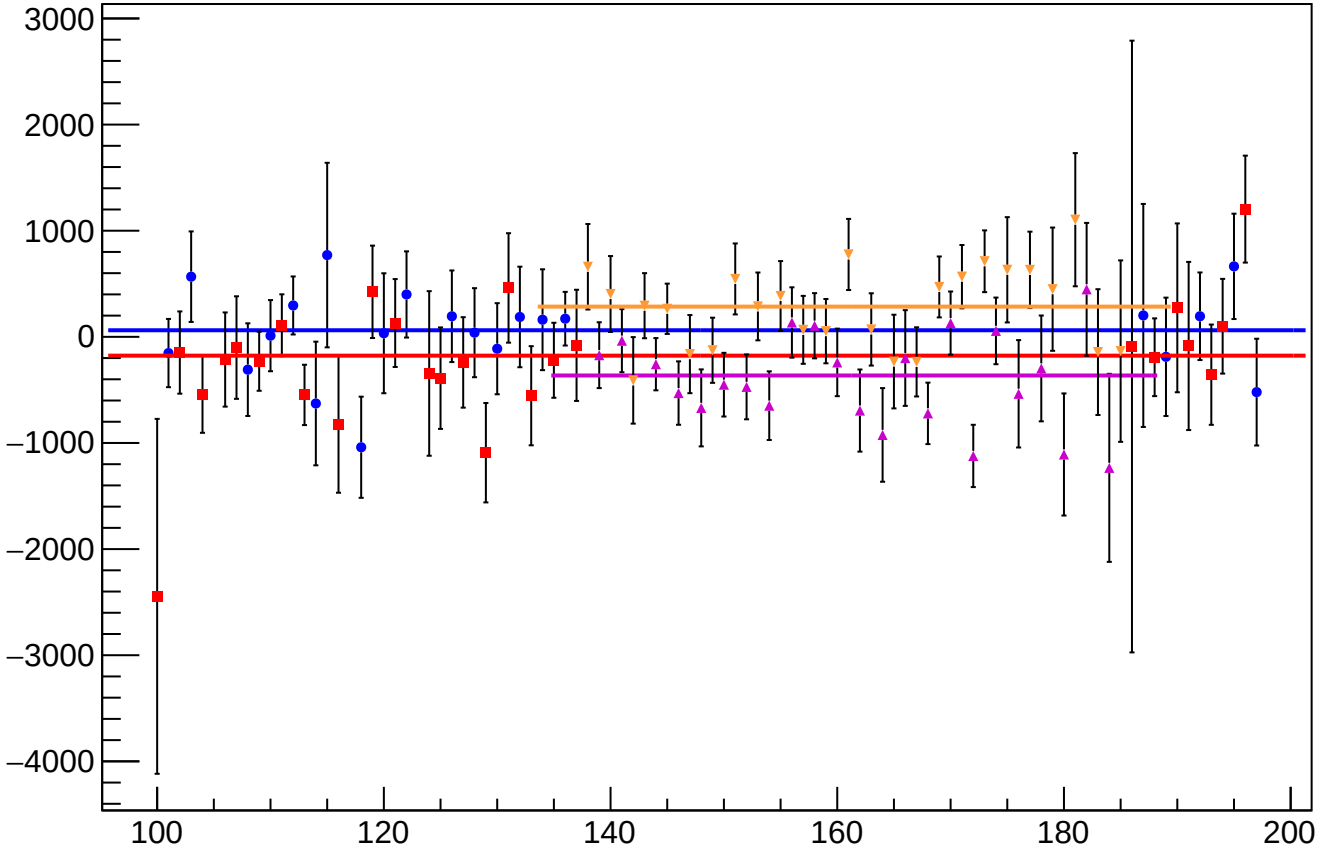
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2193.933+/-0.295 χ^2/NDF: 4501712.1/45

All: 2197.620+/-0.209 χ^2/NDF: 9822389.5/94

- sign 2201.353+/-0.297 χ^2/NDF: 5320363.8/48

eigen_dit_asym_sam4_mean vs Slug



Right In: 62.049+/-91.455 χ^2/NDF: 15.1/20

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -177.225+/-86.116 χ^2/NDF: 23.7/25

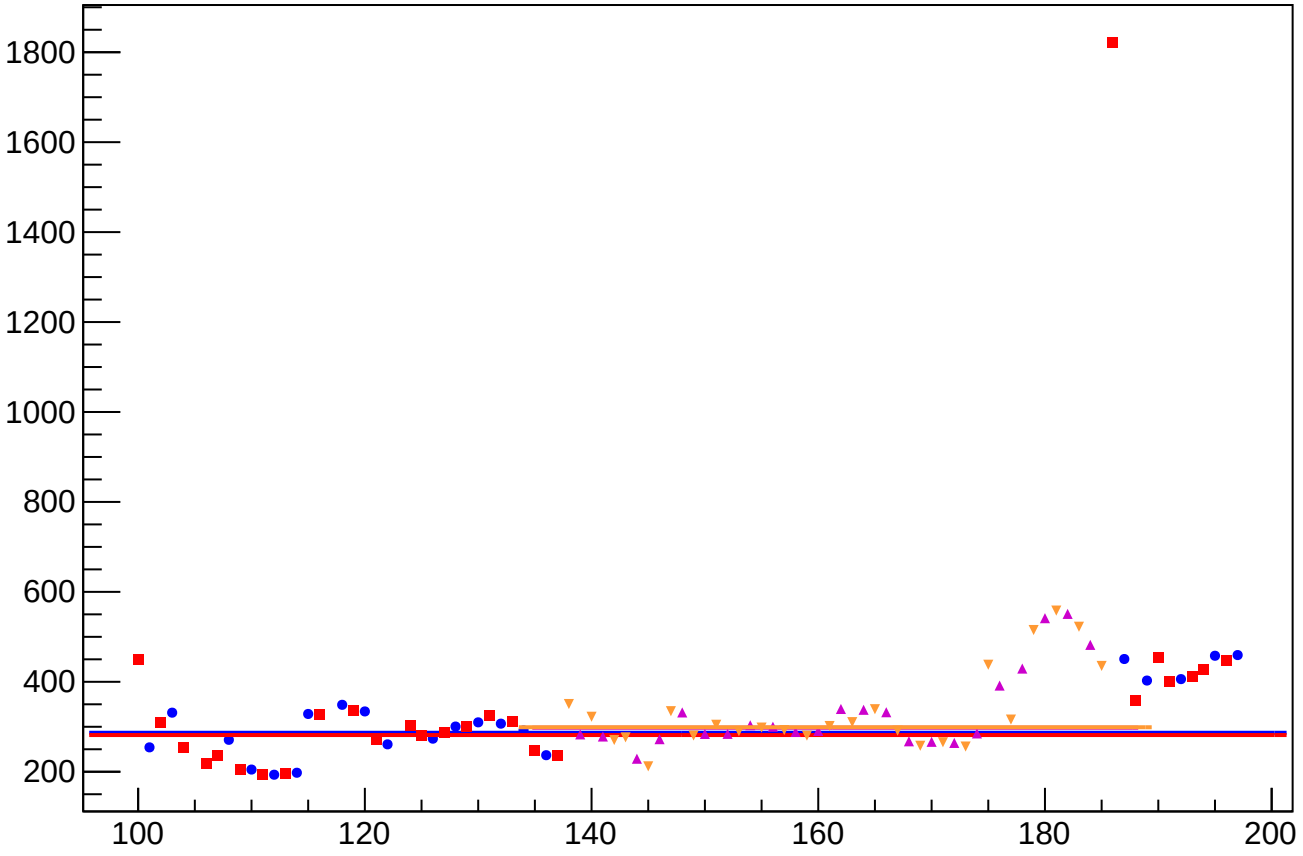
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 202.531+/-55.604 χ^2/NDF: 41.7/45

All: -44.740+/-39.141 χ^2/NDF: 135.6/94

- sign -287.612+/-55.108 χ^2/NDF: 54.7/48

eigen_dit_asym_sam4_rms vs Slug



Right In: 286.690+/-0.065 χ^2/NDF: 1372351.9/20

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 281.611+/-0.061 χ^2/NDF: 2102687.1/25

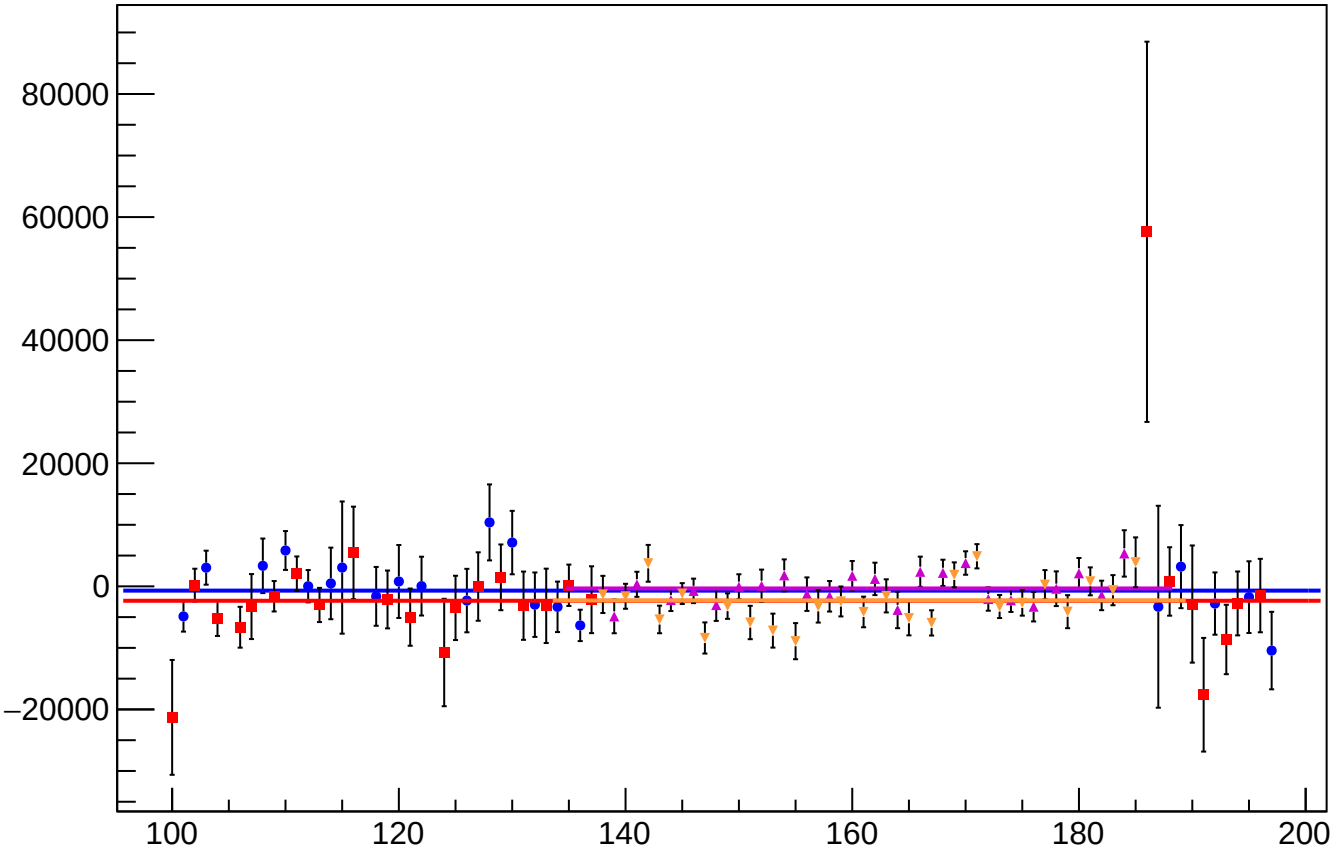
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 294.411+/-0.039 χ^2/NDF: 3008036.9/45

All: 292.802+/-0.028 χ^2/NDF: 6475264.2/94

- sign 291.221+/-0.039 χ^2/NDF: 3463907.7/48

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -695.112+/-907.002 χ^2/NDF: 24.2/20

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2343.254+/-849.929 χ^2/NDF: 22.1/25

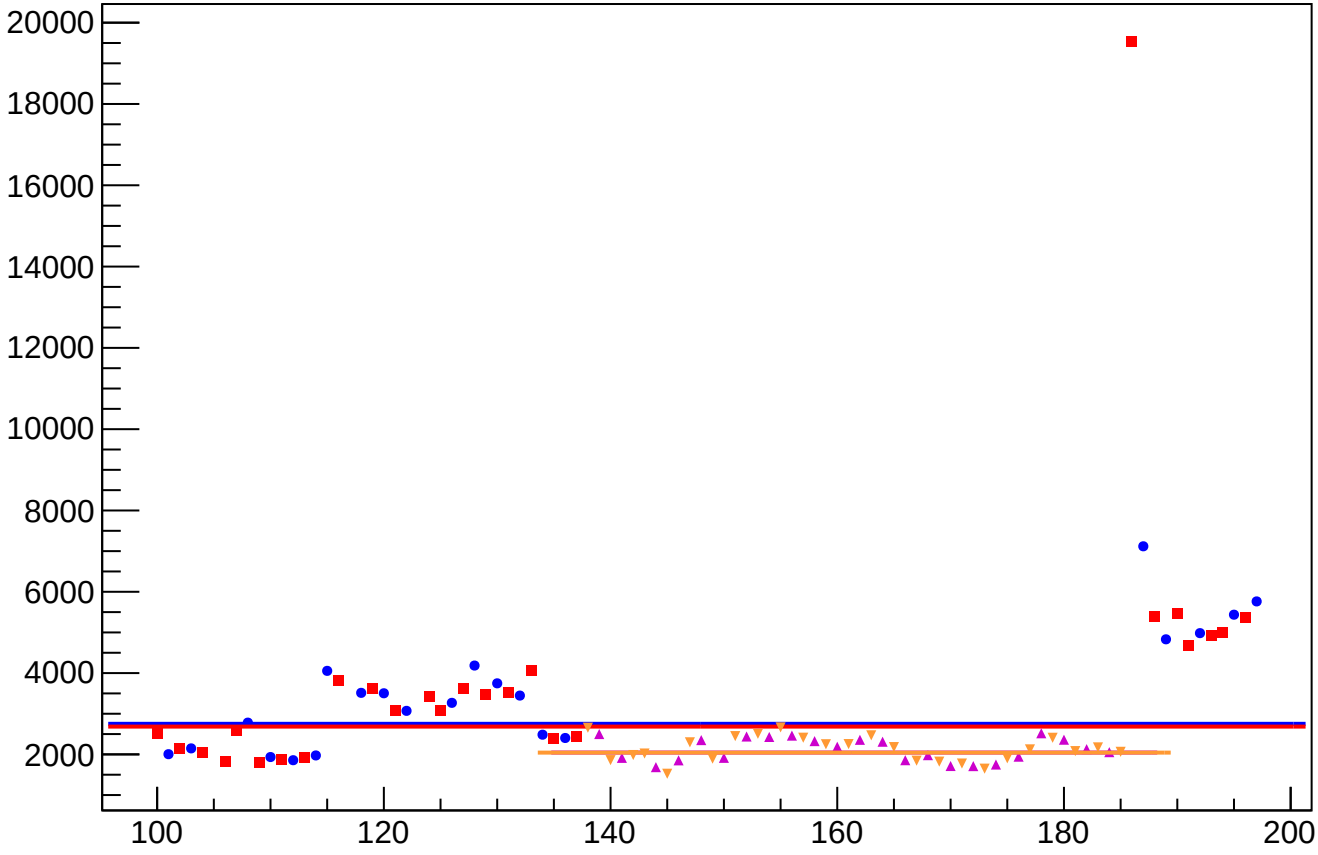
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1952.585+/-417.662 χ^2/NDF: 78.3/45

All: -1395.810+/-296.269 χ^2/NDF: 131.1/94

- sign -831.910+/-420.326 χ^2/NDF: 49.1/48

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2752.015+/-0.641 χ^2/NDF: 2687348.1/20

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

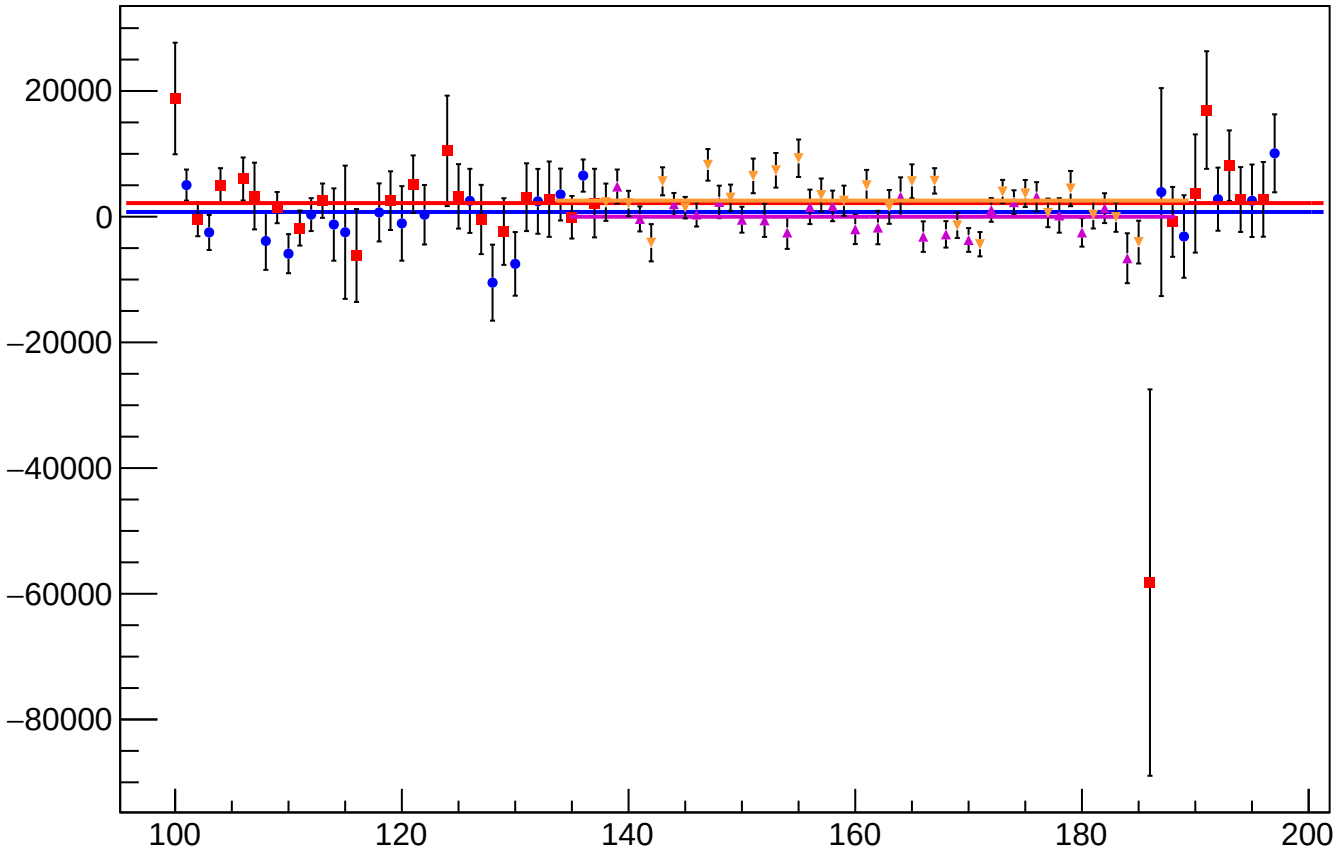
Right Out: 2683.739+/-0.601 χ^2/NDF: 3777309.7/25

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2193.930+/-0.295 χ^2/NDF: 4501721.0/45

All: 2197.617+/-0.209 χ^2/NDF: 9822398.2/94

- sign 2201.350+/-0.297 χ^2/NDF: 5320363.6/48



Right In: 747.855+/-903.817 χ^2/NDF: 25.1/20

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 2164.233+/-848.453 χ^2/NDF: 20.7/25

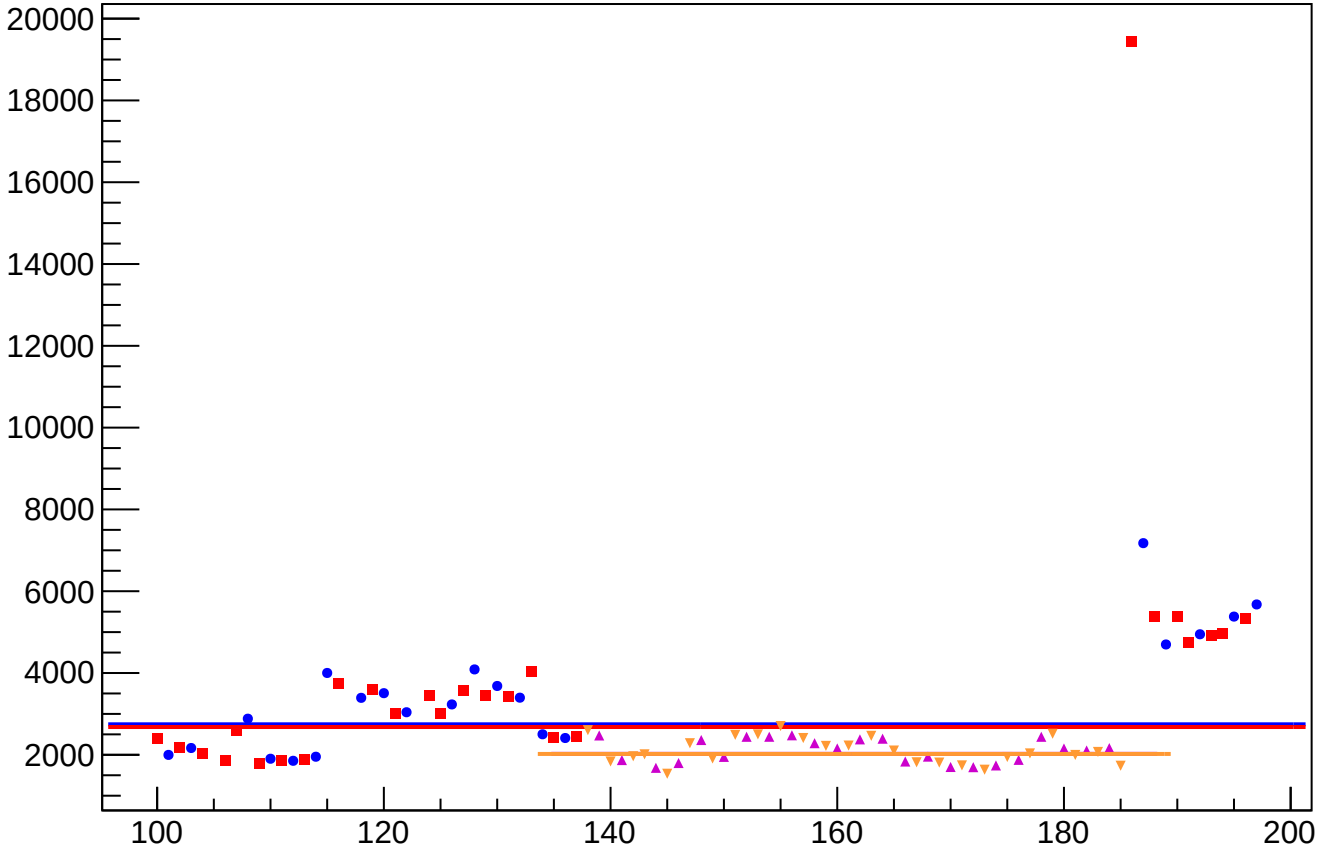
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2178.757+/-414.149 χ^2/NDF: 81.0/45

All: 1354.482+/-293.779 χ^2/NDF: 139.3/94

- sign 519.636+/-416.796 χ^2/NDF: 50.3/48

asym_sam4_rms vs Slug



Right In: 2745.625+/-0.639 χ^2/NDF: 2621768.0/20

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2679.706+/-0.600 χ^2/NDF: 3729603.9/25

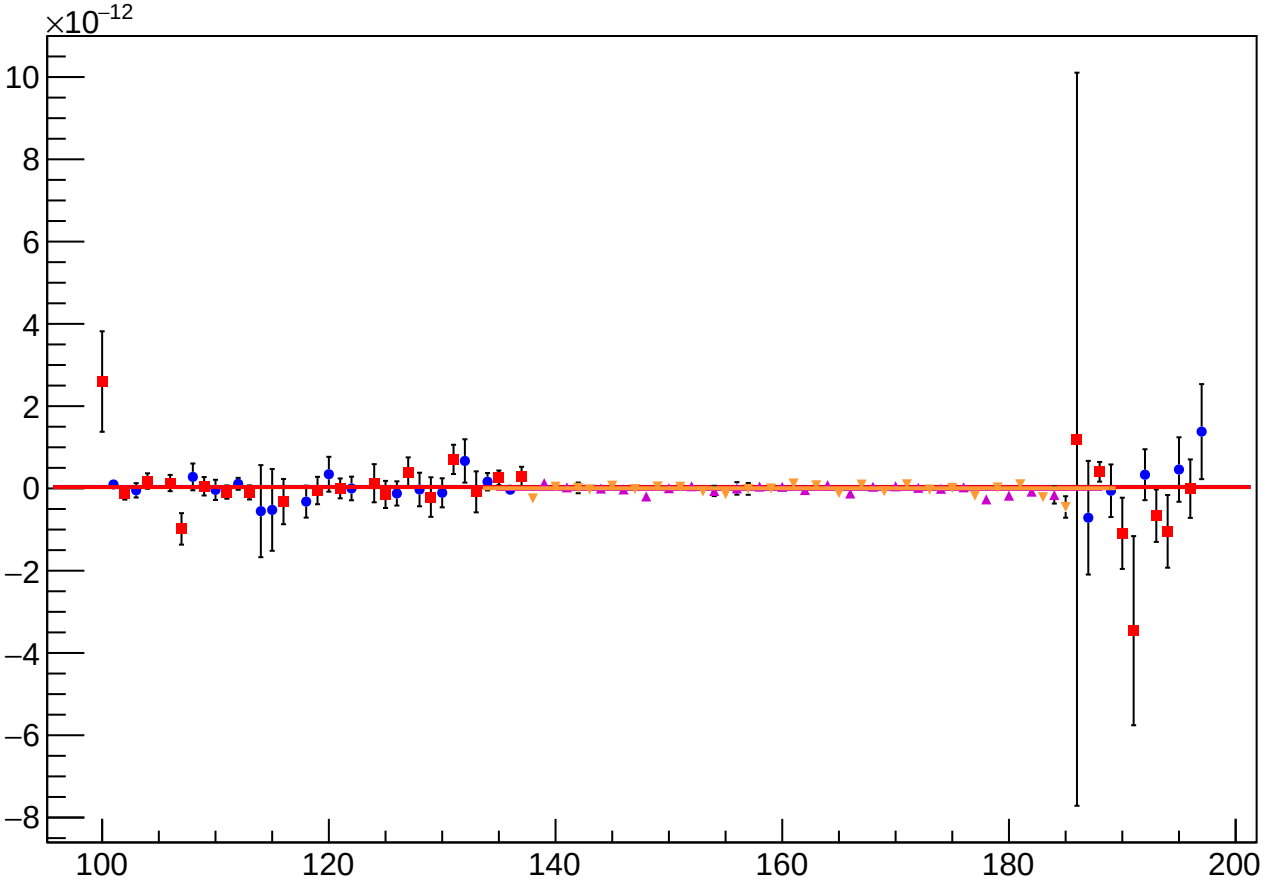
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2173.358+/-0.293 χ^2/NDF: 4518035.1/45

All: 2177.498+/-0.208 χ^2/NDF: 9852336.4/94

- sign 2181.691+/-0.295 χ^2/NDF: 5333899.0/48

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

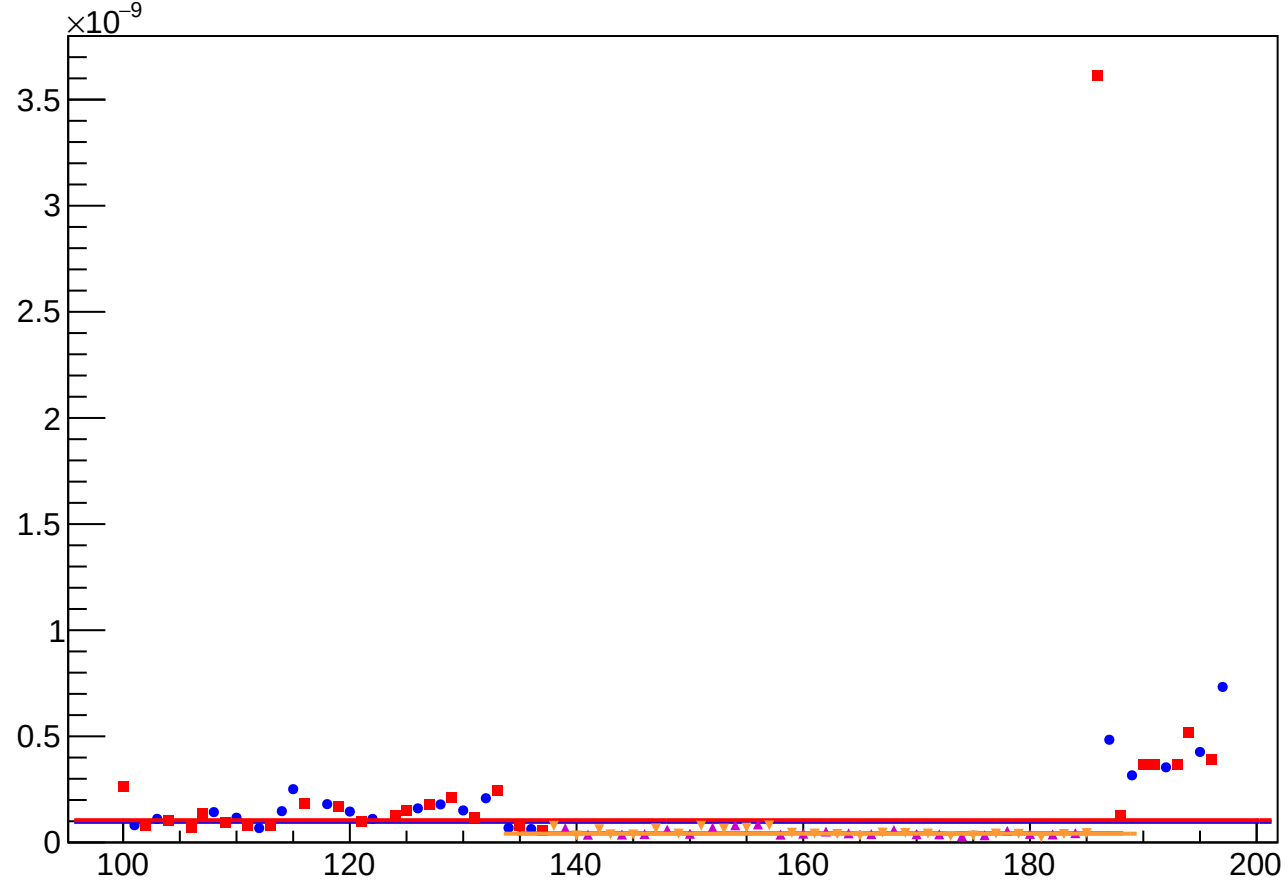
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/25

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/45

All: -0.000+/-0.000 χ^2/NDF: 94.9/94

- sign -0.000+/-0.000 χ^2/NDF: 53.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 2653747.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2521412.9/25

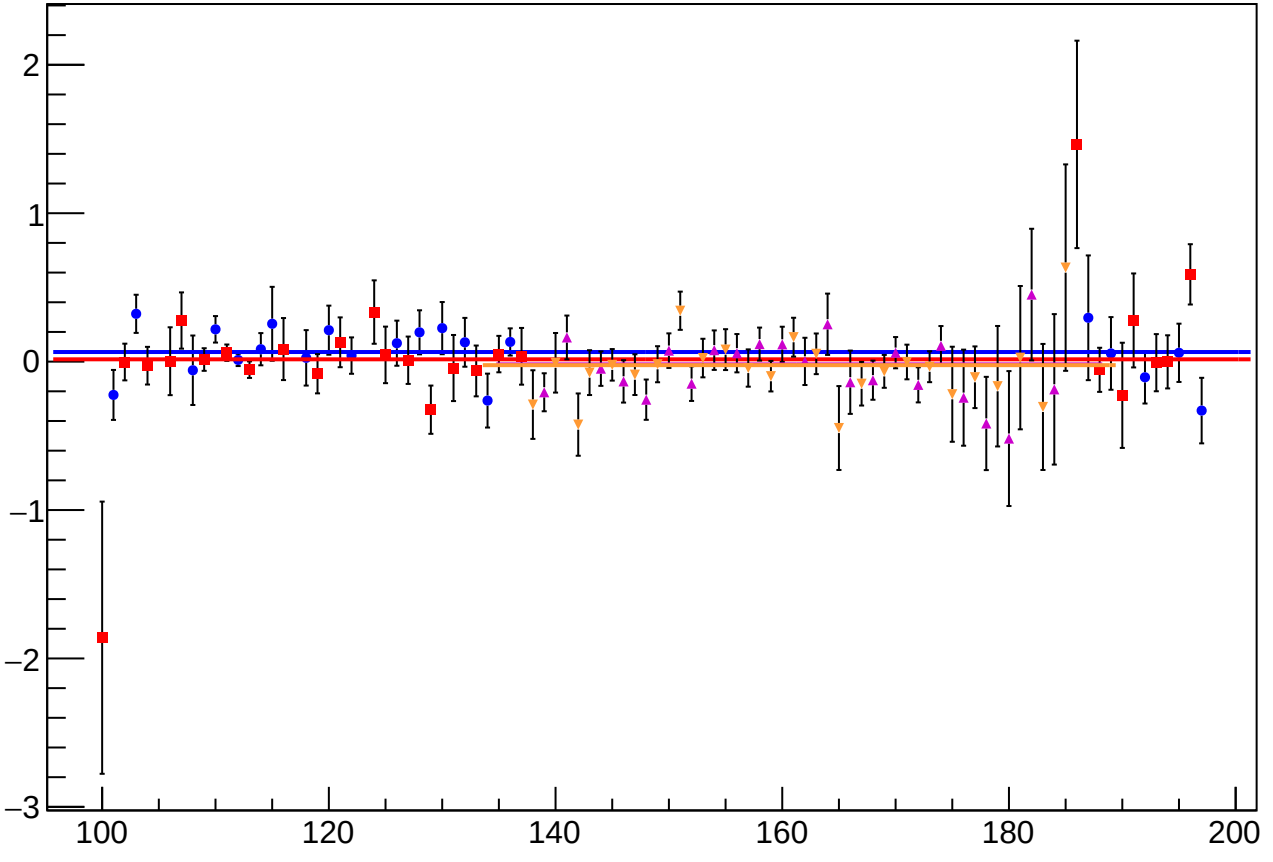
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5999442.5/45

All: 0.000+/-0.000 χ^2/NDF: 11883940.0/94

- sign 0.000+/-0.000 χ^2/NDF: 5859912.9/48

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.065+/-0.026 χ^2/NDF: 23.5/20

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.016+/-0.026 χ^2/NDF: 30.2/25

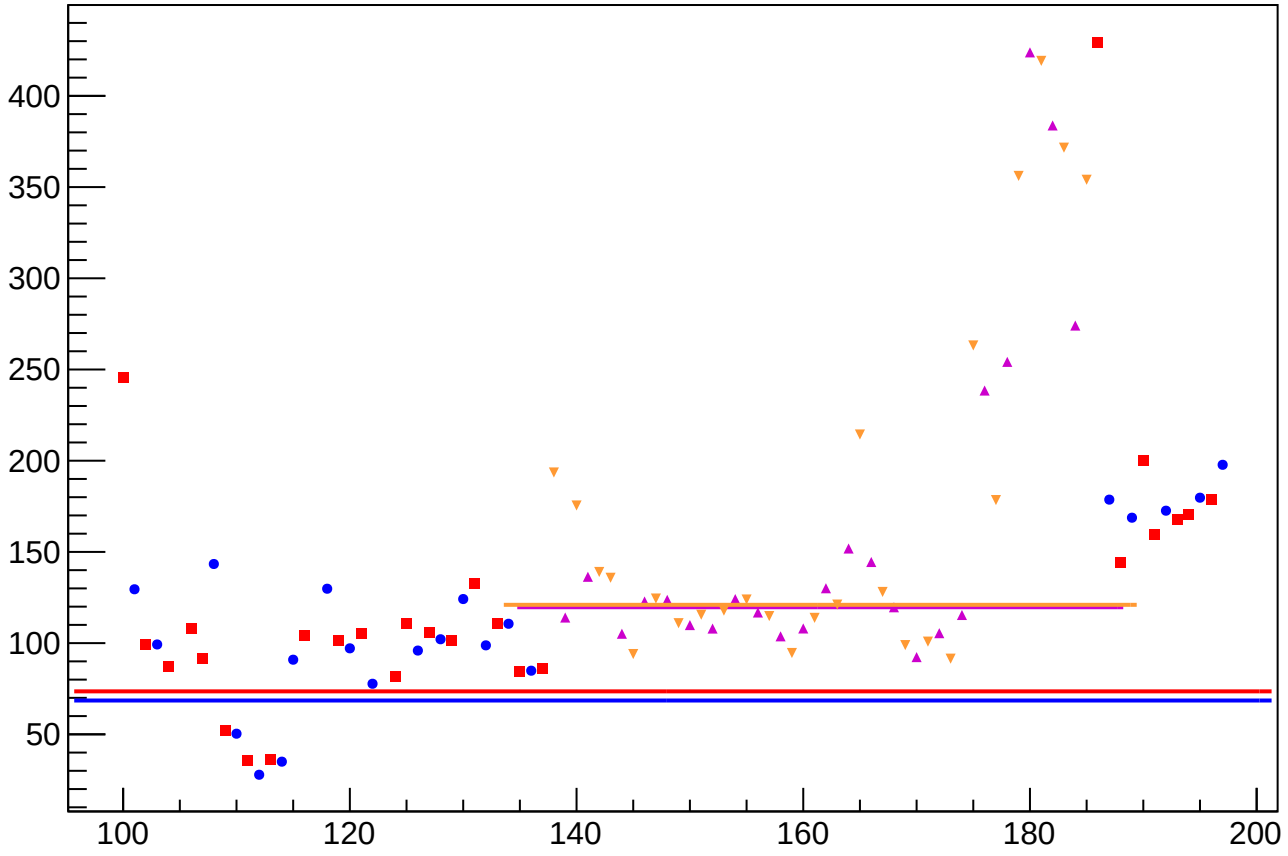
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.027+/-0.020 χ^2/NDF: 50.7/45

All: 0.014+/-0.014 χ^2/NDF: 105.5/94

- sign 0.001+/-0.019 χ^2/NDF: 53.9/48

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 68.543+/-0.018 χ^2/NDF: 6211129.6/20

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 73.560+/-0.018 χ^2/NDF: 5904073.7/25

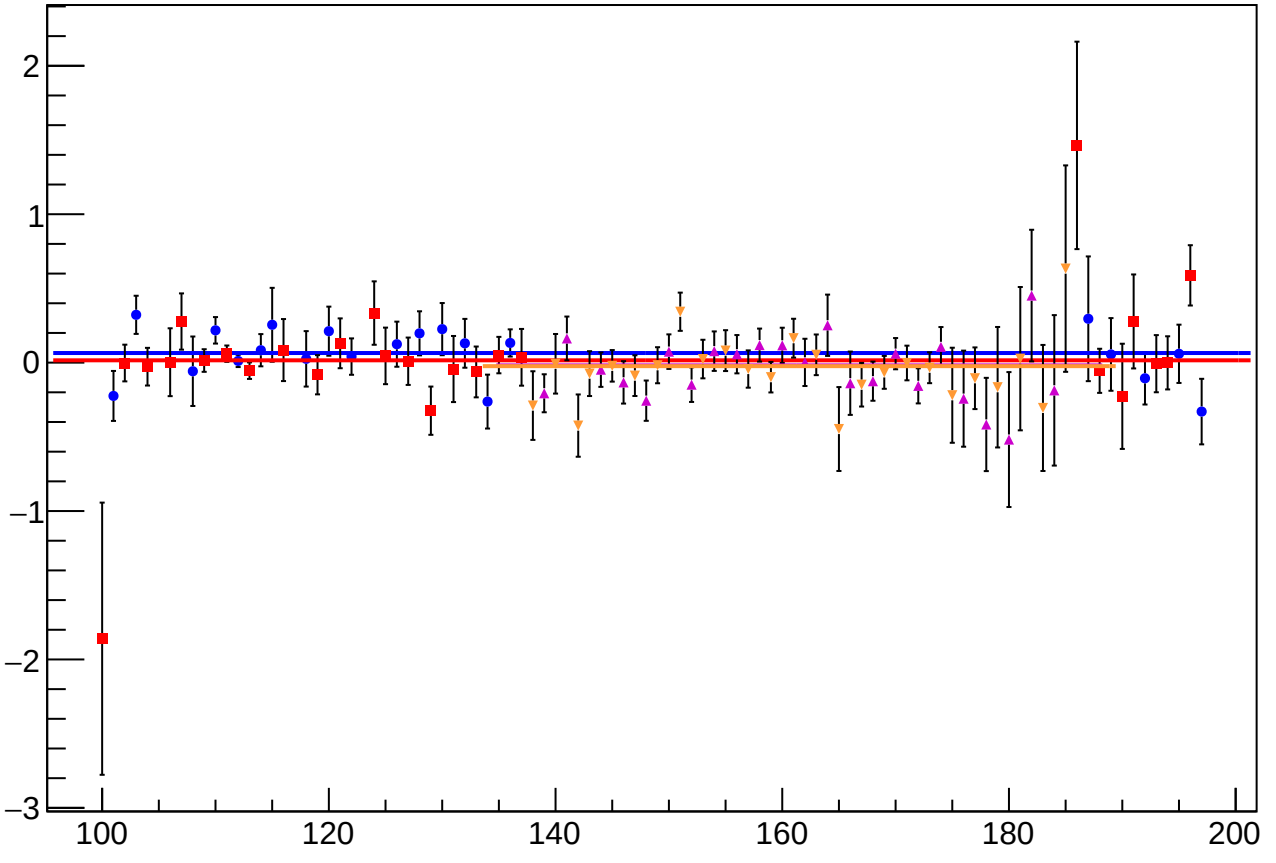
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 91.196+/-0.014 χ^2/NDF: 13803147.7/45

All: 91.977+/-0.010 χ^2/NDF: 25271123.5/94

- sign 92.745+/-0.014 χ^2/NDF: 11461710.8/48

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.065+/-0.026 χ^2/NDF: 23.5/20

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.016+/-0.026 χ^2/NDF: 30.2/25

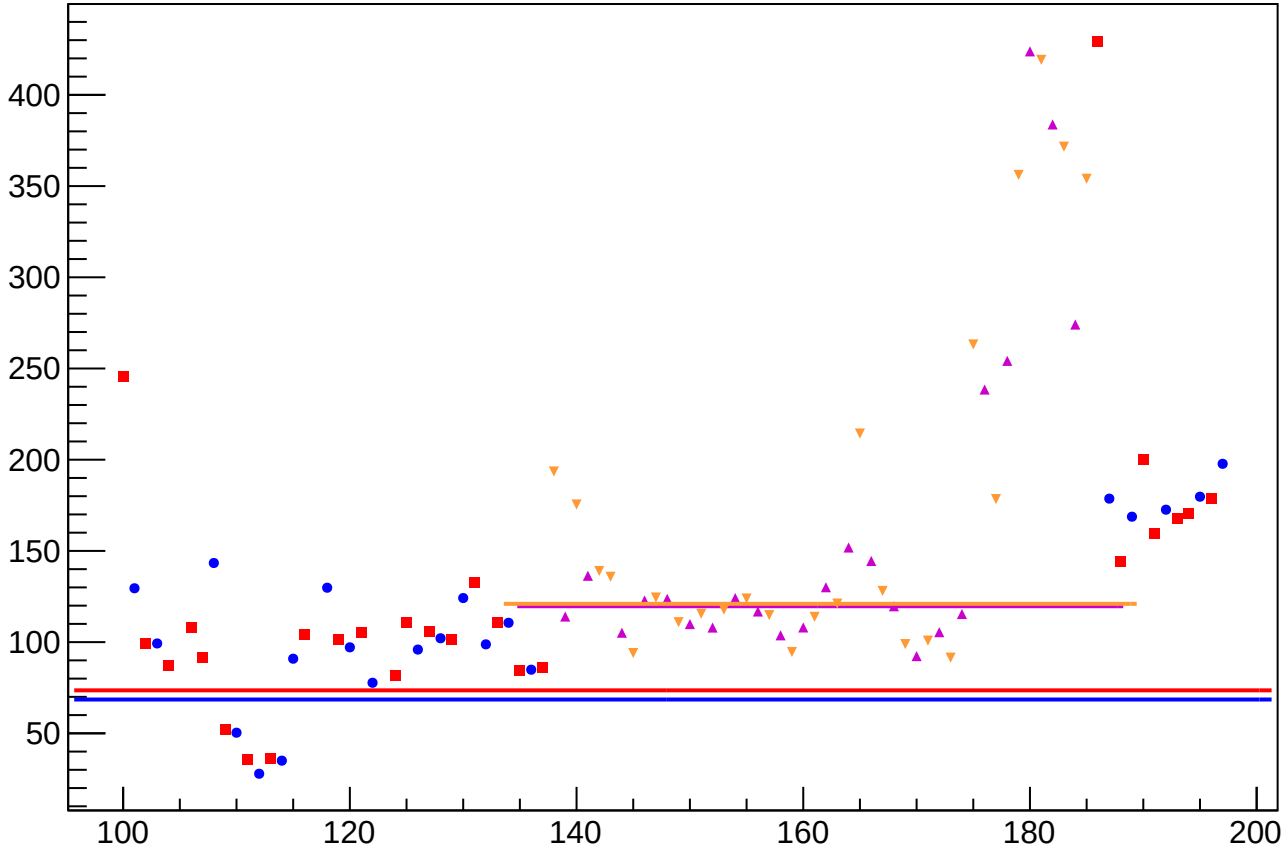
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.027+/-0.020 χ^2/NDF: 50.7/45

All: 0.014+/-0.014 χ^2/NDF: 105.5/94

- sign 0.001+/-0.019 χ^2/NDF: 53.9/48

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.543+/-0.018 χ^2/NDF: 6211129.6/20

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

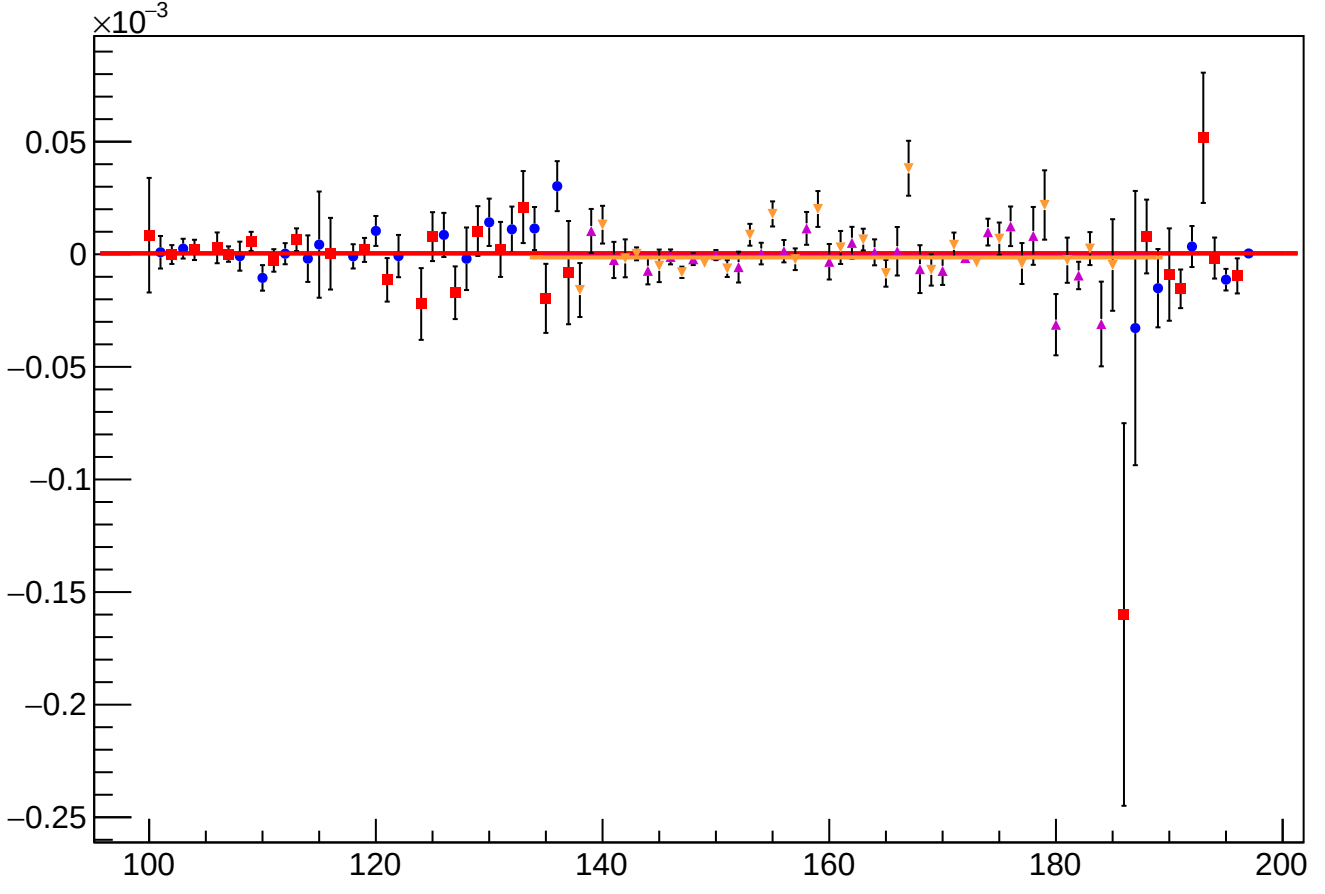
Right Out: 73.560+/-0.018 χ^2/NDF: 5904073.7/25

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 91.196+/-0.014 χ^2/NDF: 13803147.7/45

All: 91.977+/-0.010 χ^2/NDF: 25271123.5/94

- sign 92.745+/-0.014 χ^2/NDF: 11461710.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/25

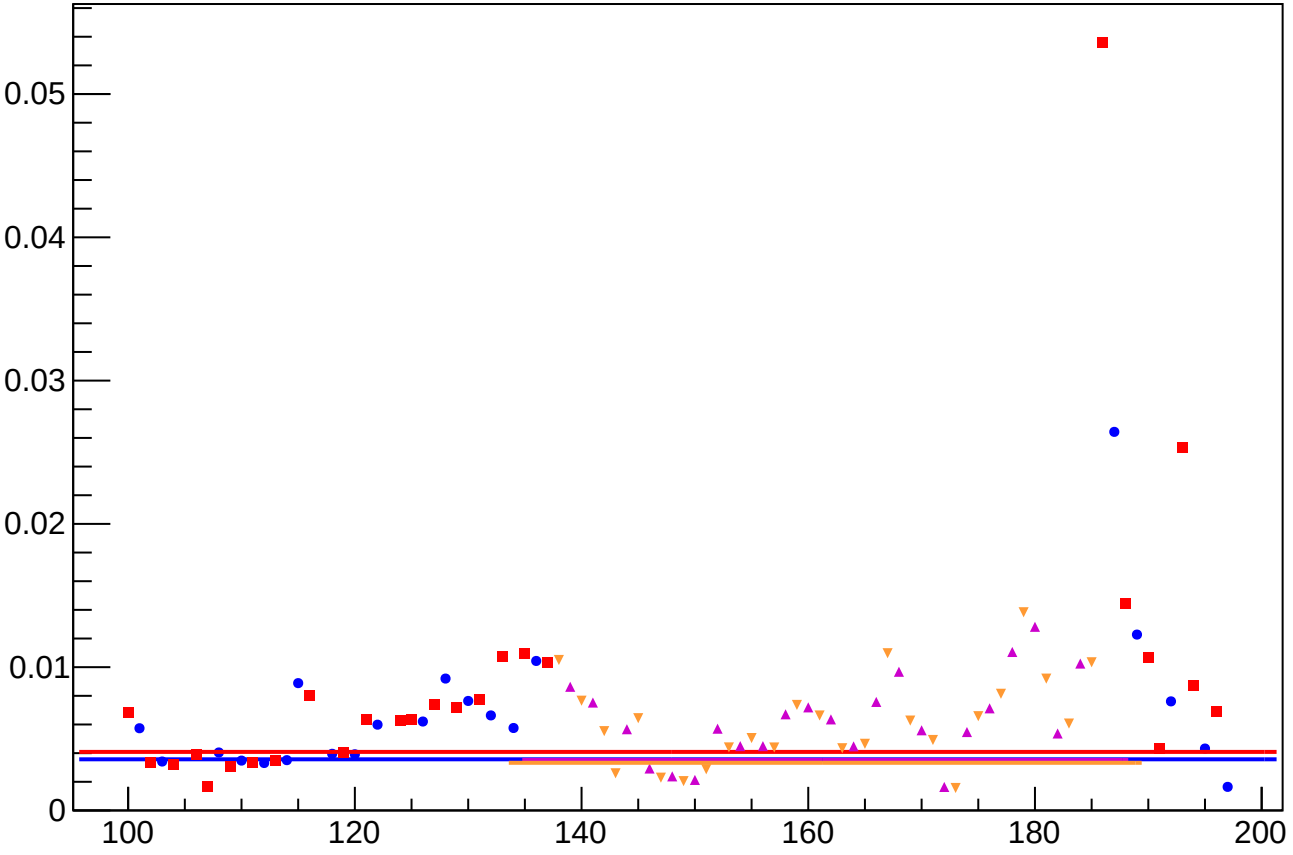
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.4/45

All: -0.000+/-0.000 χ^2/NDF: 139.1/94

- sign -0.000+/-0.000 χ^2/NDF: 51.6/48

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5071753.2/20

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

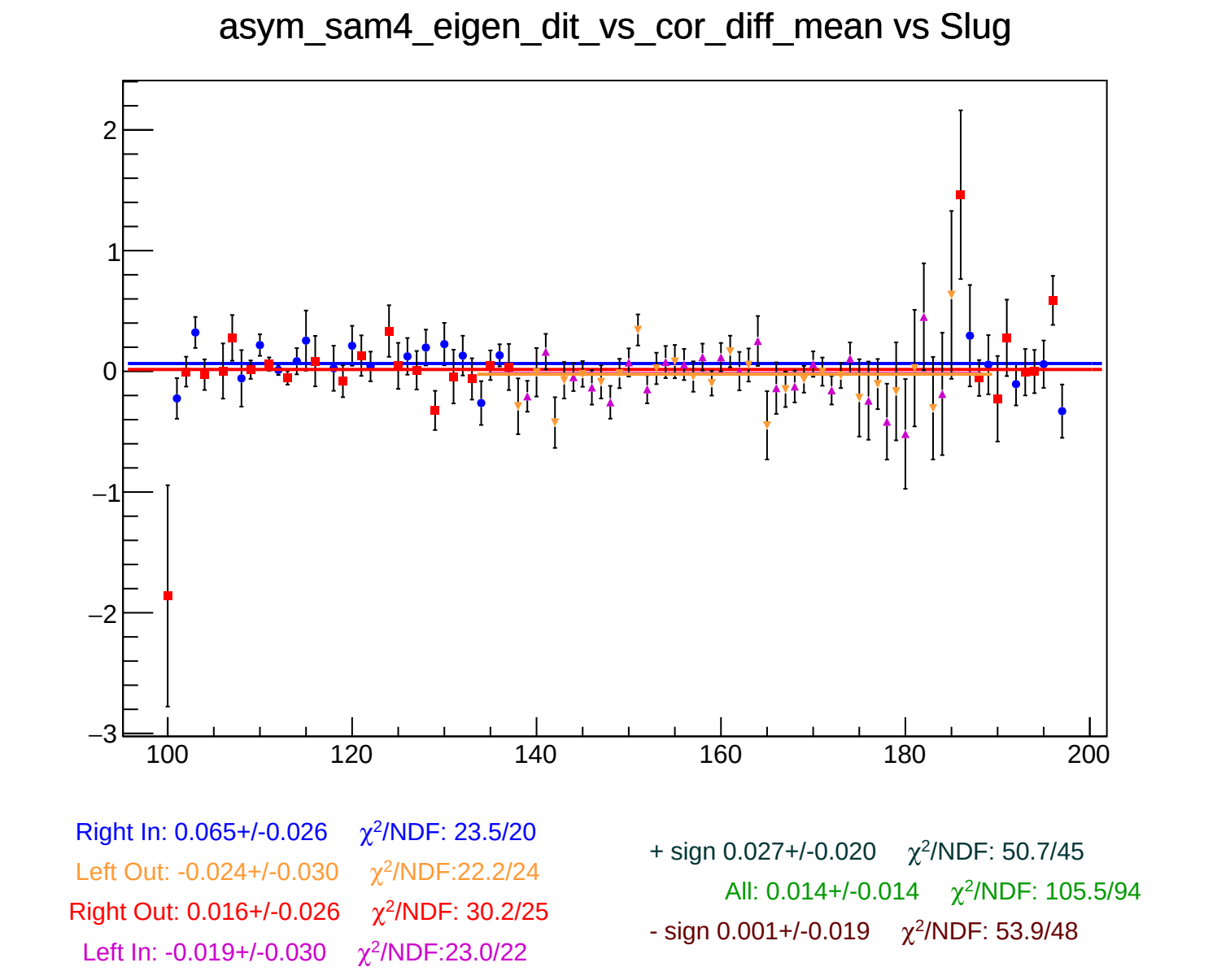
Right Out: 0.004+/-0.000 χ^2/NDF: 6643258.3/25

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

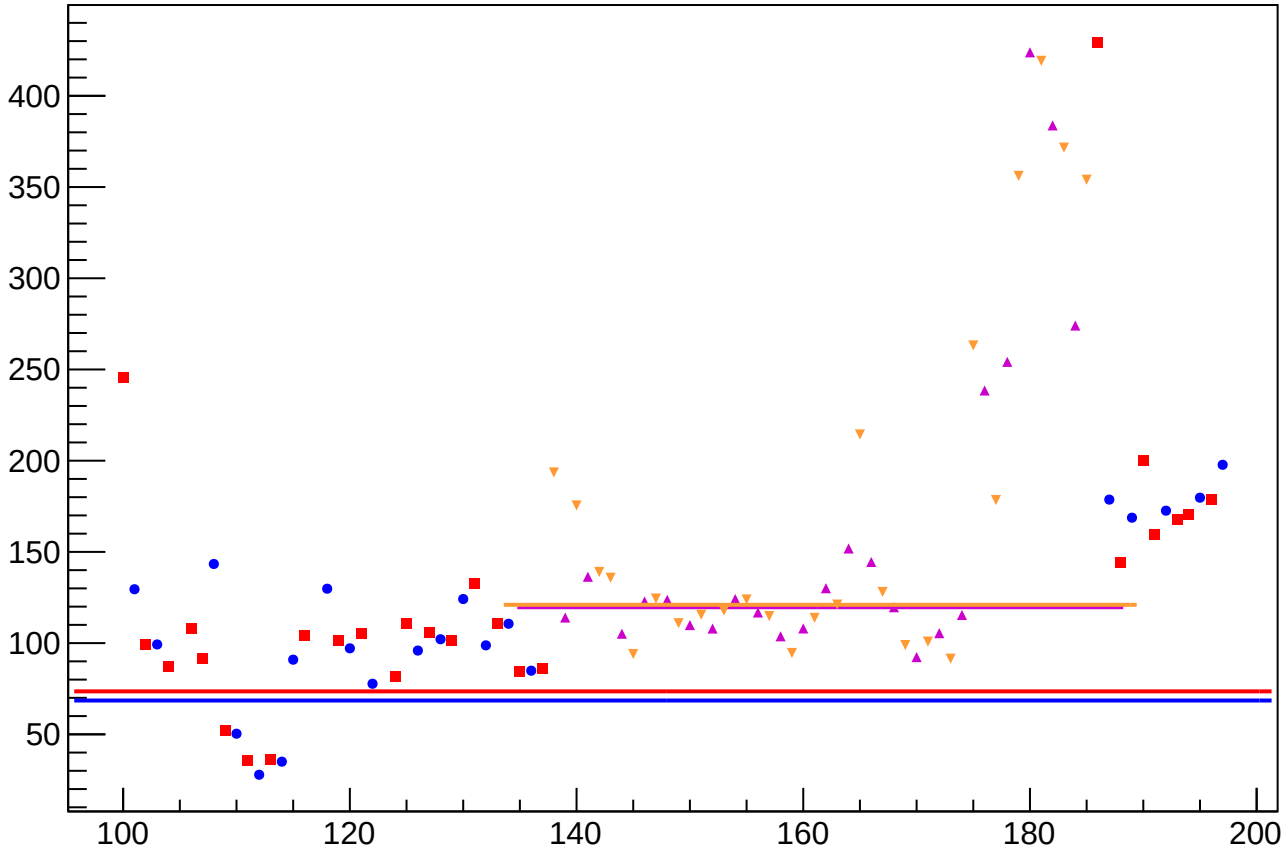
+ sign 0.003+/-0.000 χ^2/NDF: 15604193.2/45

All: 0.004+/-0.000 χ^2/NDF: 32035674.7/94

- sign 0.004+/-0.000 χ^2/NDF: 16281639.5/48


asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.065+/-0.026 χ²/NDF: 23.5/20
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: 0.016+/-0.026 χ²/NDF: 30.2/25
Left In: -0.019+/-0.030 χ²/NDF:23.0/22
+ sign 0.027+/-0.020 χ²/NDF: 50.7/45
All: 0.014+/-0.014 χ²/NDF: 105.5/94
- sign 0.001+/-0.019 χ²/NDF: 53.9/48

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.540+/-0.018 χ^2/NDF: 6211468.5/20

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

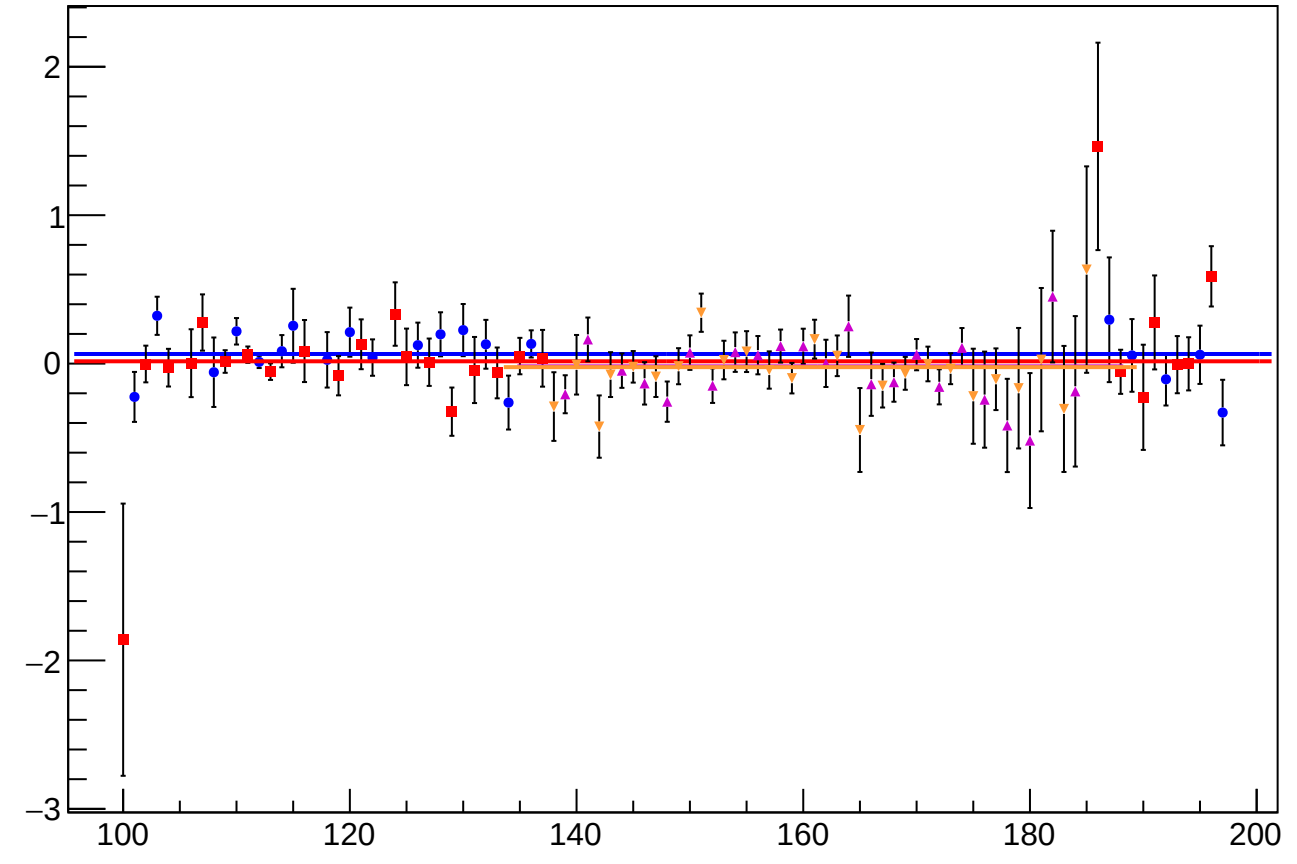
Right Out: 73.558+/-0.018 χ^2/NDF: 5904439.4/25

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 91.194+/-0.014 χ^2/NDF: 13803896.6/45

All: 91.975+/-0.010 χ^2/NDF: 25272529.6/94

- sign 92.744+/-0.014 χ^2/NDF: 11462365.2/48



Right In: 0.065+/-0.026 χ^2/NDF: 23.5/20

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.016+/-0.026 χ^2/NDF: 30.2/25

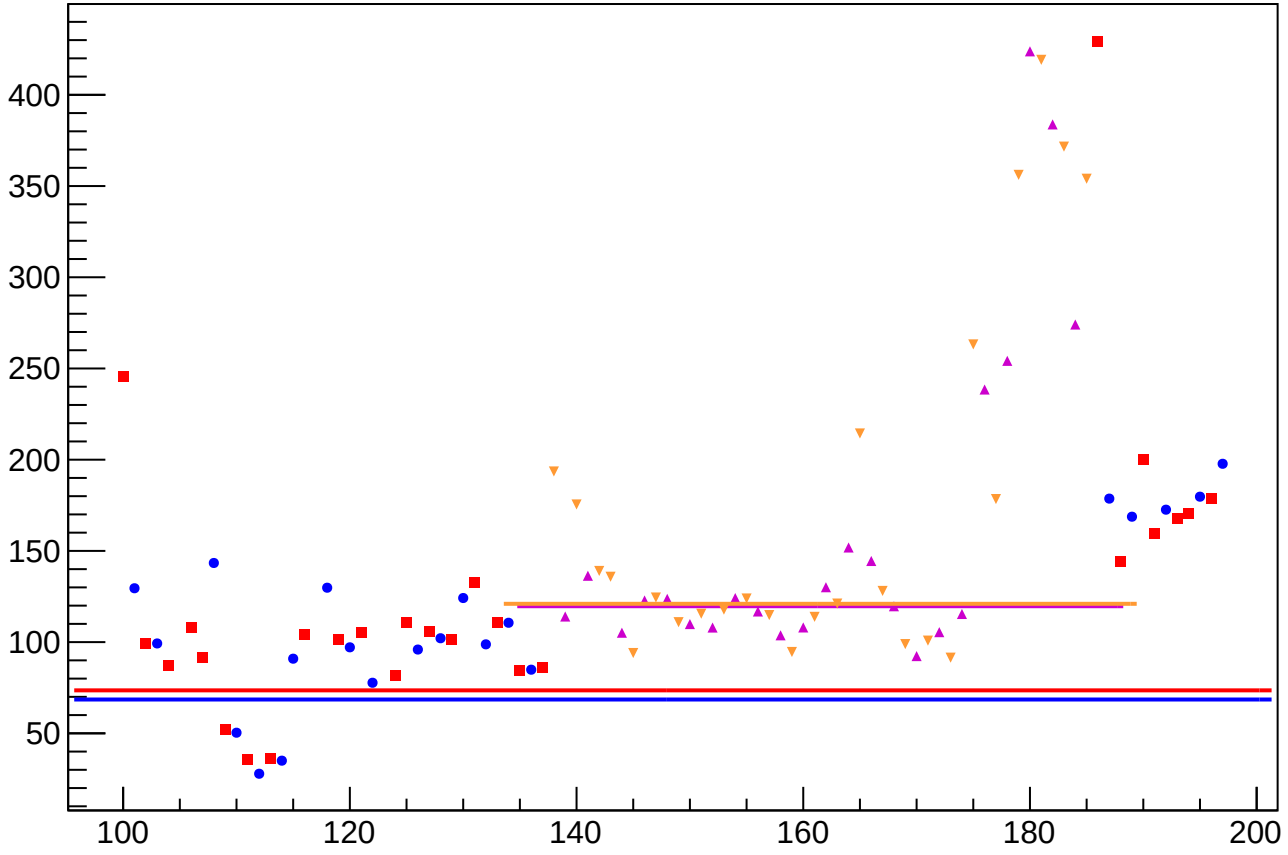
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.027+/-0.020 χ^2/NDF: 50.7/45

All: 0.014+/-0.014 χ^2/NDF: 105.5/94

- sign 0.001+/-0.019 χ^2/NDF: 53.9/48

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.540+/-0.018 χ^2/NDF: 6211468.5/20

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 73.558+/-0.018 χ^2/NDF: 5904439.4/25

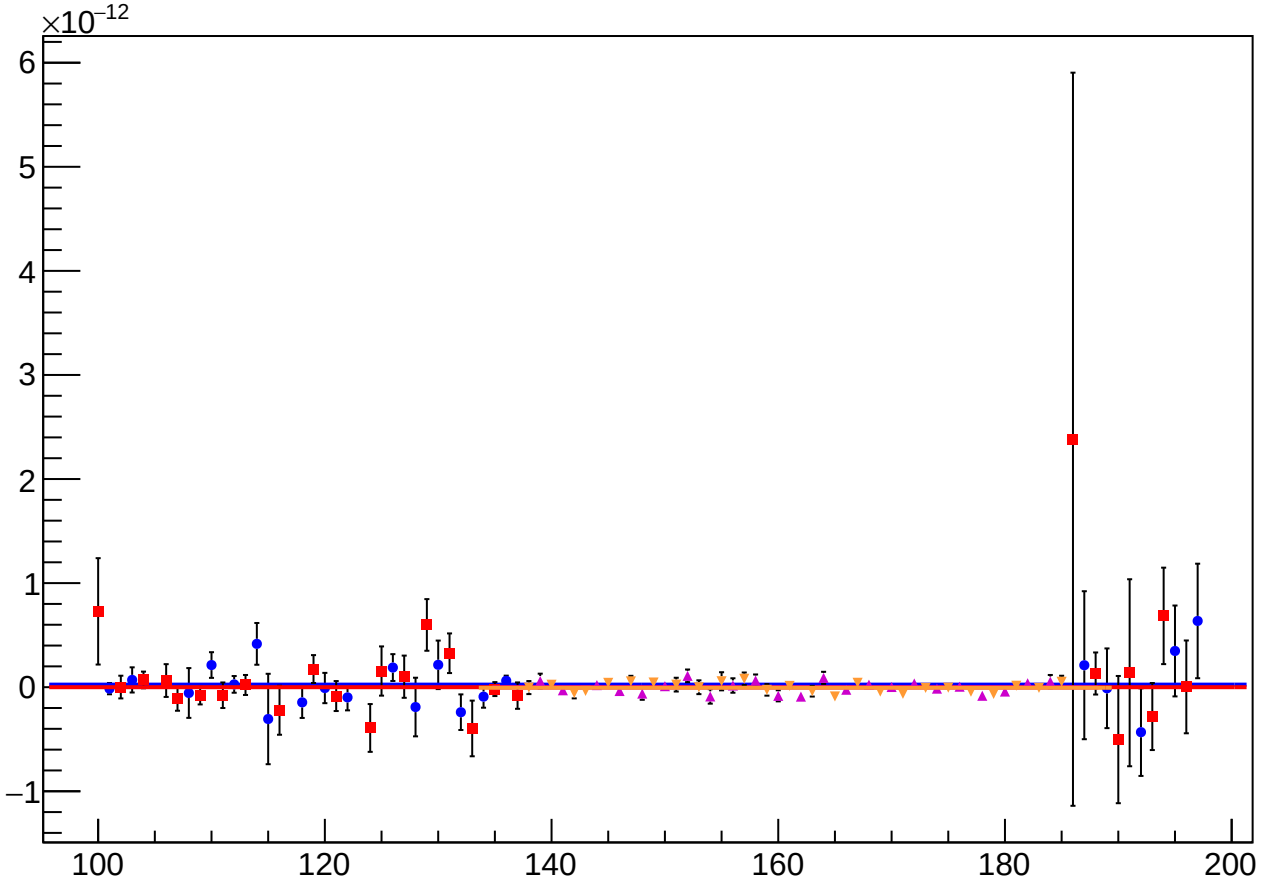
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 91.194+/-0.014 χ^2/NDF: 13803896.6/45

All: 91.975+/-0.010 χ^2/NDF: 25272529.6/94

- sign 92.744+/-0.014 χ^2/NDF: 11462365.2/48

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/25

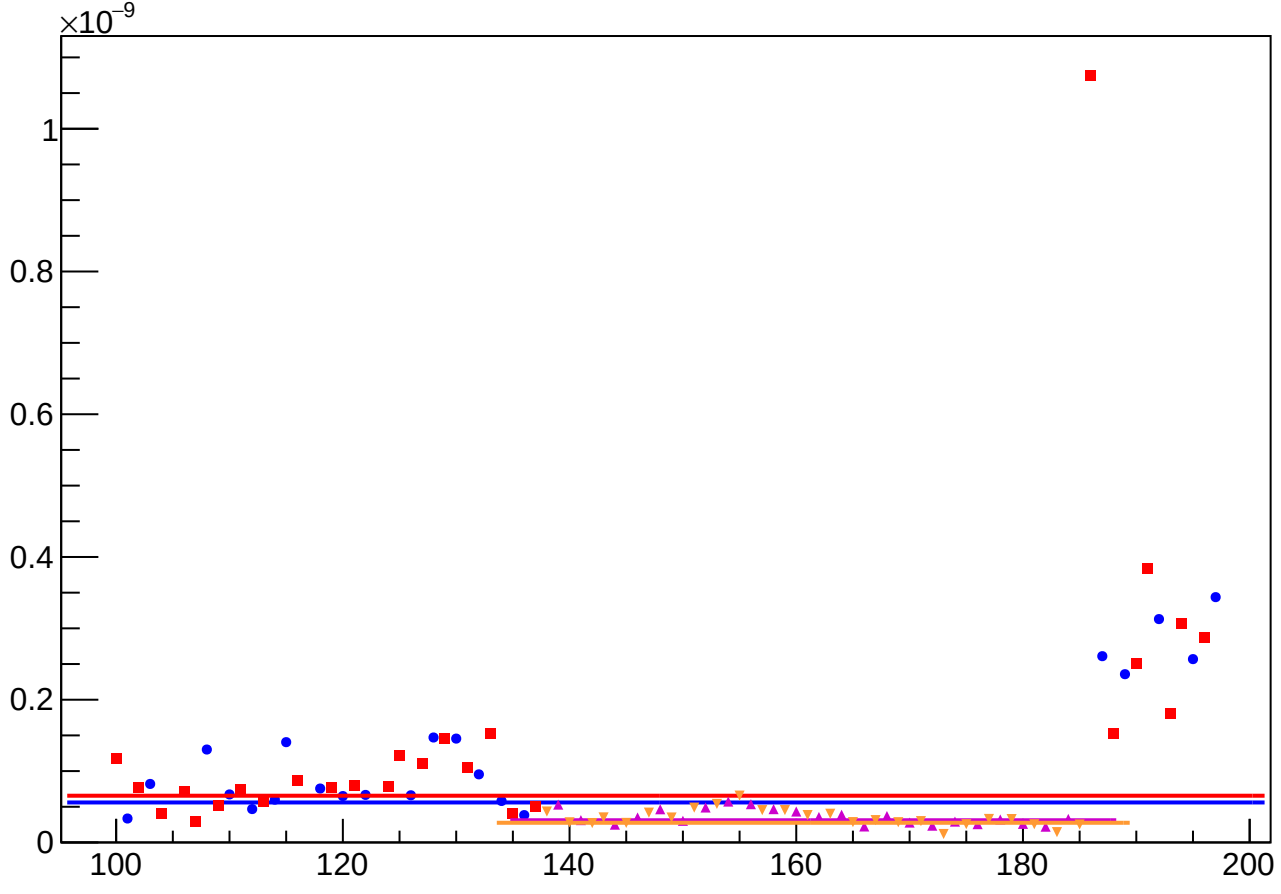
Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.3/45

All: -0.000+/-0.000 χ^2/NDF: 98.6/94

- sign -0.000+/-0.000 χ^2/NDF: 55.3/48

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4008397.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3874432.3/25

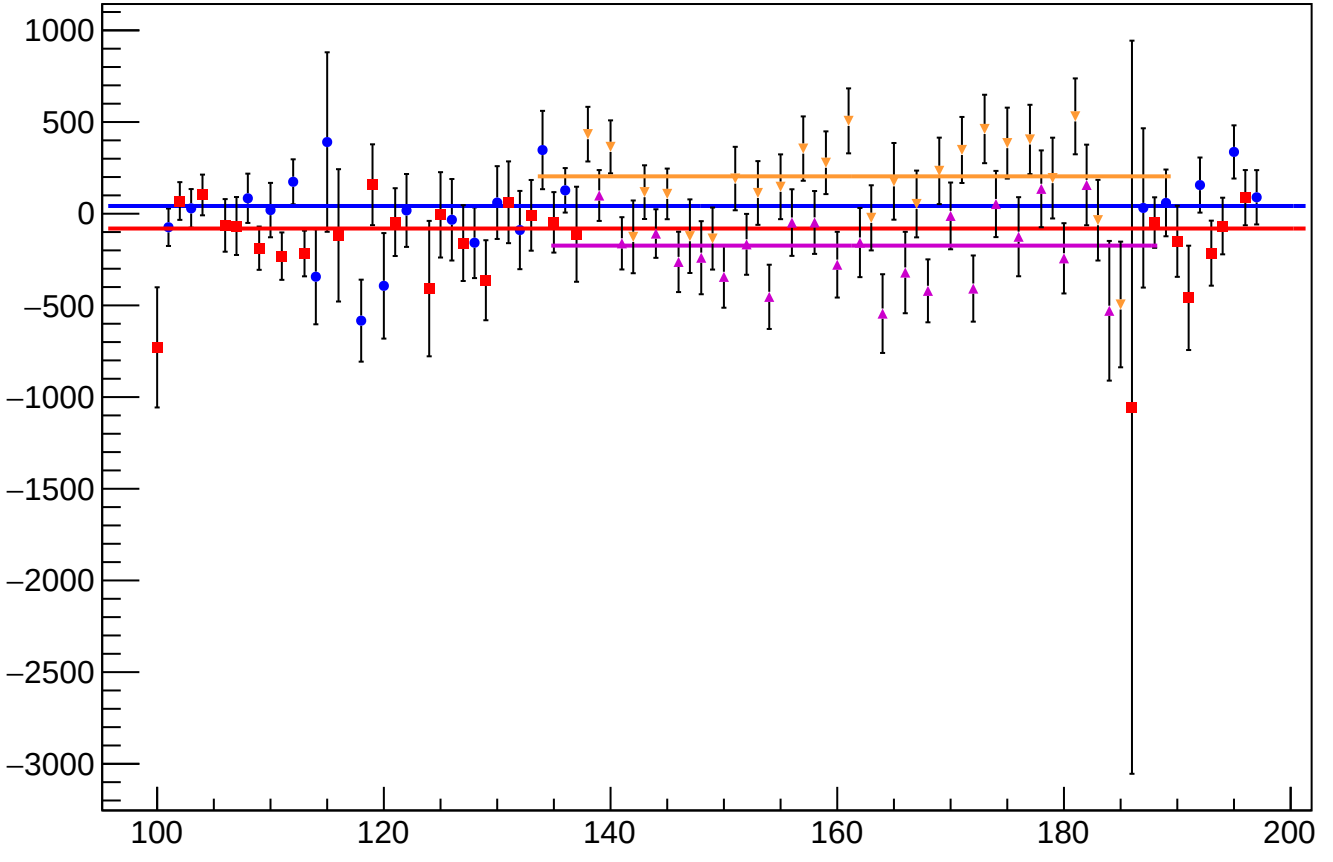
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9887375.1/45

All: 0.000+/-0.000 χ^2/NDF: 18644150.0/94

- sign 0.000+/-0.000 χ^2/NDF: 8496023.4/48

reg_asym_sam5_mean vs Slug



Right In: 42.115+/-35.645 χ^2/NDF: 24.4/20

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -80.801+/-33.229 χ^2/NDF: 20.7/25

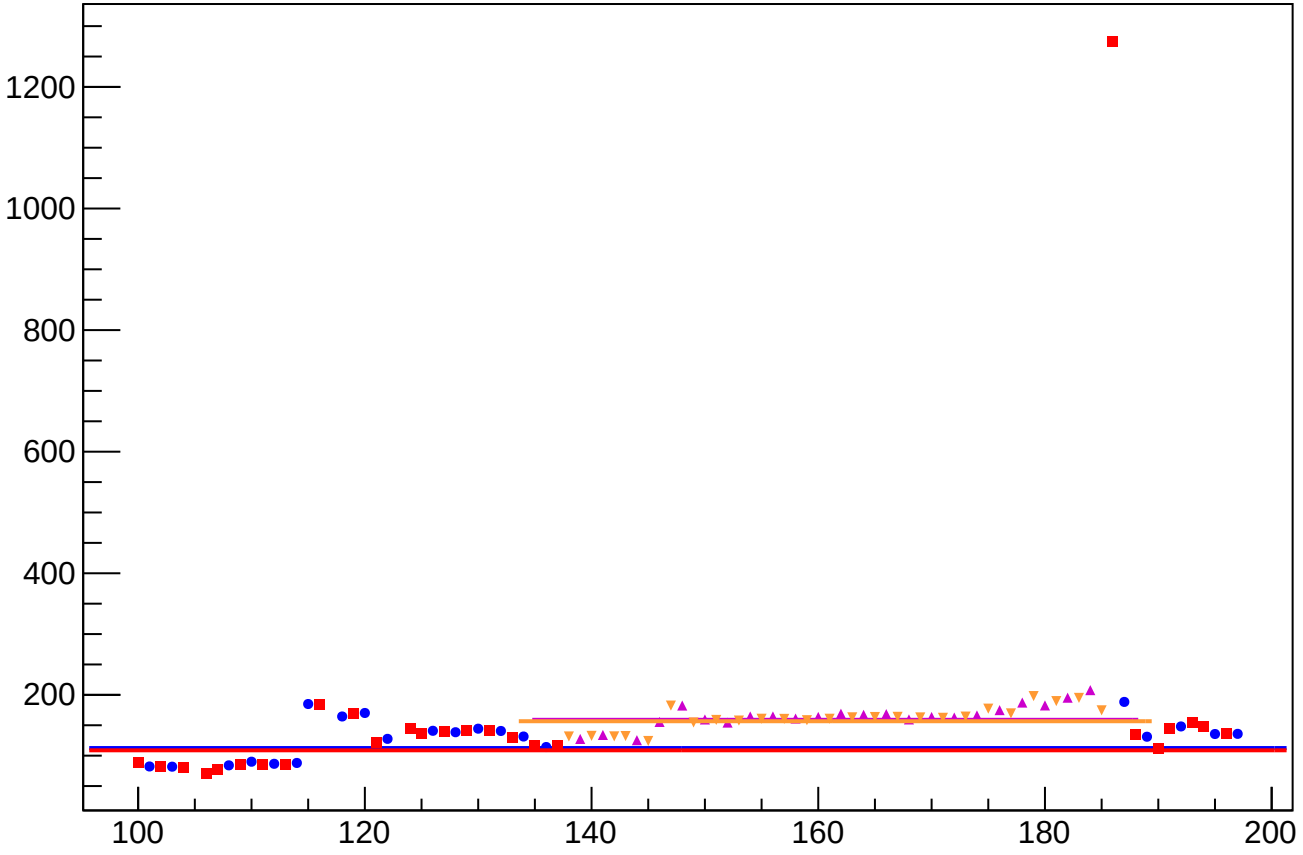
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 122.413+/-25.287 χ^2/NDF: 67.5/45

All: -1.909+/-17.721 χ^2/NDF: 163.6/94

- sign -121.898+/-24.842 χ^2/NDF: 48.7/48

reg_asym_sam5_rms vs Slug



Right In: 112.514+/-0.025 χ^2/NDF: 1297477.6/20

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 108.811+/-0.023 χ^2/NDF: 2271971.4/25

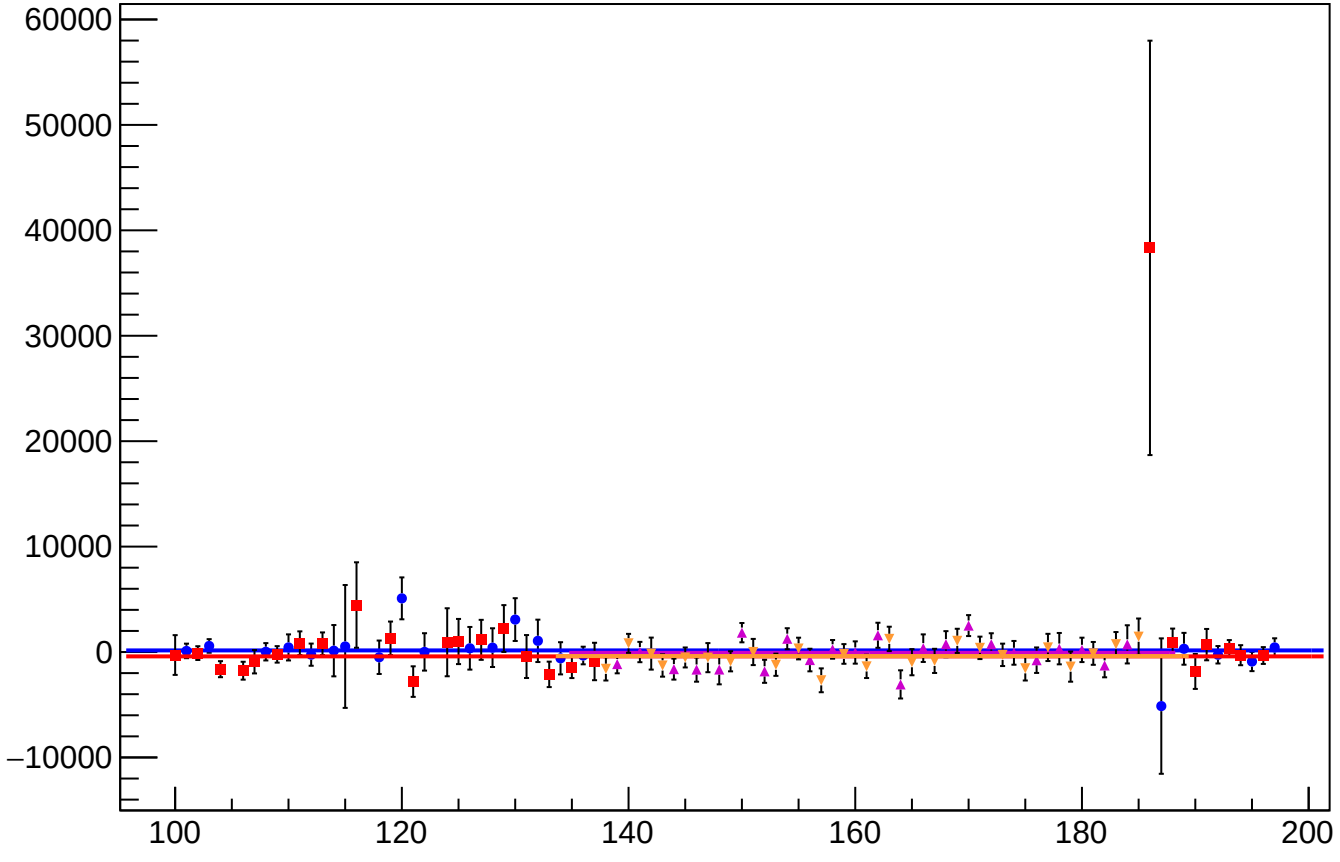
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.433+/-0.018 χ^2/NDF: 3402187.5/45

All: 132.649+/-0.013 χ^2/NDF: 8213670.2/94

- sign 130.927+/-0.018 χ^2/NDF: 4791919.1/48

asym_sam5_reg_correction_mean vs Slug



Right In: 153.380+/-249.435 χ^2/NDF: 12.3/20

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -412.703+/-227.035 χ^2/NDF: 26.3/25

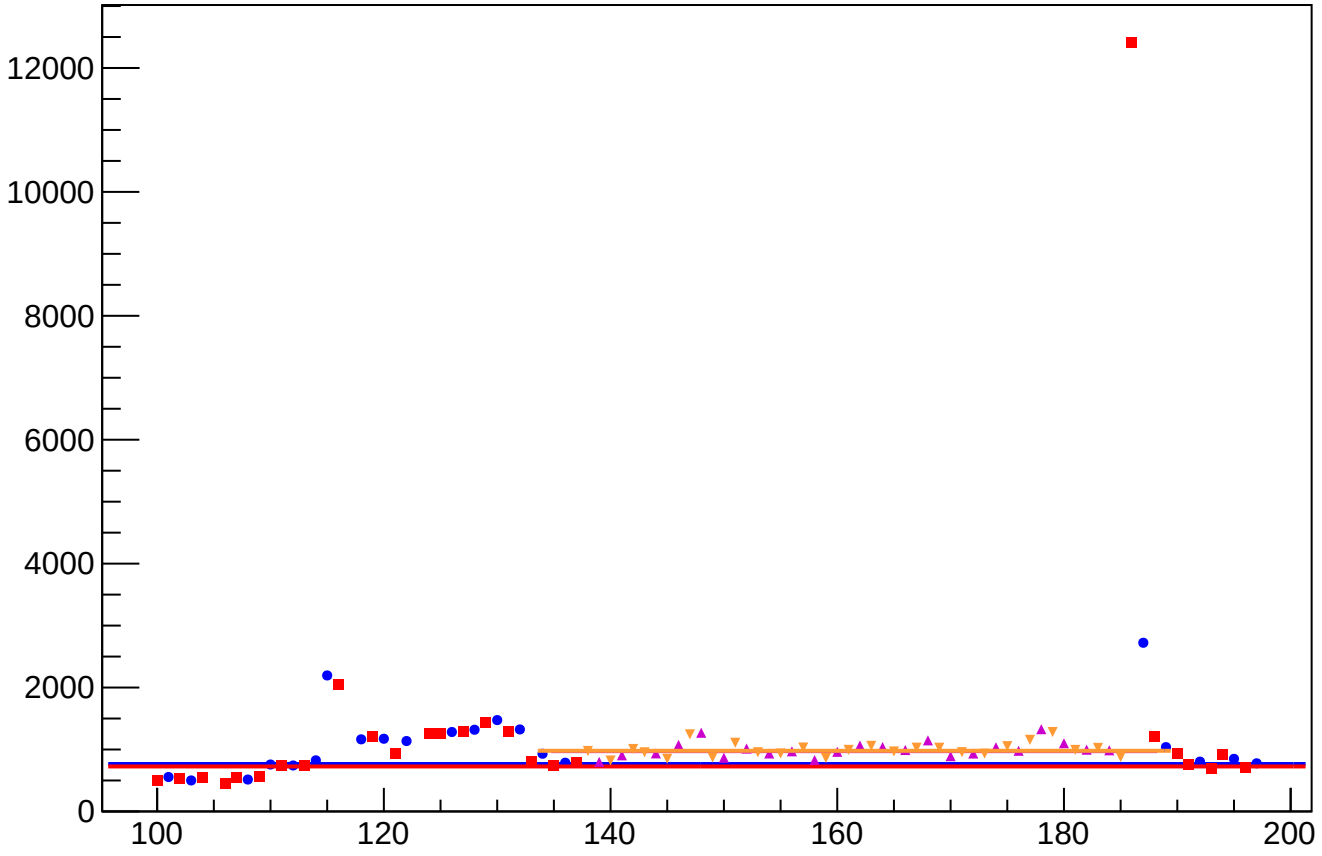
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -141.612+/-166.889 χ^2/NDF: 33.5/45

All: -195.316+/-116.057 χ^2/NDF: 94.2/94

- sign -245.610+/-161.502 χ^2/NDF: 60.5/48

asym_sam5_reg_correction_rms vs Slug



Right In: 765.389+/-0.176 χ^2/NDF: 2137179.7/20

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 726.361+/-0.161 χ^2/NDF: 2971177.0/25

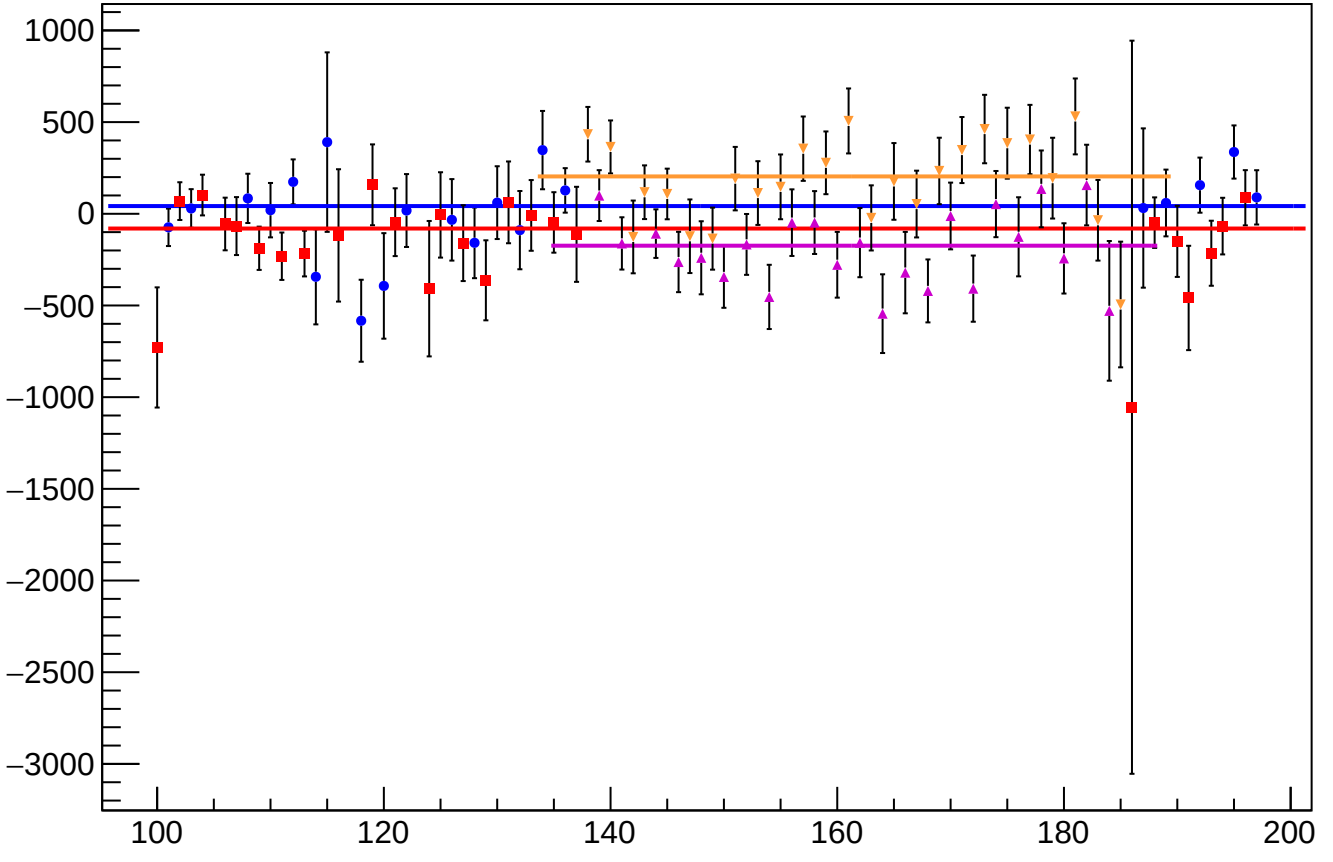
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 883.438+/-0.118 χ^2/NDF: 3377994.9/45

All: 865.447+/-0.082 χ^2/NDF: 8066466.8/94

- sign 848.598+/-0.114 χ^2/NDF: 4643461.4/48

cor_asym_sam5_mean vs Slug



Right In: 42.109+/-35.645 χ^2/NDF: 24.4/20

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -80.392+/-33.231 χ^2/NDF: 20.7/25

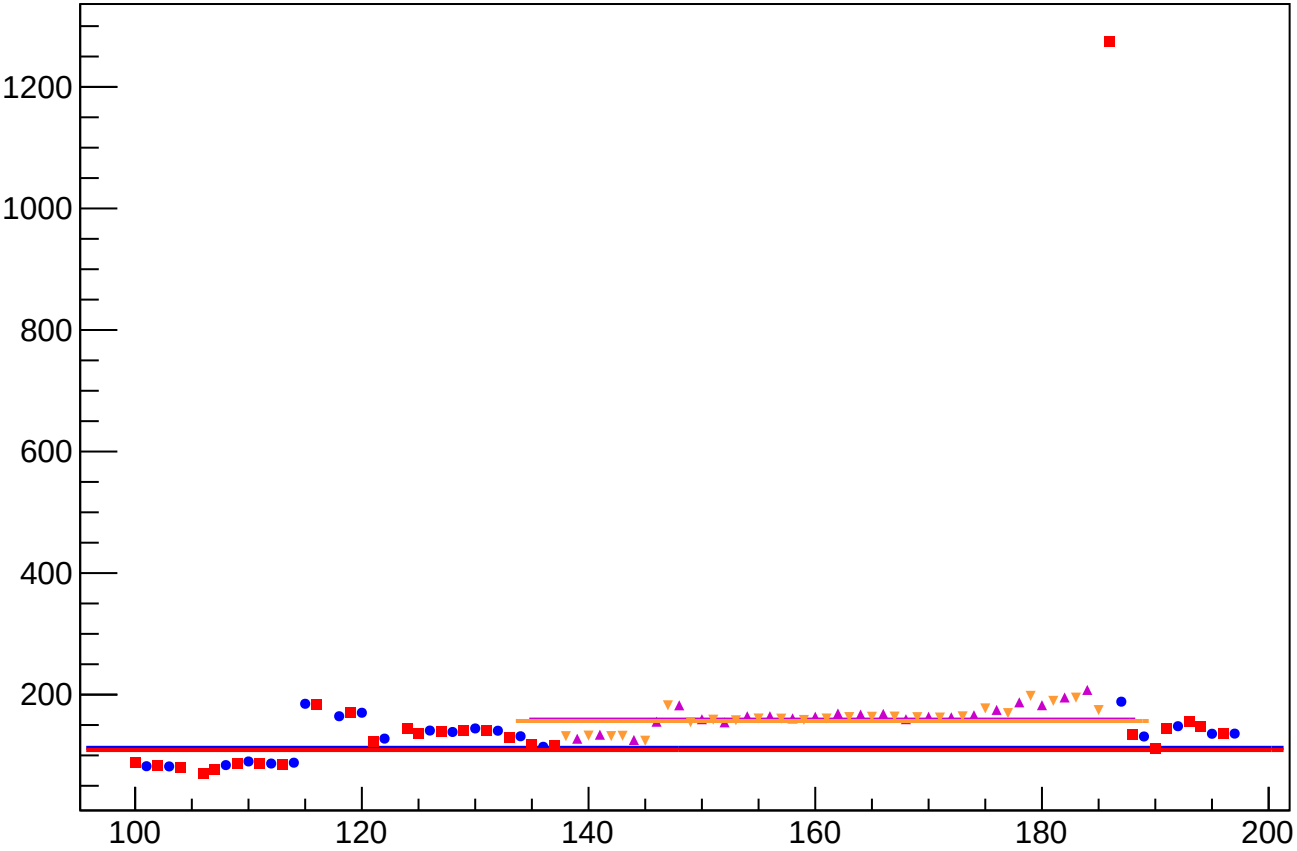
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 122.413+/-25.287 χ^2/NDF: 67.5/45

All: -1.791+/-17.722 χ^2/NDF: 163.6/94

- sign -121.674+/-24.843 χ^2/NDF: 48.7/48

cor_asym_sam5_rms vs Slug



Right In: 112.514+/-0.025 χ^2/NDF: 1297476.6/20

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 108.793+/-0.023 χ^2/NDF: 2274760.0/25

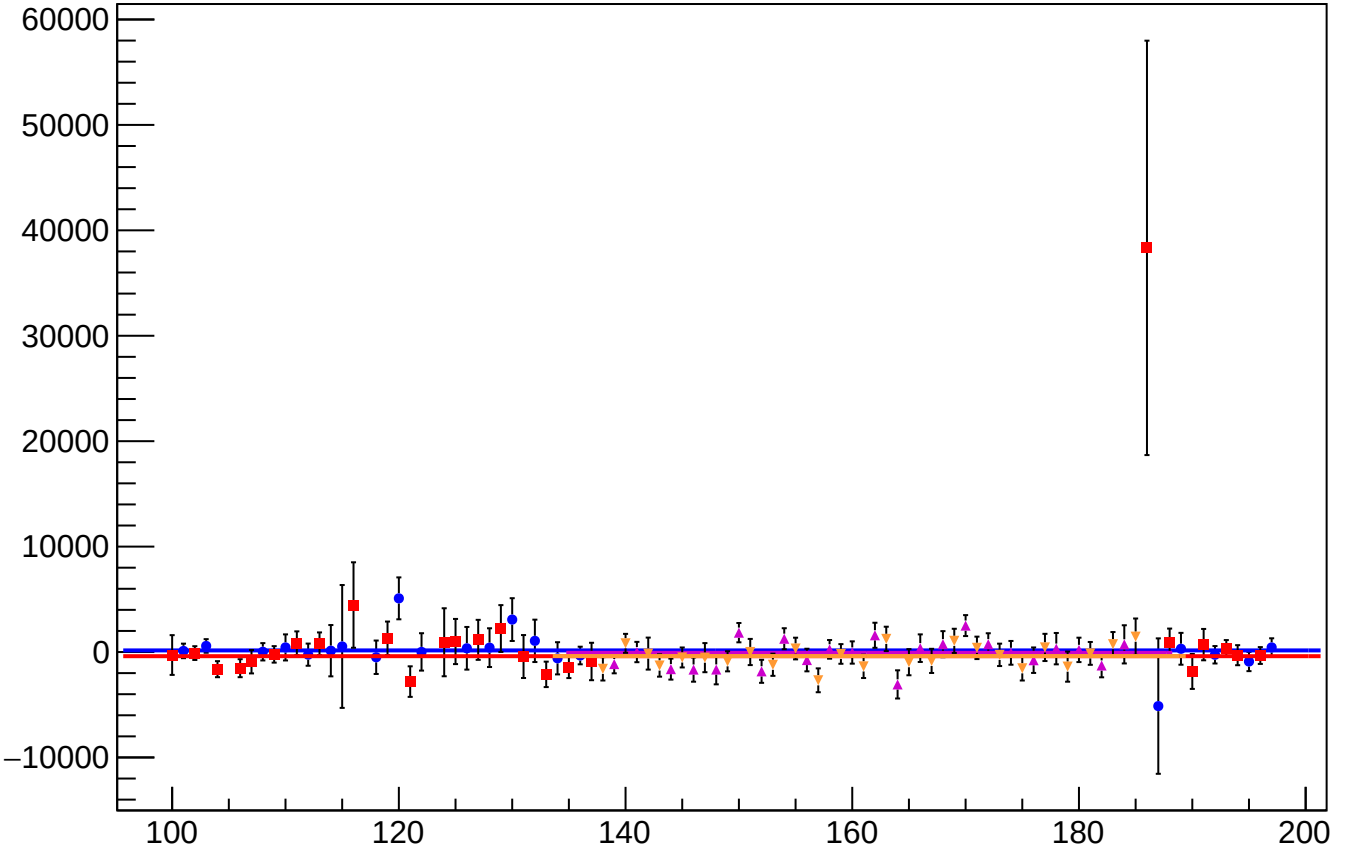
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.433+/-0.018 χ^2/NDF: 3402185.5/45

All: 132.645+/-0.013 χ^2/NDF: 8217843.2/94

- sign 130.919+/-0.018 χ^2/NDF: 4796001.3/48

asym_sam5_cor_correction_mean vs Slug



Right In: 153.380+/-249.434 χ^2/NDF: 12.3/20

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -394.286+/-227.141 χ^2/NDF: 25.5/25

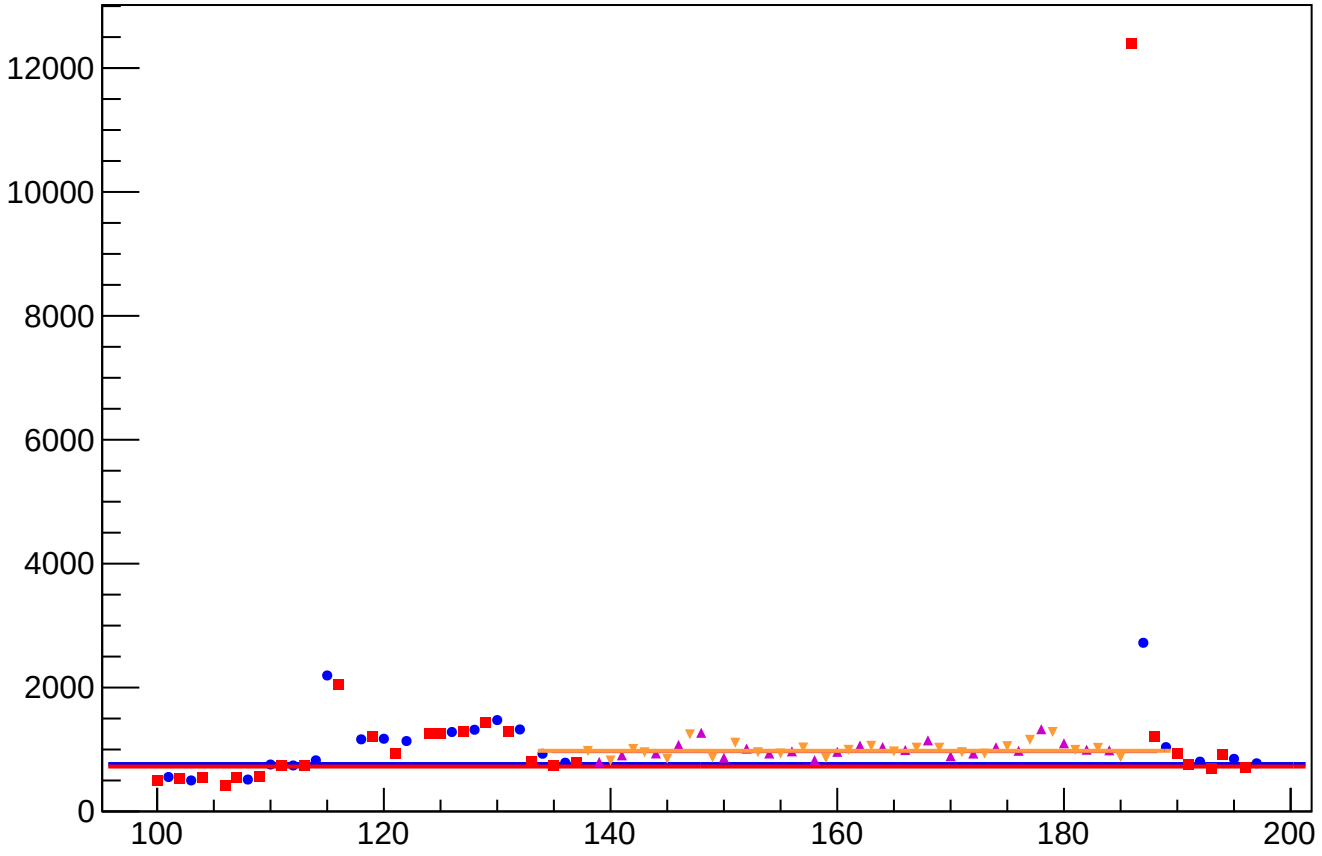
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -141.605+/-166.889 χ^2/NDF: 33.5/45

All: -190.450+/-116.071 χ^2/NDF: 93.2/94

- sign -236.215+/-161.541 χ^2/NDF: 59.5/48

asym_sam5_cor_correction_rms vs Slug



Right In: 765.388+/-0.176 χ^2/NDF: 2137182.2/20

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 724.893+/-0.161 χ^2/NDF: 3007084.6/25

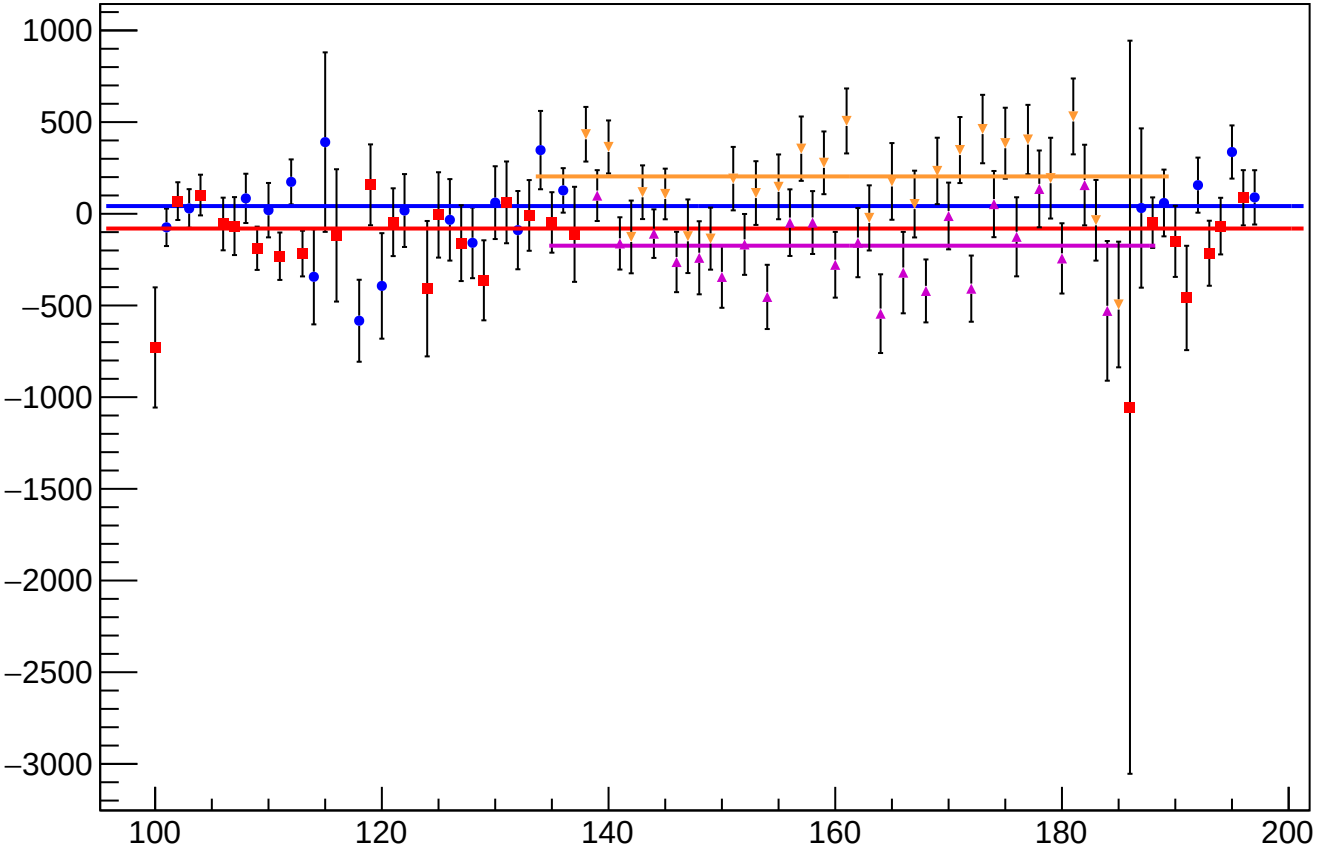
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 883.438+/-0.118 χ^2/NDF: 3378000.2/45

All: 865.097+/-0.082 χ^2/NDF: 8117582.1/94

- sign 847.913+/-0.114 χ^2/NDF: 4692794.9/48

eigen_cor_asym_sam5_mean vs Slug



Right In: 42.109+/-35.645 χ^2/NDF: 24.4/20

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -80.392+/-33.231 χ^2/NDF: 20.7/25

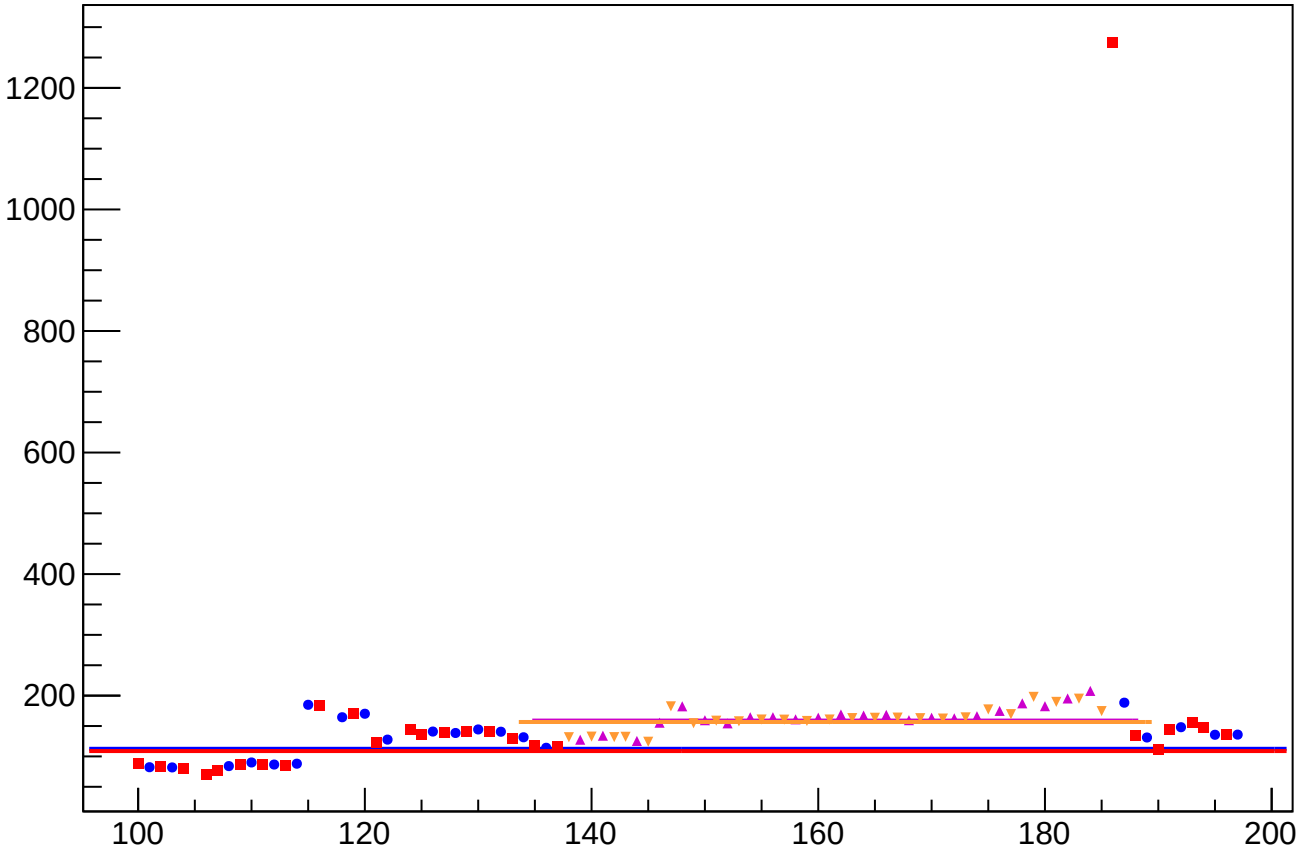
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 122.413+/-25.287 χ^2/NDF: 67.5/45

All: -1.791+/-17.722 χ^2/NDF: 163.6/94

- sign -121.674+/-24.843 χ^2/NDF: 48.7/48

eigen_cor_asym_sam5_rms vs Slug



Right In: 112.514+/-0.025 χ^2/NDF: 1297476.6/20

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 108.793+/-0.023 χ^2/NDF: 2274760.0/25

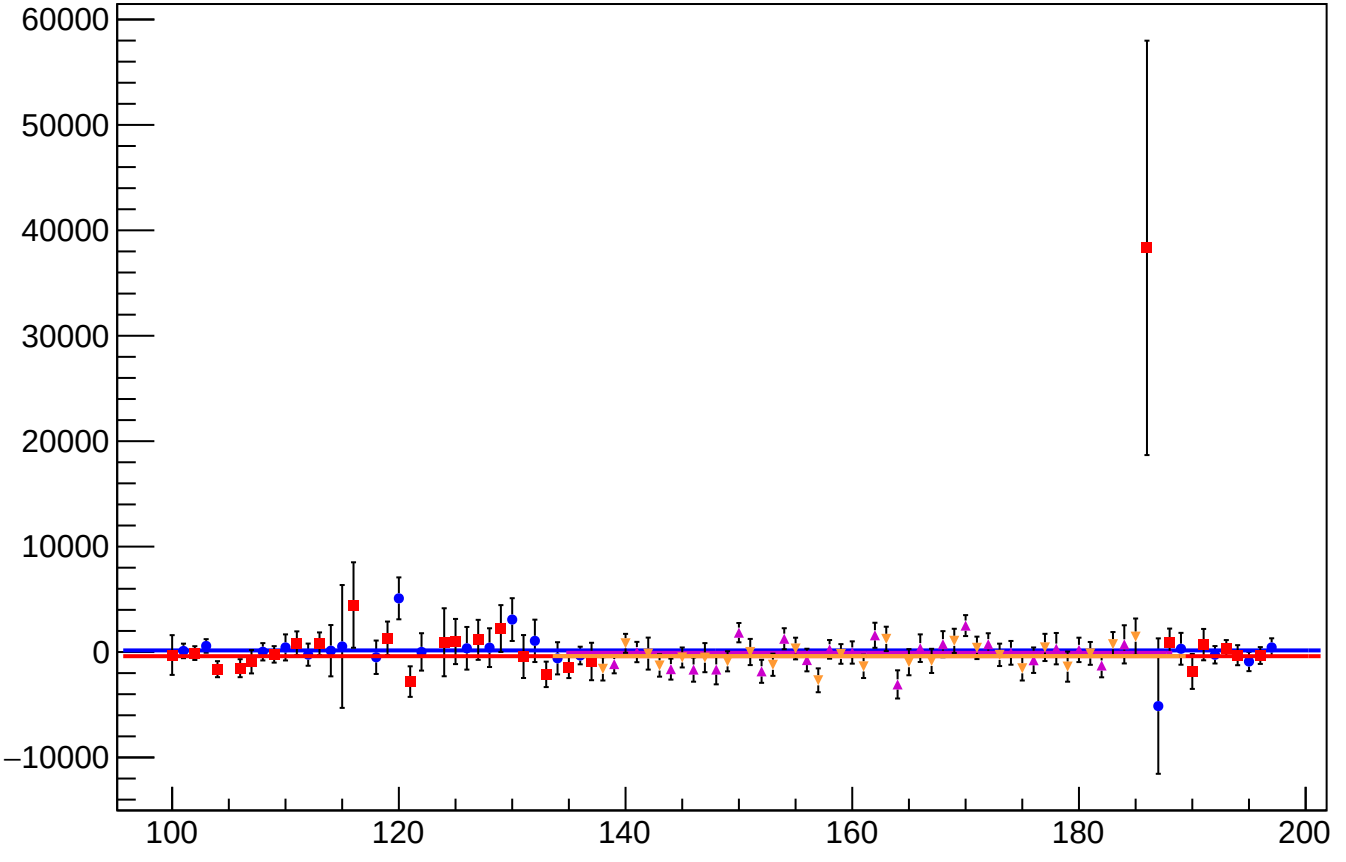
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.433+/-0.018 χ^2/NDF: 3402185.5/45

All: 132.645+/-0.013 χ^2/NDF: 8217843.2/94

- sign 130.919+/-0.018 χ^2/NDF: 4796001.3/48

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 153.380+/-249.434 χ^2/NDF: 12.3/20

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -394.286+/-227.141 χ^2/NDF: 25.5/25

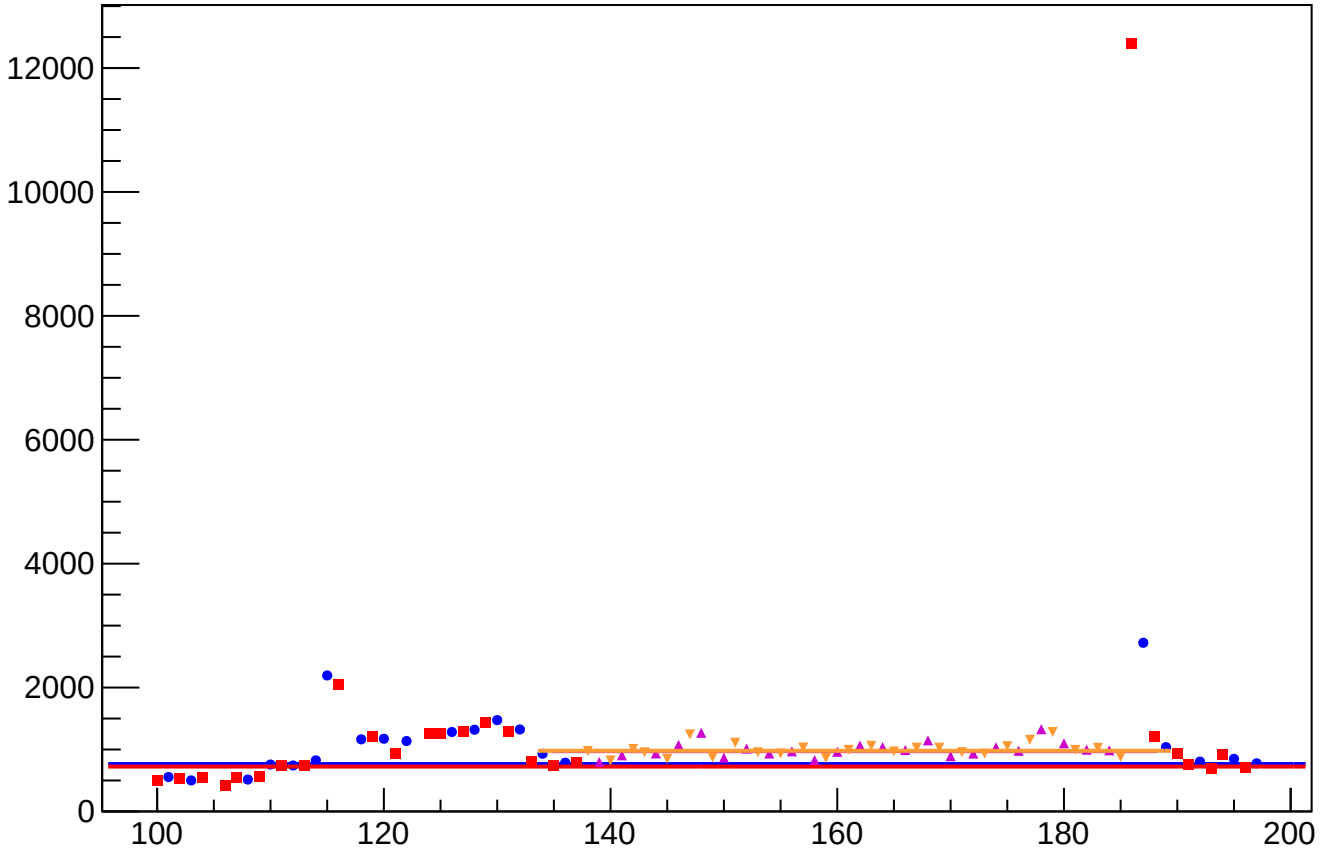
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -141.605+/-166.889 χ^2/NDF: 33.5/45

All: -190.450+/-116.071 χ^2/NDF: 93.2/94

- sign -236.215+/-161.541 χ^2/NDF: 59.5/48

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 765.388+/-0.176 χ^2/NDF: 2137182.2/20

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

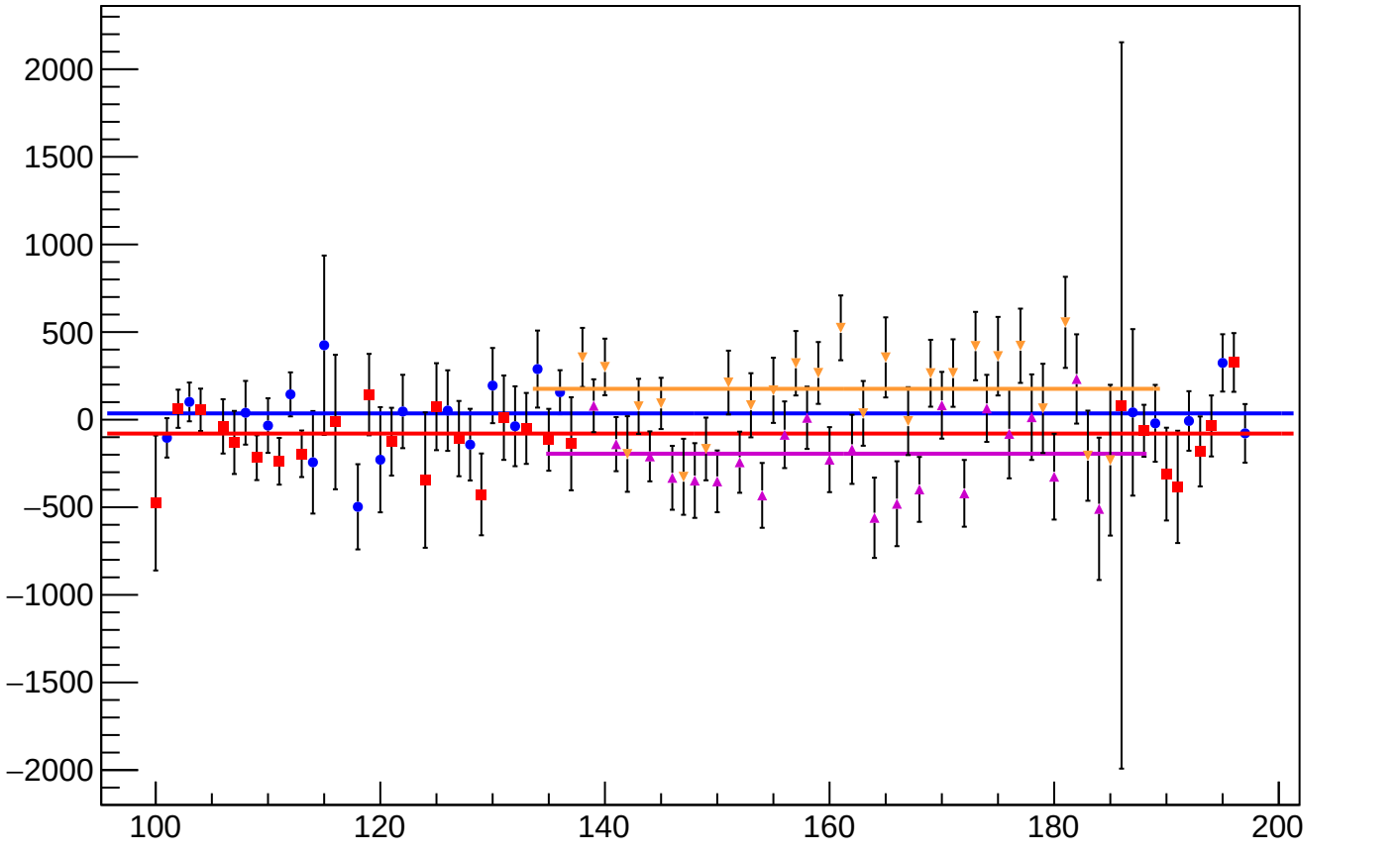
Right Out: 724.893+/-0.161 χ^2/NDF: 3007084.6/25

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 883.438+/-0.118 χ^2/NDF: 3378000.2/45

All: 865.097+/-0.082 χ^2/NDF: 8117582.1/94

- sign 847.913+/-0.114 χ^2/NDF: 4692794.9/48



Right In: 35.742+/-38.840 χ^2/NDF: 17.3/20

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -79.395+/-35.995 χ^2/NDF: 19.7/25

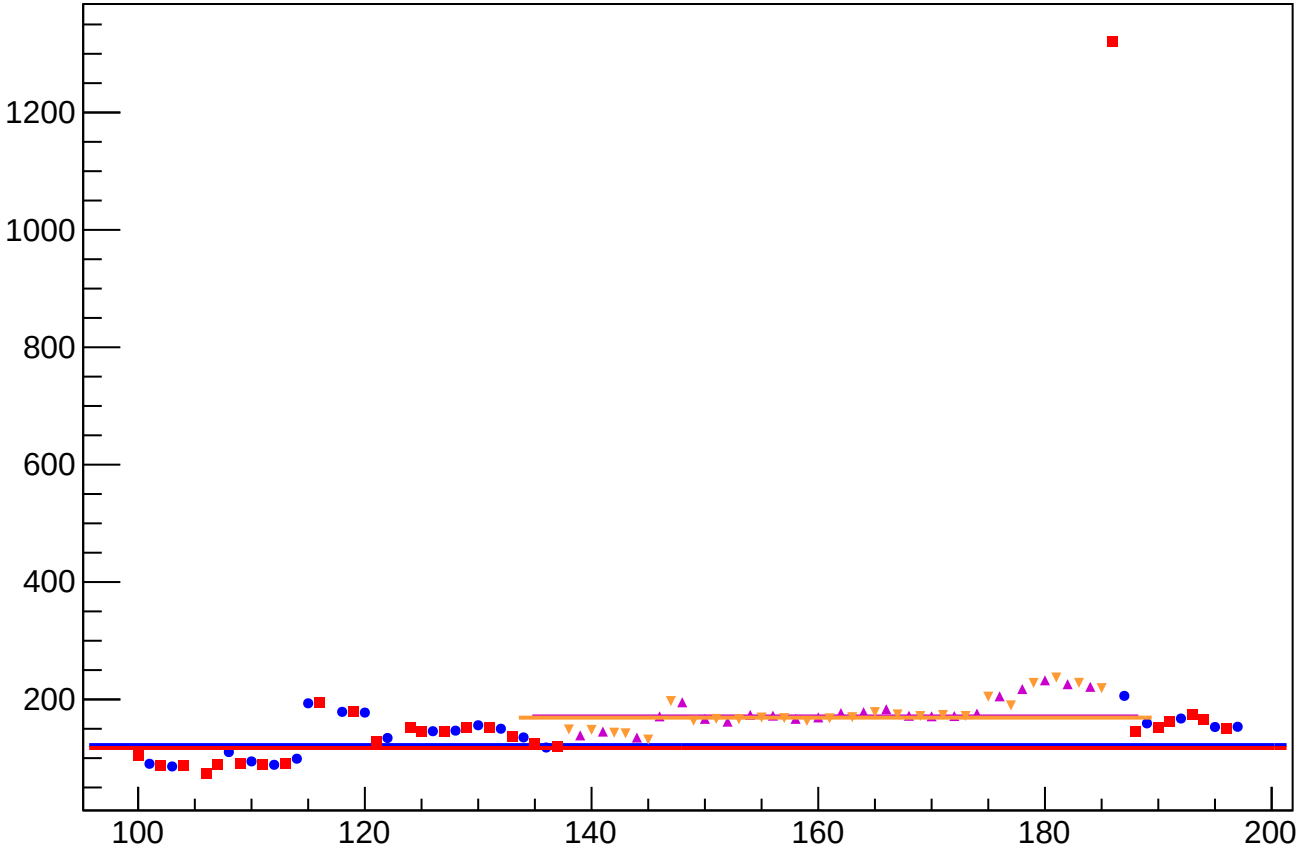
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 105.881+/-27.463 χ^2/NDF: 54.6/45

All: -14.775+/-19.206 χ^2/NDF: 140.4/94

- sign -130.277+/-26.870 χ^2/NDF: 48.0/48

dit_asym_sam5_rms vs Slug



Right In: 122.226+/-0.027 χ^2/NDF: 1367010.2/20

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 117.274+/-0.025 χ^2/NDF: 2380299.6/25

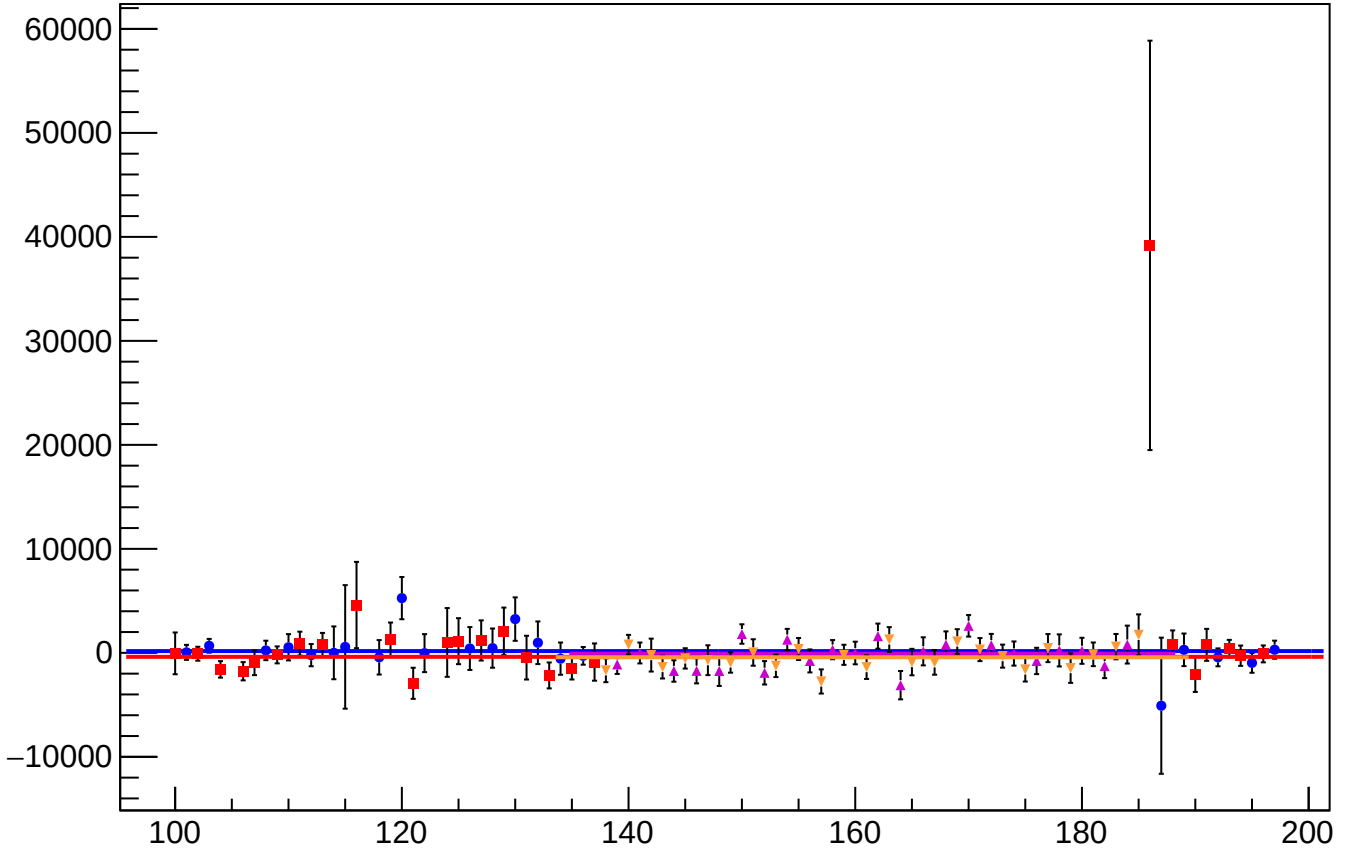
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 145.619+/-0.019 χ^2/NDF: 3591878.4/45

All: 143.295+/-0.014 χ^2/NDF: 8652549.5/94

- sign 141.069+/-0.019 χ^2/NDF: 5032625.7/48

asym_sam5_dit_correction_mean vs Slug



Right In: 167.114+/-258.775 χ^2/NDF: 12.7/20

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -382.948+/-234.885 χ^2/NDF: 26.2/25

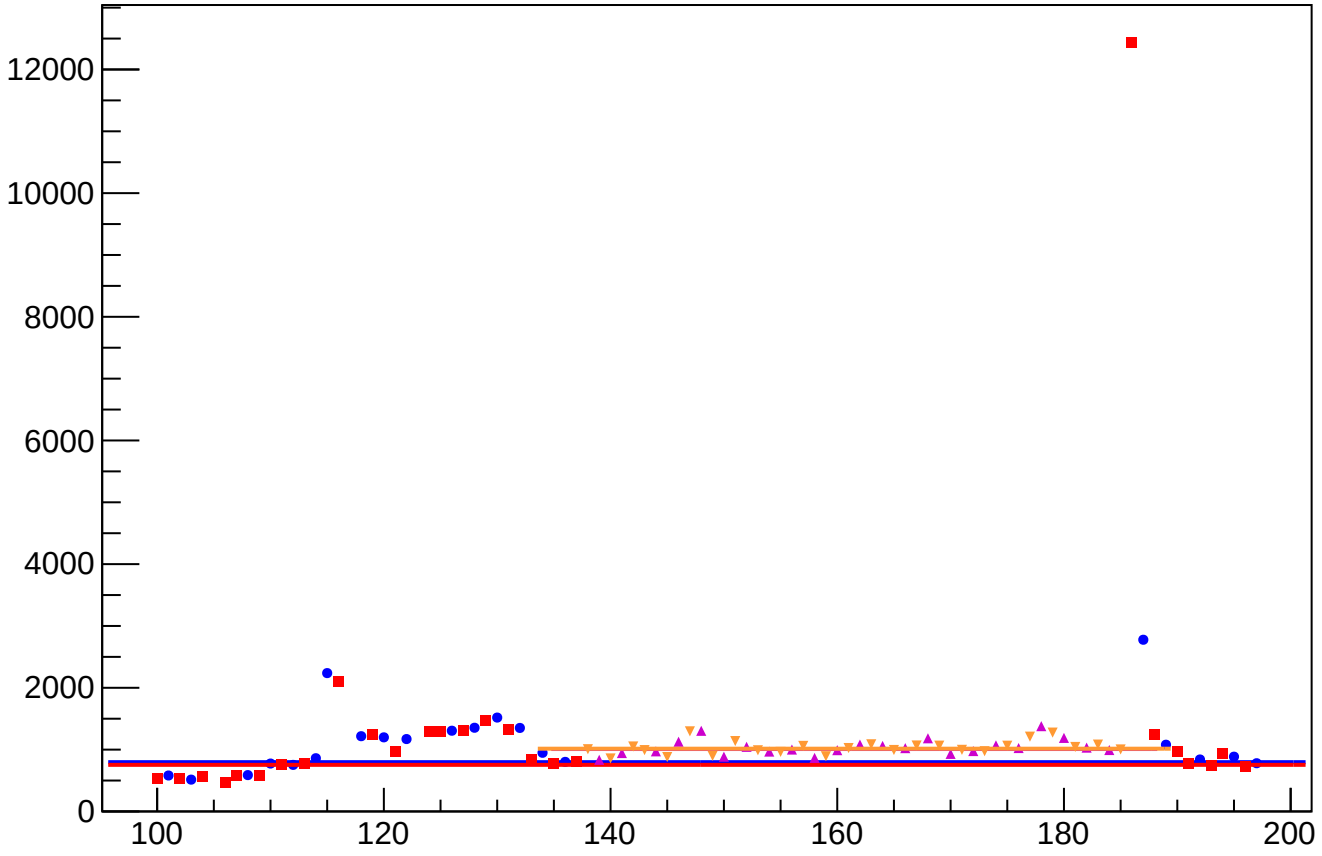
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -160.898+/-172.973 χ^2/NDF: 34.0/45

All: -200.111+/-120.230 χ^2/NDF: 93.5/94

- sign -236.766+/-167.233 χ^2/NDF: 59.3/48

asym_sam5_dit_correction_rms vs Slug



Right In: 797.077+/-0.183 χ^2/NDF: 2027323.8/20

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

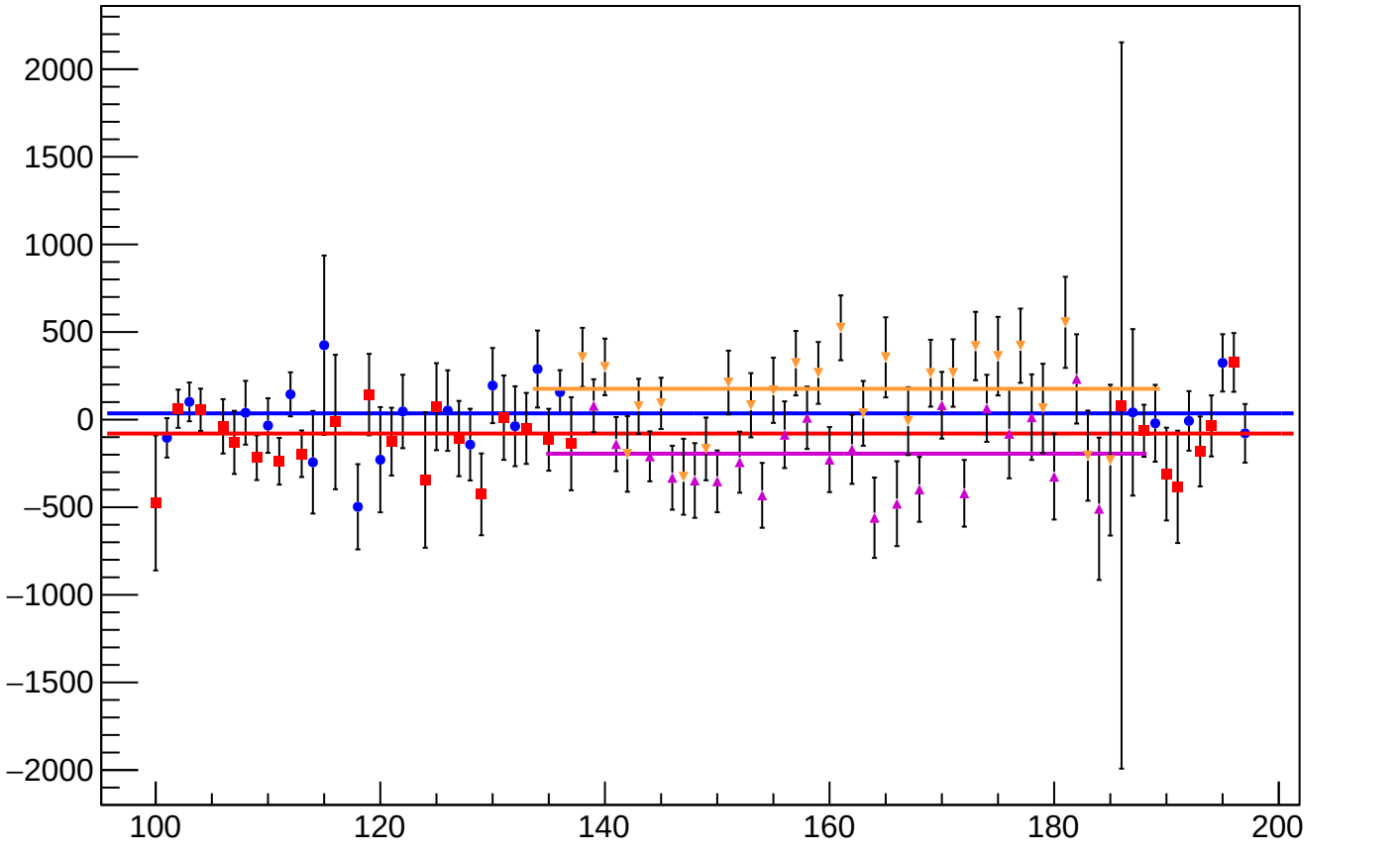
Right Out: 753.920+/-0.166 χ^2/NDF: 2893525.6/25

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 917.658+/-0.122 χ^2/NDF: 3210268.2/45

All: 898.209+/-0.085 χ^2/NDF: 7820680.0/94

- sign 880.028+/-0.118 χ^2/NDF: 4561489.1/48



Right In: 35.741+/-38.840 χ^2/NDF: 17.3/20

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -79.395+/-35.995 χ^2/NDF: 19.7/25

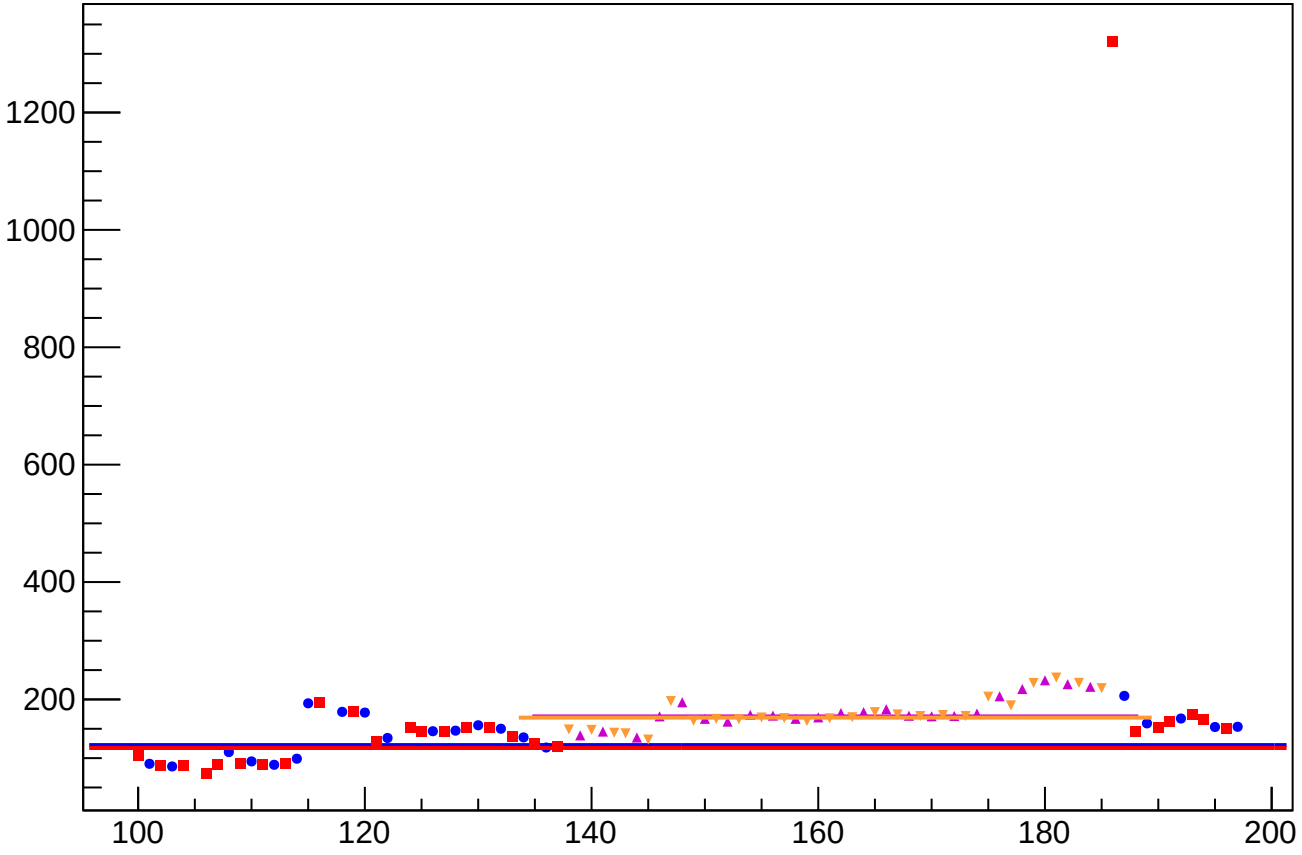
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 105.881+/-27.463 χ^2/NDF: 54.6/45

All: -14.774+/-19.206 χ^2/NDF: 140.4/94

- sign -130.277+/-26.870 χ^2/NDF: 48.0/48

eigen_dit_asym_sam5_rms vs Slug



Right In: 122.226+/-0.027 χ^2/NDF: 1367013.6/20

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 117.274+/-0.025 χ^2/NDF: 2380297.7/25

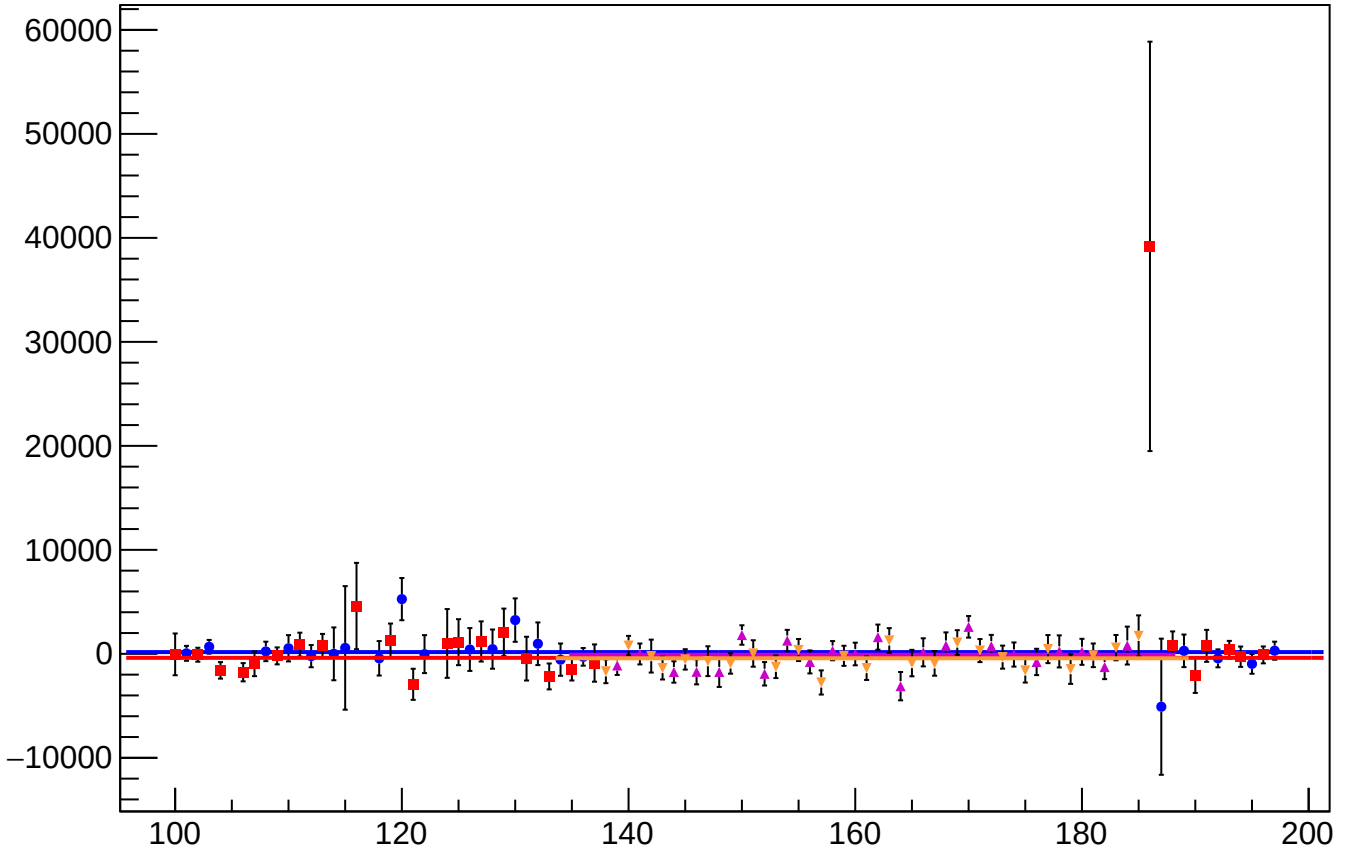
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 145.619+/-0.019 χ^2/NDF: 3591896.3/45

All: 143.294+/-0.014 χ^2/NDF: 8652587.2/94

- sign 141.069+/-0.019 χ^2/NDF: 5032646.5/48

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 167.113+/-258.775 χ^2/NDF: 12.7/20

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -382.948+/-234.885 χ^2/NDF: 26.2/25

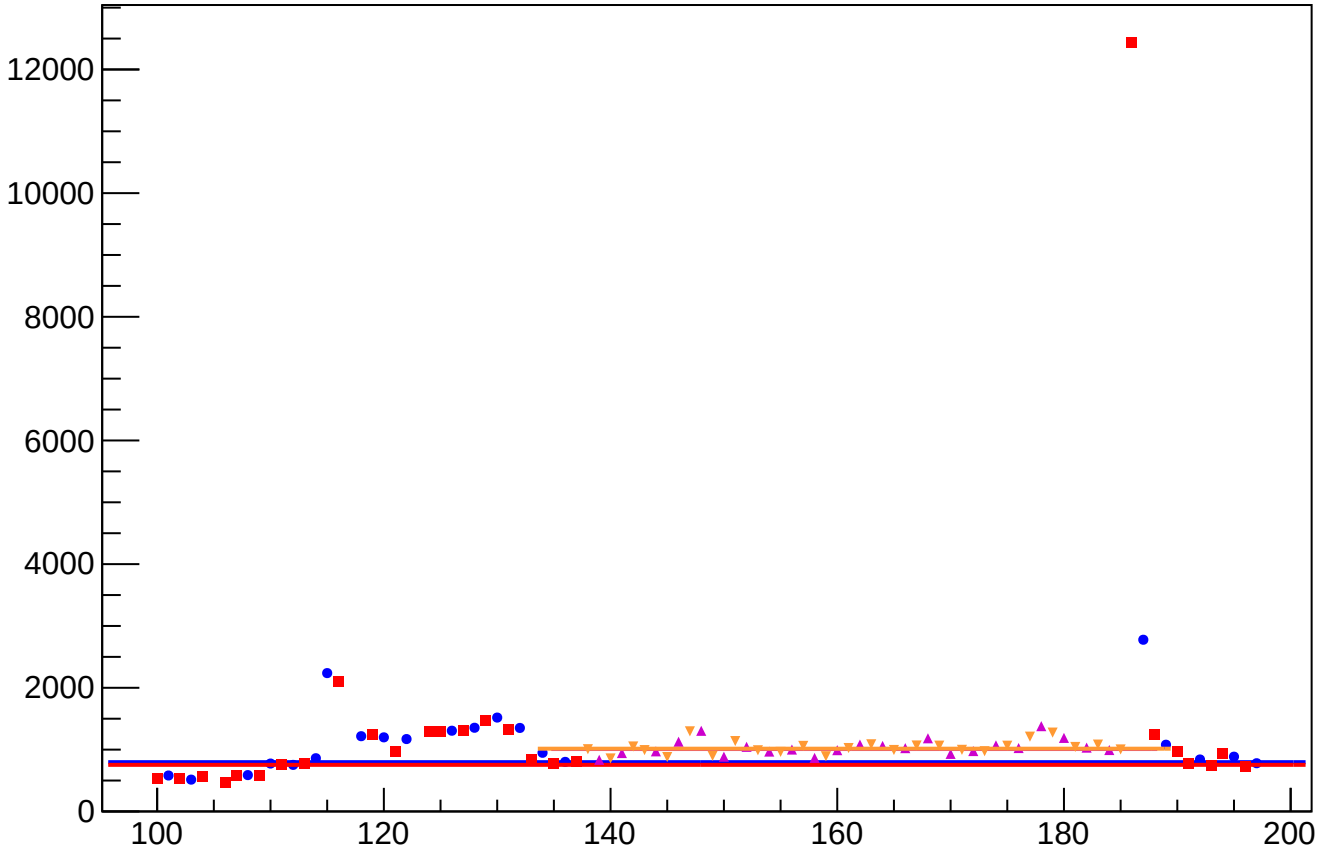
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -160.897+/-172.973 χ^2/NDF: 34.0/45

All: -200.111+/-120.230 χ^2/NDF: 93.5/94

- sign -236.767+/-167.233 χ^2/NDF: 59.3/48

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 797.077+/-0.183 χ^2/NDF: 2027323.3/20

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 753.919+/-0.166 χ^2/NDF: 2893527.1/25

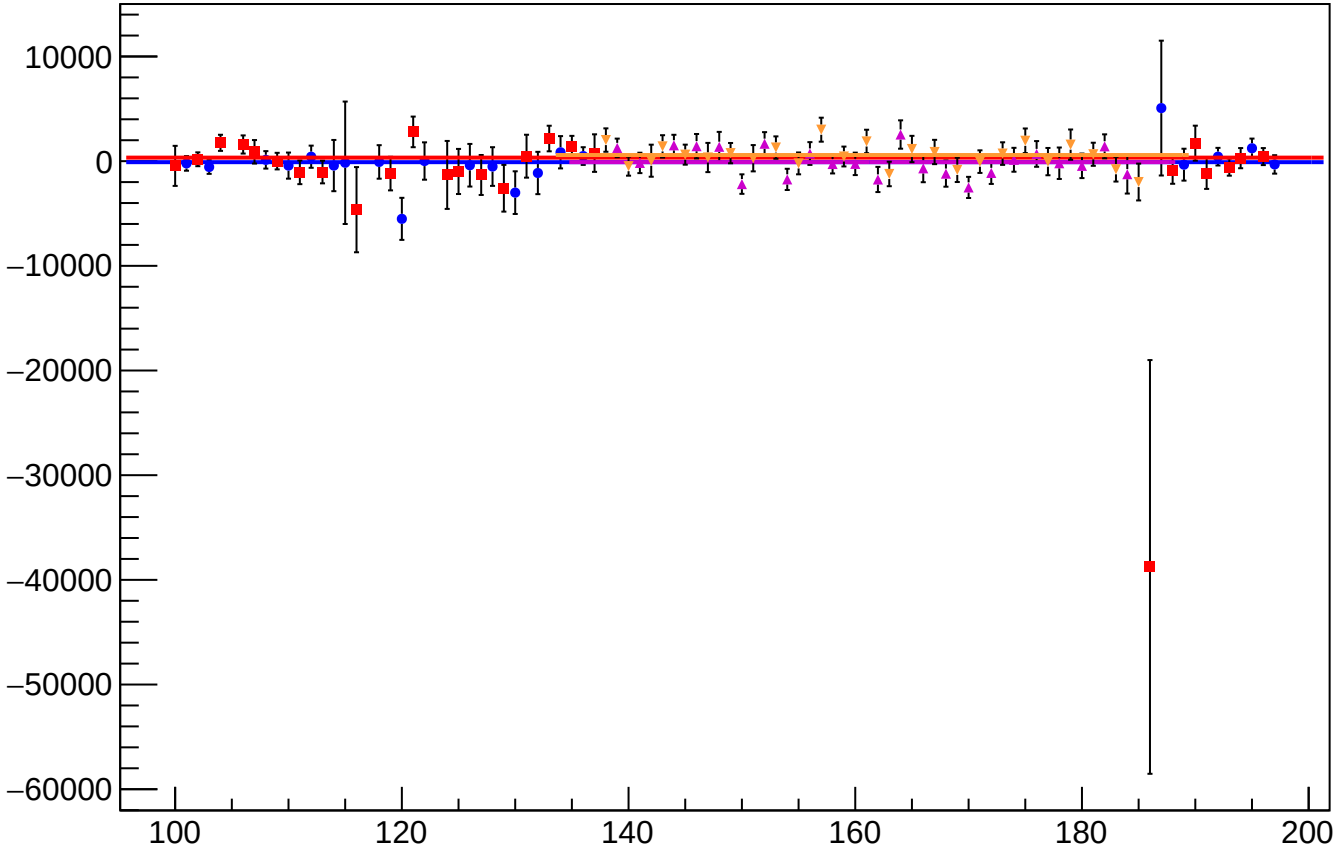
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 917.658+/-0.122 χ^2/NDF: 3210280.7/45

All: 898.209+/-0.085 χ^2/NDF: 7820711.4/94

- sign 880.029+/-0.118 χ^2/NDF: 4561508.2/48

asym_sam5_mean vs Slug



Right In: -96.443+/-252.484 χ^2/NDF: 14.6/20

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 337.617+/-230.126 χ^2/NDF: 28.5/25

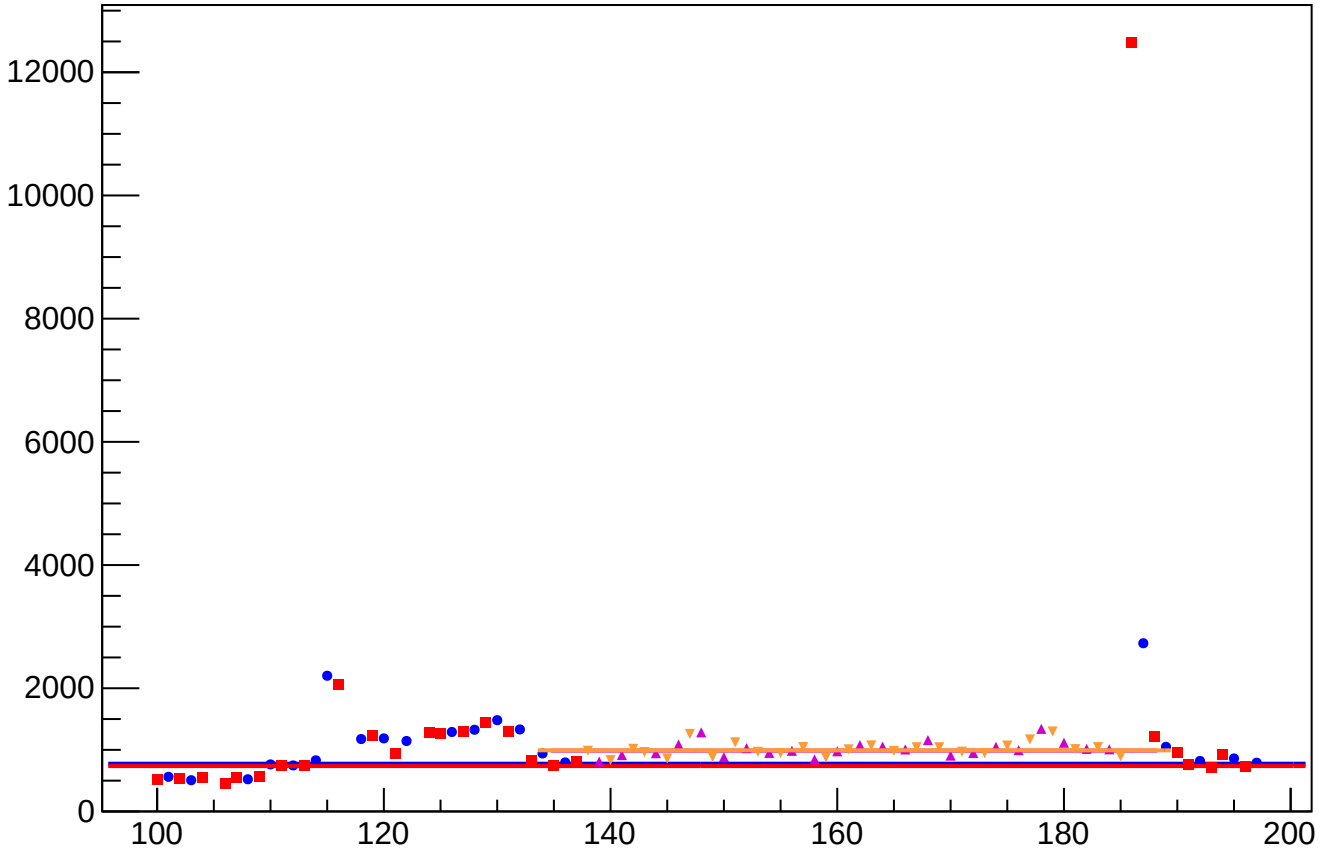
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 280.182+/-169.046 χ^2/NDF: 39.4/45

All: 200.195+/-117.612 χ^2/NDF: 104.6/94

- sign 125.153+/-163.737 χ^2/NDF: 64.8/48

asym_sam5_rms vs Slug



Right In: 775.334+/-0.179 χ^2/NDF: 2115517.6/20

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

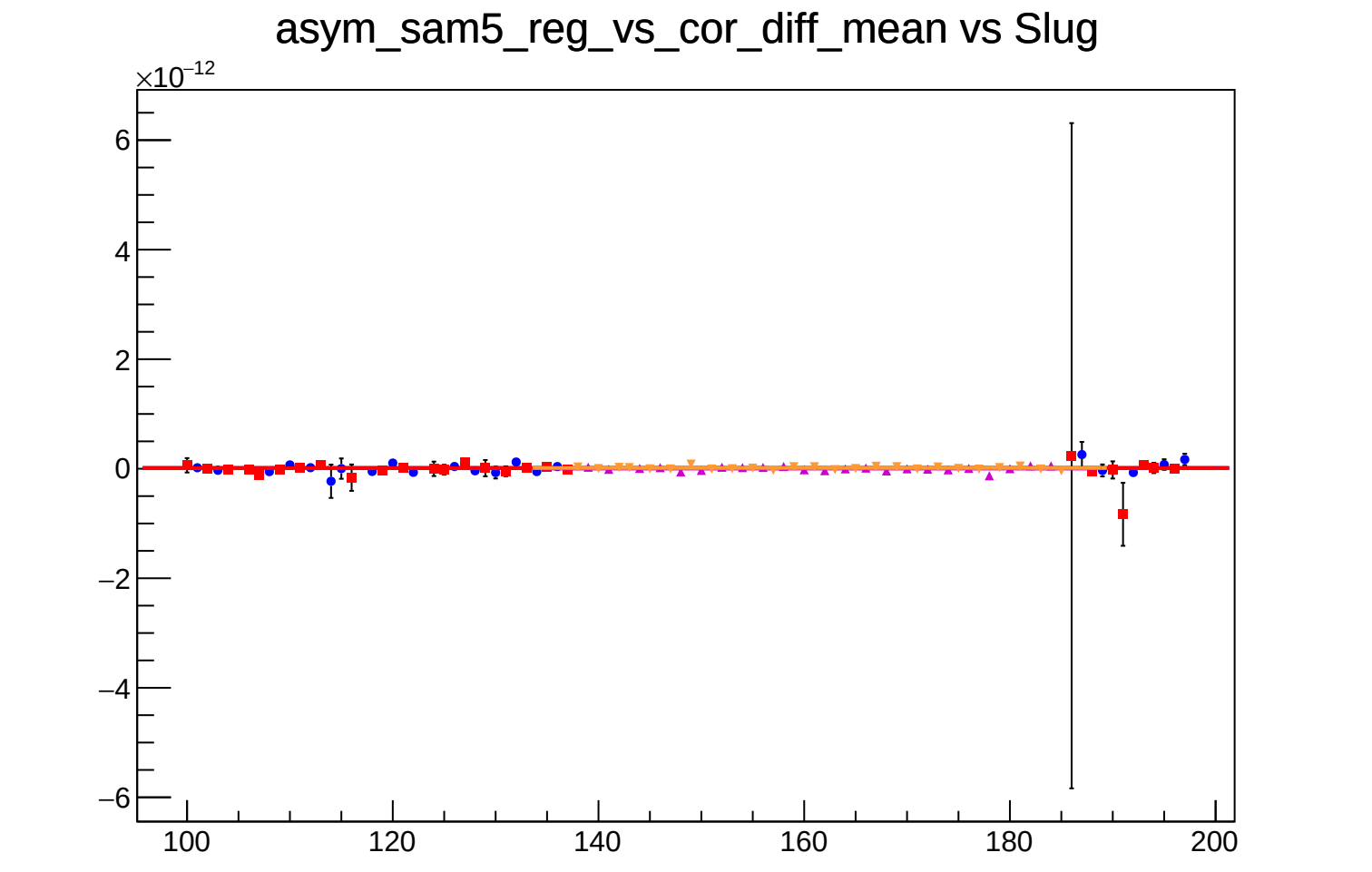
Right Out: 736.516+/-0.163 χ^2/NDF: 2951254.1/25

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 895.177+/-0.120 χ^2/NDF: 3357127.0/45

All: 877.327+/-0.083 χ^2/NDF: 8016623.8/94

- sign 860.580+/-0.116 χ^2/NDF: 4616276.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/25

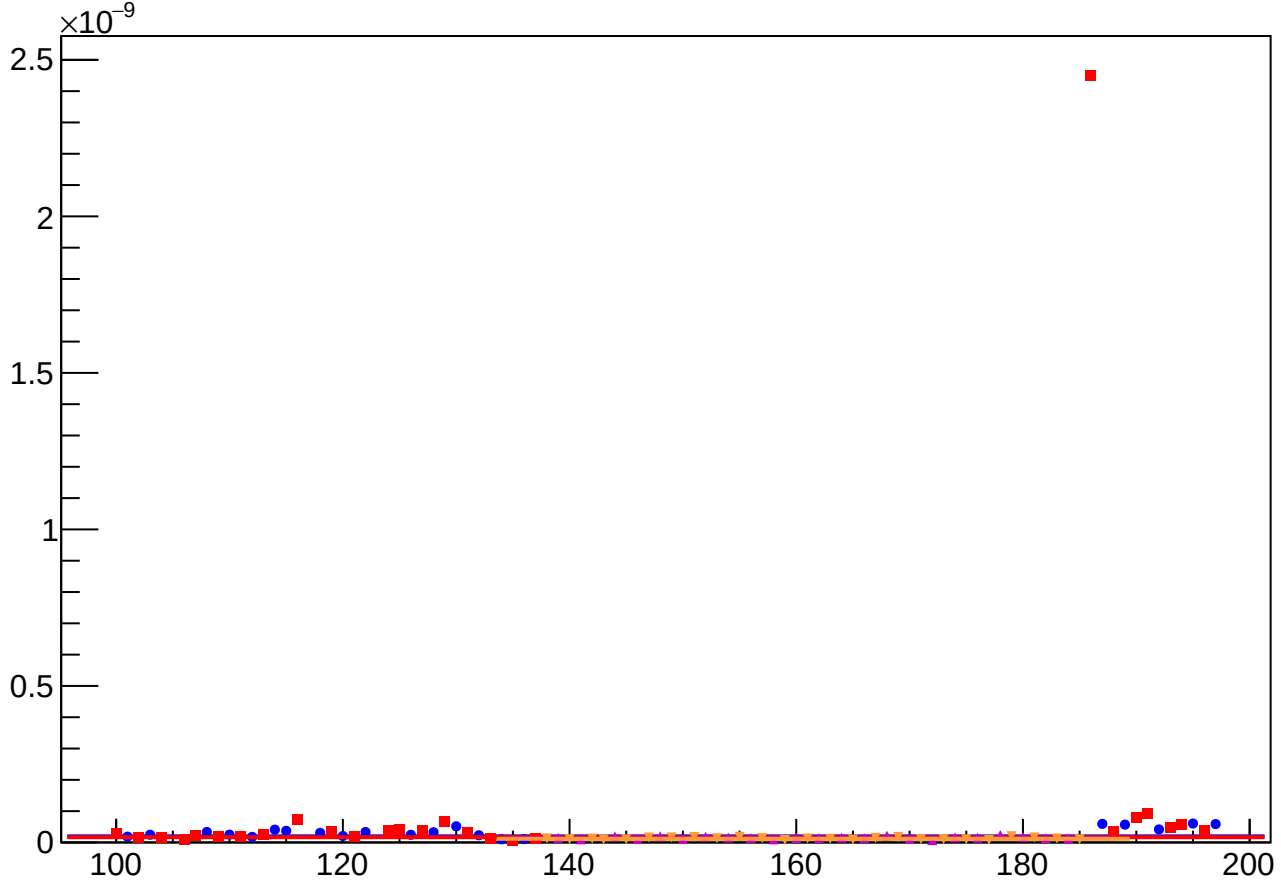
Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.5/45

All: 0.000+/-0.000 χ^2/NDF: 95.7/94

- sign 0.000+/-0.000 χ^2/NDF: 46.6/48

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2365600.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3632956.4/25

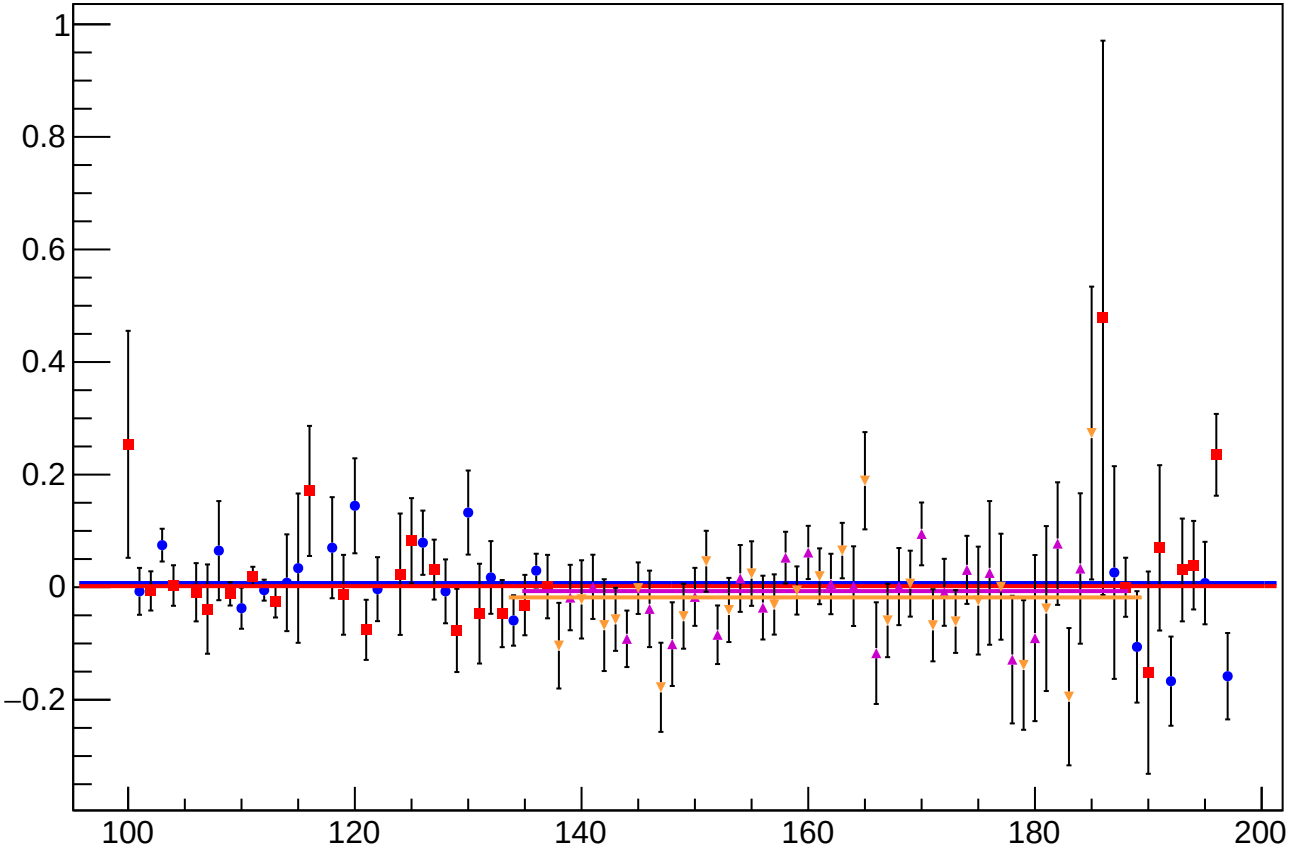
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4054755.5/45

All: 0.000+/-0.000 χ^2/NDF: 8827621.8/94

- sign 0.000+/-0.000 χ^2/NDF: 4688923.7/48

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 29.1/20

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/25

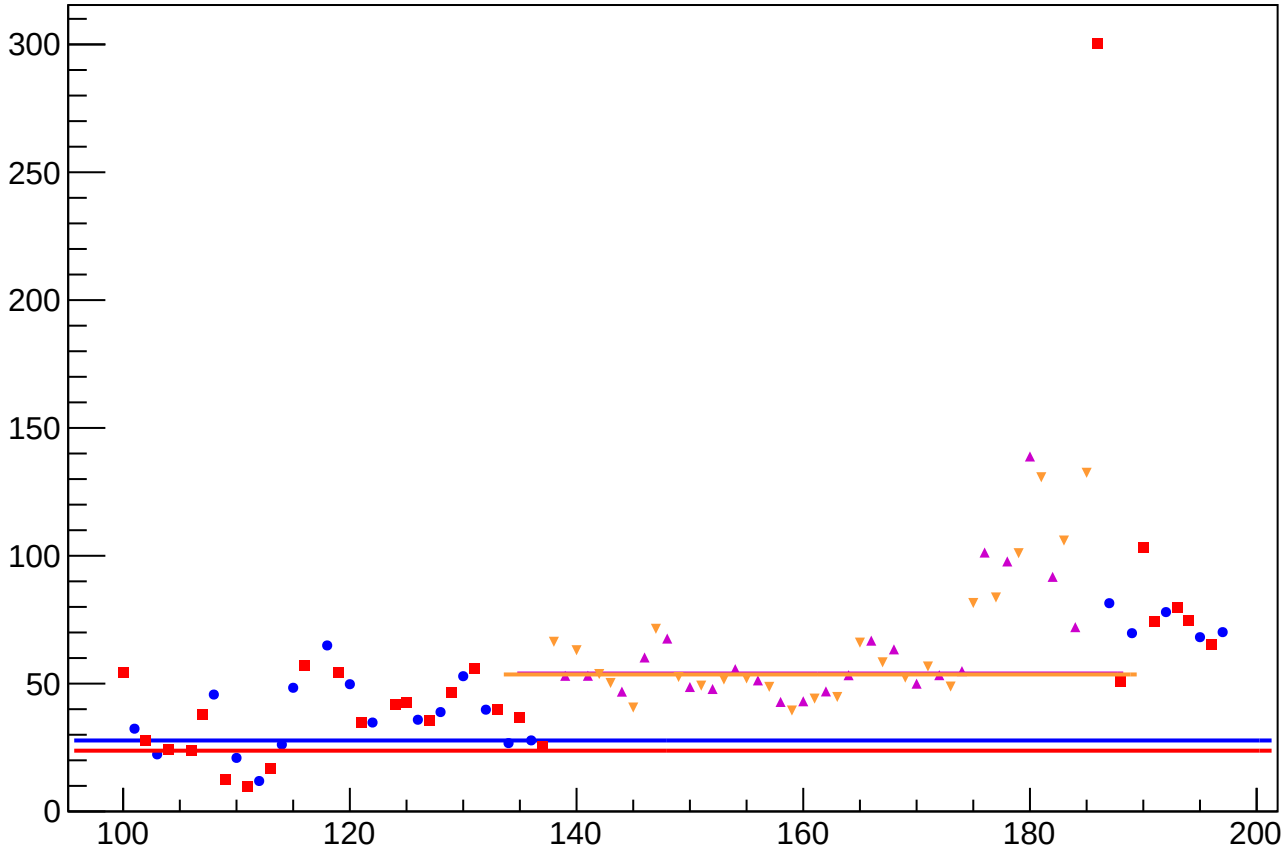
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 55.9/45

All: -0.002+/-0.005 χ^2/NDF: 100.1/94

- sign -0.001+/-0.007 χ^2/NDF: 44.2/48

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 27.762+/-0.007 χ^2/NDF: 5209721.2/20

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

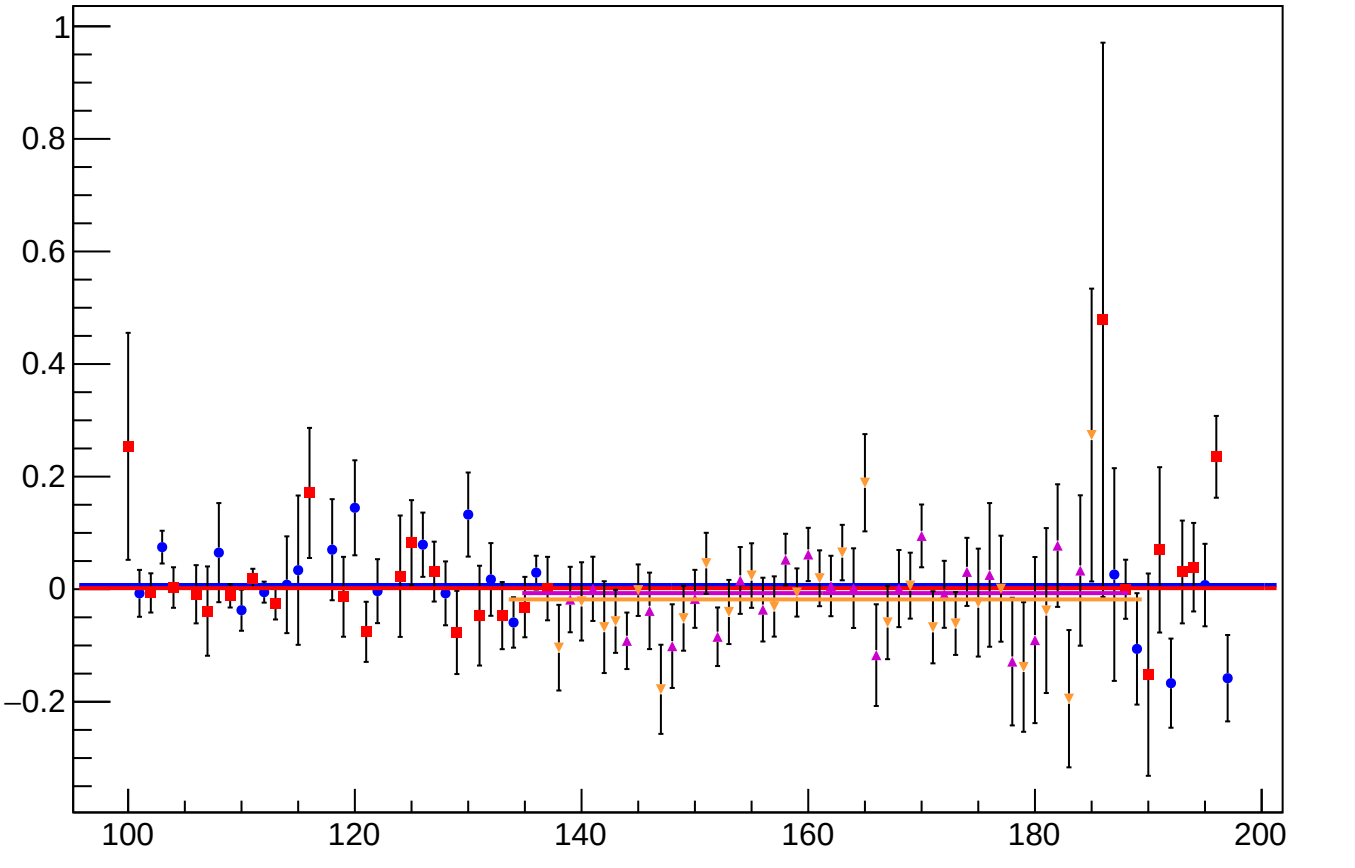
Right Out: 23.771+/-0.006 χ^2/NDF: 7871786.7/25

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 37.818+/-0.006 χ^2/NDF: 12820145.6/45

All: 35.320+/-0.004 χ^2/NDF: 30298011.8/94

- sign 33.193+/-0.005 χ^2/NDF: 17115723.6/48



Right In: 0.007+/-0.010 χ^2/NDF: 29.1/20

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/25

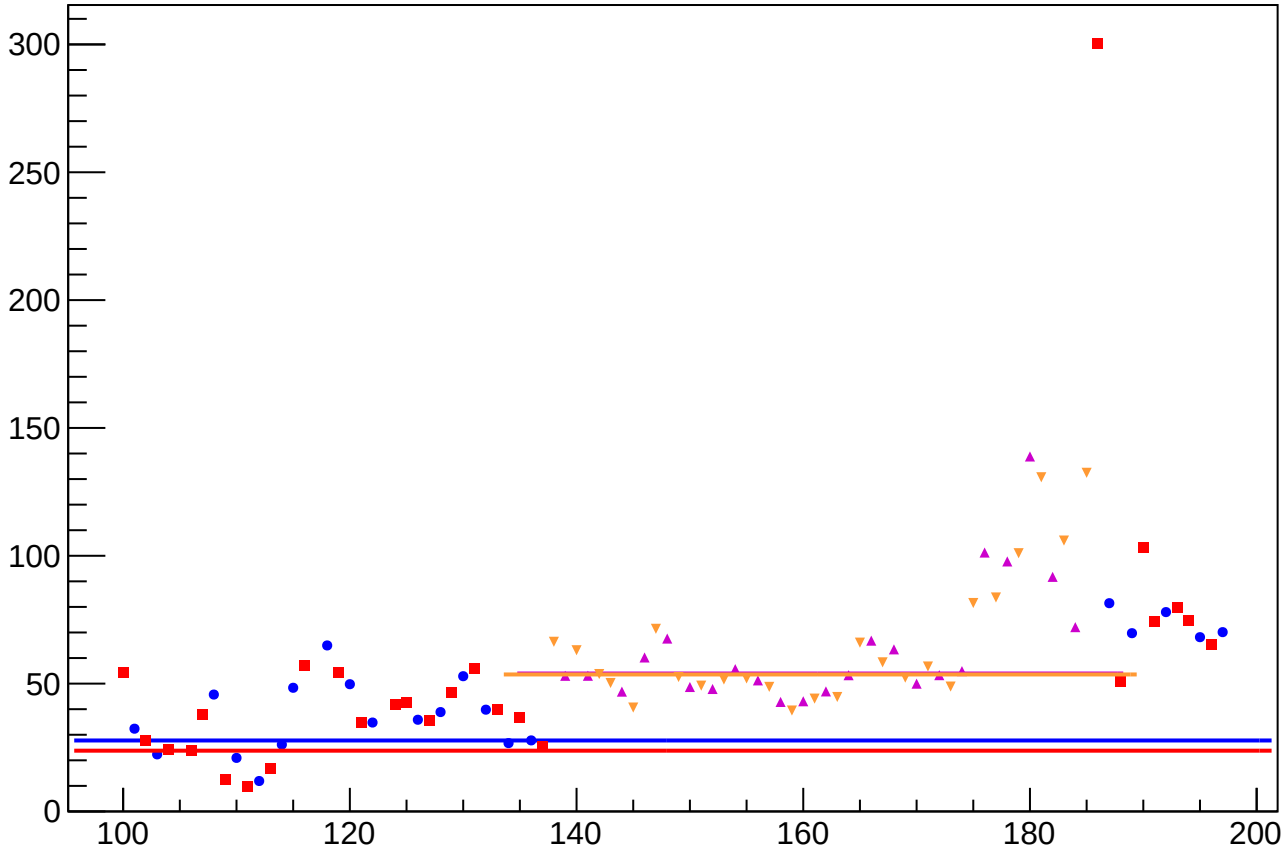
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 55.9/45

All: -0.002+/-0.005 χ^2/NDF: 100.1/94

- sign -0.001+/-0.007 χ^2/NDF: 44.2/48

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.762+/-0.007 χ^2/NDF: 5209721.2/20

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

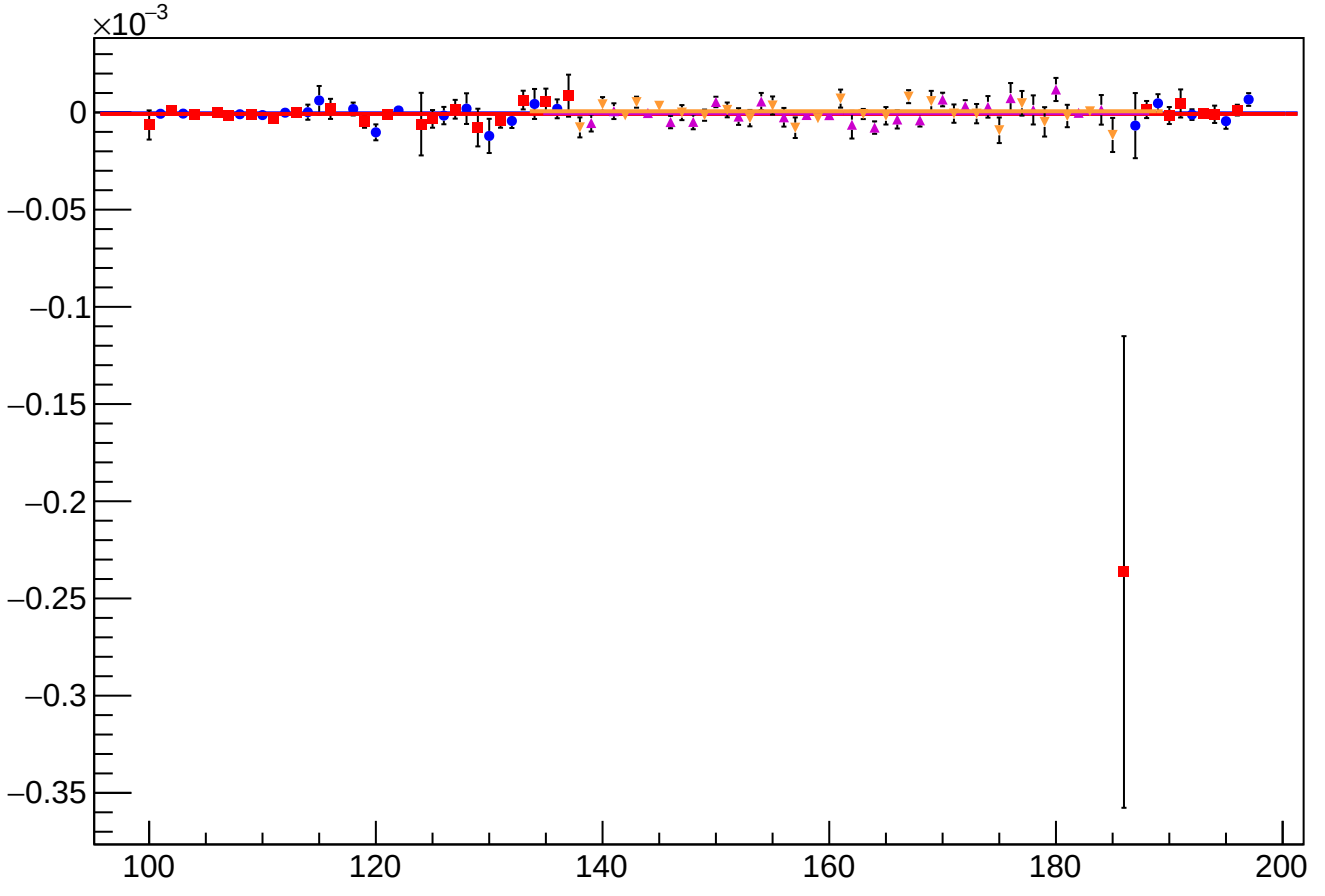
Right Out: 23.771+/-0.006 χ^2/NDF: 7871786.7/25

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 37.818+/-0.006 χ^2/NDF: 12820145.6/45

All: 35.320+/-0.004 χ^2/NDF: 30298011.8/94

- sign 33.193+/-0.005 χ^2/NDF: 17115723.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/25

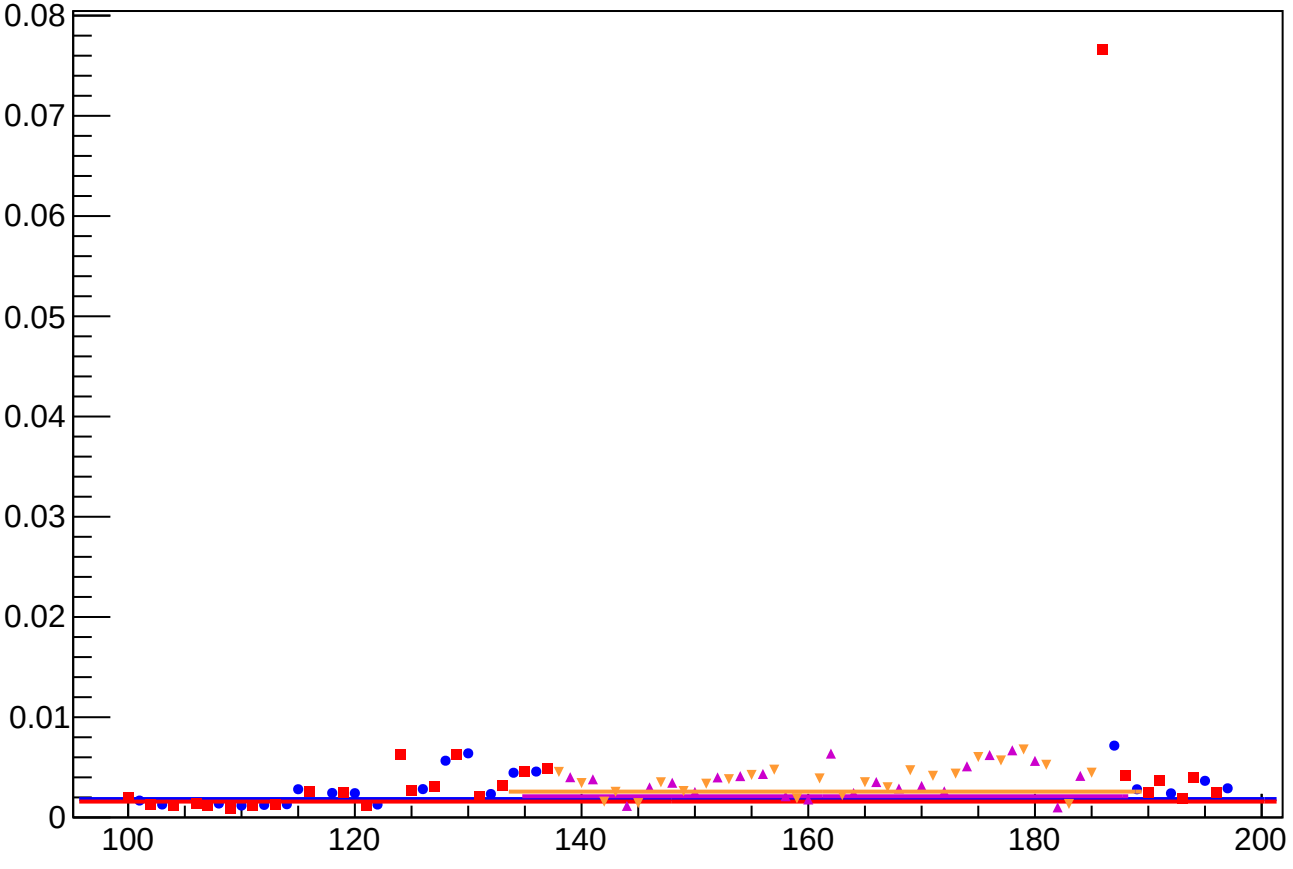
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.9/45

All: -0.000+/-0.000 χ^2/NDF: 100.2/94

- sign -0.000+/-0.000 χ^2/NDF: 48.2/48

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4083201.2/20

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5675299.5/25

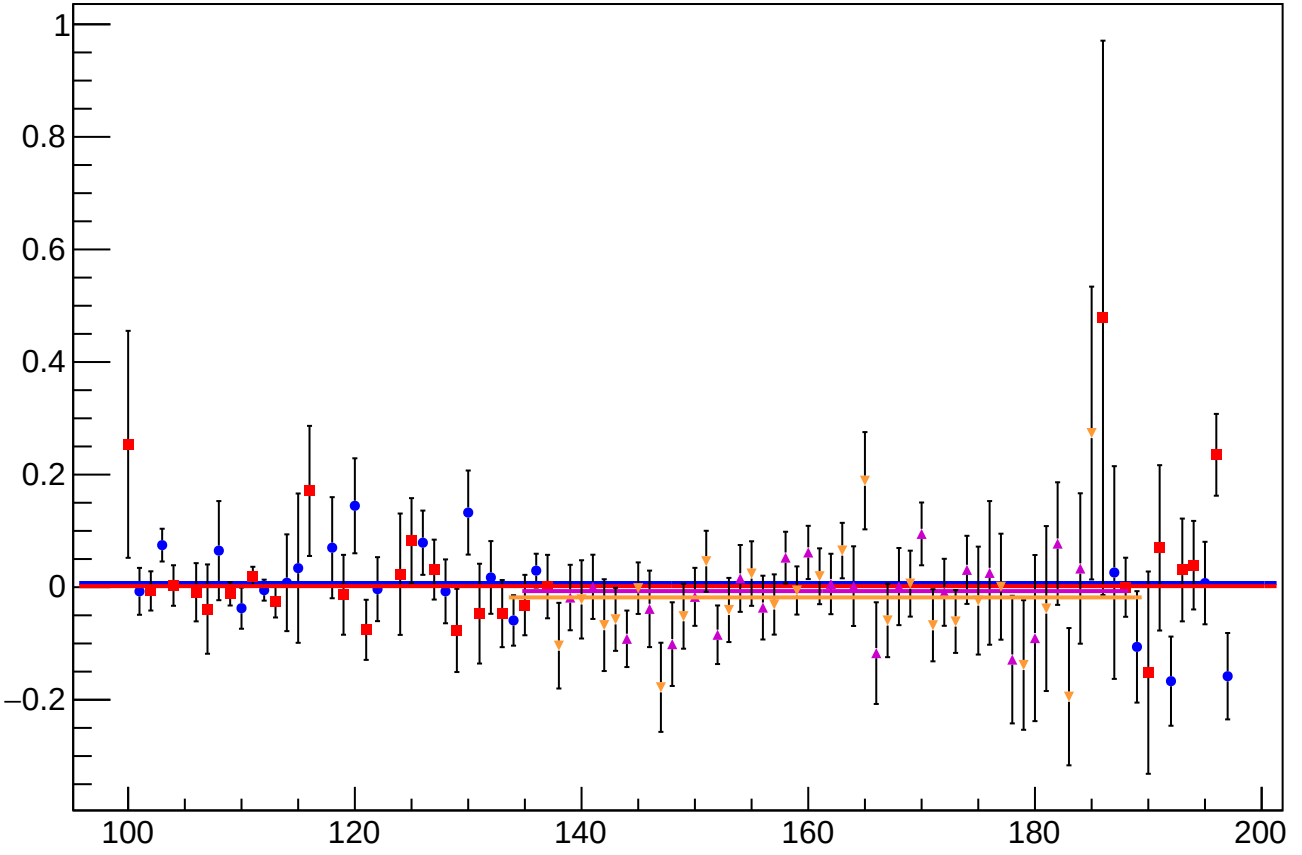
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12474989.2/45

All: 0.002+/-0.000 χ^2/NDF: 29253893.4/94

- sign 0.002+/-0.000 χ^2/NDF: 16049385.8/48

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 29.1/20

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/25

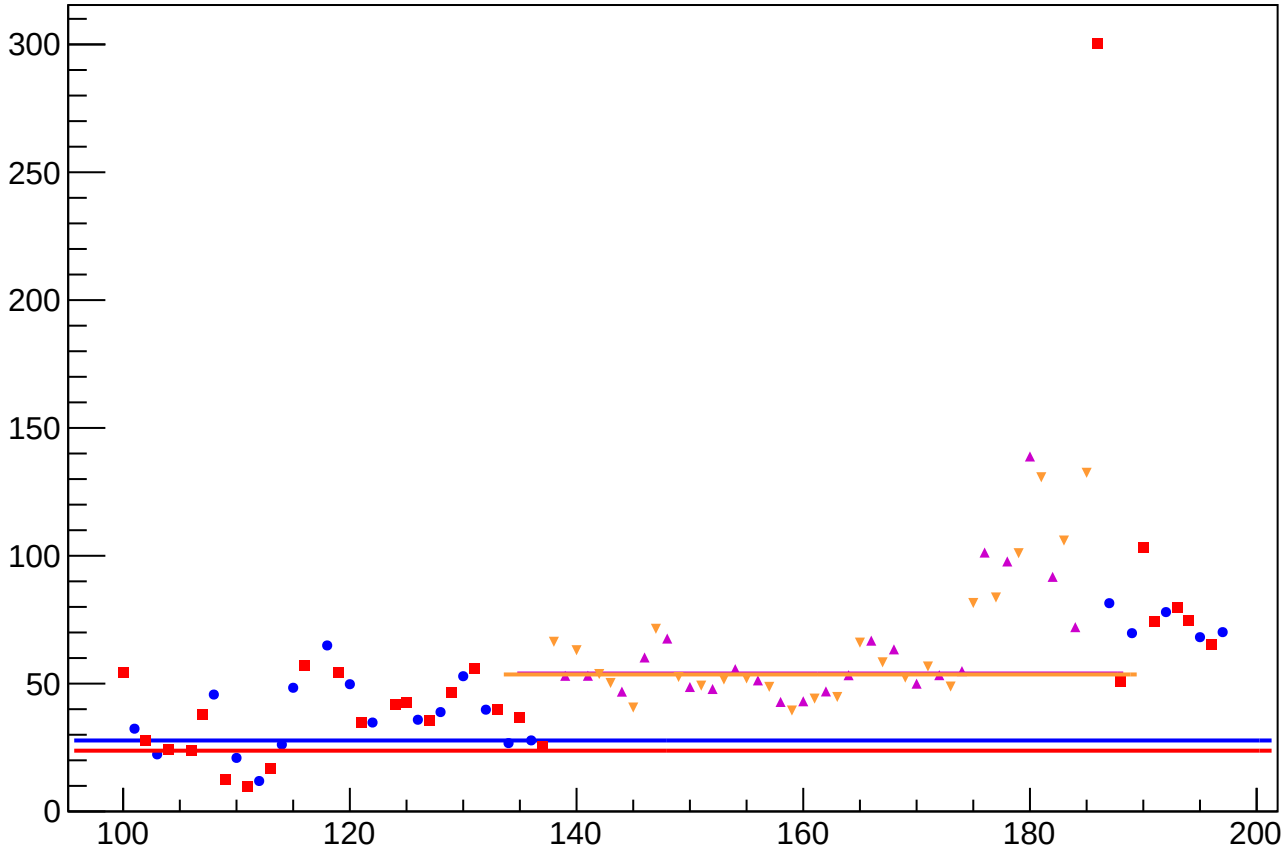
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 55.9/45

All: -0.002+/-0.005 χ^2/NDF: 100.1/94

- sign -0.001+/-0.007 χ^2/NDF: 44.2/48

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.762+/-0.007 χ^2/NDF: 5209735.6/20

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

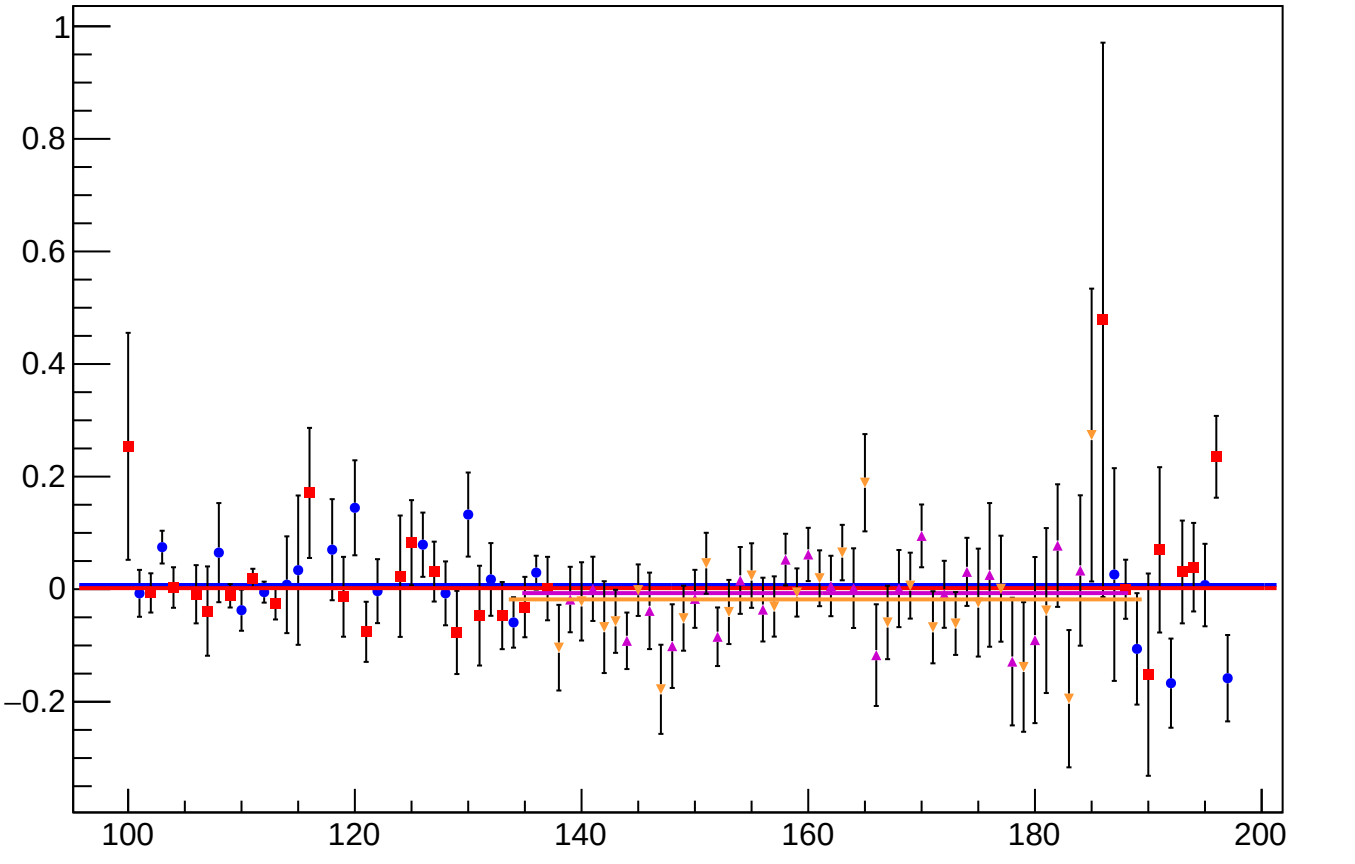
Right Out: 23.770+/-0.006 χ^2/NDF: 7871867.4/25

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.817+/-0.006 χ^2/NDF: 12820583.8/45

All: 35.319+/-0.004 χ^2/NDF: 30299068.9/94

- sign 33.192+/-0.005 χ^2/NDF: 17116314.1/48



Right In: 0.007+/-0.010 χ^2/NDF: 29.1/20

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

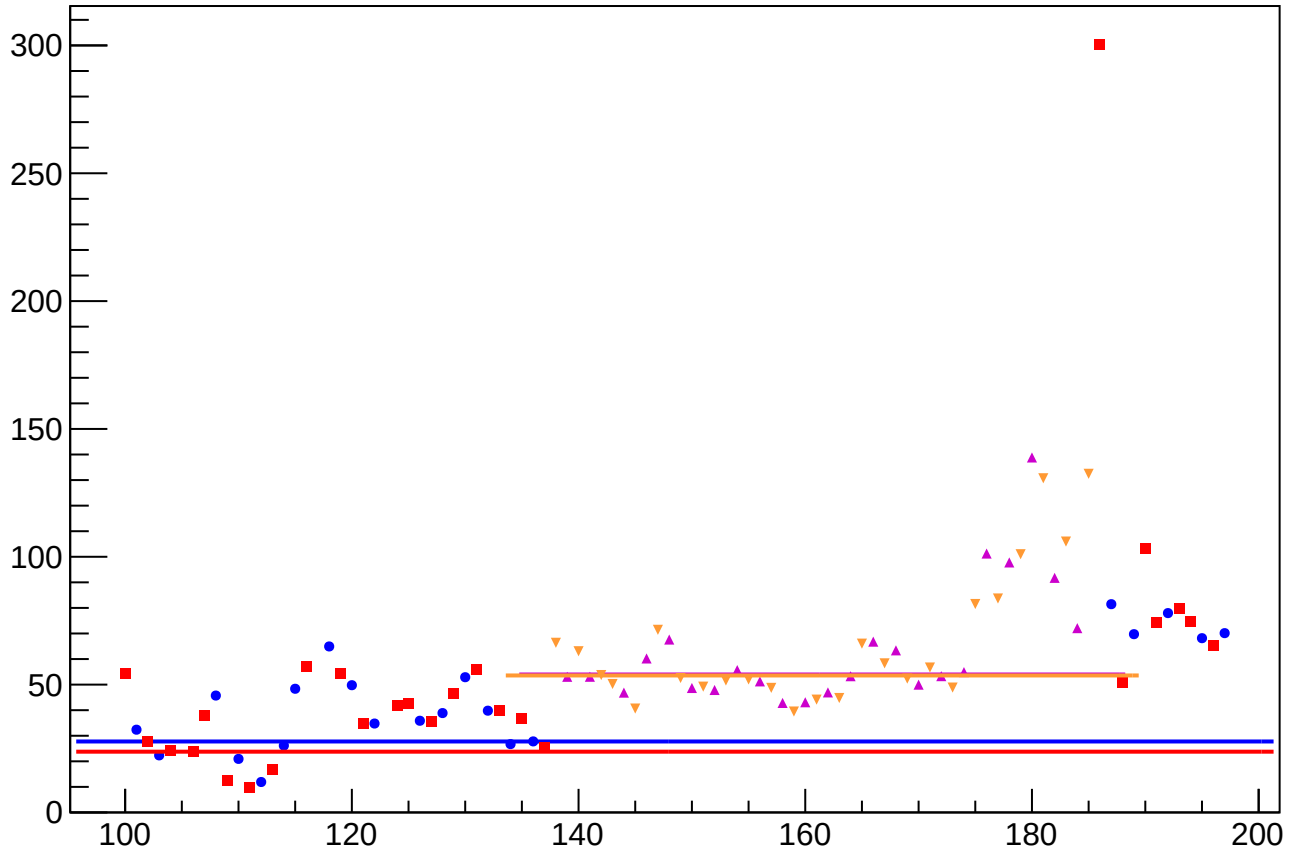
Right Out: 0.002+/-0.009 χ^2/NDF: 25.2/25

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.003+/-0.008 χ^2/NDF: 55.9/45

All: -0.002+/-0.005 χ^2/NDF: 100.1/94

- sign -0.001+/-0.007 χ^2/NDF: 44.2/48



Right In: 27.762+/-0.007 χ^2/NDF: 5209735.6/20

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

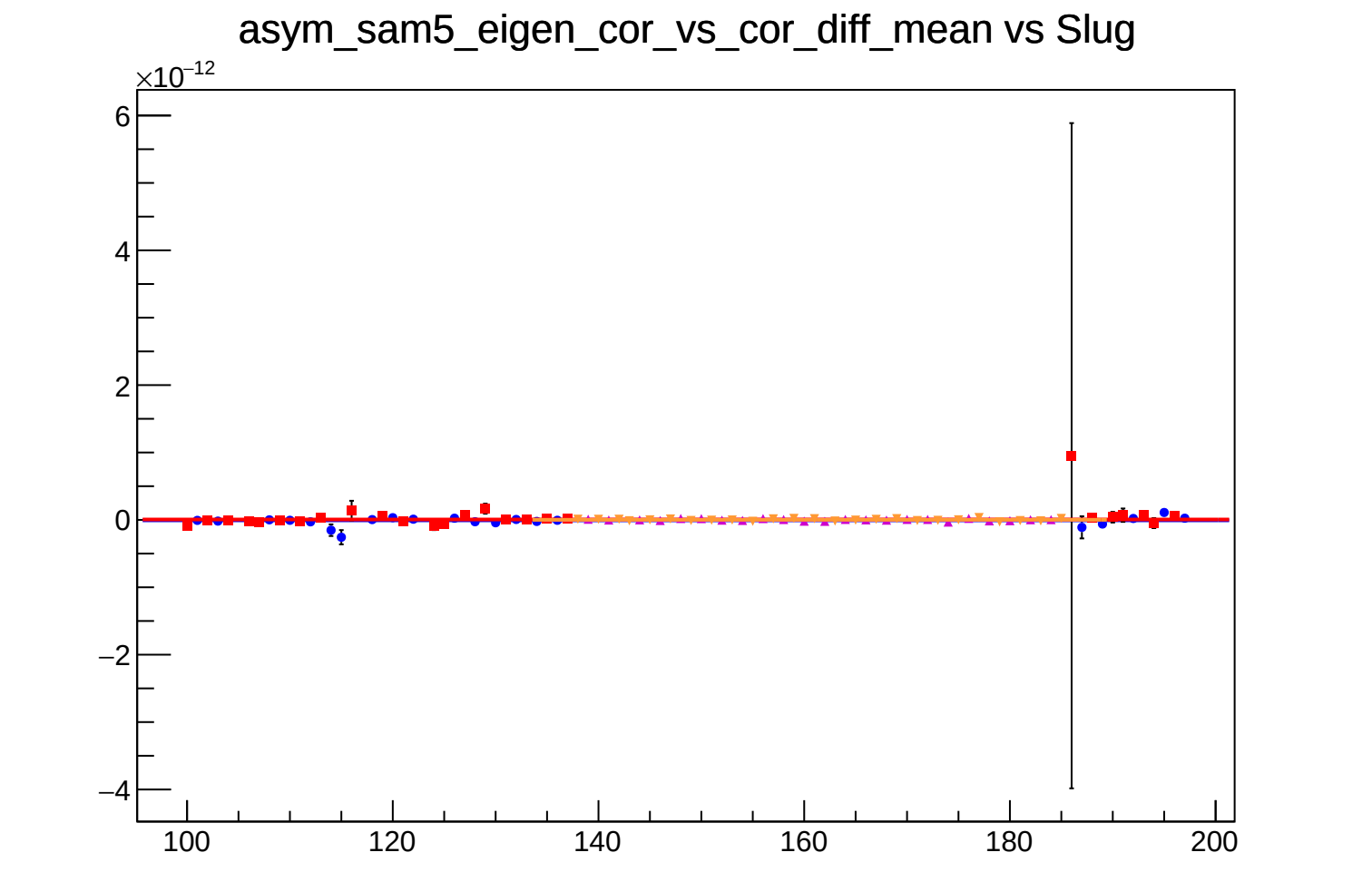
Right Out: 23.770+/-0.006 χ^2/NDF: 7871867.4/25

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.817+/-0.006 χ^2/NDF: 12820583.8/45

All: 35.319+/-0.004 χ^2/NDF: 30299068.9/94

- sign 33.192+/-0.005 χ^2/NDF: 17116314.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

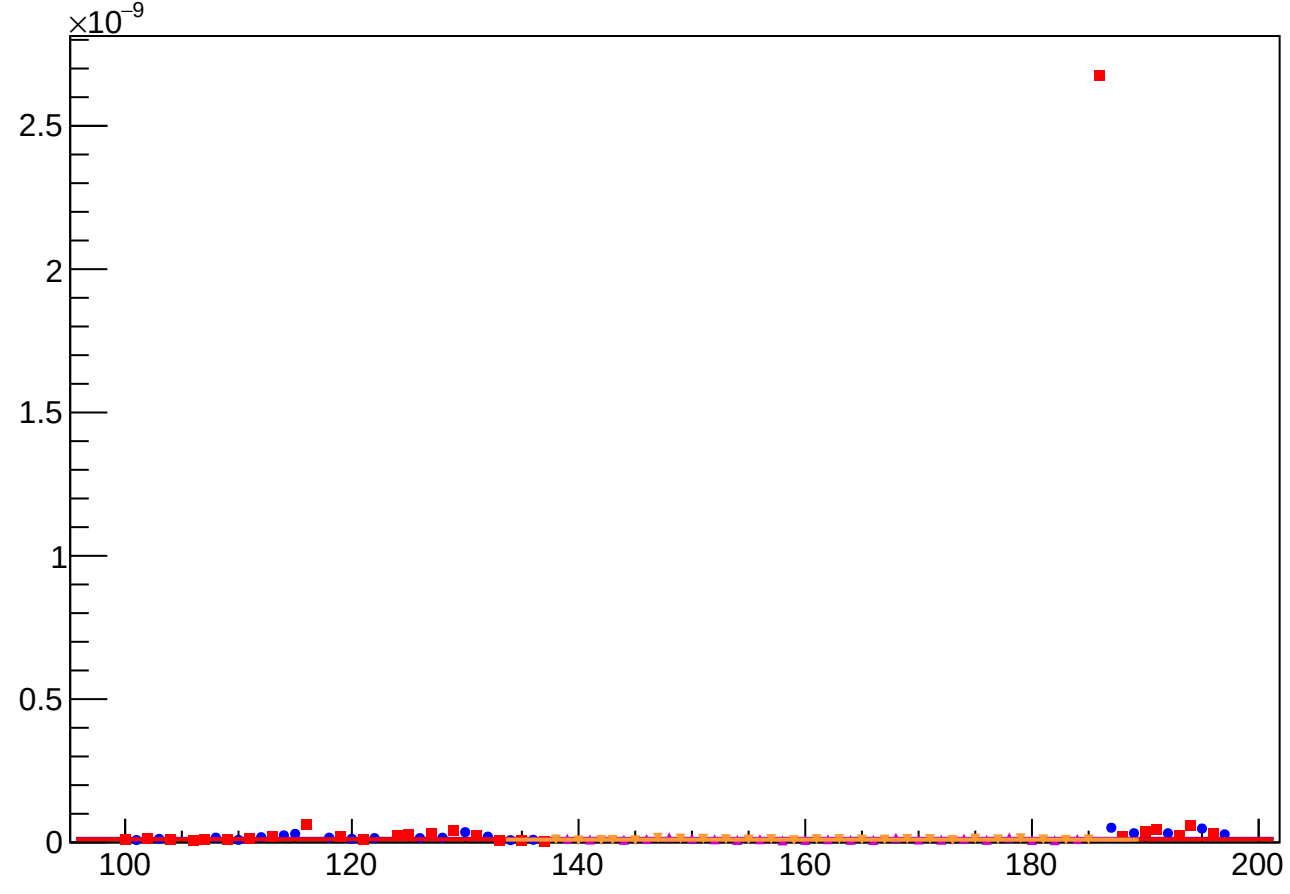
Right Out: 0.000+/-0.000 χ^2/NDF: 33.6/25

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.3/45

All: 0.000+/-0.000 χ^2/NDF: 102.2/94

- sign 0.000+/-0.000 χ^2/NDF: 52.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 2890281.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5482923.2/25

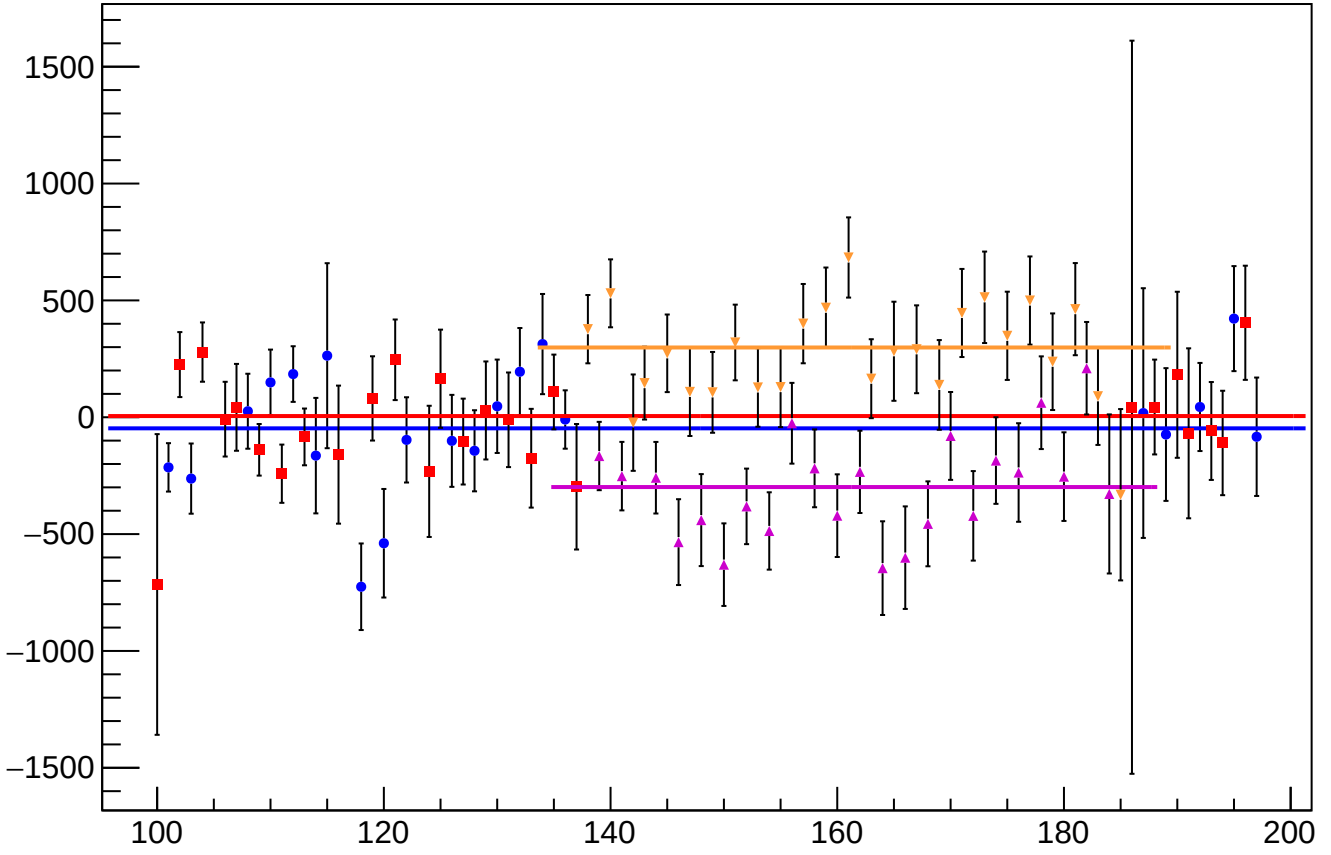
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4484761.1/45

All: 0.000+/-0.000 χ^2/NDF: 11337506.5/94

- sign 0.000+/-0.000 χ^2/NDF: 6852344.8/48

reg_asym_sam6_mean vs Slug



Right In: -47.446+/-38.458 χ^2/NDF: 39.3/20

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 5.118+/-36.232 χ^2/NDF: 24.5/25

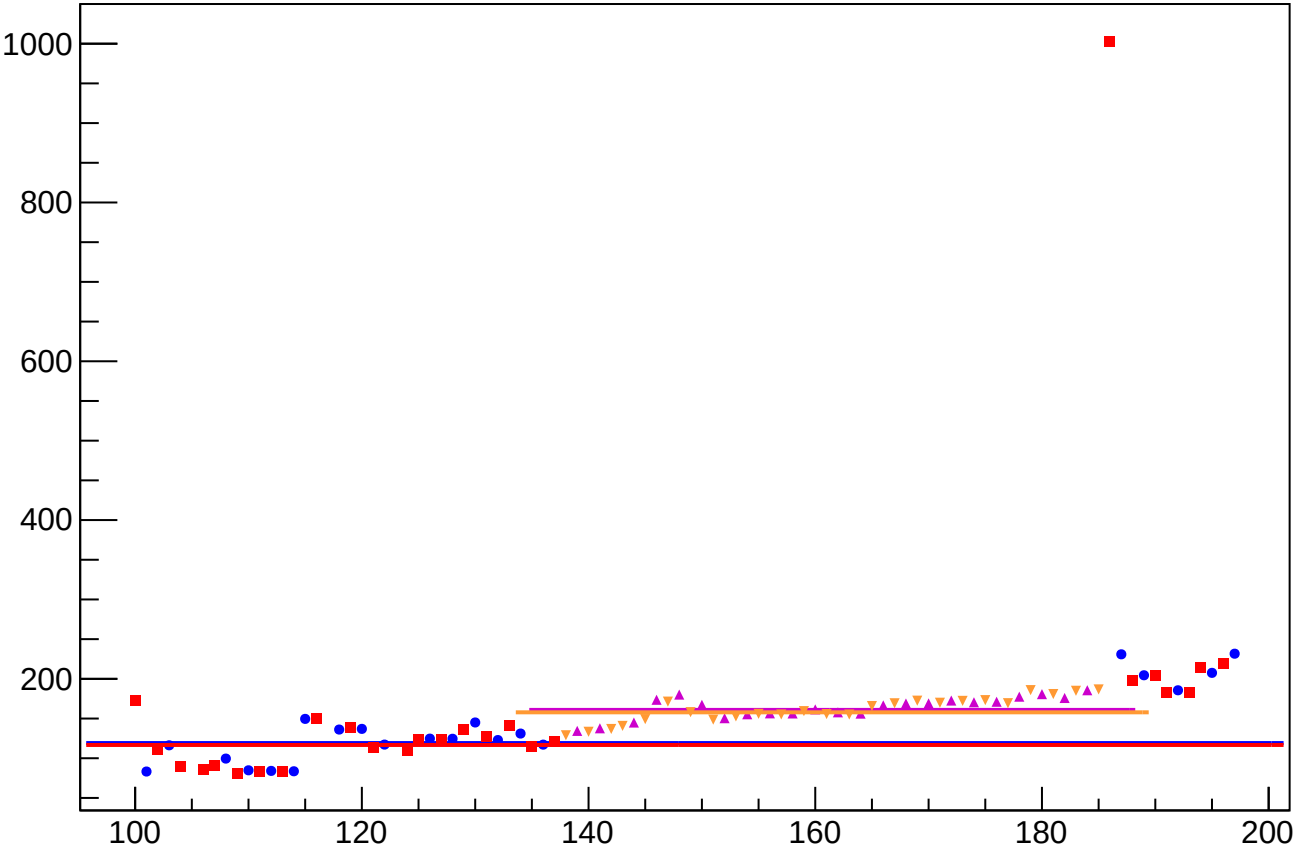
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 136.700+/-26.301 χ^2/NDF: 108.3/45

All: -2.865+/-18.538 χ^2/NDF: 251.9/94

- sign -140.640+/-26.132 χ^2/NDF: 87.7/48

reg_asym_sam6_rms vs Slug



Right In: 119.087+/-0.027 χ^2/NDF: 1911488.3/20

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 116.727+/-0.026 χ^2/NDF: 2930780.0/25

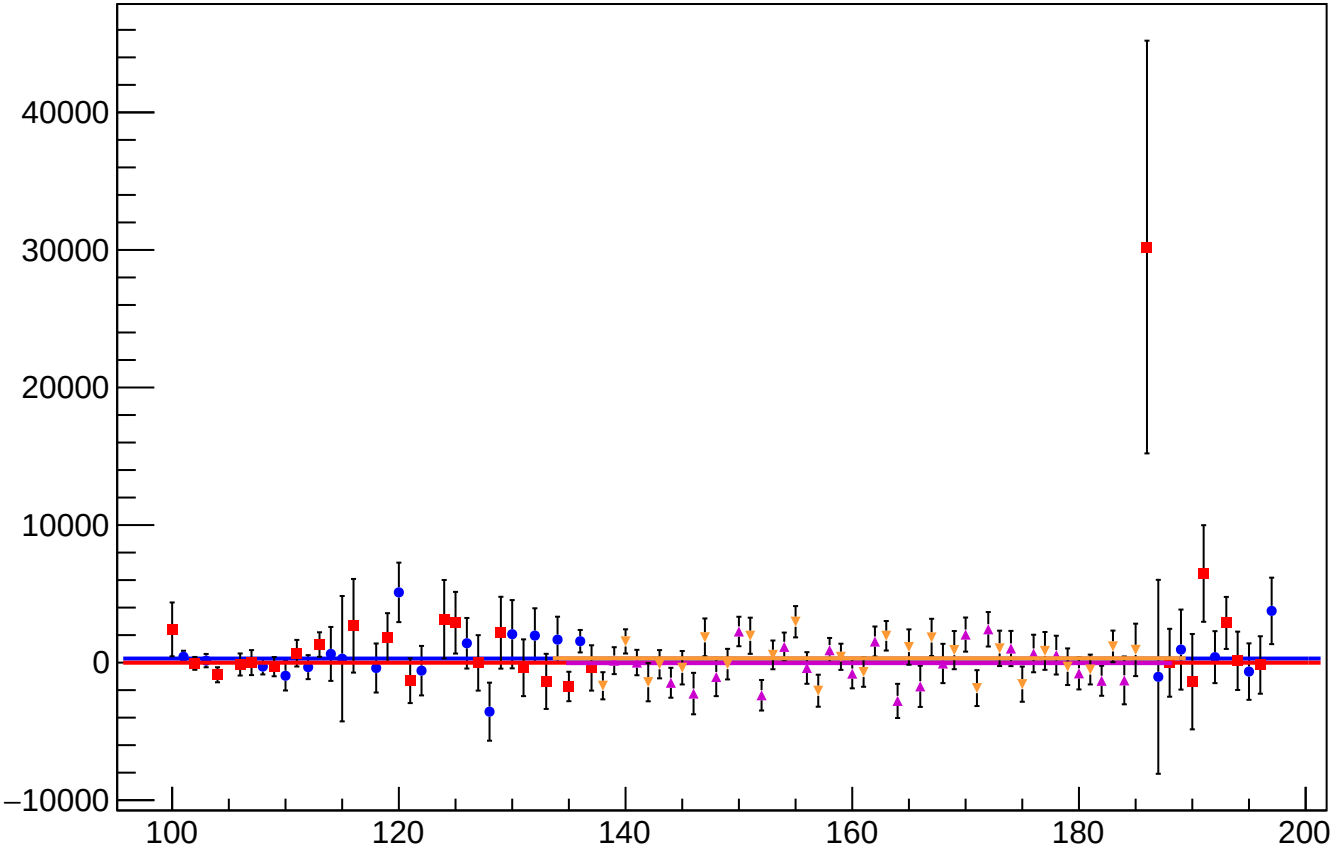
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 139.712+/-0.019 χ^2/NDF: 3369436.1/45

All: 138.804+/-0.013 χ^2/NDF: 7997974.0/94

- sign 137.908+/-0.018 χ^2/NDF: 4623804.1/48

asym_sam6_reg_correction_mean vs Slug



Right In: 295.322+/-225.749 χ^2/NDF: 18.8/20

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -7.504+/-225.772 χ^2/NDF: 26.1/25

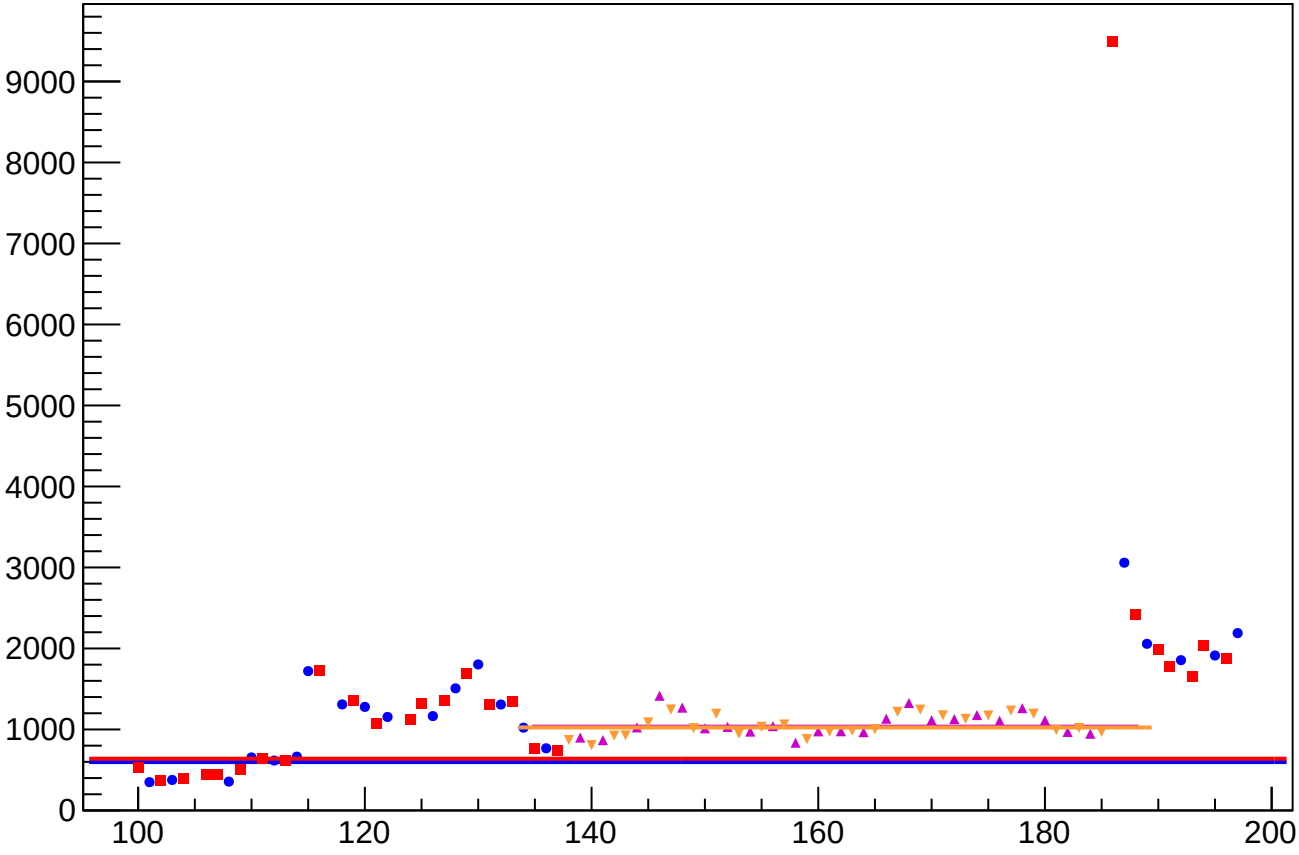
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 307.136+/-162.829 χ^2/NDF: 51.4/45

All: 145.452+/-116.161 χ^2/NDF: 114.3/94

- sign -22.113+/-165.764 χ^2/NDF: 60.9/48

asym_sam6_reg_correction_rms vs Slug



Right In: 597.377+/-0.160 χ^2/NDF: 7099921.9/20

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 639.030+/-0.160 χ^2/NDF: 7717664.4/25

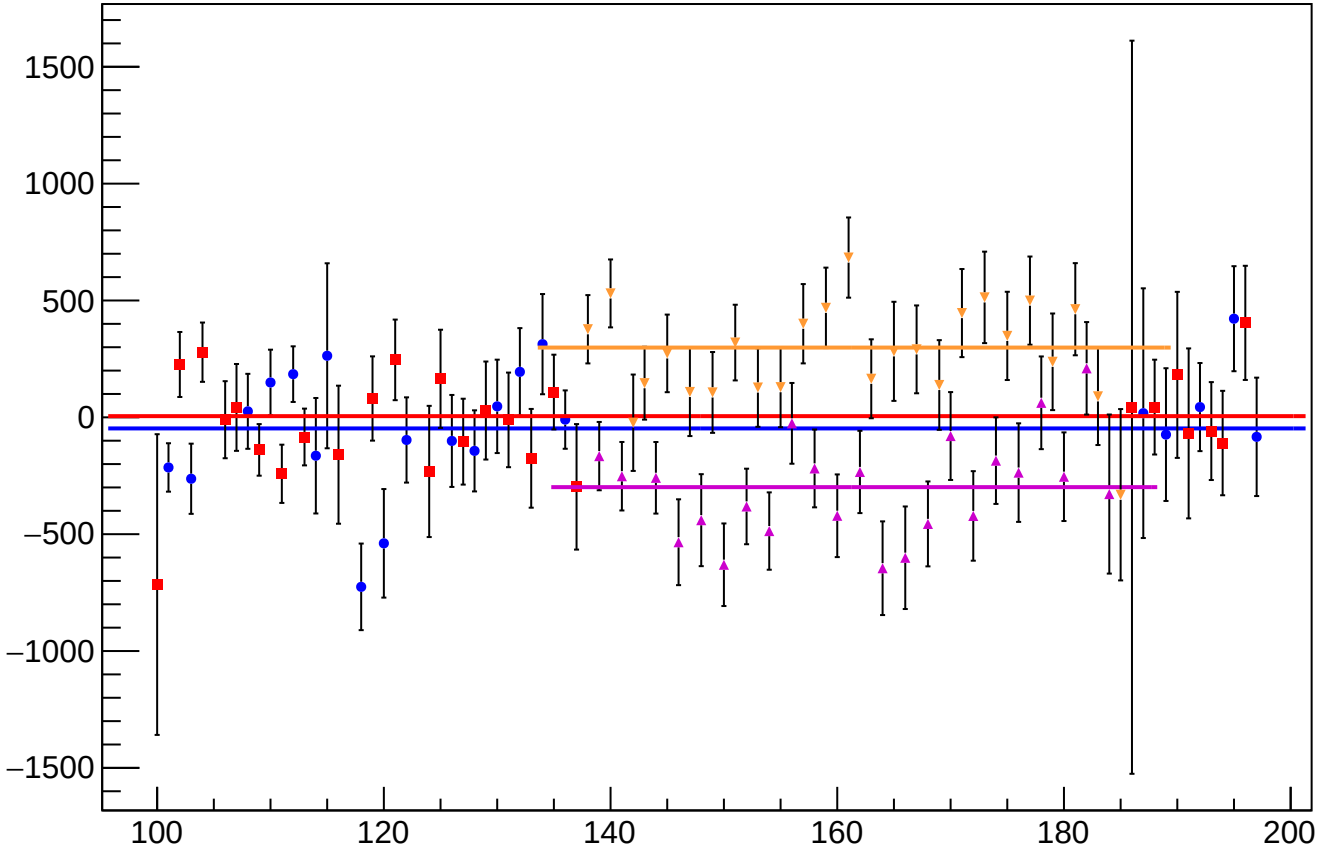
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 802.286+/-0.115 χ^2/NDF: 11132246.8/45

All: 811.615+/-0.082 χ^2/NDF: 22319248.5/94

- sign 821.284+/-0.117 χ^2/NDF: 11173632.0/48

cor_asym_sam6_mean vs Slug



Right In: -47.470+/-38.458 χ^2/NDF: 39.3/20

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 5.102+/-36.289 χ^2/NDF: 24.5/25

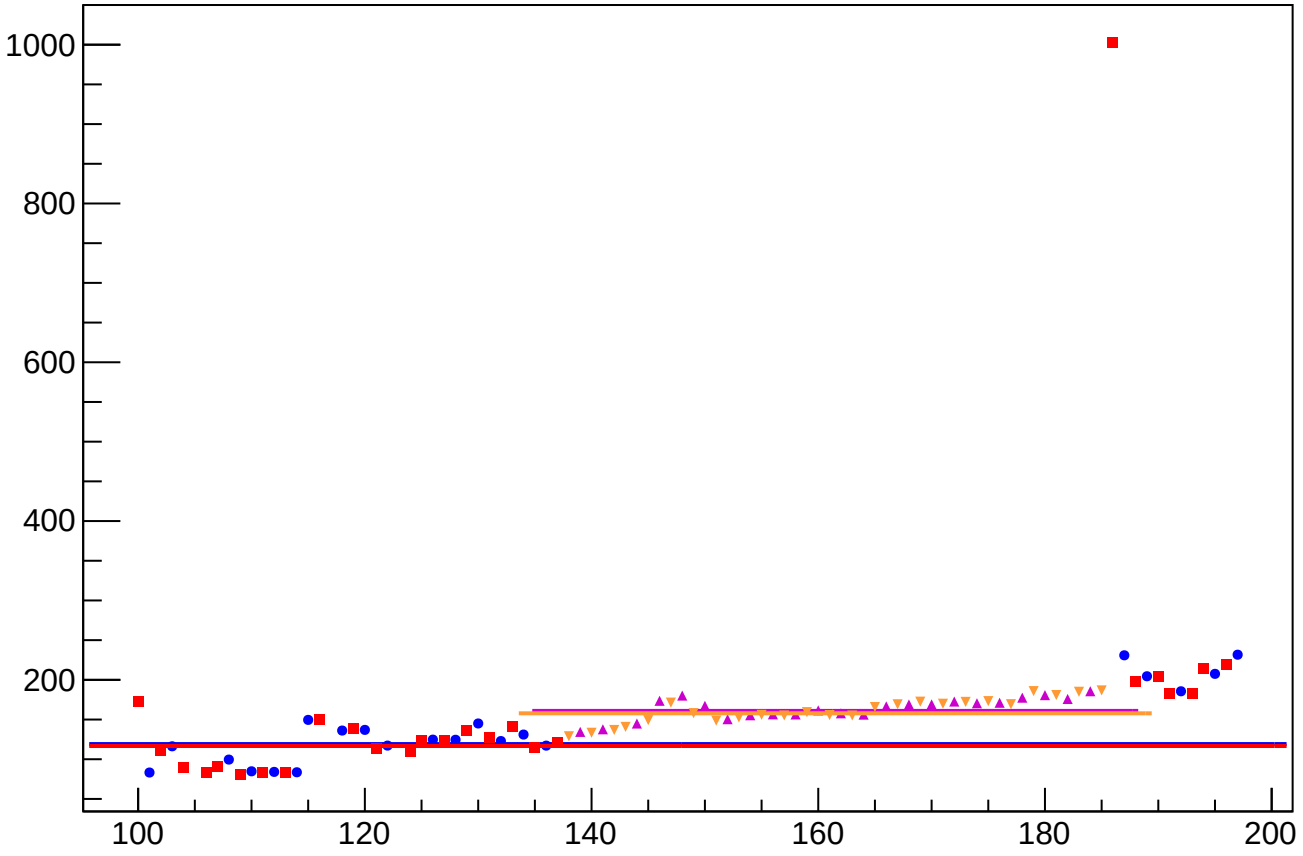
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 136.690+/-26.301 χ^2/NDF: 108.3/45

All: -2.883+/-18.545 χ^2/NDF: 252.0/94

- sign -140.890+/-26.154 χ^2/NDF: 87.6/48

cor_asym_sam6_rms vs Slug



Right In: 119.087+/-0.027 χ^2/NDF: 1911488.0/20

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 116.671+/-0.026 χ^2/NDF: 2941265.2/25

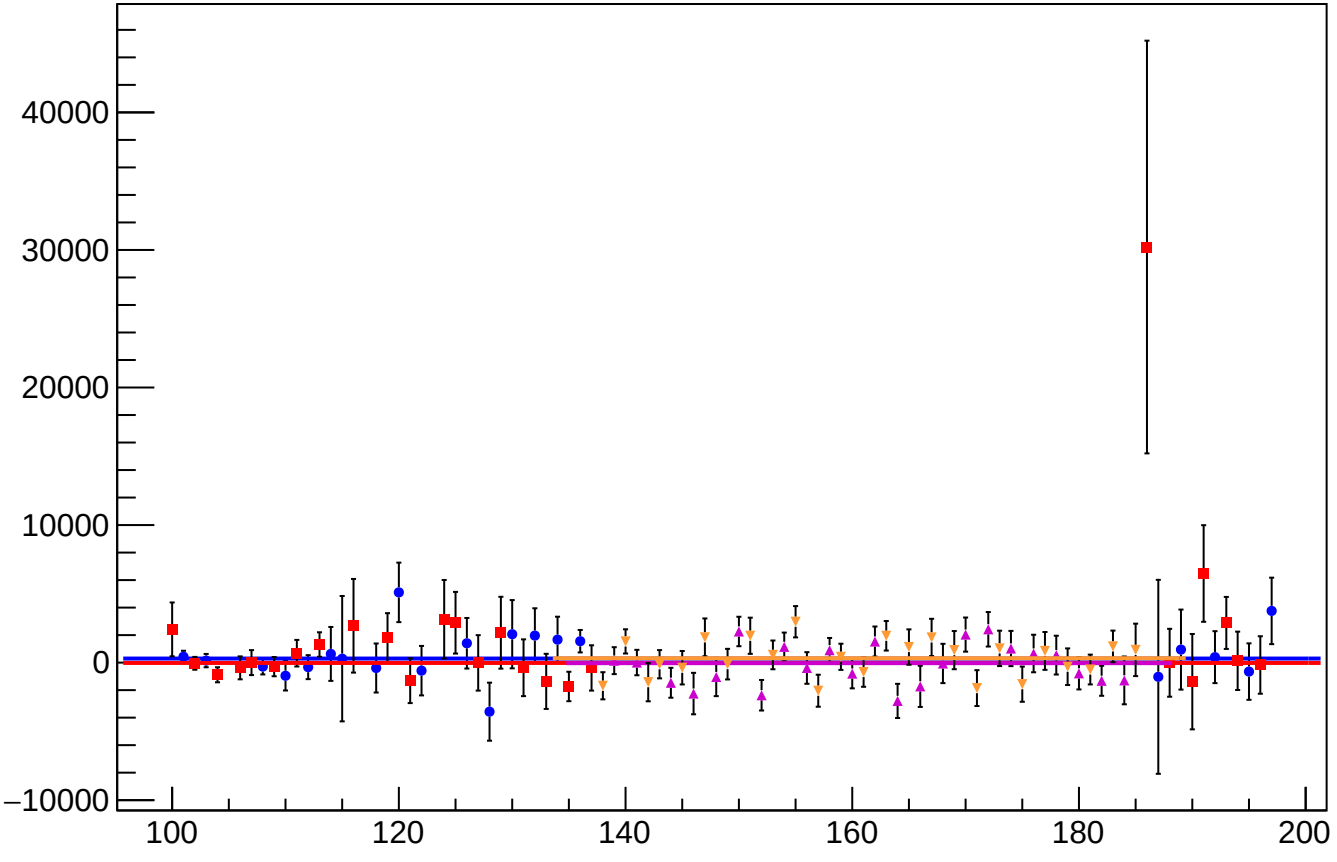
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 139.712+/-0.019 χ^2/NDF: 3369432.4/45

All: 138.808+/-0.013 χ^2/NDF: 8009891.5/94

- sign 137.914+/-0.018 χ^2/NDF: 4635757.5/48

asym_sam6_cor_correction_mean vs Slug



Right In: 295.454+/-225.742 χ^2/NDF: 18.8/20

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -23.917+/-226.348 χ^2/NDF: 26.3/25

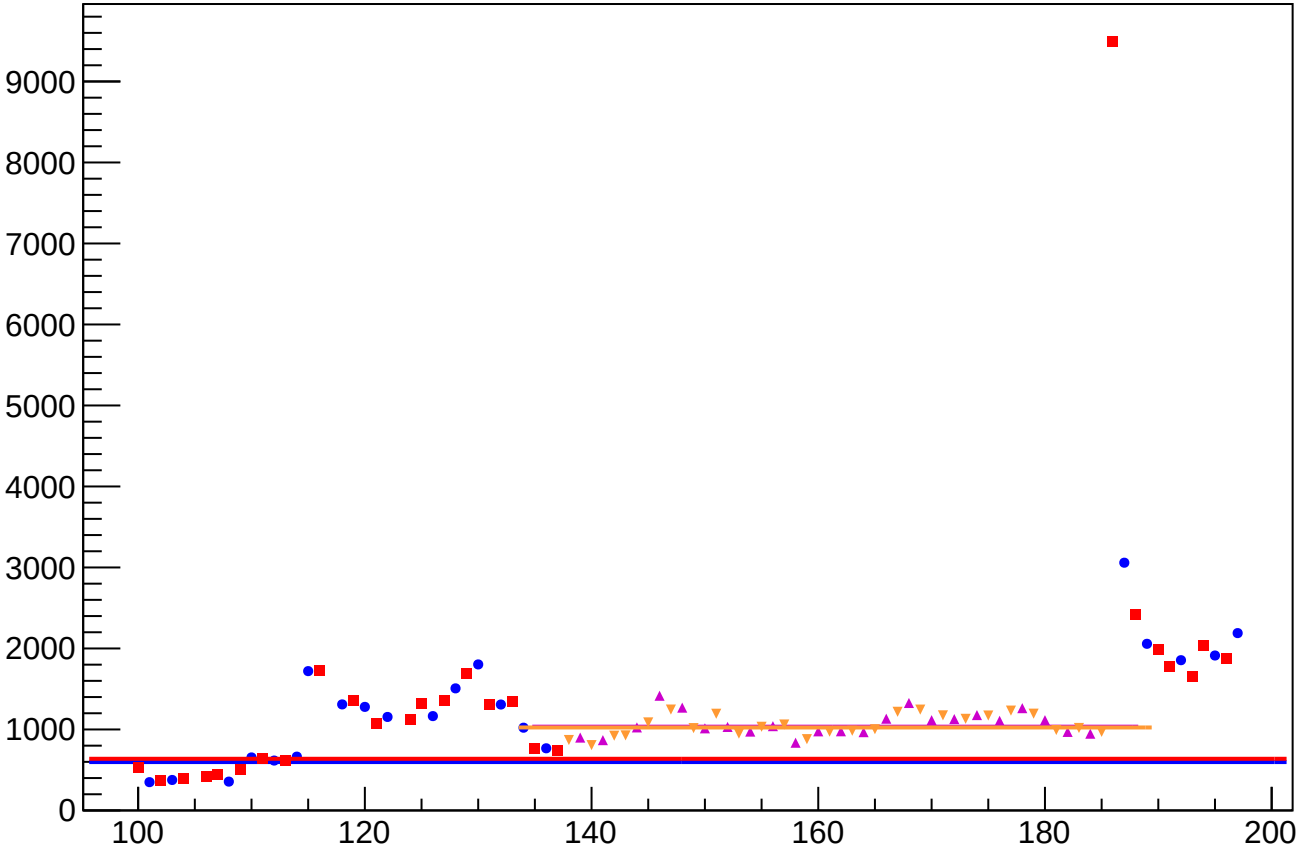
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 307.207+/-162.826 χ^2/NDF: 51.4/45

All: 141.369+/-116.238 χ^2/NDF: 114.5/94

- sign -30.980+/-165.991 χ^2/NDF: 61.0/48

asym_sam6_cor_correction_rms vs Slug



Right In: 597.352+/-0.160 χ^2/NDF: 7100230.8/20

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 637.930+/-0.160 χ^2/NDF: 7745139.1/25

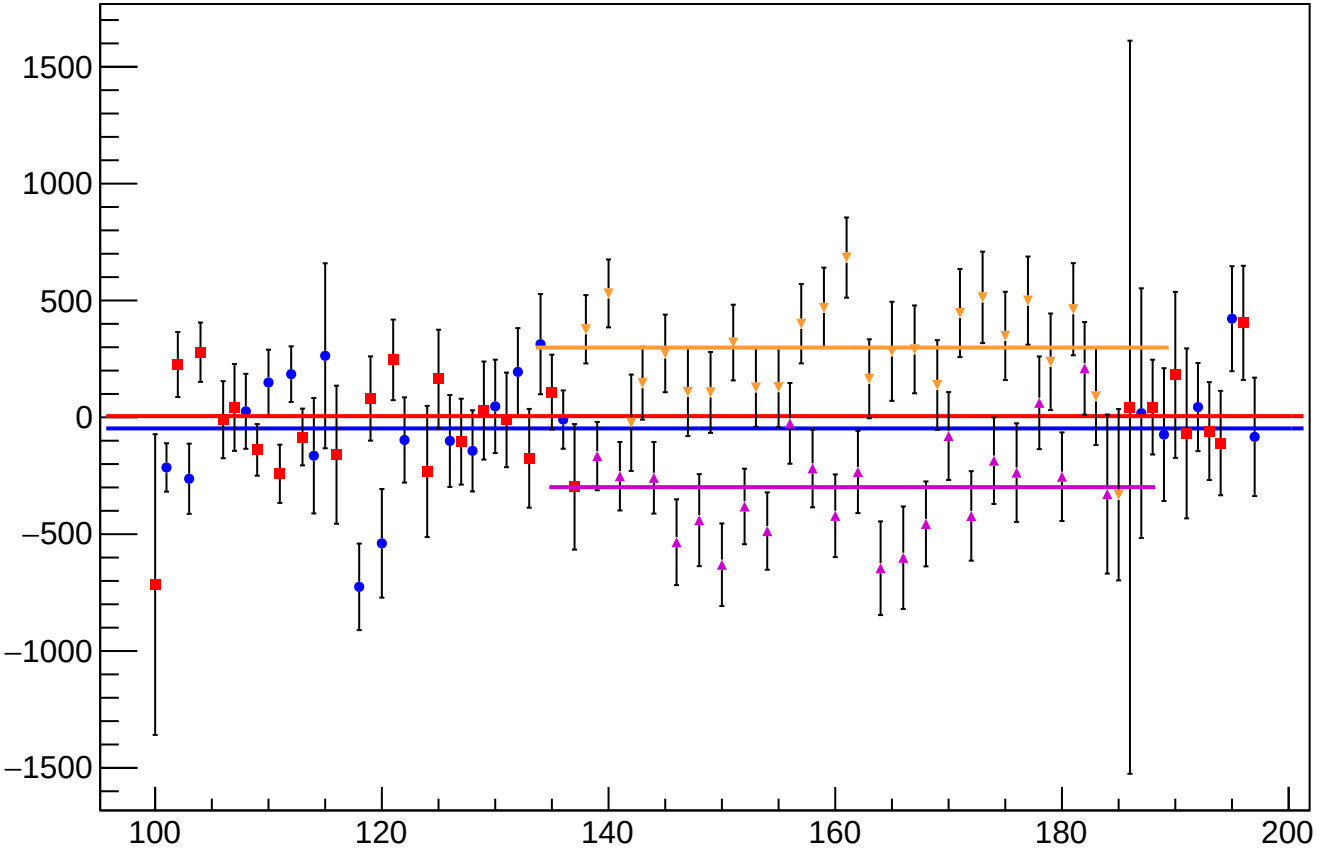
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 802.267+/-0.115 χ^2/NDF: 11133047.1/45

All: 811.548+/-0.082 χ^2/NDF: 22356474.7/94

- sign 821.193+/-0.117 χ^2/NDF: 11210176.8/48

eigen_cor_asym_sam6_mean vs Slug



Right In: -47.470+/-38.458 χ^2/NDF: 39.3/20

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 5.102+/-36.289 χ^2/NDF: 24.5/25

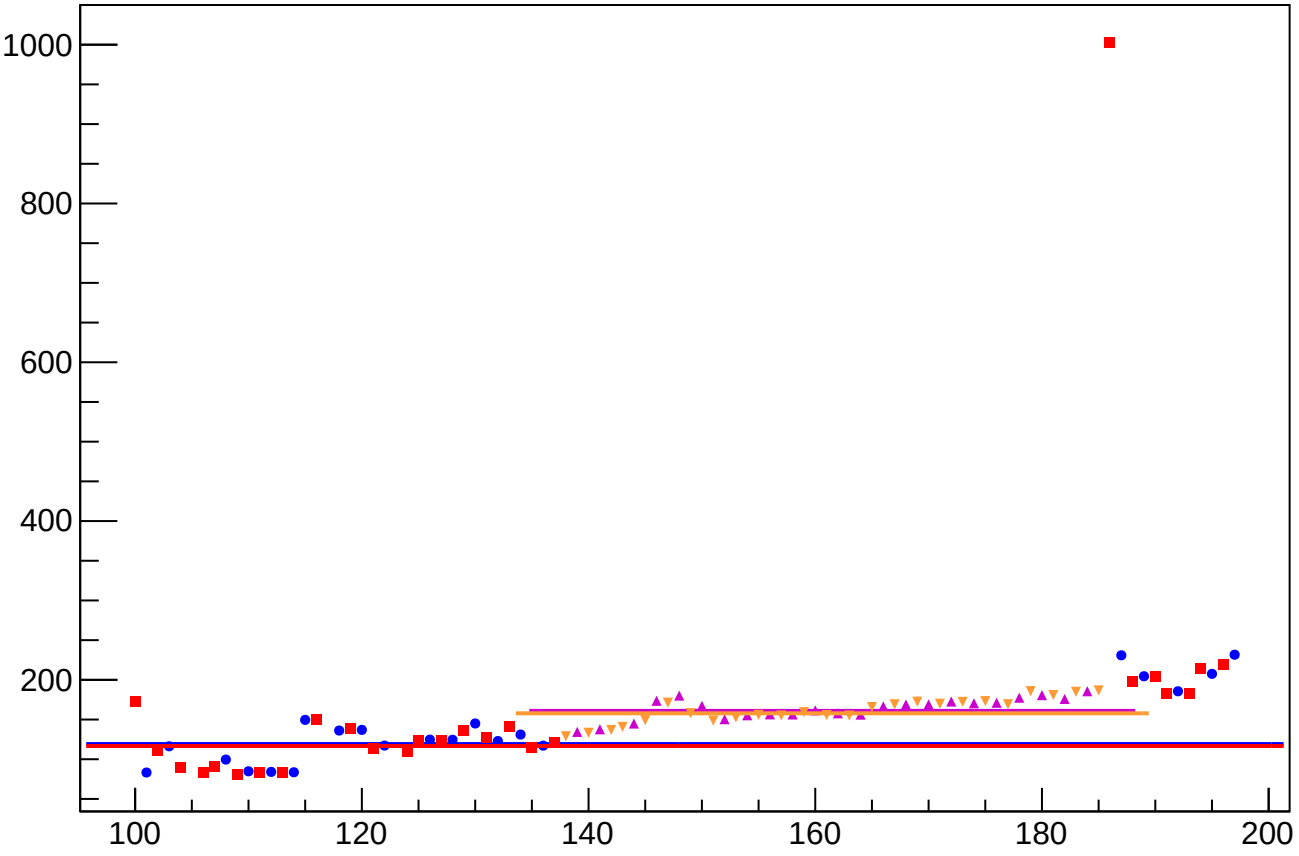
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 136.690+/-26.301 χ^2/NDF: 108.3/45

All: -2.883+/-18.545 χ^2/NDF: 252.0/94

- sign -140.890+/-26.154 χ^2/NDF: 87.6/48

eigen_cor_asym_sam6_rms vs Slug



Right In: 119.087+/-0.027 χ^2/NDF: 1911488.0/20

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 116.671+/-0.026 χ^2/NDF: 2941265.2/25

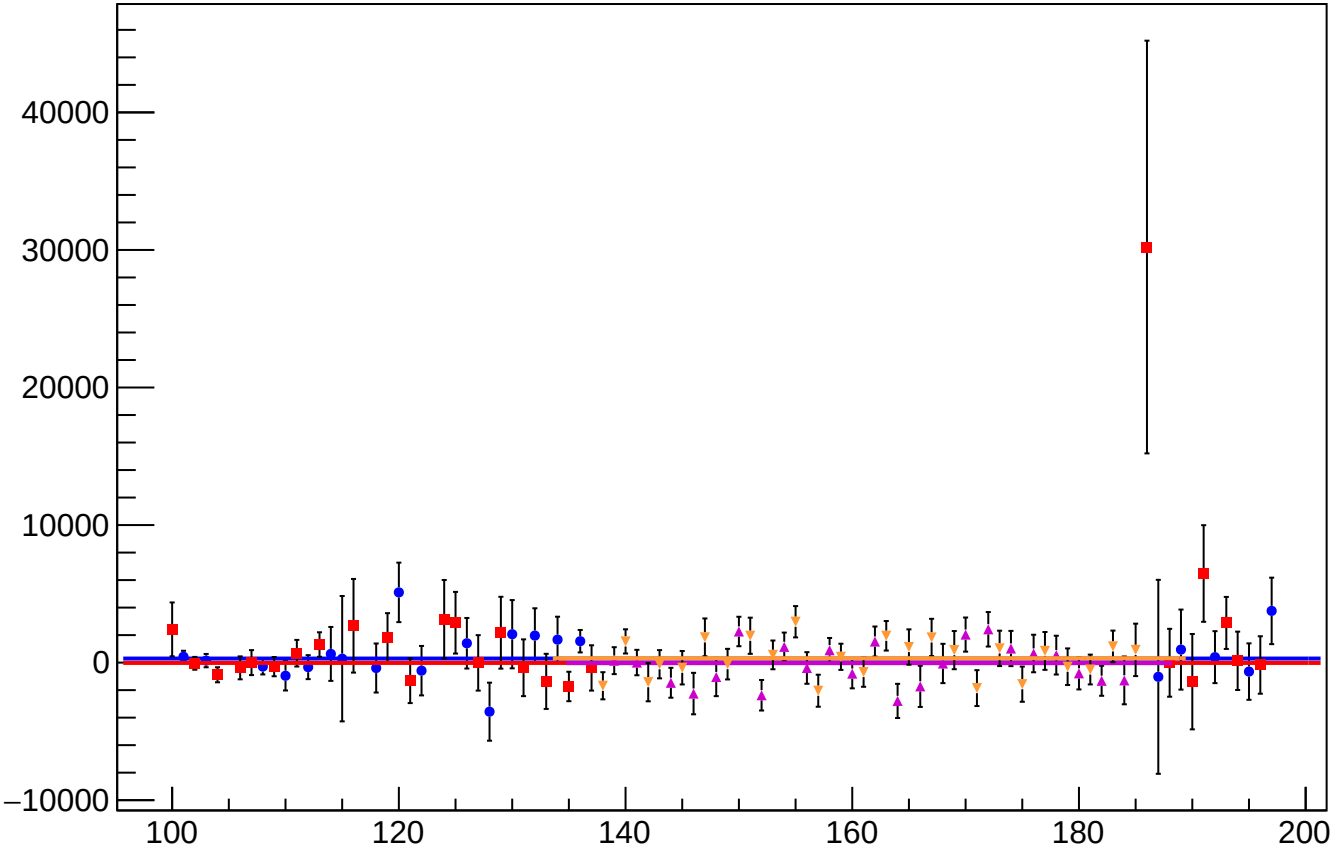
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 139.712+/-0.019 χ^2/NDF: 3369432.4/45

All: 138.808+/-0.013 χ^2/NDF: 8009891.5/94

- sign 137.914+/-0.018 χ^2/NDF: 4635757.5/48

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 295.454+/-225.742 χ^2/NDF: 18.8/20

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -23.917+/-226.348 χ^2/NDF: 26.3/25

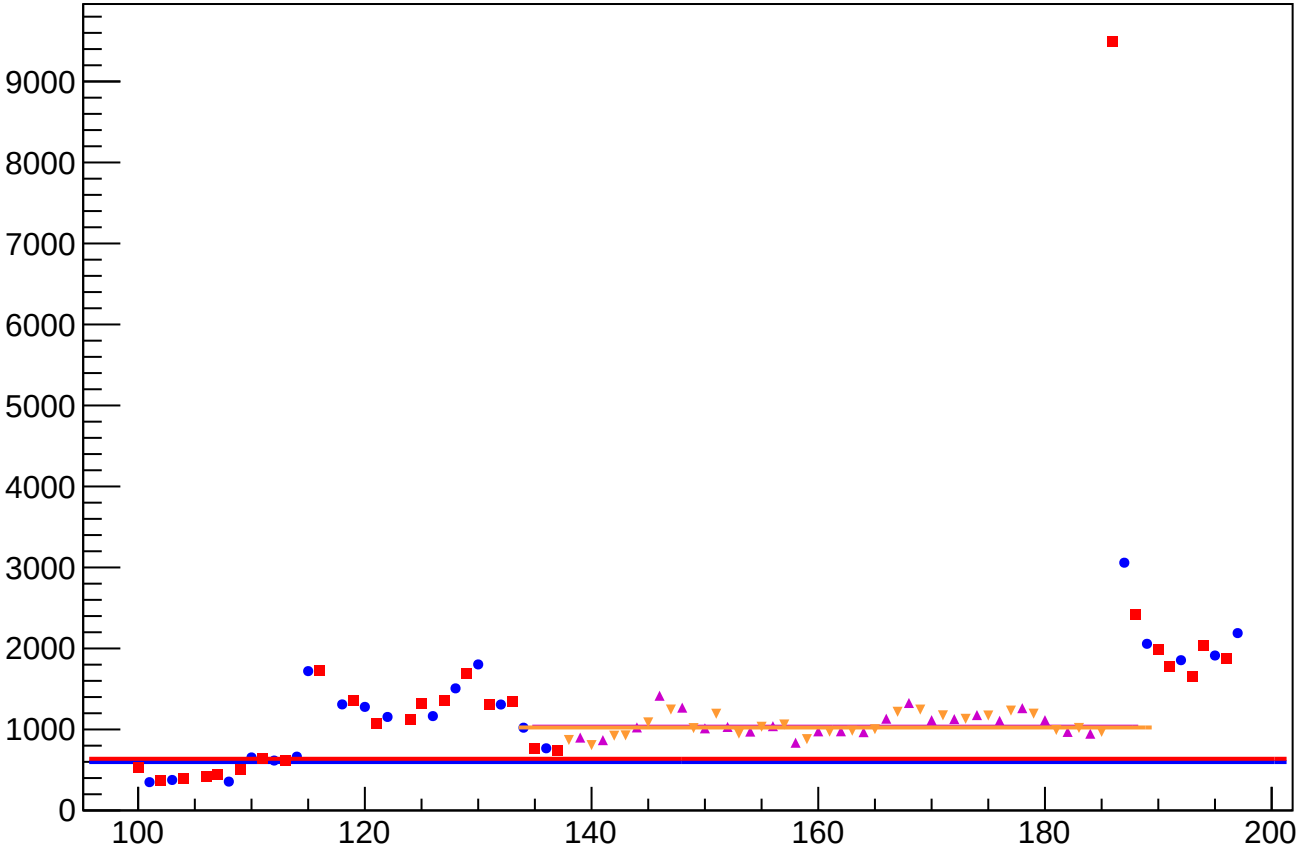
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 307.207+/-162.826 χ^2/NDF: 51.4/45

All: 141.369+/-116.238 χ^2/NDF: 114.5/94

- sign -30.980+/-165.991 χ^2/NDF: 61.0/48

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 597.352+/-0.160 χ^2/NDF: 7100230.8/20

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 637.930+/-0.160 χ^2/NDF: 7745139.1/25

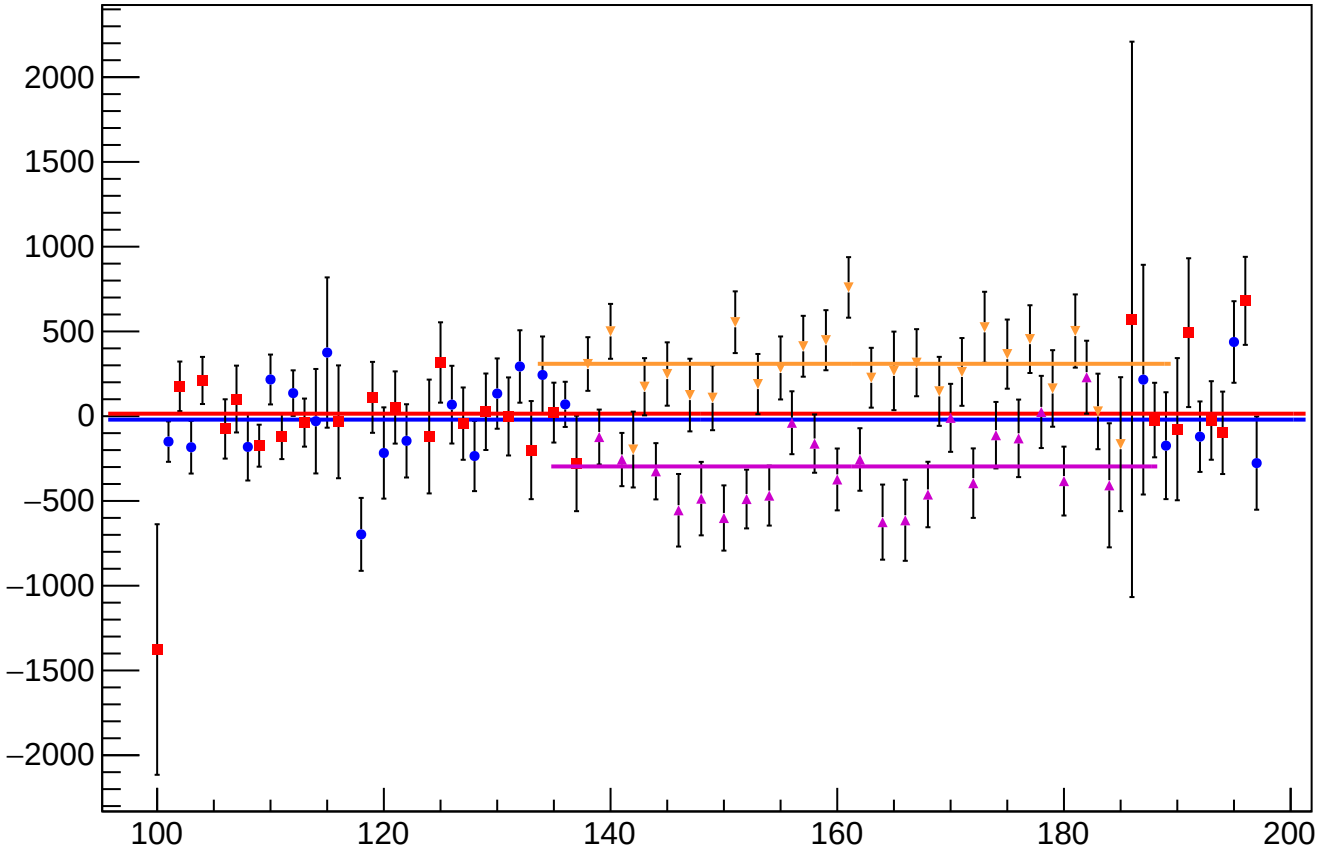
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 802.267+/-0.115 χ^2/NDF: 11133047.1/45

All: 811.548+/-0.082 χ^2/NDF: 22356474.7/94

- sign 821.193+/-0.117 χ^2/NDF: 11210176.8/48

dit_asym_sam6_mean vs Slug



Right In: -20.240+/-43.019 χ^2/NDF: 29.3/20

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 14.738+/-40.514 χ^2/NDF: 22.6/25

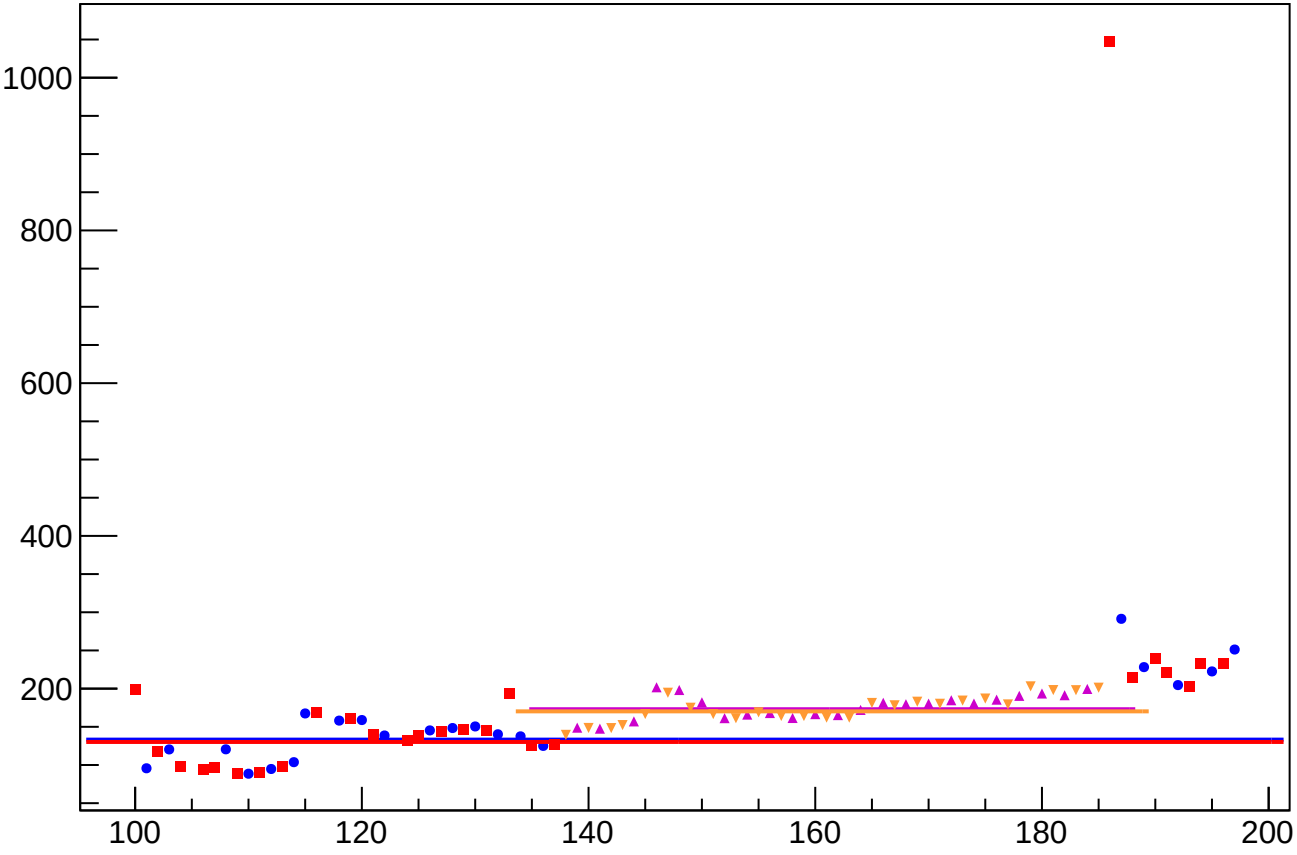
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 160.907+/-28.853 χ^2/NDF: 87.1/45

All: 9.286+/-20.341 χ^2/NDF: 221.8/94

- sign -140.523+/-28.680 χ^2/NDF: 79.9/48

dit_asym_sam6_rms vs Slug



Right In: 133.220+/-0.030 χ^2/NDF: 1855084.9/20

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 130.174+/-0.029 χ^2/NDF: 3013741.0/25

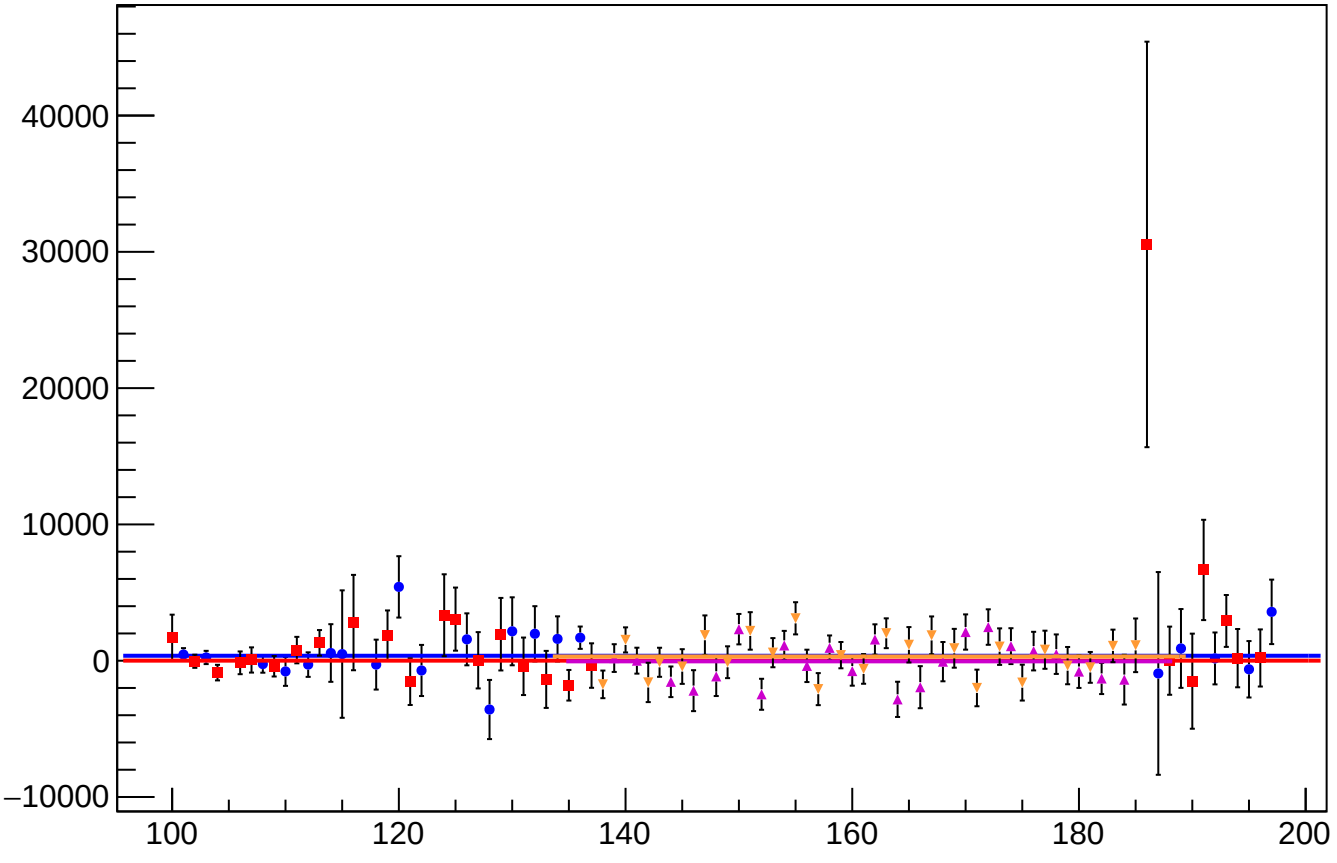
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 153.587+/-0.020 χ^2/NDF: 3036200.4/45

All: 152.562+/-0.014 χ^2/NDF: 7464726.3/94

- sign 151.550+/-0.020 χ^2/NDF: 4423512.1/48

asym_sam6_dit_correction_mean vs Slug



Right In: 363.726+/-235.918 χ^2/NDF: 18.4/20

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 5.135+/-233.540 χ^2/NDF: 25.4/25

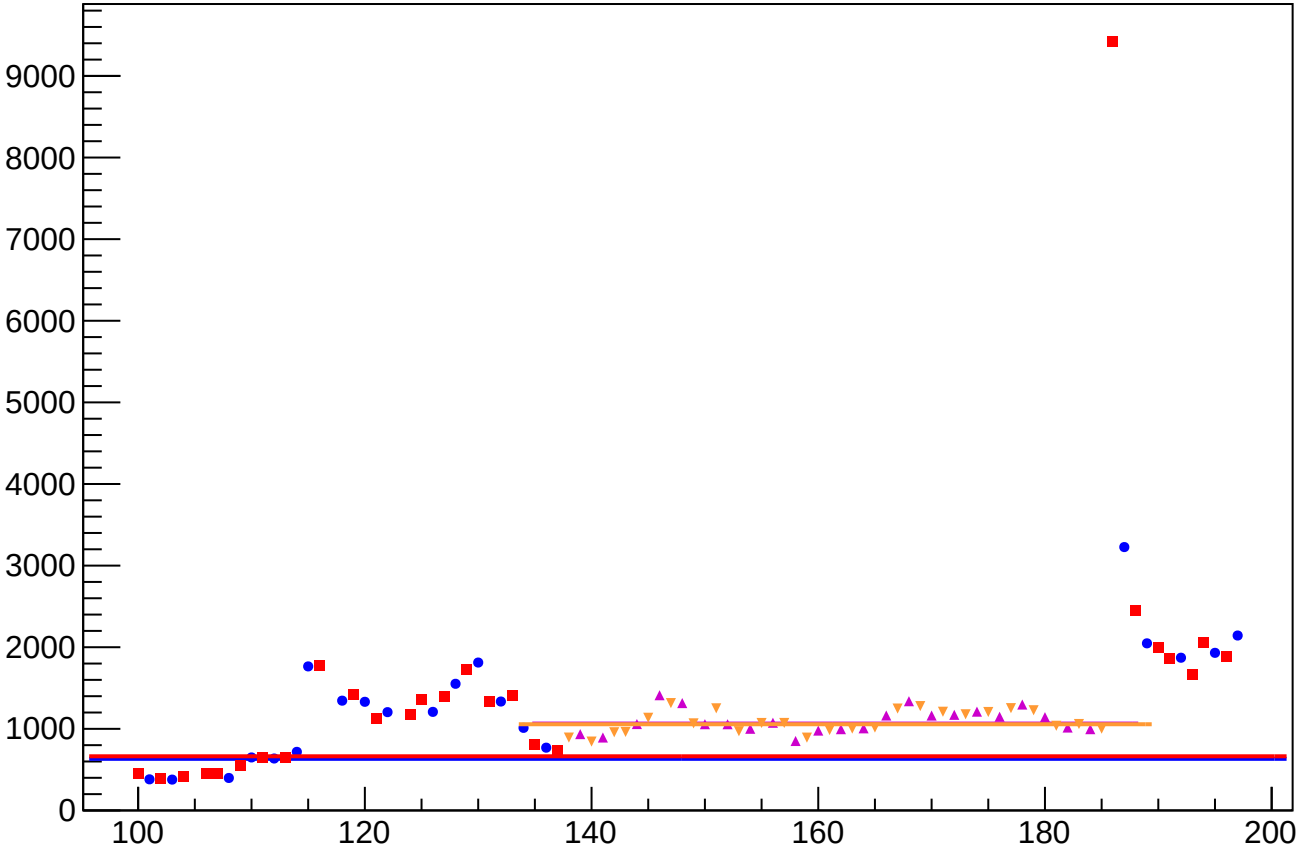
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 339.362+/-169.065 χ^2/NDF: 51.3/45

All: 162.212+/-120.245 χ^2/NDF: 113.4/94

- sign -19.137+/-171.057 χ^2/NDF: 59.8/48

asym_sam6_dit_correction_rms vs Slug



Right In: 632.571+/-0.167 χ^2/NDF: 6753326.0/20

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 663.682+/-0.165 χ^2/NDF: 7620560.8/25

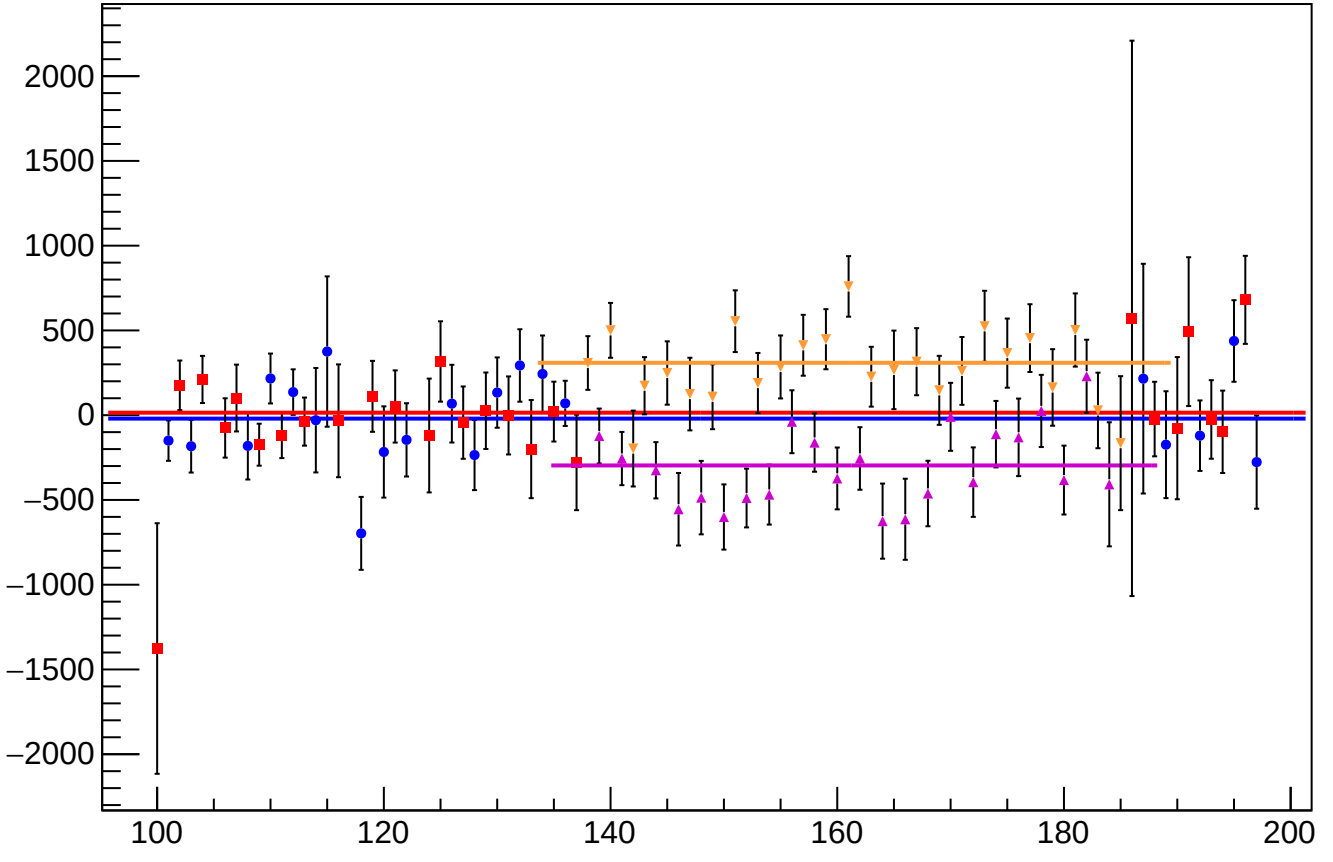
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 838.706+/-0.120 χ^2/NDF: 10502937.4/45

All: 844.067+/-0.085 χ^2/NDF: 21471872.5/94

- sign 849.555+/-0.121 χ^2/NDF: 10964865.1/48

eigen_dit_asym_sam6_mean vs Slug



Right In: -20.242+/-43.019 χ^2/NDF: 29.3/20

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 14.738+/-40.514 χ^2/NDF: 22.6/25

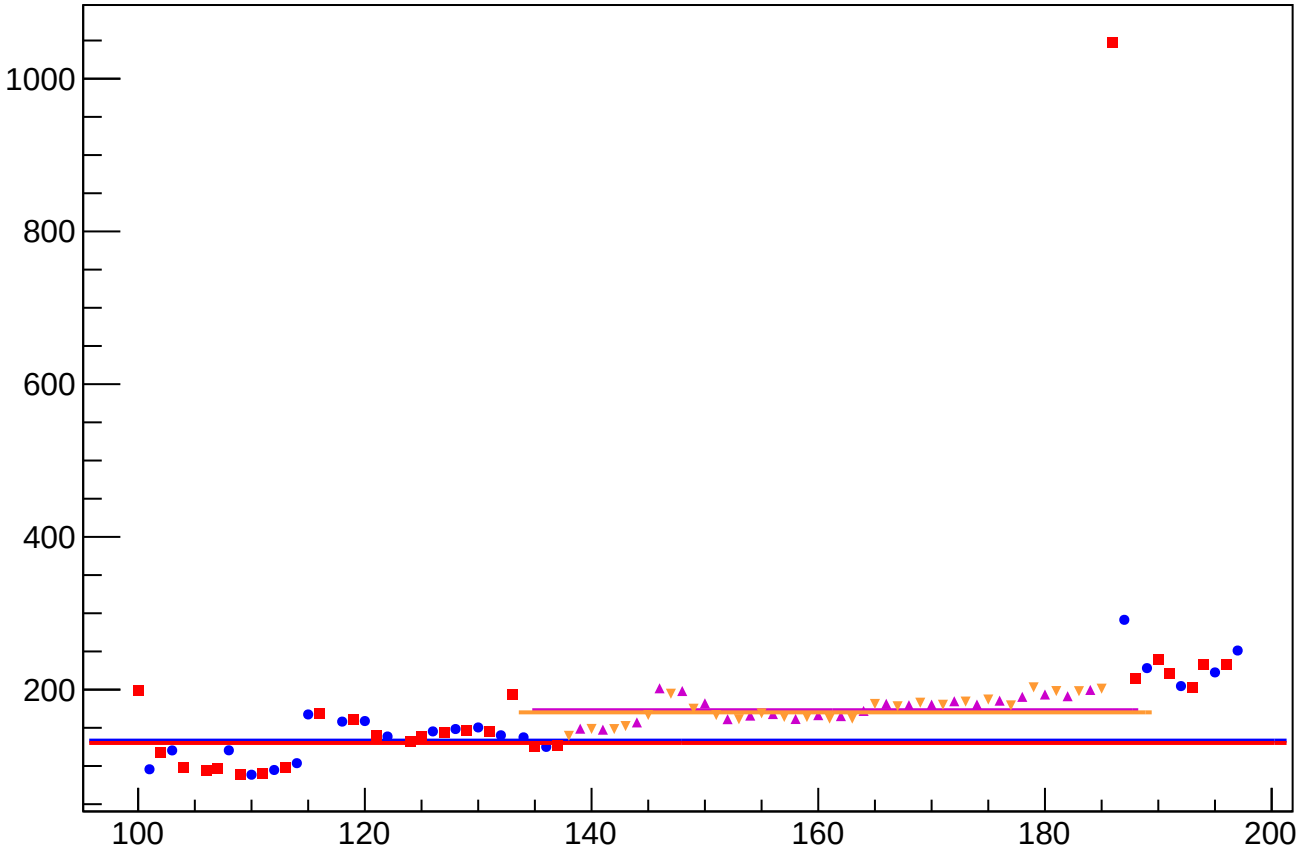
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 160.907+/-28.853 χ^2/NDF: 87.1/45

All: 9.286+/-20.341 χ^2/NDF: 221.8/94

- sign -140.524+/-28.680 χ^2/NDF: 79.9/48

eigen_dit_asym_sam6_rms vs Slug



Right In: 133.220+/-0.030 χ^2/NDF: 1855094.6/20

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 130.174+/-0.029 χ^2/NDF: 3013740.7/25

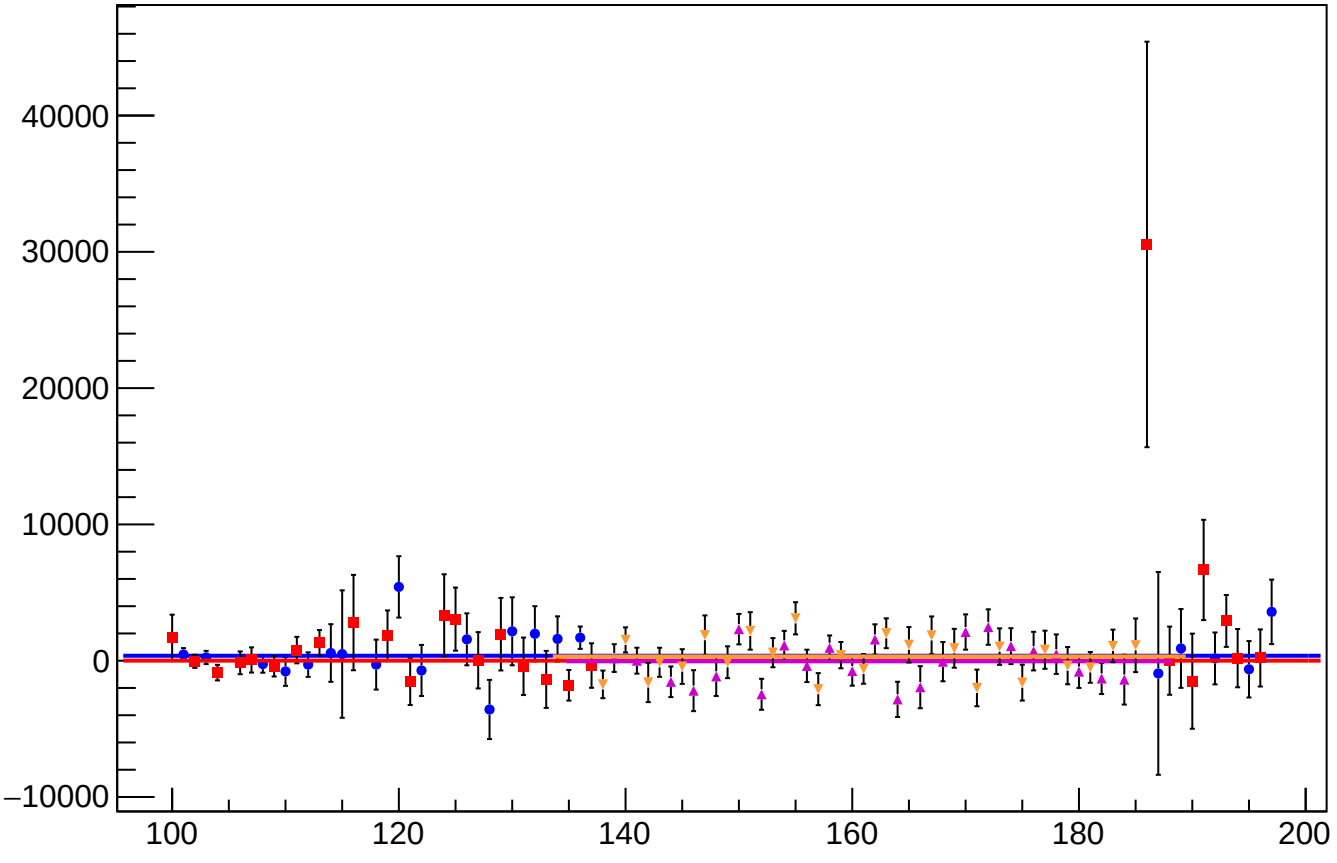
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 153.587+/-0.020 χ^2/NDF: 3036216.8/45

All: 152.562+/-0.014 χ^2/NDF: 7464748.2/94

- sign 151.550+/-0.020 χ^2/NDF: 4423517.7/48

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 363.726+/-235.918 χ^2/NDF: 18.4/20

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 5.134+/-233.540 χ^2/NDF: 25.4/25

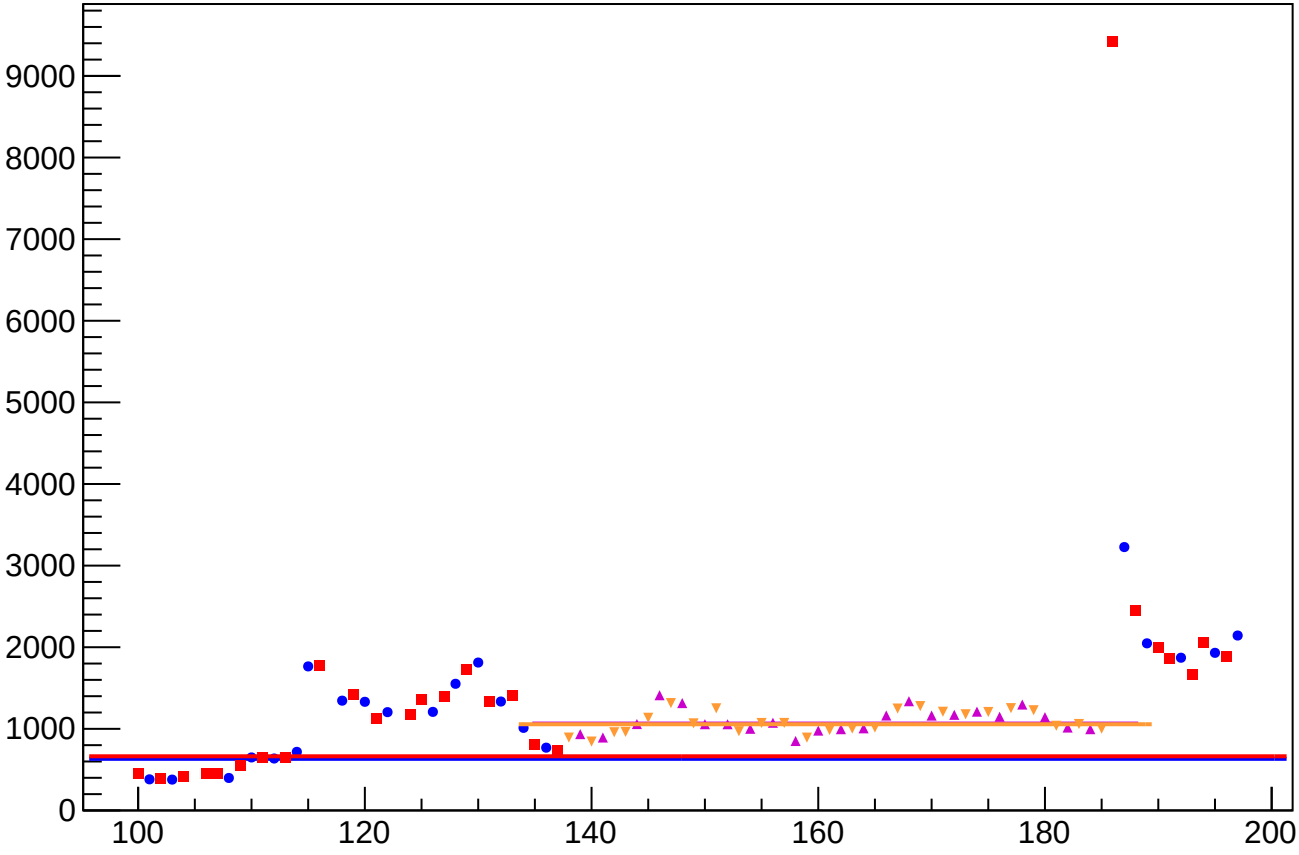
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 339.362+/-169.065 χ^2/NDF: 51.3/45

All: 162.211+/-120.245 χ^2/NDF: 113.4/94

- sign -19.138+/-171.057 χ^2/NDF: 59.8/48

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 632.570+/-0.167 χ^2/NDF: 6753333.6/20

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 663.681+/-0.165 χ^2/NDF: 7620563.9/25

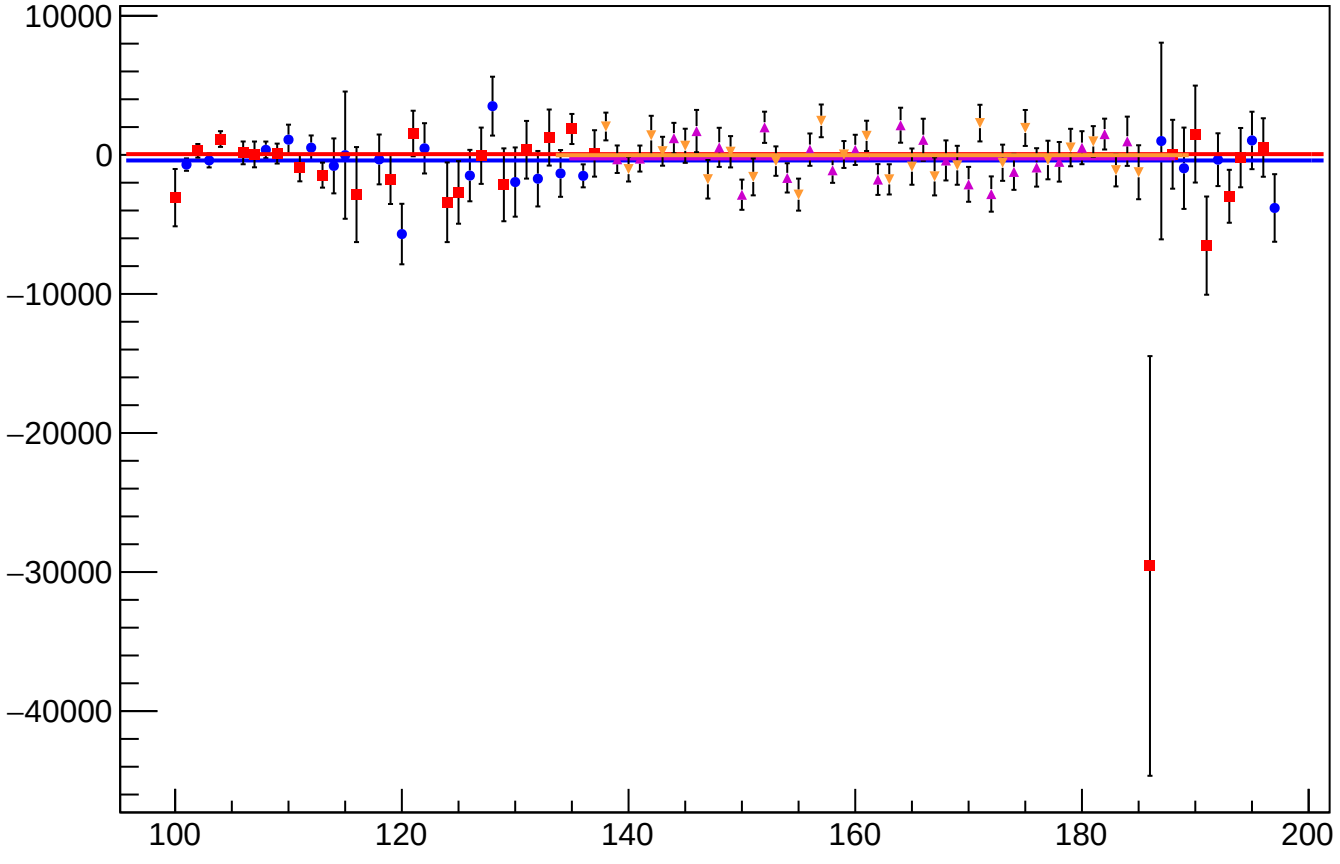
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 838.705+/-0.120 χ^2/NDF: 10502968.1/45

All: 844.067+/-0.085 χ^2/NDF: 21471919.6/94

- sign 849.555+/-0.121 χ^2/NDF: 10964881.4/48

asym_sam6_mean vs Slug



Right In: -401.348+/-232.226 χ^2/NDF: 20.5/20

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 53.421+/-231.433 χ^2/NDF: 29.6/25

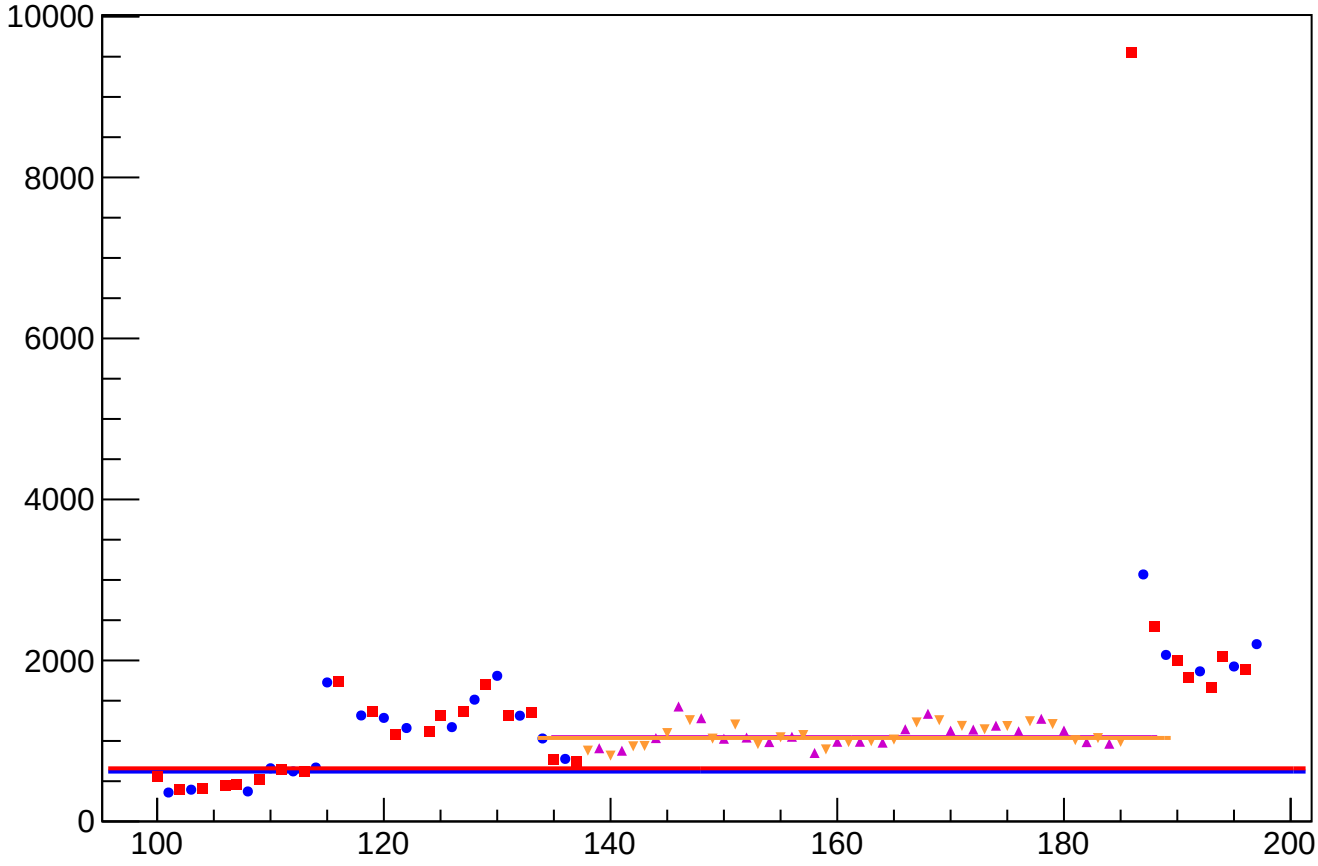
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -216.241+/-166.203 χ^2/NDF: 56.3/45

All: -154.560+/-118.482 χ^2/NDF: 120.5/94

- sign -90.825+/-168.948 χ^2/NDF: 64.0/48

asym_sam6_rms vs Slug



Right In: 619.491+/-0.164 χ^2/NDF: 6867516.9/20

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 659.767+/-0.164 χ^2/NDF: 7498216.6/25

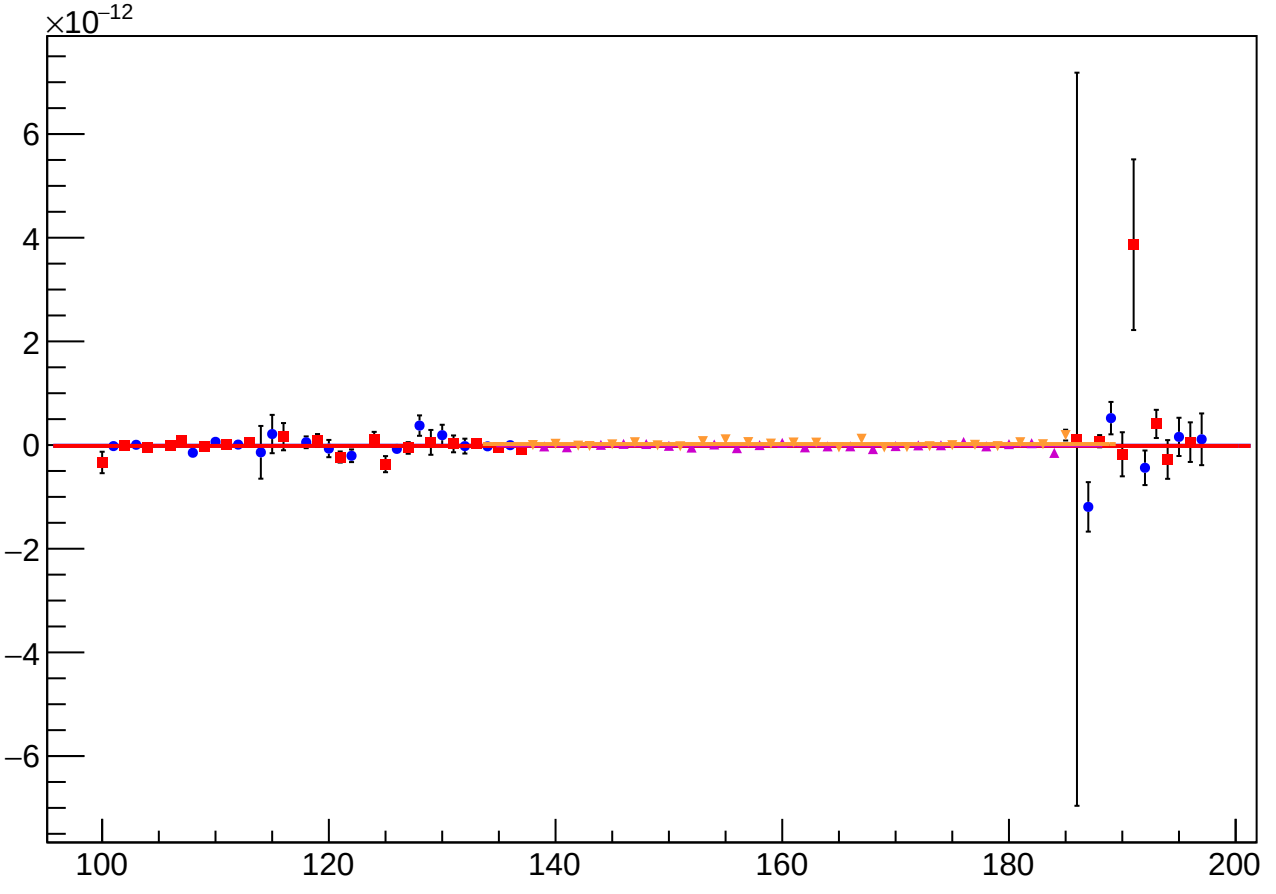
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 823.302+/-0.118 χ^2/NDF: 10611232.1/45

All: 831.973+/-0.084 χ^2/NDF: 21357693.6/94

- sign 840.933+/-0.119 χ^2/NDF: 10735393.3/48

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/25

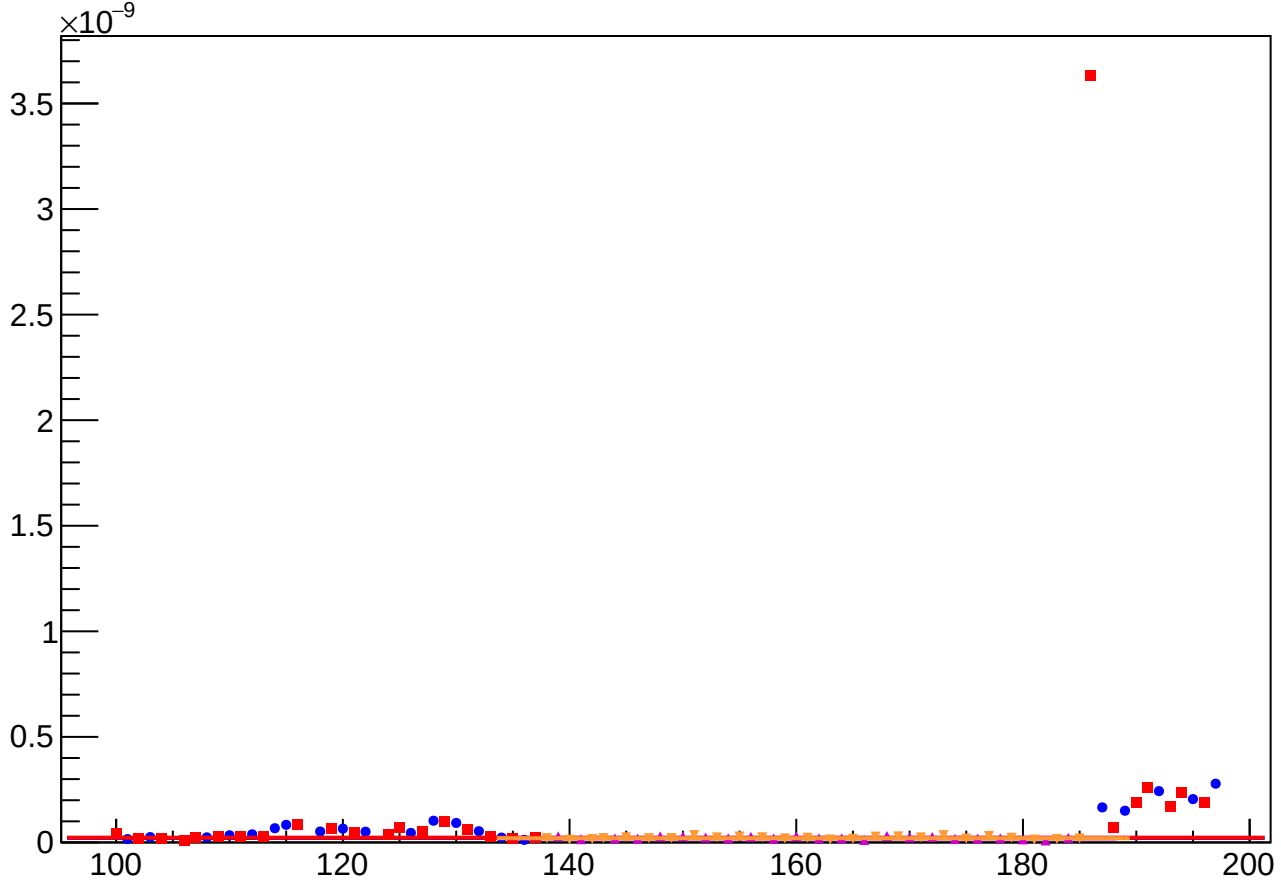
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/45

All: 0.000+/-0.000 χ^2/NDF: 114.3/94

- sign -0.000+/-0.000 χ^2/NDF: 48.2/48

asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4456482.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4719666.4/25

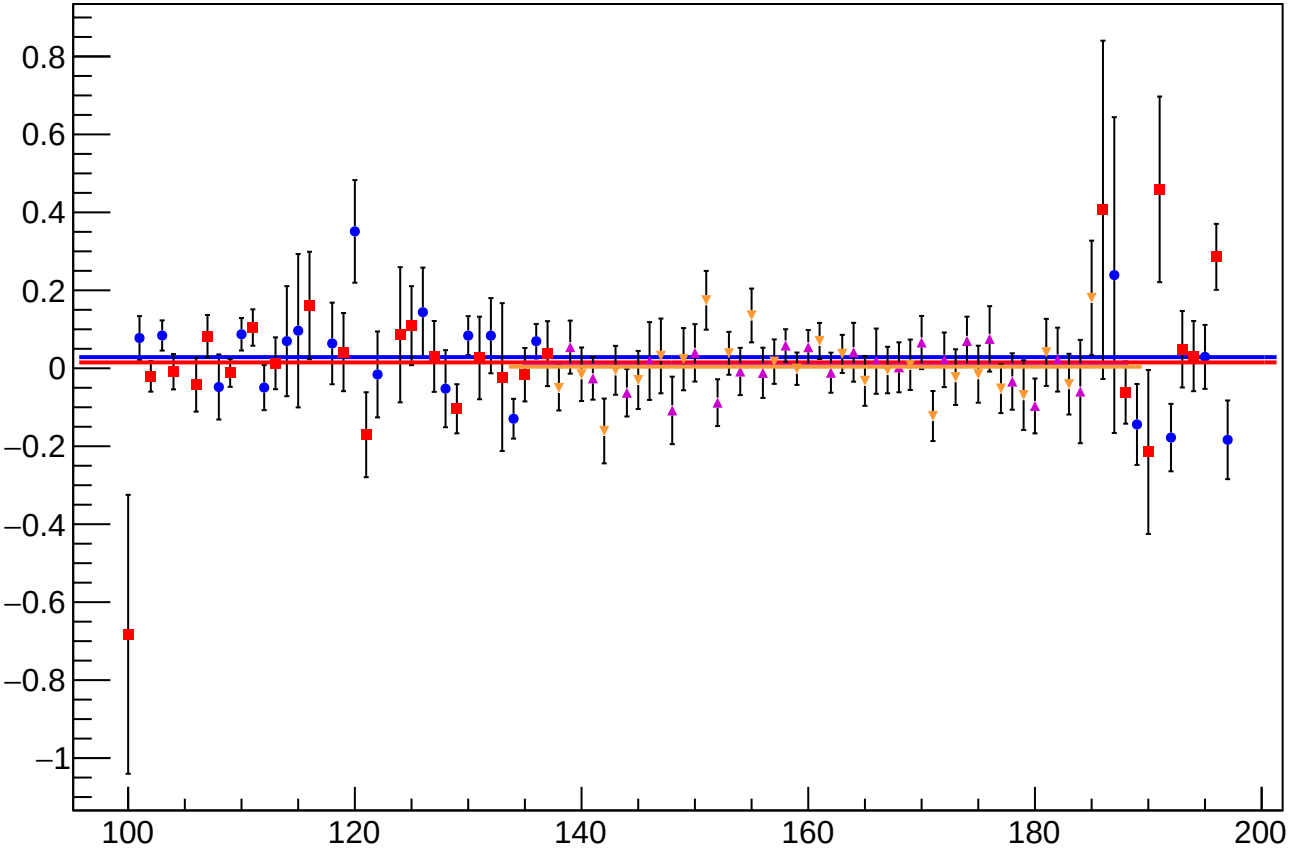
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5461528.4/45

All: 0.000+/-0.000 χ^2/NDF: 11324920.0/94

- sign 0.000+/-0.000 χ^2/NDF: 5858712.7/48

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.015 χ^2/NDF: 40.8/20

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.015+/-0.014 χ^2/NDF: 37.2/25

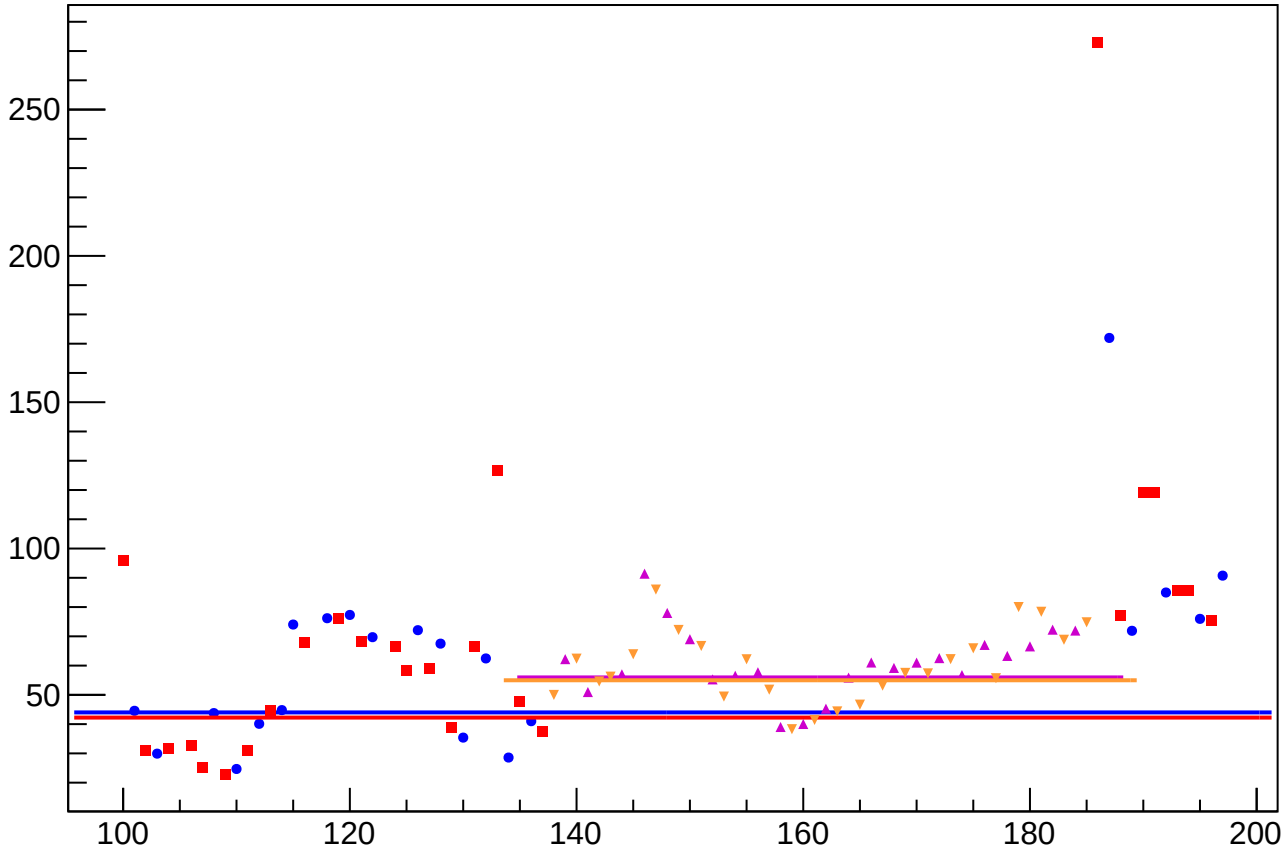
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.1/45

All: 0.013+/-0.007 χ^2/NDF: 119.6/94

- sign 0.011+/-0.010 χ^2/NDF: 52.5/48

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 44.001+/-0.011 χ^2/NDF: 3261302.9/20

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 42.237+/-0.010 χ^2/NDF: 4947572.7/25

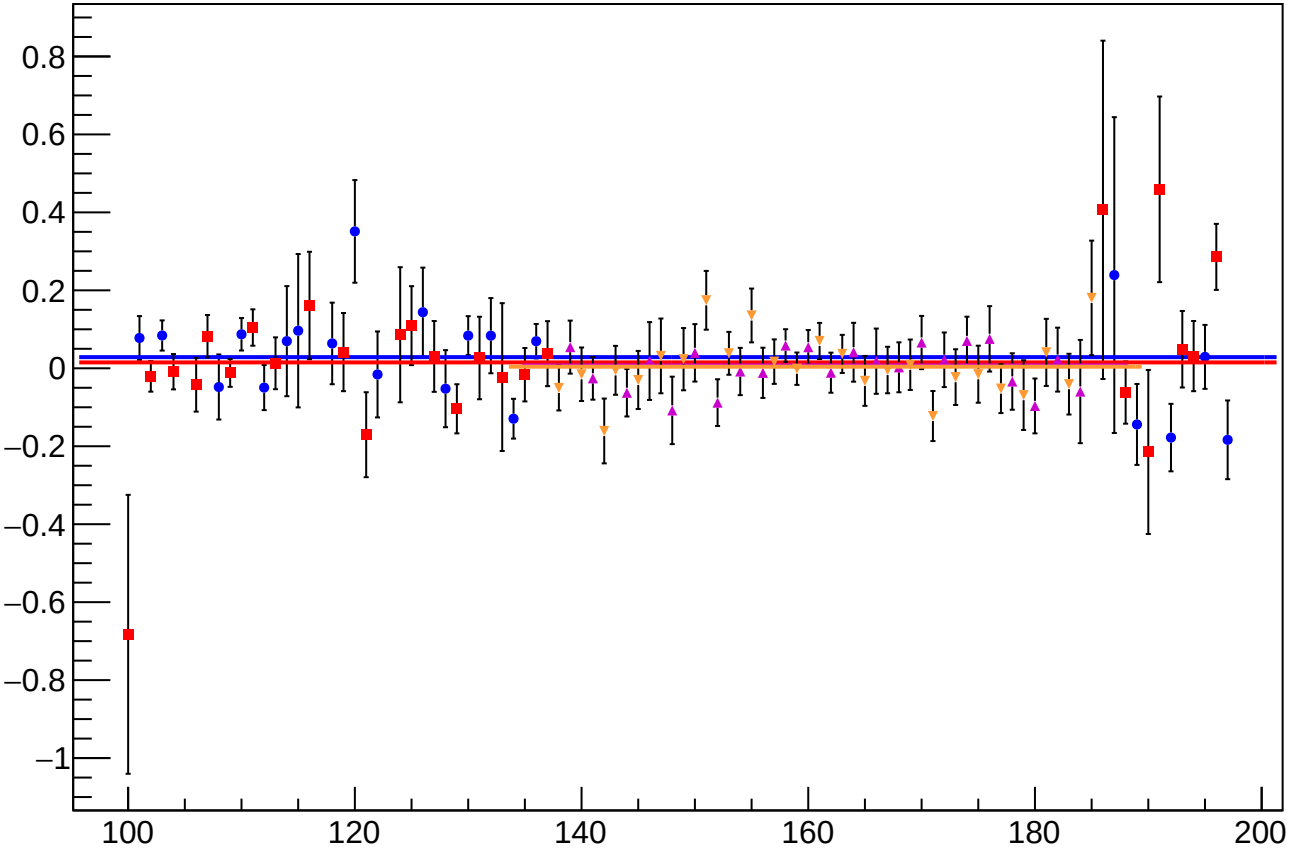
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 50.336+/-0.007 χ^2/NDF: 5436968.9/45

All: 49.887+/-0.005 χ^2/NDF: 12777098.8/94

- sign 49.441+/-0.007 χ^2/NDF: 7331829.8/48

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029+/-0.015 χ^2/NDF: 40.8/20

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.015+/-0.014 χ^2/NDF: 37.2/25

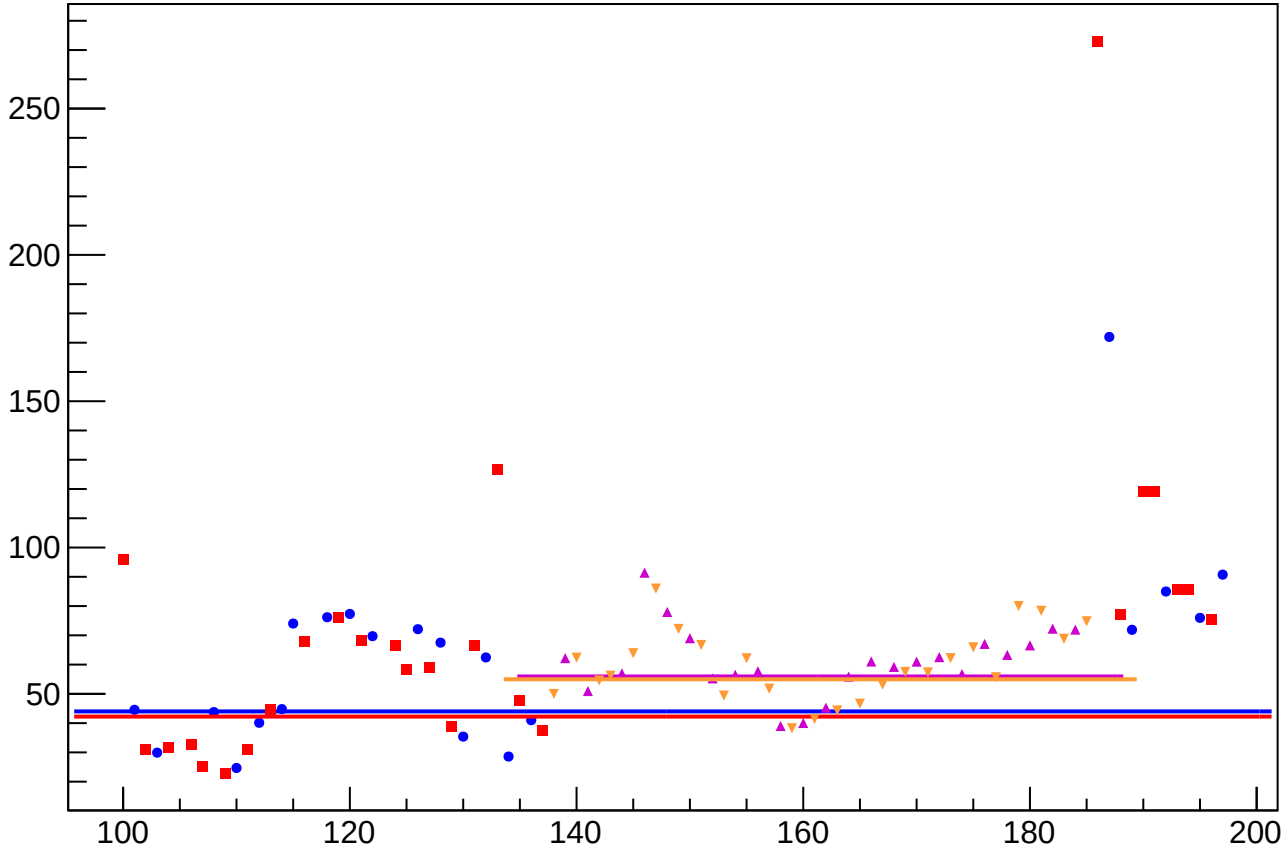
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.1/45

All: 0.013+/-0.007 χ^2/NDF: 119.6/94

- sign 0.011+/-0.010 χ^2/NDF: 52.5/48

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.001+/-0.011 χ^2/NDF: 3261302.9/20

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 42.237+/-0.010 χ^2/NDF: 4947572.7/25

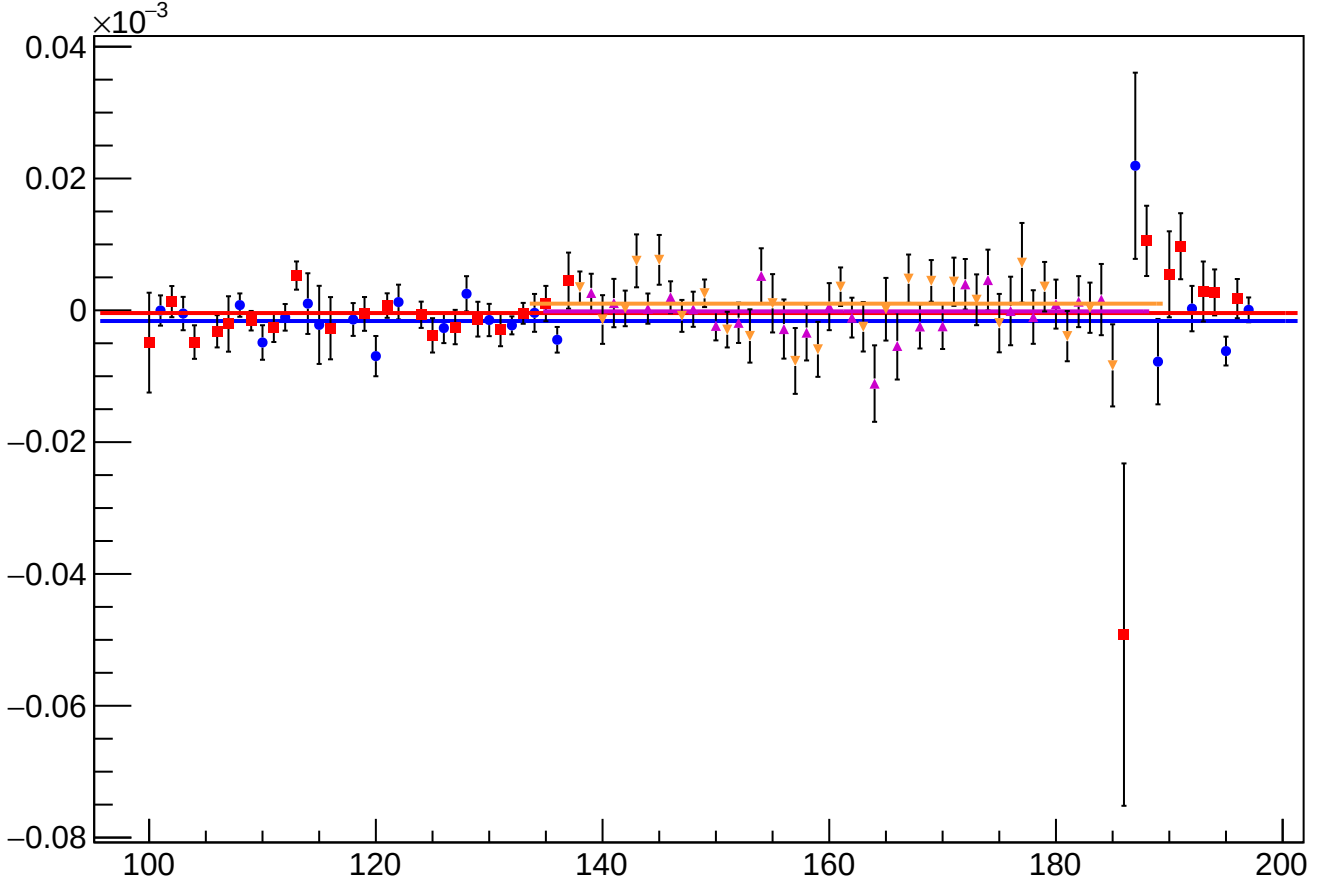
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 50.336+/-0.007 χ^2/NDF: 5436968.9/45

All: 49.887+/-0.005 χ^2/NDF: 12777098.8/94

- sign 49.441+/-0.007 χ^2/NDF: 7331829.8/48

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/25

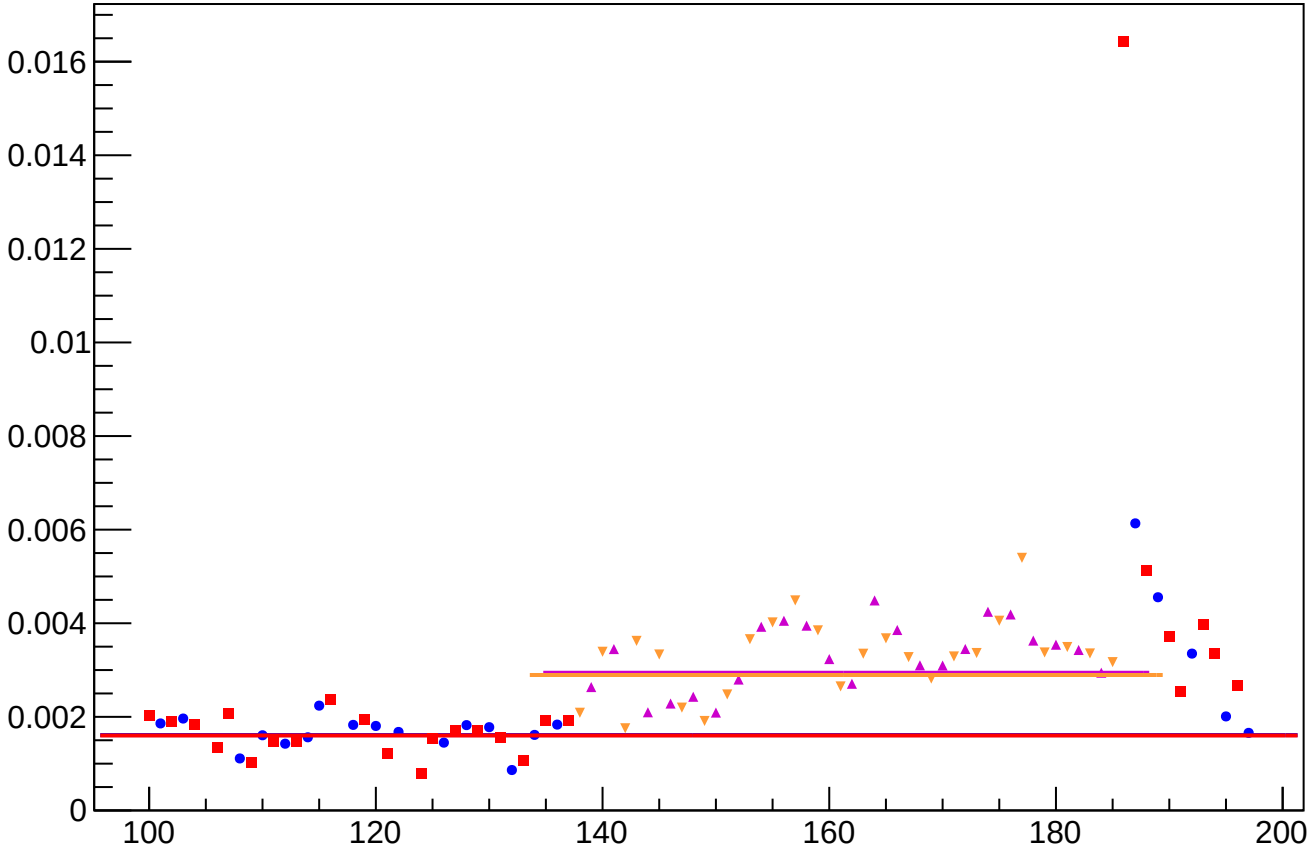
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.8/45

All: -0.000+/-0.000 χ^2/NDF: 109.5/94

- sign -0.000+/-0.000 χ^2/NDF: 48.4/48

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2140942.1/20

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4334601.2/25

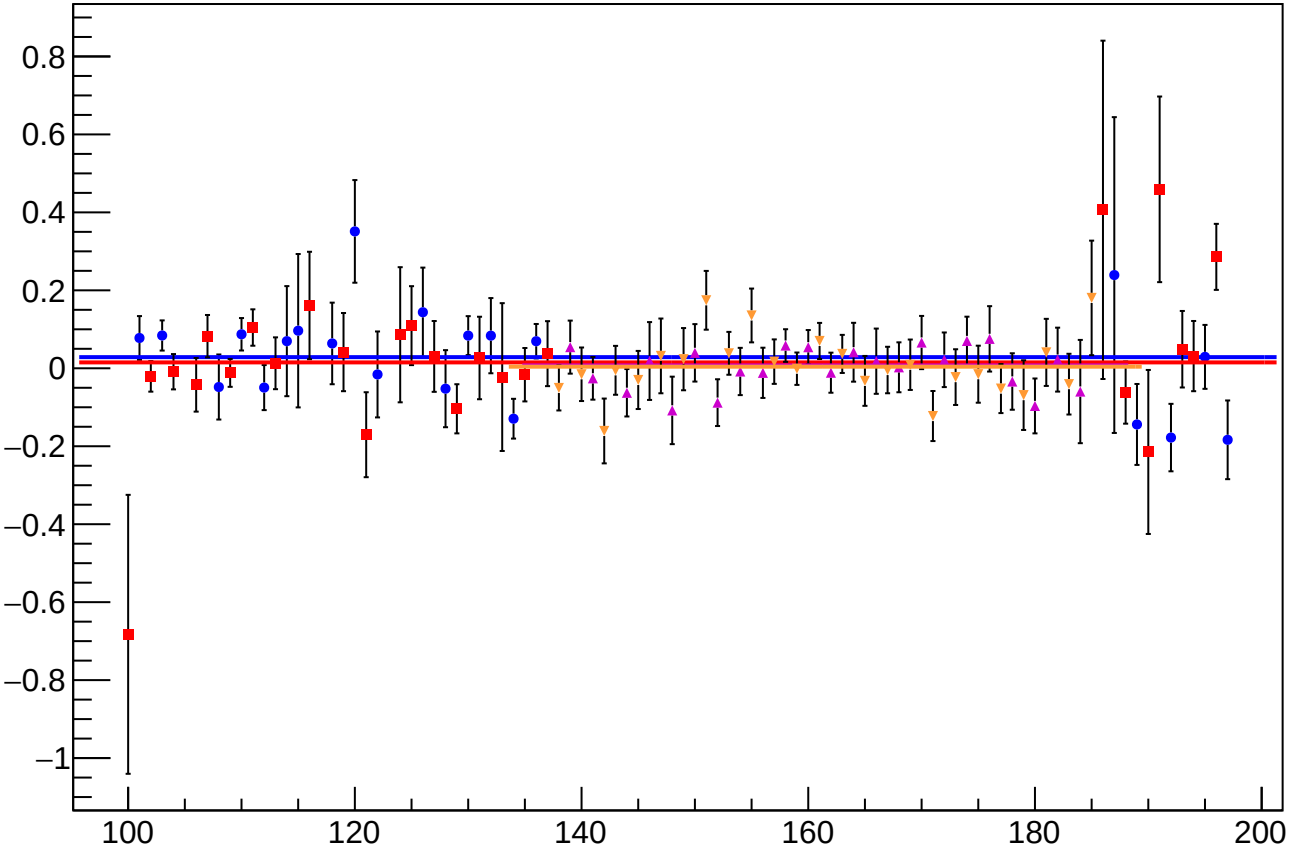
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 9172747.1/45

All: 0.002+/-0.000 χ^2/NDF: 20051298.8/94

- sign 0.002+/-0.000 χ^2/NDF: 10875694.1/48

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.015 χ^2/NDF: 40.8/20

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.015+/-0.014 χ^2/NDF: 37.2/25

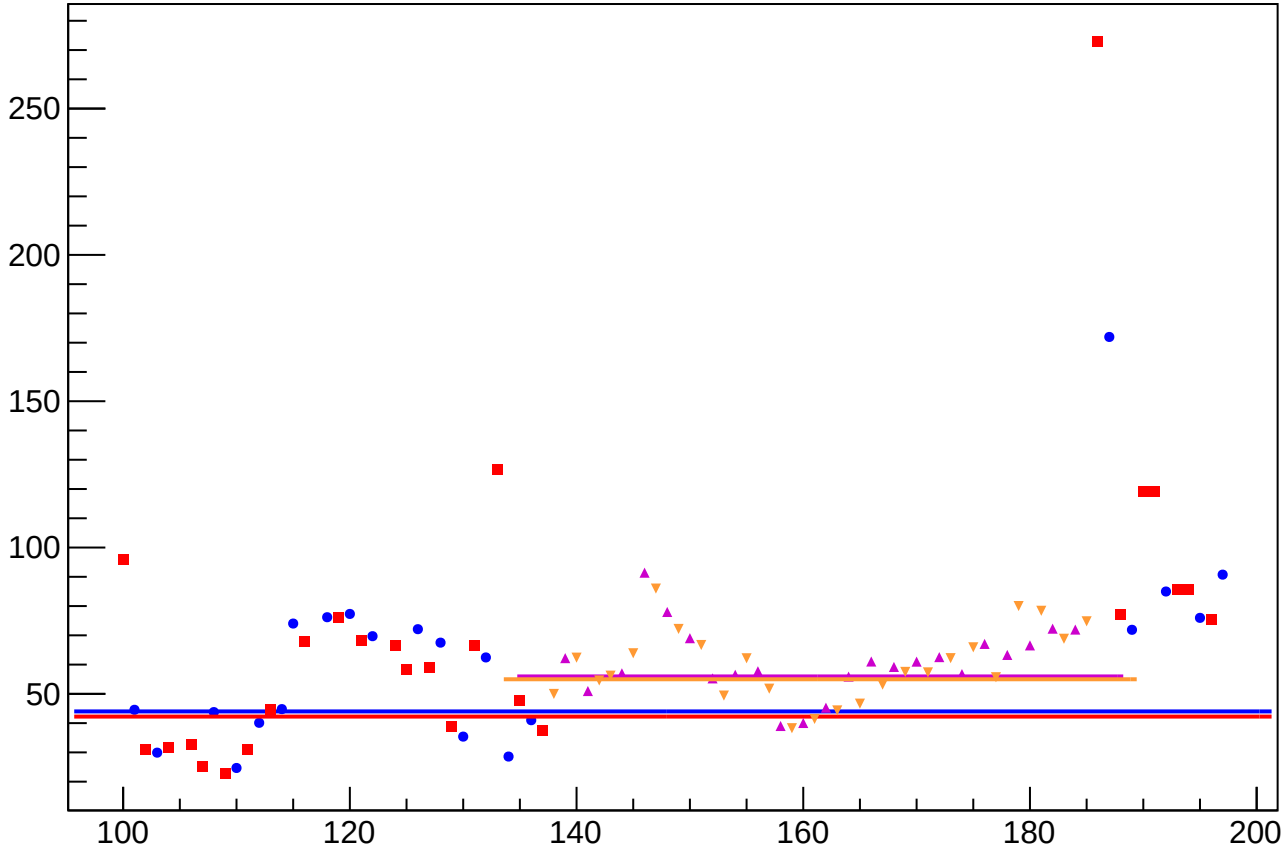
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.1/45

All: 0.013+/-0.007 χ^2/NDF: 119.6/94

- sign 0.011+/-0.010 χ^2/NDF: 52.5/48

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.001+/-0.011 χ^2/NDF: 3261363.0/20

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

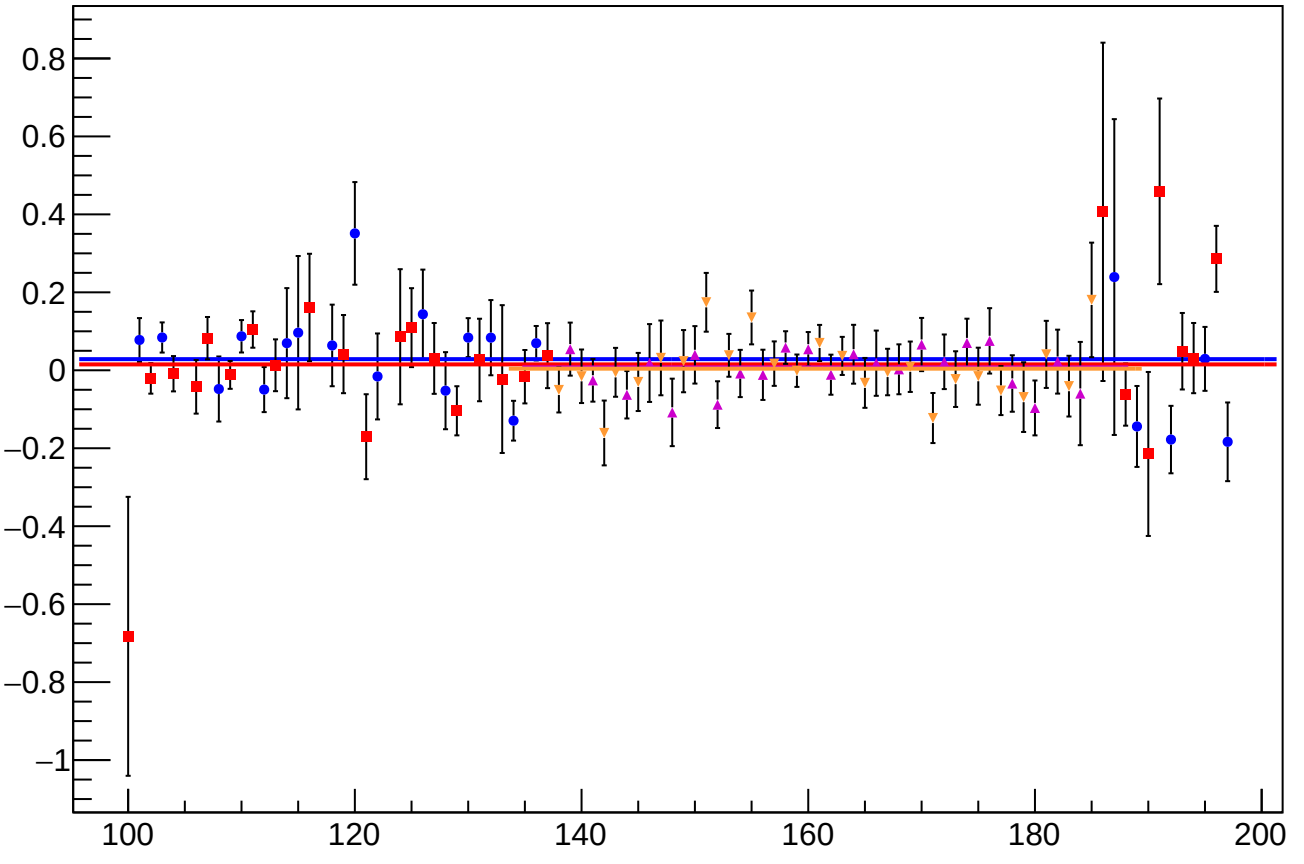
Right Out: 42.237+/-0.010 χ^2/NDF: 4947550.7/25

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

\+ sign 50.335+/-0.007 χ^2/NDF: 5437118.8/45

All: 49.886+/-0.005 χ^2/NDF: 12777295.2/94

\- sign 49.441+/-0.007 χ^2/NDF: 7331877.8/48



Right In: 0.029+/-0.015 χ^2/NDF: 40.8/20

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.015+/-0.014 χ^2/NDF: 37.2/25

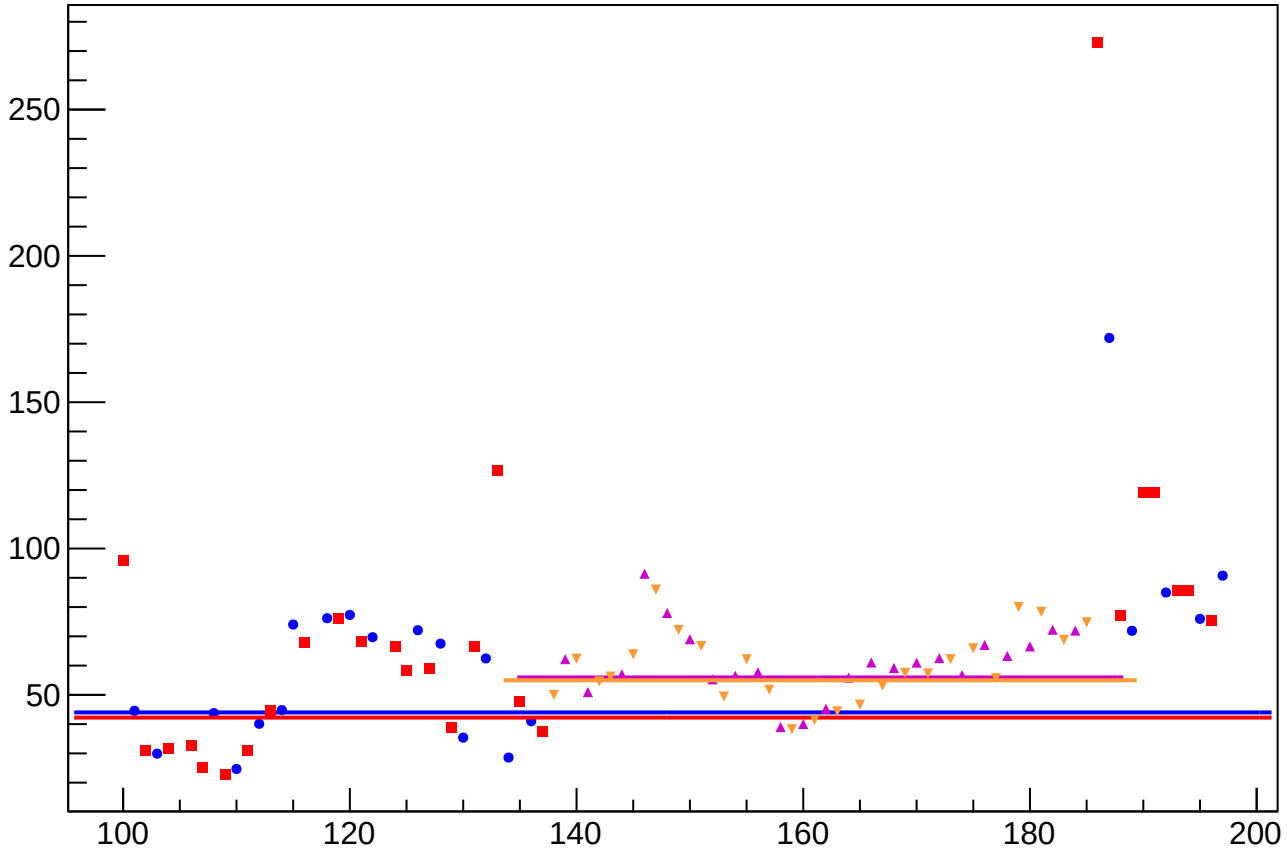
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.1/45

All: 0.013+/-0.007 χ^2/NDF: 119.6/94

- sign 0.011+/-0.010 χ^2/NDF: 52.5/48

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.001+/-0.011 χ^2/NDF: 3261363.0/20

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 42.237+/-0.010 χ^2/NDF: 4947550.7/25

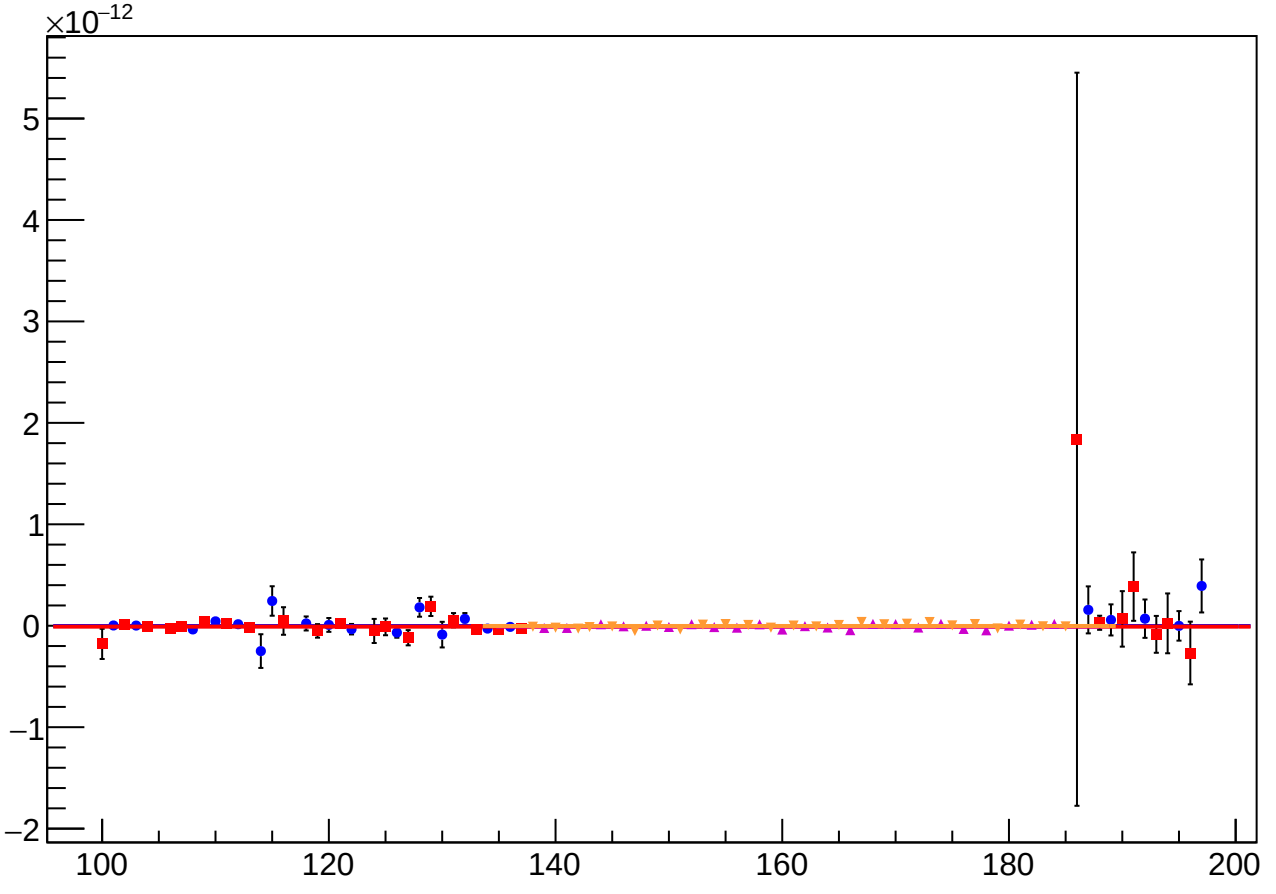
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

\+ sign 50.335+/-0.007 χ^2/NDF: 5437118.8/45

All: 49.886+/-0.005 χ^2/NDF: 12777295.2/94

\- sign 49.441+/-0.007 χ^2/NDF: 7331877.8/48

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

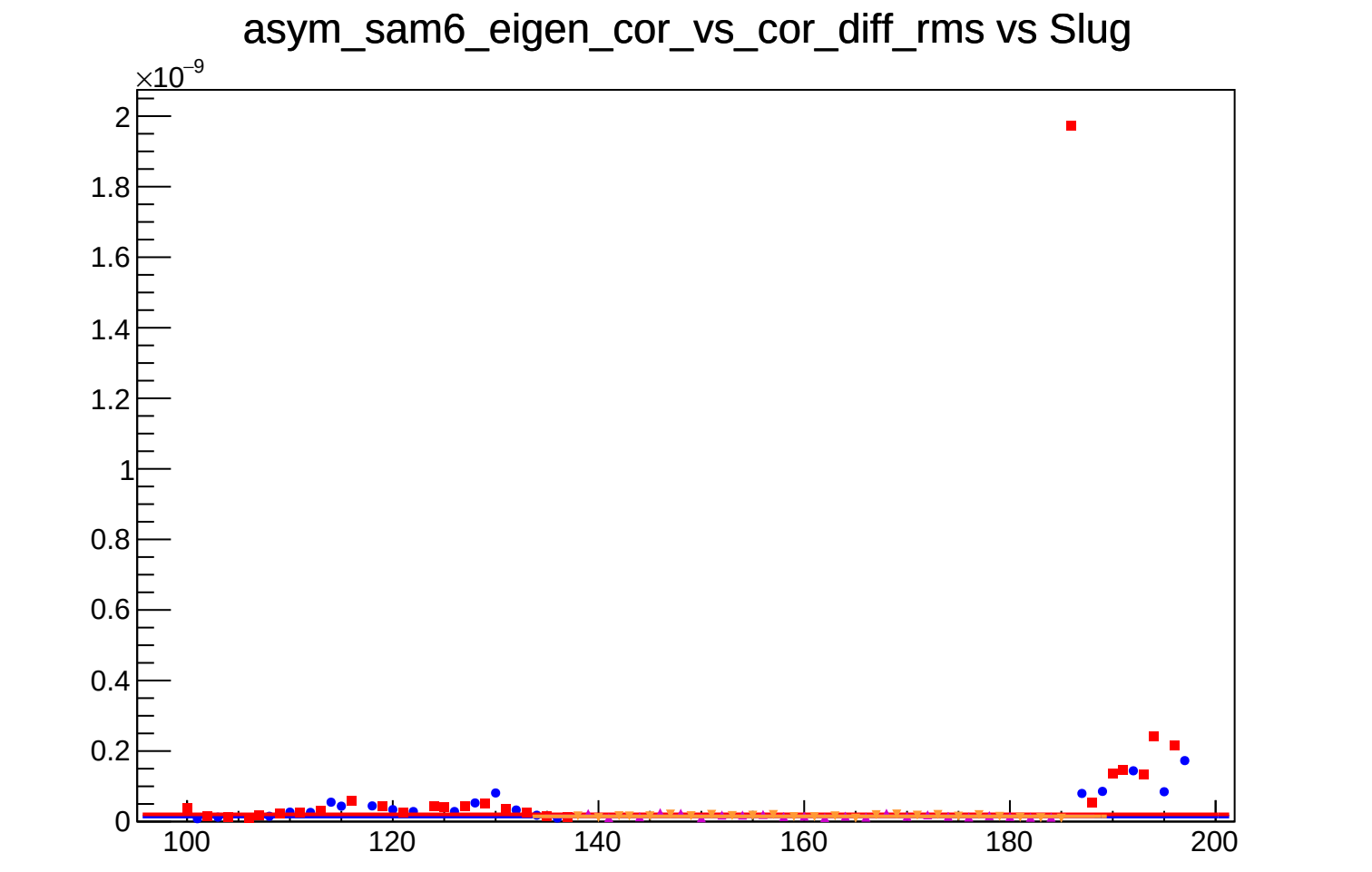
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/25

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/45

All: -0.000+/-0.000 χ^2/NDF: 80.3/94

- sign -0.000+/-0.000 χ^2/NDF: 40.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 5945481.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6504233.4/25

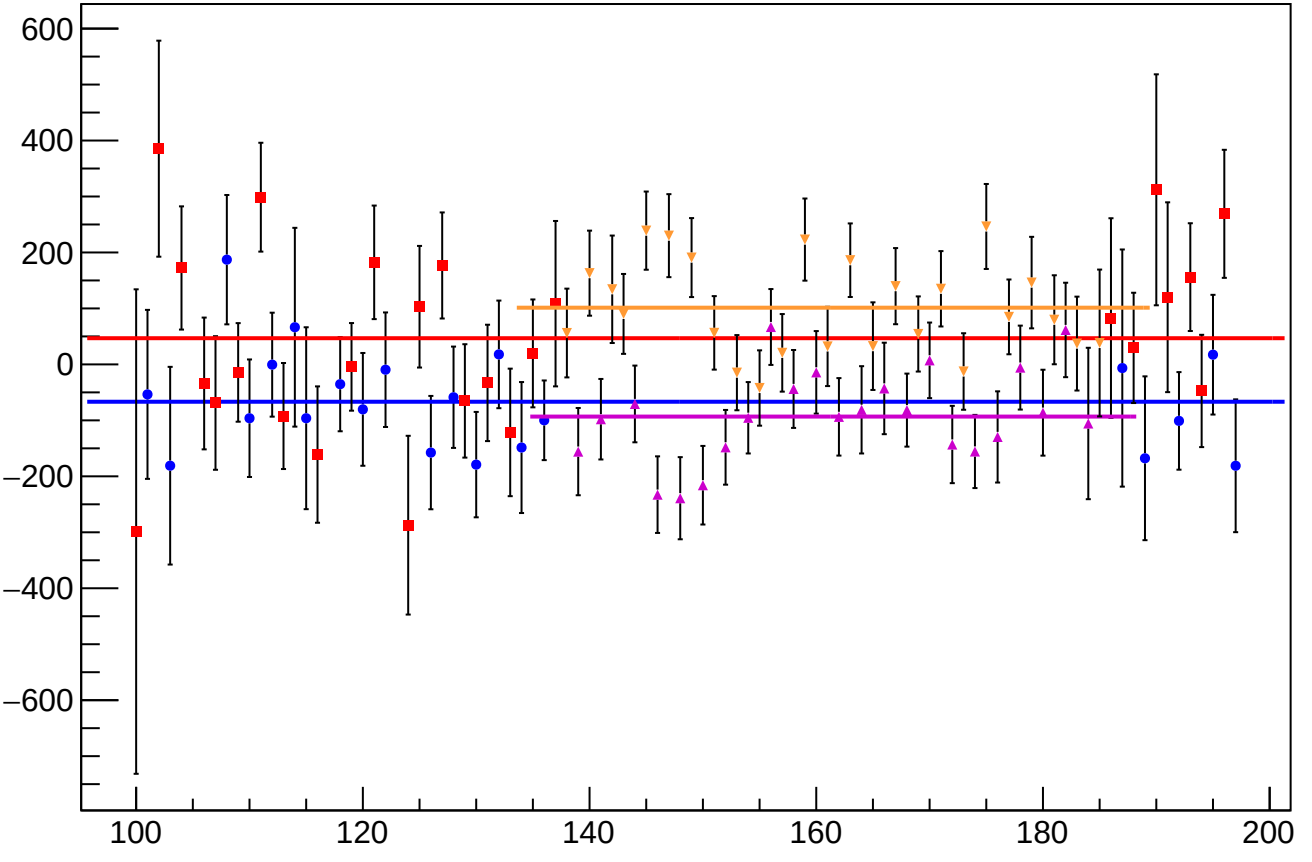
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7354561.6/45

All: 0.000+/-0.000 χ^2/NDF: 16032003.3/94

- sign 0.000+/-0.000 χ^2/NDF: 8556817.0/48

reg_asym_sam7_mean vs Slug



Right In: -66.721+/-23.362 χ^2/NDF: 12.9/20

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 46.796+/-22.017 χ^2/NDF: 39.5/25

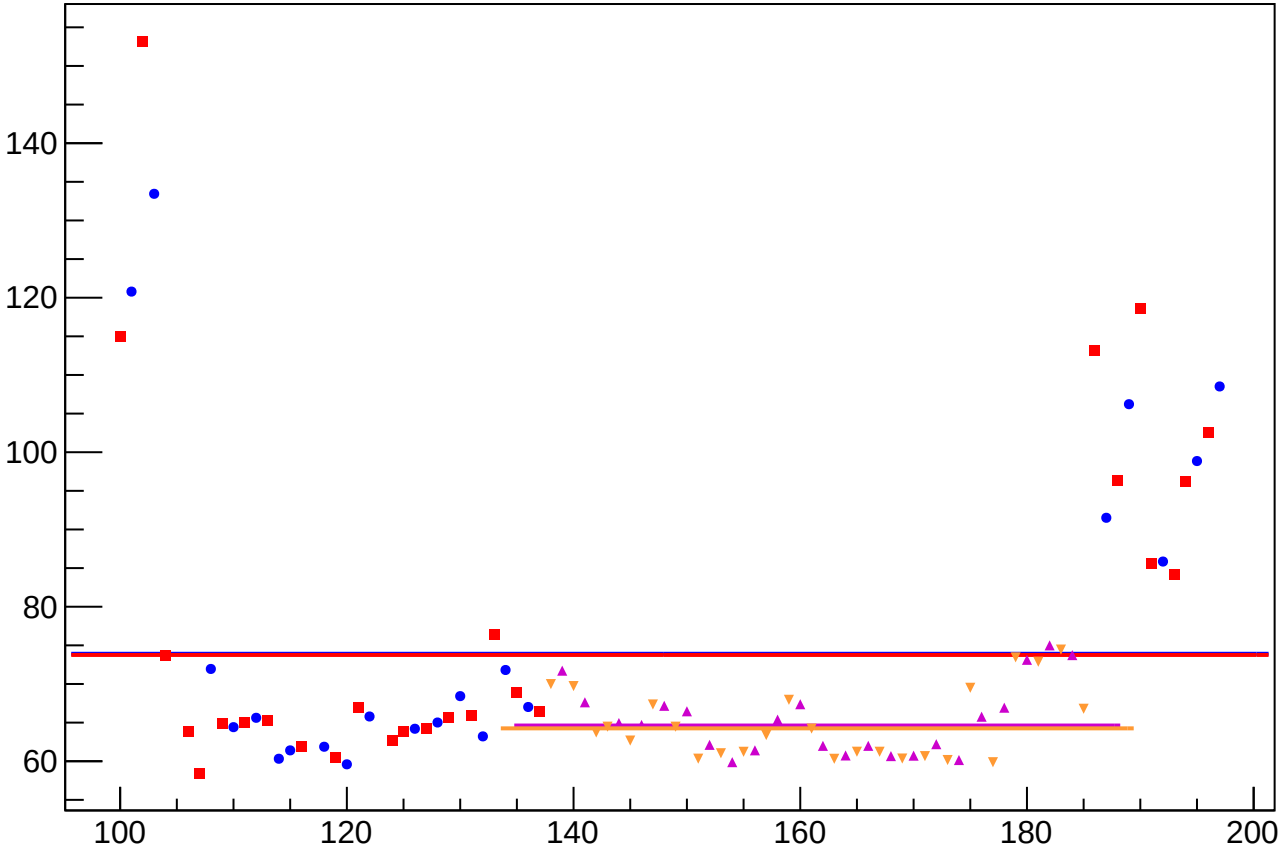
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 53.934+/-12.407 χ^2/NDF: 83.9/45

All: 3.095+/-8.796 χ^2/NDF: 213.5/94

- sign -48.292+/-12.473 χ^2/NDF: 95.8/48

reg_asym_sam7_rms vs Slug



Right In: 73.908+/-0.017 χ^2/NDF: 1086563.6/20

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 73.759+/-0.016 χ^2/NDF: 1180690.7/25

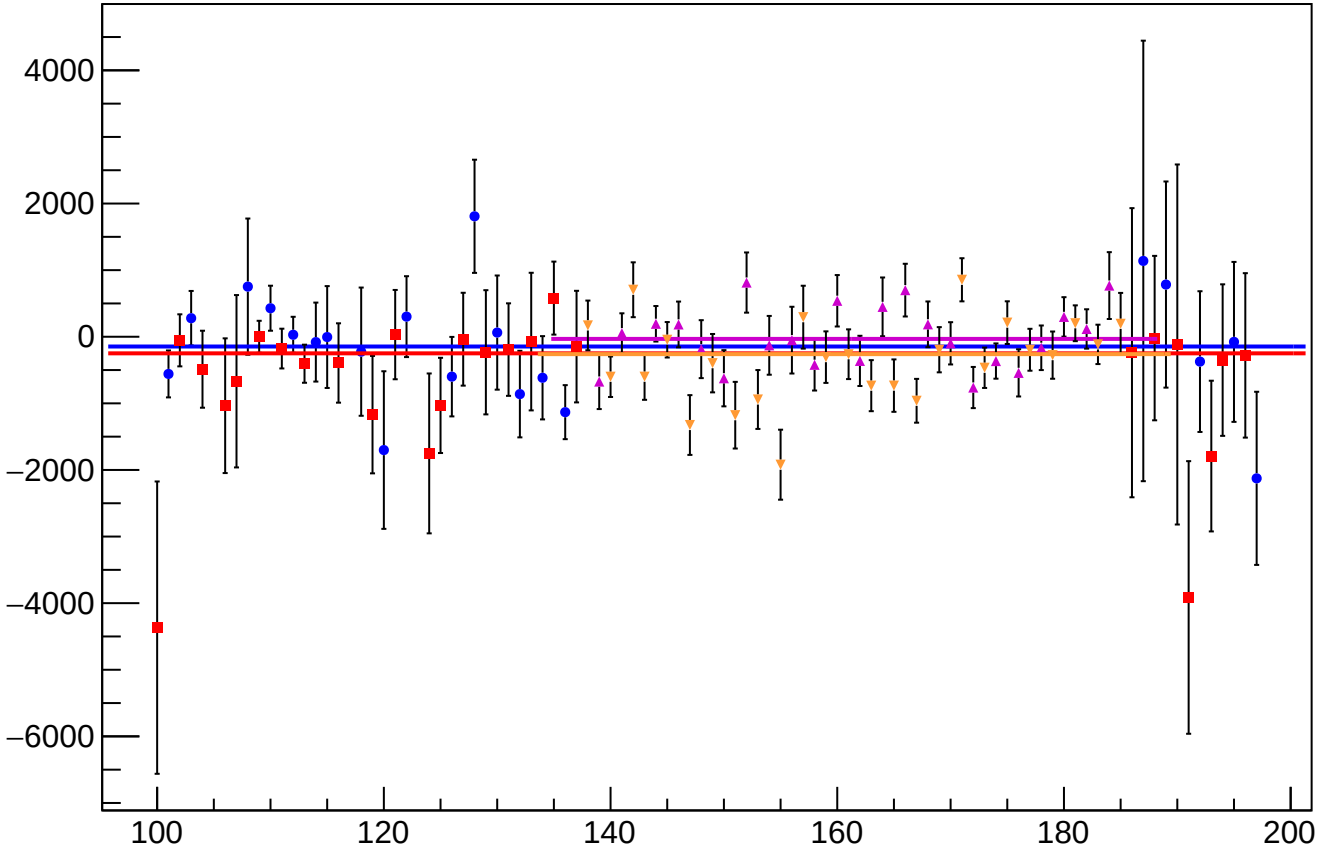
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.978+/-0.009 χ^2/NDF: 1509407.6/45

All: 67.264+/-0.006 χ^2/NDF: 3073389.0/94

- sign 67.554+/-0.009 χ^2/NDF: 1561835.8/48

asym_sam7_reg_correction_mean vs Slug



Right In: -146.597+/-123.302 χ^2/NDF: 25.4/20

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -249.180+/-115.058 χ^2/NDF: 17.7/25

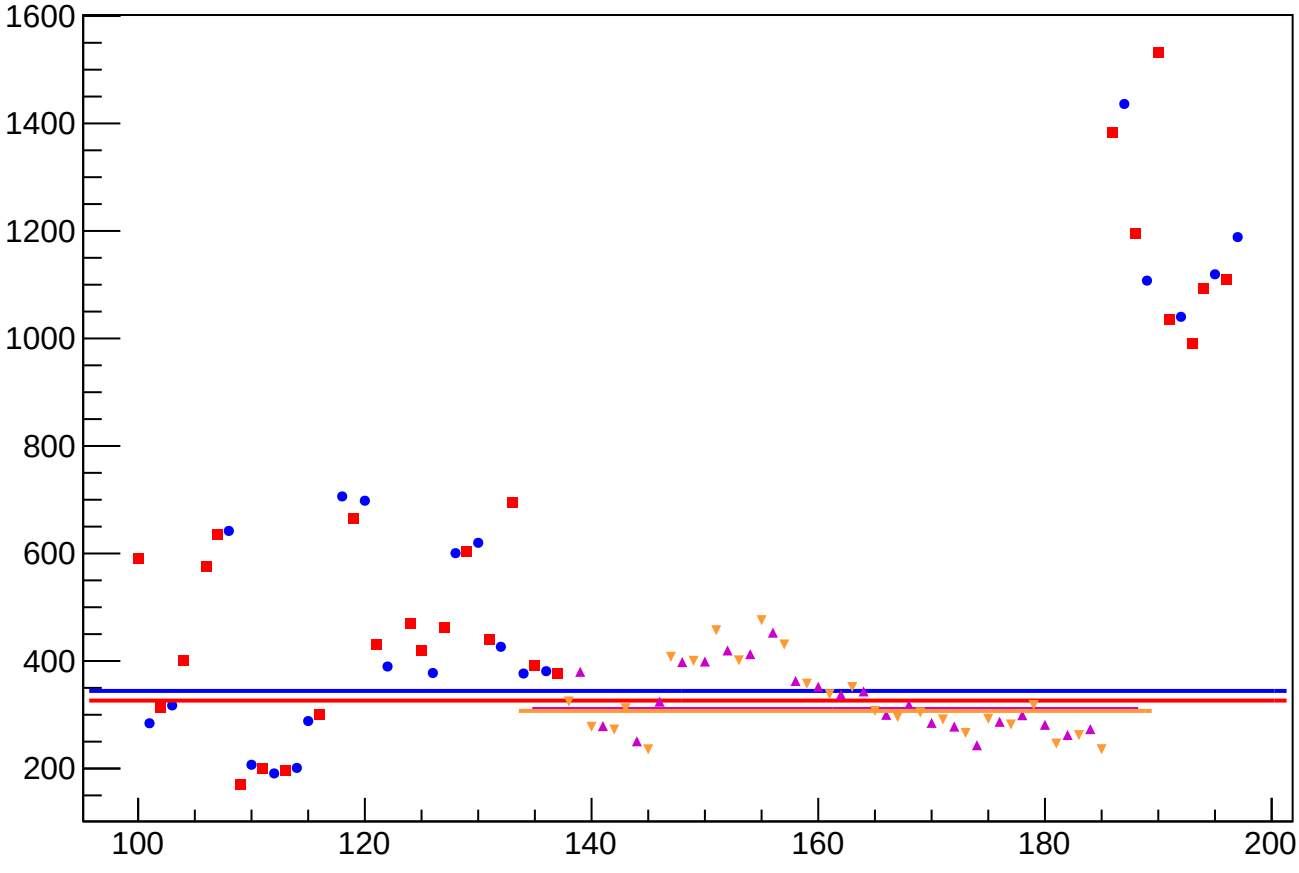
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -232.444+/-61.703 χ^2/NDF: 84.8/45

All: -164.532+/-43.785 χ^2/NDF: 139.2/94

- sign -95.651+/-62.142 χ^2/NDF: 51.9/48

asym_sam7_reg_correction_rms vs Slug



Right In: 344.346+/-0.087 χ^2/NDF: 5510022.5/20

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 326.398+/-0.081 χ^2/NDF: 7428551.5/25

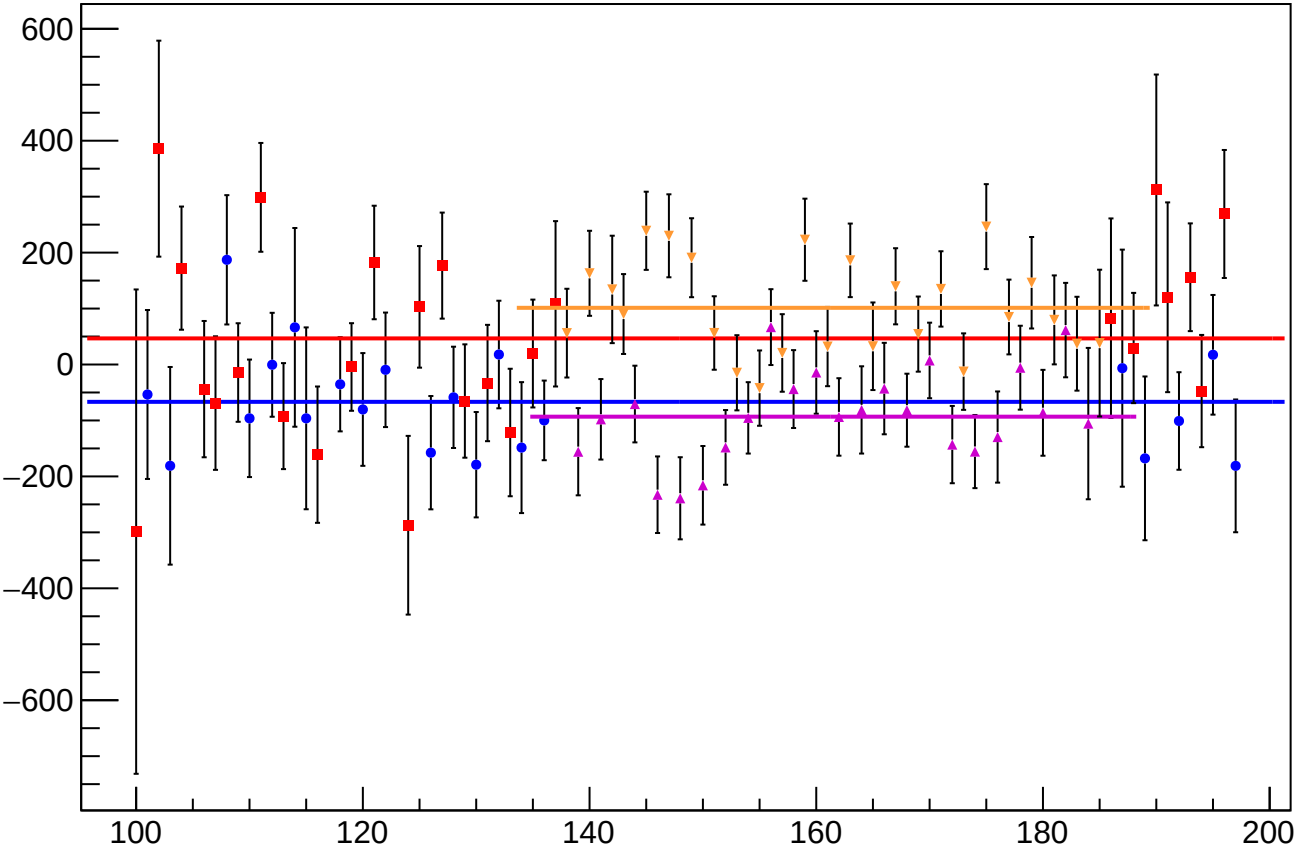
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 316.460+/-0.044 χ^2/NDF: 6966651.0/45

All: 315.873+/-0.031 χ^2/NDF: 15501422.5/94

- sign 315.277+/-0.044 χ^2/NDF: 8534407.1/48

cor_asym_sam7_mean vs Slug



Right In: -66.723+/-23.362 χ^2/NDF: 12.9/20

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 46.660+/-22.042 χ^2/NDF: 39.6/25

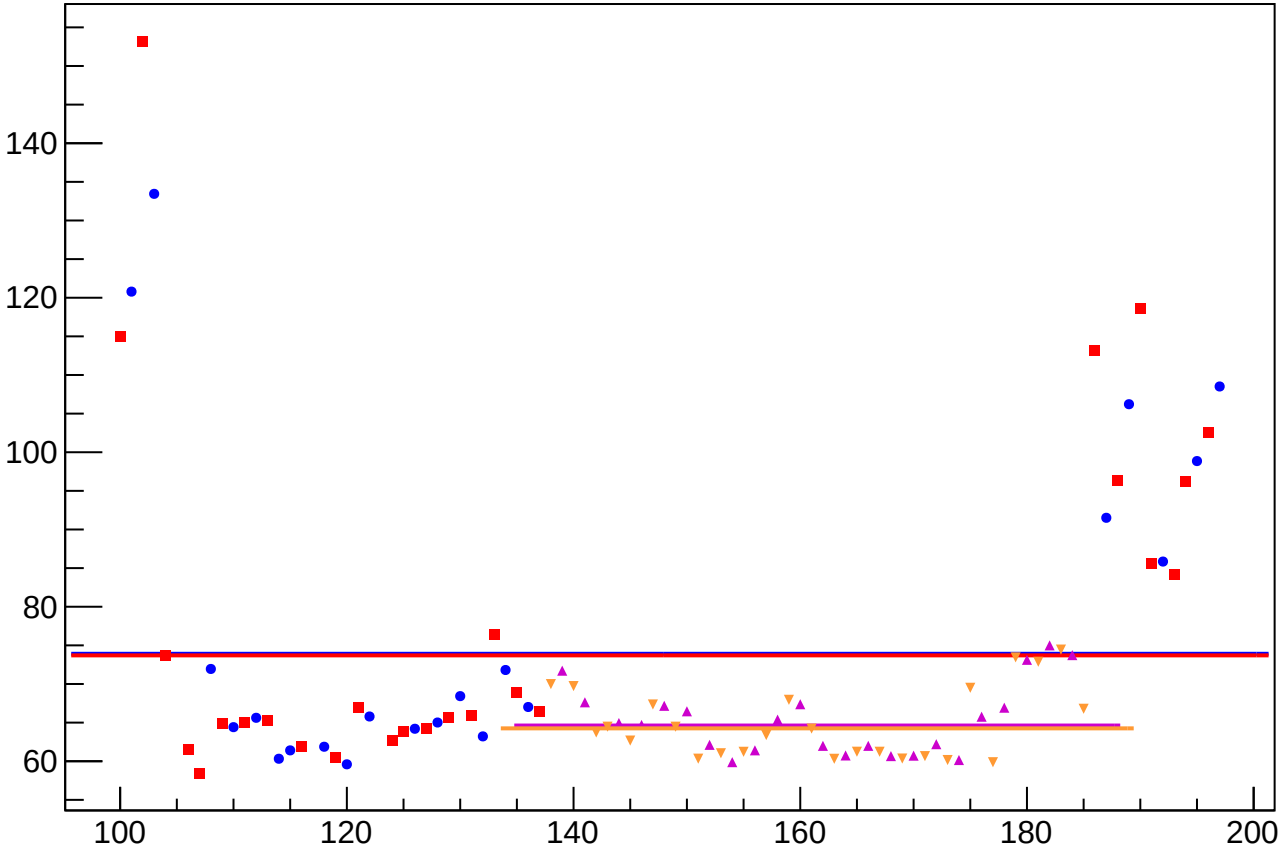
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 53.933+/-12.407 χ^2/NDF: 83.9/45

All: 3.057+/-8.798 χ^2/NDF: 213.6/94

- sign -48.405+/-12.478 χ^2/NDF: 95.8/48

cor_asym_sam7_rms vs Slug



Right In: 73.908+/-0.017 χ^2/NDF: 1086563.9/20

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 73.704+/-0.016 χ^2/NDF: 1186802.0/25

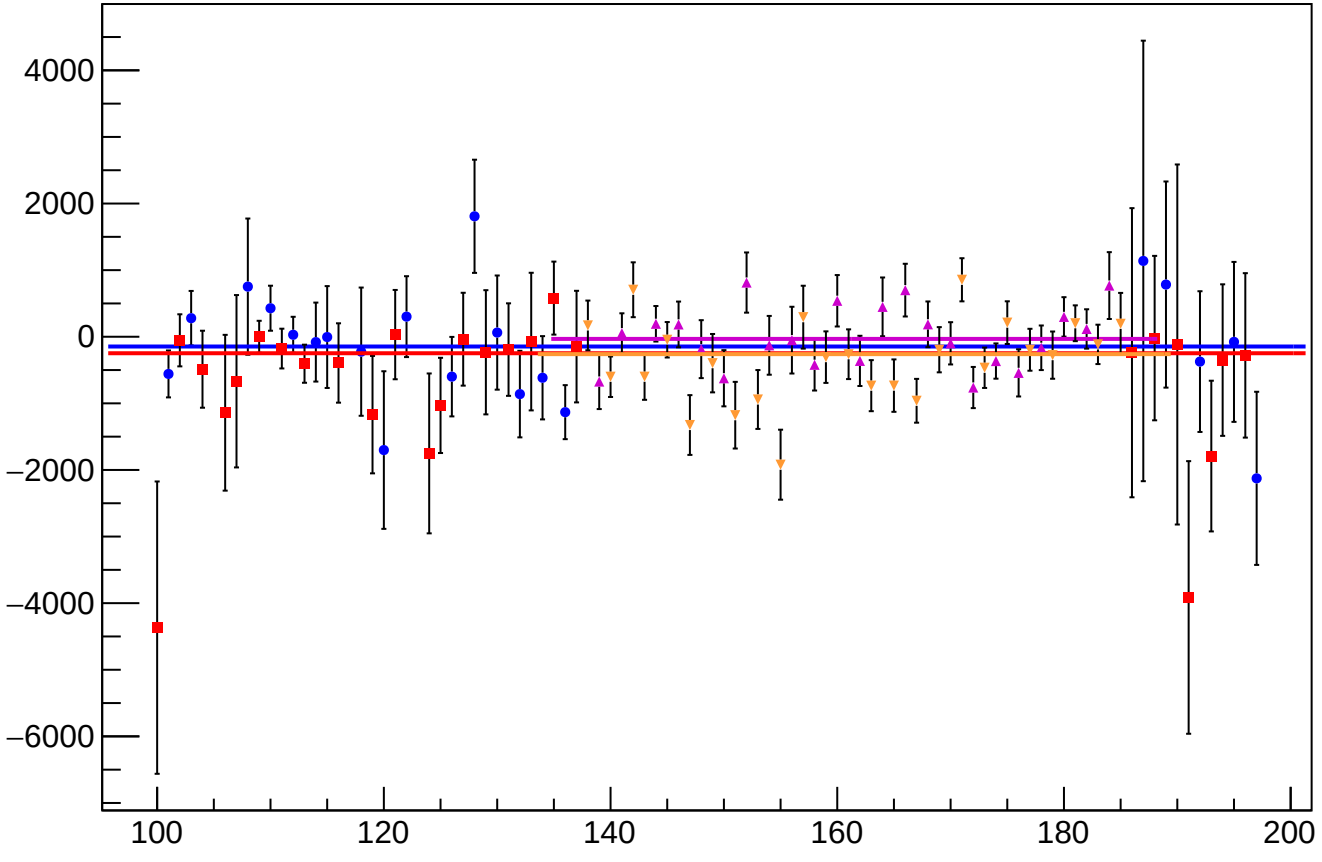
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.978+/-0.009 χ^2/NDF: 1509408.0/45

All: 67.253+/-0.006 χ^2/NDF: 3076187.7/94

- sign 67.532+/-0.009 χ^2/NDF: 1564796.3/48

asym_sam7_cor_correction_mean vs Slug



Right In: -146.594+/-123.302 χ^2/NDF: 25.4/20

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -247.642+/-115.251 χ^2/NDF: 17.7/25

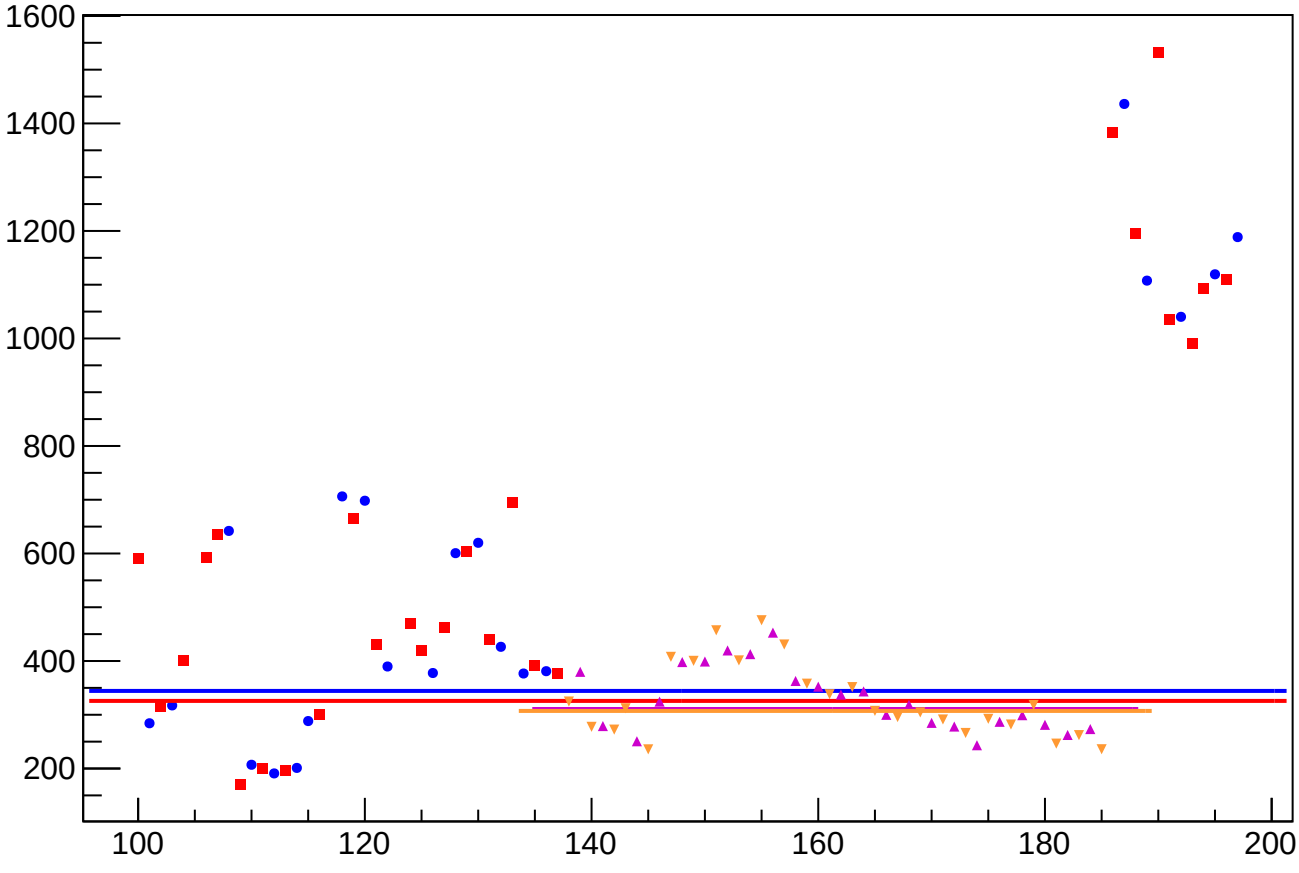
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -232.444+/-61.703 χ^2/NDF: 84.8/45

All: -164.268+/-43.795 χ^2/NDF: 139.2/94

- sign -95.051+/-62.172 χ^2/NDF: 51.9/48

asym_sam7_cor_correction_rms vs Slug



Right In: 344.348+/-0.087 χ^2/NDF: 5510006.7/20

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 325.771+/-0.081 χ^2/NDF: 7411408.5/25

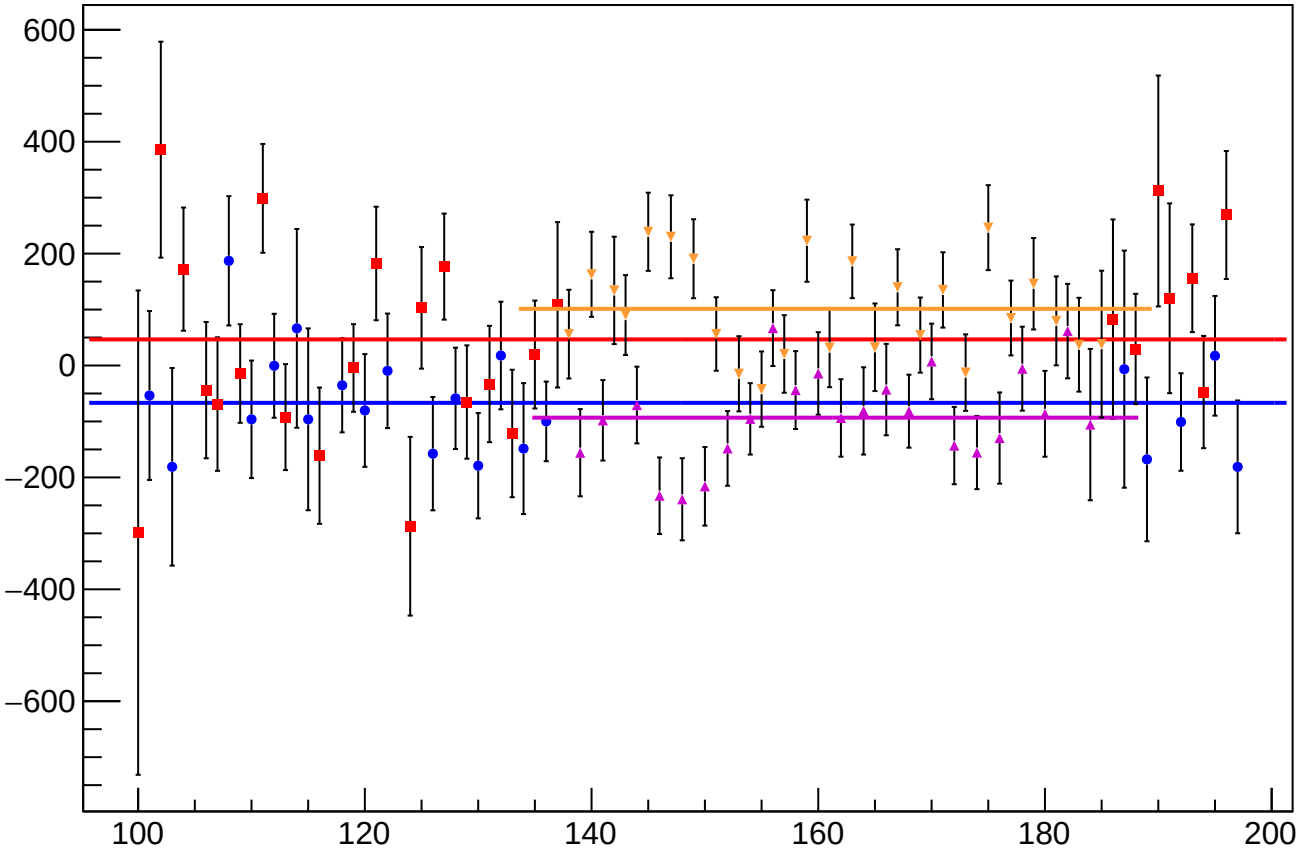
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

\+ sign 316.460+/-0.044 χ^2/NDF: 6966647.5/45

All: 315.777+/-0.031 χ^2/NDF: 15482284.8/94

\- sign 315.084+/-0.044 χ^2/NDF: 8515143.9/48

eigen_cor_asym_sam7_mean vs Slug



Right In: -66.723+/-23.362 χ^2/NDF: 12.9/20

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 46.660+/-22.042 χ^2/NDF: 39.6/25

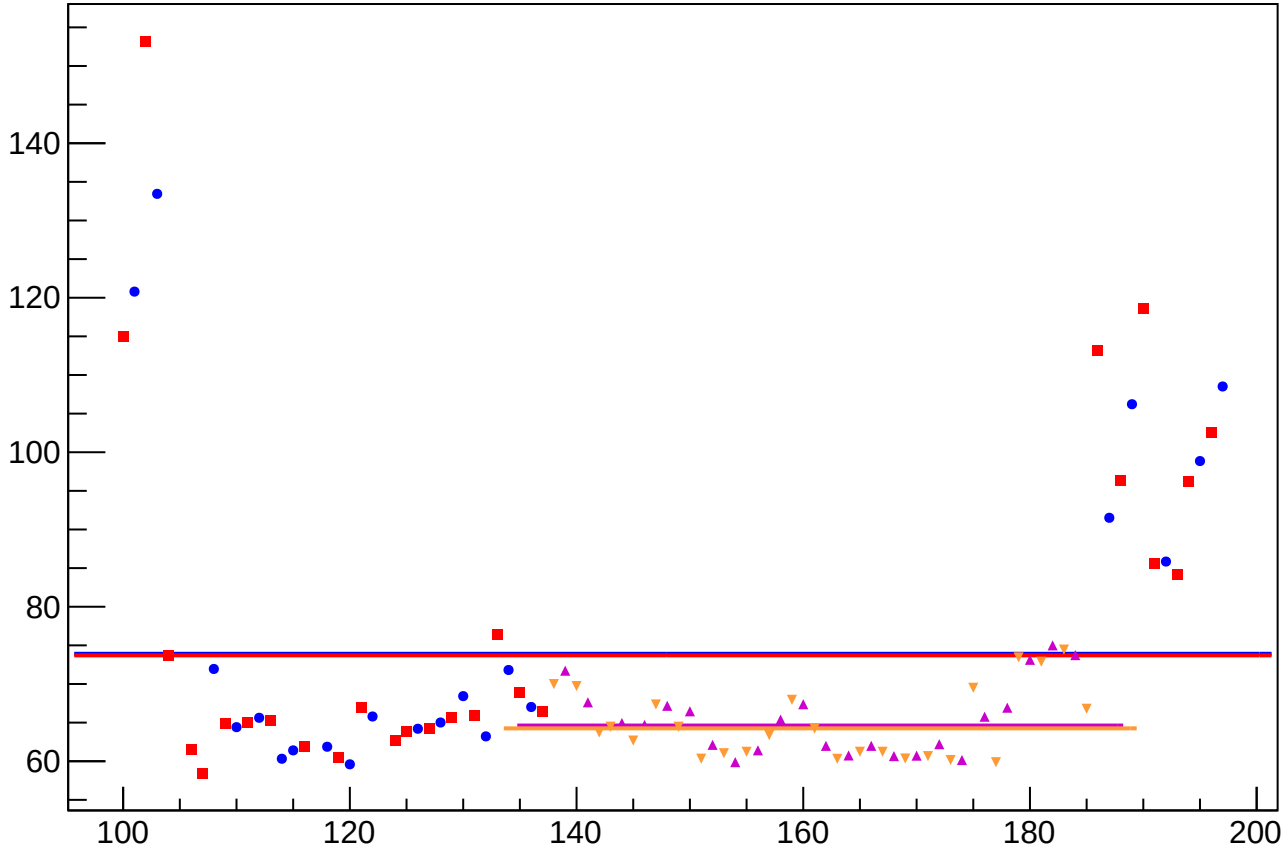
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 53.933+/-12.407 χ^2/NDF: 83.9/45

All: 3.057+/-8.798 χ^2/NDF: 213.6/94

- sign -48.405+/-12.478 χ^2/NDF: 95.8/48

eigen_cor_asym_sam7_rms vs Slug



Right In: 73.908+/-0.017 χ^2/NDF: 1086563.9/20

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

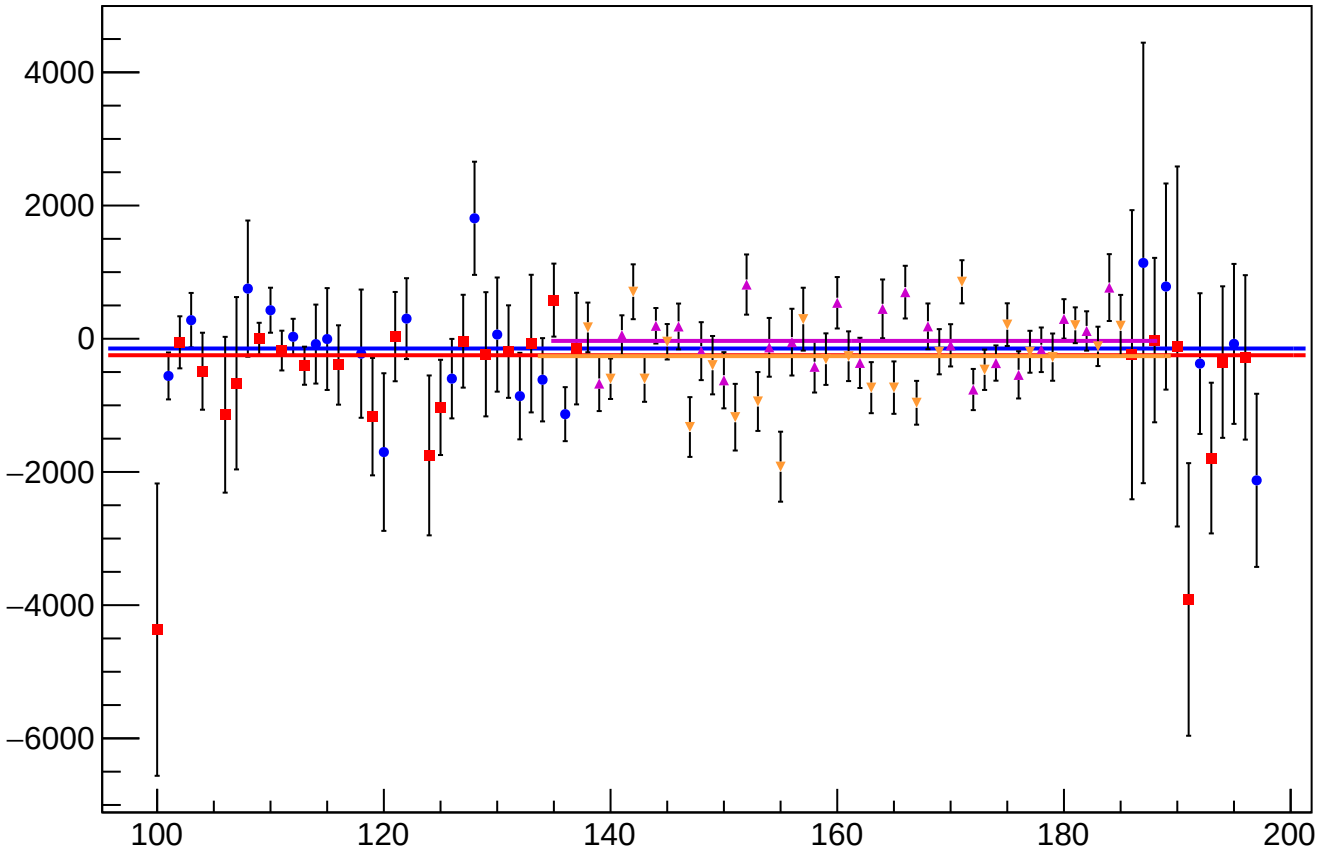
Right Out: 73.704+/-0.016 χ^2/NDF: 1186802.0/25

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.978+/-0.009 χ^2/NDF: 1509408.0/45

All: 67.253+/-0.006 χ^2/NDF: 3076187.7/94

- sign 67.532+/-0.009 χ^2/NDF: 1564796.3/48



Right In: -146.594+/-123.302 χ^2/NDF: 25.4/20

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -247.642+/-115.251 χ^2/NDF: 17.7/25

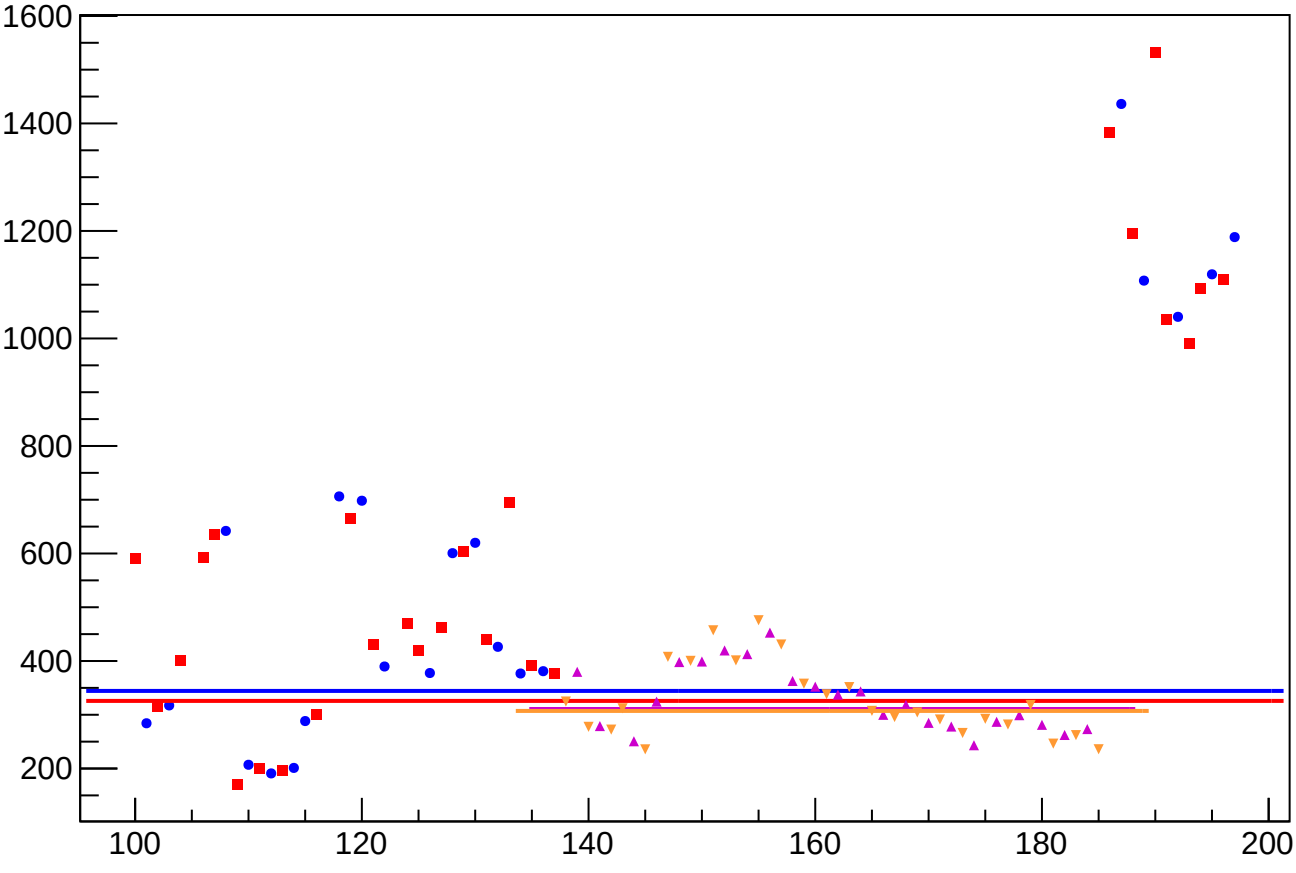
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -232.444+/-61.703 χ^2/NDF: 84.8/45

All: -164.268+/-43.795 χ^2/NDF: 139.2/94

- sign -95.051+/-62.172 χ^2/NDF: 51.9/48

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 344.348+/-0.087 χ^2/NDF: 5510006.7/20

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 325.771+/-0.081 χ^2/NDF: 7411408.5/25

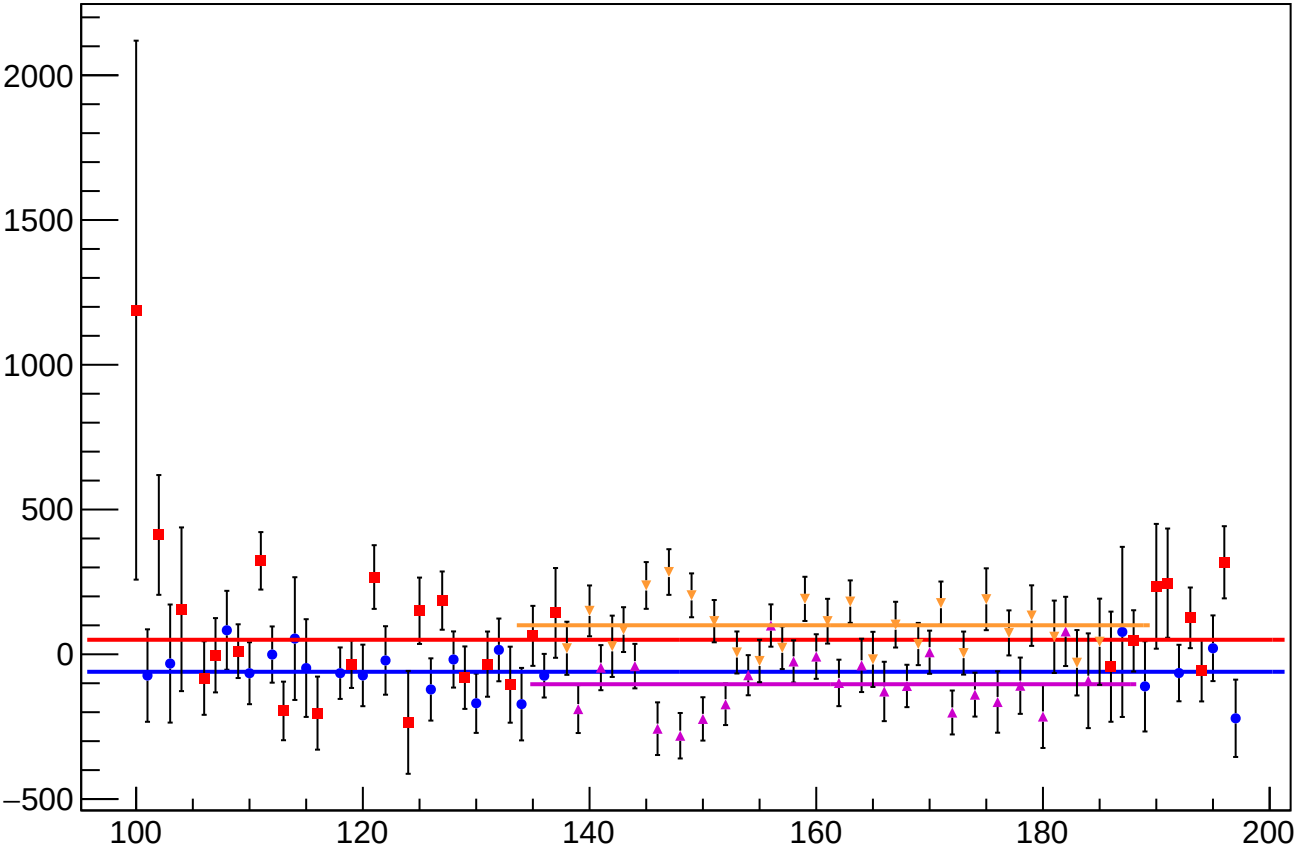
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

\+ sign 316.460+/-0.044 χ^2/NDF: 6966647.5/45

All: 315.777+/-0.031 χ^2/NDF: 15482284.8/94

\- sign 315.084+/-0.044 χ^2/NDF: 8515143.9/48

dit_asym_sam7_mean vs Slug



Right In: -60.399+/-25.325 χ^2/NDF: 7.2/20

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 50.168+/-23.965 χ^2/NDF: 45.6/25

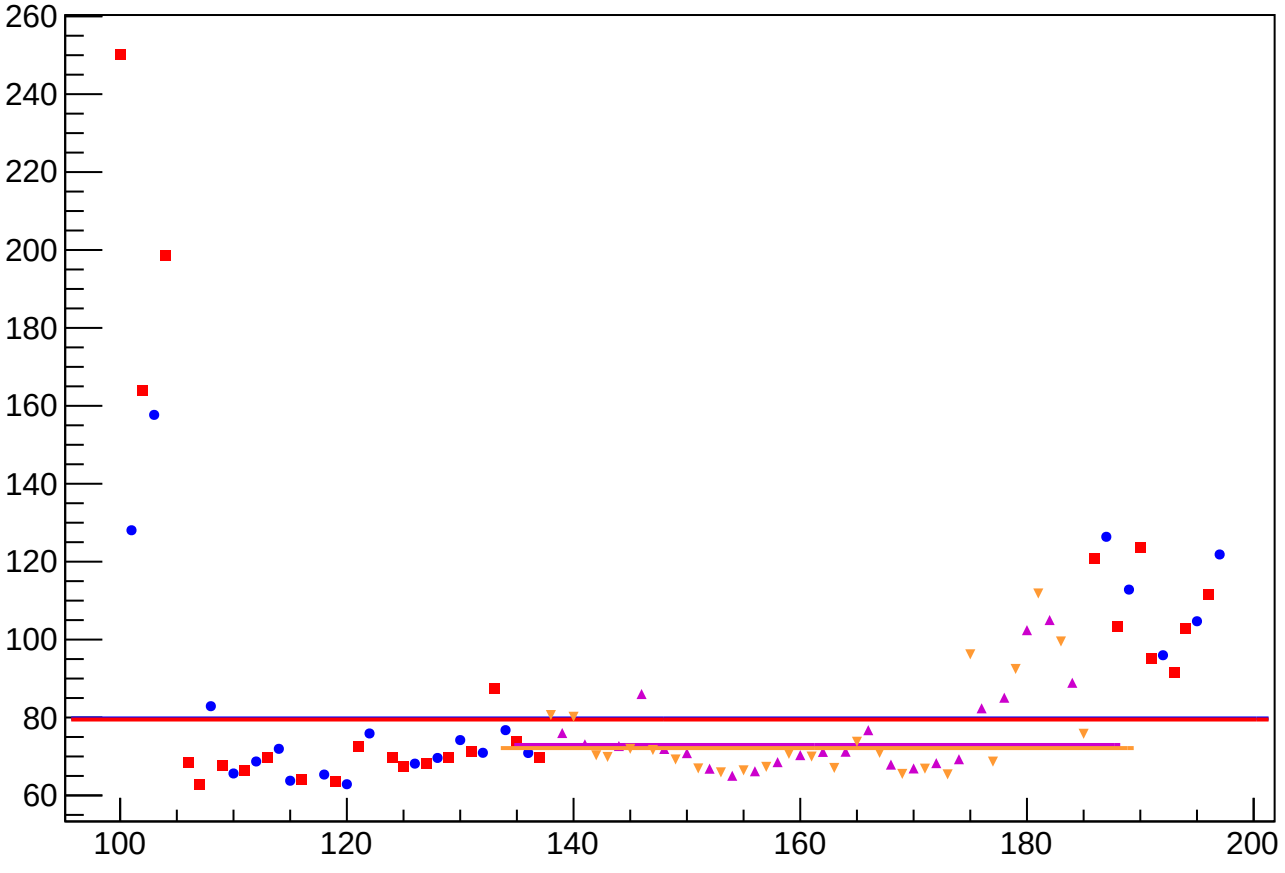
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 51.886+/-13.898 χ^2/NDF: 63.0/45

All: 0.879+/-9.865 χ^2/NDF: 195.5/94

- sign -50.924+/-14.006 χ^2/NDF: 105.4/48

dit_asym_sam7_rms vs Slug



Right In: 79.756+/-0.018 χ^2/NDF: 1246674.5/20

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 79.483+/-0.017 χ^2/NDF: 1653786.3/25

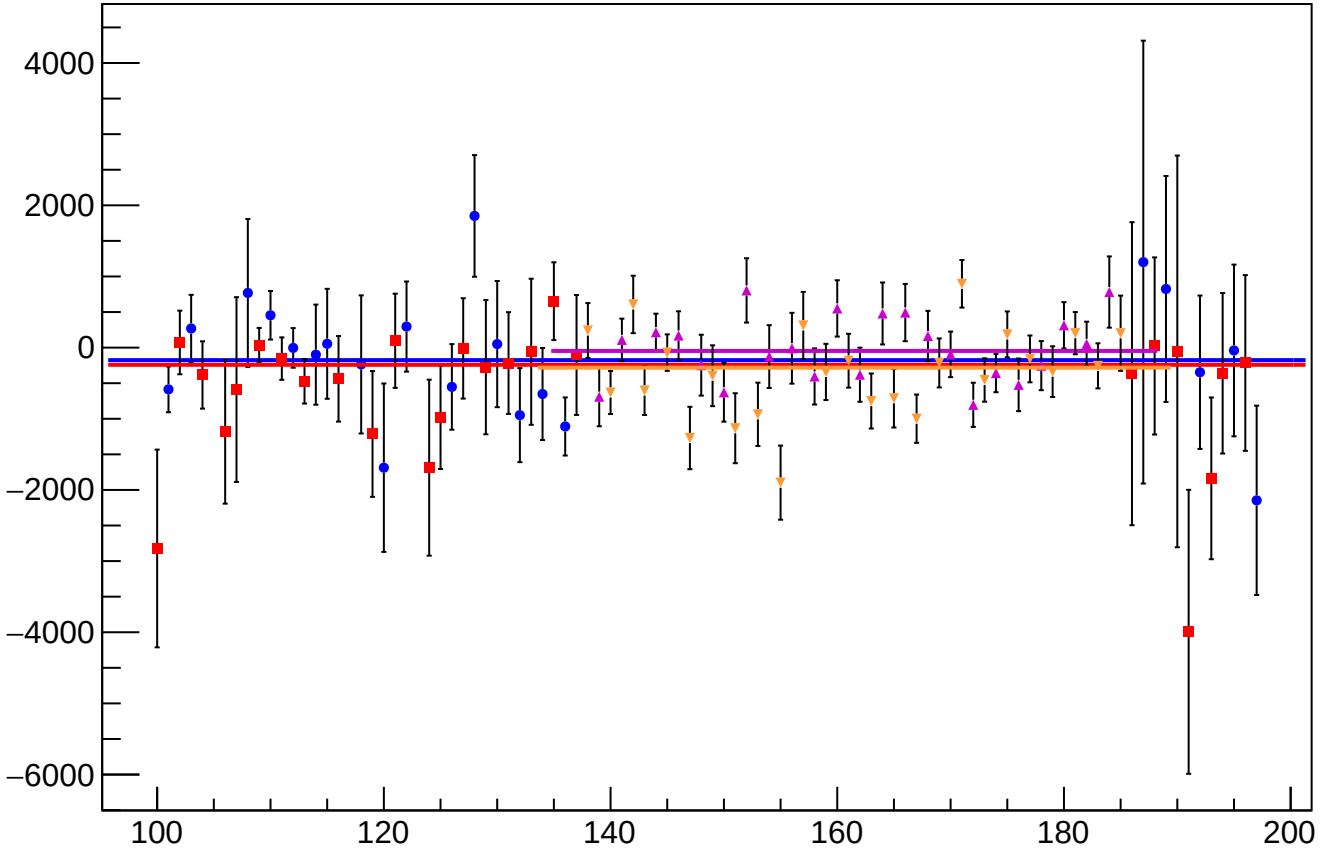
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 74.440+/-0.010 χ^2/NDF: 2014724.6/45

All: 74.807+/-0.007 χ^2/NDF: 4278279.4/94

- sign 75.180+/-0.010 χ^2/NDF: 2260742.1/48

asym_sam7_dit_correction_mean vs Slug



Right In: -175.843+/-125.756 χ^2/NDF: 25.5/20

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -241.448+/-117.227 χ^2/NDF: 19.2/25

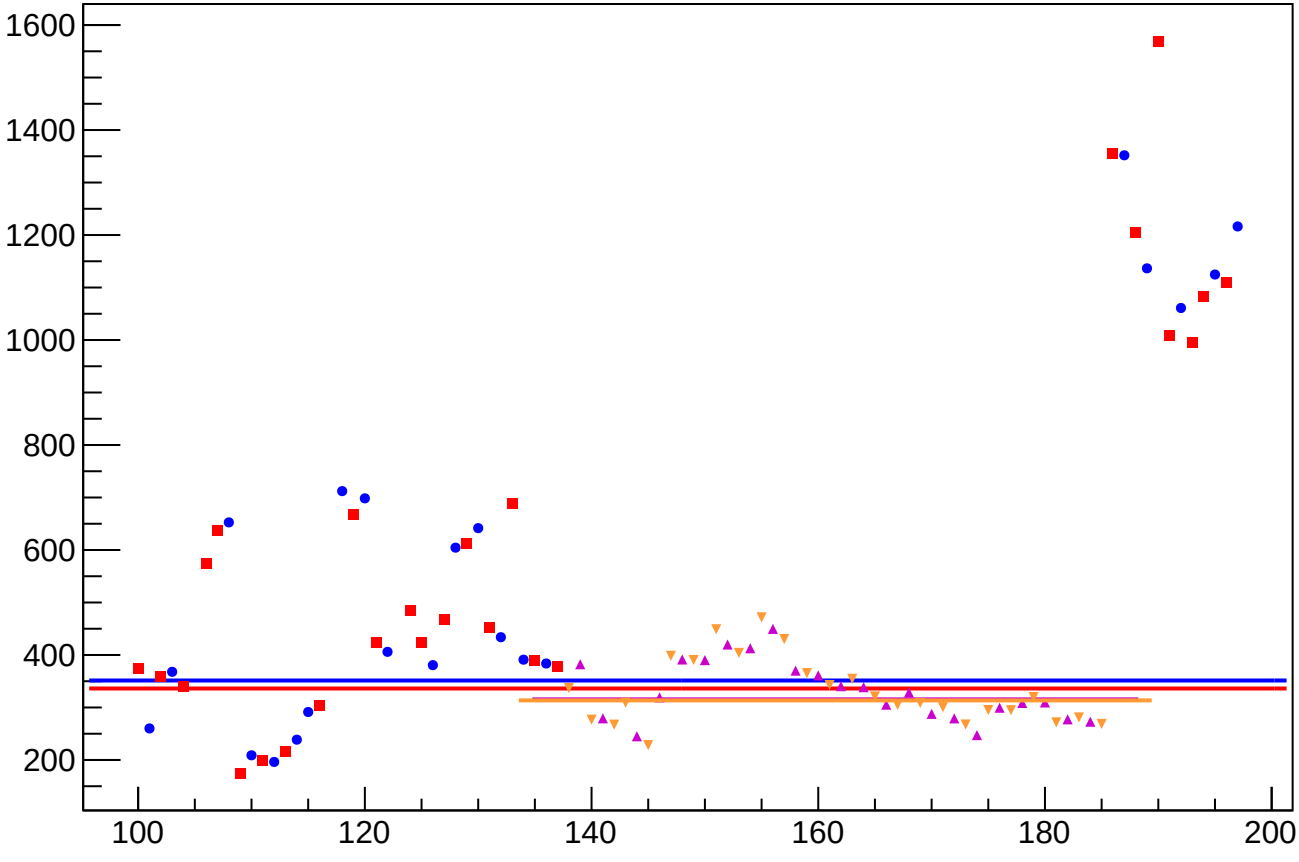
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -254.901+/-62.834 χ^2/NDF: 82.8/45

All: -179.319+/-44.529 χ^2/NDF: 137.7/94

- sign -103.060+/-63.115 χ^2/NDF: 52.0/48

asym_sam7_dit_correction_rms vs Slug



Right In: 351.413+/-0.089 χ^2/NDF: 5504469.2/20

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 336.168+/-0.083 χ^2/NDF: 7151520.0/25

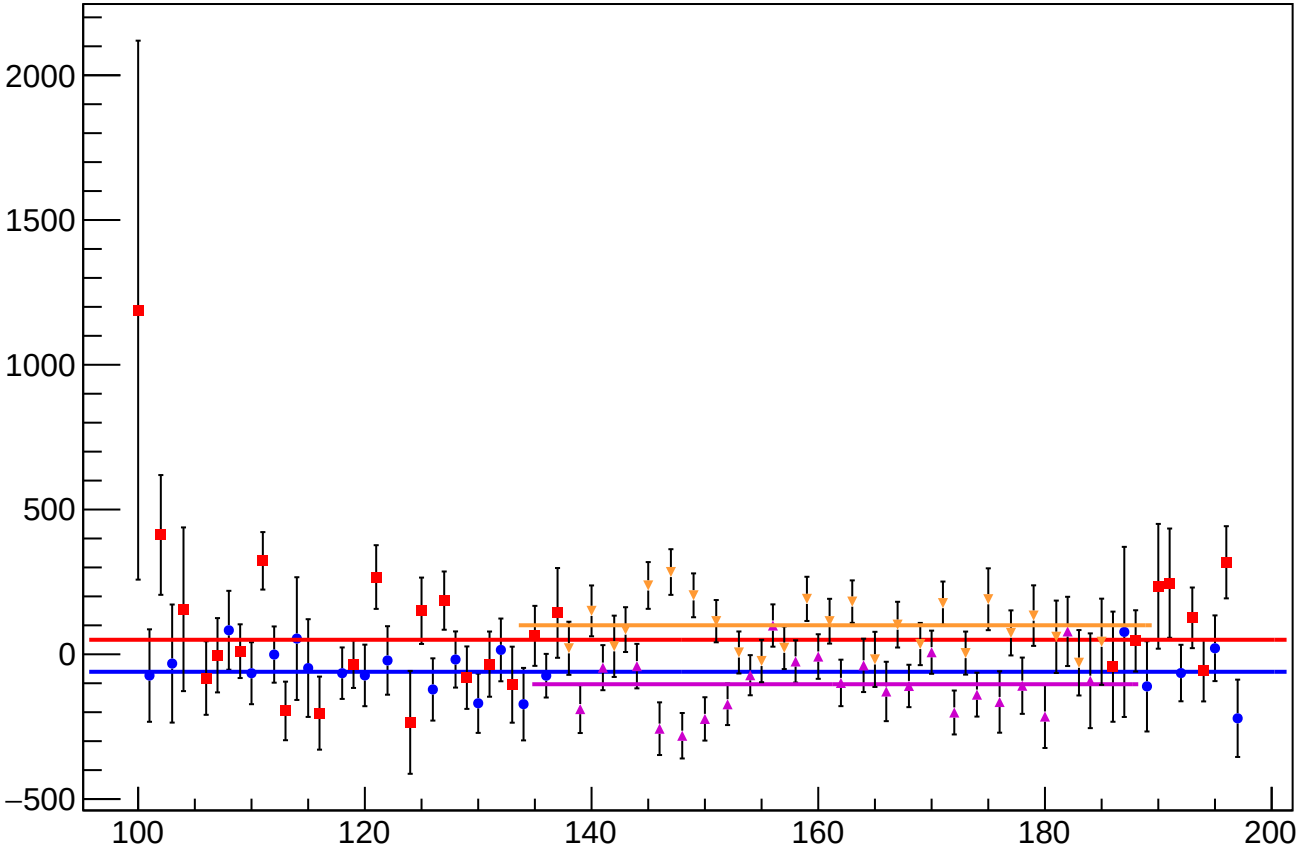
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 322.965+/-0.044 χ^2/NDF: 6816396.4/45

All: 322.216+/-0.031 χ^2/NDF: 15021351.3/94

- sign 321.459+/-0.045 χ^2/NDF: 8204383.3/48

eigen_dit_asym_sam7_mean vs Slug



Right In: -60.398+/-25.325 χ^2/NDF: 7.2/20

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 50.169+/-23.965 χ^2/NDF: 45.6/25

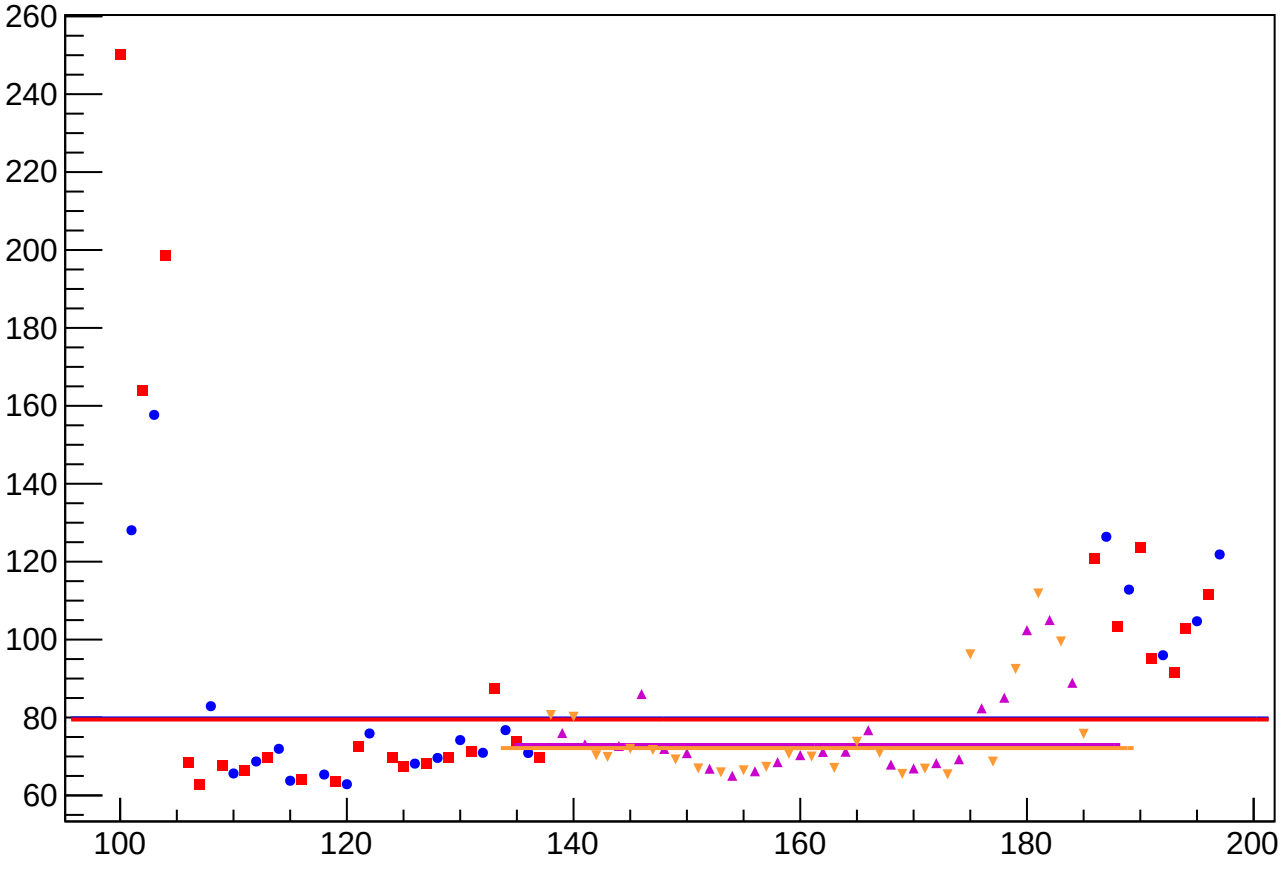
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 51.886+/-13.898 χ^2/NDF: 63.0/45

All: 0.879+/-9.865 χ^2/NDF: 195.5/94

- sign -50.923+/-14.006 χ^2/NDF: 105.4/48

eigen_dit_asym_sam7_rms vs Slug



Right In: 79.756+/-0.018 χ^2/NDF: 1246680.2/20

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

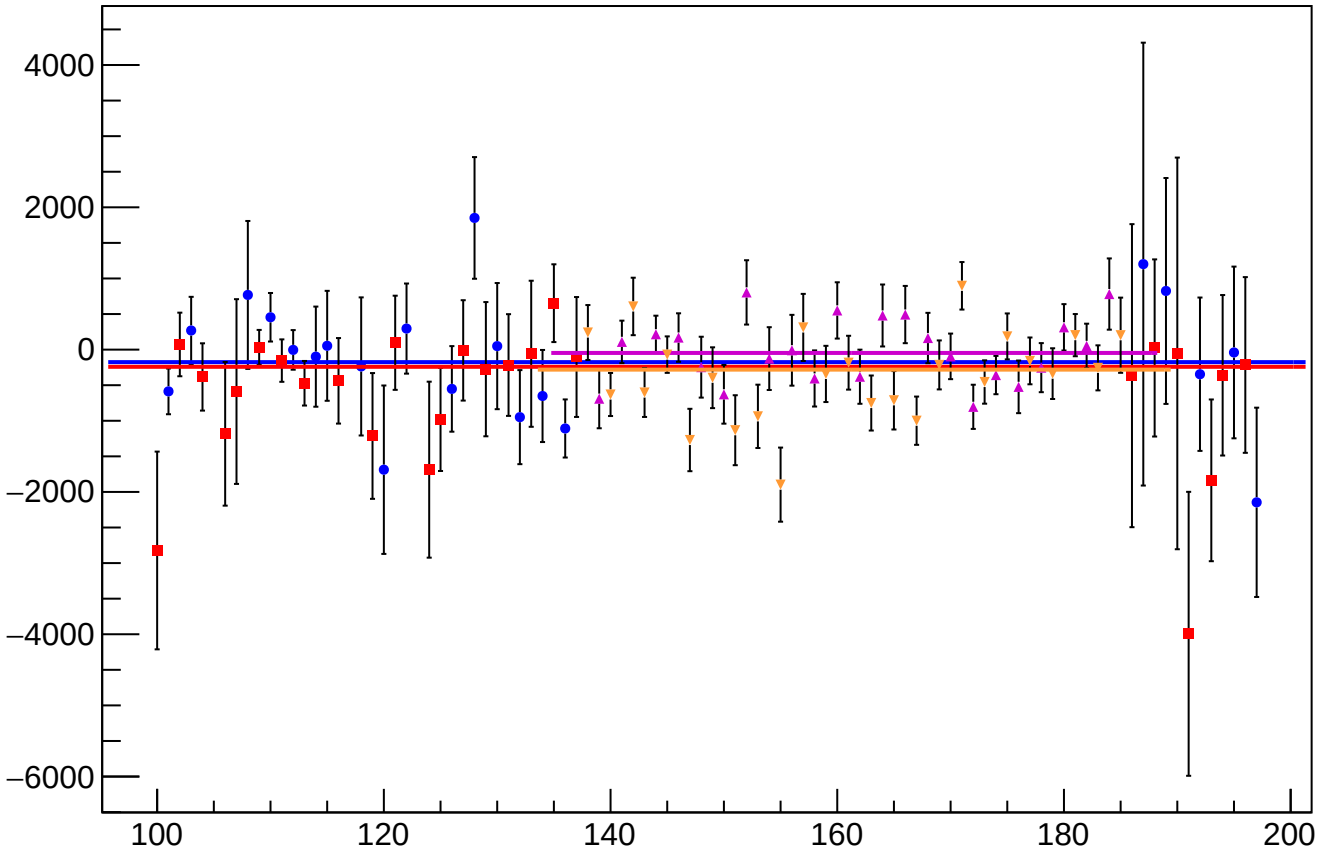
Right Out: 79.483+/-0.017 χ^2/NDF: 1653783.1/25

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 74.440+/-0.010 χ^2/NDF: 2014723.1/45

All: 74.807+/-0.007 χ^2/NDF: 4278271.0/94

- sign 75.180+/-0.010 χ^2/NDF: 2260735.2/48



Right In: -175.841+/-125.755 χ^2/NDF: 25.5/20

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -241.446+/-117.226 χ^2/NDF: 19.2/25

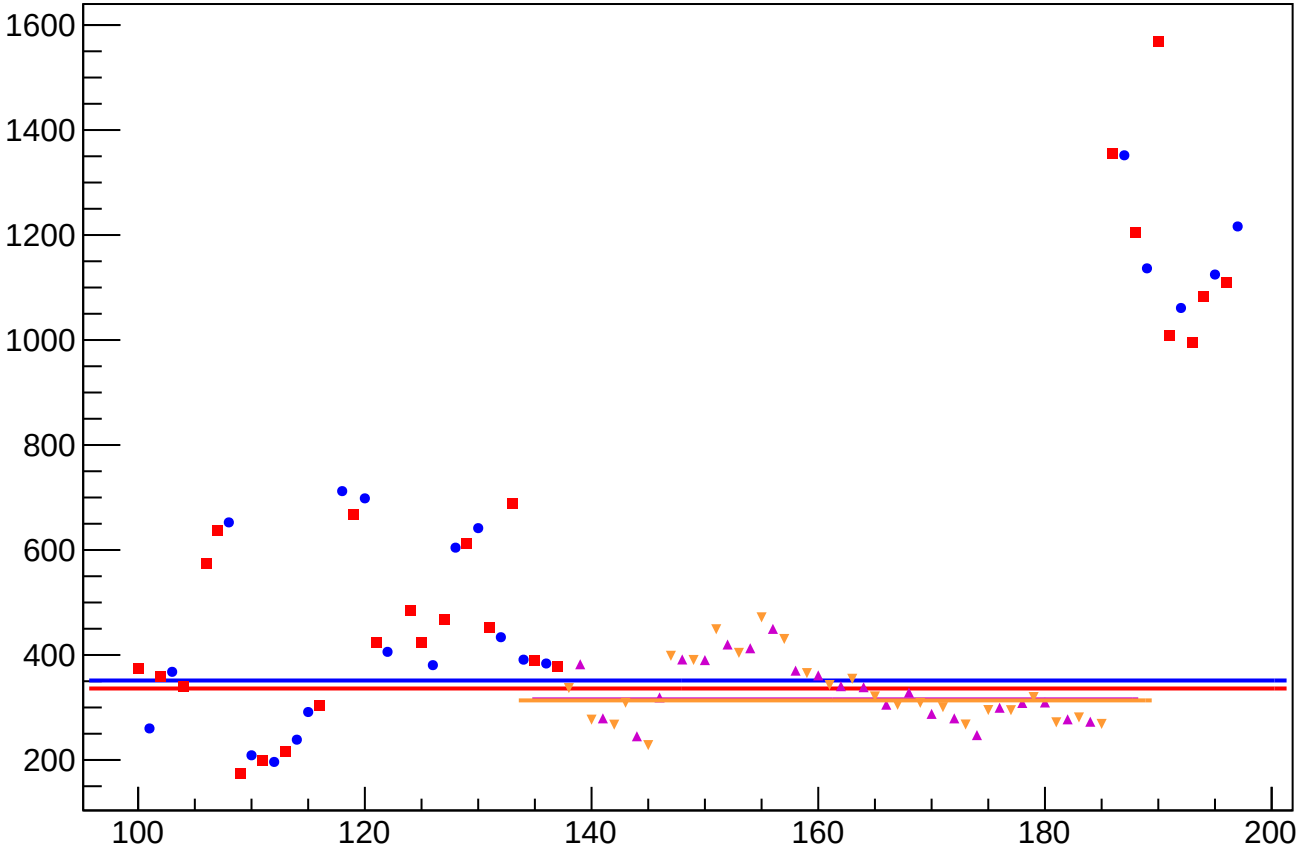
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -254.900+/-62.834 χ^2/NDF: 82.8/45

All: -179.318+/-44.529 χ^2/NDF: 137.7/94

- sign -103.059+/-63.115 χ^2/NDF: 52.0/48

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 351.410+/-0.089 χ^2/NDF: 5504522.3/20

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 336.167+/-0.083 χ^2/NDF: 7151547.8/25

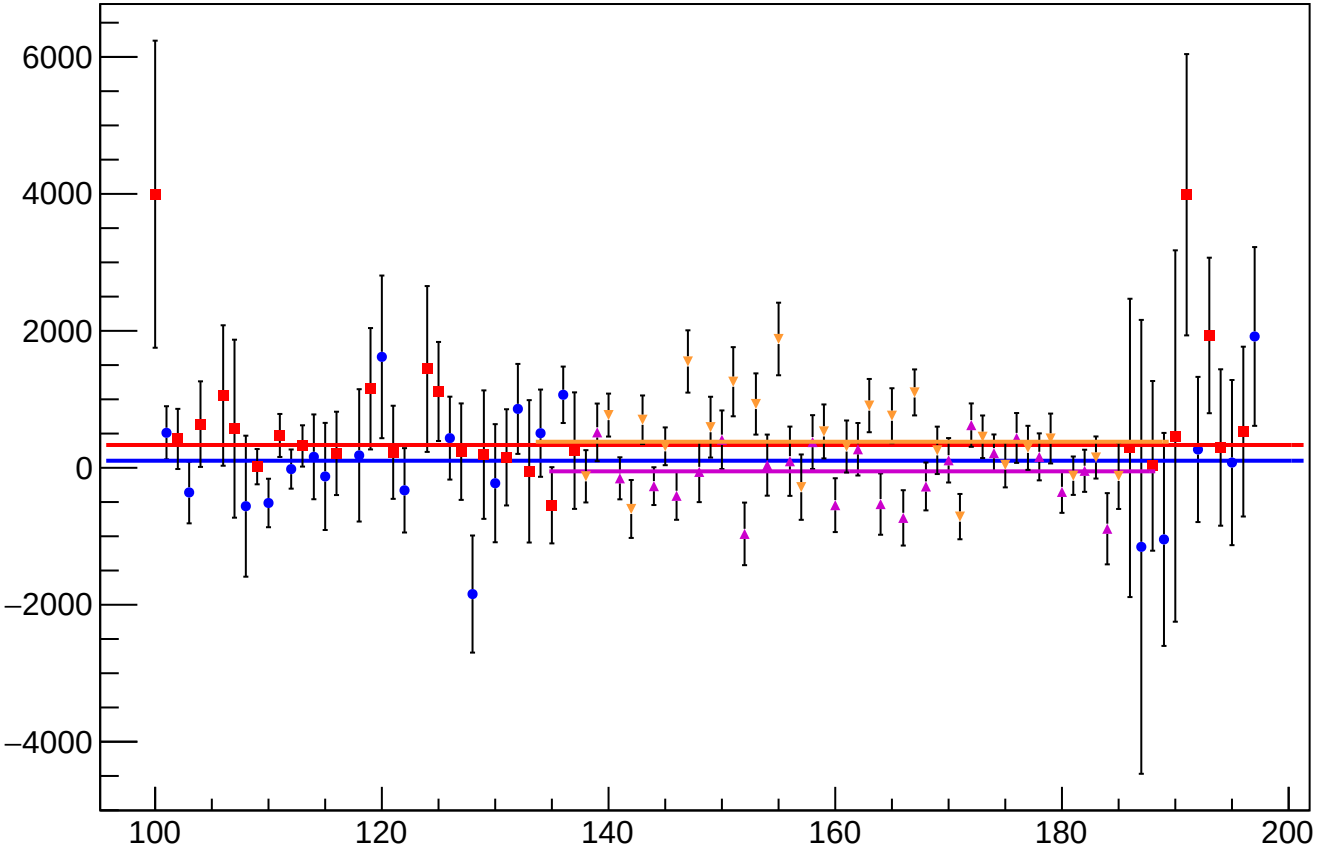
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 322.965+/-0.044 χ^2/NDF: 6816436.1/45

All: 322.215+/-0.031 χ^2/NDF: 15021409.0/94

- sign 321.459+/-0.045 χ^2/NDF: 8204401.5/48

asym_sam7_mean vs Slug



Right In: 103.301+/-128.966 χ^2/NDF: 23.5/20

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 333.226+/-120.779 χ^2/NDF: 16.1/25

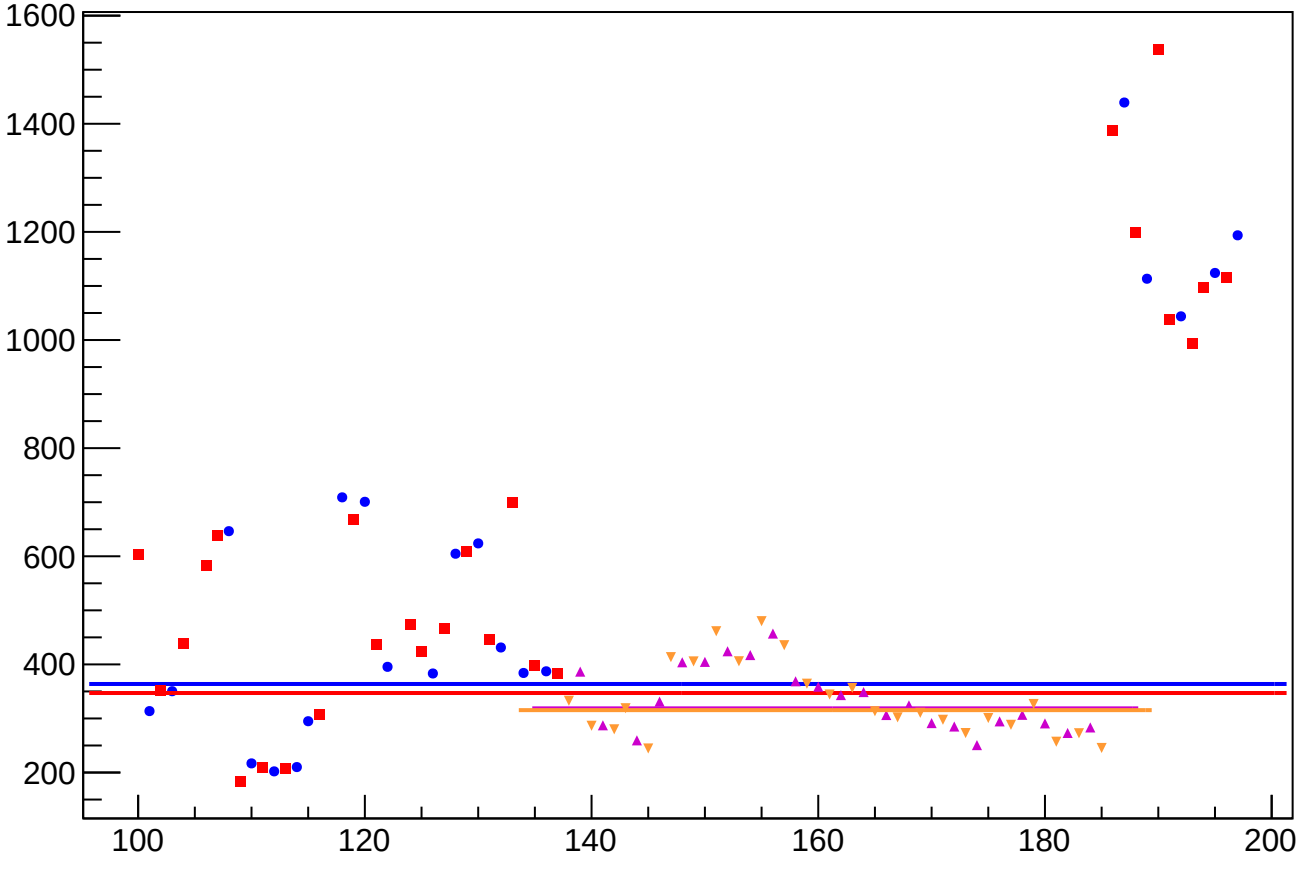
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 313.251+/-63.566 χ^2/NDF: 82.4/45

All: 186.137+/-45.135 χ^2/NDF: 142.1/94

- sign 56.881+/-64.099 χ^2/NDF: 51.6/48

asym_sam7_rms vs Slug



Right In: 363.775+/-0.091 χ^2/NDF: 5203064.7/20

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

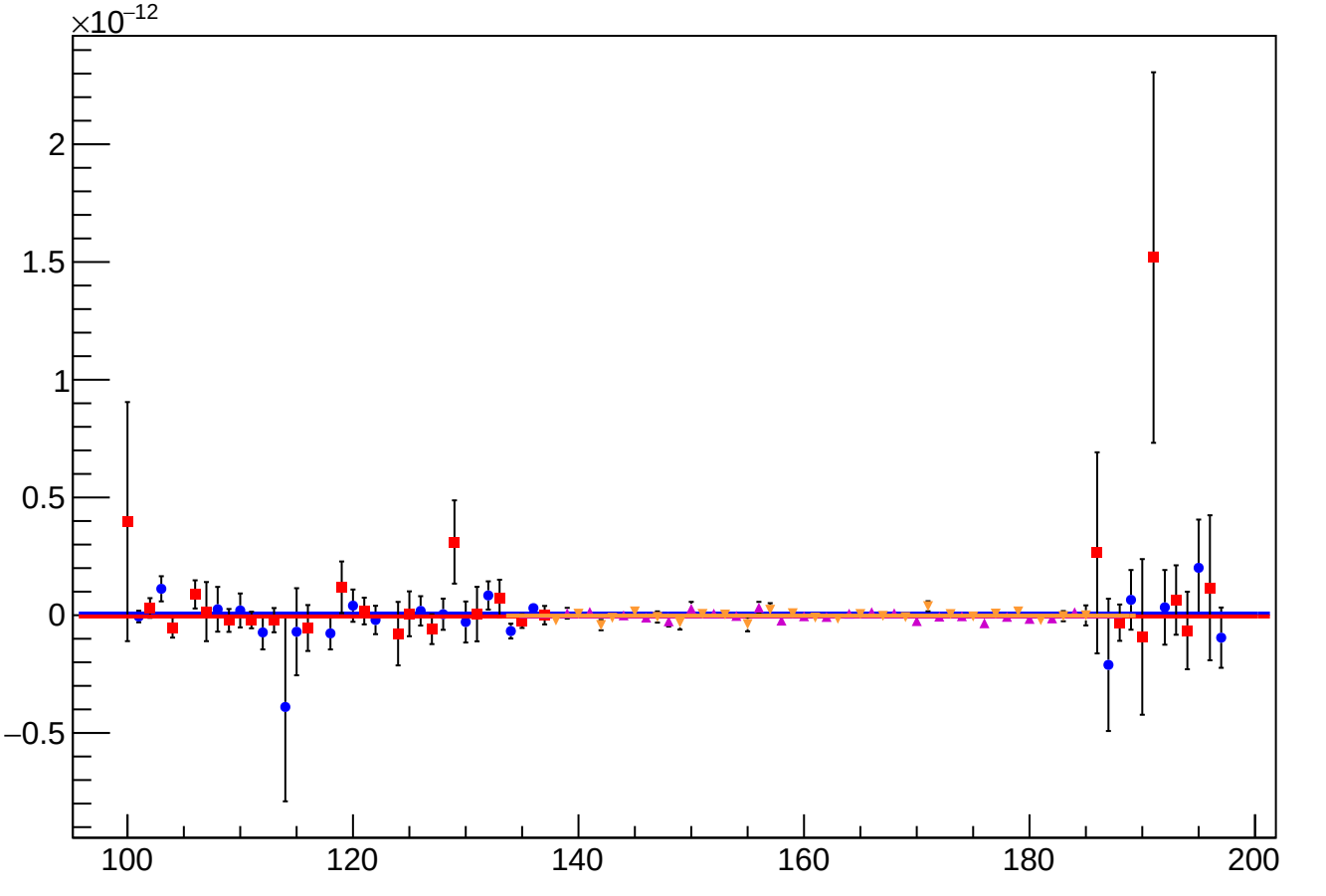
Right Out: 347.083+/-0.085 χ^2/NDF: 7040653.5/25

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 327.149+/-0.045 χ^2/NDF: 6626240.3/45

All: 326.919+/-0.032 χ^2/NDF: 14737955.9/94

- sign 326.686+/-0.045 χ^2/NDF: 8111663.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

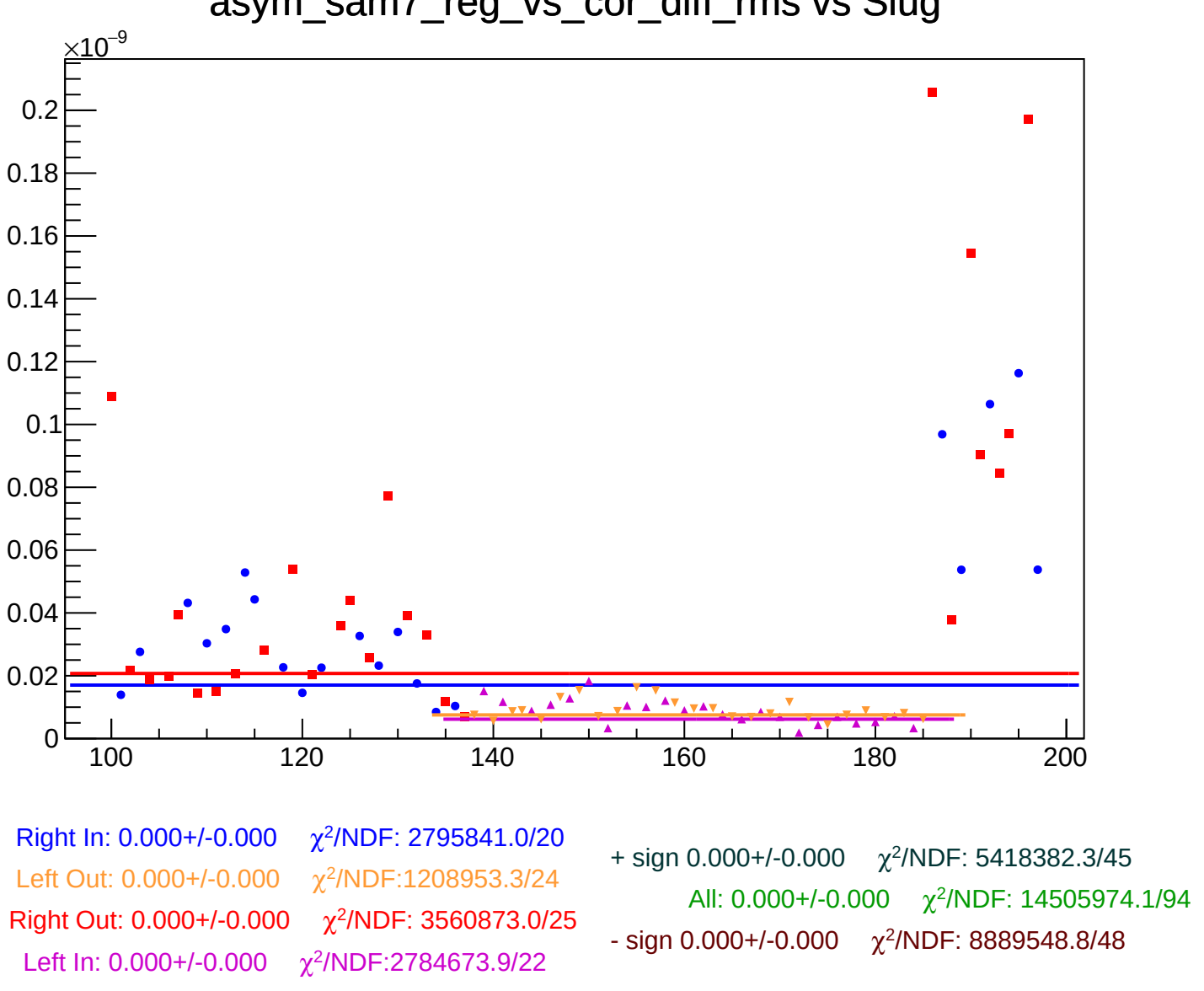
Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/25

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

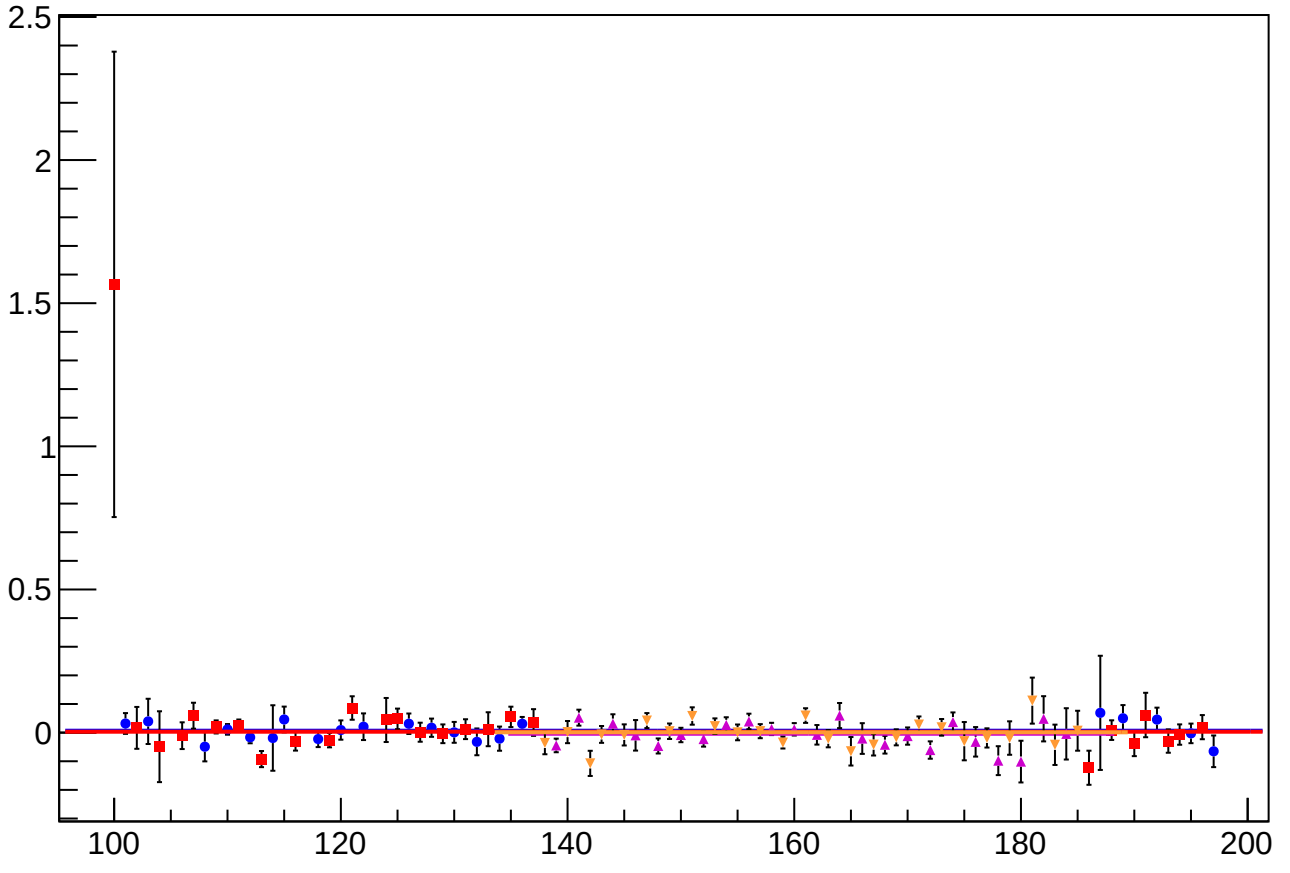
+ sign -0.000+/-0.000 χ^2/NDF: 39.7/45

All: -0.000+/-0.000 χ^2/NDF: 75.7/94

- sign -0.000+/-0.000 χ^2/NDF: 35.3/48


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: 2795841.0/20
Left Out: 0.000+/-0.000 χ²/NDF:1208953.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 3560873.0/25
Left In: 0.000+/-0.000 χ²/NDF:2784673.9/22
+ sign 0.000+/-0.000 χ²/NDF: 5418382.3/45
All: 0.000+/-0.000 χ²/NDF: 14505974.1/94
- sign 0.000+/-0.000 χ²/NDF: 8889548.8/48

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.008 χ^2/NDF: 11.5/20

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.003+/-0.007 χ^2/NDF: 37.0/25

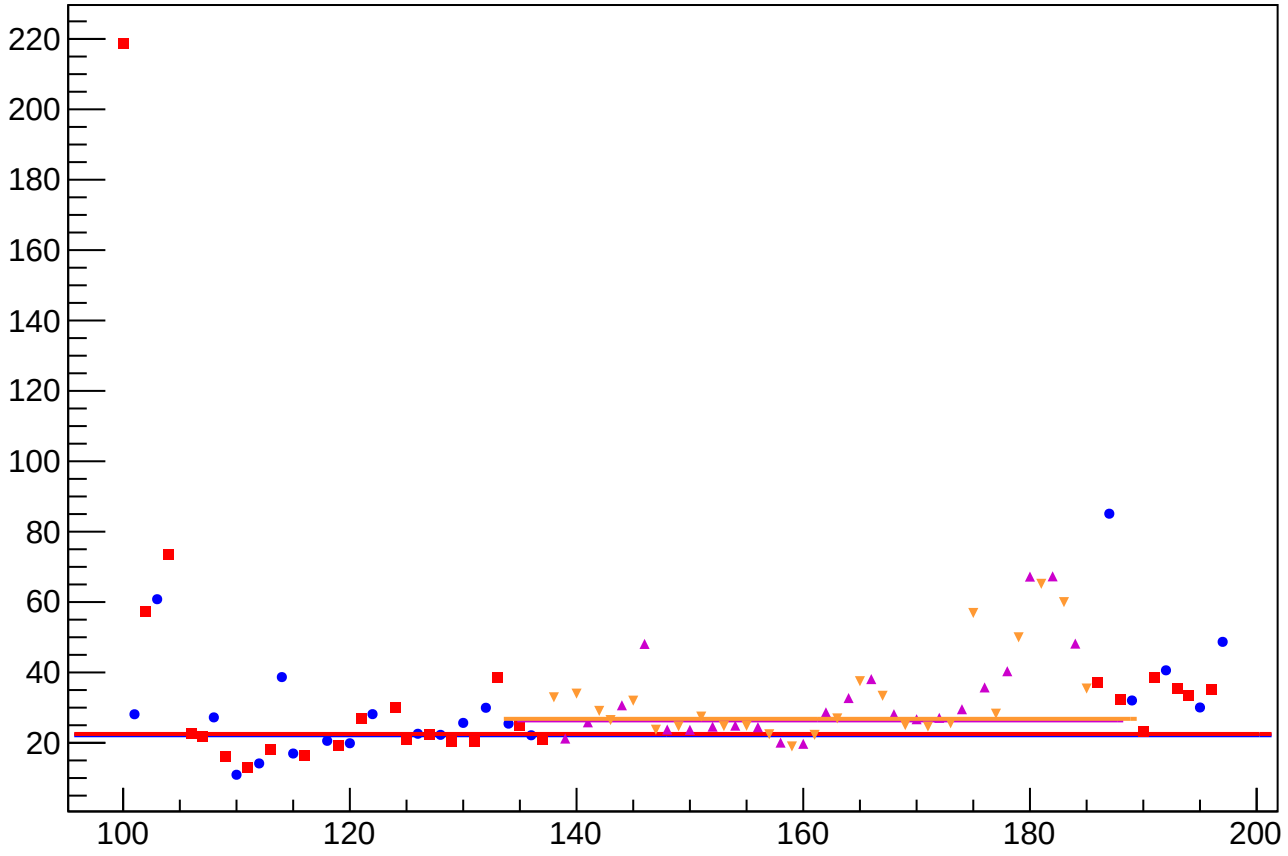
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 42.1/45

All: 0.001+/-0.003 χ^2/NDF: 111.1/94

- sign -0.001+/-0.005 χ^2/NDF: 68.6/48

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 22.153+/-0.005 χ^2/NDF: 3030120.7/20

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.523+/-0.005 χ^2/NDF: 2856705.7/25

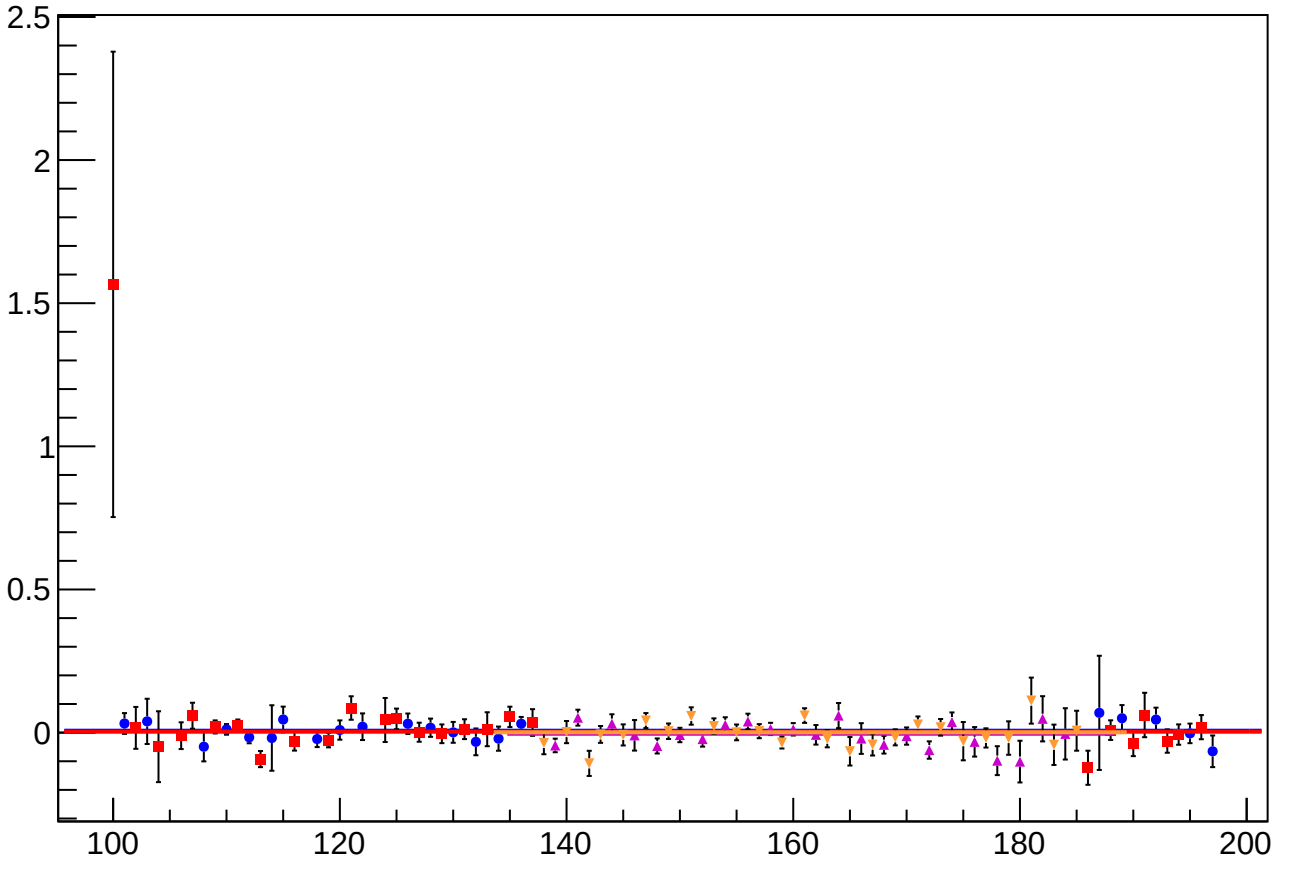
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.855+/-0.003 χ^2/NDF: 5934775.5/45

All: 24.740+/-0.002 χ^2/NDF: 11669028.4/94

- sign 24.628+/-0.003 χ^2/NDF: 5732106.6/48

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.008 χ^2/NDF: 11.5/20

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.003+/-0.007 χ^2/NDF: 37.0/25

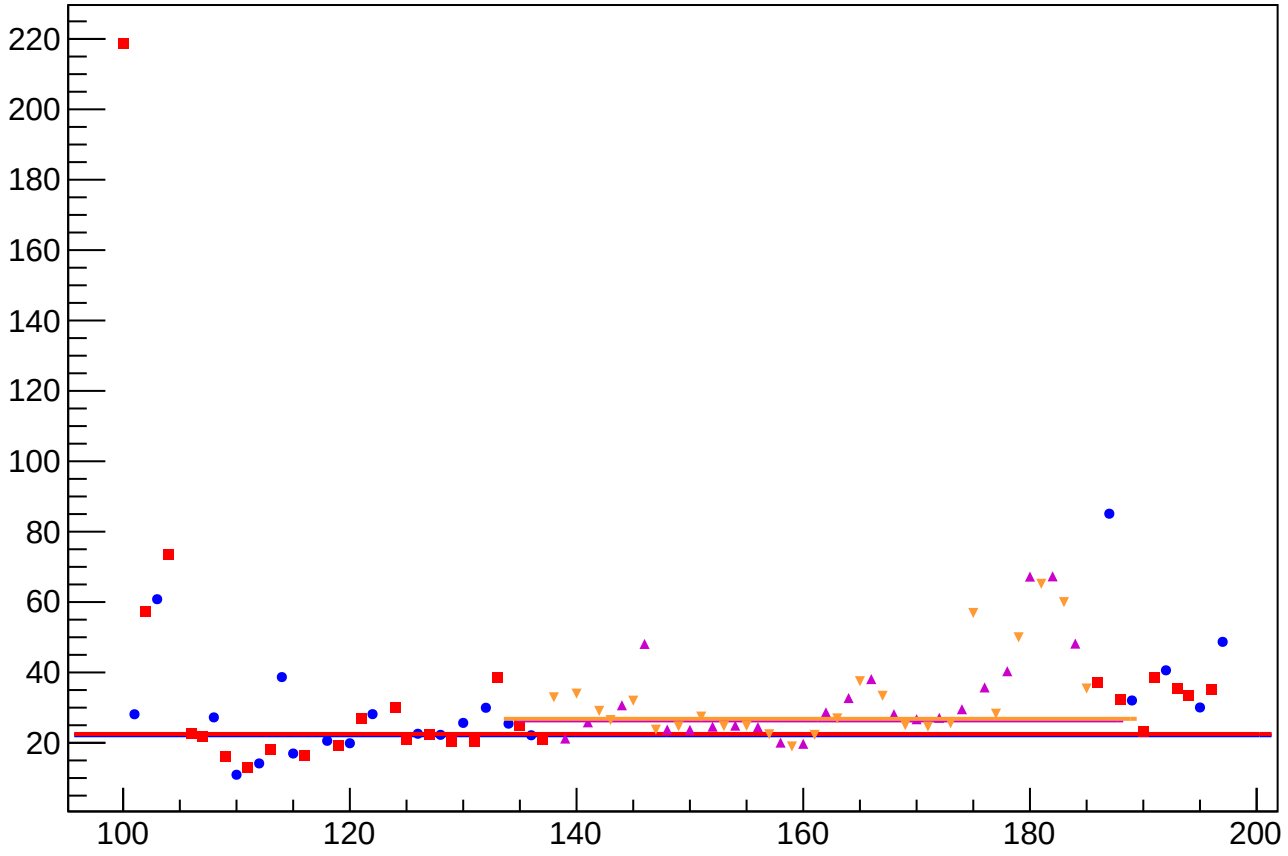
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 42.1/45

All: 0.001+/-0.003 χ^2/NDF: 111.1/94

- sign -0.001+/-0.005 χ^2/NDF: 68.6/48

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.153+/-0.005 χ^2/NDF: 3030120.7/20

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

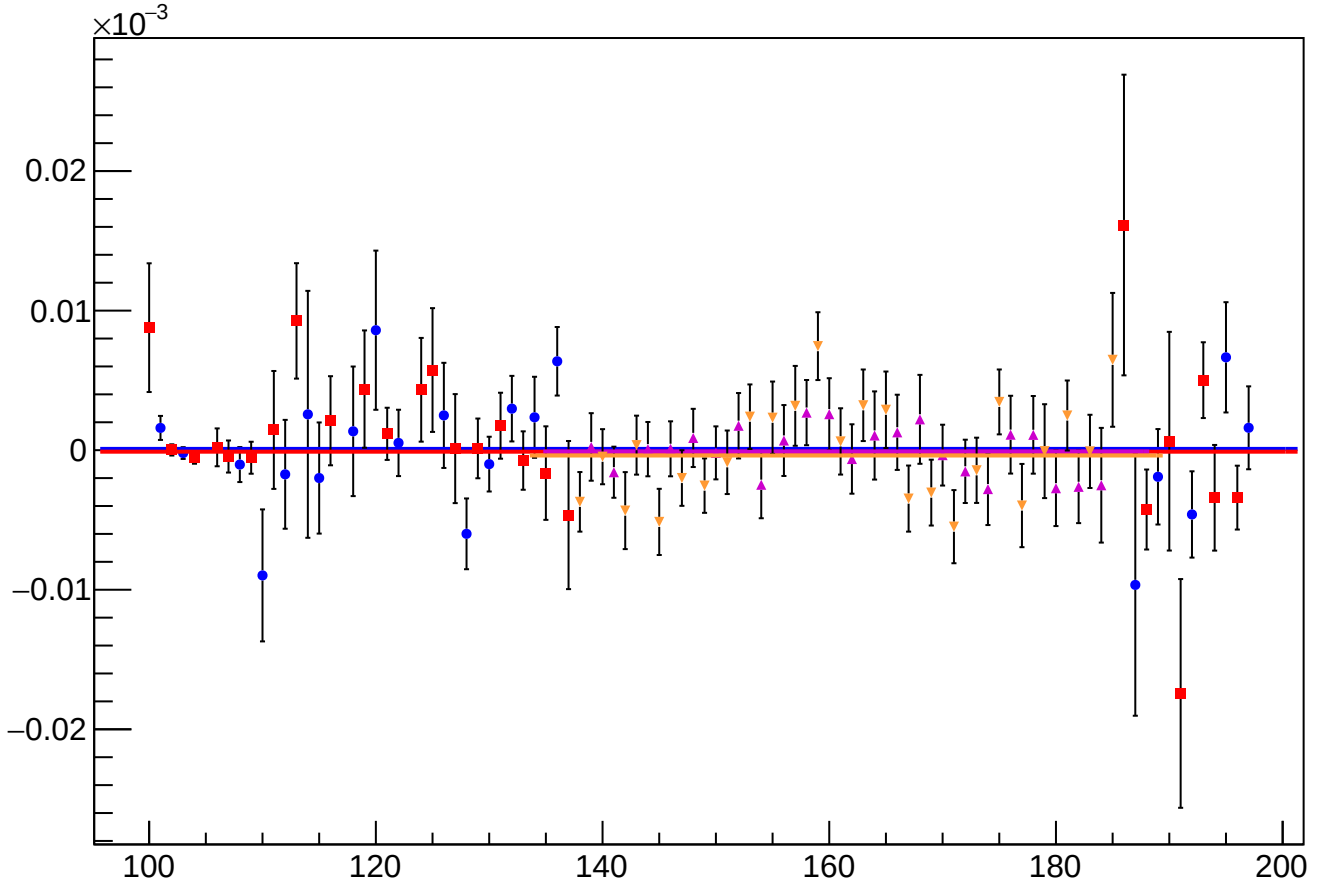
Right Out: 22.523+/-0.005 χ^2/NDF: 2856705.7/25

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.855+/-0.003 χ^2/NDF: 5934775.5/45

All: 24.740+/-0.002 χ^2/NDF: 11669028.4/94

- sign 24.628+/-0.003 χ^2/NDF: 5732106.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 32.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/25

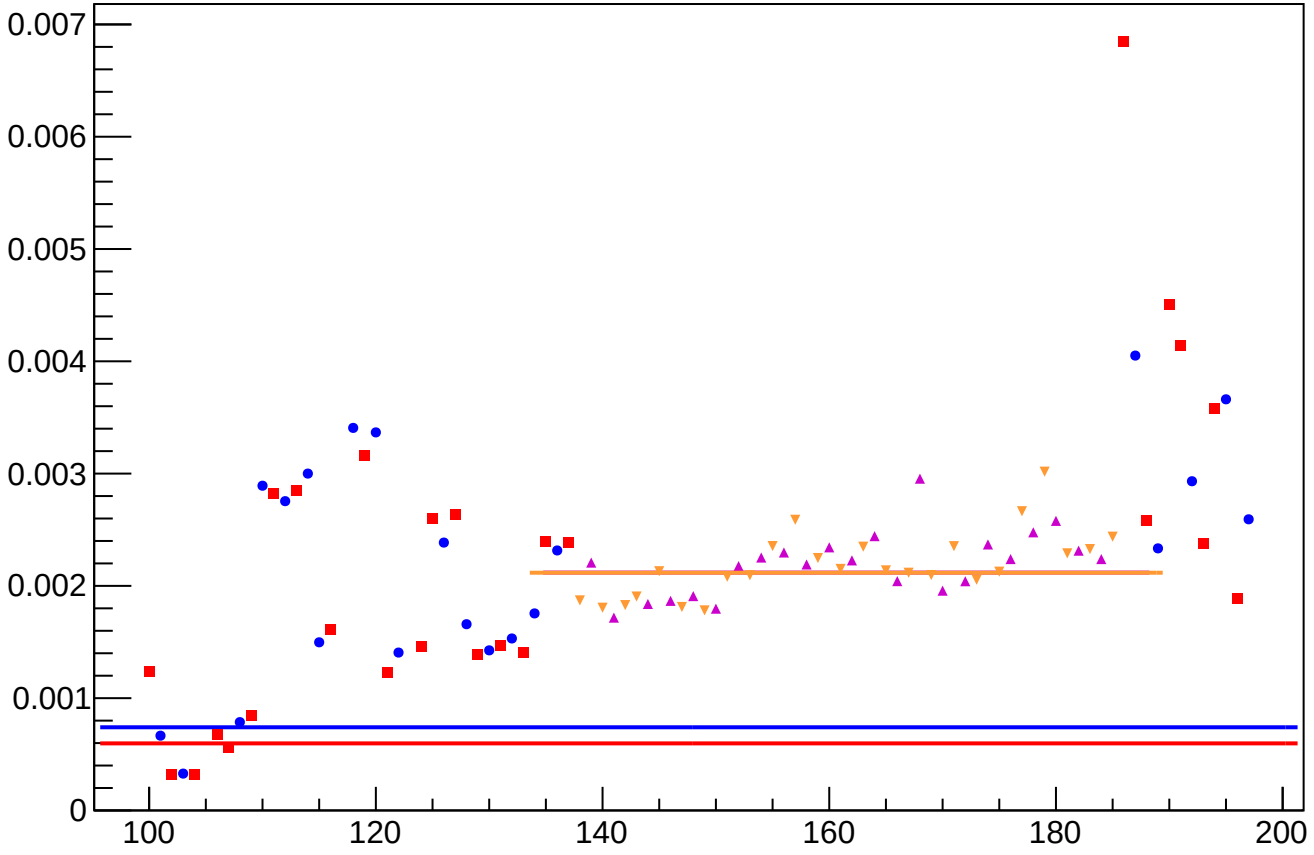
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.6/45

All: -0.000+/-0.000 χ^2/NDF: 119.1/94

- sign -0.000+/-0.000 χ^2/NDF: 42.6/48

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10058448.4/20

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12083715.3/25

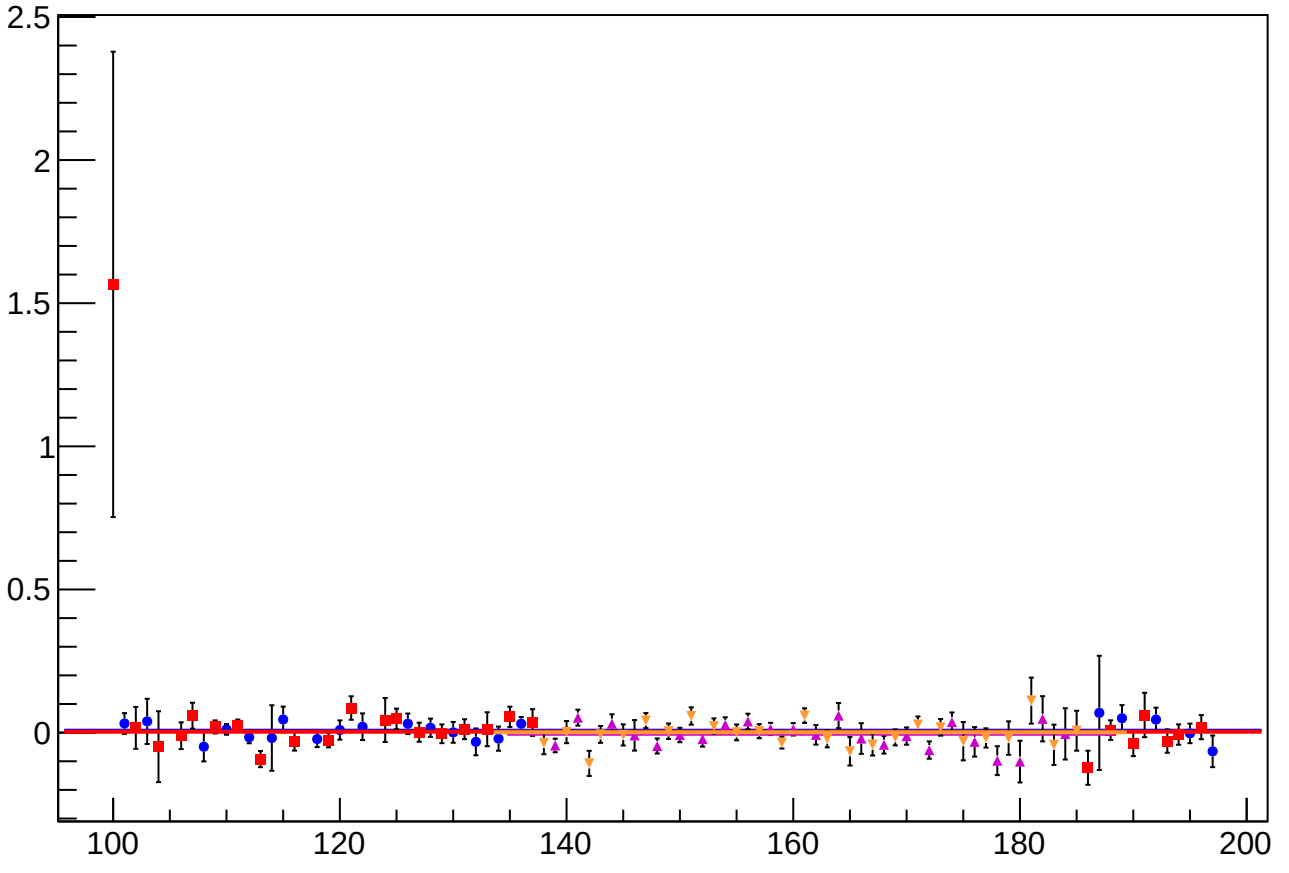
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 21675678.5/45

All: 0.001+/-0.000 χ^2/NDF: 50061673.5/94

- sign 0.001+/-0.000 χ^2/NDF: 27335975.6/48

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.008 χ^2/NDF: 11.5/20

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.003+/-0.007 χ^2/NDF: 37.0/25

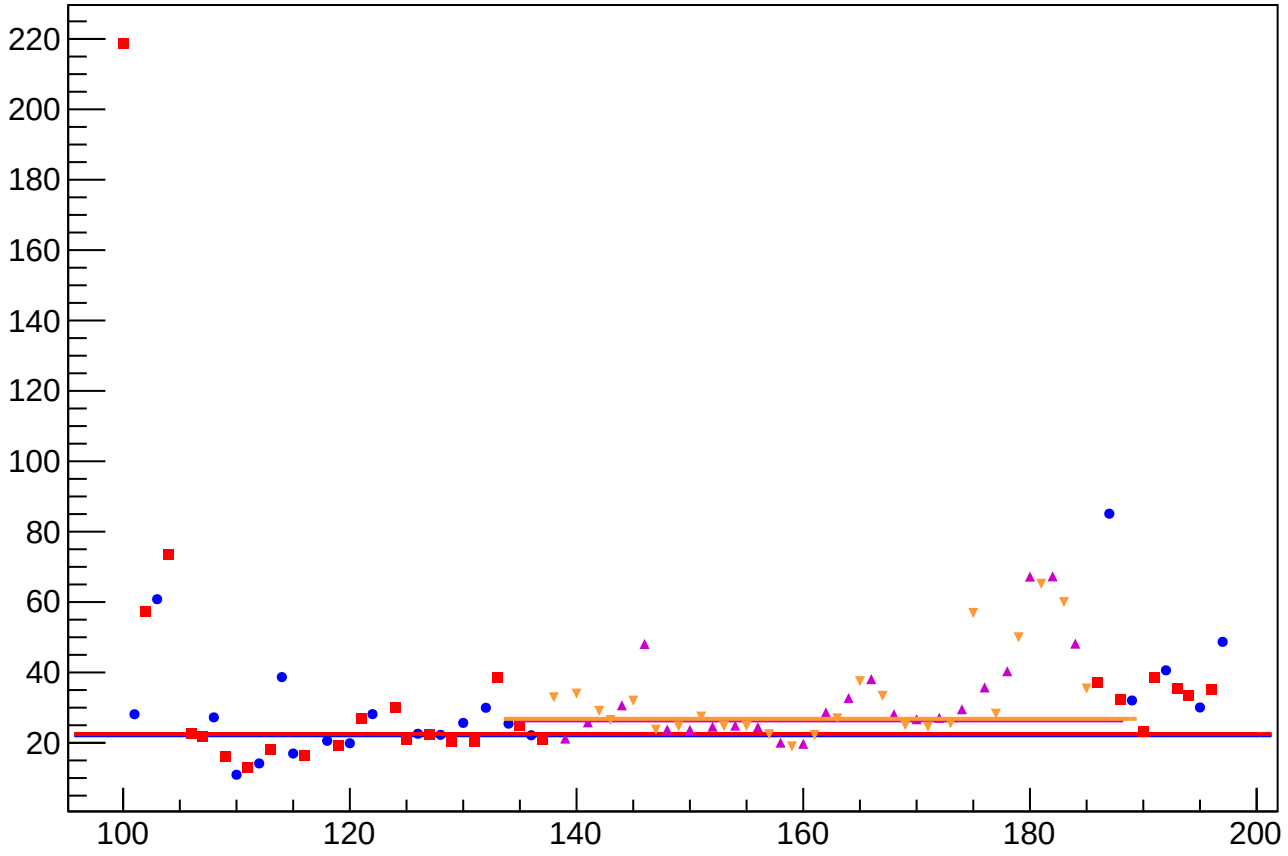
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 42.1/45

All: 0.001+/-0.003 χ^2/NDF: 111.1/94

- sign -0.001+/-0.005 χ^2/NDF: 68.6/48

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.154+/-0.005 χ^2/NDF: 3029887.2/20

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

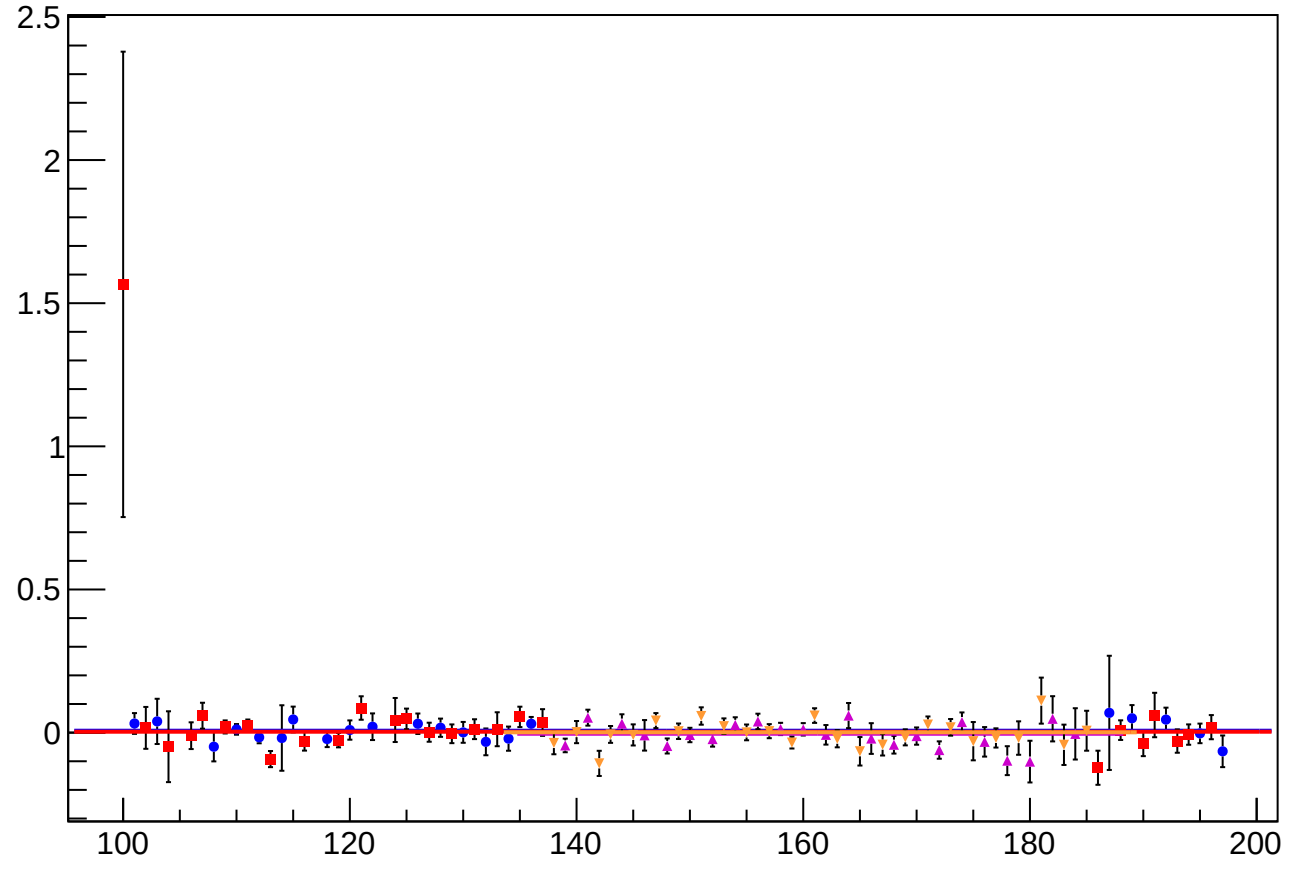
Right Out: 22.523+/-0.005 χ^2/NDF: 2856459.6/25

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.856+/-0.003 χ^2/NDF: 5934494.6/45

All: 24.740+/-0.002 χ^2/NDF: 11668572.4/94

- sign 24.628+/-0.003 χ^2/NDF: 5731927.1/48



Right In: 0.007+/-0.008 χ^2/NDF: 11.5/20

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

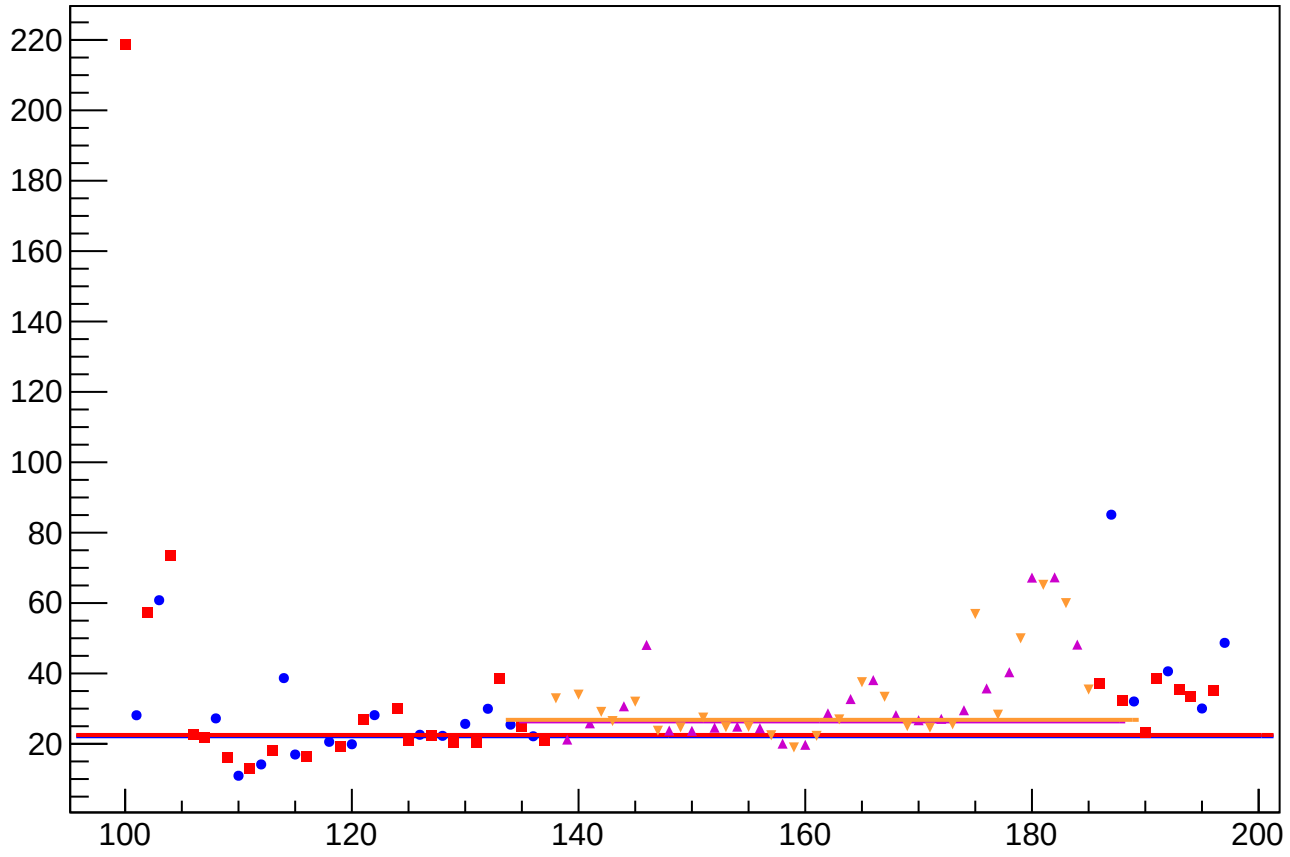
Right Out: 0.003+/-0.007 χ^2/NDF: 37.0/25

Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 42.1/45

All: 0.001+/-0.003 χ^2/NDF: 111.1/94

- sign -0.001+/-0.005 χ^2/NDF: 68.6/48



Right In: 22.154+/-0.005 χ^2/NDF: 3029887.2/20

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

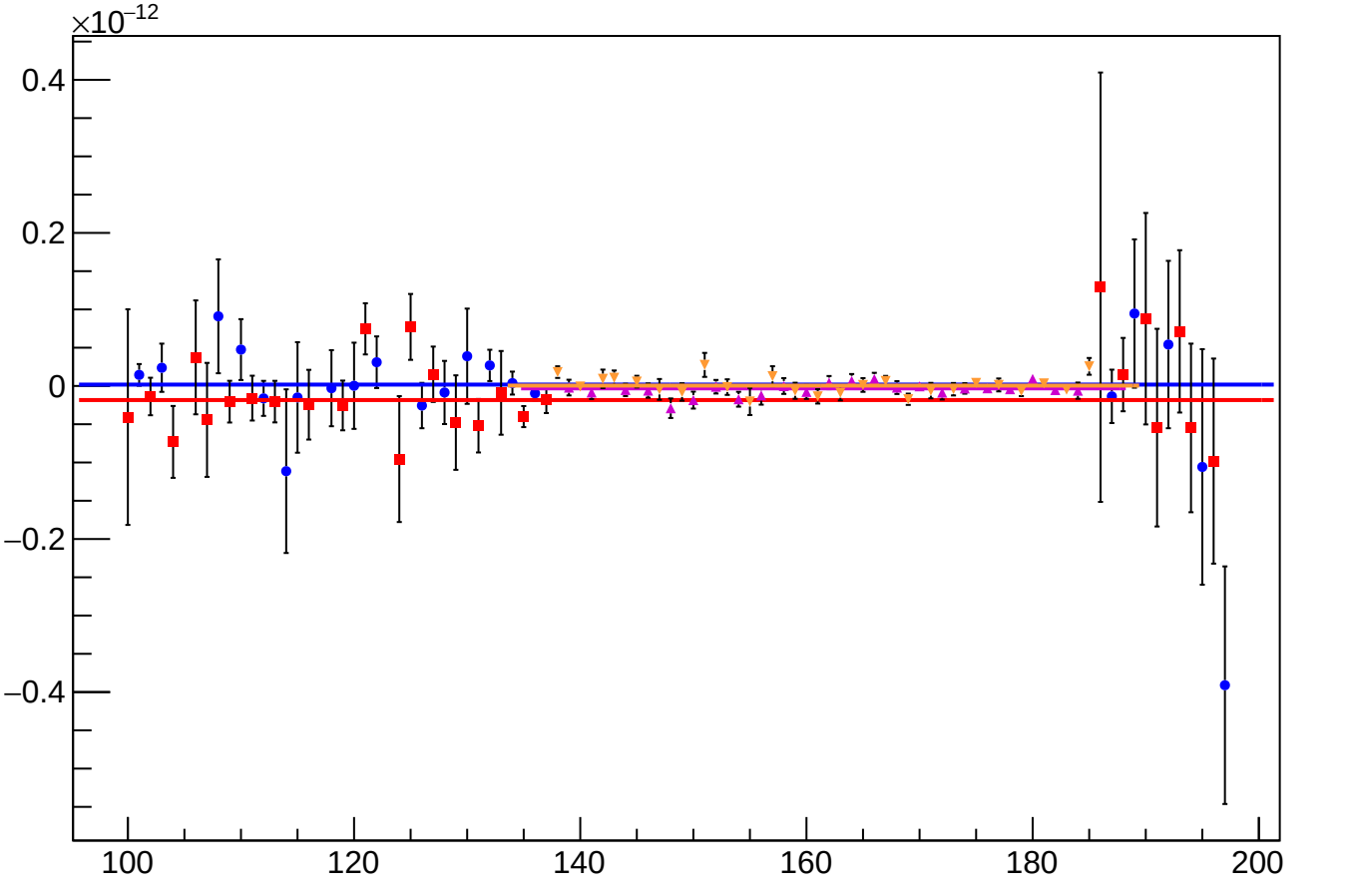
Right Out: 22.523+/-0.005 χ^2/NDF: 2856459.6/25

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

\+ sign 24.856+/-0.003 χ^2/NDF: 5934494.6/45

All: 24.740+/-0.002 χ^2/NDF: 11668572.4/94

\- sign 24.628+/-0.003 χ^2/NDF: 5731927.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/25

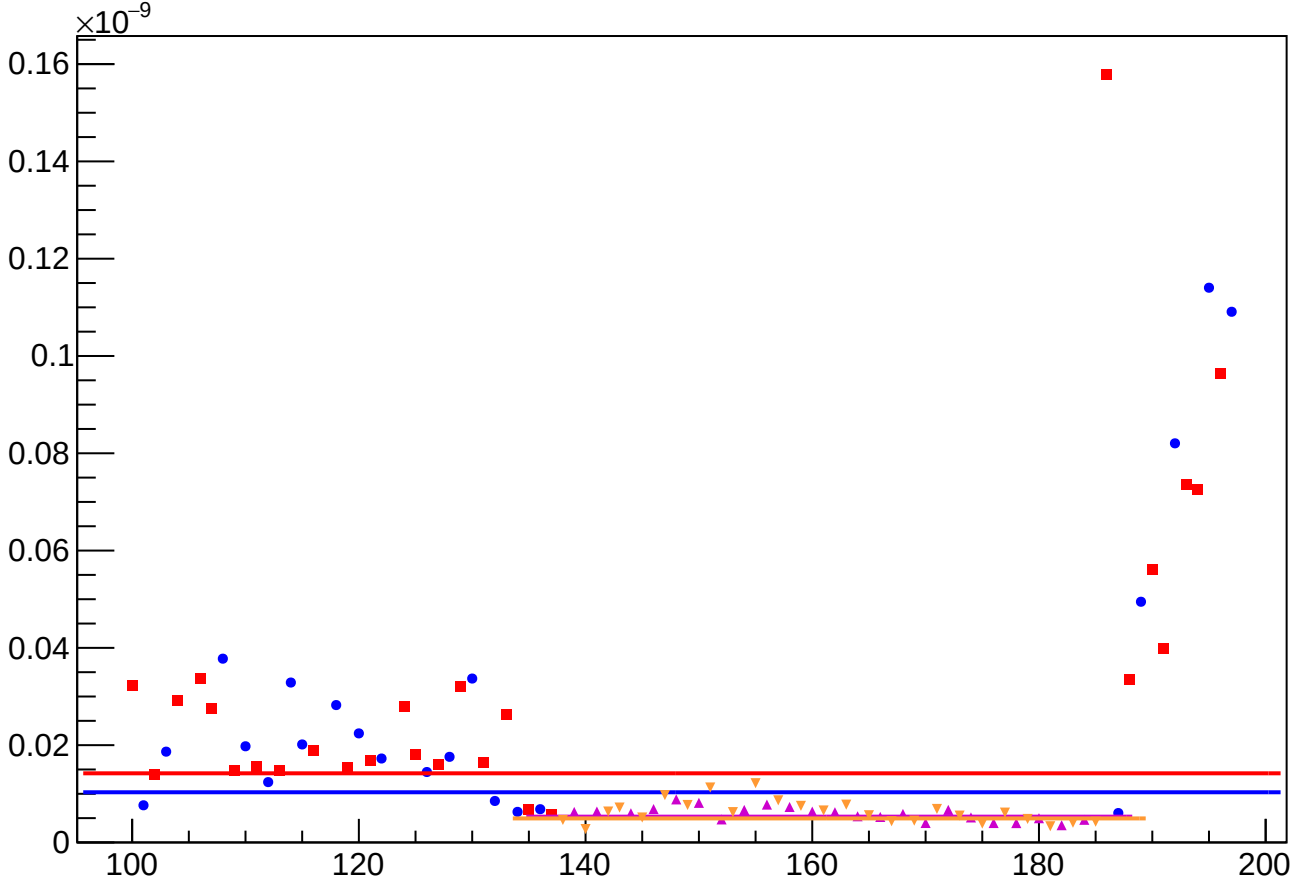
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.7/45

All: -0.000+/-0.000 χ^2/NDF: 102.5/94

- sign -0.000+/-0.000 χ^2/NDF: 46.5/48

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4927598.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4936442.2/25

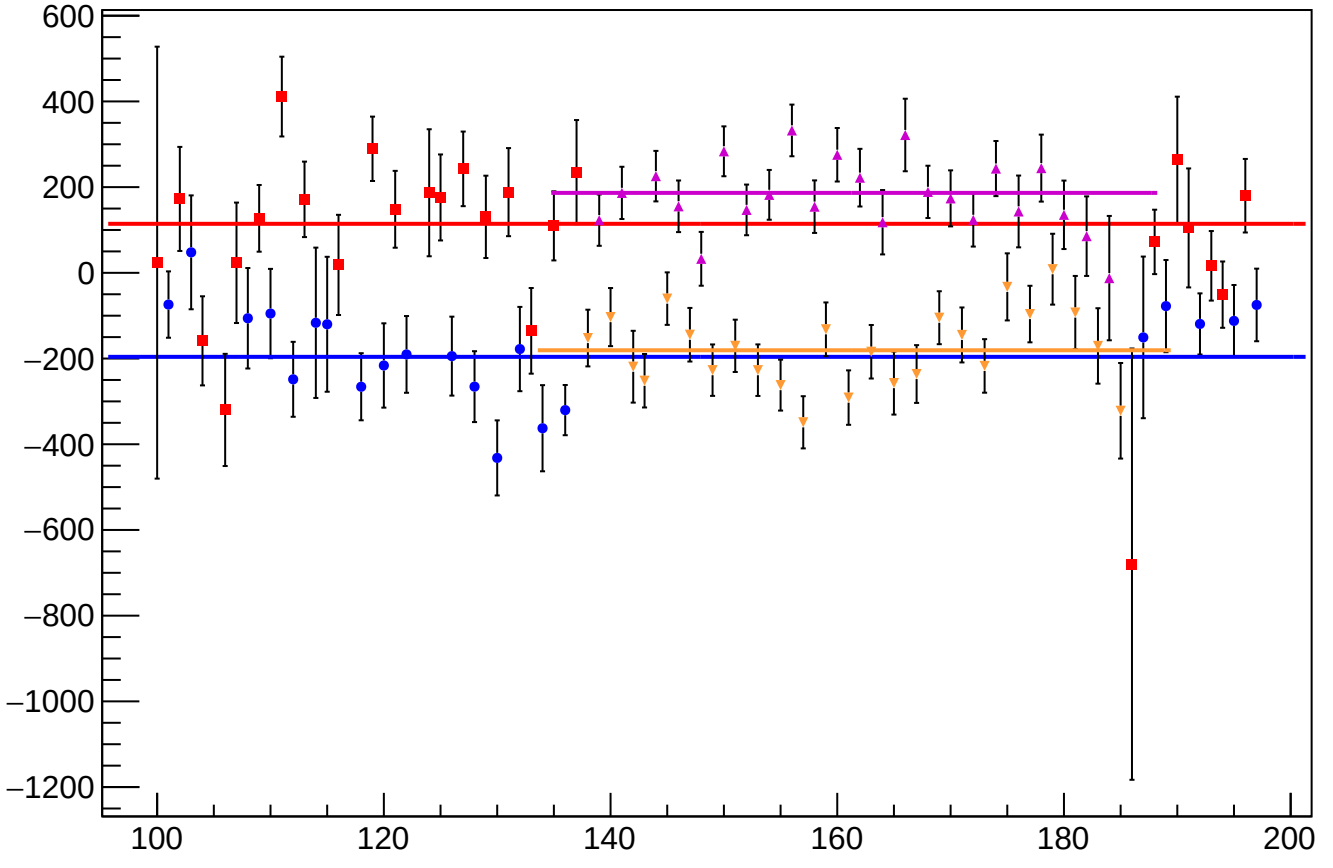
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9376653.1/45

All: 0.000+/-0.000 χ^2/NDF: 18778273.0/94

- sign 0.000+/-0.000 χ^2/NDF: 9314418.9/48

reg_asym_sam8_mean vs Slug



Right In: -196.055+/-20.145 χ^2/NDF: 29.7/20

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 114.392+/-19.639 χ^2/NDF: 56.5/25

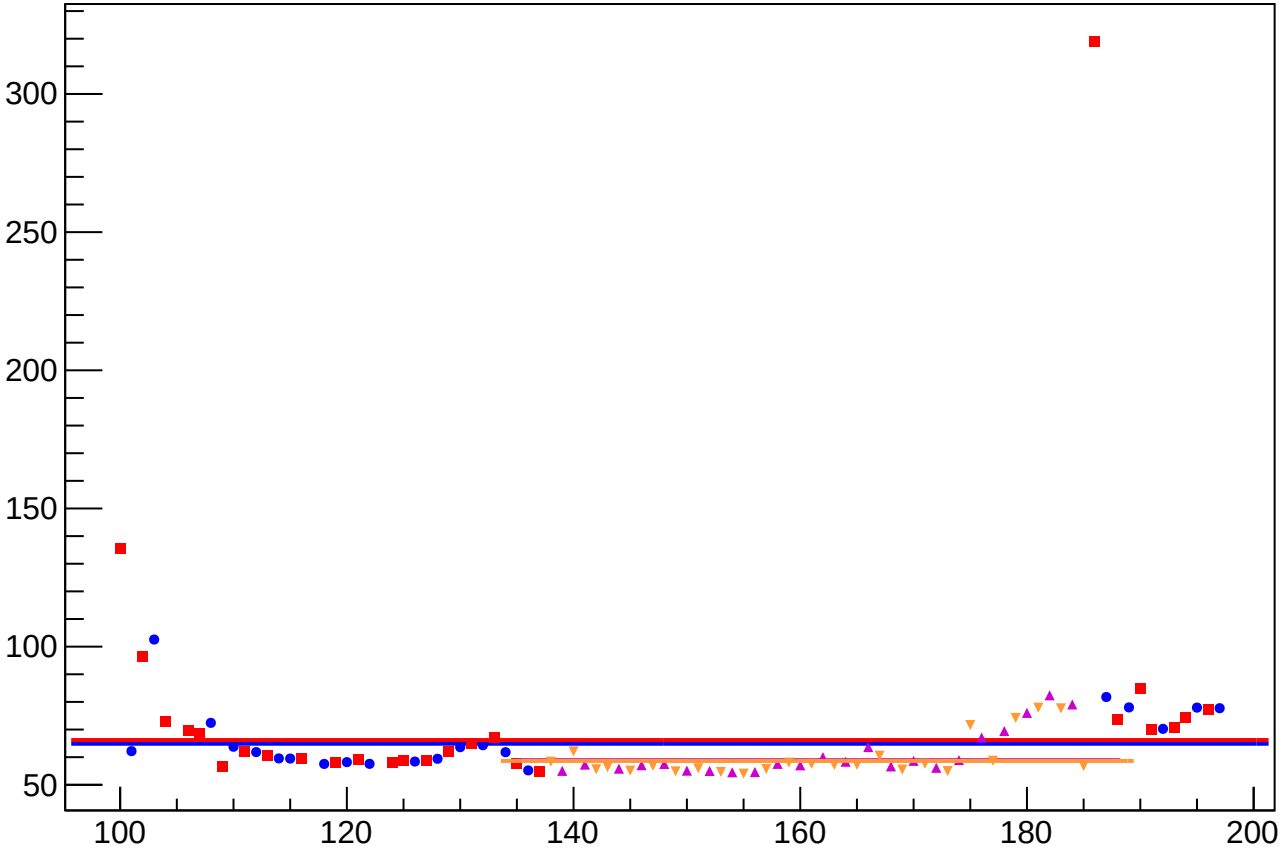
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -185.409+/-11.168 χ^2/NDF: 68.7/45

All: -13.832+/-7.952 χ^2/NDF: 641.9/94

- sign 162.572+/-11.324 χ^2/NDF: 94.5/48

reg_asym_sam8_rms vs Slug



Right In: 64.867+/-0.014 χ^2/NDF: 445580.2/20

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.199+/-0.014 χ^2/NDF: 951530.0/25

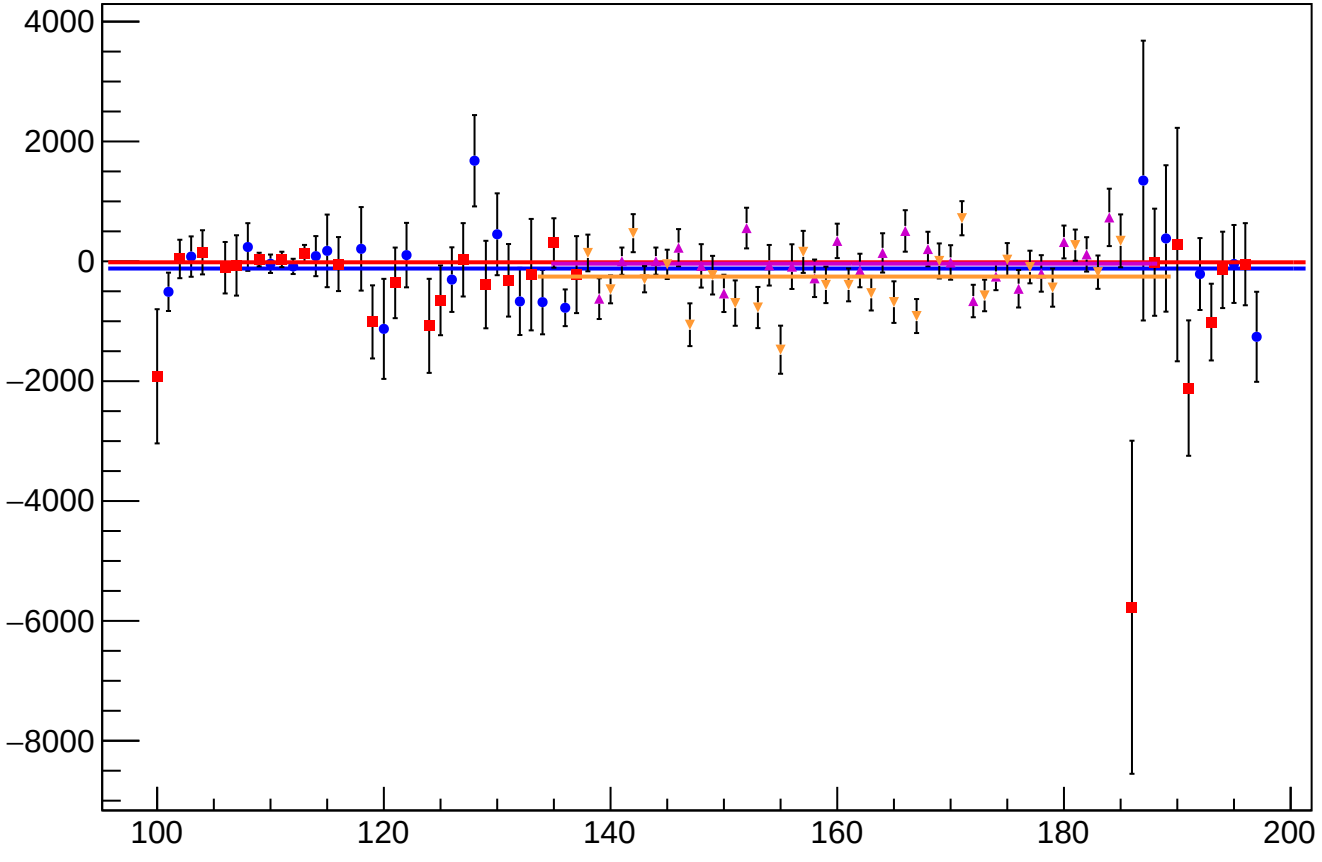
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.556+/-0.008 χ^2/NDF: 971644.8/45

All: 60.938+/-0.006 χ^2/NDF: 2498808.5/94

- sign 61.331+/-0.008 χ^2/NDF: 1522423.5/48

asym_sam8_reg_correction_mean vs Slug



Right In: -120.513+/-74.550 χ^2/NDF: 21.4/20

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -16.063+/-62.731 χ^2/NDF: 22.0/25

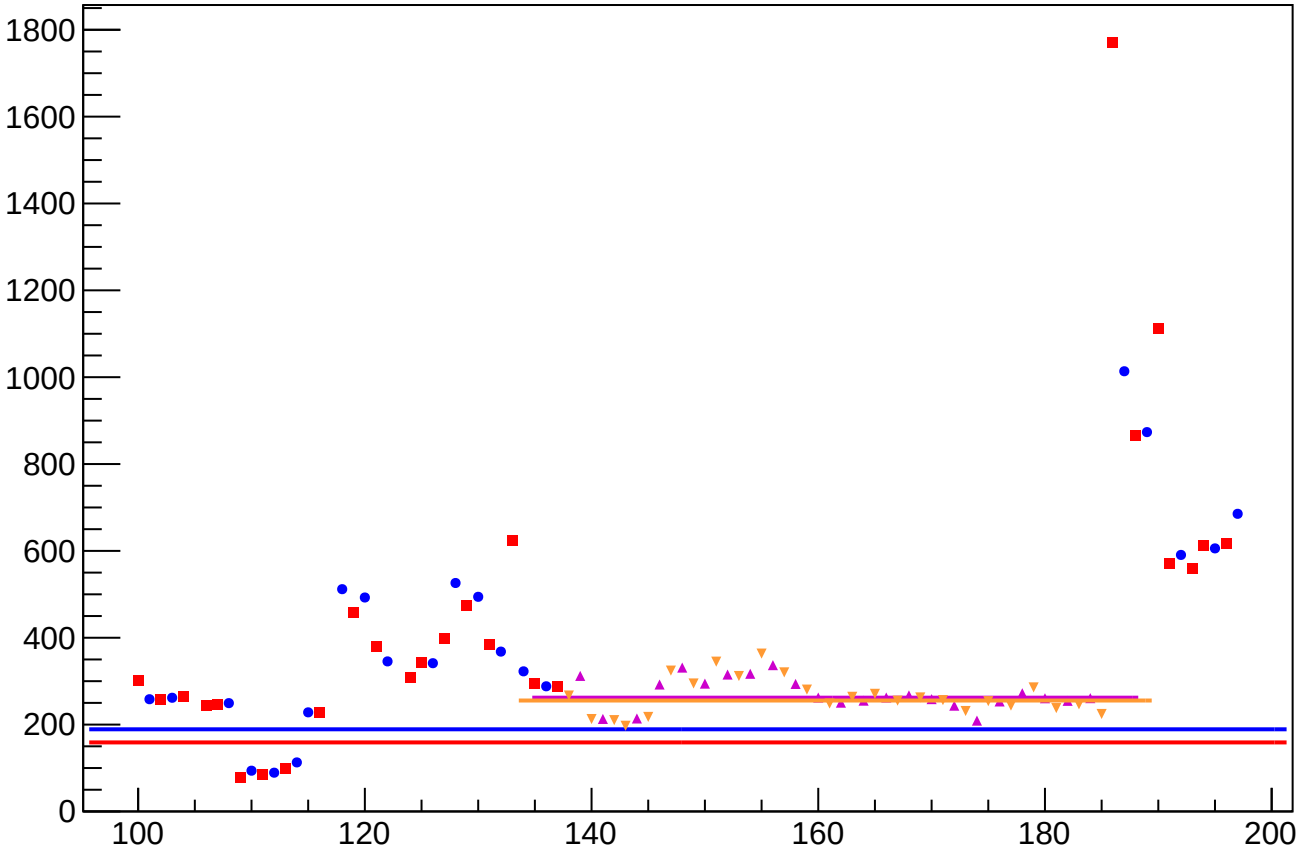
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -203.110+/-46.205 χ^2/NDF: 81.0/45

All: -111.261+/-31.884 χ^2/NDF: 138.9/94

- sign -27.762+/-44.055 χ^2/NDF: 50.4/48

asym_sam8_reg_correction_rms vs Slug



Right In: 189.176+/-0.053 χ^2/NDF: 8159517.2/20

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 158.960+/-0.044 χ^2/NDF: 10697784.4/25

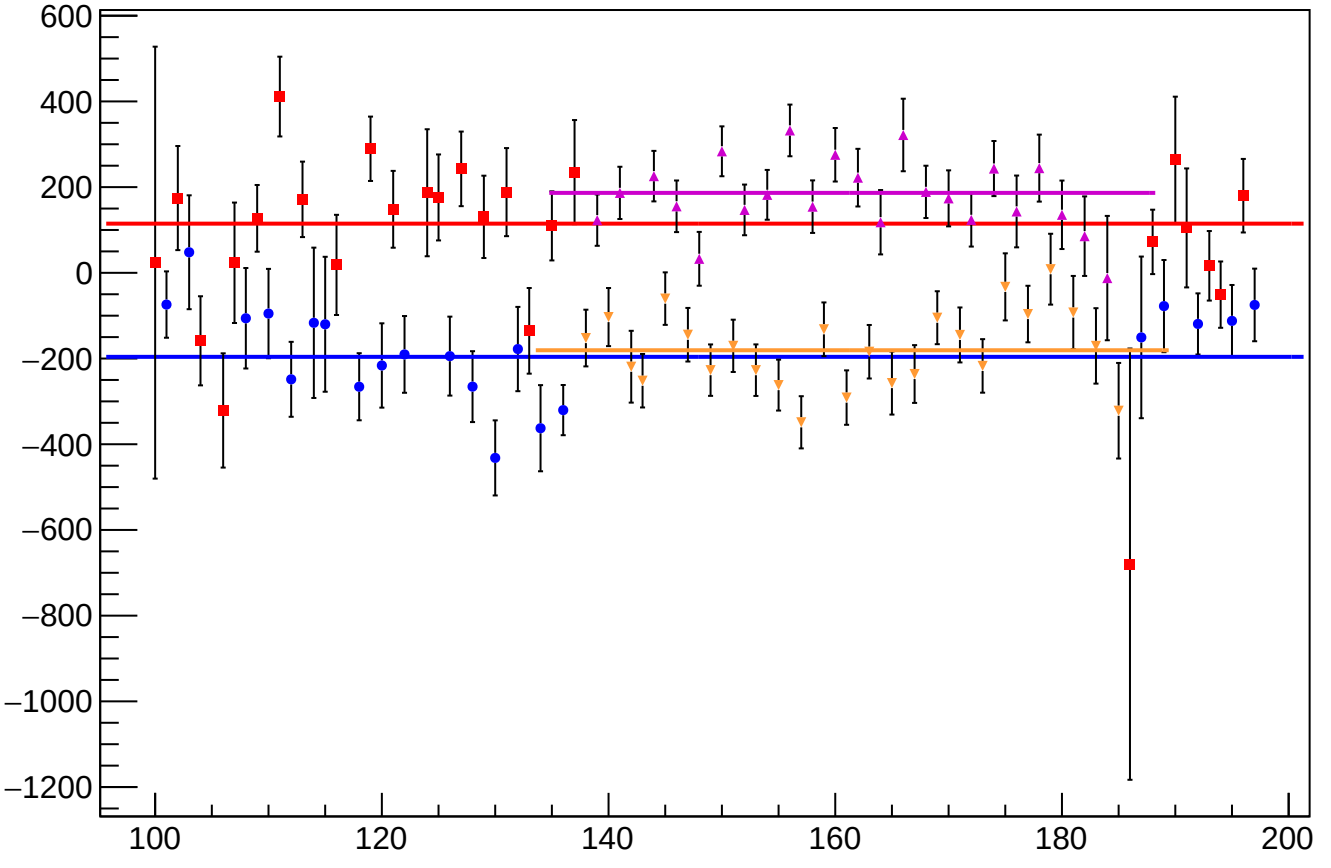
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 230.004+/-0.033 χ^2/NDF: 9997407.4/45

All: 220.146+/-0.023 χ^2/NDF: 24274689.1/94

- sign 211.185+/-0.031 χ^2/NDF: 14103494.4/48

cor_asym_sam8_mean vs Slug



Right In: -196.054+/-20.145 χ^2/NDF: 29.7/20

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 114.771+/-19.648 χ^2/NDF: 56.1/25

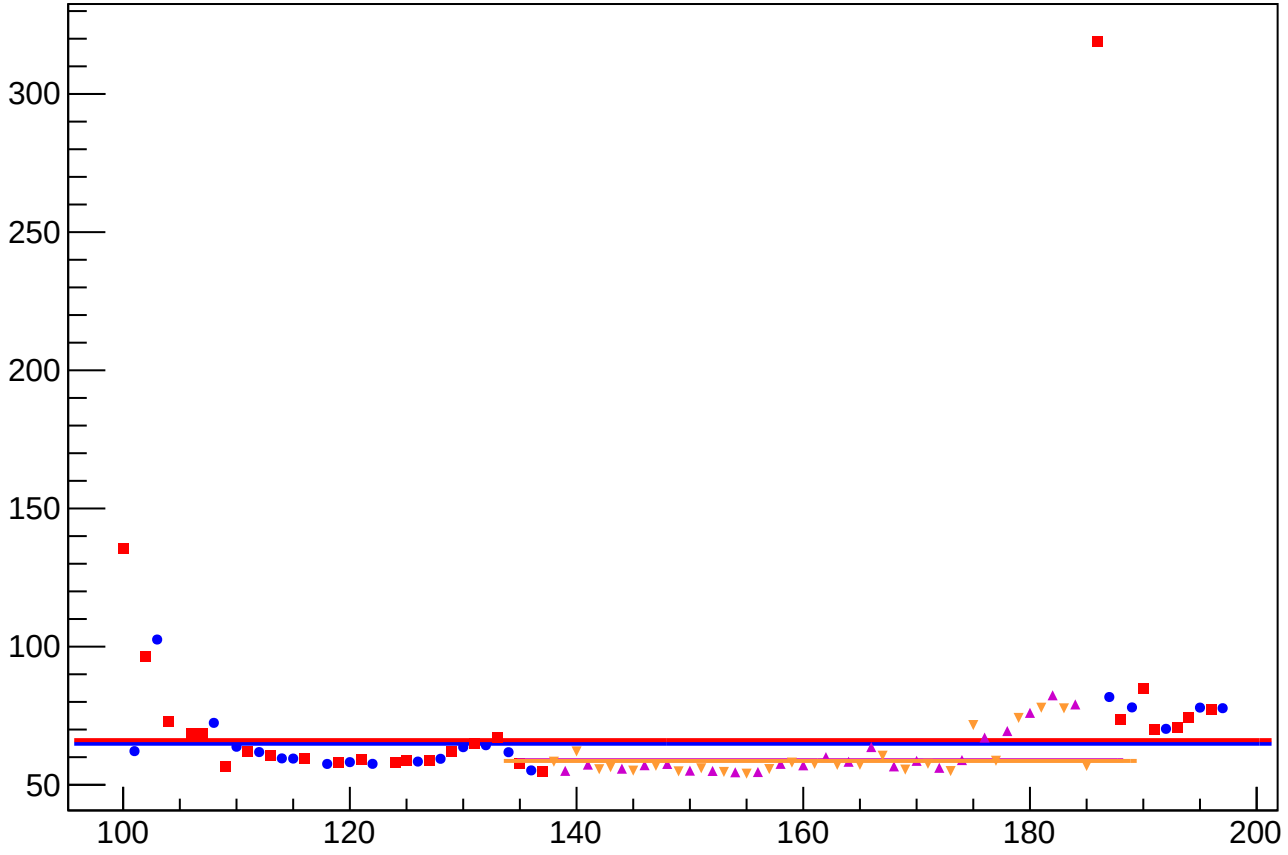
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -185.405+/-11.168 χ^2/NDF: 68.7/45

All: -13.785+/-7.952 χ^2/NDF: 641.8/94

- sign 162.711+/-11.325 χ^2/NDF: 94.1/48

cor_asym_sam8_rms vs Slug



Right In: 64.867+/-0.014 χ^2/NDF: 445582.6/20

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.171+/-0.014 χ^2/NDF: 950924.9/25

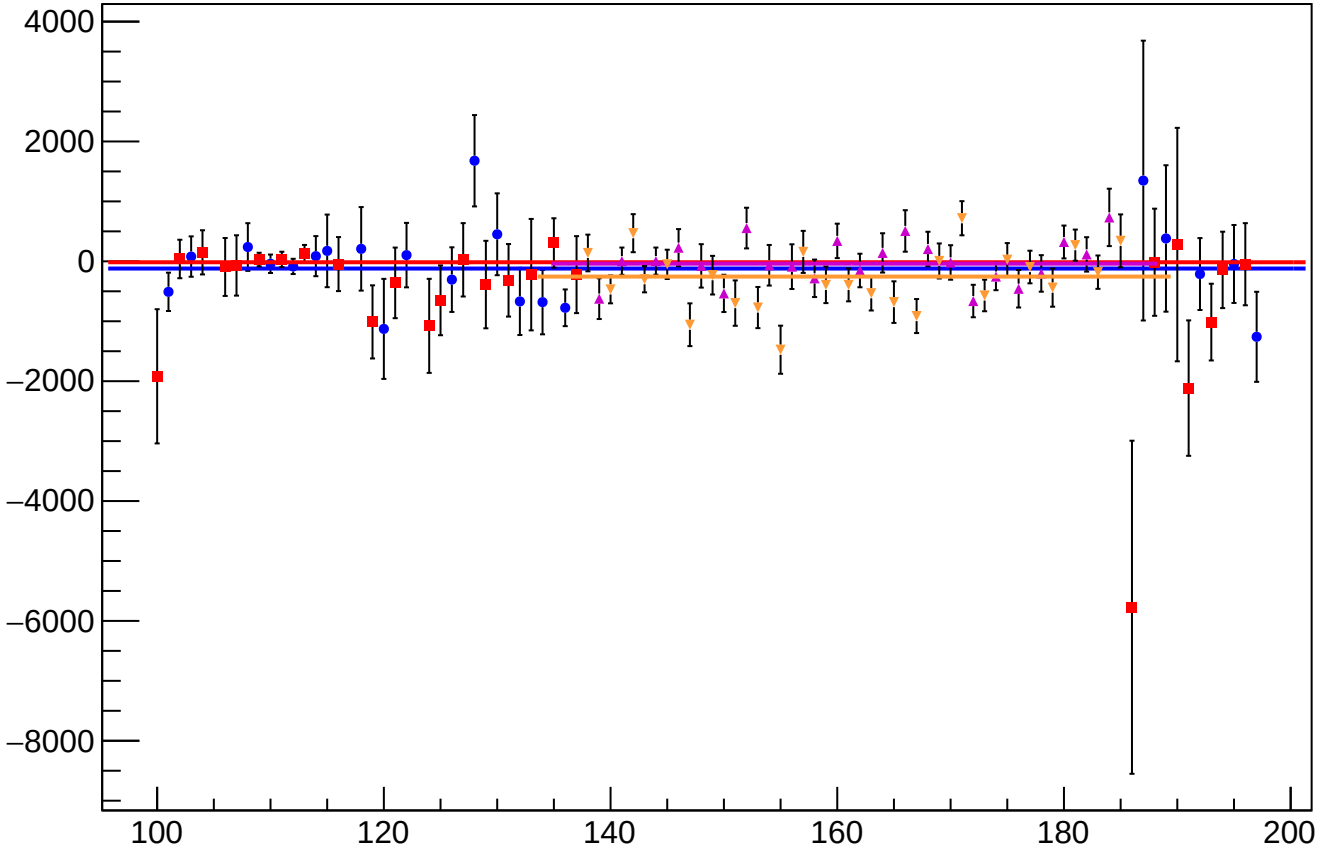
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.556+/-0.008 χ^2/NDF: 971647.4/45

All: 60.933+/-0.006 χ^2/NDF: 2496575.4/94

- sign 61.320+/-0.008 χ^2/NDF: 1520317.0/48

asym_sam8_cor_correction_mean vs Slug



Right In: -120.495+/-74.550 χ^2/NDF: 21.4/20

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -15.463+/-62.875 χ^2/NDF: 22.0/25

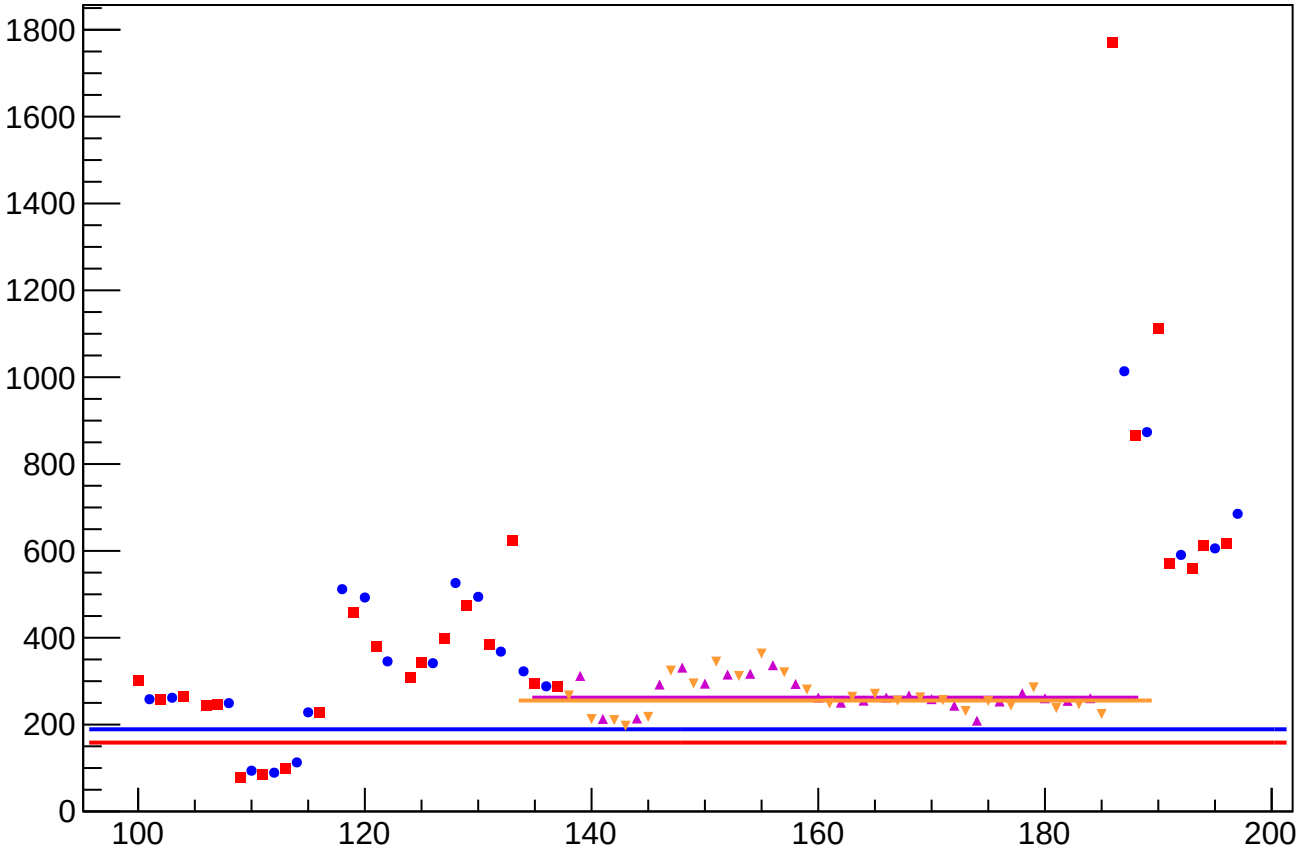
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -203.102+/-46.205 χ^2/NDF: 81.0/45

All: -111.215+/-31.903 χ^2/NDF: 138.9/94

- sign -27.492+/-44.104 χ^2/NDF: 50.4/48

asym_sam8_cor_correction_rms vs Slug



Right In: 189.176+/-0.053 χ^2/NDF: 8159566.1/20

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 158.578+/-0.044 χ^2/NDF: 10682033.8/25

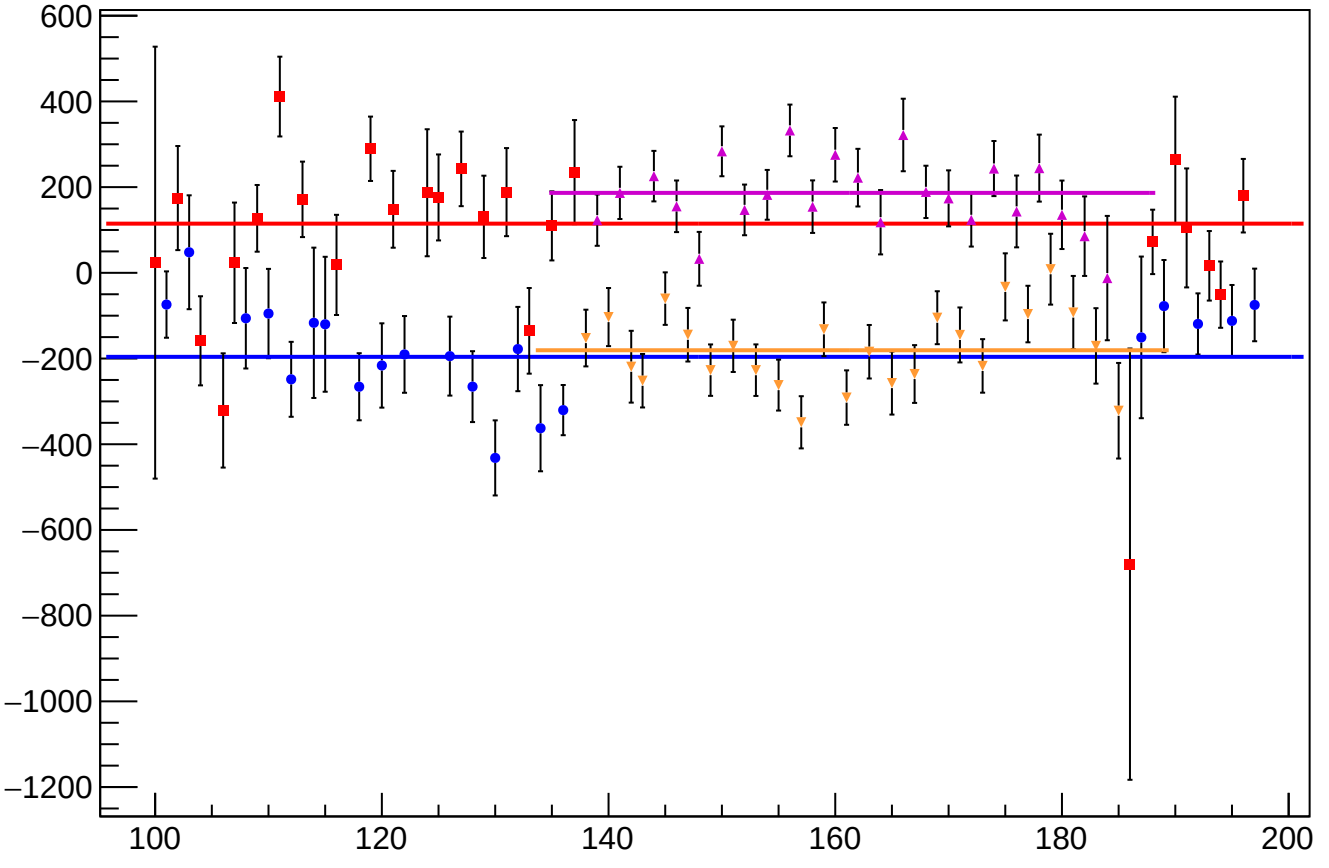
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 230.004+/-0.033 χ^2/NDF: 9997433.0/45

All: 220.120+/-0.023 χ^2/NDF: 24273981.1/94

- sign 211.115+/-0.031 χ^2/NDF: 14101650.6/48

eigen_cor_asym_sam8_mean vs Slug



Right In: -196.054+/-20.145 χ^2/NDF: 29.7/20

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 114.771+/-19.648 χ^2/NDF: 56.1/25

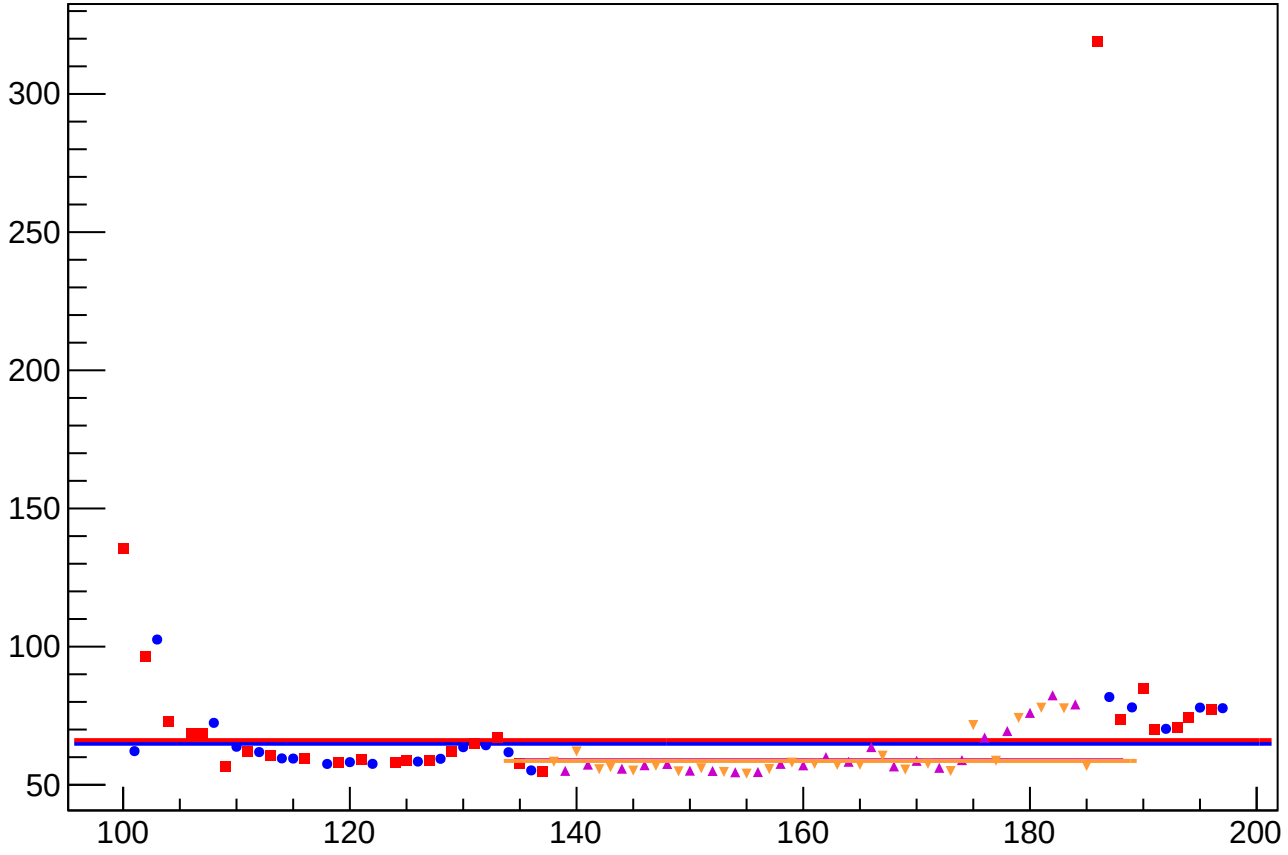
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -185.405+/-11.168 χ^2/NDF: 68.7/45

All: -13.785+/-7.952 χ^2/NDF: 641.8/94

- sign 162.711+/-11.325 χ^2/NDF: 94.1/48

eigen_cor_asym_sam8_rms vs Slug



Right In: 64.867+/-0.014 χ^2/NDF: 445582.6/20

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.171+/-0.014 χ^2/NDF: 950924.9/25

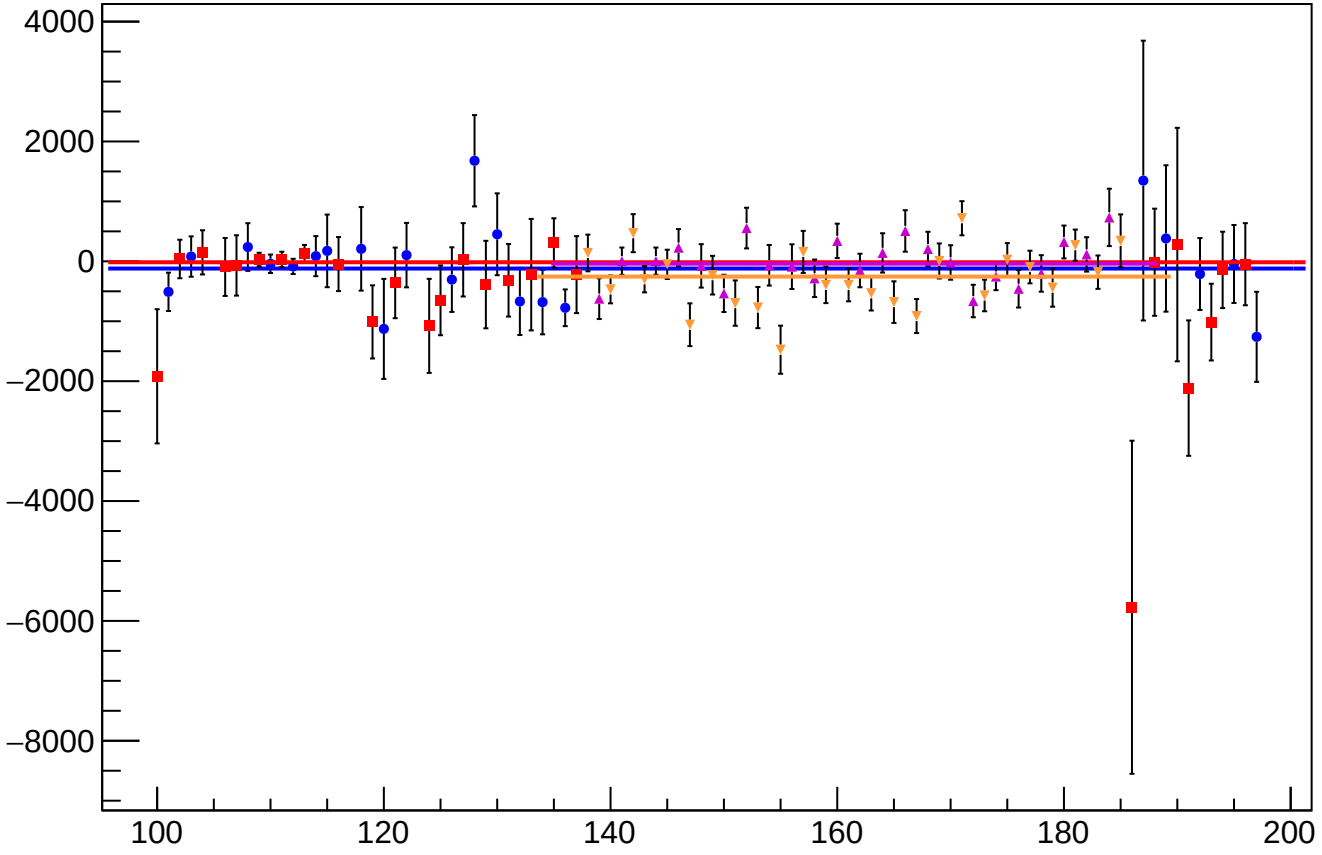
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 60.556+/-0.008 χ^2/NDF: 971647.4/45

All: 60.933+/-0.006 χ^2/NDF: 2496575.4/94

- sign 61.320+/-0.008 χ^2/NDF: 1520317.0/48

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -120.495+/-74.550 χ^2/NDF: 21.4/20

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -15.463+/-62.875 χ^2/NDF: 22.0/25

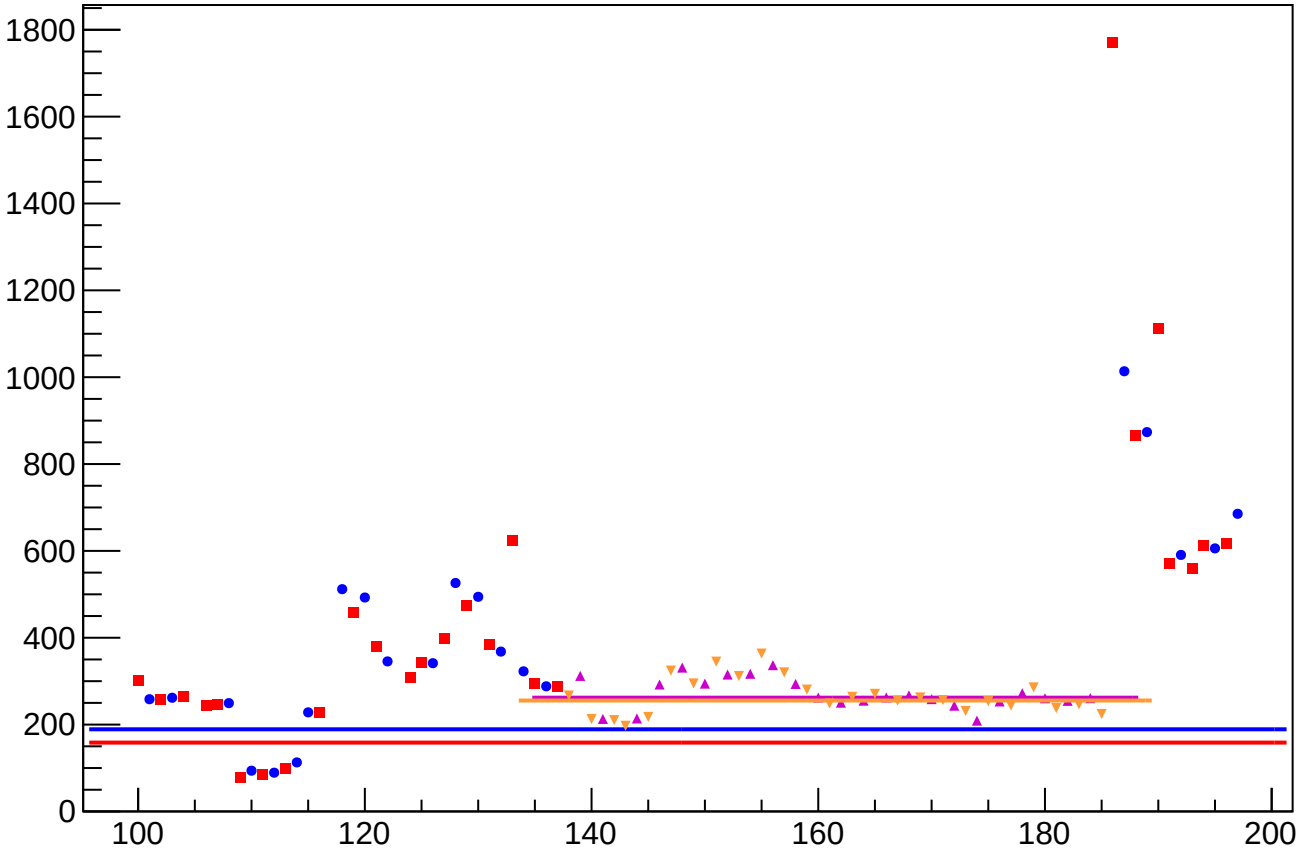
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -203.102+/-46.205 χ^2/NDF: 81.0/45

All: -111.215+/-31.903 χ^2/NDF: 138.9/94

- sign -27.492+/-44.104 χ^2/NDF: 50.4/48

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 189.176+/-0.053 χ^2/NDF: 8159566.1/20

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 158.578+/-0.044 χ^2/NDF: 10682033.8/25

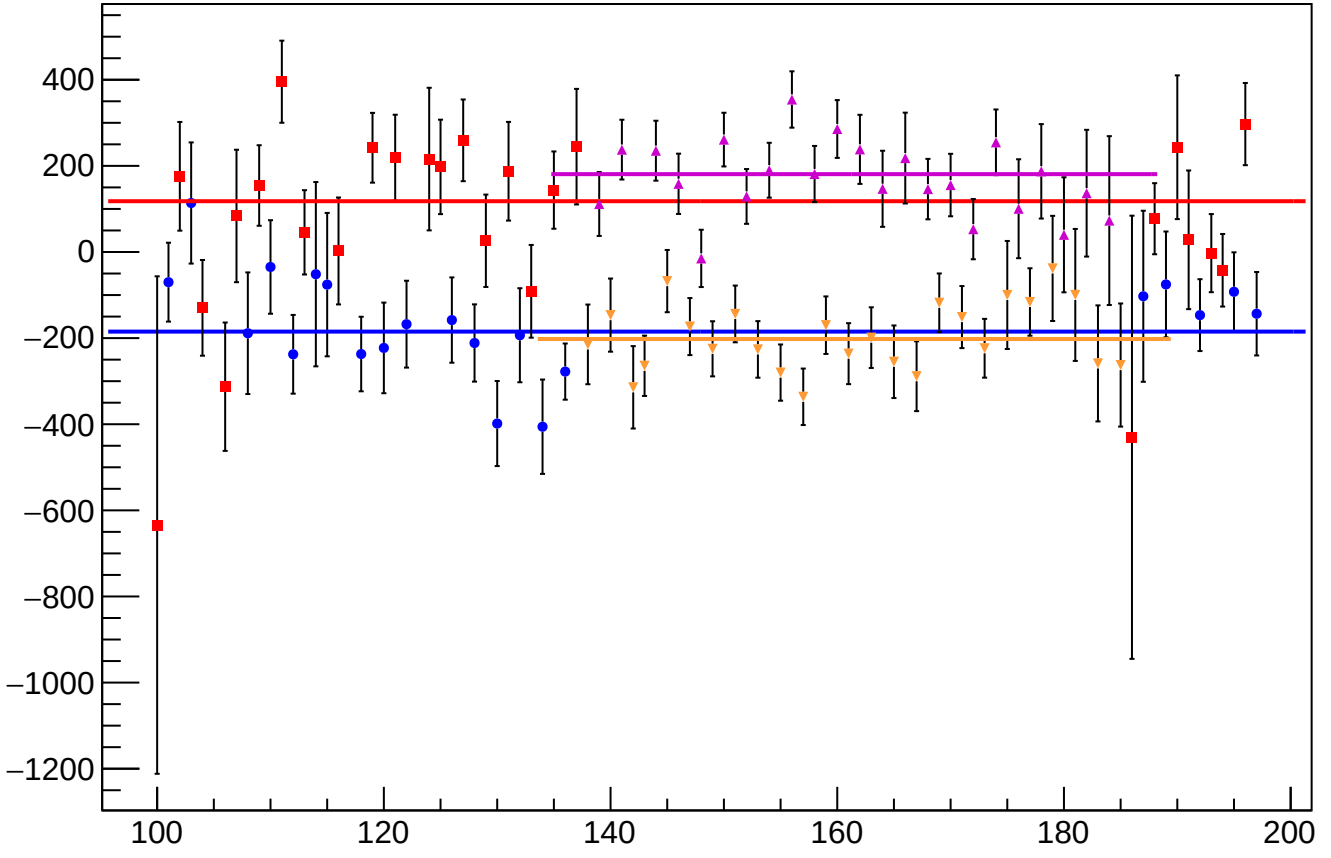
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 230.004+/-0.033 χ^2/NDF: 9997433.0/45

All: 220.120+/-0.023 χ^2/NDF: 24273981.1/94

- sign 211.115+/-0.031 χ^2/NDF: 14101650.6/48

dit_asym_sam8_mean vs Slug



Right In: -184.870+/-22.384 χ^2/NDF: 23.0/20

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 117.955+/-21.632 χ^2/NDF: 48.8/25

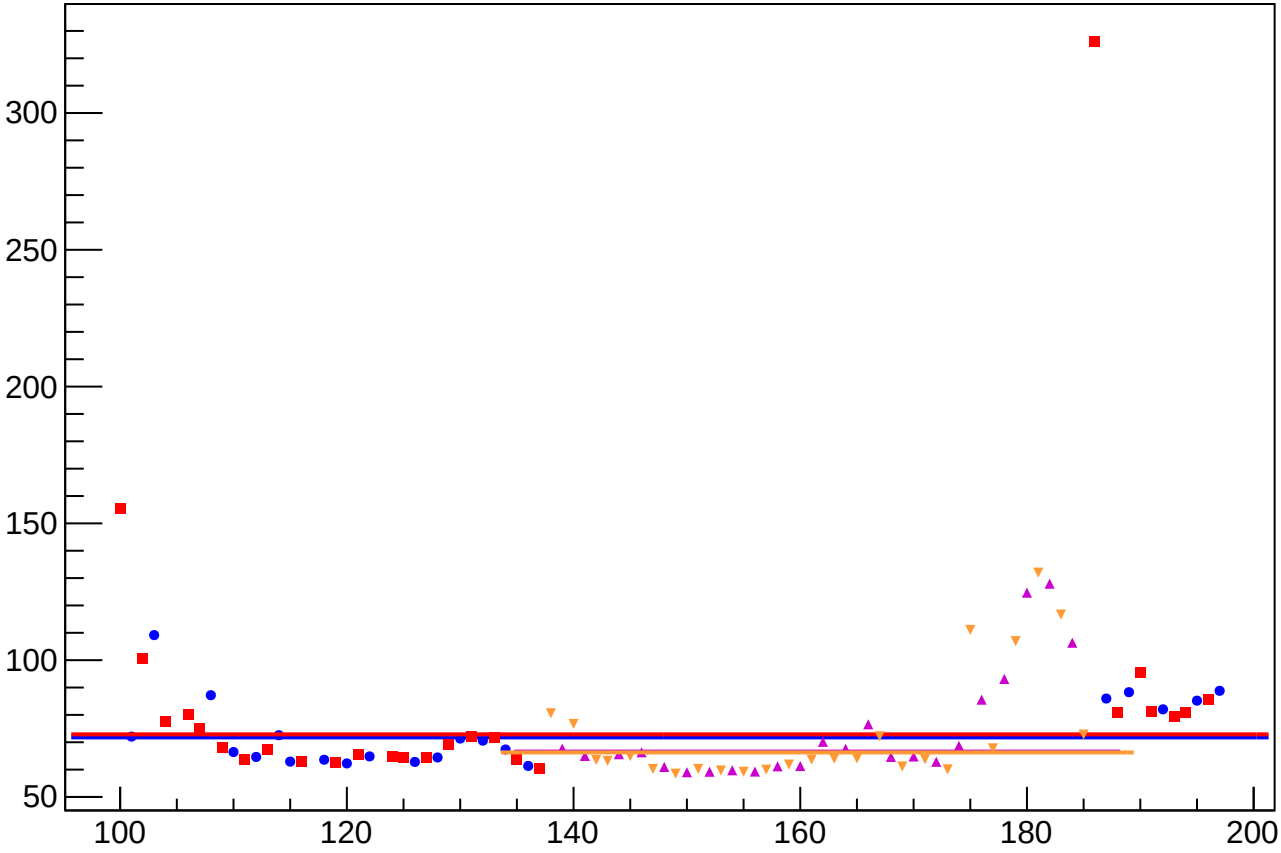
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

\+ sign -196.491+/-12.764 χ^2/NDF: 44.9/45

All: -20.493+/-9.064 χ^2/NDF: 512.8/94

\- sign 158.532+/-12.874 χ^2/NDF: 84.4/48

dit_asym_sam8_rms vs Slug



Right In: 71.776+/-0.016 χ^2/NDF: 497215.1/20

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 72.885+/-0.015 χ^2/NDF: 912574.0/25

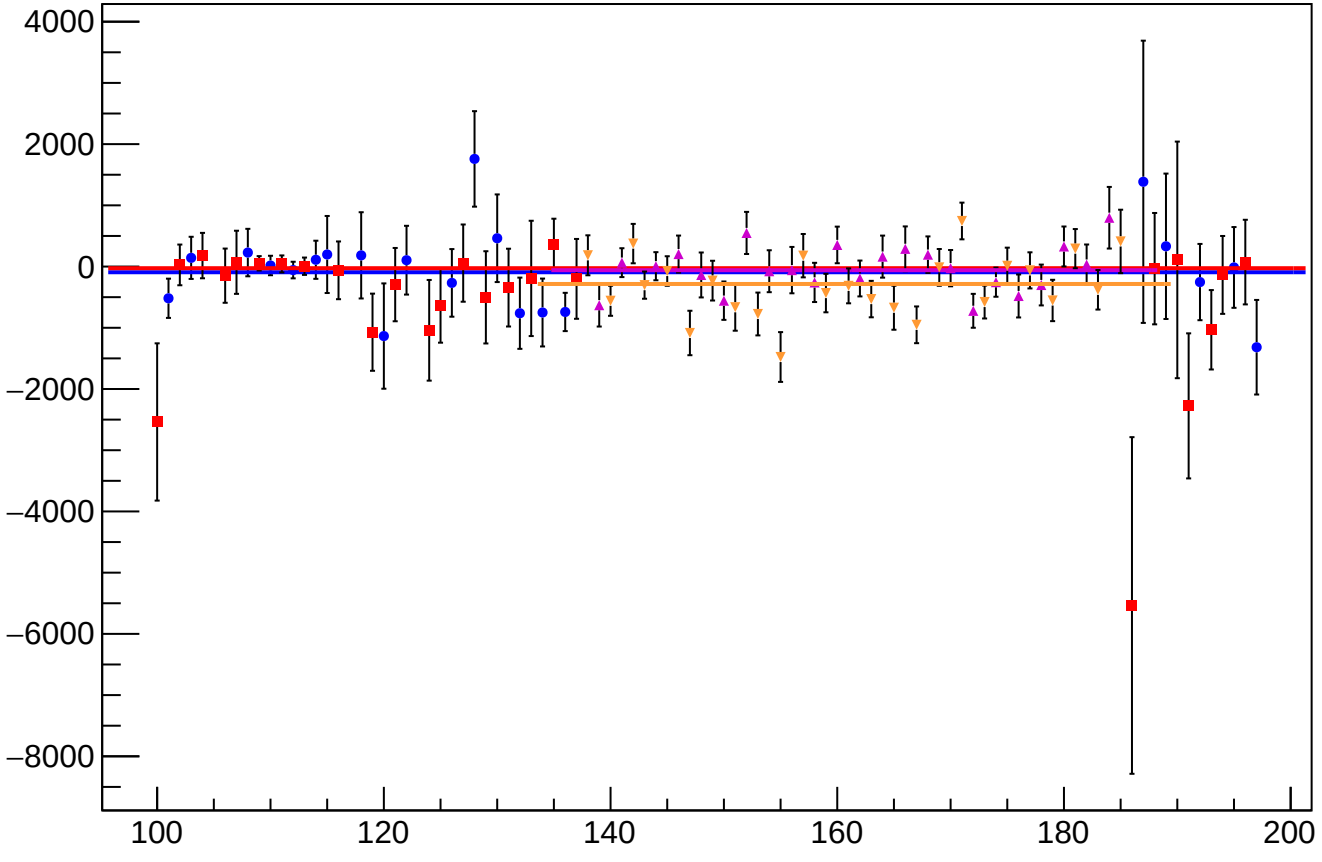
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 68.066+/-0.009 χ^2/NDF: 1972495.0/45

All: 68.438+/-0.006 χ^2/NDF: 4156294.3/94

- sign 68.817+/-0.009 χ^2/NDF: 2180374.7/48

asym_sam8_dit_correction_mean vs Slug



Right In: -92.791+/-76.923 χ^2/NDF: 22.4/20

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -26.729+/-64.623 χ^2/NDF: 22.2/25

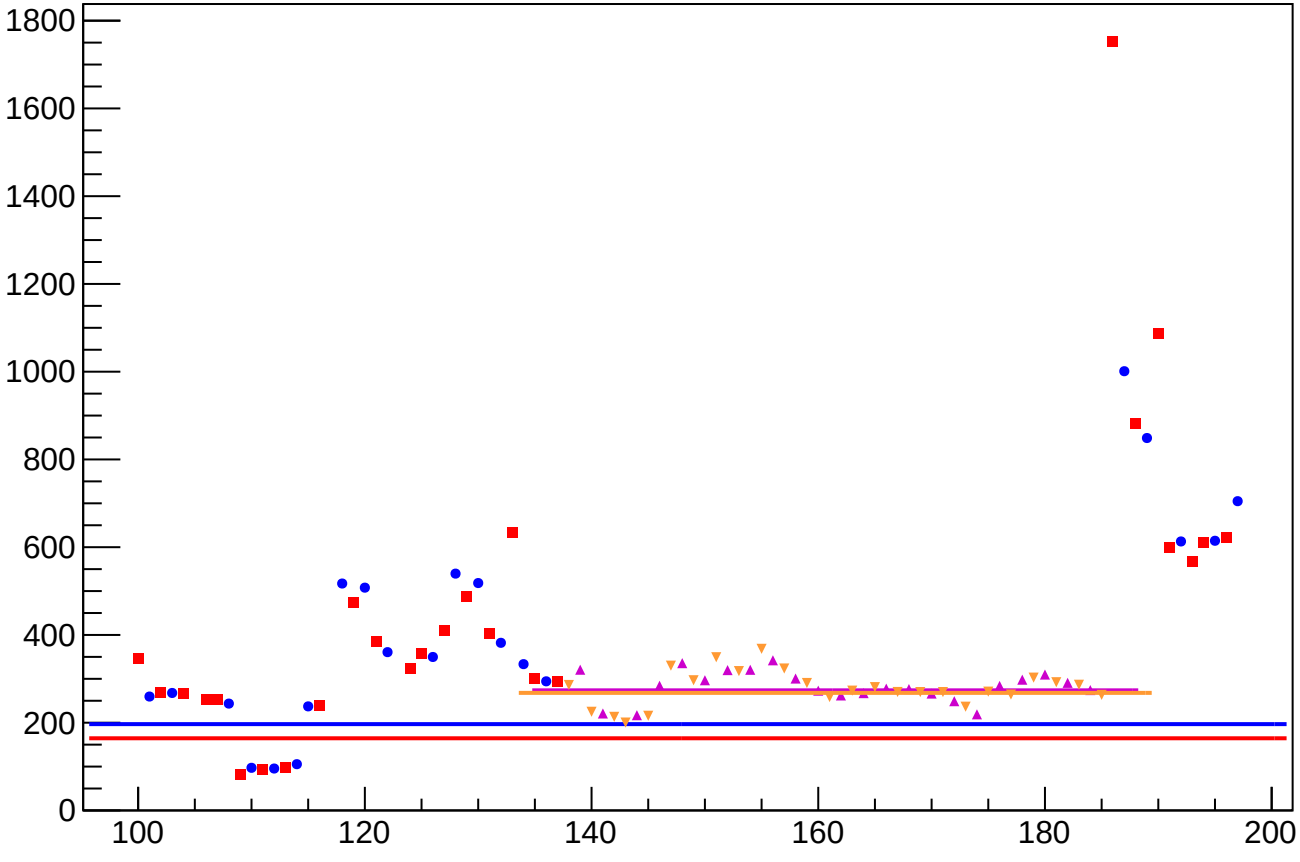
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -209.376+/-48.143 χ^2/NDF: 80.8/45

All: -121.829+/-33.145 χ^2/NDF: 136.2/94

- sign -42.941+/-45.700 χ^2/NDF: 49.2/48

asym_sam8_dit_correction_rms vs Slug



Right In: 196.755+/-0.054 χ^2/NDF: 7988447.8/20

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 164.493+/-0.046 χ^2/NDF: 10593383.7/25

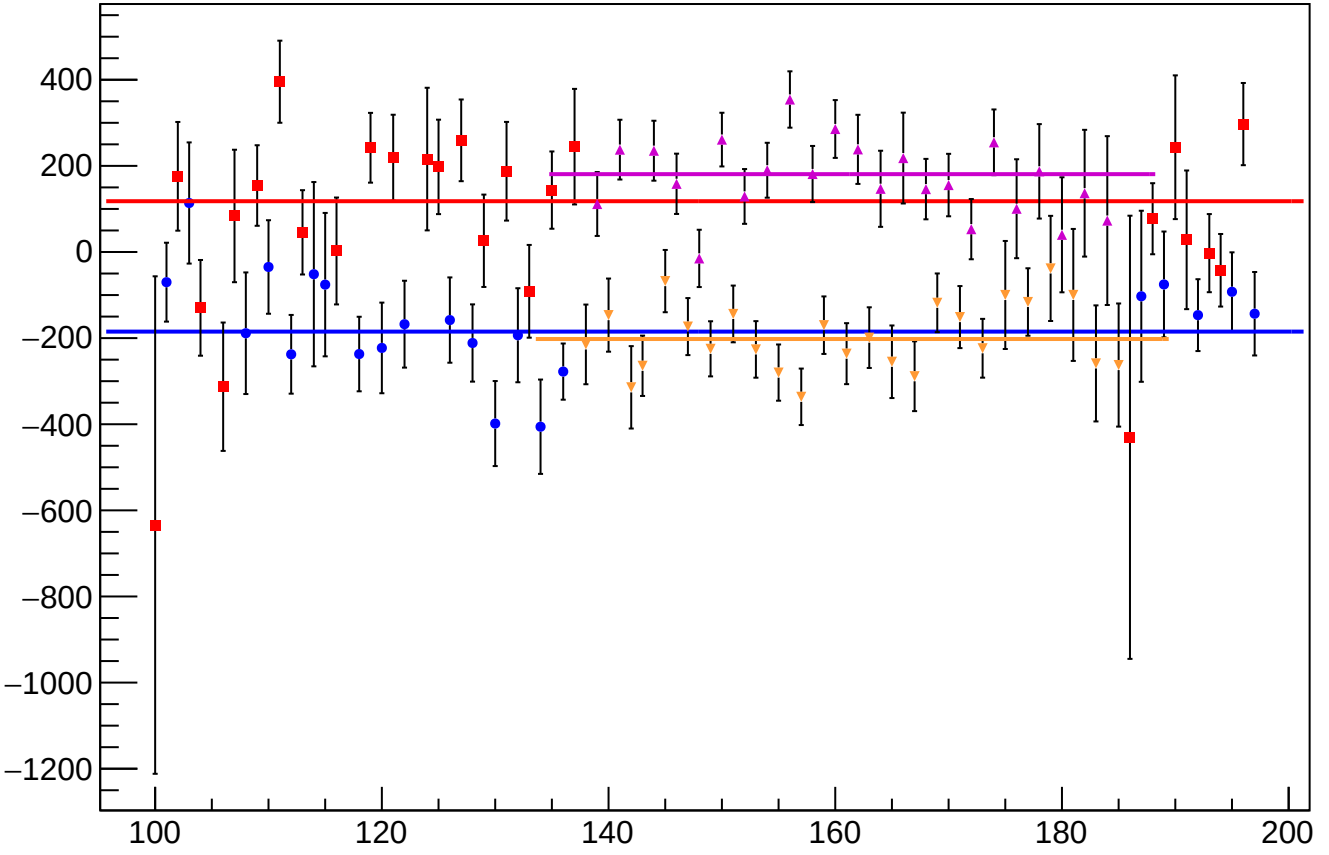
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 240.084+/-0.034 χ^2/NDF: 9894442.3/45

All: 229.052+/-0.023 χ^2/NDF: 24195643.0/94

- sign 219.111+/-0.032 χ^2/NDF: 14101538.5/48

eigen_dit_asym_sam8_mean vs Slug



Right In: -184.870+/-22.384 χ^2/NDF: 23.0/20

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 117.956+/-21.632 χ^2/NDF: 48.8/25

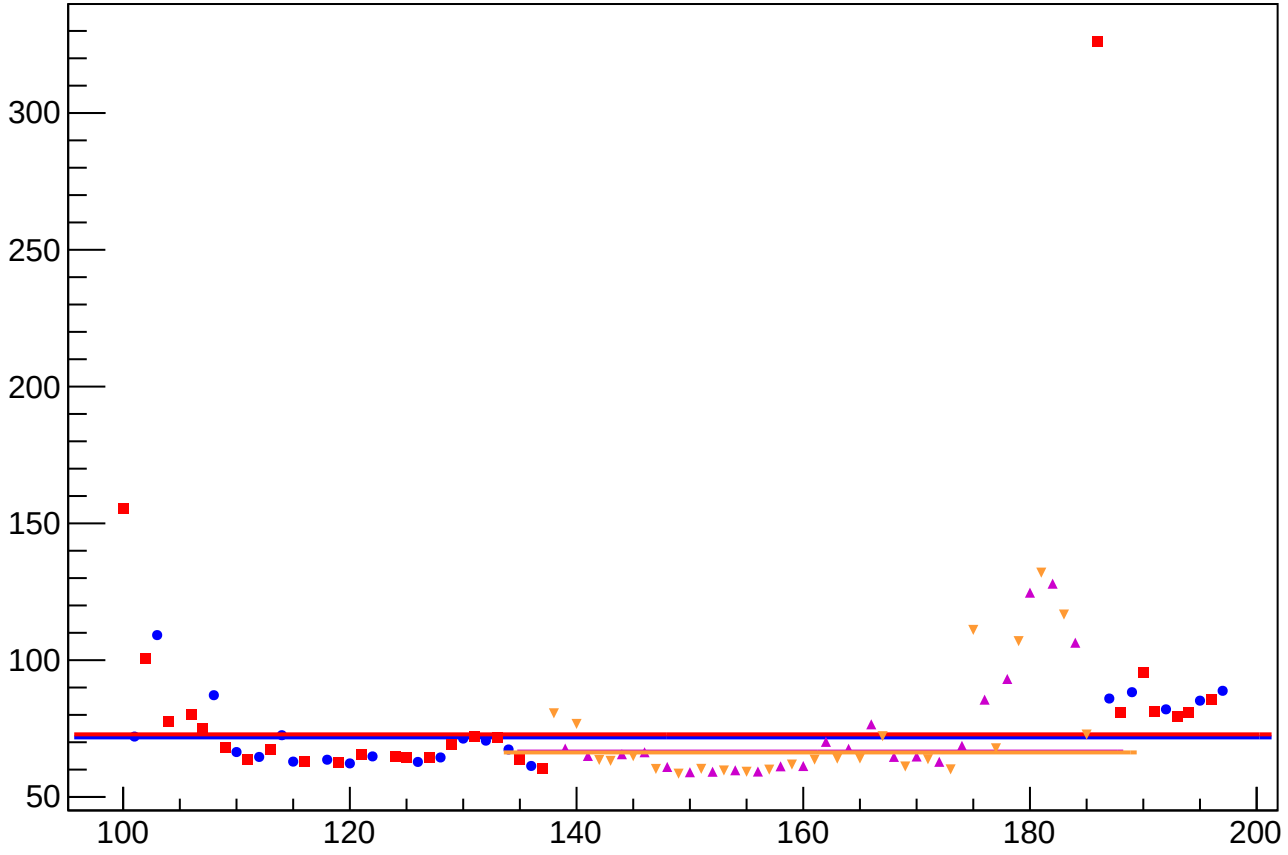
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -196.491+/-12.764 χ^2/NDF: 44.9/45

All: -20.492+/-9.064 χ^2/NDF: 512.8/94

- sign 158.533+/-12.874 χ^2/NDF: 84.4/48

eigen_dit_asym_sam8_rms vs Slug



Right In: 71.776+/-0.016 χ^2/NDF: 497217.3/20

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 72.885+/-0.015 χ^2/NDF: 912577.2/25

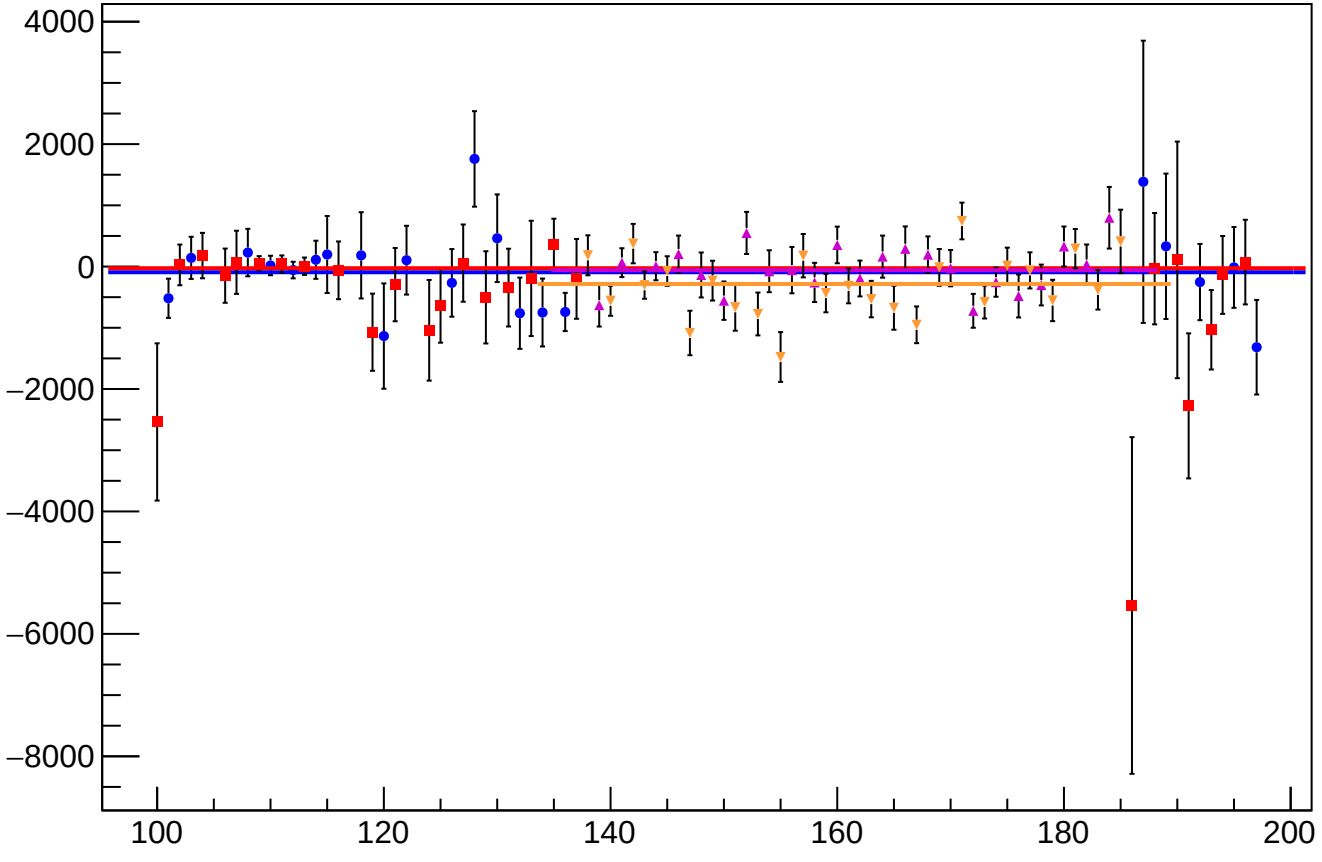
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 68.066+/-0.009 χ^2/NDF: 1972493.7/45

All: 68.438+/-0.006 χ^2/NDF: 4156281.3/94

- sign 68.817+/-0.009 χ^2/NDF: 2180363.1/48

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -92.789+/-76.922 χ^2/NDF: 22.4/20

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -26.728+/-64.623 χ^2/NDF: 22.2/25

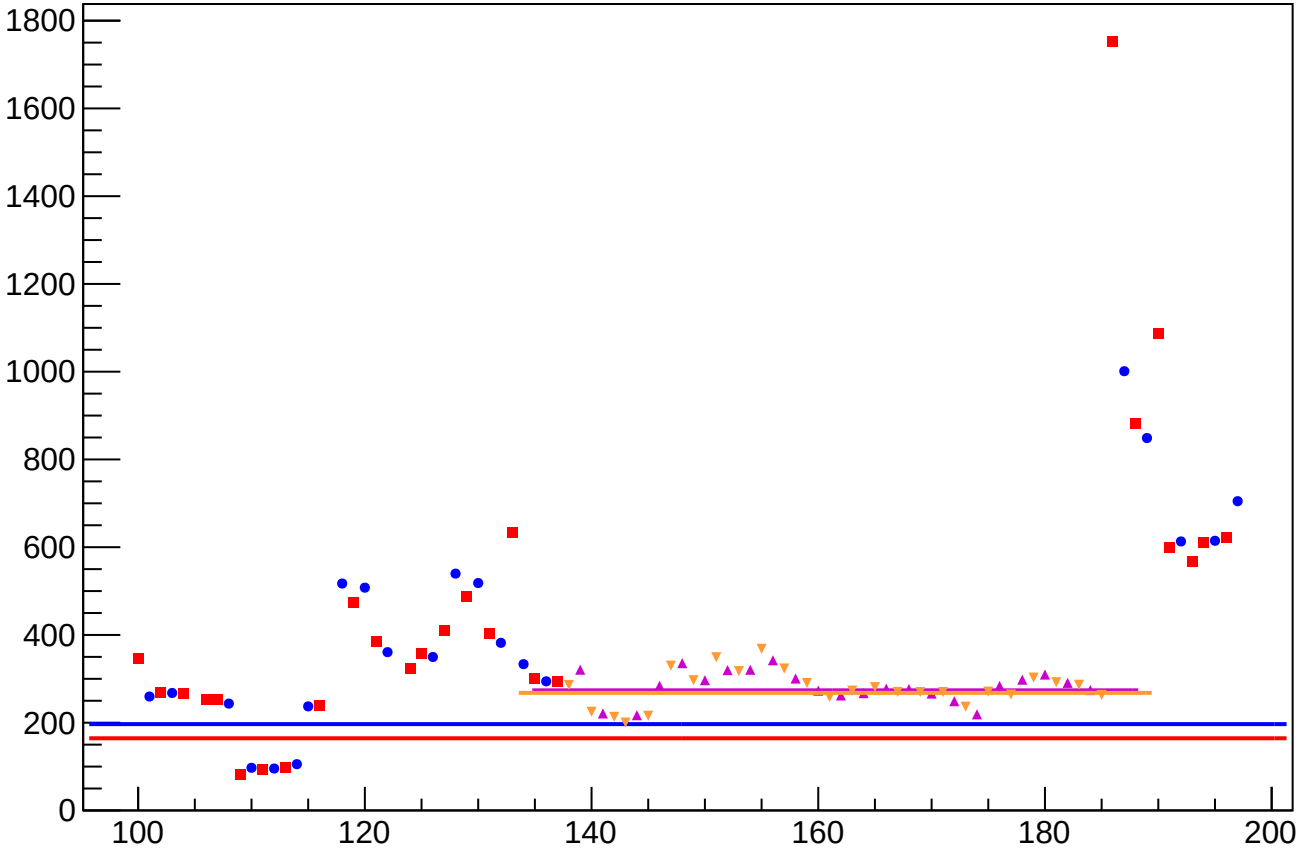
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -209.375+/-48.143 χ^2/NDF: 80.8/45

All: -121.828+/-33.145 χ^2/NDF: 136.2/94

- sign -42.941+/-45.700 χ^2/NDF: 49.2/48

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 196.753+/-0.054 χ^2/NDF: 7988484.7/20

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 164.493+/-0.046 χ^2/NDF: 10593363.8/25

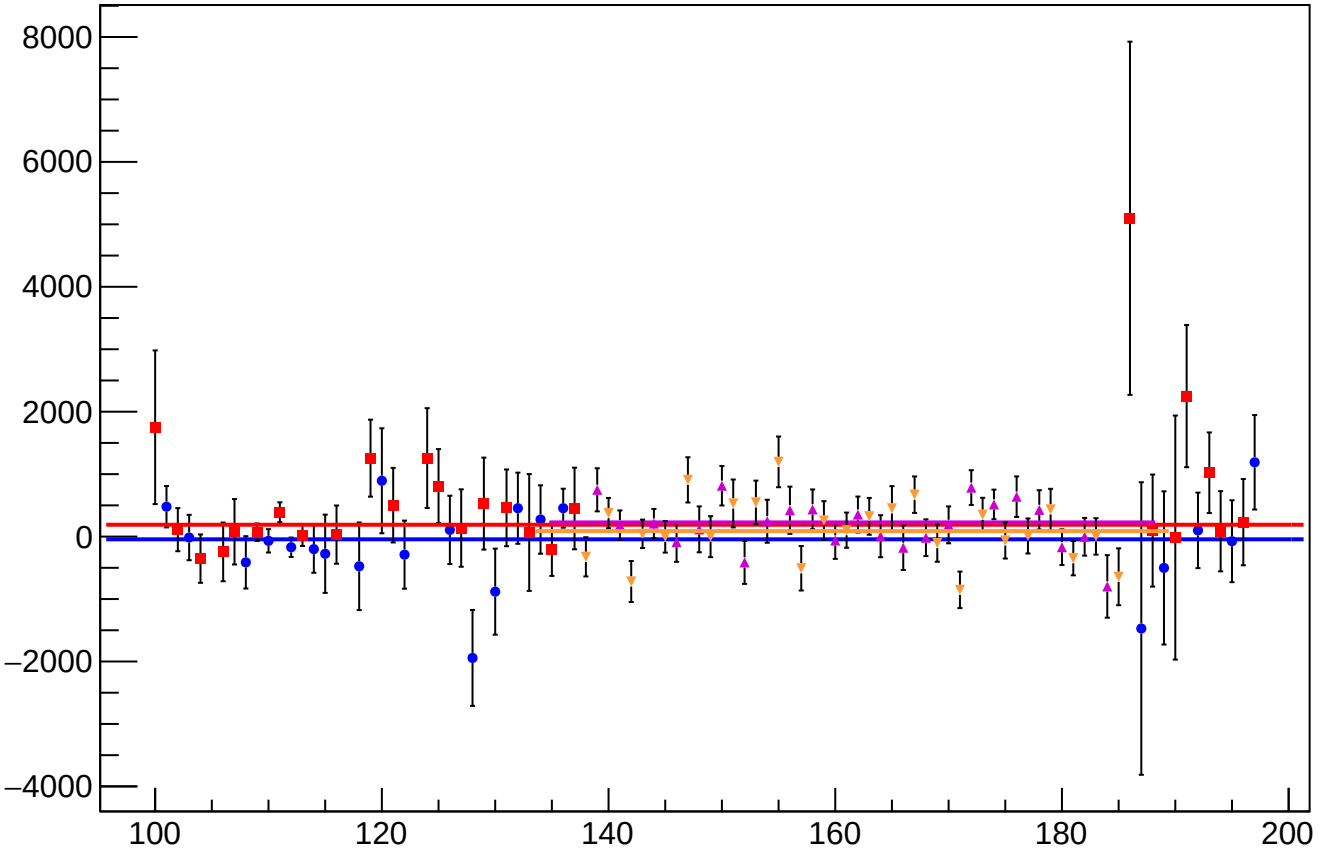
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 240.083+/-0.034 χ^2/NDF: 9894517.5/45

All: 229.051+/-0.023 χ^2/NDF: 24195679.7/94

- sign 219.110+/-0.032 χ^2/NDF: 14101511.0/48

asym_sam8_mean vs Slug



Right In: -43.534+/-84.483 χ^2/NDF: 20.6/20

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 189.834+/-72.735 χ^2/NDF: 23.6/25

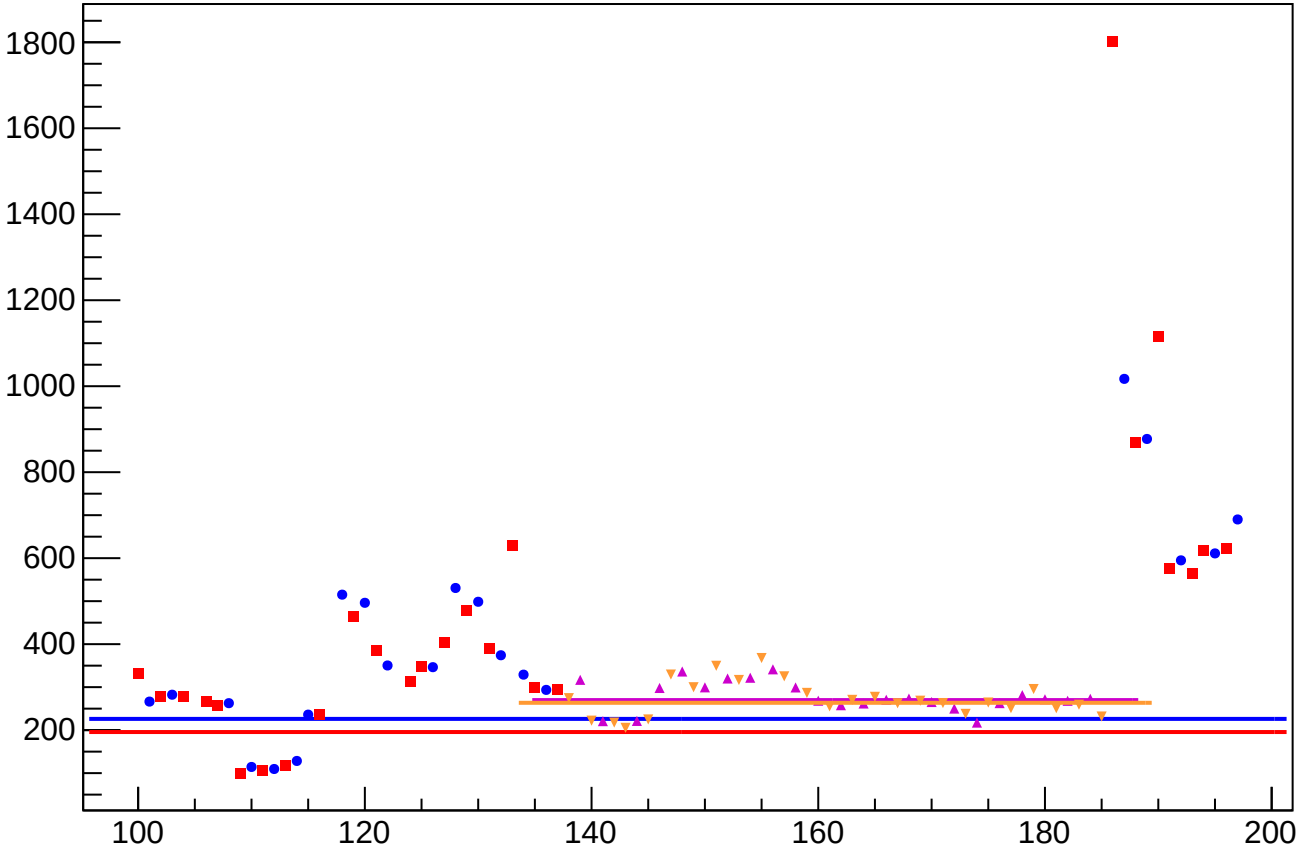
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

\+ sign 43.512+/-49.277 χ^2/NDF: 74.4/45

All: 129.507+/-34.351 χ^2/NDF: 132.9/94

\- sign 210.799+/-47.911 χ^2/NDF: 52.6/48

asym_sam8_rms vs Slug



Right In: 226.156+/-0.060 χ^2/NDF: 6713220.2/20

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

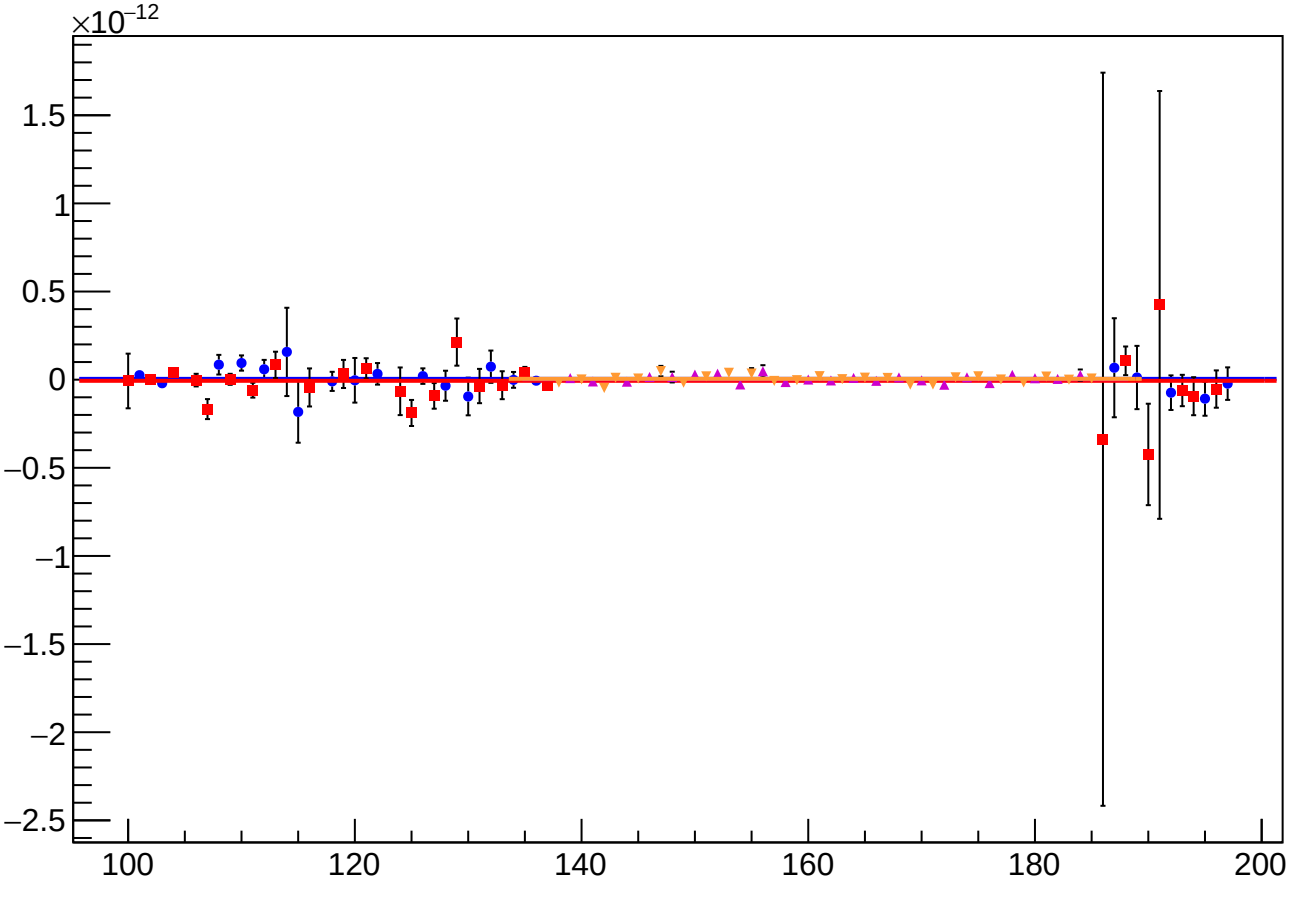
Right Out: 195.589+/-0.051 χ^2/NDF: 9122603.1/25

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 250.856+/-0.035 χ^2/NDF: 7752183.9/45

All: 244.071+/-0.024 χ^2/NDF: 18732537.3/94

- sign 237.656+/-0.034 χ^2/NDF: 10906579.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

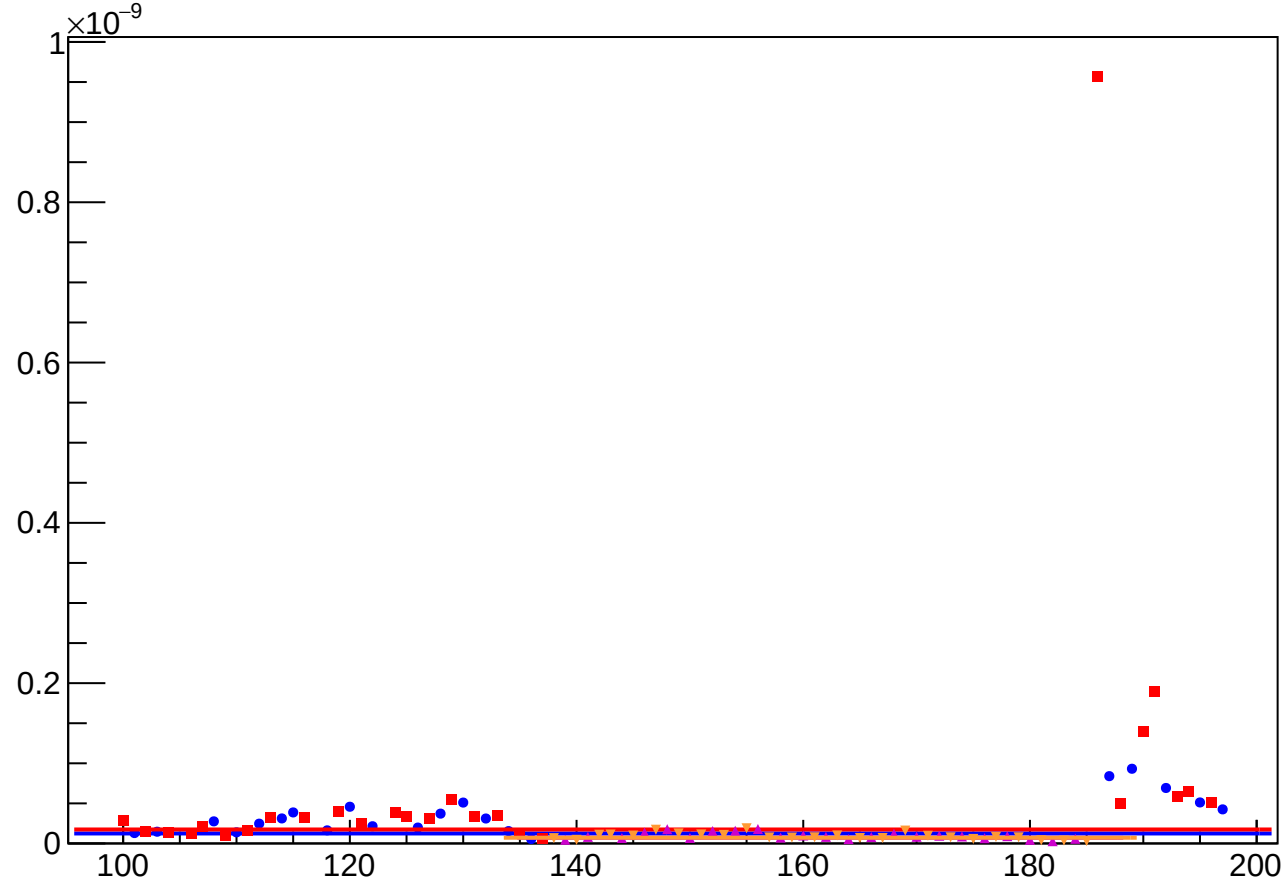
Right Out: -0.000+/-0.000 χ^2/NDF: 36.0/25

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/45

All: 0.000+/-0.000 χ^2/NDF: 102.6/94

- sign 0.000+/-0.000 χ^2/NDF: 58.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 3564428.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3657094.6/25

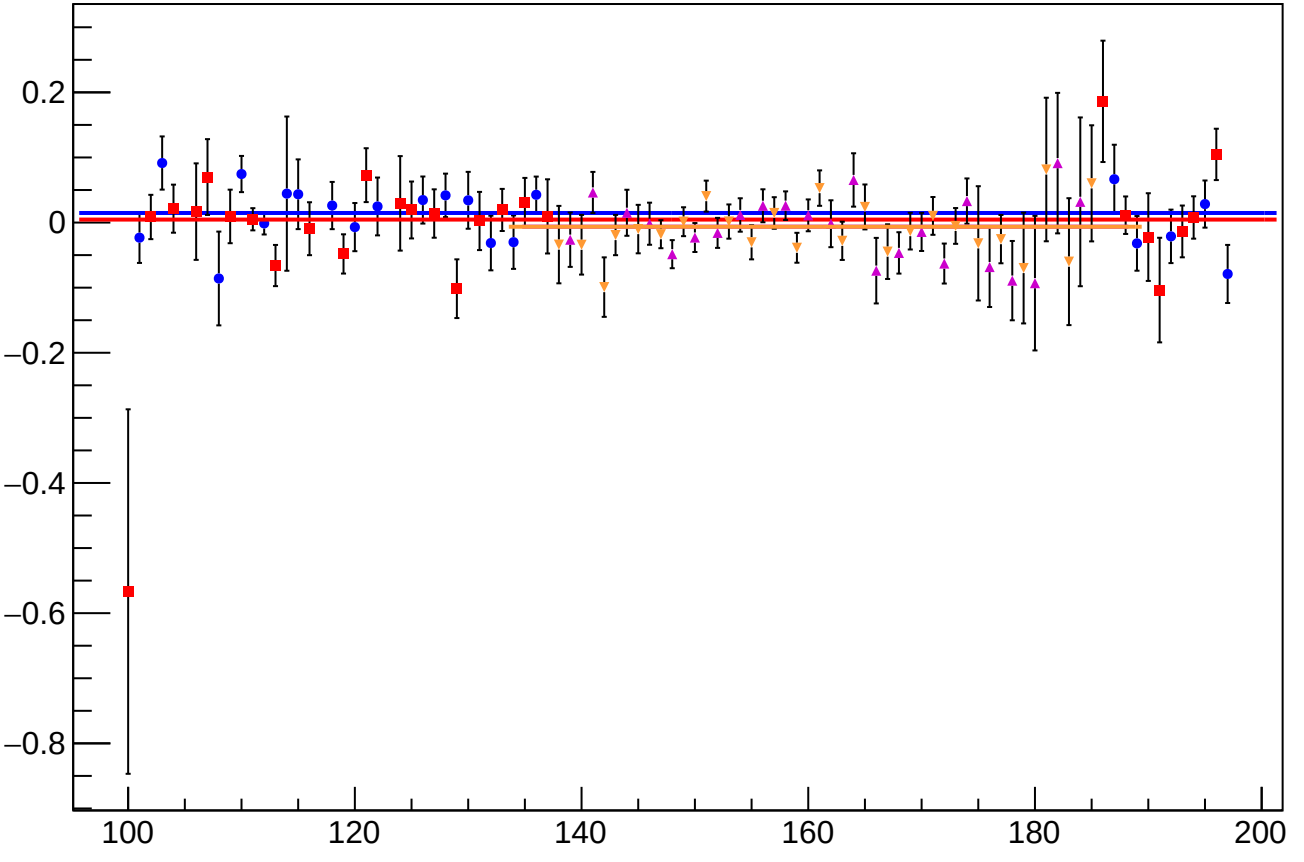
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6264910.7/45

All: 0.000+/-0.000 χ^2/NDF: 13949283.5/94

- sign 0.000+/-0.000 χ^2/NDF: 7677528.9/48

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.008 χ^2/NDF: 24.9/20

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.008 χ^2/NDF: 35.6/25

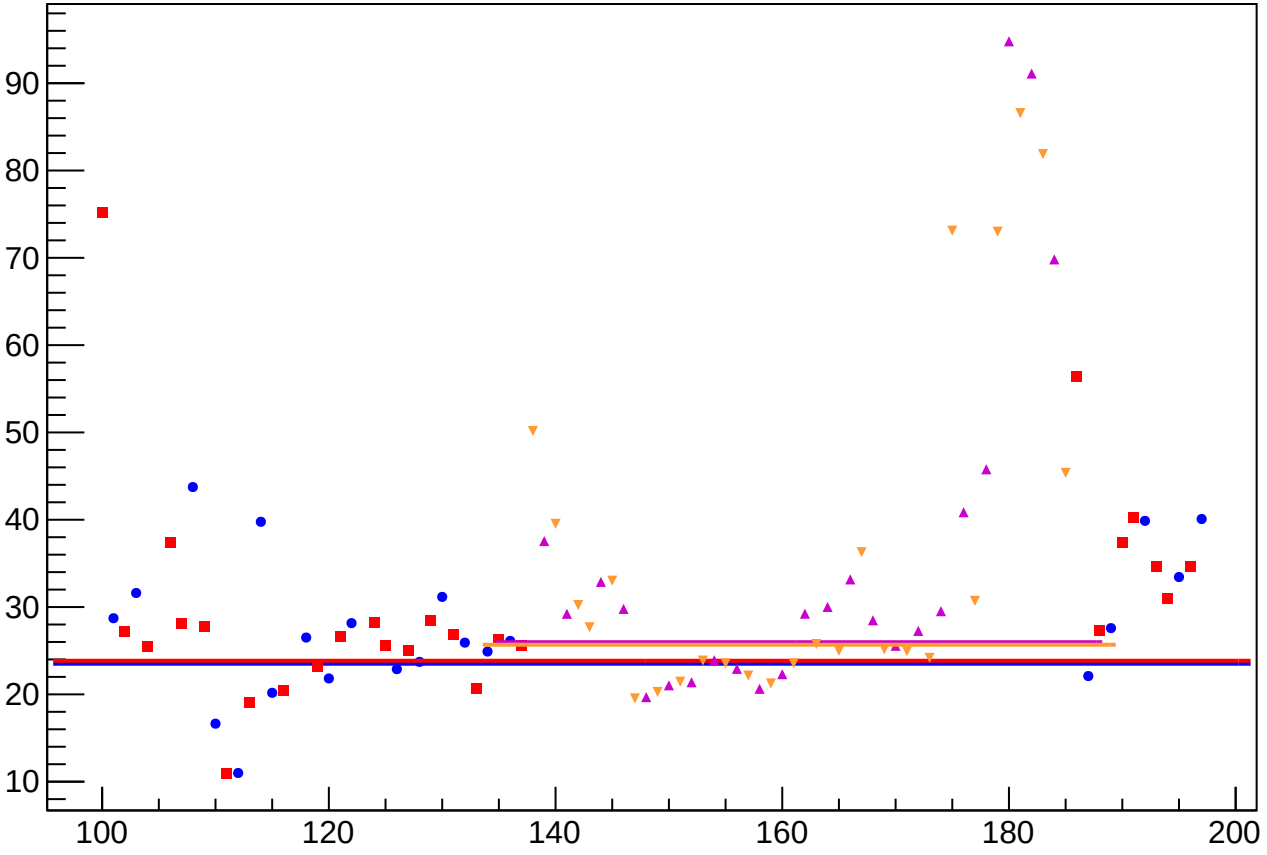
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.7/45

All: 0.000+/-0.004 χ^2/NDF: 117.2/94

- sign -0.002+/-0.005 χ^2/NDF: 65.2/48

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 23.511+/-0.006 χ^2/NDF: 2418001.0/20

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

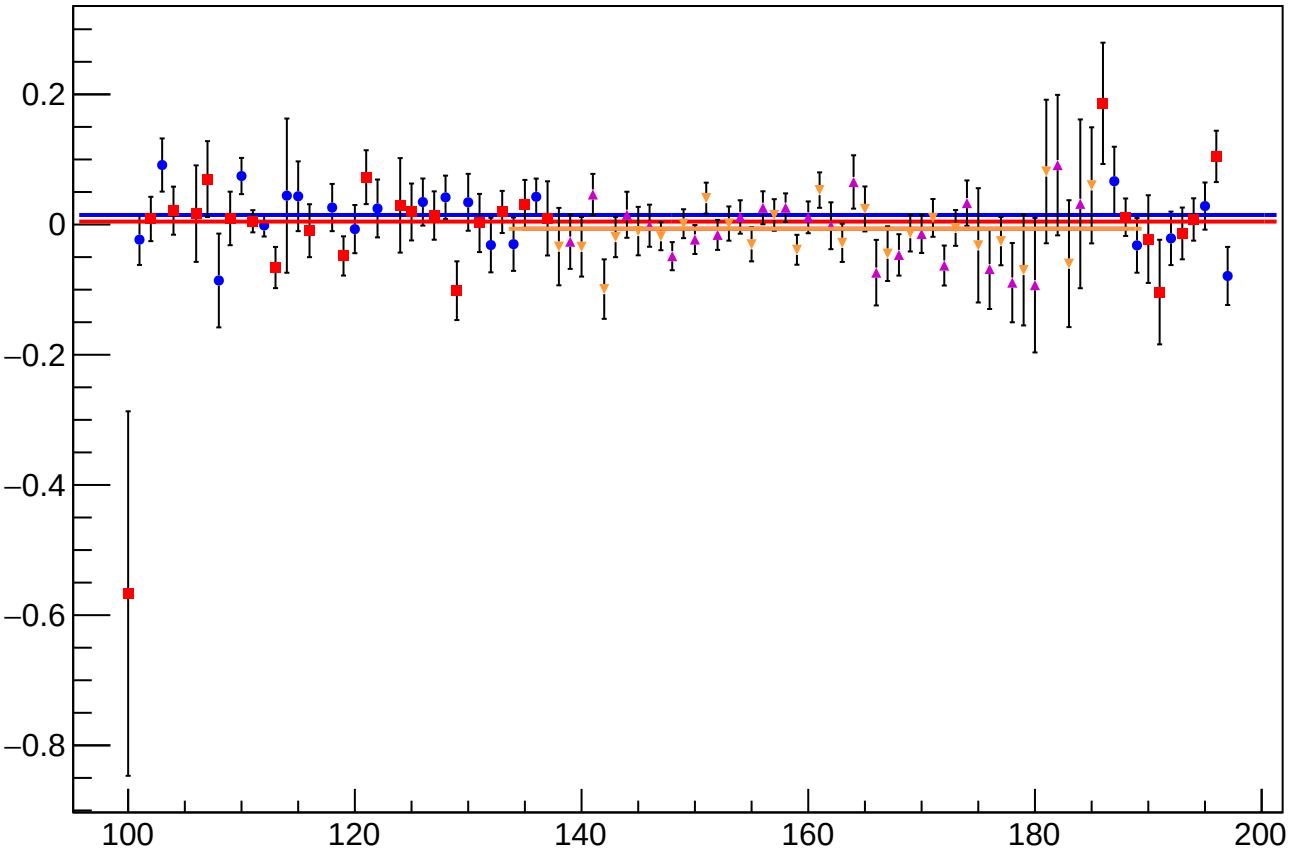
Right Out: 23.849+/-0.005 χ^2/NDF: 2311358.1/25

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.824+/-0.004 χ^2/NDF: 6381113.9/45

All: 24.933+/-0.002 χ^2/NDF: 11902558.7/94

- sign 25.043+/-0.004 χ^2/NDF: 5519505.5/48



Right In: 0.015+/-0.008 χ^2/NDF: 24.9/20

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.008 χ^2/NDF: 35.6/25

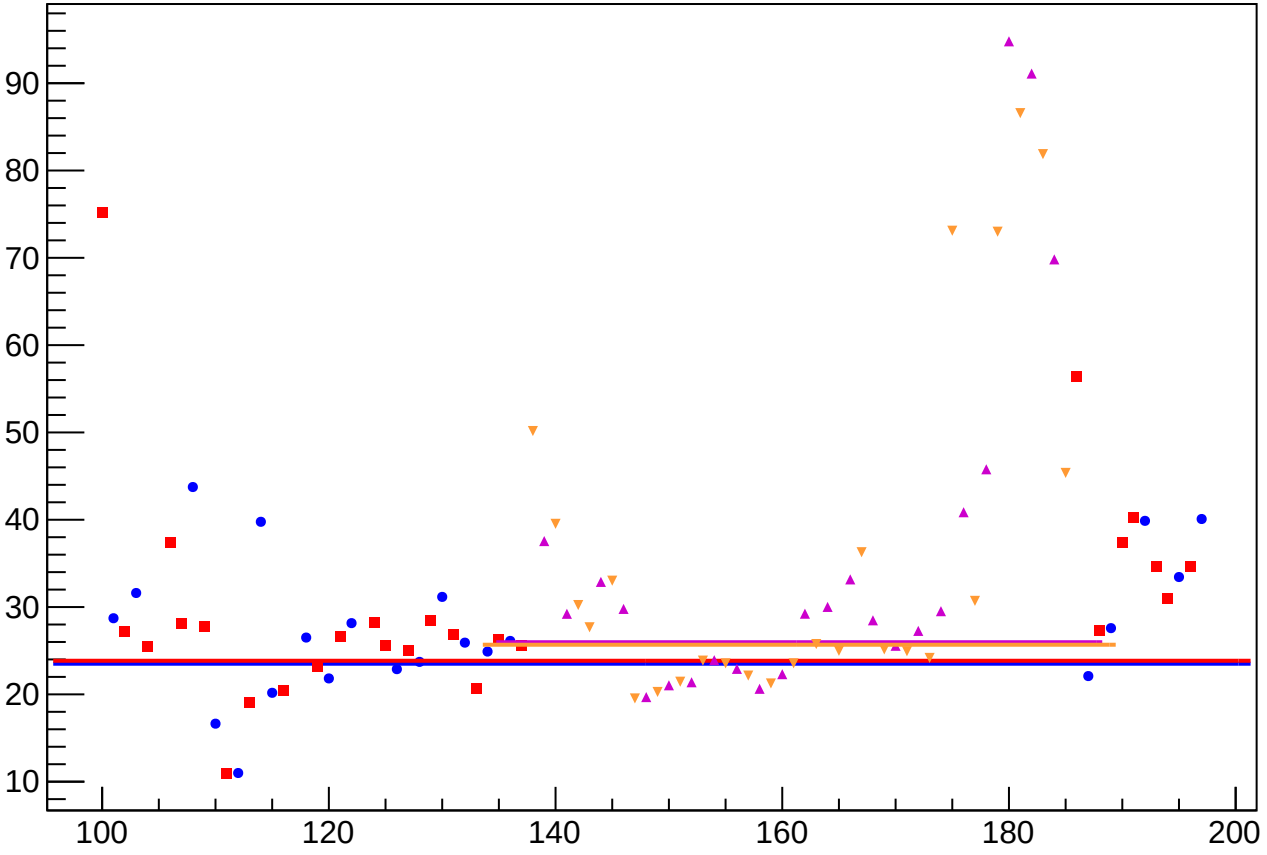
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.7/45

All: 0.000+/-0.004 χ^2/NDF: 117.2/94

- sign -0.002+/-0.005 χ^2/NDF: 65.2/48

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.511+/-0.006 χ^2/NDF: 2418001.0/20

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

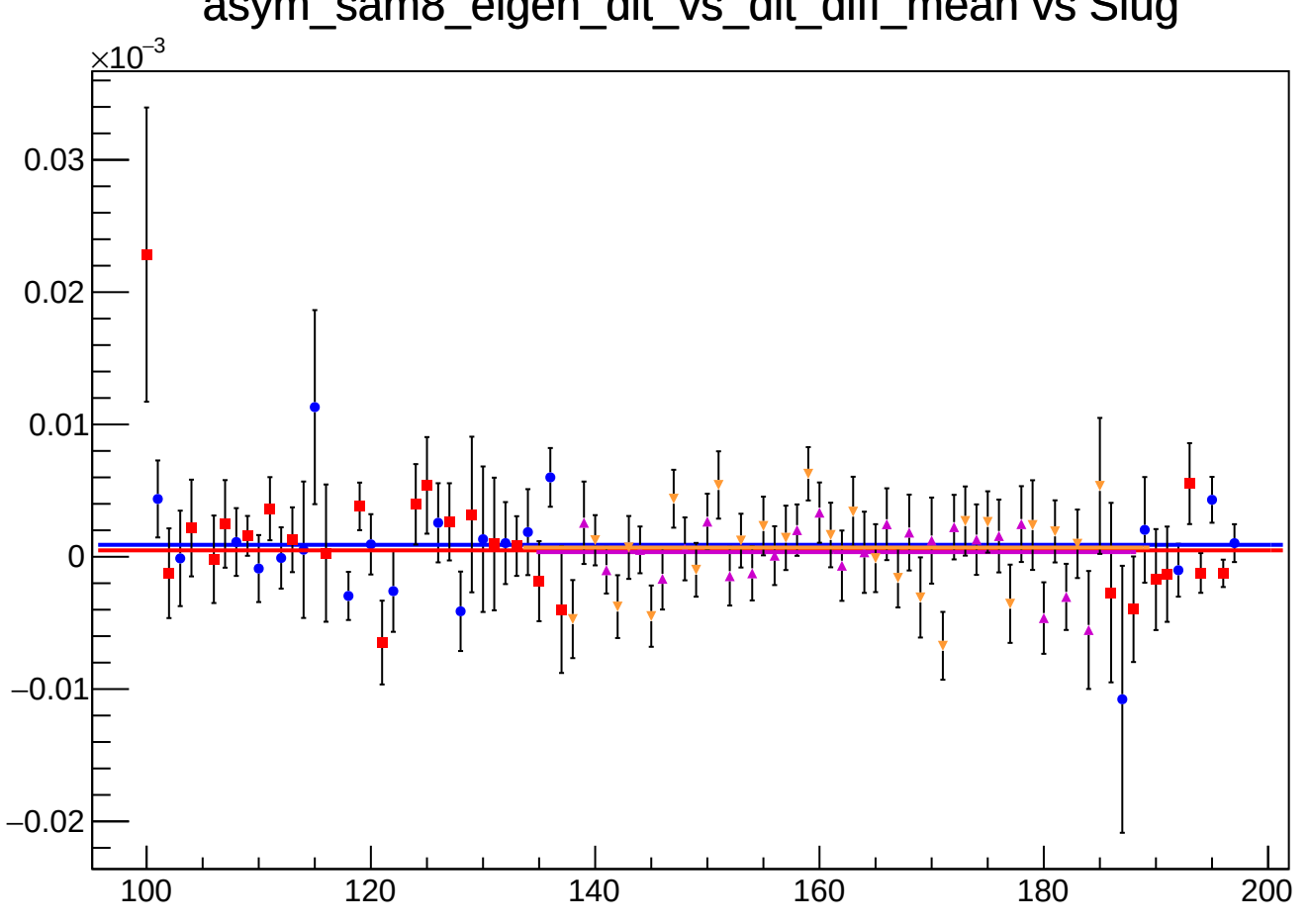
Right Out: 23.849+/-0.005 χ^2/NDF: 2311358.1/25

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.824+/-0.004 χ^2/NDF: 6381113.9/45

All: 24.933+/-0.002 χ^2/NDF: 11902558.7/94

- sign 25.043+/-0.004 χ^2/NDF: 5519505.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/25

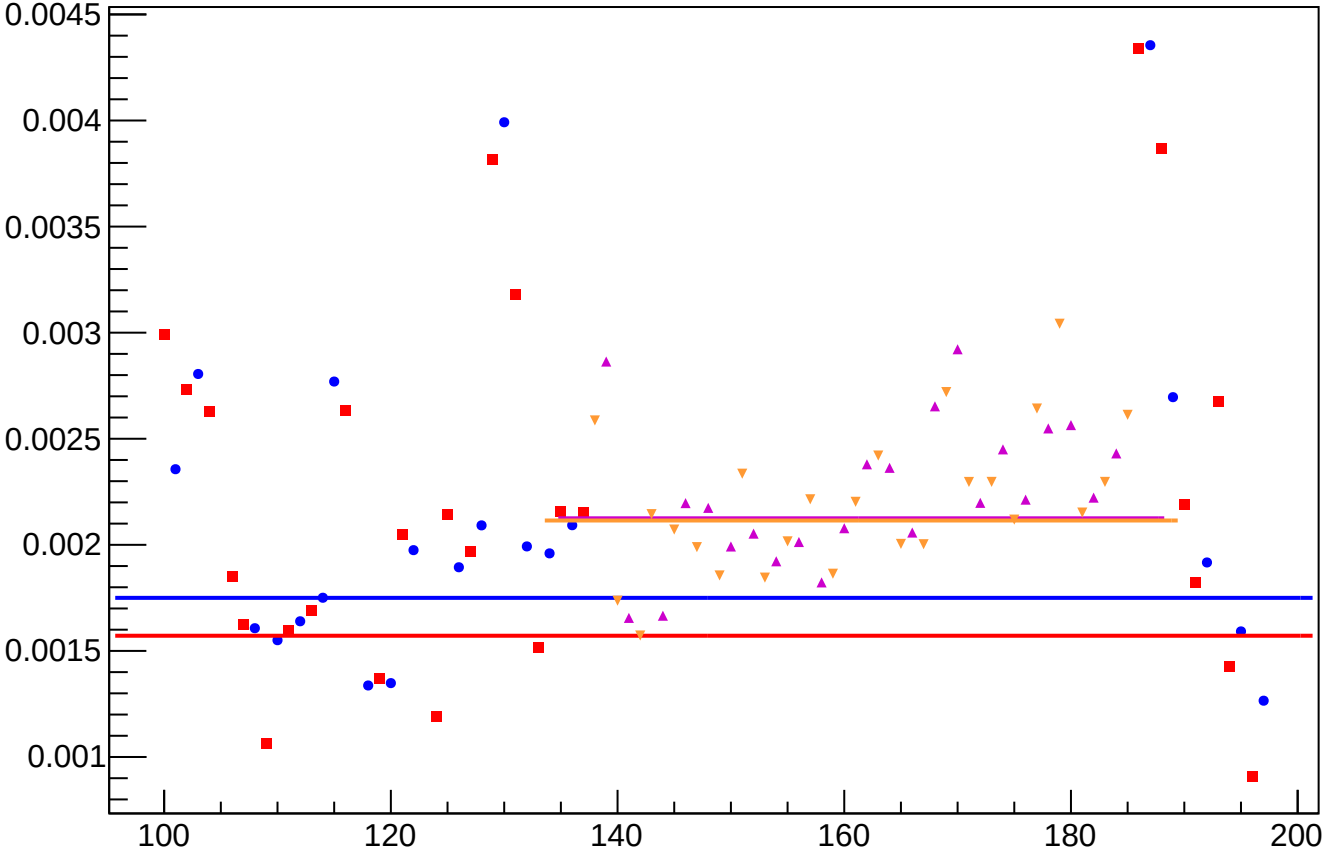
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.1/45

All: 0.000+/-0.000 χ^2/NDF: 115.9/94

- sign 0.000+/-0.000 χ^2/NDF: 46.2/48

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1432490.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

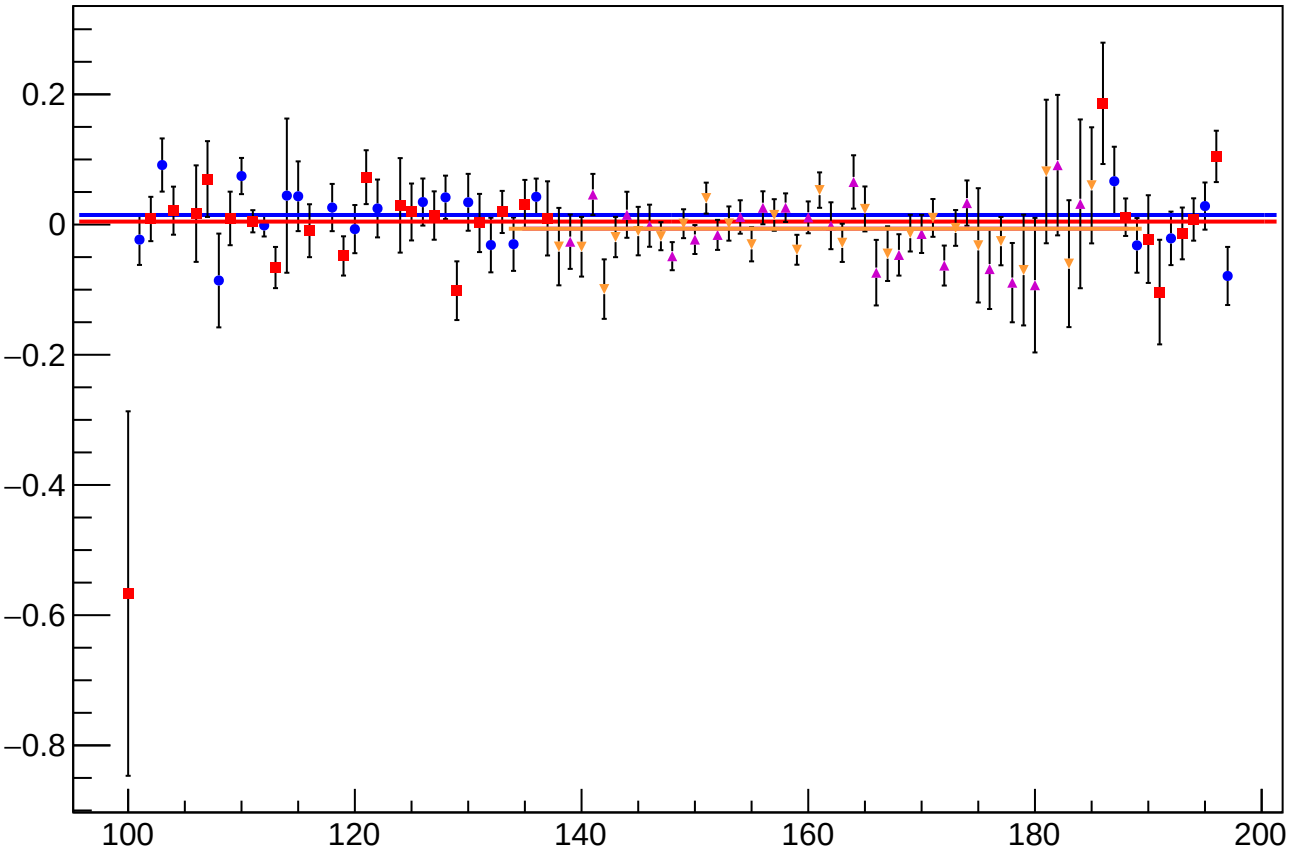
Right Out: 0.002+/-0.000 χ^2/NDF: 3719287.9/25

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 2655741.4/45

All: 0.002+/-0.000 χ^2/NDF: 8530772.5/94

- sign 0.002+/-0.000 χ^2/NDF: 5776599.6/48



Right In: 0.015+/-0.008 χ^2/NDF: 24.9/20

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.008 χ^2/NDF: 35.6/25

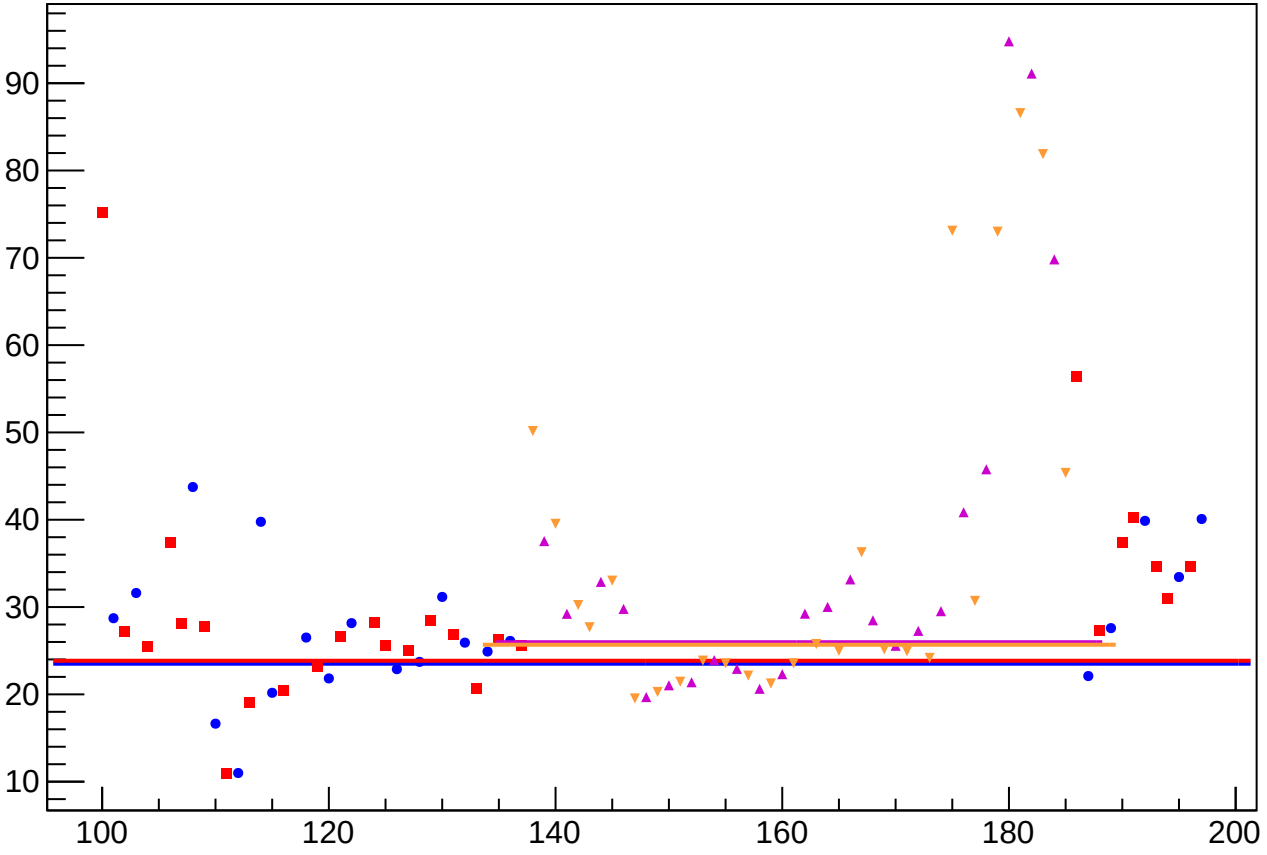
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.7/45

All: 0.000+/-0.004 χ^2/NDF: 117.2/94

- sign -0.002+/-0.005 χ^2/NDF: 65.2/48

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.510+/-0.006 χ^2/NDF: 2418201.3/20

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

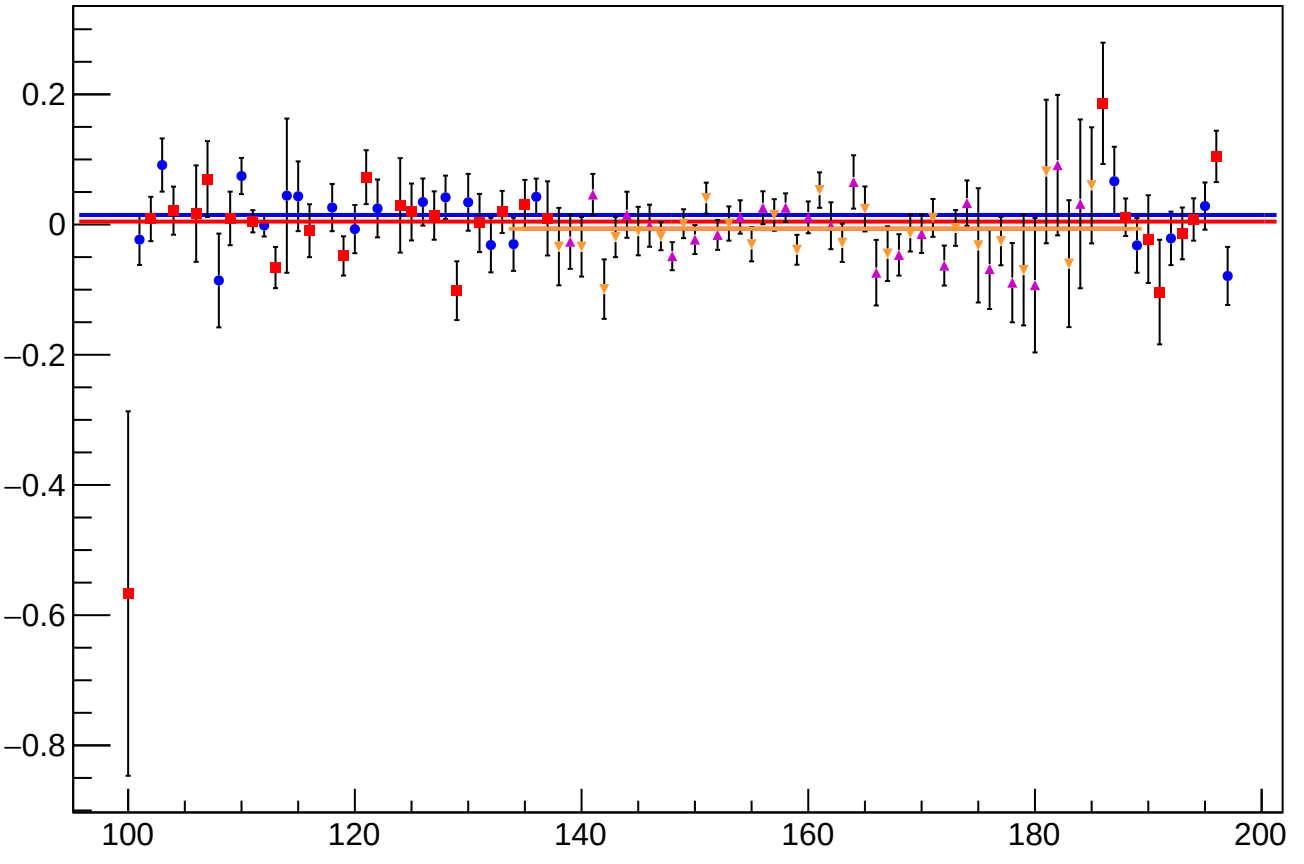
Right Out: 23.849+/-0.005 χ^2/NDF: 2311551.2/25

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.824+/-0.004 χ^2/NDF: 6381375.6/45

All: 24.933+/-0.002 χ^2/NDF: 11903060.6/94

- sign 25.042+/-0.004 χ^2/NDF: 5519746.5/48



Right In: 0.015+/-0.008 χ^2/NDF: 24.9/20

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

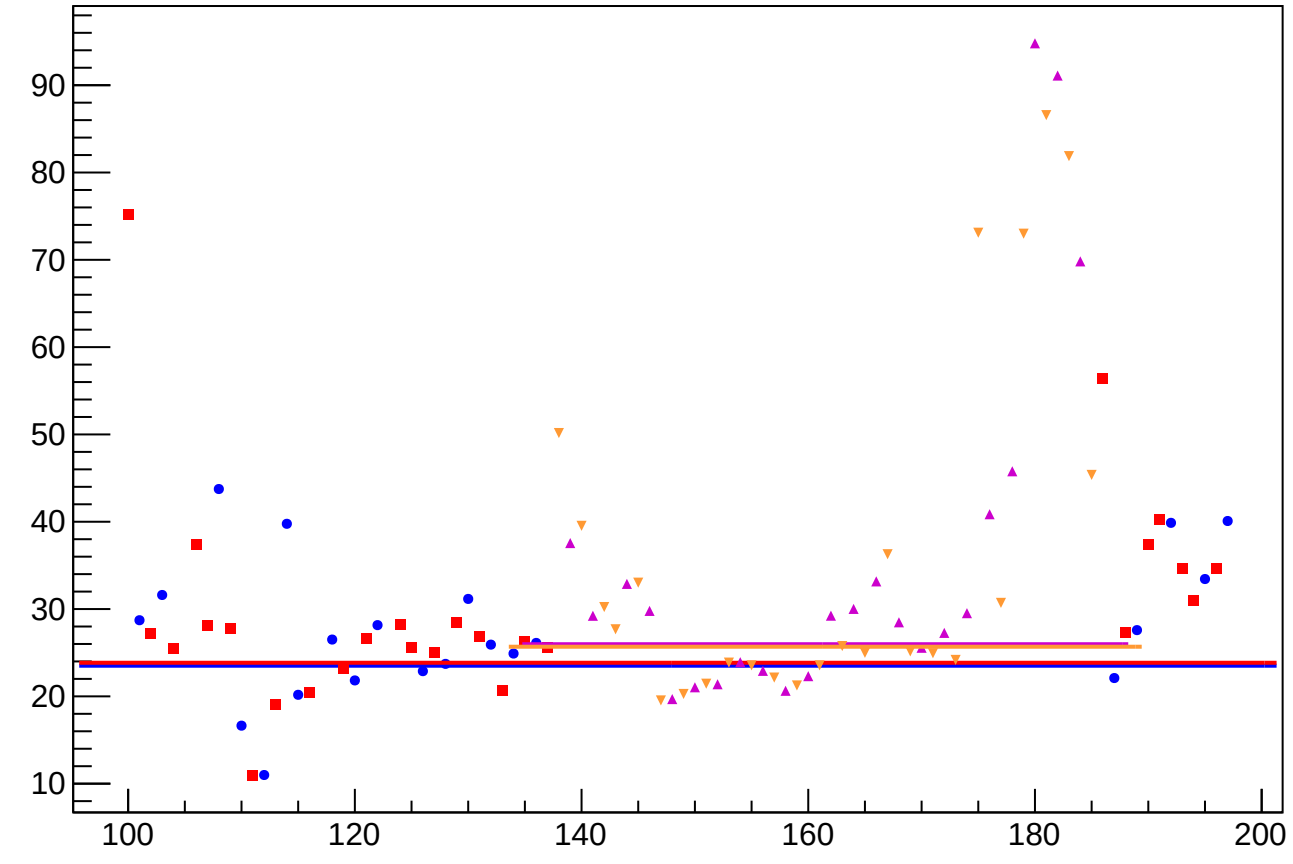
Right Out: 0.005+/-0.008 χ^2/NDF: 35.6/25

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 51.7/45

All: 0.000+/-0.004 χ^2/NDF: 117.2/94

- sign -0.002+/-0.005 χ^2/NDF: 65.2/48



Right In: 23.510+/-0.006 χ^2/NDF: 2418201.3/20

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

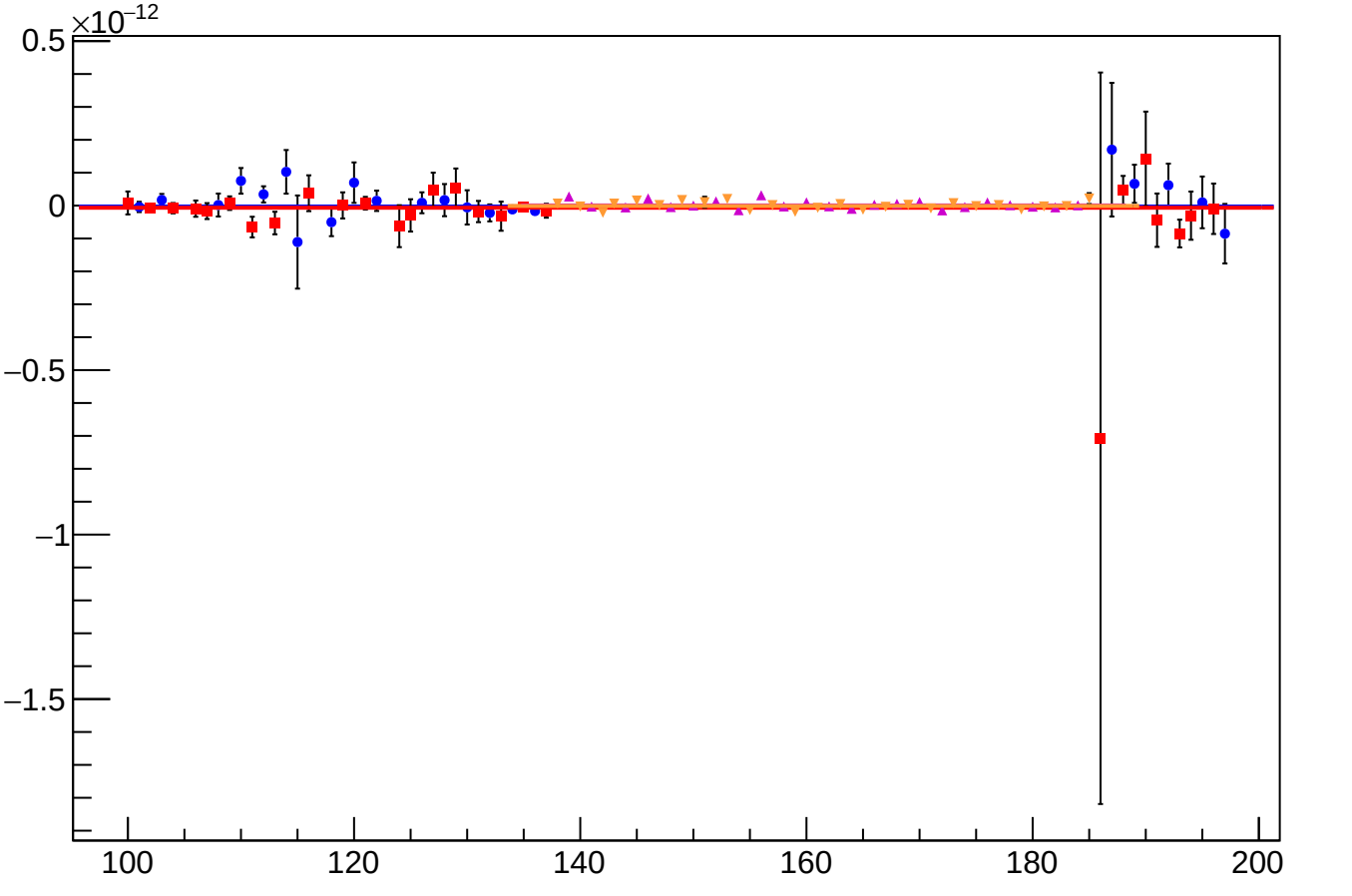
Right Out: 23.849+/-0.005 χ^2/NDF: 2311551.2/25

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.824+/-0.004 χ^2/NDF: 6381375.6/45

All: 24.933+/-0.002 χ^2/NDF: 11903060.6/94

- sign 25.042+/-0.004 χ^2/NDF: 5519746.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

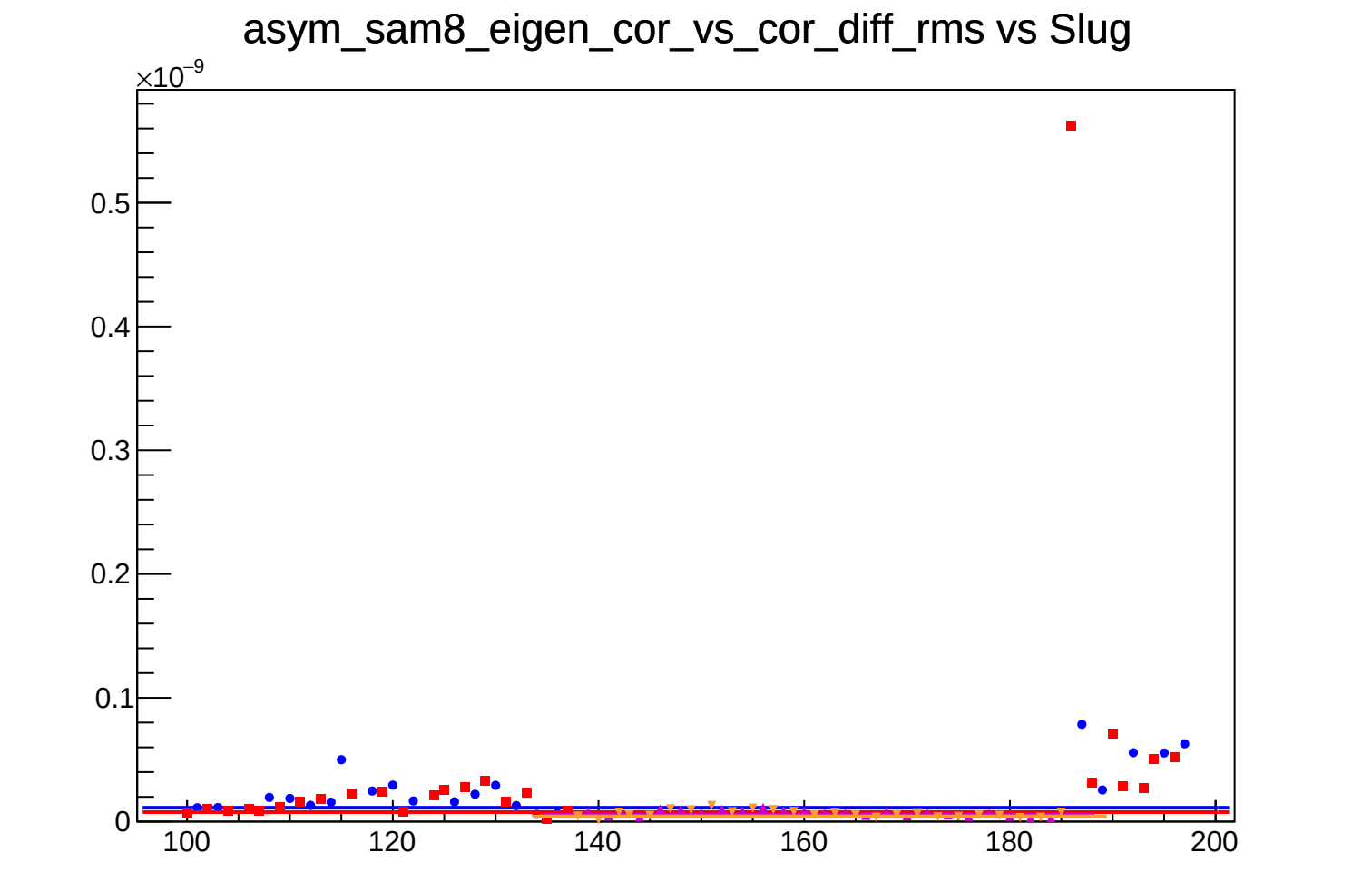
Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/25

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.1/45

All: -0.000+/-0.000 χ^2/NDF: 100.1/94

- sign -0.000+/-0.000 χ^2/NDF: 49.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 4550589.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7460965.9/25

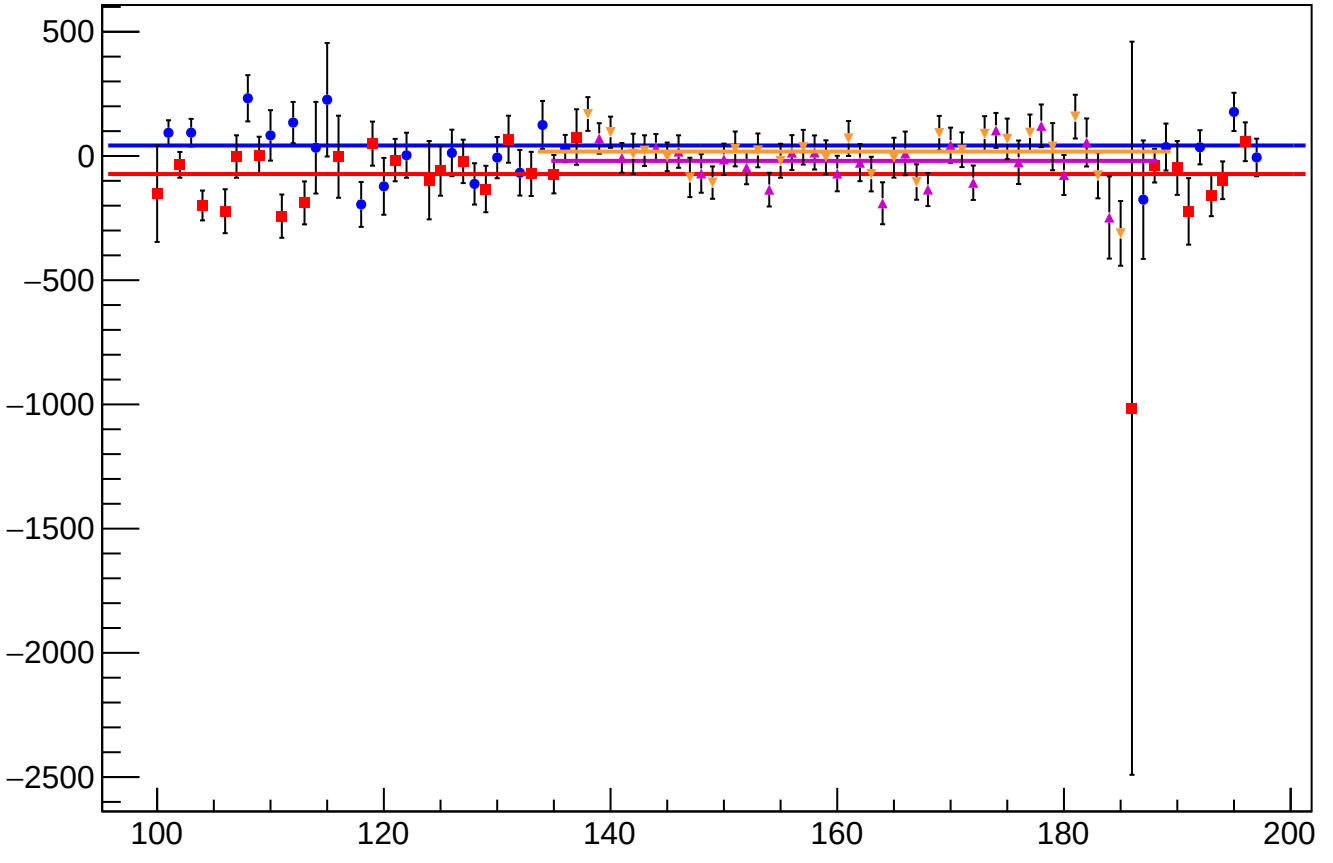
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13035544.6/45

All: 0.000+/-0.000 χ^2/NDF: 24302303.1/94

- sign 0.000+/-0.000 χ^2/NDF: 10736590.1/48

reg_asym_sam_15_avg_mean vs Slug



Right In: 42.264+/-18.006 χ^2/NDF: 27.7/20

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -72.583+/-17.166 χ^2/NDF: 28.4/25

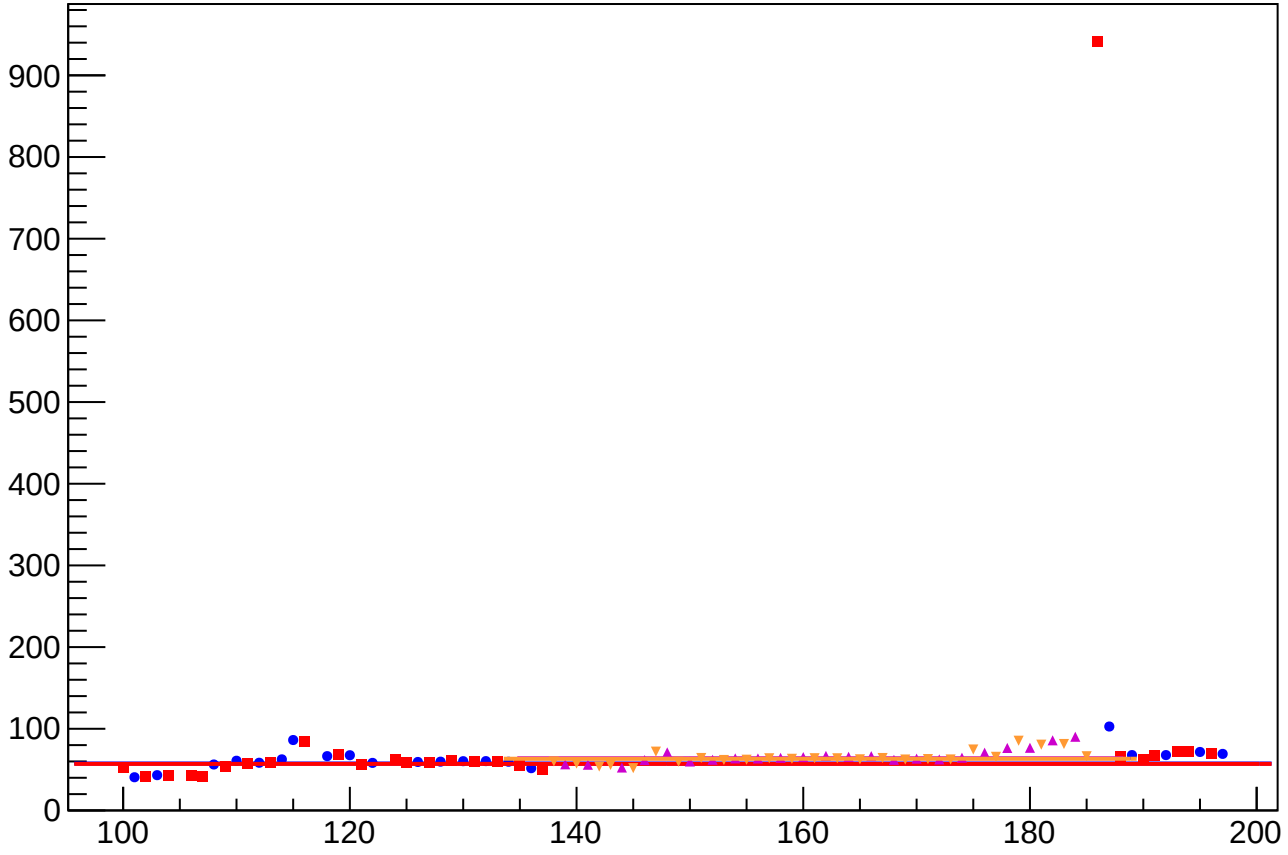
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 27.420+/-11.291 χ^2/NDF: 60.4/45

All: -7.541+/-7.992 χ^2/NDF: 139.6/94

- sign -42.633+/-11.312 χ^2/NDF: 60.0/48

reg_asym_sam_15_avg_rms vs Slug



Right In: 57.485+/-0.013 χ^2/NDF: 711278.2/20

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 56.998+/-0.012 χ^2/NDF: 1492877.5/25

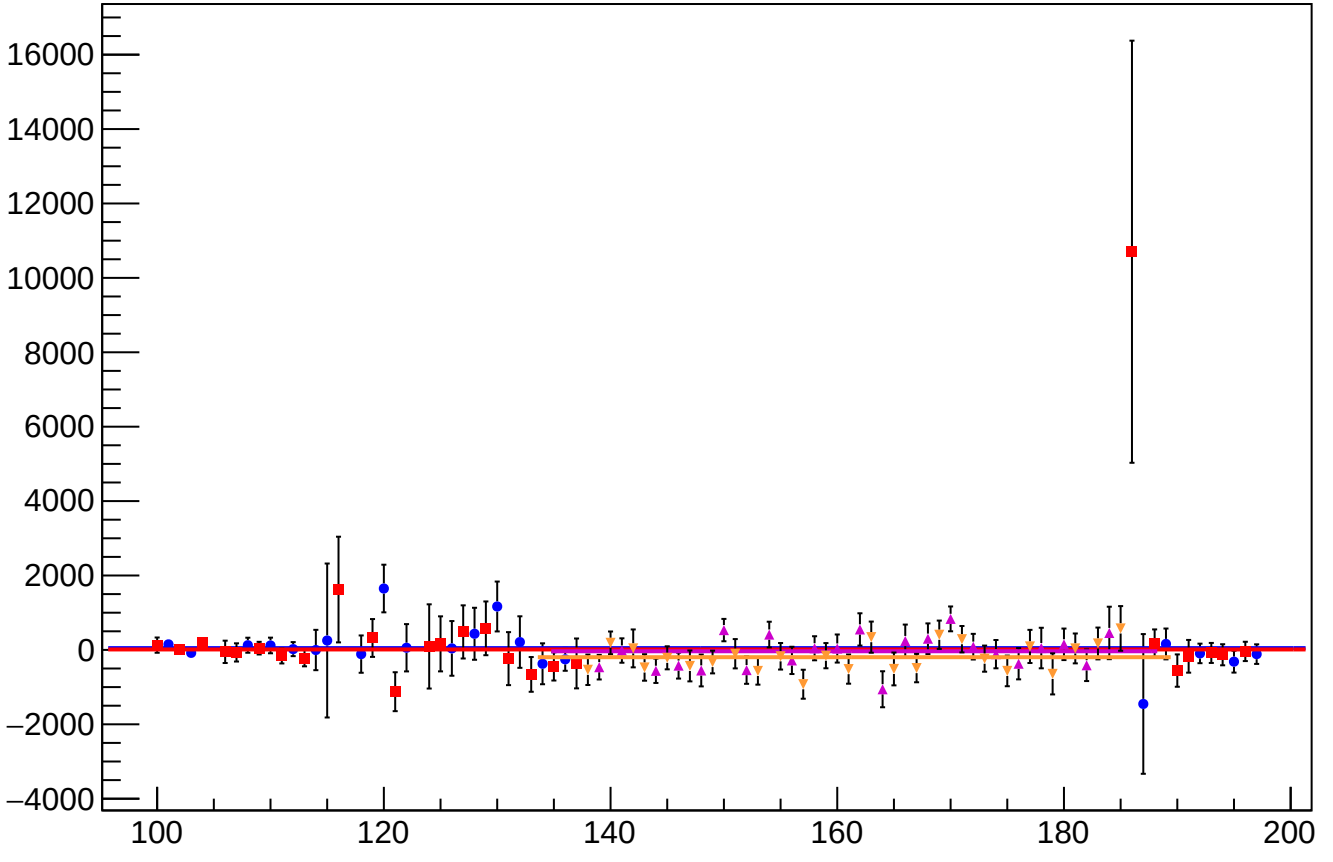
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.021+/-0.008 χ^2/NDF: 1335813.1/45

All: 60.967+/-0.006 χ^2/NDF: 3457954.4/94

- sign 60.913+/-0.008 χ^2/NDF: 2122050.0/48

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 47.733+/-44.300 χ^2/NDF: 18.8/20

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 12.096+/-46.915 χ^2/NDF: 24.2/25

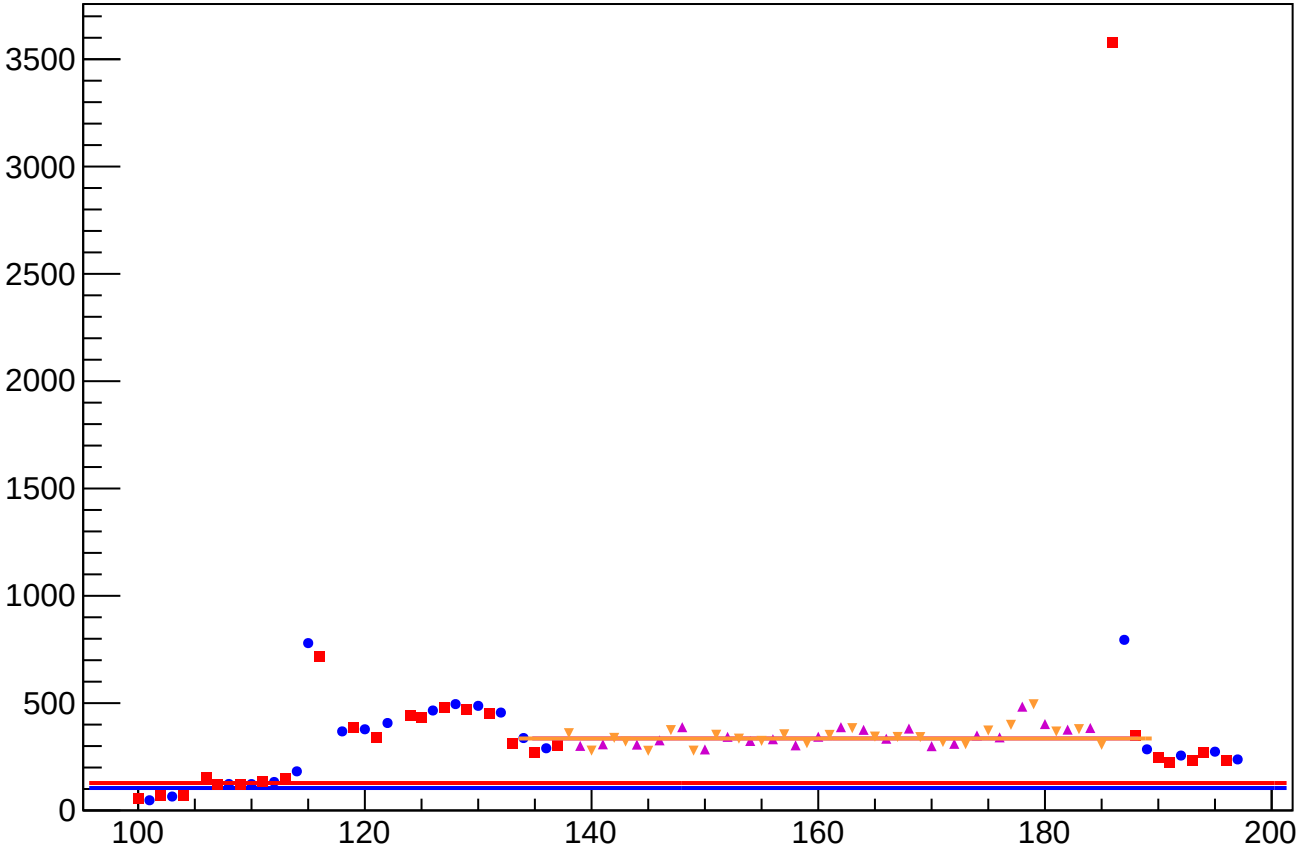
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -12.763+/-38.410 χ^2/NDF: 46.9/45

All: -6.937+/-27.826 χ^2/NDF: 102.5/94

- sign -0.502+/-40.366 χ^2/NDF: 55.5/48

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 104.484+/-0.031 χ^2/NDF: 9370126.7/20

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 127.787+/-0.033 χ^2/NDF: 8513419.9/25

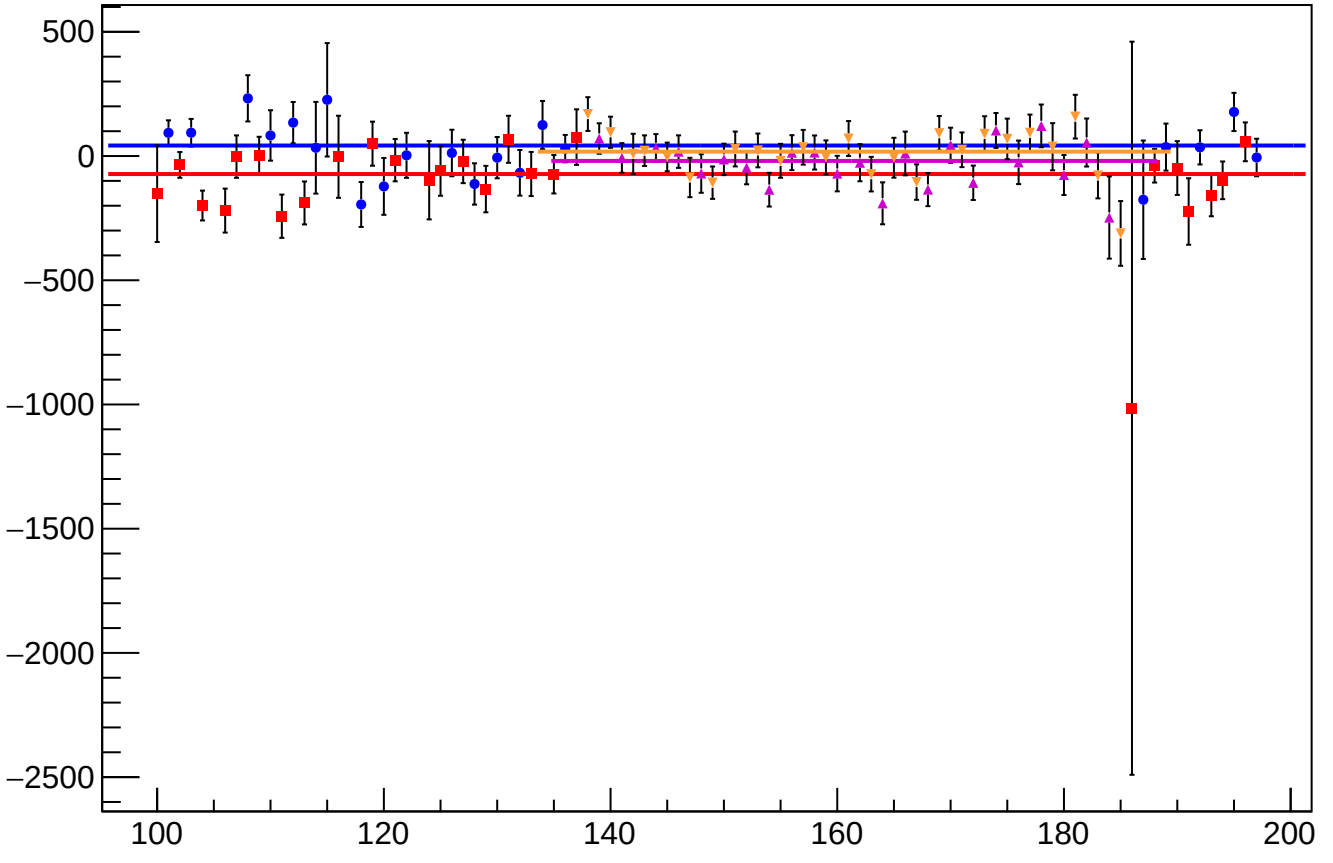
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 161.779+/-0.027 χ^2/NDF: 23409394.8/45

All: 171.263+/-0.020 χ^2/NDF: 42858515.0/94

- sign 181.736+/-0.029 χ^2/NDF: 19192554.2/48

cor_asym_sam_15_avg_mean vs Slug



Right In: 42.274+/-18.006 χ^2/NDF: 27.7/20

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -72.481+/-17.167 χ^2/NDF: 28.3/25

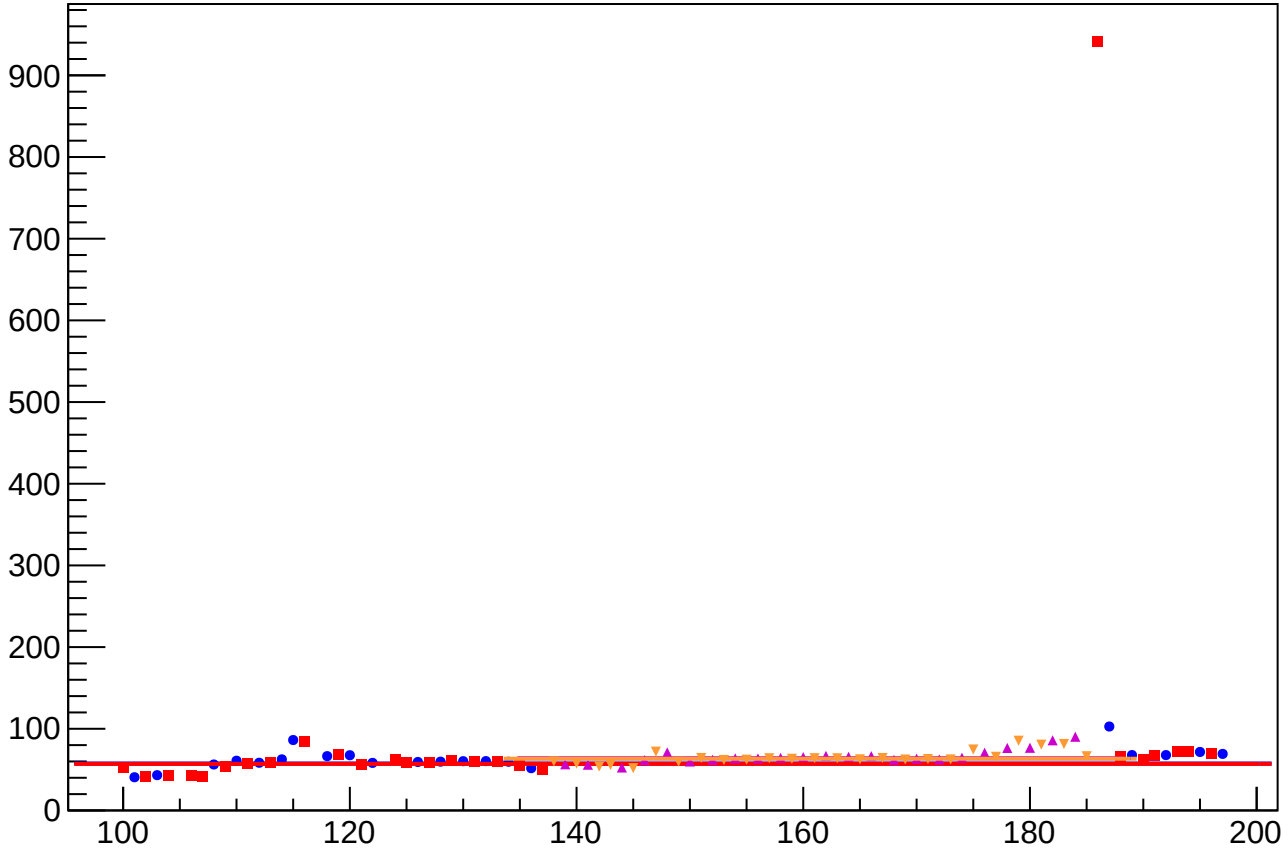
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 27.426+/-11.291 χ^2/NDF: 60.4/45

All: -7.514+/-7.992 χ^2/NDF: 139.4/94

- sign -42.587+/-11.313 χ^2/NDF: 59.9/48

cor_asym_sam_15_avg_rms vs Slug



Right In: 57.485+/-0.013 χ^2/NDF: 711277.3/20

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 56.997+/-0.012 χ^2/NDF: 1493267.0/25

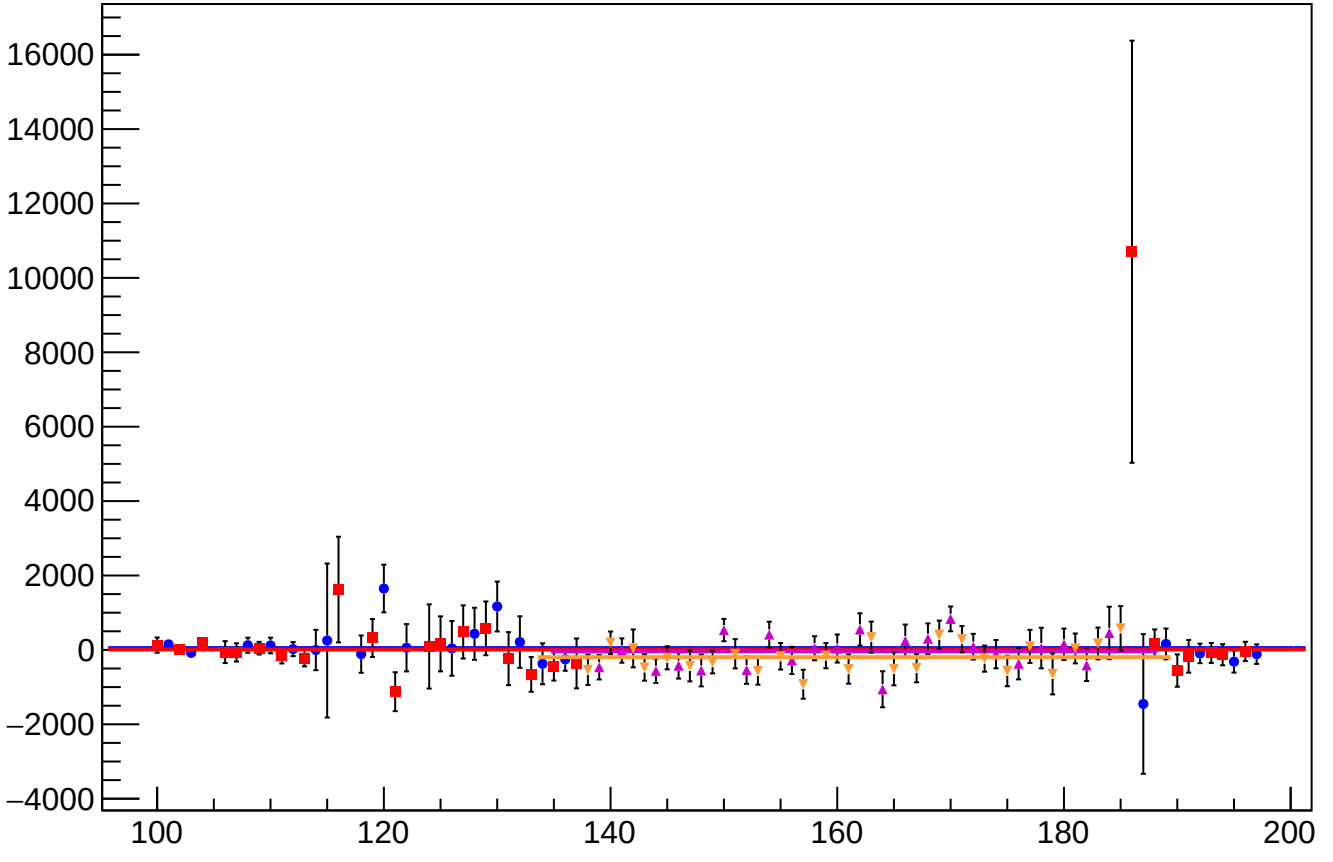
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.021+/-0.008 χ^2/NDF: 1335812.0/45

All: 60.967+/-0.006 χ^2/NDF: 3458398.9/94

- sign 60.913+/-0.008 χ^2/NDF: 2122495.1/48

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 47.737+/-44.299 χ^2/NDF: 18.8/20

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 11.734+/-46.880 χ^2/NDF: 24.2/25

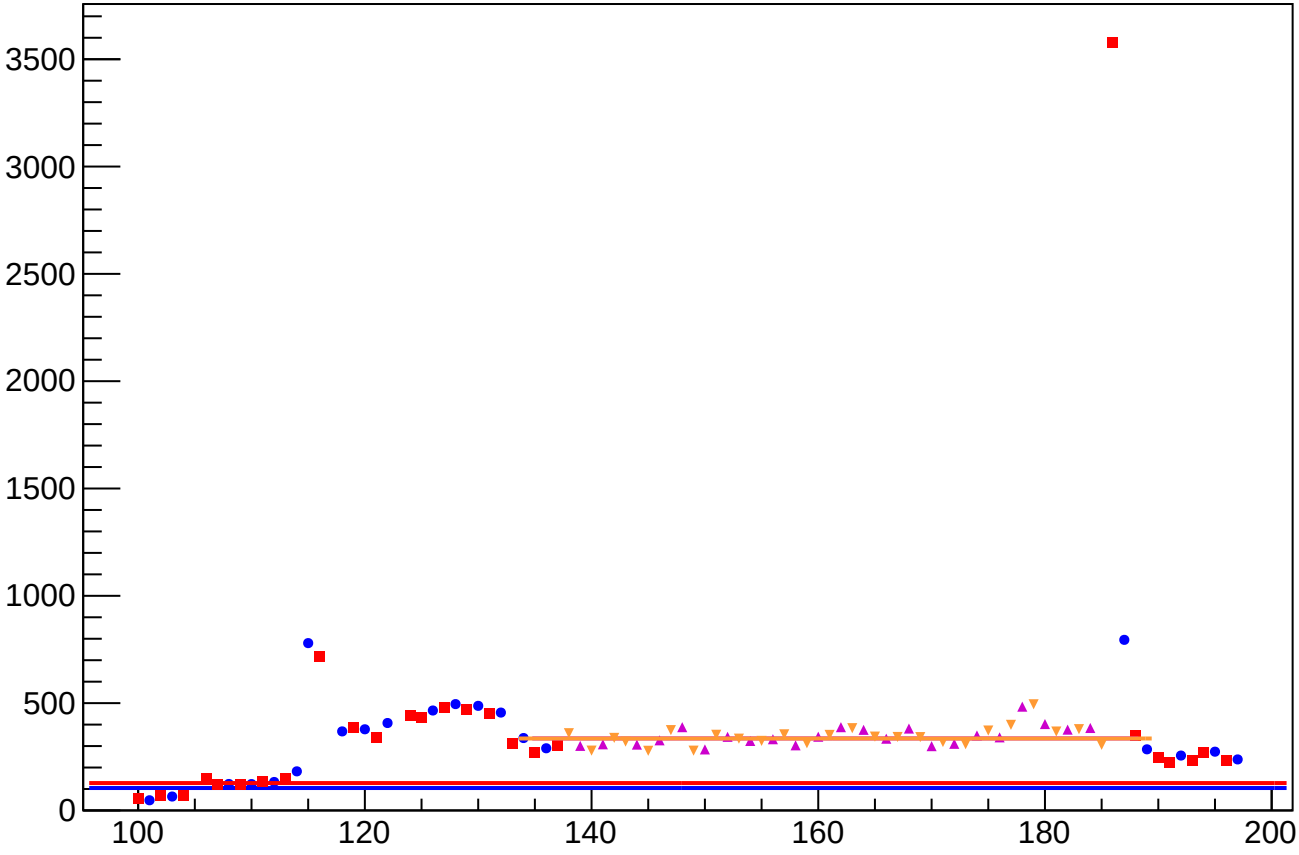
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -12.757+/-38.409 χ^2/NDF: 46.9/45

All: -7.051+/-27.818 χ^2/NDF: 102.5/94

- sign -0.756+/-40.344 χ^2/NDF: 55.5/48

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 104.481+/-0.031 χ^2/NDF: 9370294.7/20

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 127.603+/-0.033 χ^2/NDF: 8511424.1/25

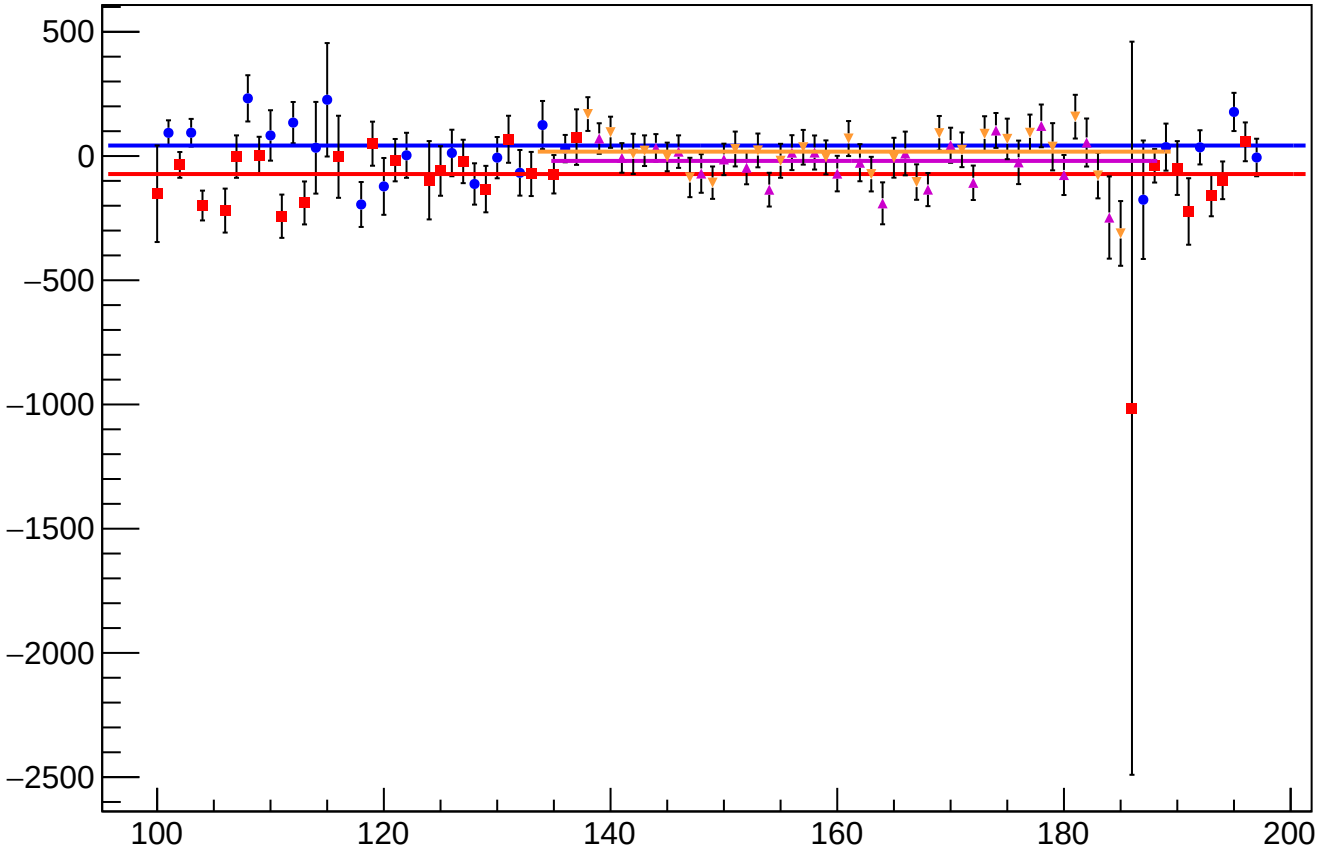
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 161.776+/-0.027 χ^2/NDF: 23410043.7/45

All: 171.173+/-0.020 χ^2/NDF: 42874396.1/94

- sign 181.541+/-0.029 χ^2/NDF: 19212541.1/48

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 42.274+/-18.006 χ^2/NDF: 27.7/20

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -72.481+/-17.167 χ^2/NDF: 28.3/25

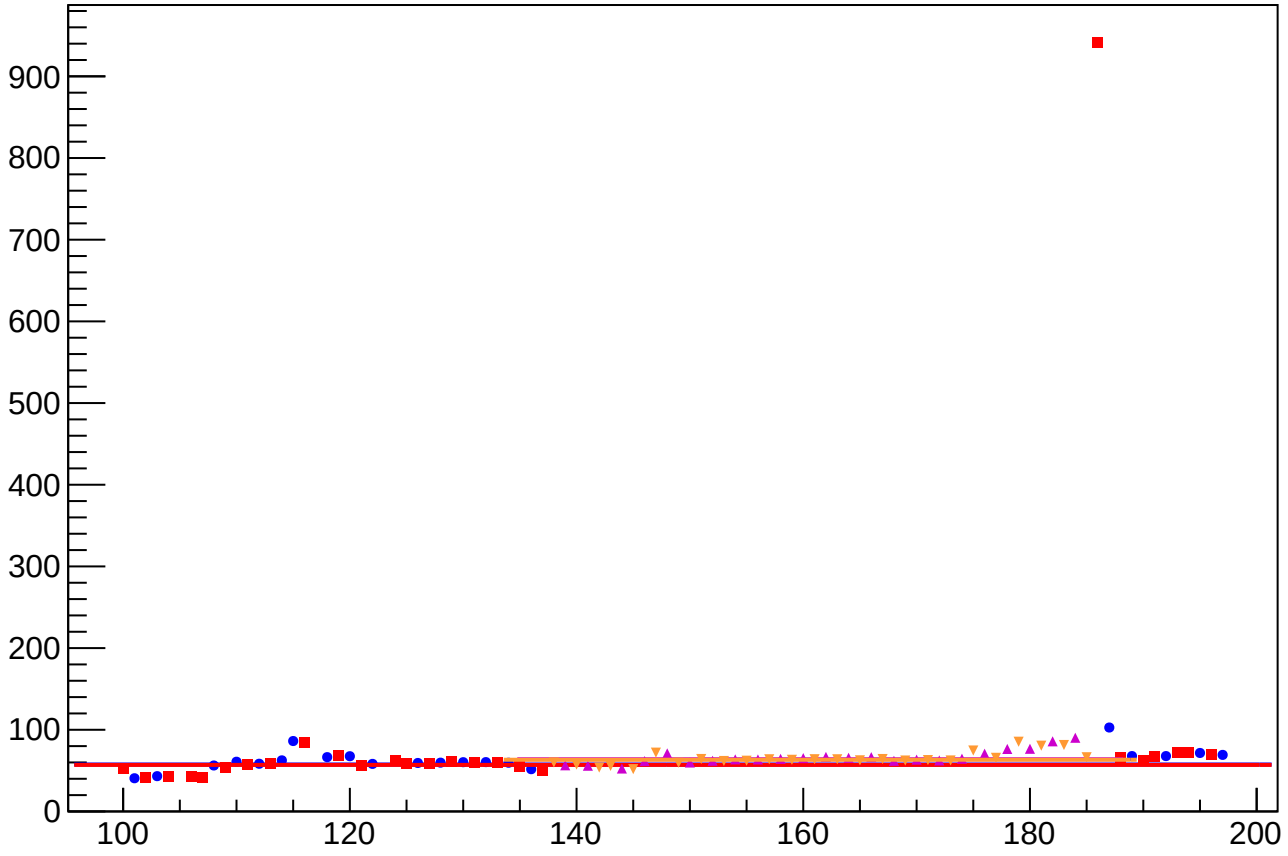
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 27.426+/-11.291 χ^2/NDF: 60.4/45

All: -7.514+/-7.992 χ^2/NDF: 139.4/94

- sign -42.587+/-11.313 χ^2/NDF: 59.9/48

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 57.485+/-0.013 χ^2/NDF: 711277.3/20

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

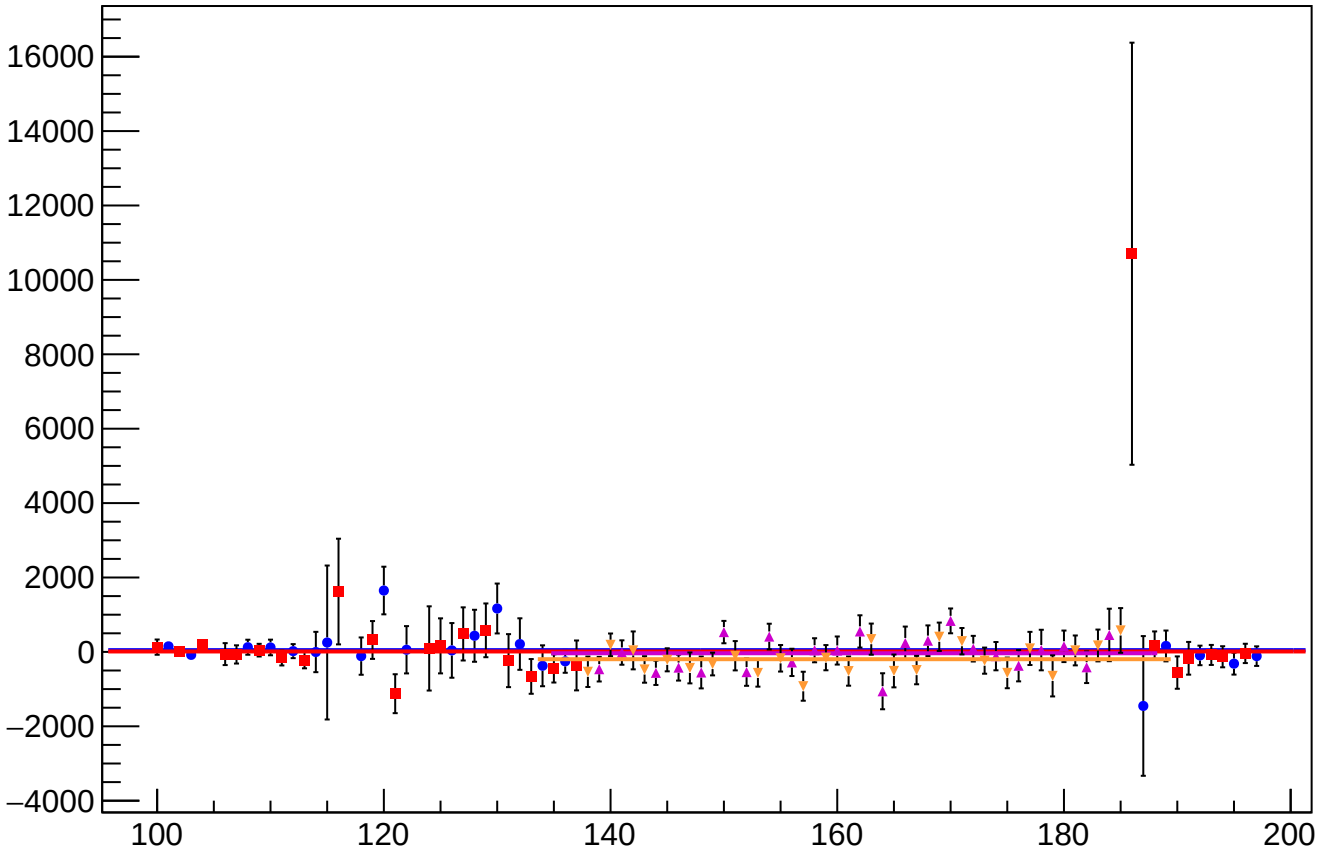
Right Out: 56.997+/-0.012 χ^2/NDF: 1493267.0/25

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.021+/-0.008 χ^2/NDF: 1335812.0/45

All: 60.967+/-0.006 χ^2/NDF: 3458398.9/94

- sign 60.913+/-0.008 χ^2/NDF: 2122495.1/48



Right In: 47.737+/-44.299 χ^2/NDF: 18.8/20

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 11.734+/-46.880 χ^2/NDF: 24.2/25

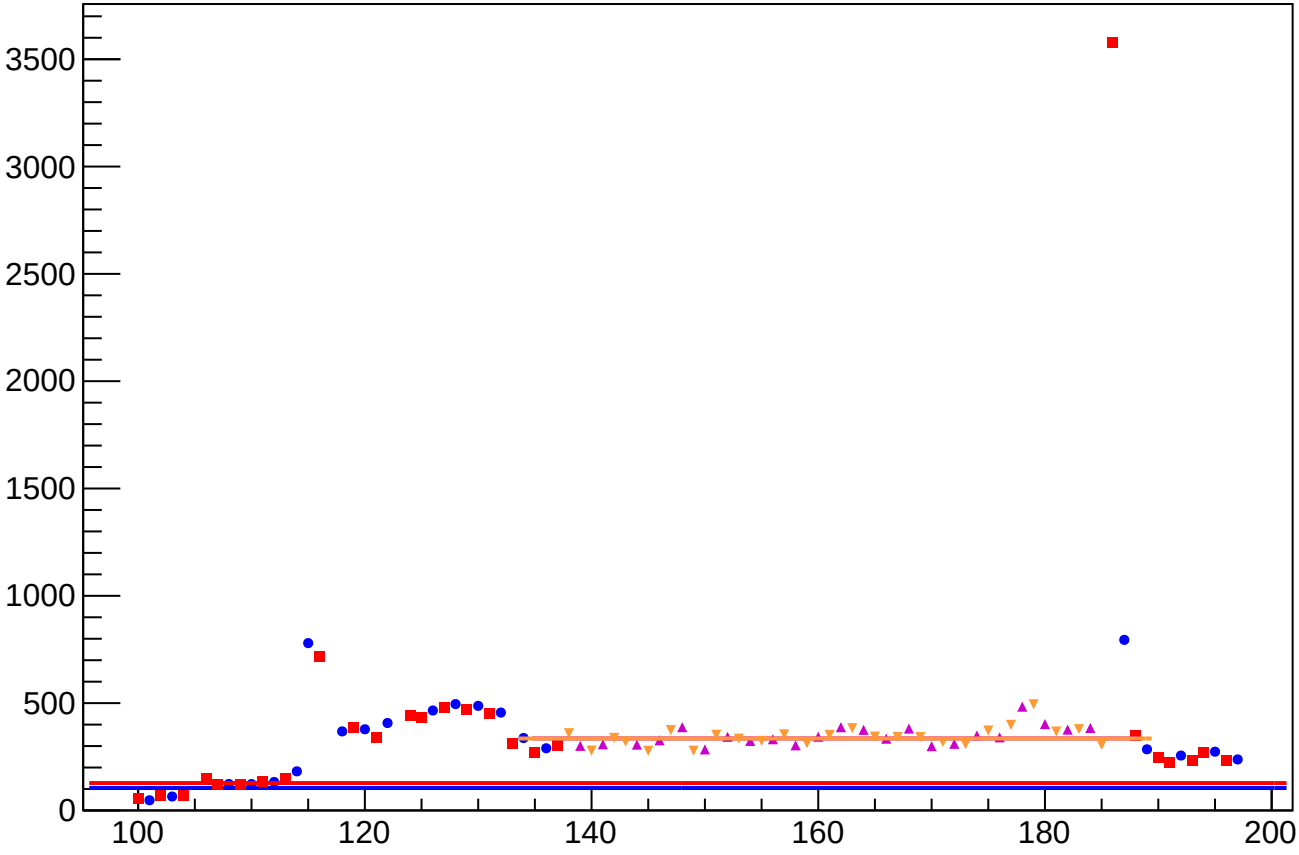
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -12.757+/-38.409 χ^2/NDF: 46.9/45

All: -7.051+/-27.818 χ^2/NDF: 102.5/94

- sign -0.756+/-40.344 χ^2/NDF: 55.5/48

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 104.481+/-0.031 χ^2/NDF: 9370294.7/20

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 127.603+/-0.033 χ^2/NDF: 8511424.1/25

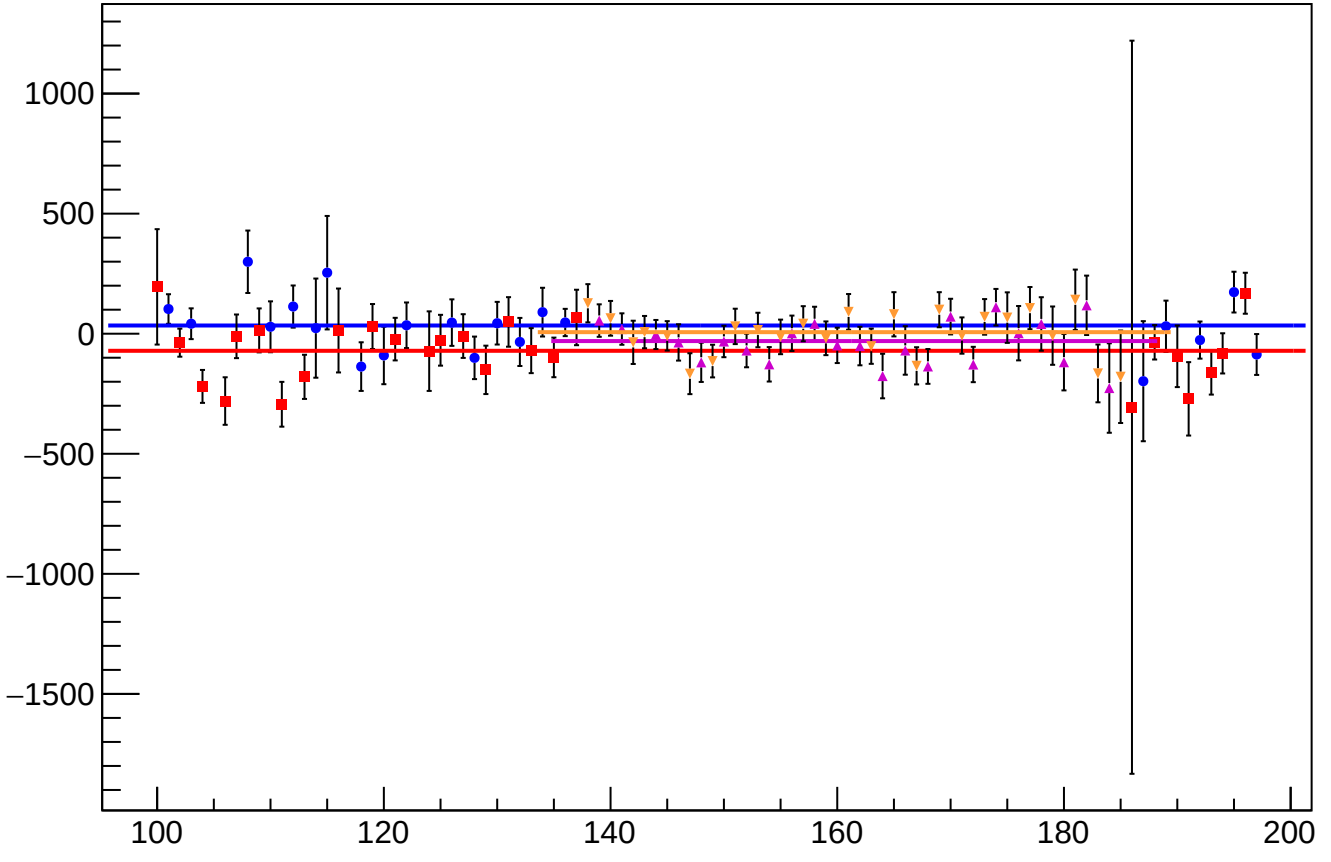
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 161.776+/-0.027 χ^2/NDF: 23410043.7/45

All: 171.173+/-0.020 χ^2/NDF: 42874396.1/94

- sign 181.541+/-0.029 χ^2/NDF: 19212541.1/48

dit_asym_sam_15_avg_mean vs Slug



Right In: 34.179+/-19.918 χ^2/NDF: 20.4/20

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -71.172+/-18.752 χ^2/NDF: 35.8/25

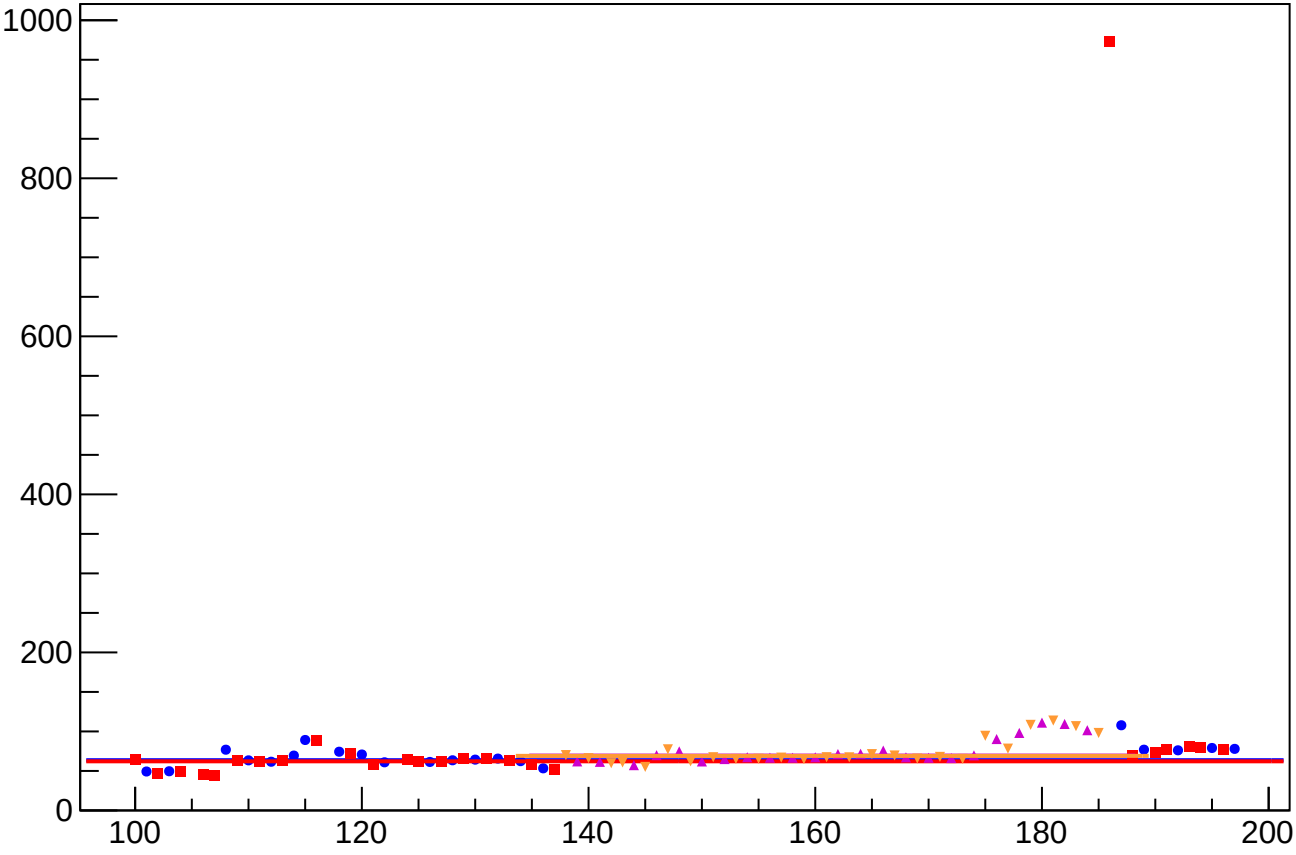
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.319+/-12.463 χ^2/NDF: 46.6/45

All: -15.709+/-8.786 χ^2/NDF: 121.5/94

- sign -48.344+/-12.389 χ^2/NDF: 60.9/48

dit_asym_sam_15_avg_rms vs Slug



Right In: 63.610+/-0.014 χ^2/NDF: 618450.1/20

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 62.185+/-0.013 χ^2/NDF: 1437412.5/25

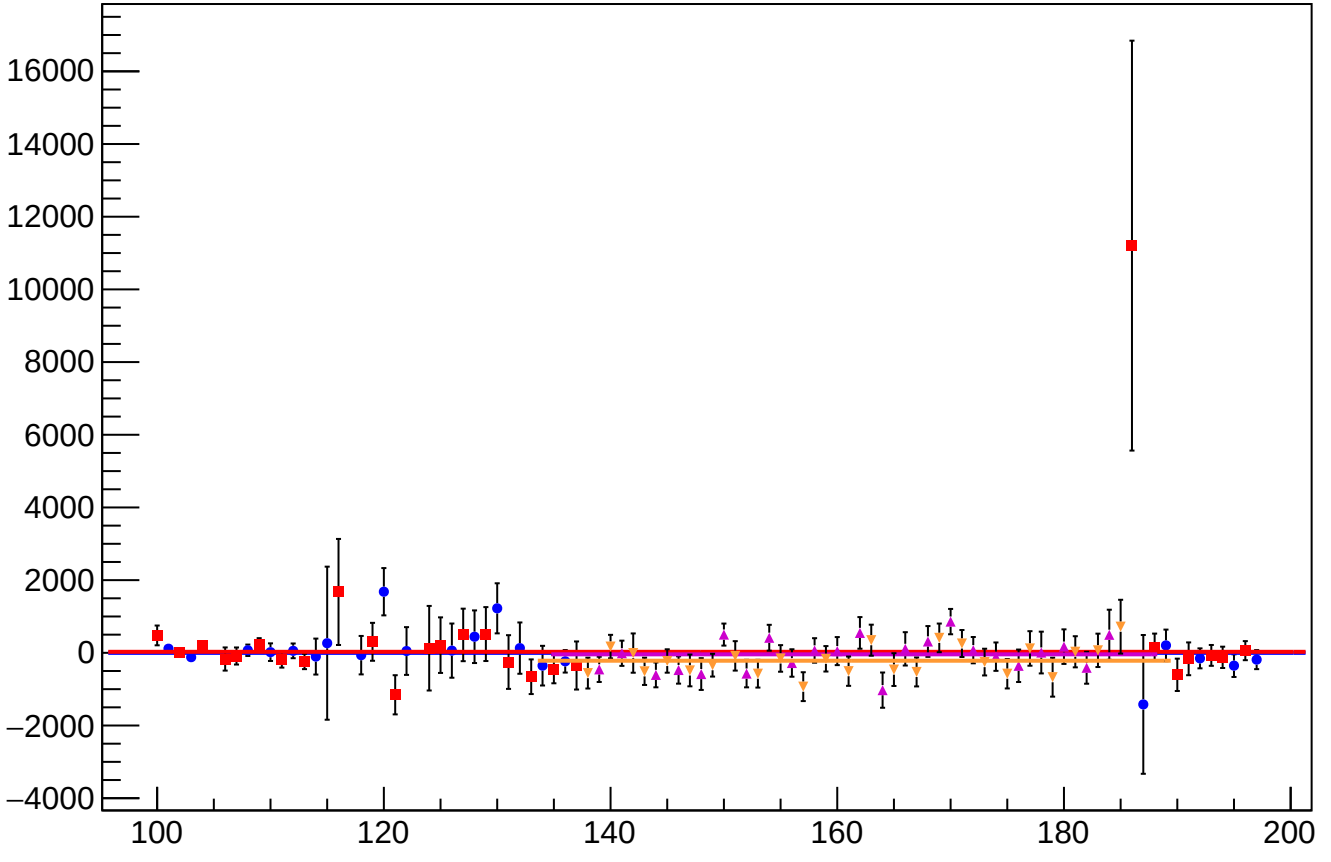
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 66.937+/-0.009 χ^2/NDF: 1784190.4/45

All: 66.602+/-0.006 χ^2/NDF: 4317636.1/94

- sign 66.271+/-0.009 χ^2/NDF: 2530570.9/48

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -1.106+/-50.508 χ^2/NDF: 17.6/20

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 28.020+/-49.466 χ^2/NDF: 28.2/25

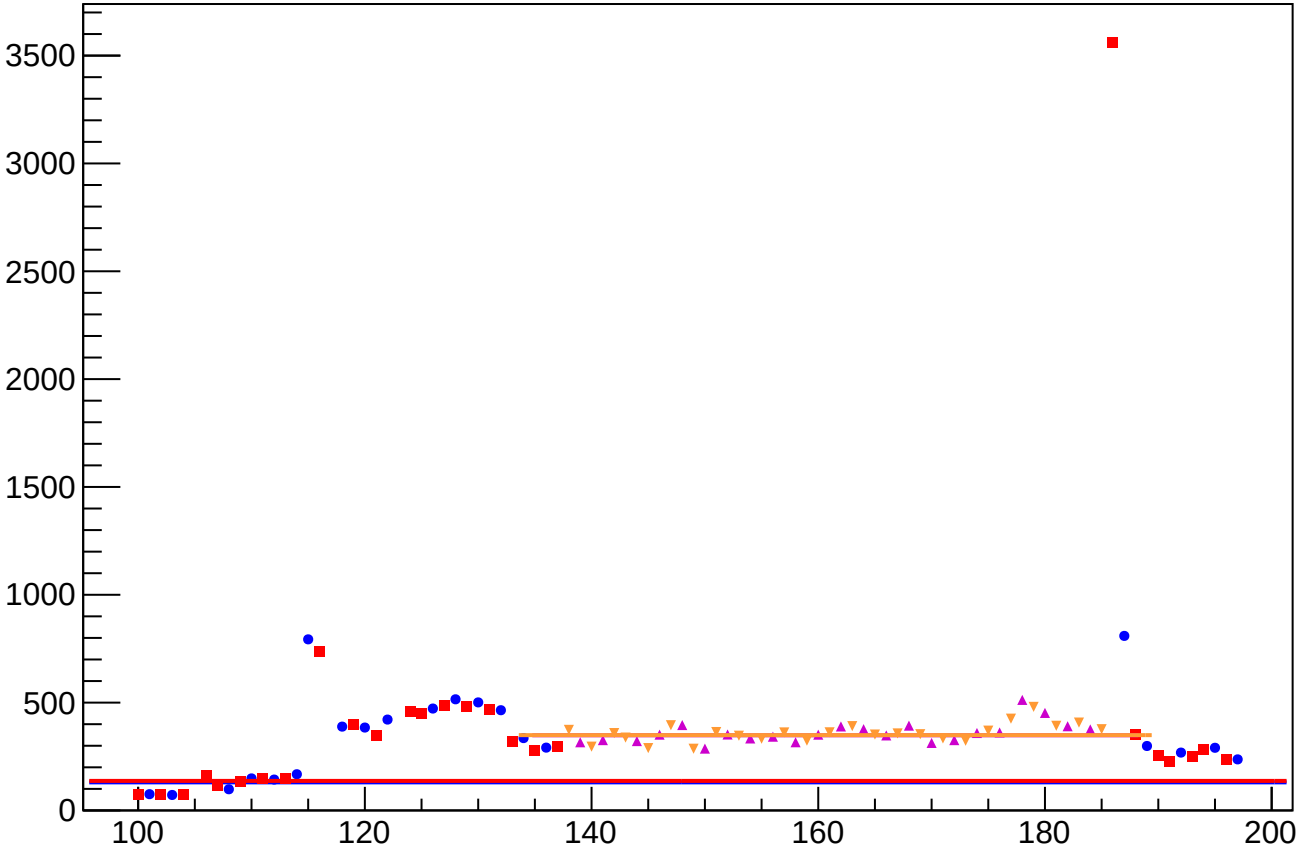
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -62.589+/-42.729 χ^2/NDF: 42.2/45

All: -26.232+/-30.094 χ^2/NDF: 102.4/94

- sign 9.553+/-42.391 χ^2/NDF: 58.8/48

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 130.238+/-0.036 χ^2/NDF: 7736497.7/20

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 137.043+/-0.035 χ^2/NDF: 8134434.7/25

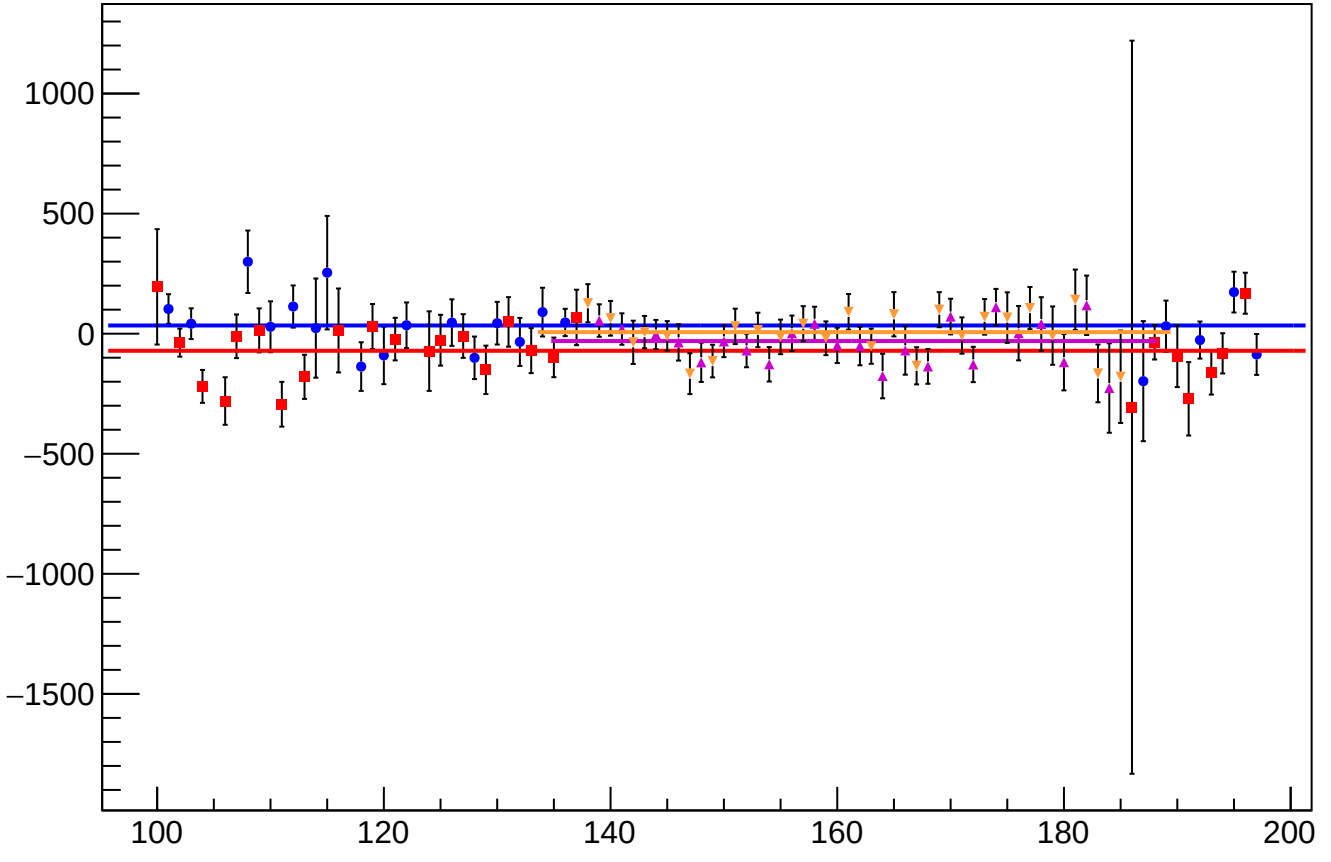
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 192.487+/-0.030 χ^2/NDF: 18945380.4/45

All: 192.857+/-0.021 χ^2/NDF: 37318065.7/94

- sign 193.221+/-0.030 χ^2/NDF: 18372388.3/48

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 34.179+/-19.918 χ^2/NDF: 20.4/20

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -71.172+/-18.752 χ^2/NDF: 35.8/25

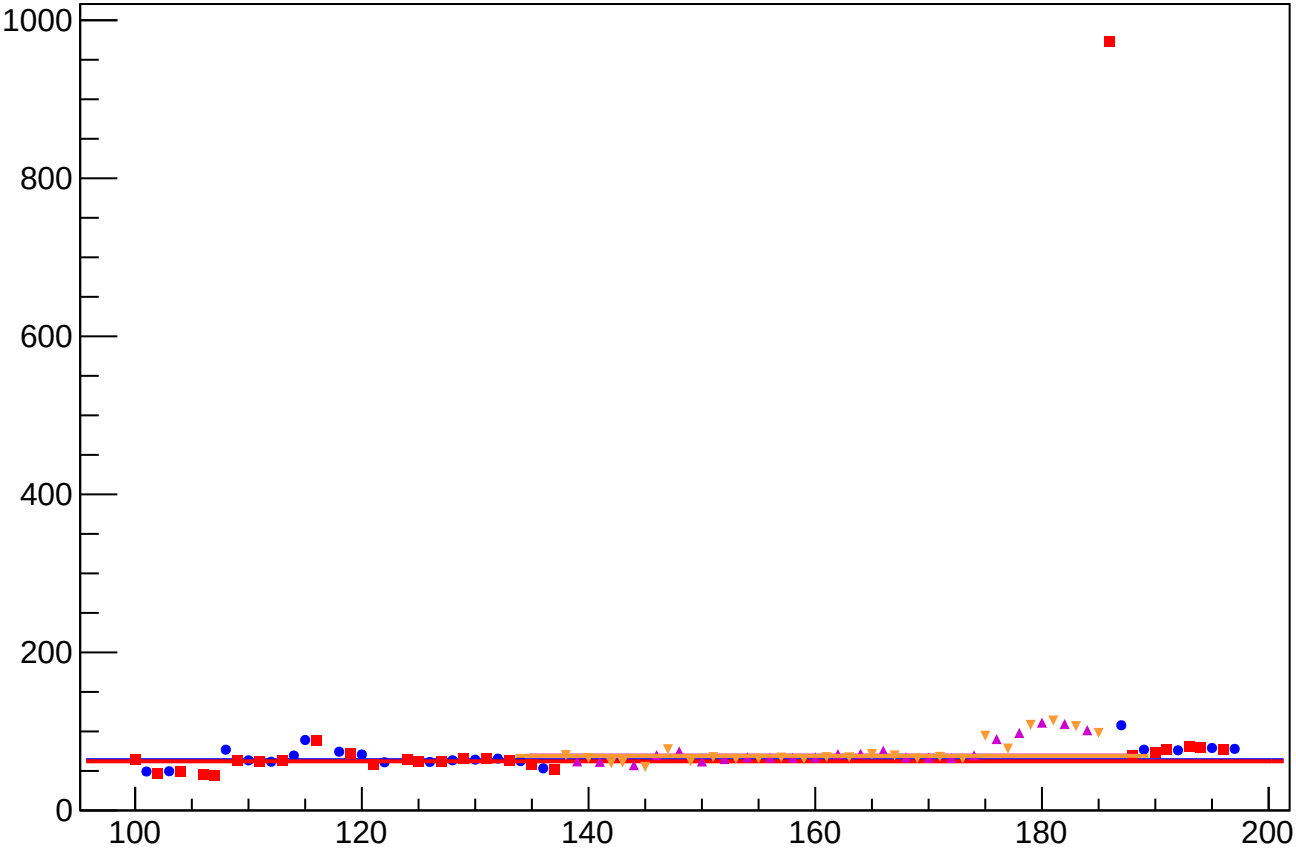
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.319+/-12.463 χ^2/NDF: 46.6/45

All: -15.709+/-8.786 χ^2/NDF: 121.5/94

- sign -48.344+/-12.389 χ^2/NDF: 60.9/48

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 63.610+/-0.014 χ^2/NDF: 618449.7/20

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 62.185+/-0.013 χ^2/NDF: 1437410.8/25

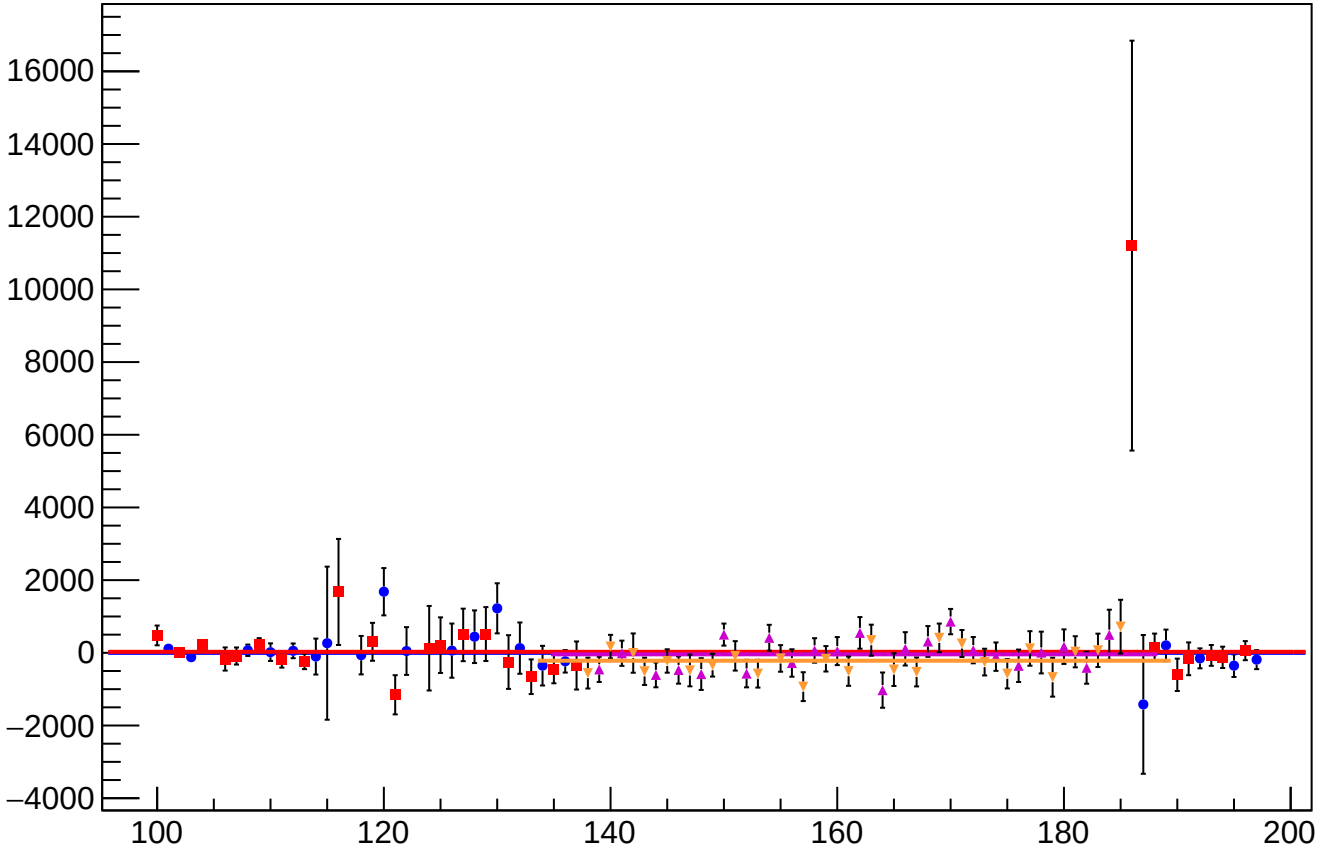
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 66.937+/-0.009 χ^2/NDF: 1784177.7/45

All: 66.602+/-0.006 χ^2/NDF: 4317615.6/94

- sign 66.271+/-0.009 χ^2/NDF: 2530563.4/48

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -1.106+/-50.508 χ^2/NDF: 17.6/20

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 28.020+/-49.466 χ^2/NDF: 28.2/25

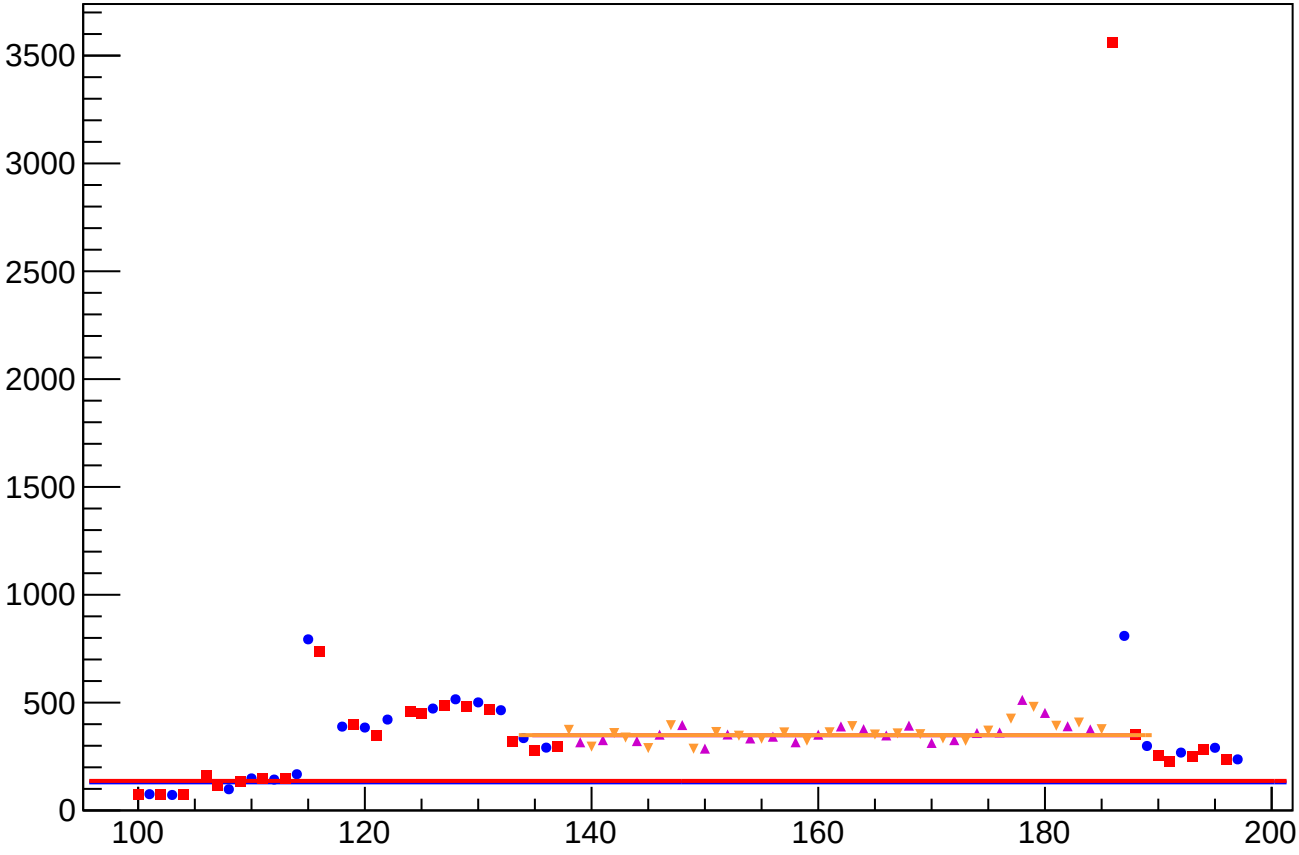
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -62.589+/-42.729 χ^2/NDF: 42.2/45

All: -26.232+/-30.094 χ^2/NDF: 102.4/94

- sign 9.553+/-42.391 χ^2/NDF: 58.8/48

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 130.238+/-0.036 χ^2/NDF: 7736501.3/20

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 137.043+/-0.035 χ^2/NDF: 8134457.0/25

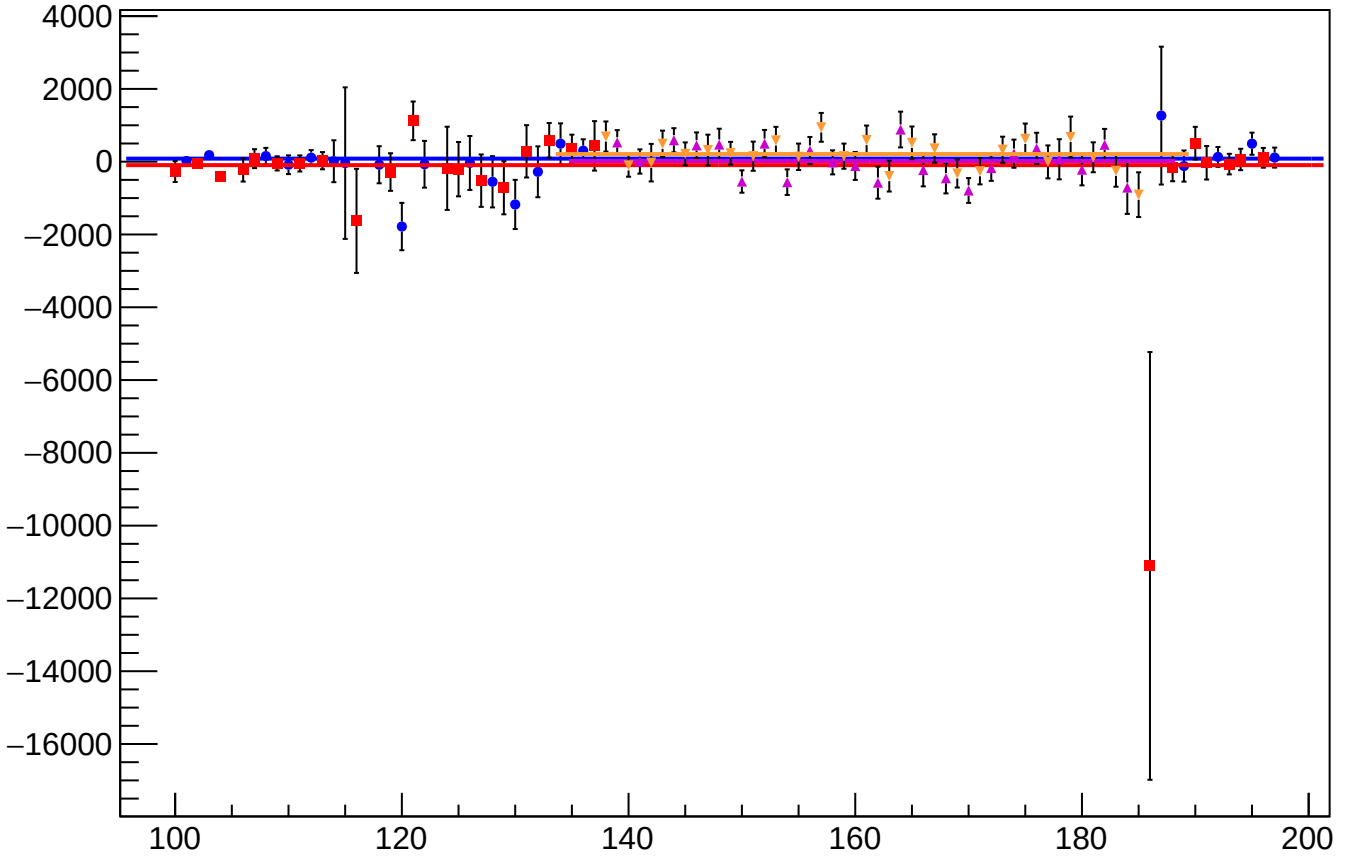
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 192.487+/-0.030 χ^2/NDF: 18945442.8/45

All: 192.857+/-0.021 χ^2/NDF: 37318224.7/94

- sign 193.220+/-0.030 χ^2/NDF: 18372485.0/48

asym_sam_15_avg_mean vs Slug



Right In: 83.996+/-55.139 χ^2/NDF: 18.3/20

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -94.764+/-53.281 χ^2/NDF: 27.5/25

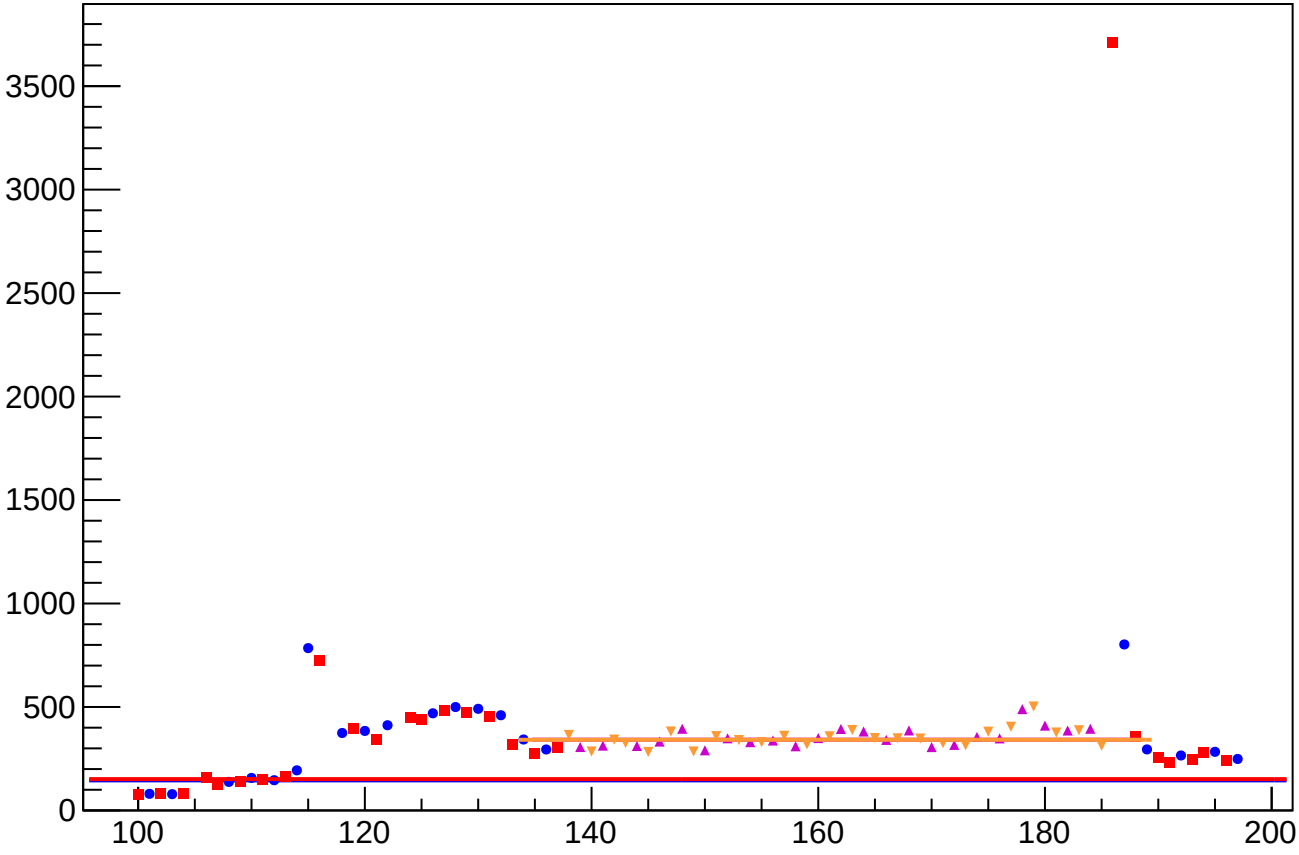
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 125.557+/-45.123 χ^2/NDF: 41.5/45

All: 31.258+/-31.671 χ^2/NDF: 111.0/94

- sign -60.307+/-44.464 χ^2/NDF: 60.9/48

asym_sam_15_avg_rms vs Slug



Right In: 145.354+/-0.039 χ^2/NDF: 7001097.2/20

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

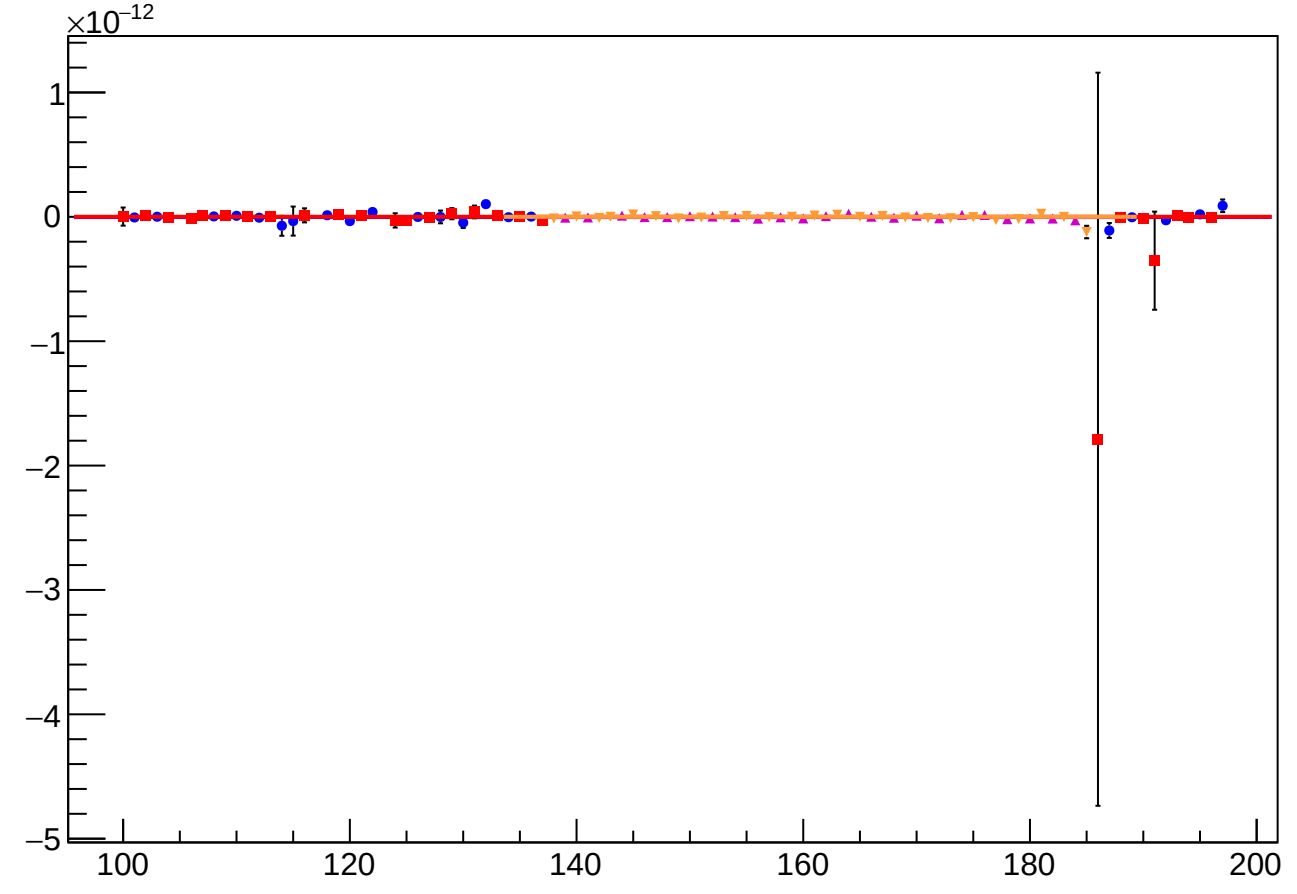
Right Out: 151.401+/-0.038 χ^2/NDF: 7270211.0/25

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 210.171+/-0.032 χ^2/NDF: 15922437.7/45

All: 209.701+/-0.022 χ^2/NDF: 31443645.0/94

- sign 209.245+/-0.031 χ^2/NDF: 15520780.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

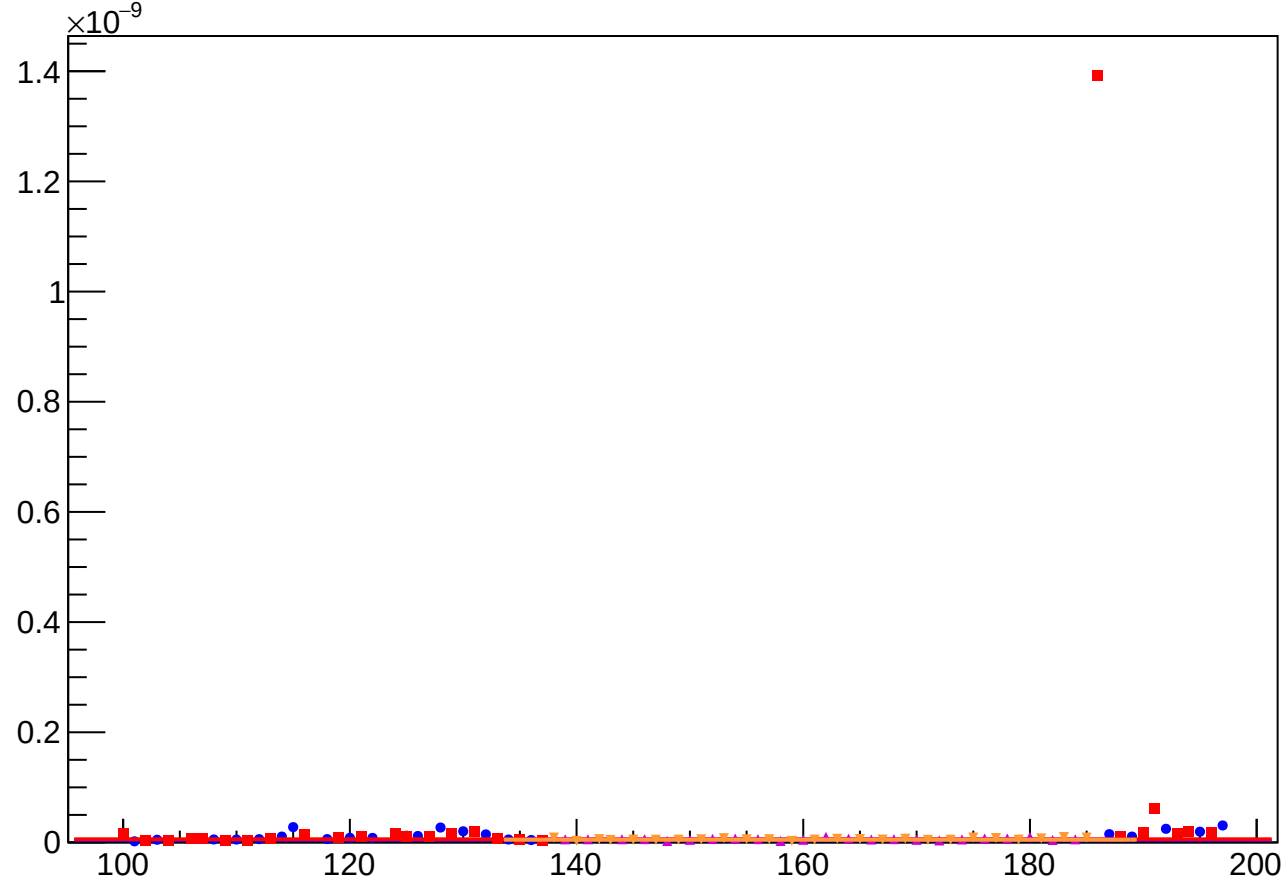
Right Out: 0.000+/-0.000 χ^2/NDF: 12.1/25

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.1/45

All: -0.000+/-0.000 χ^2/NDF: 86.8/94

- sign -0.000+/-0.000 χ^2/NDF: 32.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 4062472.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3266168.8/25

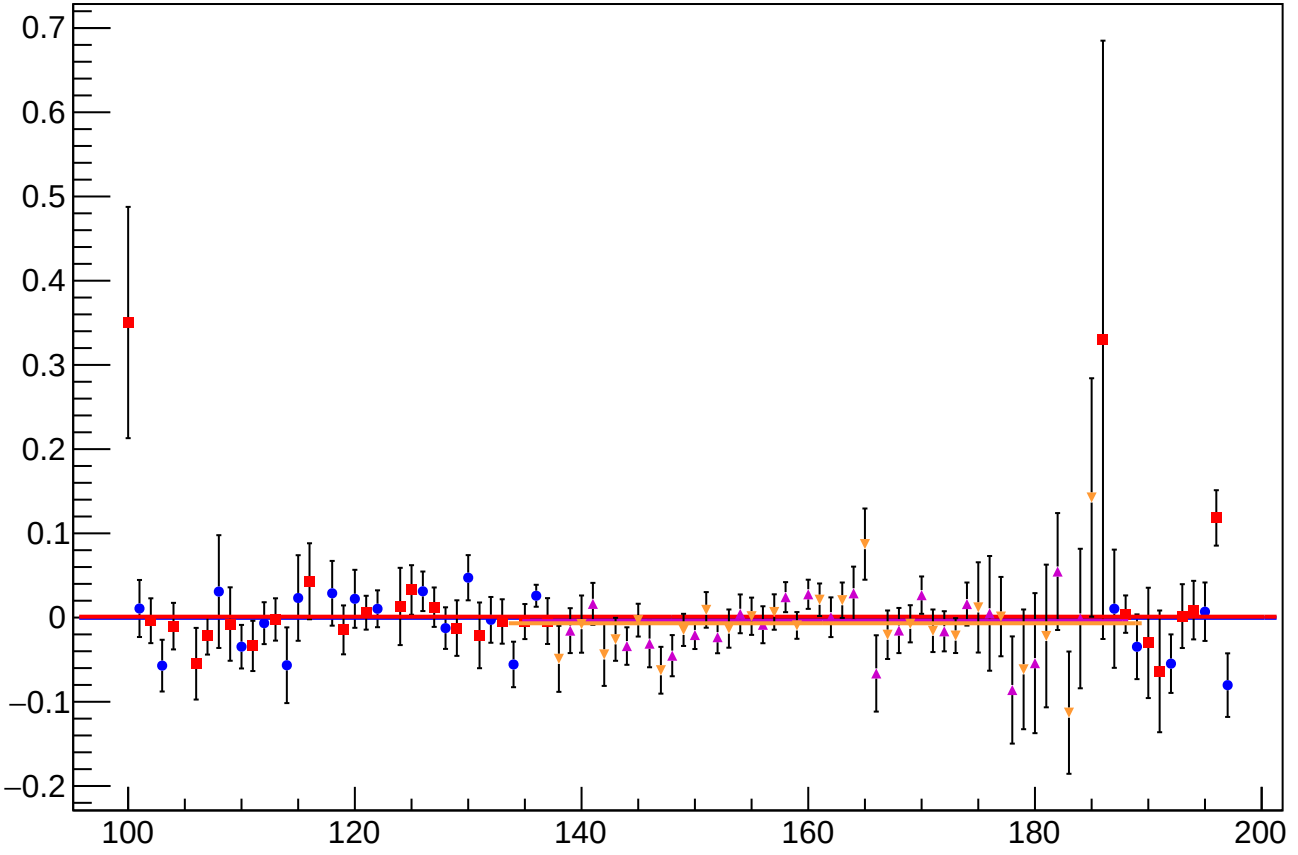
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5545945.2/45

All: 0.000+/-0.000 χ^2/NDF: 10215796.7/94

- sign 0.000+/-0.000 χ^2/NDF: 4558629.6/48

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.006 χ^2/NDF: 29.8/20

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/25

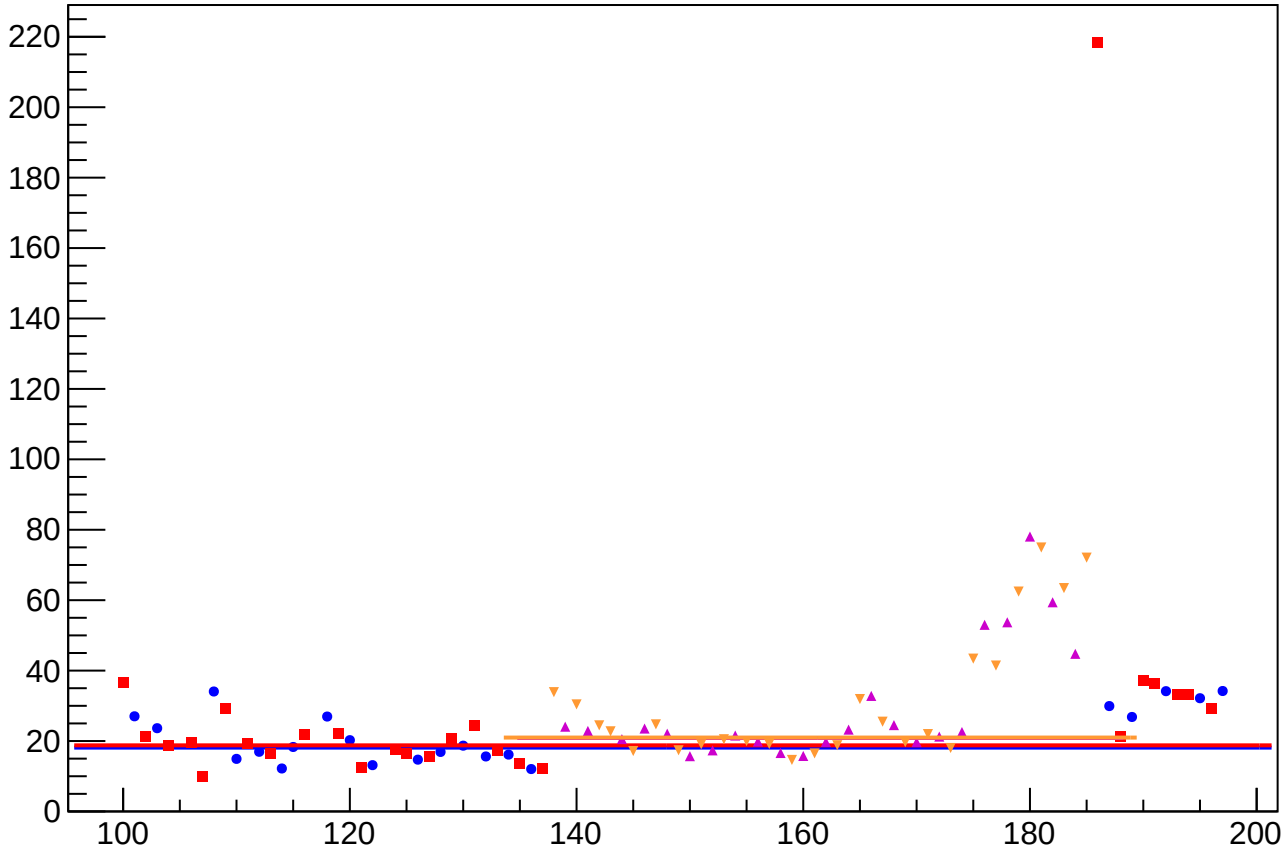
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.2/45

All: -0.003+/-0.003 χ^2/NDF: 104.7/94

- sign -0.002+/-0.004 χ^2/NDF: 52.4/48

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 18.133+/-0.004 χ^2/NDF: 2387841.5/20

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

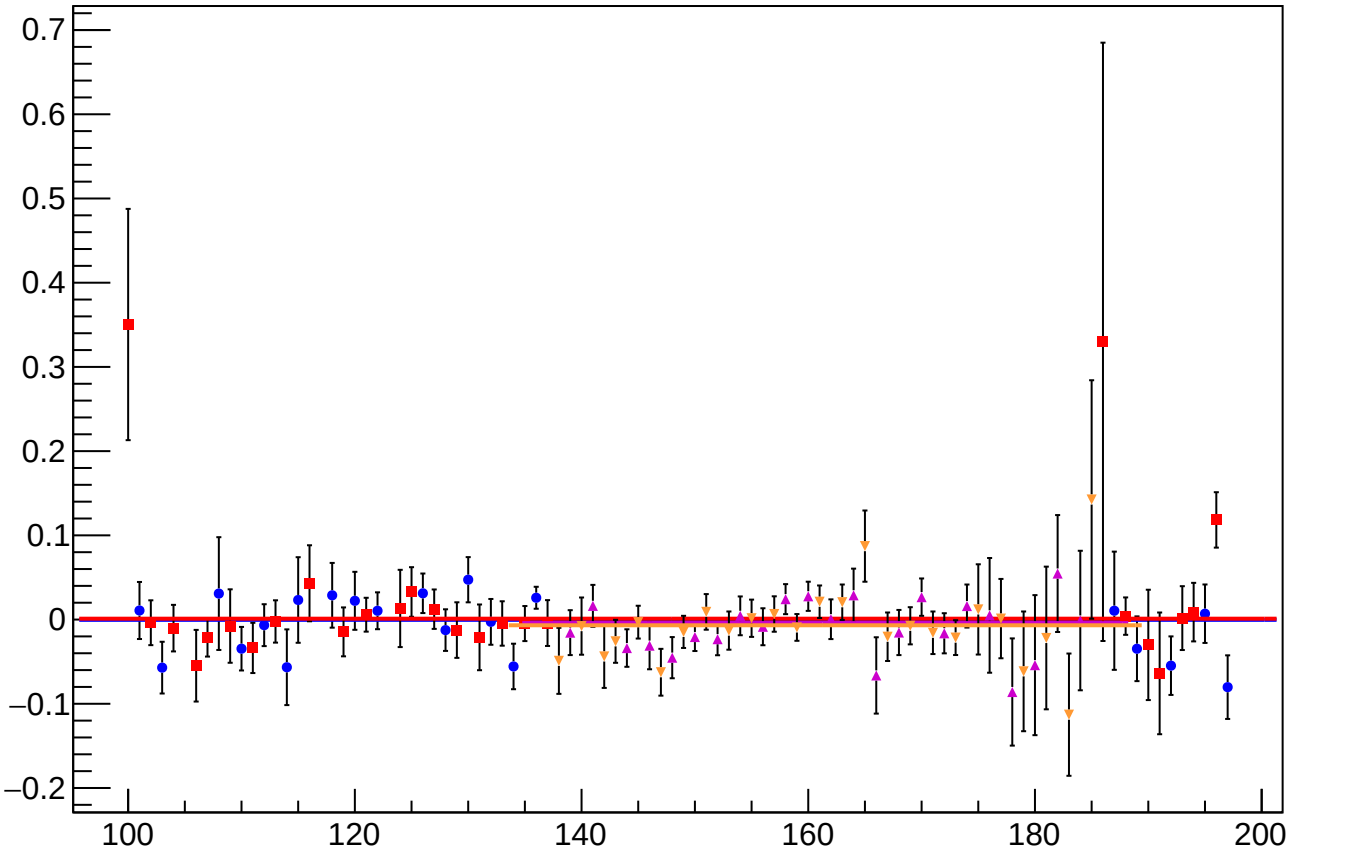
Right Out: 18.776+/-0.004 χ^2/NDF: 2819507.1/25

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.793+/-0.003 χ^2/NDF: 7104747.0/45

All: 19.874+/-0.002 χ^2/NDF: 13597273.2/94

- sign 19.954+/-0.003 χ^2/NDF: 6490869.7/48



Right In: -0.000+/-0.006 χ^2/NDF: 29.8/20

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/25

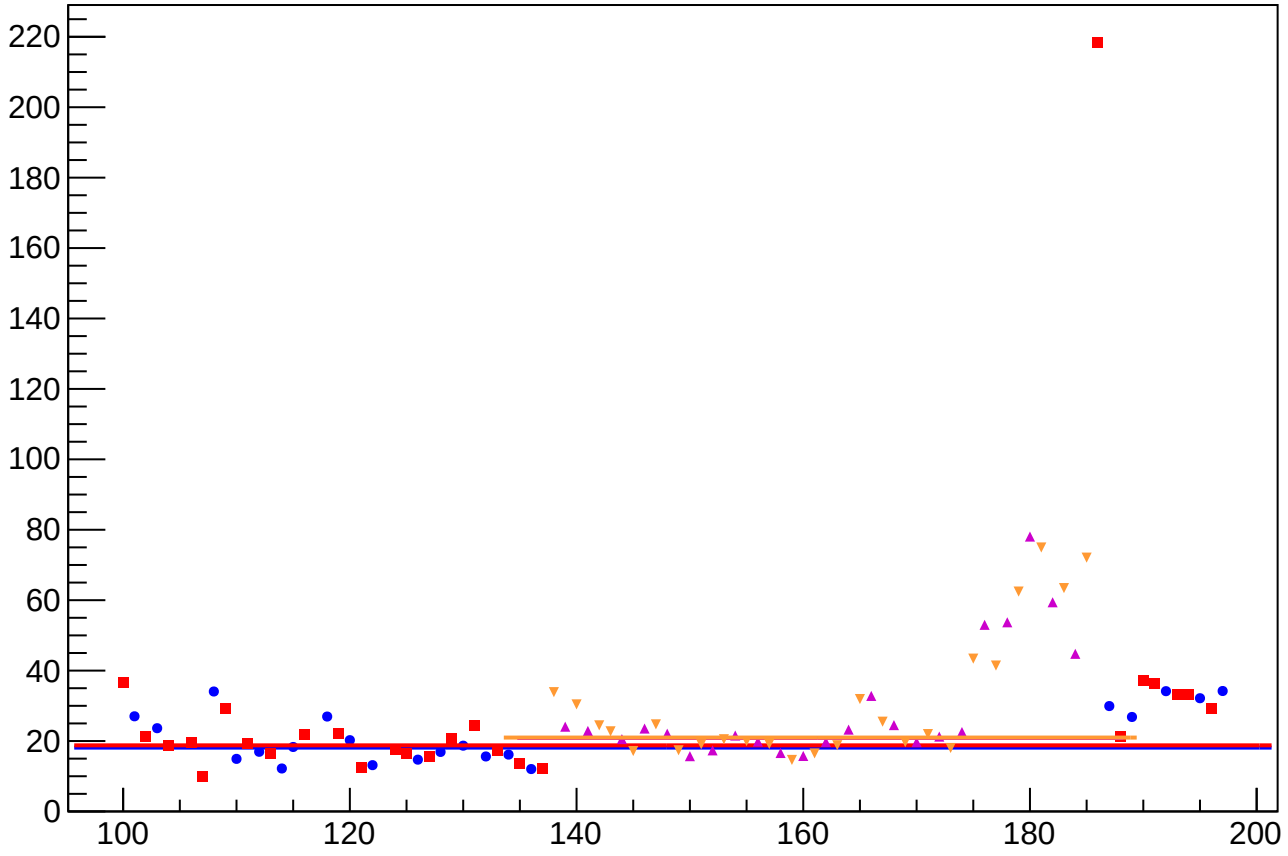
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.2/45

All: -0.003+/-0.003 χ^2/NDF: 104.7/94

- sign -0.002+/-0.004 χ^2/NDF: 52.4/48

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.133+/-0.004 χ^2/NDF: 2387841.5/20

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

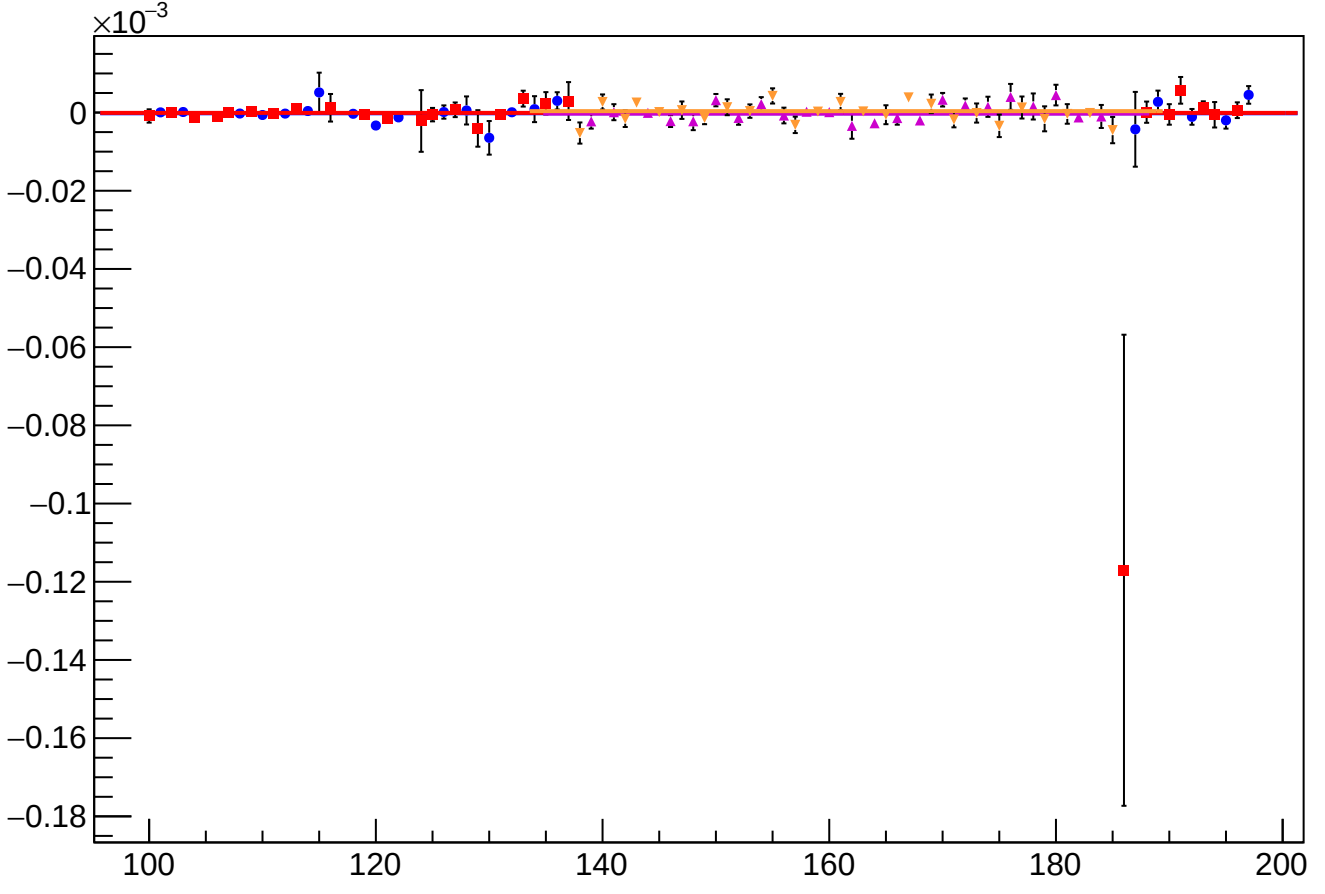
Right Out: 18.776+/-0.004 χ^2/NDF: 2819507.1/25

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

\+ sign 19.793+/-0.003 χ^2/NDF: 7104747.0/45

All: 19.874+/-0.002 χ^2/NDF: 13597273.2/94

\- sign 19.954+/-0.003 χ^2/NDF: 6490869.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/25

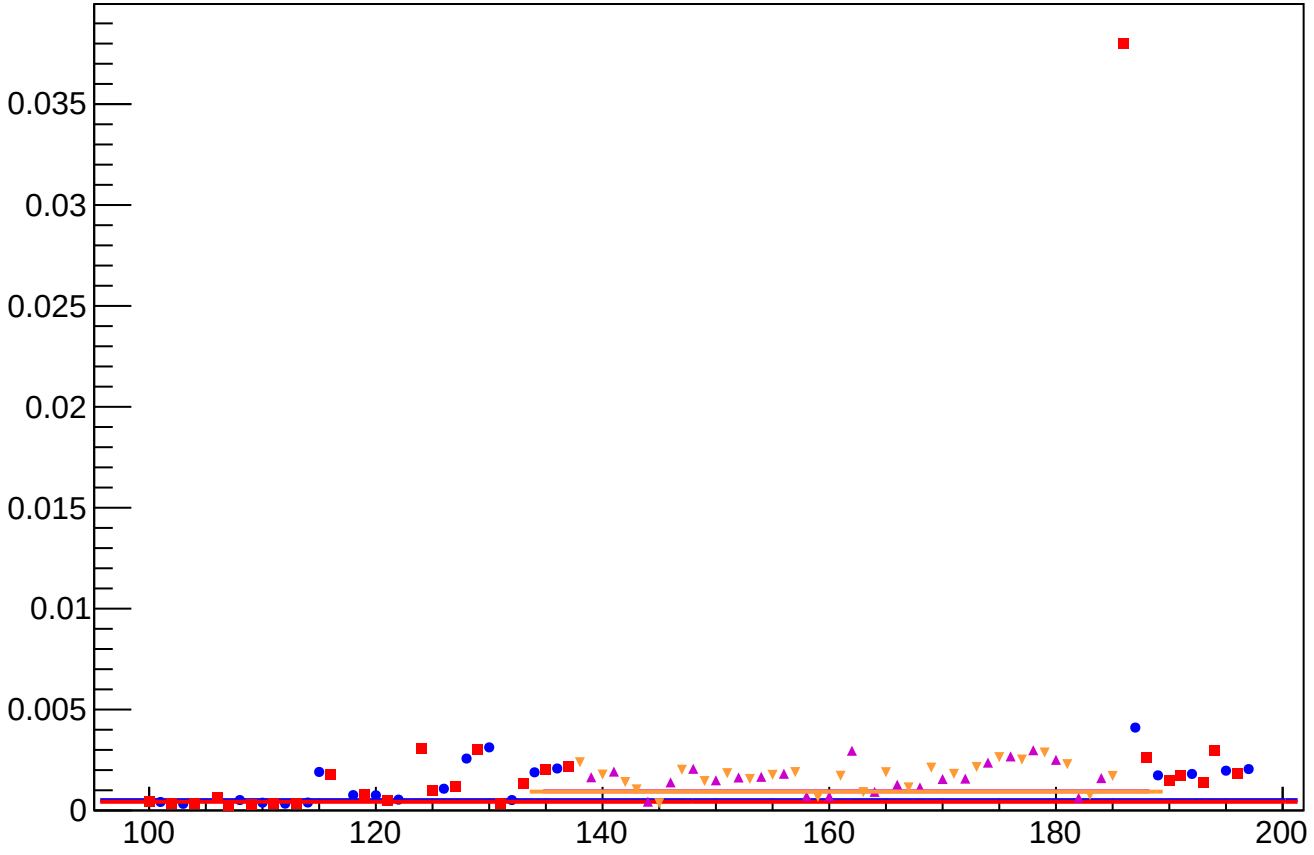
Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/45

All: -0.000+/-0.000 χ^2/NDF: 118.2/94

- sign -0.000+/-0.000 χ^2/NDF: 59.8/48

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7481329.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

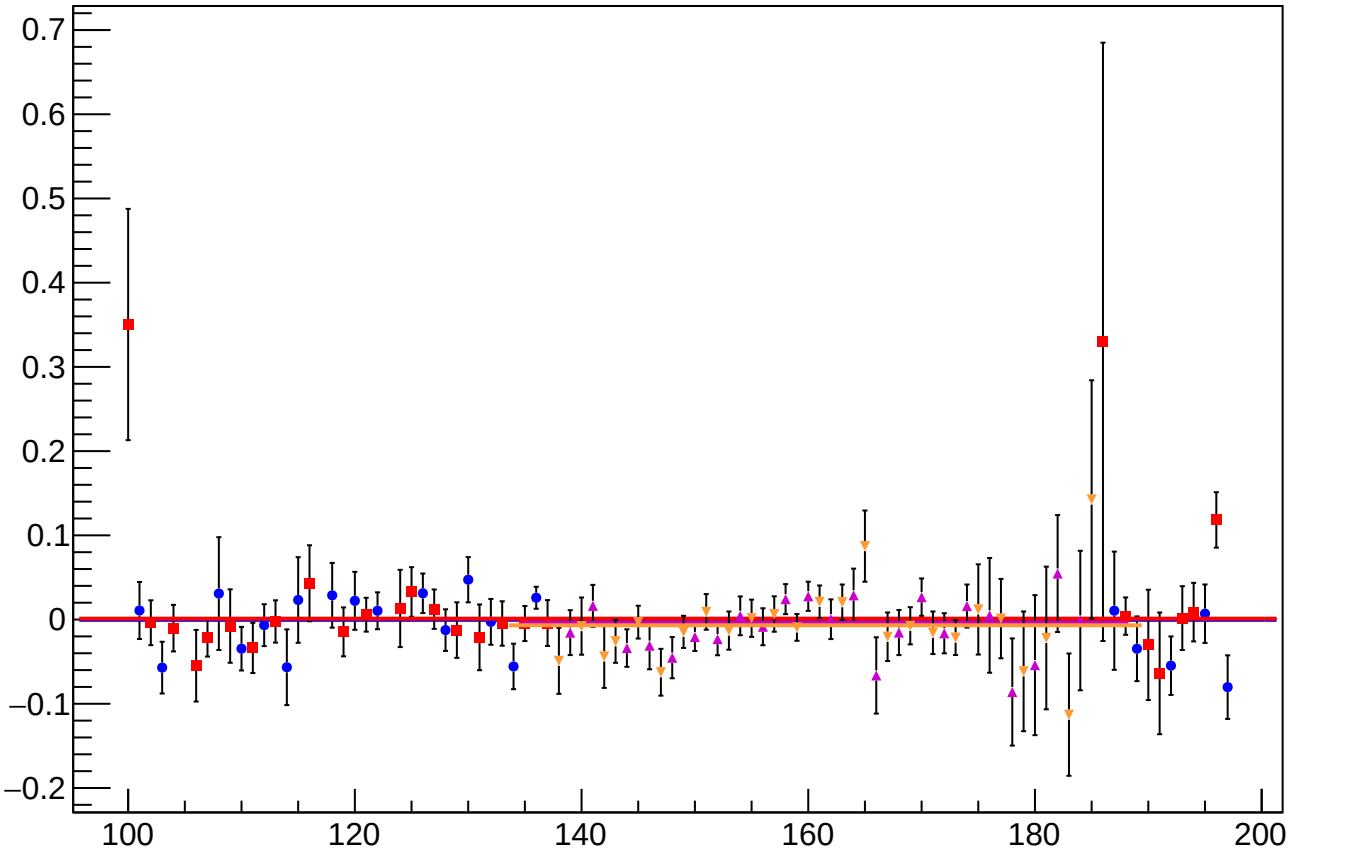
Right Out: 0.000+/-0.000 χ^2/NDF: 9779248.8/25

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 22710031.7/45

All: 0.001+/-0.000 χ^2/NDF: 47784243.4/94

- sign 0.001+/-0.000 χ^2/NDF: 24730578.0/48



Right In: -0.000+/-0.006 χ^2/NDF: 29.8/20

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/25

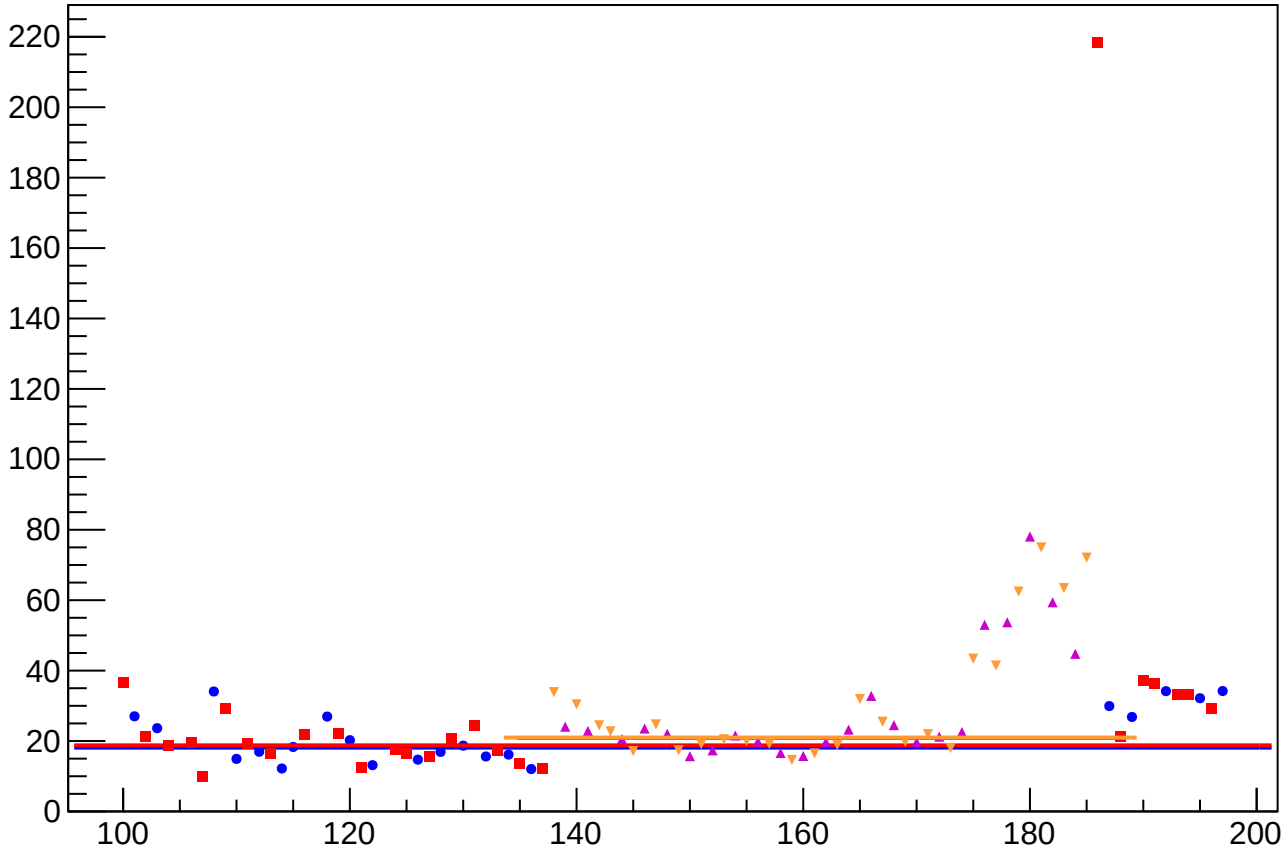
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.2/45

All: -0.003+/-0.003 χ^2/NDF: 104.7/94

- sign -0.002+/-0.004 χ^2/NDF: 52.4/48

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 18.133+/-0.004 χ^2/NDF: 2387861.5/20

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

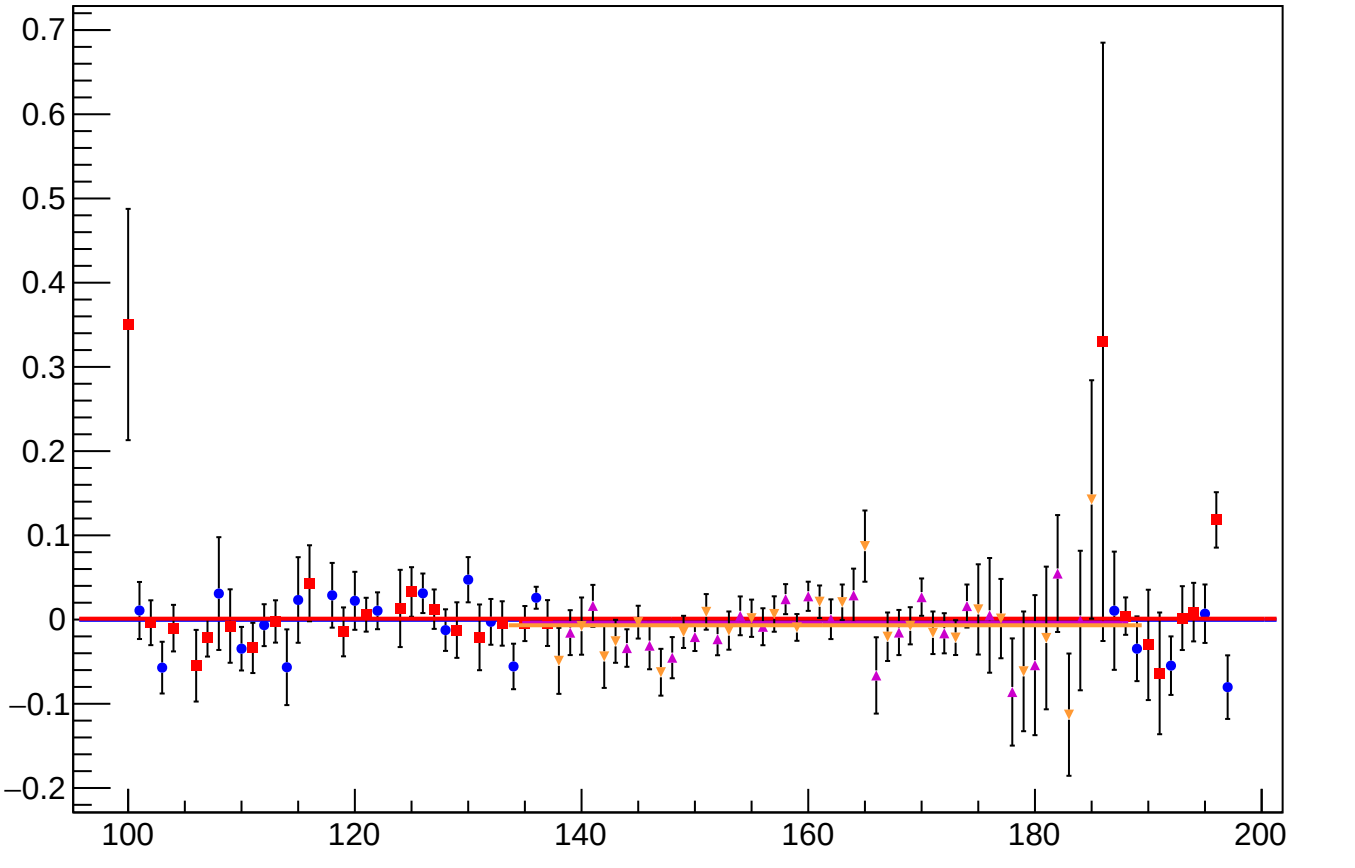
Right Out: 18.776+/-0.004 χ^2/NDF: 2819529.4/25

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.793+/-0.003 χ^2/NDF: 7104795.5/45

All: 19.874+/-0.002 χ^2/NDF: 13597429.0/94

- sign 19.954+/-0.003 χ^2/NDF: 6490978.3/48



Right In: -0.000+/-0.006 χ^2/NDF: 29.8/20

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

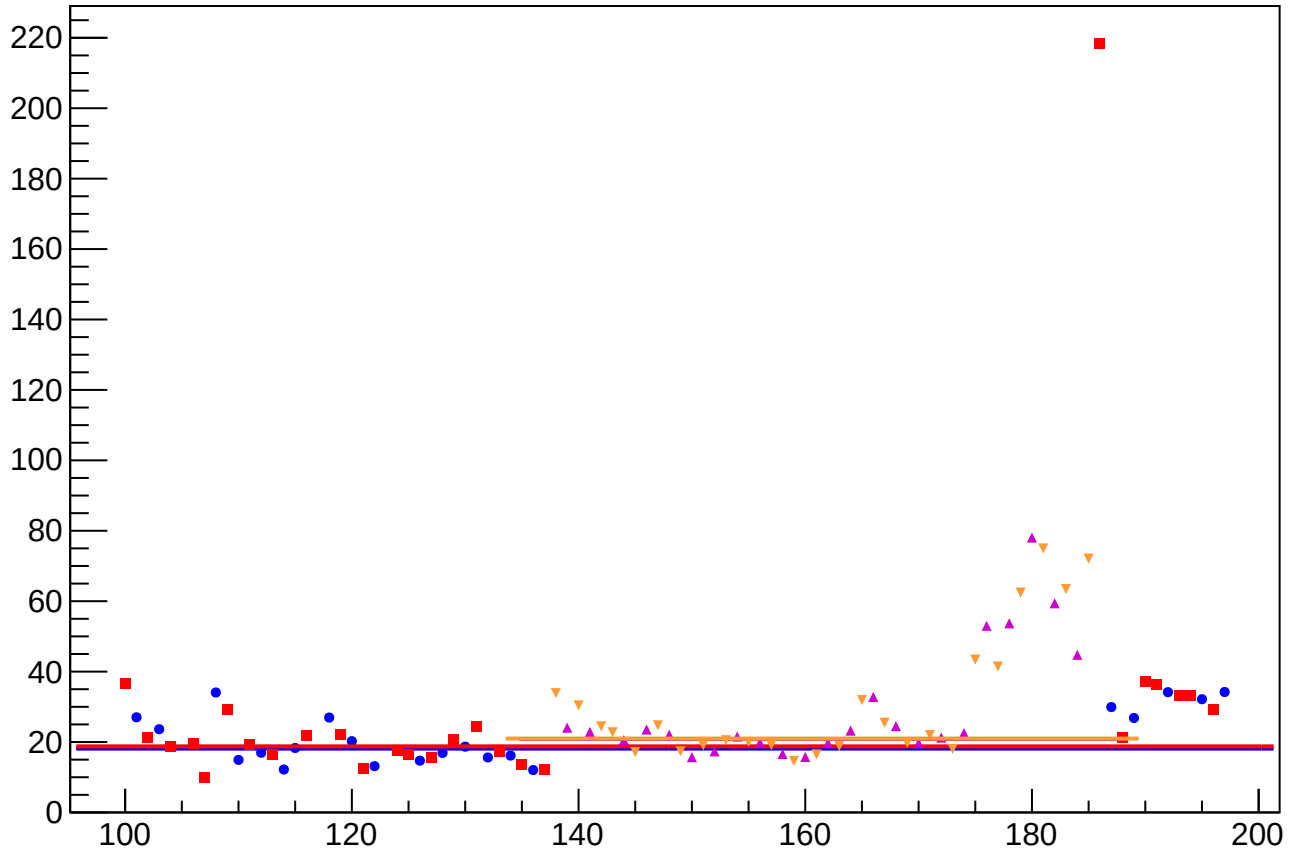
Right Out: 0.001+/-0.006 χ^2/NDF: 28.8/25

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.004+/-0.004 χ^2/NDF: 52.2/45

All: -0.003+/-0.003 χ^2/NDF: 104.7/94

- sign -0.002+/-0.004 χ^2/NDF: 52.4/48



Right In: 18.133+/-0.004 χ^2/NDF: 2387861.5/20

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

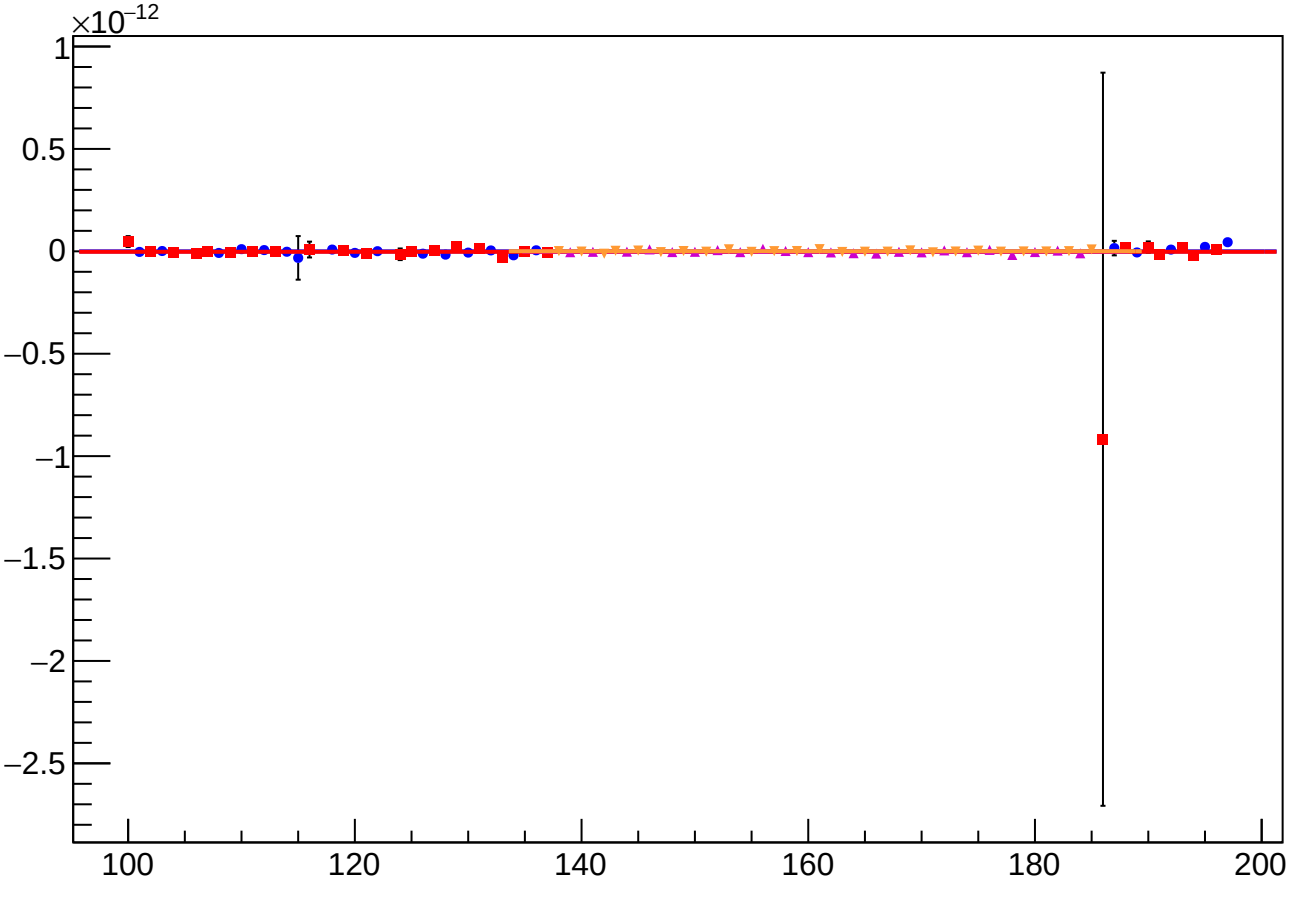
Right Out: 18.776+/-0.004 χ^2/NDF: 2819529.4/25

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.793+/-0.003 χ^2/NDF: 7104795.5/45

All: 19.874+/-0.002 χ^2/NDF: 13597429.0/94

- sign 19.954+/-0.003 χ^2/NDF: 6490978.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

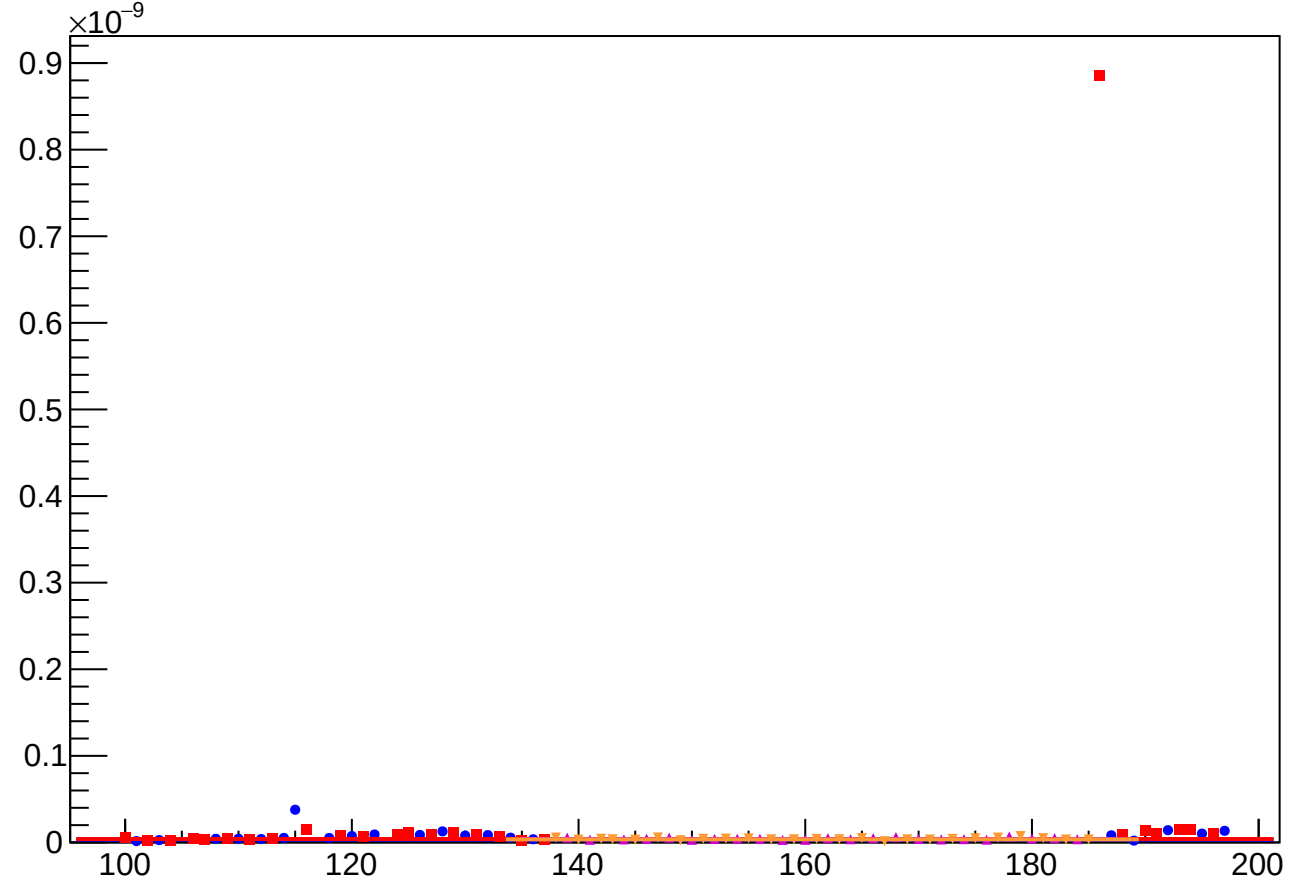
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/25

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.2/45

All: -0.000+/-0.000 χ^2/NDF: 82.6/94

- sign -0.000+/-0.000 χ^2/NDF: 48.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 4423481.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5358599.6/25

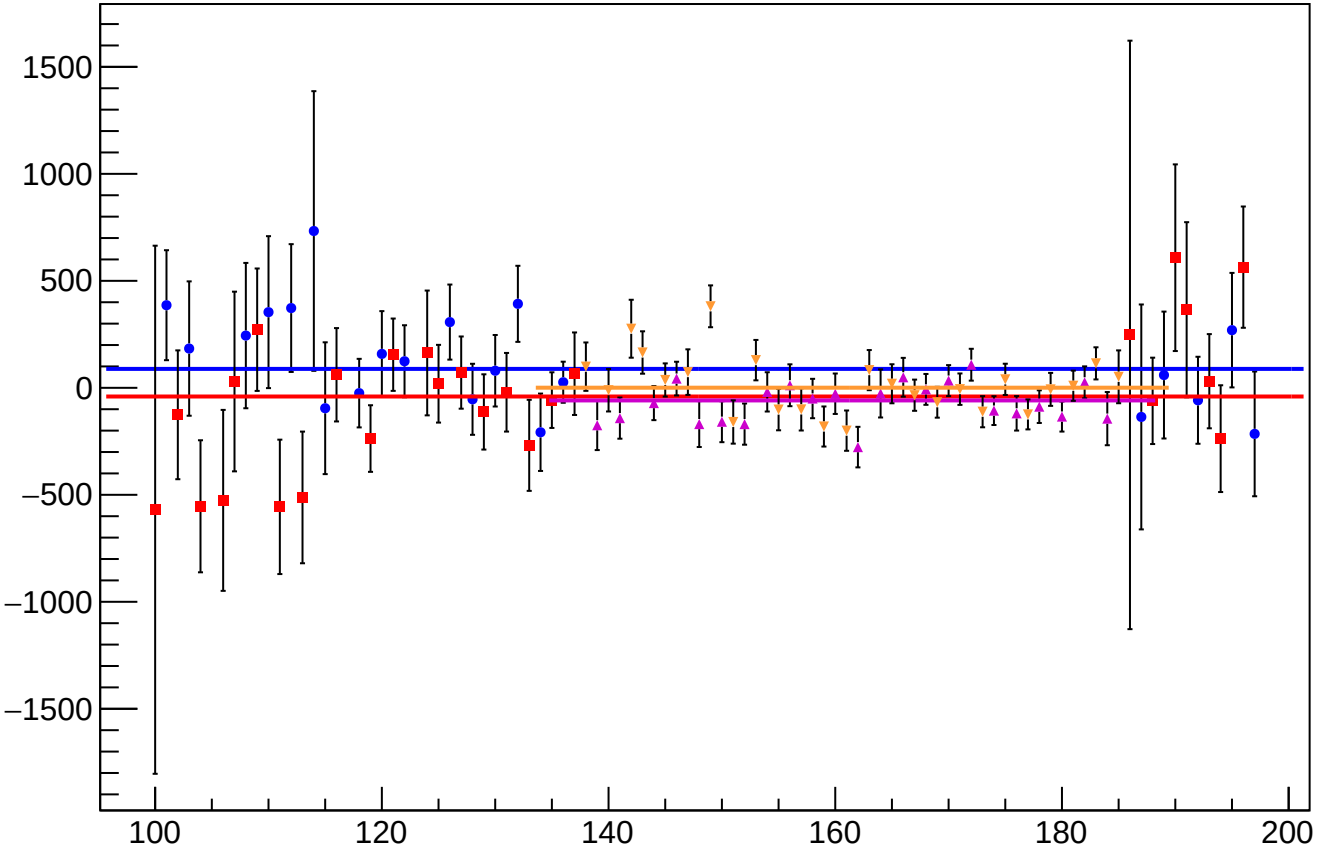
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7015980.8/45

All: 0.000+/-0.000 χ^2/NDF: 13861005.2/94

- sign 0.000+/-0.000 χ^2/NDF: 6557757.6/48

reg_asym_sam_26_avg_mean vs Slug



Right In: 88.456+/-44.468 χ^2/NDF: 15.7/20

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -40.559+/-44.881 χ^2/NDF: 25.0/25

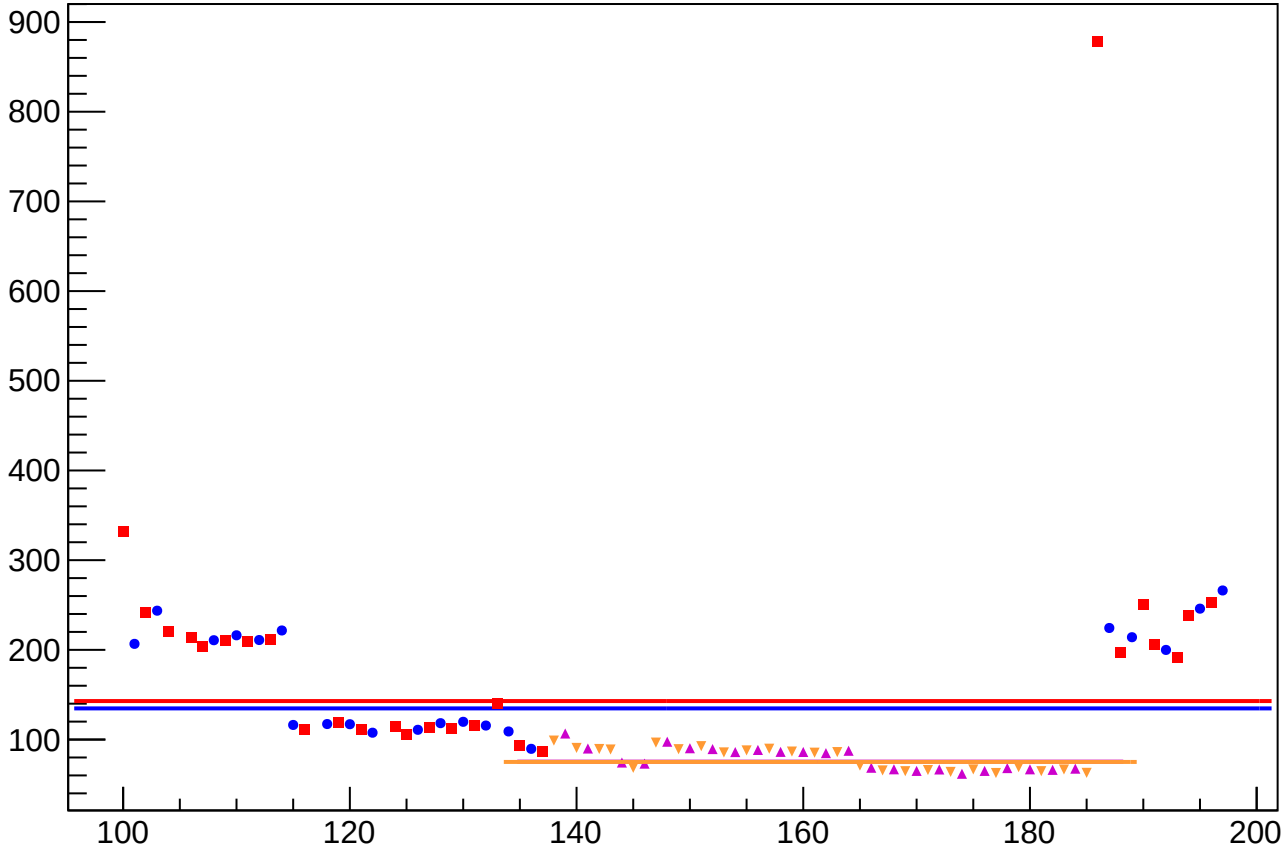
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.170+/-16.138 χ^2/NDF: 67.7/45

All: -21.126+/-11.575 χ^2/NDF: 127.4/94

- sign -56.394+/-16.610 χ^2/NDF: 50.9/48

reg_asym_sam_26_avg_rms vs Slug



Right In: 134.726+/-0.031 χ^2/NDF: 2604893.9/20

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

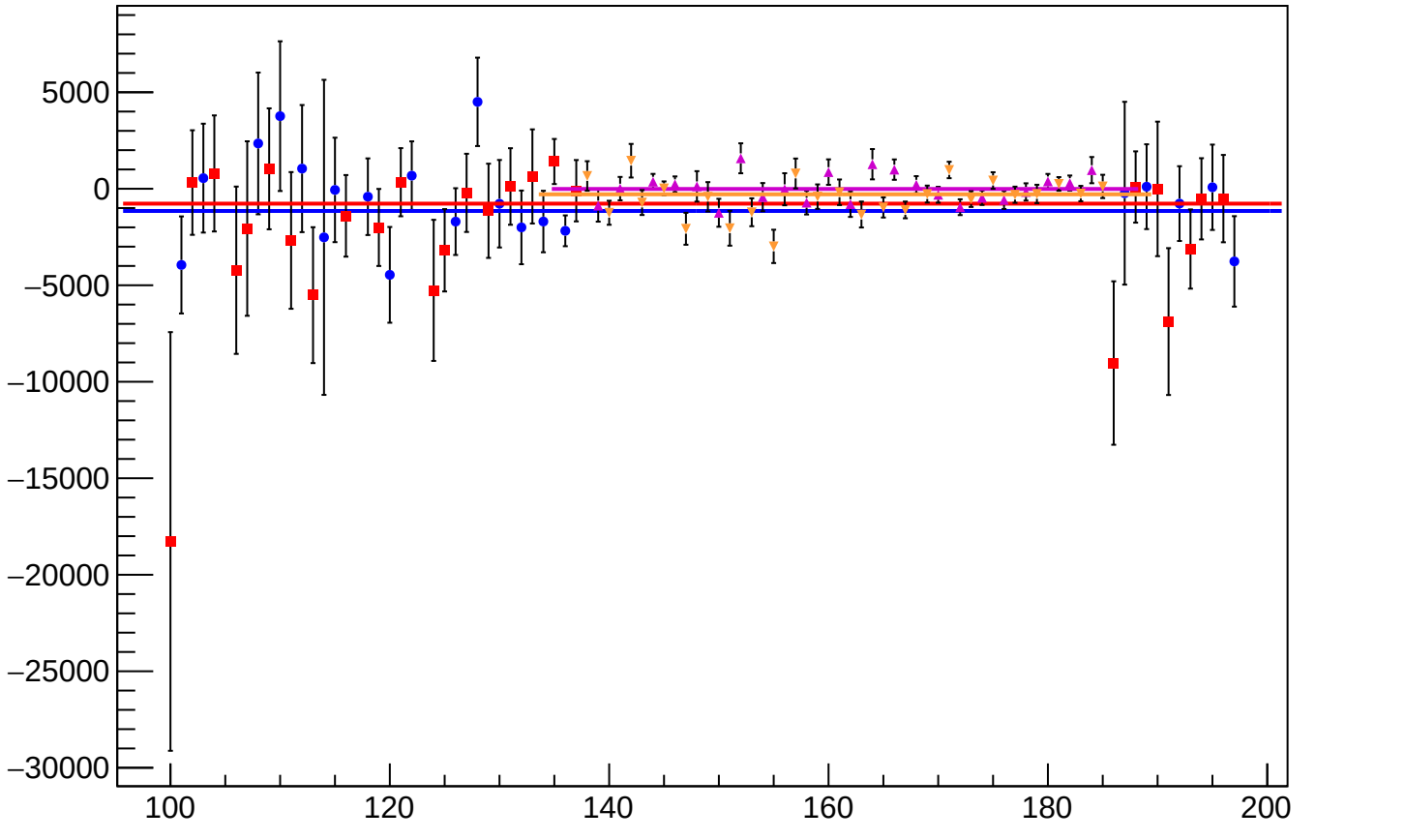
Right Out: 142.915+/-0.032 χ^2/NDF: 3256355.3/25

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 82.903+/-0.011 χ^2/NDF: 6661392.4/45

All: 83.729+/-0.008 χ^2/NDF: 14677680.6/94

- sign 84.605+/-0.012 χ^2/NDF: 8005476.2/48



Right In: -1151.153+/-435.815 χ^2/NDF: 17.9/20

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -771.712+/-454.900 χ^2/NDF: 22.1/25

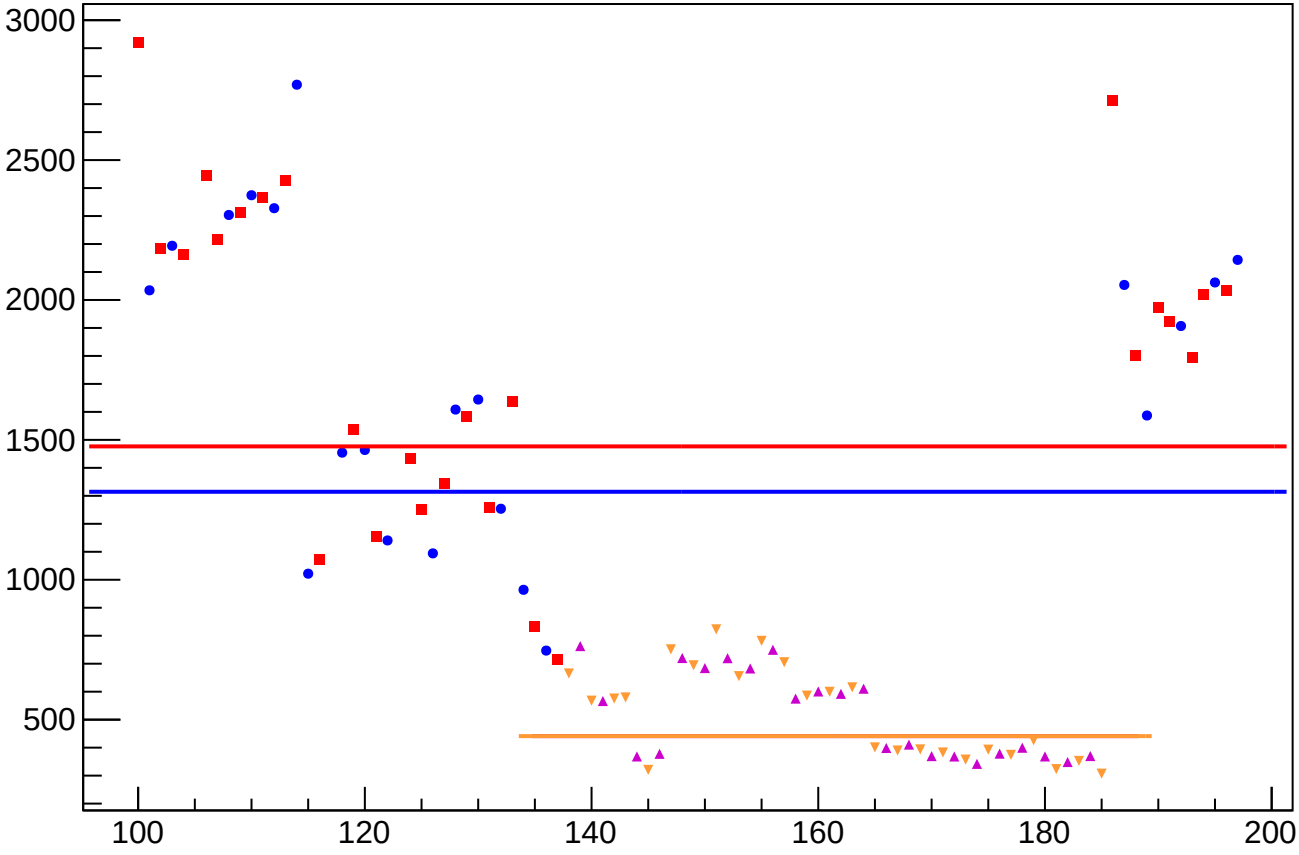
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -335.626+/-102.292 χ^2/NDF: 74.9/45

All: -196.734+/-73.193 χ^2/NDF: 136.9/94

- sign -51.017+/-104.775 χ^2/NDF: 58.2/48

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1314.506+/-0.308 χ^2/NDF: 2929795.9/20

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1476.676+/-0.322 χ^2/NDF: 2721767.8/25

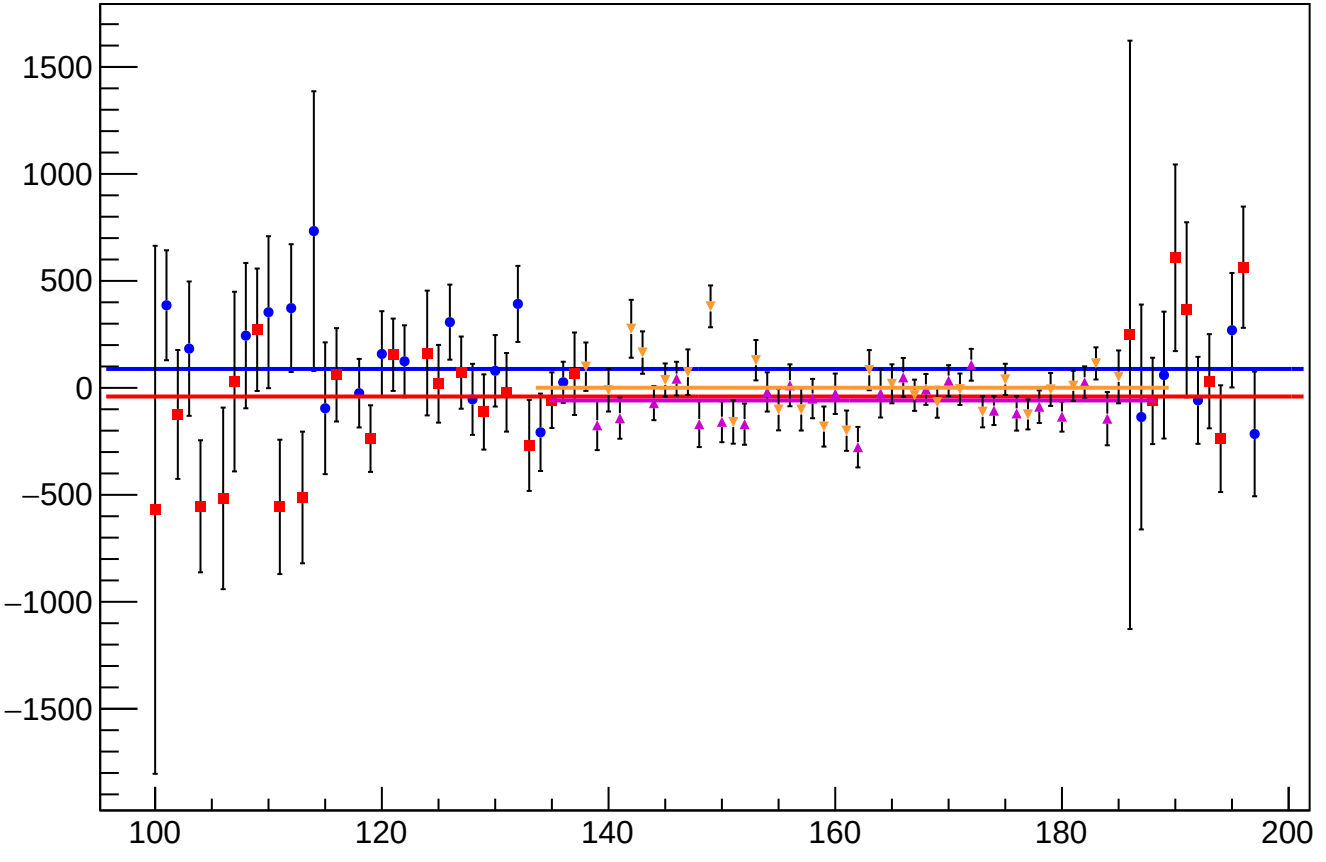
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 489.243+/-0.072 χ^2/NDF: 13754053.9/45

All: 492.603+/-0.052 χ^2/NDF: 28975485.3/94

- sign 496.128+/-0.074 χ^2/NDF: 15217010.4/48

cor_asym_sam_26_avg_mean vs Slug



Right In: 88.443+/-44.468 χ^2/NDF: 15.7/20

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -40.366+/-44.884 χ^2/NDF: 24.9/25

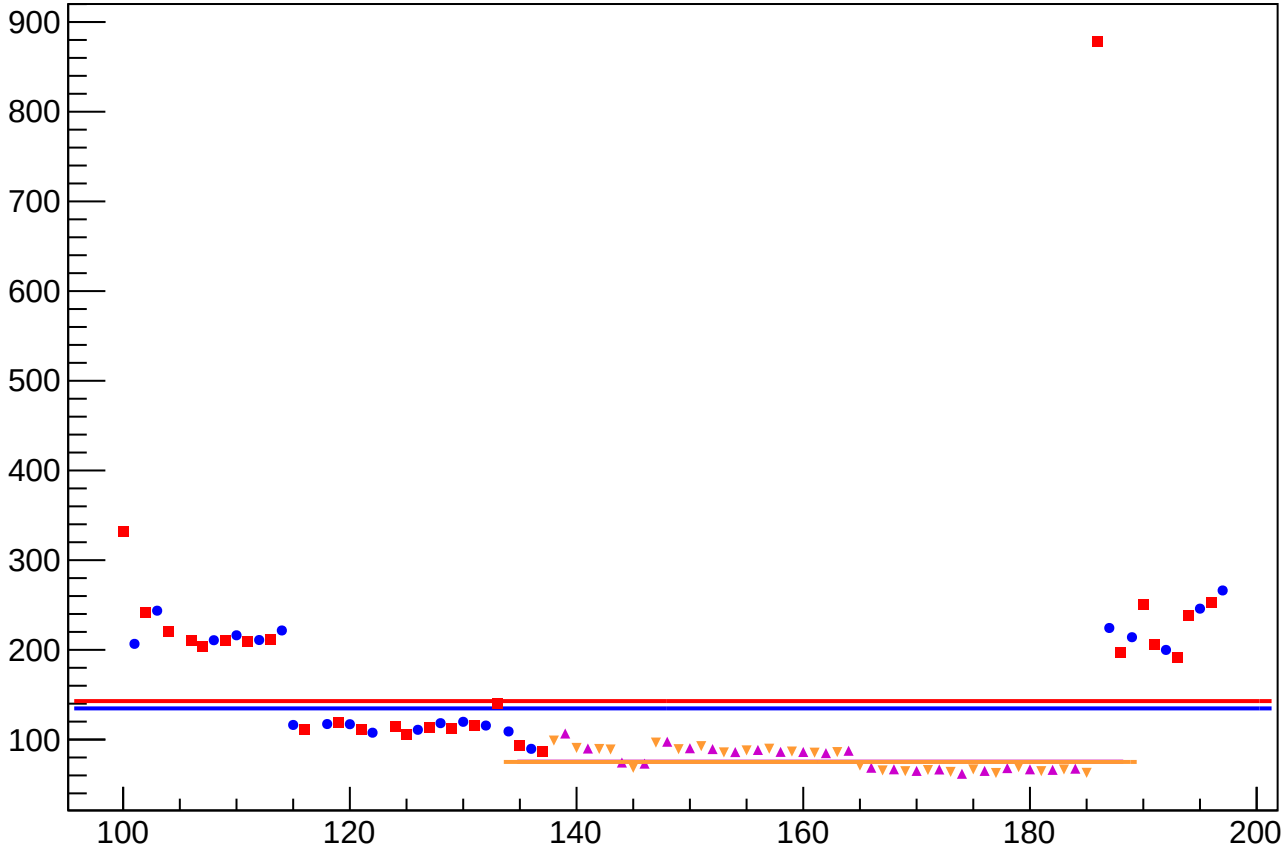
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.168+/-16.138 χ^2/NDF: 67.7/45

All: -21.113+/-11.575 χ^2/NDF: 127.3/94

- sign -56.365+/-16.610 χ^2/NDF: 50.9/48

cor_asym_sam_26_avg_rms vs Slug



Right In: 134.726+/-0.031 χ^2/NDF: 2604896.4/20

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

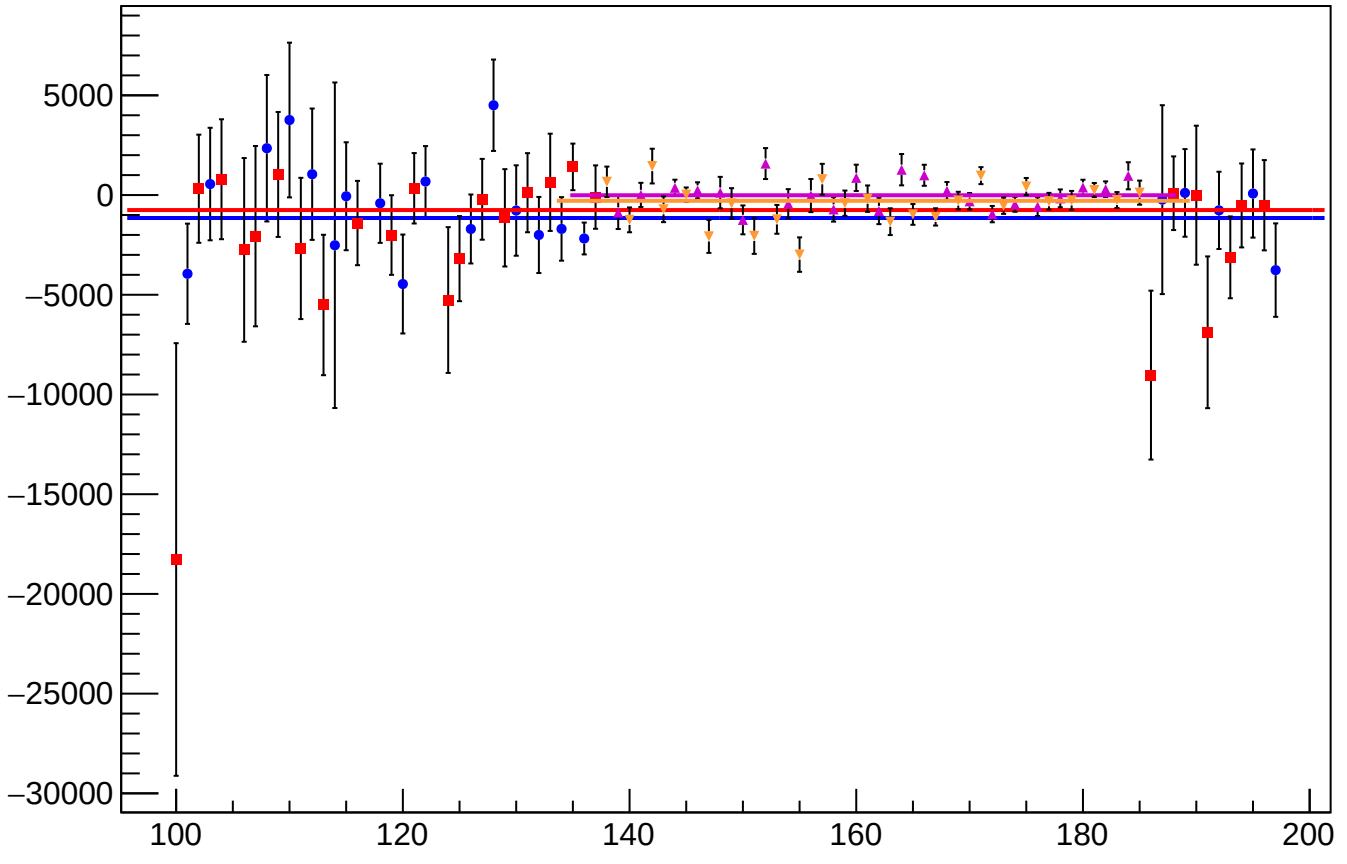
Right Out: 142.875+/-0.032 χ^2/NDF: 3251528.9/25

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 82.903+/-0.011 χ^2/NDF: 6661394.4/45

All: 83.726+/-0.008 χ^2/NDF: 14667826.4/94

- sign 84.599+/-0.012 χ^2/NDF: 7995699.6/48



Right In: -1151.139+/-435.815 χ^2/NDF: 17.9/20

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -753.157+/-455.197 χ^2/NDF: 21.7/25

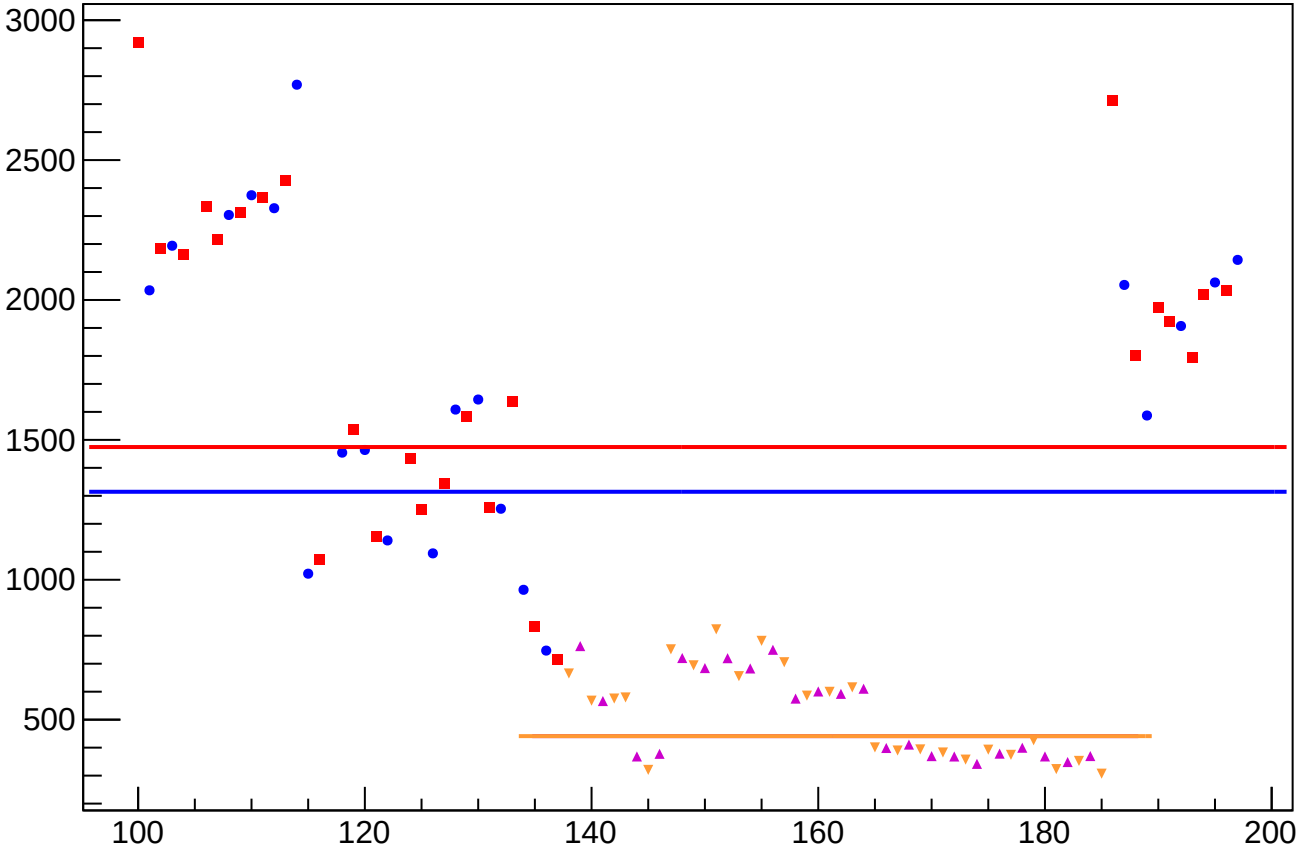
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -335.625+/-102.292 χ^2/NDF: 74.9/45

All: -196.235+/-73.194 χ^2/NDF: 136.3/94

- sign -49.986+/-104.778 χ^2/NDF: 57.6/48

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1314.506+/-0.308 χ^2/NDF: 2929826.1/20

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1474.398+/-0.322 χ^2/NDF: 2691801.1/25

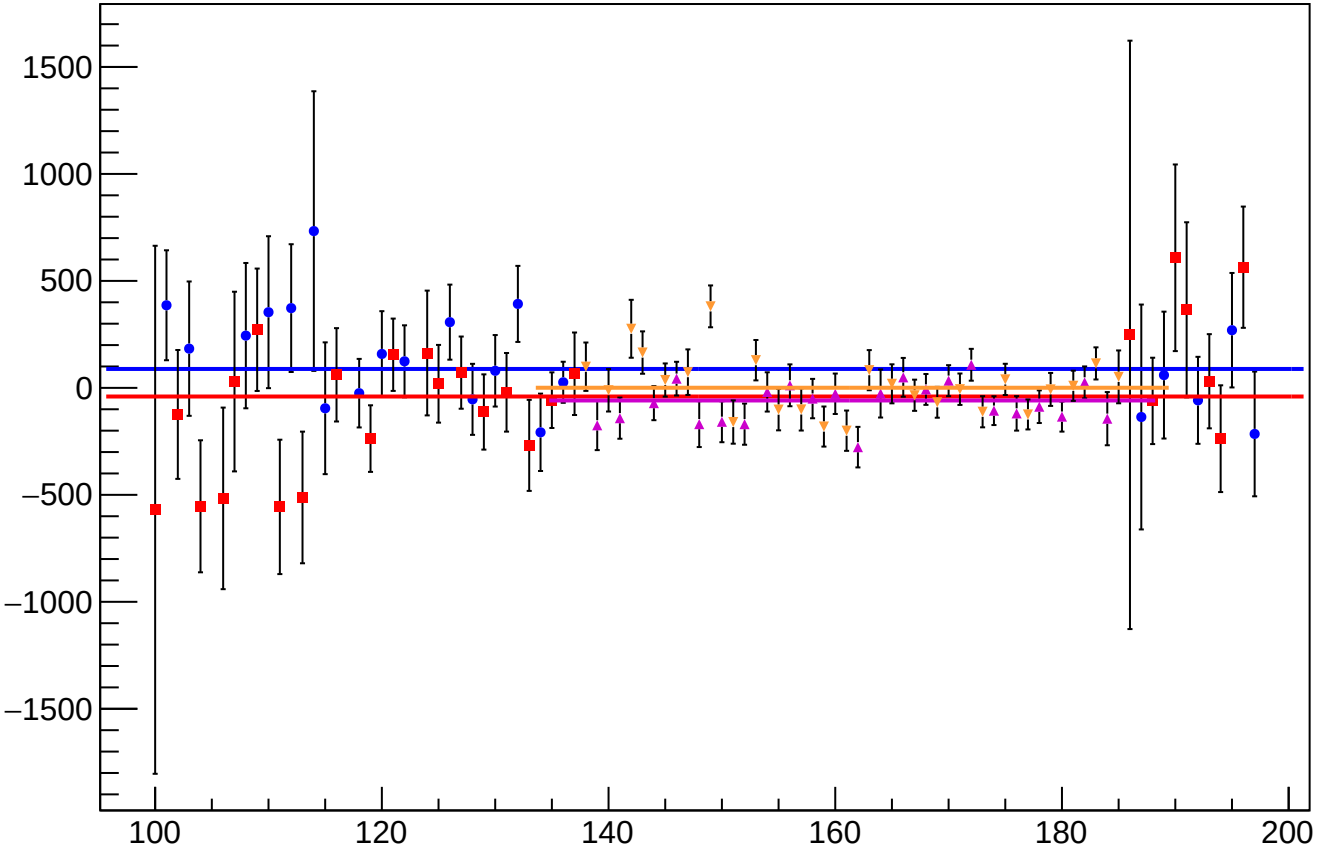
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 489.243+/-0.072 χ^2/NDF: 13754060.8/45

All: 492.511+/-0.052 χ^2/NDF: 28890094.3/94

- sign 495.939+/-0.074 χ^2/NDF: 15131851.1/48

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 88.443+/-44.468 χ^2/NDF: 15.7/20

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -40.366+/-44.884 χ^2/NDF: 24.9/25

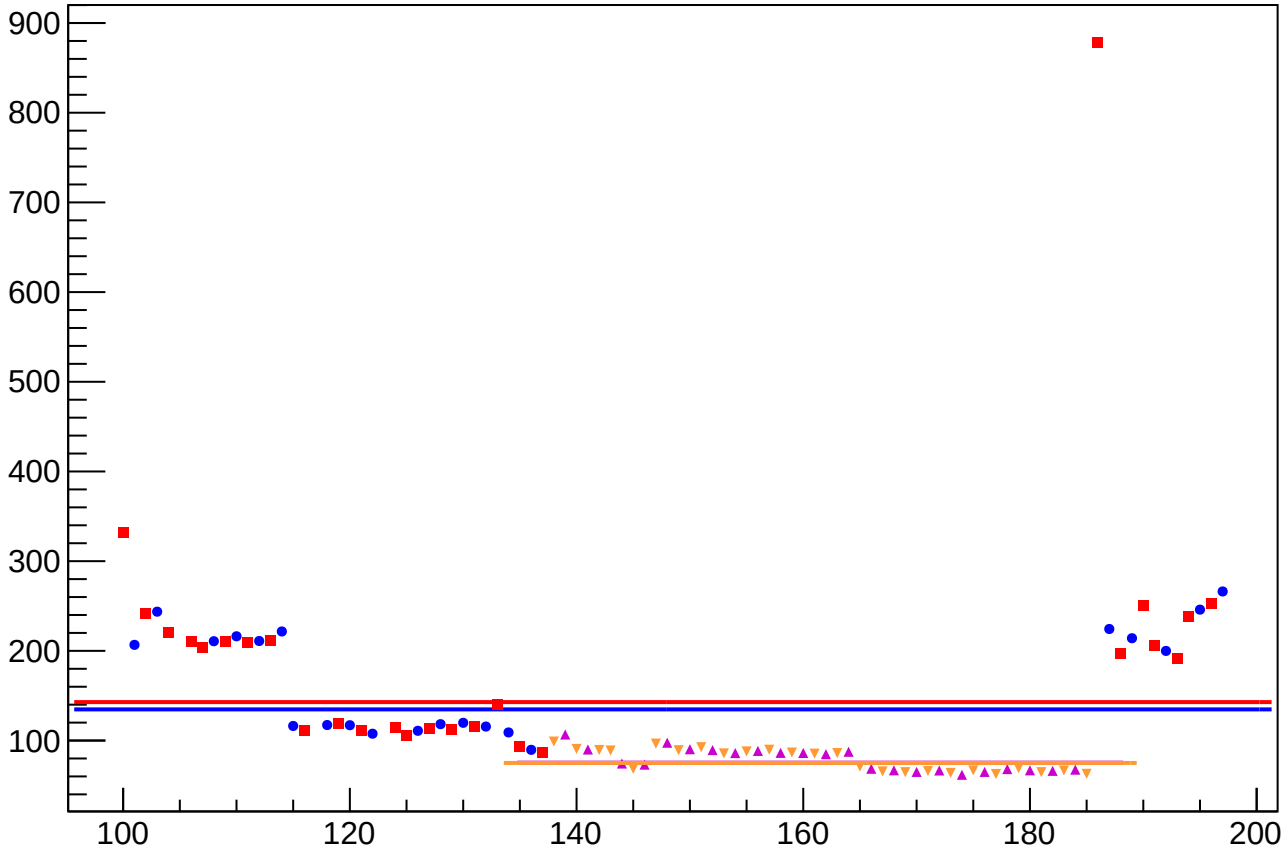
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.168+/-16.138 χ^2/NDF: 67.7/45

All: -21.113+/-11.575 χ^2/NDF: 127.3/94

- sign -56.365+/-16.610 χ^2/NDF: 50.9/48

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 134.726+/-0.031 χ^2/NDF: 2604896.4/20

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

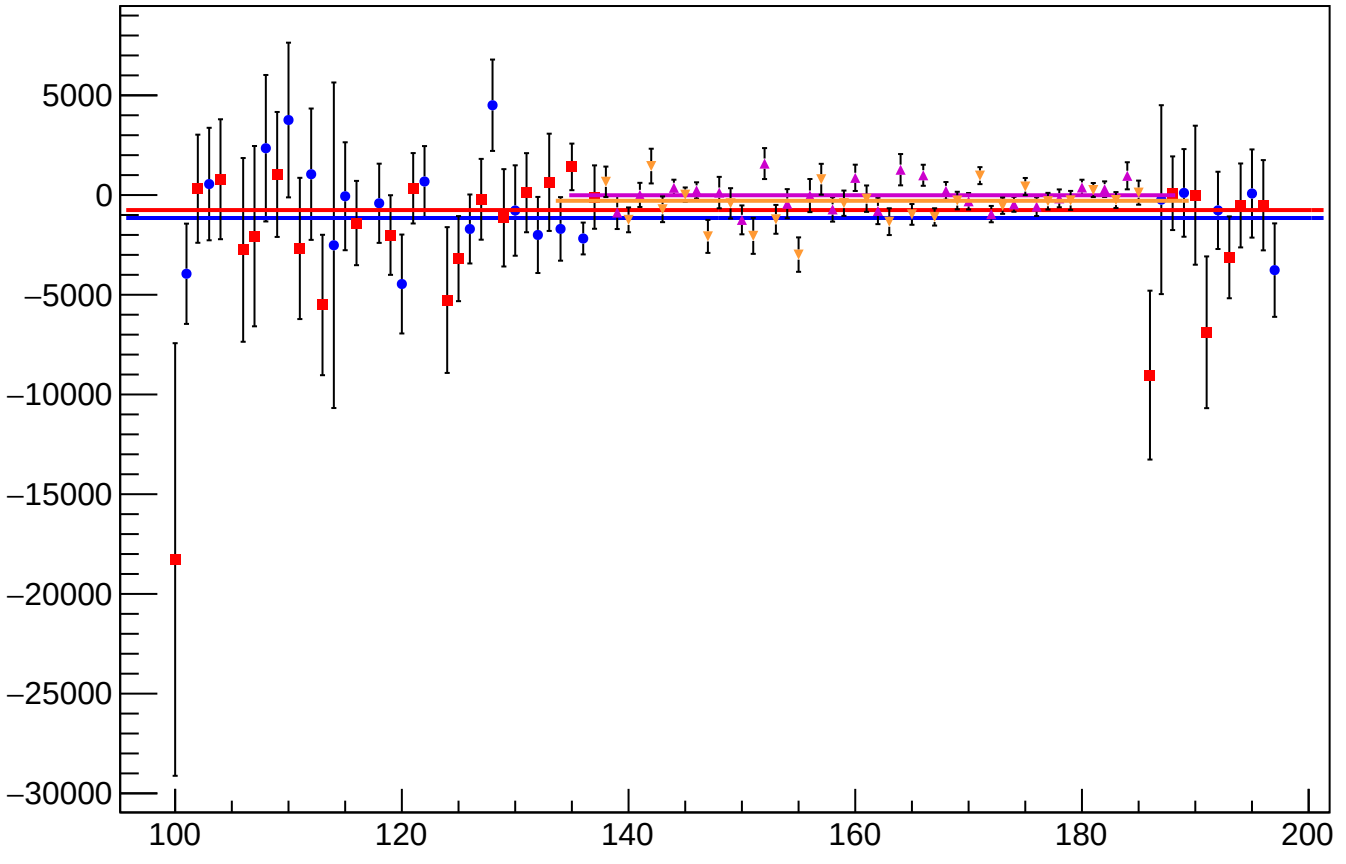
Right Out: 142.875+/-0.032 χ^2/NDF: 3251528.9/25

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

\+ sign 82.903+/-0.011 χ^2/NDF: 6661394.4/45

All: 83.726+/-0.008 χ^2/NDF: 14667826.4/94

\- sign 84.599+/-0.012 χ^2/NDF: 7995699.6/48



Right In: -1151.139+/-435.815 χ^2/NDF: 17.9/20

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -753.157+/-455.197 χ^2/NDF: 21.7/25

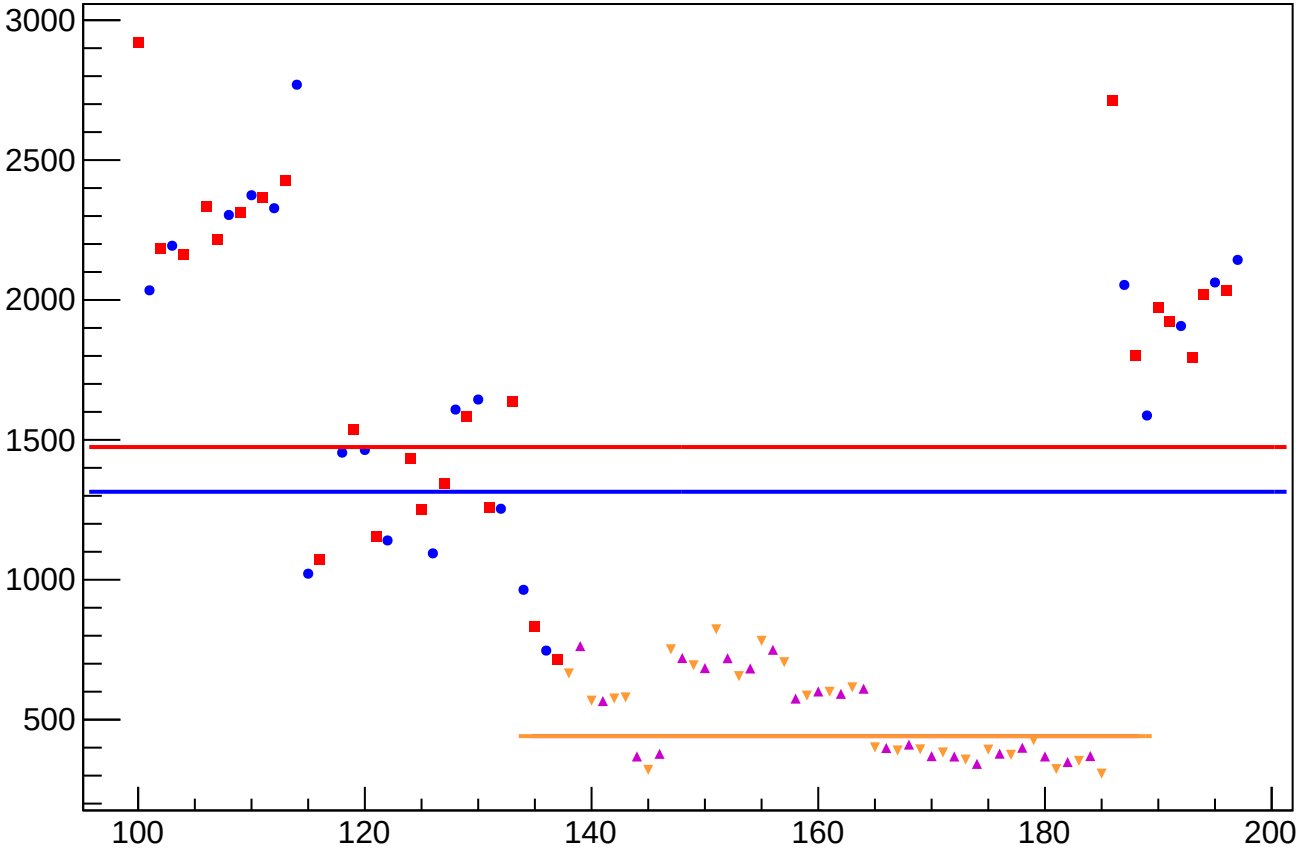
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -335.625+/-102.292 χ^2/NDF: 74.9/45

All: -196.235+/-73.194 χ^2/NDF: 136.3/94

- sign -49.986+/-104.778 χ^2/NDF: 57.6/48

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1314.506+/-0.308 χ^2/NDF: 2929826.1/20

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1474.398+/-0.322 χ^2/NDF: 2691801.1/25

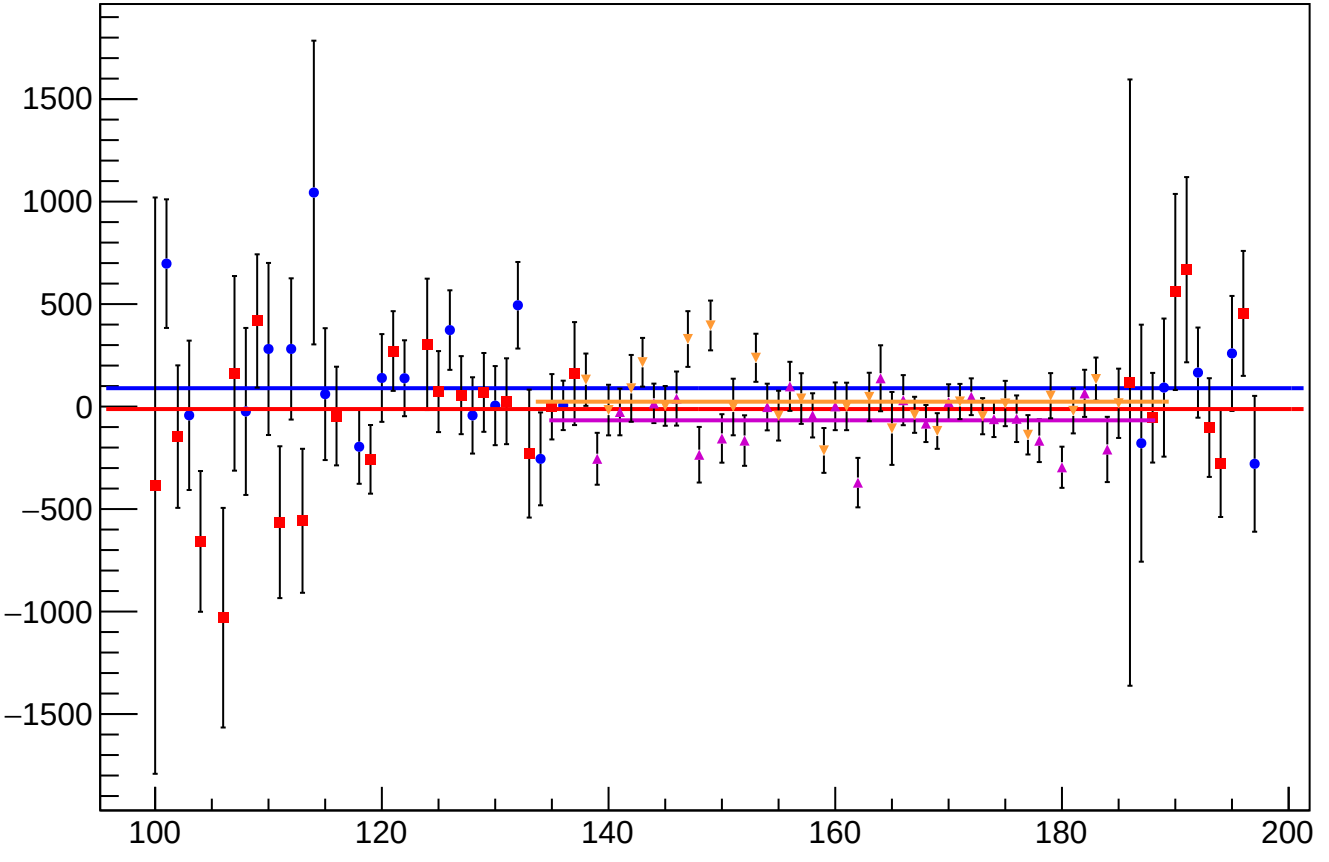
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 489.243+/-0.072 χ^2/NDF: 13754060.8/45

All: 492.511+/-0.052 χ^2/NDF: 28890094.3/94

- sign 495.939+/-0.074 χ^2/NDF: 15131851.1/48

dit_asym_sam_26_avg_mean vs Slug



Right In: 89.649+/-51.421 χ^2/NDF: 20.0/20

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -12.089+/-51.247 χ^2/NDF: 27.9/25

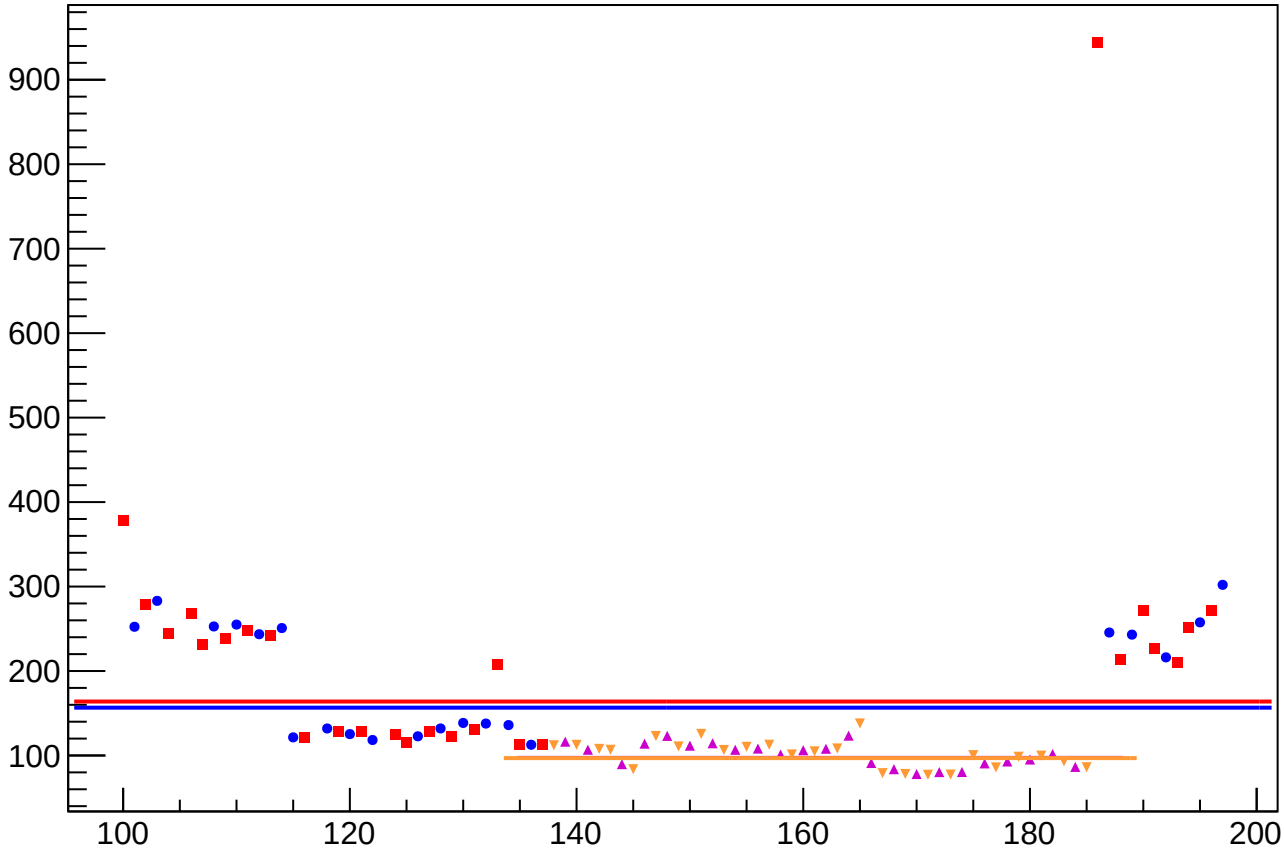
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 34.375+/-20.547 χ^2/NDF: 56.6/45

All: -10.535+/-14.712 χ^2/NDF: 123.8/94

- sign -57.784+/-21.075 χ^2/NDF: 57.5/48

dit_asym_sam_26_avg_rms vs Slug



Right In: 156.613+/-0.036 χ^2/NDF: 2378778.0/20

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

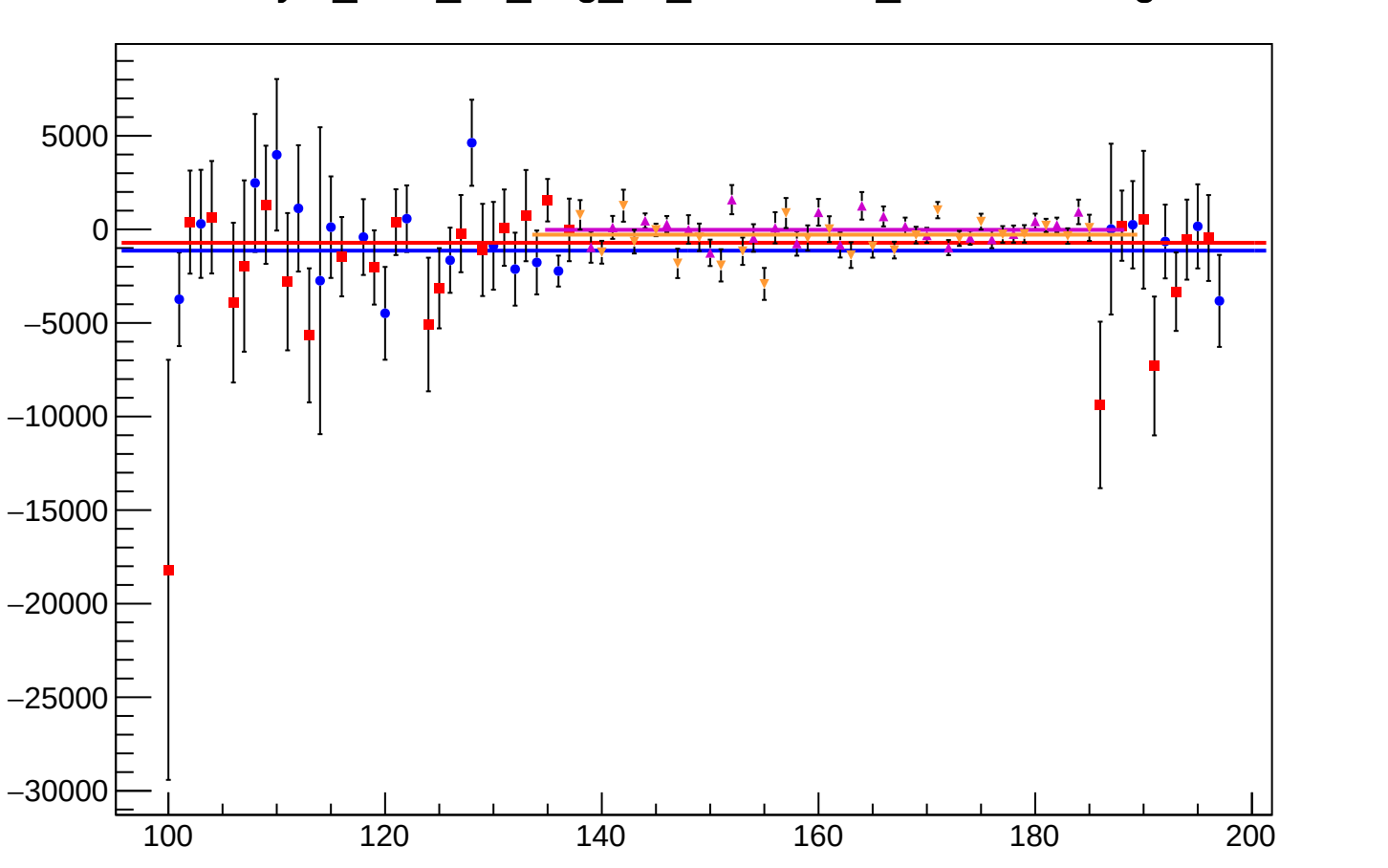
Right Out: 163.877+/-0.036 χ^2/NDF: 3043925.1/25

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 106.440+/-0.015 χ^2/NDF: 5578622.6/45

All: 107.419+/-0.010 χ^2/NDF: 12122235.9/94

- sign 108.450+/-0.015 χ^2/NDF: 6534292.3/48



Right In: -1136.891+/-447.478 χ^2/NDF: 18.0/20

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -717.108+/-458.266 χ^2/NDF: 23.5/25

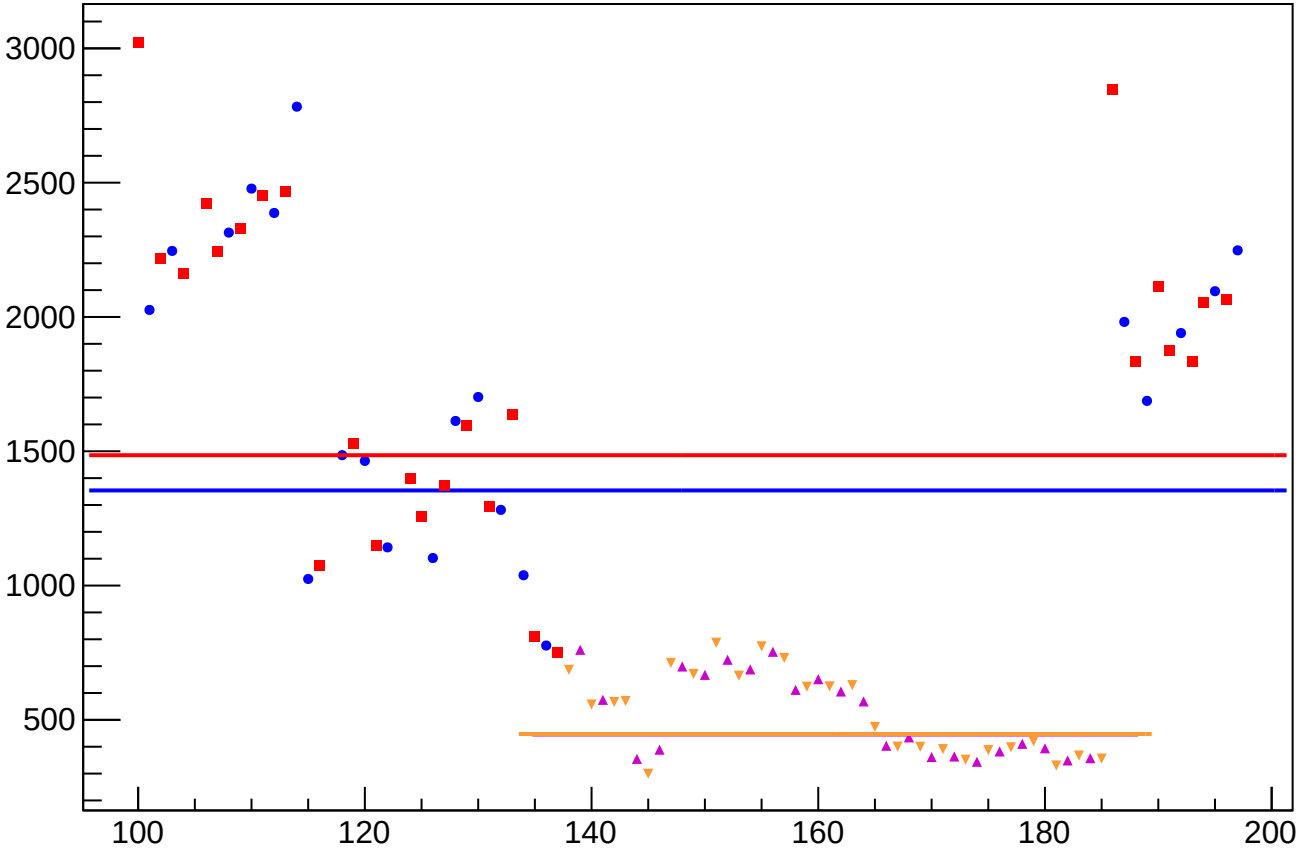
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -328.142+/-103.509 χ^2/NDF: 71.9/45

All: -197.972+/-74.034 χ^2/NDF: 133.7/94

- sign -61.629+/-105.935 χ^2/NDF: 58.6/48

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1354.158+/-0.316 χ^2/NDF: 2836667.4/20

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1485.288+/-0.324 χ^2/NDF: 2824479.6/25

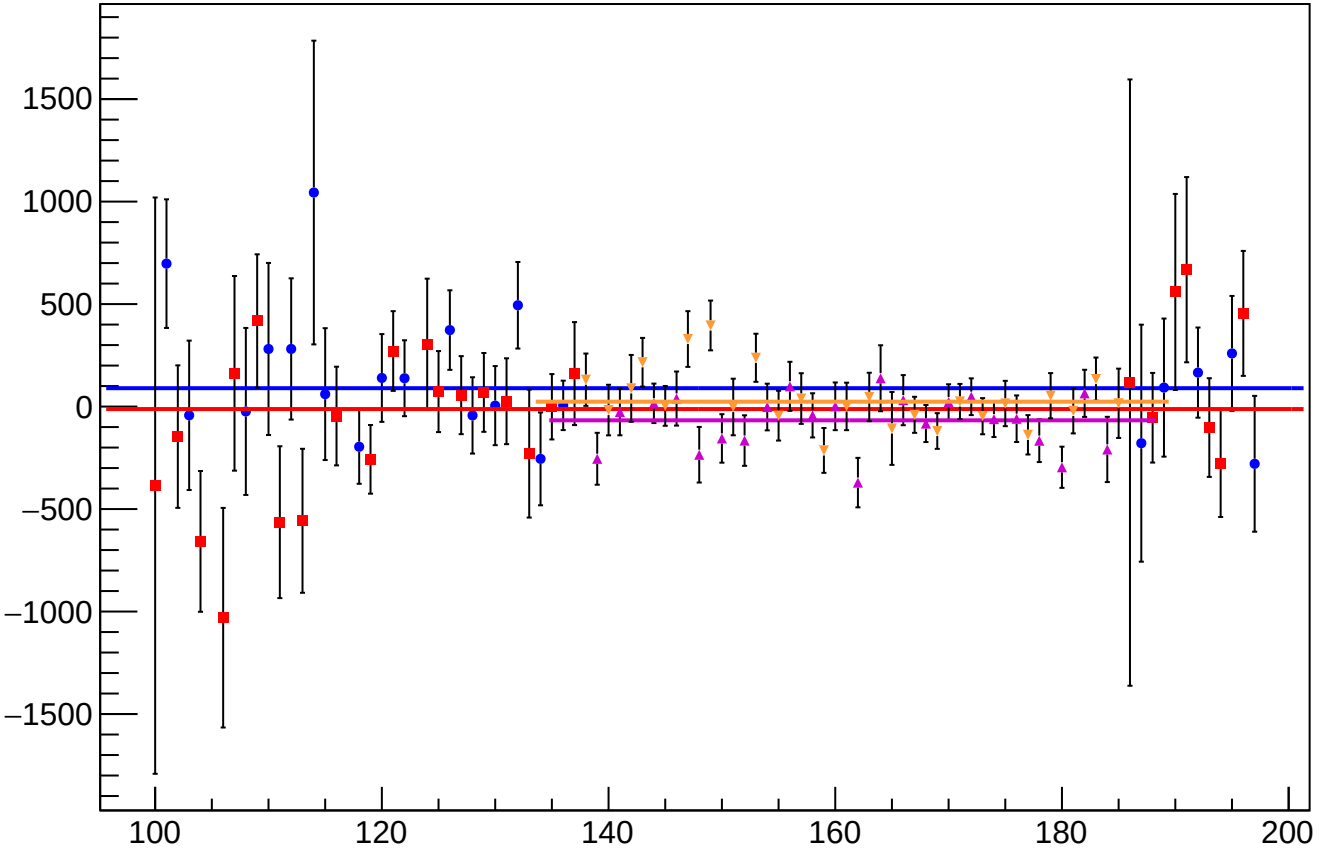
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 495.904+/-0.073 χ^2/NDF: 13807652.2/45

All: 498.420+/-0.052 χ^2/NDF: 29094198.5/94

- sign 501.055+/-0.075 χ^2/NDF: 15284127.9/48

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 89.651+/-51.421 χ^2/NDF: 20.0/20

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -12.090+/-51.247 χ^2/NDF: 27.9/25

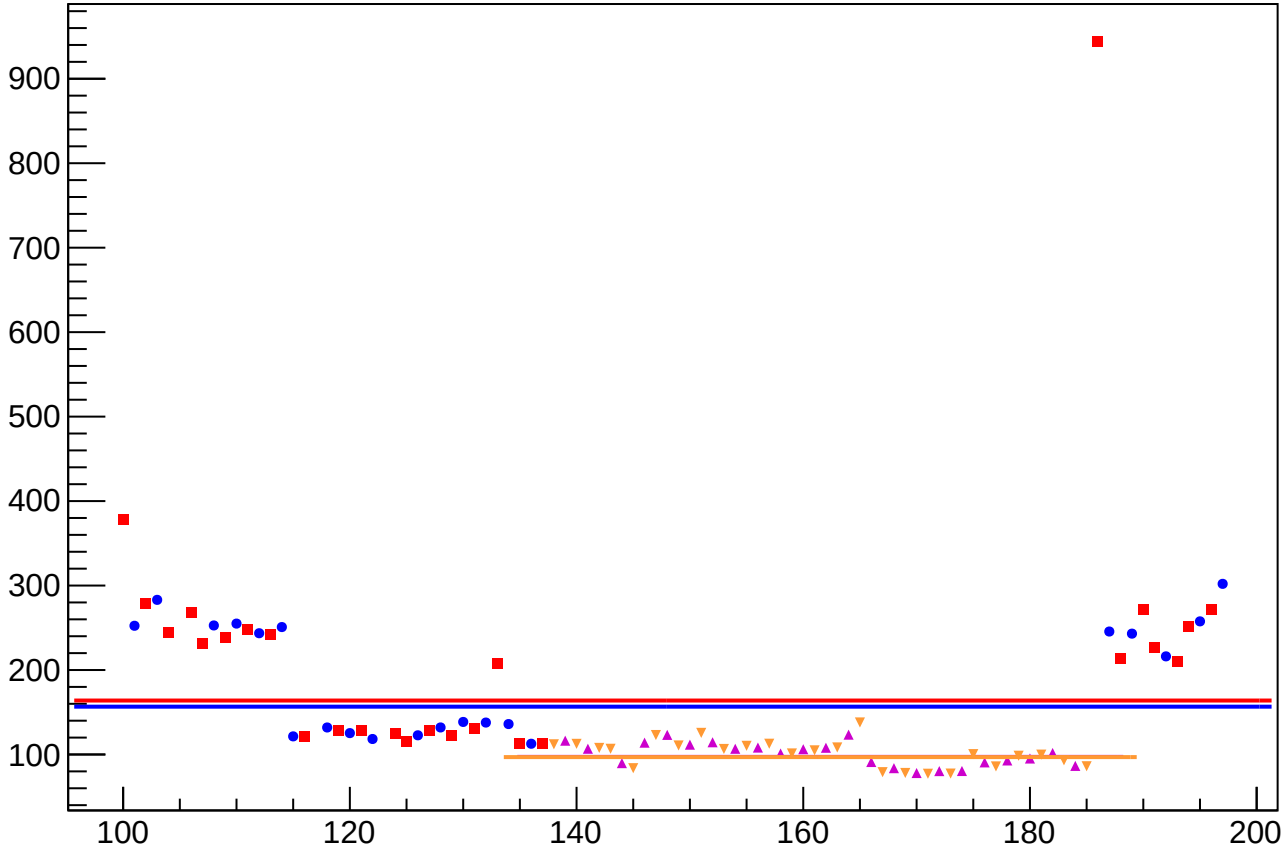
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 34.374+/-20.547 χ^2/NDF: 56.6/45

All: -10.535+/-14.712 χ^2/NDF: 123.8/94

- sign -57.784+/-21.075 χ^2/NDF: 57.5/48

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 156.613+/-0.036 χ^2/NDF: 2378779.0/20

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

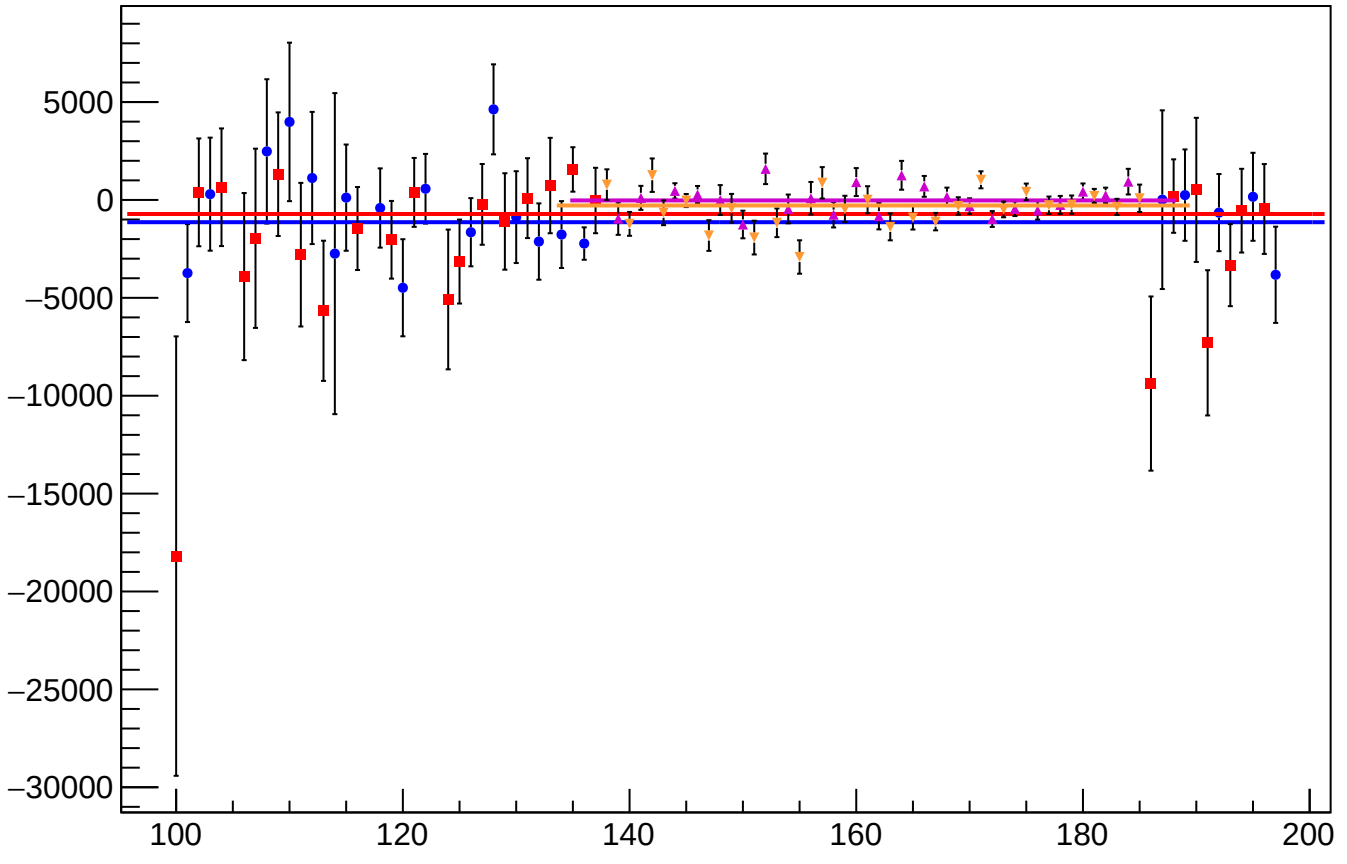
Right Out: 163.877+/-0.036 χ^2/NDF: 3043919.8/25

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 106.440+/-0.015 χ^2/NDF: 5578562.6/45

All: 107.420+/-0.010 χ^2/NDF: 12122106.8/94

- sign 108.450+/-0.015 χ^2/NDF: 6534222.1/48



Right In: -1136.888+/-447.477 χ^2/NDF: 18.0/20

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

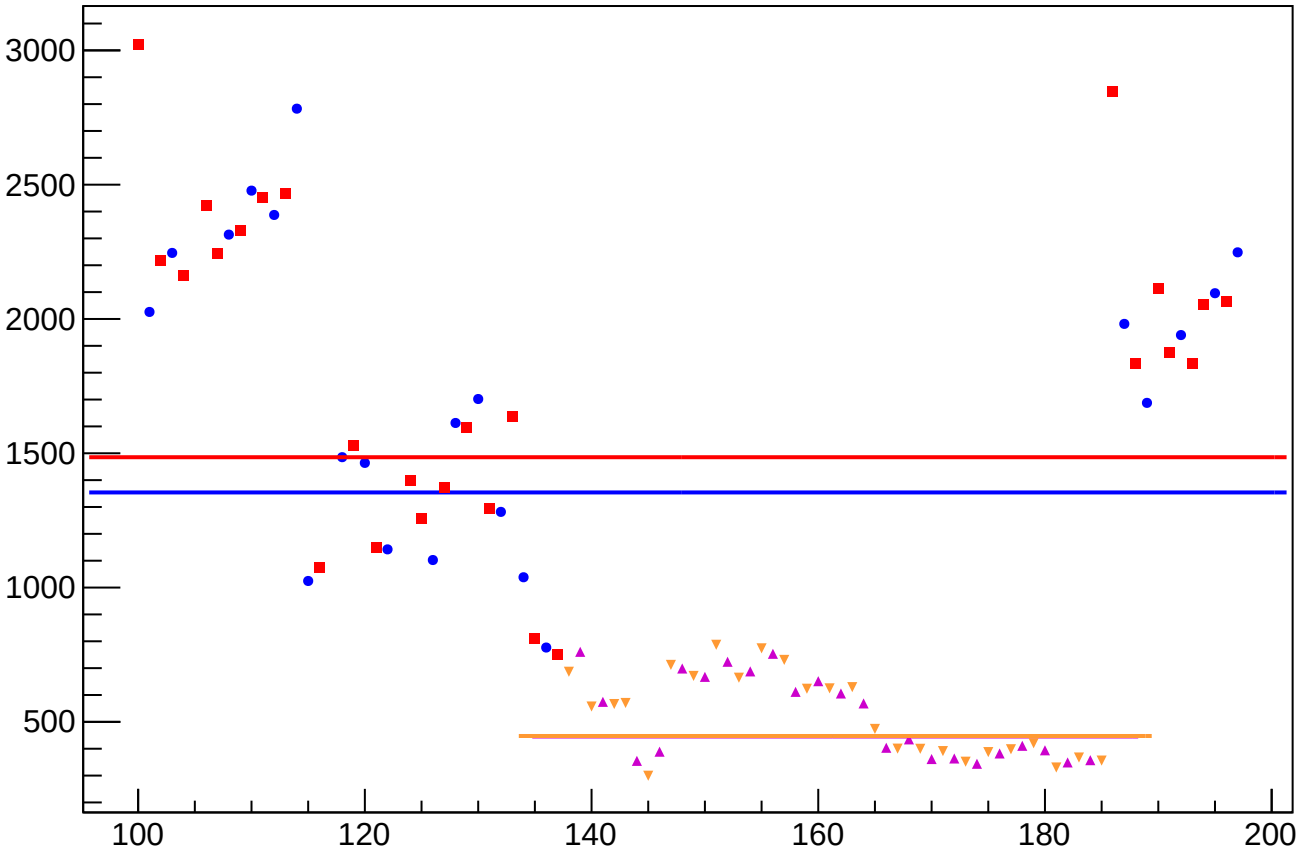
Right Out: -717.109+/-458.265 χ^2/NDF: 23.5/25

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -328.141+/-103.509 χ^2/NDF: 71.9/45

All: -197.972+/-74.034 χ^2/NDF: 133.7/94

- sign -61.630+/-105.934 χ^2/NDF: 58.6/48



Right In: 1354.157+/-0.316 χ^2/NDF: 2836648.9/20

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1485.288+/-0.324 χ^2/NDF: 2824466.2/25

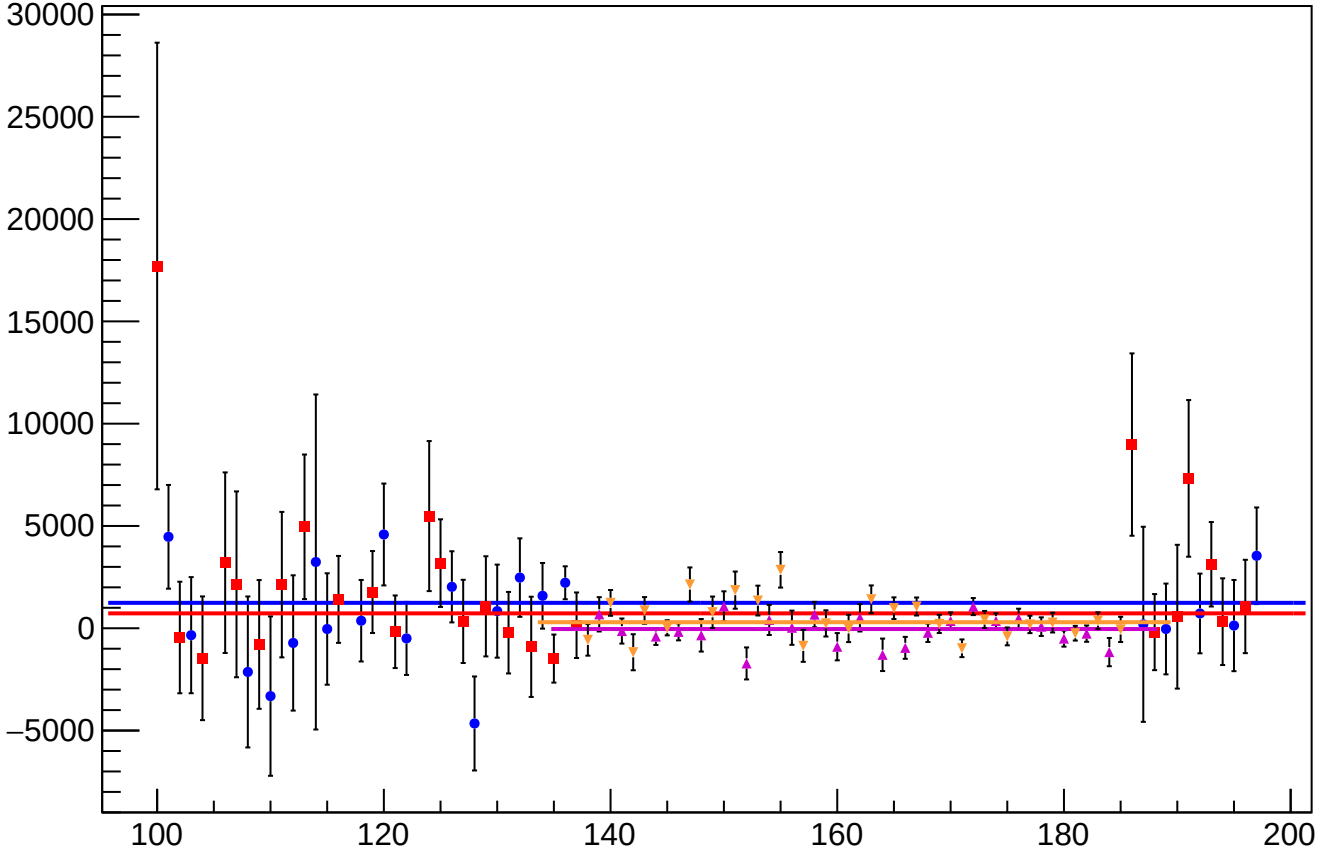
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 495.904+/-0.073 χ^2/NDF: 13807666.9/45

All: 498.419+/-0.052 χ^2/NDF: 29094216.7/94

- sign 501.054+/-0.075 χ^2/NDF: 15284131.4/48

asym_sam_26_avg_mean vs Slug



Right In: 1242.582+/-438.682 χ^2/NDF: 18.1/20

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 727.679+/-457.725 χ^2/NDF: 21.4/25

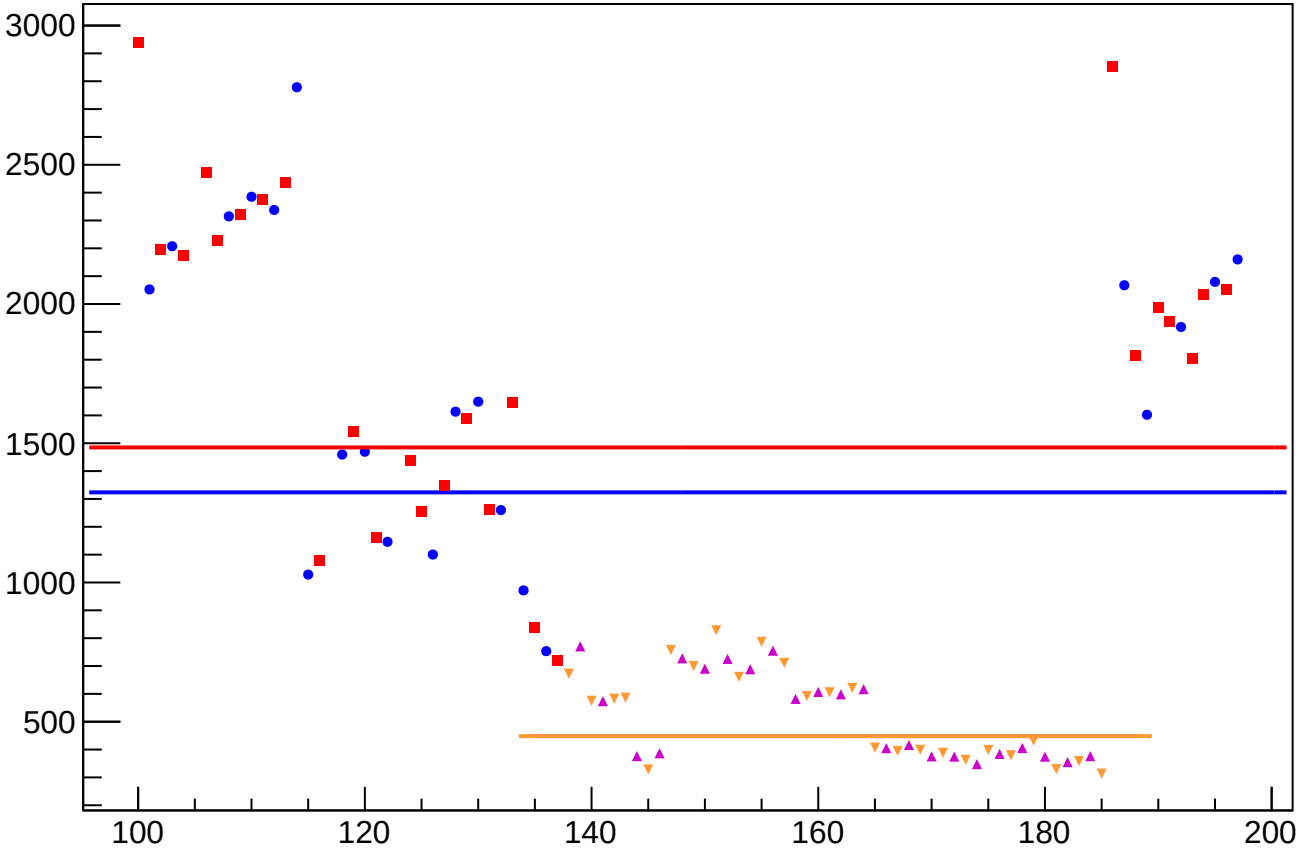
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 348.037+/-103.778 χ^2/NDF: 73.0/45

All: 179.806+/-74.266 χ^2/NDF: 135.4/94

- sign 3.214+/-106.325 χ^2/NDF: 57.0/48

asym_sam_26_avg_rms vs Slug



Right In: 1323.632+/-0.310 χ^2/NDF: 2918174.5/20

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

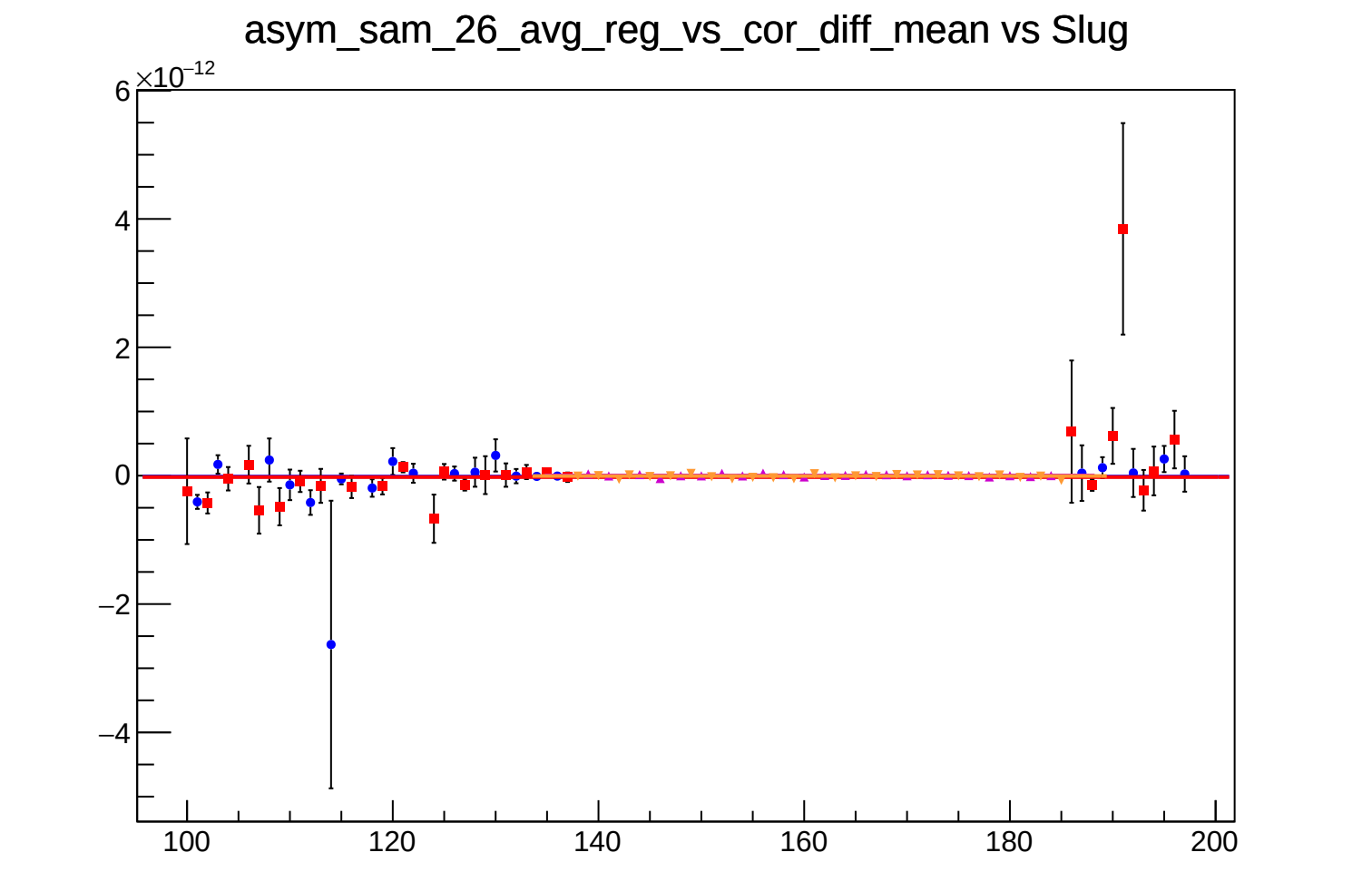
Right Out: 1484.999+/-0.324 χ^2/NDF: 2740003.4/25

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 497.267+/-0.073 χ^2/NDF: 13592796.7/45

All: 500.713+/-0.053 χ^2/NDF: 28662166.2/94

- sign 504.331+/-0.075 χ^2/NDF: 15064848.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

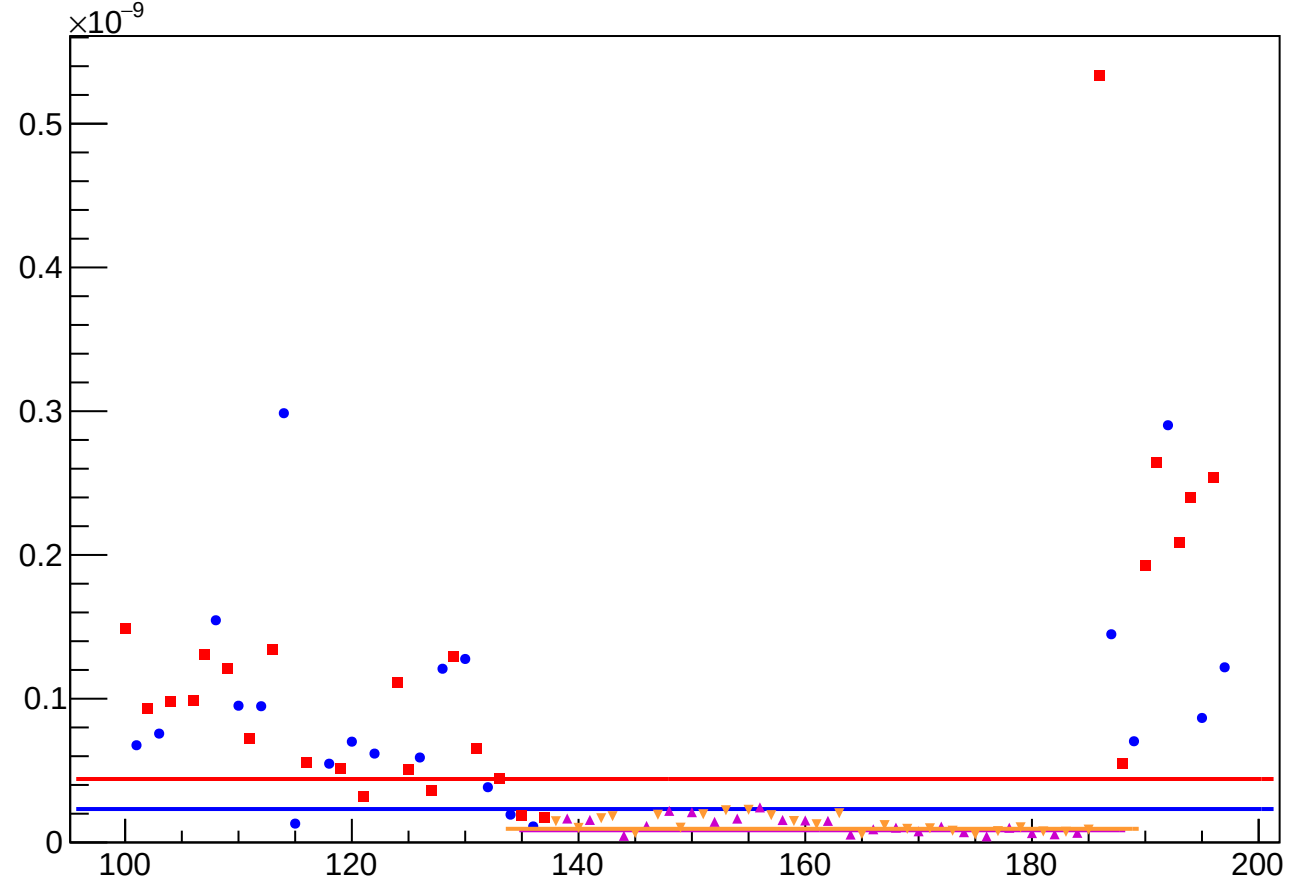
Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/25

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.9/45

All: -0.000+/-0.000 χ^2/NDF: 110.9/94

- sign 0.000+/-0.000 χ^2/NDF: 55.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 5200917.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

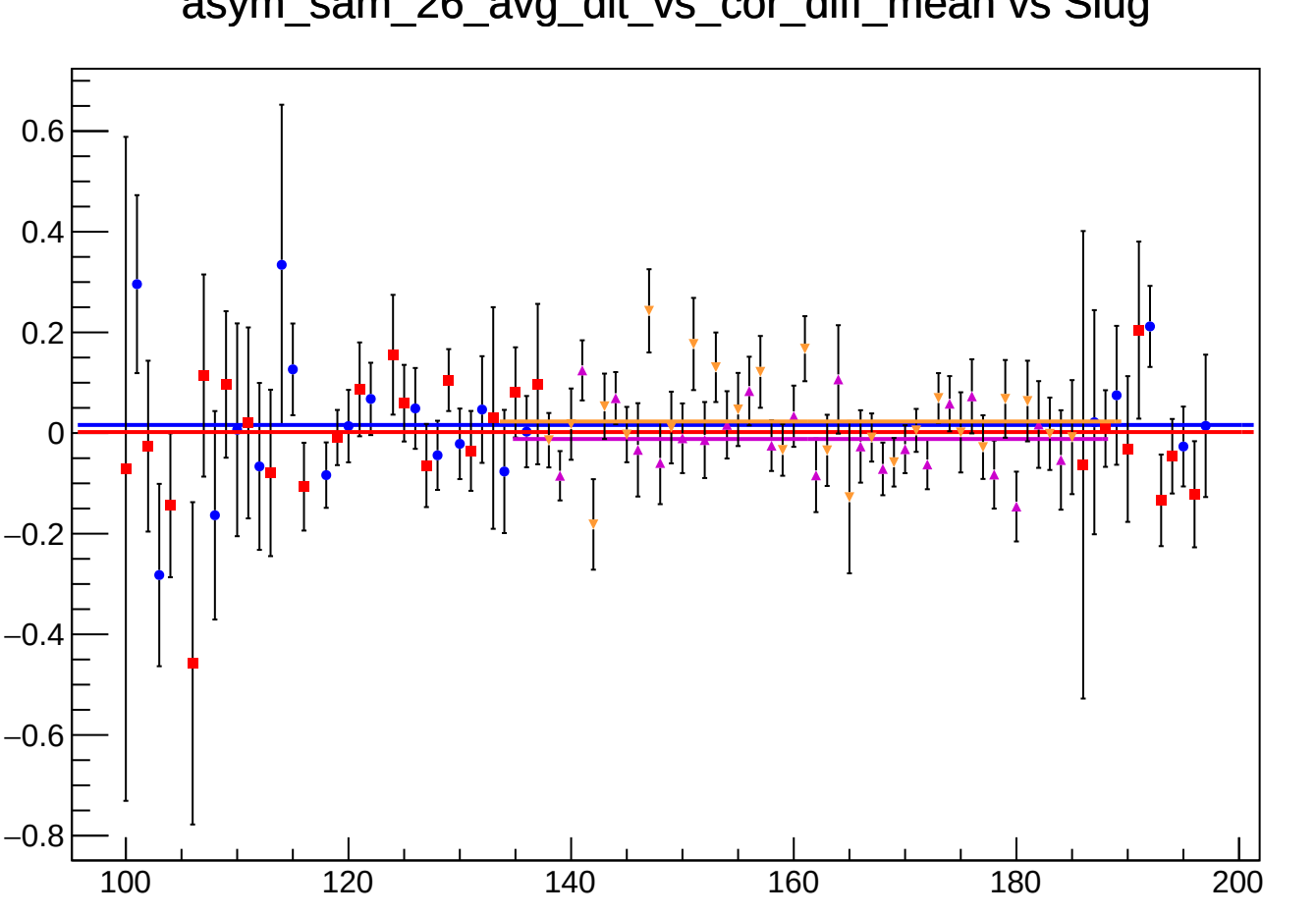
Right Out: 0.000+/-0.000 χ^2/NDF: 4341042.4/25

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8791783.7/45

All: 0.000+/-0.000 χ^2/NDF: 19586114.6/94

- sign 0.000+/-0.000 χ^2/NDF: 10733255.0/48



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/20

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.002+/-0.020 χ^2/NDF: 19.0/25

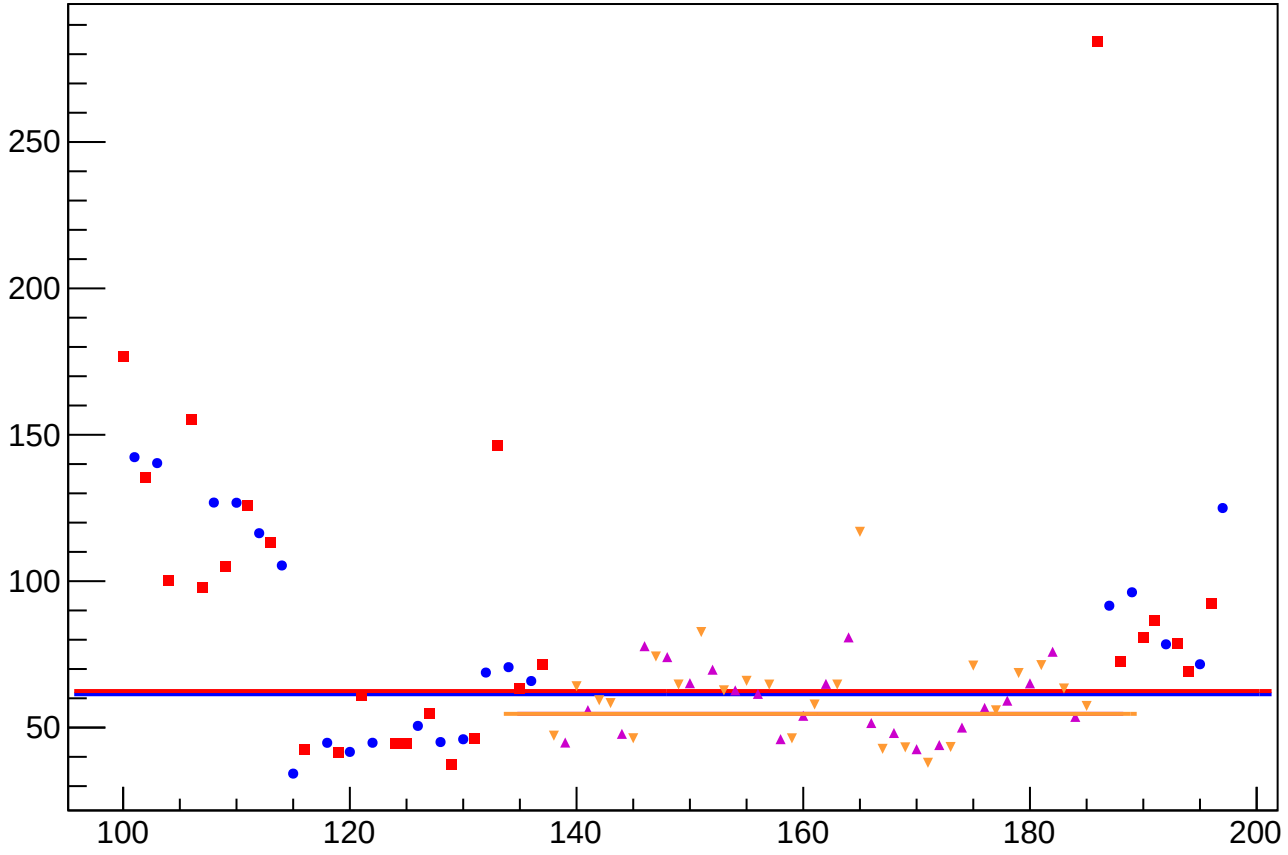
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.021+/-0.011 χ^2/NDF: 54.1/45

All: 0.007+/-0.008 χ^2/NDF: 102.8/94

- sign -0.008+/-0.011 χ^2/NDF: 45.2/48

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.382+/-0.015 χ^2/NDF: 2978126.3/20

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

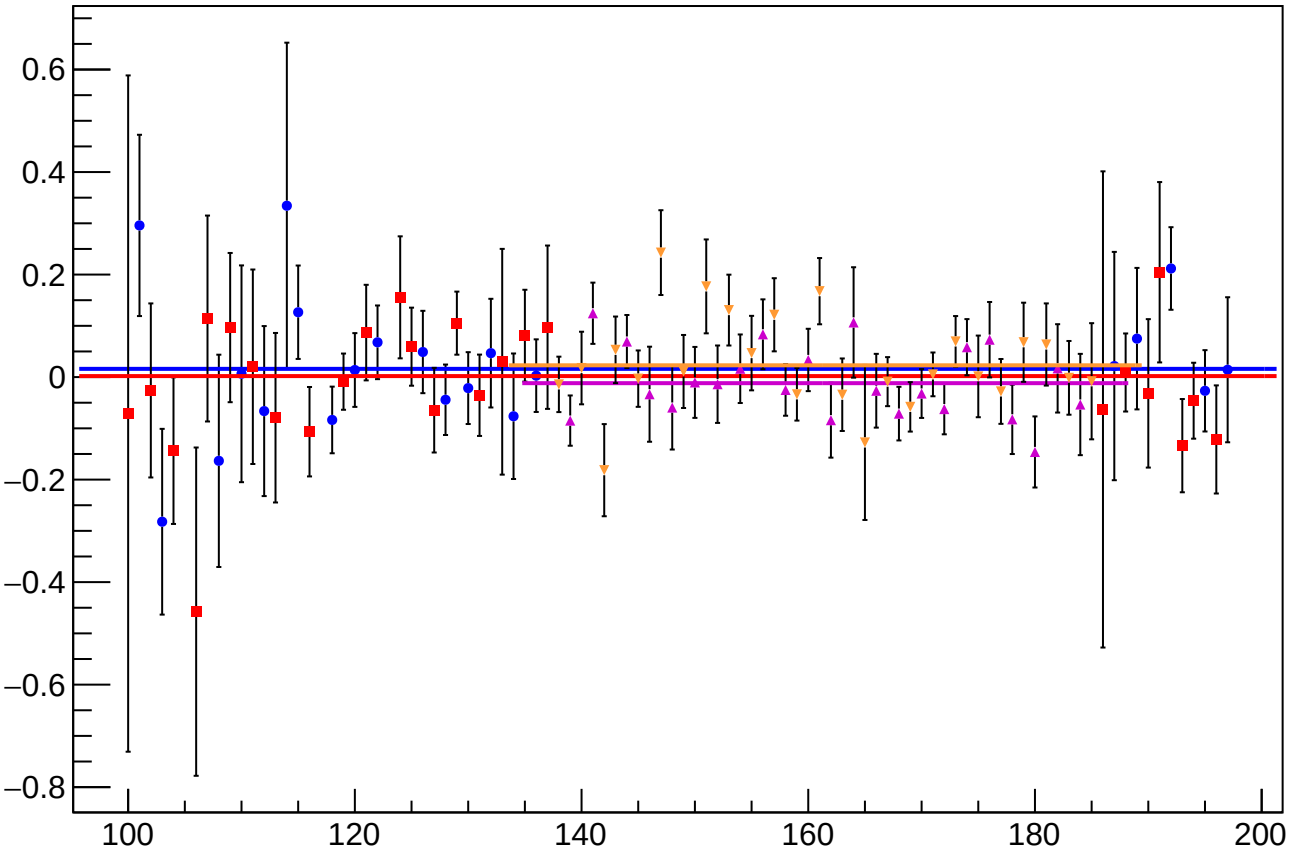
Right Out: 62.472+/-0.014 χ^2/NDF: 3474160.8/25

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.522+/-0.008 χ^2/NDF: 5061742.2/45

All: 56.778+/-0.006 χ^2/NDF: 9936870.2/94

- sign 57.037+/-0.008 χ^2/NDF: 4872953.4/48



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/20

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

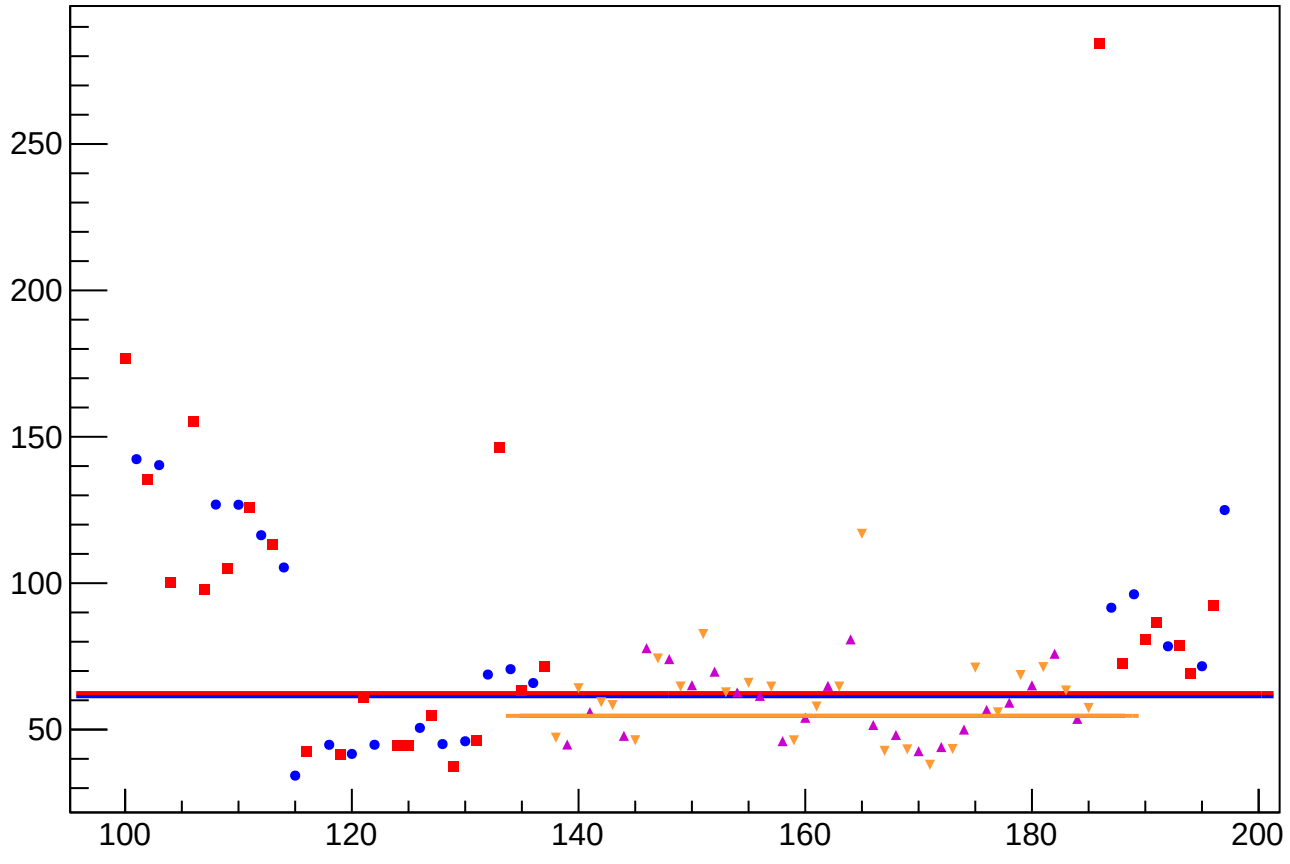
Right Out: 0.002+/-0.020 χ^2/NDF: 19.0/25

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.021+/-0.011 χ^2/NDF: 54.1/45

All: 0.007+/-0.008 χ^2/NDF: 102.8/94

- sign -0.008+/-0.011 χ^2/NDF: 45.2/48



Right In: 61.382+/-0.015 χ^2/NDF: 2978126.3/20

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

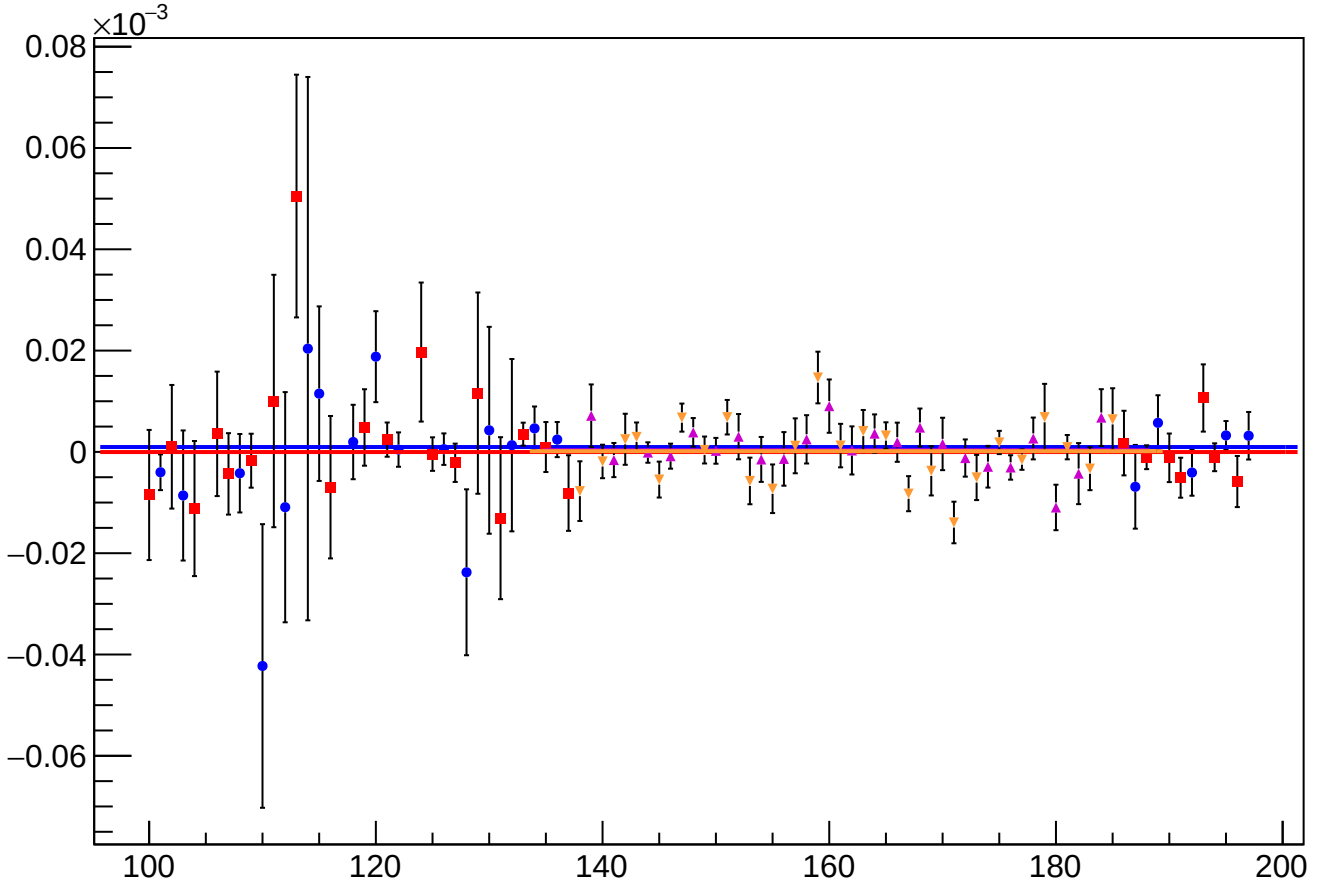
Right Out: 62.472+/-0.014 χ^2/NDF: 3474160.8/25

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.522+/-0.008 χ^2/NDF: 5061742.2/45

All: 56.778+/-0.006 χ^2/NDF: 9936870.2/94

- sign 57.037+/-0.008 χ^2/NDF: 4872953.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

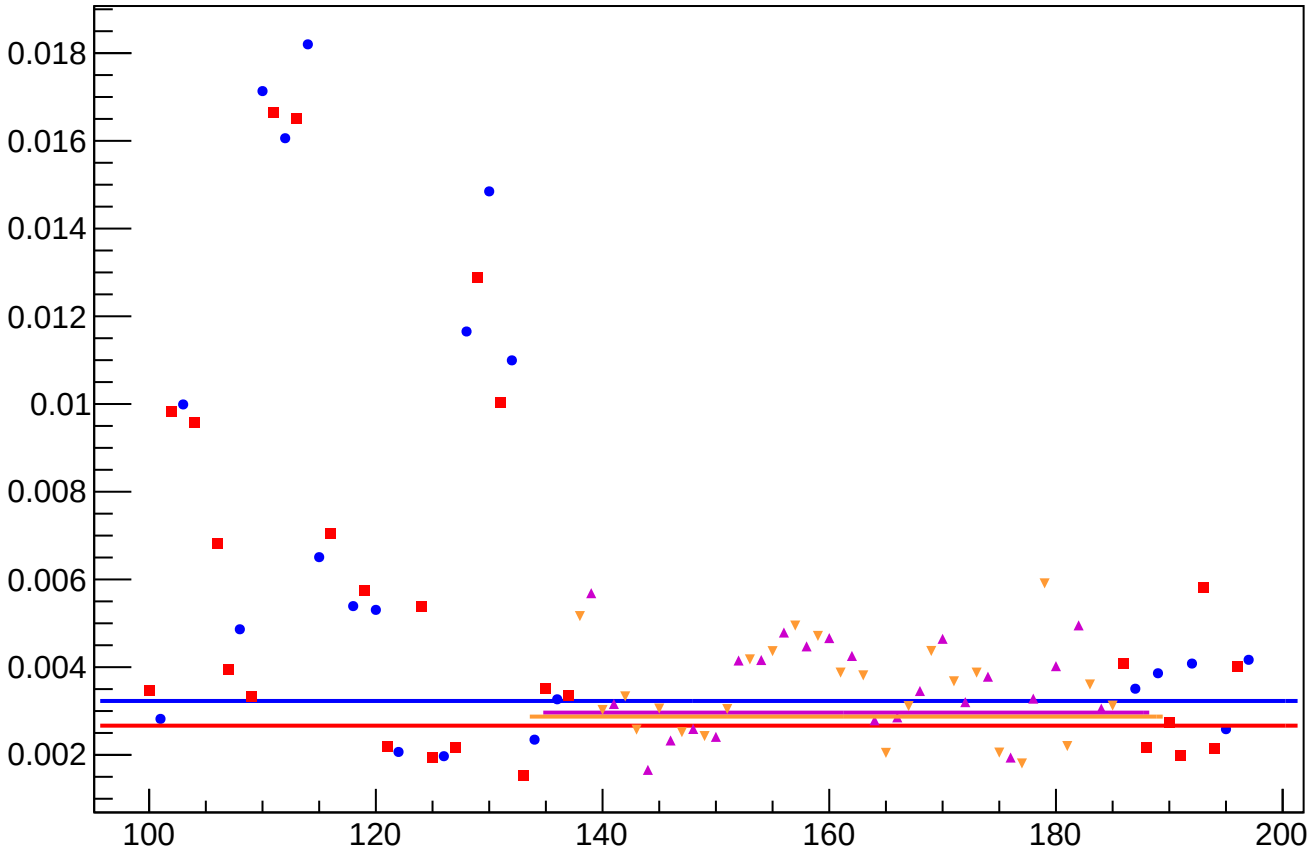
Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/25

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.2/45

All: 0.000+/-0.000 χ^2/NDF: 112.6/94

- sign 0.000+/-0.000 χ^2/NDF: 41.3/48



Right In: 0.003+/-0.000 χ^2/NDF: 4830364.0/20

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

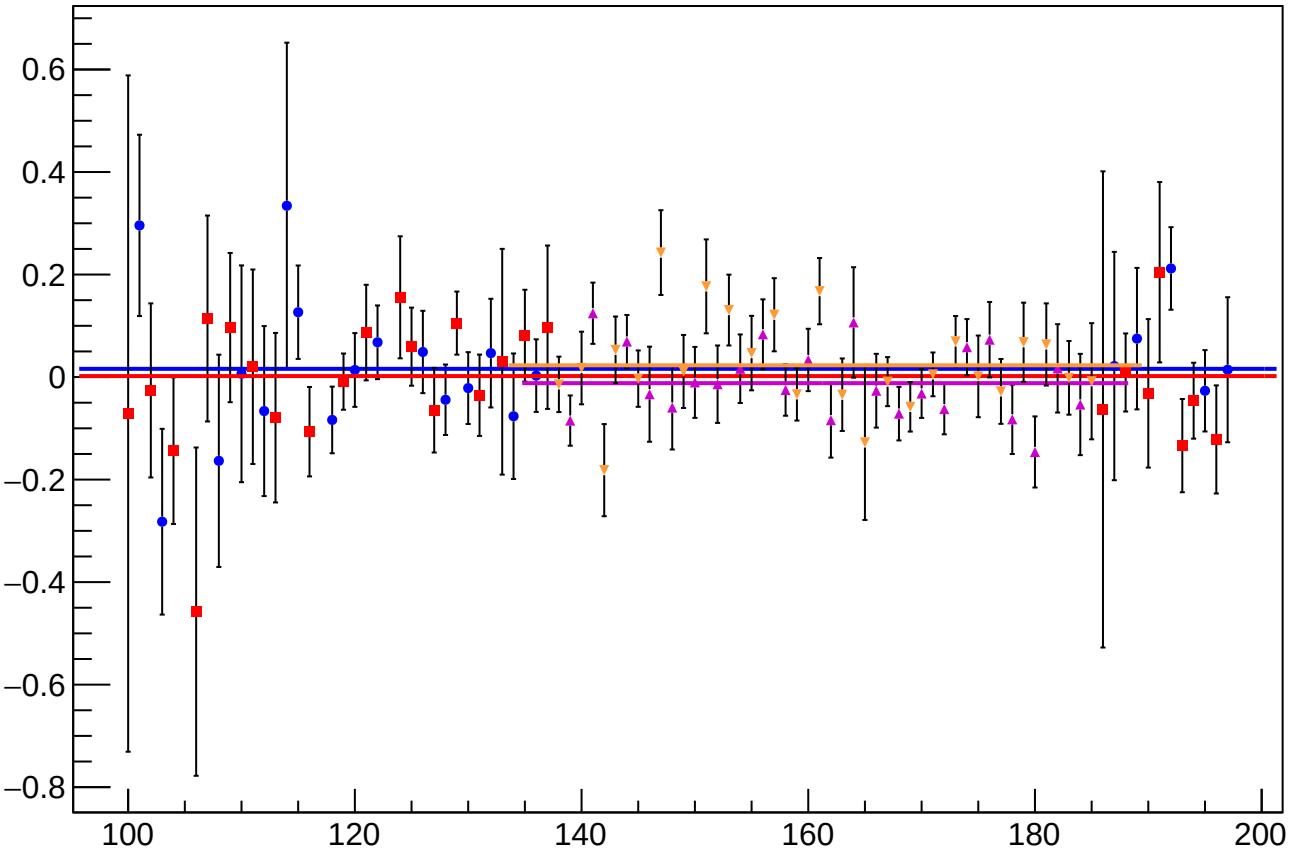
Right Out: 0.003+/-0.000 χ^2/NDF: 6063429.9/25

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8572015.4/45

All: 0.003+/-0.000 χ^2/NDF: 18416111.1/94

- sign 0.003+/-0.000 χ^2/NDF: 9804452.4/48



Right In: 0.016+/-0.021 χ^2/NDF: 19.9/20

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

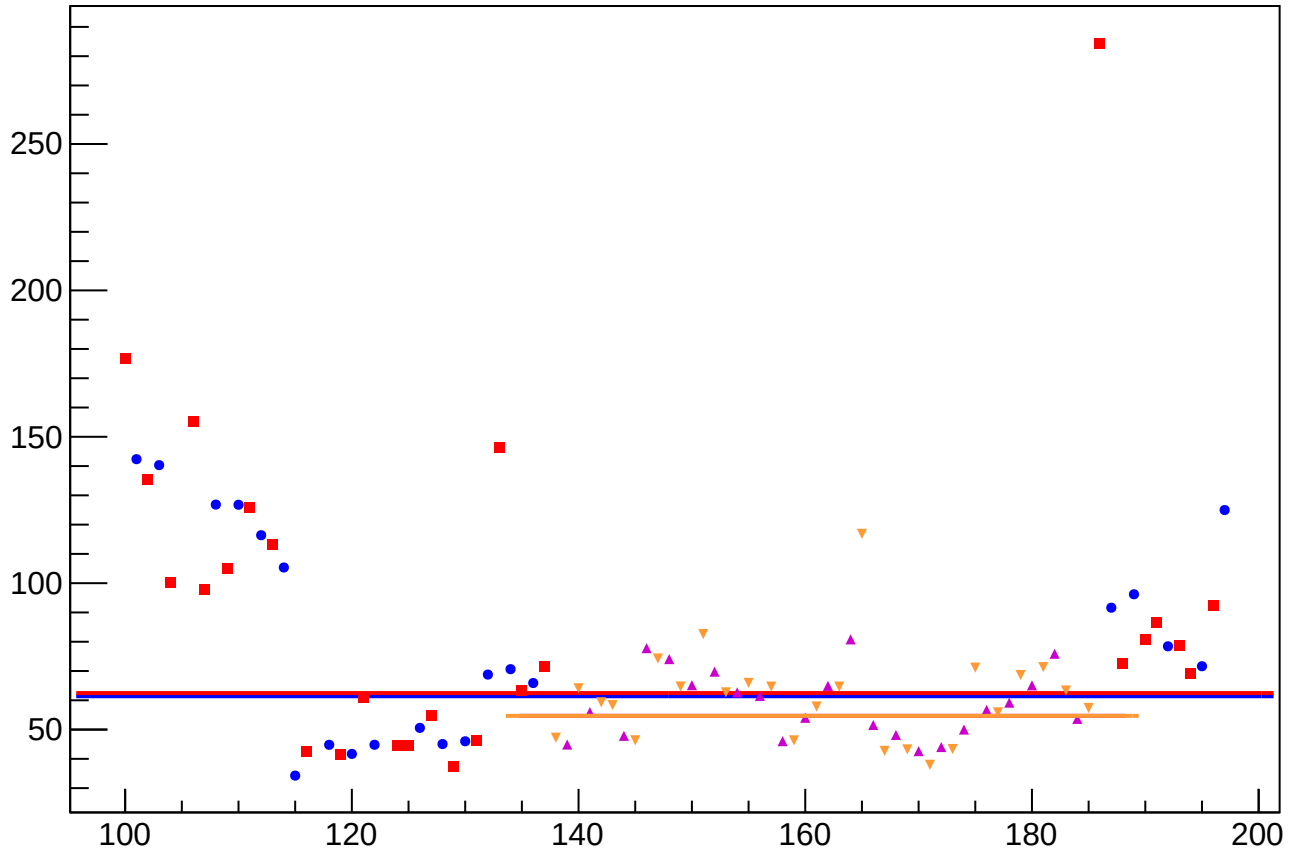
Right Out: 0.002+/-0.020 χ^2/NDF: 19.0/25

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.021+/-0.011 χ^2/NDF: 54.1/45

All: 0.007+/-0.008 χ^2/NDF: 102.8/94

- sign -0.008+/-0.011 χ^2/NDF: 45.2/48



Right In: 61.382+/-0.015 χ^2/NDF: 2978089.2/20

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

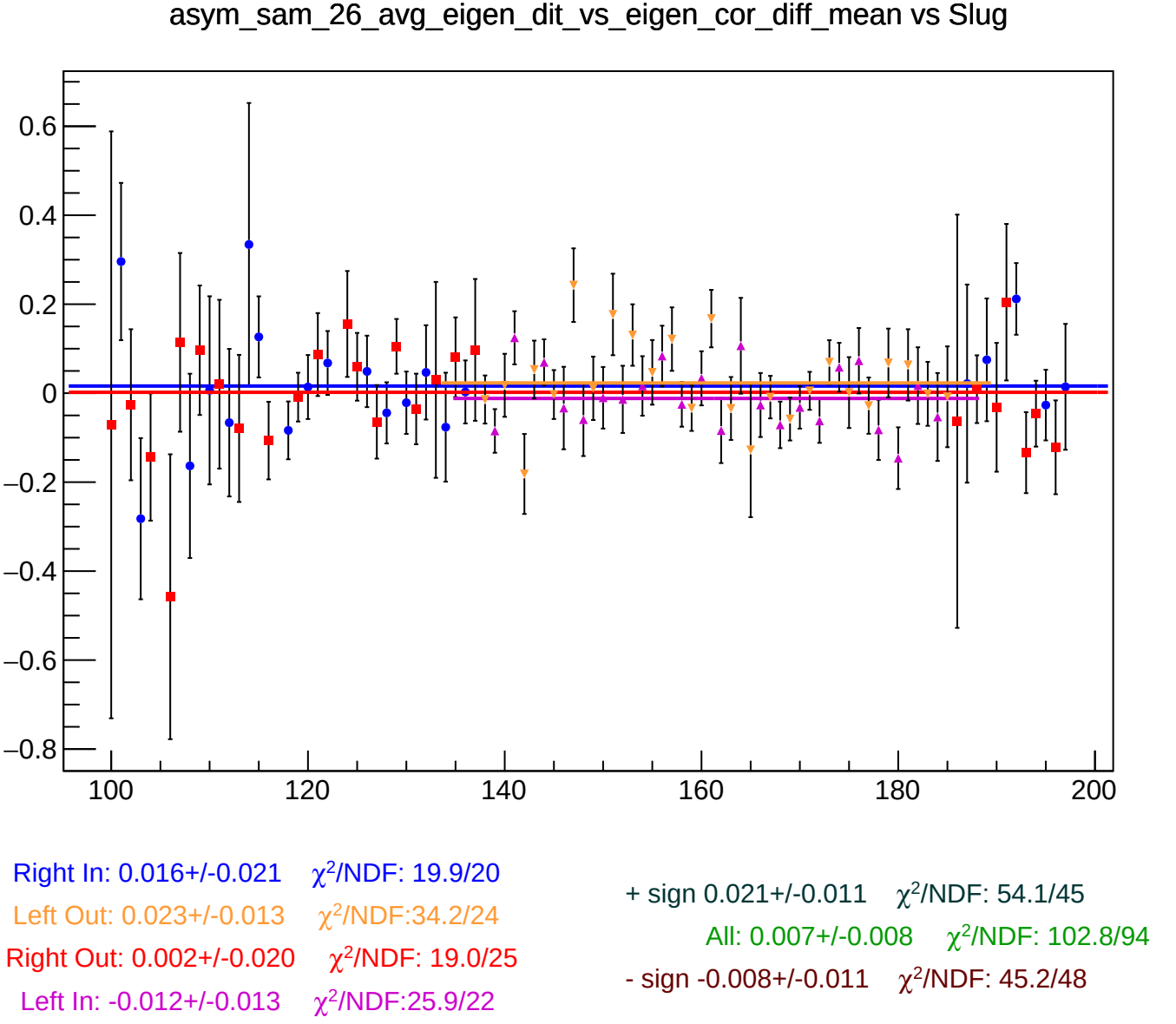
Right Out: 62.471+/-0.014 χ^2/NDF: 3474129.1/25

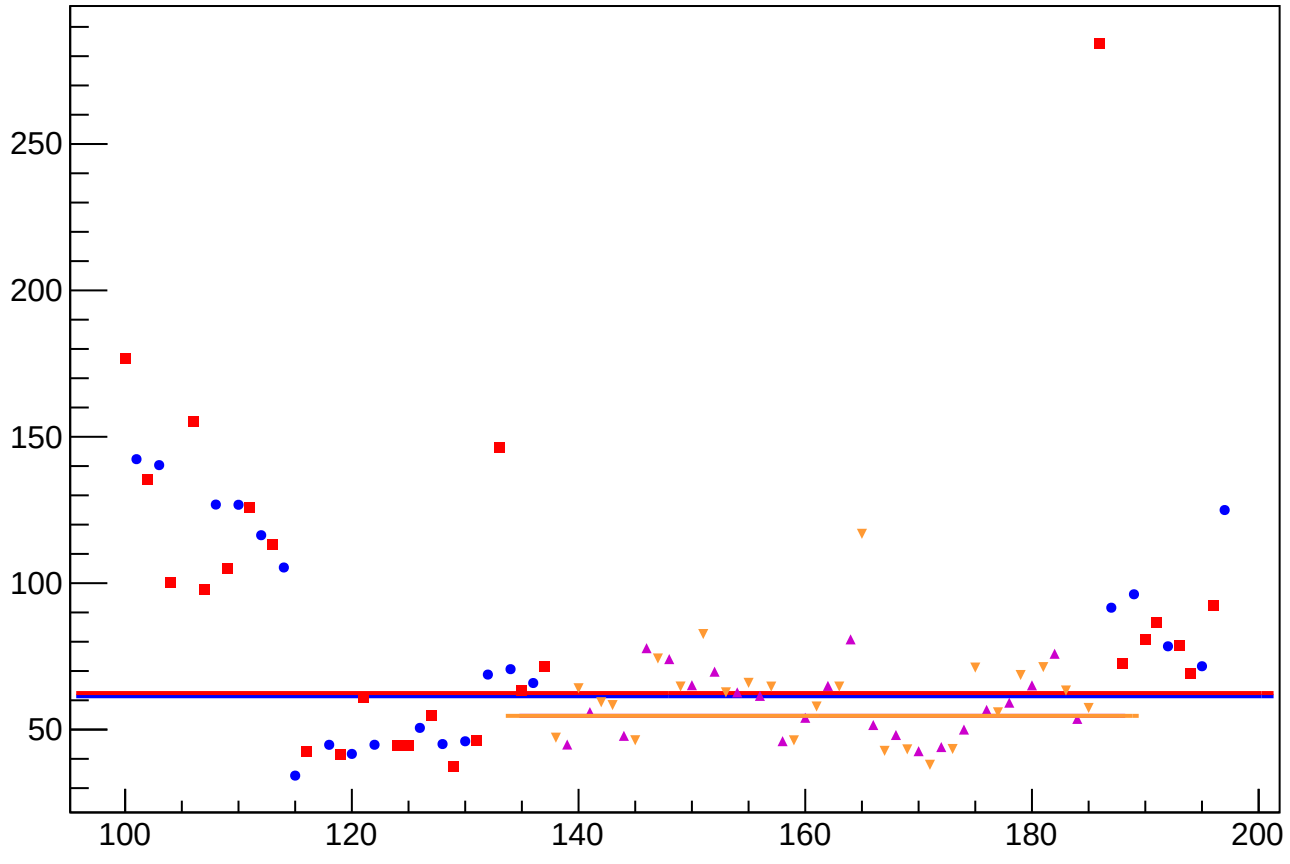
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.522+/-0.008 χ^2/NDF: 5061668.6/45

All: 56.778+/-0.006 χ^2/NDF: 9936680.9/94

- sign 57.037+/-0.008 χ^2/NDF: 4872837.3/48


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.016+/-0.021 χ²/NDF: 19.9/20
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: 0.002+/-0.020 χ²/NDF: 19.0/25
Left In: -0.012+/-0.013 χ²/NDF:25.9/22
+ sign 0.021+/-0.011 χ²/NDF: 54.1/45
All: 0.007+/-0.008 χ²/NDF: 102.8/94
- sign -0.008+/-0.011 χ²/NDF: 45.2/48



Right In: 61.382+/-0.015 χ^2/NDF: 2978089.2/20

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

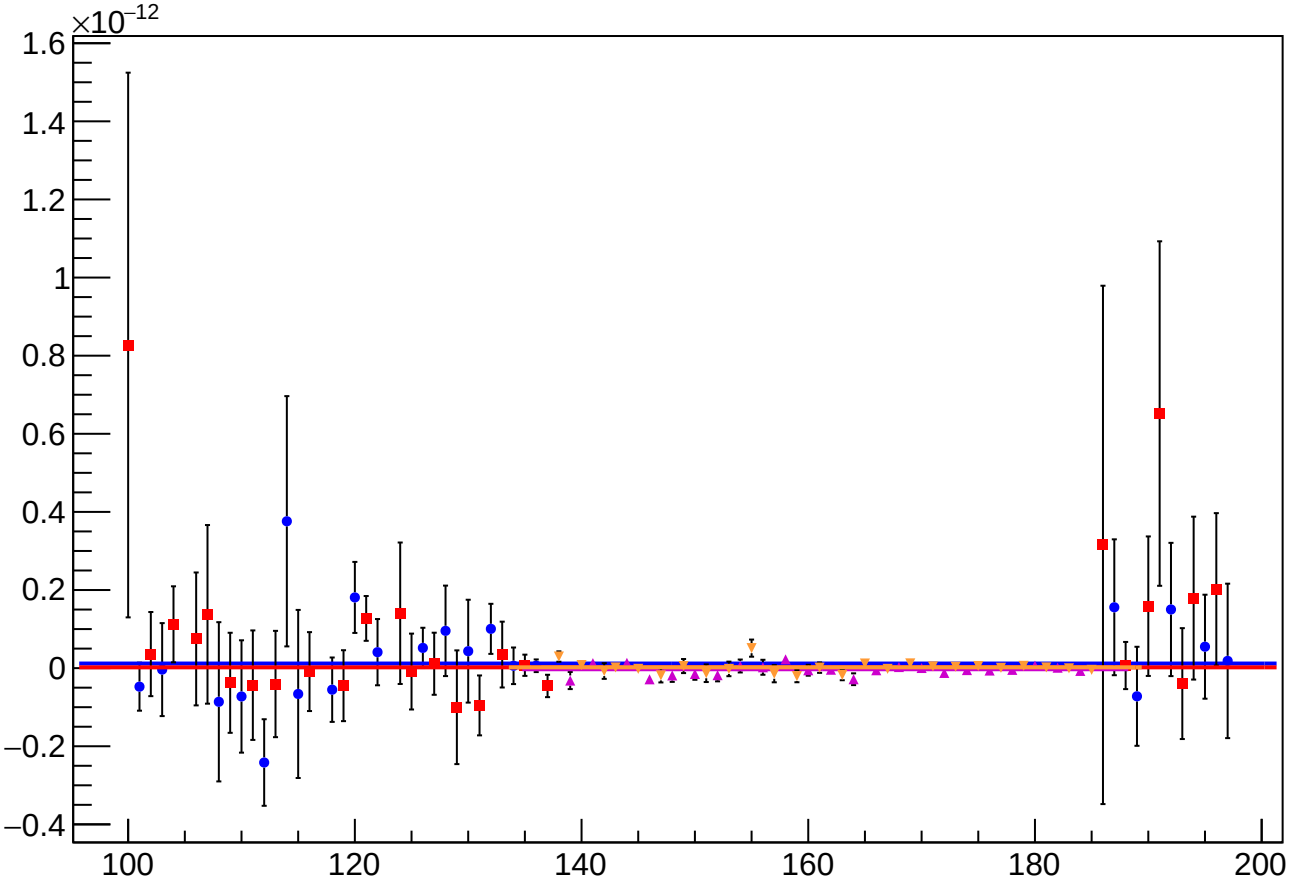
Right Out: 62.471+/-0.014 χ^2/NDF: 3474129.1/25

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.522+/-0.008 χ^2/NDF: 5061668.6/45

All: 56.778+/-0.006 χ^2/NDF: 9936680.9/94

- sign 57.037+/-0.008 χ^2/NDF: 4872837.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 17.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

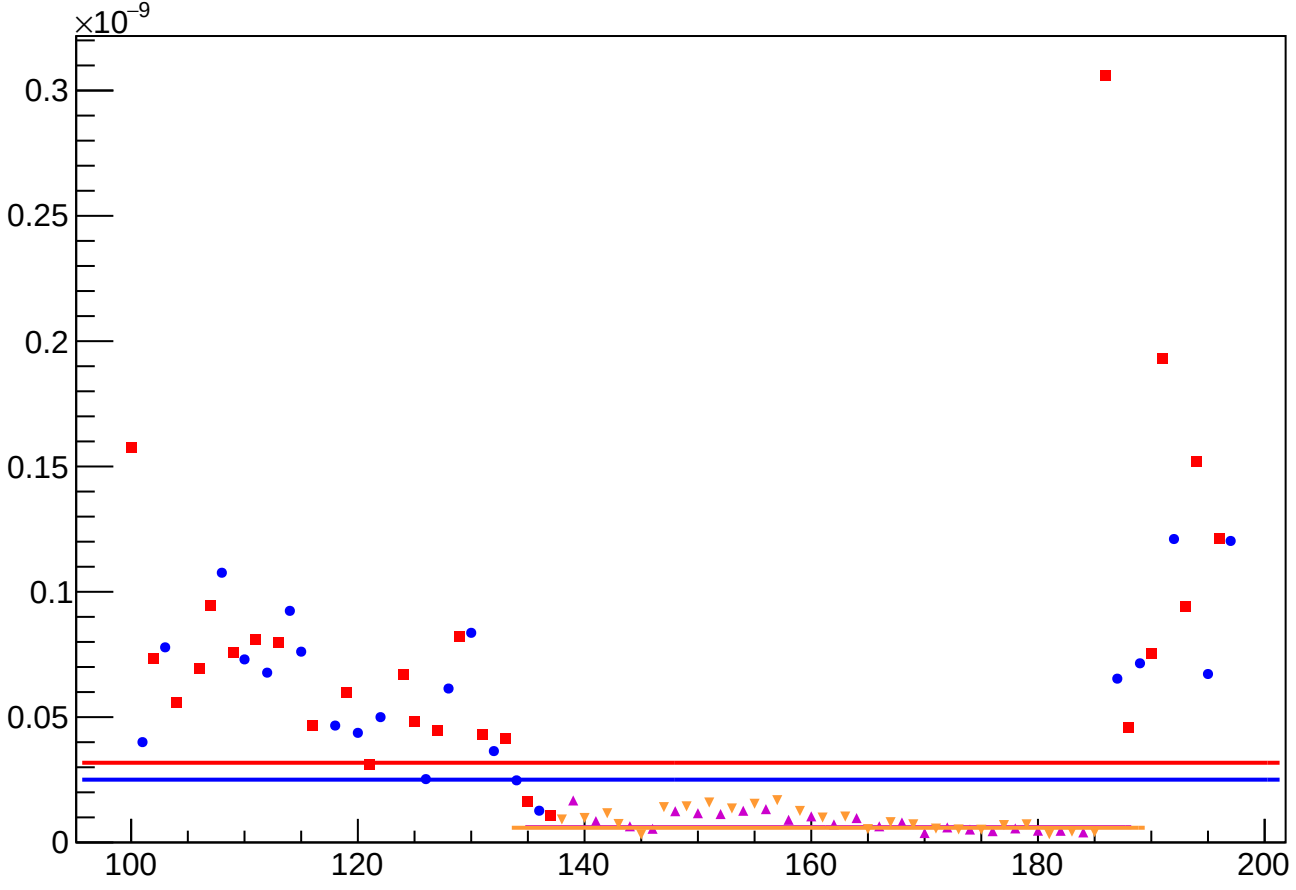
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/25

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.8/45

All: -0.000+/-0.000 χ^2/NDF: 95.1/94

- sign -0.000+/-0.000 χ^2/NDF: 52.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 5456792.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6231859.3/25

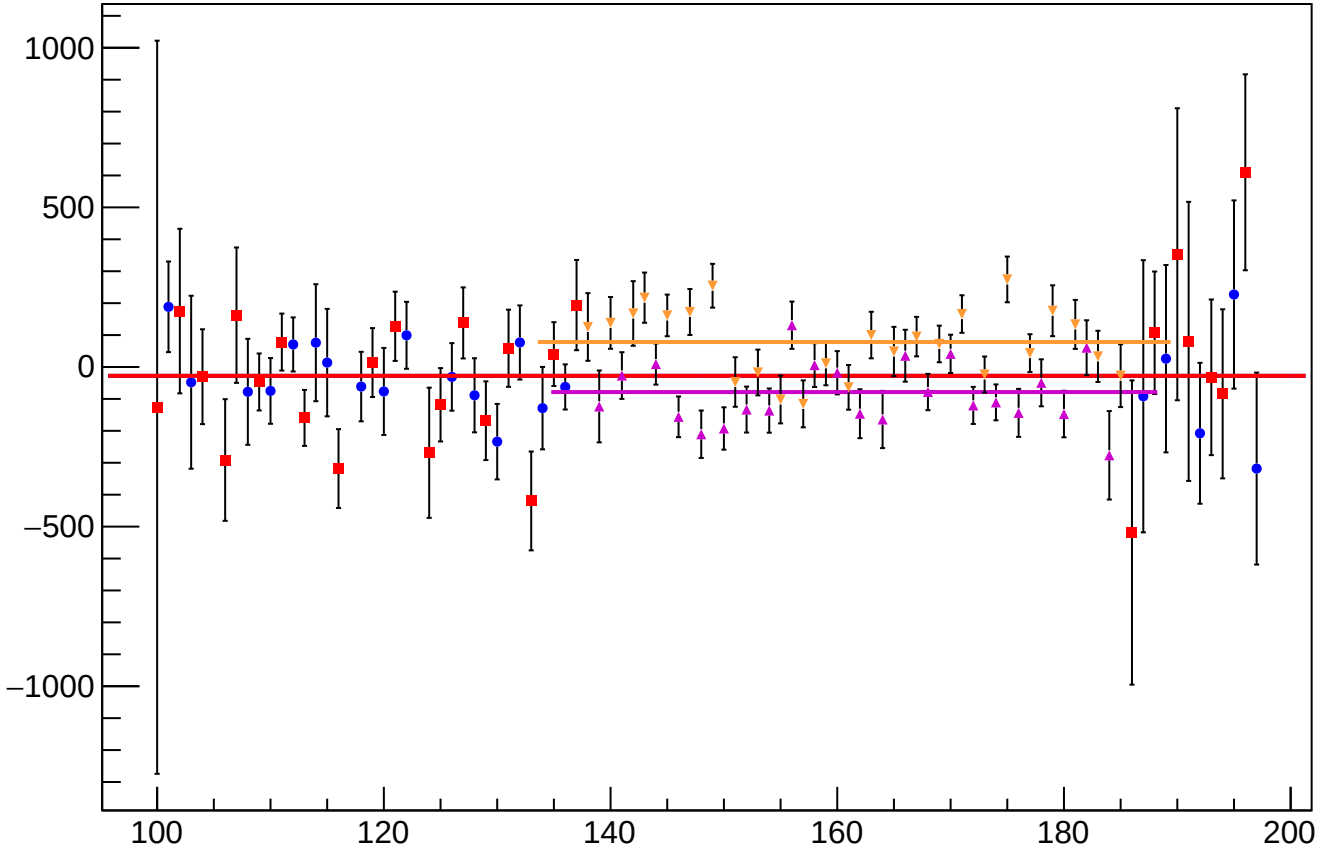
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15443023.9/45

All: 0.000+/-0.000 χ^2/NDF: 30935836.3/94

- sign 0.000+/-0.000 χ^2/NDF: 15468704.6/48

reg_asym_sam_37_avg_mean vs Slug



Right In: -27.729+/-28.211 χ^2/NDF: 13.4/20

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -27.668+/-27.541 χ^2/NDF: 36.8/25

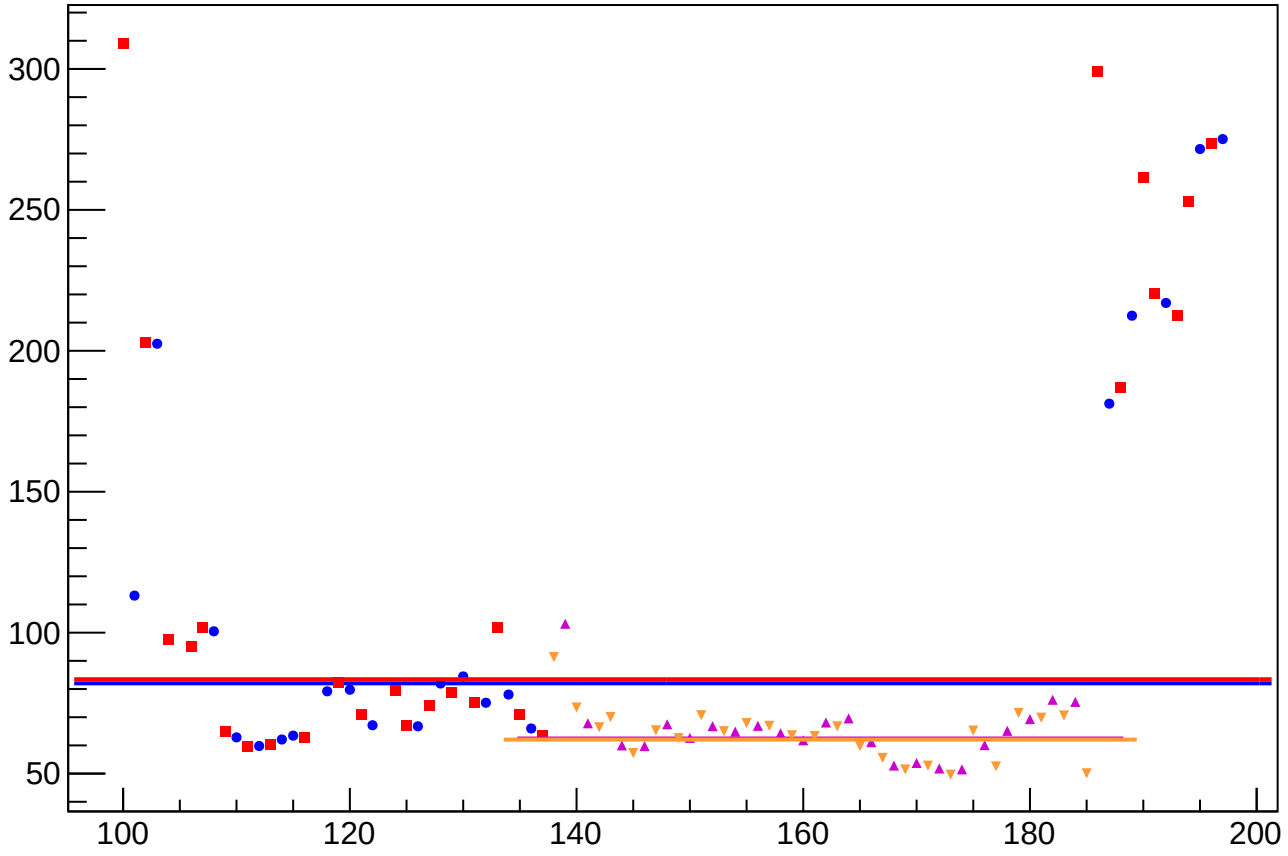
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.452+/-12.773 χ^2/NDF: 78.5/45

All: -4.026+/-9.126 χ^2/NDF: 200.4/94

- sign -67.102+/-13.045 χ^2/NDF: 76.1/48

reg_asym_sam_37_avg_rms vs Slug



Right In: 82.017+/-0.020 χ^2/NDF: 3870907.7/20

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 83.476+/-0.019 χ^2/NDF: 4799899.9/25

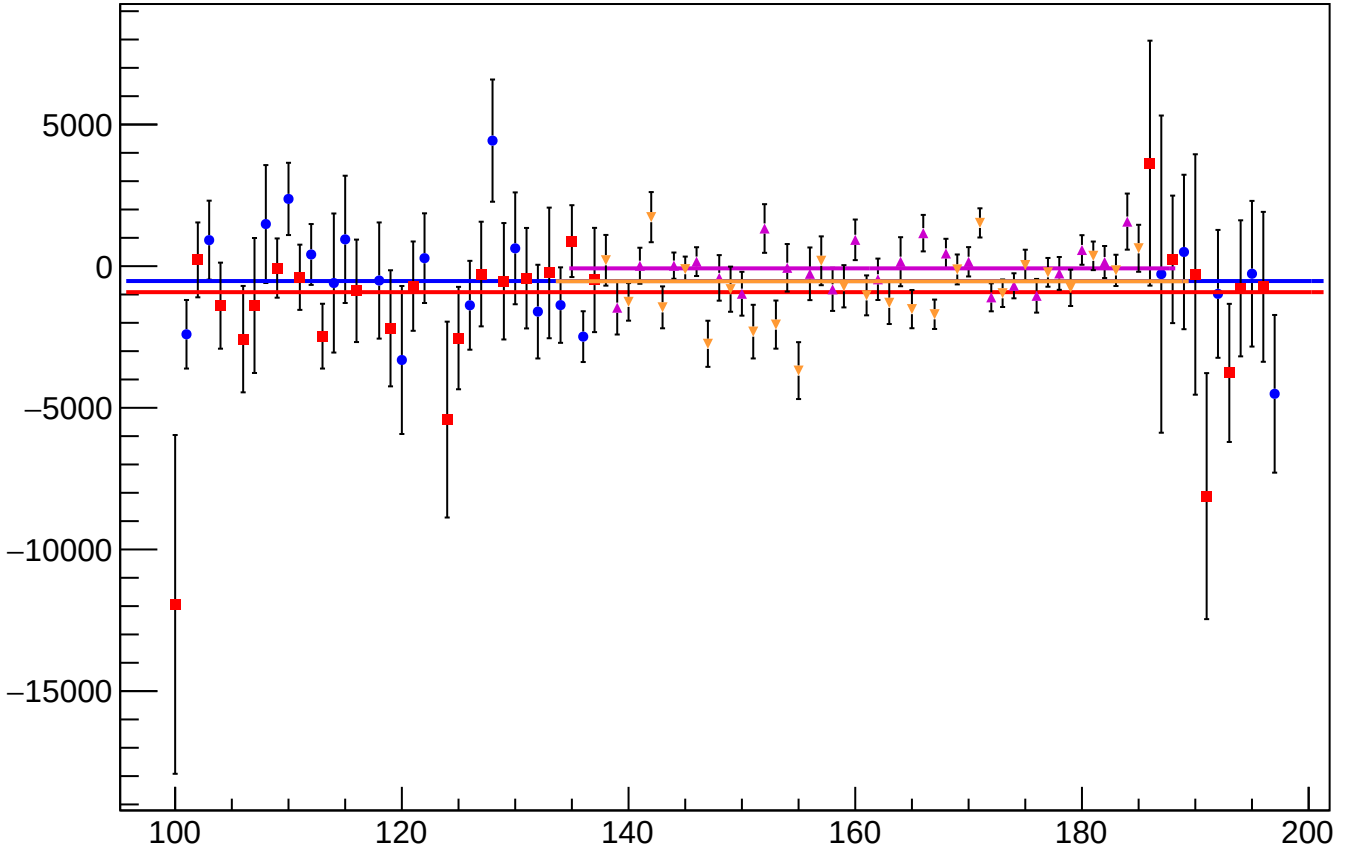
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.153+/-0.009 χ^2/NDF: 5352915.0/45

All: 66.648+/-0.006 χ^2/NDF: 11728213.6/94

- sign 67.163+/-0.009 χ^2/NDF: 6369177.3/48

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -525.287+/-359.137 χ^2/NDF: 26.0/20

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -917.529+/-352.210 χ^2/NDF: 18.6/25

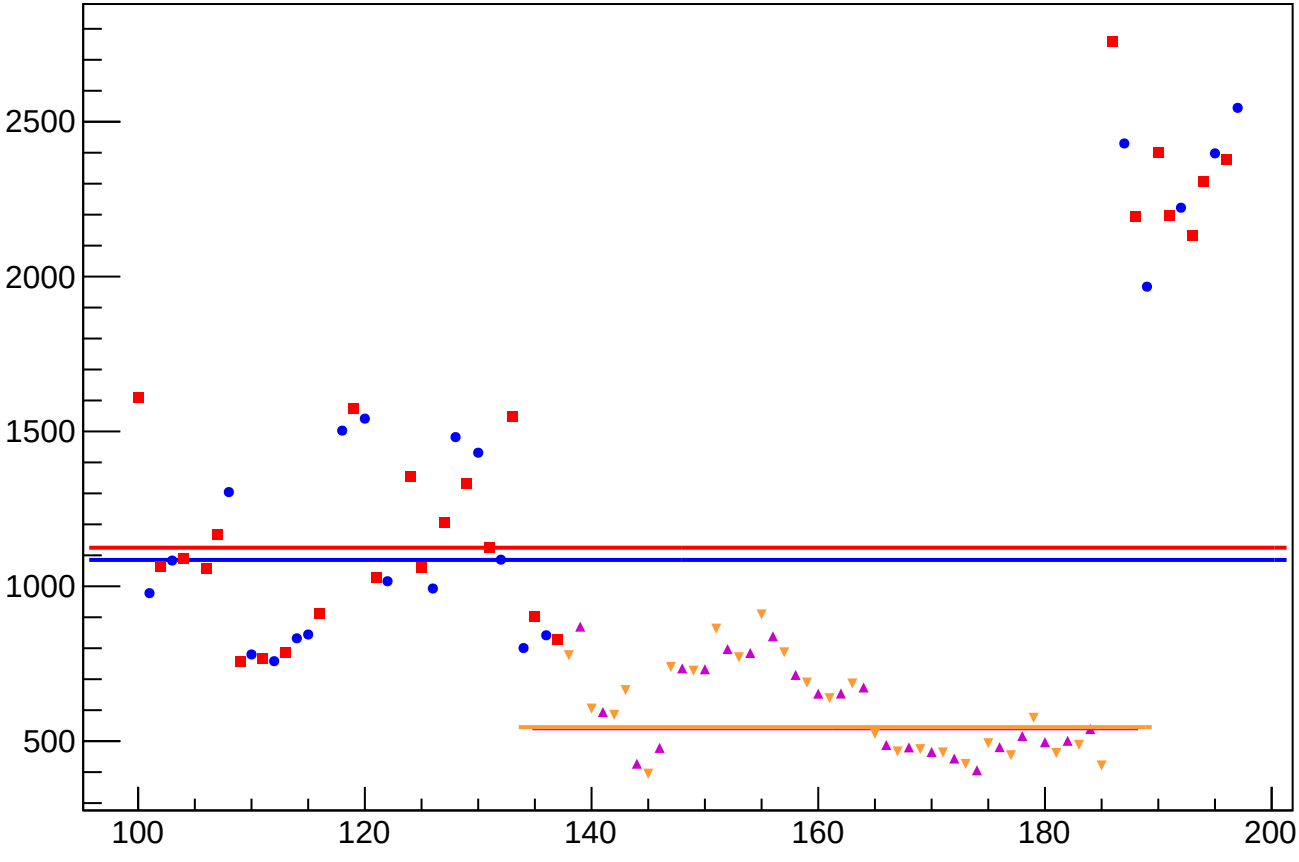
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -531.935+/-120.510 χ^2/NDF: 95.1/45

All: -357.736+/-85.811 χ^2/NDF: 151.3/94

- sign -178.557+/-122.220 χ^2/NDF: 52.0/48

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1085.159+/-0.254 χ^2/NDF: 2808566.8/20

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1124.598+/-0.249 χ^2/NDF: 3299141.9/25

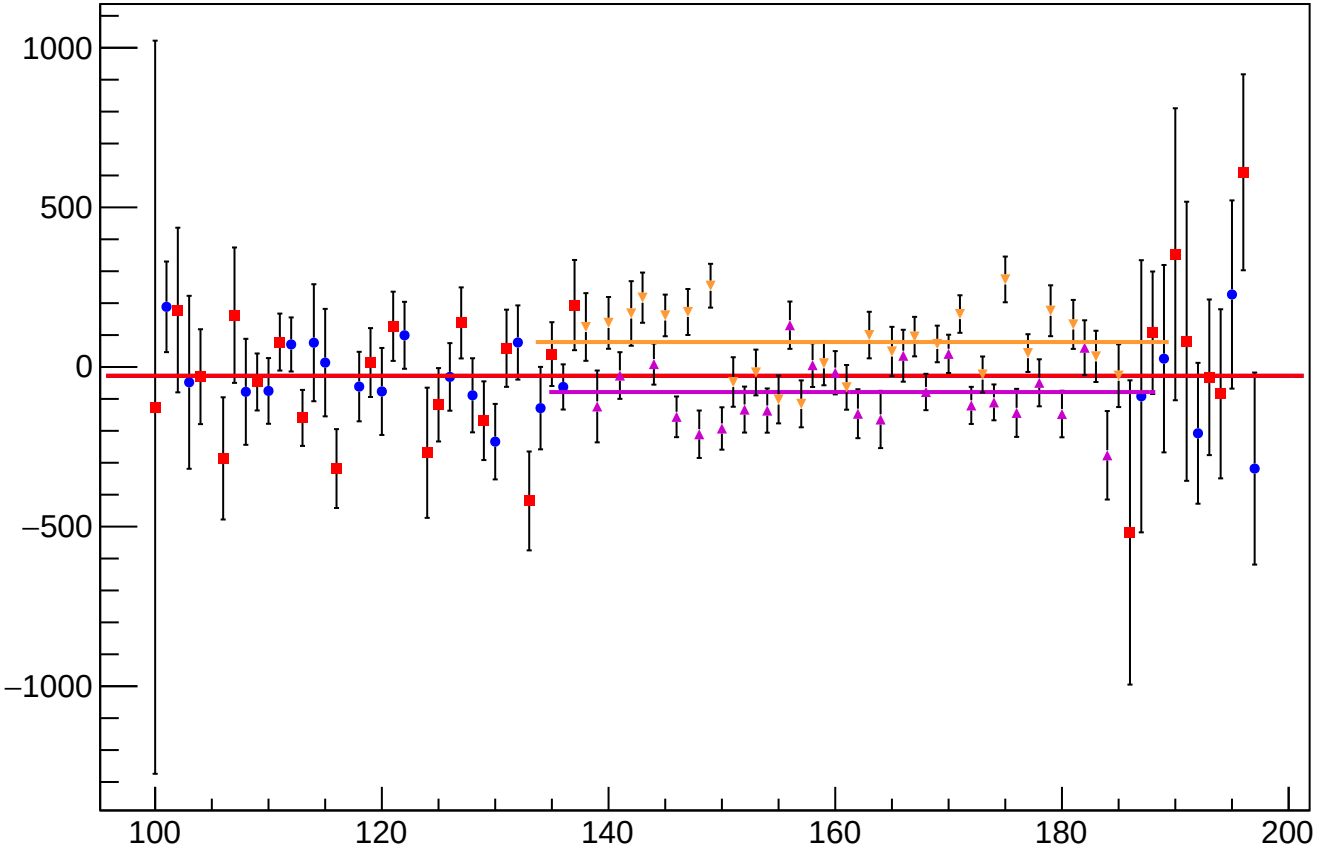
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 606.090+/-0.085 χ^2/NDF: 8902636.5/45

All: 608.844+/-0.061 χ^2/NDF: 18866497.2/94

- sign 611.676+/-0.086 χ^2/NDF: 9961742.0/48

cor_asym_sam_37_avg_mean vs Slug



Right In: -27.736+/-28.211 χ^2/NDF: 13.4/20

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -27.477+/-27.544 χ^2/NDF: 36.8/25

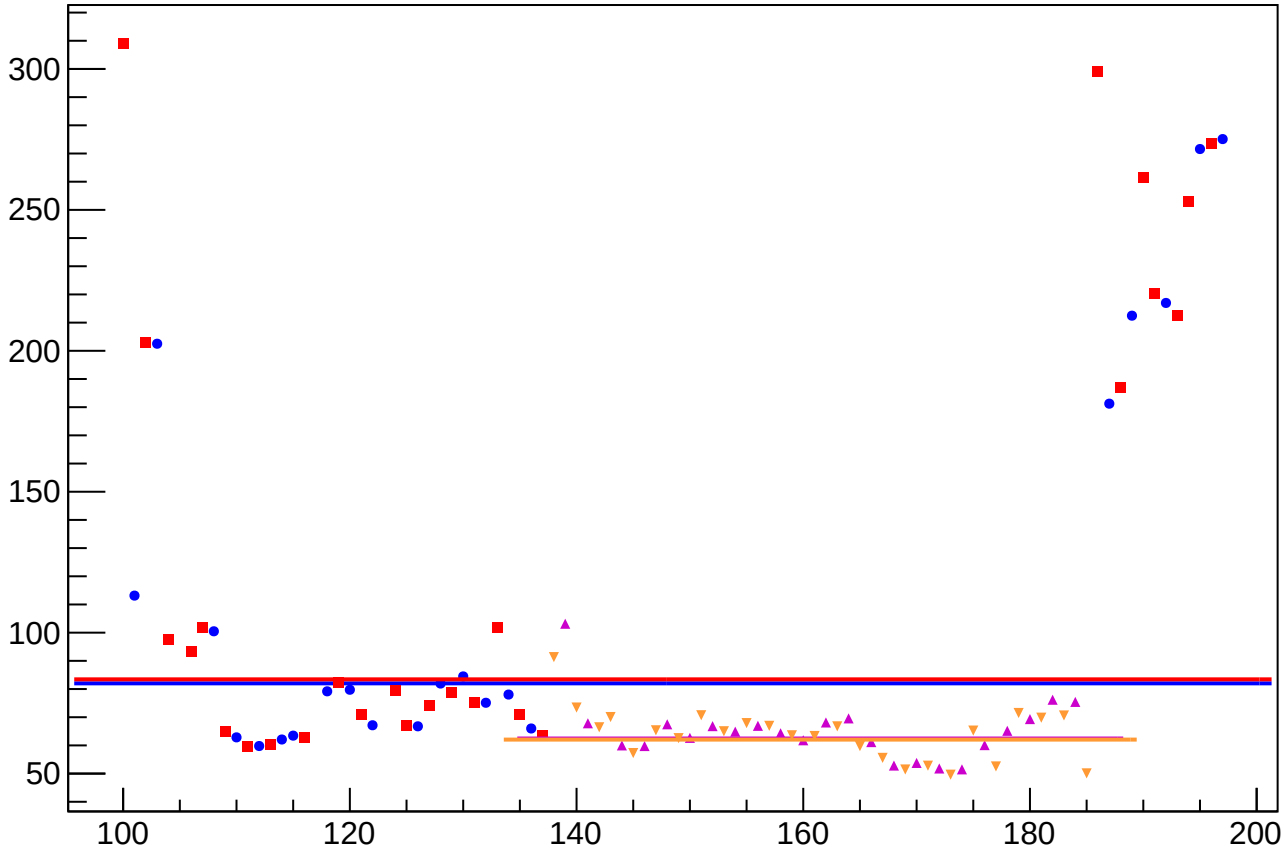
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.453+/-12.773 χ^2/NDF: 78.5/45

All: -4.003+/-9.127 χ^2/NDF: 200.4/94

- sign -67.060+/-13.045 χ^2/NDF: 76.1/48

cor_asym_sam_37_avg_rms vs Slug



Right In: 82.017+/-0.020 χ^2/NDF: 3870909.9/20

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 83.439+/-0.019 χ^2/NDF: 4798066.7/25

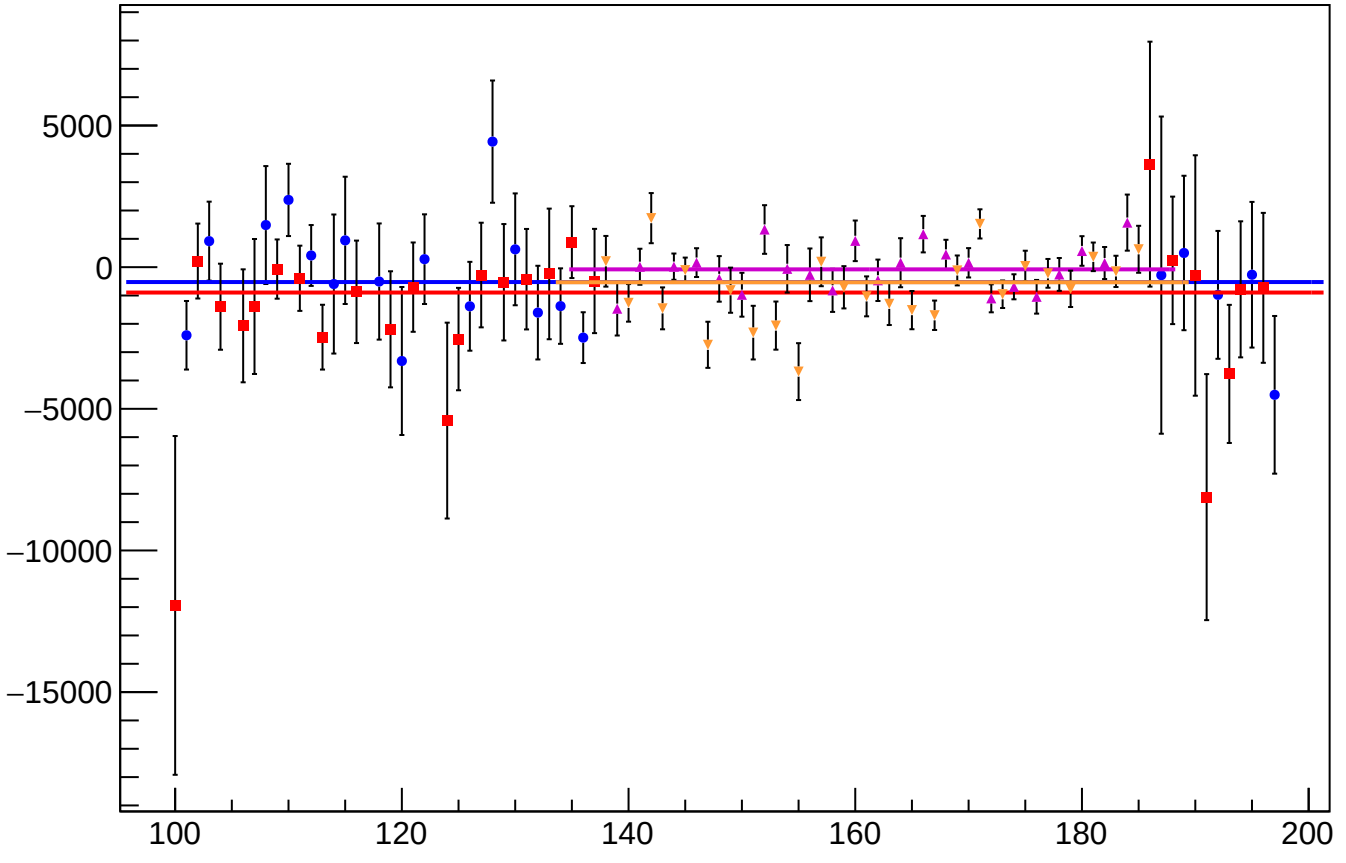
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.153+/-0.009 χ^2/NDF: 5352916.9/45

All: 66.643+/-0.006 χ^2/NDF: 11722926.5/94

- sign 67.154+/-0.009 χ^2/NDF: 6363998.1/48

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -525.276+/-359.139 χ^2/NDF: 26.0/20

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -895.693+/-352.933 χ^2/NDF: 18.1/25

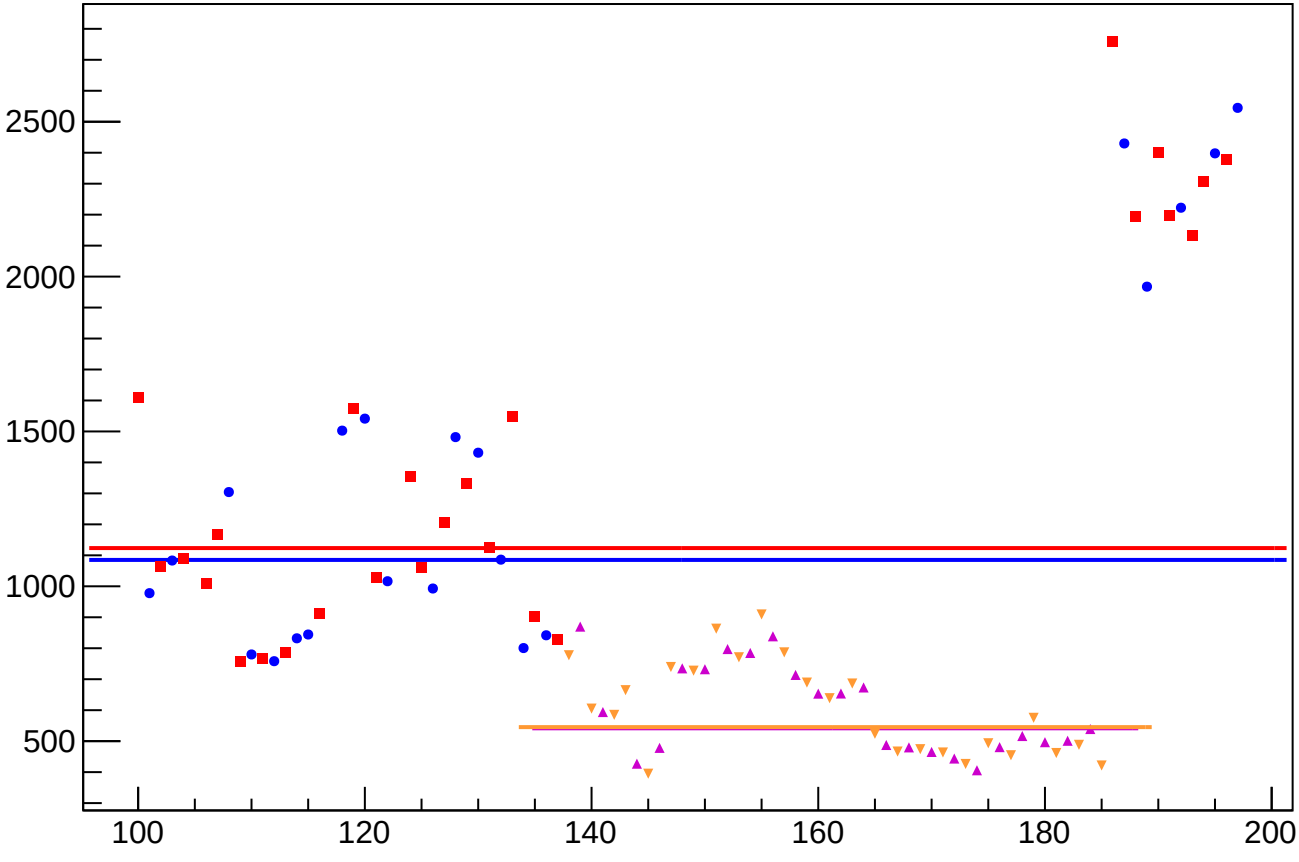
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -531.932+/-120.510 χ^2/NDF: 95.1/45

All: -356.307+/-85.822 χ^2/NDF: 150.6/94

- sign -175.572+/-122.250 χ^2/NDF: 51.2/48

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1085.166+/-0.254 χ^2/NDF: 2808569.1/20

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1123.421+/-0.250 χ^2/NDF: 3303140.0/25

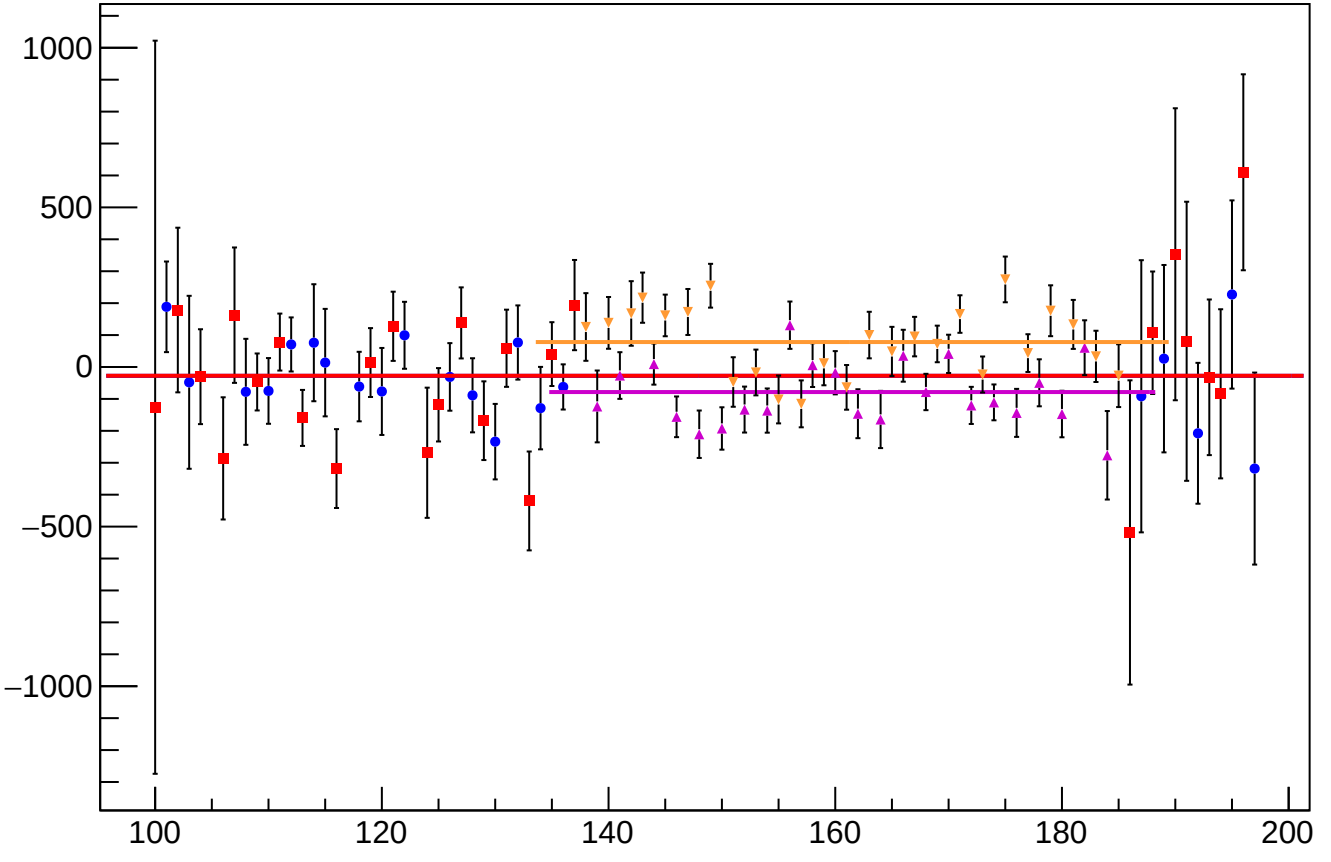
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 606.090+/-0.085 χ^2/NDF: 8902691.2/45

All: 608.649+/-0.061 χ^2/NDF: 18833508.7/94

- sign 611.282+/-0.086 χ^2/NDF: 9928987.5/48

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -27.736+/-28.211 χ^2/NDF: 13.4/20

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -27.477+/-27.544 χ^2/NDF: 36.8/25

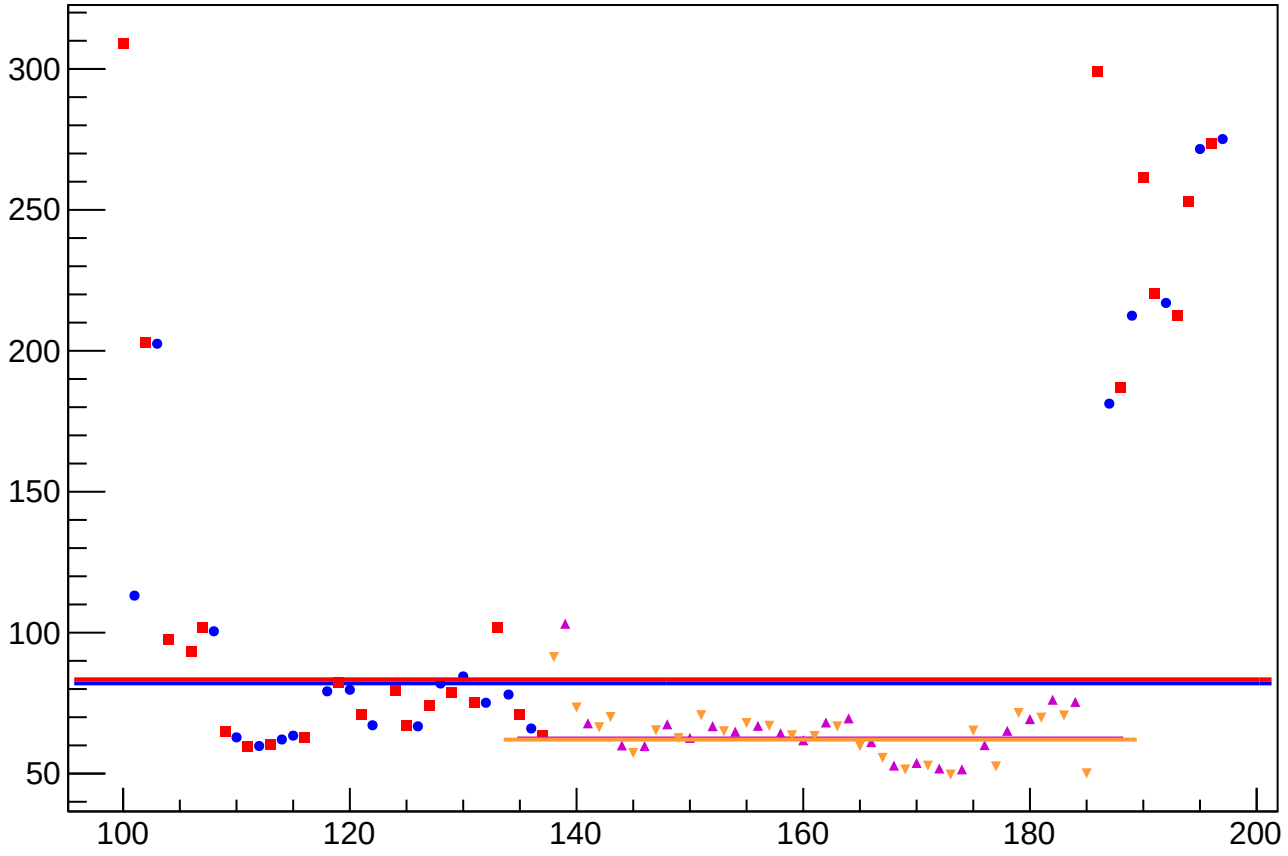
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.453+/-12.773 χ^2/NDF: 78.5/45

All: -4.003+/-9.127 χ^2/NDF: 200.4/94

- sign -67.060+/-13.045 χ^2/NDF: 76.1/48

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 82.017+/-0.020 χ^2/NDF: 3870909.9/20

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

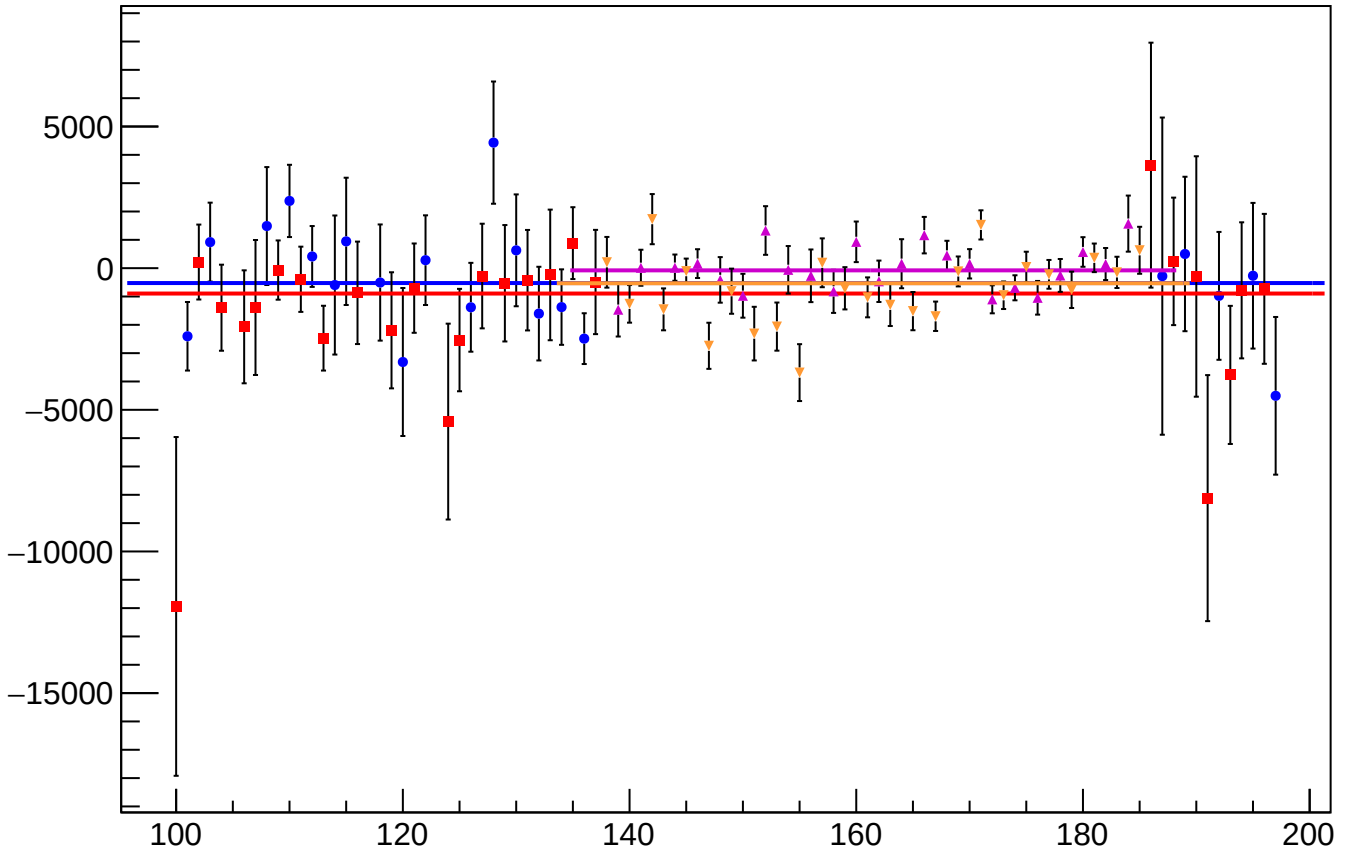
Right Out: 83.439+/-0.019 χ^2/NDF: 4798066.7/25

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 66.153+/-0.009 χ^2/NDF: 5352916.9/45

All: 66.643+/-0.006 χ^2/NDF: 11722926.5/94

- sign 67.154+/-0.009 χ^2/NDF: 6363998.1/48



Right In: -525.276+/-359.139 χ^2/NDF: 26.0/20

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -895.693+/-352.933 χ^2/NDF: 18.1/25

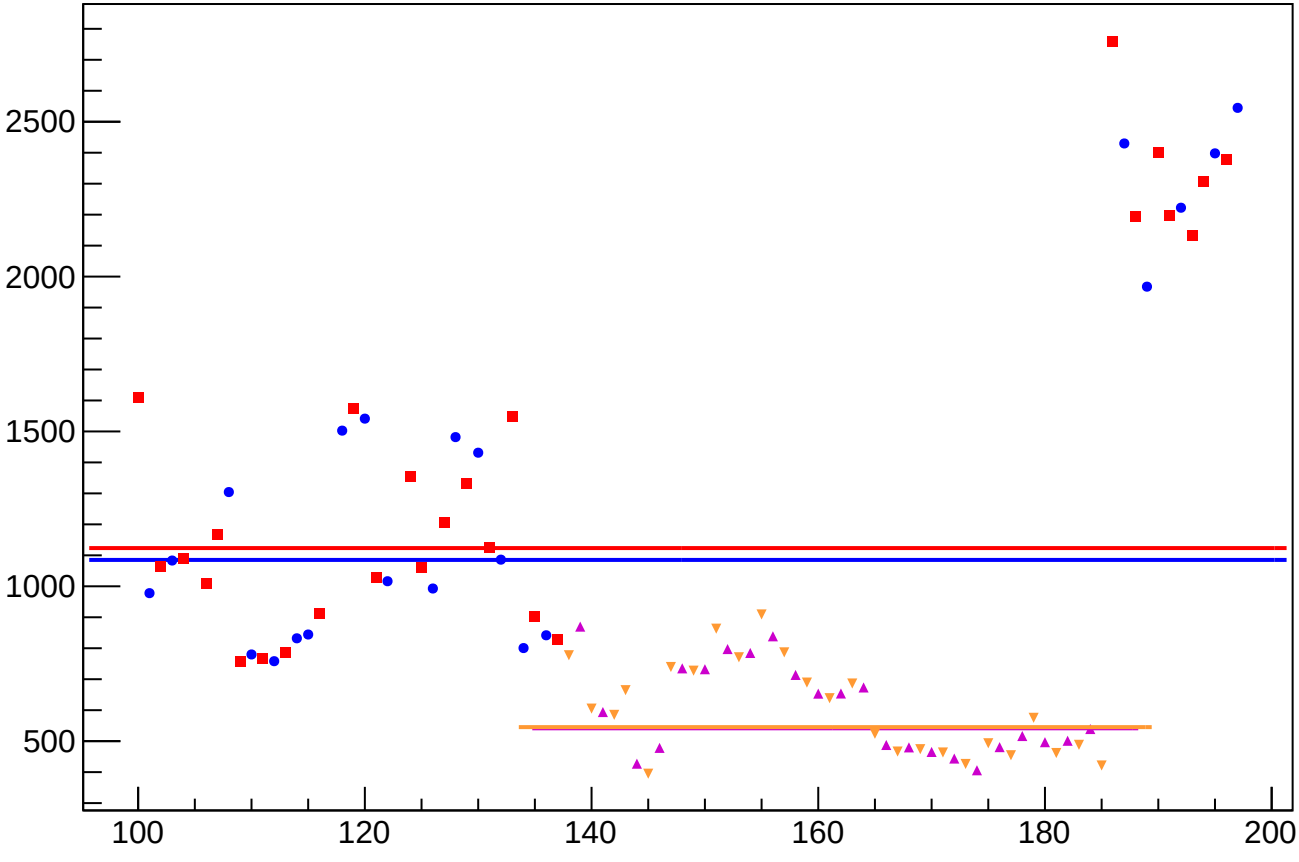
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -531.932+/-120.510 χ^2/NDF: 95.1/45

All: -356.307+/-85.822 χ^2/NDF: 150.6/94

- sign -175.572+/-122.250 χ^2/NDF: 51.2/48

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 1085.166+/-0.254 χ^2/NDF: 2808569.1/20

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1123.421+/-0.250 χ^2/NDF: 3303140.0/25

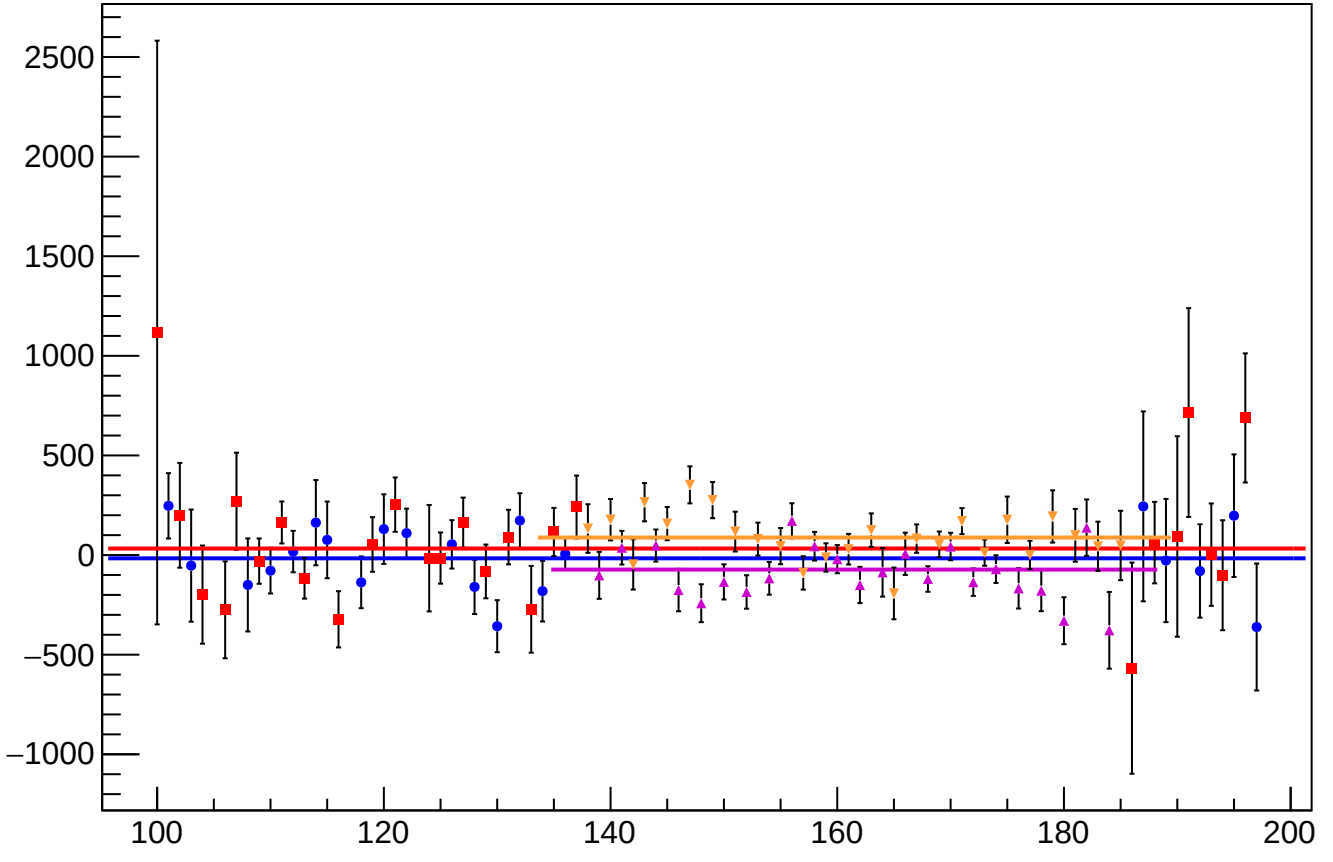
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 606.090+/-0.085 χ^2/NDF: 8902691.2/45

All: 608.649+/-0.061 χ^2/NDF: 18833508.7/94

- sign 611.282+/-0.086 χ^2/NDF: 9928987.5/48

dit_asym_sam_37_avg_mean vs Slug



Right In: -16.391+/-32.777 χ^2/NDF: 20.3/20

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 32.822+/-32.717 χ^2/NDF: 31.0/25

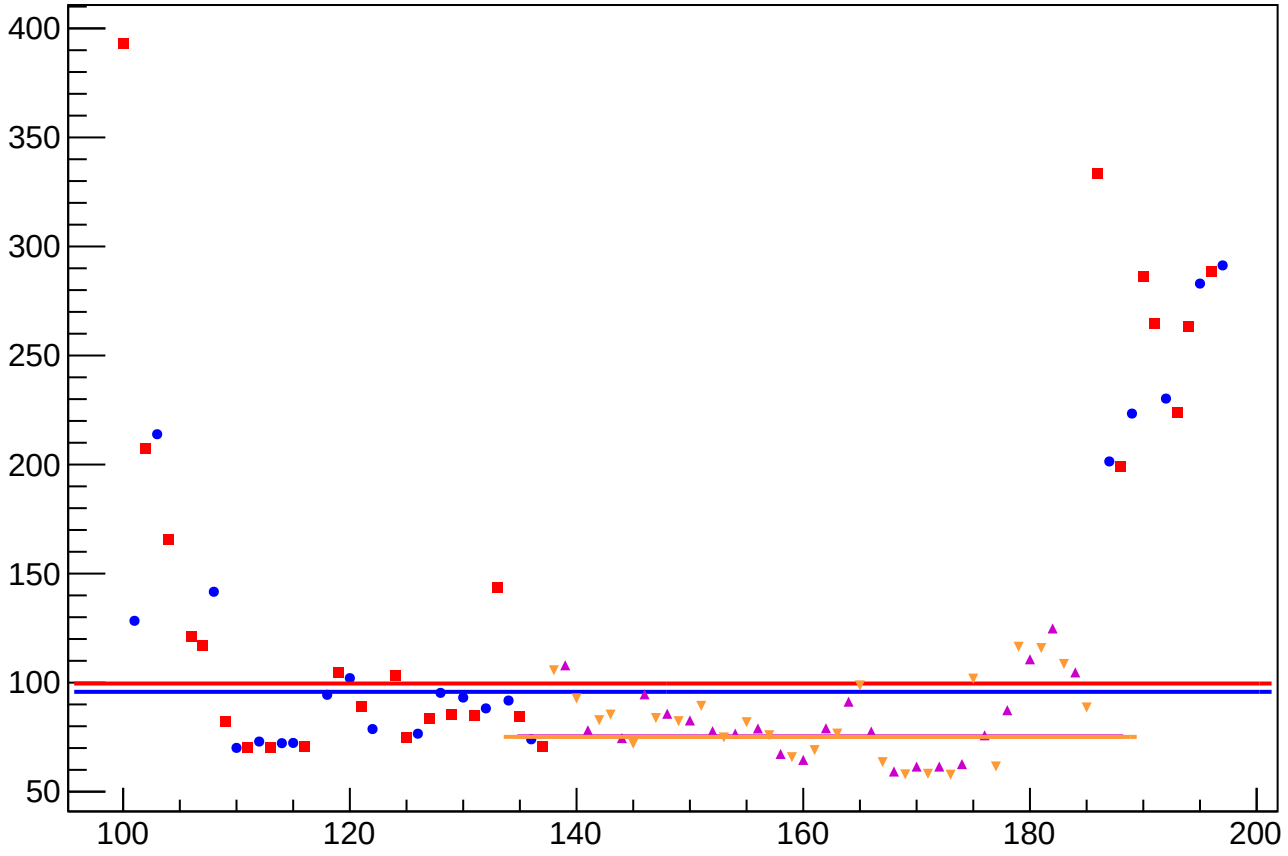
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 64.370+/-15.605 χ^2/NDF: 65.0/45

All: 9.571+/-11.156 χ^2/NDF: 167.7/94

- sign -47.718+/-15.955 χ^2/NDF: 77.4/48

dit_asym_sam_37_avg_rms vs Slug



Right In: 95.779+/-0.023 χ^2/NDF: 3598383.0/20

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 99.597+/-0.023 χ^2/NDF: 4562440.0/25

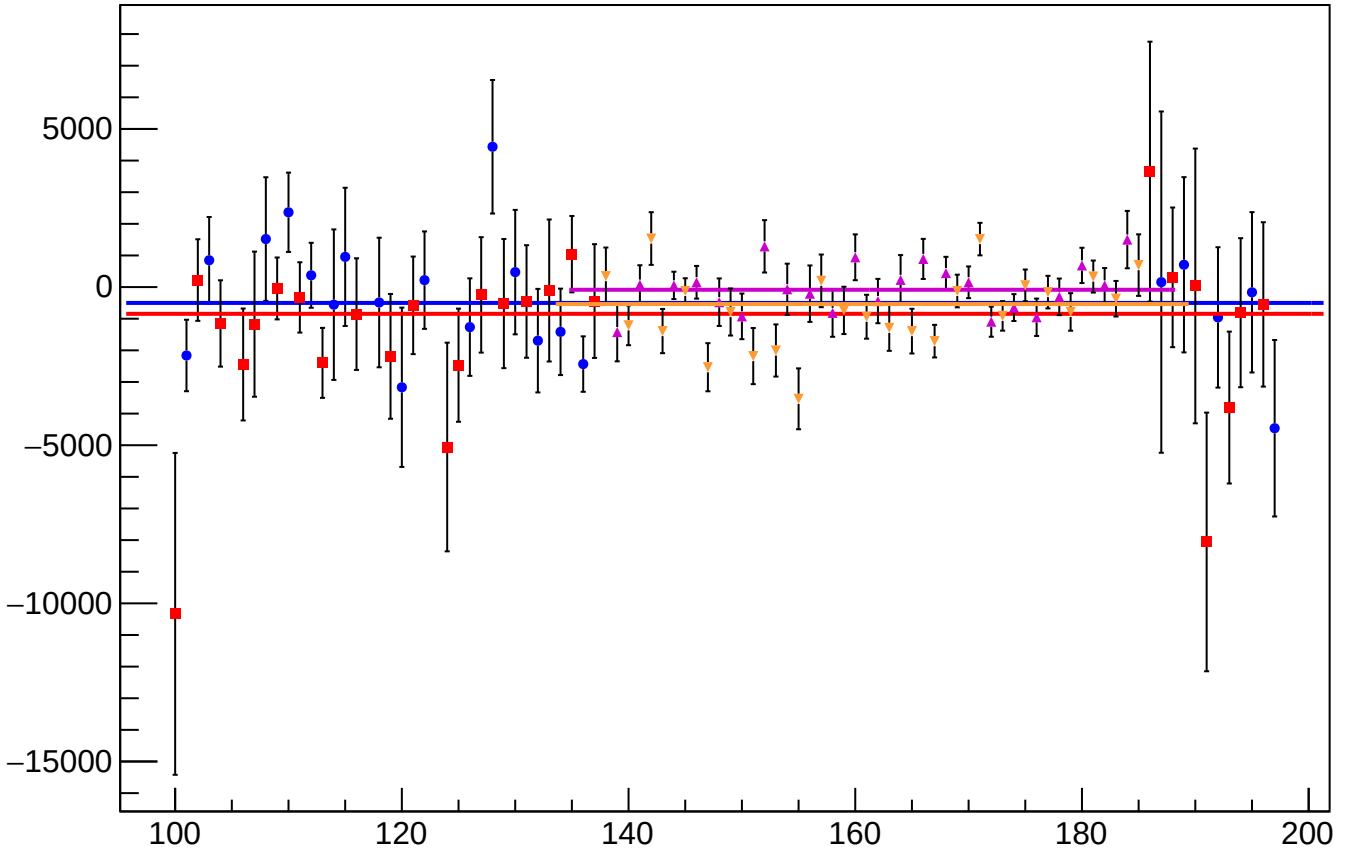
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 79.809+/-0.011 χ^2/NDF: 5813828.3/45

All: 80.453+/-0.008 χ^2/NDF: 12444898.0/94

- sign 81.126+/-0.011 χ^2/NDF: 6624097.4/48

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -500.800+/-350.649 χ^2/NDF: 26.0/20

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -845.440+/-339.283 χ^2/NDF: 19.8/25

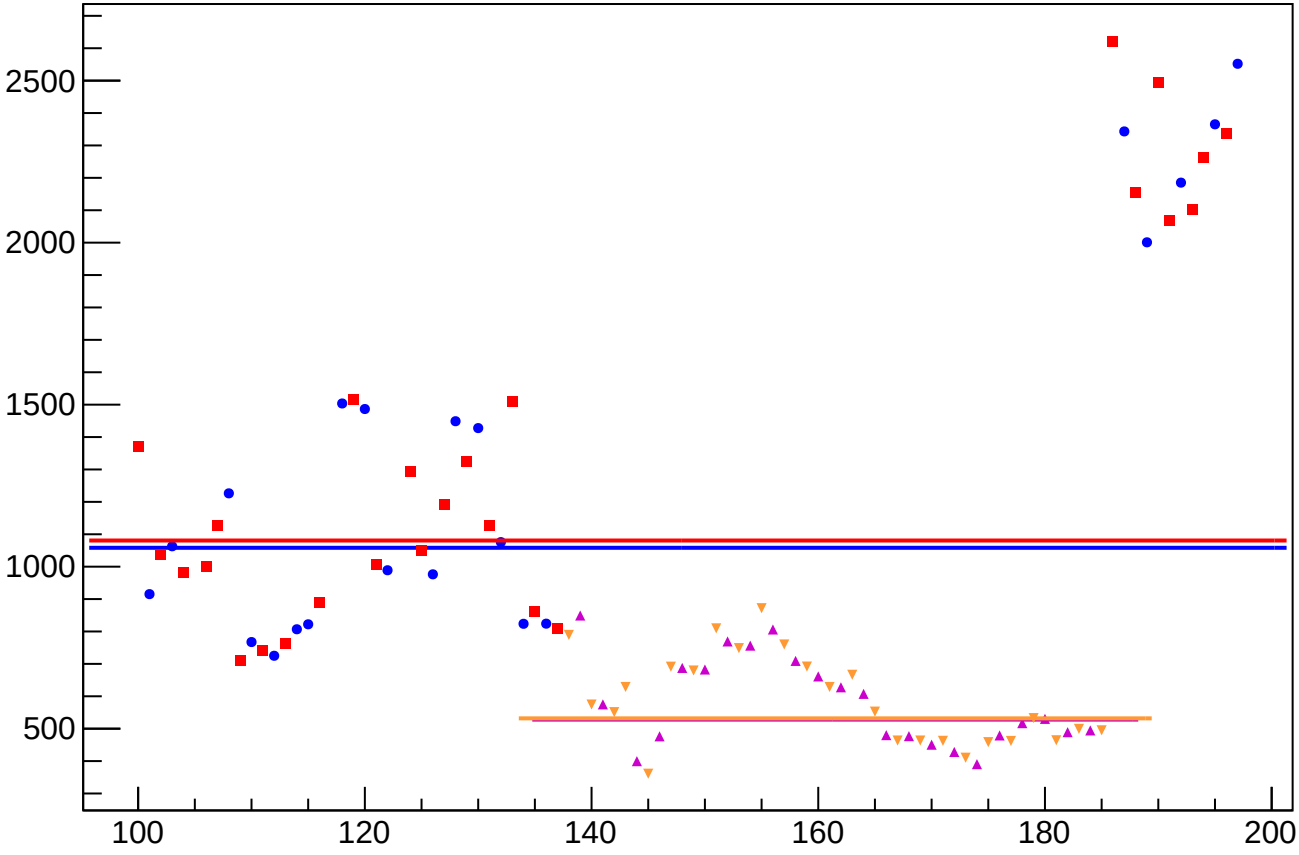
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -532.762+/-117.300 χ^2/NDF: 93.1/45

All: -357.998+/-83.529 χ^2/NDF: 149.2/94

- sign -178.214+/-118.973 χ^2/NDF: 51.7/48

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1058.291+/-0.248 χ^2/NDF: 2879253.9/20

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1080.729+/-0.240 χ^2/NDF: 3434619.3/25

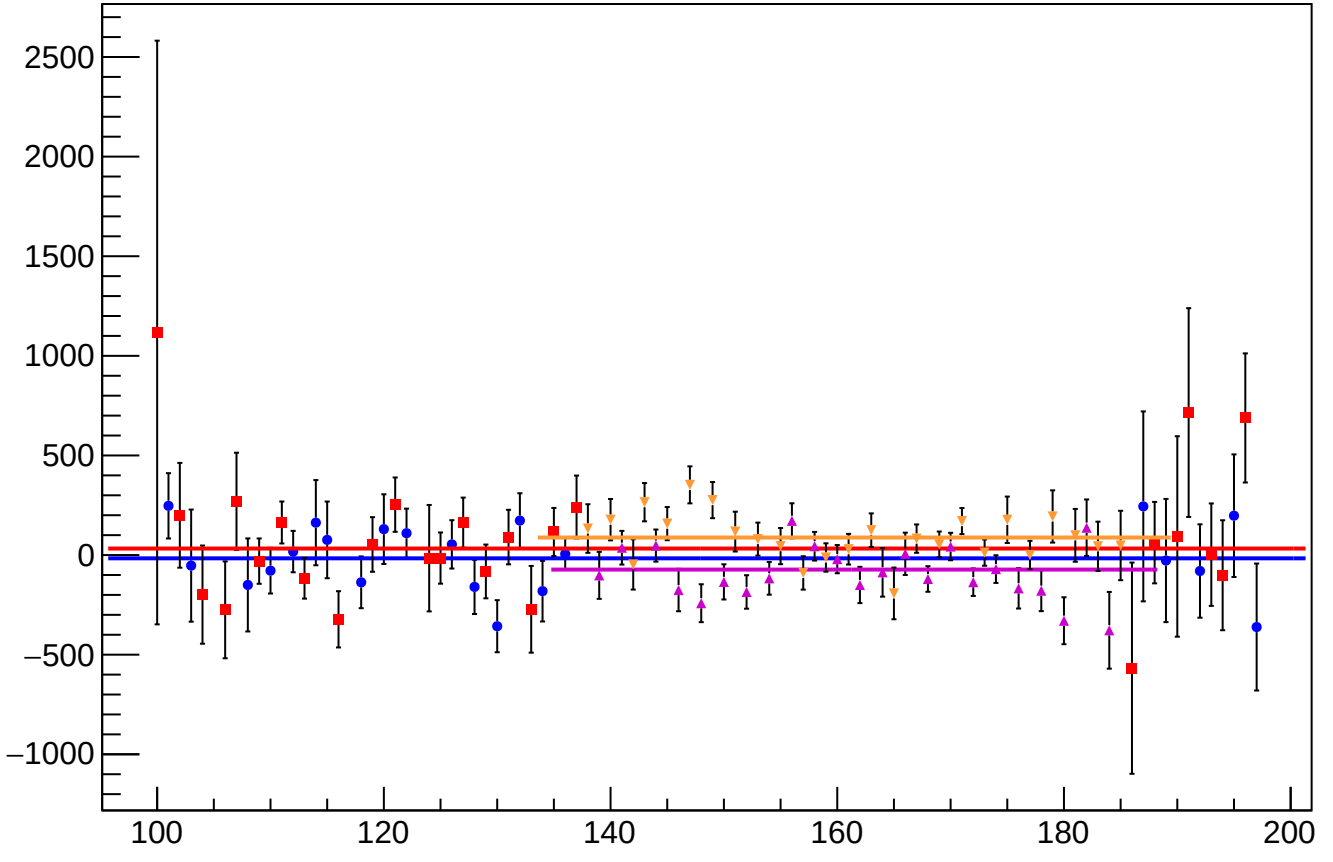
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

\+ sign 590.781+/-0.083 χ^2/NDF: 8920190.7/45

All: 593.330+/-0.059 χ^2/NDF: 18812732.6/94

\- sign 595.952+/-0.084 χ^2/NDF: 9890626.4/48

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -16.391+/-32.777 χ^2/NDF: 20.3/20

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 32.824+/-32.717 χ^2/NDF: 31.0/25

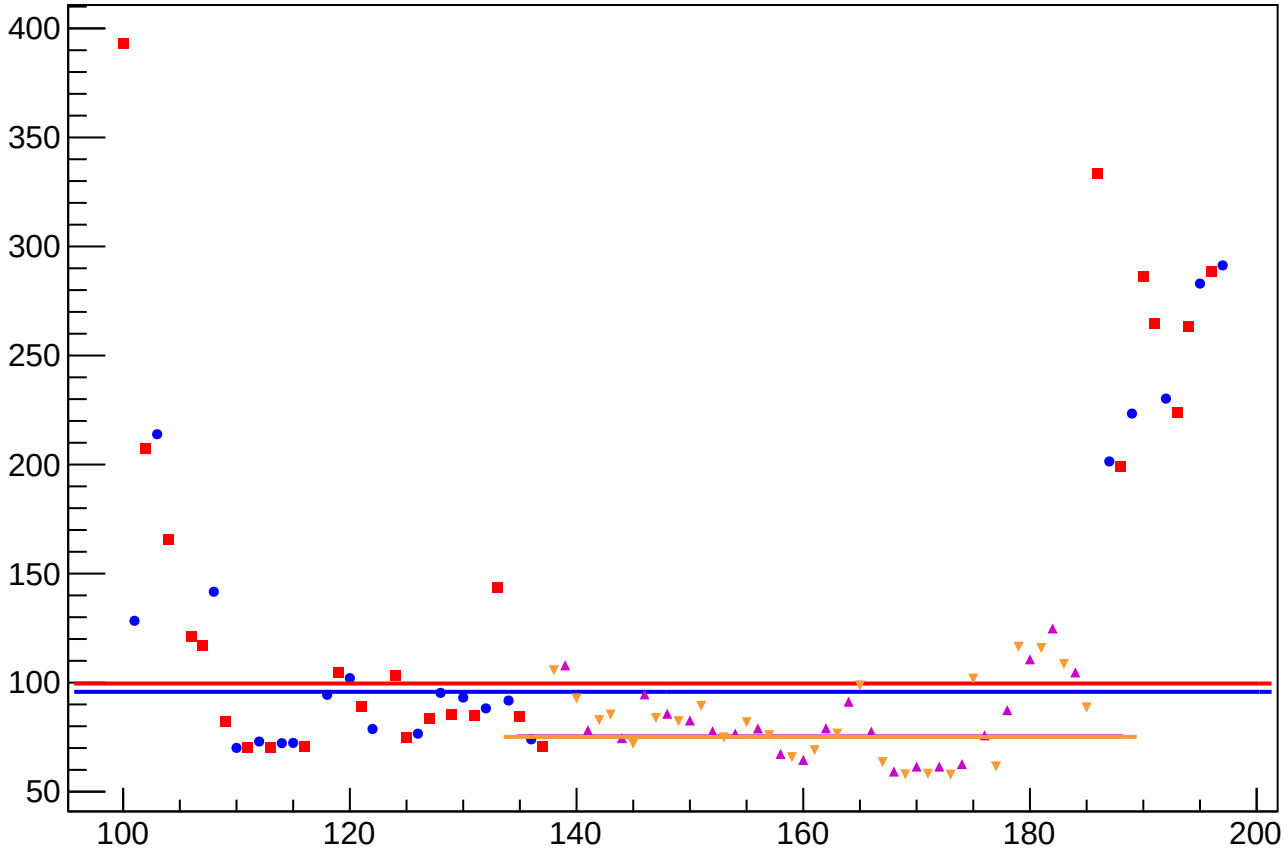
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 64.370+/-15.605 χ^2/NDF: 65.0/45

All: 9.572+/-11.156 χ^2/NDF: 167.7/94

- sign -47.717+/-15.955 χ^2/NDF: 77.4/48

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 95.779+/-0.023 χ^2/NDF: 3598363.4/20

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

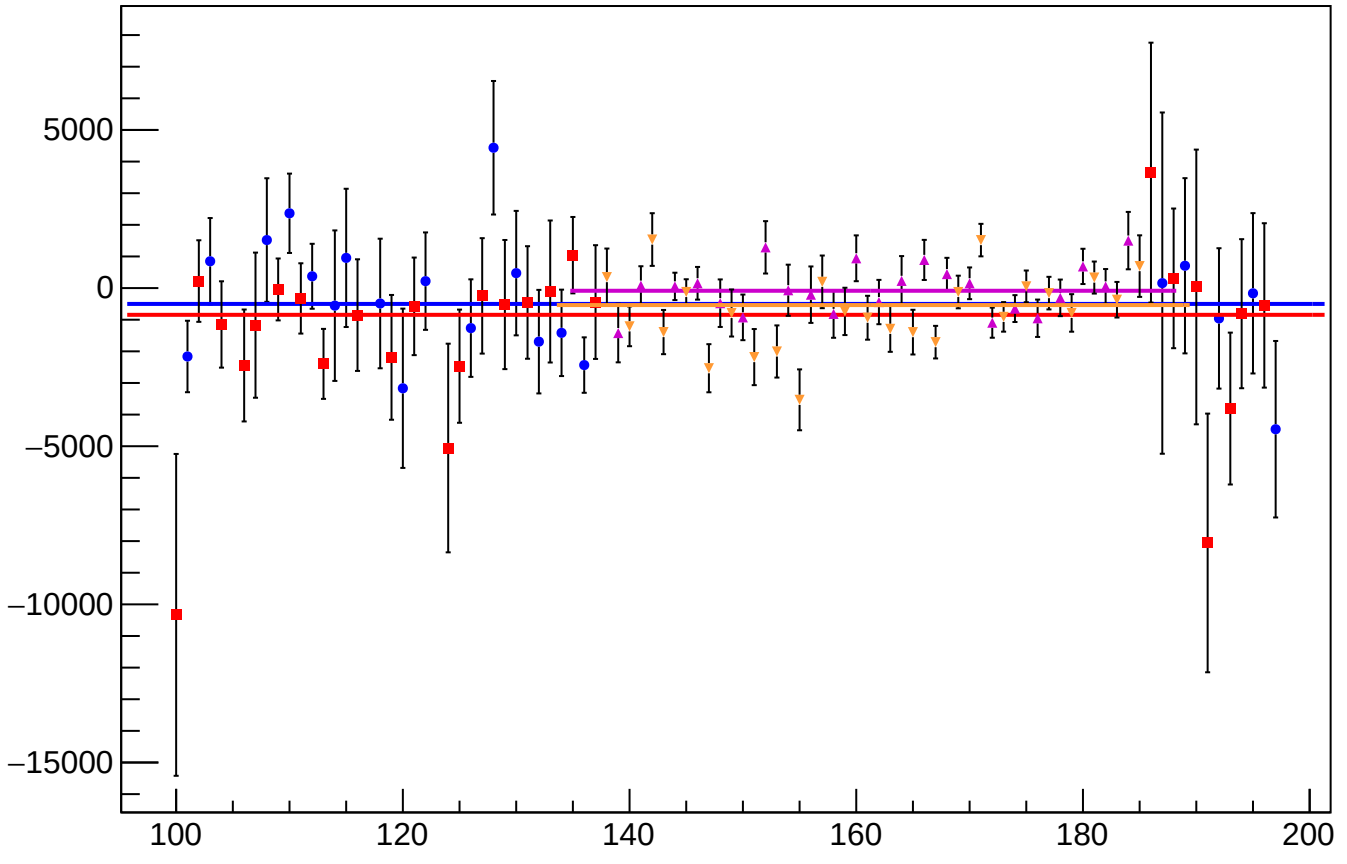
Right Out: 99.597+/-0.023 χ^2/NDF: 4562422.9/25

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 79.809+/-0.011 χ^2/NDF: 5813814.9/45

All: 80.453+/-0.008 χ^2/NDF: 12444882.3/94

- sign 81.127+/-0.011 χ^2/NDF: 6624095.1/48



Right In: -500.798+/-350.649 χ^2/NDF: 26.0/20

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

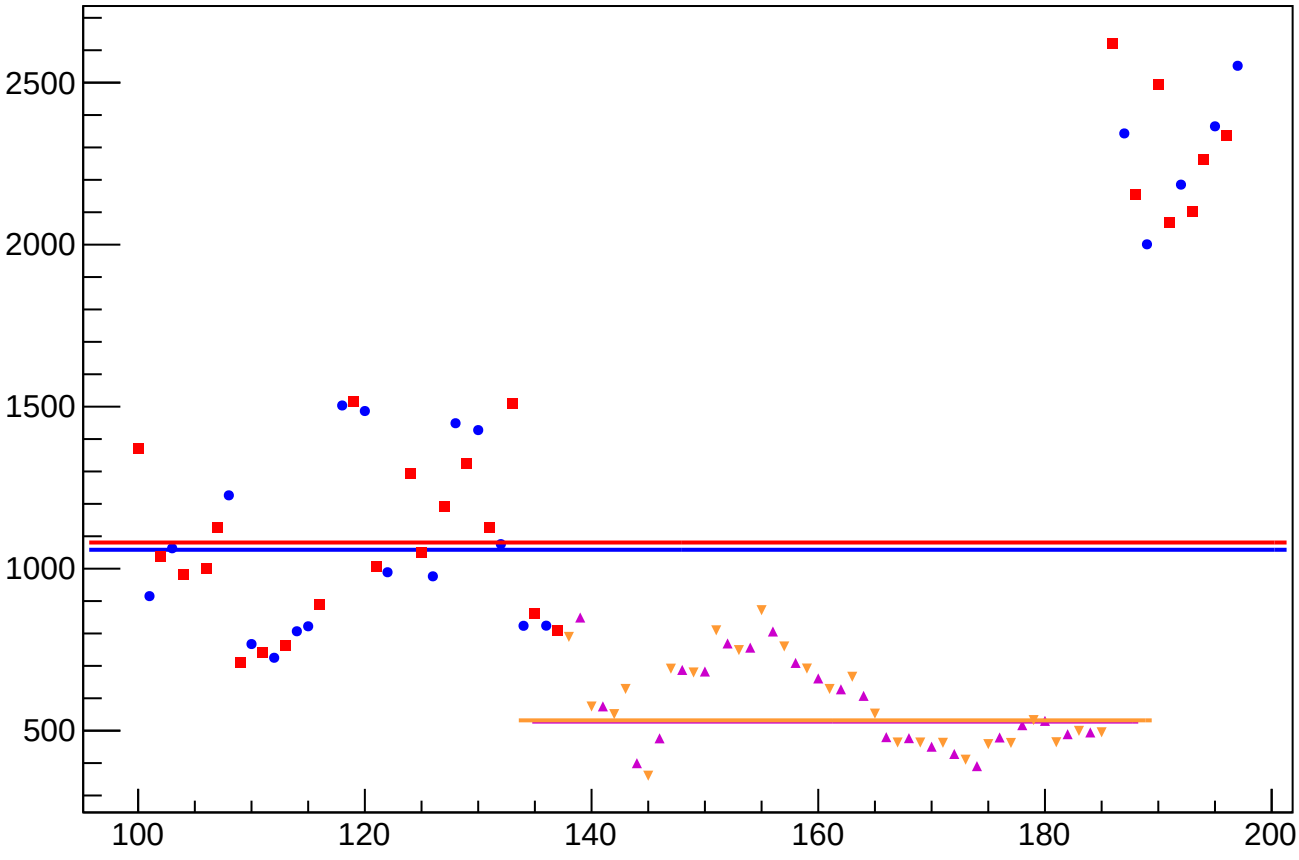
Right Out: -845.439+/-339.282 χ^2/NDF: 19.8/25

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -532.762+/-117.300 χ^2/NDF: 93.1/45

All: -357.998+/-83.529 χ^2/NDF: 149.2/94

- sign -178.214+/-118.973 χ^2/NDF: 51.7/48



Right In: 1058.289+/-0.248 χ^2/NDF: 2879258.8/20

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1080.727+/-0.240 χ^2/NDF: 3434623.1/25

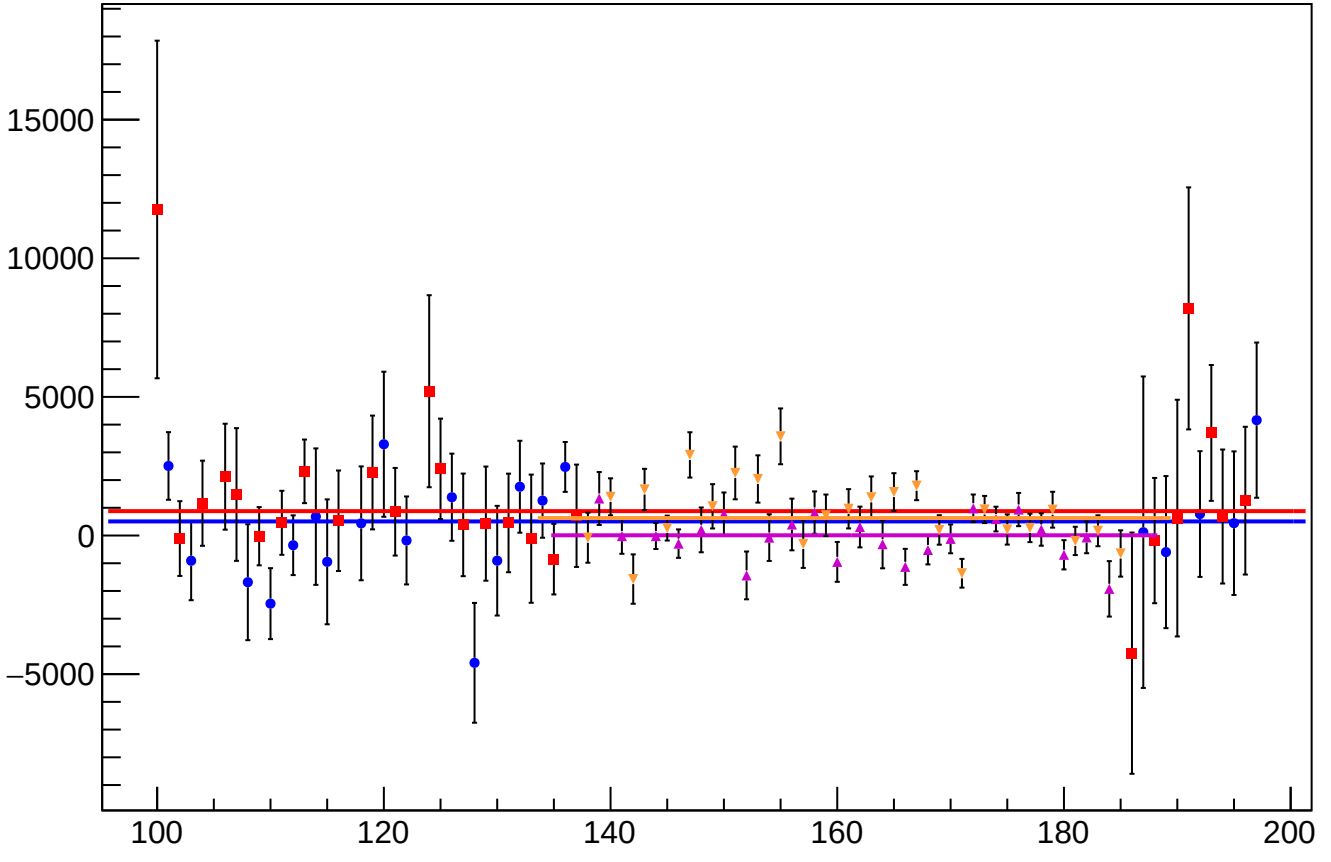
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 590.781+/-0.083 χ^2/NDF: 8920177.4/45

All: 593.330+/-0.059 χ^2/NDF: 18812701.6/94

- sign 595.952+/-0.084 χ^2/NDF: 9890608.6/48

asym_sam_37_avg_mean vs Slug



Right In: 508.699+/-360.929 χ^2/NDF: 26.5/20

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 879.871+/-354.118 χ^2/NDF: 17.5/25

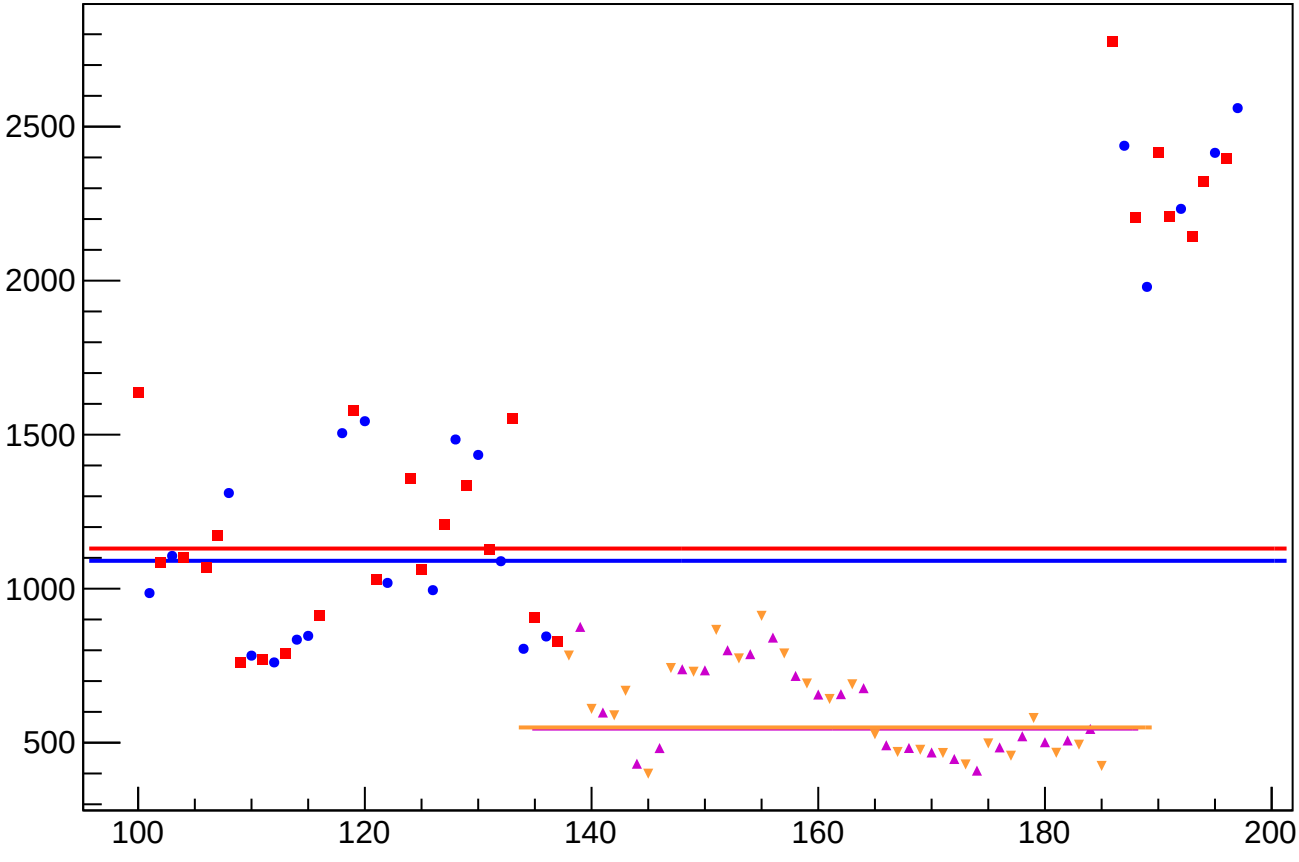
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 615.736+/-121.352 χ^2/NDF: 91.5/45

All: 368.343+/-86.421 χ^2/NDF: 150.0/94

- sign 113.766+/-123.101 χ^2/NDF: 50.1/48

asym_sam_37_avg_rms vs Slug



Right In: 1090.453+/-0.255 χ^2/NDF: 2812809.4/20

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

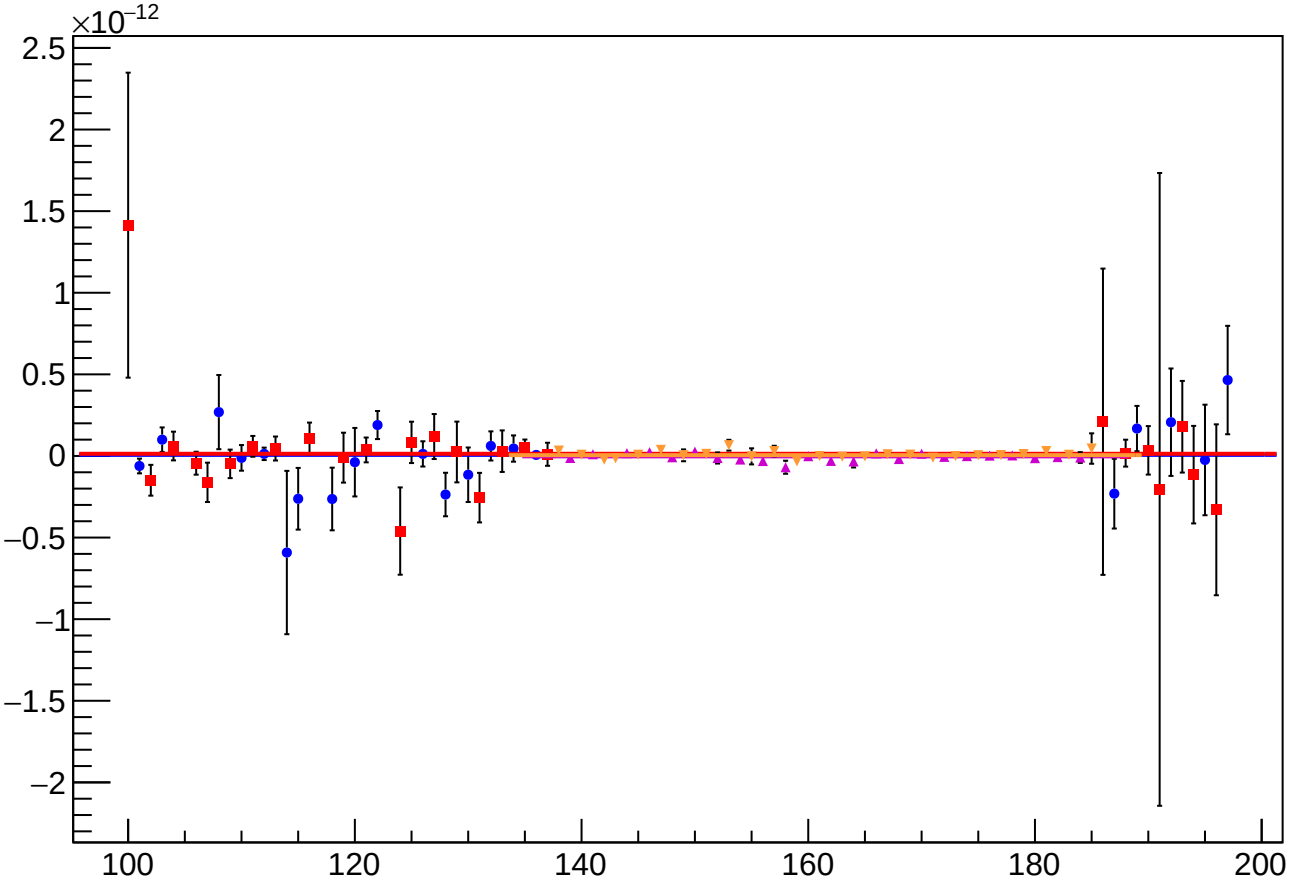
Right Out: 1130.287+/-0.250 χ^2/NDF: 3306529.4/25

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

\+ sign 610.629+/-0.086 χ^2/NDF: 8851897.8/45

All: 613.449+/-0.061 χ^2/NDF: 18766788.2/94

\- sign 616.351+/-0.087 χ^2/NDF: 9912698.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

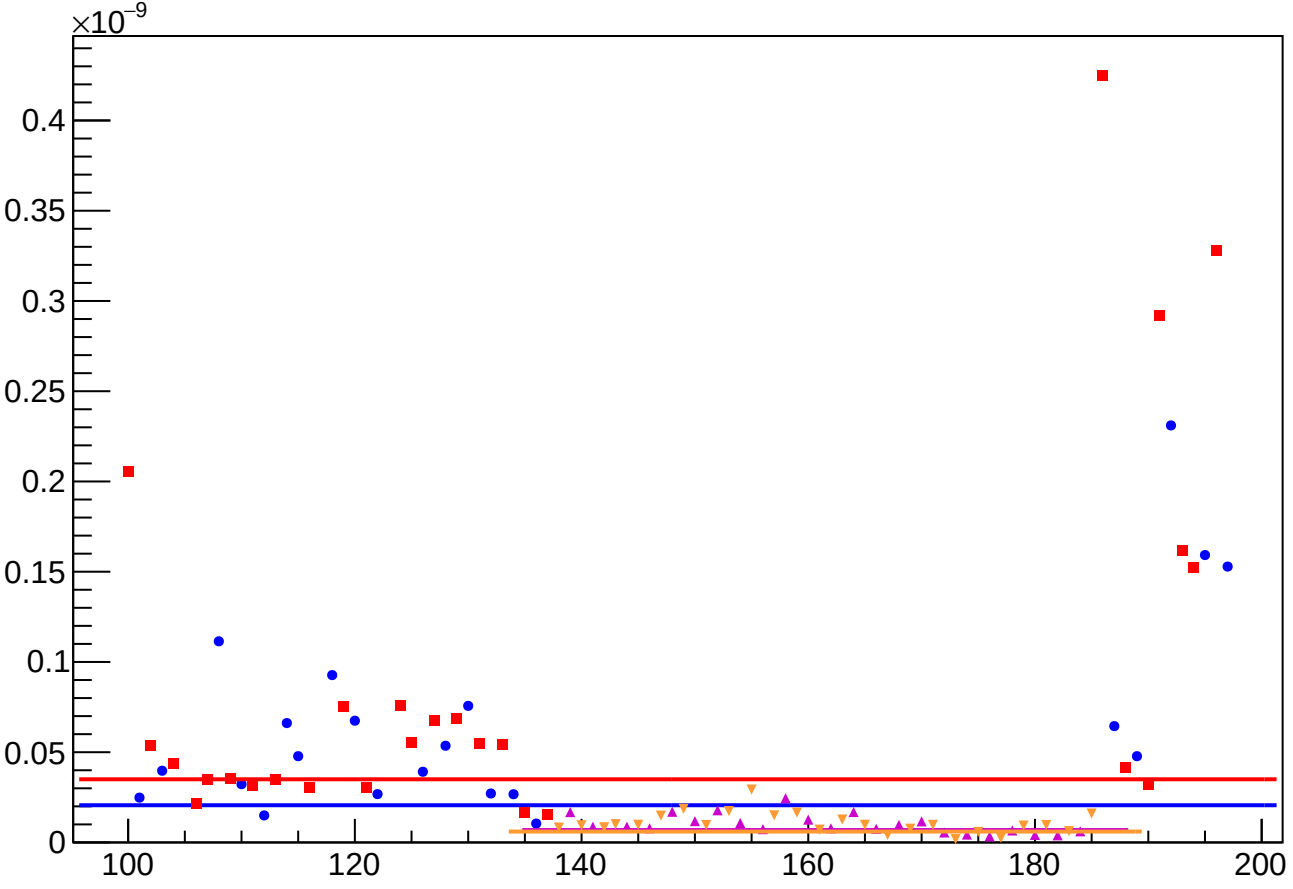
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/25

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/45

All: 0.000+/-0.000 χ^2/NDF: 82.7/94

- sign -0.000+/-0.000 χ^2/NDF: 40.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 3626929.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2941201.0/25

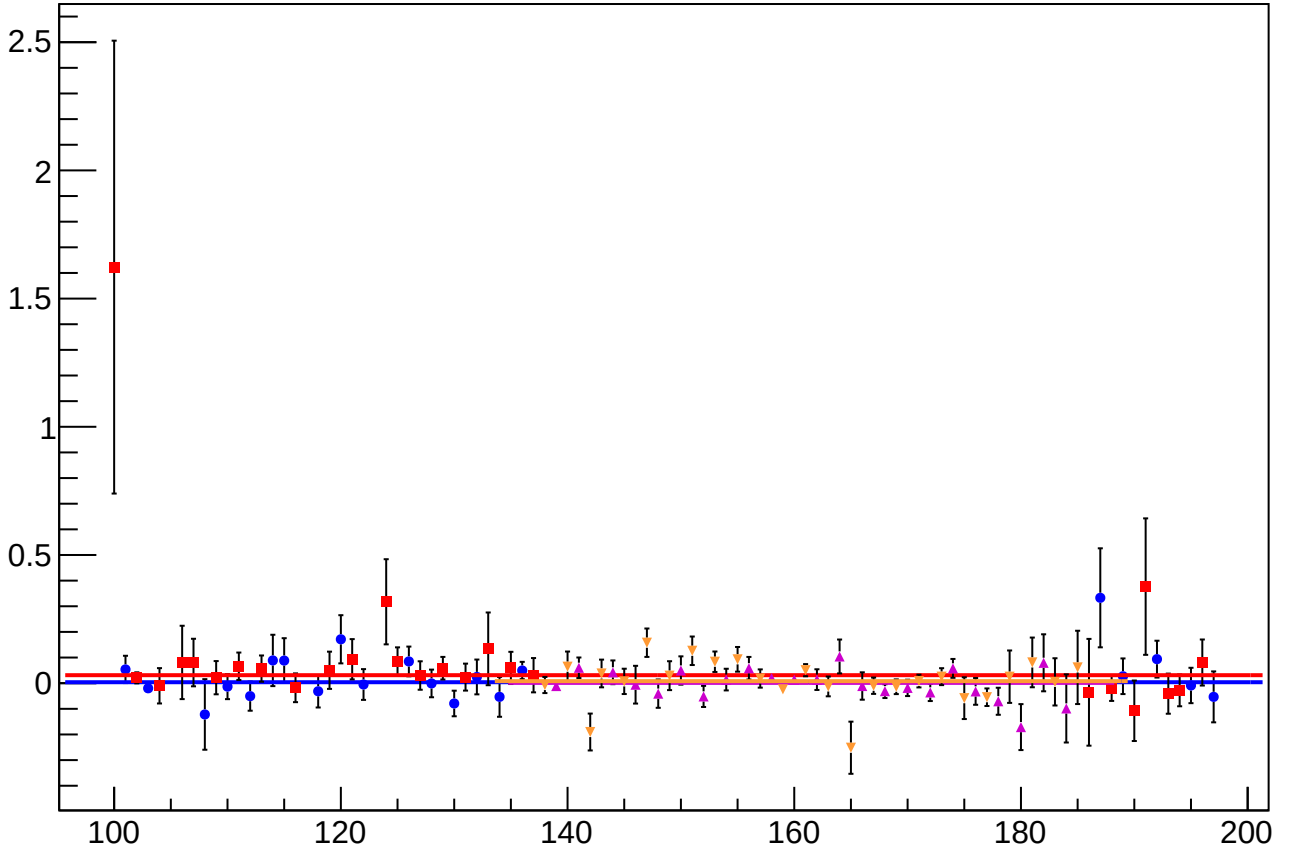
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9242183.3/45

All: 0.000+/-0.000 χ^2/NDF: 18614423.0/94

- sign 0.000+/-0.000 χ^2/NDF: 9278110.7/48

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.011 χ^2/NDF: 21.5/20

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.031+/-0.012 χ^2/NDF: 17.7/25

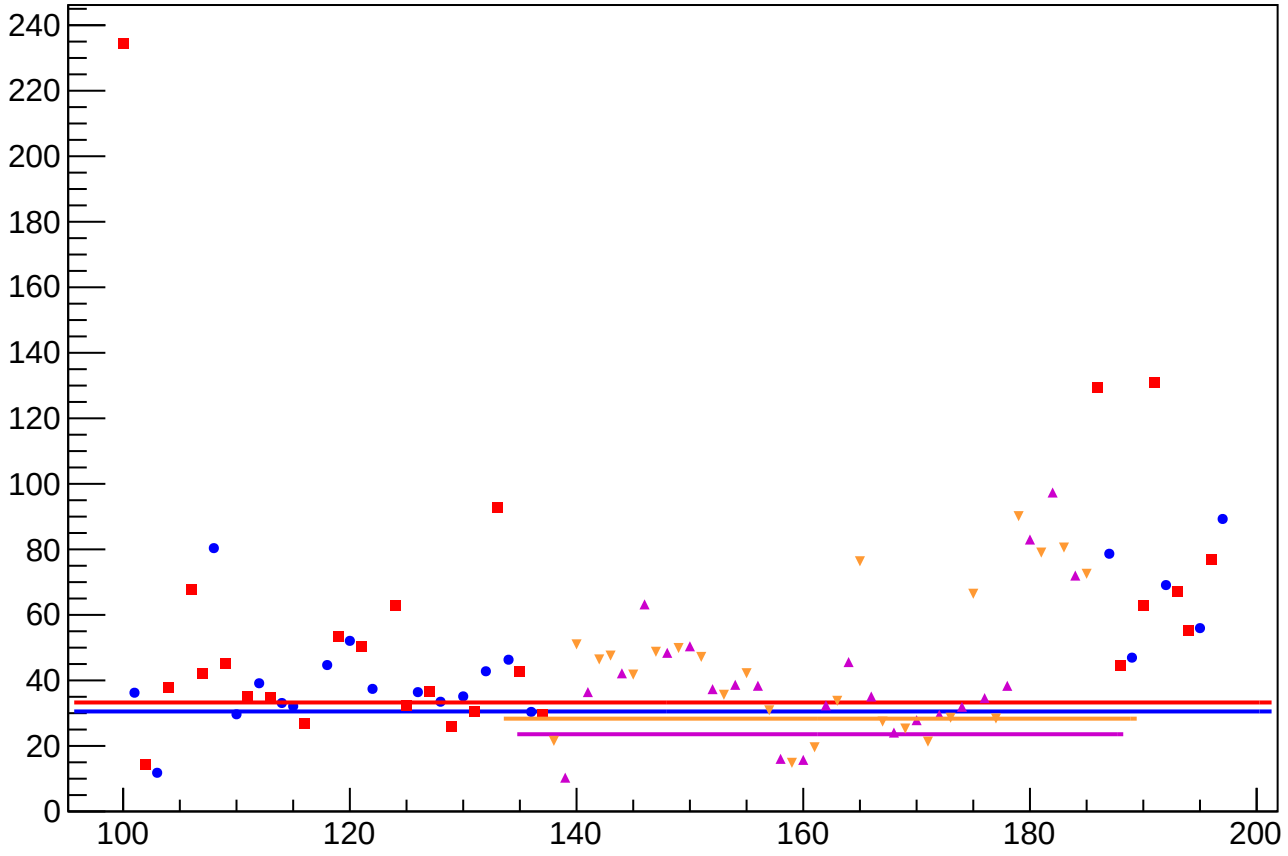
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.2/45

All: 0.008+/-0.004 χ^2/NDF: 116.9/94

- sign 0.009+/-0.006 χ^2/NDF: 47.7/48

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 30.526+/-0.008 χ^2/NDF: 4359846.3/20

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 33.268+/-0.008 χ^2/NDF: 4706687.8/25

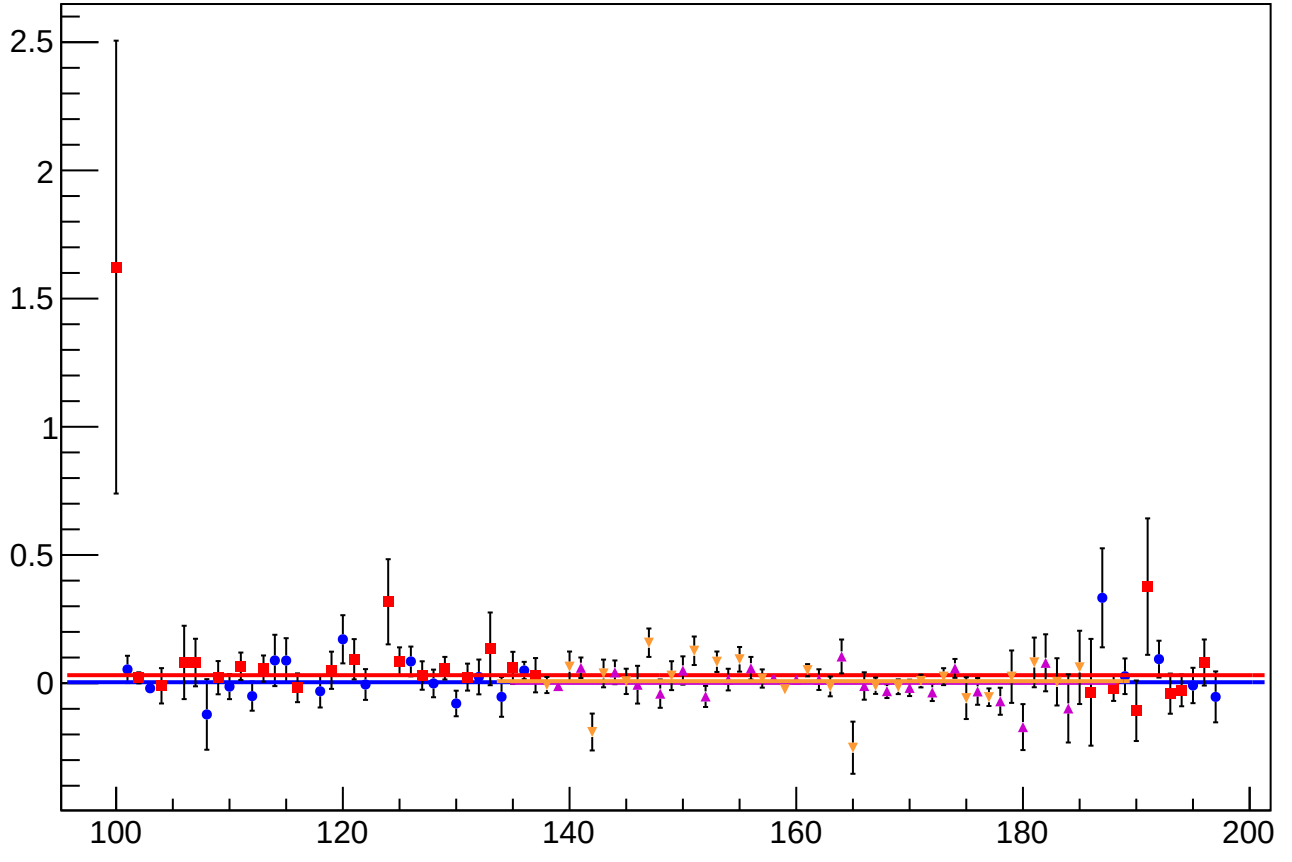
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.996+/-0.004 χ^2/NDF: 11199674.4/45

All: 27.406+/-0.003 χ^2/NDF: 25434380.7/94

- sign 26.027+/-0.004 χ^2/NDF: 13997959.4/48

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.011 χ^2/NDF: 21.5/20

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.031+/-0.012 χ^2/NDF: 17.7/25

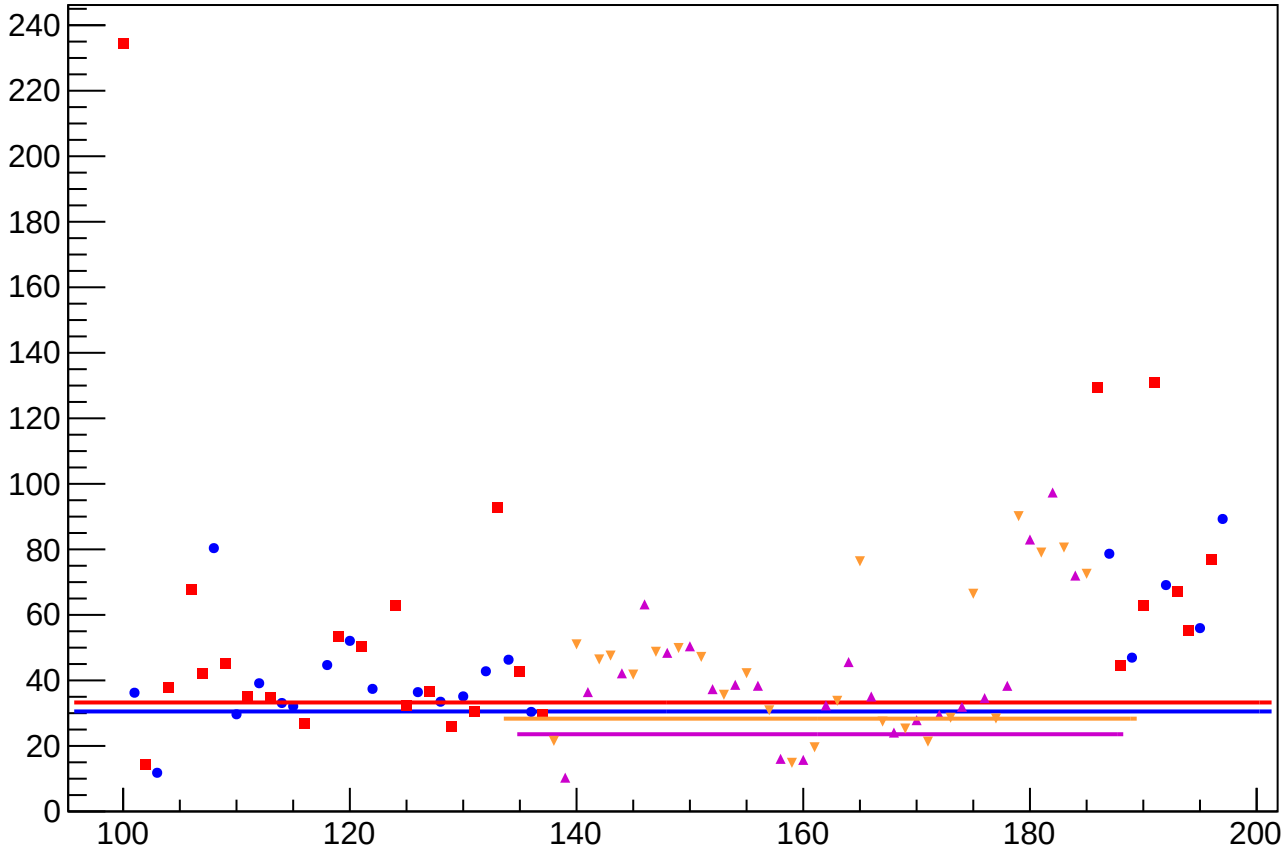
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.2/45

All: 0.008+/-0.004 χ^2/NDF: 116.9/94

- sign 0.009+/-0.006 χ^2/NDF: 47.7/48

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.526+/-0.008 χ^2/NDF: 4359846.3/20

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

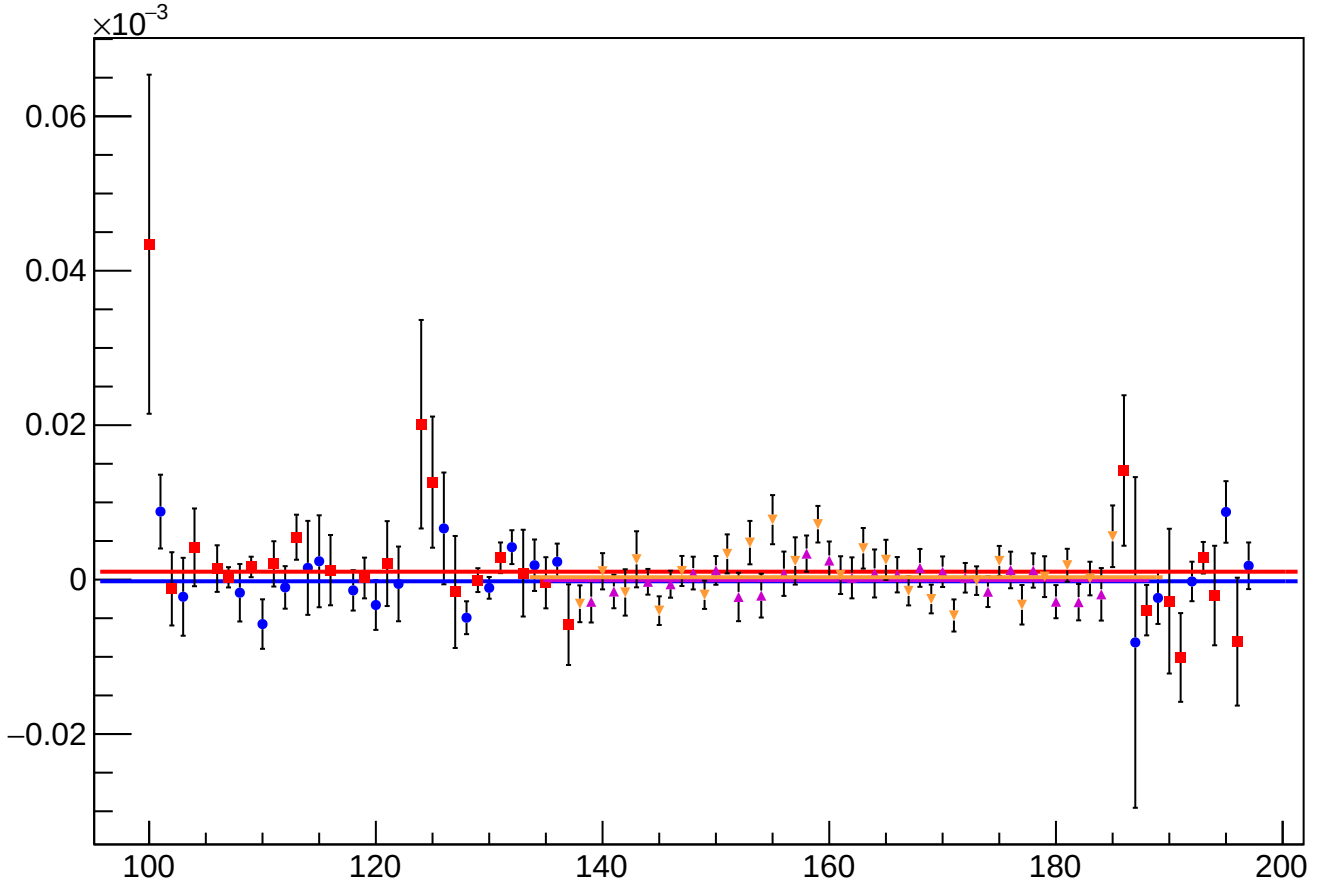
Right Out: 33.268+/-0.008 χ^2/NDF: 4706687.8/25

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.996+/-0.004 χ^2/NDF: 11199674.4/45

All: 27.406+/-0.003 χ^2/NDF: 25434380.7/94

- sign 26.027+/-0.004 χ^2/NDF: 13997959.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

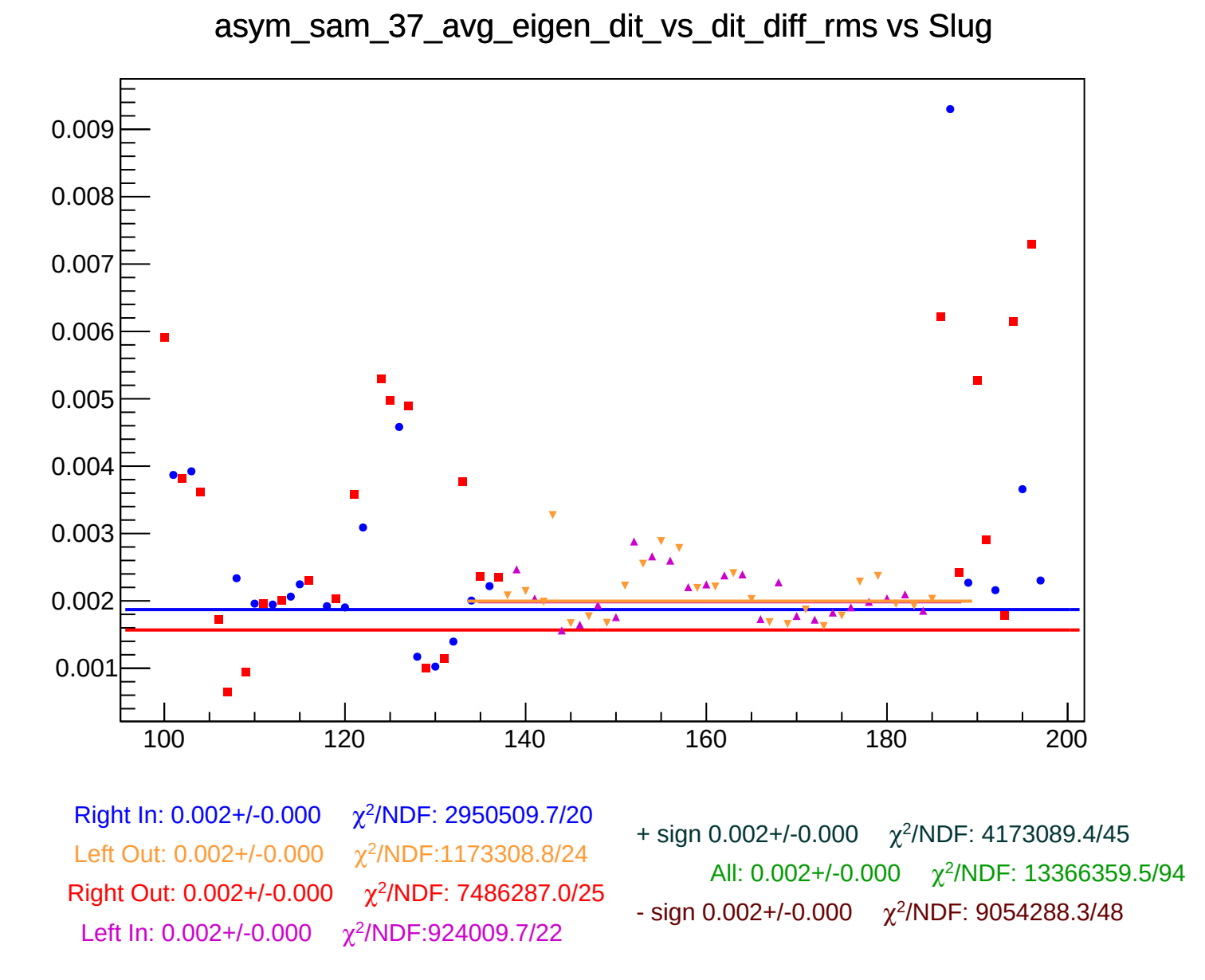
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/25

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

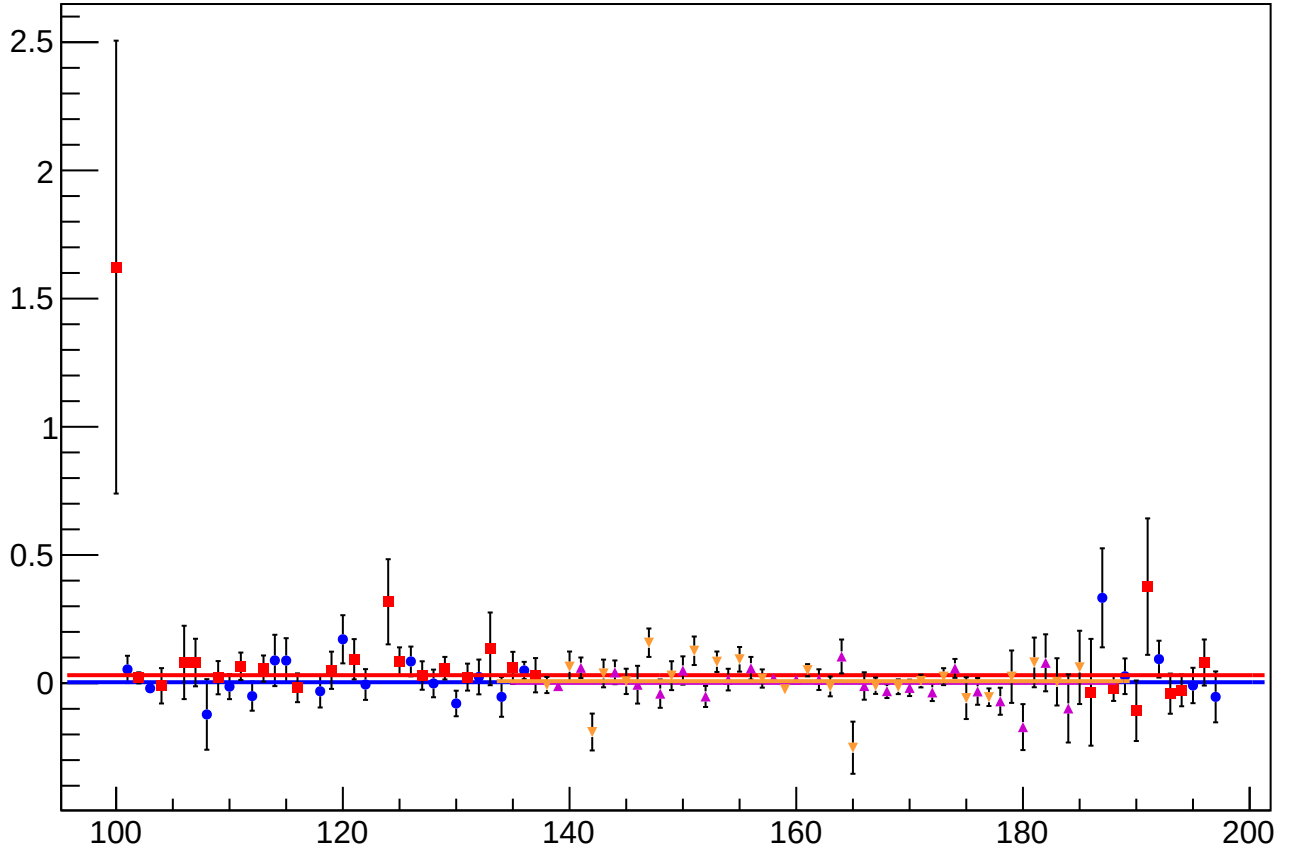
+ sign 0.000+/-0.000 χ^2/NDF: 72.3/45

All: 0.000+/-0.000 χ^2/NDF: 111.8/94

- sign 0.000+/-0.000 χ^2/NDF: 39.3/48


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
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: 0.002+/-0.000 χ²/NDF: 2950509.7/20
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 7486287.0/25
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 4173089.4/45
All: 0.002+/-0.000 χ²/NDF: 13366359.5/94
- sign 0.002+/-0.000 χ²/NDF: 9054288.3/48

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.011 χ^2/NDF: 21.5/20

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.031+/-0.012 χ^2/NDF: 17.7/25

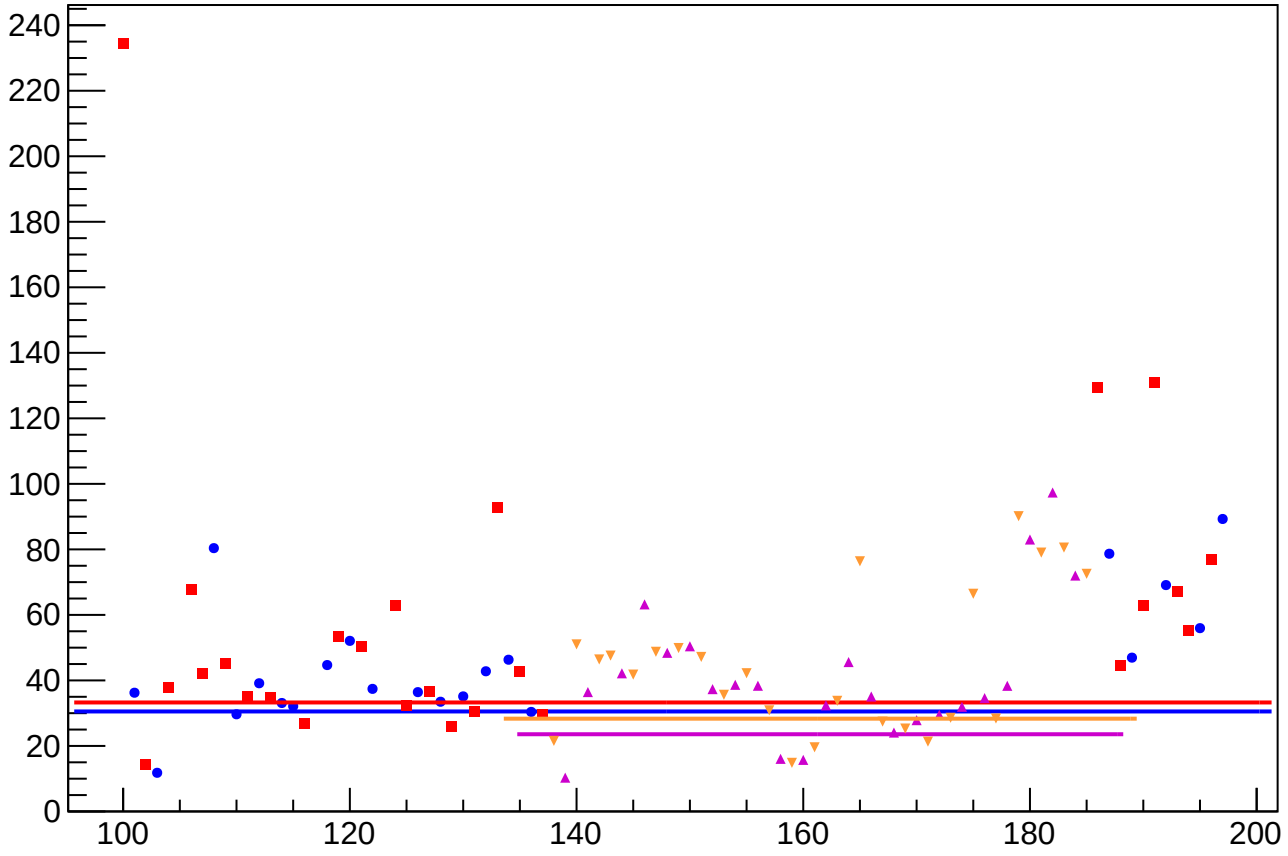
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.2/45

All: 0.008+/-0.004 χ^2/NDF: 116.9/94

- sign 0.009+/-0.006 χ^2/NDF: 47.7/48

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.526+/-0.008 χ^2/NDF: 4360128.7/20

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

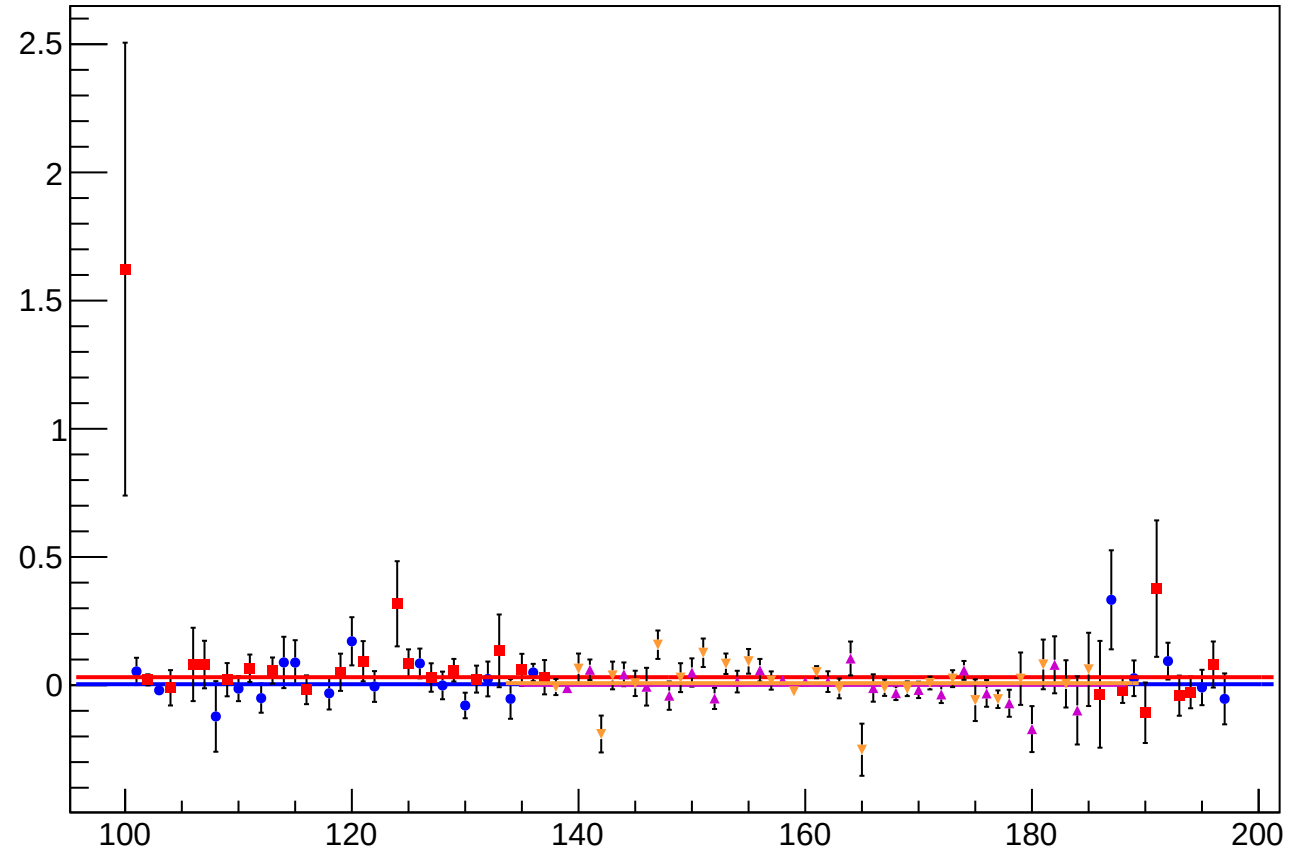
Right Out: 33.271+/-0.008 χ^2/NDF: 4705746.0/25

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.996+/-0.004 χ^2/NDF: 11200395.9/45

All: 27.405+/-0.003 χ^2/NDF: 25435972.7/94

- sign 26.026+/-0.004 χ^2/NDF: 13998834.2/48



Right In: 0.004+/-0.011 χ^2/NDF: 21.5/20

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.031+/-0.012 χ^2/NDF: 17.7/25

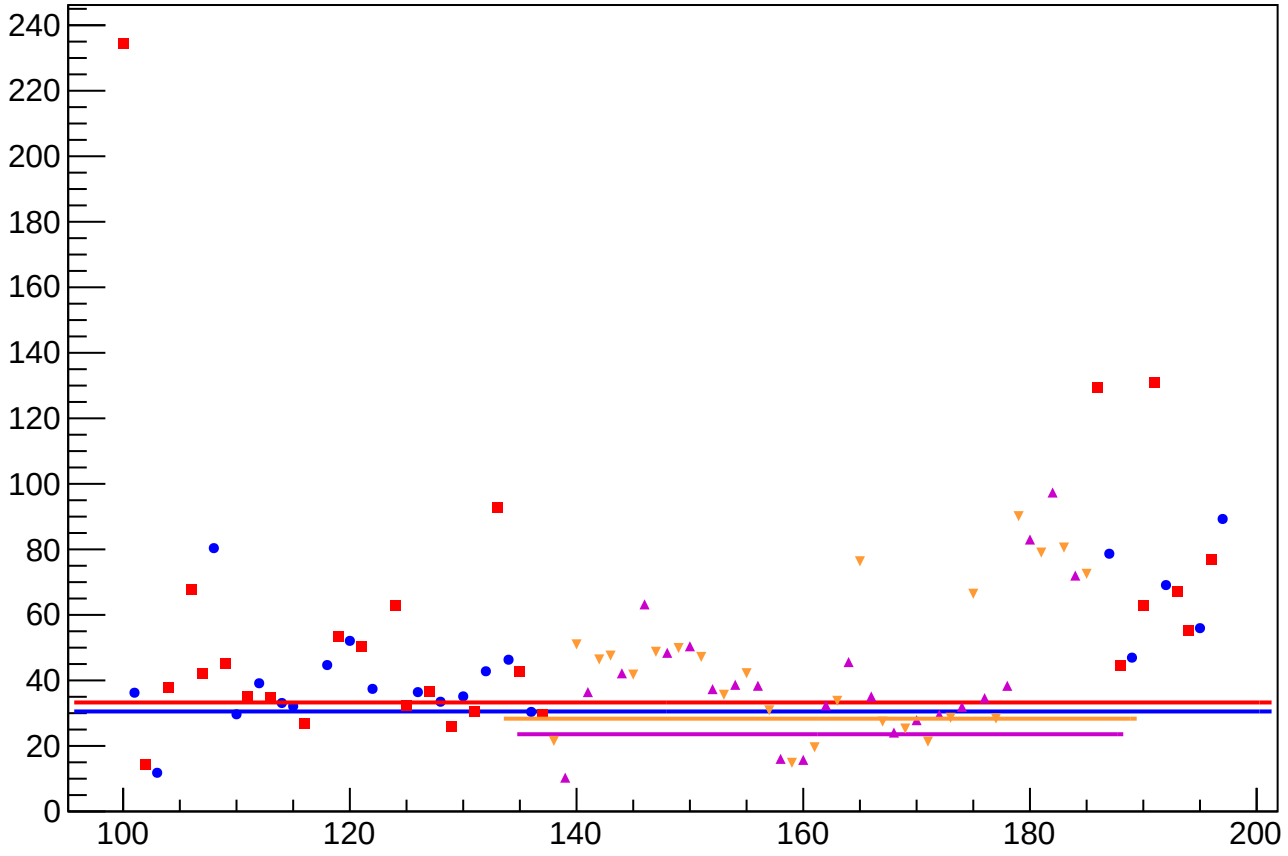
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 69.2/45

All: 0.008+/-0.004 χ^2/NDF: 116.9/94

- sign 0.009+/-0.006 χ^2/NDF: 47.7/48

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.526+/-0.008 χ^2/NDF: 4360128.7/20

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

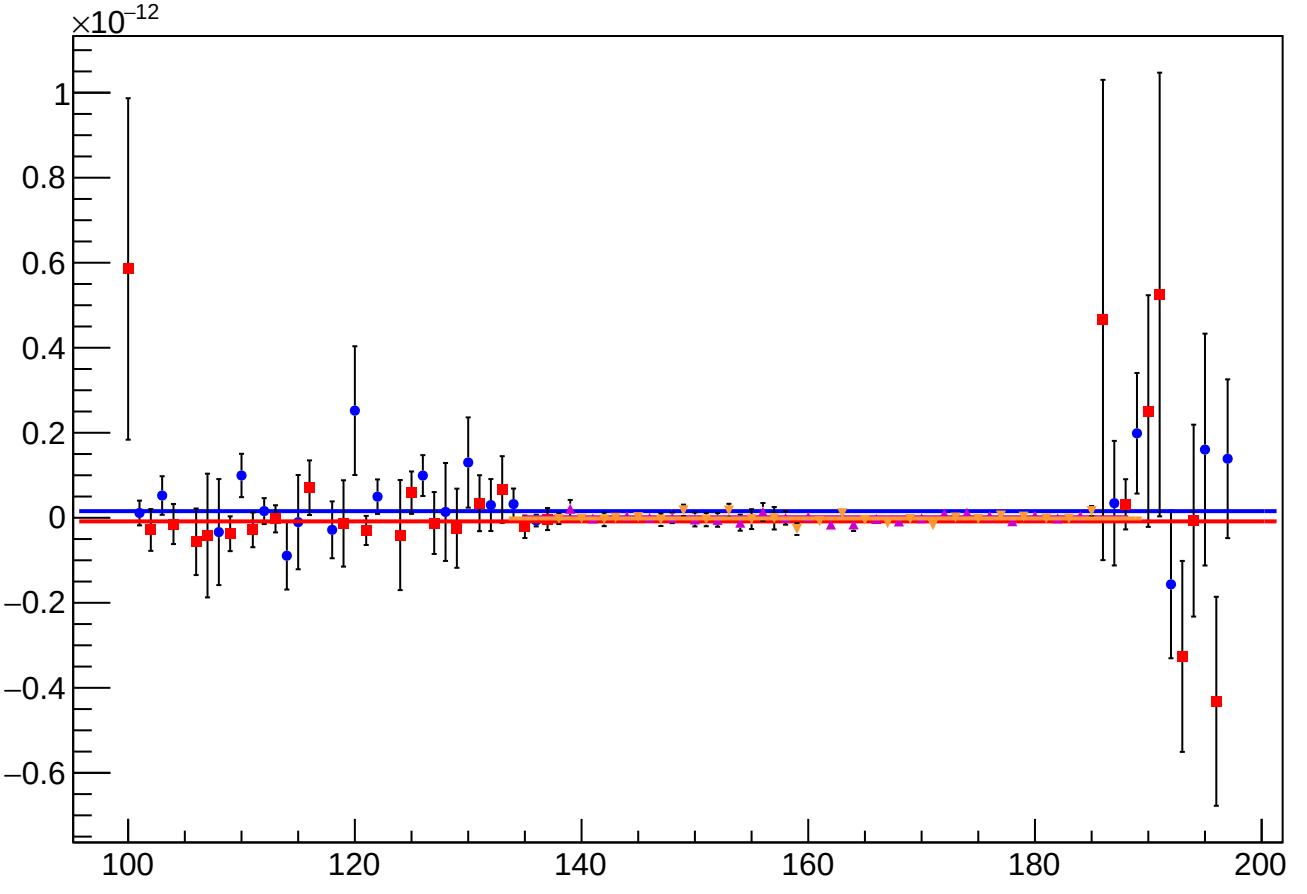
Right Out: 33.271+/-0.008 χ^2/NDF: 4705746.0/25

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.996+/-0.004 χ^2/NDF: 11200395.9/45

All: 27.405+/-0.003 χ^2/NDF: 25435972.7/94

- sign 26.026+/-0.004 χ^2/NDF: 13998834.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

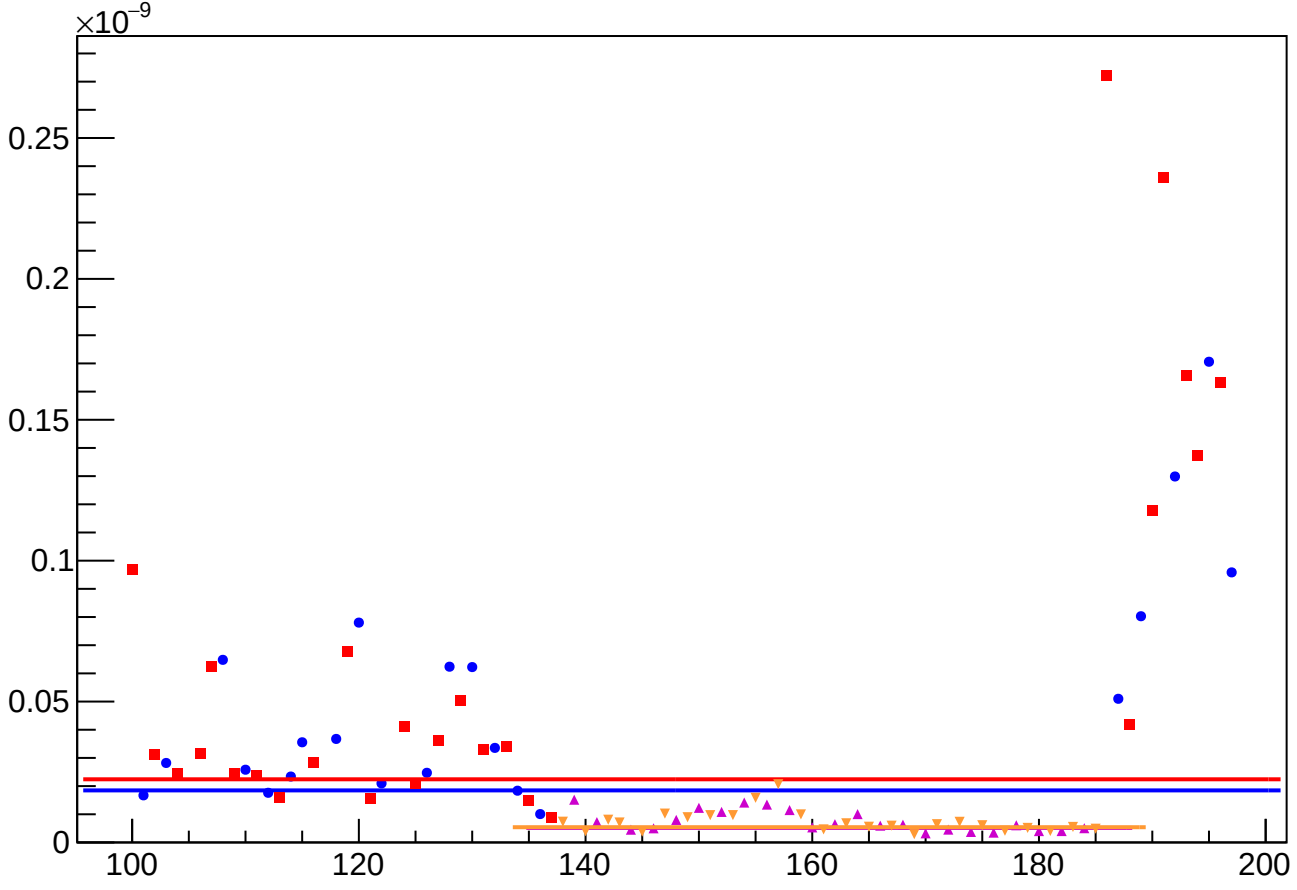
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/25

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.1/45

All: 0.000+/-0.000 χ^2/NDF: 74.6/94

- sign 0.000+/-0.000 χ^2/NDF: 33.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 4736246.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5162032.7/25

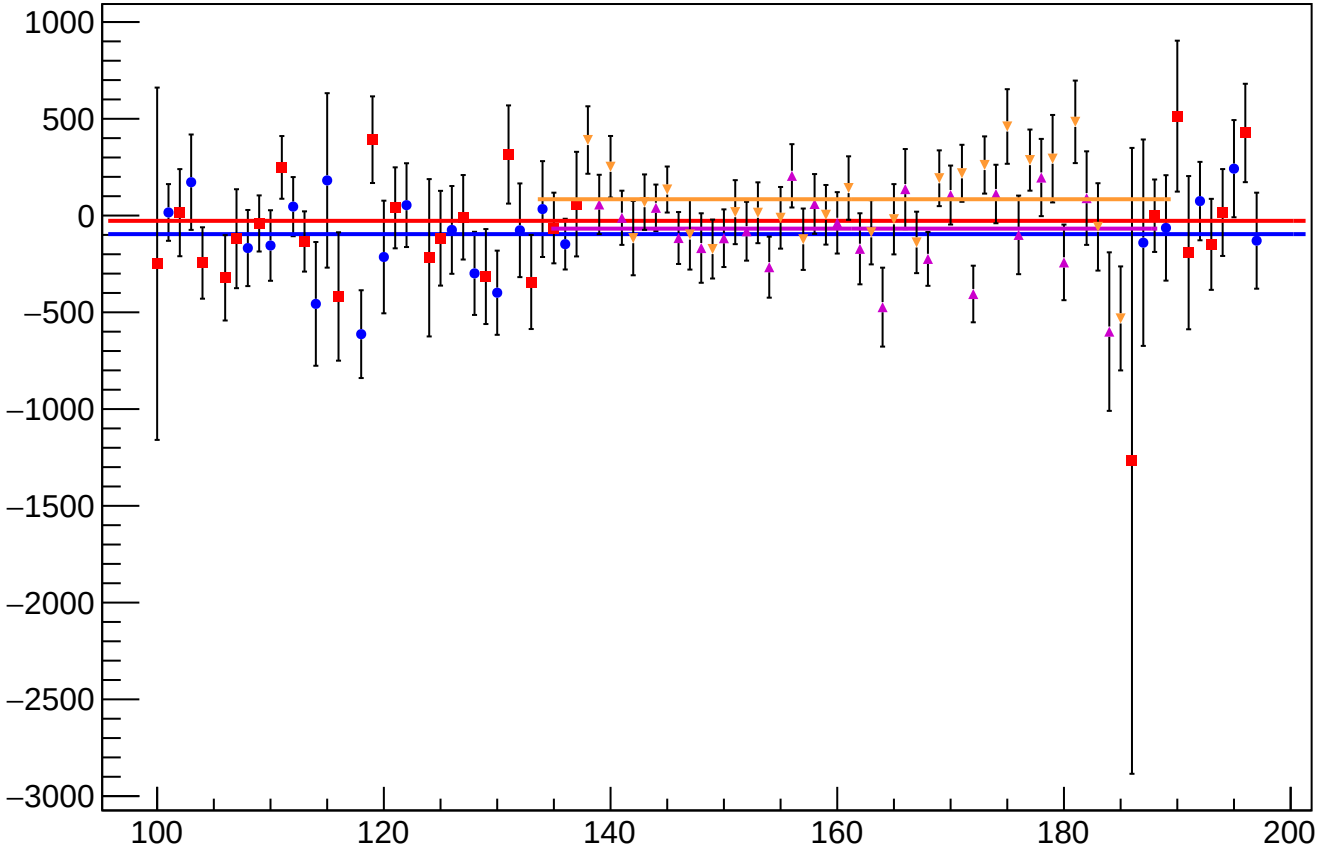
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11551565.1/45

All: 0.000+/-0.000 χ^2/NDF: 25279451.1/94

- sign 0.000+/-0.000 χ^2/NDF: 13708583.5/48

reg_asym_sam_48_avg_mean vs Slug



Right In: -96.003+/-46.810 χ^2/NDF: 16.2/20

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -27.344+/-44.868 χ^2/NDF: 23.4/25

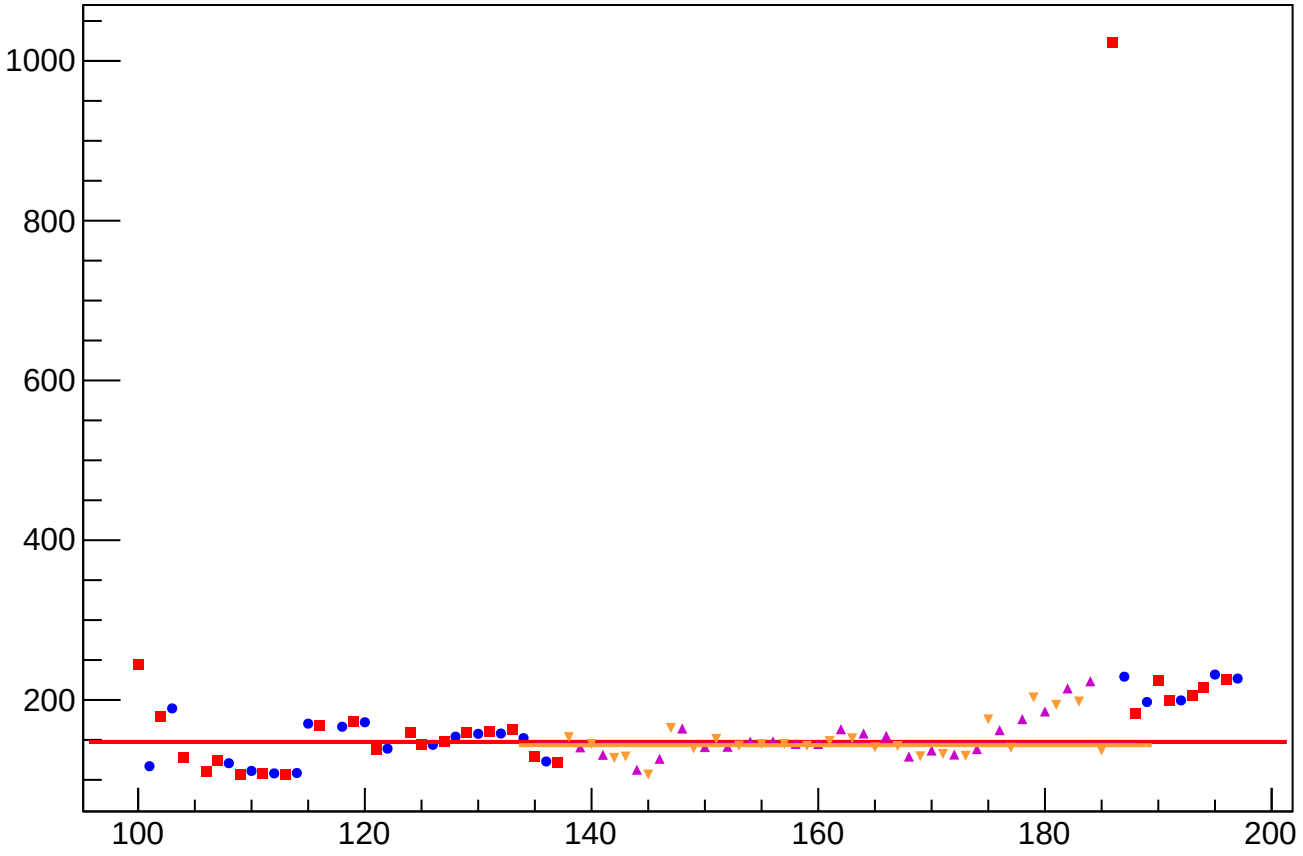
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 24.371+/-26.991 χ^2/NDF: 59.9/45

All: -13.997+/-19.148 χ^2/NDF: 114.4/94

- sign -52.870+/-27.168 χ^2/NDF: 50.4/48

reg_asym_sam_48_avg_rms vs Slug



Right In: 147.447+/-0.033 χ^2/NDF: 1215959.9/20

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 147.439+/-0.032 χ^2/NDF: 1926279.7/25

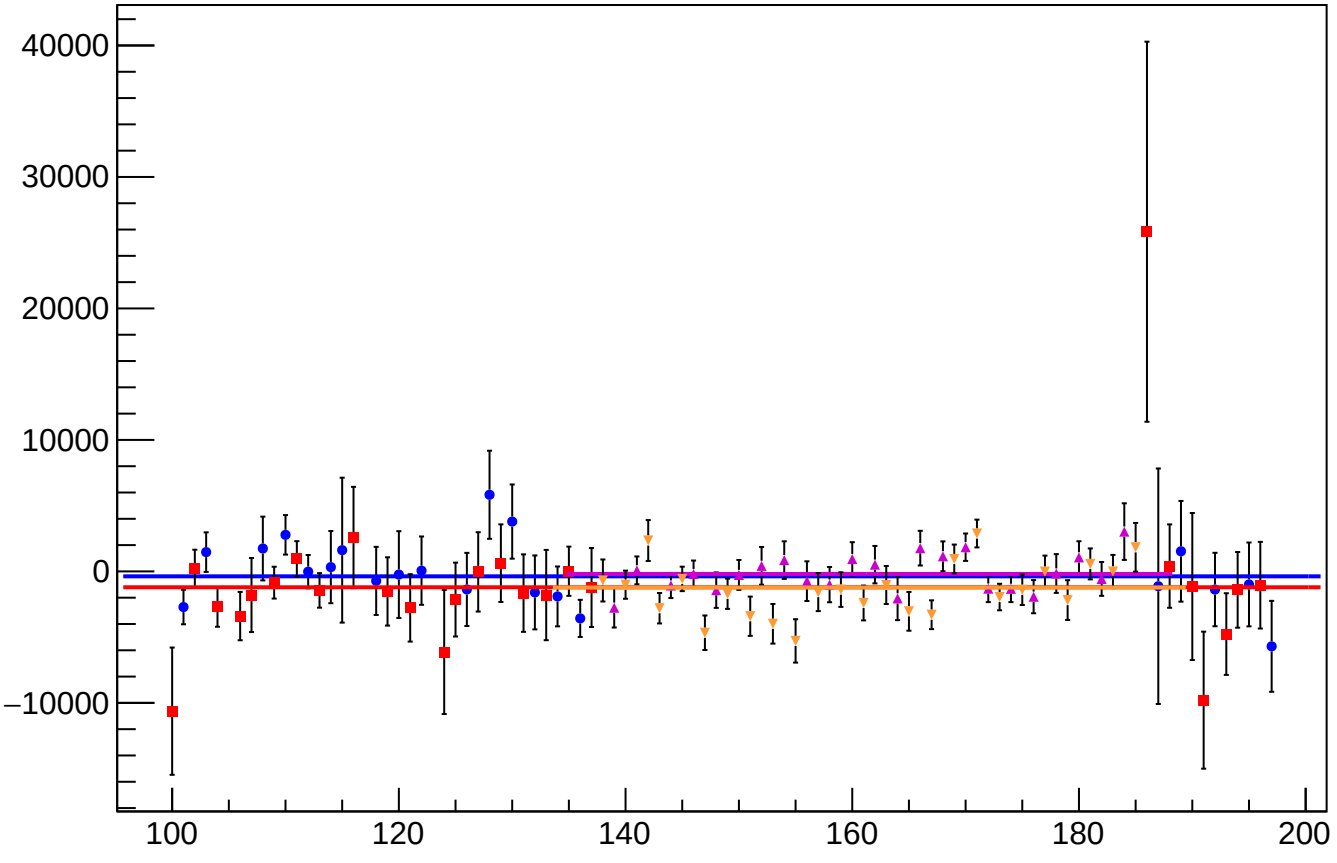
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 144.774+/-0.019 χ^2/NDF: 1972765.0/45

All: 145.070+/-0.014 χ^2/NDF: 4608963.3/94

- sign 145.369+/-0.019 χ^2/NDF: 2635716.4/48

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -375.548+/-478.453 χ^2/NDF: 24.5/20

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1207.775+/-445.108 χ^2/NDF: 21.2/25

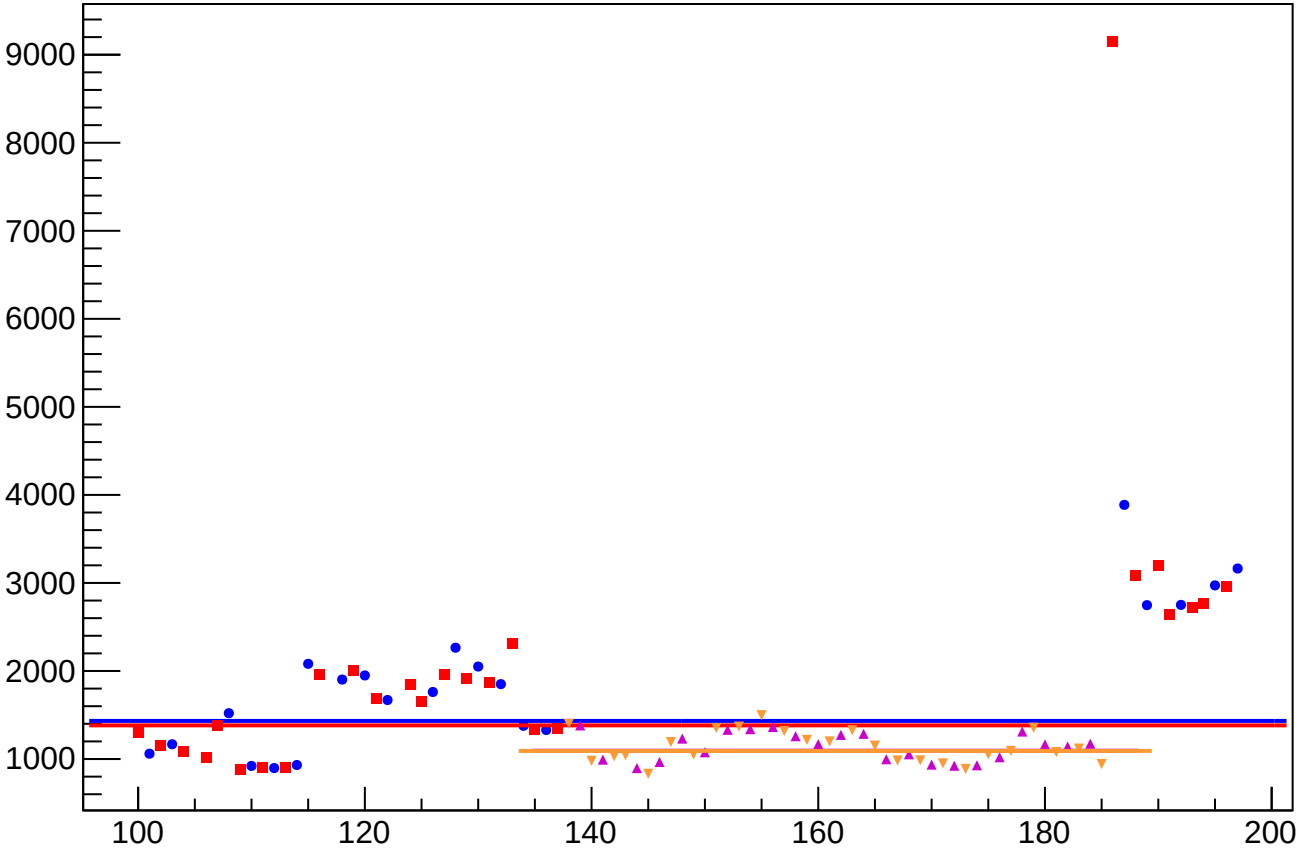
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

\+ sign -1040.832+/-222.803 χ^2/NDF: 86.2/45

All: -746.830+/-157.900 χ^2/NDF: 138.1/94

\- sign -450.166+/-223.809 χ^2/NDF: 48.4/48

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1432.867+/-0.338 χ^2/NDF: 3141687.0/20

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1382.232+/-0.315 χ^2/NDF: 4409510.2/25

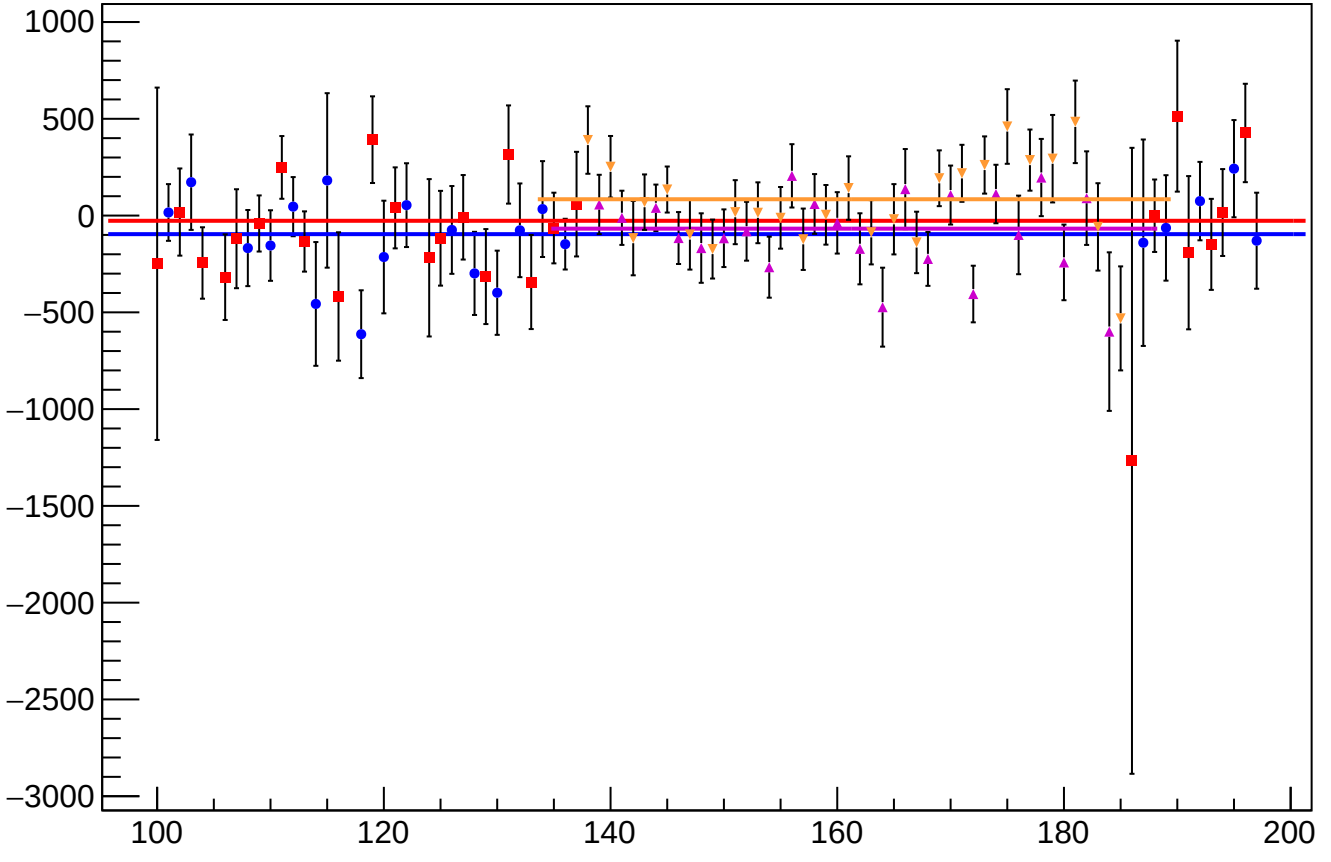
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1165.902+/-0.158 χ^2/NDF: 4829220.9/45

All: 1166.563+/-0.112 χ^2/NDF: 10596282.6/9

- sign 1167.231+/-0.158 χ^2/NDF: 5767026.2/48

cor_asym_sam_48_avg_mean vs Slug



Right In: -96.010+/-46.810 χ^2/NDF: 16.2/20

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -26.985+/-44.875 χ^2/NDF: 23.3/25

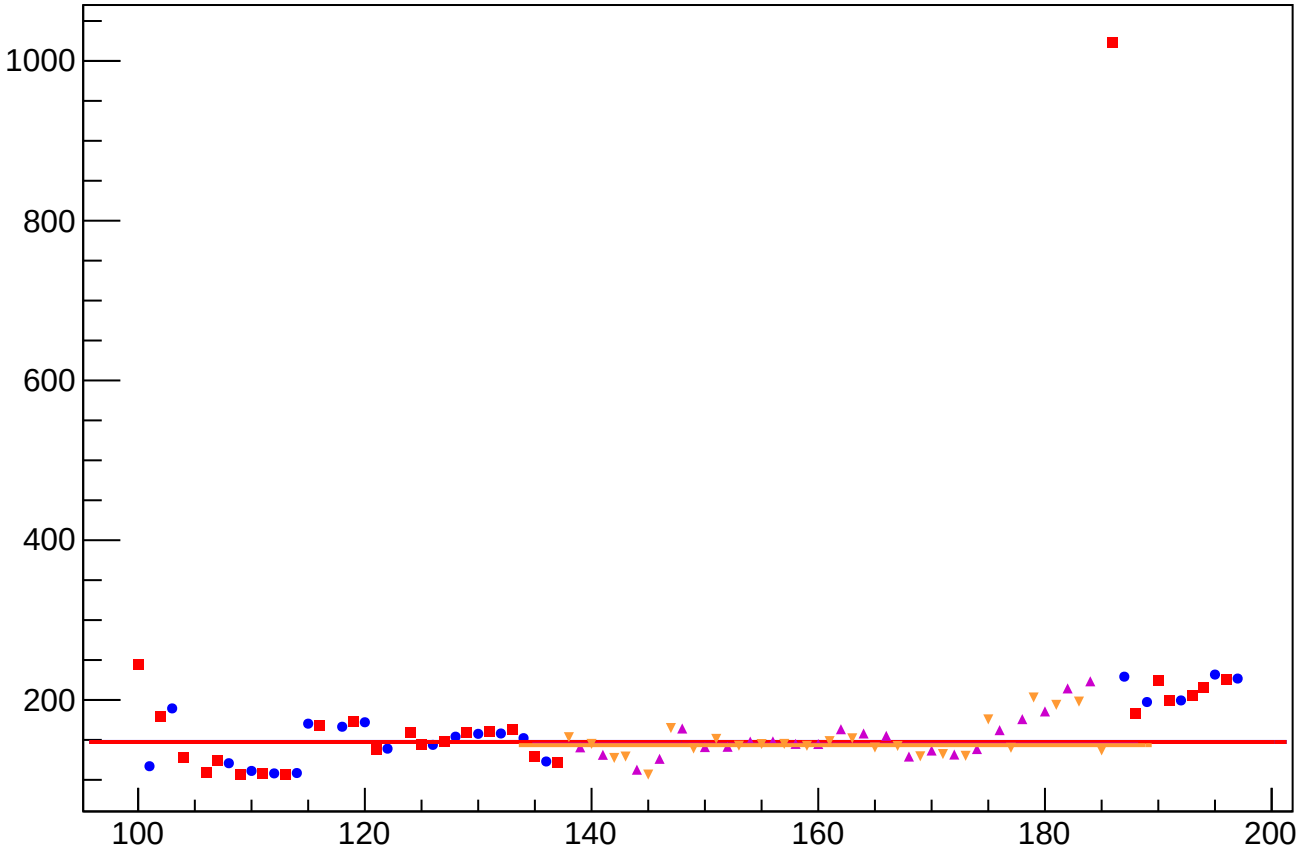
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 24.378+/-26.991 χ^2/NDF: 59.9/45

All: -13.929+/-19.148 χ^2/NDF: 114.3/94

- sign -52.742+/-27.169 χ^2/NDF: 50.4/48

cor_asym_sam_48_avg_rms vs Slug



Right In: 147.447+/-0.033 χ^2/NDF: 1215962.5/20

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 147.385+/-0.032 χ^2/NDF: 1931028.9/25

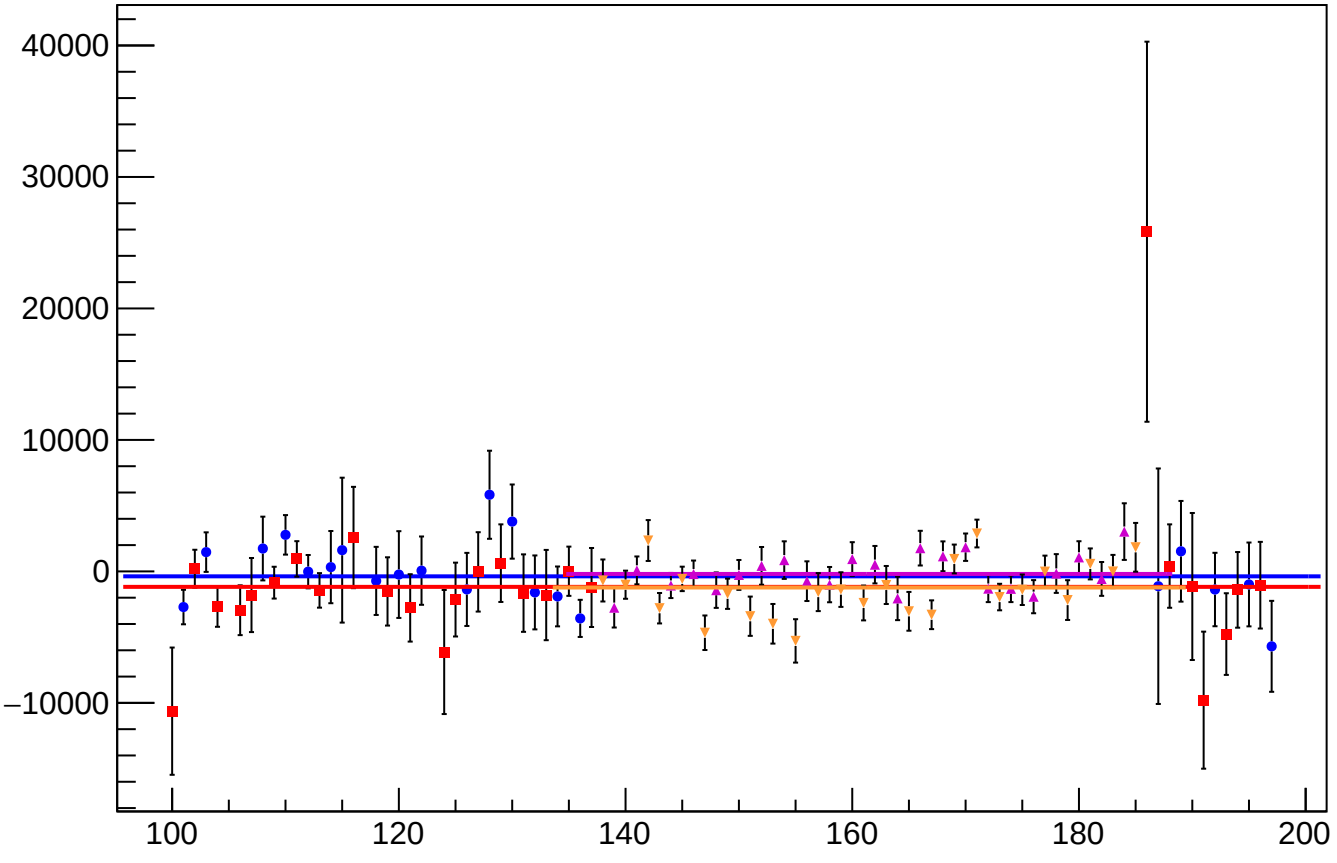
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

\+ sign 144.774+/-0.019 χ^2/NDF: 1972767.8/45

All: 145.060+/-0.014 χ^2/NDF: 4613460.7/94

\- sign 145.349+/-0.019 χ^2/NDF: 2640243.2/48

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -375.614+/-478.457 χ^2/NDF: 24.5/20

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1176.201+/-445.900 χ^2/NDF: 20.7/25

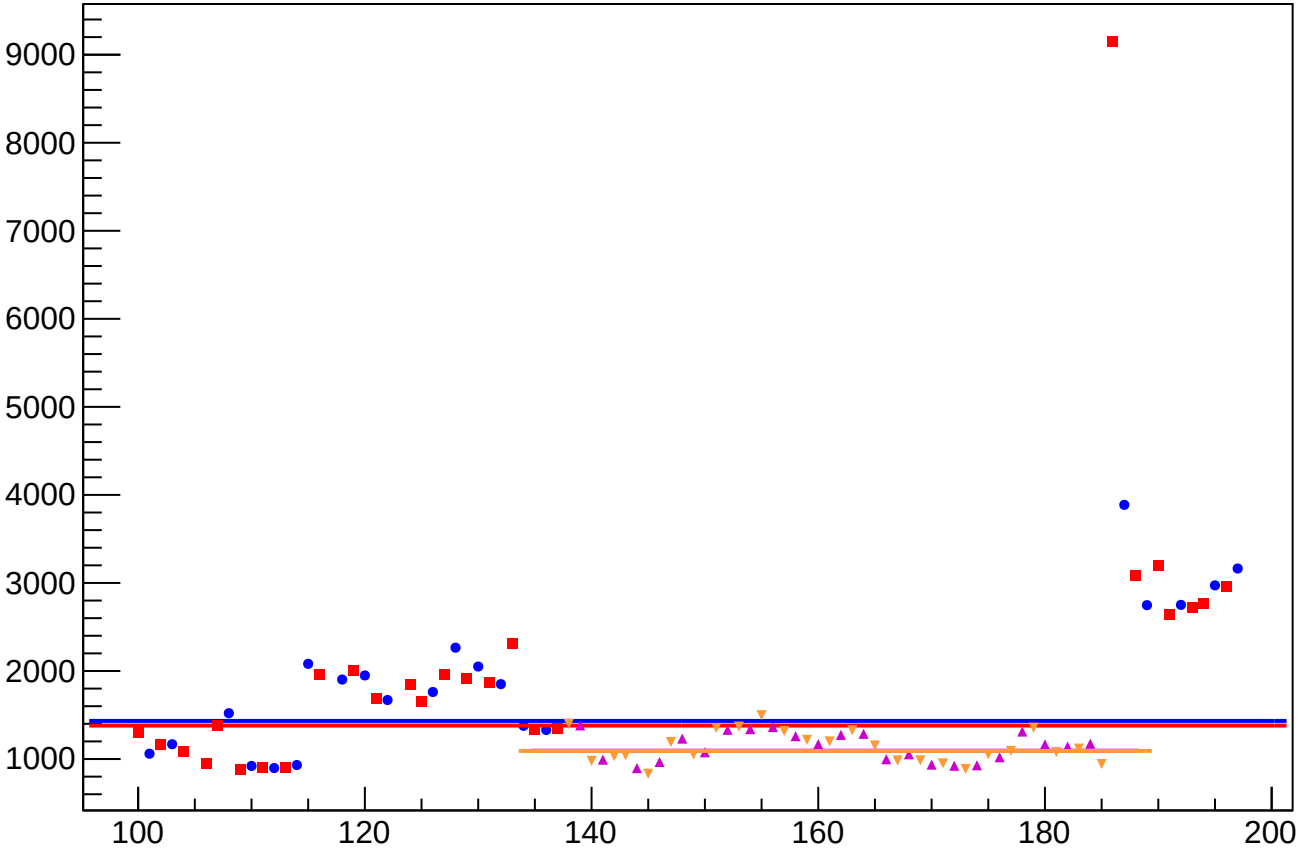
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

\+ sign -1040.836+/-222.803 χ^2/NDF: 86.2/45

All: -742.665+/-157.936 χ^2/NDF: 137.4/94

\- sign -441.526+/-223.910 χ^2/NDF: 47.6/48

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1432.882+/-0.338 χ^2/NDF: 3141626.9/20

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1380.154+/-0.315 χ^2/NDF: 4431873.2/25

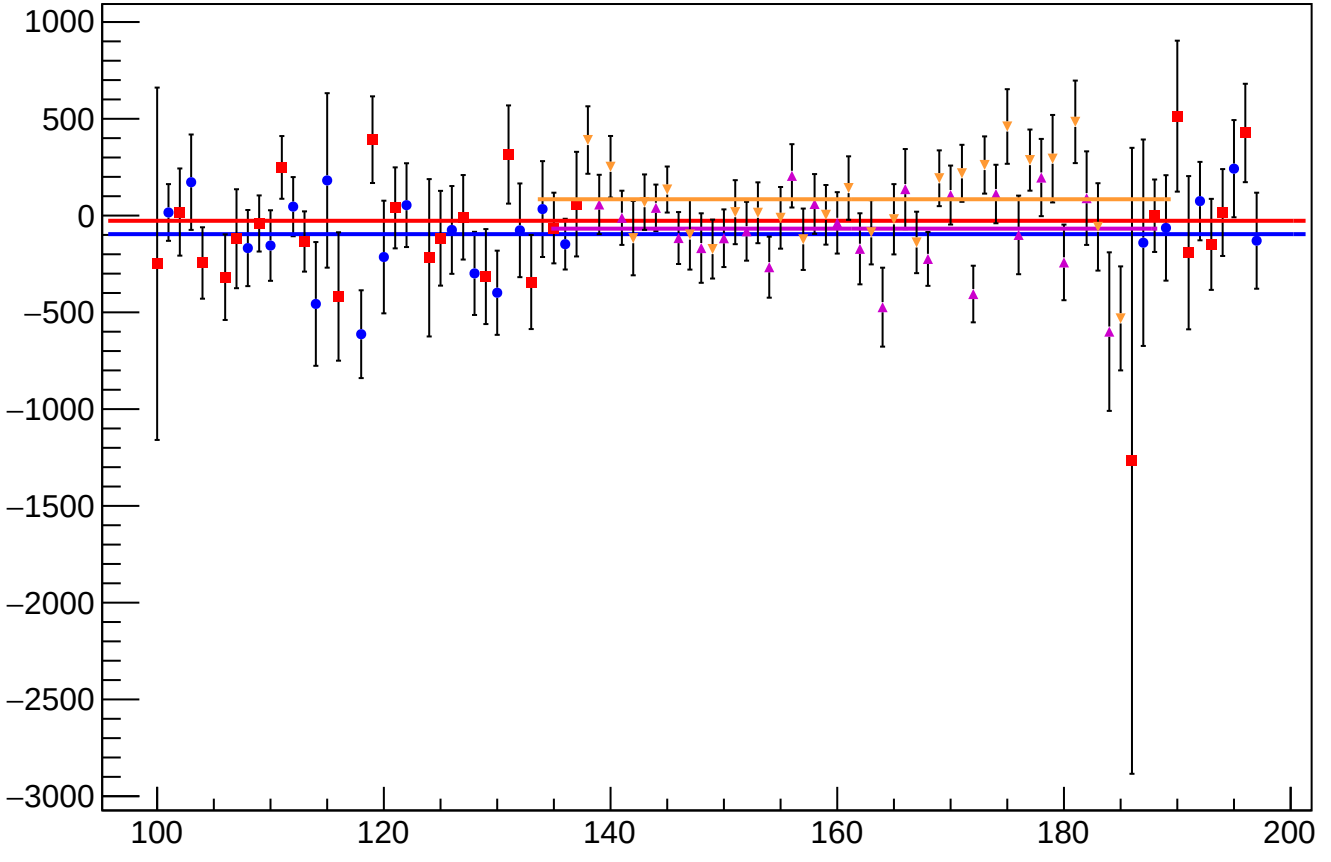
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1165.904+/-0.158 χ^2/NDF: 4829219.6/45

All: 1166.207+/-0.112 χ^2/NDF: 10607992.7/9

- sign 1166.514+/-0.158 χ^2/NDF: 5778765.7/48

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -96.010+/-46.810 χ^2/NDF: 16.2/20

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -26.985+/-44.875 χ^2/NDF: 23.3/25

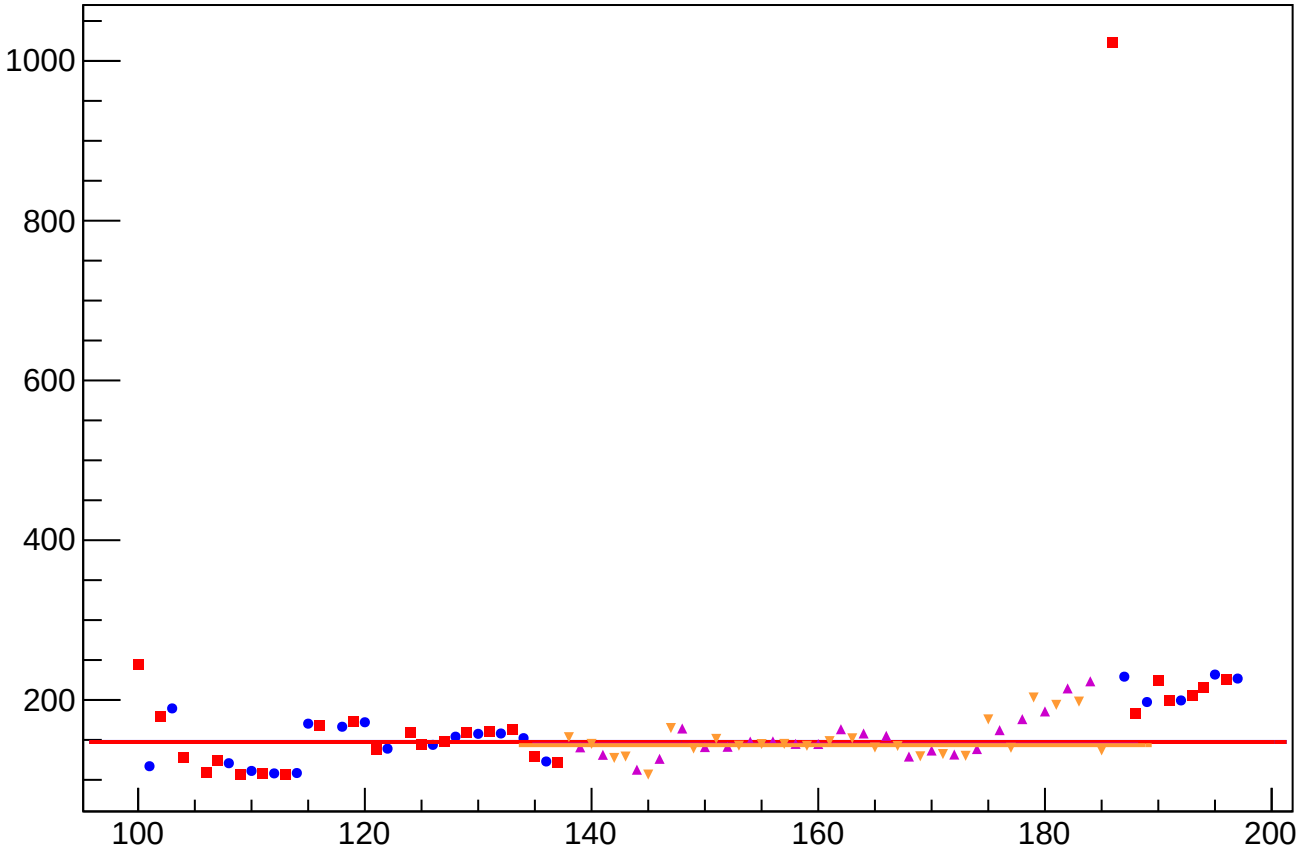
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 24.378+/-26.991 χ^2/NDF: 59.9/45

All: -13.929+/-19.148 χ^2/NDF: 114.3/94

- sign -52.742+/-27.169 χ^2/NDF: 50.4/48

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 147.447+/-0.033 χ^2/NDF: 1215962.5/20

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

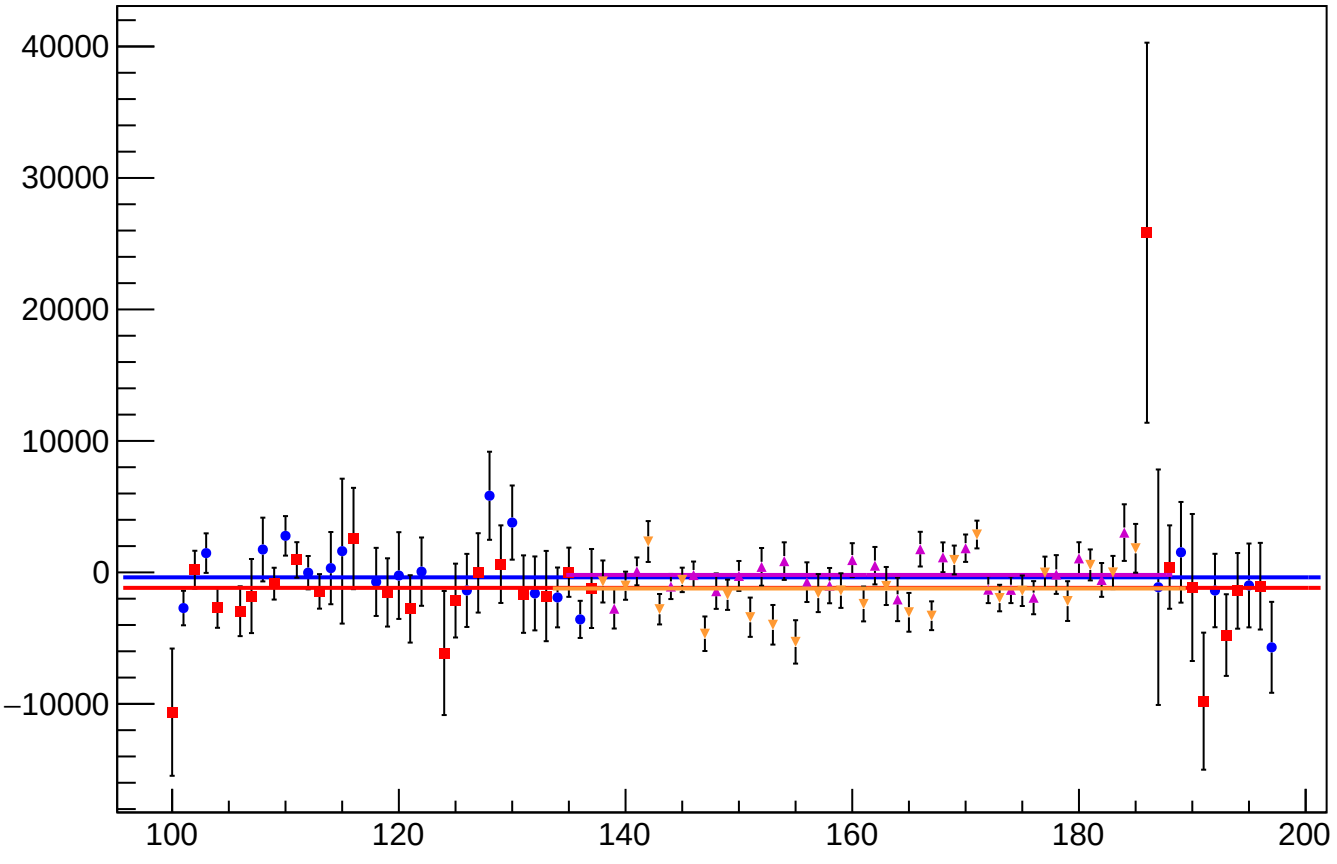
Right Out: 147.385+/-0.032 χ^2/NDF: 1931028.9/25

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 144.774+/-0.019 χ^2/NDF: 1972767.8/45

All: 145.060+/-0.014 χ^2/NDF: 4613460.7/94

- sign 145.349+/-0.019 χ^2/NDF: 2640243.2/48



Right In: -375.614+/-478.457 χ^2/NDF: 24.5/20

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1176.201+/-445.900 χ^2/NDF: 20.7/25

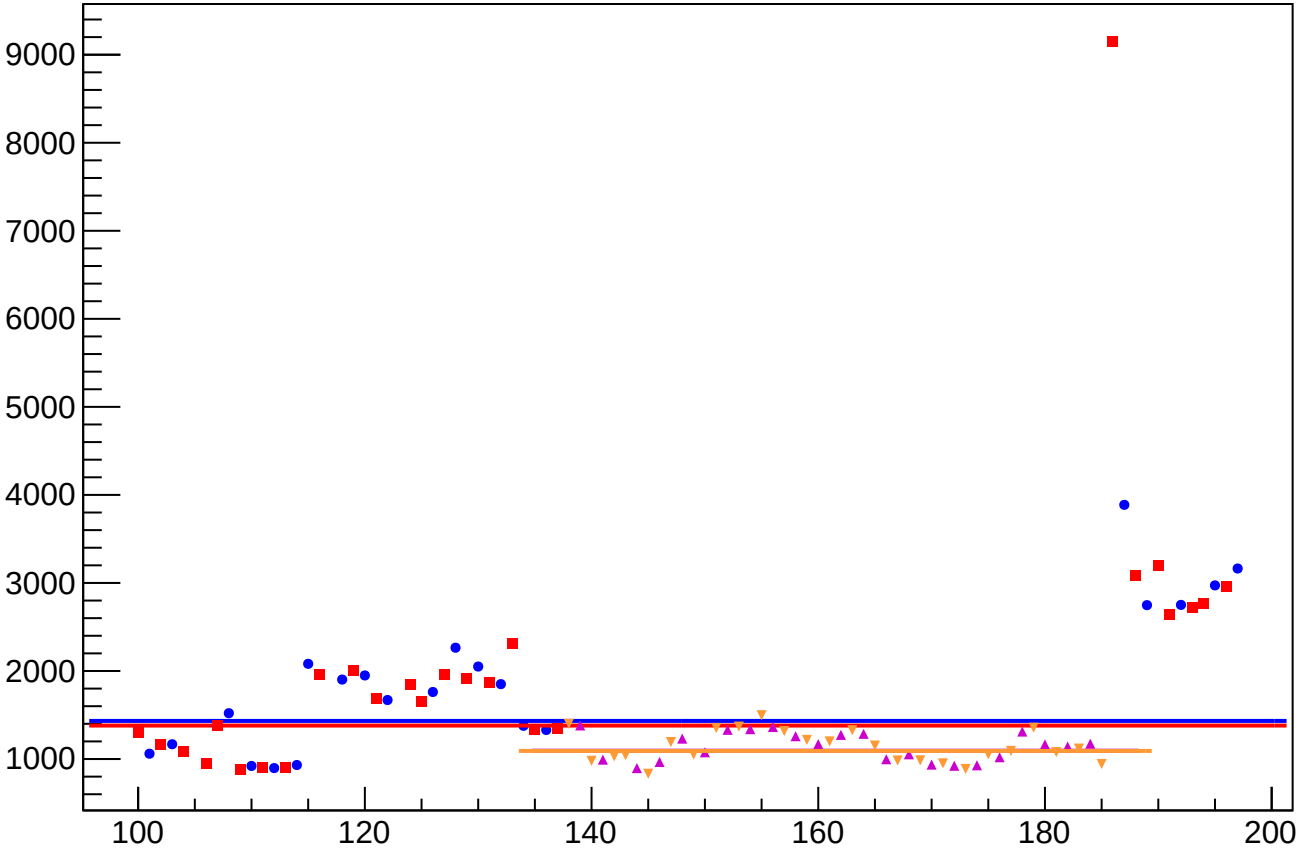
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

\+ sign -1040.836+/-222.803 χ^2/NDF: 86.2/45

All: -742.665+/-157.936 χ^2/NDF: 137.4/94

\- sign -441.526+/-223.910 χ^2/NDF: 47.6/48

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



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Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1380.154+/-0.315 χ^2/NDF: 4431873.2/25

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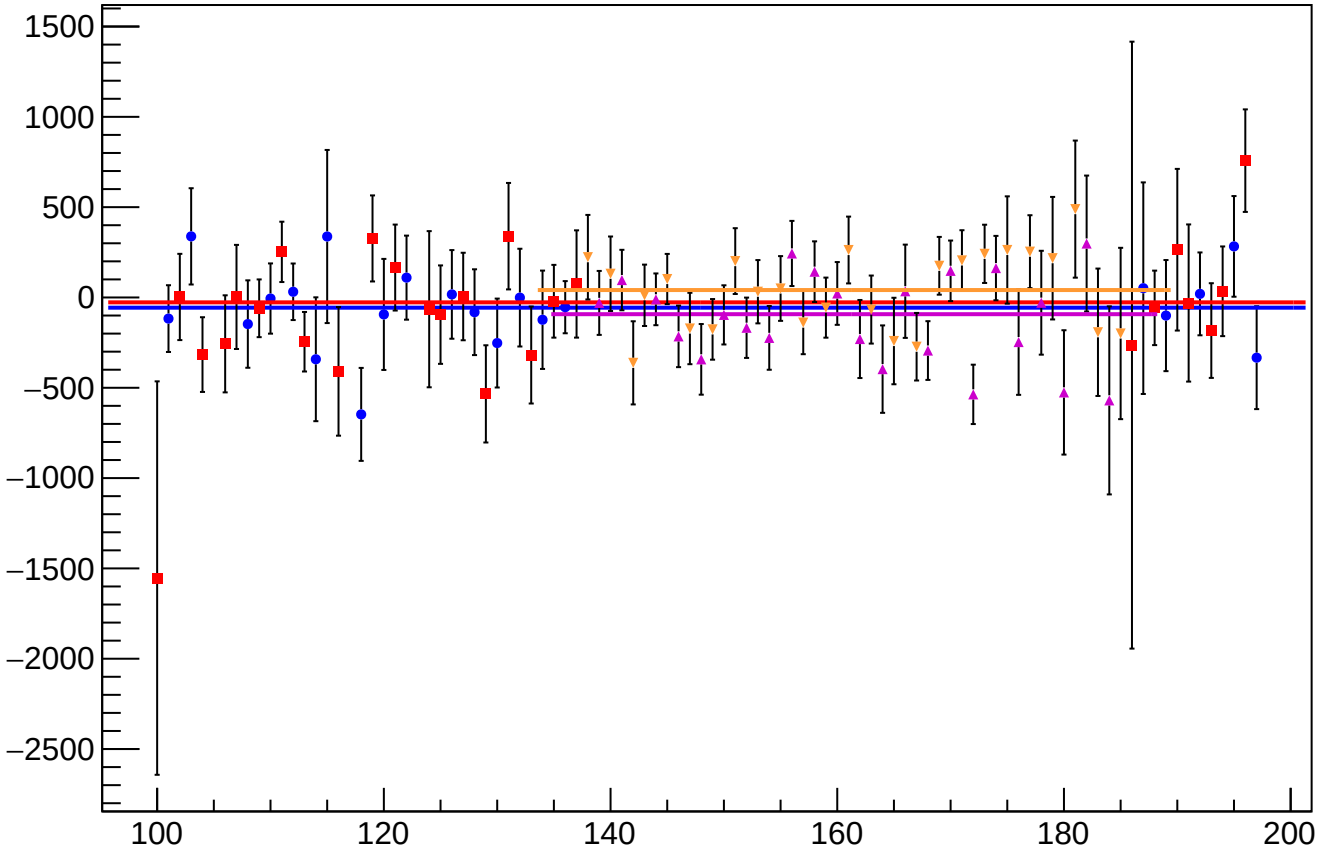
+ sign 1165.904+/-0.158 χ^2/NDF: 4829219.6/45

All: 1166.207+/-0.112 χ^2/NDF: 10607992.7/9

- sign 1166.514+/-0.158 χ^2/NDF: 5778765.7/48

dit_asym_sam_48_avg_mean vs Slug



Right In: -56.509+/-52.100 χ^2/NDF: 13.4/20

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -27.057+/-49.324 χ^2/NDF: 28.3/25

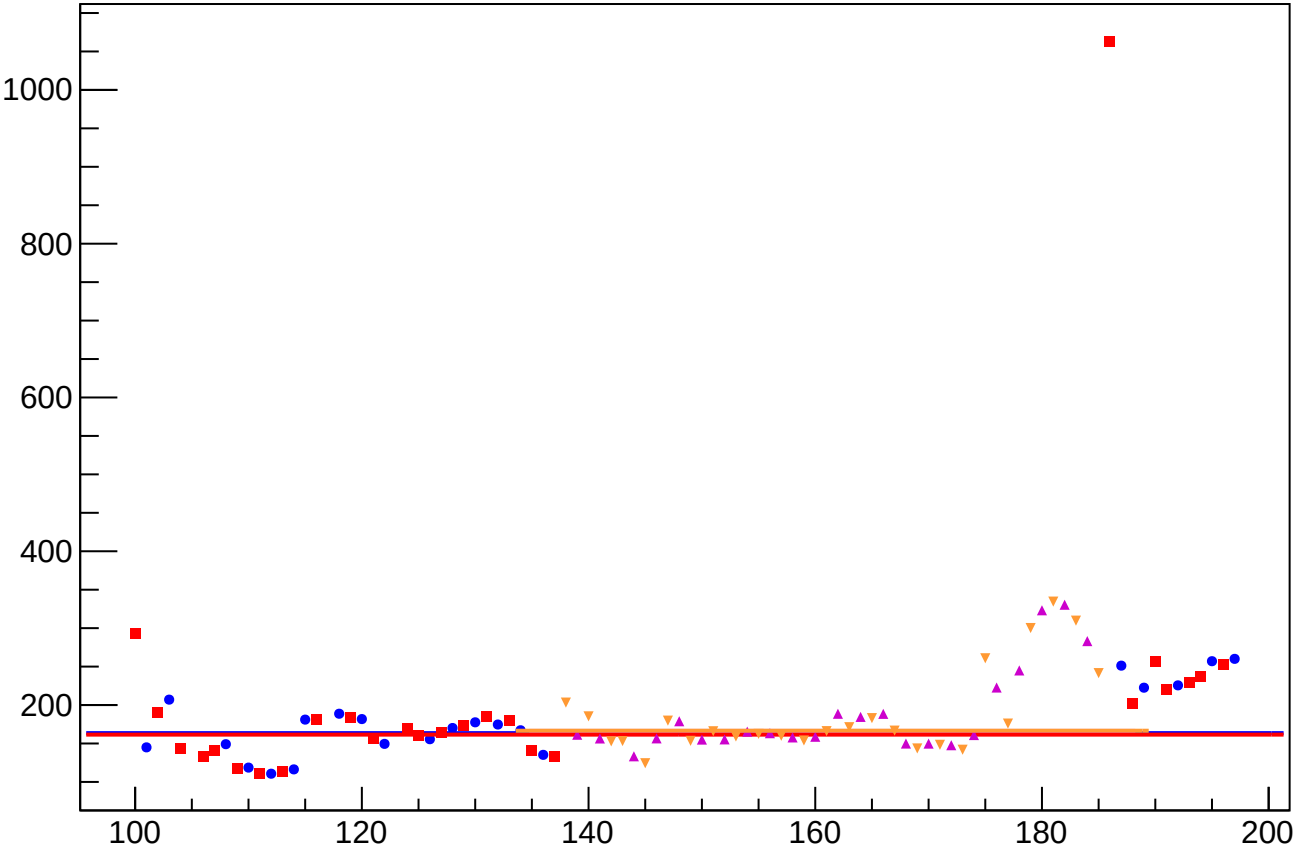
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 5.835+/-31.312 χ^2/NDF: 38.0/45

All: -30.496+/-22.082 χ^2/NDF: 99.5/94

- sign -66.441+/-31.145 χ^2/NDF: 58.8/48

dit_asym_sam_48_avg_rms vs Slug



Right In: 163.478+/-0.037 χ^2/NDF: 1299950.9/20

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 161.528+/-0.035 χ^2/NDF: 2000325.4/25

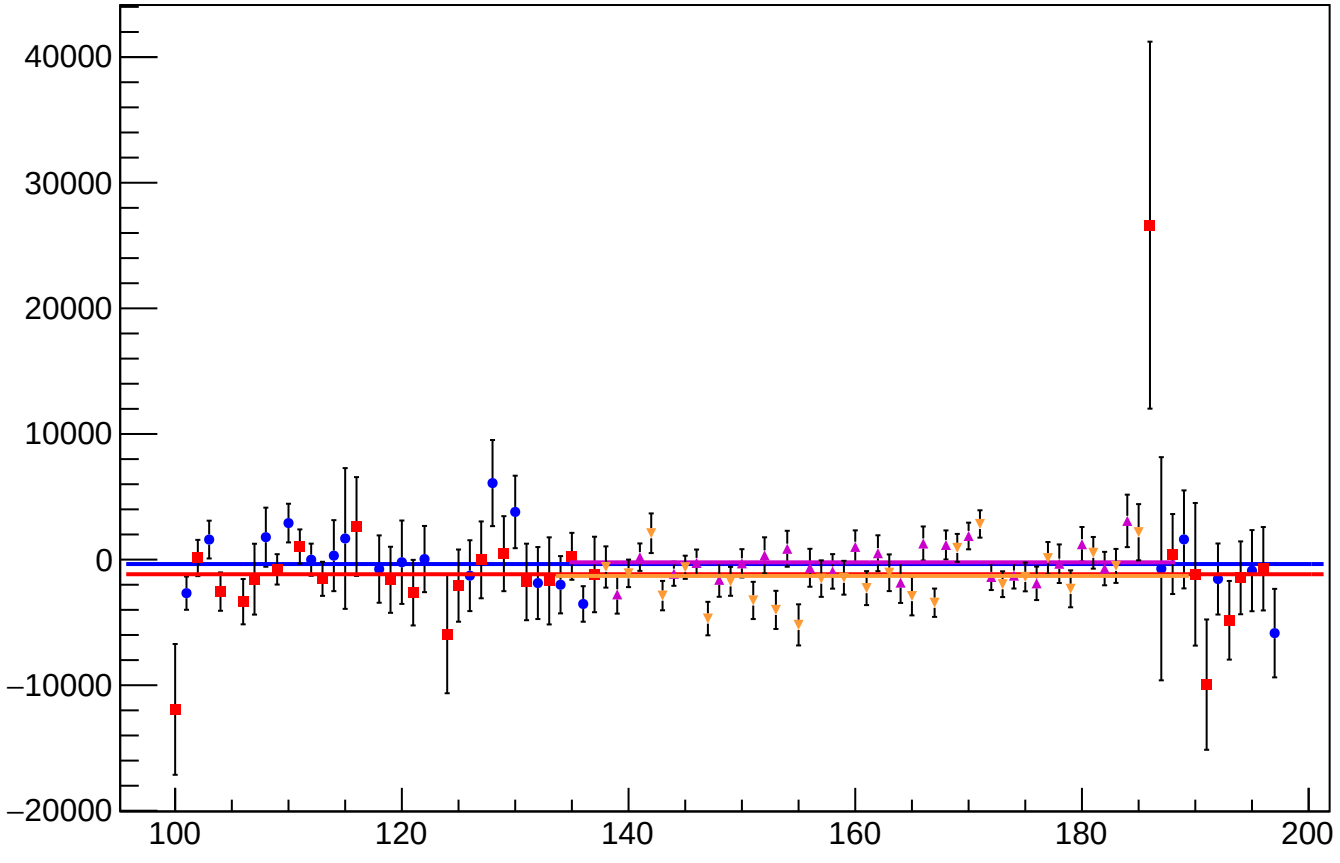
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 165.472+/-0.022 χ^2/NDF: 3024368.9/45

All: 164.934+/-0.016 χ^2/NDF: 6429629.8/94

- sign 164.402+/-0.022 χ^2/NDF: 3404088.1/48

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -354.014+/-483.233 χ^2/NDF: 24.8/20

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1165.100+/-449.181 χ^2/NDF: 21.8/25

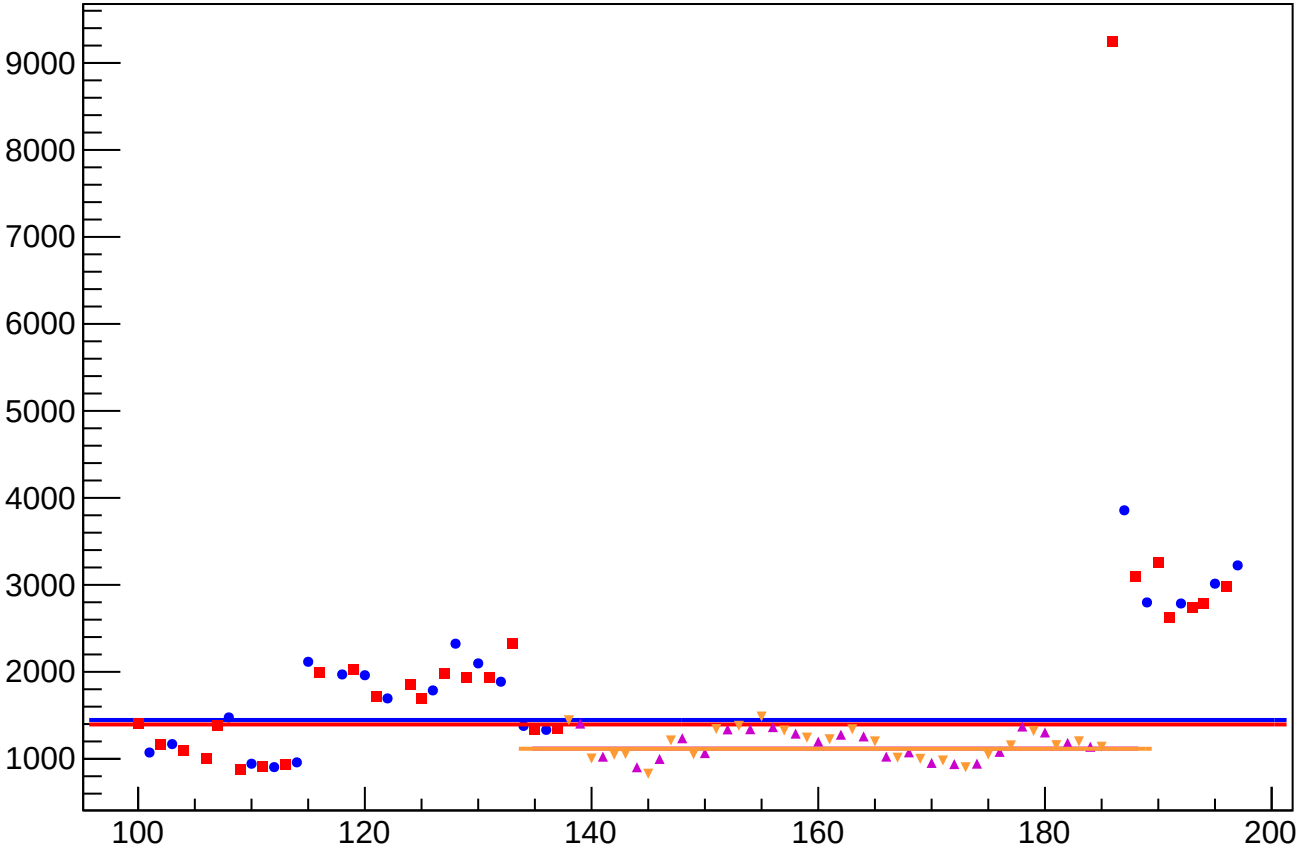
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1090.174+/-226.879 χ^2/NDF: 82.9/45

All: -777.010+/-160.769 χ^2/NDF: 134.1/94

- sign -461.164+/-227.849 χ^2/NDF: 47.3/48

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1446.930+/-0.342 χ^2/NDF: 3169420.8/20

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1395.447+/-0.318 χ^2/NDF: 4421964.8/25

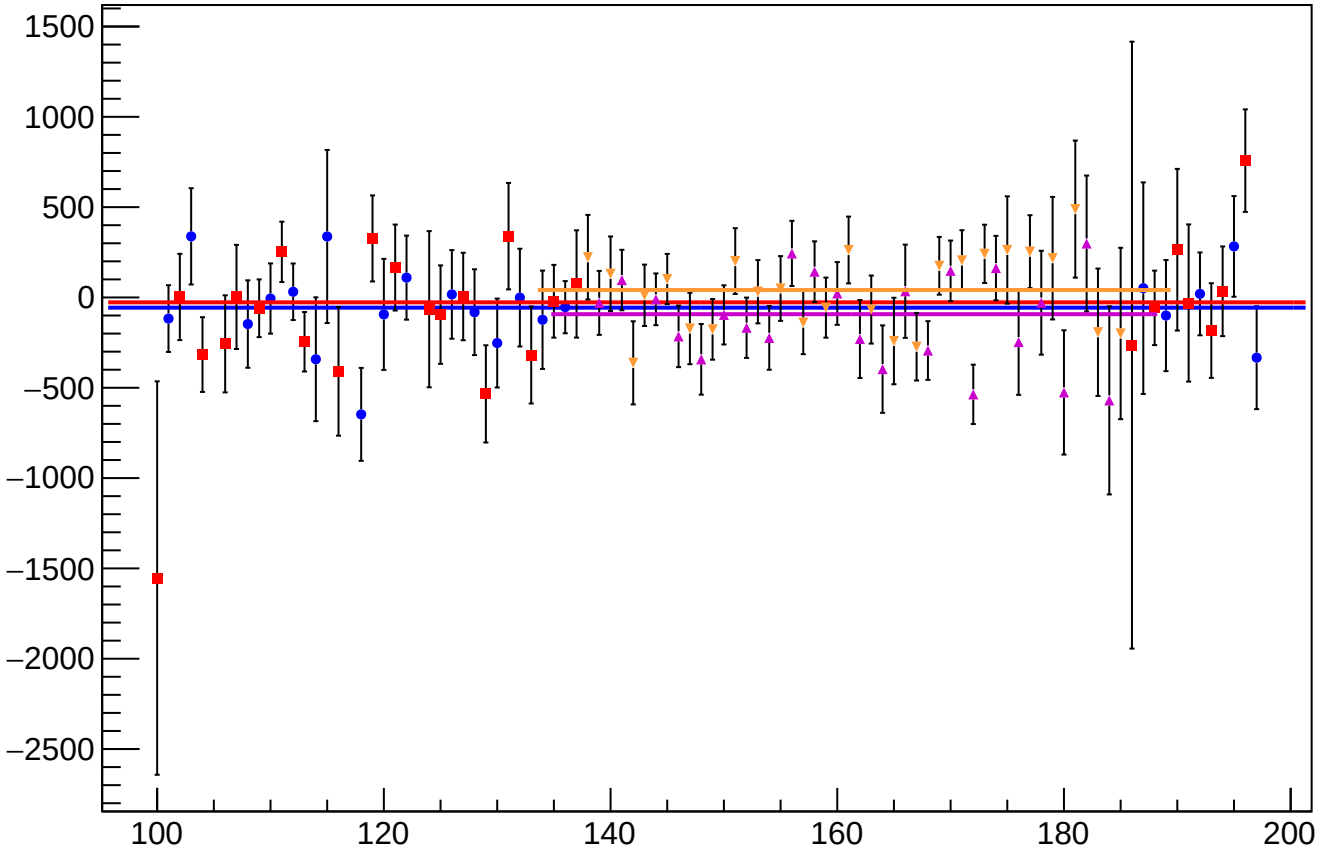
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1188.974+/-0.160 χ^2/NDF: 4767973.6/45

All: 1189.118+/-0.114 χ^2/NDF: 10486723.8/9

- sign 1189.264+/-0.161 χ^2/NDF: 5718748.6/48

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -56.506+/-52.100 χ^2/NDF: 13.4/20

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -27.057+/-49.324 χ^2/NDF: 28.3/25

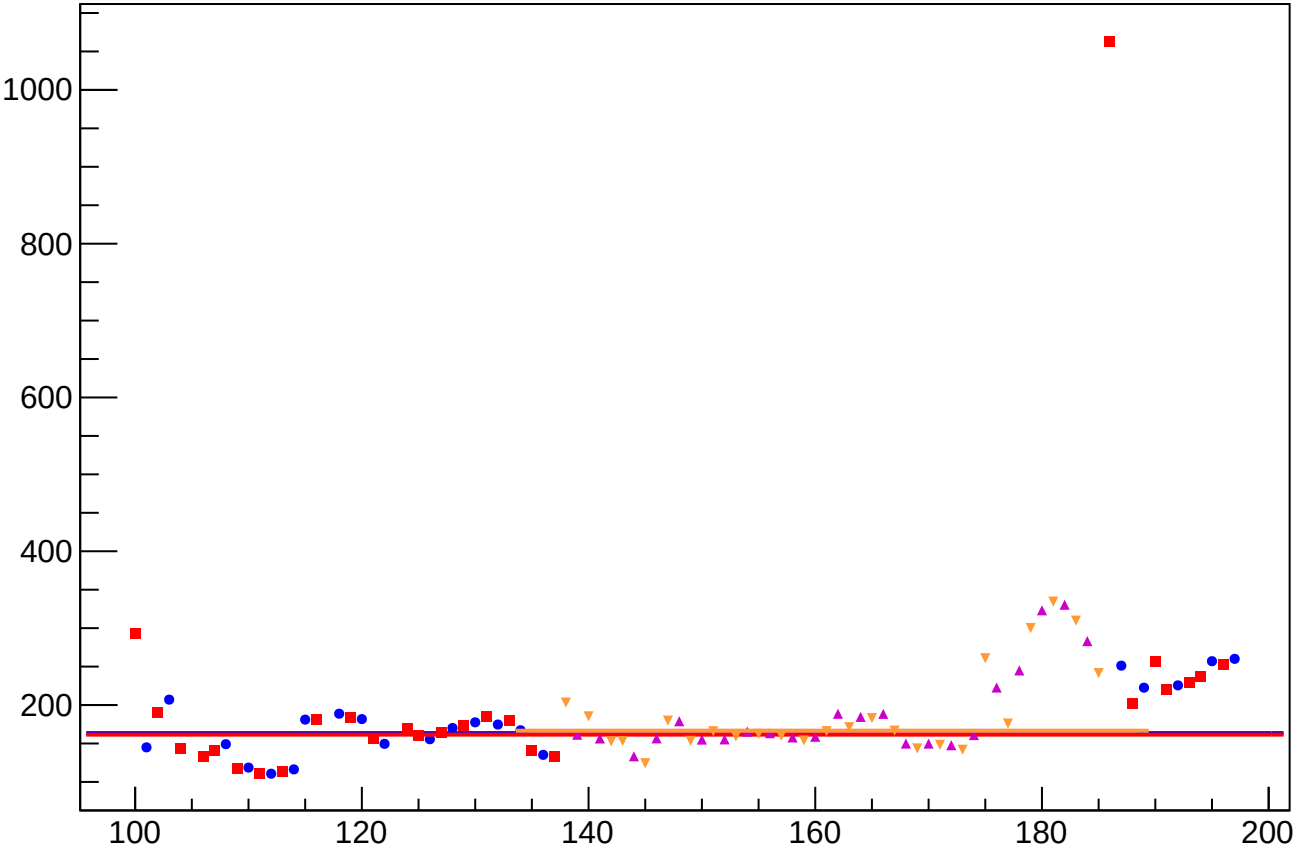
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 5.837+/-31.312 χ^2/NDF: 38.0/45

All: -30.495+/-22.082 χ^2/NDF: 99.5/94

- sign -66.440+/-31.145 χ^2/NDF: 58.8/48

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 163.478+/-0.037 χ^2/NDF: 1299946.1/20

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

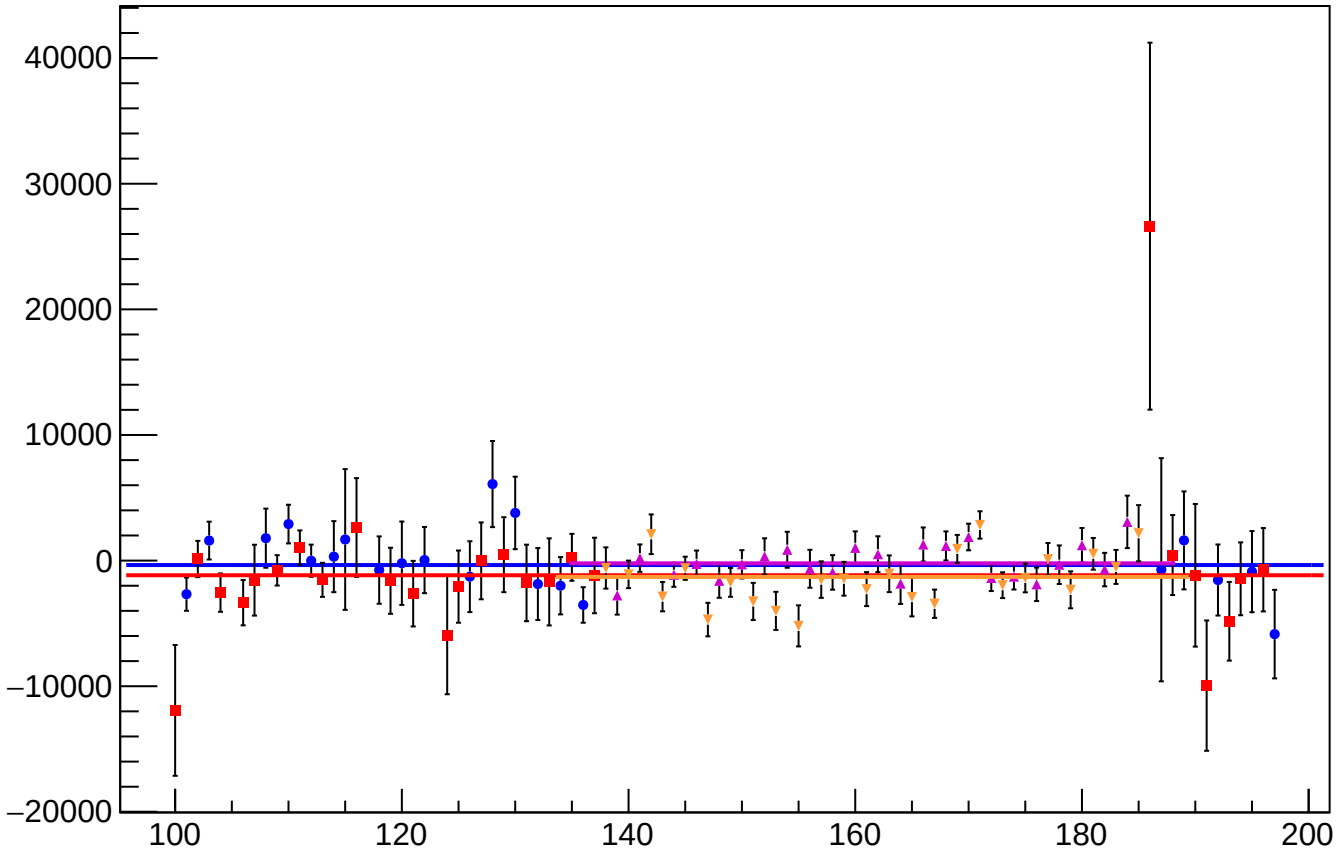
Right Out: 161.528+/-0.035 χ^2/NDF: 2000326.0/25

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 165.472+/-0.022 χ^2/NDF: 3024358.8/45

All: 164.934+/-0.016 χ^2/NDF: 6429601.6/94

- sign 164.402+/-0.022 χ^2/NDF: 3404069.9/48



Right In: -354.013+/-483.232 χ^2/NDF: 24.8/20

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1165.099+/-449.180 χ^2/NDF: 21.8/25

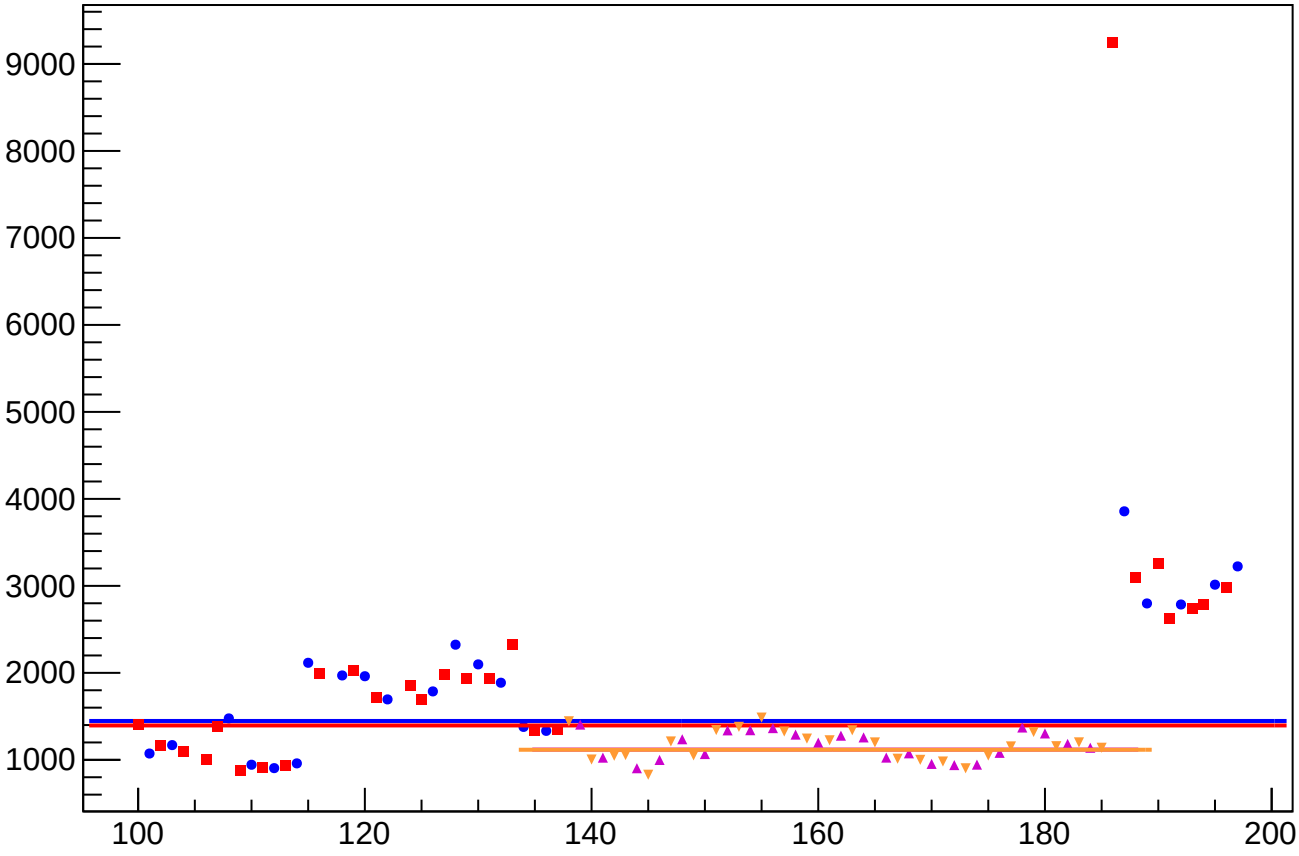
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1090.172+/-226.879 χ^2/NDF: 82.9/45

All: -777.008+/-160.769 χ^2/NDF: 134.1/94

- sign -461.162+/-227.848 χ^2/NDF: 47.3/48

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1446.928+/-0.342 χ^2/NDF: 3169424.3/20

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1395.446+/-0.318 χ^2/NDF: 4421964.0/25

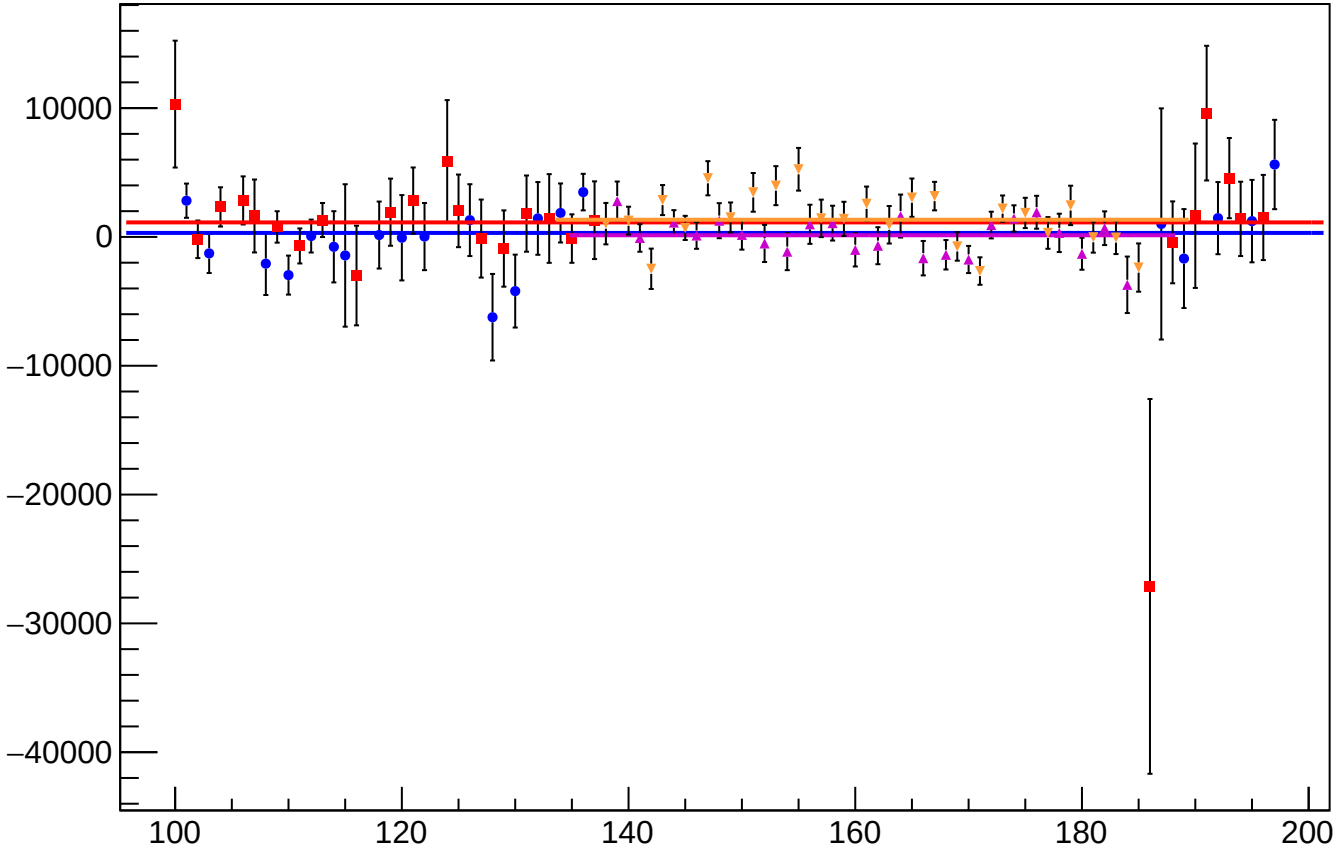
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1188.972+/-0.160 χ^2/NDF: 4767982.5/45

All: 1189.116+/-0.114 χ^2/NDF: 10486734.0/9

- sign 1189.262+/-0.161 χ^2/NDF: 5718749.8/48

asym_sam_48_avg_mean vs Slug



Right In: 311.661+/-481.807 χ^2/NDF: 25.5/20

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1126.826+/-448.327 χ^2/NDF: 19.5/25

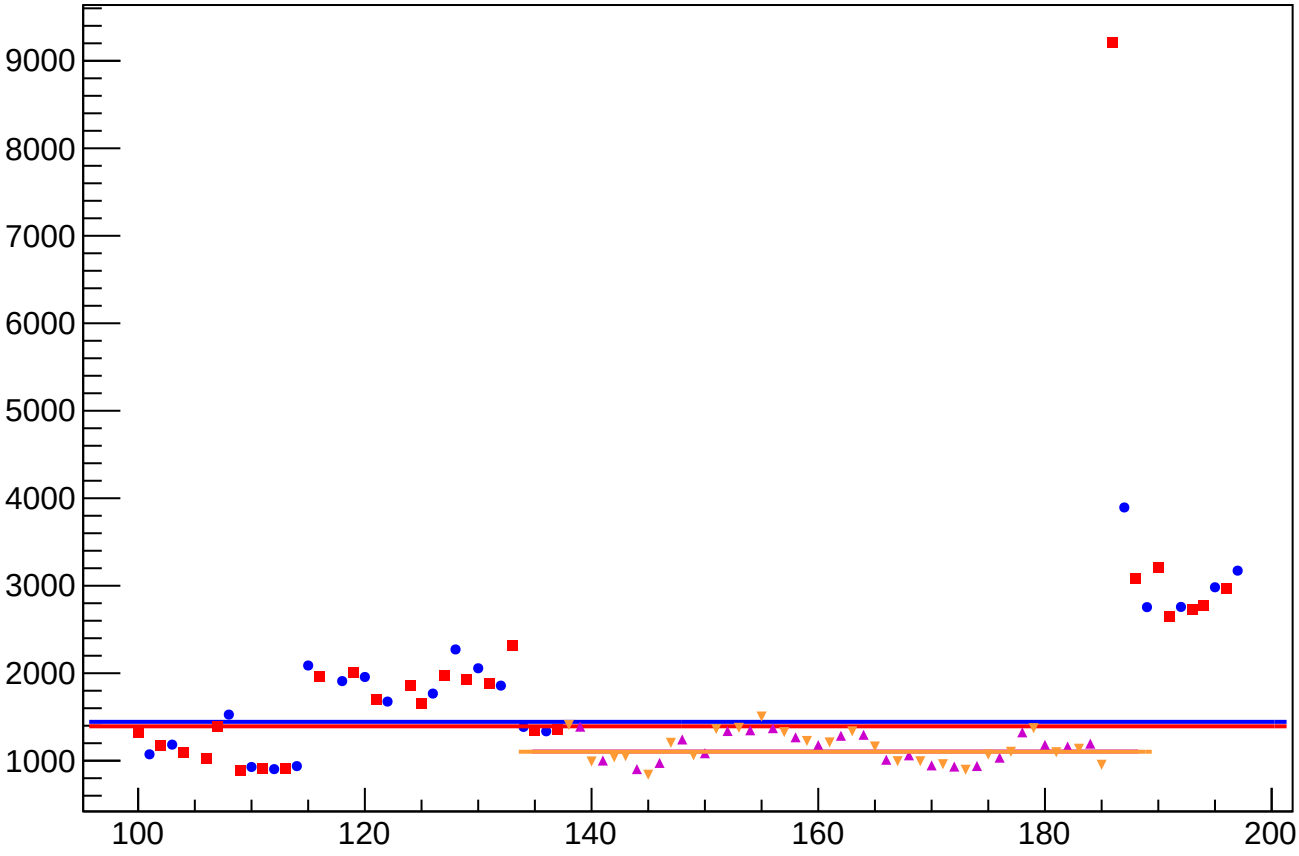
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1111.957+/-224.818 χ^2/NDF: 84.7/45

All: 748.469+/-159.327 χ^2/NDF: 137.2/94

- sign 381.705+/-225.829 χ^2/NDF: 47.2/48

asym_sam_48_avg_rms vs Slug



Right In: 1444.237+/-0.341 χ^2/NDF: 3108366.2/20

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

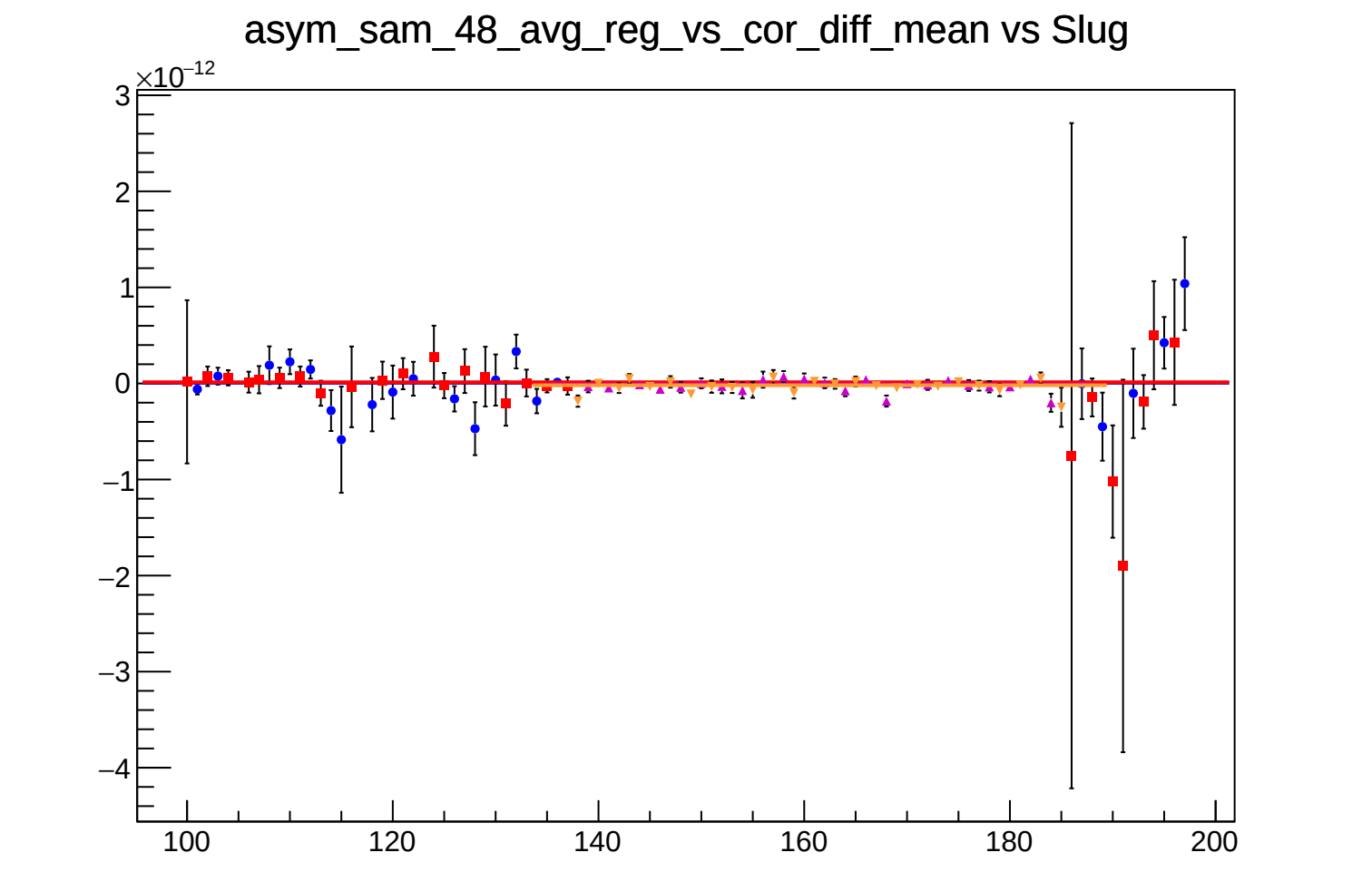
Right Out: 1393.194+/-0.317 χ^2/NDF: 4374077.3/25

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1177.063+/-0.159 χ^2/NDF: 4775001.1/45

All: 1177.665+/-0.113 χ^2/NDF: 10488302.1/9

- sign 1178.272+/-0.160 χ^2/NDF: 5713272.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

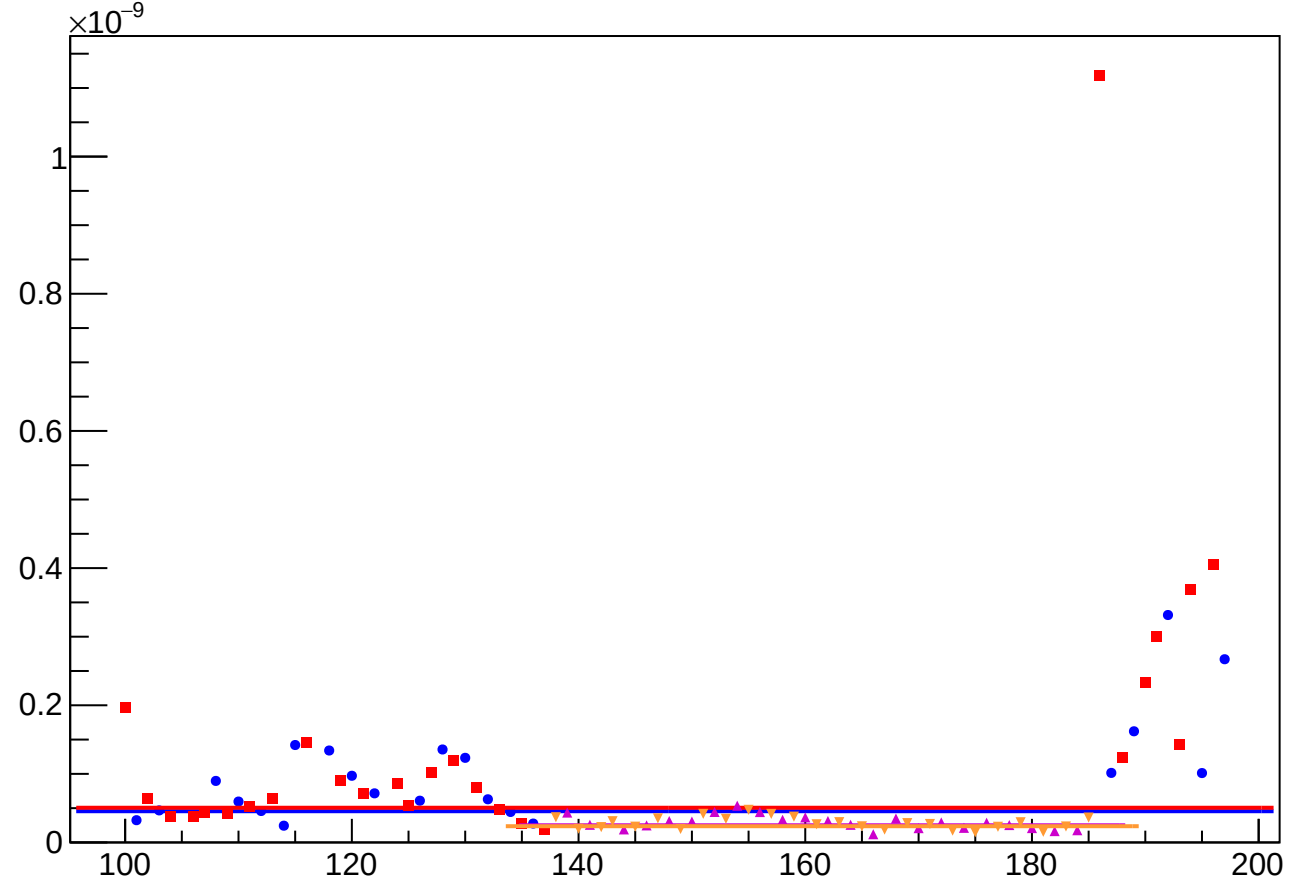
Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/25

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.2/45

All: -0.000+/-0.000 χ^2/NDF: 97.5/94

- sign -0.000+/-0.000 χ^2/NDF: 39.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 2894275.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

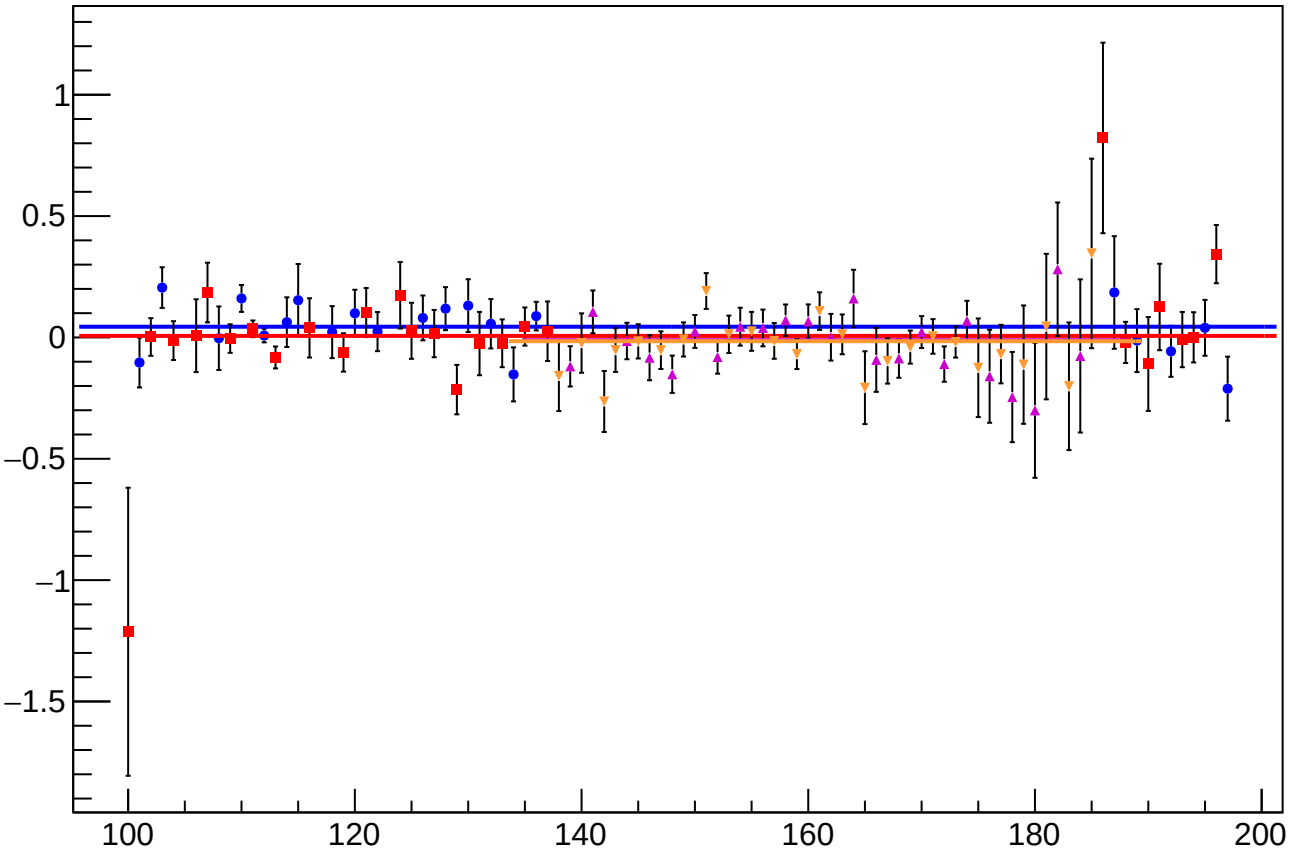
Right Out: 0.000+/-0.000 χ^2/NDF: 3305071.7/25

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5547497.6/45

All: 0.000+/-0.000 χ^2/NDF: 11886448.1/94

- sign 0.000+/-0.000 χ^2/NDF: 6295151.9/48



Right In: 0.044+/-0.017 χ^2/NDF: 23.4/20

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 32.6/25

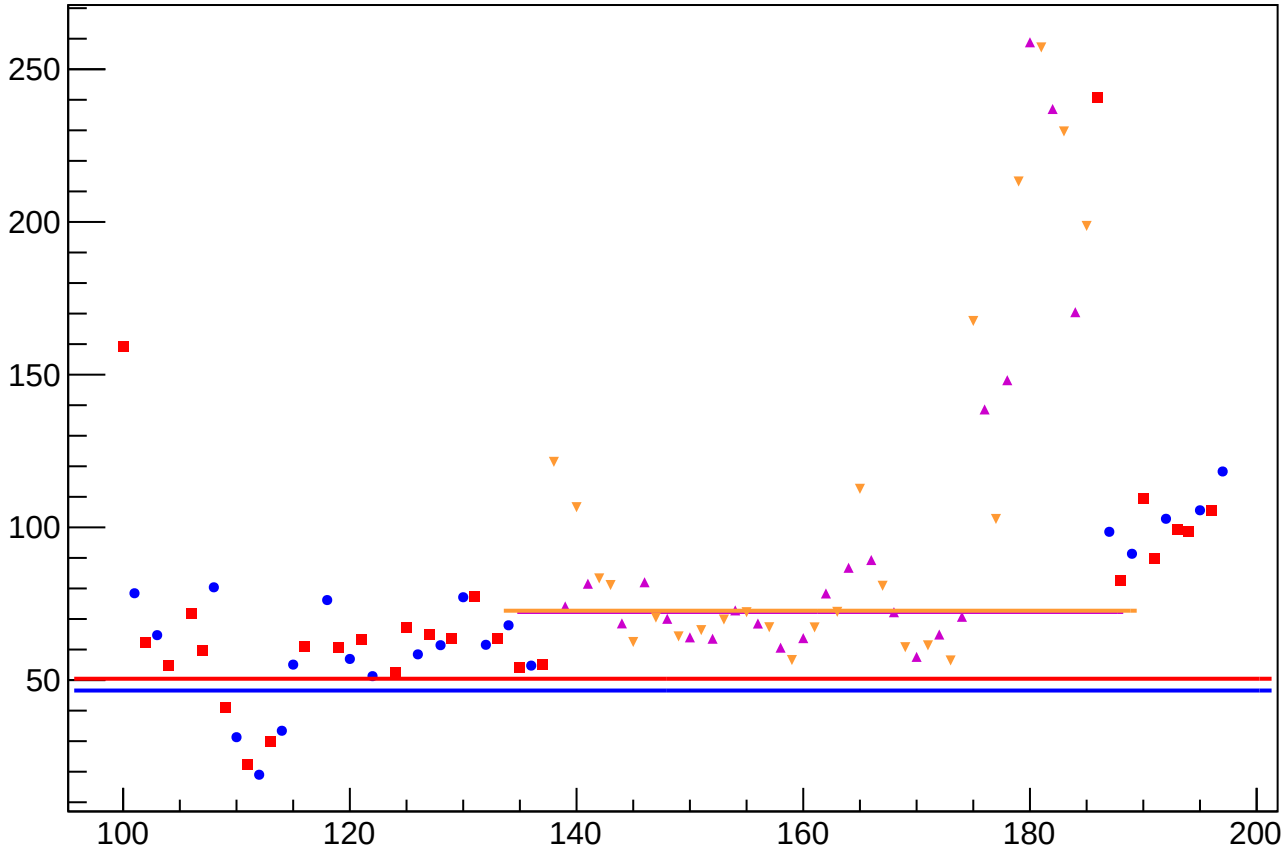
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.016+/-0.012 χ^2/NDF: 50.9/45

All: 0.007+/-0.009 χ^2/NDF: 108.3/94

- sign -0.002+/-0.012 χ^2/NDF: 56.4/48

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 46.580+/-0.012 χ^2/NDF: 5141395.6/20

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

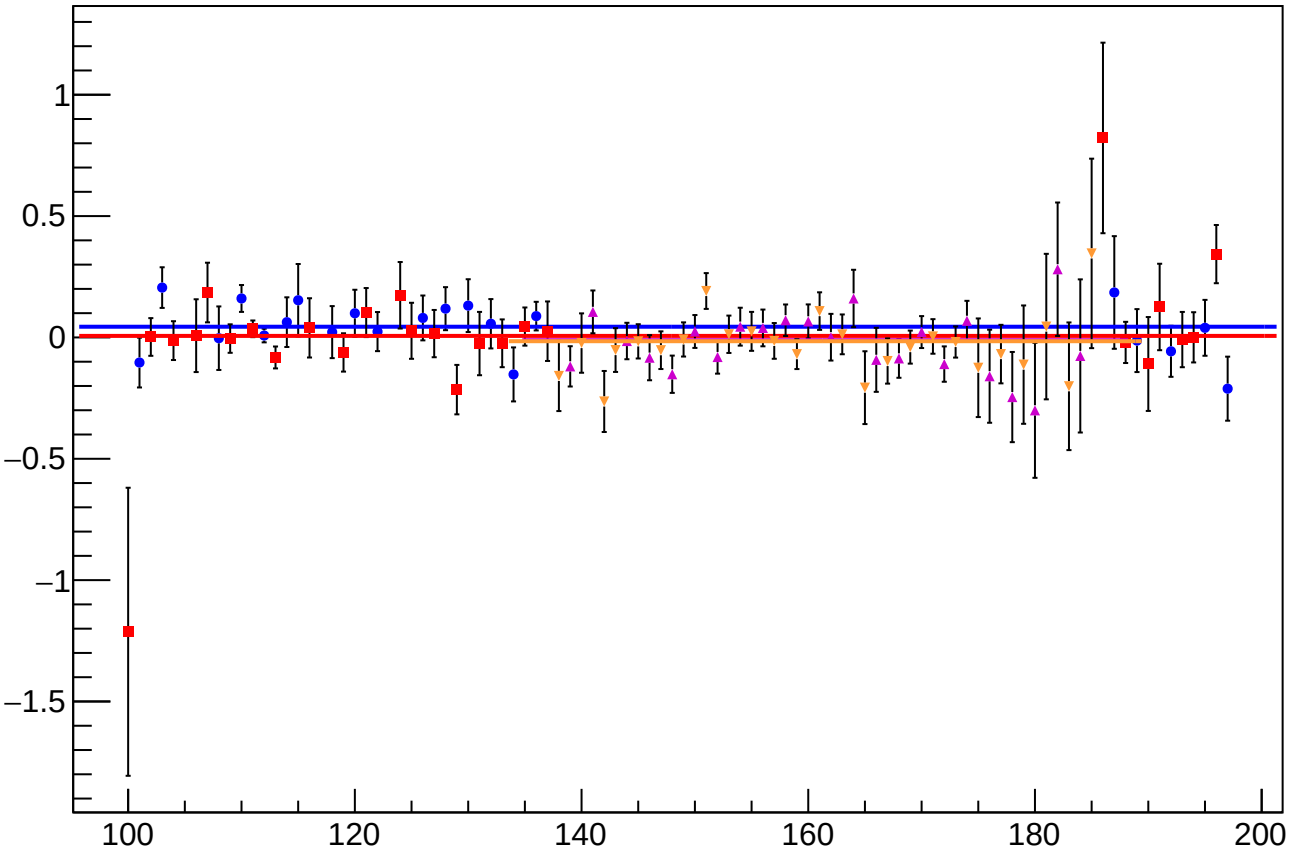
Right Out: 50.439+/-0.012 χ^2/NDF: 4586905.9/25

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 58.916+/-0.009 χ^2/NDF: 11338393.5/45

All: 59.680+/-0.006 χ^2/NDF: 20285803.6/94

- sign 60.445+/-0.009 χ^2/NDF: 8932070.2/48



Right In: 0.044+/-0.017 χ^2/NDF: 23.4/20

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 32.6/25

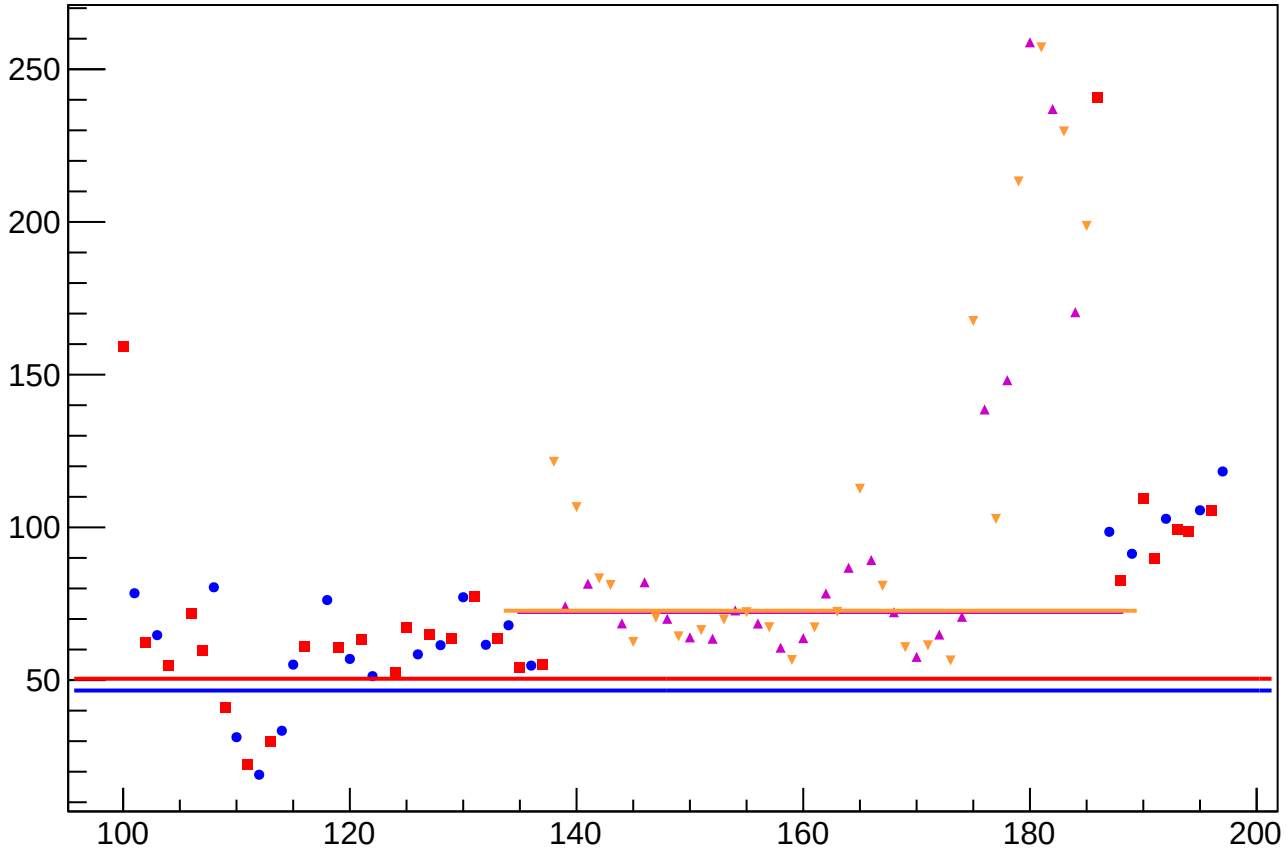
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.016+/-0.012 χ^2/NDF: 50.9/45

All: 0.007+/-0.009 χ^2/NDF: 108.3/94

- sign -0.002+/-0.012 χ^2/NDF: 56.4/48

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.580+/-0.012 χ^2/NDF: 5141395.6/20

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

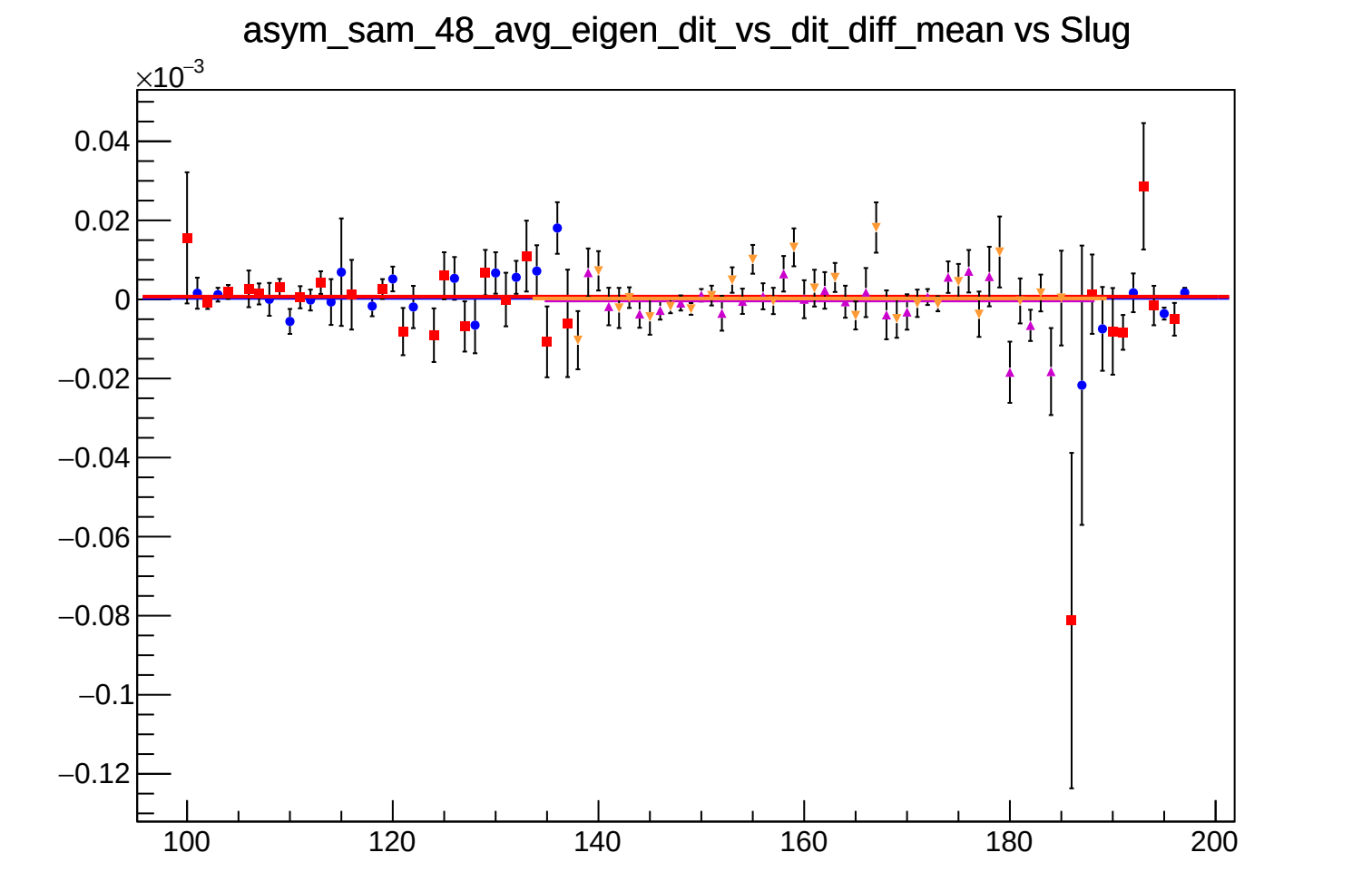
Right Out: 50.439+/-0.012 χ^2/NDF: 4586905.9/25

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 58.916+/-0.009 χ^2/NDF: 11338393.5/45

All: 59.680+/-0.006 χ^2/NDF: 20285803.6/94

- sign 60.445+/-0.009 χ^2/NDF: 8932070.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 29.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

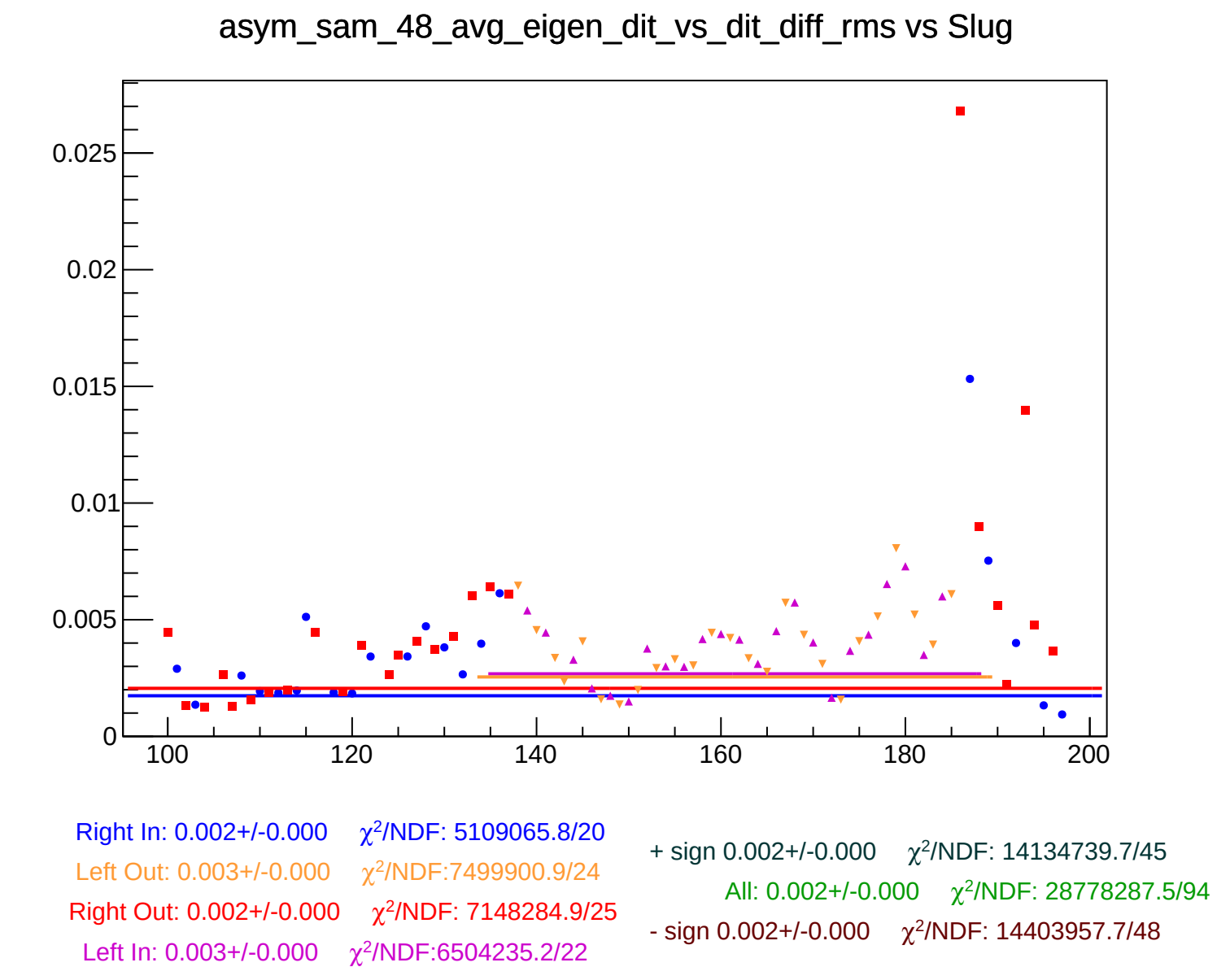
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/25

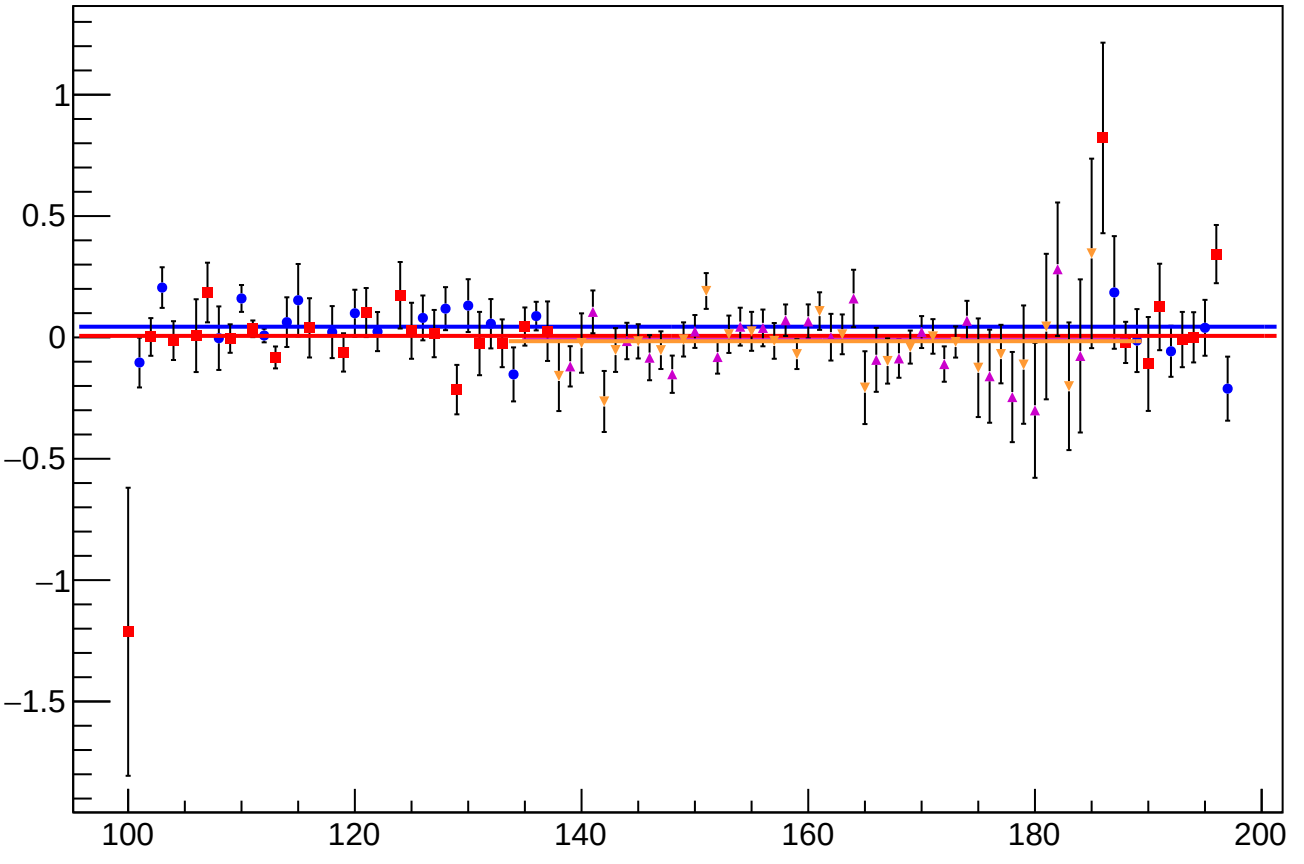
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.0/45

All: 0.000+/-0.000 χ^2/NDF: 128.2/94

- sign 0.000+/-0.000 χ^2/NDF: 55.2/48


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 5109065.8/20
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 7148284.9/25
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 14134739.7/45
All: 0.002+/-0.000 χ²/NDF: 28778287.5/94
- sign 0.002+/-0.000 χ²/NDF: 14403957.7/48



Right In: 0.044+/-0.017 χ^2/NDF: 23.4/20

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.006+/-0.017 χ^2/NDF: 32.6/25

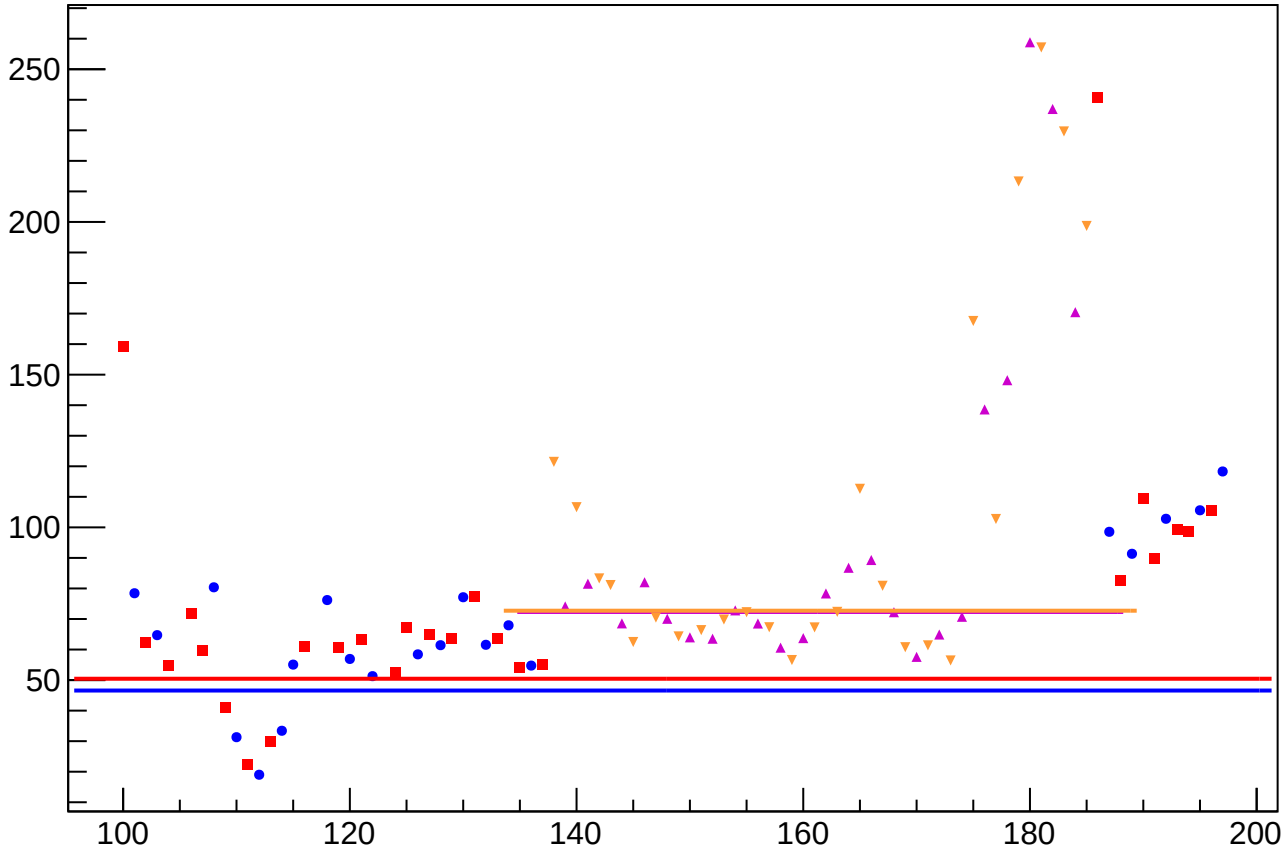
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.016+/-0.012 χ^2/NDF: 50.9/45

All: 0.007+/-0.009 χ^2/NDF: 108.3/94

- sign -0.002+/-0.012 χ^2/NDF: 56.4/48

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 46.579+/-0.012 χ^2/NDF: 5141596.9/20

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

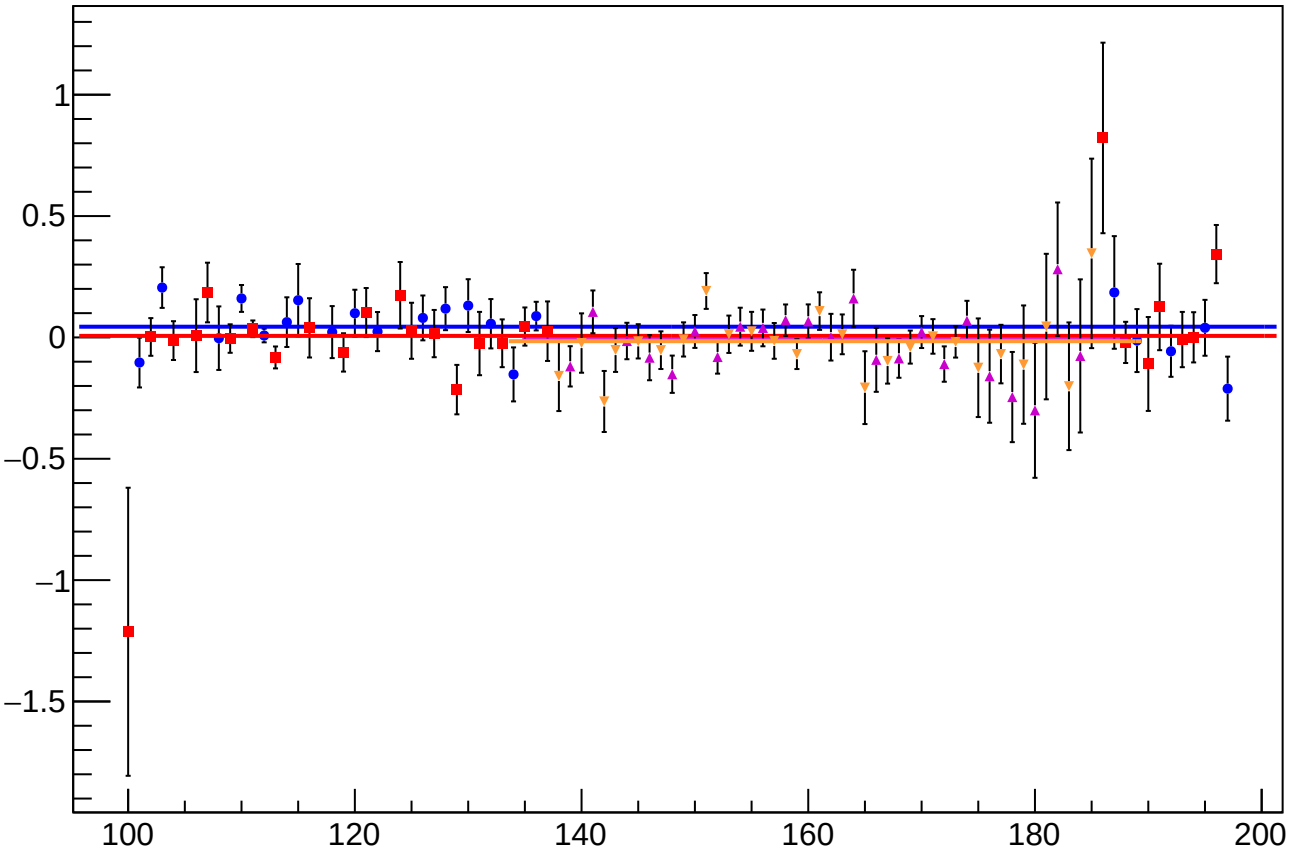
Right Out: 50.439+/-0.012 χ^2/NDF: 4587140.5/25

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 58.915+/-0.009 χ^2/NDF: 11338823.4/45

All: 59.679+/-0.006 χ^2/NDF: 20286623.9/94

- sign 60.444+/-0.009 χ^2/NDF: 8932458.9/48



Right In: 0.044+/-0.017 χ^2/NDF: 23.4/20

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

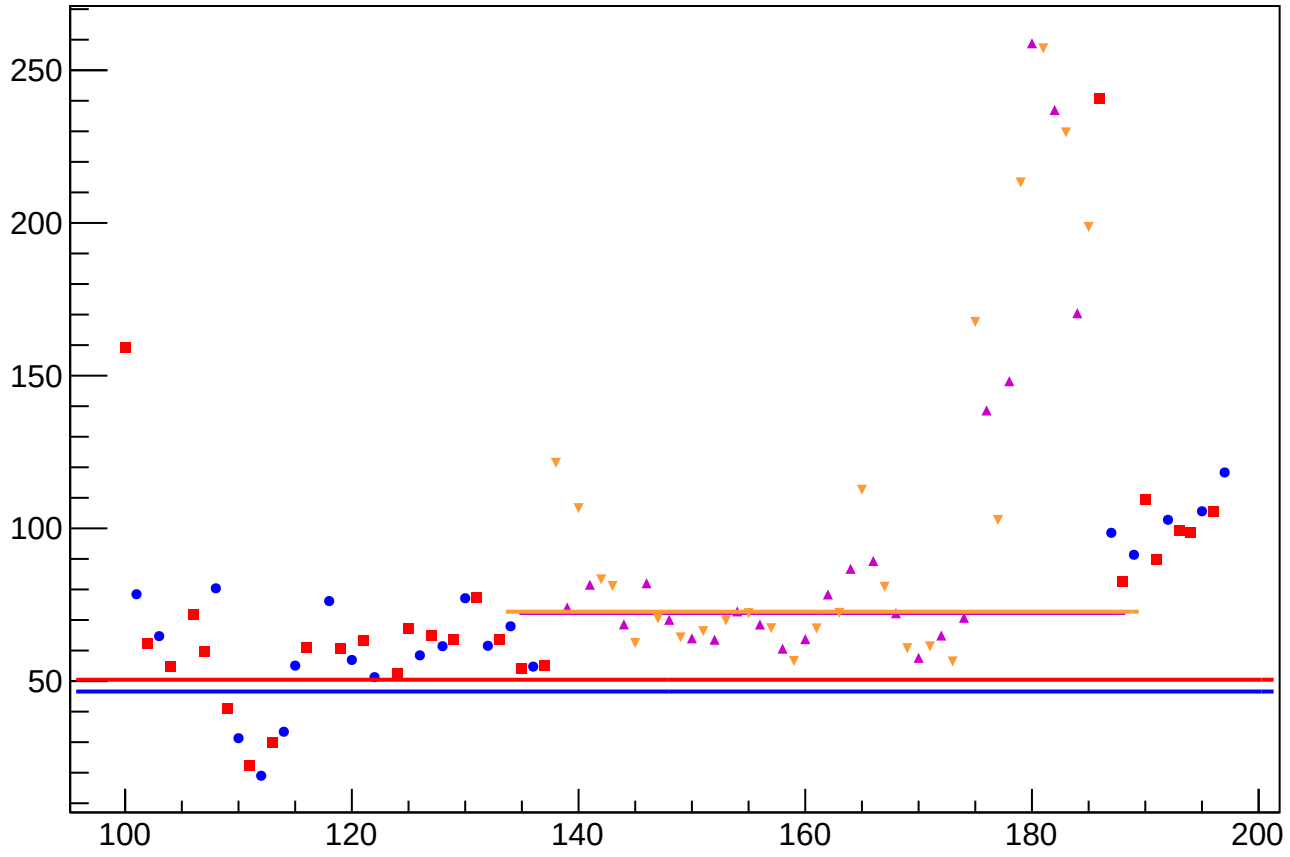
Right Out: 0.006+/-0.017 χ^2/NDF: 32.6/25

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.016+/-0.012 χ^2/NDF: 50.9/45

All: 0.007+/-0.009 χ^2/NDF: 108.3/94

- sign -0.002+/-0.012 χ^2/NDF: 56.4/48



Right In: 46.579+/-0.012 χ^2/NDF: 5141596.9/20

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

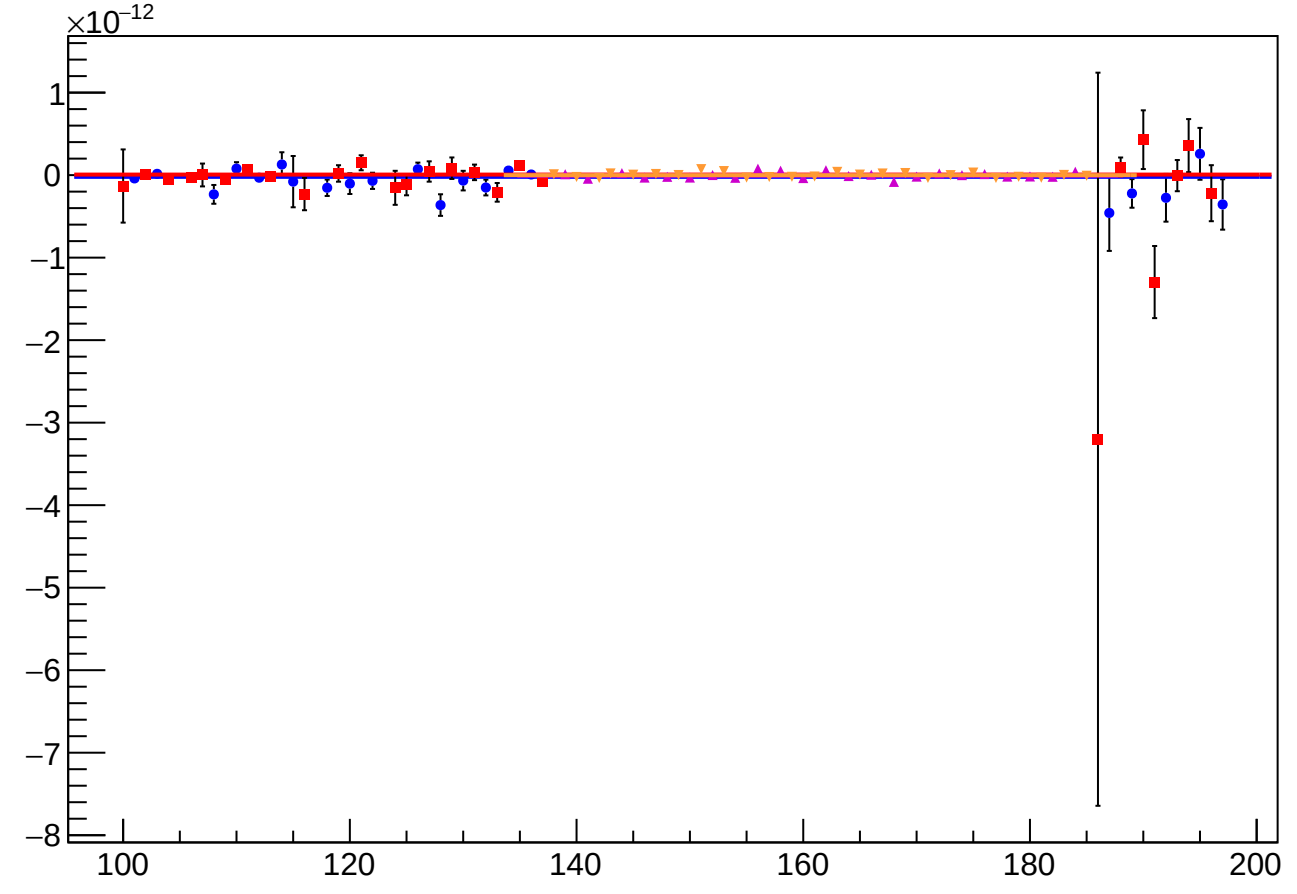
Right Out: 50.439+/-0.012 χ^2/NDF: 4587140.5/25

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 58.915+/-0.009 χ^2/NDF: 11338823.4/45

All: 59.679+/-0.006 χ^2/NDF: 20286623.9/94

- sign 60.444+/-0.009 χ^2/NDF: 8932458.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

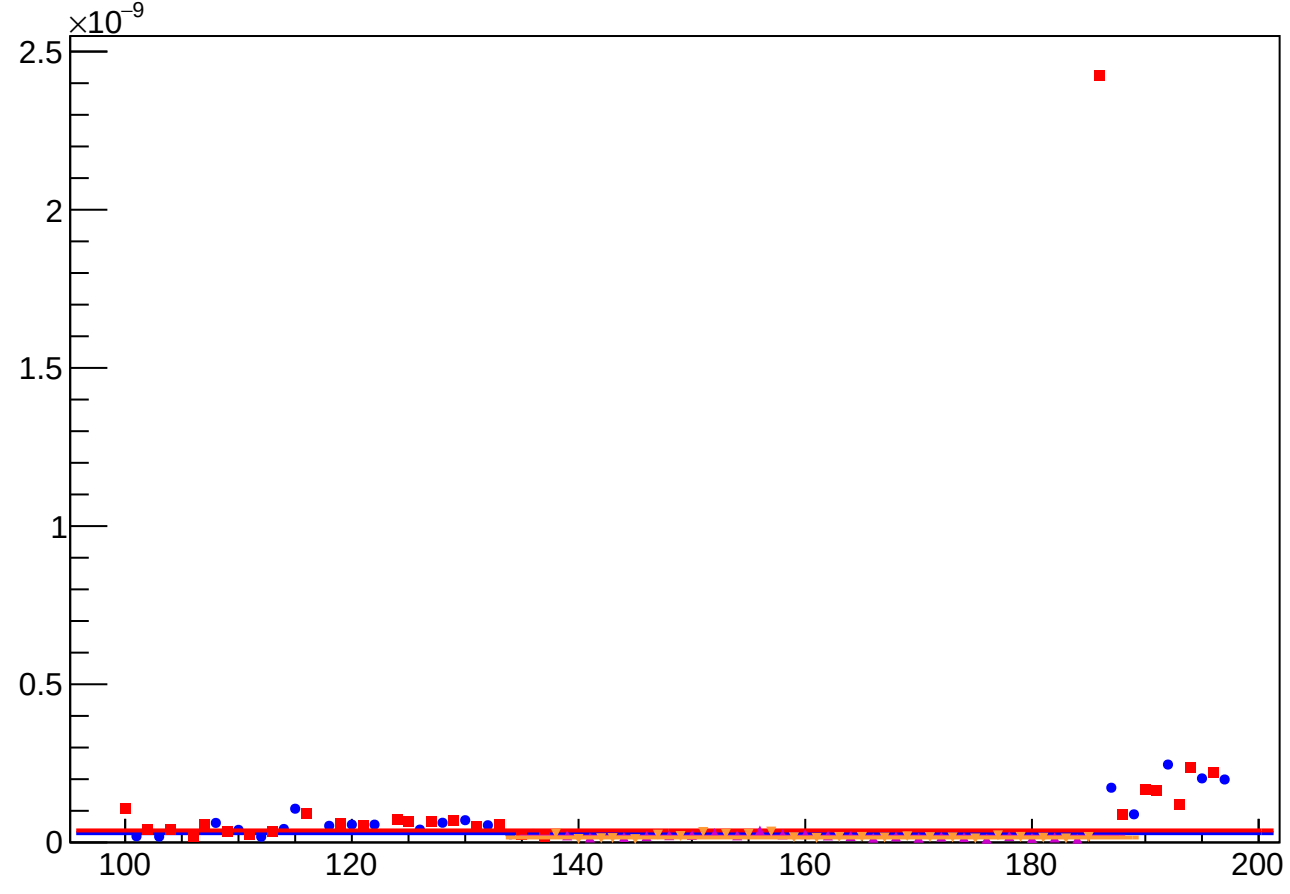
Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/25

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/45

All: -0.000+/-0.000 χ^2/NDF: 133.0/94

- sign -0.000+/-0.000 χ^2/NDF: 75.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 4613162.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4844239.1/25

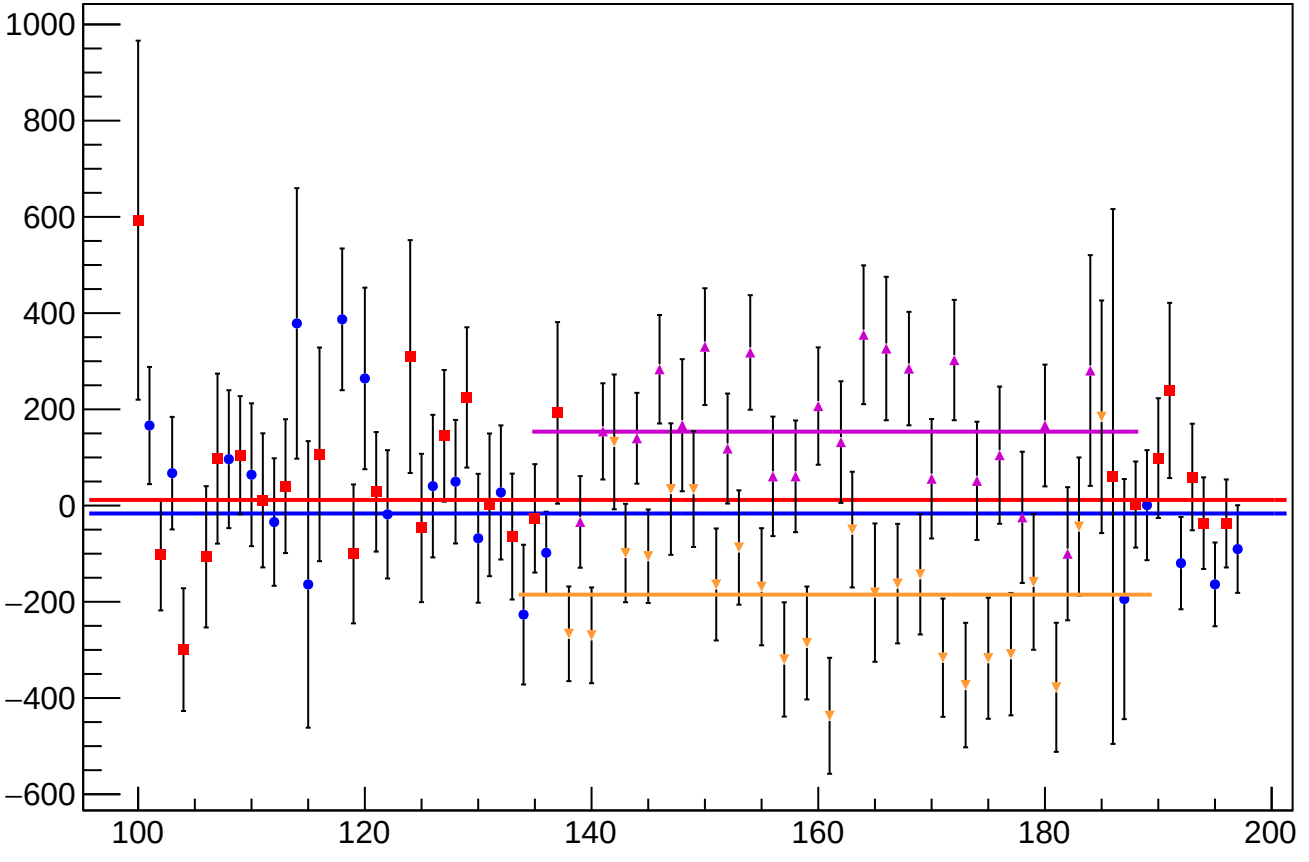
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8560692.1/45

All: 0.000+/-0.000 χ^2/NDF: 18054630.2/94

- sign 0.000+/-0.000 χ^2/NDF: 9113874.0/48

reg_asym_sam_15_dd_mean vs Slug



Right In: -16.463+/-27.761 χ^2/NDF: 24.5/20

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 11.711+/-26.448 χ^2/NDF: 20.6/25

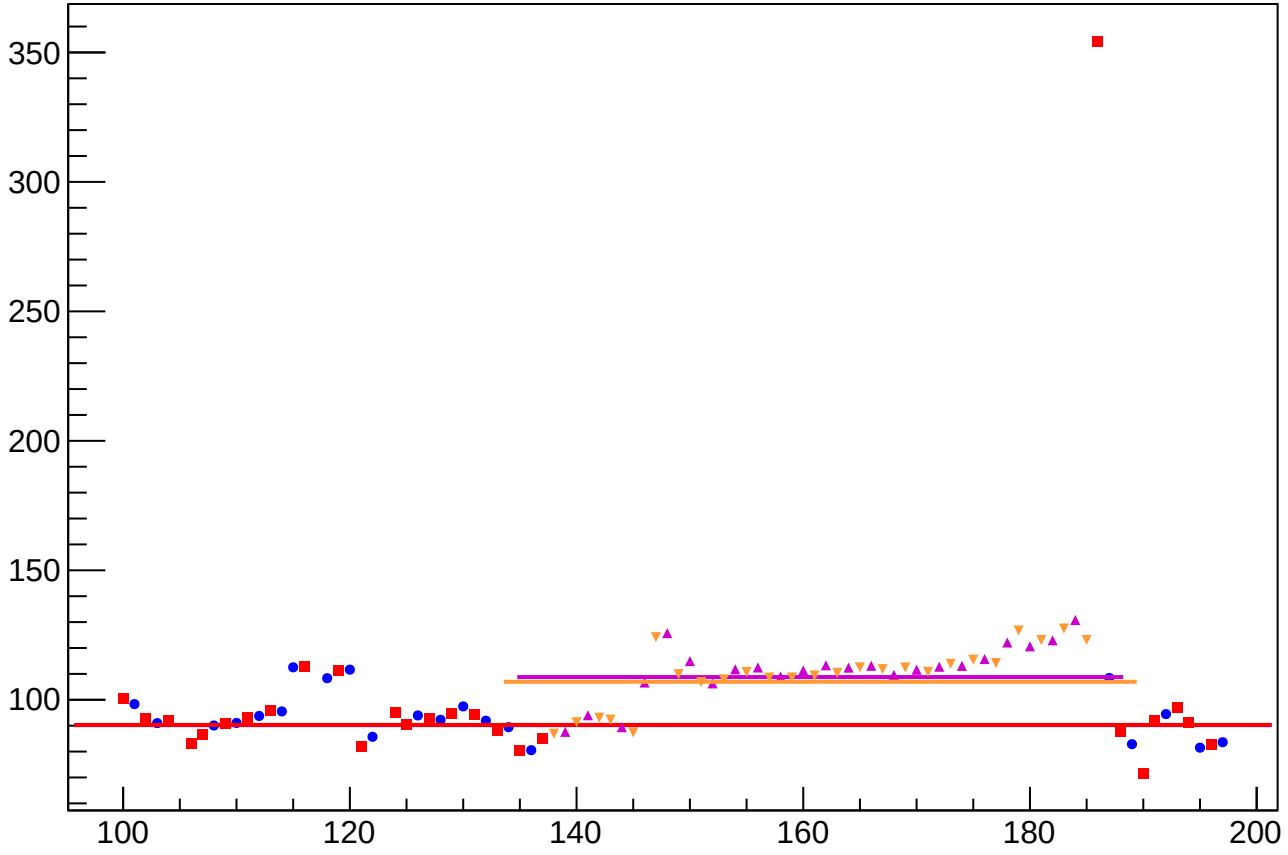
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -111.450+/-18.349 χ^2/NDF: 78.4/45

All: -13.268+/-12.983 χ^2/NDF: 194.7/94

- sign 85.154+/-18.372 χ^2/NDF: 59.0/48

reg_asym_sam_15_dd_rms vs Slug



Right In: 90.223+/-0.020 χ^2/NDF: 167835.5/20

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 90.290+/-0.019 χ^2/NDF: 626525.4/25

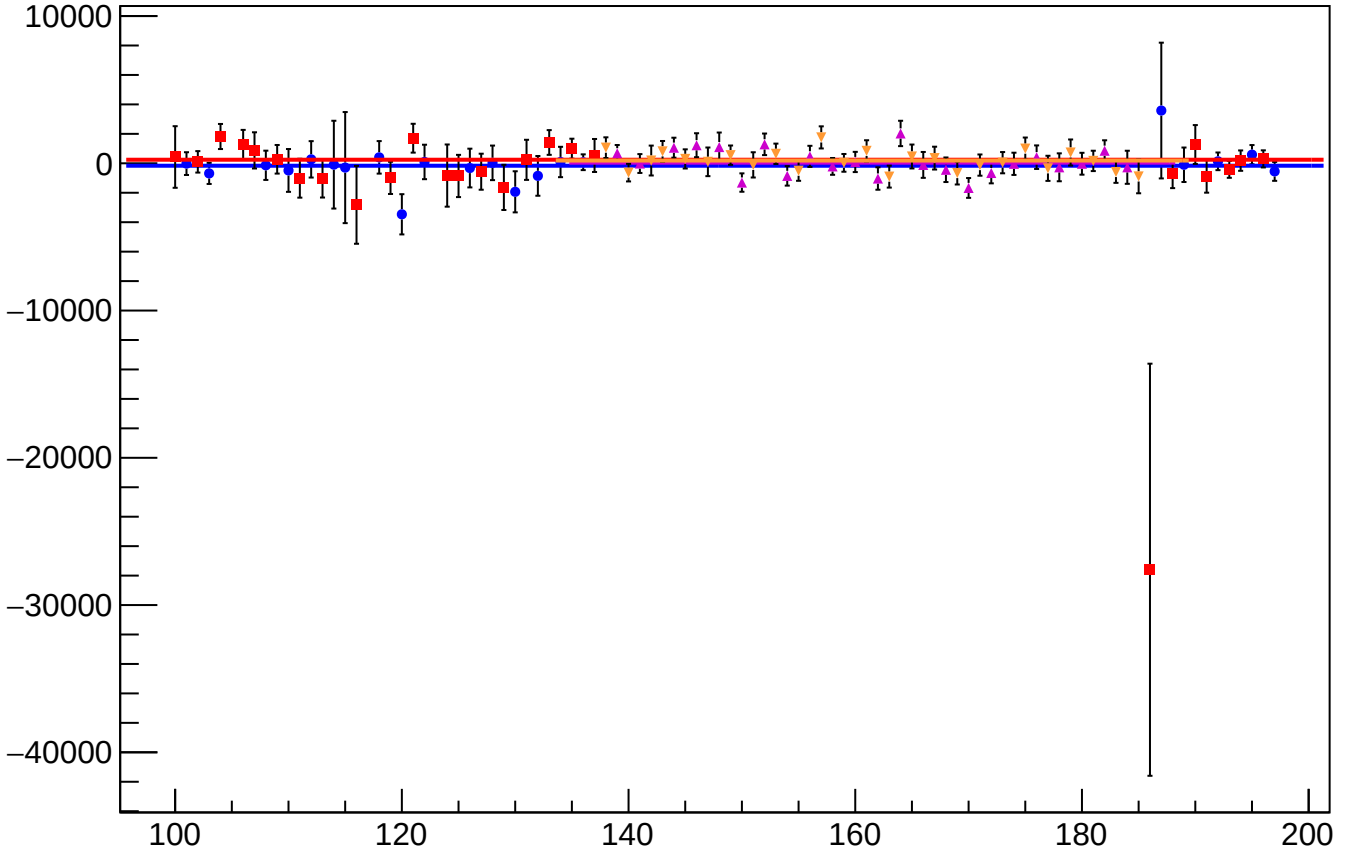
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 99.644+/-0.013 χ^2/NDF: 1041201.8/45

All: 99.752+/-0.009 χ^2/NDF: 2532161.6/94

- sign 99.859+/-0.013 χ^2/NDF: 1490822.8/48

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -164.803+/-207.740 χ^2/NDF: 11.7/20

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 242.709+/-193.456 χ^2/NDF: 25.5/25

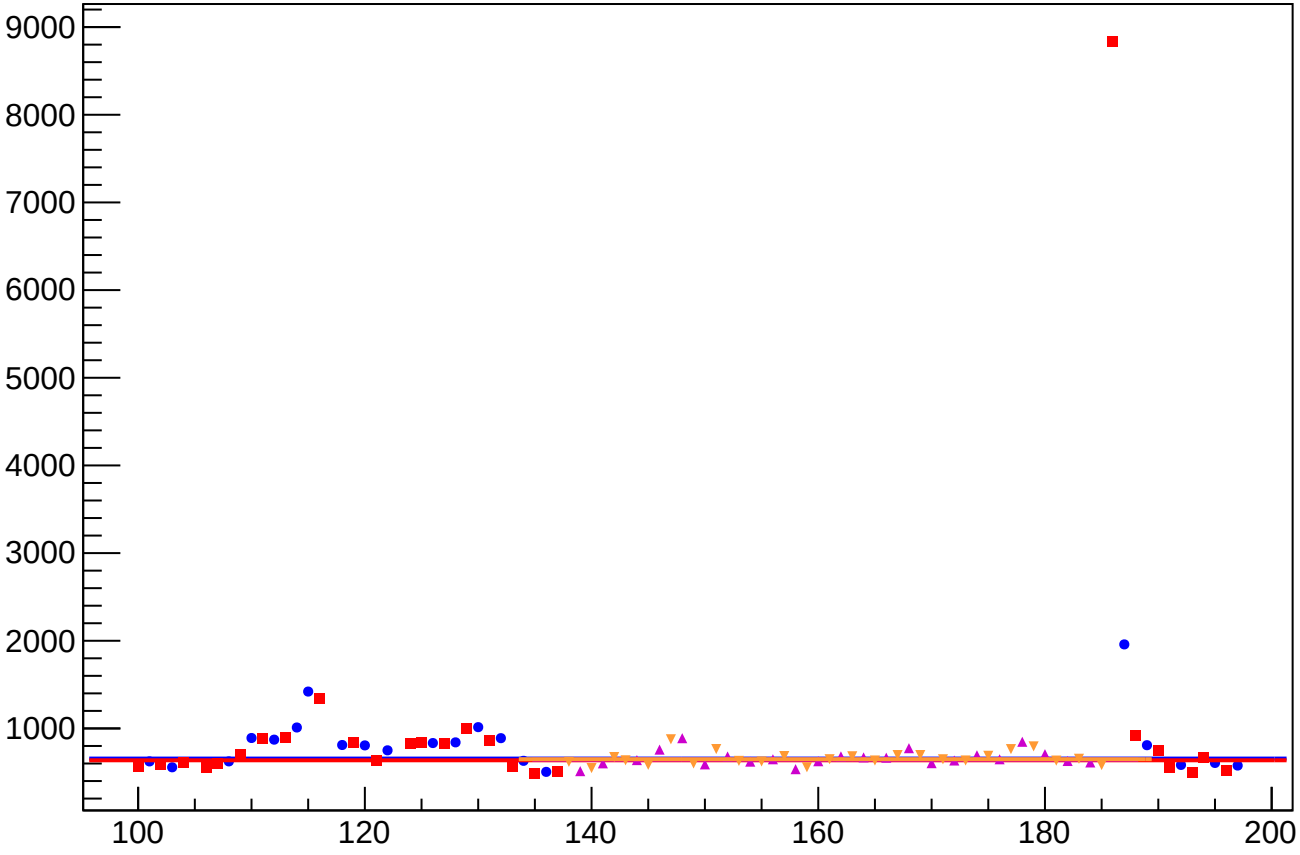
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 67.328+/-120.980 χ^2/NDF: 32.6/45

All: 93.683+/-85.035 χ^2/NDF: 92.6/94

- sign 119.419+/-119.550 χ^2/NDF: 59.9/48

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 656.166+/-0.147 χ^2/NDF: 1048602.4/20

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 636.759+/-0.137 χ^2/NDF: 1886911.7/25

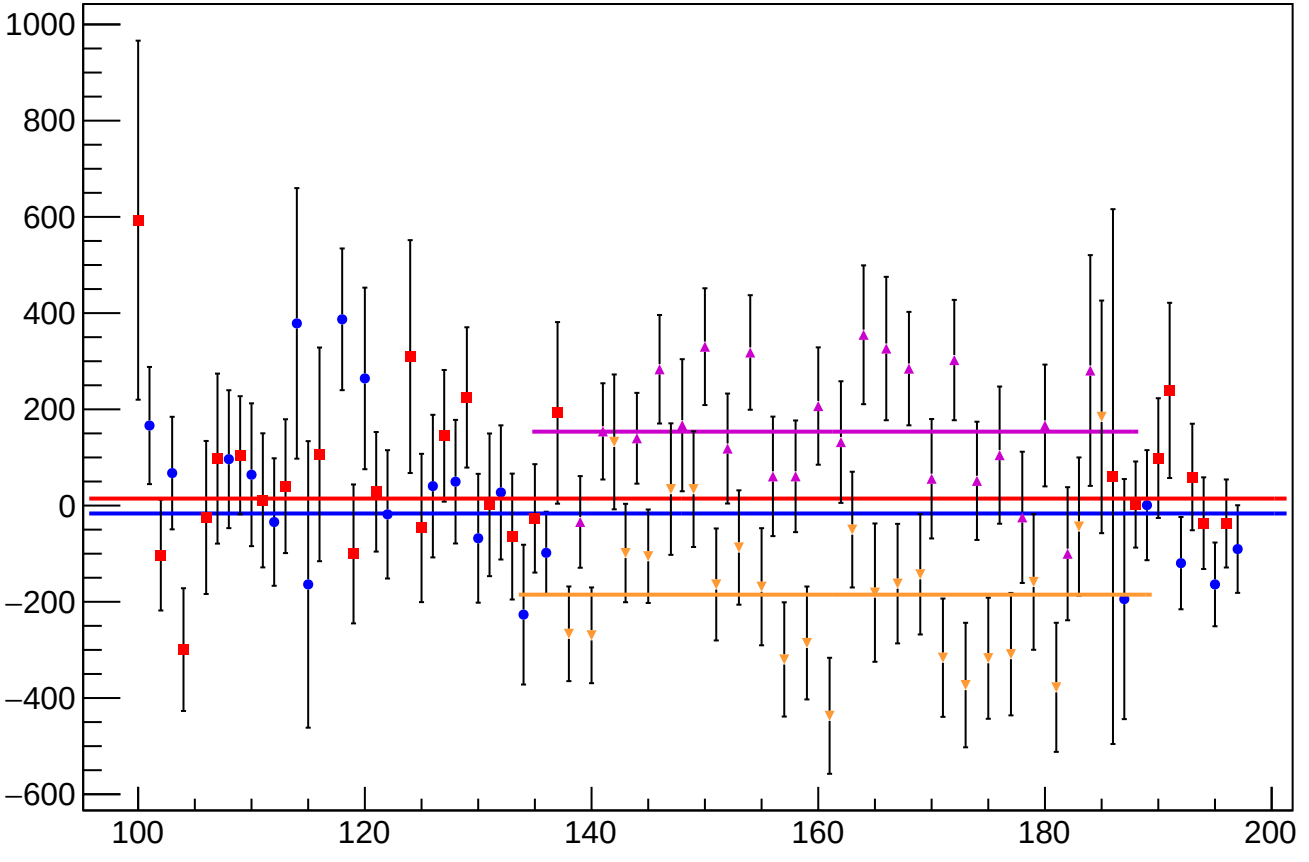
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 651.555+/-0.086 χ^2/NDF: 1468457.9/45

All: 646.356+/-0.060 χ^2/NDF: 3923556.1/94

- sign 641.280+/-0.085 χ^2/NDF: 2447798.1/48

cor_asym_sam_15_dd_mean vs Slug



Right In: -16.454+/-27.761 χ^2/NDF: 24.5/20

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 14.550+/-26.512 χ^2/NDF: 20.0/25

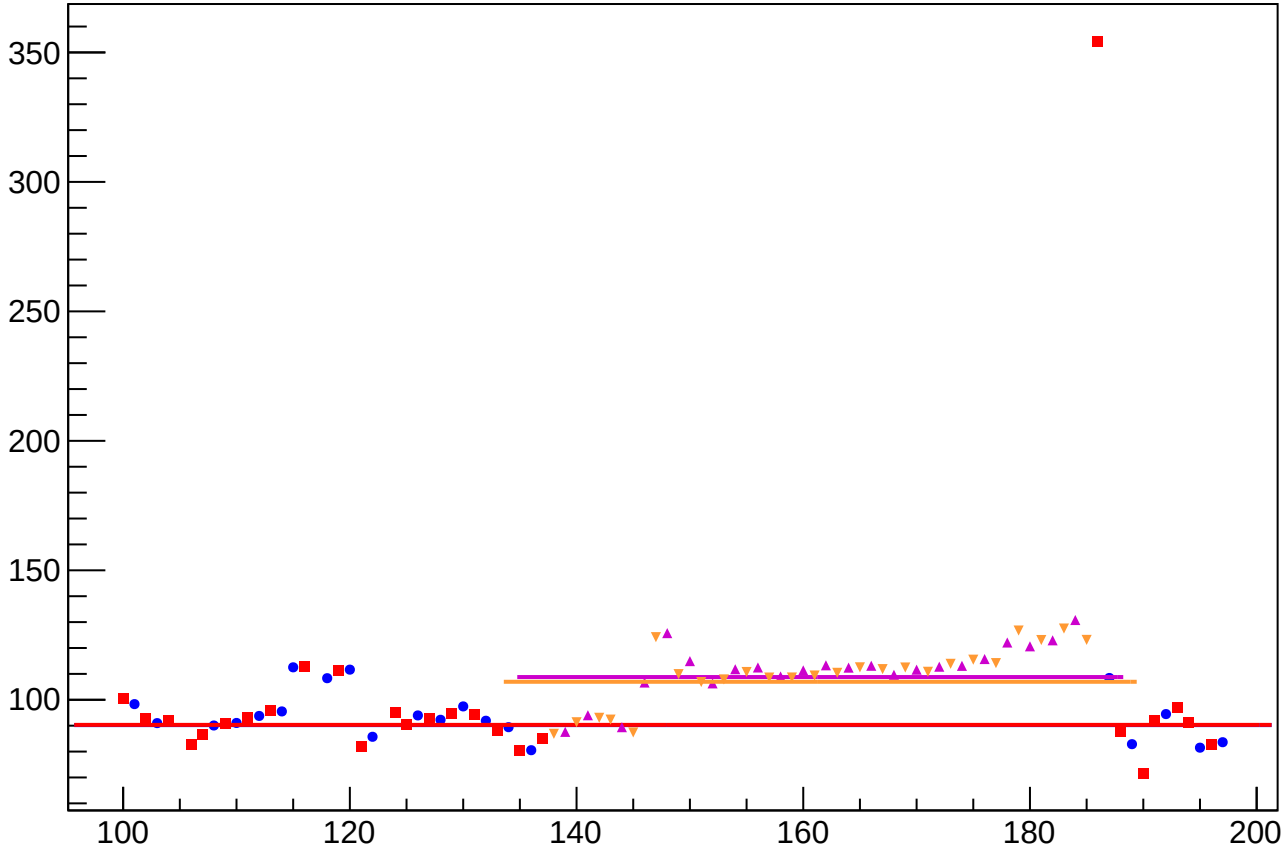
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -111.448+/-18.349 χ^2/NDF: 78.4/45

All: -12.612+/-12.990 χ^2/NDF: 194.3/94

- sign 86.693+/-18.393 χ^2/NDF: 57.8/48

cor_asym_sam_15_dd_rms vs Slug



Right In: 90.223+/-0.020 χ^2/NDF: 167835.5/20

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 90.309+/-0.019 χ^2/NDF: 626471.5/25

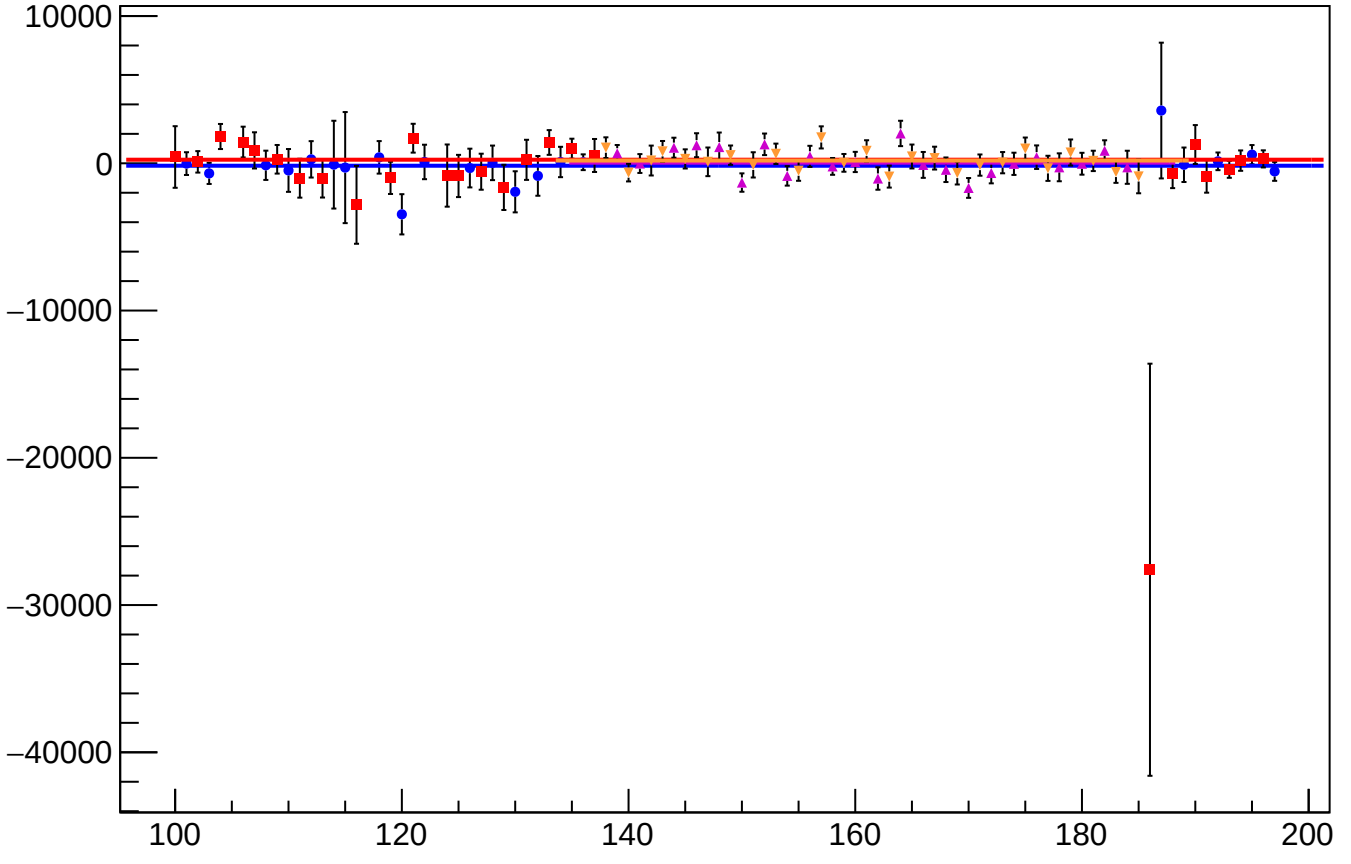
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 99.644+/-0.013 χ^2/NDF: 1041201.7/45

All: 99.767+/-0.009 χ^2/NDF: 2529850.5/94

- sign 99.891+/-0.013 χ^2/NDF: 1488468.9/48

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -164.799+/-207.740 χ^2/NDF: 11.7/20

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 244.120+/-193.845 χ^2/NDF: 25.7/25

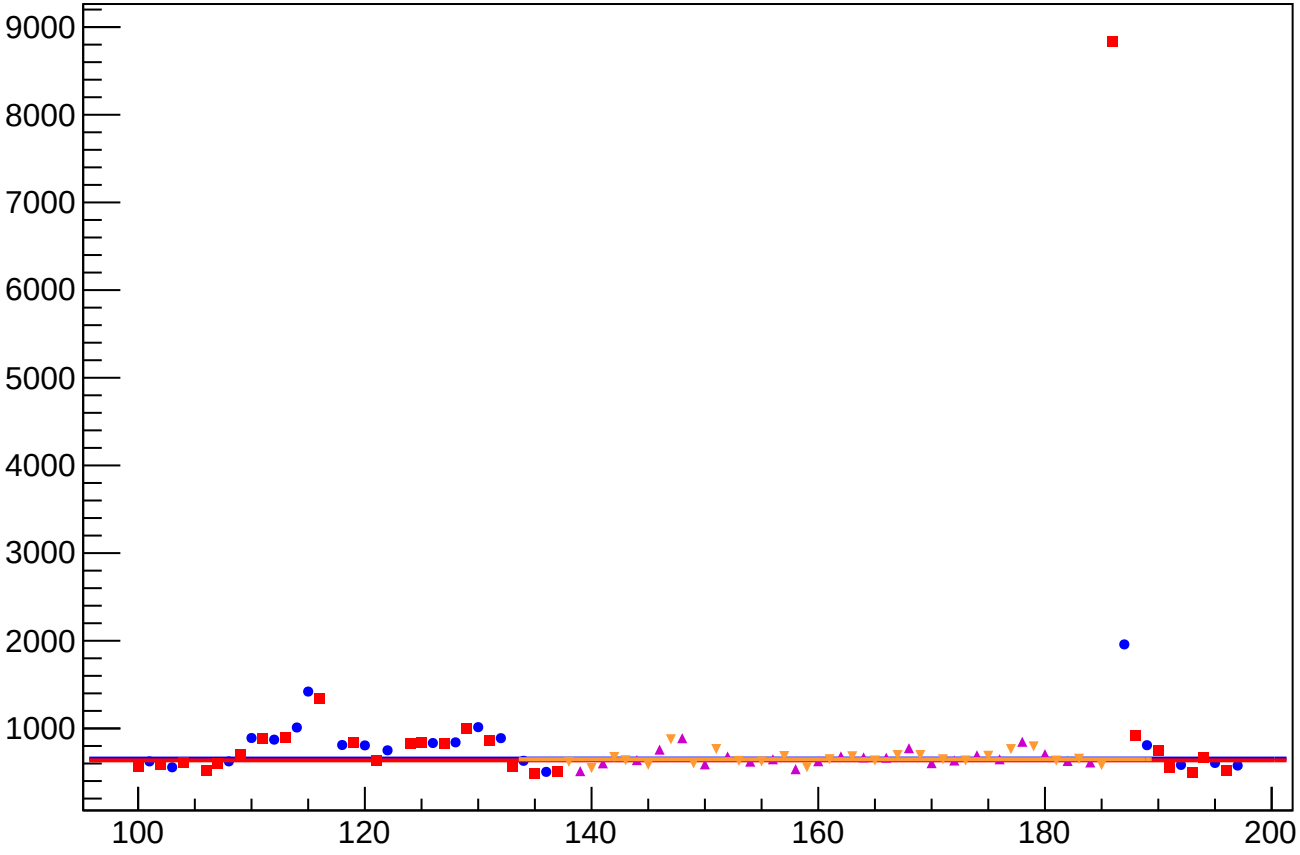
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 67.325+/-120.980 χ^2/NDF: 32.6/45

All: 93.839+/-85.068 χ^2/NDF: 92.8/94

- sign 119.770+/-119.641 χ^2/NDF: 60.1/48

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 656.166+/-0.147 χ^2/NDF: 1048602.8/20

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 636.144+/-0.137 χ^2/NDF: 1895575.3/25

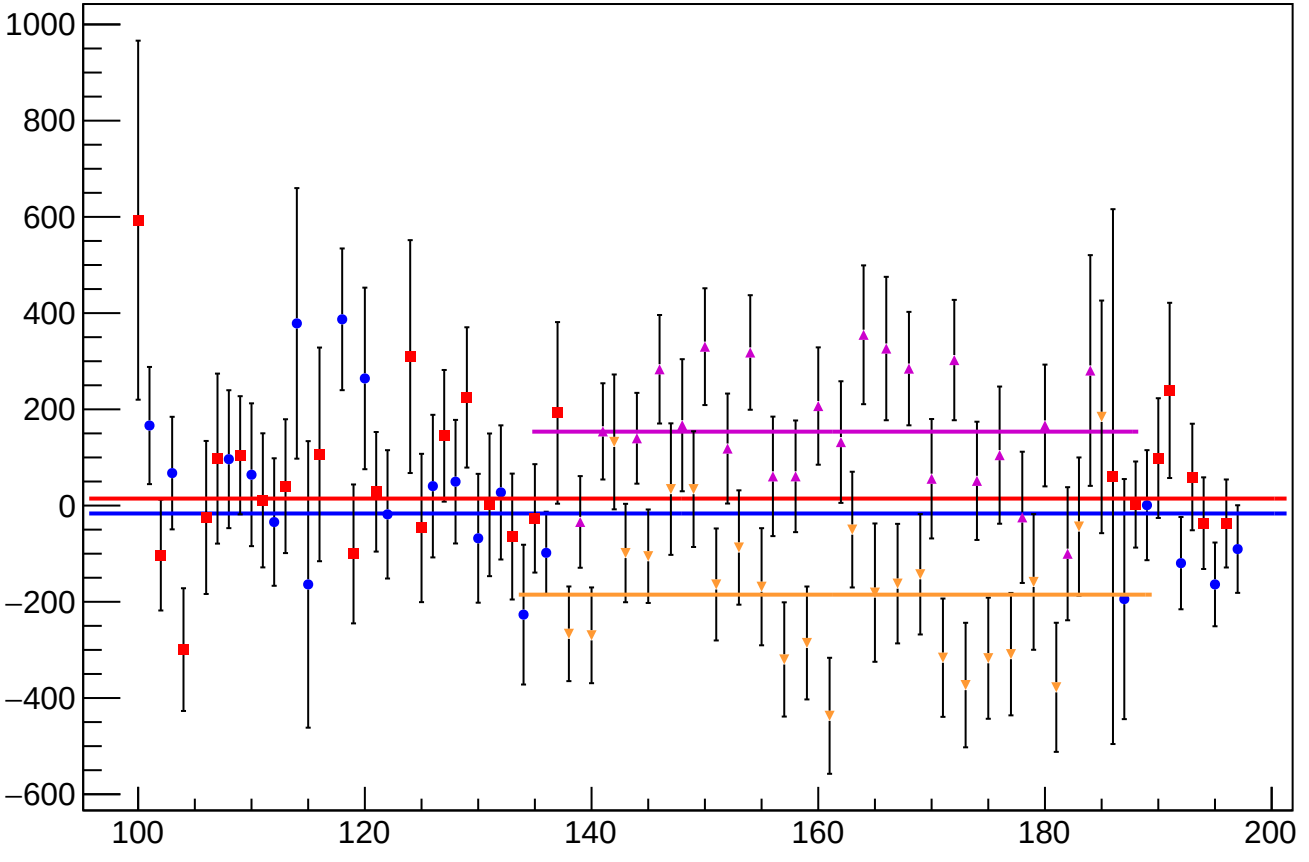
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 651.555+/-0.086 χ^2/NDF: 1468458.8/45

All: 646.245+/-0.060 χ^2/NDF: 3932847.7/94

- sign 641.052+/-0.085 χ^2/NDF: 2456767.6/48

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -16.454+/-27.761 χ^2/NDF: 24.5/20

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 14.550+/-26.512 χ^2/NDF: 20.0/25

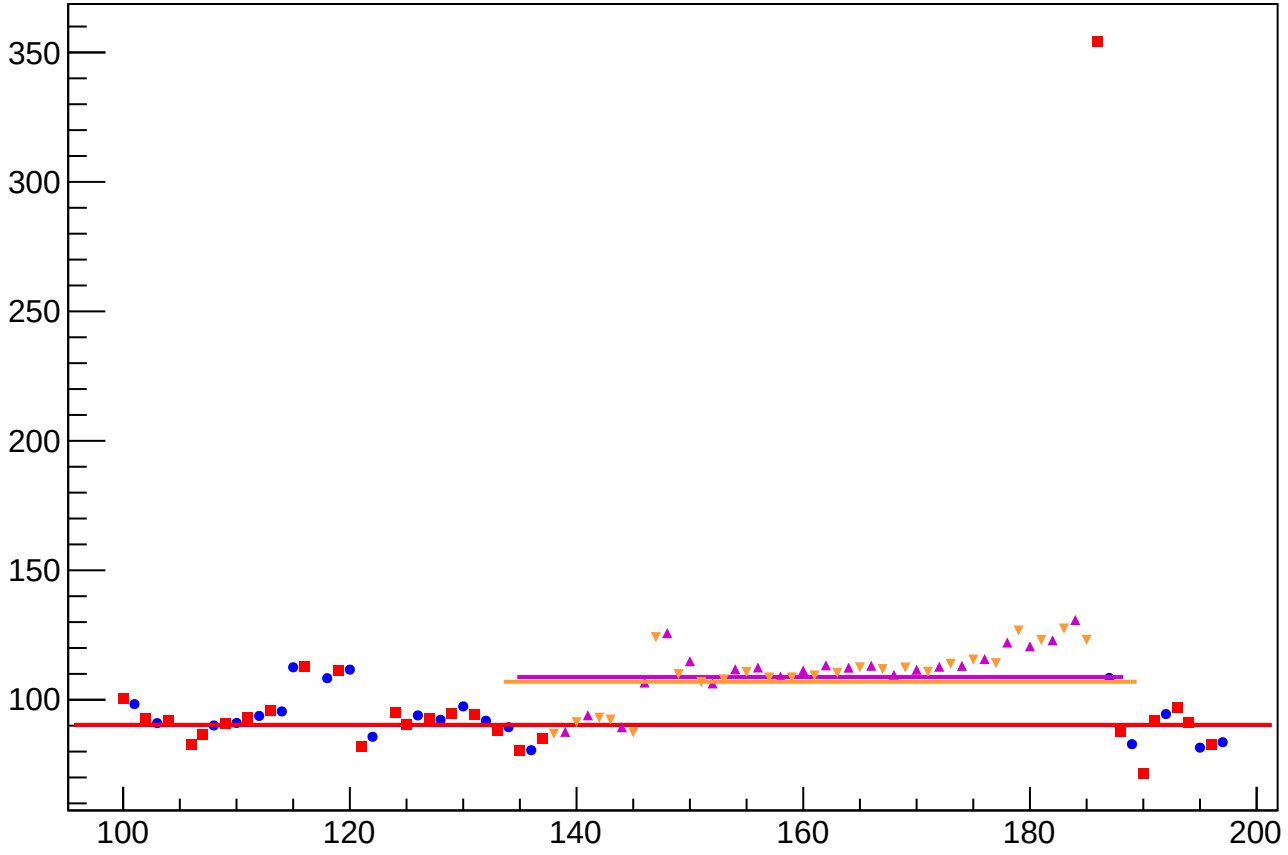
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -111.448+/-18.349 χ^2/NDF: 78.4/45

All: -12.612+/-12.990 χ^2/NDF: 194.3/94

- sign 86.693+/-18.393 χ^2/NDF: 57.8/48

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 90.223+/-0.020 χ^2/NDF: 167835.5/20

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

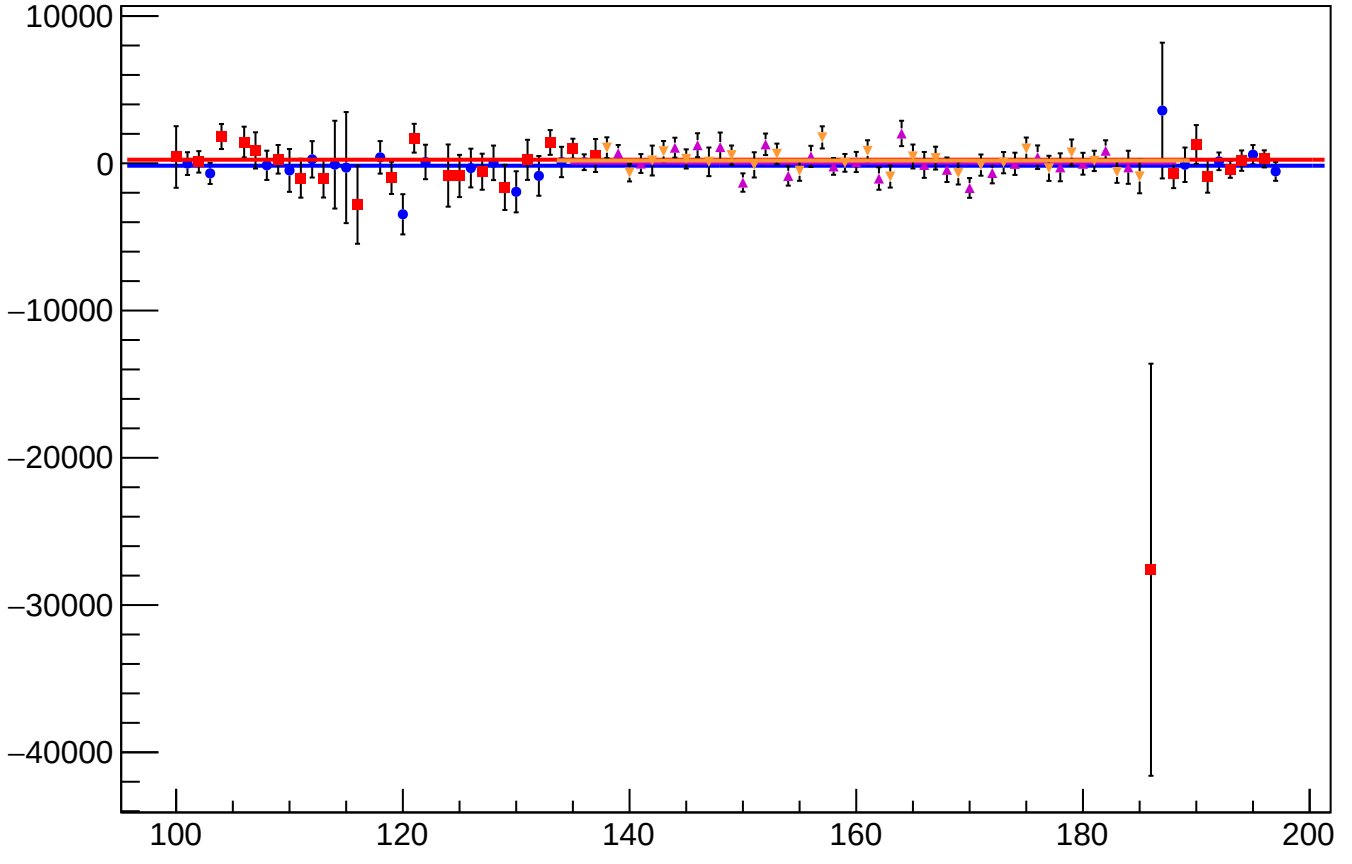
Right Out: 90.309+/-0.019 χ^2/NDF: 626471.5/25

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 99.644+/-0.013 χ^2/NDF: 1041201.7/45

All: 99.767+/-0.009 χ^2/NDF: 2529850.5/94

- sign 99.891+/-0.013 χ^2/NDF: 1488468.9/48



Right In: -164.799+/-207.740 χ^2/NDF: 11.7/20

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 244.120+/-193.845 χ^2/NDF: 25.7/25

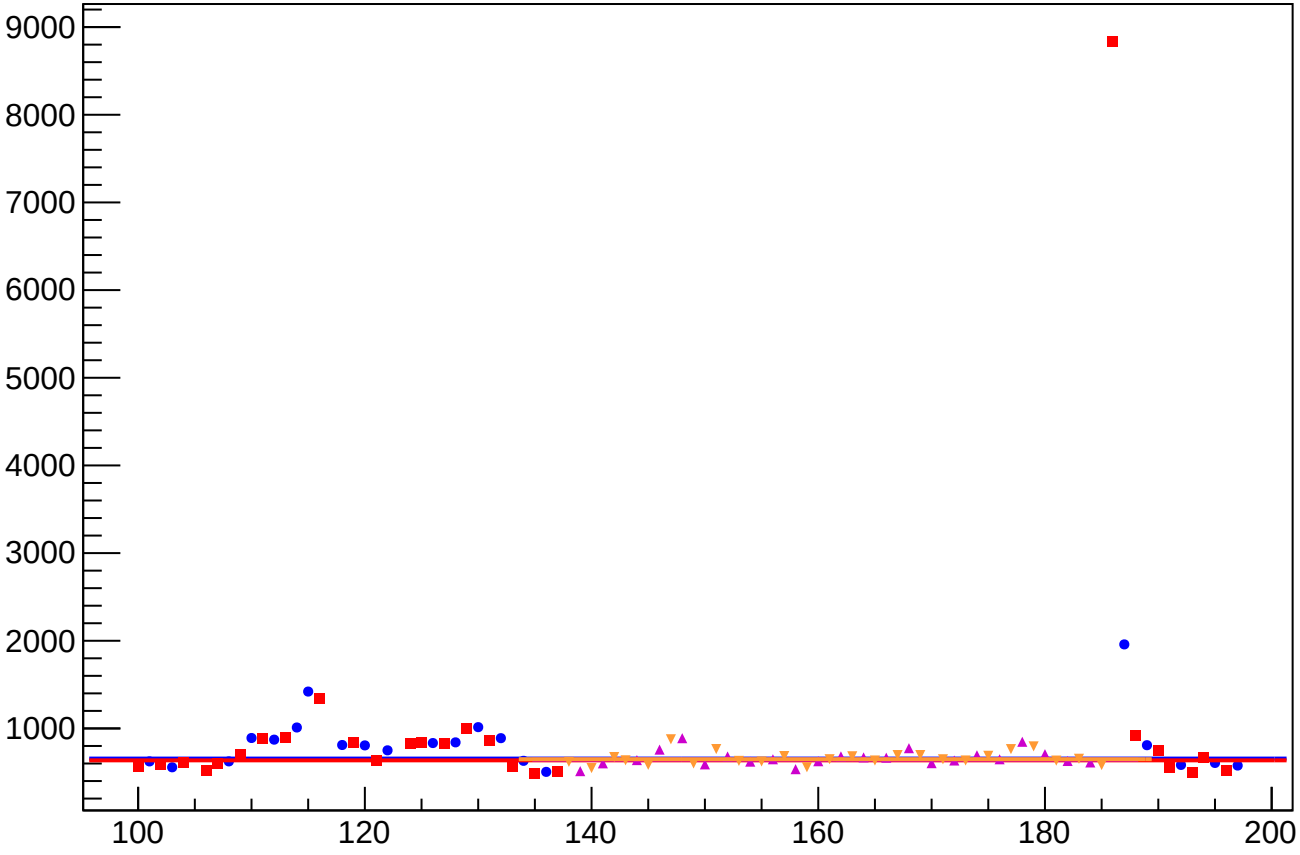
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 67.325+/-120.980 χ^2/NDF: 32.6/45

All: 93.839+/-85.068 χ^2/NDF: 92.8/94

- sign 119.770+/-119.641 χ^2/NDF: 60.1/48

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 656.166+/-0.147 χ^2/NDF: 1048602.8/20

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

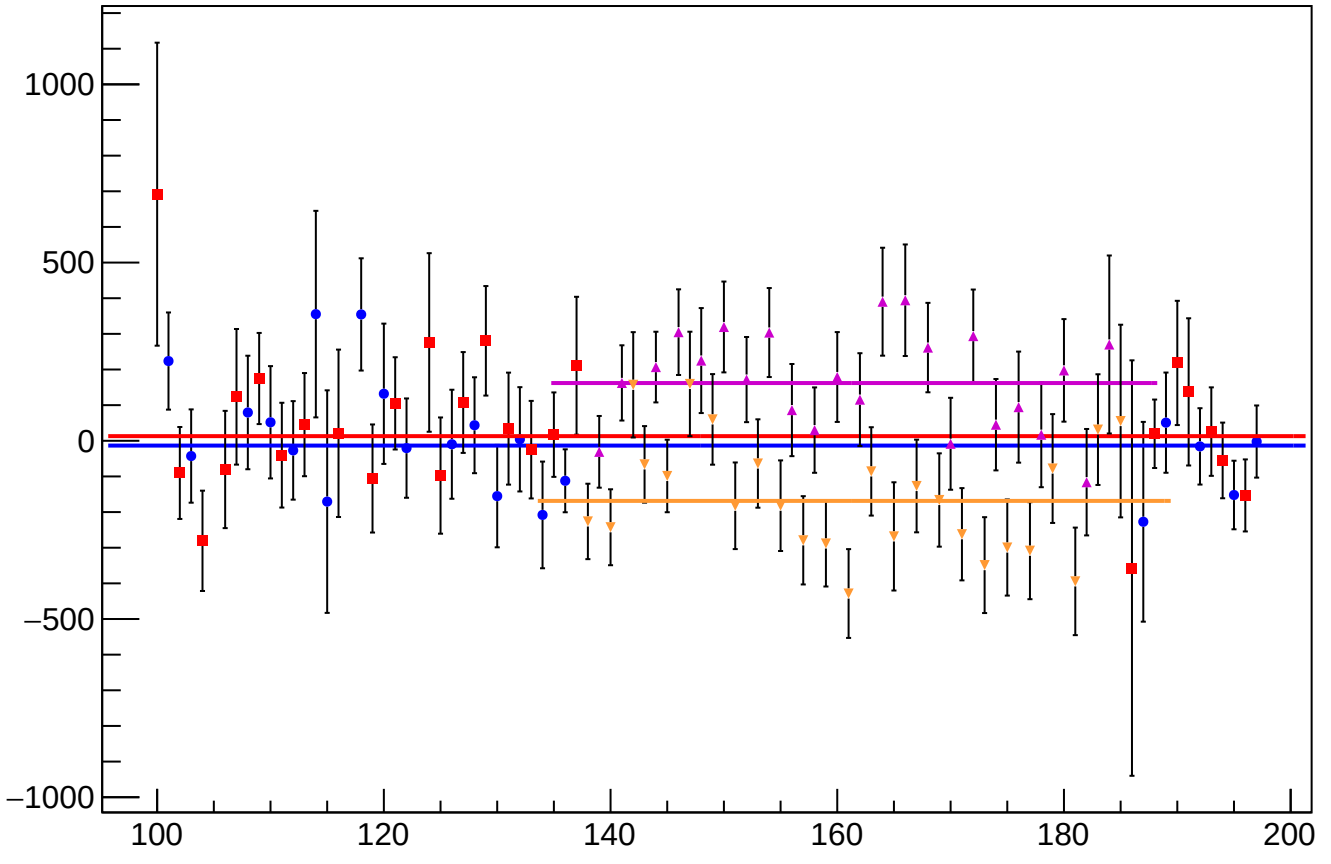
Right Out: 636.144+/-0.137 χ^2/NDF: 1895575.3/25

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 651.555+/-0.086 χ^2/NDF: 1468458.8/45

All: 646.245+/-0.060 χ^2/NDF: 3932847.7/94

- sign 641.052+/-0.085 χ^2/NDF: 2456767.6/48



Right In: -13.437+/-30.063 χ^2/NDF: 18.5/20

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 13.047+/-28.696 χ^2/NDF: 22.6/25

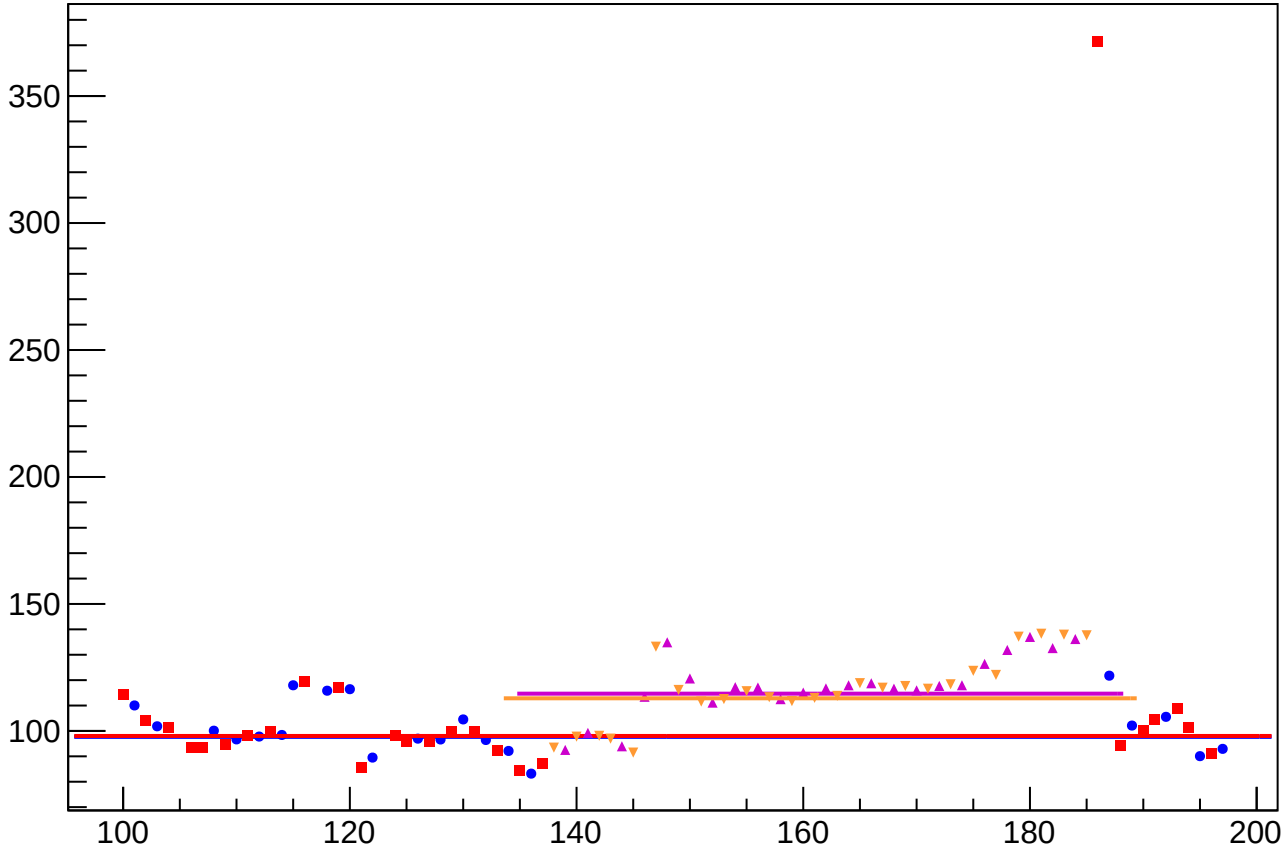
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -102.755+/-19.587 χ^2/NDF: 66.2/45

All: -5.552+/-13.870 χ^2/NDF: 176.1/94

- sign 92.213+/-19.644 χ^2/NDF: 60.5/48

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.670+/-0.021 χ^2/NDF: 185114.2/20

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.019+/-0.020 χ^2/NDF: 588601.9/25

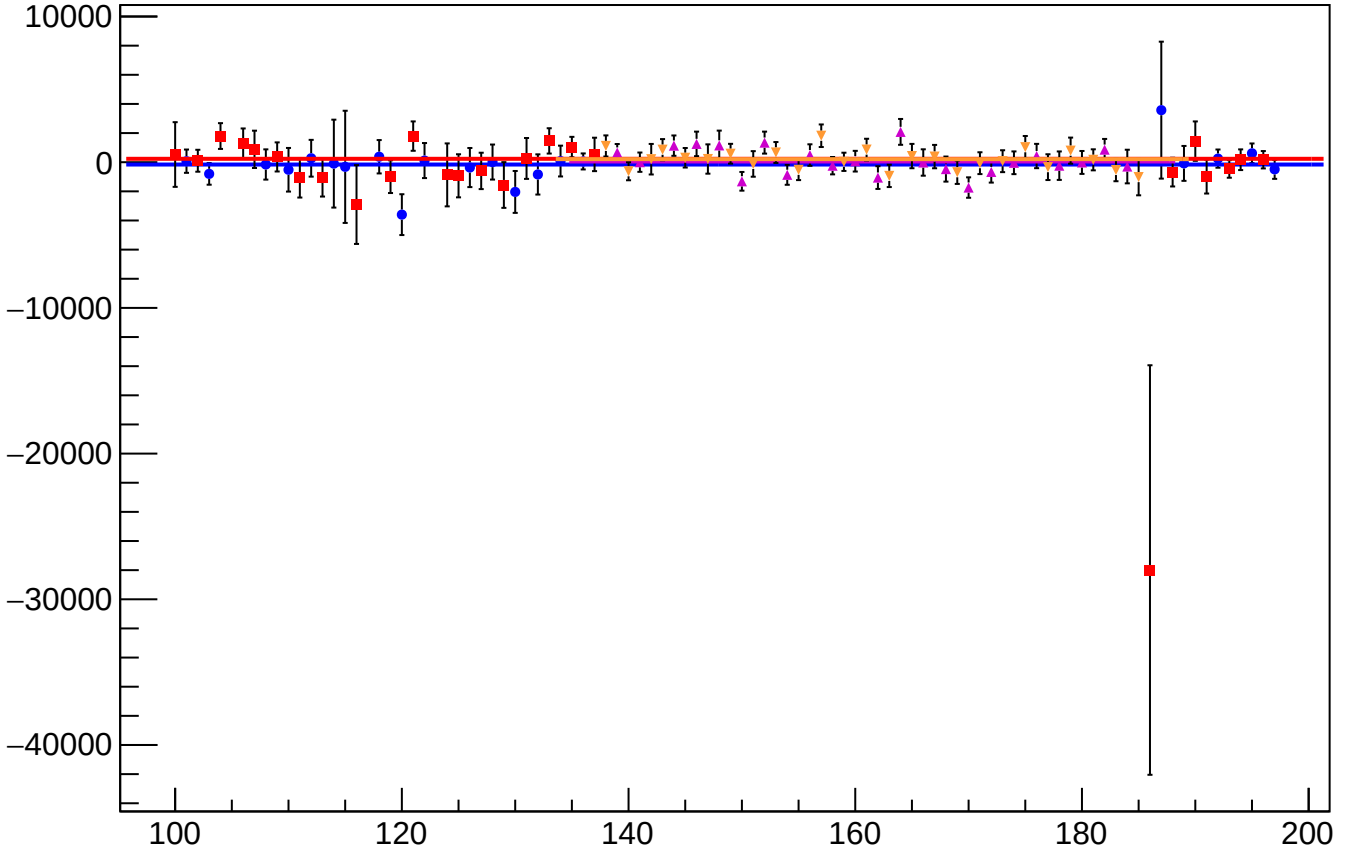
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 106.406+/-0.014 χ^2/NDF: 990809.1/45

All: 106.638+/-0.010 χ^2/NDF: 2348037.1/94

- sign 106.871+/-0.014 χ^2/NDF: 1356666.2/48

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -159.292+/-214.023 χ^2/NDF: 12.1/20

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 233.990+/-199.888 χ^2/NDF: 25.4/25

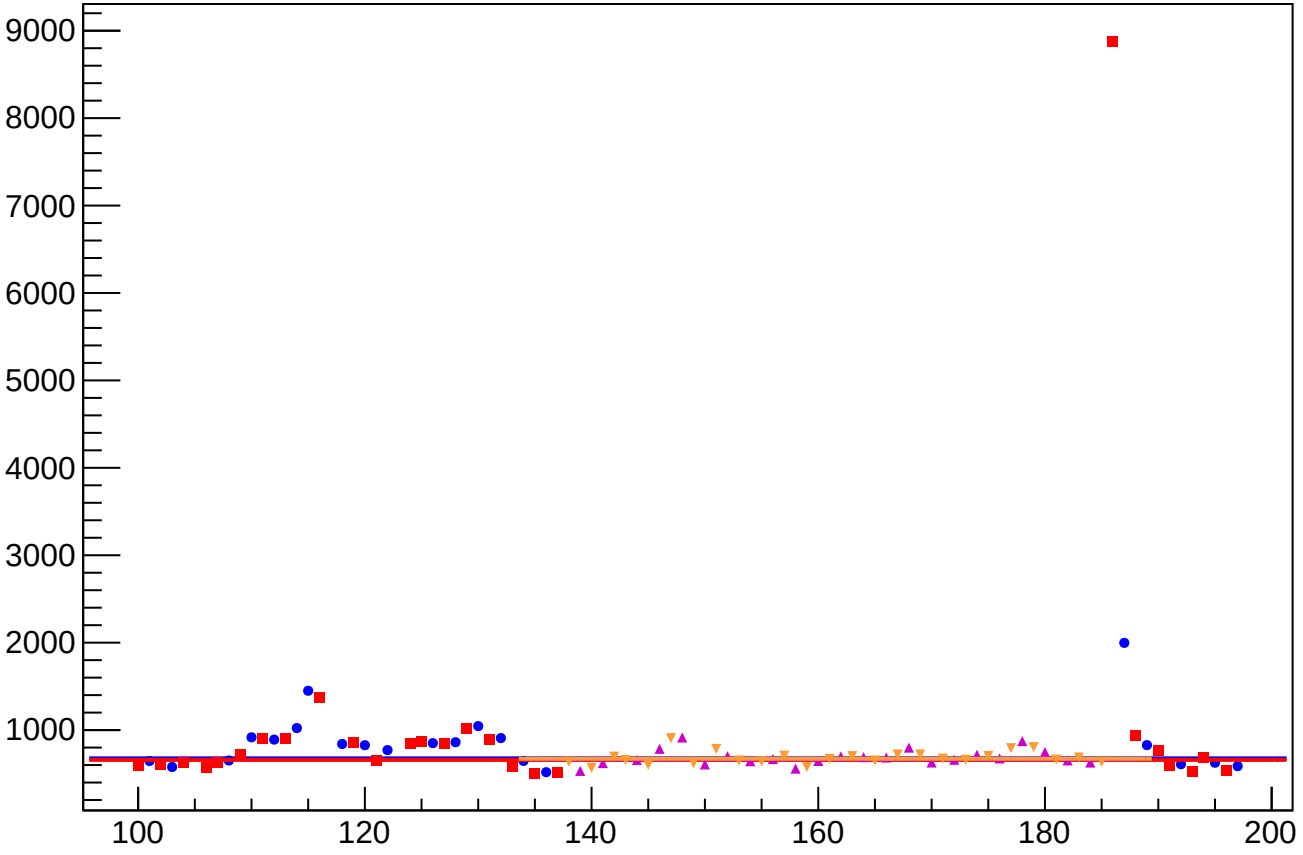
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 83.693+/-124.963 χ^2/NDF: 33.0/45

All: 102.349+/-87.914 χ^2/NDF: 92.3/94

- sign 120.632+/-123.704 χ^2/NDF: 59.2/48

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 676.627+/-0.151 χ^2/NDF: 1030478.9/20

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 659.092+/-0.141 χ^2/NDF: 1828356.9/25

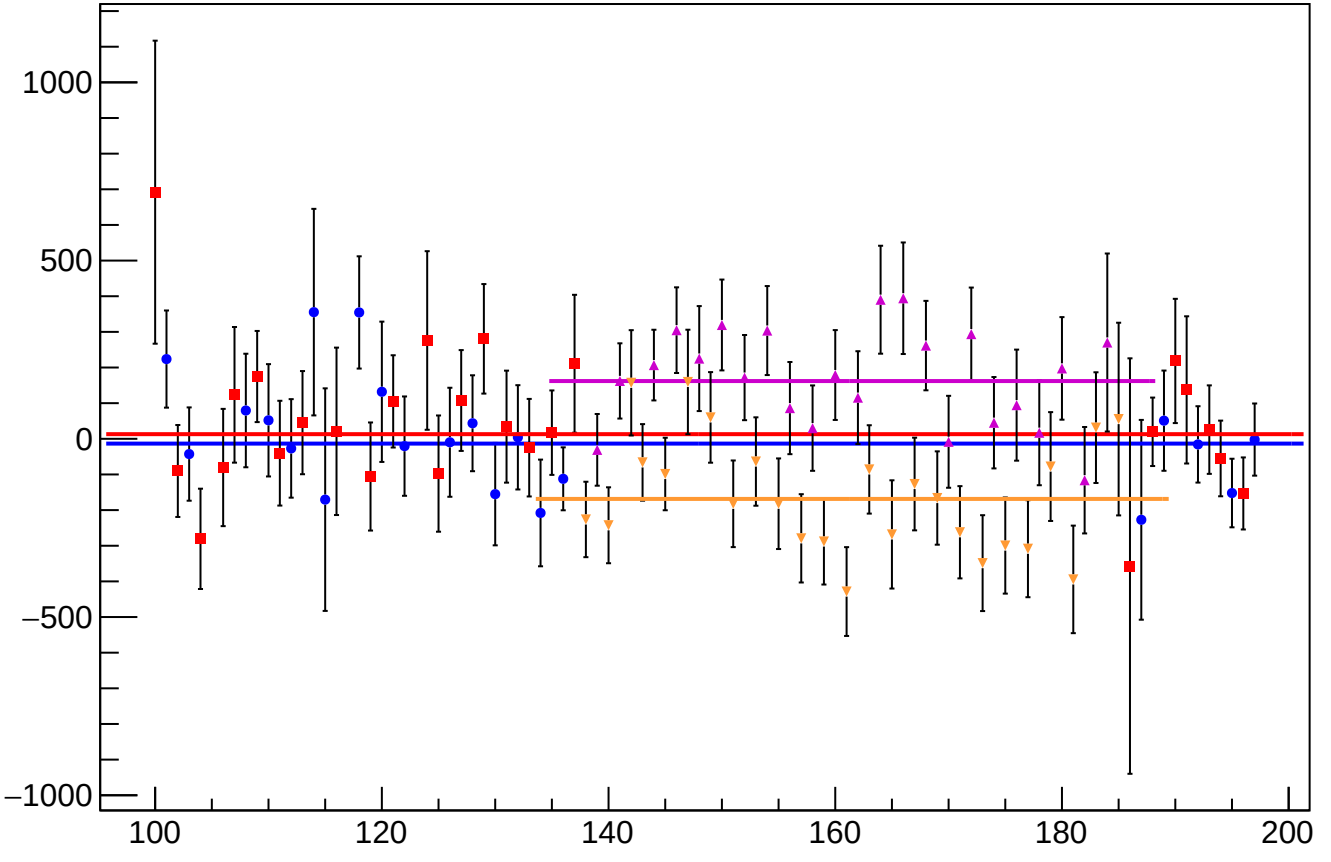
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 673.478+/-0.088 χ^2/NDF: 1430295.9/45

All: 668.783+/-0.062 χ^2/NDF: 3813248.3/94

- sign 664.182+/-0.087 χ^2/NDF: 2377362.4/48

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -13.437+/-30.063 χ^2/NDF: 18.5/20

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 13.048+/-28.696 χ^2/NDF: 22.6/25

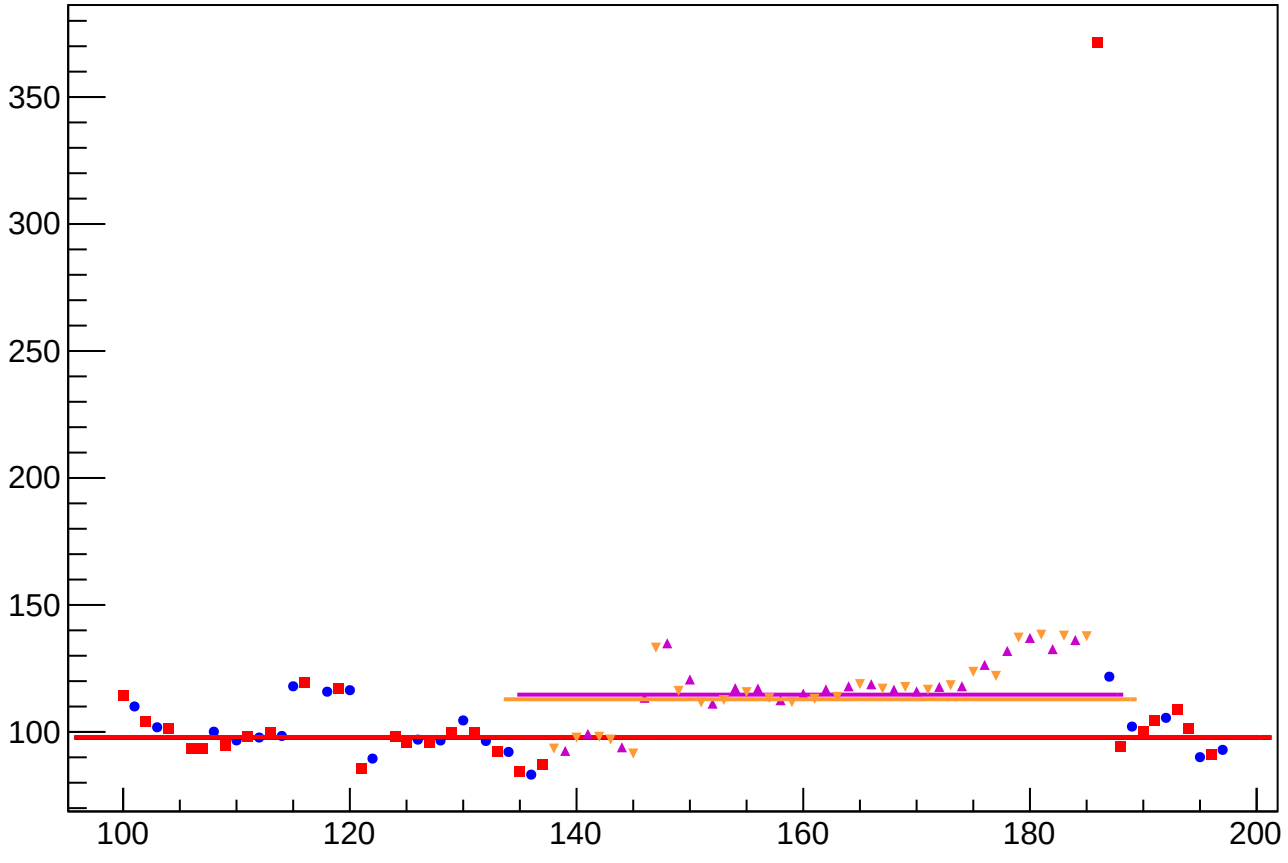
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -102.754+/-19.587 χ^2/NDF: 66.2/45

All: -5.552+/-13.870 χ^2/NDF: 176.1/94

- sign 92.214+/-19.644 χ^2/NDF: 60.5/48

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.670+/-0.021 χ^2/NDF: 185117.7/20

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

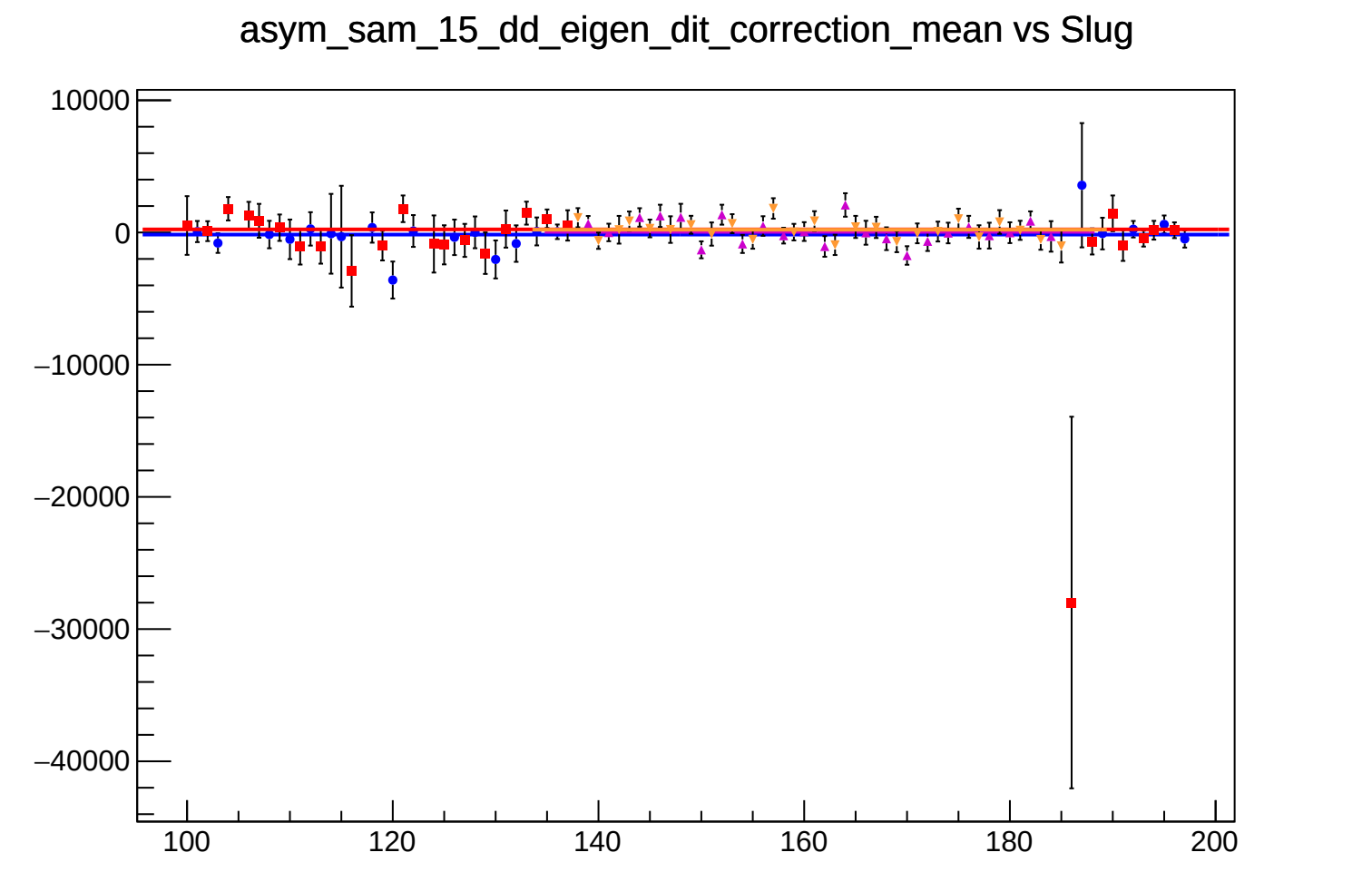
Right Out: 98.019+/-0.020 χ^2/NDF: 588600.6/25

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 106.406+/-0.014 χ^2/NDF: 990814.1/45

All: 106.638+/-0.010 χ^2/NDF: 2348049.1/94

- sign 106.871+/-0.014 χ^2/NDF: 1356673.1/48



Right In: -159.291+/-214.023 χ^2/NDF: 12.1/20

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 233.990+/-199.887 χ^2/NDF: 25.4/25

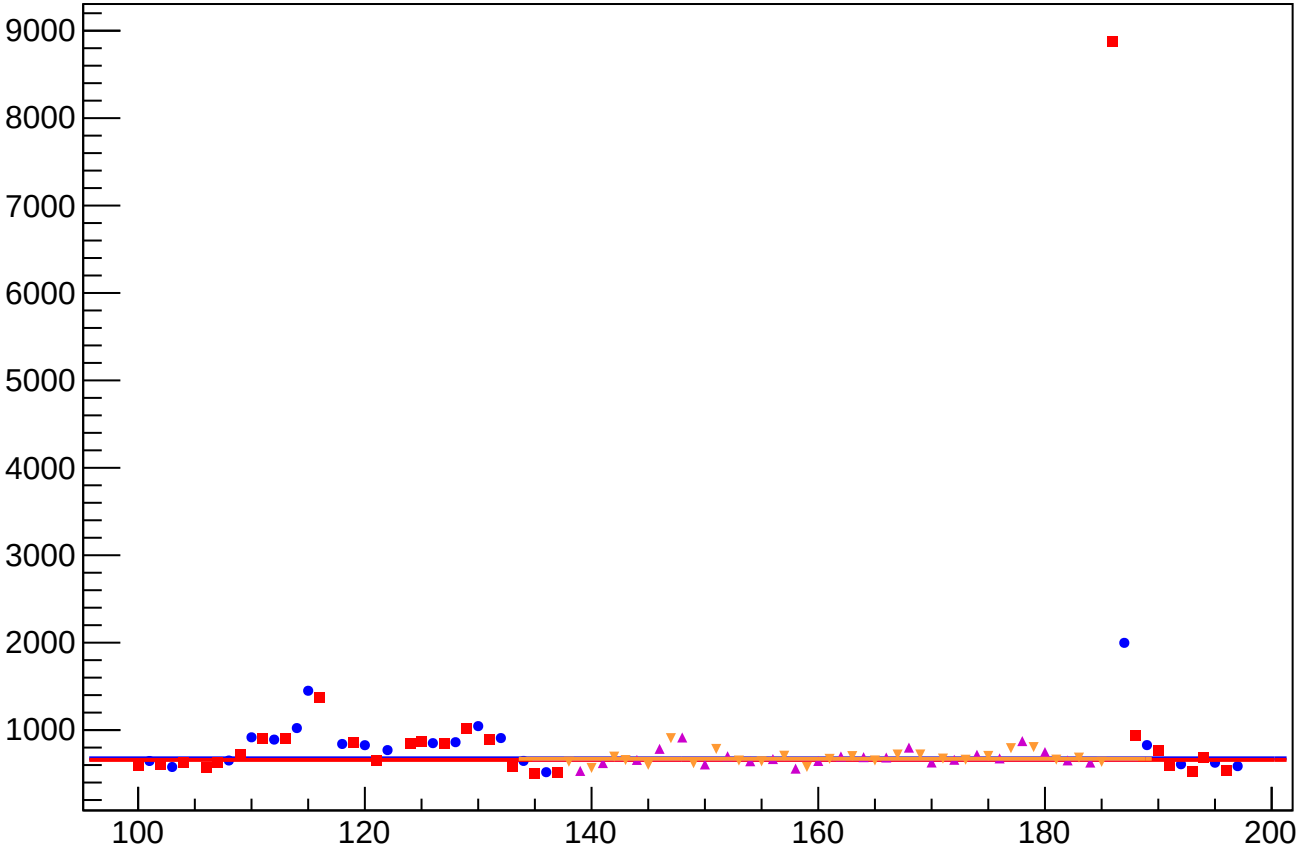
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 83.693+/-124.963 χ^2/NDF: 33.0/45

All: 102.350+/-87.914 χ^2/NDF: 92.3/94

- sign 120.632+/-123.704 χ^2/NDF: 59.2/48

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 676.626+/-0.151 χ^2/NDF: 1030481.1/20

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 659.091+/-0.141 χ^2/NDF: 1828360.5/25

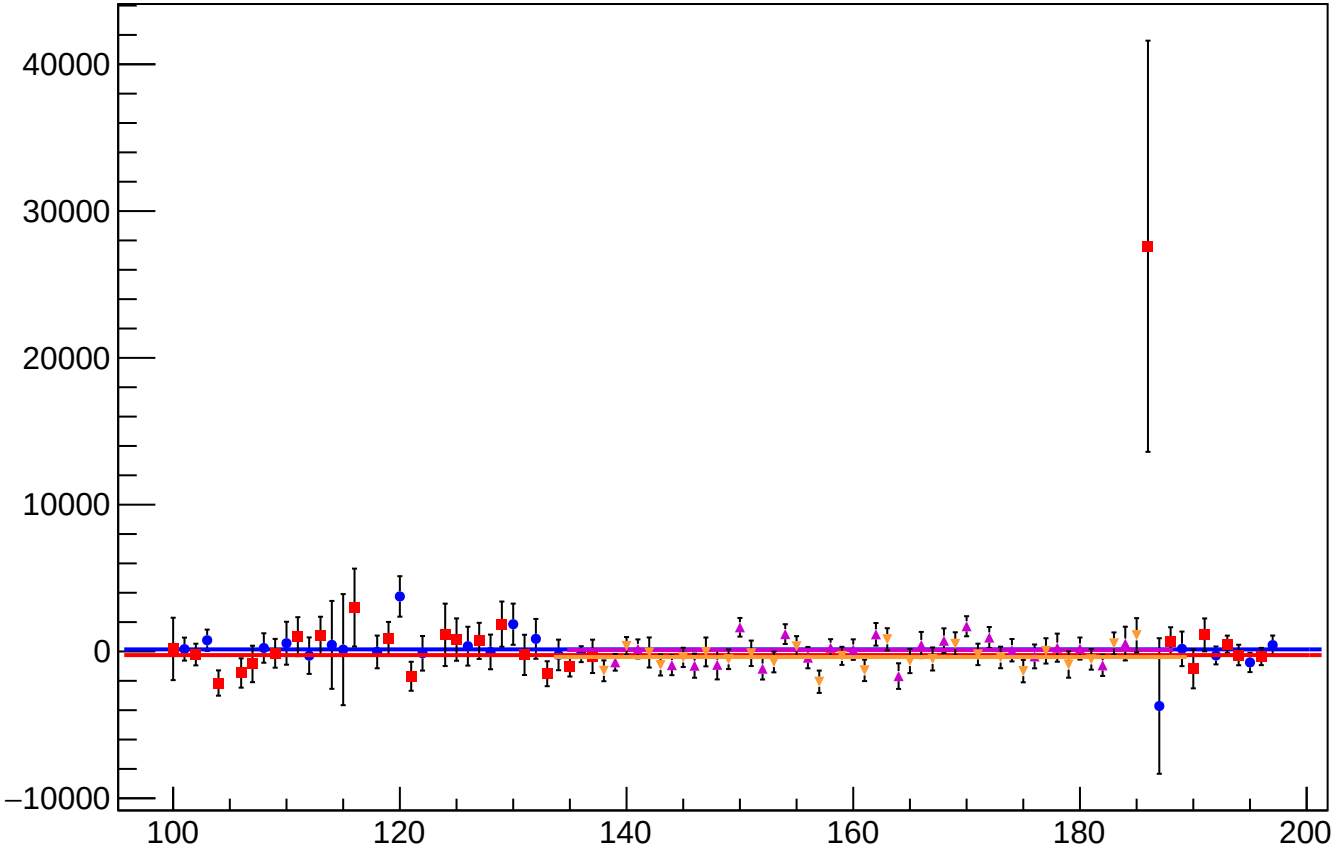
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 673.478+/-0.088 χ^2/NDF: 1430298.1/45

All: 668.783+/-0.062 χ^2/NDF: 3813257.0/94

- sign 664.182+/-0.087 χ^2/NDF: 2377369.0/48

asym_sam_15_dd_mean vs Slug



Right In: 142.224+/-209.926 χ^2/NDF: 13.4/20

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -246.696+/-195.685 χ^2/NDF: 28.7/25

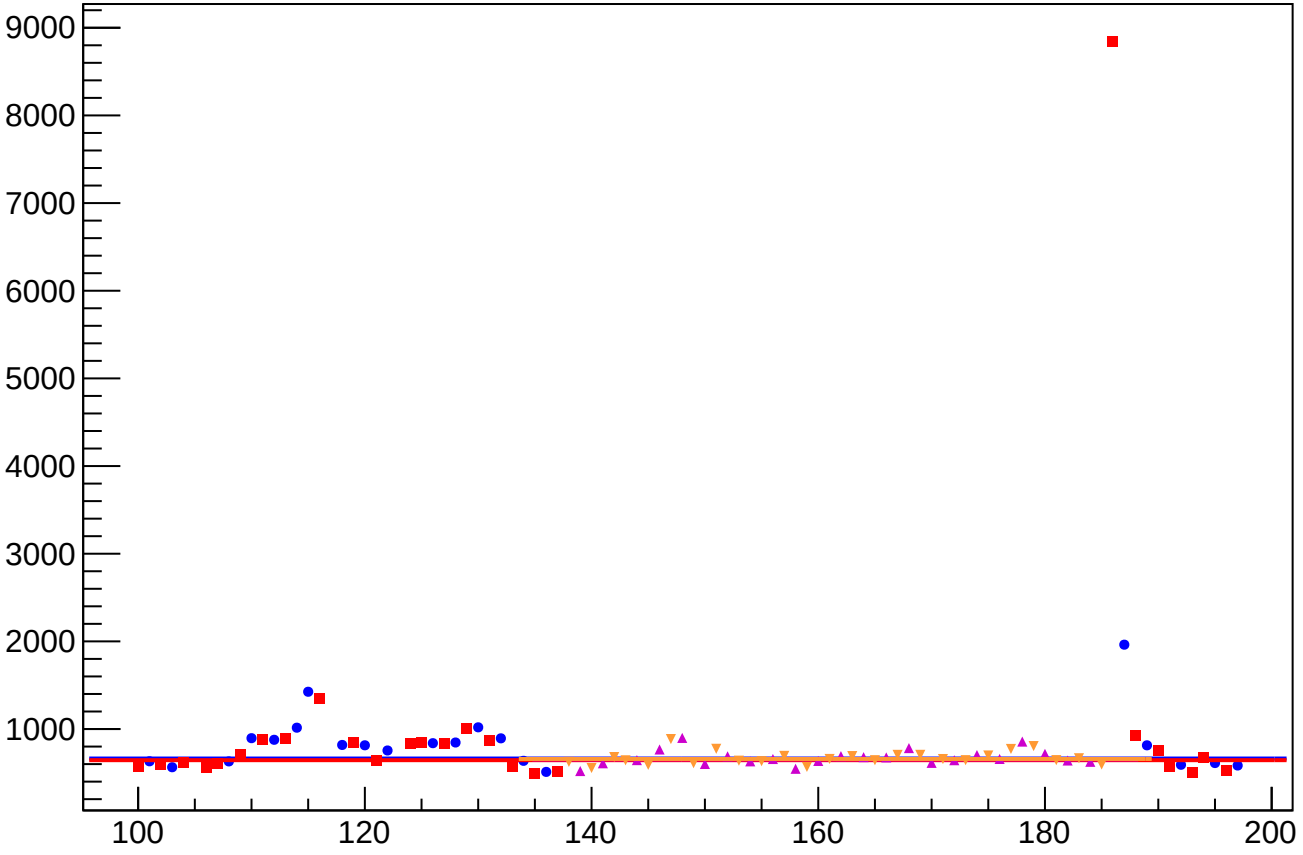
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -200.178+/-122.556 χ^2/NDF: 38.8/45

All: -114.587+/-86.170 χ^2/NDF: 106.0/94

- sign -30.907+/-121.181 χ^2/NDF: 66.2/48

asym_sam_15_dd_rms vs Slug



Right In: 663.580+/-0.148 χ^2/NDF: 1025430.2/20

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

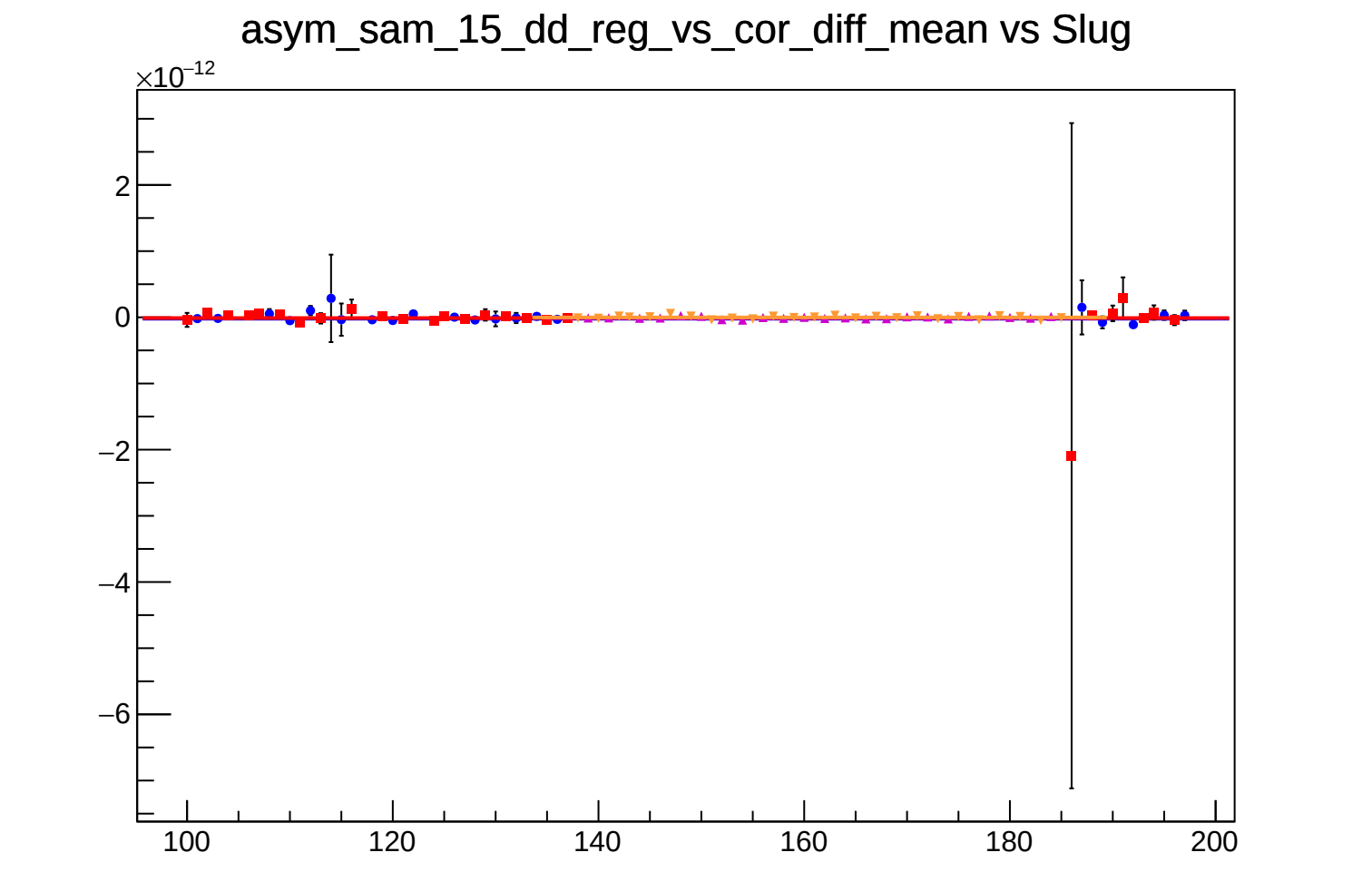
Right Out: 644.781+/-0.138 χ^2/NDF: 1851214.7/25

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 660.345+/-0.087 χ^2/NDF: 1435834.9/45

All: 655.333+/-0.061 χ^2/NDF: 3838449.0/94

- sign 650.434+/-0.086 χ^2/NDF: 2396000.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

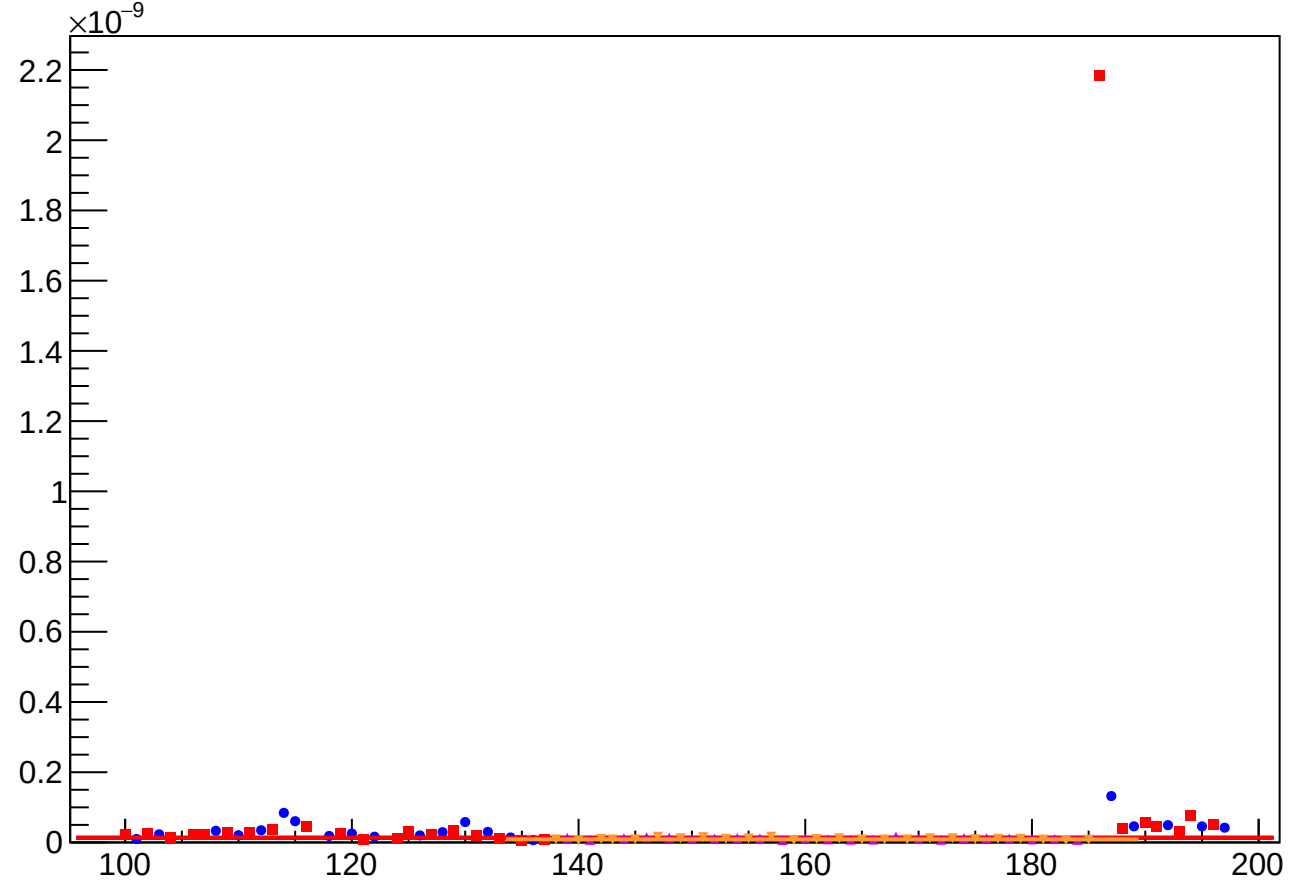
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/25

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

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/45

All: -0.000+/-0.000 χ^2/NDF: 86.4/94

- sign -0.000+/-0.000 χ^2/NDF: 35.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 3934989.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4753167.4/25

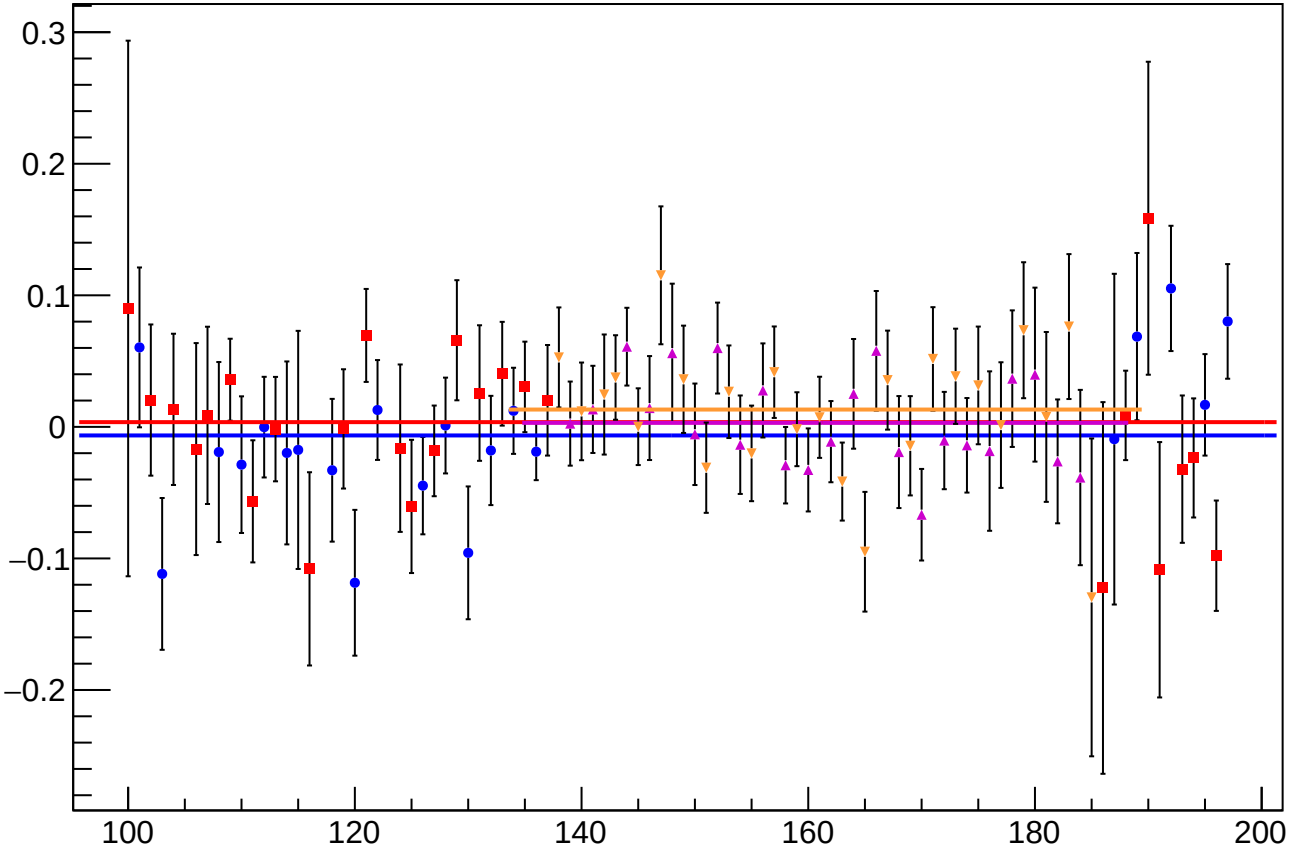
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5491263.0/45

All: 0.000+/-0.000 χ^2/NDF: 11394512.9/94

- sign 0.000+/-0.000 χ^2/NDF: 5758652.4/48

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.010 χ^2/NDF: 25.6/20

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.004+/-0.009 χ^2/NDF: 25.2/25

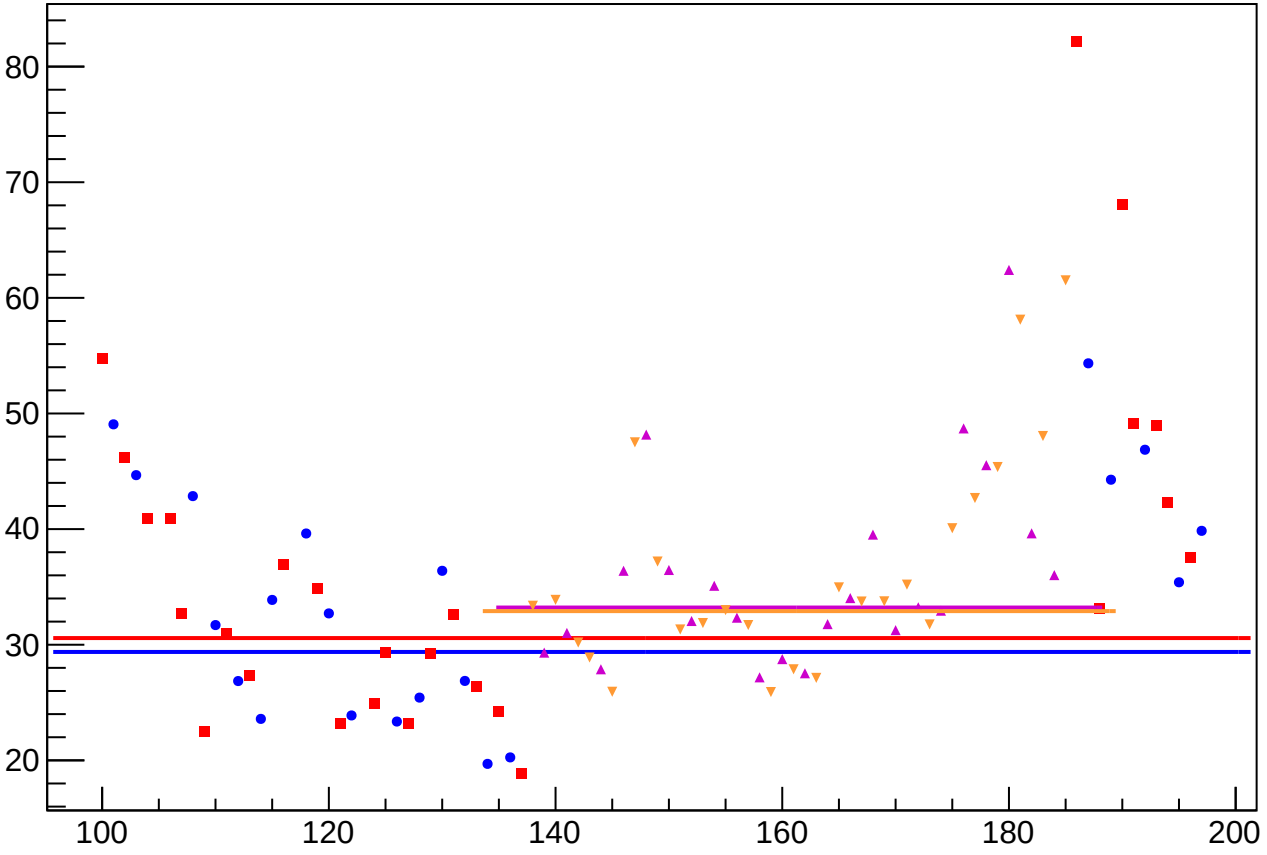
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

\+ sign 0.005+/-0.006 χ^2/NDF: 53.6/45

All: 0.004+/-0.004 χ^2/NDF: 98.0/94

\- sign 0.003+/-0.006 χ^2/NDF: 44.4/48

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.376+/-0.007 χ^2/NDF: 1855733.5/20

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

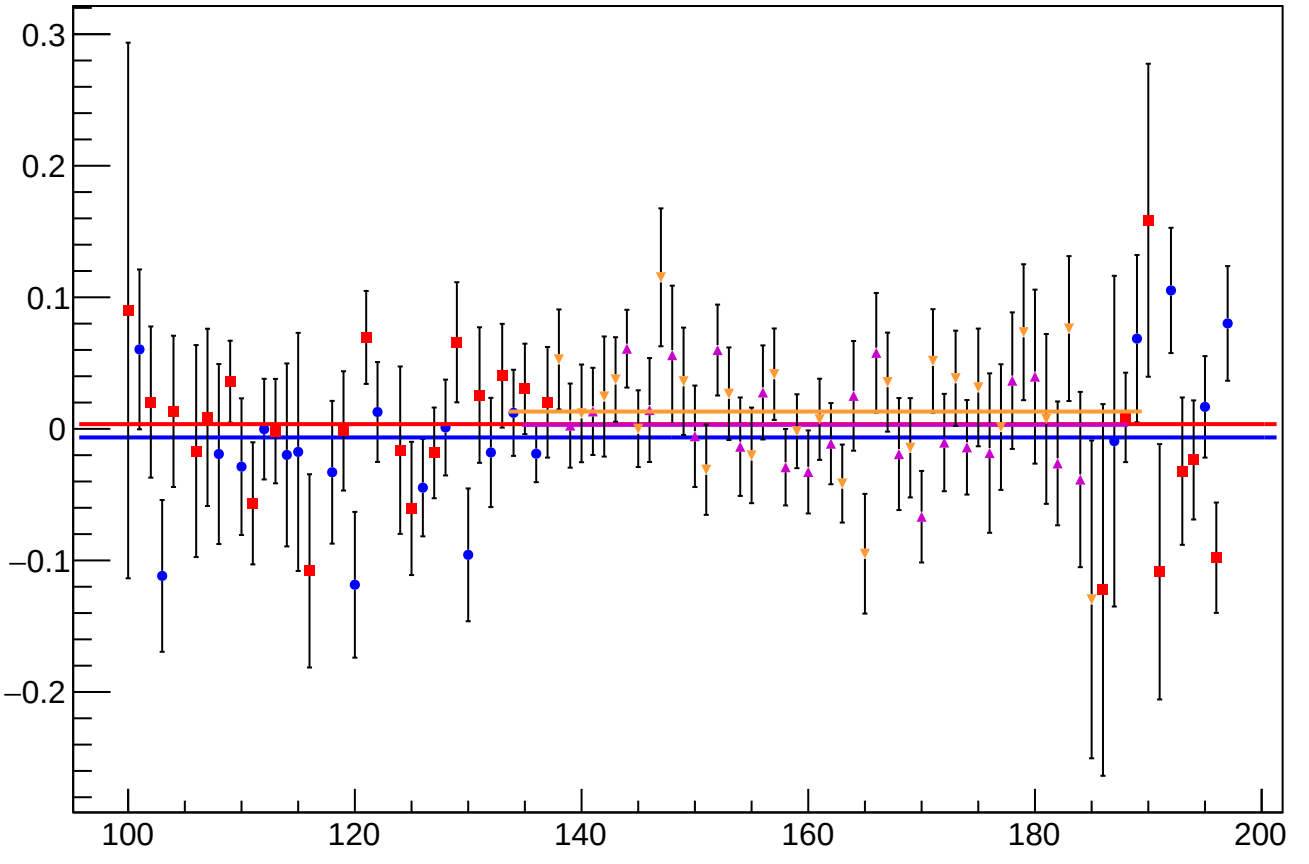
Right Out: 30.577+/-0.007 χ^2/NDF: 1856242.7/25

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.518+/-0.004 χ^2/NDF: 3450106.2/45

All: 31.808+/-0.003 χ^2/NDF: 6629879.3/94

\- sign 32.105+/-0.004 χ^2/NDF: 3170239.5/48



Right In: -0.007+/-0.010 χ^2/NDF: 25.6/20

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

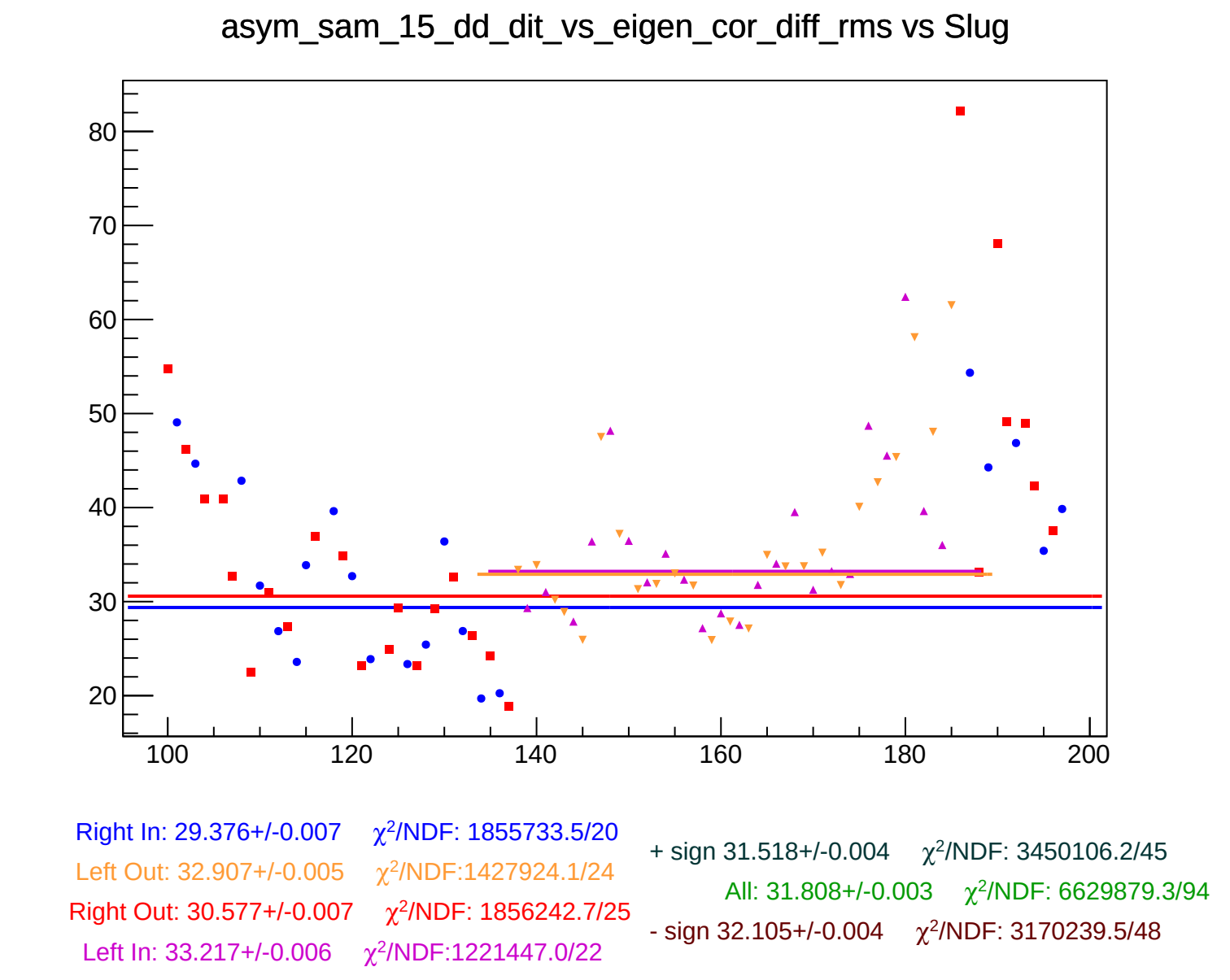
Right Out: 0.004+/-0.009 χ^2/NDF: 25.2/25

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.005+/-0.006 χ^2/NDF: 53.6/45

All: 0.004+/-0.004 χ^2/NDF: 98.0/94

- sign 0.003+/-0.006 χ^2/NDF: 44.4/48


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug
80
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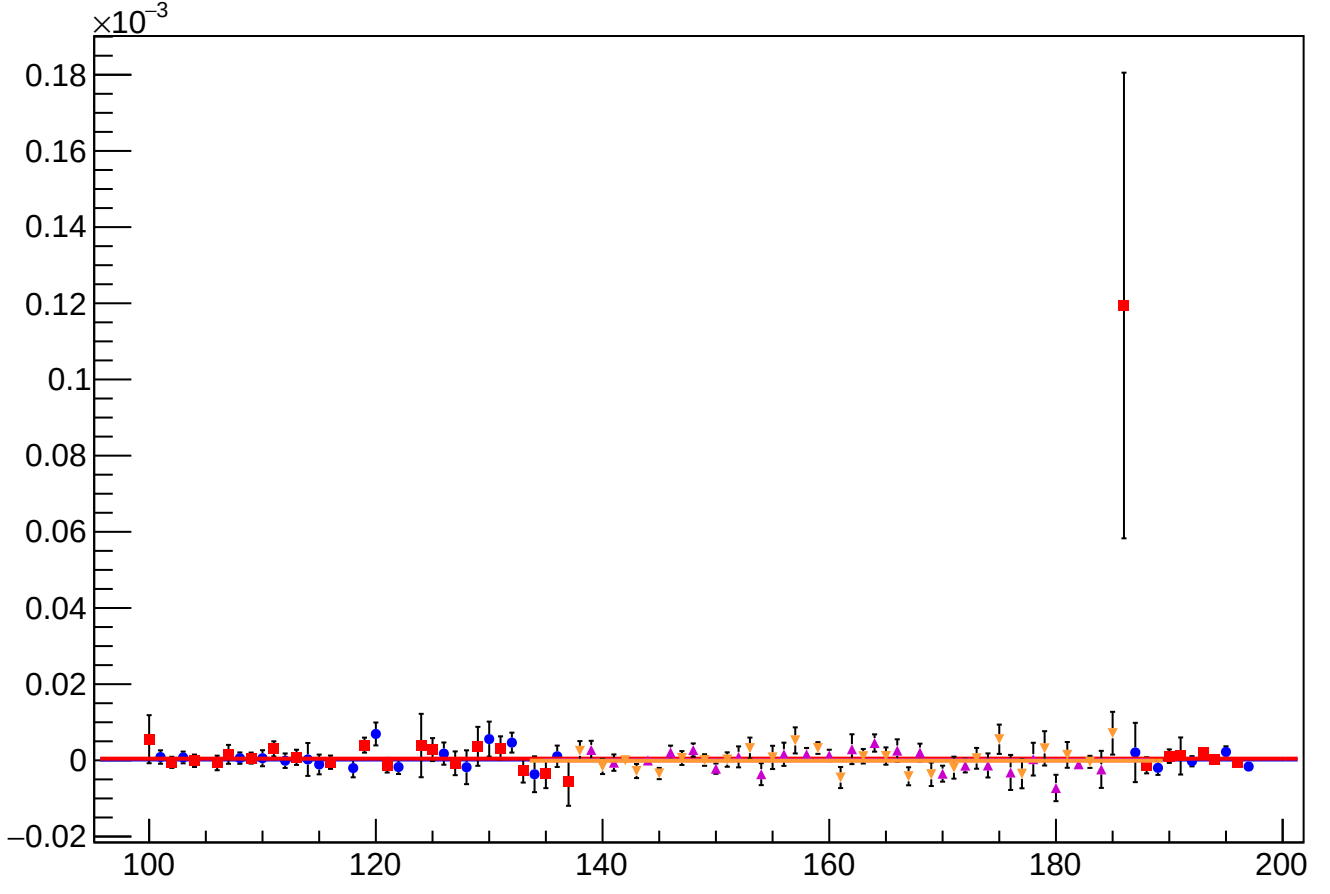
Right In: 29.376+/-0.007 χ²/NDF: 1855733.5/20
Left Out: 32.907+/-0.005 χ²/NDF:1427924.1/24
Right Out: 30.577+/-0.007 χ²/NDF: 1856242.7/25
Left In: 33.217+/-0.006 χ²/NDF:1221447.0/22
+ sign 31.518+/-0.004 χ²/NDF: 3450106.2/45
All: 31.808+/-0.003 χ²/NDF: 6629879.3/94
- sign 32.105+/-0.004 χ²/NDF: 3170239.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/25

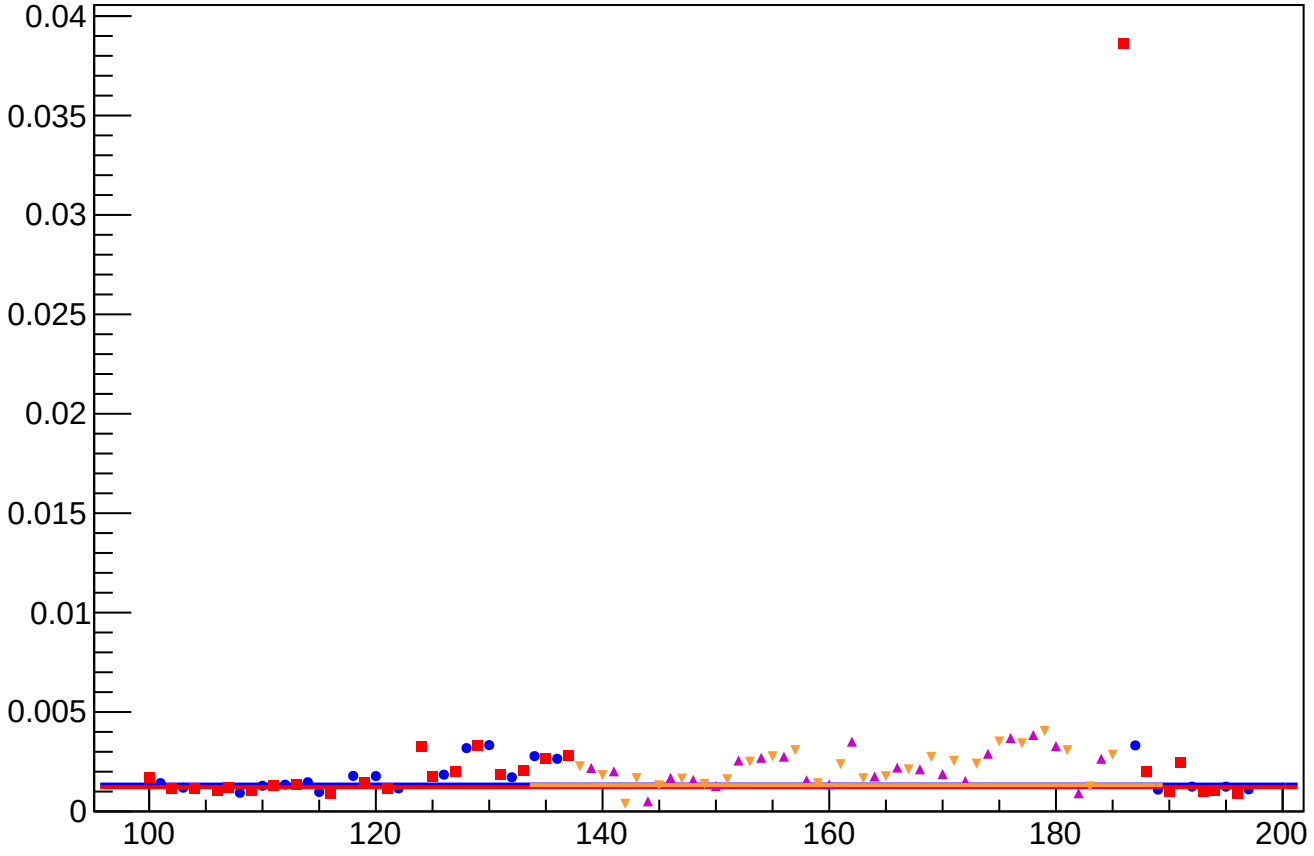
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/45

All: 0.000+/-0.000 χ^2/NDF: 98.3/94

- sign 0.000+/-0.000 χ^2/NDF: 48.1/48

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2030383.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

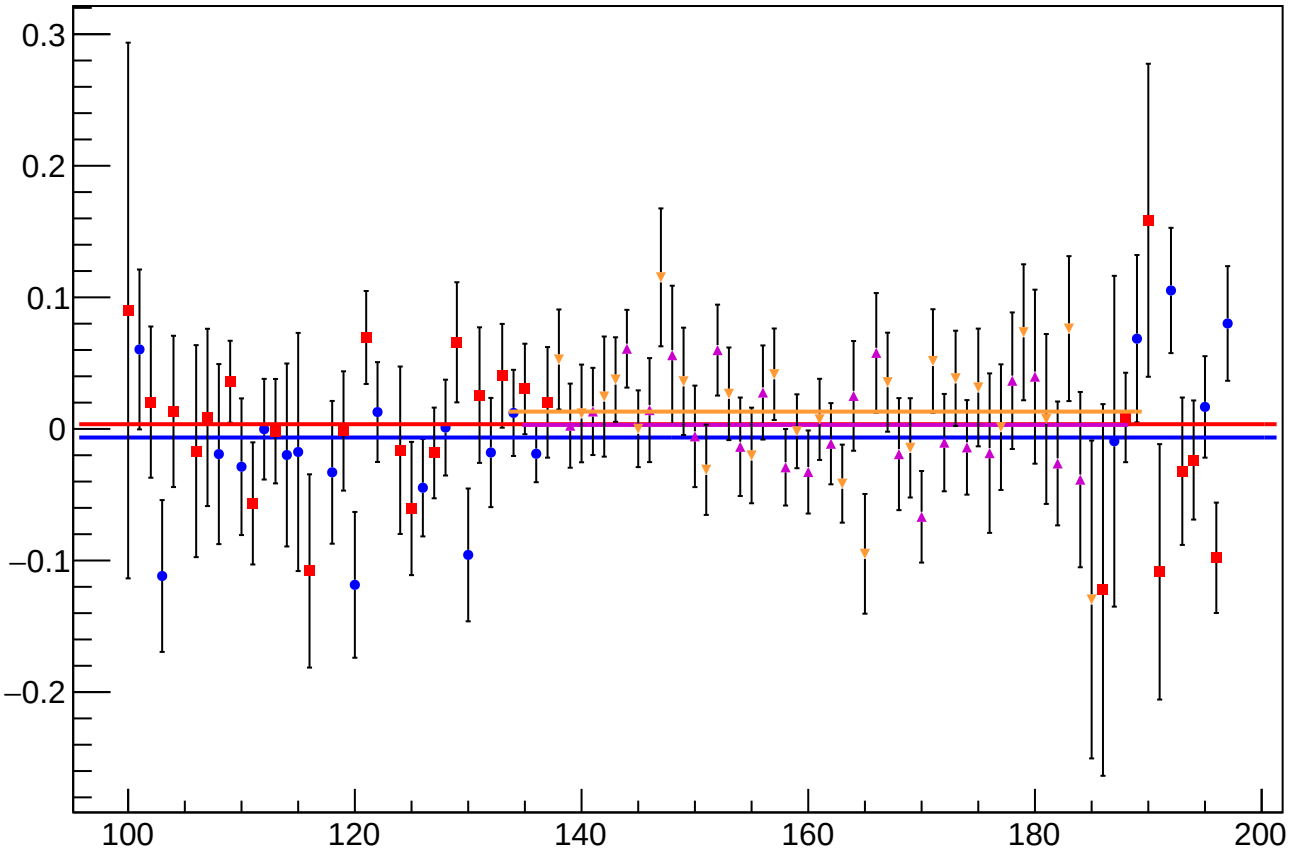
Right Out: 0.001+/-0.000 χ^2/NDF: 2982597.8/25

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13194066.9/45

All: 0.001+/-0.000 χ^2/NDF: 26174313.4/94

- sign 0.001+/-0.000 χ^2/NDF: 12879953.0/48



Right In: -0.007+/-0.010 χ^2/NDF: 25.6/20

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

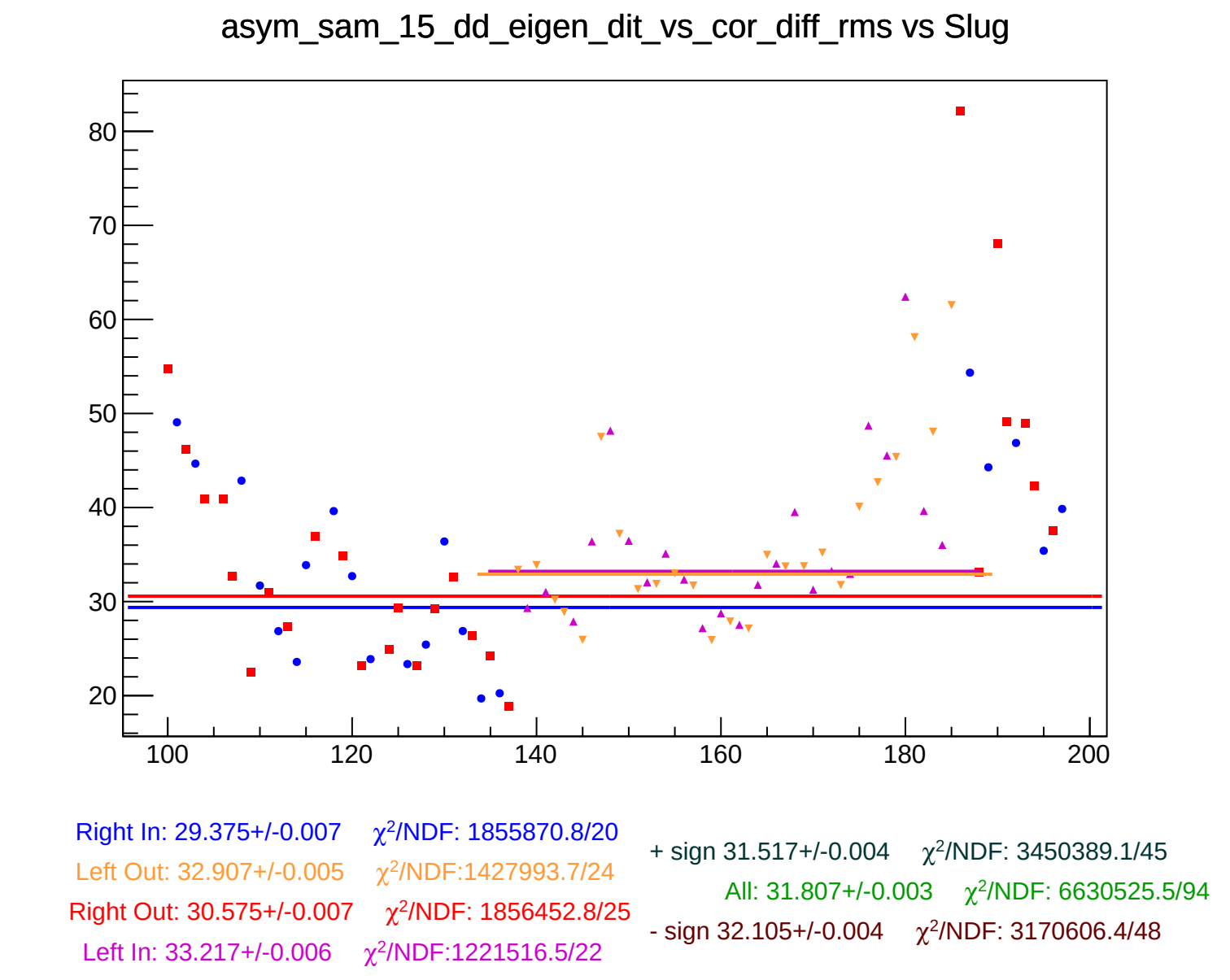
Right Out: 0.004+/-0.009 χ^2/NDF: 25.2/25

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.005+/-0.006 χ^2/NDF: 53.6/45

All: 0.004+/-0.004 χ^2/NDF: 98.0/94

- sign 0.003+/-0.006 χ^2/NDF: 44.4/48


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
80
70
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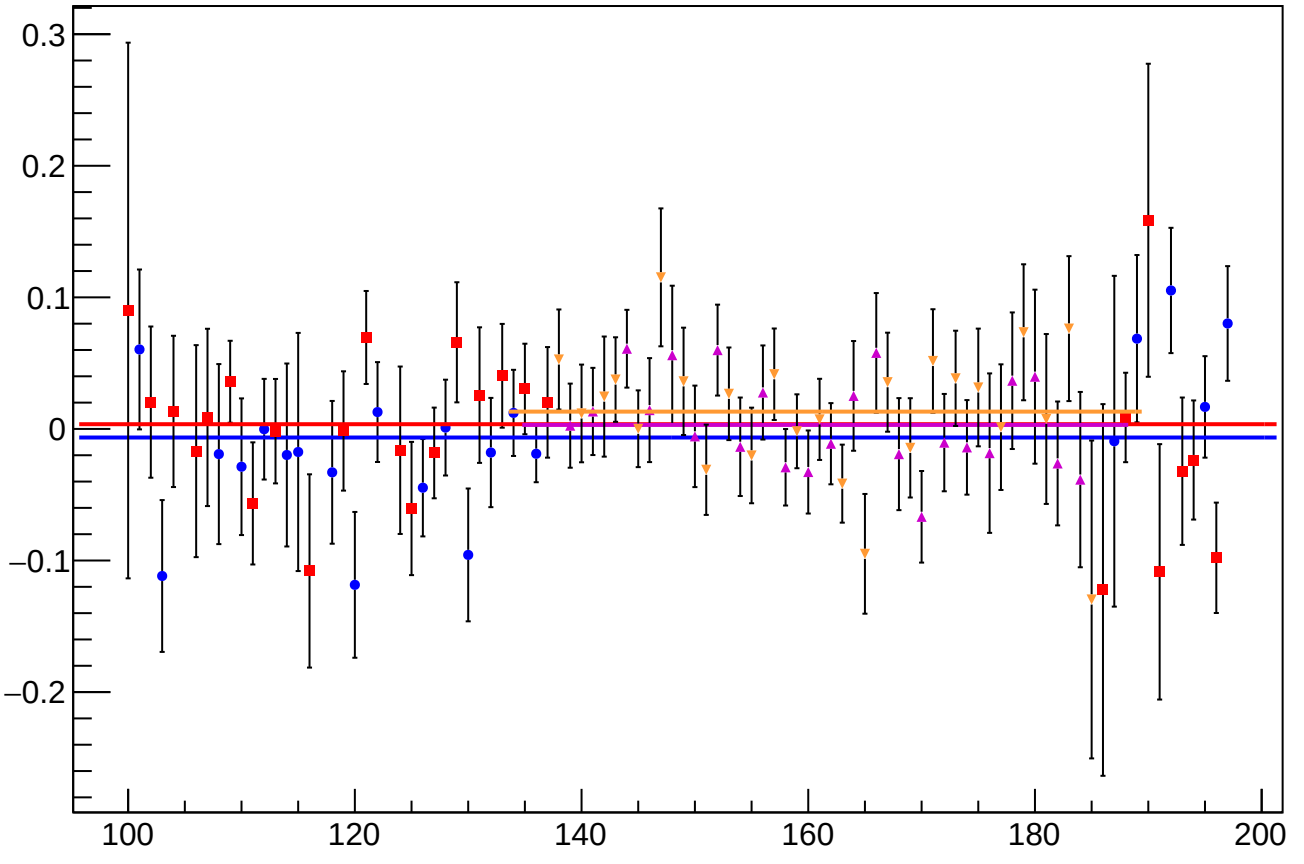
160
180
200
Right In: 29.375+/-0.007 χ²/NDF: 1855870.8/20
Left Out: 32.907+/-0.005 χ²/NDF:1427993.7/24
Right Out: 30.575+/-0.007 χ²/NDF: 1856452.8/25
Left In: 33.217+/-0.006 χ²/NDF:1221516.5/22
+ sign 31.517+/-0.004 χ²/NDF: 3450389.1/45
All: 31.807+/-0.003 χ²/NDF: 6630525.5/94
- sign 32.105+/-0.004 χ²/NDF: 3170606.4/48



Right In: -0.007+/-0.010 χ^2/NDF: 25.6/20

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

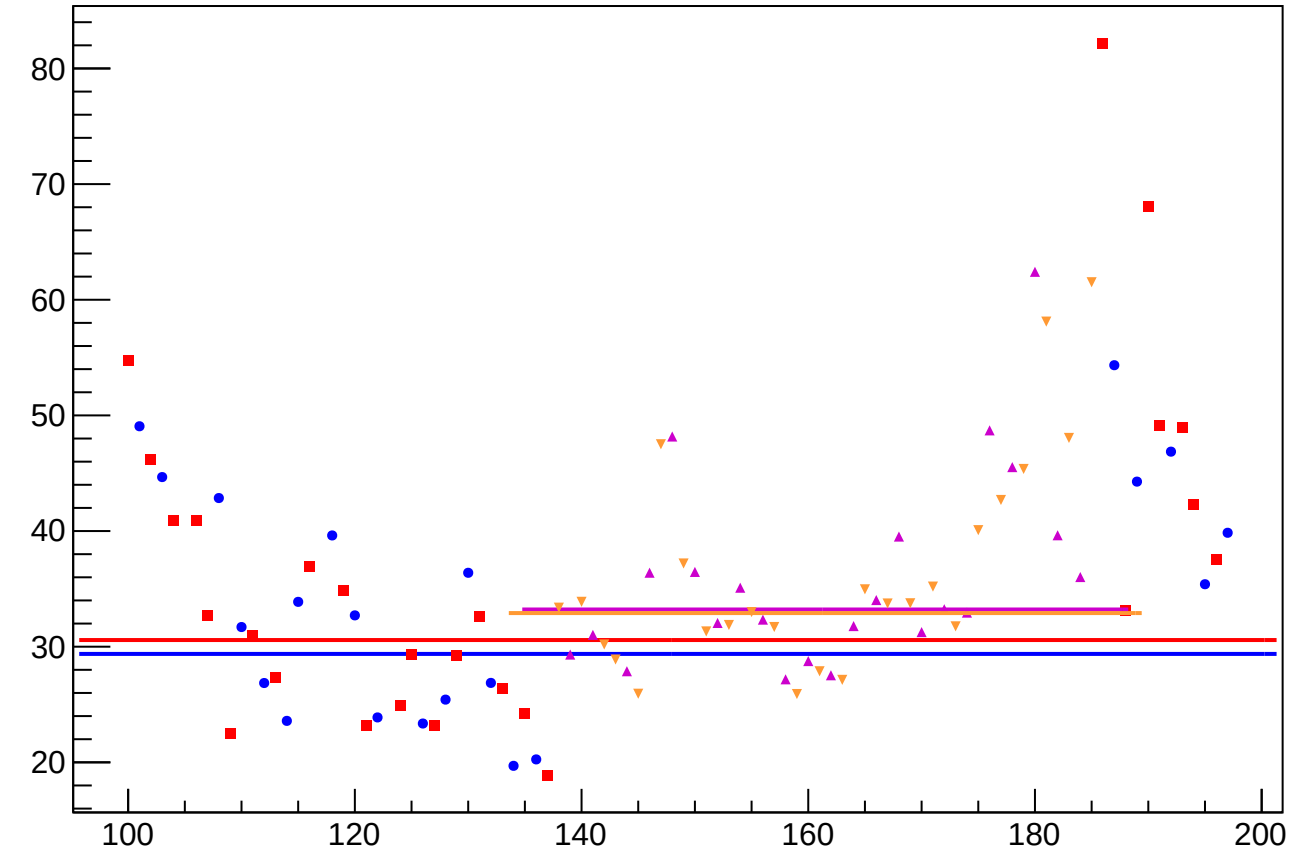
Right Out: 0.004+/-0.009 χ^2/NDF: 25.2/25

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.005+/-0.006 χ^2/NDF: 53.6/45

All: 0.004+/-0.004 χ^2/NDF: 98.0/94

- sign 0.003+/-0.006 χ^2/NDF: 44.4/48



Right In: 29.375+/-0.007 χ^2/NDF: 1855870.8/20

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

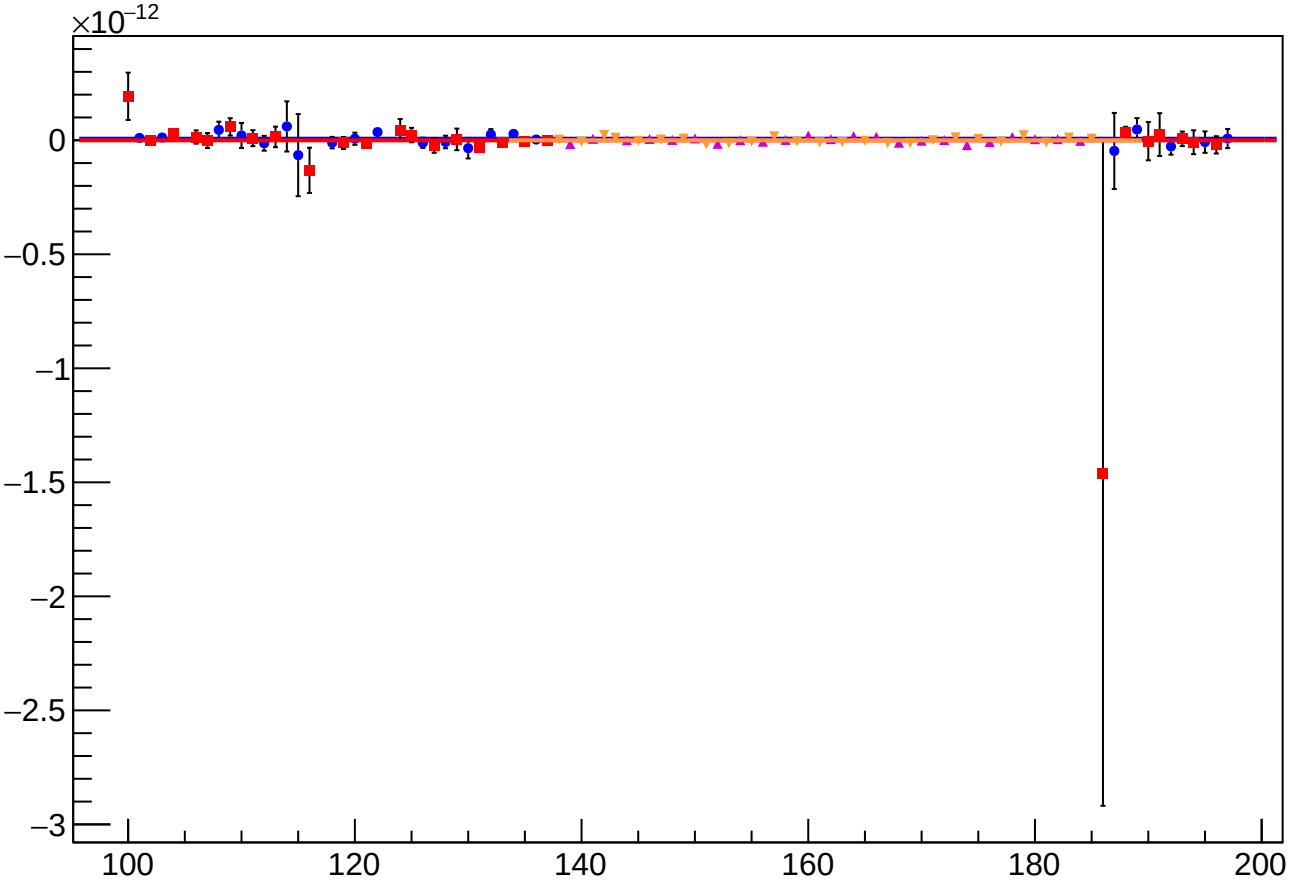
Right Out: 30.575+/-0.007 χ^2/NDF: 1856452.8/25

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.517+/-0.004 χ^2/NDF: 3450389.1/45

All: 31.807+/-0.003 χ^2/NDF: 6630525.5/94

- sign 32.105+/-0.004 χ^2/NDF: 3170606.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 10.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

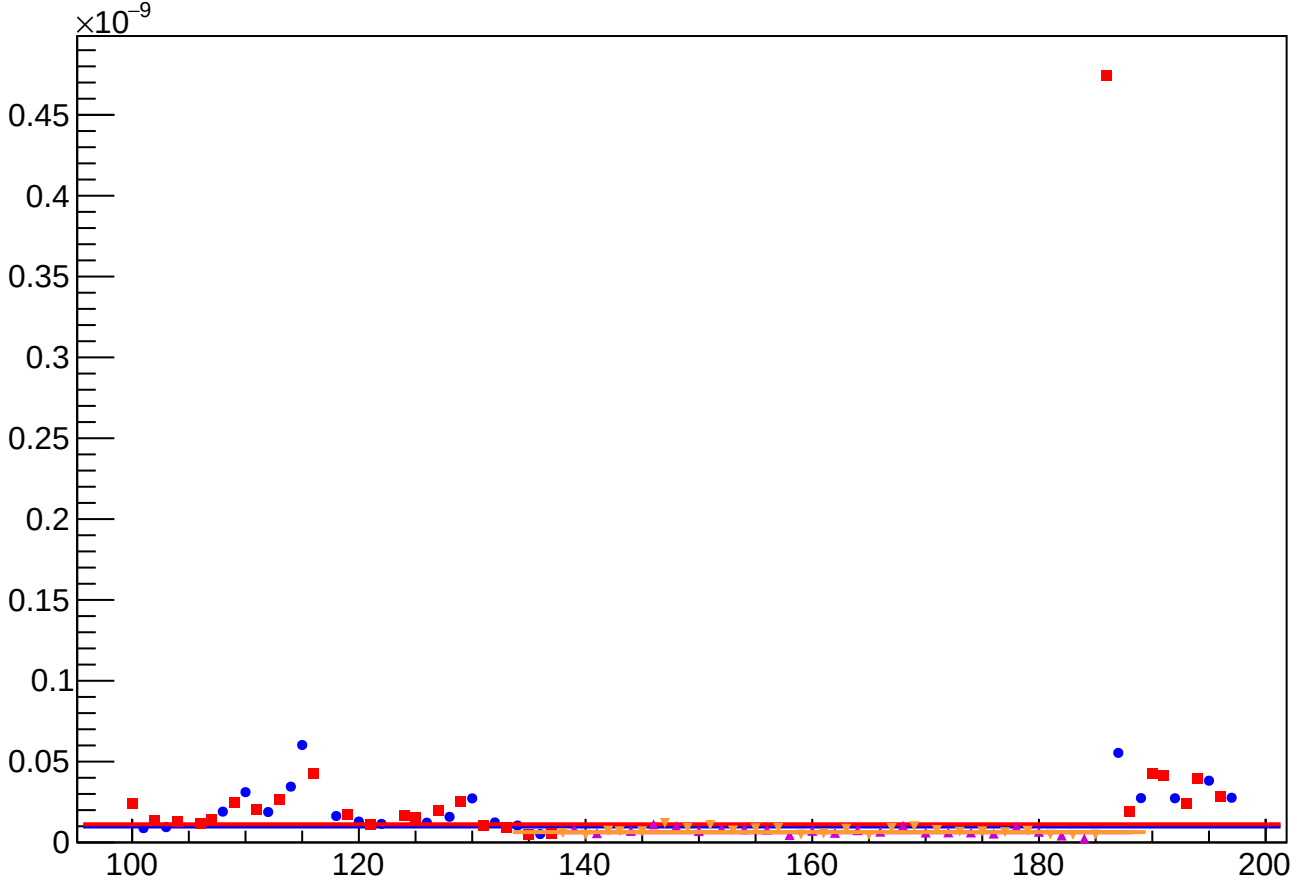
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/25

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/45

All: 0.000+/-0.000 χ^2/NDF: 86.9/94

- sign 0.000+/-0.000 χ^2/NDF: 43.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 4433444.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4988770.9/25

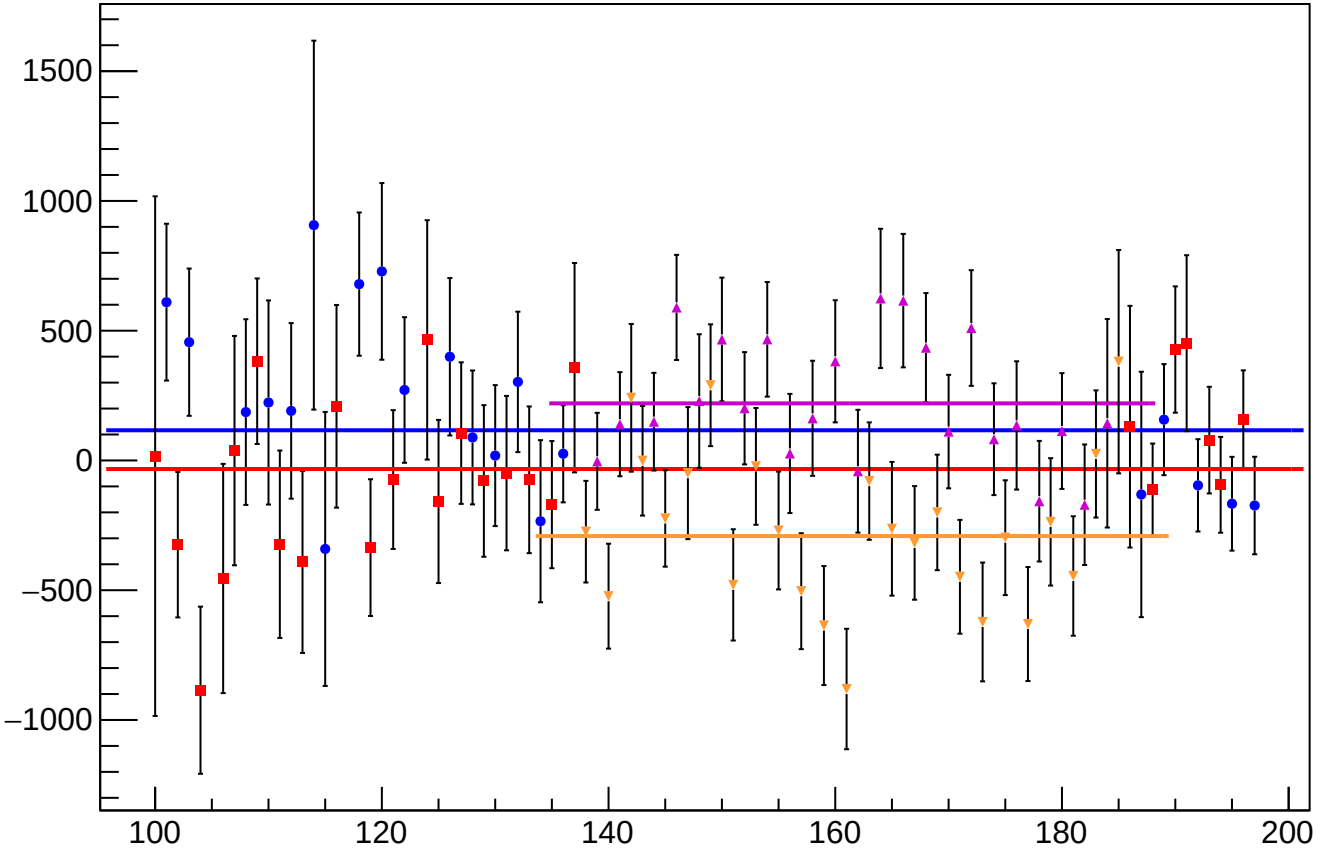
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7331220.3/45

All: 0.000+/-0.000 χ^2/NDF: 16328063.9/94

- sign 0.000+/-0.000 χ^2/NDF: 8994951.4/48

reg_asym_sam_26_dd_mean vs Slug



Right In: 116.287+/-58.198 χ^2/NDF: 23.5/20

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -32.965+/-55.611 χ^2/NDF: 24.4/25

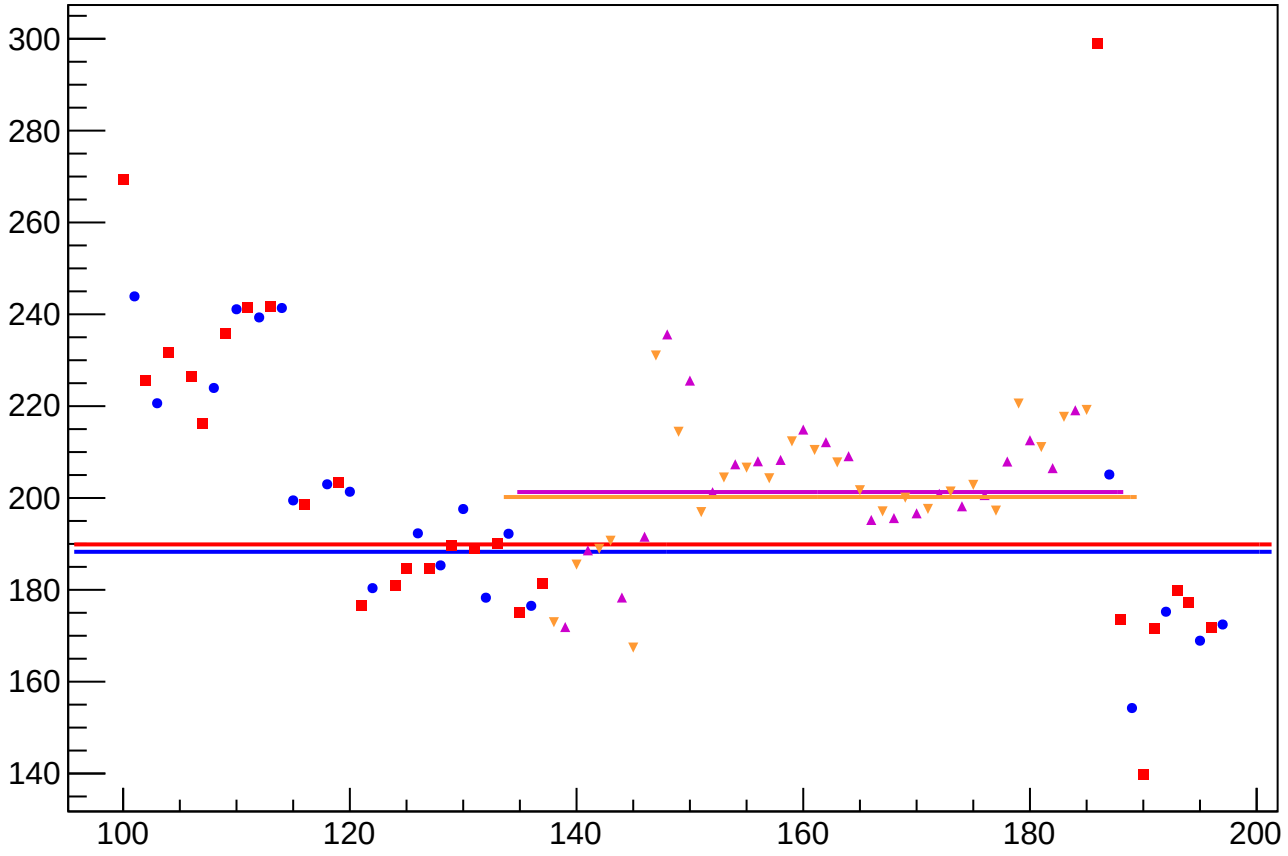
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -136.206+/-35.901 χ^2/NDF: 90.3/45

All: -11.214+/-25.407 χ^2/NDF: 174.7/94

- sign 114.201+/-35.962 χ^2/NDF: 60.1/48

reg_asym_sam_26_dd_rms vs Slug



Right In: 188.282+/-0.041 χ^2/NDF: 332478.4/20

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 189.891+/-0.039 χ^2/NDF: 496060.7/25

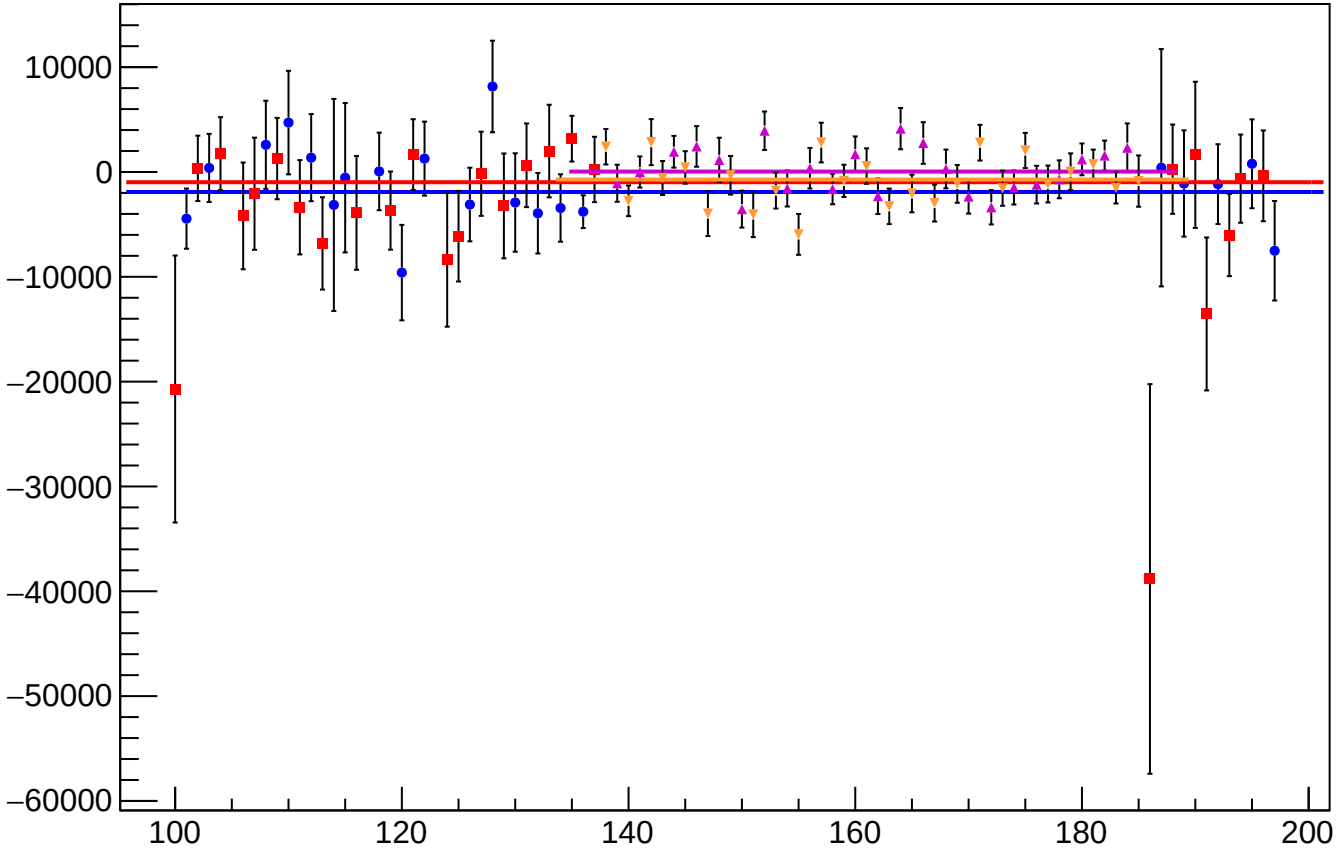
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 195.671+/-0.025 χ^2/NDF: 588915.9/45

All: 196.098+/-0.018 χ^2/NDF: 1316146.3/94

- sign 196.528+/-0.025 χ^2/NDF: 726662.0/48

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1908.953+/-797.953 χ^2/NDF: 18.2/20

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -975.751+/-815.000 χ^2/NDF: 23.8/25

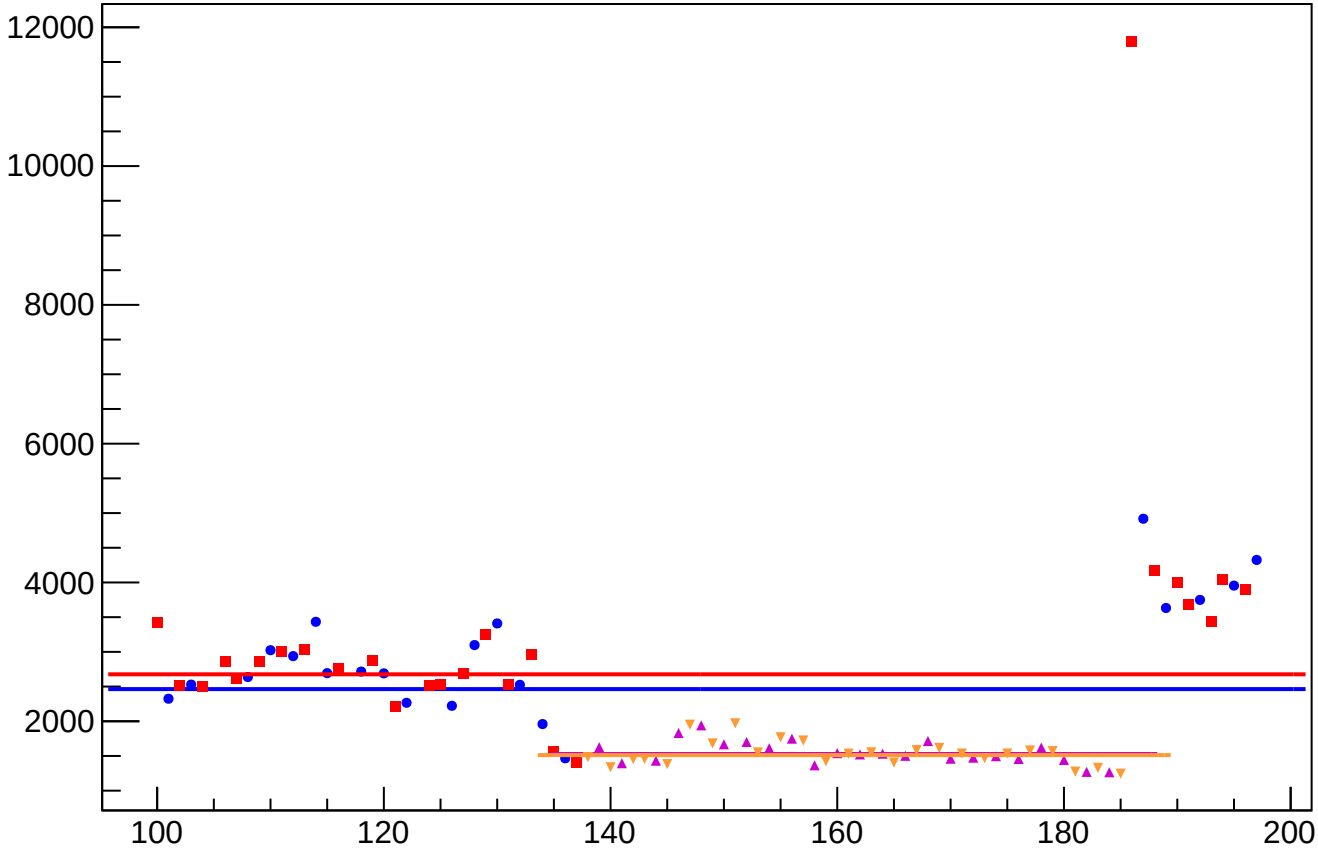
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -909.099+/-317.732 χ^2/NDF: 58.3/45

All: -530.819+/-228.464 χ^2/NDF: 120.8/94

- sign -125.871+/-328.742 χ^2/NDF: 59.6/48

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2463.611+/-0.564 χ^2/NDF: 2080099.4/20

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2676.661+/-0.576 χ^2/NDF: 2273844.4/25

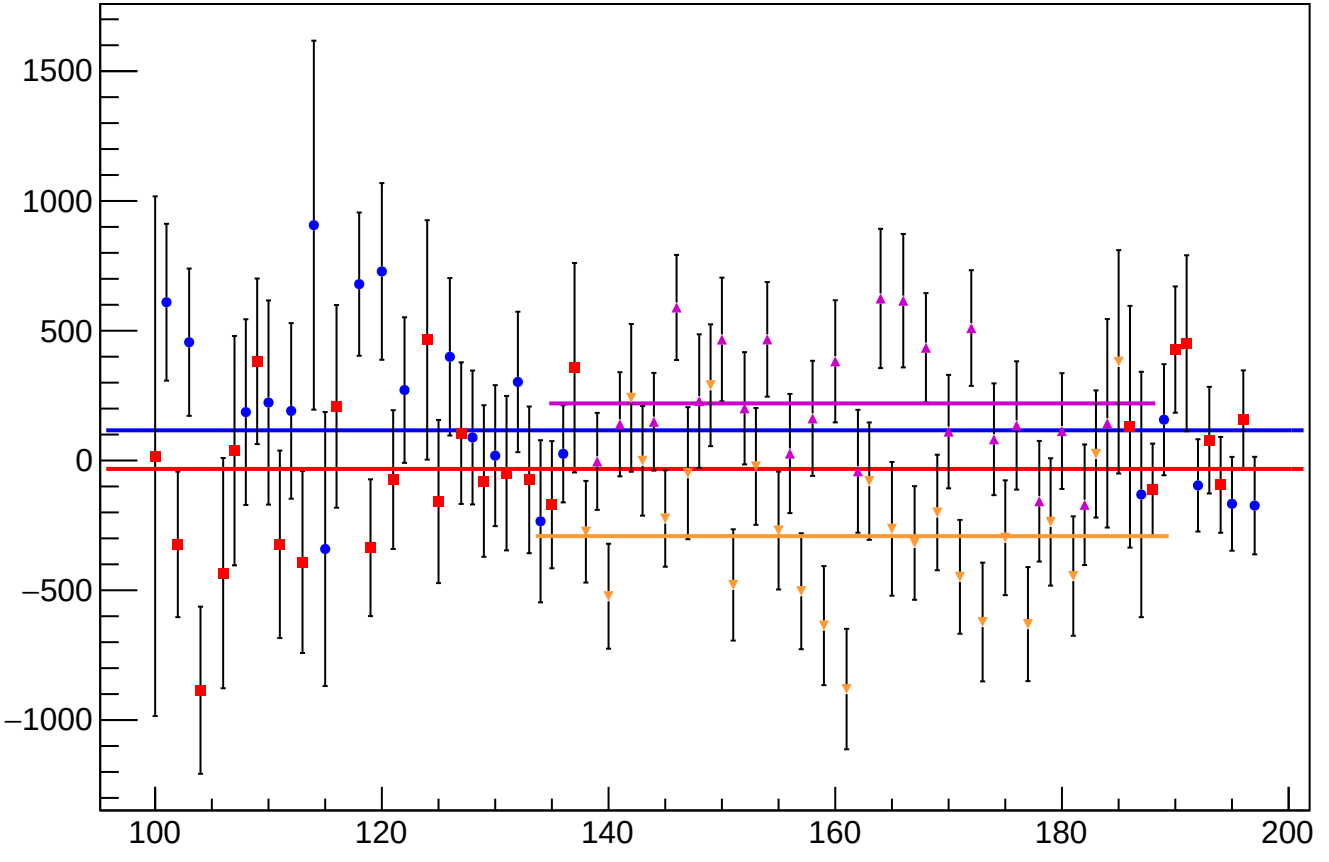
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1663.185+/-0.225 χ^2/NDF: 4914260.4/45

All: 1688.143+/-0.162 χ^2/NDF: 10914132.1/9

- sign 1714.860+/-0.232 χ^2/NDF: 5974322.2/48

cor_asym_sam_26_dd_mean vs Slug



Right In: 116.286+/-58.198 χ^2/NDF: 23.5/20

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -32.508+/-55.615 χ^2/NDF: 24.2/25

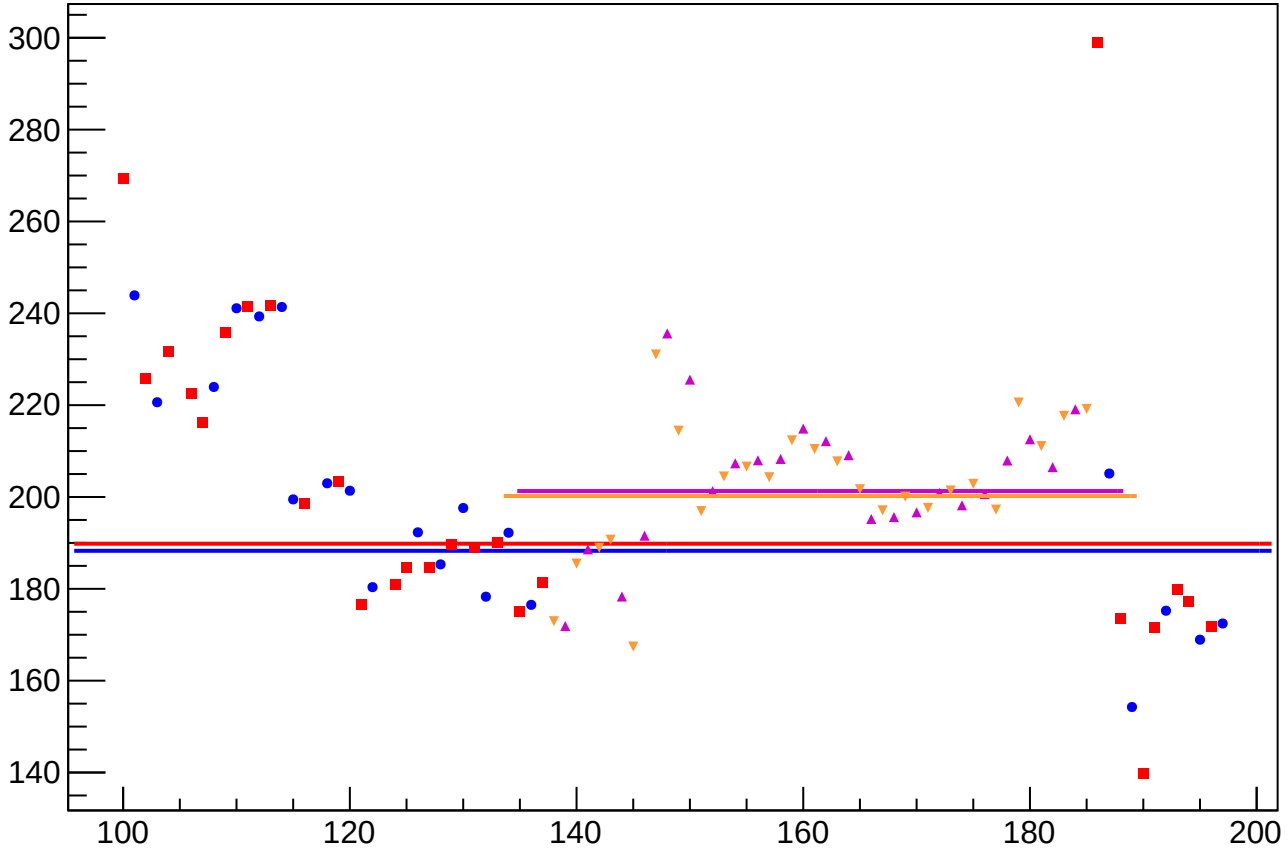
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -136.208+/-35.901 χ^2/NDF: 90.3/45

All: -11.117+/-25.408 χ^2/NDF: 174.5/94

- sign 114.407+/-35.963 χ^2/NDF: 60.0/48

cor_asym_sam_26_dd_rms vs Slug



Right In: 188.282+/-0.041 χ^2/NDF: 332478.9/20

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 189.826+/-0.039 χ^2/NDF: 493277.4/25

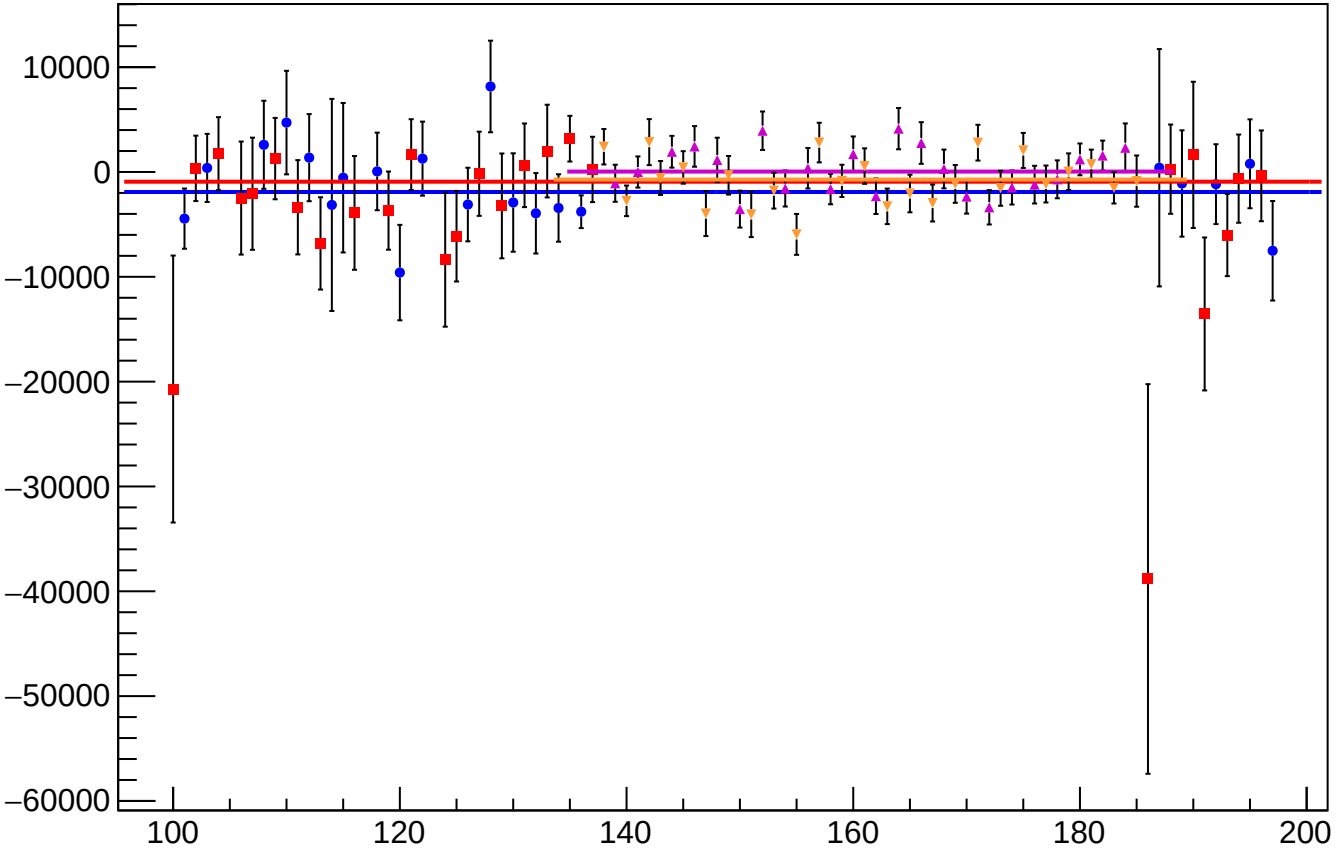
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 195.671+/-0.025 χ^2/NDF: 588916.3/45

All: 196.085+/-0.018 χ^2/NDF: 1313882.4/94

\- sign 196.501+/-0.025 χ^2/NDF: 724432.5/48

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1908.922+/-797.954 χ^2/NDF: 18.2/20

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -928.054+/-816.159 χ^2/NDF: 23.5/25

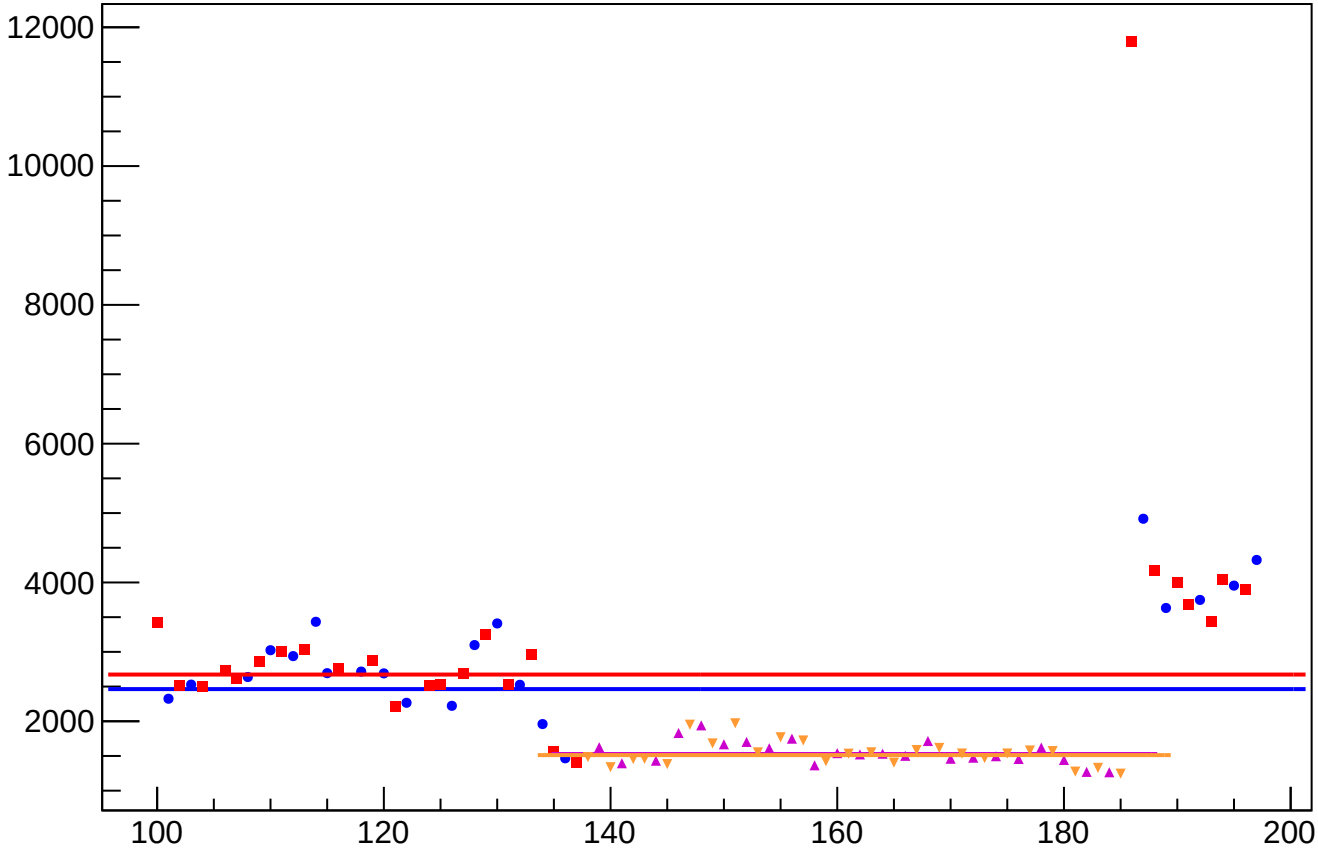
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -909.097+/-317.733 χ^2/NDF: 58.3/45

All: -526.981+/-228.489 χ^2/NDF: 120.4/94

- sign -117.738+/-328.818 χ^2/NDF: 59.1/48

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2463.615+/-0.564 χ^2/NDF: 2080098.0/20

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2673.080+/-0.577 χ^2/NDF: 2271144.6/25

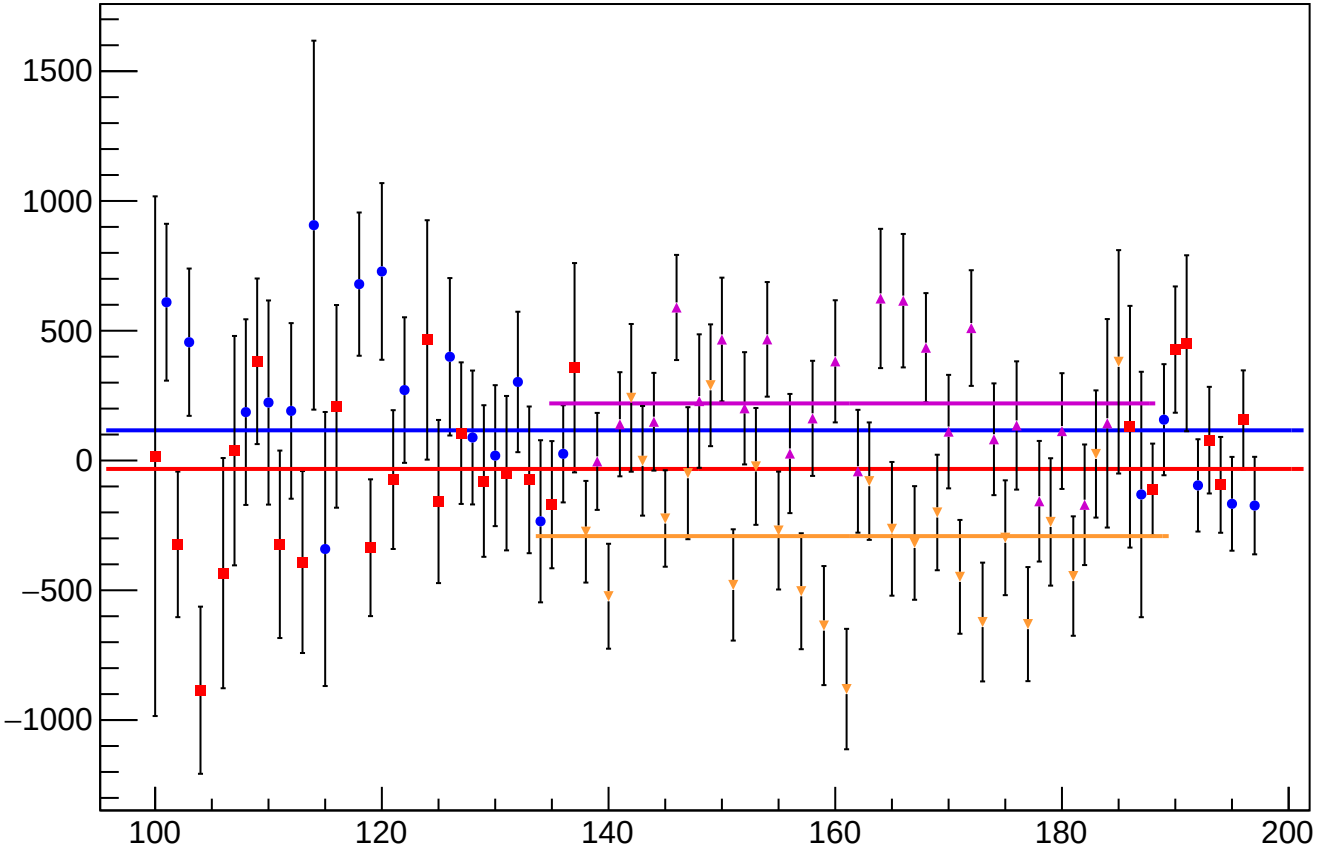
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1663.186+/-0.225 χ^2/NDF: 4914272.8/45

All: 1687.642+/-0.162 χ^2/NDF: 10881871.0/9

- sign 1713.835+/-0.233 χ^2/NDF: 5943058.4/48

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 116.286+/-58.198 χ^2/NDF: 23.5/20

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -32.508+/-55.615 χ^2/NDF: 24.2/25

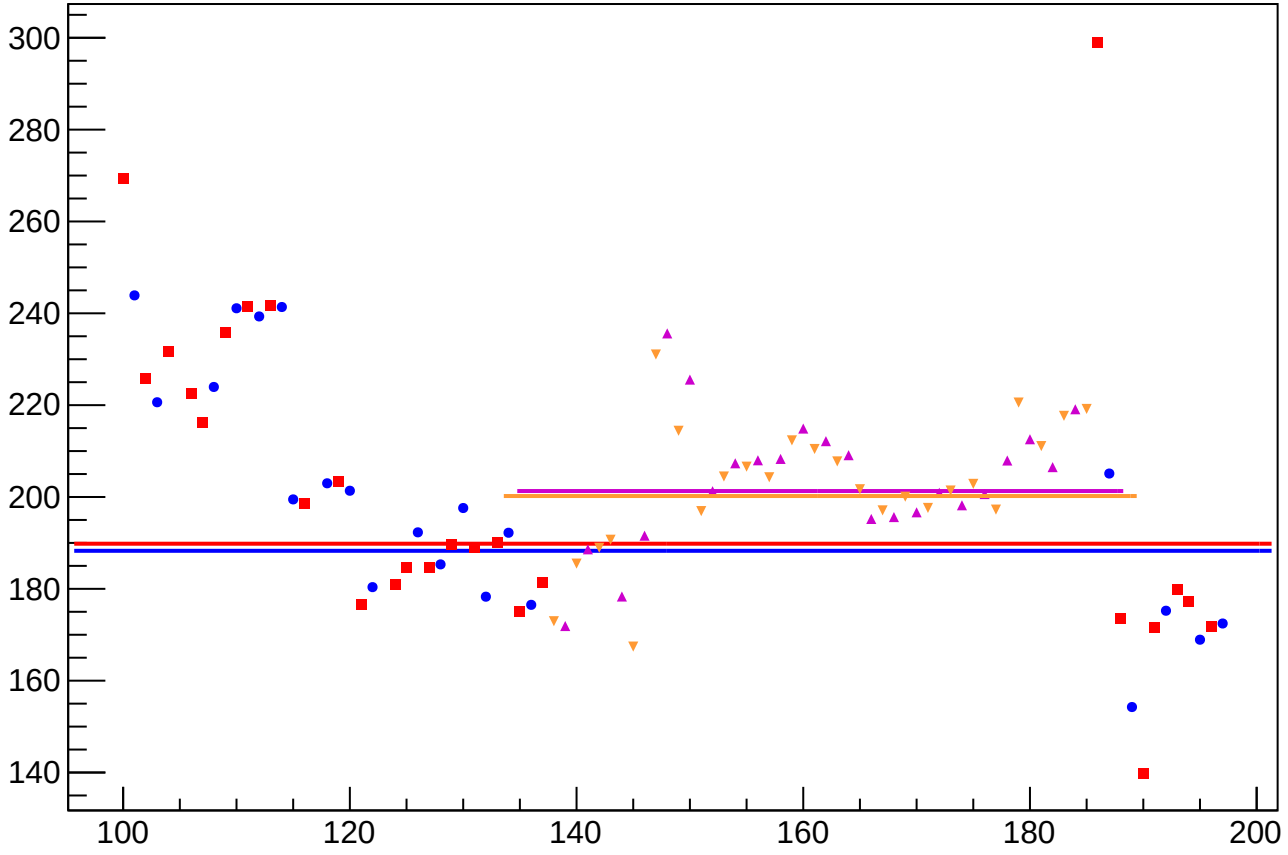
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -136.208+/-35.901 χ^2/NDF: 90.3/45

All: -11.117+/-25.408 χ^2/NDF: 174.5/94

- sign 114.407+/-35.963 χ^2/NDF: 60.0/48

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 188.282+/-0.041 χ^2/NDF: 332478.9/20

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

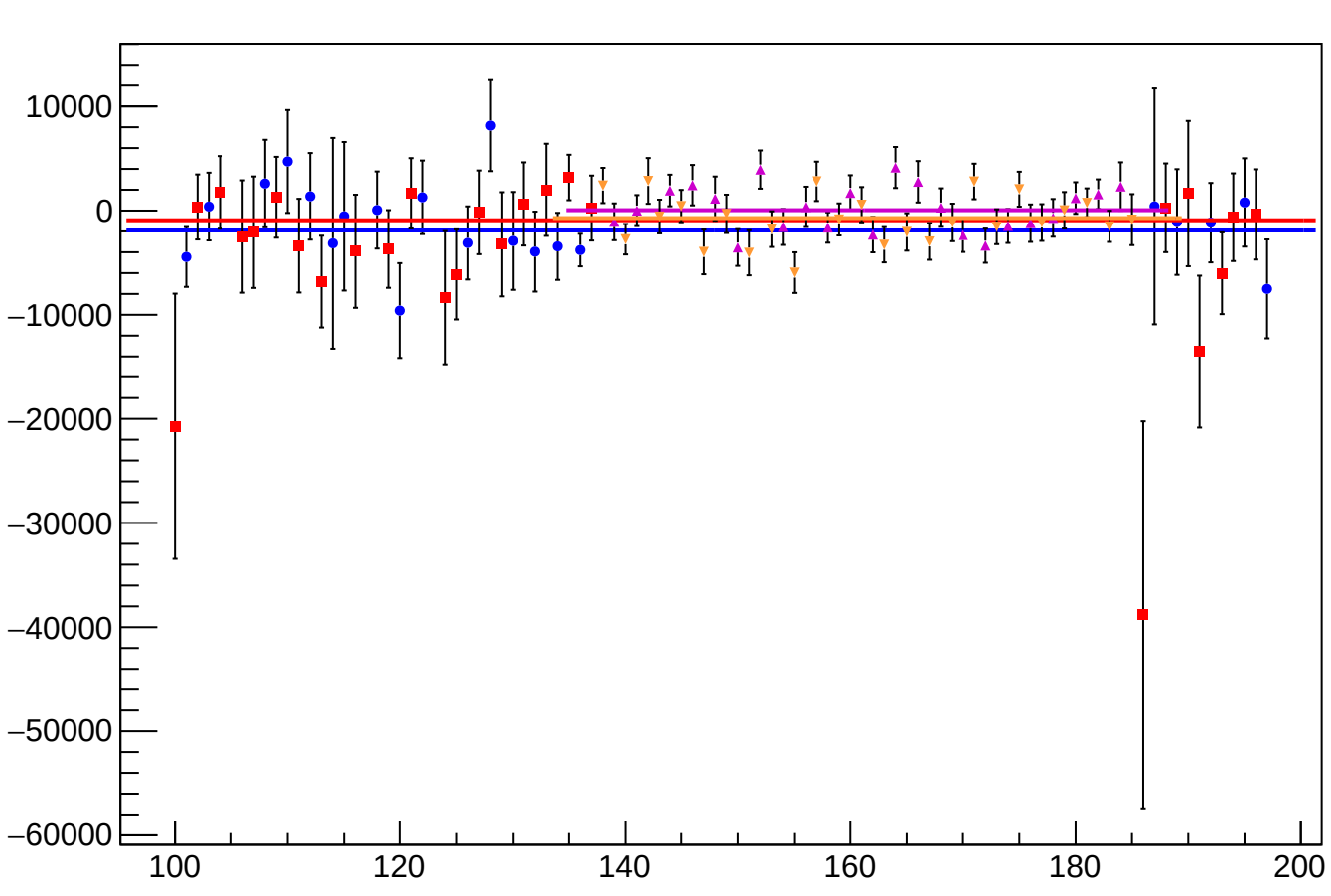
Right Out: 189.826+/-0.039 χ^2/NDF: 493277.4/25

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 195.671+/-0.025 χ^2/NDF: 588916.3/45

All: 196.085+/-0.018 χ^2/NDF: 1313882.4/94

- sign 196.501+/-0.025 χ^2/NDF: 724432.5/48



Right In: -1908.922+/-797.954 χ^2/NDF: 18.2/20

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -928.054+/-816.159 χ^2/NDF: 23.5/25

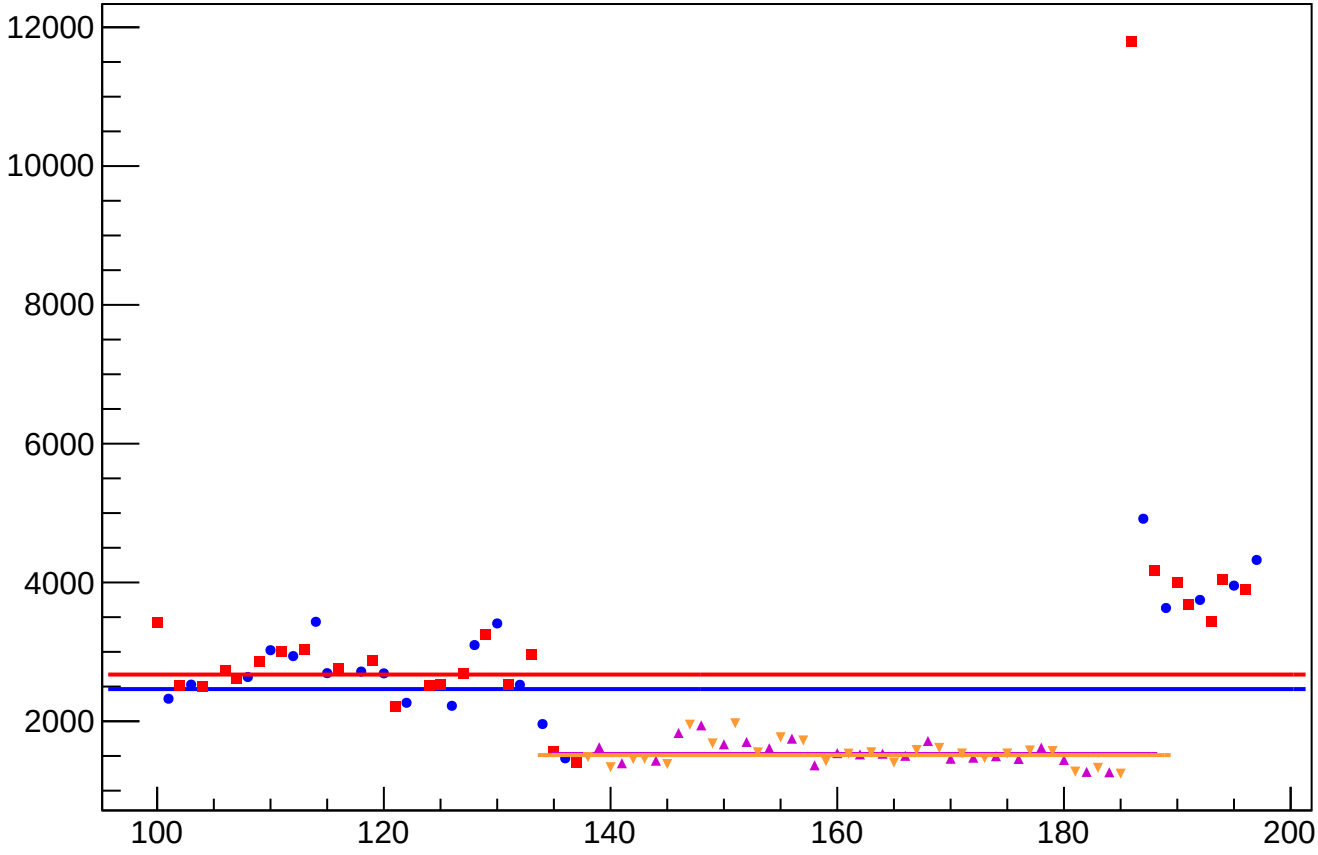
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -909.097+/-317.733 χ^2/NDF: 58.3/45

All: -526.981+/-228.489 χ^2/NDF: 120.4/94

- sign -117.738+/-328.818 χ^2/NDF: 59.1/48

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2463.615+/-0.564 χ^2/NDF: 2080098.0/20

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2673.080+/-0.577 χ^2/NDF: 2271144.6/25

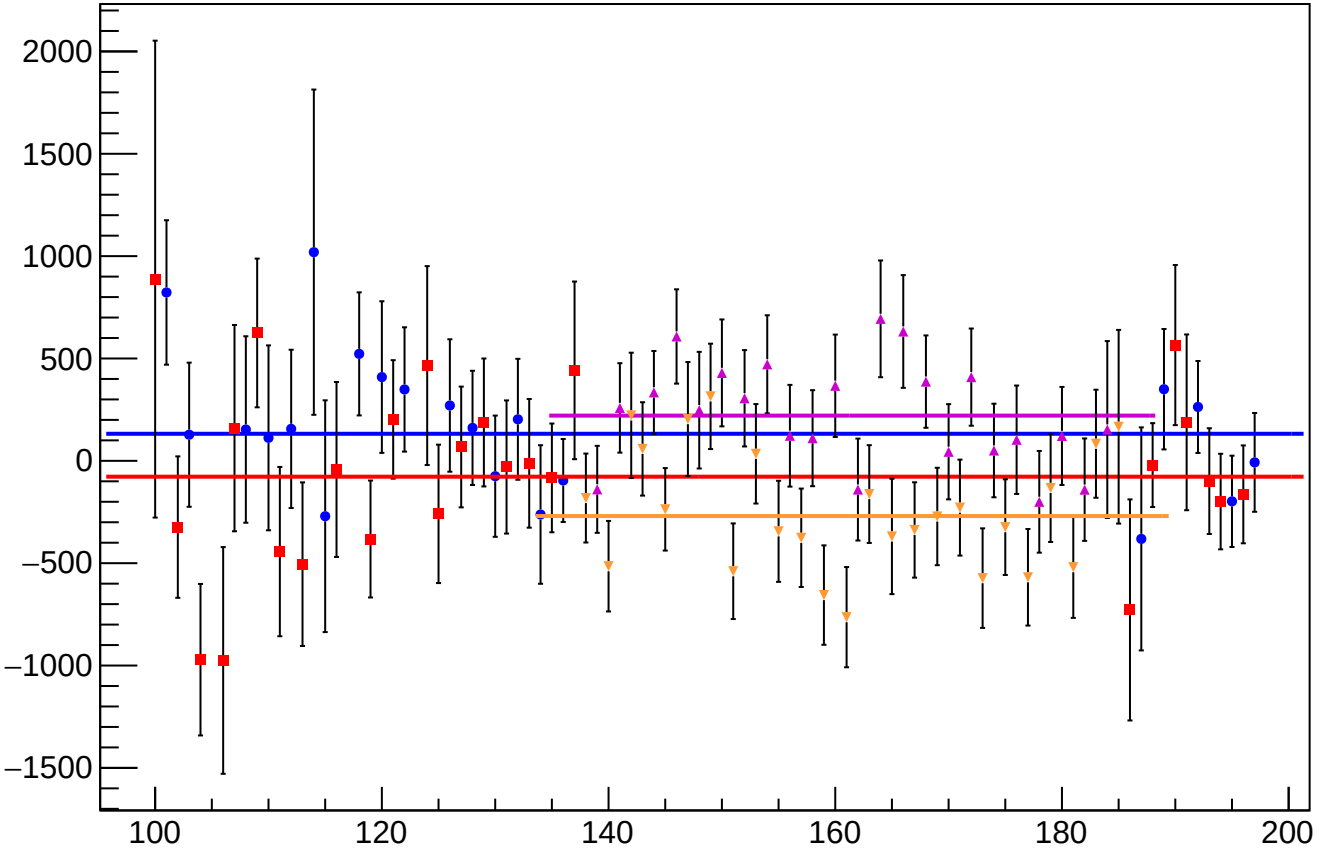
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1663.186+/-0.225 χ^2/NDF: 4914272.8/45

All: 1687.642+/-0.162 χ^2/NDF: 10881871.0/9

- sign 1713.835+/-0.233 χ^2/NDF: 5943058.4/48

dit_asym_sam_26_dd_mean vs Slug



Right In: 132.225+/-67.921 χ^2/NDF: 16.0/20

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -77.418+/-64.984 χ^2/NDF: 26.6/25

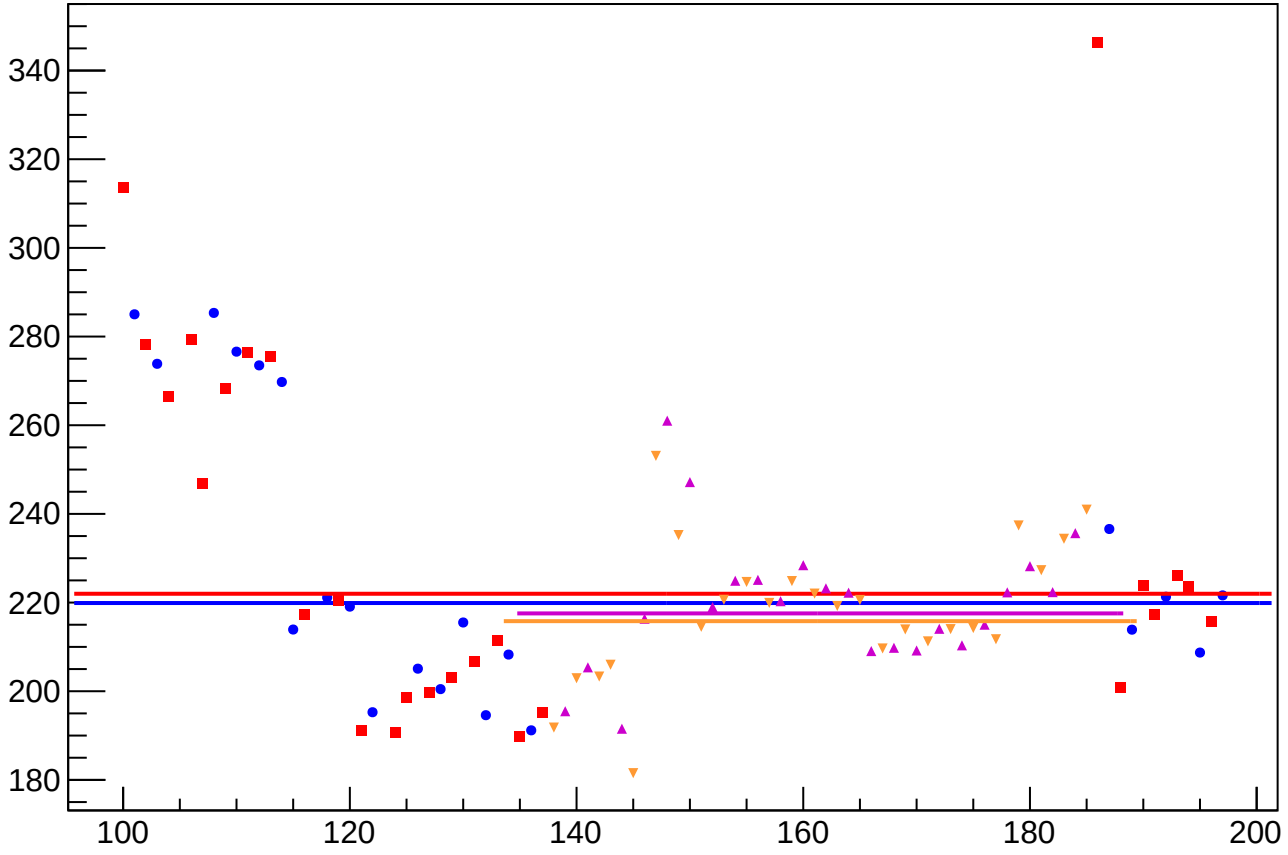
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -131.524+/-39.822 χ^2/NDF: 70.5/45

All: -12.921+/-28.256 χ^2/NDF: 151.4/94

- sign 107.333+/-40.098 χ^2/NDF: 63.1/48

dit_asym_sam_26_dd_rms vs Slug



Right In: 219.896+/-0.048 χ^2/NDF: 327063.5/20

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 221.987+/-0.046 χ^2/NDF: 456782.3/25

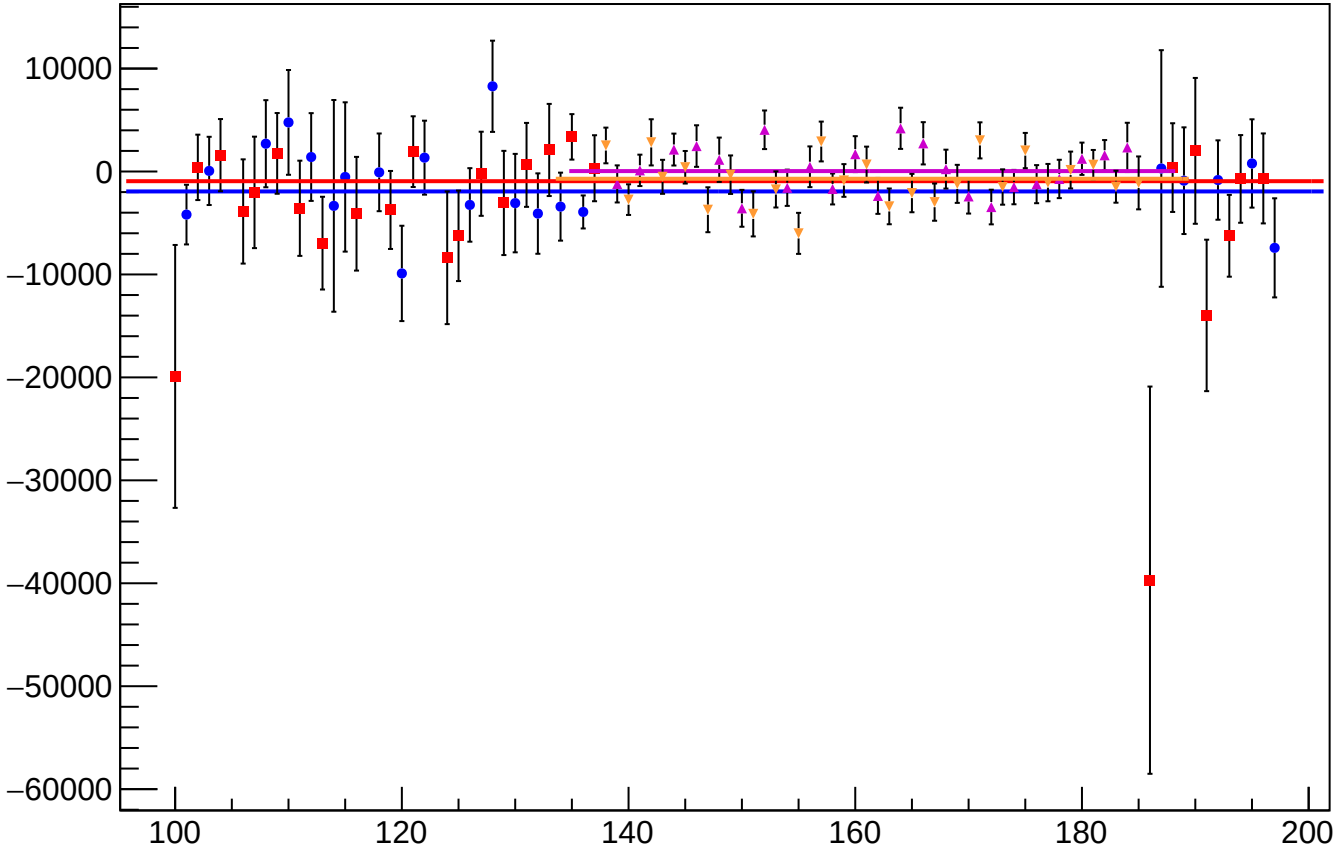
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.212+/-0.028 χ^2/NDF: 520520.6/45

All: 218.220+/-0.020 χ^2/NDF: 1146710.2/94

- sign 219.242+/-0.028 χ^2/NDF: 623609.3/48

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1935.640+/-813.552 χ^2/NDF: 18.0/20

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -940.887+/-827.344 χ^2/NDF: 24.4/25

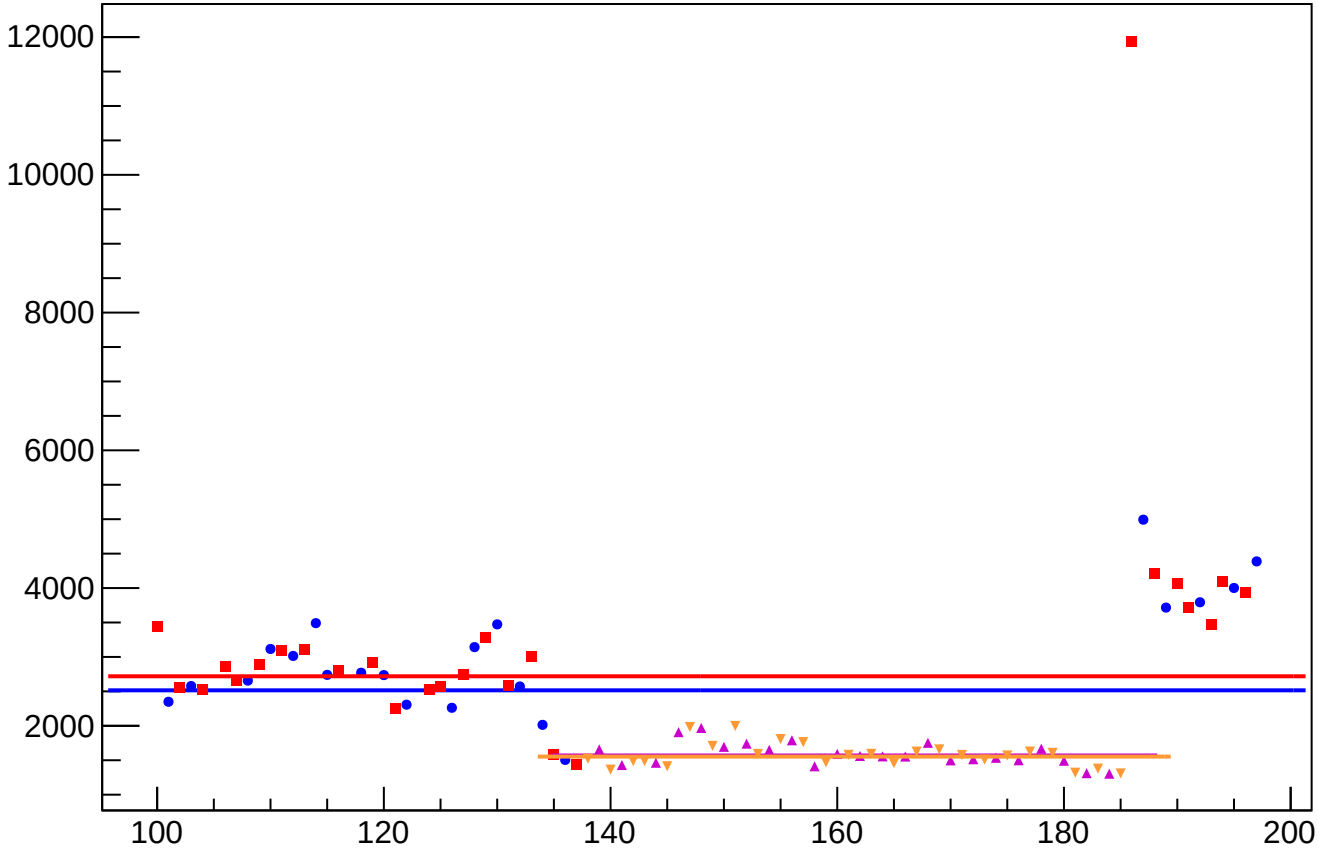
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -901.444+/-325.728 χ^2/NDF: 57.6/45

All: -525.319+/-234.176 χ^2/NDF: 120.3/94

- sign -122.938+/-336.905 χ^2/NDF: 59.9/48

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2515.145+/-0.575 χ^2/NDF: 2038571.5/20

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2719.175+/-0.585 χ^2/NDF: 2249542.1/25

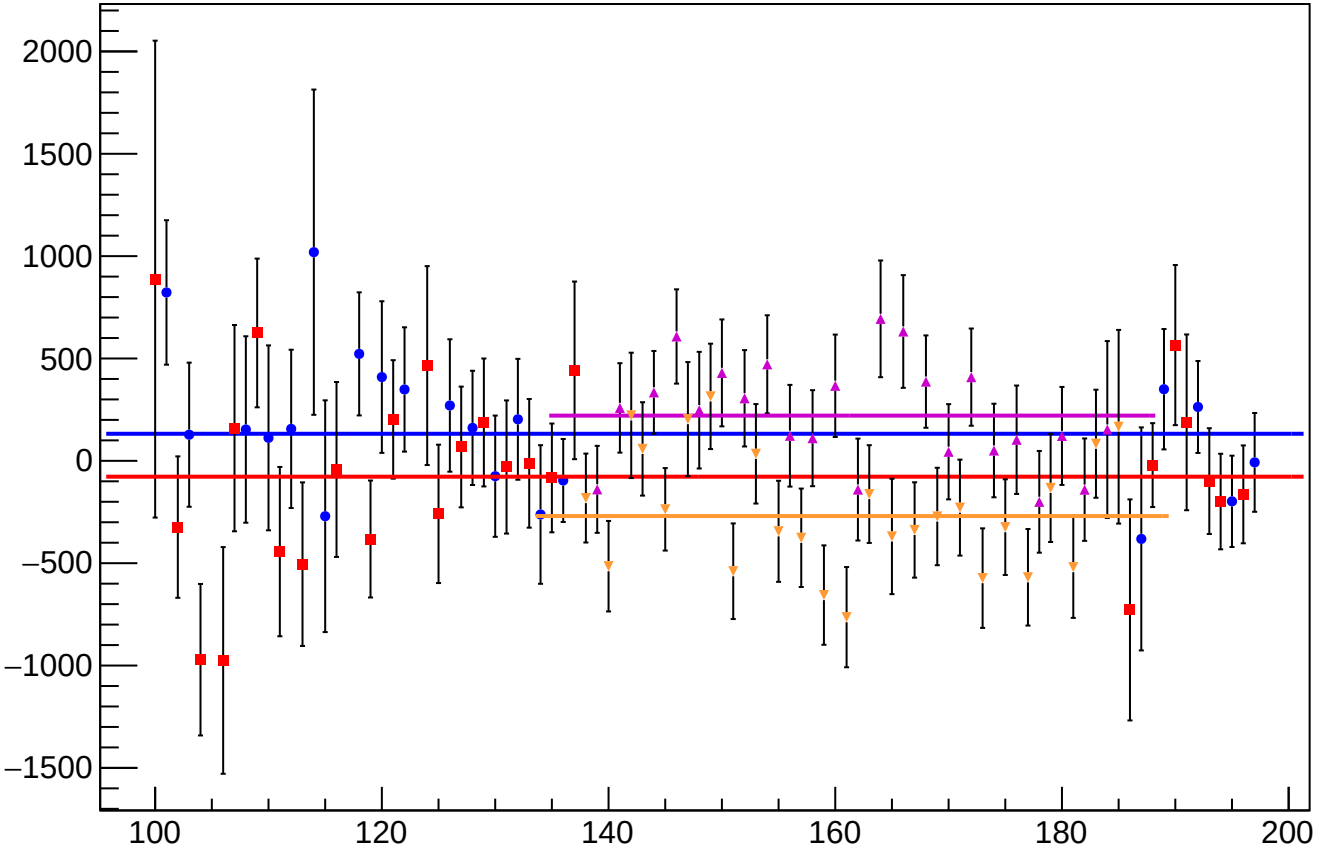
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1707.250+/-0.230 χ^2/NDF: 4797307.1/45

All: 1732.757+/-0.166 χ^2/NDF: 10651934.8/9

- sign 1760.044+/-0.238 χ^2/NDF: 5829243.8/48

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 132.227+/-67.921 χ^2/NDF: 16.0/20

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -77.419+/-64.984 χ^2/NDF: 26.6/25

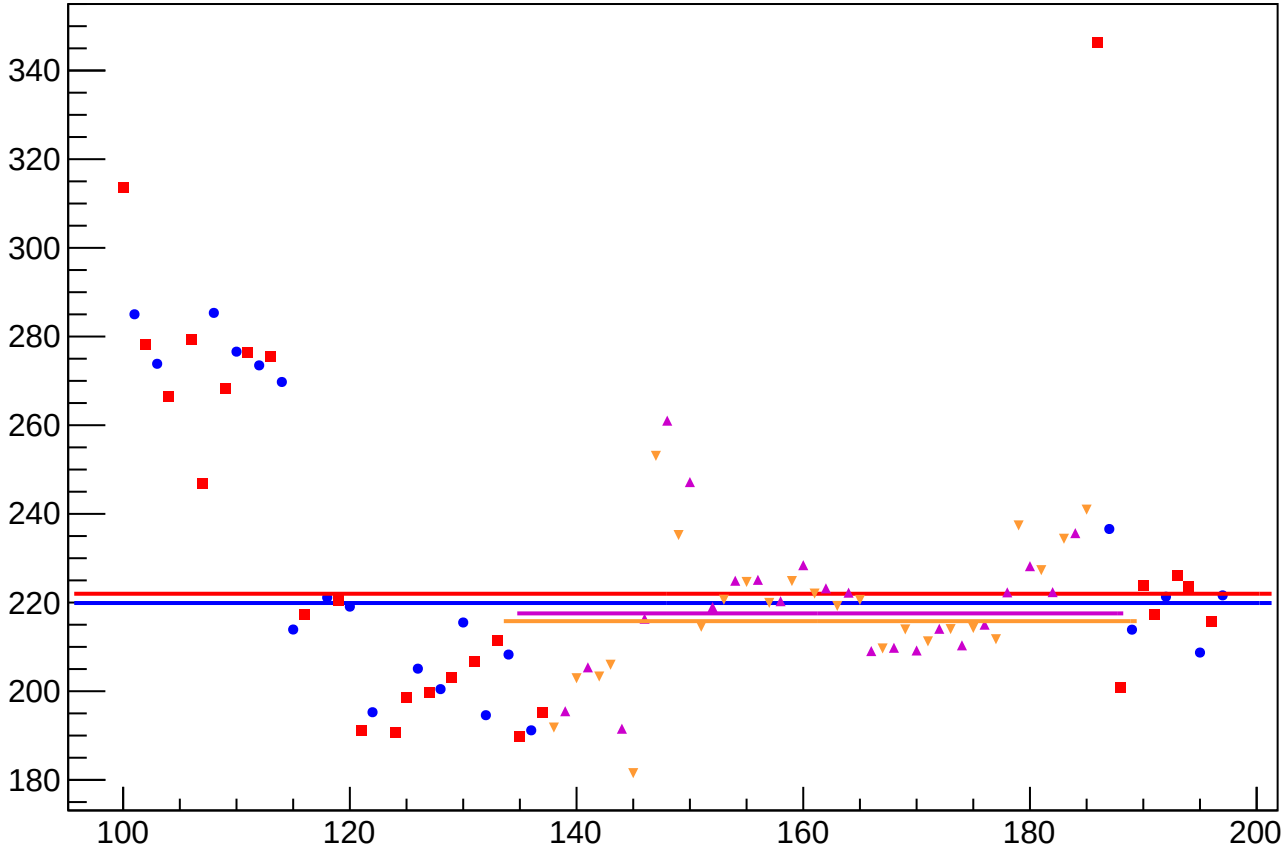
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -131.523+/-39.822 χ^2/NDF: 70.5/45

All: -12.920+/-28.256 χ^2/NDF: 151.4/94

- sign 107.333+/-40.098 χ^2/NDF: 63.1/48

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 219.895+/-0.048 χ^2/NDF: 327057.0/20

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

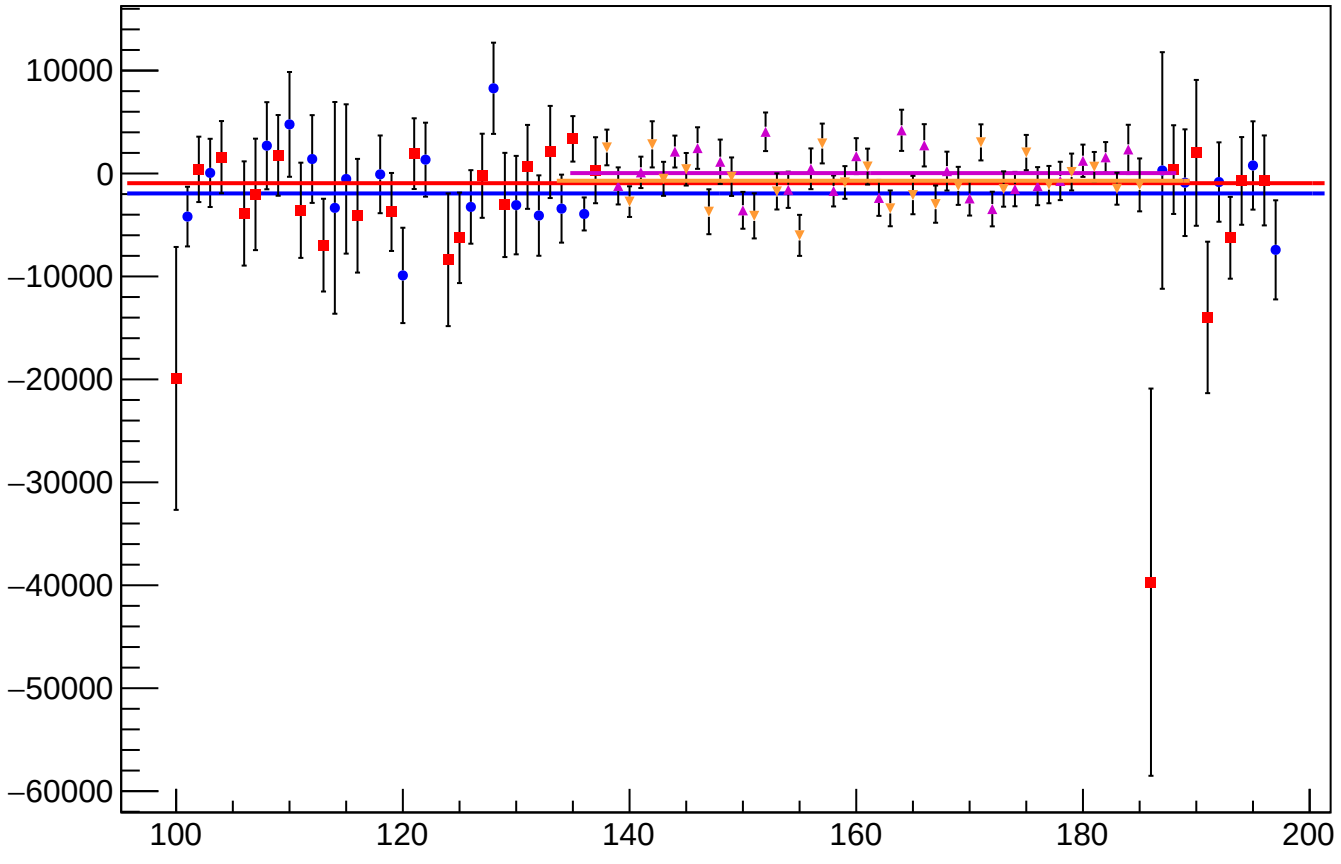
Right Out: 221.986+/-0.046 χ^2/NDF: 456766.9/25

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.212+/-0.028 χ^2/NDF: 520516.7/45

All: 218.220+/-0.020 χ^2/NDF: 1146692.3/94

- sign 219.242+/-0.028 χ^2/NDF: 623595.3/48



Right In: -1935.636+/-813.551 χ^2/NDF: 18.0/20

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -940.887+/-827.343 χ^2/NDF: 24.4/25

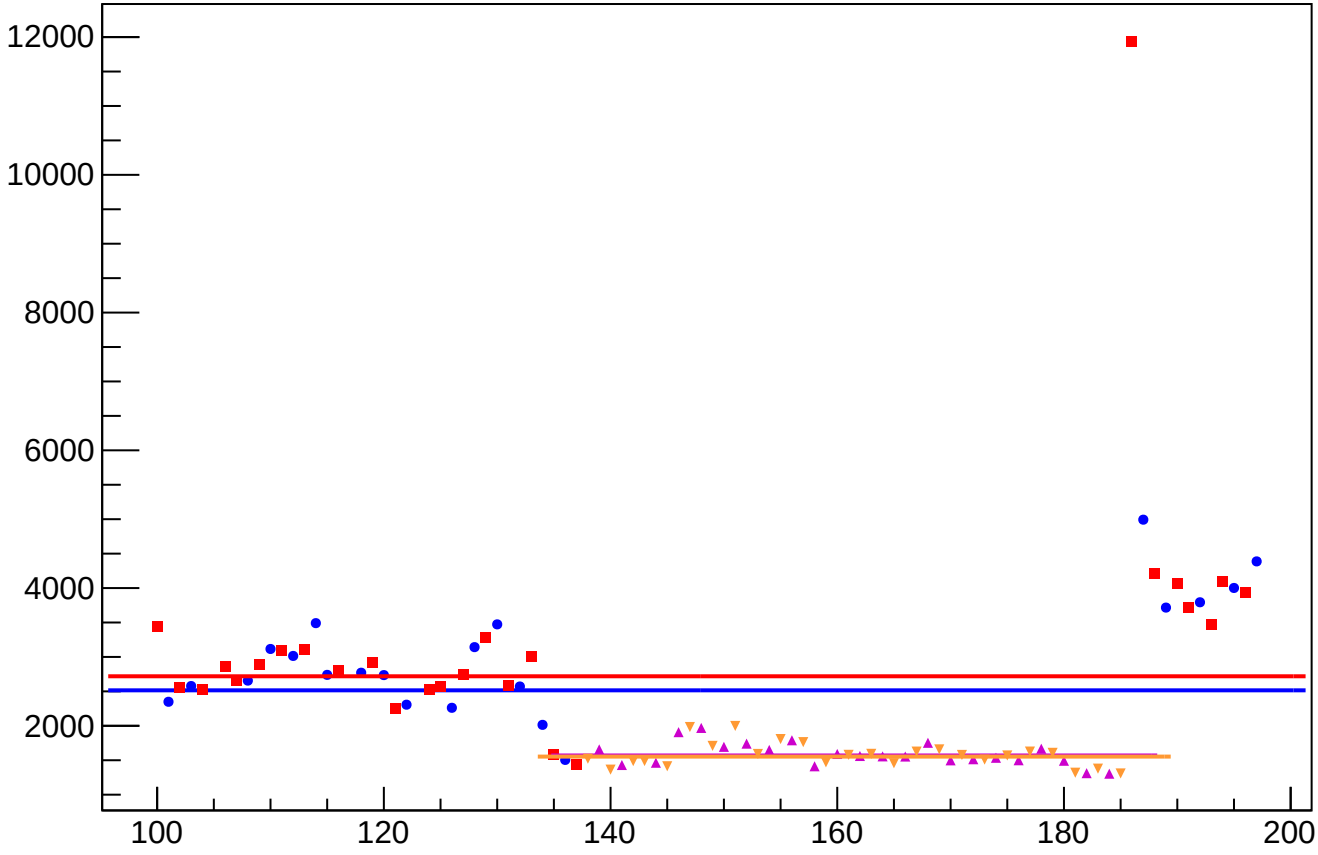
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -901.444+/-325.728 χ^2/NDF: 57.6/45

All: -525.319+/-234.176 χ^2/NDF: 120.3/94

- sign -122.939+/-336.904 χ^2/NDF: 59.9/48

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2515.142+/-0.575 χ^2/NDF: 2038565.6/20

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2719.171+/-0.585 χ^2/NDF: 2249541.7/25

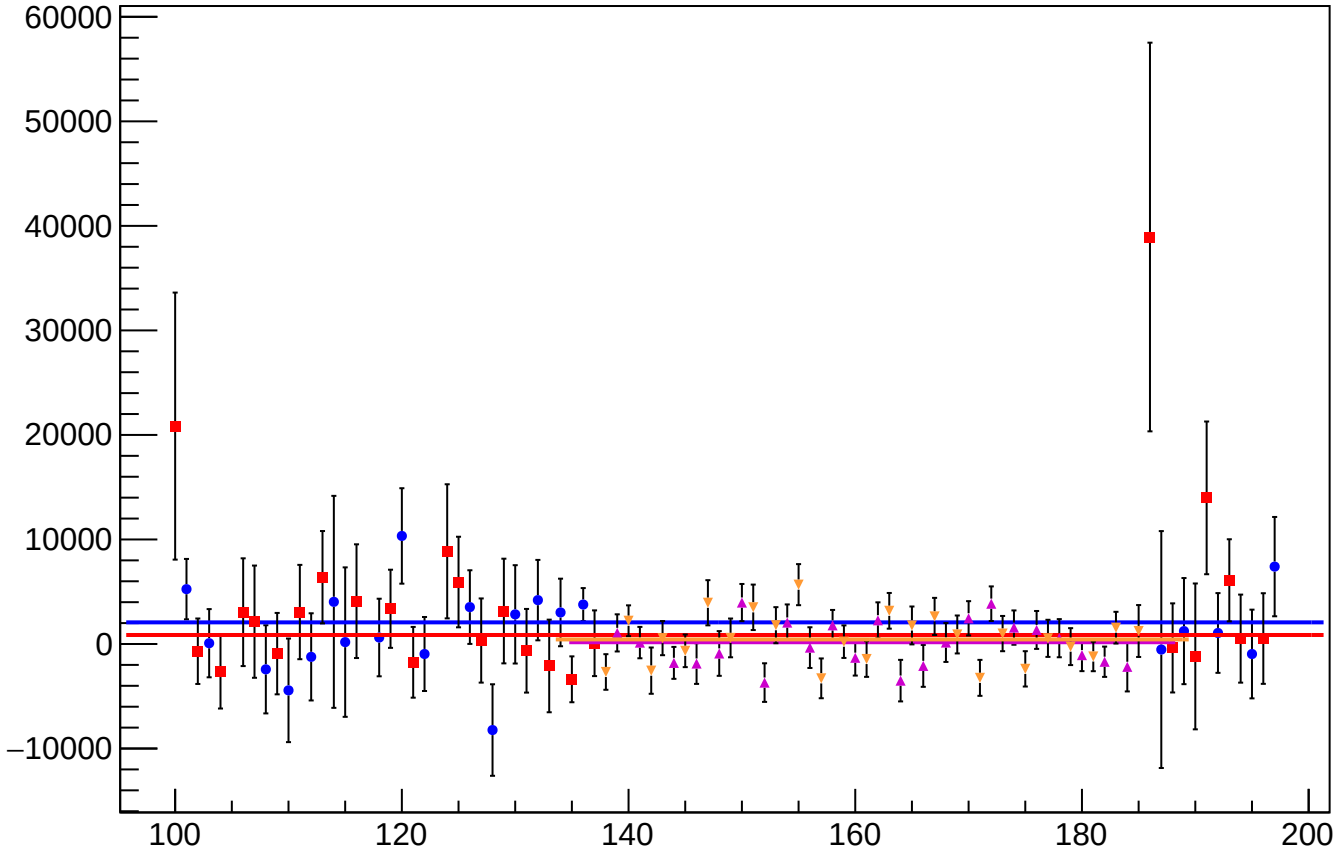
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1707.250+/-0.230 χ^2/NDF: 4797292.5/45

All: 1732.757+/-0.166 χ^2/NDF: 10651908.6/9

- sign 1760.044+/-0.238 χ^2/NDF: 5829232.6/48

asym_sam_26_dd_mean vs Slug



Right In: 2069.121+/-801.424 χ^2/NDF: 18.6/20

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 861.586+/-818.089 χ^2/NDF: 24.3/25

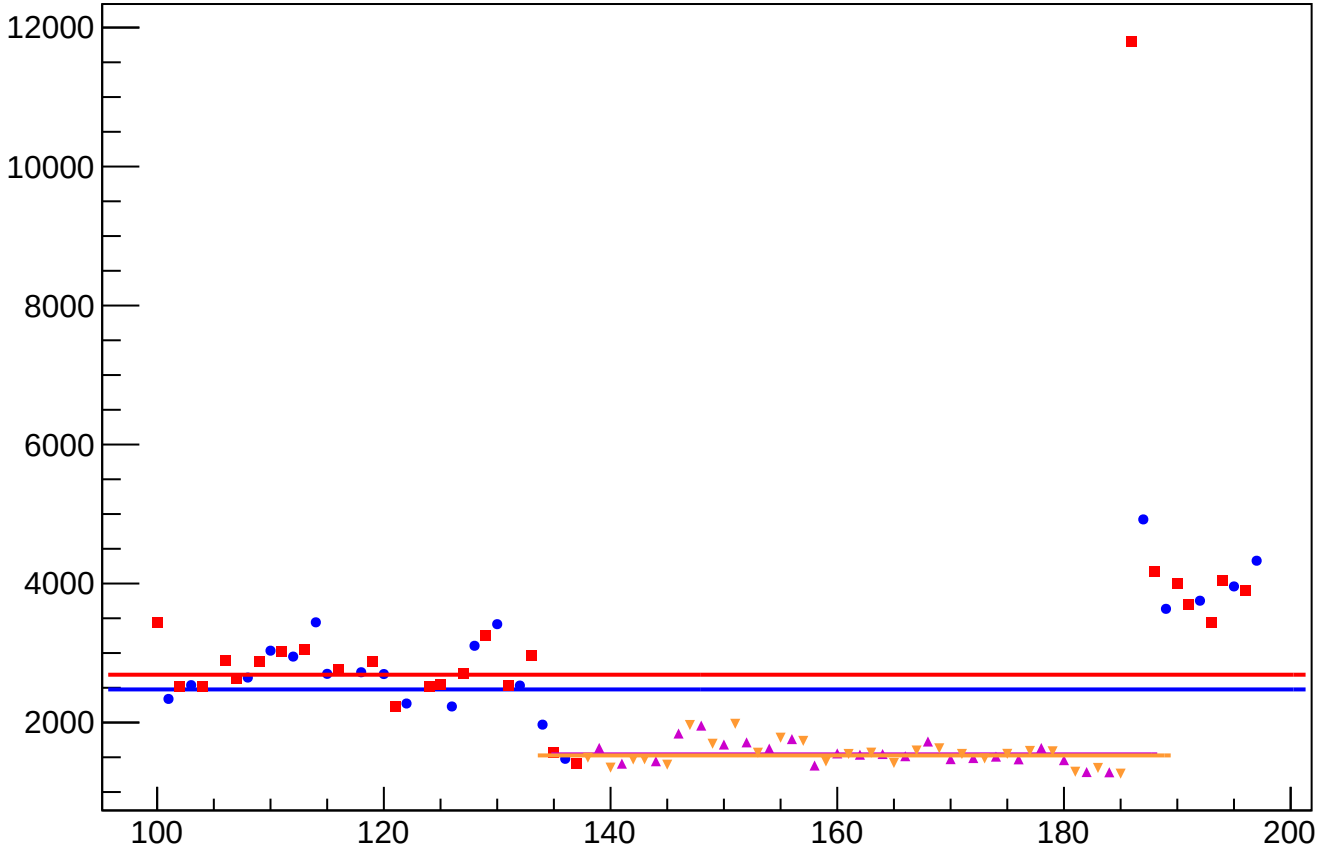
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 698.341+/-320.424 χ^2/NDF: 60.9/45

All: 497.885+/-230.377 χ^2/NDF: 119.6/94

- sign 283.384+/-331.459 χ^2/NDF: 57.9/48

asym_sam_26_dd_rms vs Slug



Right In: 2476.247+/-0.567 χ^2/NDF: 2052109.8/20

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2688.012+/-0.578 χ^2/NDF: 2250006.7/25

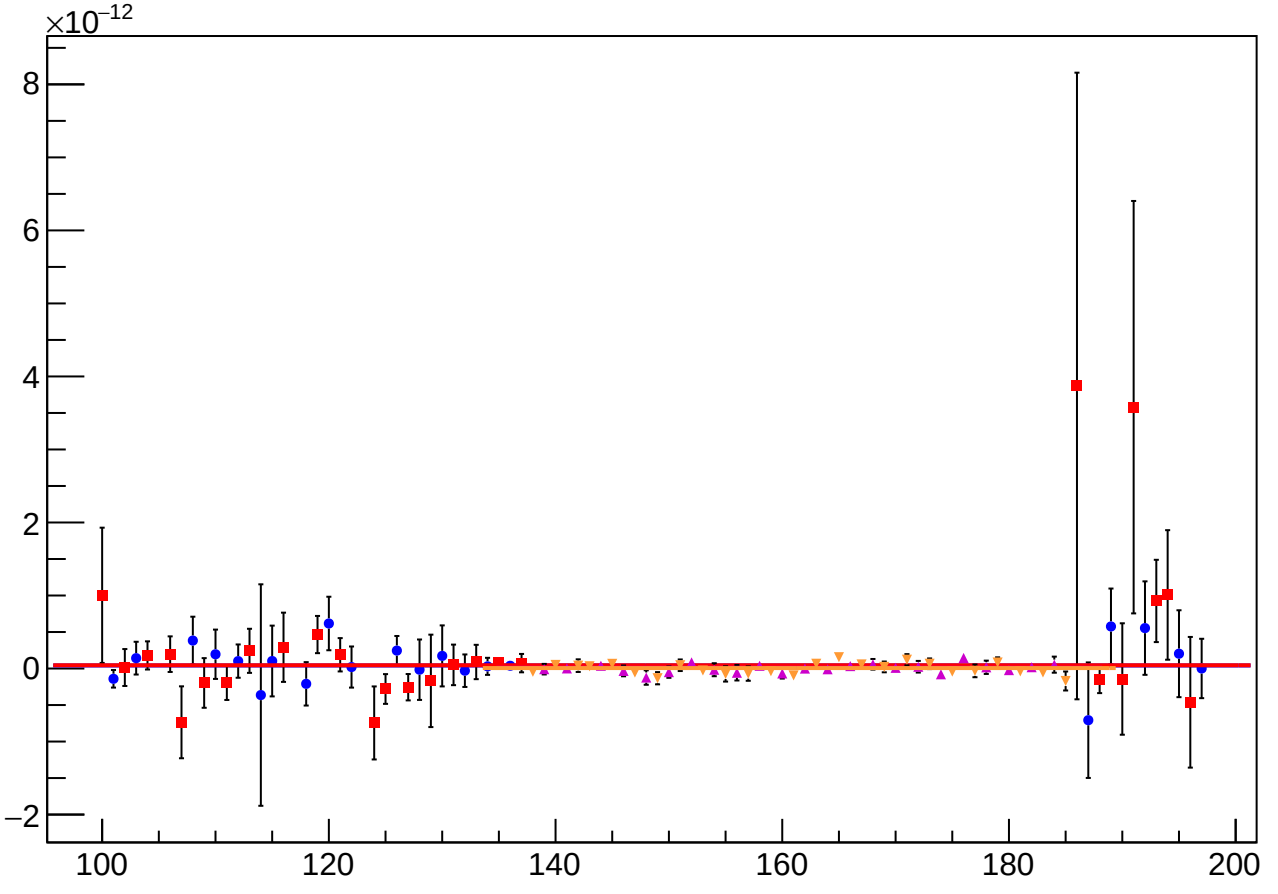
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1678.511+/-0.227 χ^2/NDF: 4840258.4/45

All: 1703.551+/-0.163 χ^2/NDF: 10756773.8/9

- sign 1730.345+/-0.234 χ^2/NDF: 5891232.8/48

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

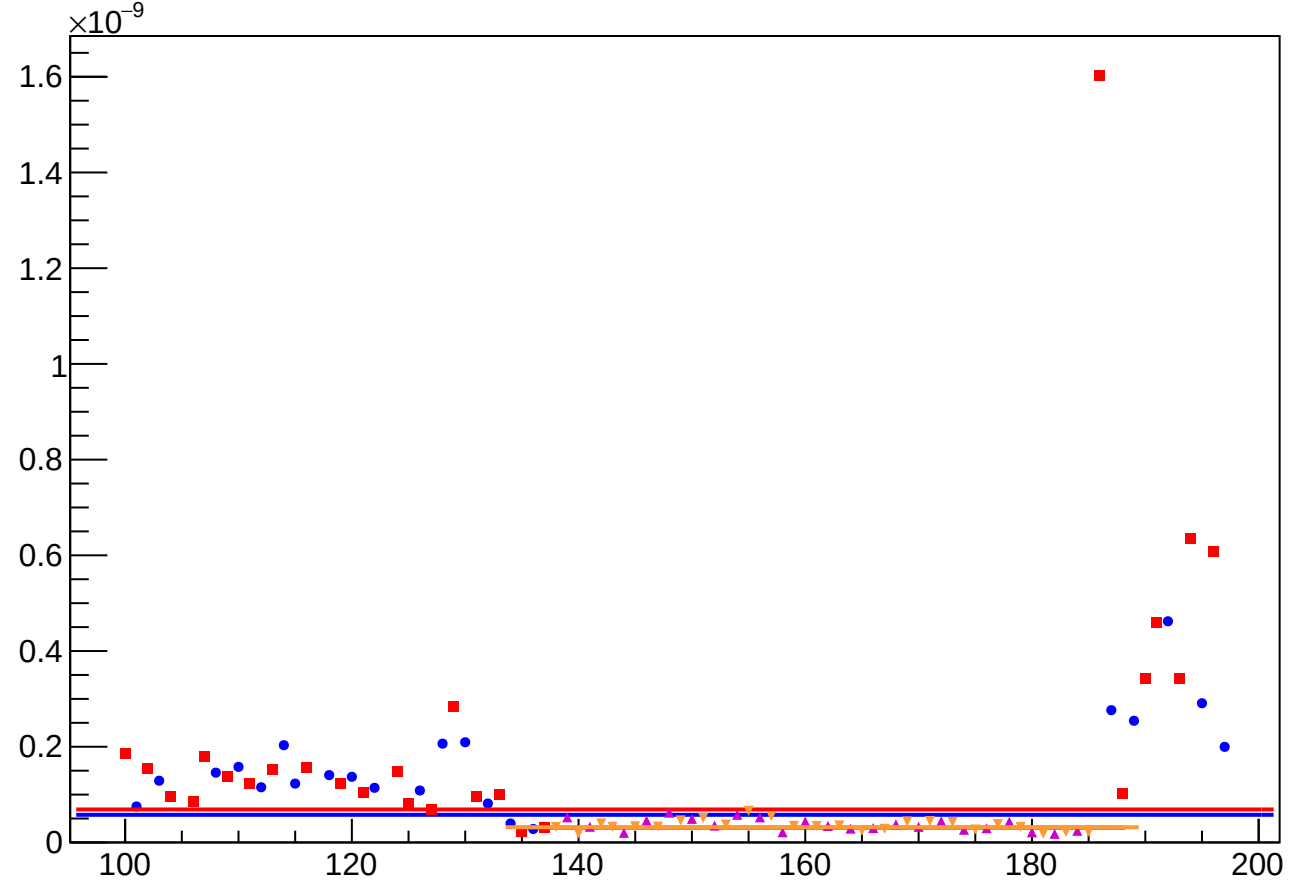
Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/25

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.8/45

All: 0.000+/-0.000 χ^2/NDF: 86.1/94

- sign 0.000+/-0.000 χ^2/NDF: 43.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 4399130.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5097186.7/25

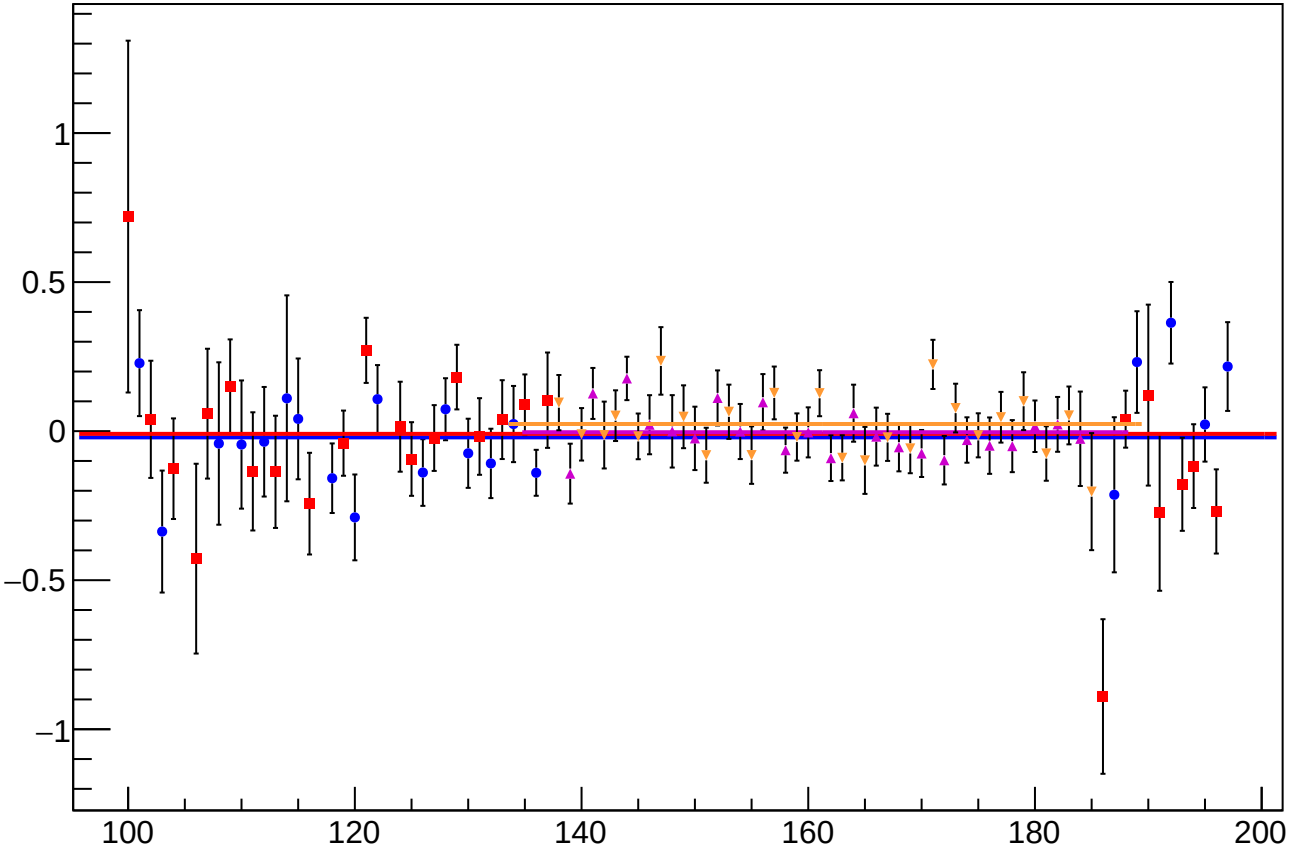
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6566533.8/45

All: 0.000+/-0.000 χ^2/NDF: 14757619.5/94

- sign 0.000+/-0.000 χ^2/NDF: 8190275.1/48

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.030 χ^2/NDF: 29.2/20

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.009+/-0.029 χ^2/NDF: 37.6/25

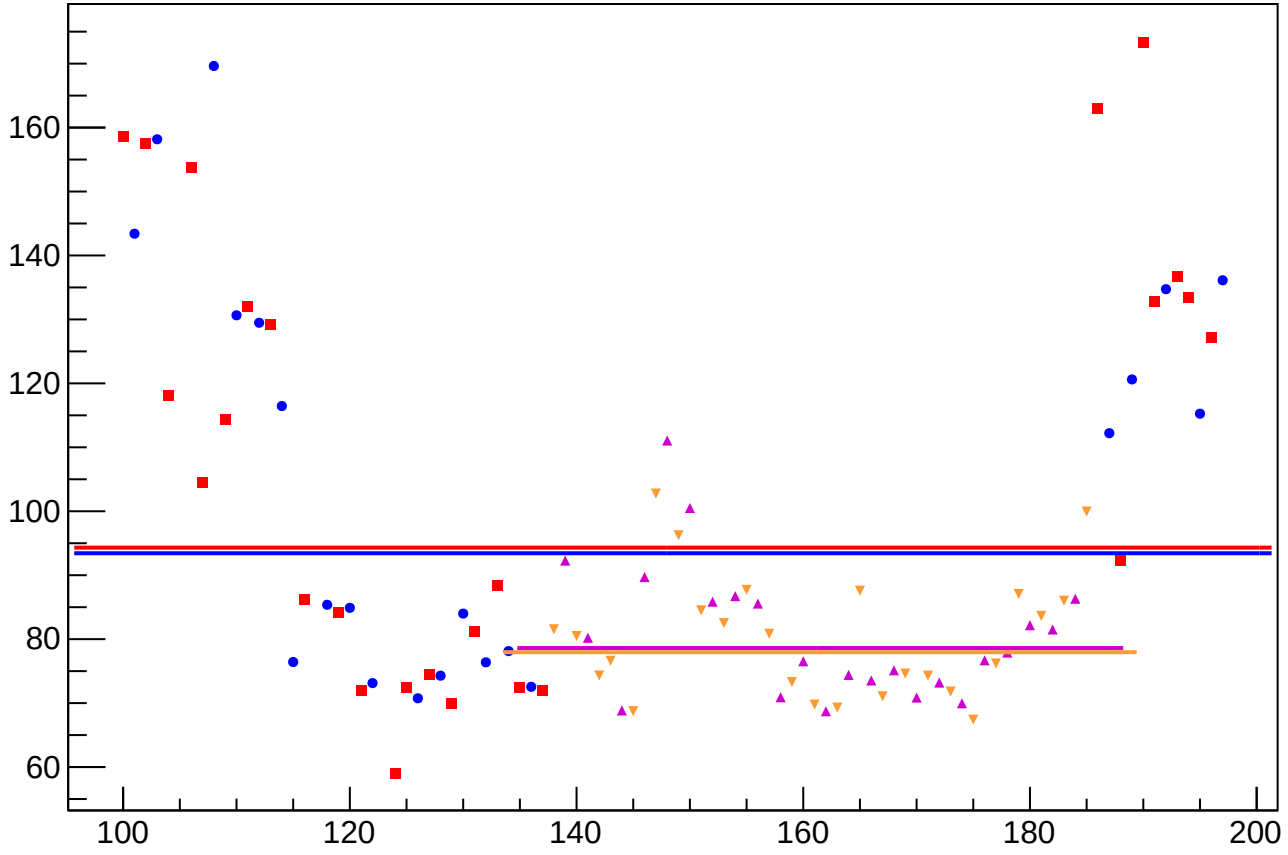
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/45

All: 0.004+/-0.011 χ^2/NDF: 113.6/94

- sign -0.005+/-0.016 χ^2/NDF: 56.5/48

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 93.433+/-0.021 χ^2/NDF: 1605193.5/20

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 94.316+/-0.020 χ^2/NDF: 1846446.6/25

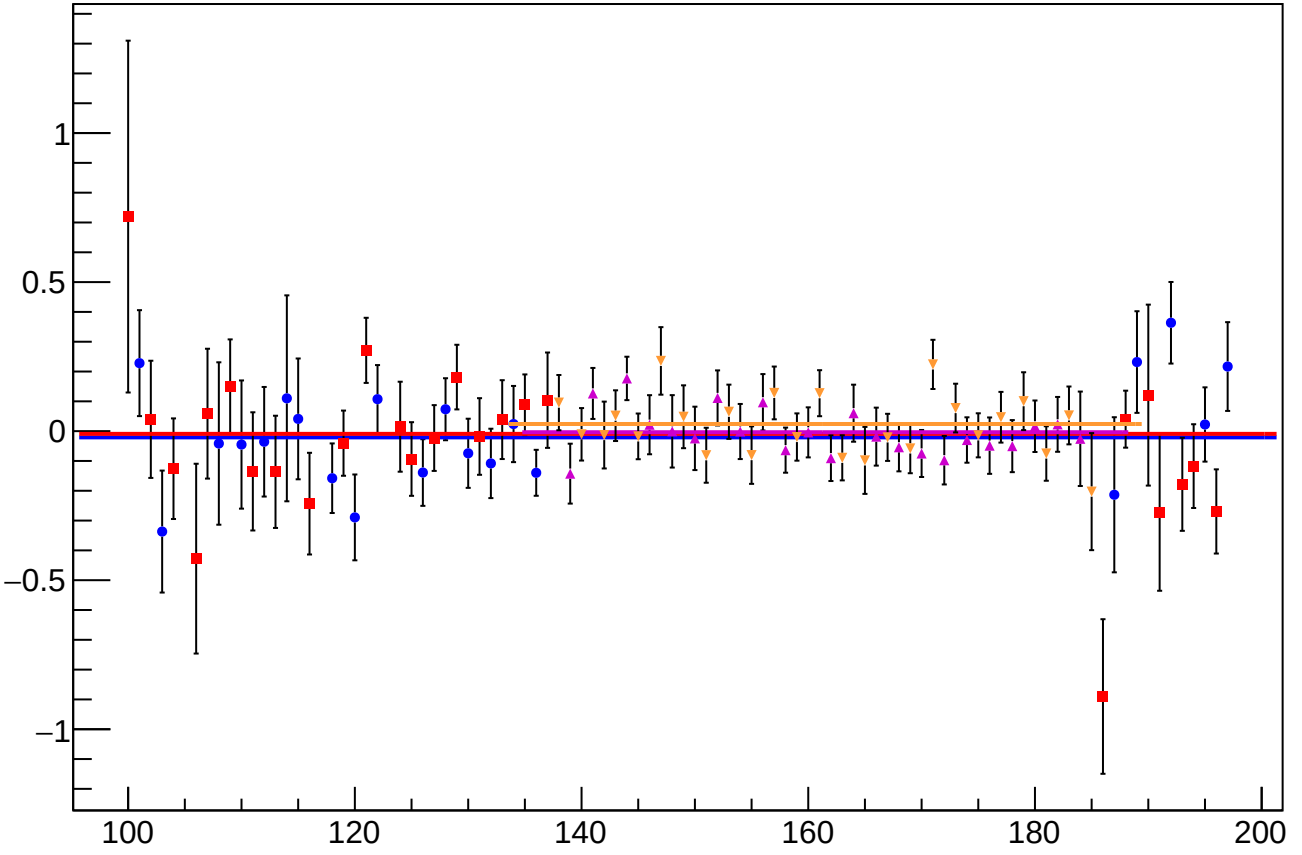
Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

\+ sign 82.012+/-0.011 χ^2/NDF: 2438504.2/45

All: 82.616+/-0.008 χ^2/NDF: 5210499.9/94

\- sign 83.241+/-0.011 χ^2/NDF: 2765684.5/48

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.030 χ^2/NDF: 29.2/20

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

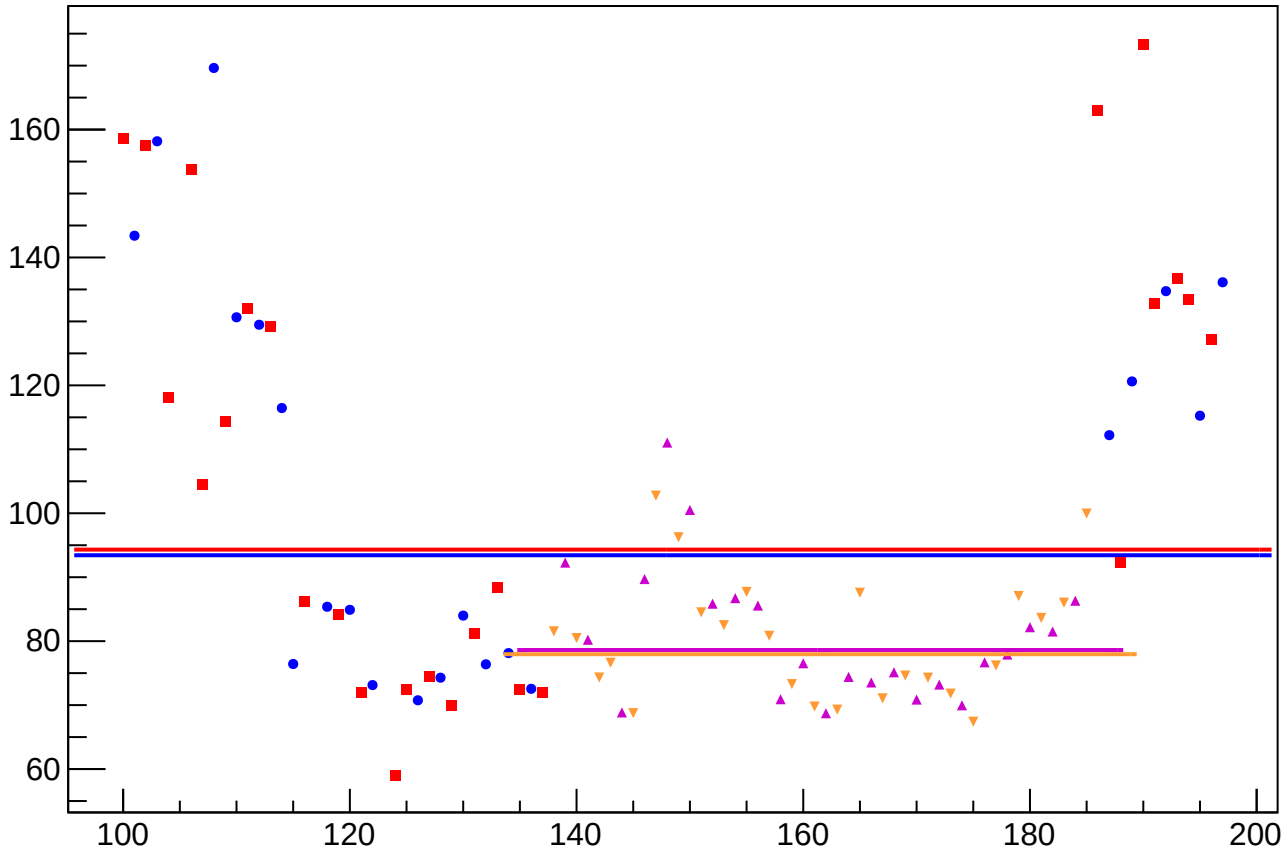
Right Out: -0.009+/-0.029 χ^2/NDF: 37.6/25

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/45

All: 0.004+/-0.011 χ^2/NDF: 113.6/94

- sign -0.005+/-0.016 χ^2/NDF: 56.5/48



Right In: 93.433+/-0.021 χ^2/NDF: 1605193.5/20

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

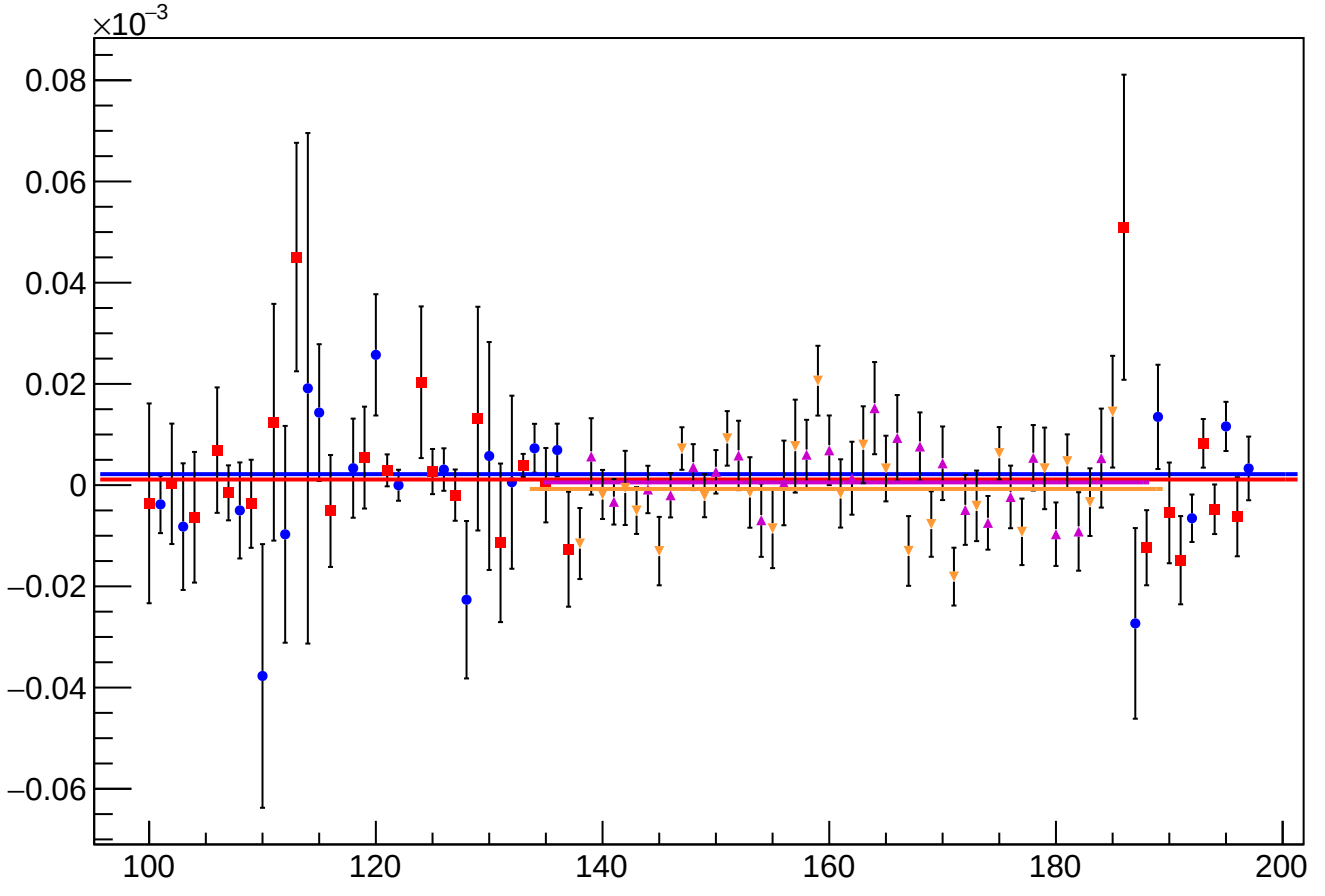
Right Out: 94.316+/-0.020 χ^2/NDF: 1846446.6/25

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 82.012+/-0.011 χ^2/NDF: 2438504.2/45

All: 82.616+/-0.008 χ^2/NDF: 5210499.9/94

- sign 83.241+/-0.011 χ^2/NDF: 2765684.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/25

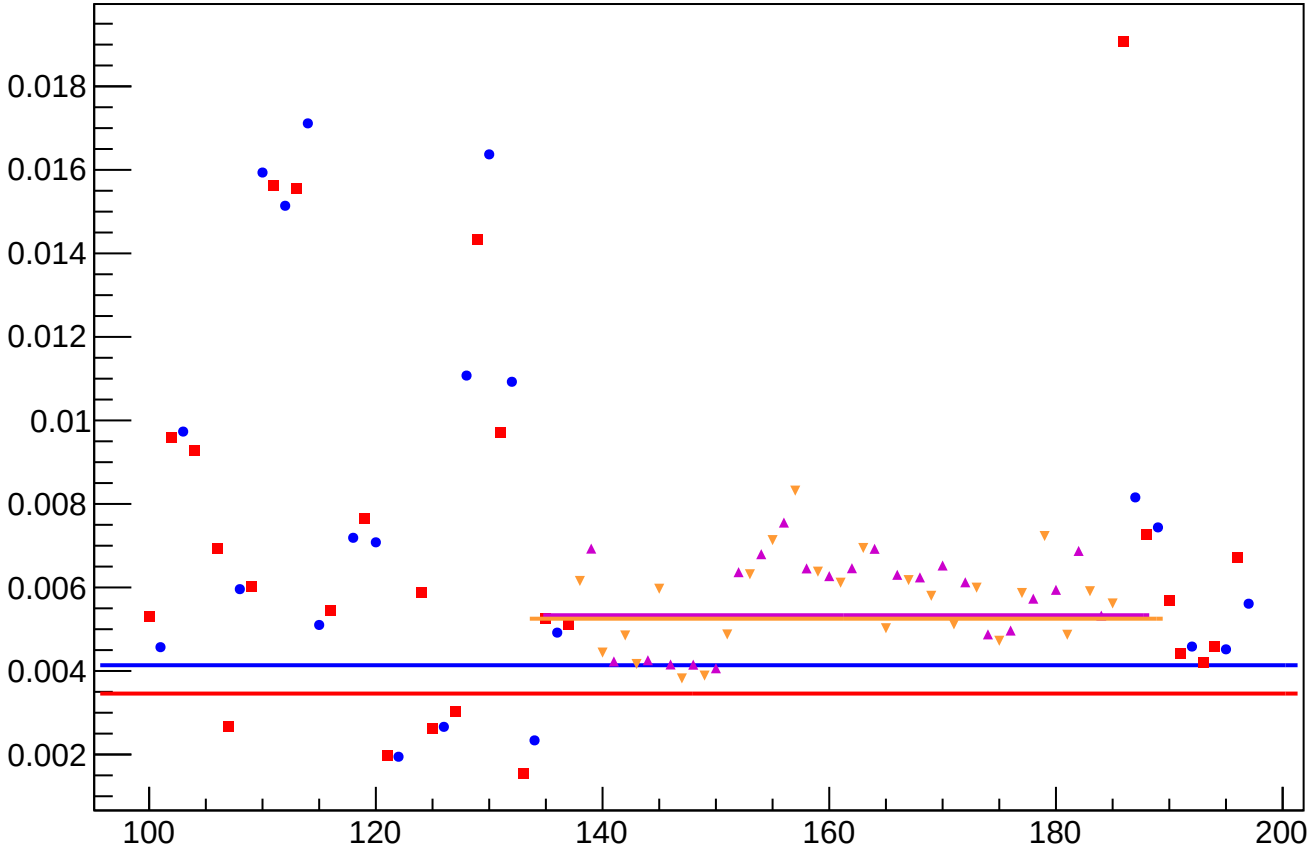
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.7/45

All: 0.000+/-0.000 χ^2/NDF: 120.9/94

- sign 0.000+/-0.000 χ^2/NDF: 45.2/48

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5212923.3/20

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

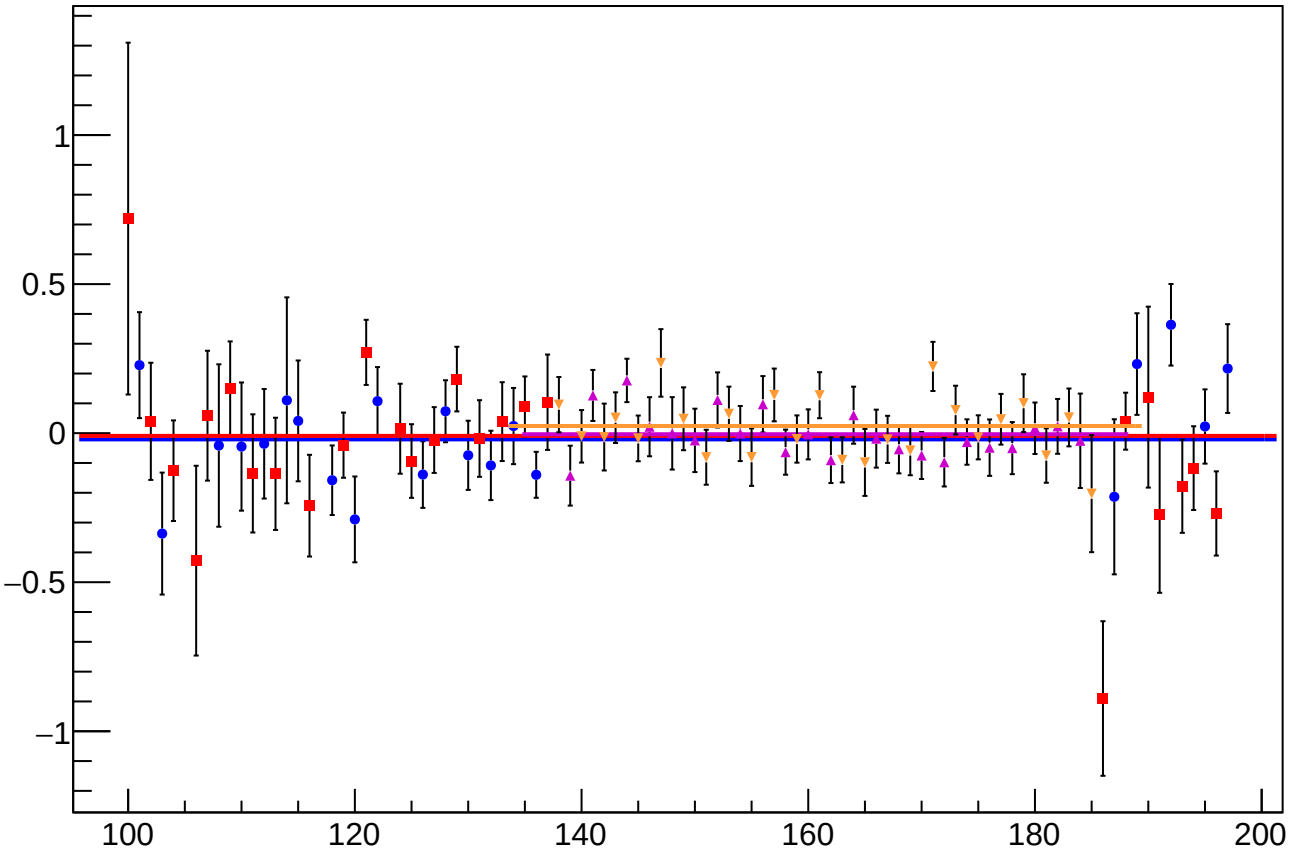
Right Out: 0.003+/-0.000 χ^2/NDF: 7490910.4/25

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7394982.9/45

All: 0.005+/-0.000 χ^2/NDF: 18838360.4/94

- sign 0.004+/-0.000 χ^2/NDF: 11216995.8/48



Right In: -0.021+/-0.030 χ^2/NDF: 29.2/20

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

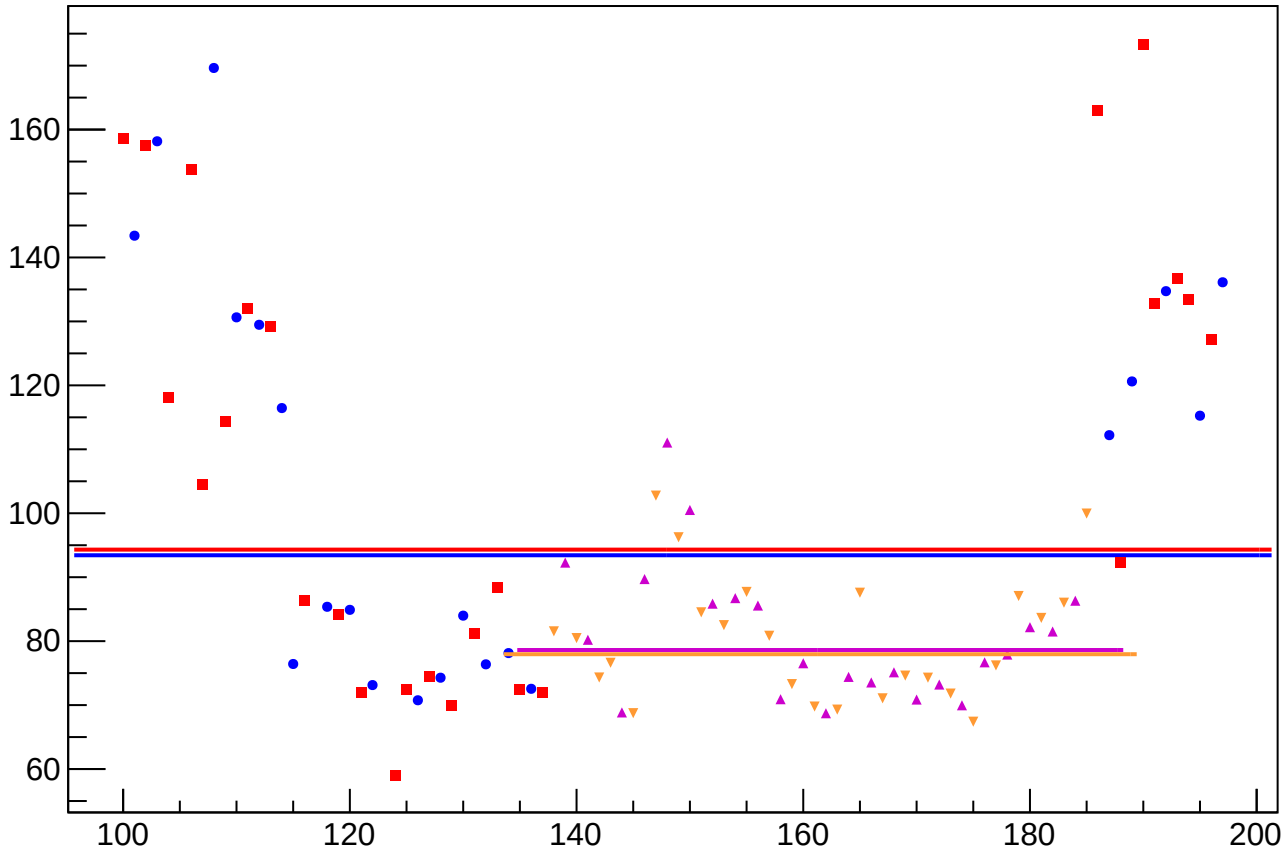
Right Out: -0.009+/-0.029 χ^2/NDF: 37.6/25

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/45

All: 0.004+/-0.011 χ^2/NDF: 113.6/94

- sign -0.005+/-0.016 χ^2/NDF: 56.5/48



Right In: 93.430+/-0.021 χ^2/NDF: 1605245.9/20

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

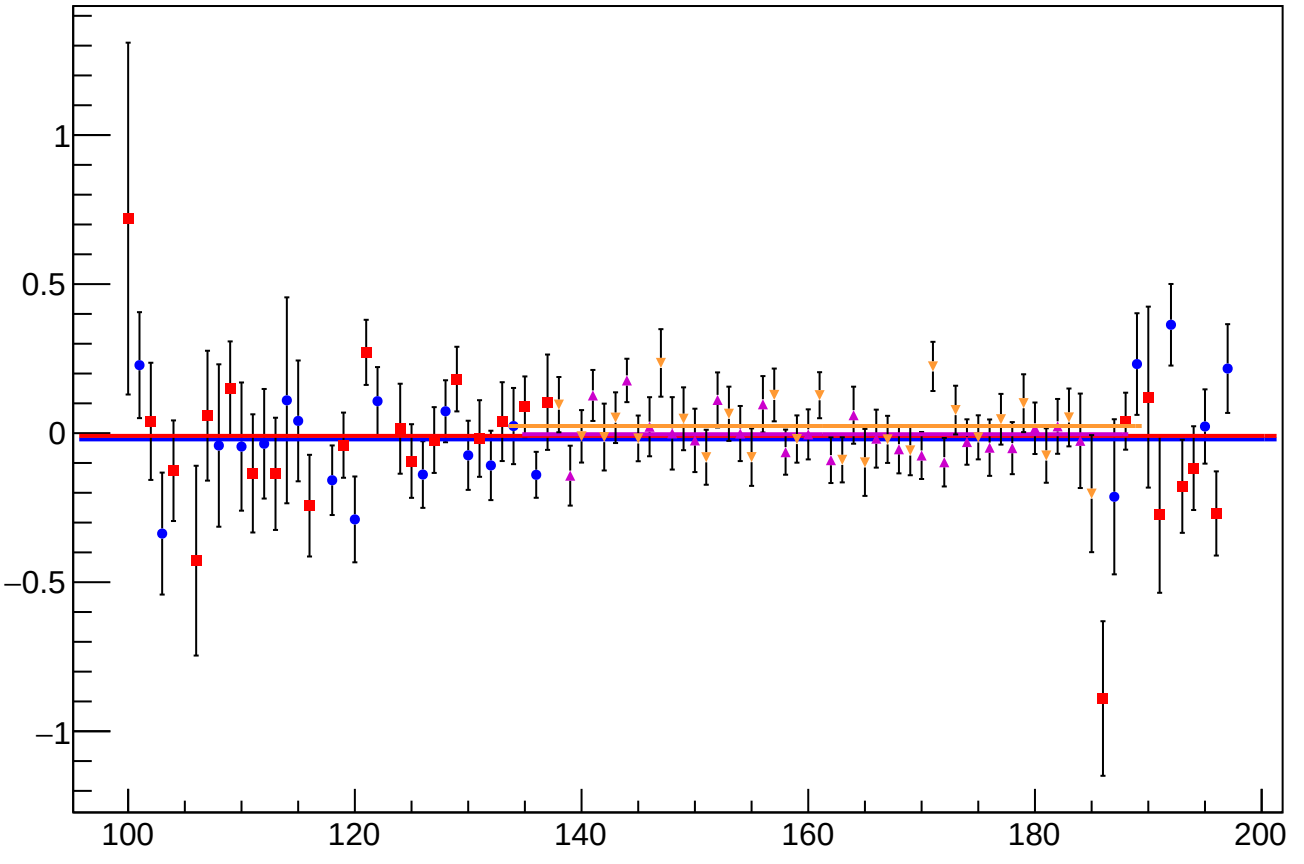
Right Out: 94.313+/-0.020 χ^2/NDF: 1846477.7/25

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 82.011+/-0.011 χ^2/NDF: 2438511.7/45

All: 82.615+/-0.008 χ^2/NDF: 5210515.7/94

- sign 83.240+/-0.011 χ^2/NDF: 2765694.8/48



Right In: -0.021+/-0.030 χ^2/NDF: 29.2/20

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

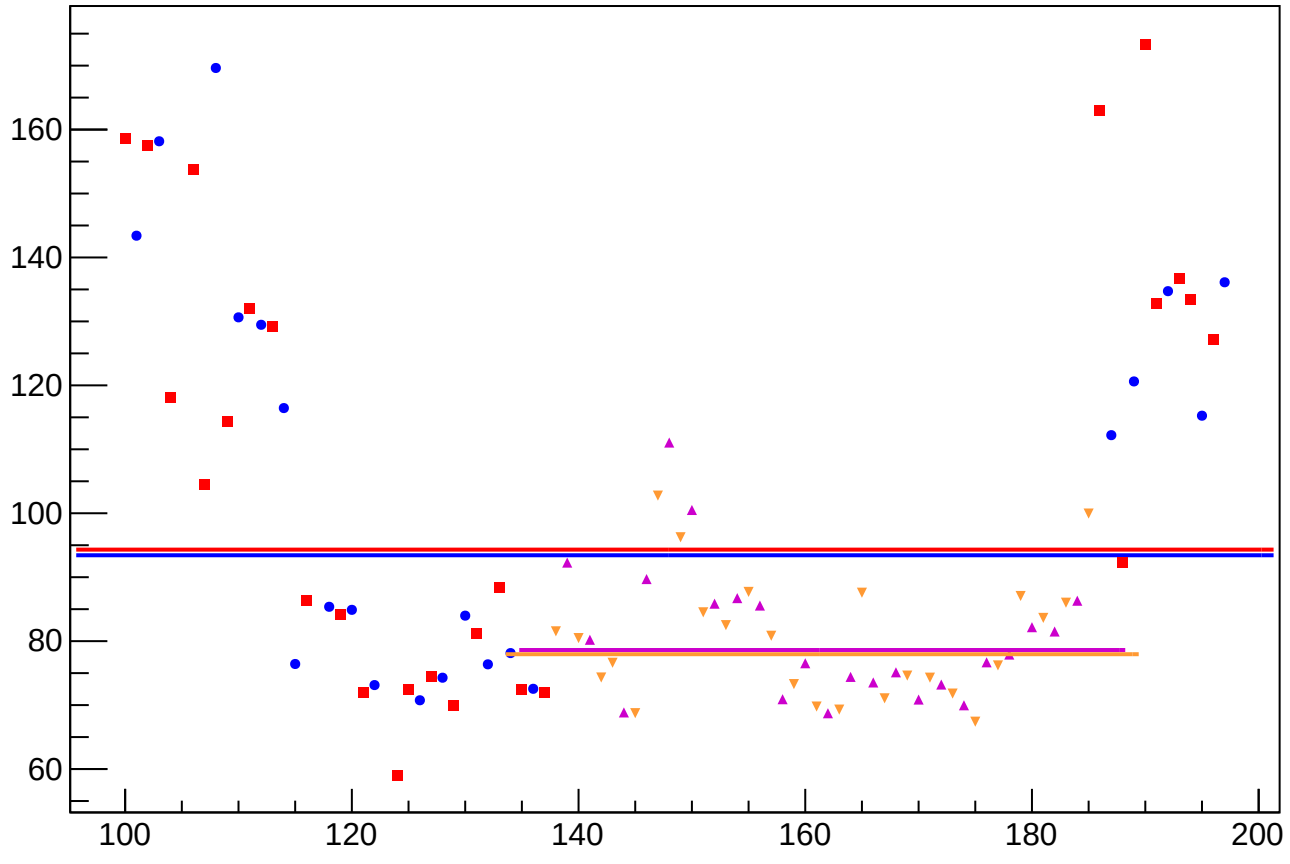
Right Out: -0.009+/-0.029 χ^2/NDF: 37.6/25

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.012+/-0.015 χ^2/NDF: 56.4/45

All: 0.004+/-0.011 χ^2/NDF: 113.6/94

- sign -0.005+/-0.016 χ^2/NDF: 56.5/48



Right In: 93.430+/-0.021 χ^2/NDF: 1605245.9/20

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

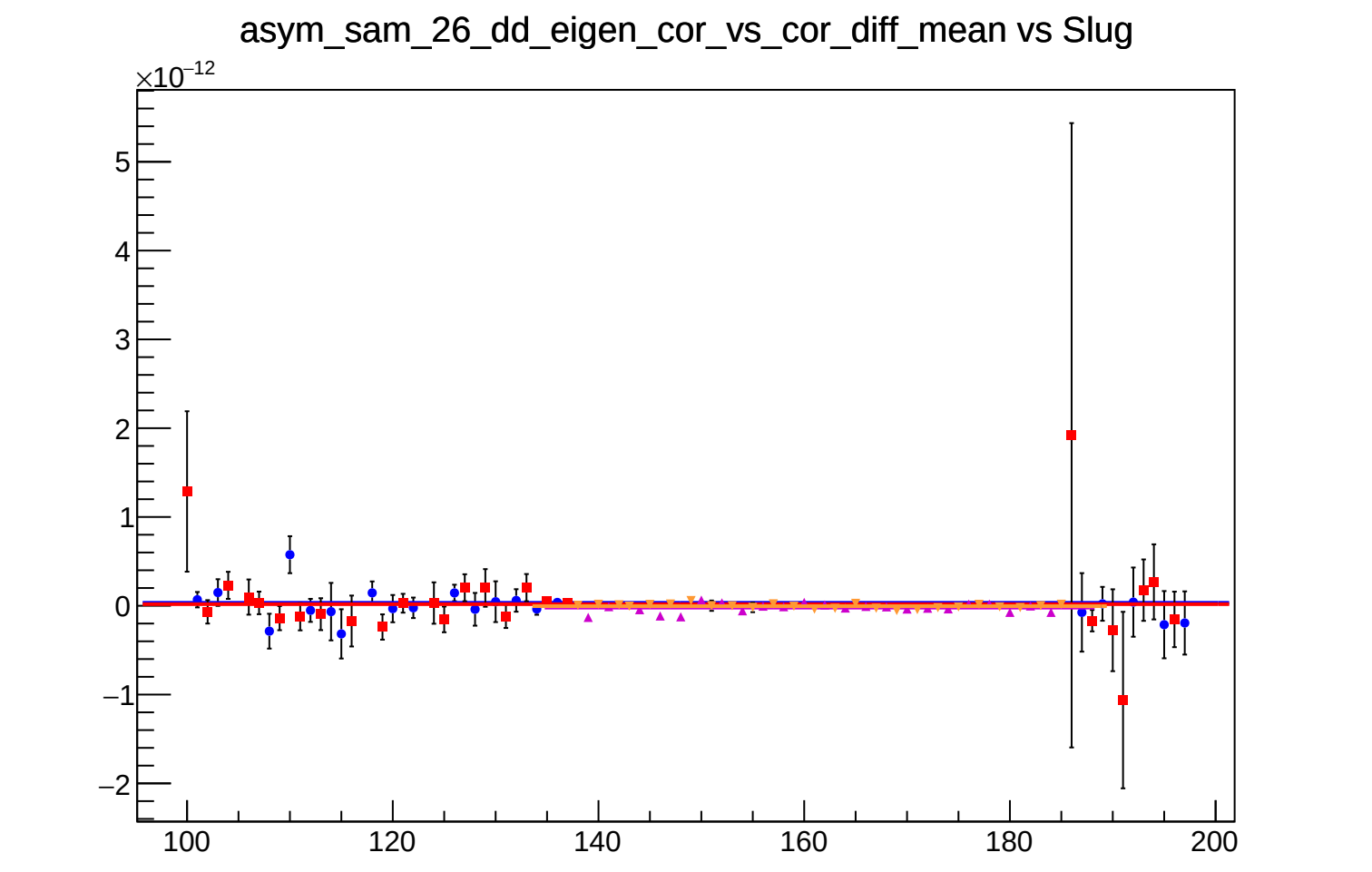
Right Out: 94.313+/-0.020 χ^2/NDF: 1846477.7/25

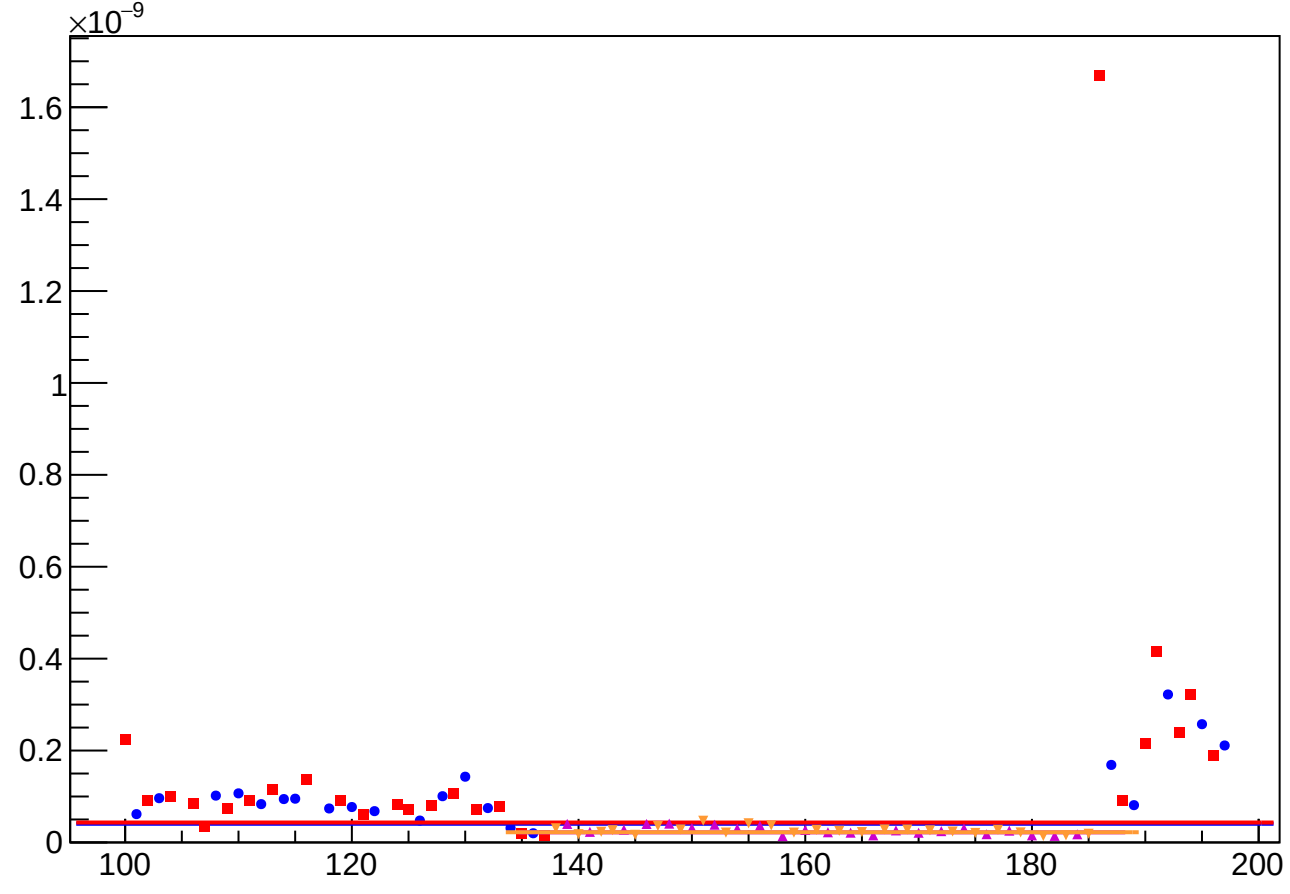
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 82.011+/-0.011 χ^2/NDF: 2438511.7/45

All: 82.615+/-0.008 χ^2/NDF: 5210515.7/94

- sign 83.240+/-0.011 χ^2/NDF: 2765694.8/48


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: 17.3/20
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.1/25
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 33.5/45
All: -0.000+/-0.000 χ²/NDF: 103.5/94
- sign -0.000+/-0.000 χ²/NDF: 66.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 5908216.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7468878.6/25

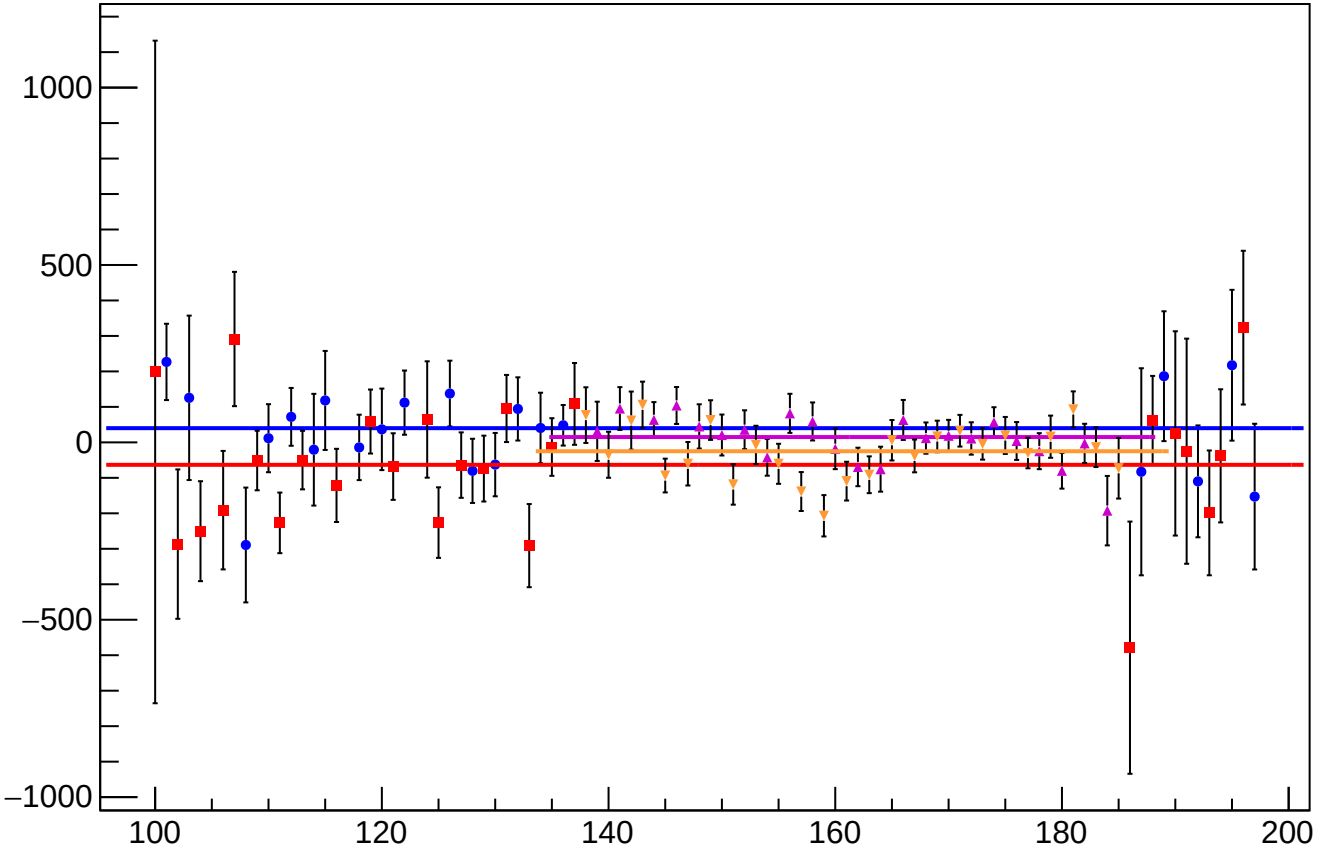
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9698426.1/45

All: 0.000+/-0.000 χ^2/NDF: 21760866.2/94

- sign 0.000+/-0.000 χ^2/NDF: 12062363.3/48

reg_asym_sam_37_dd_mean vs Slug



Right In: 40.021+/-23.349 χ^2/NDF: 16.9/20

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -63.281+/-23.229 χ^2/NDF: 32.4/25

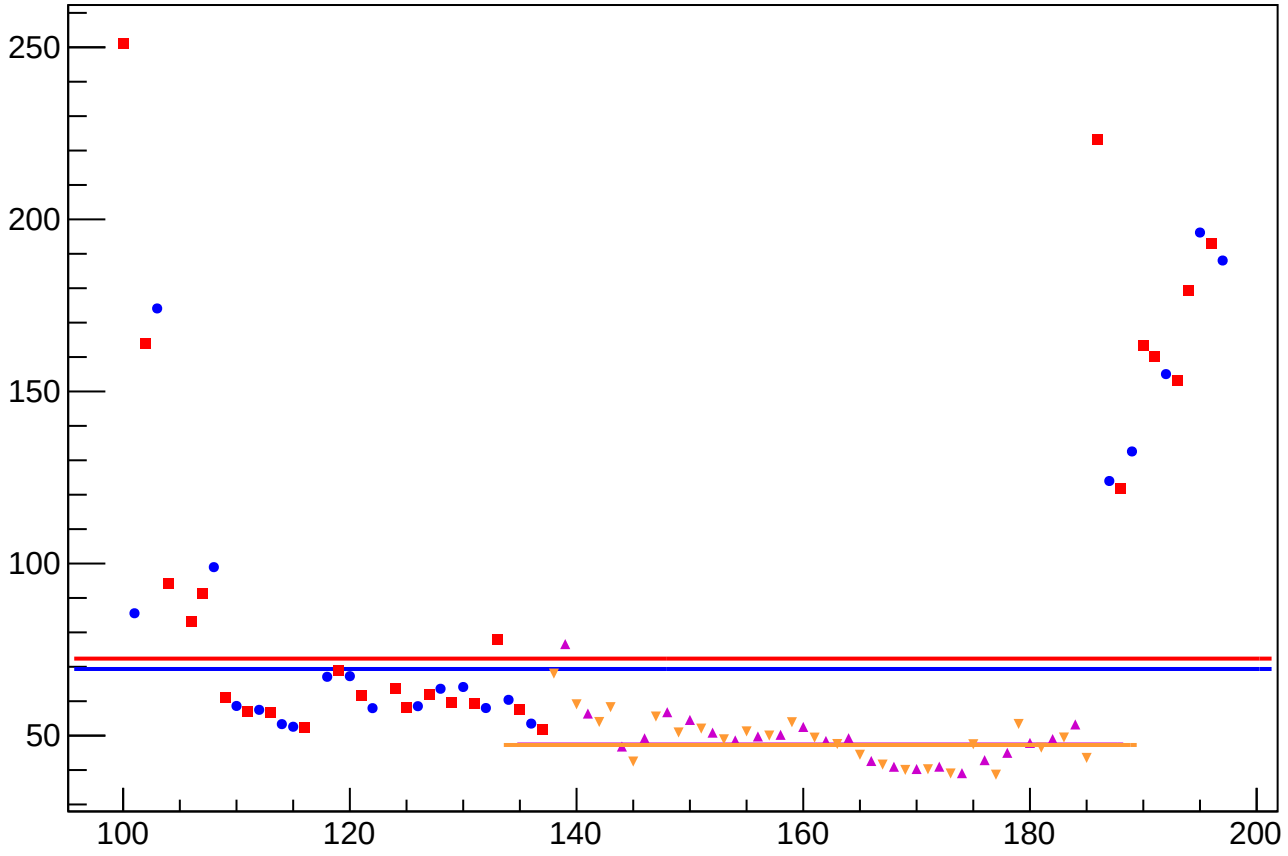
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.377+/-9.868 χ^2/NDF: 66.3/45

All: -6.752+/-7.059 χ^2/NDF: 133.6/94

- sign 0.191+/-10.102 χ^2/NDF: 66.4/48

reg_asym_sam_37_dd_rms vs Slug



Right In: 69.361+/-0.017 χ^2/NDF: 3195744.2/20

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 72.378+/-0.016 χ^2/NDF: 3805500.8/25

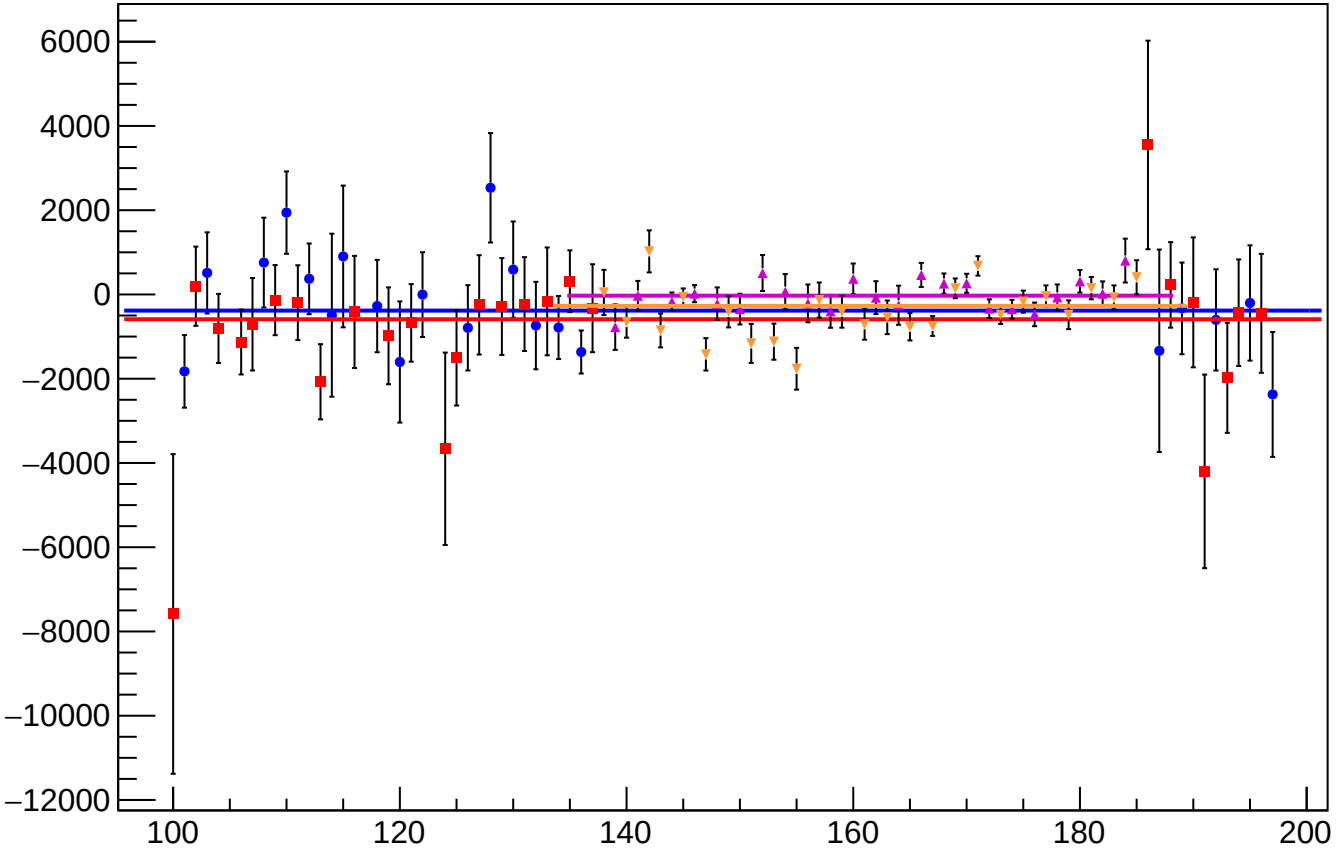
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.227+/-0.007 χ^2/NDF: 5381766.8/45

All: 51.675+/-0.005 χ^2/NDF: 11722867.1/94

- sign 52.144+/-0.007 χ^2/NDF: 6332660.3/48

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -383.209+/-222.052 χ^2/NDF: 24.8/20

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -589.048+/-214.306 χ^2/NDF: 19.6/25

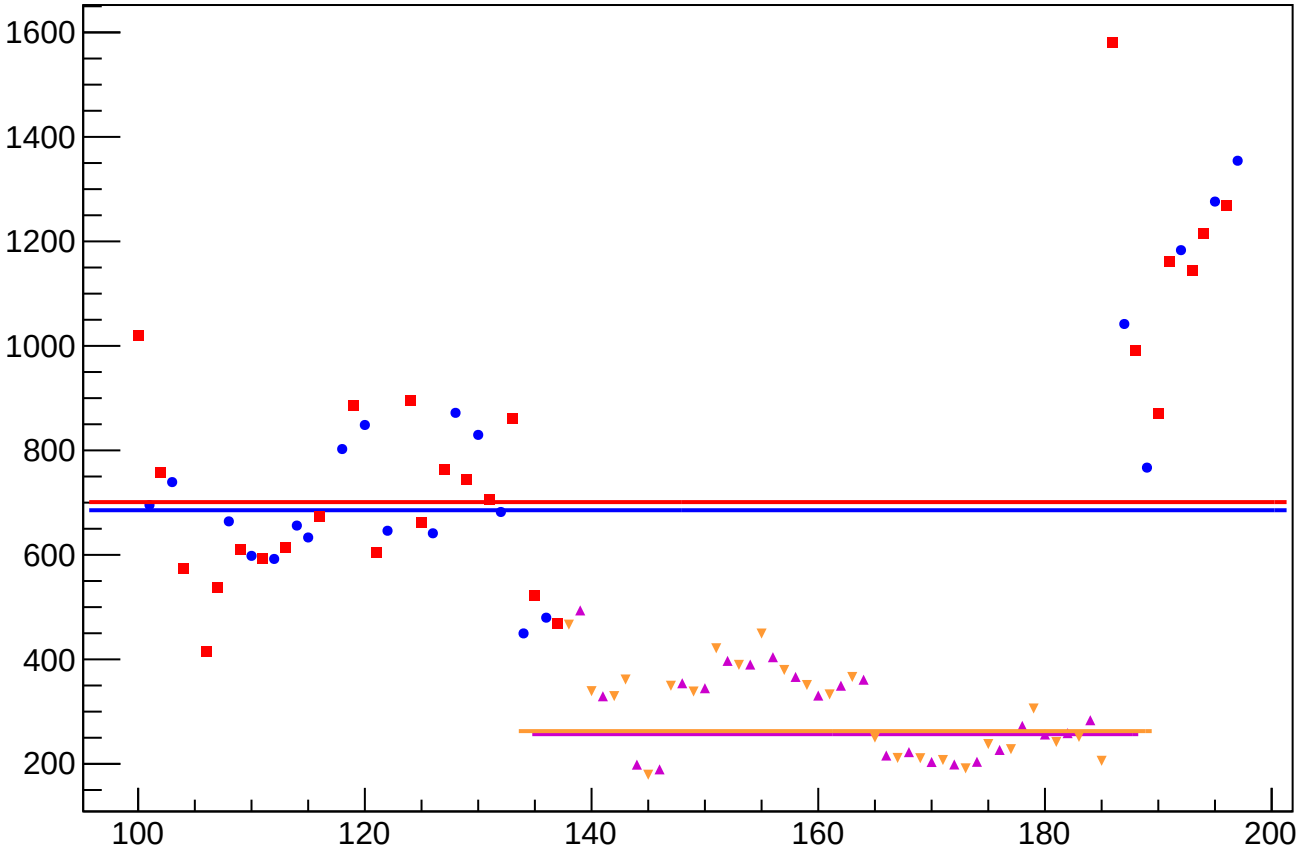
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -279.229+/-60.025 χ^2/NDF: 98.9/45

All: -176.484+/-42.489 χ^2/NDF: 155.1/94

- sign -73.306+/-60.151 χ^2/NDF: 50.3/48

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 685.456+/-0.157 χ^2/NDF: 1880128.6/20

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 701.023+/-0.152 χ^2/NDF: 2213730.9/25

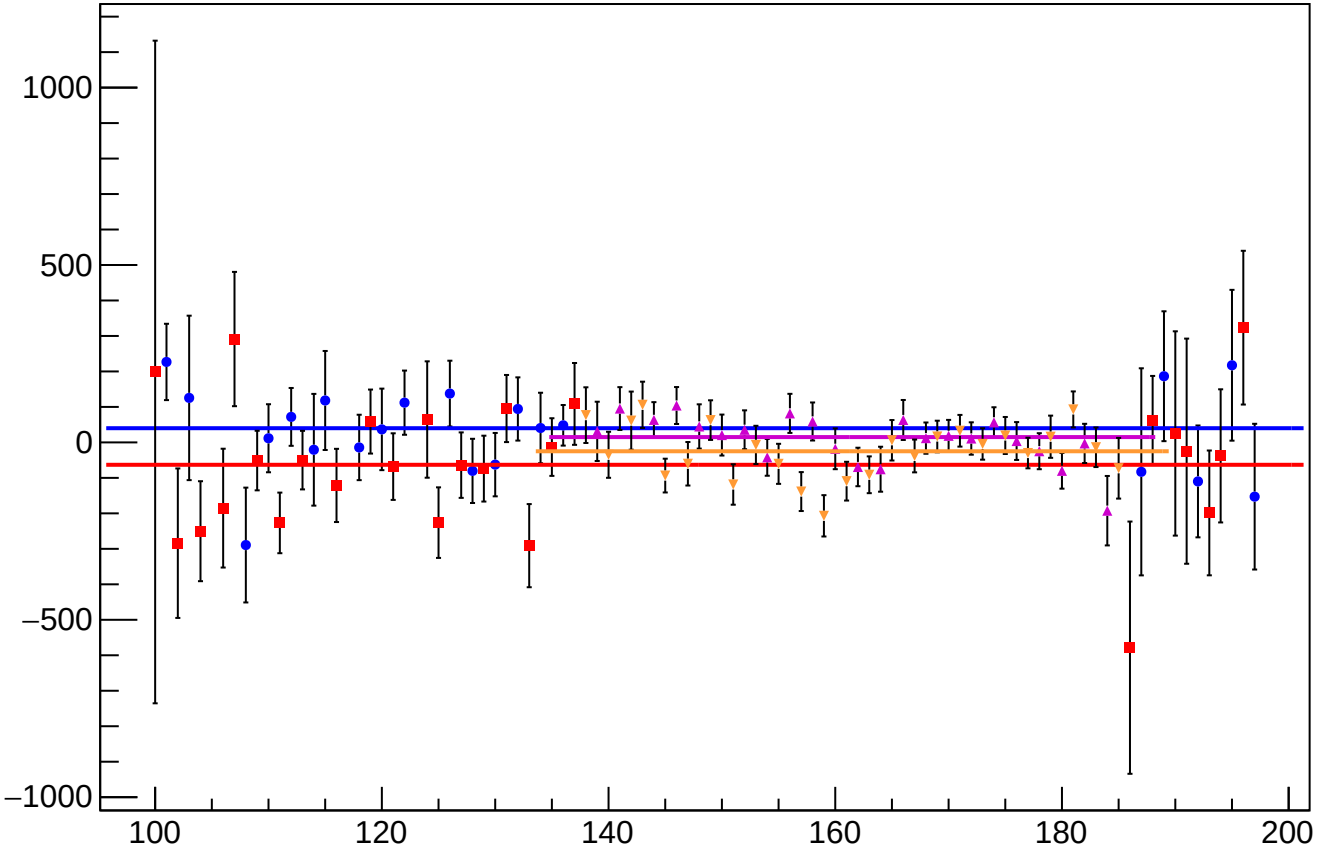
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 293.572+/-0.042 χ^2/NDF: 11493668.7/45

All: 292.705+/-0.030 χ^2/NDF: 24262308.3/94

- sign 291.835+/-0.043 χ^2/NDF: 12767804.3/48

cor_asym_sam_37_dd_mean vs Slug



Right In: 40.015+/-23.349 χ^2/NDF: 16.9/20

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -63.113+/-23.230 χ^2/NDF: 32.4/25

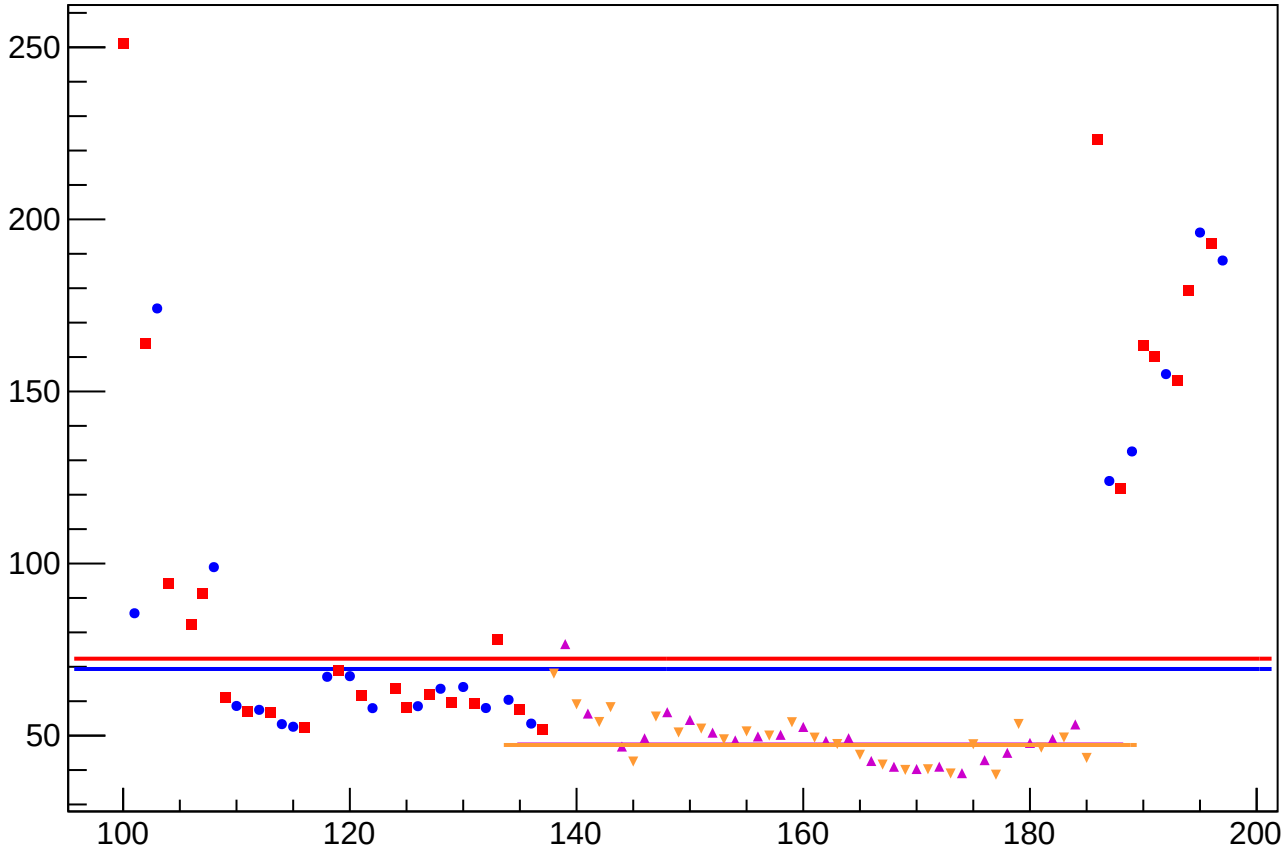
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.376+/-9.868 χ^2/NDF: 66.3/45

All: -6.736+/-7.059 χ^2/NDF: 133.5/94

- sign 0.223+/-10.102 χ^2/NDF: 66.3/48

cor_asym_sam_37_dd_rms vs Slug



Right In: 69.361+/-0.017 χ^2/NDF: 3195746.5/20

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

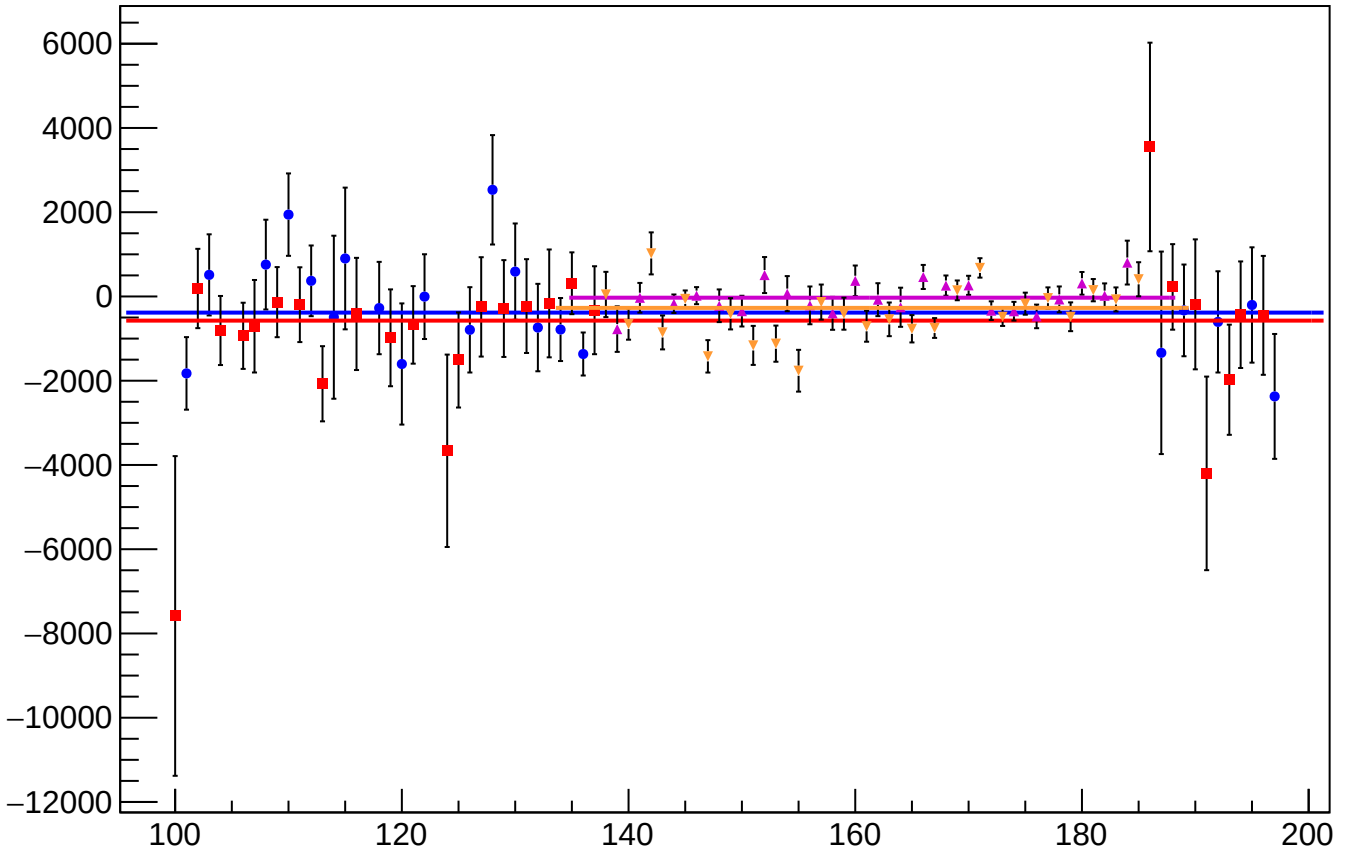
Right Out: 72.357+/-0.016 χ^2/NDF: 3804127.8/25

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 51.227+/-0.007 χ^2/NDF: 5381768.5/45

All: 51.672+/-0.005 χ^2/NDF: 11718116.9/94

- sign 52.140+/-0.007 χ^2/NDF: 6327988.7/48



Right In: -383.209+/-222.054 χ^2/NDF: 24.8/20

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -573.322+/-214.643 χ^2/NDF: 19.3/25

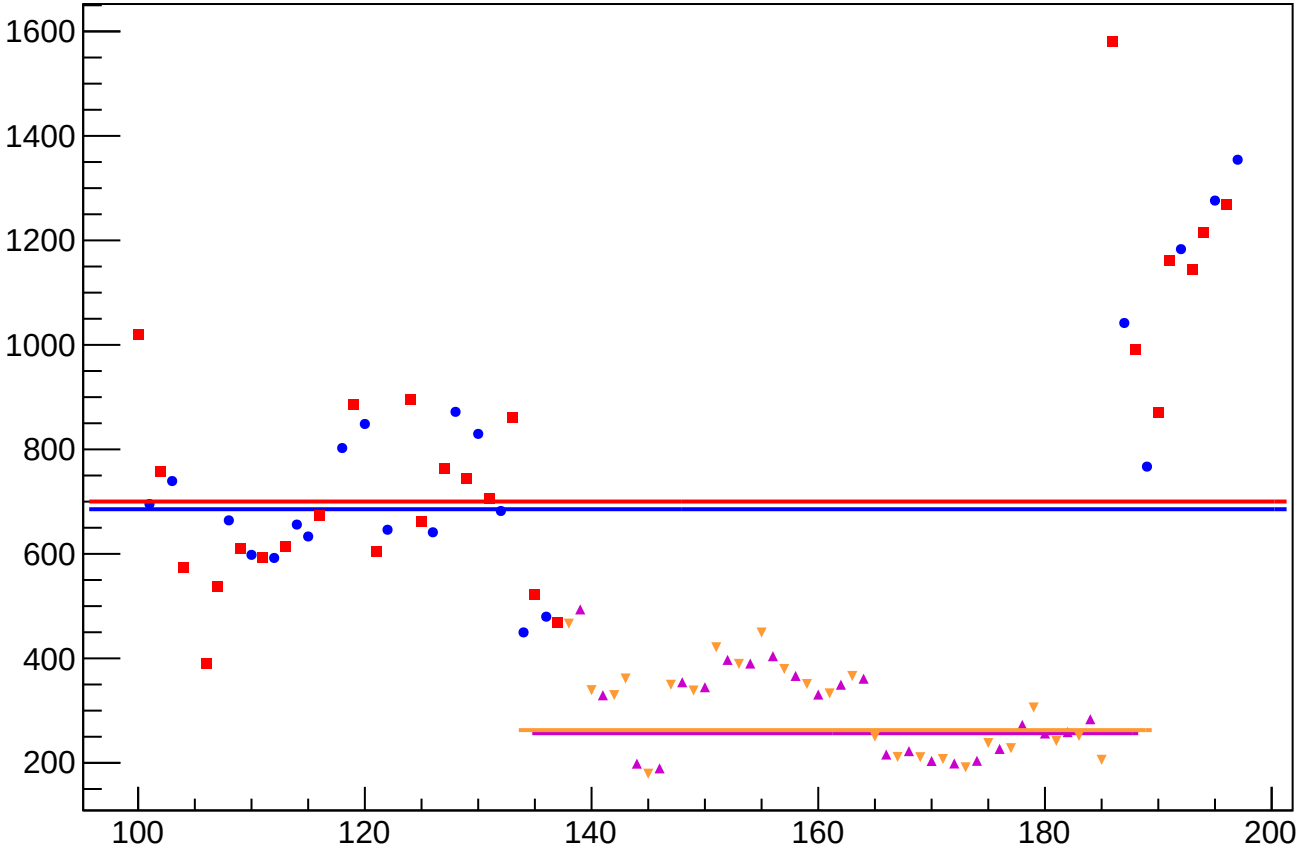
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -279.224+/-60.025 χ^2/NDF: 98.9/45

All: -175.815+/-42.491 χ^2/NDF: 154.5/94

- sign -71.945+/-60.159 χ^2/NDF: 49.6/48

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 685.459+/-0.157 χ^2/NDF: 1880143.1/20

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 700.177+/-0.152 χ^2/NDF: 2248352.4/25

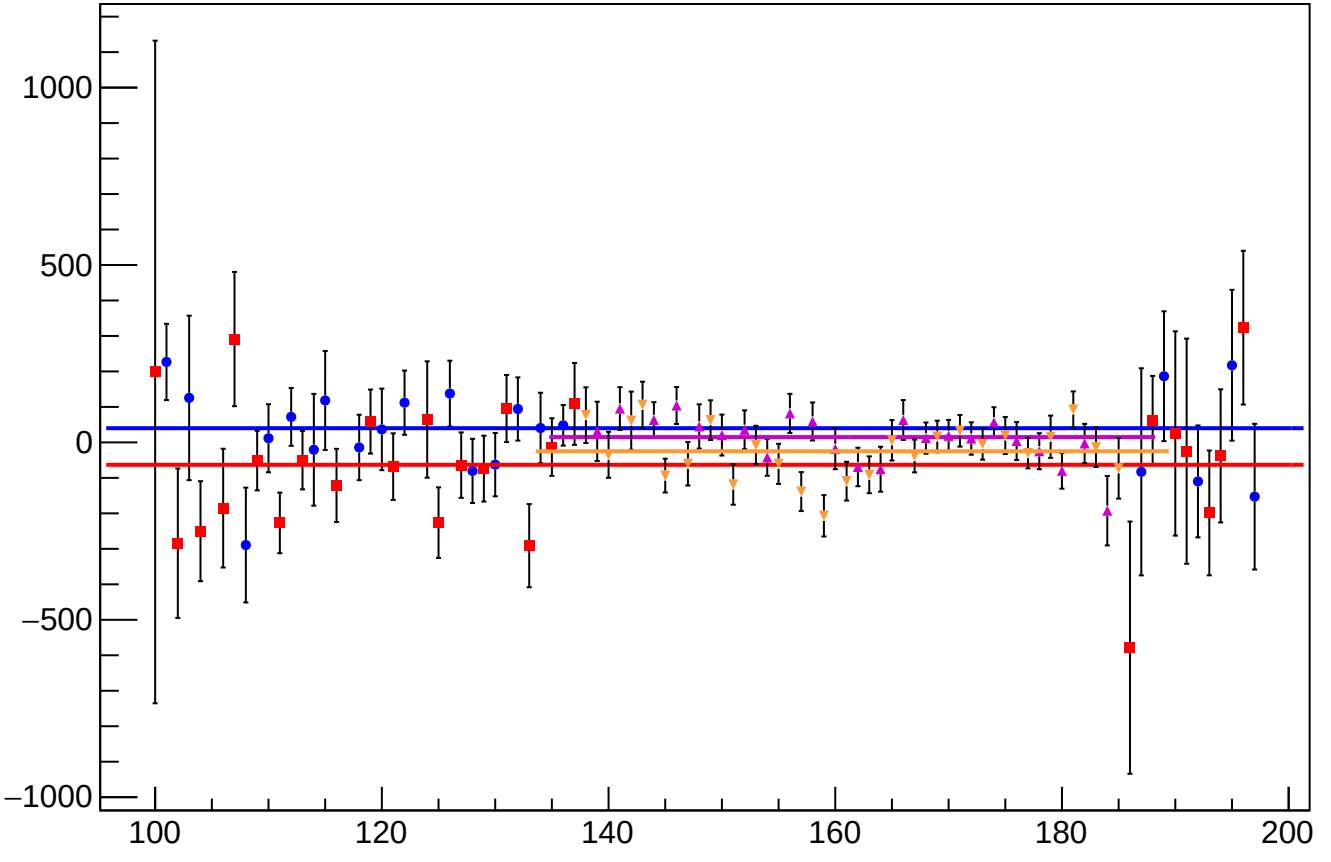
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 293.572+/-0.042 χ^2/NDF: 11493722.0/45

All: 292.622+/-0.030 χ^2/NDF: 24244237.7/94

- sign 291.668+/-0.043 χ^2/NDF: 12749511.7/48

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 40.015+/-23.349 χ^2/NDF: 16.9/20

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -63.113+/-23.230 χ^2/NDF: 32.4/25

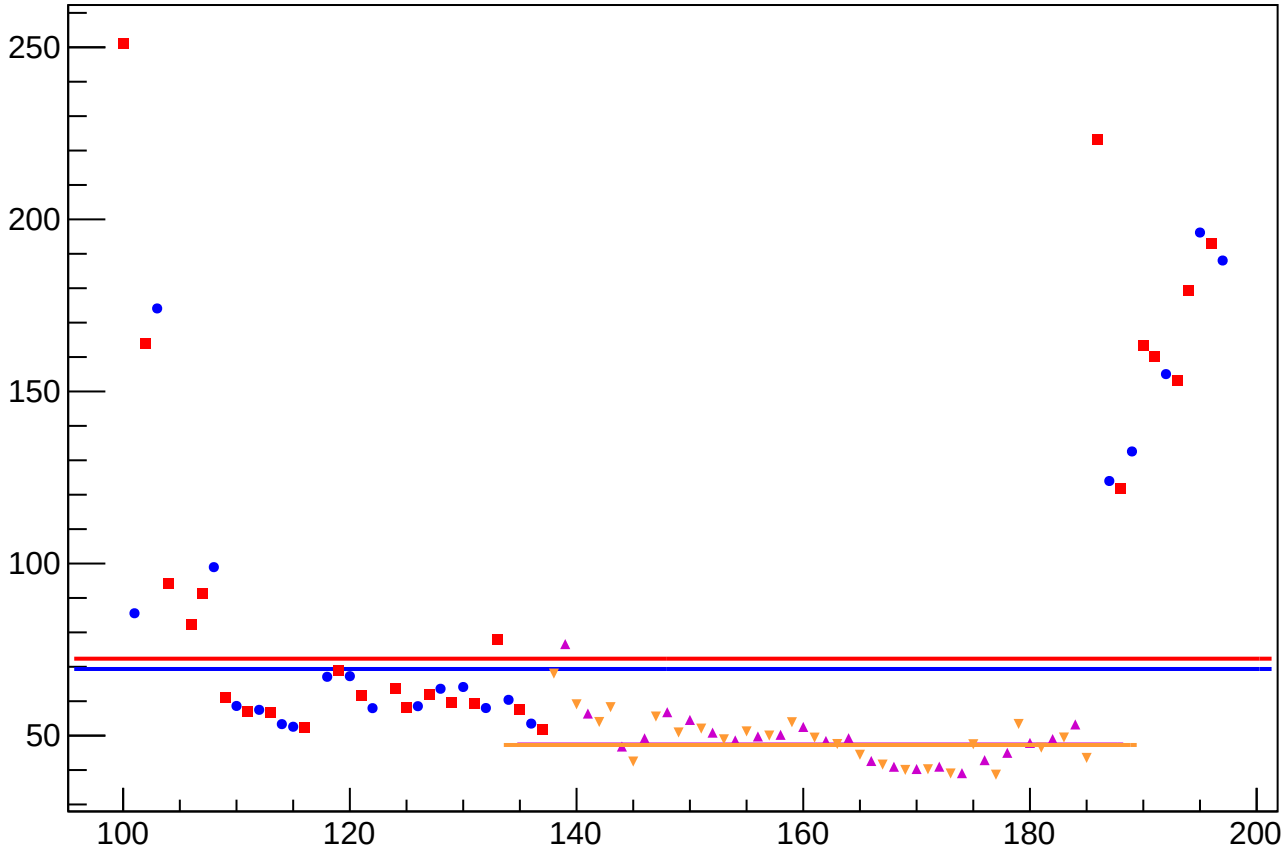
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.376+/-9.868 χ^2/NDF: 66.3/45

All: -6.736+/-7.059 χ^2/NDF: 133.5/94

- sign 0.223+/-10.102 χ^2/NDF: 66.3/48

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 69.361+/-0.017 χ^2/NDF: 3195746.5/20

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

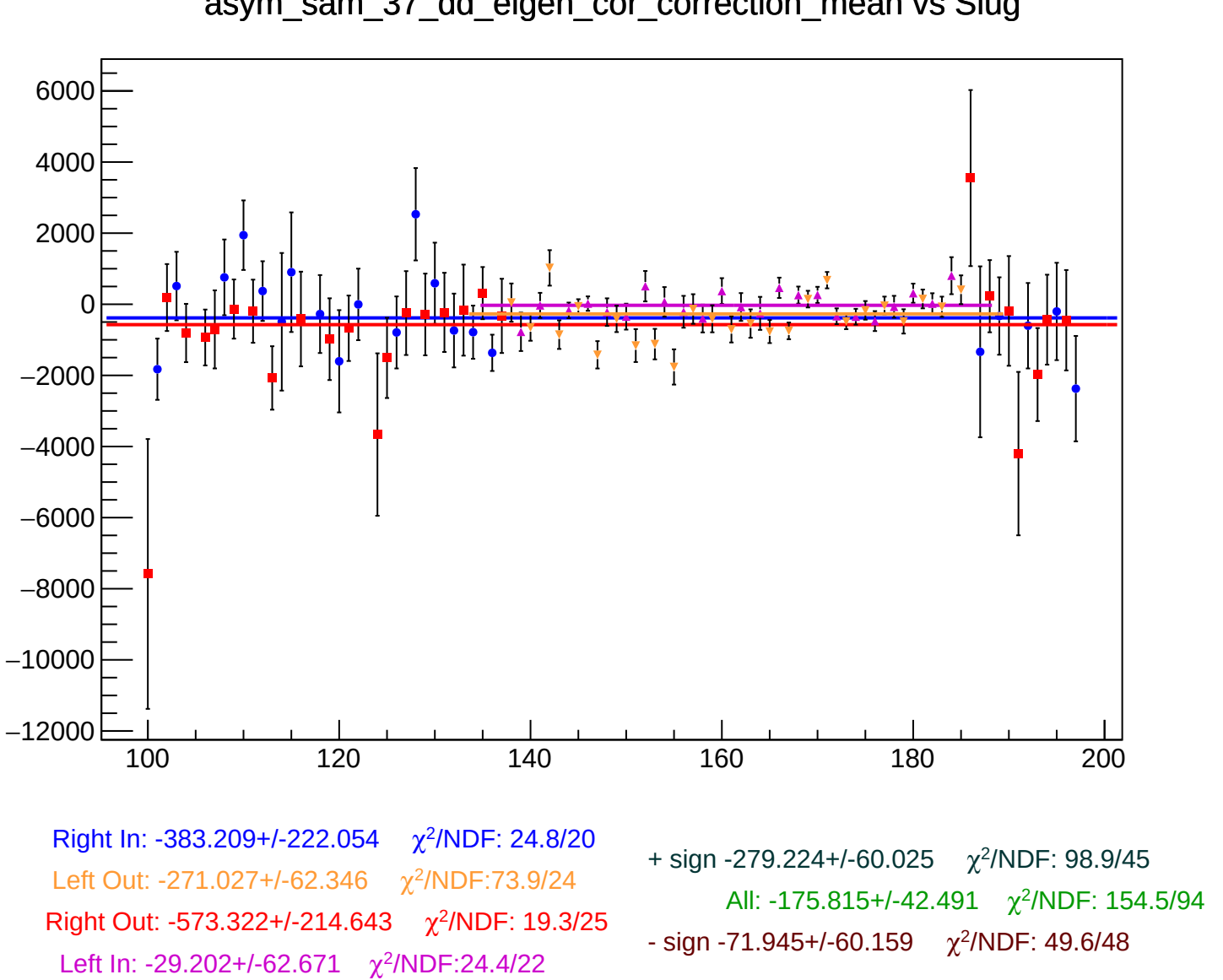
Right Out: 72.357+/-0.016 χ^2/NDF: 3804127.8/25

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

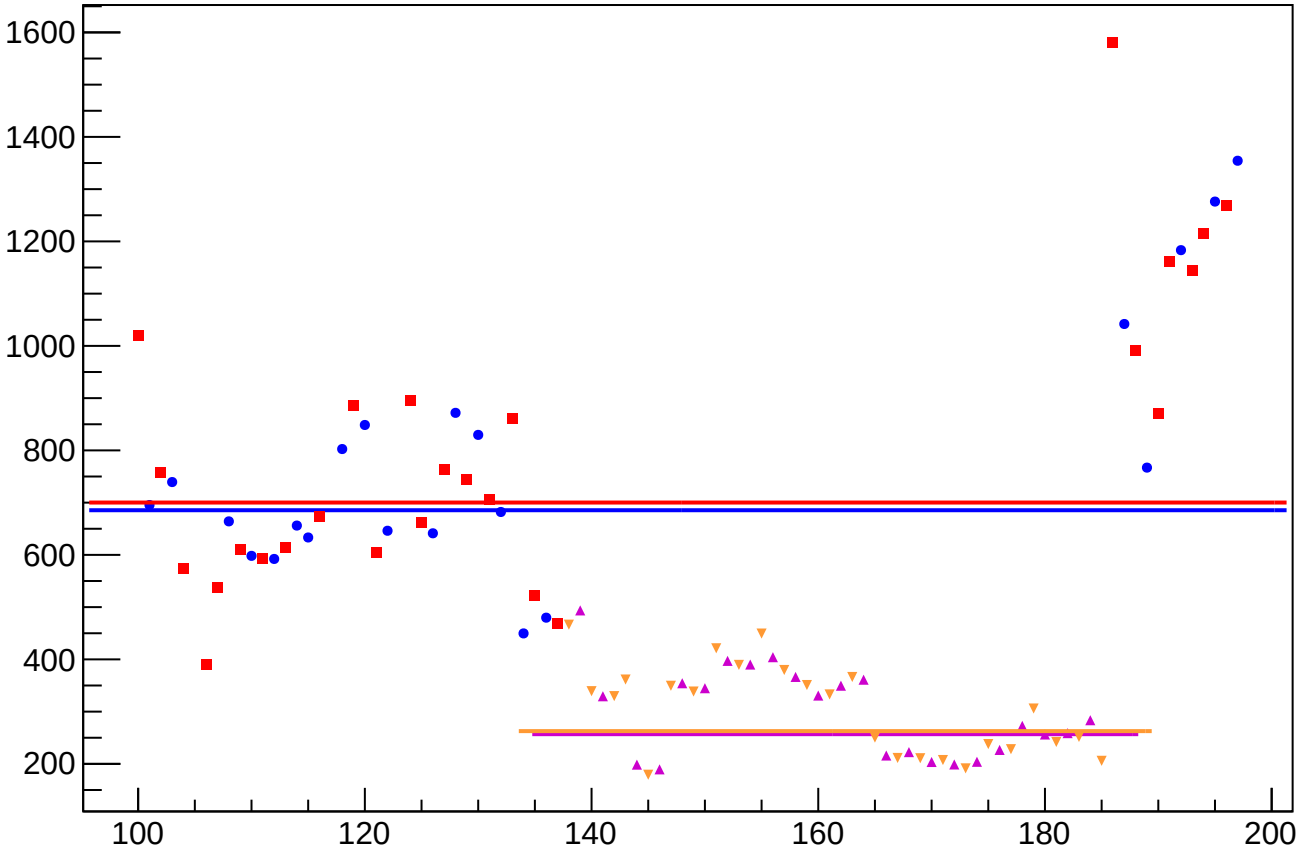
+ sign 51.227+/-0.007 χ^2/NDF: 5381768.5/45

All: 51.672+/-0.005 χ^2/NDF: 11718116.9/94

- sign 52.140+/-0.007 χ^2/NDF: 6327988.7/48


asym_sam_37_dd_eigen_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -383.209+/-222.054 χ²/NDF: 24.8/20
Left Out: -271.027+/-62.346 χ²/NDF:73.9/24
Right Out: -573.322+/-214.643 χ²/NDF: 19.3/25
Left In: -29.202+/-62.671 χ²/NDF:24.4/22
+ sign -279.224+/-60.025 χ²/NDF: 98.9/45
All: -175.815+/-42.491 χ²/NDF: 154.5/94
- sign -71.945+/-60.159 χ²/NDF: 49.6/48

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 685.459+/-0.157 χ^2/NDF: 1880143.1/20

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 700.177+/-0.152 χ^2/NDF: 2248352.4/25

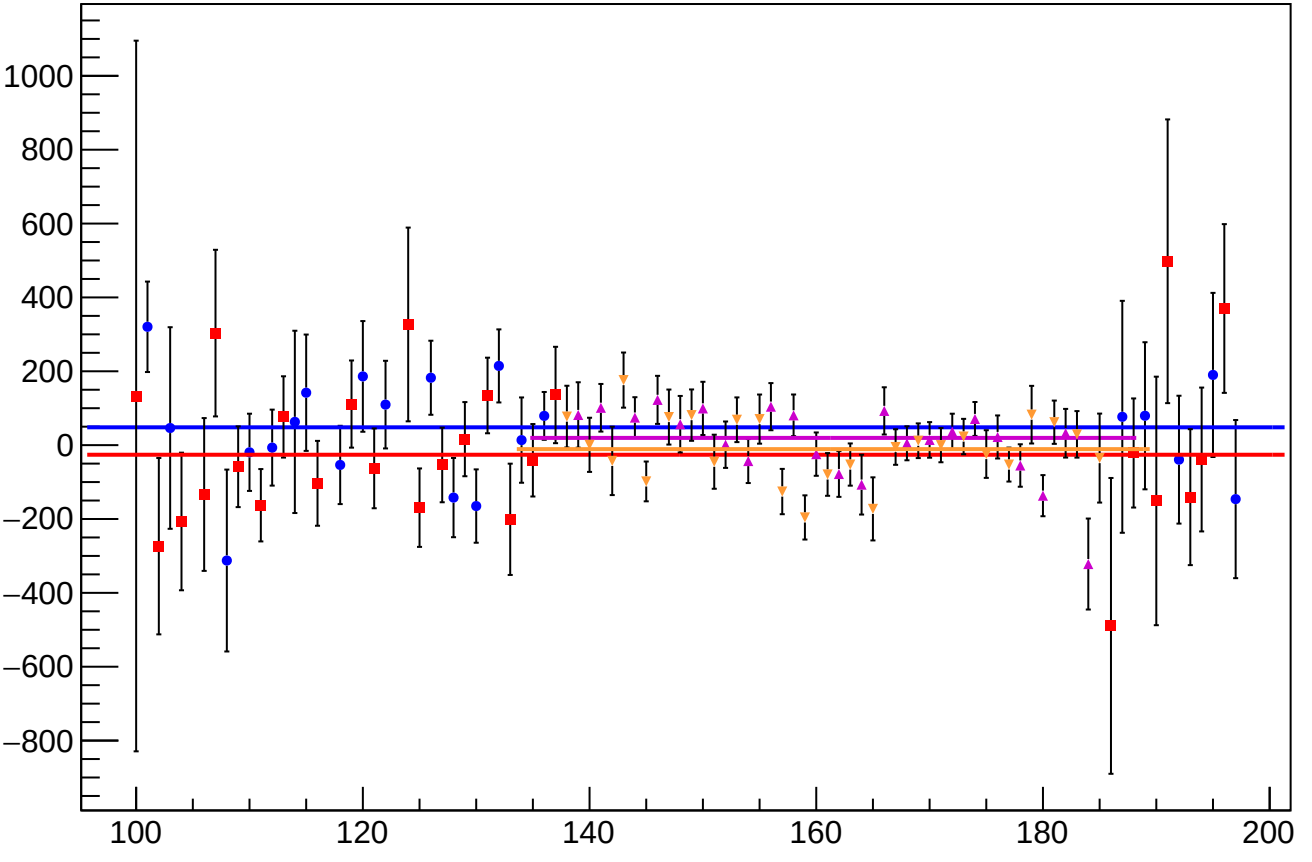
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 293.572+/-0.042 χ^2/NDF: 11493722.0/45

All: 292.622+/-0.030 χ^2/NDF: 24244237.7/94

- sign 291.668+/-0.043 χ^2/NDF: 12749511.7/48

dit_asym_sam_37_dd_mean vs Slug



Right In: 48.263+/-27.137 χ^2/NDF: 24.4/20

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -26.005+/-27.326 χ^2/NDF: 25.3/25

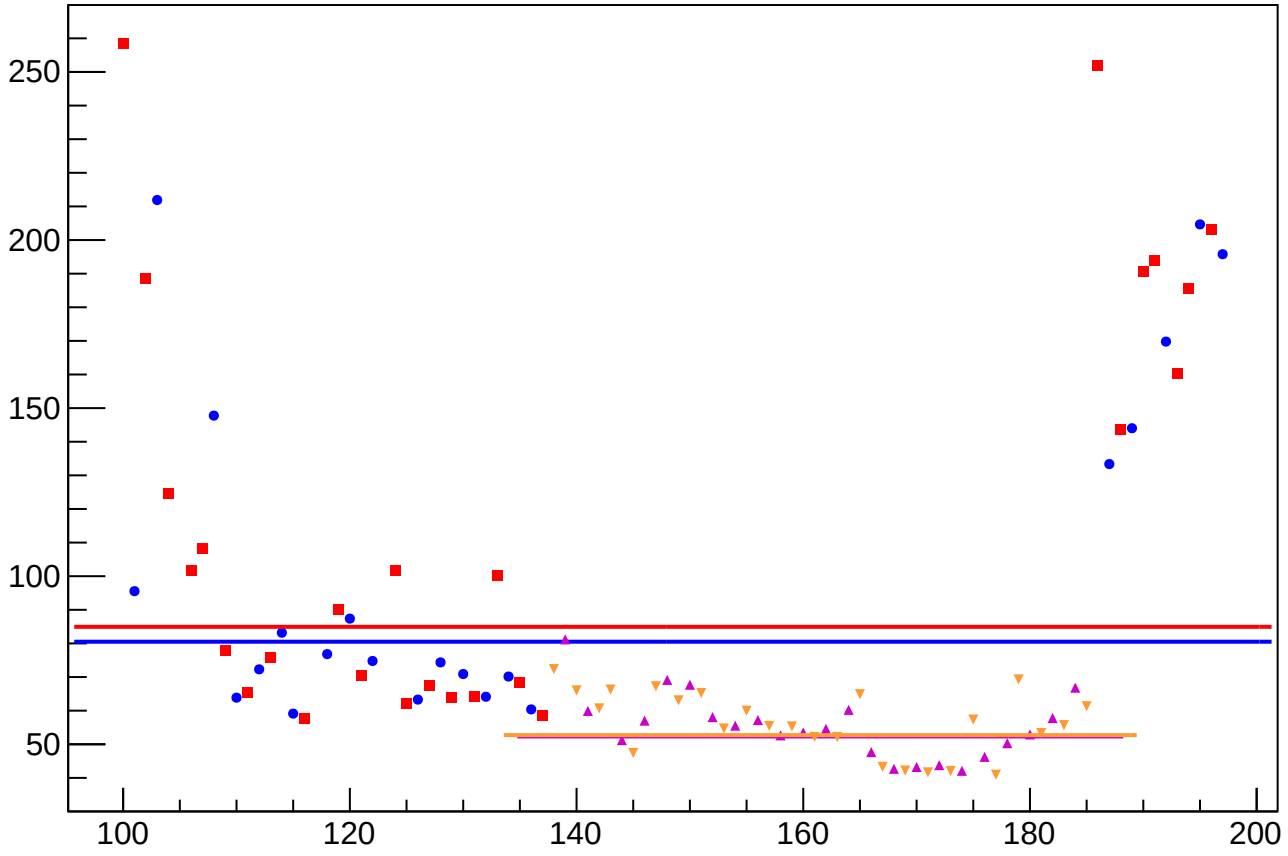
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.745+/-11.208 χ^2/NDF: 68.7/45

All: 5.350+/-7.993 χ^2/NDF: 133.6/94

- sign 11.658+/-11.402 χ^2/NDF: 64.3/48

dit_asym_sam_37_dd_rms vs Slug



Right In: 80.512+/-0.019 χ^2/NDF: 3099094.2/20

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

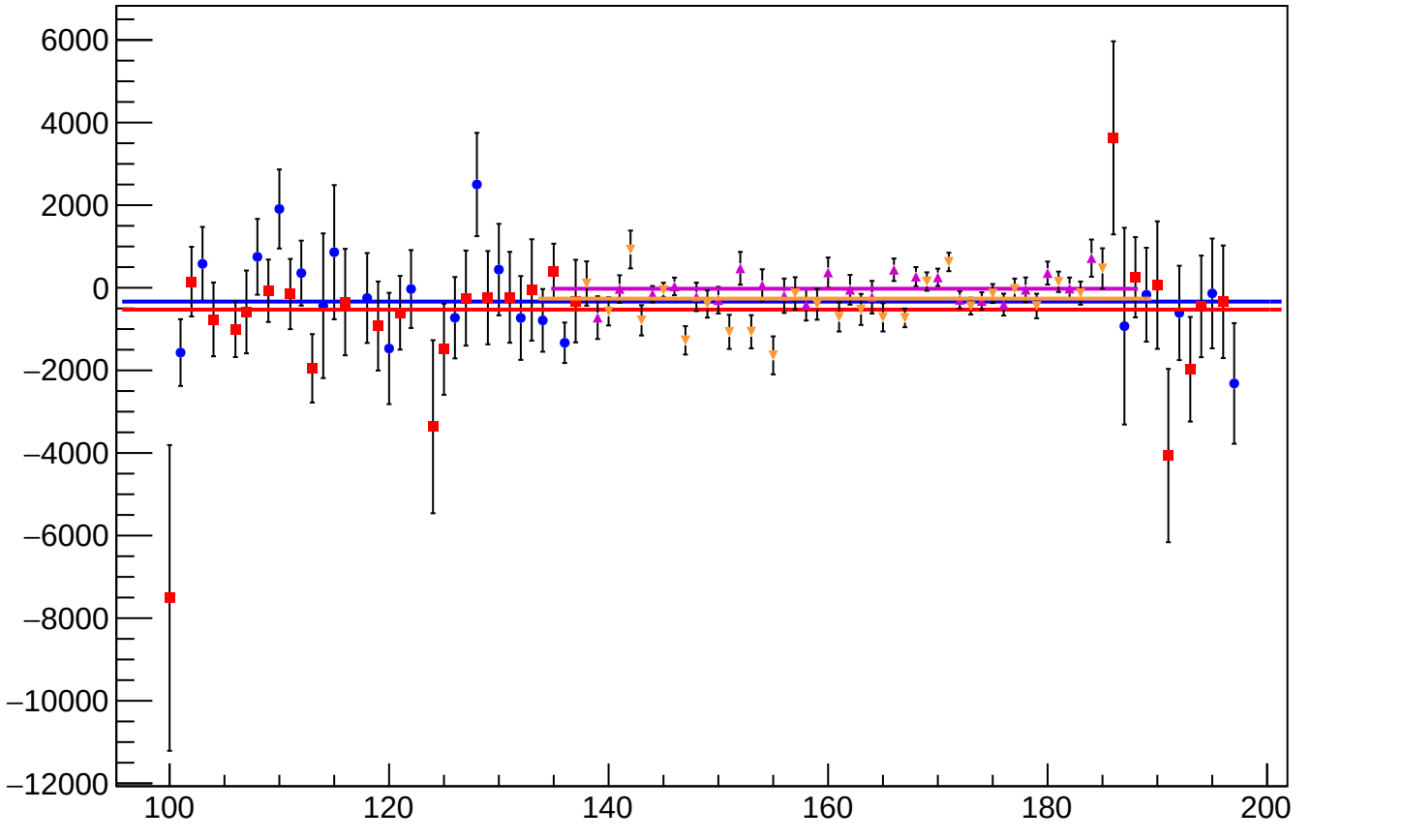
Right Out: 84.944+/-0.019 χ^2/NDF: 3740514.4/25

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 57.470+/-0.008 χ^2/NDF: 6004851.8/45

All: 57.727+/-0.006 χ^2/NDF: 12994717.9/94

- sign 57.994+/-0.008 χ^2/NDF: 6987710.4/48



Right In: -334.205+/-213.081 χ^2/NDF: 24.9/20

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -528.031+/-203.268 χ^2/NDF: 21.4/25

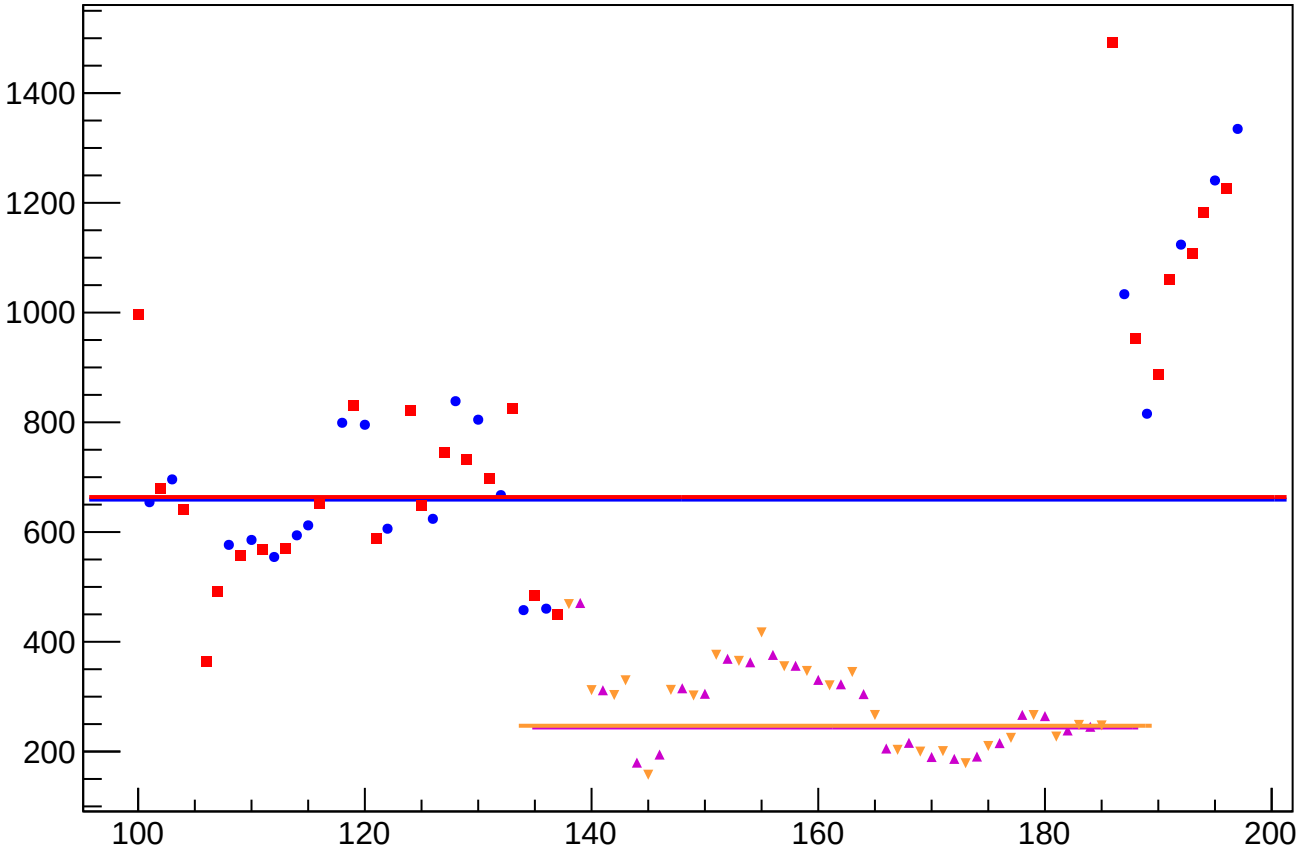
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -267.602+/-56.413 χ^2/NDF: 97.2/45

All: -166.462+/-40.100 χ^2/NDF: 154.9/94

- sign -63.163+/-57.012 χ^2/NDF: 51.2/48

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 659.168+/-0.151 χ^2/NDF: 1910409.0/20

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 663.796+/-0.144 χ^2/NDF: 2408621.1/25

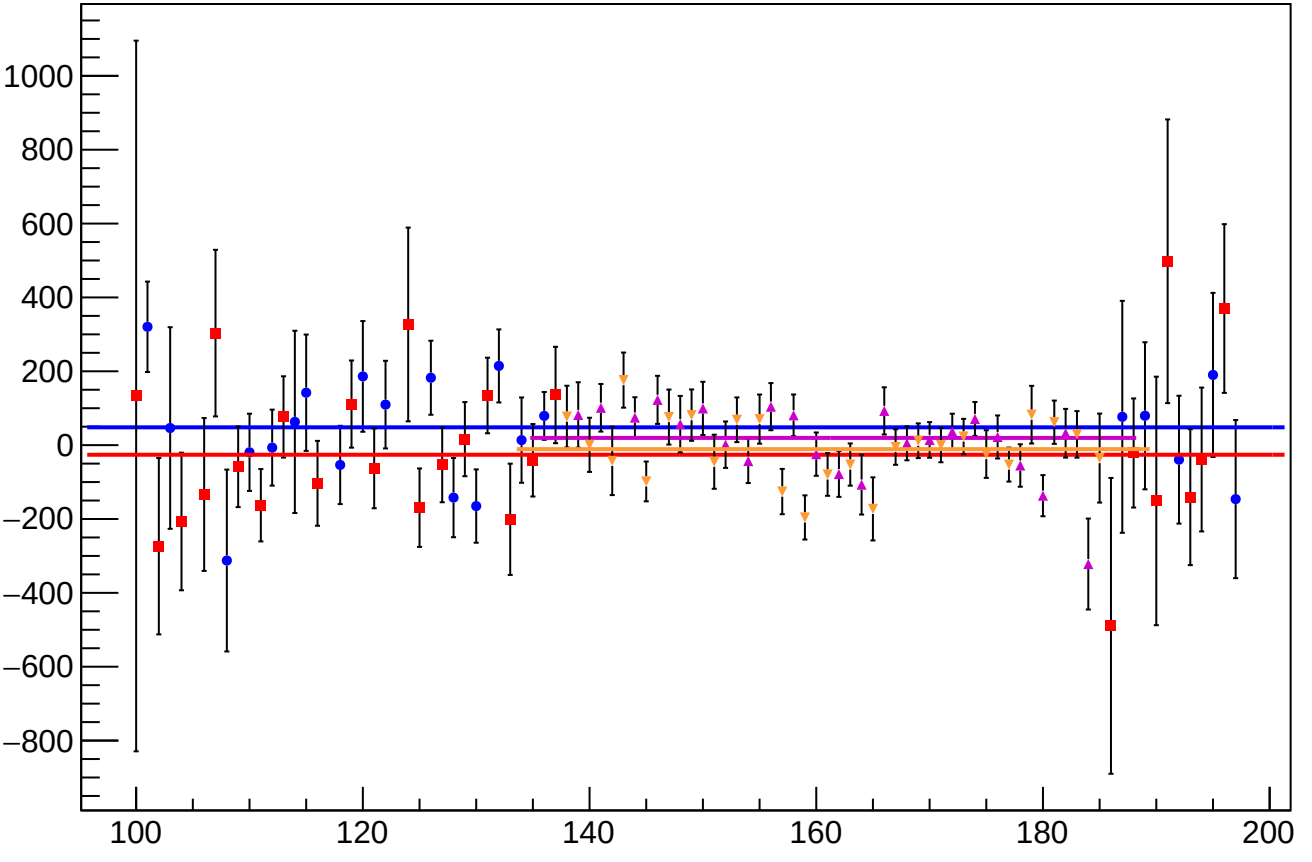
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 275.886+/-0.040 χ^2/NDF: 11794979.5/45

All: 276.370+/-0.028 χ^2/NDF: 24560327.5/94

- sign 276.864+/-0.040 χ^2/NDF: 12765050.7/48

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 48.263+/-27.137 χ^2/NDF: 24.4/20

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -26.004+/-27.326 χ^2/NDF: 25.3/25

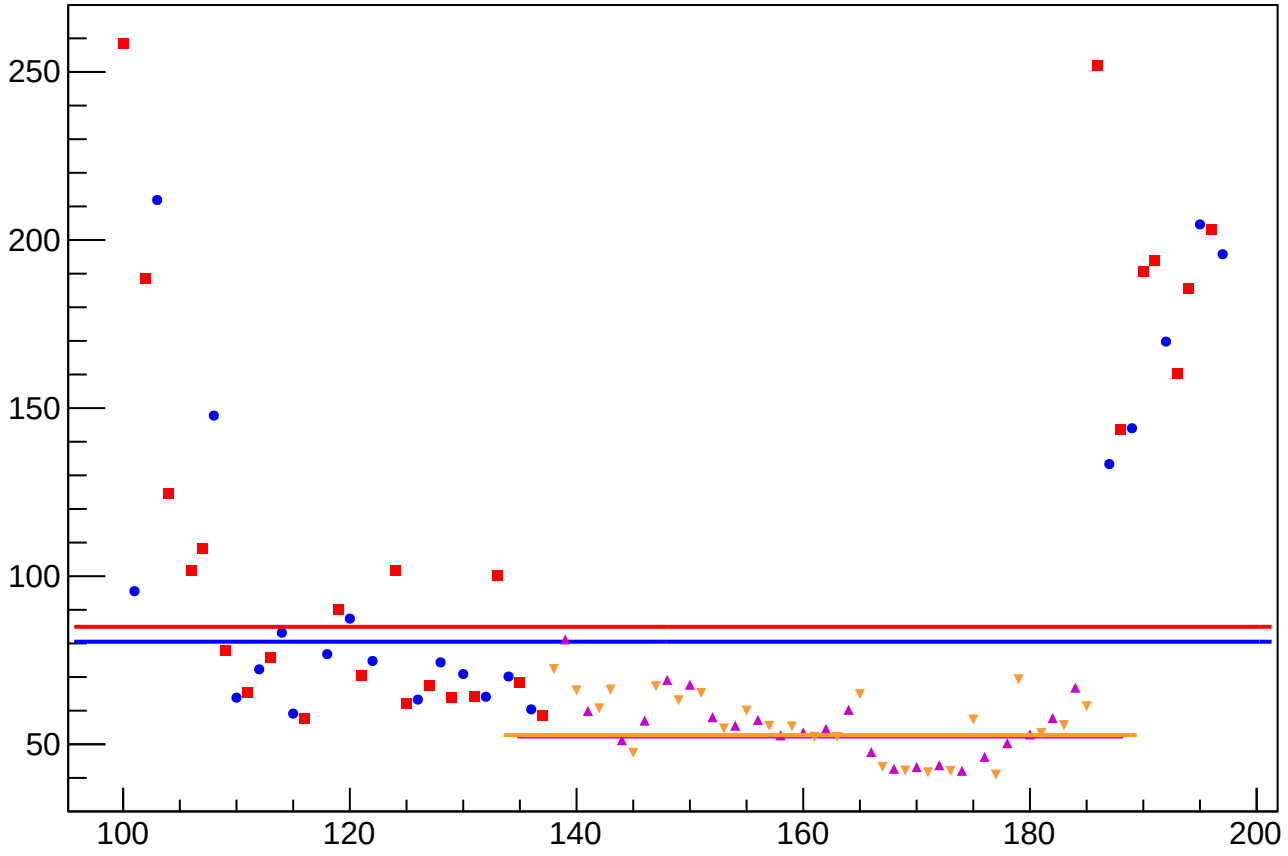
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

\+ sign -0.744+/-11.208 χ^2/NDF: 68.7/45

All: 5.351+/-7.993 χ^2/NDF: 133.6/94

\- sign 11.659+/-11.402 χ^2/NDF: 64.3/48

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 80.512+/-0.019 χ^2/NDF: 3099113.4/20

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

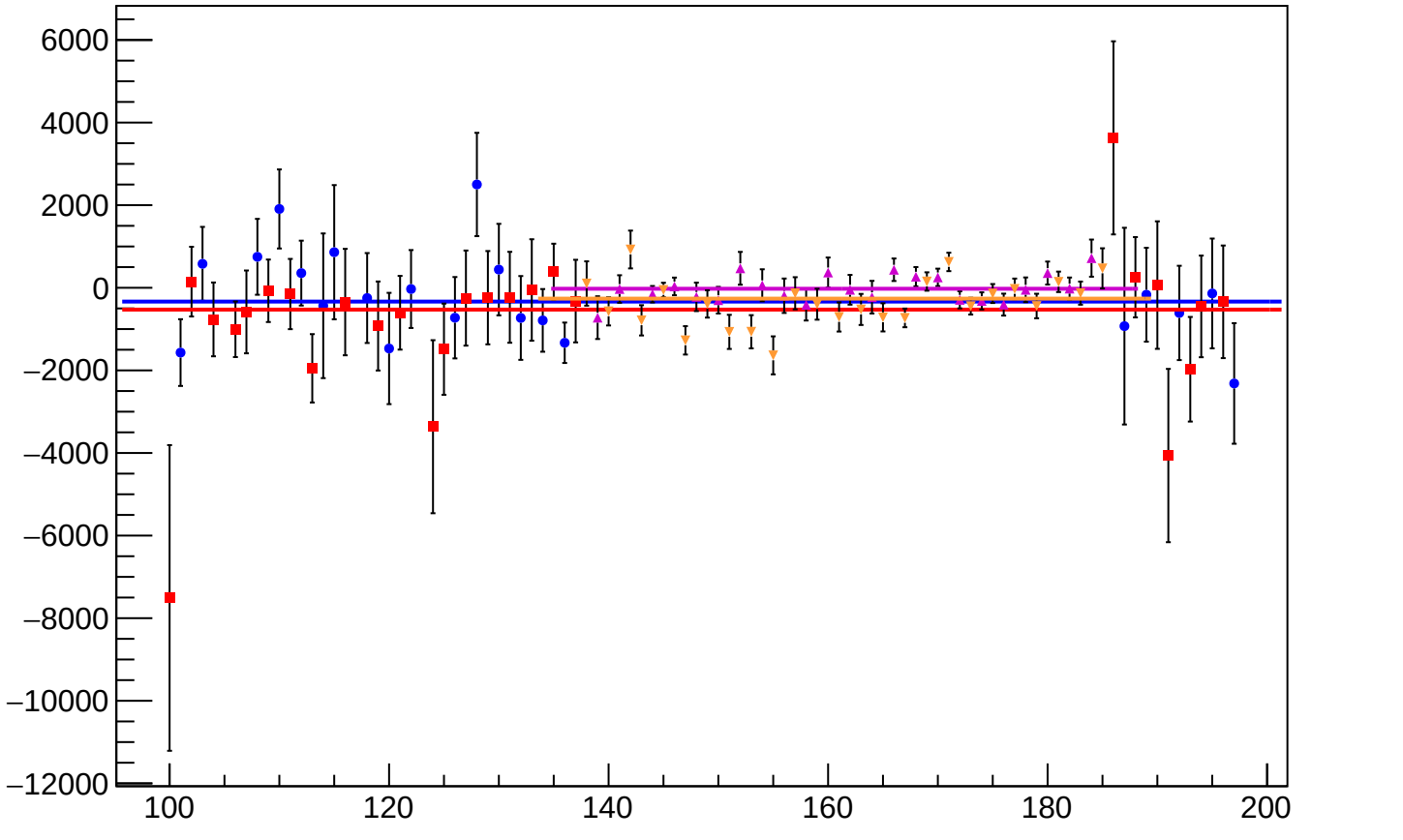
Right Out: 84.944+/-0.019 χ^2/NDF: 3740513.1/25

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

\+ sign 57.470+/-0.008 χ^2/NDF: 6004873.5/45

All: 57.728+/-0.006 χ^2/NDF: 12994728.7/94

\- sign 57.994+/-0.008 χ^2/NDF: 6987699.6/48



Right In: -334.205+/-213.081 χ^2/NDF: 24.9/20

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

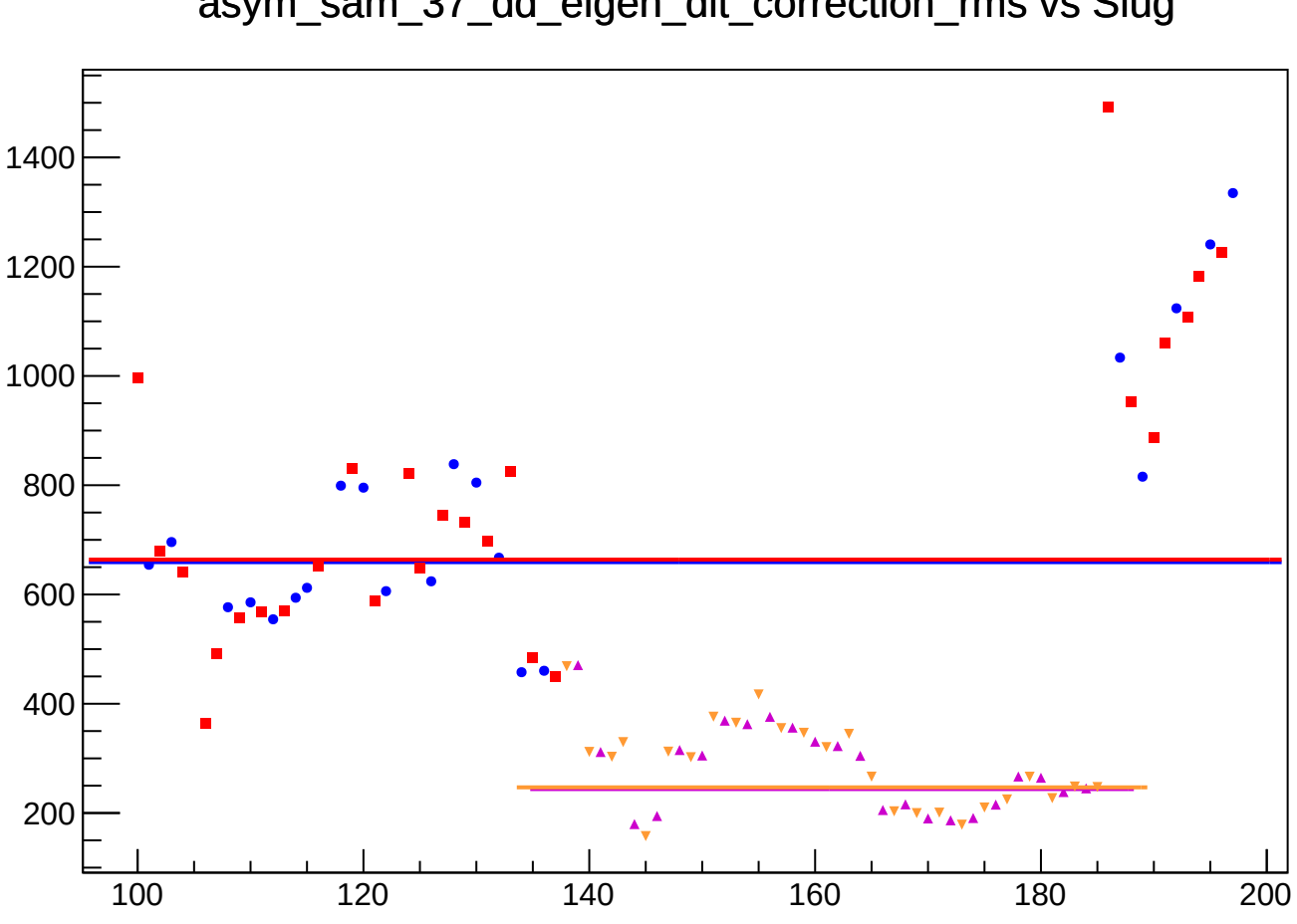
Right Out: -528.030+/-203.267 χ^2/NDF: 21.4/25

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -267.602+/-56.413 χ^2/NDF: 97.2/45

All: -166.462+/-40.100 χ^2/NDF: 154.9/94

- sign -63.162+/-57.012 χ^2/NDF: 51.2/48



Right In: 659.169+/-0.151 χ^2/NDF: 1910397.8/20

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 663.795+/-0.144 χ^2/NDF: 2408614.7/25

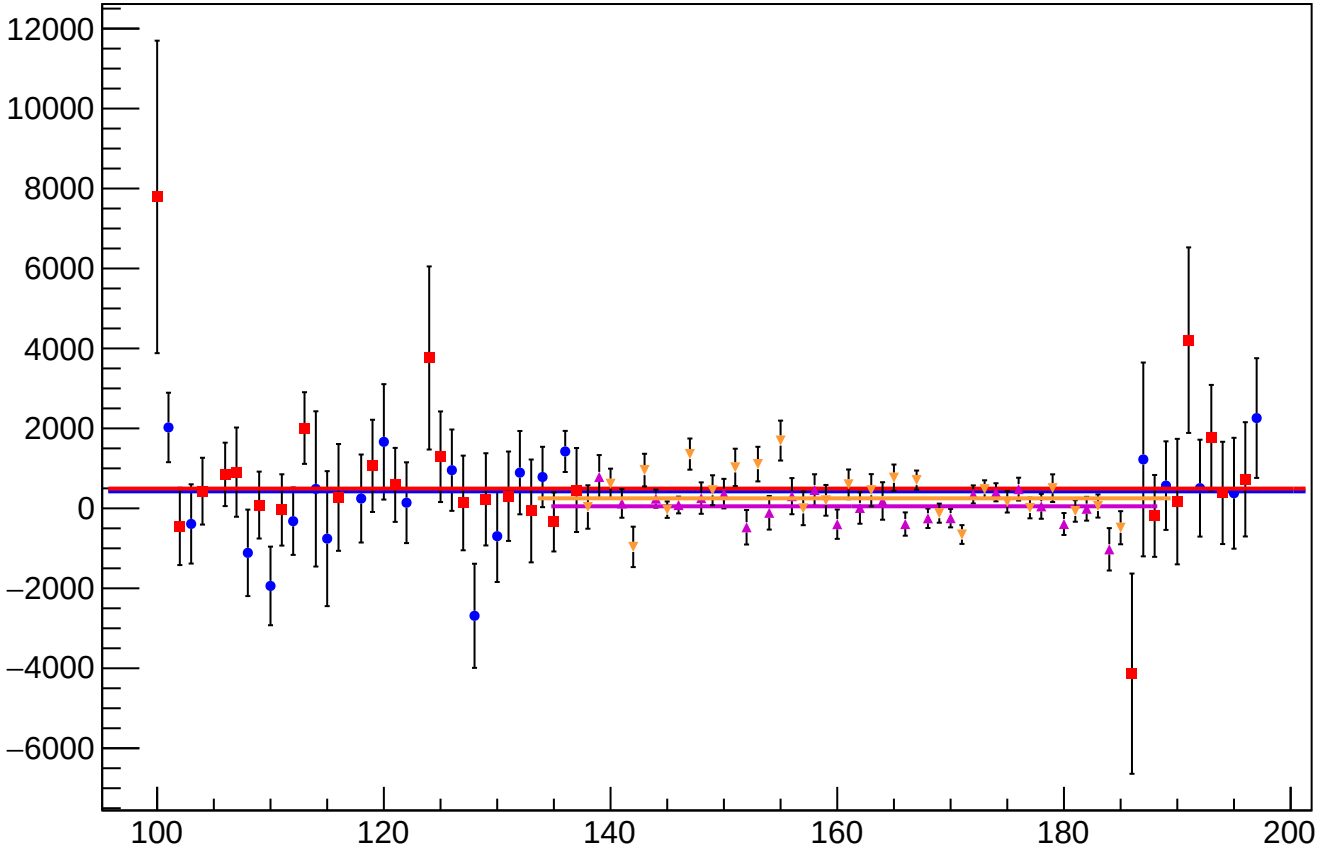
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 275.886+/-0.040 χ^2/NDF: 11794967.4/45

All: 276.369+/-0.028 χ^2/NDF: 24560306.9/94

- sign 276.863+/-0.040 χ^2/NDF: 12765042.3/48

asym_sam_37_dd_mean vs Slug



Right In: 425.866+/-223.890 χ^2/NDF: 26.8/20

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 493.763+/-216.522 χ^2/NDF: 20.1/25

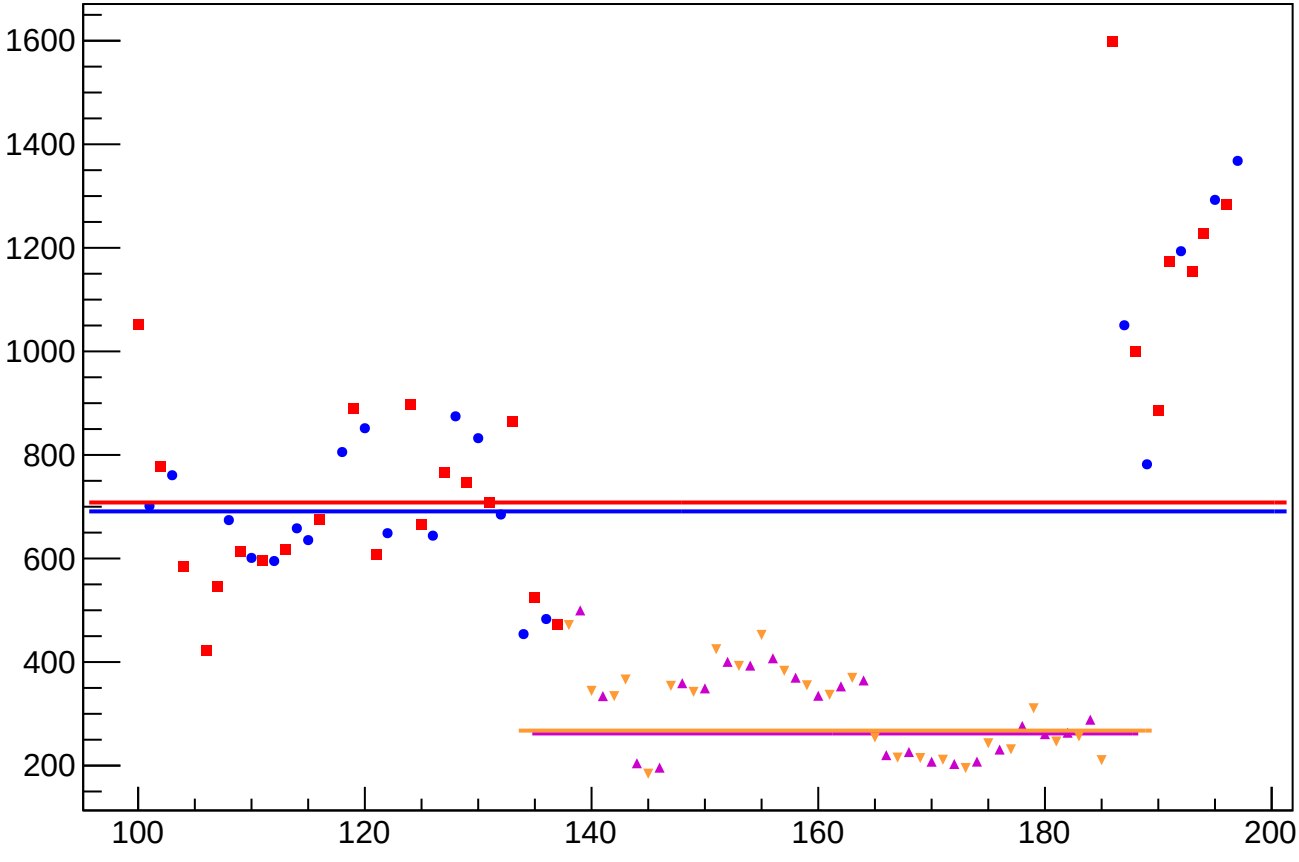
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 264.092+/-61.022 χ^2/NDF: 94.9/45

All: 175.889+/-43.225 χ^2/NDF: 149.8/94

- sign 87.066+/-61.237 χ^2/NDF: 50.8/48

asym_sam_37_dd_rms vs Slug



Right In: 690.979+/-0.158 χ^2/NDF: 1891538.4/20

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

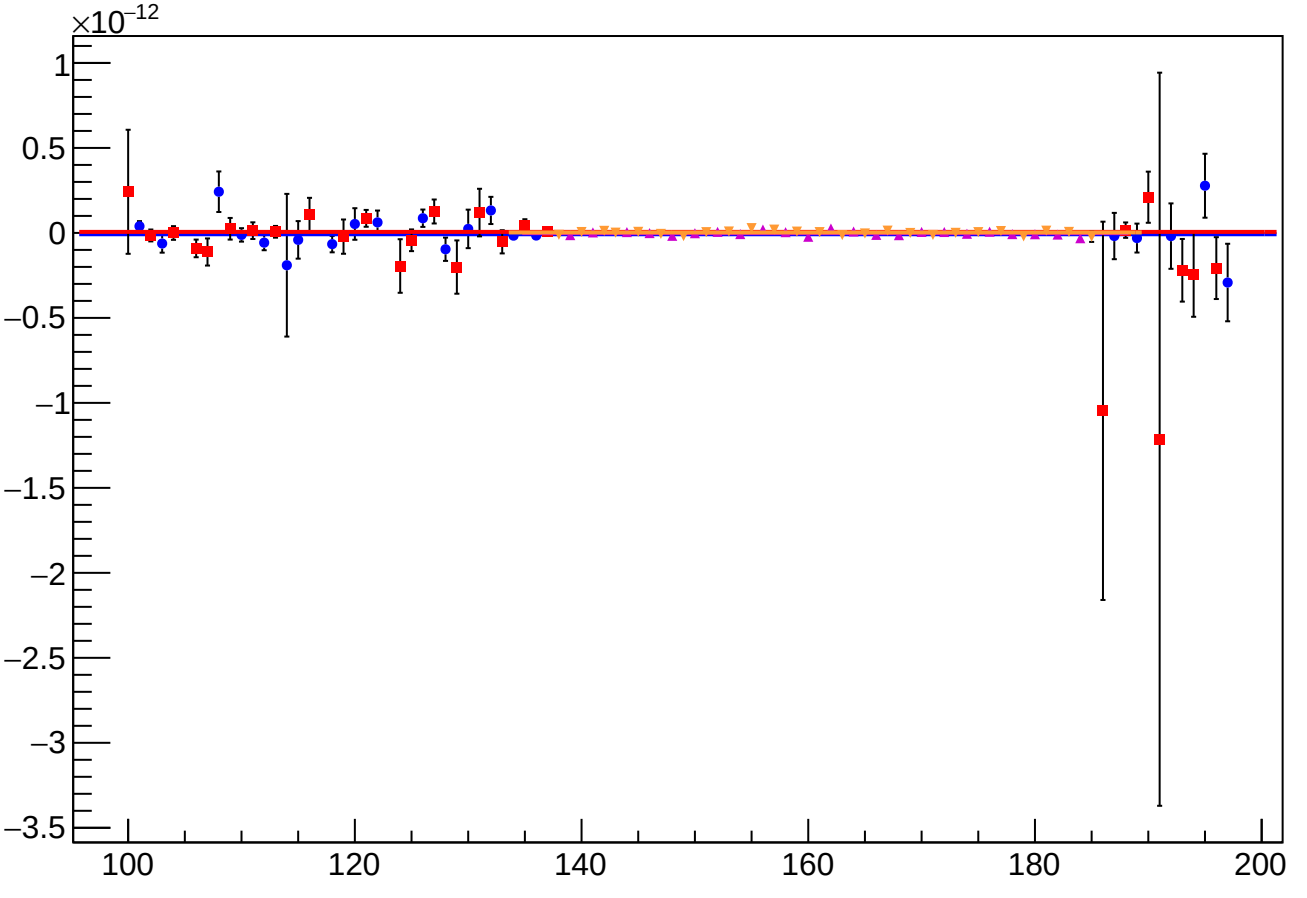
Right Out: 708.171+/-0.153 χ^2/NDF: 2205235.2/25

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 299.041+/-0.043 χ^2/NDF: 11313917.4/45

All: 298.409+/-0.031 χ^2/NDF: 23866904.5/94

- sign 297.773+/-0.043 χ^2/NDF: 12552556.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

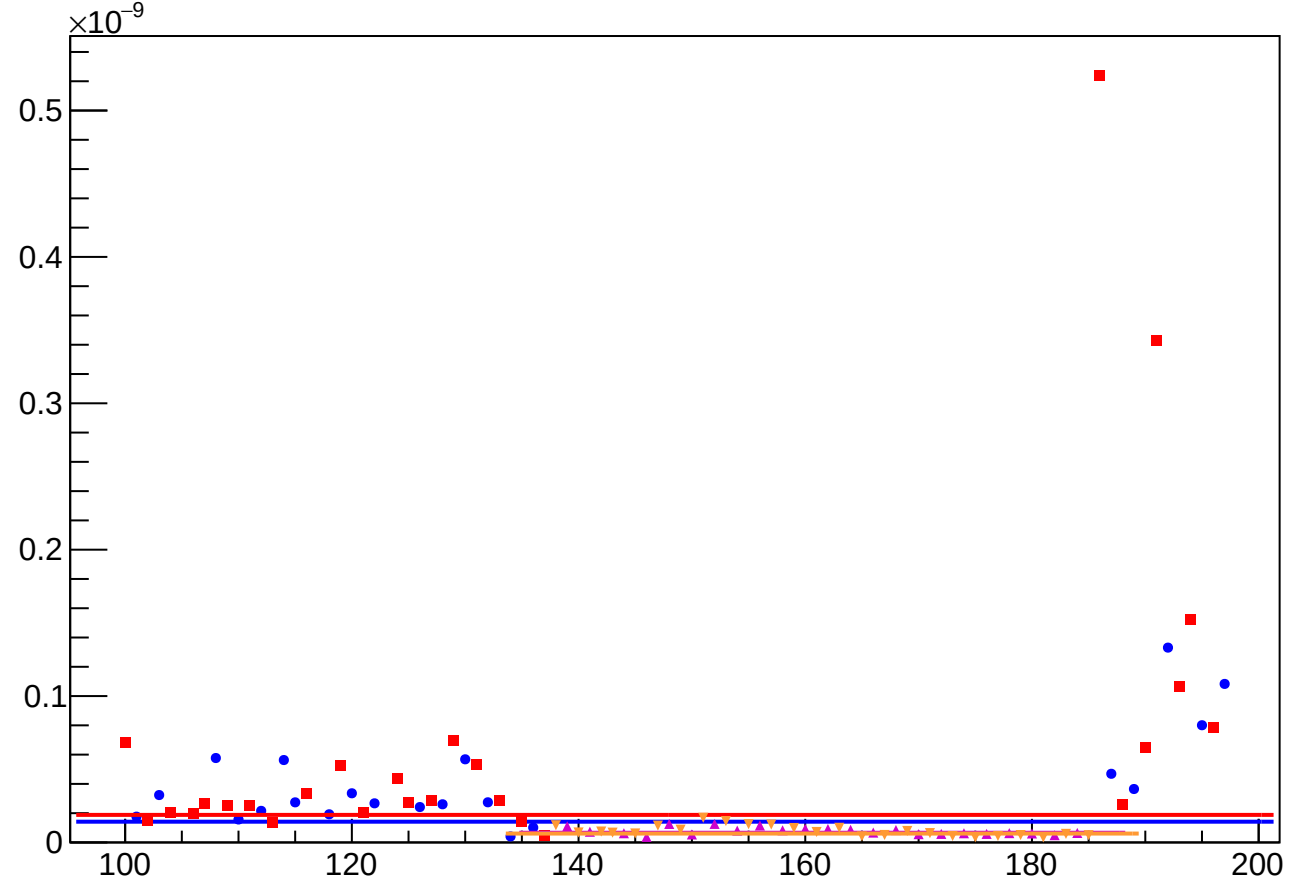
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/25

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.3/45

All: 0.000+/-0.000 χ^2/NDF: 81.6/94

- sign -0.000+/-0.000 χ^2/NDF: 39.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 3710418.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3625471.3/25

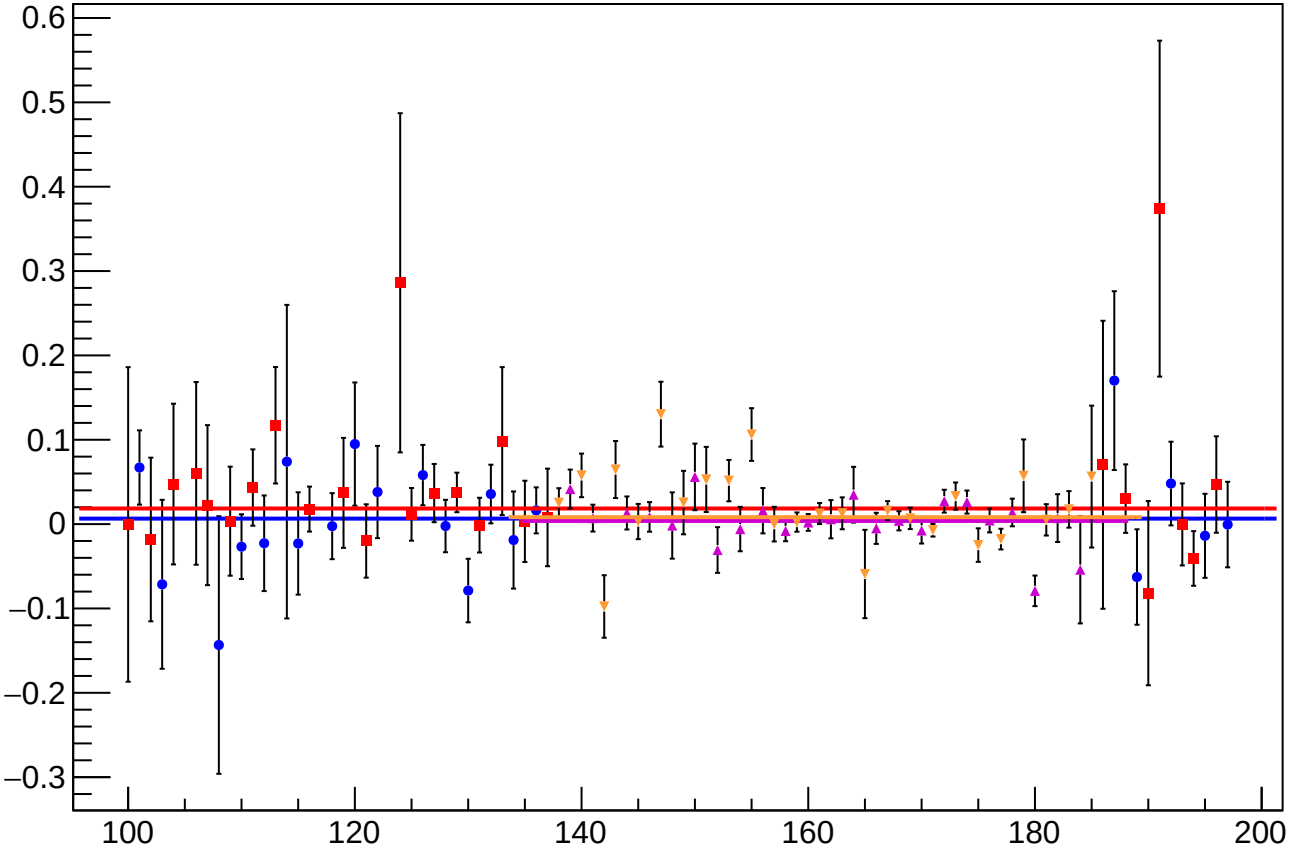
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7556301.3/45

All: 0.000+/-0.000 χ^2/NDF: 14720935.6/94

- sign 0.000+/-0.000 χ^2/NDF: 7087165.1/48

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/20

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.019+/-0.009 χ^2/NDF: 15.7/25

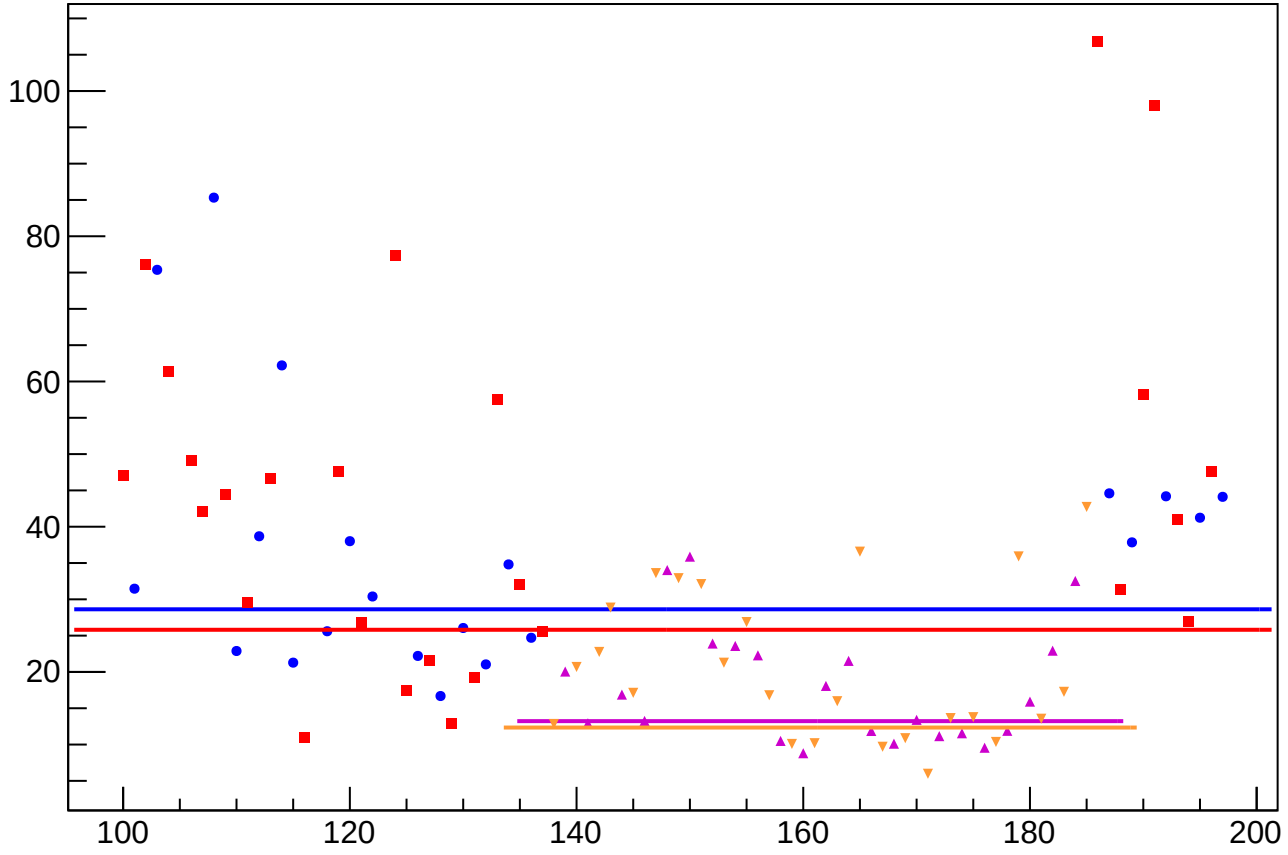
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/45

All: 0.007+/-0.002 χ^2/NDF: 133.9/94

- sign 0.006+/-0.003 χ^2/NDF: 55.1/48

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.627+/-0.007 χ^2/NDF: 2108245.2/20

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 25.806+/-0.007 χ^2/NDF: 4909778.9/25

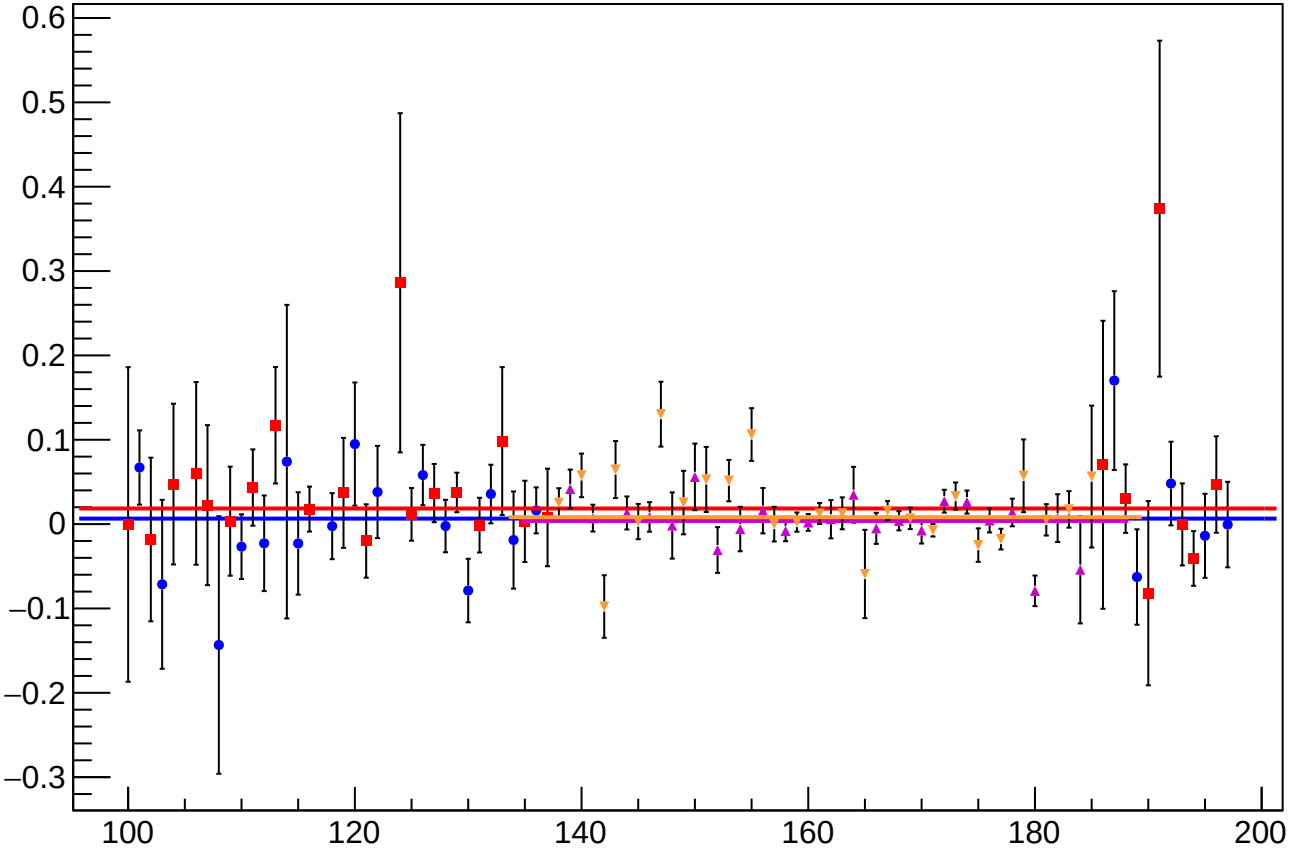
Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

\+ sign 14.034+/-0.002 χ^2/NDF: 13469690.7/45

All: 14.444+/-0.002 χ^2/NDF: 25475661.7/94

\- sign 14.883+/-0.002 χ^2/NDF: 11940896.2/48

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/20

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

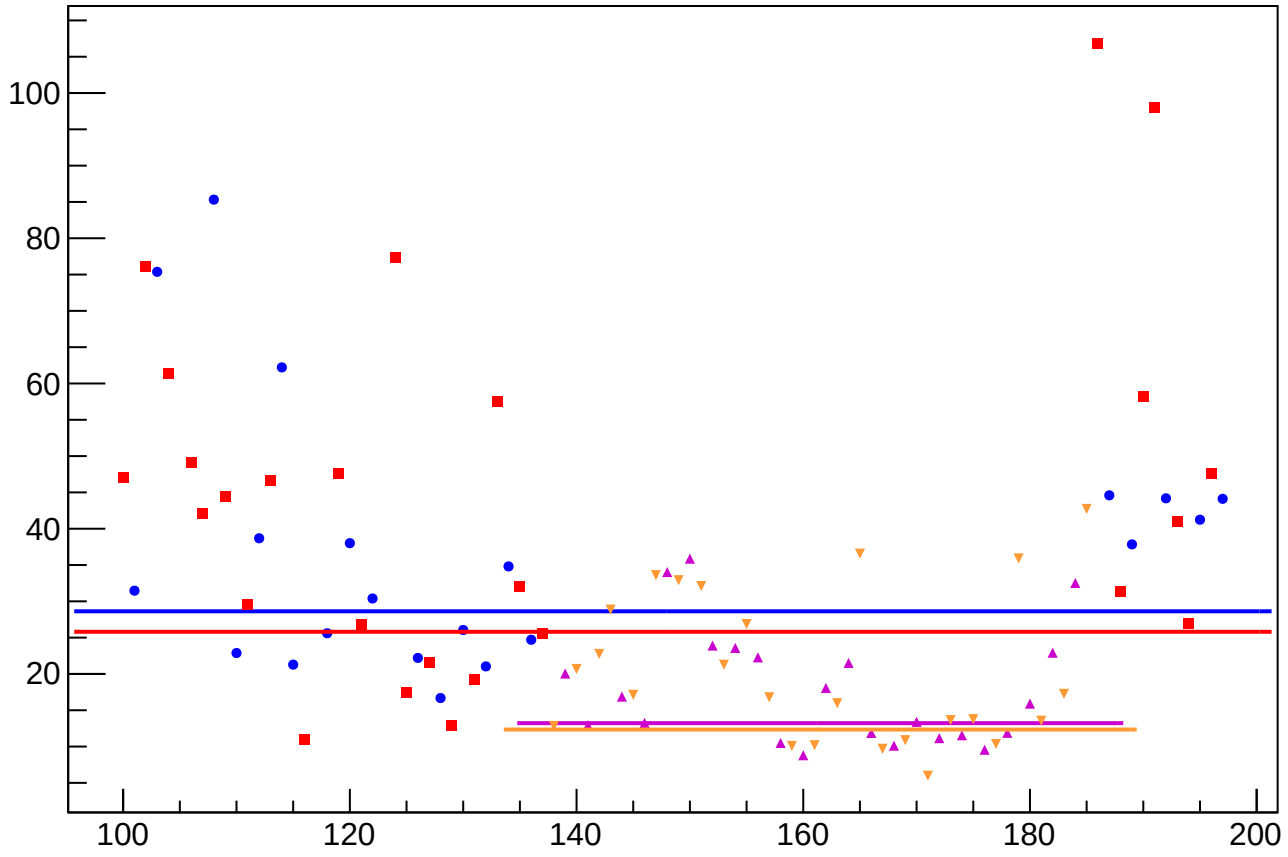
Right Out: 0.019+/-0.009 χ^2/NDF: 15.7/25

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/45

All: 0.007+/-0.002 χ^2/NDF: 133.9/94

- sign 0.006+/-0.003 χ^2/NDF: 55.1/48



Right In: 28.627+/-0.007 χ^2/NDF: 2108245.2/20

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

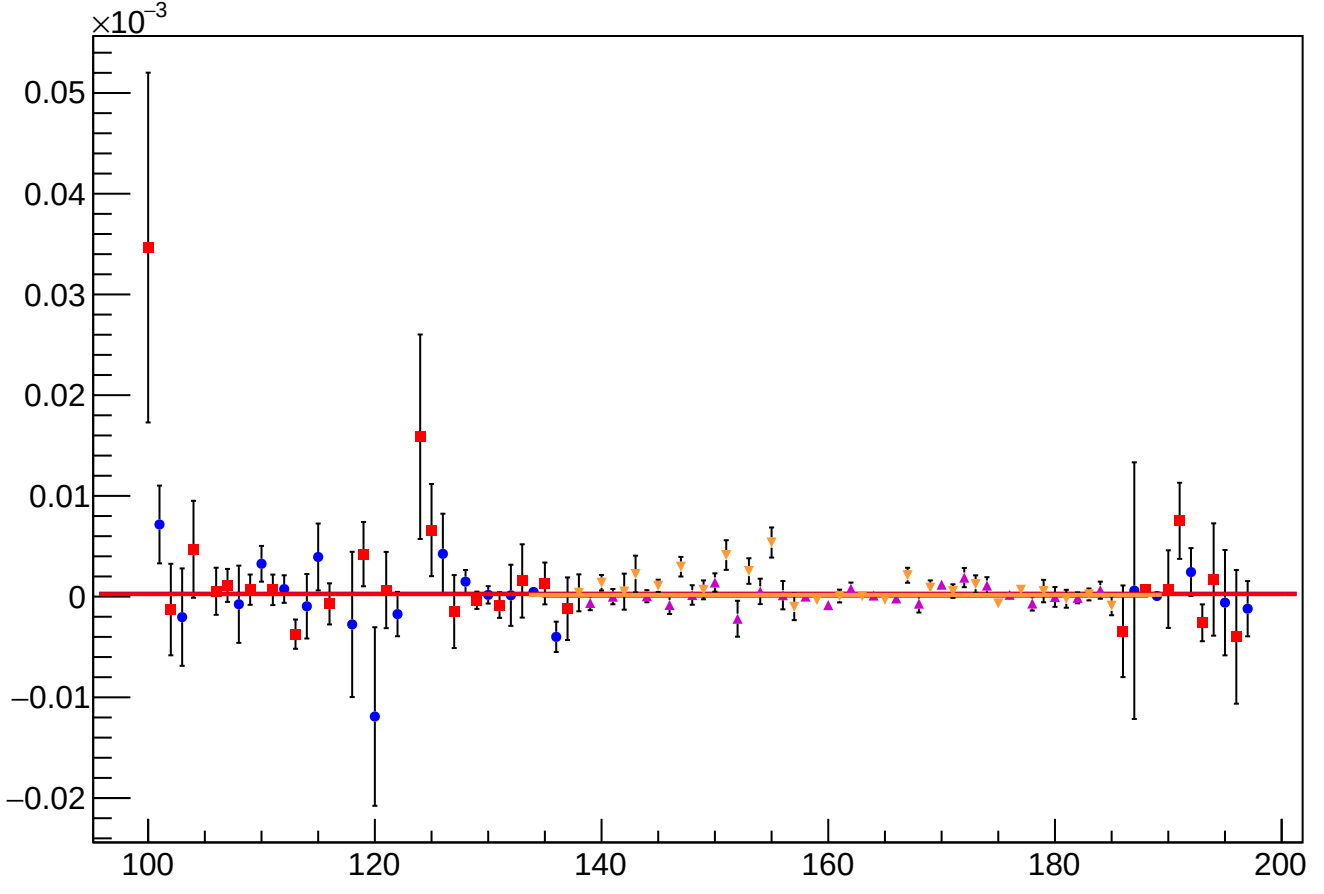
Right Out: 25.806+/-0.007 χ^2/NDF: 4909778.9/25

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.034+/-0.002 χ^2/NDF: 13469690.7/45

All: 14.444+/-0.002 χ^2/NDF: 25475661.7/94

- sign 14.883+/-0.002 χ^2/NDF: 11940896.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

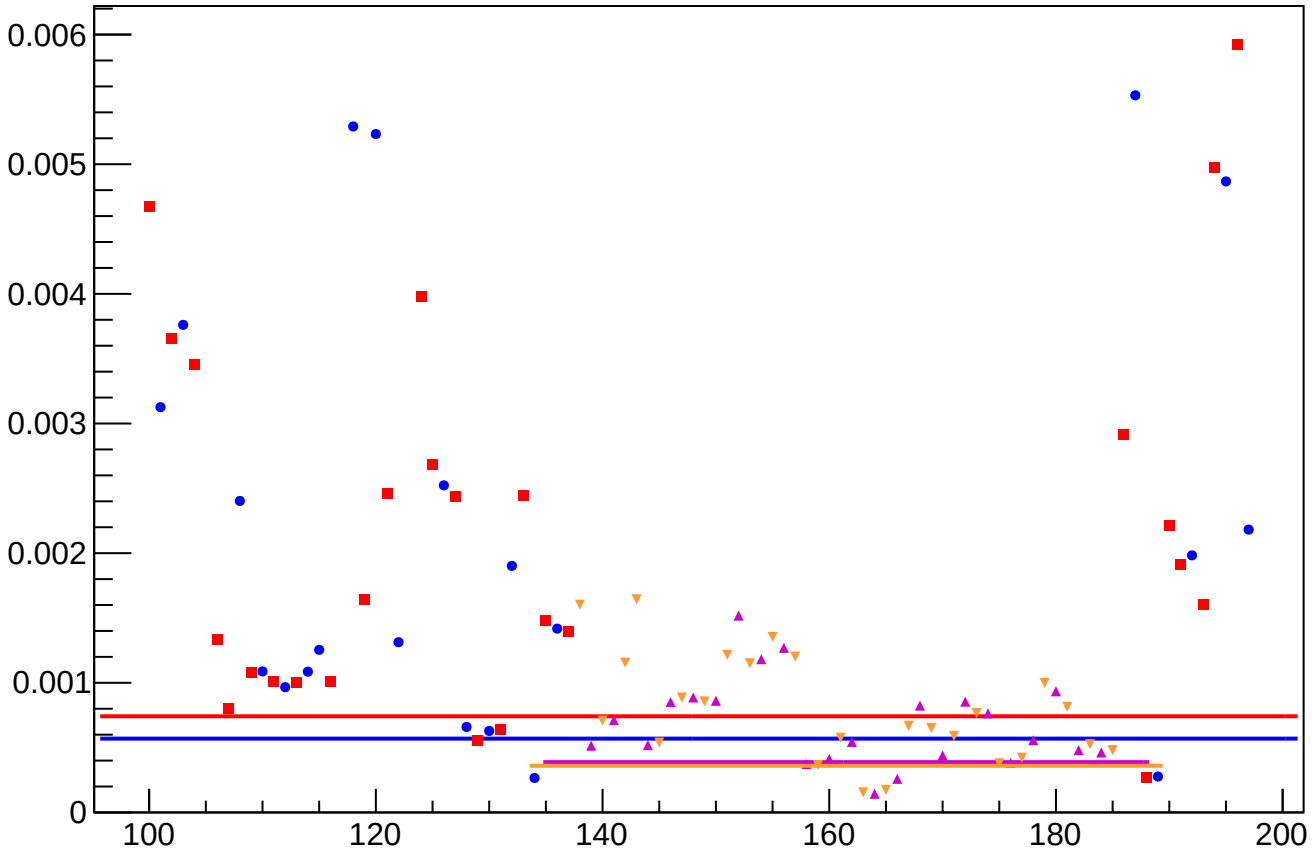
Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/25

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 84.0/45

All: 0.000+/-0.000 χ^2/NDF: 138.3/94

- sign 0.000+/-0.000 χ^2/NDF: 54.0/48



Right In: 0.001+/-0.000 χ^2/NDF: 10483177.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10221585.1/25

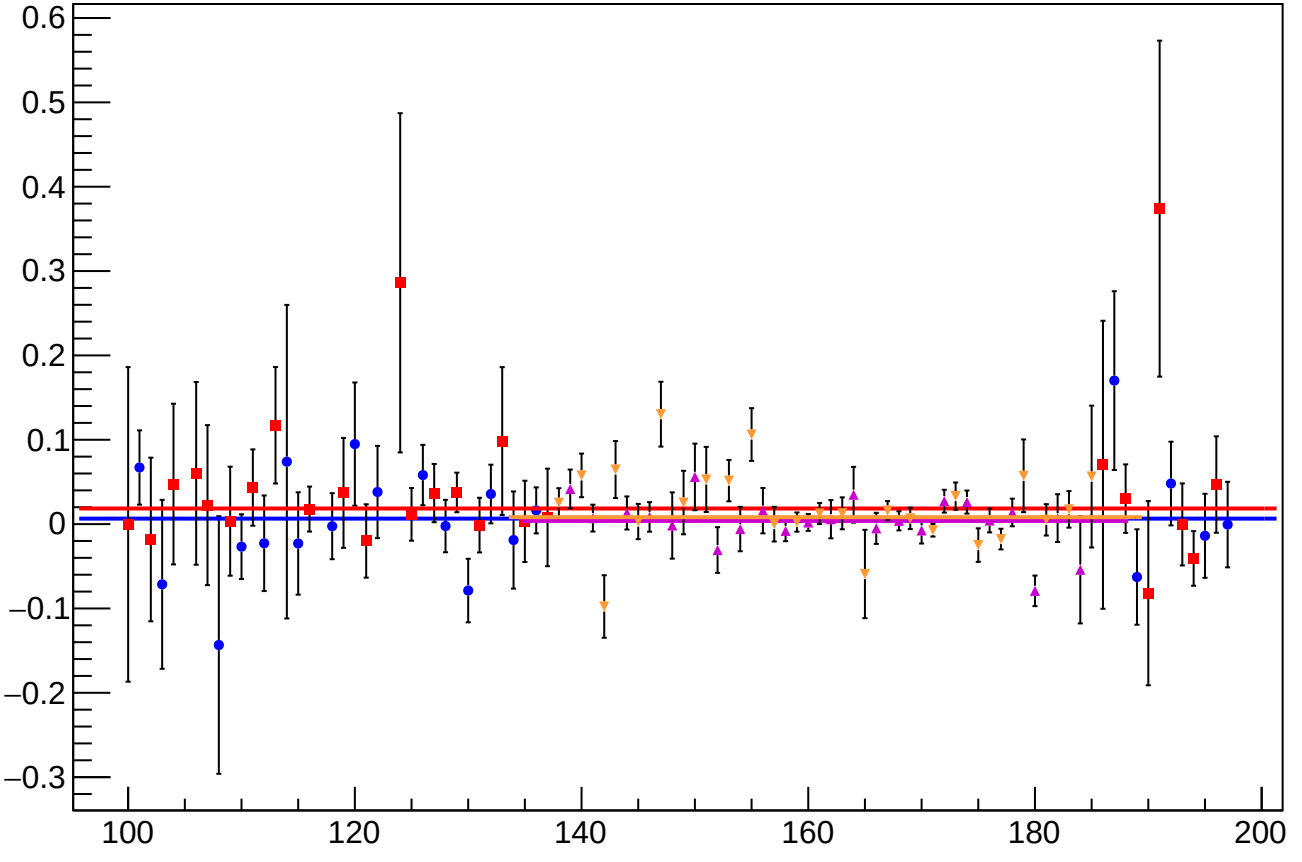
Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 25529265.9/45

All: 0.000+/-0.000 χ^2/NDF: 48605836.1/94

- sign 0.000+/-0.000 χ^2/NDF: 22916135.6/48

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/20

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

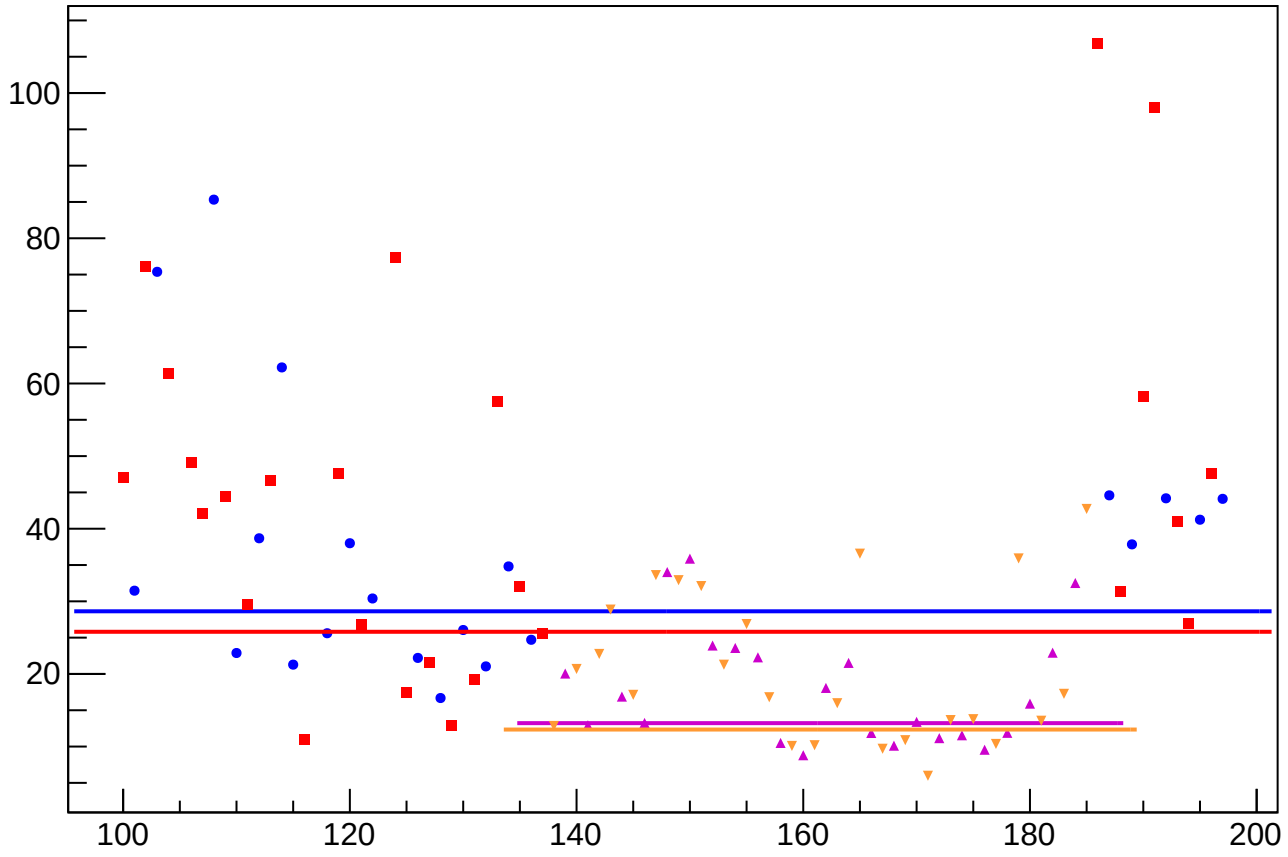
Right Out: 0.019+/-0.009 χ^2/NDF: 15.7/25

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/45

All: 0.007+/-0.002 χ^2/NDF: 133.9/94

- sign 0.006+/-0.003 χ^2/NDF: 55.1/48



Right In: 28.627+/-0.007 χ^2/NDF: 2108179.3/20

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

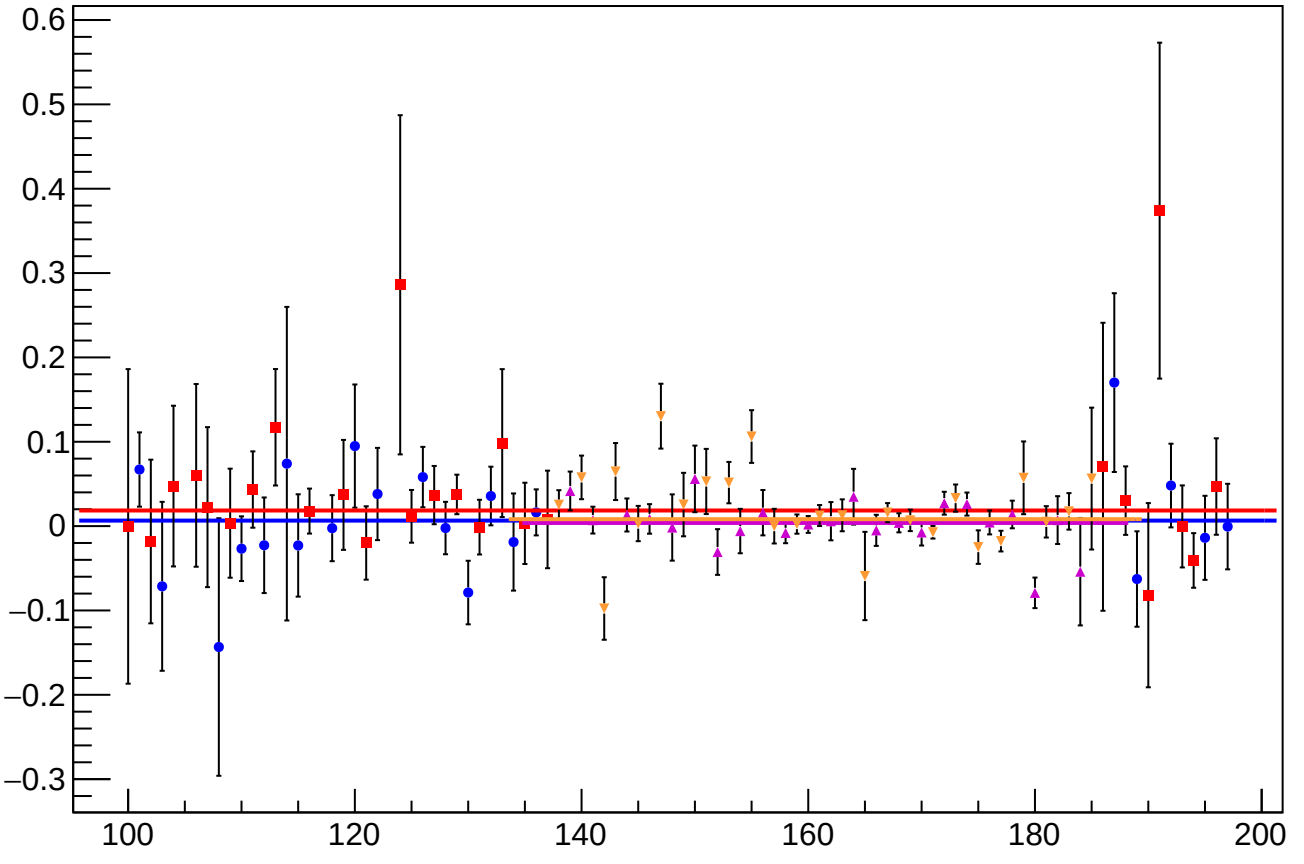
Right Out: 25.807+/-0.007 χ^2/NDF: 4909498.2/25

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.035+/-0.002 χ^2/NDF: 13469927.4/45

All: 14.444+/-0.002 χ^2/NDF: 25475952.7/94

- sign 14.884+/-0.002 χ^2/NDF: 11940954.5/48



Right In: 0.007+/-0.010 χ^2/NDF: 19.8/20

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

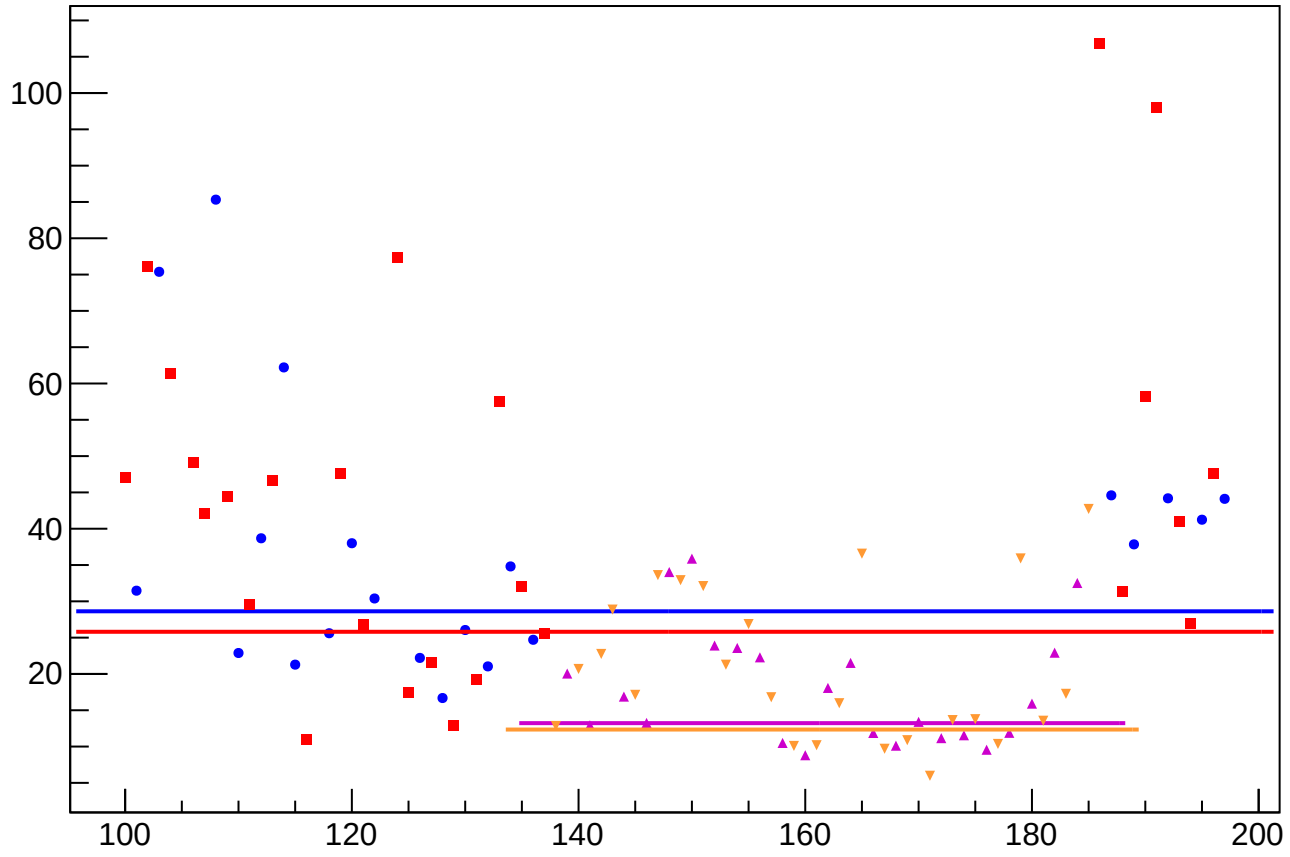
Right Out: 0.019+/-0.009 χ^2/NDF: 15.7/25

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.6/45

All: 0.007+/-0.002 χ^2/NDF: 133.9/94

- sign 0.006+/-0.003 χ^2/NDF: 55.1/48



Right In: 28.627+/-0.007 χ^2/NDF: 2108179.3/20

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

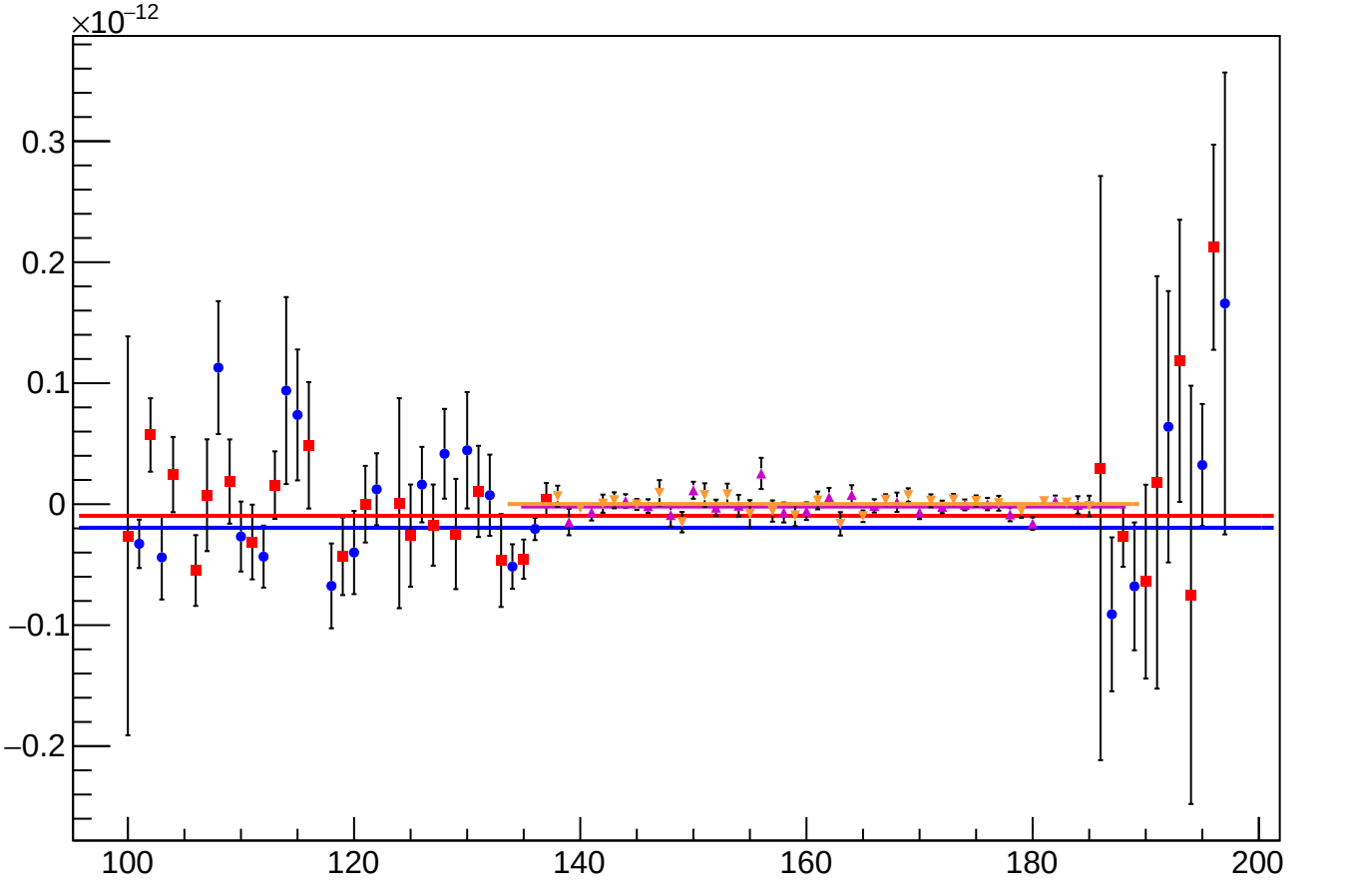
Right Out: 25.807+/-0.007 χ^2/NDF: 4909498.2/25

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.035+/-0.002 χ^2/NDF: 13469927.4/45

All: 14.444+/-0.002 χ^2/NDF: 25475952.7/94

- sign 14.884+/-0.002 χ^2/NDF: 11940954.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

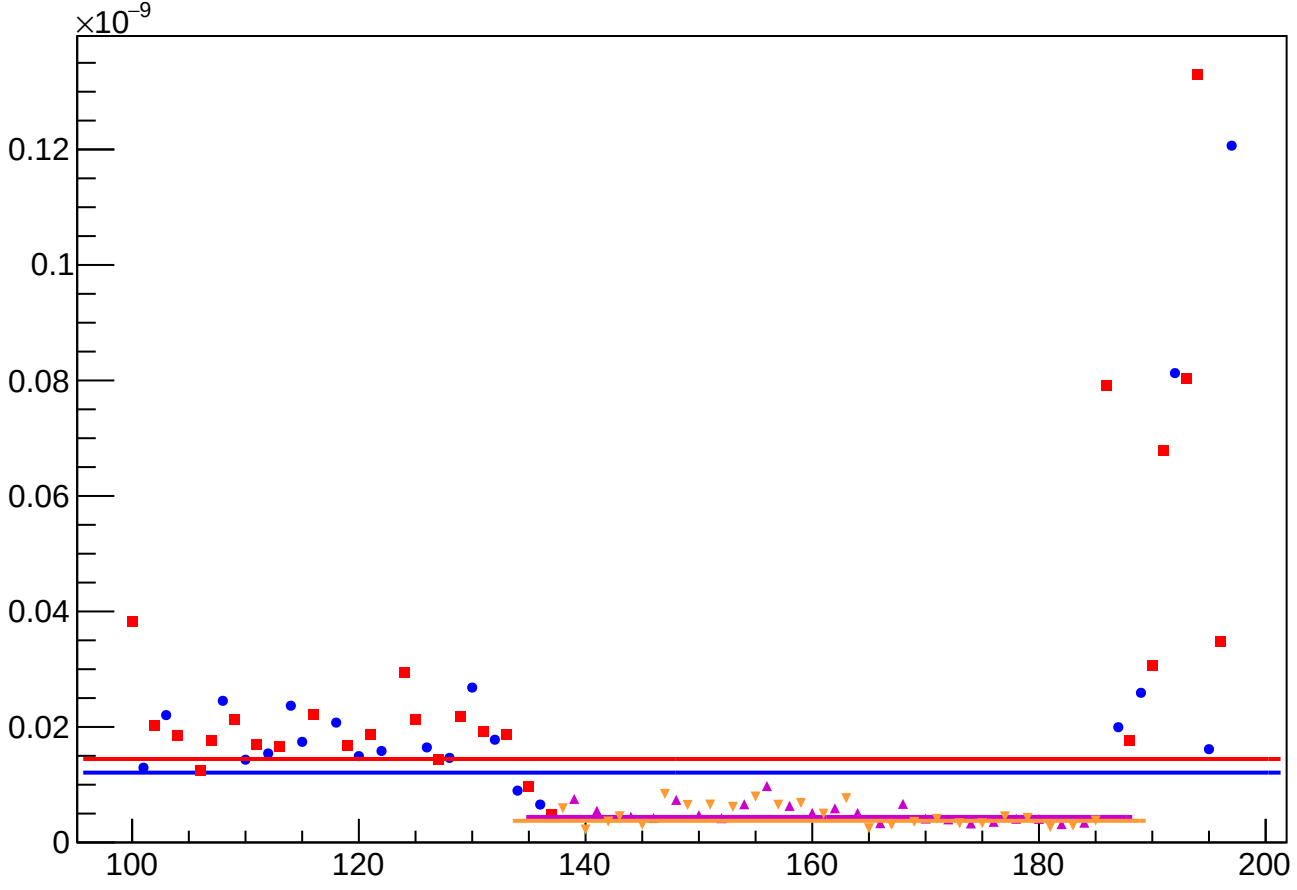
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/25

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.4/45

All: -0.000+/-0.000 χ^2/NDF: 119.6/94

- sign -0.000+/-0.000 χ^2/NDF: 56.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 3208046.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3867352.0/25

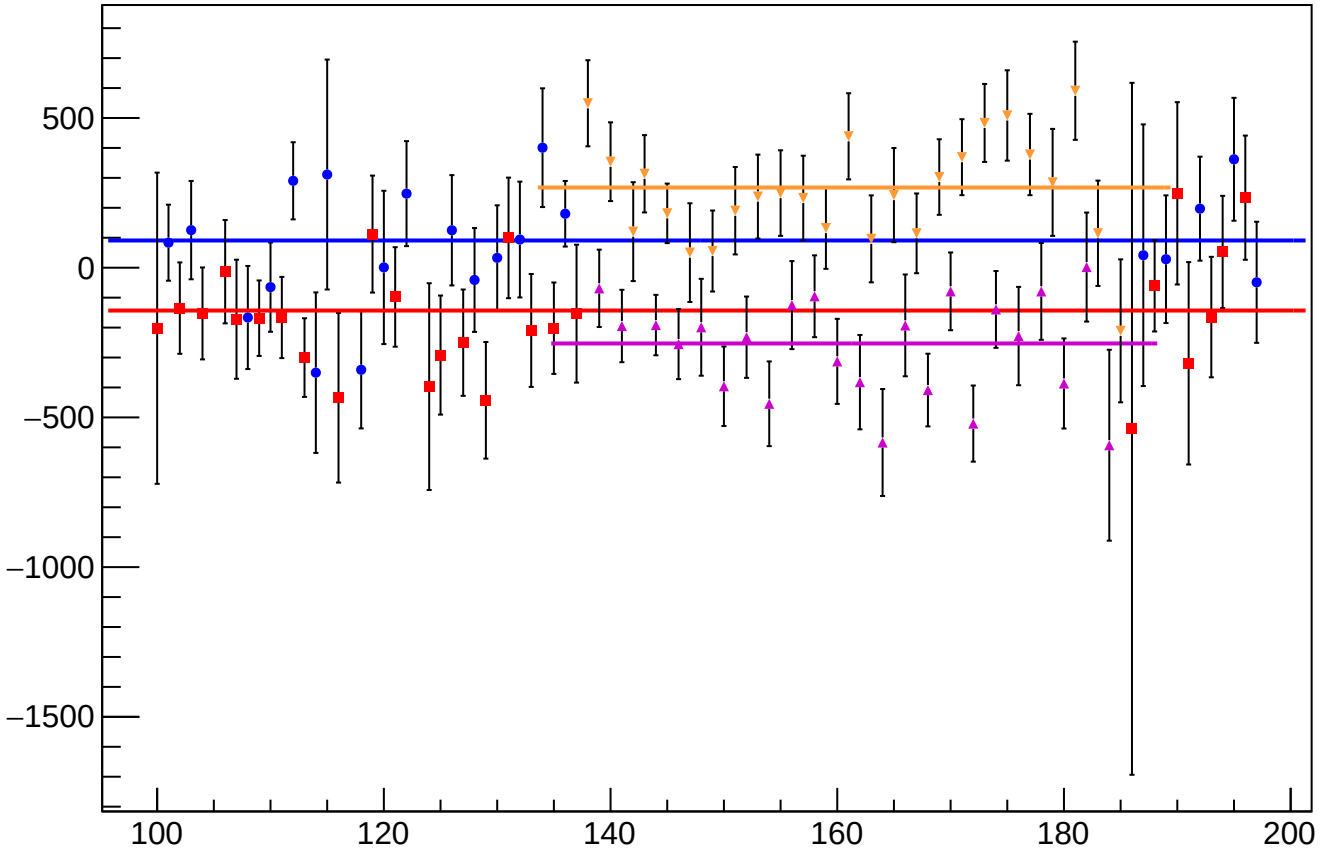
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10126803.0/45

All: 0.000+/-0.000 χ^2/NDF: 20715507.3/94

- sign 0.000+/-0.000 χ^2/NDF: 10200110.4/48

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.913+/-38.578 χ^2/NDF: 21.1/20

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -143.087+/-36.657 χ^2/NDF: 17.3/25

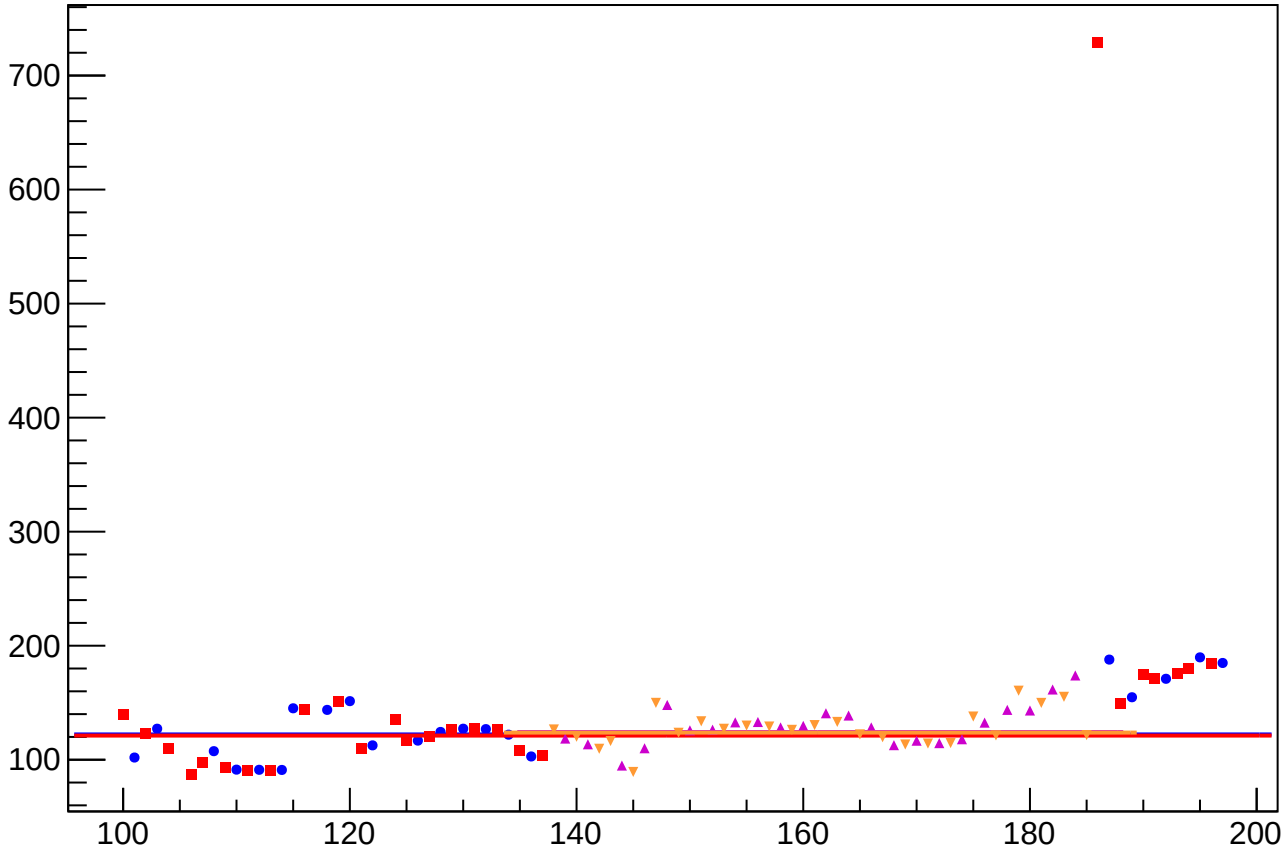
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 205.597+/-22.875 χ^2/NDF: 65.7/45

All: -2.112+/-16.182 χ^2/NDF: 279.7/94

- sign -210.159+/-22.893 χ^2/NDF: 48.9/48

reg_asym_sam_48_dd_rms vs Slug



Right In: 122.188+/-0.027 χ^2/NDF: 1085052.7/20

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 121.187+/-0.026 χ^2/NDF: 1791736.4/25

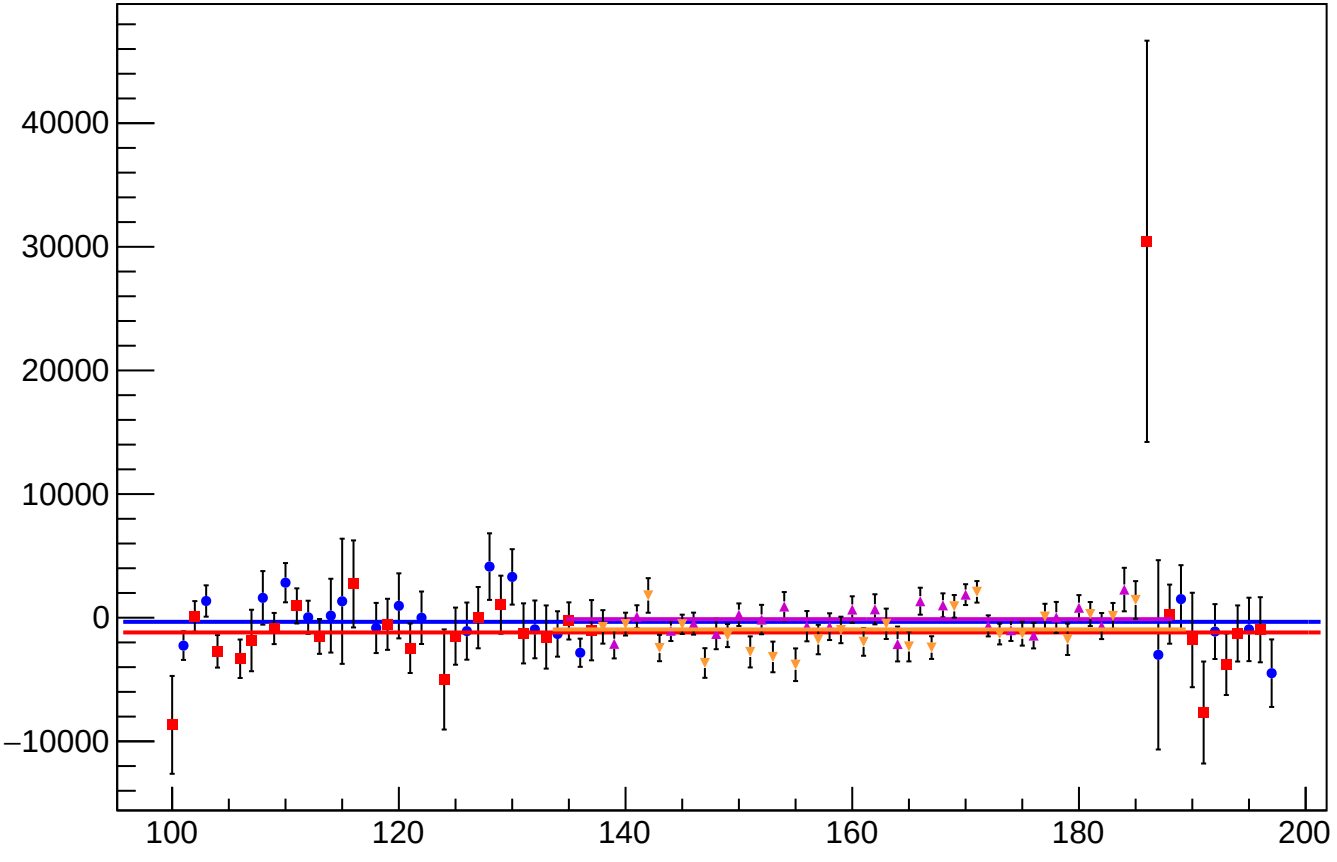
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 123.238+/-0.016 χ^2/NDF: 1685782.1/45

All: 123.150+/-0.011 χ^2/NDF: 4043358.1/94

- sign 123.061+/-0.016 χ^2/NDF: 2357516.1/48

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -334.540+/-418.398 χ^2/NDF: 23.6/20

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1193.739+/-395.481 χ^2/NDF: 22.3/25

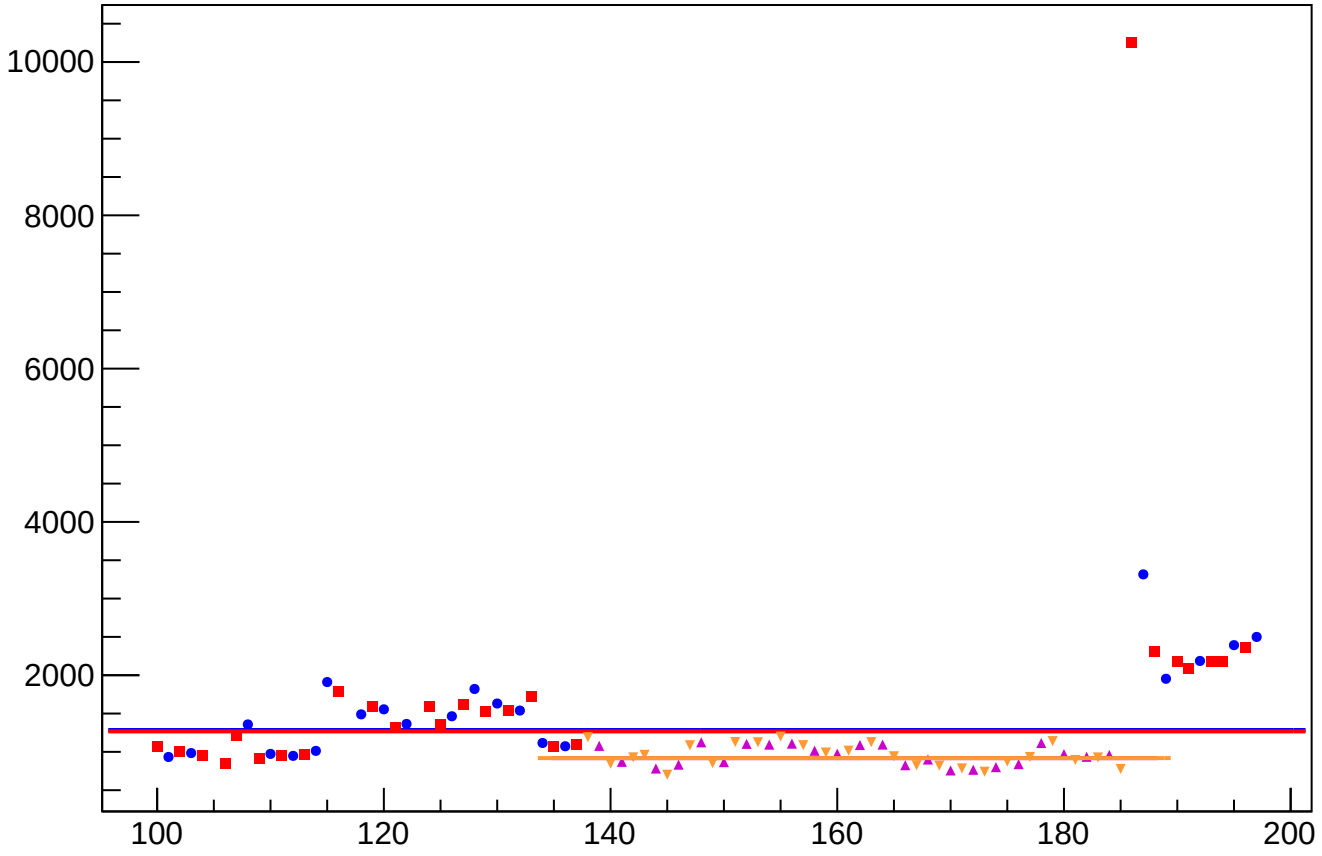
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -822.648+/-188.963 χ^2/NDF: 75.6/45

All: -596.770+/-134.106 χ^2/NDF: 130.8/94

- sign -367.553+/-190.355 χ^2/NDF: 52.4/48

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1285.195+/-0.296 χ^2/NDF: 2200718.3/20

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1266.854+/-0.280 χ^2/NDF: 3147072.9/25

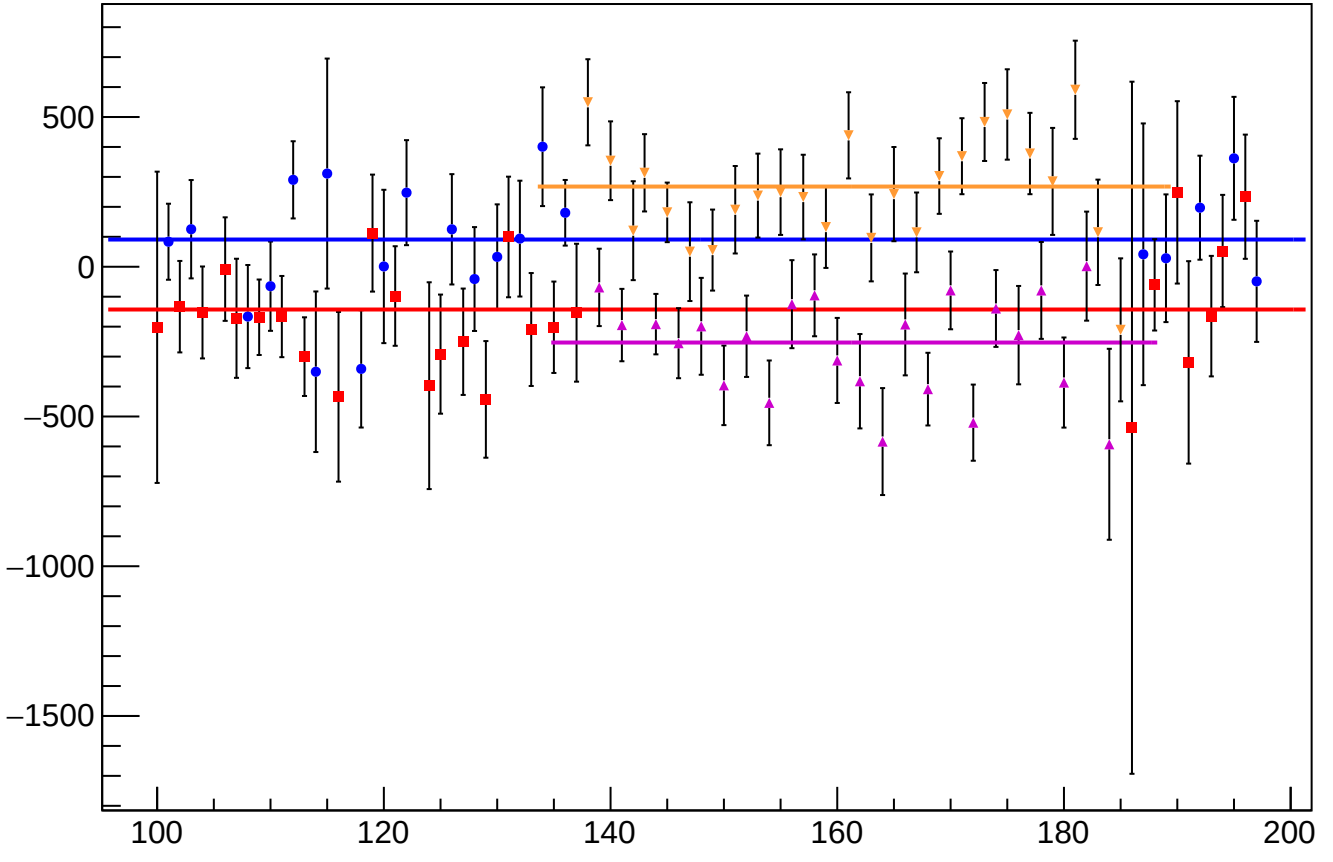
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 993.297+/-0.134 χ^2/NDF: 4311419.6/45

All: 996.120+/-0.095 χ^2/NDF: 9319858.7/94

- sign 998.985+/-0.135 χ^2/NDF: 5007539.8/48

cor_asym_sam_48_dd_mean vs Slug



Right In: 90.903+/-38.578 χ^2/NDF: 21.1/20

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -142.761+/-36.661 χ^2/NDF: 17.3/25

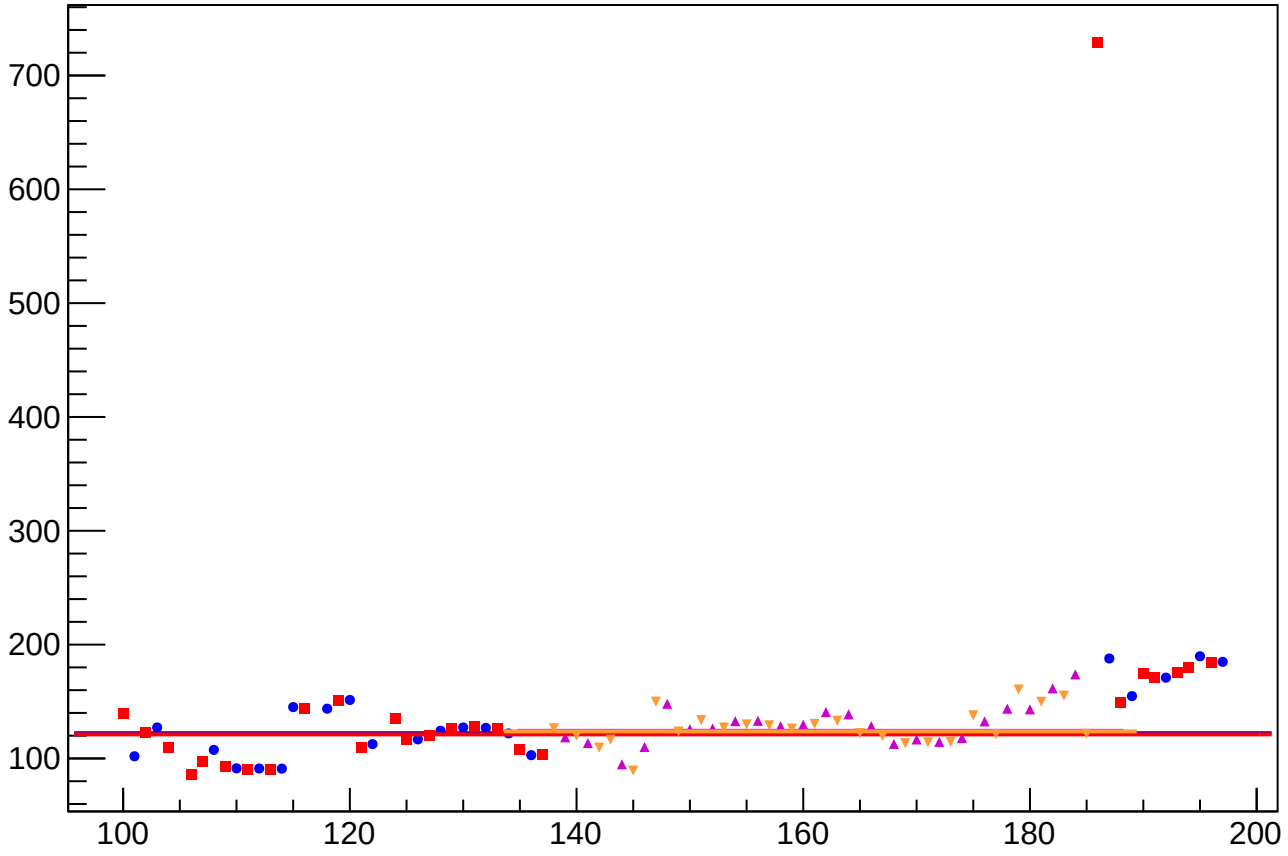
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 205.600+/-22.875 χ^2/NDF: 65.7/45

All: -2.042+/-16.182 χ^2/NDF: 279.7/94

- sign -210.040+/-22.894 χ^2/NDF: 49.0/48

cor_asym_sam_48_dd_rms vs Slug



Right In: 122.188+/-0.027 χ^2/NDF: 1085053.1/20

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 121.144+/-0.026 χ^2/NDF: 1796790.5/25

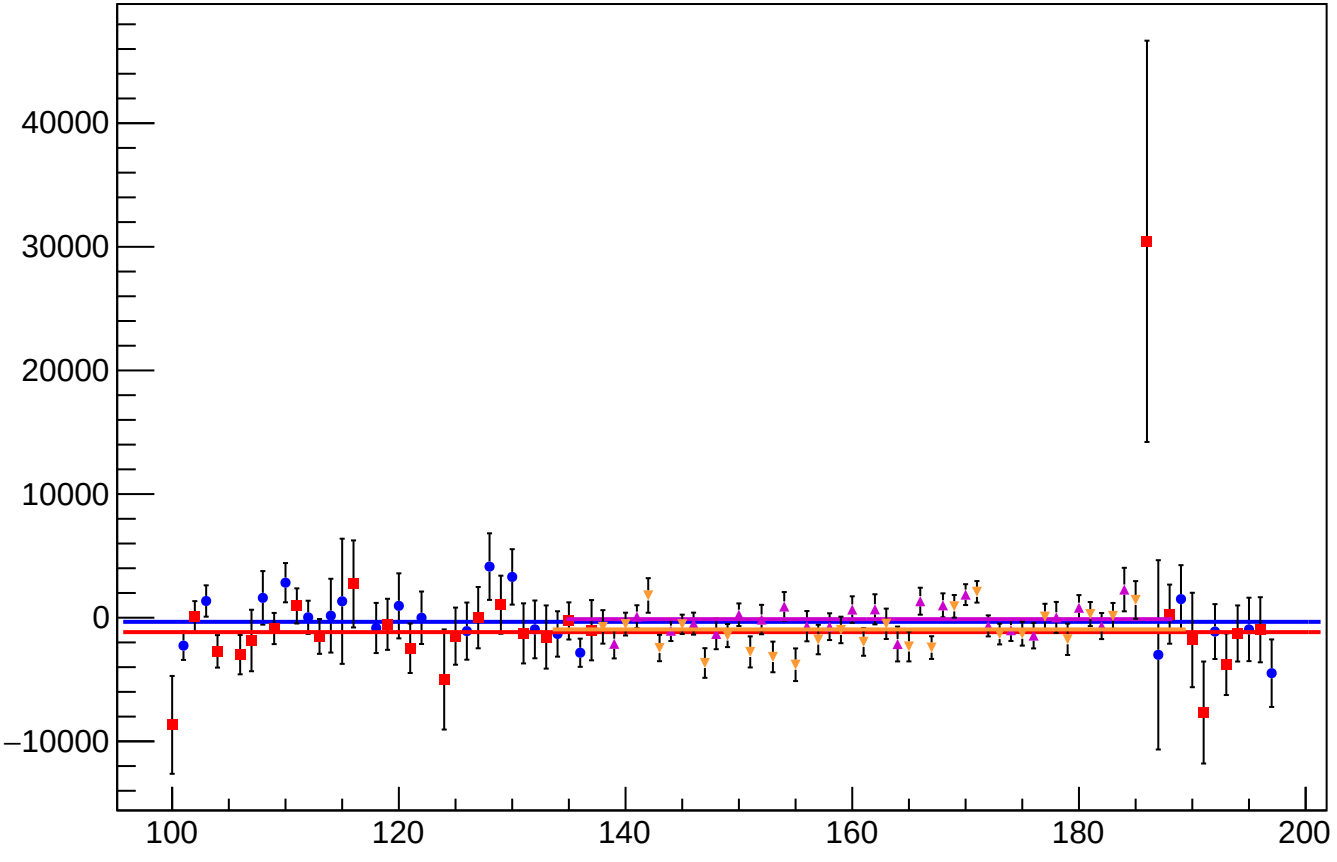
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 123.238+/-0.016 χ^2/NDF: 1685782.4/45

All: 123.141+/-0.011 χ^2/NDF: 4048664.6/94

- sign 123.044+/-0.016 χ^2/NDF: 2362810.5/48

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -334.623+/-418.401 χ^2/NDF: 23.6/20

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1167.110+/-396.081 χ^2/NDF: 21.7/25

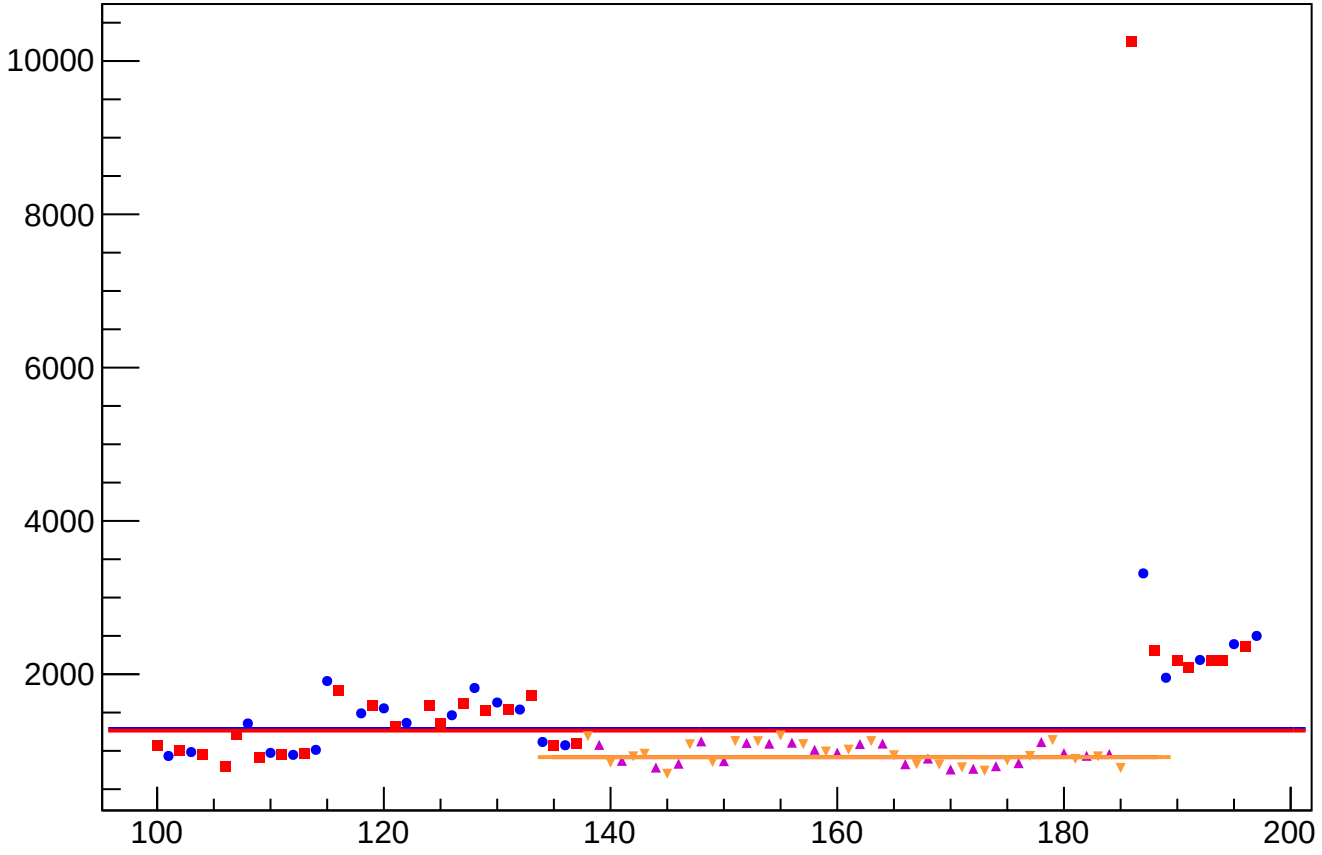
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -822.657+/-188.963 χ^2/NDF: 75.6/45

All: -593.514+/-134.130 χ^2/NDF: 130.0/94

- sign -360.819+/-190.422 χ^2/NDF: 51.5/48

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1285.205+/-0.296 χ^2/NDF: 2200660.3/20

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1265.027+/-0.280 χ^2/NDF: 3175562.1/25

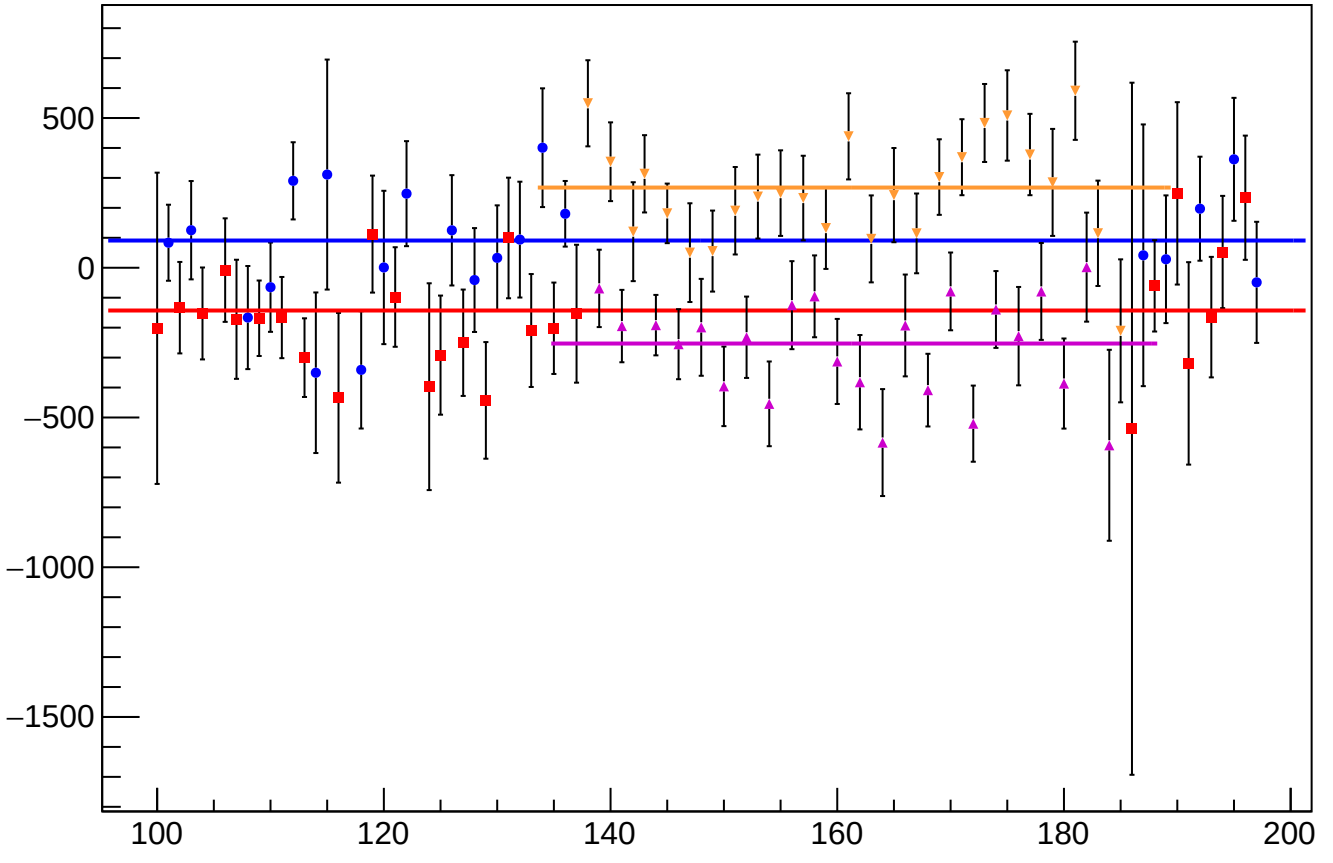
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 993.298+/-0.134 χ^2/NDF: 4311416.2/45

All: 995.817+/-0.095 χ^2/NDF: 9332925.4/94

- sign 998.374+/-0.135 χ^2/NDF: 5020793.1/48

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 90.903+/-38.578 χ^2/NDF: 21.1/20

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -142.761+/-36.661 χ^2/NDF: 17.3/25

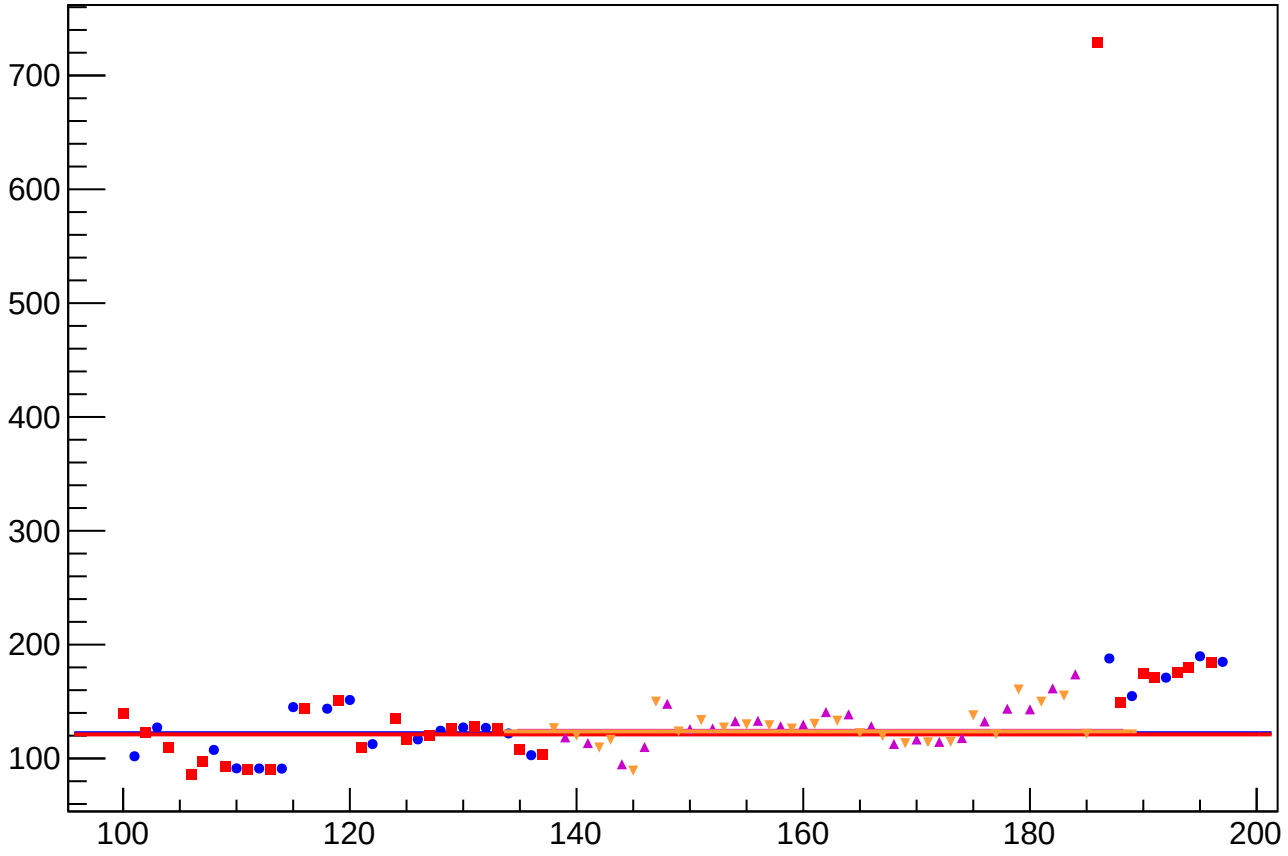
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 205.600+/-22.875 χ^2/NDF: 65.7/45

All: -2.042+/-16.182 χ^2/NDF: 279.7/94

- sign -210.040+/-22.894 χ^2/NDF: 49.0/48

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 122.188+/-0.027 χ^2/NDF: 1085053.1/20

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

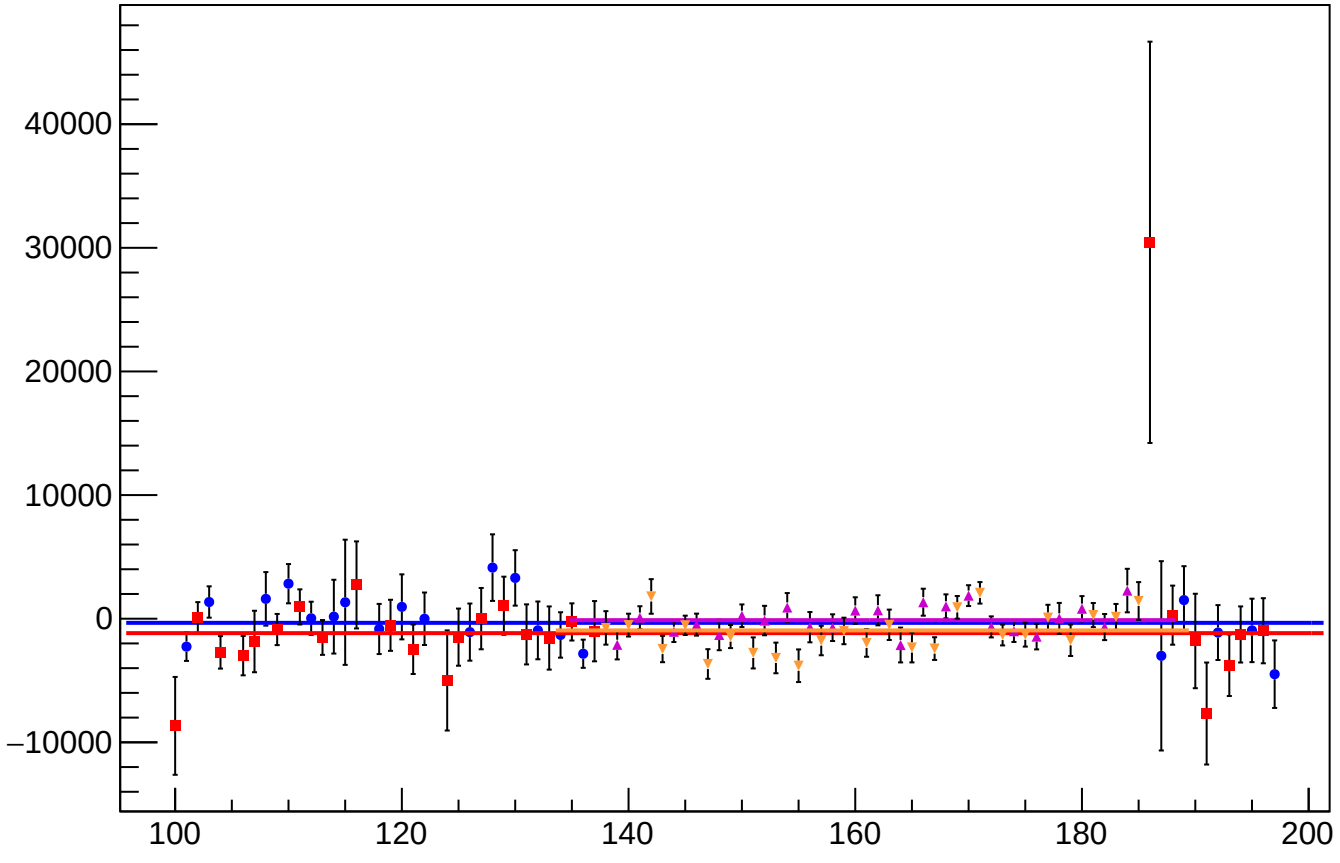
Right Out: 121.144+/-0.026 χ^2/NDF: 1796790.5/25

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 123.238+/-0.016 χ^2/NDF: 1685782.4/45

All: 123.141+/-0.011 χ^2/NDF: 4048664.6/94

- sign 123.044+/-0.016 χ^2/NDF: 2362810.5/48



Right In: -334.623+/-418.401 χ^2/NDF: 23.6/20

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

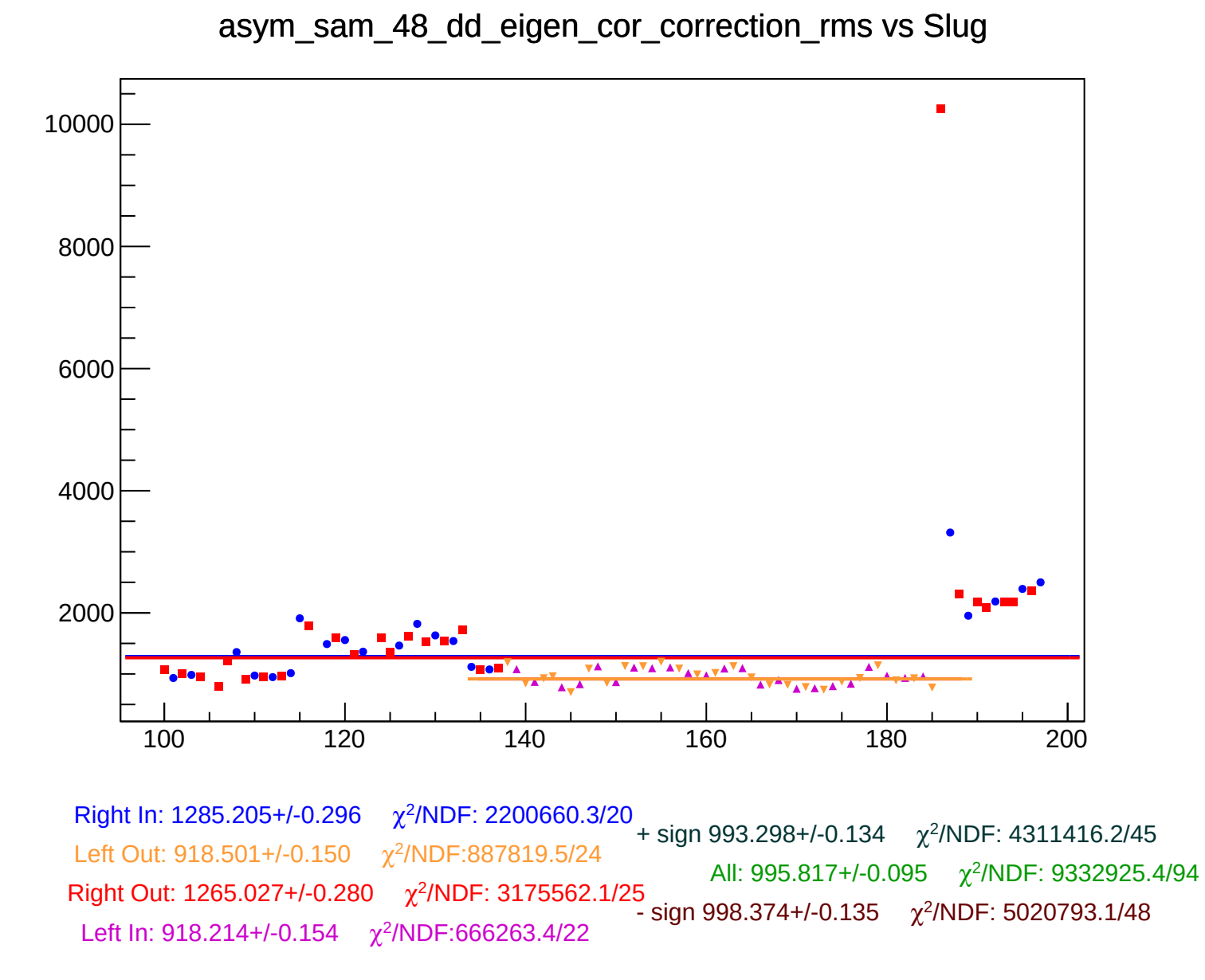
Right Out: -1167.110+/-396.081 χ^2/NDF: 21.7/25

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

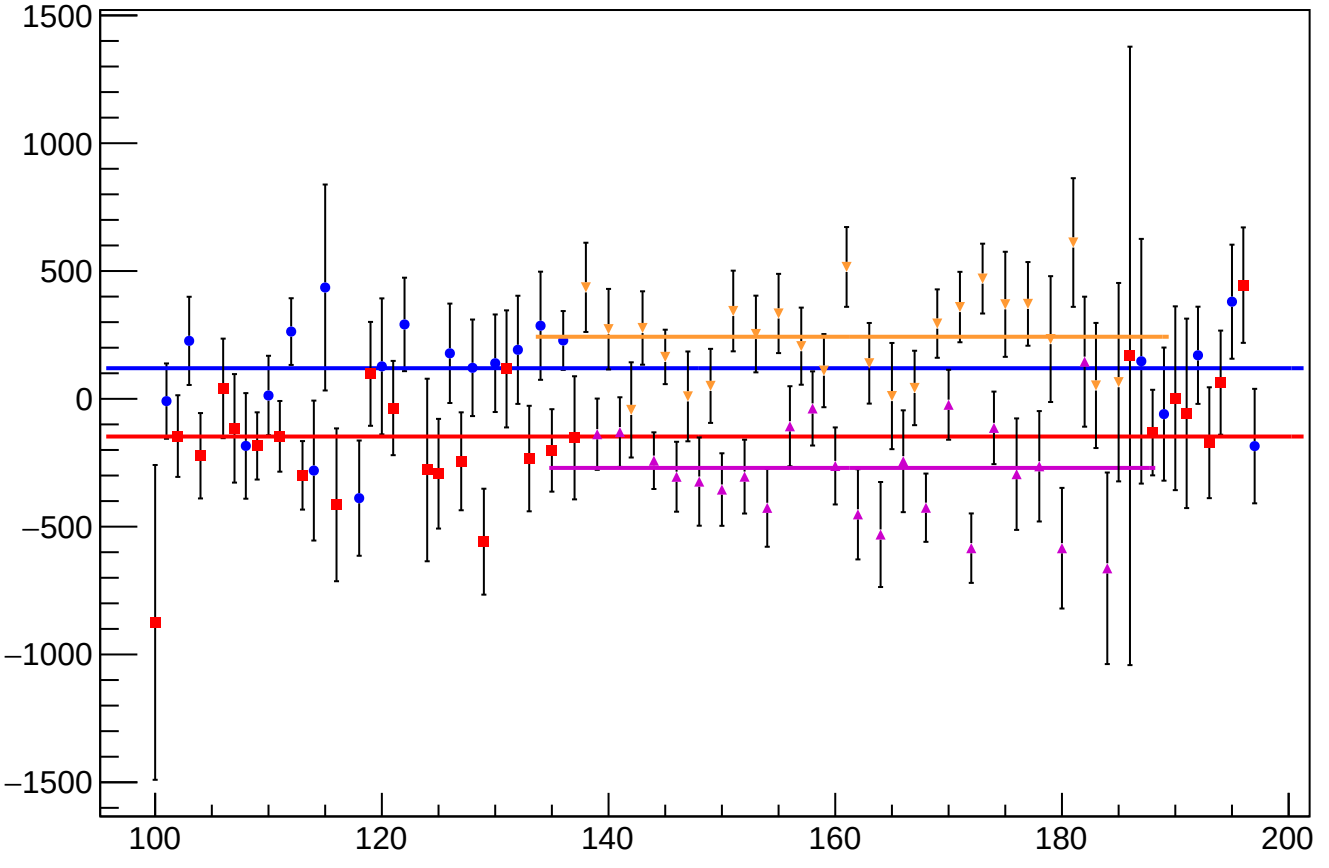
+ sign -822.657+/-188.963 χ^2/NDF: 75.6/45

All: -593.514+/-134.130 χ^2/NDF: 130.0/94

- sign -360.819+/-190.422 χ^2/NDF: 51.5/48


asym_sam_48_dd_eigen_cor_correction_rms vs Slug
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1285.205+/-0.296 χ²/NDF: 2200660.3/20
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1265.027+/-0.280 χ²/NDF: 3175562.1/25
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
+ sign 993.298+/-0.134 χ²/NDF: 4311416.2/45
All: 995.817+/-0.095 χ²/NDF: 9332925.4/94
- sign 998.374+/-0.135 χ²/NDF: 5020793.1/48

dit_asym_sam_48_dd_mean vs Slug



Right In: 119.837+/-41.686 χ^2/NDF: 19.2/20

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -147.415+/-39.175 χ^2/NDF: 21.2/25

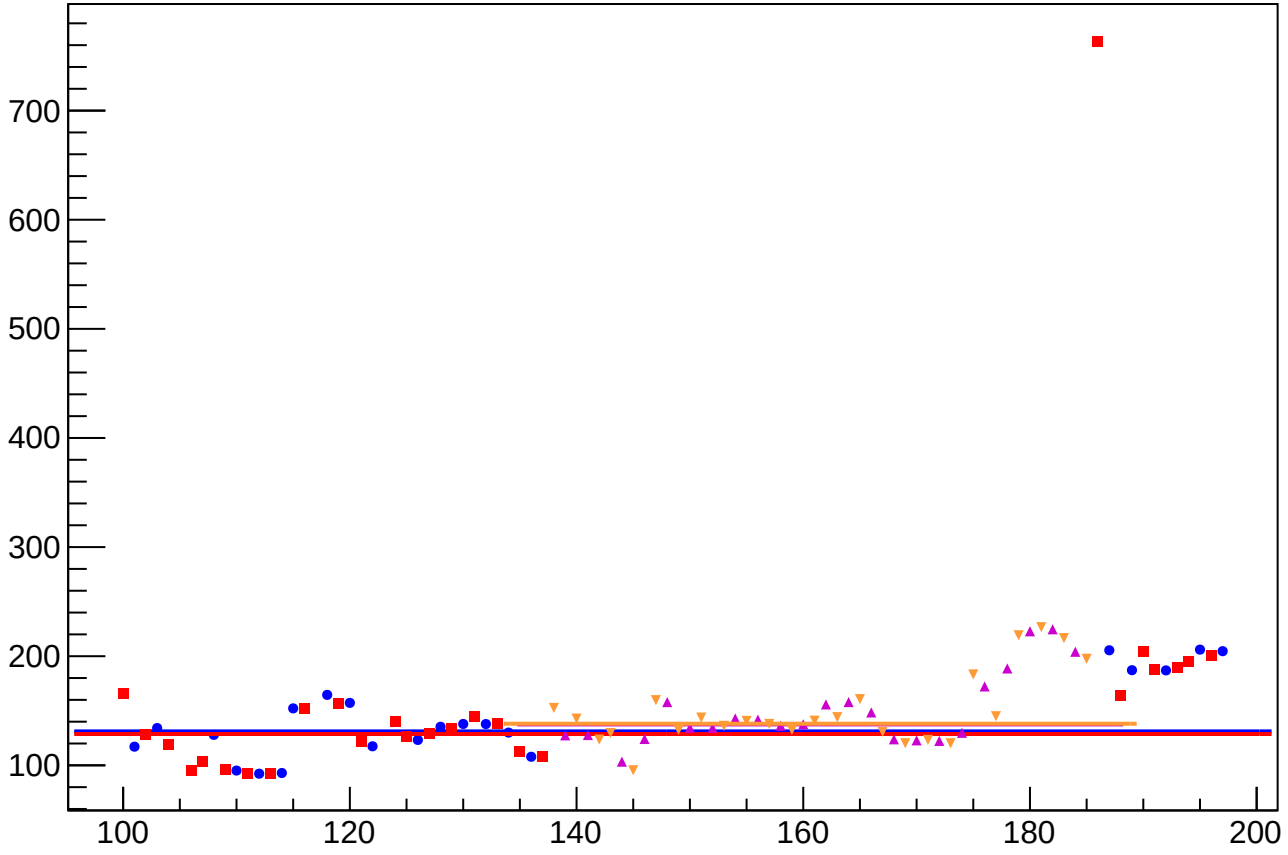
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 197.016+/-25.452 χ^2/NDF: 48.3/45

All: -13.371+/-17.904 χ^2/NDF: 237.3/94

- sign -219.454+/-25.191 χ^2/NDF: 53.7/48

dit_asym_sam_48_dd_rms vs Slug



Right In: 131.098+/-0.029 χ^2/NDF: 1267021.7/20

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 128.704+/-0.028 χ^2/NDF: 1960489.8/25

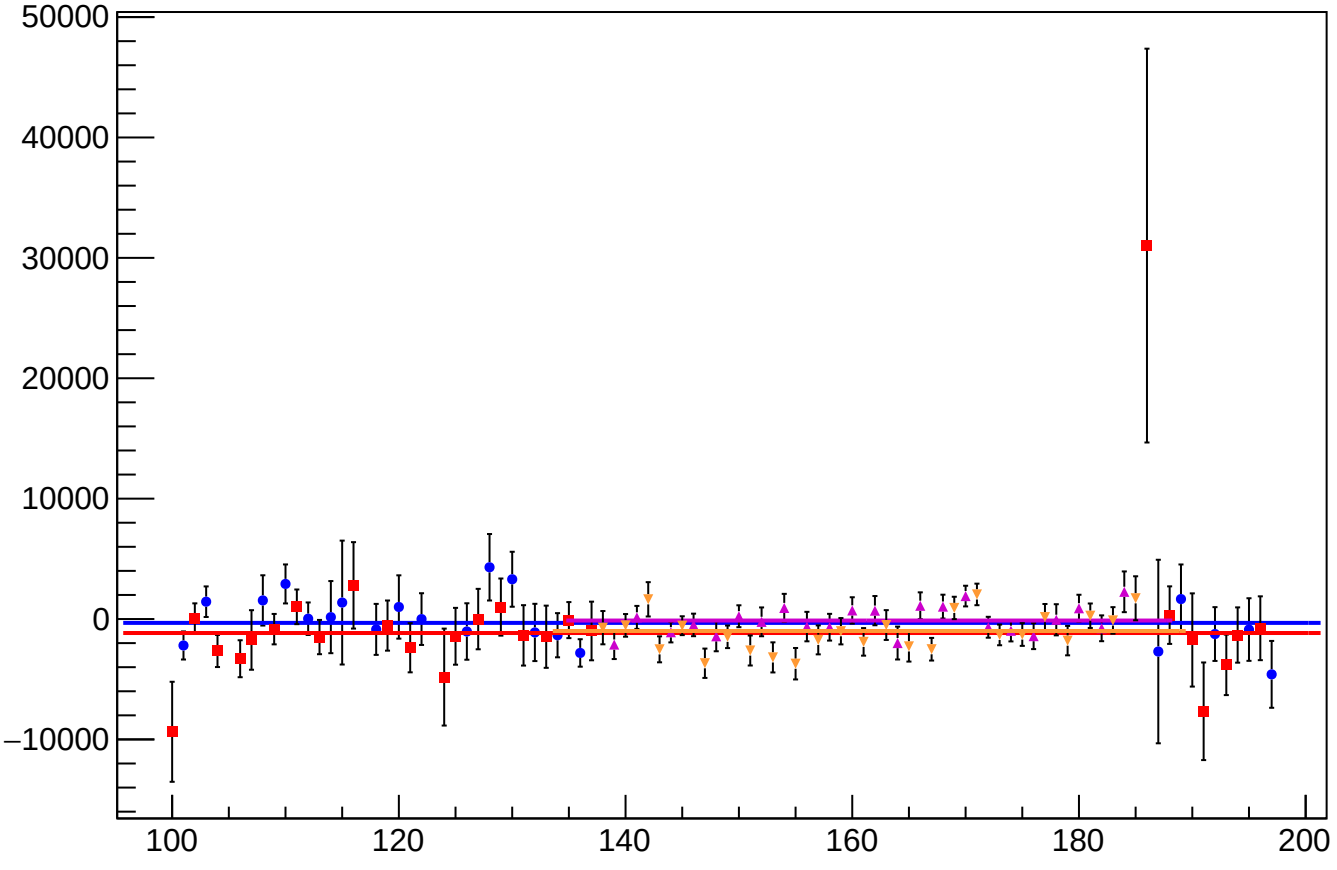
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 135.507+/-0.018 χ^2/NDF: 2640994.1/45

All: 134.674+/-0.013 χ^2/NDF: 5774080.2/94

- sign 133.858+/-0.018 χ^2/NDF: 3128844.2/48

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -319.810+/-422.062 χ^2/NDF: 23.6/20

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1160.801+/-398.141 χ^2/NDF: 22.6/25

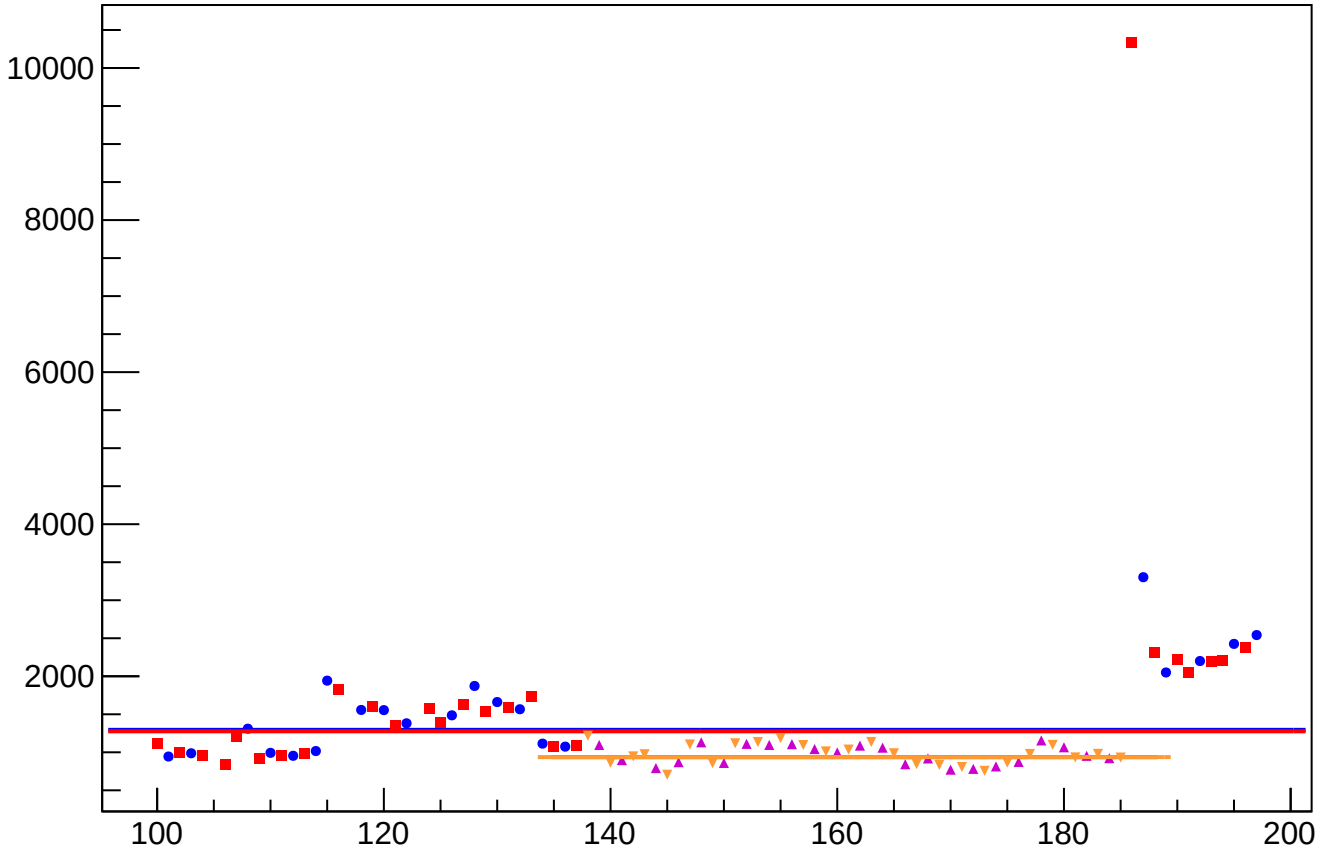
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -853.823+/-192.037 χ^2/NDF: 72.6/45

All: -613.457+/-136.295 χ^2/NDF: 127.4/94

- sign -369.482+/-193.473 χ^2/NDF: 51.6/48

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1295.378+/-0.298 χ^2/NDF: 2257533.5/20

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1275.590+/-0.282 χ^2/NDF: 3173810.0/25

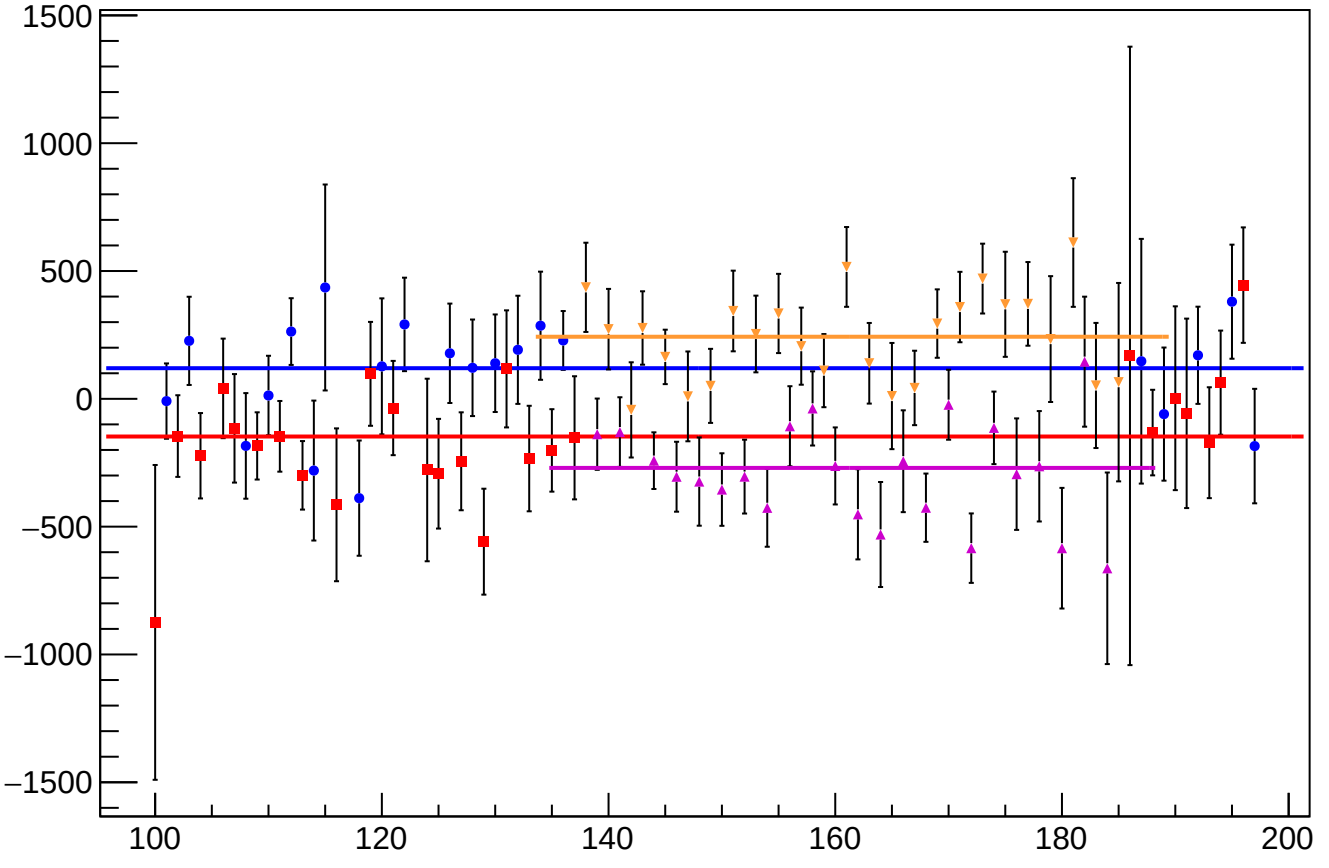
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1010.989+/-0.136 χ^2/NDF: 4235079.7/45

All: 1013.714+/-0.096 χ^2/NDF: 9161388.4/94

- sign 1016.481+/-0.137 χ^2/NDF: 4925496.8/48

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 119.838+/-41.686 χ^2/NDF: 19.2/20

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -147.415+/-39.175 χ^2/NDF: 21.2/25

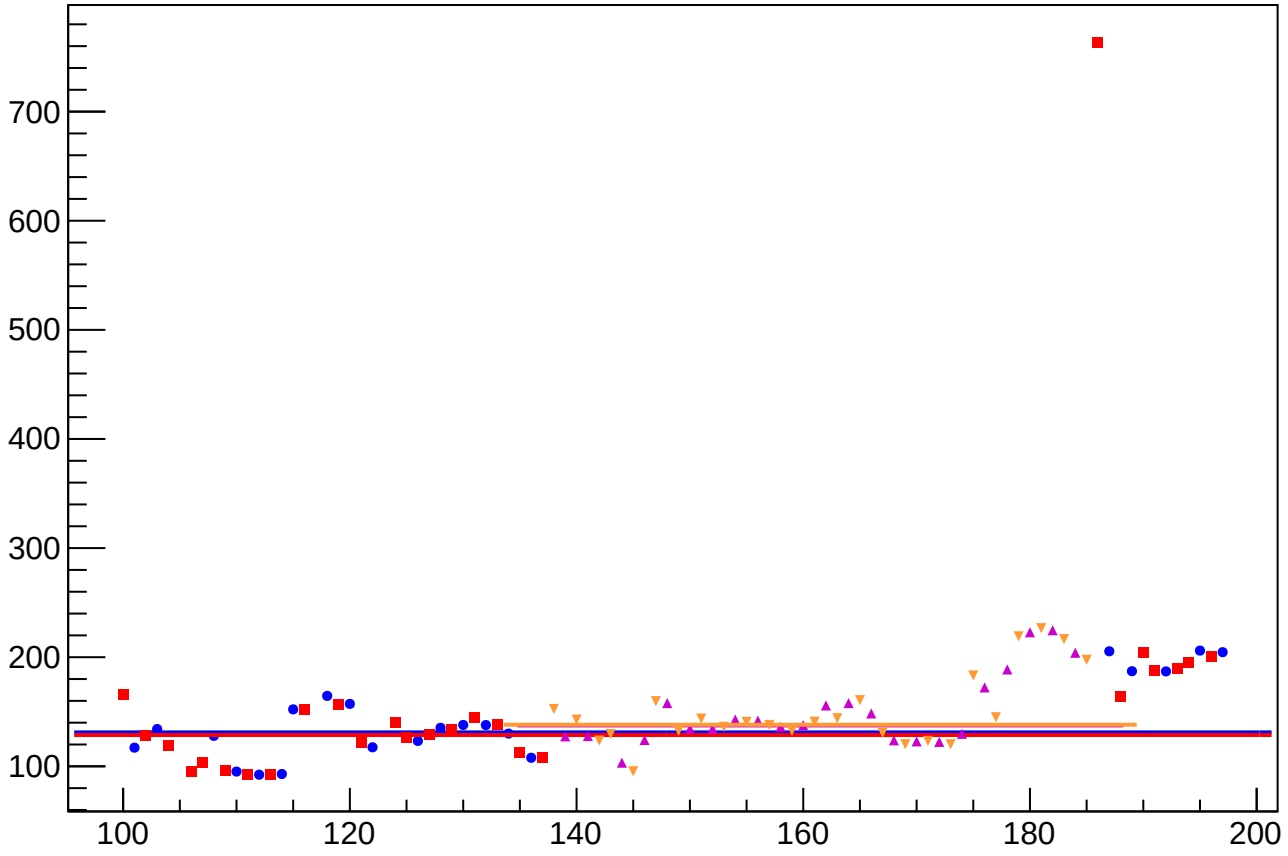
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 197.018+/-25.452 χ^2/NDF: 48.3/45

All: -13.371+/-17.904 χ^2/NDF: 237.3/94

- sign -219.455+/-25.191 χ^2/NDF: 53.7/48

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 131.098+/-0.029 χ^2/NDF: 1267017.2/20

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 128.704+/-0.028 χ^2/NDF: 1960492.7/25

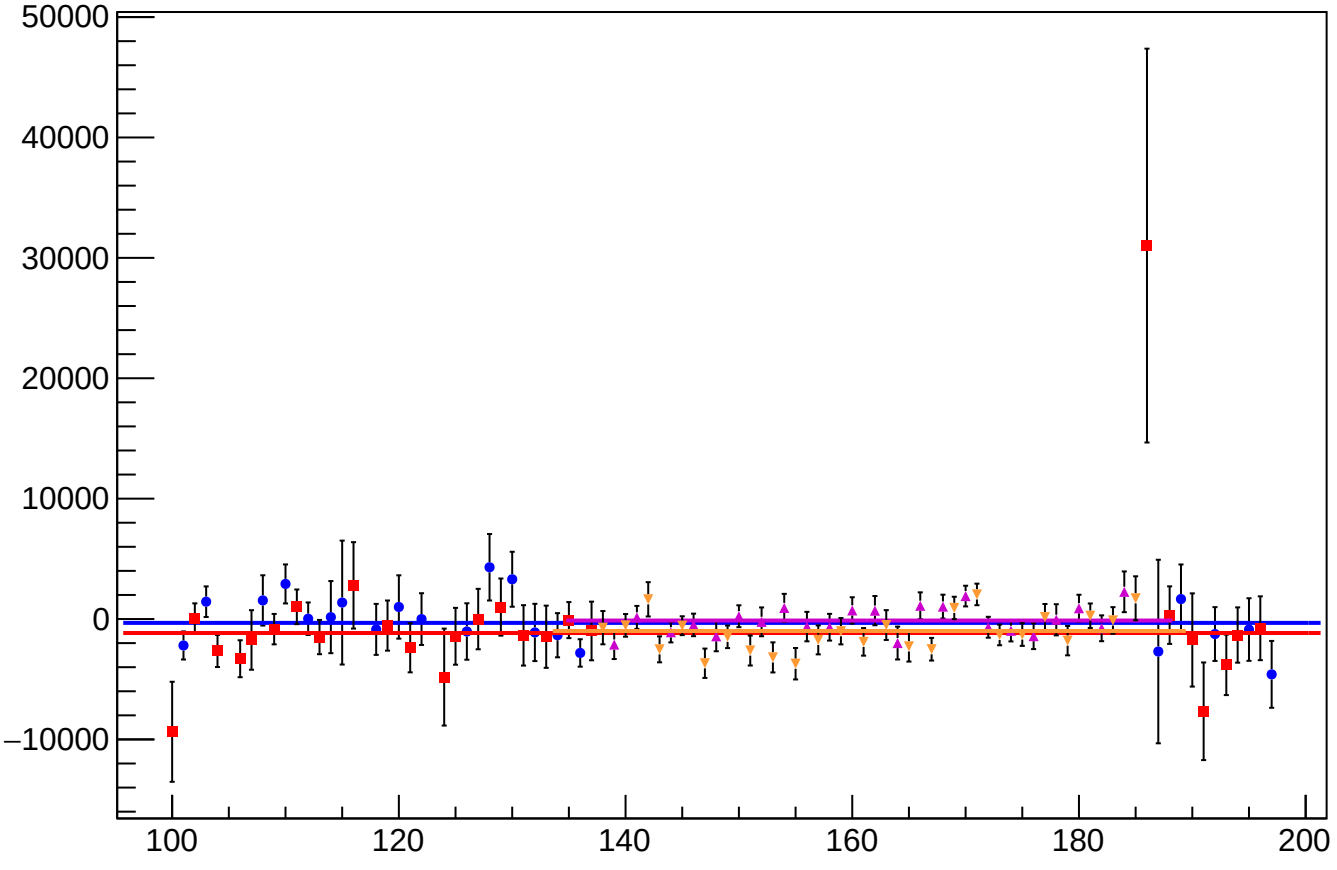
Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 135.507+/-0.018 χ^2/NDF: 2640992.8/45

All: 134.674+/-0.013 χ^2/NDF: 5774068.4/94

- sign 133.858+/-0.018 χ^2/NDF: 3128833.6/48

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -319.810+/-422.062 χ^2/NDF: 23.6/20

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1160.800+/-398.141 χ^2/NDF: 22.6/25

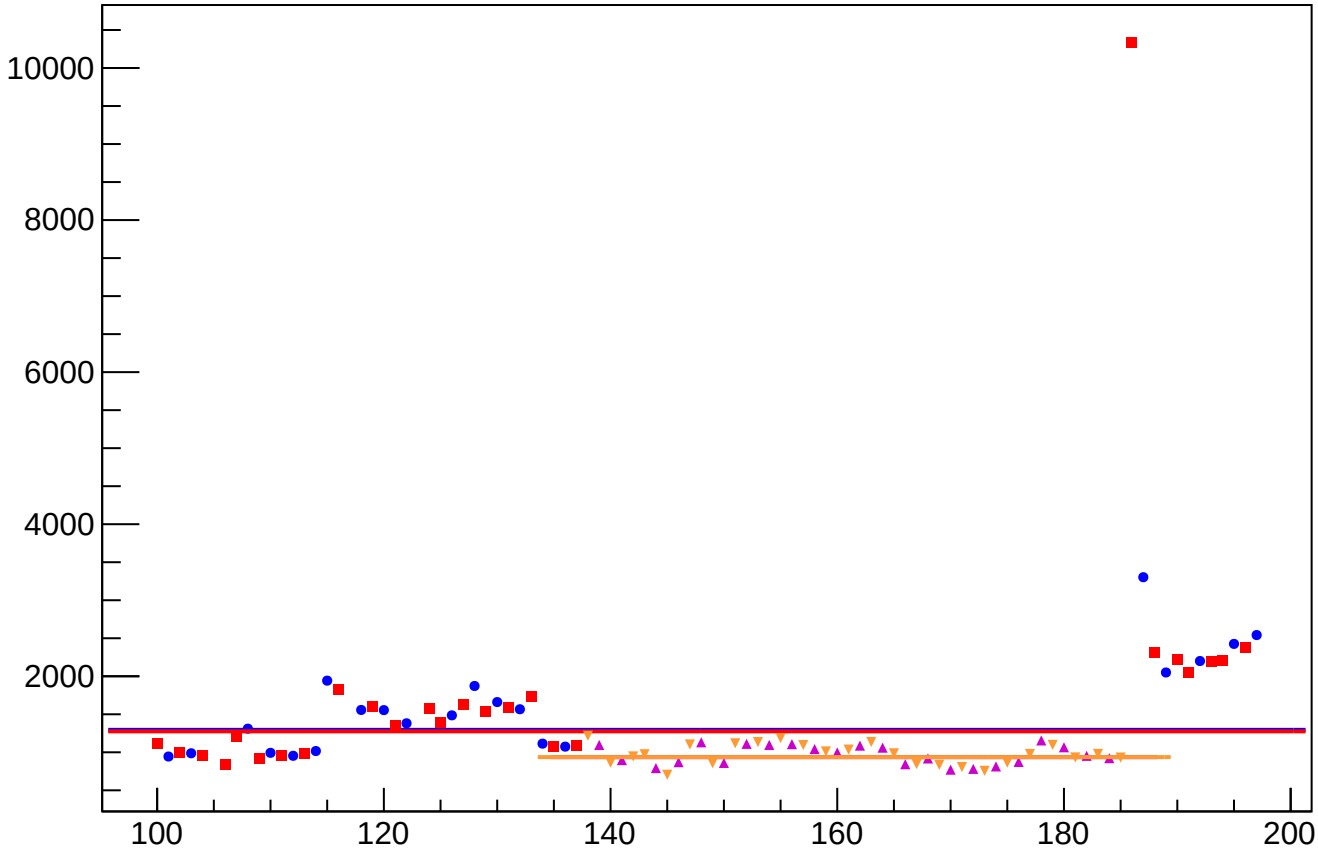
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -853.821+/-192.037 χ^2/NDF: 72.6/45

All: -613.455+/-136.295 χ^2/NDF: 127.4/94

- sign -369.481+/-193.473 χ^2/NDF: 51.6/48

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1295.377+/-0.298 χ^2/NDF: 2257532.5/20

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1275.590+/-0.282 χ^2/NDF: 3173804.9/25

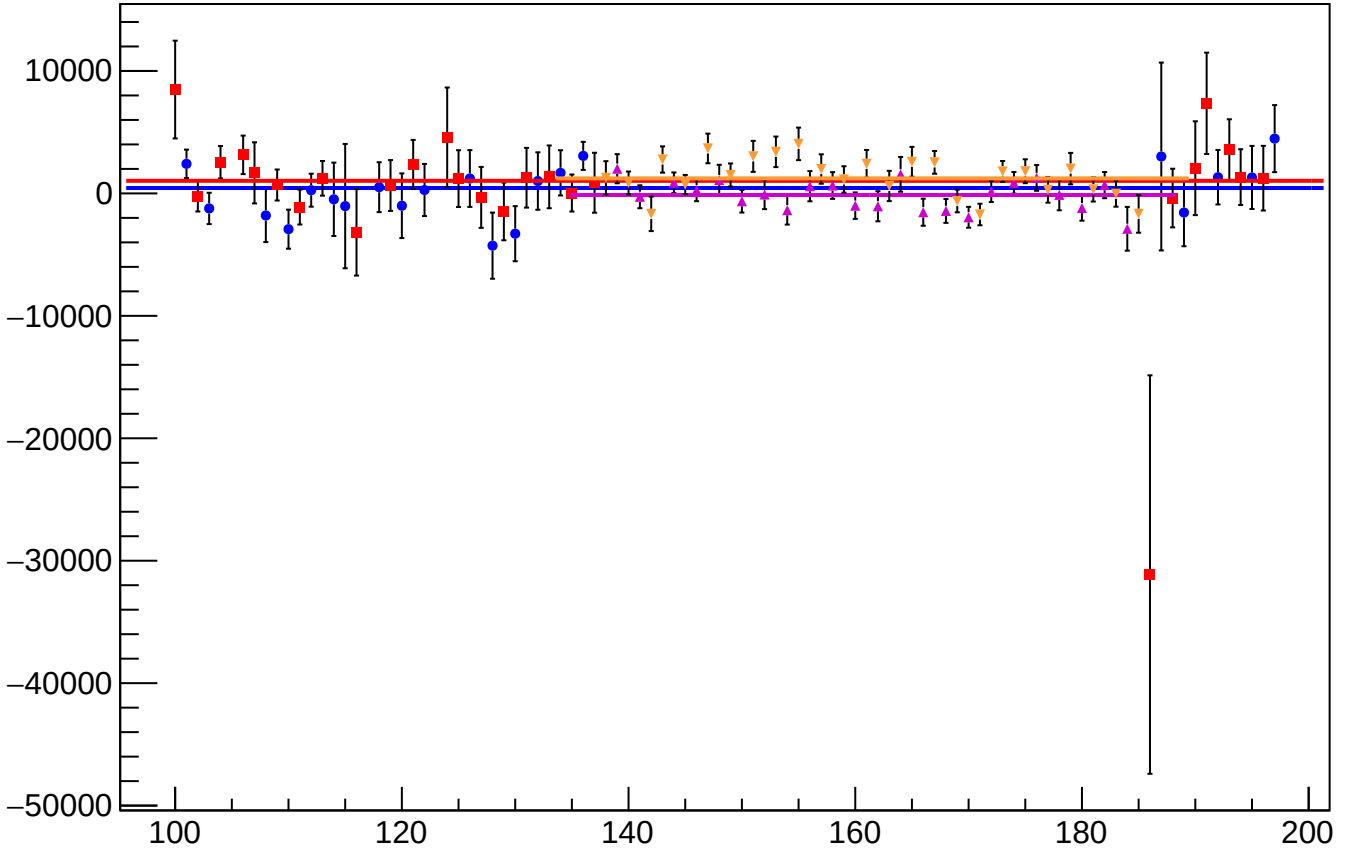
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1010.988+/-0.136 χ^2/NDF: 4235088.4/45

All: 1013.713+/-0.096 χ^2/NDF: 9161395.7/94

- sign 1016.480+/-0.137 χ^2/NDF: 4925495.4/48

asym_sam_48_dd_mean vs Slug



Right In: 441.693+/-420.536 χ^2/NDF: 25.3/20

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1028.539+/-397.571 χ^2/NDF: 22.3/25

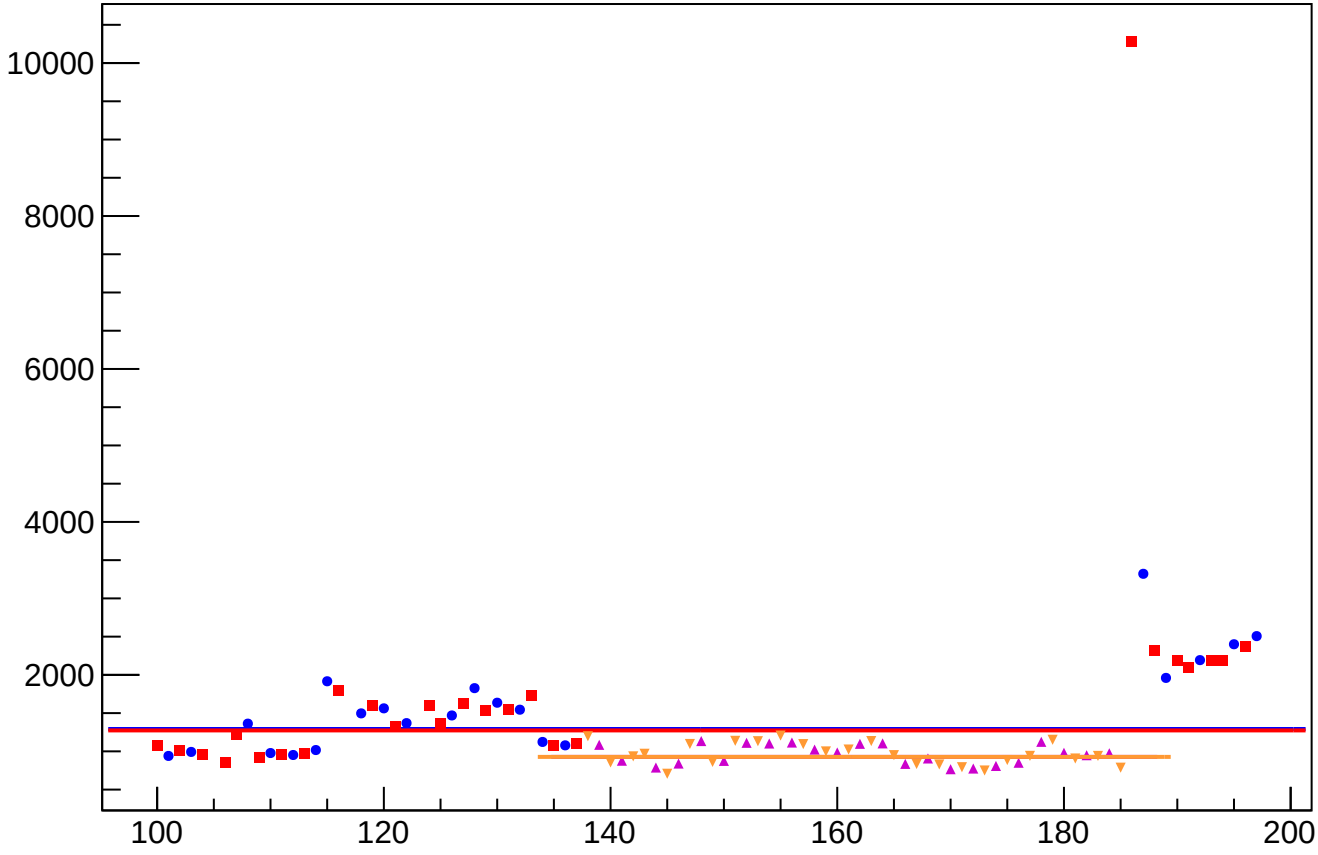
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1064.484+/-190.615 χ^2/NDF: 76.6/45

All: 604.646+/-135.275 χ^2/NDF: 143.0/94

- sign 138.053+/-192.010 χ^2/NDF: 54.7/48

asym_sam_48_dd_rms vs Slug



Right In: 1292.266+/-0.297 χ^2/NDF: 2186095.4/20

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1273.855+/-0.281 χ^2/NDF: 3130824.2/25

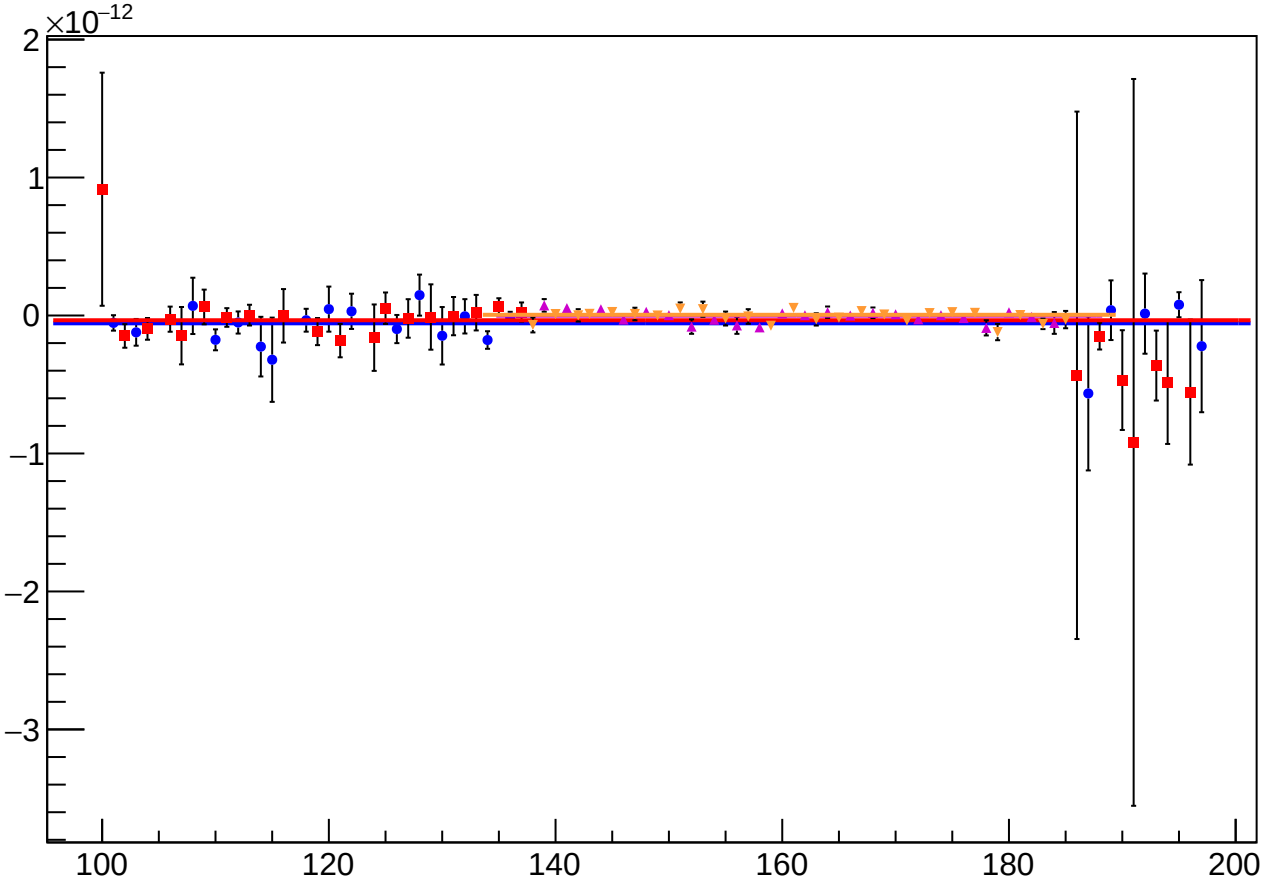
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1002.528+/-0.135 χ^2/NDF: 4256073.4/45

All: 1005.318+/-0.096 χ^2/NDF: 9209360.9/94

- sign 1008.149+/-0.136 χ^2/NDF: 4952424.3/48

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

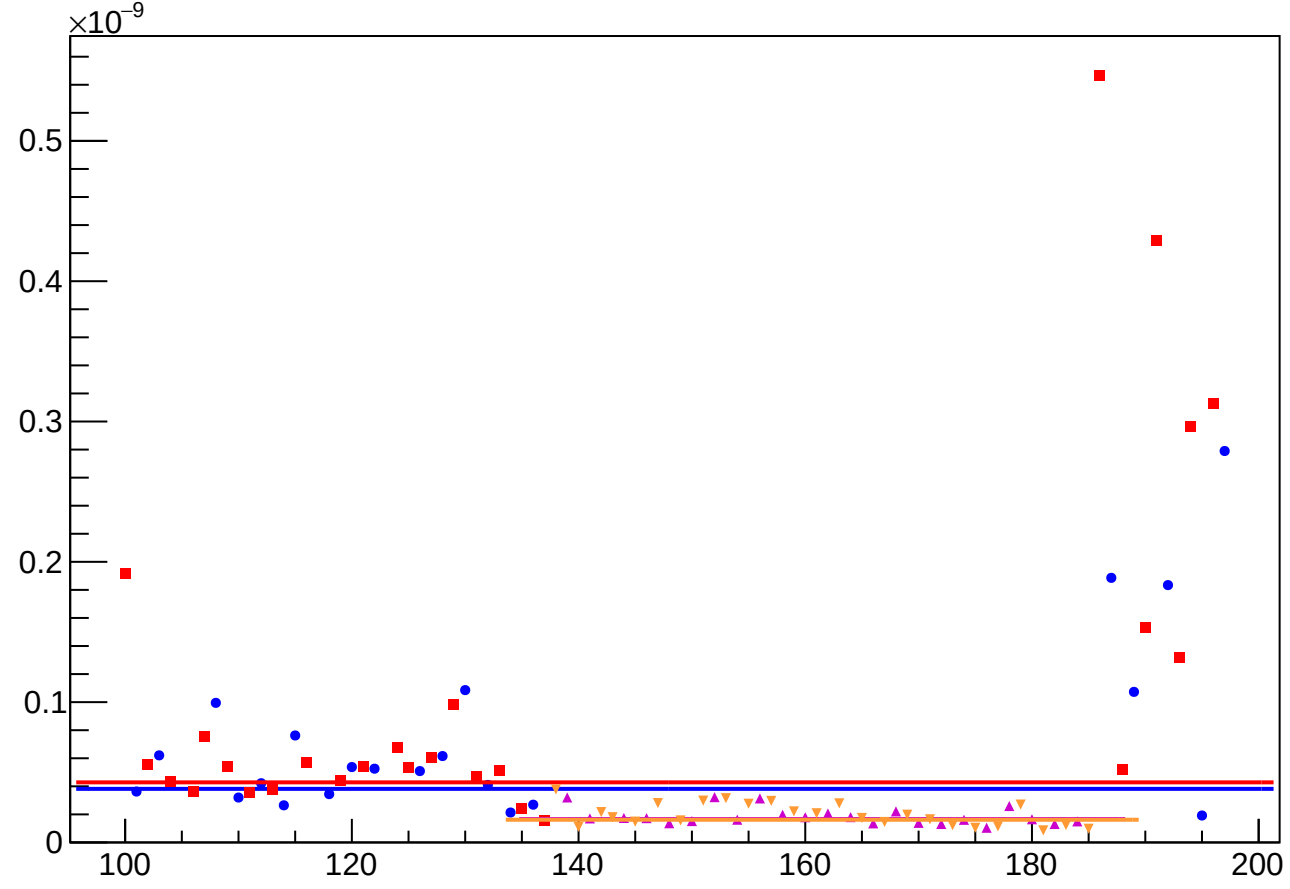
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/25

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.3/45

All: -0.000+/-0.000 χ^2/NDF: 97.7/94

- sign -0.000+/-0.000 χ^2/NDF: 48.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 2443684.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2742730.0/25

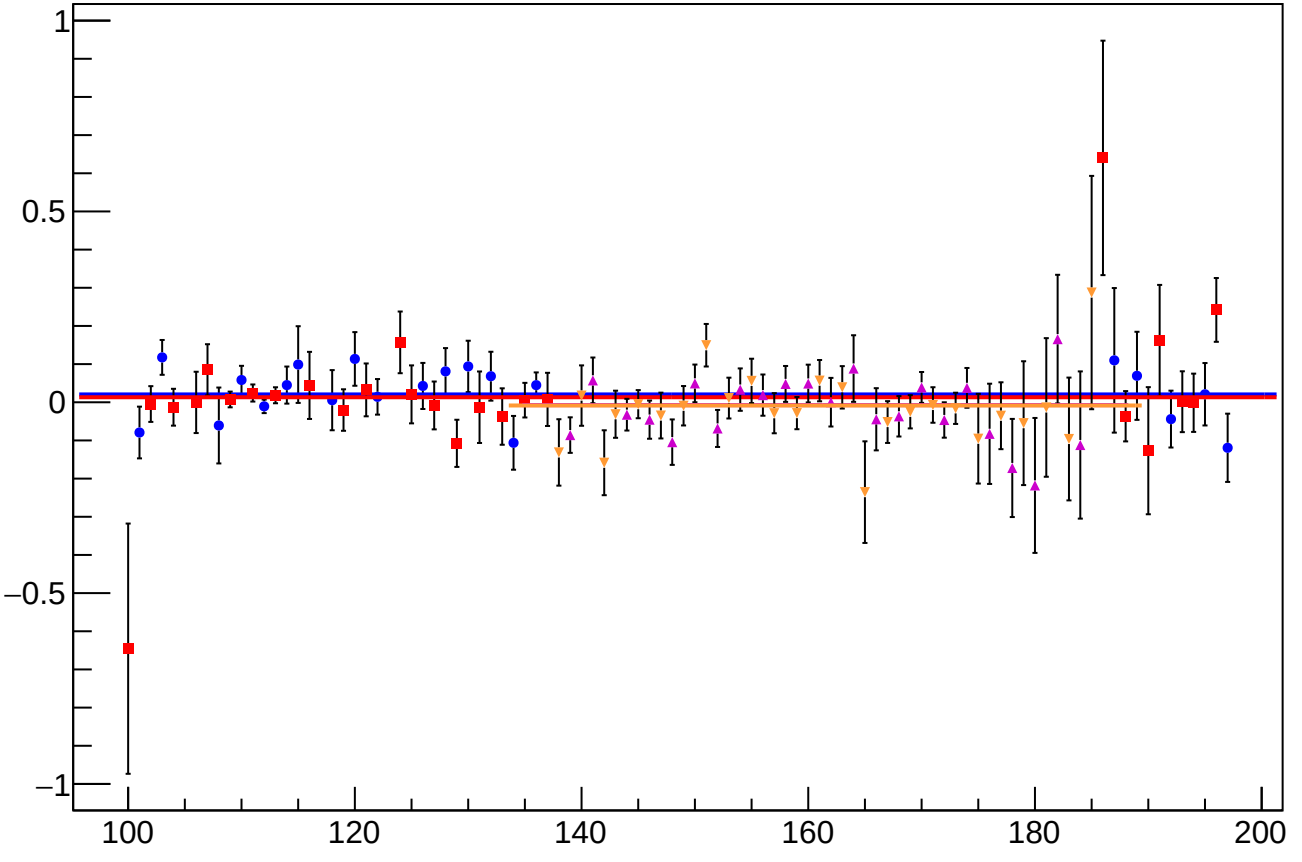
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6455561.2/45

All: 0.000+/-0.000 χ^2/NDF: 12662010.9/94

- sign 0.000+/-0.000 χ^2/NDF: 6188968.3/48

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.011 χ^2/NDF: 24.4/20

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/25

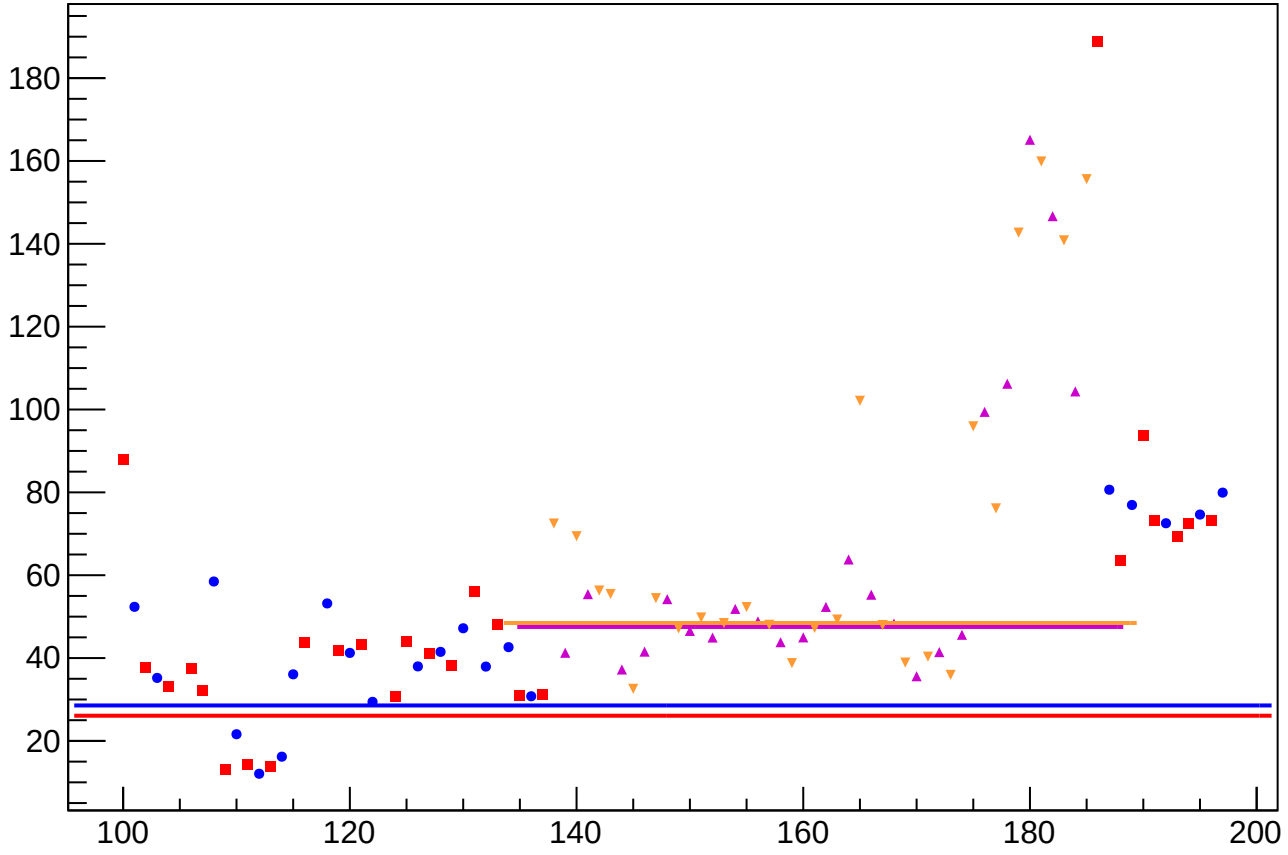
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.008+/-0.008 χ^2/NDF: 50.8/45

All: 0.006+/-0.005 χ^2/NDF: 104.2/94

- sign 0.005+/-0.007 χ^2/NDF: 53.4/48

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.560+/-0.008 χ^2/NDF: 5590921.6/20

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

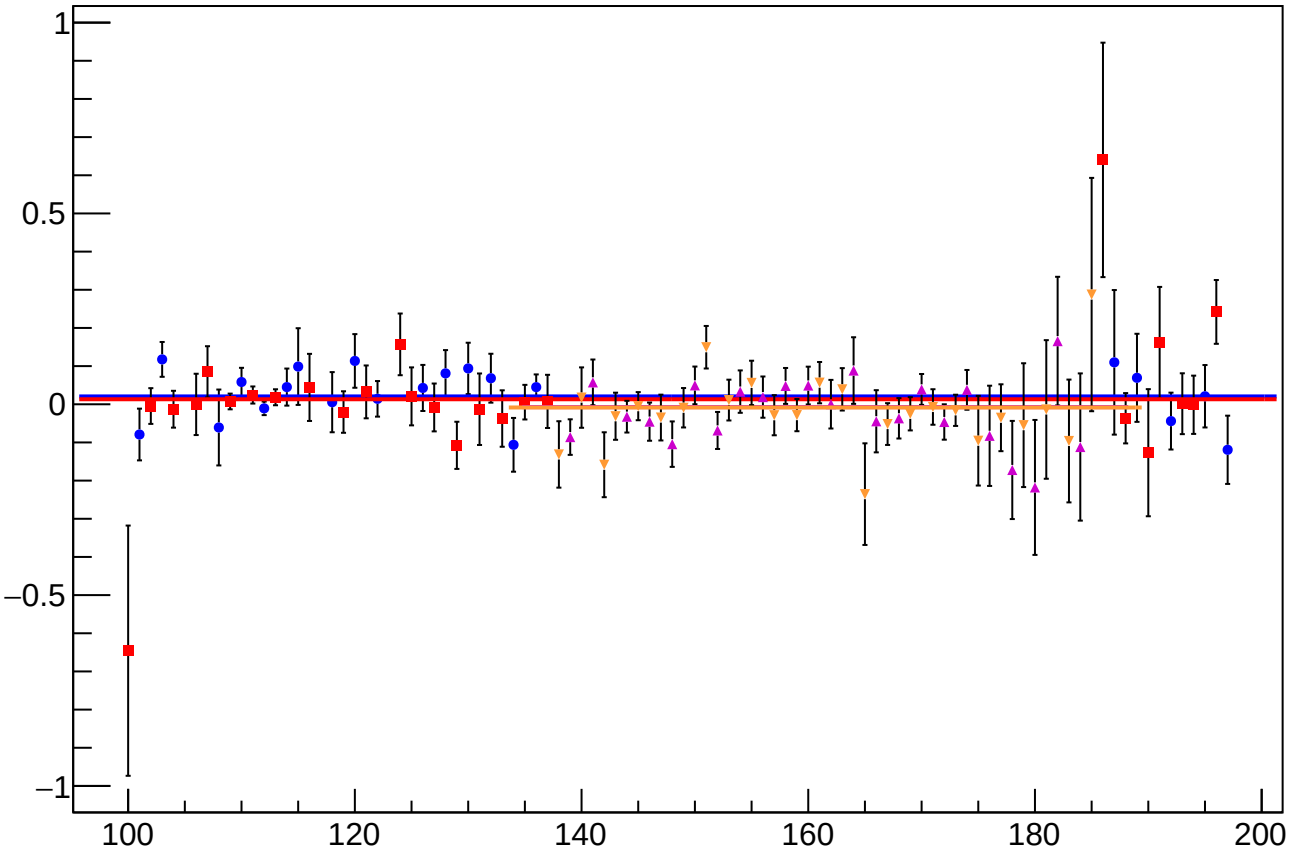
Right Out: 26.083+/-0.007 χ^2/NDF: 7110543.3/25

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 37.381+/-0.006 χ^2/NDF: 13027924.7/45

All: 35.703+/-0.004 χ^2/NDF: 27300028.1/94

- sign 34.253+/-0.005 χ^2/NDF: 14107743.4/48



Right In: 0.021+/-0.011 χ^2/NDF: 24.4/20

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

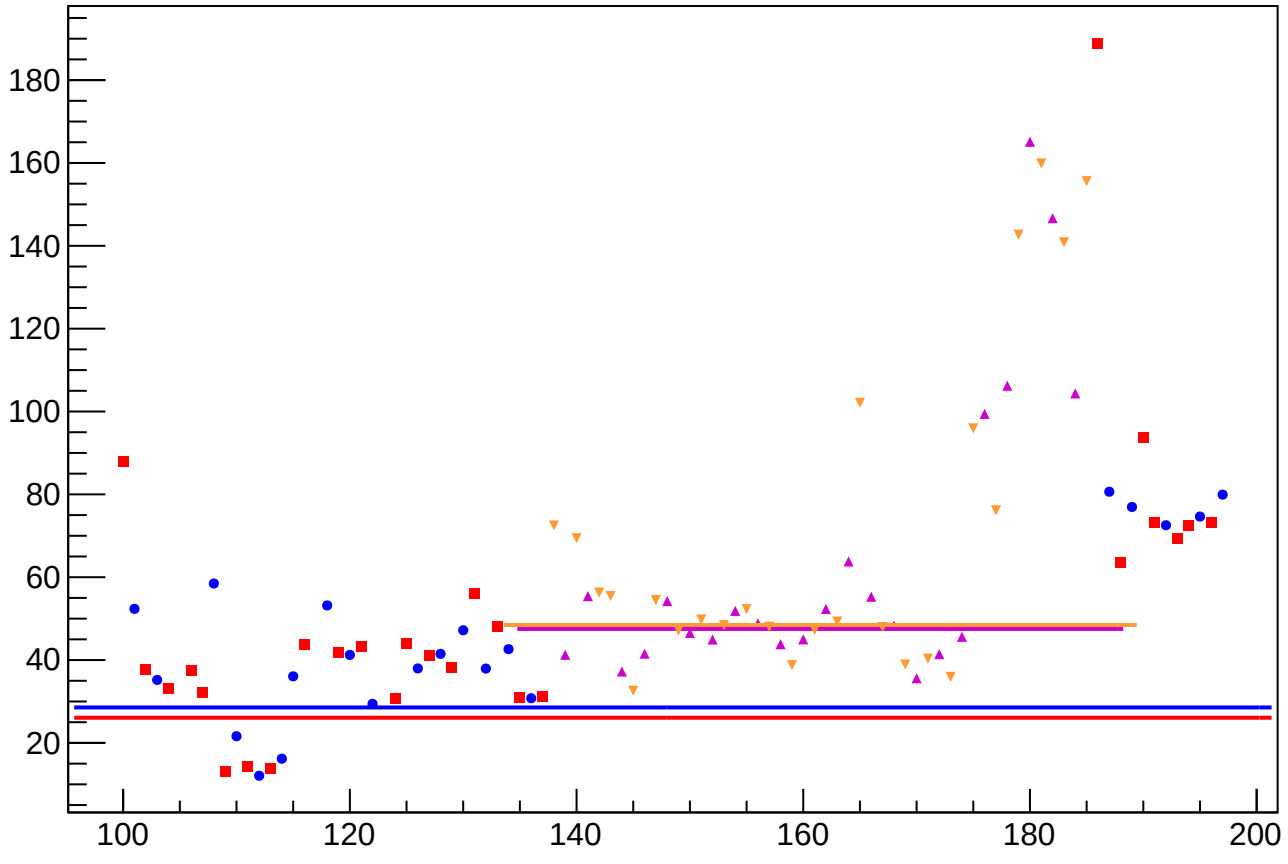
Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/25

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.008+/-0.008 χ^2/NDF: 50.8/45

All: 0.006+/-0.005 χ^2/NDF: 104.2/94

- sign 0.005+/-0.007 χ^2/NDF: 53.4/48



Right In: 28.560+/-0.008 χ^2/NDF: 5590921.6/20

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

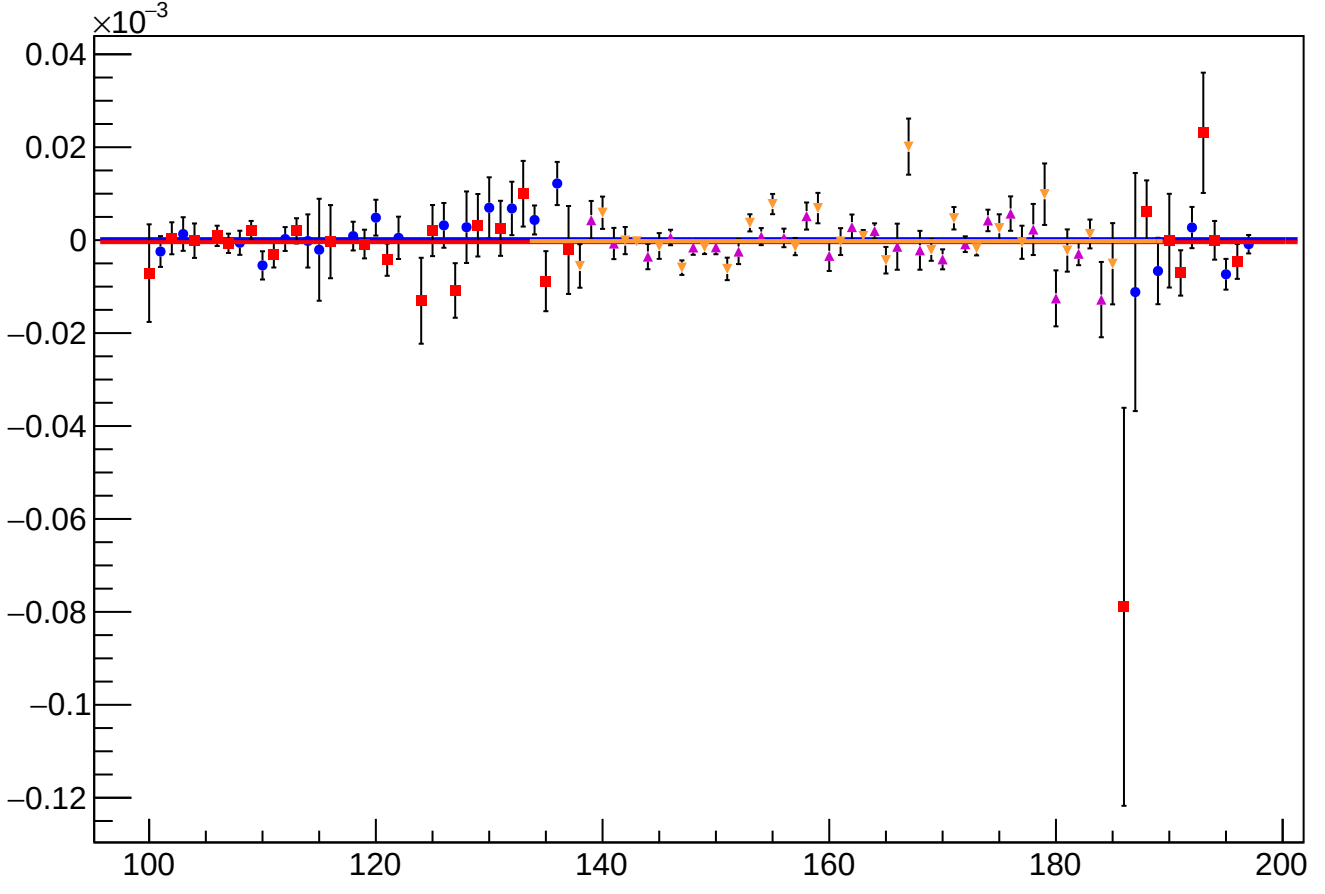
Right Out: 26.083+/-0.007 χ^2/NDF: 7110543.3/25

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 37.381+/-0.006 χ^2/NDF: 13027924.7/45

All: 35.703+/-0.004 χ^2/NDF: 27300028.1/94

- sign 34.253+/-0.005 χ^2/NDF: 14107743.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

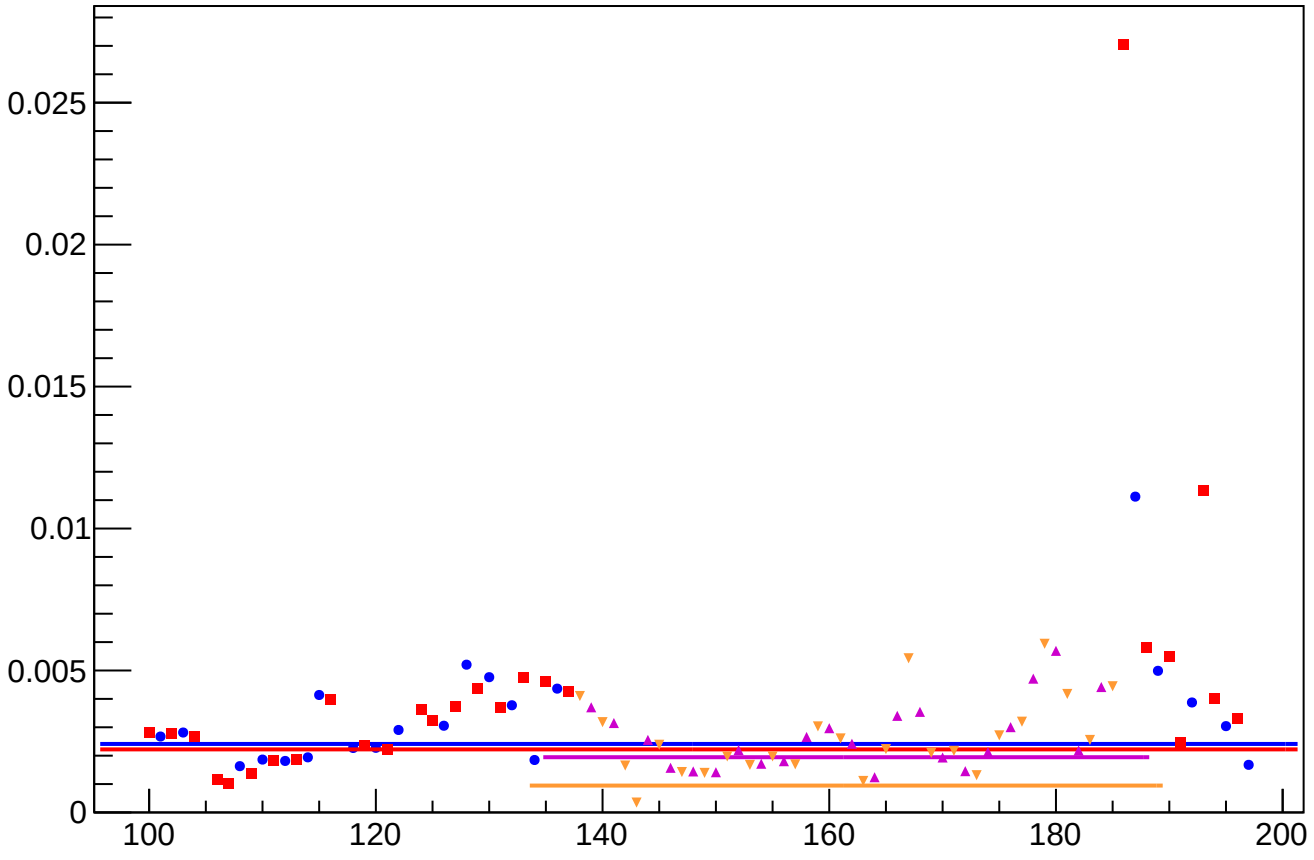
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/25

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 95.9/45

All: -0.000+/-0.000 χ^2/NDF: 152.9/94

- sign -0.000+/-0.000 χ^2/NDF: 56.9/48



Right In: 0.002+/-0.000 χ^2/NDF: 2626261.0/20

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

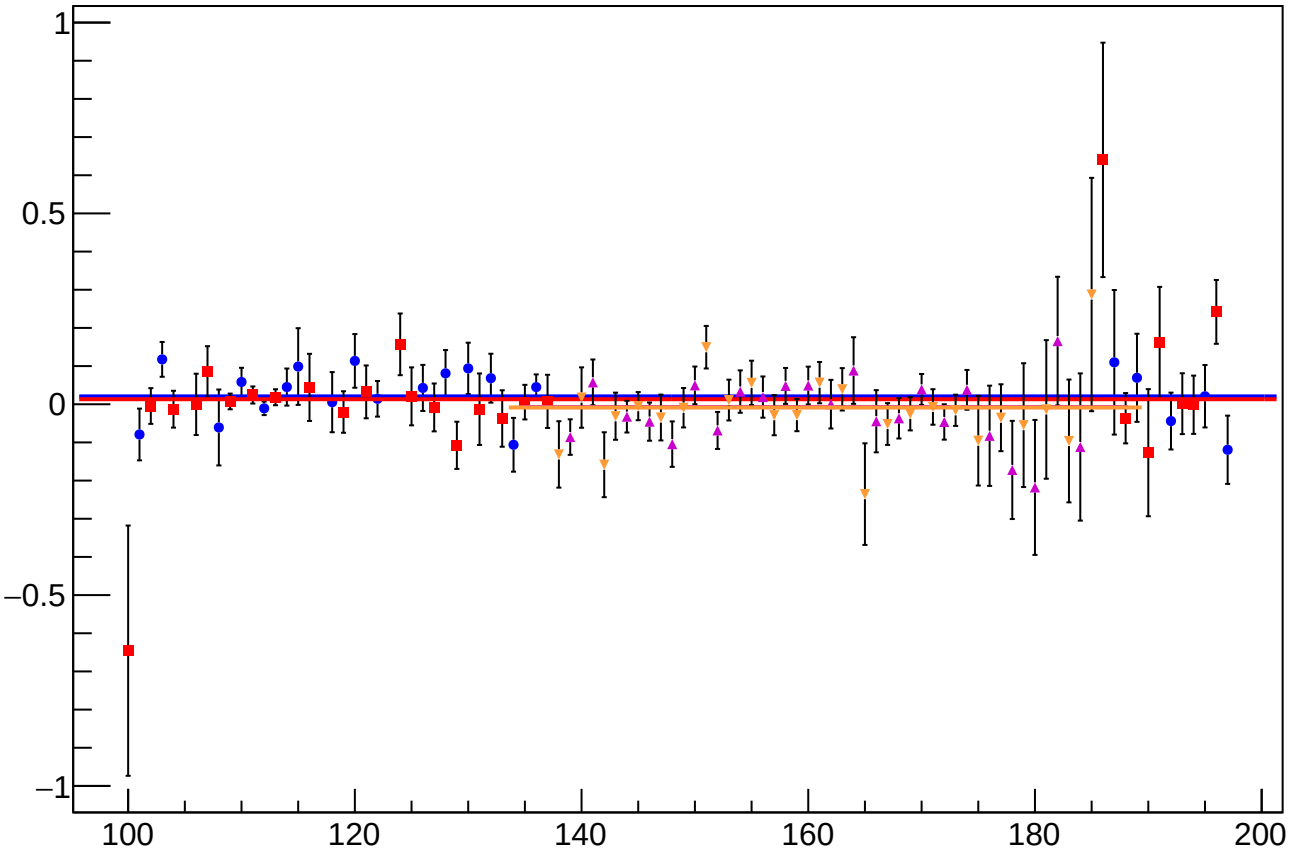
Right Out: 0.002+/-0.000 χ^2/NDF: 5947708.8/25

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 25957057.0/45

All: 0.001+/-0.000 χ^2/NDF: 42915150.2/94

- sign 0.002+/-0.000 χ^2/NDF: 10493575.4/48



Right In: 0.021+/-0.011 χ^2/NDF: 24.4/20

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

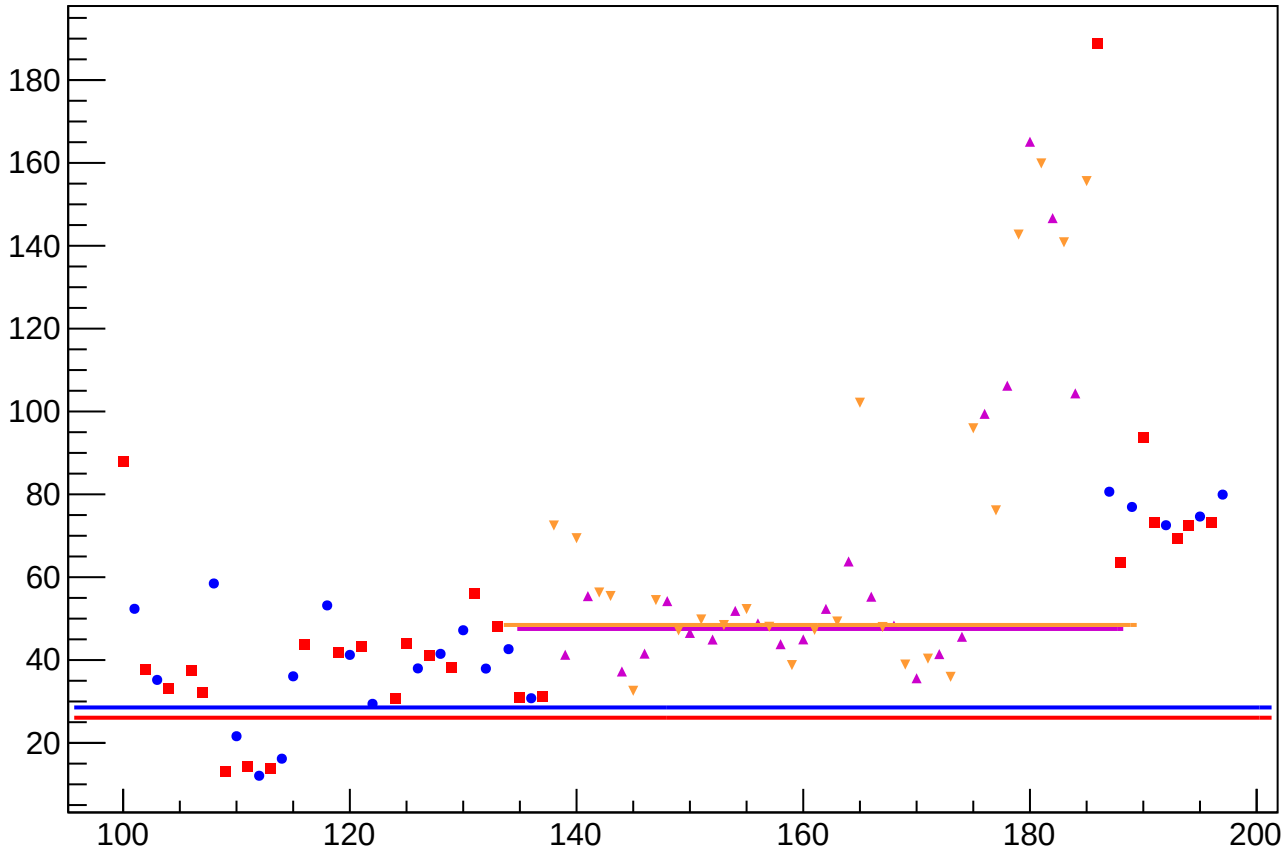
Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/25

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.008+/-0.008 χ^2/NDF: 50.8/45

All: 0.006+/-0.005 χ^2/NDF: 104.2/94

- sign 0.005+/-0.007 χ^2/NDF: 53.4/48



Right In: 28.558+/-0.008 χ^2/NDF: 5591475.1/20

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

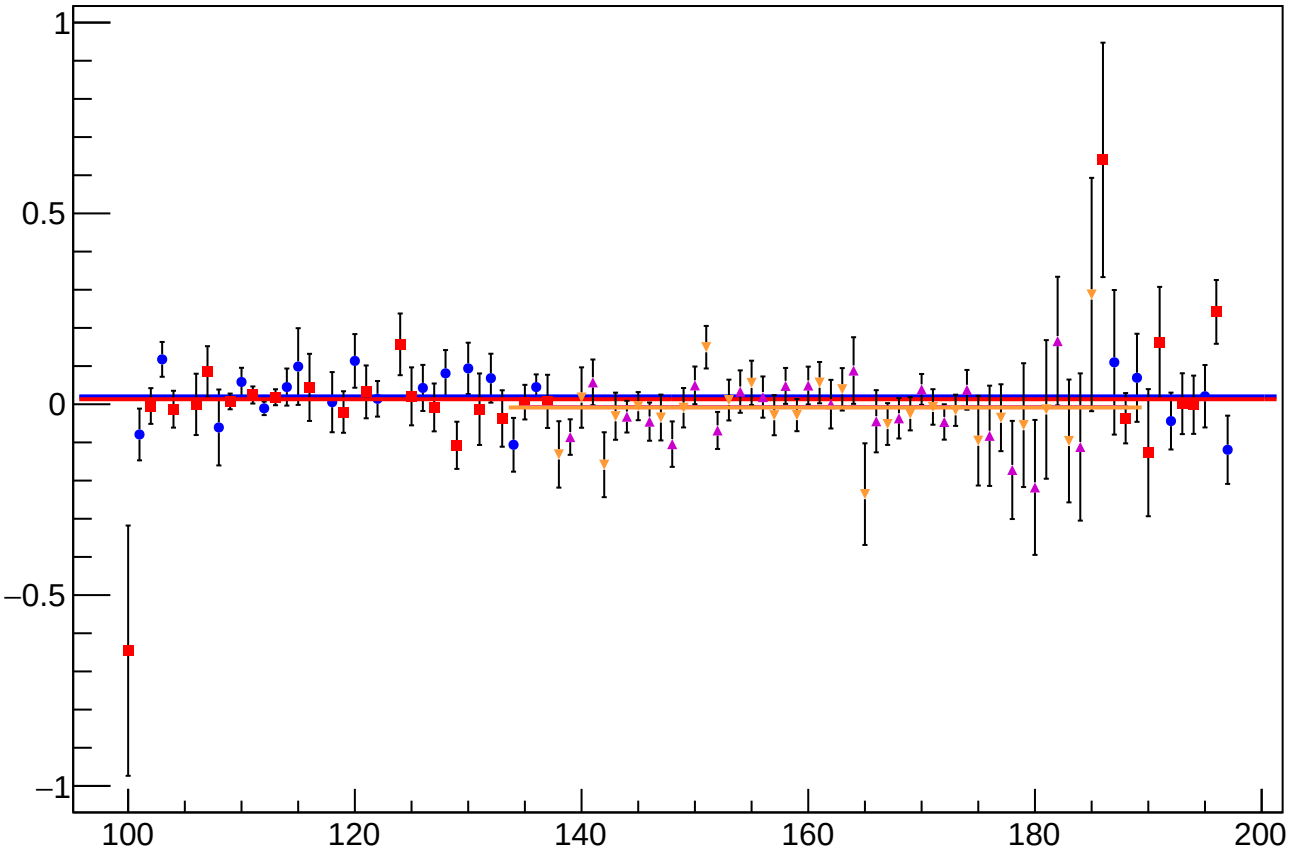
Right Out: 26.082+/-0.007 χ^2/NDF: 7110731.6/25

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 37.380+/-0.006 χ^2/NDF: 13029020.5/45

All: 35.703+/-0.004 χ^2/NDF: 27301409.3/94

- sign 34.253+/-0.005 χ^2/NDF: 14108106.5/48



Right In: 0.021+/-0.011 χ^2/NDF: 24.4/20

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

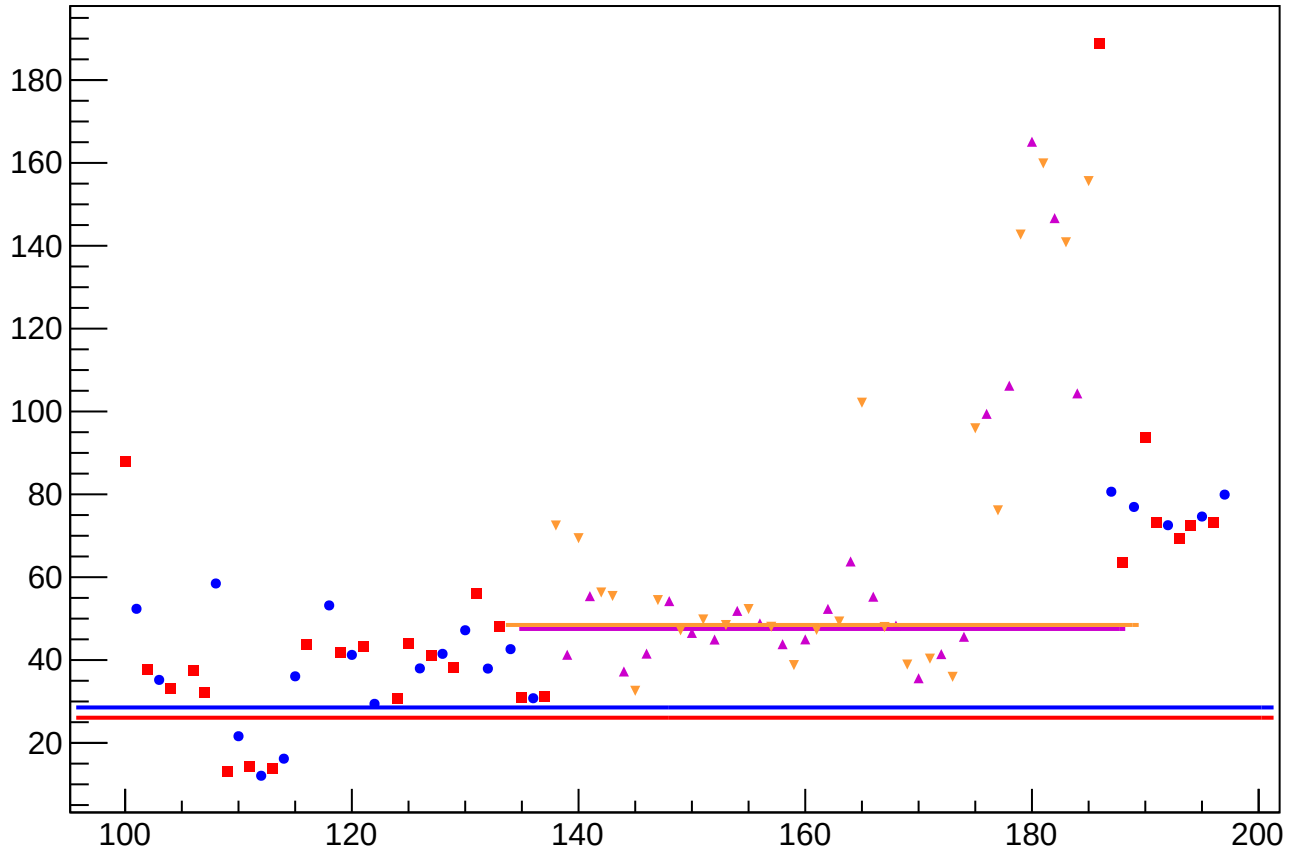
Right Out: 0.013+/-0.009 χ^2/NDF: 28.3/25

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.008+/-0.008 χ^2/NDF: 50.8/45

All: 0.006+/-0.005 χ^2/NDF: 104.2/94

- sign 0.005+/-0.007 χ^2/NDF: 53.4/48



Right In: 28.558+/-0.008 χ^2/NDF: 5591475.1/20

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

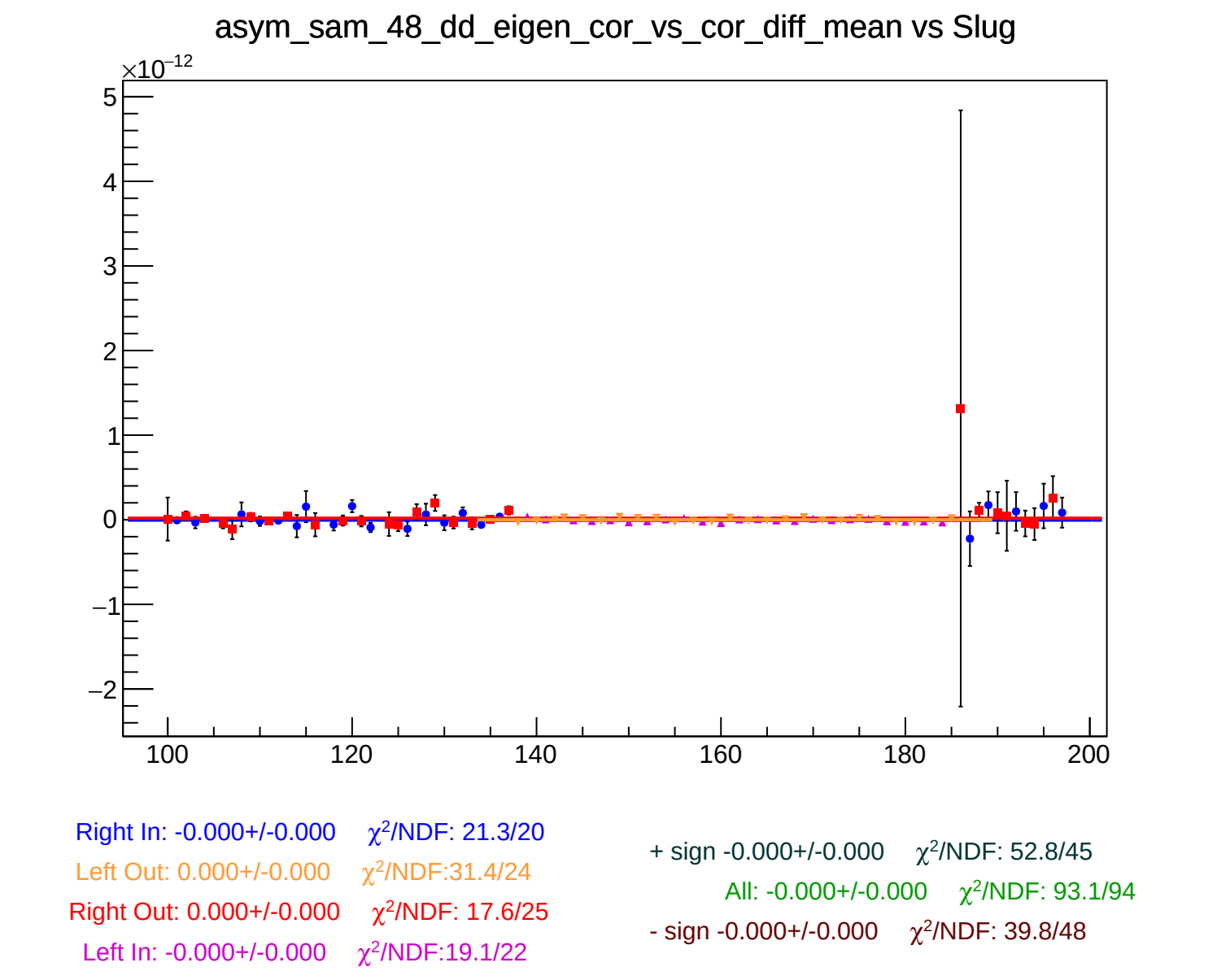
Right Out: 26.082+/-0.007 χ^2/NDF: 7110731.6/25

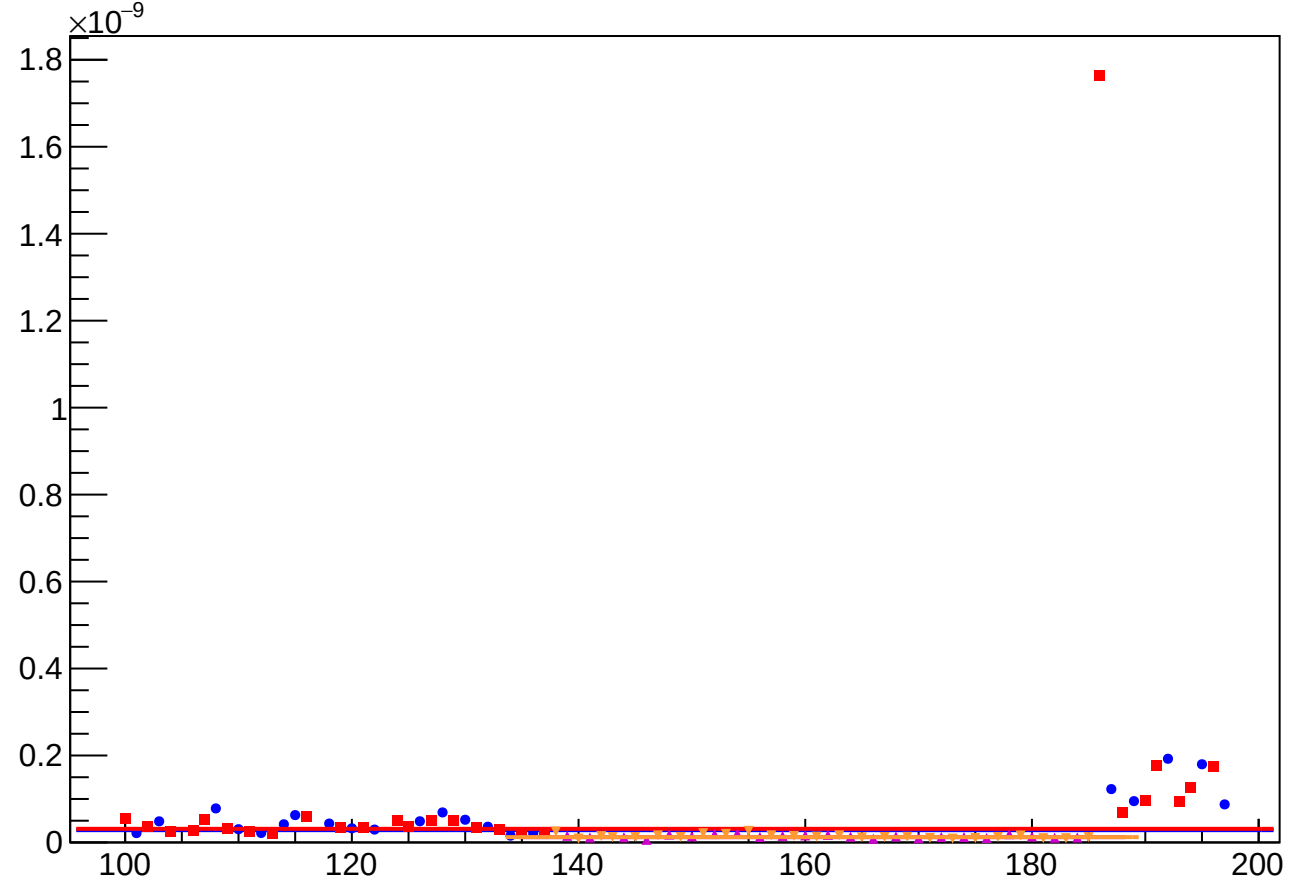
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 37.380+/-0.006 χ^2/NDF: 13029020.5/45

All: 35.703+/-0.004 χ^2/NDF: 27301409.3/94

- sign 34.253+/-0.005 χ^2/NDF: 14108106.5/48


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: 21.3/20
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 17.6/25
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
+ sign -0.000+/-0.000 χ²/NDF: 52.8/45
All: -0.000+/-0.000 χ²/NDF: 93.1/94
- sign -0.000+/-0.000 χ²/NDF: 39.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 4161539.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3686505.6/25

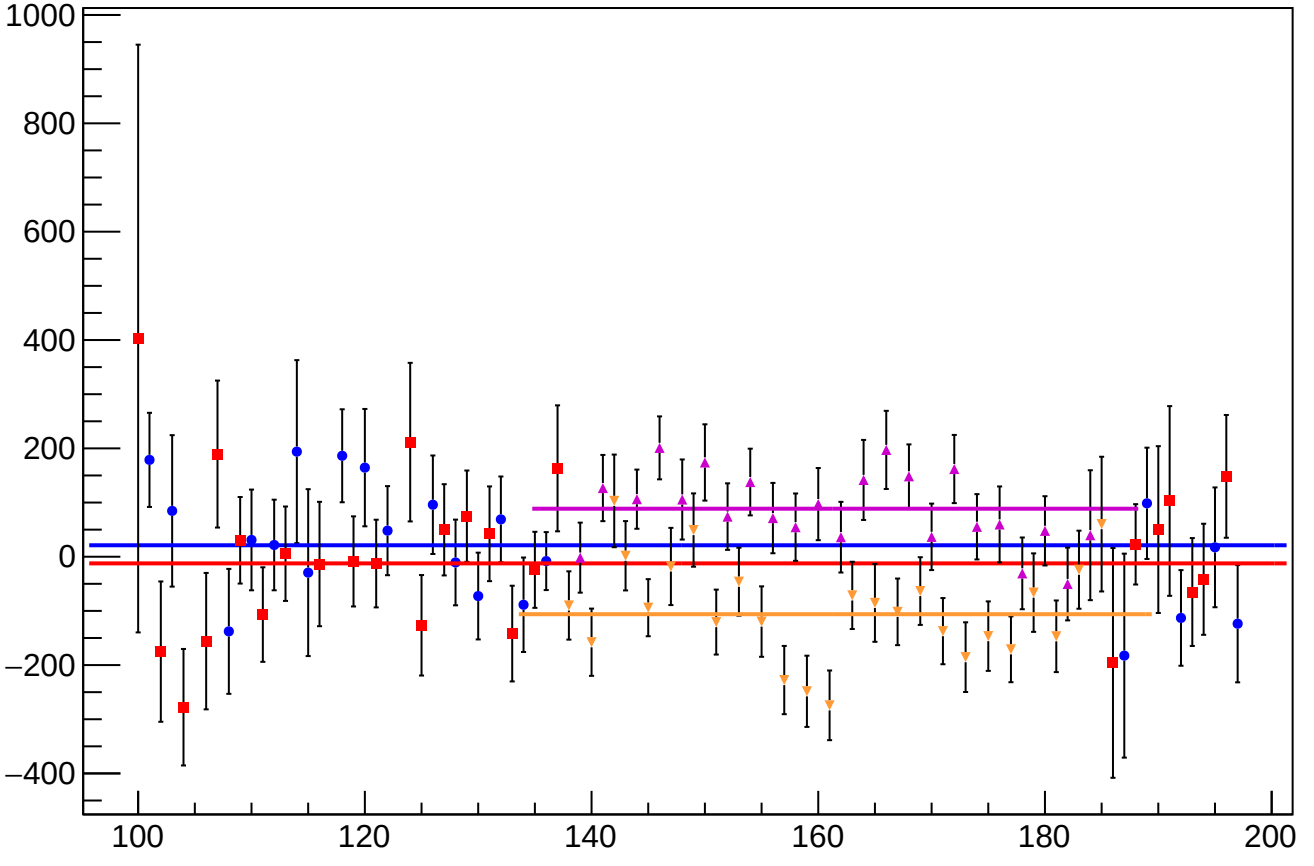
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9071557.5/45

All: 0.000+/-0.000 χ^2/NDF: 18696567.8/94

- sign 0.000+/-0.000 χ^2/NDF: 9622562.4/48

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 21.156+/-20.164 χ^2/NDF: 22.4/20

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -12.282+/-19.636 χ^2/NDF: 27.5/25

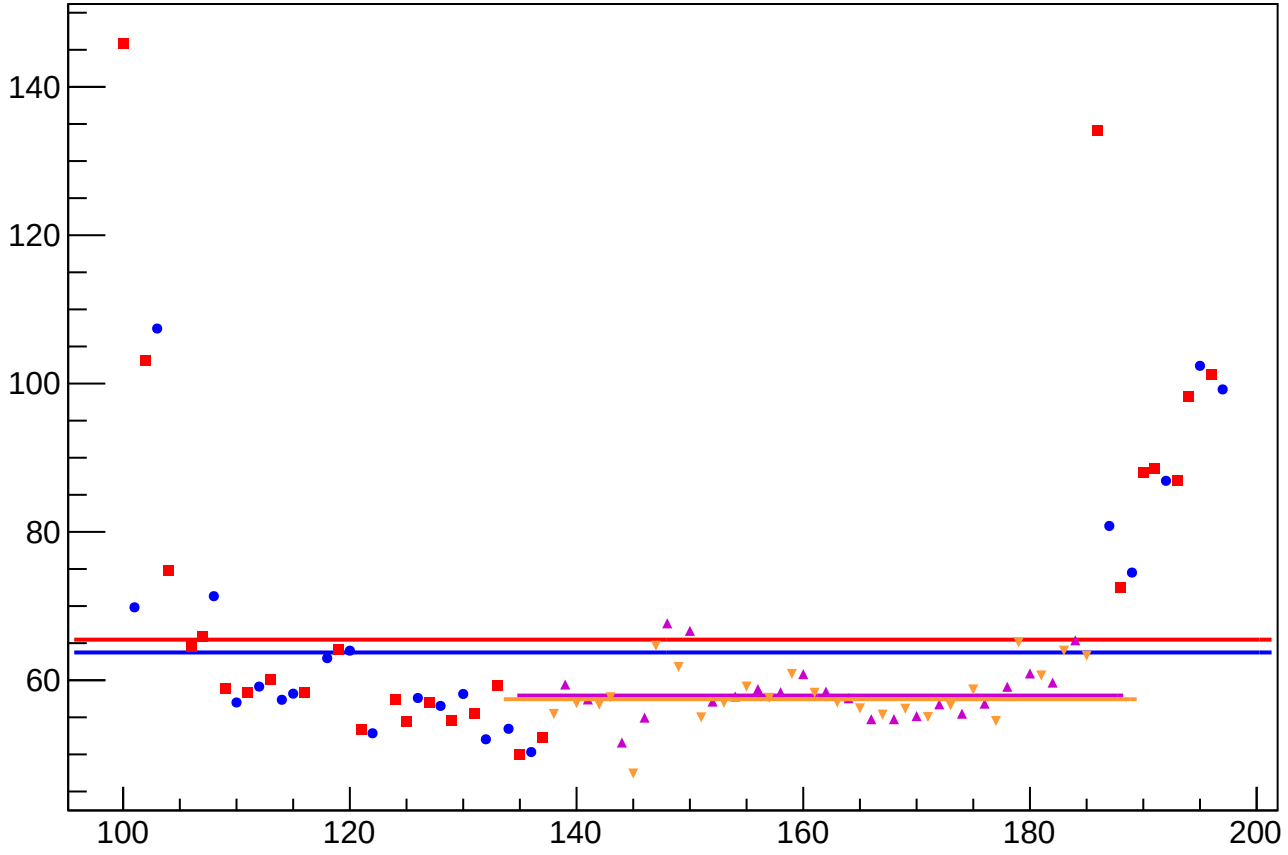
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -68.374+/-10.979 χ^2/NDF: 91.1/45

All: -7.204+/-7.827 χ^2/NDF: 223.6/94

- sign 56.019+/-11.161 χ^2/NDF: 69.3/48

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 63.744+/-0.014 χ^2/NDF: 1139004.6/20

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

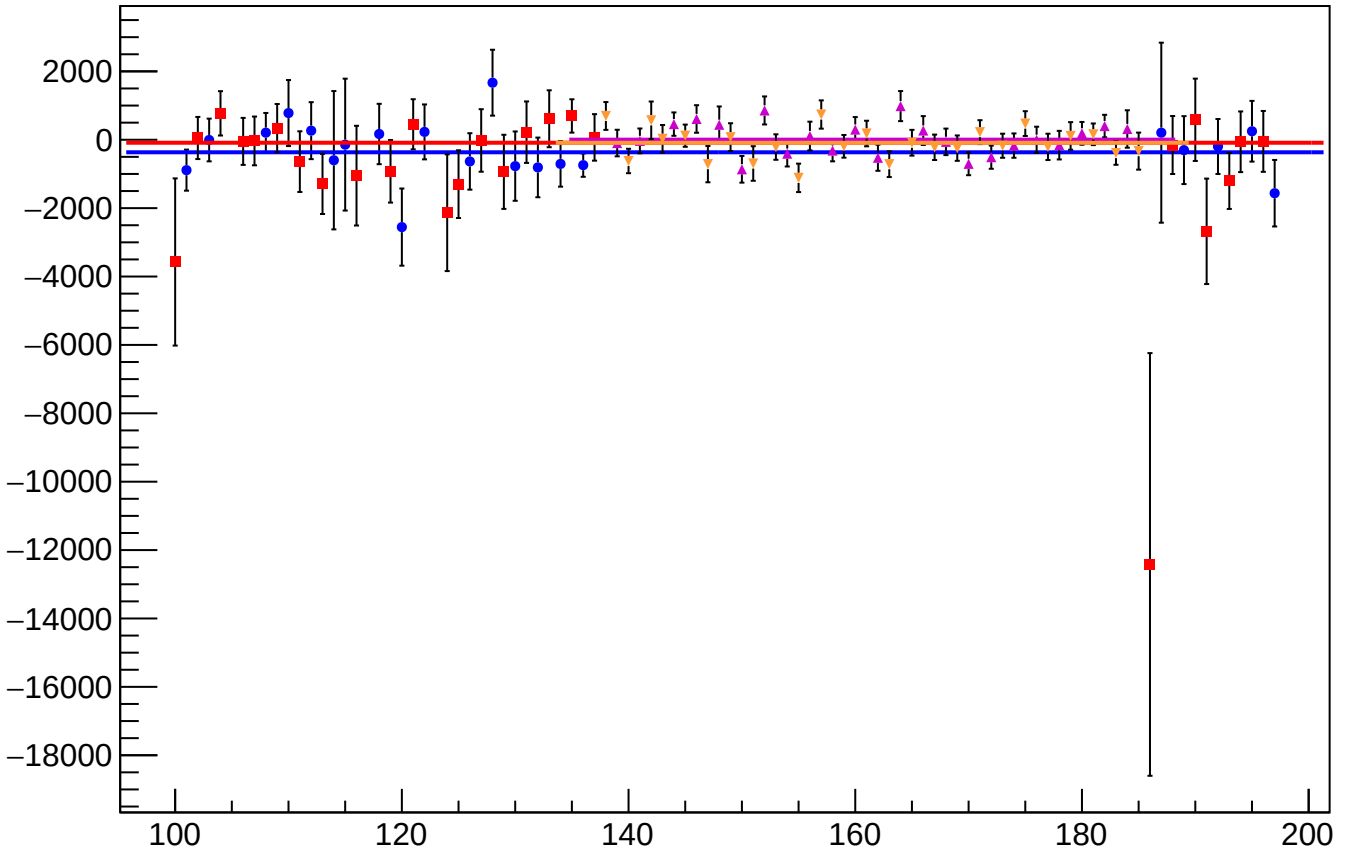
Right Out: 65.473+/-0.014 χ^2/NDF: 1364717.7/25

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 59.309+/-0.008 χ^2/NDF: 1451099.5/45

All: 59.830+/-0.006 χ^2/NDF: 3160483.1/94

\- sign 60.369+/-0.008 χ^2/NDF: 1700222.5/48



Right In: -366.529+/-167.388 χ^2/NDF: 17.3/20

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -87.345+/-165.783 χ^2/NDF: 24.3/25

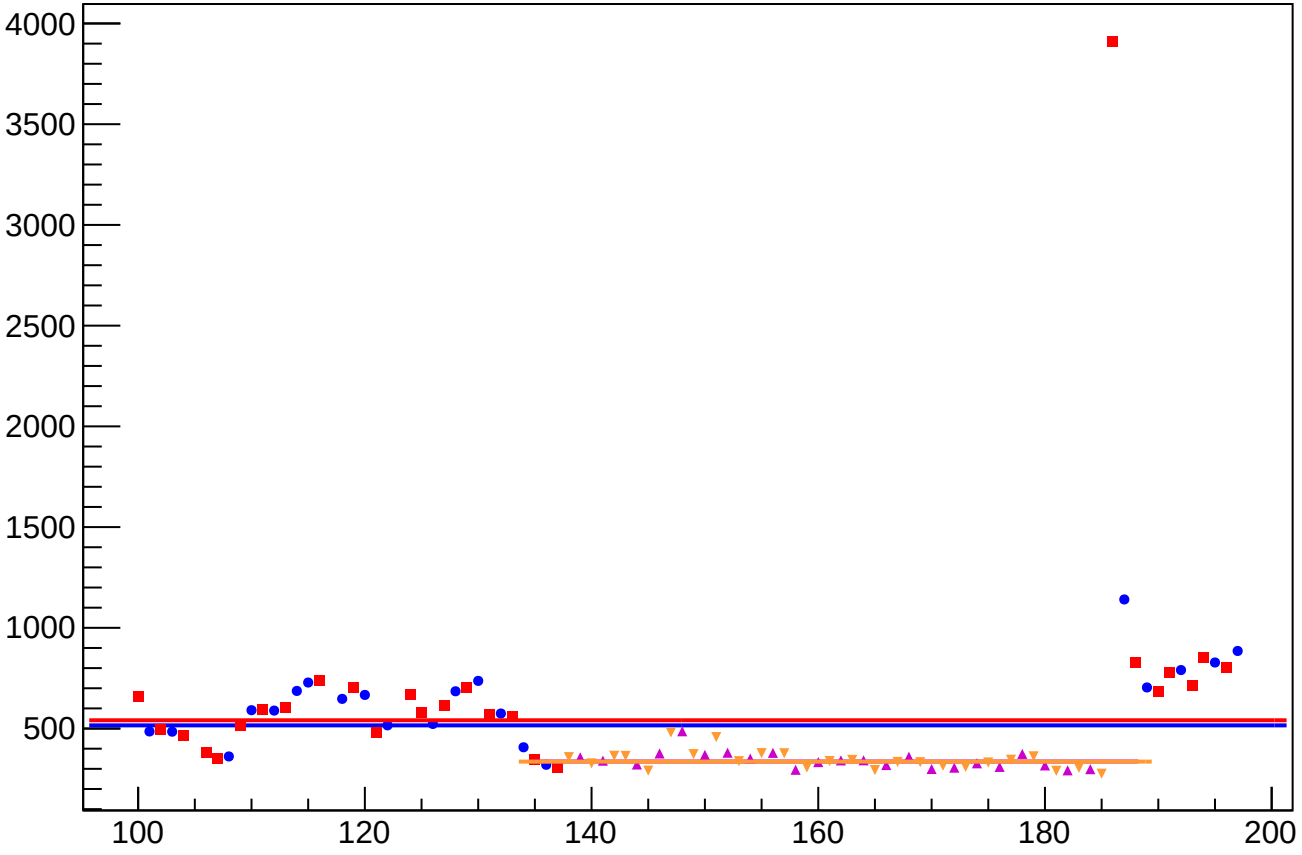
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -137.531+/-69.962 χ^2/NDF: 49.5/45

All: -76.950+/-49.991 χ^2/NDF: 109.2/94

- sign -13.748+/-71.459 χ^2/NDF: 58.1/48

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 515.746+/-0.118 χ^2/NDF: 2129282.1/20

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 541.014+/-0.117 χ^2/NDF: 2469099.1/25

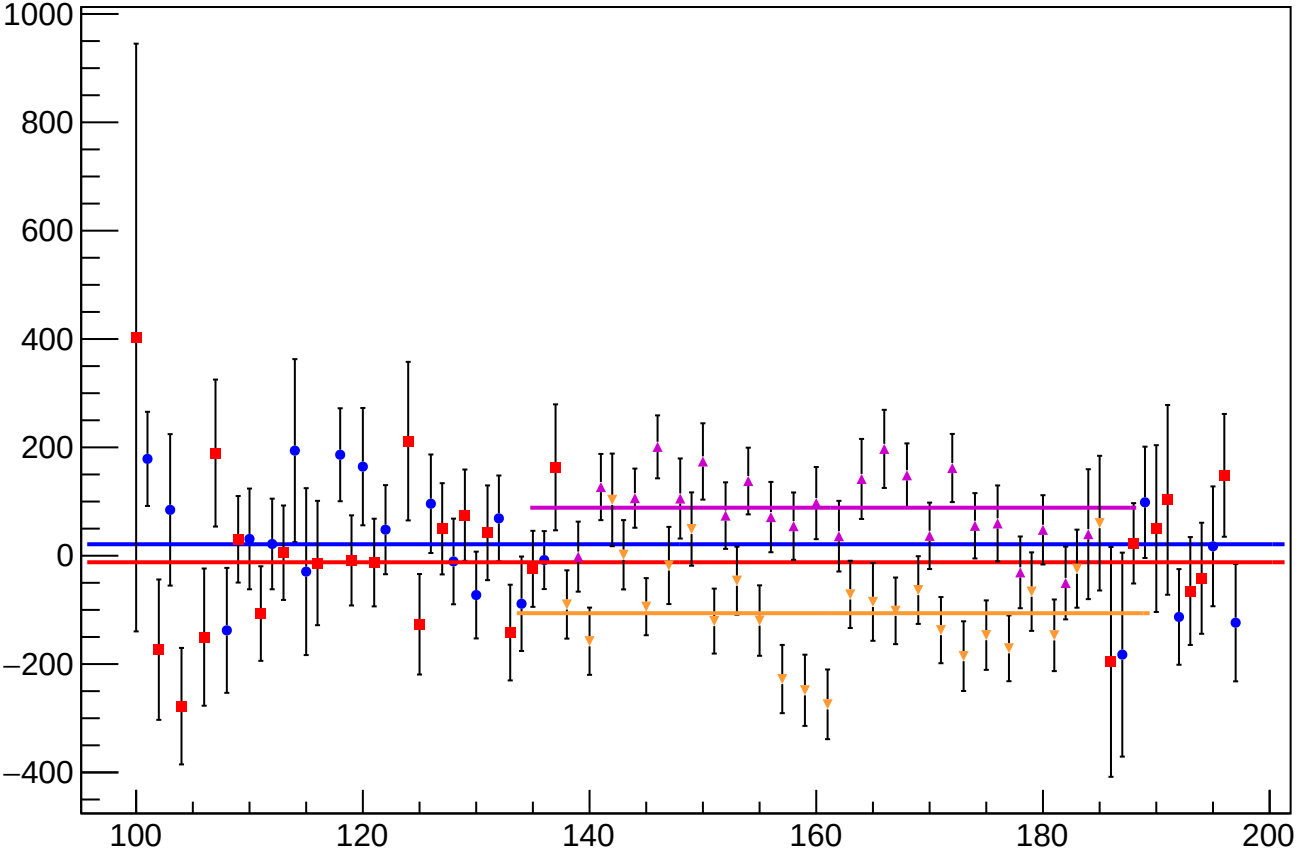
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 367.313+/-0.049 χ^2/NDF: 4568711.4/45

All: 370.767+/-0.035 χ^2/NDF: 9943950.0/94

- sign 374.370+/-0.051 χ^2/NDF: 5365280.6/48

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 21.154+/-20.164 χ^2/NDF: 22.4/20

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -12.062+/-19.639 χ^2/NDF: 27.4/25

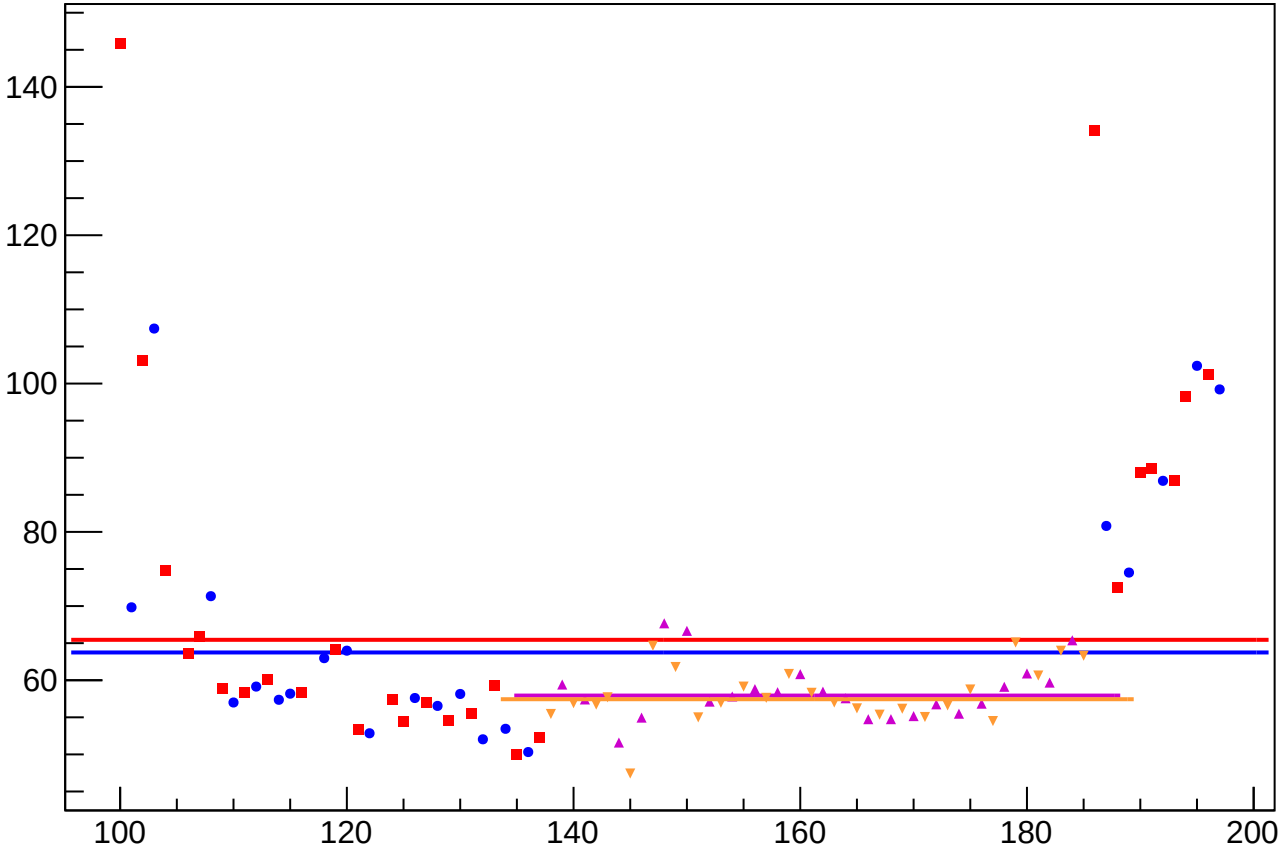
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -68.374+/-10.979 χ^2/NDF: 91.1/45

All: -7.168+/-7.827 χ^2/NDF: 223.4/94

\- sign 56.098+/-11.162 χ^2/NDF: 69.1/48

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 63.744+/-0.014 χ^2/NDF: 1139006.6/20

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

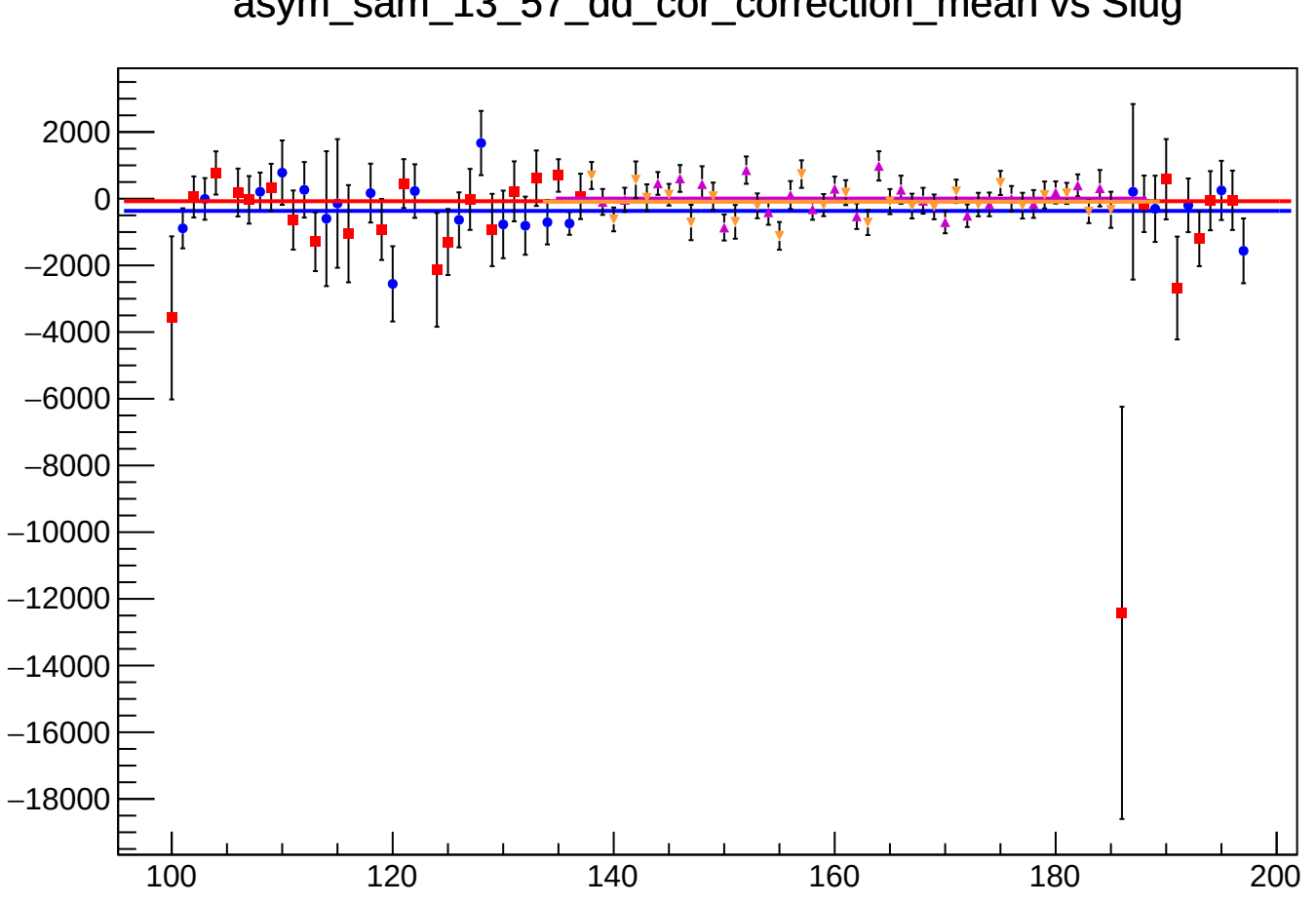
Right Out: 65.449+/-0.014 χ^2/NDF: 1365270.5/25

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 59.309+/-0.008 χ^2/NDF: 1451101.5/45

All: 59.826+/-0.006 χ^2/NDF: 3159630.7/94

\- sign 60.361+/-0.008 χ^2/NDF: 1699506.1/48



Right In: -366.498+/-167.388 χ^2/NDF: 17.3/20

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -75.083+/-166.202 χ^2/NDF: 24.4/25

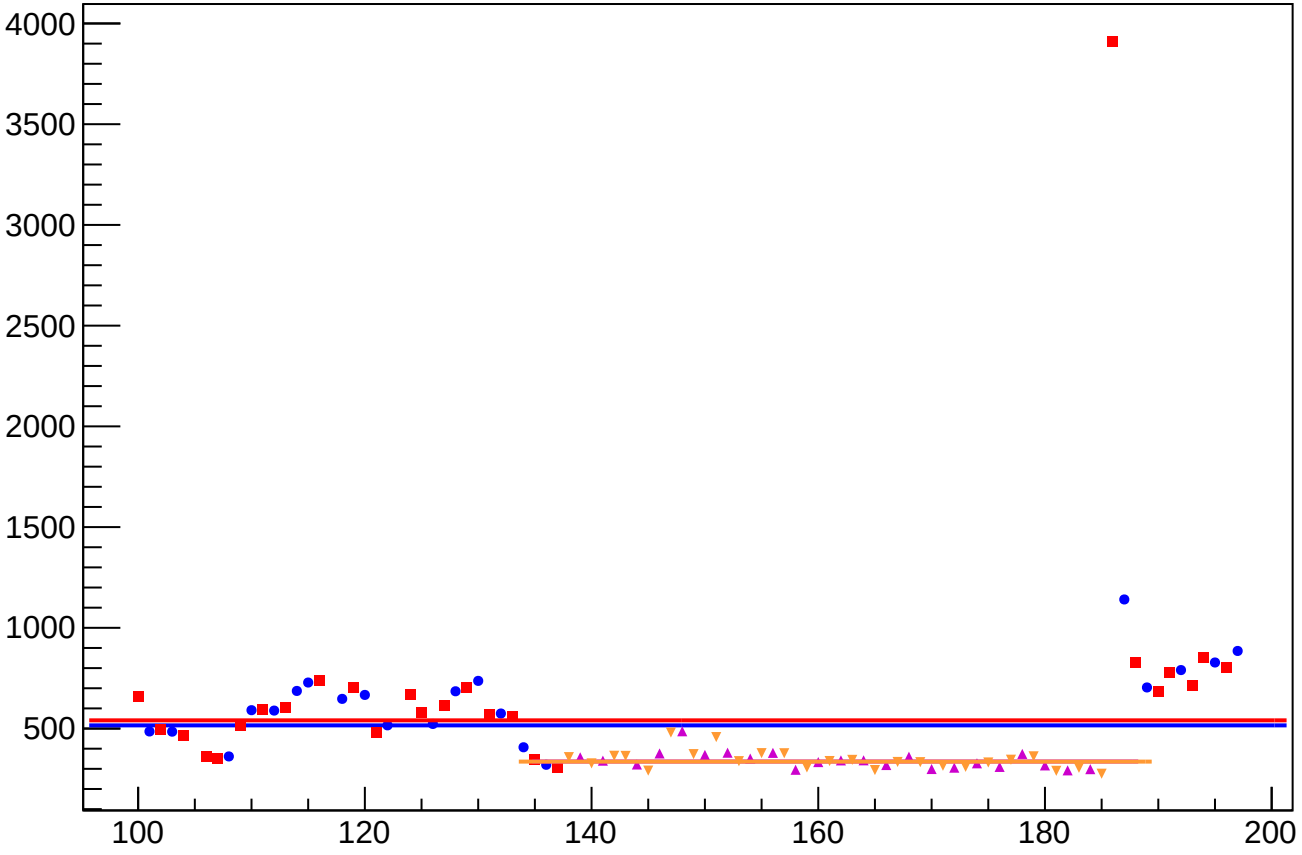
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -137.527+/-69.962 χ^2/NDF: 49.5/45

All: -75.832+/-50.003 χ^2/NDF: 109.3/94

- sign -11.409+/-71.492 χ^2/NDF: 58.2/48

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 515.749+/-0.118 χ^2/NDF: 2129266.5/20

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 540.718+/-0.118 χ^2/NDF: 2487370.5/25

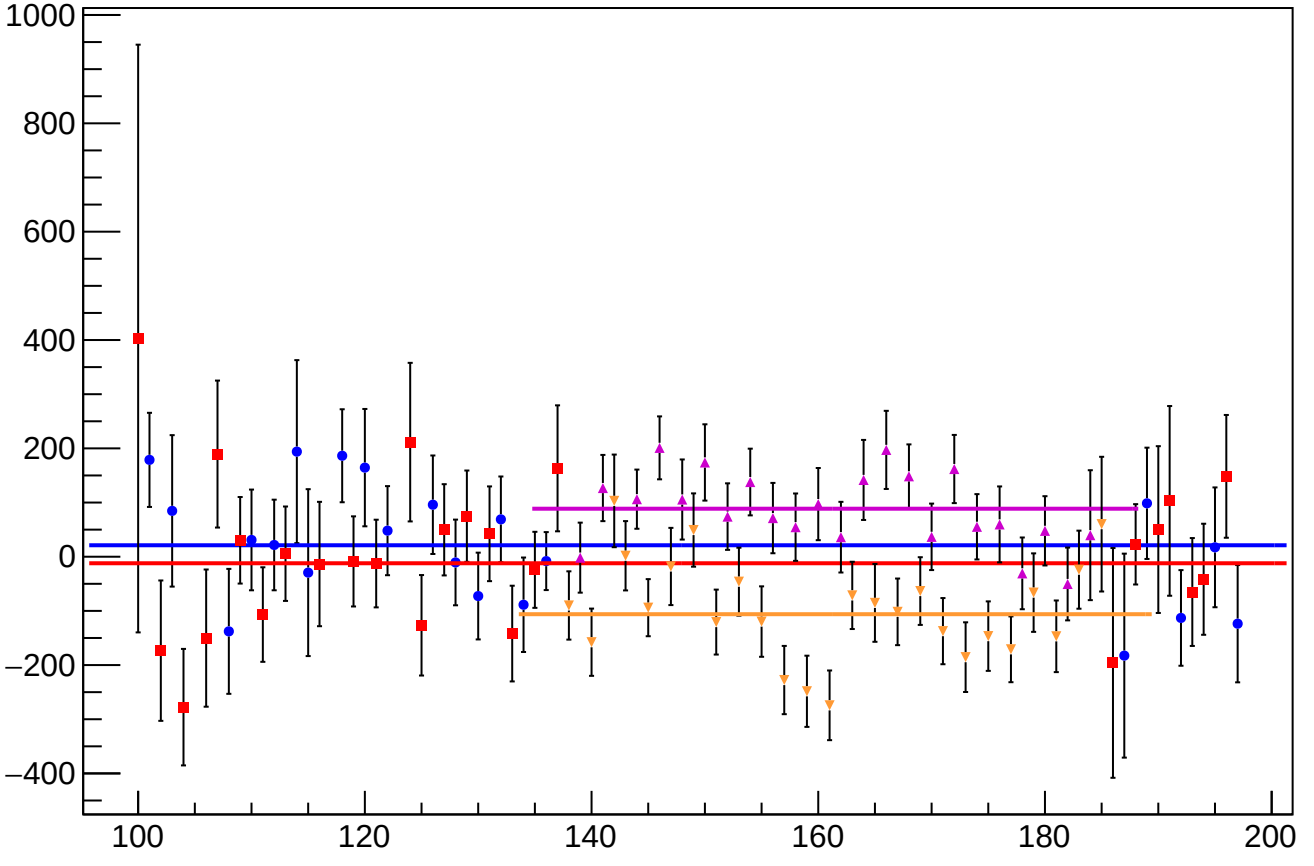
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 367.313+/-0.049 χ^2/NDF: 4568738.1/45

All: 370.662+/-0.035 χ^2/NDF: 9944322.9/94

- sign 374.159+/-0.051 χ^2/NDF: 5366218.6/48

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 21.154+/-20.164 χ^2/NDF: 22.4/20

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -12.062+/-19.639 χ^2/NDF: 27.4/25

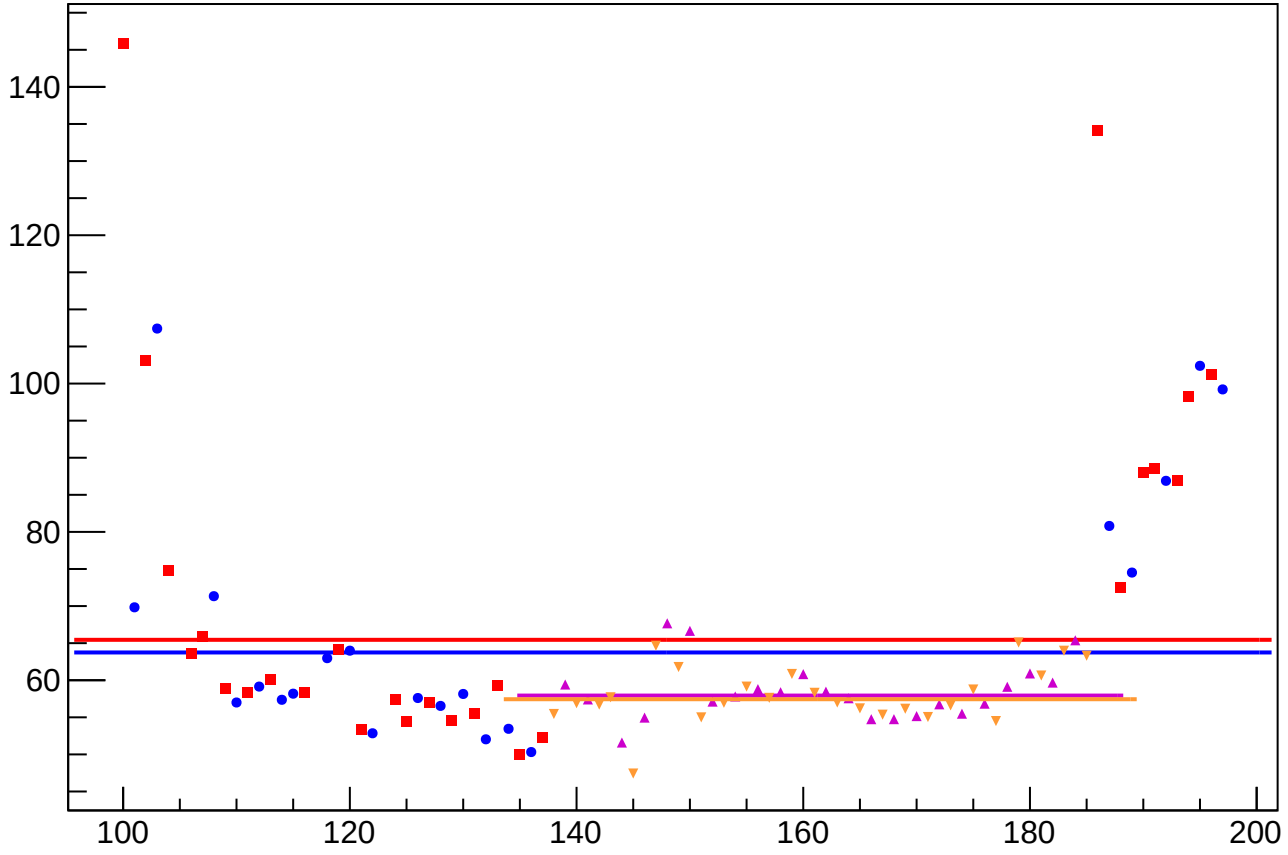
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -68.374+/-10.979 χ^2/NDF: 91.1/45

All: -7.168+/-7.827 χ^2/NDF: 223.4/94

- sign 56.098+/-11.162 χ^2/NDF: 69.1/48

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 63.744+/-0.014 χ^2/NDF: 1139006.6/20

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

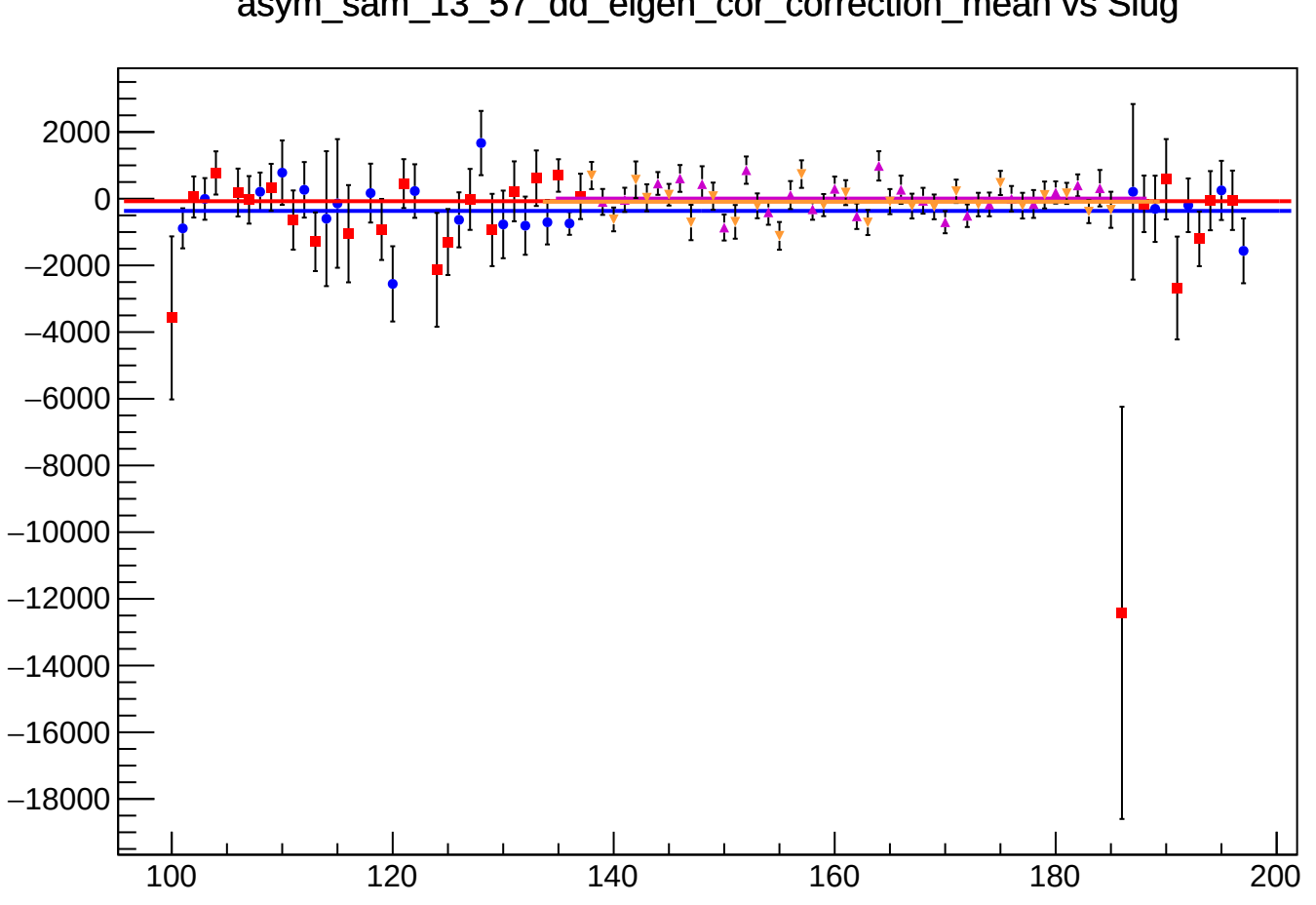
Right Out: 65.449+/-0.014 χ^2/NDF: 1365270.5/25

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 59.309+/-0.008 χ^2/NDF: 1451101.5/45

All: 59.826+/-0.006 χ^2/NDF: 3159630.7/94

- sign 60.361+/-0.008 χ^2/NDF: 1699506.1/48



Right In: -366.498+/-167.388 χ^2/NDF: 17.3/20

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -75.083+/-166.202 χ^2/NDF: 24.4/25

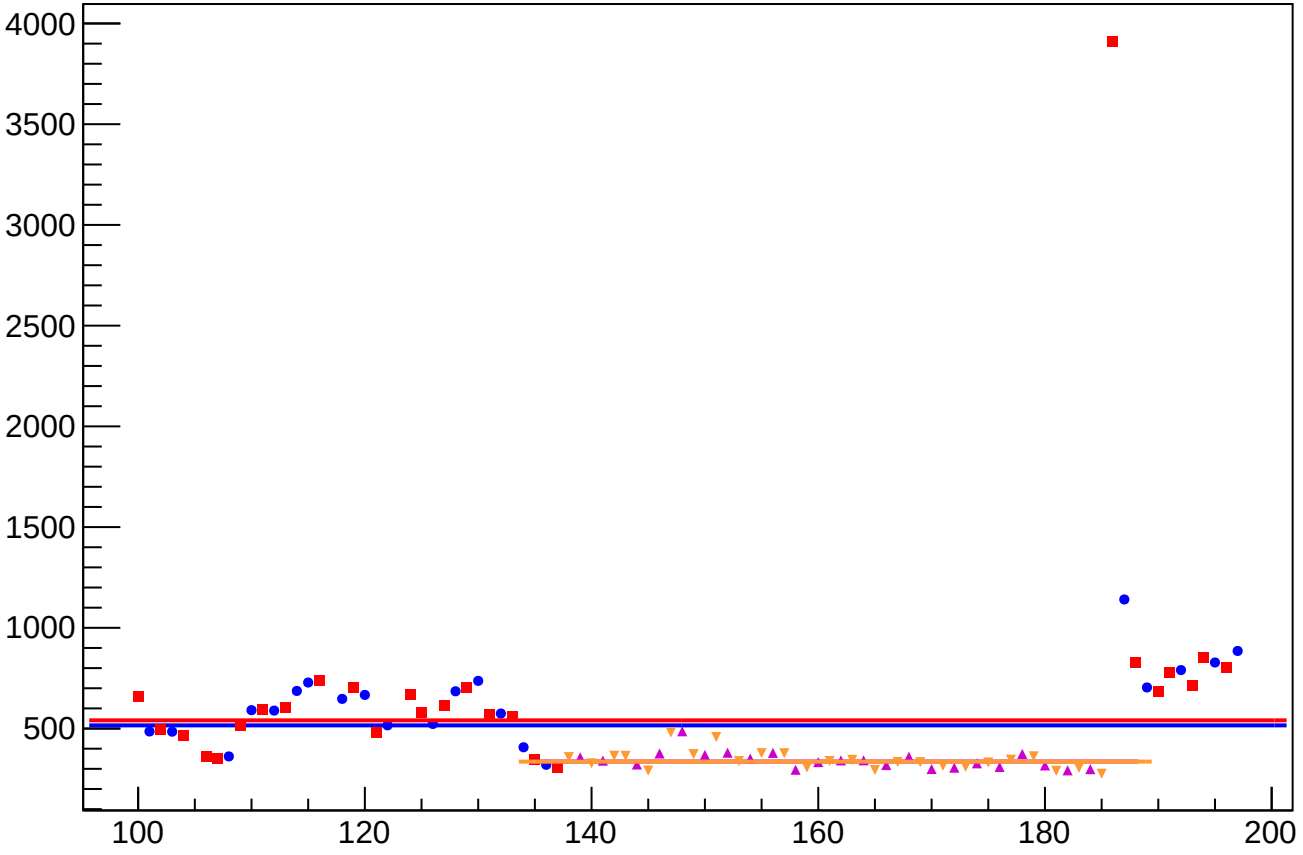
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -137.527+/-69.962 χ^2/NDF: 49.5/45

All: -75.832+/-50.003 χ^2/NDF: 109.3/94

- sign -11.409+/-71.492 χ^2/NDF: 58.2/48

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 515.749+/-0.118 χ^2/NDF: 2129266.5/20

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 540.718+/-0.118 χ^2/NDF: 2487370.5/25

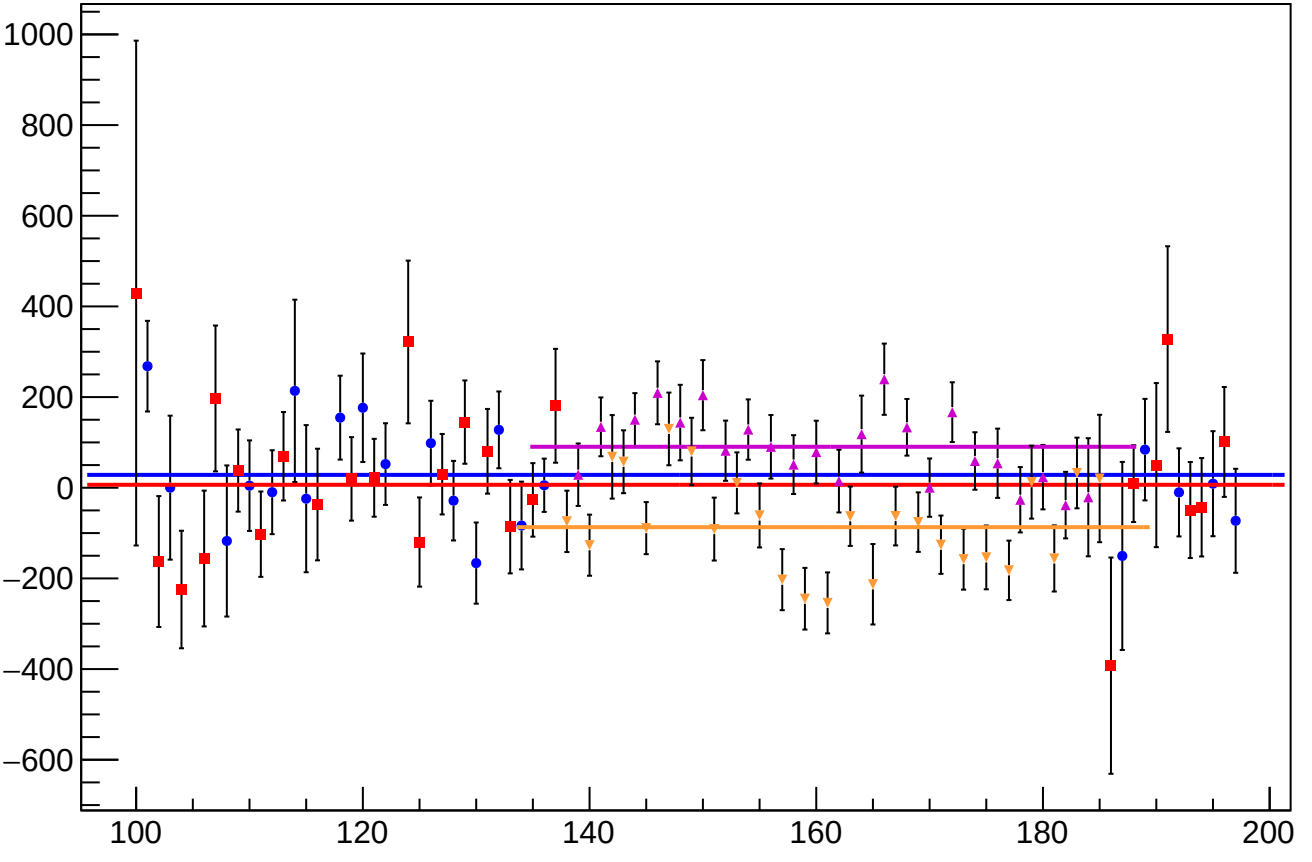
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 367.313+/-0.049 χ^2/NDF: 4568738.1/45

All: 370.662+/-0.035 χ^2/NDF: 9944322.9/94

- sign 374.159+/-0.051 χ^2/NDF: 5366218.6/48

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 28.398+/-22.199 χ^2/NDF: 21.7/20

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

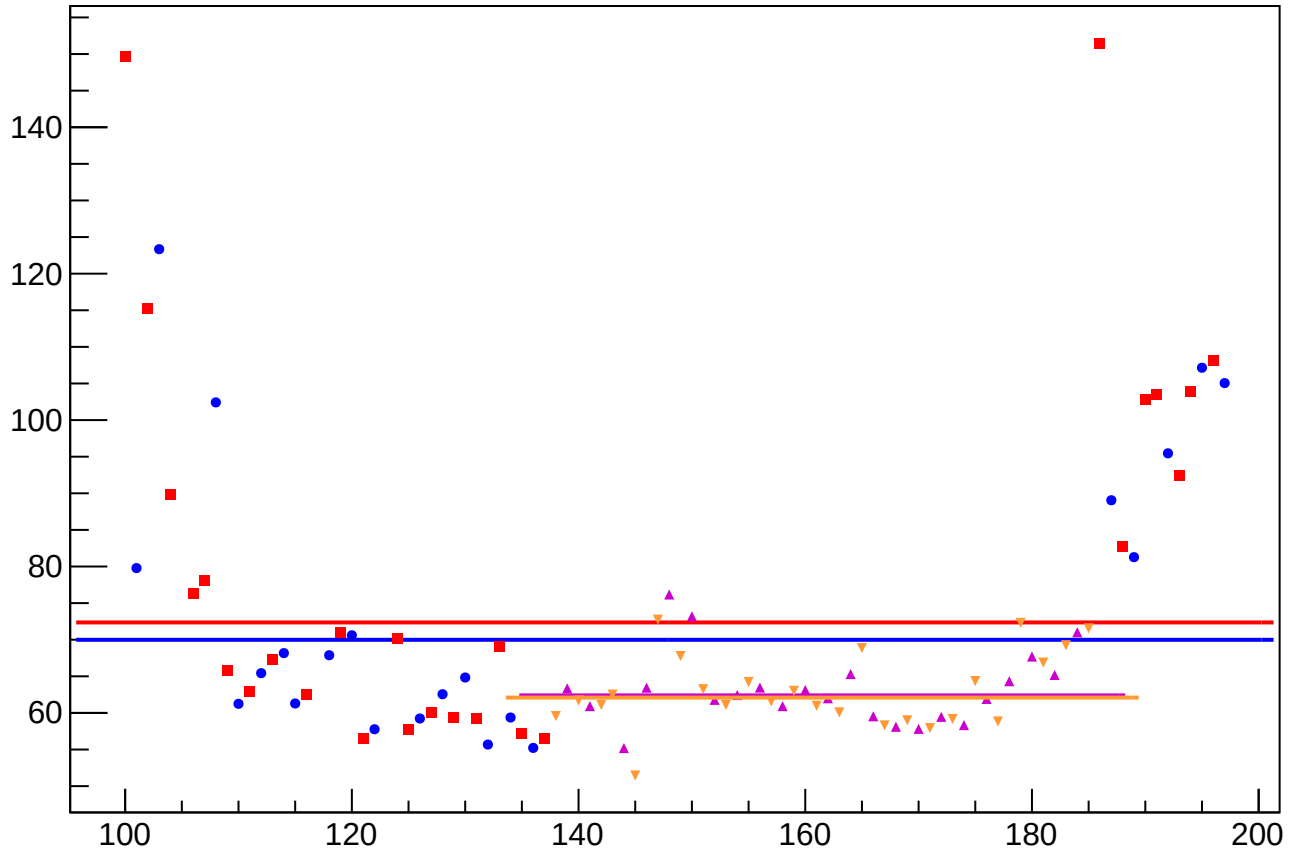
Right Out: 6.496+/-21.768 χ^2/NDF: 26.8/25

Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -53.546+/-11.947 χ^2/NDF: 89.7/45

All: 4.299+/-8.521 χ^2/NDF: 199.4/94

- sign 64.203+/-12.158 χ^2/NDF: 62.0/48



Right In: 69.989+/-0.016 χ^2/NDF: 1206719.6/20

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

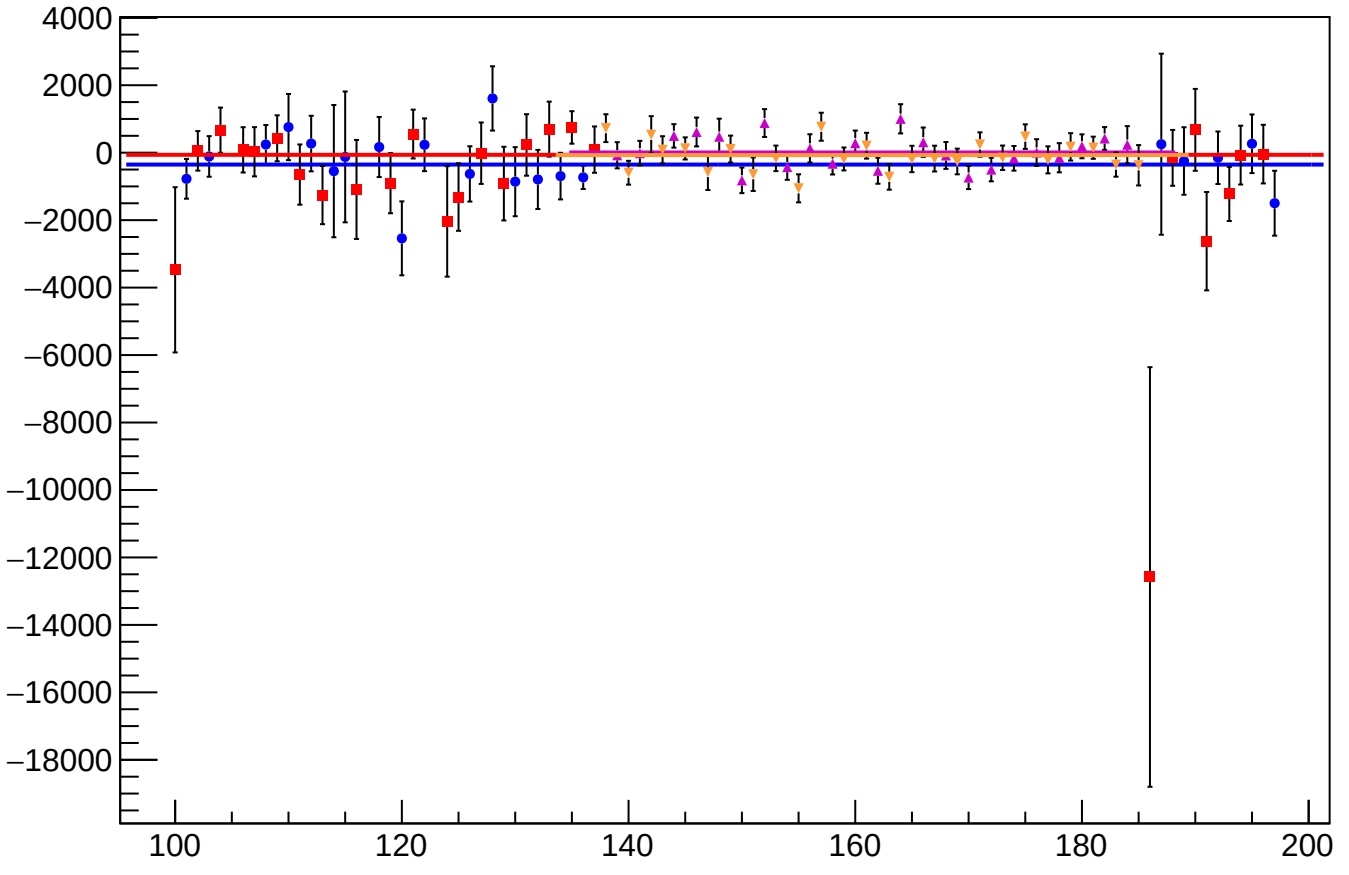
Right Out: 72.361+/-0.015 χ^2/NDF: 1408949.4/25

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 64.380+/-0.008 χ^2/NDF: 1619823.2/45

All: 64.932+/-0.006 χ^2/NDF: 3514694.2/94

- sign 65.504+/-0.009 χ^2/NDF: 1886182.9/48



Right In: -352.323+/-166.807 χ^2/NDF: 16.8/20

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -63.301+/-164.035 χ^2/NDF: 25.3/25

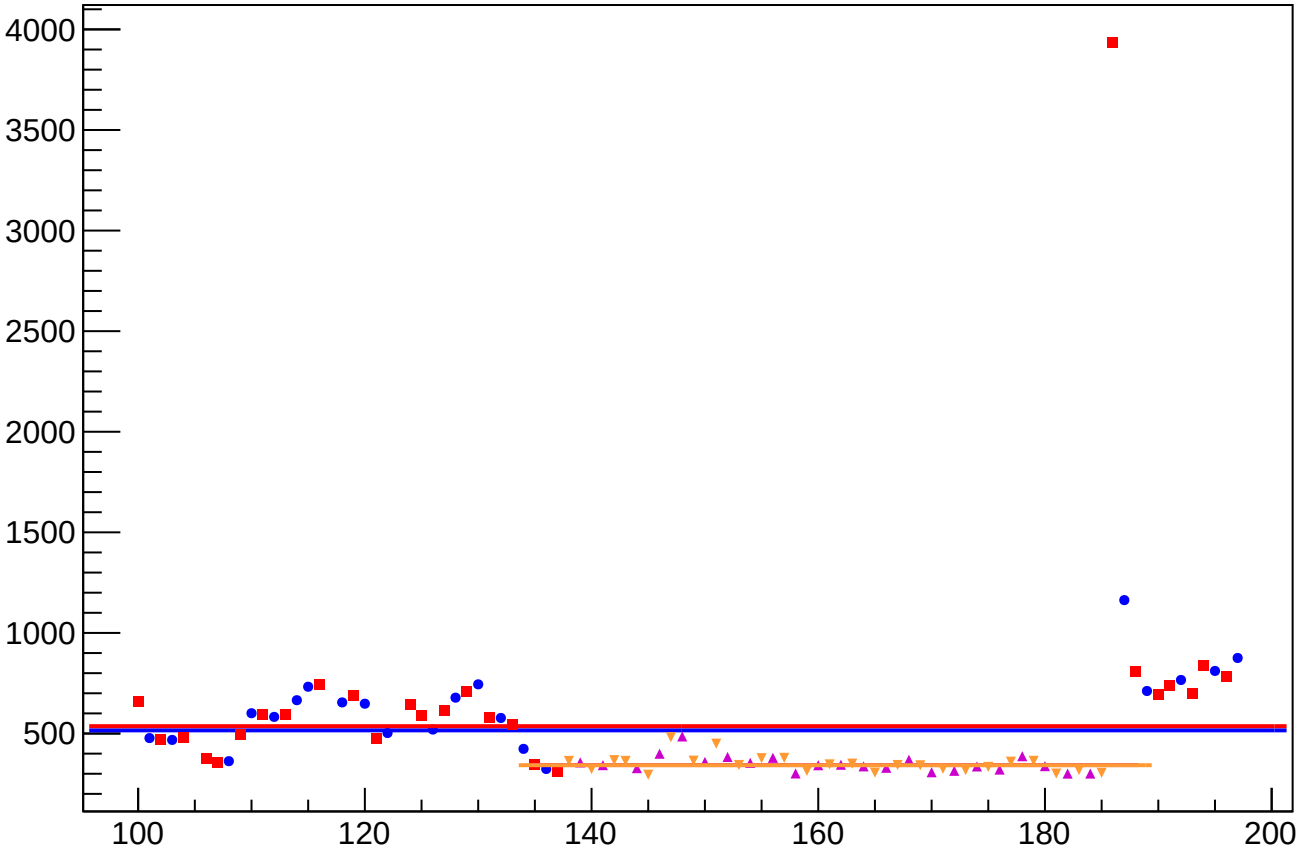
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -122.166+/-70.953 χ^2/NDF: 47.7/45

All: -65.991+/-50.694 χ^2/NDF: 108.5/94

- sign -7.413+/-72.455 χ^2/NDF: 59.4/48

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 515.728+/-0.118 χ^2/NDF: 2038133.0/20

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 536.458+/-0.116 χ^2/NDF: 2404100.5/25

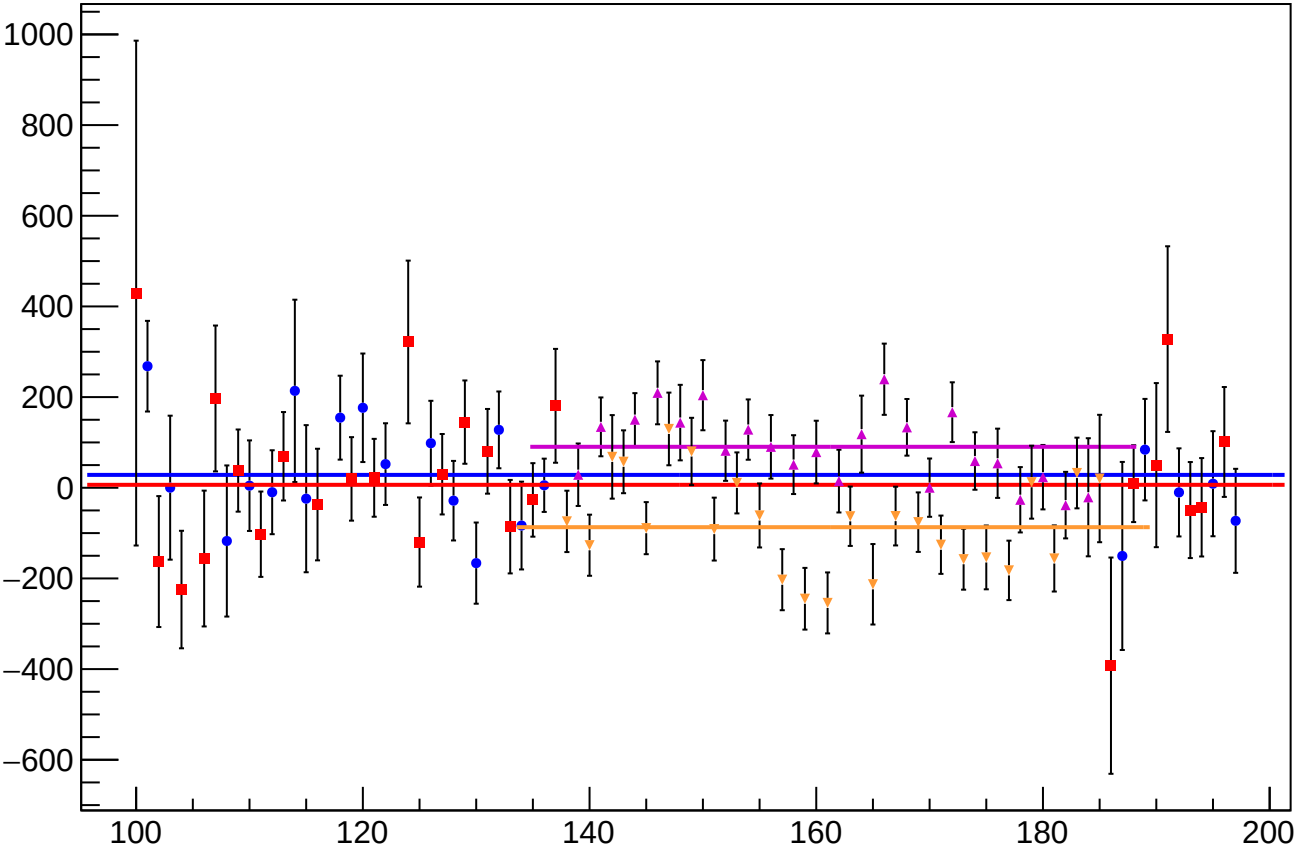
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 373.844+/-0.050 χ^2/NDF: 4238967.2/45

All: 377.318+/-0.036 χ^2/NDF: 9259285.1/94

- sign 380.941+/-0.051 χ^2/NDF: 5010523.9/48

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 28.399+/-22.199 χ^2/NDF: 21.7/20

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 6.497+/-21.768 χ^2/NDF: 26.8/25

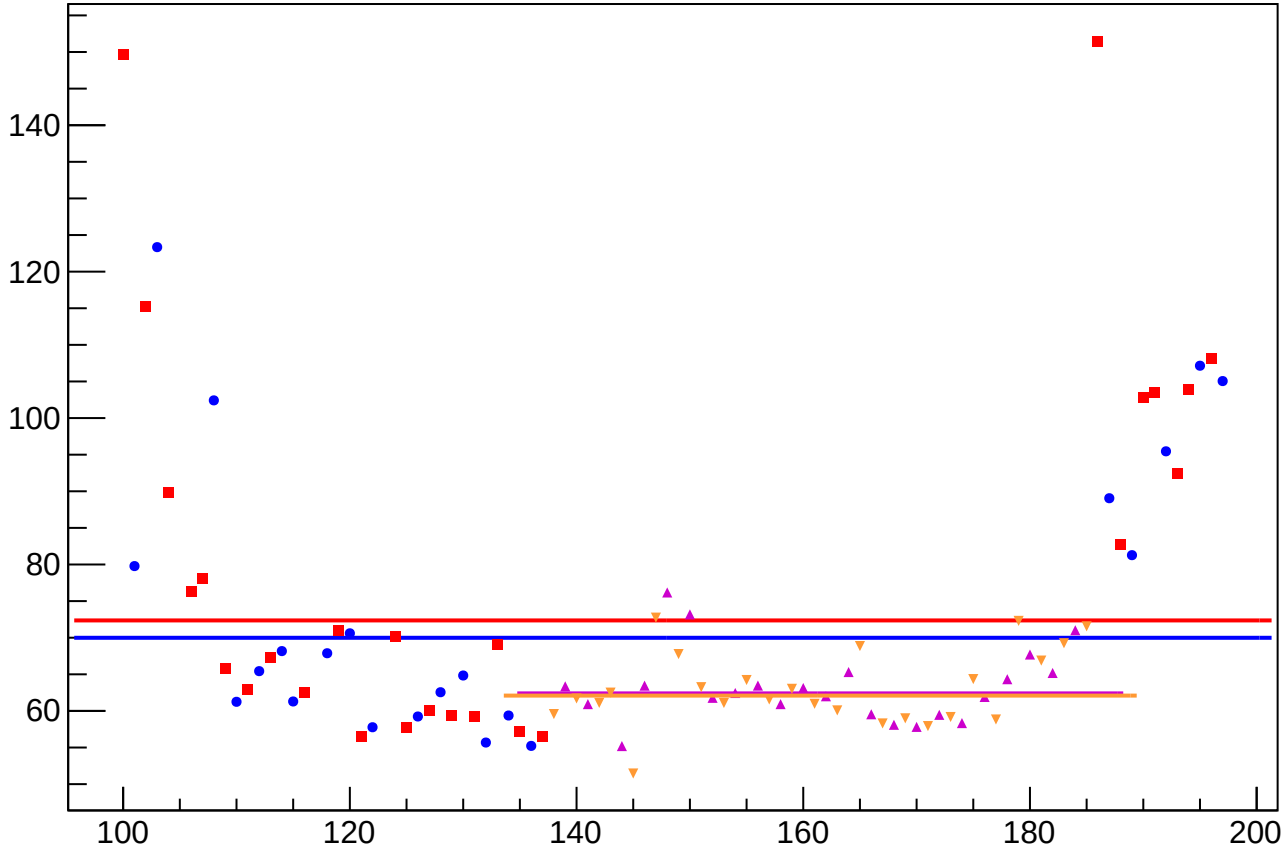
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -53.546+/-11.947 χ^2/NDF: 89.7/45

All: 4.299+/-8.521 χ^2/NDF: 199.4/94

- sign 64.203+/-12.158 χ^2/NDF: 62.0/48

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 69.989+/-0.016 χ^2/NDF: 1206740.4/20

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

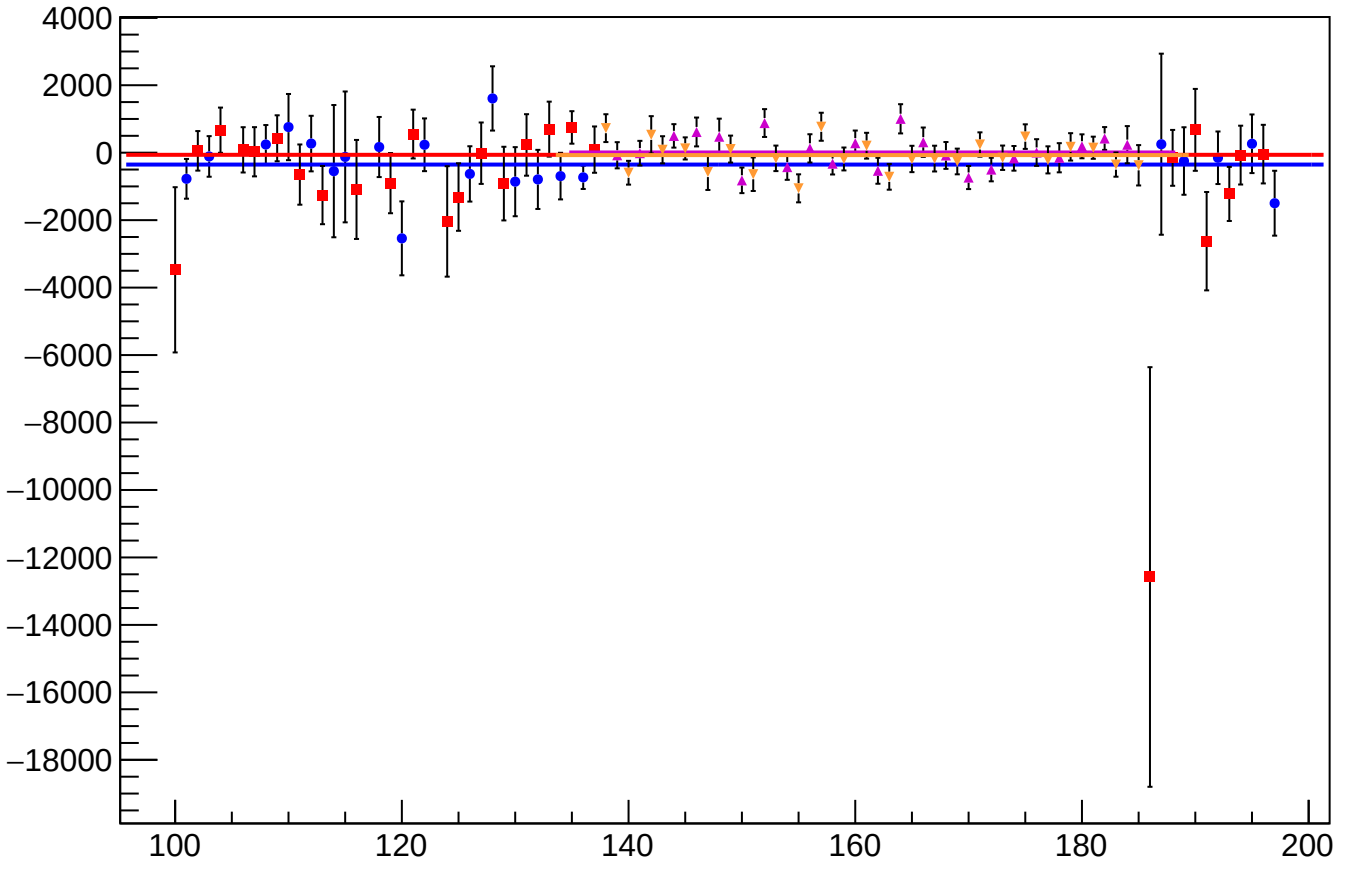
Right Out: 72.361+/-0.015 χ^2/NDF: 1408951.7/25

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 64.380+/-0.008 χ^2/NDF: 1619844.6/45

All: 64.932+/-0.006 χ^2/NDF: 3514716.0/94

- sign 65.504+/-0.009 χ^2/NDF: 1886182.9/48



Right In: -352.323+/-166.807 χ^2/NDF: 16.8/20

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

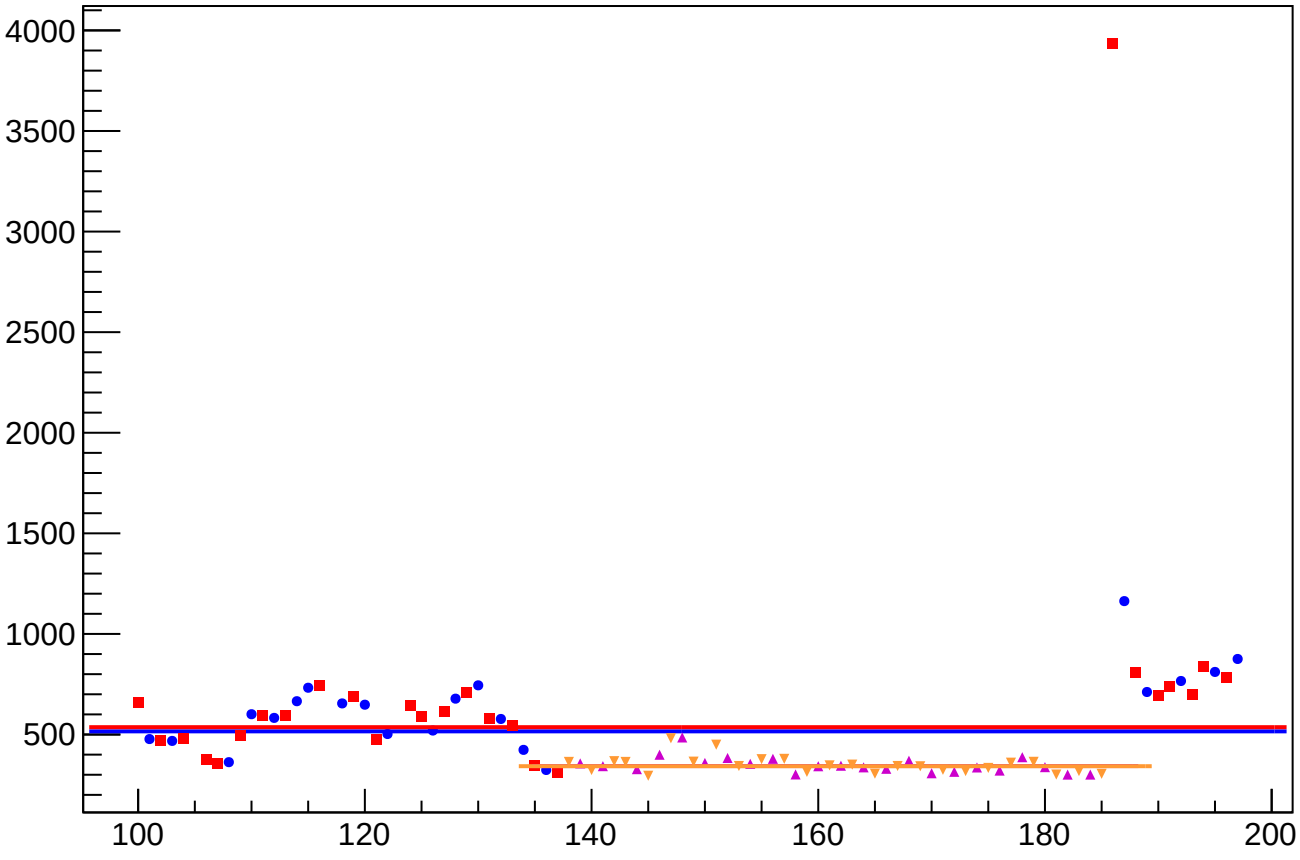
Right Out: -63.300+/-164.035 χ^2/NDF: 25.3/25

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -122.166+/-70.953 χ^2/NDF: 47.7/45

All: -65.990+/-50.694 χ^2/NDF: 108.5/94

- sign -7.412+/-72.455 χ^2/NDF: 59.4/48



Right In: 515.727+/-0.118 χ^2/NDF: 2038134.2/20

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 536.457+/-0.116 χ^2/NDF: 2404102.8/25

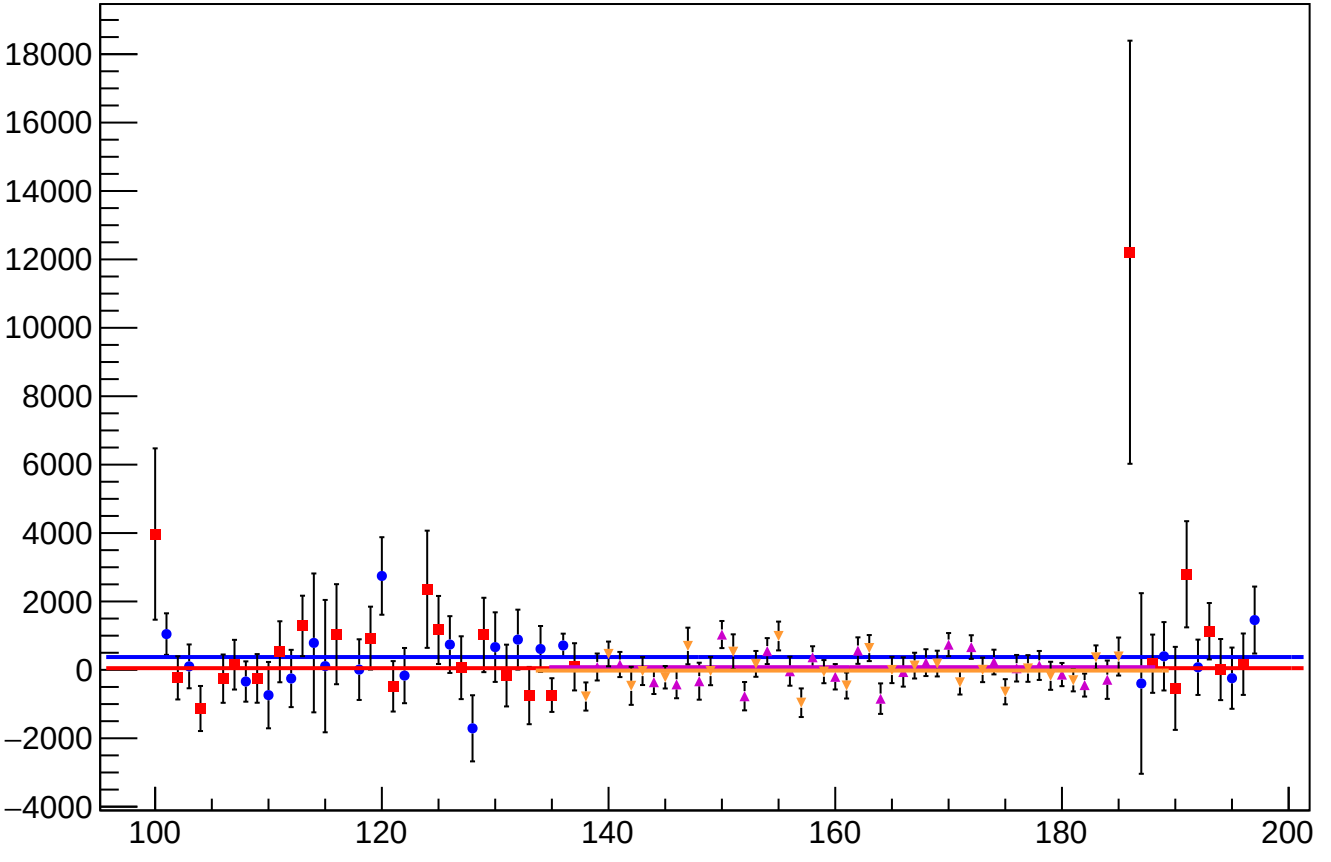
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 373.844+/-0.050 χ^2/NDF: 4238960.8/45

All: 377.318+/-0.036 χ^2/NDF: 9259266.7/94

- sign 380.941+/-0.051 χ^2/NDF: 5010511.7/48

asym_sam_13_57_dd_mean vs Slug



Right In: 374.797+/-169.180 χ^2/NDF: 18.1/20

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 49.694+/-167.603 χ^2/NDF: 26.8/25

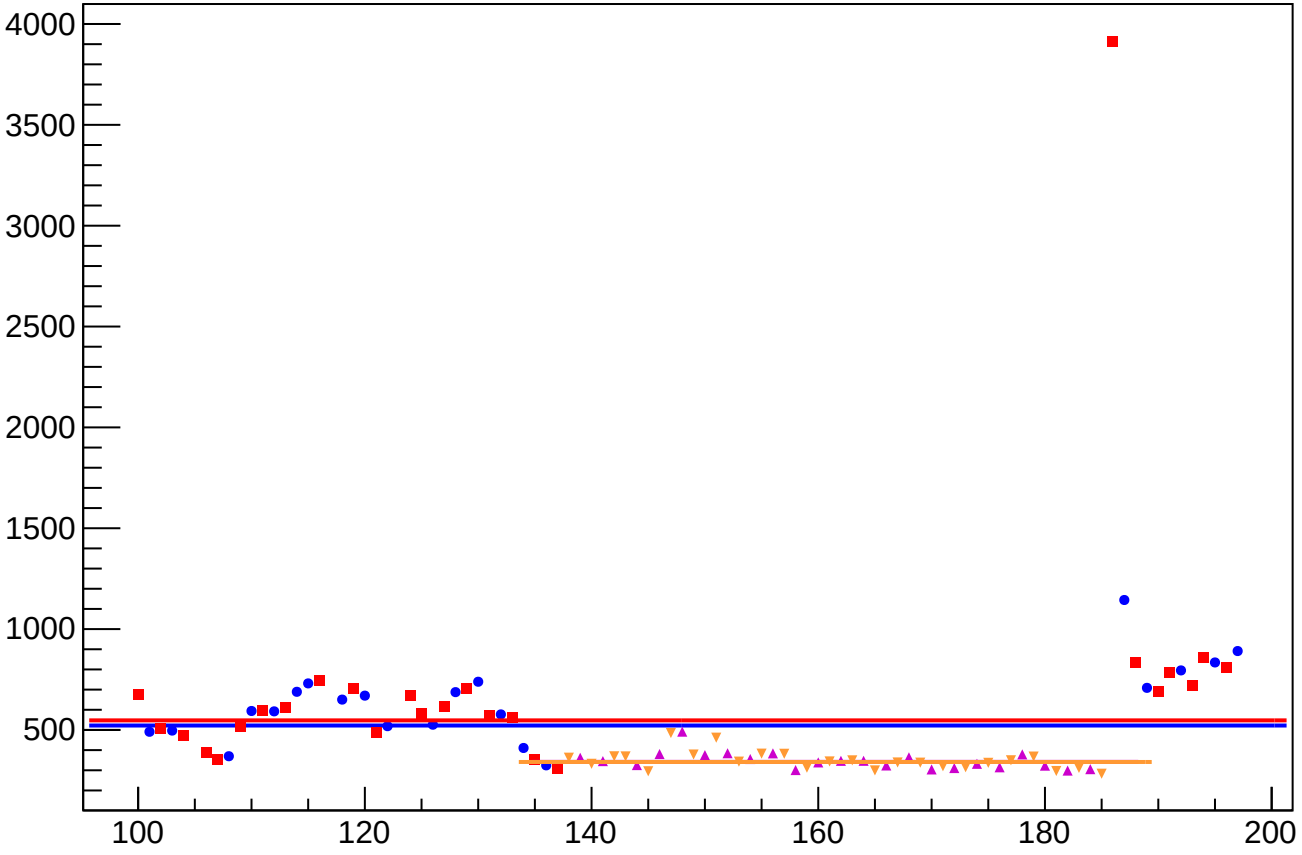
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 49.271+/-70.981 χ^2/NDF: 54.0/45

All: 61.026+/-50.719 χ^2/NDF: 113.8/94

- sign 73.288+/-72.498 χ^2/NDF: 59.7/48

asym_sam_13_57_dd_rms vs Slug



Right In: 521.949+/-0.120 χ^2/NDF: 2082053.3/20

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

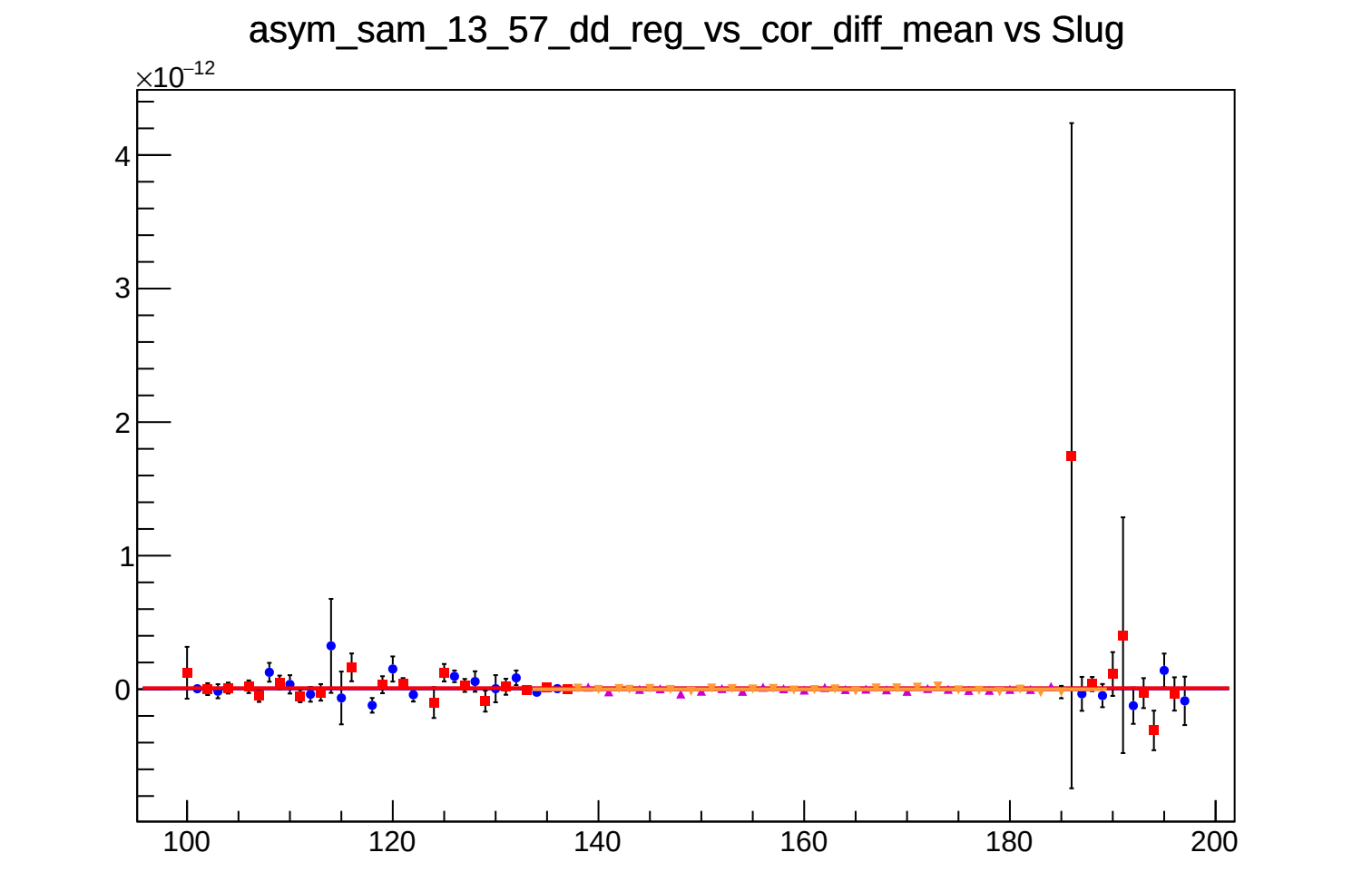
Right Out: 547.470+/-0.119 χ^2/NDF: 2420910.7/25

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 373.016+/-0.050 χ^2/NDF: 4473943.5/45

All: 376.502+/-0.036 χ^2/NDF: 9753995.5/94

- sign 380.138+/-0.051 χ^2/NDF: 5270198.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

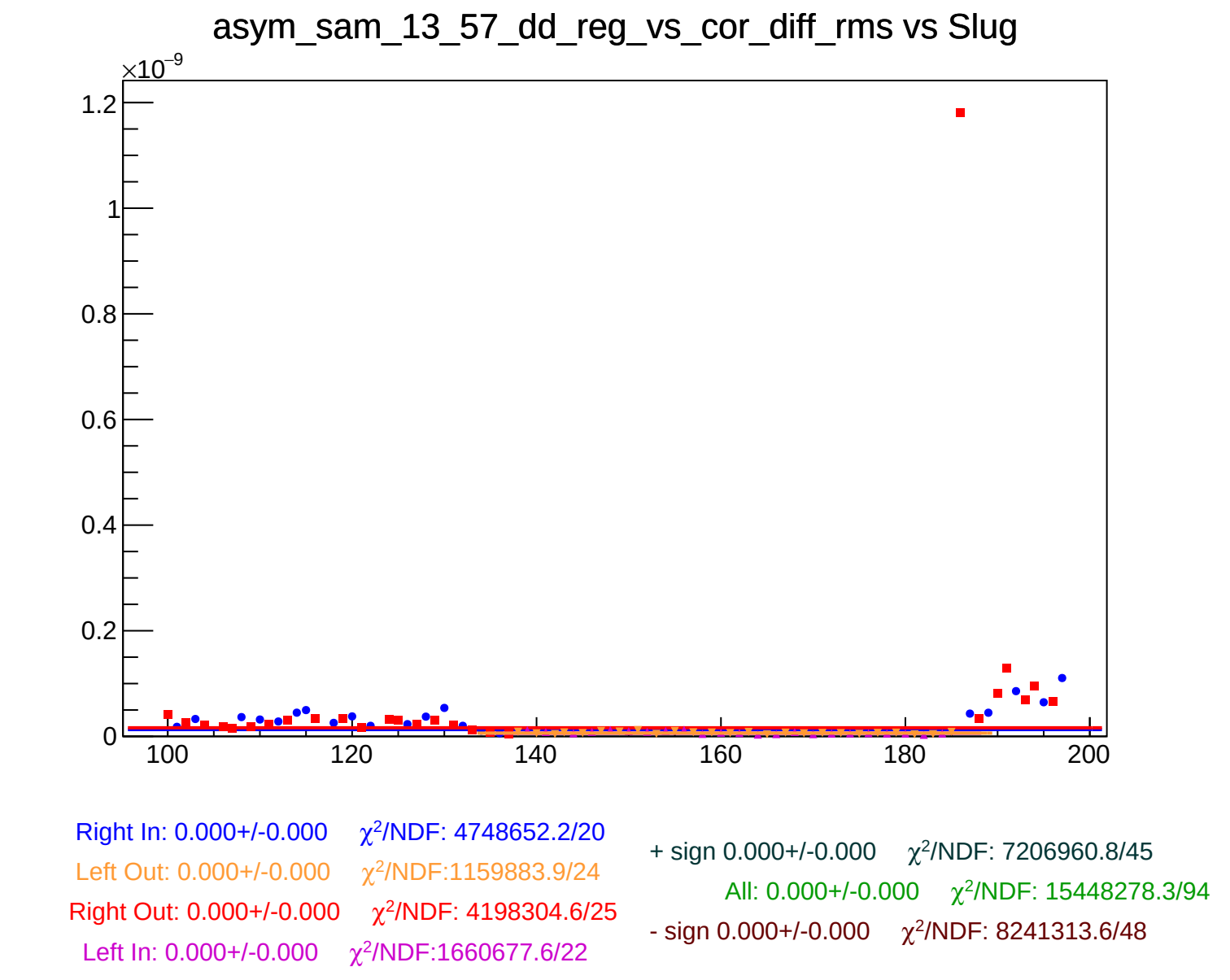
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/25

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

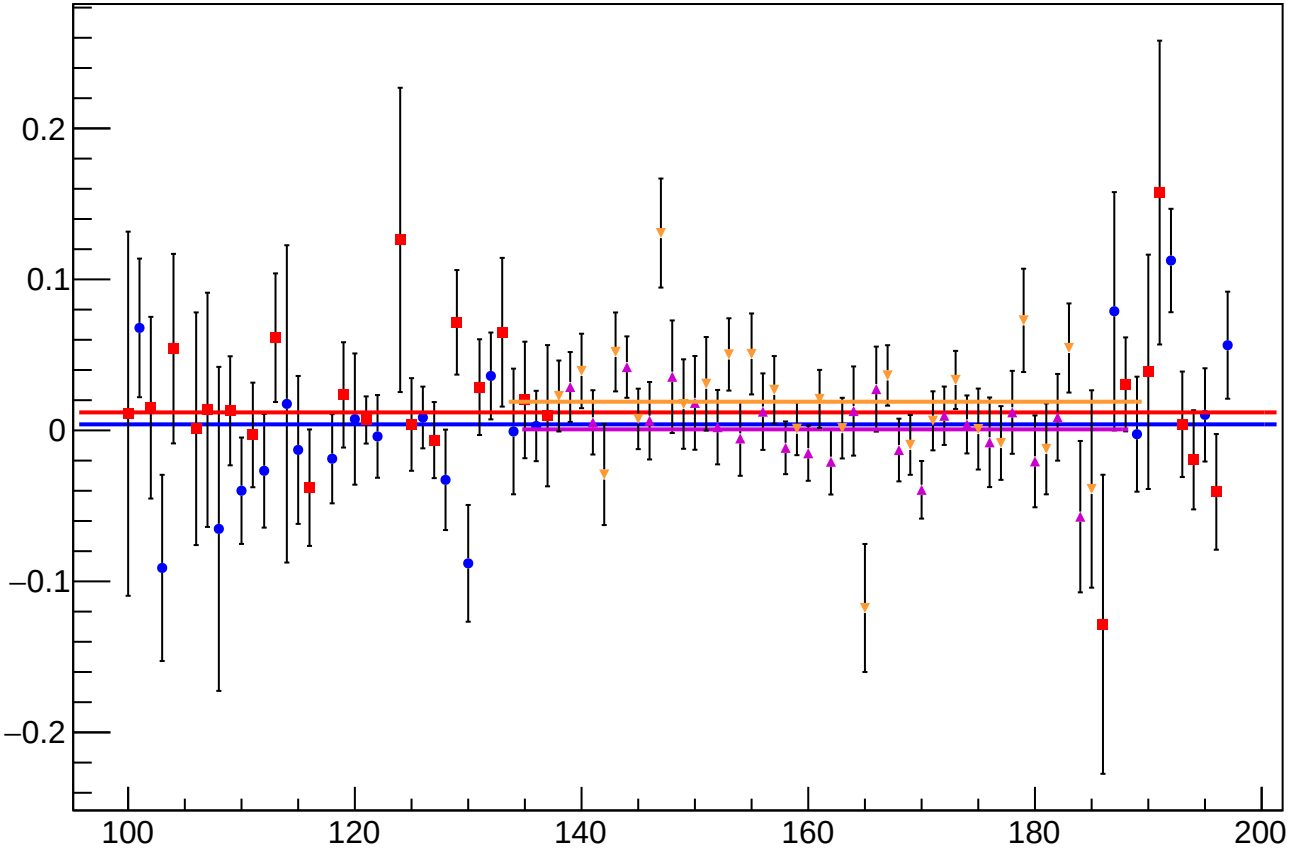
+ sign -0.000+/-0.000 χ^2/NDF: 43.5/45

All: -0.000+/-0.000 χ^2/NDF: 79.5/94

- sign -0.000+/-0.000 χ^2/NDF: 35.8/48


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4748652.2/20
Left Out: 0.000+/-0.000 χ²/NDF:1159883.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4198304.6/25
Left In: 0.000+/-0.000 χ²/NDF:1660677.6/22
+ sign 0.000+/-0.000 χ²/NDF: 7206960.8/45
All: 0.000+/-0.000 χ²/NDF: 15448278.3/94
- sign 0.000+/-0.000 χ²/NDF: 8241313.6/48

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 29.2/20

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/25

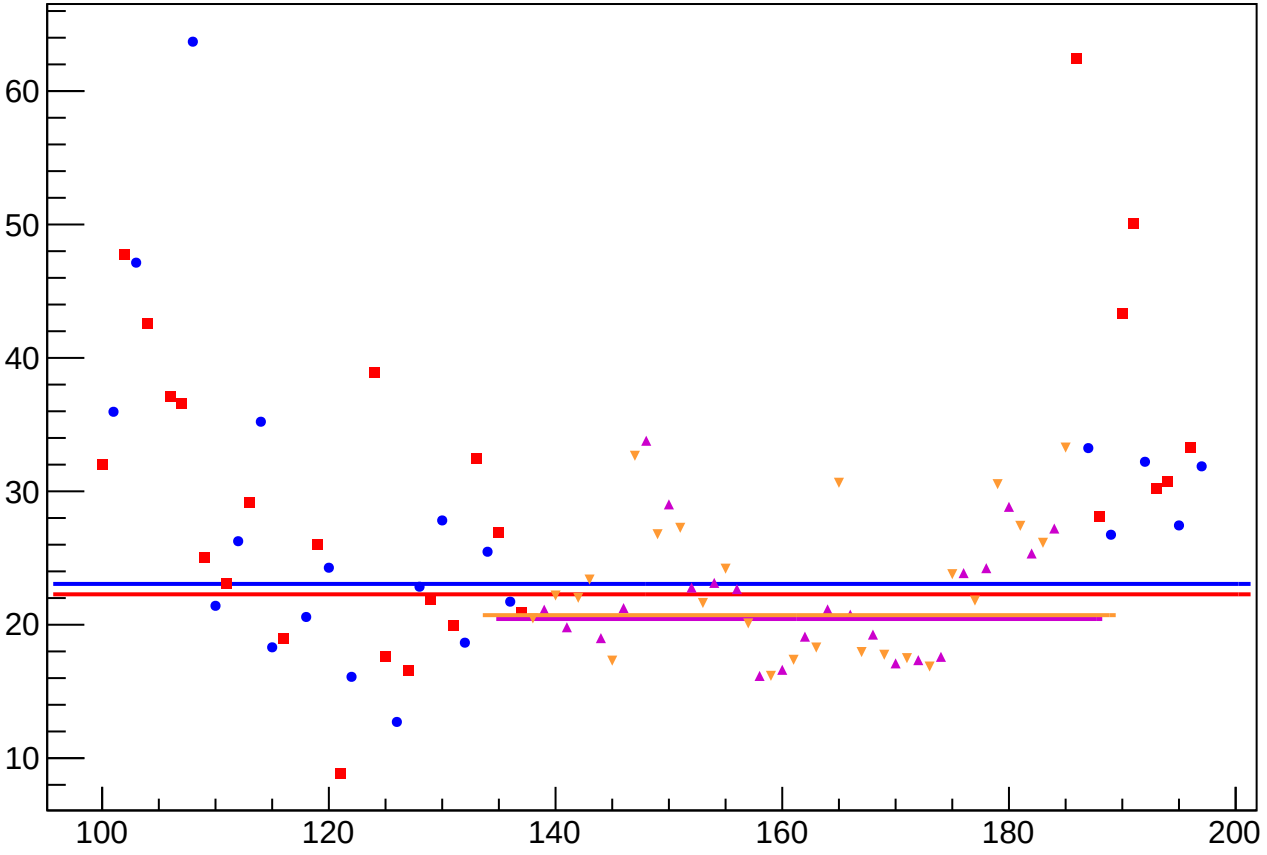
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.0/45

All: 0.009+/-0.003 χ^2/NDF: 113.3/94

- sign 0.004+/-0.004 χ^2/NDF: 36.9/48

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.060+/-0.005 χ^2/NDF: 1921093.1/20

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

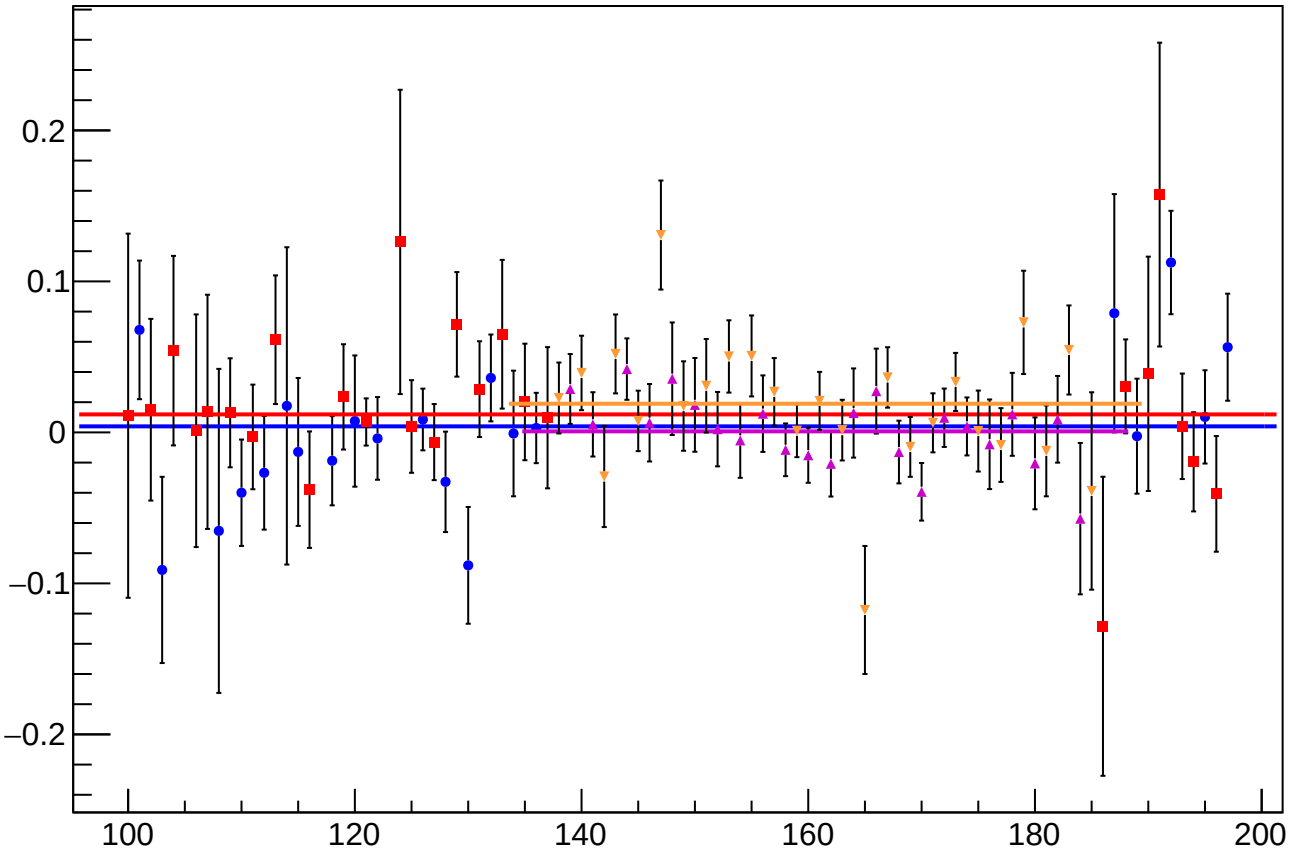
Right Out: 22.280+/-0.005 χ^2/NDF: 3735073.1/25

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

\+ sign 21.391+/-0.003 χ^2/NDF: 3560300.7/45

All: 21.198+/-0.002 χ^2/NDF: 8565869.6/94

\- sign 21.006+/-0.003 χ^2/NDF: 4996795.1/48



Right In: 0.004+/-0.008 χ^2/NDF: 29.2/20

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

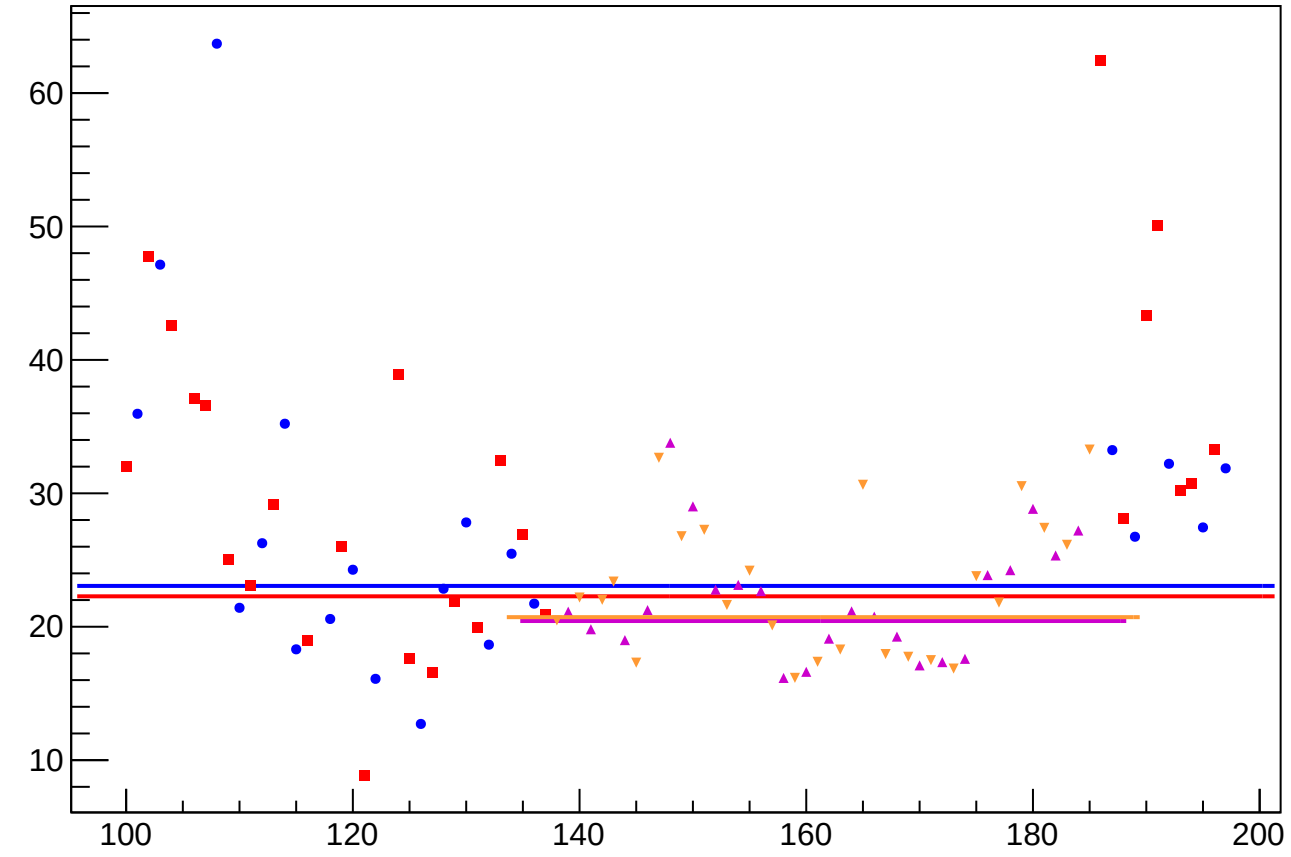
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/25

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.0/45

All: 0.009+/-0.003 χ^2/NDF: 113.3/94

- sign 0.004+/-0.004 χ^2/NDF: 36.9/48



Right In: 23.060+/-0.005 χ^2/NDF: 1921093.1/20

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

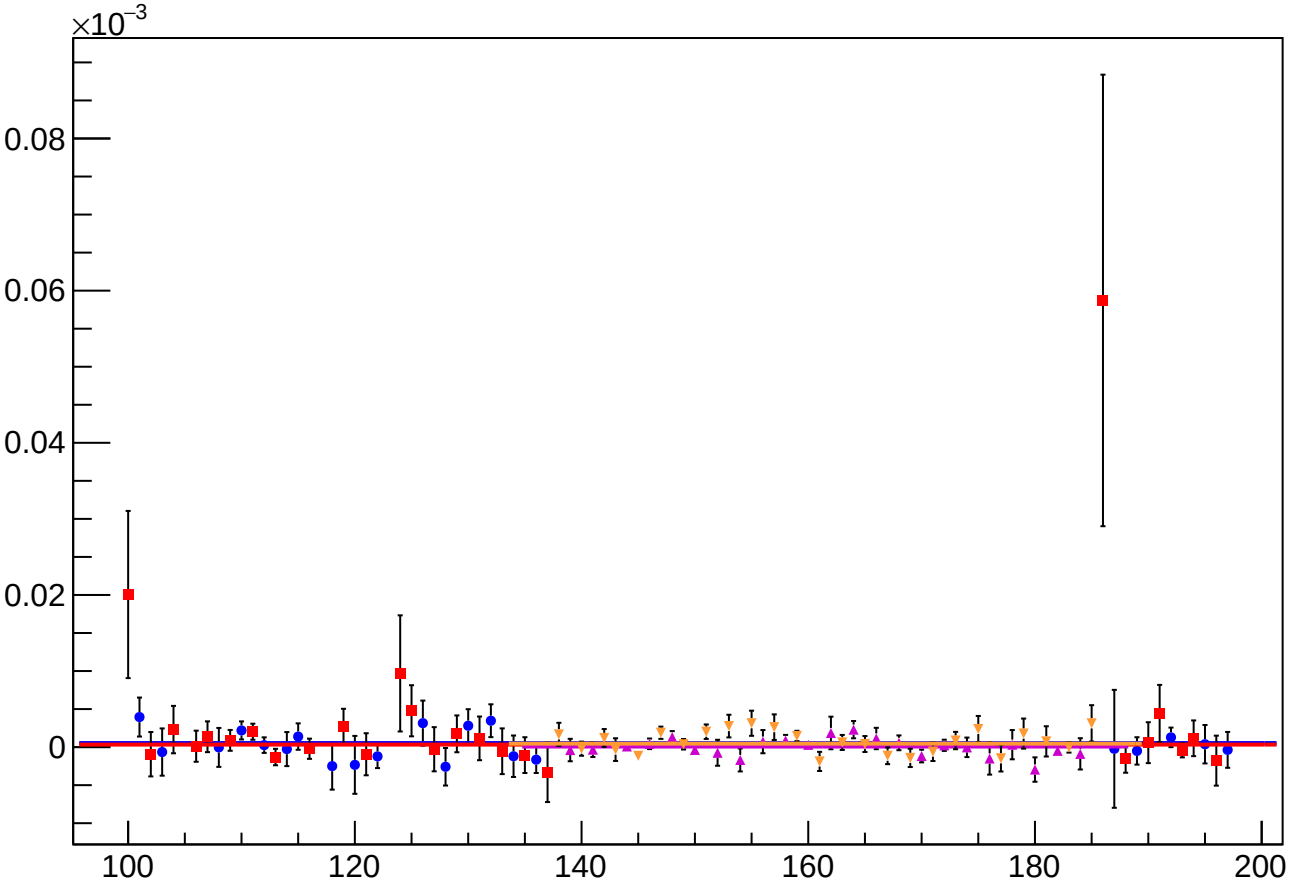
Right Out: 22.280+/-0.005 χ^2/NDF: 3735073.1/25

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.391+/-0.003 χ^2/NDF: 3560300.7/45

All: 21.198+/-0.002 χ^2/NDF: 8565869.6/94

- sign 21.006+/-0.003 χ^2/NDF: 4996795.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

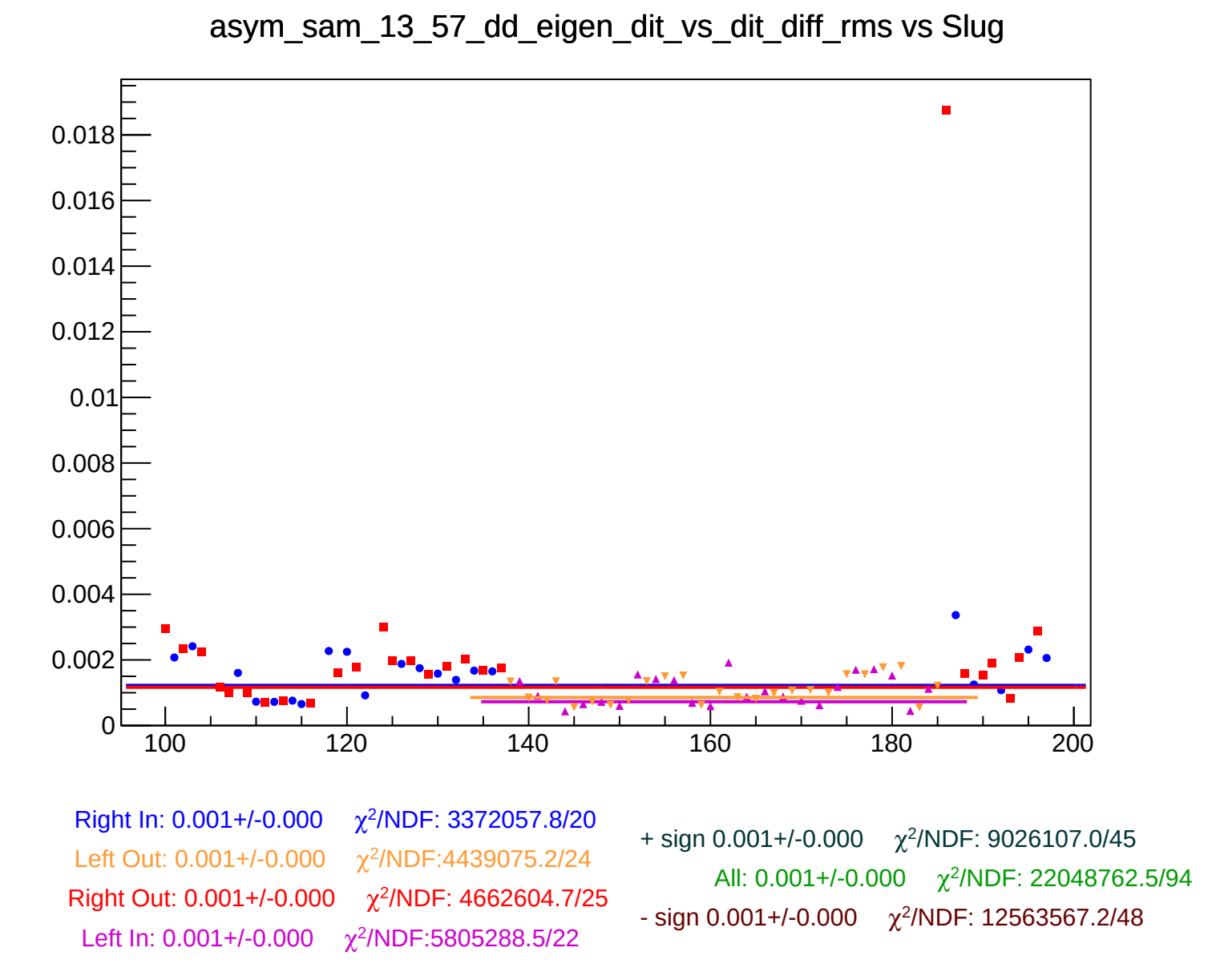
Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/25

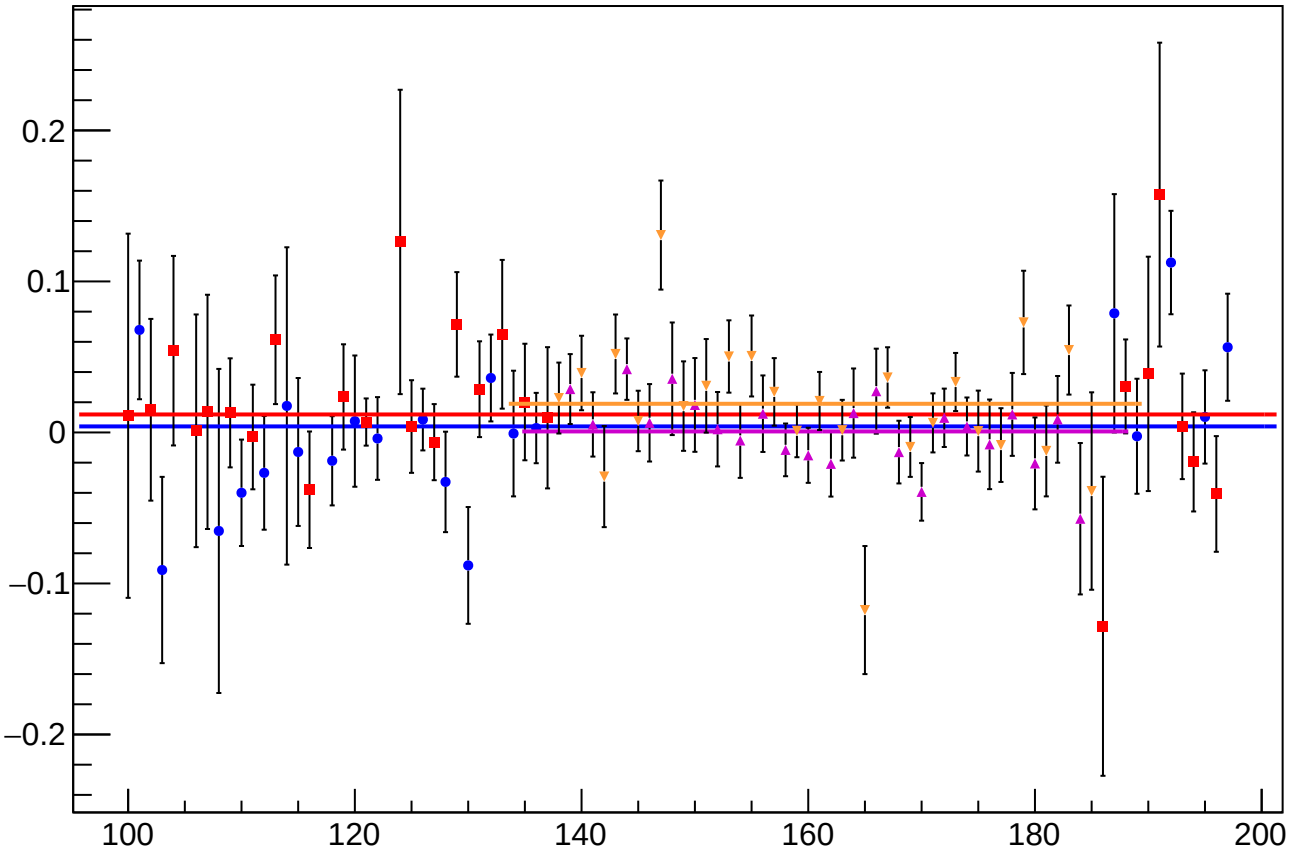
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/45

All: 0.000+/-0.000 χ^2/NDF: 96.6/94

- sign 0.000+/-0.000 χ^2/NDF: 42.6/48


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 3372057.8/20
Left Out: 0.001+/-0.000 χ²/NDF:4439075.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 4662604.7/25
Left In: 0.001+/-0.000 χ²/NDF:5805288.5/22
+ sign 0.001+/-0.000 χ²/NDF: 9026107.0/45
All: 0.001+/-0.000 χ²/NDF: 22048762.5/94
- sign 0.001+/-0.000 χ²/NDF: 12563567.2/48



Right In: 0.004+/-0.008 χ^2/NDF: 29.2/20

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

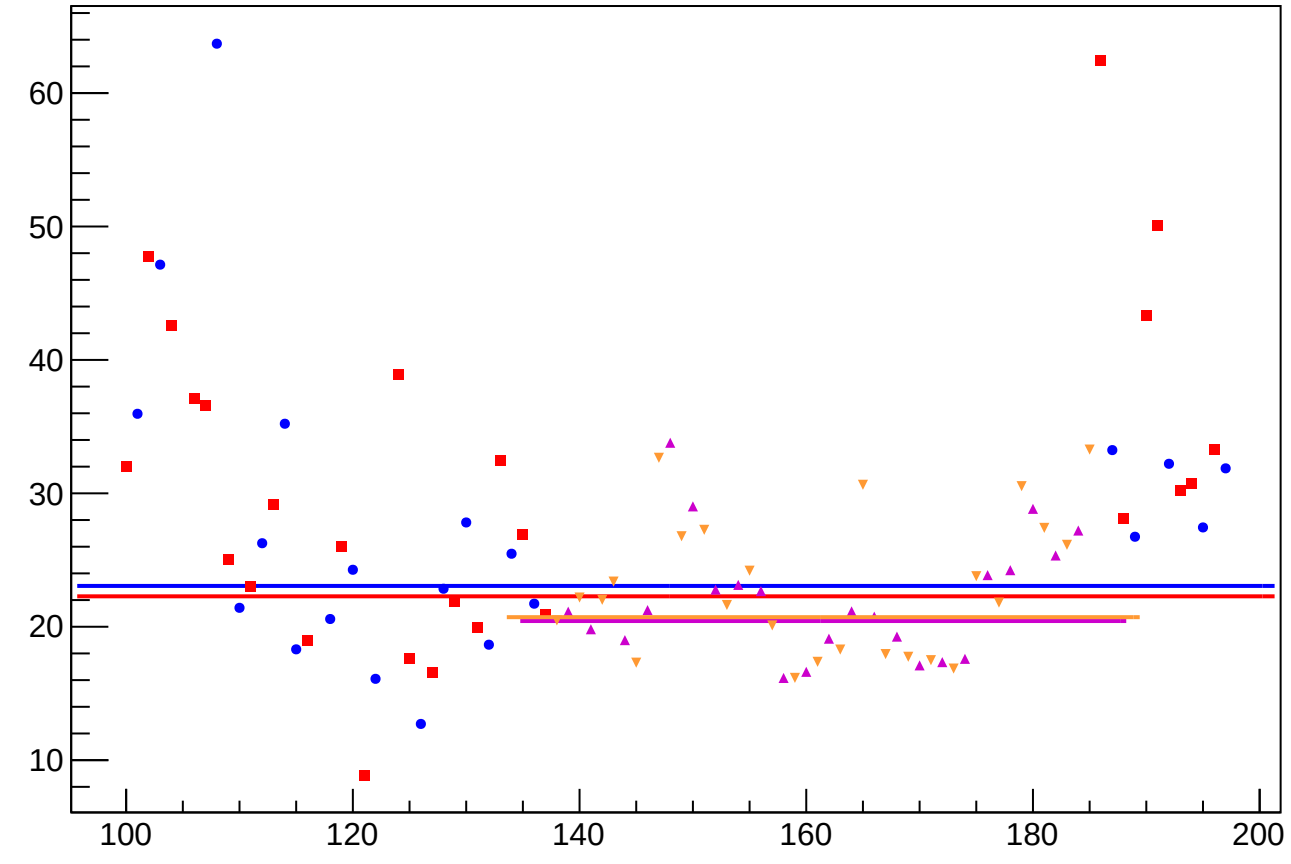
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/25

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.0/45

All: 0.009+/-0.003 χ^2/NDF: 113.3/94

- sign 0.004+/-0.004 χ^2/NDF: 36.9/48



Right In: 23.060+/-0.005 χ^2/NDF: 1920926.5/20

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

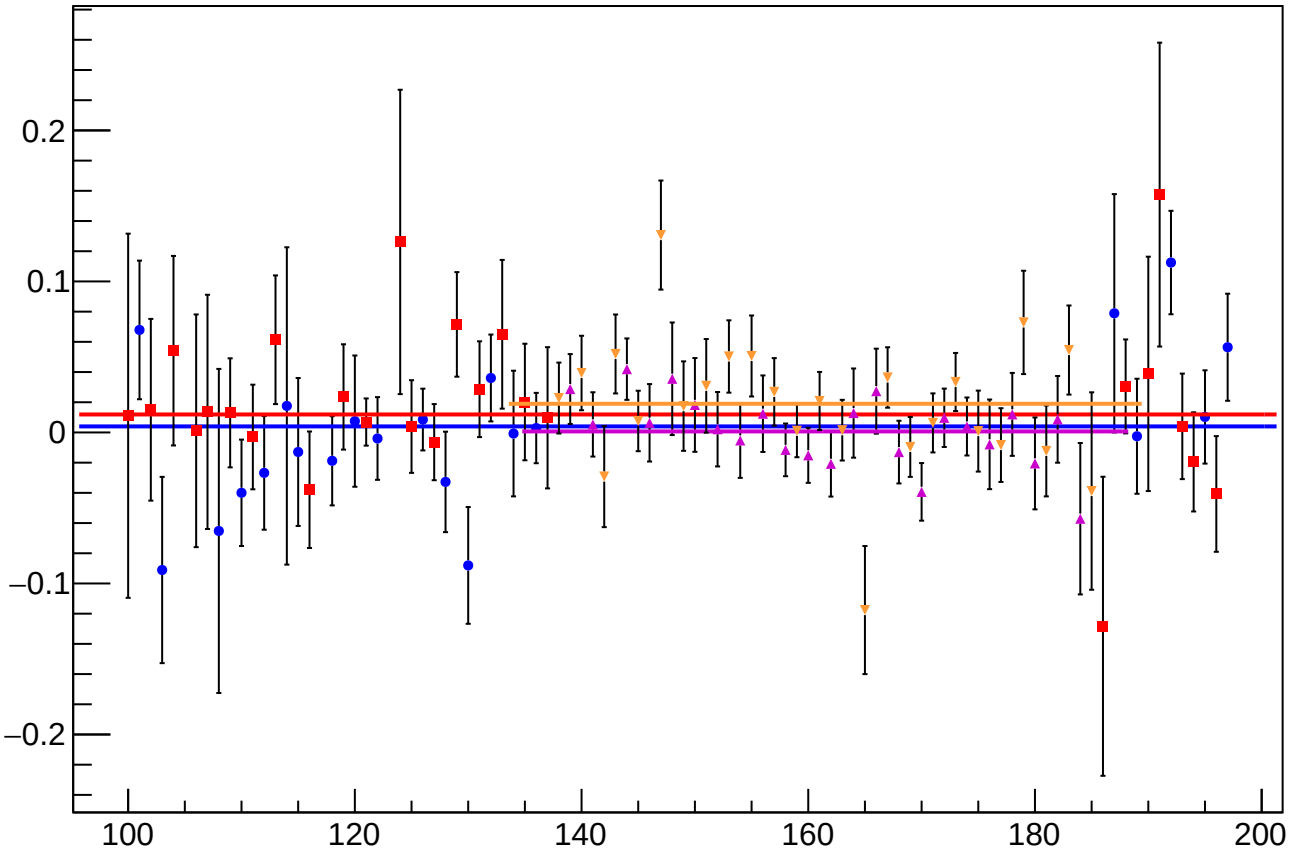
Right Out: 22.281+/-0.005 χ^2/NDF: 3734553.9/25

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.391+/-0.003 χ^2/NDF: 3560276.3/45

All: 21.198+/-0.002 χ^2/NDF: 8565416.8/94

- sign 21.007+/-0.003 χ^2/NDF: 4996373.8/48



Right In: 0.004+/-0.008 χ^2/NDF: 29.2/20

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

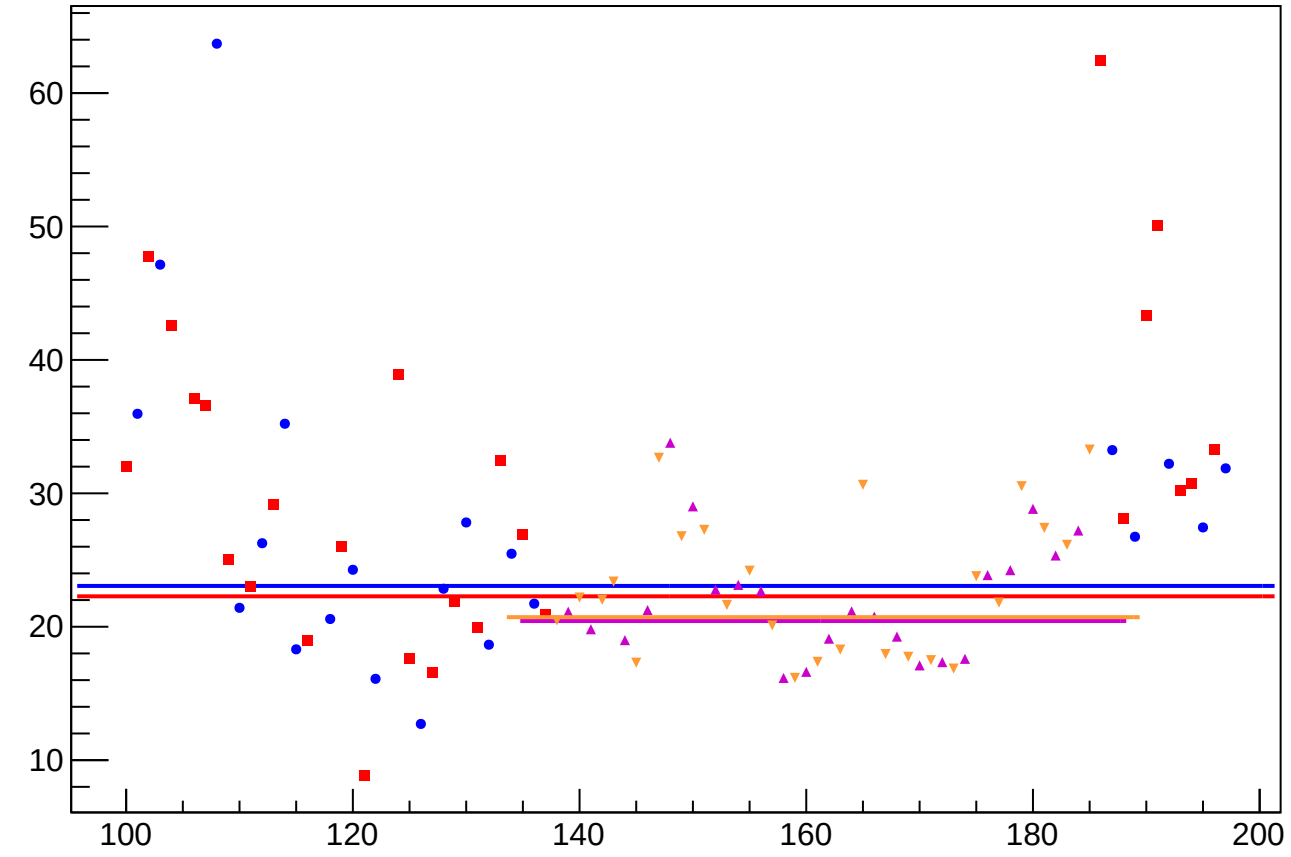
Right Out: 0.012+/-0.007 χ^2/NDF: 17.7/25

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.015+/-0.004 χ^2/NDF: 73.0/45

All: 0.009+/-0.003 χ^2/NDF: 113.3/94

- sign 0.004+/-0.004 χ^2/NDF: 36.9/48



Right In: 23.060+/-0.005 χ^2/NDF: 1920926.5/20

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

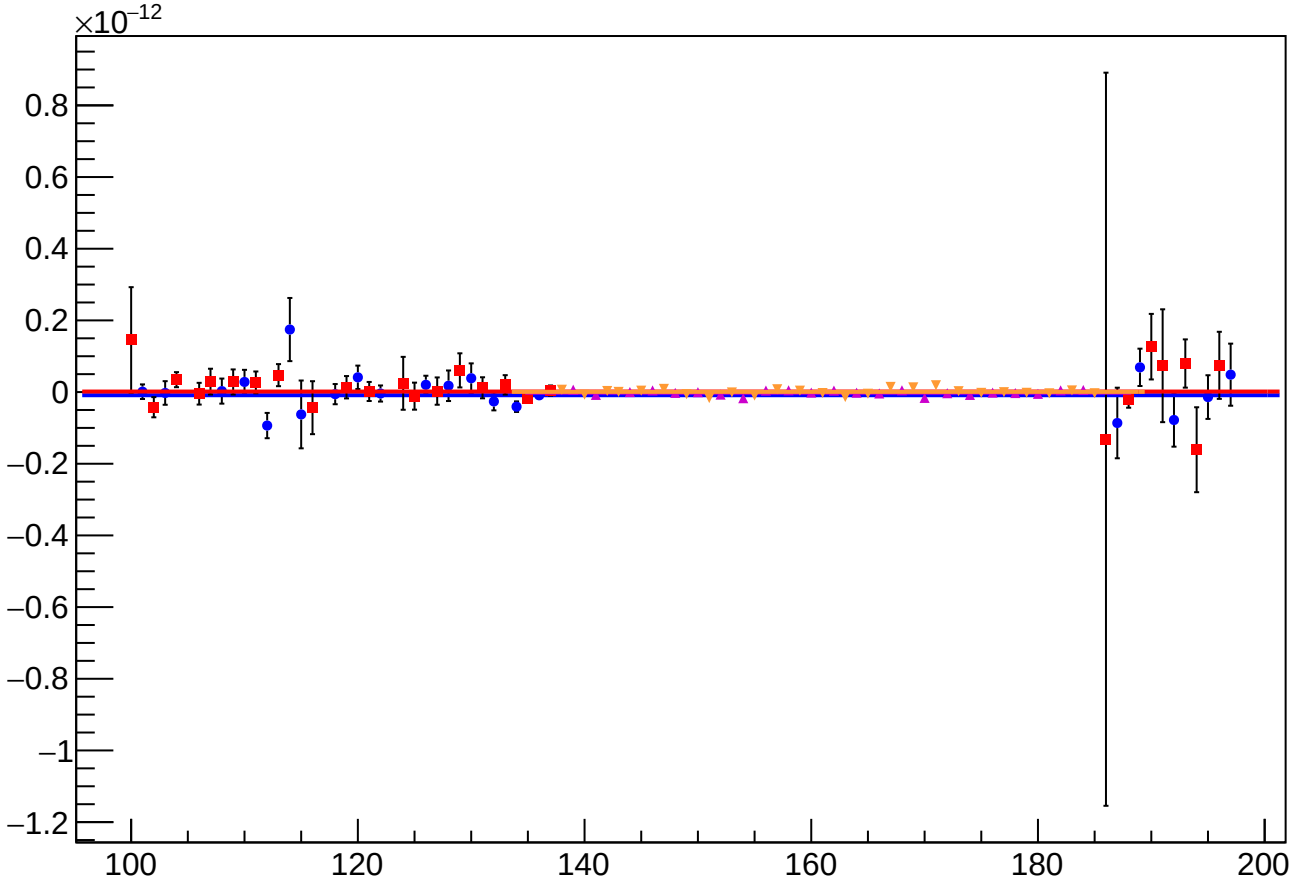
Right Out: 22.281+/-0.005 χ^2/NDF: 3734553.9/25

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.391+/-0.003 χ^2/NDF: 3560276.3/45

All: 21.198+/-0.002 χ^2/NDF: 8565416.8/94

- sign 21.007+/-0.003 χ^2/NDF: 4996373.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

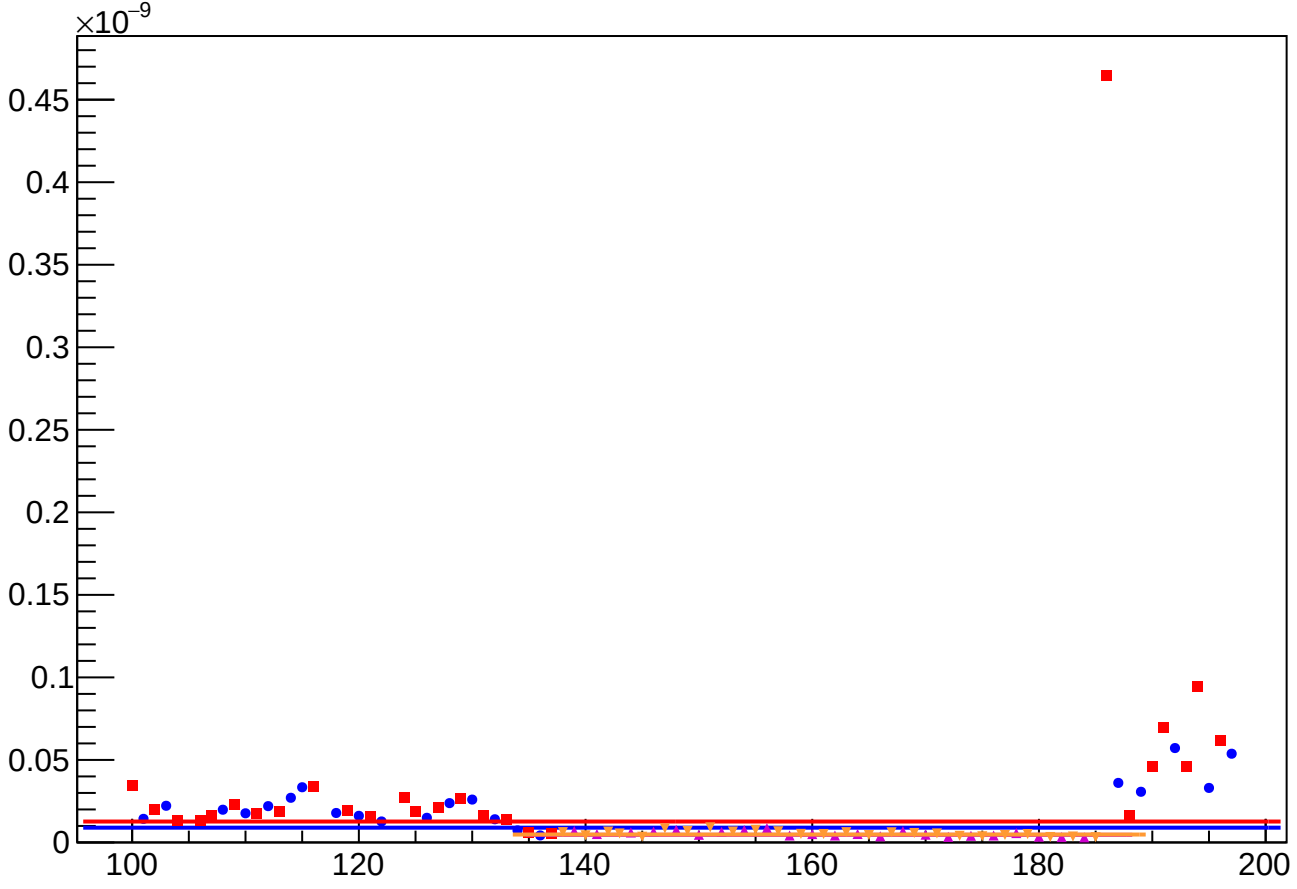
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/25

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.8/45

All: -0.000+/-0.000 χ^2/NDF: 105.1/94

- sign -0.000+/-0.000 χ^2/NDF: 44.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 5961273.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5650788.2/25

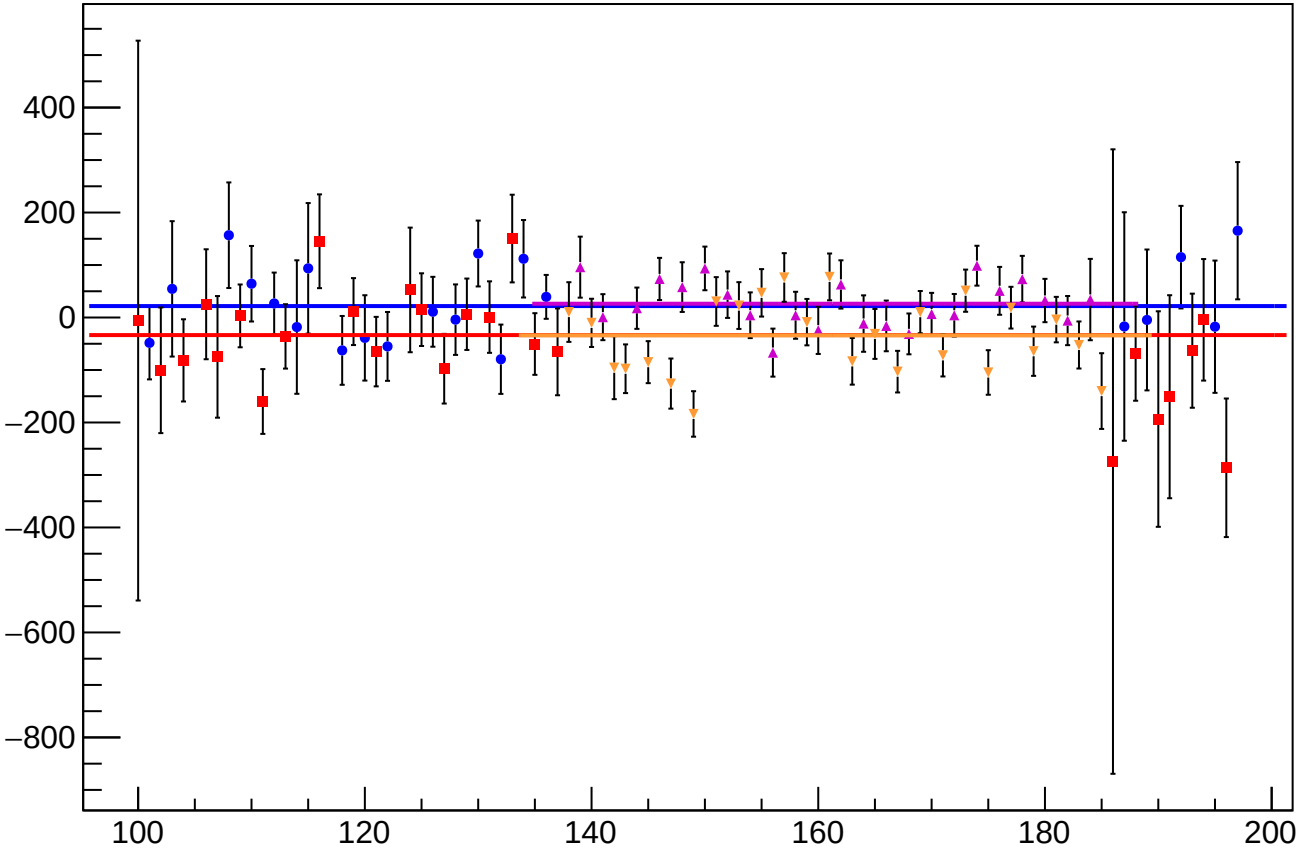
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9690618.7/45

All: 0.000+/-0.000 χ^2/NDF: 21358716.3/94

- sign 0.000+/-0.000 χ^2/NDF: 11665244.8/48

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 21.788+/-16.715 χ^2/NDF: 16.3/20

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -33.476+/-16.397 χ^2/NDF: 23.2/25

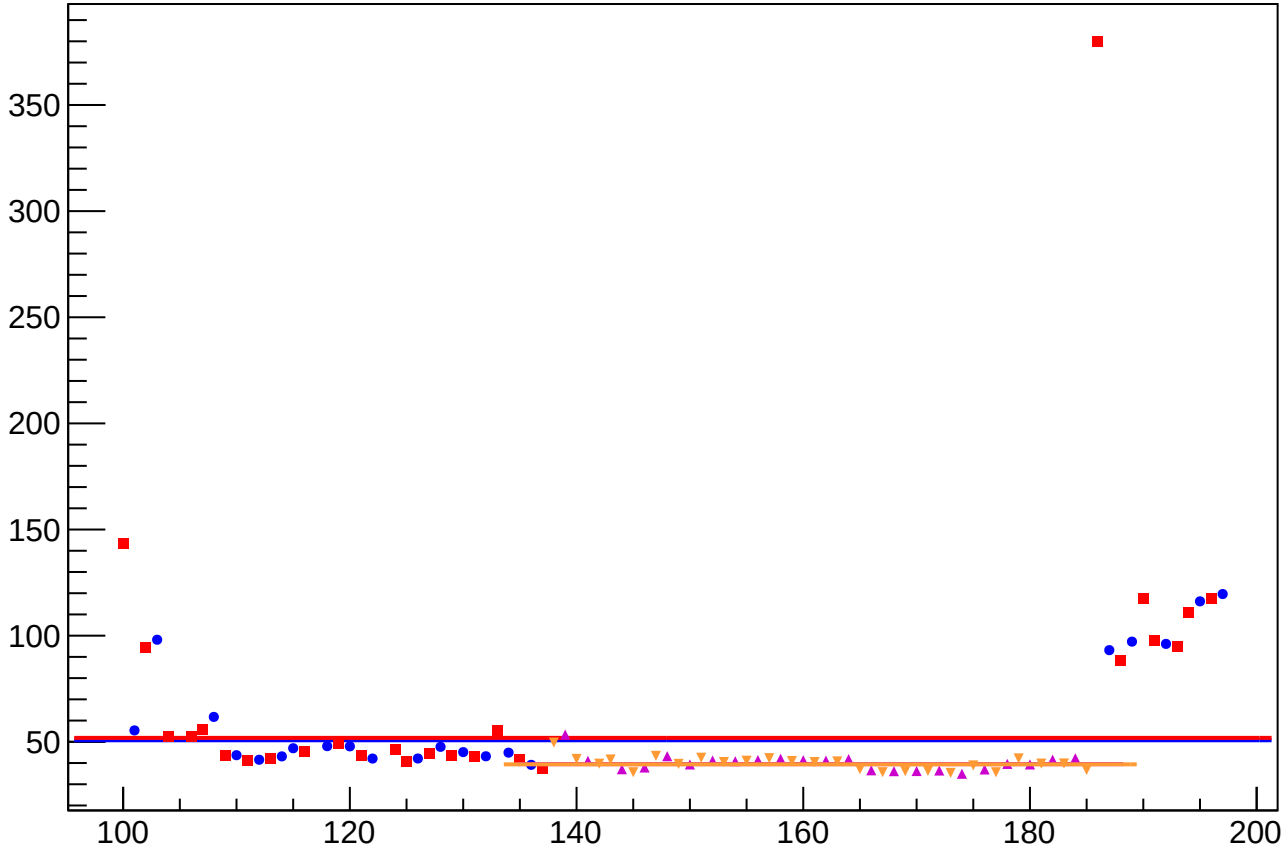
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.441+/-7.920 χ^2/NDF: 83.6/45

All: -5.138+/-5.653 χ^2/NDF: 148.0/94

- sign 11.793+/-8.071 χ^2/NDF: 55.7/48

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 50.726+/-0.012 χ^2/NDF: 2507415.9/20

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 51.849+/-0.012 χ^2/NDF: 3354155.1/25

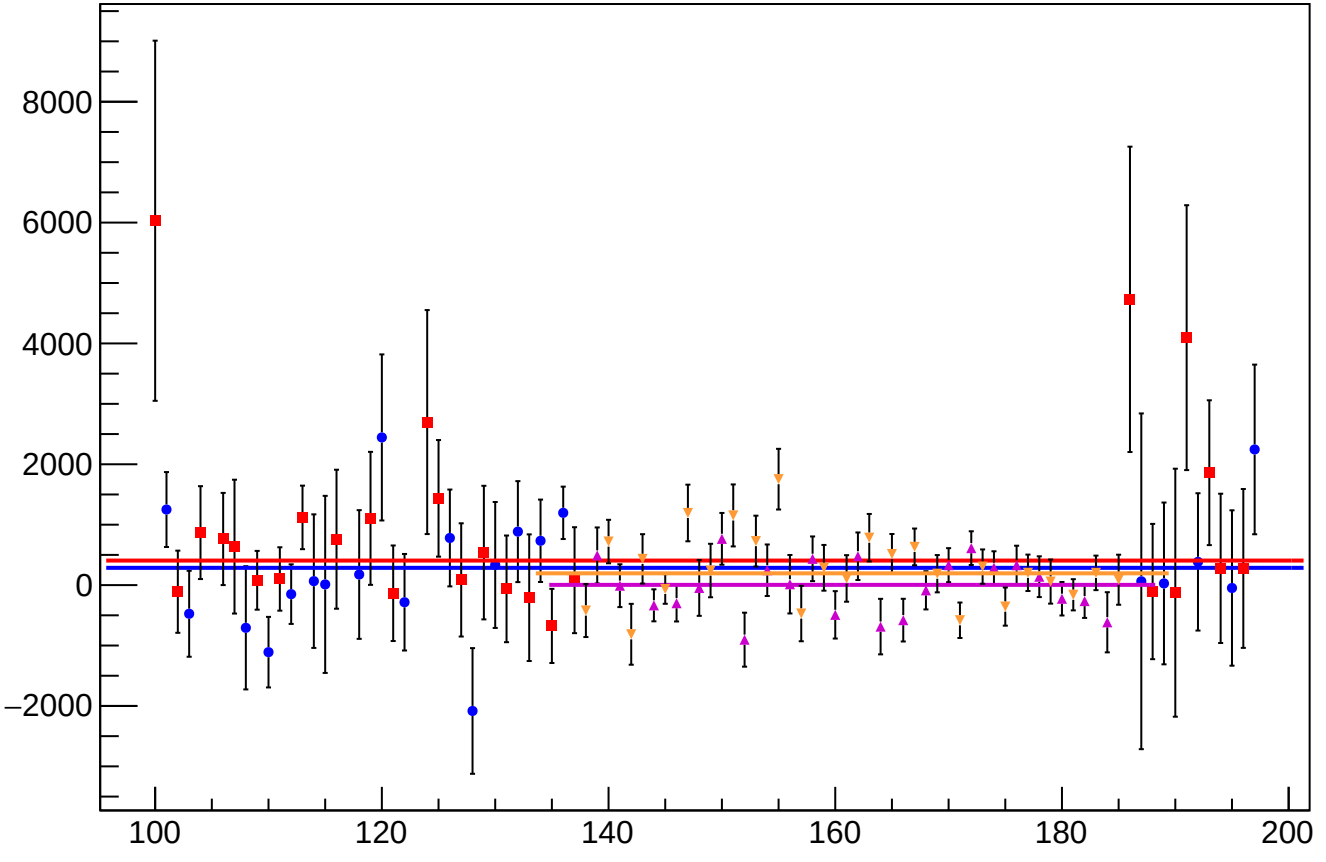
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.929+/-0.006 χ^2/NDF: 3450613.6/45

All: 42.202+/-0.004 χ^2/NDF: 7922282.4/94

- sign 42.485+/-0.006 χ^2/NDF: 4466841.4/48

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 285.812+/-177.539 χ^2/NDF: 27.1/20

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 406.215+/-171.596 χ^2/NDF: 22.6/25

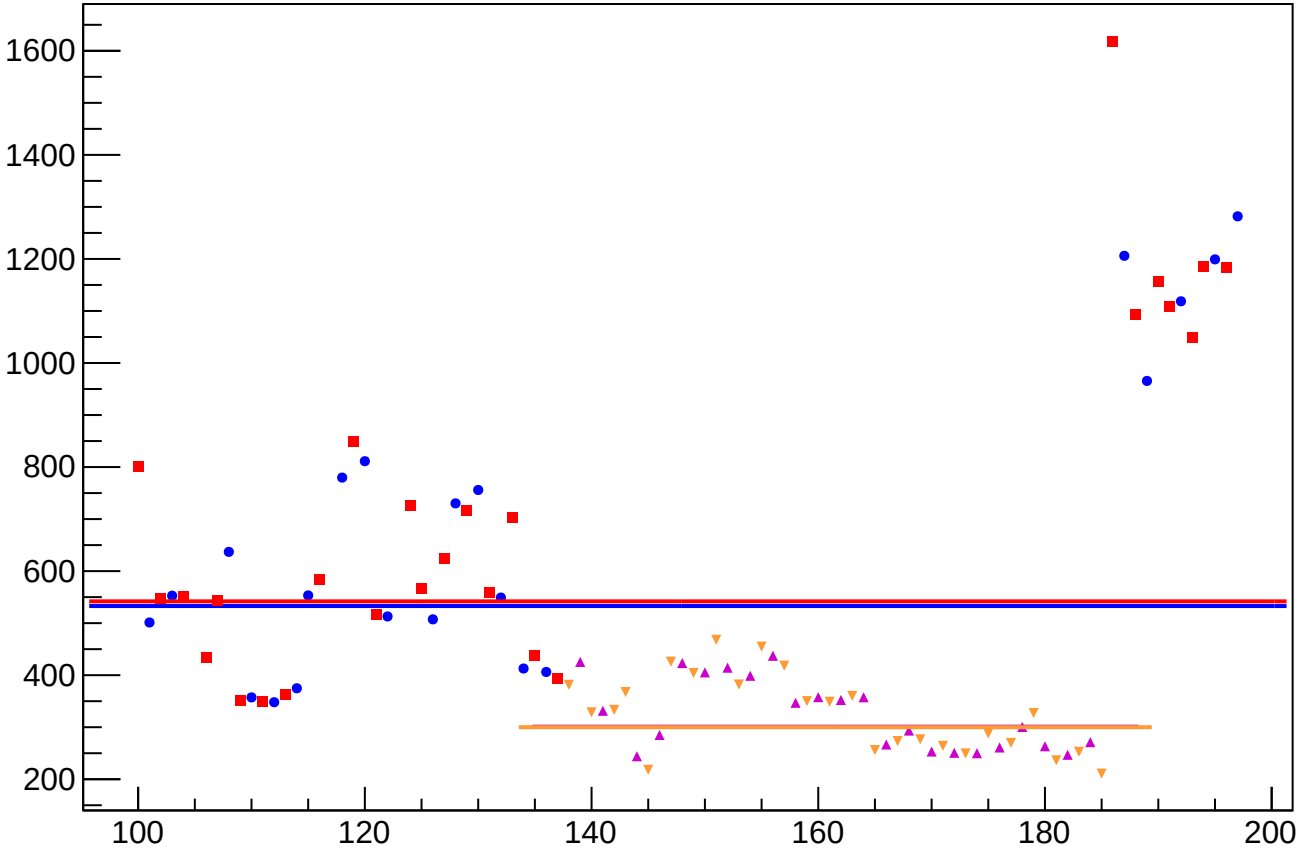
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 207.271+/-65.196 χ^2/NDF: 75.9/45

All: 137.019+/-46.513 χ^2/NDF: 137.8/94

- sign 64.197+/-66.377 χ^2/NDF: 59.6/48

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 532.869+/-0.126 χ^2/NDF: 3084789.9/20

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 541.888+/-0.121 χ^2/NDF: 3811391.7/25

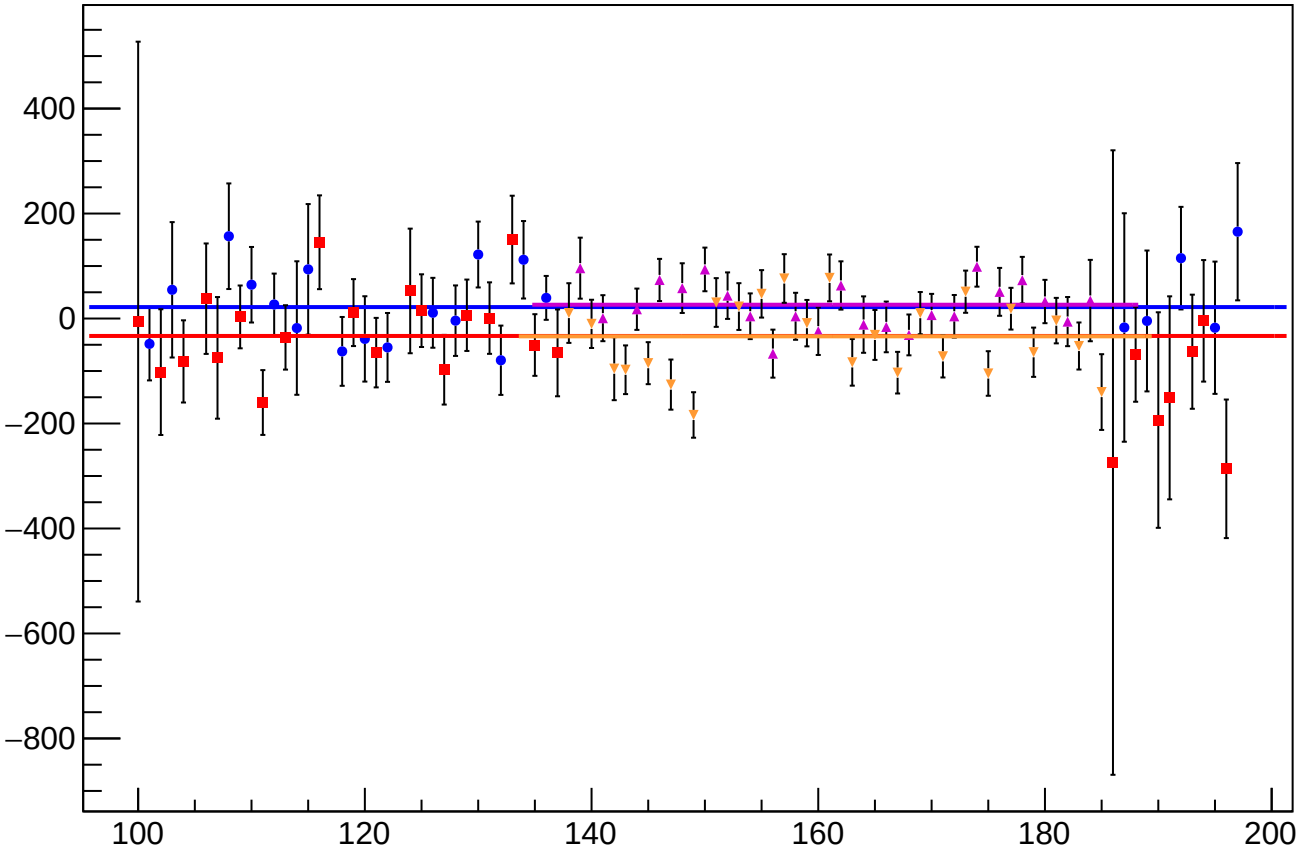
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 331.382+/-0.046 χ^2/NDF: 7870724.2/45

All: 334.162+/-0.033 χ^2/NDF: 16448350.9/94

- sign 337.044+/-0.047 χ^2/NDF: 8570218.8/48

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 21.793+/-16.715 χ^2/NDF: 16.3/20

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -33.216+/-16.399 χ^2/NDF: 23.3/25

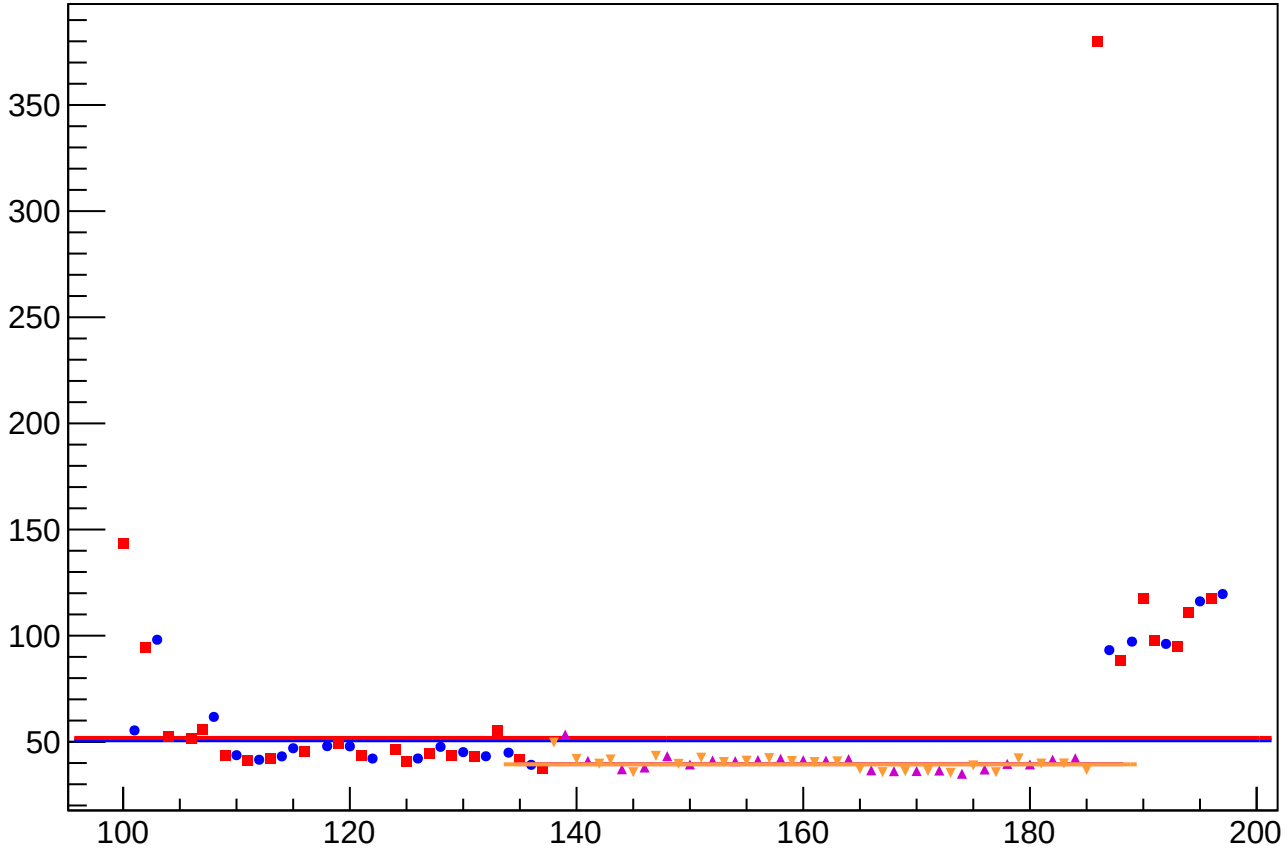
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.439+/-7.920 χ^2/NDF: 83.6/45

All: -5.105+/-5.653 χ^2/NDF: 148.1/94

- sign 11.858+/-8.071 χ^2/NDF: 55.8/48

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 50.726+/-0.012 χ^2/NDF: 2507418.9/20

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

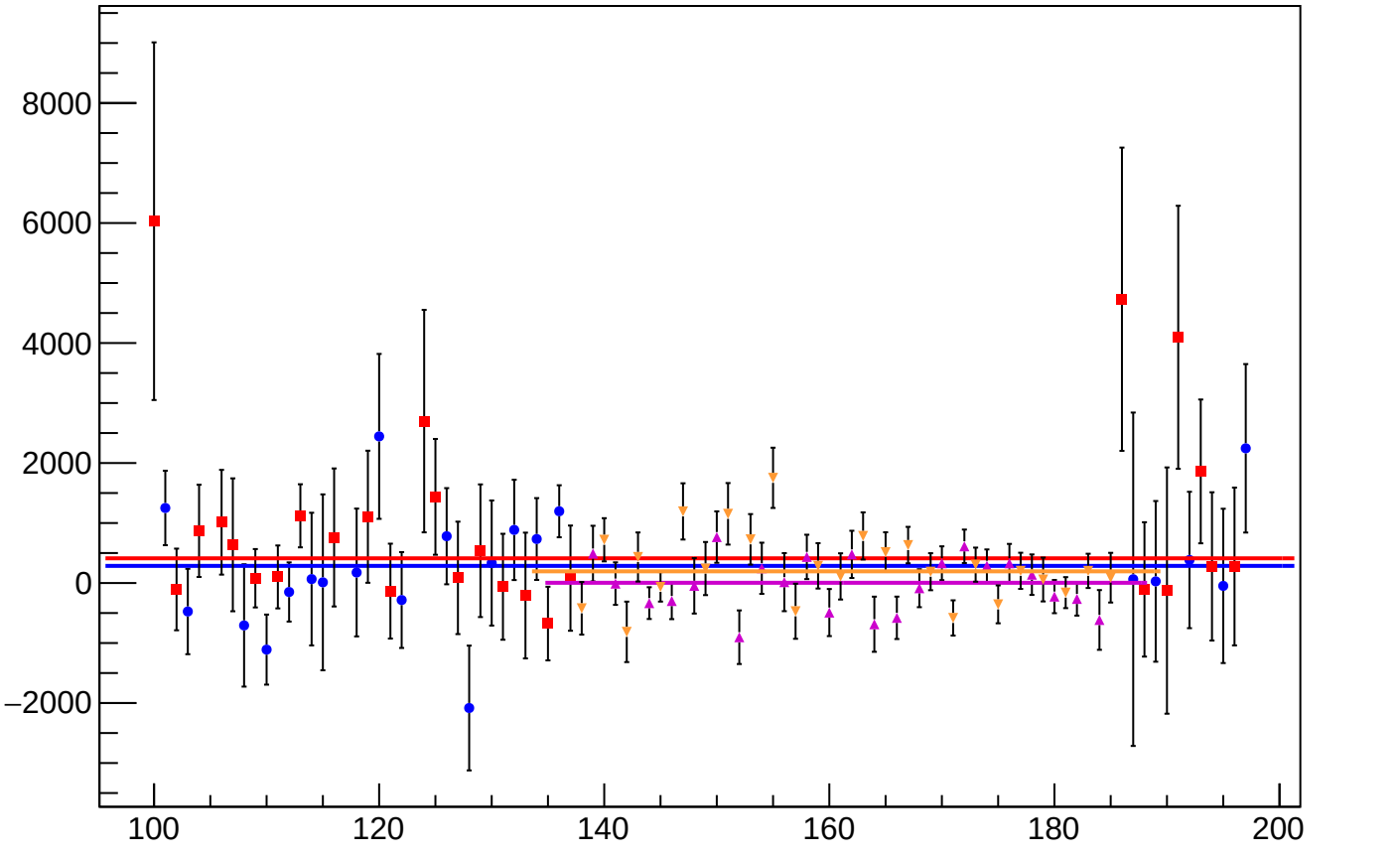
Right Out: 51.829+/-0.012 χ^2/NDF: 3354312.5/25

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.929+/-0.006 χ^2/NDF: 3450616.5/45

All: 42.199+/-0.004 χ^2/NDF: 7919421.4/94

- sign 42.480+/-0.006 χ^2/NDF: 4464070.3/48



Right In: 285.817+/-177.540 χ^2/NDF: 27.1/20

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 411.891+/-172.640 χ^2/NDF: 22.8/25

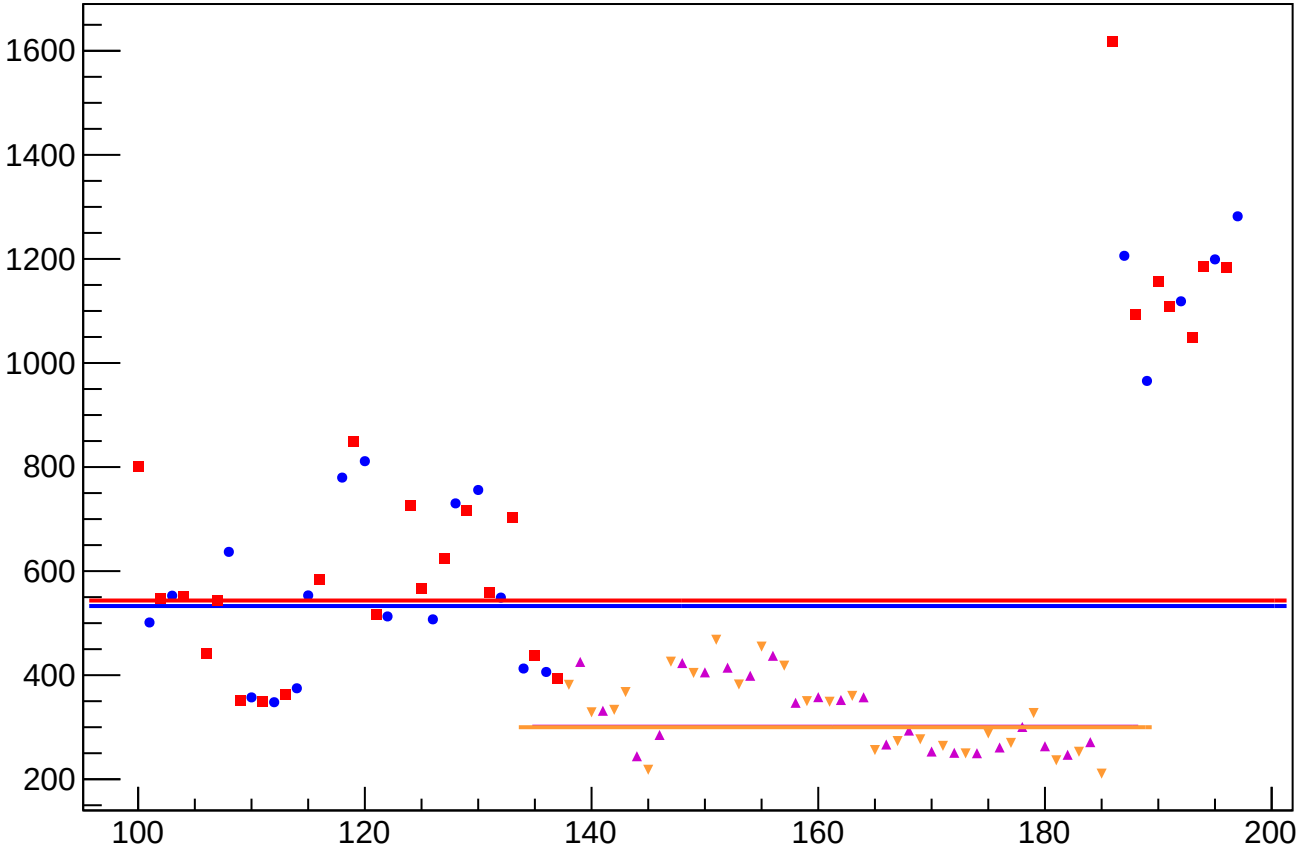
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 207.271+/-65.196 χ^2/NDF: 75.9/45

All: 137.192+/-46.533 χ^2/NDF: 138.2/94

- sign 64.419+/-66.437 χ^2/NDF: 59.9/48

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 532.872+/-0.126 χ^2/NDF: 3084802.4/20

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 543.505+/-0.122 χ^2/NDF: 3797807.1/25

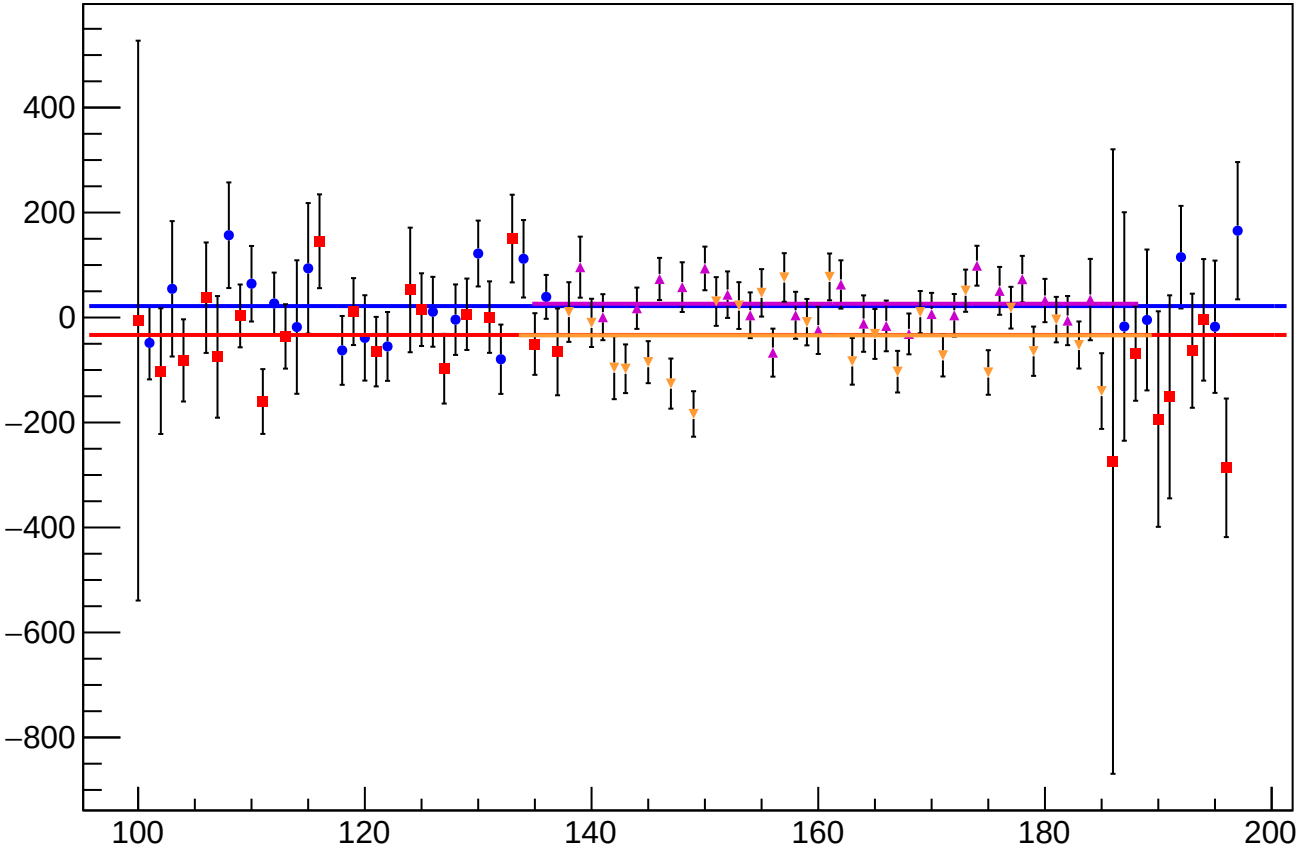
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 331.382+/-0.046 χ^2/NDF: 7870766.5/45

All: 334.096+/-0.033 χ^2/NDF: 16444689.4/94

- sign 336.913+/-0.047 χ^2/NDF: 8566861.1/48

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 21.793+/-16.715 χ^2/NDF: 16.3/20

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -33.216+/-16.399 χ^2/NDF: 23.3/25

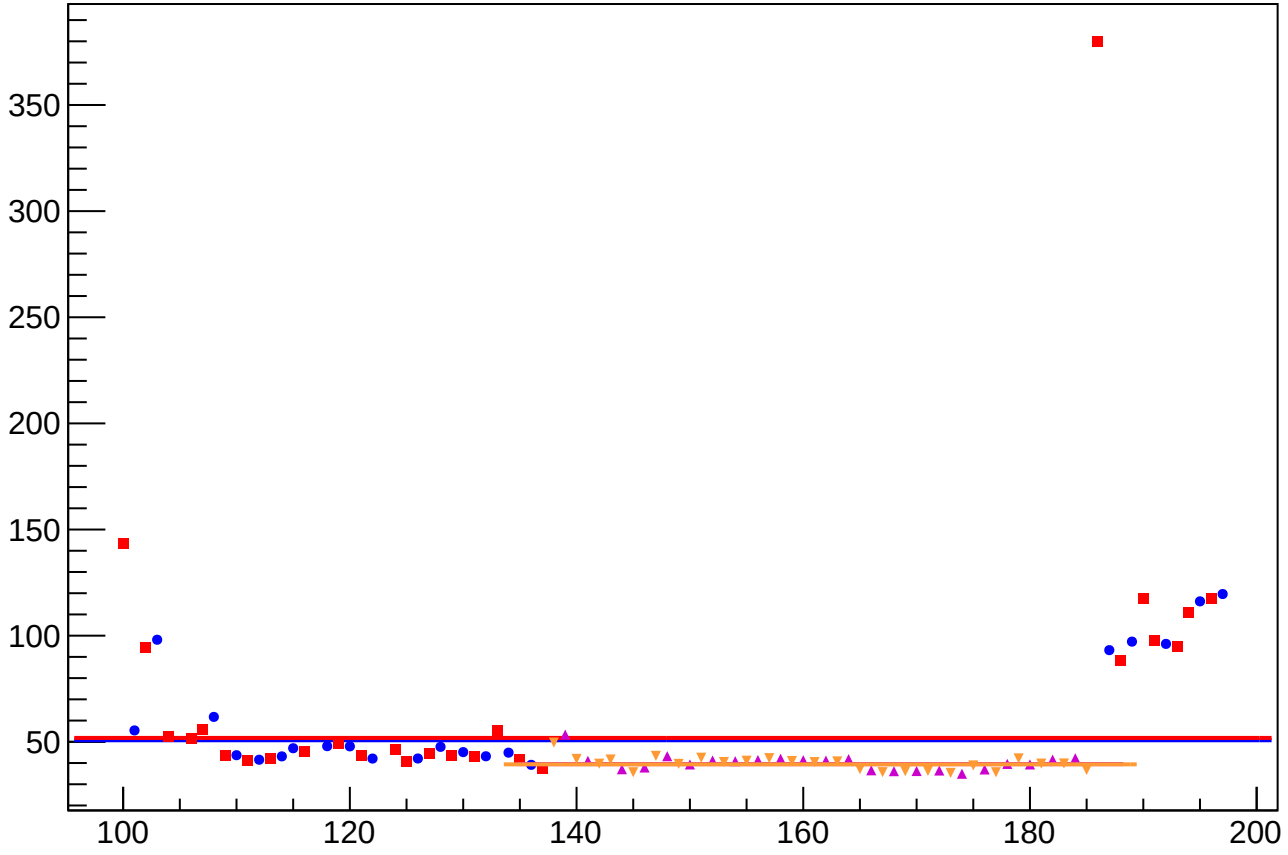
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -21.439+/-7.920 χ^2/NDF: 83.6/45

All: -5.105+/-5.653 χ^2/NDF: 148.1/94

- sign 11.858+/-8.071 χ^2/NDF: 55.8/48

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 50.726+/-0.012 χ^2/NDF: 2507418.9/20

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

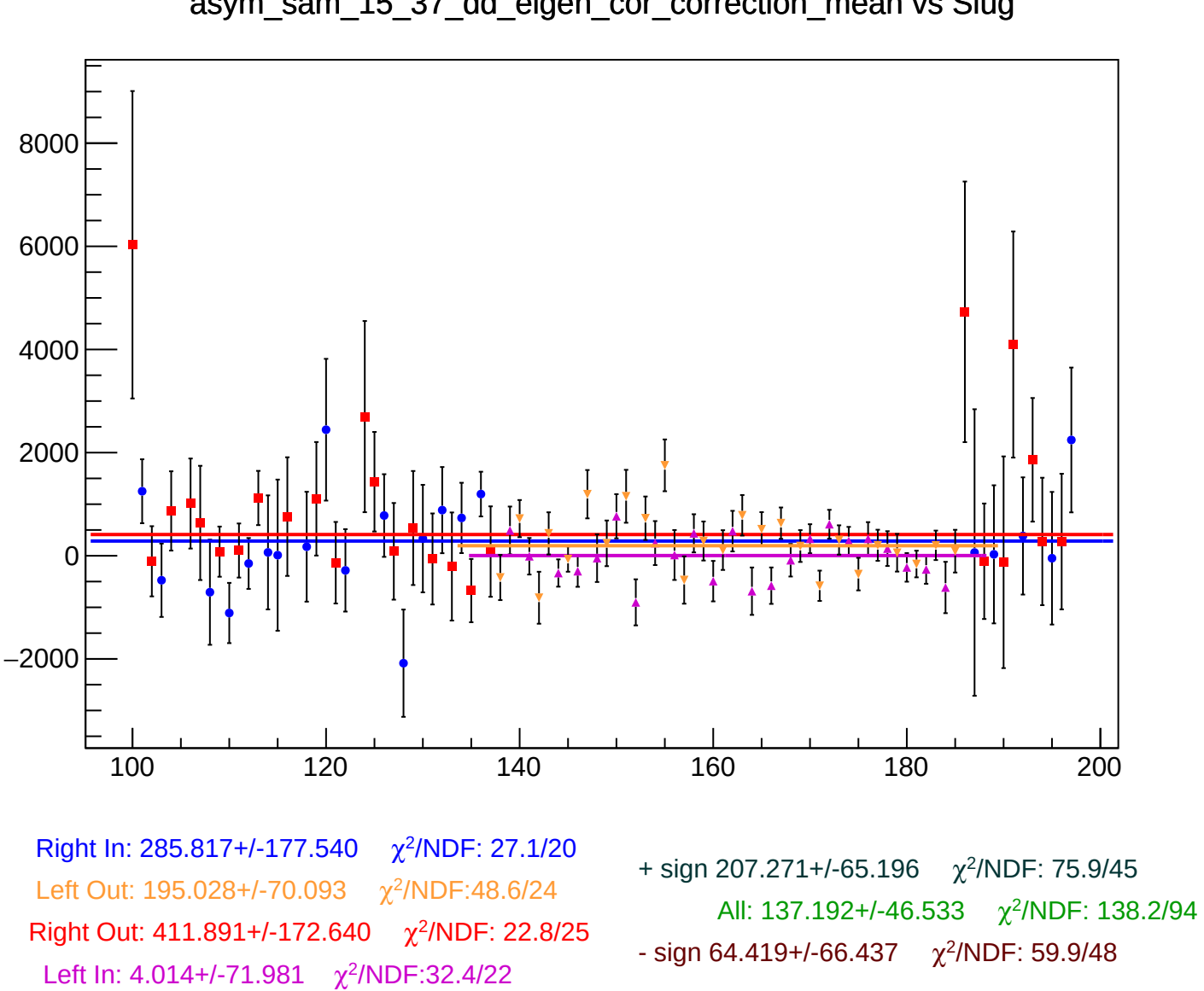
Right Out: 51.829+/-0.012 χ^2/NDF: 3354312.5/25

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

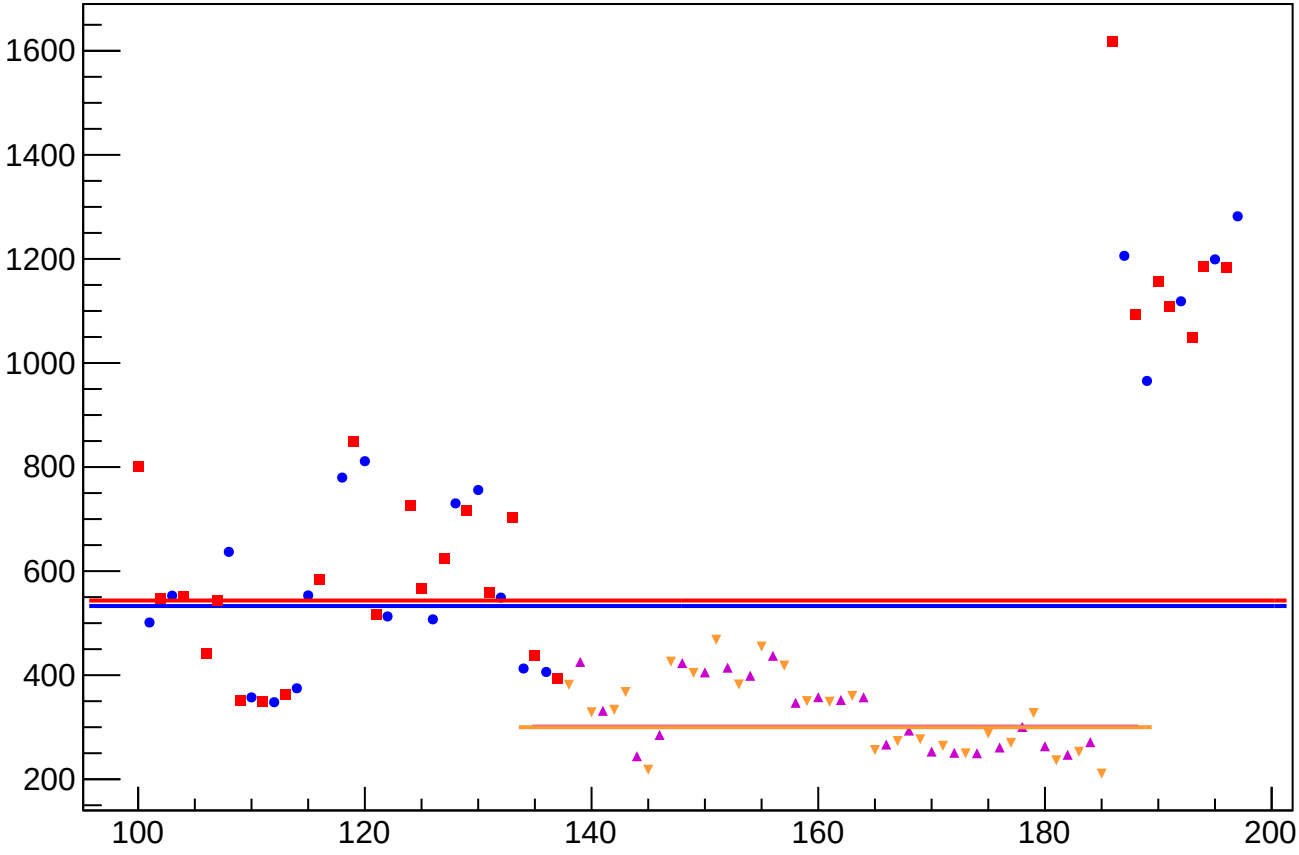
+ sign 41.929+/-0.006 χ^2/NDF: 3450616.5/45

All: 42.199+/-0.004 χ^2/NDF: 7919421.4/94

- sign 42.480+/-0.006 χ^2/NDF: 4464070.3/48


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: 285.817+/-177.540 χ²/NDF: 27.1/20
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 411.891+/-172.640 χ²/NDF: 22.8/25
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 207.271+/-65.196 χ²/NDF: 75.9/45
All: 137.192+/-46.533 χ²/NDF: 138.2/94
- sign 64.419+/-66.437 χ²/NDF: 59.9/48

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug



Right In: 532.872+/-0.126 χ^2/NDF: 3084802.4/20

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 543.505+/-0.122 χ^2/NDF: 3797807.1/25

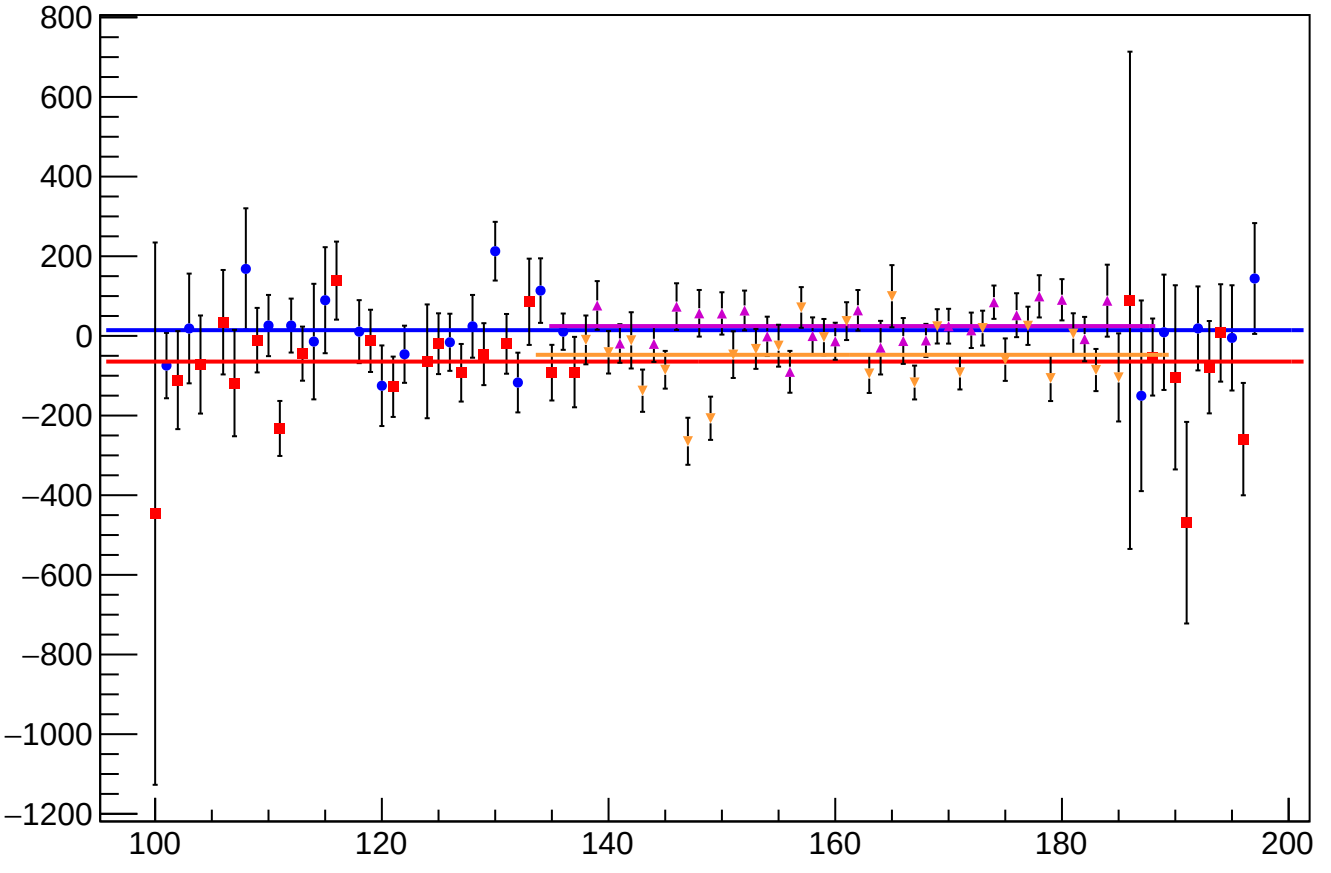
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 331.382+/-0.046 χ^2/NDF: 7870766.5/45

All: 334.096+/-0.033 χ^2/NDF: 16444689.4/94

- sign 336.913+/-0.047 χ^2/NDF: 8566861.1/48

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 14.392+/-18.891 χ^2/NDF: 18.6/20

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -64.501+/-18.974 χ^2/NDF: 21.1/25

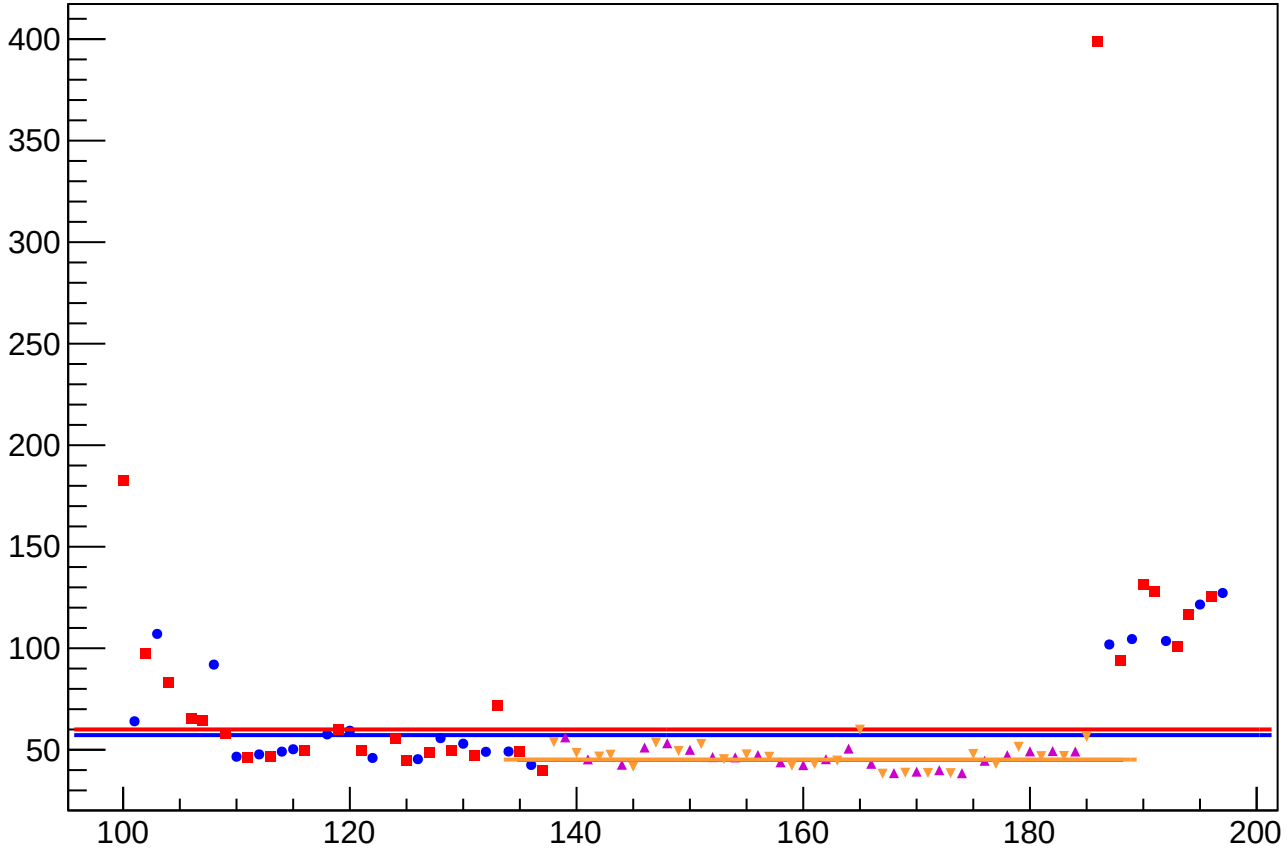
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -33.106+/-9.105 χ^2/NDF: 81.5/45

All: -15.281+/-6.504 χ^2/NDF: 146.9/94

- sign 3.289+/-9.294 χ^2/NDF: 57.6/48

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 57.220+/-0.013 χ^2/NDF: 2482427.8/20

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 60.020+/-0.013 χ^2/NDF: 3236360.7/25

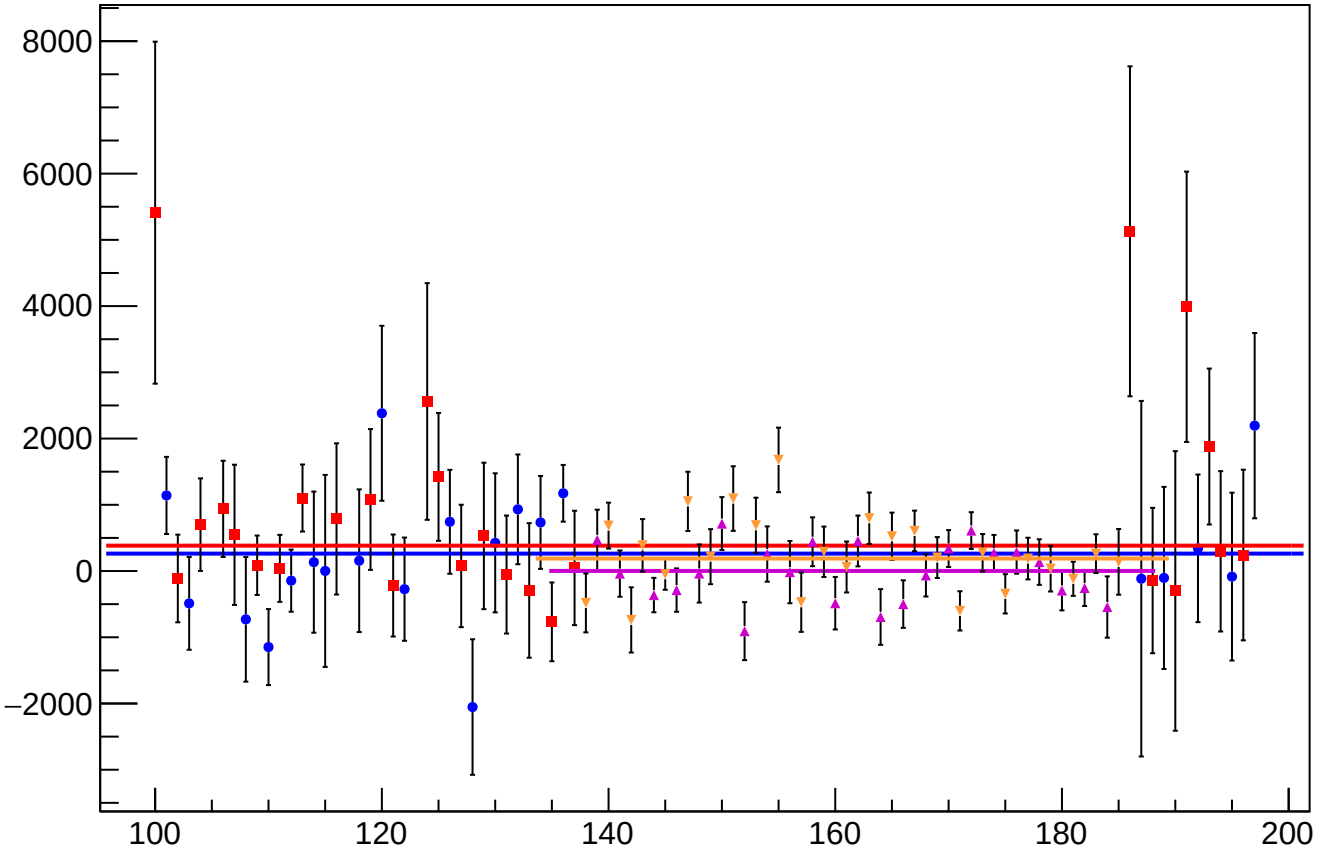
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 47.973+/-0.006 χ^2/NDF: 3596467.1/45

All: 48.288+/-0.005 χ^2/NDF: 8160813.4/94

- sign 48.617+/-0.007 χ^2/NDF: 4559454.1/48

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 263.071+/-173.619 χ^2/NDF: 27.7/20

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 383.209+/-165.222 χ^2/NDF: 25.3/25

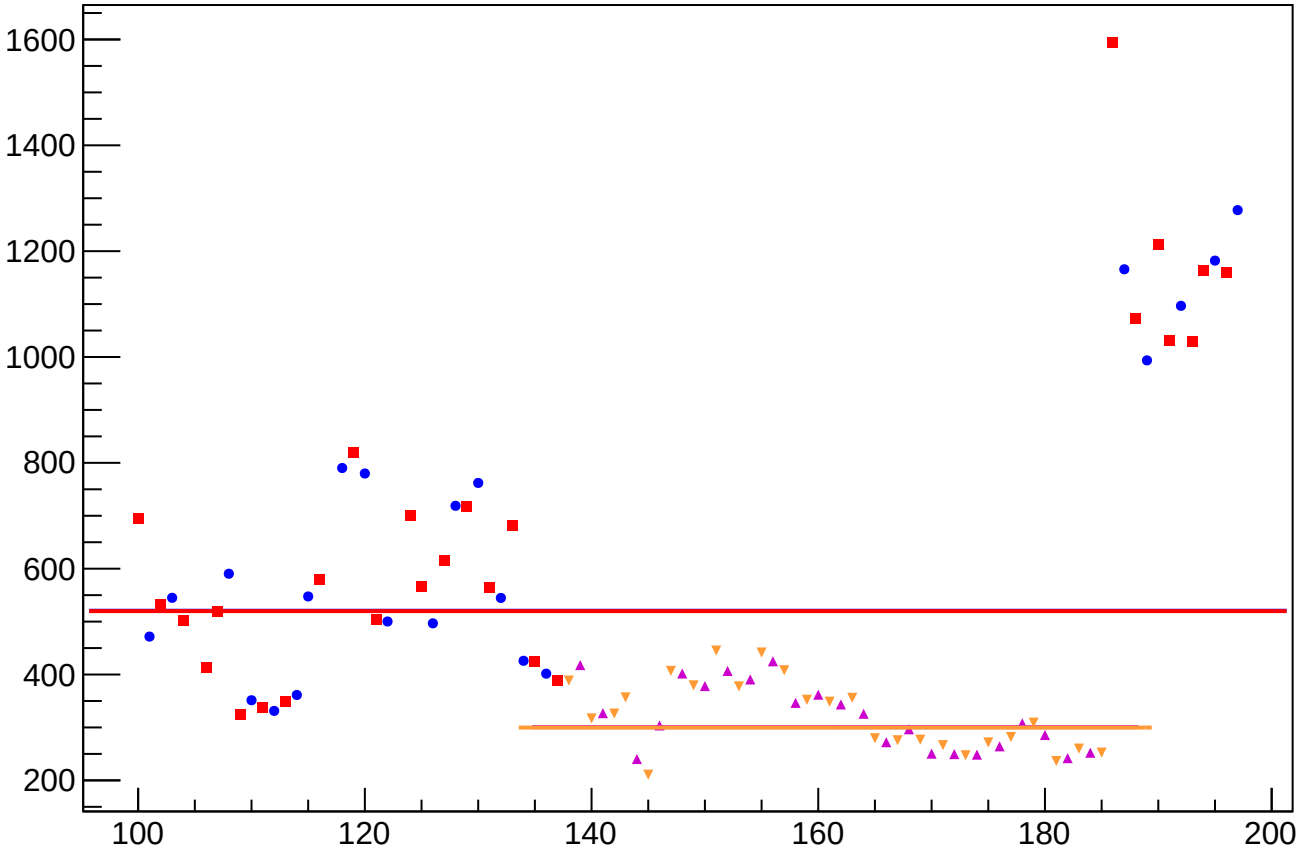
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 199.123+/-64.693 χ^2/NDF: 74.6/45

All: 131.776+/-46.126 χ^2/NDF: 138.8/94

- sign 62.141+/-65.783 χ^2/NDF: 62.0/48

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 520.510+/-0.123 χ^2/NDF: 3169526.6/20

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 519.856+/-0.117 χ^2/NDF: 4001777.1/25

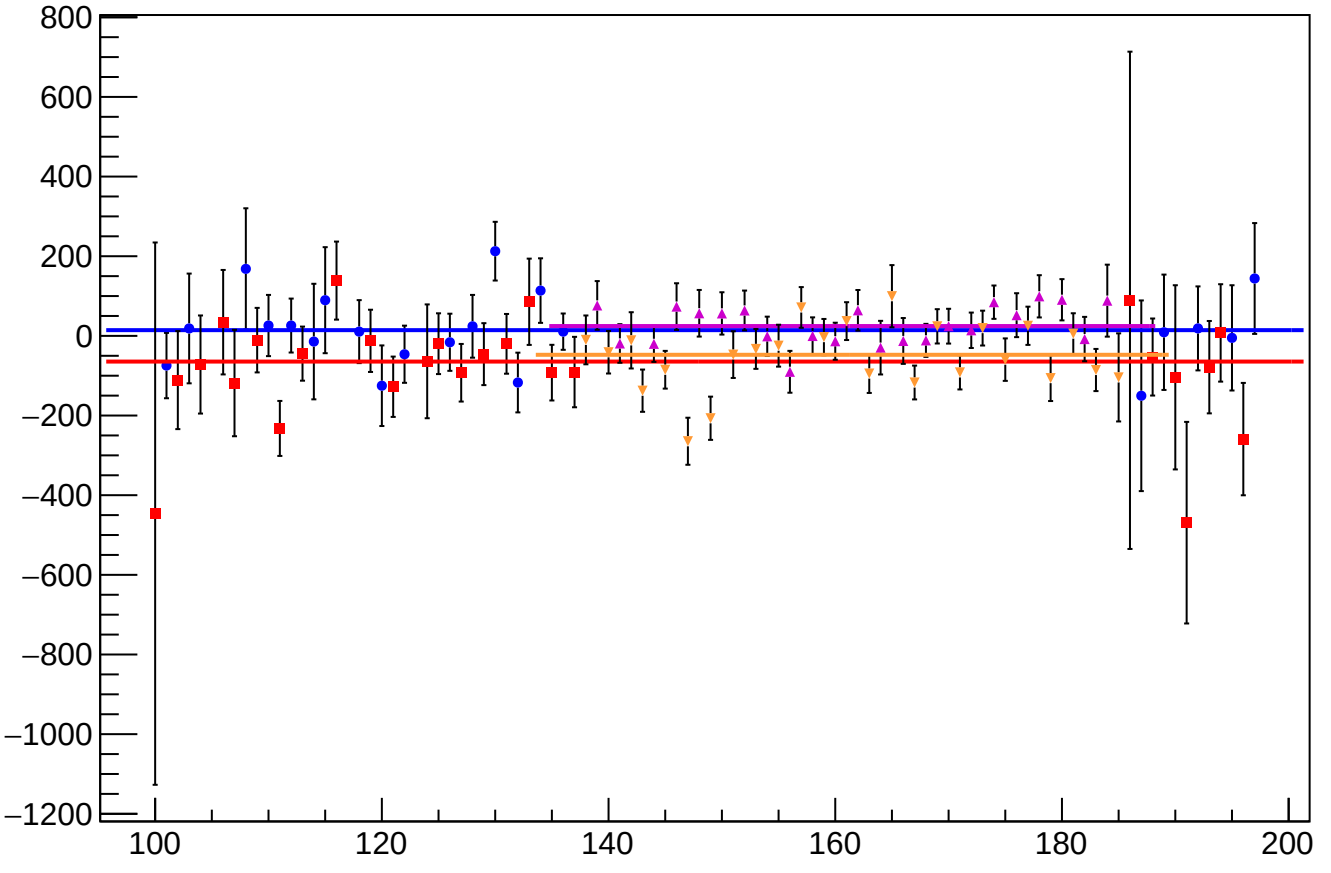
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 330.443+/-0.046 χ^2/NDF: 7530301.0/45

All: 332.836+/-0.033 χ^2/NDF: 15762188.7/94

- sign 335.310+/-0.047 χ^2/NDF: 8226320.2/48

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 14.392+/-18.891 χ^2/NDF: 18.6/20

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -64.502+/-18.974 χ^2/NDF: 21.1/25

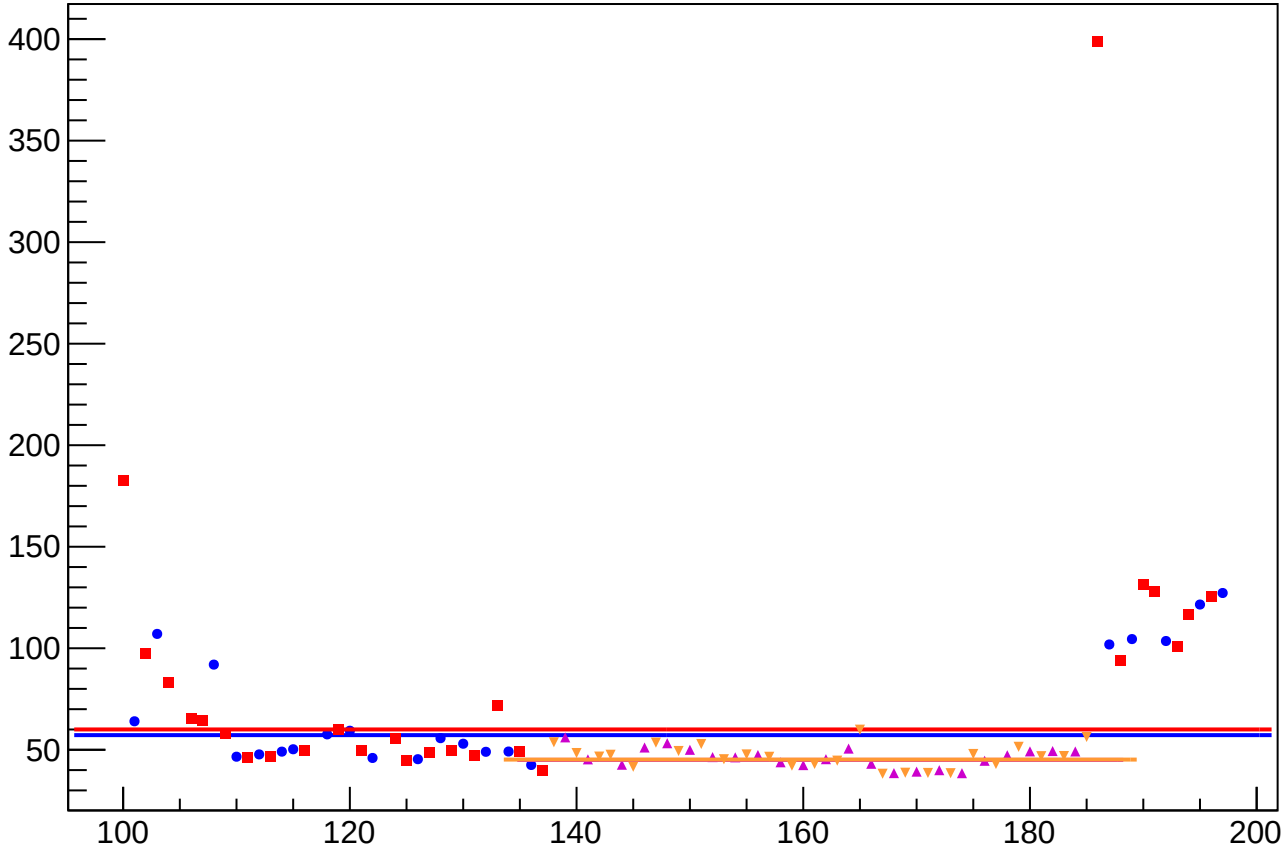
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

\+ sign -33.106+/-9.105 χ^2/NDF: 81.5/45

All: -15.281+/-6.504 χ^2/NDF: 146.9/94

\- sign 3.289+/-9.294 χ^2/NDF: 57.6/48

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 57.220+/-0.013 χ^2/NDF: 2482434.0/20

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

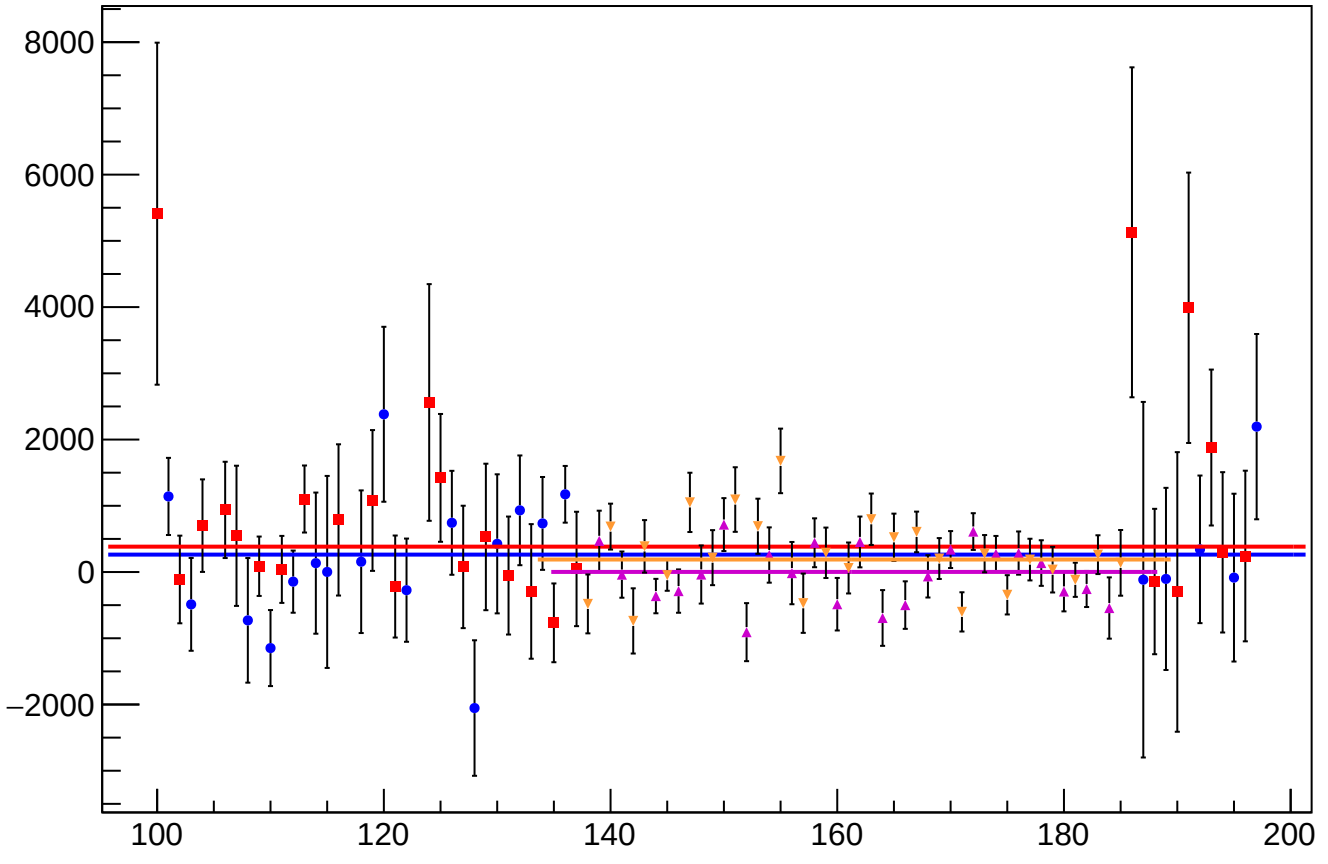
Right Out: 60.020+/-0.013 χ^2/NDF: 3236367.3/25

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 47.973+/-0.006 χ^2/NDF: 3596475.1/45

All: 48.288+/-0.005 χ^2/NDF: 8160831.0/94

- sign 48.617+/-0.007 χ^2/NDF: 4559463.2/48



Right In: 263.070+/-173.618 χ^2/NDF: 27.7/20

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

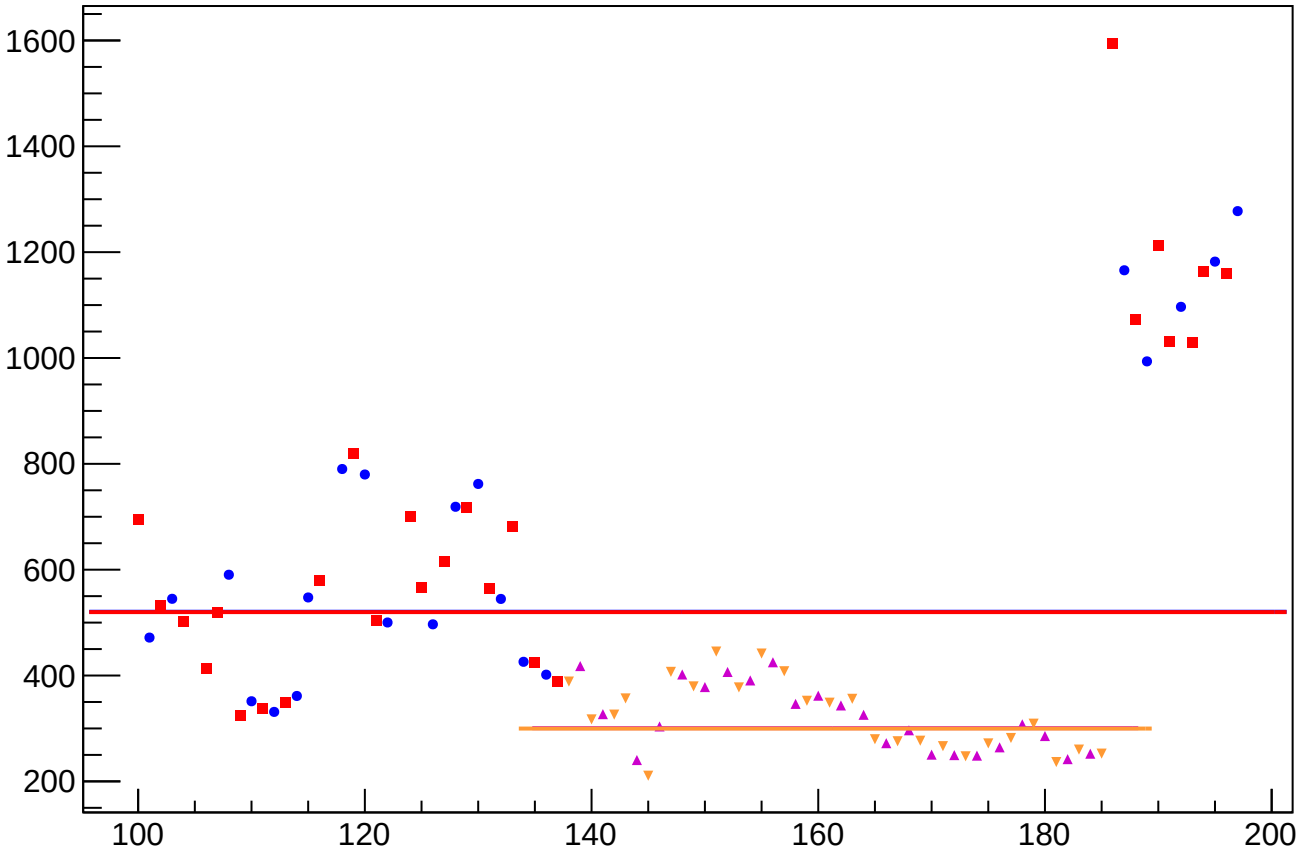
Right Out: 383.209+/-165.221 χ^2/NDF: 25.3/25

Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 199.123+/-64.693 χ^2/NDF: 74.6/45

All: 131.776+/-46.126 χ^2/NDF: 138.8/94

- sign 62.140+/-65.783 χ^2/NDF: 62.0/48



Right In: 520.509+/-0.123 χ^2/NDF: 3169531.7/20

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

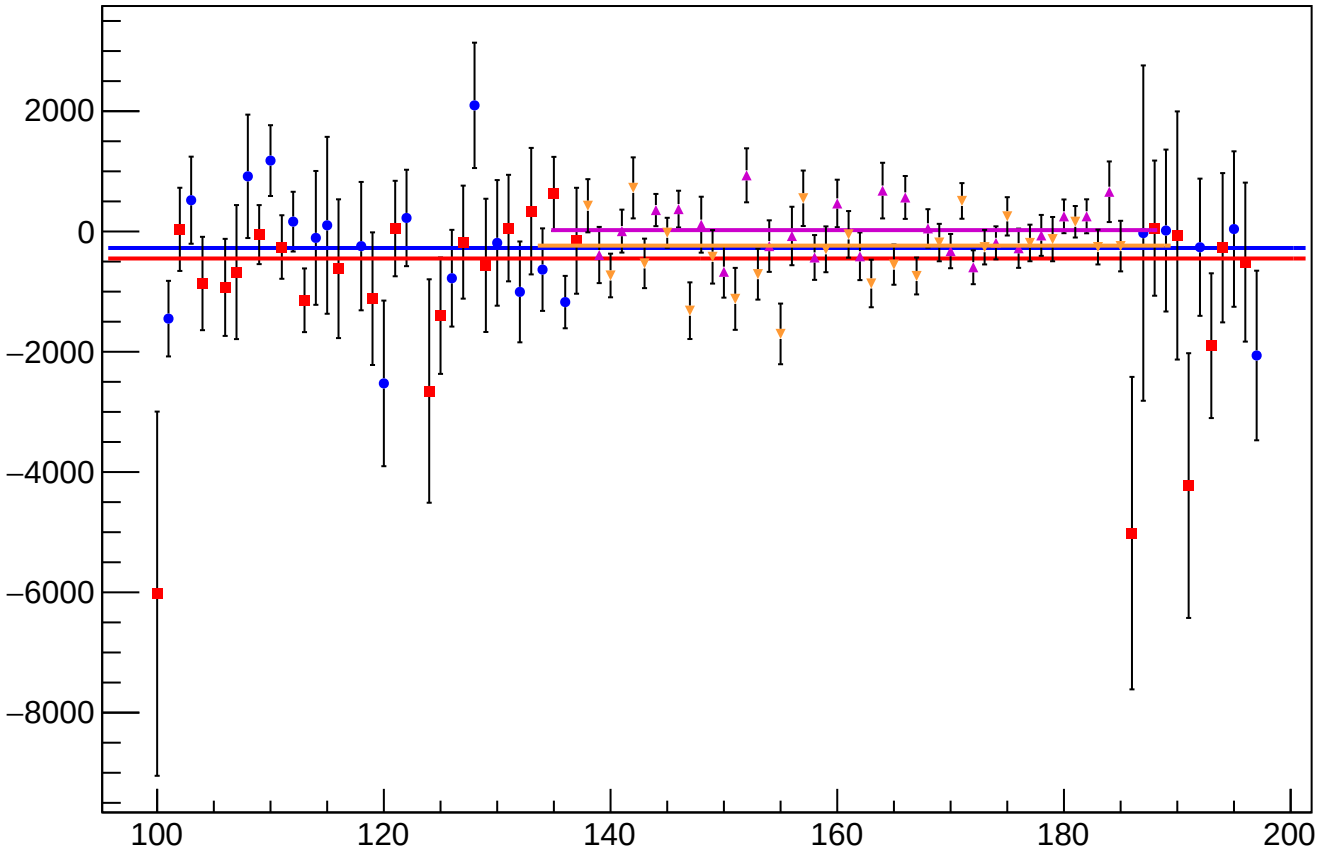
Right Out: 519.856+/-0.117 χ^2/NDF: 4001777.8/25

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 330.443+/-0.046 χ^2/NDF: 7530286.0/45

All: 332.836+/-0.033 χ^2/NDF: 15762142.3/94

- sign 335.311+/-0.047 χ^2/NDF: 8226288.4/48



Right In: -274.441+/-178.706 χ^2/NDF: 28.7/20

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -449.157+/-173.128 χ^2/NDF: 22.1/25

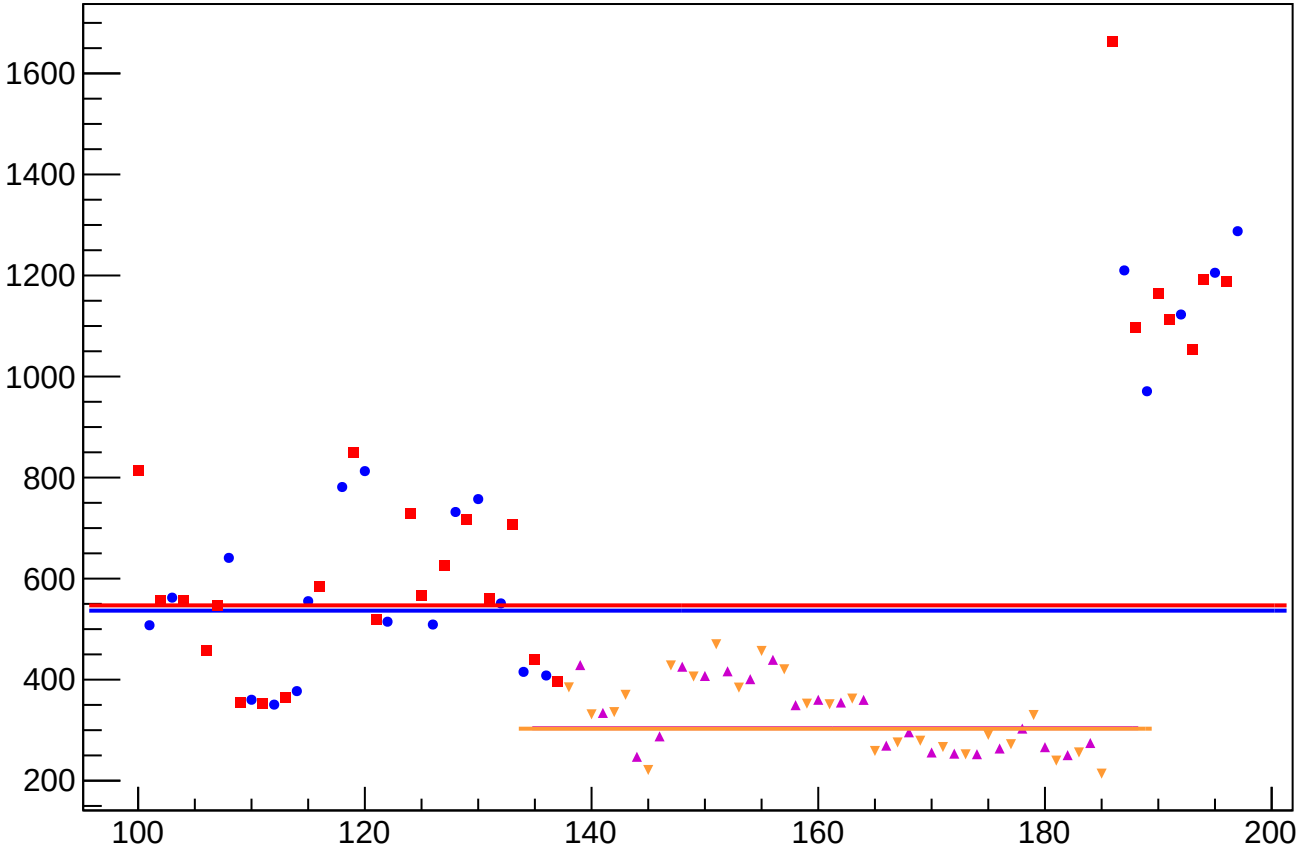
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -240.488+/-65.775 χ^2/NDF: 76.2/45

All: -145.982+/-46.932 χ^2/NDF: 138.6/94

- sign -47.968+/-66.985 χ^2/NDF: 58.3/48

asym_sam_15_37_dd_rms vs Slug



Right In: 536.576+/-0.126 χ^2/NDF: 3070776.9/20

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

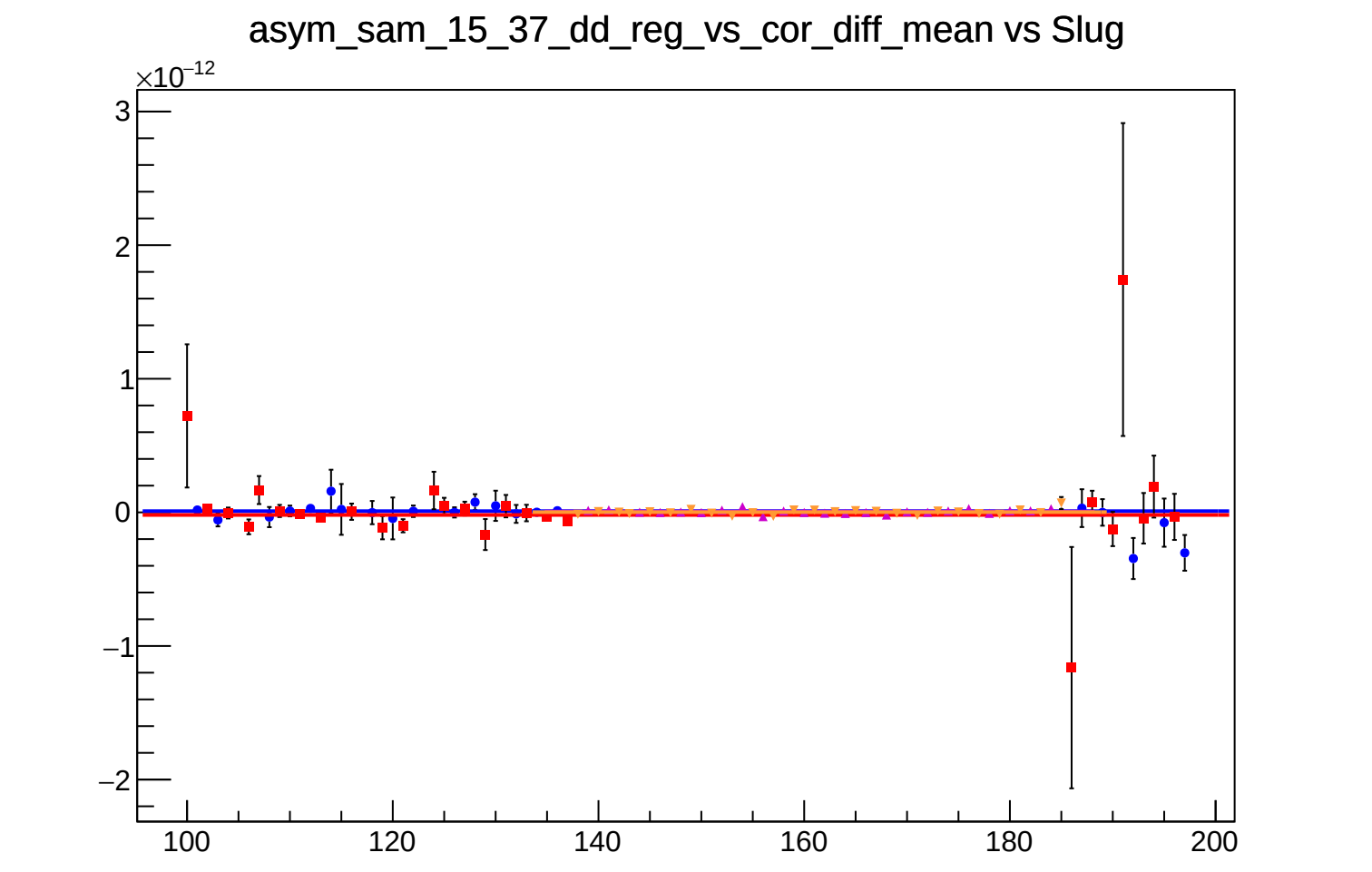
Right Out: 547.029+/-0.122 χ^2/NDF: 3785239.7/25

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 334.594+/-0.047 χ^2/NDF: 7792096.8/45

All: 337.403+/-0.033 χ^2/NDF: 16314240.1/94

- sign 340.316+/-0.047 χ^2/NDF: 8514714.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

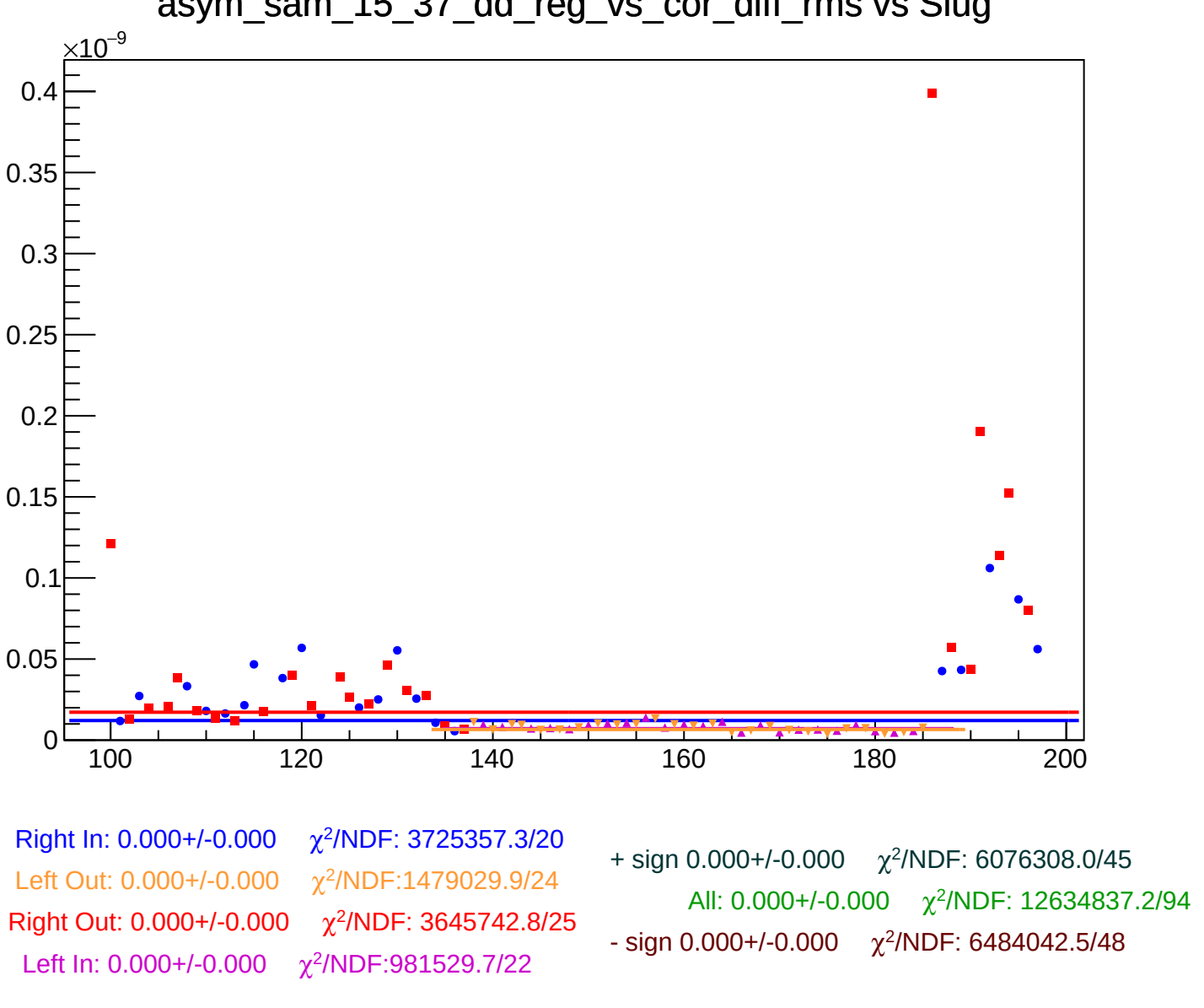
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/25

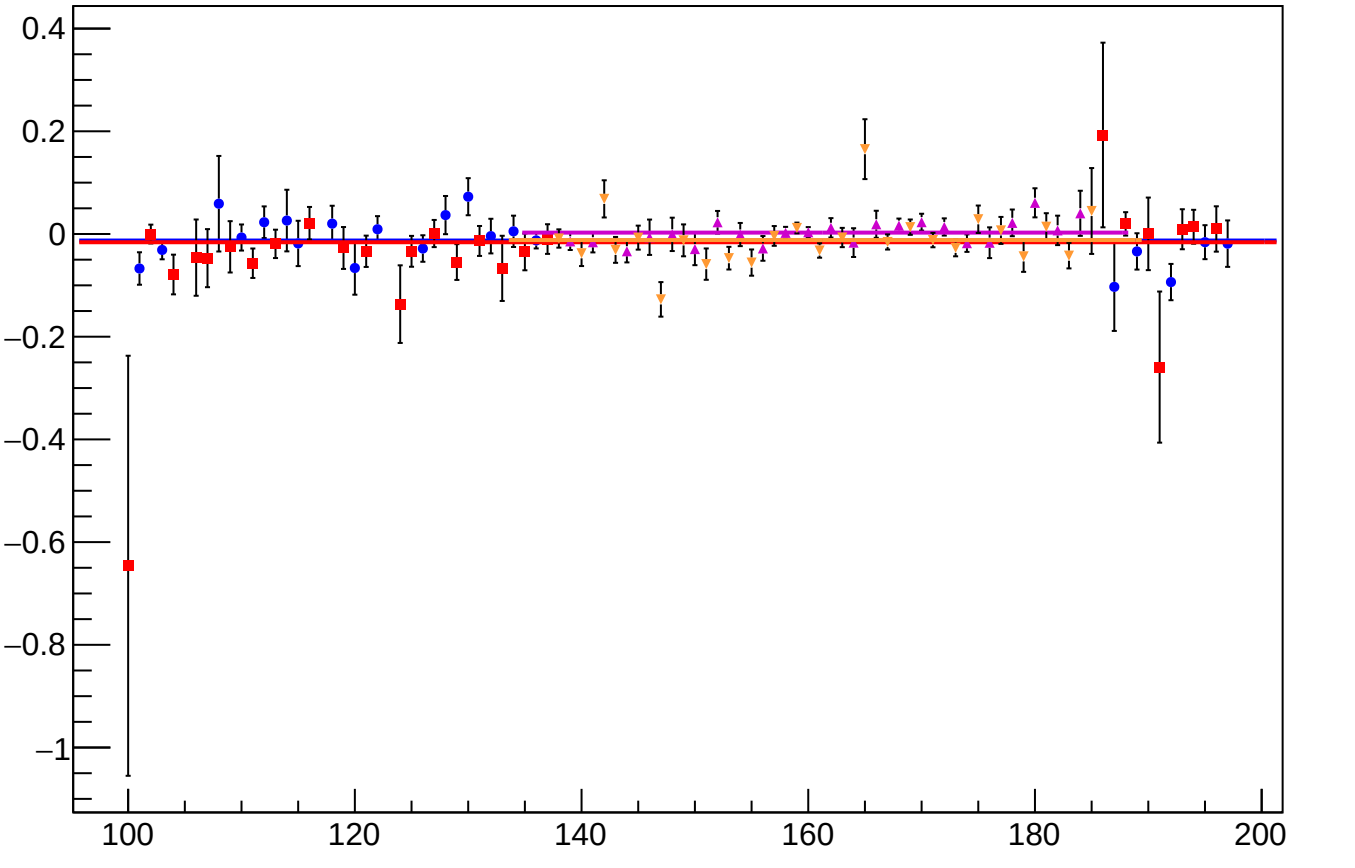
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/45

All: 0.000+/-0.000 χ^2/NDF: 95.0/94

- sign 0.000+/-0.000 χ^2/NDF: 54.6/48


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 3725357.3/20
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 3645742.8/25
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
+ sign 0.000+/-0.000 χ²/NDF: 6076308.0/45
All: 0.000+/-0.000 χ²/NDF: 12634837.2/94
- sign 0.000+/-0.000 χ²/NDF: 6484042.5/48



Right In: -0.013+/-0.007 χ^2/NDF: 24.0/20

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.016+/-0.007 χ^2/NDF: 23.8/25

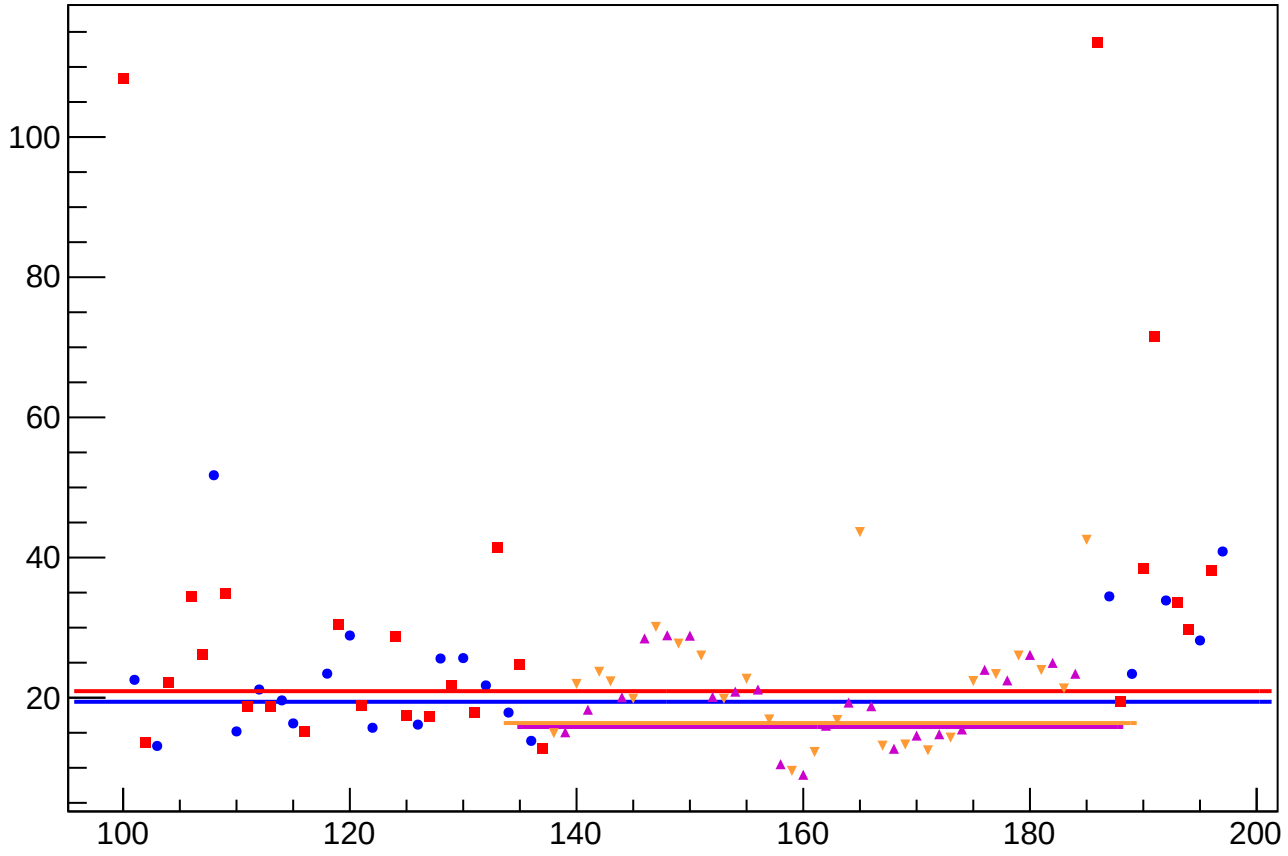
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/45

All: -0.007+/-0.002 χ^2/NDF: 130.5/94

- sign -0.002+/-0.003 χ^2/NDF: 49.0/48

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.421+/-0.005 χ^2/NDF: 2133507.5/20

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

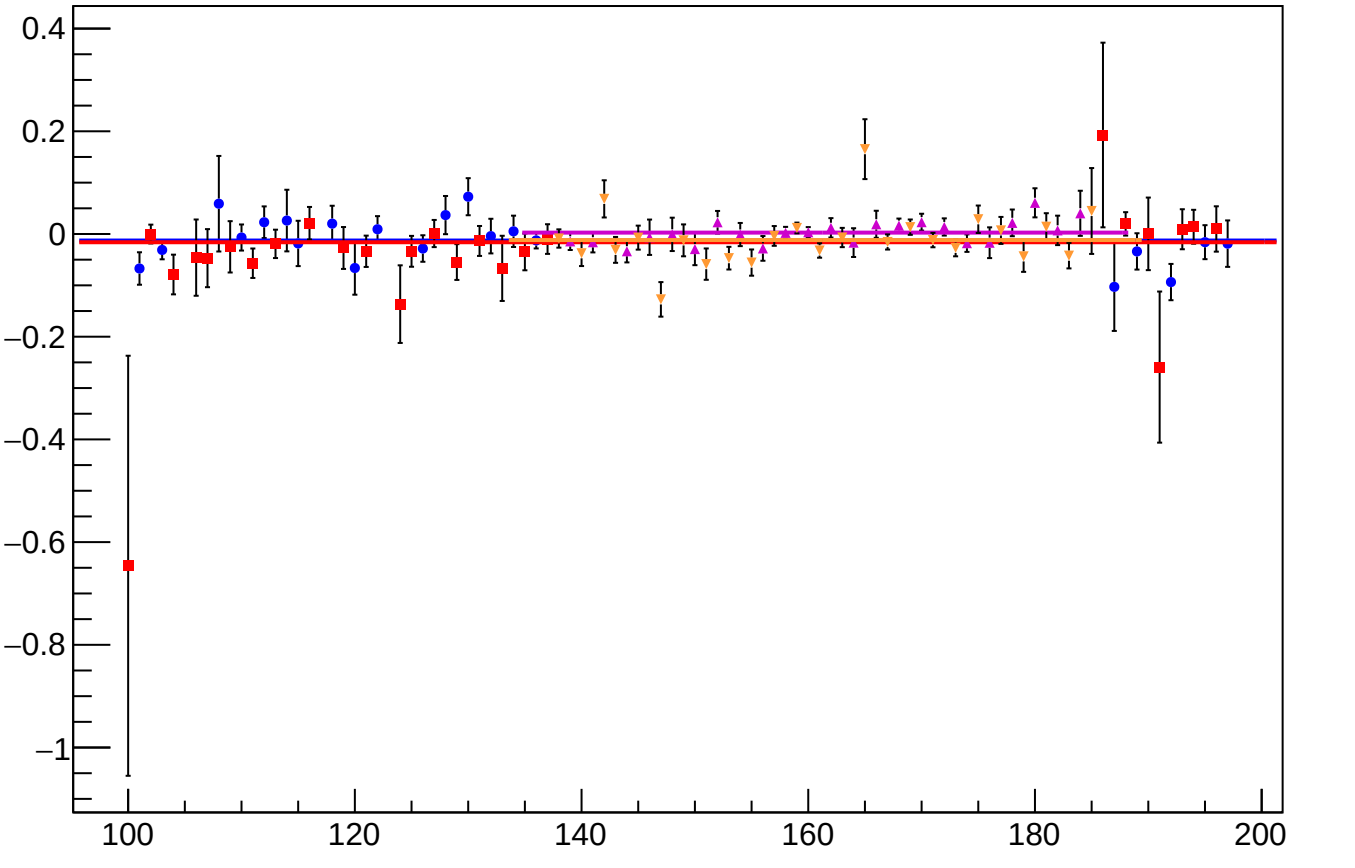
Right Out: 20.938+/-0.005 χ^2/NDF: 2916671.0/25

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 17.208+/-0.002 χ^2/NDF: 6464569.1/45

All: 17.168+/-0.002 χ^2/NDF: 13853578.0/94

\- sign 17.128+/-0.002 χ^2/NDF: 7388479.0/48



Right In: -0.013+/-0.007 χ^2/NDF: 24.0/20

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

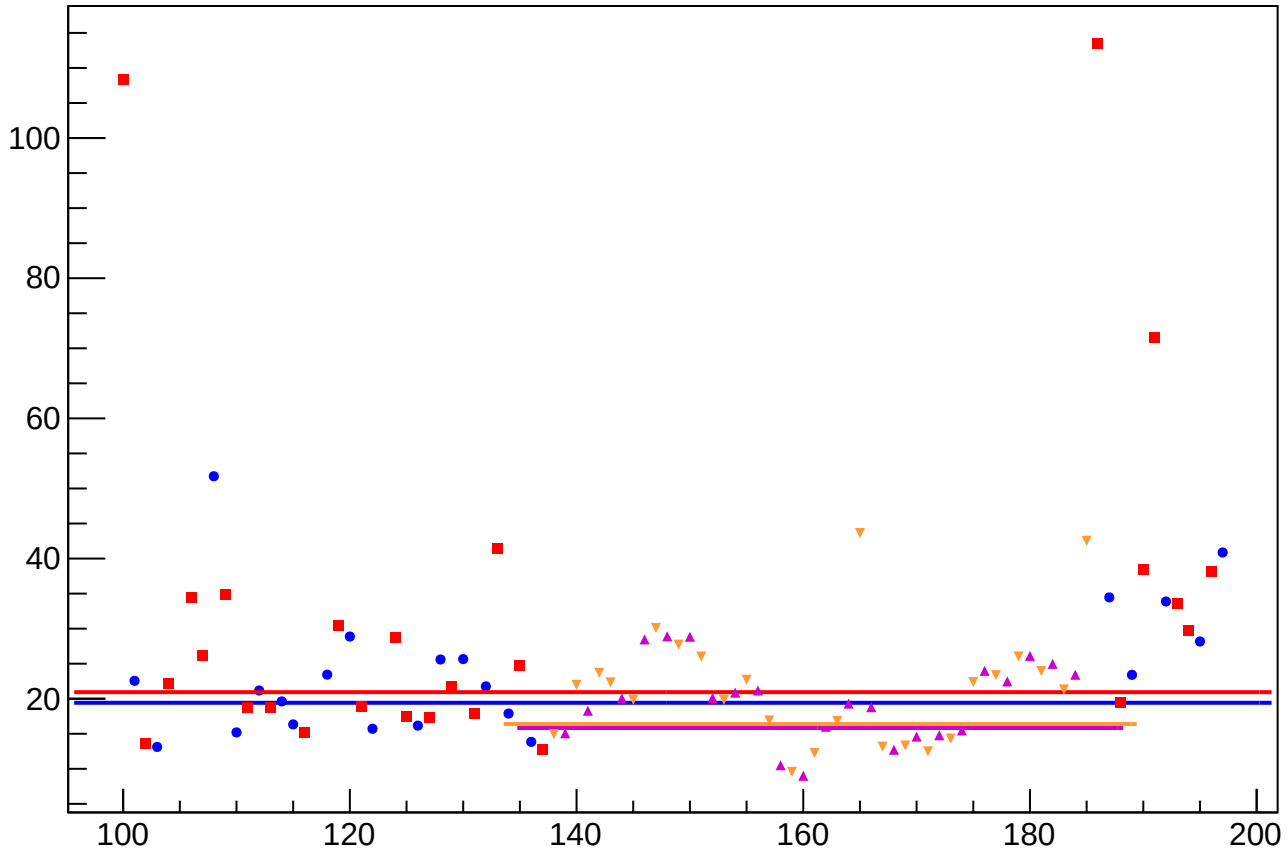
Right Out: -0.016+/-0.007 χ^2/NDF: 23.8/25

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/45

All: -0.007+/-0.002 χ^2/NDF: 130.5/94

- sign -0.002+/-0.003 χ^2/NDF: 49.0/48



Right In: 19.421+/-0.005 χ^2/NDF: 2133507.5/20

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

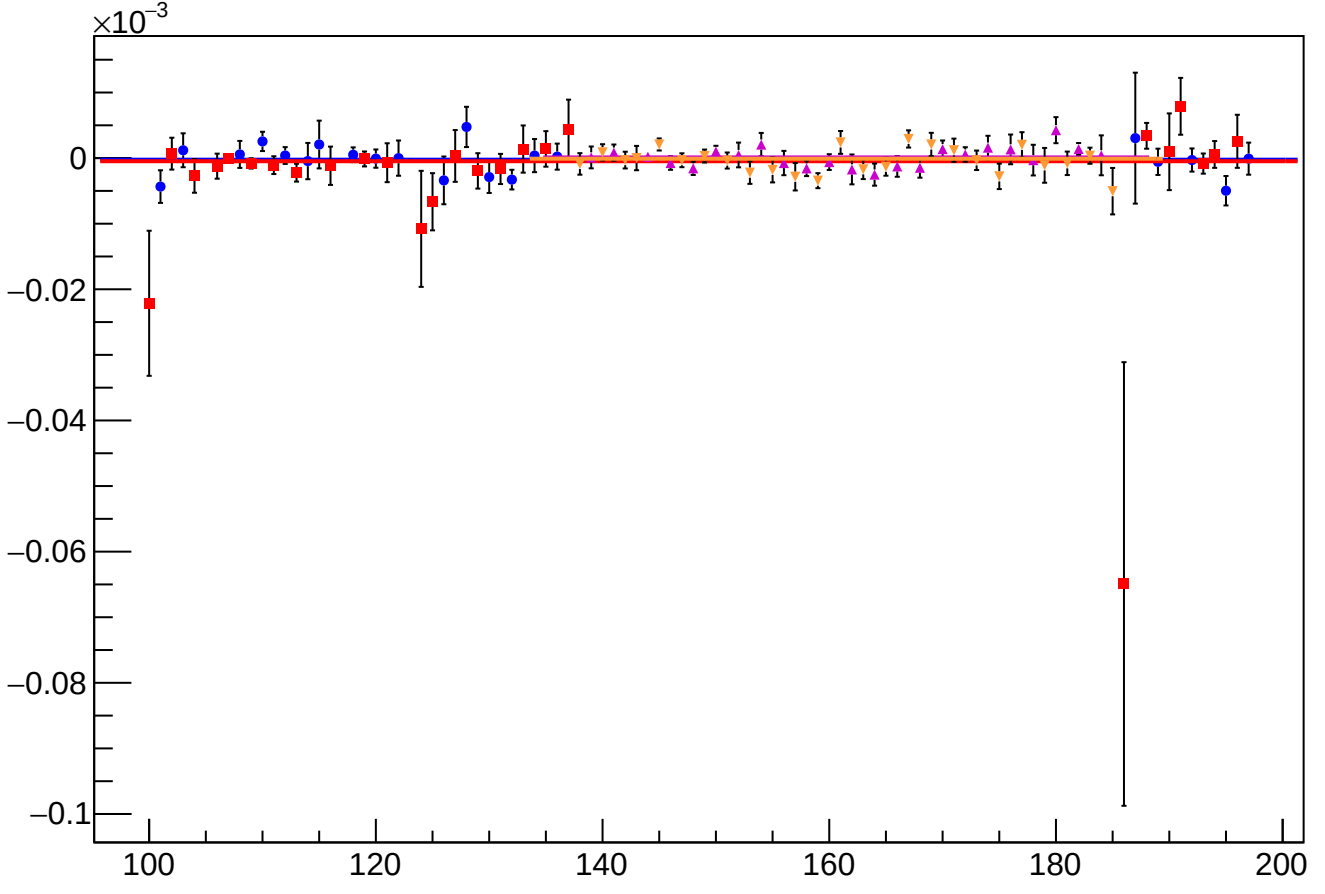
Right Out: 20.938+/-0.005 χ^2/NDF: 2916671.0/25

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 17.208+/-0.002 χ^2/NDF: 6464569.1/45

All: 17.168+/-0.002 χ^2/NDF: 13853578.0/94

\- sign 17.128+/-0.002 χ^2/NDF: 7388479.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/20

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/25

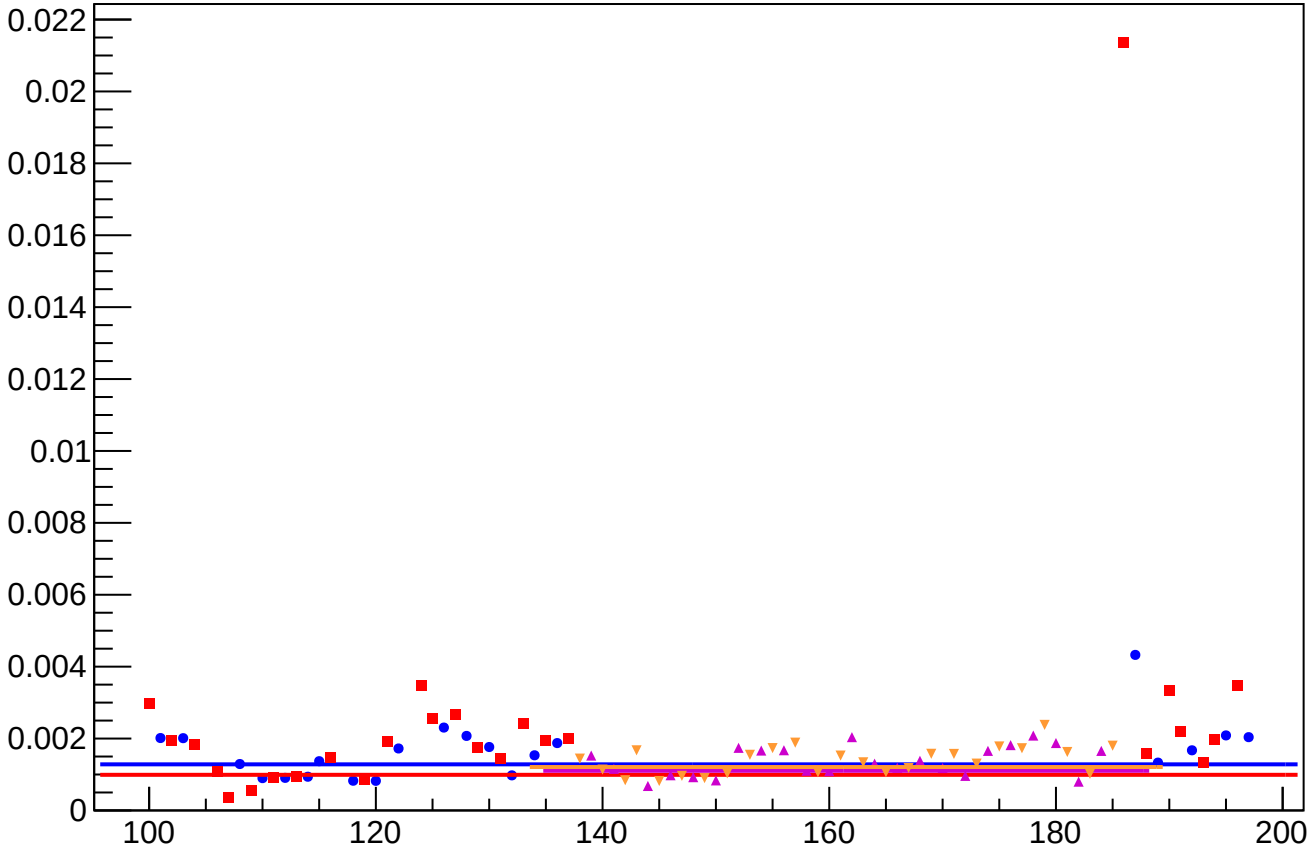
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/45

All: -0.000+/-0.000 χ^2/NDF: 106.6/94

- sign -0.000+/-0.000 χ^2/NDF: 49.1/48

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2654503.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

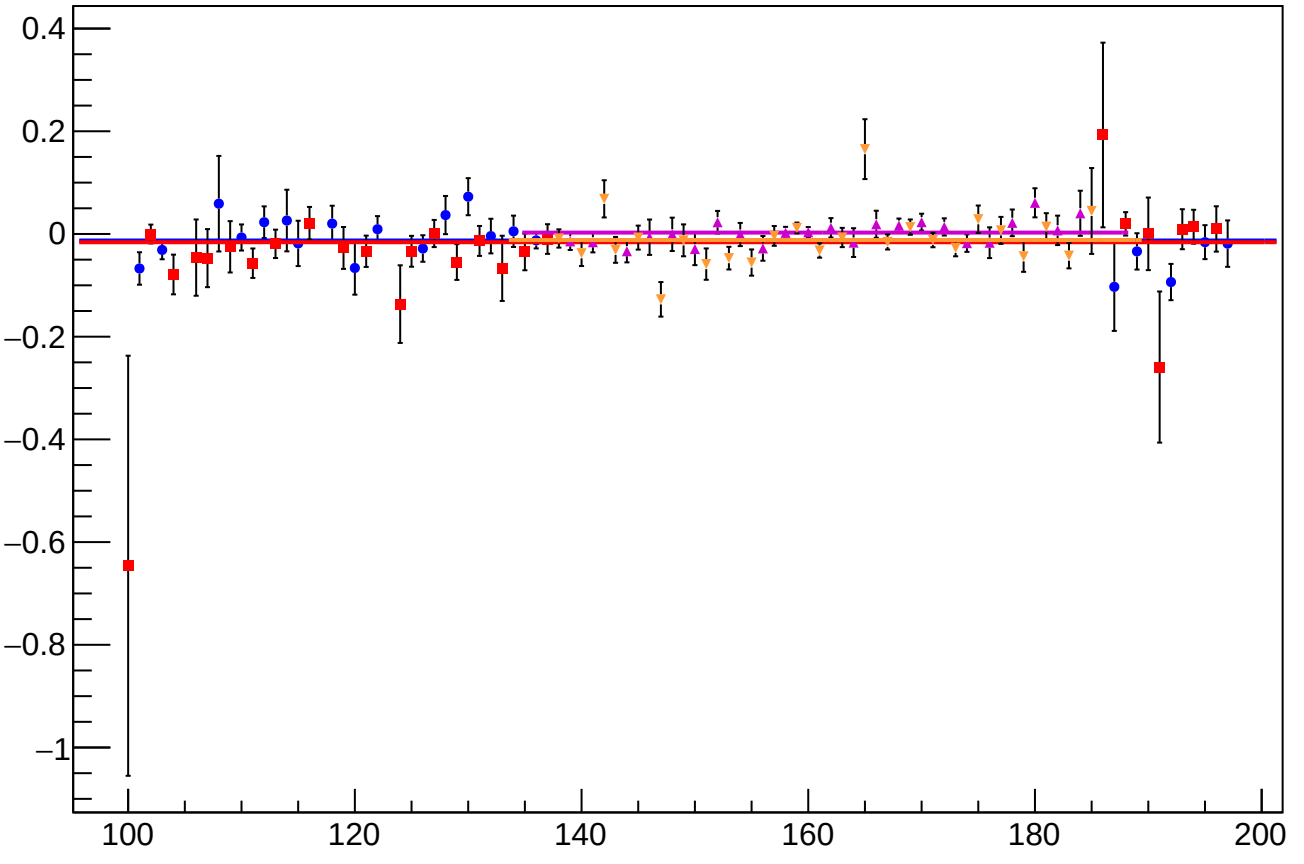
Right Out: 0.001+/-0.000 χ^2/NDF: 7339083.2/25

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 5417341.8/45

All: 0.001+/-0.000 χ^2/NDF: 16927037.7/94

- sign 0.001+/-0.000 χ^2/NDF: 10960998.3/48



Right In: -0.013+/-0.007 χ^2/NDF: 24.0/20

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

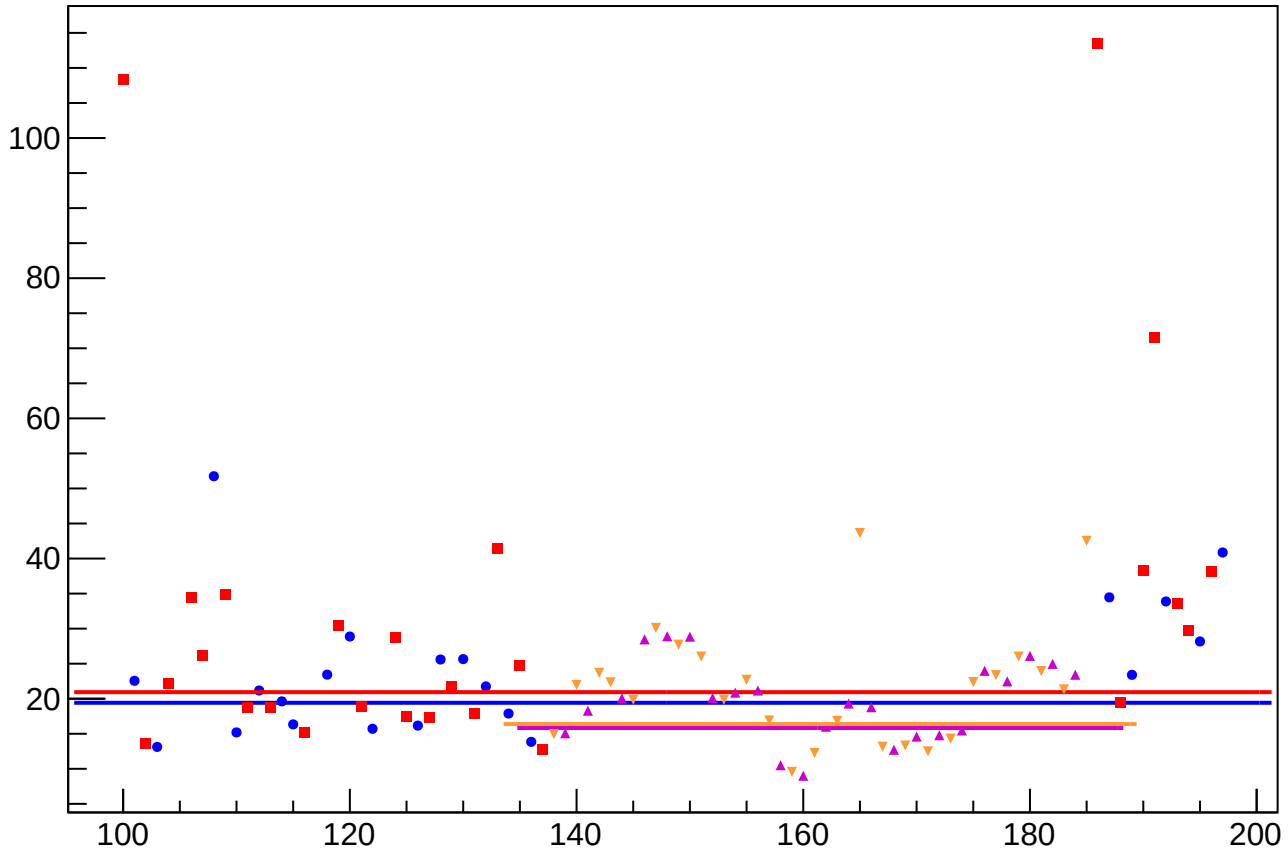
Right Out: -0.016+/-0.007 χ^2/NDF: 23.8/25

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/45

All: -0.007+/-0.002 χ^2/NDF: 130.5/94

- sign -0.002+/-0.003 χ^2/NDF: 49.0/48



Right In: 19.421+/-0.005 χ^2/NDF: 2133515.6/20

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

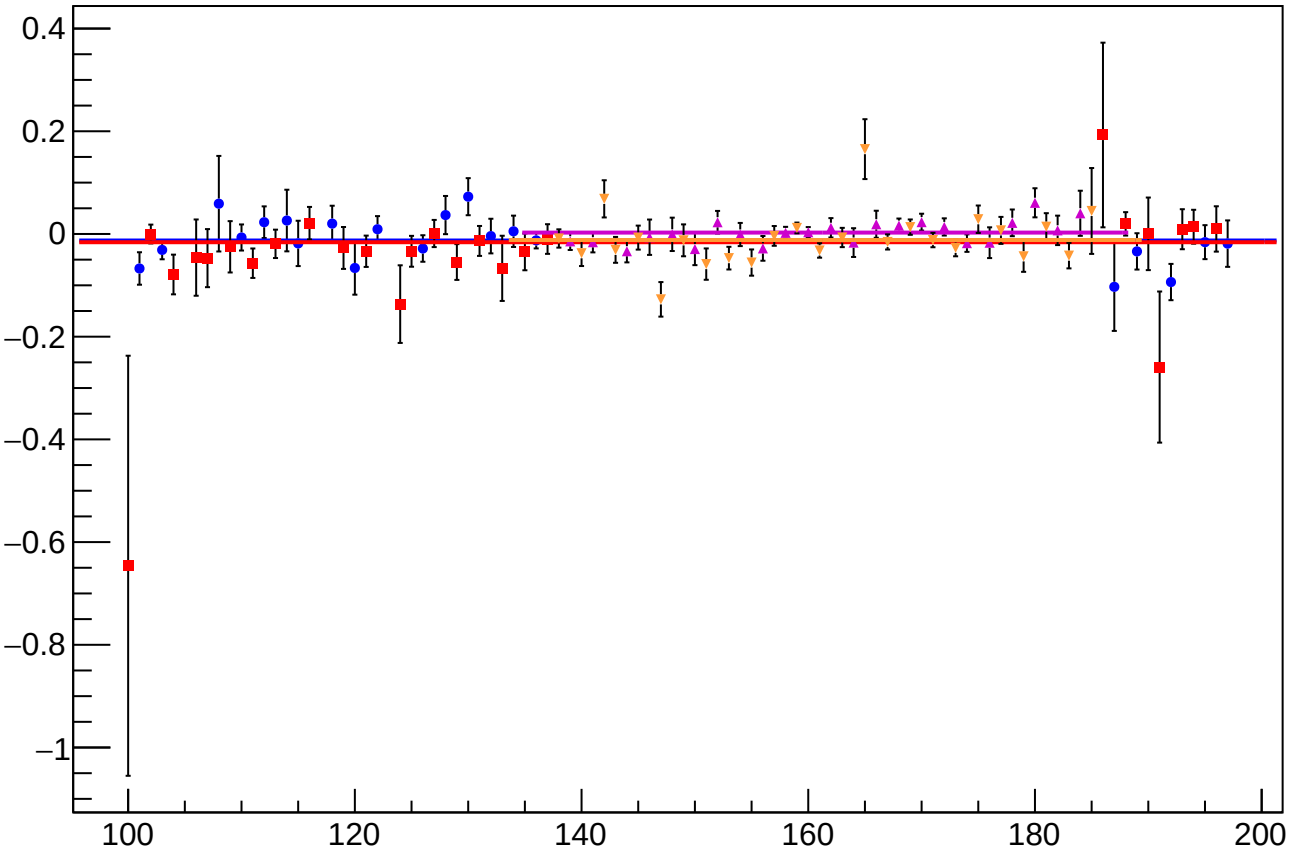
Right Out: 20.939+/-0.005 χ^2/NDF: 2916458.3/25

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.208+/-0.002 χ^2/NDF: 6464877.2/45

All: 17.168+/-0.002 χ^2/NDF: 13854267.6/94

- sign 17.128+/-0.002 χ^2/NDF: 7388860.9/48



Right In: -0.013+/-0.007 χ^2/NDF: 24.0/20

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

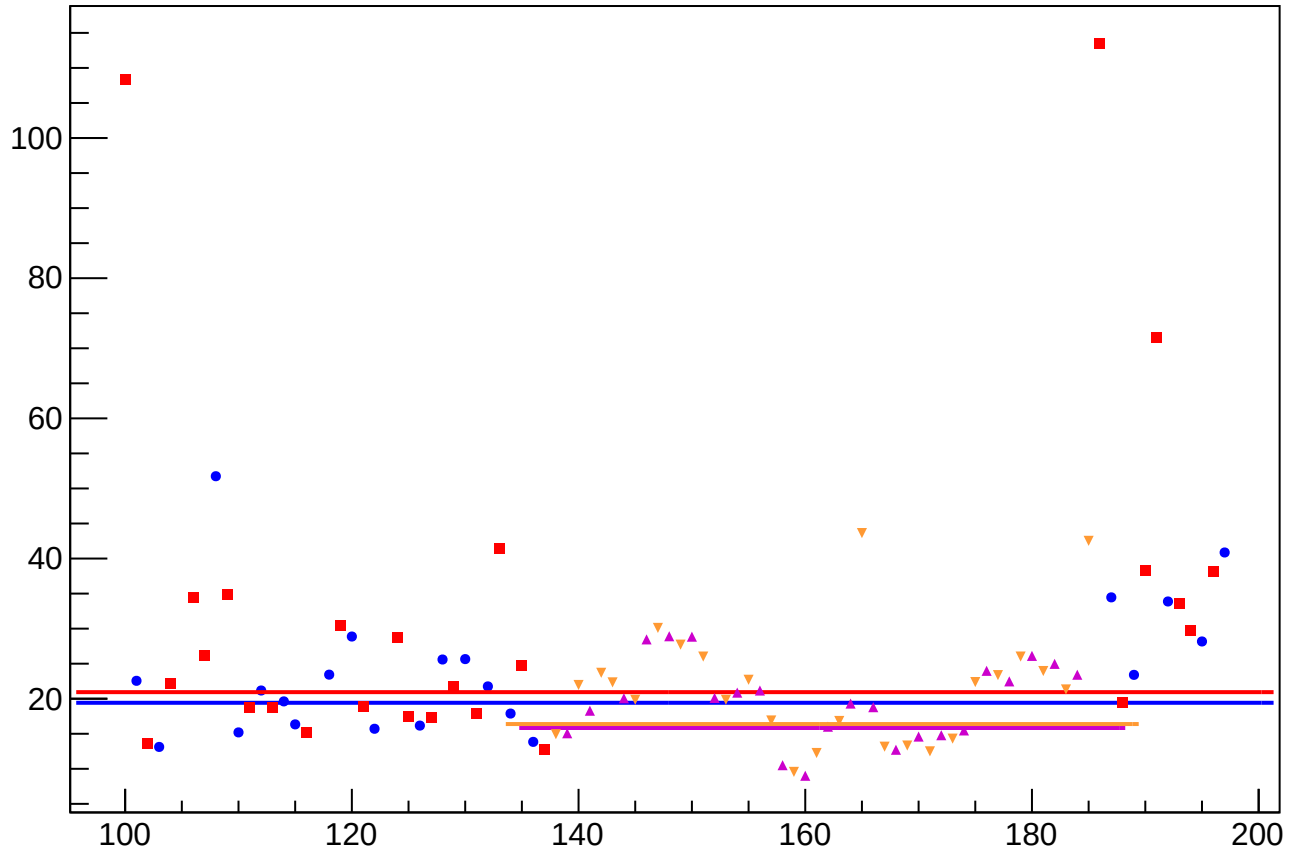
Right Out: -0.016+/-0.007 χ^2/NDF: 23.8/25

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 77.4/45

All: -0.007+/-0.002 χ^2/NDF: 130.5/94

- sign -0.002+/-0.003 χ^2/NDF: 49.0/48



Right In: 19.421+/-0.005 χ^2/NDF: 2133515.6/20

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

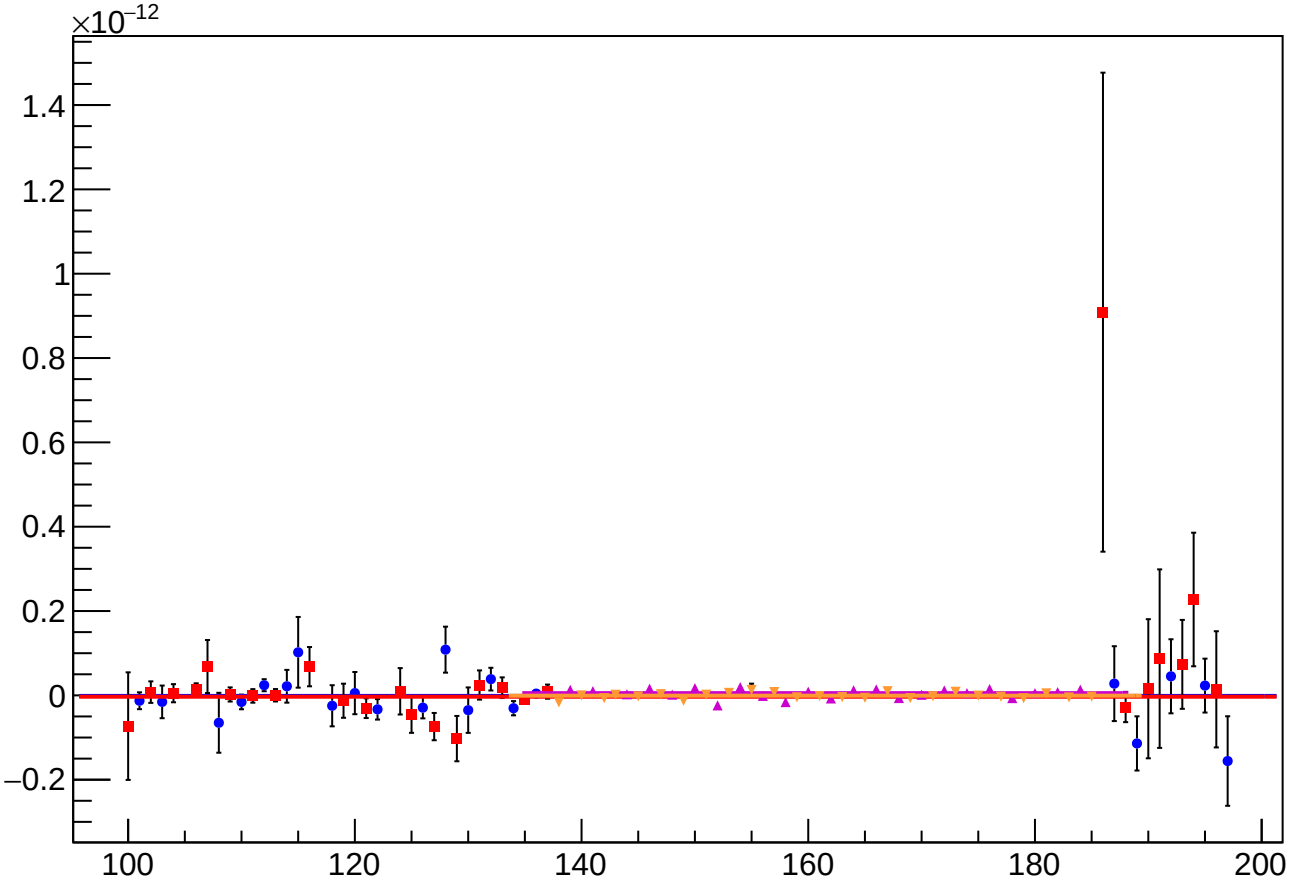
Right Out: 20.939+/-0.005 χ^2/NDF: 2916458.3/25

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.208+/-0.002 χ^2/NDF: 6464877.2/45

All: 17.168+/-0.002 χ^2/NDF: 13854267.6/94

- sign 17.128+/-0.002 χ^2/NDF: 7388860.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

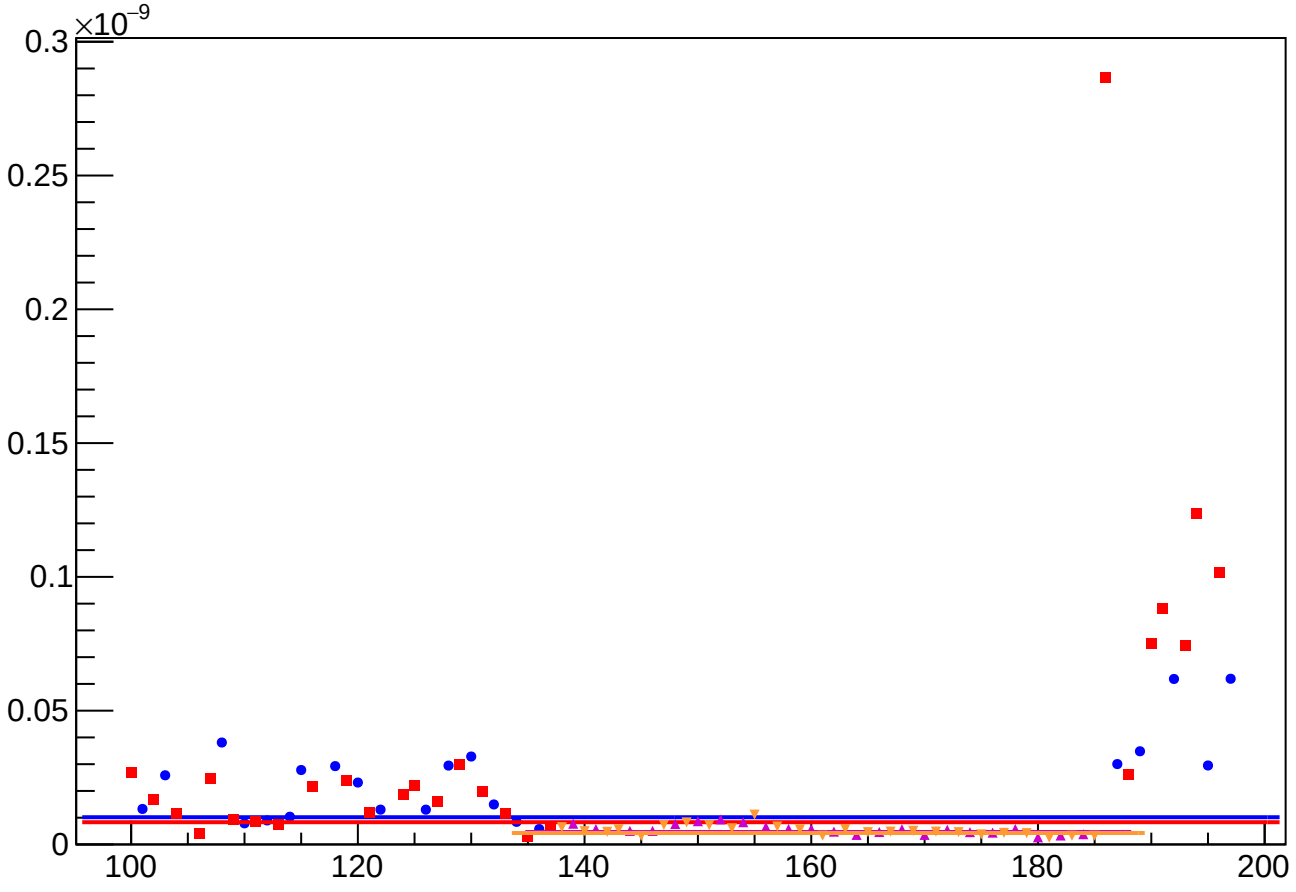
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/25

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

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/45

All: 0.000+/-0.000 χ^2/NDF: 119.9/94

- sign 0.000+/-0.000 χ^2/NDF: 66.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 4408675.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7476354.0/25

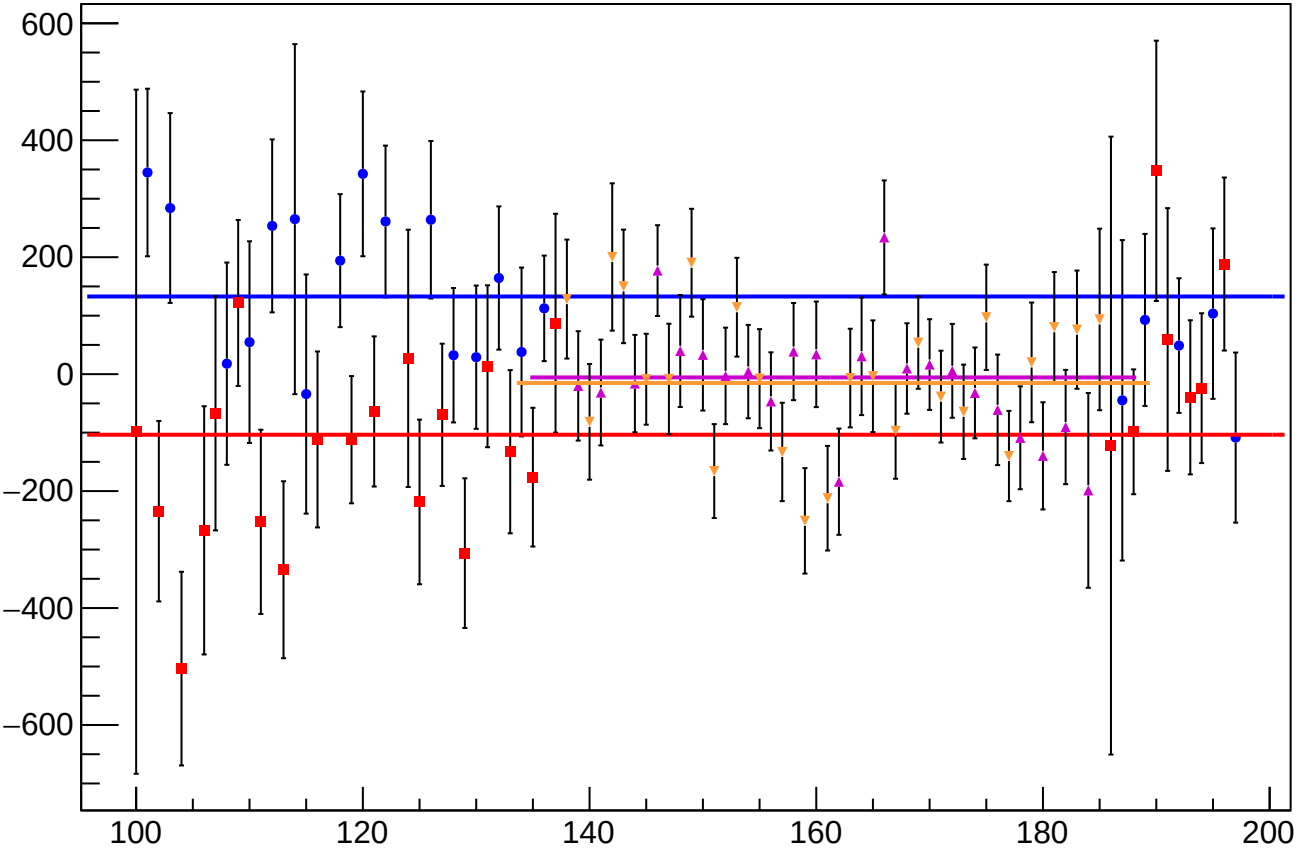
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9586561.3/45

All: 0.000+/-0.000 χ^2/NDF: 20879371.7/94

- sign 0.000+/-0.000 χ^2/NDF: 11220873.0/48

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 132.778+/-30.347 χ^2/NDF: 15.5/20

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -103.633+/-29.490 χ^2/NDF: 28.0/25

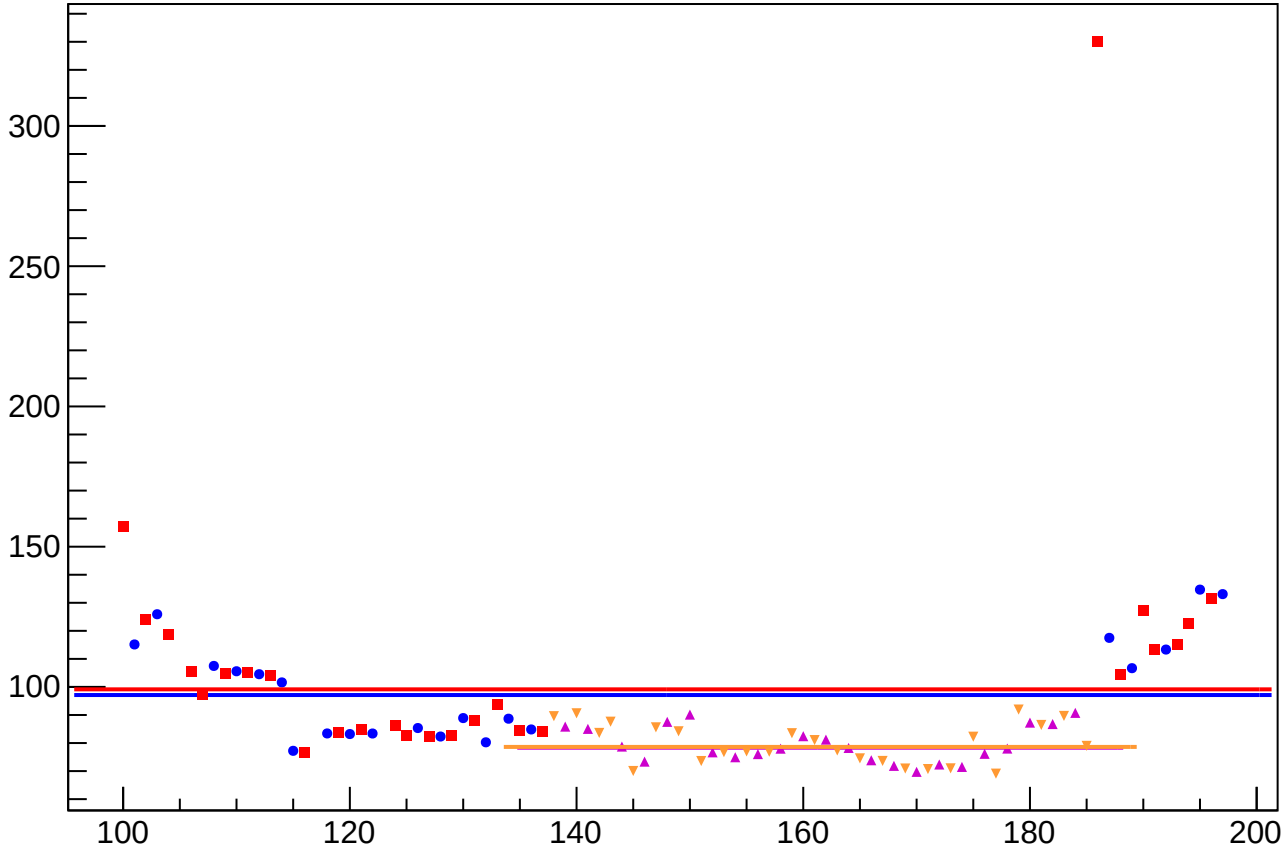
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 23.250+/-15.454 χ^2/NDF: 74.8/45

All: -4.637+/-10.979 χ^2/NDF: 140.2/94

- sign -33.052+/-15.599 χ^2/NDF: 58.9/48

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 97.116+/-0.021 χ^2/NDF: 655607.8/20

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

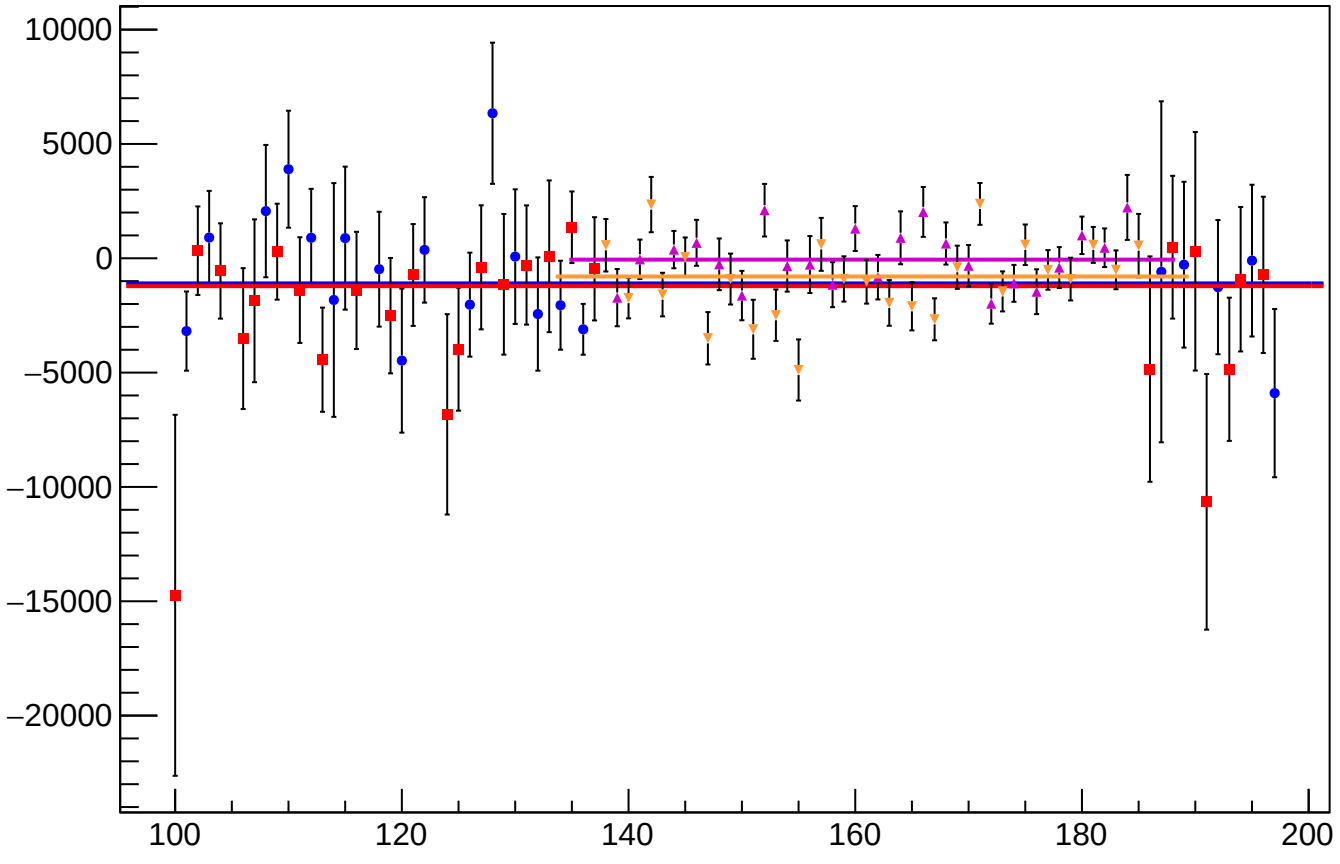
Right Out: 99.145+/-0.021 χ^2/NDF: 1006172.9/25

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 83.415+/-0.011 χ^2/NDF: 1513210.2/45

All: 83.783+/-0.008 χ^2/NDF: 3448107.5/94

- sign 84.157+/-0.011 χ^2/NDF: 1932612.9/48



Right In: -1099.075+/-521.426 χ^2/NDF: 22.1/20

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1219.384+/-527.798 χ^2/NDF: 18.1/25

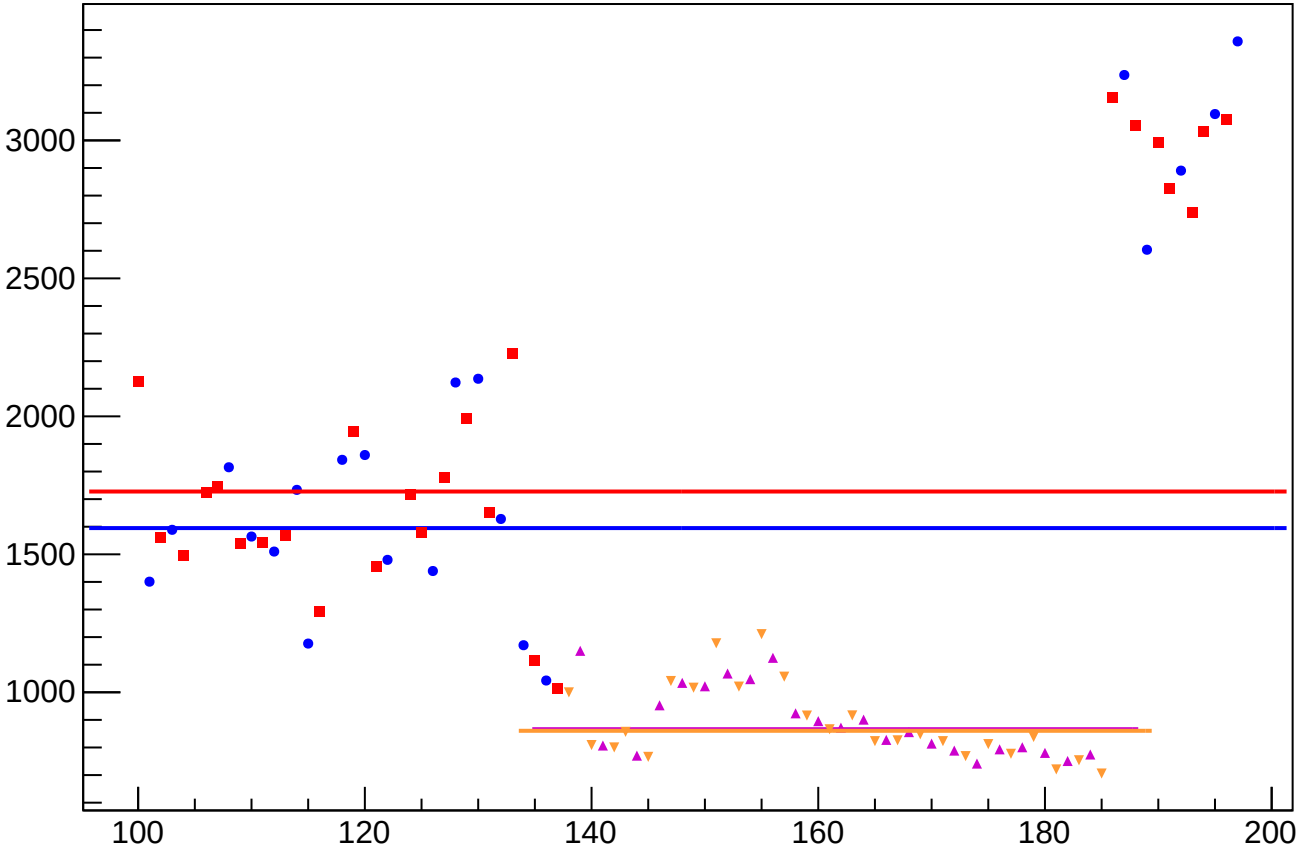
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -835.029+/-185.009 χ^2/NDF: 81.9/45

All: -532.268+/-132.766 χ^2/NDF: 140.2/94

- sign -210.812+/-190.636 χ^2/NDF: 52.8/48

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1595.088+/-0.369 χ^2/NDF: 2351002.5/20

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1727.594+/-0.373 χ^2/NDF: 2343961.4/25

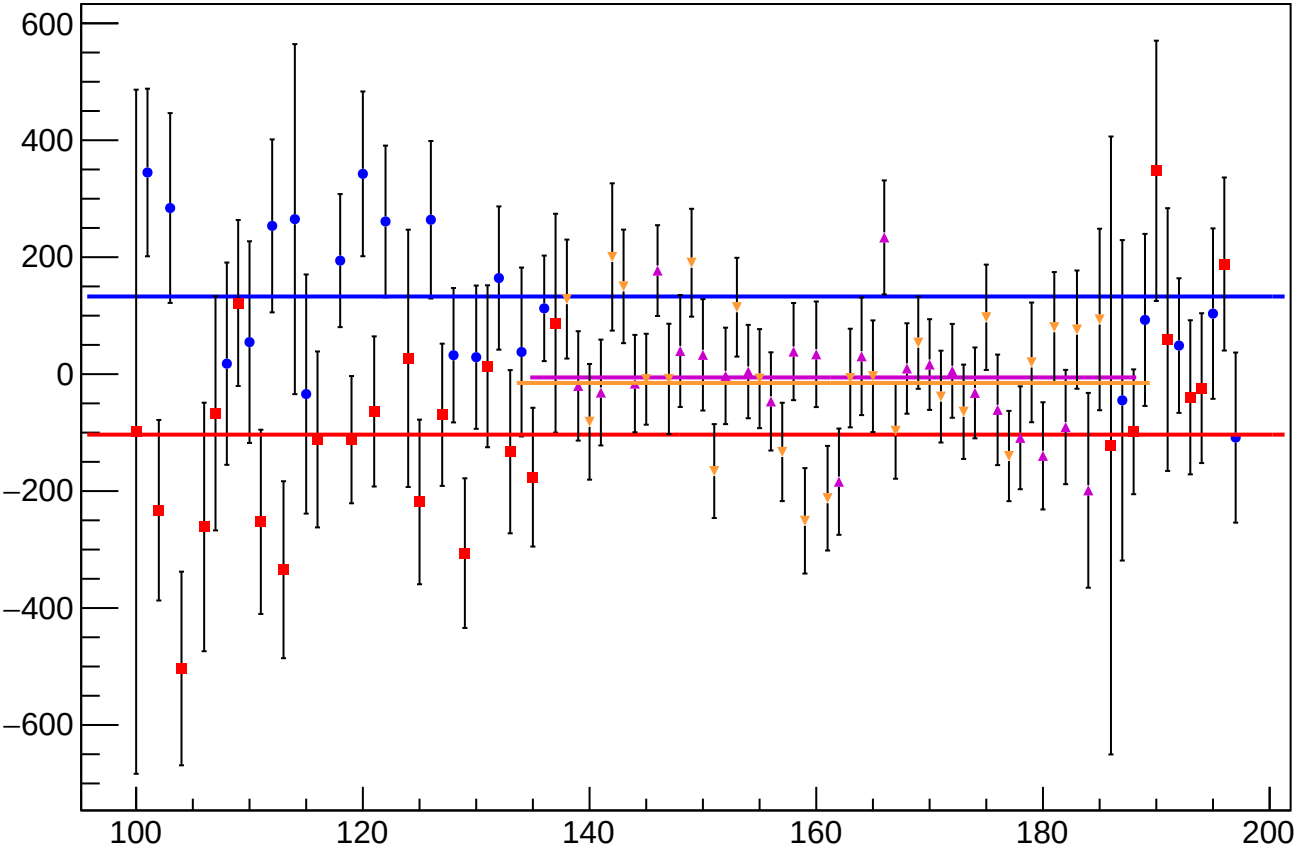
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 952.972+/-0.131 χ^2/NDF: 6520072.9/45

All: 965.455+/-0.094 χ^2/NDF: 14126646.9/94

- sign 978.708+/-0.135 χ^2/NDF: 7587803.6/48

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 132.775+/-30.347 χ^2/NDF: 15.5/20

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -103.439+/-29.492 χ^2/NDF: 27.9/25

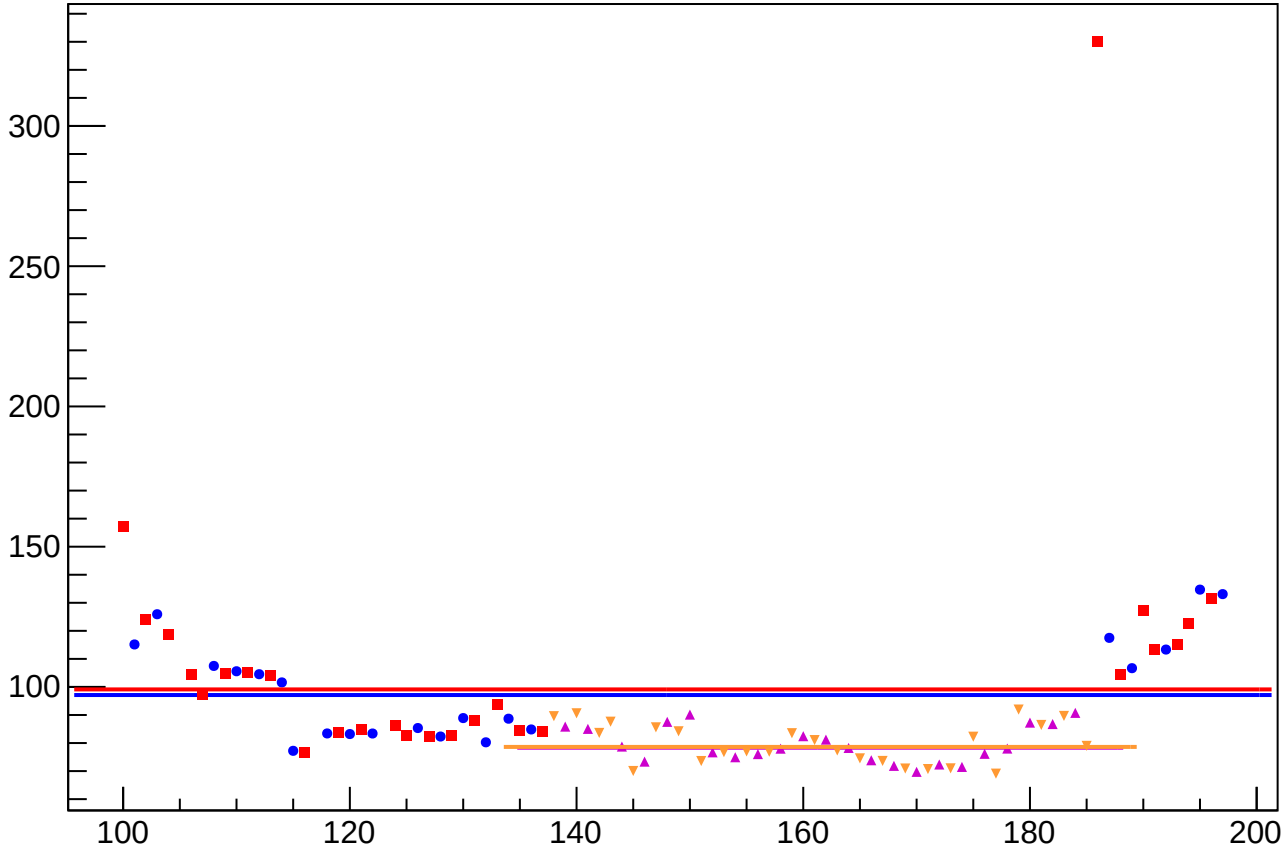
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

\+ sign 23.251+/-15.454 χ^2/NDF: 74.8/45

All: -4.608+/-10.979 χ^2/NDF: 140.1/94

\- sign -32.993+/-15.600 χ^2/NDF: 58.8/48

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 97.116+/-0.021 χ^2/NDF: 655609.3/20

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

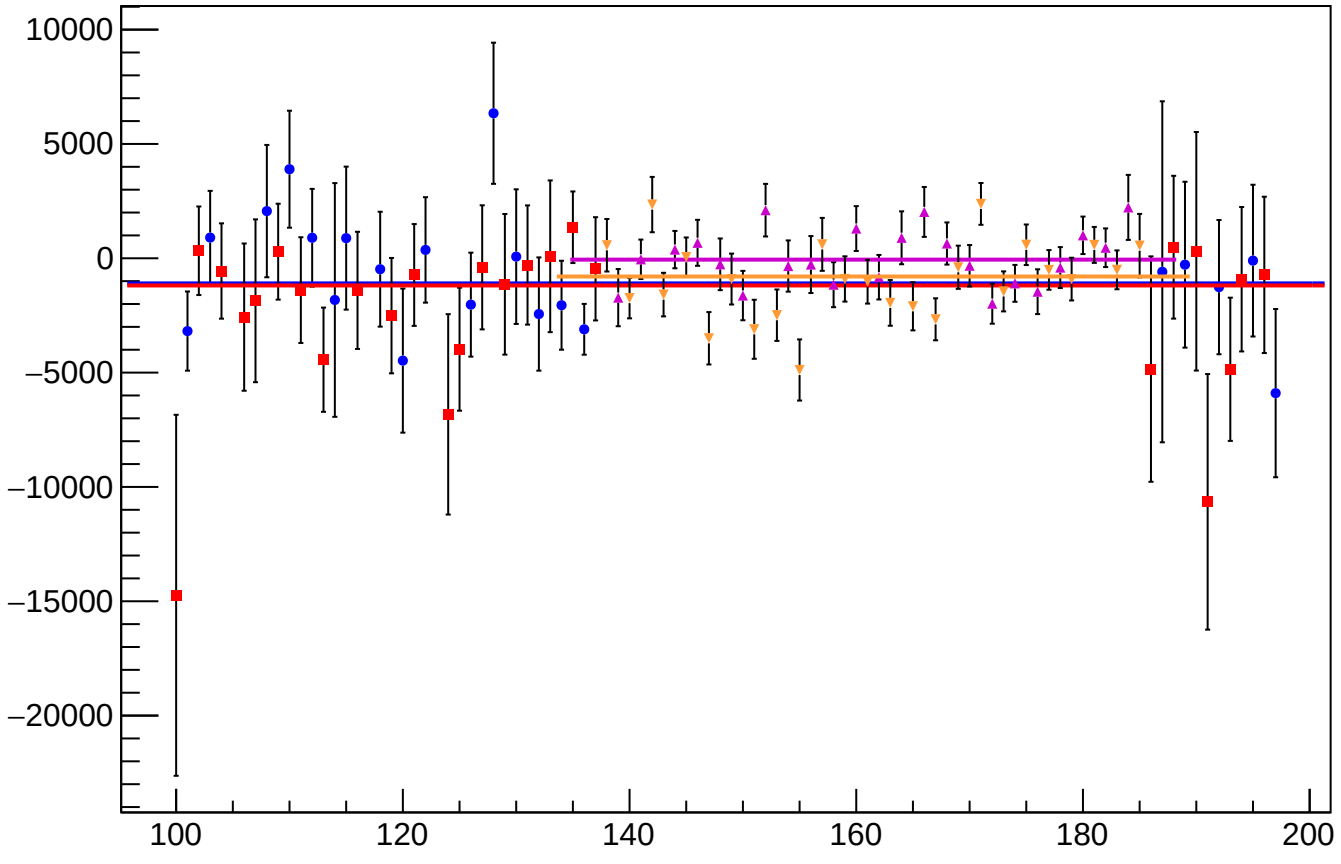
Right Out: 99.121+/-0.021 χ^2/NDF: 1005690.0/25

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 83.415+/-0.011 χ^2/NDF: 1513212.1/45

All: 83.779+/-0.008 χ^2/NDF: 3445887.0/94

- sign 84.150+/-0.011 χ^2/NDF: 1930433.9/48



Right In: -1099.055+/-521.427 χ^2/NDF: 22.1/20

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1188.728+/-528.467 χ^2/NDF: 17.7/25

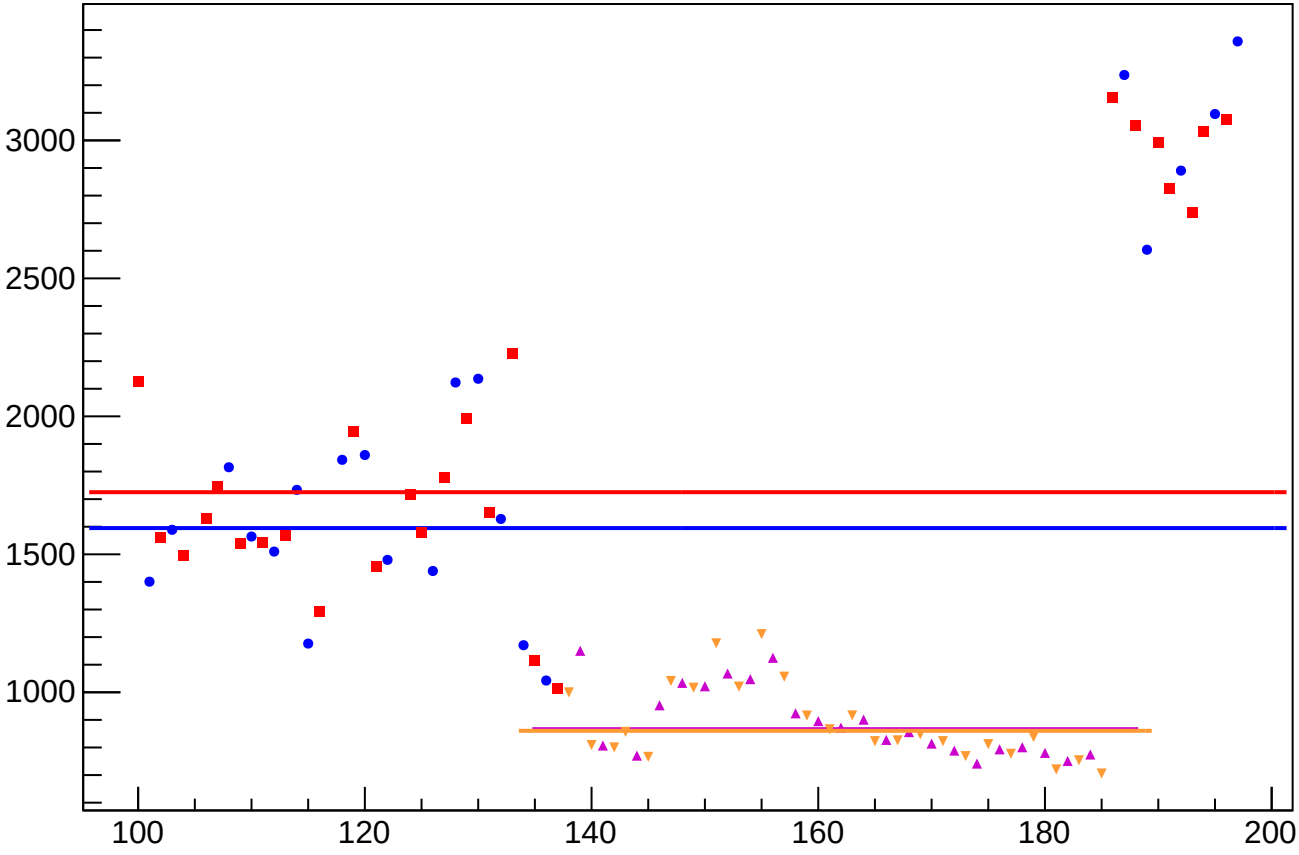
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -835.026+/-185.009 χ^2/NDF: 81.9/45

All: -530.222+/-132.776 χ^2/NDF: 139.6/94

- sign -206.488+/-190.667 χ^2/NDF: 52.2/48

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1595.092+/-0.369 χ^2/NDF: 2351002.1/20

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1725.132+/-0.374 χ^2/NDF: 2345682.2/25

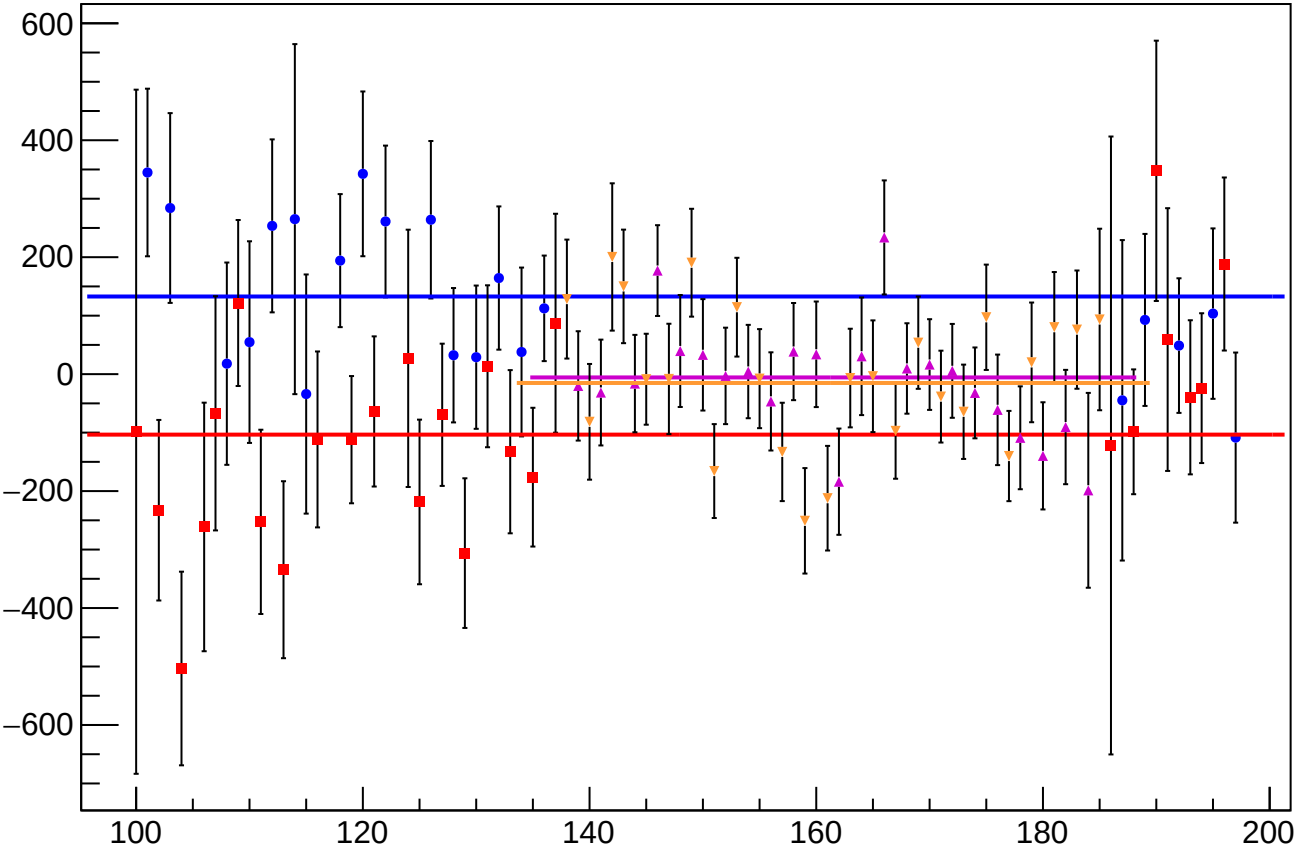
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 952.973+/-0.131 χ^2/NDF: 6520092.8/45

All: 965.178+/-0.094 χ^2/NDF: 14090994.7/94

- sign 978.141+/-0.135 χ^2/NDF: 7552953.1/48

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 132.775+/-30.347 χ^2/NDF: 15.5/20

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -103.439+/-29.492 χ^2/NDF: 27.9/25

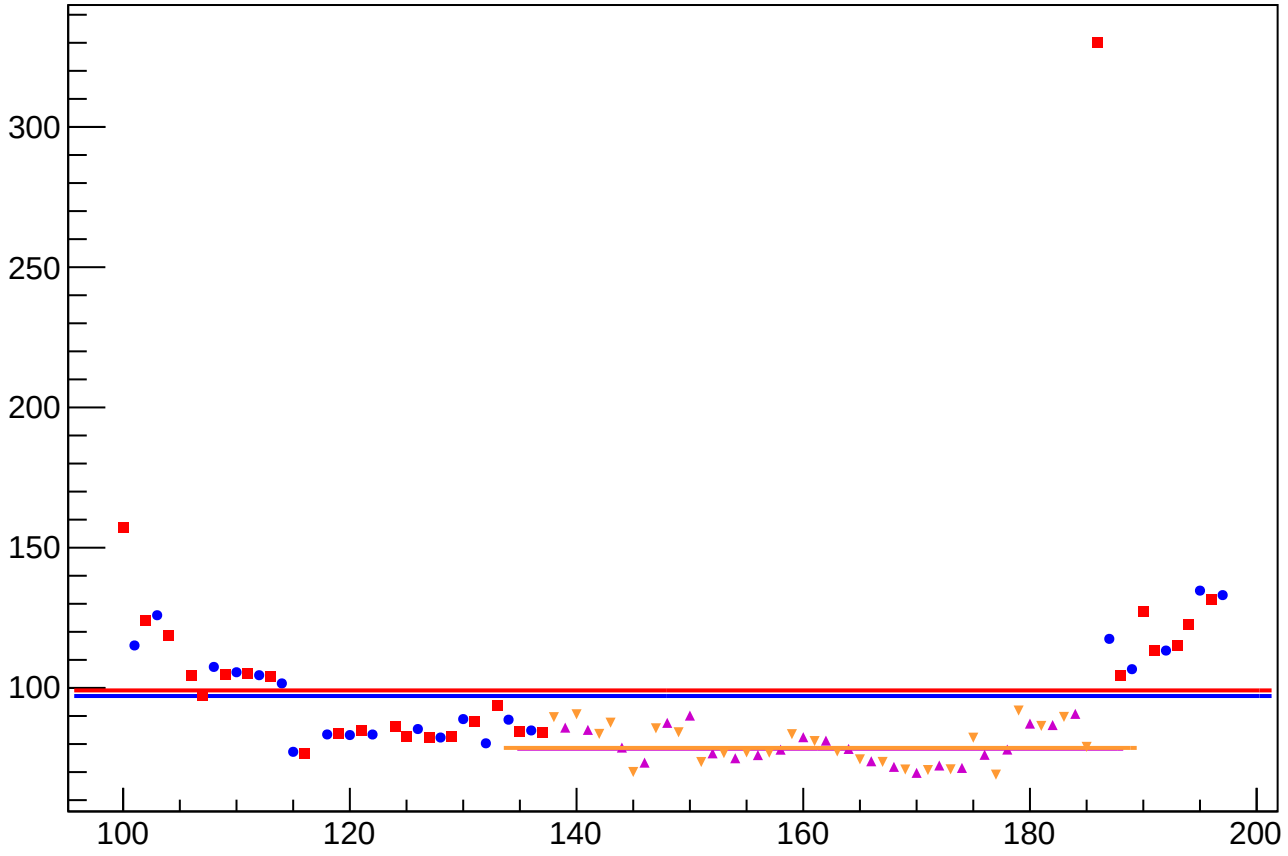
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

\+ sign 23.251+/-15.454 χ^2/NDF: 74.8/45

All: -4.608+/-10.979 χ^2/NDF: 140.1/94

\- sign -32.993+/-15.600 χ^2/NDF: 58.8/48

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 97.116+/-0.021 χ^2/NDF: 655609.3/20

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

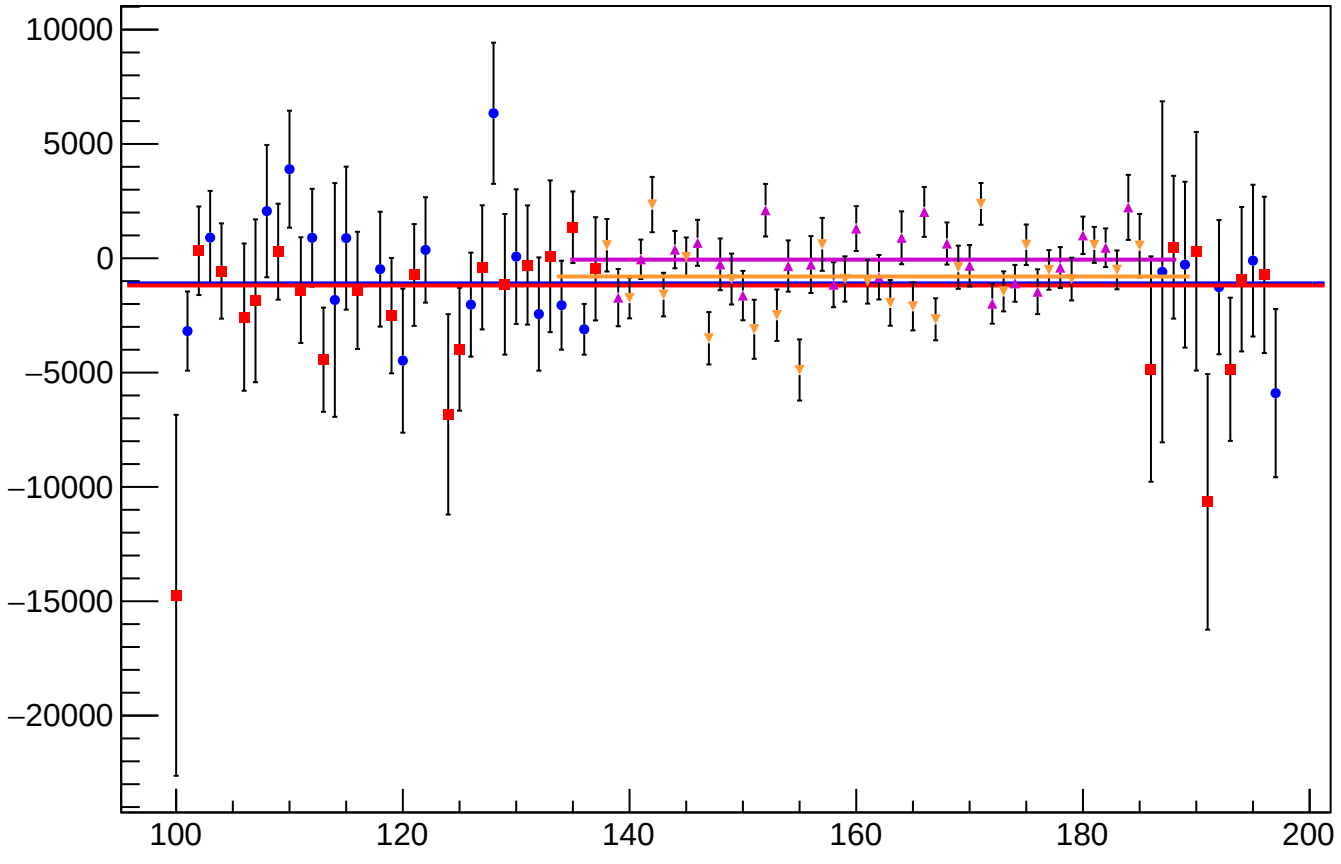
Right Out: 99.121+/-0.021 χ^2/NDF: 1005690.0/25

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 83.415+/-0.011 χ^2/NDF: 1513212.1/45

All: 83.779+/-0.008 χ^2/NDF: 3445887.0/94

- sign 84.150+/-0.011 χ^2/NDF: 1930433.9/48



Right In: -1099.055+/-521.427 χ^2/NDF: 22.1/20

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

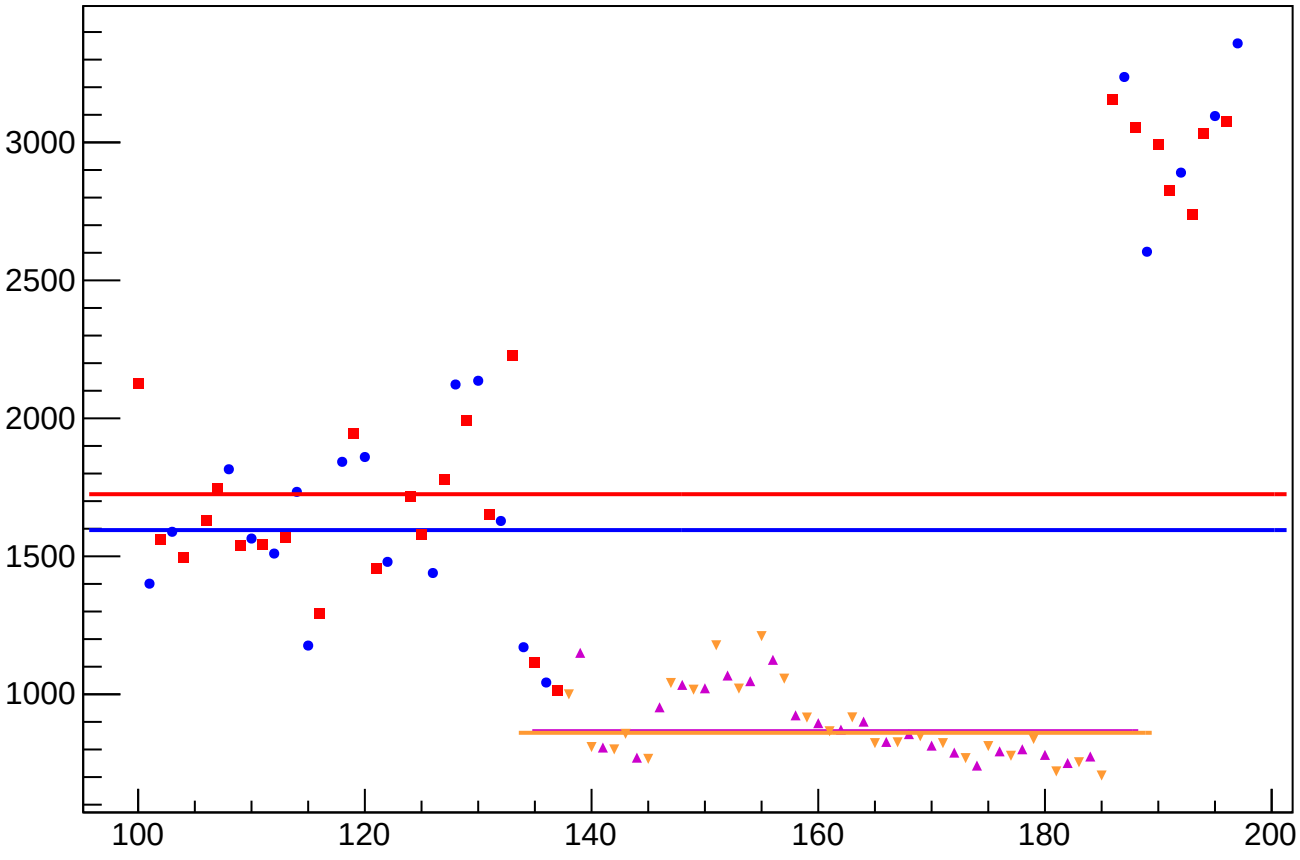
Right Out: -1188.728+/-528.467 χ^2/NDF: 17.7/25

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -835.026+/-185.009 χ^2/NDF: 81.9/45

All: -530.222+/-132.776 χ^2/NDF: 139.6/94

- sign -206.488+/-190.667 χ^2/NDF: 52.2/48



Right In: 1595.092+/-0.369 χ^2/NDF: 2351002.1/20

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1725.132+/-0.374 χ^2/NDF: 2345682.2/25

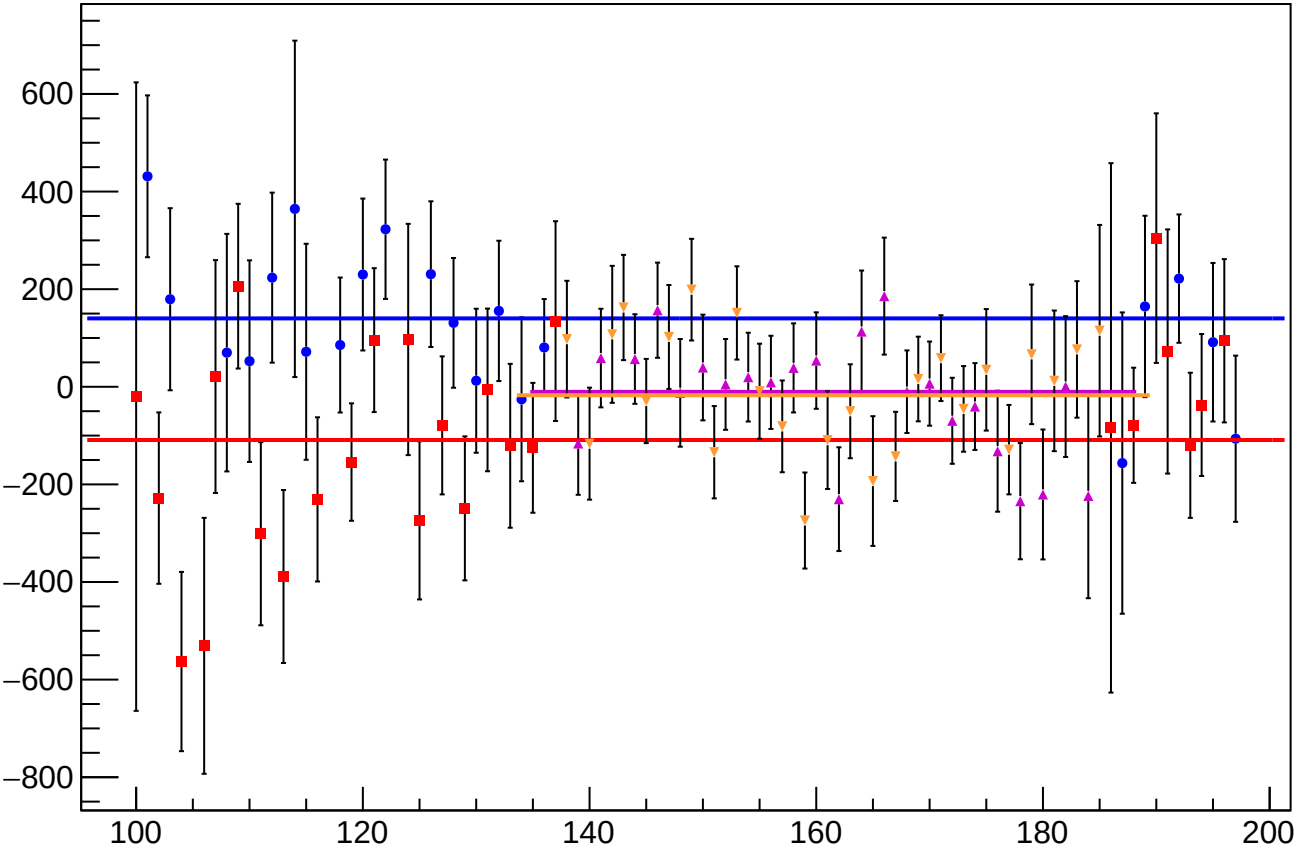
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 952.973+/-0.131 χ^2/NDF: 6520092.8/45

All: 965.178+/-0.094 χ^2/NDF: 14090994.7/94

- sign 978.141+/-0.135 χ^2/NDF: 7552953.1/48

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 140.114+/-35.086 χ^2/NDF: 12.2/20

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -109.014+/-33.692 χ^2/NDF: 28.6/25

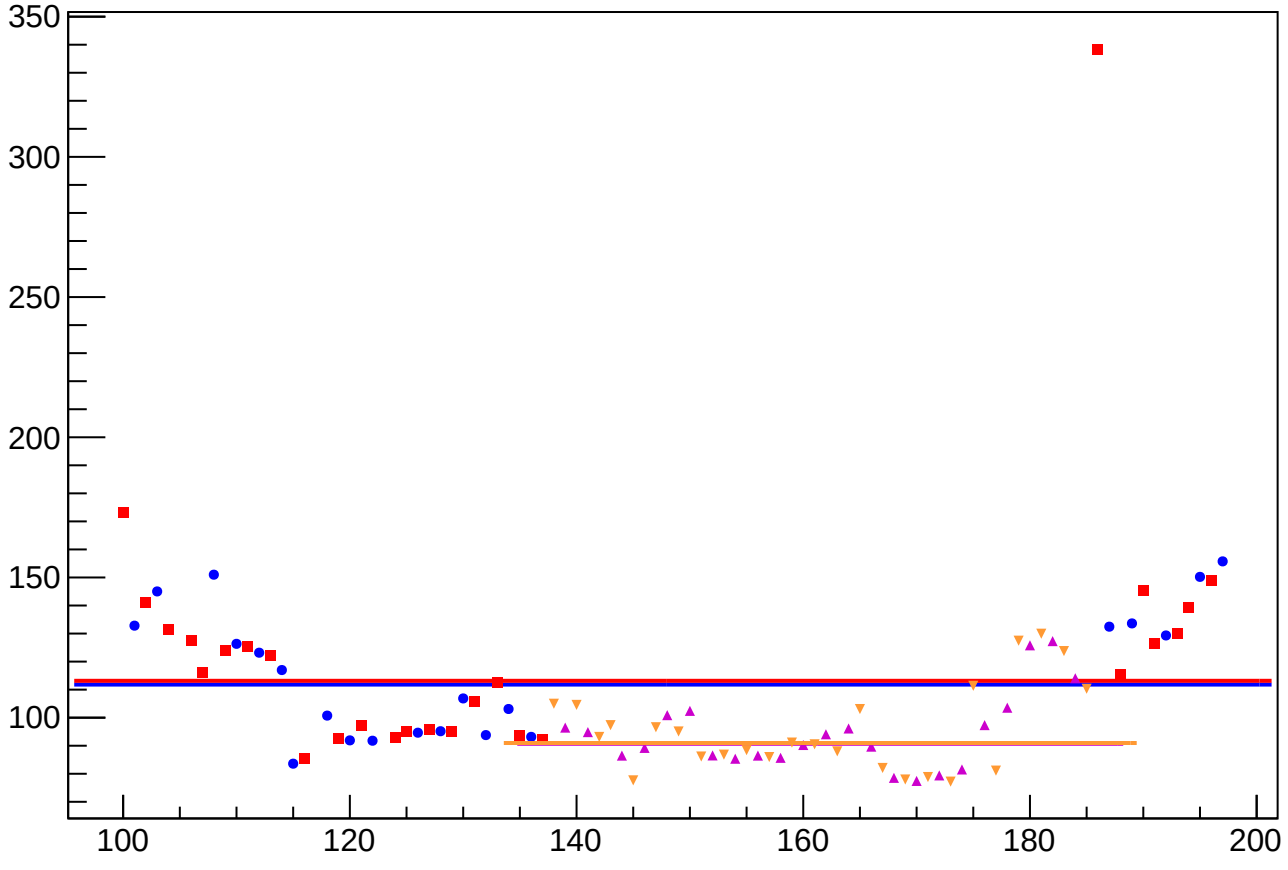
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 24.139+/-18.011 χ^2/NDF: 58.3/45

All: -7.204+/-12.776 χ^2/NDF: 121.7/94

- sign -38.951+/-18.126 χ^2/NDF: 57.3/48

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.807+/-0.025 χ^2/NDF: 768057.9/20

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

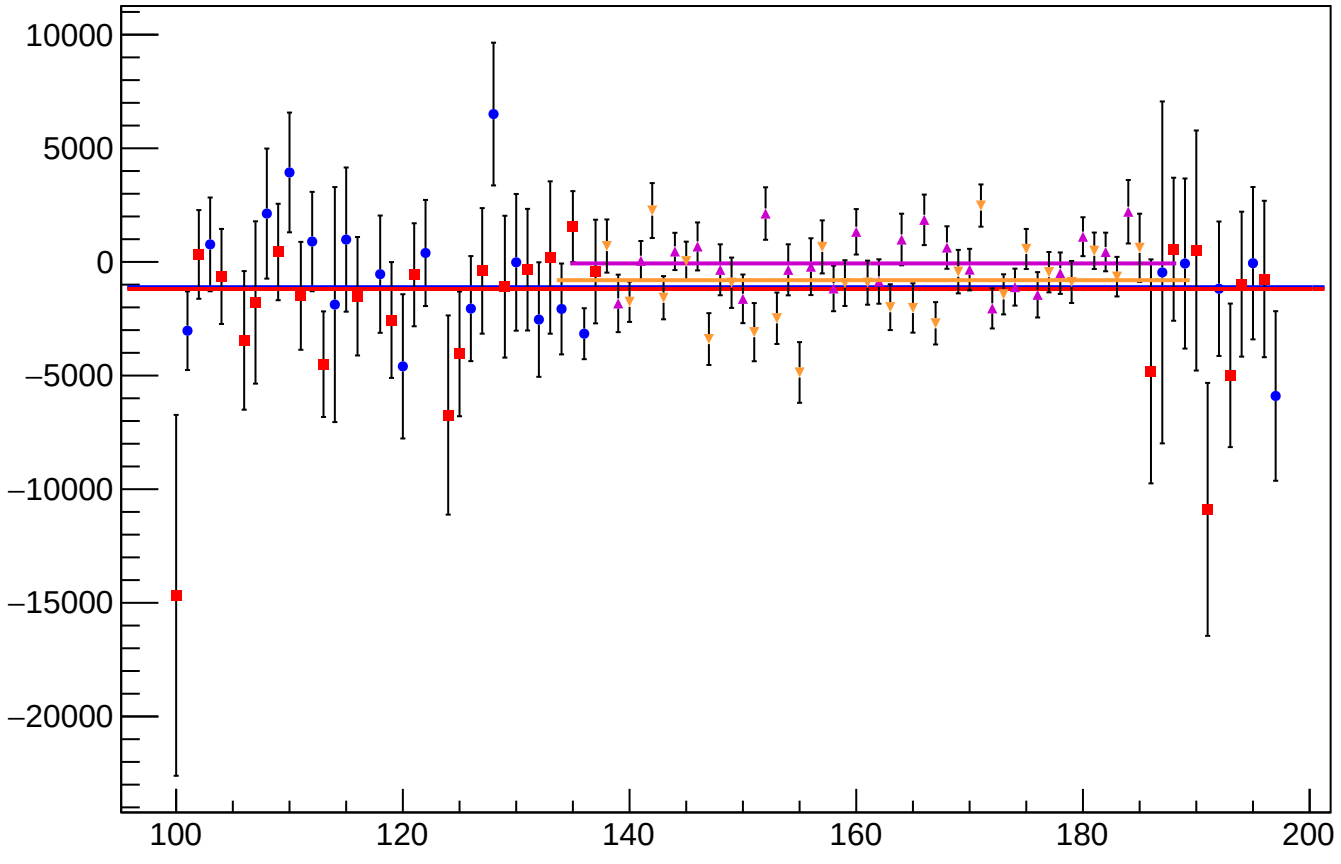
Right Out: 113.150+/-0.024 χ^2/NDF: 982916.9/25

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 96.458+/-0.013 χ^2/NDF: 2072246.9/45

All: 96.822+/-0.009 χ^2/NDF: 4234292.9/94

- sign 97.191+/-0.013 χ^2/NDF: 2160403.0/48



Right In: -1112.658+/-528.519 χ^2/NDF: 21.9/20

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1191.046+/-533.239 χ^2/NDF: 18.9/25

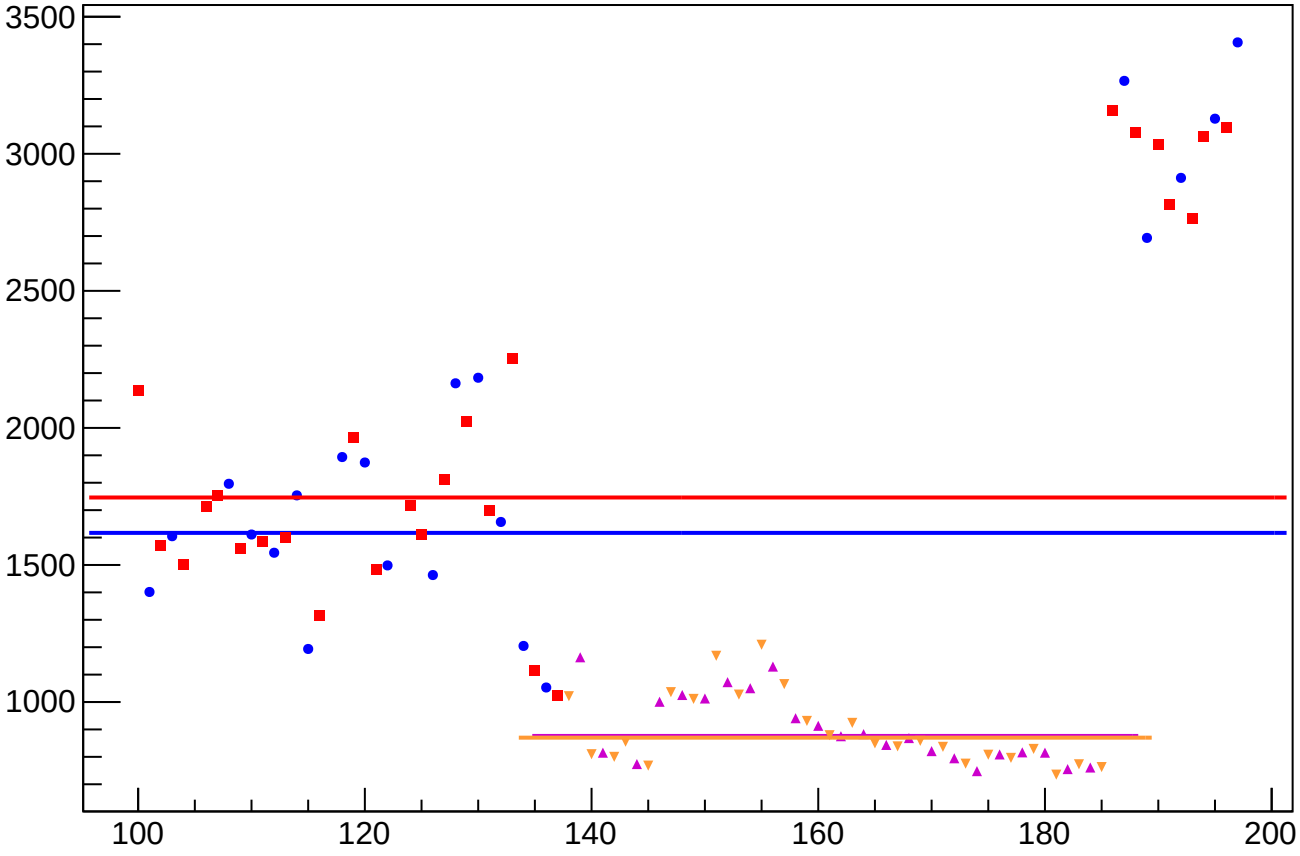
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -841.328+/-186.933 χ^2/NDF: 80.5/45

All: -536.361+/-134.177 χ^2/NDF: 139.4/94

- sign -212.257+/-192.709 χ^2/NDF: 53.4/48

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1617.082+/-0.374 χ^2/NDF: 2362430.5/20

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1746.187+/-0.377 χ^2/NDF: 2344112.9/25

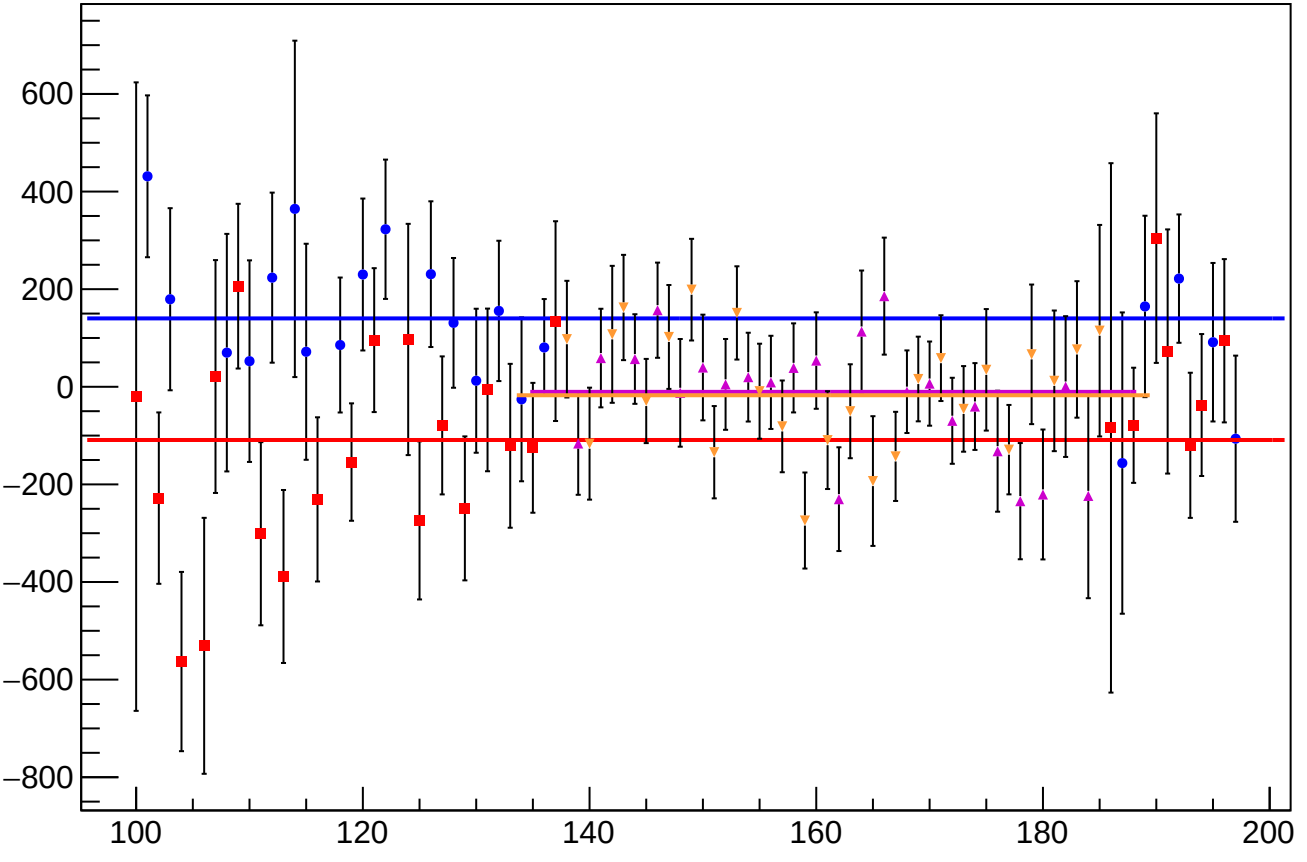
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 963.466+/-0.132 χ^2/NDF: 6505892.0/45

All: 976.275+/-0.095 χ^2/NDF: 14094188.9/94

- sign 989.888+/-0.136 χ^2/NDF: 7568926.3/48

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 140.116+/-35.085 χ^2/NDF: 12.2/20

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -109.014+/-33.692 χ^2/NDF: 28.6/25

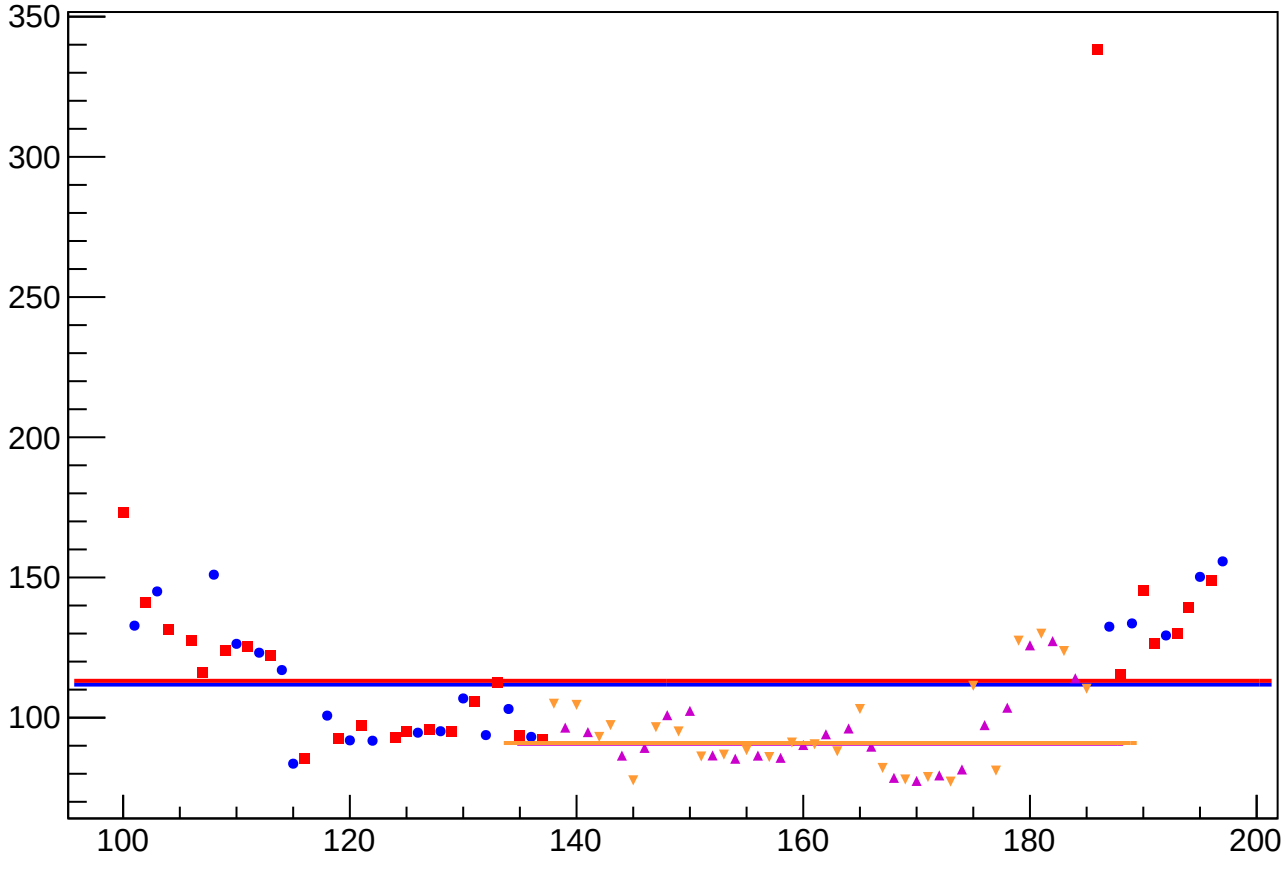
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 24.140+/-18.011 χ^2/NDF: 58.3/45

All: -7.204+/-12.776 χ^2/NDF: 121.7/94

- sign -38.951+/-18.126 χ^2/NDF: 57.3/48

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.806+/-0.025 χ^2/NDF: 768076.7/20

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

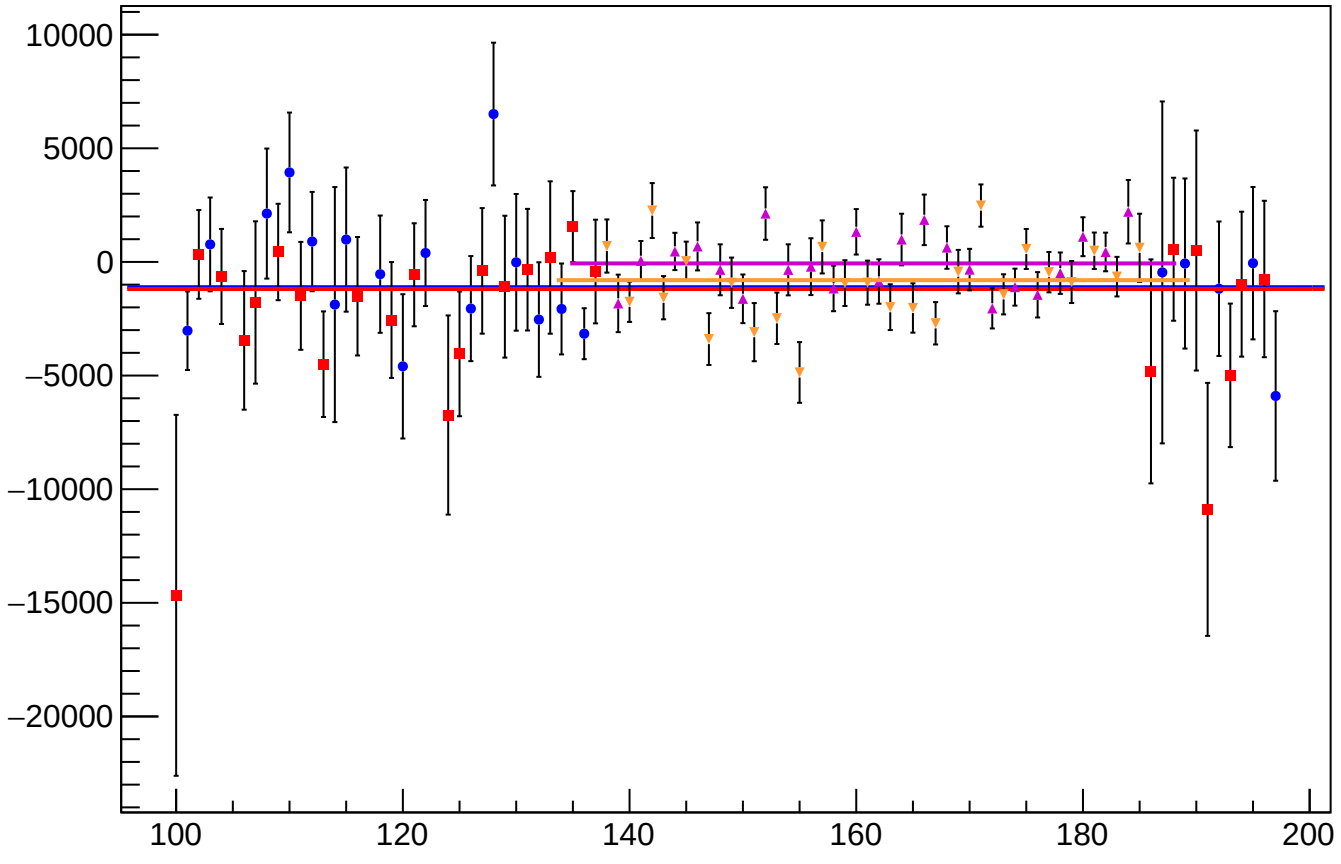
Right Out: 113.149+/-0.024 χ^2/NDF: 982927.0/25

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 96.458+/-0.013 χ^2/NDF: 2072225.1/45

All: 96.822+/-0.009 χ^2/NDF: 4234241.3/94

- sign 97.191+/-0.013 χ^2/NDF: 2160373.4/48



Right In: -1112.654+/-528.518 χ^2/NDF: 21.9/20

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

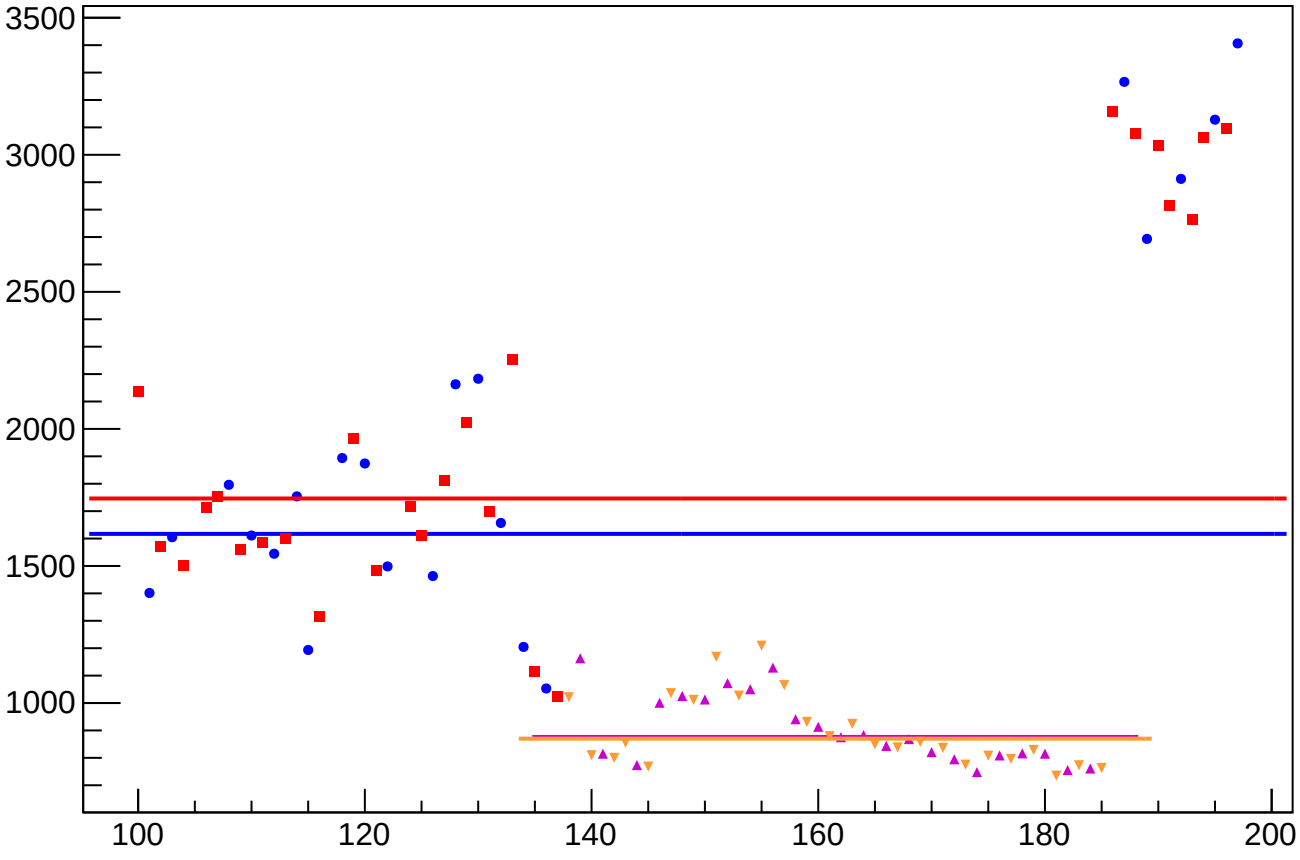
Right Out: -1191.045+/-533.238 χ^2/NDF: 18.9/25

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -841.327+/-186.933 χ^2/NDF: 80.5/45

All: -536.360+/-134.177 χ^2/NDF: 139.4/94

- sign -212.257+/-192.708 χ^2/NDF: 53.4/48



Right In: 1617.079+/-0.374 χ^2/NDF: 2362432.0/20

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1746.184+/-0.377 χ^2/NDF: 2344118.5/25

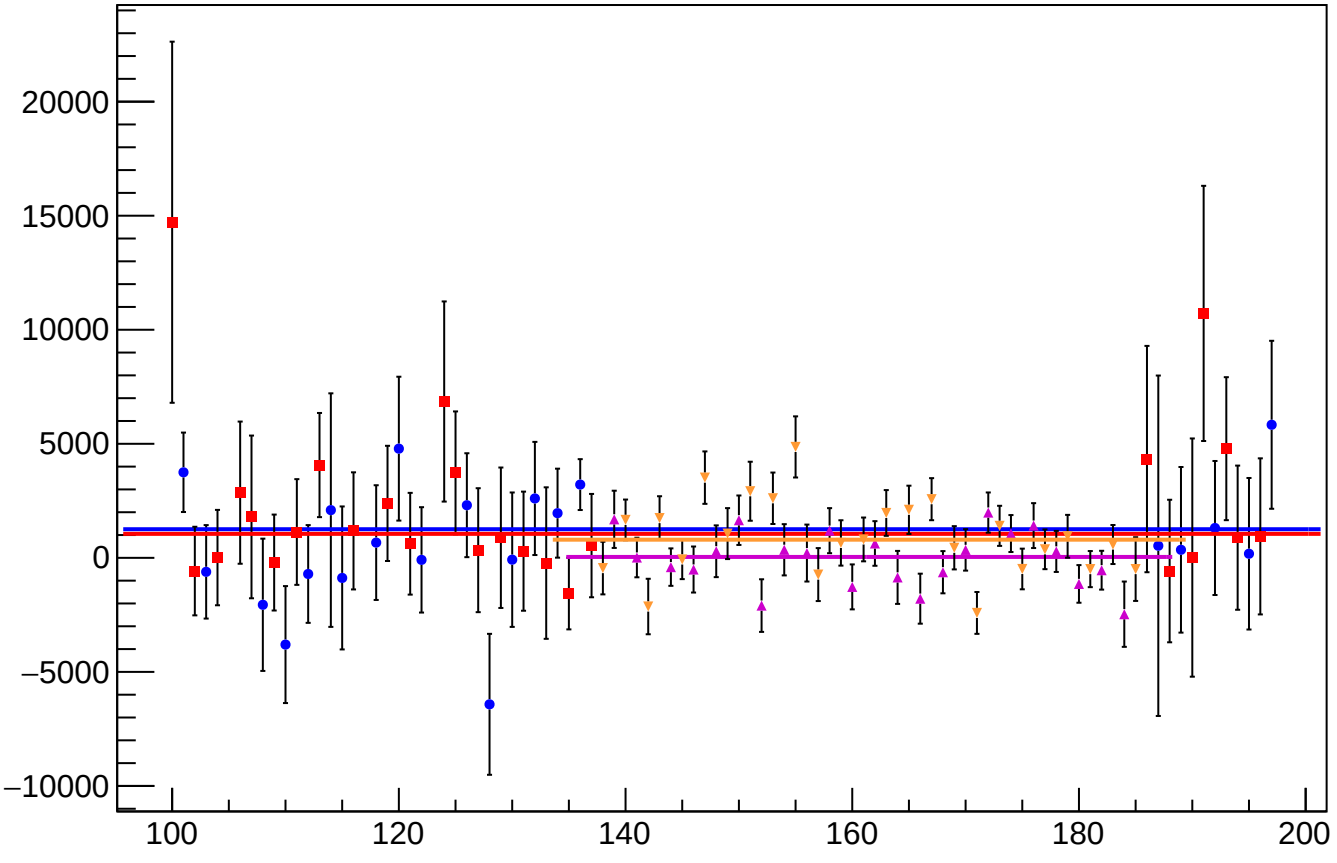
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 963.465+/-0.132 χ^2/NDF: 6505886.3/45

All: 976.274+/-0.095 χ^2/NDF: 14094178.2/94

- sign 989.887+/-0.136 χ^2/NDF: 7568921.5/48

asym_sam_24_68_dd_mean vs Slug



Right In: 1254.909+/-522.767 χ^2/NDF: 22.9/20

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1051.569+/-529.058 χ^2/NDF: 17.8/25

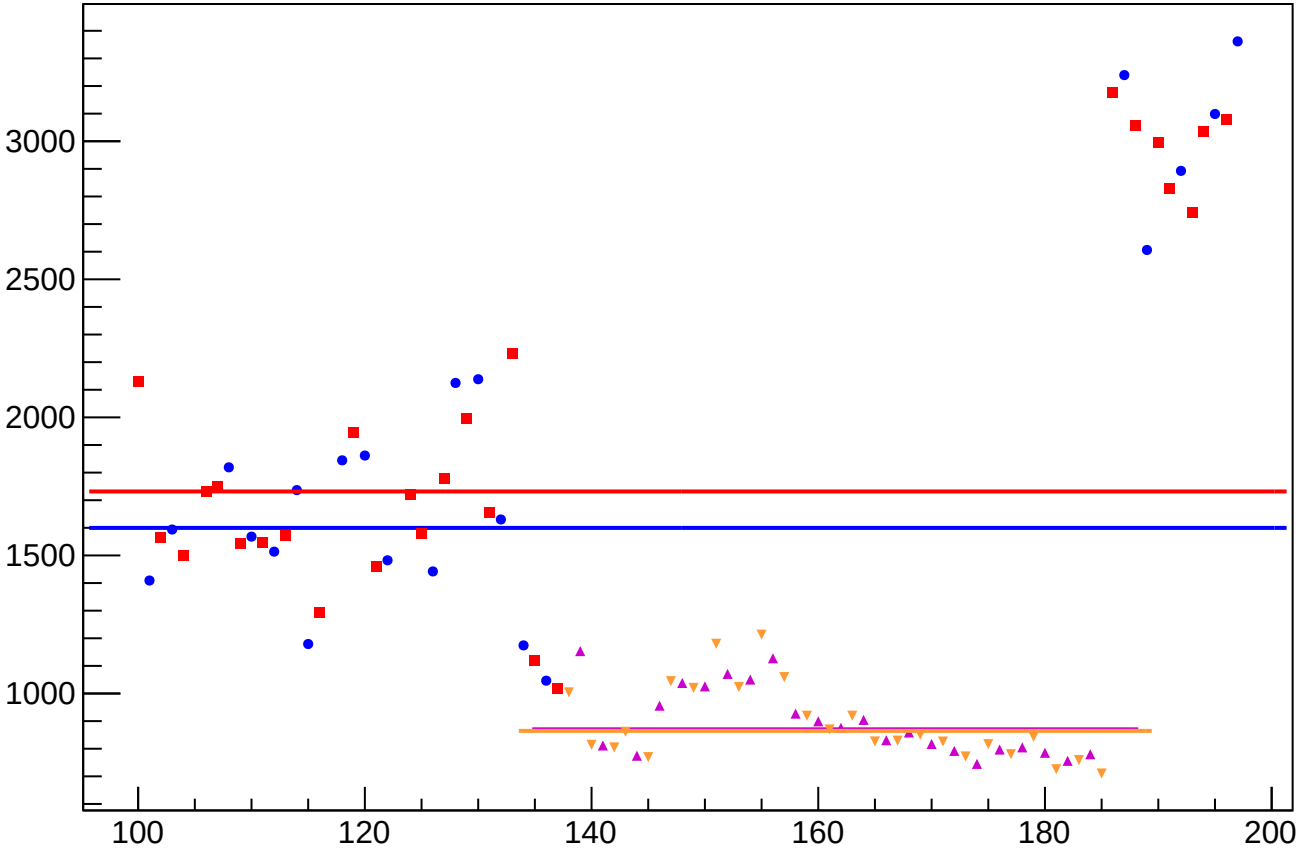
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 854.232+/-185.819 χ^2/NDF: 80.7/45

All: 523.378+/-133.335 χ^2/NDF: 137.9/94

- sign 172.223+/-191.435 χ^2/NDF: 50.7/48

asym_sam_24_68_dd_rms vs Slug



Right In: 1599.748+/-0.370 χ^2/NDF: 2339095.4/20

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

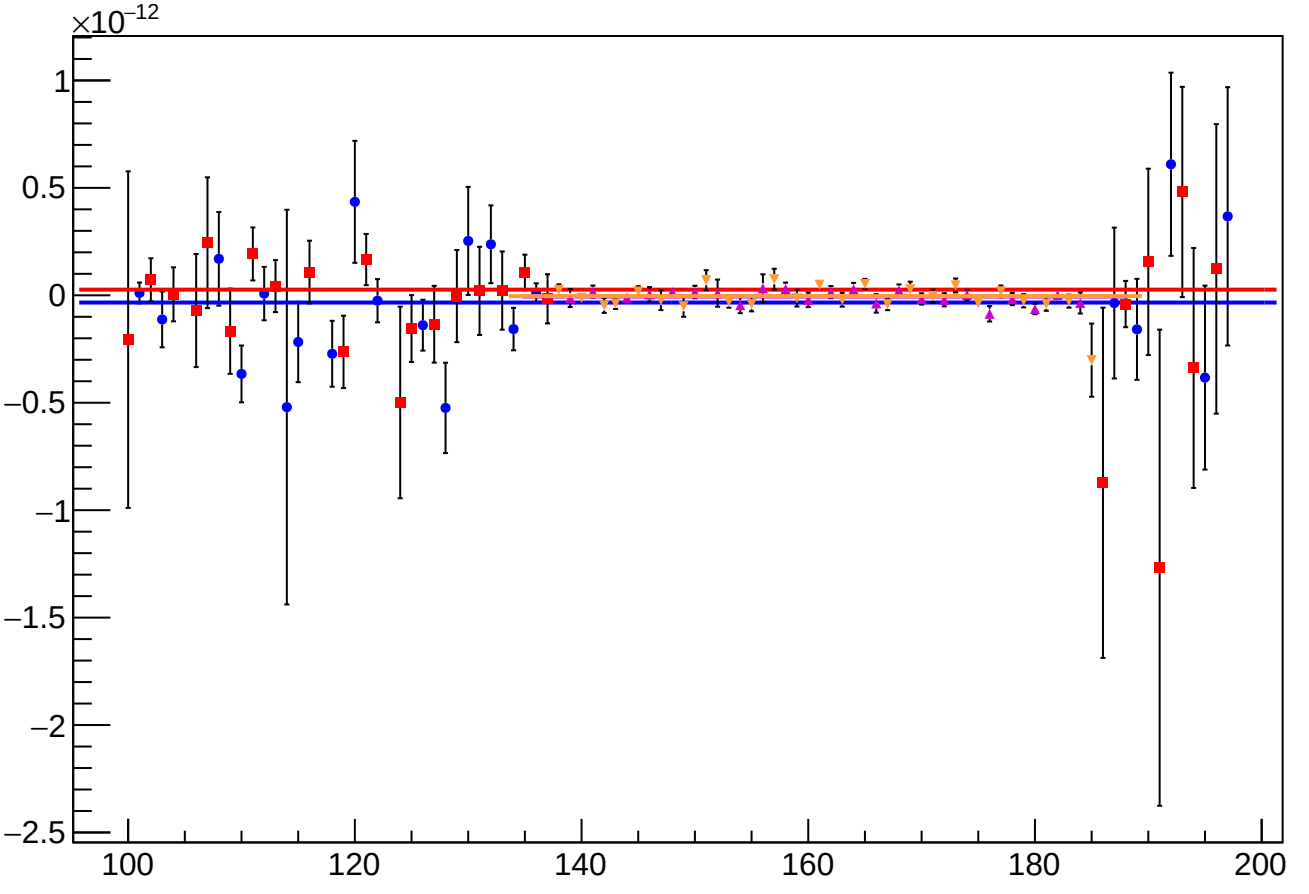
Right Out: 1731.742+/-0.374 χ^2/NDF: 2336527.2/25

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 957.516+/-0.131 χ^2/NDF: 6483127.6/45

All: 969.940+/-0.094 χ^2/NDF: 14050314.1/94

- sign 983.128+/-0.135 χ^2/NDF: 7548753.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

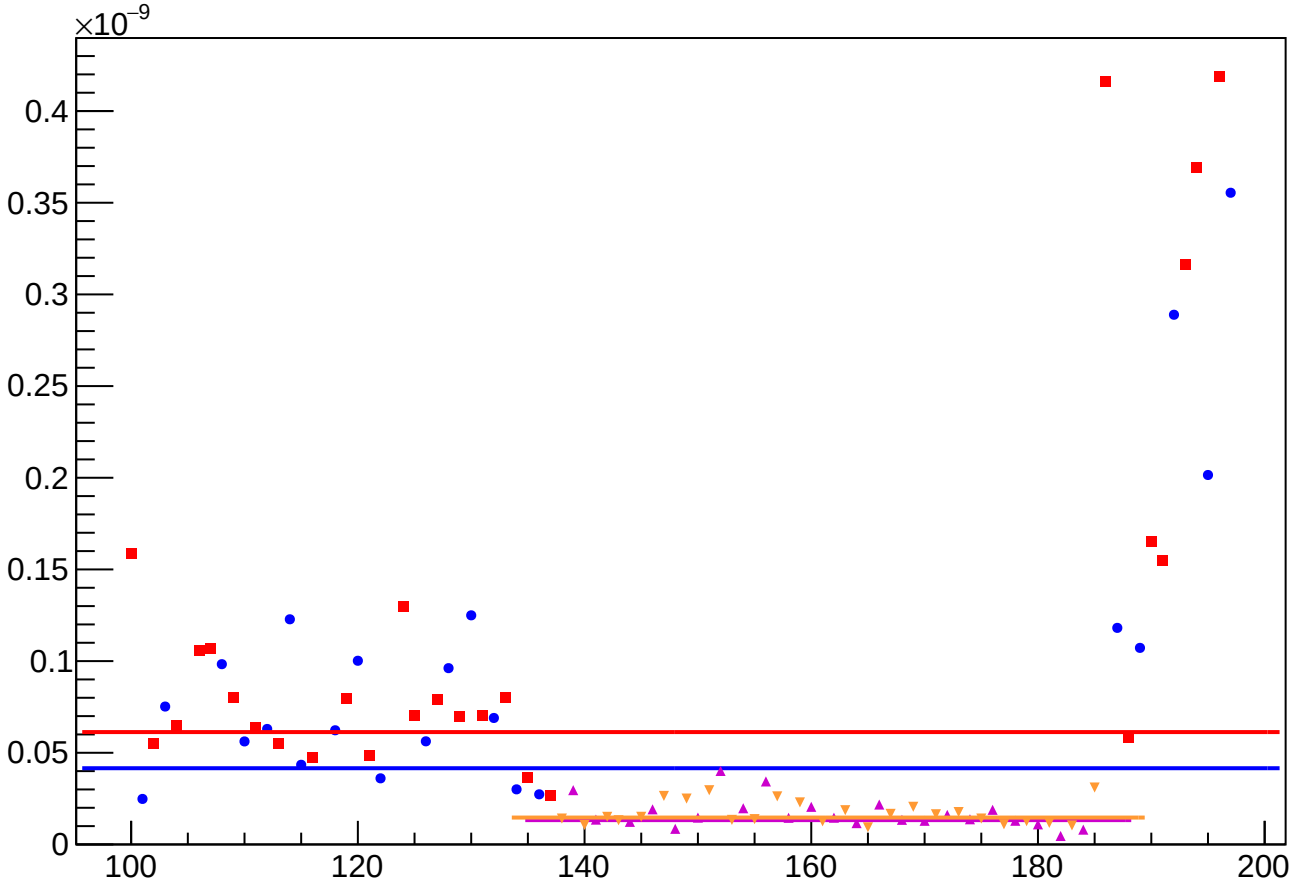
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/25

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.2/45

All: -0.000+/-0.000 χ^2/NDF: 110.2/94

- sign -0.000+/-0.000 χ^2/NDF: 39.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 3161734.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

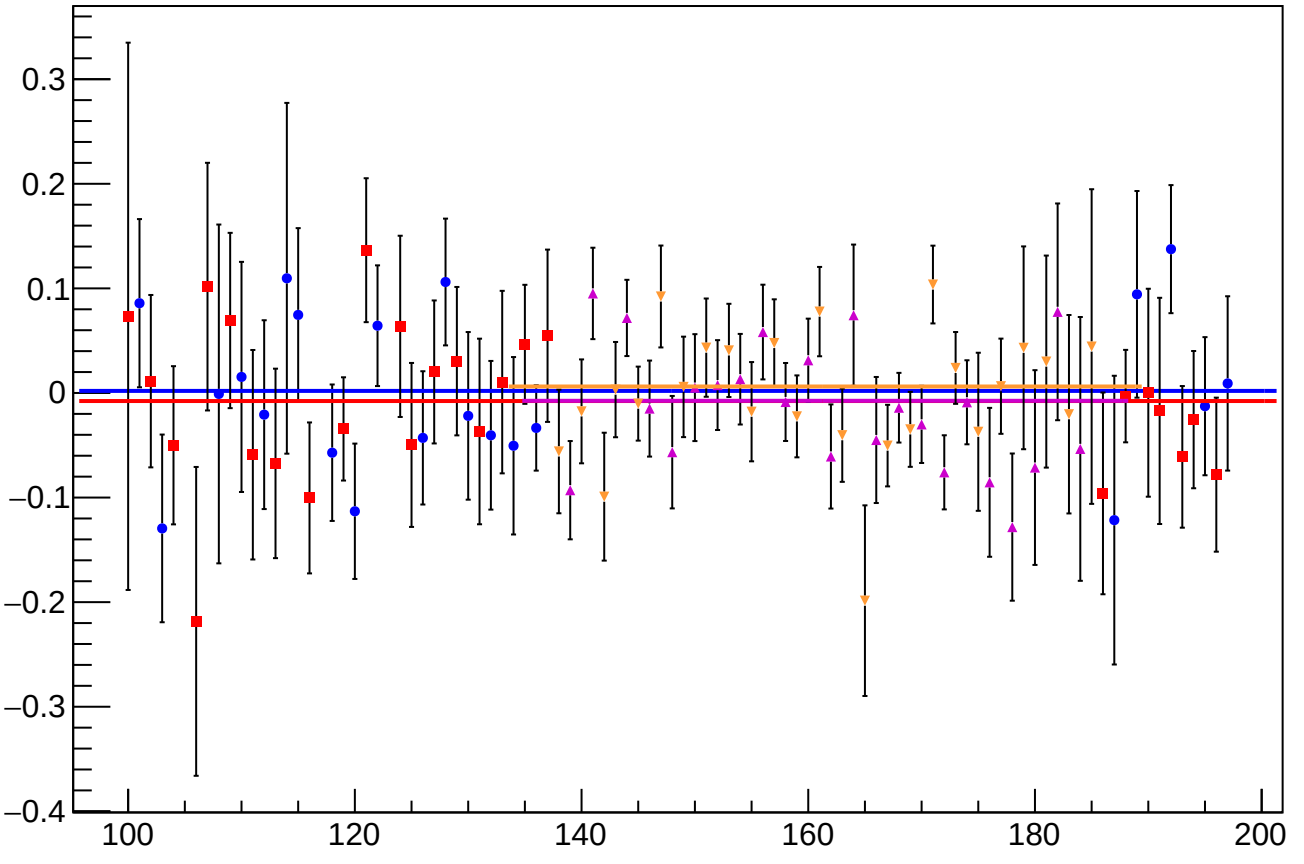
Right Out: 0.000+/-0.000 χ^2/NDF: 2916326.3/25

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6471299.0/45

All: 0.000+/-0.000 χ^2/NDF: 15765916.7/94

- sign 0.000+/-0.000 χ^2/NDF: 9248554.3/48



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/20

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.008+/-0.015 χ^2/NDF: 16.8/25

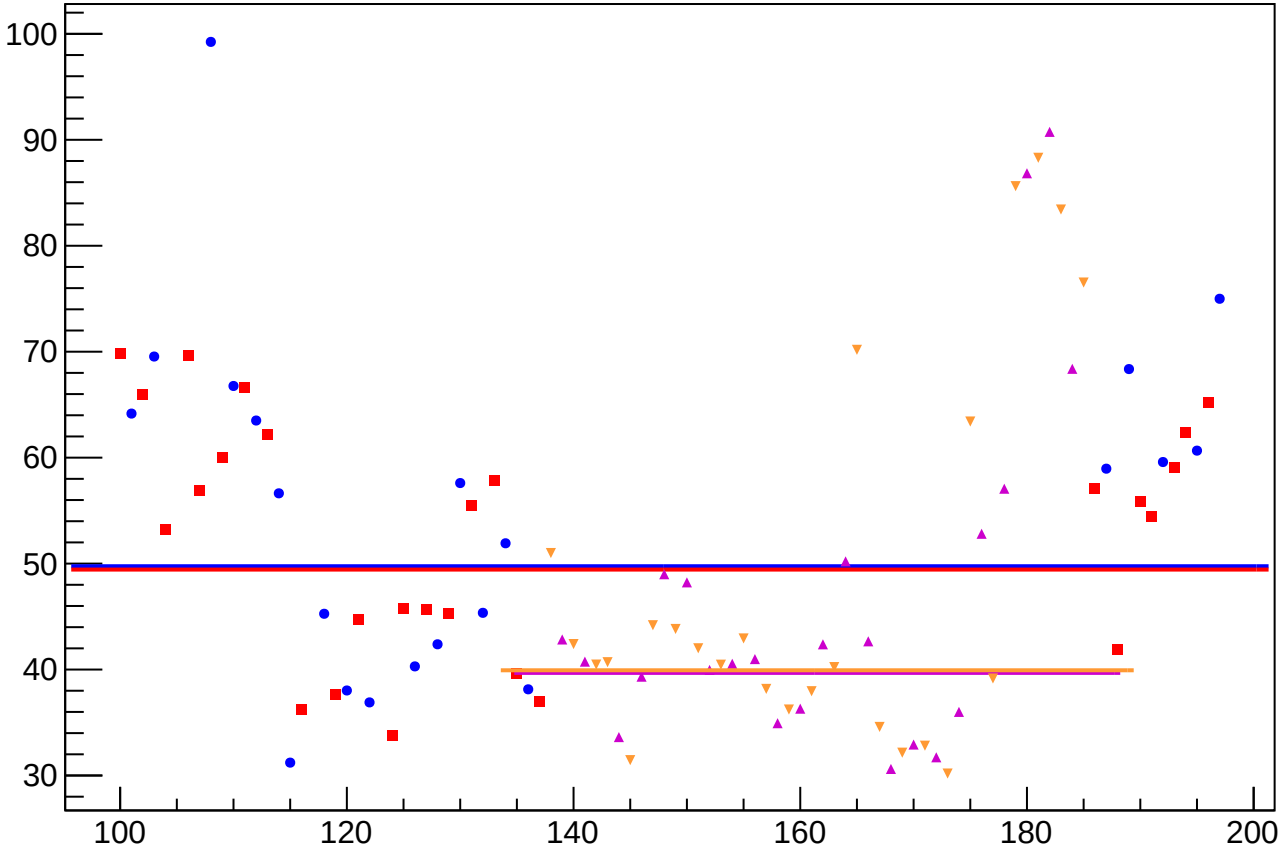
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/45

All: -0.001+/-0.006 χ^2/NDF: 100.5/94

- sign -0.008+/-0.008 χ^2/NDF: 47.2/48

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.751+/-0.011 χ^2/NDF: 1353384.0/20

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

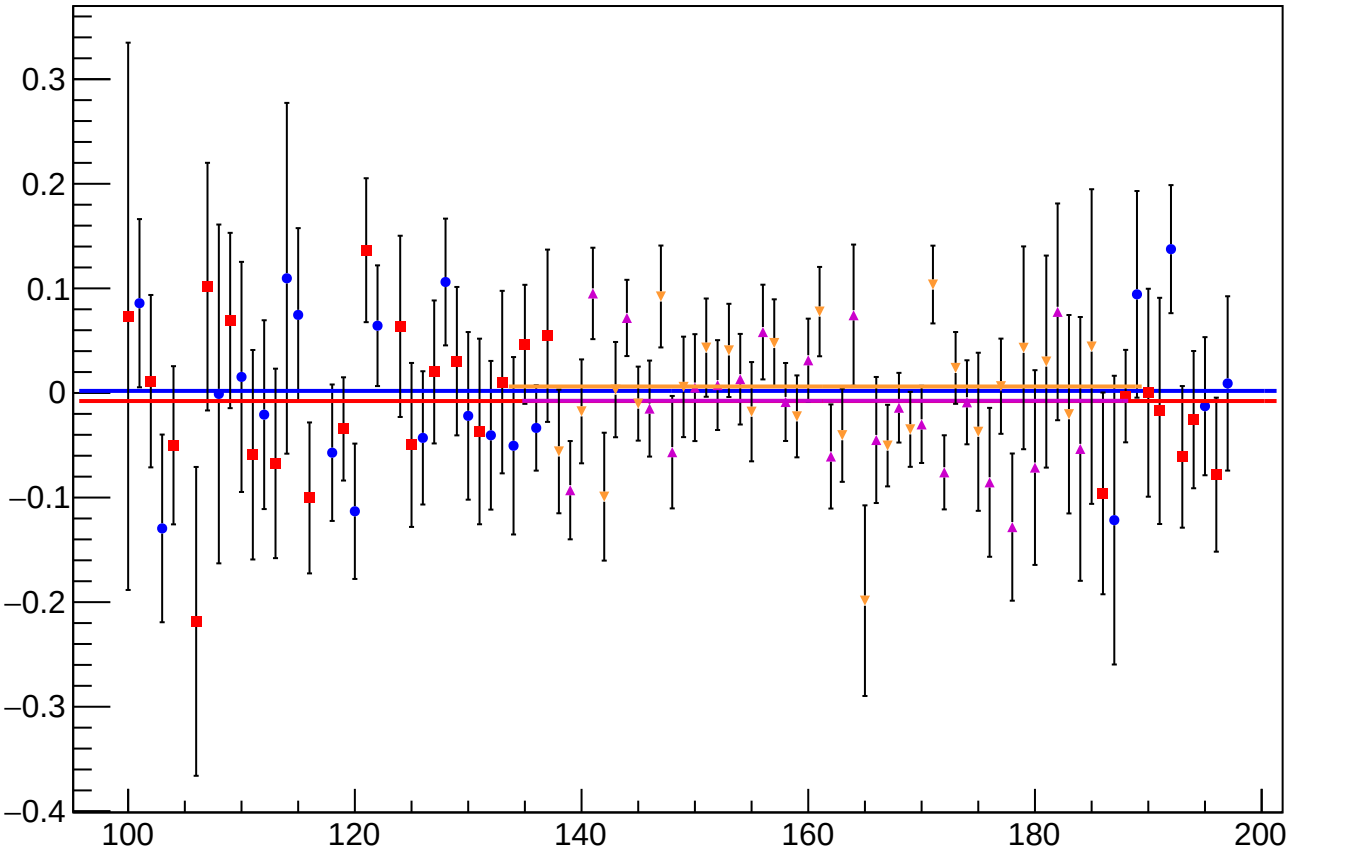
Right Out: 49.435+/-0.011 χ^2/NDF: 971552.6/25

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 42.508+/-0.006 χ^2/NDF: 4381484.1/45

All: 42.562+/-0.004 χ^2/NDF: 7866915.0/94

- sign 42.615+/-0.006 χ^2/NDF: 3485258.9/48



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/20

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

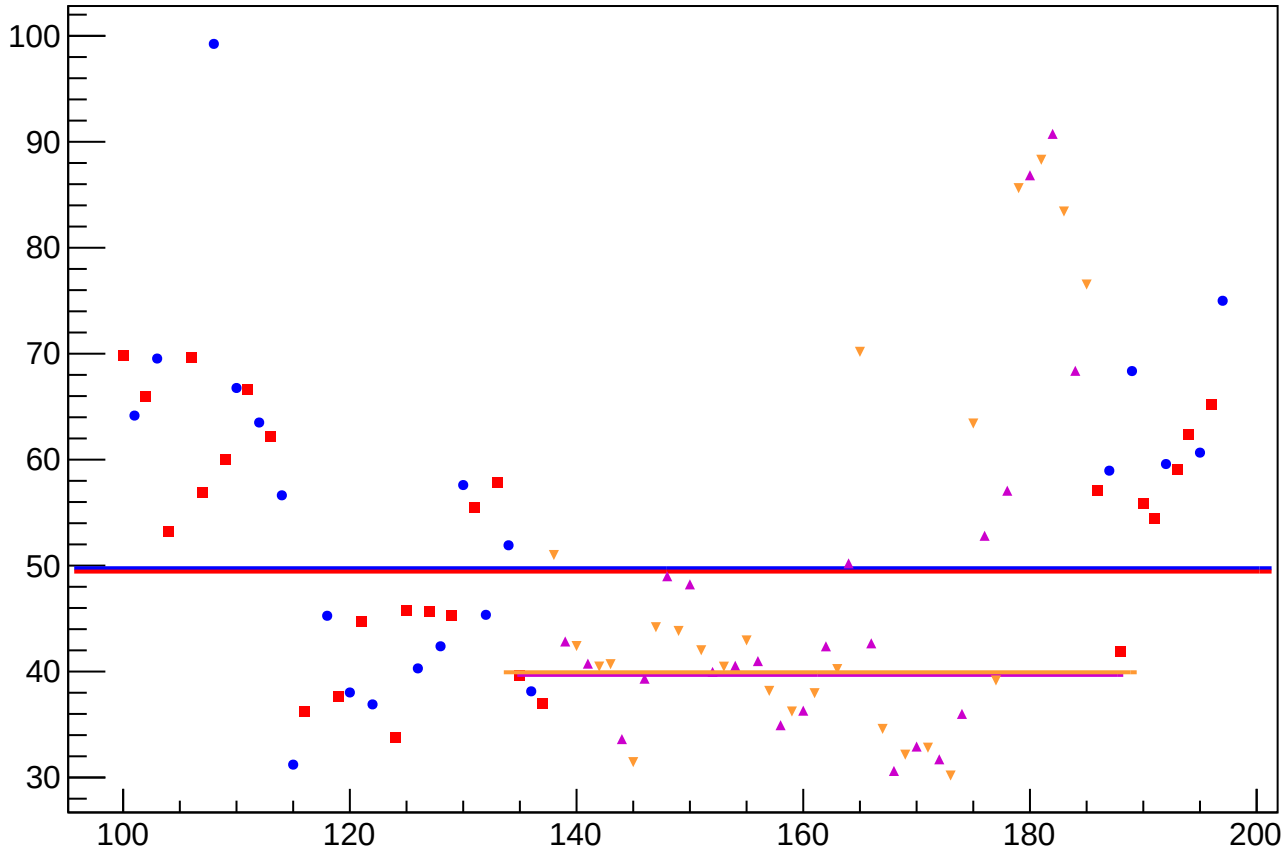
Right Out: -0.008+/-0.015 χ^2/NDF: 16.8/25

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/45

All: -0.001+/-0.006 χ^2/NDF: 100.5/94

- sign -0.008+/-0.008 χ^2/NDF: 47.2/48



Right In: 49.751+/-0.011 χ^2/NDF: 1353384.0/20

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

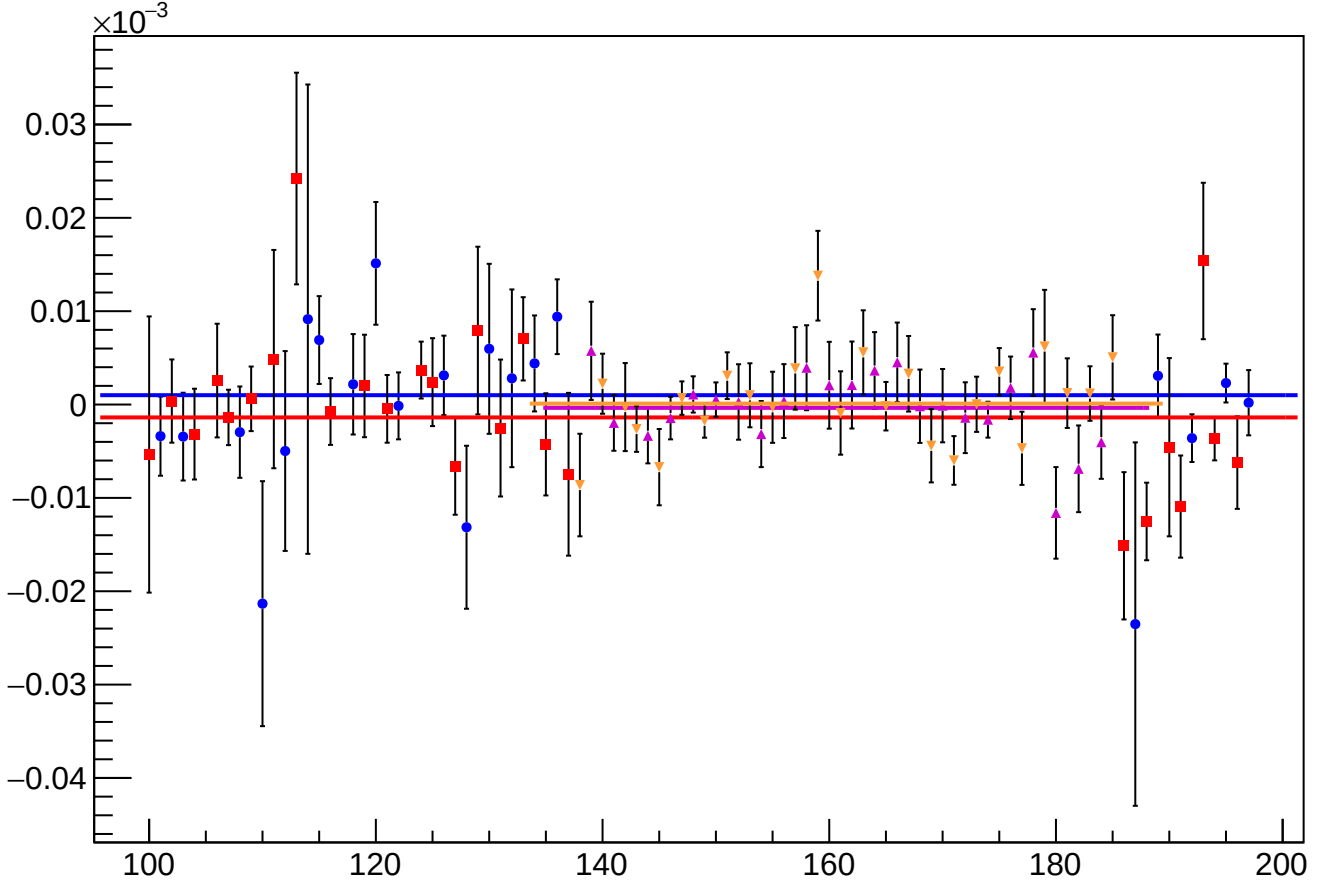
Right Out: 49.435+/-0.011 χ^2/NDF: 971552.6/25

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

\+ sign 42.508+/-0.006 χ^2/NDF: 4381484.1/45

All: 42.562+/-0.004 χ^2/NDF: 7866915.0/94

\- sign 42.615+/-0.006 χ^2/NDF: 3485258.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

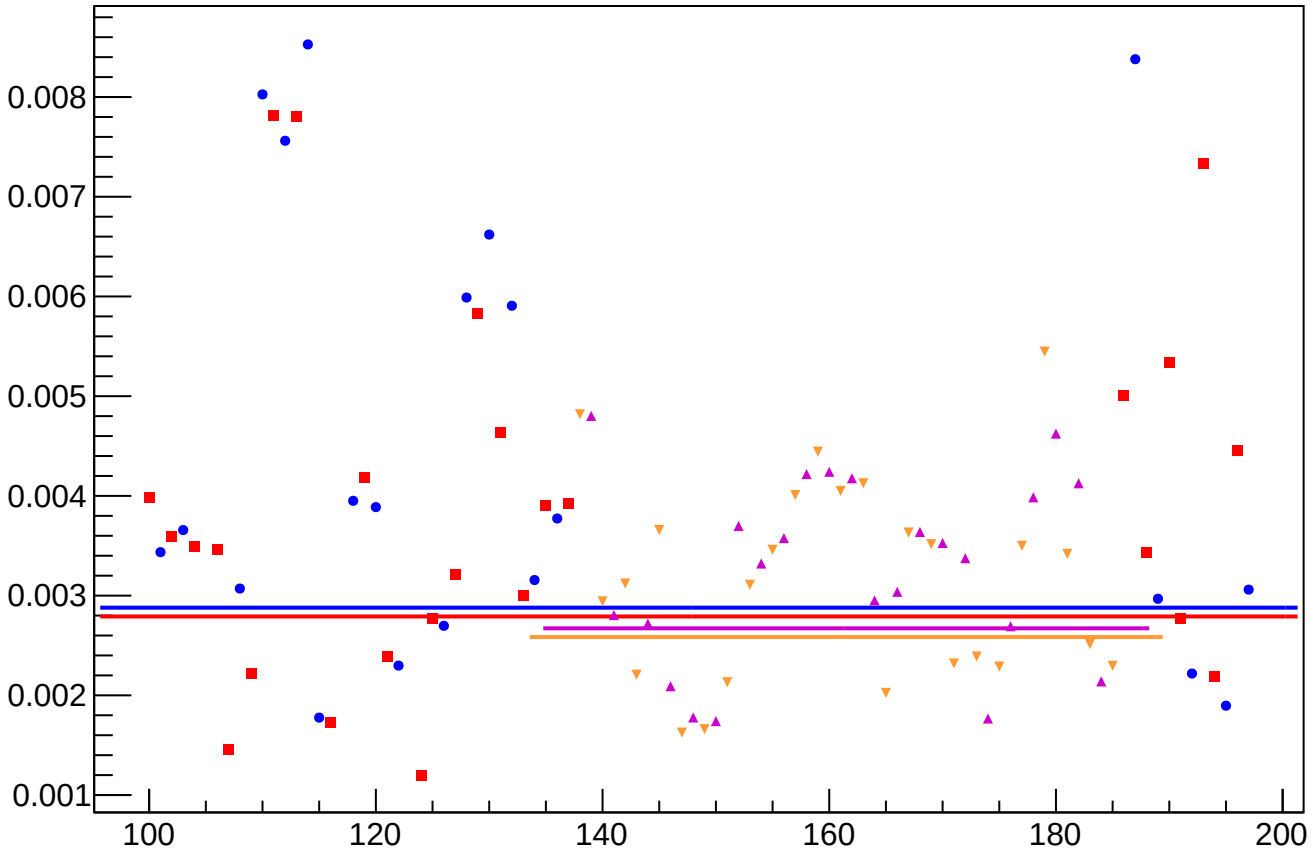
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/25

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.6/45

All: -0.000+/-0.000 χ^2/NDF: 117.4/94

- sign -0.000+/-0.000 χ^2/NDF: 55.7/48



Right In: 0.003+/-0.000 χ^2/NDF: 2822545.2/20

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

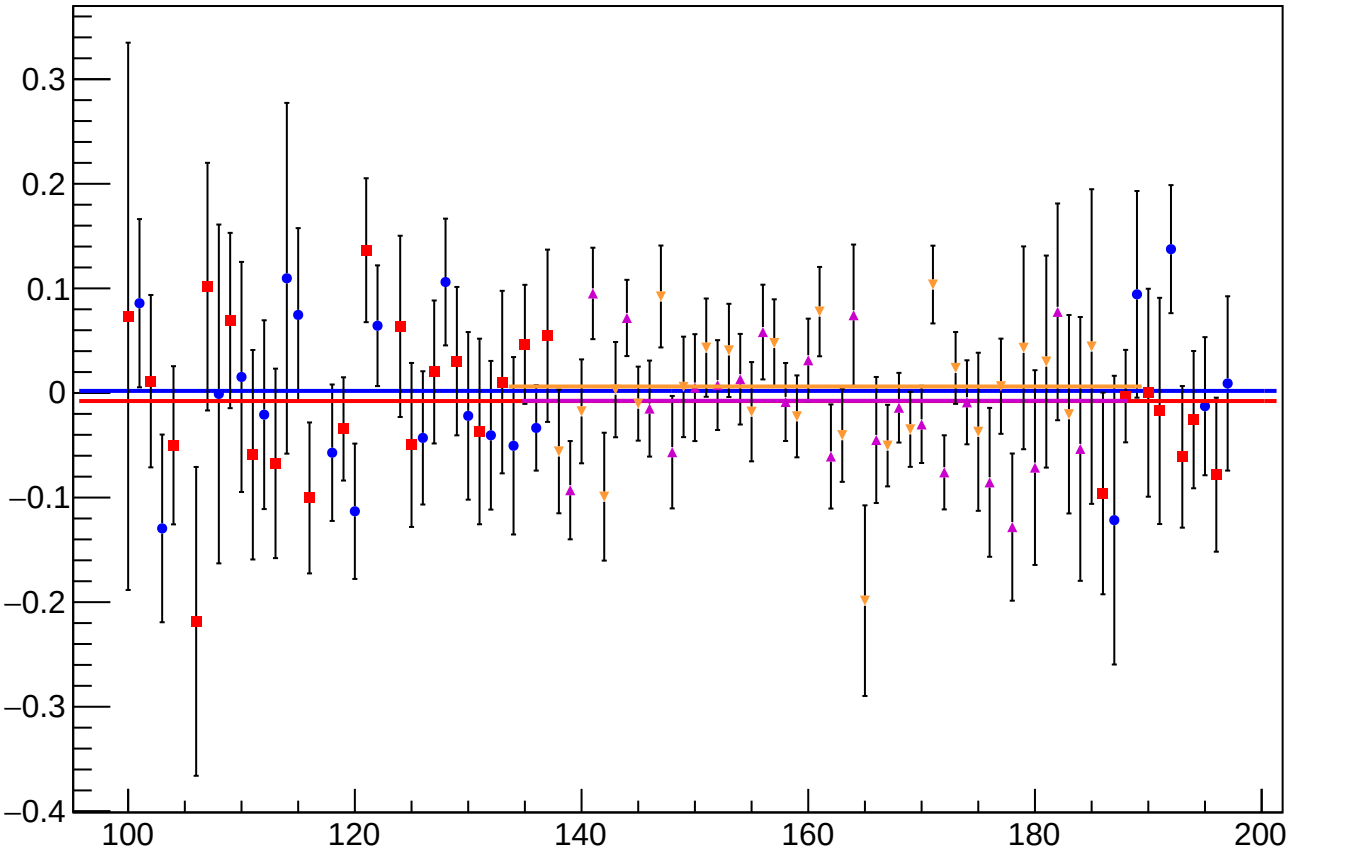
Right Out: 0.003+/-0.000 χ^2/NDF: 4026794.4/25

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 6844580.5/45

All: 0.003+/-0.000 χ^2/NDF: 14725552.2/94

- sign 0.003+/-0.000 χ^2/NDF: 7874464.1/48



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/20

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

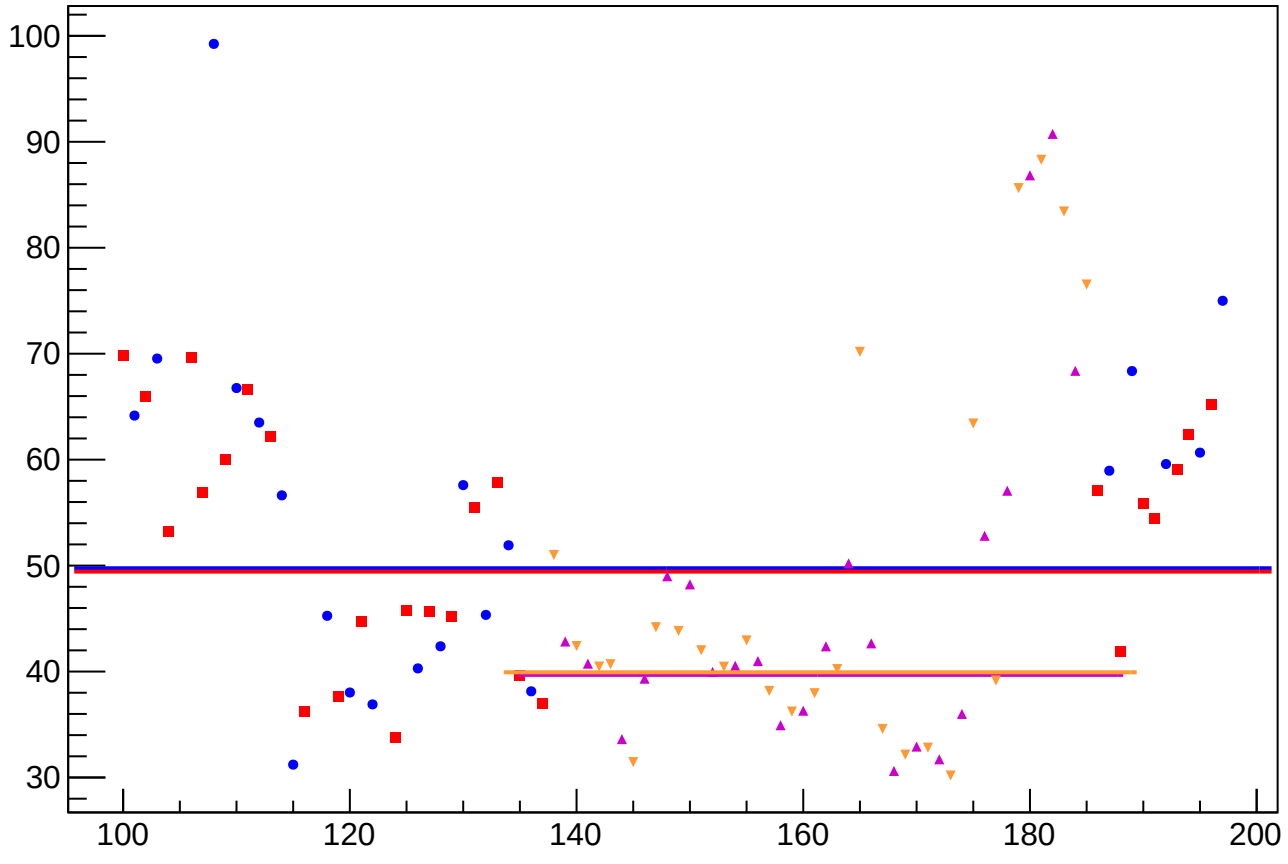
Right Out: -0.008+/-0.015 χ^2/NDF: 16.8/25

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/45

All: -0.001+/-0.006 χ^2/NDF: 100.5/94

- sign -0.008+/-0.008 χ^2/NDF: 47.2/48



Right In: 49.750+/-0.011 χ^2/NDF: 1353418.3/20

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

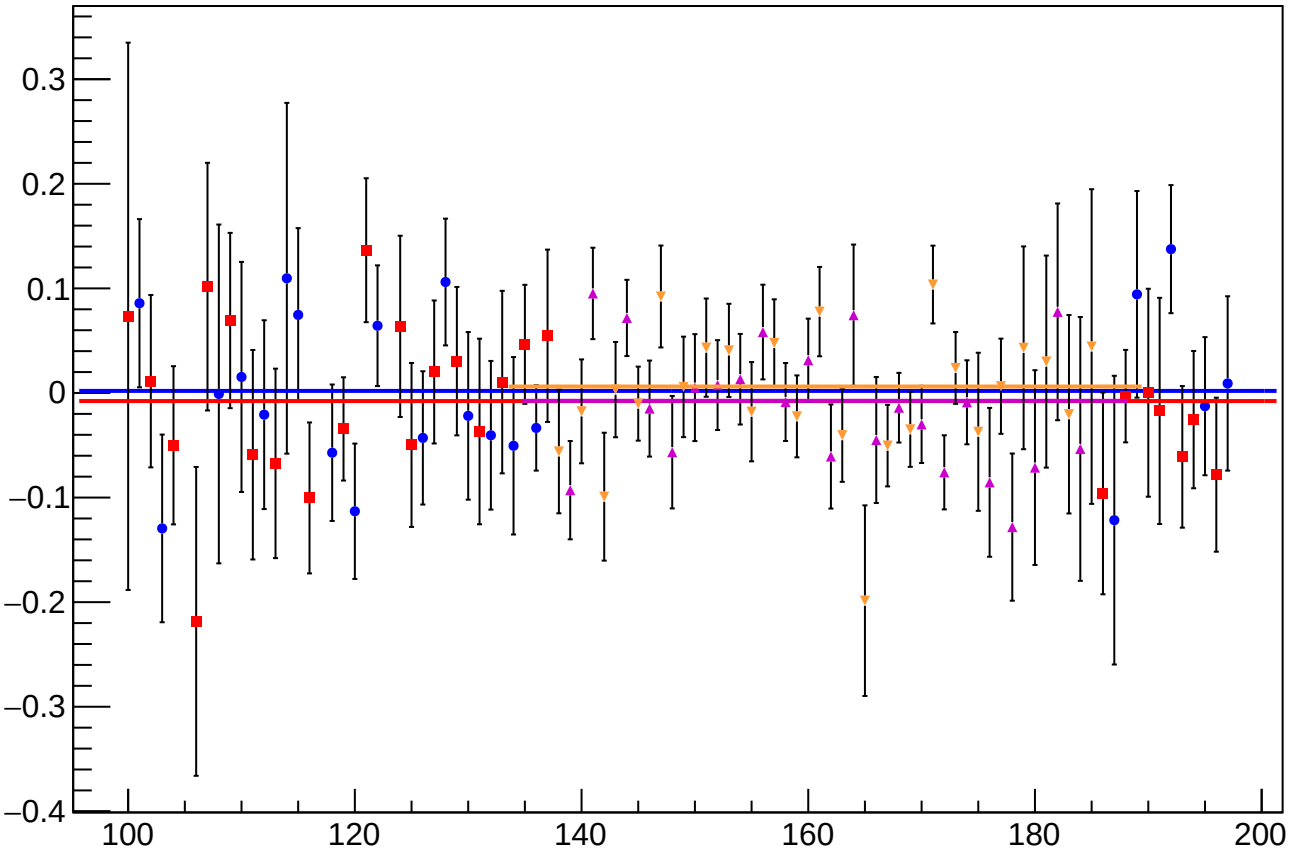
Right Out: 49.434+/-0.011 χ^2/NDF: 971542.6/25

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

\+ sign 42.507+/-0.006 χ^2/NDF: 4381403.8/45

All: 42.561+/-0.004 χ^2/NDF: 7866792.5/94

\- sign 42.615+/-0.006 χ^2/NDF: 3485217.0/48



Right In: 0.002+/-0.016 χ^2/NDF: 21.3/20

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

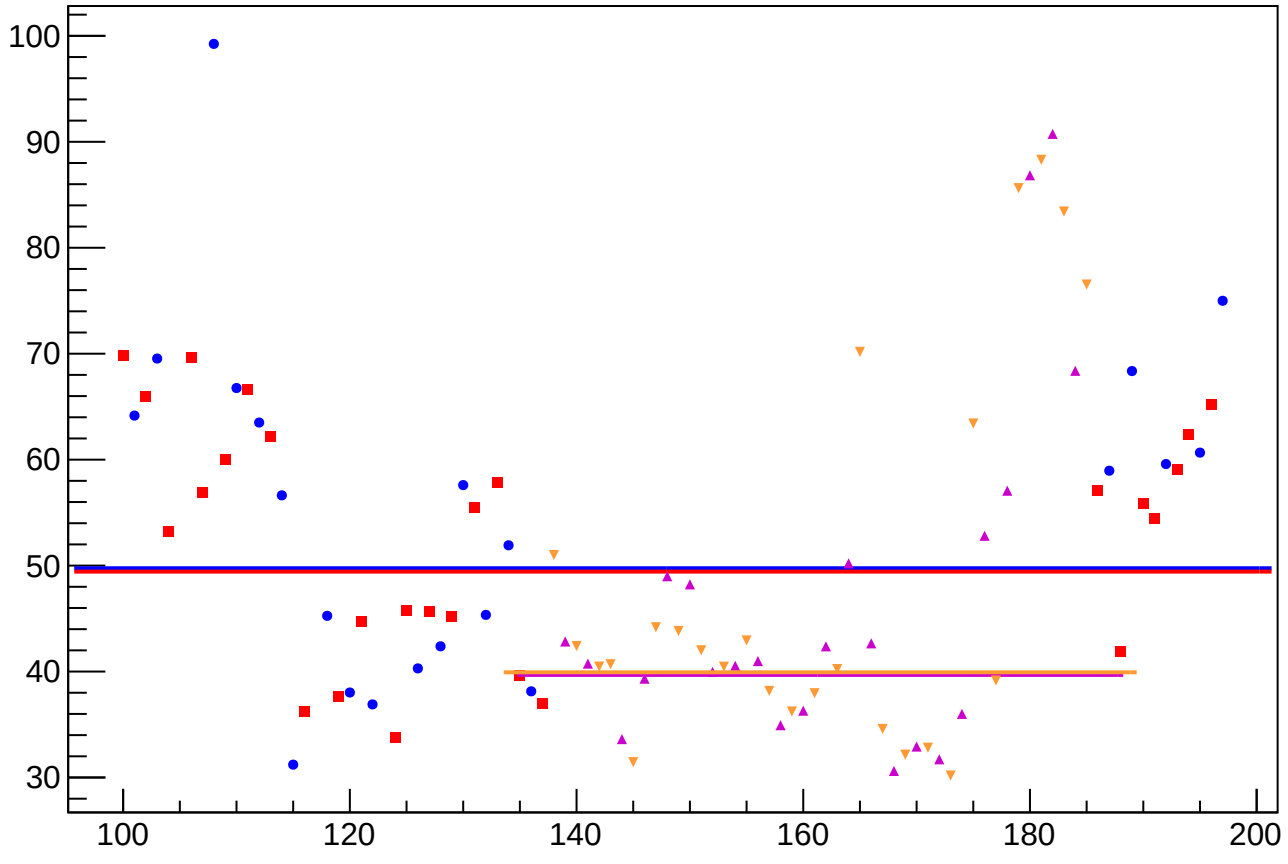
Right Out: -0.008+/-0.015 χ^2/NDF: 16.8/25

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.2/45

All: -0.001+/-0.006 χ^2/NDF: 100.5/94

- sign -0.008+/-0.008 χ^2/NDF: 47.2/48



Right In: 49.750+/-0.011 χ^2/NDF: 1353418.3/20

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

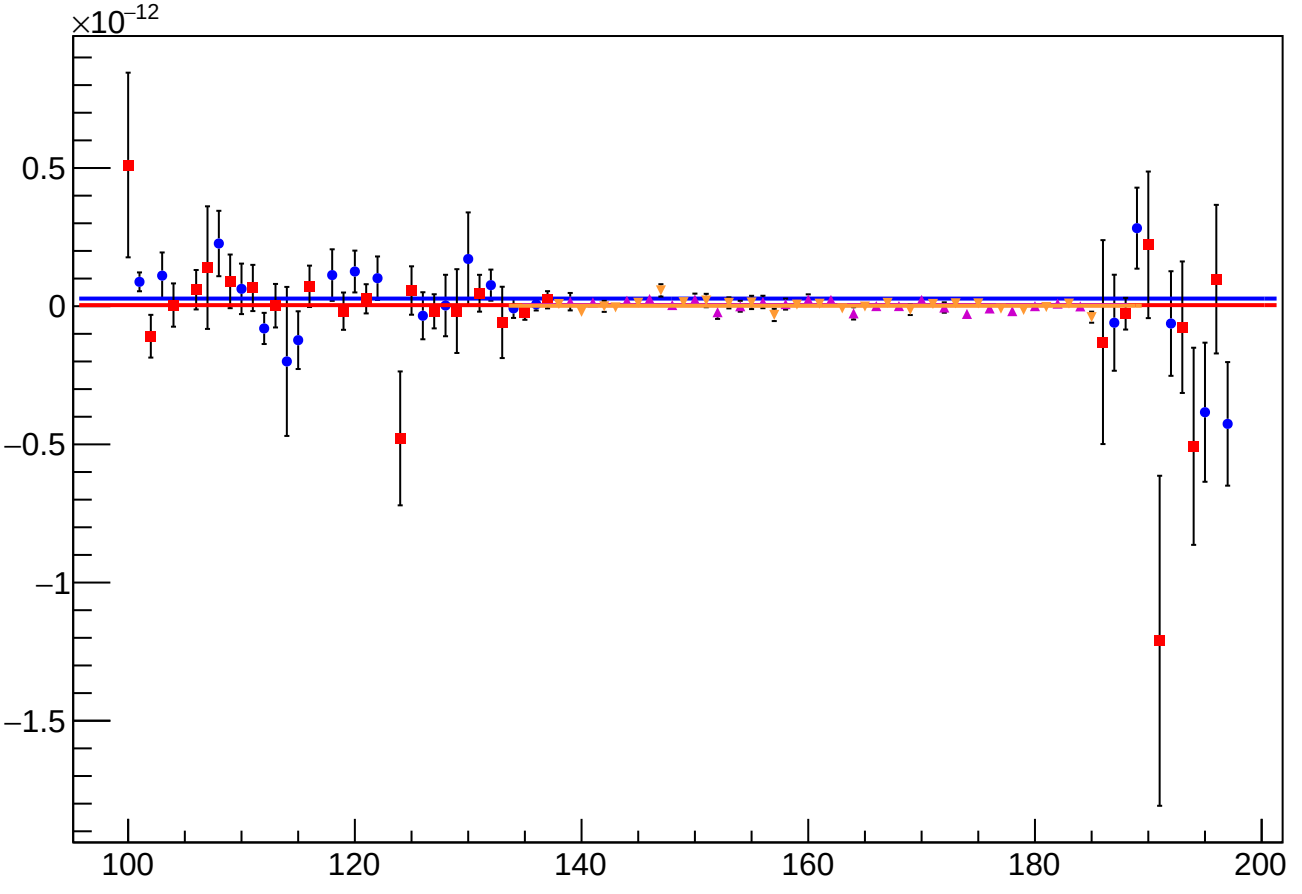
Right Out: 49.434+/-0.011 χ^2/NDF: 971542.6/25

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 42.507+/-0.006 χ^2/NDF: 4381403.8/45

All: 42.561+/-0.004 χ^2/NDF: 7866792.5/94

- sign 42.615+/-0.006 χ^2/NDF: 3485217.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 31.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

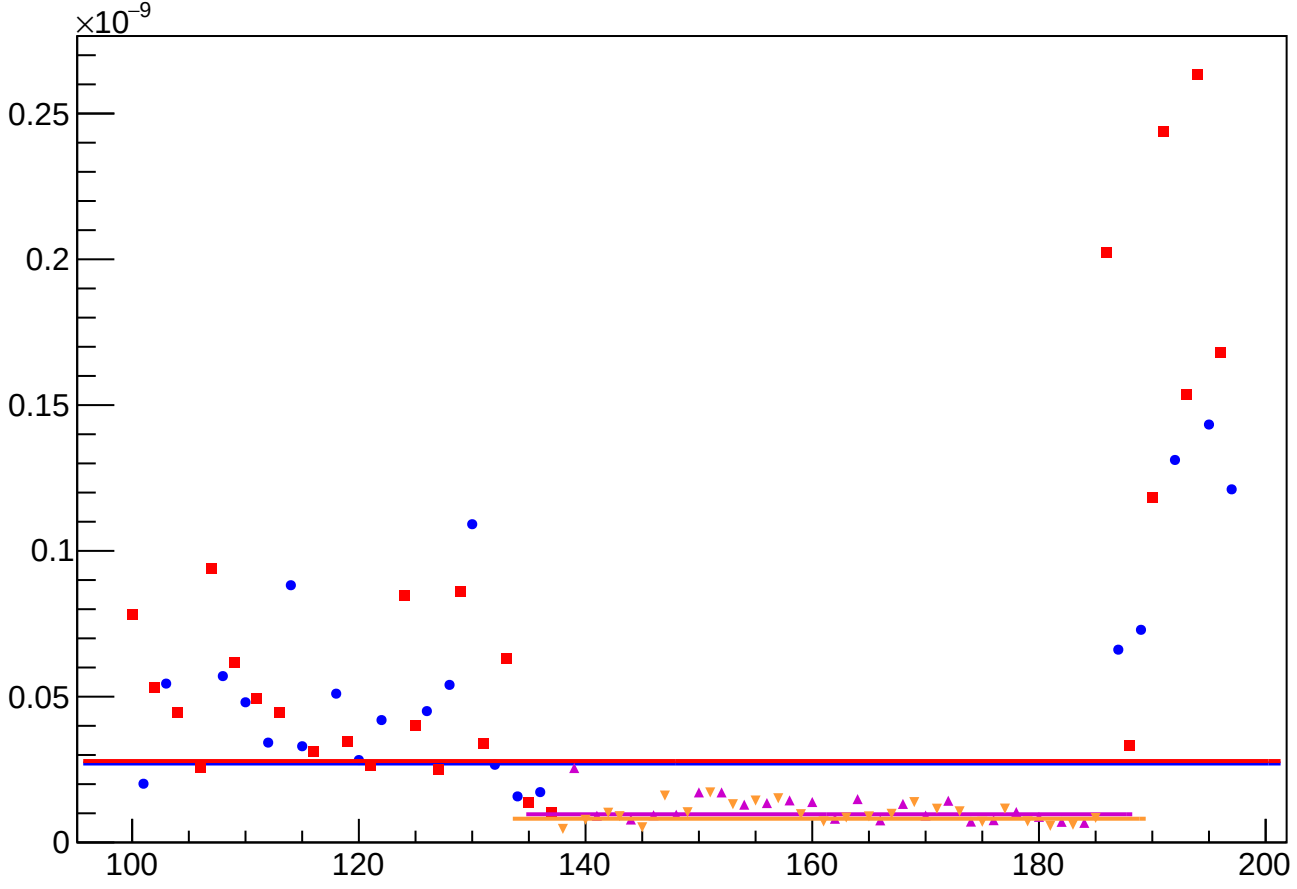
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/25

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.8/45

All: 0.000+/-0.000 χ^2/NDF: 112.2/94

- sign 0.000+/-0.000 χ^2/NDF: 49.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 3837452.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5771353.2/25

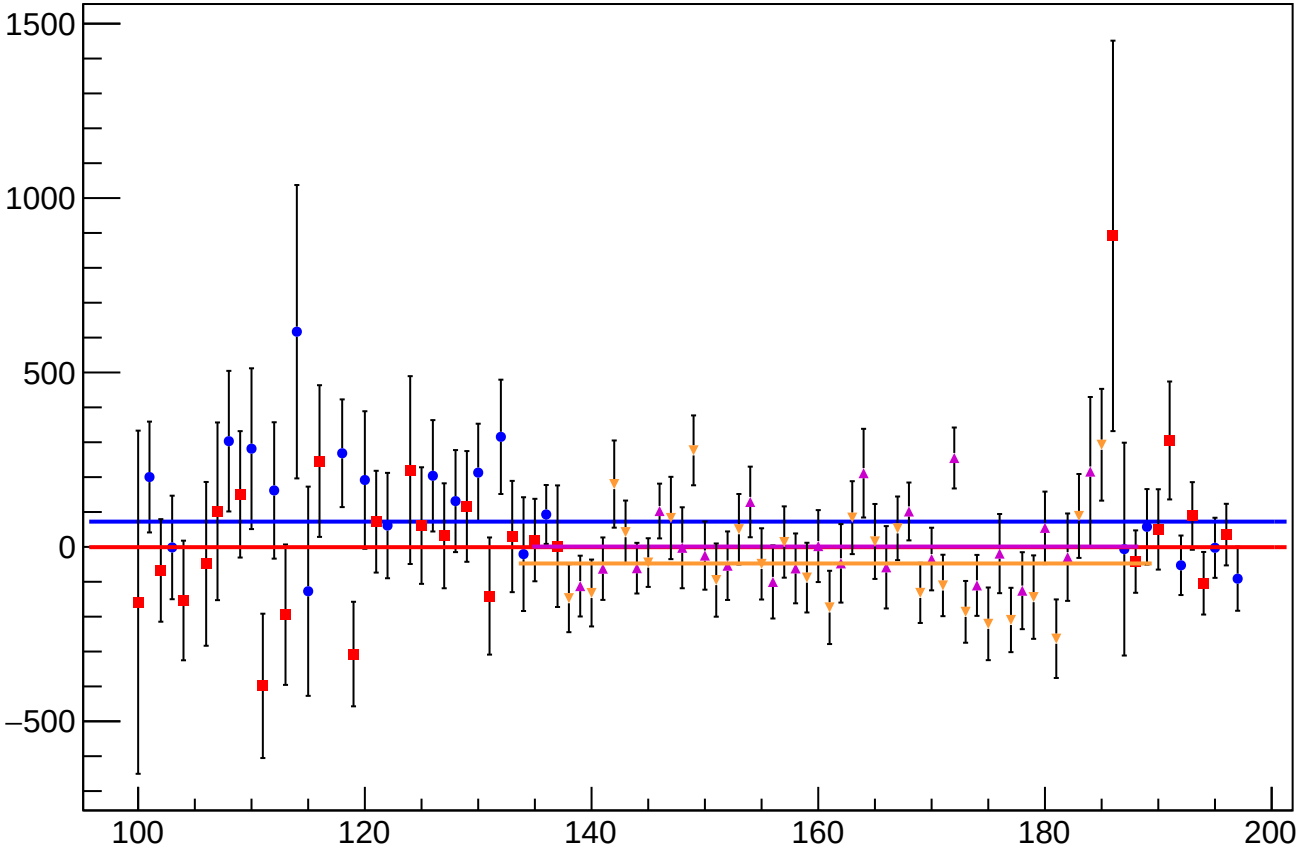
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10074611.7/45

All: 0.000+/-0.000 χ^2/NDF: 21645771.8/94

- sign 0.000+/-0.000 χ^2/NDF: 11201579.0/48

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 72.442+/-29.860 χ^2/NDF: 17.9/20

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -0.792+/-28.637 χ^2/NDF: 23.1/25

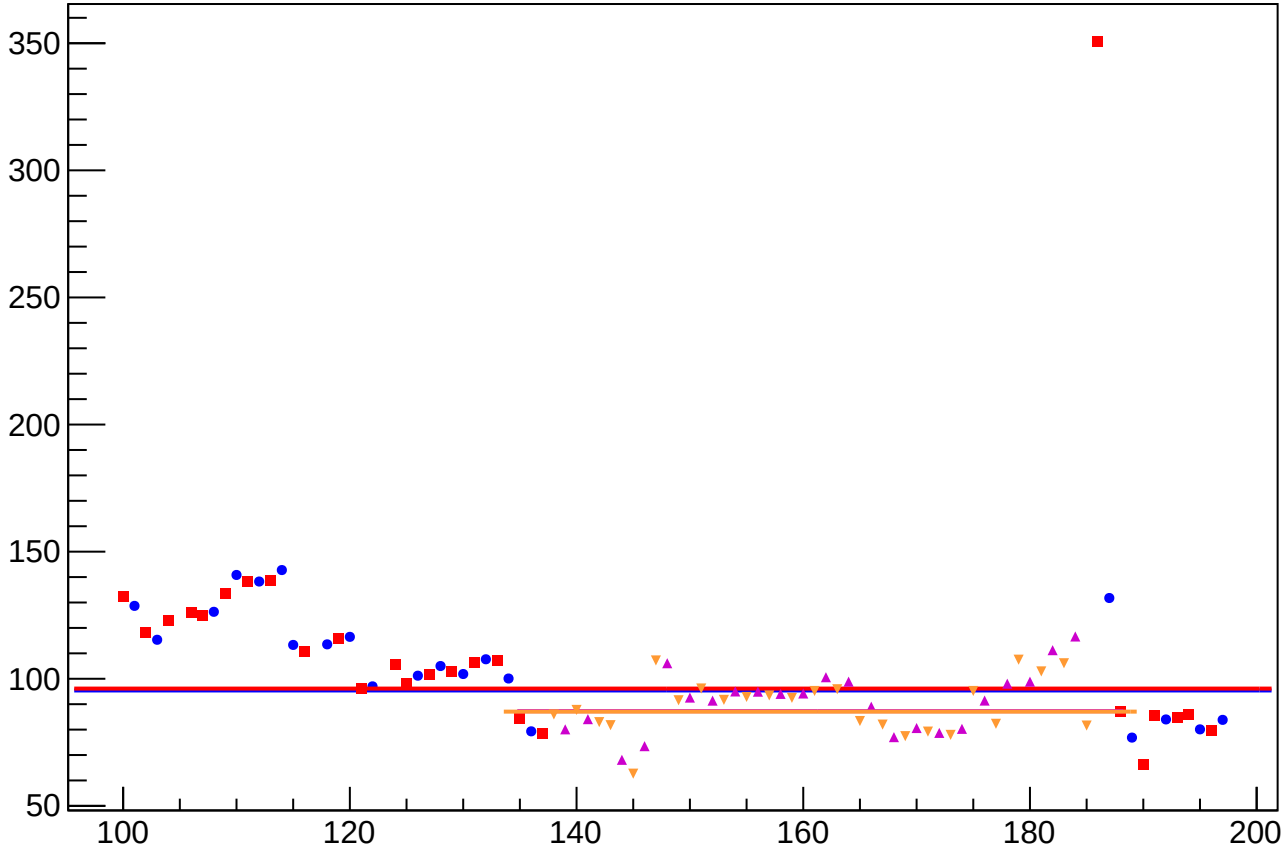
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -10.415+/-16.607 χ^2/NDF: 73.1/45

All: -5.056+/-11.784 χ^2/NDF: 121.8/94

- sign 0.380+/-16.725 χ^2/NDF: 48.6/48

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 95.398+/-0.021 χ^2/NDF: 746628.1/20

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

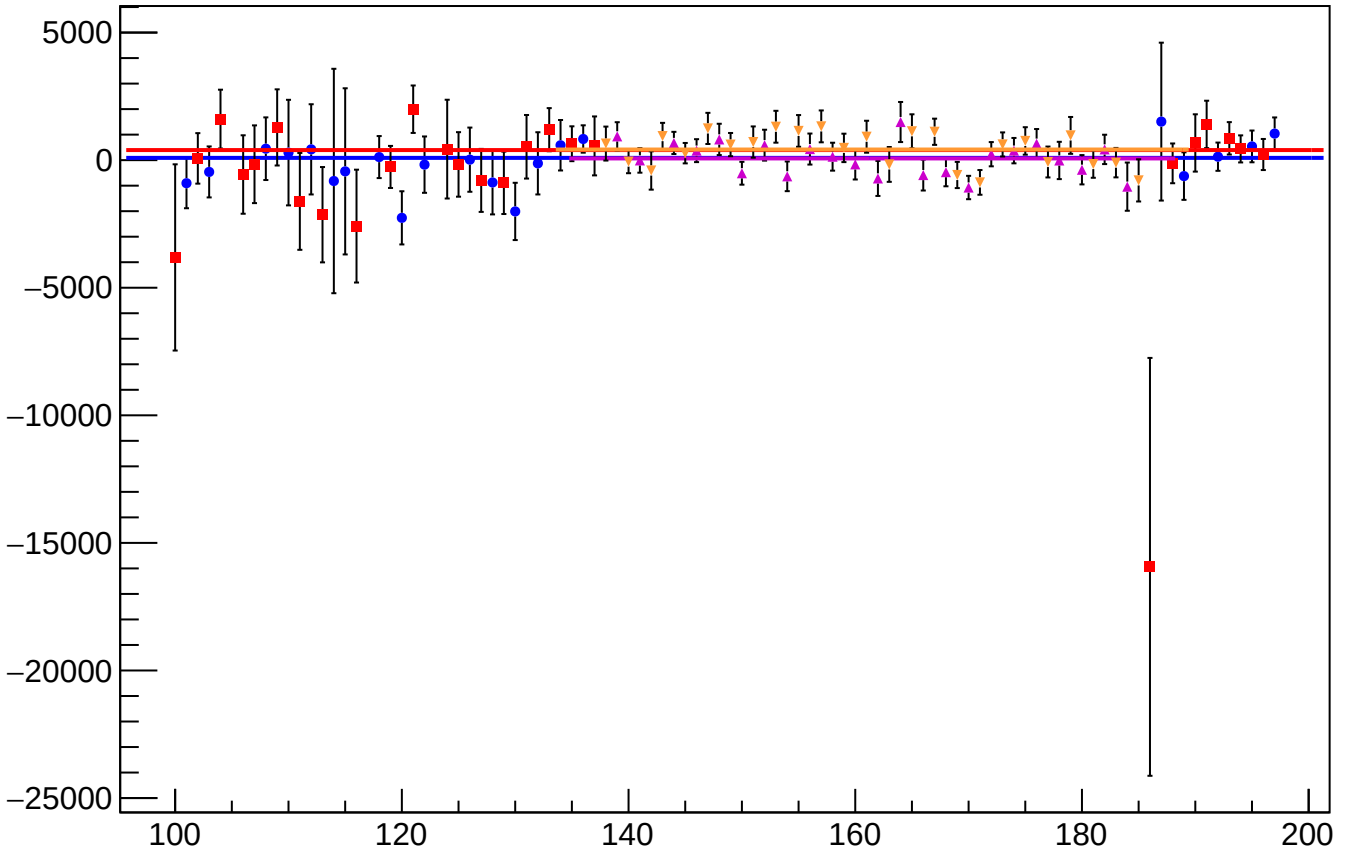
Right Out: 96.139+/-0.020 χ^2/NDF: 1232033.9/25

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.647+/-0.012 χ^2/NDF: 1474668.5/45

All: 89.965+/-0.008 χ^2/NDF: 3430737.3/94

- sign 90.286+/-0.012 χ^2/NDF: 1954599.8/48



Right In: 89.142+/-206.448 χ^2/NDF: 16.5/20

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 394.865+/-195.936 χ^2/NDF: 21.4/25

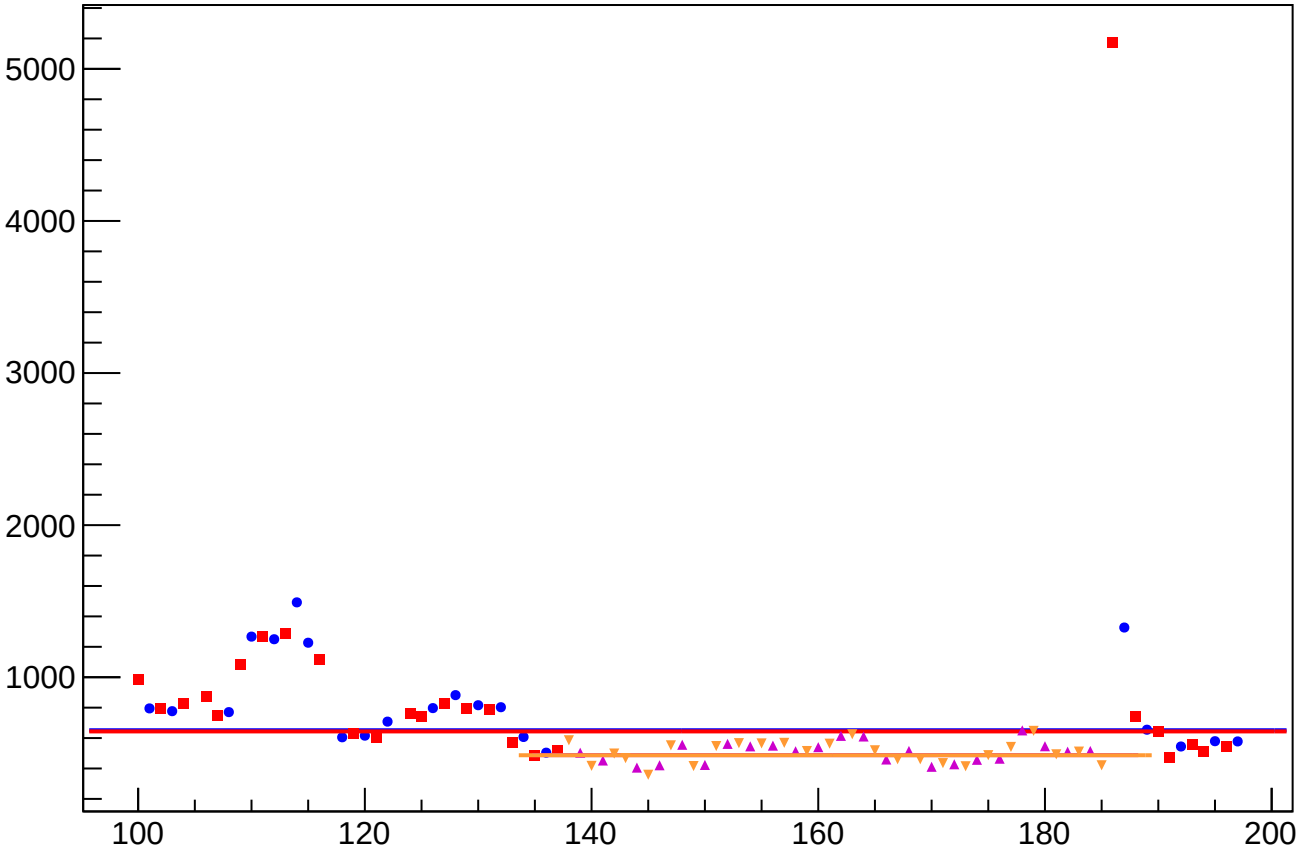
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 341.658+/-98.674 χ^2/NDF: 50.9/45

All: 247.183+/-70.045 χ^2/NDF: 103.7/94

- sign 151.220+/-99.448 χ^2/NDF: 51.0/48

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 651.533+/-0.146 χ^2/NDF: 1196755.0/20

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 643.728+/-0.139 χ^2/NDF: 2091071.0/25

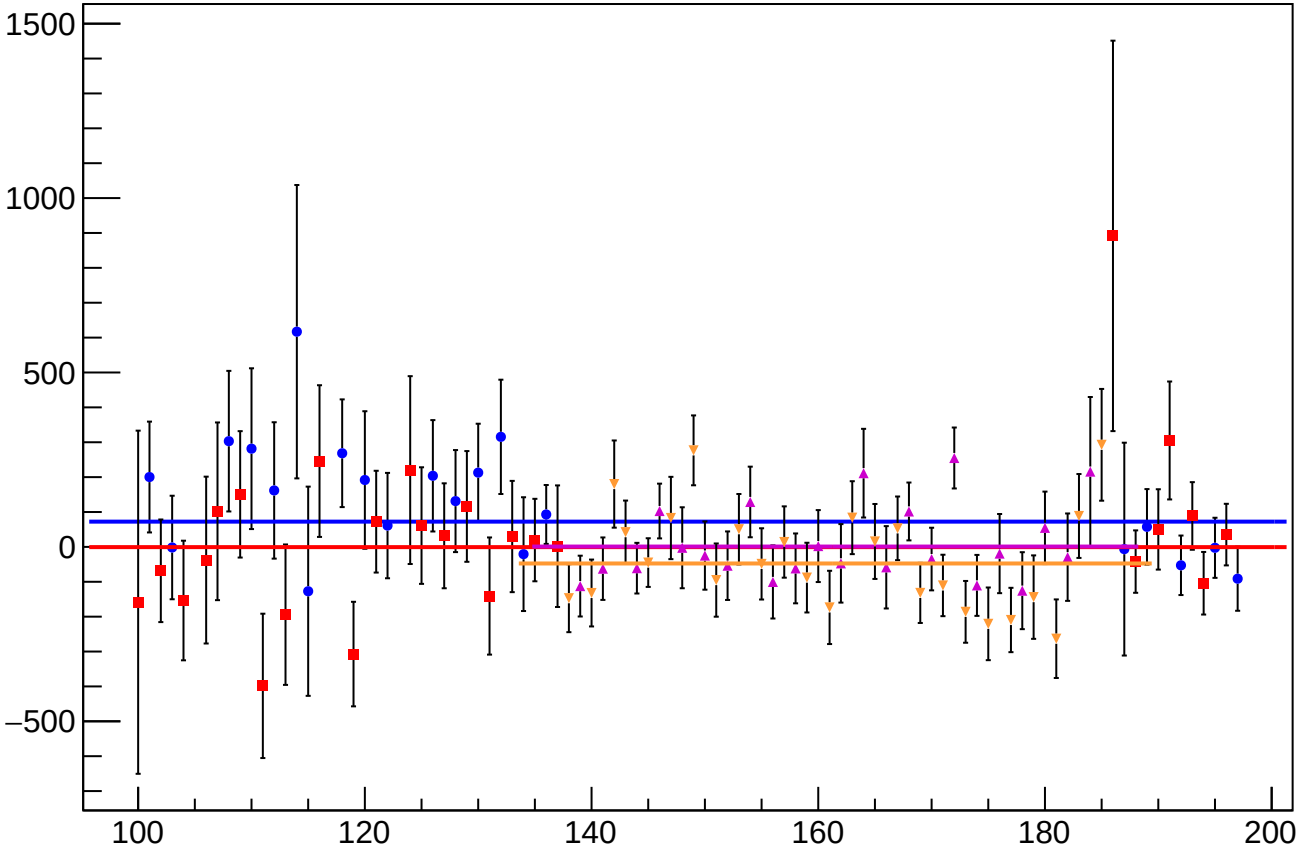
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 524.649+/-0.070 χ^2/NDF: 2997183.1/45

All: 526.344+/-0.050 χ^2/NDF: 6662474.3/94

- sign 528.065+/-0.070 χ^2/NDF: 3664102.2/48

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 72.432+/-29.860 χ^2/NDF: 17.9/20

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -0.647+/-28.645 χ^2/NDF: 23.1/25

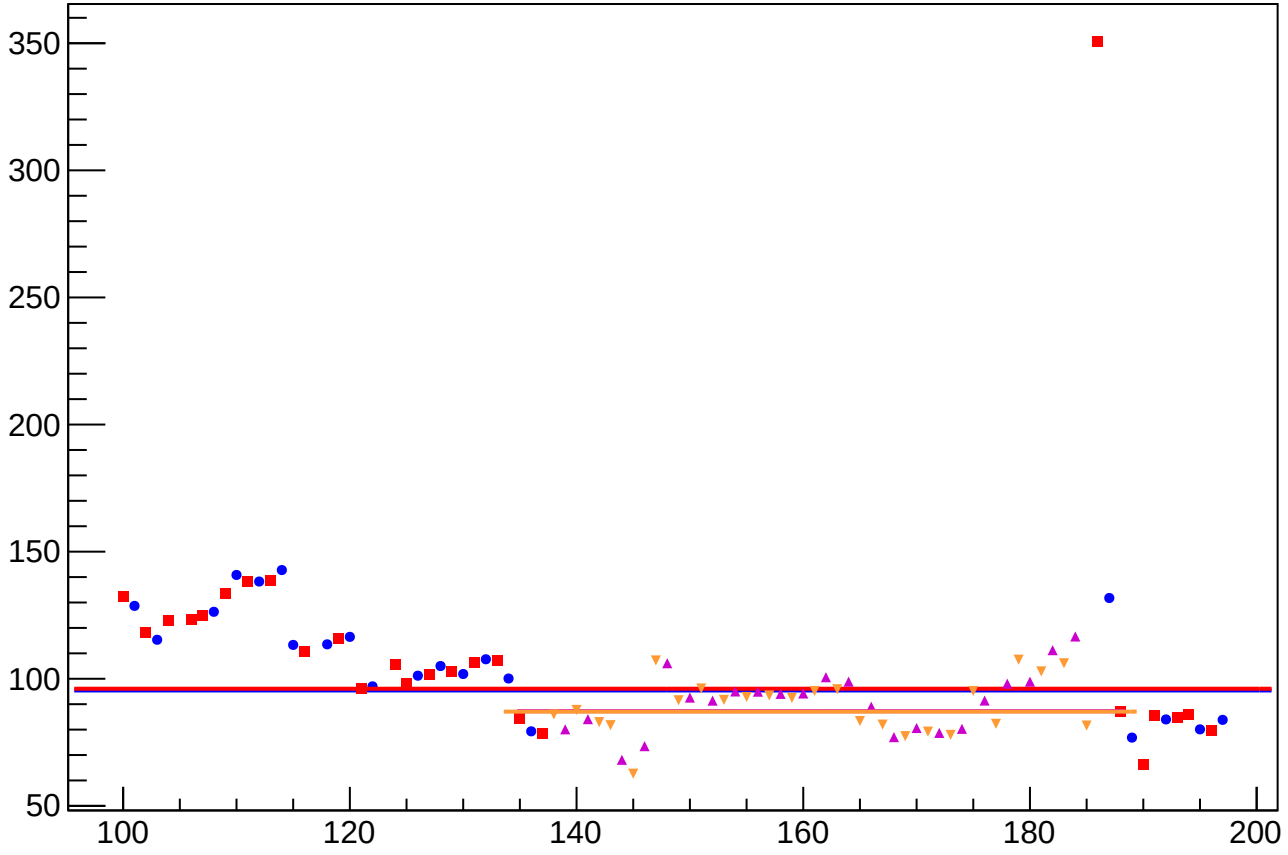
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -10.424+/-16.607 χ^2/NDF: 73.1/45

All: -5.035+/-11.785 χ^2/NDF: 121.8/94

- sign 0.431+/-16.726 χ^2/NDF: 48.5/48

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 95.398+/-0.021 χ^2/NDF: 746628.4/20

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

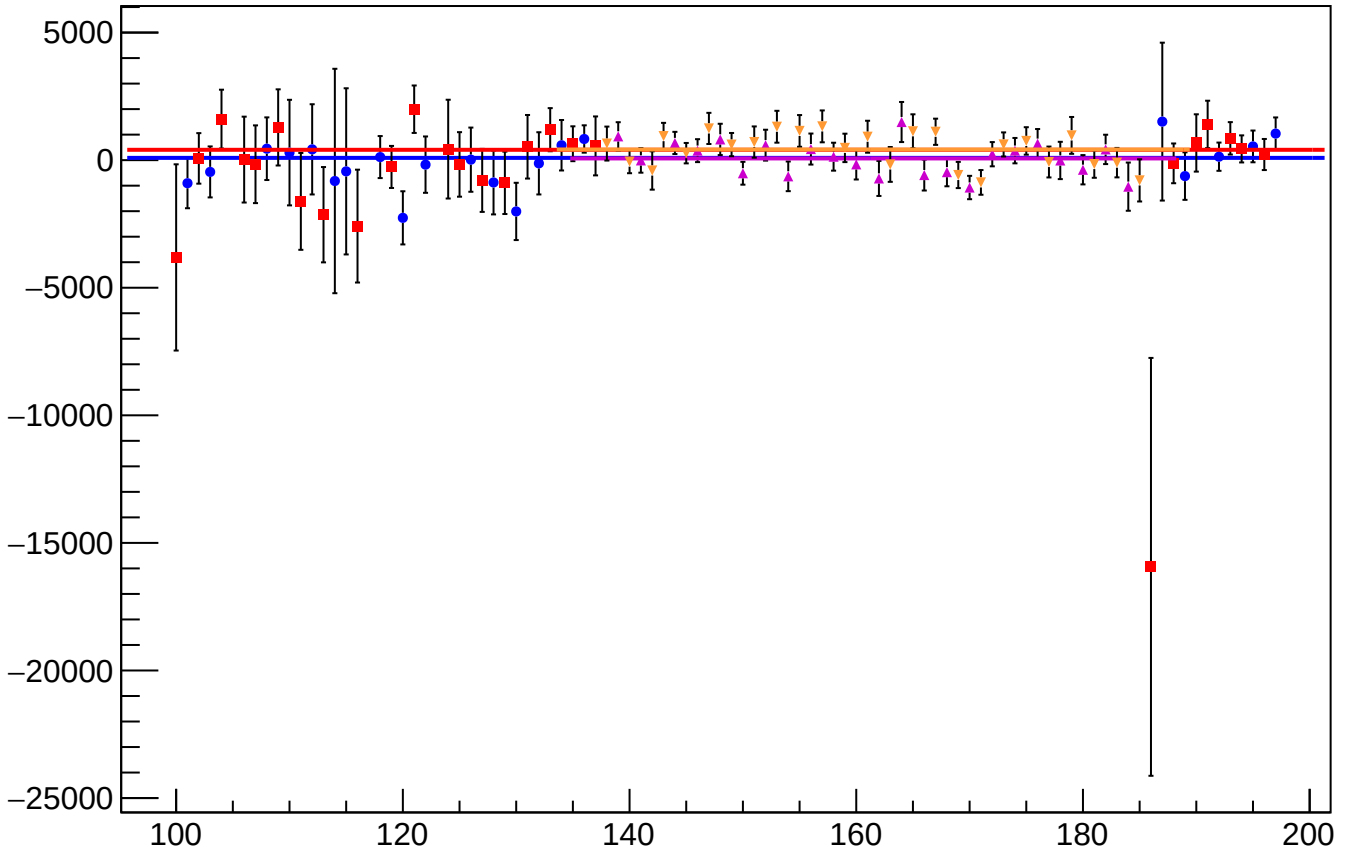
Right Out: 96.083+/-0.020 χ^2/NDF: 1225326.7/25

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.647+/-0.012 χ^2/NDF: 1474668.9/45

All: 89.954+/-0.008 χ^2/NDF: 3422301.4/94

- sign 90.266+/-0.012 χ^2/NDF: 1946255.0/48



Right In: 89.145+/-206.449 χ^2/NDF: 16.5/20

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 405.390+/-196.205 χ^2/NDF: 21.0/25

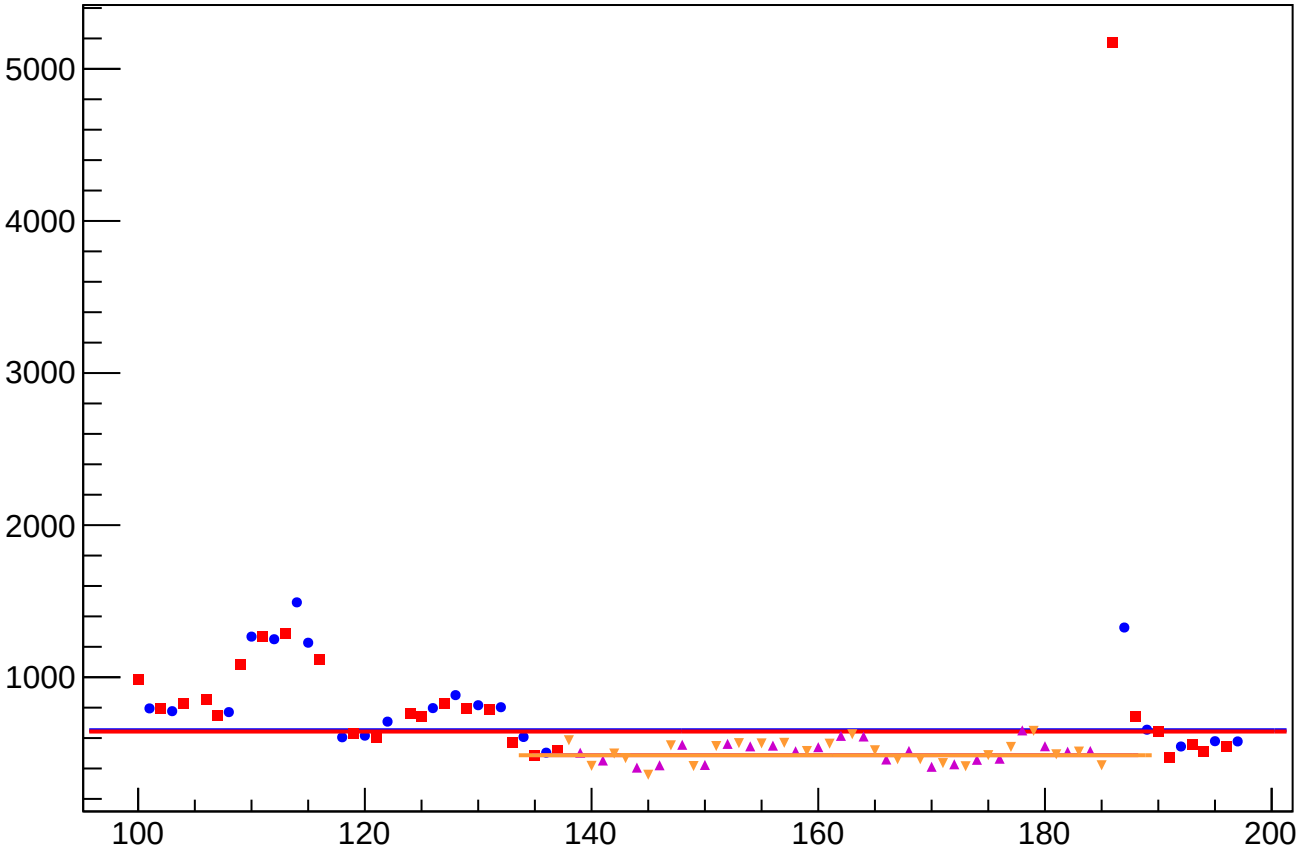
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 341.653+/-98.674 χ^2/NDF: 50.9/45

All: 248.470+/-70.057 χ^2/NDF: 103.5/94

- sign 153.753+/-99.483 χ^2/NDF: 50.8/48

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 651.533+/-0.146 χ^2/NDF: 1196767.0/20

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 642.841+/-0.139 χ^2/NDF: 2077502.9/25

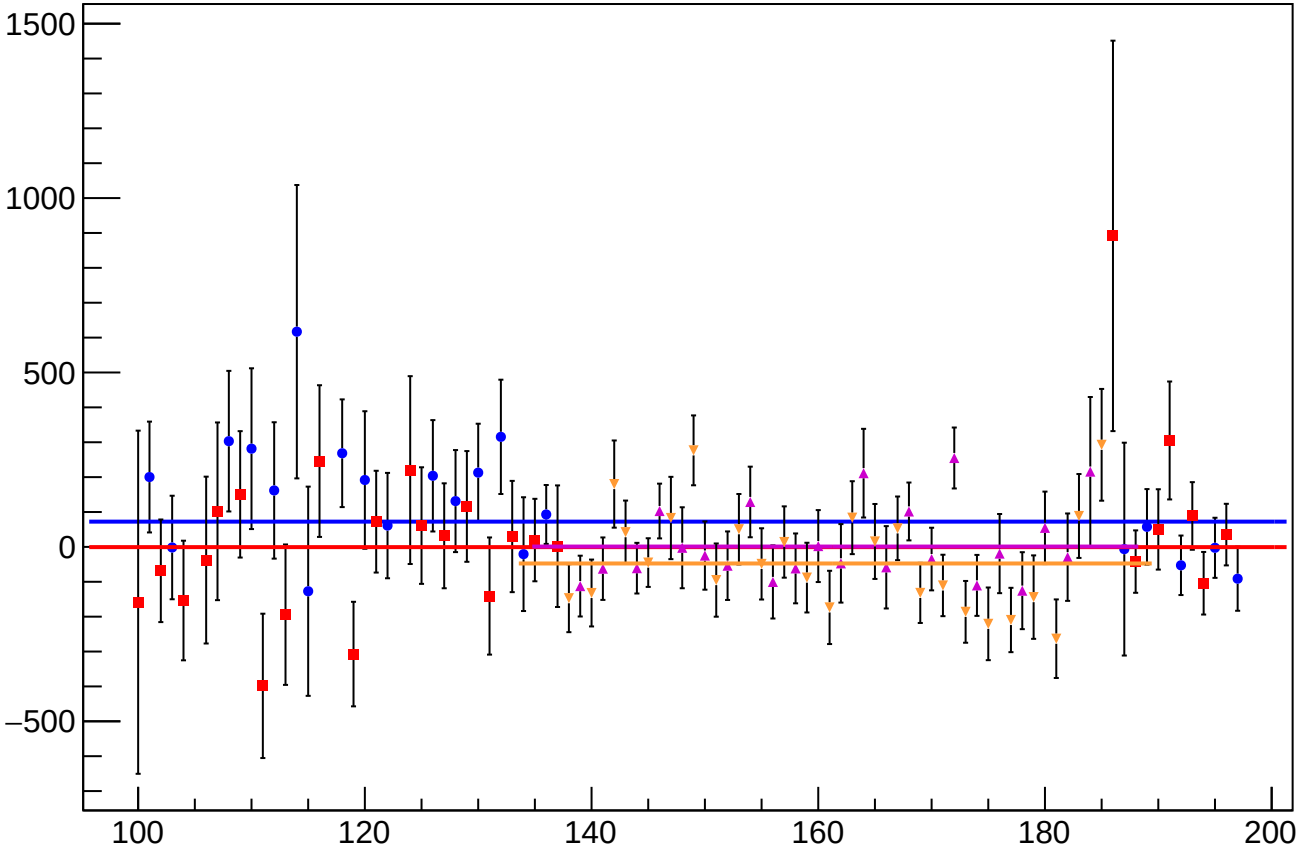
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 524.649+/-0.070 χ^2/NDF: 2997188.9/45

All: 526.190+/-0.050 χ^2/NDF: 6636164.0/94

- sign 527.755+/-0.070 χ^2/NDF: 3637992.2/48

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 72.432+/-29.860 χ^2/NDF: 17.9/20

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -0.647+/-28.645 χ^2/NDF: 23.1/25

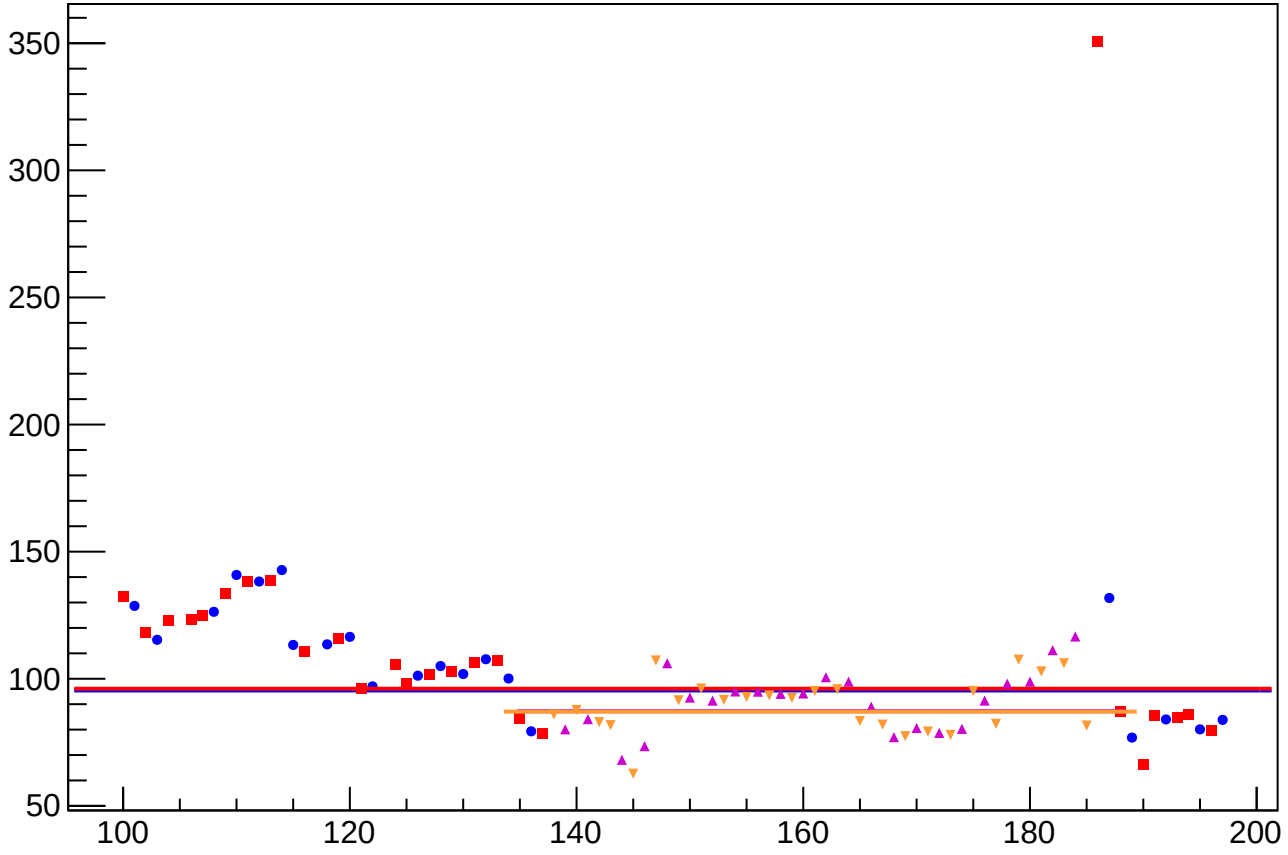
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -10.424+/-16.607 χ^2/NDF: 73.1/45

All: -5.035+/-11.785 χ^2/NDF: 121.8/94

- sign 0.431+/-16.726 χ^2/NDF: 48.5/48

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 95.398+/-0.021 χ^2/NDF: 746628.4/20

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

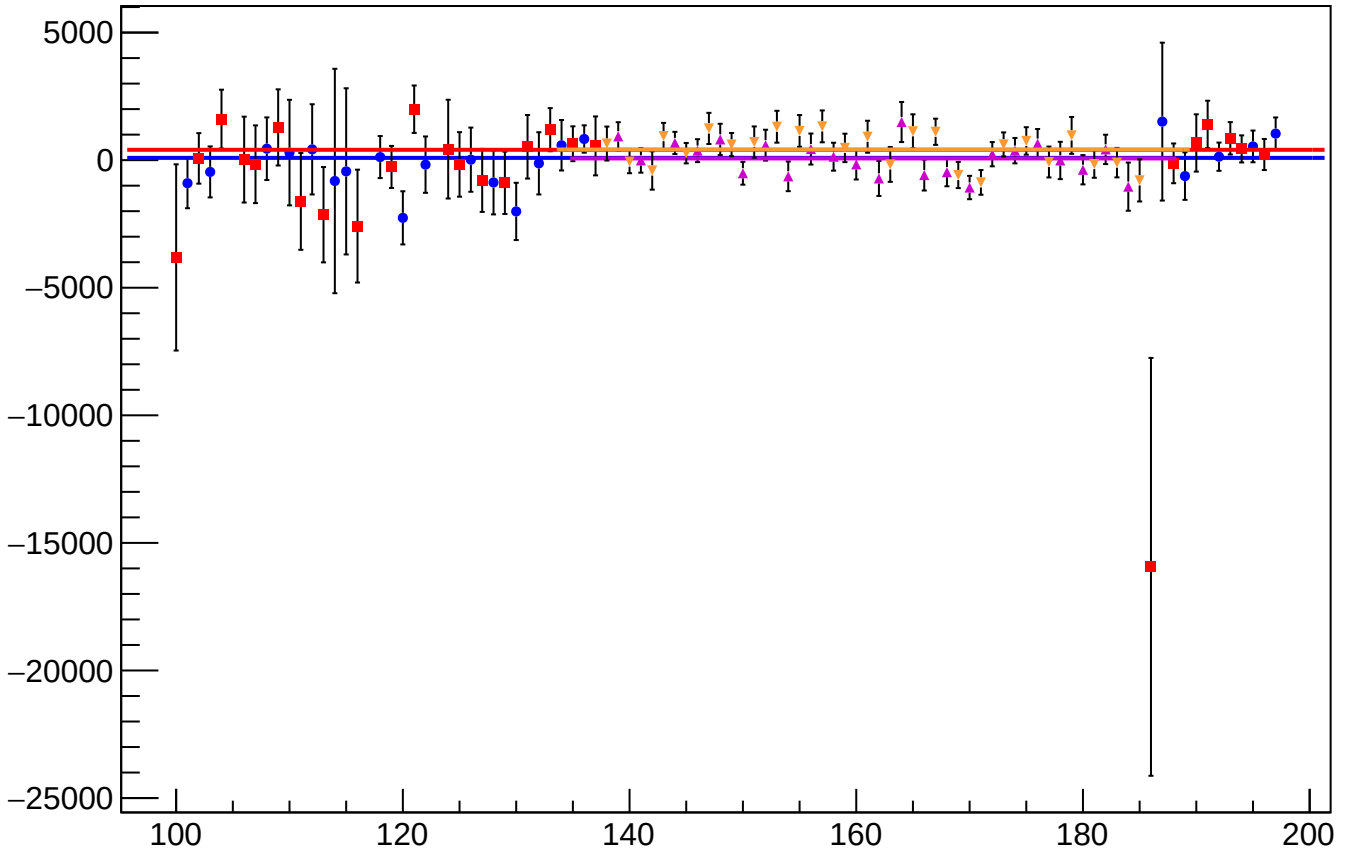
Right Out: 96.083+/-0.020 χ^2/NDF: 1225326.7/25

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 89.647+/-0.012 χ^2/NDF: 1474668.9/45

All: 89.954+/-0.008 χ^2/NDF: 3422301.4/94

- sign 90.266+/-0.012 χ^2/NDF: 1946255.0/48



Right In: 89.145+/-206.449 χ^2/NDF: 16.5/20

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 405.390+/-196.205 χ^2/NDF: 21.0/25

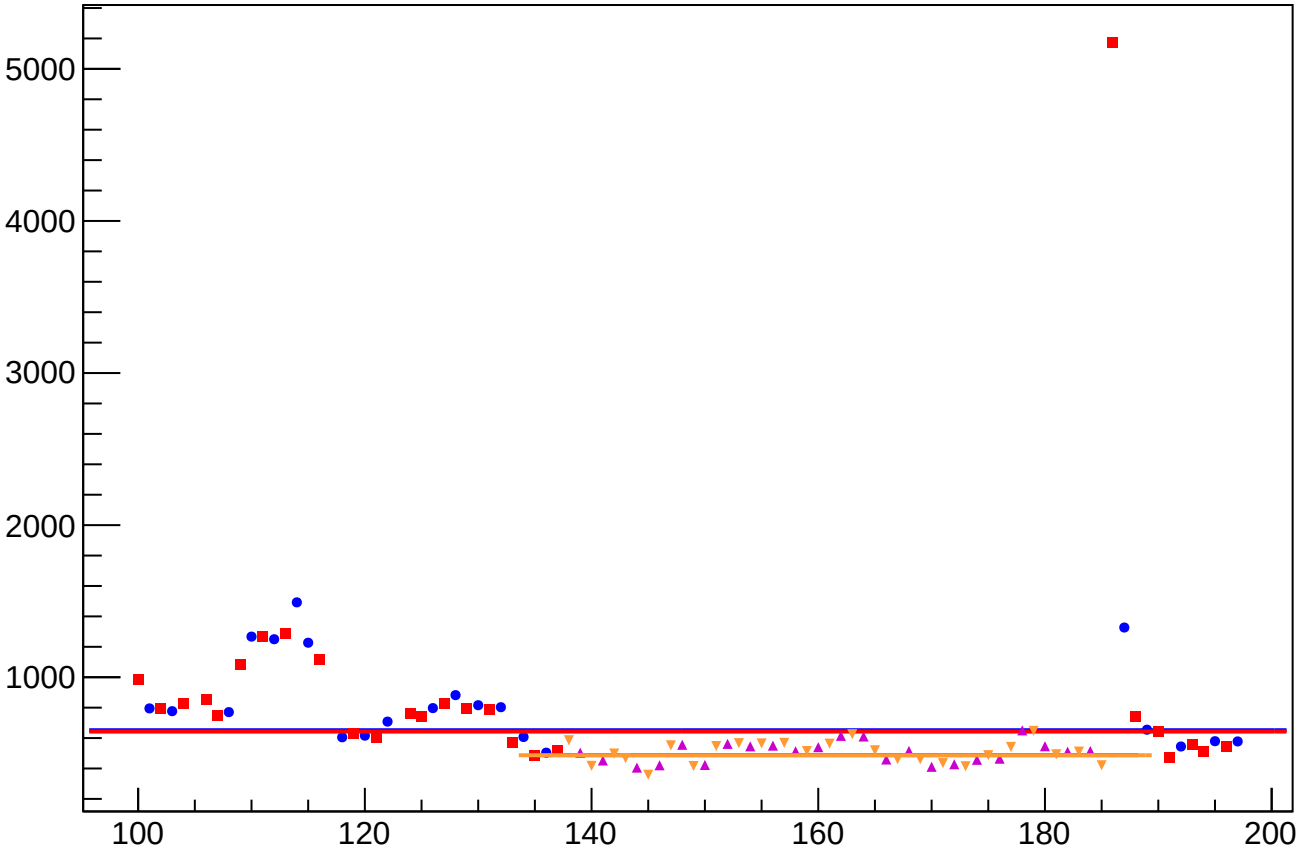
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 341.653+/-98.674 χ^2/NDF: 50.9/45

All: 248.470+/-70.057 χ^2/NDF: 103.5/94

- sign 153.753+/-99.483 χ^2/NDF: 50.8/48

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug



Right In: 651.533+/-0.146 χ^2/NDF: 1196767.0/20

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 642.841+/-0.139 χ^2/NDF: 2077502.9/25

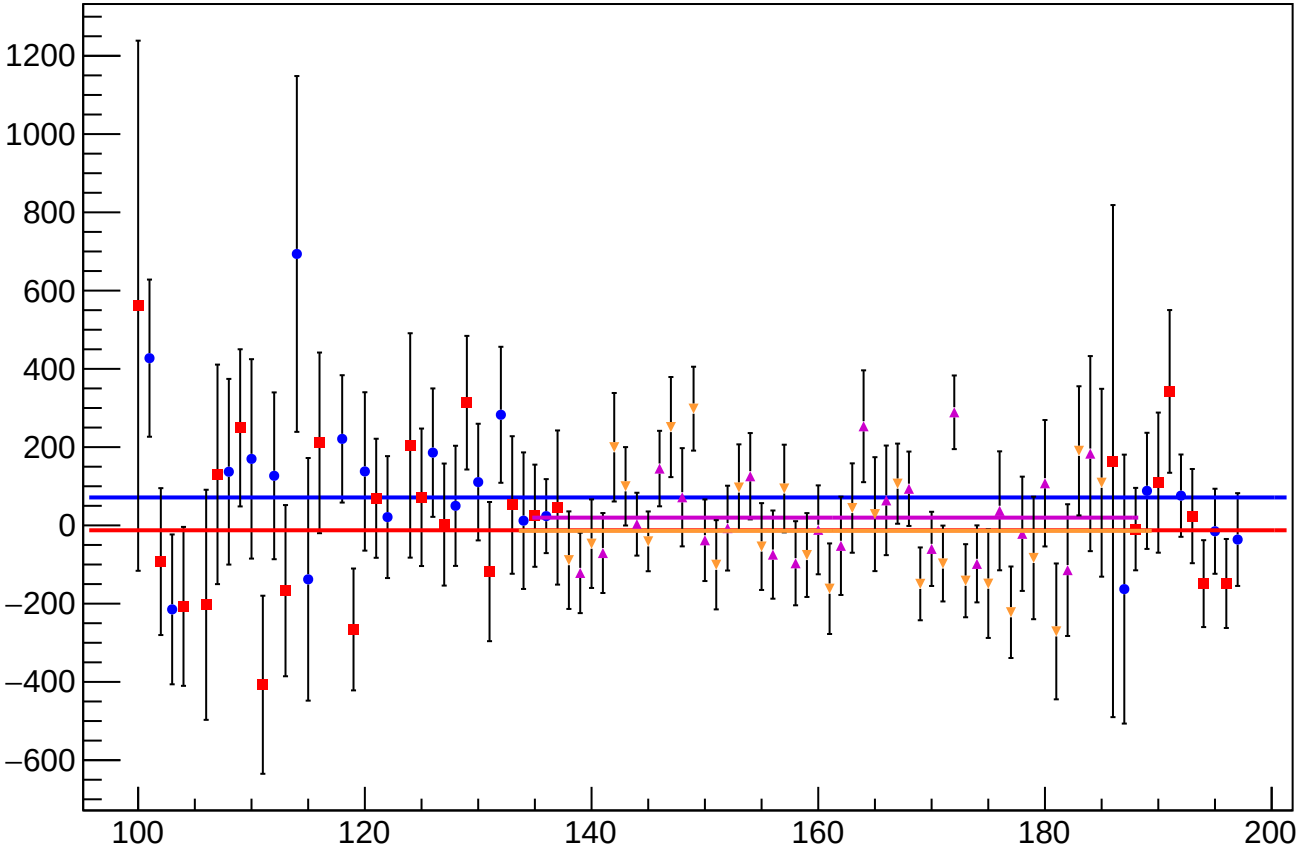
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 524.649+/-0.070 χ^2/NDF: 2997188.9/45

All: 526.190+/-0.050 χ^2/NDF: 6636164.0/94

- sign 527.755+/-0.070 χ^2/NDF: 3637992.2/48

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 71.407+/-34.745 χ^2/NDF: 13.4/20

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -12.493+/-33.521 χ^2/NDF: 23.2/25

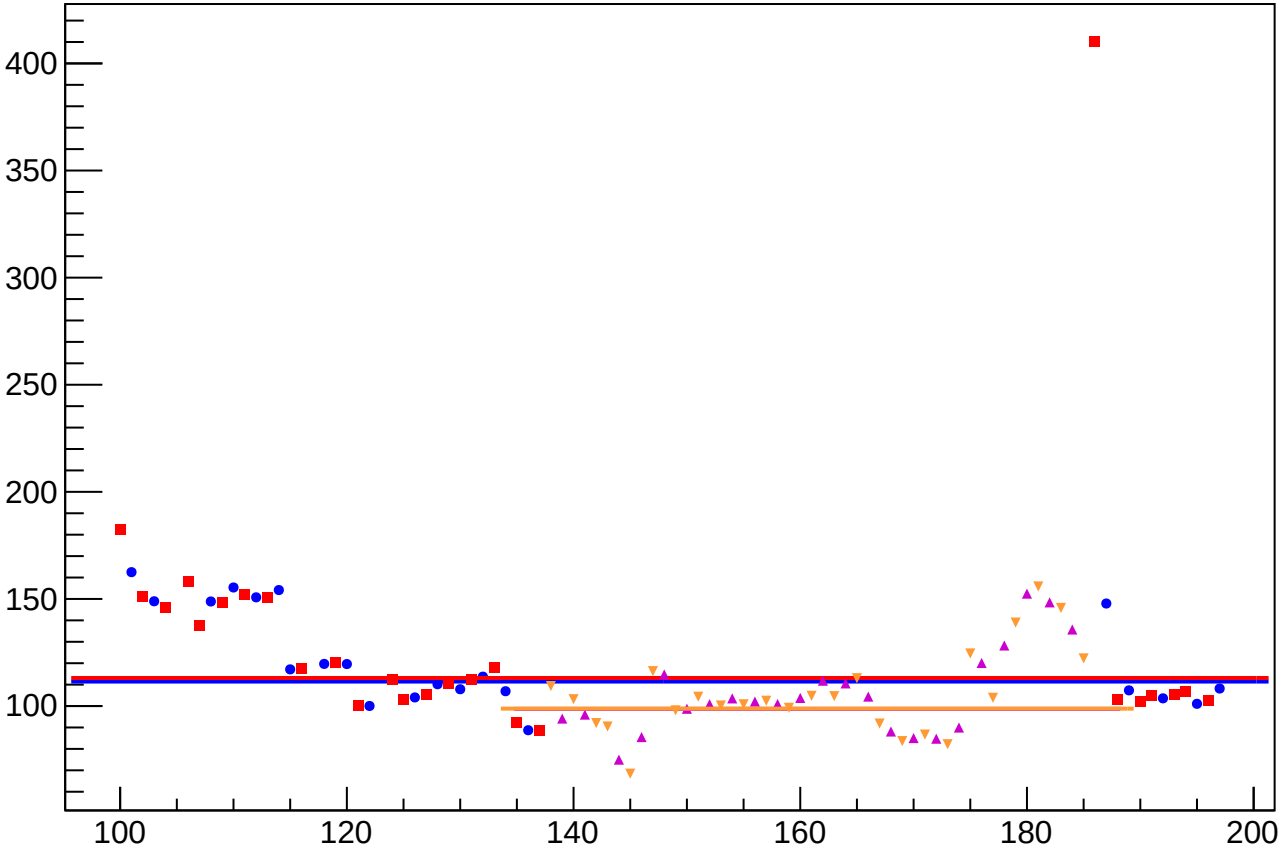
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 11.957+/-19.130 χ^2/NDF: 54.0/45

All: 10.549+/-13.580 χ^2/NDF: 101.1/94

- sign 9.119+/-19.281 χ^2/NDF: 47.1/48

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 111.440+/-0.025 χ^2/NDF: 597805.1/20

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 113.105+/-0.024 χ^2/NDF: 984805.3/25

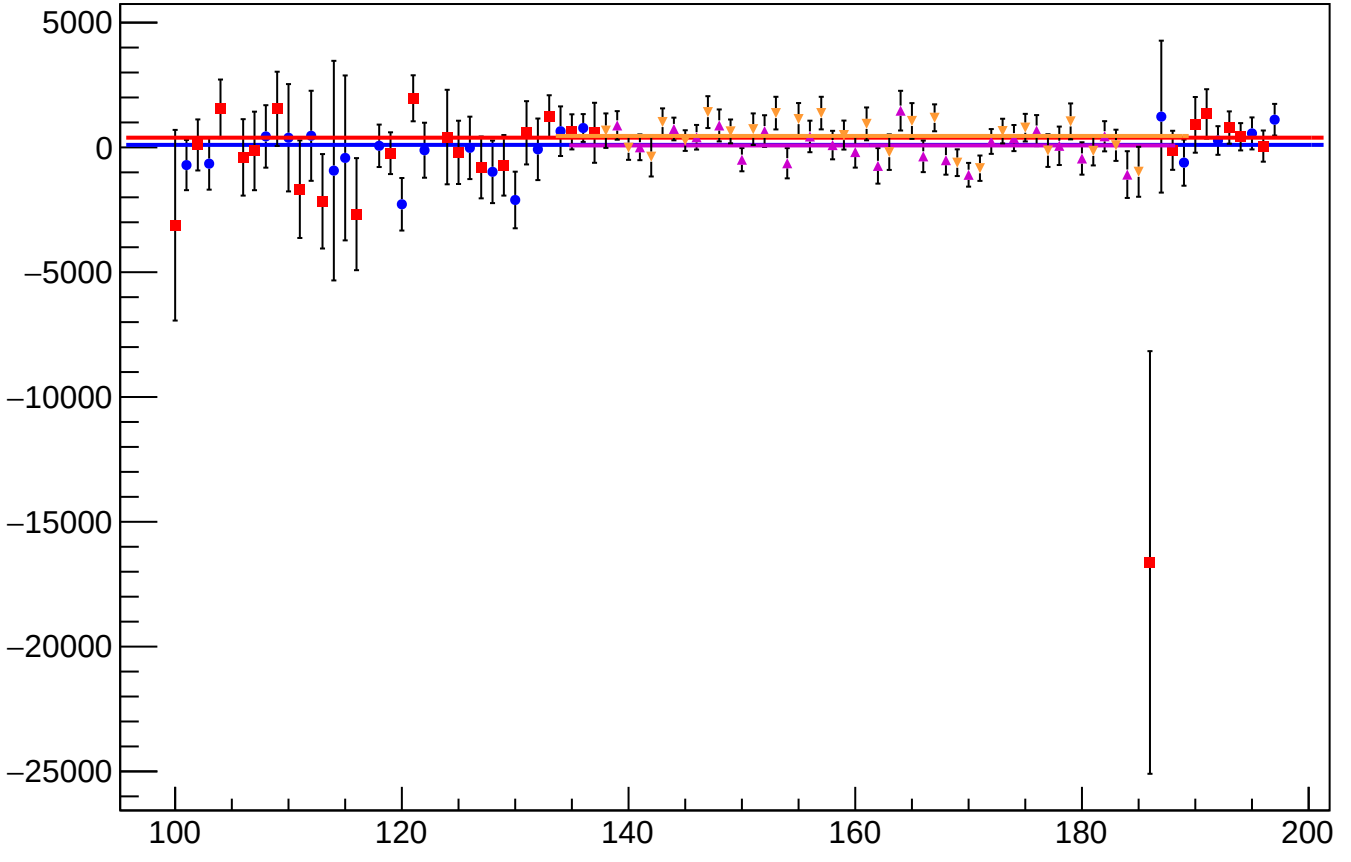
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.631+/-0.014 χ^2/NDF: 1968090.7/45

All: 103.036+/-0.010 χ^2/NDF: 4190587.6/94

- sign 103.448+/-0.014 χ^2/NDF: 2220686.9/48

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 100.929+/-210.806 χ^2/NDF: 16.7/20

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 389.615+/-199.483 χ^2/NDF: 20.6/25

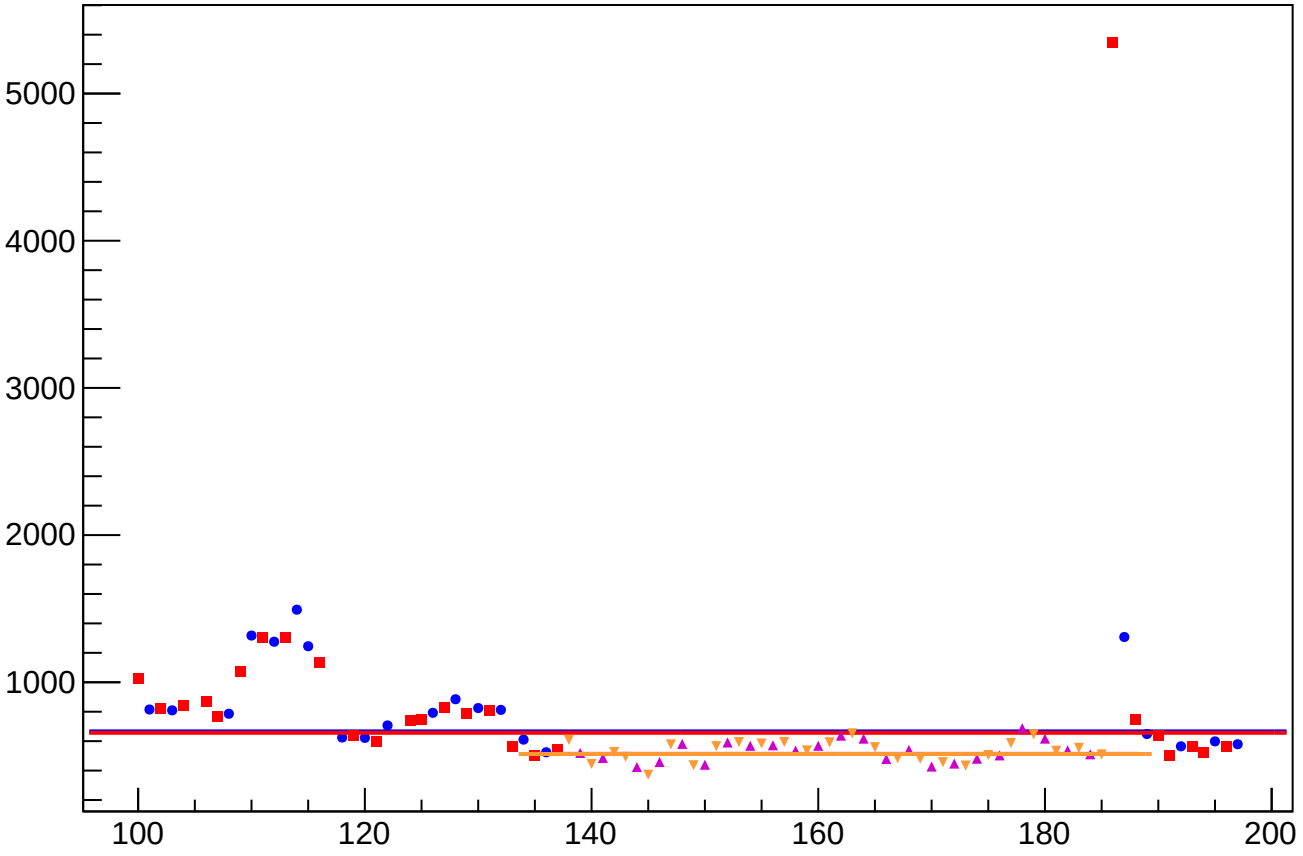
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 373.522+/-103.040 χ^2/NDF: 49.7/45

All: 268.878+/-73.102 χ^2/NDF: 100.4/94

- sign 162.833+/-103.728 χ^2/NDF: 48.6/48

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 666.288+/-0.149 χ^2/NDF: 1150614.4/20

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 656.785+/-0.141 χ^2/NDF: 2021227.2/25

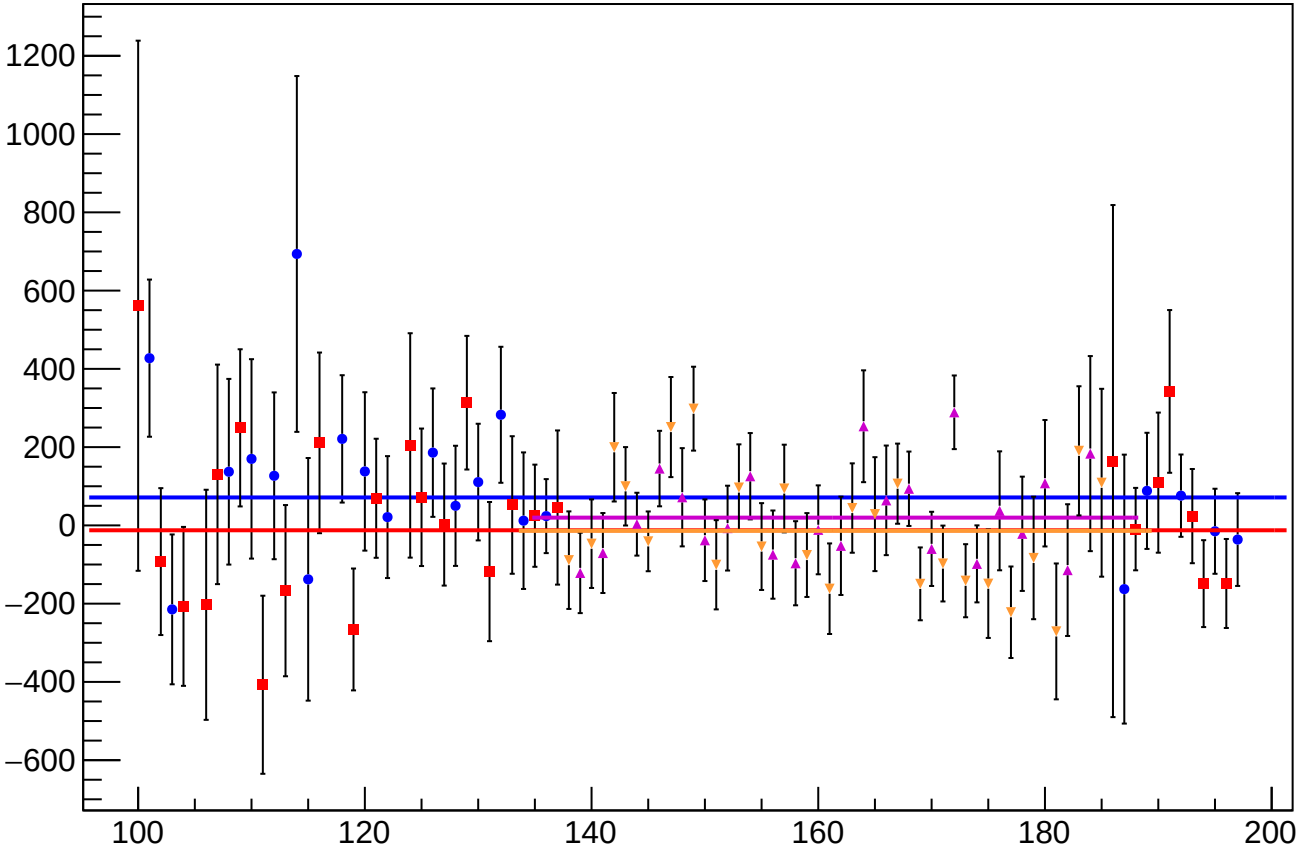
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 549.447+/-0.073 χ^2/NDF: 2757133.3/45

All: 550.790+/-0.052 χ^2/NDF: 6167218.5/94

- sign 552.150+/-0.073 χ^2/NDF: 3409401.4/48

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 71.407+/-34.745 χ^2/NDF: 13.4/20

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -12.494+/-33.521 χ^2/NDF: 23.2/25

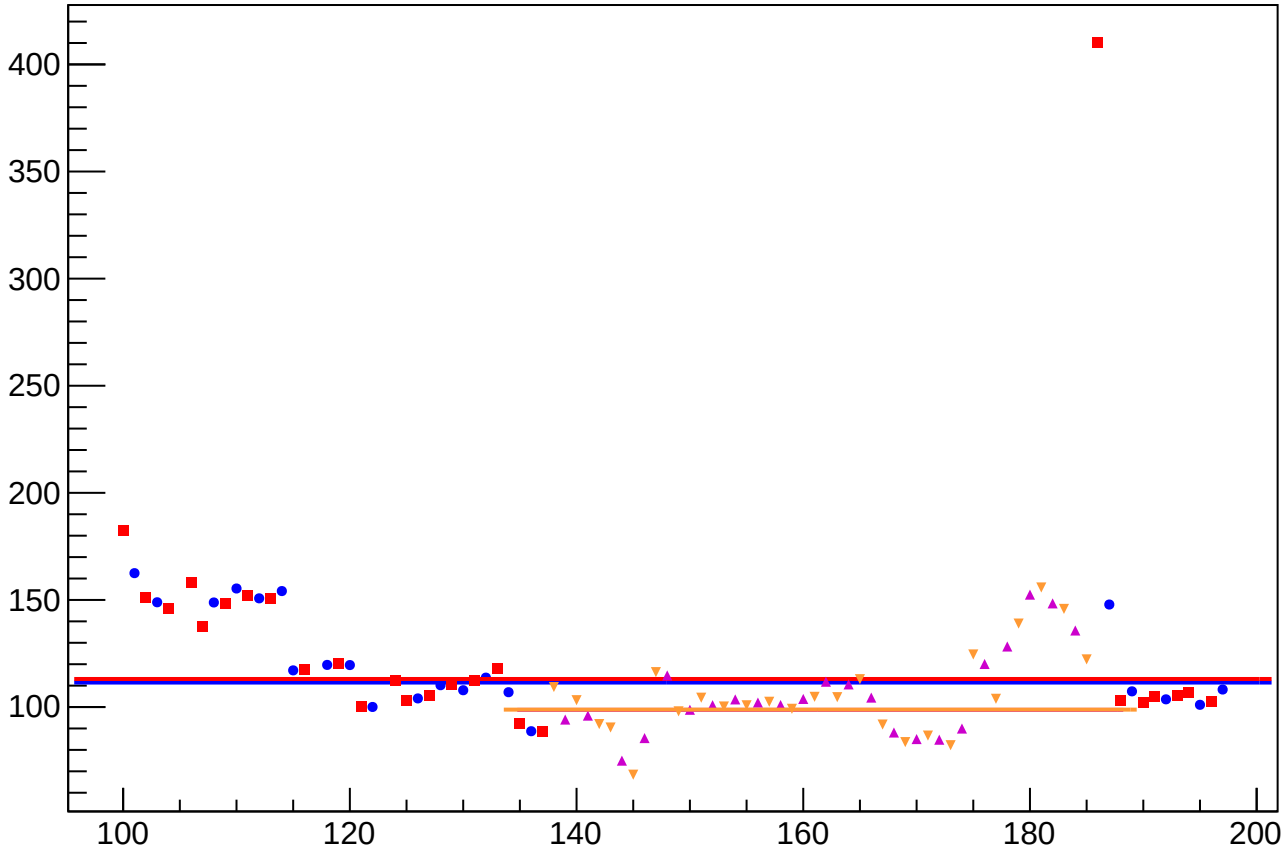
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 11.956+/-19.130 χ^2/NDF: 54.0/45

All: 10.548+/-13.580 χ^2/NDF: 101.1/94

- sign 9.119+/-19.281 χ^2/NDF: 47.1/48

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 111.440+/-0.025 χ^2/NDF: 597790.1/20

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

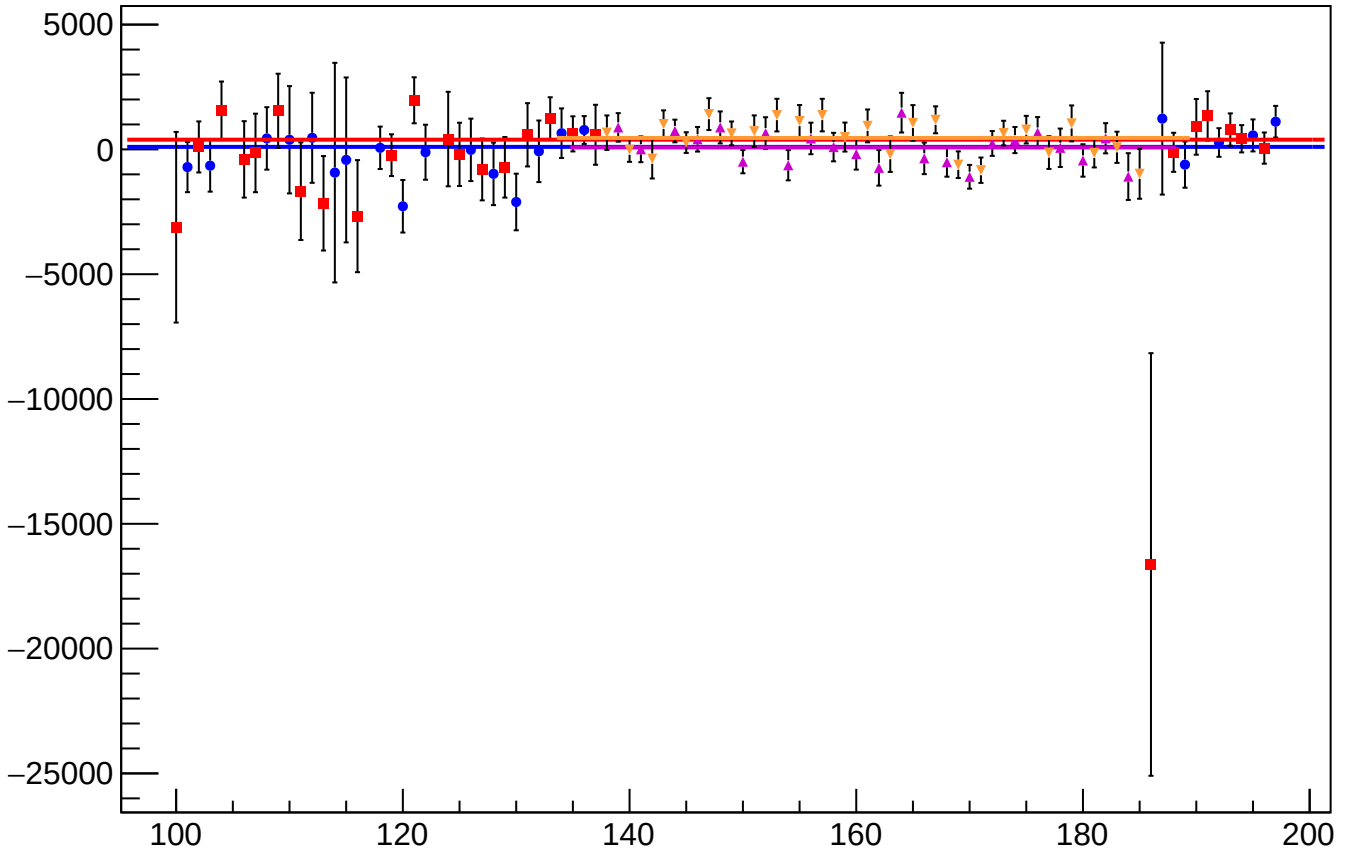
Right Out: 113.105+/-0.024 χ^2/NDF: 984790.8/25

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.631+/-0.014 χ^2/NDF: 1968086.6/45

All: 103.036+/-0.010 χ^2/NDF: 4190564.2/94

- sign 103.448+/-0.014 χ^2/NDF: 2220667.5/48



Right In: 100.927+/-210.806 χ^2/NDF: 16.7/20

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

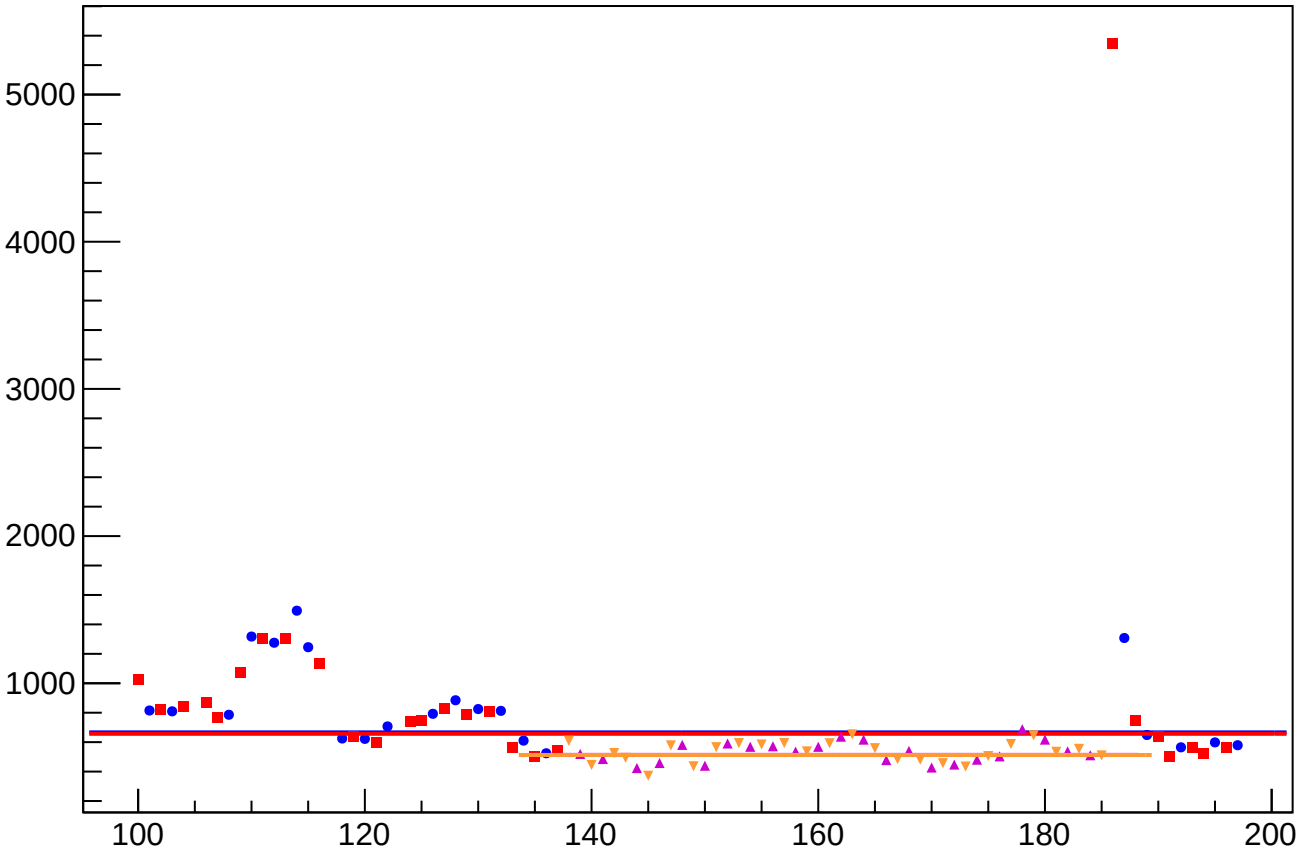
Right Out: 389.614+/-199.483 χ^2/NDF: 20.6/25

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 373.520+/-103.040 χ^2/NDF: 49.7/45

All: 268.877+/-73.102 χ^2/NDF: 100.4/94

\- sign 162.832+/-103.728 χ^2/NDF: 48.6/48



Right In: 666.288+/-0.149 χ^2/NDF: 1150611.6/20

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 656.784+/-0.141 χ^2/NDF: 2021224.1/25

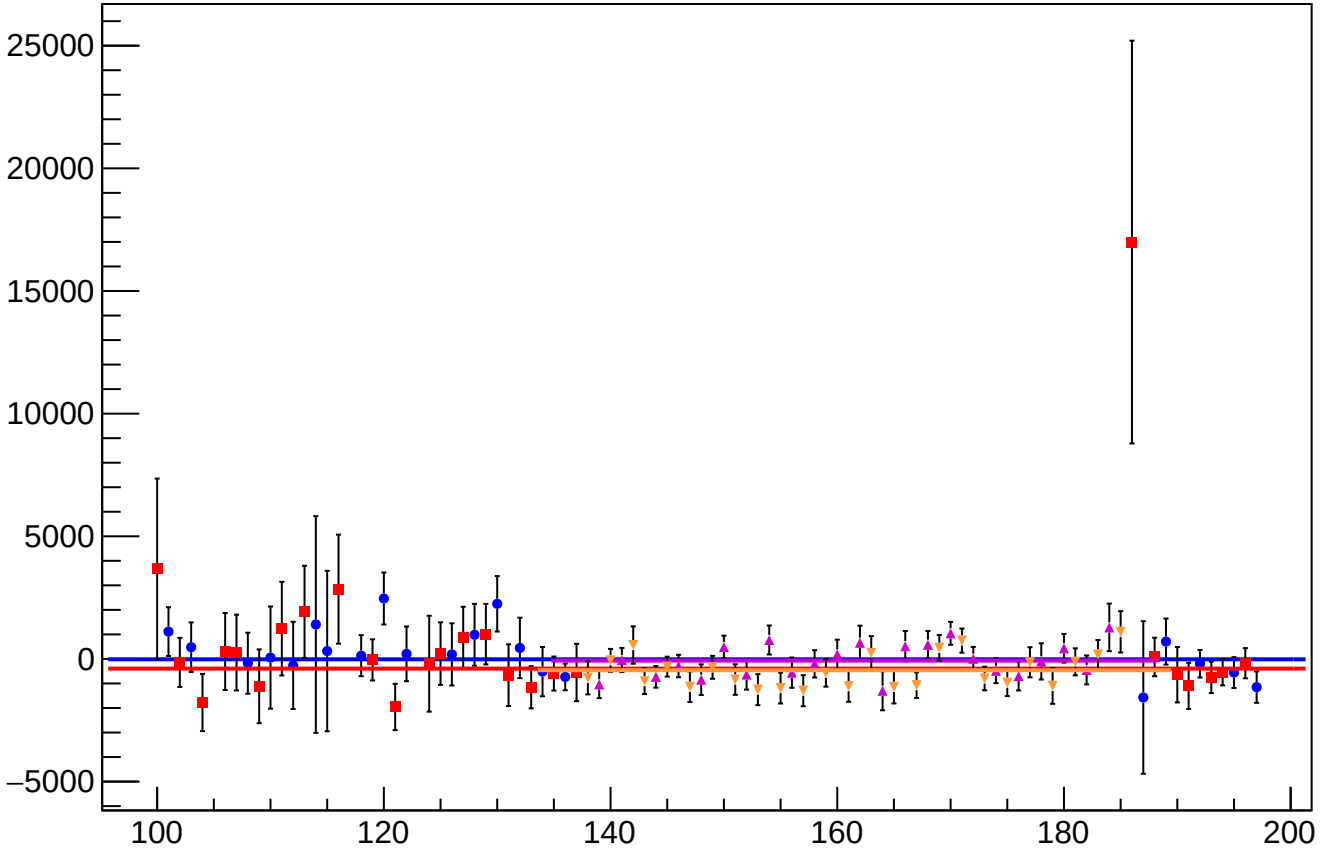
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 549.447+/-0.073 χ^2/NDF: 2757128.0/45

All: 550.789+/-0.052 χ^2/NDF: 6167199.1/94

- sign 552.150+/-0.073 χ^2/NDF: 3409387.4/48

asym_sam_26_48_dd_mean vs Slug



Right In: -14.910+/-208.861 χ^2/NDF: 18.8/20

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -394.258+/-198.363 χ^2/NDF: 20.1/25

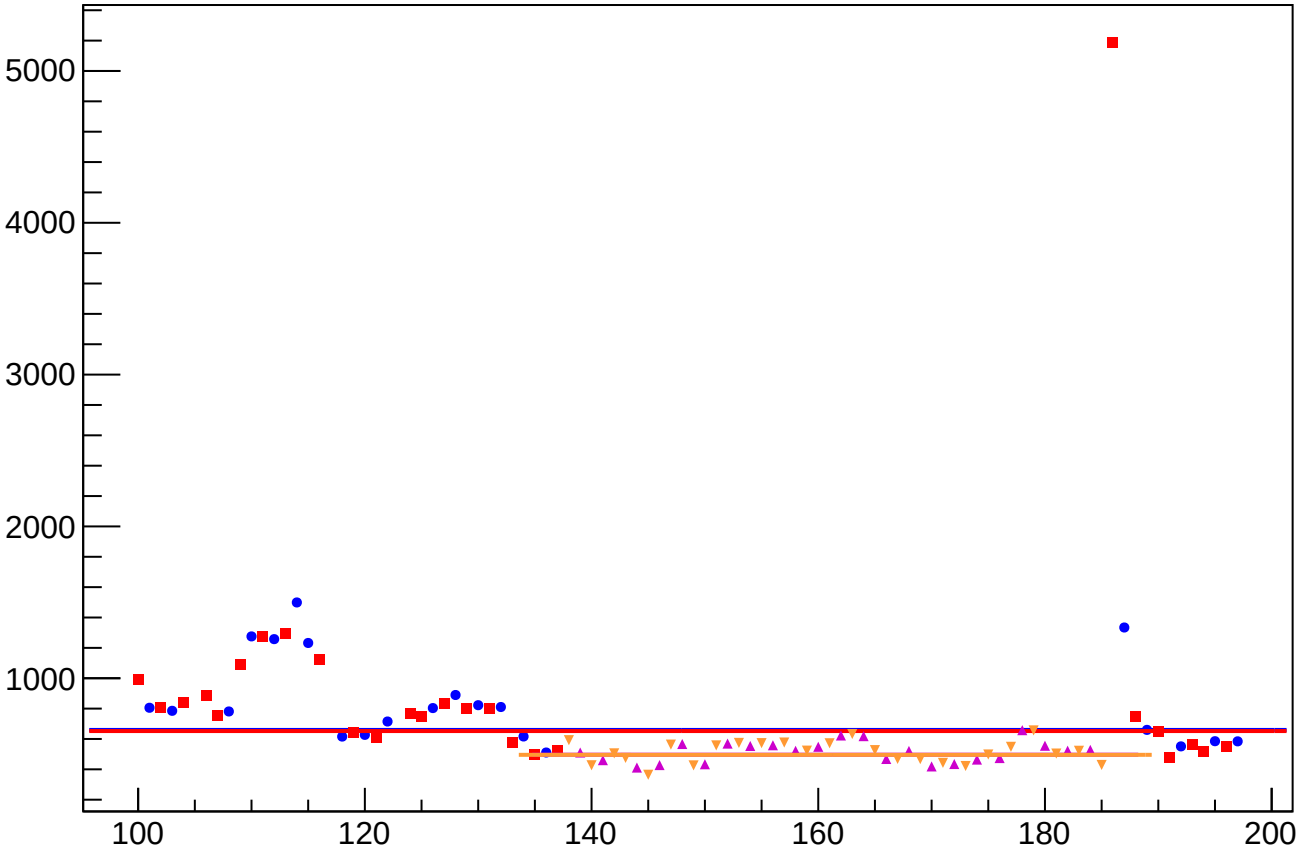
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -357.409+/-100.222 χ^2/NDF: 53.2/45

All: -255.822+/-71.145 χ^2/NDF: 105.9/94

- sign -152.631+/-101.010 χ^2/NDF: 50.7/48

asym_sam_26_48_dd_rms vs Slug



Right In: 659.436+/-0.148 χ^2/NDF: 1182616.8/20

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

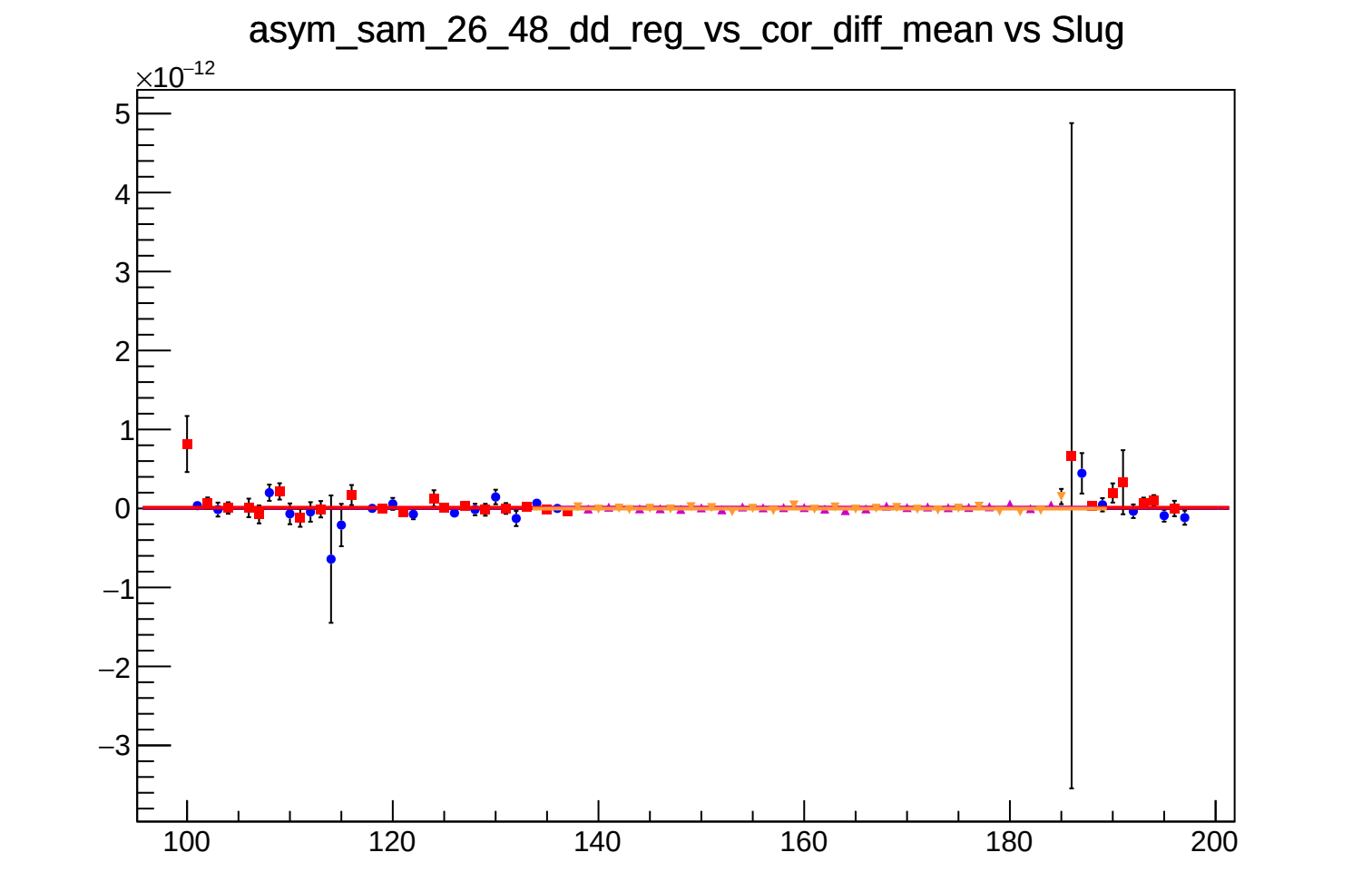
Right Out: 652.122+/-0.140 χ^2/NDF: 2066988.1/25

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 533.258+/-0.071 χ^2/NDF: 2935549.9/45

All: 534.971+/-0.050 χ^2/NDF: 6540111.5/94

- sign 536.710+/-0.071 χ^2/NDF: 3603384.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 24.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

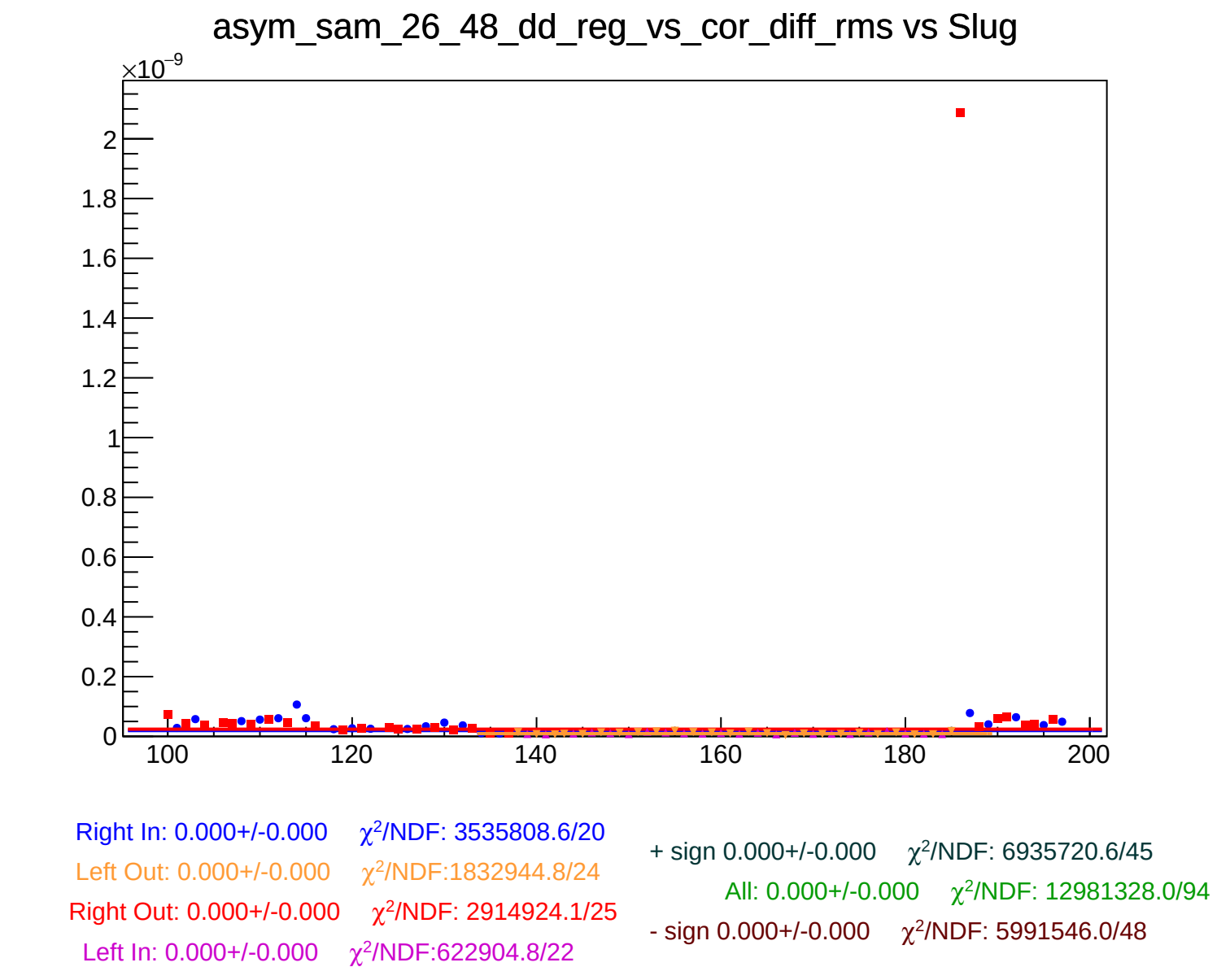
Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/25

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

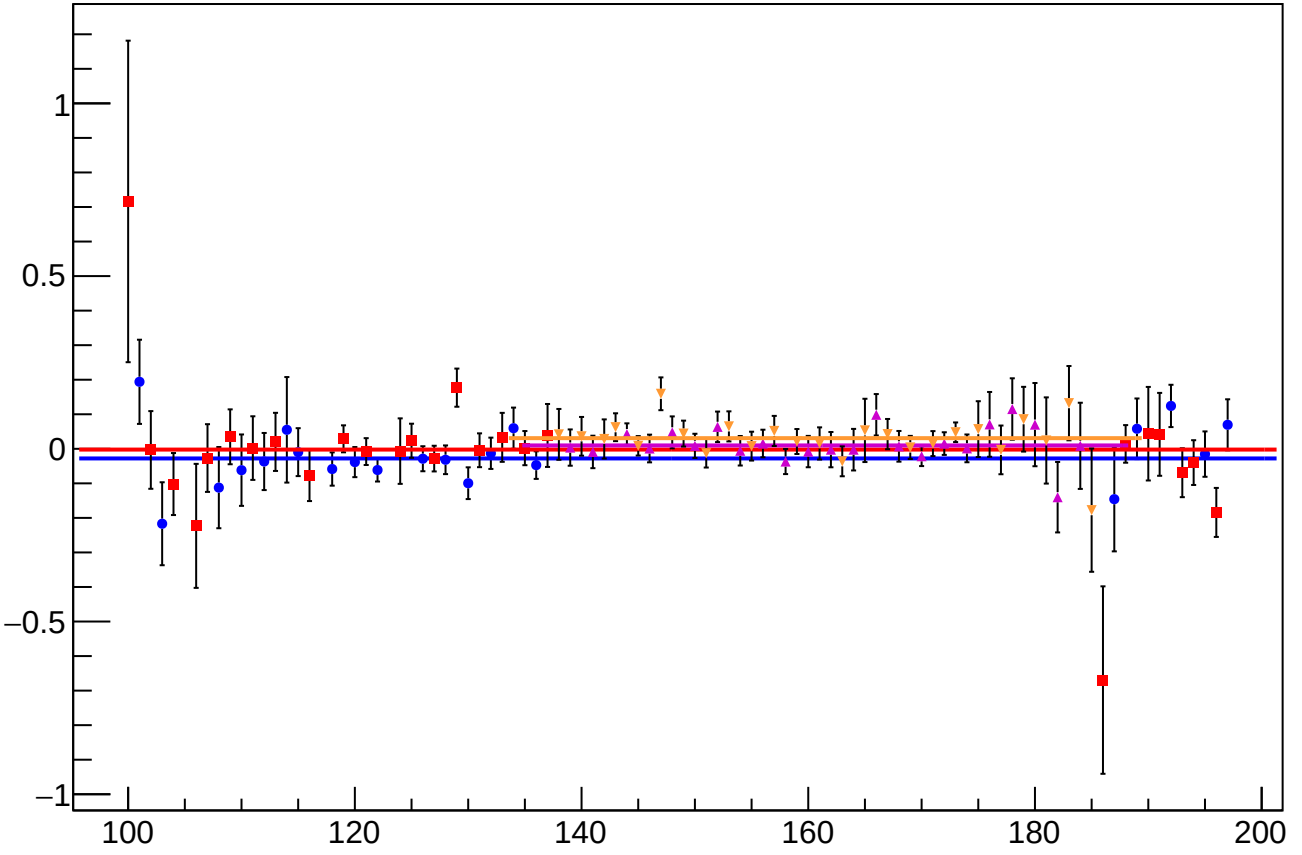
+ sign -0.000+/-0.000 χ^2/NDF: 49.6/45

All: 0.000+/-0.000 χ^2/NDF: 93.6/94

- sign 0.000+/-0.000 χ^2/NDF: 40.0/48


asym_sam_26_48_dd_reg_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: 3535808.6/20
Left Out: 0.000+/-0.000 χ²/NDF:1832944.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 2914924.1/25
Left In: 0.000+/-0.000 χ²/NDF:622904.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6935720.6/45
All: 0.000+/-0.000 χ²/NDF: 12981328.0/94
- sign 0.000+/-0.000 χ²/NDF: 5991546.0/48

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.028+/-0.012 χ^2/NDF: 22.7/20

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/25

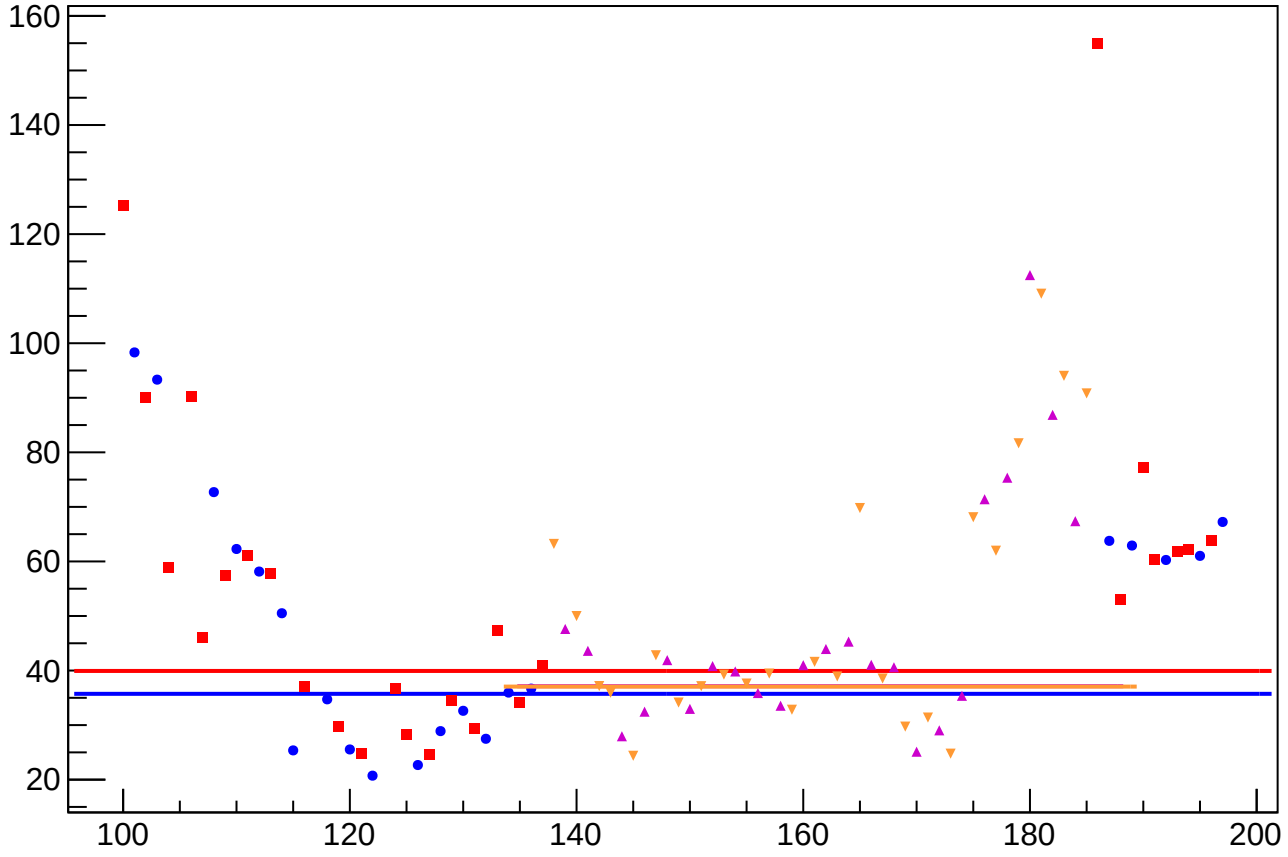
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/45

All: 0.008+/-0.005 χ^2/NDF: 102.4/94

- sign 0.006+/-0.008 χ^2/NDF: 46.9/48

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.731+/-0.009 χ^2/NDF: 3677723.4/20

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

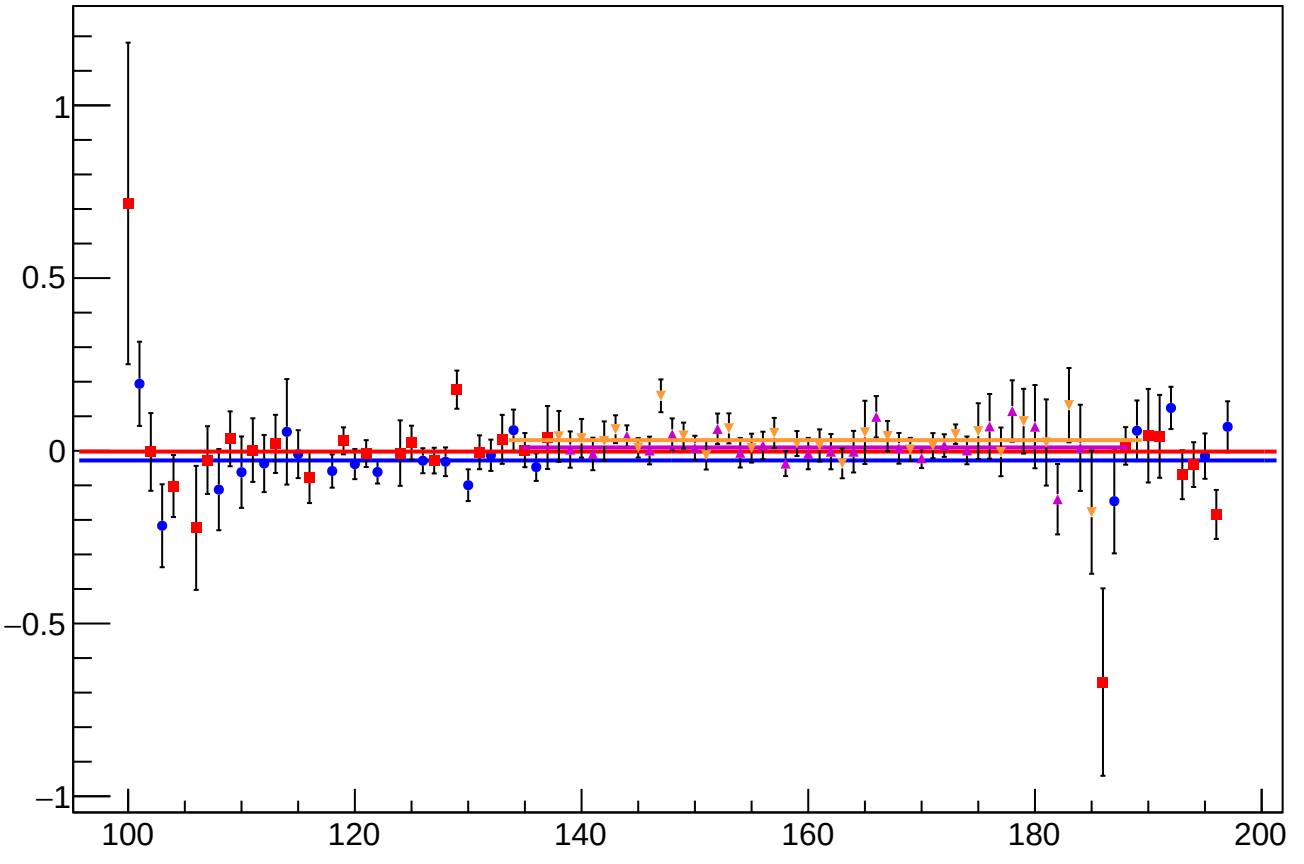
Right Out: 39.926+/-0.009 χ^2/NDF: 3411665.2/25

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 36.586+/-0.005 χ^2/NDF: 7746470.4/45

All: 37.320+/-0.004 χ^2/NDF: 14274651.1/94

- sign 38.103+/-0.005 χ^2/NDF: 6486648.5/48



Right In: -0.028+/-0.012 χ^2/NDF: 22.7/20

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

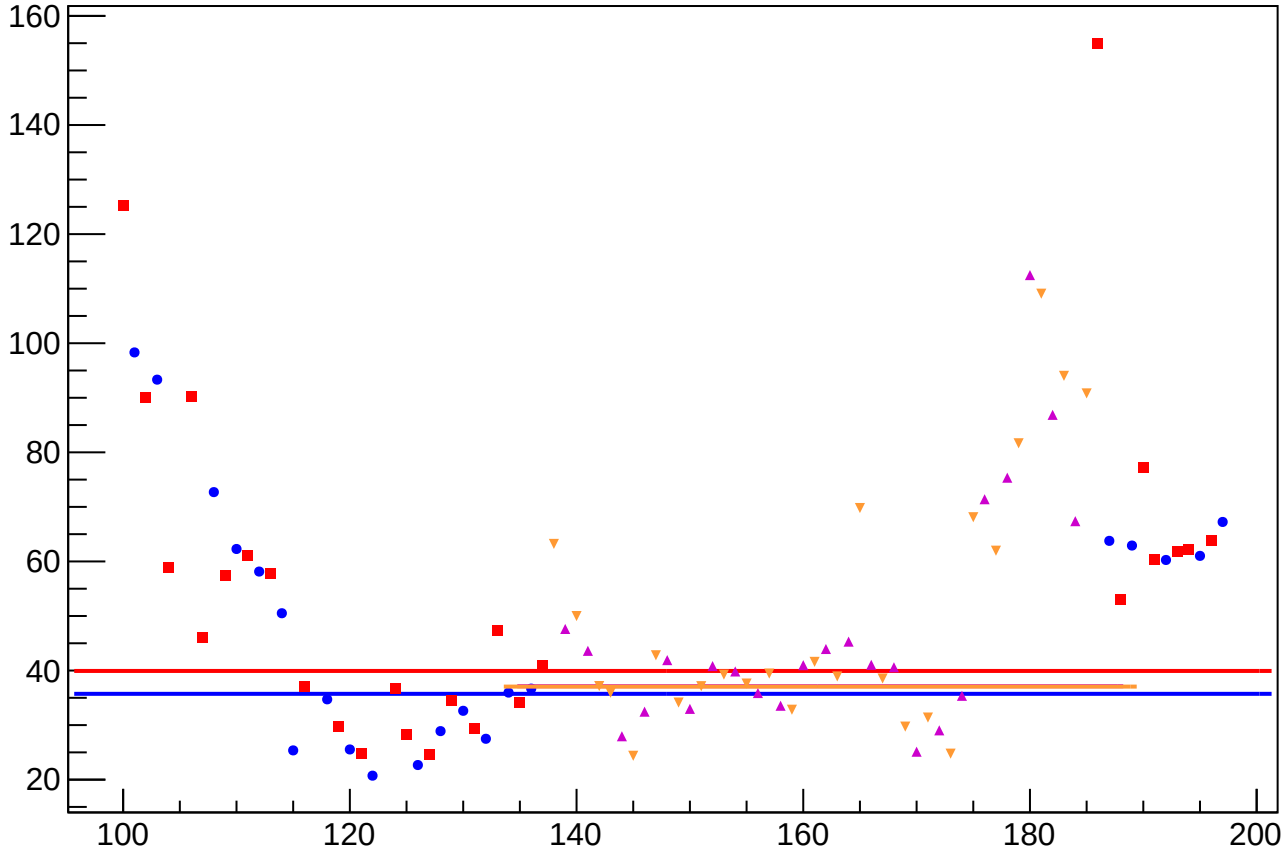
Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/25

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/45

All: 0.008+/-0.005 χ^2/NDF: 102.4/94

- sign 0.006+/-0.008 χ^2/NDF: 46.9/48



Right In: 35.731+/-0.009 χ^2/NDF: 3677723.4/20

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

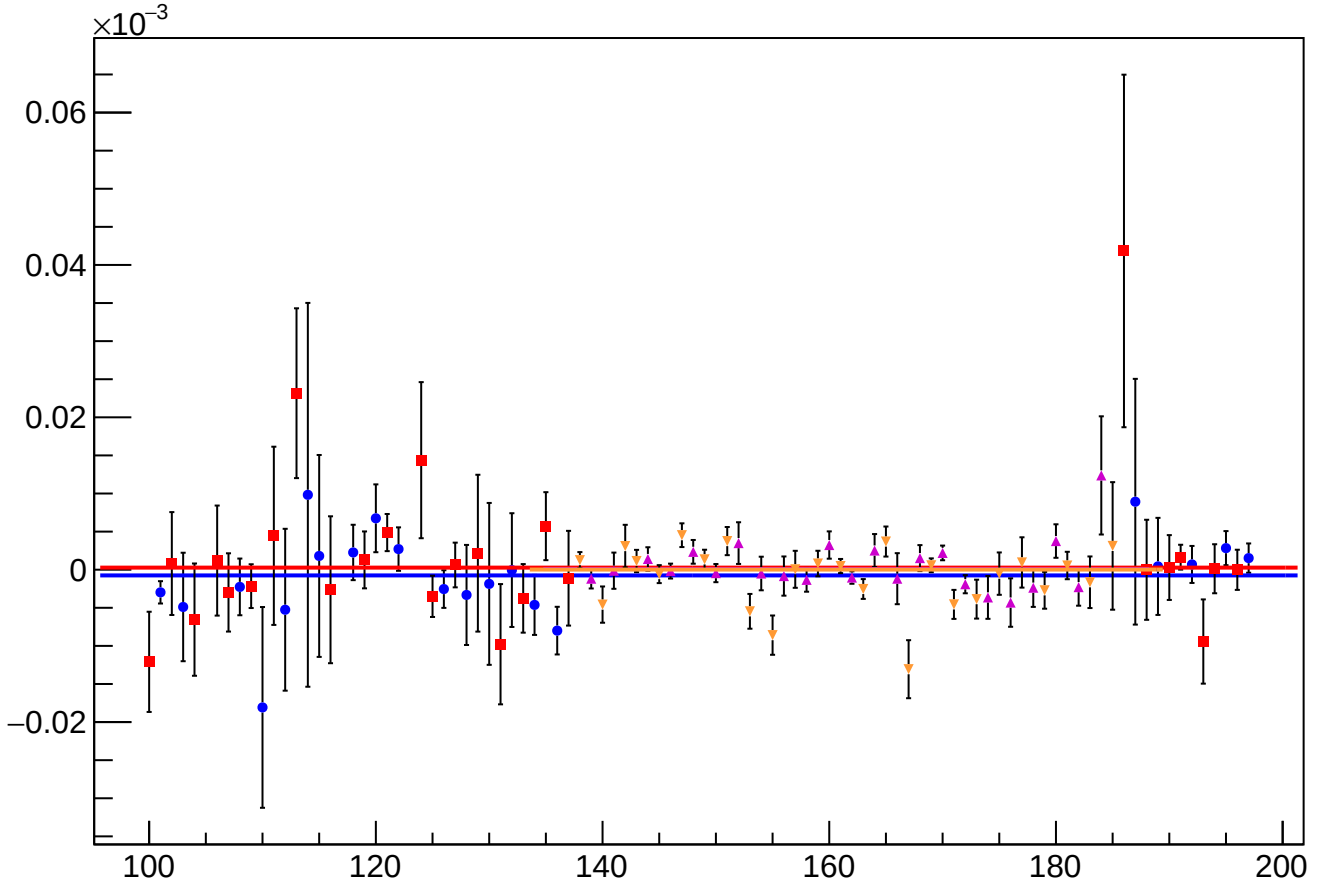
Right Out: 39.926+/-0.009 χ^2/NDF: 3411665.2/25

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 36.586+/-0.005 χ^2/NDF: 7746470.4/45

All: 37.320+/-0.004 χ^2/NDF: 14274651.1/94

- sign 38.103+/-0.005 χ^2/NDF: 6486648.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

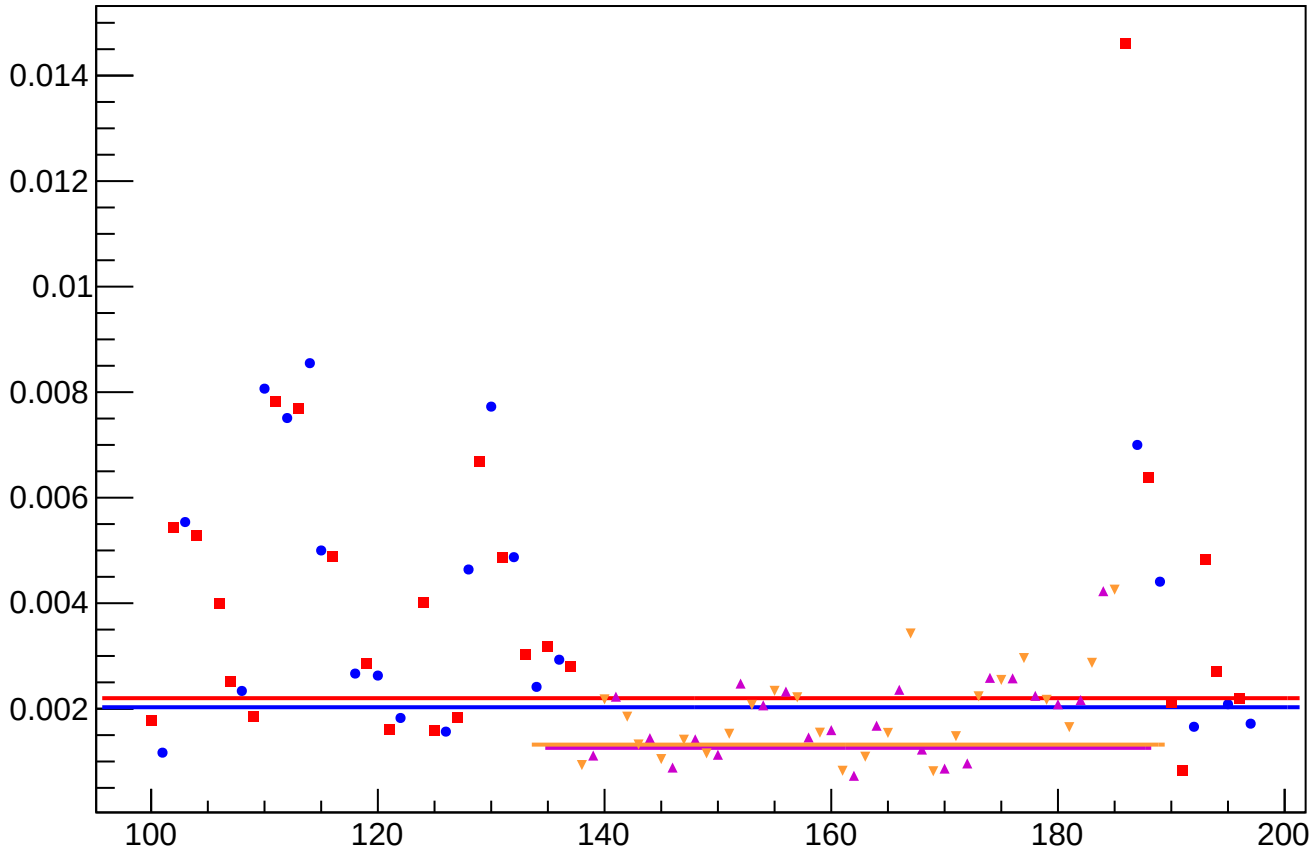
Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/25

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 90.2/45

All: 0.000+/-0.000 χ^2/NDF: 151.2/94

- sign 0.000+/-0.000 χ^2/NDF: 60.8/48



Right In: 0.002+/-0.000 χ^2/NDF: 4491612.4/20

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

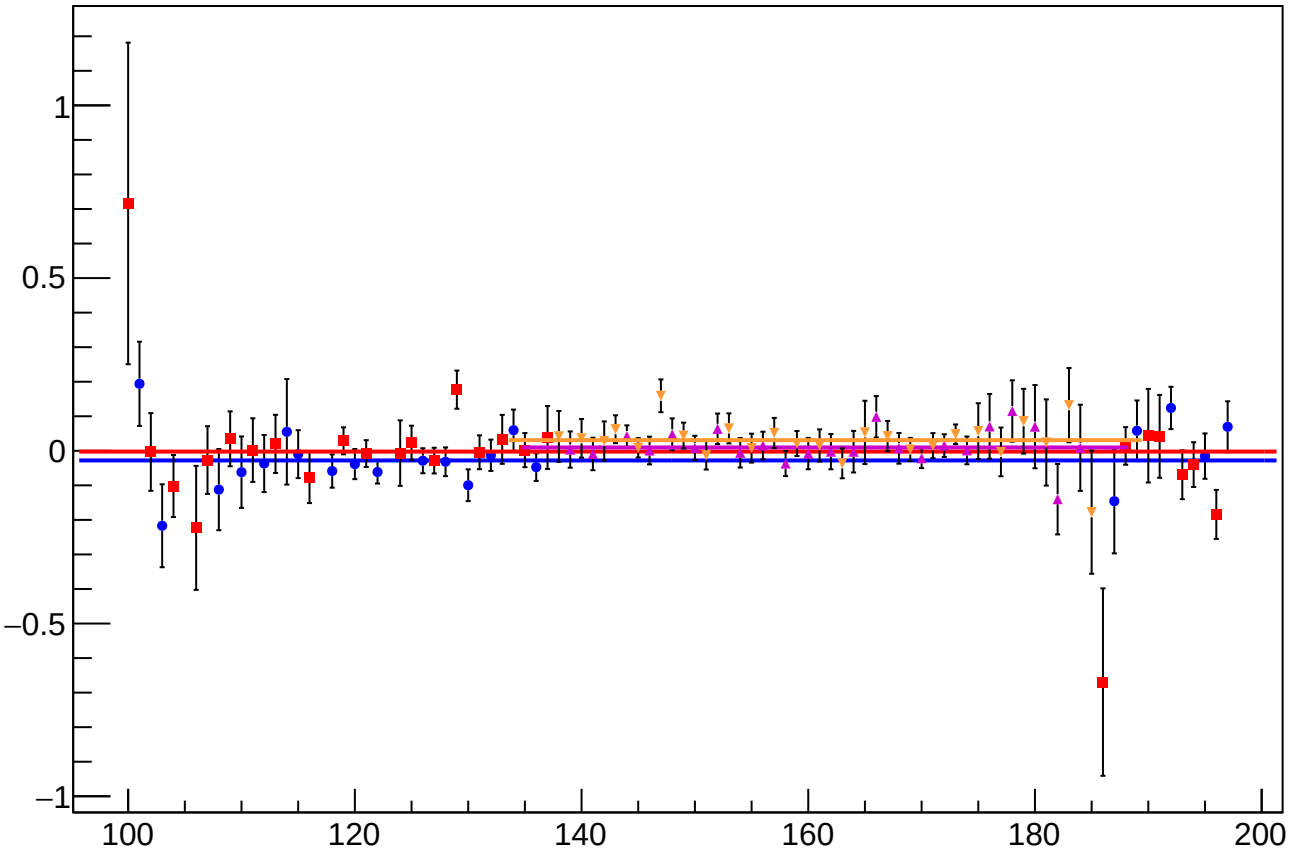
Right Out: 0.002+/-0.000 χ^2/NDF: 6557644.8/25

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 11686597.3/45

All: 0.001+/-0.000 χ^2/NDF: 26116651.3/94

- sign 0.001+/-0.000 χ^2/NDF: 14412022.5/48



Right In: -0.028+/-0.012 χ^2/NDF: 22.7/20

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

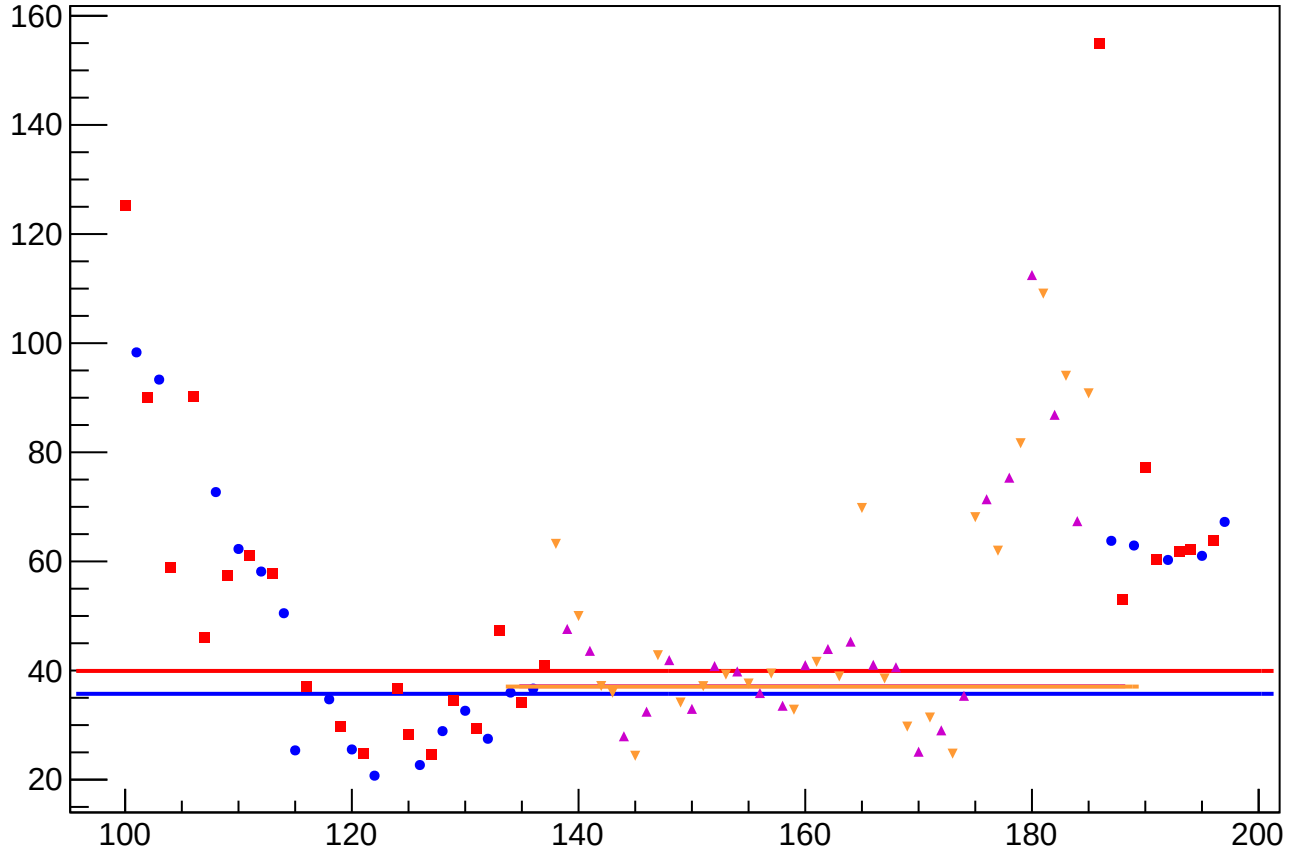
Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/25

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/45

All: 0.008+/-0.005 χ^2/NDF: 102.4/94

- sign 0.006+/-0.008 χ^2/NDF: 46.9/48



Right In: 35.731+/-0.009 χ^2/NDF: 3677674.2/20

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

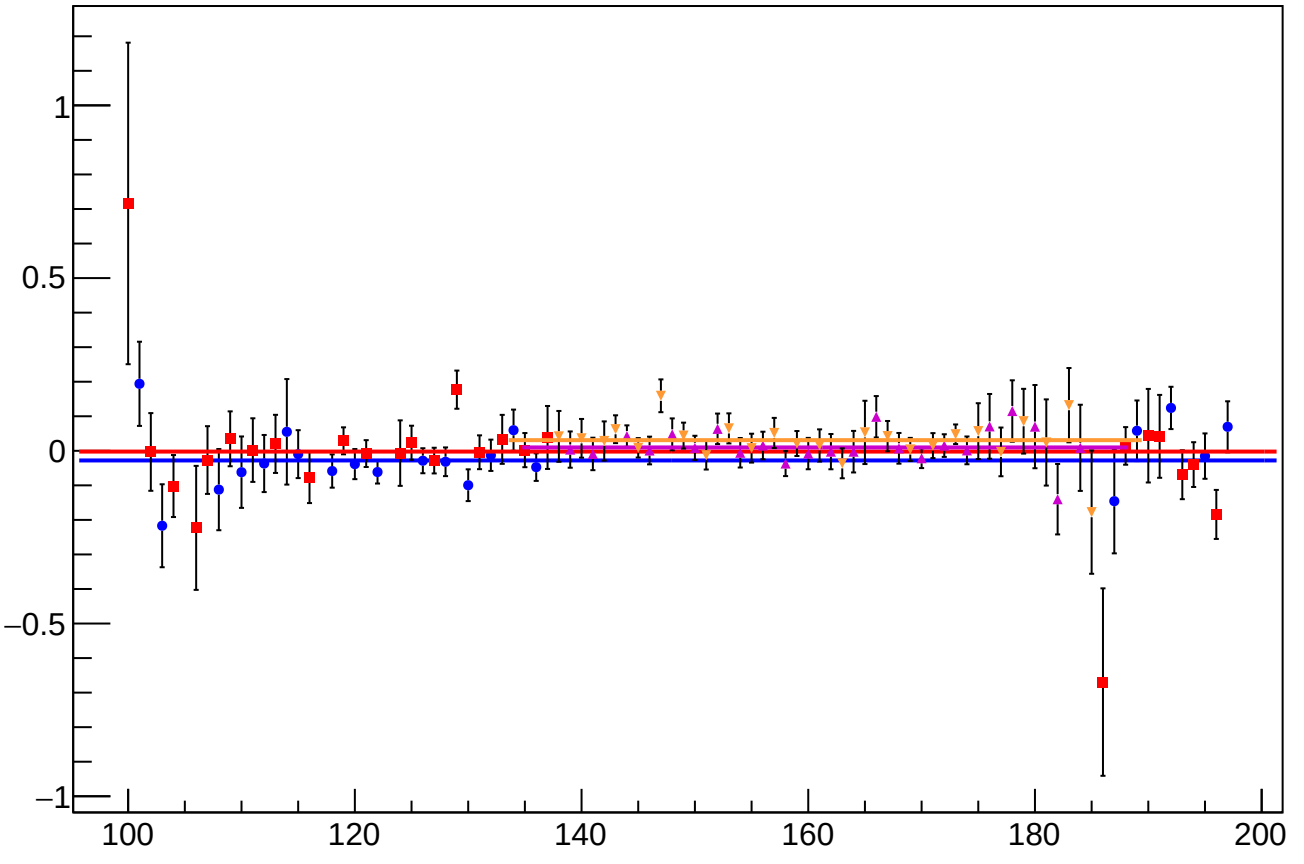
Right Out: 39.926+/-0.009 χ^2/NDF: 3411493.0/25

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 36.586+/-0.005 χ^2/NDF: 7746420.9/45

All: 37.320+/-0.004 χ^2/NDF: 14274423.0/94

- sign 38.103+/-0.005 χ^2/NDF: 6486470.3/48



Right In: -0.028+/-0.012 χ^2/NDF: 22.7/20

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

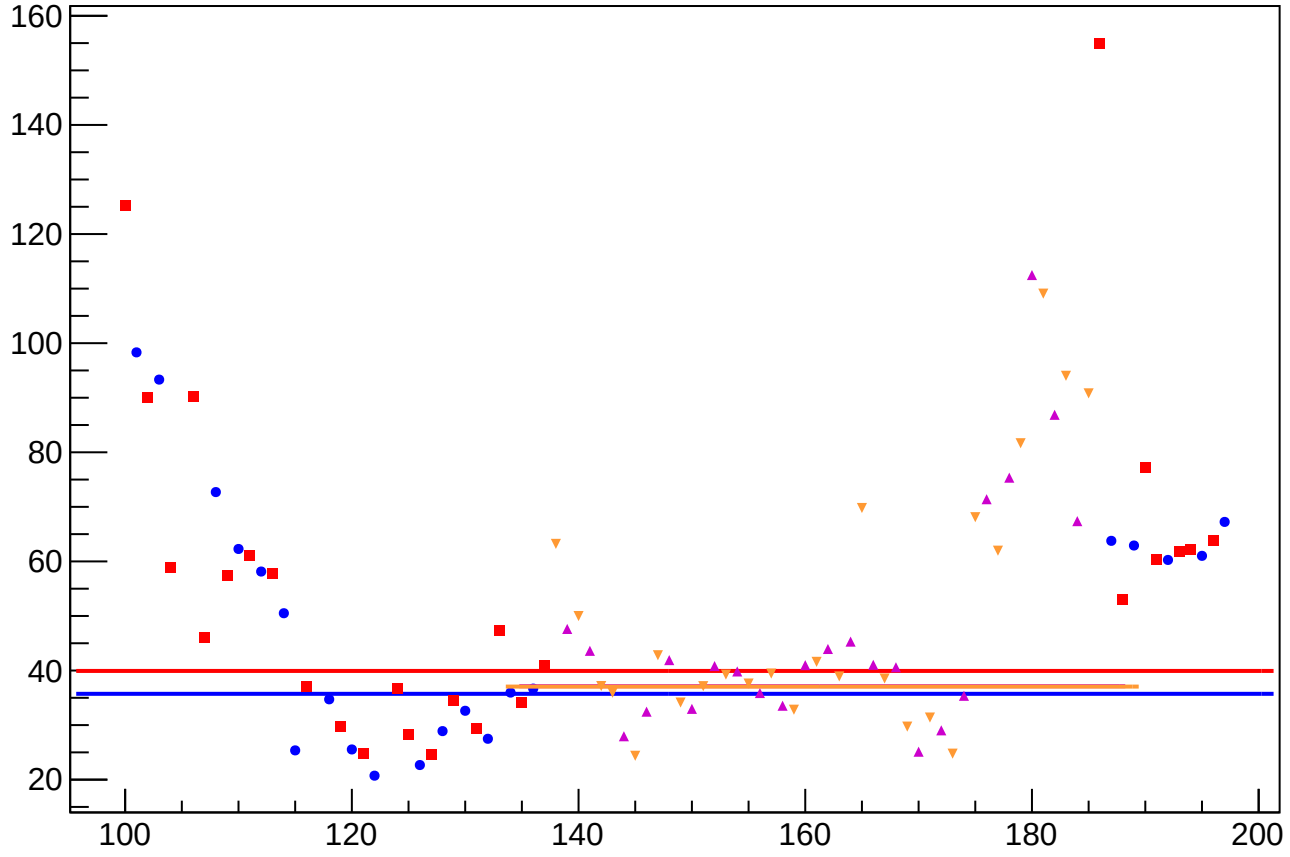
Right Out: -0.002+/-0.013 χ^2/NDF: 33.1/25

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 55.3/45

All: 0.008+/-0.005 χ^2/NDF: 102.4/94

- sign 0.006+/-0.008 χ^2/NDF: 46.9/48



Right In: 35.731+/-0.009 χ^2/NDF: 3677674.2/20

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

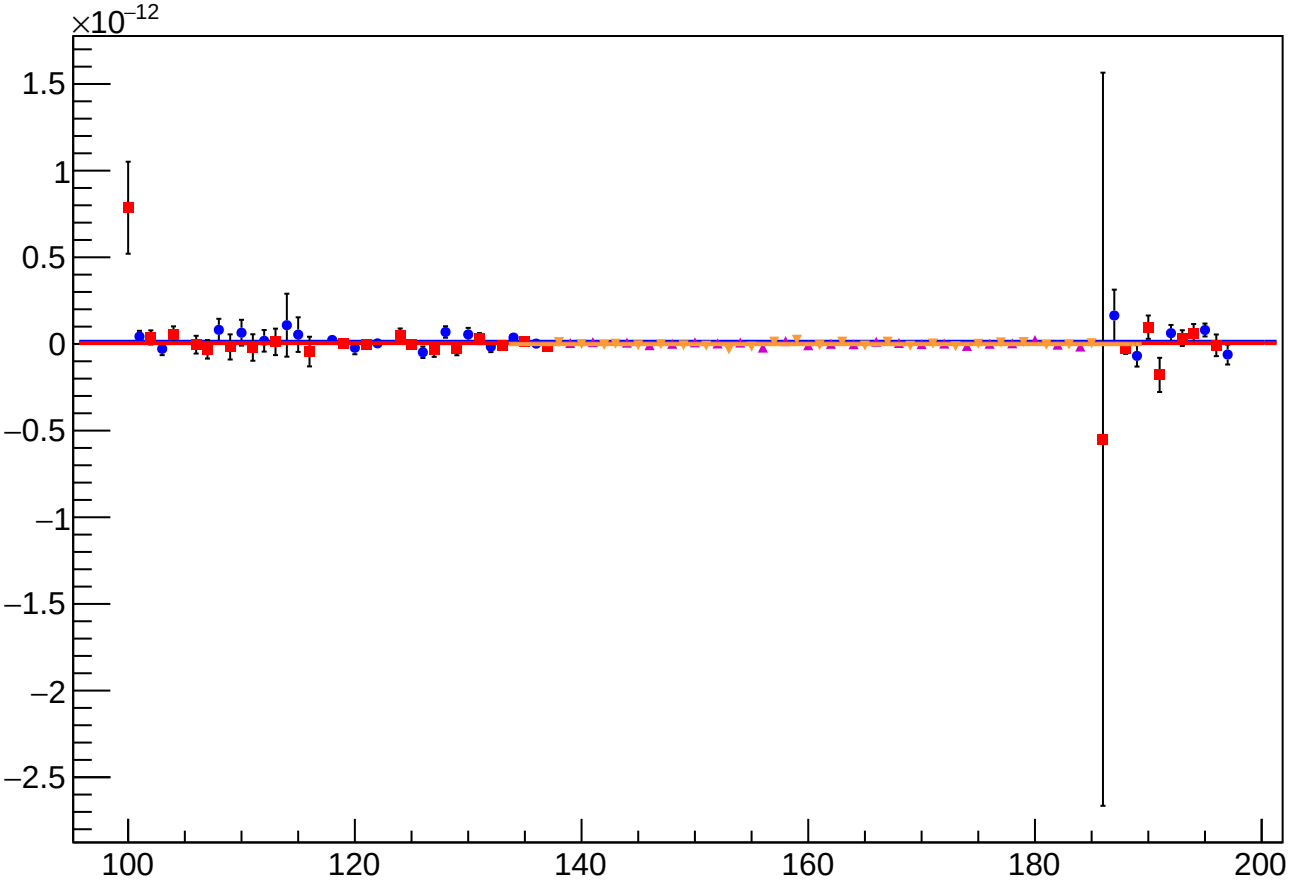
Right Out: 39.926+/-0.009 χ^2/NDF: 3411493.0/25

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 36.586+/-0.005 χ^2/NDF: 7746420.9/45

All: 37.320+/-0.004 χ^2/NDF: 14274423.0/94

- sign 38.103+/-0.005 χ^2/NDF: 6486470.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

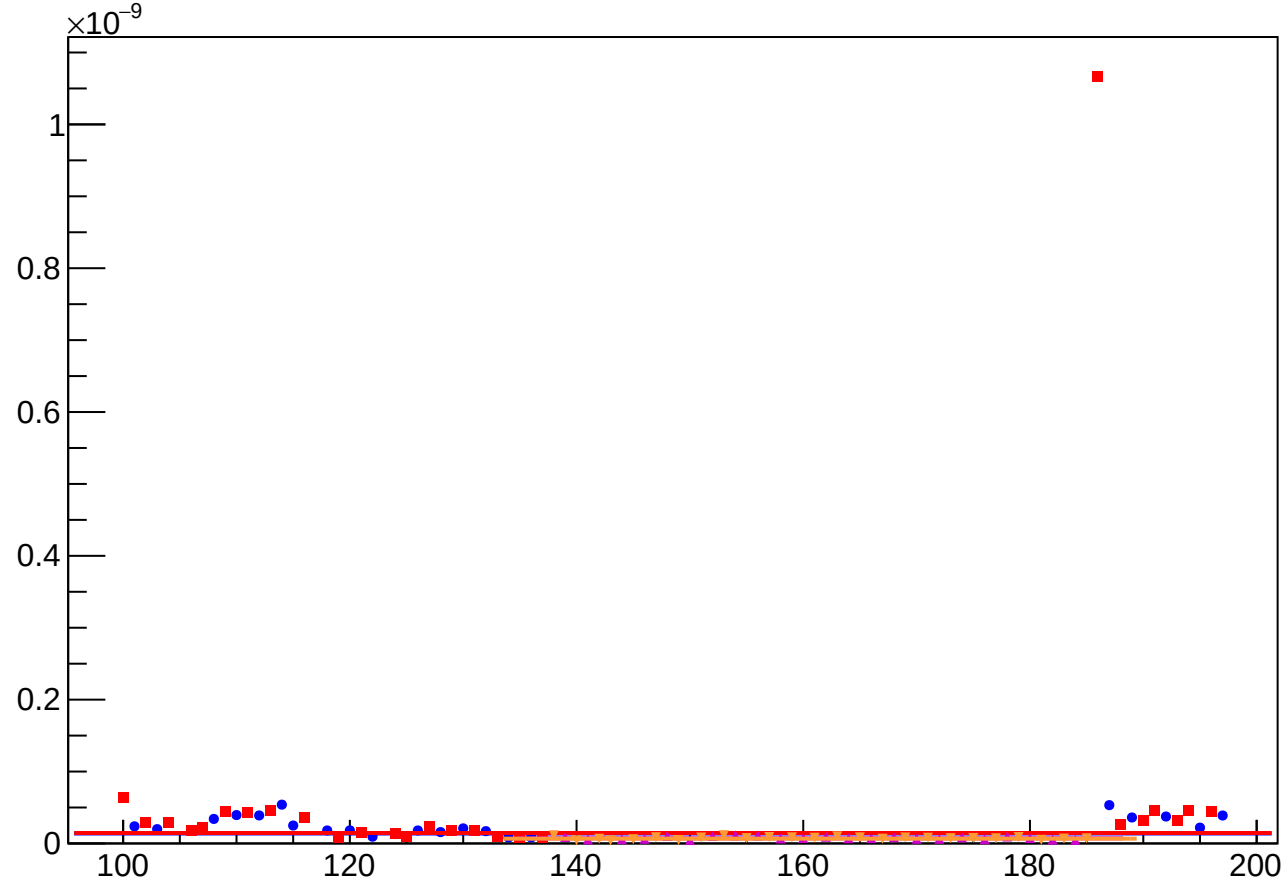
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/25

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.3/45

All: 0.000+/-0.000 χ^2/NDF: 103.6/94

- sign 0.000+/-0.000 χ^2/NDF: 45.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 3615196.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5357557.6/25

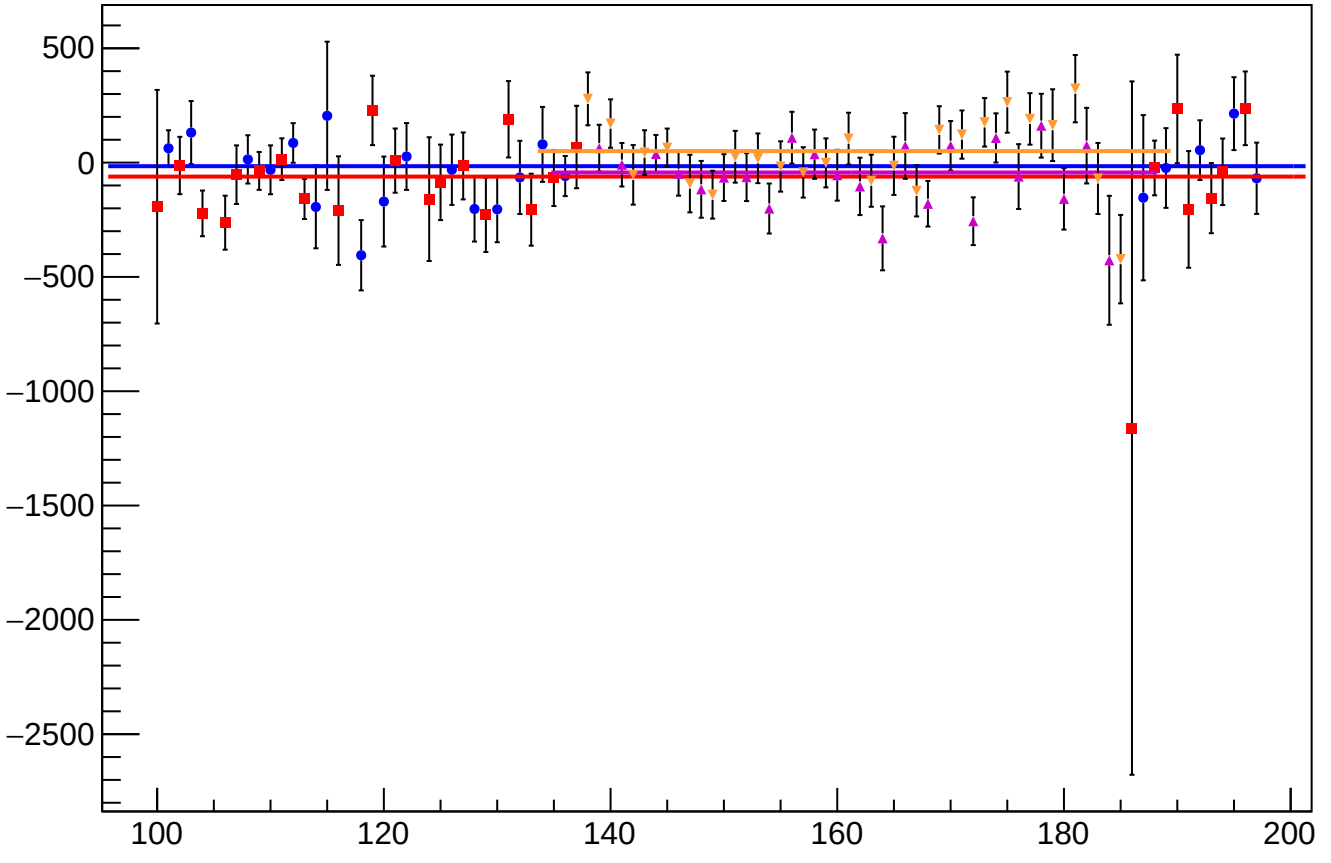
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8014129.5/45

All: 0.000+/-0.000 χ^2/NDF: 17369301.4/94

- sign 0.000+/-0.000 χ^2/NDF: 9285812.7/48

reg_asym_sam_1548_avg_mean vs Slug



Right In: -15.649+/-28.809 χ^2/NDF: 18.9/20

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -61.190+/-27.241 χ^2/NDF: 23.3/25

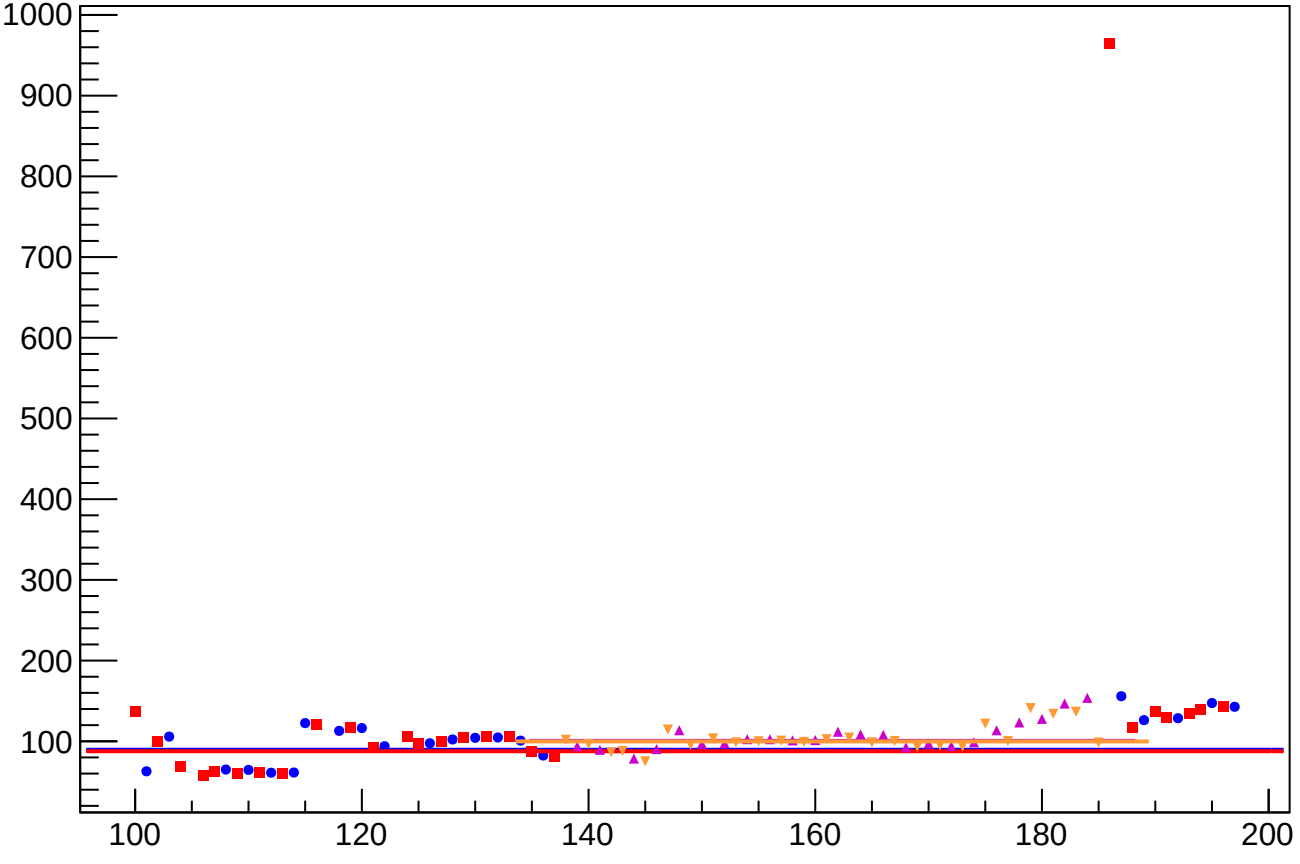
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 24.694+/-17.954 χ^2/NDF: 55.6/45

All: -13.193+/-12.678 χ^2/NDF: 114.6/94

- sign -50.873+/-17.905 χ^2/NDF: 50.2/48

reg_asym_sam_1548_avg_rms vs Slug



Right In: 89.480+/-0.020 χ^2/NDF: 1761271.3/20

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 87.691+/-0.019 χ^2/NDF: 2731442.3/25

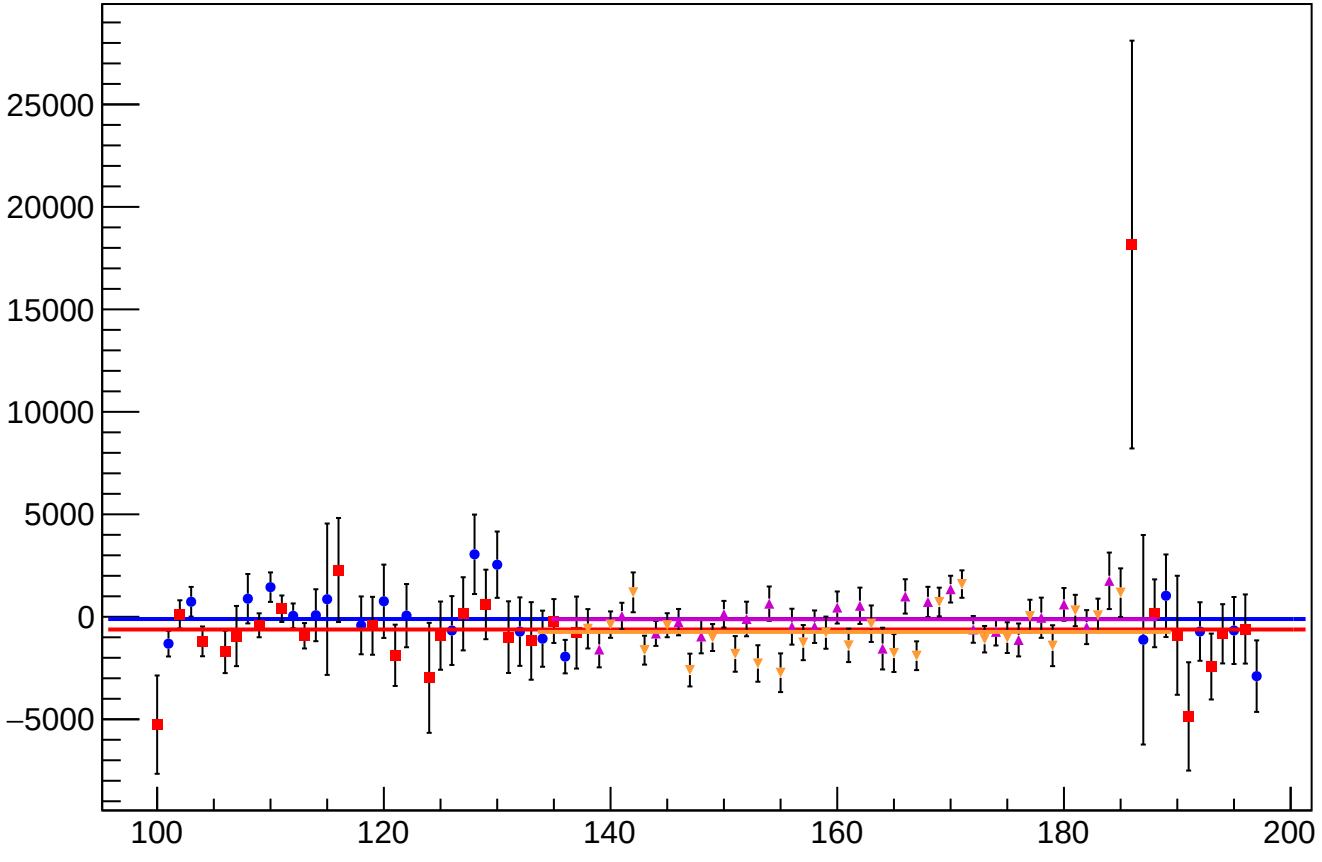
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 95.816+/-0.013 χ^2/NDF: 2617194.3/45

All: 95.389+/-0.009 χ^2/NDF: 6258807.0/94

- sign 94.965+/-0.013 χ^2/NDF: 3639362.5/48

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -108.450+/-245.306 χ^2/NDF: 25.2/20

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -619.153+/-226.832 χ^2/NDF: 21.0/25

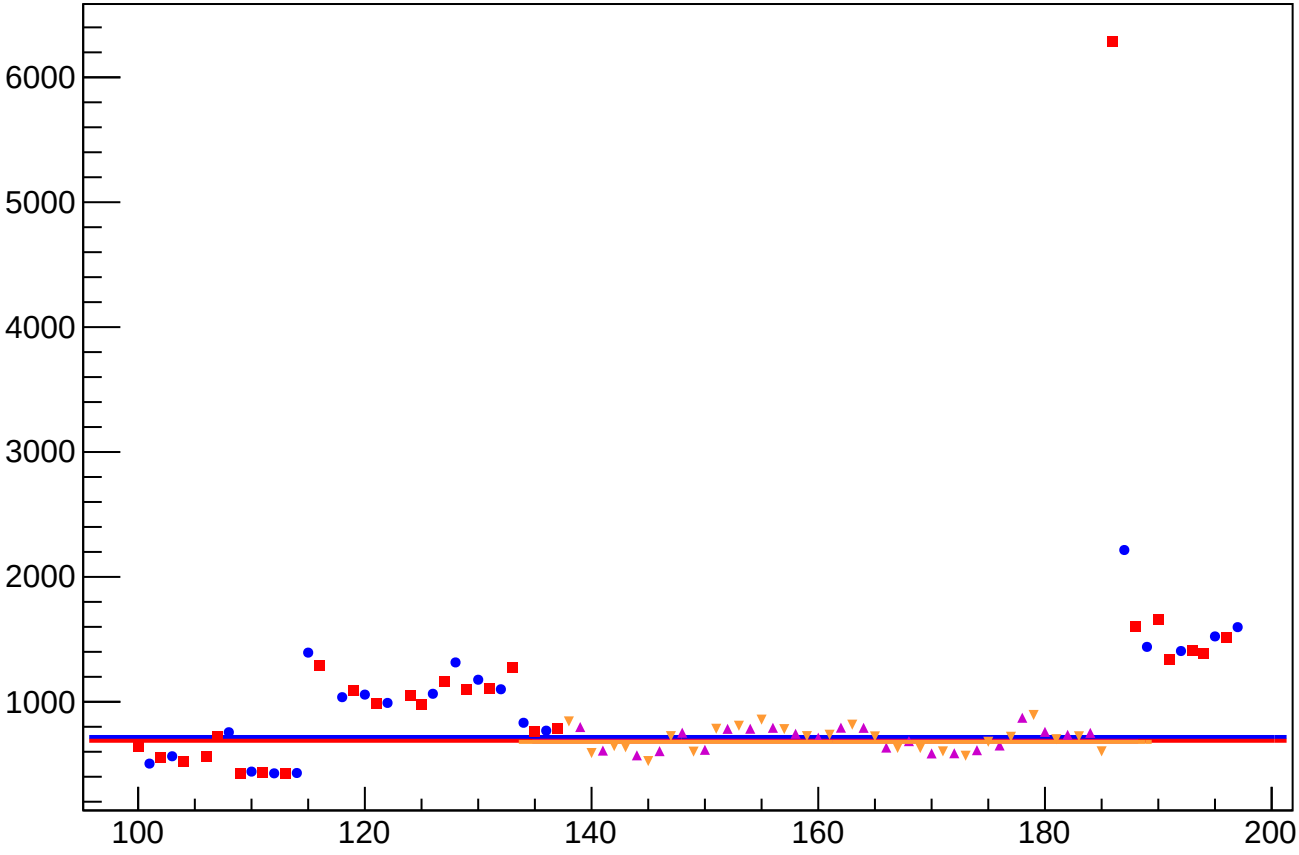
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -556.458+/-131.823 χ^2/NDF: 79.5/45

All: -419.826+/-93.022 χ^2/NDF: 129.7/94

- sign -284.308+/-131.285 χ^2/NDF: 48.0/48

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 718.304+/-0.173 χ^2/NDF: 3939826.7/20

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 688.115+/-0.160 χ^2/NDF: 5265546.7/25

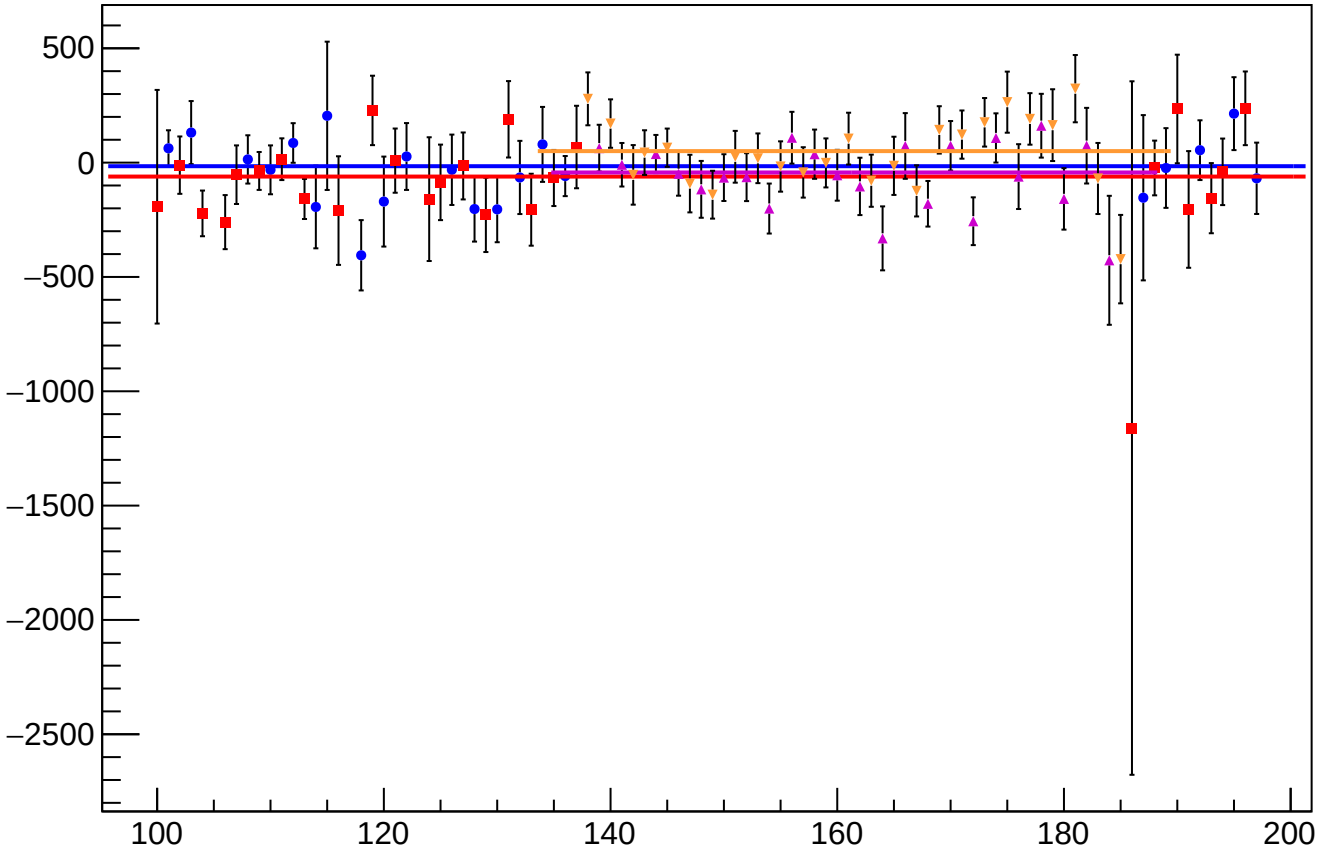
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 690.454+/-0.093 χ^2/NDF: 4713491.8/45

All: 687.203+/-0.066 χ^2/NDF: 10556275.5/94

- sign 683.977+/-0.093 χ^2/NDF: 5840359.7/48

cor_asym_sam_1548_avg_mean vs Slug



Right In: -15.651+/-28.809 χ^2/NDF: 18.9/20

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -60.969+/-27.242 χ^2/NDF: 23.2/25

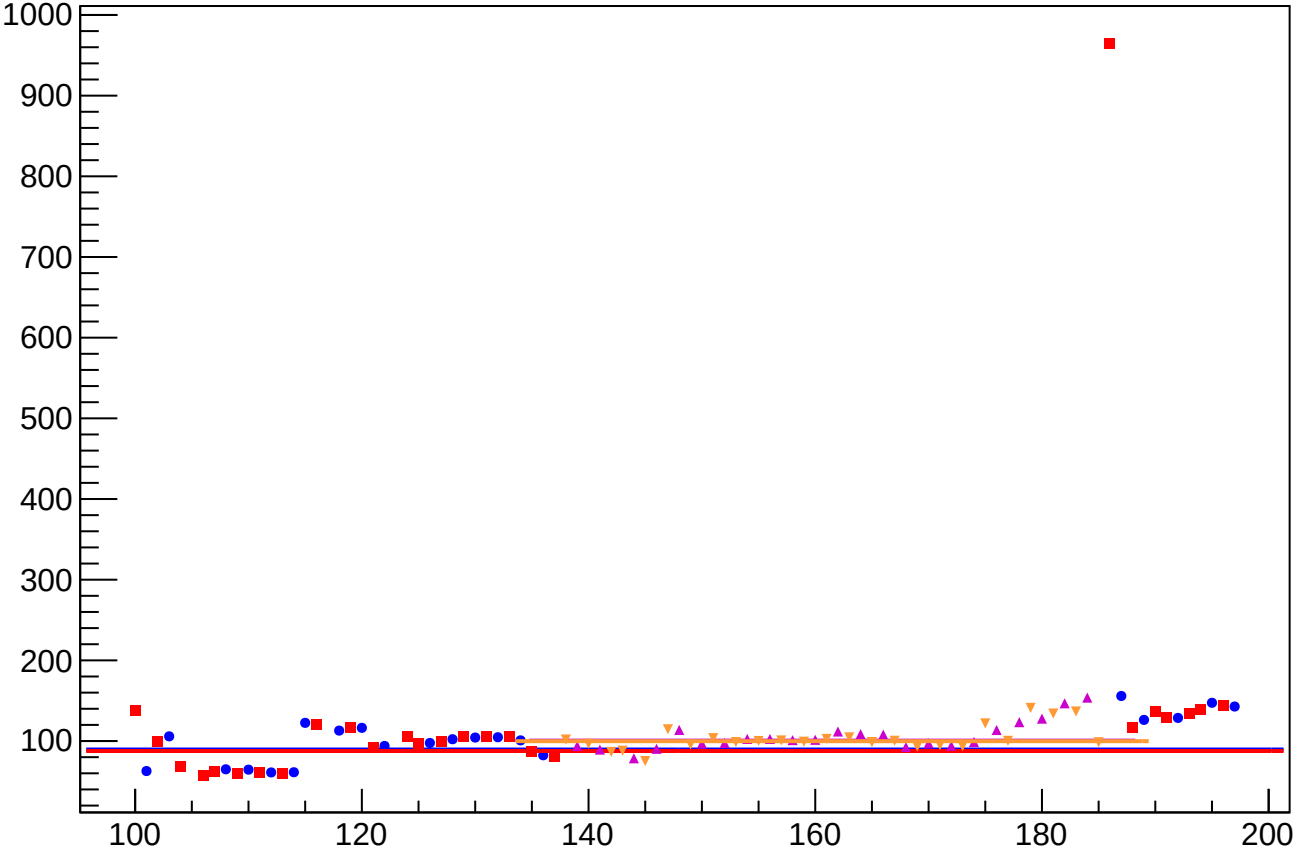
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 24.699+/-17.954 χ^2/NDF: 55.6/45

All: -13.142+/-12.678 χ^2/NDF: 114.5/94

- sign -50.778+/-17.905 χ^2/NDF: 50.1/48

cor_asym_sam_1548_avg_rms vs Slug



Right In: 89.480+/-0.020 χ^2/NDF: 1761273.0/20

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 87.677+/-0.019 χ^2/NDF: 2734338.4/25

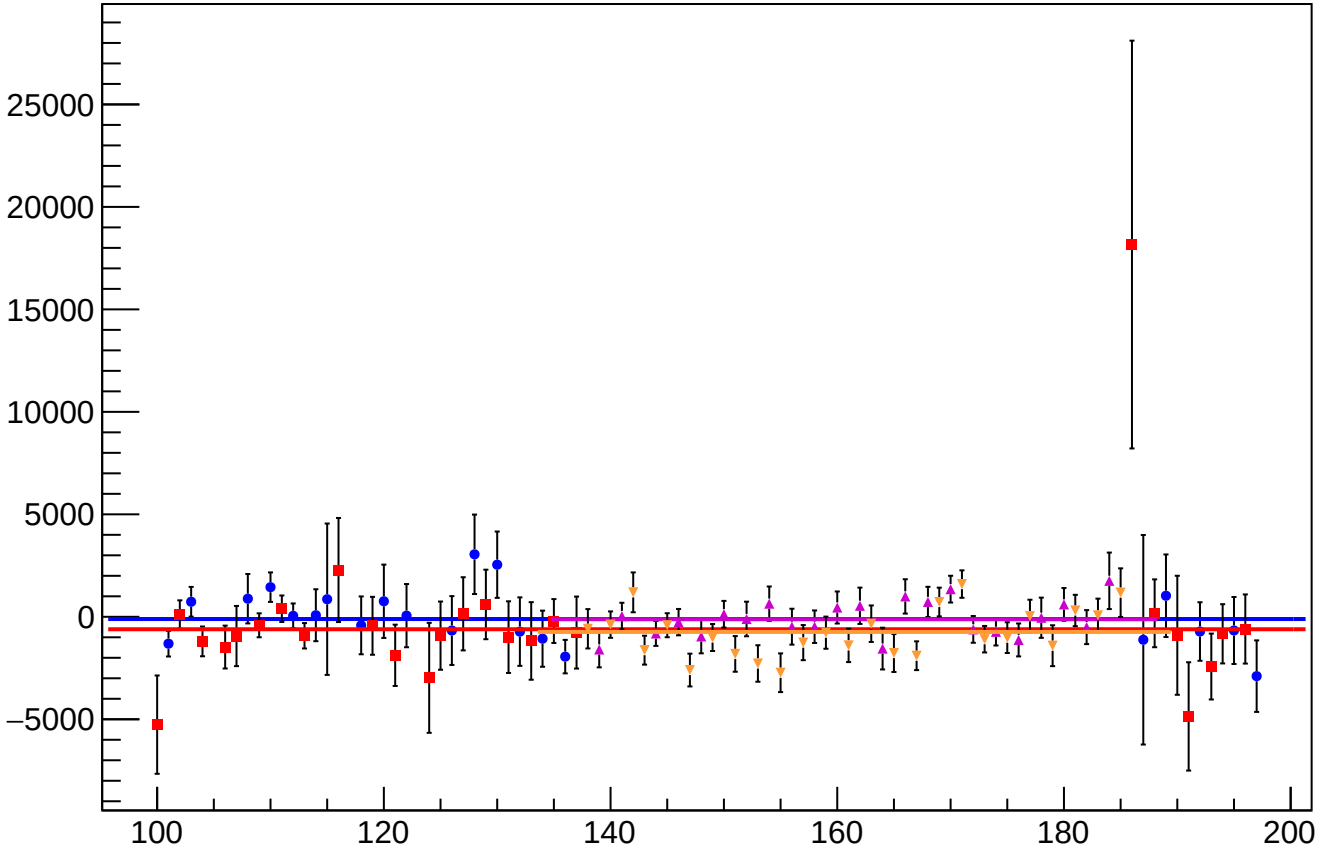
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 95.816+/-0.013 χ^2/NDF: 2617195.5/45

All: 95.386+/-0.009 χ^2/NDF: 6262289.5/94

\- sign 94.959+/-0.013 χ^2/NDF: 3642812.3/48

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -108.476+/-245.309 χ^2/NDF: 25.2/20

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -607.508+/-226.959 χ^2/NDF: 20.6/25

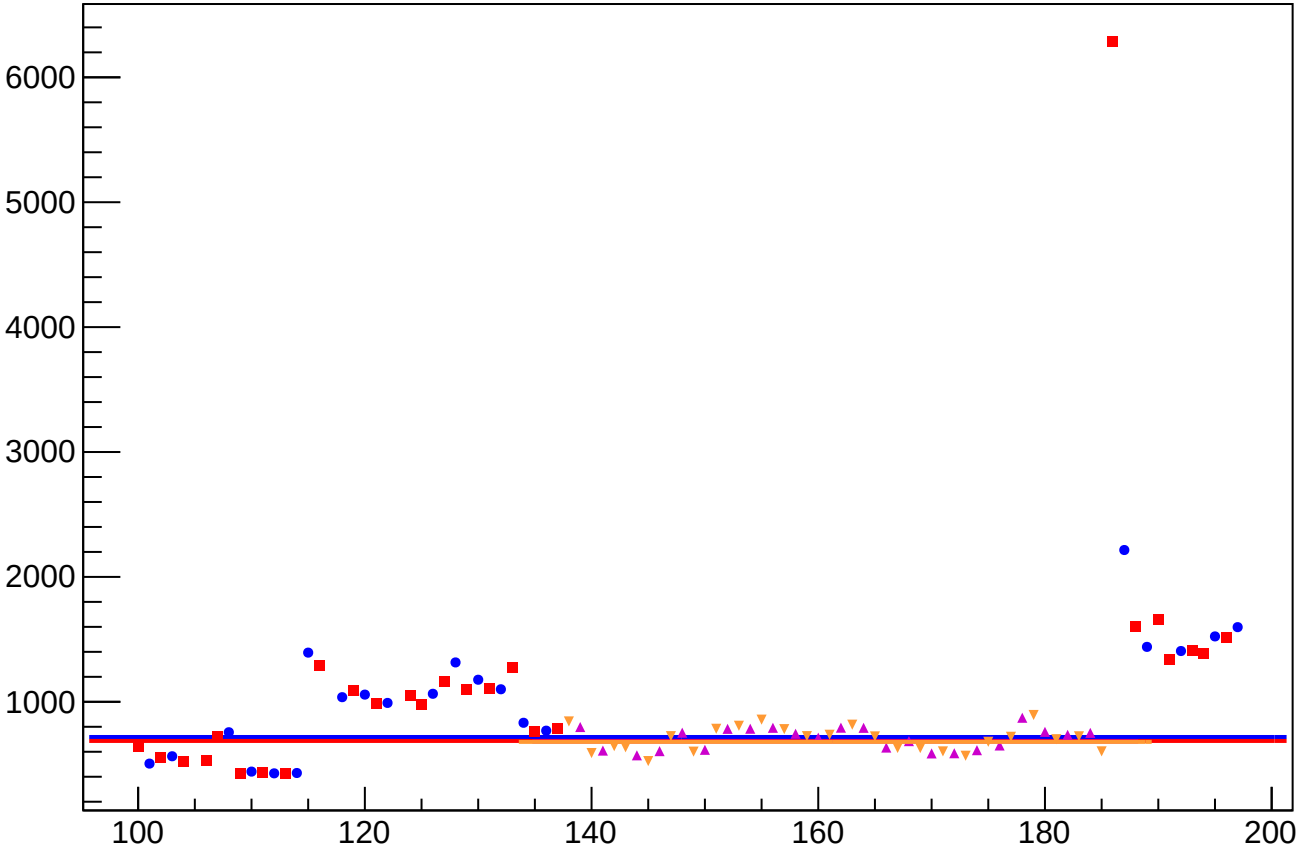
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -556.460+/-131.824 χ^2/NDF: 79.5/45

All: -417.832+/-93.031 χ^2/NDF: 129.2/94

- sign -280.284+/-131.310 χ^2/NDF: 47.4/48

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 718.314+/-0.173 χ^2/NDF: 3939740.2/20

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 686.693+/-0.160 χ^2/NDF: 5282247.4/25

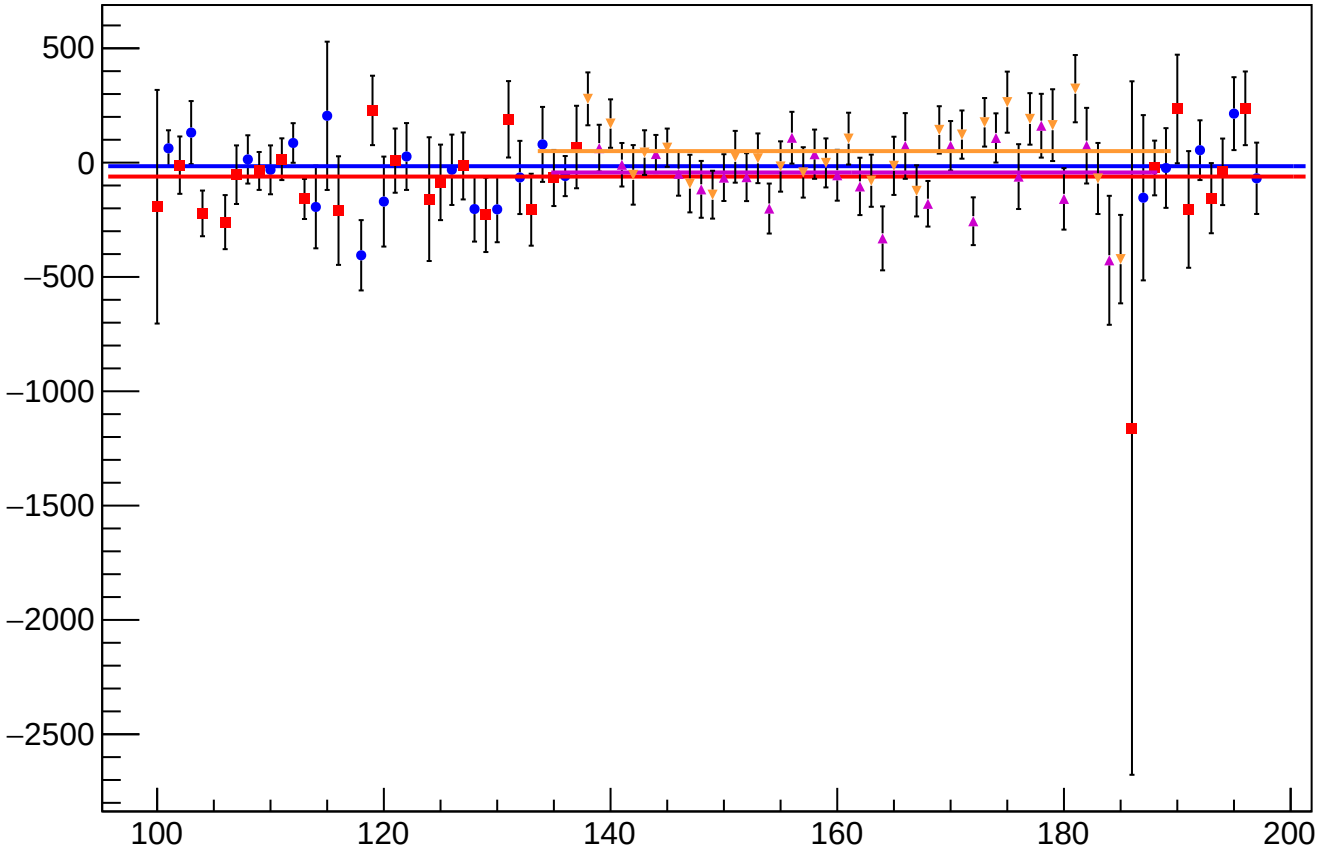
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 690.457+/-0.093 χ^2/NDF: 4713421.9/45

All: 686.965+/-0.066 χ^2/NDF: 10572874.2/94

- sign 683.500+/-0.093 χ^2/NDF: 5856656.0/48

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -15.651+/-28.809 χ^2/NDF: 18.9/20

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -60.969+/-27.242 χ^2/NDF: 23.2/25

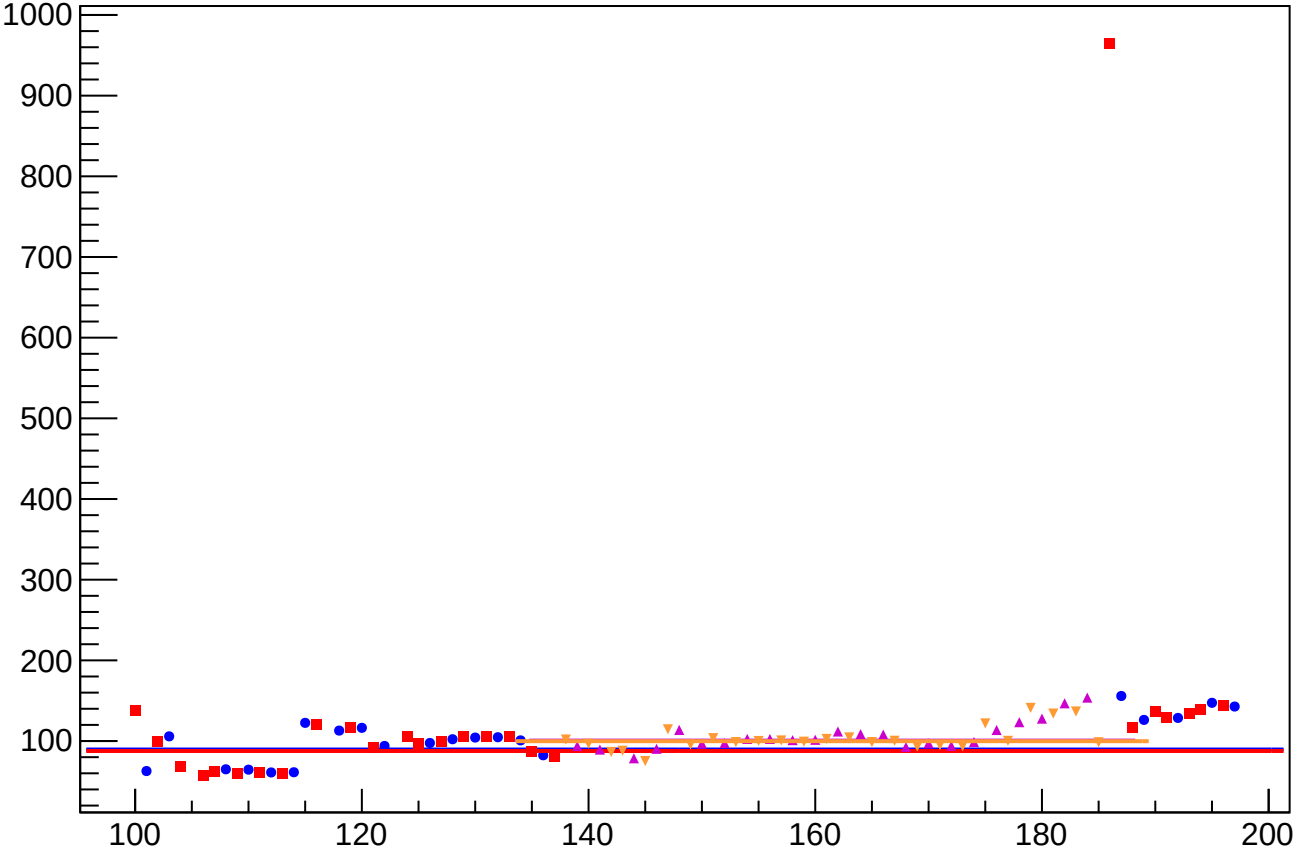
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 24.699+/-17.954 χ^2/NDF: 55.6/45

All: -13.142+/-12.678 χ^2/NDF: 114.5/94

- sign -50.778+/-17.905 χ^2/NDF: 50.1/48

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 89.480+/-0.020 χ^2/NDF: 1761273.0/20

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

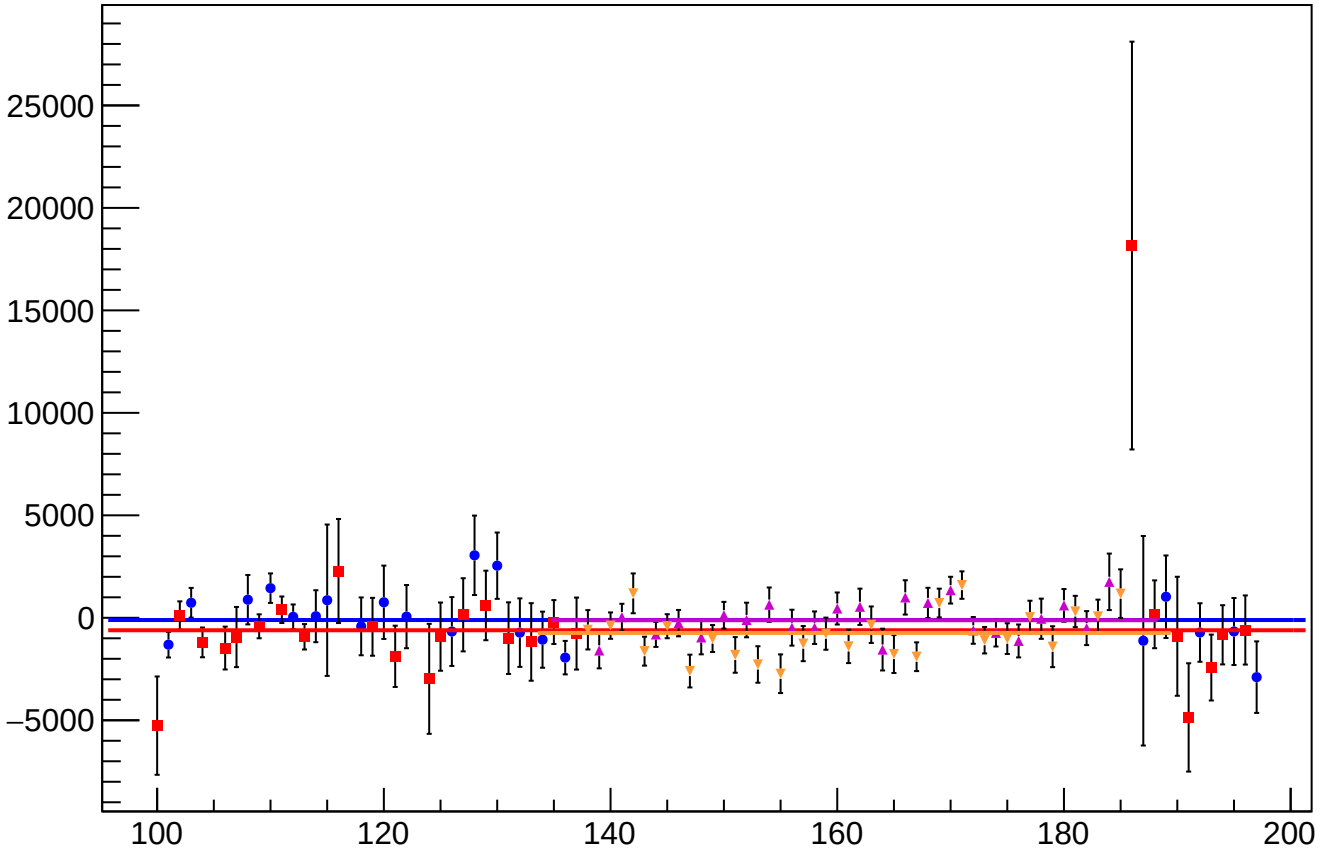
Right Out: 87.677+/-0.019 χ^2/NDF: 2734338.4/25

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 95.816+/-0.013 χ^2/NDF: 2617195.5/45

All: 95.386+/-0.009 χ^2/NDF: 6262289.5/94

- sign 94.959+/-0.013 χ^2/NDF: 3642812.3/48



Right In: -108.476+/-245.309 χ^2/NDF: 25.2/20

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

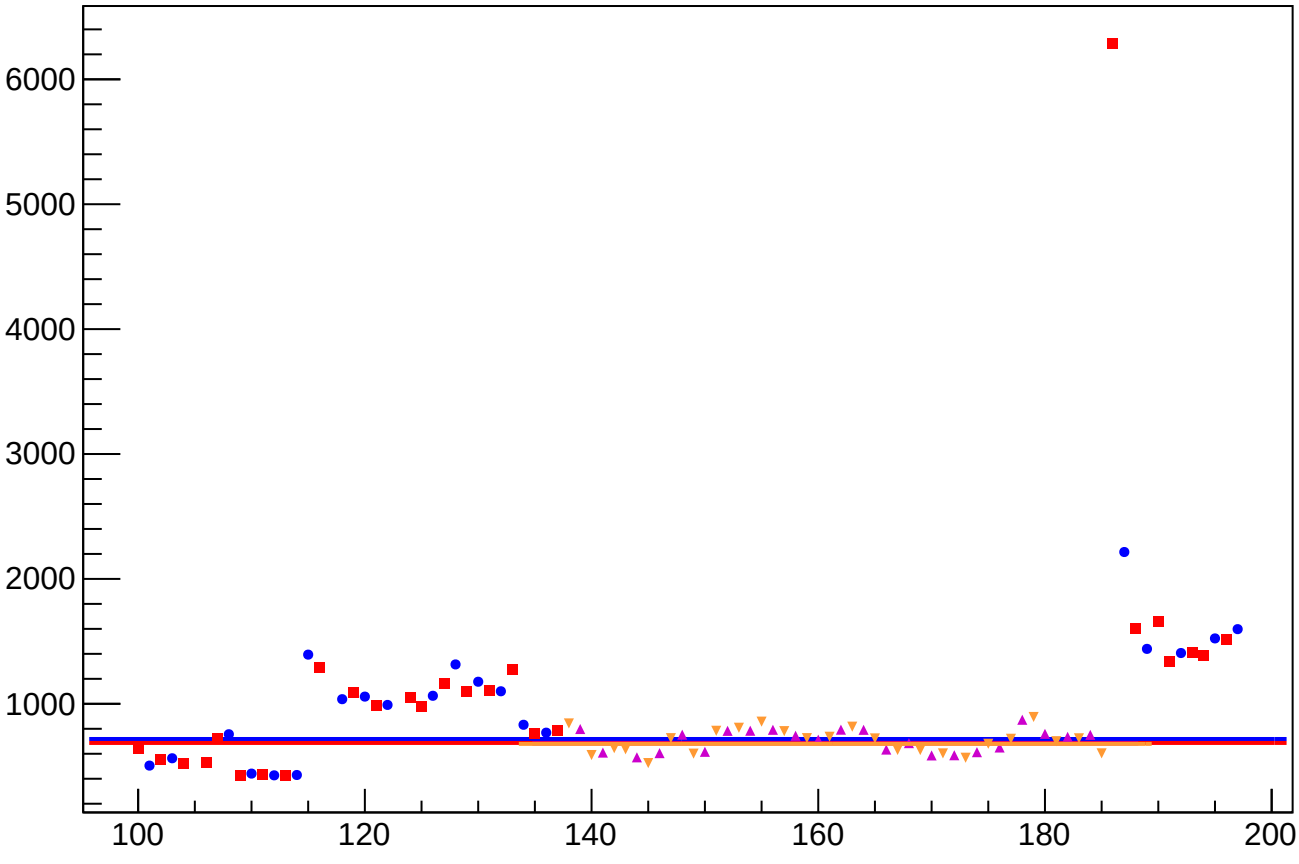
Right Out: -607.508+/-226.959 χ^2/NDF: 20.6/25

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -556.460+/-131.824 χ^2/NDF: 79.5/45

All: -417.832+/-93.031 χ^2/NDF: 129.2/94

- sign -280.284+/-131.310 χ^2/NDF: 47.4/48



Right In: 718.314+/-0.173 χ^2/NDF: 3939740.2/20

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 686.693+/-0.160 χ^2/NDF: 5282247.4/25

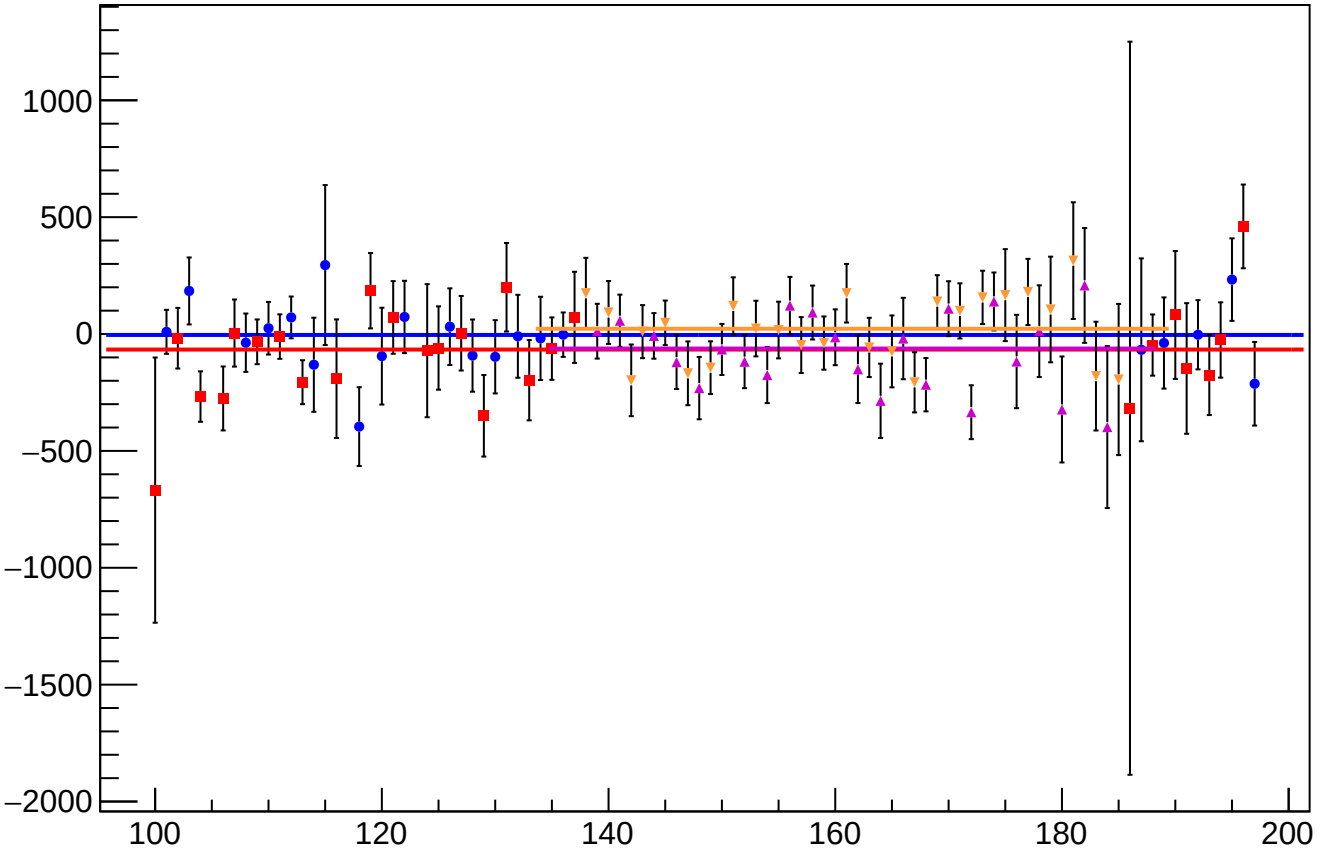
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 690.457+/-0.093 χ^2/NDF: 4713421.9/45

All: 686.965+/-0.066 χ^2/NDF: 10572874.2/94

- sign 683.500+/-0.093 χ^2/NDF: 5856656.0/48

dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.890+/-31.636 χ^2/NDF: 13.6/20

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -66.387+/-29.777 χ^2/NDF: 28.9/25

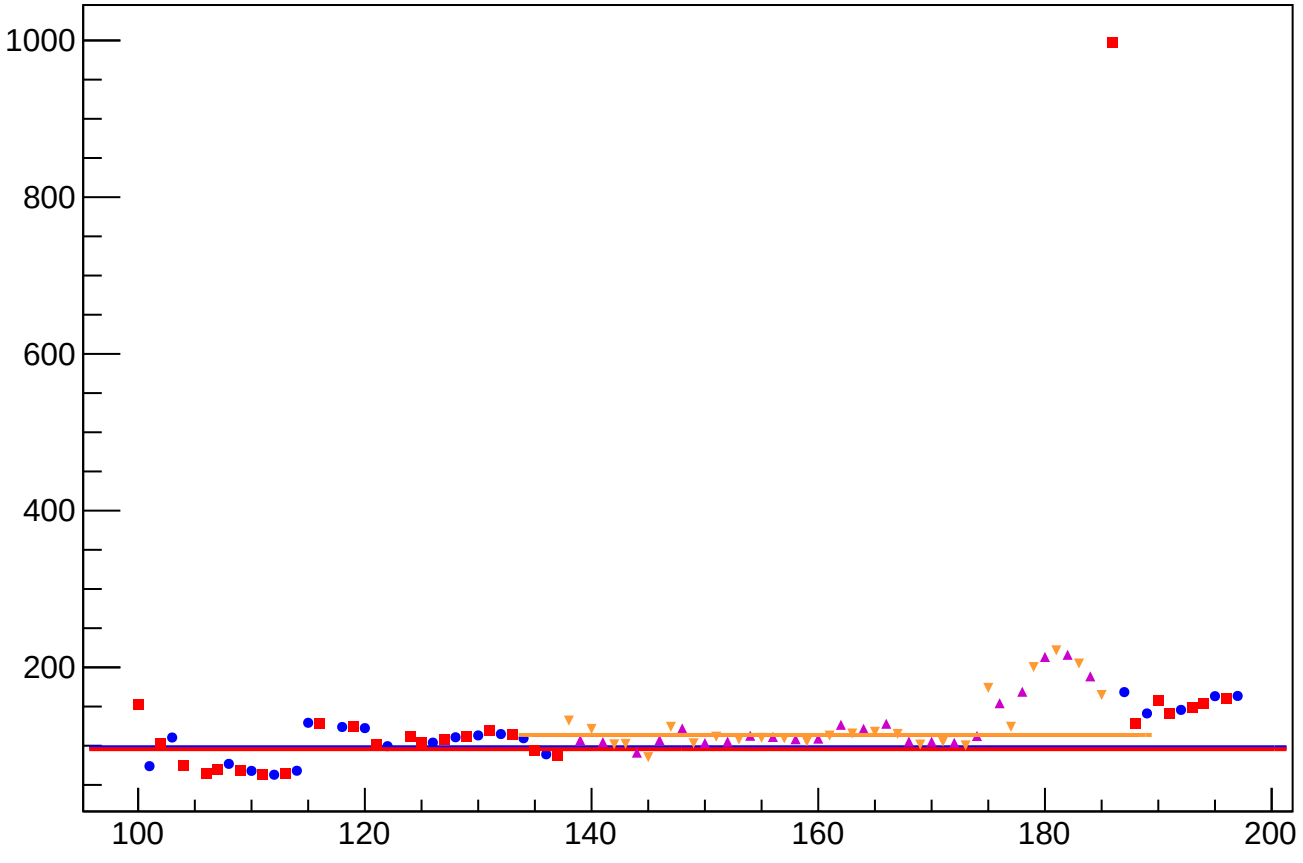
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.574+/-20.379 χ^2/NDF: 35.6/45

All: -26.712+/-14.324 χ^2/NDF: 98.8/94

- sign -64.098+/-20.138 χ^2/NDF: 56.2/48

dit_asym_sam_1548_avg_rms vs Slug



Right In: 98.037+/-0.022 χ^2/NDF: 1781254.1/20

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 95.612+/-0.021 χ^2/NDF: 2743750.6/25

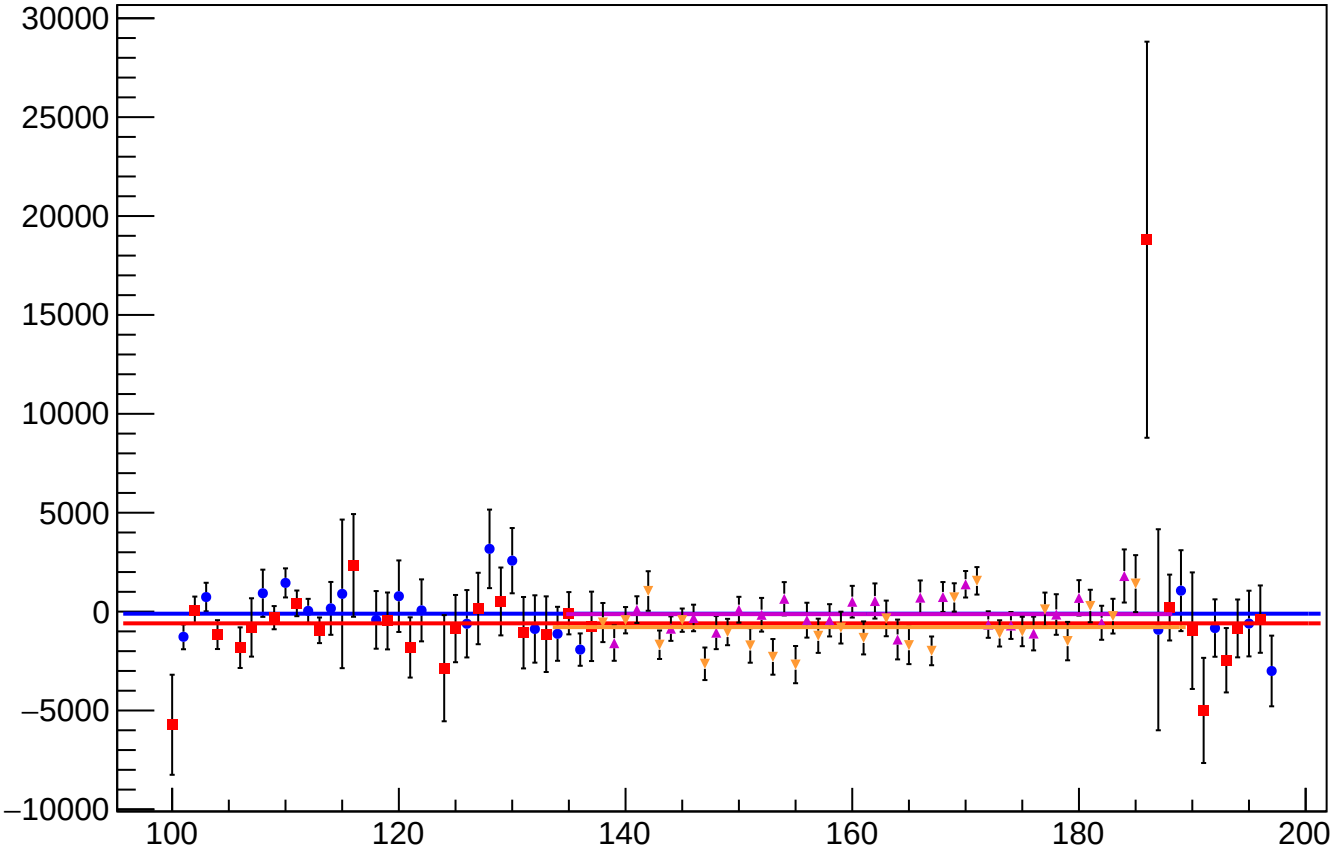
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 107.239+/-0.014 χ^2/NDF: 3650417.3/45

All: 106.316+/-0.010 χ^2/NDF: 8117758.8/94

- sign 105.414+/-0.014 χ^2/NDF: 4459223.0/48

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -105.537+/-247.768 χ^2/NDF: 25.0/20

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -593.999+/-229.411 χ^2/NDF: 21.8/25

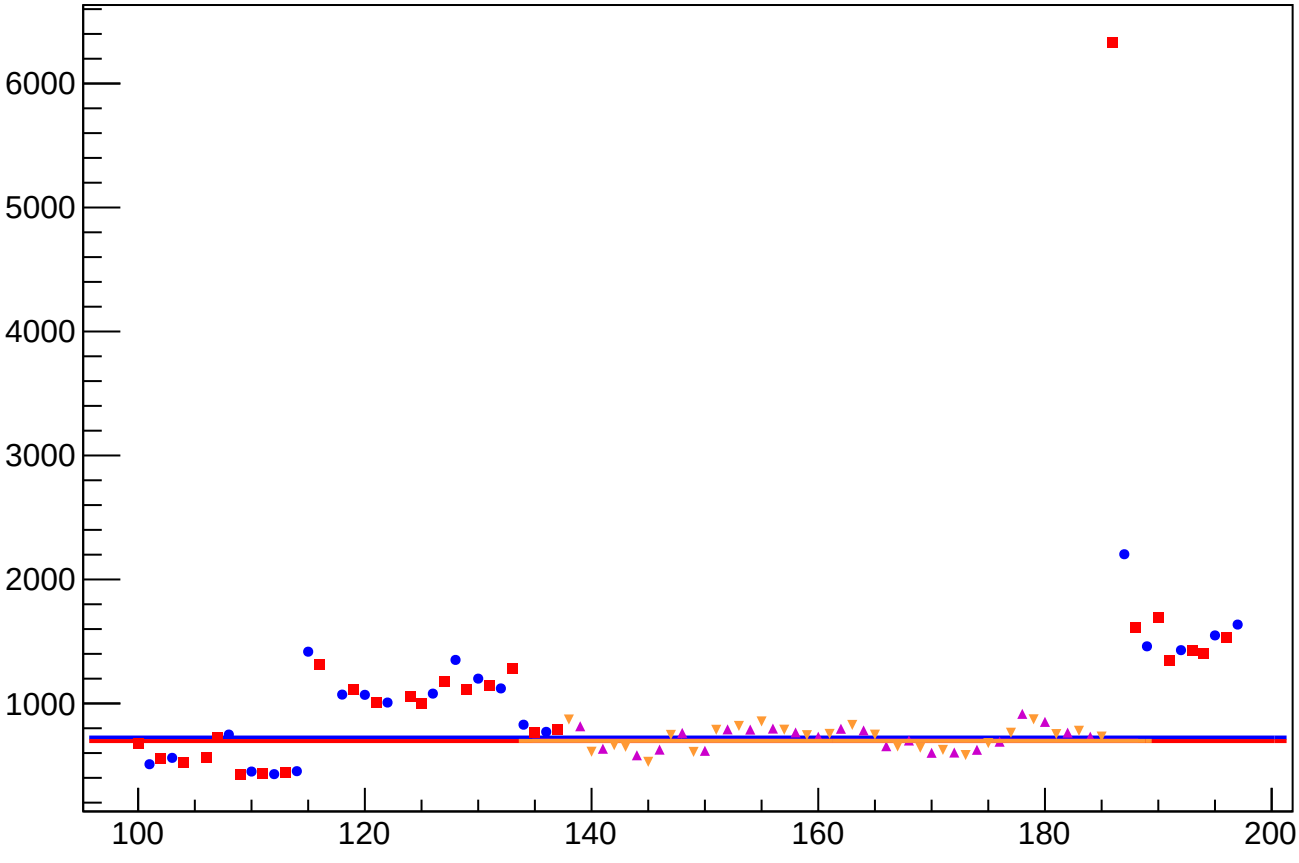
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -583.688+/-134.696 χ^2/NDF: 75.7/45

All: -434.824+/-95.029 χ^2/NDF: 125.3/94

- sign -287.300+/-134.088 χ^2/NDF: 47.2/48

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 725.143+/-0.175 χ^2/NDF: 3978087.3/20

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 696.580+/-0.162 χ^2/NDF: 5265928.0/25

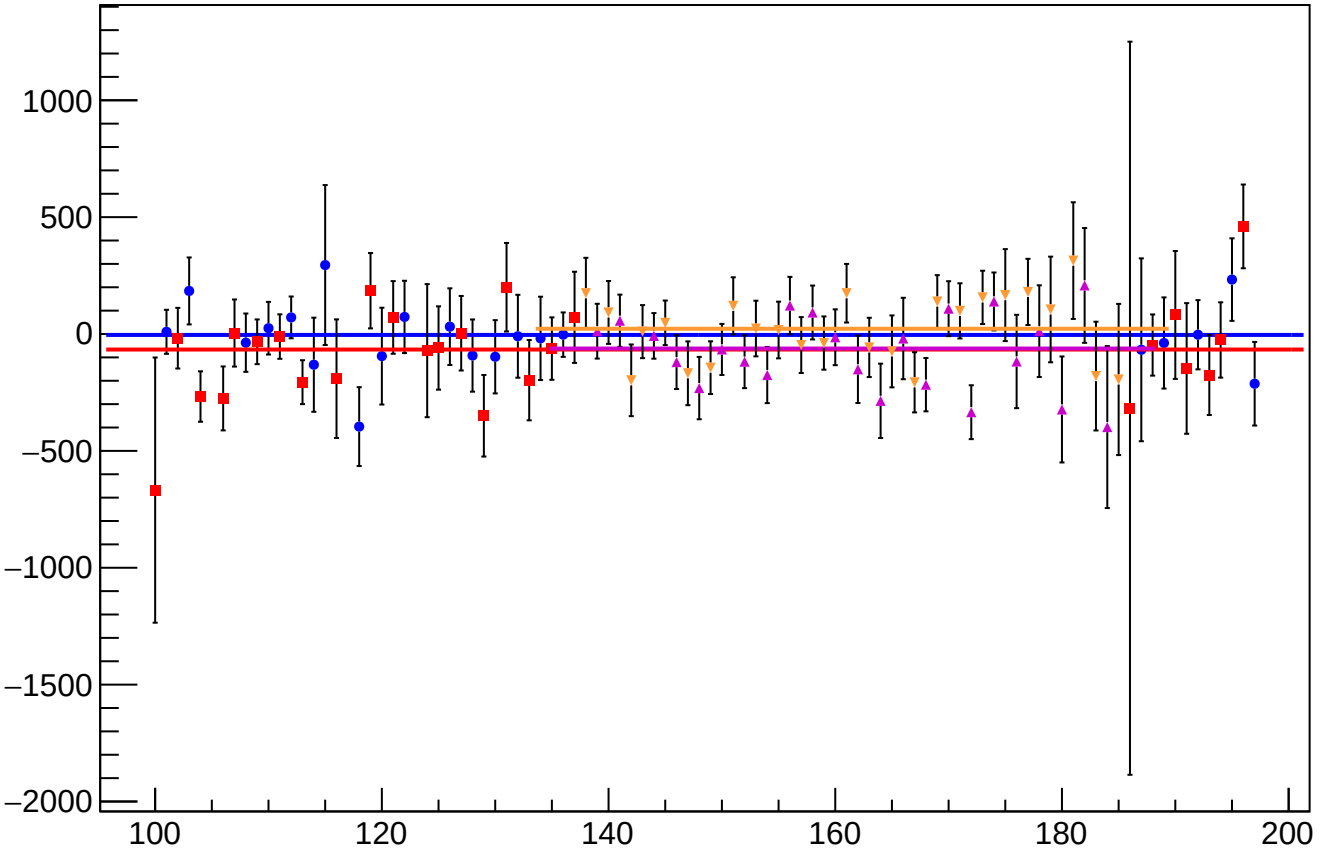
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 706.189+/-0.095 χ^2/NDF: 4709388.6/45

All: 702.520+/-0.067 χ^2/NDF: 10562896.3/94

- sign 698.884+/-0.095 χ^2/NDF: 5850553.1/48

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -3.889+/-31.636 χ^2/NDF: 13.6/20

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -66.387+/-29.777 χ^2/NDF: 28.9/25

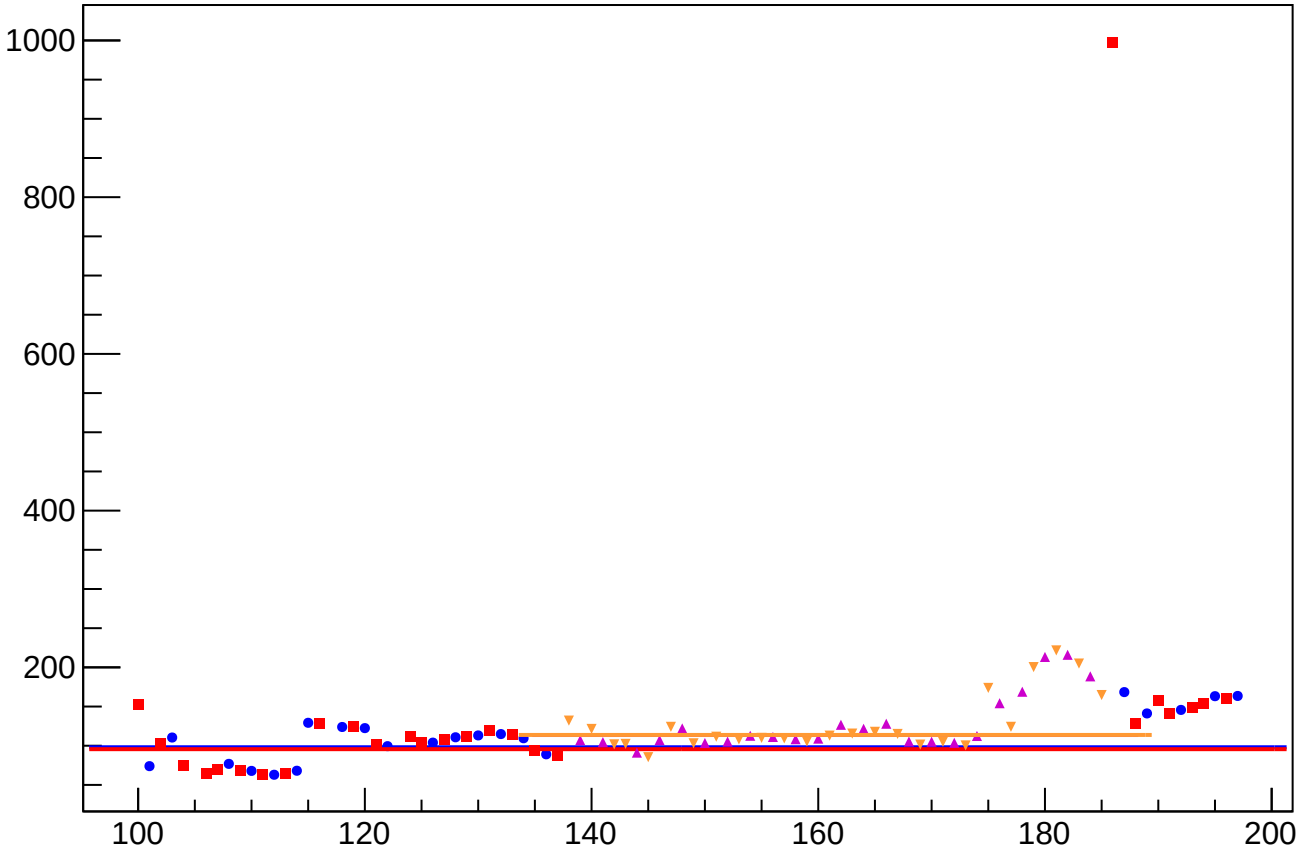
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.576+/-20.379 χ^2/NDF: 35.6/45

All: -26.711+/-14.324 χ^2/NDF: 98.8/94

- sign -64.098+/-20.138 χ^2/NDF: 56.2/48

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 98.037+/-0.022 χ^2/NDF: 1781247.9/20

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

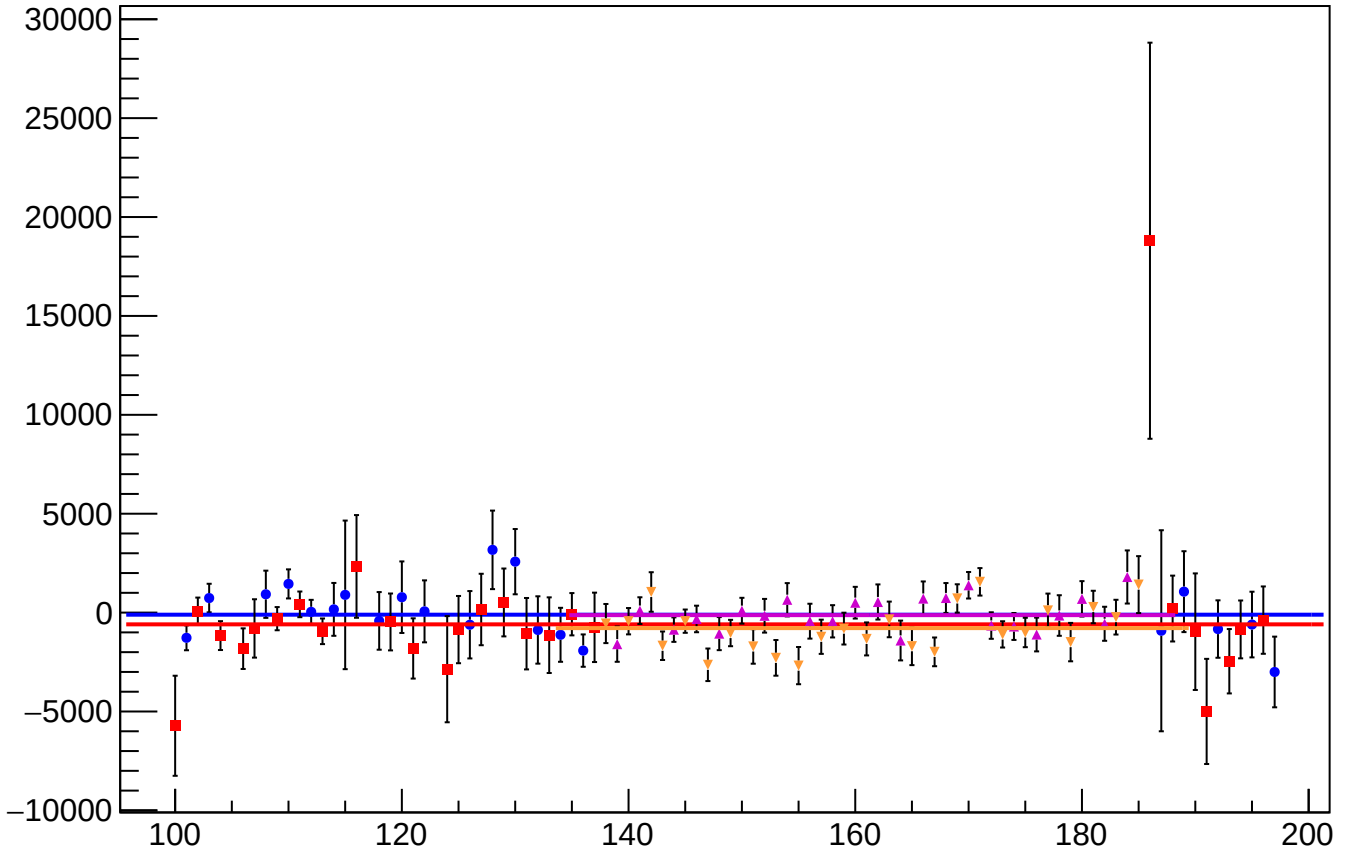
Right Out: 95.612+/-0.021 χ^2/NDF: 2743750.2/25

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 107.239+/-0.014 χ^2/NDF: 3650407.2/45

All: 106.316+/-0.010 χ^2/NDF: 8117735.7/94

- sign 105.414+/-0.014 χ^2/NDF: 4459210.0/48



Right In: -105.536+/-247.767 χ^2/NDF: 25.0/20

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

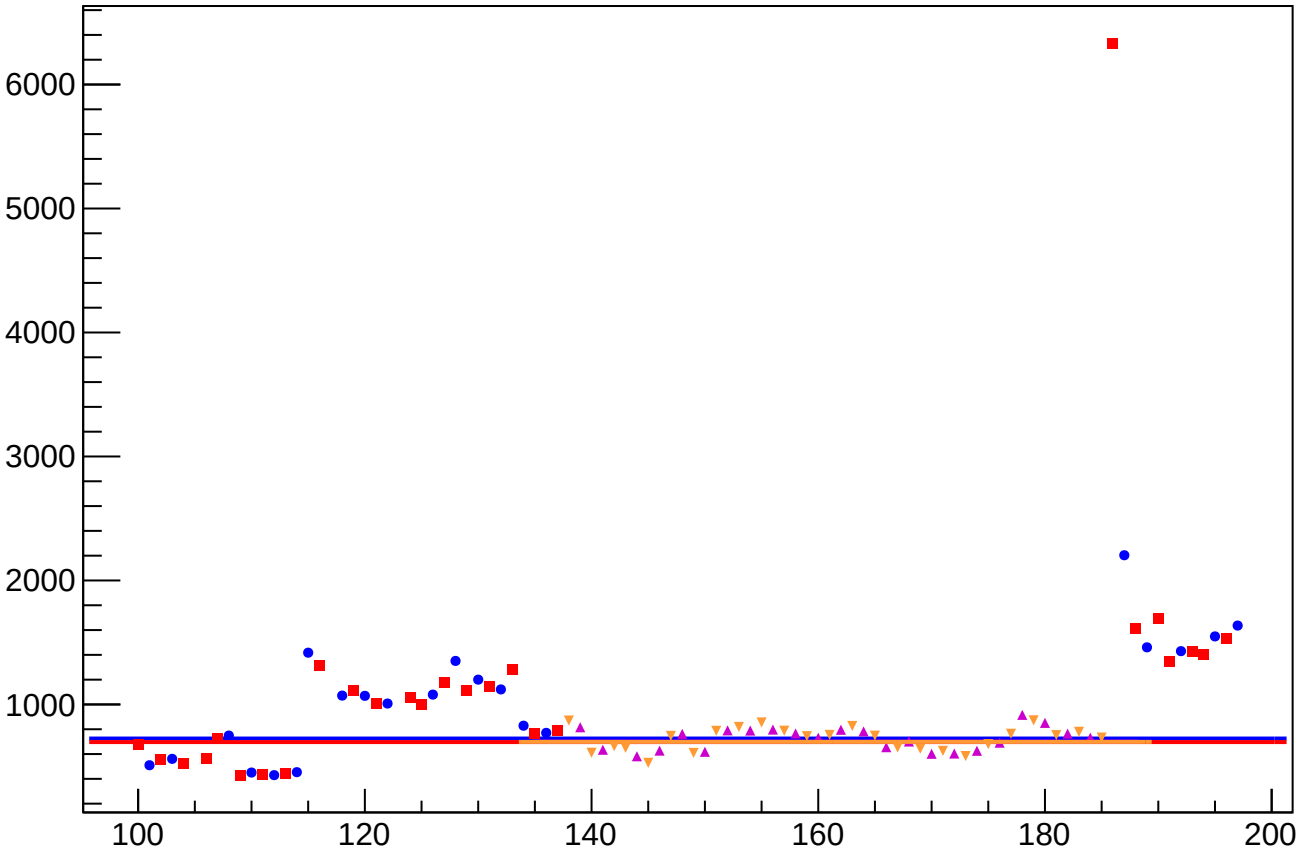
Right Out: -593.998+/-229.411 χ^2/NDF: 21.8/25

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -583.686+/-134.696 χ^2/NDF: 75.7/45

All: -434.823+/-95.029 χ^2/NDF: 125.3/94

- sign -287.299+/-134.088 χ^2/NDF: 47.2/48



Right In: 725.142+/-0.175 χ^2/NDF: 3978090.6/20

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 696.579+/-0.162 χ^2/NDF: 5265925.5/25

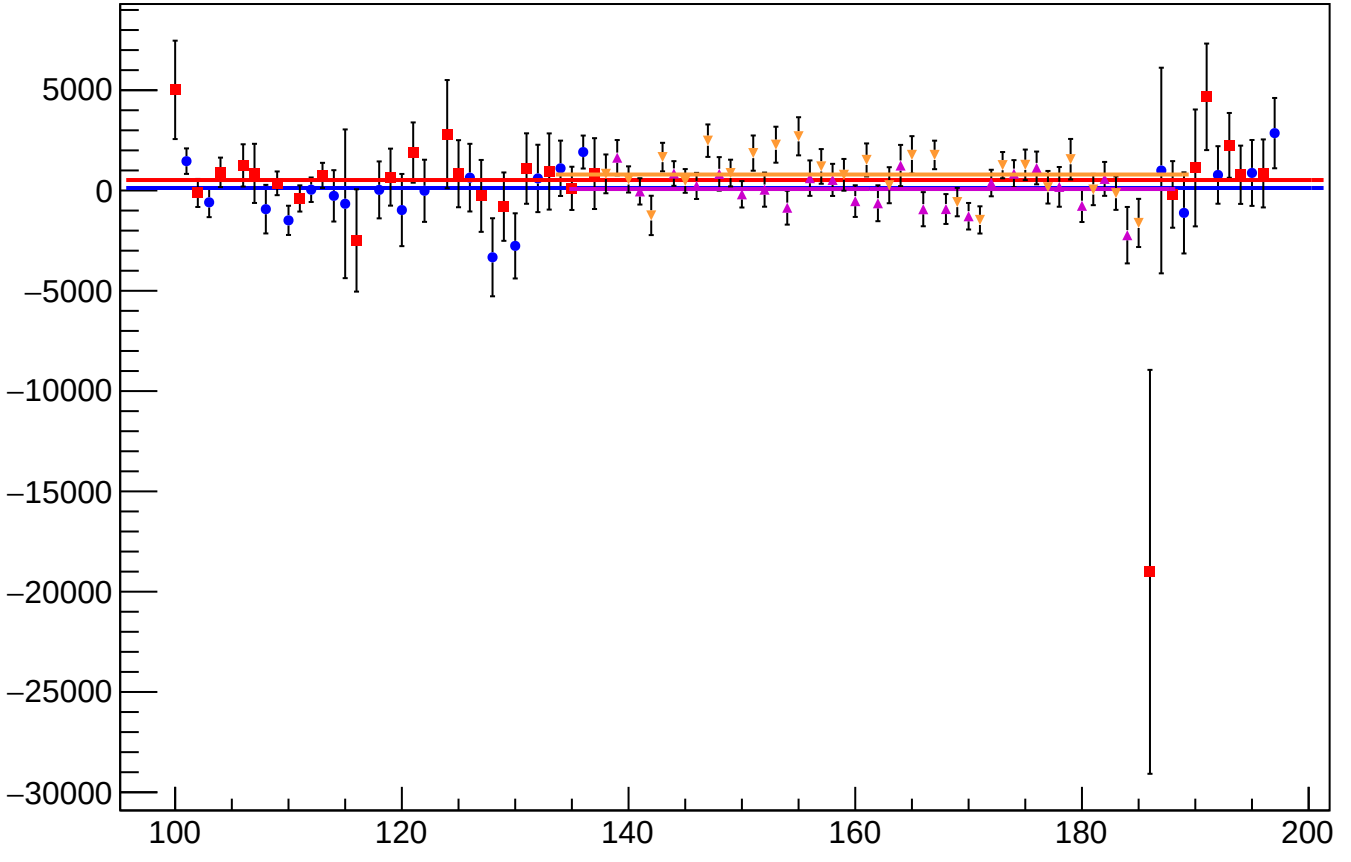
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 706.188+/-0.095 χ^2/NDF: 4709390.1/45

All: 702.519+/-0.067 χ^2/NDF: 10562890.7/94

- sign 698.883+/-0.095 χ^2/NDF: 5850546.0/48

asym_sam_1548_avg_mean vs Slug



Right In: 125.086+/-247.832 χ^2/NDF: 26.6/20

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 522.436+/-229.187 χ^2/NDF: 19.0/25

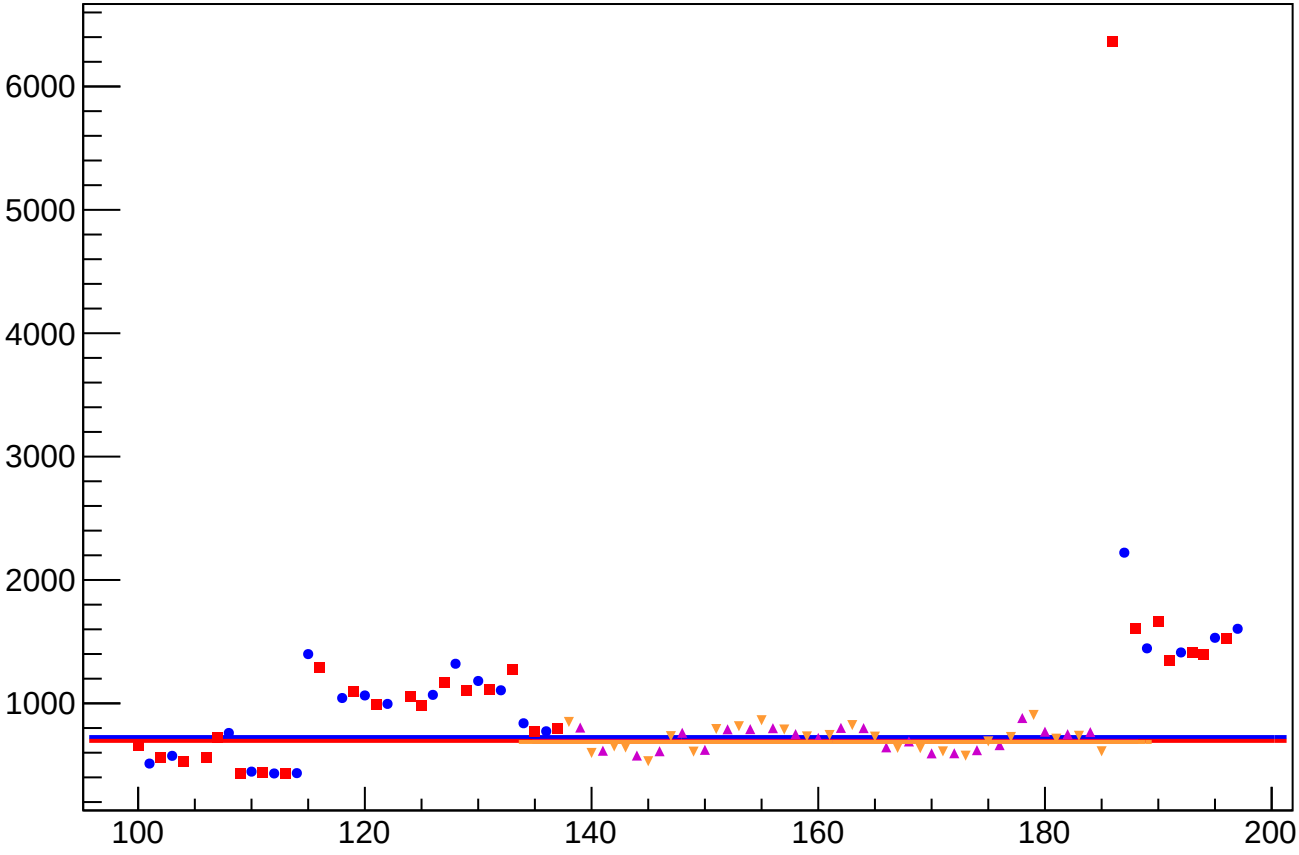
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 602.511+/-133.313 χ^2/NDF: 78.2/45

All: 412.555+/-94.073 χ^2/NDF: 128.6/94

- sign 224.154+/-132.766 χ^2/NDF: 46.4/48

asym_sam_1548_avg_rms vs Slug



Right In: 726.720+/-0.175 χ^2/NDF: 3886239.9/20

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

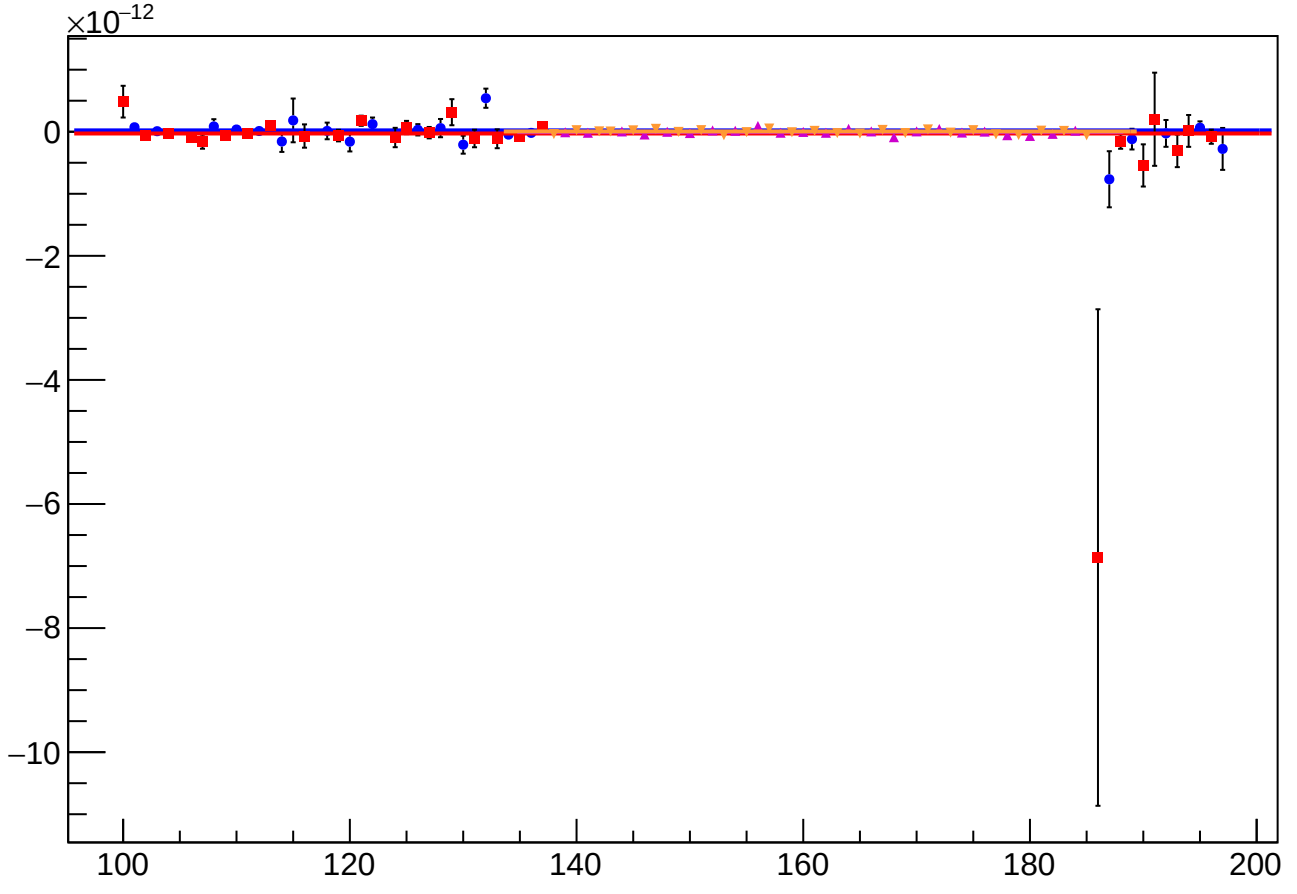
Right Out: 695.964+/-0.162 χ^2/NDF: 5212160.1/25

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 698.666+/-0.094 χ^2/NDF: 4650296.2/45

All: 695.319+/-0.067 χ^2/NDF: 10432956.9/94

- sign 691.999+/-0.094 χ^2/NDF: 5780149.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

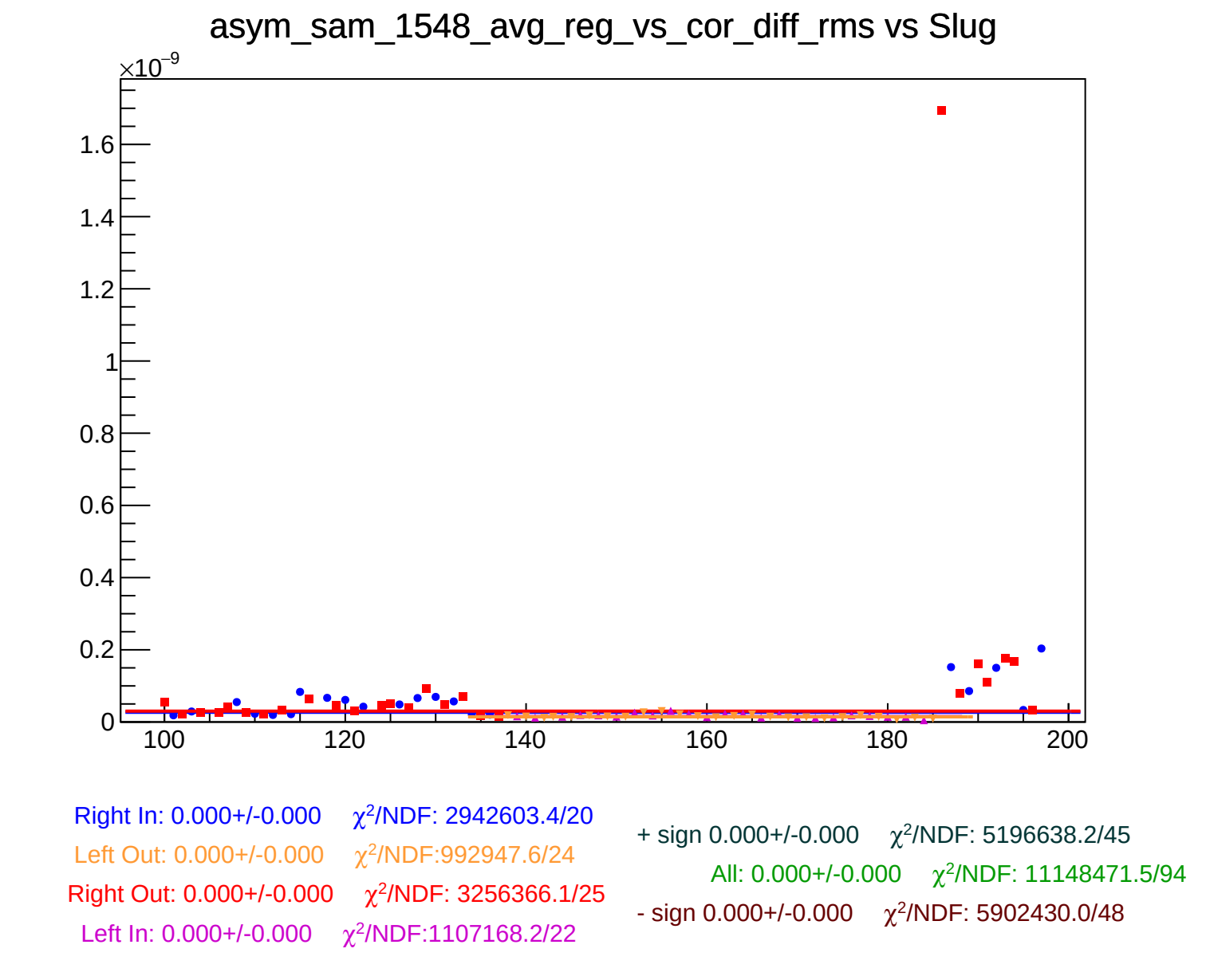
Right Out: -0.000+/-0.000 χ^2/NDF: 33.7/25

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

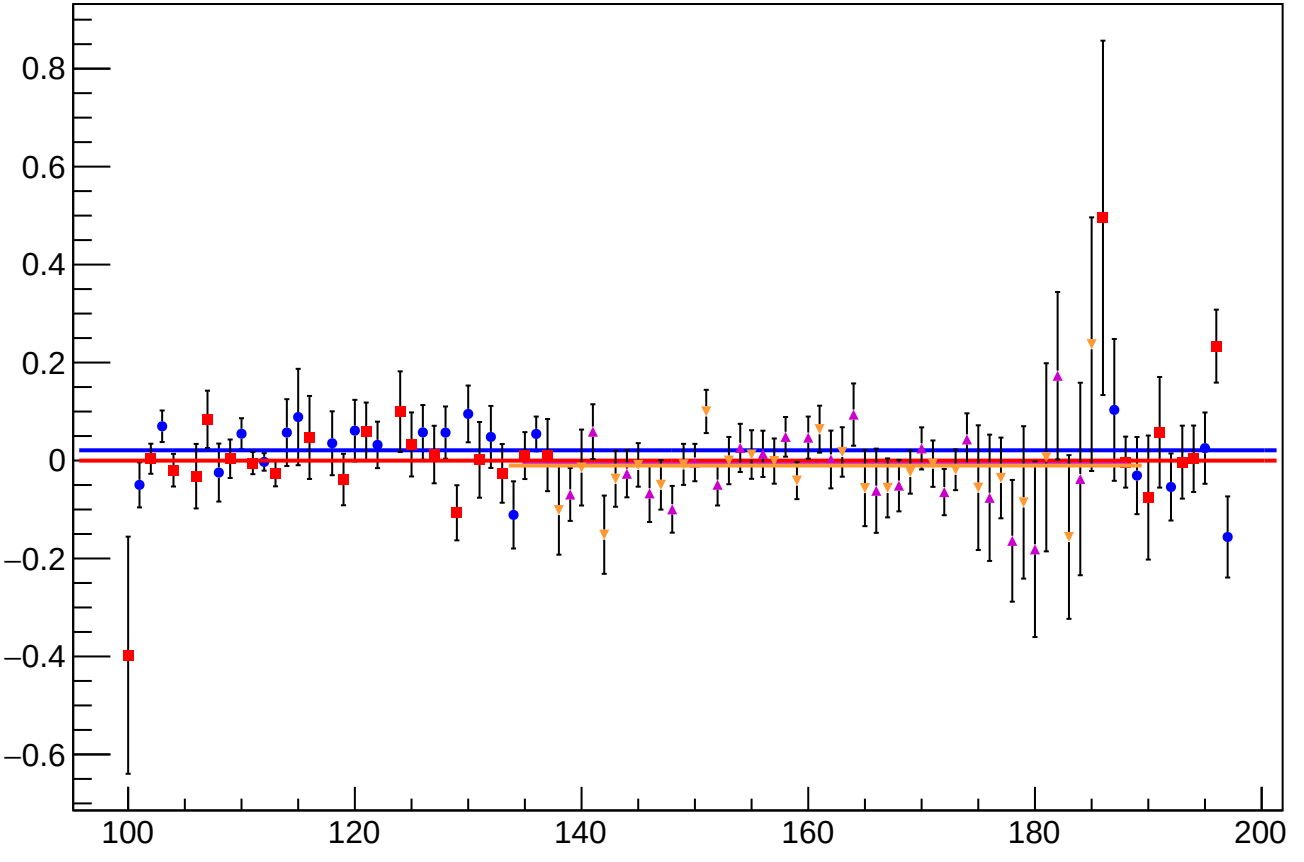
+ sign 0.000+/-0.000 χ^2/NDF: 51.5/45

All: -0.000+/-0.000 χ^2/NDF: 117.6/94

- sign -0.000+/-0.000 χ^2/NDF: 61.9/48


asym_sam_1548_avg_reg_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: 2942603.4/20
Left Out: 0.000+/-0.000 χ²/NDF:992947.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3256366.1/25
Left In: 0.000+/-0.000 χ²/NDF:1107168.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5196638.2/45
All: 0.000+/-0.000 χ²/NDF: 11148471.5/94
- sign 0.000+/-0.000 χ²/NDF: 5902430.0/48

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.010 χ^2/NDF: 23.2/20

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.010 χ^2/NDF: 26.2/25

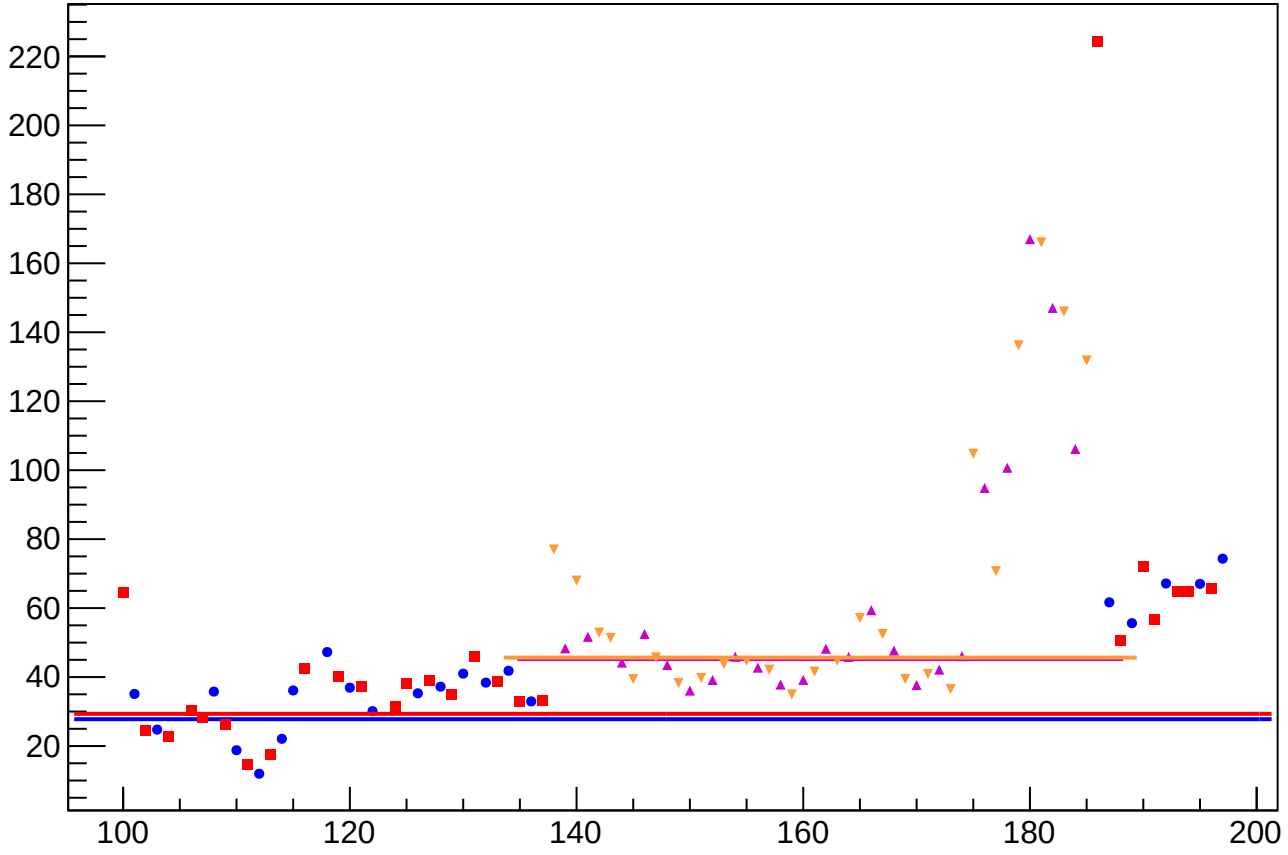
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.007+/-0.007 χ^2/NDF: 45.6/45

All: 0.002+/-0.005 χ^2/NDF: 96.3/94

- sign -0.003+/-0.007 χ^2/NDF: 49.7/48

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.790+/-0.007 χ^2/NDF: 4705176.9/20

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

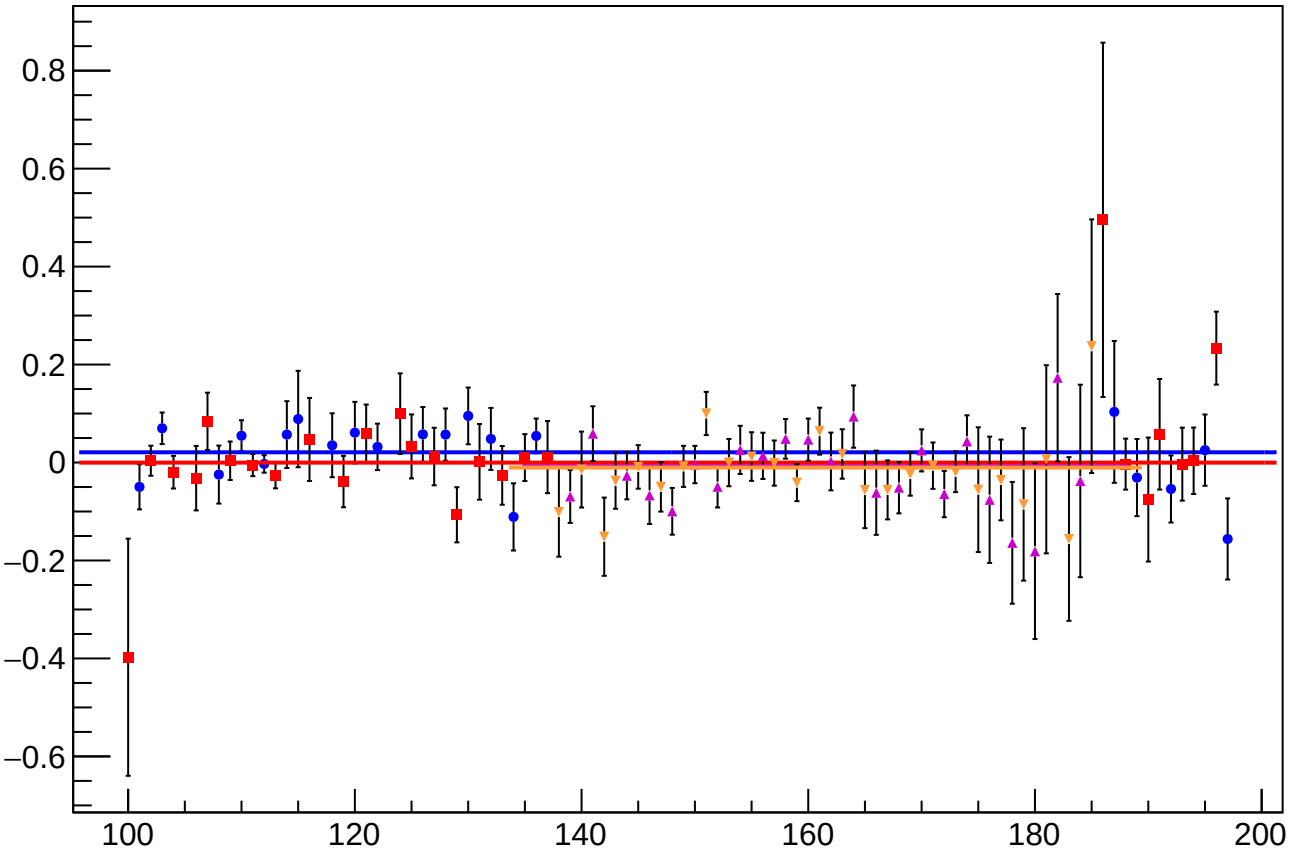
Right Out: 29.334+/-0.007 χ^2/NDF: 4613092.5/25

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 35.619+/-0.005 χ^2/NDF: 11539131.5/45

All: 35.843+/-0.004 χ^2/NDF: 21379340.5/94

- sign 36.065+/-0.005 χ^2/NDF: 9836624.6/48



Right In: 0.021+/-0.010 χ^2/NDF: 23.2/20

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

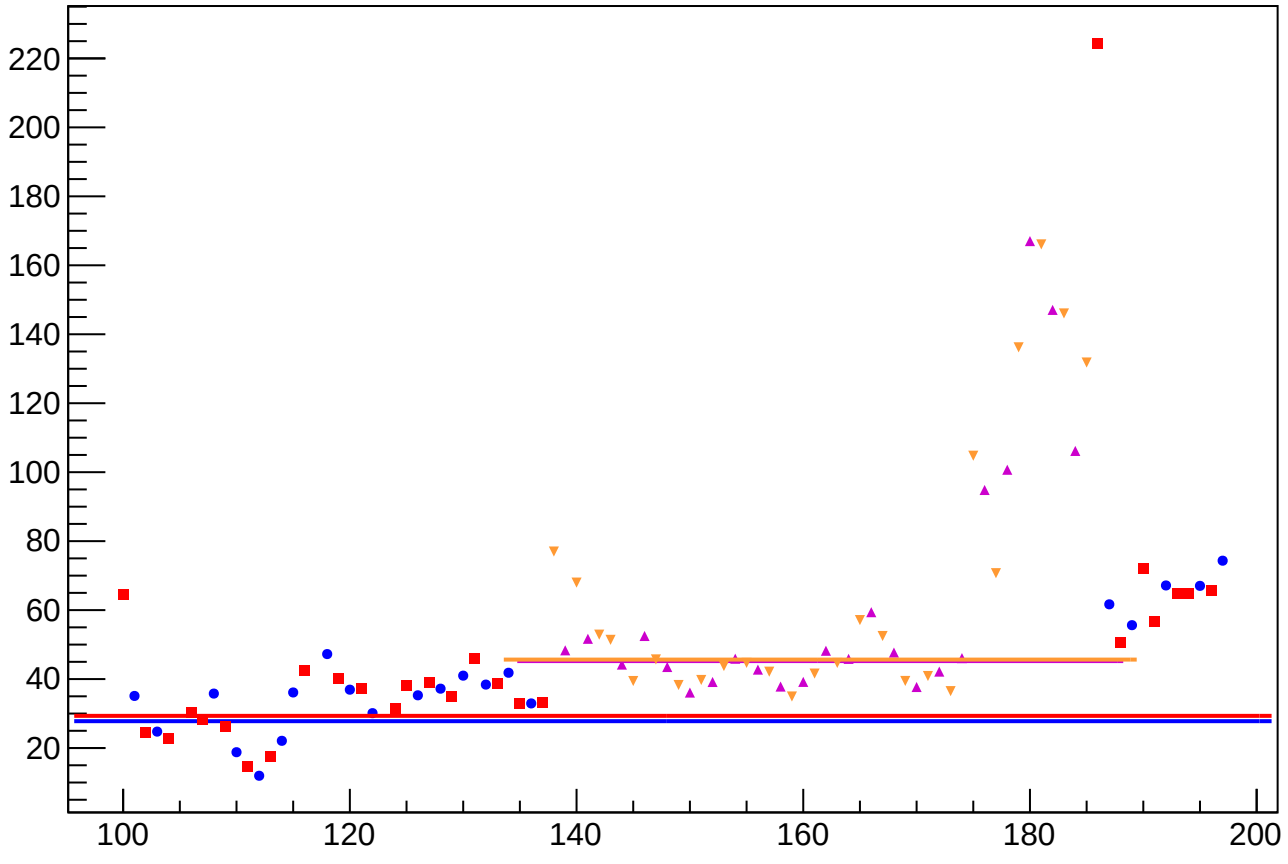
Right Out: -0.000+/-0.010 χ^2/NDF: 26.2/25

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.007+/-0.007 χ^2/NDF: 45.6/45

All: 0.002+/-0.005 χ^2/NDF: 96.3/94

- sign -0.003+/-0.007 χ^2/NDF: 49.7/48



Right In: 27.790+/-0.007 χ^2/NDF: 4705176.9/20

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

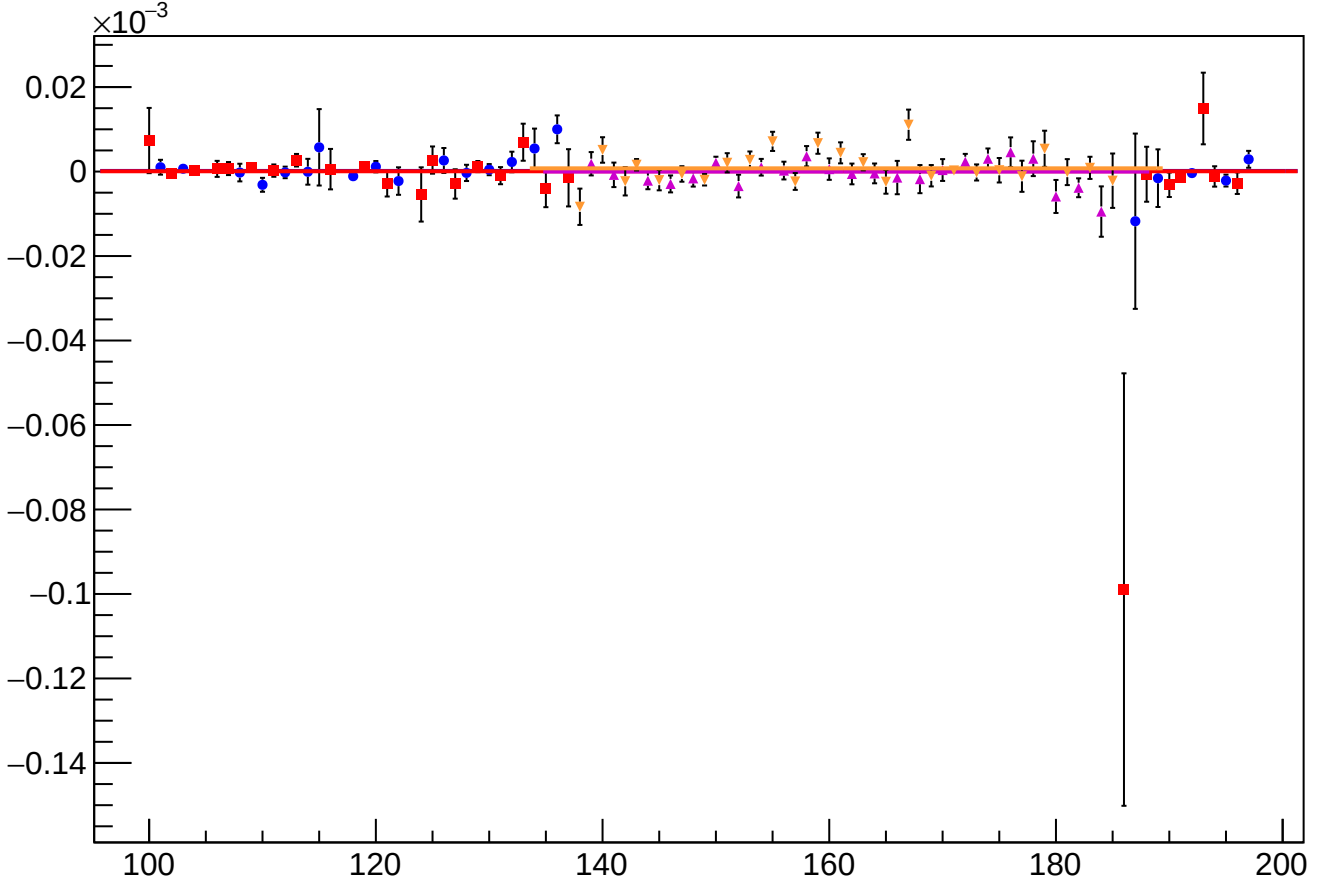
Right Out: 29.334+/-0.007 χ^2/NDF: 4613092.5/25

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 35.619+/-0.005 χ^2/NDF: 11539131.5/45

All: 35.843+/-0.004 χ^2/NDF: 21379340.5/94

- sign 36.065+/-0.005 χ^2/NDF: 9836624.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

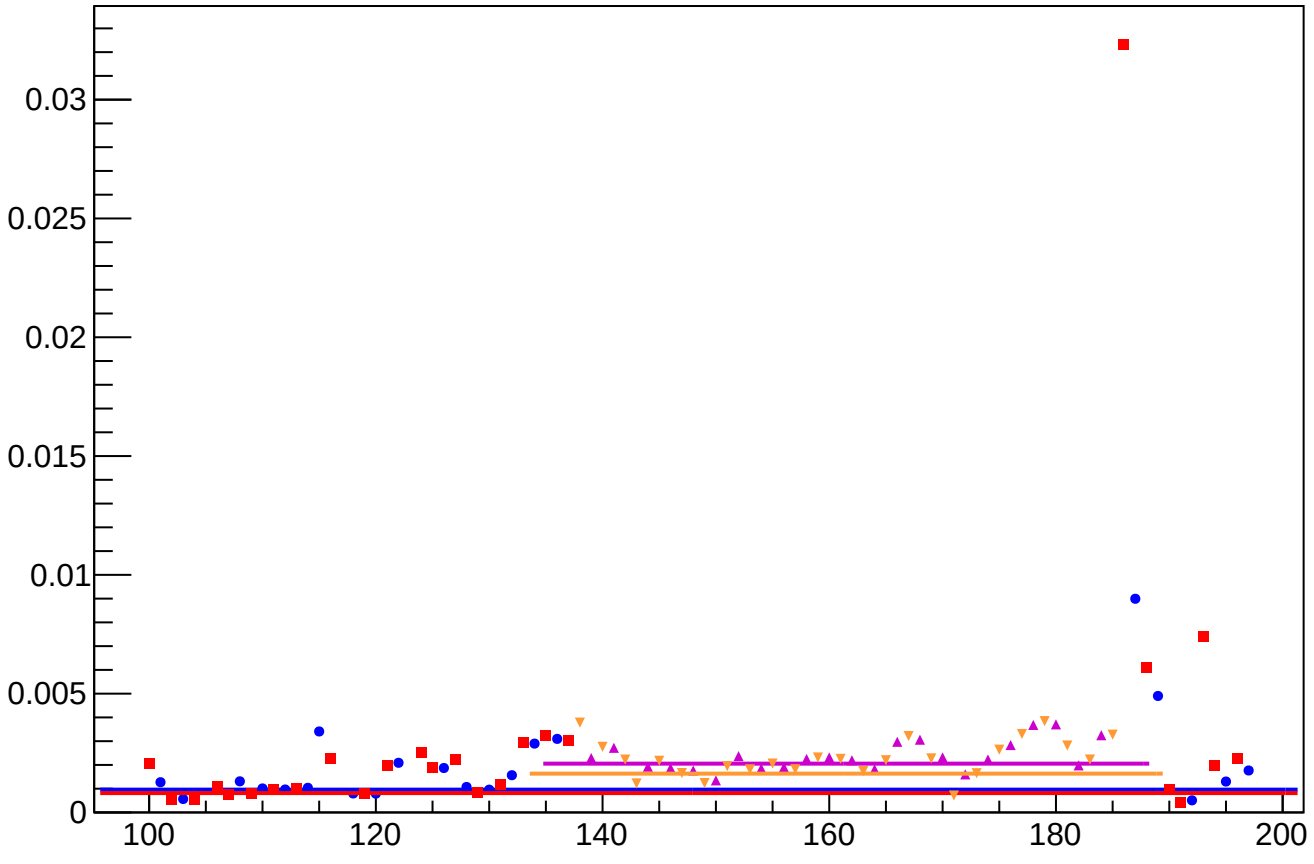
Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/25

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.0/45

All: 0.000+/-0.000 χ^2/NDF: 124.0/94

- sign 0.000+/-0.000 χ^2/NDF: 51.0/48



Right In: 0.001+/-0.000 χ^2/NDF: 4419600.2/20

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

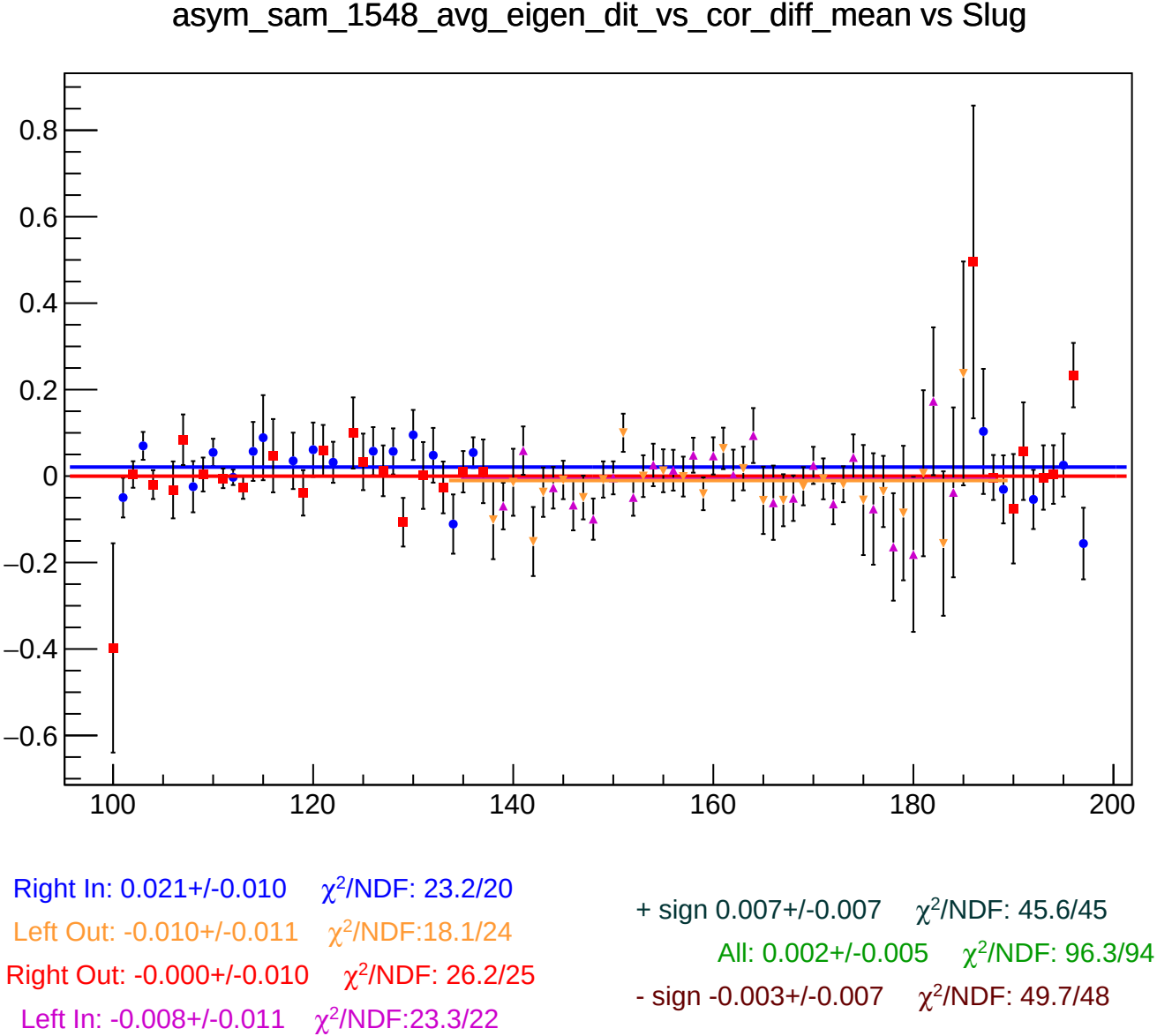
Right Out: 0.001+/-0.000 χ^2/NDF: 8210122.0/25

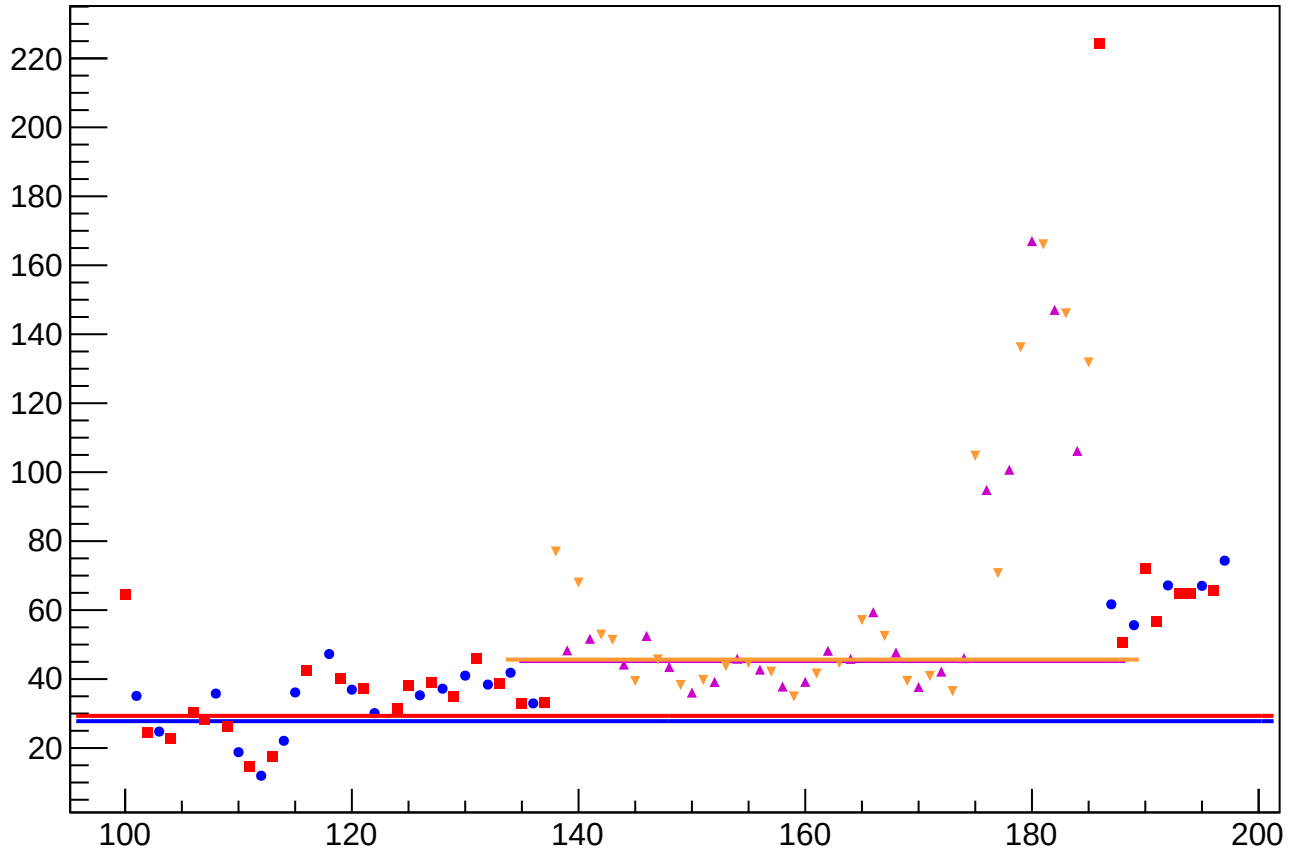
Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 13973360.3/45

All: 0.001+/-0.000 χ^2/NDF: 33314740.7/94

- sign 0.001+/-0.000 χ^2/NDF: 19207918.7/48


asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.021+/-0.010 χ²/NDF: 23.2/20
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.000+/-0.010 χ²/NDF: 26.2/25
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.007+/-0.007 χ²/NDF: 45.6/45
All: 0.002+/-0.005 χ²/NDF: 96.3/94
- sign -0.003+/-0.007 χ²/NDF: 49.7/48



Right In: 27.789+/-0.007 χ^2/NDF: 4705394.5/20

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

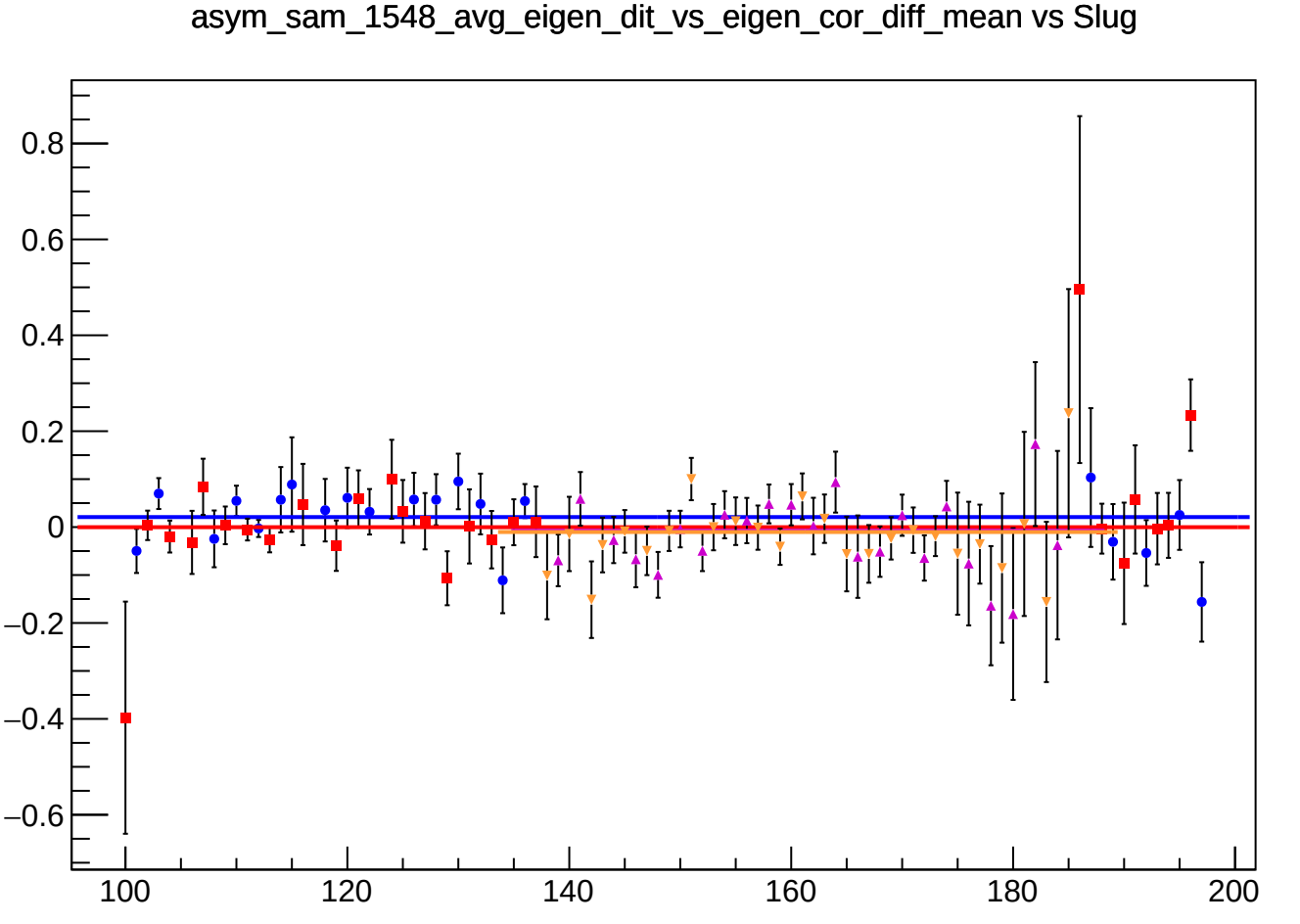
Right Out: 29.333+/-0.007 χ^2/NDF: 4613283.0/25

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

\+ sign 35.618+/-0.005 χ^2/NDF: 11539596.4/45

All: 35.842+/-0.004 χ^2/NDF: 21380153.0/94

\- sign 36.064+/-0.005 χ^2/NDF: 9836969.7/48



Right In: 0.021+/-0.010 χ^2/NDF: 23.2/20

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

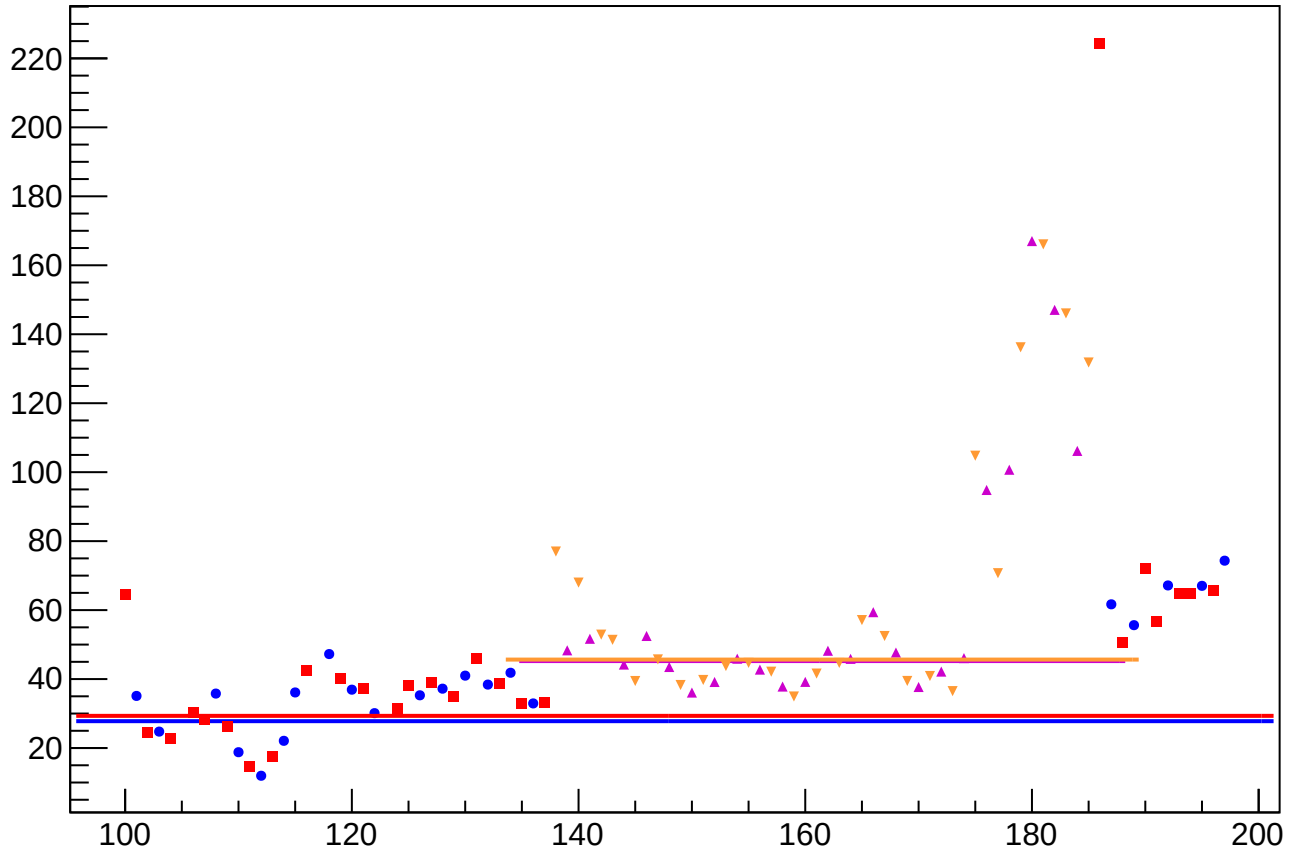
Right Out: -0.000+/-0.010 χ^2/NDF: 26.2/25

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.007+/-0.007 χ^2/NDF: 45.6/45

All: 0.002+/-0.005 χ^2/NDF: 96.3/94

- sign -0.003+/-0.007 χ^2/NDF: 49.7/48



Right In: 27.789+/-0.007 χ^2/NDF: 4705394.5/20

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

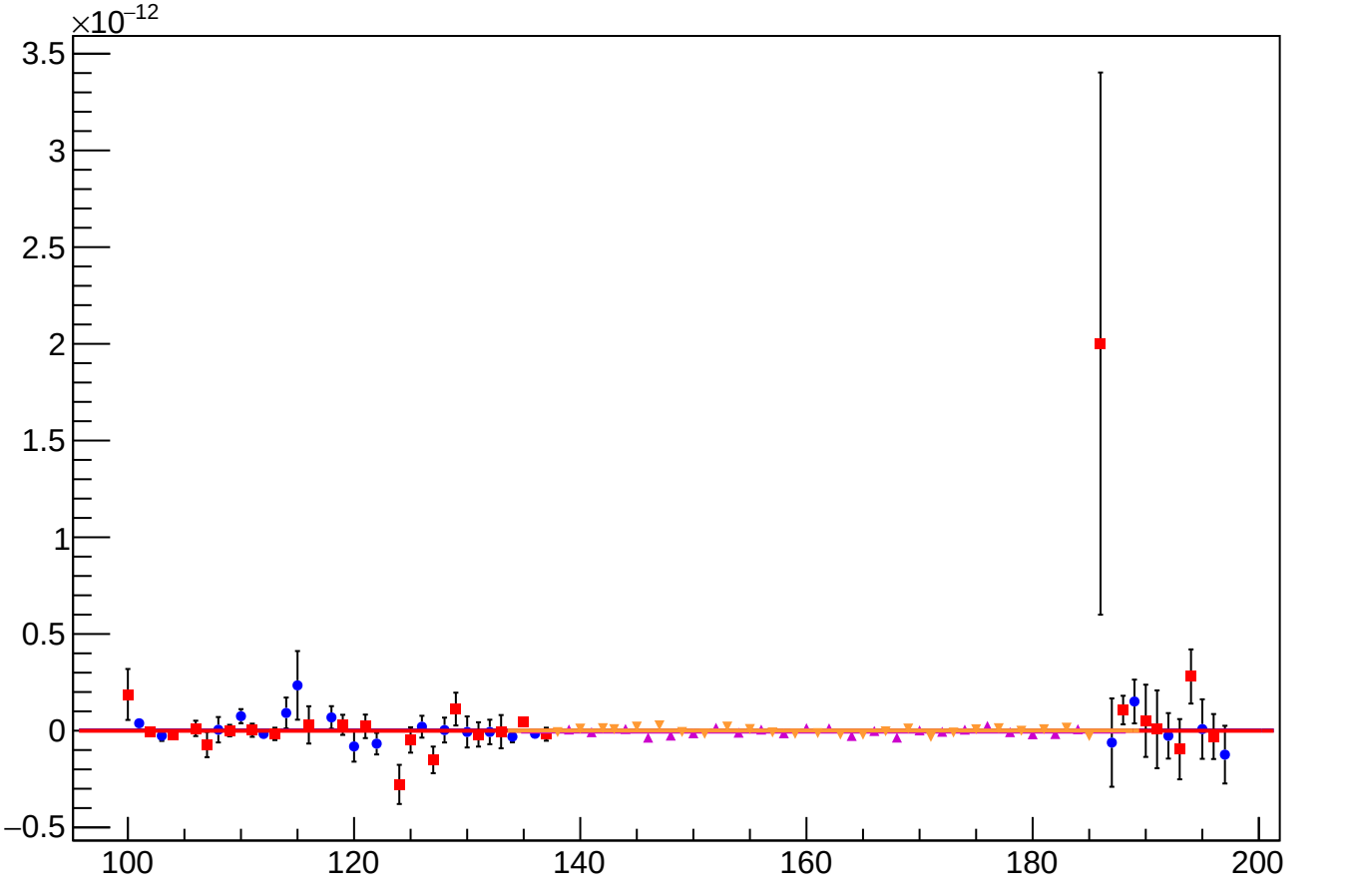
Right Out: 29.333+/-0.007 χ^2/NDF: 4613283.0/25

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 35.618+/-0.005 χ^2/NDF: 11539596.4/45

All: 35.842+/-0.004 χ^2/NDF: 21380153.0/94

- sign 36.064+/-0.005 χ^2/NDF: 9836969.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

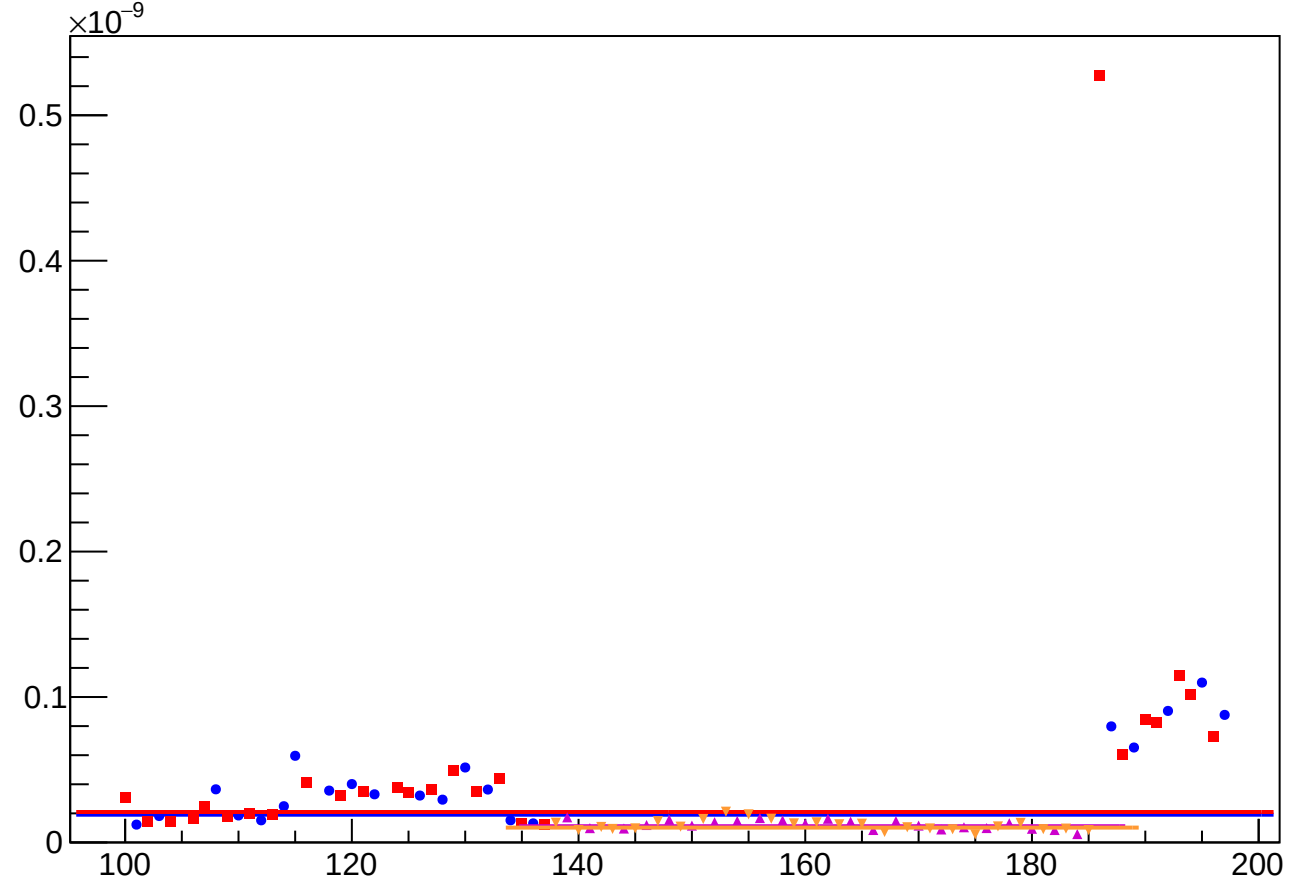
Right Out: -0.000+/-0.000 χ^2/NDF: 32.2/25

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.7/45

All: -0.000+/-0.000 χ^2/NDF: 104.5/94

- sign -0.000+/-0.000 χ^2/NDF: 56.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 4243918.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4755769.3/25

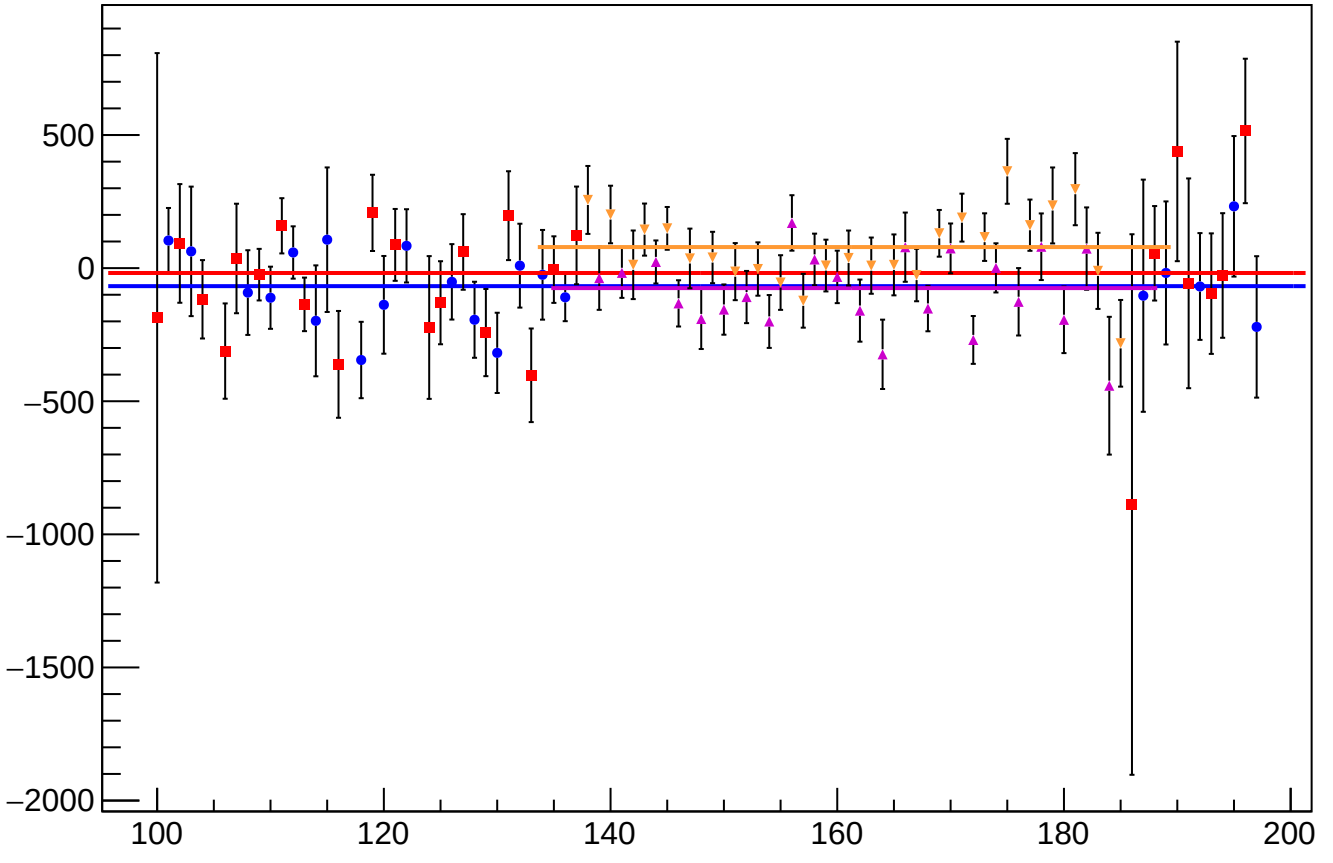
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8417358.8/45

All: 0.000+/-0.000 χ^2/NDF: 16966974.1/94

- sign 0.000+/-0.000 χ^2/NDF: 8395546.0/48

reg_asym_sam_3748_avg_mean vs Slug



Right In: -67.687+/-33.650 χ^2/NDF: 15.7/20

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -18.266+/-32.458 χ^2/NDF: 30.3/25

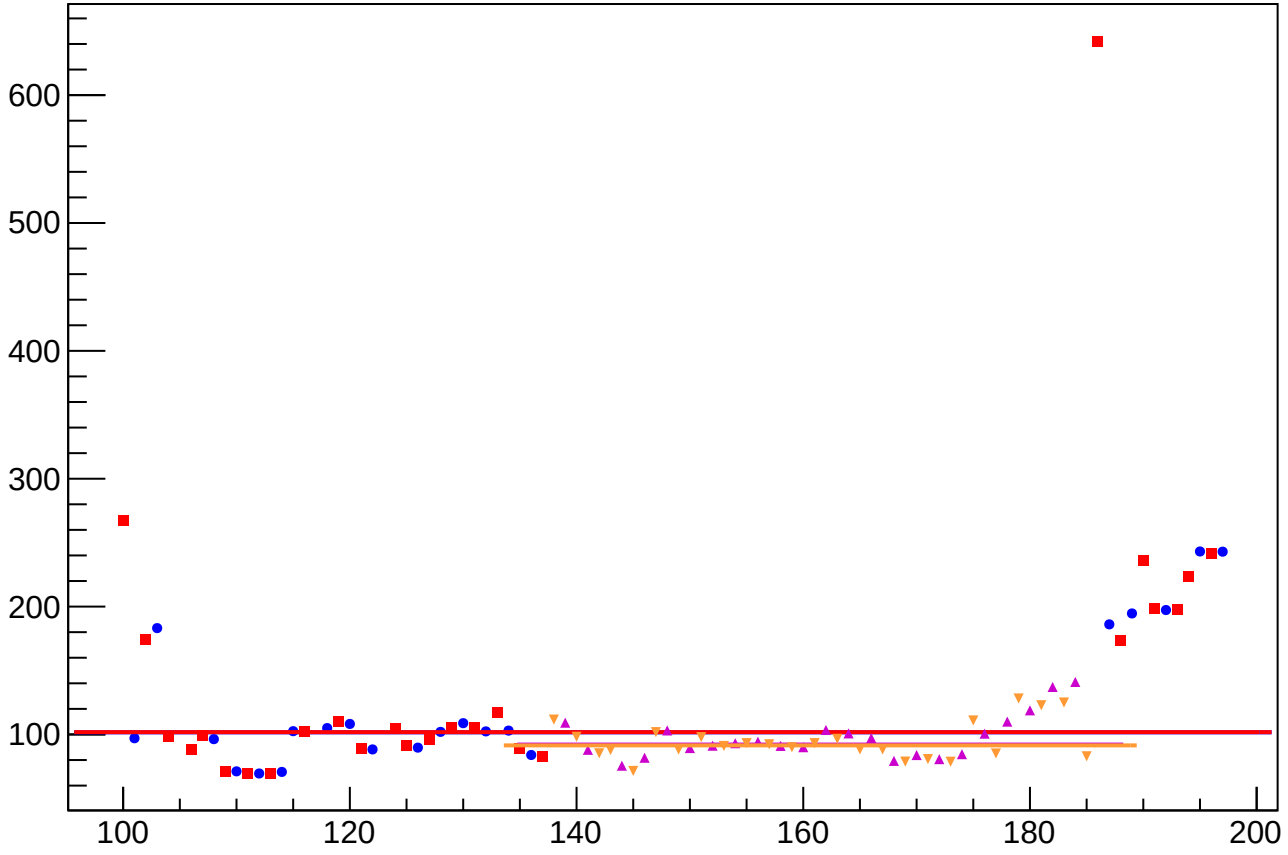
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 37.666+/-17.878 χ^2/NDF: 61.4/45

All: -9.210+/-12.726 χ^2/NDF: 140.3/94

- sign -57.355+/-18.118 χ^2/NDF: 65.0/48

reg_asym_sam_3748_avg_rms vs Slug



Right In: 101.653+/-0.024 χ^2/NDF: 2654003.1/20

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

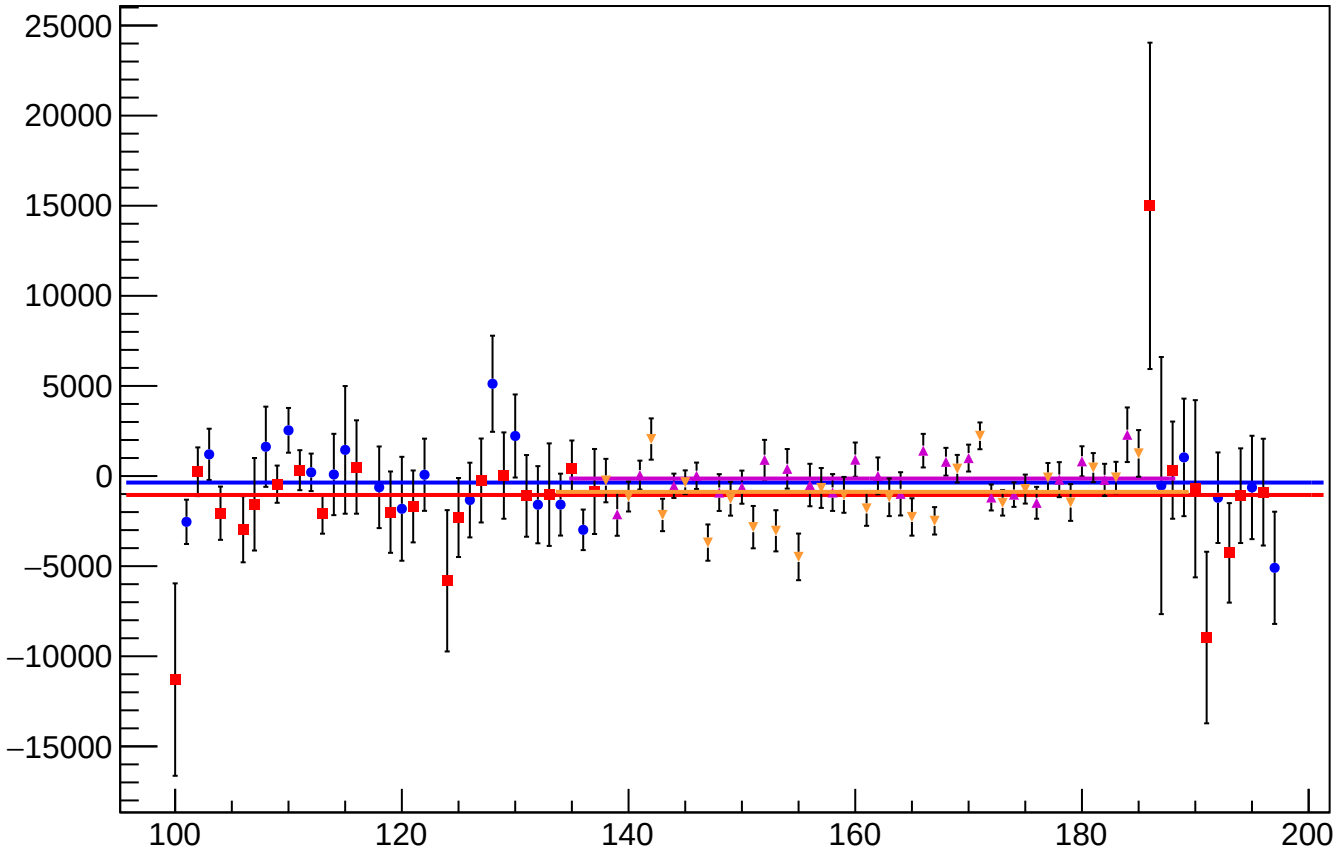
Right Out: 101.805+/-0.023 χ^2/NDF: 3641058.6/25

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 94.338+/-0.013 χ^2/NDF: 3536877.8/45

All: 94.726+/-0.009 χ^2/NDF: 8002511.0/94

- sign 95.124+/-0.013 χ^2/NDF: 4463725.5/48



Right In: -361.166+/-402.353 χ^2/NDF: 26.1/20

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1050.319+/-382.096 χ^2/NDF: 20.2/25

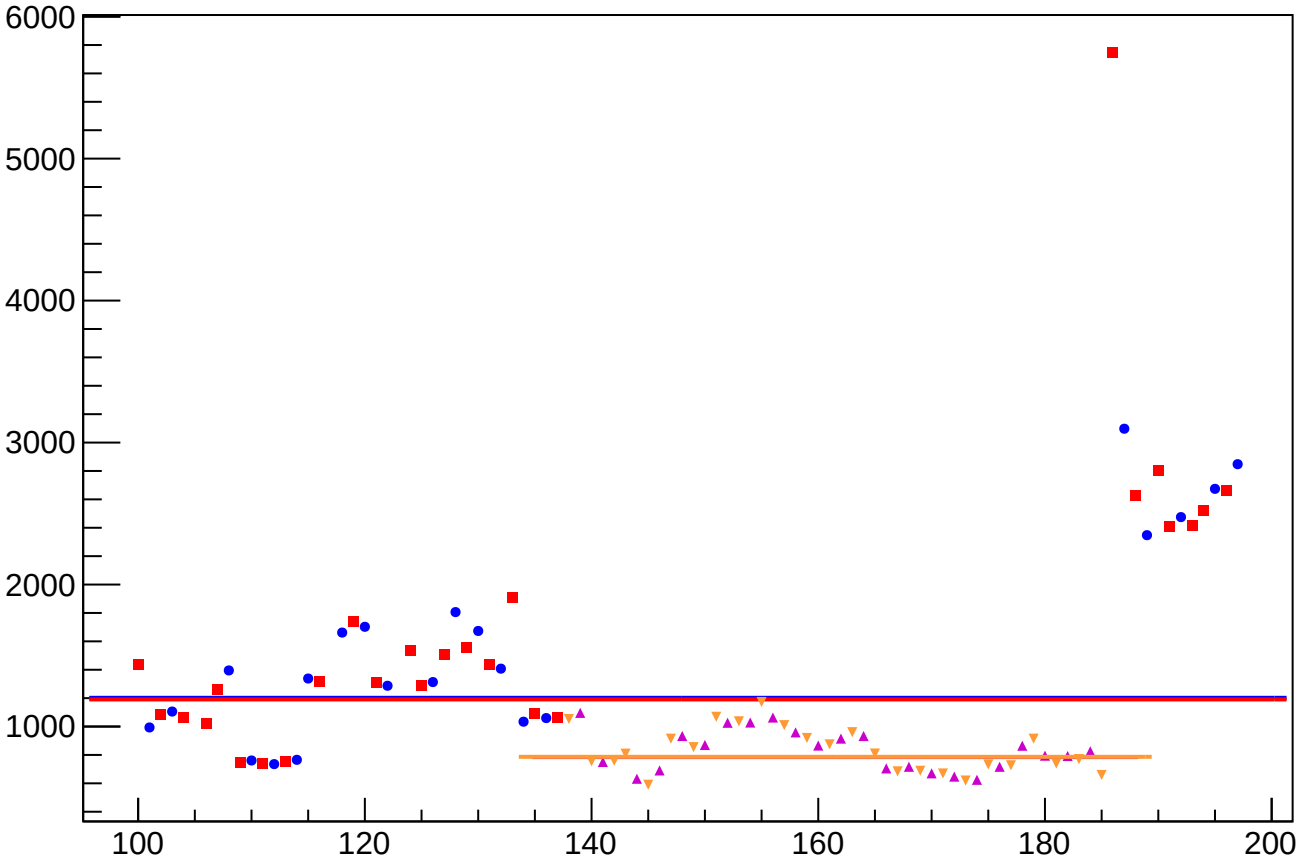
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -790.446+/-165.966 χ^2/NDF: 95.2/45

All: -554.748+/-117.948 χ^2/NDF: 148.3/94

- sign -314.230+/-167.654 χ^2/NDF: 49.0/48

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1202.425+/-0.285 χ^2/NDF: 3209808.3/20

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1190.821+/-0.270 χ^2/NDF: 4276607.1/25

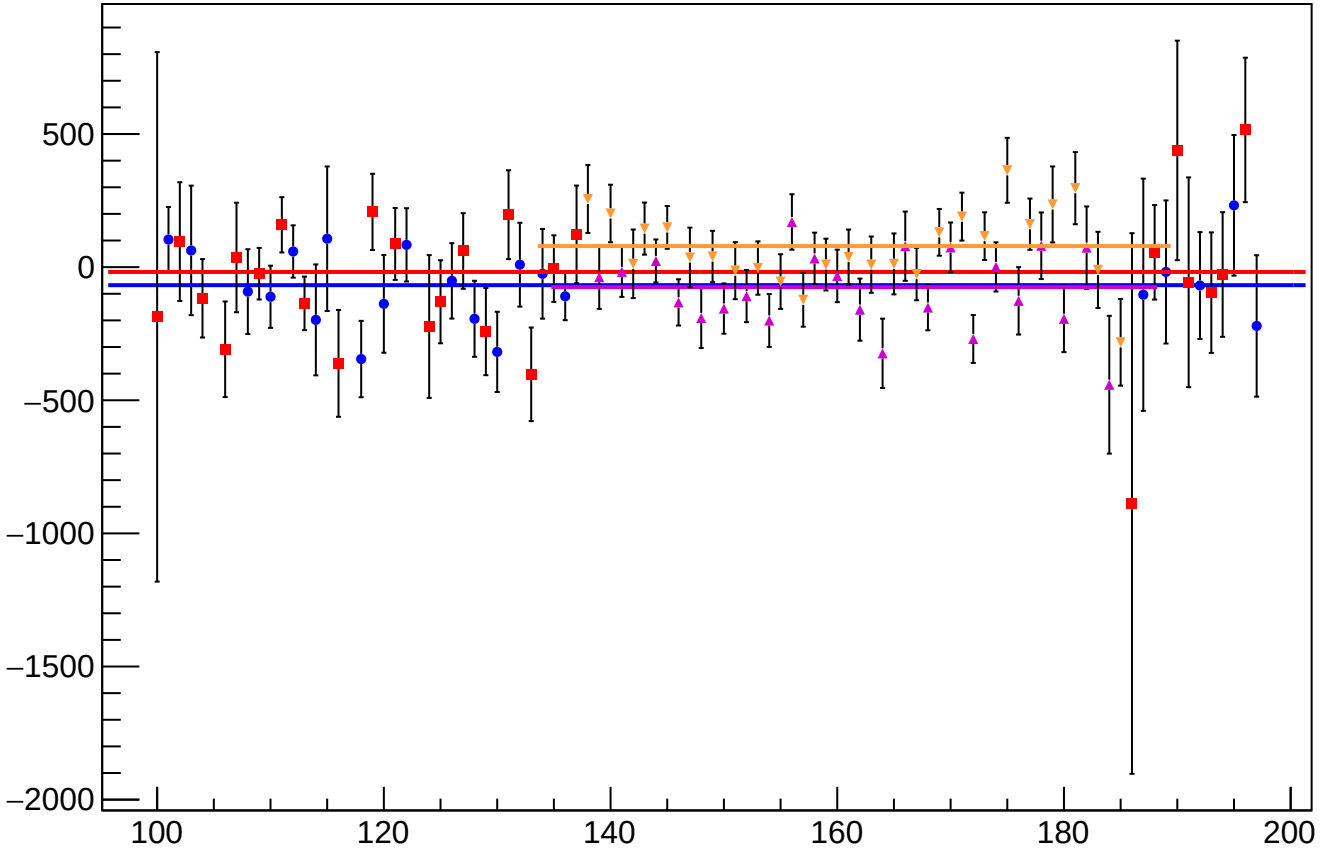
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 857.483+/-0.117 χ^2/NDF: 6192065.8/45

All: 860.211+/-0.083 χ^2/NDF: 13356740.5/94

- sign 862.995+/-0.119 χ^2/NDF: 7163582.7/48

cor_asym_sam_3748_avg_mean vs Slug



Right In: -67.697+/-33.650 χ^2/NDF: 15.7/20

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -18.036+/-32.461 χ^2/NDF: 30.2/25

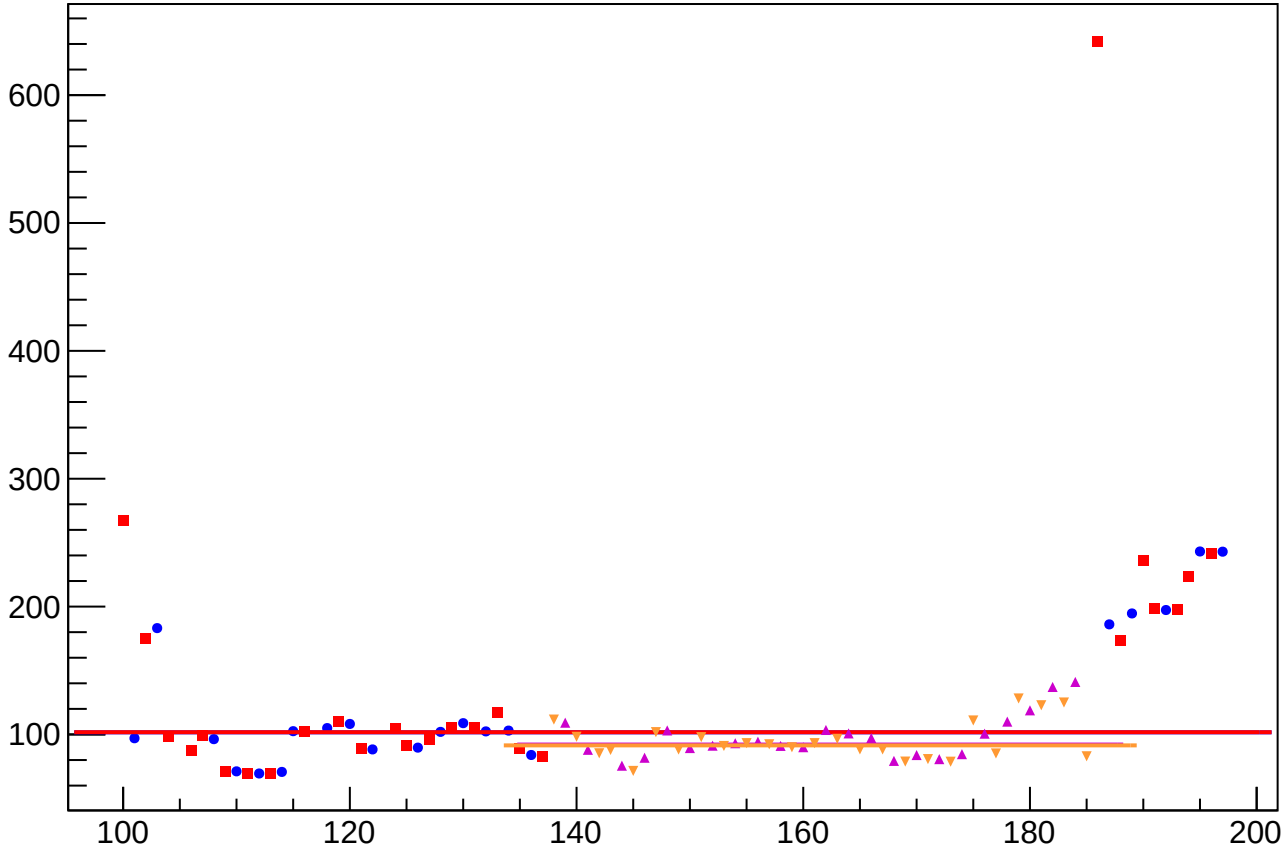
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.669+/-17.878 χ^2/NDF: 61.4/45

All: -9.173+/-12.726 χ^2/NDF: 140.2/94

- sign -57.287+/-18.119 χ^2/NDF: 65.0/48

cor_asym_sam_3748_avg_rms vs Slug



Right In: 101.653+/-0.024 χ^2/NDF: 2654006.2/20

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

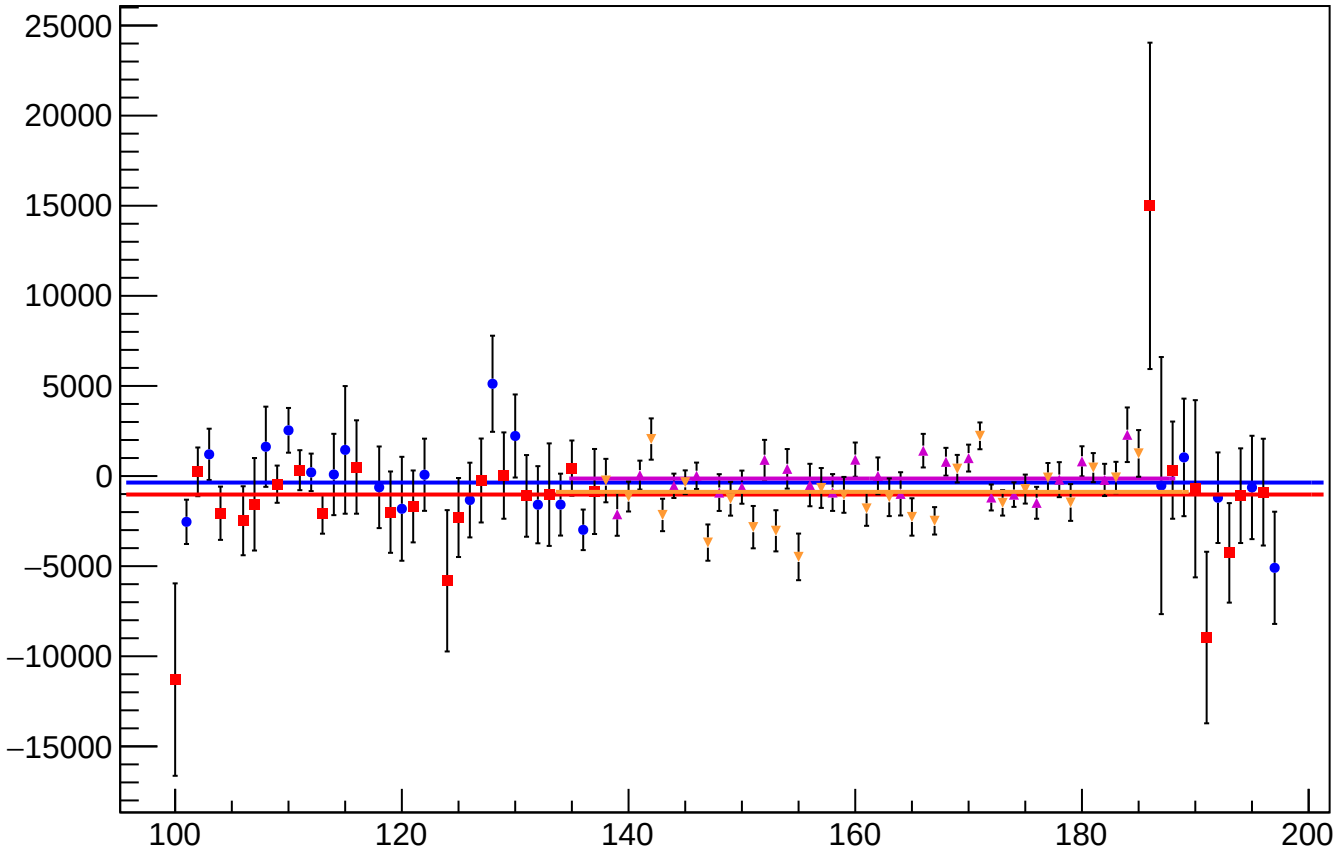
Right Out: 101.765+/-0.023 χ^2/NDF: 3643478.9/25

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 94.338+/-0.013 χ^2/NDF: 3536881.0/45

All: 94.720+/-0.009 χ^2/NDF: 8003840.4/94

- sign 95.111+/-0.013 χ^2/NDF: 4465114.1/48



Right In: -361.187+/-402.356 χ^2/NDF: 26.1/20

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1025.382+/-382.796 χ^2/NDF: 19.7/25

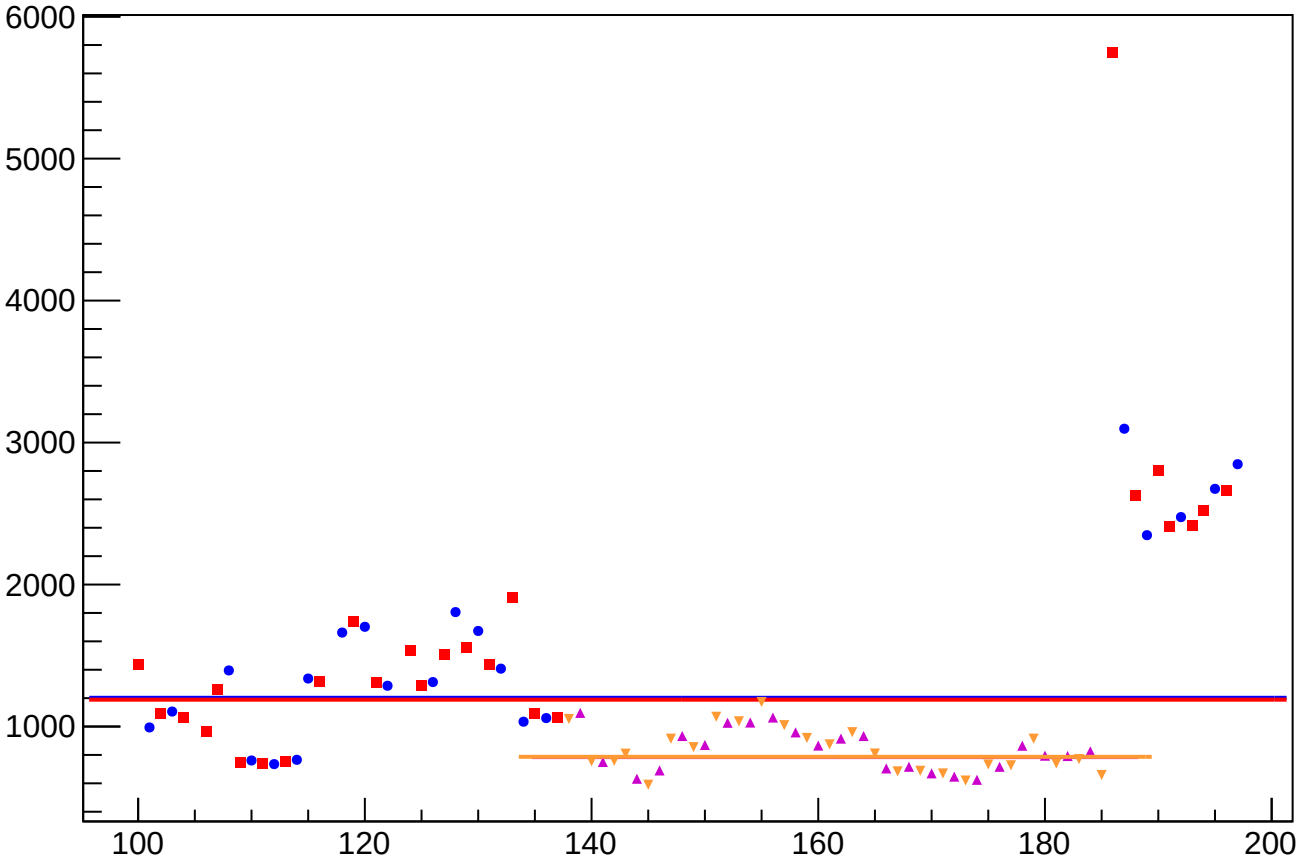
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

\+ sign -790.443+/-165.966 χ^2/NDF: 95.2/45

All: -552.206+/-117.969 χ^2/NDF: 147.6/94

\- sign -308.927+/-167.713 χ^2/NDF: 48.2/48

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1202.435+/-0.285 χ^2/NDF: 3209788.0/20

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1189.213+/-0.271 χ^2/NDF: 4287165.8/25

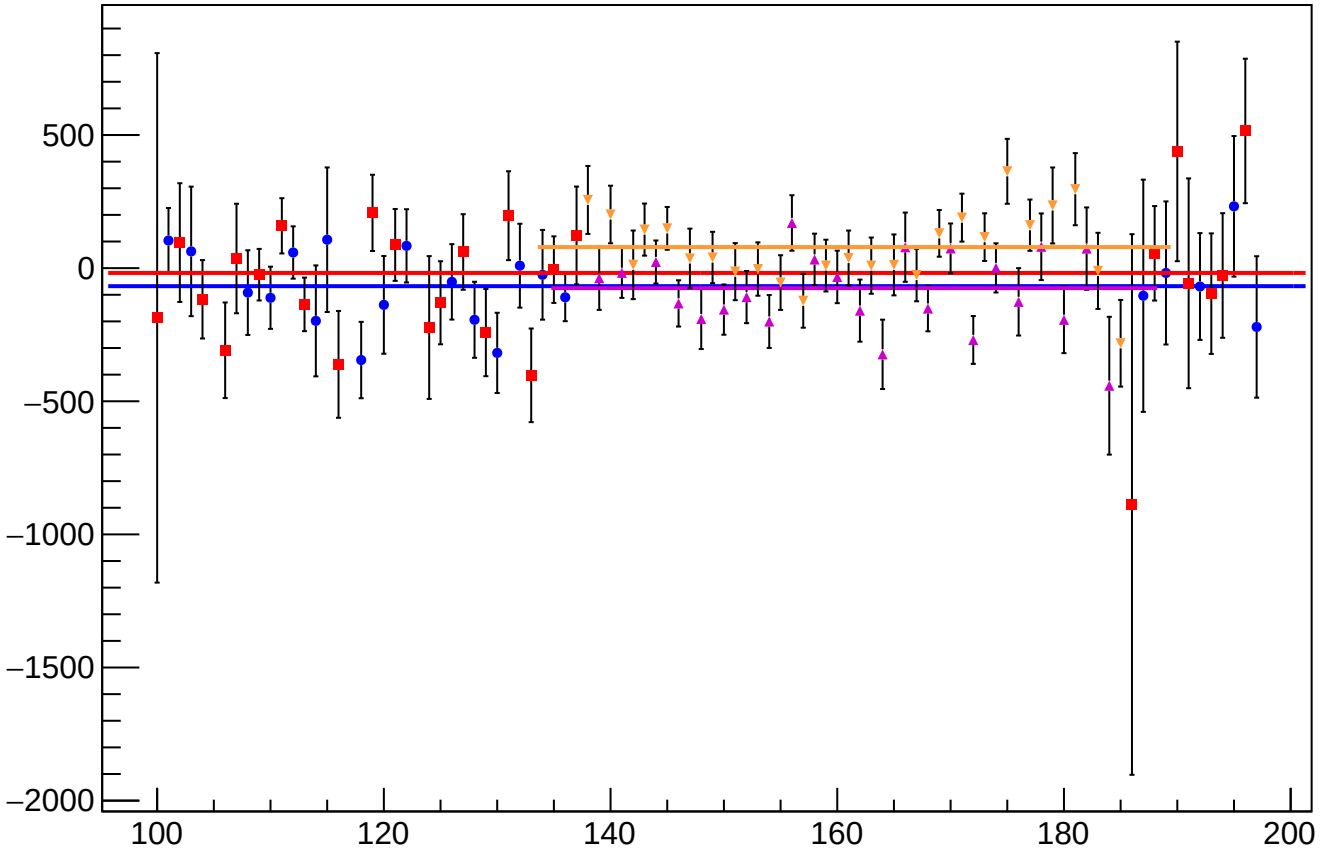
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 857.484+/-0.117 χ^2/NDF: 6192107.9/45

All: 859.944+/-0.083 χ^2/NDF: 13347376.3/94

- sign 862.456+/-0.119 χ^2/NDF: 7154380.2/48

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -67.697+/-33.650 χ^2/NDF: 15.7/20

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -18.036+/-32.461 χ^2/NDF: 30.2/25

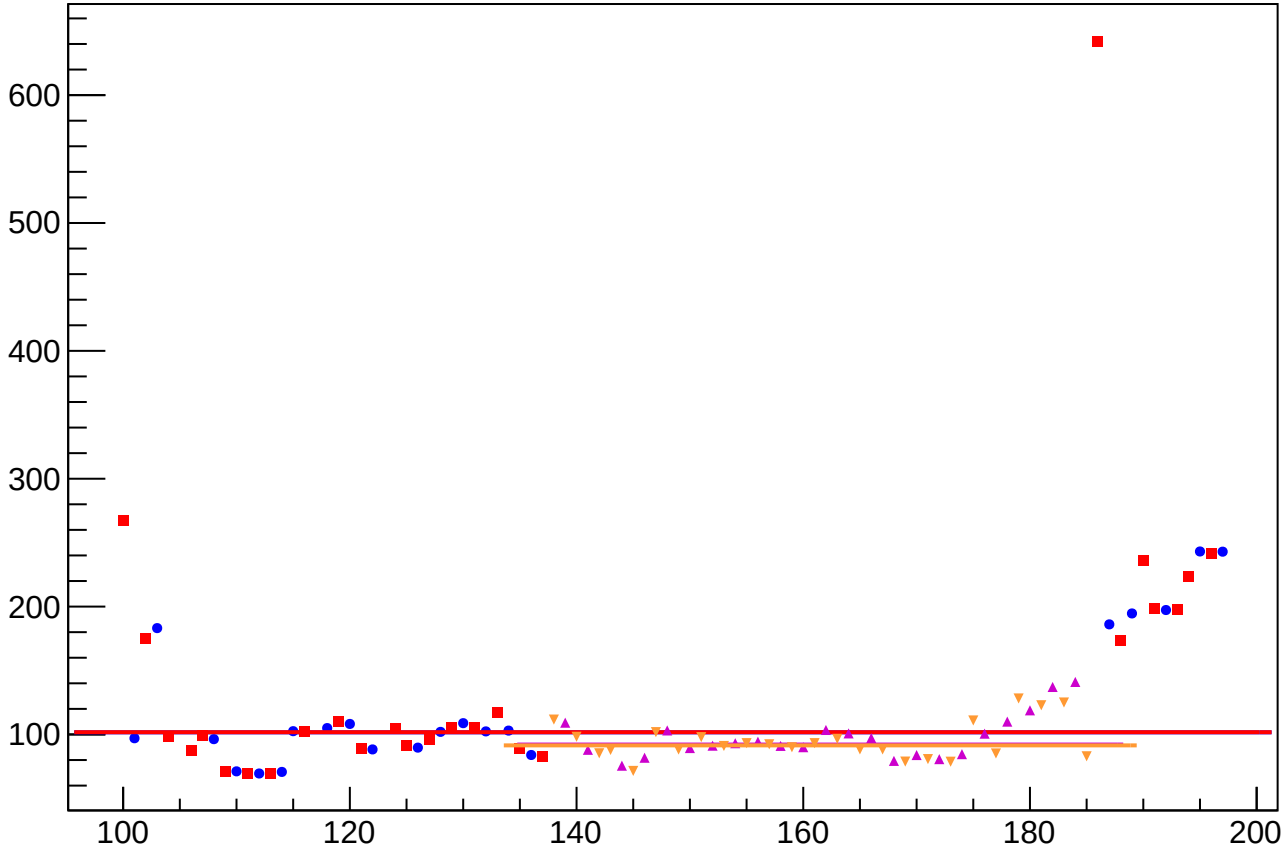
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.669+/-17.878 χ^2/NDF: 61.4/45

All: -9.173+/-12.726 χ^2/NDF: 140.2/94

- sign -57.287+/-18.119 χ^2/NDF: 65.0/48

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 101.653+/-0.024 χ^2/NDF: 2654006.2/20

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

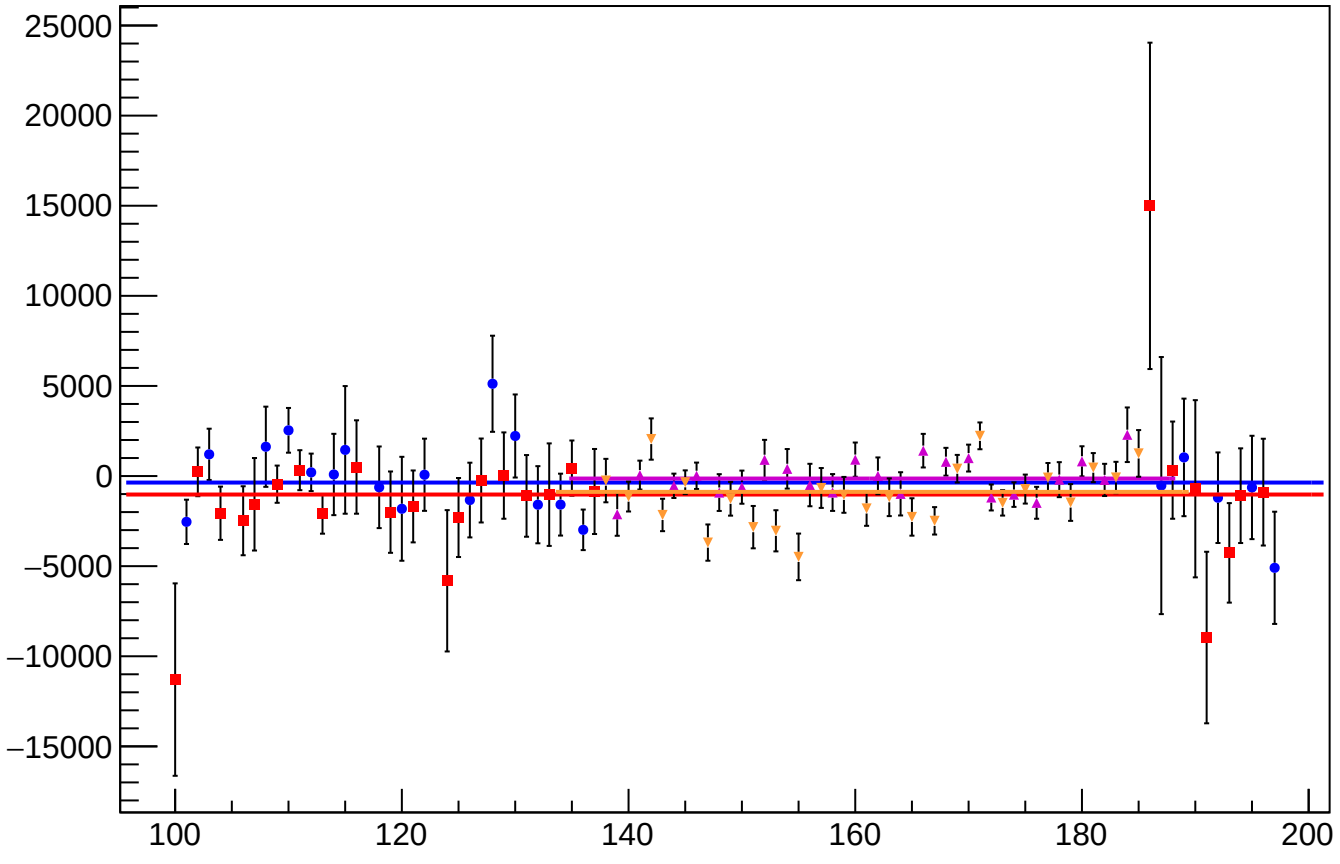
Right Out: 101.765+/-0.023 χ^2/NDF: 3643478.9/25

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 94.338+/-0.013 χ^2/NDF: 3536881.0/45

All: 94.720+/-0.009 χ^2/NDF: 8003840.4/94

- sign 95.111+/-0.013 χ^2/NDF: 4465114.1/48



Right In: -361.187+/-402.356 χ^2/NDF: 26.1/20

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

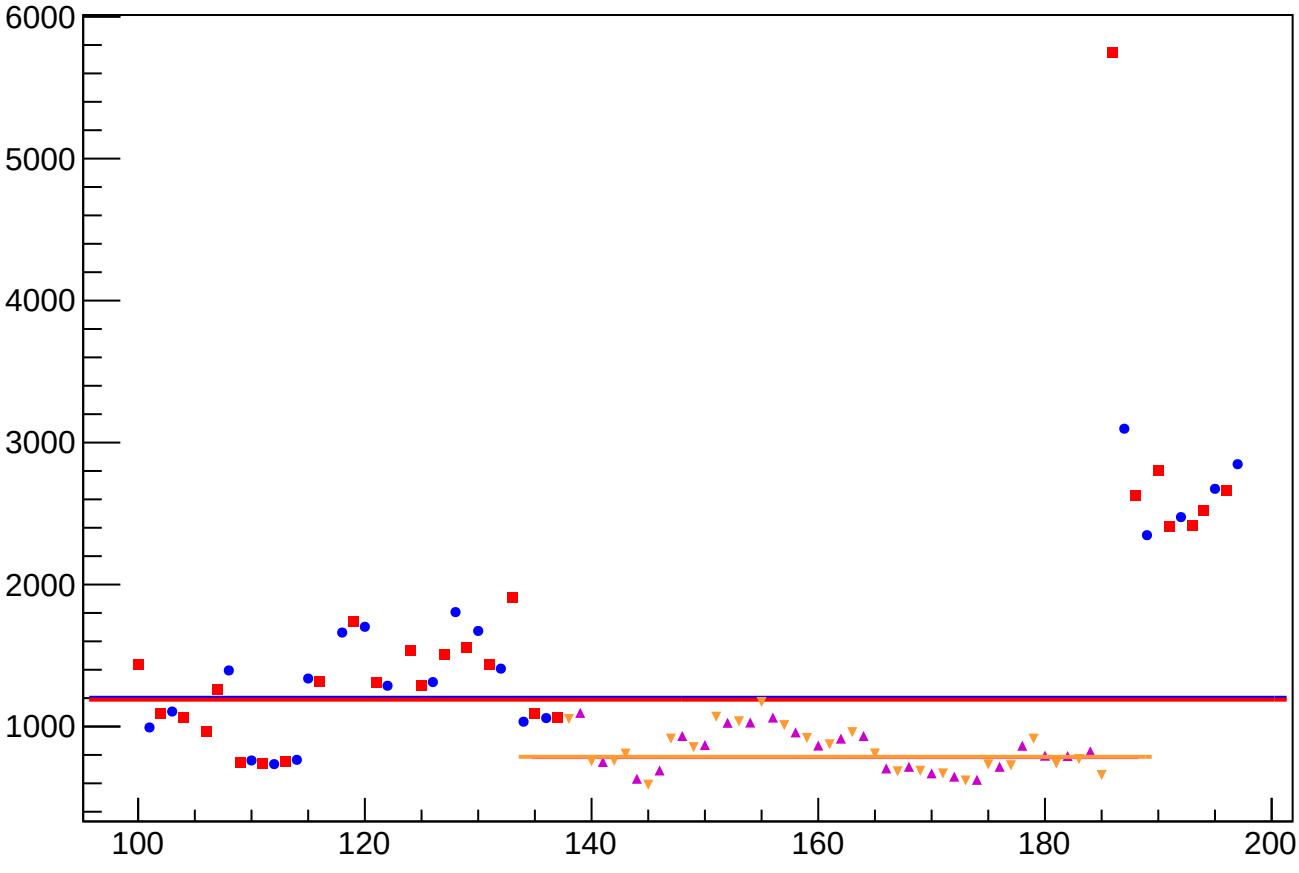
Right Out: -1025.382+/-382.796 χ^2/NDF: 19.7/25

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -790.443+/-165.966 χ^2/NDF: 95.2/45

All: -552.206+/-117.969 χ^2/NDF: 147.6/94

- sign -308.927+/-167.713 χ^2/NDF: 48.2/48



Right In: 1202.435+/-0.285 χ^2/NDF: 3209788.0/20

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1189.213+/-0.271 χ^2/NDF: 4287165.8/25

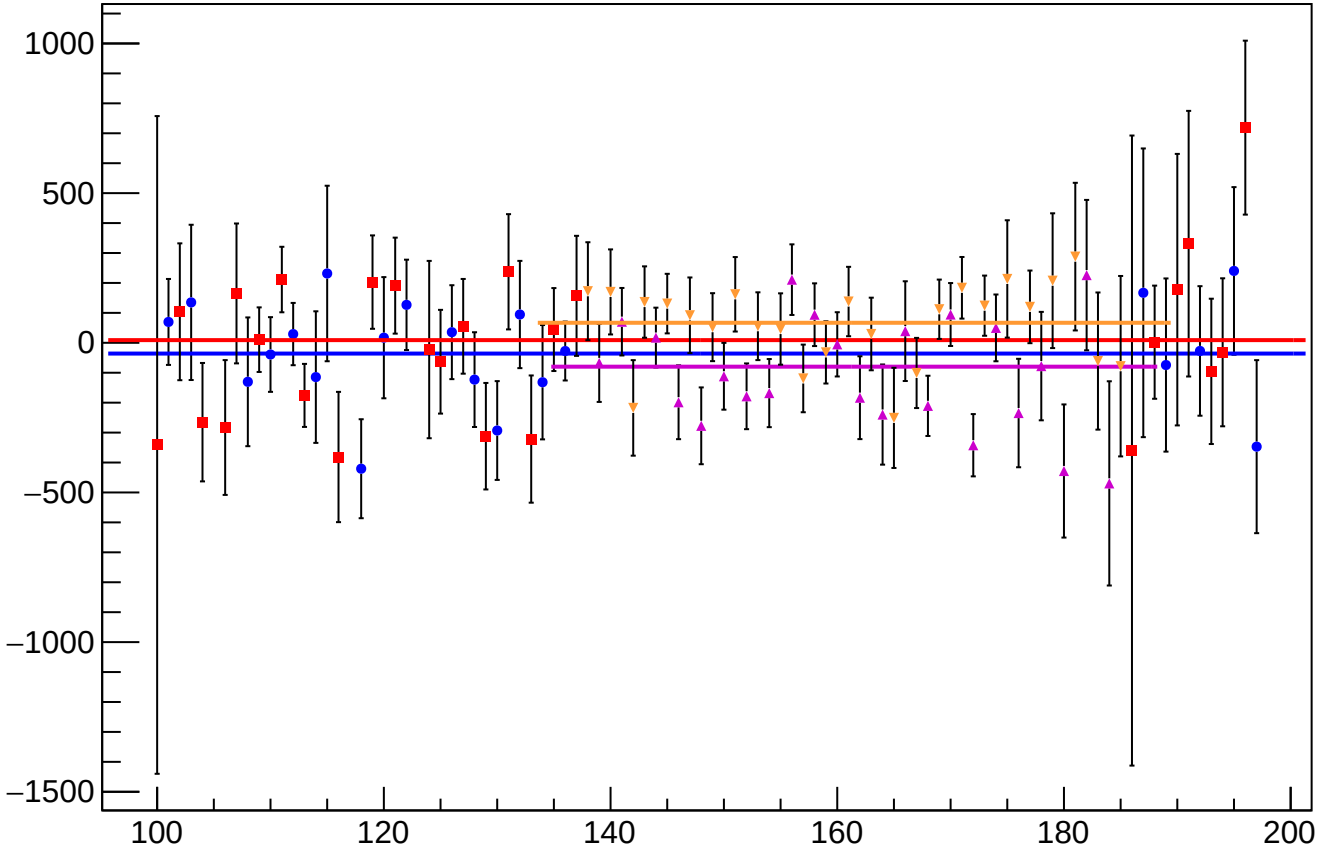
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 857.484+/-0.117 χ^2/NDF: 6192107.9/45

All: 859.944+/-0.083 χ^2/NDF: 13347376.3/94

- sign 862.456+/-0.119 χ^2/NDF: 7154380.2/48

dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.978+/-37.265 χ^2/NDF: 15.2/20

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 8.938+/-36.024 χ^2/NDF: 31.8/25

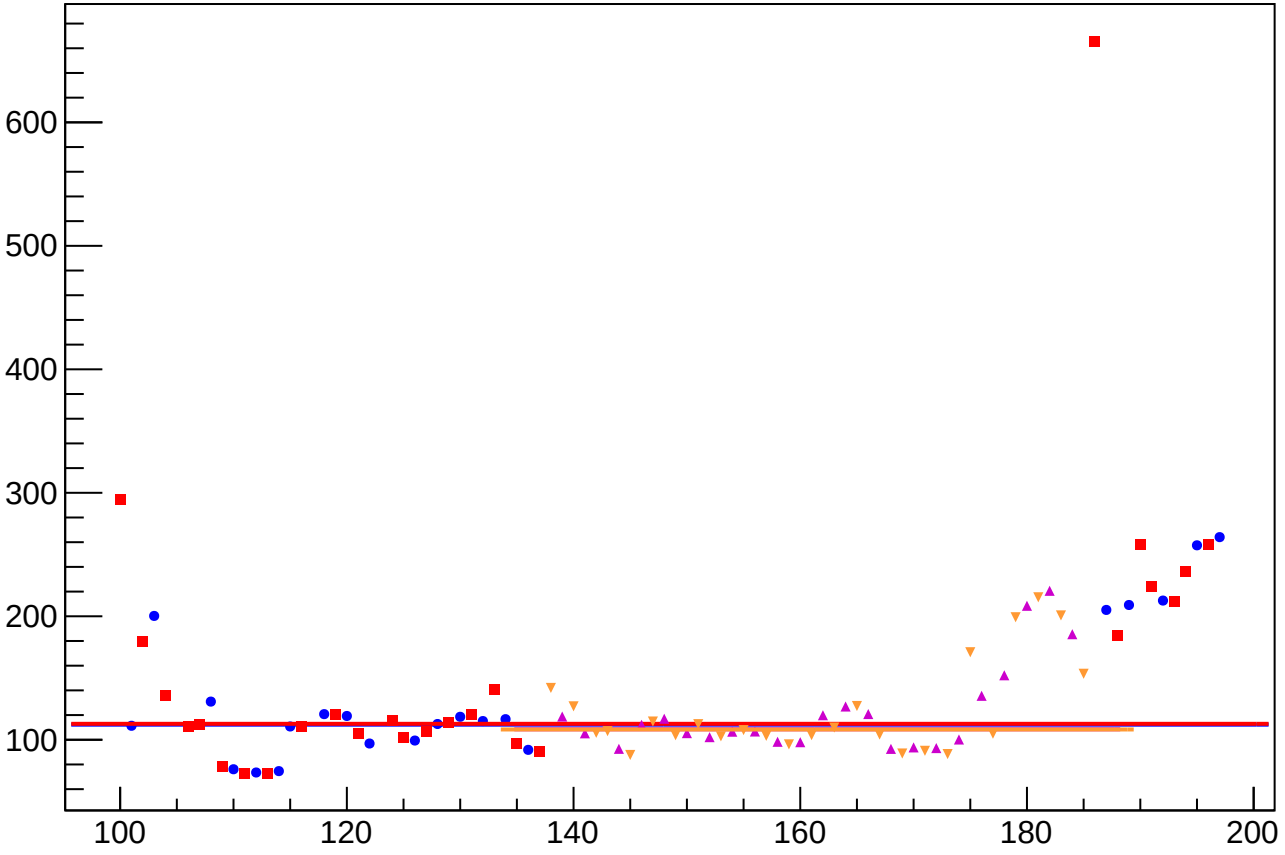
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 33.941+/-21.092 χ^2/NDF: 40.0/45

All: -7.201+/-14.966 χ^2/NDF: 120.4/94

- sign -48.927+/-21.241 χ^2/NDF: 72.7/48

dit_asym_sam_3748_avg_rms vs Slug



Right In: 112.242+/-0.026 χ^2/NDF: 2701728.6/20

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

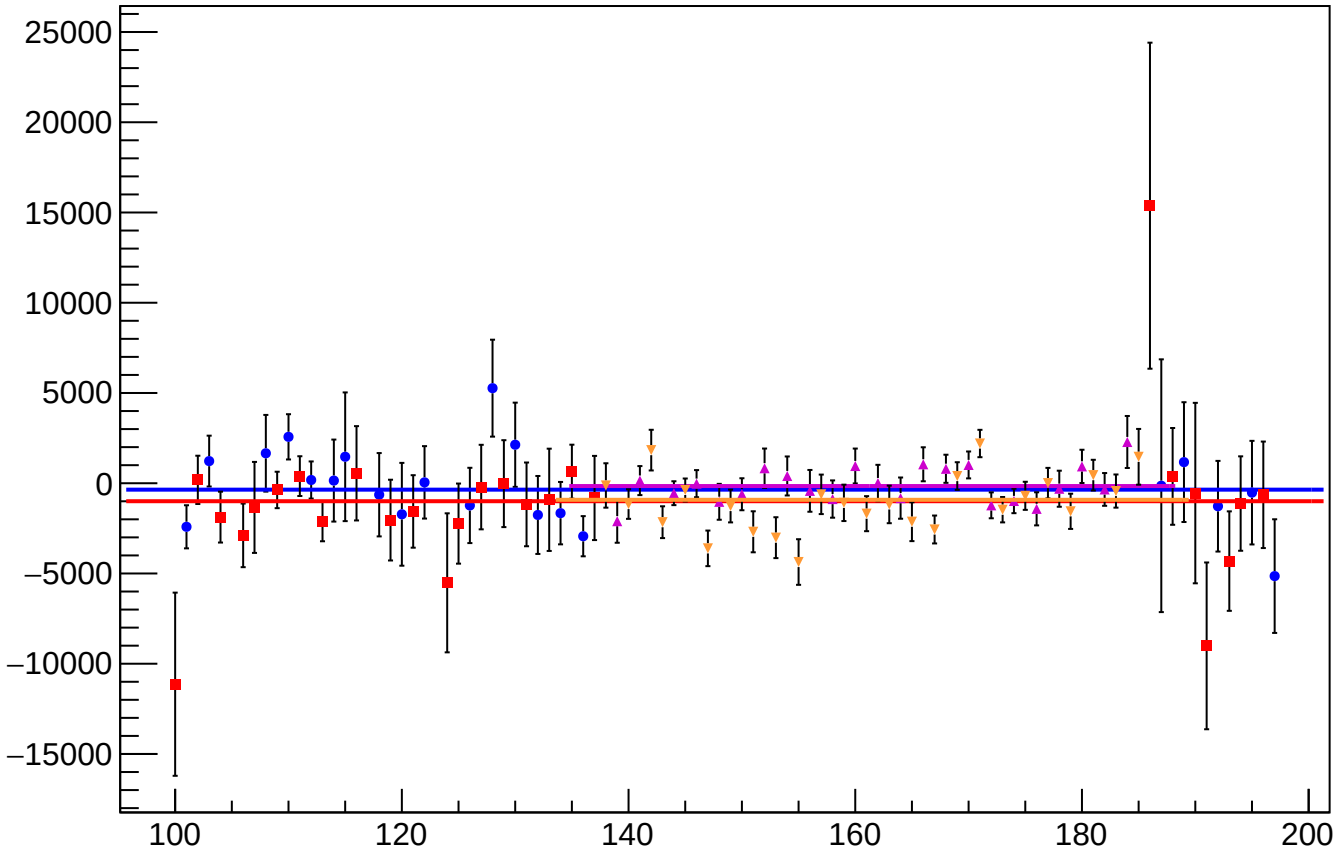
Right Out: 112.915+/-0.025 χ^2/NDF: 3620152.3/25

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 109.583+/-0.015 χ^2/NDF: 4491306.7/45

All: 109.805+/-0.011 χ^2/NDF: 9510969.3/94

- sign 110.030+/-0.015 χ^2/NDF: 5019217.0/48



Right In: -355.872+/-400.285 χ^2/NDF: 26.2/20

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -996.447+/-377.955 χ^2/NDF: 21.2/25

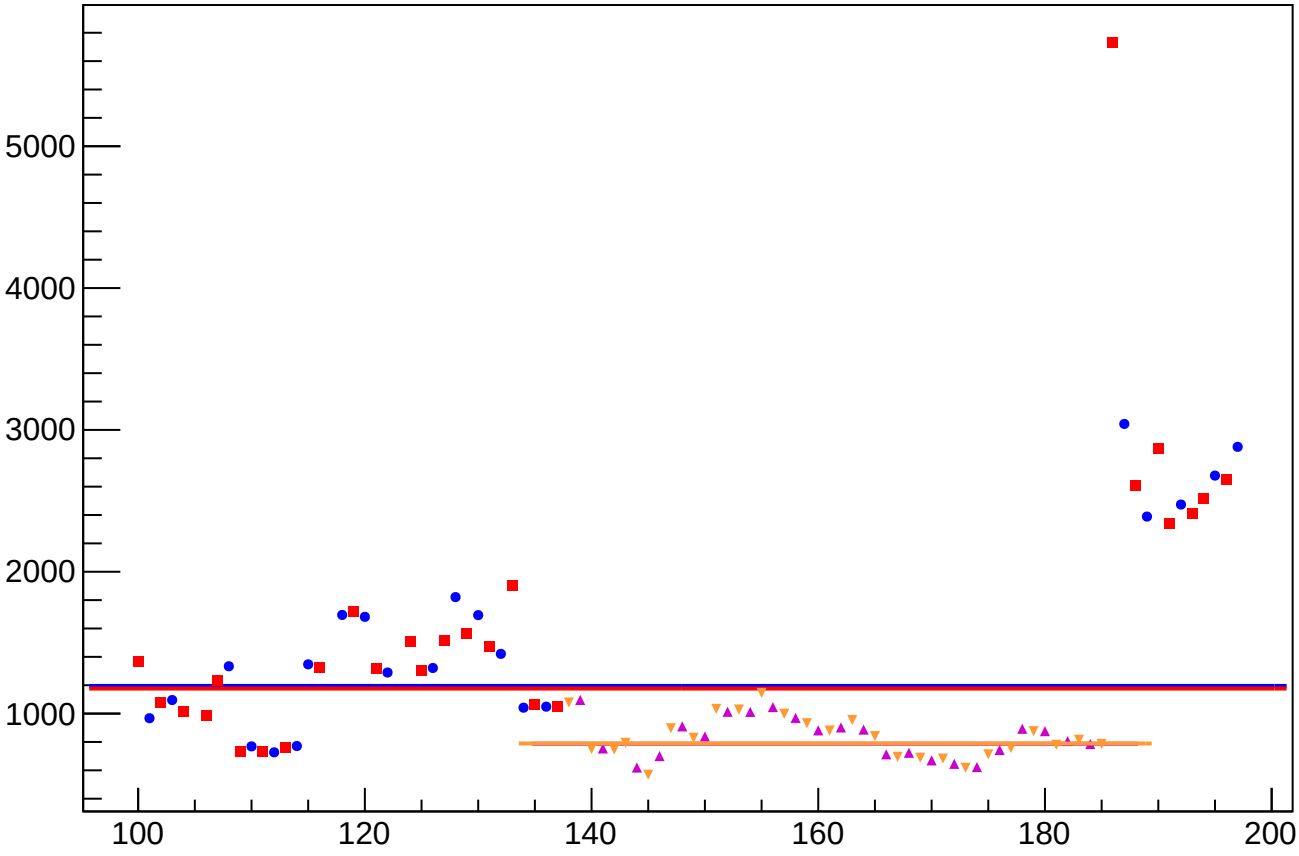
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

\+ sign -821.904+/-166.026 χ^2/NDF: 91.9/45

All: -574.118+/-117.982 χ^2/NDF: 144.6/94

\- sign -321.341+/-167.691 χ^2/NDF: 48.2/48

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1195.015+/-0.283 χ^2/NDF: 3270607.3/20

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1176.641+/-0.267 χ^2/NDF: 4347932.0/25

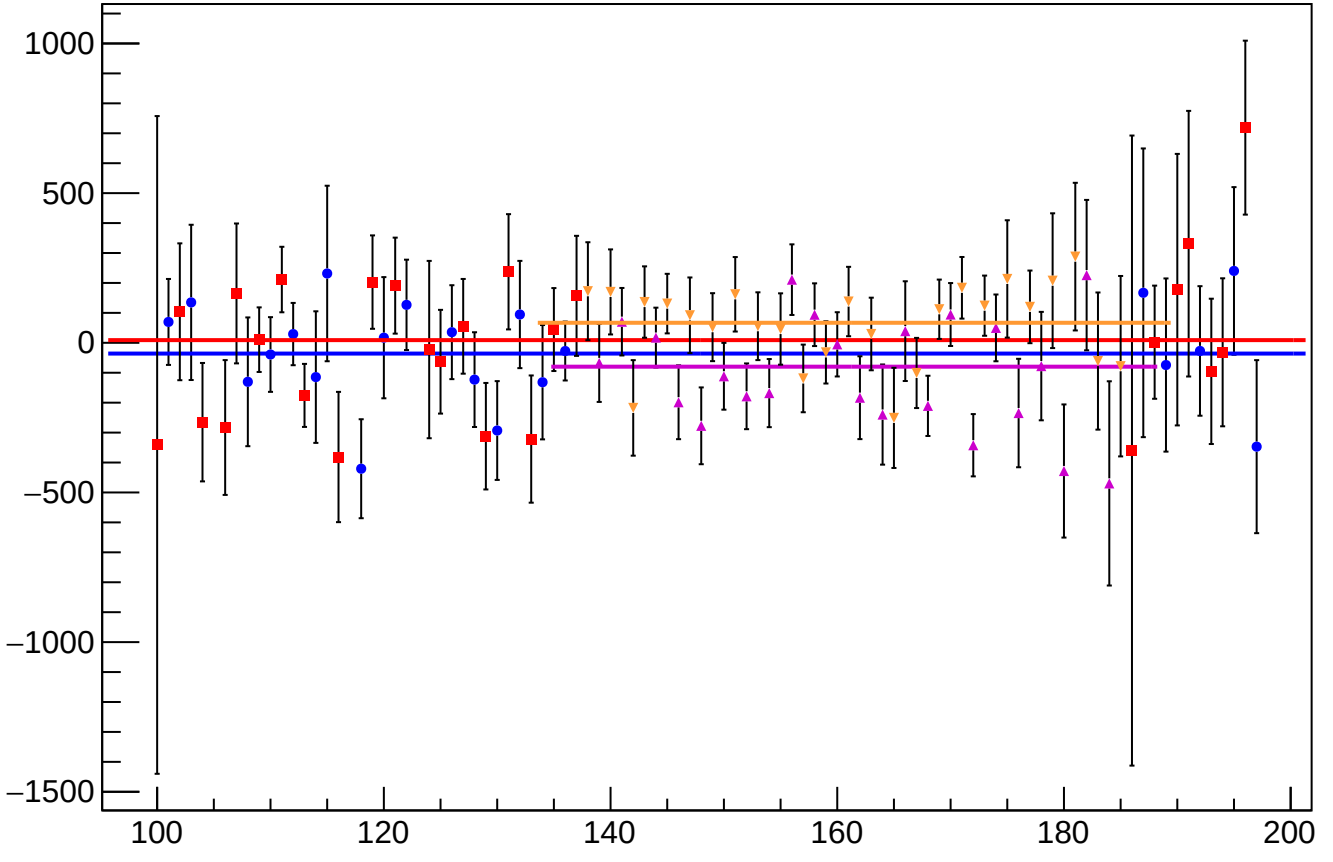
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

\+ sign 859.055+/-0.117 χ^2/NDF: 6148987.6/45

All: 861.510+/-0.083 χ^2/NDF: 13242948.4/94

\- sign 864.014+/-0.119 χ^2/NDF: 7093077.5/48

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.977+/-37.265 χ^2/NDF: 15.2/20

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 8.940+/-36.024 χ^2/NDF: 31.8/25

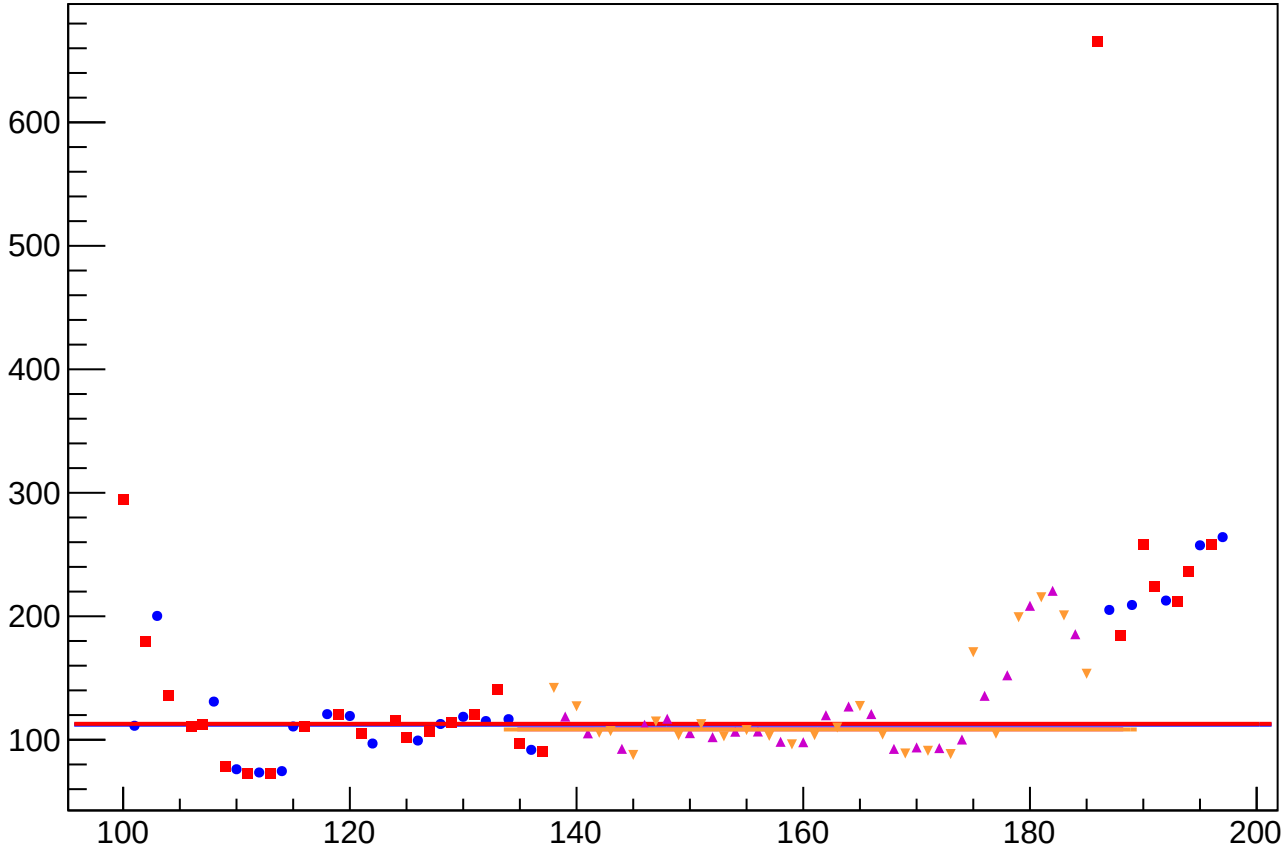
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 33.942+/-21.092 χ^2/NDF: 40.0/45

All: -7.200+/-14.967 χ^2/NDF: 120.4/94

- sign -48.926+/-21.241 χ^2/NDF: 72.7/48

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 112.242+/-0.026 χ^2/NDF: 2701720.8/20

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

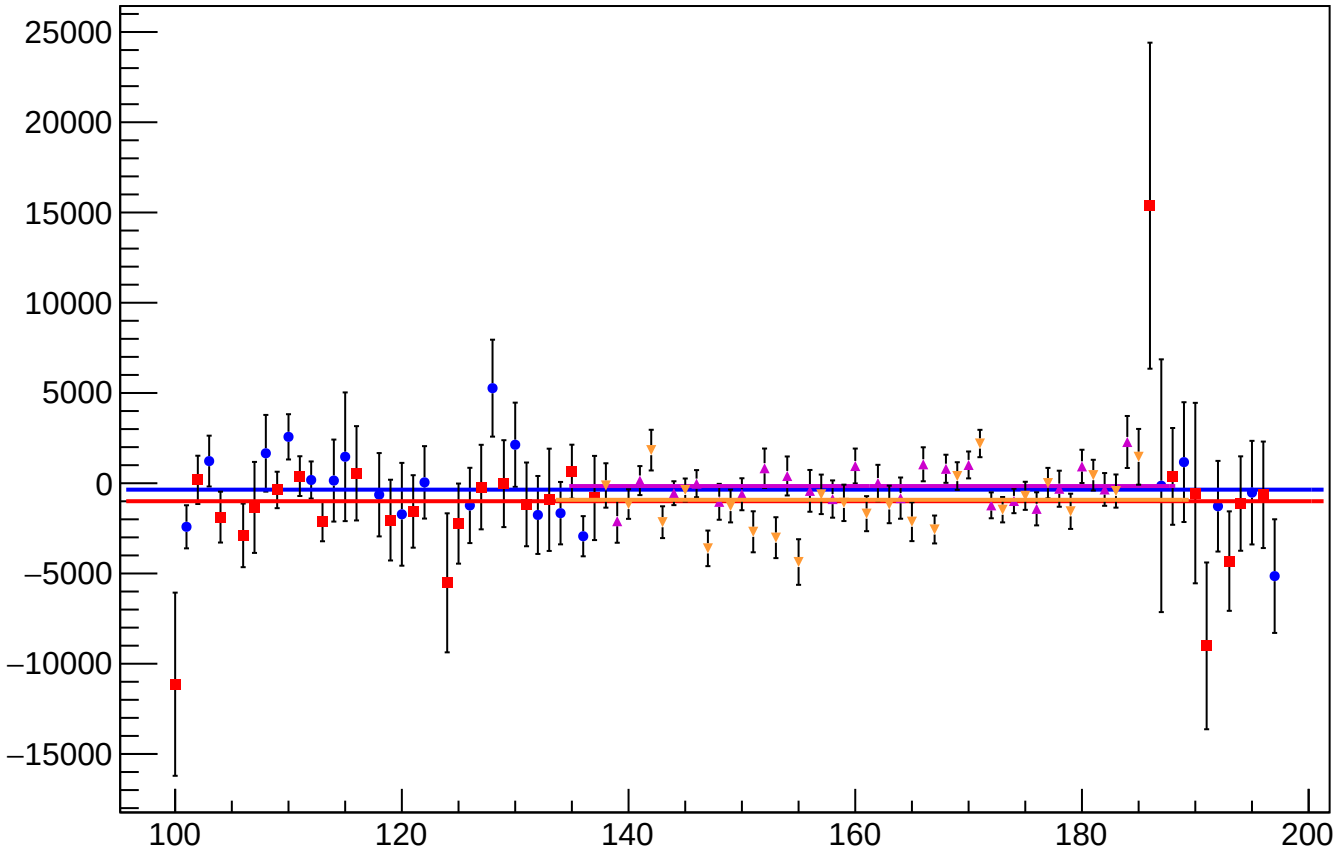
Right Out: 112.916+/-0.025 χ^2/NDF: 3620155.2/25

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 109.584+/-0.015 χ^2/NDF: 4491292.3/45

All: 109.805+/-0.011 χ^2/NDF: 9510937.4/94

- sign 110.030+/-0.015 χ^2/NDF: 5019199.5/48



Right In: -355.871+/-400.285 χ^2/NDF: 26.2/20

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

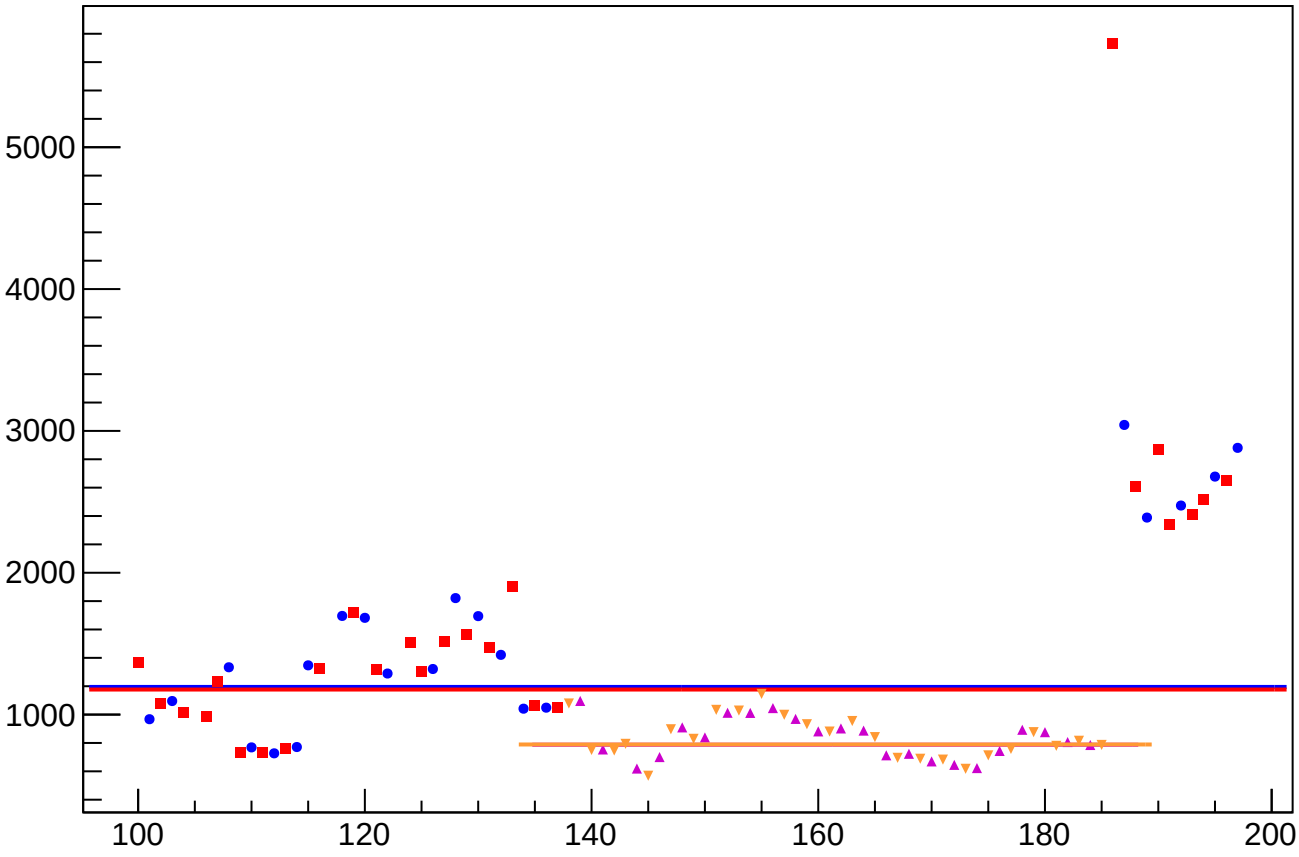
Right Out: -996.445+/-377.954 χ^2/NDF: 21.2/25

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

\+ sign -821.902+/-166.026 χ^2/NDF: 91.9/45

All: -574.117+/-117.982 χ^2/NDF: 144.6/94

\- sign -321.340+/-167.690 χ^2/NDF: 48.2/48



Right In: 1195.013+/-0.283 χ^2/NDF: 3270614.7/20

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1176.639+/-0.267 χ^2/NDF: 4347934.6/25

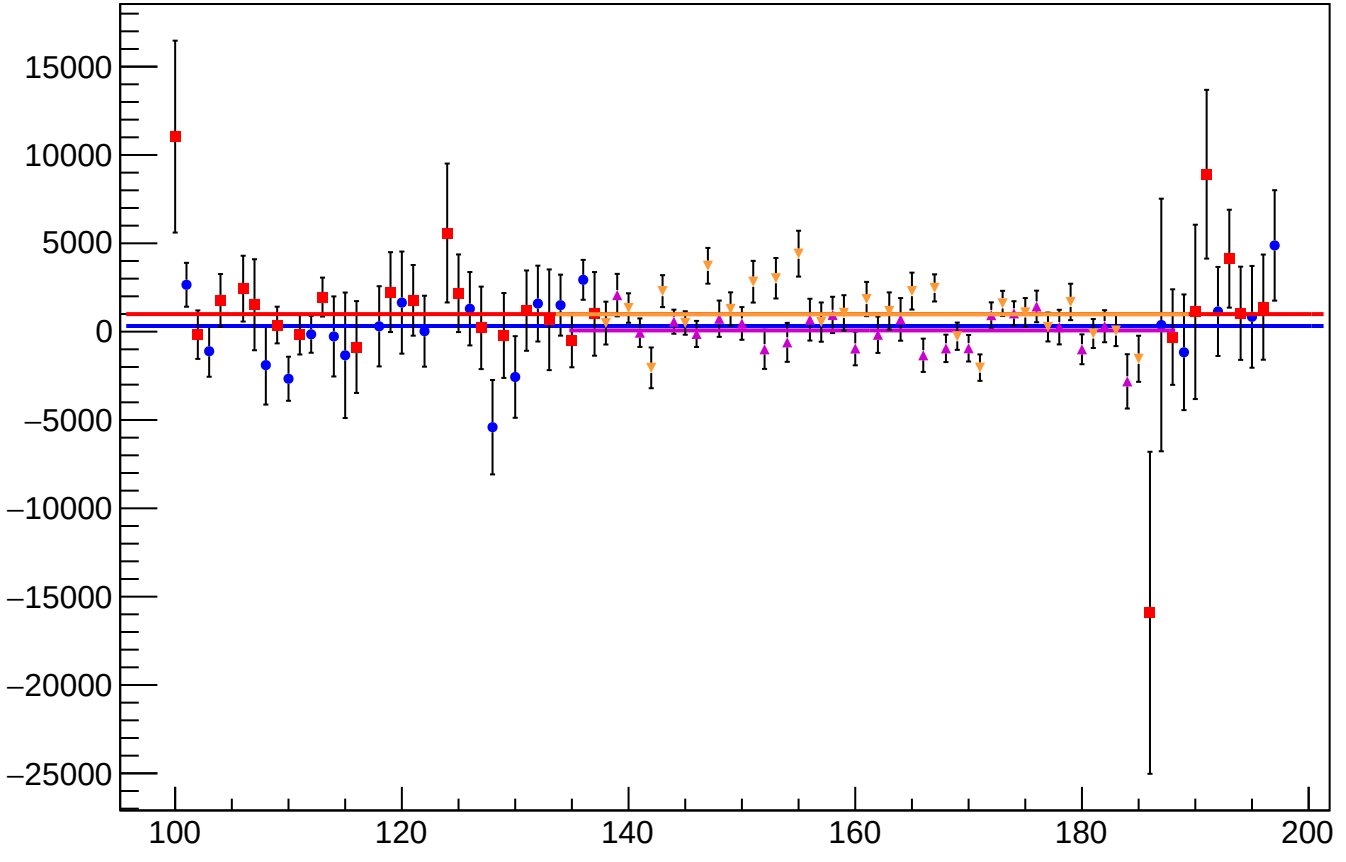
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 859.053+/-0.117 χ^2/NDF: 6148997.0/45

All: 861.508+/-0.083 χ^2/NDF: 13242961.7/94

- sign 864.013+/-0.119 χ^2/NDF: 7093081.3/48

asym_sam_3748_avg_mean vs Slug



Right In: 320.271+/-404.466 χ^2/NDF: 27.0/20

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 993.565+/-384.198 χ^2/NDF: 18.9/25

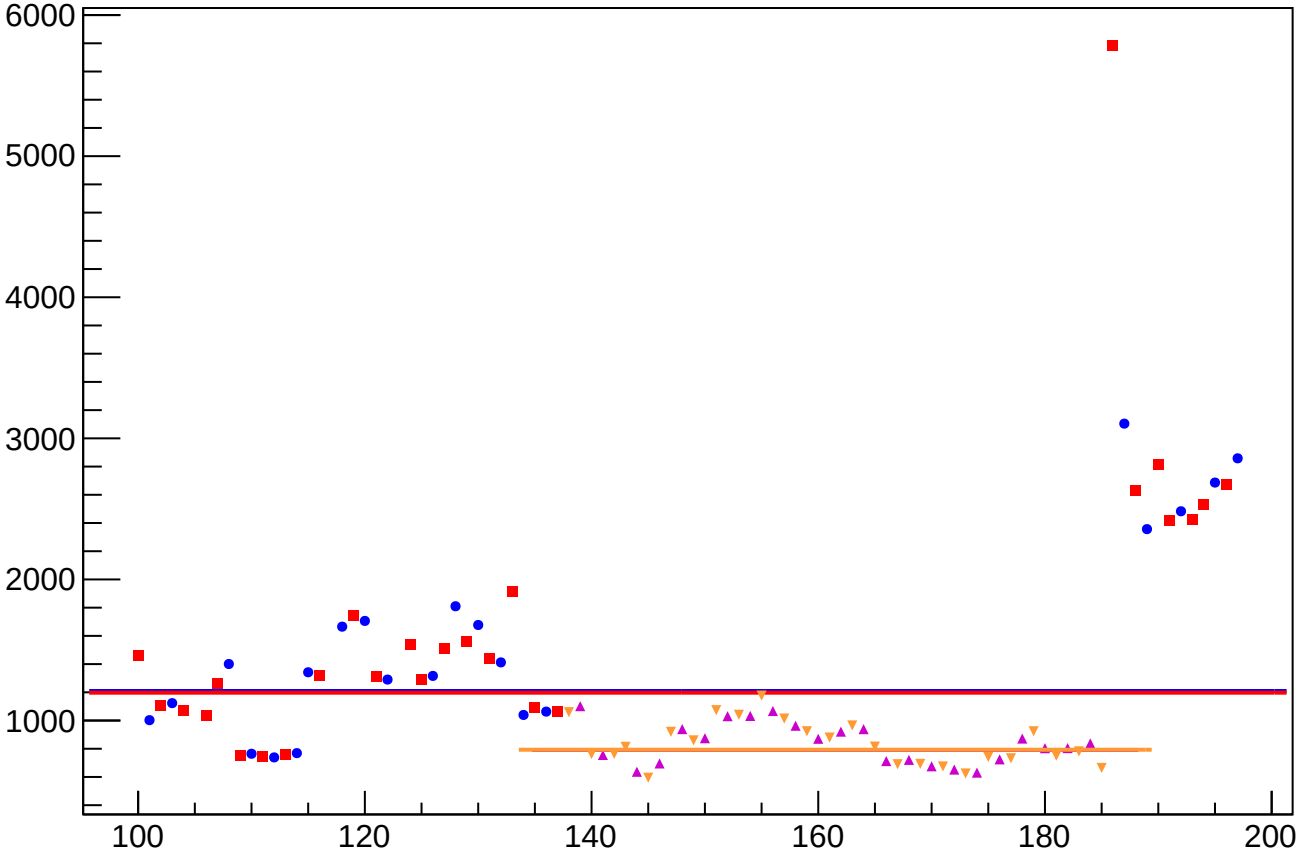
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 871.974+/-167.183 χ^2/NDF: 92.9/45

All: 563.433+/-118.816 χ^2/NDF: 147.8/94

- sign 248.547+/-168.893 χ^2/NDF: 48.0/48

asym_sam_3748_avg_rms vs Slug



Right In: 1209.182+/-0.286 χ^2/NDF: 3197602.7/20

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

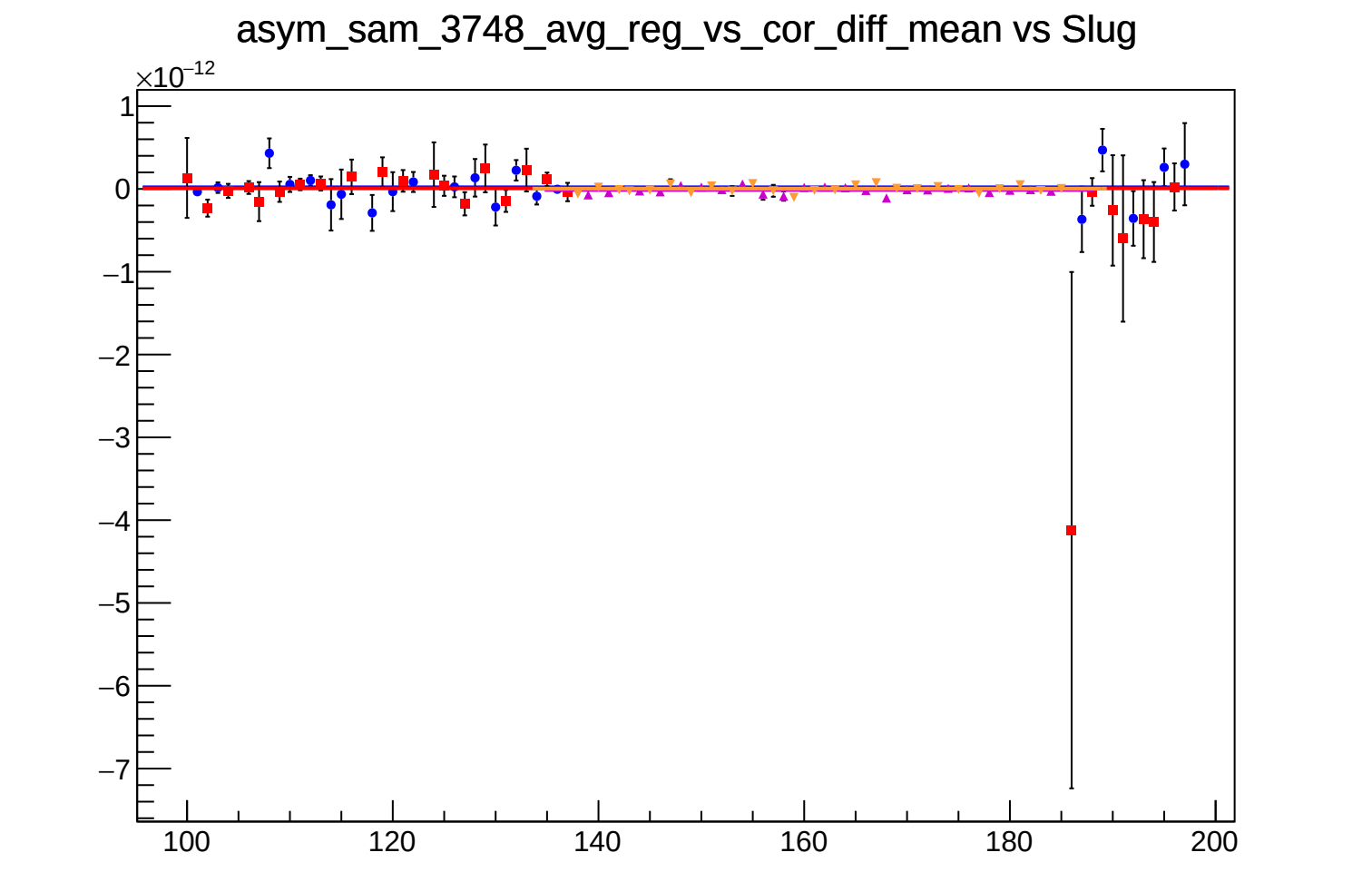
Right Out: 1197.450+/-0.272 χ^2/NDF: 4265226.1/25

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 864.148+/-0.118 χ^2/NDF: 6146900.3/45

All: 866.881+/-0.084 χ^2/NDF: 13266760.2/94

- sign 869.670+/-0.119 χ^2/NDF: 7118779.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

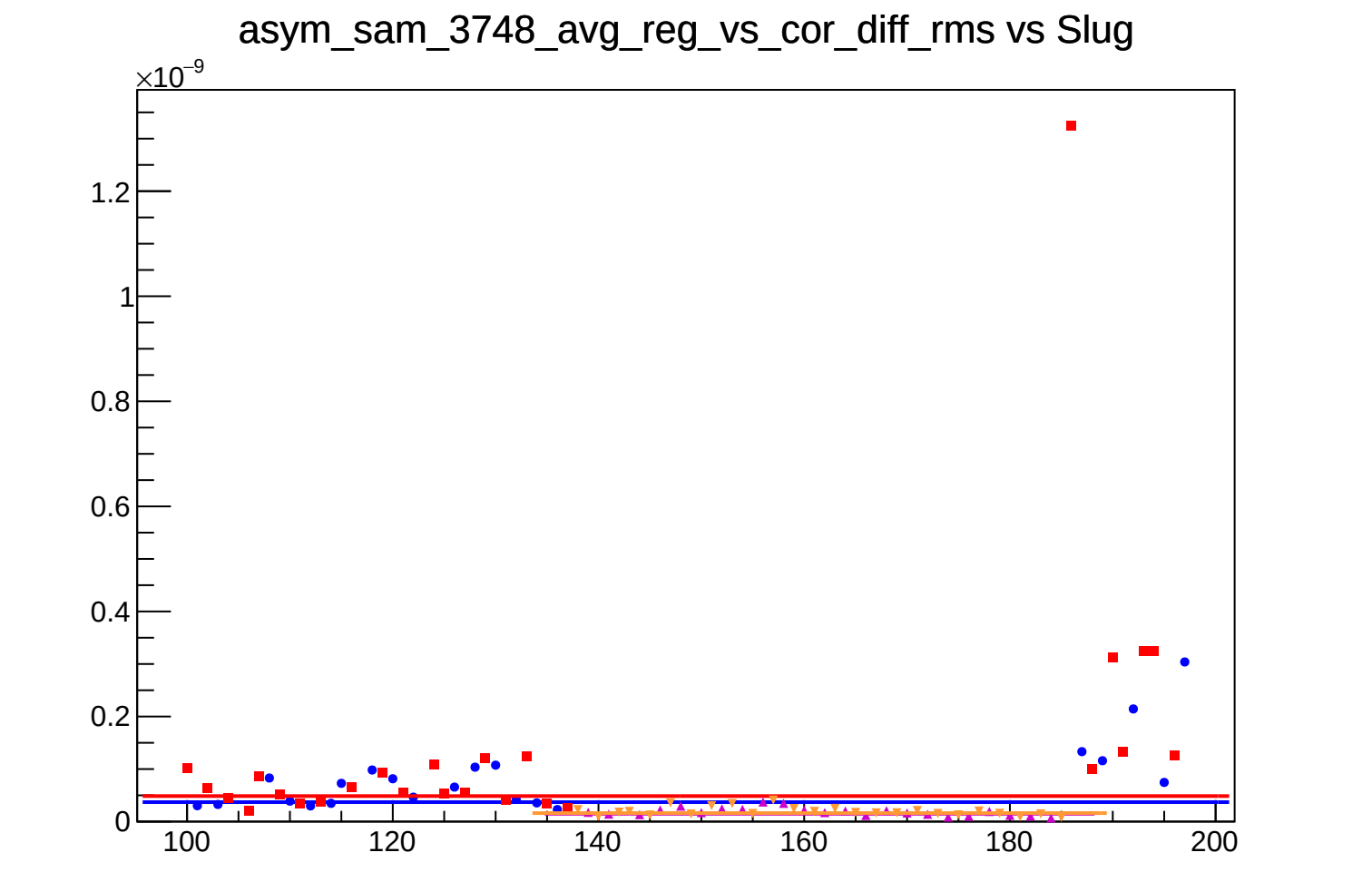
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/25

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.2/45

All: -0.000+/-0.000 χ^2/NDF: 106.8/94

- sign -0.000+/-0.000 χ^2/NDF: 45.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2731678.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3465918.7/25

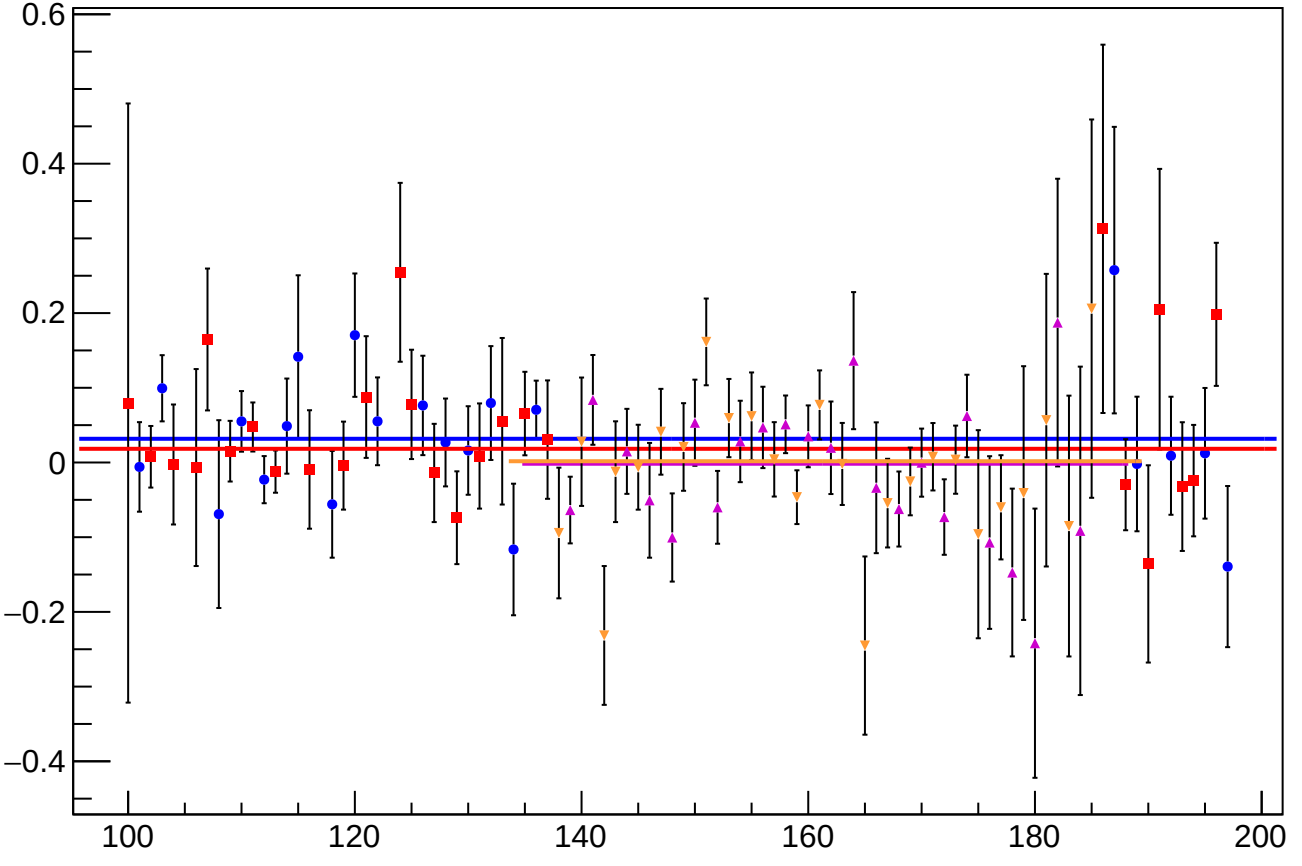
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6178843.4/45

All: 0.000+/-0.000 χ^2/NDF: 14441844.6/94

- sign 0.000+/-0.000 χ^2/NDF: 8227629.2/48

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.032+/-0.013 χ^2/NDF: 21.2/20

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.018+/-0.012 χ^2/NDF: 22.0/25

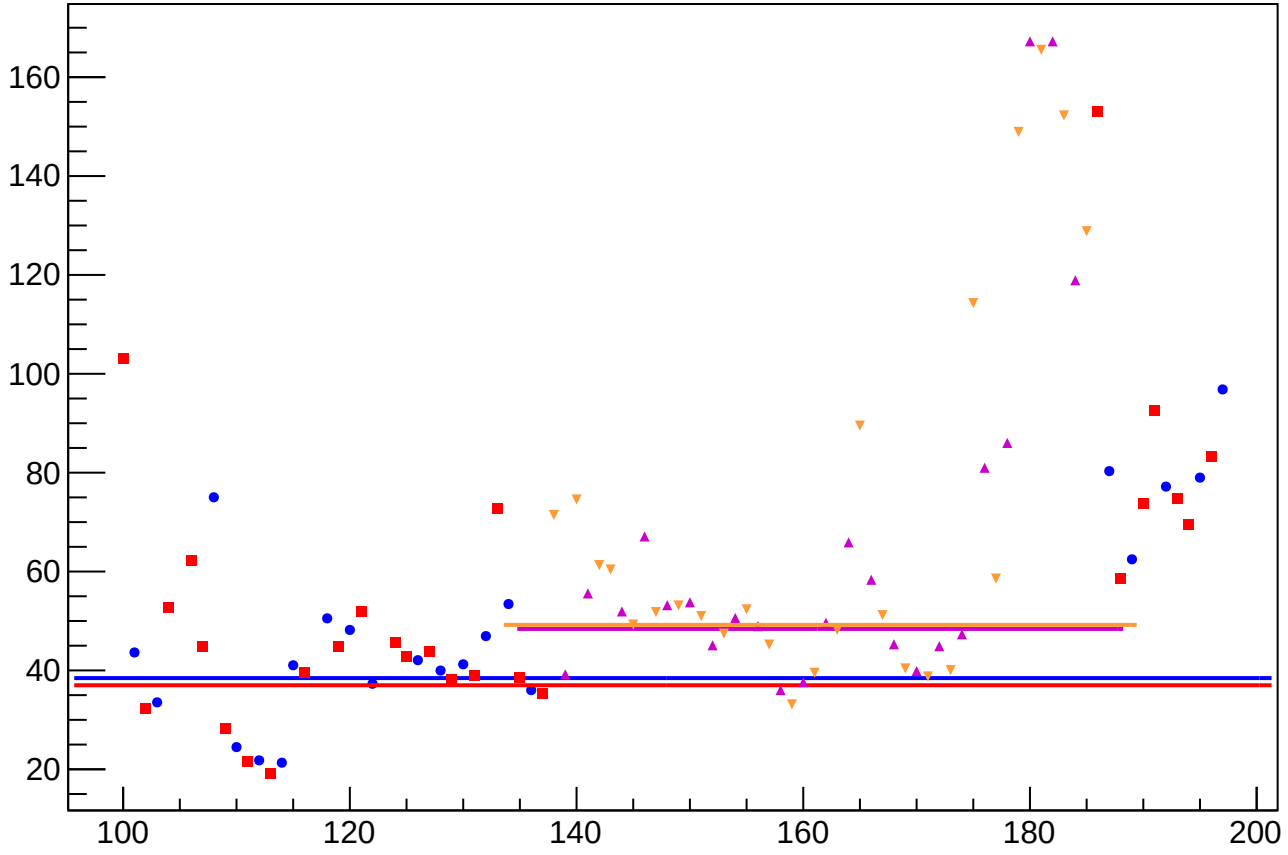
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 54.4/45

All: 0.012+/-0.006 χ^2/NDF: 104.1/94

- sign 0.008+/-0.009 χ^2/NDF: 49.4/48

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 38.448+/-0.009 χ^2/NDF: 3069654.1/20

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

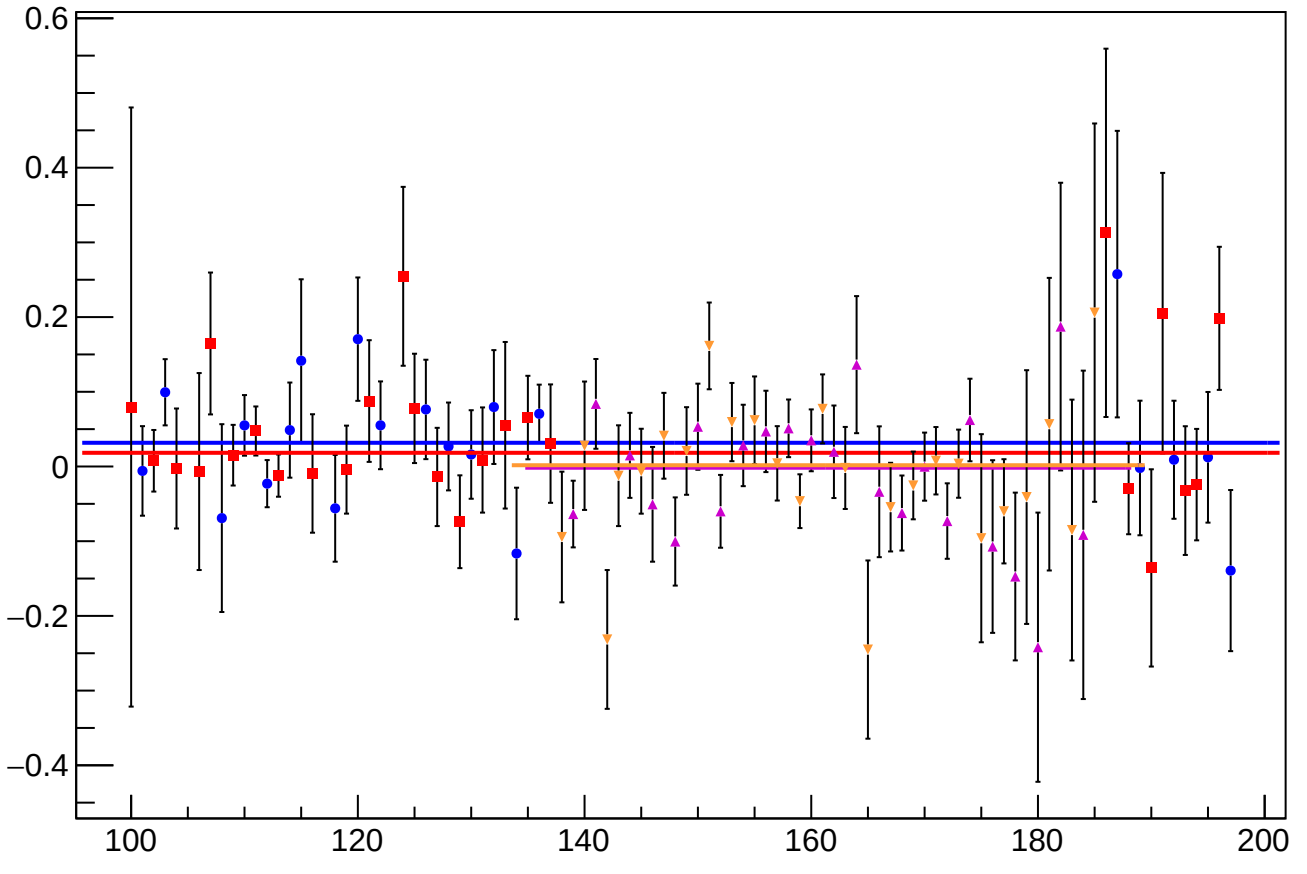
Right Out: 37.005+/-0.009 χ^2/NDF: 4188999.0/25

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 44.226+/-0.006 χ^2/NDF: 7951962.2/45

All: 43.423+/-0.004 χ^2/NDF: 16056798.3/94

- sign 42.669+/-0.006 χ^2/NDF: 8074007.3/48



Right In: 0.032+/-0.013 χ^2/NDF: 21.2/20

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

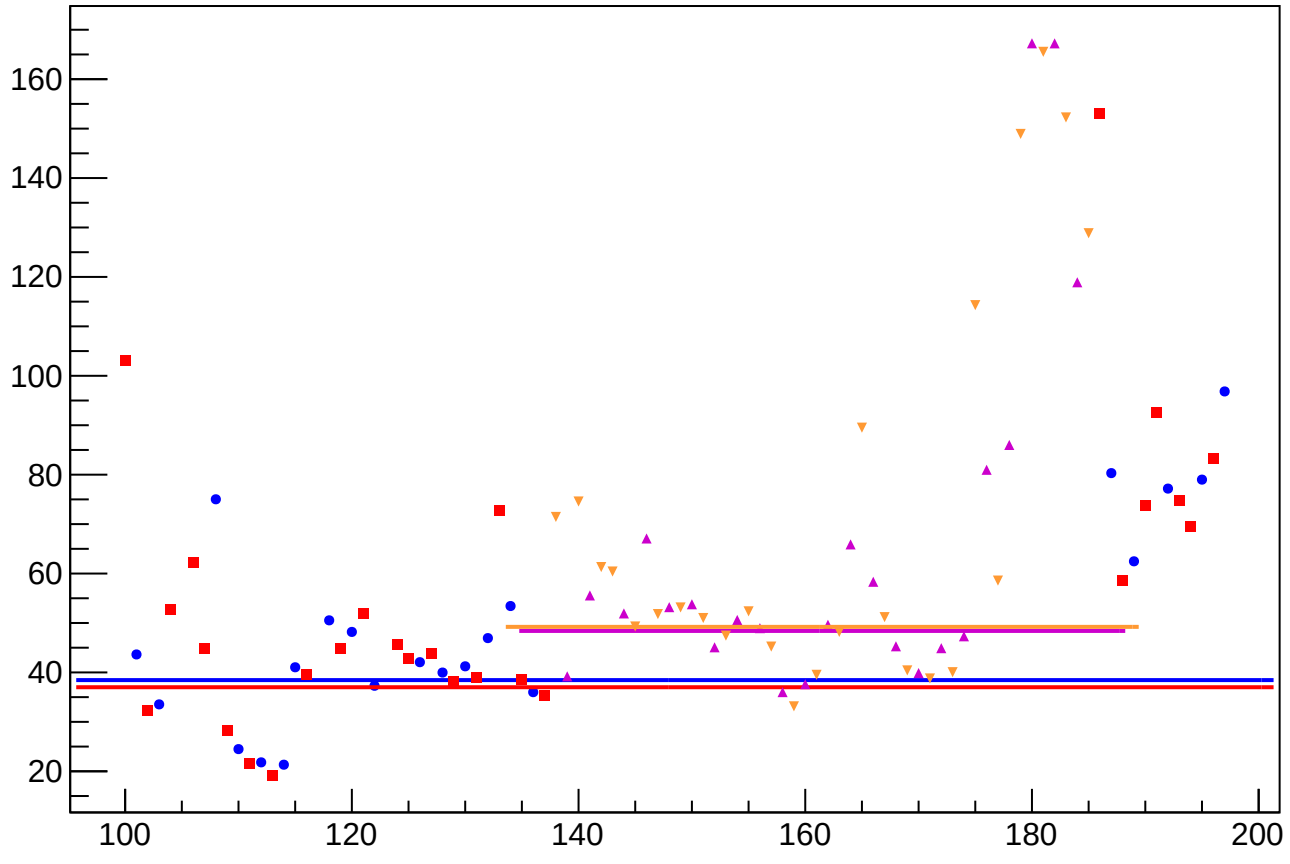
Right Out: 0.018+/-0.012 χ^2/NDF: 22.0/25

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.016+/-0.009 χ^2/NDF: 54.4/45

All: 0.012+/-0.006 χ^2/NDF: 104.1/94

- sign 0.008+/-0.009 χ^2/NDF: 49.4/48



Right In: 38.448+/-0.009 χ^2/NDF: 3069654.1/20

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

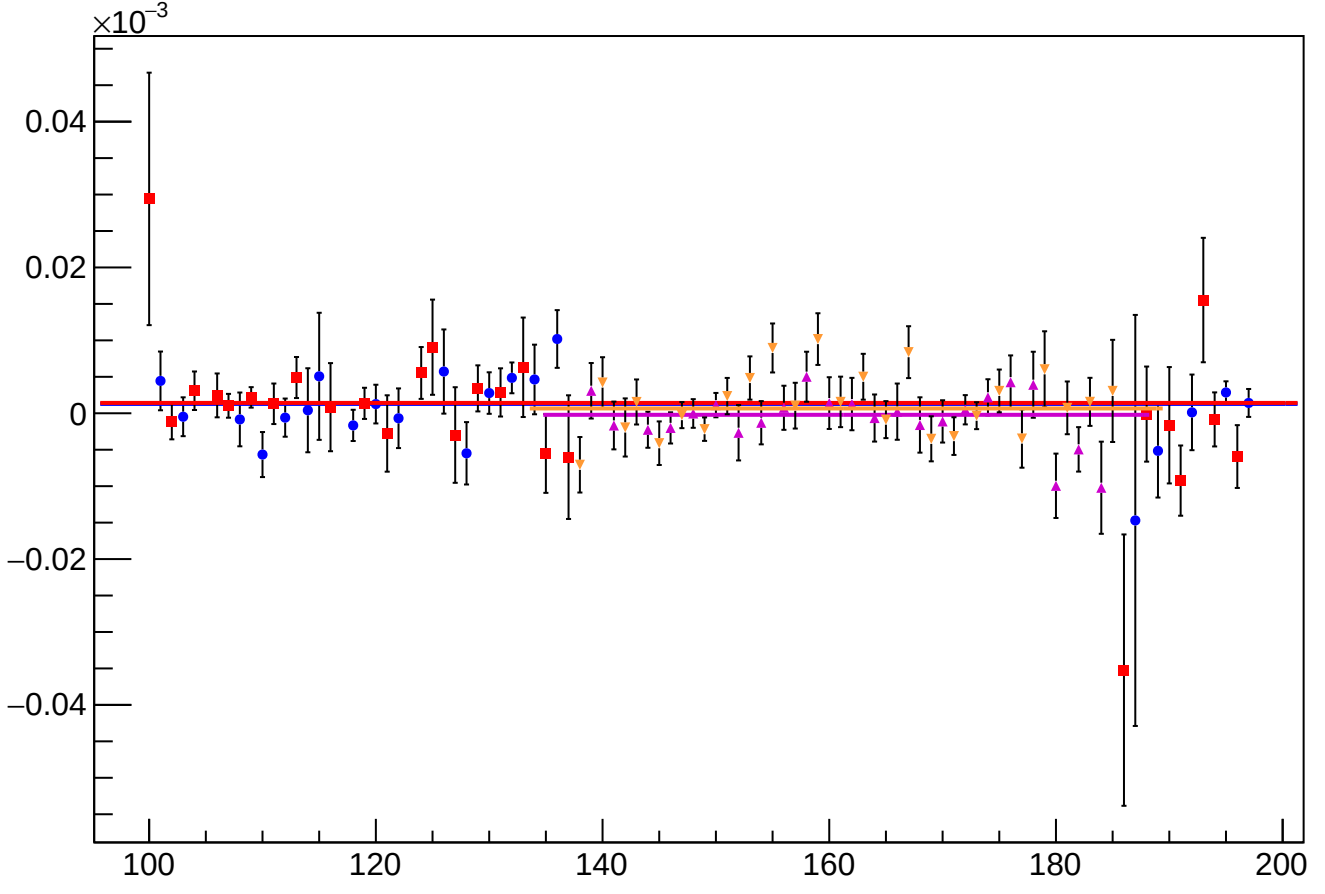
Right Out: 37.005+/-0.009 χ^2/NDF: 4188999.0/25

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 44.226+/-0.006 χ^2/NDF: 7951962.2/45

All: 43.423+/-0.004 χ^2/NDF: 16056798.3/94

- sign 42.669+/-0.006 χ^2/NDF: 8074007.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

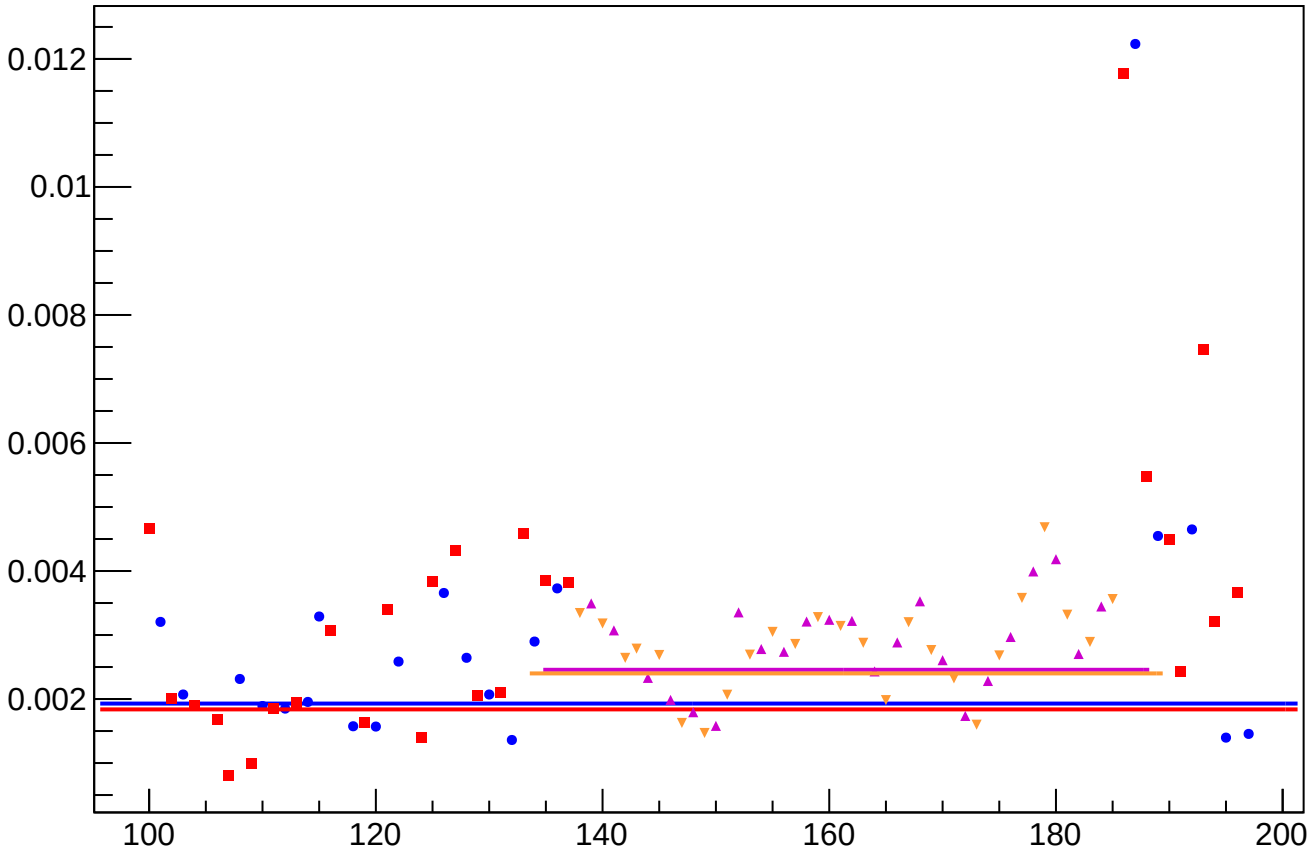
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/25

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/45

All: 0.000+/-0.000 χ^2/NDF: 117.6/94

- sign 0.000+/-0.000 χ^2/NDF: 51.6/48



Right In: 0.002+/-0.000 χ^2/NDF: 2819367.1/20

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

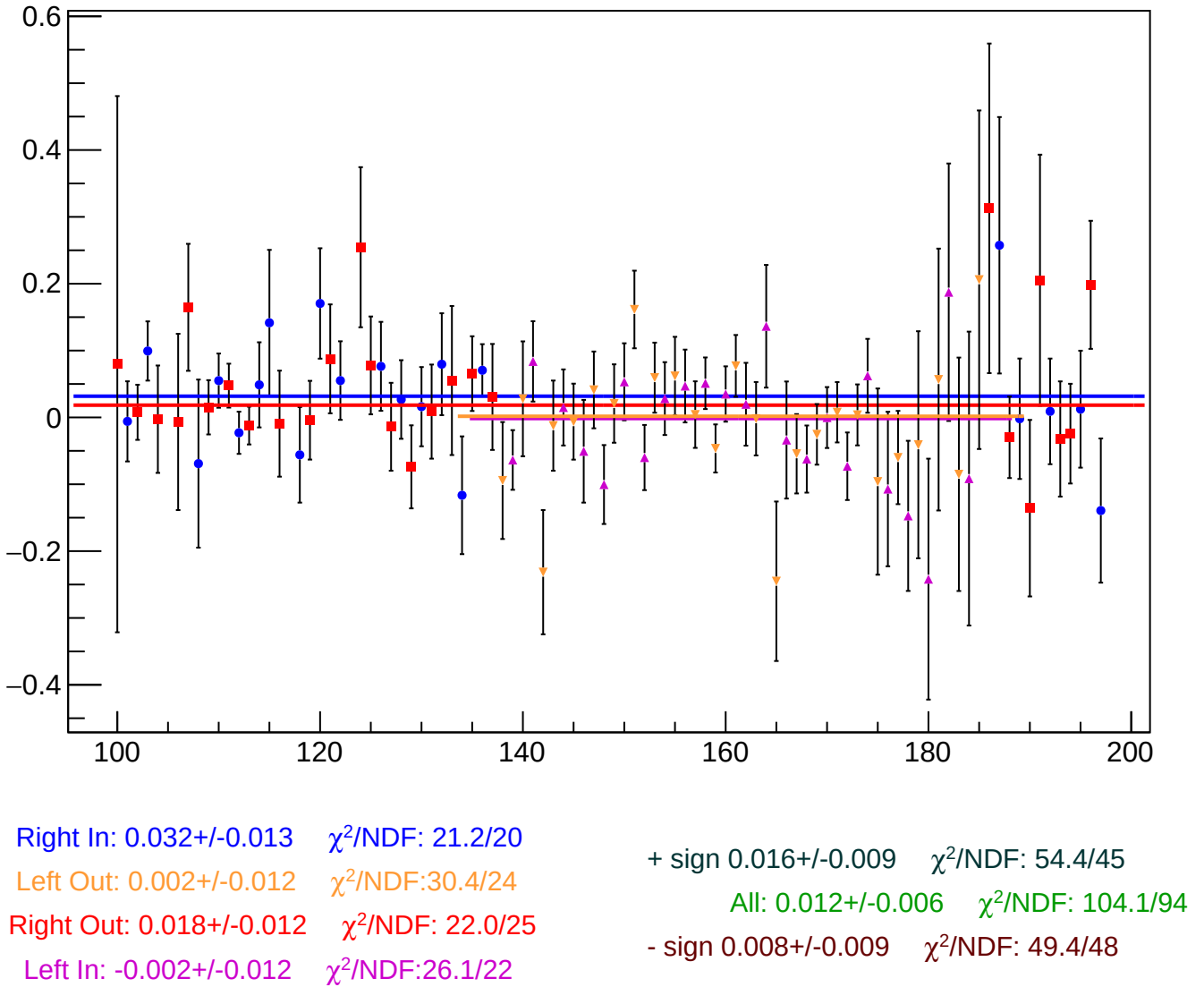
Right Out: 0.002+/-0.000 χ^2/NDF: 6065185.1/25

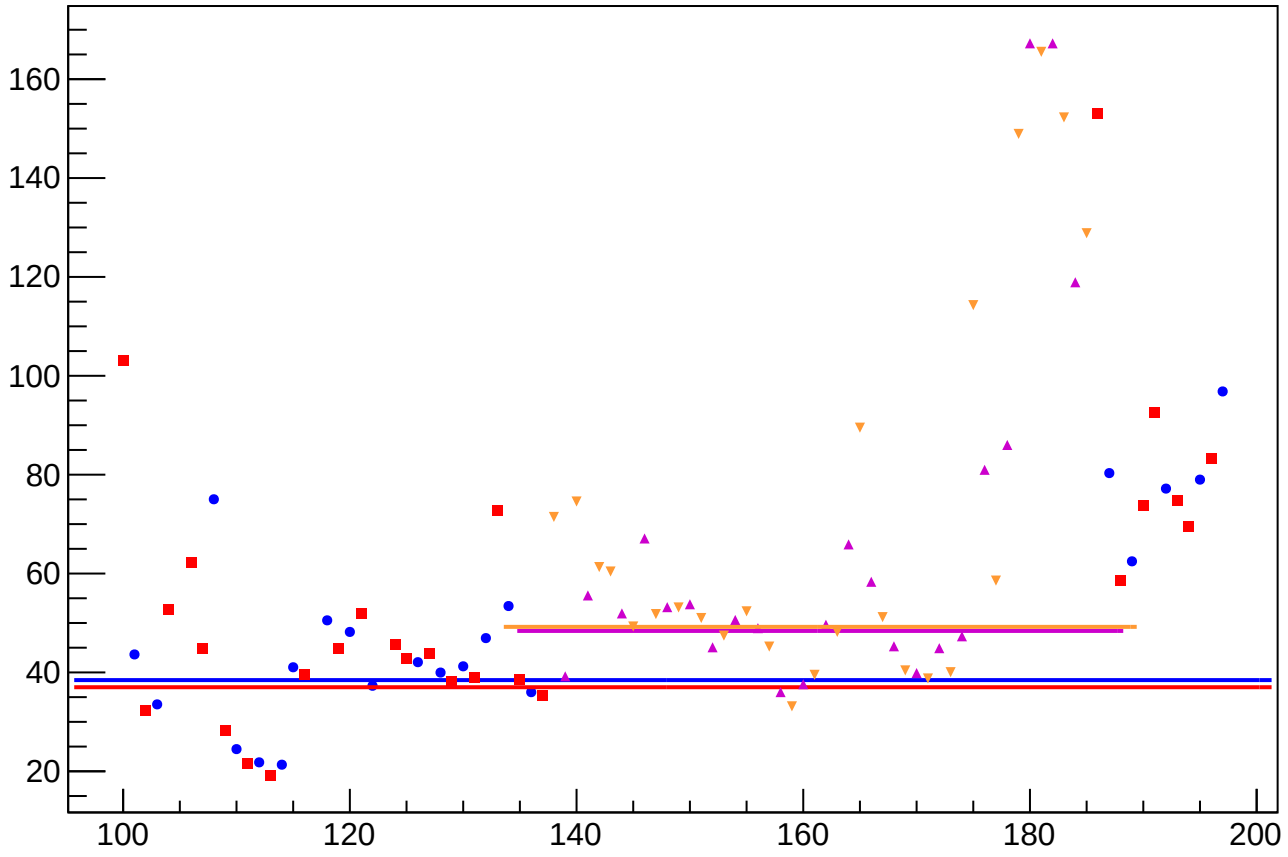
Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 6523835.9/45

All: 0.002+/-0.000 χ^2/NDF: 16218766.6/94

- sign 0.002+/-0.000 χ^2/NDF: 9689587.4/48


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.032+/-0.013 χ²/NDF: 21.2/20
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.018+/-0.012 χ²/NDF: 22.0/25
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.016+/-0.009 χ²/NDF: 54.4/45
All: 0.012+/-0.006 χ²/NDF: 104.1/94
- sign 0.008+/-0.009 χ²/NDF: 49.4/48



Right In: 38.448+/-0.009 χ^2/NDF: 3069563.2/20

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

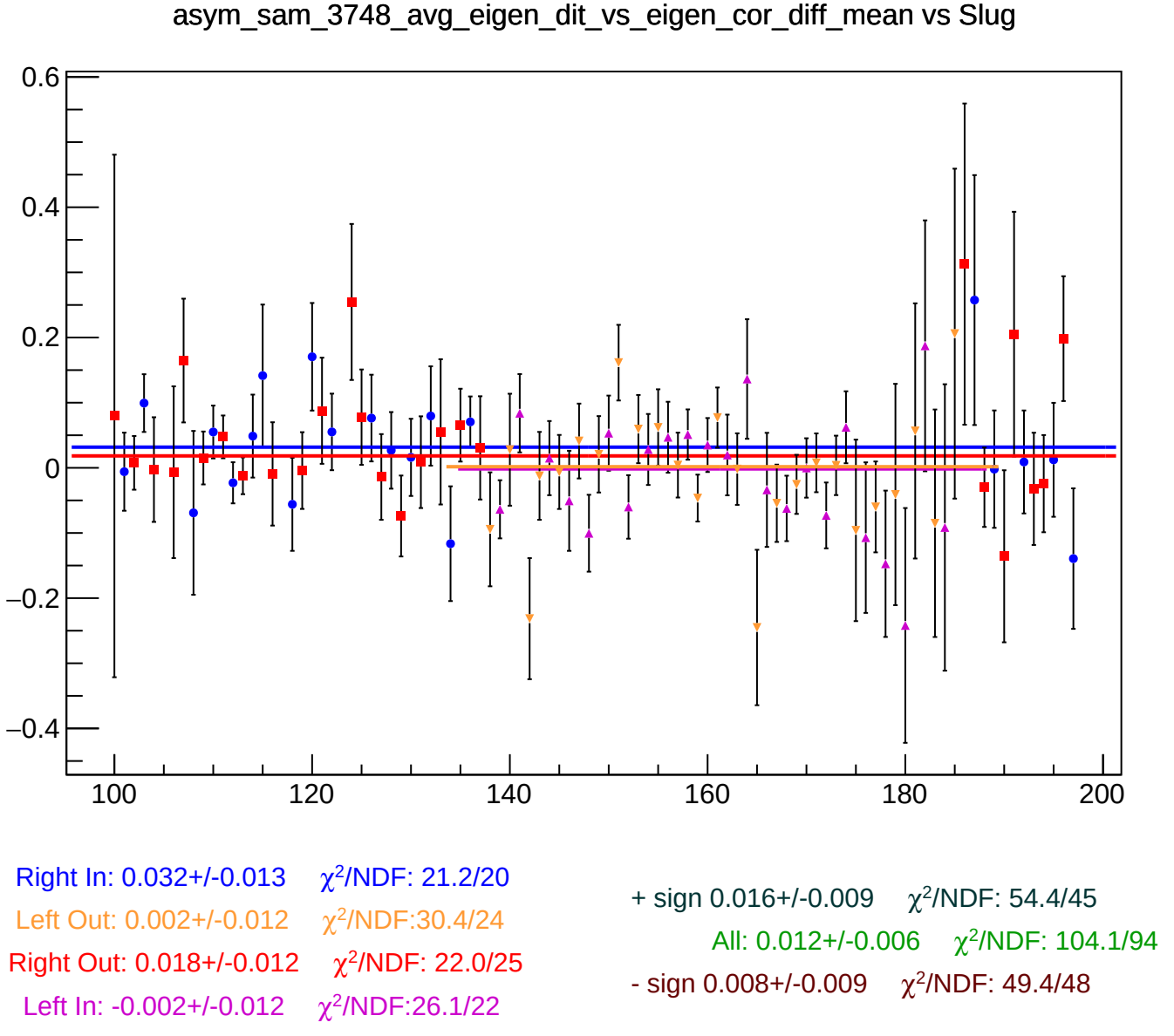
Right Out: 37.005+/-0.009 χ^2/NDF: 4188956.7/25

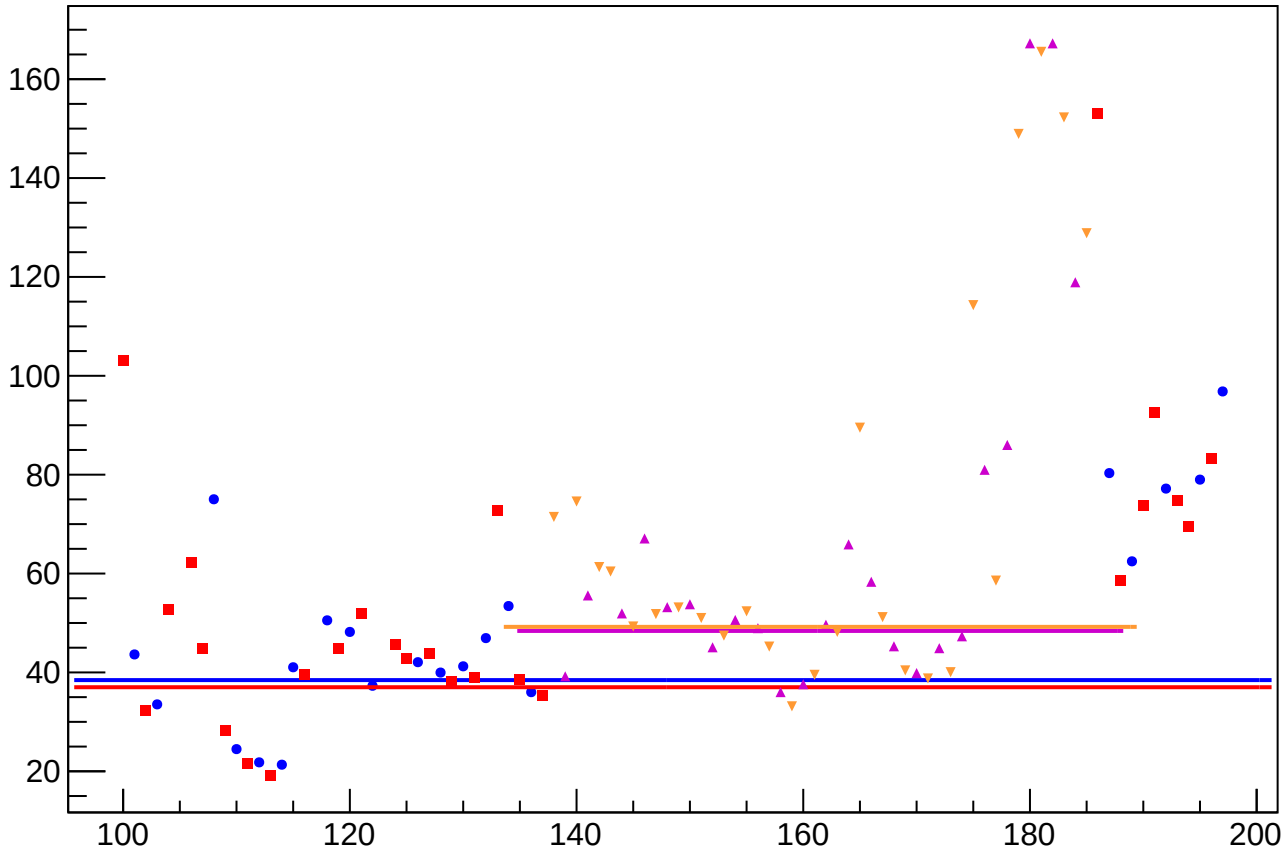
Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 44.227+/-0.006 χ^2/NDF: 7951857.9/45

All: 43.424+/-0.004 χ^2/NDF: 16056615.9/94

- sign 42.670+/-0.006 χ^2/NDF: 8073931.3/48


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.032+/-0.013 χ²/NDF: 21.2/20
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.018+/-0.012 χ²/NDF: 22.0/25
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.016+/-0.009 χ²/NDF: 54.4/45
All: 0.012+/-0.006 χ²/NDF: 104.1/94
- sign 0.008+/-0.009 χ²/NDF: 49.4/48



Right In: 38.448+/-0.009 χ^2/NDF: 3069563.2/20

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

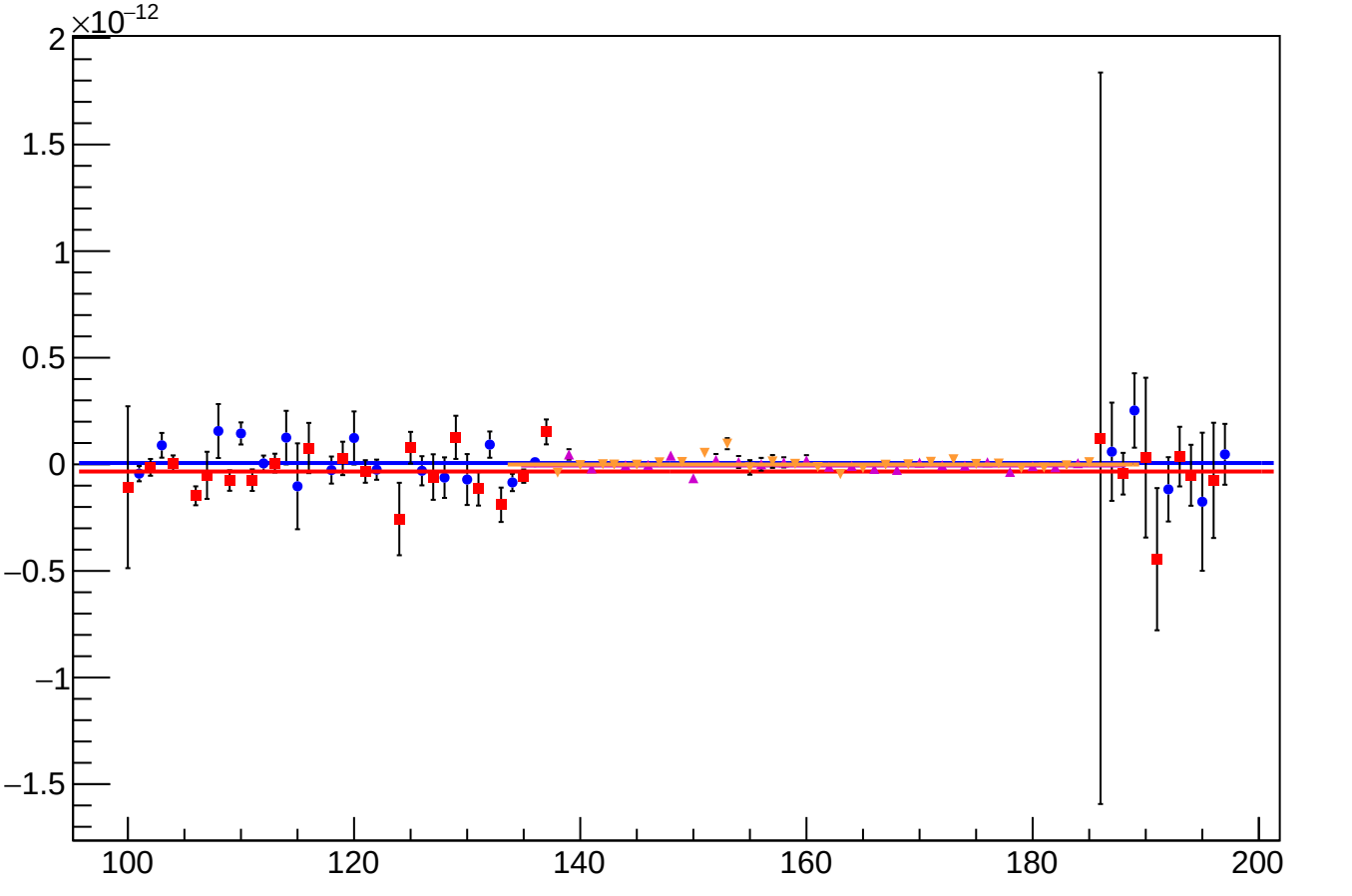
Right Out: 37.005+/-0.009 χ^2/NDF: 4188956.7/25

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 44.227+/-0.006 χ^2/NDF: 7951857.9/45

All: 43.424+/-0.004 χ^2/NDF: 16056615.9/94

- sign 42.670+/-0.006 χ^2/NDF: 8073931.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

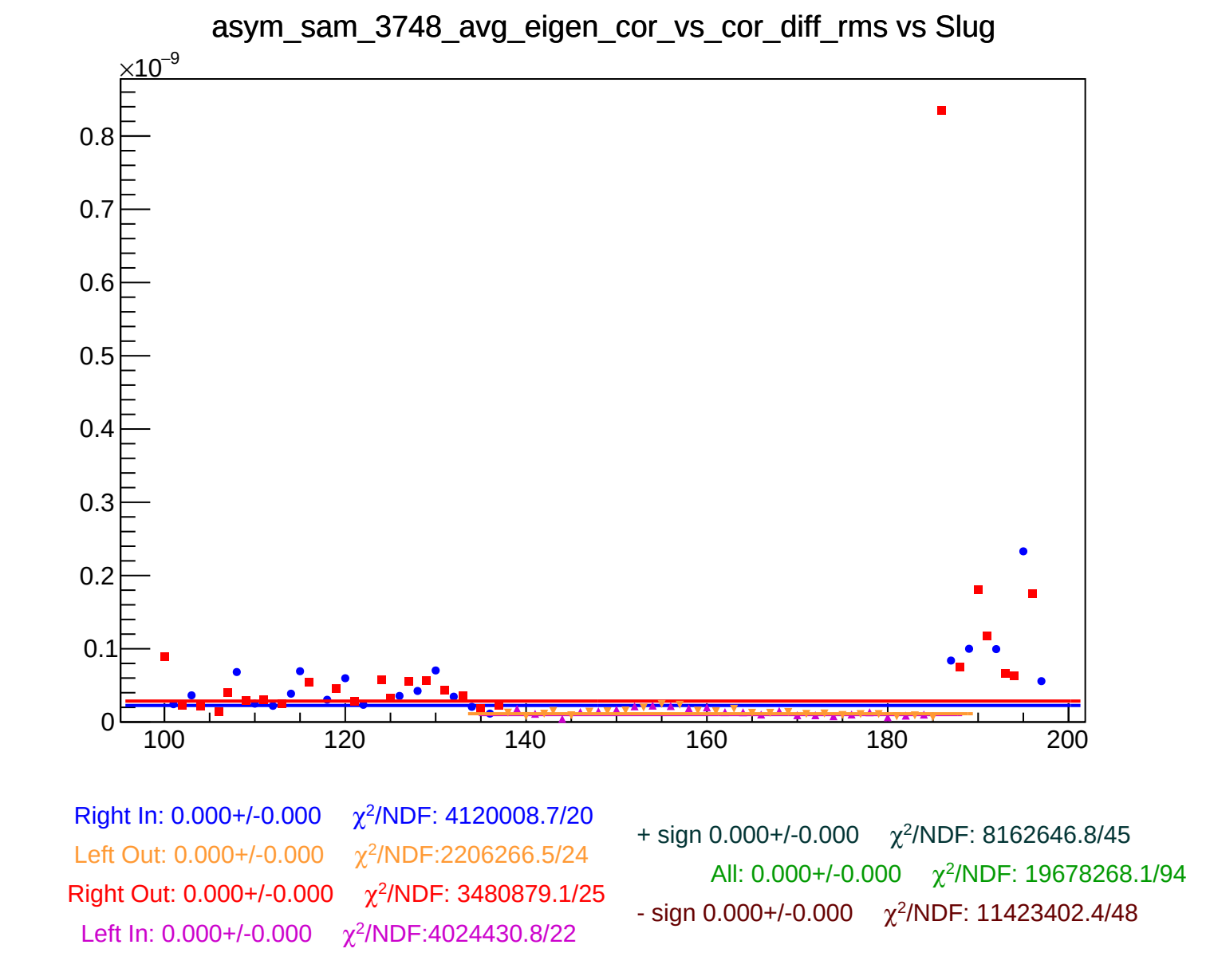
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/25

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

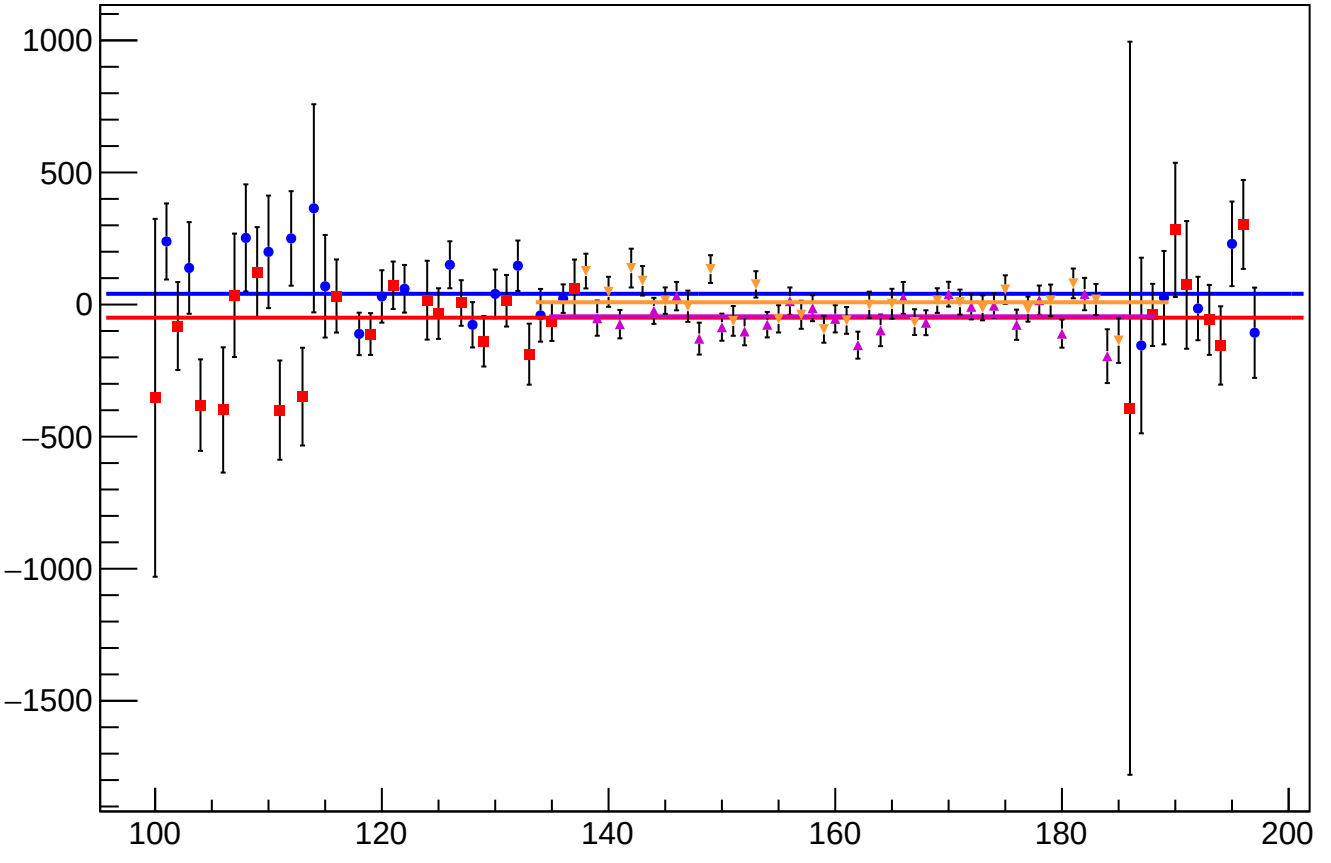
+ sign -0.000+/-0.000 χ^2/NDF: 64.0/45

All: -0.000+/-0.000 χ^2/NDF: 134.8/94

- sign -0.000+/-0.000 χ^2/NDF: 68.4/48


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4120008.7/20
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3480879.1/25
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
+ sign 0.000+/-0.000 χ²/NDF: 8162646.8/45
All: 0.000+/-0.000 χ²/NDF: 19678268.1/94
- sign 0.000+/-0.000 χ²/NDF: 11423402.4/48

reg_asym_sam_1526_avg_mean vs Slug



Right In: 40.741+/-24.338 χ^2/NDF: 17.7/20

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -49.683+/-24.802 χ^2/NDF: 27.5/25

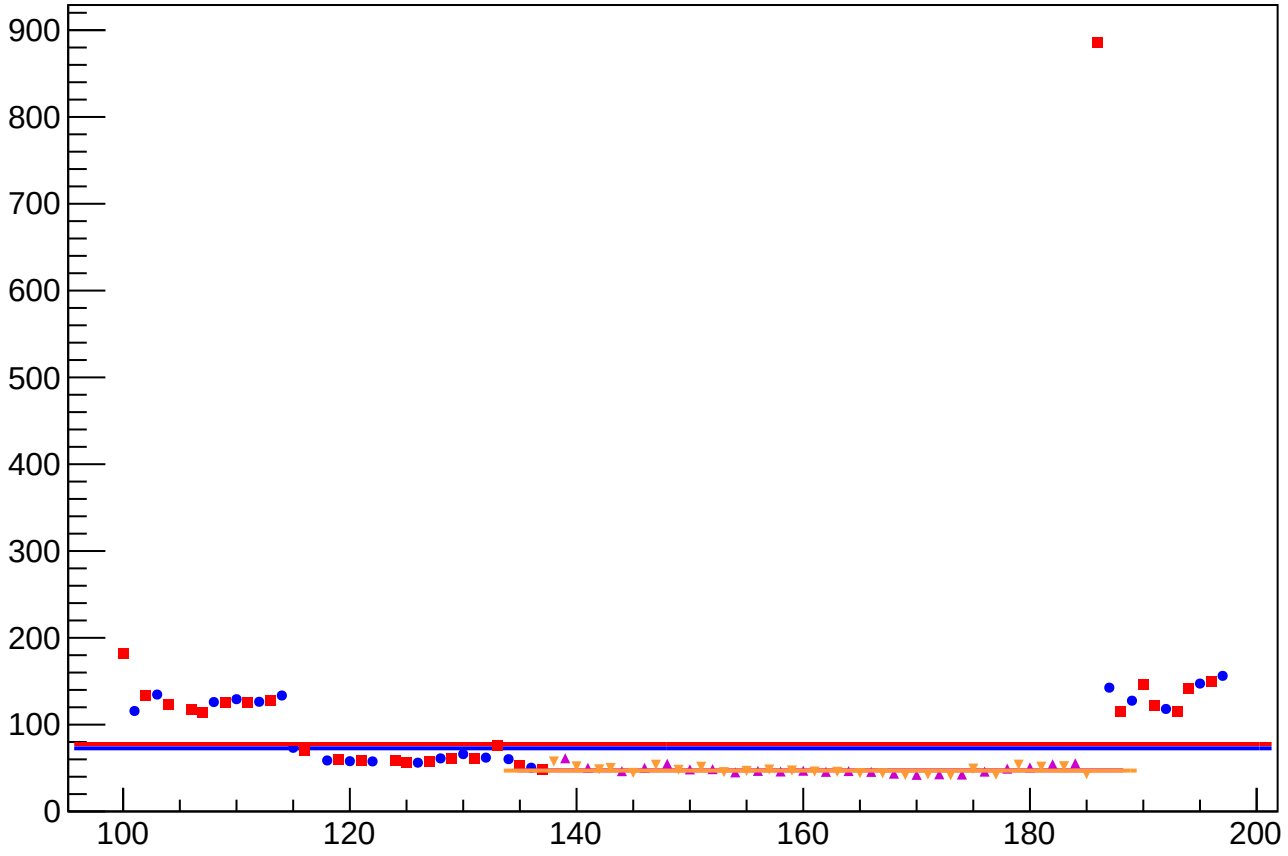
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.993+/-9.848 χ^2/NDF: 53.7/45

All: -14.757+/-7.074 χ^2/NDF: 125.9/94

- sign -45.405+/-10.169 χ^2/NDF: 54.6/48

reg_asym_sam_1526_avg_rms vs Slug



Right In: 72.725+/-0.017 χ^2/NDF: 3094173.9/20

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

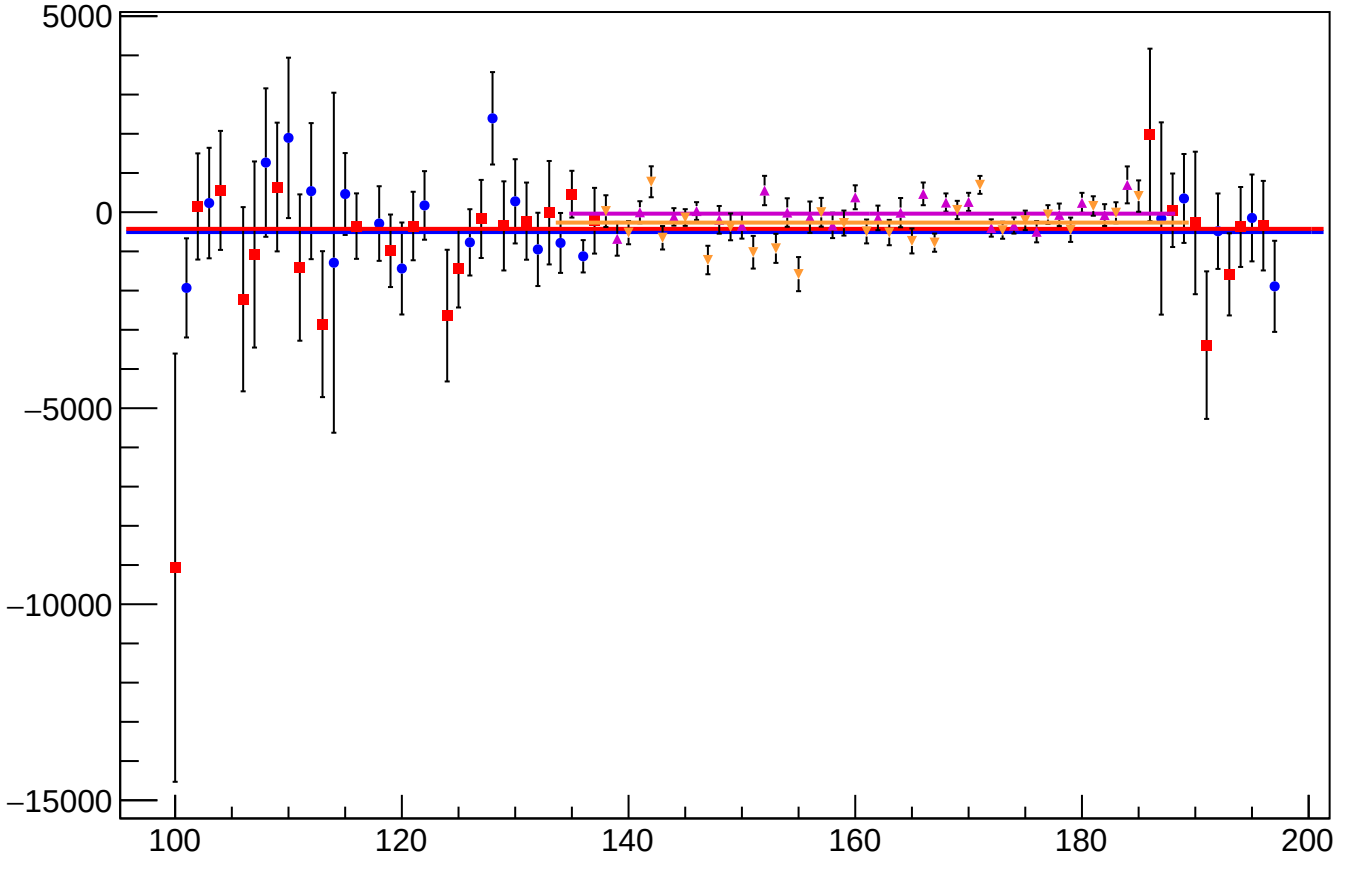
Right Out: 77.708+/-0.018 χ^2/NDF: 3857923.3/25

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 51.266+/-0.007 χ^2/NDF: 5241064.0/45

All: 51.854+/-0.005 χ^2/NDF: 11872043.1/94

- sign 52.481+/-0.007 χ^2/NDF: 6616248.2/48



Right In: -507.016+/-216.212 χ^2/NDF: 17.7/20

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -425.325+/-224.852 χ^2/NDF: 16.9/25

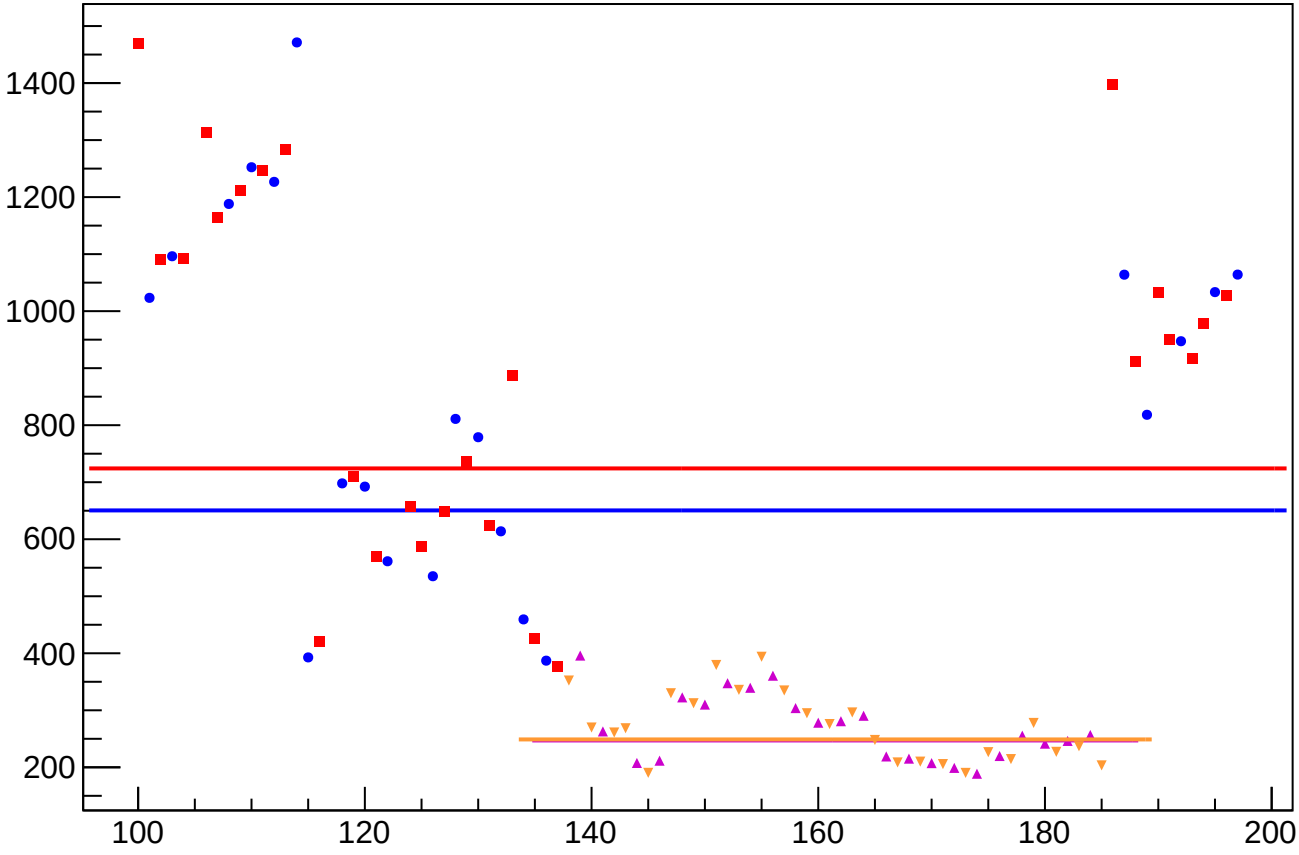
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -281.901+/-56.048 χ^2/NDF: 88.7/45

All: -174.523+/-40.037 χ^2/NDF: 142.5/94

- sign -62.636+/-57.212 χ^2/NDF: 46.3/48

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 650.538+/-0.153 χ^2/NDF: 2981673.6/20

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 724.174+/-0.159 χ^2/NDF: 2970572.2/25

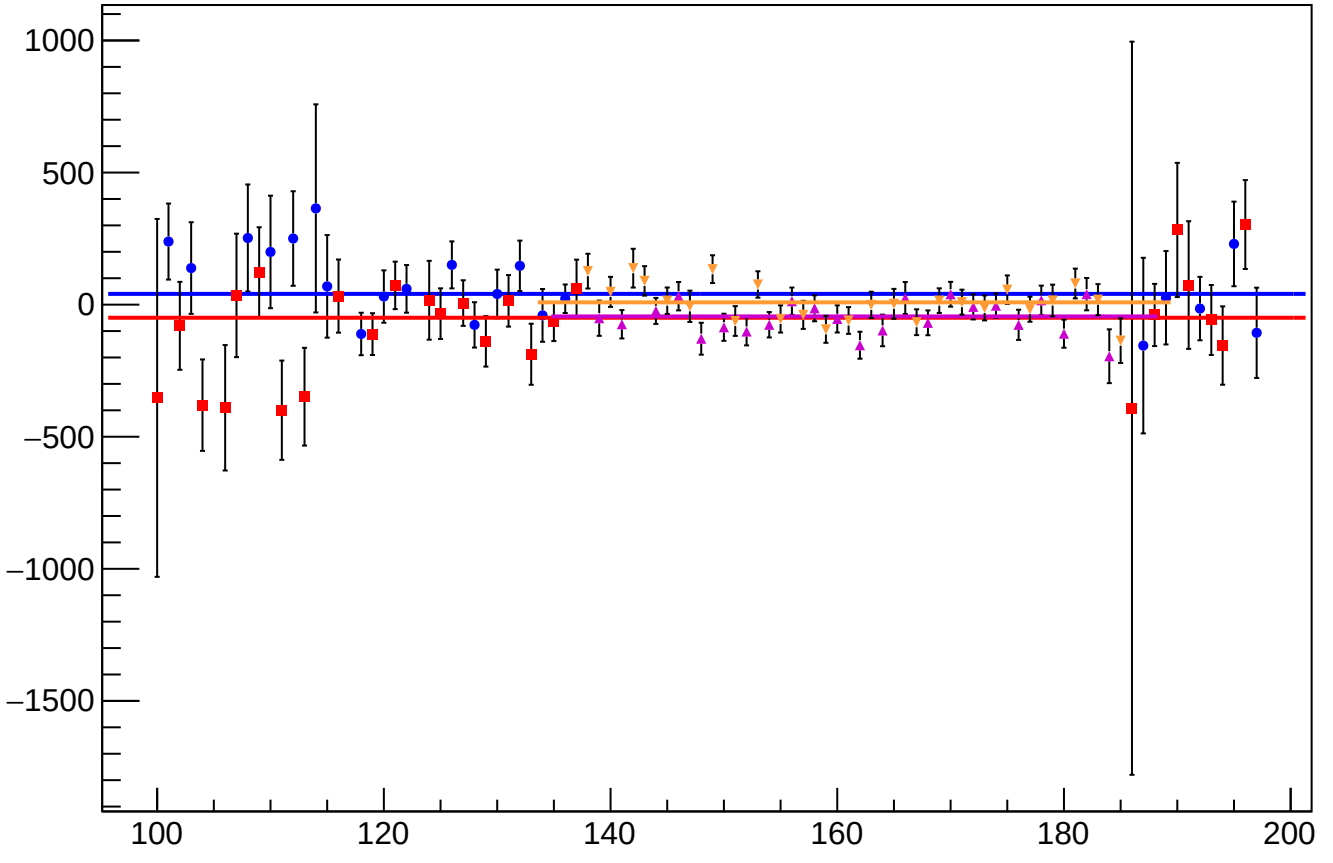
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 275.881+/-0.040 χ^2/NDF: 11083366.9/45

All: 276.916+/-0.028 χ^2/NDF: 23959994.9/94

- sign 277.995+/-0.040 χ^2/NDF: 12875233.7/48

cor_asym_sam_1526_avg_mean vs Slug



Right In: 40.734+/-24.338 χ^2/NDF: 17.7/20

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -49.554+/-24.803 χ^2/NDF: 27.4/25

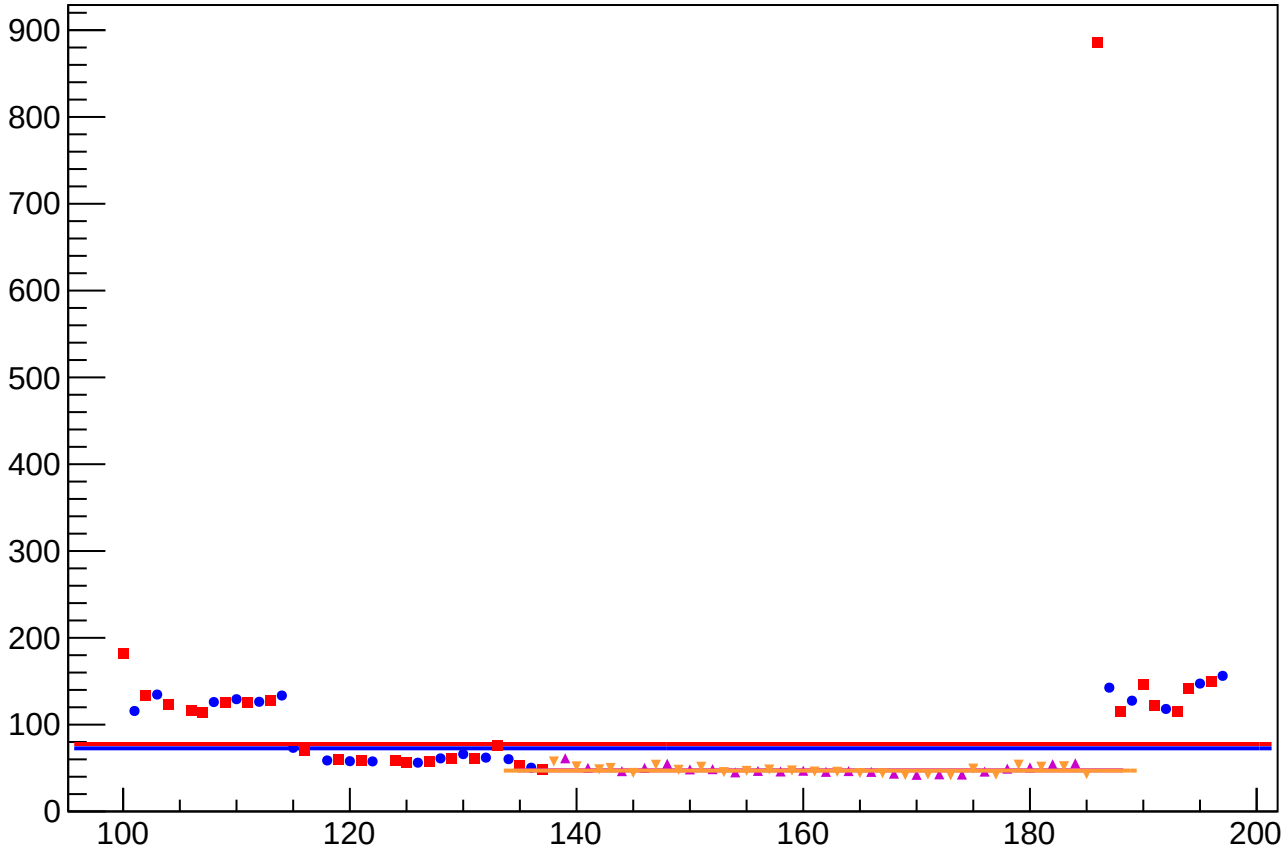
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.994+/-9.848 χ^2/NDF: 53.7/45

All: -14.745+/-7.074 χ^2/NDF: 125.8/94

- sign -45.383+/-10.169 χ^2/NDF: 54.5/48

cor_asym_sam_1526_avg_rms vs Slug



Right In: 72.725+/-0.017 χ^2/NDF: 3094176.2/20

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

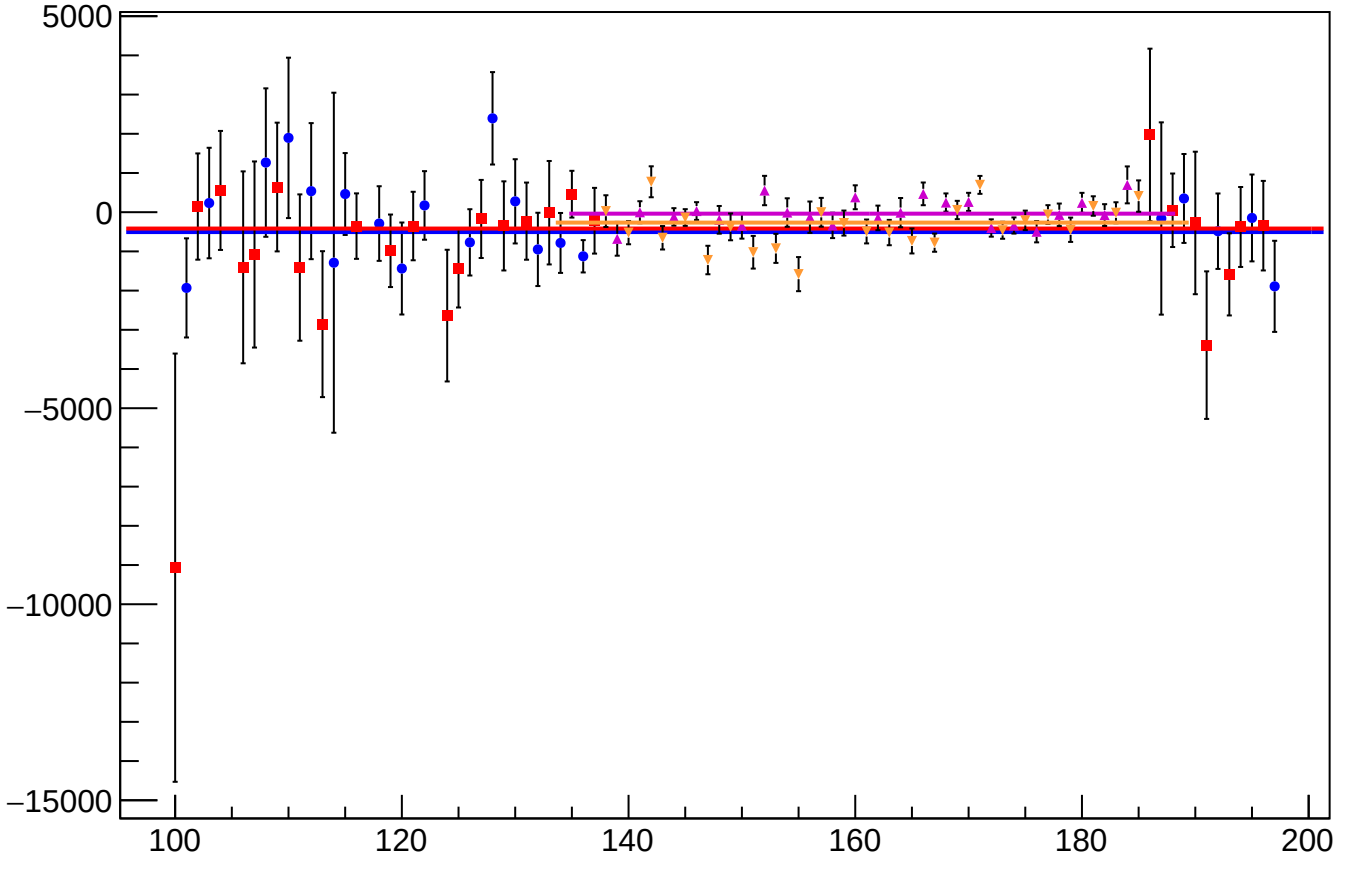
Right Out: 77.697+/-0.018 χ^2/NDF: 3855290.0/25

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 51.266+/-0.007 χ^2/NDF: 5241066.1/45

All: 51.853+/-0.005 χ^2/NDF: 11867318.6/94

- sign 52.479+/-0.007 χ^2/NDF: 6611574.9/48



Right In: -507.004+/-216.212 χ^2/NDF: 17.7/20

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

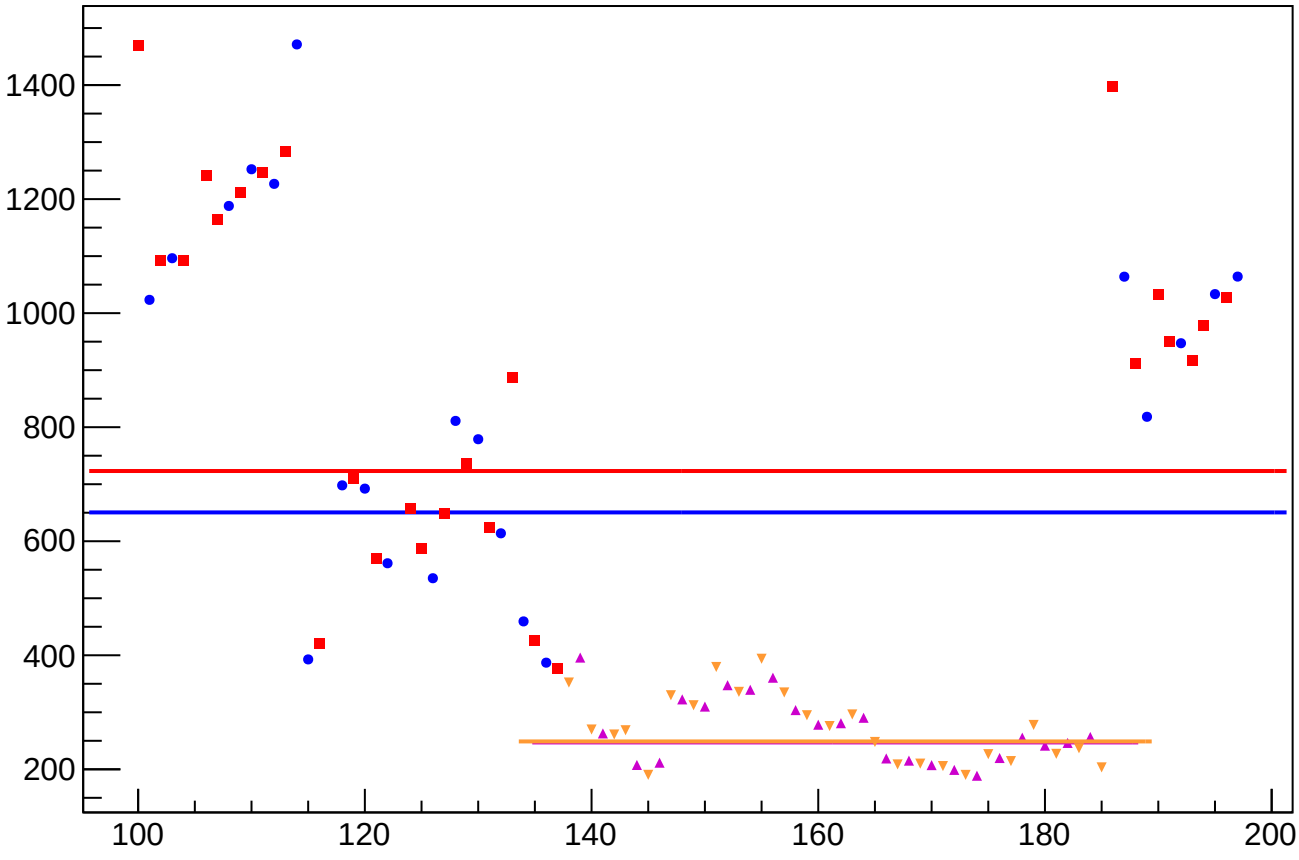
Right Out: -417.242+/-224.938 χ^2/NDF: 16.5/25

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -281.896+/-56.047 χ^2/NDF: 88.7/45

All: -174.258+/-40.038 χ^2/NDF: 142.0/94

- sign -62.093+/-57.214 χ^2/NDF: 45.8/48



Right In: 650.538+/-0.153 χ^2/NDF: 2981711.8/20

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 723.150+/-0.159 χ^2/NDF: 2934505.1/25

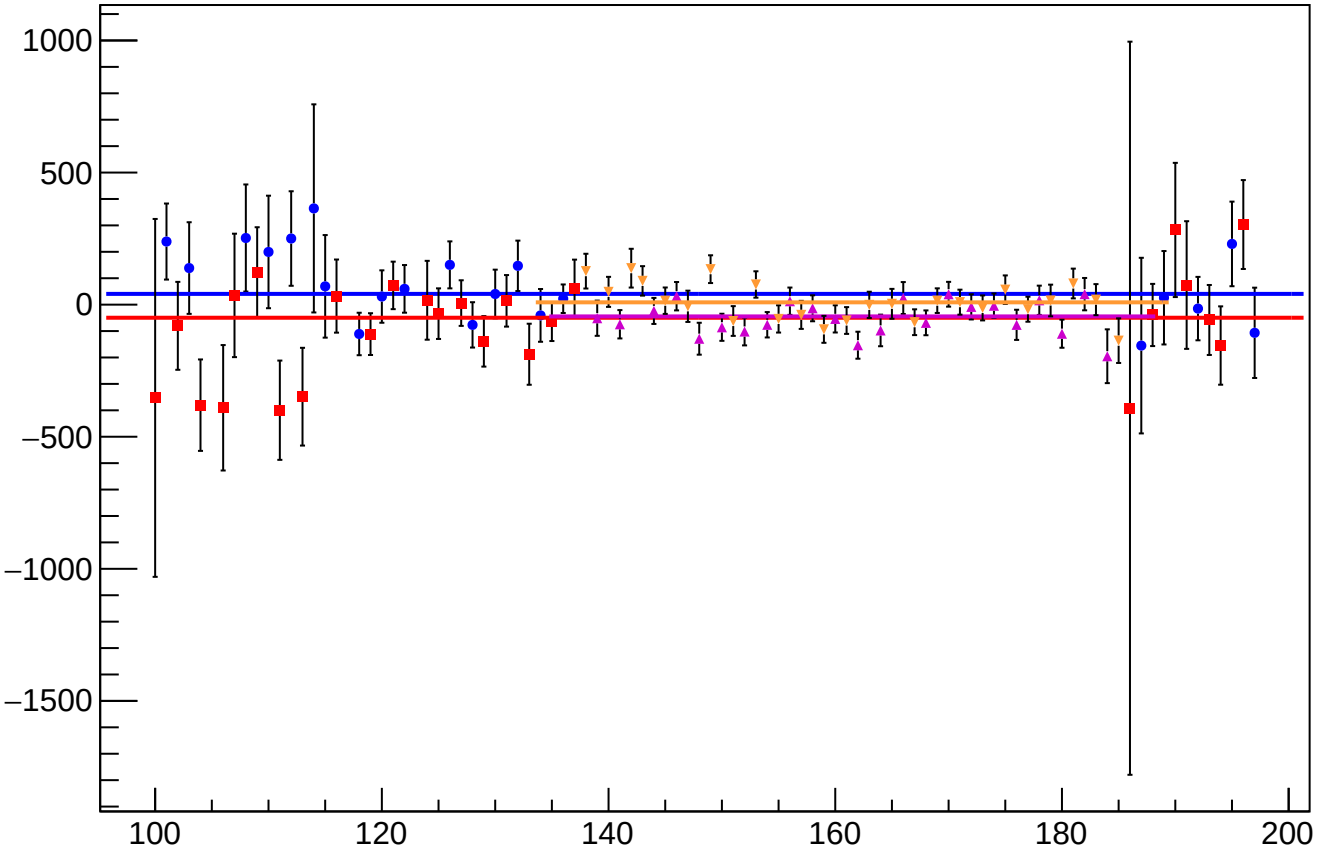
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 275.880+/-0.040 χ^2/NDF: 11083401.0/45

All: 276.873+/-0.028 χ^2/NDF: 23881748.0/94

- sign 277.907+/-0.040 χ^2/NDF: 12797066.3/48

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 40.734+/-24.338 χ^2/NDF: 17.7/20

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -49.554+/-24.803 χ^2/NDF: 27.4/25

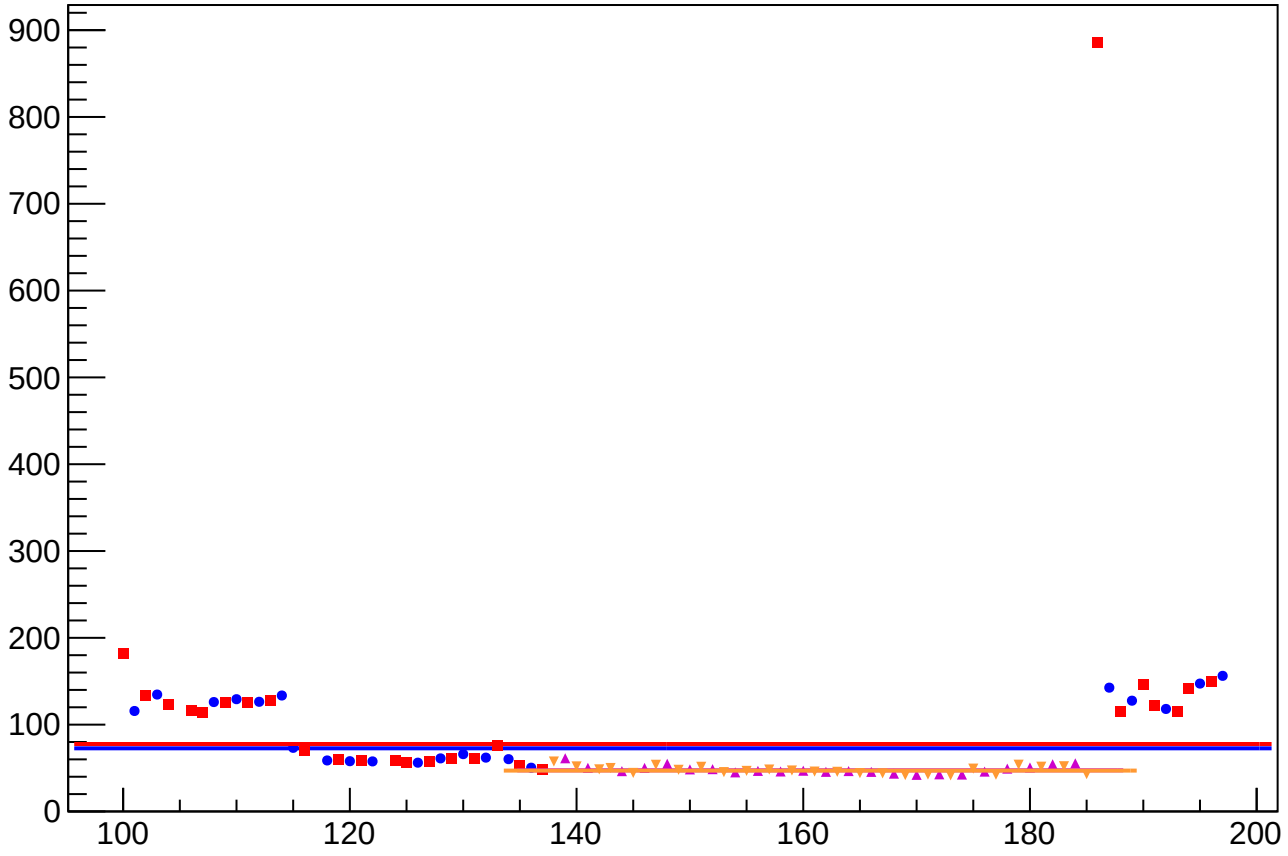
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.994+/-9.848 χ^2/NDF: 53.7/45

All: -14.745+/-7.074 χ^2/NDF: 125.8/94

- sign -45.383+/-10.169 χ^2/NDF: 54.5/48

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 72.725+/-0.017 χ^2/NDF: 3094176.2/20

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

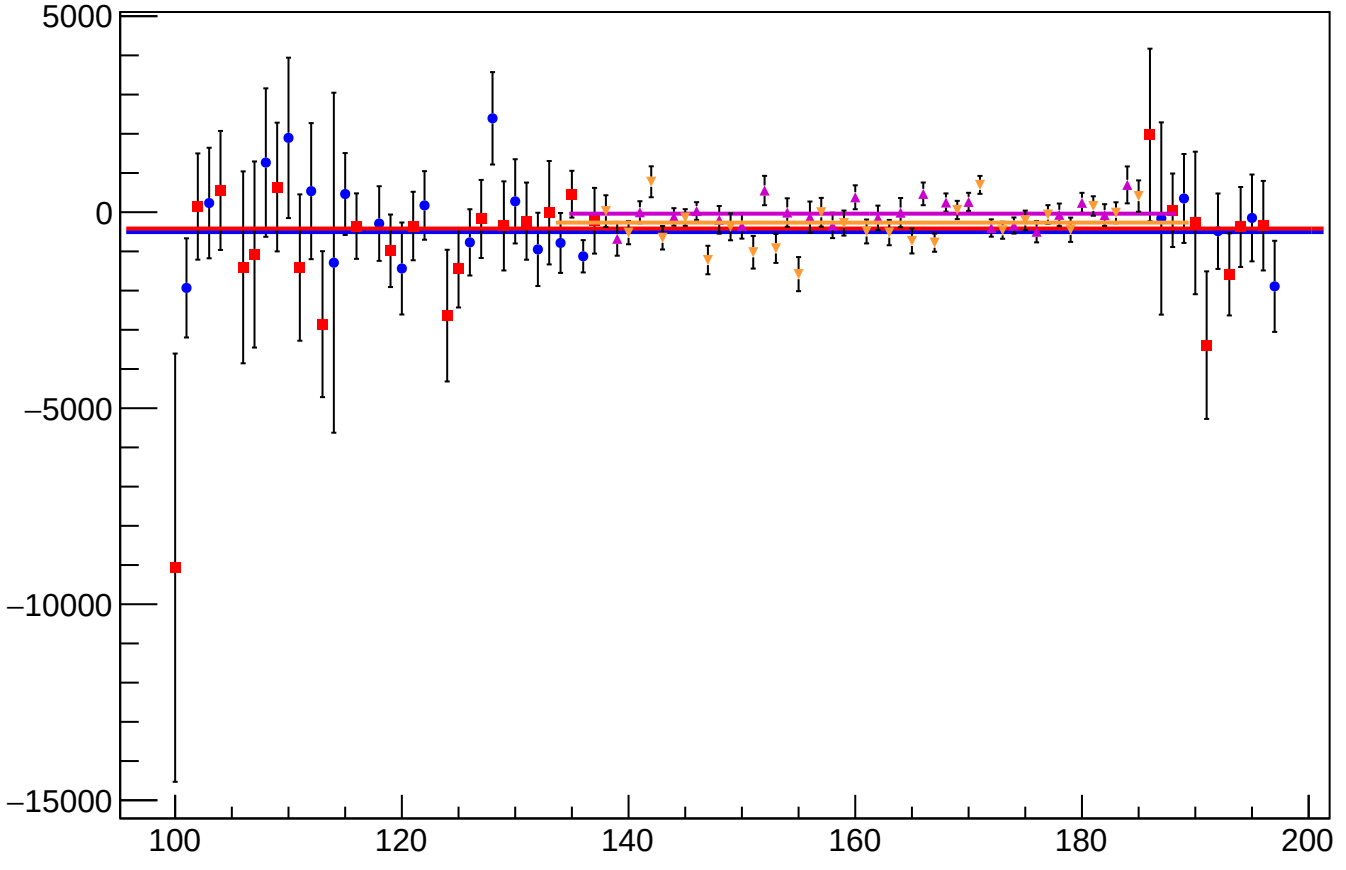
Right Out: 77.697+/-0.018 χ^2/NDF: 3855290.0/25

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 51.266+/-0.007 χ^2/NDF: 5241066.1/45

All: 51.853+/-0.005 χ^2/NDF: 11867318.6/94

- sign 52.479+/-0.007 χ^2/NDF: 6611574.9/48



Right In: -507.004+/-216.212 χ^2/NDF: 17.7/20

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

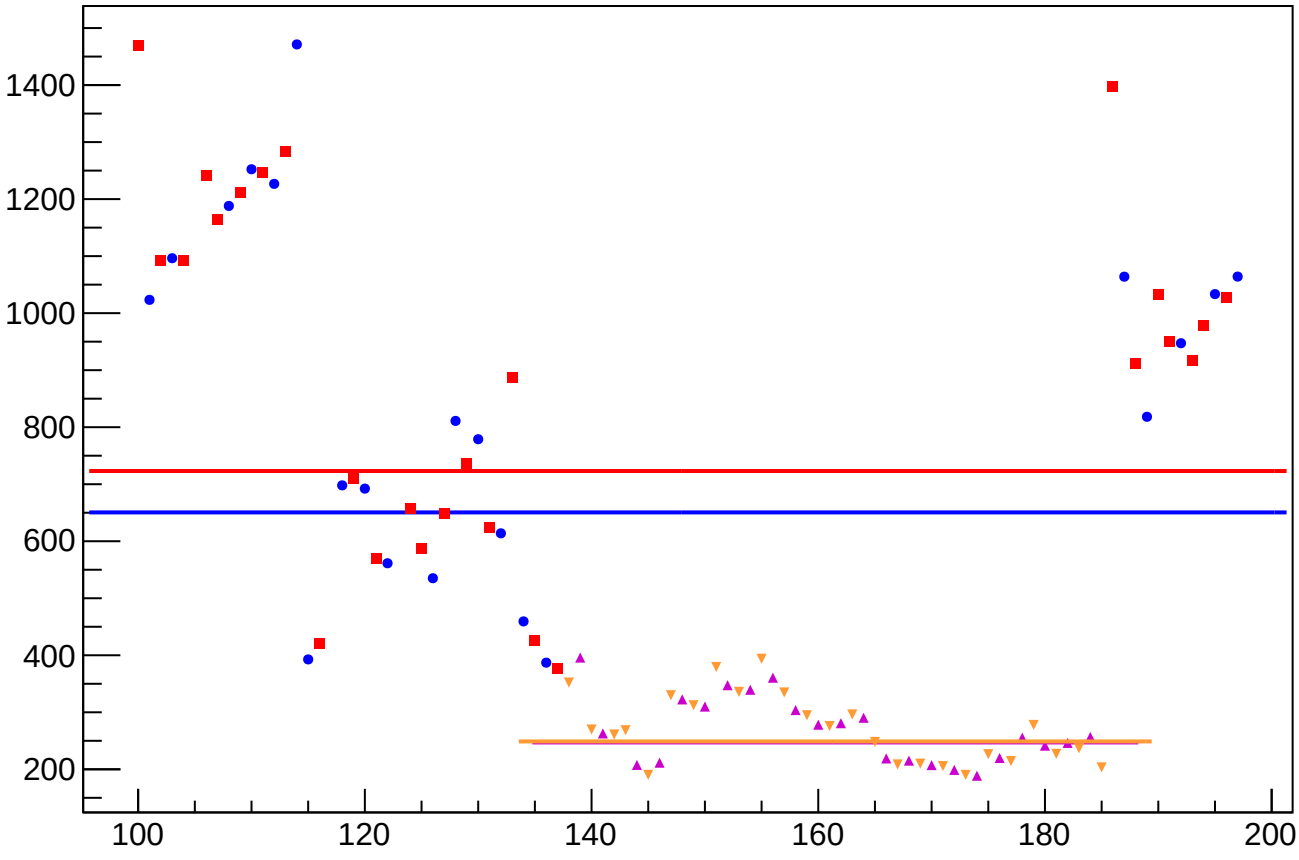
Right Out: -417.242+/-224.938 χ^2/NDF: 16.5/25

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -281.896+/-56.047 χ^2/NDF: 88.7/45

All: -174.258+/-40.038 χ^2/NDF: 142.0/94

- sign -62.093+/-57.214 χ^2/NDF: 45.8/48



Right In: 650.538+/-0.153 χ^2/NDF: 2981711.8/20

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 723.150+/-0.159 χ^2/NDF: 2934505.1/25

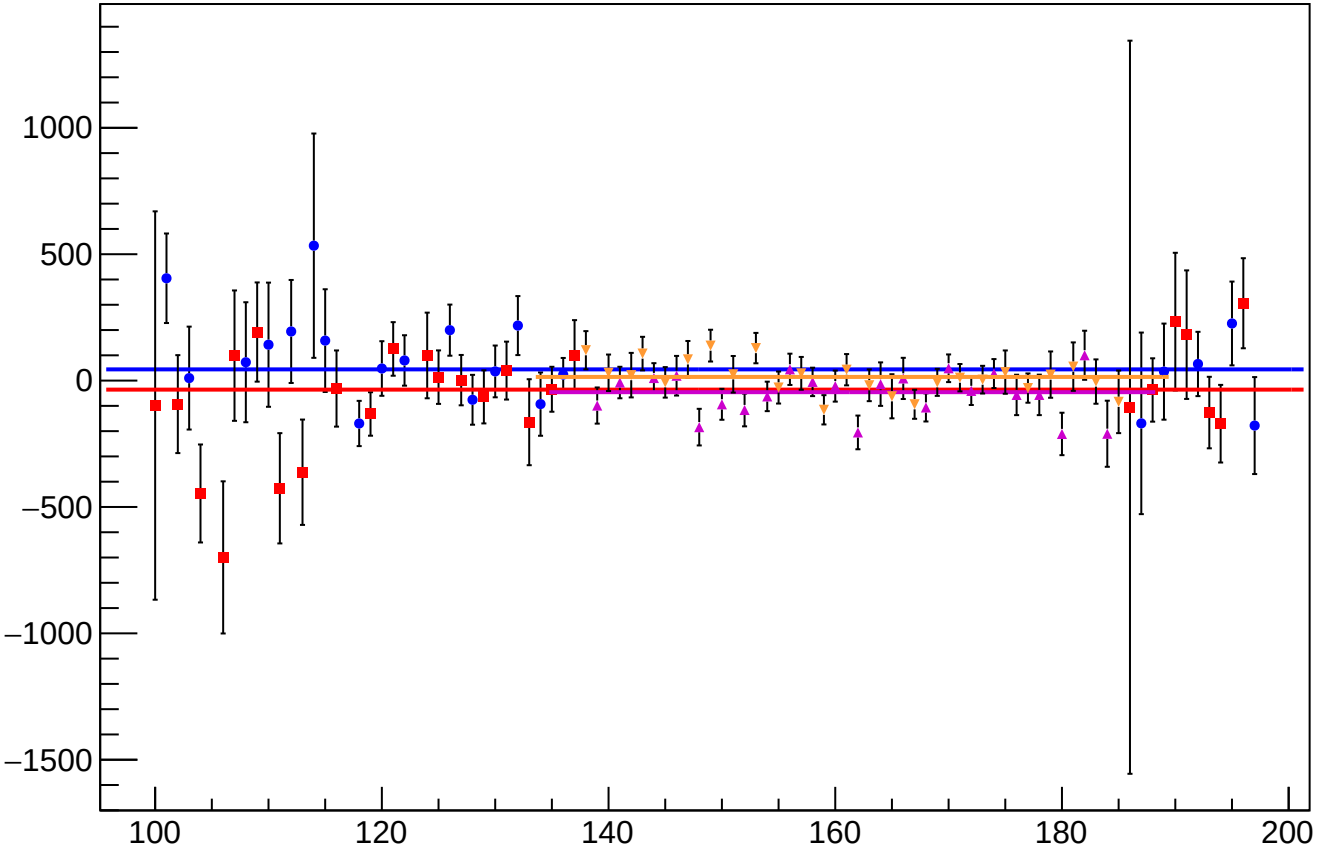
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 275.880+/-0.040 χ^2/NDF: 11083401.0/45

All: 276.873+/-0.028 χ^2/NDF: 23881748.0/94

- sign 277.907+/-0.040 χ^2/NDF: 12797066.3/48

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.381+/-27.965 χ^2/NDF: 22.5/20

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -35.699+/-28.385 χ^2/NDF: 29.9/25

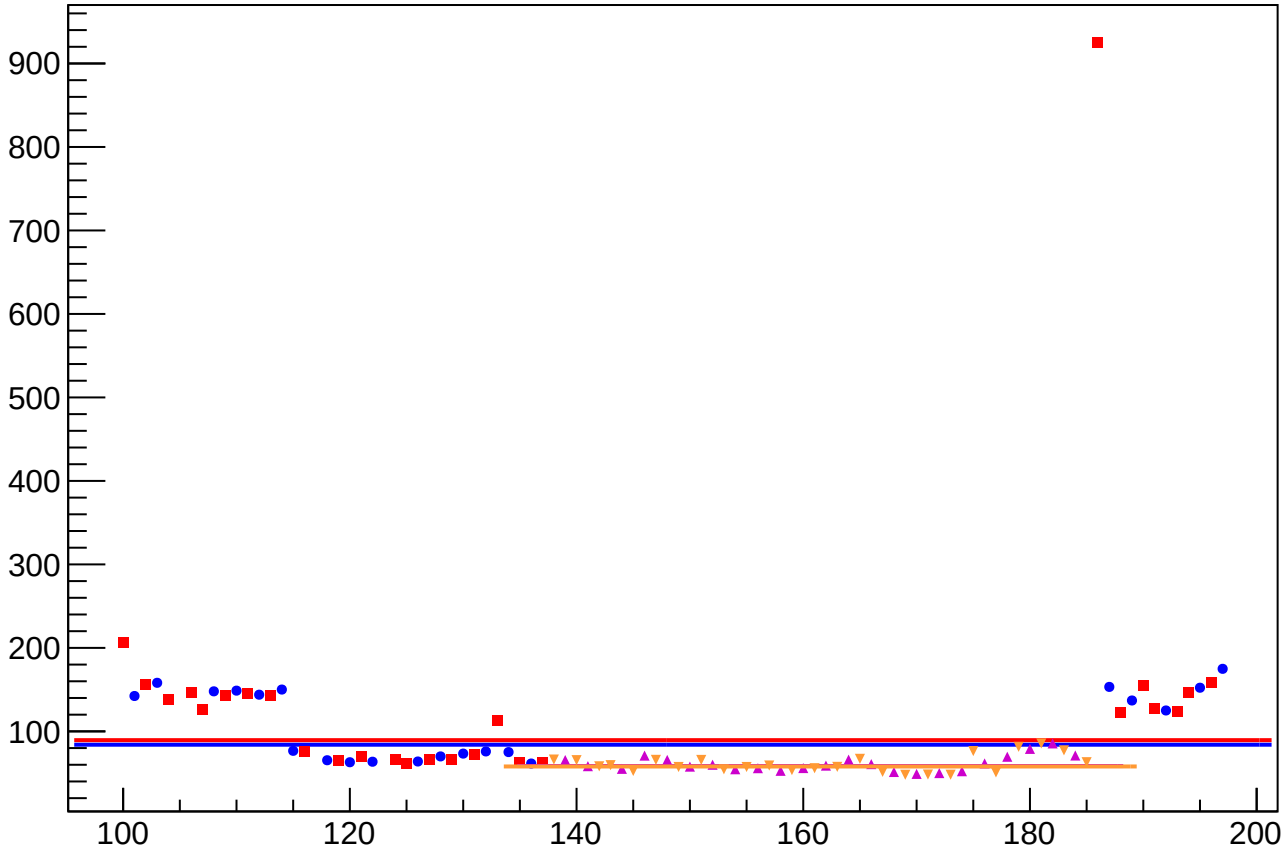
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 20.115+/-12.124 χ^2/NDF: 48.0/45

All: -10.872+/-8.705 χ^2/NDF: 122.2/94

- sign -43.844+/-12.506 χ^2/NDF: 60.7/48

dit_asym_sam_1526_avg_rms vs Slug



Right In: 84.034+/-0.020 χ^2/NDF: 2852072.7/20

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

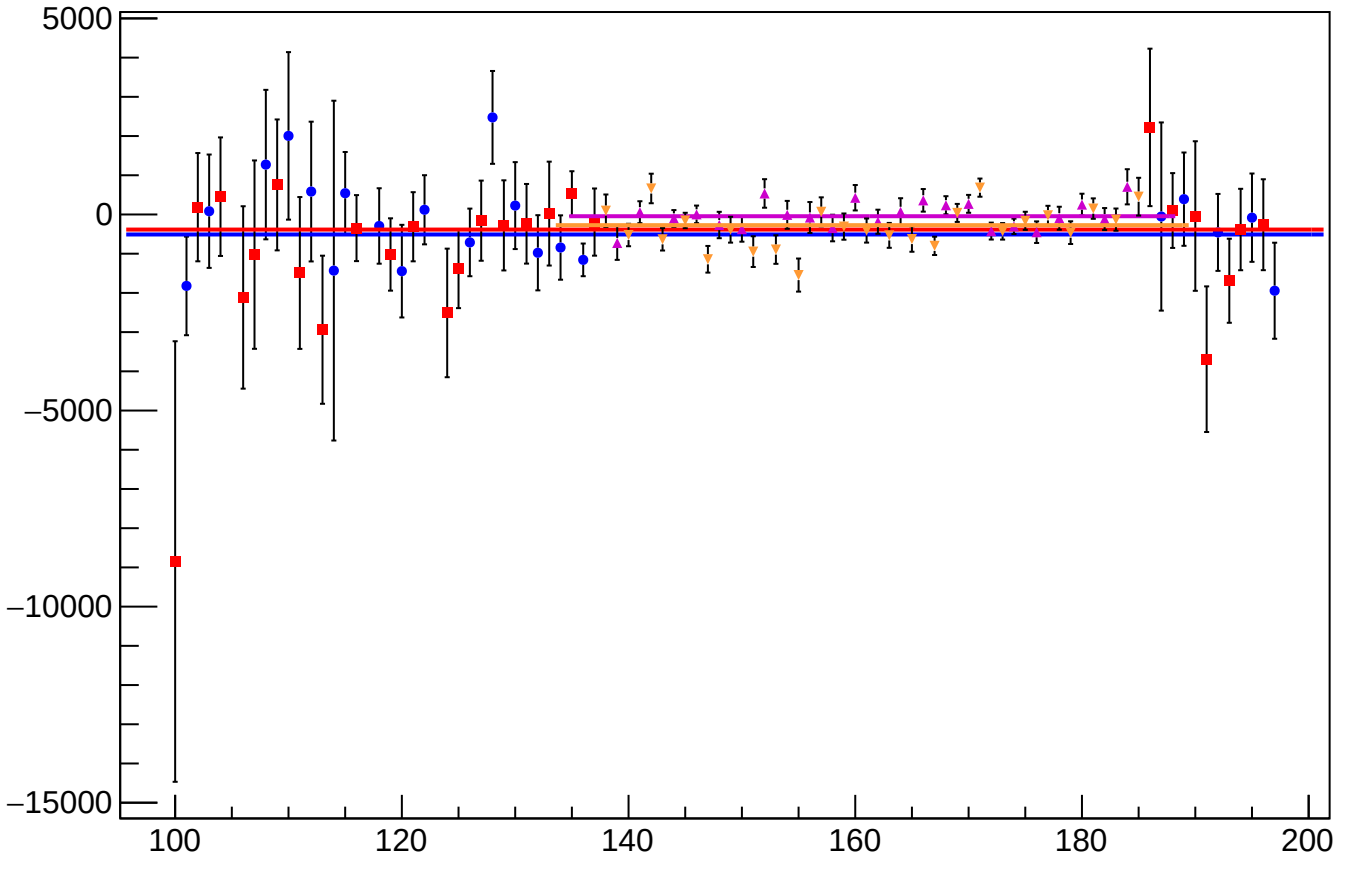
Right Out: 89.474+/-0.020 χ^2/NDF: 3543673.8/25

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 62.865+/-0.009 χ^2/NDF: 5160358.0/45

All: 63.655+/-0.006 χ^2/NDF: 11293234.5/94

- sign 64.496+/-0.009 χ^2/NDF: 6115353.9/48



Right In: -510.318+/-220.611 χ^2/NDF: 17.9/20

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -384.692+/-225.645 χ^2/NDF: 18.6/25

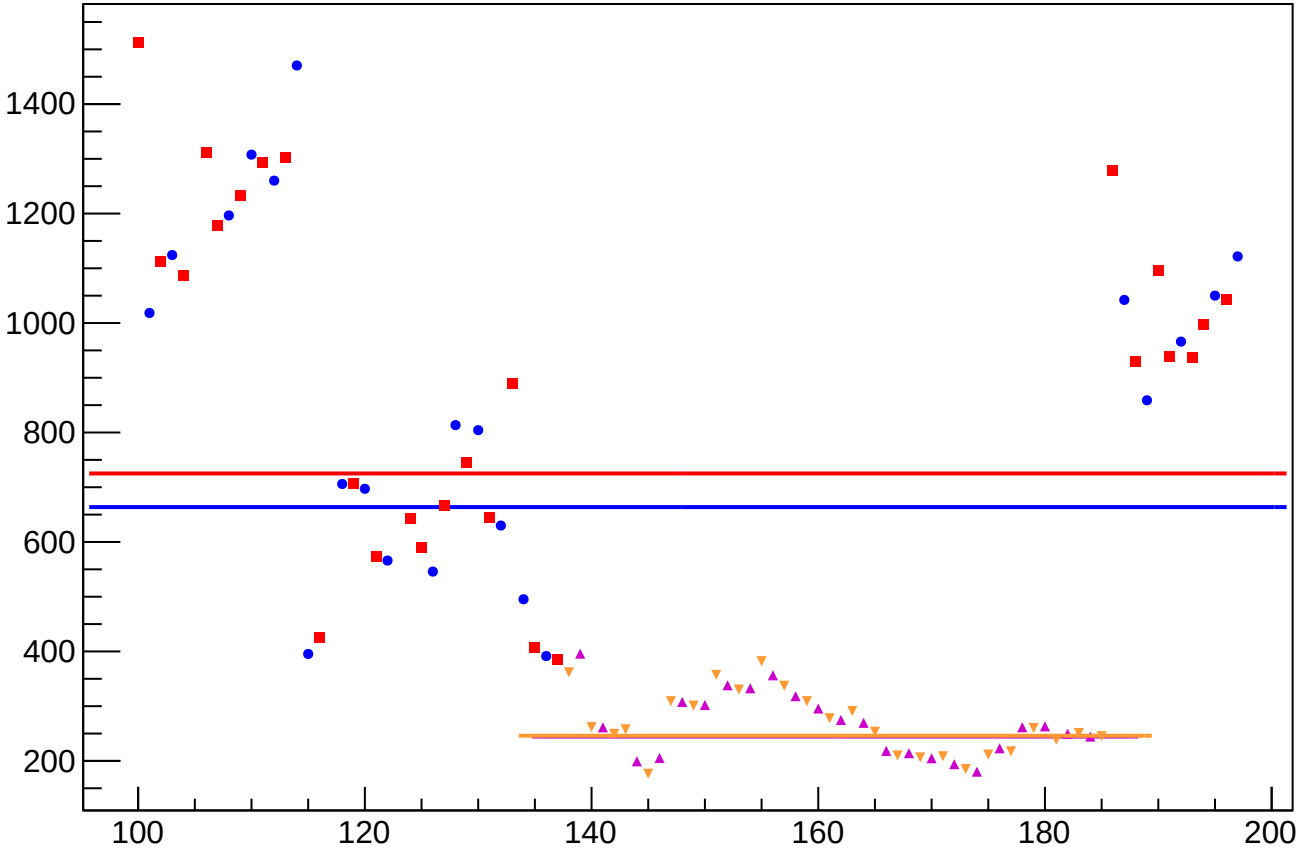
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -287.530+/-55.436 χ^2/NDF: 84.8/45

All: -179.348+/-39.649 χ^2/NDF: 139.8/94

- sign -66.054+/-56.731 χ^2/NDF: 47.2/48

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 663.720+/-0.156 χ^2/NDF: 3004622.4/20

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 725.164+/-0.160 χ^2/NDF: 3106382.7/25

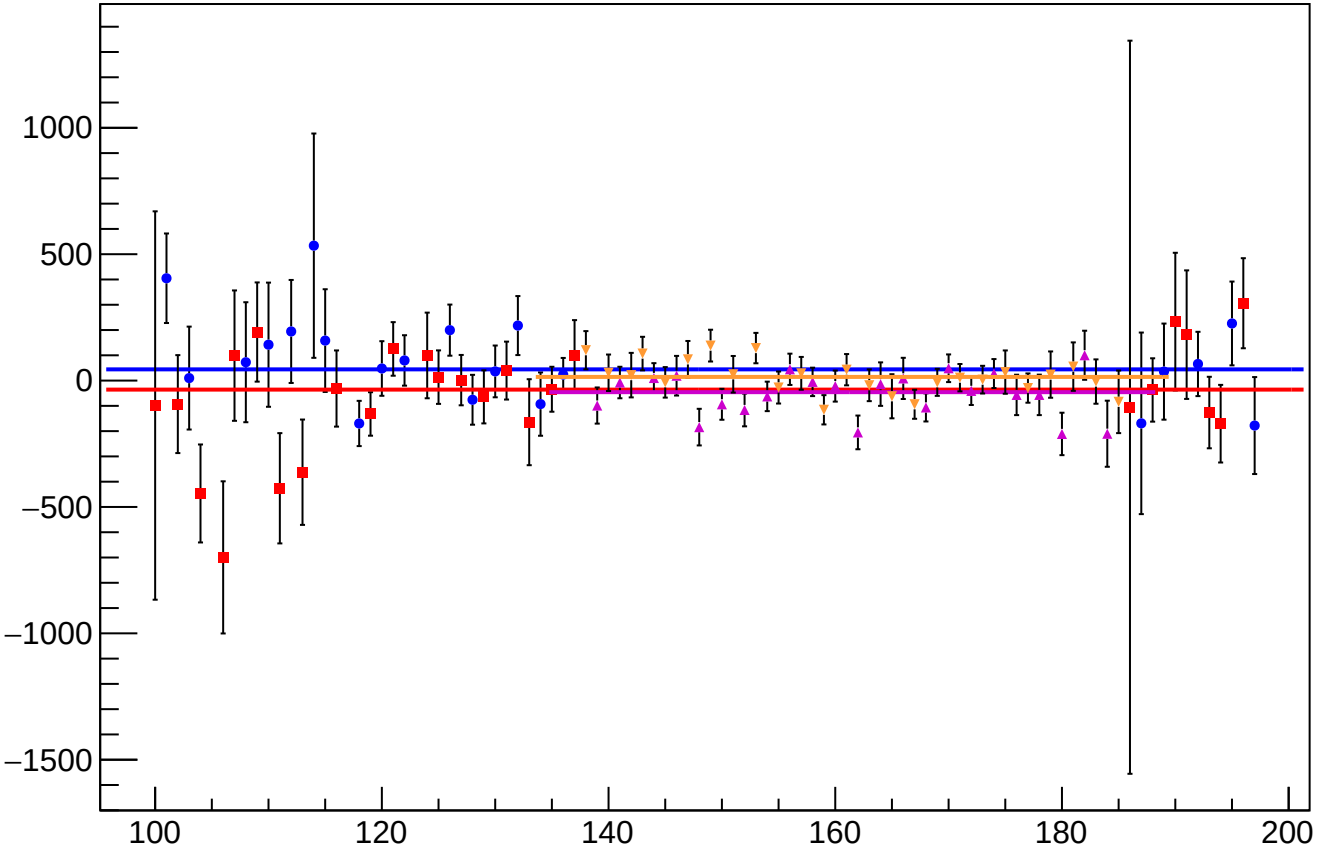
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

\+ sign 272.392+/-0.039 χ^2/NDF: 11402354.2/45

All: 273.586+/-0.028 χ^2/NDF: 24611051.7/94

\- sign 274.837+/-0.040 χ^2/NDF: 13206798.2/48

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.382+/-27.965 χ^2/NDF: 22.5/20

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -35.698+/-28.385 χ^2/NDF: 29.9/25

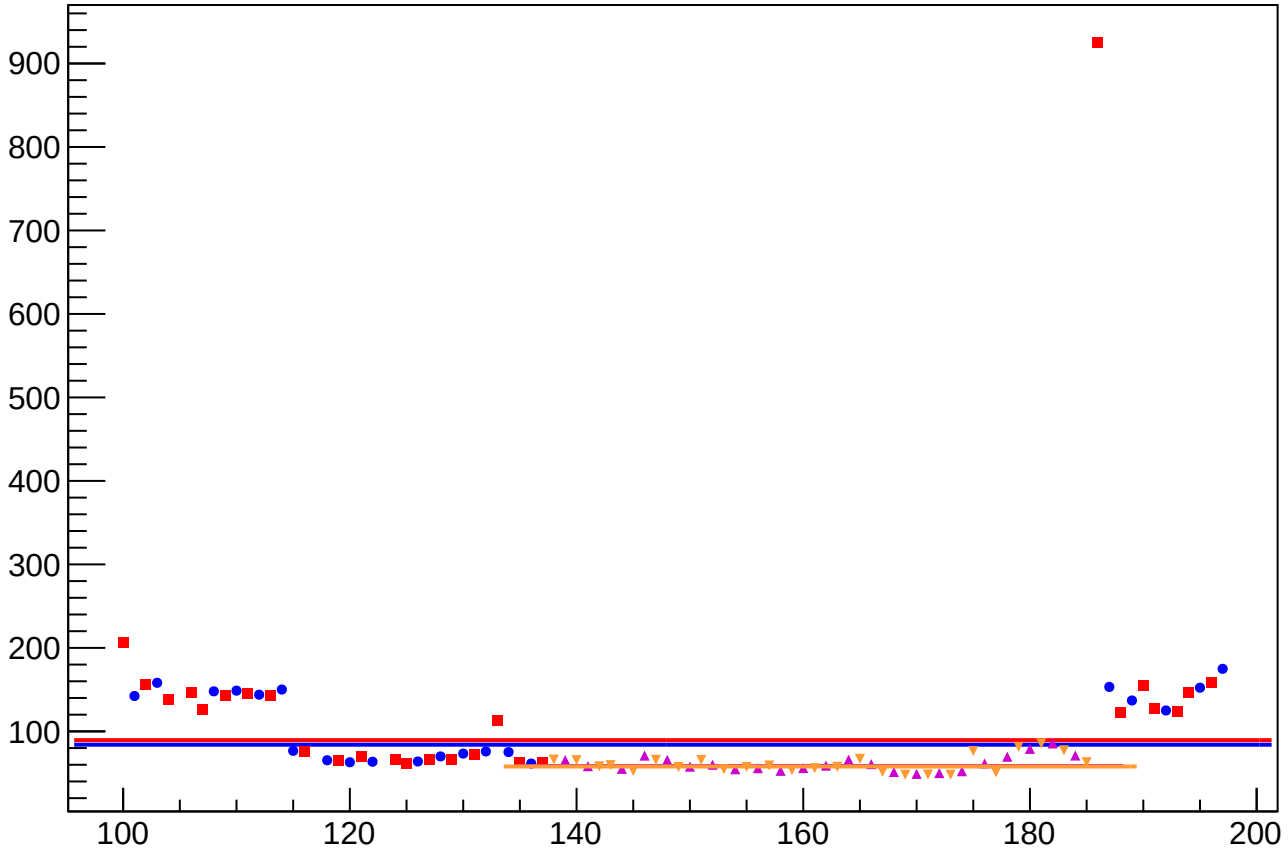
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 20.115+/-12.124 χ^2/NDF: 48.0/45

All: -10.872+/-8.705 χ^2/NDF: 122.2/94

- sign -43.843+/-12.506 χ^2/NDF: 60.7/48

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 84.034+/-0.020 χ^2/NDF: 2852068.1/20

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

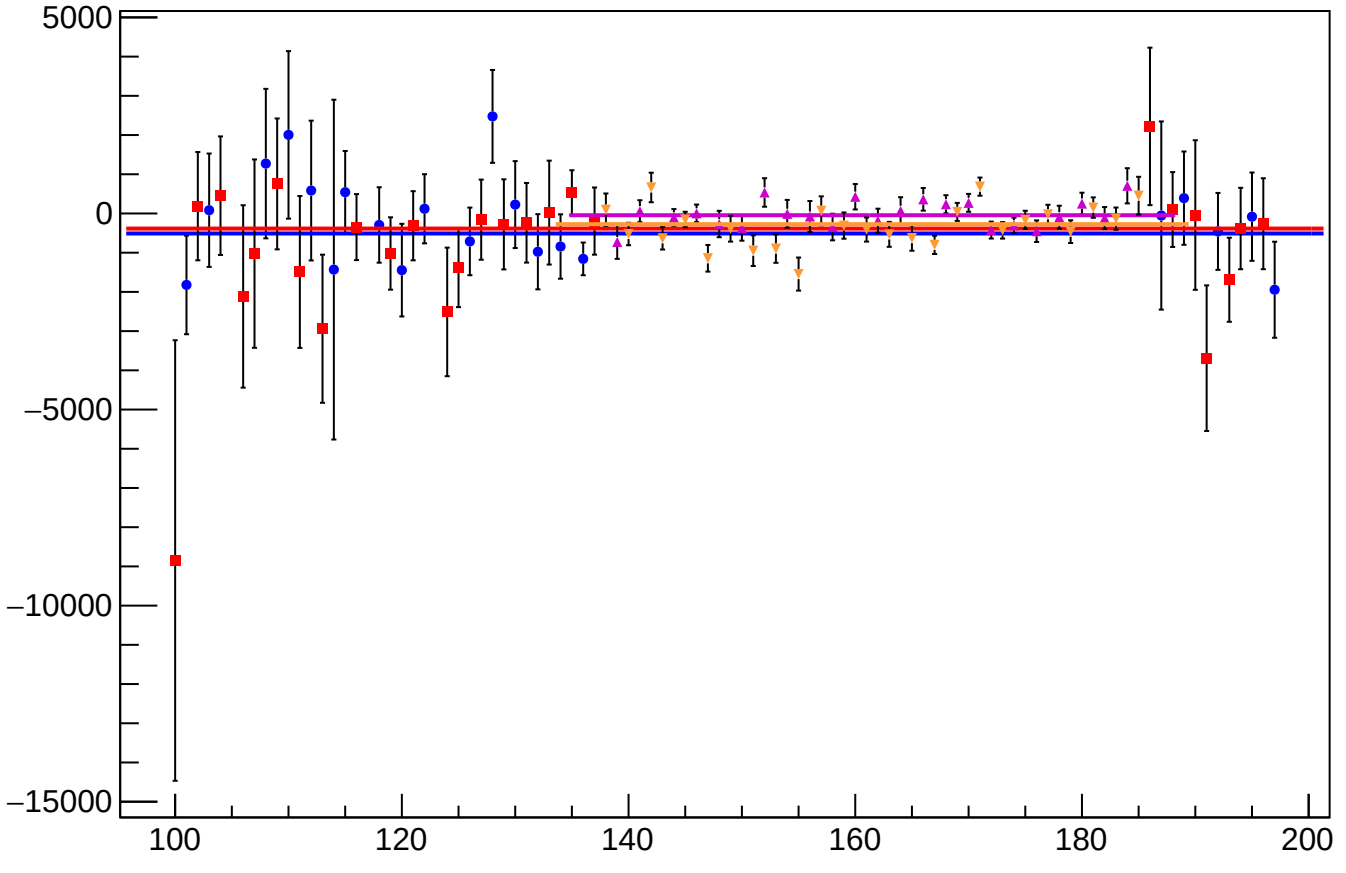
Right Out: 89.474+/-0.020 χ^2/NDF: 3543677.3/25

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 62.865+/-0.009 χ^2/NDF: 5160320.6/45

All: 63.655+/-0.006 χ^2/NDF: 11293143.0/94

- sign 64.496+/-0.009 χ^2/NDF: 6115298.3/48



Right In: -510.316+/-220.611 χ^2/NDF: 17.9/20

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

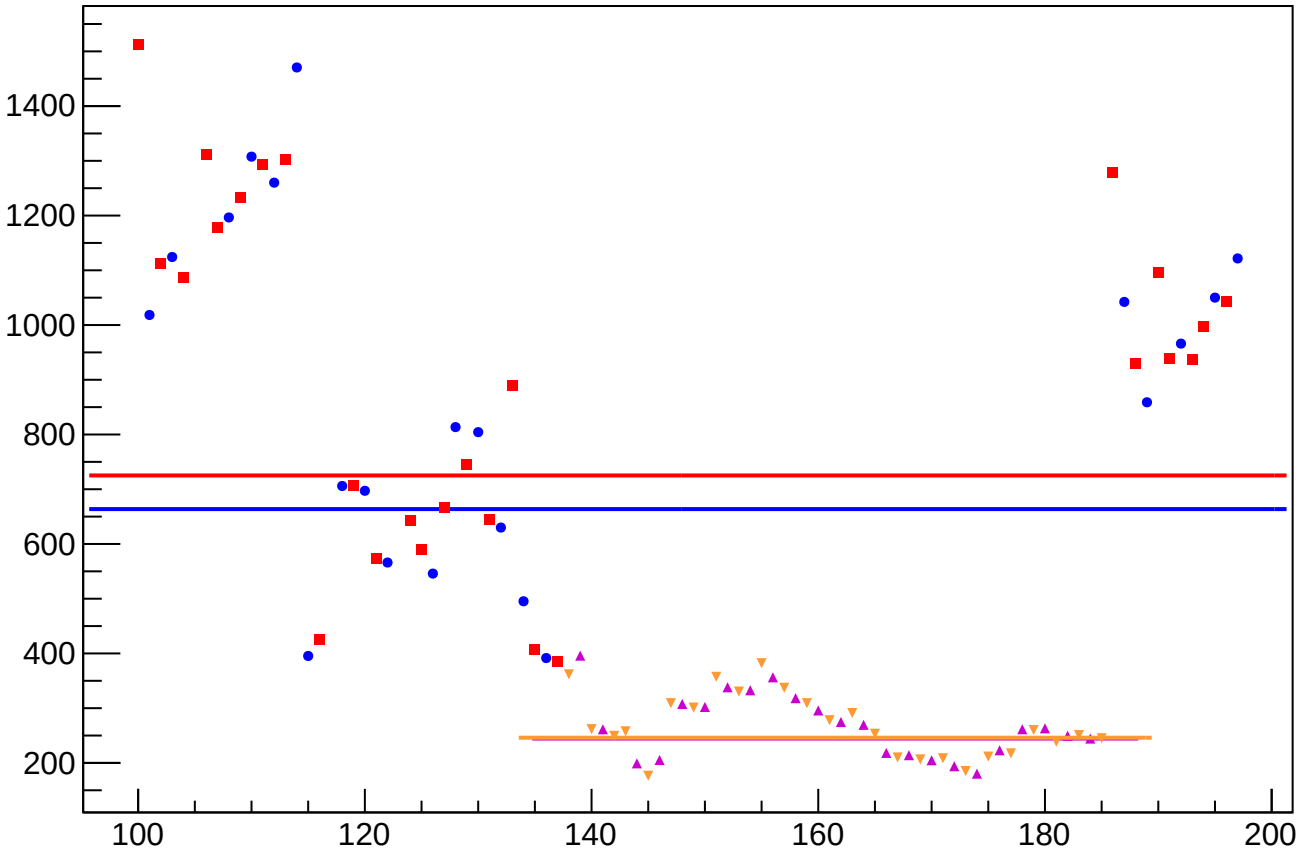
Right Out: -384.693+/-225.645 χ^2/NDF: 18.6/25

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -287.528+/-55.436 χ^2/NDF: 84.8/45

All: -179.348+/-39.649 χ^2/NDF: 139.8/94

- sign -66.053+/-56.731 χ^2/NDF: 47.2/48



Right In: 663.720+/-0.156 χ^2/NDF: 3004605.9/20

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 725.164+/-0.160 χ^2/NDF: 3106365.4/25

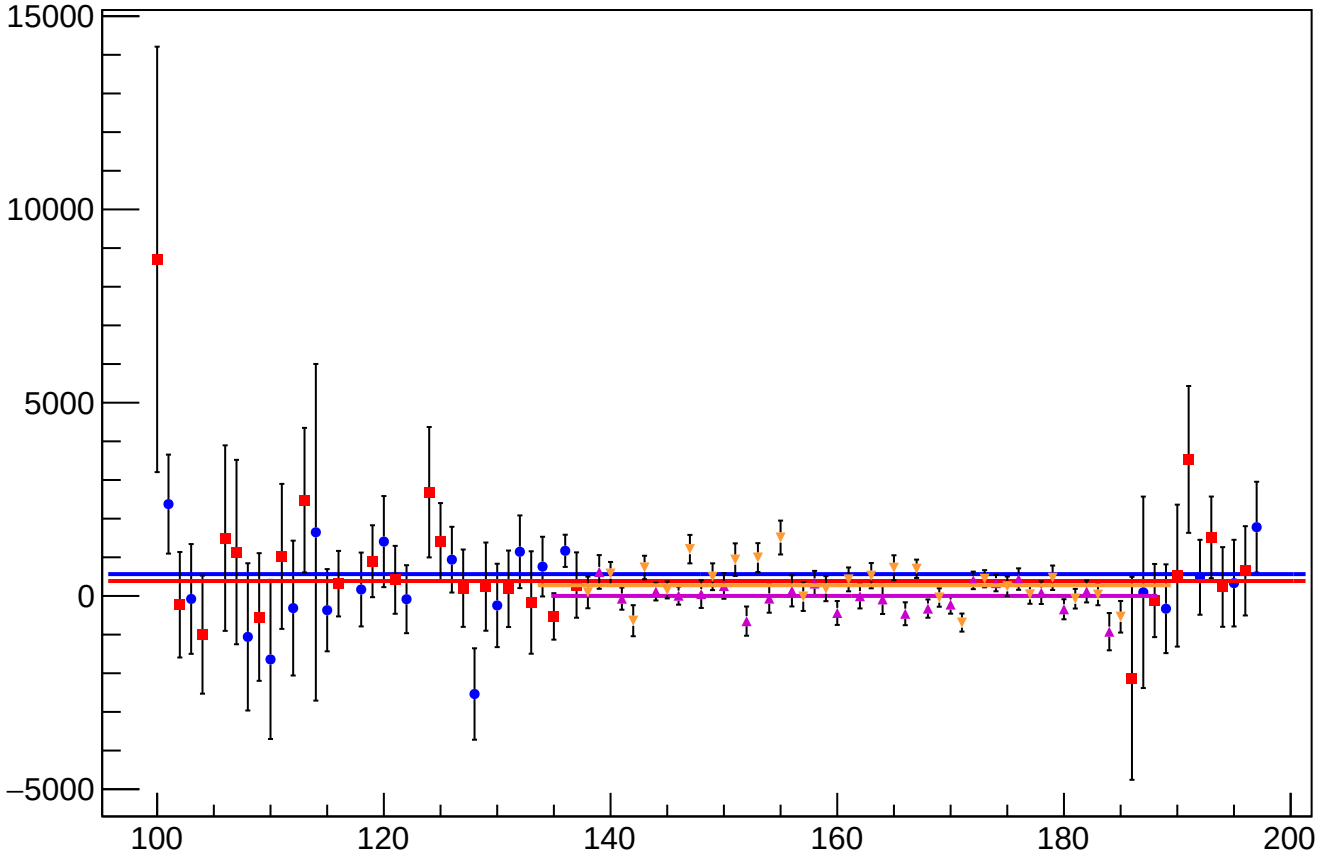
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 272.392+/-0.039 χ^2/NDF: 11402351.6/45

All: 273.586+/-0.028 χ^2/NDF: 24611031.0/94

- sign 274.836+/-0.040 χ^2/NDF: 13206779.7/48

asym_sam_1526_avg_mean vs Slug



Right In: 564.915+/-218.094 χ^2/NDF: 18.3/20

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 386.623+/-226.931 χ^2/NDF: 16.3/25

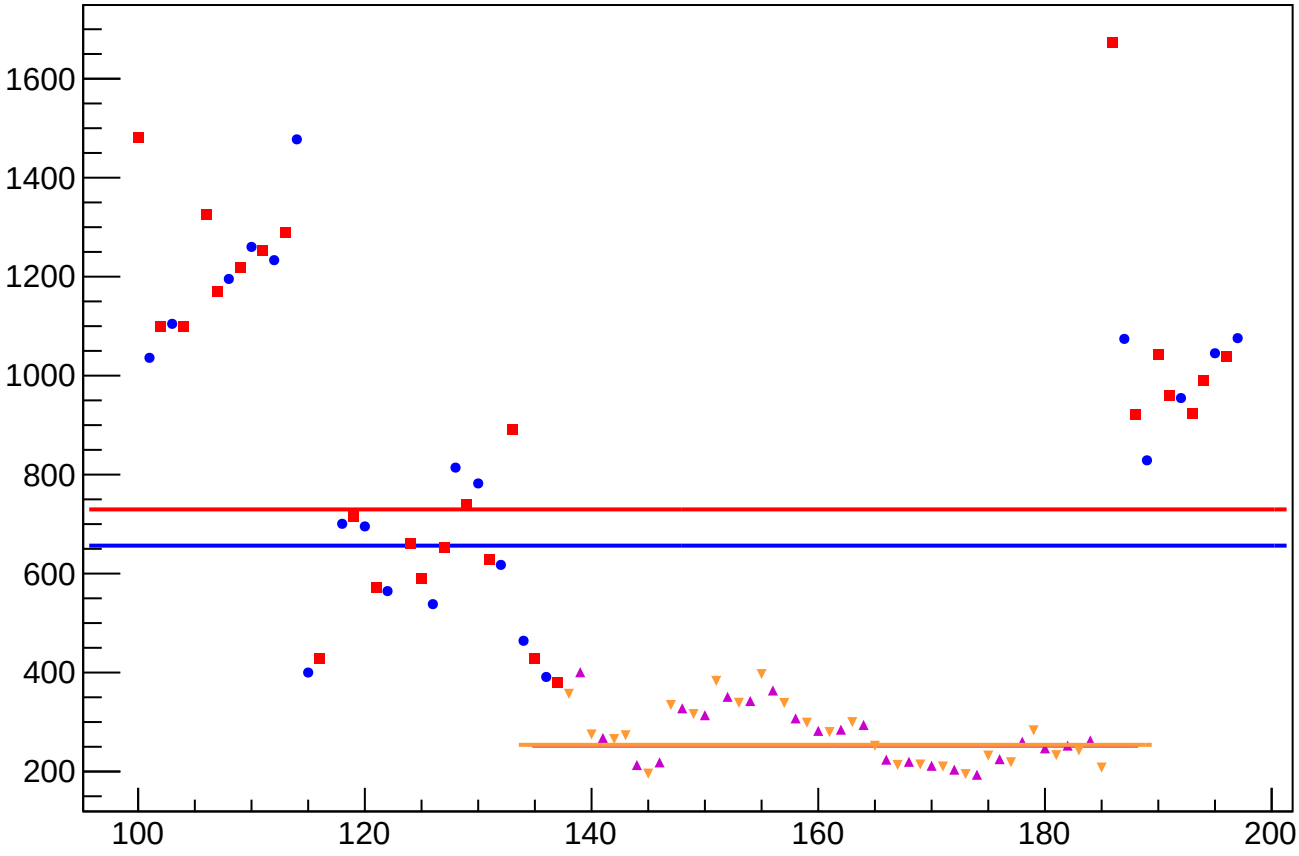
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 296.798+/-57.086 χ^2/NDF: 84.0/45

All: 164.343+/-40.798 χ^2/NDF: 142.1/94

- sign 26.061+/-58.328 χ^2/NDF: 47.1/48

asym_sam_1526_avg_rms vs Slug



Right In: 656.451+/-0.154 χ^2/NDF: 2968131.9/20

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

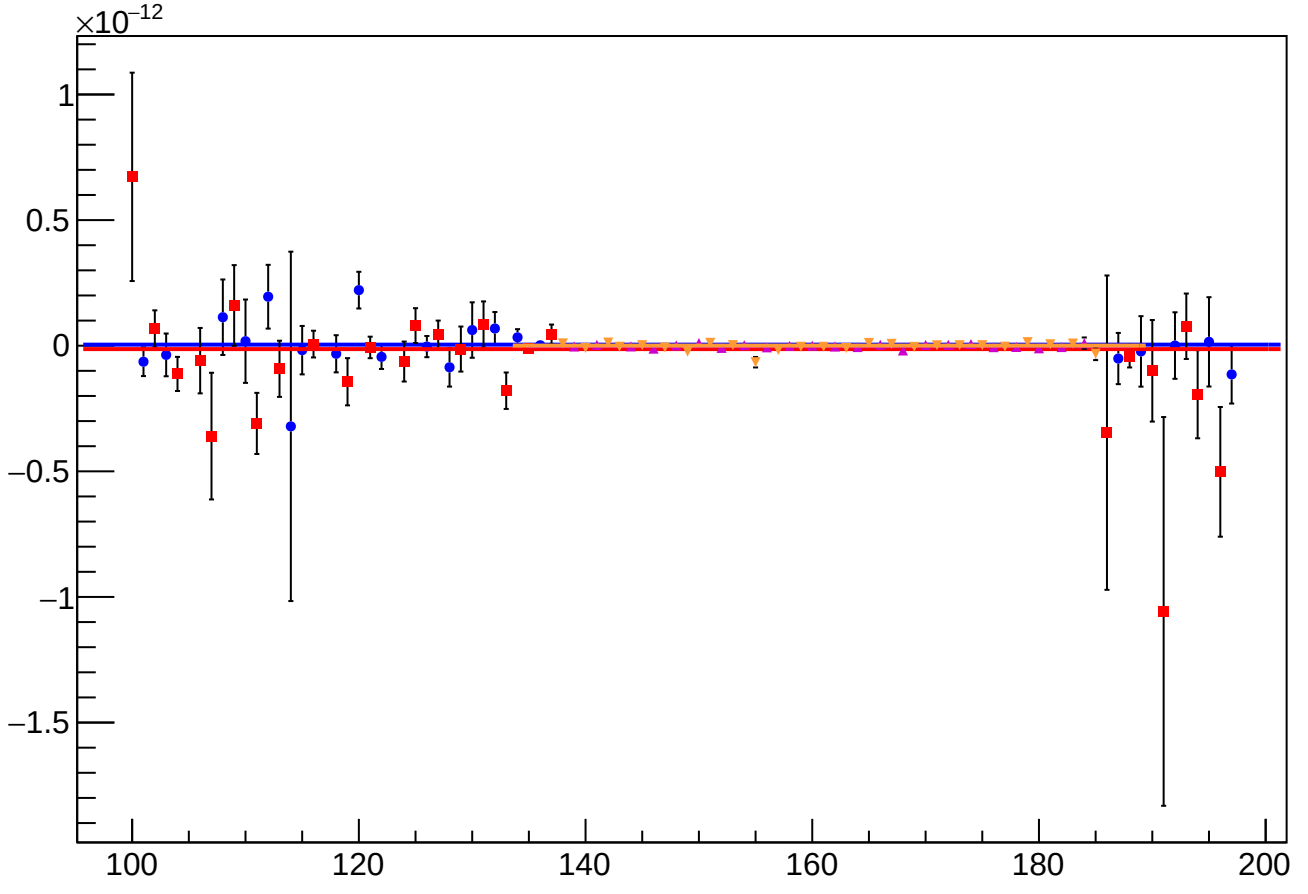
Right Out: 729.650+/-0.160 χ^2/NDF: 3033955.8/25

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 281.530+/-0.040 χ^2/NDF: 10904119.7/45

All: 282.699+/-0.029 χ^2/NDF: 23613630.4/94

- sign 283.920+/-0.041 χ^2/NDF: 12707795.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

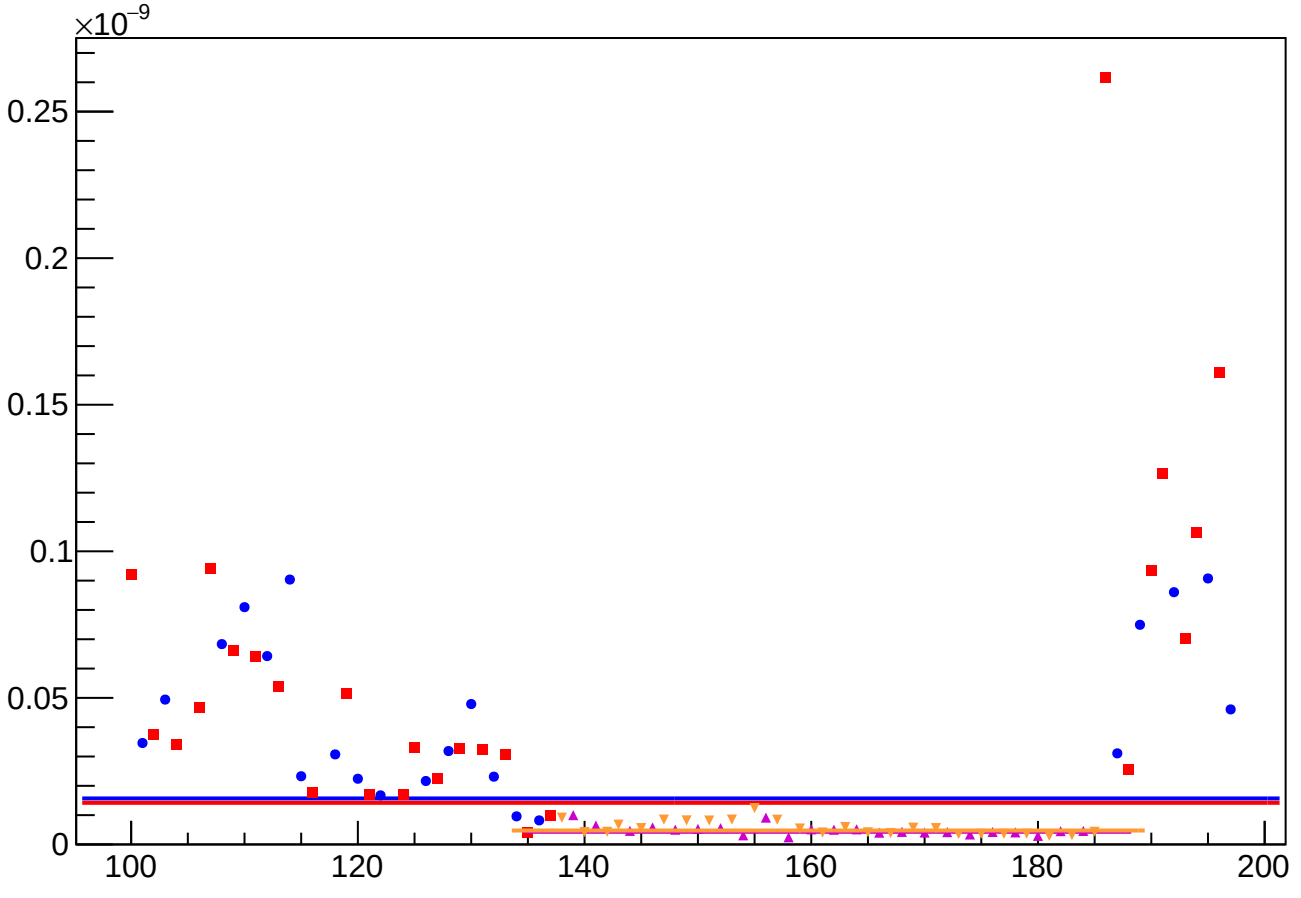
Right Out: -0.000+/-0.000 χ^2/NDF: 37.3/25

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.7/45

All: -0.000+/-0.000 χ^2/NDF: 100.3/94

- sign -0.000+/-0.000 χ^2/NDF: 52.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 3991960.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5891531.7/25

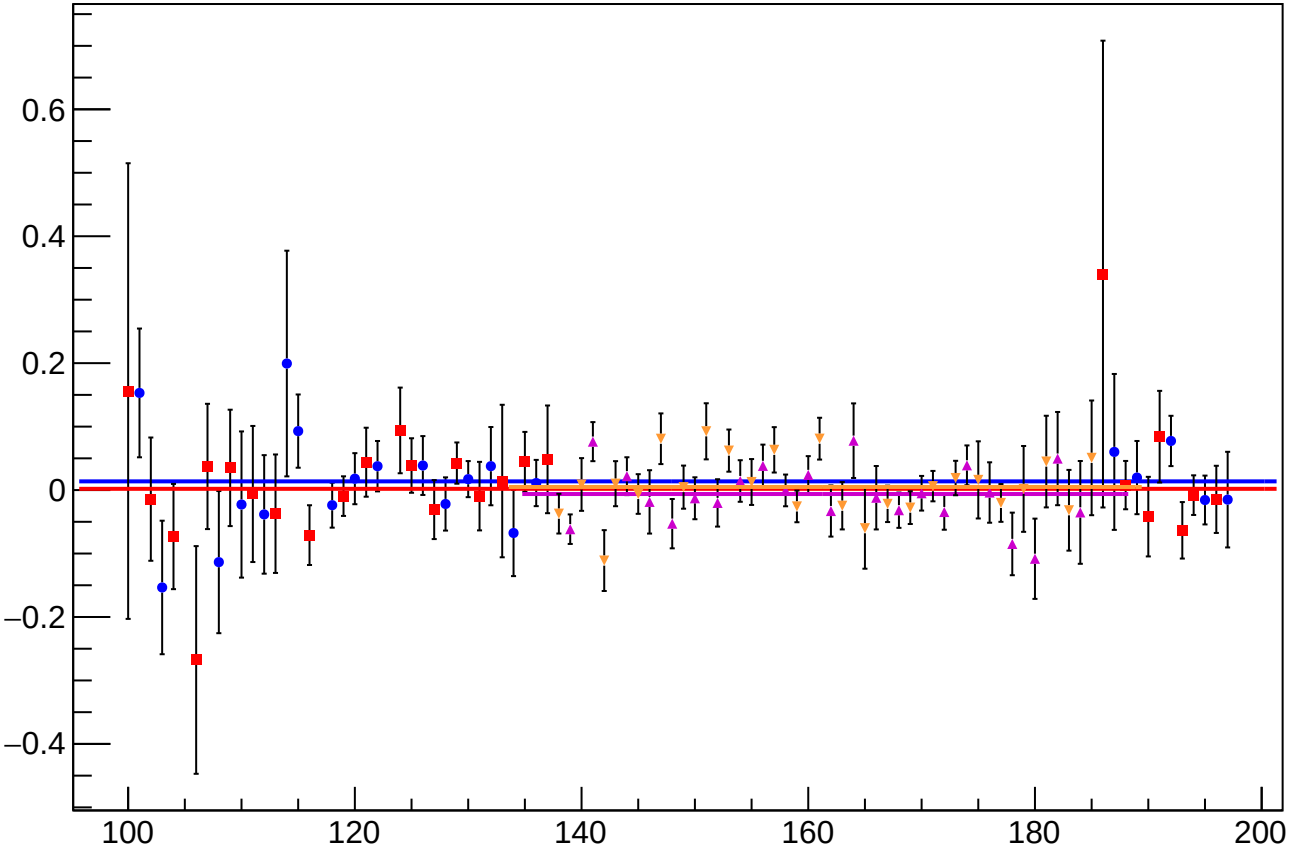
Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7765045.9/45

All: 0.000+/-0.000 χ^2/NDF: 16527053.0/94

- sign 0.000+/-0.000 χ^2/NDF: 8694484.6/48

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.011 χ^2/NDF: 16.7/20

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.002+/-0.011 χ^2/NDF: 17.7/25

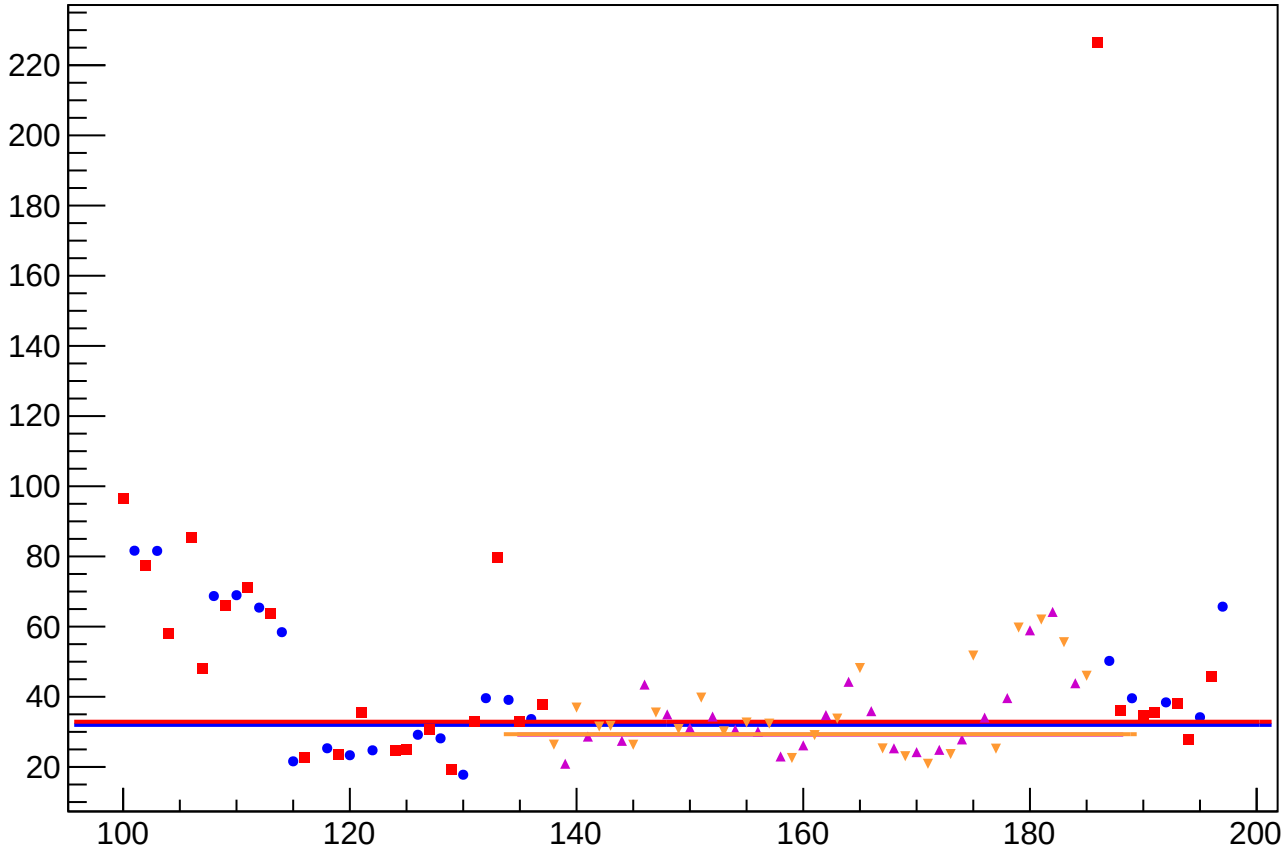
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.1/45

All: 0.002+/-0.004 χ^2/NDF: 101.9/94

- sign -0.004+/-0.006 χ^2/NDF: 49.1/48

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.996+/-0.008 χ^2/NDF: 3056392.0/20

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

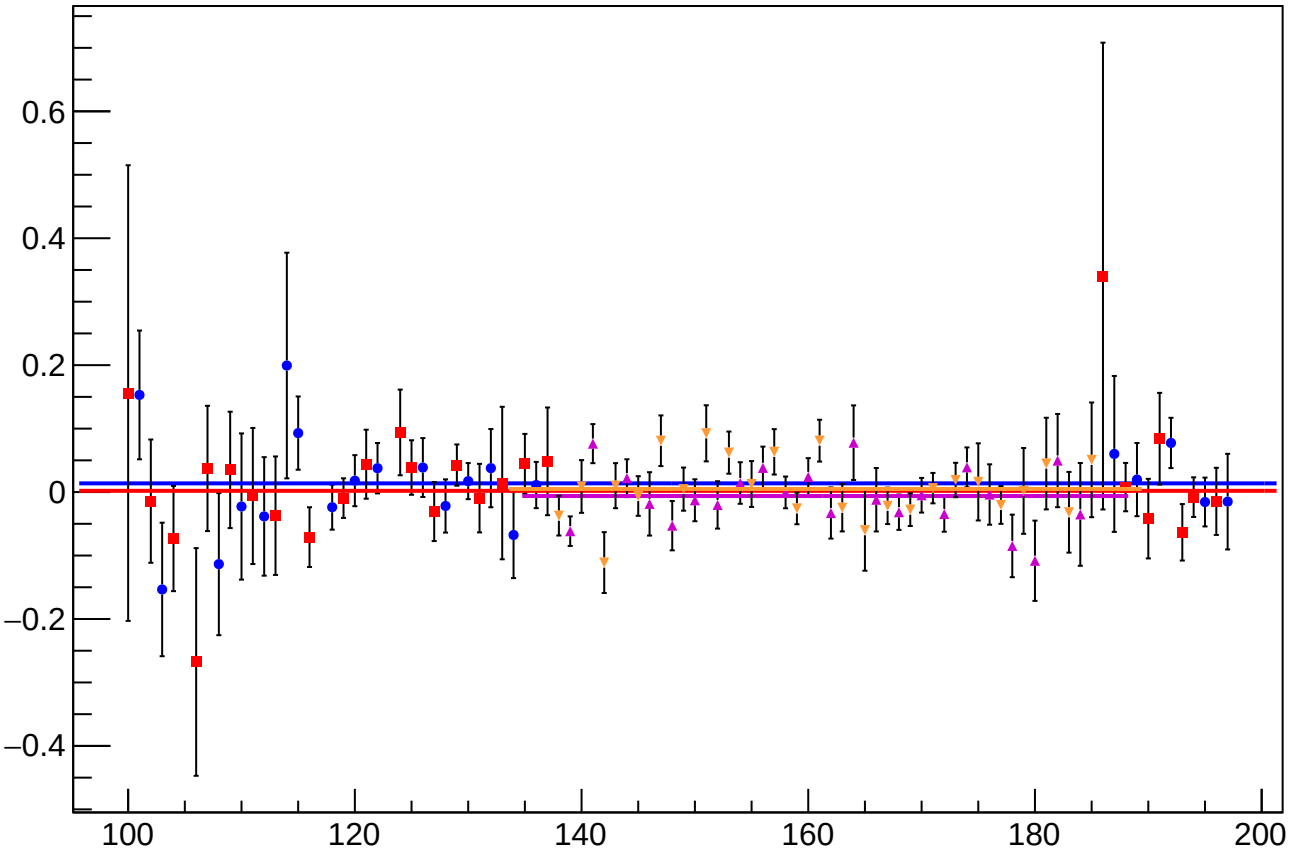
Right Out: 32.895+/-0.008 χ^2/NDF: 3439107.4/25

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.116+/-0.004 χ^2/NDF: 5825503.9/45

All: 30.249+/-0.003 χ^2/NDF: 11525186.9/94

- sign 30.383+/-0.004 χ^2/NDF: 5697695.7/48



Right In: 0.014+/-0.011 χ^2/NDF: 16.7/20

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

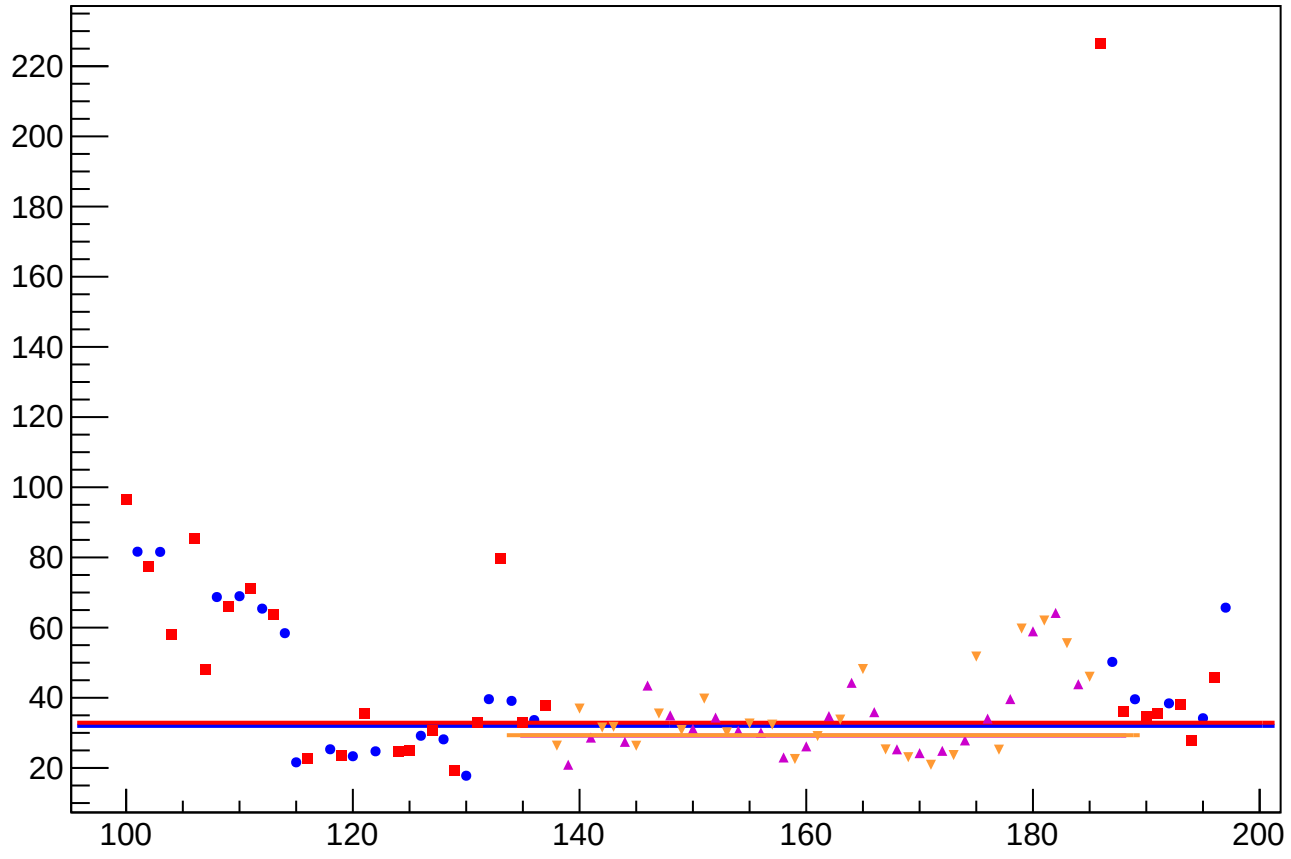
Right Out: 0.002+/-0.011 χ^2/NDF: 17.7/25

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.1/45

All: 0.002+/-0.004 χ^2/NDF: 101.9/94

- sign -0.004+/-0.006 χ^2/NDF: 49.1/48



Right In: 31.996+/-0.008 χ^2/NDF: 3056392.0/20

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

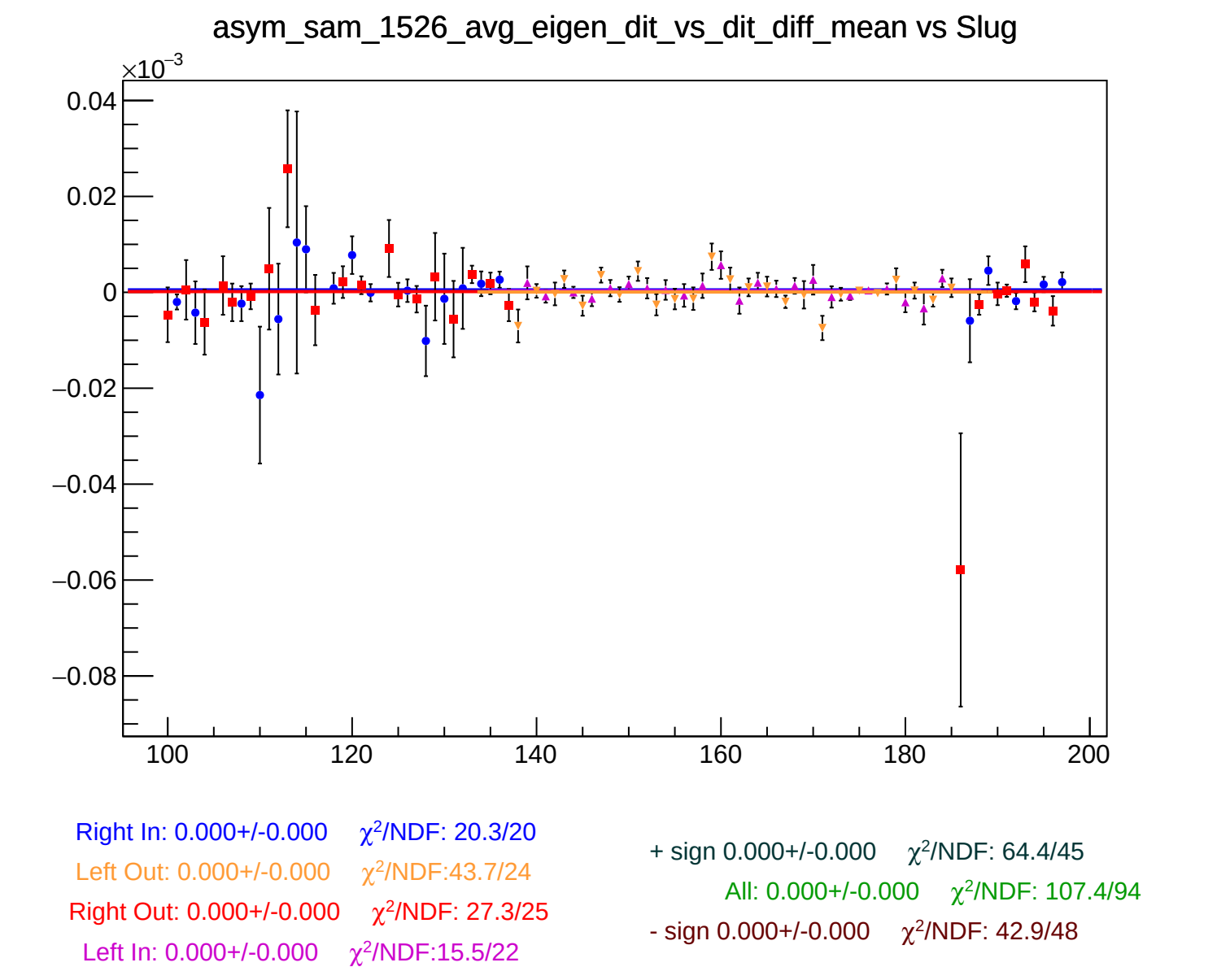
Right Out: 32.895+/-0.008 χ^2/NDF: 3439107.4/25

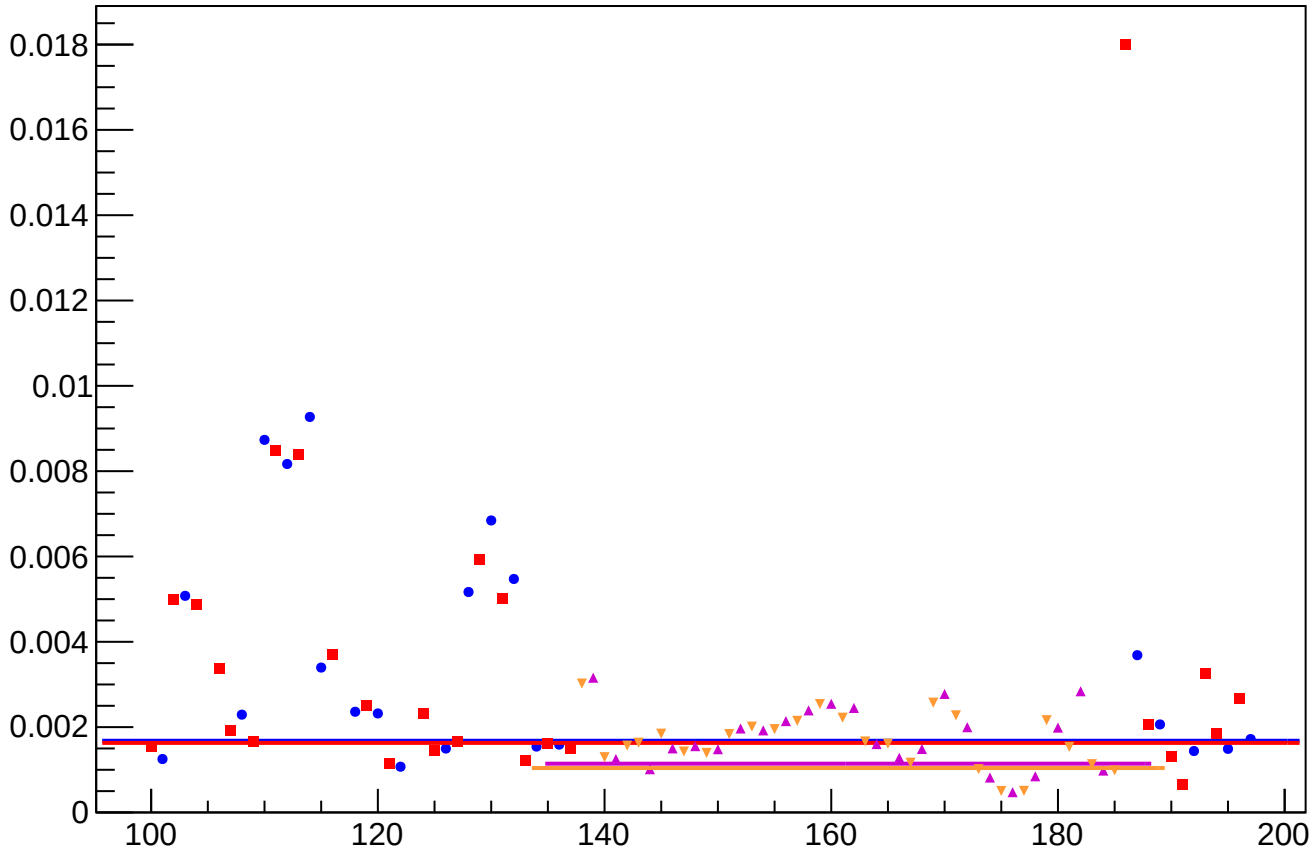
Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.116+/-0.004 χ^2/NDF: 5825503.9/45

All: 30.249+/-0.003 χ^2/NDF: 11525186.9/94

- sign 30.383+/-0.004 χ^2/NDF: 5697695.7/48


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: 20.3/20
Left Out: 0.000+/-0.000 χ²/NDF:43.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.3/25
Left In: 0.000+/-0.000 χ²/NDF:15.5/22
+ sign 0.000+/-0.000 χ²/NDF: 64.4/45
All: 0.000+/-0.000 χ²/NDF: 107.4/94
- sign 0.000+/-0.000 χ²/NDF: 42.9/48



Right In: 0.002+/-0.000 χ^2/NDF: 4148767.8/20

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

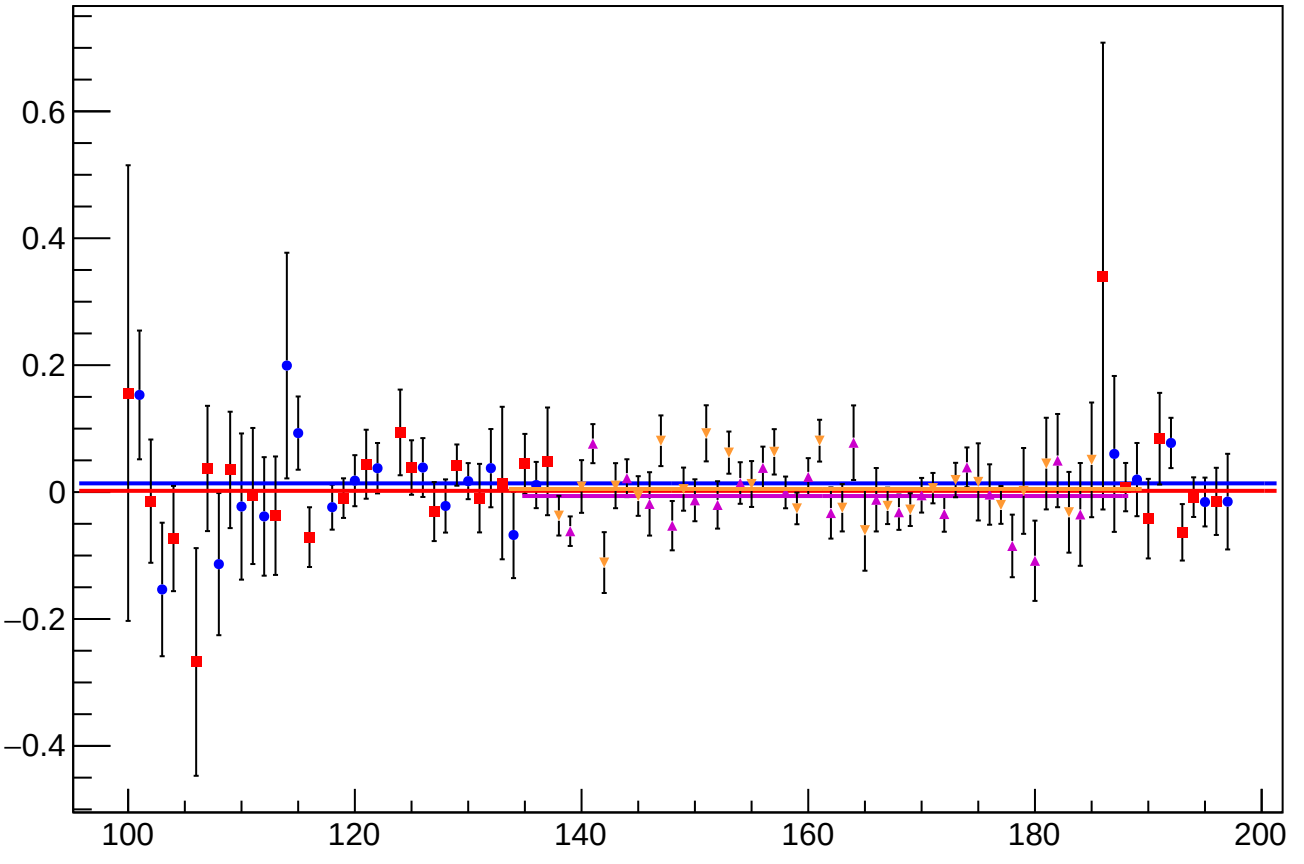
Right Out: 0.002+/-0.000 χ^2/NDF: 6403039.7/25

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 15868711.6/45

All: 0.001+/-0.000 χ^2/NDF: 31842837.5/94

- sign 0.001+/-0.000 χ^2/NDF: 15831003.3/48



Right In: 0.014+/-0.011 χ^2/NDF: 16.7/20

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.002+/-0.011 χ^2/NDF: 17.7/25

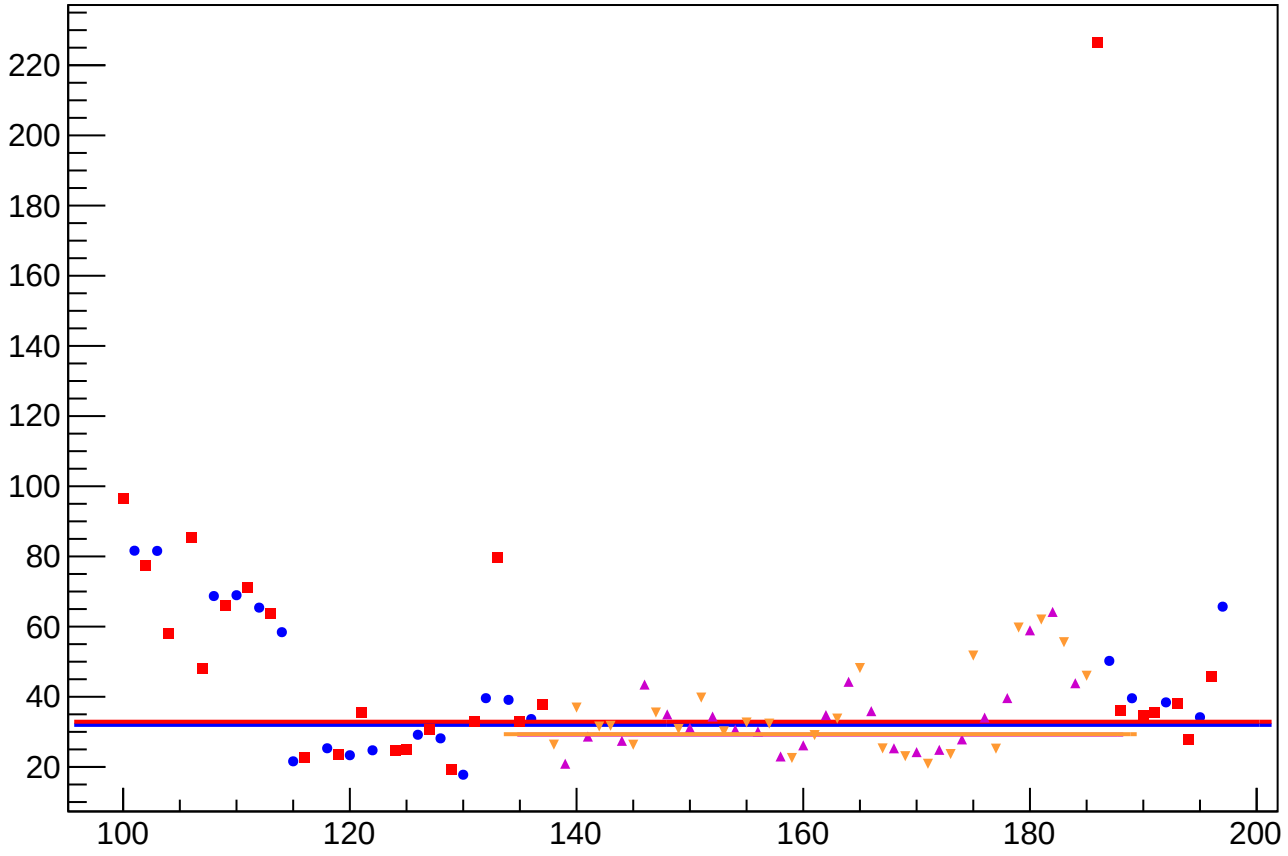
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.007+/-0.006 χ^2/NDF: 51.1/45

All: 0.002+/-0.004 χ^2/NDF: 101.9/94

- sign -0.004+/-0.006 χ^2/NDF: 49.1/48

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.995+/-0.008 χ^2/NDF: 3056671.3/20

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

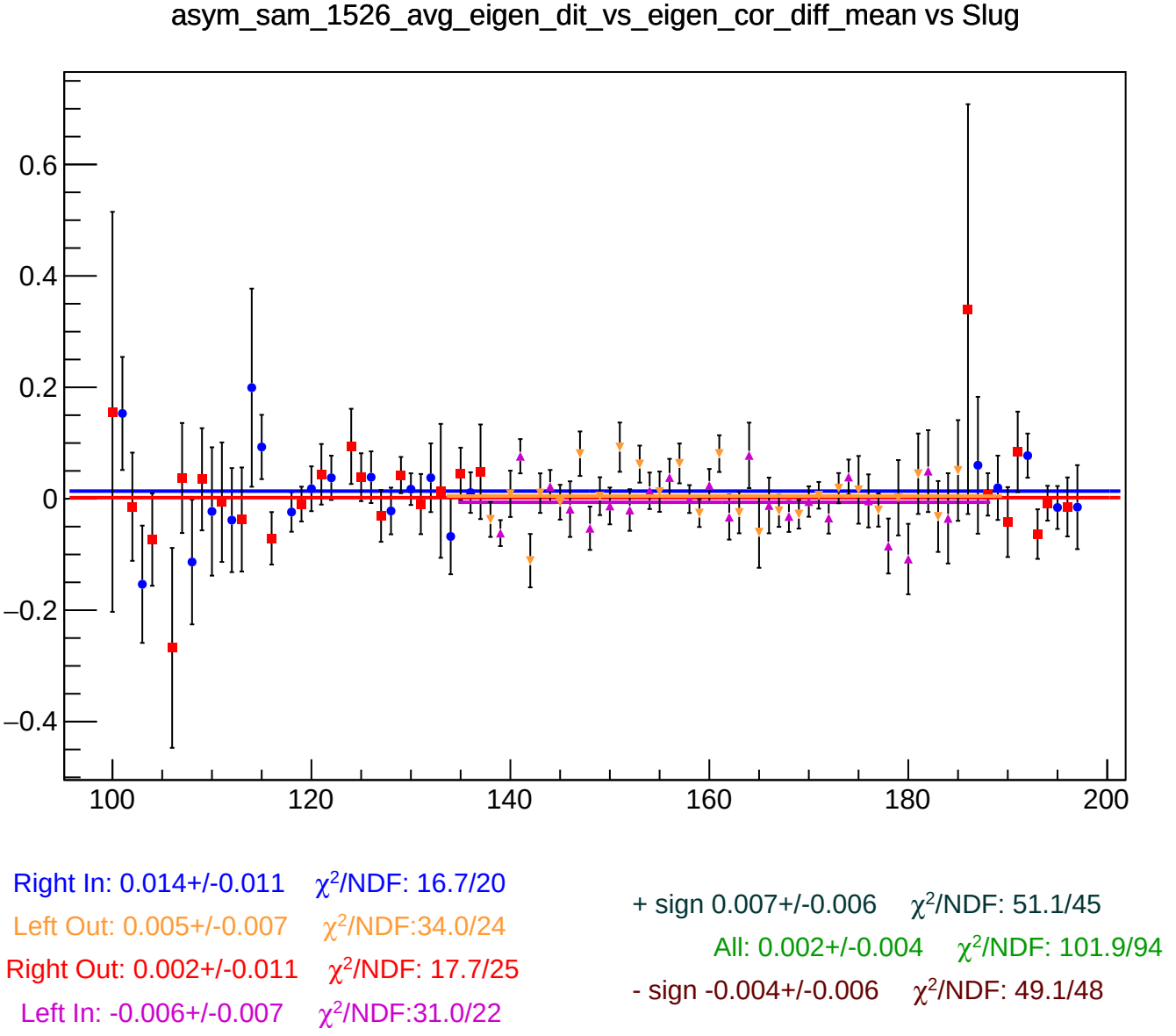
Right Out: 32.894+/-0.008 χ^2/NDF: 3439292.9/25

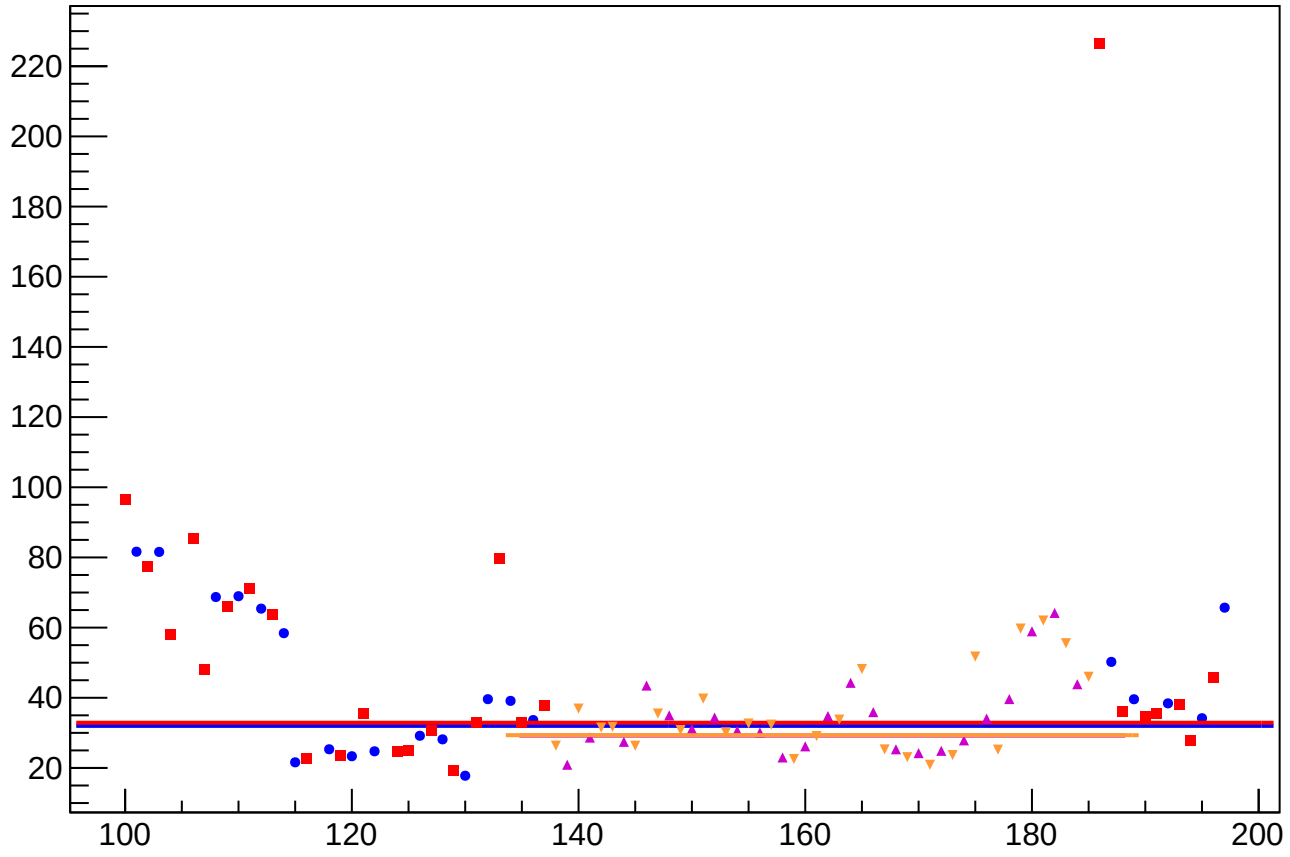
Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.116+/-0.004 χ^2/NDF: 5825748.4/45

All: 30.249+/-0.003 χ^2/NDF: 11525478.1/94

- sign 30.383+/-0.004 χ^2/NDF: 5697739.3/48


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.014+/-0.011 χ²/NDF: 16.7/20
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: 0.002+/-0.011 χ²/NDF: 17.7/25
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.007+/-0.006 χ²/NDF: 51.1/45
All: 0.002+/-0.004 χ²/NDF: 101.9/94
- sign -0.004+/-0.006 χ²/NDF: 49.1/48



Right In: 31.995+/-0.008 χ^2/NDF: 3056671.3/20

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

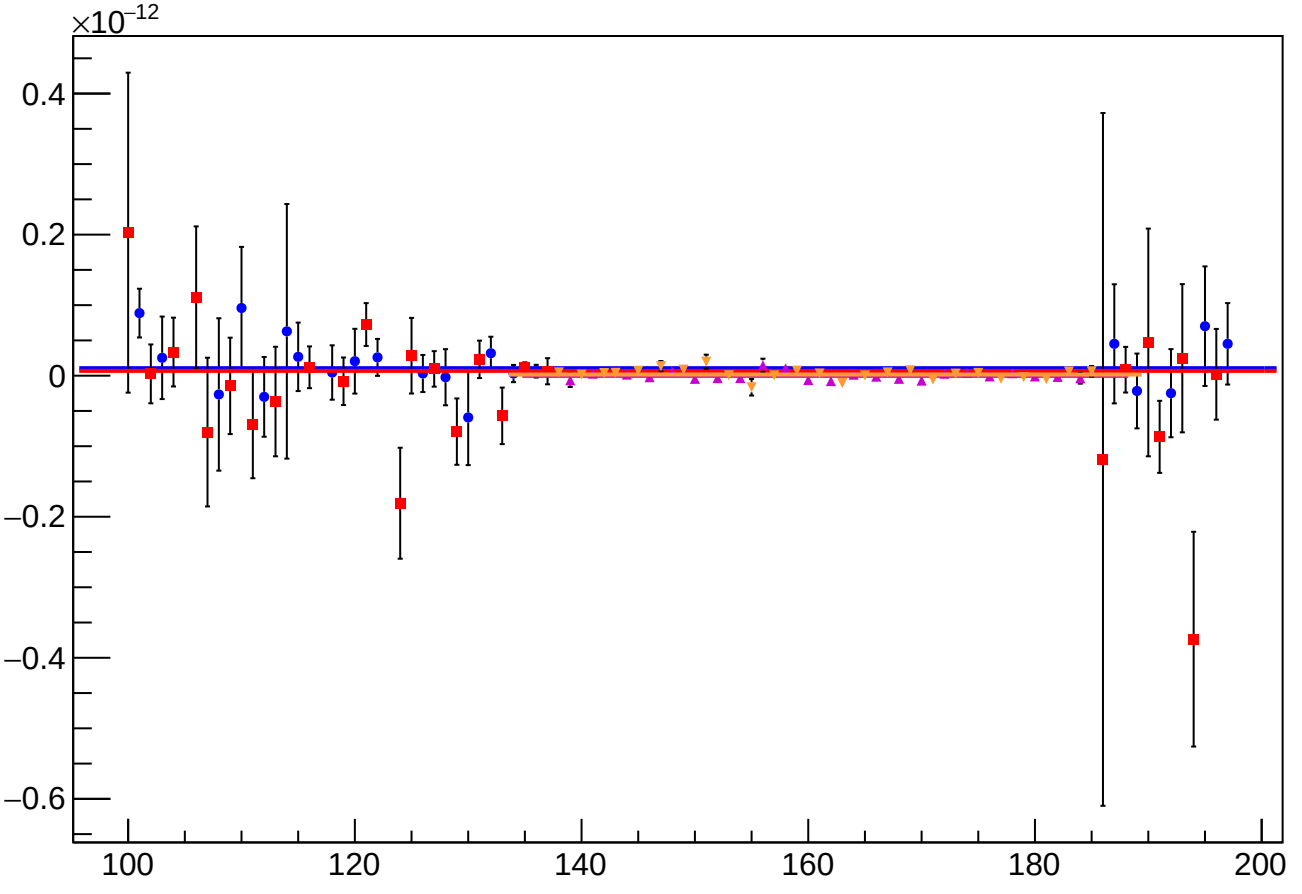
Right Out: 32.894+/-0.008 χ^2/NDF: 3439292.9/25

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.116+/-0.004 χ^2/NDF: 5825748.4/45

All: 30.249+/-0.003 χ^2/NDF: 11525478.1/94

- sign 30.383+/-0.004 χ^2/NDF: 5697739.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.3/25

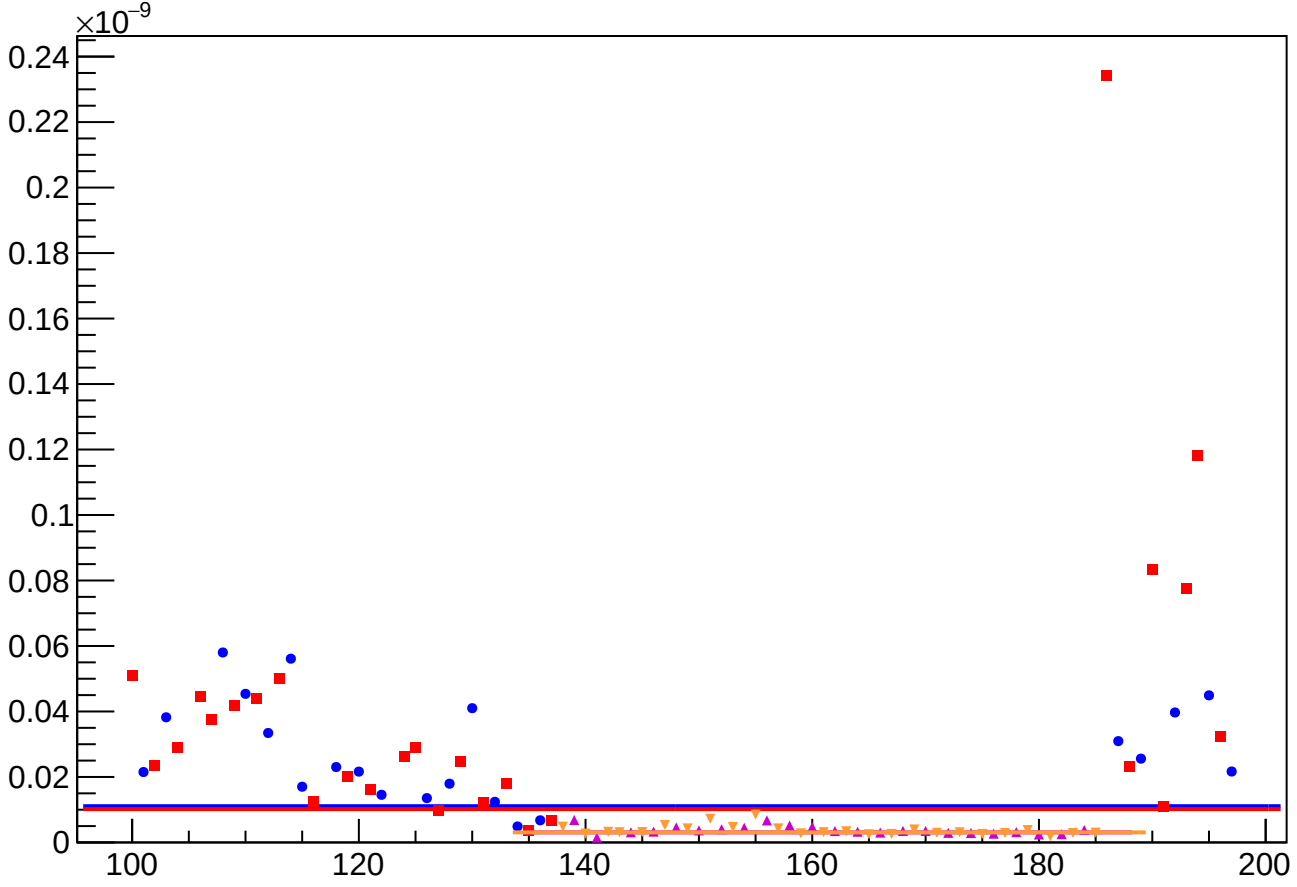
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.1/45

All: 0.000+/-0.000 χ^2/NDF: 102.3/94

- sign -0.000+/-0.000 χ^2/NDF: 51.3/48

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4617214.2/20

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7801832.1/25

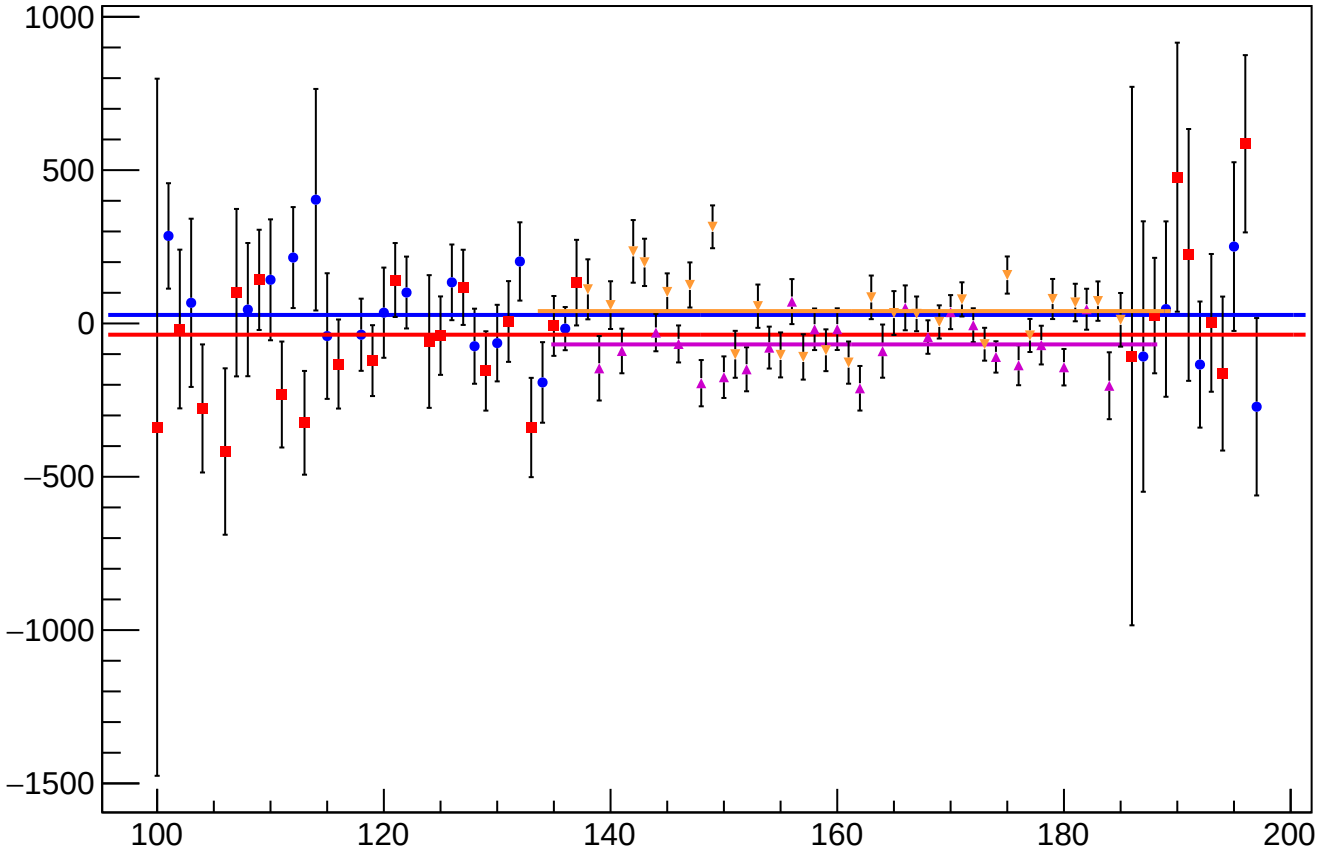
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10260698.9/45

All: 0.000+/-0.000 χ^2/NDF: 23181138.0/94

- sign 0.000+/-0.000 χ^2/NDF: 12920439.0/48

reg_asym_sam_3726_avg_mean vs Slug



Right In: 27.779+/-32.663 χ^2/NDF: 15.3/20

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -36.657+/-33.121 χ^2/NDF: 26.5/25

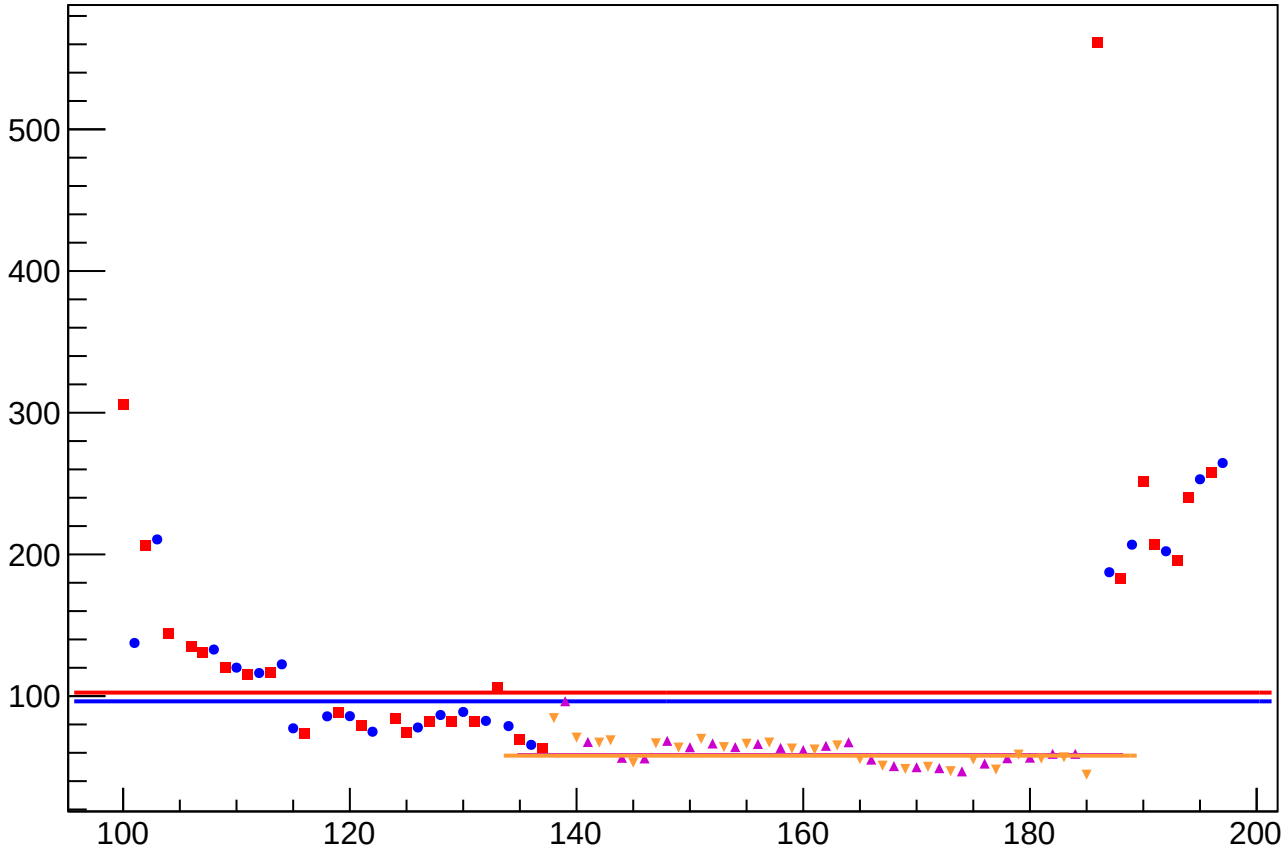
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 38.532+/-12.399 χ^2/NDF: 74.8/45

All: -10.955+/-8.903 χ^2/NDF: 166.8/94

- sign -63.618+/-12.790 χ^2/NDF: 59.1/48

reg_asym_sam_3726_avg_rms vs Slug



Right In: 96.315+/-0.023 χ^2/NDF: 3441230.7/20

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

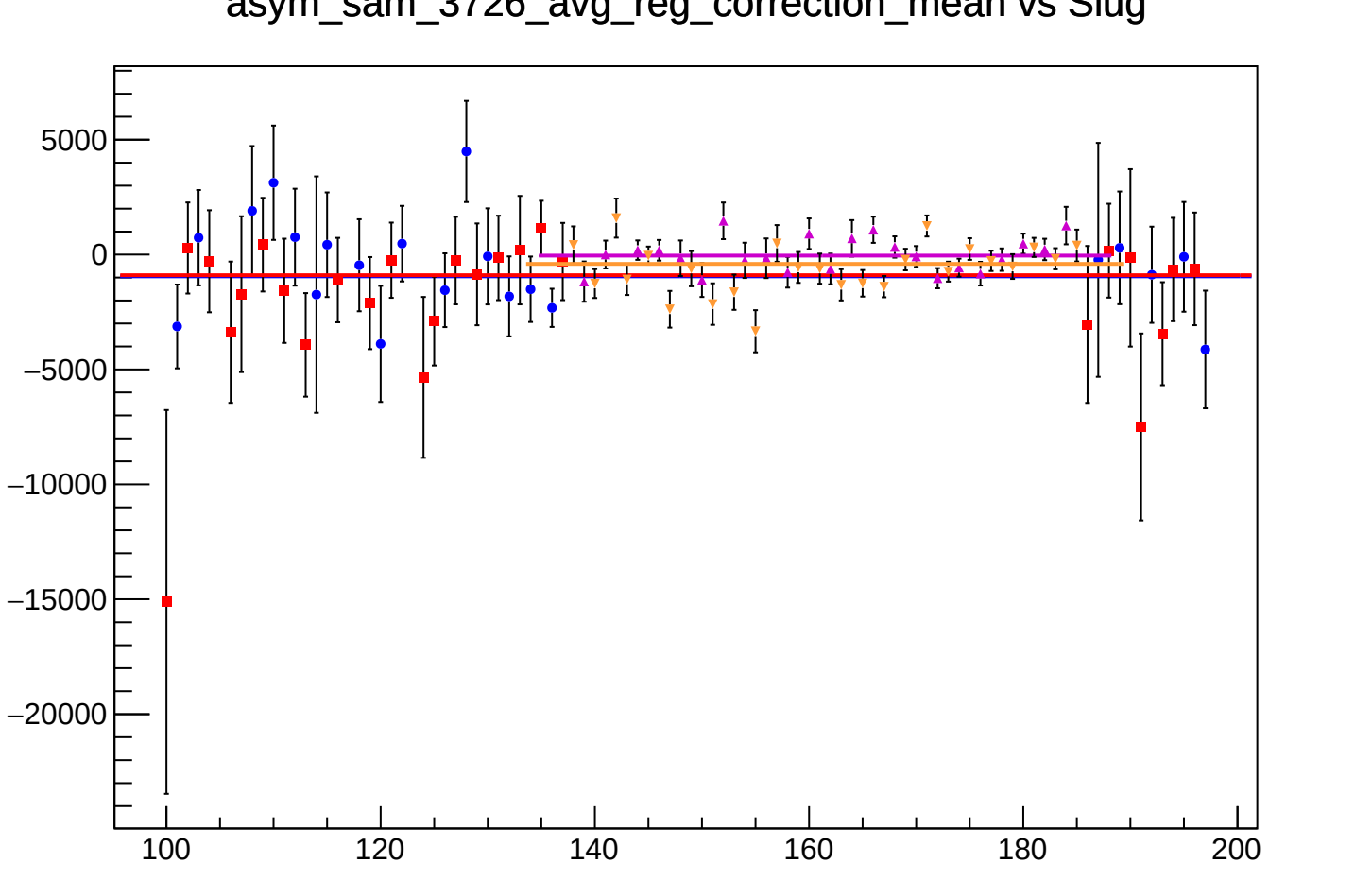
Right Out: 102.483+/-0.023 χ^2/NDF: 4193718.0/25

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.517+/-0.009 χ^2/NDF: 6605003.9/45

All: 64.222+/-0.006 χ^2/NDF: 14562331.3/94

- sign 64.971+/-0.009 χ^2/NDF: 7943999.7/48



Right In: -946.848+/-411.520 χ^2/NDF: 20.5/20

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -897.881+/-423.201 χ^2/NDF: 17.8/25

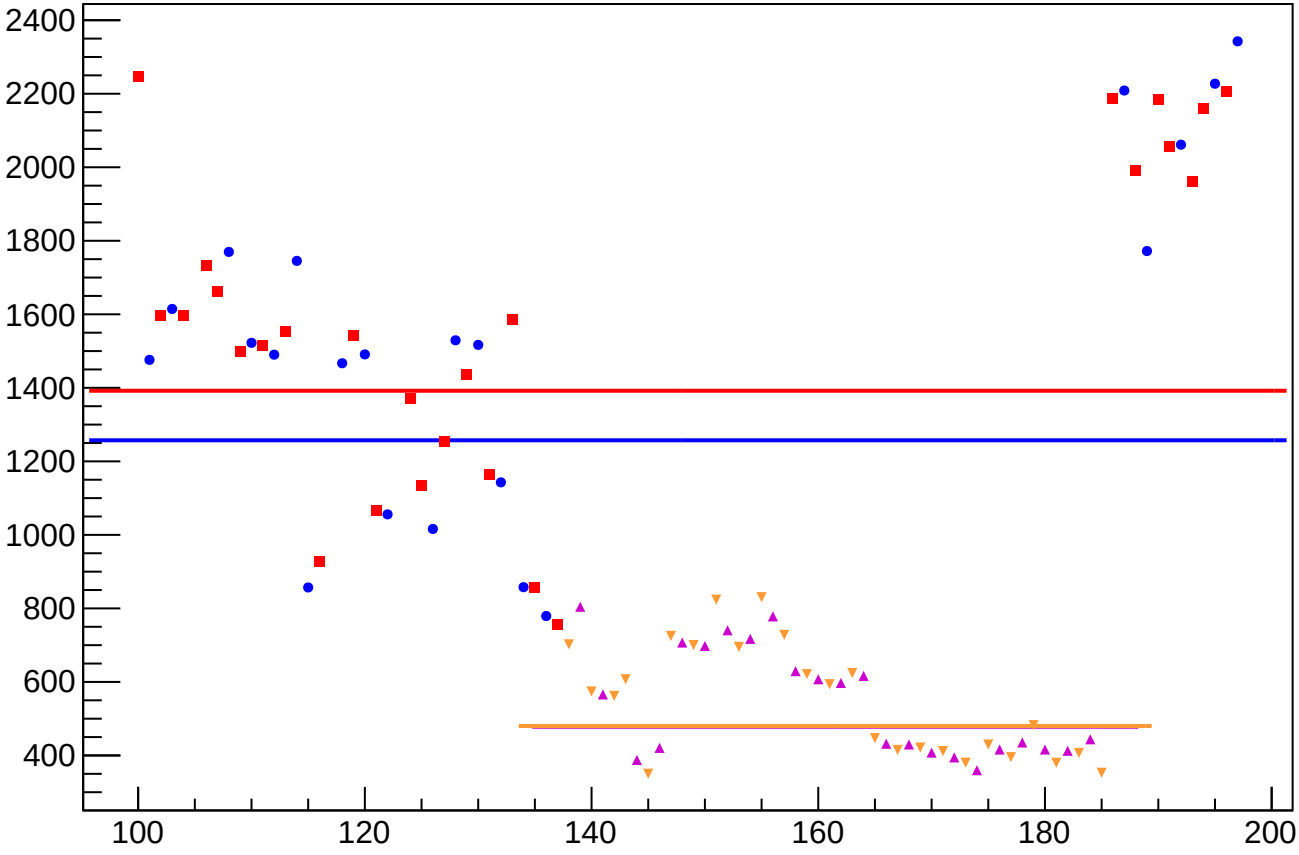
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -444.512+/-109.386 χ^2/NDF: 85.3/45

All: -277.871+/-78.140 χ^2/NDF: 142.6/94

- sign -104.219+/-111.663 χ^2/NDF: 52.6/48

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1257.322+/-0.291 χ^2/NDF: 2425891.0/20

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1392.075+/-0.299 χ^2/NDF: 2114064.4/25

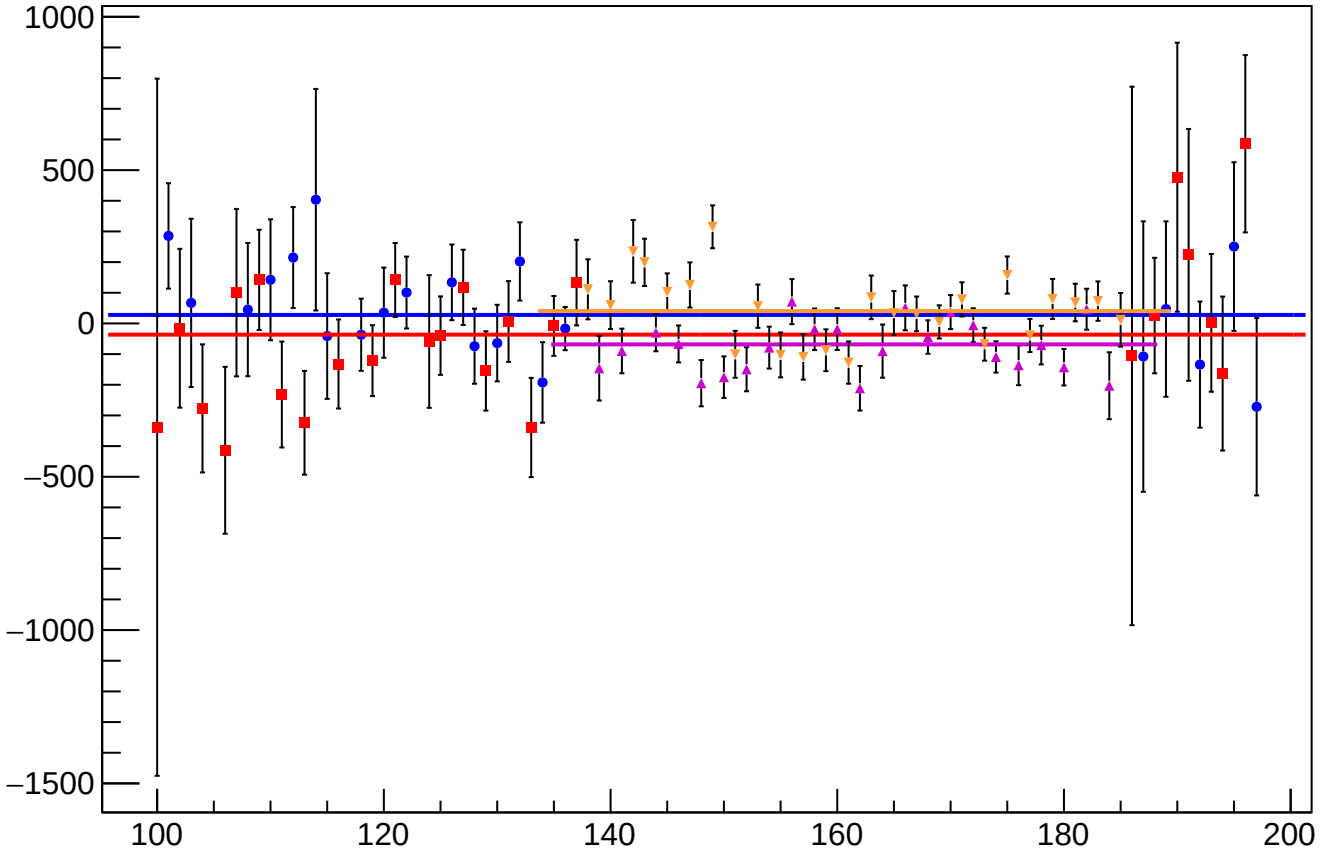
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 535.072+/-0.077 χ^2/NDF: 11637080.2/45

All: 538.324+/-0.055 χ^2/NDF: 24649542.9/94

- sign 541.714+/-0.079 χ^2/NDF: 13008851.2/48

cor_asym_sam_3726_avg_mean vs Slug



Right In: 27.770+/-32.663 χ^2/NDF: 15.3/20

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -36.519+/-33.122 χ^2/NDF: 26.5/25

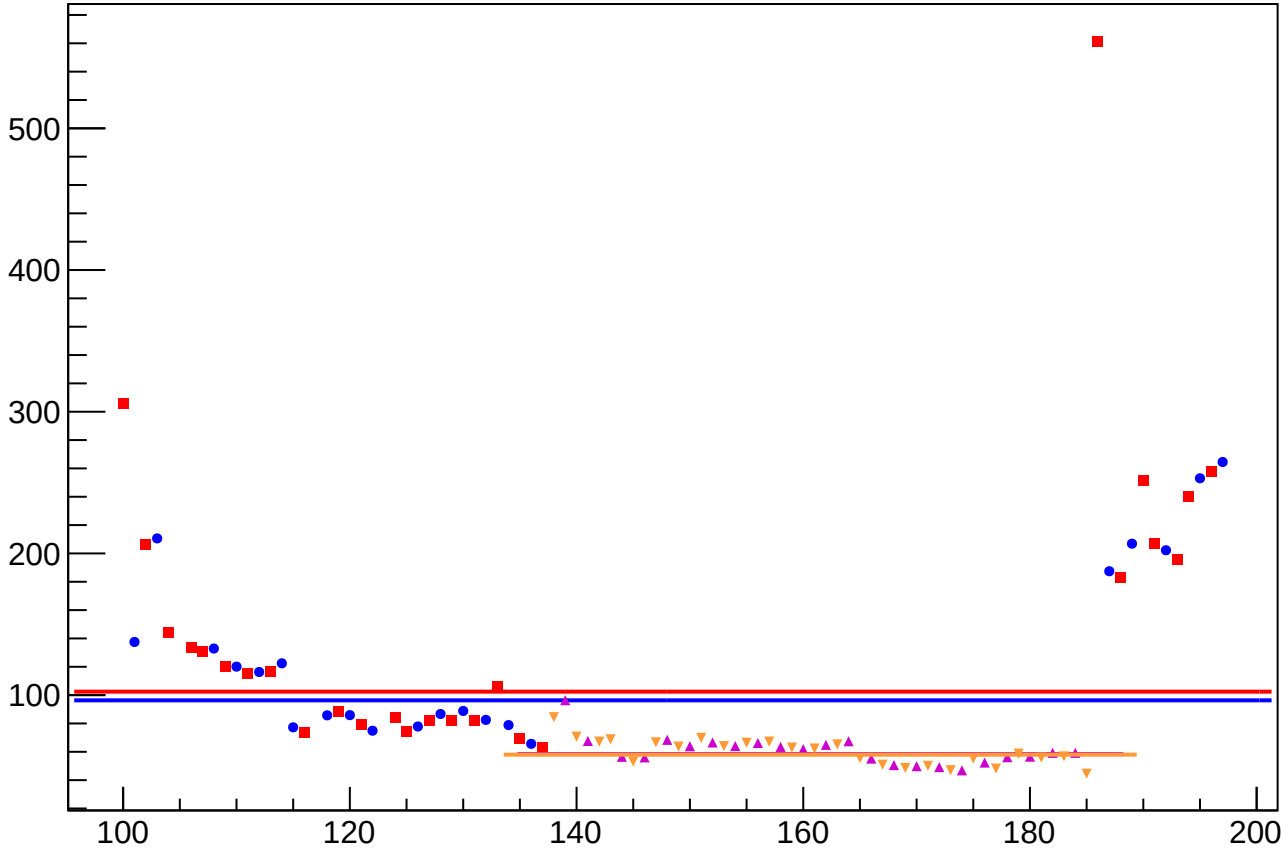
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.532+/-12.399 χ^2/NDF: 74.8/45

All: -10.944+/-8.903 χ^2/NDF: 166.7/94

- sign -63.597+/-12.791 χ^2/NDF: 59.0/48

cor_asym_sam_3726_avg_rms vs Slug



Right In: 96.315+/-0.023 χ^2/NDF: 3441233.6/20

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

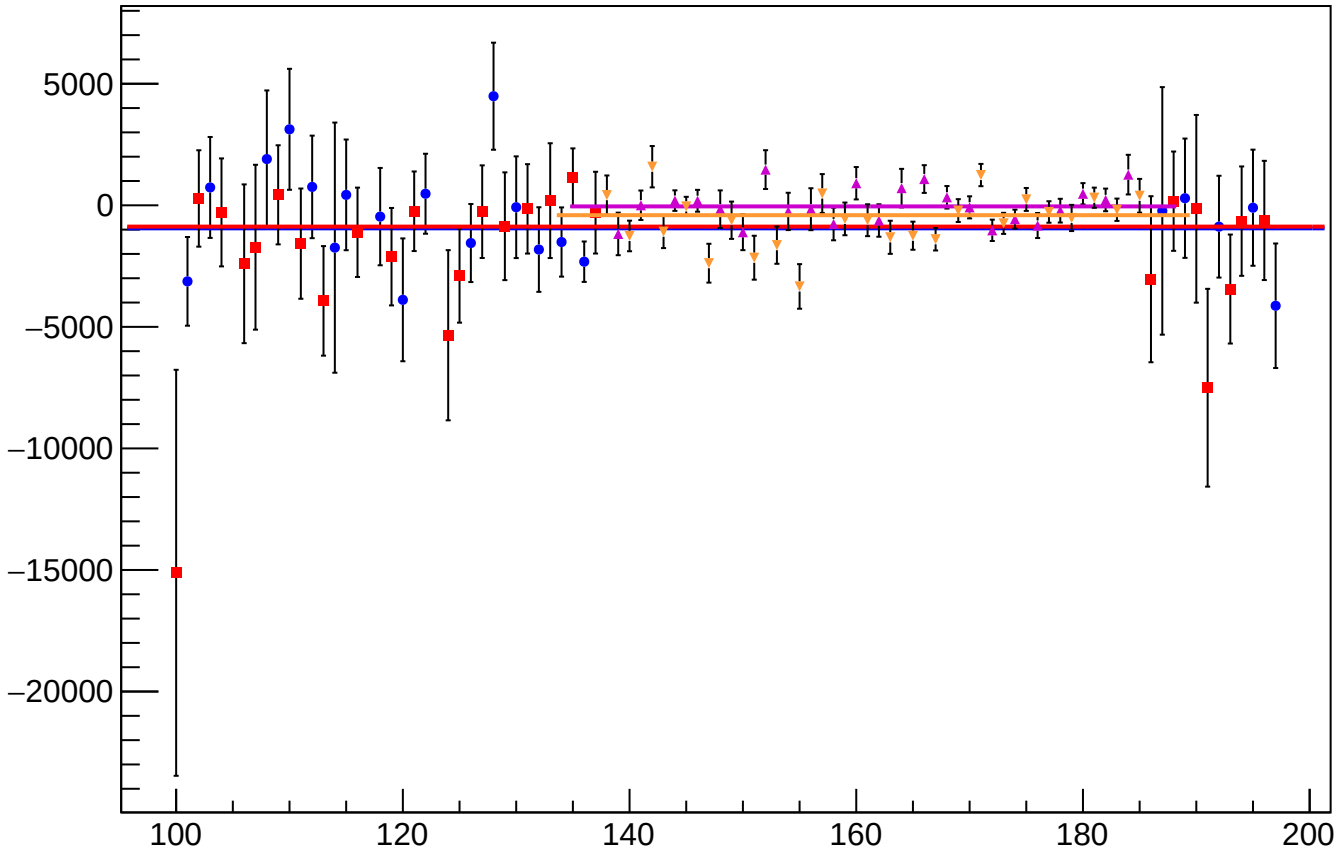
Right Out: 102.451+/-0.023 χ^2/NDF: 4190499.4/25

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.517+/-0.009 χ^2/NDF: 6605006.0/45

All: 64.219+/-0.006 χ^2/NDF: 14554340.0/94

- sign 64.966+/-0.009 χ^2/NDF: 7936105.3/48



Right In: -946.822+/-411.521 χ^2/NDF: 20.5/20

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -876.466+/-423.672 χ^2/NDF: 17.3/25

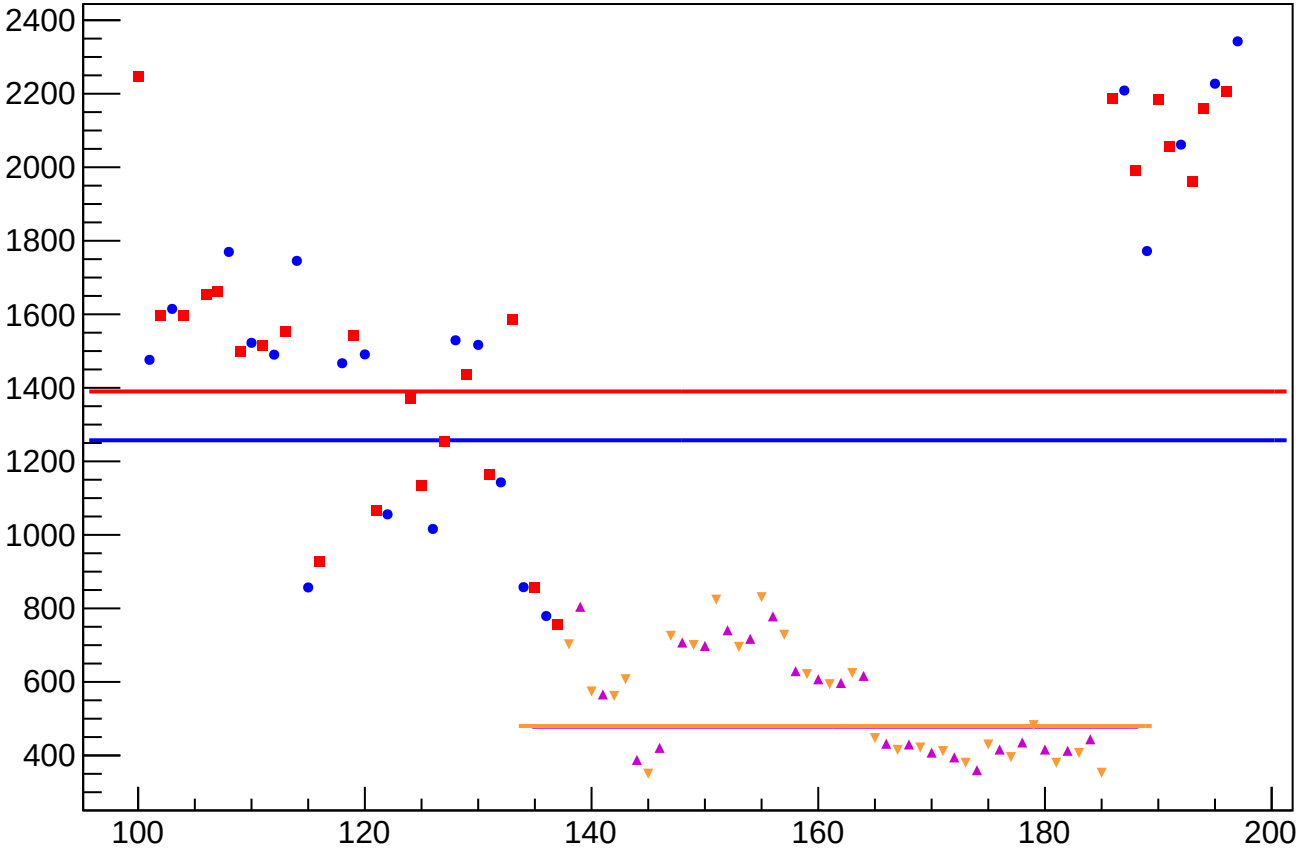
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -444.509+/-109.386 χ^2/NDF: 85.3/45

All: -277.093+/-78.143 χ^2/NDF: 142.0/94

- sign -102.607+/-111.671 χ^2/NDF: 51.9/48

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1257.324+/-0.291 χ^2/NDF: 2425922.5/20

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1390.063+/-0.300 χ^2/NDF: 2102572.3/25

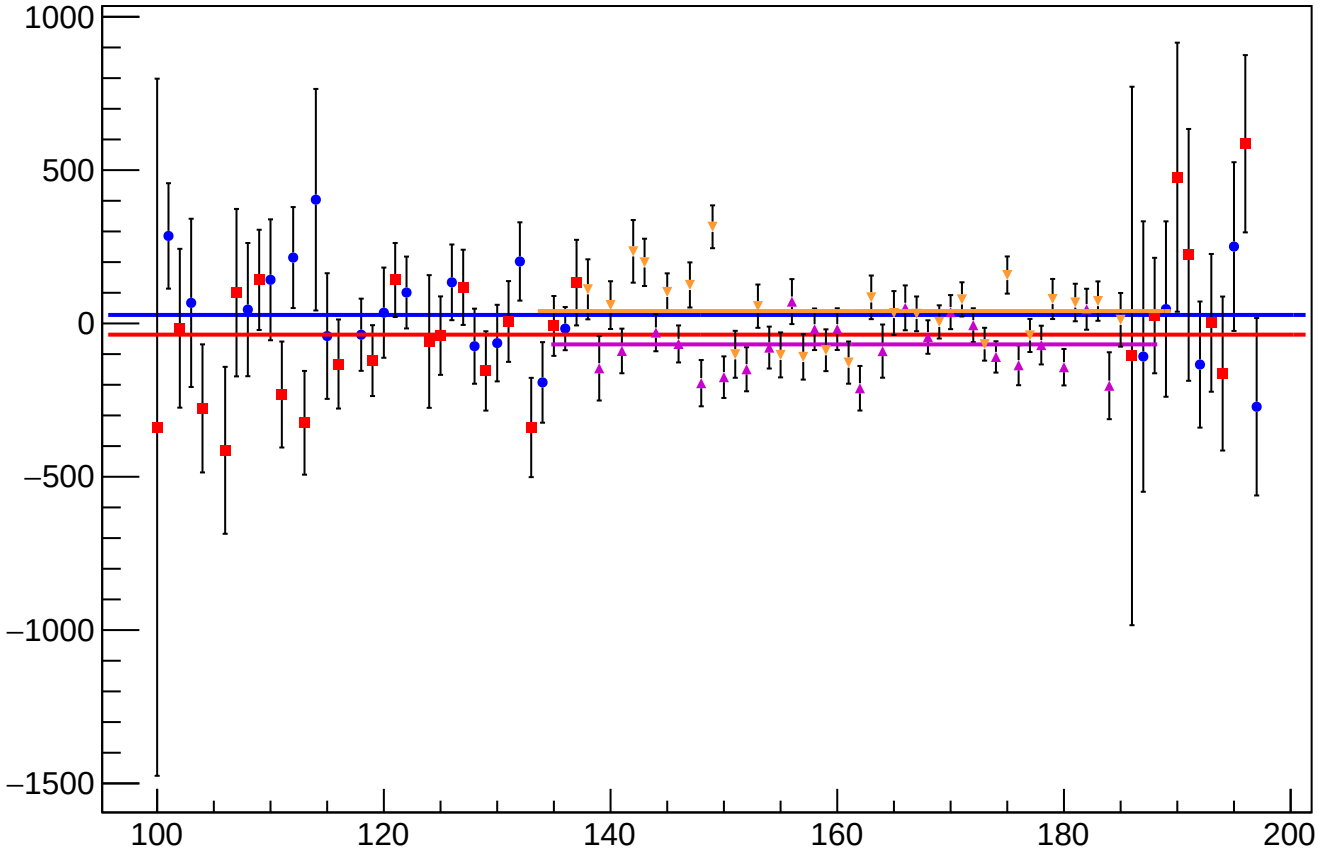
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 535.071+/-0.077 χ^2/NDF: 11637106.5/45

All: 538.191+/-0.055 χ^2/NDF: 24581718.7/94

- sign 541.443+/-0.079 χ^2/NDF: 12941289.8/48

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 27.770+/-32.663 χ^2/NDF: 15.3/20

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -36.519+/-33.122 χ^2/NDF: 26.5/25

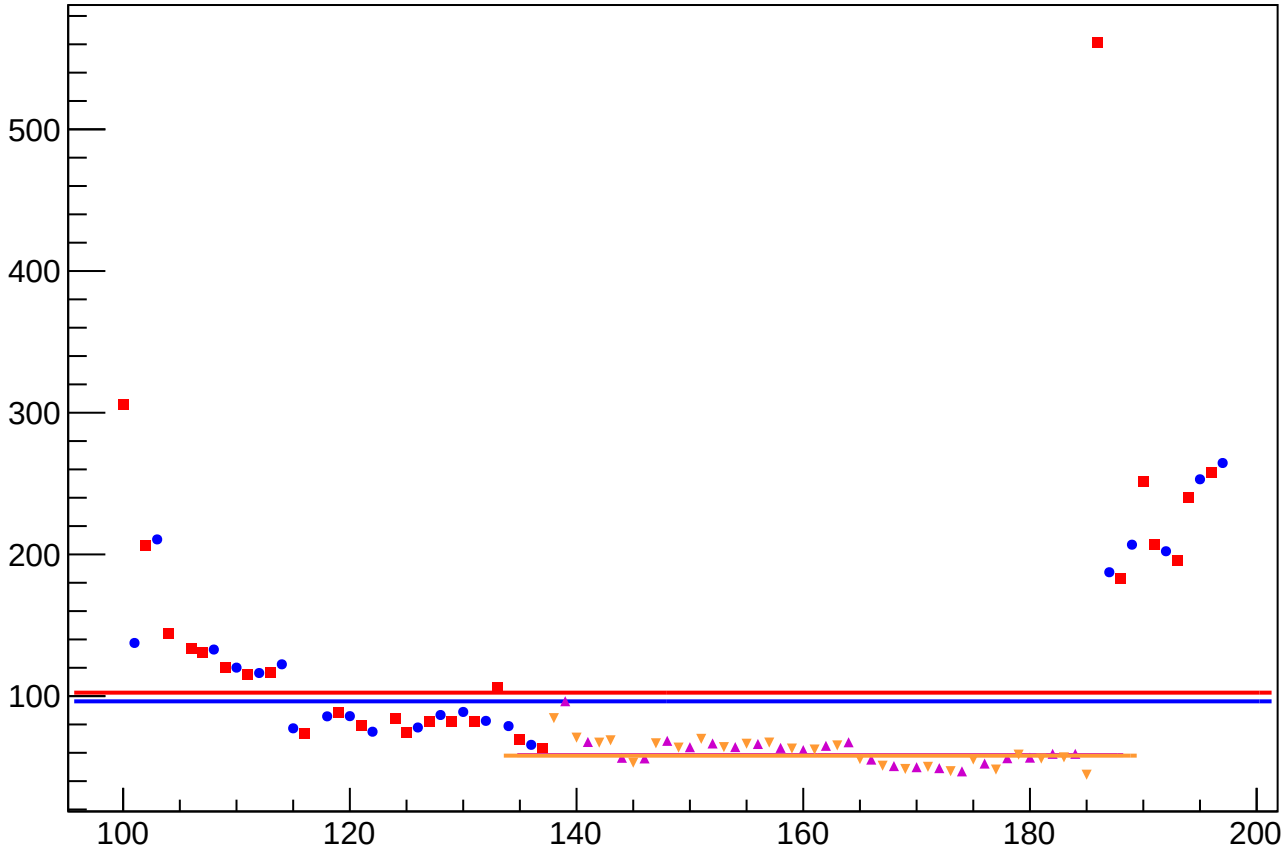
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.532+/-12.399 χ^2/NDF: 74.8/45

All: -10.944+/-8.903 χ^2/NDF: 166.7/94

- sign -63.597+/-12.791 χ^2/NDF: 59.0/48

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 96.315+/-0.023 χ^2/NDF: 3441233.6/20

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

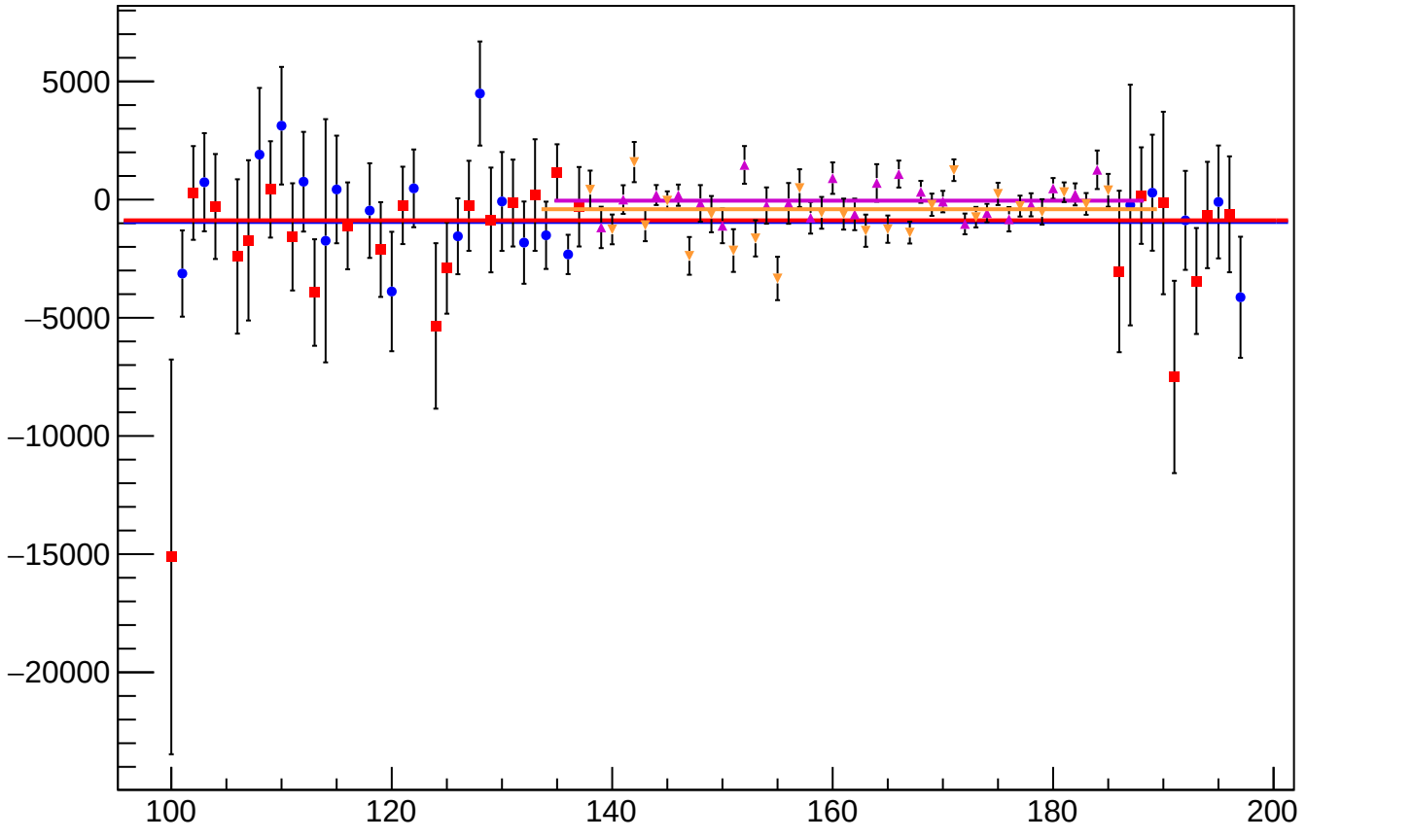
Right Out: 102.451+/-0.023 χ^2/NDF: 4190499.4/25

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 63.517+/-0.009 χ^2/NDF: 6605006.0/45

All: 64.219+/-0.006 χ^2/NDF: 14554340.0/94

- sign 64.966+/-0.009 χ^2/NDF: 7936105.3/48



Right In: -946.822+/-411.521 χ^2/NDF: 20.5/20

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

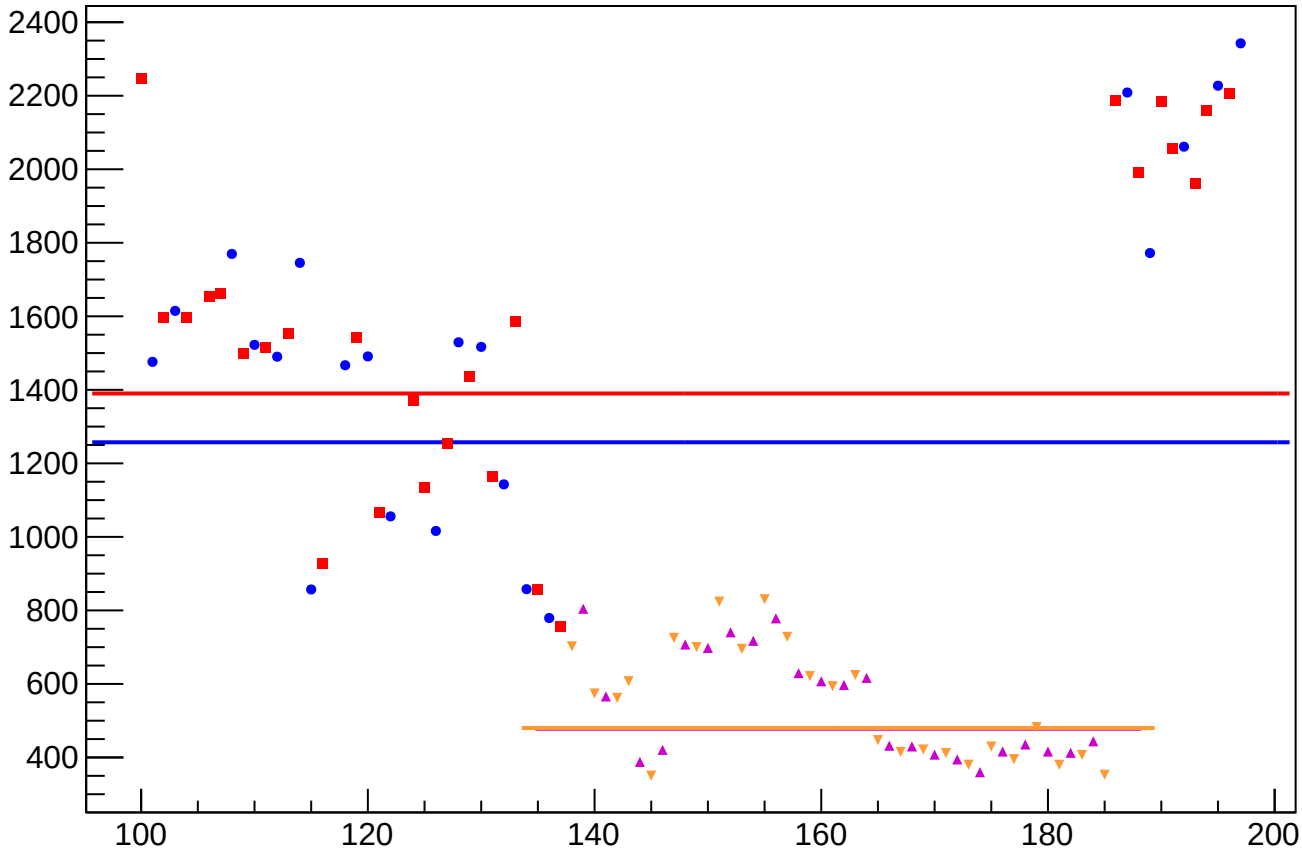
Right Out: -876.466+/-423.672 χ^2/NDF: 17.3/25

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -444.509+/-109.386 χ^2/NDF: 85.3/45

All: -277.093+/-78.143 χ^2/NDF: 142.0/94

- sign -102.607+/-111.671 χ^2/NDF: 51.9/48



Right In: 1257.324+/-0.291 χ^2/NDF: 2425922.5/20

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1390.063+/-0.300 χ^2/NDF: 2102572.3/25

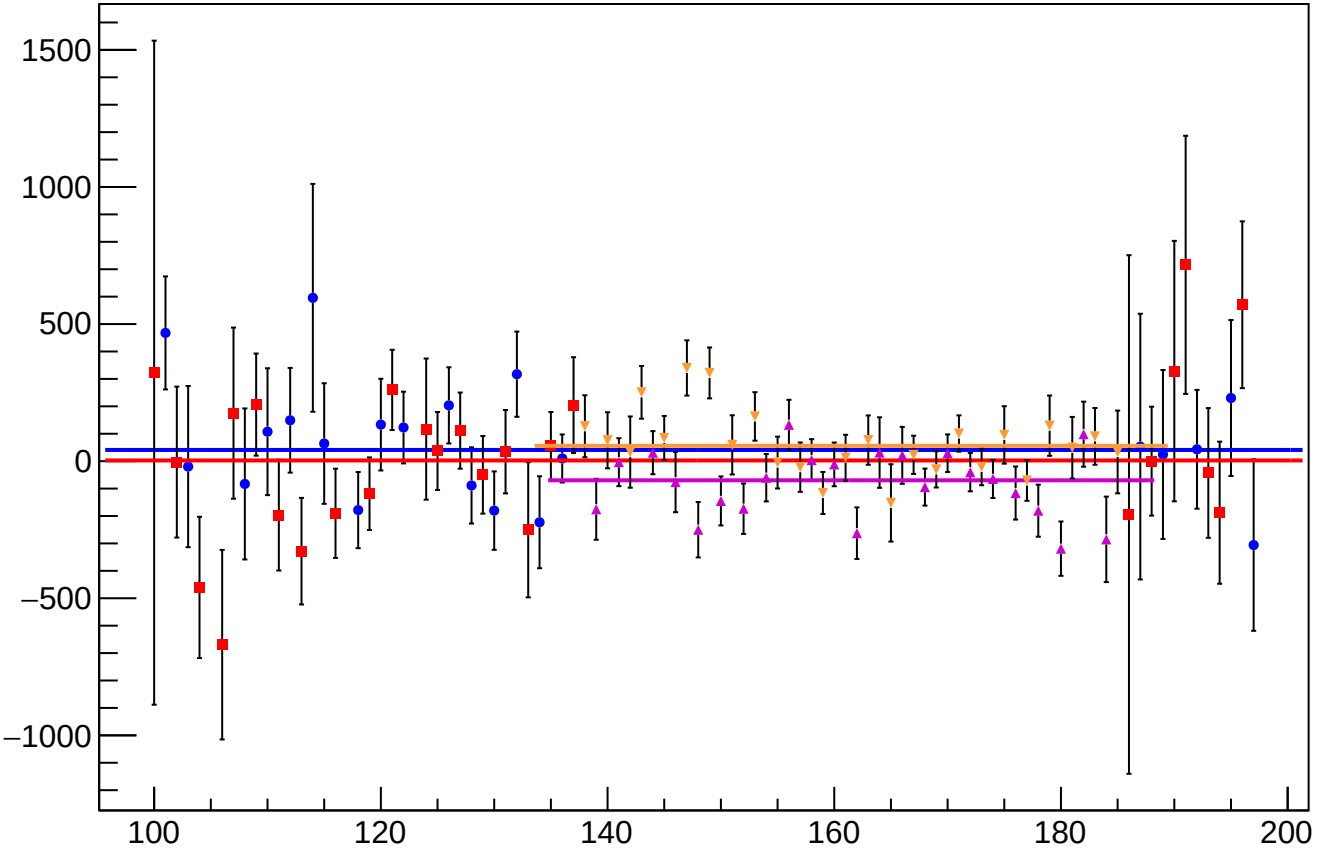
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 535.071+/-0.077 χ^2/NDF: 11637106.5/45

All: 538.191+/-0.055 χ^2/NDF: 24581718.7/94

- sign 541.443+/-0.079 χ^2/NDF: 12941289.8/48

dit_asym_sam_3726_avg_mean vs Slug



Right In: 40.881+/-38.199 χ^2/NDF: 22.0/20

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 2.586+/-38.572 χ^2/NDF: 28.3/25

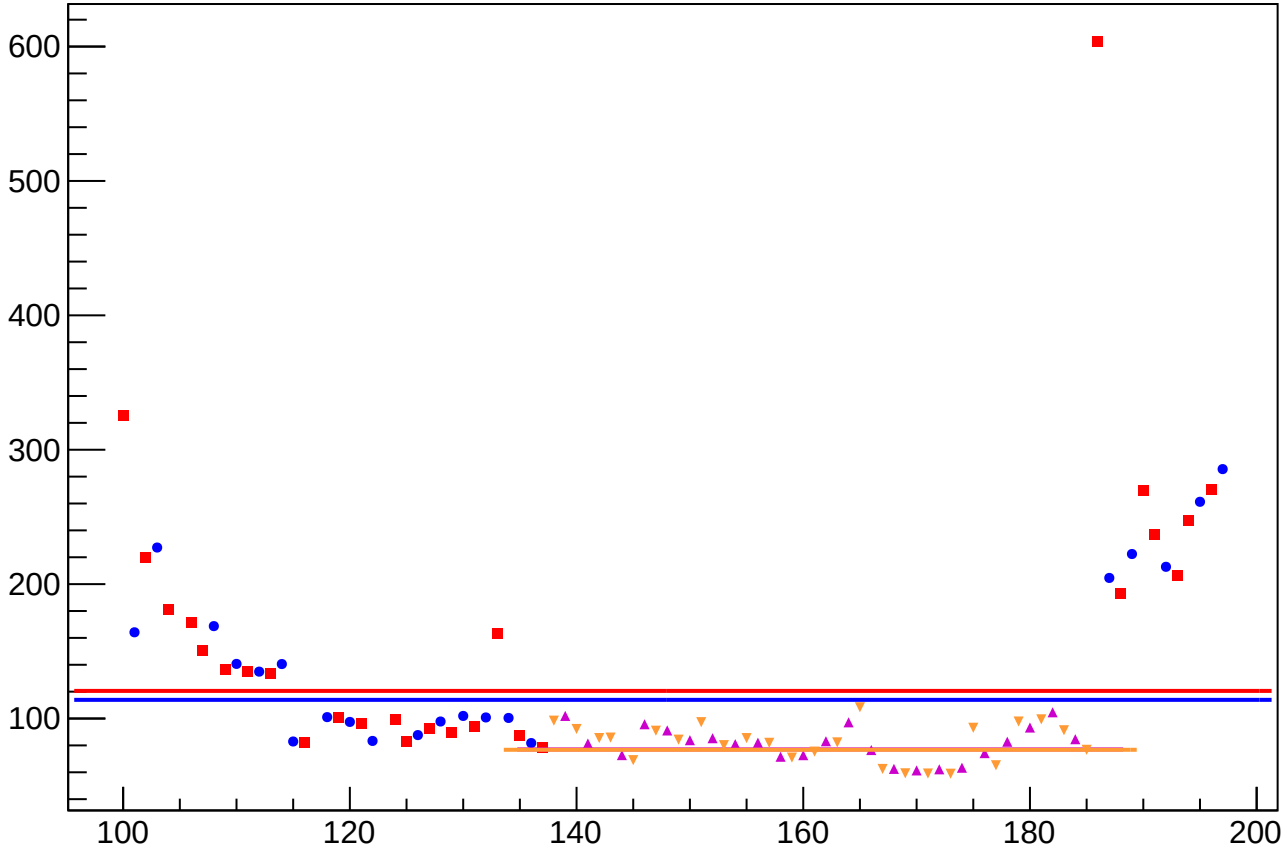
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.224+/-16.245 χ^2/NDF: 60.4/45

All: -0.099+/-11.637 χ^2/NDF: 148.3/94

- sign -56.302+/-16.678 χ^2/NDF: 65.7/48

dit_asym_sam_3726_avg_rms vs Slug



Right In: 113.895+/-0.027 χ^2/NDF: 3024322.3/20

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 120.552+/-0.027 χ^2/NDF: 3779811.0/25

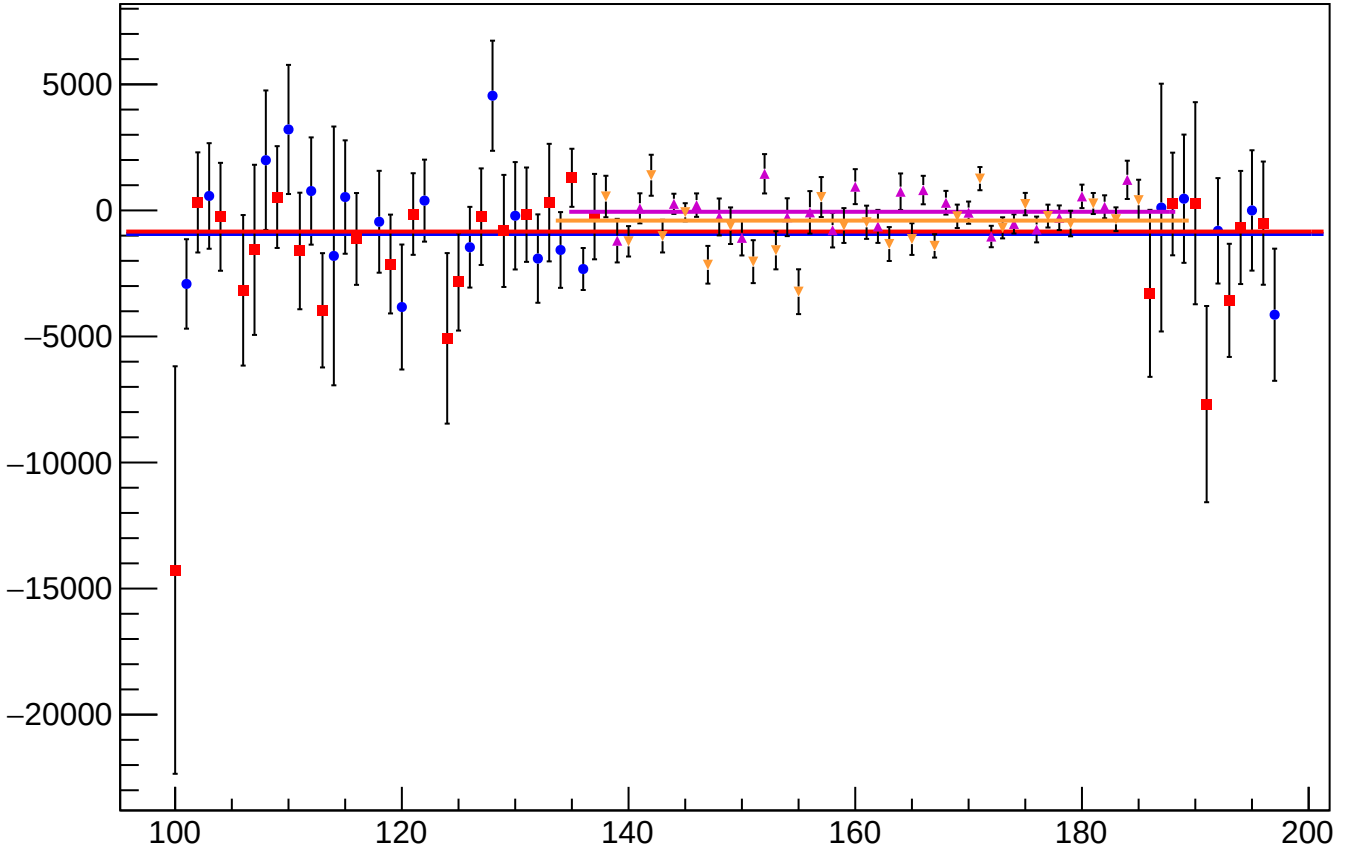
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 83.463+/-0.011 χ^2/NDF: 5808568.3/45

All: 84.288+/-0.008 χ^2/NDF: 12529216.4/94

- sign 85.157+/-0.012 χ^2/NDF: 6710056.9/48

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -935.086+/-413.530 χ^2/NDF: 20.5/20

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -839.096+/-419.371 χ^2/NDF: 19.1/25

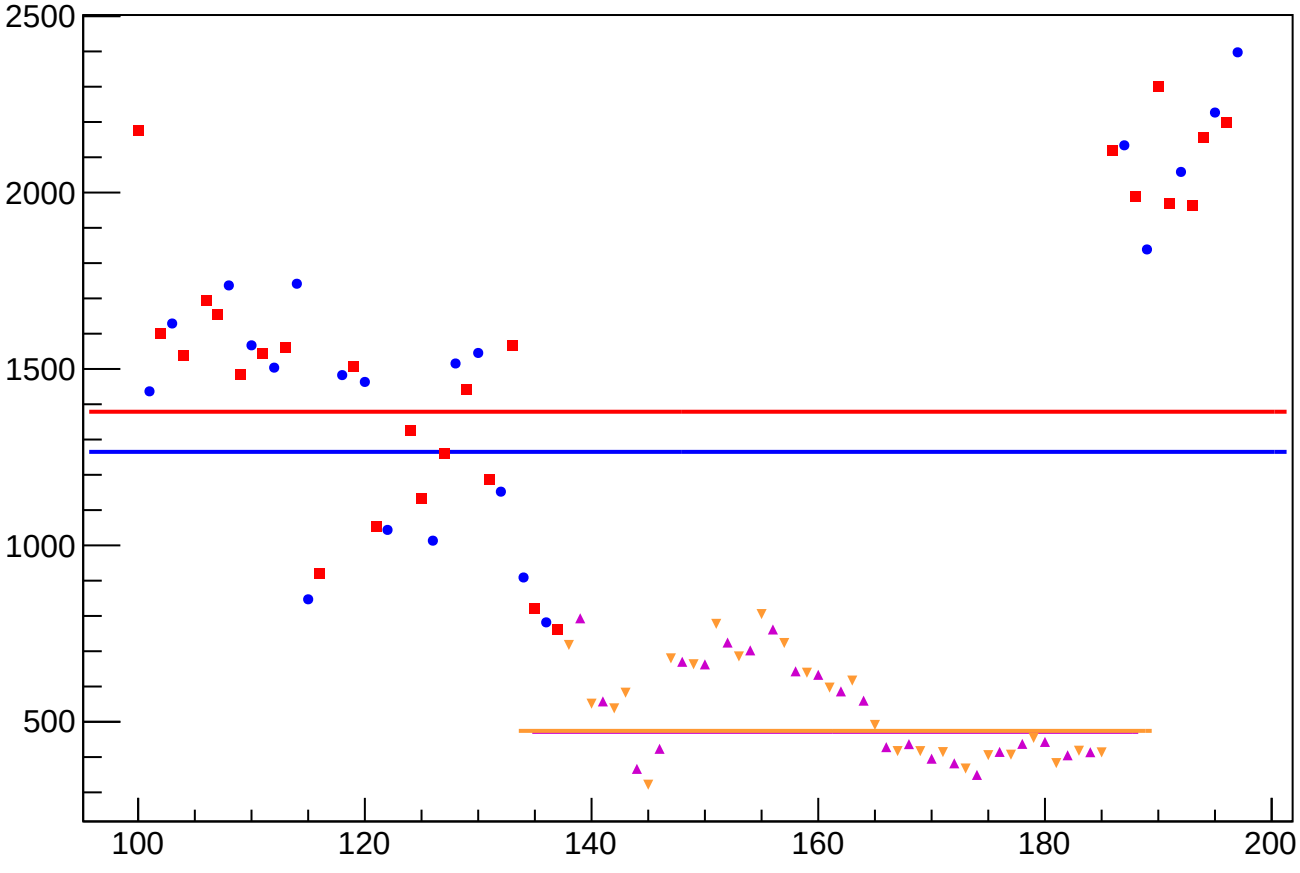
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -439.576+/-107.901 χ^2/NDF: 82.8/45

All: -277.490+/-77.100 χ^2/NDF: 140.4/94

- sign -108.398+/-110.209 χ^2/NDF: 53.0/48

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1265.059+/-0.292 χ^2/NDF: 2404156.5/20

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

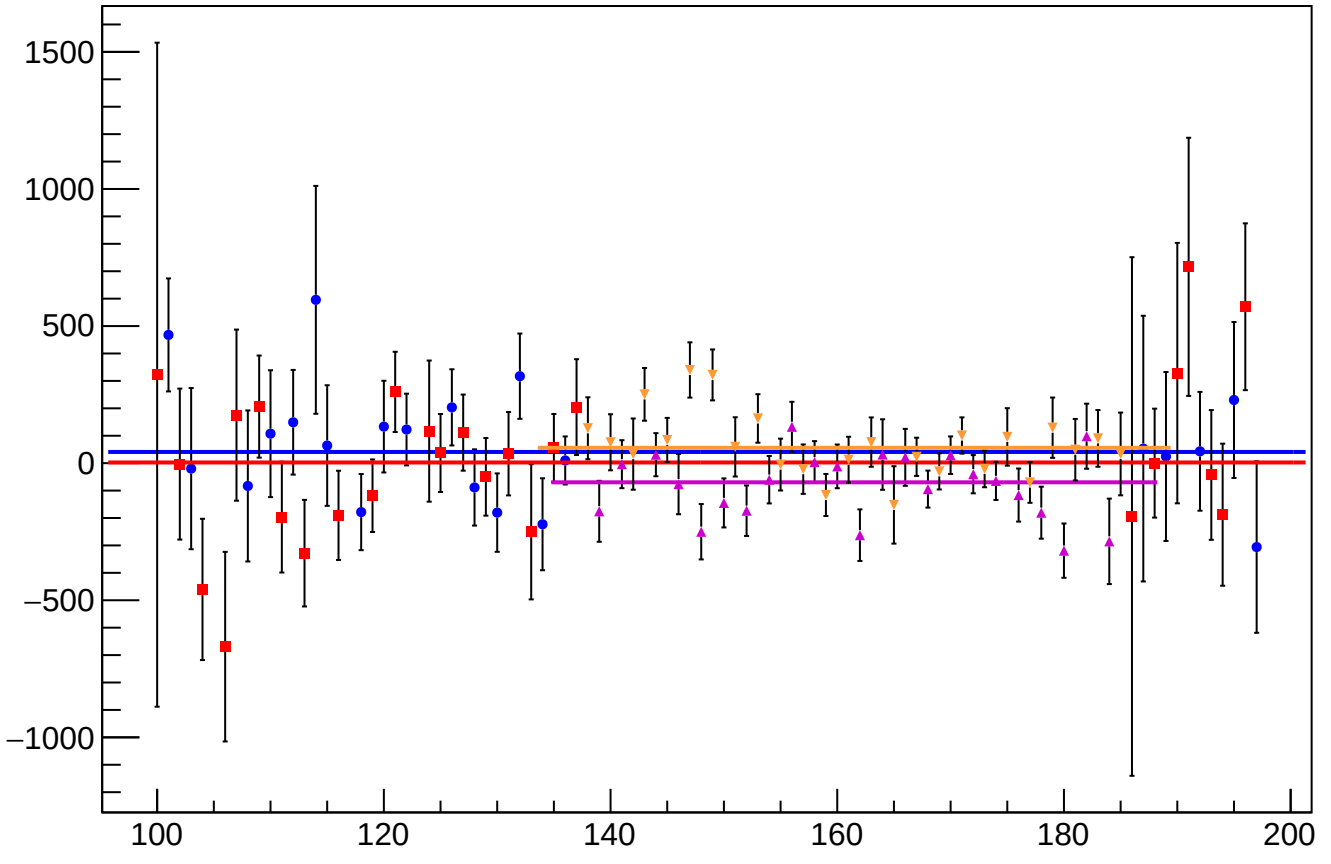
Right Out: 1378.796+/-0.297 χ^2/NDF: 2175167.1/25

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 528.132+/-0.076 χ^2/NDF: 11758508.2/45

All: 531.061+/-0.055 χ^2/NDF: 24861562.8/94

- sign 534.118+/-0.078 χ^2/NDF: 13100041.9/48



Right In: 40.881+/-38.199 χ^2/NDF: 22.0/20

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 2.588+/-38.572 χ^2/NDF: 28.3/25

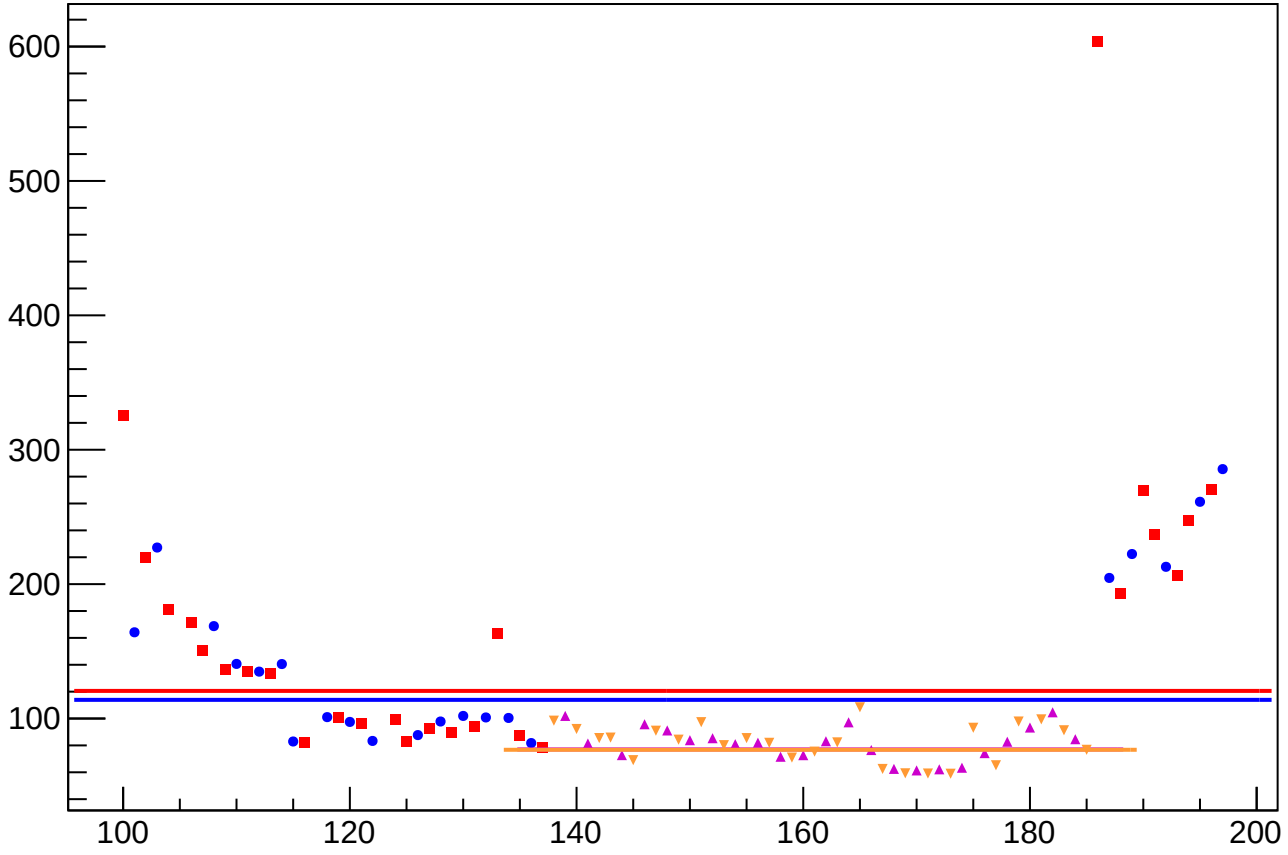
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.223+/-16.245 χ^2/NDF: 60.4/45

All: -0.099+/-11.637 χ^2/NDF: 148.3/94

- sign -56.301+/-16.678 χ^2/NDF: 65.7/48

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 113.894+/-0.027 χ^2/NDF: 3024323.6/20

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

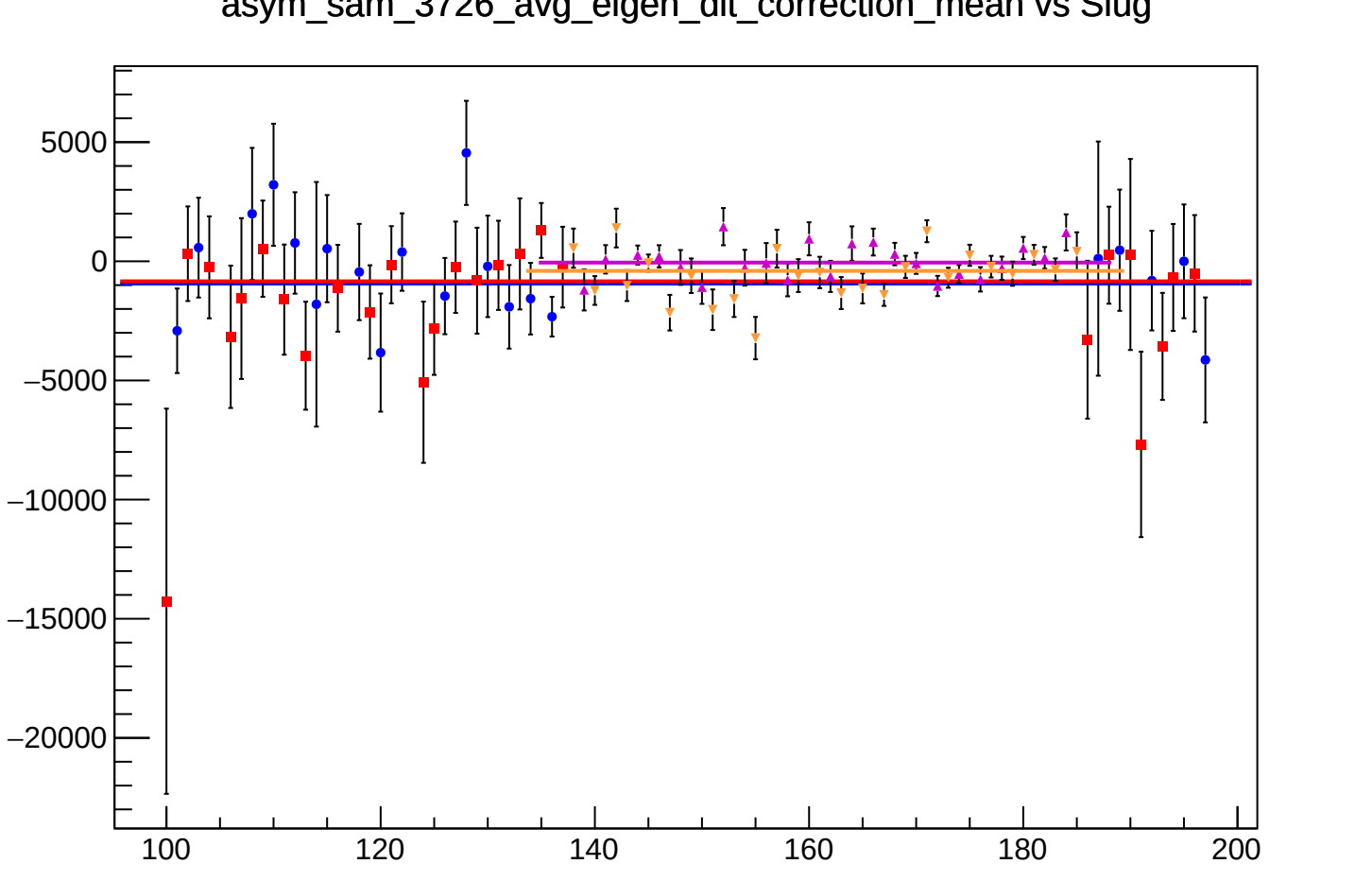
Right Out: 120.552+/-0.027 χ^2/NDF: 3779815.8/25

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 83.463+/-0.011 χ^2/NDF: 5808529.0/45

All: 84.288+/-0.008 χ^2/NDF: 12529137.1/94

- sign 85.157+/-0.012 χ^2/NDF: 6710016.5/48



Right In: -935.082+/-413.529 χ^2/NDF: 20.5/20

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

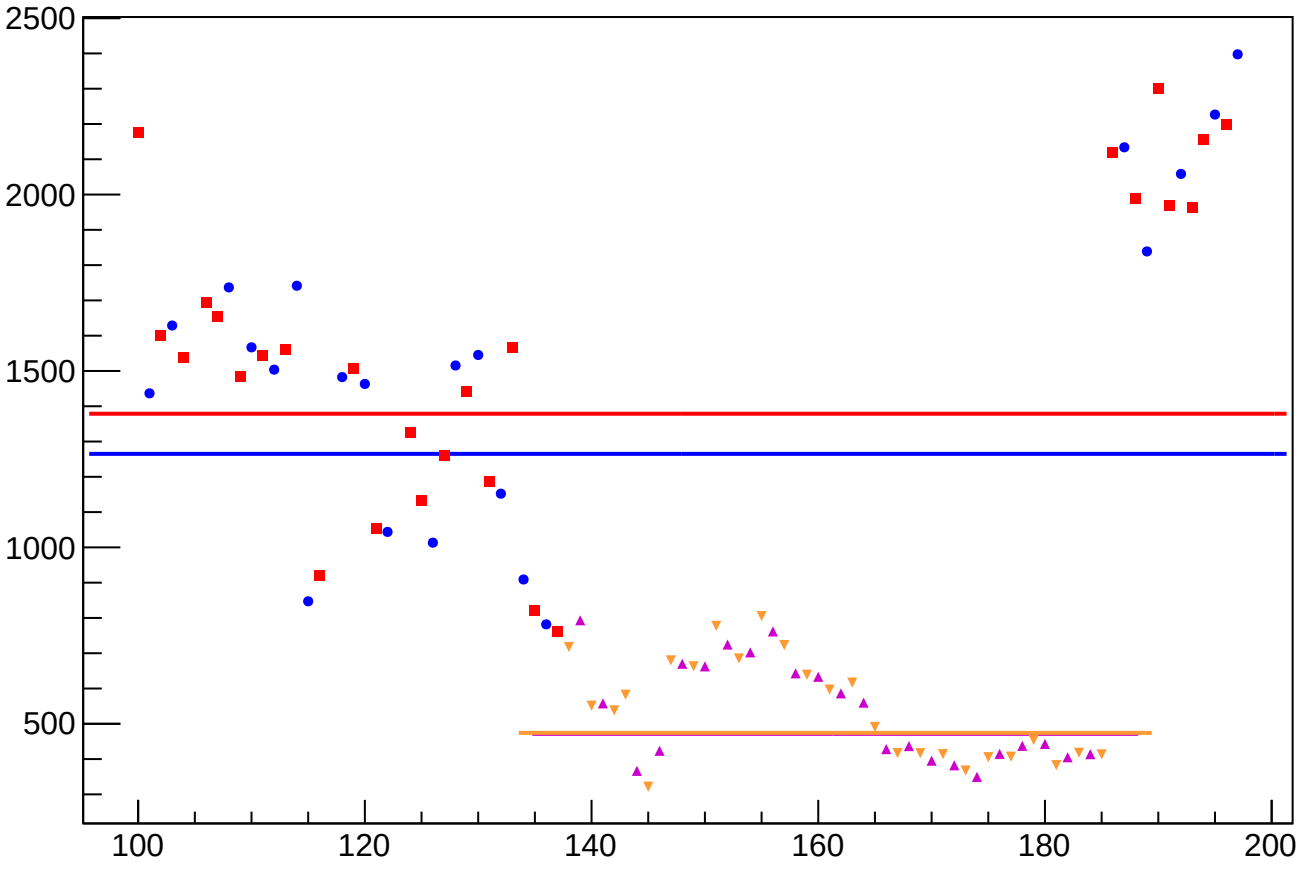
Right Out: -839.096+/-419.371 χ^2/NDF: 19.1/25

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -439.575+/-107.901 χ^2/NDF: 82.8/45

All: -277.490+/-77.100 χ^2/NDF: 140.4/94

- sign -108.398+/-110.208 χ^2/NDF: 53.0/48



Right In: 1265.058+/-0.292 χ^2/NDF: 2404145.6/20

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1378.794+/-0.297 χ^2/NDF: 2175161.2/25

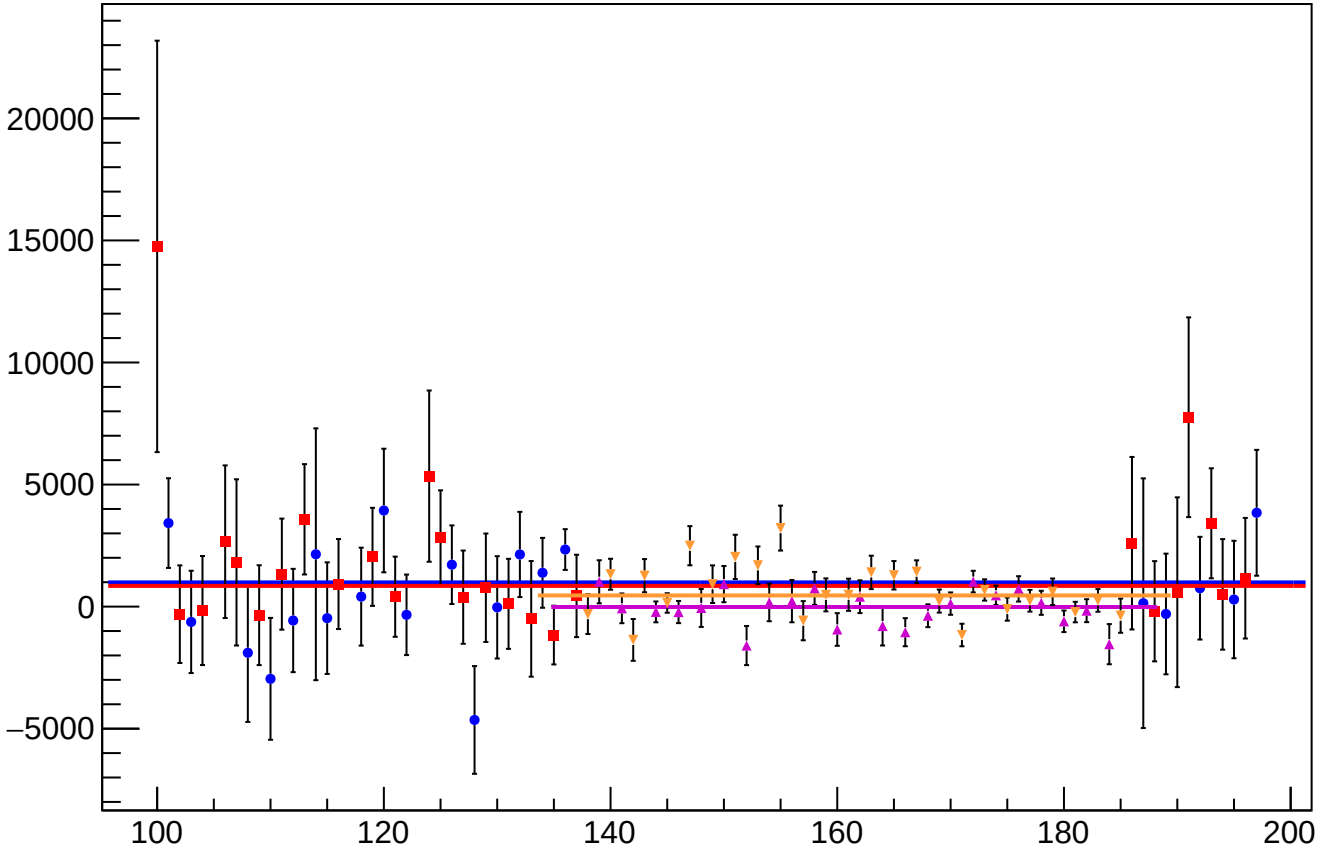
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 528.131+/-0.076 χ^2/NDF: 11758500.6/45

All: 531.061+/-0.055 χ^2/NDF: 24861536.3/94

- sign 534.118+/-0.078 χ^2/NDF: 13100022.8/48

asym_sam_3726_avg_mean vs Slug



Right In: 991.374+/-413.266 χ^2/NDF: 20.7/20

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 849.153+/-425.128 χ^2/NDF: 16.7/25

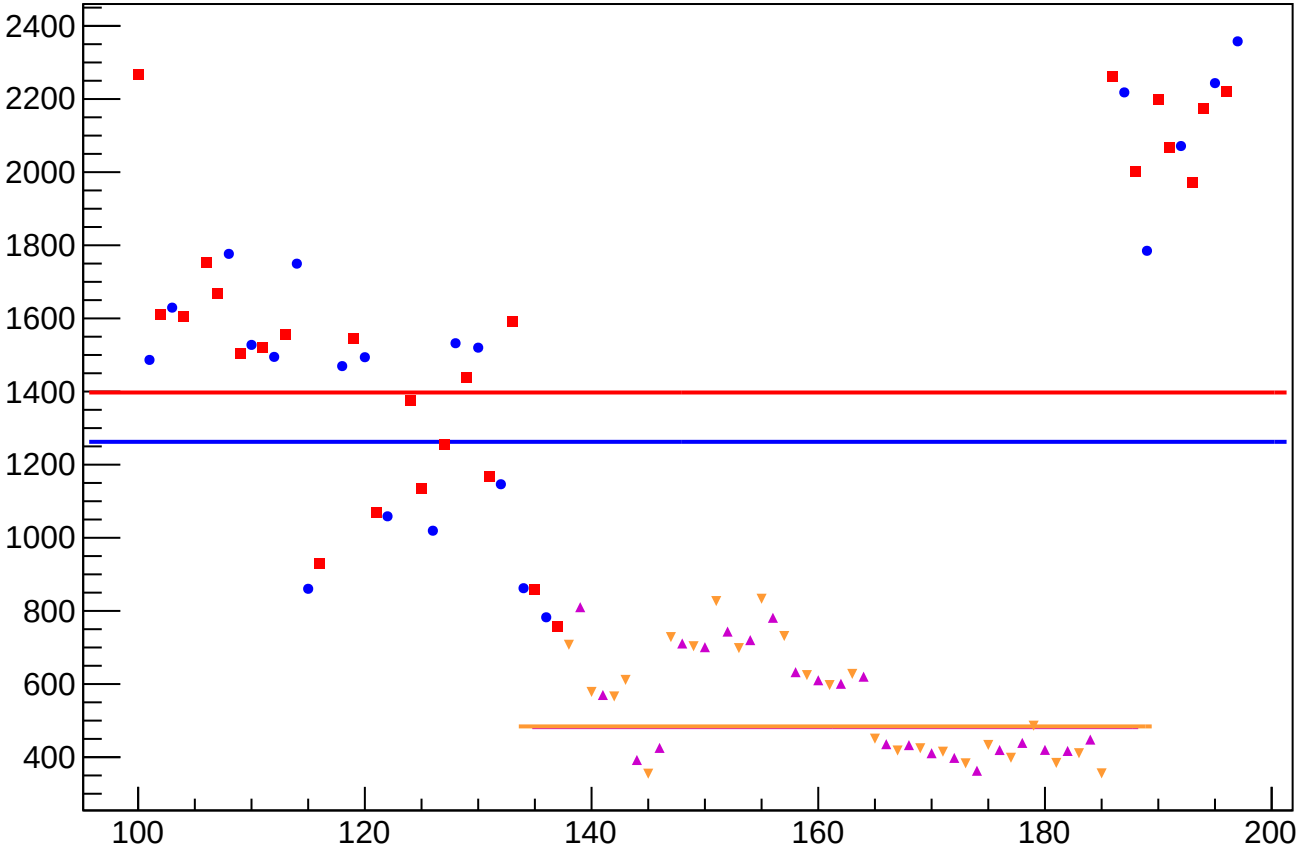
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 495.270+/-110.210 χ^2/NDF: 81.6/45

All: 275.070+/-78.740 χ^2/NDF: 140.6/94

- sign 45.471+/-112.538 χ^2/NDF: 50.9/48

asym_sam_3726_avg_rms vs Slug



Right In: 1262.460+/-0.292 χ^2/NDF: 2432504.2/20

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

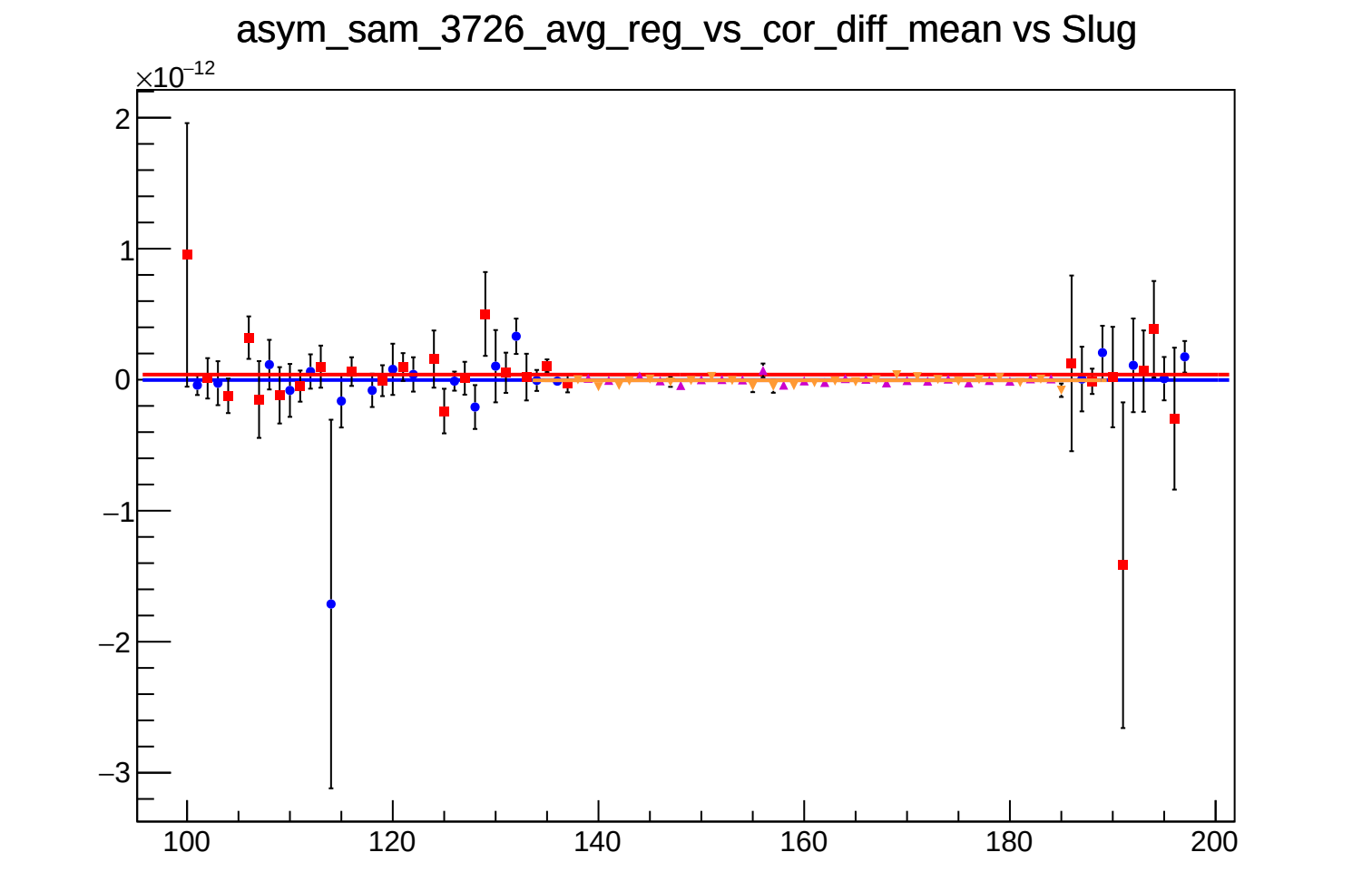
Right Out: 1397.387+/-0.301 χ^2/NDF: 2139766.6/25

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 539.482+/-0.078 χ^2/NDF: 11570603.2/45

All: 542.816+/-0.056 χ^2/NDF: 24520593.3/94

- sign 546.293+/-0.080 χ^2/NDF: 12946250.1/48



Right In: -0.000+/-0.000 χ^2/NDF: 15.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

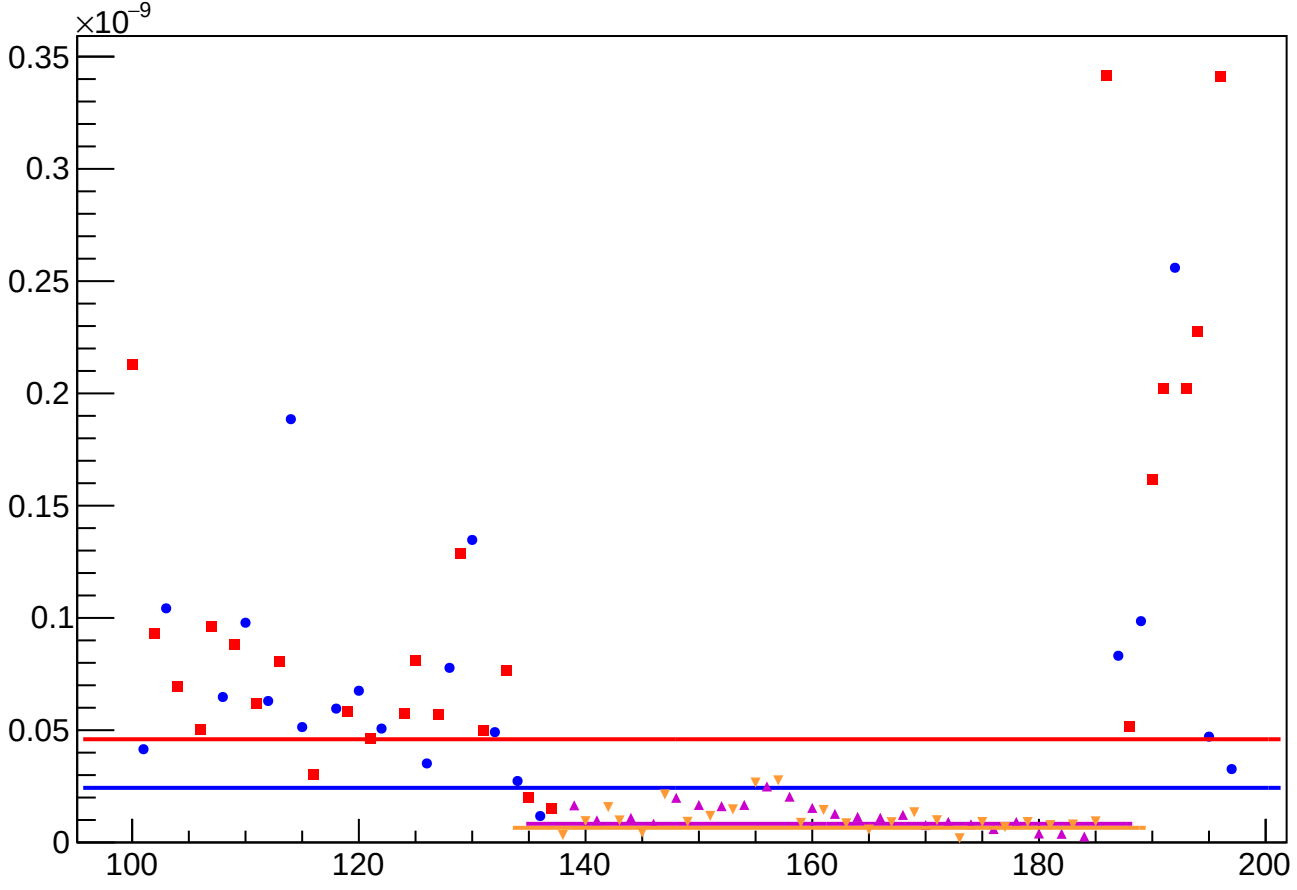
Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/25

Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.2/45

All: -0.000+/-0.000 χ^2/NDF: 82.5/94

- sign -0.000+/-0.000 χ^2/NDF: 36.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 4135889.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4102241.3/25

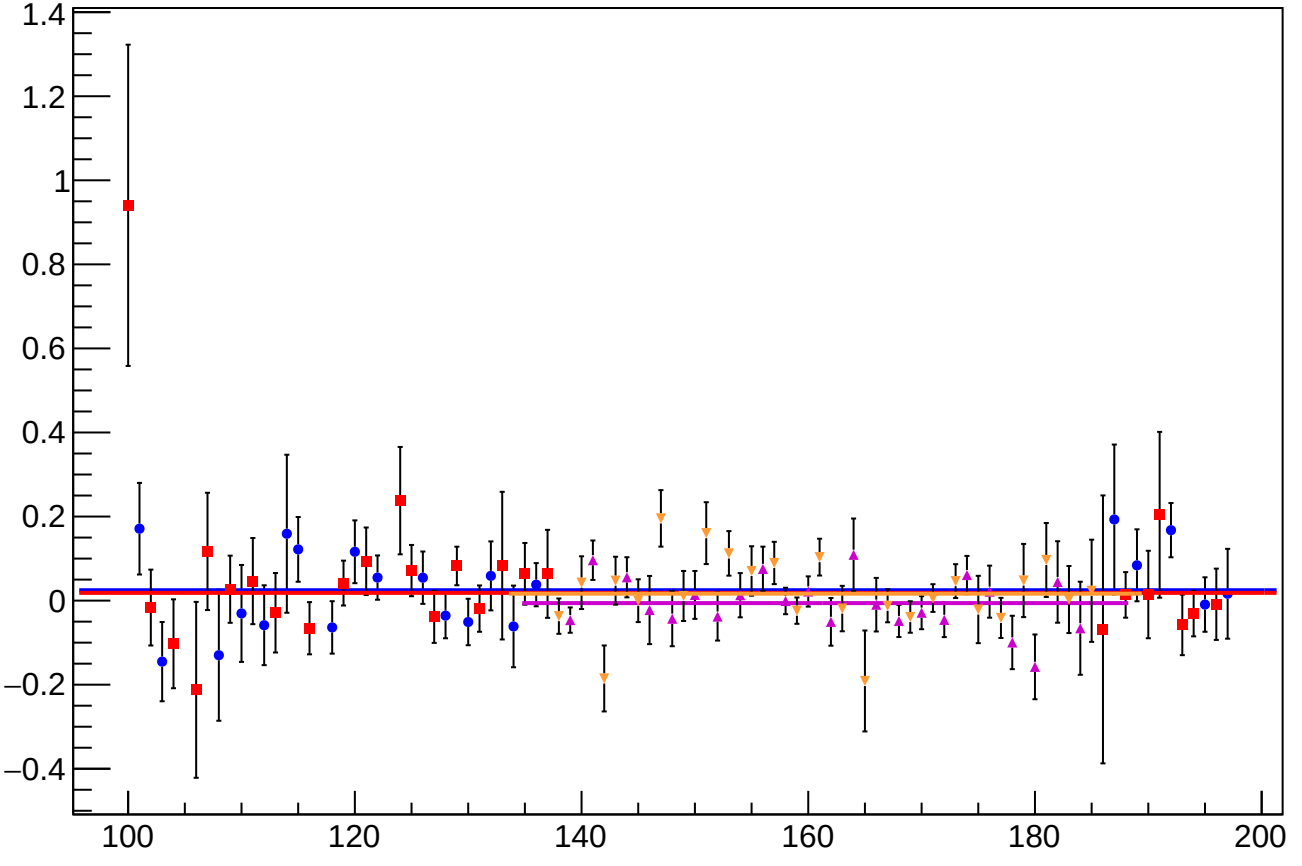
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9999444.4/45

All: 0.000+/-0.000 χ^2/NDF: 21401745.4/94

- sign 0.000+/-0.000 χ^2/NDF: 11075859.3/48

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.016 χ^2/NDF: 23.9/20

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.018+/-0.015 χ^2/NDF: 22.9/25

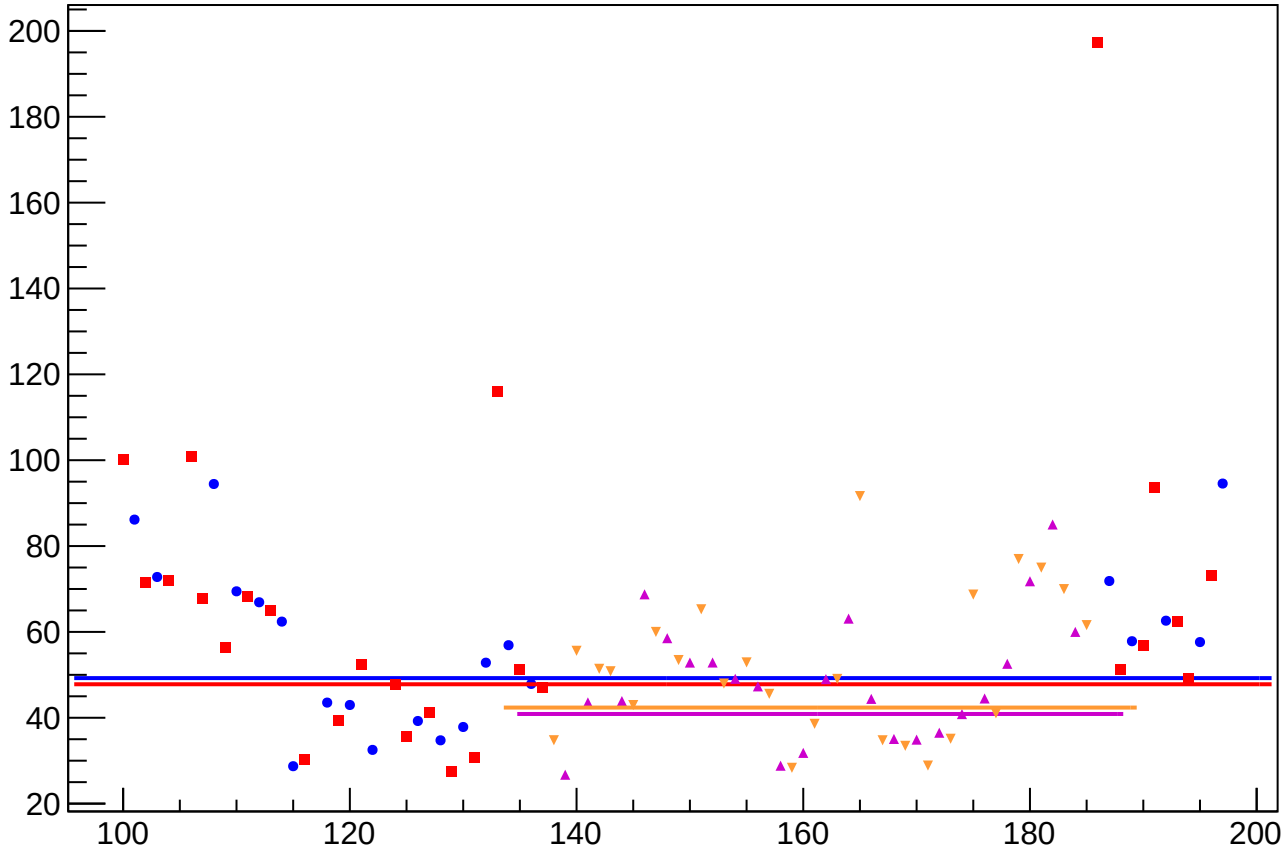
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/45

All: 0.010+/-0.006 χ^2/NDF: 117.7/94

- sign 0.002+/-0.009 χ^2/NDF: 50.6/48

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.237+/-0.012 χ^2/NDF: 1867702.0/20

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

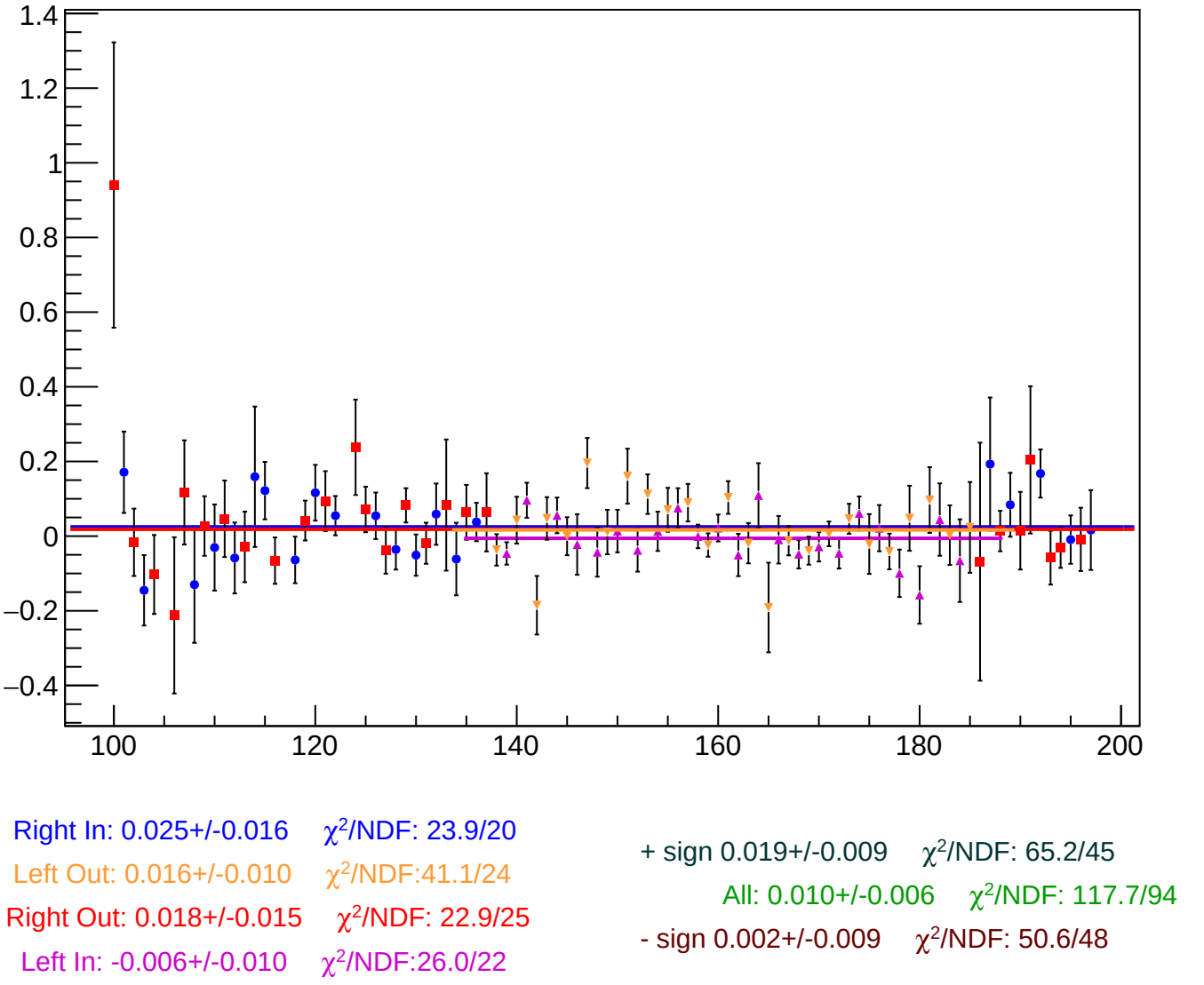
Right Out: 47.804+/-0.011 χ^2/NDF: 2661382.1/25

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

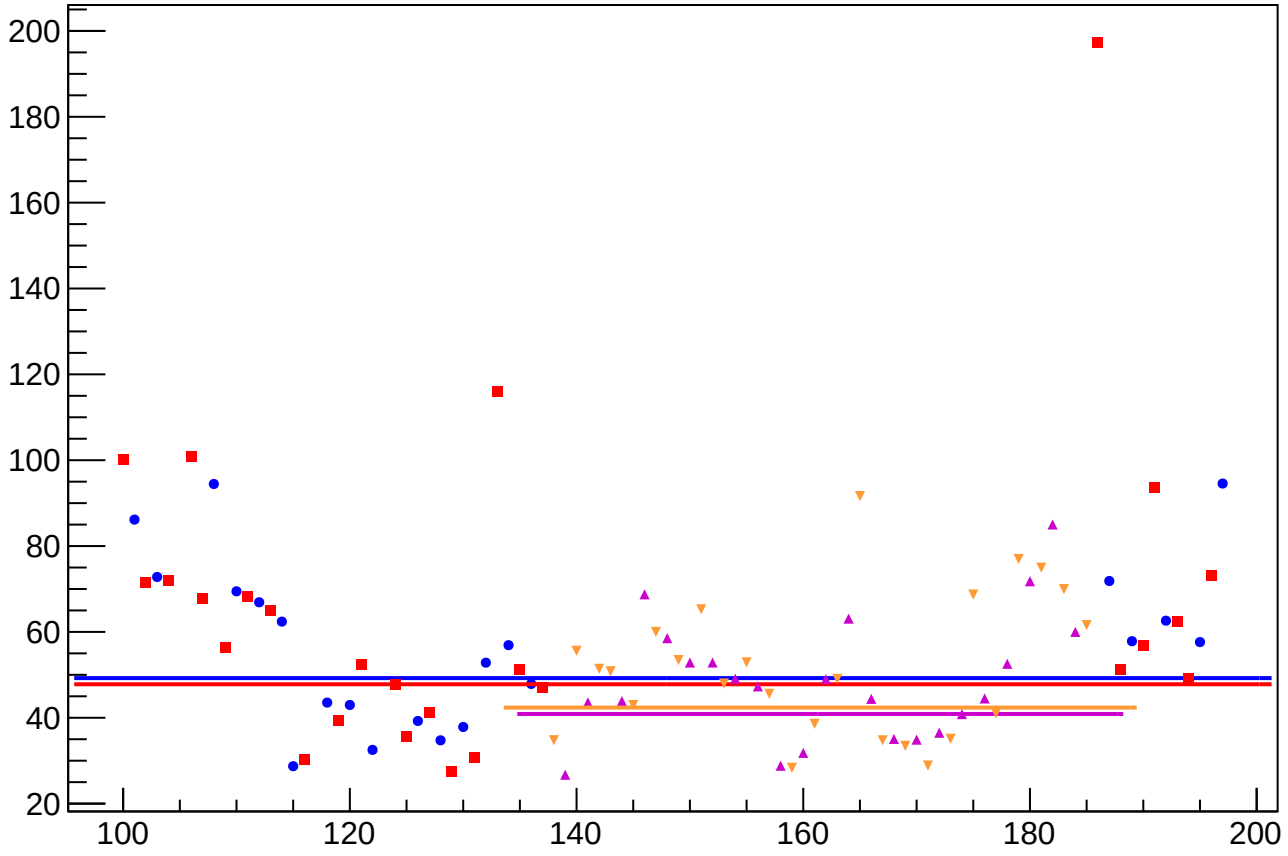
+ sign 44.327+/-0.006 χ^2/NDF: 5308955.9/45

All: 43.664+/-0.004 χ^2/NDF: 10953045.4/94

- sign 43.033+/-0.006 χ^2/NDF: 5621679.5/48


asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.025+/-0.016 χ²/NDF: 23.9/20
Left Out: 0.016+/-0.010 χ²/NDF:41.1/24
Right Out: 0.018+/-0.015 χ²/NDF: 22.9/25
Left In: -0.006+/-0.010 χ²/NDF:26.0/22
+ sign 0.019+/-0.009 χ²/NDF: 65.2/45
All: 0.010+/-0.006 χ²/NDF: 117.7/94
- sign 0.002+/-0.009 χ²/NDF: 50.6/48

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.237+/-0.012 χ^2/NDF: 1867702.0/20

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

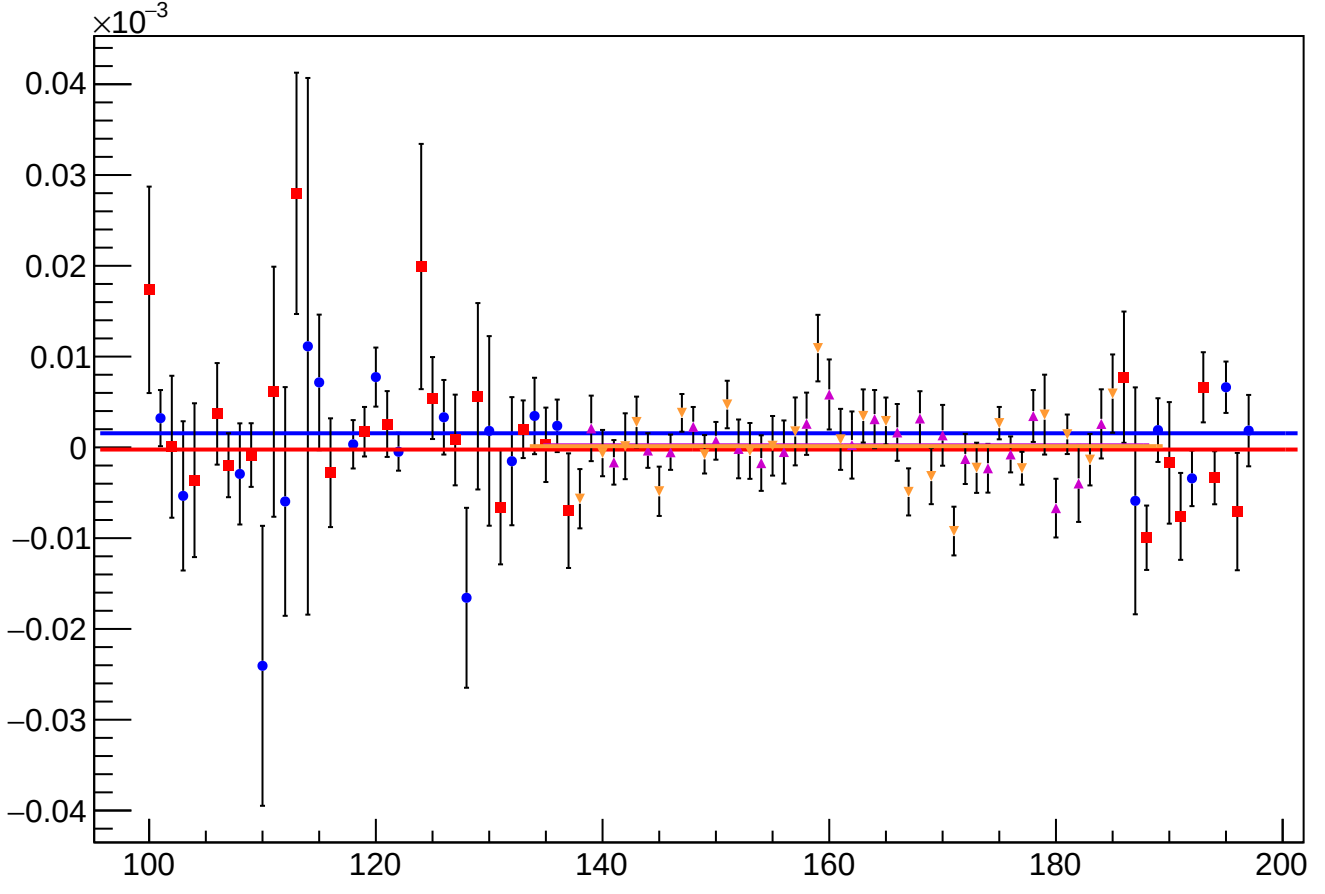
Right Out: 47.804+/-0.011 χ^2/NDF: 2661382.1/25

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

\+ sign 44.327+/-0.006 χ^2/NDF: 5308955.9/45

All: 43.664+/-0.004 χ^2/NDF: 10953045.4/94

\- sign 43.033+/-0.006 χ^2/NDF: 5621679.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/25

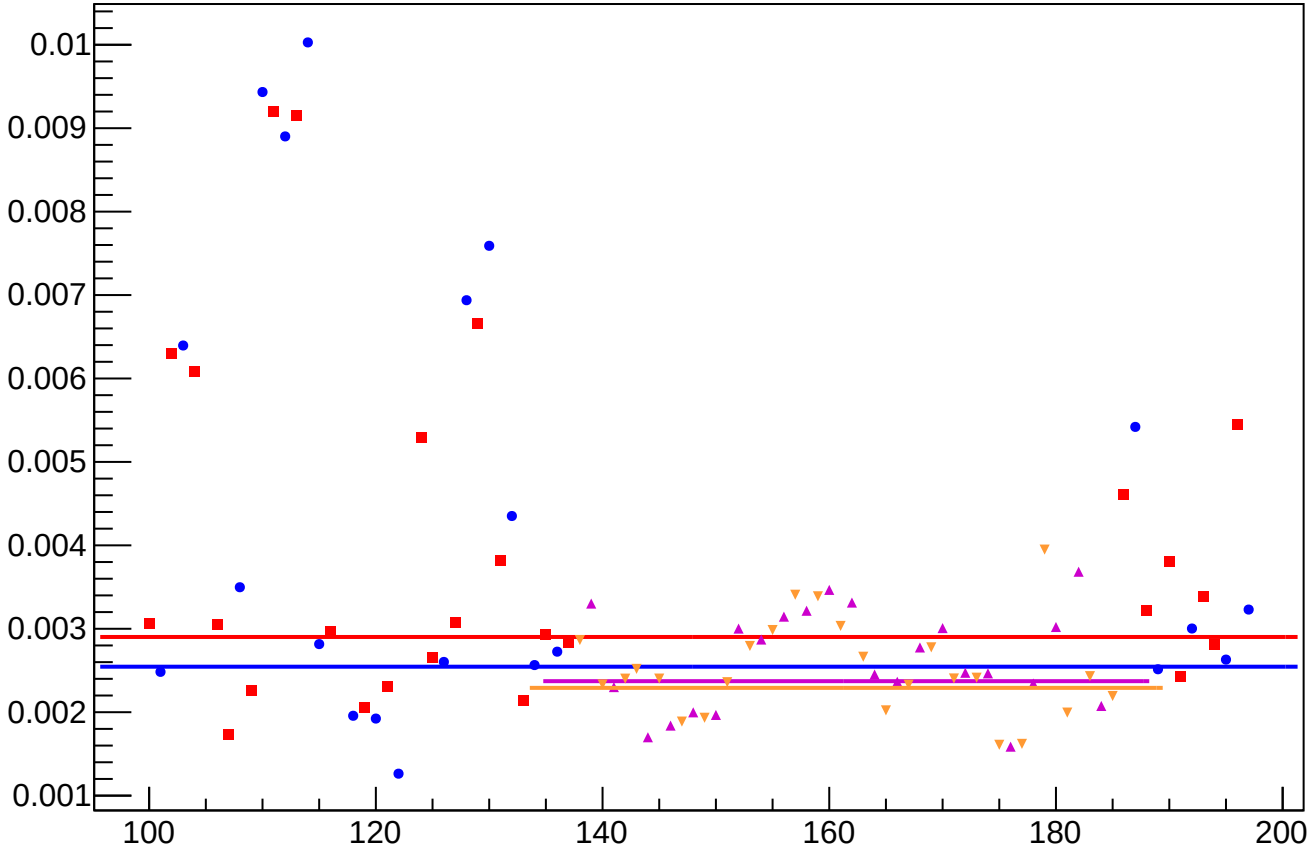
Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.3/45

All: 0.000+/-0.000 χ^2/NDF: 121.4/94

- sign 0.000+/-0.000 χ^2/NDF: 48.7/48

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3676305.2/20

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

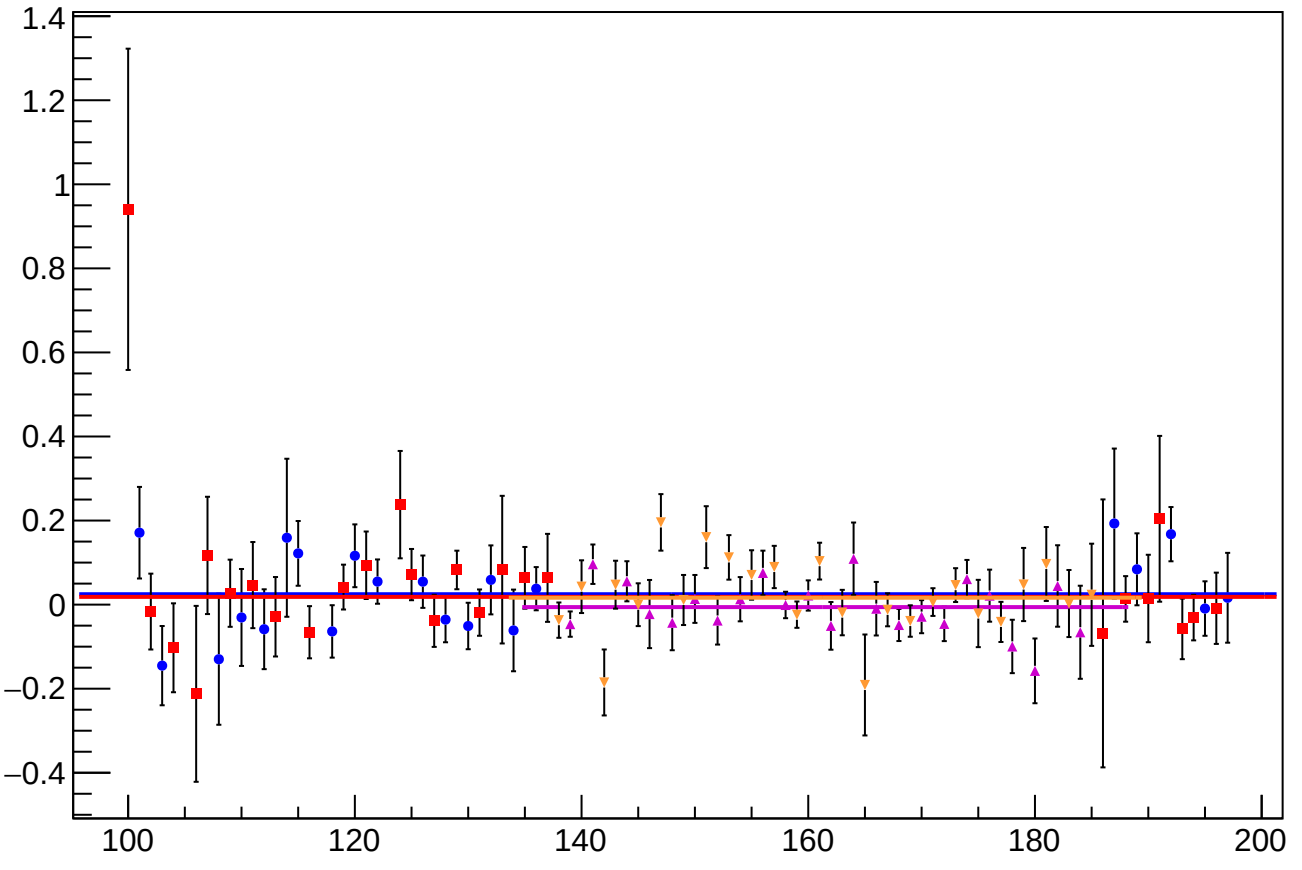
Right Out: 0.003+/-0.000 χ^2/NDF: 3081697.9/25

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5617314.2/45

All: 0.002+/-0.000 χ^2/NDF: 11303831.5/94

- sign 0.003+/-0.000 χ^2/NDF: 5573657.6/48



Right In: 0.025+/-0.016 χ^2/NDF: 23.9/20

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.018+/-0.015 χ^2/NDF: 22.9/25

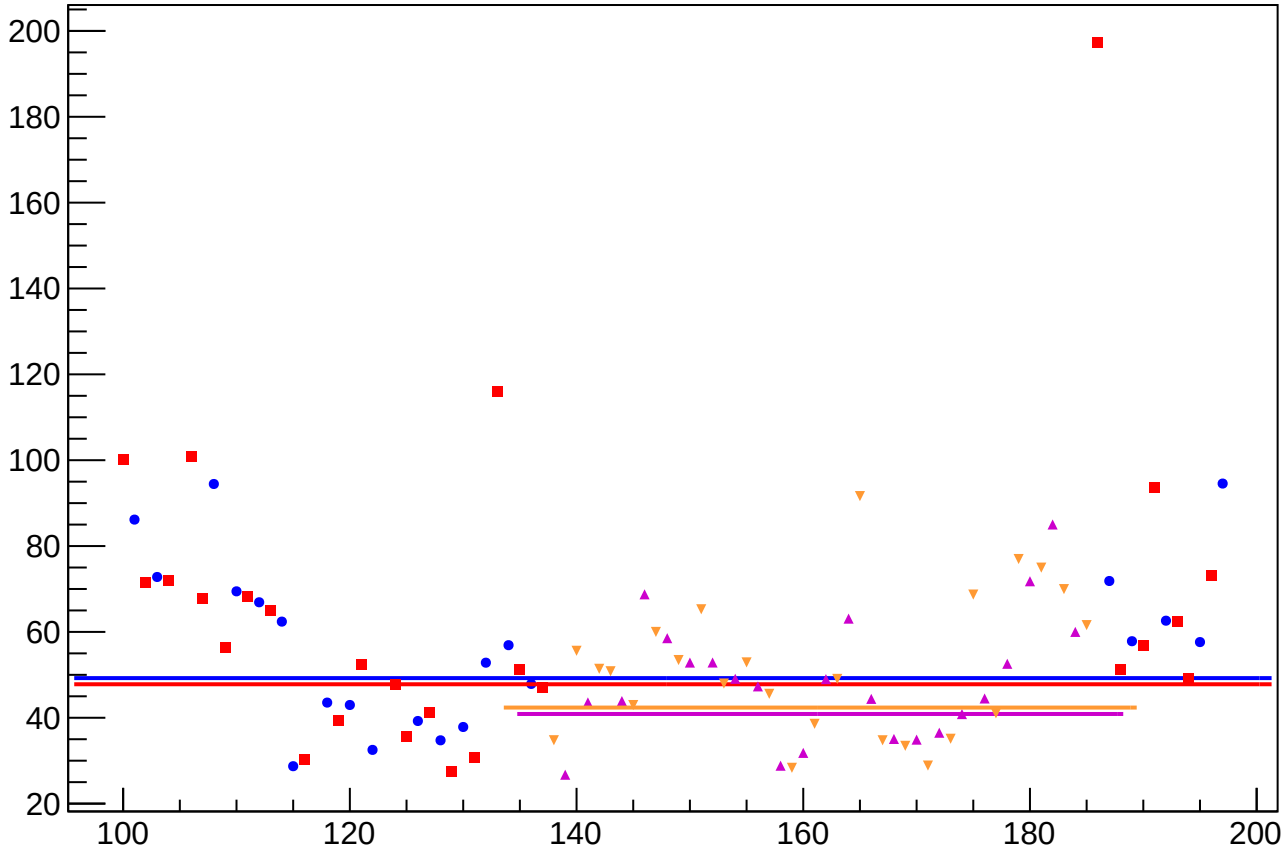
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/45

All: 0.010+/-0.006 χ^2/NDF: 117.7/94

- sign 0.002+/-0.009 χ^2/NDF: 50.6/48

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.237+/-0.012 χ^2/NDF: 1867644.3/20

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 47.805+/-0.011 χ^2/NDF: 2661266.1/25

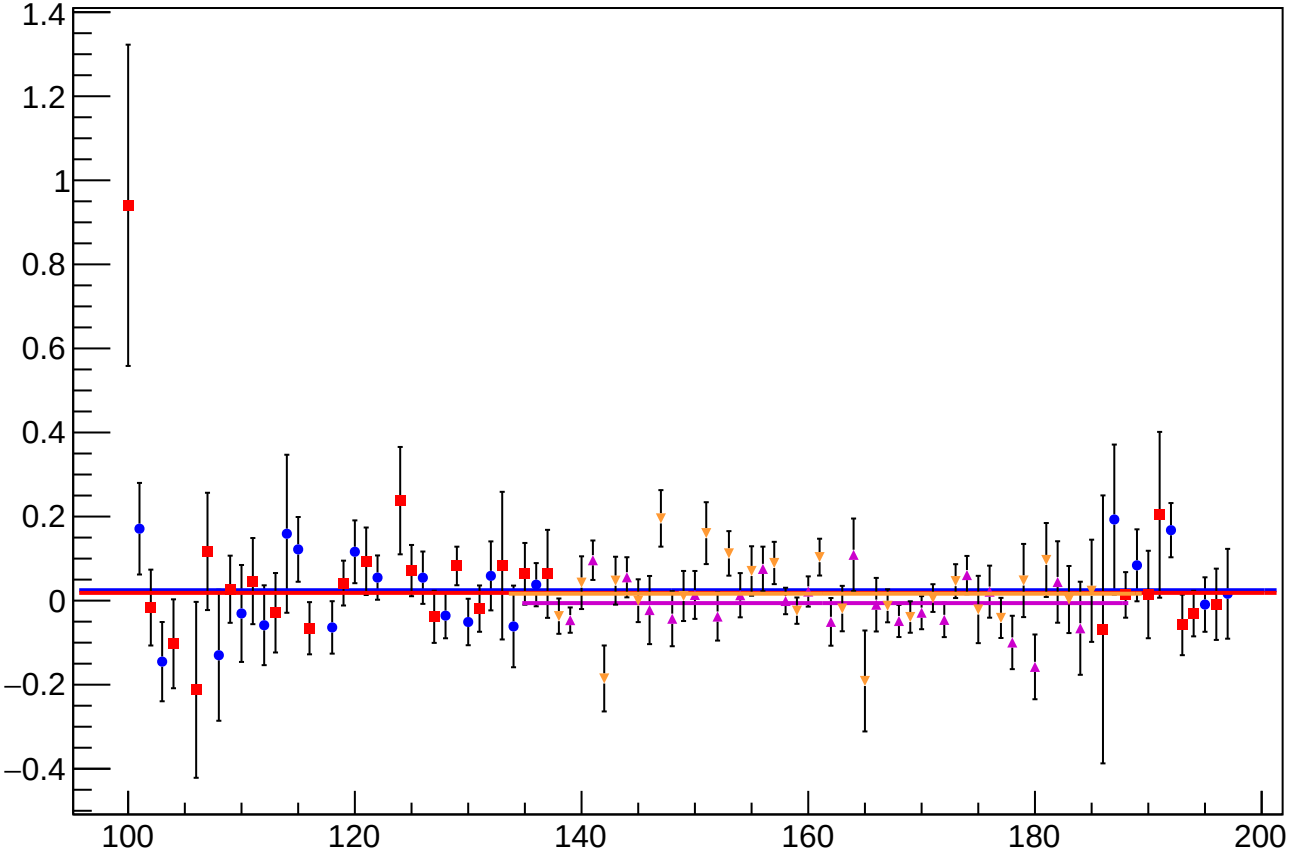
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.328+/-0.006 χ^2/NDF: 5308901.6/45

All: 43.664+/-0.004 χ^2/NDF: 10952879.9/94

- sign 43.034+/-0.006 χ^2/NDF: 5621572.4/48

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.025+/-0.016 χ^2/NDF: 23.9/20

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

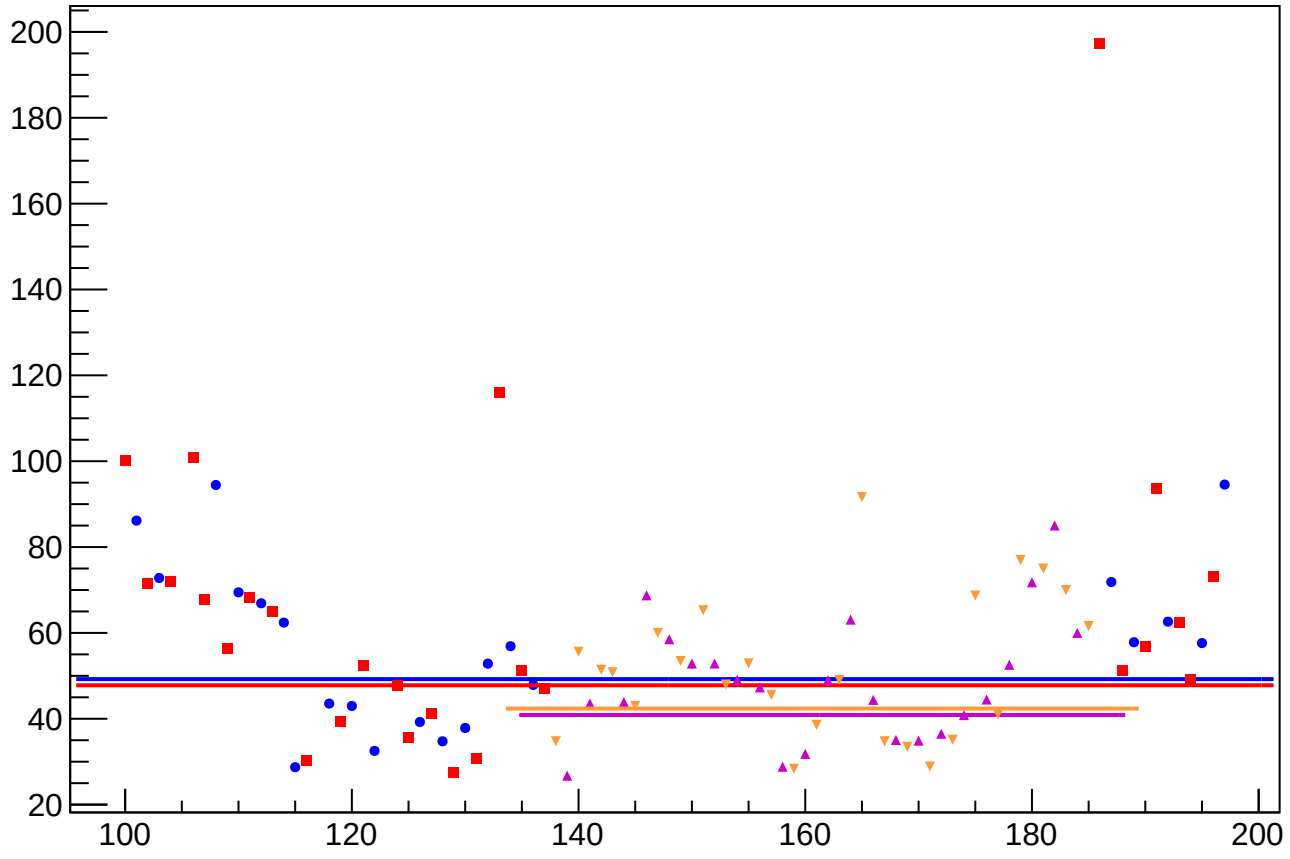
Right Out: 0.018+/-0.015 χ^2/NDF: 22.9/25

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.2/45

All: 0.010+/-0.006 χ^2/NDF: 117.7/94

- sign 0.002+/-0.009 χ^2/NDF: 50.6/48



Right In: 49.237+/-0.012 χ^2/NDF: 1867644.3/20

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

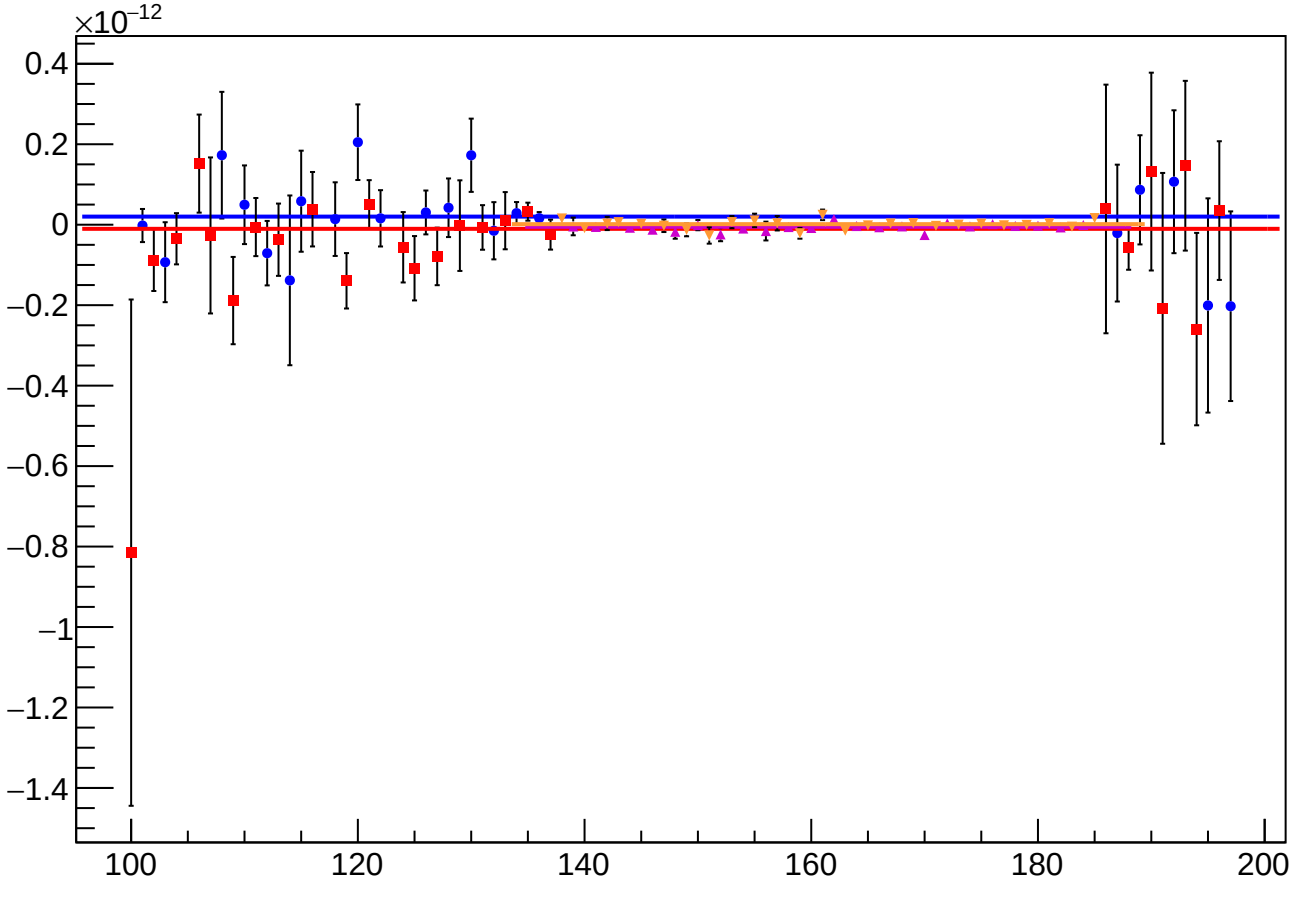
Right Out: 47.805+/-0.011 χ^2/NDF: 2661266.1/25

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.328+/-0.006 χ^2/NDF: 5308901.6/45

All: 43.664+/-0.004 χ^2/NDF: 10952879.9/94

- sign 43.034+/-0.006 χ^2/NDF: 5621572.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 13.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

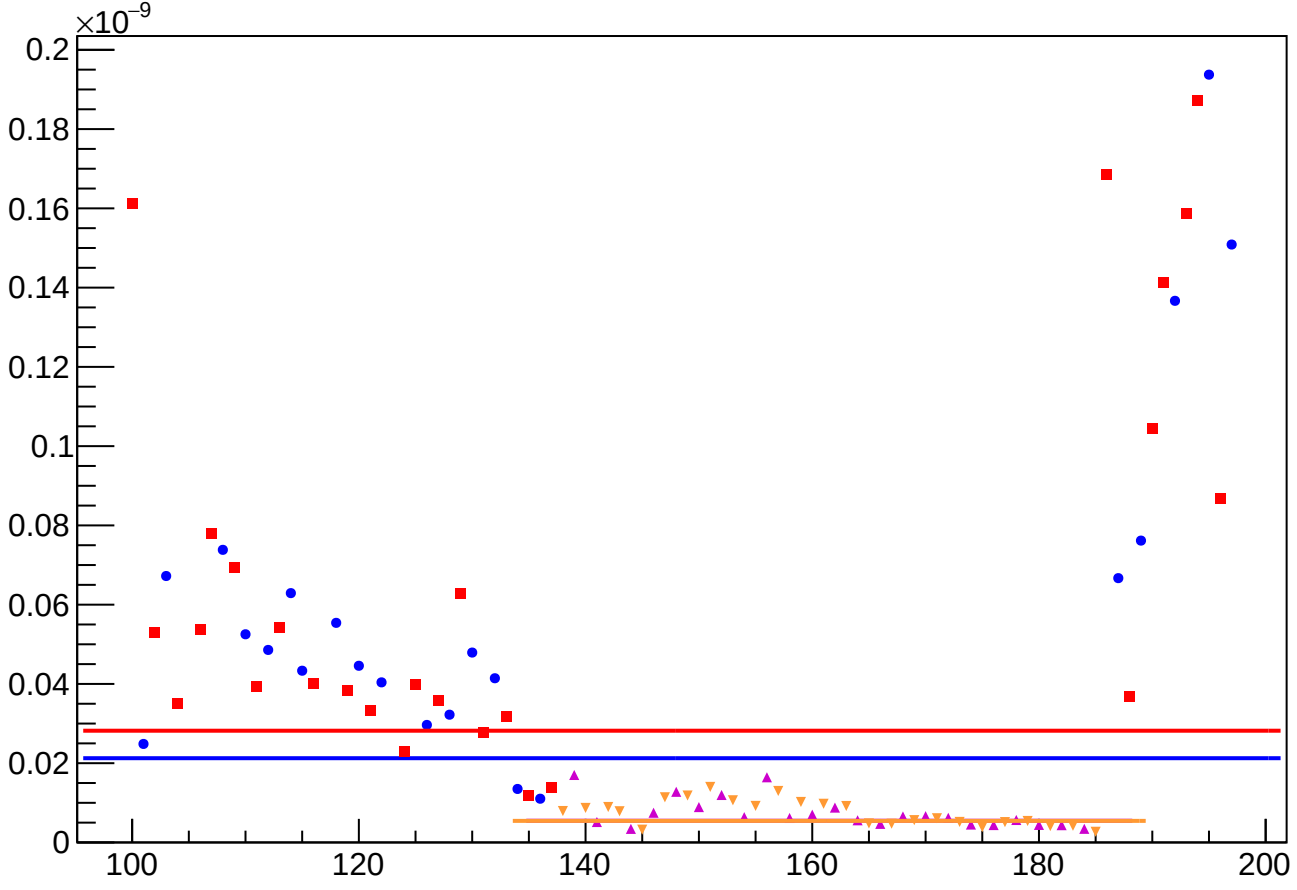
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/25

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.4/45

All: -0.000+/-0.000 χ^2/NDF: 79.9/94

- sign -0.000+/-0.000 χ^2/NDF: 35.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 6042003.7/20

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5542898.6/25

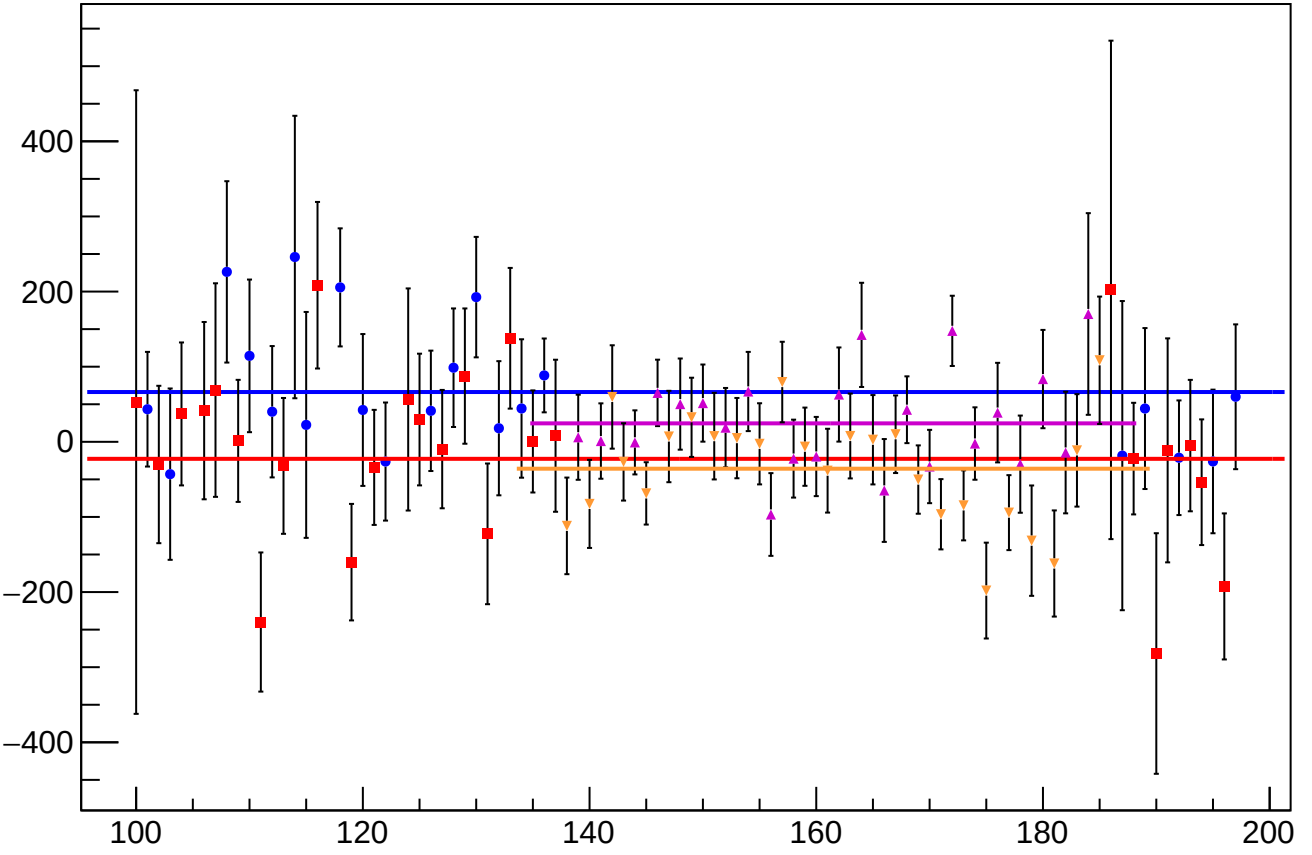
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 13813059.7/45

All: 0.000+/-0.000 χ^2/NDF: 28001448.2/94

- sign 0.000+/-0.000 χ^2/NDF: 14186872.4/48

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 66.280+/-19.360 χ^2/NDF: 14.4/20

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -22.640+/-18.920 χ^2/NDF: 27.0/25

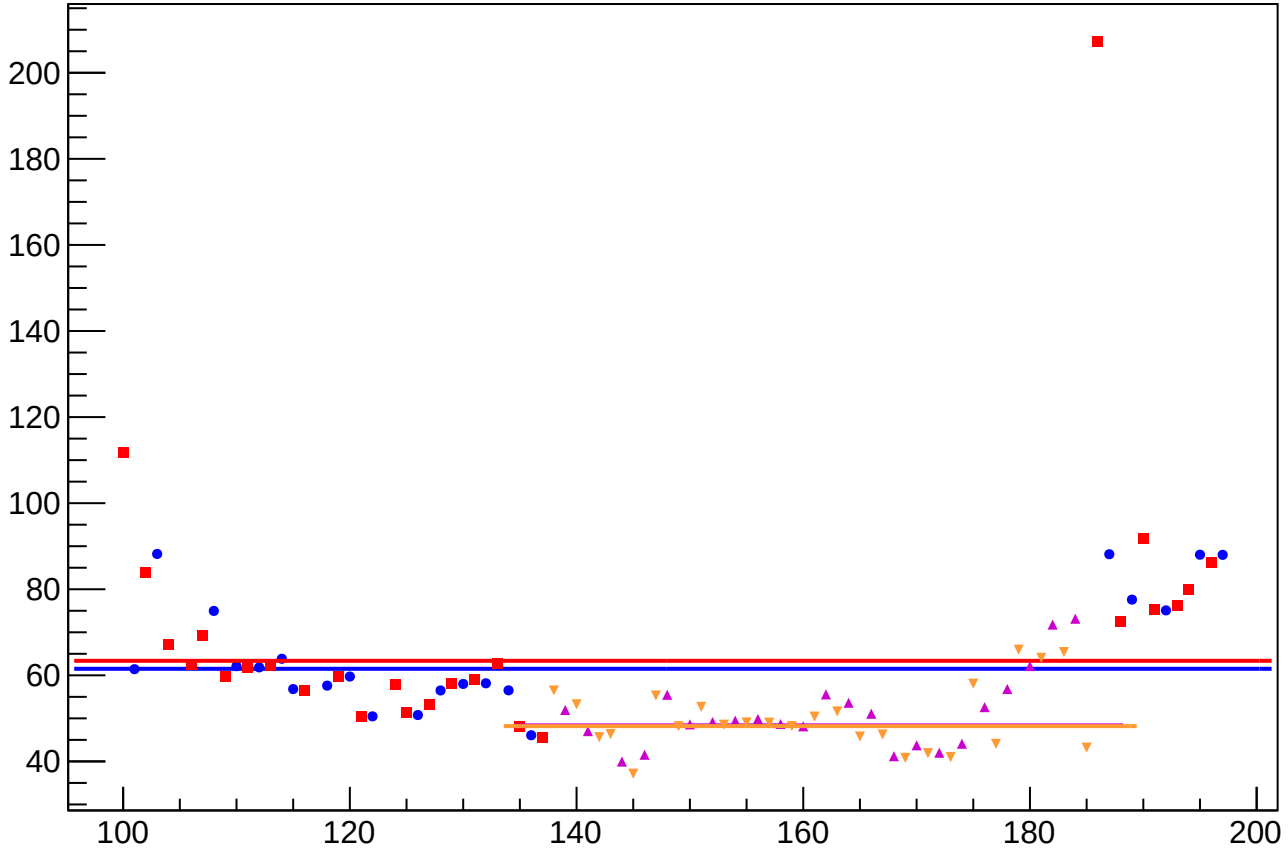
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -10.468+/-9.642 χ^2/NDF: 69.0/45

All: 0.515+/-6.876 χ^2/NDF: 129.0/94

- sign 11.882+/-9.809 χ^2/NDF: 57.3/48

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.517+/-0.014 χ^2/NDF: 882428.6/20

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

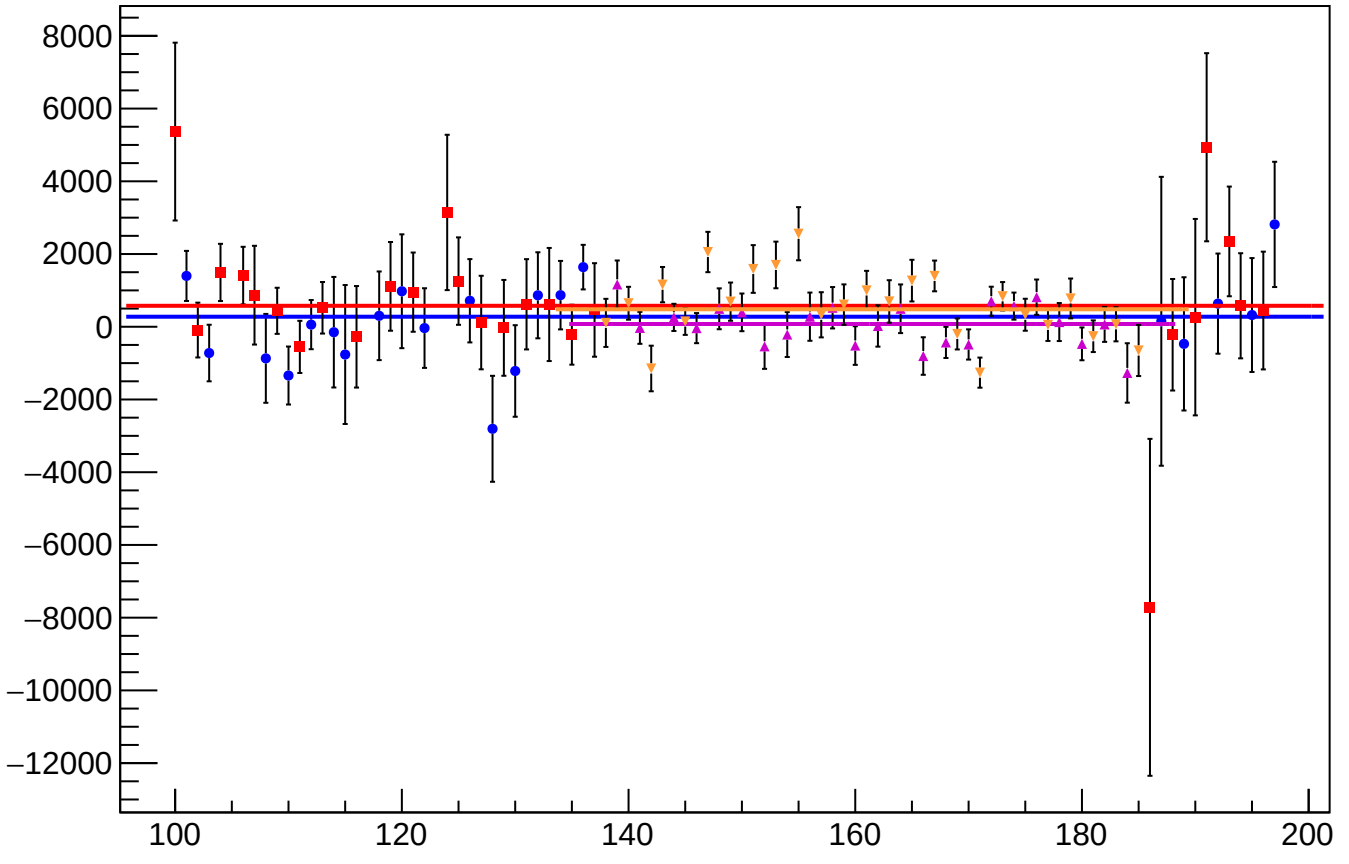
Right Out: 63.372+/-0.013 χ^2/NDF: 1146016.1/25

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.502+/-0.007 χ^2/NDF: 2374544.3/45

All: 51.948+/-0.005 χ^2/NDF: 5142812.2/94

- sign 52.410+/-0.007 χ^2/NDF: 2759554.6/48



Right In: 276.054+/-230.518 χ^2/NDF: 24.1/20

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 576.410+/-216.053 χ^2/NDF: 21.1/25

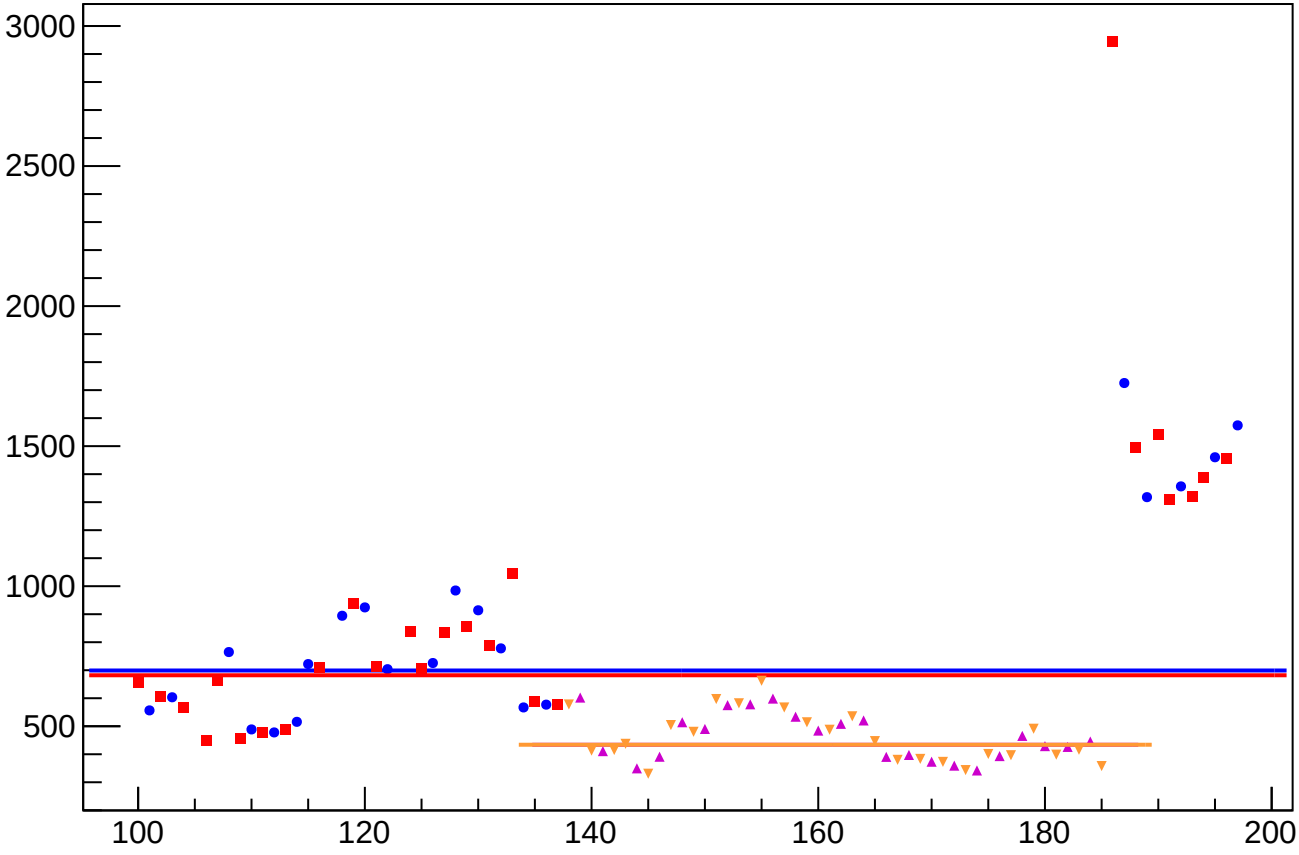
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 447.593+/-92.145 χ^2/NDF: 94.0/45

All: 309.480+/-65.481 χ^2/NDF: 148.4/94

- sign 168.583+/-93.069 χ^2/NDF: 49.9/48

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 699.012+/-0.163 χ^2/NDF: 2667244.6/20

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 681.989+/-0.153 χ^2/NDF: 3782514.3/25

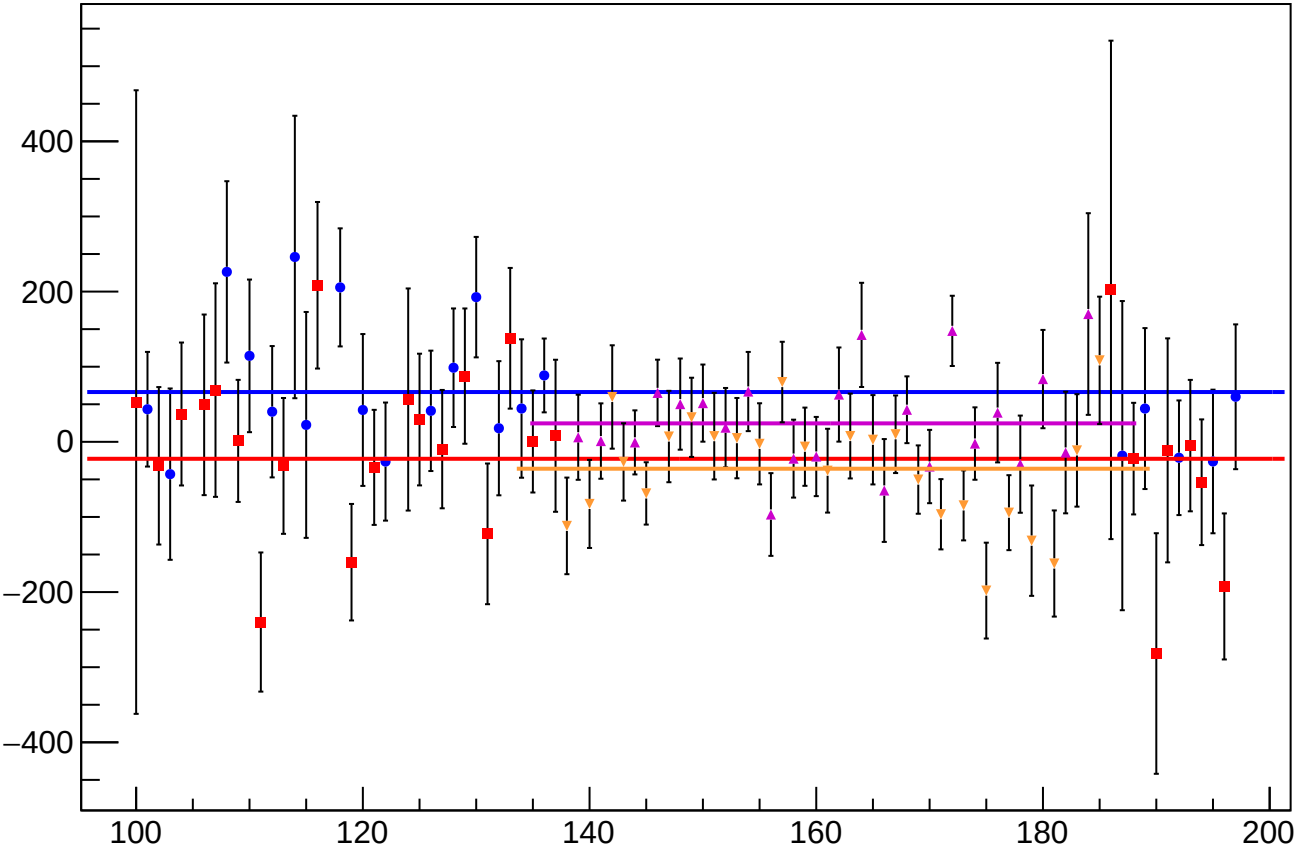
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 476.299+/-0.065 χ^2/NDF: 6132845.3/45

All: 478.028+/-0.046 χ^2/NDF: 13162403.2/94

- sign 479.791+/-0.066 χ^2/NDF: 7028135.9/48

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 66.283+/-19.360 χ^2/NDF: 14.4/20

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -22.567+/-18.929 χ^2/NDF: 27.1/25

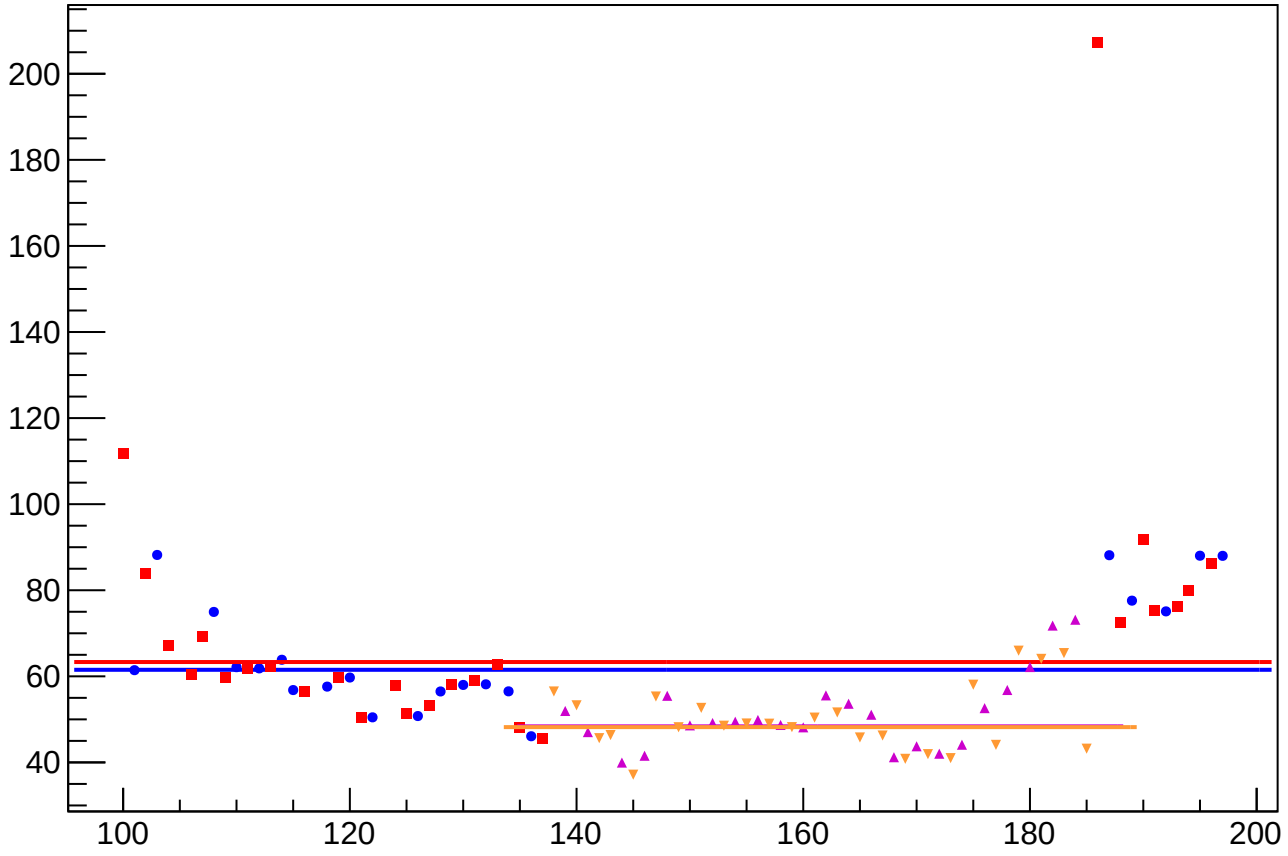
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -10.471+/-9.642 χ^2/NDF: 69.0/45

All: 0.526+/-6.877 χ^2/NDF: 129.0/94

\- sign 11.911+/-9.810 χ^2/NDF: 57.4/48

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.518+/-0.014 χ^2/NDF: 882432.1/20

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

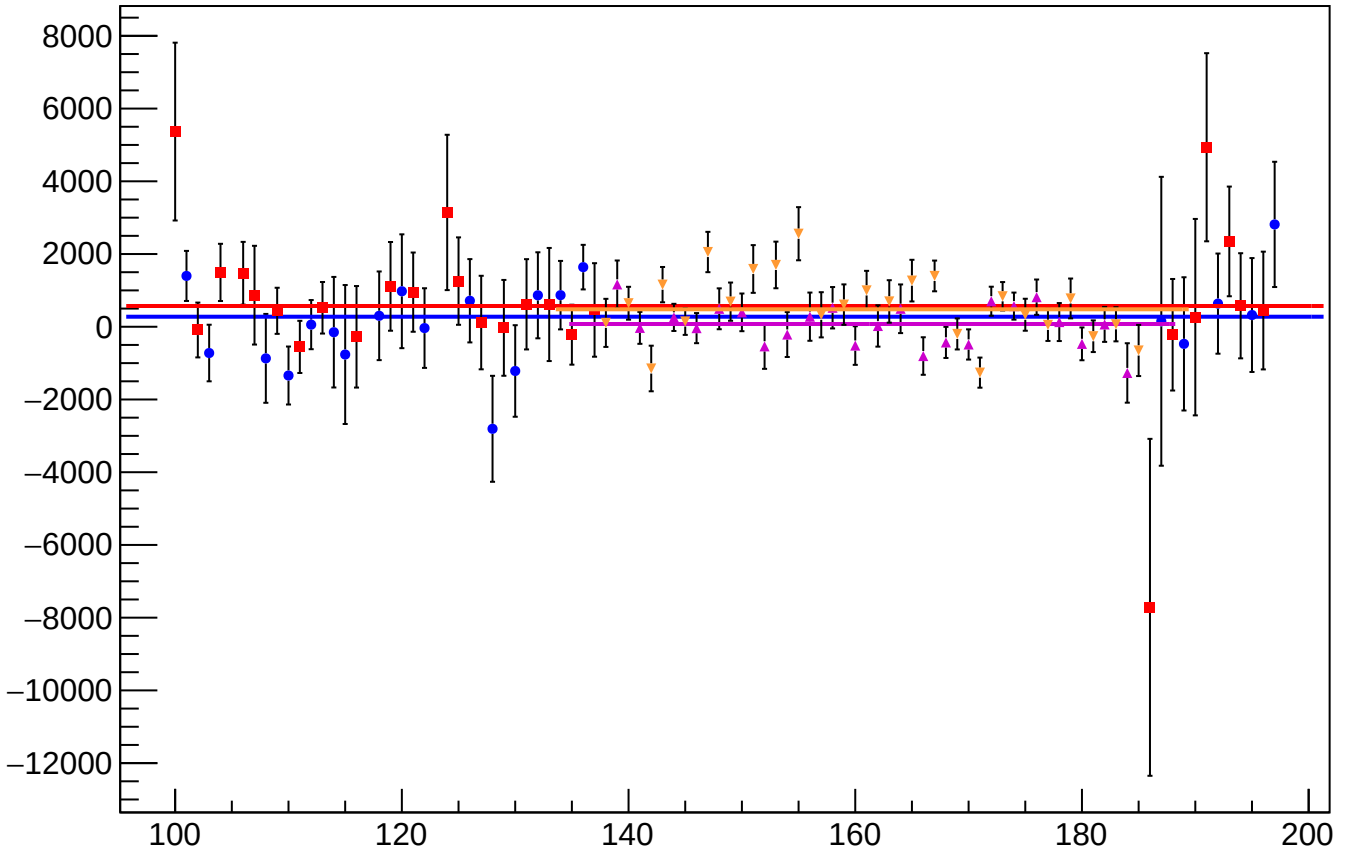
Right Out: 63.323+/-0.013 χ^2/NDF: 1147294.8/25

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.502+/-0.007 χ^2/NDF: 2374548.3/45

All: 51.940+/-0.005 χ^2/NDF: 5137135.5/94

- sign 52.394+/-0.007 χ^2/NDF: 2754180.3/48



Right In: 276.090+/-230.519 χ^2/NDF: 24.1/20

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 570.785+/-217.351 χ^2/NDF: 21.1/25

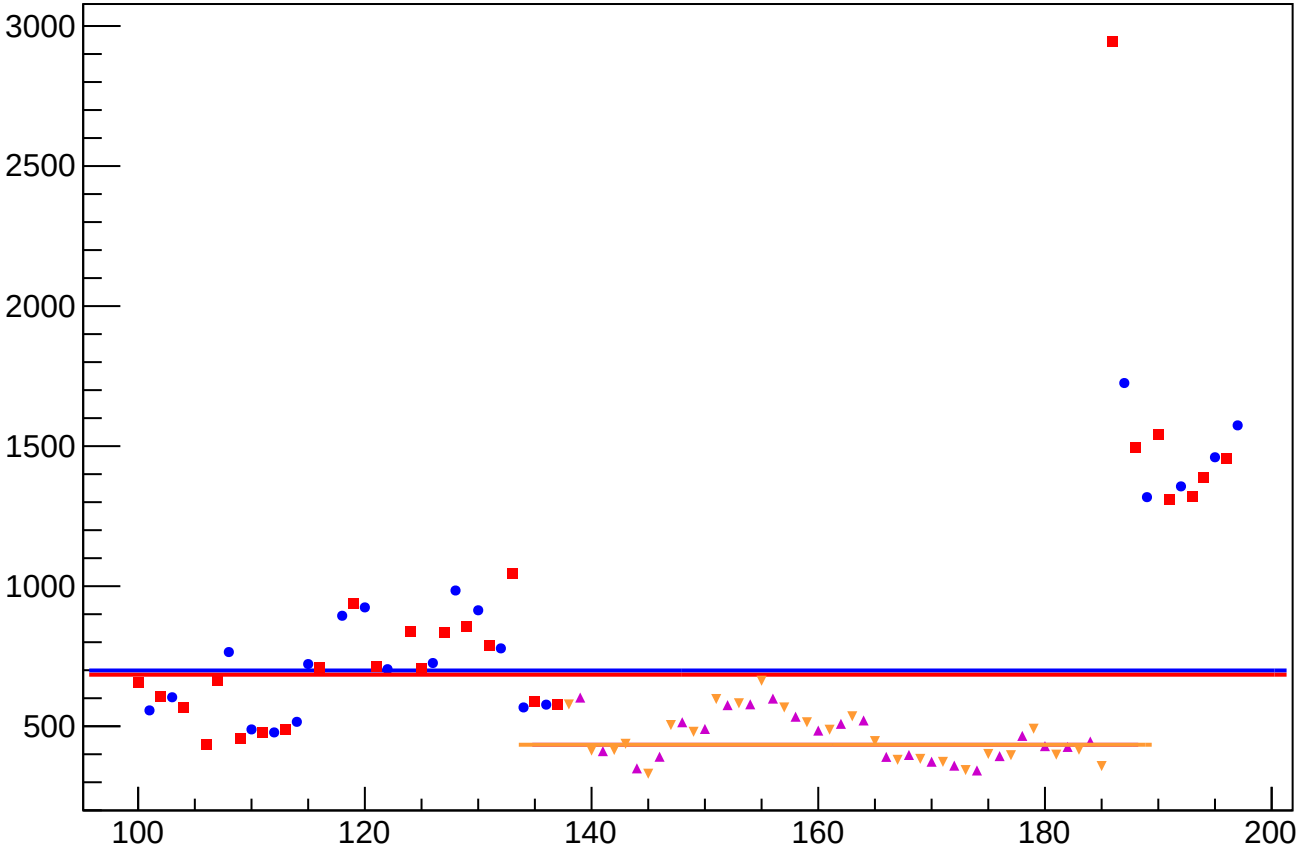
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 447.595+/-92.145 χ^2/NDF: 94.0/45

All: 308.679+/-65.517 χ^2/NDF: 148.3/94

- sign 166.648+/-93.172 χ^2/NDF: 49.8/48

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 699.018+/-0.163 χ^2/NDF: 2667210.8/20

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 683.988+/-0.154 χ^2/NDF: 3771427.1/25

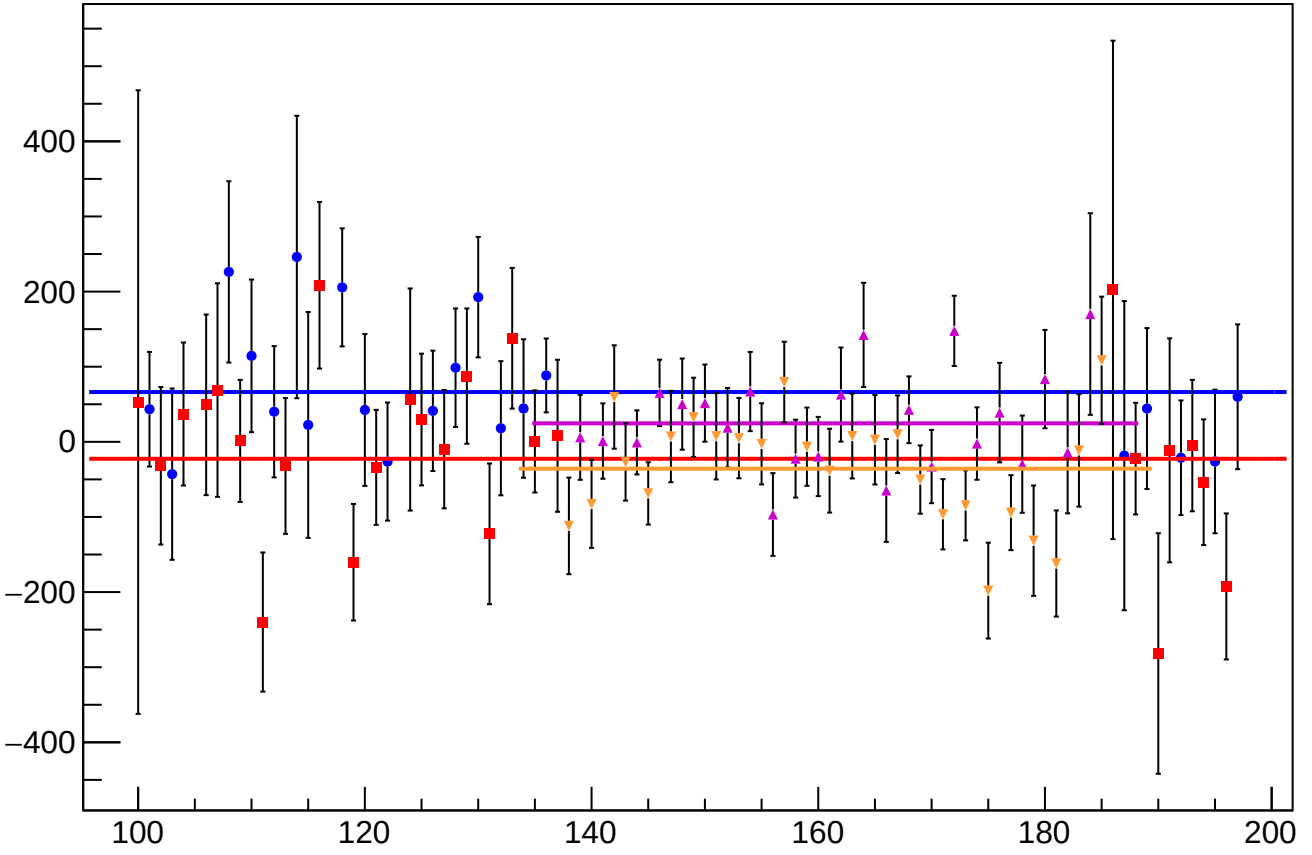
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 476.299+/-0.065 χ^2/NDF: 6132872.9/45

All: 477.986+/-0.046 χ^2/NDF: 13164803.1/94

- sign 479.711+/-0.066 χ^2/NDF: 7030574.7/48

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 66.283+/-19.360 χ^2/NDF: 14.4/20

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -22.567+/-18.929 χ^2/NDF: 27.1/25

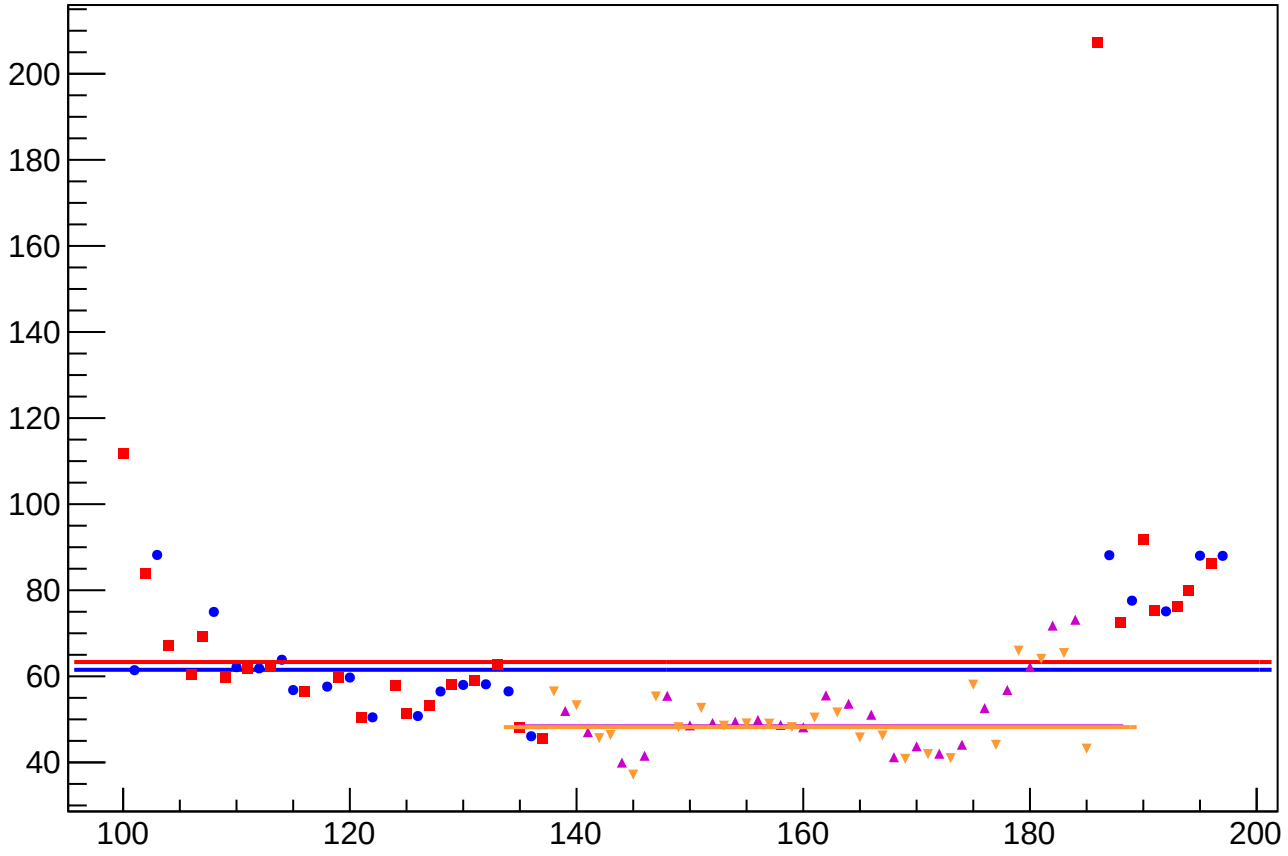
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -10.471+/-9.642 χ^2/NDF: 69.0/45

All: 0.526+/-6.877 χ^2/NDF: 129.0/94

- sign 11.911+/-9.810 χ^2/NDF: 57.4/48

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.518+/-0.014 χ^2/NDF: 882432.1/20

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

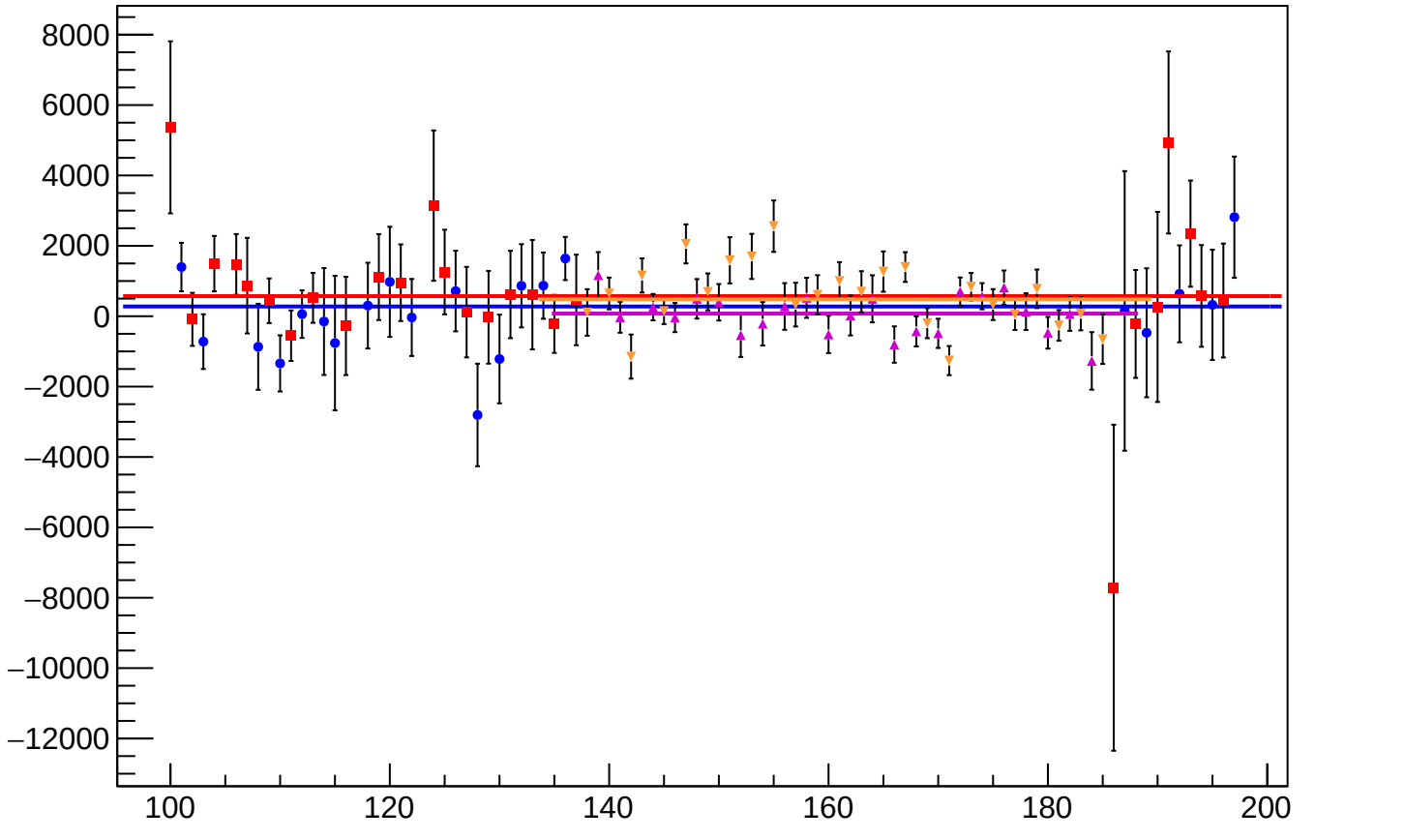
Right Out: 63.323+/-0.013 χ^2/NDF: 1147294.8/25

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 51.502+/-0.007 χ^2/NDF: 2374548.3/45

All: 51.940+/-0.005 χ^2/NDF: 5137135.5/94

- sign 52.394+/-0.007 χ^2/NDF: 2754180.3/48



Right In: 276.090+/-230.519 χ^2/NDF: 24.1/20

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 570.785+/-217.351 χ^2/NDF: 21.1/25

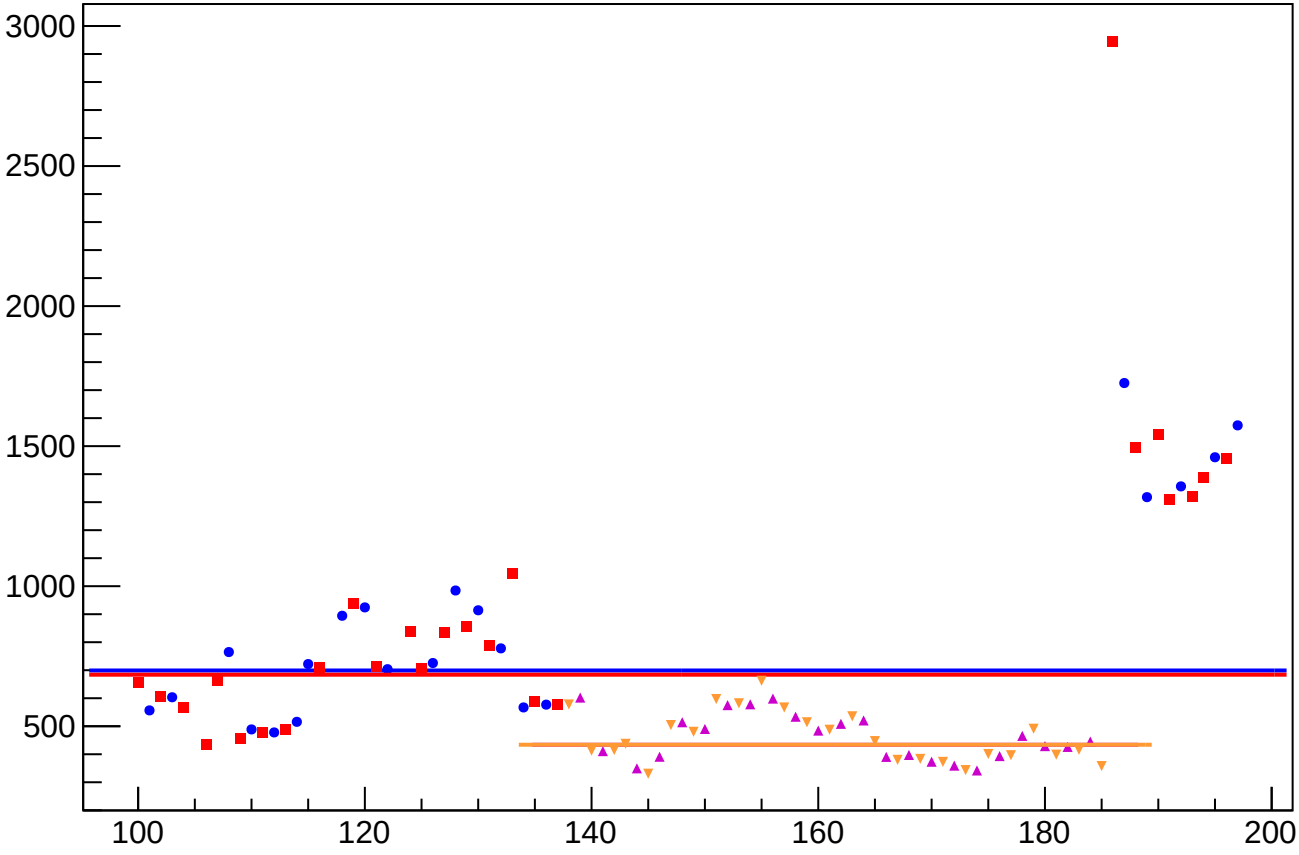
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 447.595+/-92.145 χ^2/NDF: 94.0/45

All: 308.679+/-65.517 χ^2/NDF: 148.3/94

- sign 166.648+/-93.172 χ^2/NDF: 49.8/48

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 699.018+/-0.163 χ^2/NDF: 2667210.8/20

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 683.988+/-0.154 χ^2/NDF: 3771427.1/25

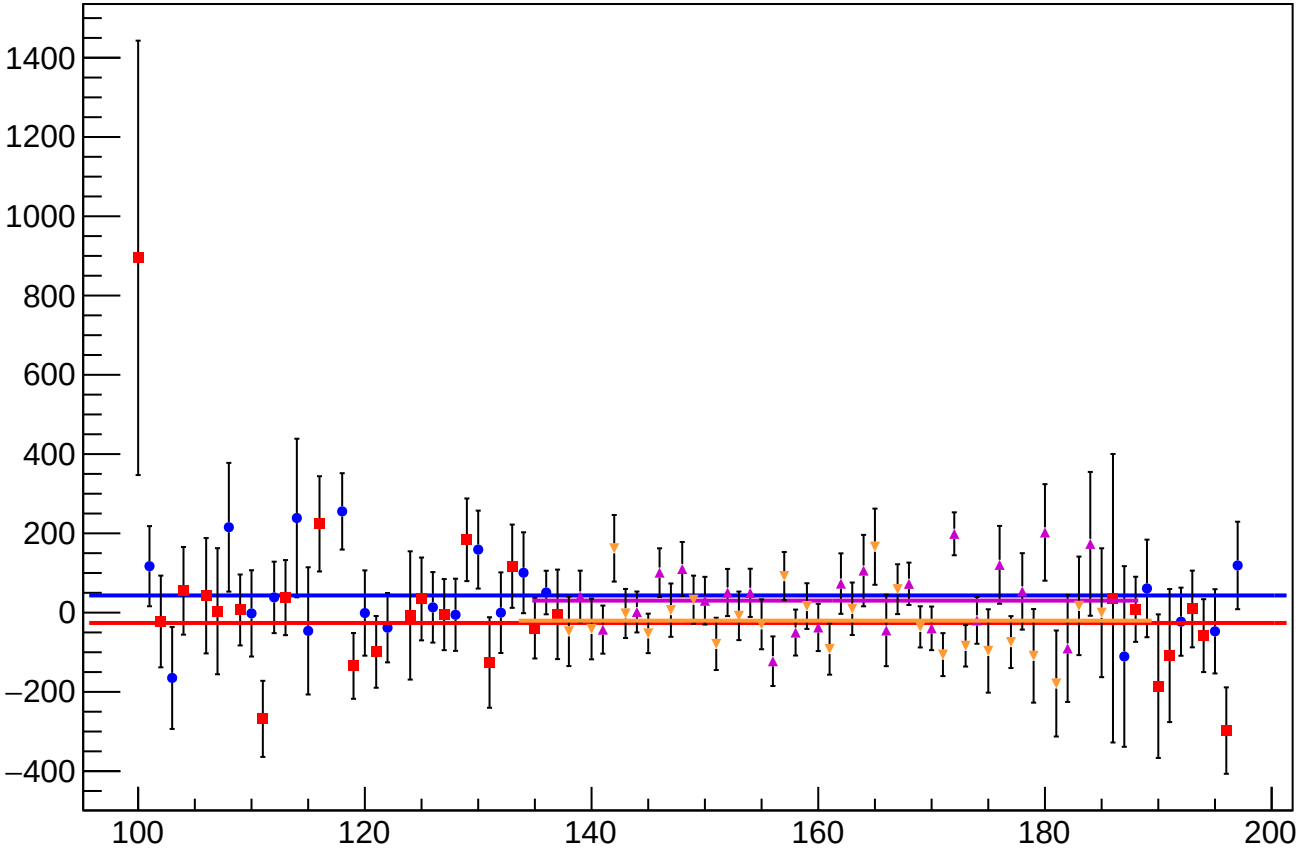
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 476.299+/-0.065 χ^2/NDF: 6132872.9/45

All: 477.986+/-0.046 χ^2/NDF: 13164803.1/94

- sign 479.711+/-0.066 χ^2/NDF: 7030574.7/48

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 43.328+/-22.041 χ^2/NDF: 16.2/20

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -26.089+/-21.219 χ^2/NDF: 32.1/25

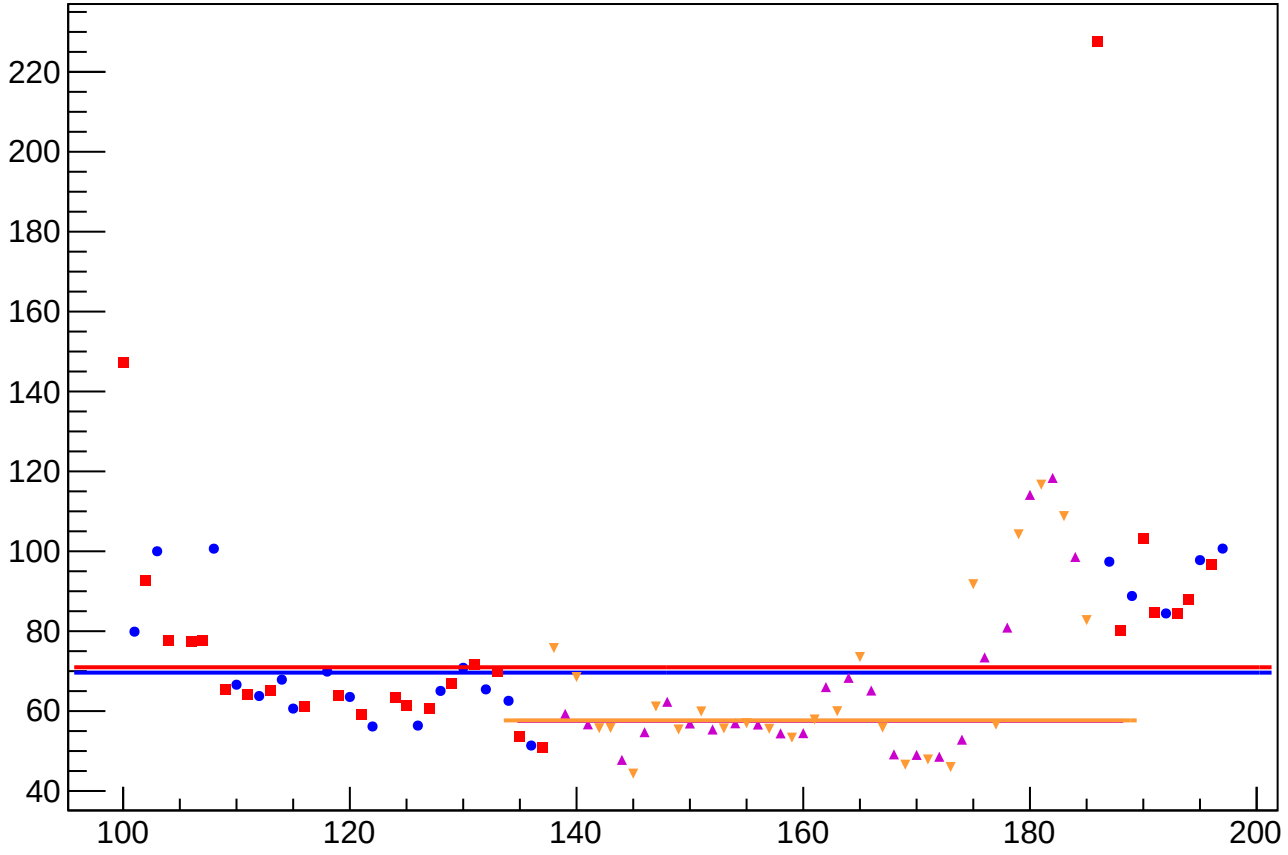
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -2.666+/-11.596 χ^2/NDF: 47.3/45

All: 5.238+/-8.227 χ^2/NDF: 117.8/94

- sign 13.247+/-11.673 χ^2/NDF: 69.6/48

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.626+/-0.016 χ^2/NDF: 995396.5/20

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 70.969+/-0.015 χ^2/NDF: 1118322.4/25

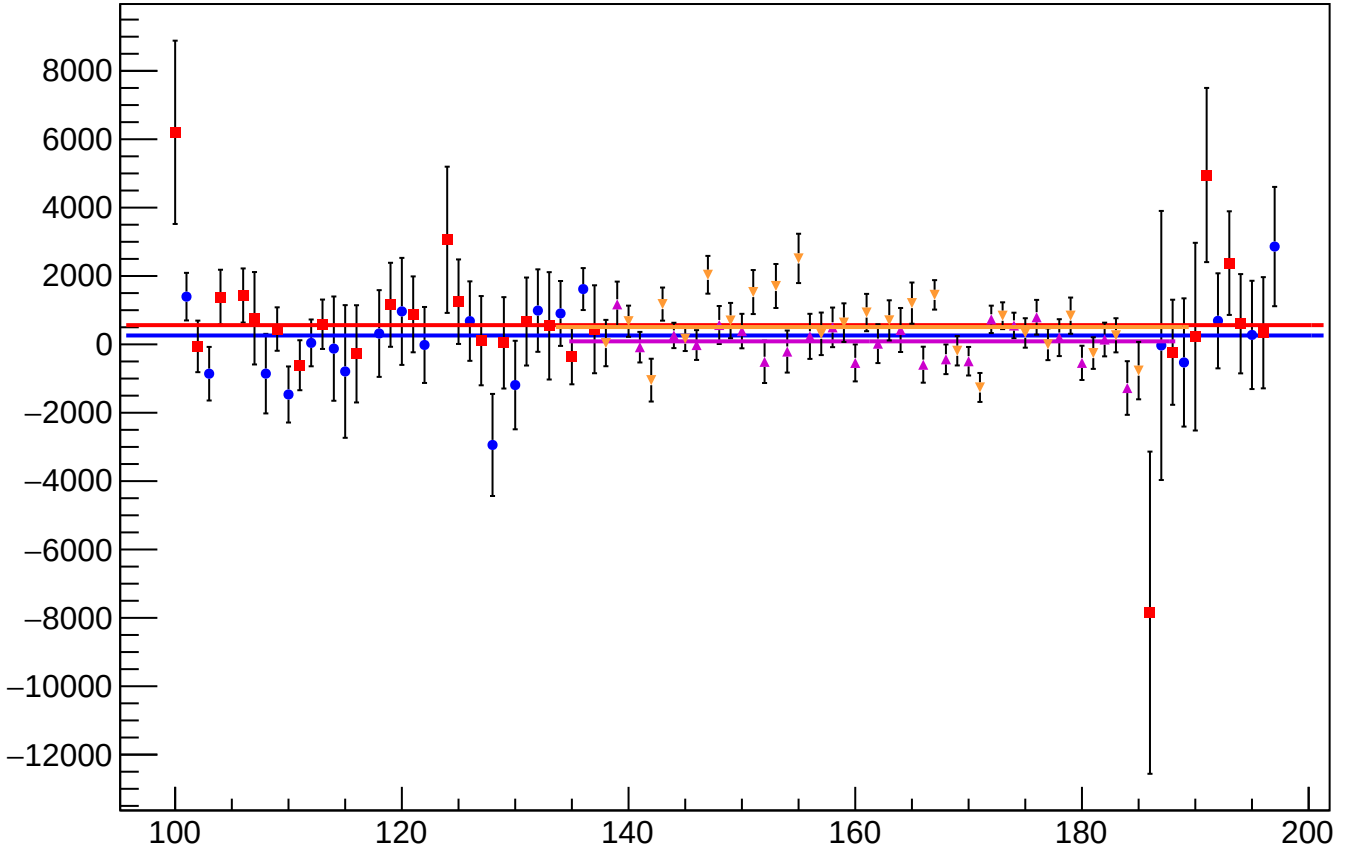
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 60.978+/-0.008 χ^2/NDF: 3330831.0/45

All: 61.289+/-0.006 χ^2/NDF: 6454038.6/94

- sign 61.604+/-0.008 χ^2/NDF: 3120313.4/48

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 259.922+/-233.012 χ^2/NDF: 25.0/20

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 562.553+/-218.222 χ^2/NDF: 21.7/25

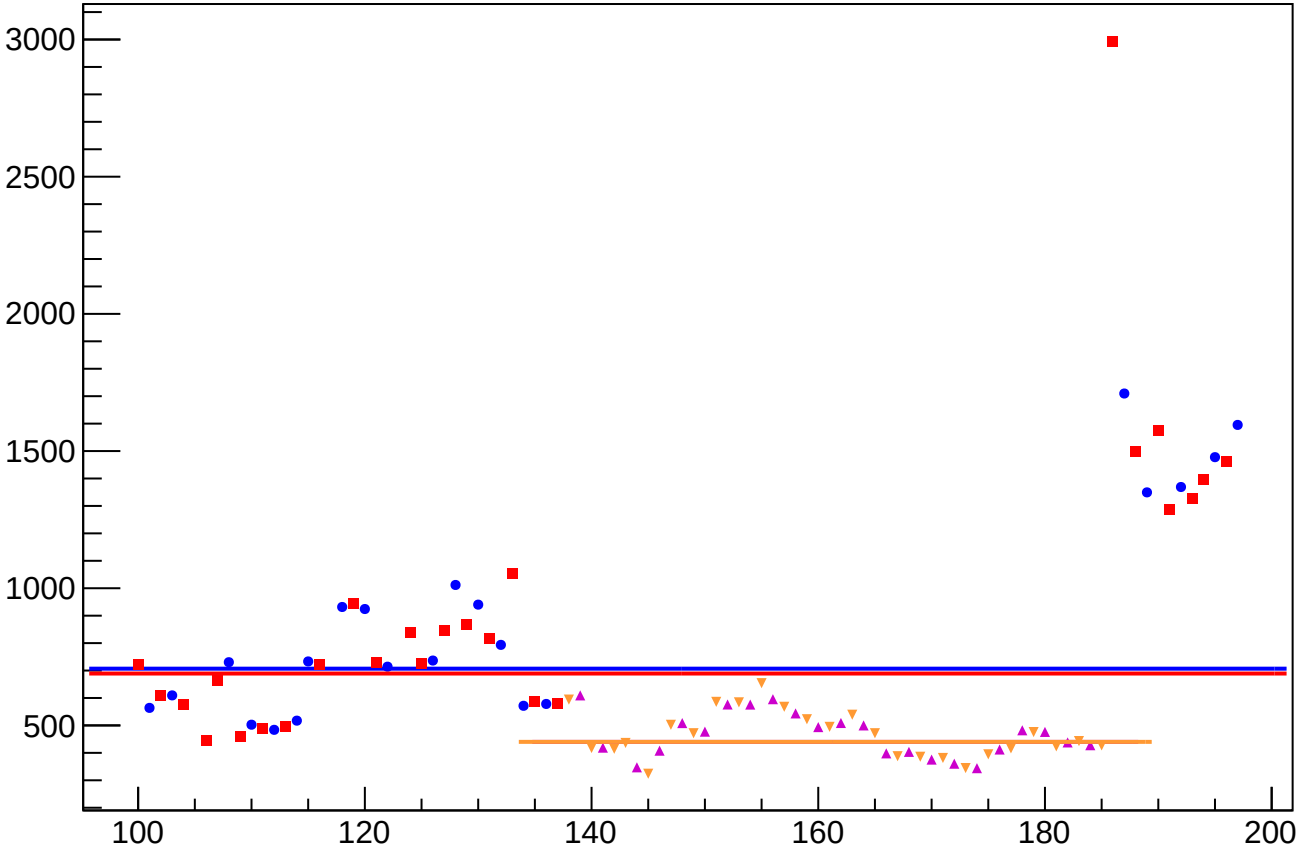
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 467.558+/-93.268 χ^2/NDF: 91.8/45

All: 323.831+/-66.306 χ^2/NDF: 145.4/94

- sign 176.964+/-94.281 χ^2/NDF: 48.9/48

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 706.837+/-0.165 χ^2/NDF: 2684416.6/20

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 689.147+/-0.154 χ^2/NDF: 3781247.8/25

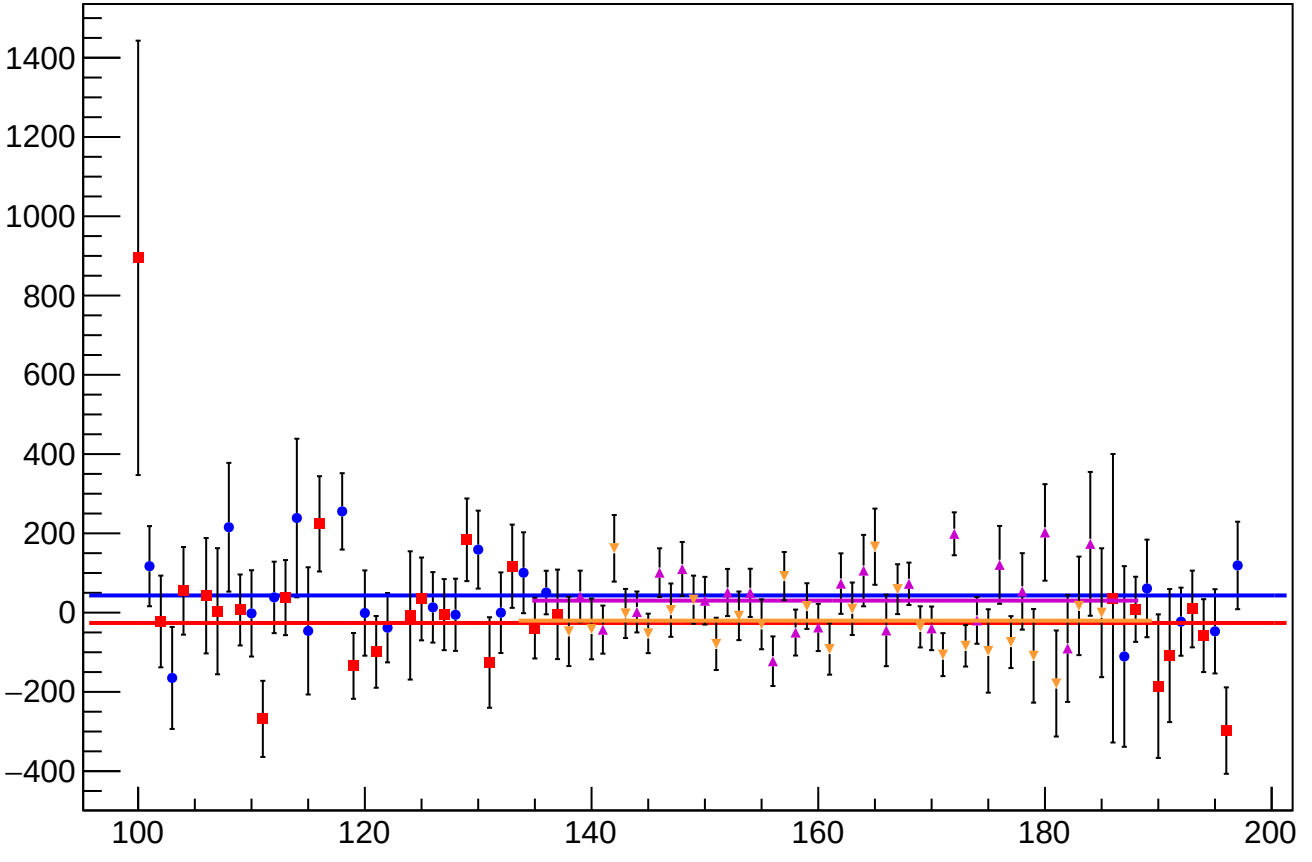
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 482.815+/-0.066 χ^2/NDF: 6082746.2/45

All: 484.591+/-0.047 χ^2/NDF: 13049857.8/94

- sign 486.406+/-0.067 χ^2/NDF: 6965645.0/48

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 43.327+/-22.041 χ^2/NDF: 16.2/20

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -26.089+/-21.219 χ^2/NDF: 32.1/25

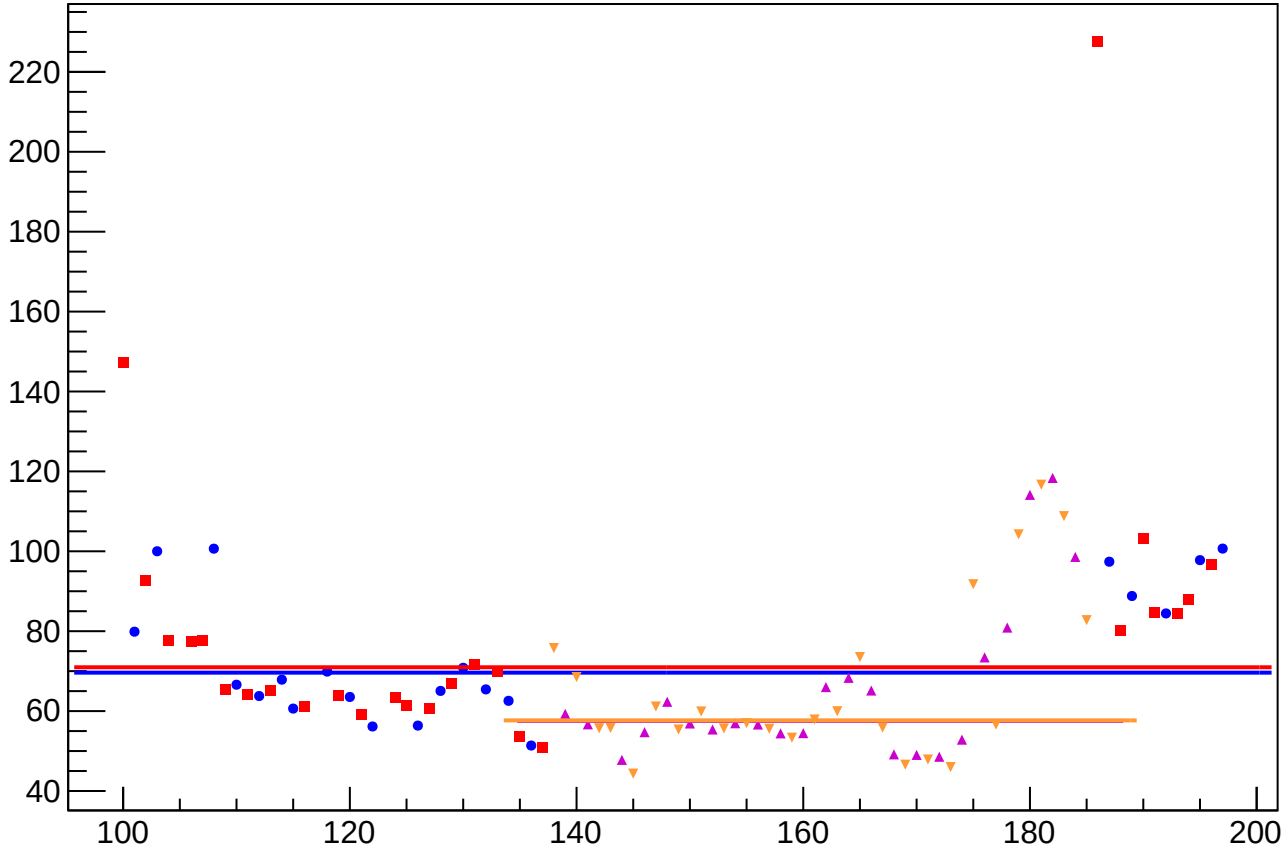
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

\+ sign -2.666+/-11.596 χ^2/NDF: 47.3/45

All: 5.237+/-8.227 χ^2/NDF: 117.8/94

\- sign 13.246+/-11.673 χ^2/NDF: 69.6/48

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.626+/-0.016 χ^2/NDF: 995392.7/20

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

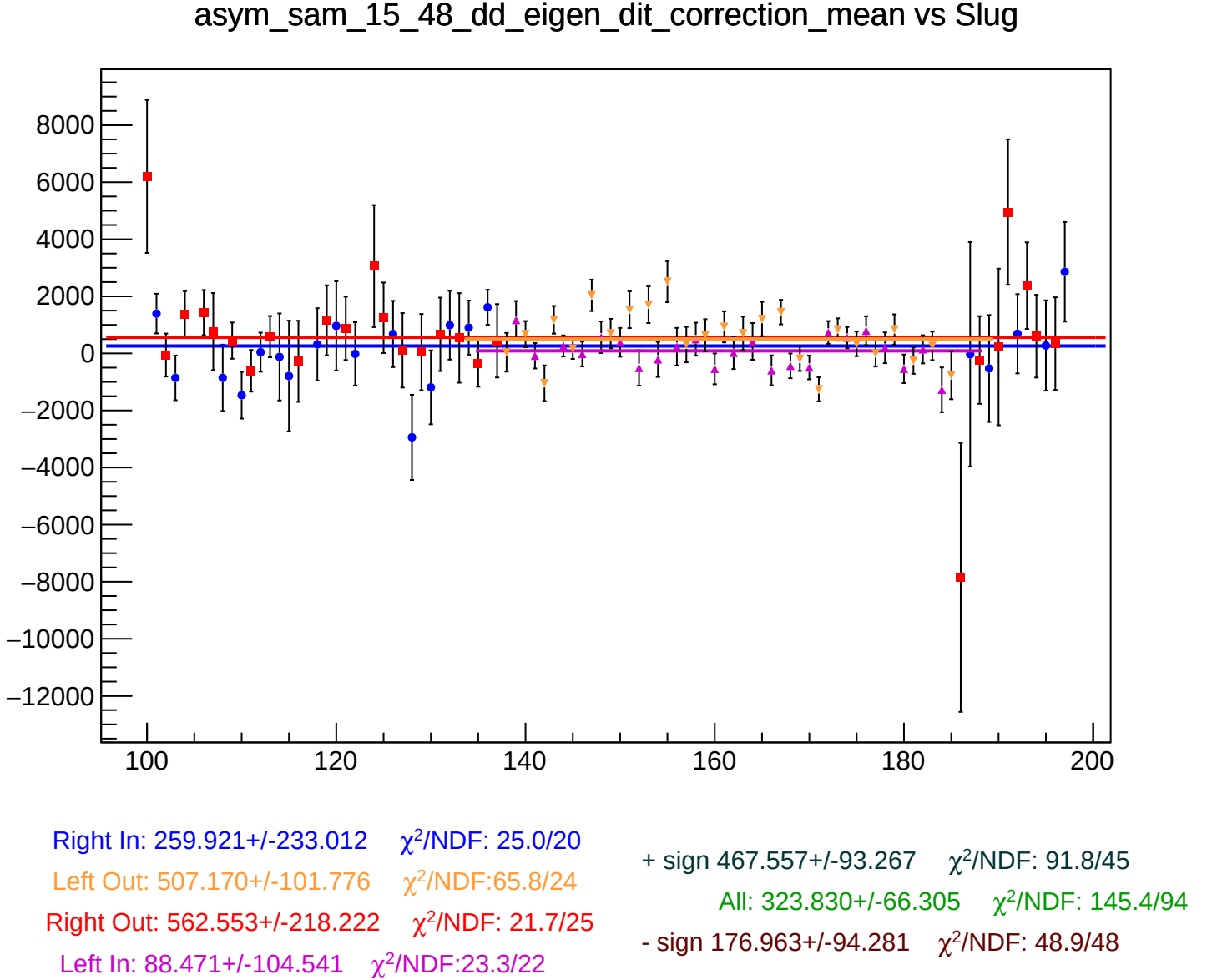
Right Out: 70.969+/-0.015 χ^2/NDF: 1118334.2/25

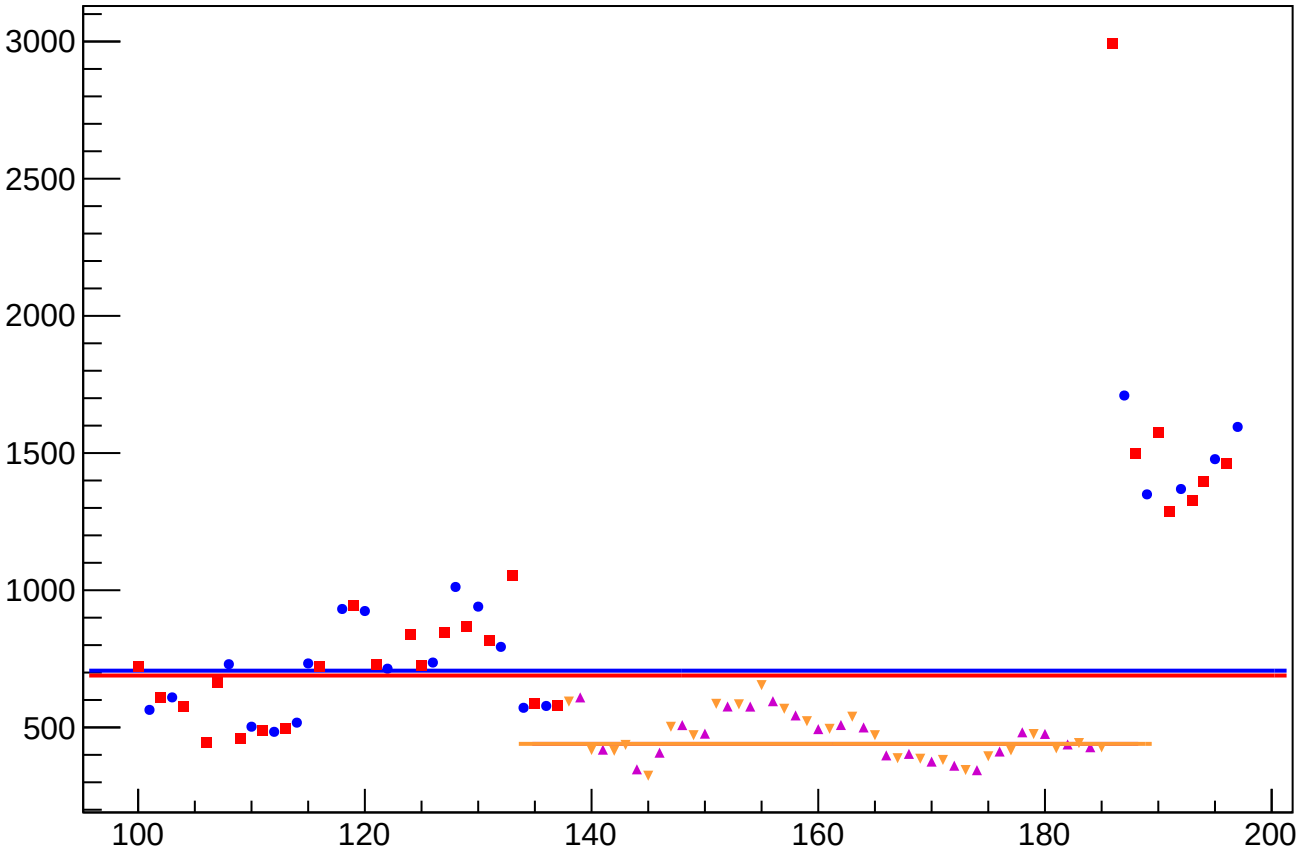
Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 60.978+/-0.008 χ^2/NDF: 3330807.5/45

All: 61.289+/-0.006 χ^2/NDF: 6453993.7/94

- sign 61.604+/-0.008 χ^2/NDF: 3120292.7/48


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 259.921+/-233.012 χ²/NDF: 25.0/20
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: 562.553+/-218.222 χ²/NDF: 21.7/25
Left In: 88.471+/-104.541 χ²/NDF:23.3/22
+ sign 467.557+/-93.267 χ²/NDF: 91.8/45
All: 323.830+/-66.305 χ²/NDF: 145.4/94
- sign 176.963+/-94.281 χ²/NDF: 48.9/48



Right In: 706.836+/-0.165 χ^2/NDF: 2684420.5/20

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 689.146+/-0.154 χ^2/NDF: 3781249.0/25

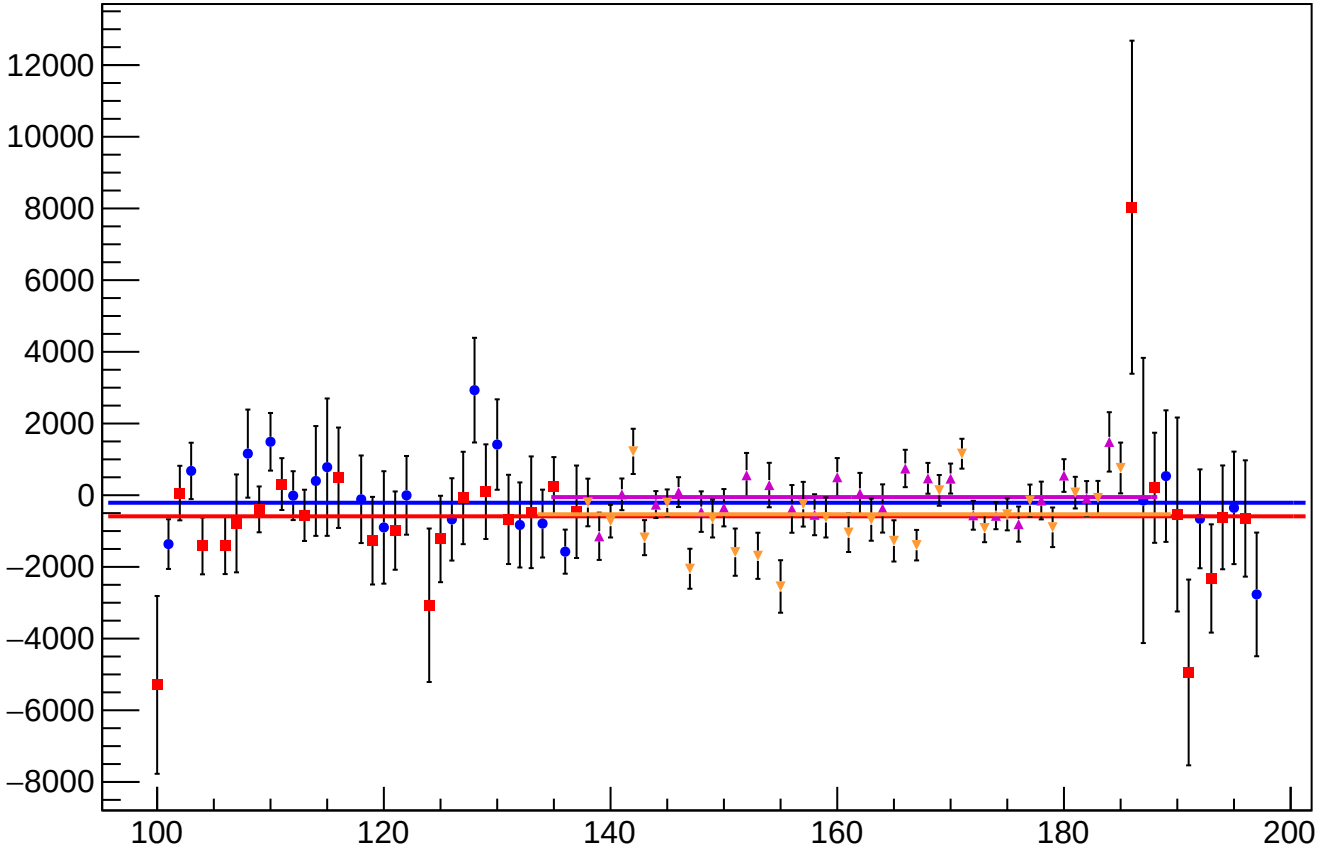
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 482.814+/-0.066 χ^2/NDF: 6082767.9/45

All: 484.590+/-0.047 χ^2/NDF: 13049899.8/94

- sign 486.405+/-0.067 χ^2/NDF: 6965665.3/48

asym_sam_15_48_dd_mean vs Slug



Right In: -210.271+/-231.749 χ^2/NDF: 25.0/20

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -588.897+/-217.504 χ^2/NDF: 20.0/25

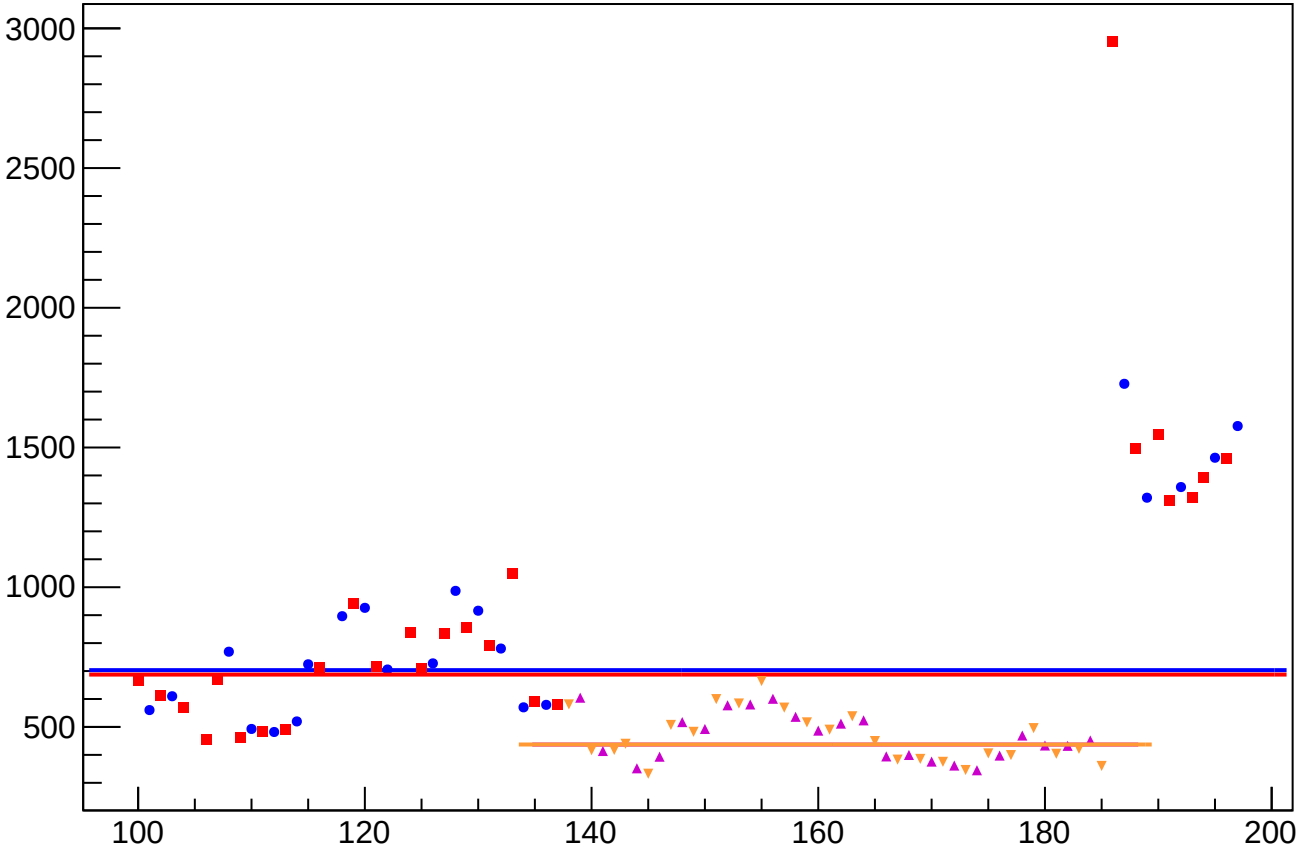
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -480.074+/-92.778 χ^2/NDF: 92.2/45

All: -317.790+/-65.938 χ^2/NDF: 147.4/94

- sign -152.156+/-93.730 χ^2/NDF: 49.0/48

asym_sam_15_48_dd_rms vs Slug



Right In: 703.266+/-0.164 χ^2/NDF: 2641186.4/20

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

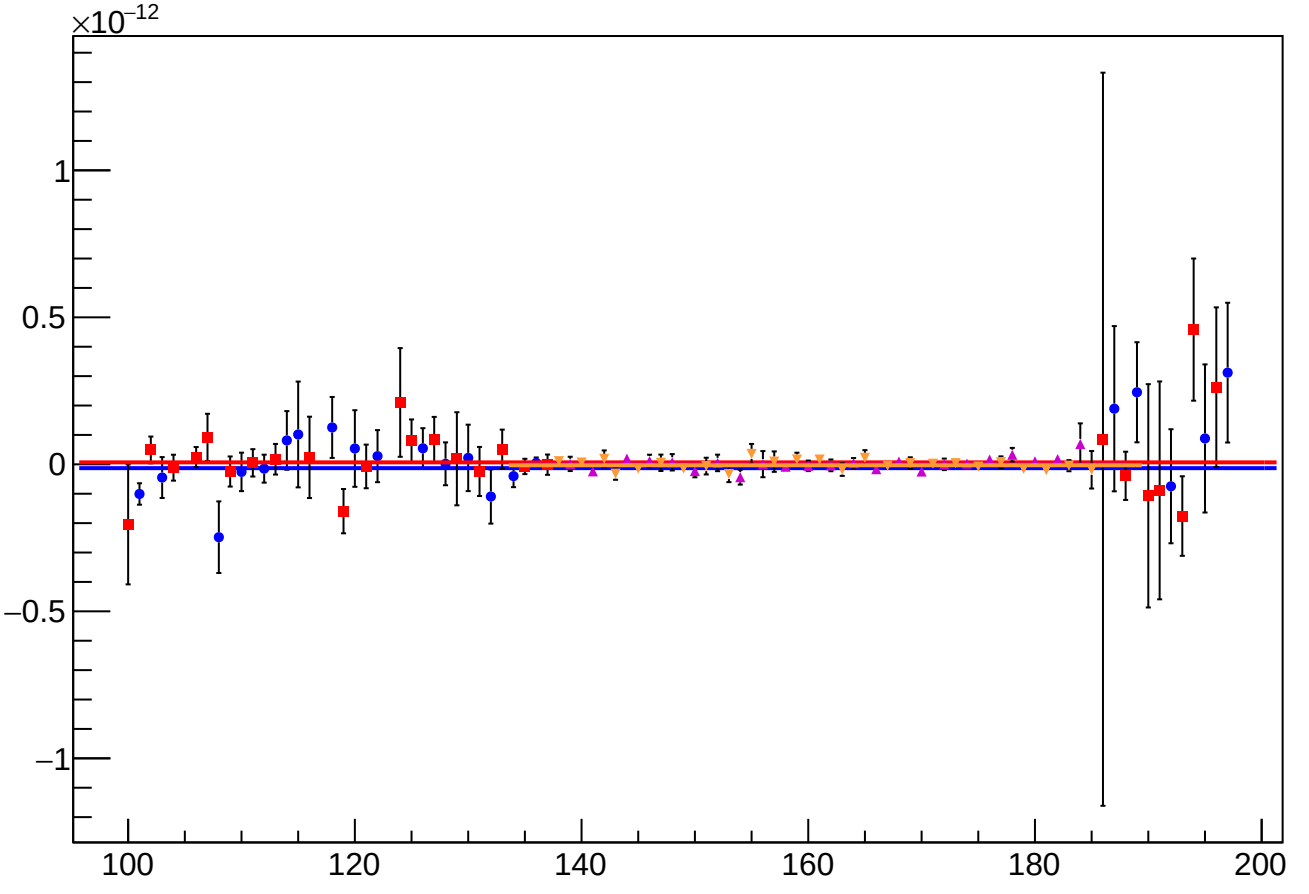
Right Out: 687.358+/-0.154 χ^2/NDF: 3735838.7/25

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 479.806+/-0.066 χ^2/NDF: 6083039.5/45

All: 481.606+/-0.047 χ^2/NDF: 13059254.1/94

- sign 483.442+/-0.066 χ^2/NDF: 6974694.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/20

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

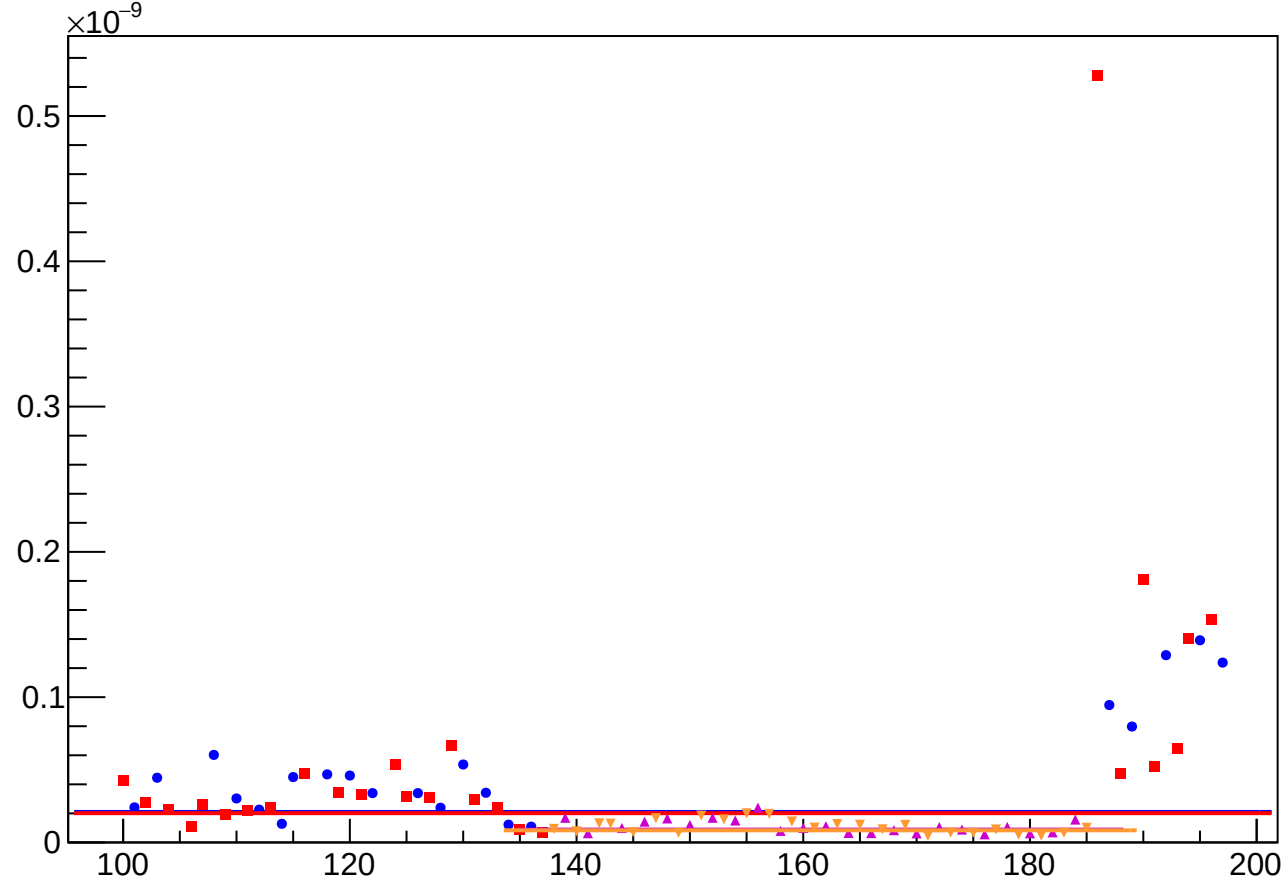
Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/25

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.8/45

All: -0.000+/-0.000 χ^2/NDF: 79.4/94

- sign -0.000+/-0.000 χ^2/NDF: 42.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 3573659.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3599724.3/25

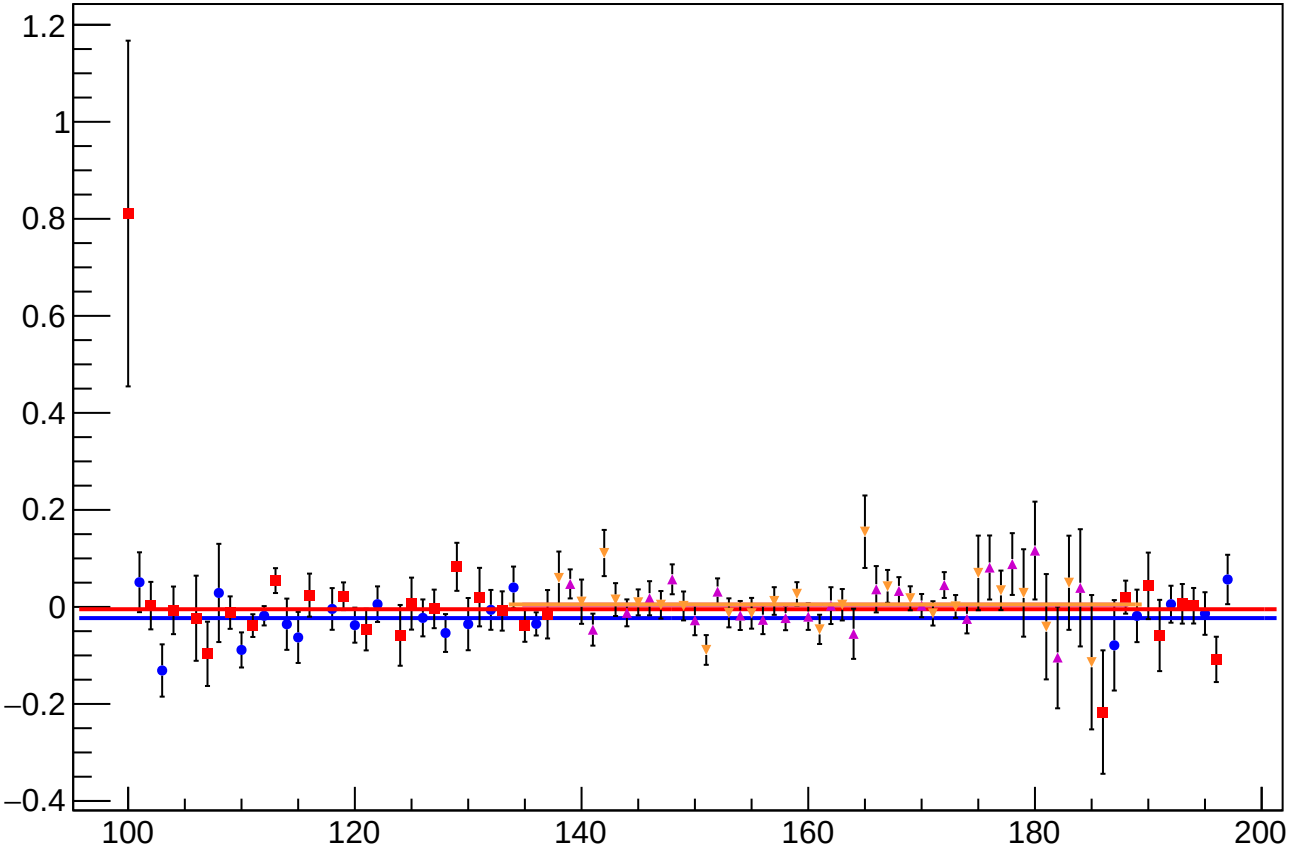
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7678047.1/45

All: 0.000+/-0.000 χ^2/NDF: 14593836.7/94

- sign 0.000+/-0.000 χ^2/NDF: 6887460.7/48

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.023+/-0.009 χ^2/NDF: 17.3/20

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.005+/-0.008 χ^2/NDF: 31.5/25

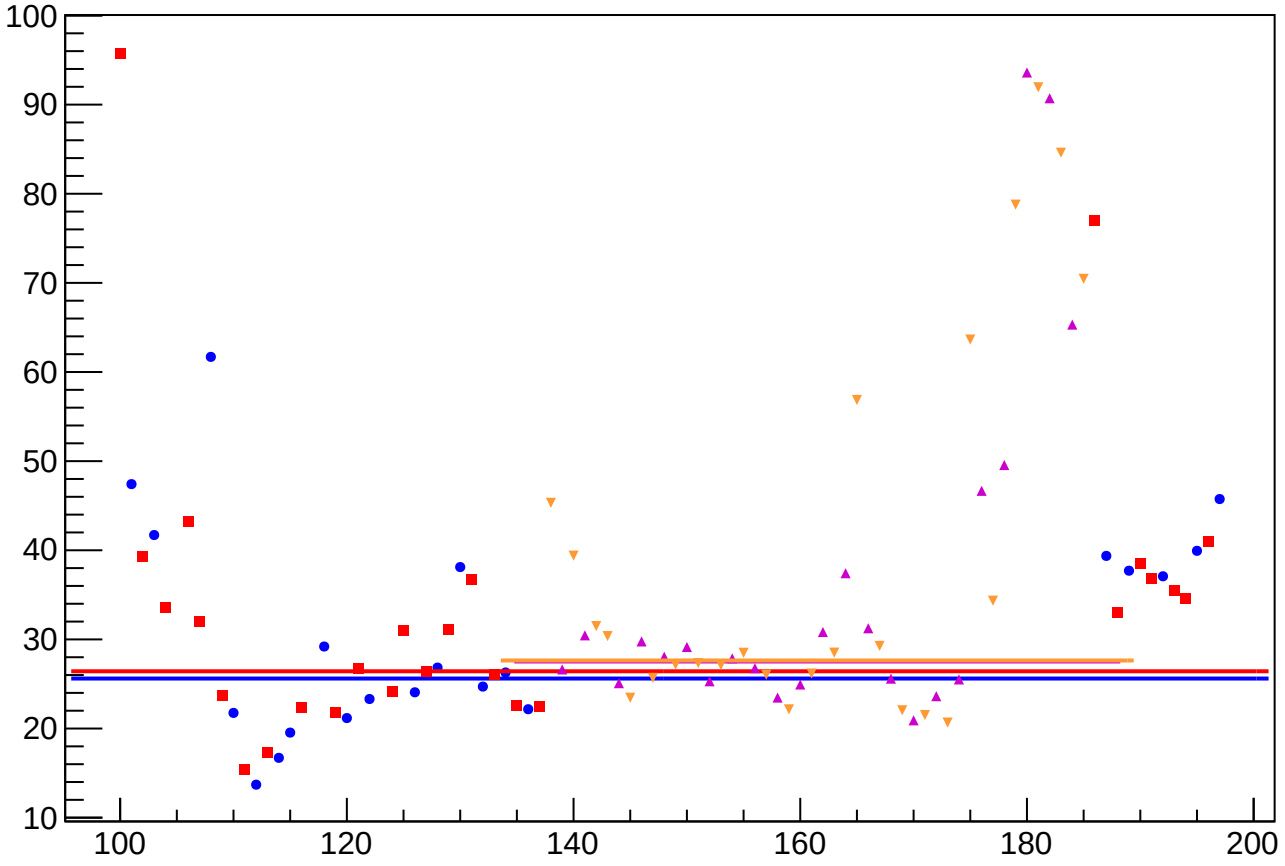
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 52.2/45

All: -0.003+/-0.004 χ^2/NDF: 110.3/94

- sign 0.001+/-0.005 χ^2/NDF: 57.4/48

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.610+/-0.006 χ^2/NDF: 2562104.9/20

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

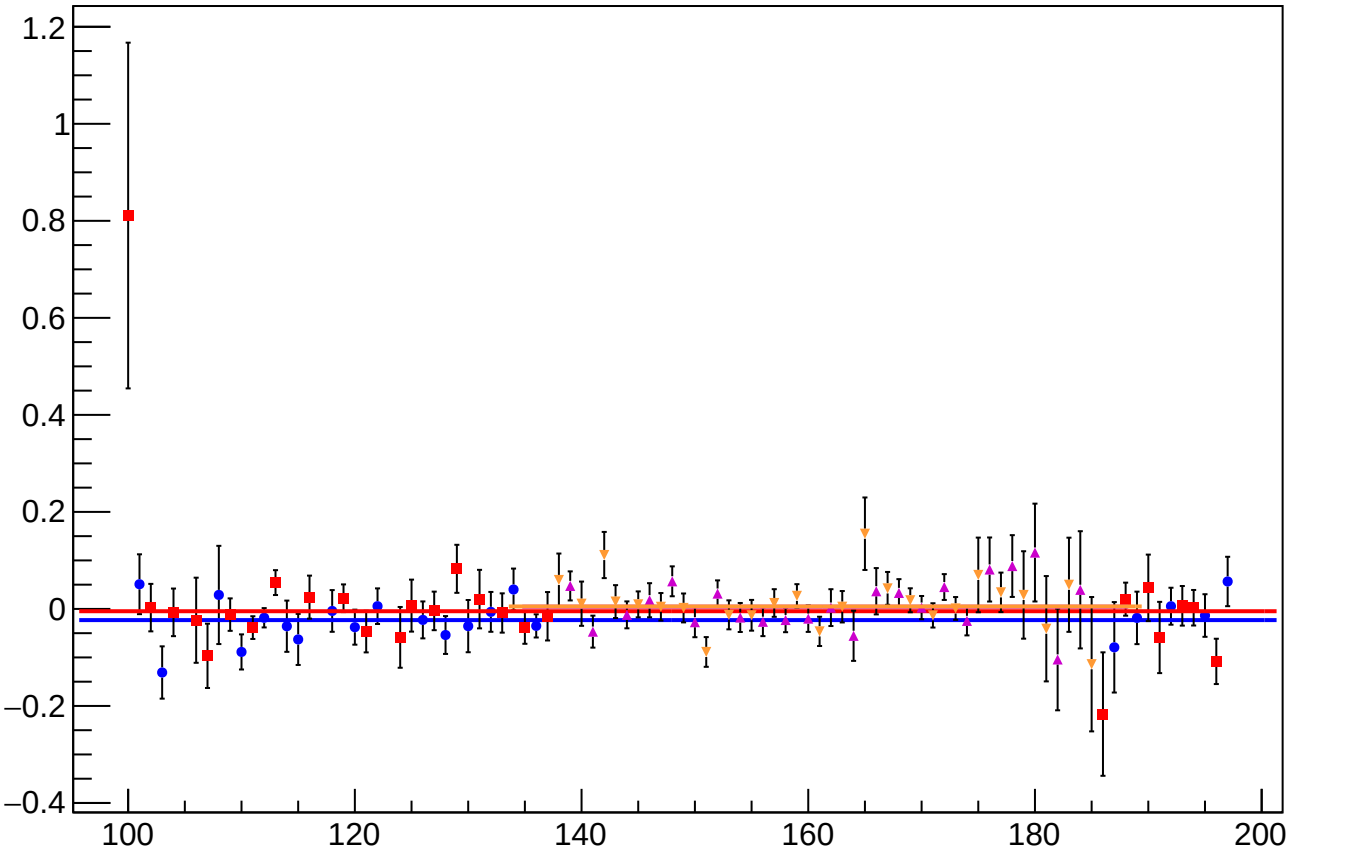
Right Out: 26.425+/-0.006 χ^2/NDF: 2146282.4/25

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.854+/-0.004 χ^2/NDF: 6603637.4/45

All: 26.960+/-0.003 χ^2/NDF: 11406709.8/94

- sign 27.065+/-0.004 χ^2/NDF: 4801508.6/48



Right In: -0.023+/-0.009 χ^2/NDF: 17.3/20

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

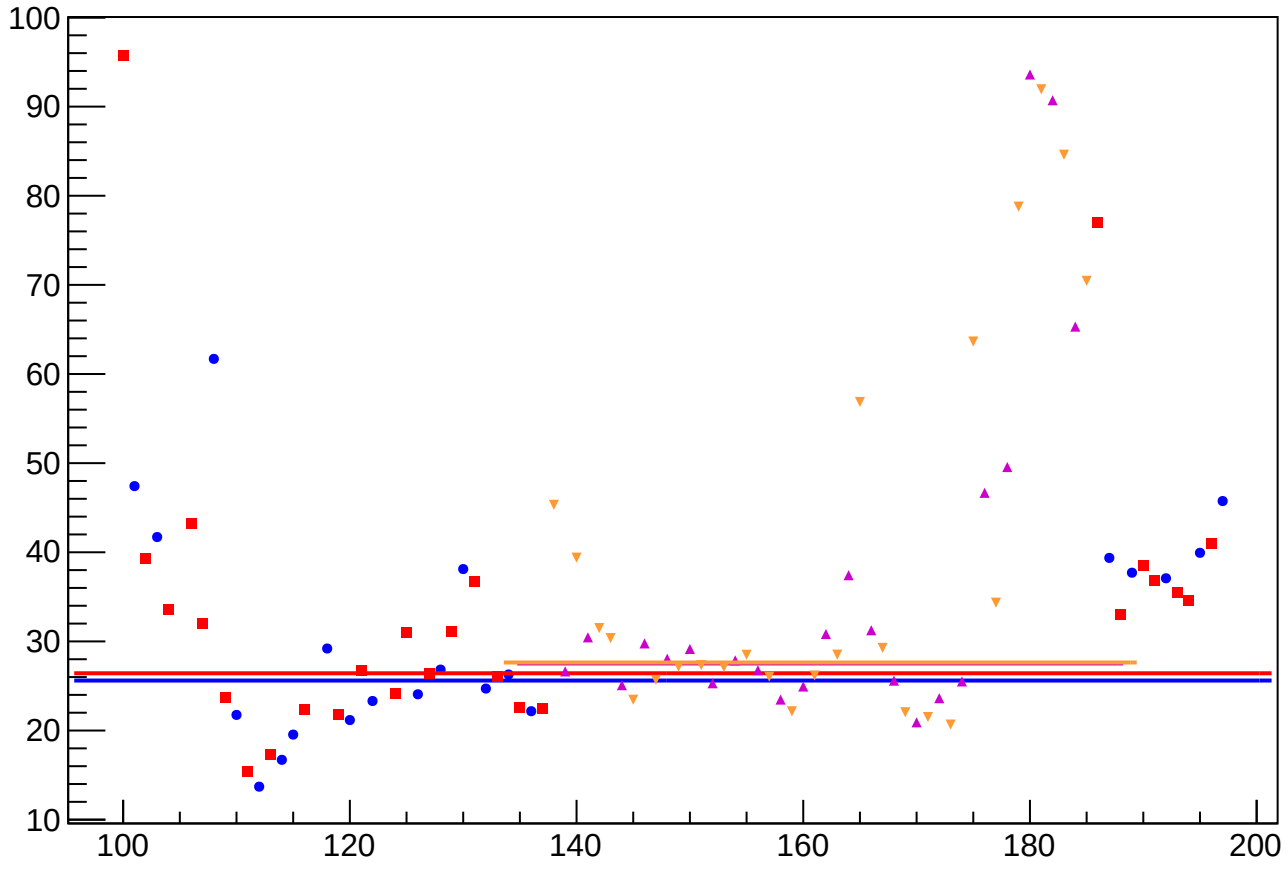
Right Out: -0.005+/-0.008 χ^2/NDF: 31.5/25

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 52.2/45

All: -0.003+/-0.004 χ^2/NDF: 110.3/94

- sign 0.001+/-0.005 χ^2/NDF: 57.4/48



Right In: 25.610+/-0.006 χ^2/NDF: 2562104.9/20

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

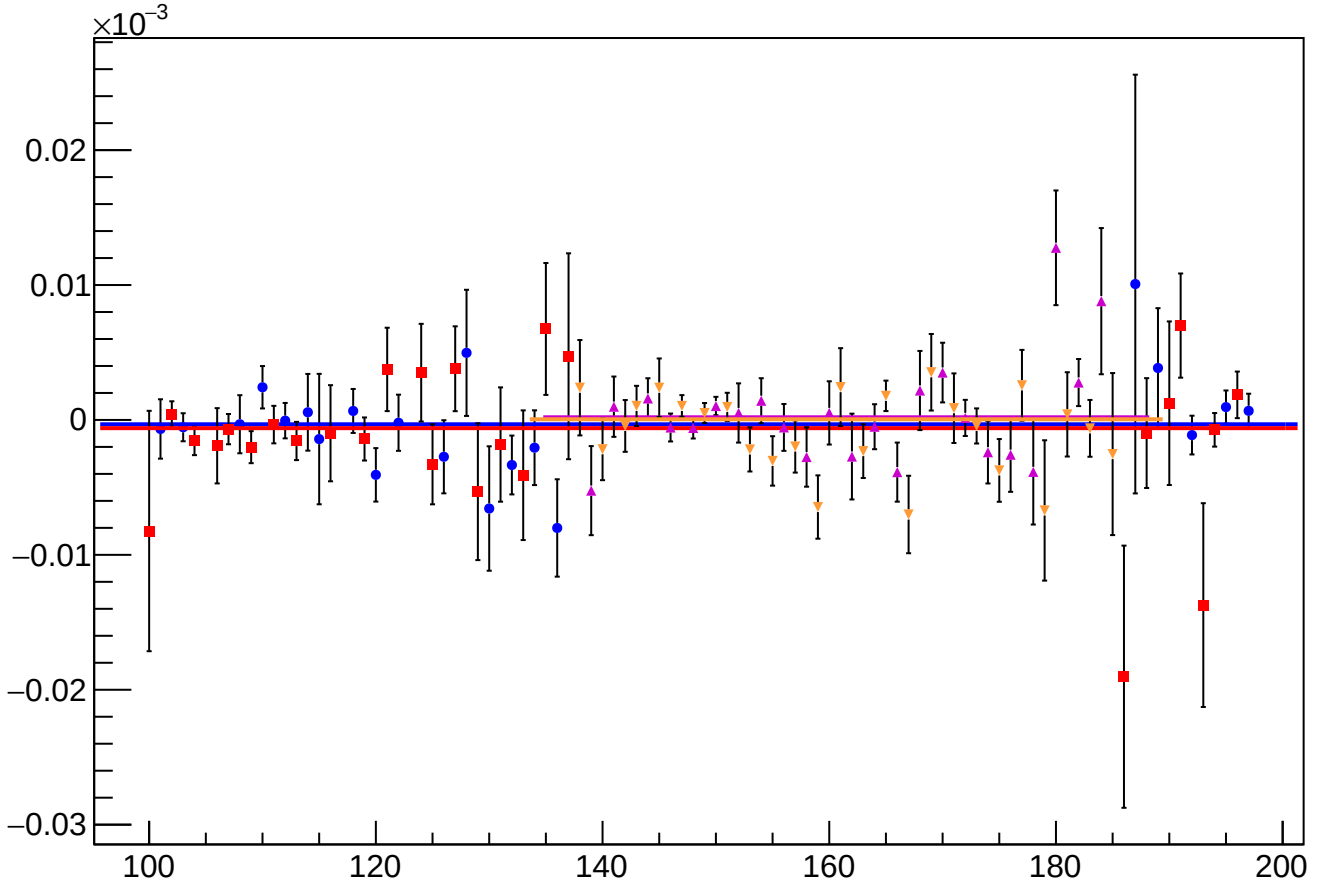
Right Out: 26.425+/-0.006 χ^2/NDF: 2146282.4/25

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.854+/-0.004 χ^2/NDF: 6603637.4/45

All: 26.960+/-0.003 χ^2/NDF: 11406709.8/94

- sign 27.065+/-0.004 χ^2/NDF: 4801508.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/25

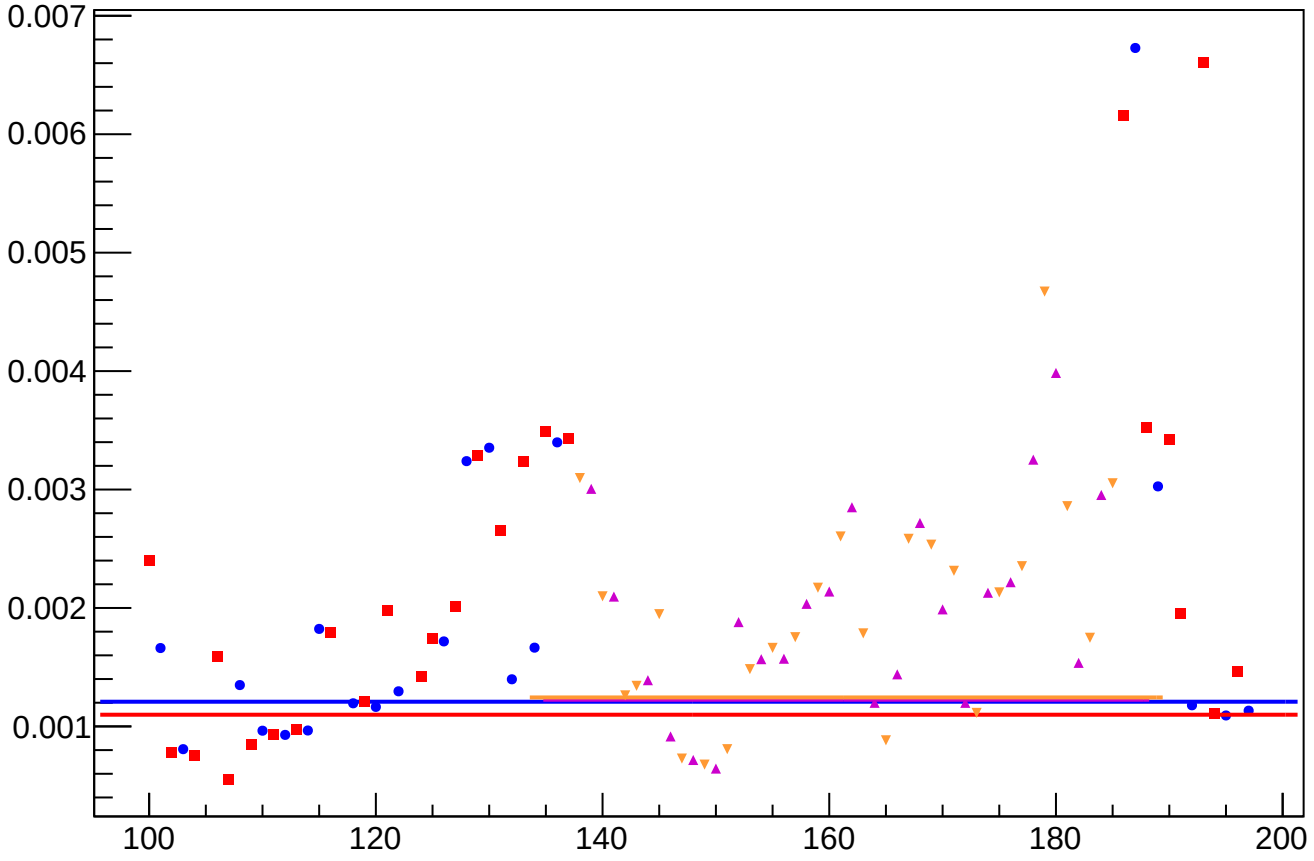
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.8/45

All: -0.000+/-0.000 χ^2/NDF: 122.6/94

- sign -0.000+/-0.000 χ^2/NDF: 63.8/48

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2882802.2/20

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

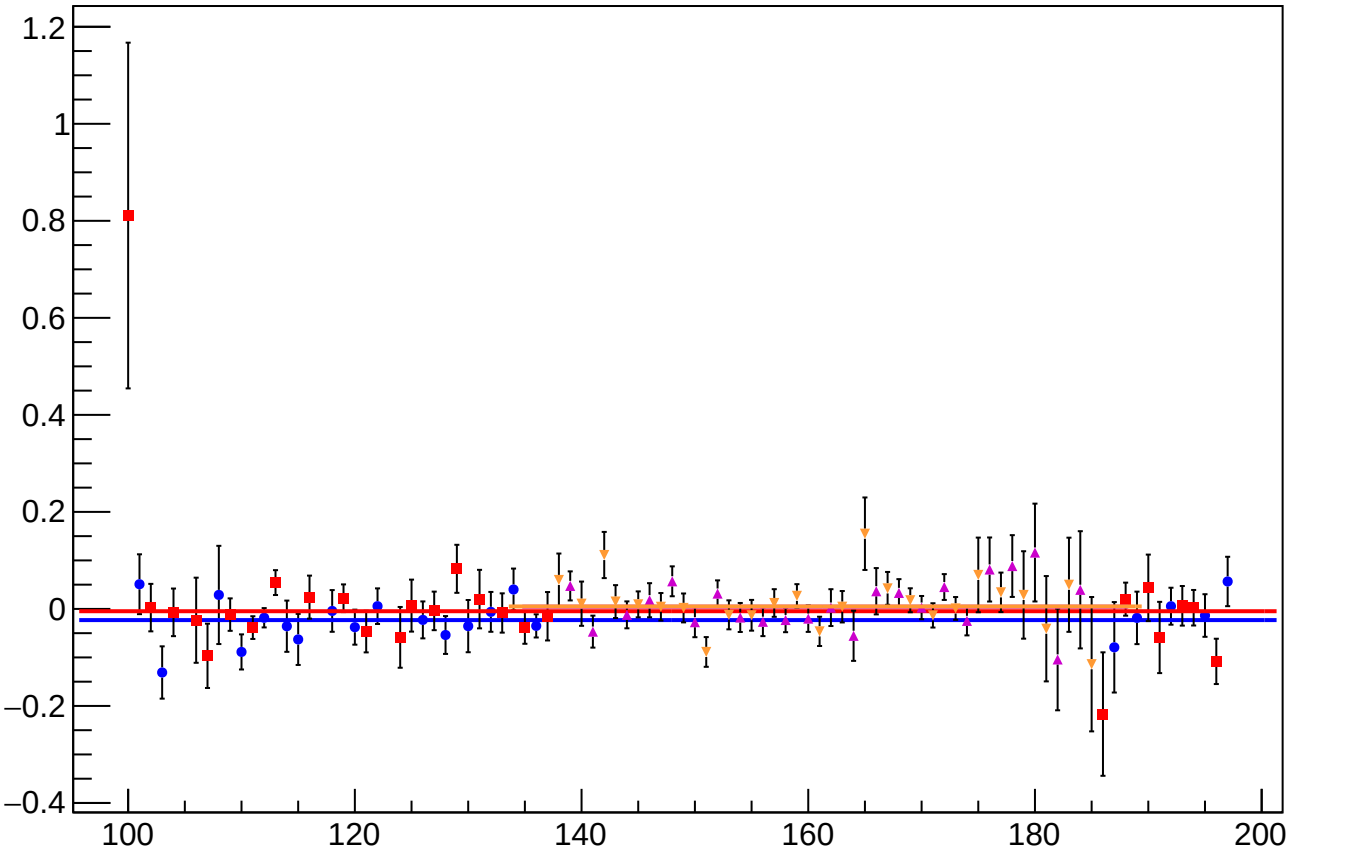
Right Out: 0.001+/-0.000 χ^2/NDF: 6181486.5/25

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 11233236.1/45

All: 0.001+/-0.000 χ^2/NDF: 25418937.2/94

- sign 0.001+/-0.000 χ^2/NDF: 14129604.8/48



Right In: -0.023+/-0.009 χ^2/NDF: 17.3/20

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

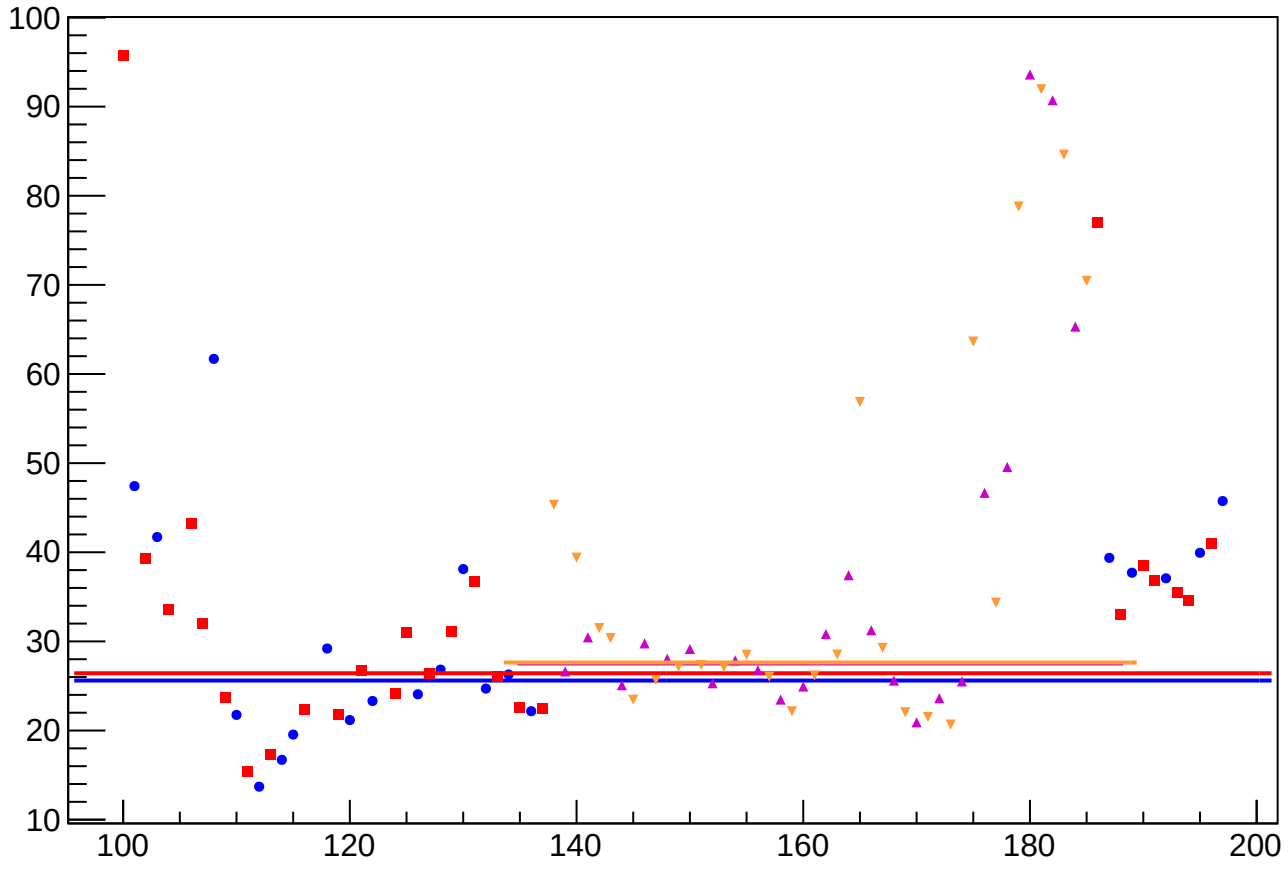
Right Out: -0.005+/-0.008 χ^2/NDF: 31.5/25

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 52.2/45

All: -0.003+/-0.004 χ^2/NDF: 110.3/94

- sign 0.001+/-0.005 χ^2/NDF: 57.4/48



Right In: 25.609+/-0.006 χ^2/NDF: 2562127.8/20

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

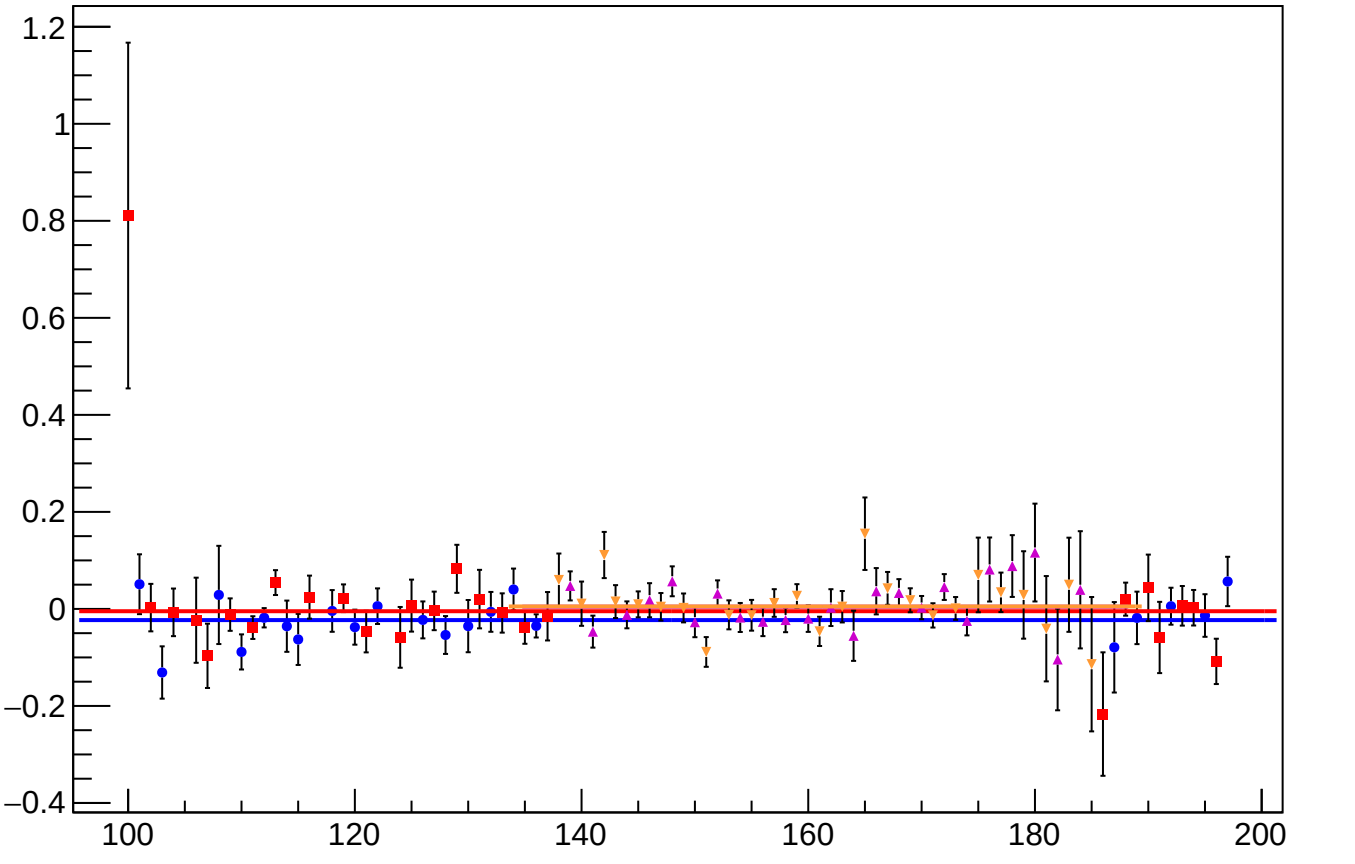
Right Out: 26.425+/-0.006 χ^2/NDF: 2146374.2/25

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.854+/-0.004 χ^2/NDF: 6603637.3/45

All: 26.960+/-0.003 χ^2/NDF: 11406784.0/94

- sign 27.065+/-0.004 χ^2/NDF: 4801584.3/48



Right In: -0.023+/-0.009 χ^2/NDF: 17.3/20

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

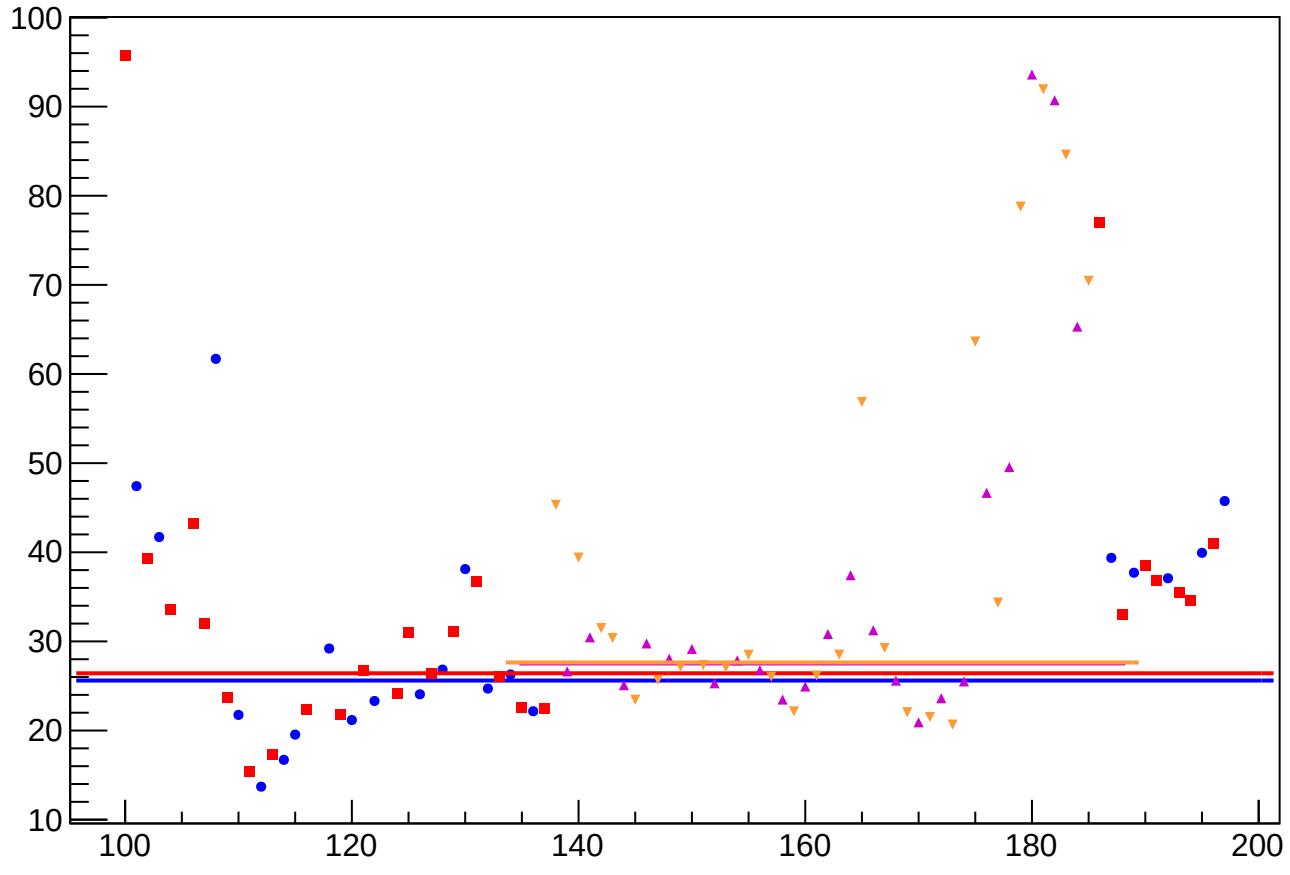
Right Out: -0.005+/-0.008 χ^2/NDF: 31.5/25

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 52.2/45

All: -0.003+/-0.004 χ^2/NDF: 110.3/94

- sign 0.001+/-0.005 χ^2/NDF: 57.4/48



Right In: 25.609+/-0.006 χ^2/NDF: 2562127.8/20

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

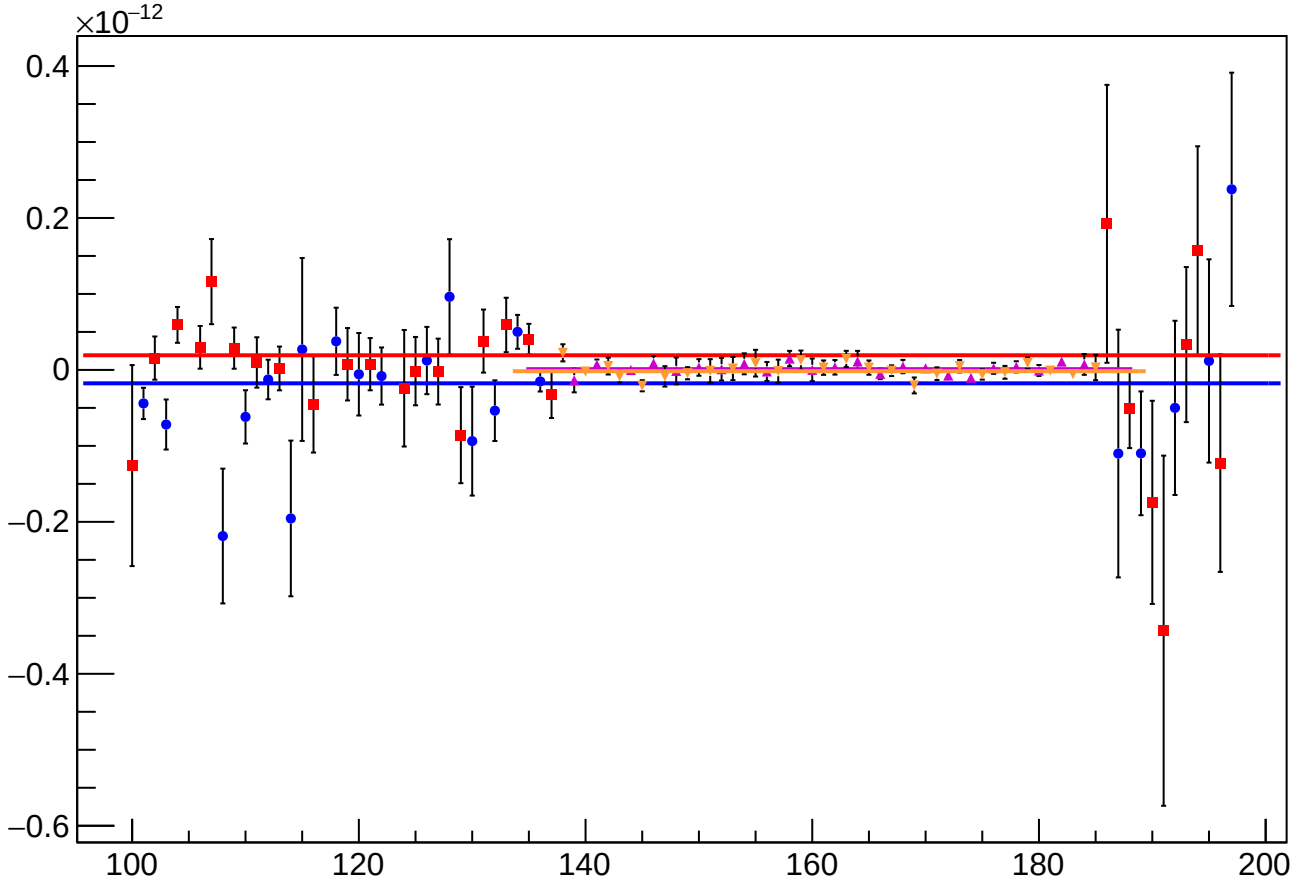
Right Out: 26.425+/-0.006 χ^2/NDF: 2146374.2/25

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.854+/-0.004 χ^2/NDF: 6603637.3/45

All: 26.960+/-0.003 χ^2/NDF: 11406784.0/94

- sign 27.065+/-0.004 χ^2/NDF: 4801584.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 34.4/20

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

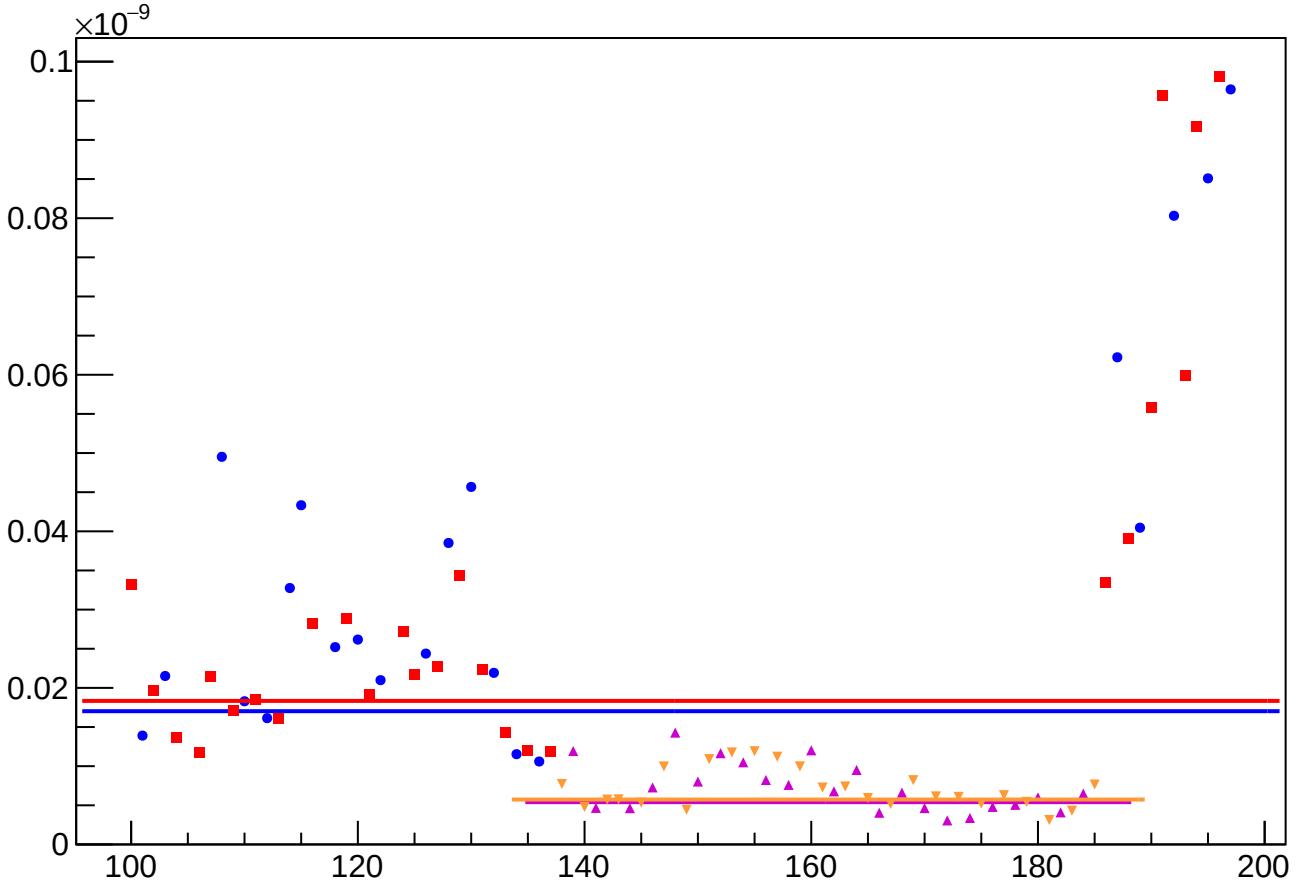
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/25

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.9/45

All: -0.000+/-0.000 χ^2/NDF: 115.5/94

- sign 0.000+/-0.000 χ^2/NDF: 49.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 3782217.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3144823.7/25

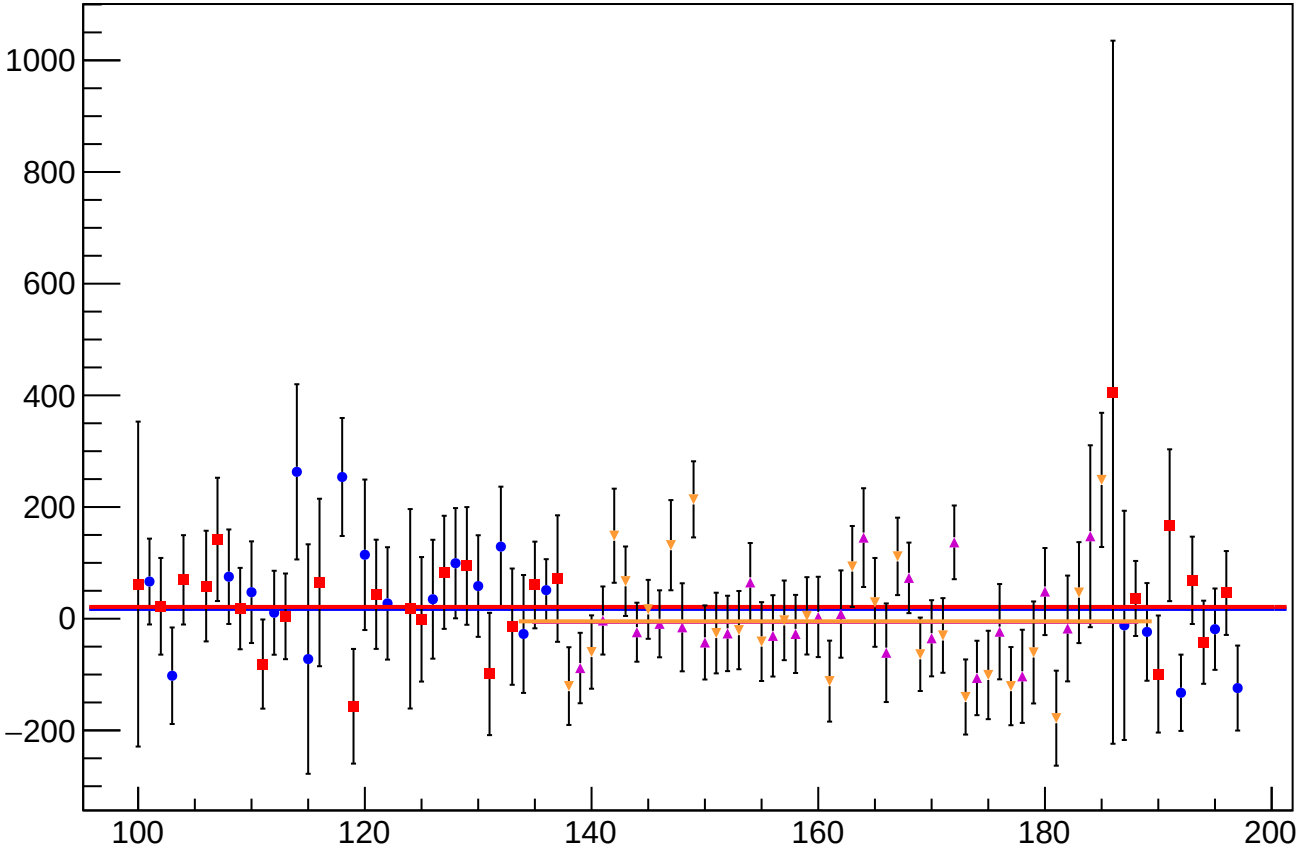
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10538874.1/45

All: 0.000+/-0.000 χ^2/NDF: 22519182.3/94

- sign 0.000+/-0.000 χ^2/NDF: 11955543.9/48

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 17.518+/-19.645 χ^2/NDF: 22.4/20

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 21.092+/-18.721 χ^2/NDF: 13.3/25

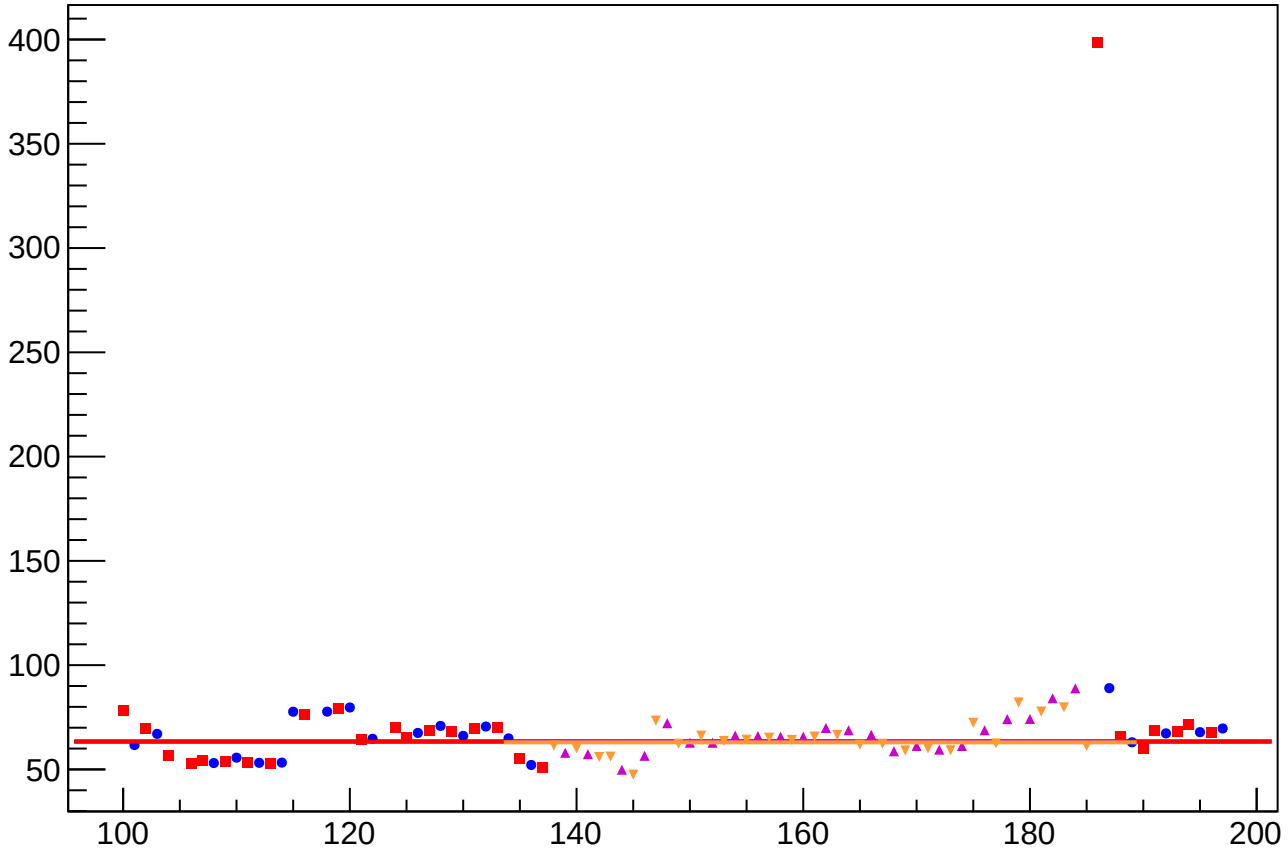
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 3.060+/-11.631 χ^2/NDF: 70.6/45

All: 3.862+/-8.239 χ^2/NDF: 103.5/94

- sign 4.670+/-11.673 χ^2/NDF: 32.9/48

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 63.436+/-0.014 χ^2/NDF: 336691.0/20

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

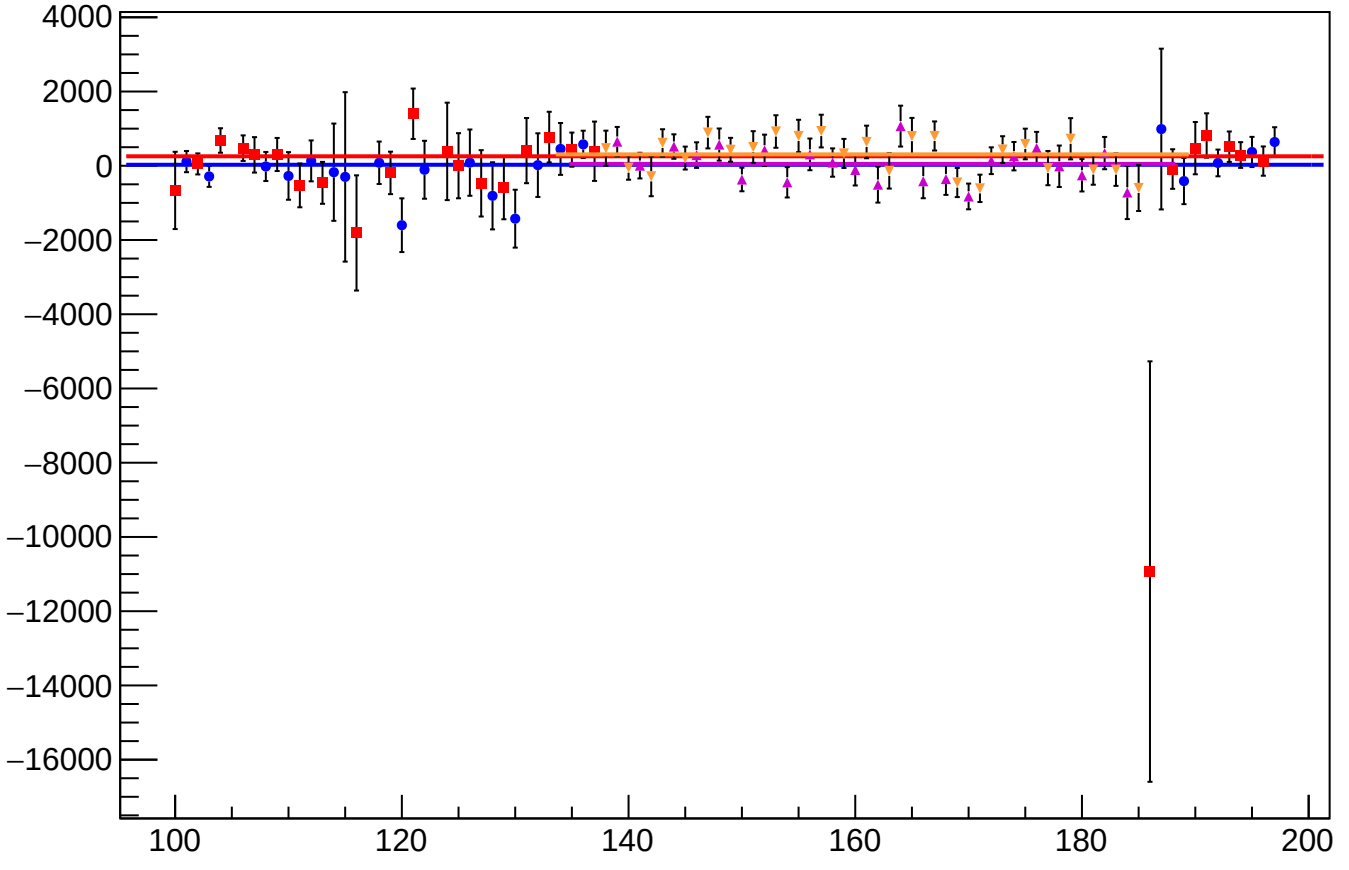
Right Out: 63.275+/-0.013 χ^2/NDF: 919760.9/25

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 63.137+/-0.008 χ^2/NDF: 864261.4/45

All: 63.233+/-0.006 χ^2/NDF: 2281251.4/94

\- sign 63.330+/-0.008 χ^2/NDF: 1416715.5/48



Right In: 26.869+/-110.197 χ^2/NDF: 17.5/20

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 255.106+/-102.374 χ^2/NDF: 20.4/25

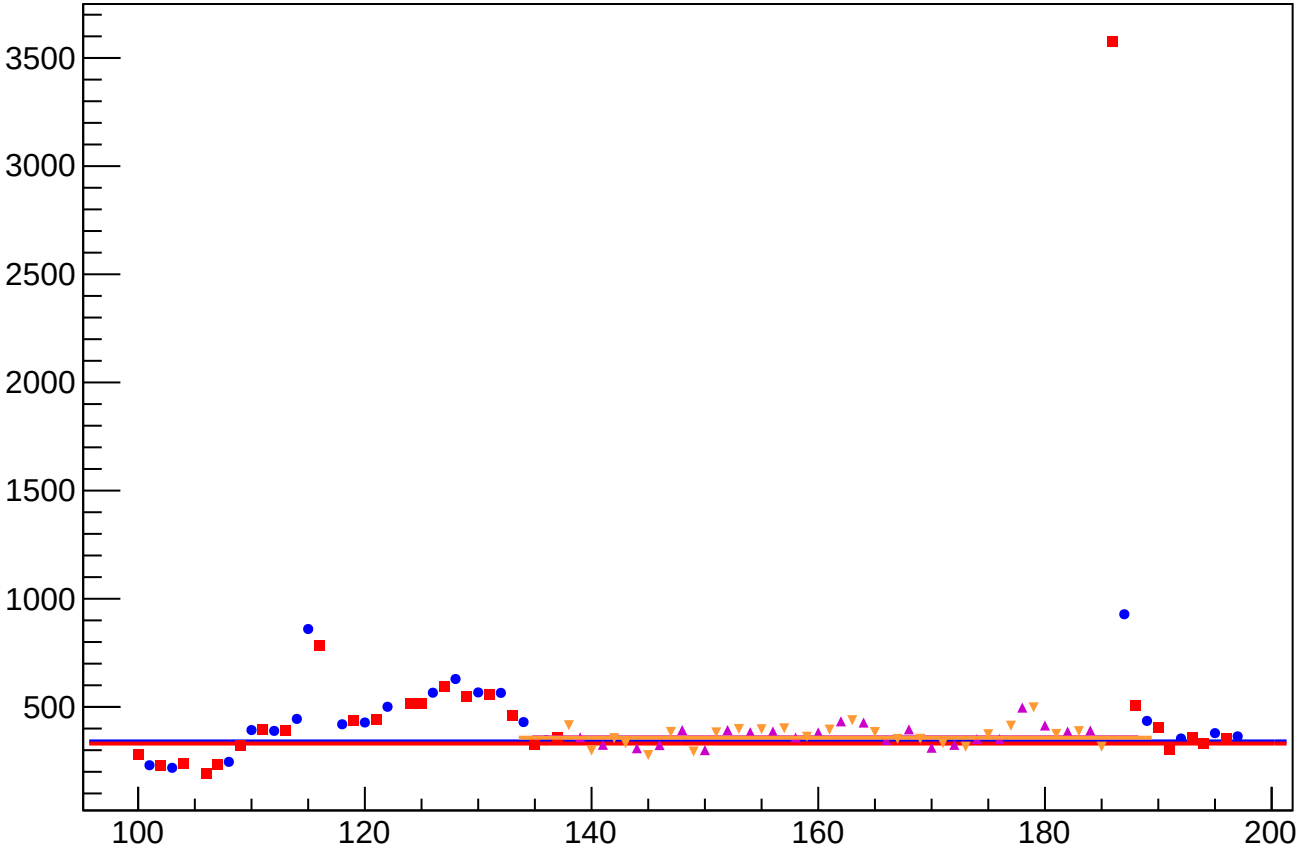
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 206.718+/-65.971 χ^2/NDF: 52.3/45

All: 169.761+/-46.418 χ^2/NDF: 102.9/94

- sign 133.526+/-65.323 χ^2/NDF: 50.0/48

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 340.499+/-0.078 χ^2/NDF: 1979858.6/20

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 330.687+/-0.072 χ^2/NDF: 2747704.6/25

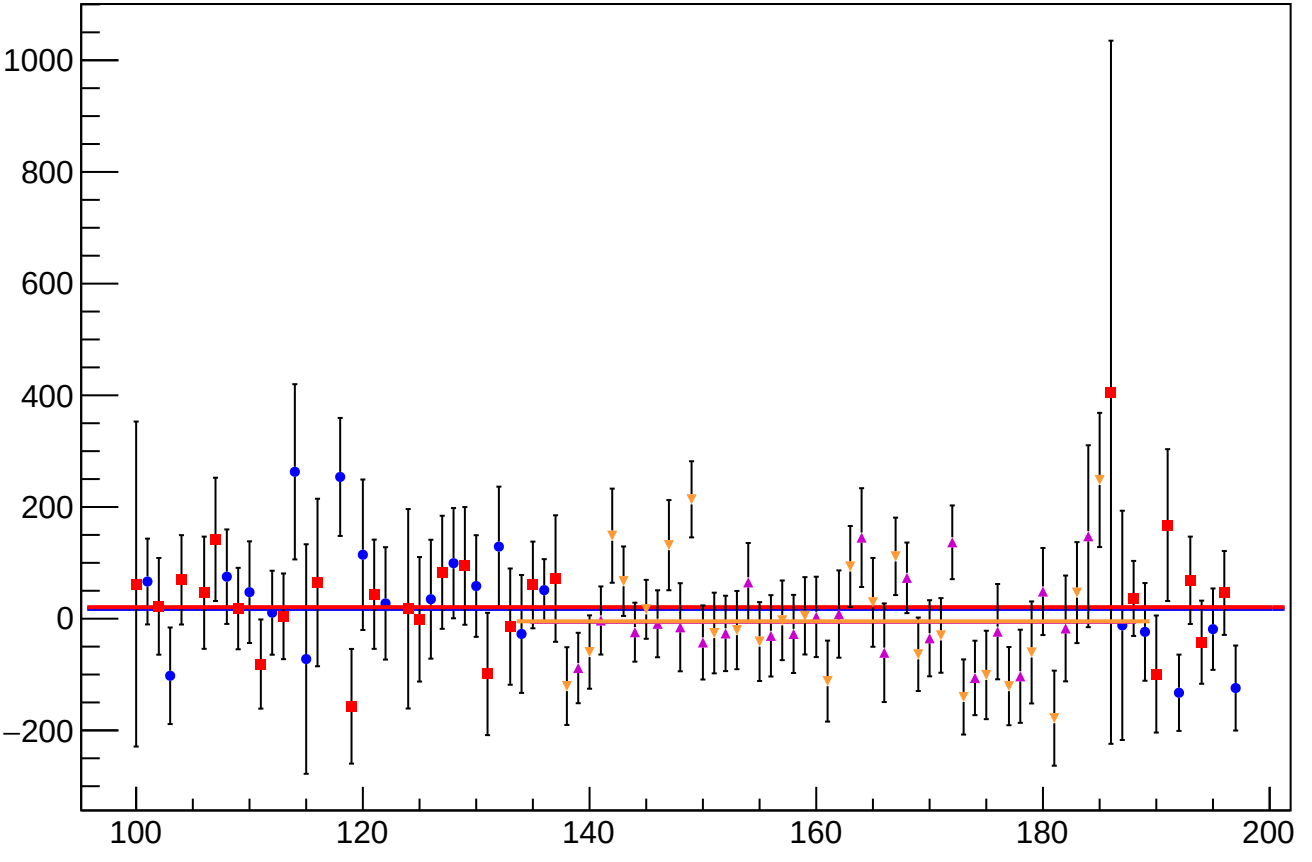
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 351.555+/-0.047 χ^2/NDF: 2694969.3/45

All: 349.598+/-0.033 χ^2/NDF: 6058869.4/94

- sign 347.680+/-0.046 χ^2/NDF: 3360415.2/48

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 17.511+/-19.645 χ^2/NDF: 22.4/20

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 20.640+/-18.730 χ^2/NDF: 13.3/25

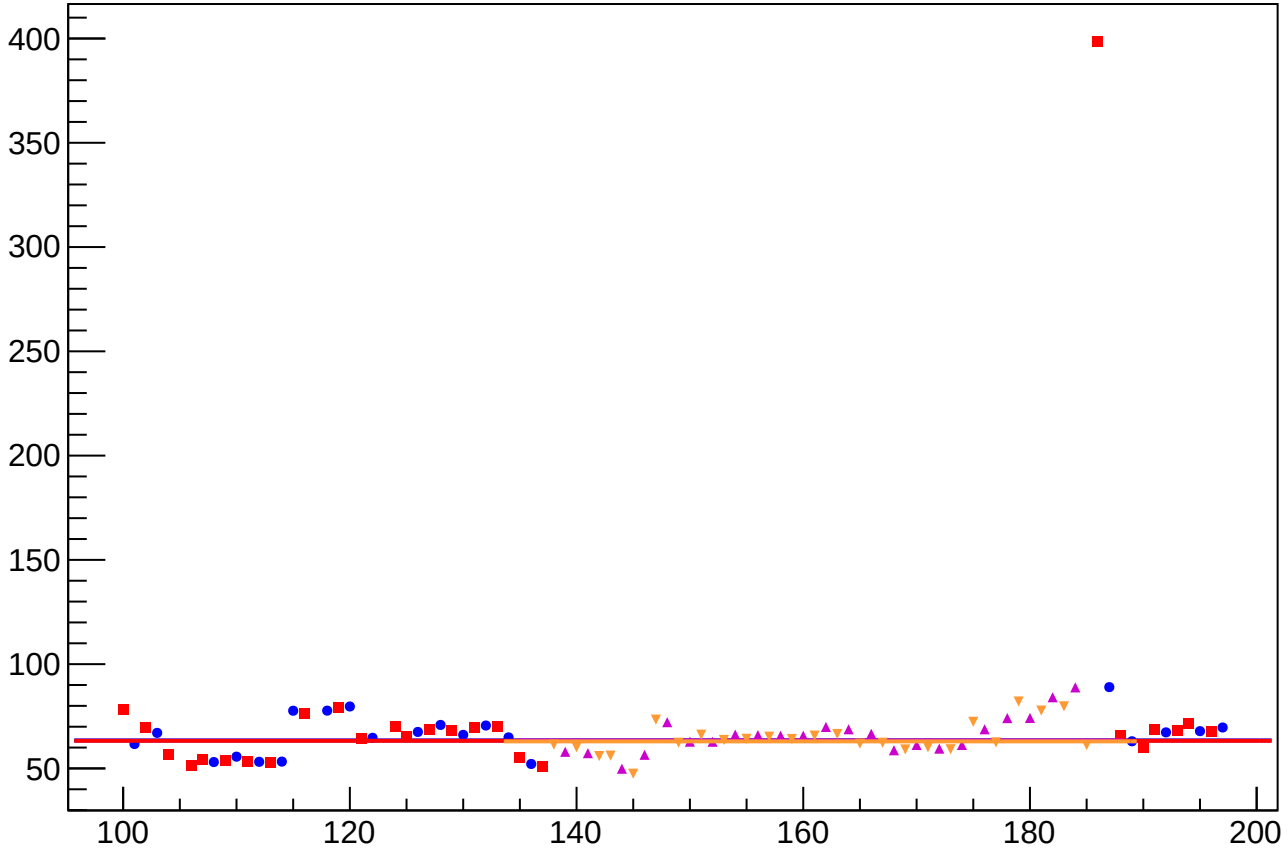
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 3.054+/-11.631 χ^2/NDF: 70.6/45

All: 3.768+/-8.240 χ^2/NDF: 103.4/94

- sign 4.488+/-11.675 χ^2/NDF: 32.8/48

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 63.436+/-0.014 χ^2/NDF: 336691.1/20

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

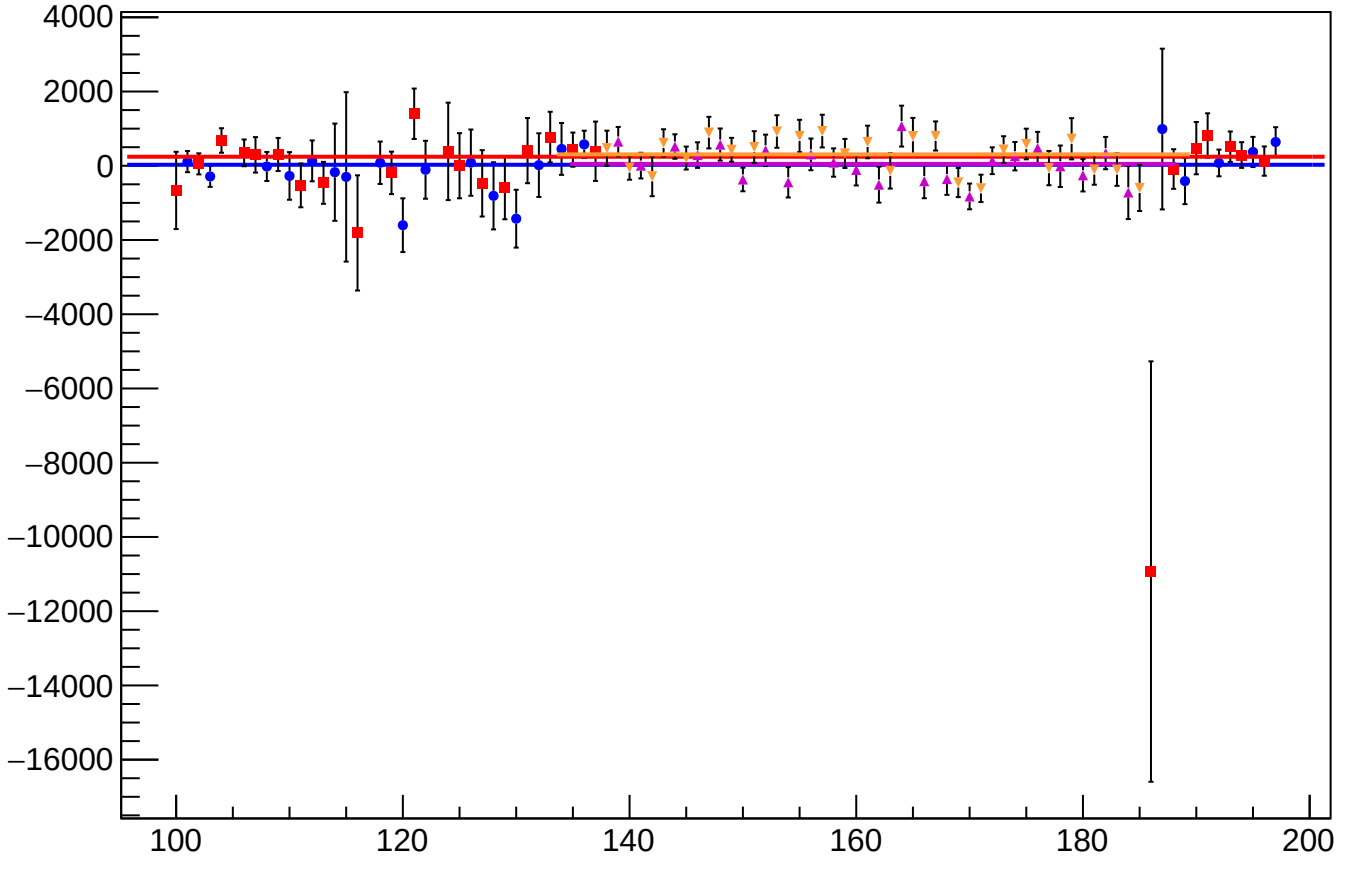
Right Out: 63.249+/-0.013 χ^2/NDF: 923868.3/25

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 63.137+/-0.008 χ^2/NDF: 864261.6/45

All: 63.228+/-0.006 χ^2/NDF: 2285349.8/94

\- sign 63.320+/-0.008 χ^2/NDF: 1420841.5/48



Right In: 26.879+/-110.197 χ^2/NDF: 17.5/20

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 243.306+/-102.779 χ^2/NDF: 20.0/25

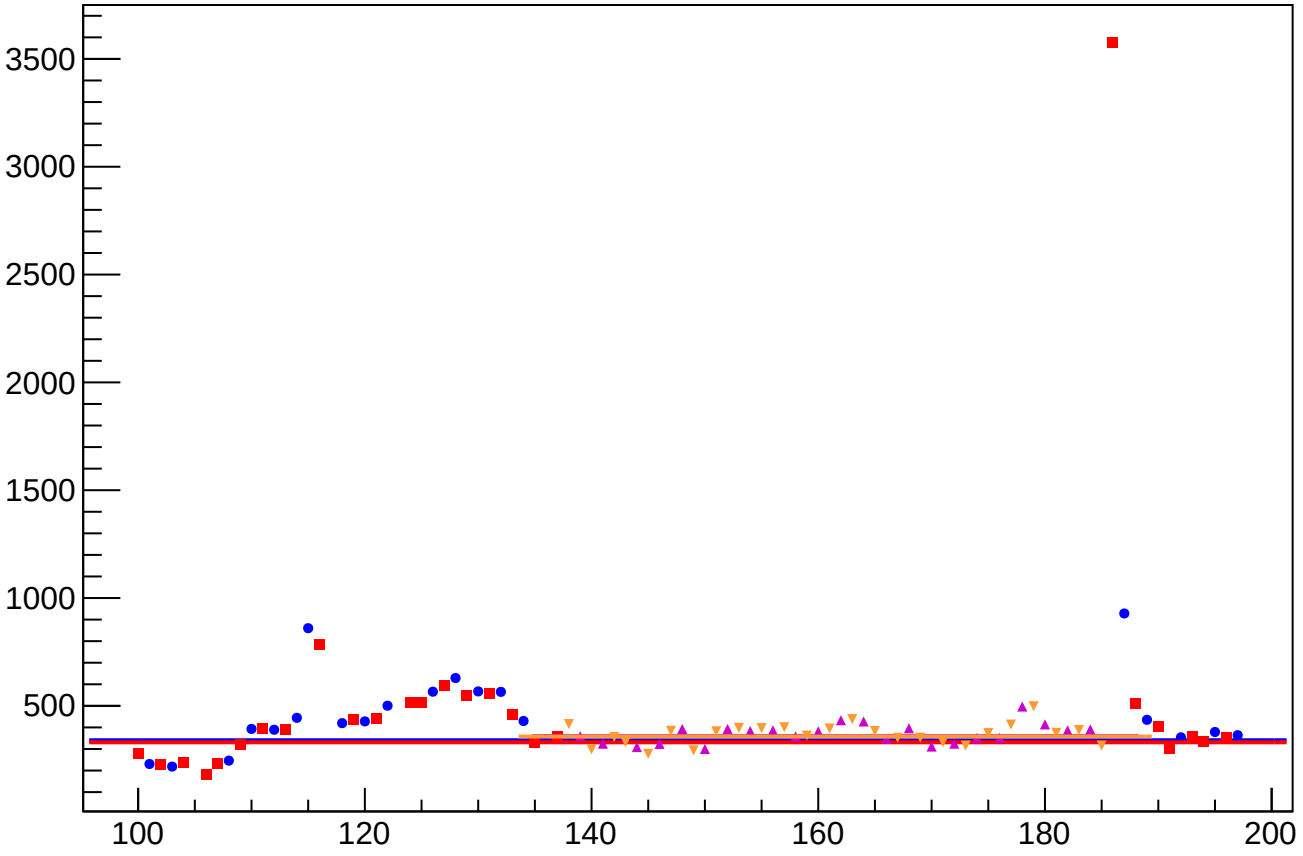
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 206.718+/-65.971 χ^2/NDF: 52.3/45

All: 167.211+/-46.455 χ^2/NDF: 102.4/94

- sign 128.353+/-65.428 χ^2/NDF: 49.4/48

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 340.501+/-0.078 χ^2/NDF: 1979786.6/20

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 330.952+/-0.073 χ^2/NDF: 2764849.0/25

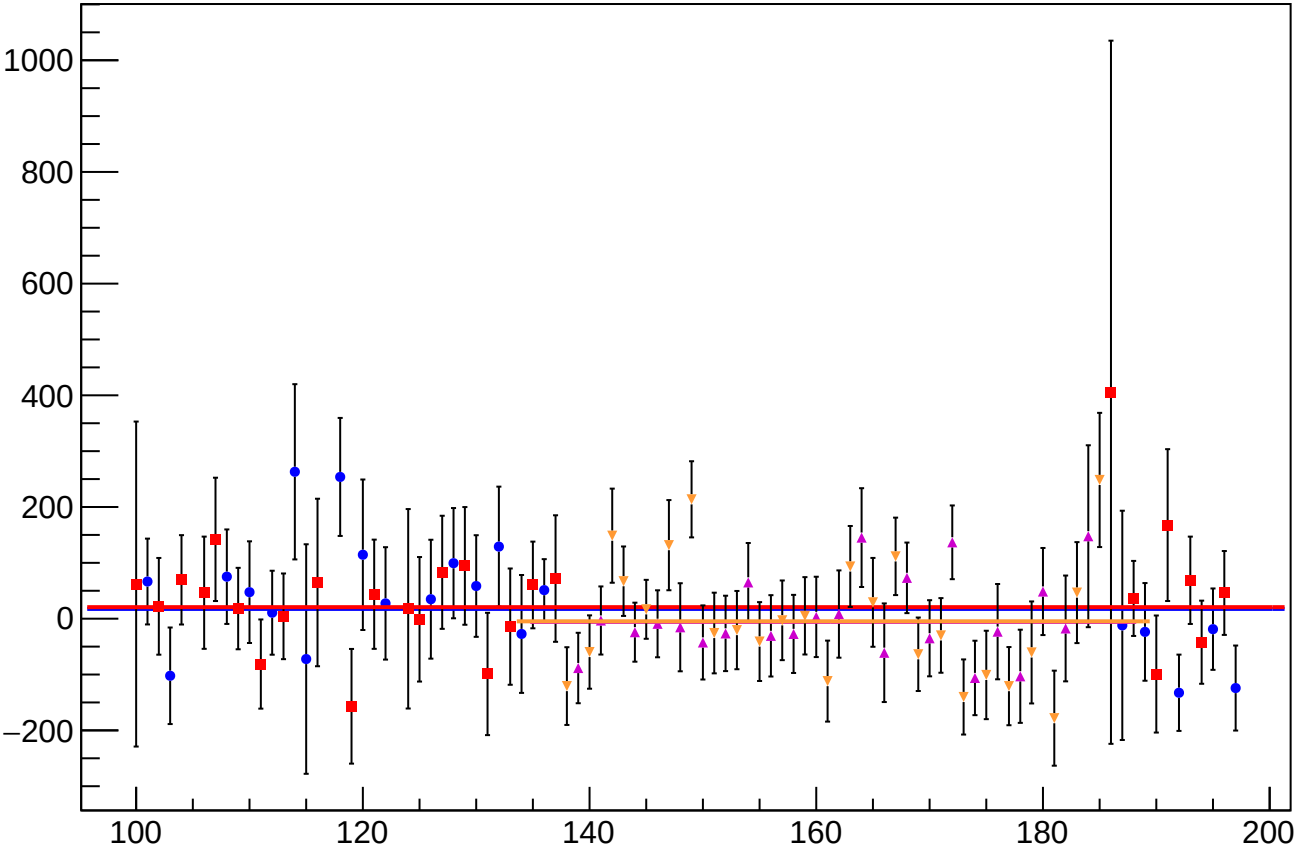
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 351.556+/-0.047 χ^2/NDF: 2694885.6/45

All: 349.684+/-0.033 χ^2/NDF: 6073501.8/94

- sign 347.842+/-0.046 χ^2/NDF: 3375420.6/48

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 17.511+/-19.645 χ^2/NDF: 22.4/20

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 20.640+/-18.730 χ^2/NDF: 13.3/25

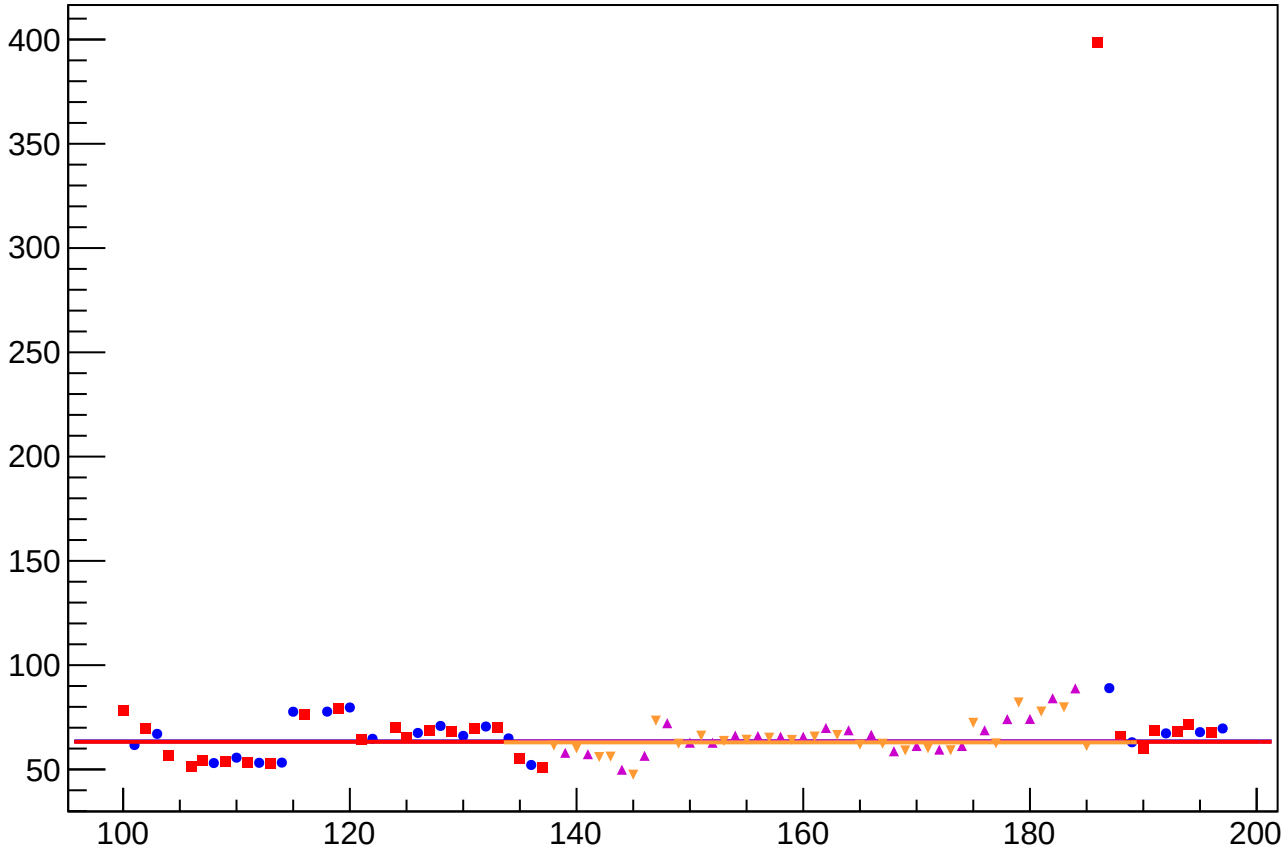
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 3.054+/-11.631 χ^2/NDF: 70.6/45

All: 3.768+/-8.240 χ^2/NDF: 103.4/94

- sign 4.488+/-11.675 χ^2/NDF: 32.8/48

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 63.436+/-0.014 χ^2/NDF: 336691.1/20

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

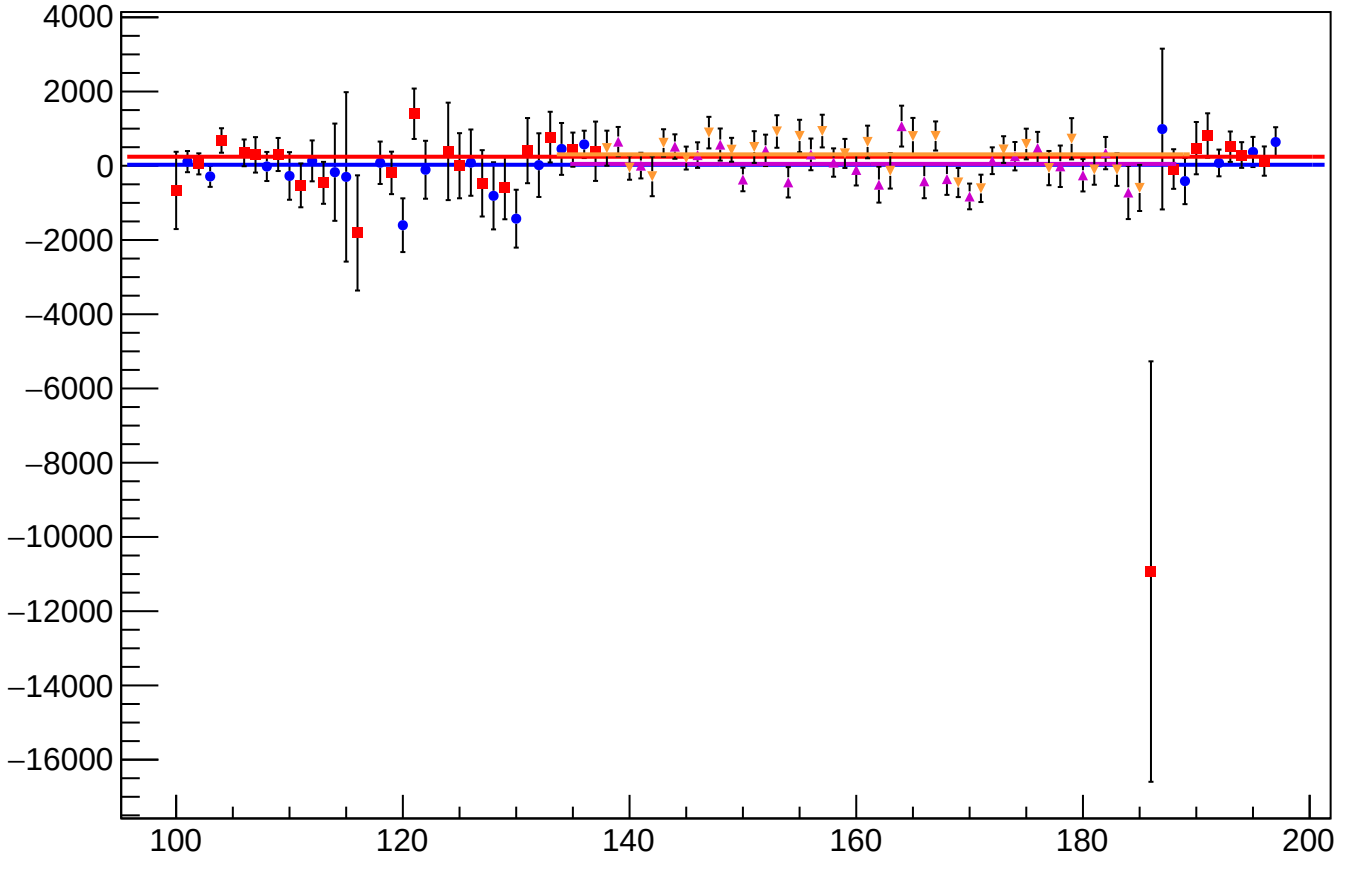
Right Out: 63.249+/-0.013 χ^2/NDF: 923868.3/25

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 63.137+/-0.008 χ^2/NDF: 864261.6/45

All: 63.228+/-0.006 χ^2/NDF: 2285349.8/94

\- sign 63.320+/-0.008 χ^2/NDF: 1420841.5/48



Right In: 26.879+/-110.197 χ^2/NDF: 17.5/20

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

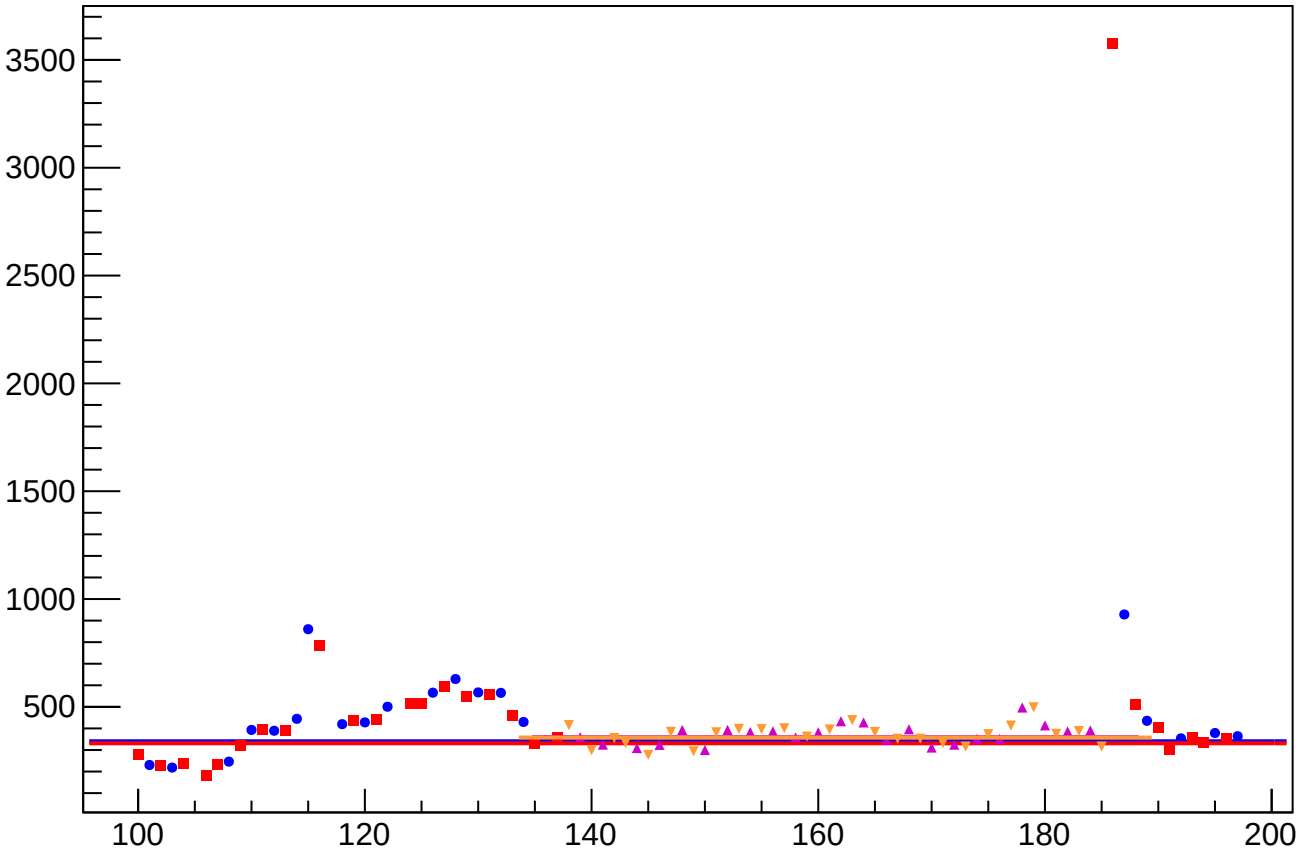
Right Out: 243.306+/-102.779 χ^2/NDF: 20.0/25

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 206.718+/-65.971 χ^2/NDF: 52.3/45

All: 167.211+/-46.455 χ^2/NDF: 102.4/94

- sign 128.353+/-65.428 χ^2/NDF: 49.4/48



Right In: 340.501+/-0.078 χ^2/NDF: 1979786.6/20

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 330.952+/-0.073 χ^2/NDF: 2764849.0/25

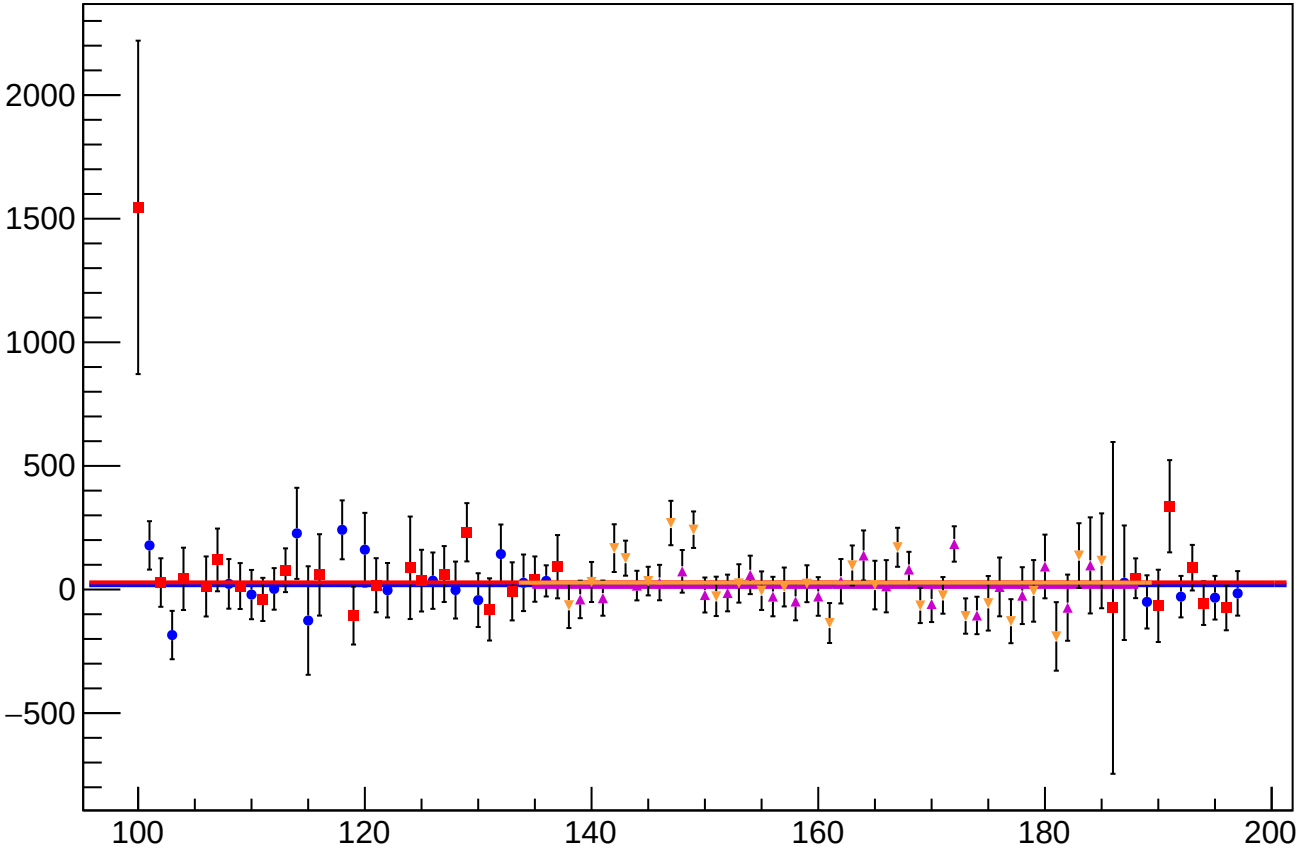
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 351.556+/-0.047 χ^2/NDF: 2694885.6/45

All: 349.684+/-0.033 χ^2/NDF: 6073501.8/94

- sign 347.842+/-0.046 χ^2/NDF: 3375420.6/48

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 17.479+/-22.752 χ^2/NDF: 16.1/20

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 28.822+/-22.250 χ^2/NDF: 18.0/25

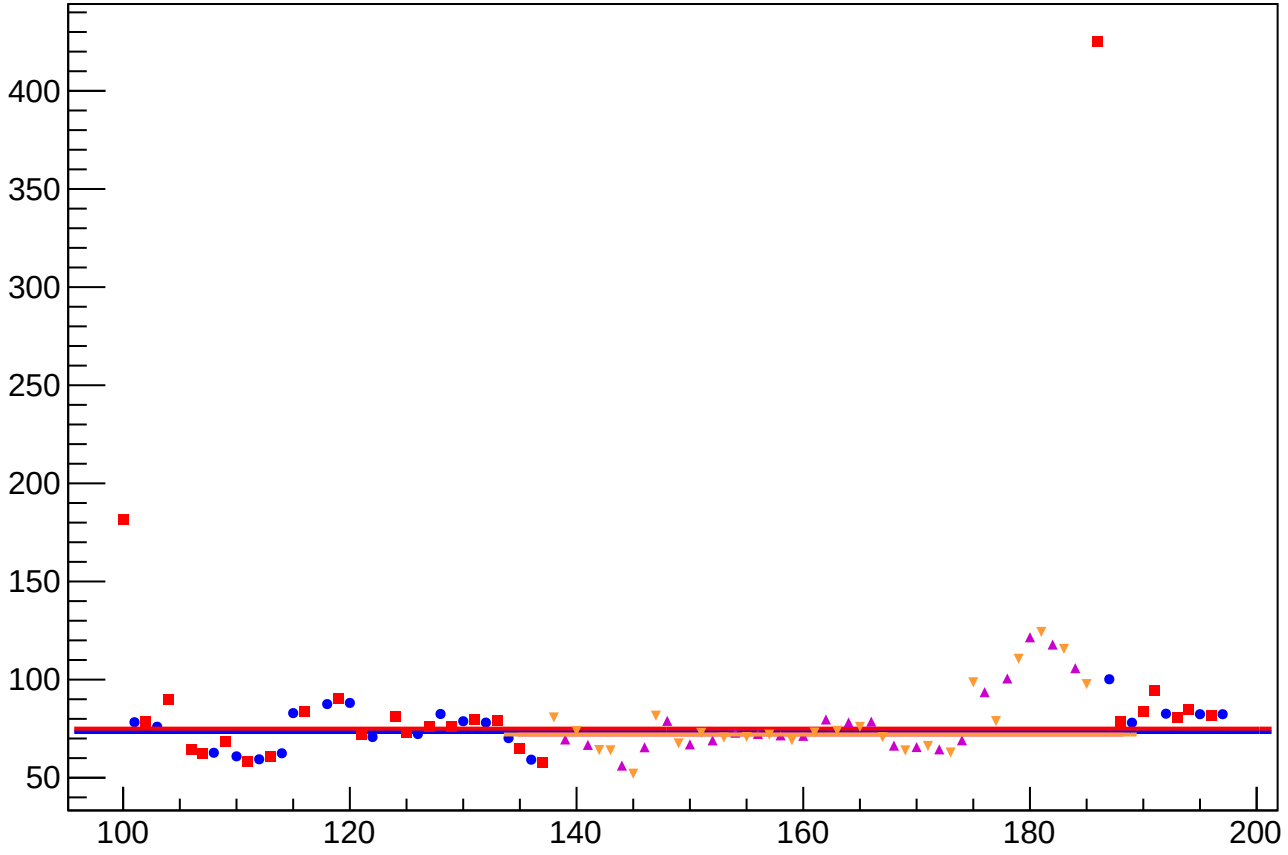
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 24.062+/-13.485 χ^2/NDF: 58.6/45

All: 20.754+/-9.583 χ^2/NDF: 93.2/94

- sign 17.379+/-13.620 χ^2/NDF: 34.5/48

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.315+/-0.016 χ^2/NDF: 394374.1/20

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.030+/-0.016 χ^2/NDF: 981097.3/25

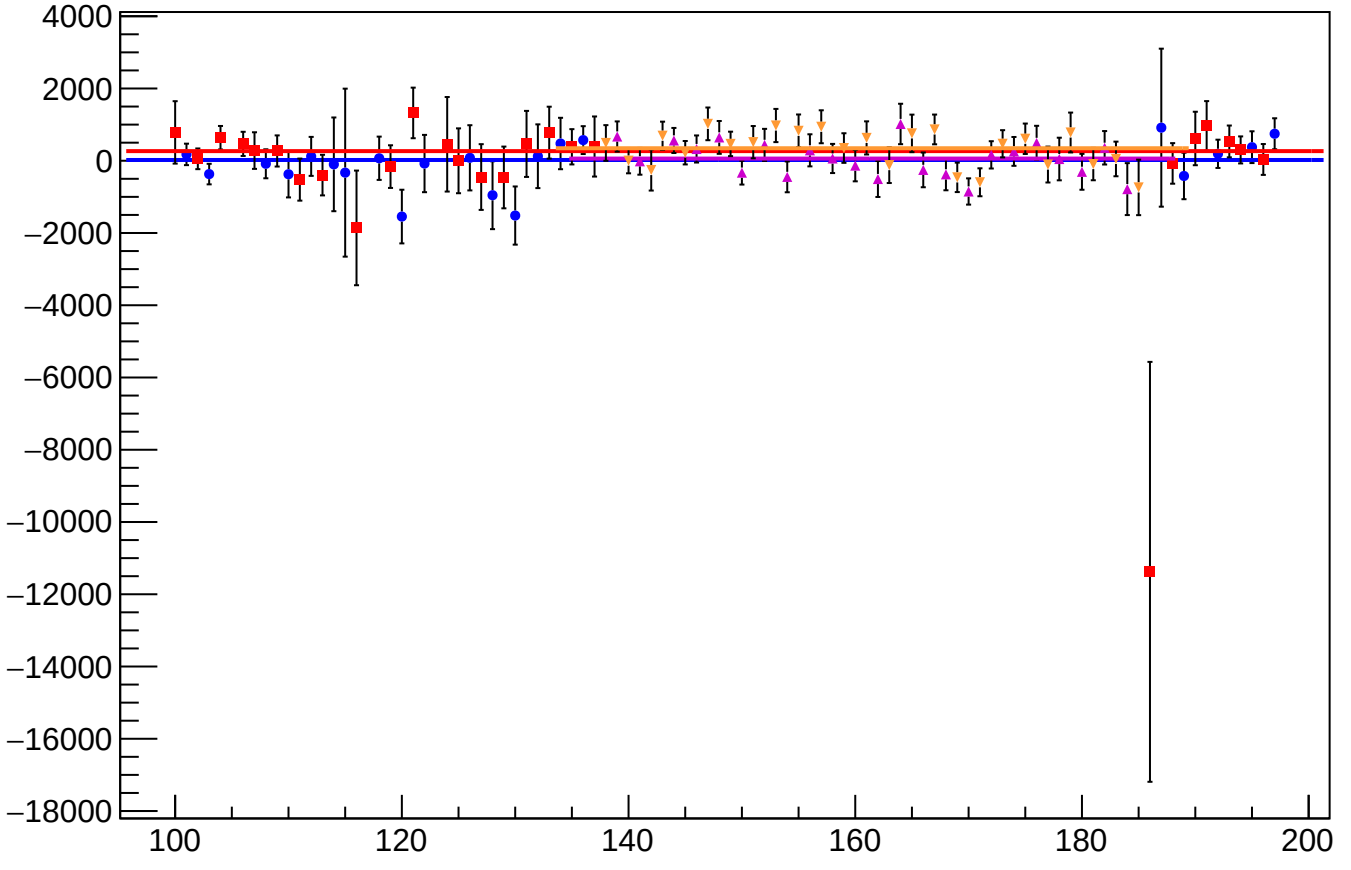
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.488+/-0.010 χ^2/NDF: 1667916.3/45

All: 72.837+/-0.007 χ^2/NDF: 3732370.9/94

- sign 73.193+/-0.010 χ^2/NDF: 2061751.8/48

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 20.906+/-114.402 χ^2/NDF: 18.7/20

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 266.406+/-104.993 χ^2/NDF: 18.8/25

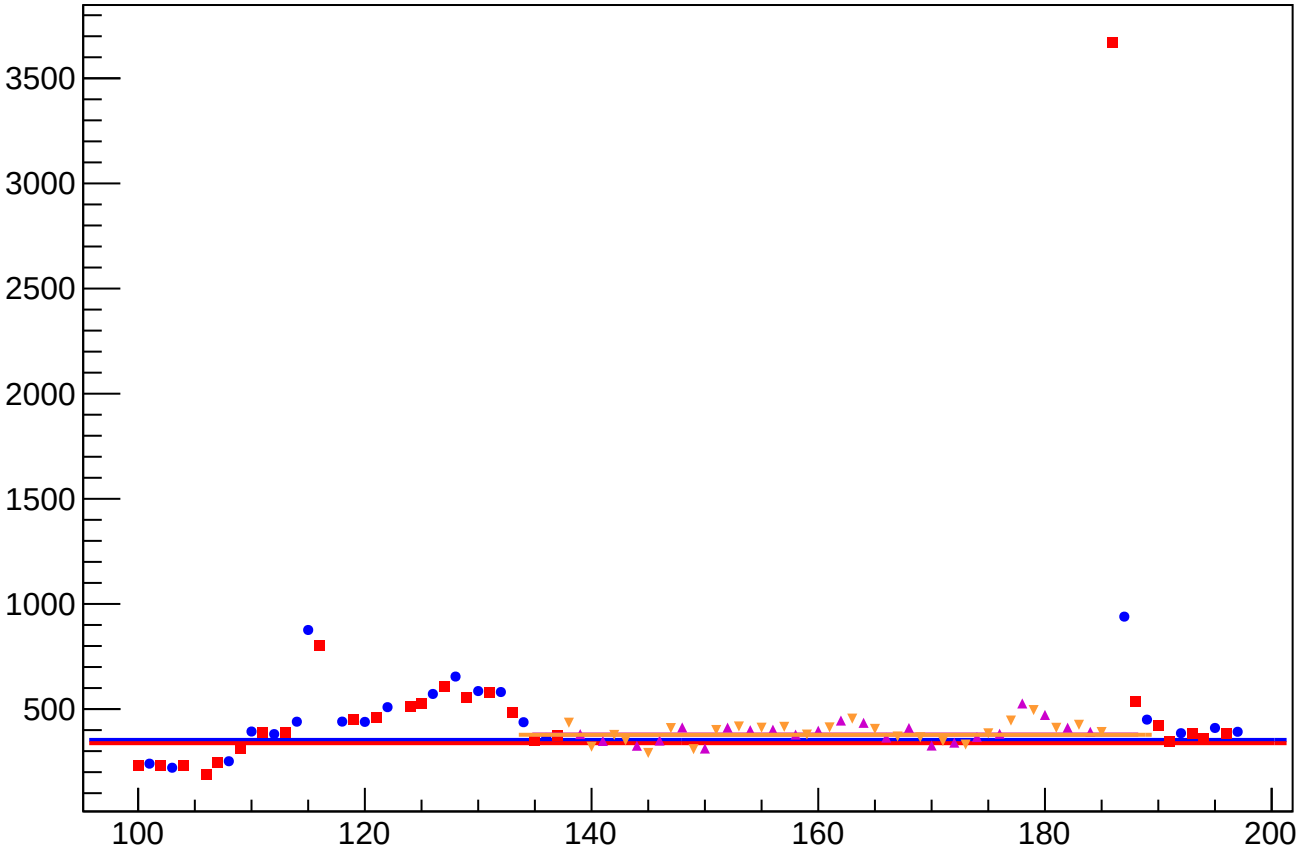
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 227.172+/-69.161 χ^2/NDF: 52.7/45

All: 186.304+/-48.515 χ^2/NDF: 100.3/94

- sign 146.712+/-68.072 χ^2/NDF: 46.9/48

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 353.317+/-0.081 χ^2/NDF: 2022968.7/20

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 337.757+/-0.074 χ^2/NDF: 2971121.4/25

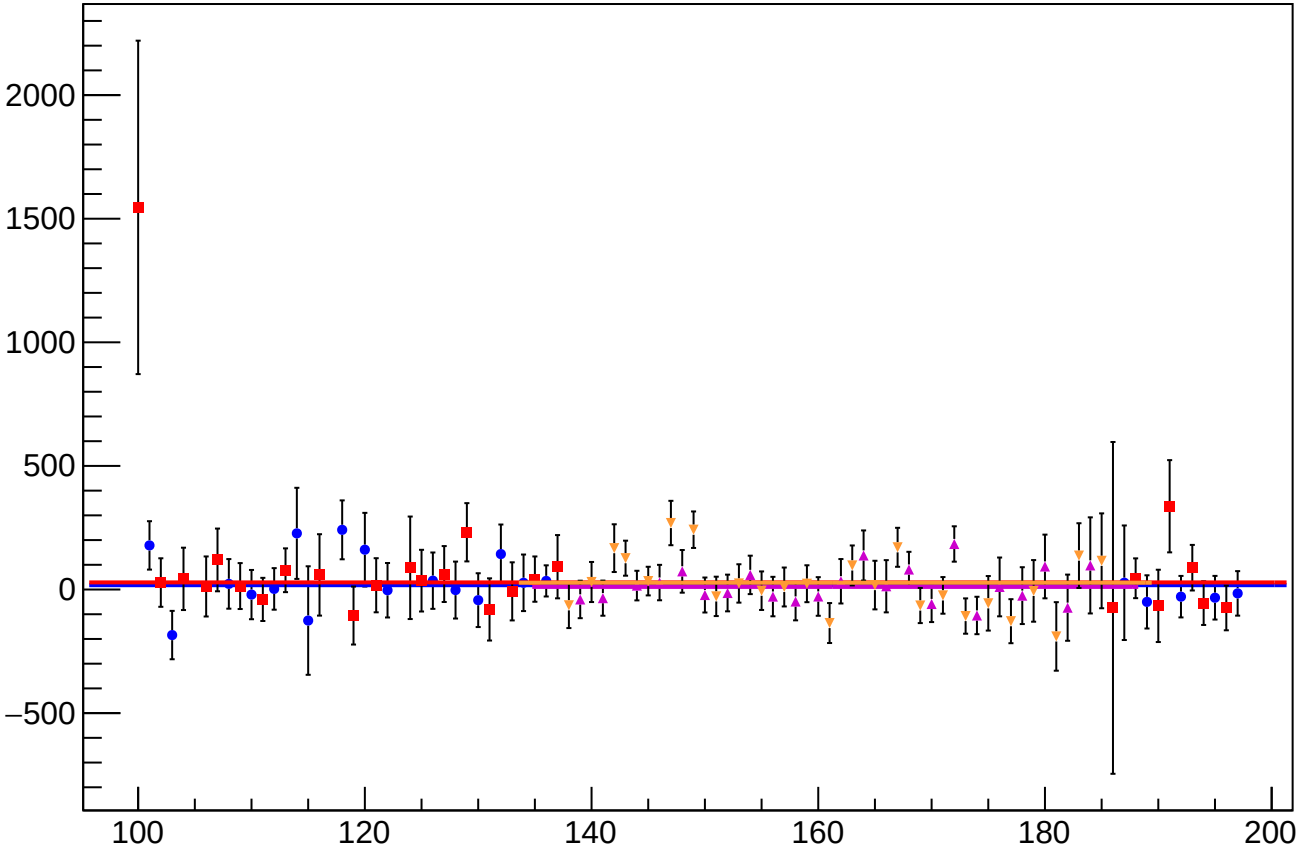
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 368.850+/-0.049 χ^2/NDF: 2717792.7/45

All: 365.161+/-0.034 χ^2/NDF: 6405553.7/94

- sign 361.587+/-0.048 χ^2/NDF: 3676558.2/48

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 17.479+/-22.752 χ^2/NDF: 16.1/20

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 28.822+/-22.250 χ^2/NDF: 18.0/25

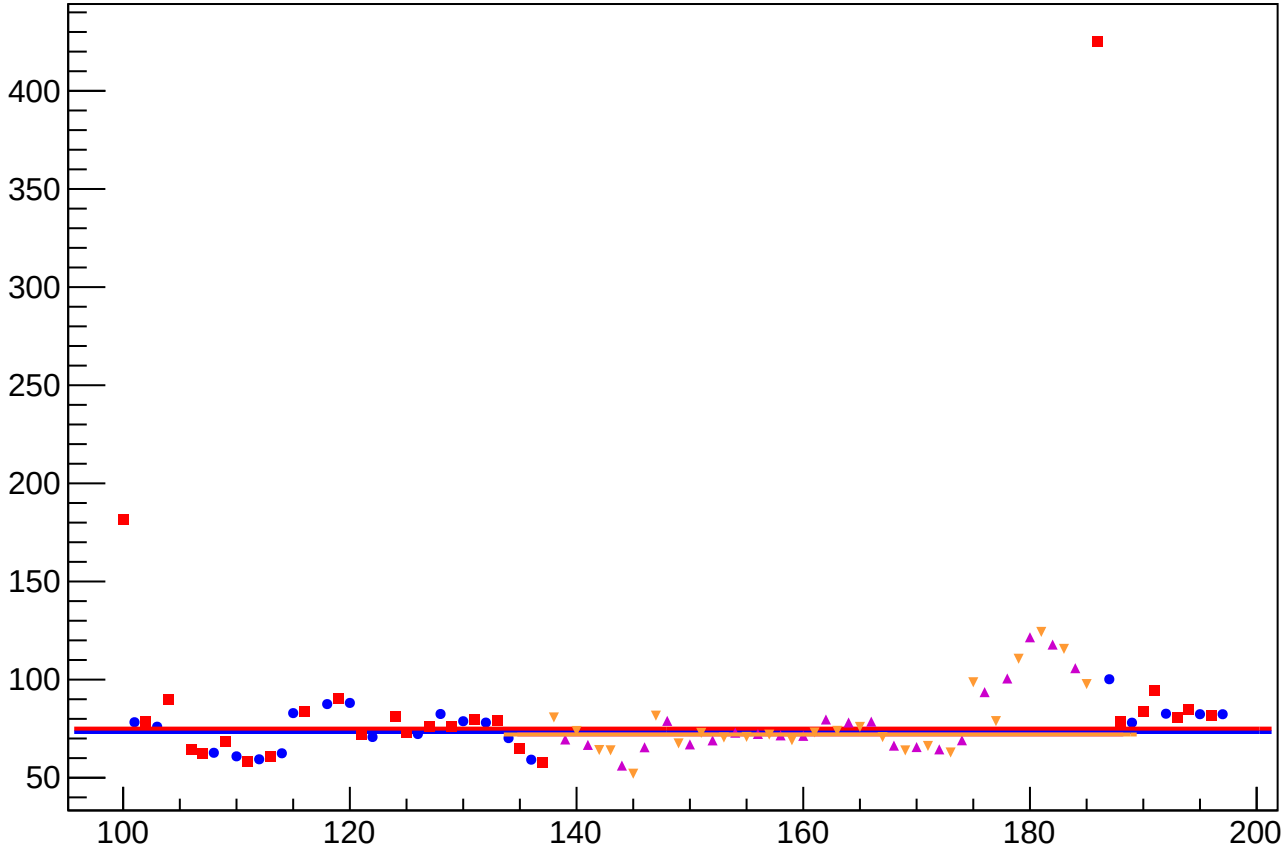
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 24.062+/-13.485 χ^2/NDF: 58.6/45

All: 20.754+/-9.583 χ^2/NDF: 93.2/94

- sign 17.379+/-13.620 χ^2/NDF: 34.5/48

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.315+/-0.016 χ^2/NDF: 394373.0/20

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

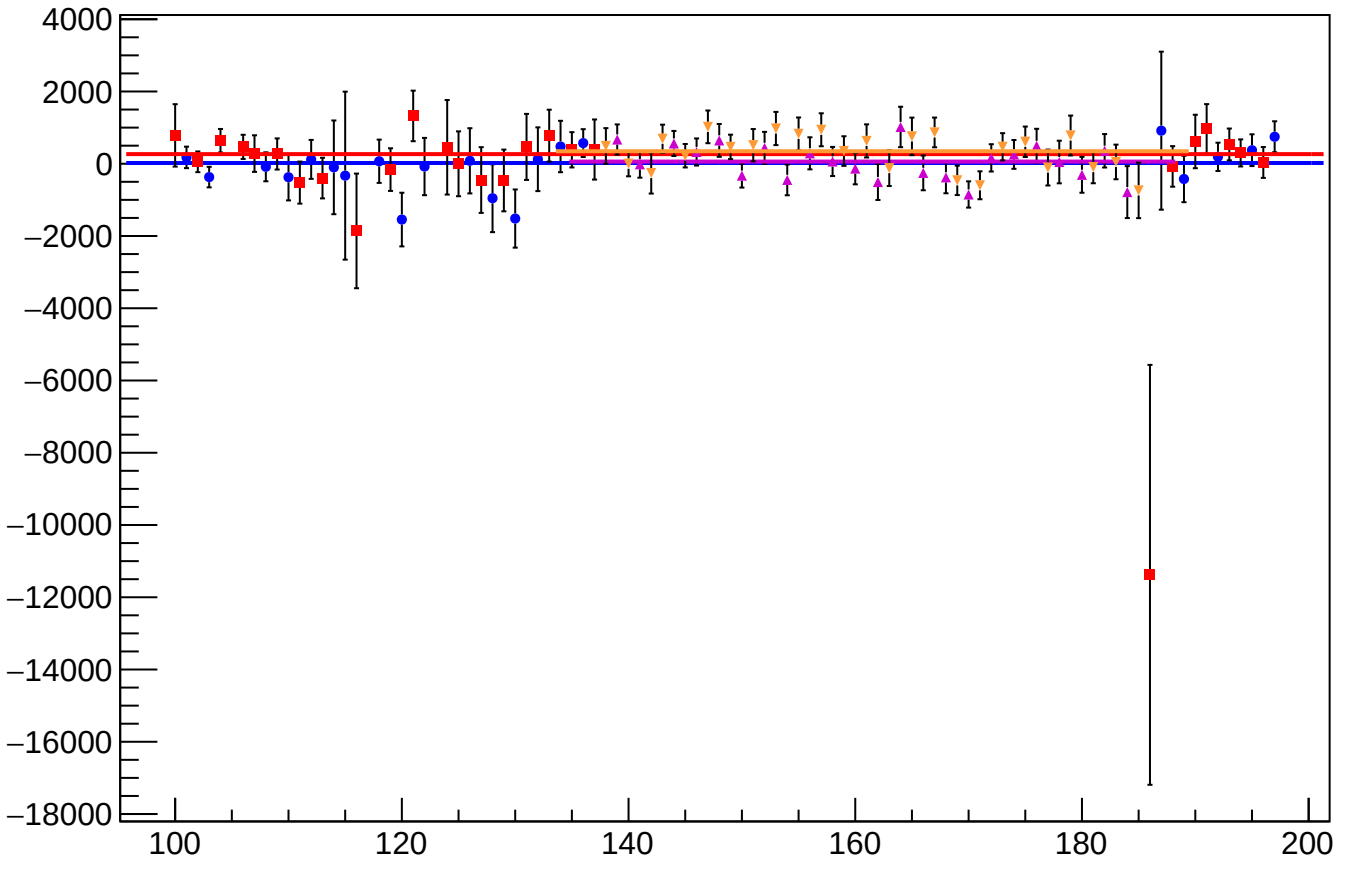
Right Out: 75.030+/-0.016 χ^2/NDF: 981095.7/25

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.488+/-0.010 χ^2/NDF: 1667923.2/45

All: 72.837+/-0.007 χ^2/NDF: 3732366.0/94

- sign 73.193+/-0.010 χ^2/NDF: 2061740.4/48



Right In: 20.905+/-114.402 χ^2/NDF: 18.7/20

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

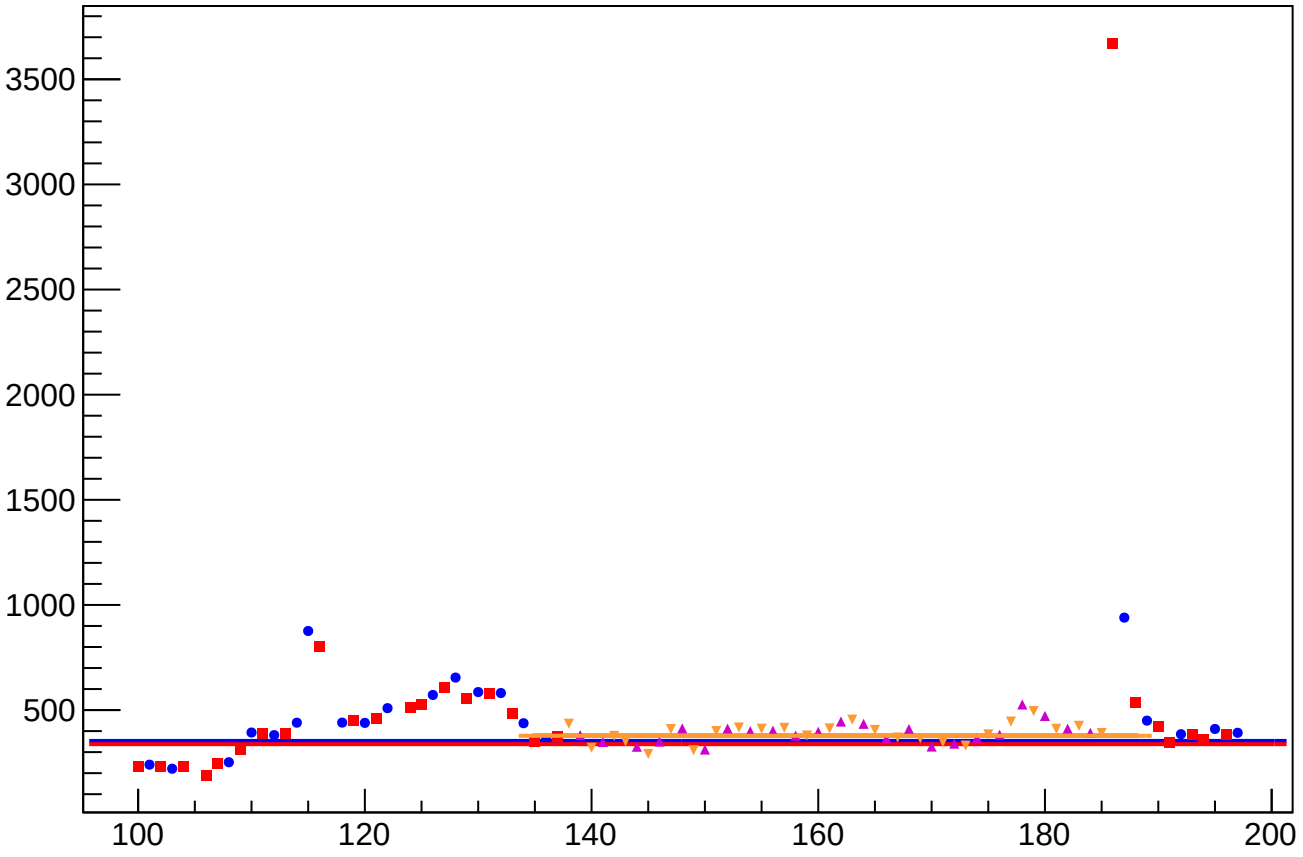
Right Out: 266.406+/-104.993 χ^2/NDF: 18.8/25

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 227.171+/-69.160 χ^2/NDF: 52.7/45

All: 186.303+/-48.515 χ^2/NDF: 100.3/94

- sign 146.712+/-68.072 χ^2/NDF: 46.9/48



Right In: 353.317+/-0.081 χ^2/NDF: 2022966.0/20

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 337.757+/-0.074 χ^2/NDF: 2971110.9/25

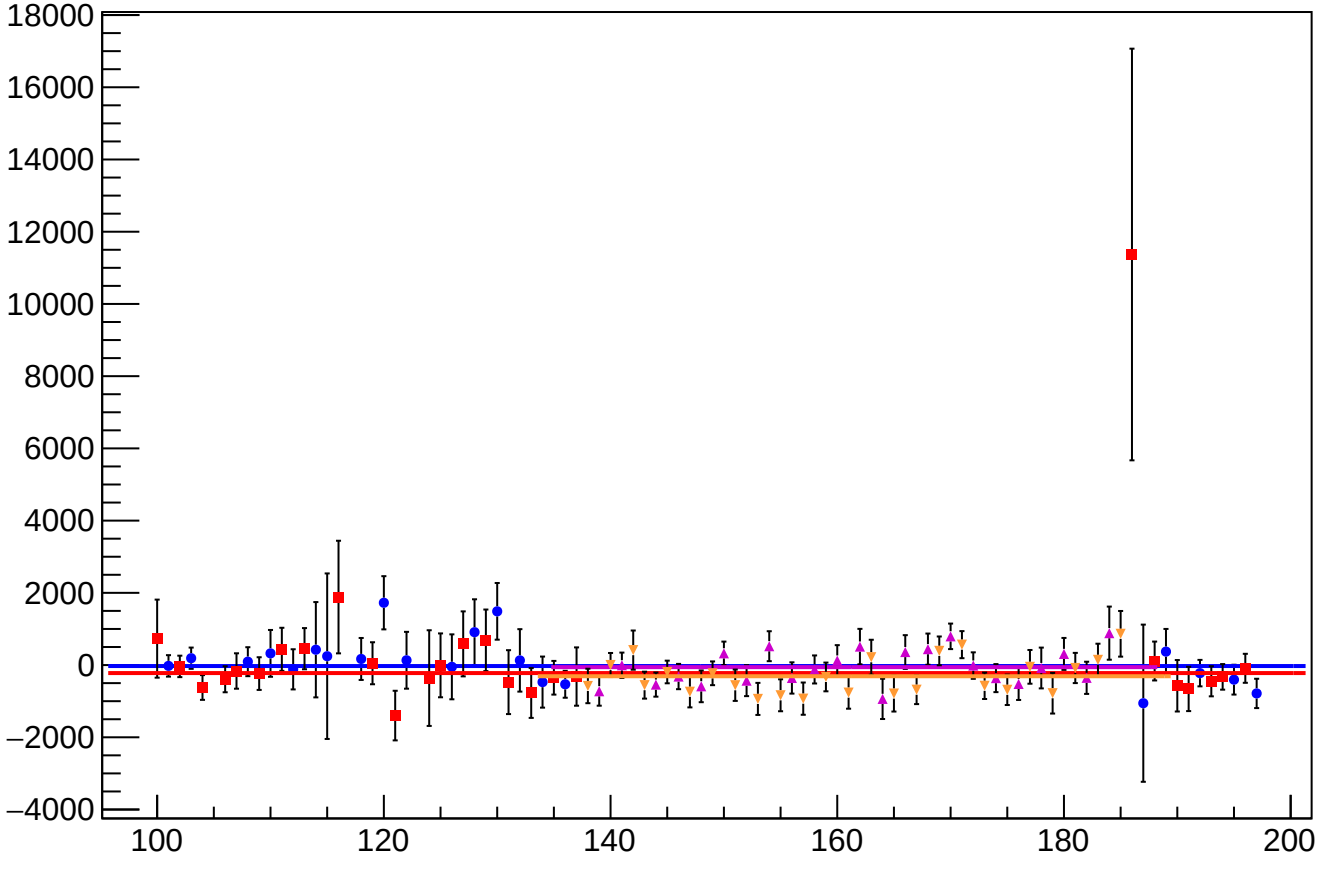
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 368.850+/-0.049 χ^2/NDF: 2717787.7/45

All: 365.161+/-0.034 χ^2/NDF: 6405533.4/94

- sign 361.587+/-0.048 χ^2/NDF: 3676542.7/48

asym_sam_37_48_dd_mean vs Slug



Right In: -26.948+/-112.781 χ^2/NDF: 19.2/20

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -221.456+/-104.936 χ^2/NDF: 19.0/25

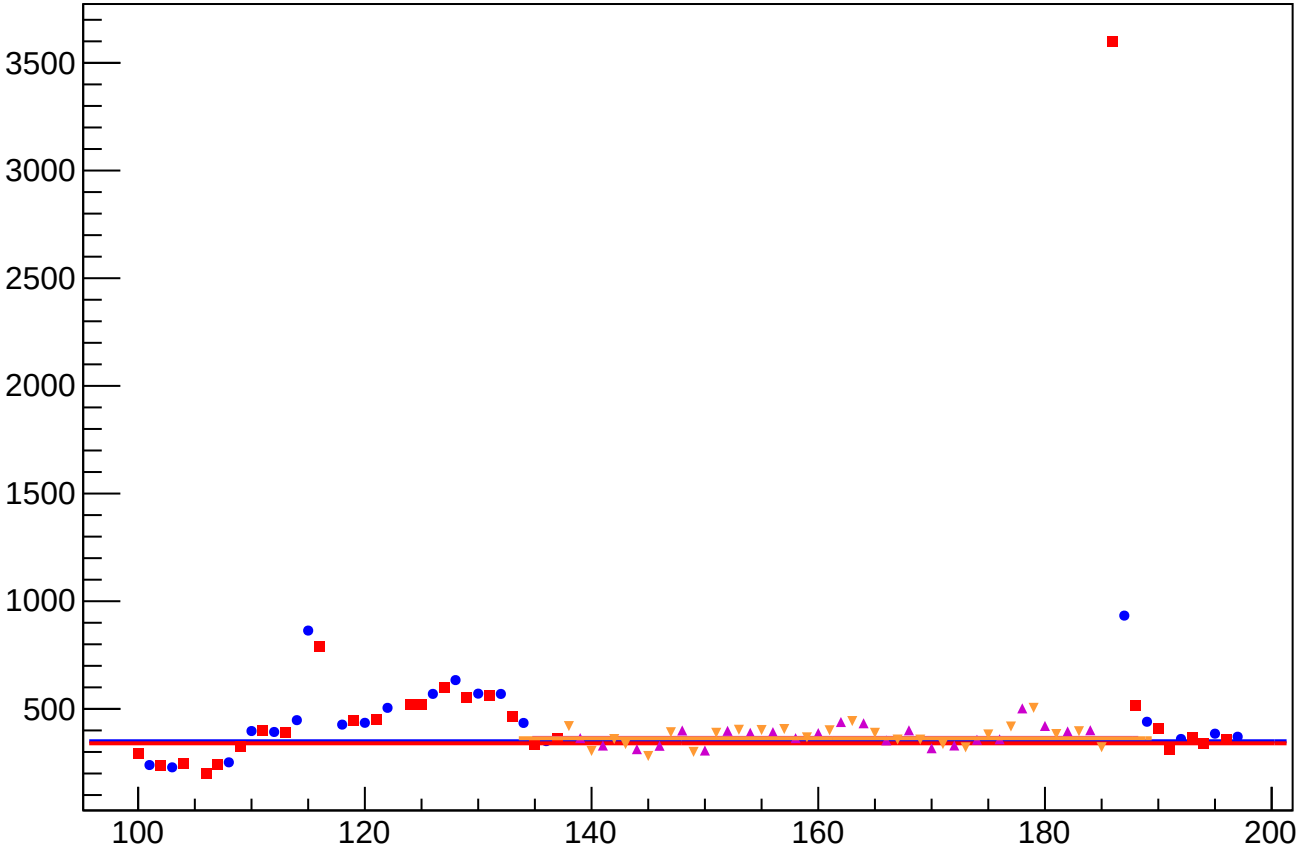
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -209.030+/-67.215 χ^2/NDF: 53.2/45

All: -165.939+/-47.316 χ^2/NDF: 102.4/94

- sign -123.608+/-66.619 χ^2/NDF: 48.4/48

asym_sam_37_48_dd_rms vs Slug



Right In: 349.680+/-0.080 χ^2/NDF: 1847008.3/20

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

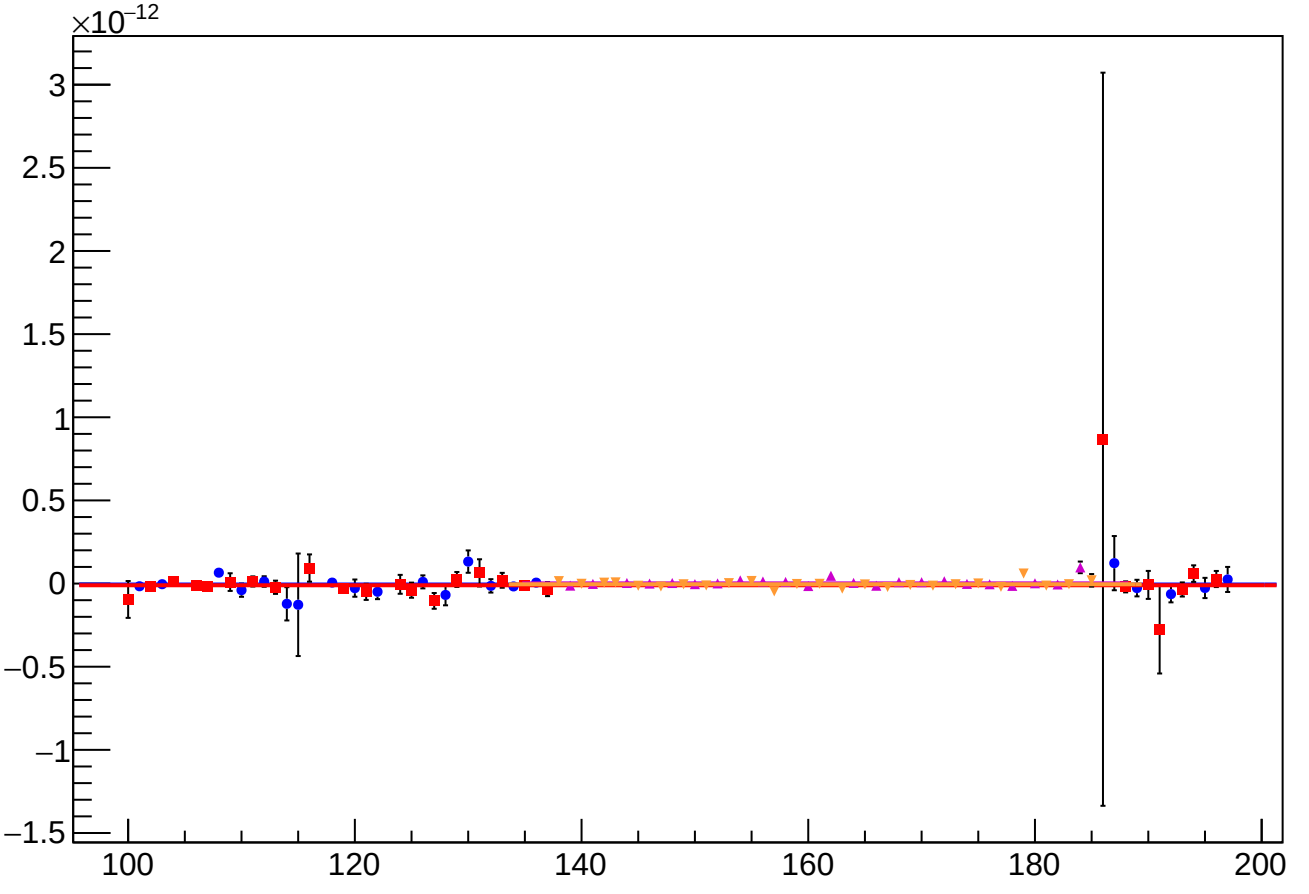
Right Out: 340.224+/-0.074 χ^2/NDF: 2596211.7/25

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 358.729+/-0.048 χ^2/NDF: 2536220.3/45

All: 356.953+/-0.033 χ^2/NDF: 5713006.3/94

- sign 355.207+/-0.047 χ^2/NDF: 3174016.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

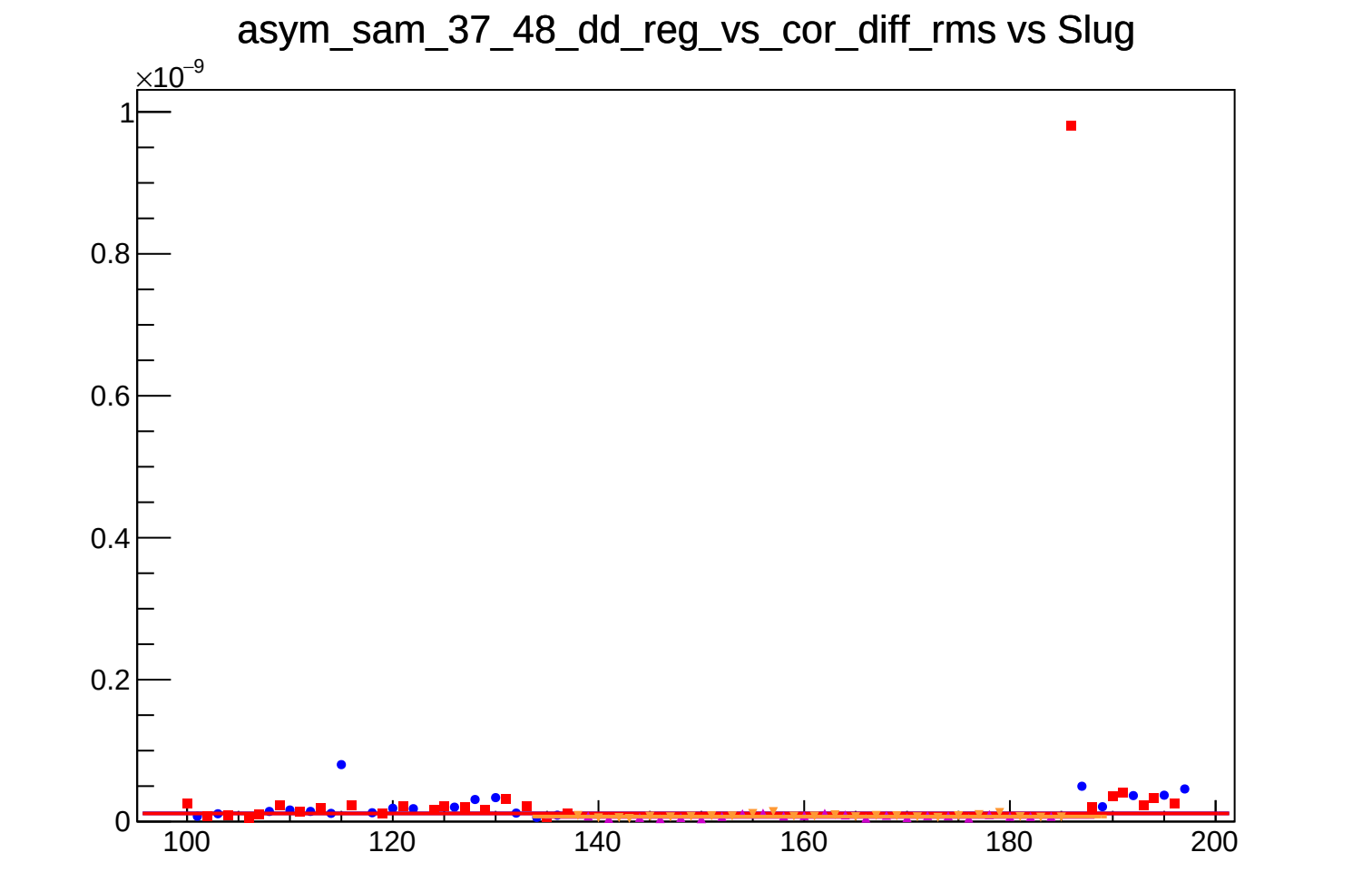
Right Out: -0.000+/-0.000 χ^2/NDF: 16.6/25

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/45

All: -0.000+/-0.000 χ^2/NDF: 83.5/94

- sign -0.000+/-0.000 χ^2/NDF: 41.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 2705275.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2959506.8/25

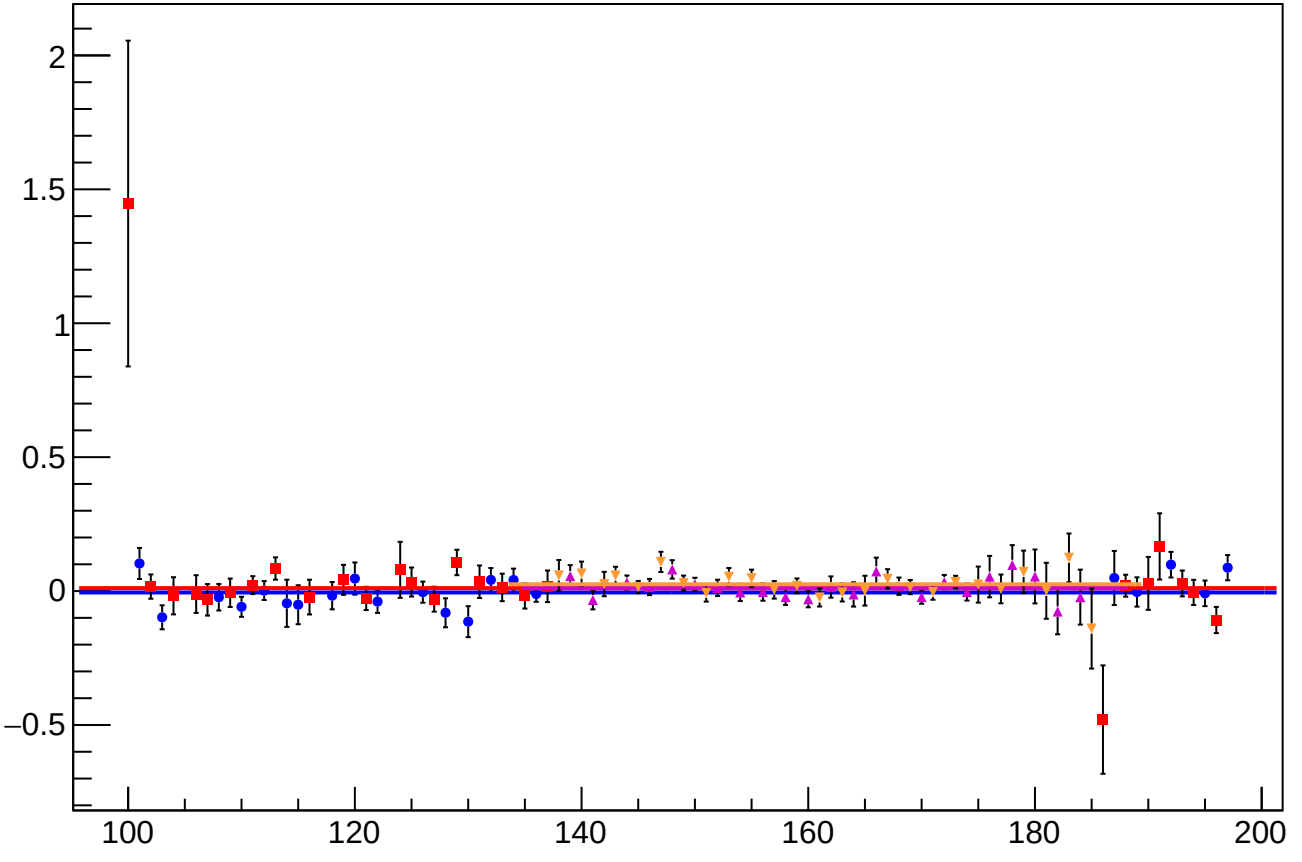
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4451037.3/45

All: 0.000+/-0.000 χ^2/NDF: 9795167.9/94

- sign 0.000+/-0.000 χ^2/NDF: 5289549.2/48

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.010 χ^2/NDF: 28.8/20

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.011+/-0.011 χ^2/NDF: 30.9/25

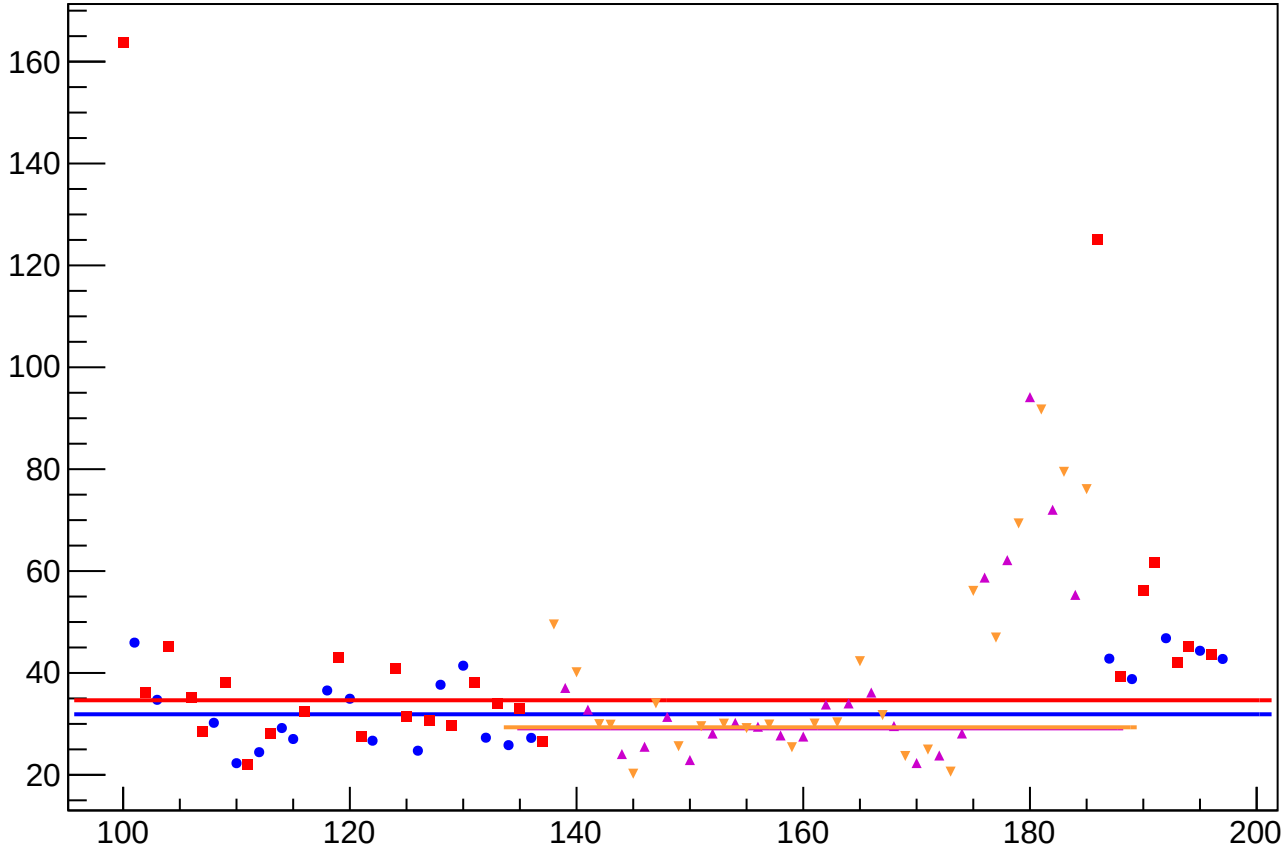
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.015+/-0.006 χ^2/NDF: 52.2/45

All: 0.013+/-0.004 χ^2/NDF: 102.3/94

- sign 0.011+/-0.006 χ^2/NDF: 49.8/48

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.890+/-0.007 χ^2/NDF: 1159979.1/20

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

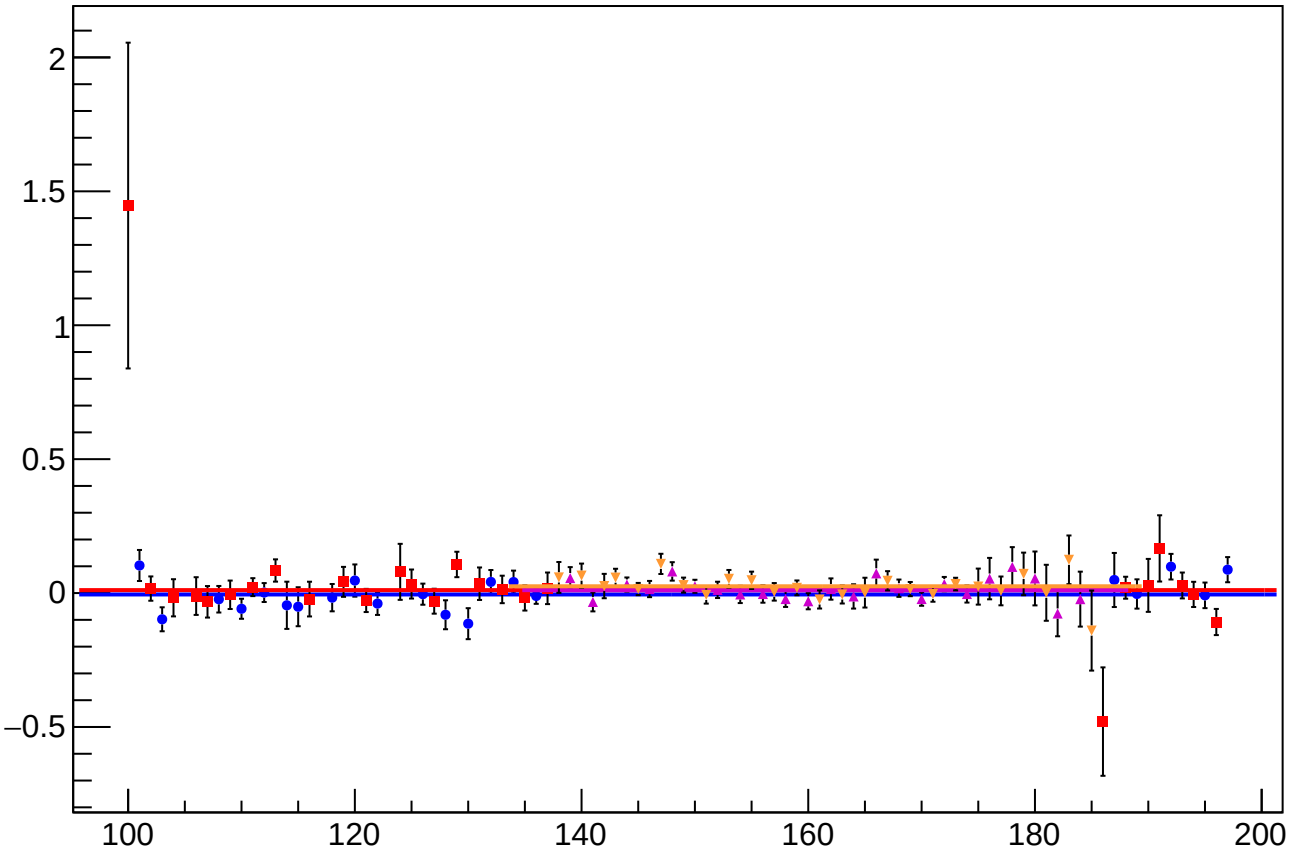
Right Out: 34.639+/-0.007 χ^2/NDF: 1527915.8/25

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.176+/-0.004 χ^2/NDF: 5118254.5/45

All: 30.530+/-0.003 χ^2/NDF: 9867878.3/94

- sign 30.900+/-0.004 χ^2/NDF: 4734810.2/48



Right In: -0.005+/-0.010 χ^2/NDF: 28.8/20

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

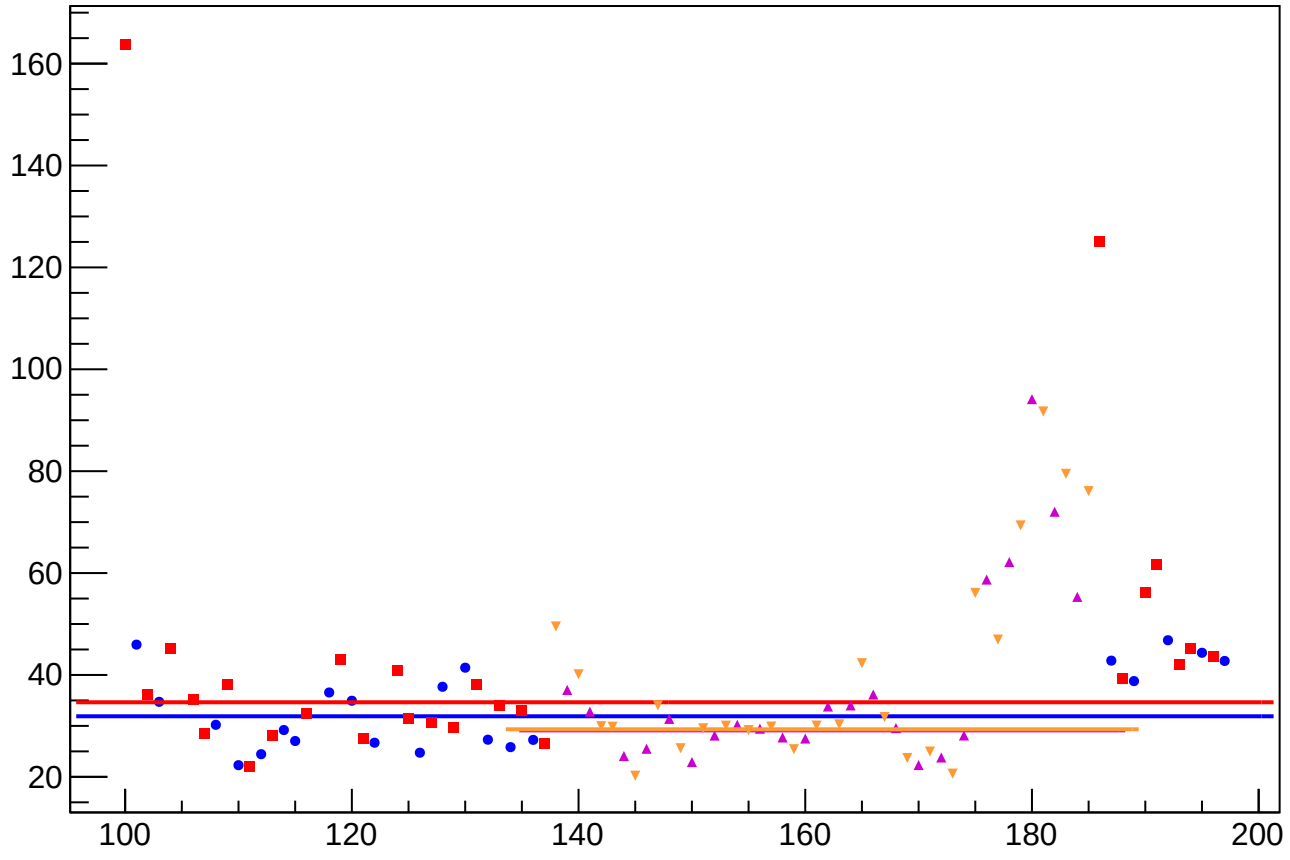
Right Out: 0.011+/-0.011 χ^2/NDF: 30.9/25

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.015+/-0.006 χ^2/NDF: 52.2/45

All: 0.013+/-0.004 χ^2/NDF: 102.3/94

- sign 0.011+/-0.006 χ^2/NDF: 49.8/48



Right In: 31.890+/-0.007 χ^2/NDF: 1159979.1/20

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

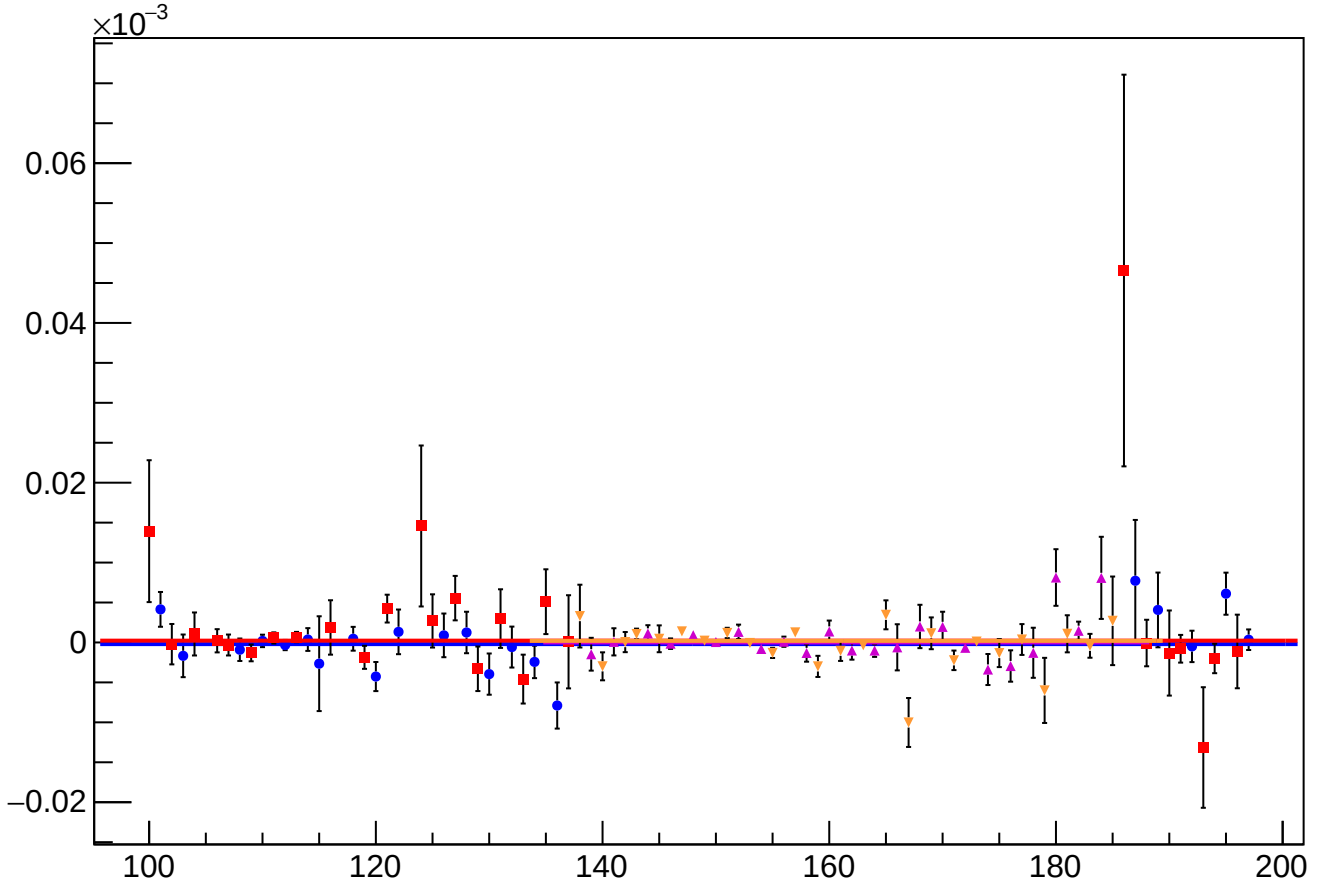
Right Out: 34.639+/-0.007 χ^2/NDF: 1527915.8/25

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.176+/-0.004 χ^2/NDF: 5118254.5/45

All: 30.530+/-0.003 χ^2/NDF: 9867878.3/94

- sign 30.900+/-0.004 χ^2/NDF: 4734810.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

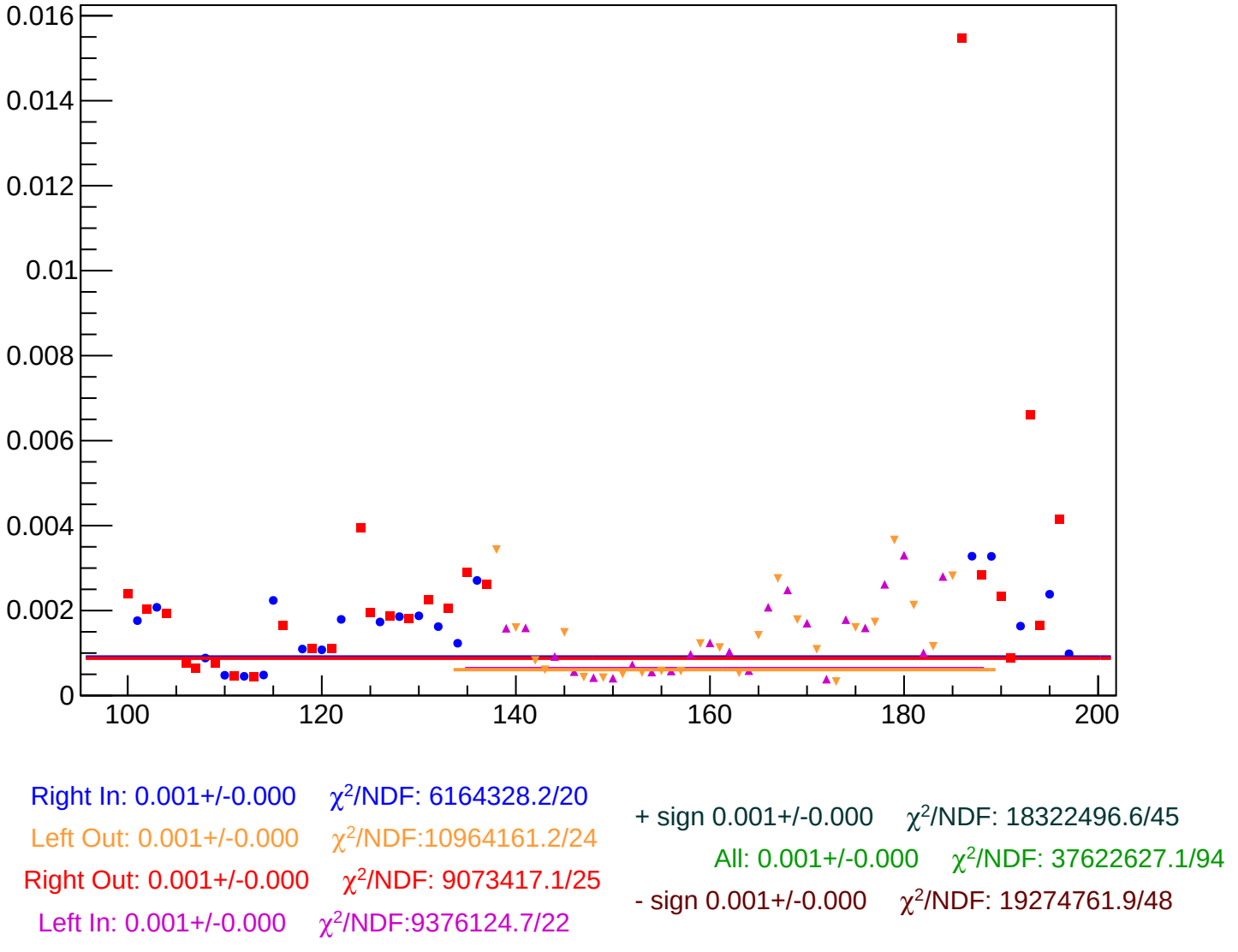
Right Out: 0.000+/-0.000 χ^2/NDF: 34.2/25

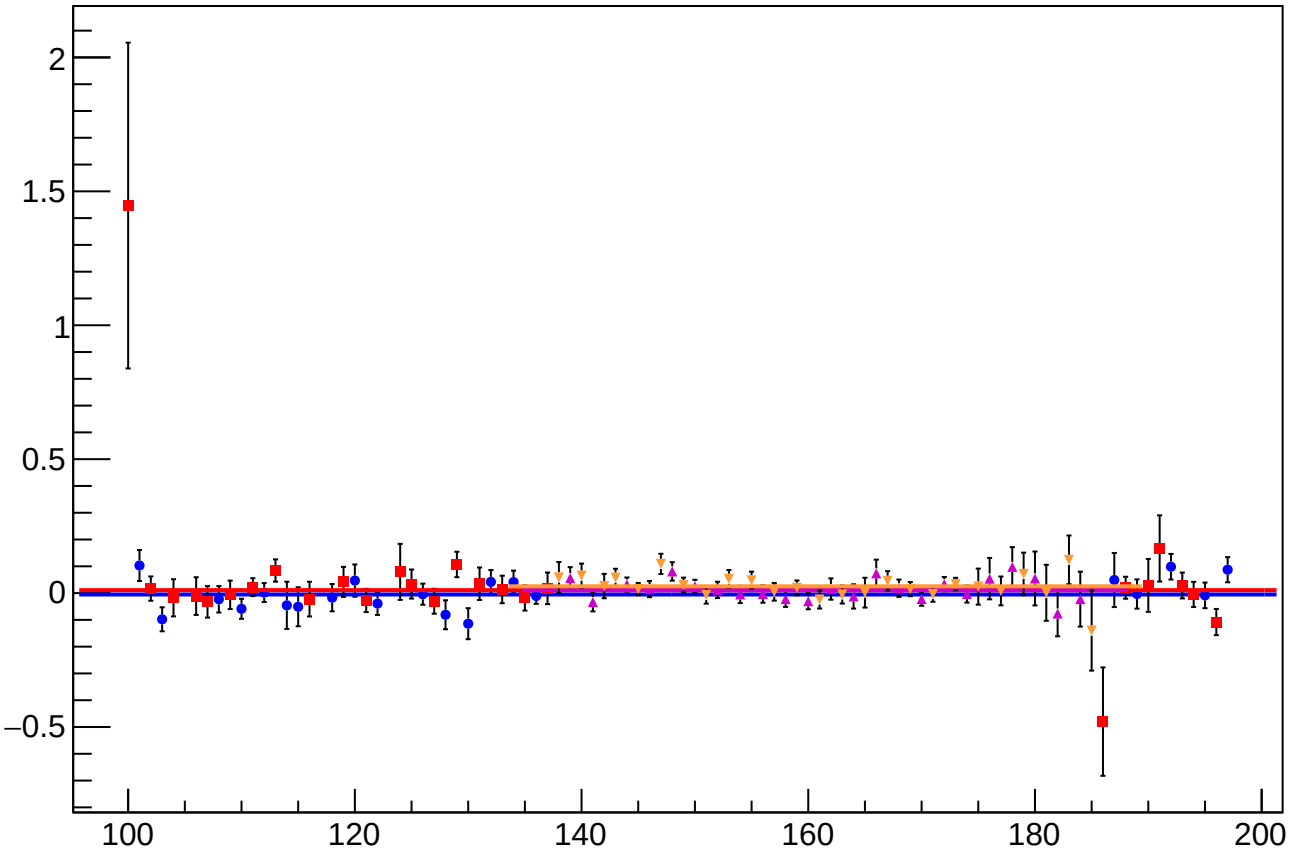
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.1/45

All: 0.000+/-0.000 χ^2/NDF: 150.7/94

- sign 0.000+/-0.000 χ^2/NDF: 67.5/48


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: 6164328.2/20
Left Out: 0.001+/-0.000 χ²/NDF:10964161.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 9073417.1/25
Left In: 0.001+/-0.000 χ²/NDF:9376124.7/22
+ sign 0.001+/-0.000 χ²/NDF: 18322496.6/45
All: 0.001+/-0.000 χ²/NDF: 37622627.1/94
- sign 0.001+/-0.000 χ²/NDF: 19274761.9/48



Right In: -0.005+/-0.010 χ^2/NDF: 28.8/20

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

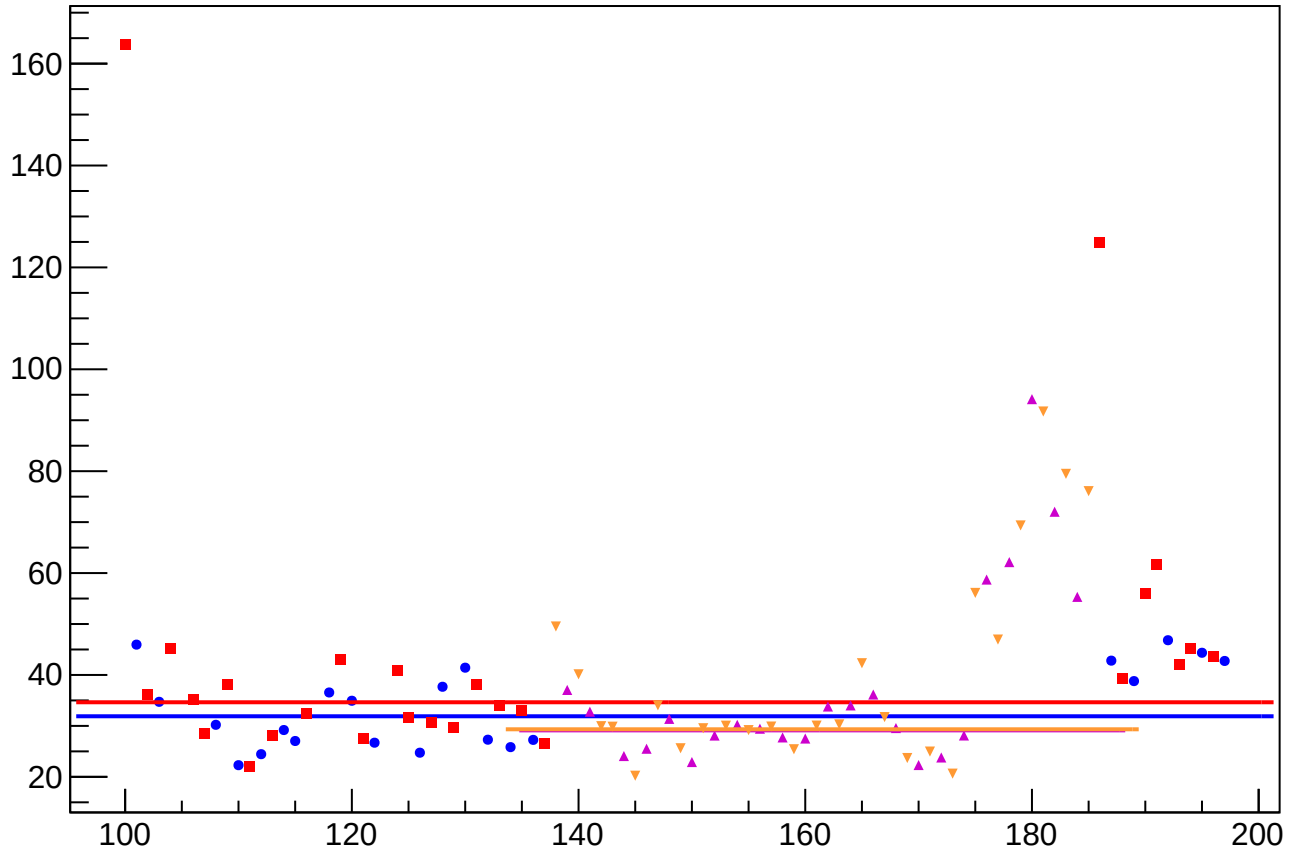
Right Out: 0.011+/-0.011 χ^2/NDF: 30.9/25

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.015+/-0.006 χ^2/NDF: 52.2/45

All: 0.013+/-0.004 χ^2/NDF: 102.3/94

- sign 0.011+/-0.006 χ^2/NDF: 49.8/48



Right In: 31.890+/-0.007 χ^2/NDF: 1159944.1/20

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

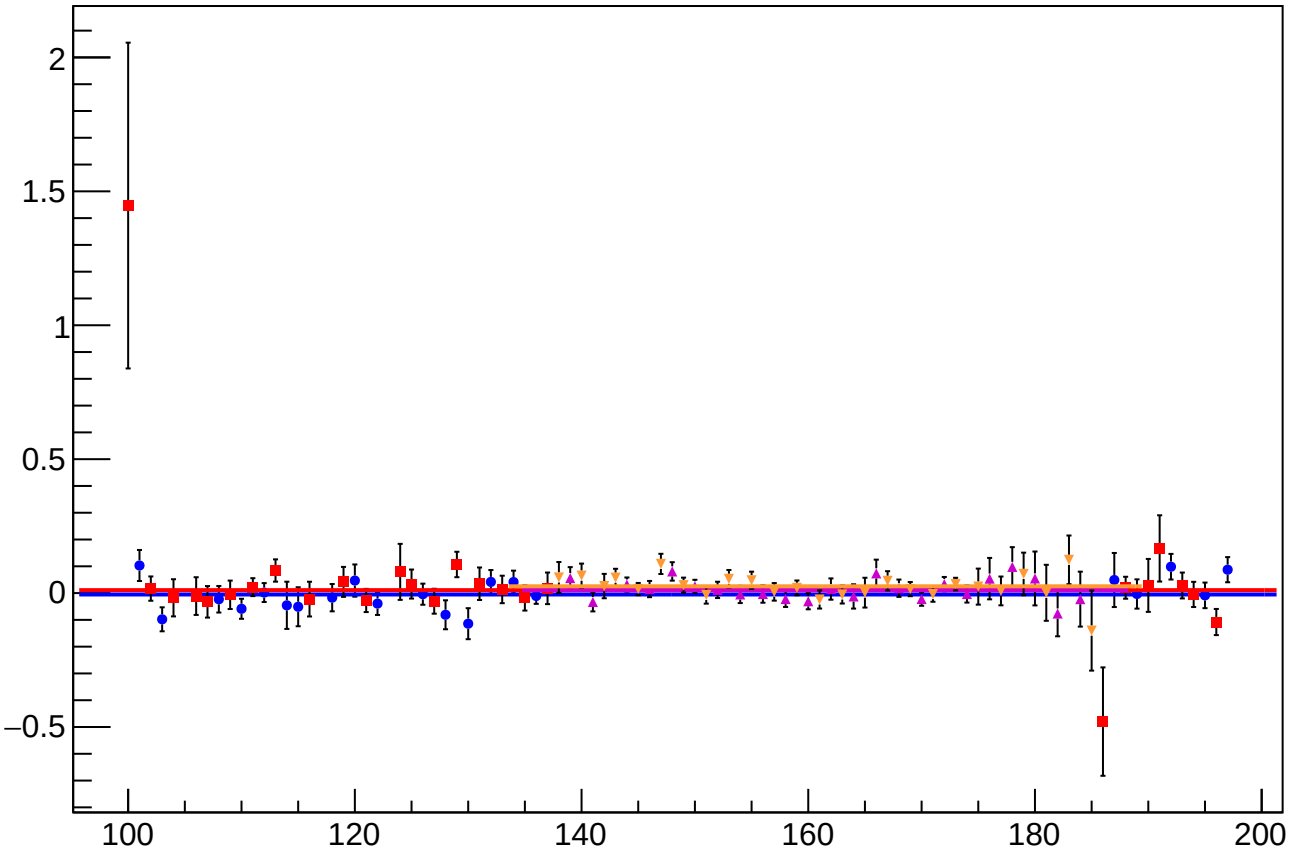
Right Out: 34.639+/-0.007 χ^2/NDF: 1527820.6/25

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.176+/-0.004 χ^2/NDF: 5118304.0/45

All: 30.530+/-0.003 χ^2/NDF: 9867835.7/94

- sign 30.900+/-0.004 χ^2/NDF: 4734717.0/48



Right In: -0.005+/-0.010 χ^2/NDF: 28.8/20

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

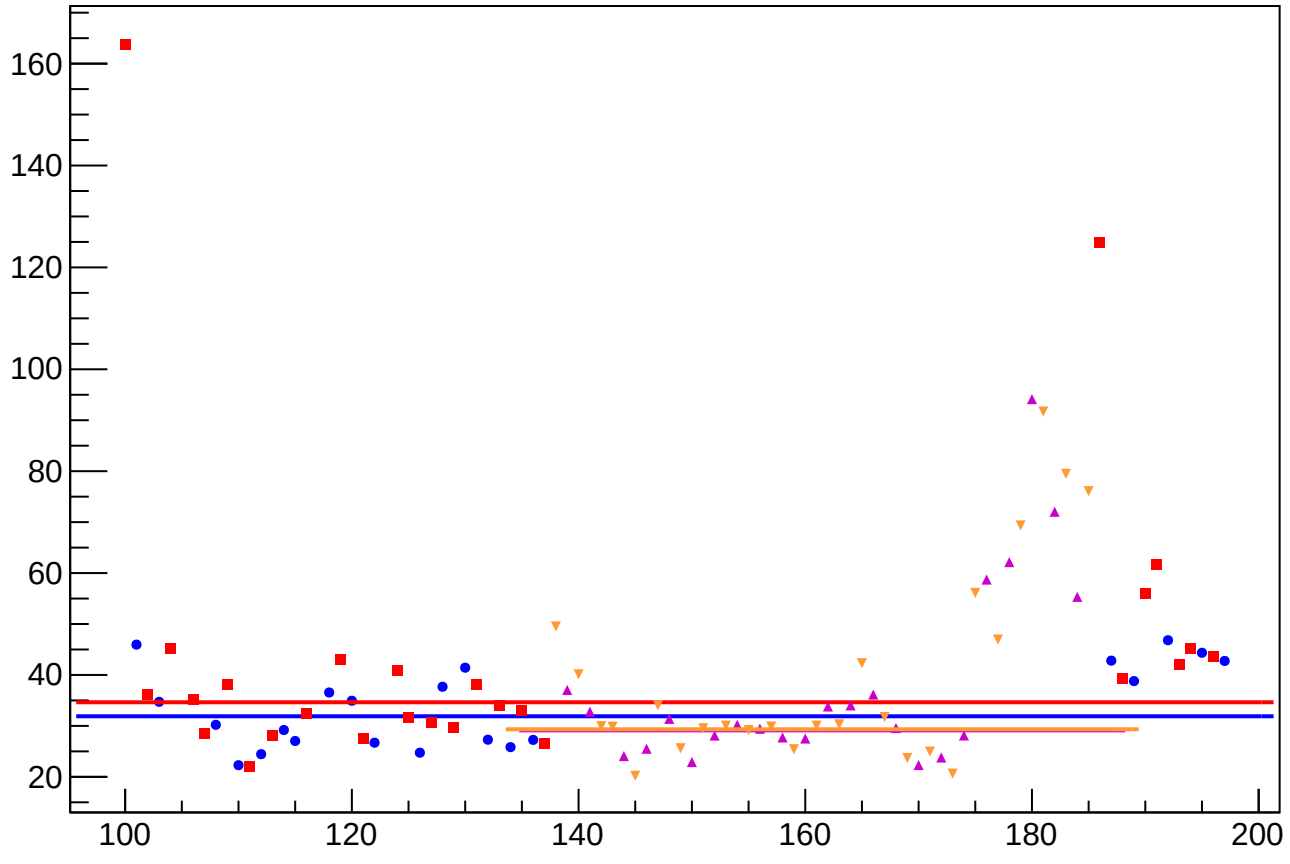
Right Out: 0.011+/-0.011 χ^2/NDF: 30.9/25

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.015+/-0.006 χ^2/NDF: 52.2/45

All: 0.013+/-0.004 χ^2/NDF: 102.3/94

- sign 0.011+/-0.006 χ^2/NDF: 49.8/48



Right In: 31.890+/-0.007 χ^2/NDF: 1159944.1/20

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

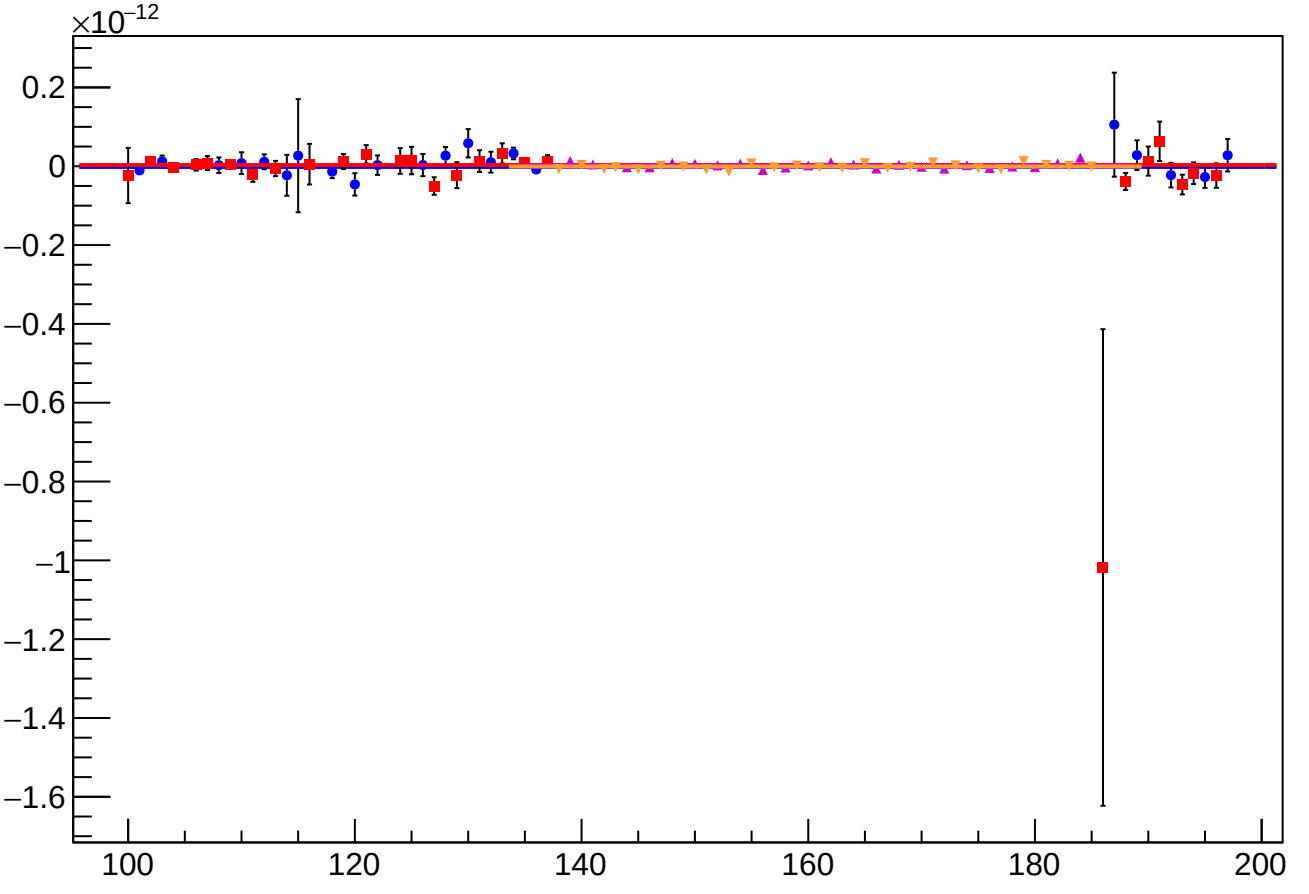
Right Out: 34.639+/-0.007 χ^2/NDF: 1527820.6/25

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.176+/-0.004 χ^2/NDF: 5118304.0/45

All: 30.530+/-0.003 χ^2/NDF: 9867835.7/94

- sign 30.900+/-0.004 χ^2/NDF: 4734717.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

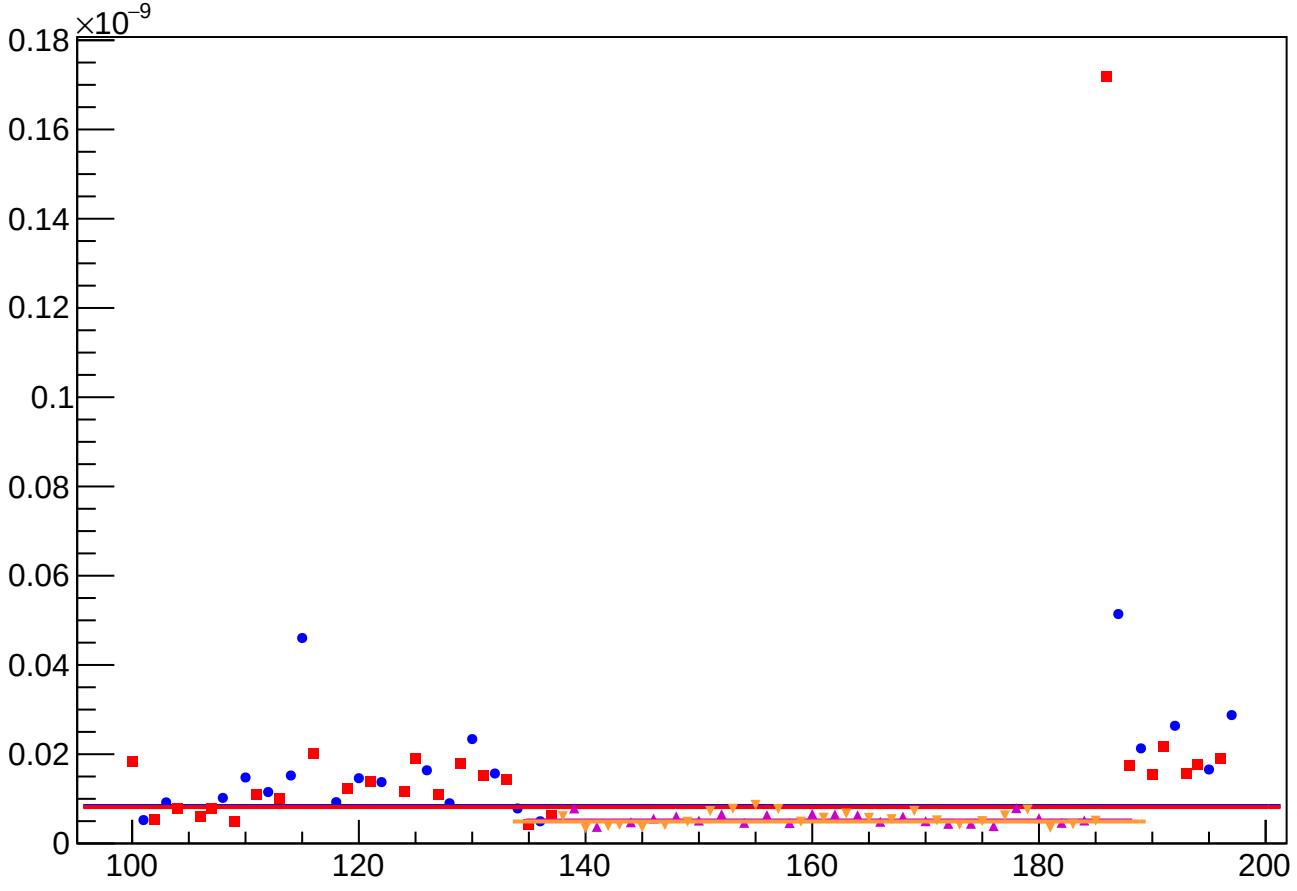
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/25

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/45

All: 0.000+/-0.000 χ^2/NDF: 80.9/94

- sign 0.000+/-0.000 χ^2/NDF: 43.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 3882943.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3523230.8/25

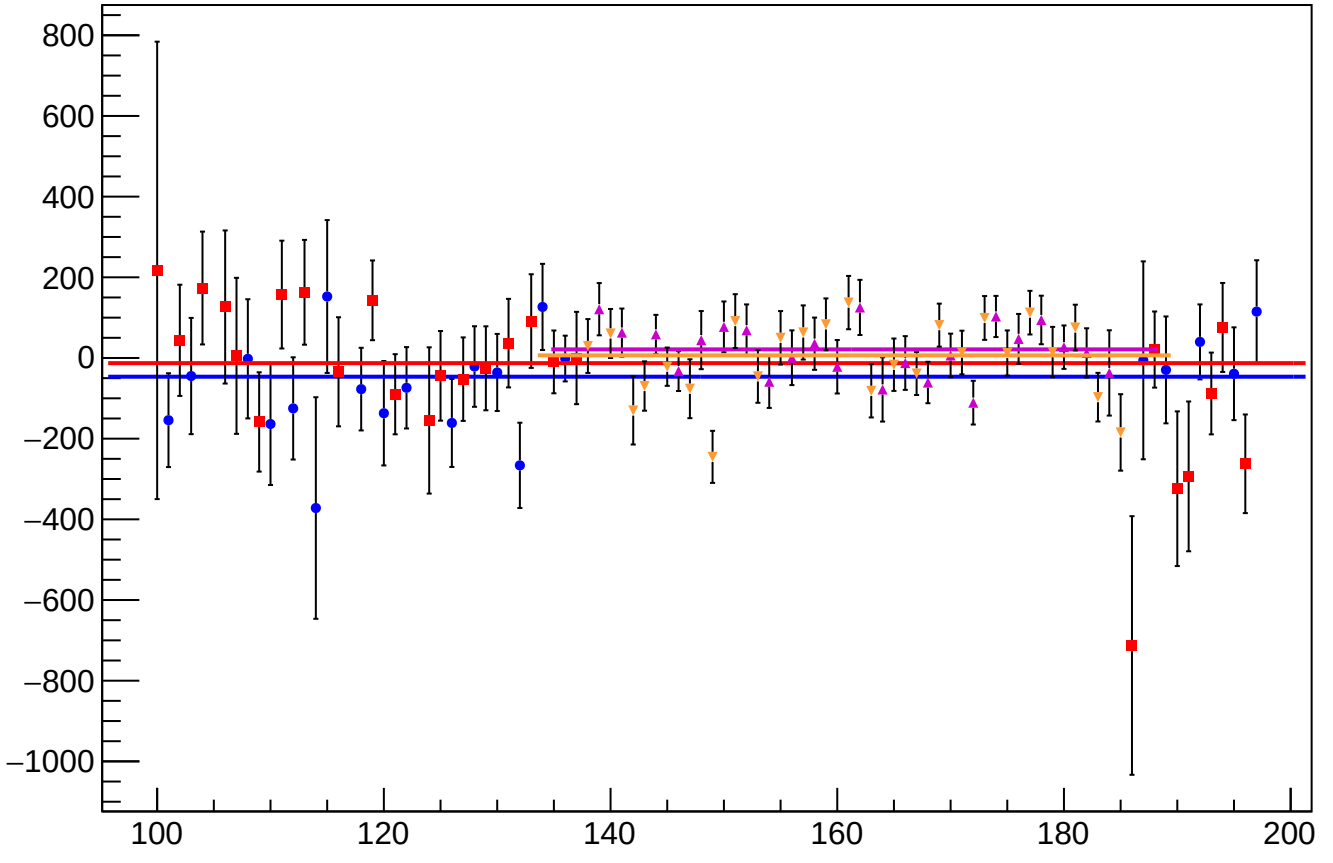
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7277234.8/45

All: 0.000+/-0.000 χ^2/NDF: 13075155.1/94

- sign 0.000+/-0.000 χ^2/NDF: 5761797.9/48

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -46.418+/-24.421 χ^2/NDF: 16.4/20

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -12.773+/-24.103 χ^2/NDF: 27.7/25

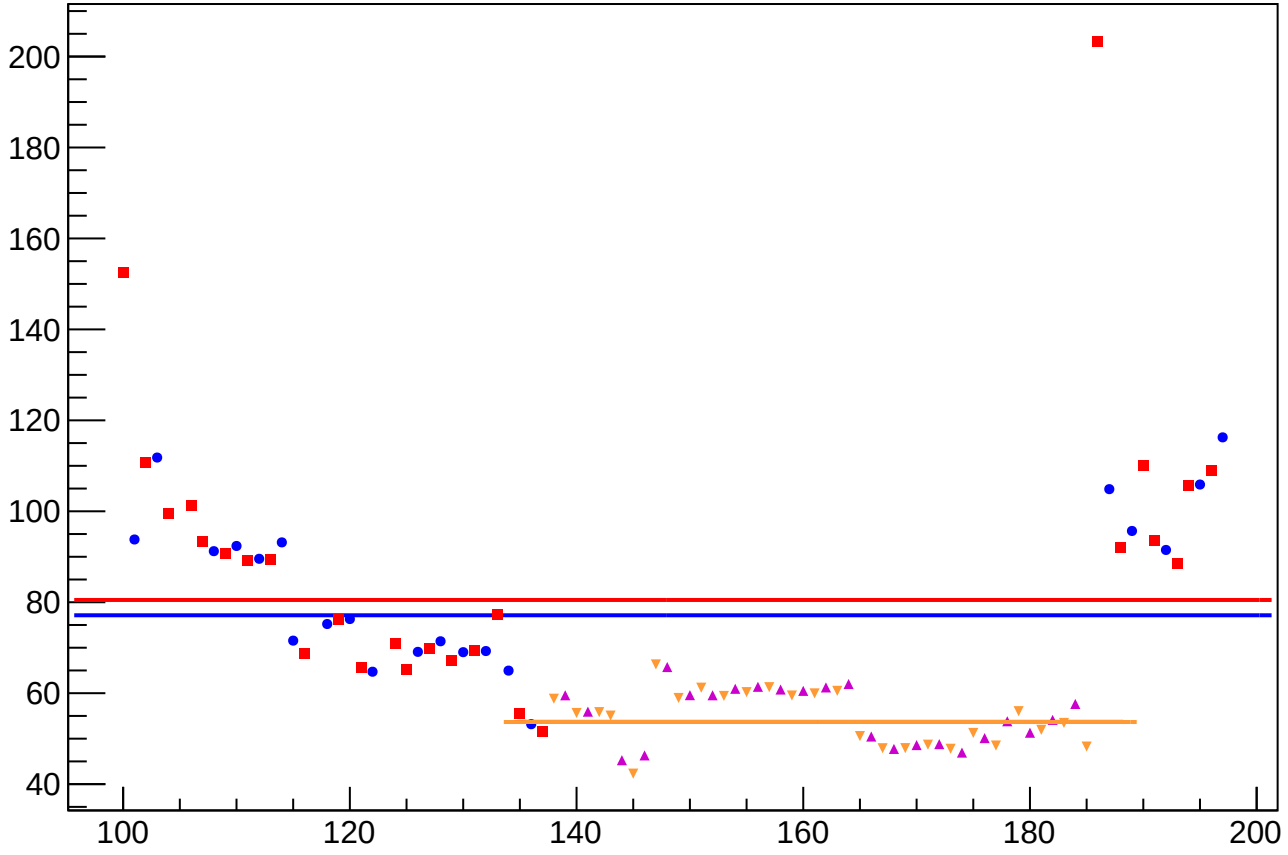
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -4.172+/-10.976 χ^2/NDF: 70.7/45

All: 4.715+/-7.839 χ^2/NDF: 126.7/94

- sign 13.970+/-11.201 χ^2/NDF: 54.6/48

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 77.133+/-0.017 χ^2/NDF: 1106438.8/20

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 80.500+/-0.017 χ^2/NDF: 1355109.0/25

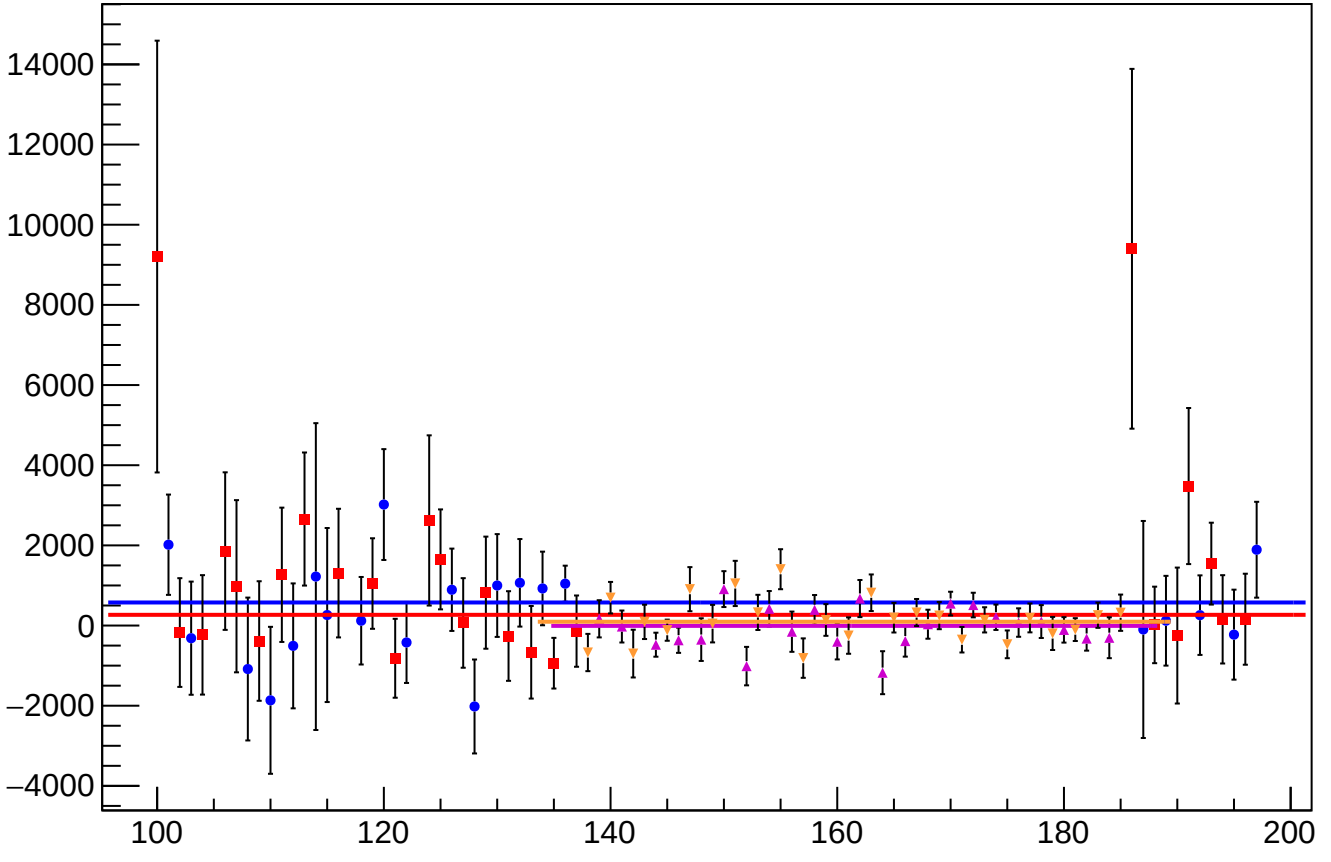
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 58.406+/-0.008 χ^2/NDF: 3052479.7/45

All: 58.934+/-0.006 χ^2/NDF: 6827871.0/94

- sign 59.483+/-0.008 χ^2/NDF: 3765963.7/48

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 575.486+/-239.109 χ^2/NDF: 17.8/20

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 267.474+/-244.790 χ^2/NDF: 24.5/25

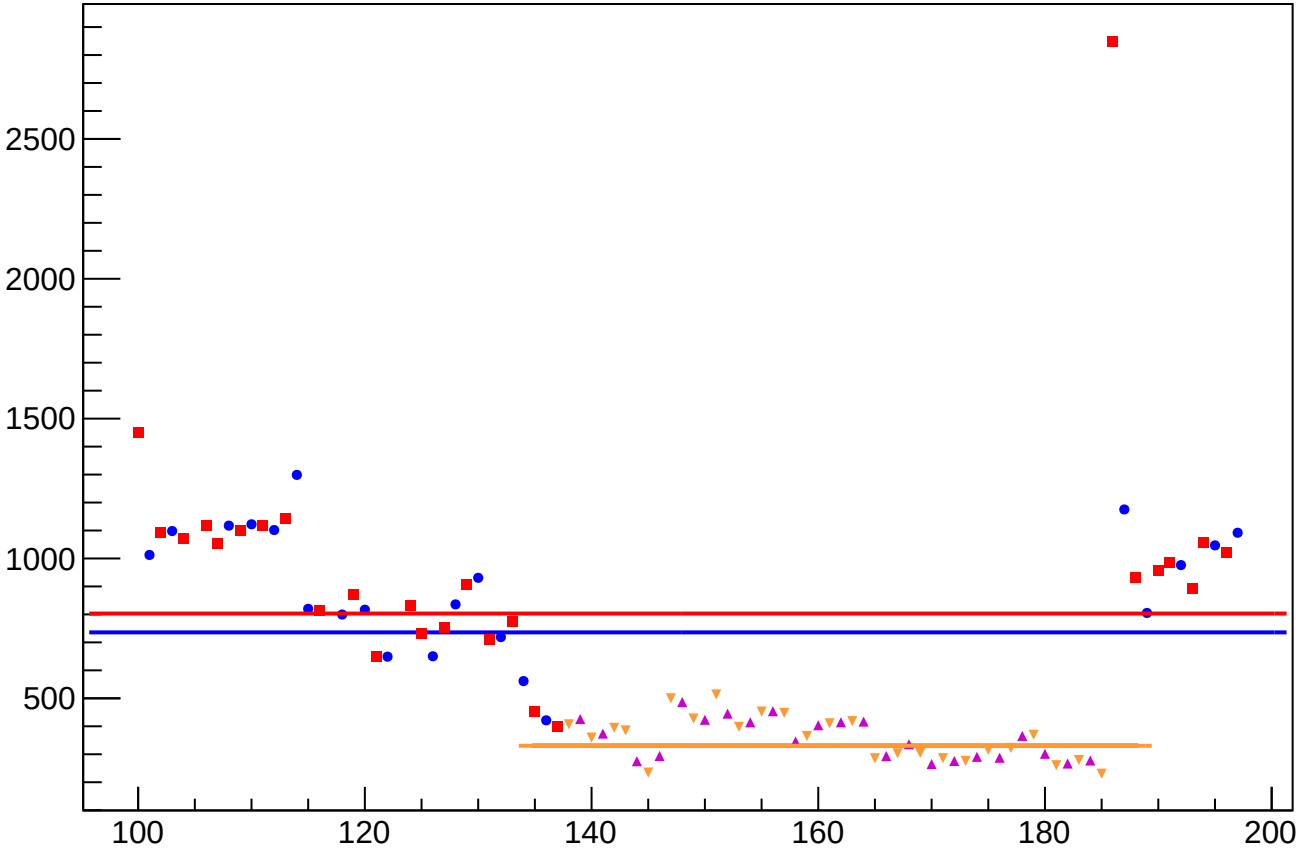
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 140.702+/-73.409 χ^2/NDF: 54.6/45

All: 80.985+/-52.560 χ^2/NDF: 113.9/94

- sign 18.169+/-75.290 χ^2/NDF: 57.9/48

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 735.756+/-0.169 χ^2/NDF: 2231131.2/20

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 803.103+/-0.173 χ^2/NDF: 2304266.2/25

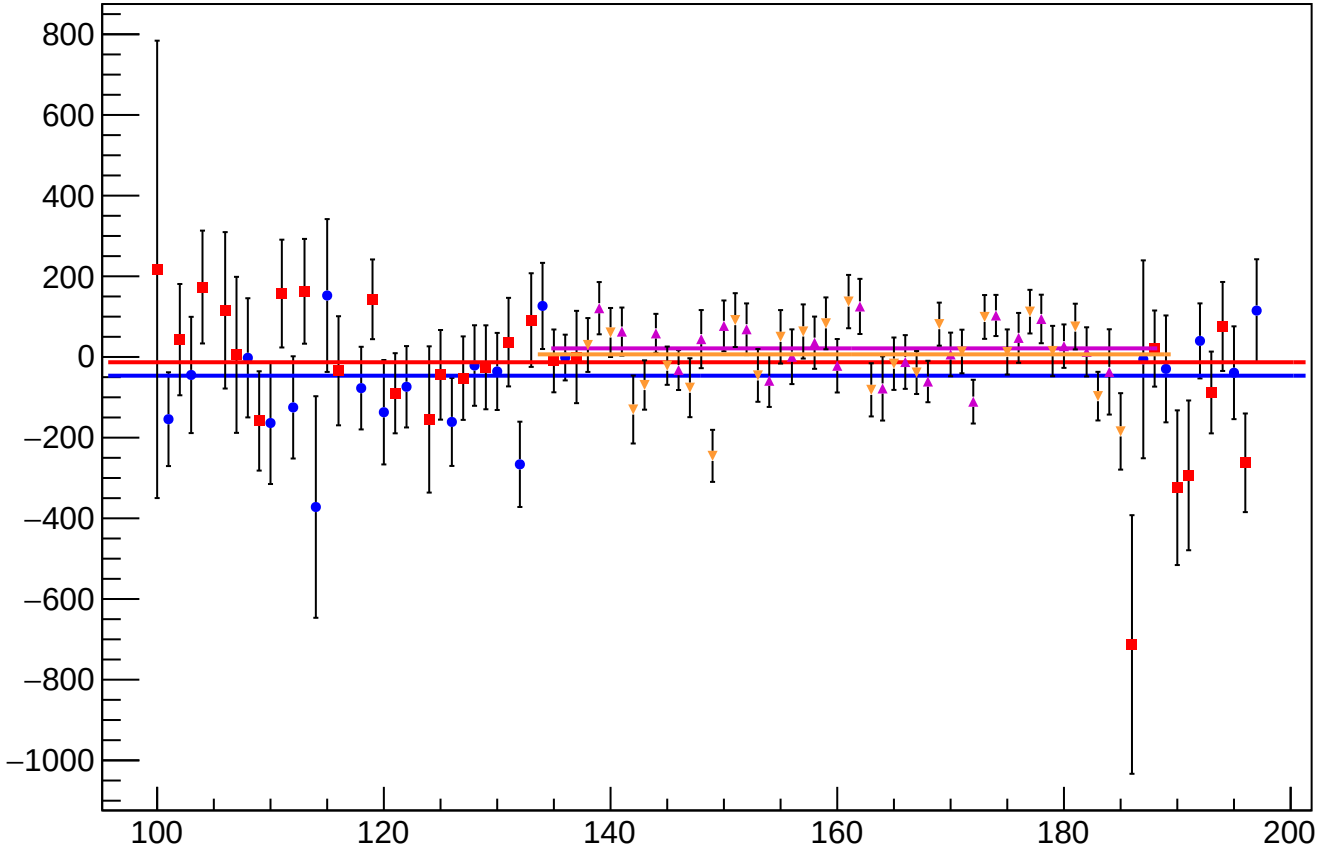
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 368.612+/-0.052 χ^2/NDF: 9189631.0/45

All: 372.073+/-0.037 χ^2/NDF: 19562246.3/94

- sign 375.713+/-0.053 χ^2/NDF: 10363494.0/48

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -46.410+/-24.421 χ^2/NDF: 16.4/20

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -13.064+/-24.112 χ^2/NDF: 27.6/25

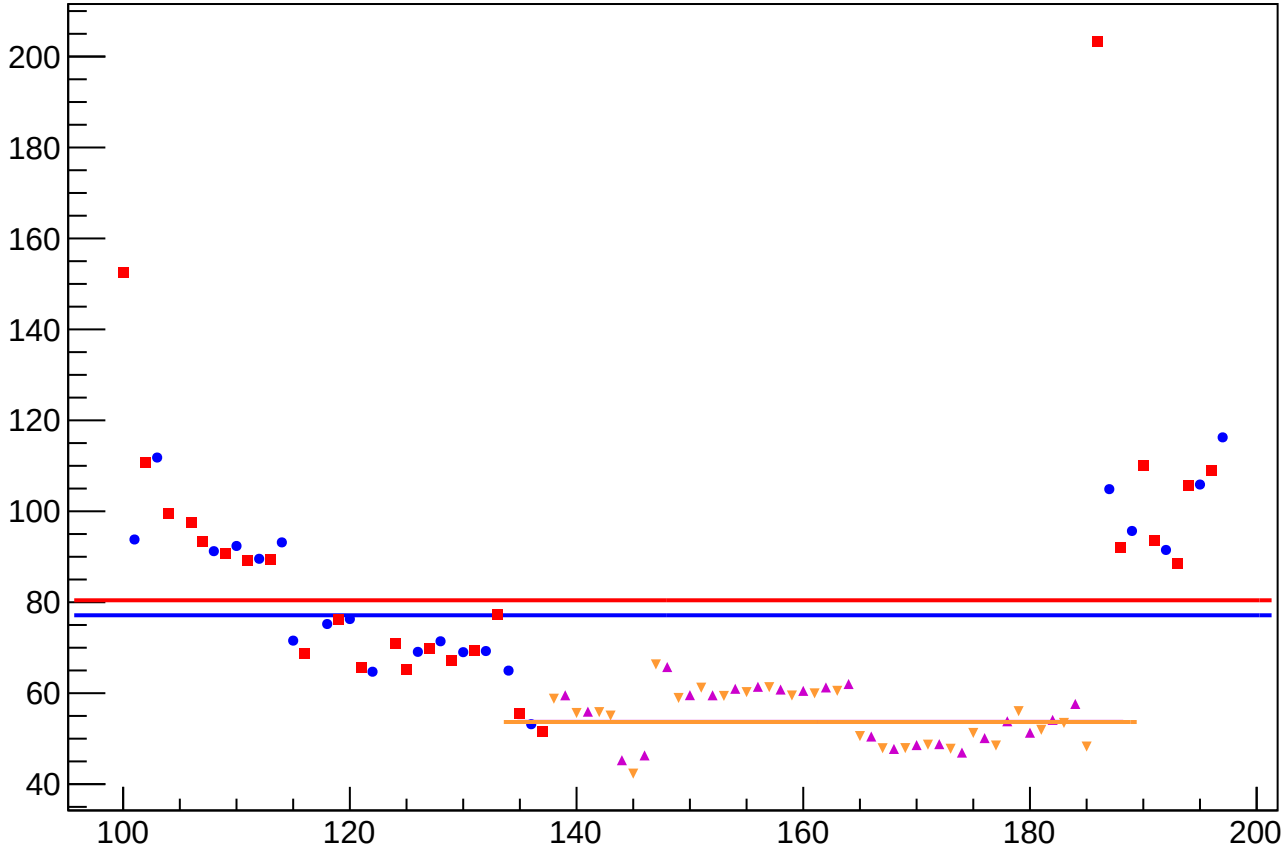
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.168+/-10.976 χ^2/NDF: 70.7/45

All: 4.688+/-7.840 χ^2/NDF: 126.6/94

- sign 13.911+/-11.201 χ^2/NDF: 54.5/48

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 77.133+/-0.017 χ^2/NDF: 1106441.1/20

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 80.430+/-0.017 χ^2/NDF: 1346945.3/25

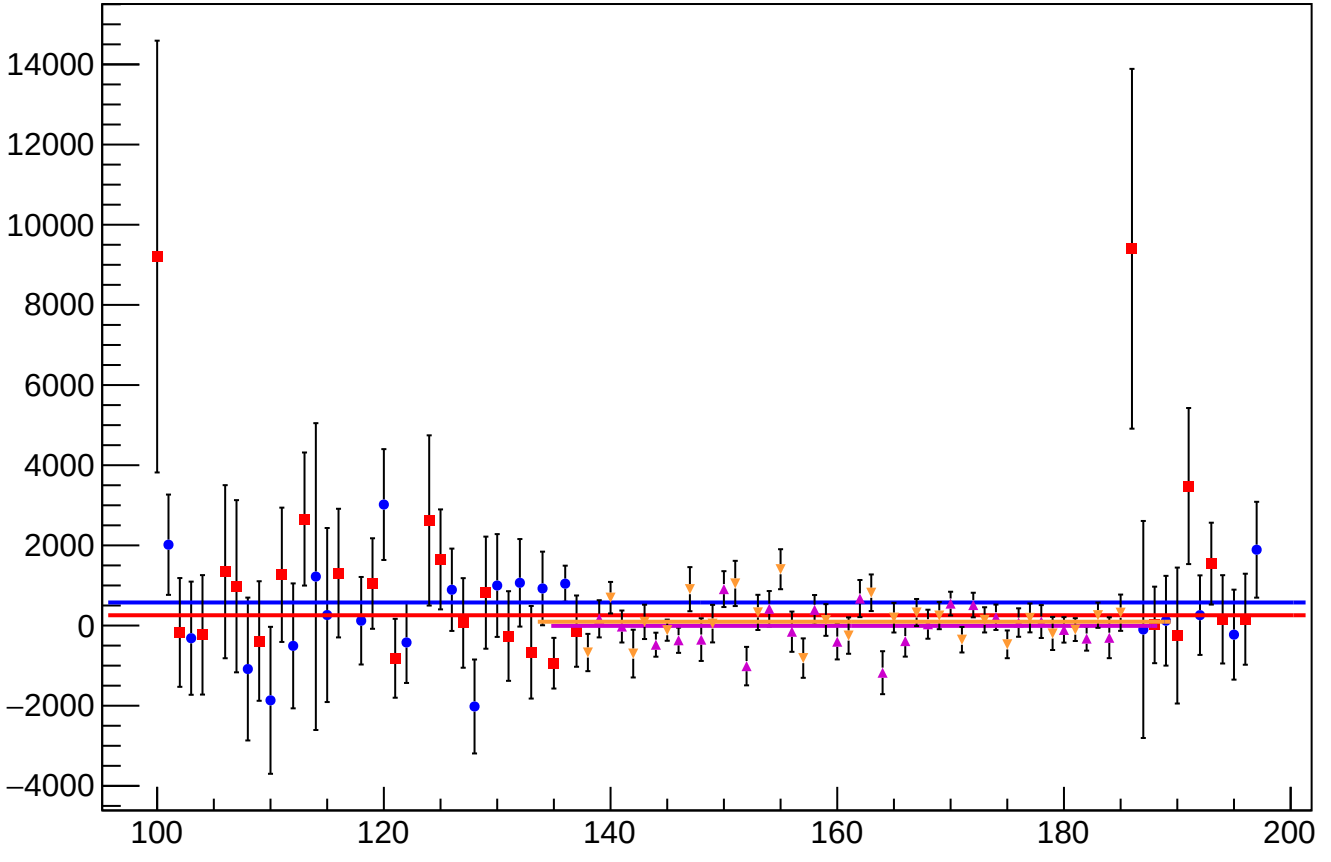
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 58.406+/-0.008 χ^2/NDF: 3052482.3/45

All: 58.925+/-0.006 χ^2/NDF: 6808120.7/94

- sign 59.465+/-0.008 χ^2/NDF: 3746532.1/48

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 575.480+/-239.109 χ^2/NDF: 17.8/20

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 256.722+/-245.121 χ^2/NDF: 24.0/25

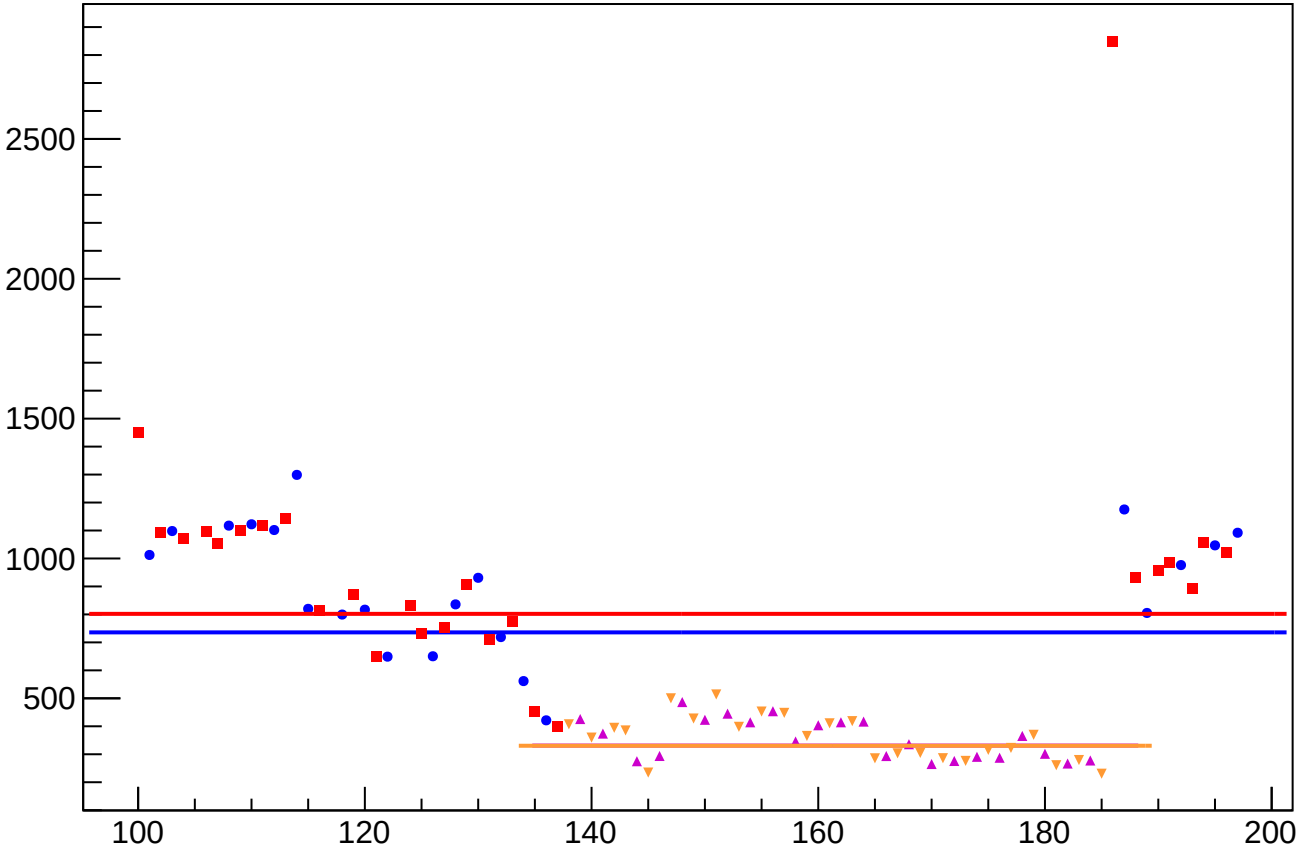
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 140.703+/-73.409 χ^2/NDF: 54.6/45

All: 80.470+/-52.564 χ^2/NDF: 113.4/94

- sign 17.094+/-75.299 χ^2/NDF: 57.4/48

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 735.757+/-0.169 χ^2/NDF: 2231154.4/20

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 801.981+/-0.173 χ^2/NDF: 2289803.7/25

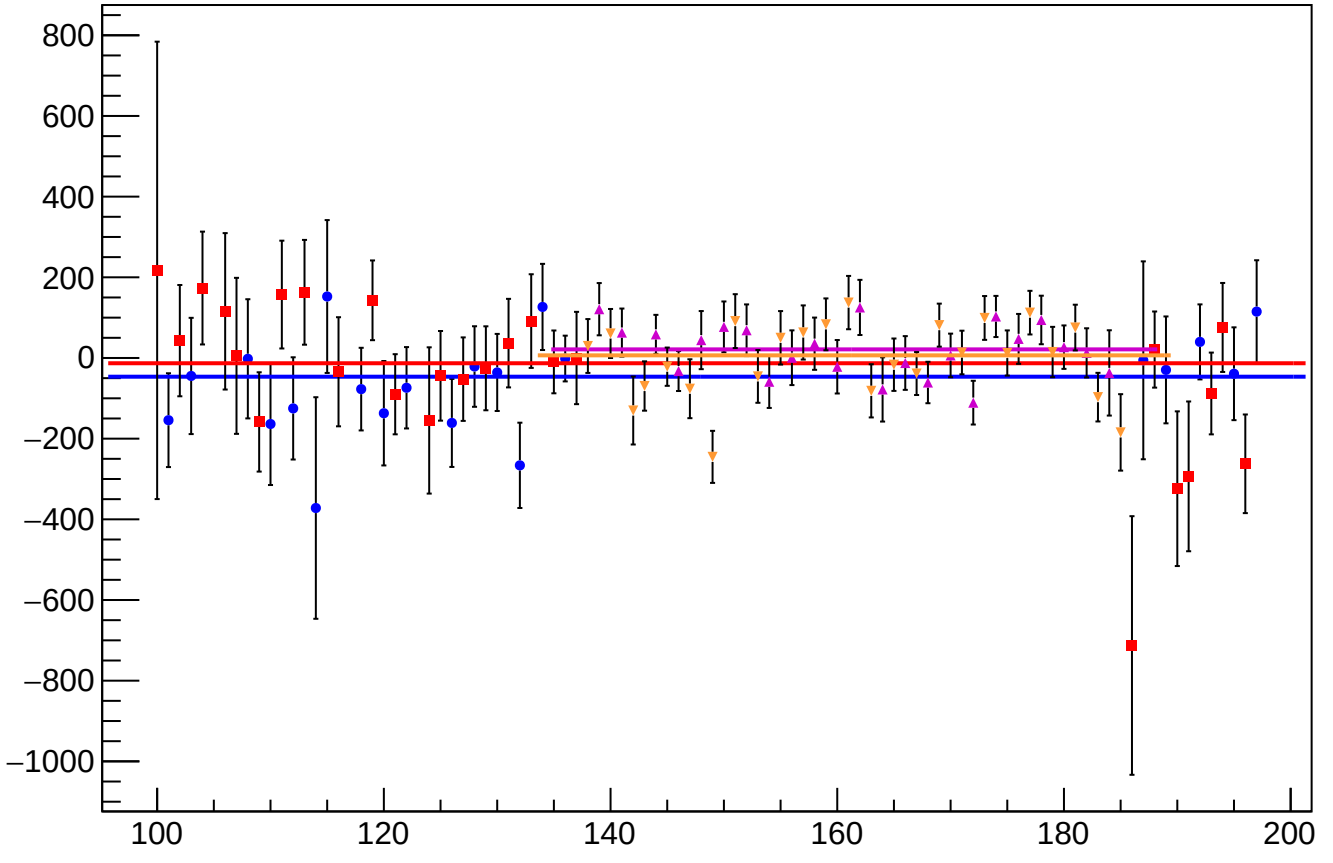
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 368.612+/-0.052 χ^2/NDF: 9189650.0/45

All: 371.968+/-0.037 χ^2/NDF: 19498895.1/94

- sign 375.498+/-0.053 χ^2/NDF: 10300669.3/48

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -46.410+/-24.421 χ^2/NDF: 16.4/20

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -13.064+/-24.112 χ^2/NDF: 27.6/25

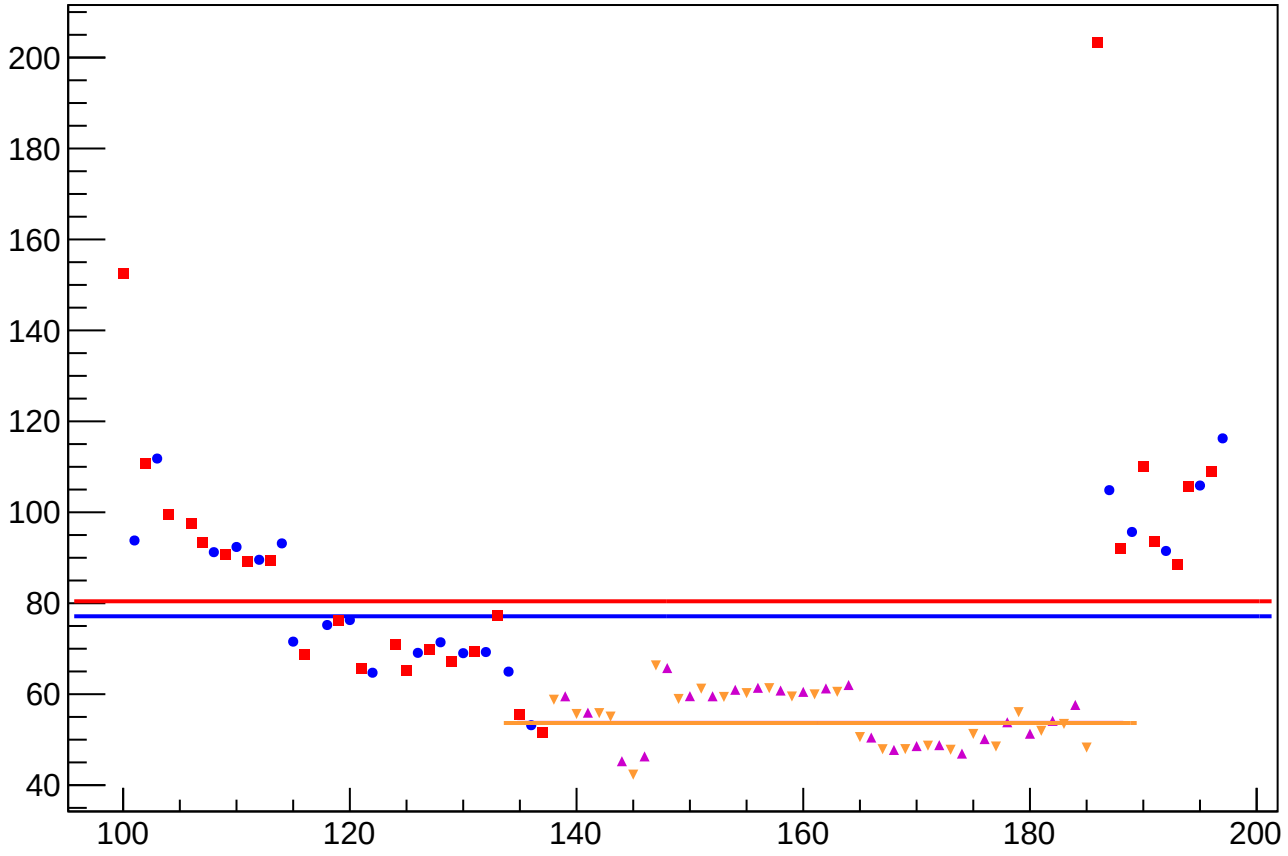
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.168+/-10.976 χ^2/NDF: 70.7/45

All: 4.688+/-7.840 χ^2/NDF: 126.6/94

- sign 13.911+/-11.201 χ^2/NDF: 54.5/48

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 77.133+/-0.017 χ^2/NDF: 1106441.1/20

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

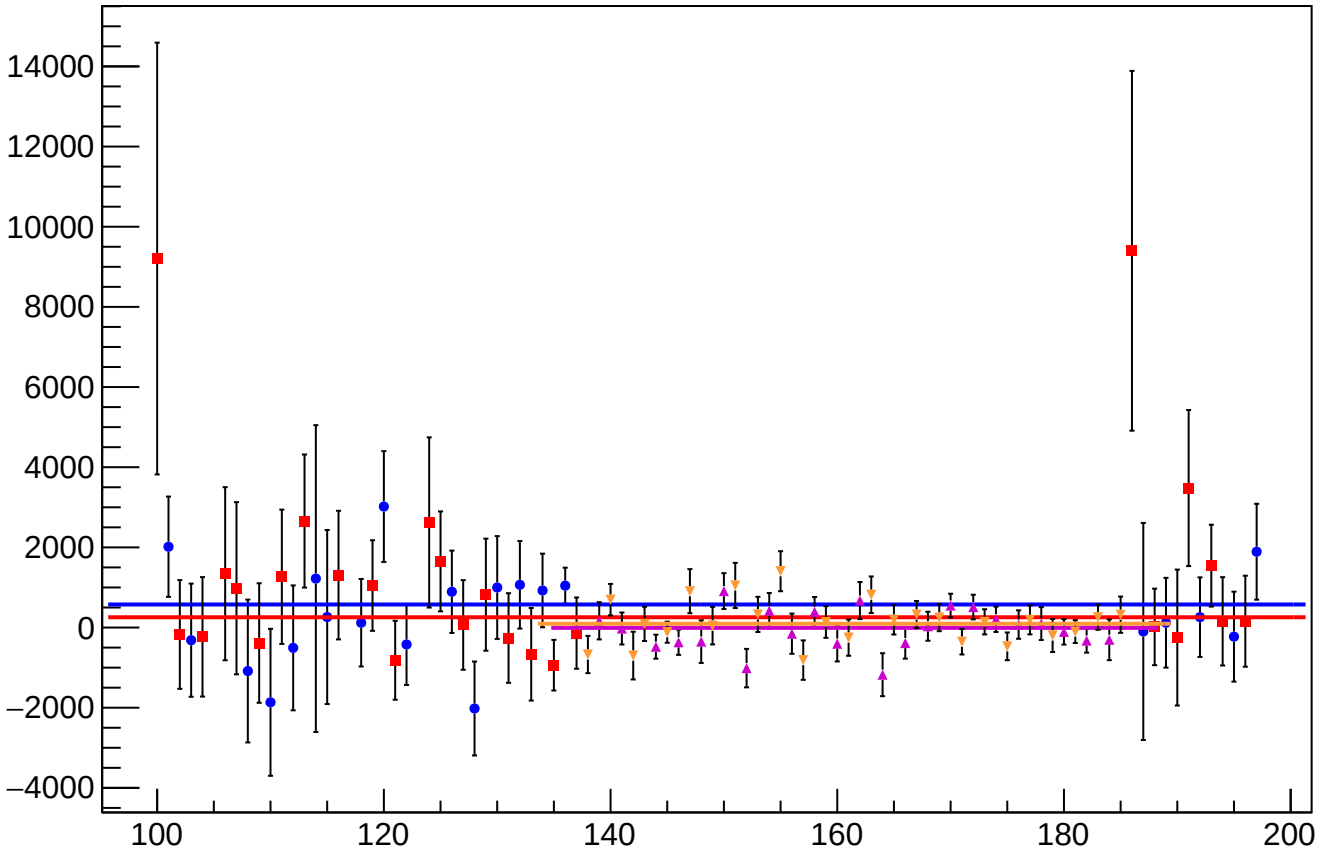
Right Out: 80.430+/-0.017 χ^2/NDF: 1346945.3/25

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 58.406+/-0.008 χ^2/NDF: 3052482.3/45

All: 58.925+/-0.006 χ^2/NDF: 6808120.7/94

- sign 59.465+/-0.008 χ^2/NDF: 3746532.1/48



Right In: 575.480+/-239.109 χ^2/NDF: 17.8/20

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

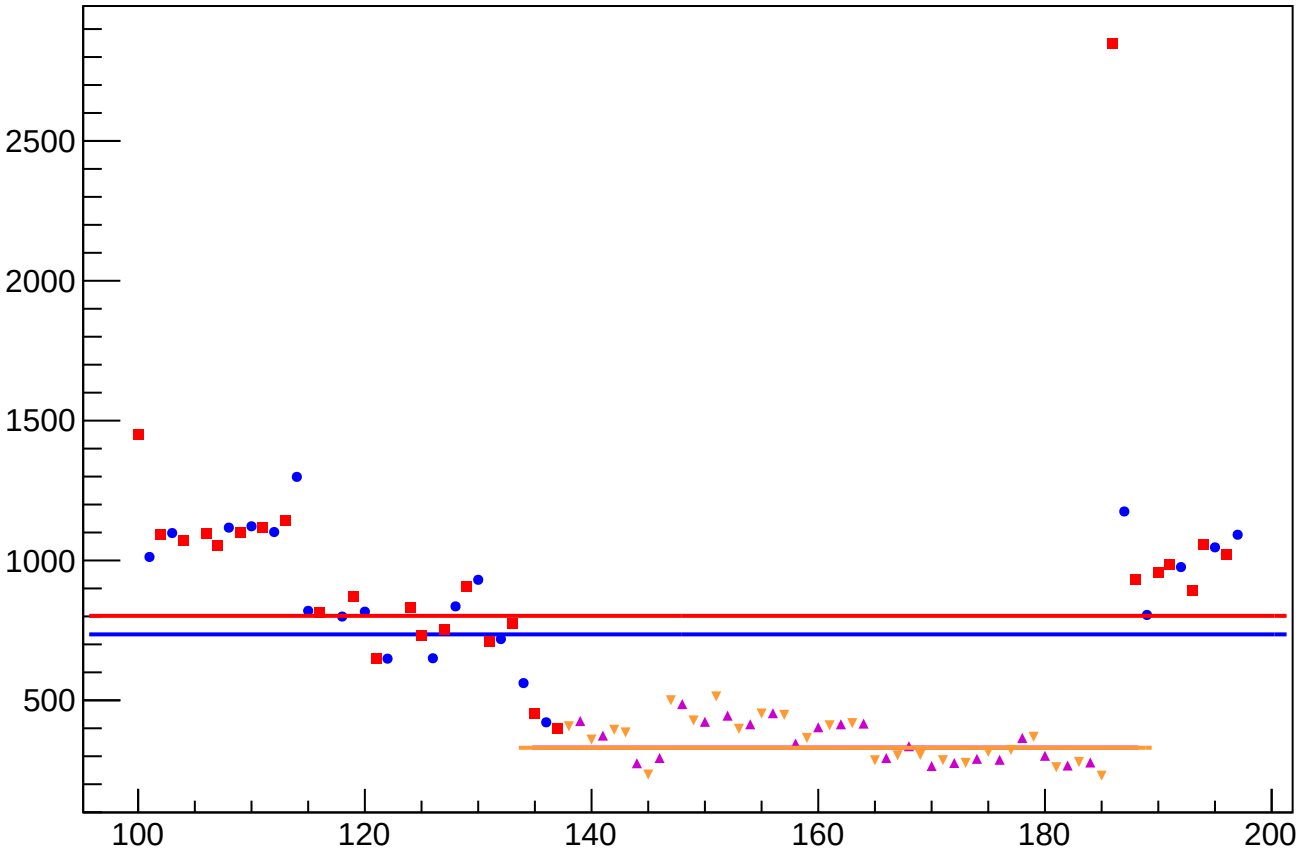
Right Out: 256.722+/-245.121 χ^2/NDF: 24.0/25

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 140.703+/-73.409 χ^2/NDF: 54.6/45

All: 80.470+/-52.564 χ^2/NDF: 113.4/94

- sign 17.094+/-75.299 χ^2/NDF: 57.4/48



Right In: 735.757+/-0.169 χ^2/NDF: 2231154.4/20

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 801.981+/-0.173 χ^2/NDF: 2289803.7/25

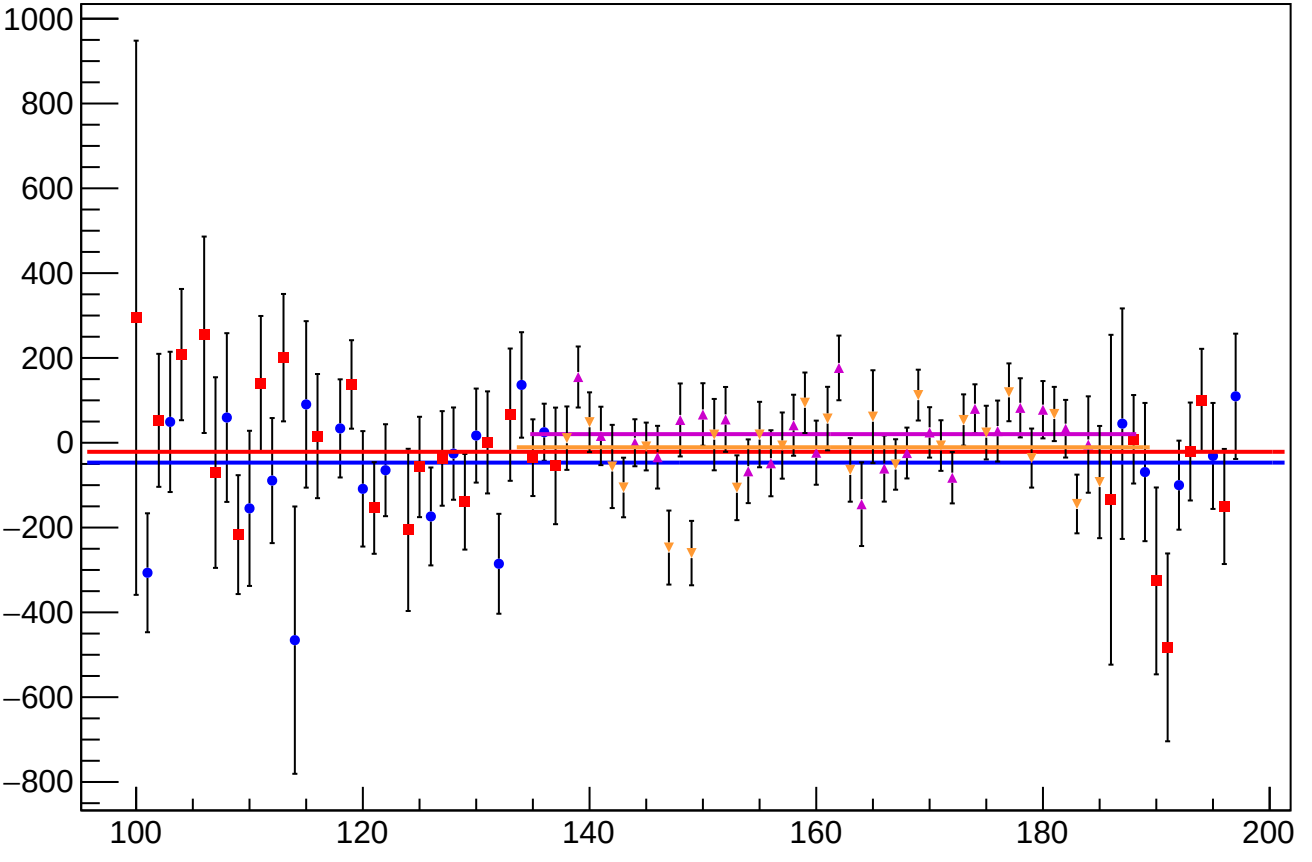
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 368.612+/-0.052 χ^2/NDF: 9189650.0/45

All: 371.968+/-0.037 χ^2/NDF: 19498895.1/94

- sign 375.498+/-0.053 χ^2/NDF: 10300669.3/48

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -46.845+/-27.862 χ^2/NDF: 18.0/20

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -21.370+/-27.094 χ^2/NDF: 24.0/25

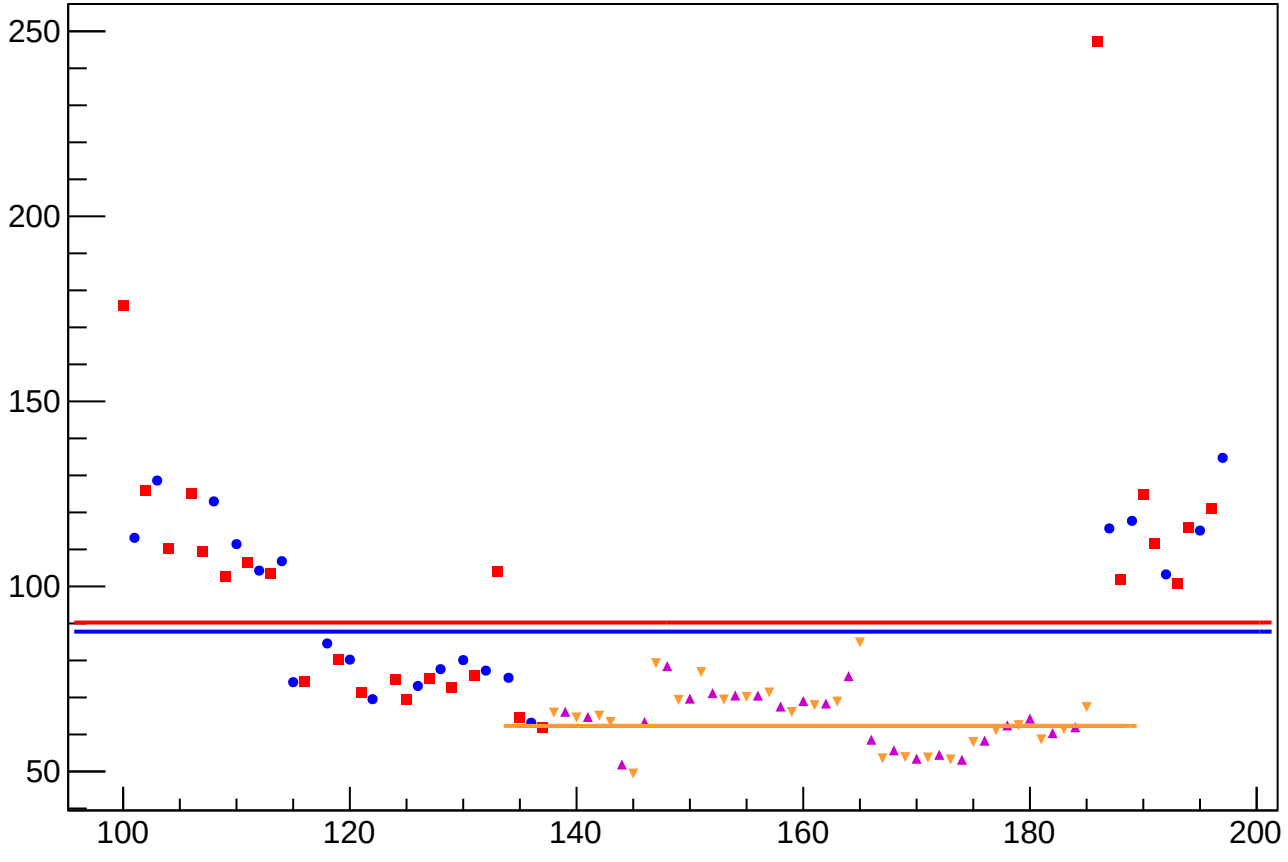
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.177+/-12.730 χ^2/NDF: 61.5/45

All: -3.953+/-9.080 χ^2/NDF: 111.6/94

- sign 10.778+/-12.955 χ^2/NDF: 47.6/48

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 87.786+/-0.020 χ^2/NDF: 1181823.0/20

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

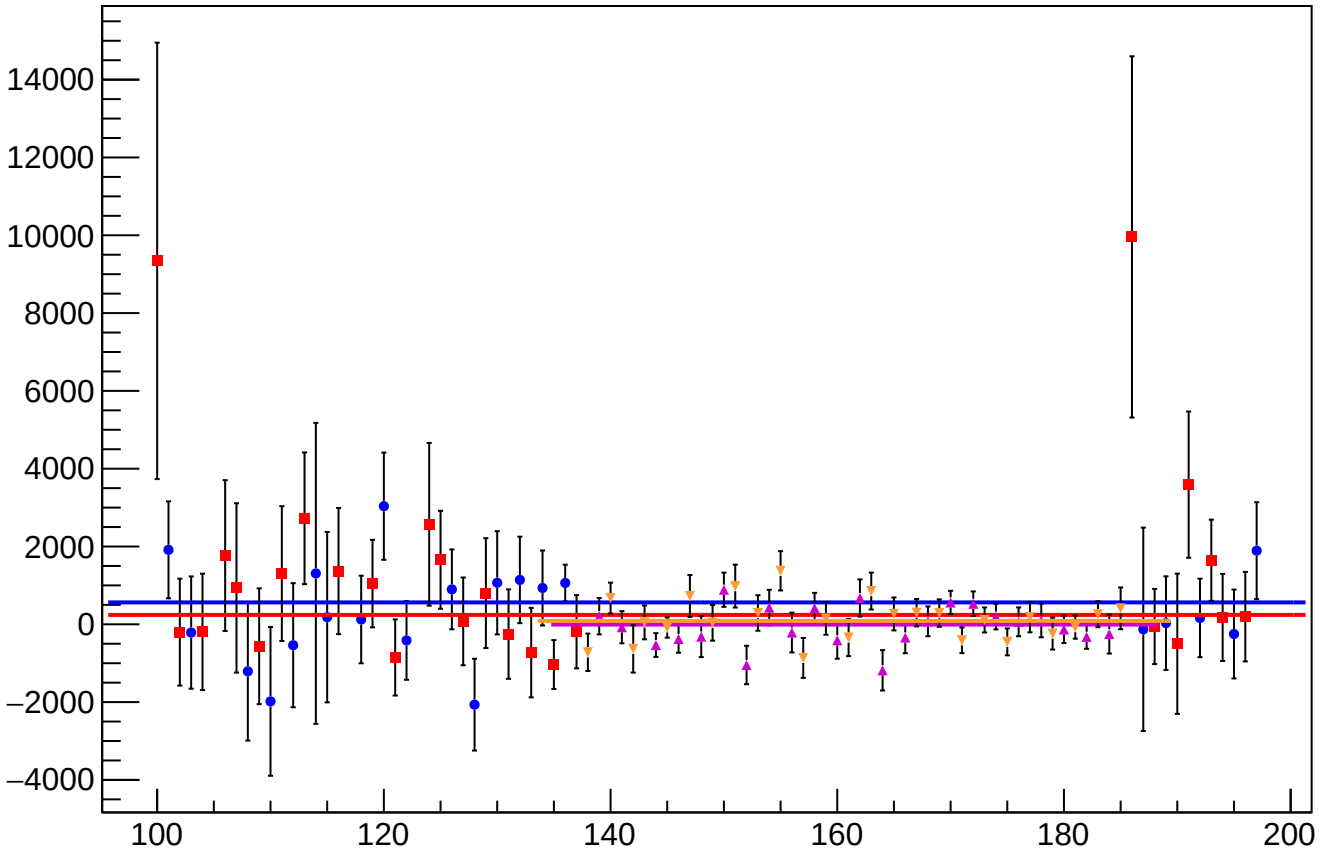
Right Out: 90.253+/-0.019 χ^2/NDF: 1466508.5/25

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 67.633+/-0.009 χ^2/NDF: 3140597.5/45

All: 68.157+/-0.006 χ^2/NDF: 6739479.2/94

- sign 68.699+/-0.009 χ^2/NDF: 3591999.3/48



Right In: 563.122+/-245.791 χ^2/NDF: 17.9/20

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 241.578+/-247.411 χ^2/NDF: 26.2/25

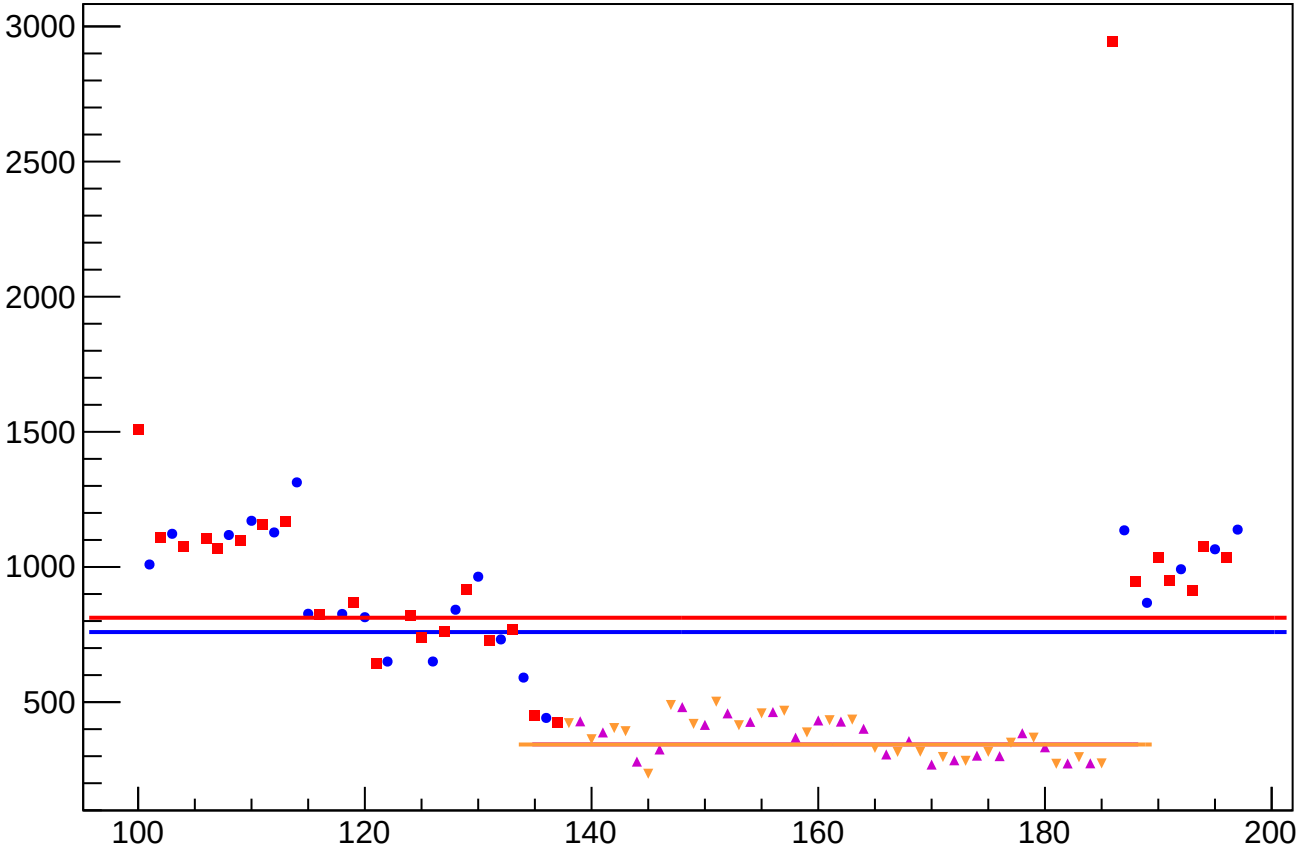
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 132.425+/-75.931 χ^2/NDF: 52.9/45

All: 76.756+/-54.385 χ^2/NDF: 113.5/94

- sign 18.116+/-77.931 χ^2/NDF: 59.5/48

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 759.223+/-0.174 χ^2/NDF: 2113490.7/20

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 812.204+/-0.175 χ^2/NDF: 2312433.1/25

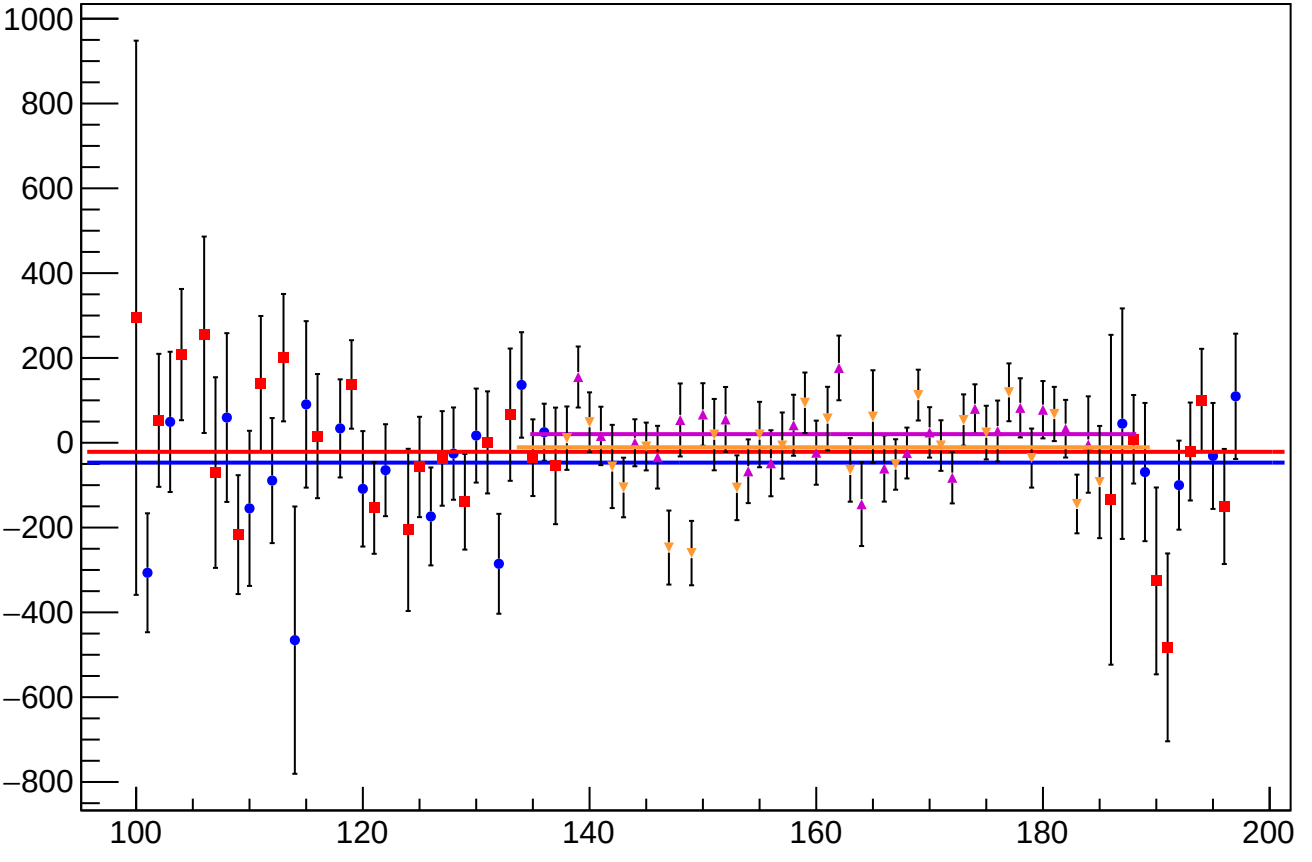
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 382.926+/-0.054 χ^2/NDF: 8891133.2/45

All: 386.468+/-0.038 χ^2/NDF: 18930517.5/94

- sign 390.198+/-0.055 χ^2/NDF: 10030449.7/48

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -46.846+/-27.861 χ^2/NDF: 18.0/20

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -21.370+/-27.094 χ^2/NDF: 24.0/25

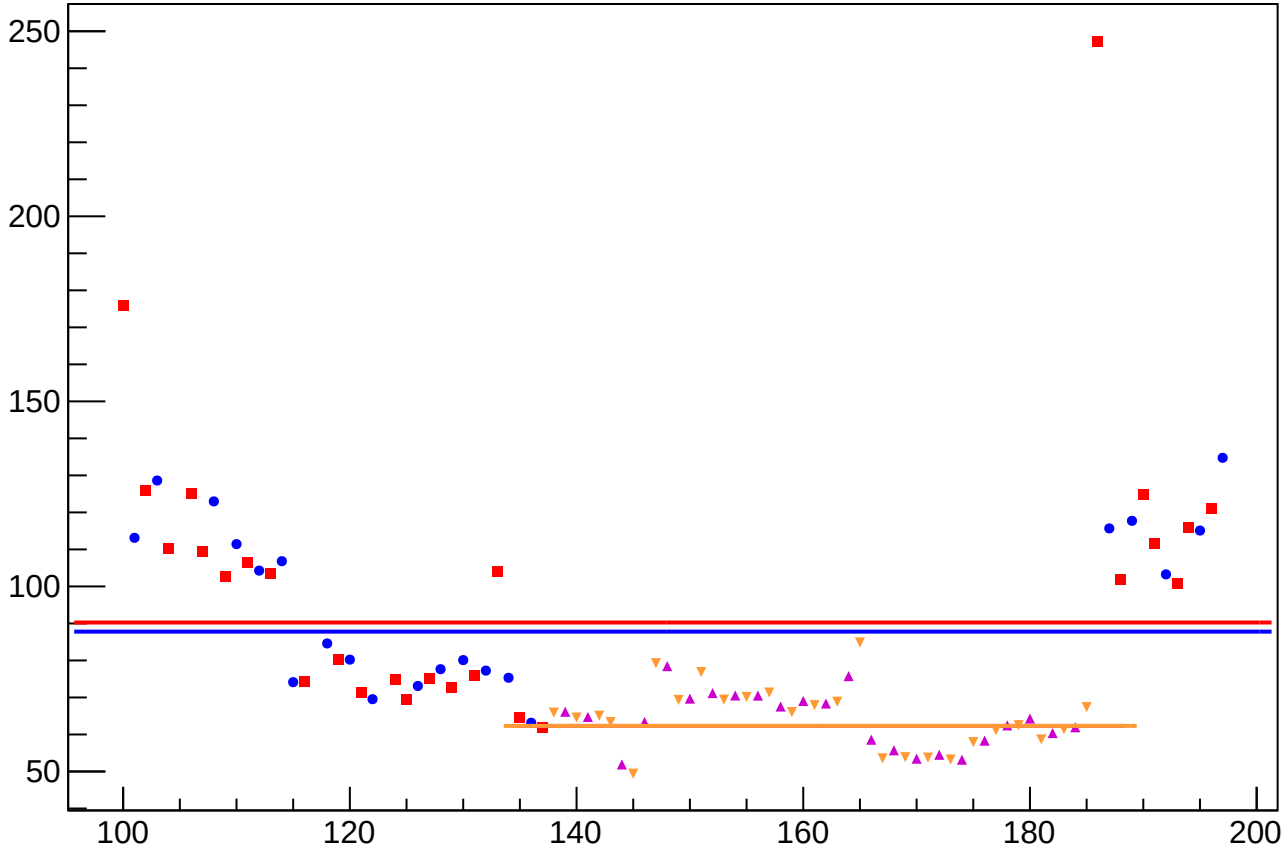
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

\+ sign -18.177+/-12.730 χ^2/NDF: 61.5/45

All: -3.953+/-9.080 χ^2/NDF: 111.6/94

\- sign 10.778+/-12.955 χ^2/NDF: 47.6/48

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 87.786+/-0.020 χ^2/NDF: 1181832.7/20

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

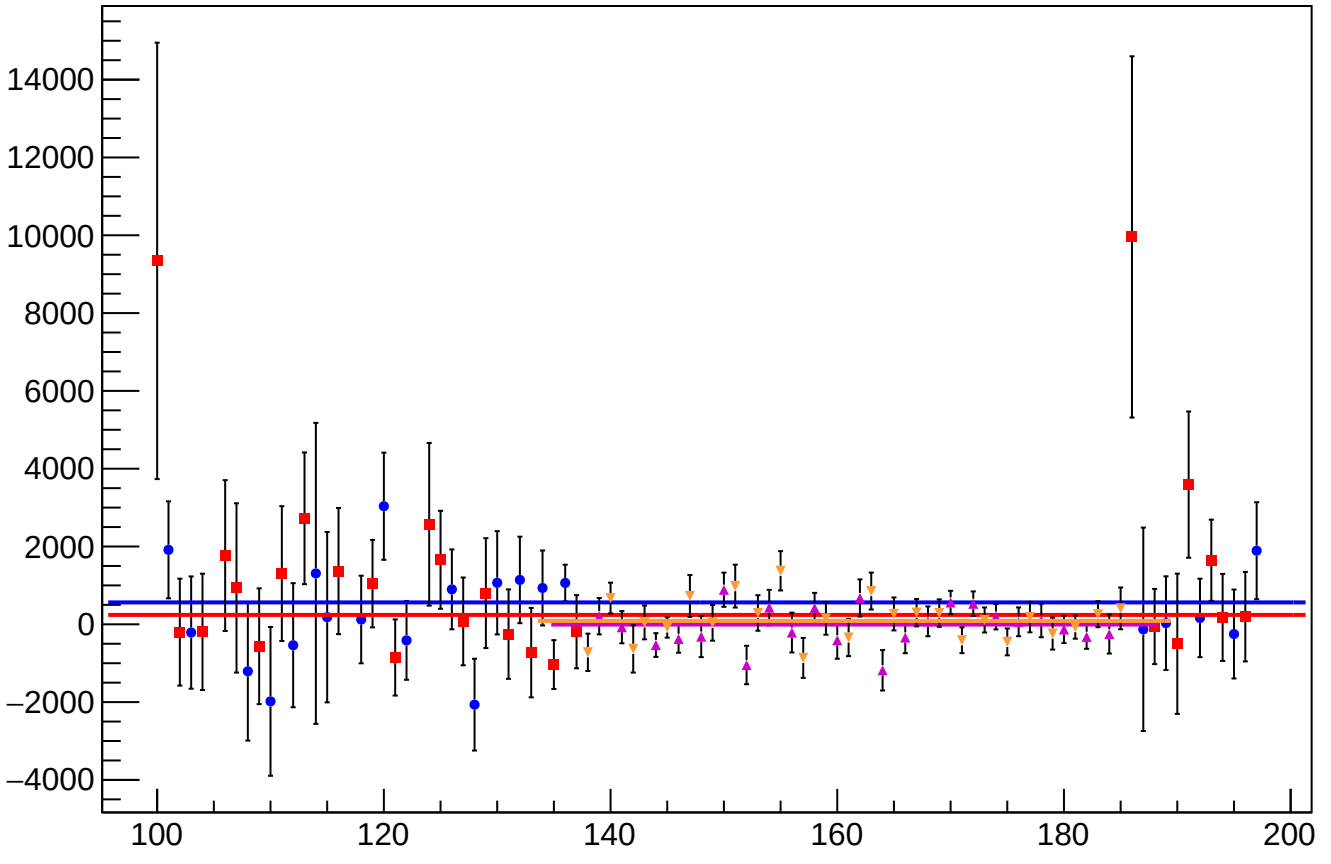
Right Out: 90.253+/-0.019 χ^2/NDF: 1466496.2/25

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 67.633+/-0.009 χ^2/NDF: 3140565.6/45

All: 68.157+/-0.006 χ^2/NDF: 6739385.8/94

- sign 68.699+/-0.009 χ^2/NDF: 3591936.0/48



Right In: 563.121+/-245.791 χ^2/NDF: 17.9/20

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

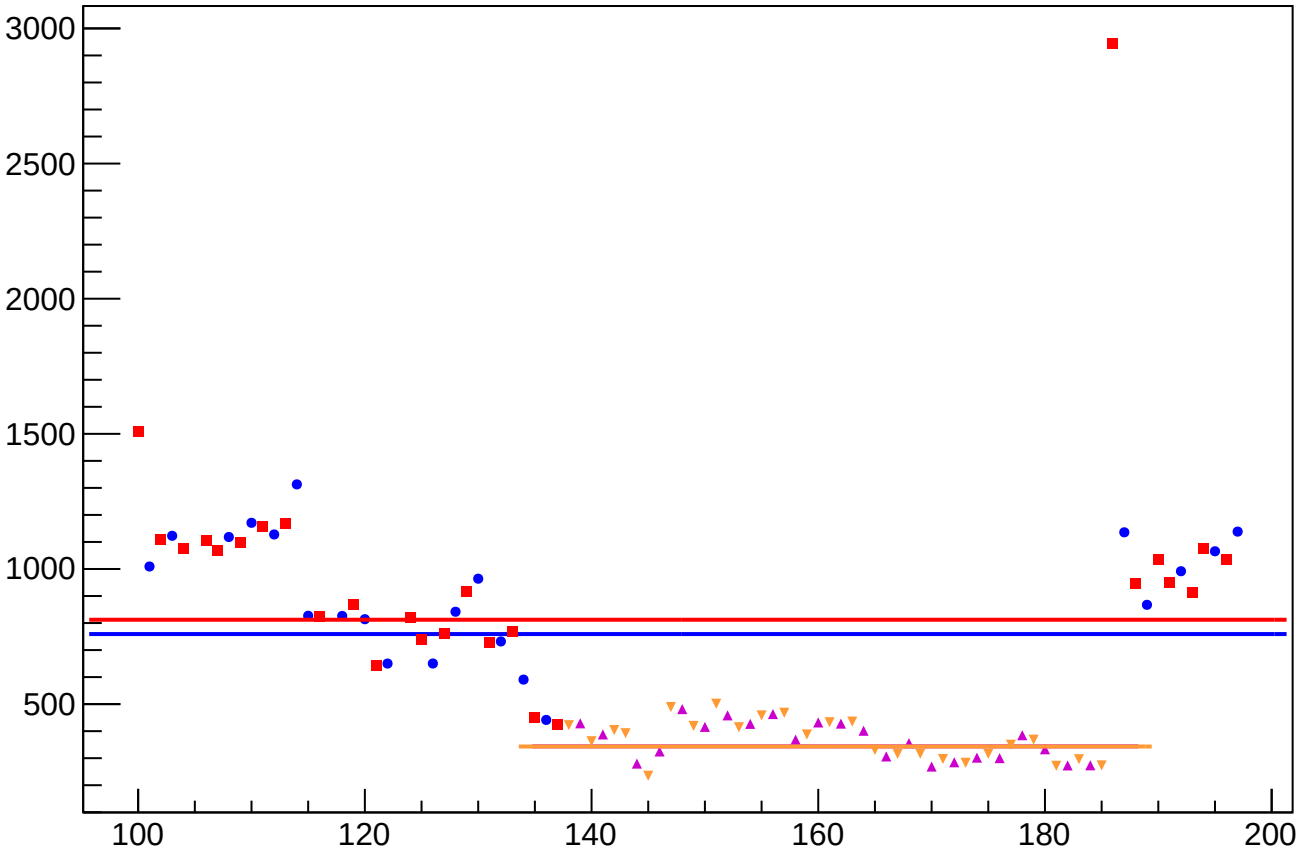
Right Out: 241.579+/-247.411 χ^2/NDF: 26.2/25

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 132.425+/-75.931 χ^2/NDF: 52.9/45

All: 76.756+/-54.385 χ^2/NDF: 113.5/94

- sign 18.116+/-77.931 χ^2/NDF: 59.5/48



Right In: 759.222+/-0.174 χ^2/NDF: 2113480.1/20

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 812.203+/-0.175 χ^2/NDF: 2312426.7/25

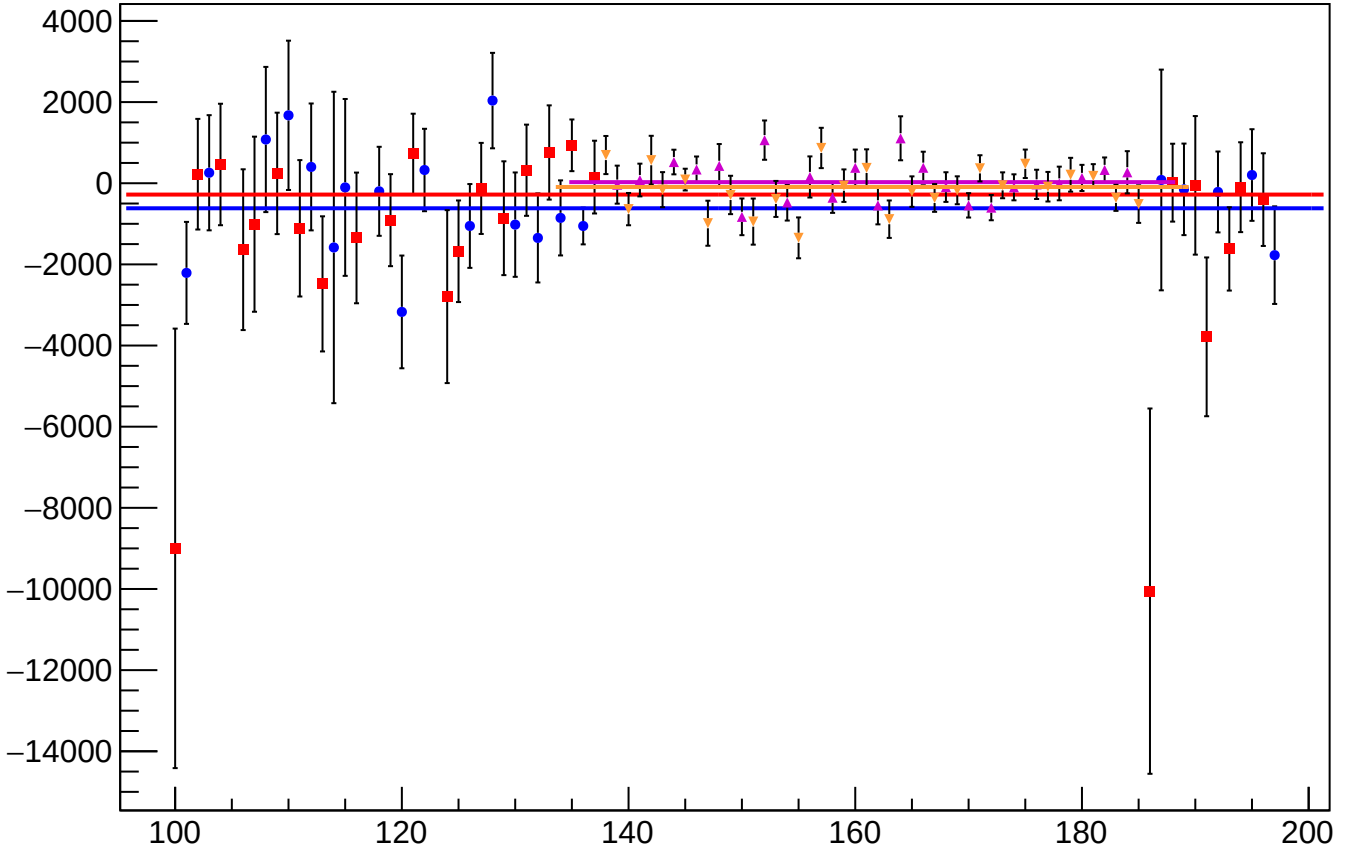
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 382.926+/-0.054 χ^2/NDF: 8891134.2/45

All: 386.468+/-0.038 χ^2/NDF: 18930512.6/94

- sign 390.198+/-0.055 χ^2/NDF: 10030443.6/48

asym_sam_15_26_dd_mean vs Slug



Right In: -617.293+/-240.566 χ^2/NDF: 18.0/20

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -279.404+/-246.141 χ^2/NDF: 25.0/25

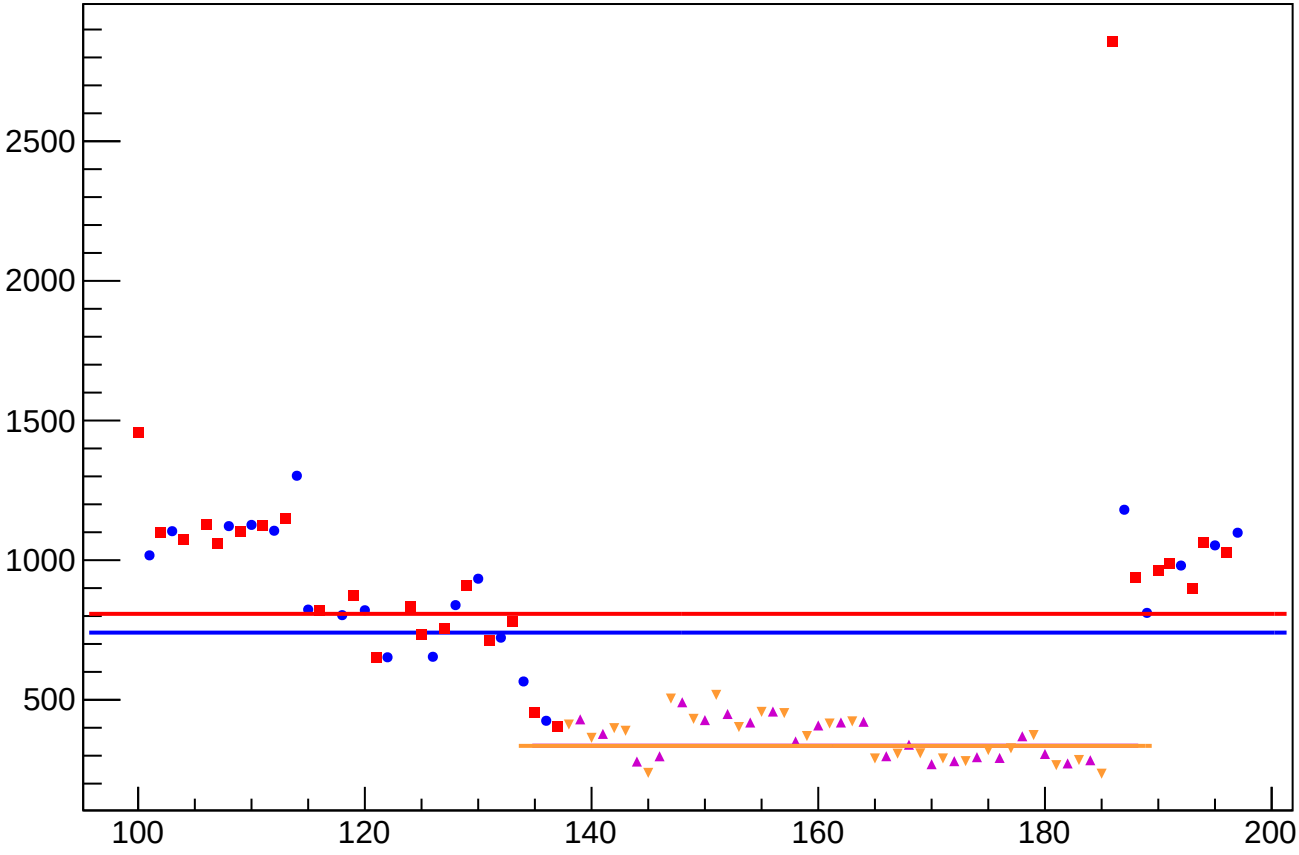
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -142.791+/-74.356 χ^2/NDF: 56.5/45

All: -74.300+/-53.238 χ^2/NDF: 115.6/94

- sign -2.255+/-76.261 χ^2/NDF: 57.3/48

asym_sam_15_26_dd_rms vs Slug



Right In: 740.651+/-0.170 χ^2/NDF: 2210986.7/20

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

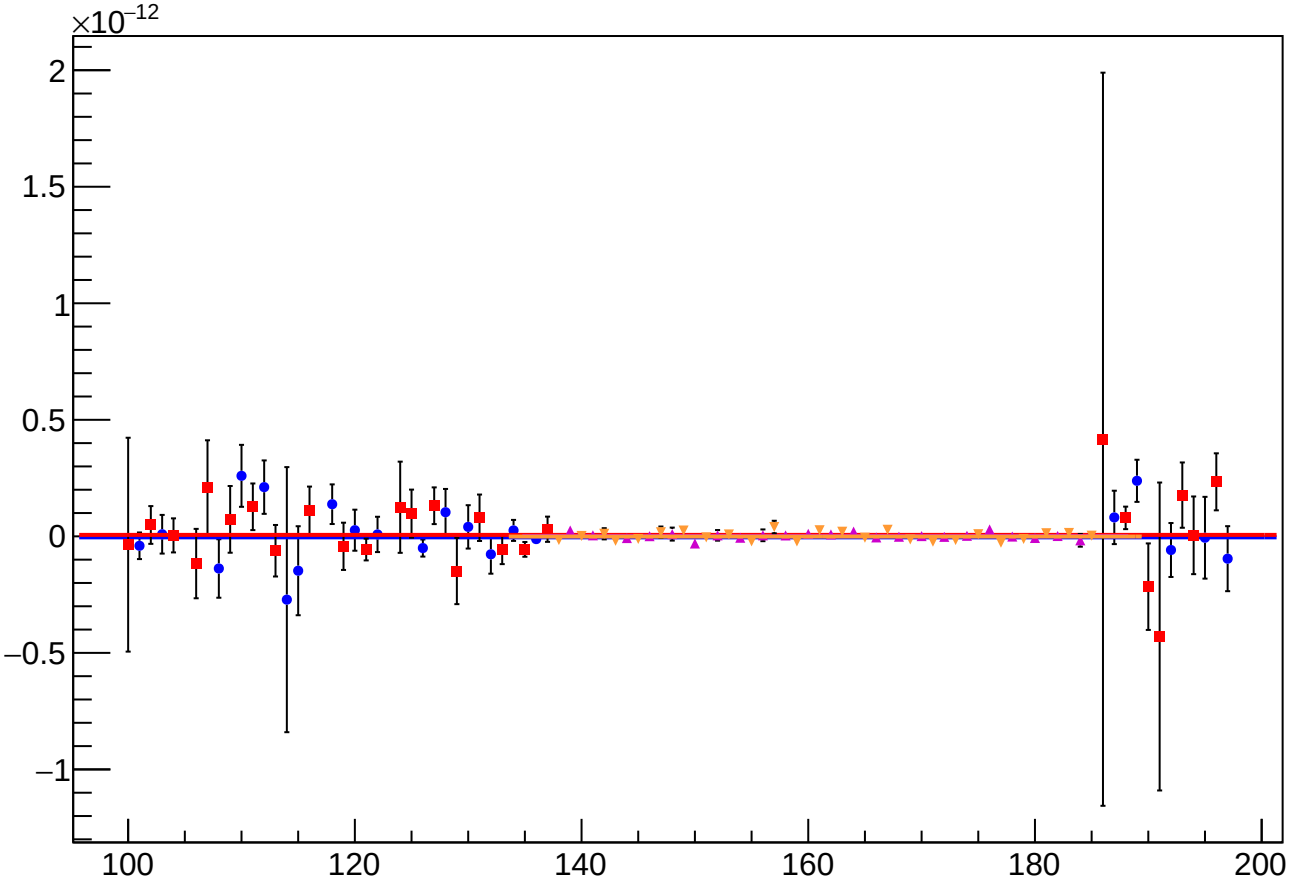
Right Out: 807.814+/-0.174 χ^2/NDF: 2290348.5/25

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 373.889+/-0.053 χ^2/NDF: 9056697.9/45

All: 377.402+/-0.038 χ^2/NDF: 19296760.4/94

- sign 381.098+/-0.054 χ^2/NDF: 10230901.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/20

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

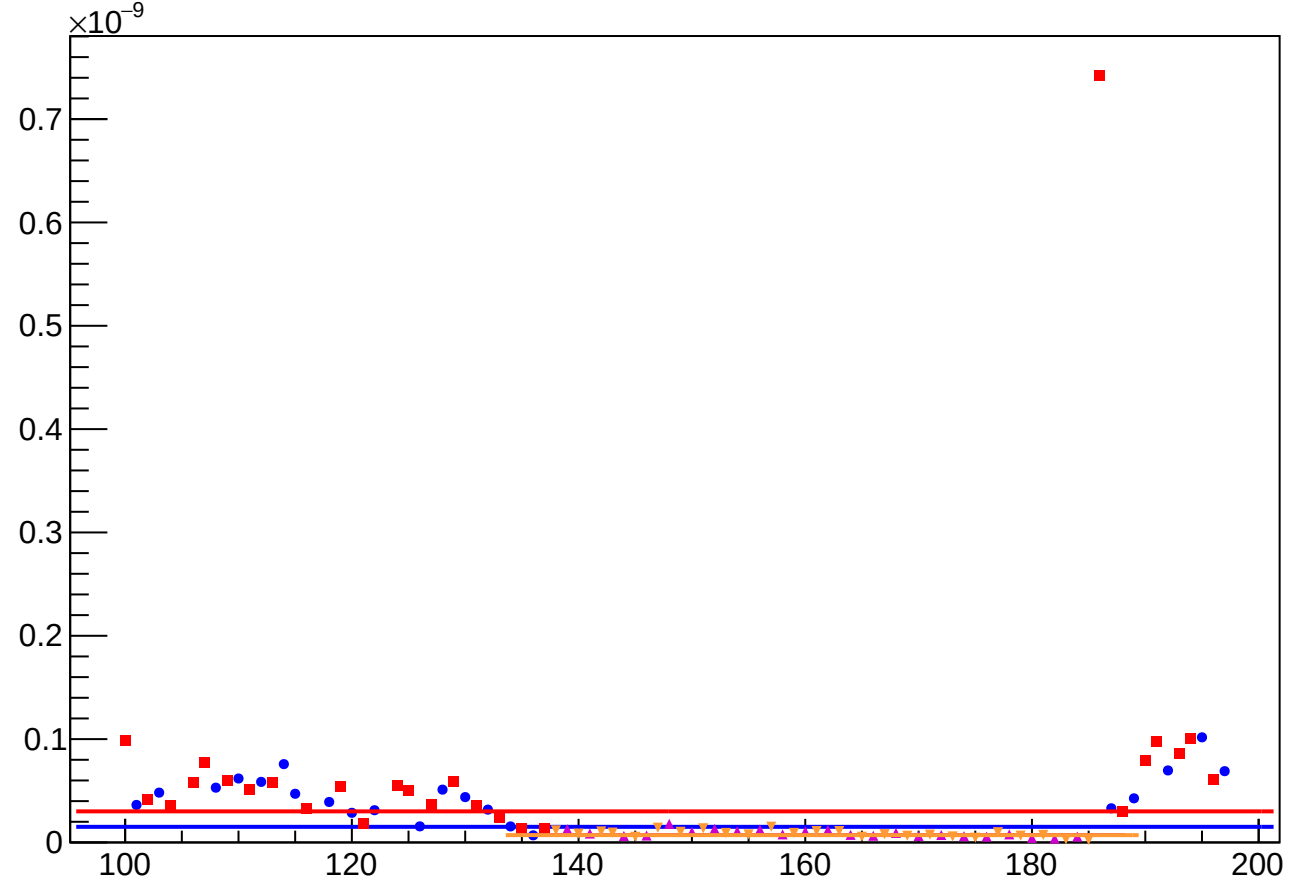
Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/25

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.1/45

All: 0.000+/-0.000 χ^2/NDF: 101.3/94

- sign 0.000+/-0.000 χ^2/NDF: 41.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 4556177.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3165036.3/25

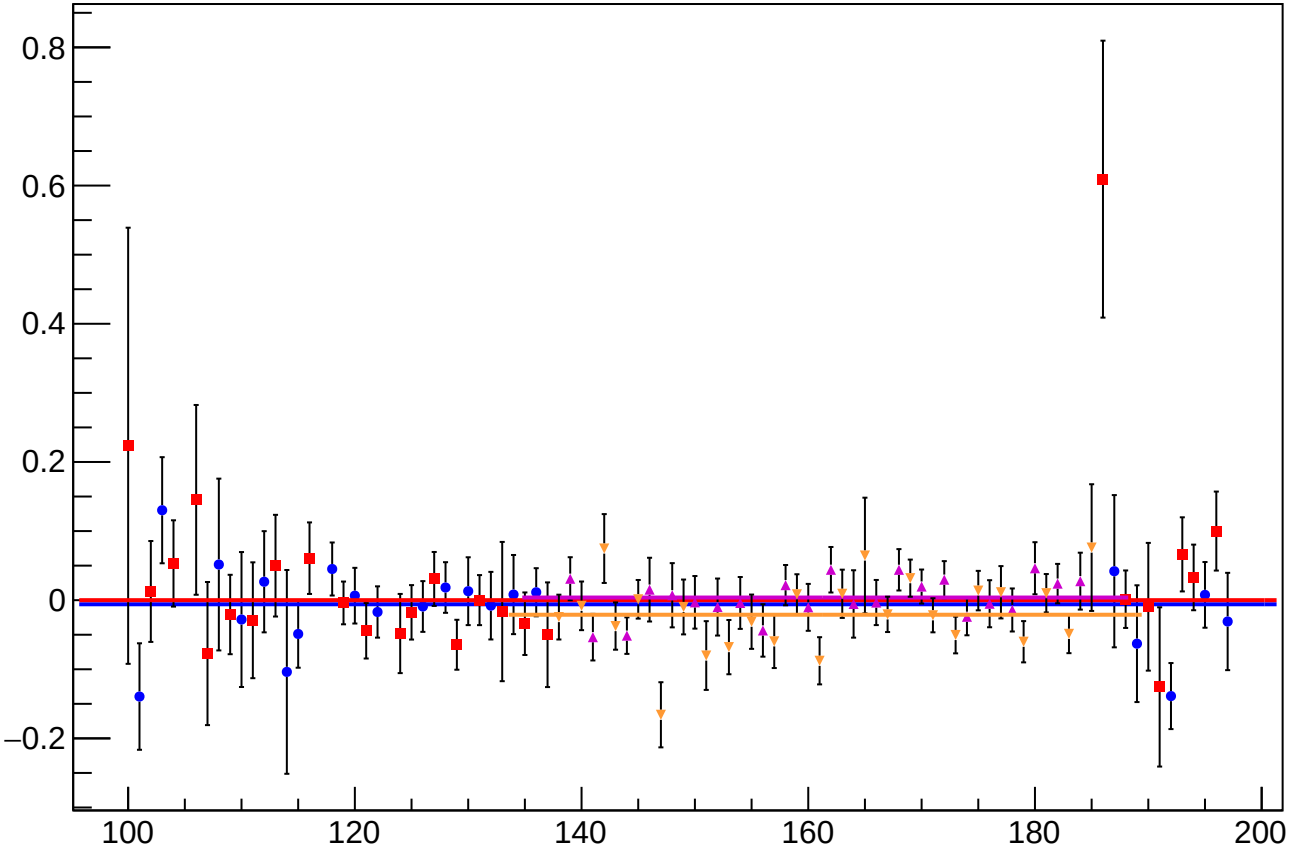
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7695985.8/45

All: 0.000+/-0.000 χ^2/NDF: 16471600.3/94

- sign 0.000+/-0.000 χ^2/NDF: 8762006.5/48

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.011 χ^2/NDF: 19.3/20

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.000+/-0.011 χ^2/NDF: 27.5/25

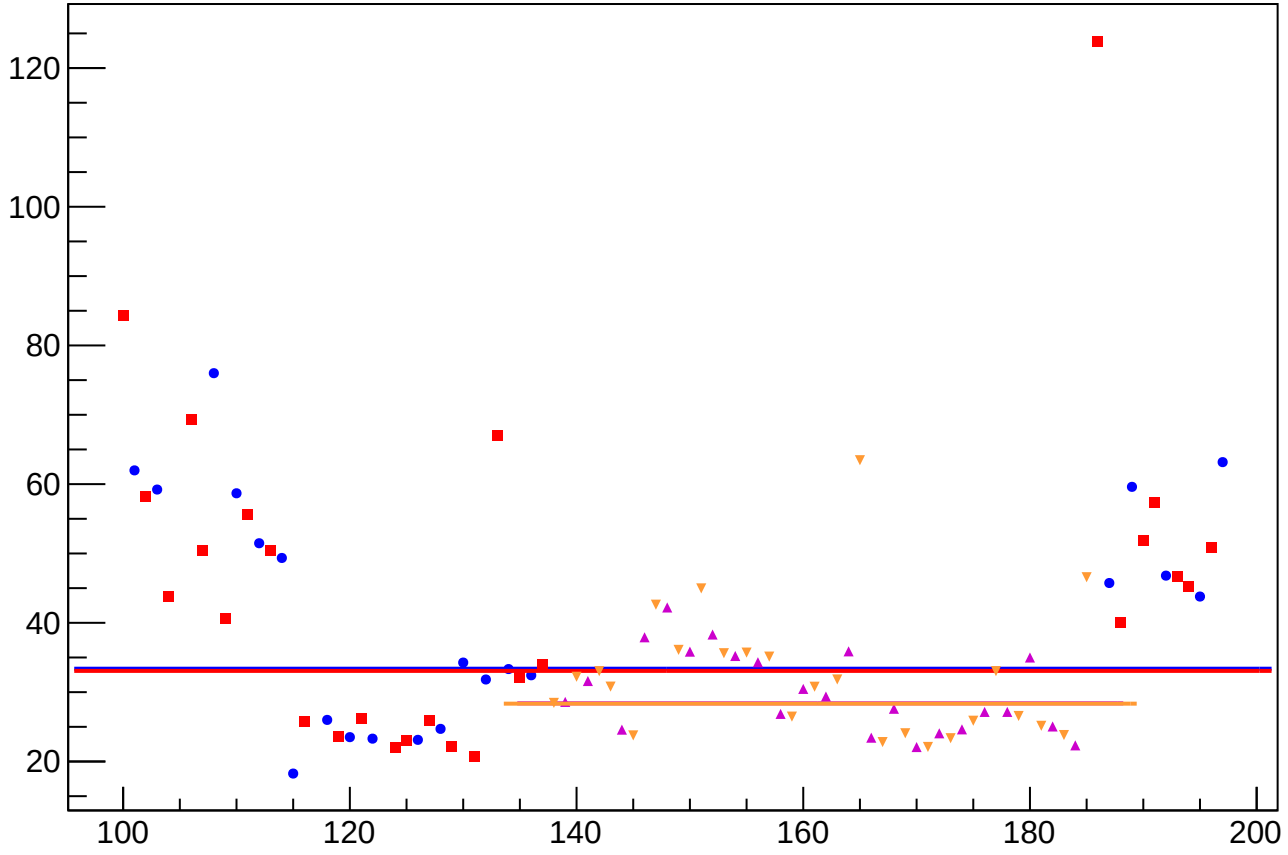
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.8/45

All: -0.007+/-0.004 χ^2/NDF: 110.0/94

- sign 0.003+/-0.006 χ^2/NDF: 46.3/48

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.382+/-0.008 χ^2/NDF: 2652230.6/20

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

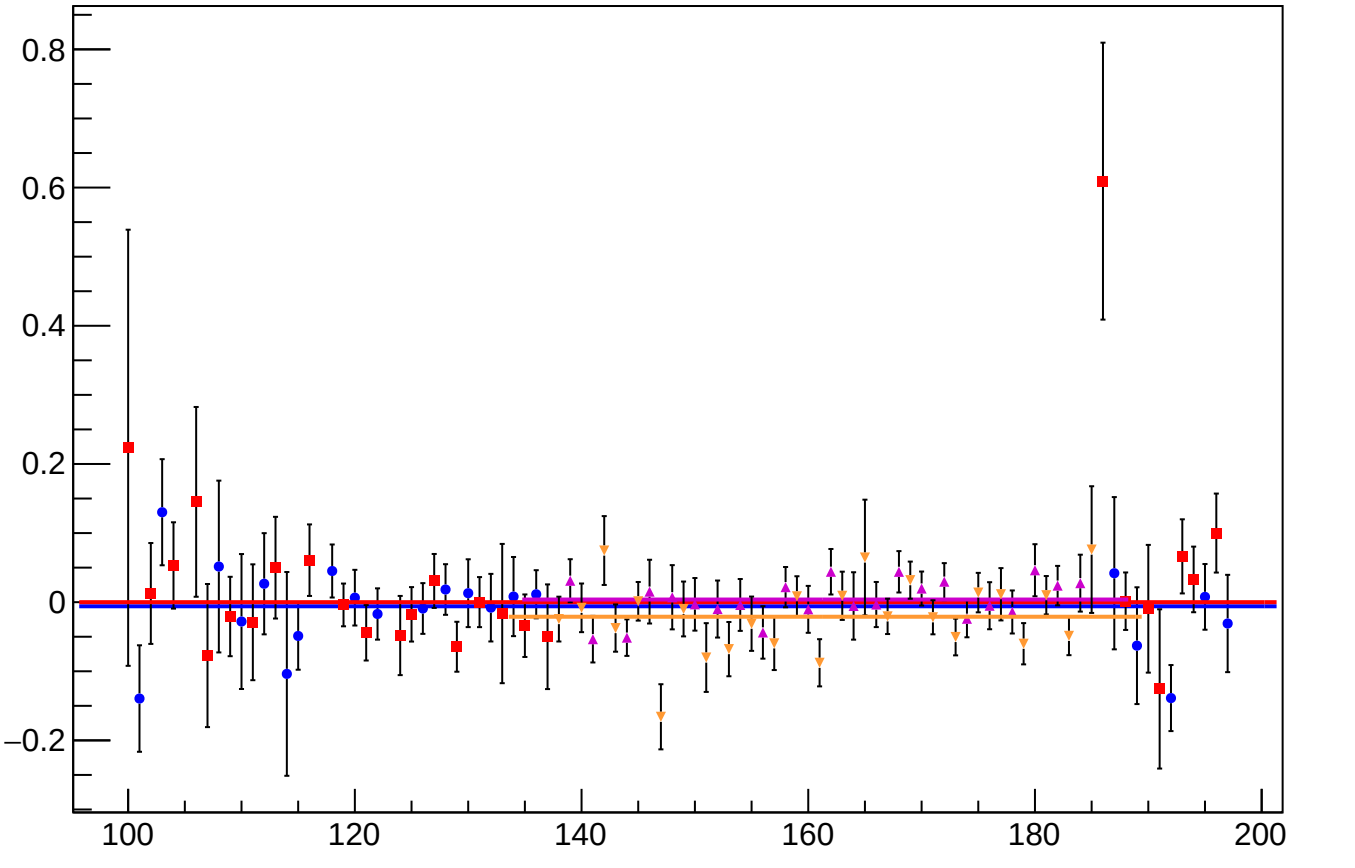
Right Out: 33.067+/-0.007 χ^2/NDF: 3128261.9/25

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 29.657+/-0.004 χ^2/NDF: 4683761.2/45

All: 29.722+/-0.003 χ^2/NDF: 9189314.4/94

- sign 29.787+/-0.004 χ^2/NDF: 4505036.0/48



Right In: -0.006+/-0.011 χ^2/NDF: 19.3/20

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

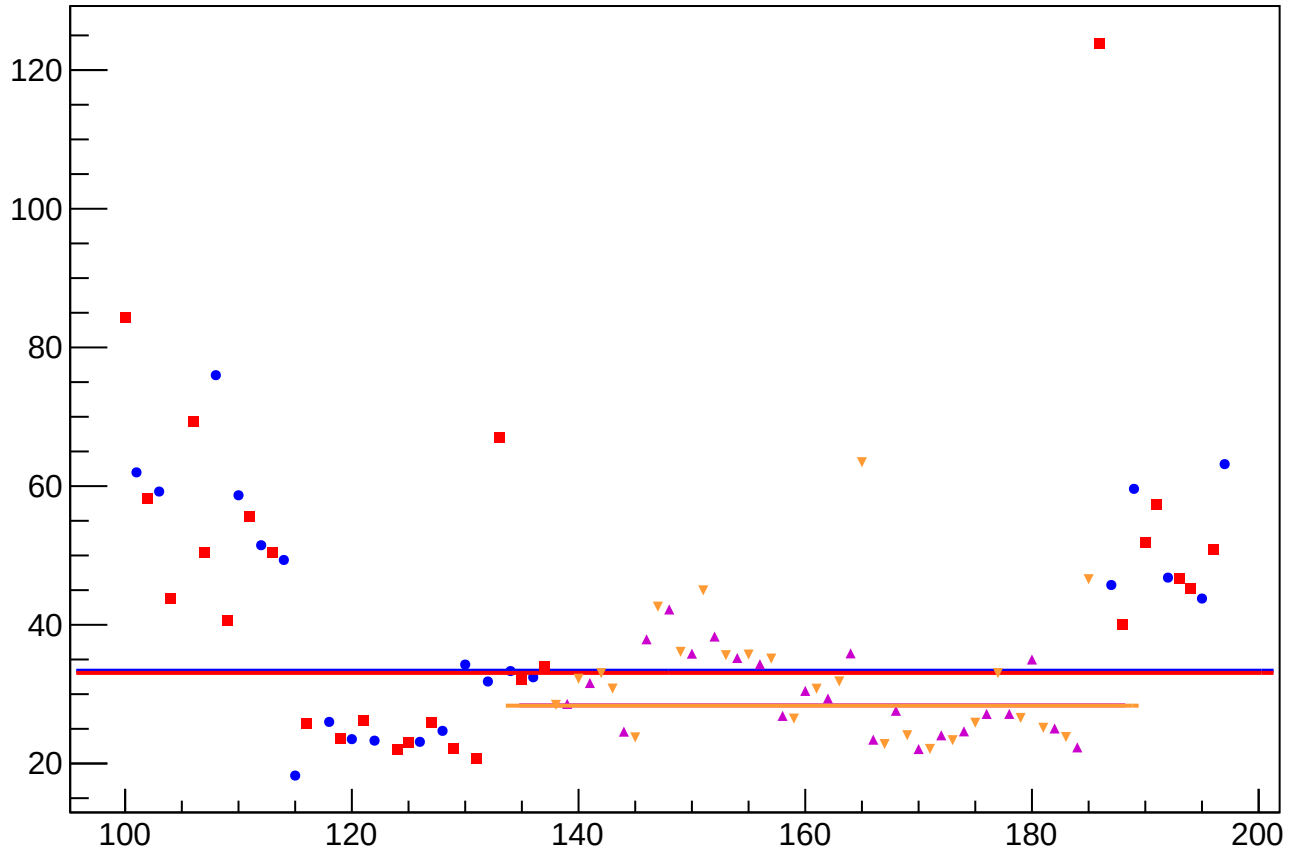
Right Out: 0.000+/-0.011 χ^2/NDF: 27.5/25

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.8/45

All: -0.007+/-0.004 χ^2/NDF: 110.0/94

- sign 0.003+/-0.006 χ^2/NDF: 46.3/48



Right In: 33.382+/-0.008 χ^2/NDF: 2652230.6/20

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

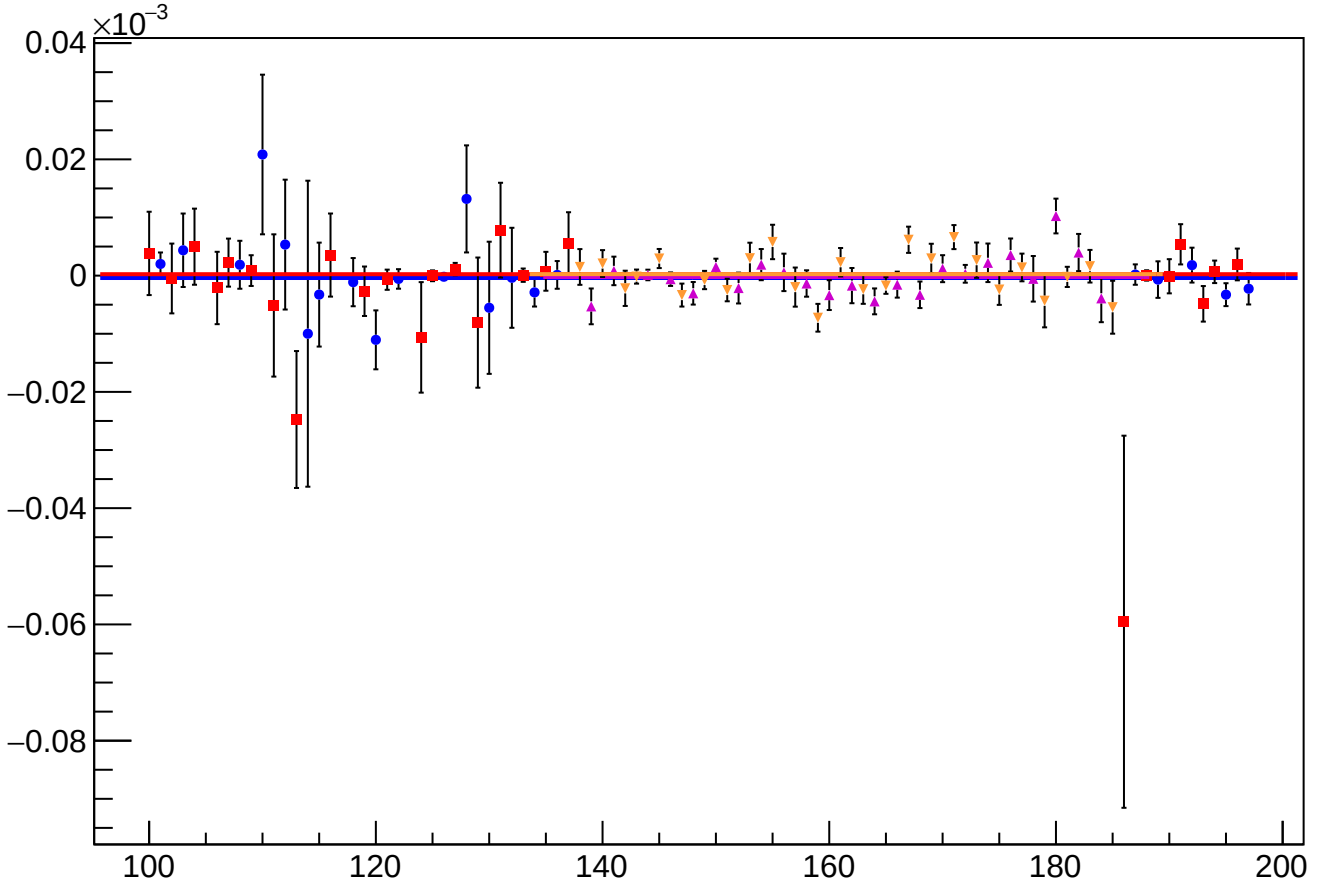
Right Out: 33.067+/-0.007 χ^2/NDF: 3128261.9/25

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 29.657+/-0.004 χ^2/NDF: 4683761.2/45

All: 29.722+/-0.003 χ^2/NDF: 9189314.4/94

- sign 29.787+/-0.004 χ^2/NDF: 4505036.0/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

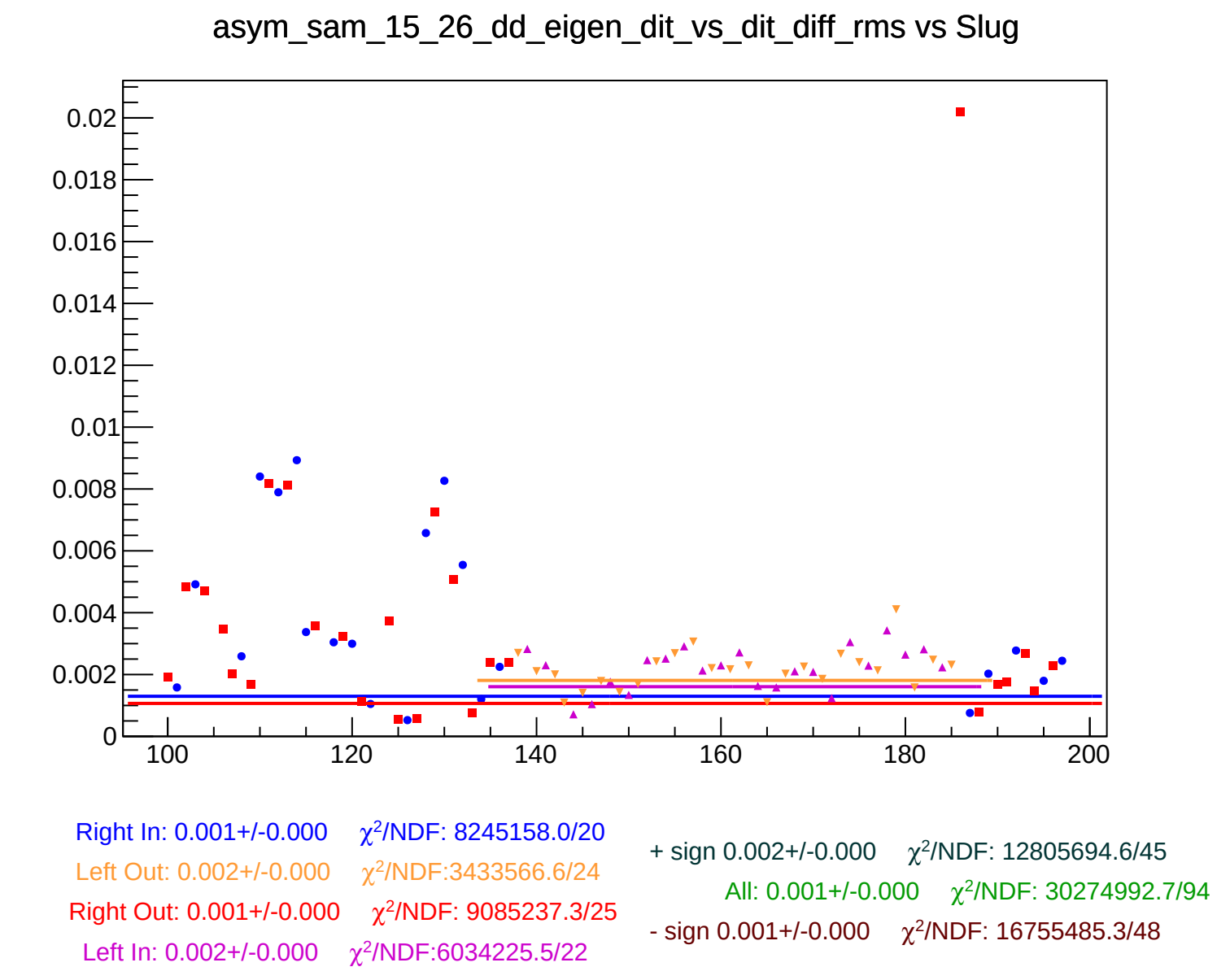
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/25

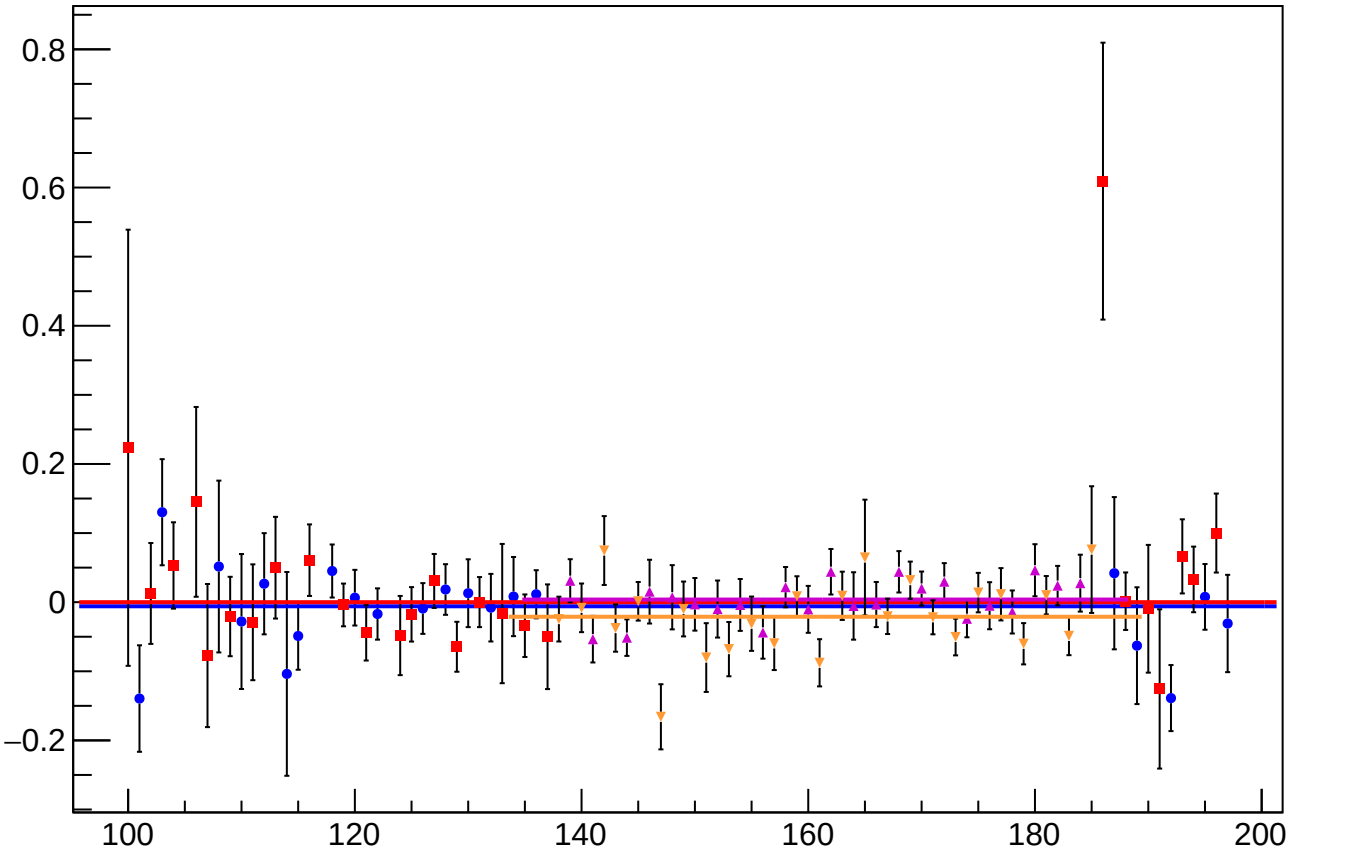
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.2/45

All: -0.000+/-0.000 χ^2/NDF: 122.5/94

- sign 0.000+/-0.000 χ^2/NDF: 54.3/48


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8245158.0/20
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 9085237.3/25
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
+ sign 0.002+/-0.000 χ²/NDF: 12805694.6/45
All: 0.001+/-0.000 χ²/NDF: 30274992.7/94
- sign 0.001+/-0.000 χ²/NDF: 16755485.3/48



Right In: -0.006+/-0.011 χ^2/NDF: 19.3/20

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

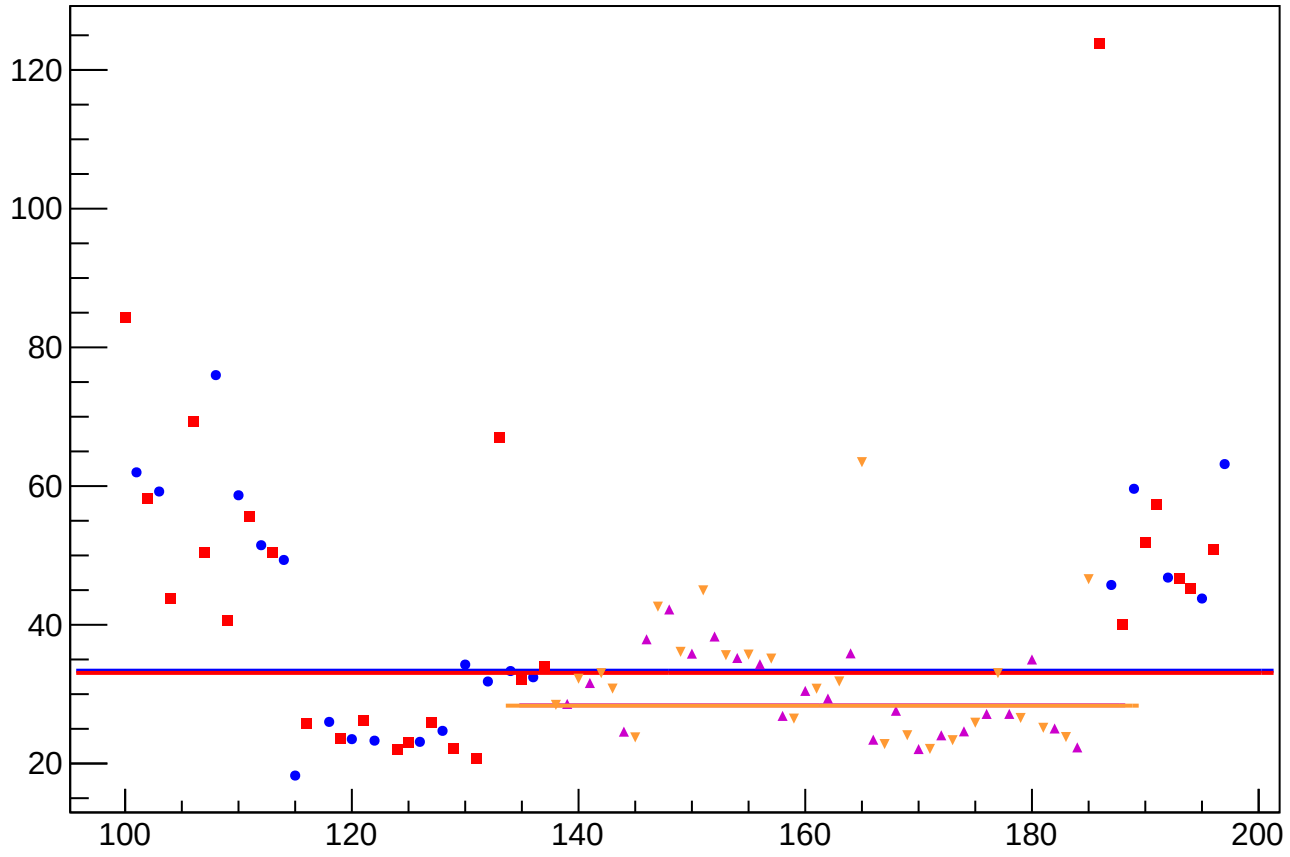
Right Out: 0.000+/-0.011 χ^2/NDF: 27.5/25

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.8/45

All: -0.007+/-0.004 χ^2/NDF: 110.0/94

- sign 0.003+/-0.006 χ^2/NDF: 46.3/48



Right In: 33.382+/-0.008 χ^2/NDF: 2652079.5/20

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

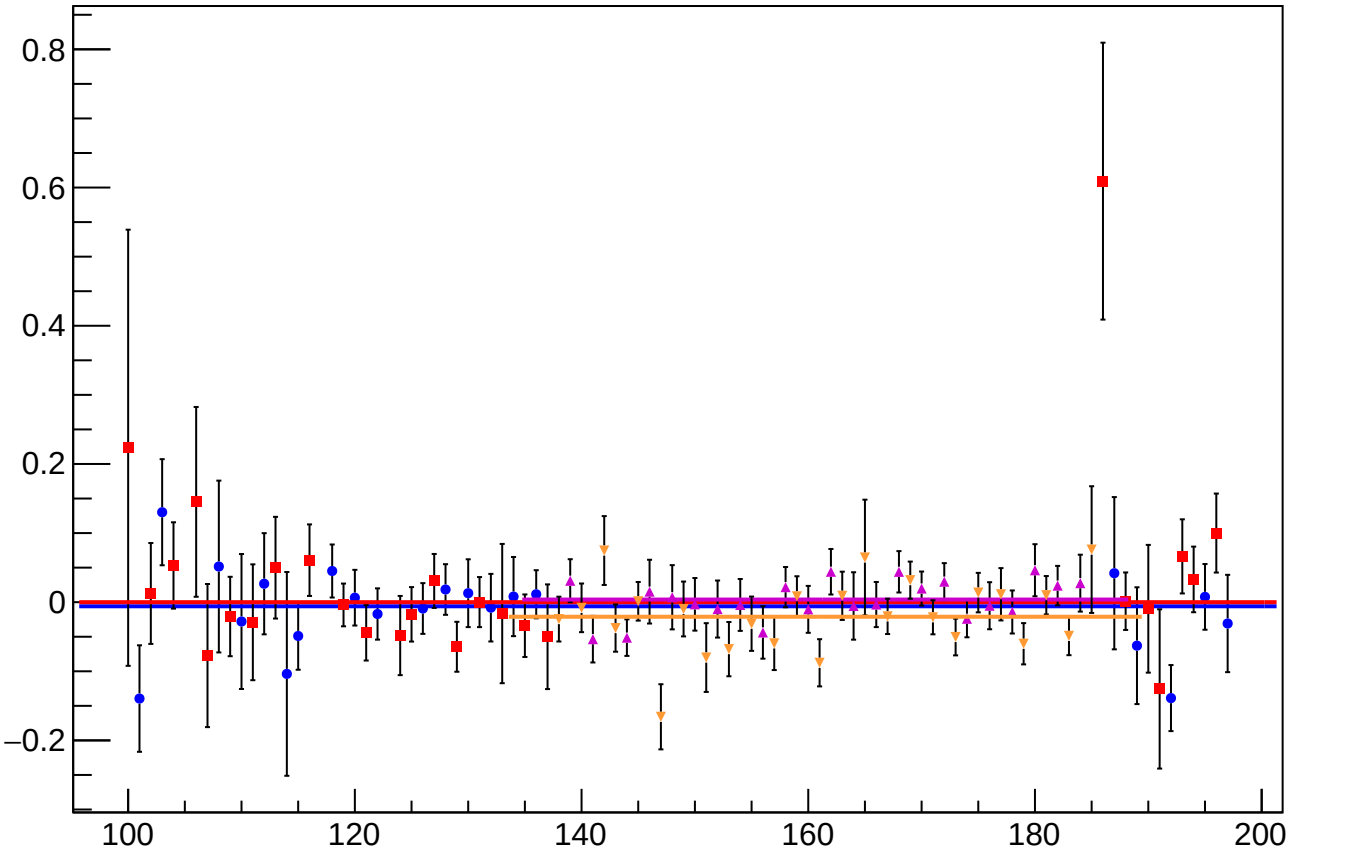
Right Out: 33.067+/-0.007 χ^2/NDF: 3128288.9/25

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 29.657+/-0.004 χ^2/NDF: 4683599.8/45

All: 29.722+/-0.003 χ^2/NDF: 9189095.5/94

- sign 29.787+/-0.004 χ^2/NDF: 4504978.6/48



Right In: -0.006+/-0.011 χ^2/NDF: 19.3/20

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

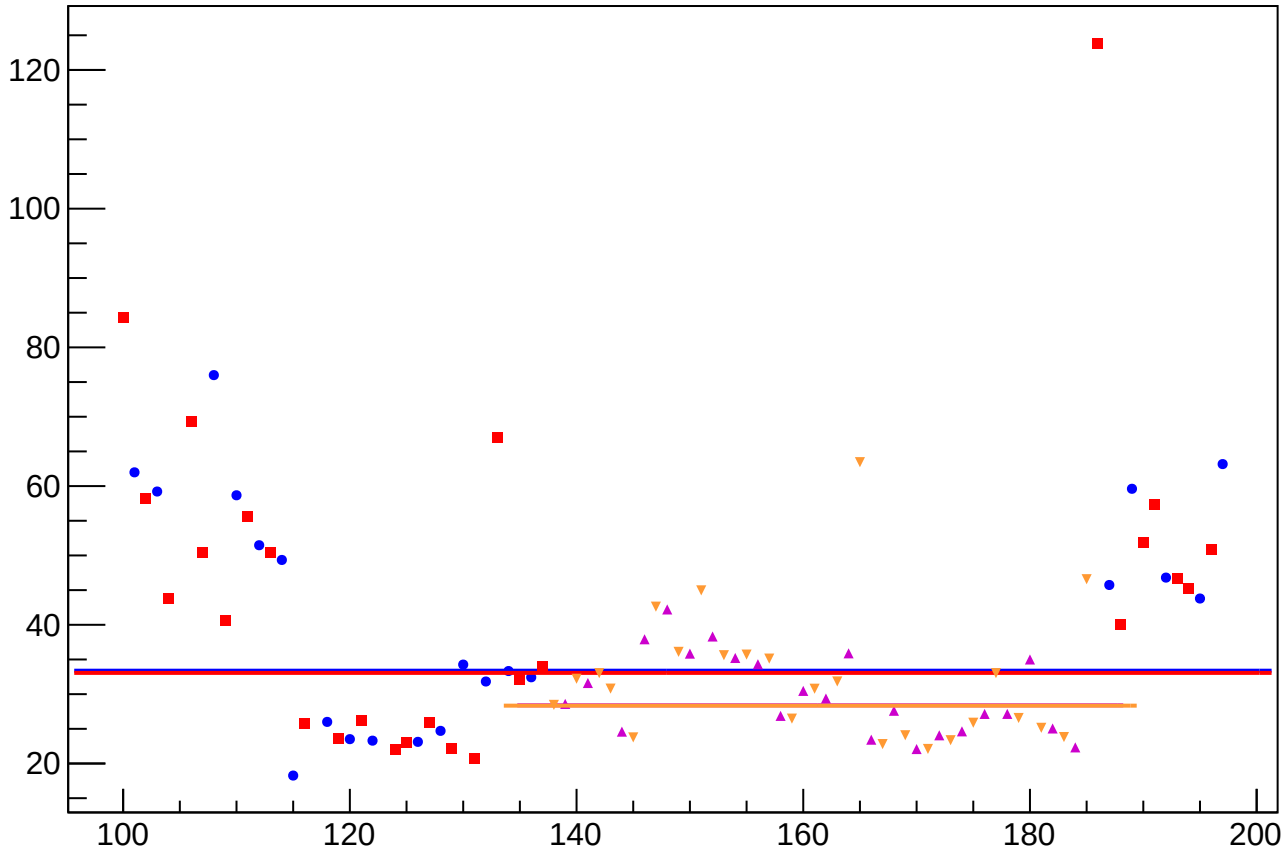
Right Out: 0.000+/-0.011 χ^2/NDF: 27.5/25

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.8/45

All: -0.007+/-0.004 χ^2/NDF: 110.0/94

- sign 0.003+/-0.006 χ^2/NDF: 46.3/48



Right In: 33.382+/-0.008 χ^2/NDF: 2652079.5/20

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

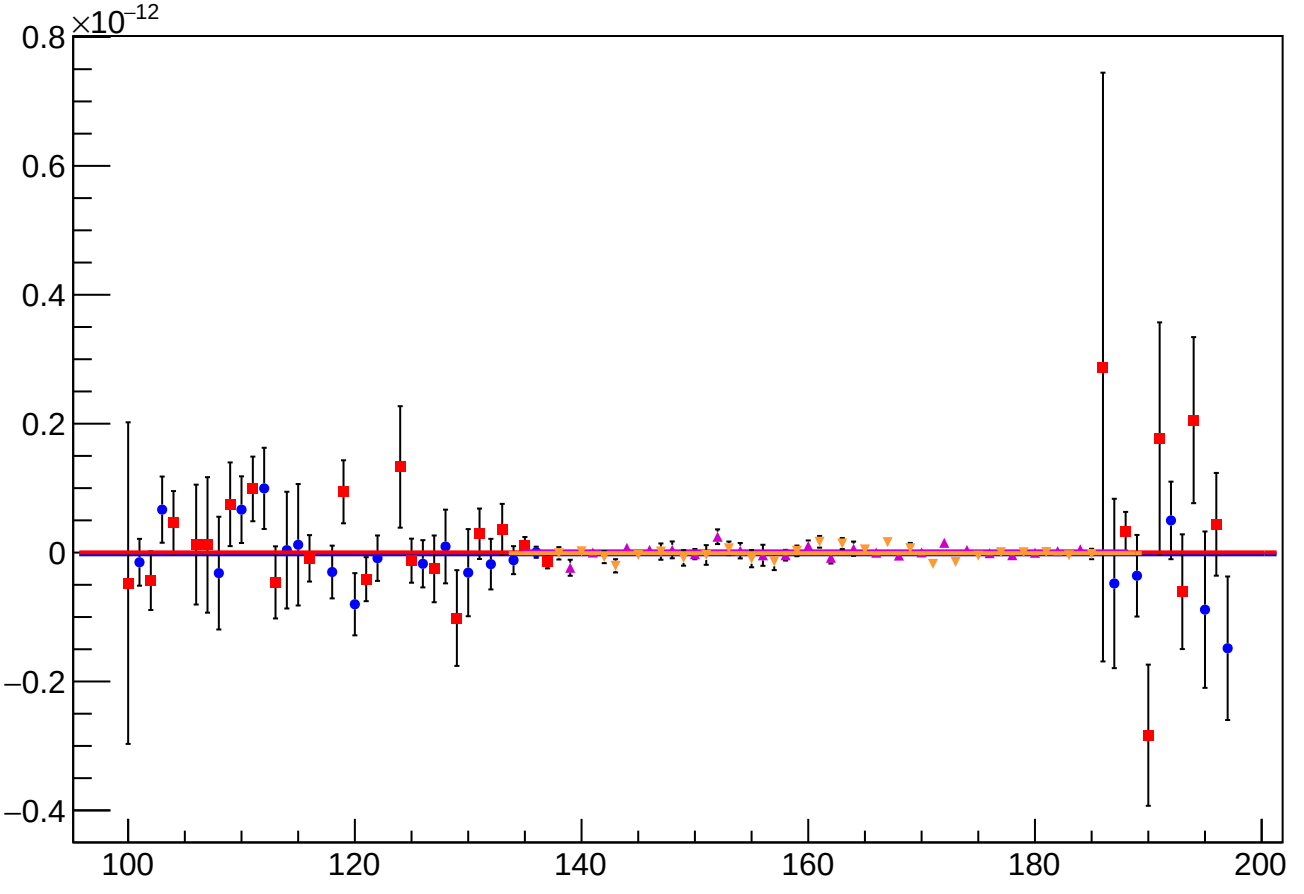
Right Out: 33.067+/-0.007 χ^2/NDF: 3128288.9/25

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 29.657+/-0.004 χ^2/NDF: 4683599.8/45

All: 29.722+/-0.003 χ^2/NDF: 9189095.5/94

\- sign 29.787+/-0.004 χ^2/NDF: 4504978.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

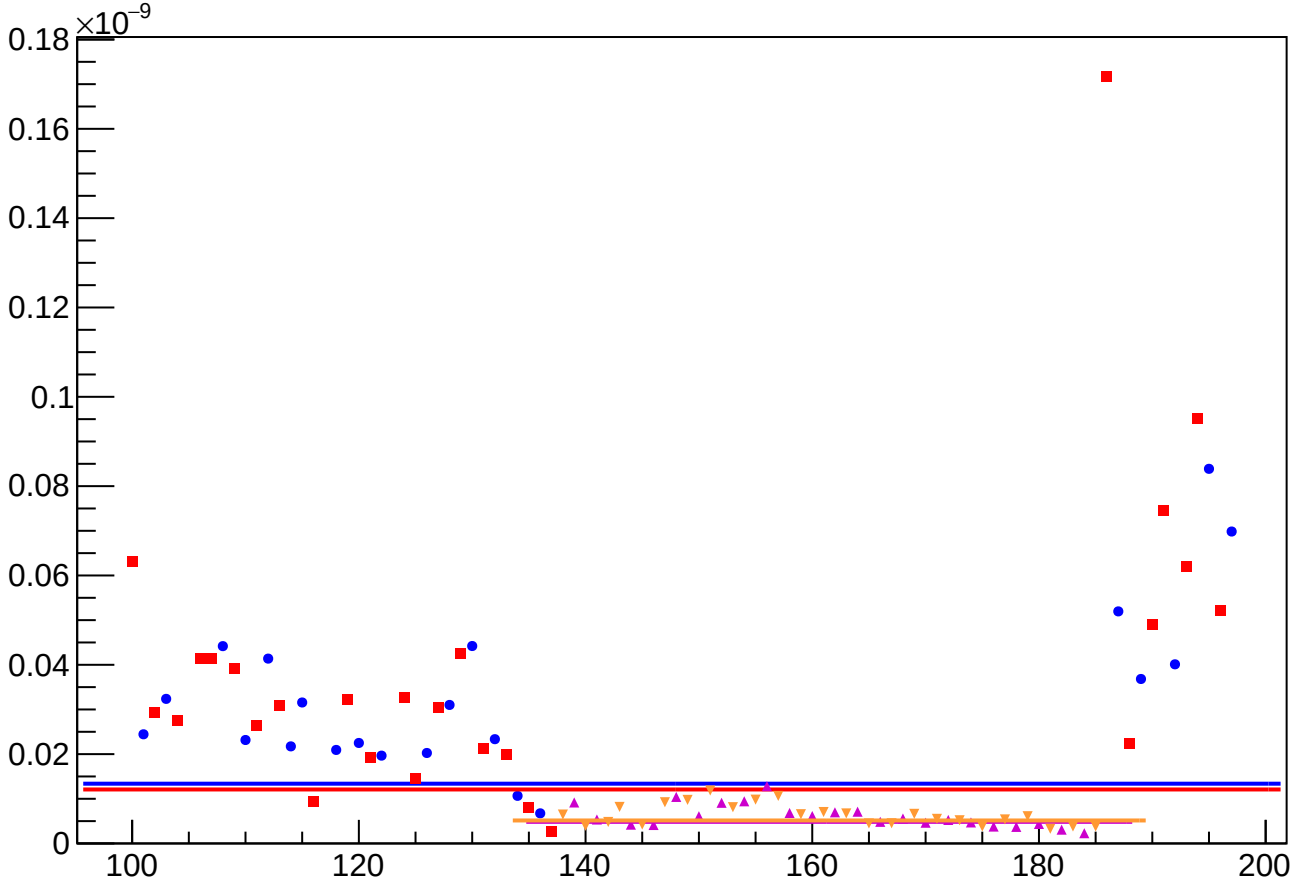
Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/25

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.0/45

All: 0.000+/-0.000 χ^2/NDF: 103.4/94

- sign 0.000+/-0.000 χ^2/NDF: 53.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 5526116.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7777065.0/25

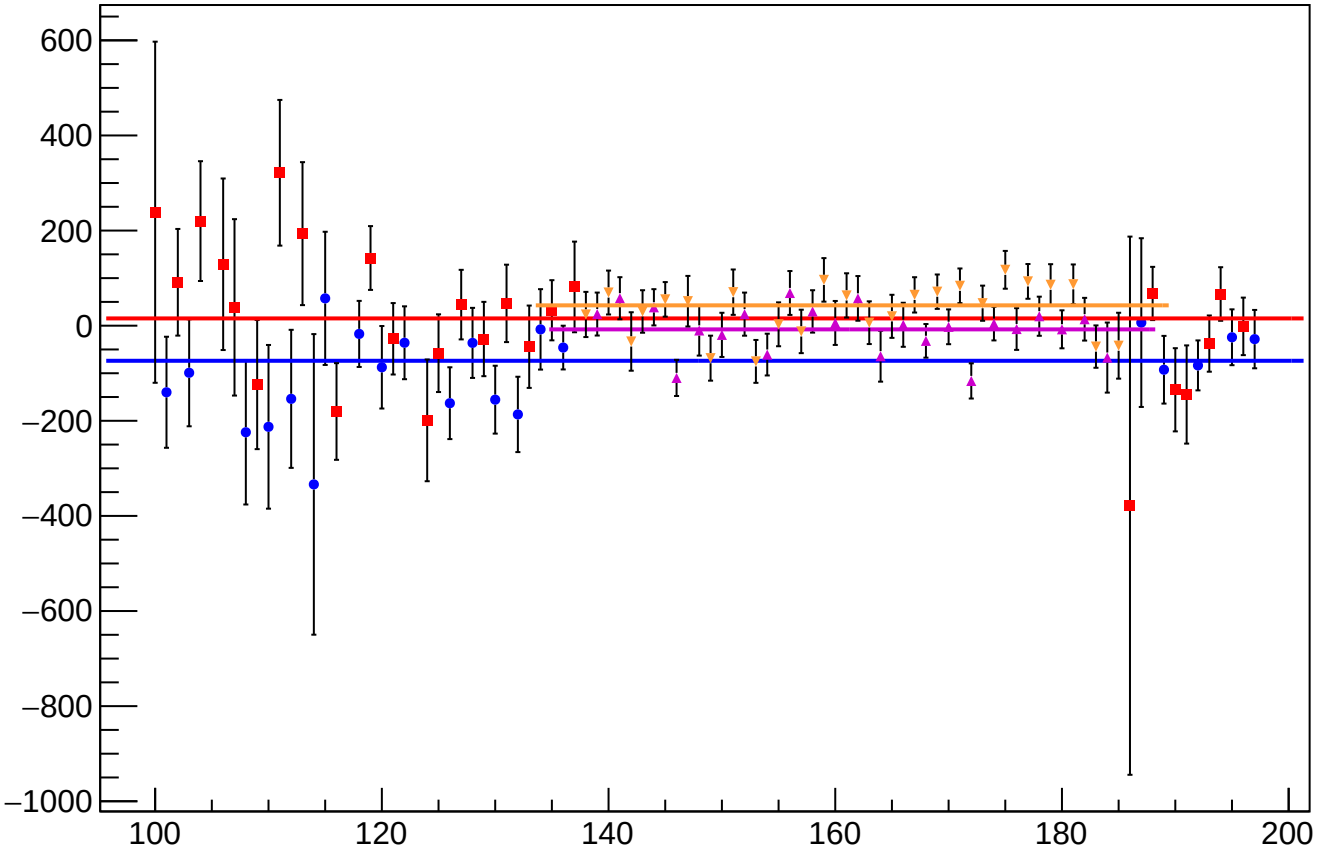
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11438582.5/45

All: 0.000+/-0.000 χ^2/NDF: 24718181.2/94

- sign 0.000+/-0.000 χ^2/NDF: 13223064.7/48

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -73.806+/-17.345 χ^2/NDF: 12.3/20

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 15.274+/-16.963 χ^2/NDF: 31.6/25

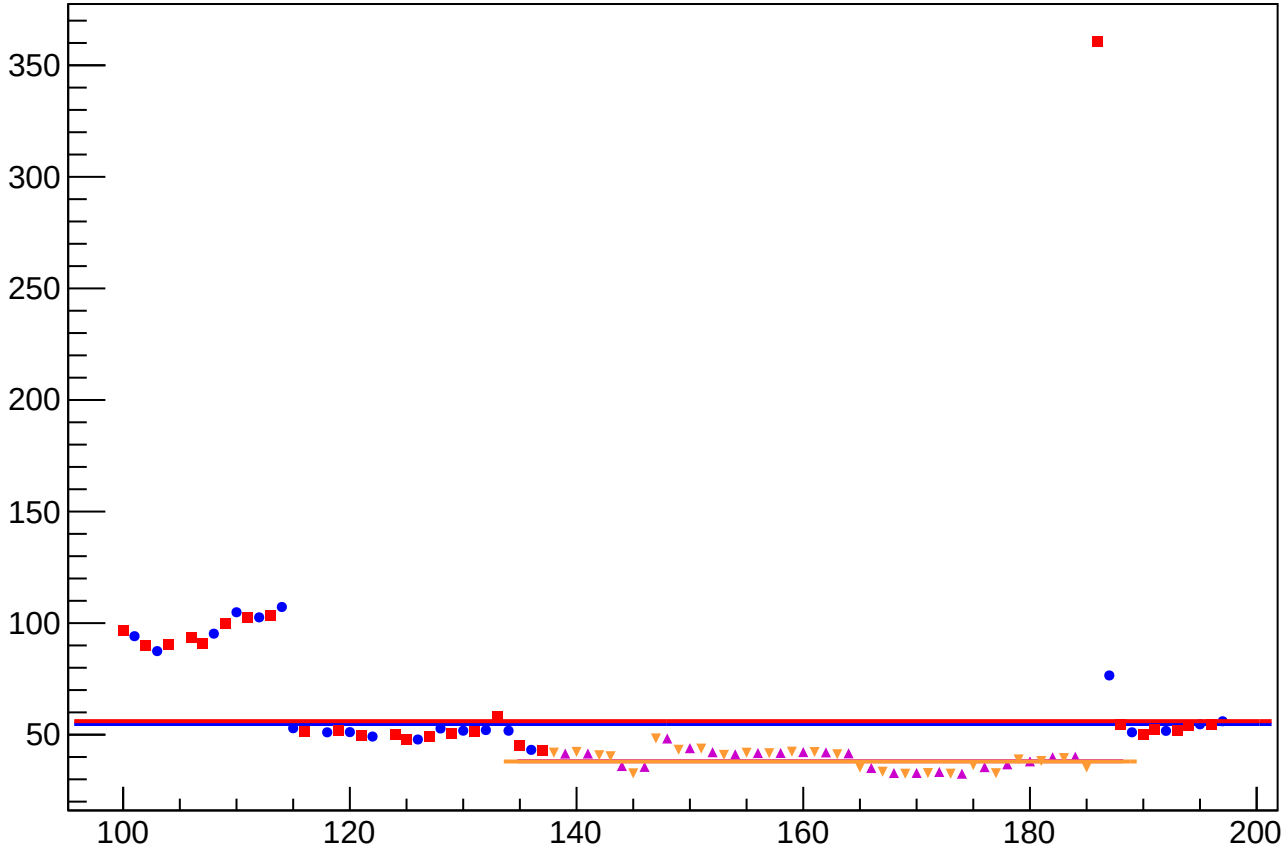
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 19.340+/-7.775 χ^2/NDF: 83.2/45

All: 8.521+/-5.553 χ^2/NDF: 150.8/94

- sign -2.741+/-7.933 χ^2/NDF: 63.7/48

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 54.795+/-0.012 χ^2/NDF: 1196511.2/20

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

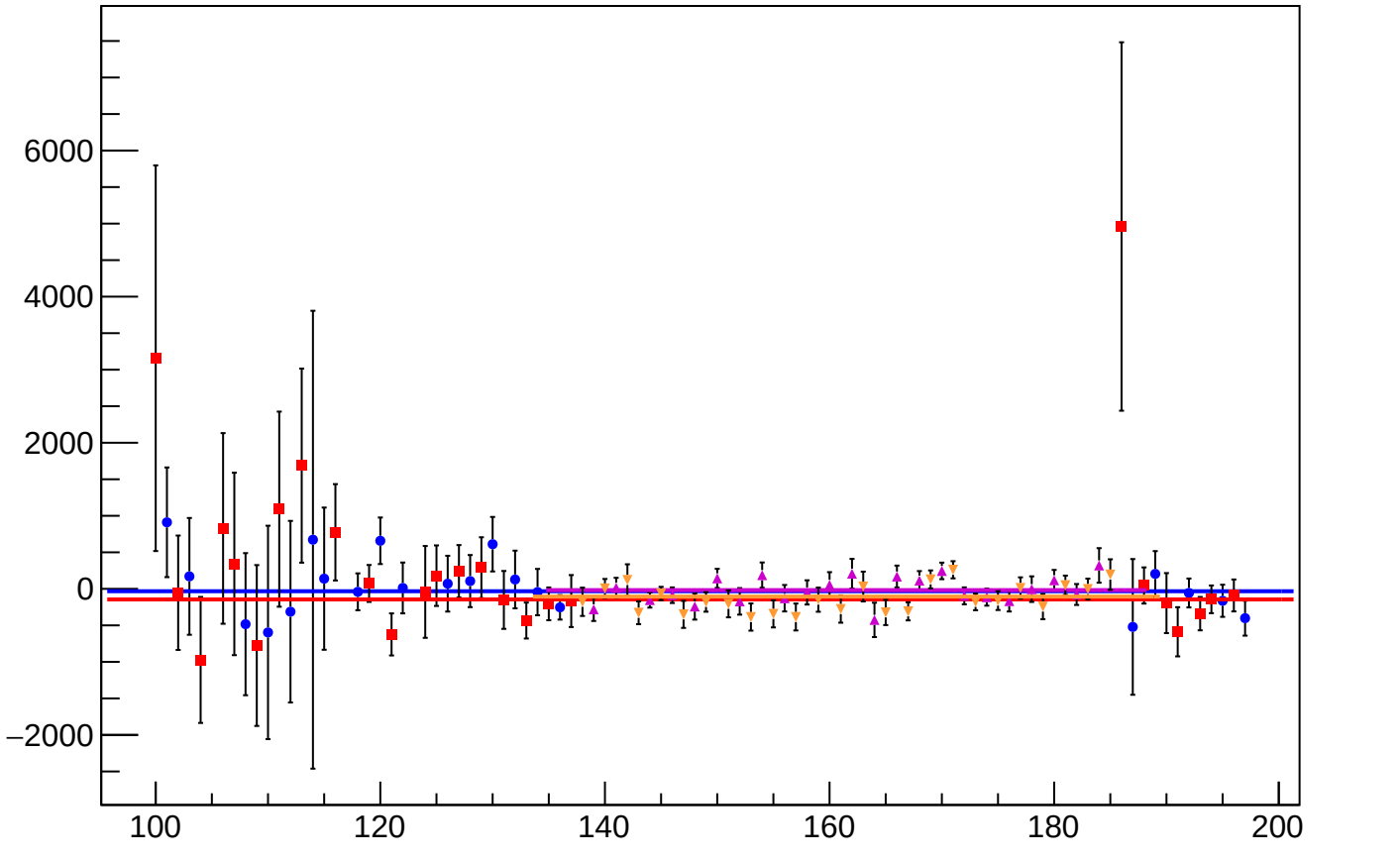
Right Out: 56.073+/-0.012 χ^2/NDF: 1897779.5/25

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.367+/-0.005 χ^2/NDF: 3210368.4/45

All: 41.705+/-0.004 χ^2/NDF: 7292076.1/94

- sign 42.056+/-0.006 χ^2/NDF: 4074004.2/48



Right In: -32.693+/-72.669 χ^2/NDF: 15.6/20

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -145.094+/-69.332 χ^2/NDF: 23.3/25

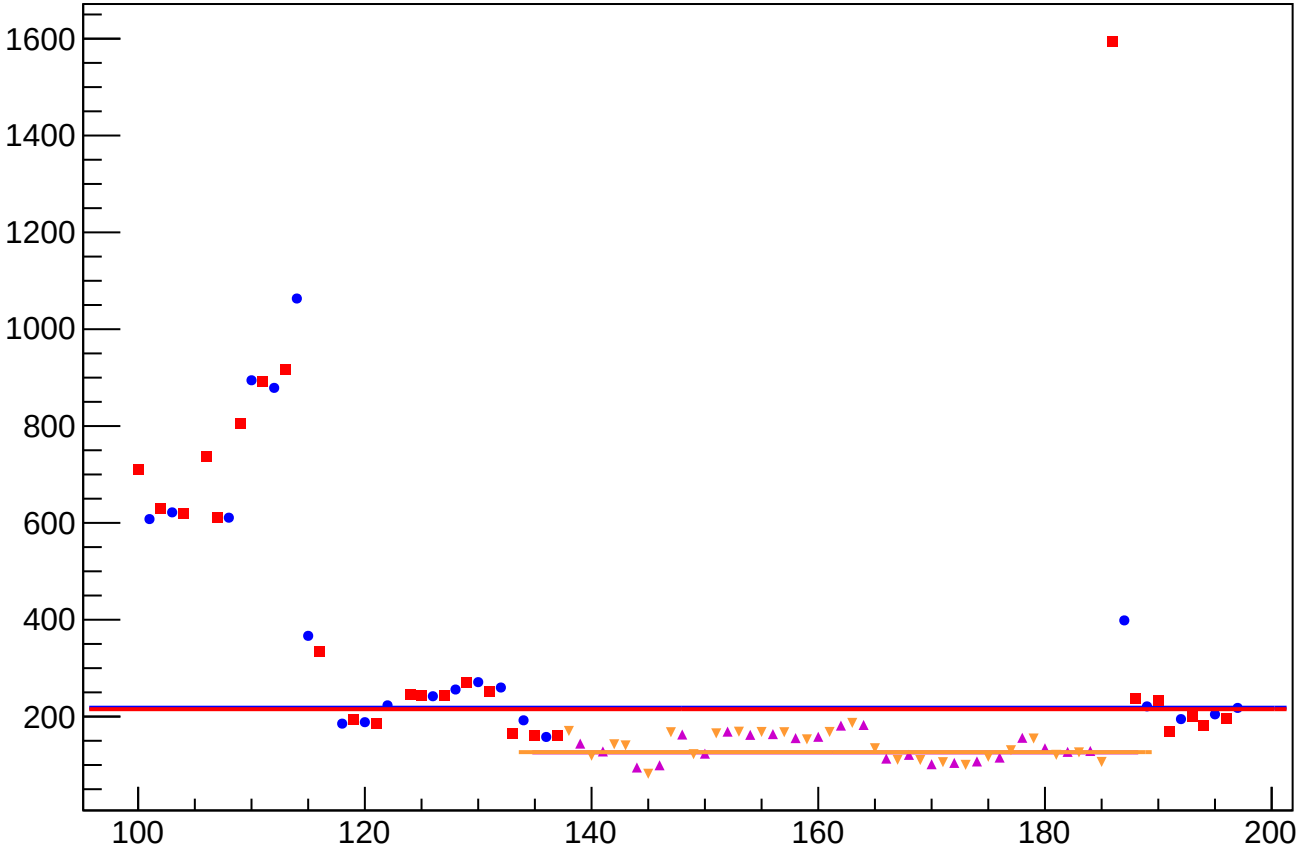
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -96.024+/-27.384 χ^2/NDF: 54.1/45

All: -67.244+/-19.466 χ^2/NDF: 110.7/94

- sign -37.845+/-27.676 χ^2/NDF: 54.4/48

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 218.312+/-0.051 χ^2/NDF: 3087110.8/20

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 215.250+/-0.049 χ^2/NDF: 4411397.5/25

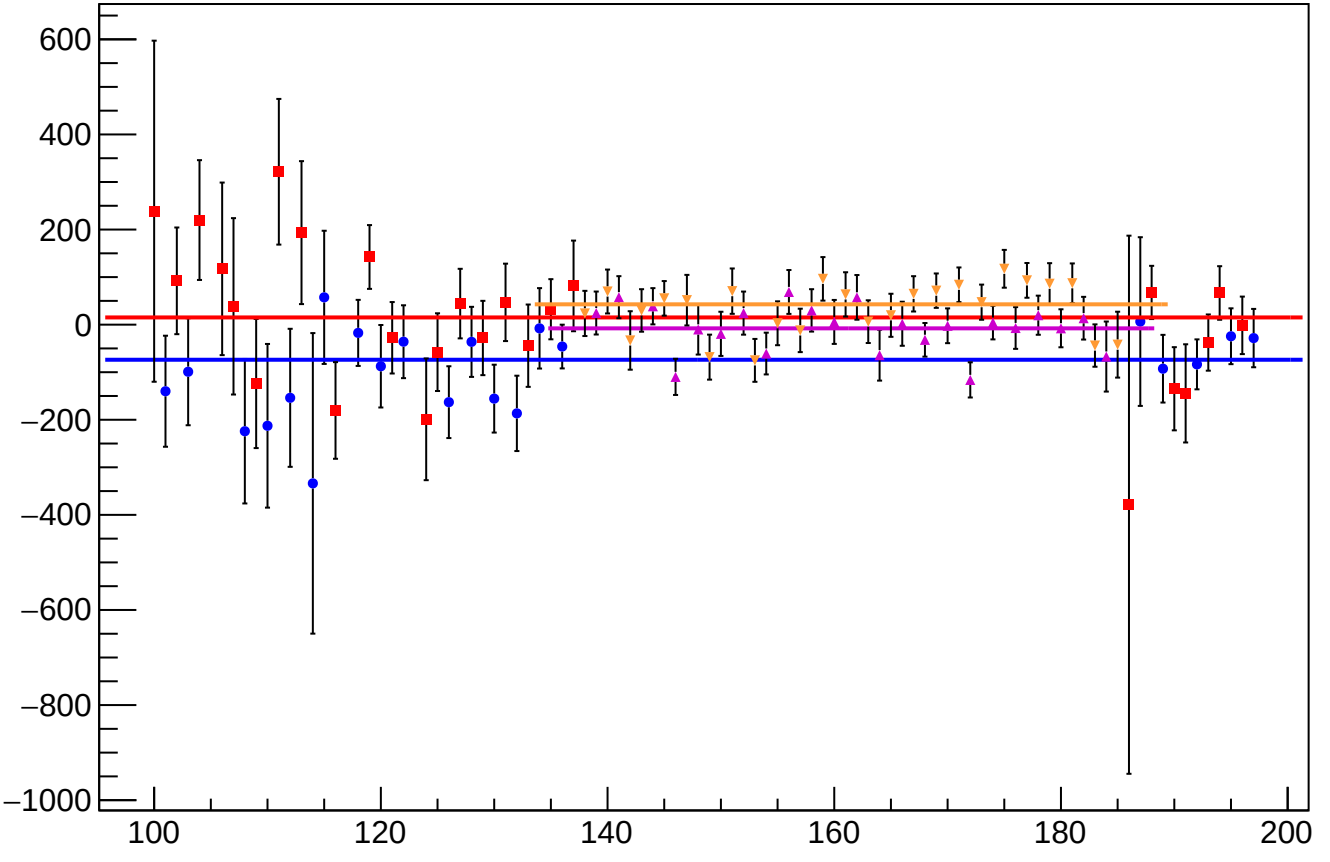
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 139.590+/-0.019 χ^2/NDF: 7580819.6/45

All: 139.908+/-0.014 χ^2/NDF: 16188662.7/94

- sign 140.233+/-0.020 χ^2/NDF: 8607297.5/48

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -73.802+/-17.345 χ^2/NDF: 12.3/20

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 15.183+/-16.964 χ^2/NDF: 31.6/25

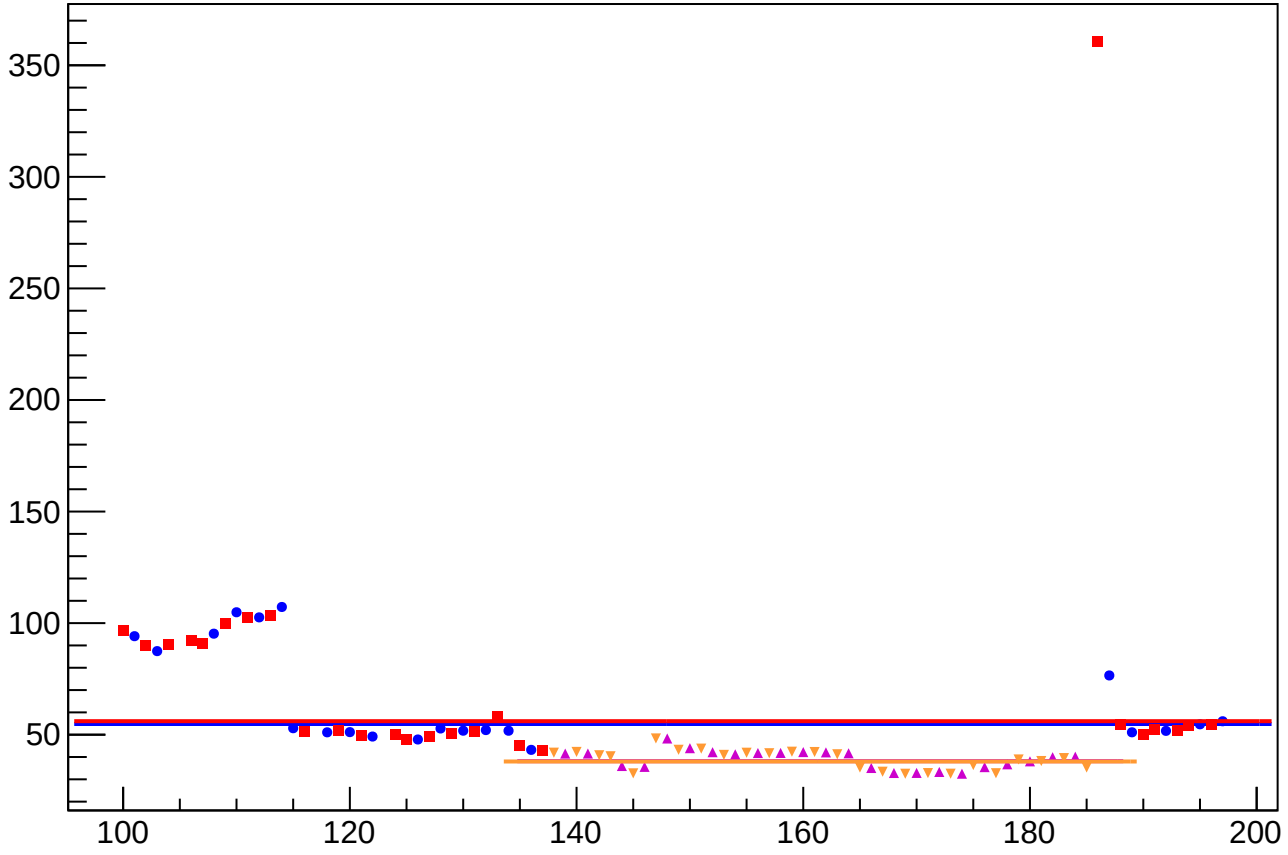
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 19.343+/-7.775 χ^2/NDF: 83.2/45

All: 8.512+/-5.553 χ^2/NDF: 150.7/94

- sign -2.762+/-7.933 χ^2/NDF: 63.6/48

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.795+/-0.012 χ^2/NDF: 1196511.4/20

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

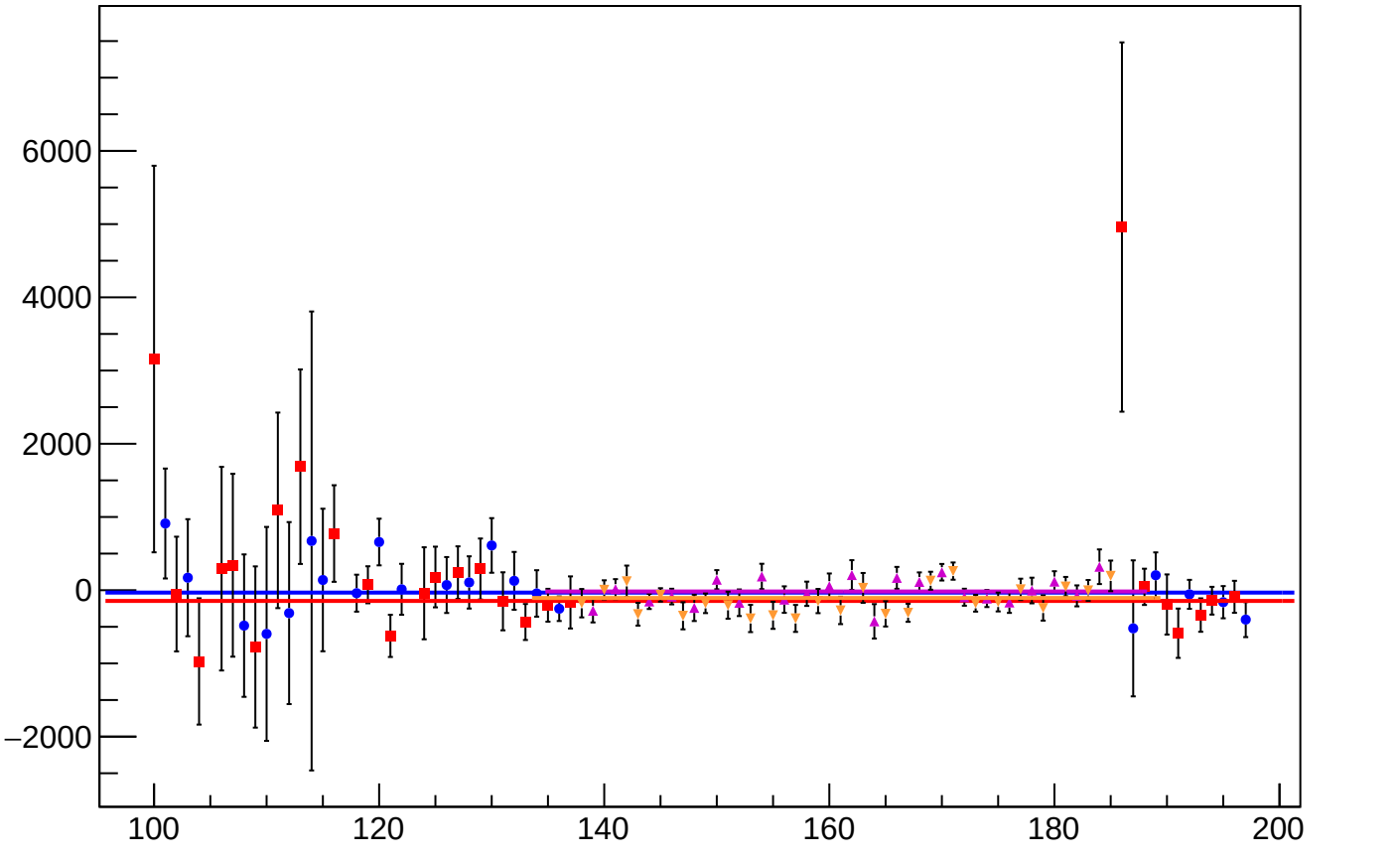
Right Out: 56.056+/-0.012 χ^2/NDF: 1890030.7/25

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.367+/-0.005 χ^2/NDF: 3210368.6/45

All: 41.703+/-0.004 χ^2/NDF: 7280726.1/94

- sign 42.052+/-0.006 χ^2/NDF: 4062745.7/48



Right In: -32.691+/-72.669 χ^2/NDF: 15.6/20

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -146.725+/-69.344 χ^2/NDF: 22.9/25

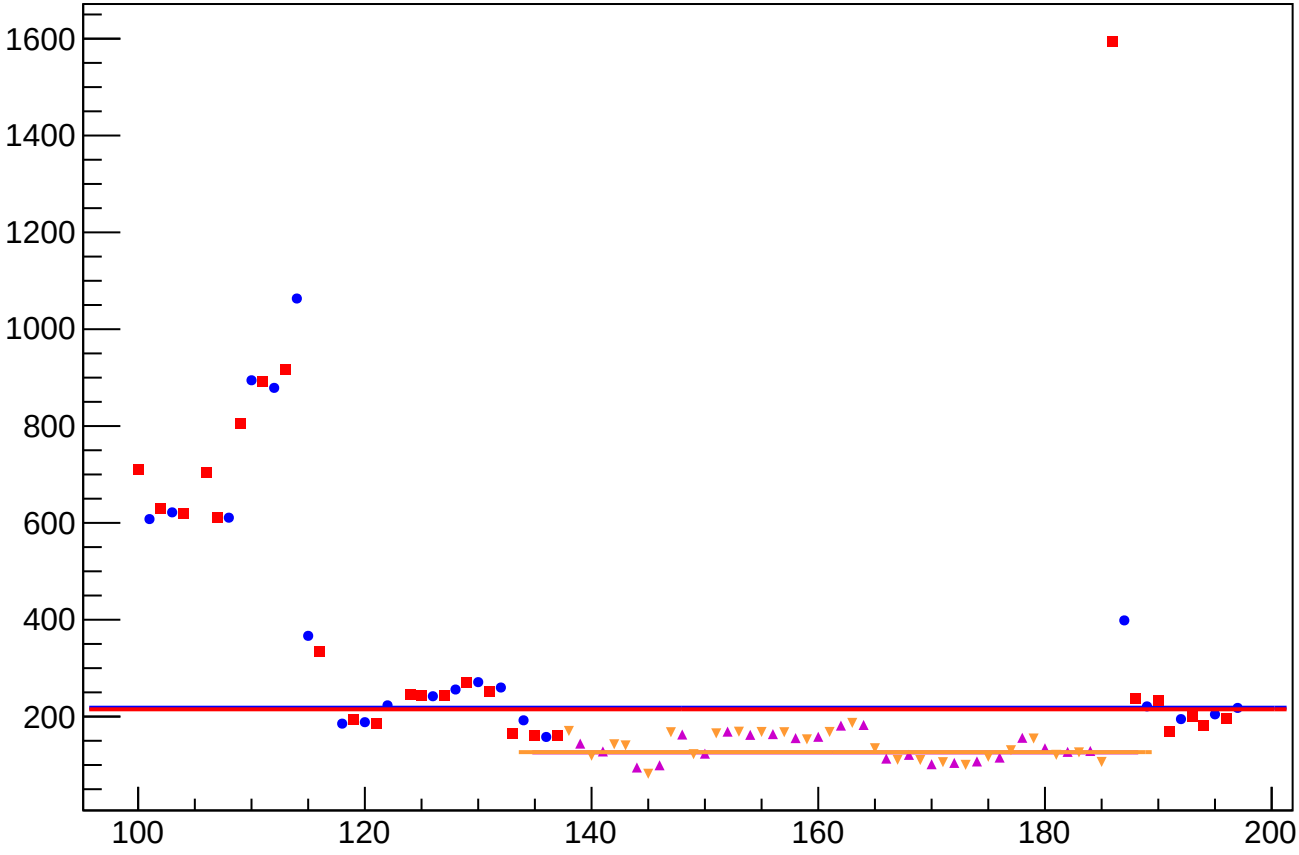
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -96.023+/-27.384 χ^2/NDF: 54.1/45

All: -67.370+/-19.466 χ^2/NDF: 110.3/94

- sign -38.100+/-27.677 χ^2/NDF: 54.0/48

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 218.312+/-0.051 χ^2/NDF: 3087116.0/20

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 214.995+/-0.049 χ^2/NDF: 4340165.2/25

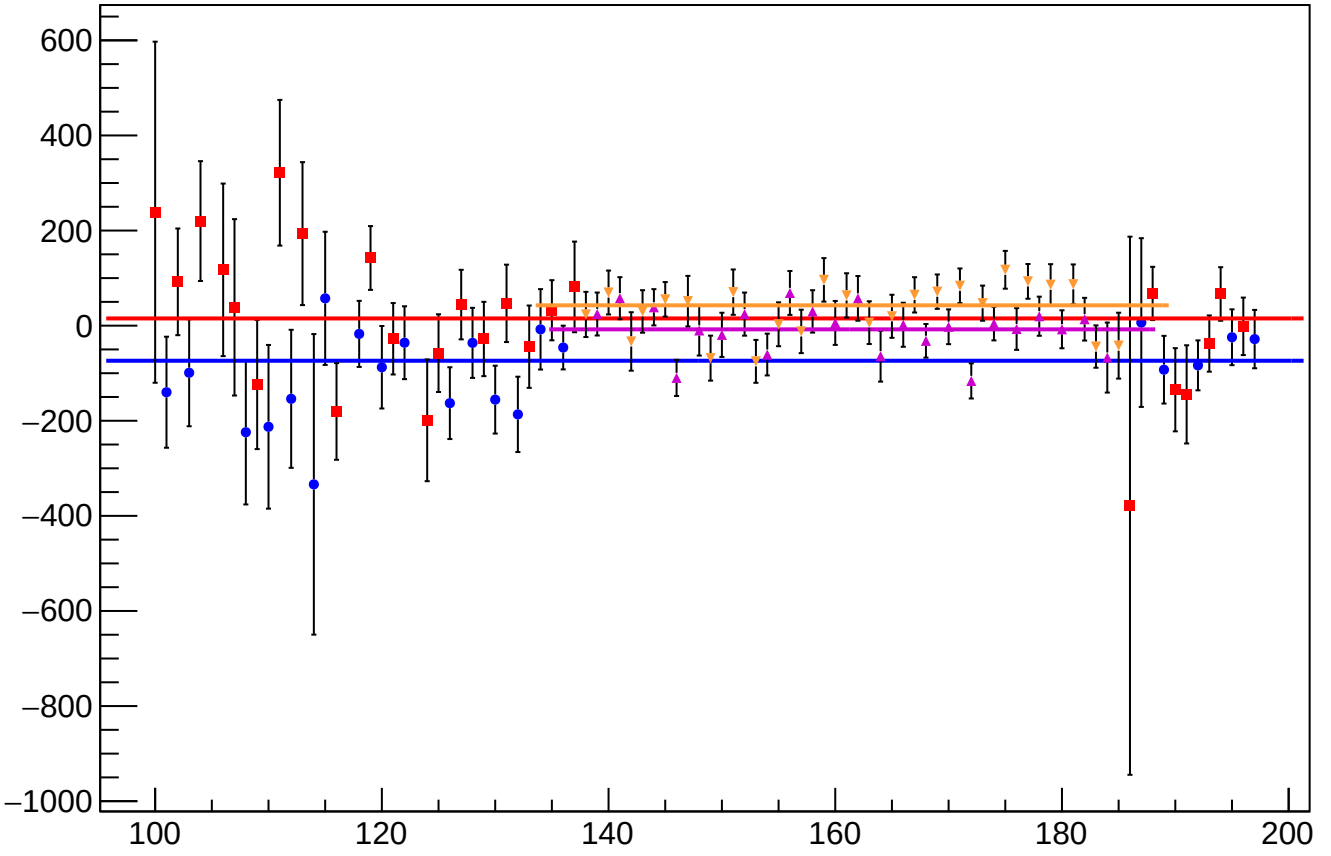
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 139.590+/-0.019 χ^2/NDF: 7580816.3/45

All: 139.886+/-0.014 χ^2/NDF: 16100658.1/94

- sign 140.188+/-0.020 χ^2/NDF: 8519369.7/48

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -73.802+/-17.345 χ^2/NDF: 12.3/20

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 15.183+/-16.964 χ^2/NDF: 31.6/25

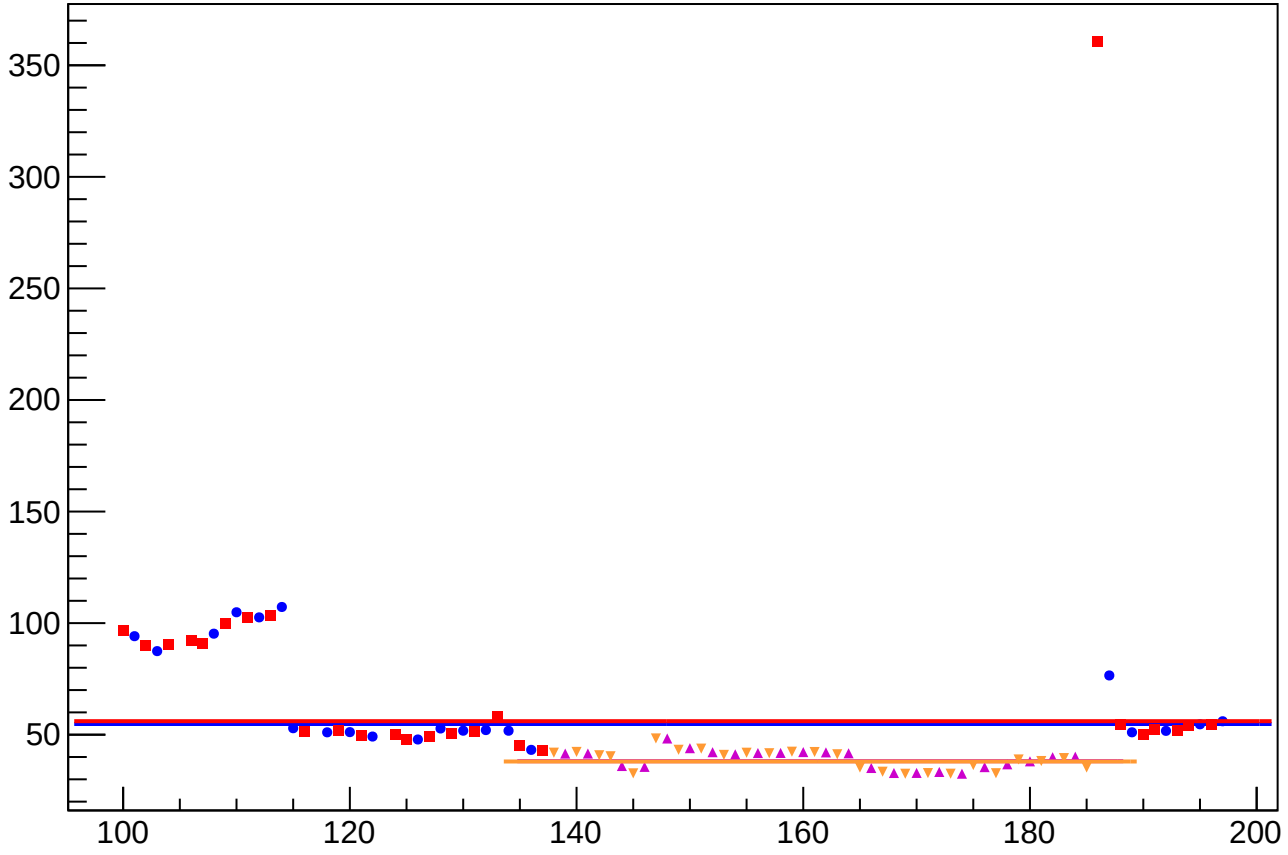
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 19.343+/-7.775 χ^2/NDF: 83.2/45

All: 8.512+/-5.553 χ^2/NDF: 150.7/94

- sign -2.762+/-7.933 χ^2/NDF: 63.6/48

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.795+/-0.012 χ^2/NDF: 1196511.4/20

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

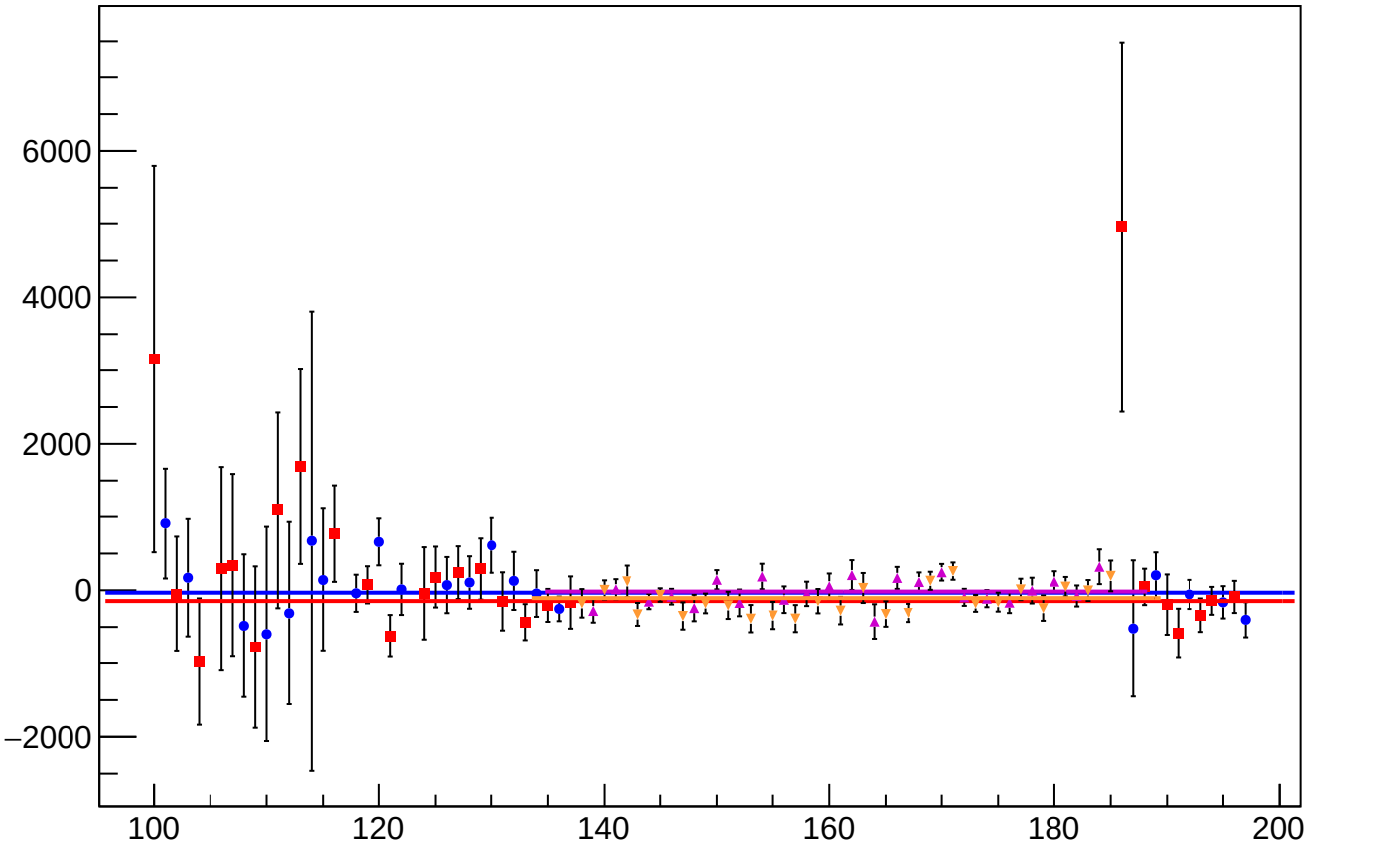
Right Out: 56.056+/-0.012 χ^2/NDF: 1890030.7/25

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.367+/-0.005 χ^2/NDF: 3210368.6/45

All: 41.703+/-0.004 χ^2/NDF: 7280726.1/94

- sign 42.052+/-0.006 χ^2/NDF: 4062745.7/48



Right In: -32.691+/-72.669 χ^2/NDF: 15.6/20

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -146.725+/-69.344 χ^2/NDF: 22.9/25

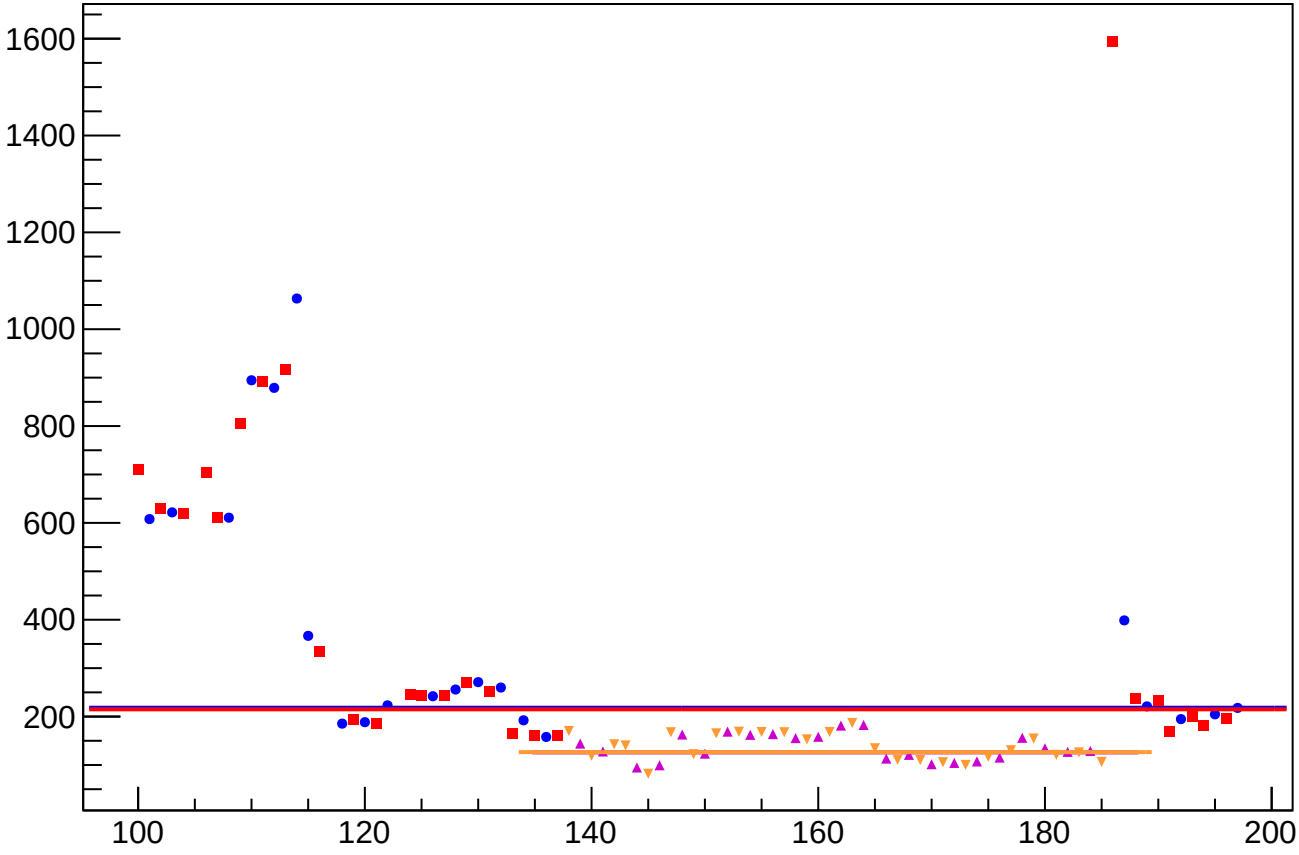
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -96.023+/-27.384 χ^2/NDF: 54.1/45

All: -67.370+/-19.466 χ^2/NDF: 110.3/94

- sign -38.100+/-27.677 χ^2/NDF: 54.0/48

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 218.312+/-0.051 χ^2/NDF: 3087116.0/20

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 214.995+/-0.049 χ^2/NDF: 4340165.2/25

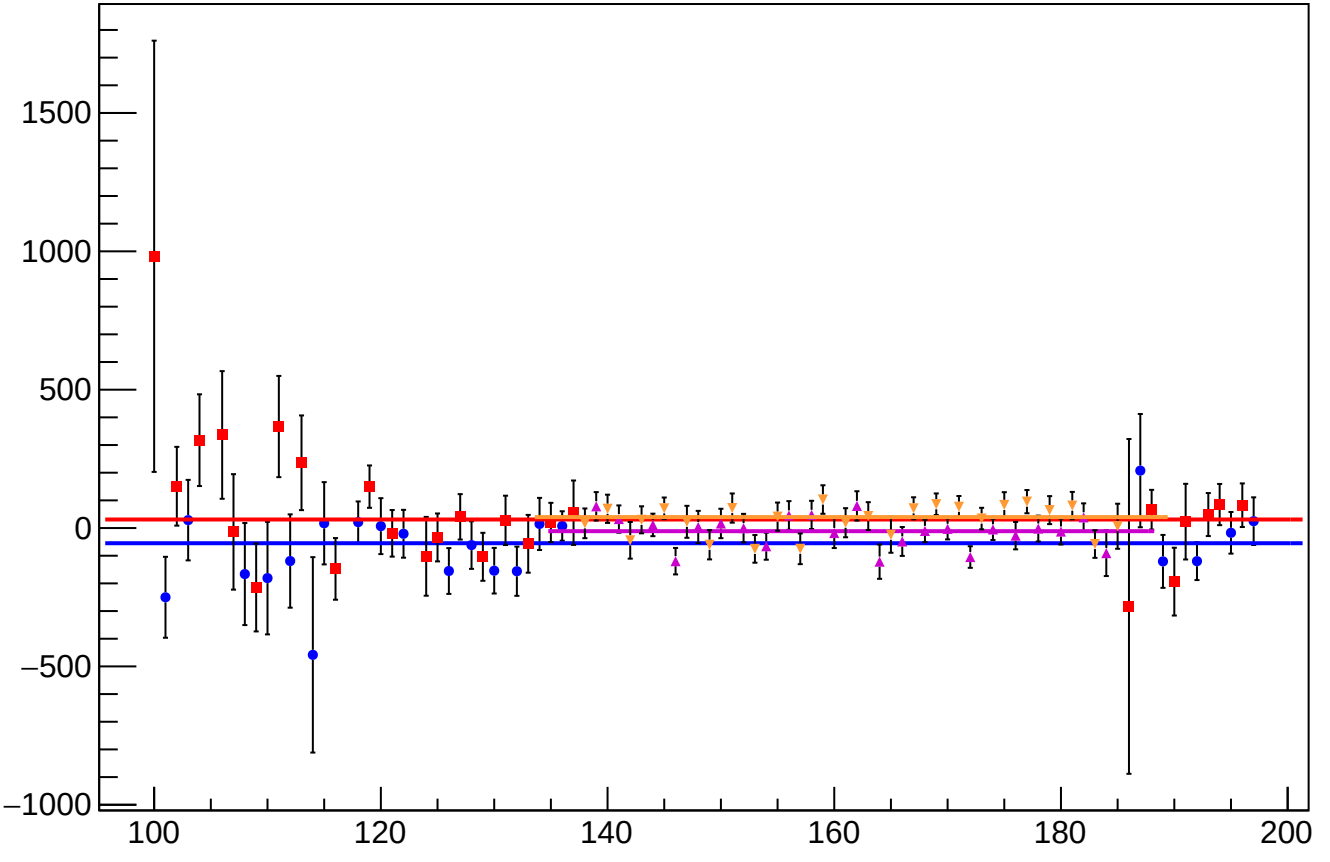
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 139.590+/-0.019 χ^2/NDF: 7580816.3/45

All: 139.886+/-0.014 χ^2/NDF: 16100658.1/94

- sign 140.188+/-0.020 χ^2/NDF: 8519369.7/48

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -54.847+/-20.731 χ^2/NDF: 16.4/20

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 30.882+/-20.396 χ^2/NDF: 29.1/25

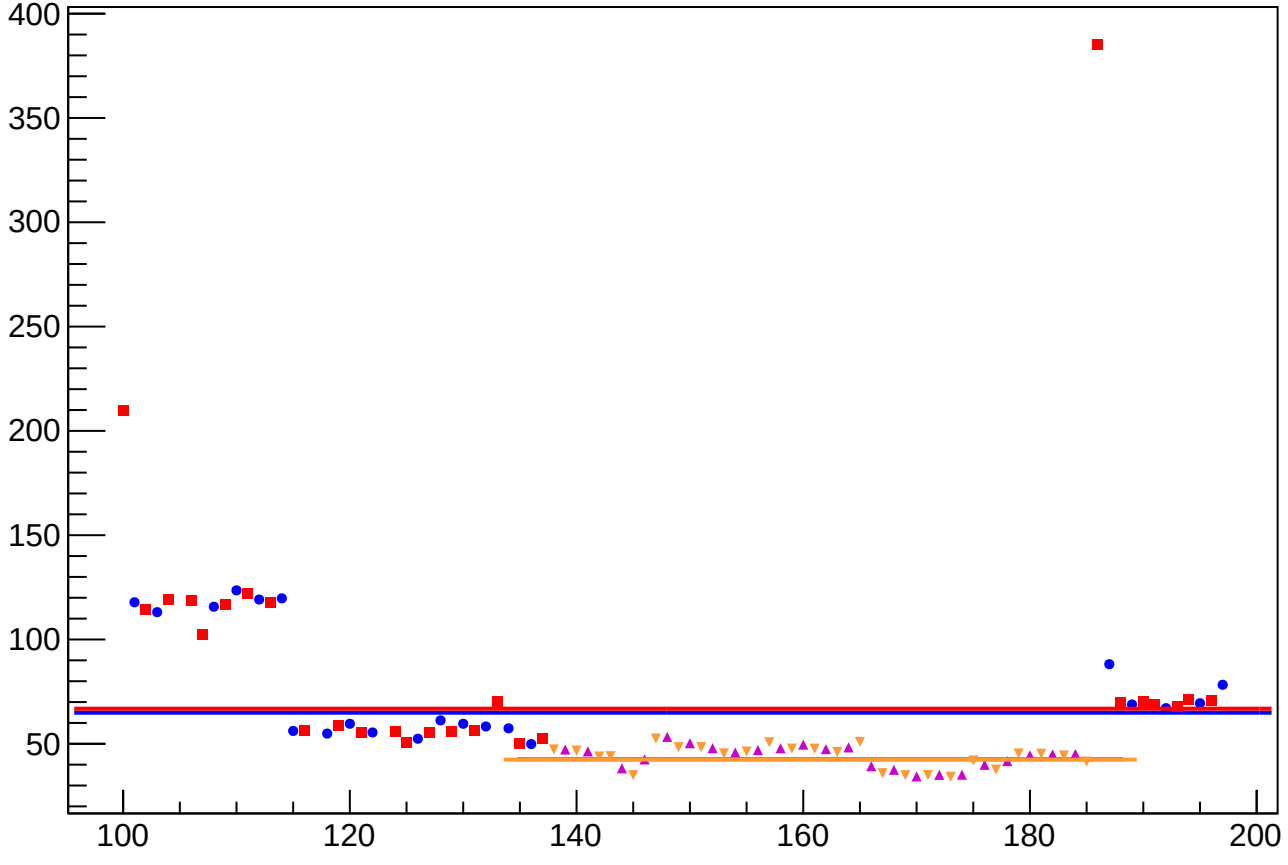
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 22.477+/-8.819 χ^2/NDF: 63.0/45

All: 10.032+/-6.311 χ^2/NDF: 127.5/94

- sign -3.028+/-9.034 χ^2/NDF: 60.4/48

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 64.911+/-0.015 χ^2/NDF: 1454838.9/20

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 66.835+/-0.014 χ^2/NDF: 2176964.3/25

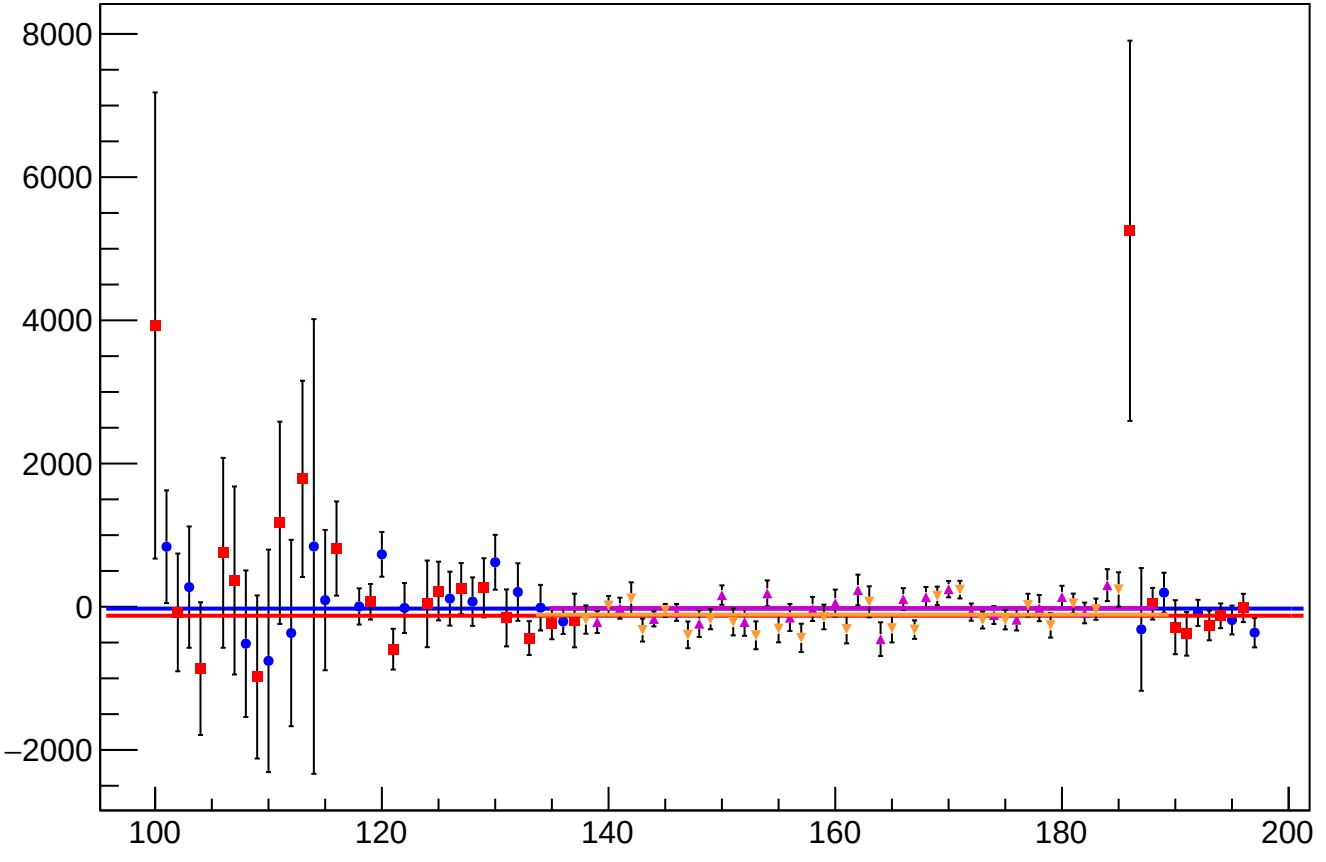
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 46.495+/-0.006 χ^2/NDF: 4080499.5/45

All: 46.907+/-0.004 χ^2/NDF: 9130079.8/94

- sign 47.338+/-0.006 χ^2/NDF: 5040663.5/48

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -25.856+/-69.928 χ^2/NDF: 16.5/20

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -125.171+/-65.593 χ^2/NDF: 22.6/25

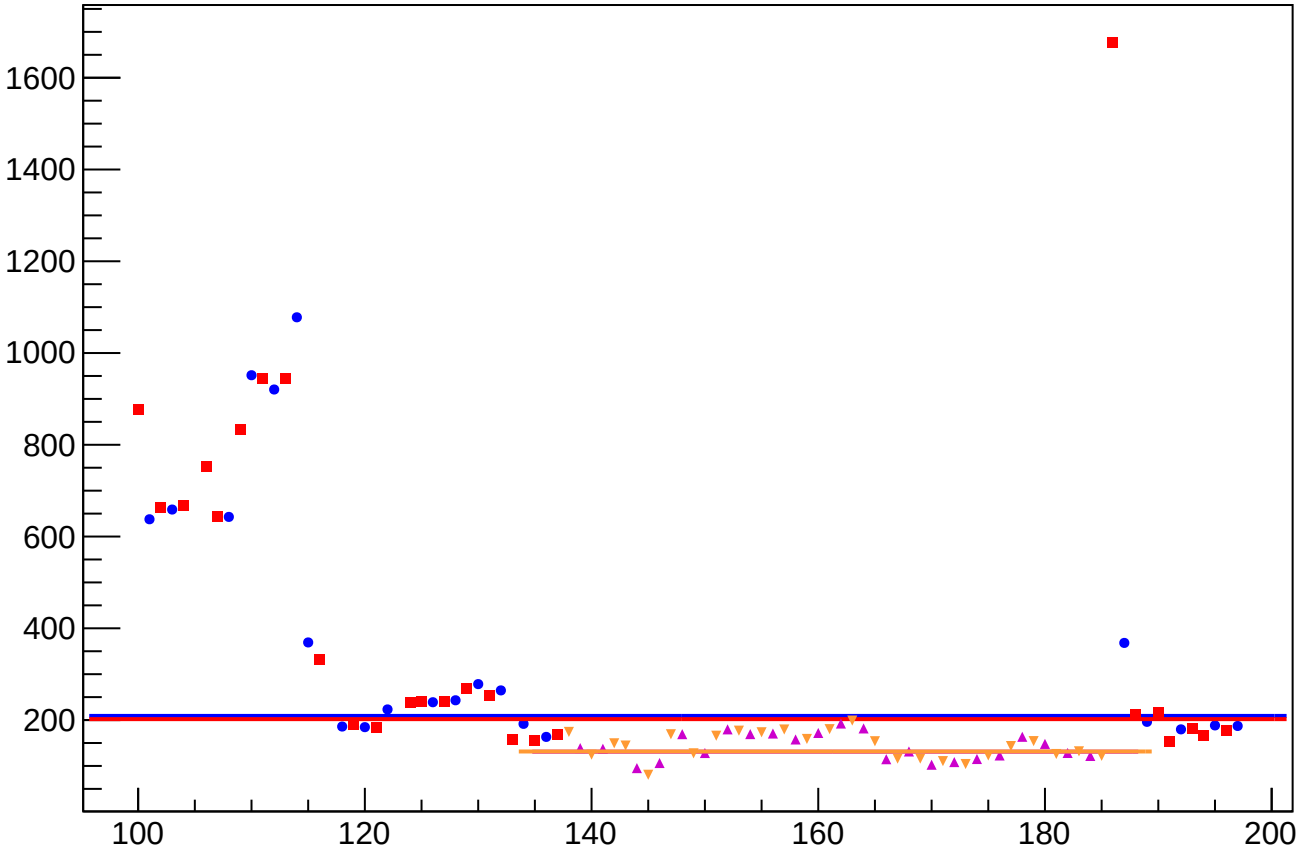
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -96.250+/-28.155 χ^2/NDF: 54.0/45

All: -67.722+/-19.987 χ^2/NDF: 108.0/94

- sign -38.741+/-28.378 χ^2/NDF: 52.0/48

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 209.035+/-0.049 χ^2/NDF: 3256141.7/20

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 202.021+/-0.046 χ^2/NDF: 4754084.1/25

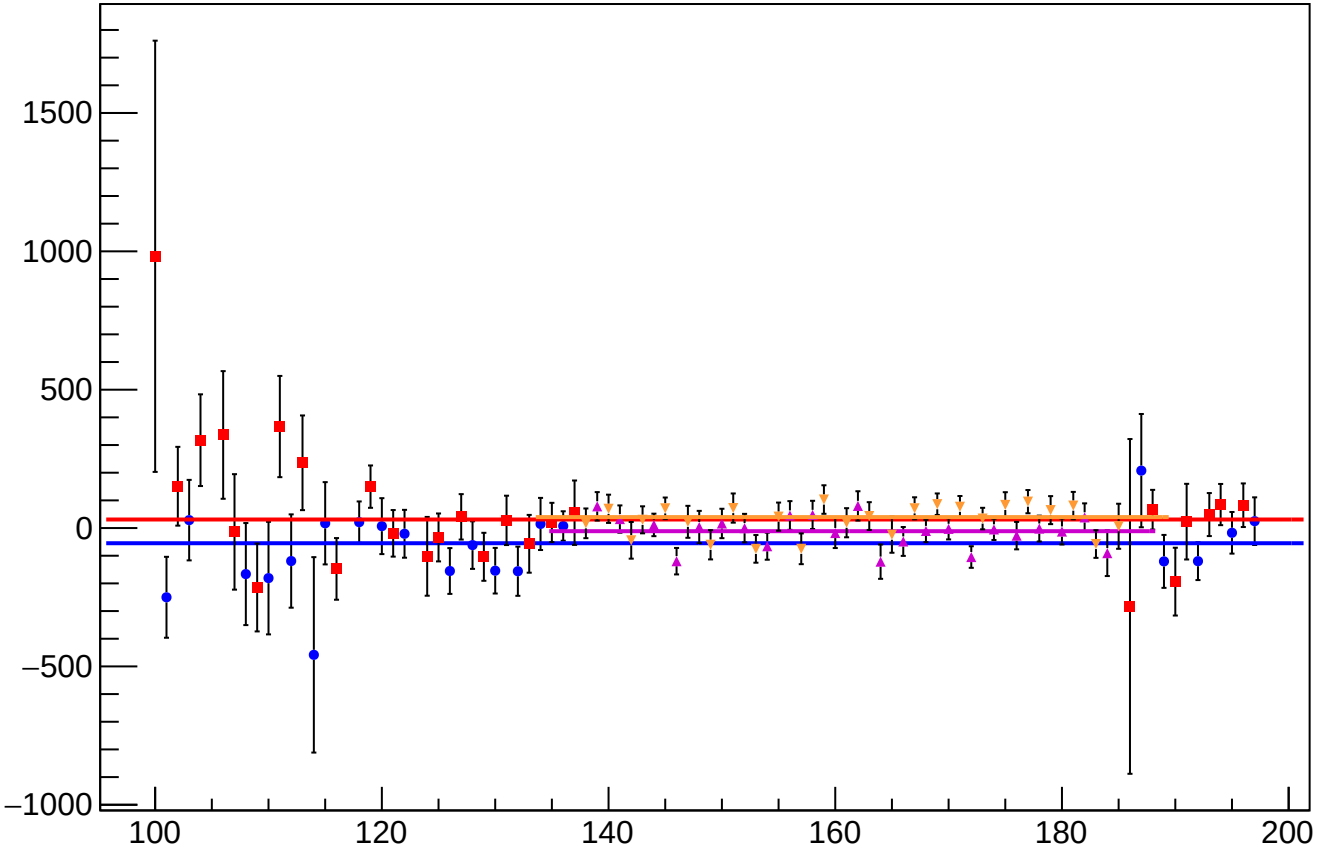
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 144.082+/-0.020 χ^2/NDF: 7218528.3/45

All: 144.217+/-0.014 χ^2/NDF: 15342413.2/94

- sign 144.354+/-0.020 χ^2/NDF: 8123792.6/48

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -54.848+/-20.731 χ^2/NDF: 16.4/20

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 30.883+/-20.396 χ^2/NDF: 29.1/25

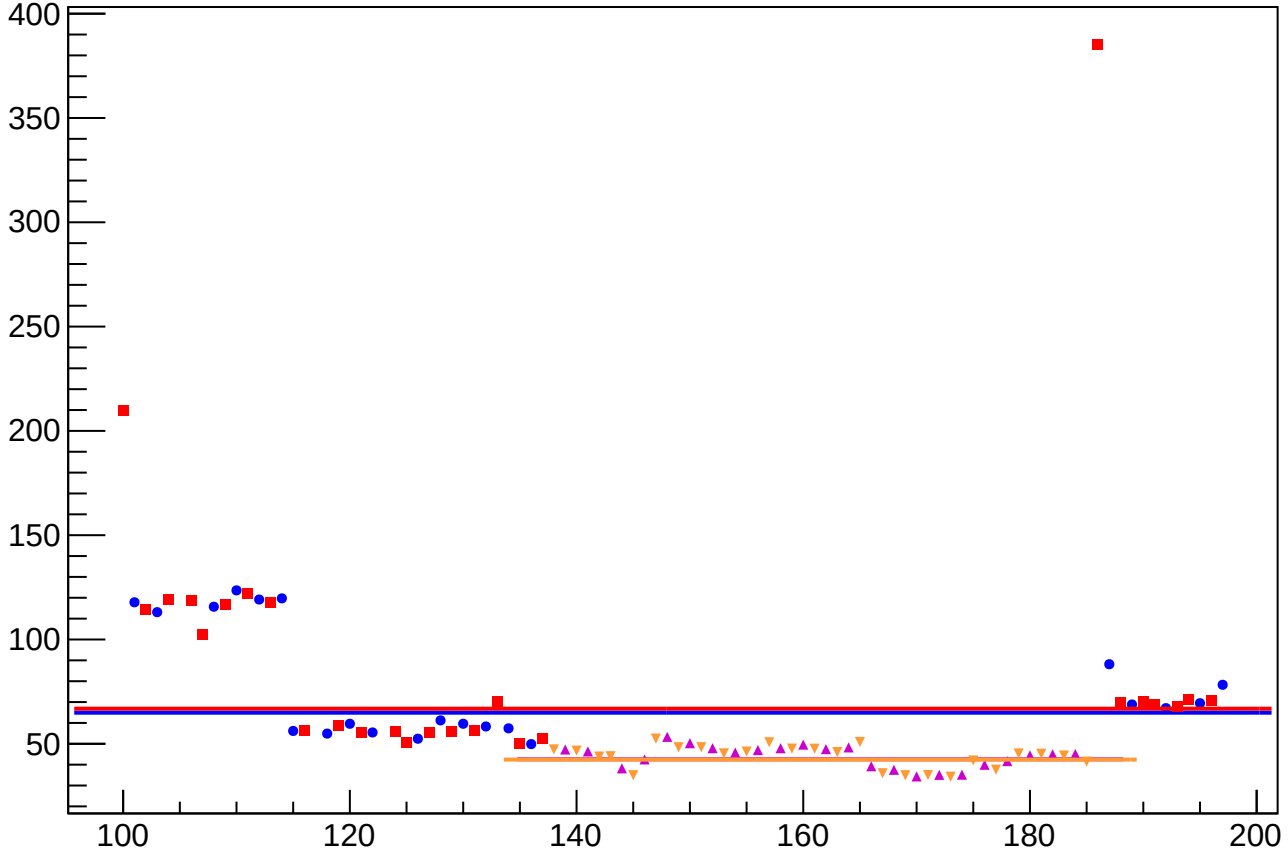
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 22.478+/-8.819 χ^2/NDF: 63.0/45

All: 10.032+/-6.311 χ^2/NDF: 127.5/94

- sign -3.028+/-9.035 χ^2/NDF: 60.4/48

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 64.911+/-0.015 χ^2/NDF: 1454840.2/20

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

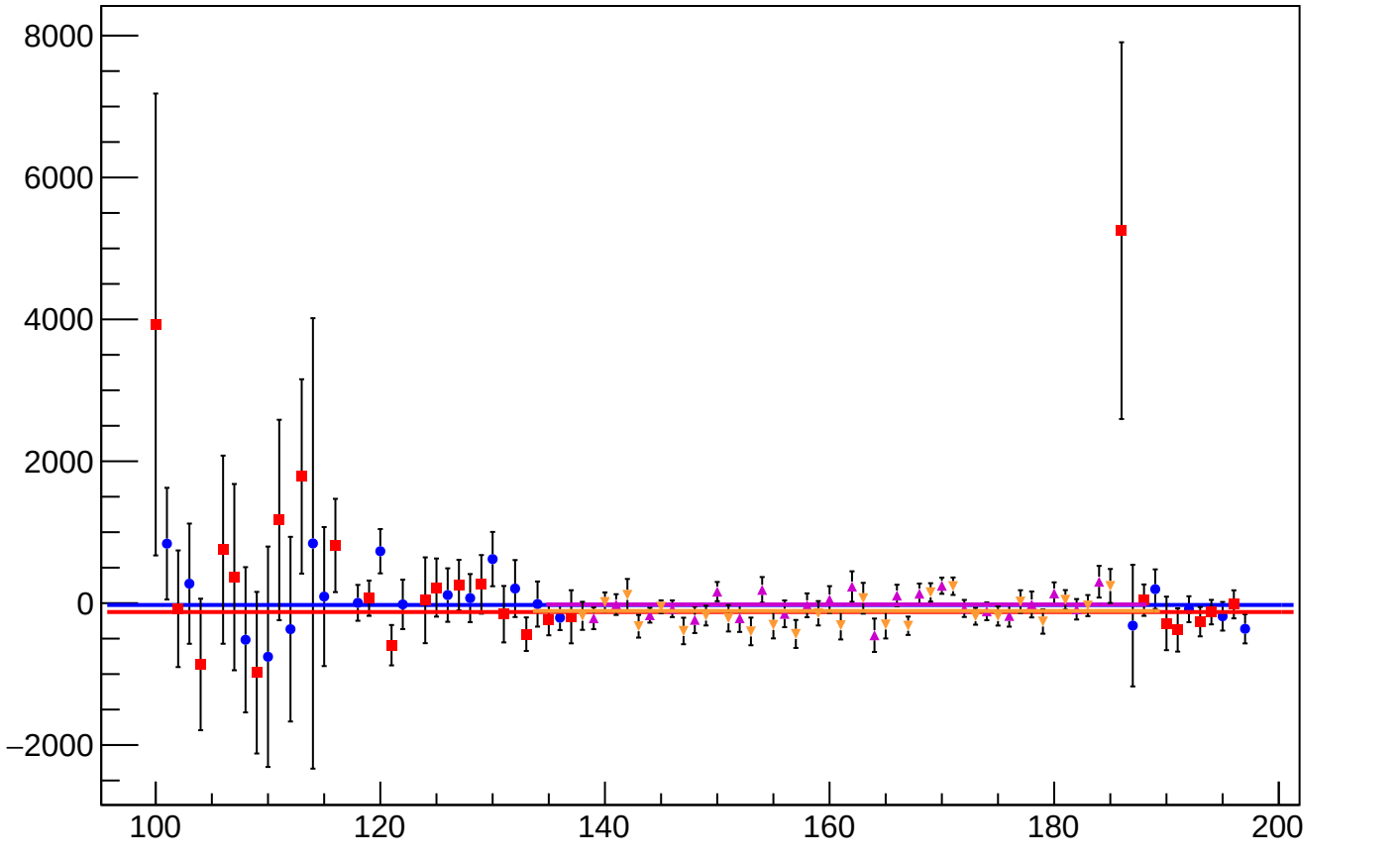
Right Out: 66.836+/-0.014 χ^2/NDF: 2176958.2/25

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 46.495+/-0.006 χ^2/NDF: 4080494.8/45

All: 46.907+/-0.004 χ^2/NDF: 9130063.4/94

- sign 47.339+/-0.006 χ^2/NDF: 5040649.7/48



Right In: -25.855+/-69.928 χ^2/NDF: 16.5/20

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

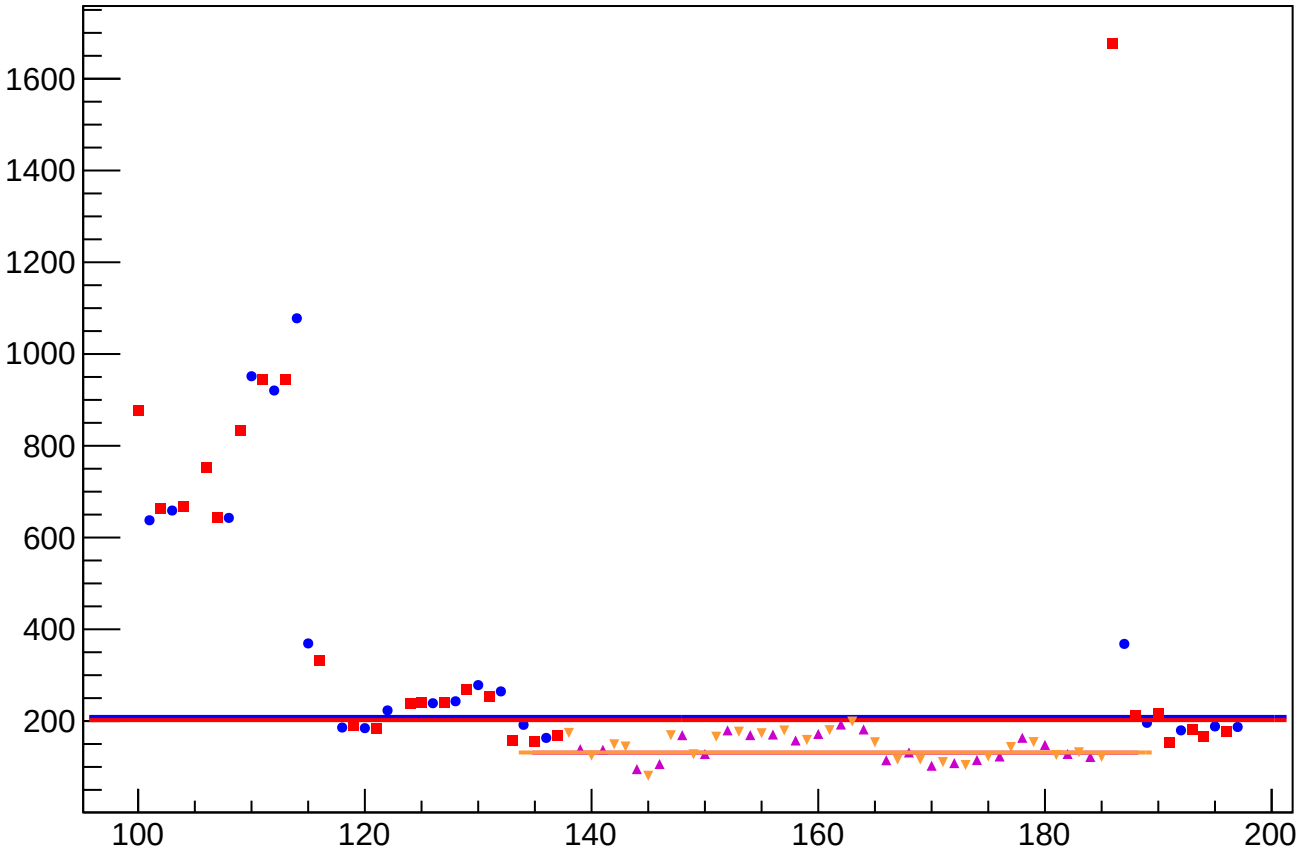
Right Out: -125.169+/-65.592 χ^2/NDF: 22.6/25

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -96.249+/-28.155 χ^2/NDF: 54.0/45

All: -67.722+/-19.987 χ^2/NDF: 108.0/94

- sign -38.741+/-28.378 χ^2/NDF: 52.0/48



Right In: 209.035+/-0.049 χ^2/NDF: 3256137.1/20

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 202.021+/-0.046 χ^2/NDF: 4754084.0/25

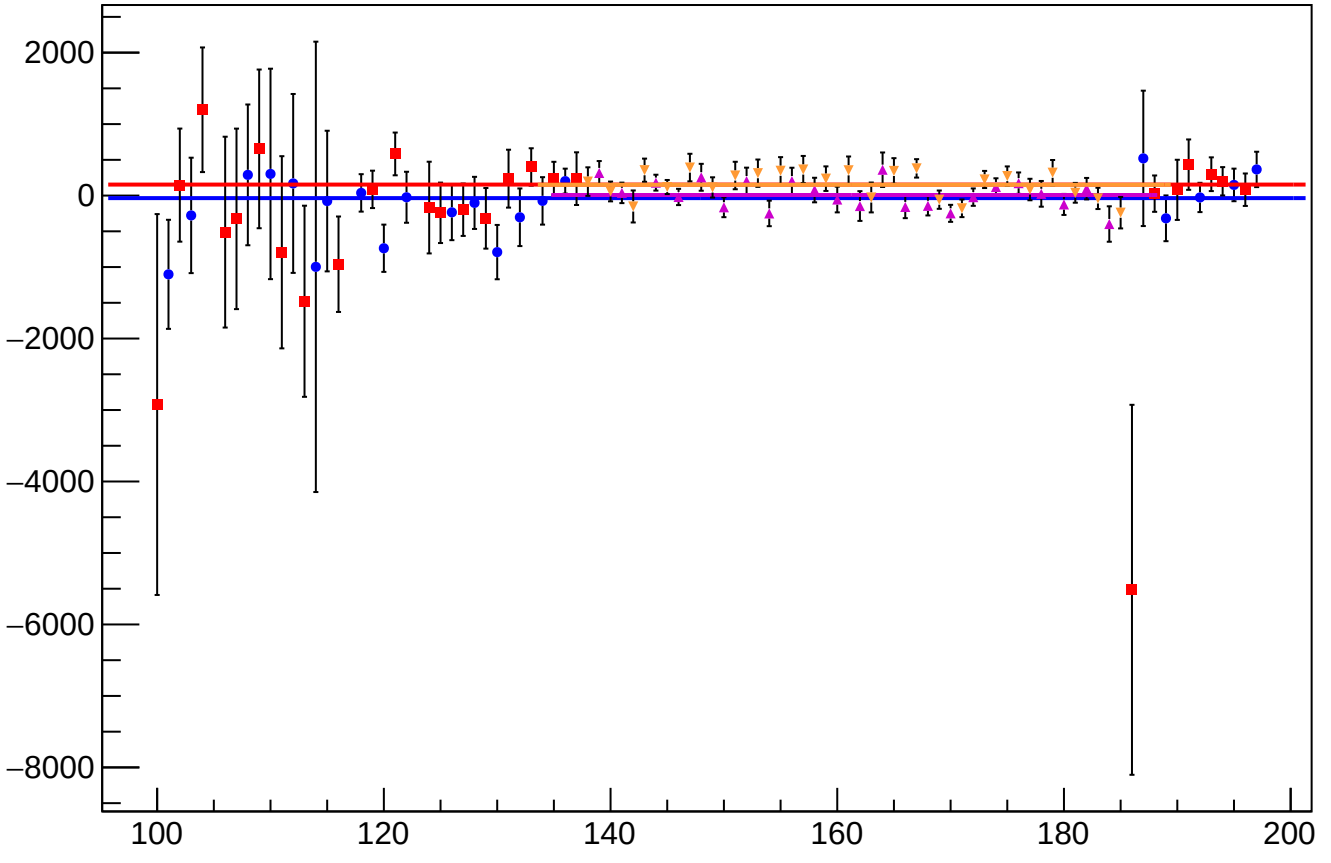
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 144.082+/-0.020 χ^2/NDF: 7218481.1/45

All: 144.217+/-0.014 χ^2/NDF: 15342340.3/94

- sign 144.354+/-0.020 χ^2/NDF: 8123766.8/48

asym_sam_37_26_dd_mean vs Slug



Right In: -35.521+/-75.046 χ^2/NDF: 17.9/20

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 153.862+/-71.827 χ^2/NDF: 20.9/25

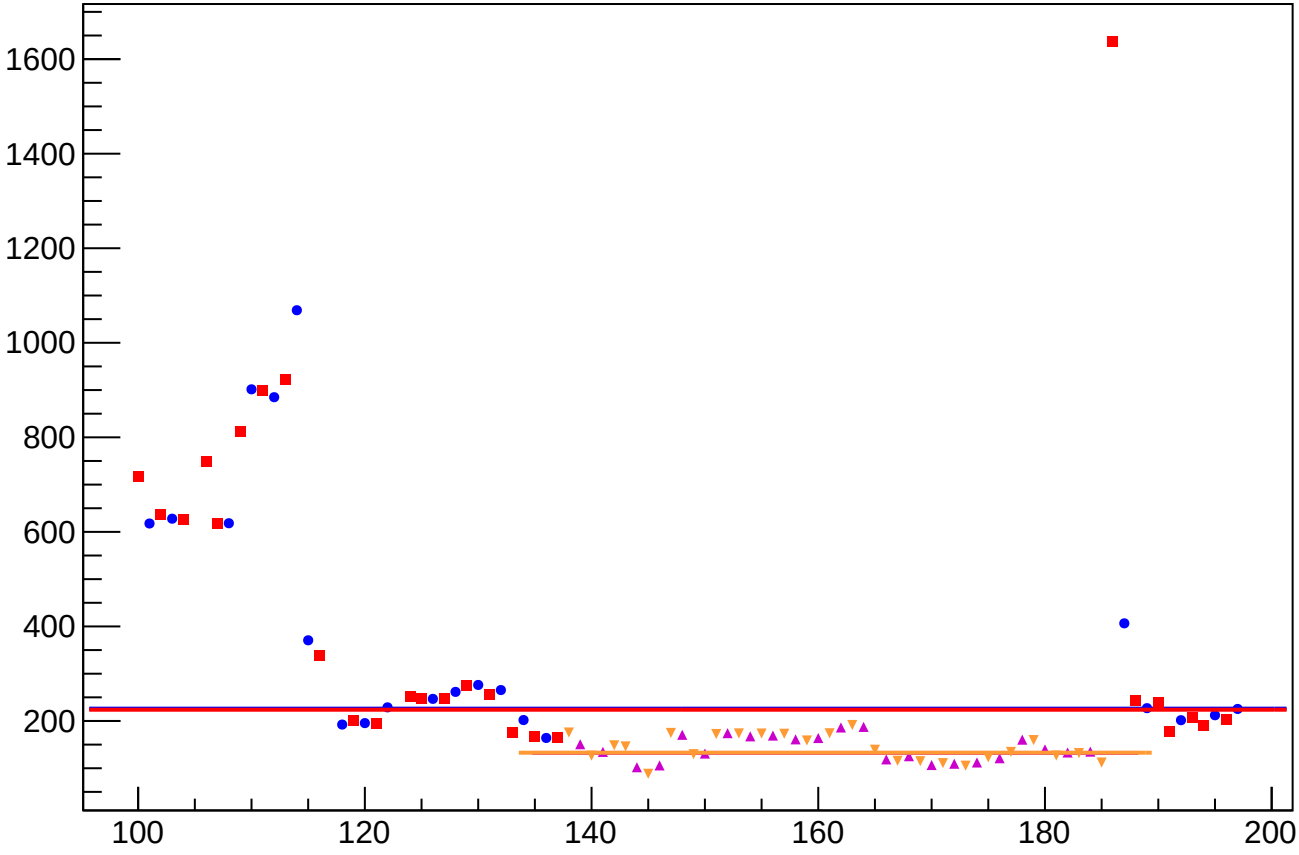
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 123.977+/-28.614 χ^2/NDF: 56.2/45

All: 78.329+/-20.348 χ^2/NDF: 115.2/94

- sign 31.631+/-28.941 χ^2/NDF: 53.8/48

asym_sam_37_26_dd_rms vs Slug



Right In: 226.063+/-0.053 χ^2/NDF: 3001868.2/20

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

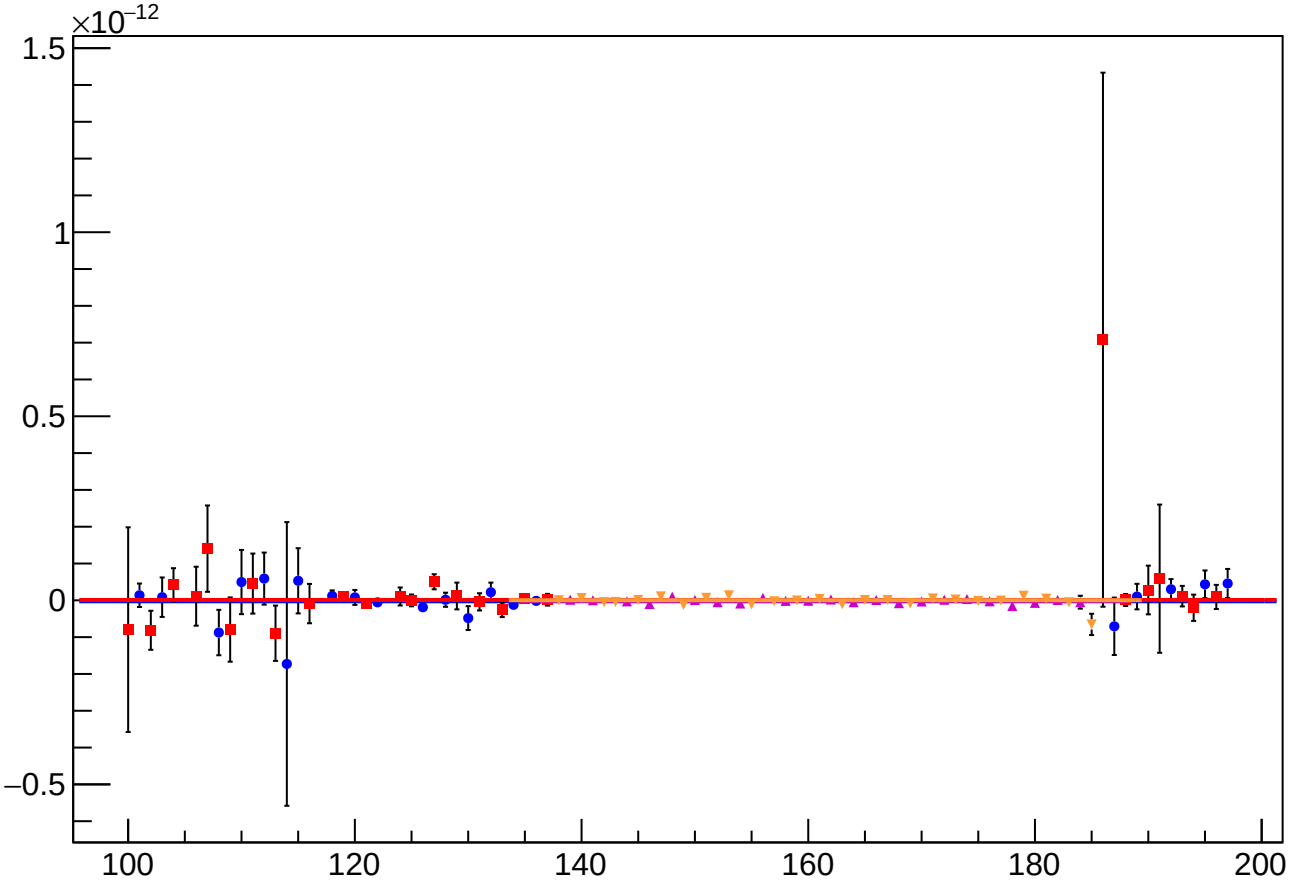
Right Out: 223.806+/-0.051 χ^2/NDF: 4283222.2/25

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 146.423+/-0.020 χ^2/NDF: 7229687.2/45

All: 146.802+/-0.014 χ^2/NDF: 15507986.2/94

- sign 147.191+/-0.020 χ^2/NDF: 8277586.7/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

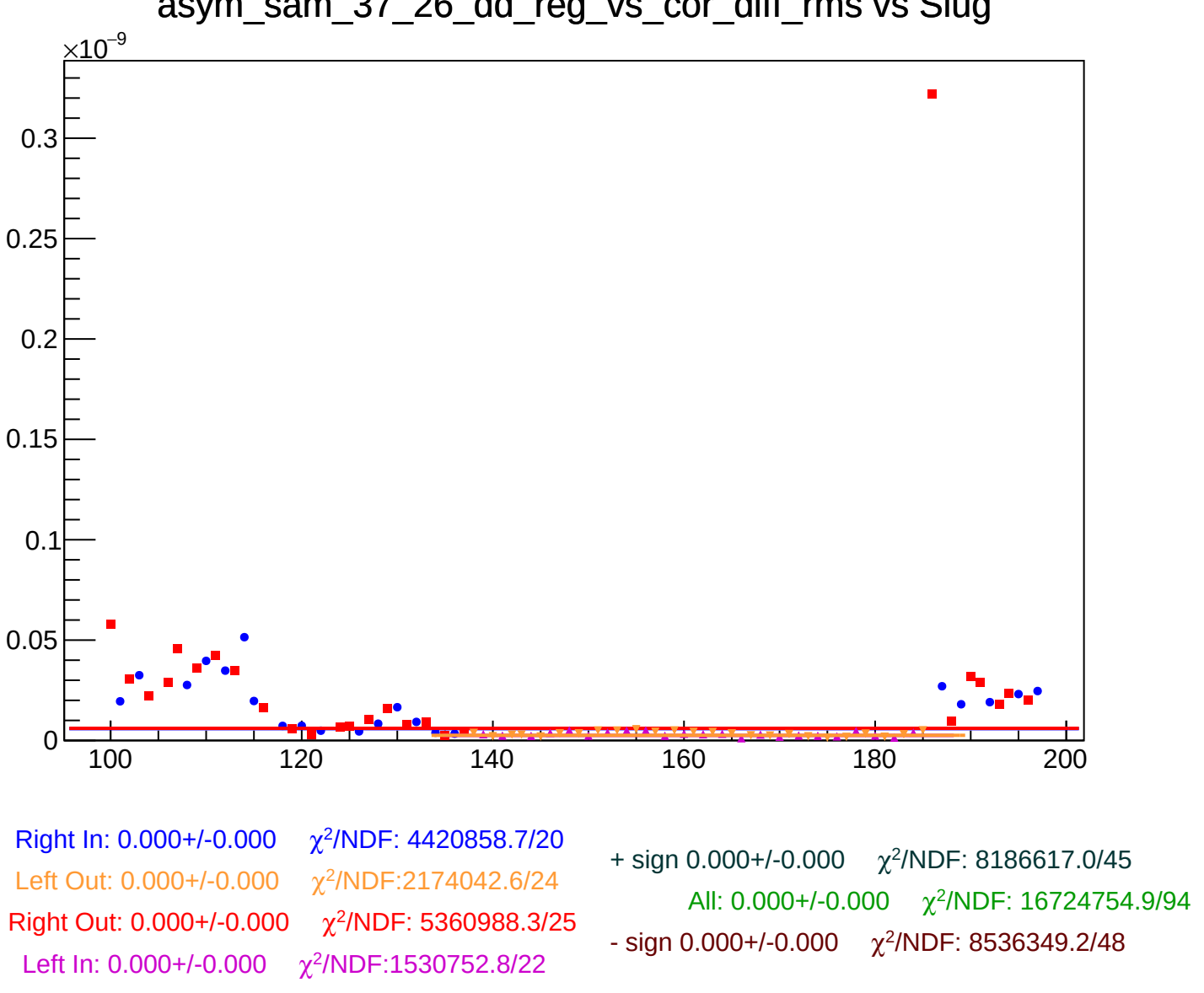
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/25

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

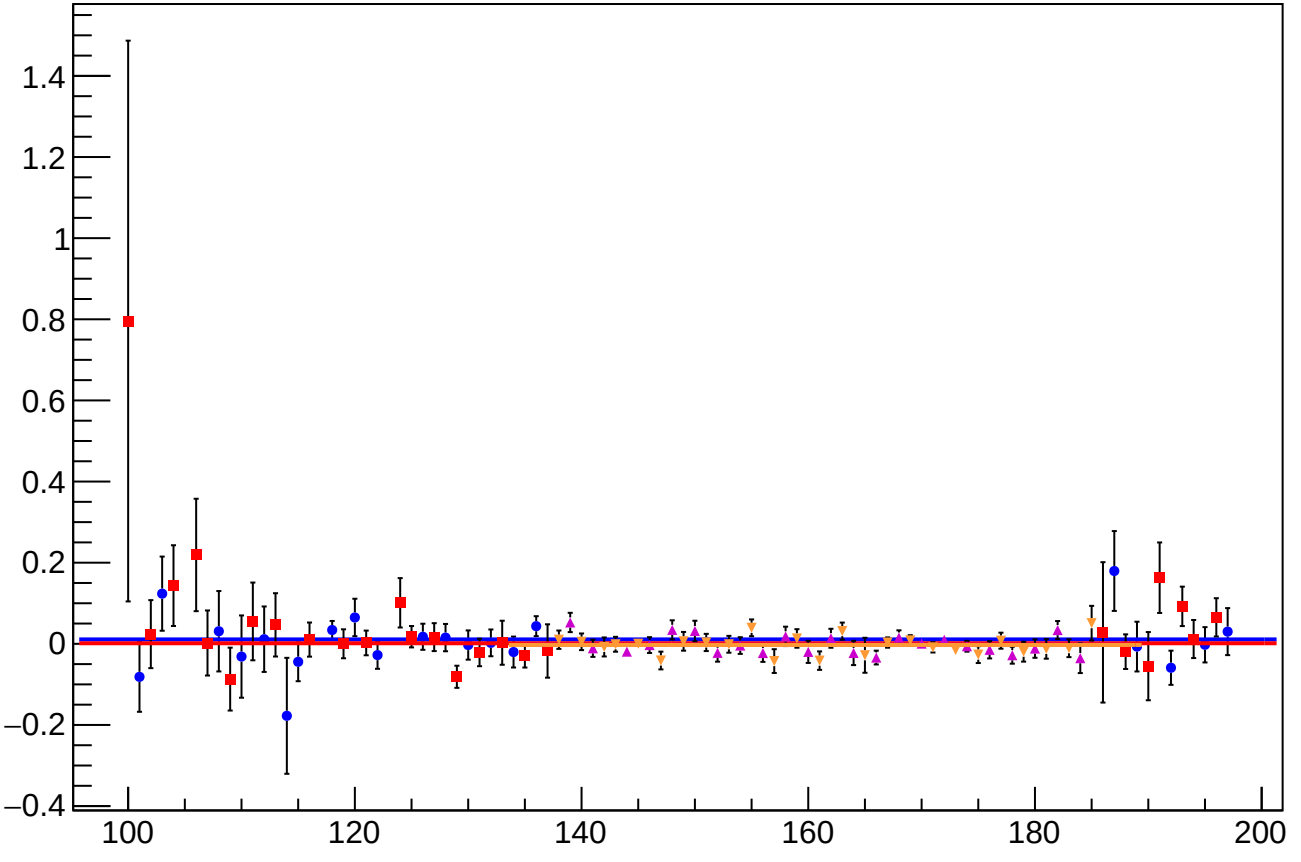
+ sign 0.000+/-0.000 χ^2/NDF: 49.6/45

All: -0.000+/-0.000 χ^2/NDF: 85.4/94

- sign -0.000+/-0.000 χ^2/NDF: 35.1/48


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: 4420858.7/20
Left Out: 0.000+/-0.000 χ²/NDF:2174042.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5360988.3/25
Left In: 0.000+/-0.000 χ²/NDF:1530752.8/22
+ sign 0.000+/-0.000 χ²/NDF: 8186617.0/45
All: 0.000+/-0.000 χ²/NDF: 16724754.9/94
- sign 0.000+/-0.000 χ²/NDF: 8536349.2/48

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.009 χ^2/NDF: 18.4/20

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.009 χ^2/NDF: 31.6/25

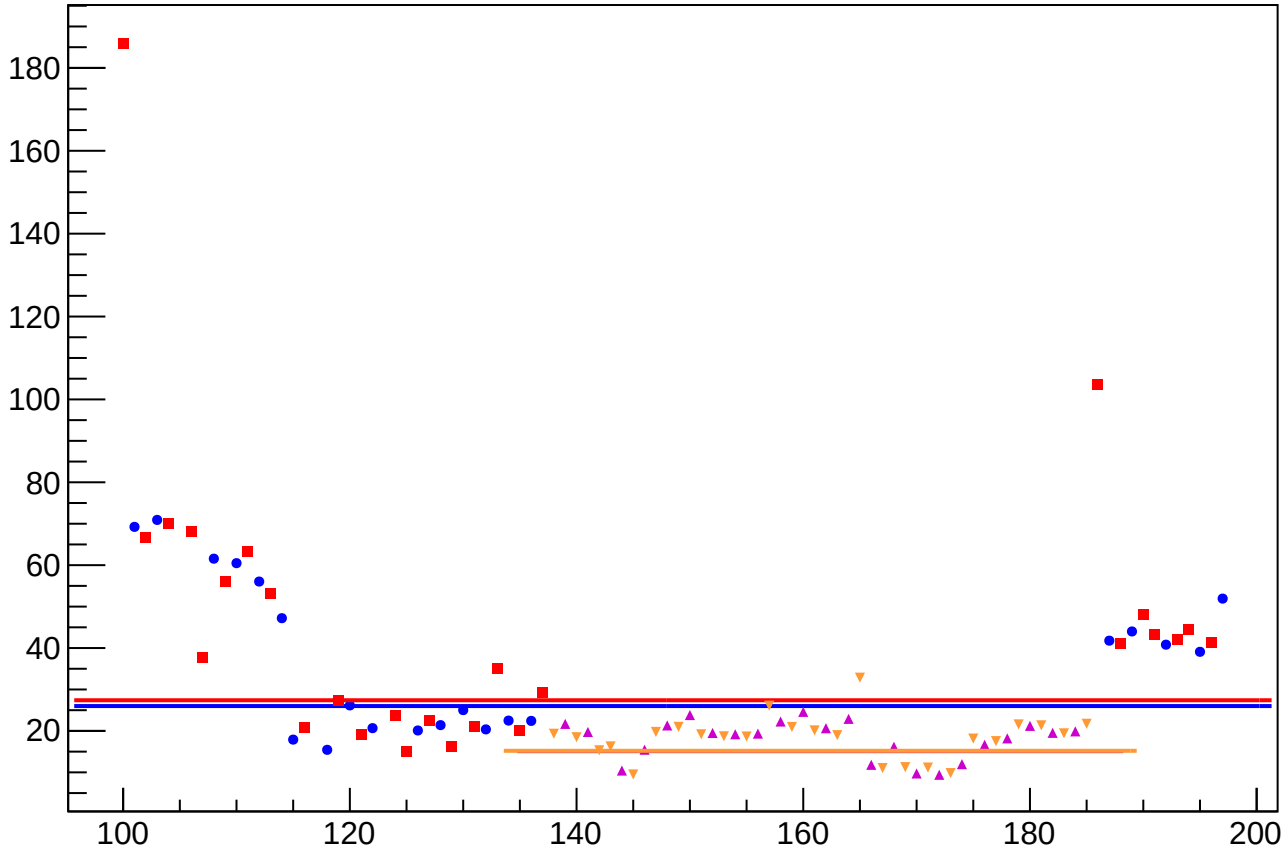
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.9/45

All: -0.001+/-0.002 χ^2/NDF: 101.6/94

- sign -0.002+/-0.004 χ^2/NDF: 58.6/48

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.996+/-0.006 χ^2/NDF: 3627282.0/20

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

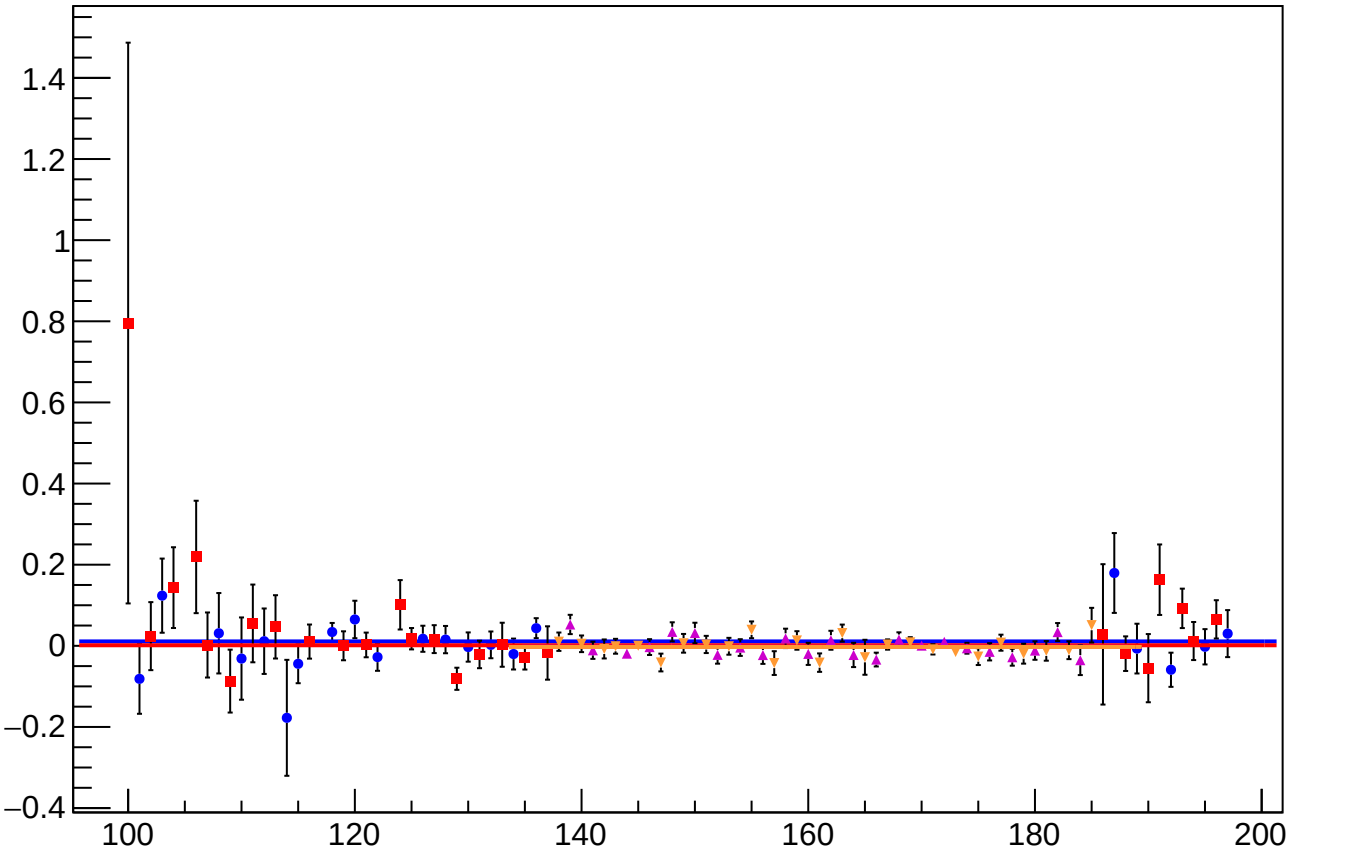
Right Out: 27.400+/-0.006 χ^2/NDF: 4551345.9/25

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.736+/-0.002 χ^2/NDF: 9482914.5/45

All: 16.844+/-0.002 χ^2/NDF: 20531775.3/94

- sign 16.958+/-0.002 χ^2/NDF: 11044815.3/48



Right In: 0.011+/-0.009 χ^2/NDF: 18.4/20

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

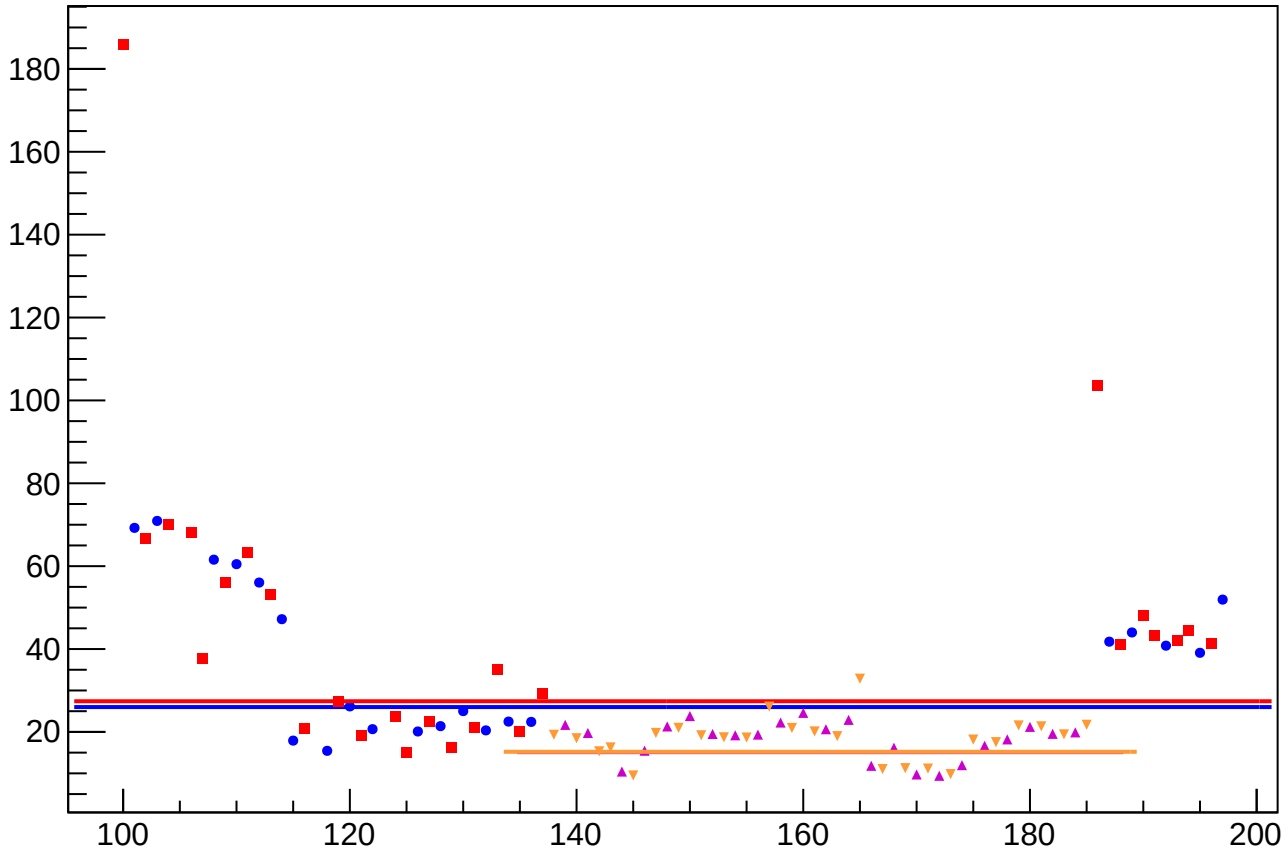
Right Out: 0.001+/-0.009 χ^2/NDF: 31.6/25

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.9/45

All: -0.001+/-0.002 χ^2/NDF: 101.6/94

- sign -0.002+/-0.004 χ^2/NDF: 58.6/48



Right In: 25.996+/-0.006 χ^2/NDF: 3627282.0/20

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

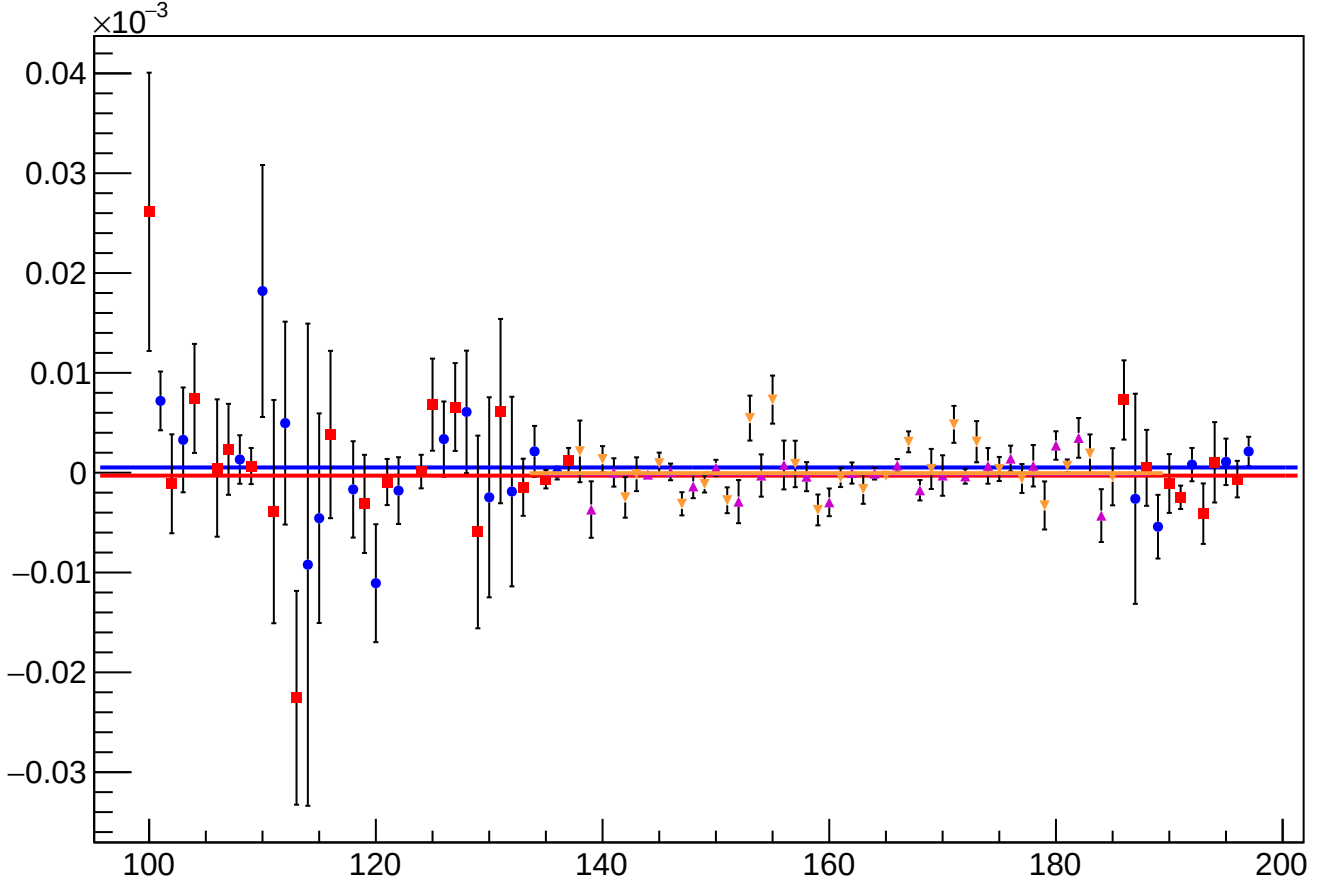
Right Out: 27.400+/-0.006 χ^2/NDF: 4551345.9/25

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.736+/-0.002 χ^2/NDF: 9482914.5/45

All: 16.844+/-0.002 χ^2/NDF: 20531775.3/94

- sign 16.958+/-0.002 χ^2/NDF: 11044815.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/20

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

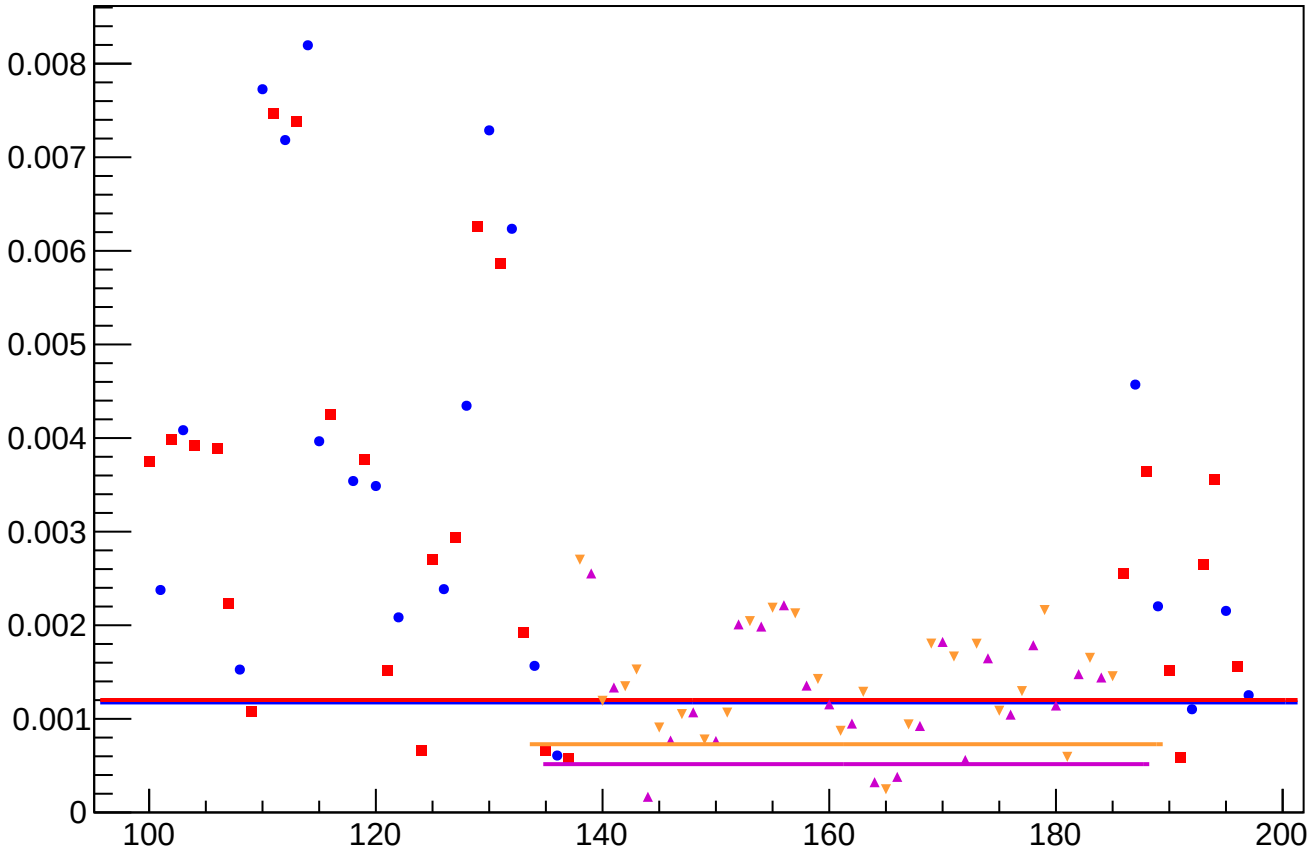
Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/25

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 84.1/45

All: -0.000+/-0.000 χ^2/NDF: 137.9/94

- sign -0.000+/-0.000 χ^2/NDF: 53.2/48



Right In: 0.001+/-0.000 χ^2/NDF: 7889195.1/20

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

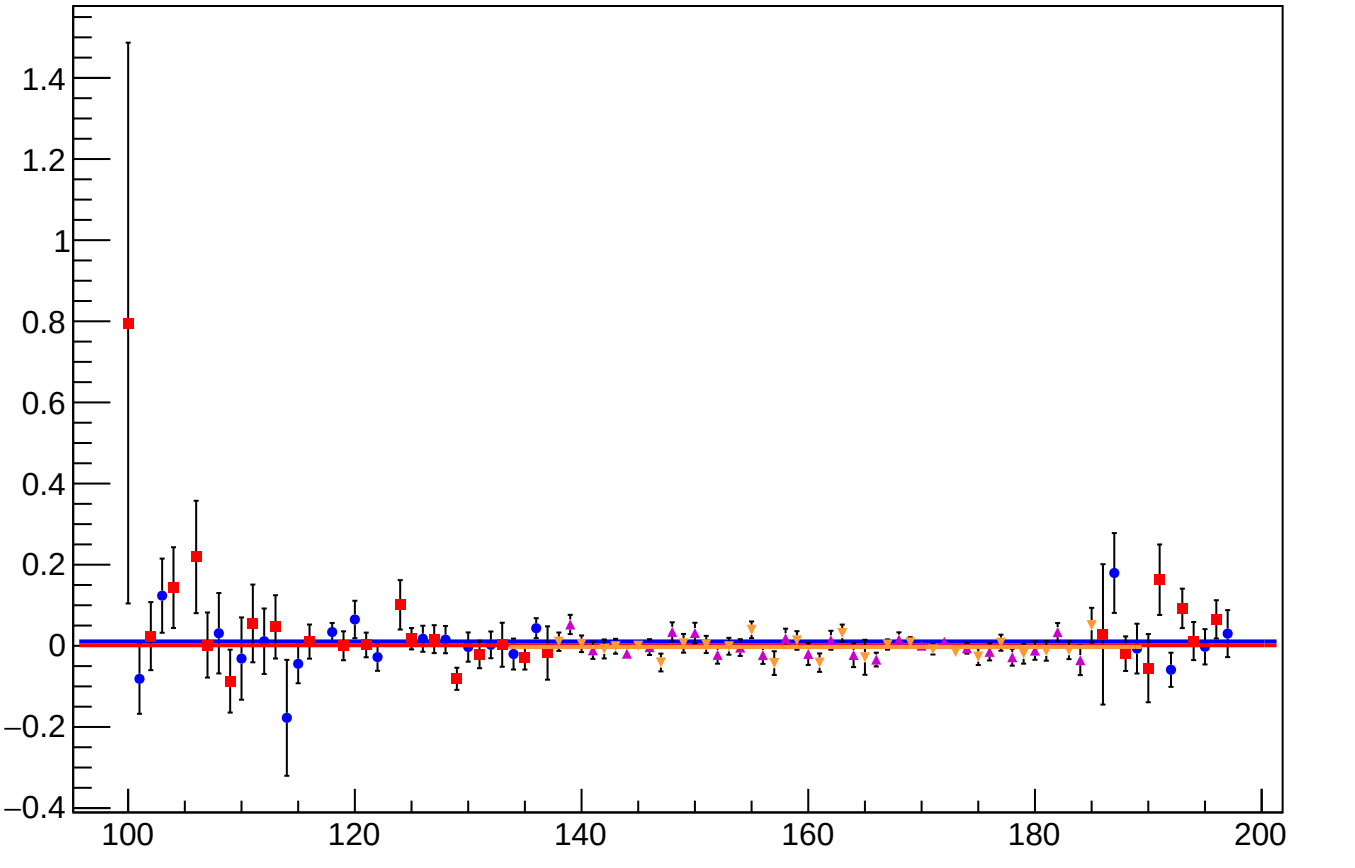
Right Out: 0.001+/-0.000 χ^2/NDF: 9682085.2/25

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

\+ sign 0.001+/-0.000 χ^2/NDF: 22450969.8/45

All: 0.001+/-0.000 χ^2/NDF: 52155596.3/94

\- sign 0.001+/-0.000 χ^2/NDF: 28455731.8/48



Right In: 0.011+/-0.009 χ^2/NDF: 18.4/20

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

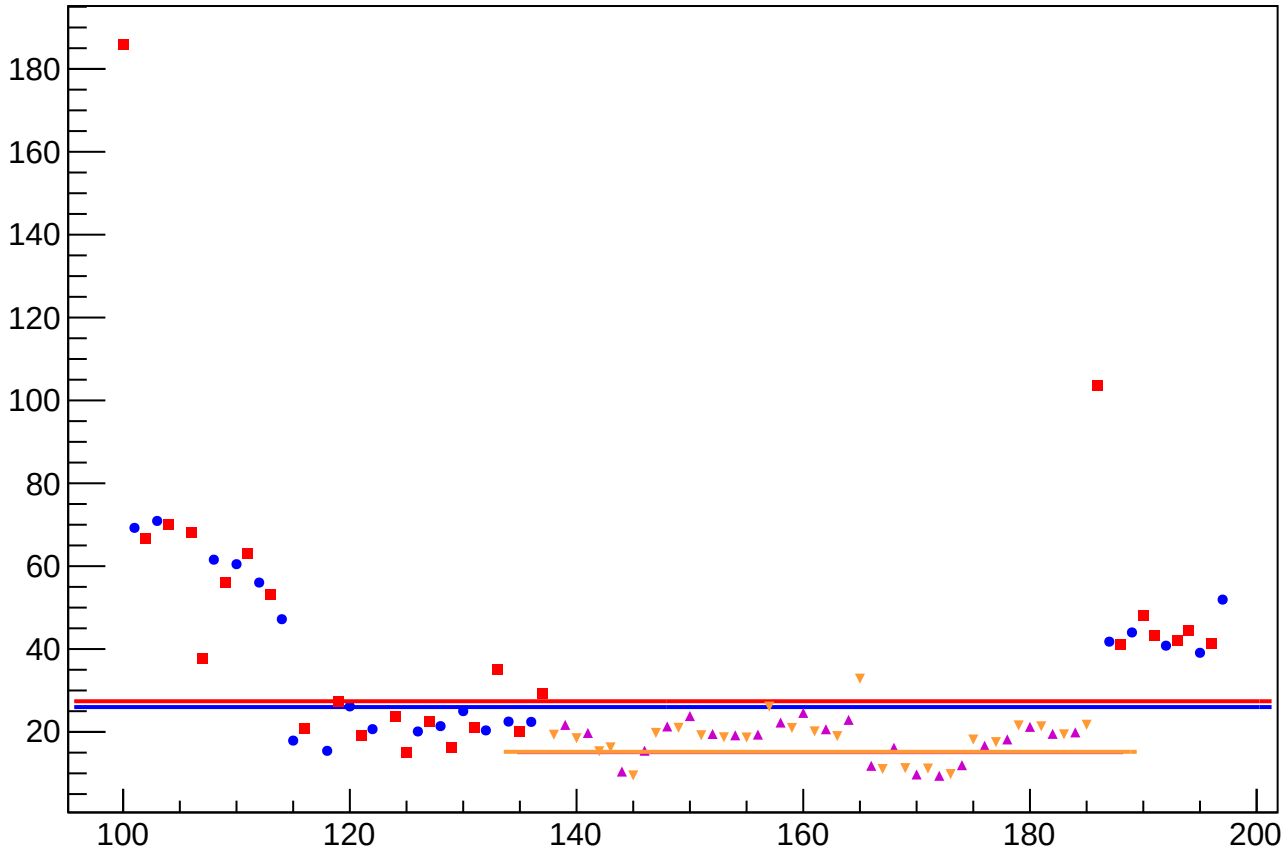
Right Out: 0.001+/-0.009 χ^2/NDF: 31.6/25

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.9/45

All: -0.001+/-0.002 χ^2/NDF: 101.6/94

- sign -0.002+/-0.004 χ^2/NDF: 58.7/48



Right In: 25.995+/-0.006 χ^2/NDF: 3627546.8/20

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

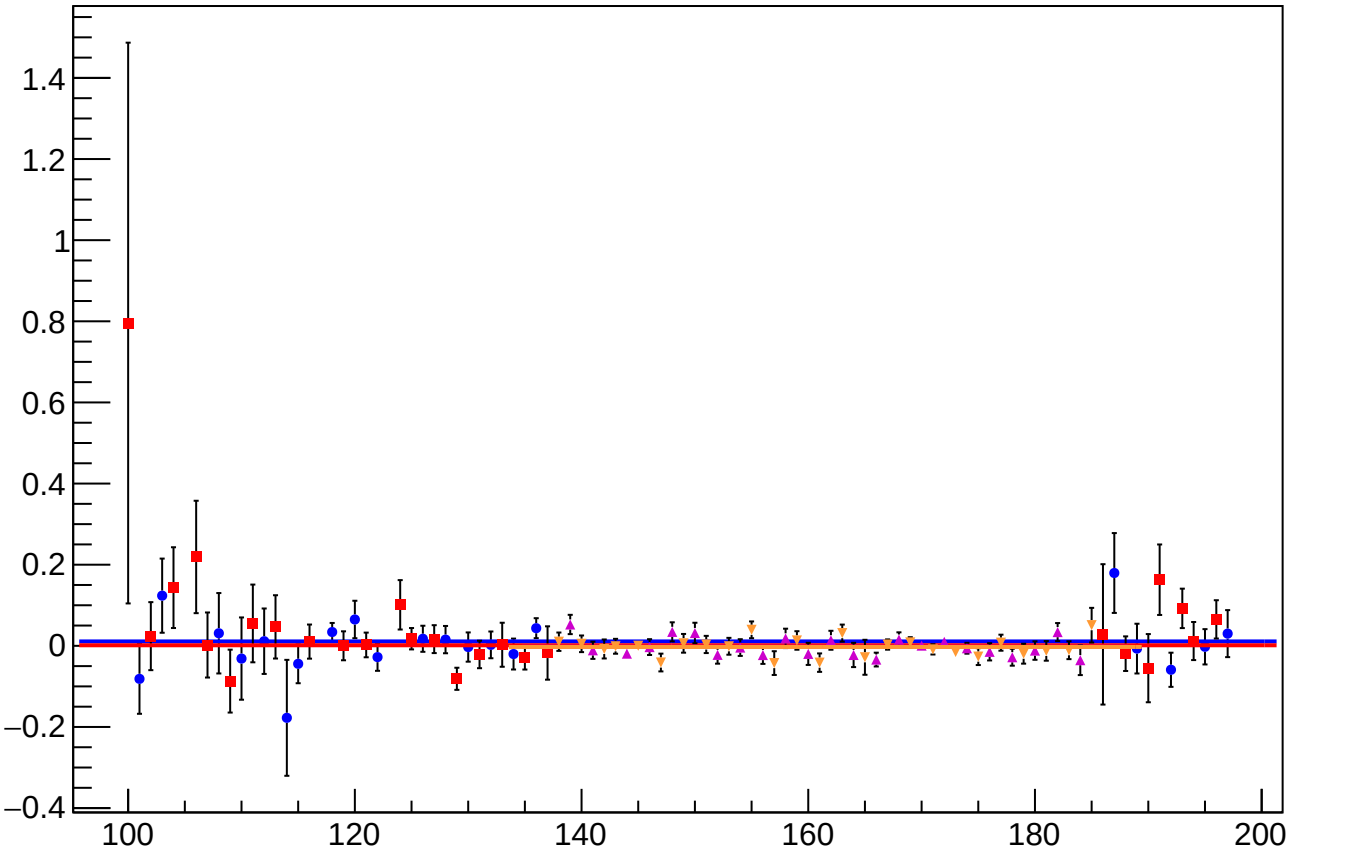
Right Out: 27.399+/-0.006 χ^2/NDF: 4551504.3/25

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.736+/-0.002 χ^2/NDF: 9482824.2/45

All: 16.844+/-0.002 χ^2/NDF: 20531627.6/94

- sign 16.958+/-0.002 χ^2/NDF: 11044754.2/48



Right In: 0.011+/-0.009 χ^2/NDF: 18.4/20

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

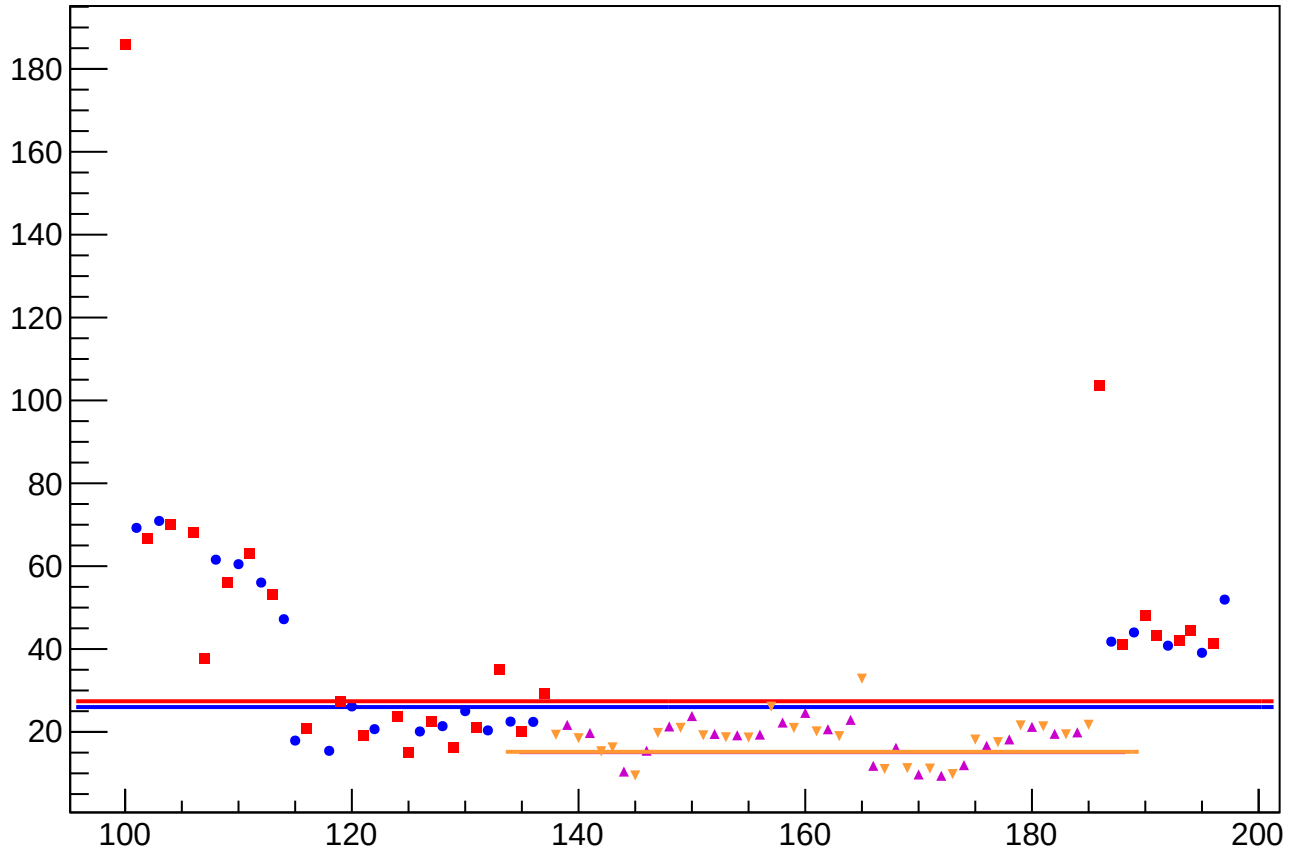
Right Out: 0.001+/-0.009 χ^2/NDF: 31.6/25

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.9/45

All: -0.001+/-0.002 χ^2/NDF: 101.6/94

- sign -0.002+/-0.004 χ^2/NDF: 58.7/48



Right In: 25.995+/-0.006 χ^2/NDF: 3627546.8/20

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

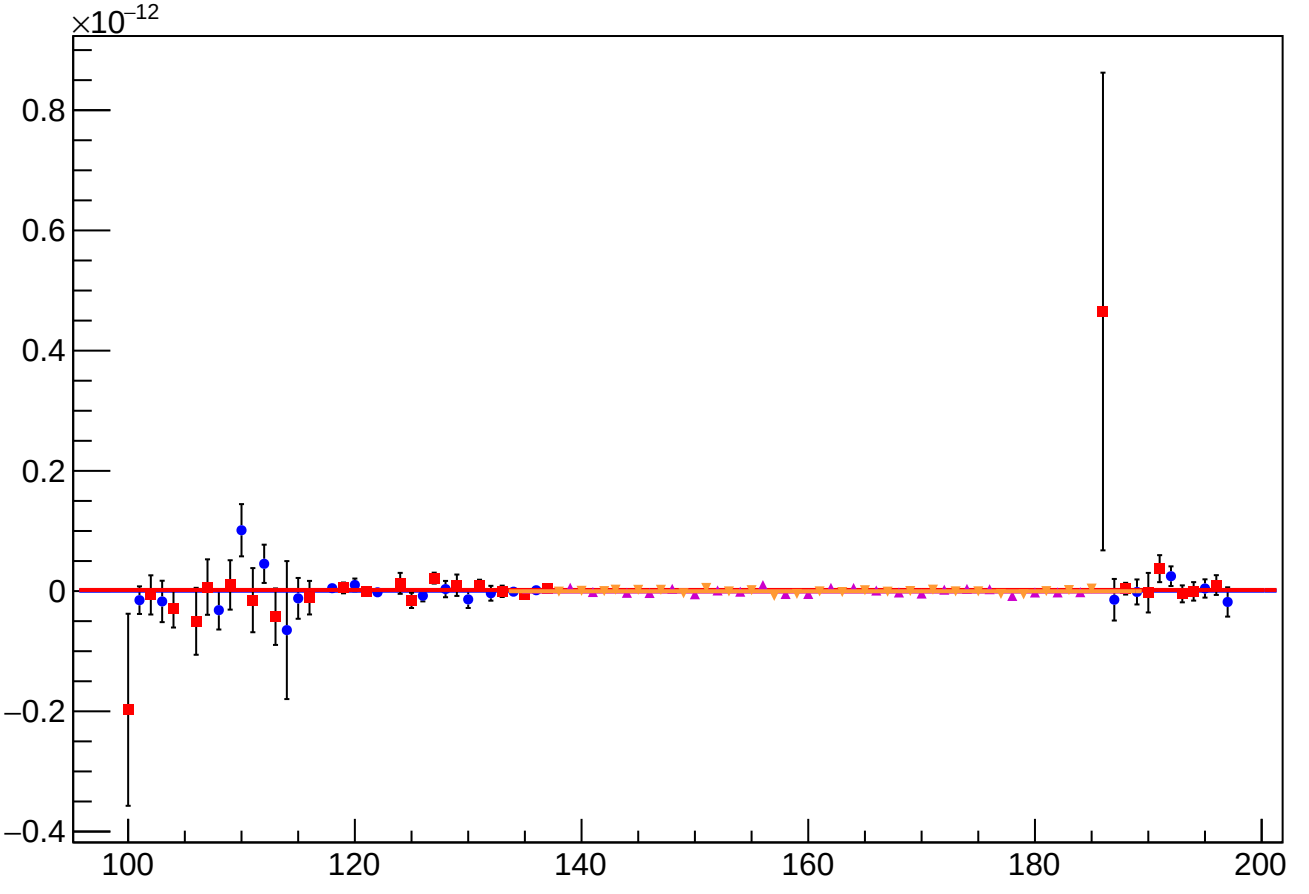
Right Out: 27.399+/-0.006 χ^2/NDF: 4551504.3/25

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.736+/-0.002 χ^2/NDF: 9482824.2/45

All: 16.844+/-0.002 χ^2/NDF: 20531627.6/94

- sign 16.958+/-0.002 χ^2/NDF: 11044754.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

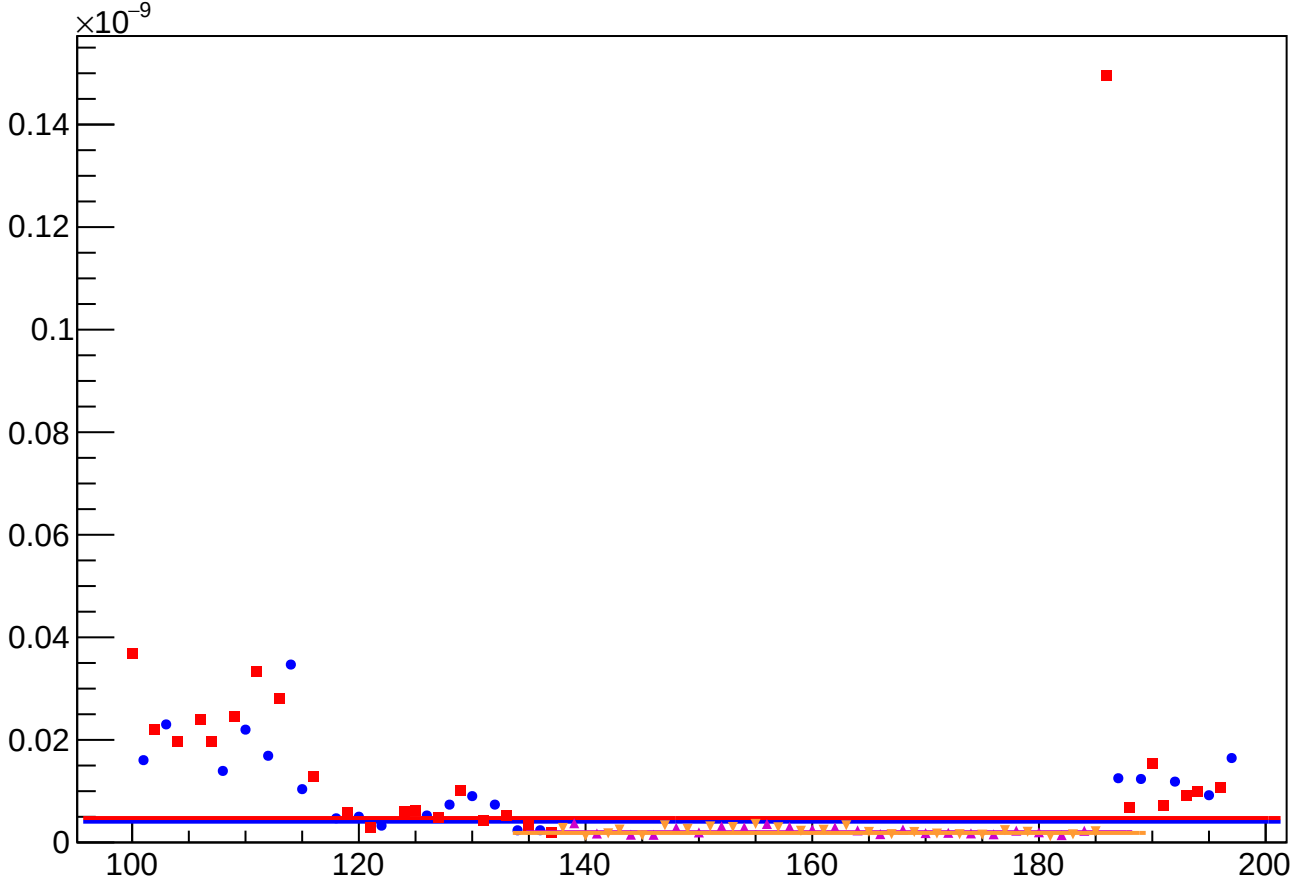
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/25

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/45

All: -0.000+/-0.000 χ^2/NDF: 98.9/94

- sign -0.000+/-0.000 χ^2/NDF: 61.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 5317311.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5836882.1/25

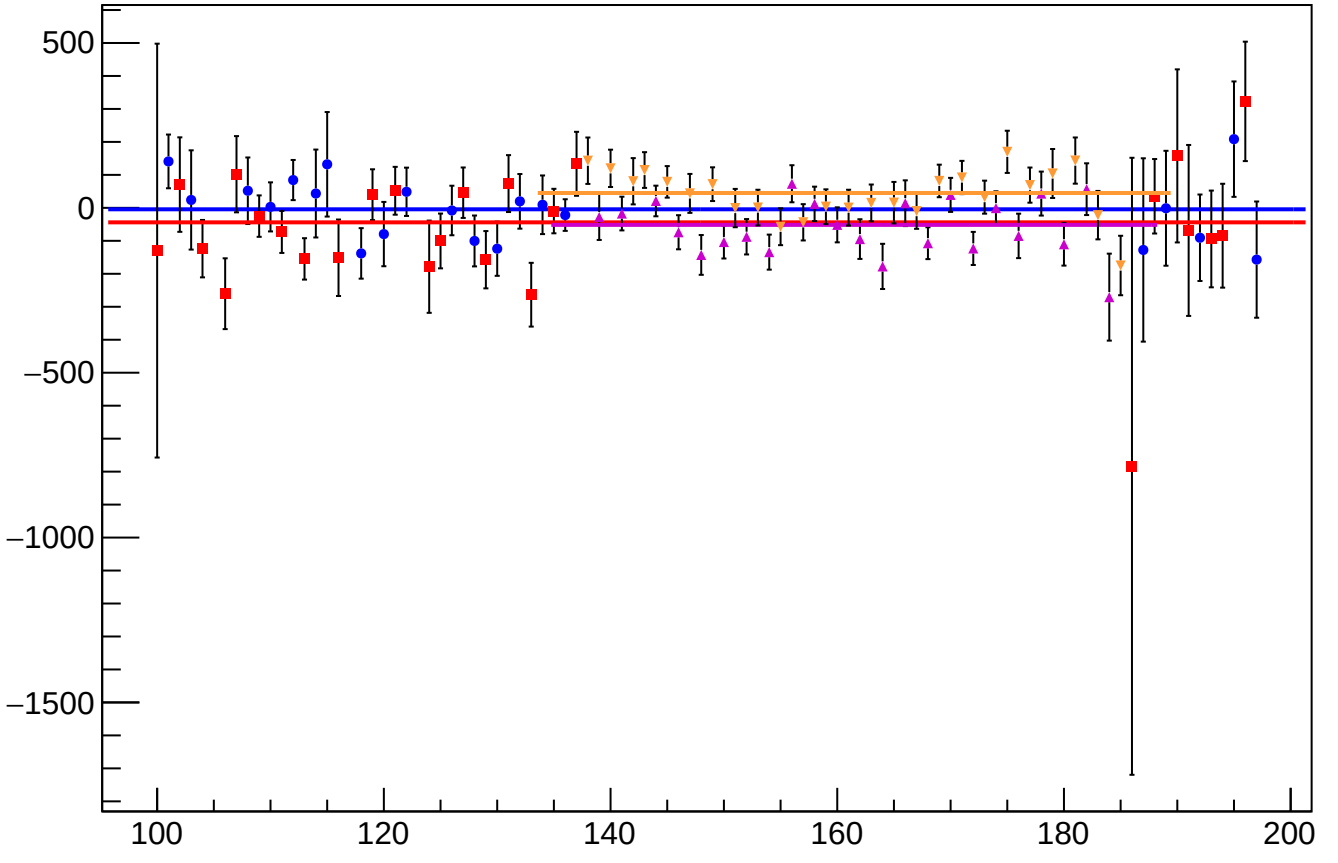
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10200717.0/45

All: 0.000+/-0.000 χ^2/NDF: 21033381.2/94

- sign 0.000+/-0.000 χ^2/NDF: 10723823.0/48

reg_asym_sam_1357_avg_mean vs Slug



Right In: -4.403+/-19.352 χ^2/NDF: 17.5/20

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -43.984+/-18.819 χ^2/NDF: 35.4/25

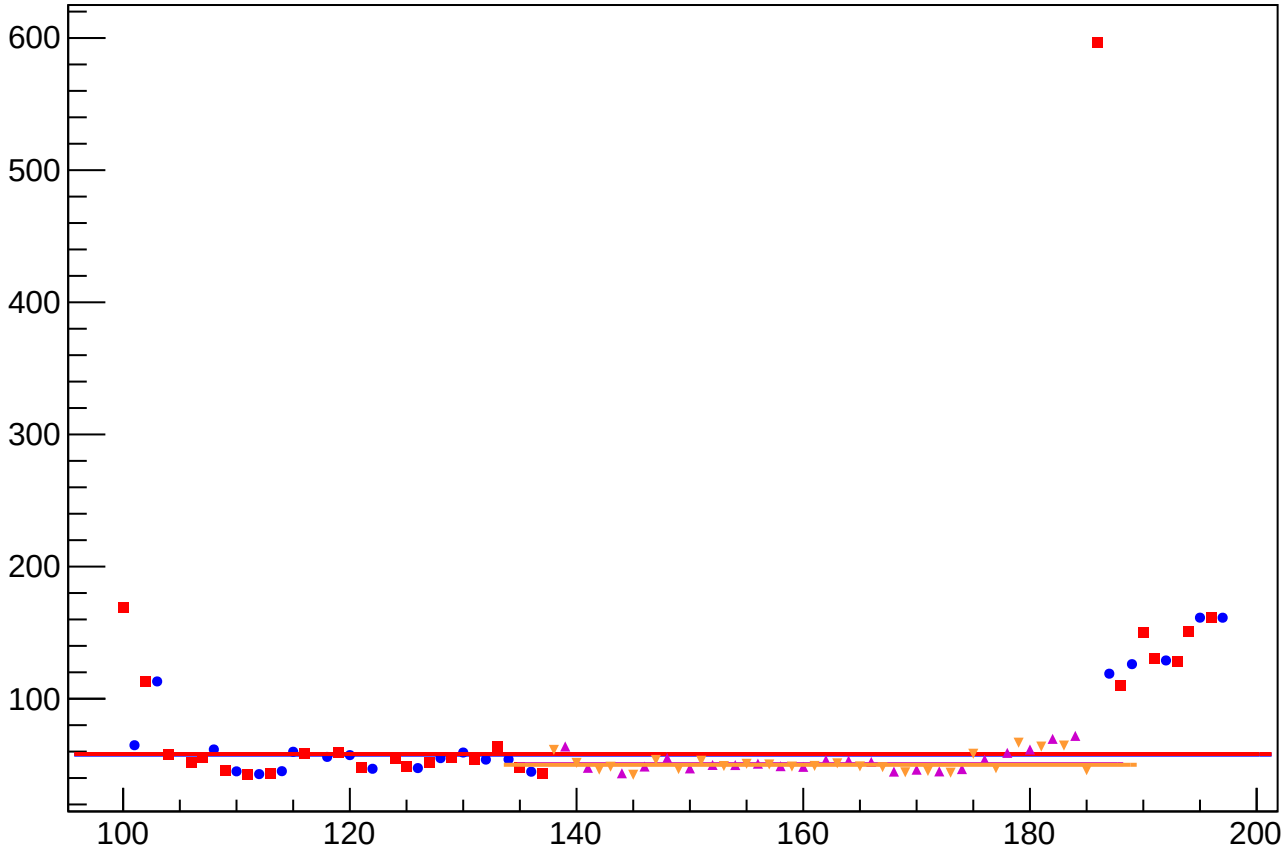
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.184+/-9.883 χ^2/NDF: 53.6/45

All: -7.835+/-7.055 χ^2/NDF: 158.5/94

- sign -49.428+/-10.075 χ^2/NDF: 71.4/48

reg_asym_sam_1357_avg_rms vs Slug



Right In: 57.691+/-0.014 χ^2/NDF: 3107993.4/20

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 58.178+/-0.013 χ^2/NDF: 4146382.1/25

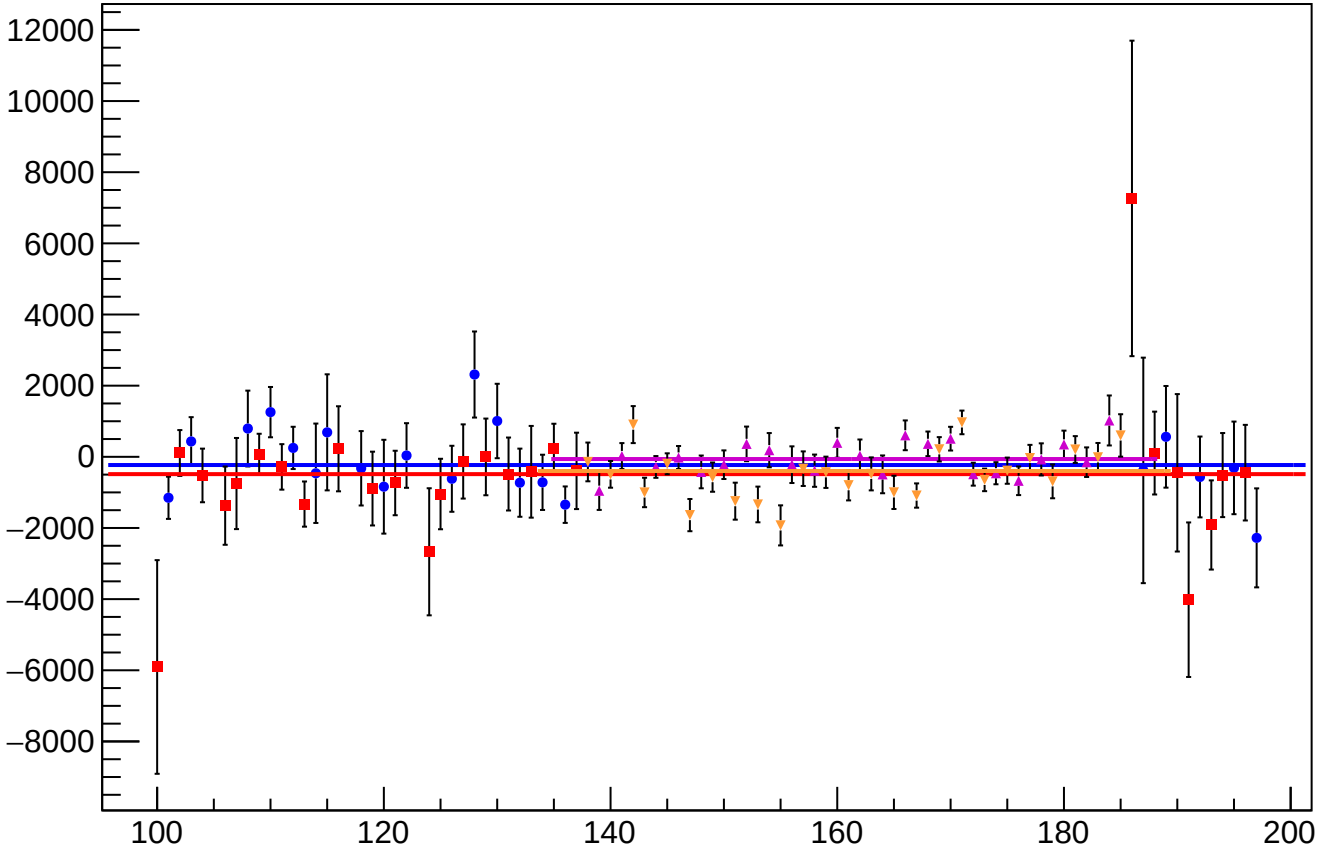
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.021+/-0.007 χ^2/NDF: 3849353.1/45

All: 52.359+/-0.005 χ^2/NDF: 8740643.4/94

- sign 52.709+/-0.007 χ^2/NDF: 4886538.9/48

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -230.575+/-195.817 χ^2/NDF: 24.0/20

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -486.462+/-191.884 χ^2/NDF: 18.6/25

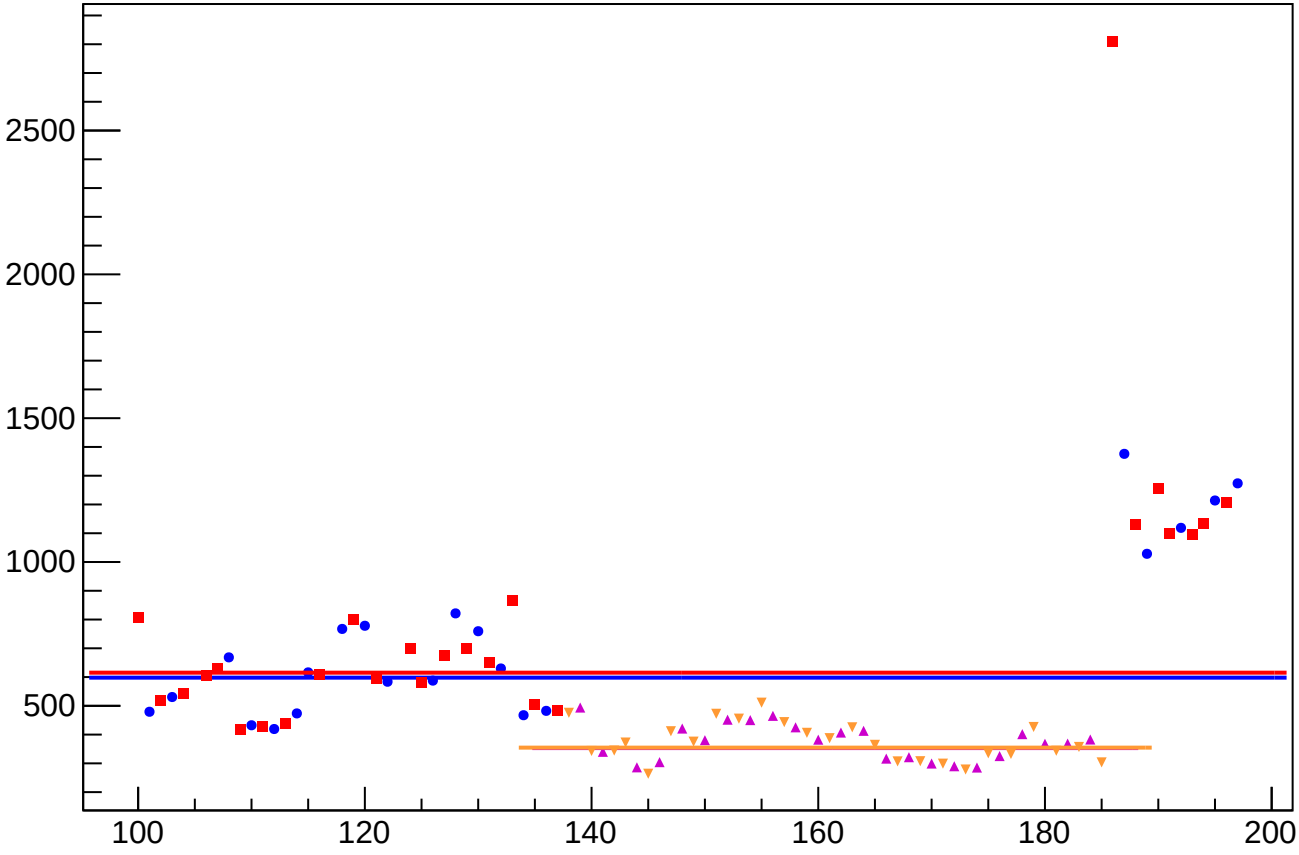
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -374.148+/-75.686 χ^2/NDF: 90.0/45

All: -254.036+/-53.931 χ^2/NDF: 141.7/94

- sign -130.147+/-76.867 χ^2/NDF: 46.6/48

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 597.960+/-0.138 χ^2/NDF: 2422973.9/20

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 615.290+/-0.136 χ^2/NDF: 3107604.4/25

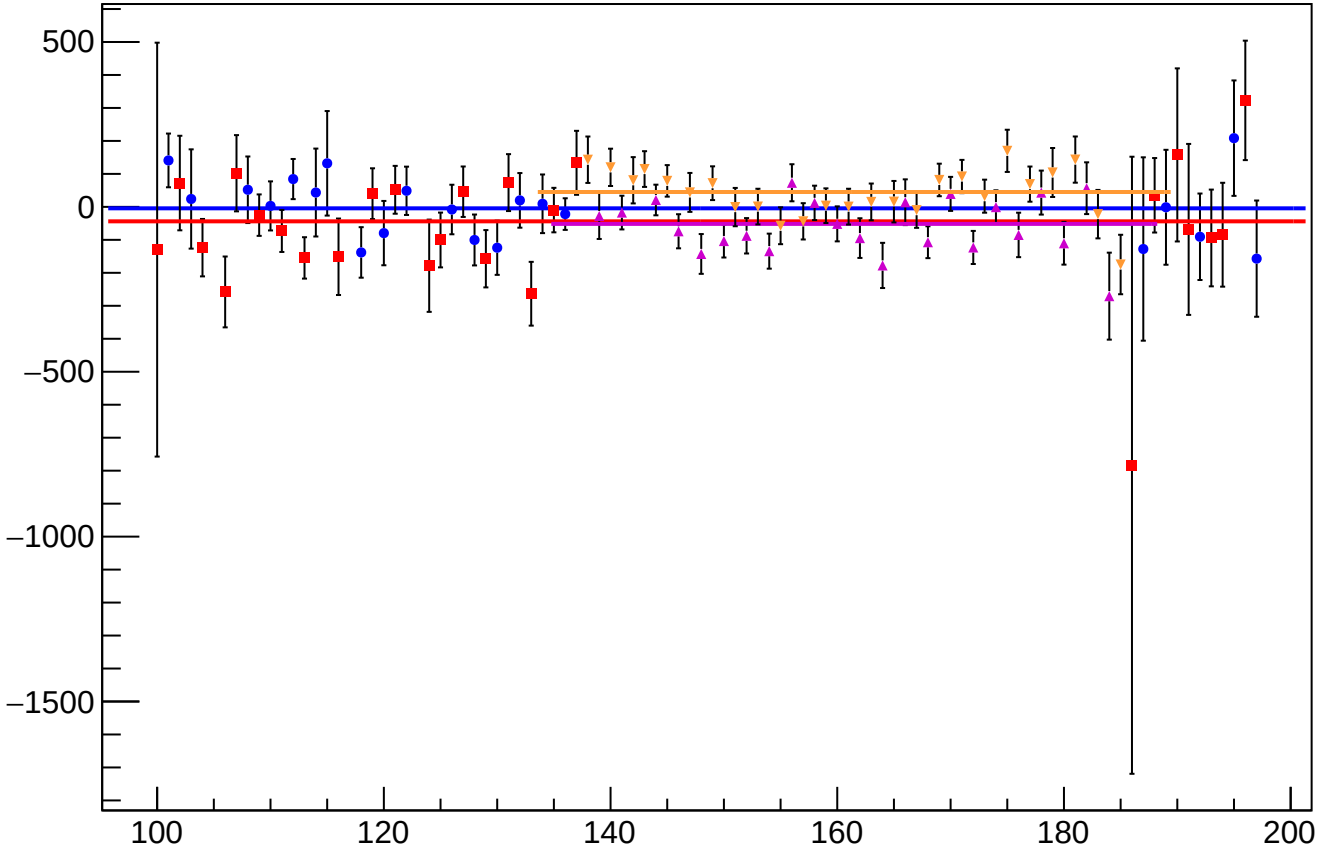
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 391.016+/-0.054 χ^2/NDF: 6194521.1/45

All: 393.067+/-0.038 χ^2/NDF: 13443881.1/94

- sign 395.183+/-0.054 χ^2/NDF: 7246375.5/48

cor_asym_sam_1357_avg_mean vs Slug



Right In: -4.407+/-19.352 χ^2/NDF: 17.5/20

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -43.875+/-18.819 χ^2/NDF: 35.4/25

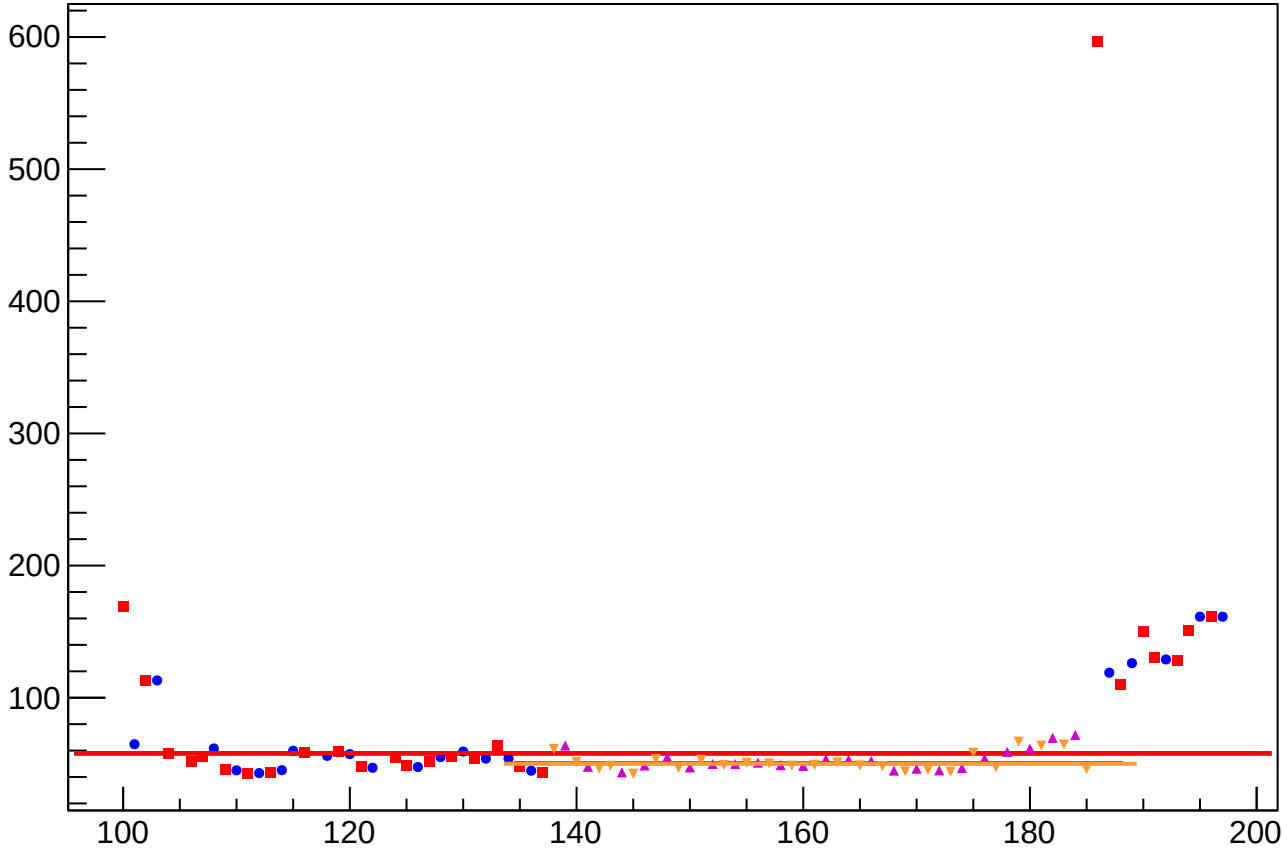
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.186+/-9.883 χ^2/NDF: 53.6/45

All: -7.819+/-7.055 χ^2/NDF: 158.4/94

- sign -49.397+/-10.075 χ^2/NDF: 71.3/48

cor_asym_sam_1357_avg_rms vs Slug



Right In: 57.691+/-0.014 χ^2/NDF: 3107995.7/20

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 58.169+/-0.013 χ^2/NDF: 4147299.6/25

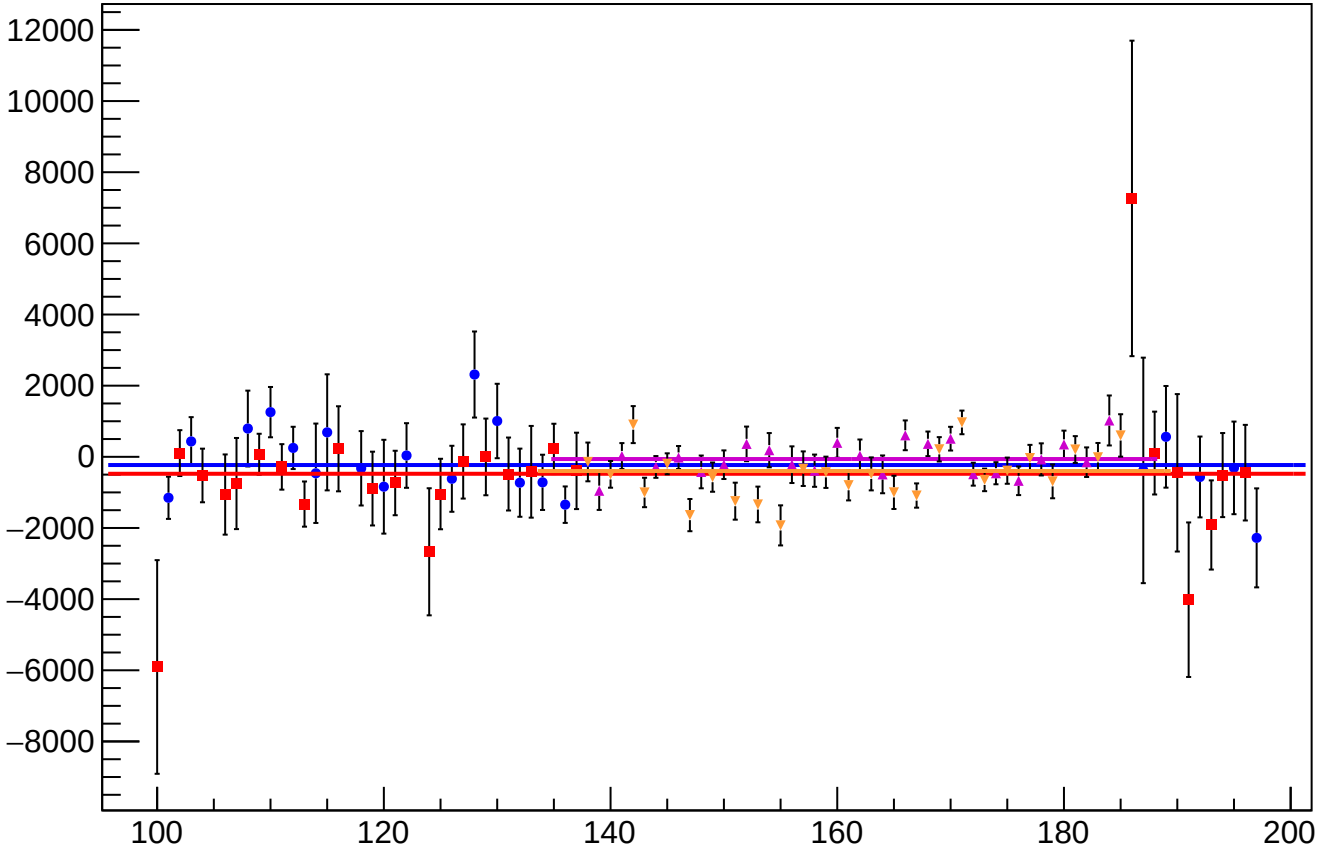
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.021+/-0.007 χ^2/NDF: 3849355.4/45

All: 52.357+/-0.005 χ^2/NDF: 8740952.4/94

- sign 52.707+/-0.007 χ^2/NDF: 4886882.9/48

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -230.556+/-195.819 χ^2/NDF: 24.0/20

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -476.454+/-192.044 χ^2/NDF: 18.2/25

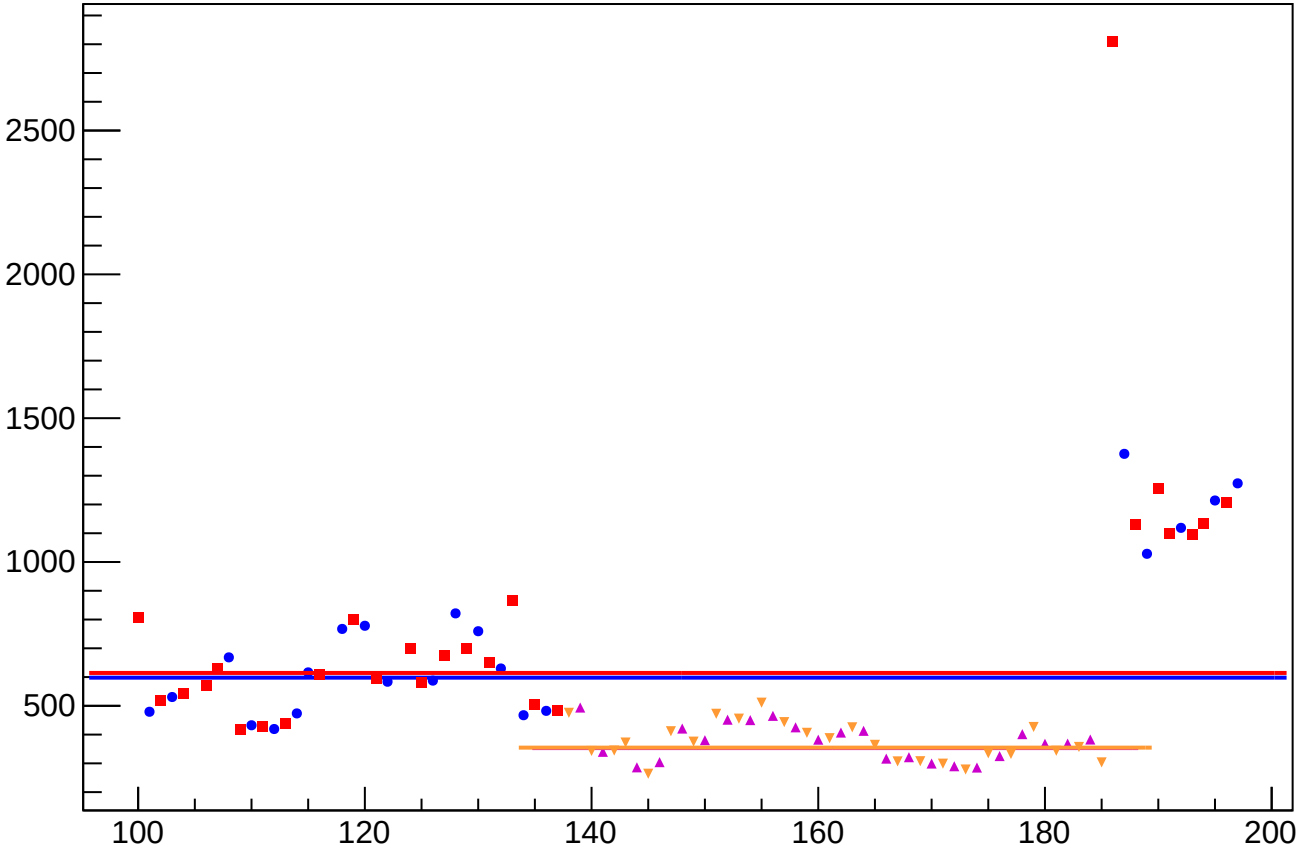
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -374.141+/-75.686 χ^2/NDF: 90.0/45

All: -253.212+/-53.934 χ^2/NDF: 141.2/94

- sign -128.447+/-76.877 χ^2/NDF: 46.0/48

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 597.966+/-0.138 χ^2/NDF: 2422937.0/20

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 614.334+/-0.136 χ^2/NDF: 3110011.6/25

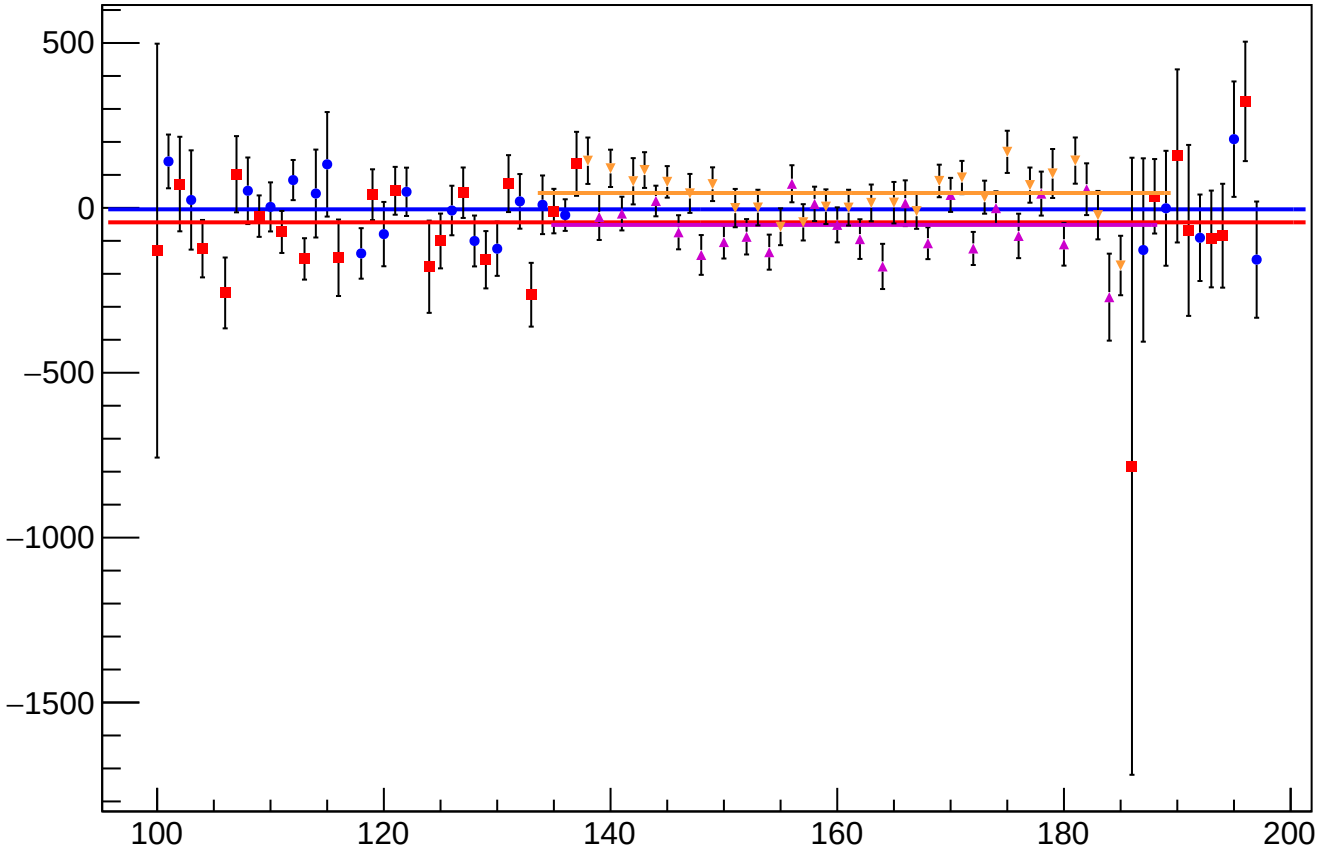
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 391.016+/-0.054 χ^2/NDF: 6194577.1/45

All: 392.962+/-0.038 χ^2/NDF: 13418854.1/94

- sign 394.970+/-0.054 χ^2/NDF: 7221589.5/48

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -4.407+/-19.352 χ^2/NDF: 17.5/20

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -43.875+/-18.819 χ^2/NDF: 35.4/25

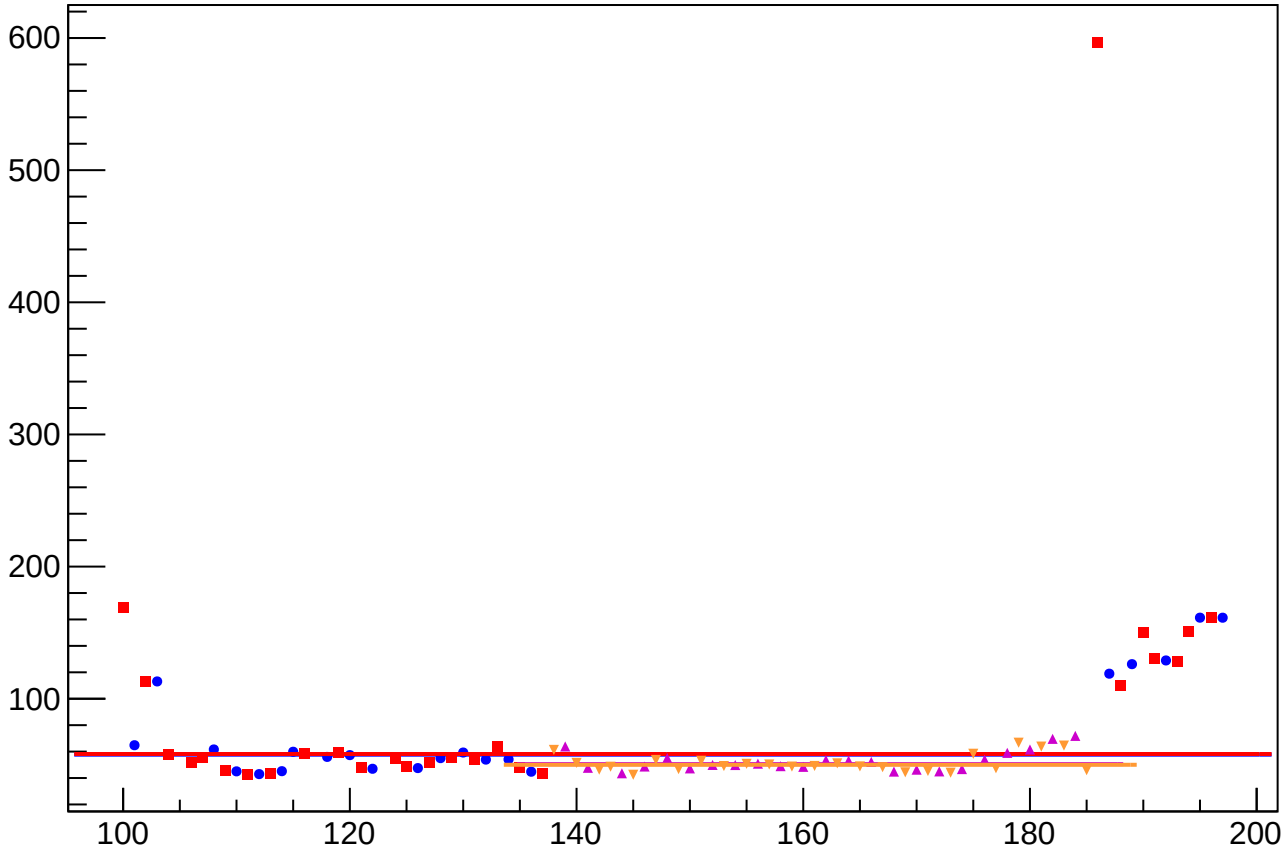
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.186+/-9.883 χ^2/NDF: 53.6/45

All: -7.819+/-7.055 χ^2/NDF: 158.4/94

- sign -49.397+/-10.075 χ^2/NDF: 71.3/48

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 57.691+/-0.014 χ^2/NDF: 3107995.7/20

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

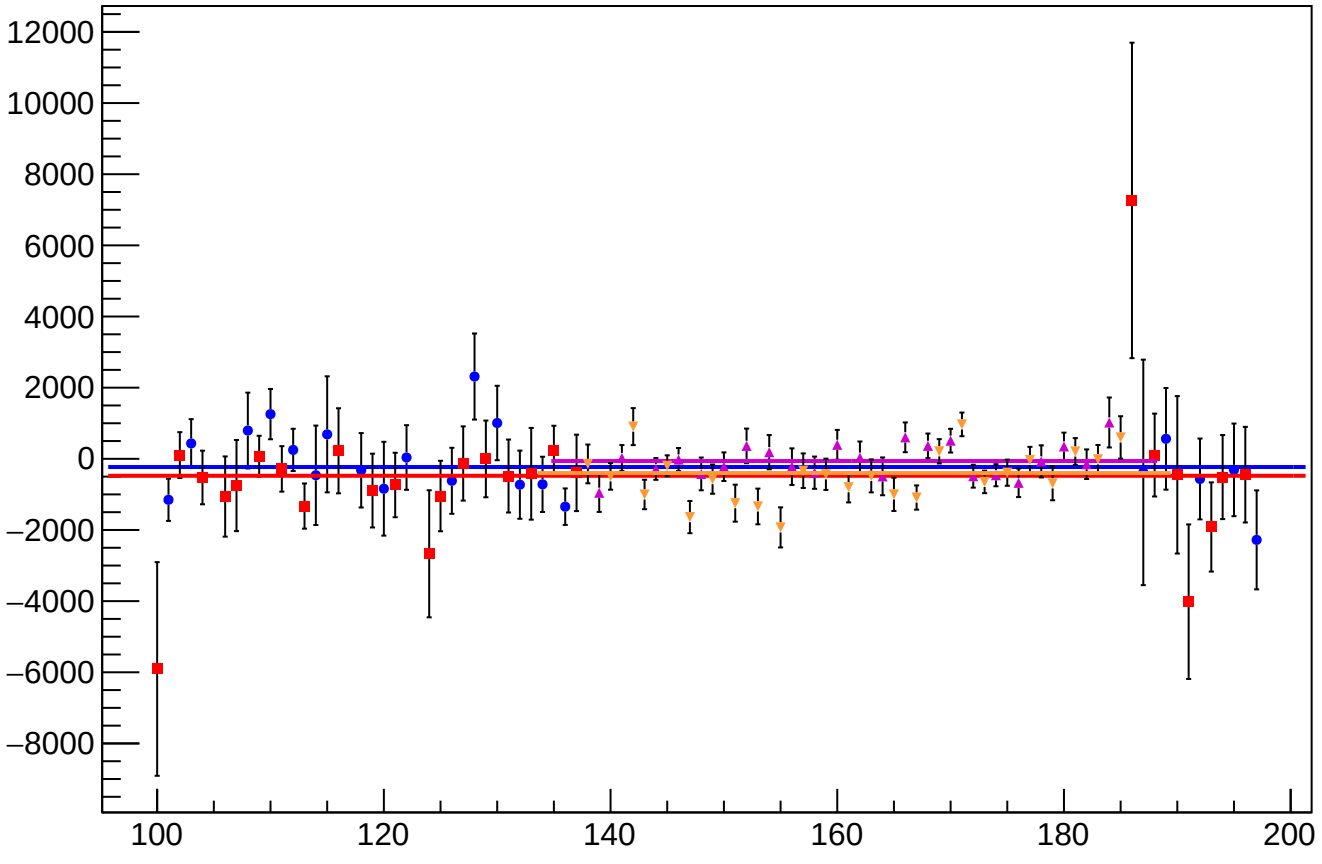
Right Out: 58.169+/-0.013 χ^2/NDF: 4147299.6/25

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 52.021+/-0.007 χ^2/NDF: 3849355.4/45

All: 52.357+/-0.005 χ^2/NDF: 8740952.4/94

- sign 52.707+/-0.007 χ^2/NDF: 4886882.9/48



Right In: -230.556+/-195.819 χ^2/NDF: 24.0/20

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

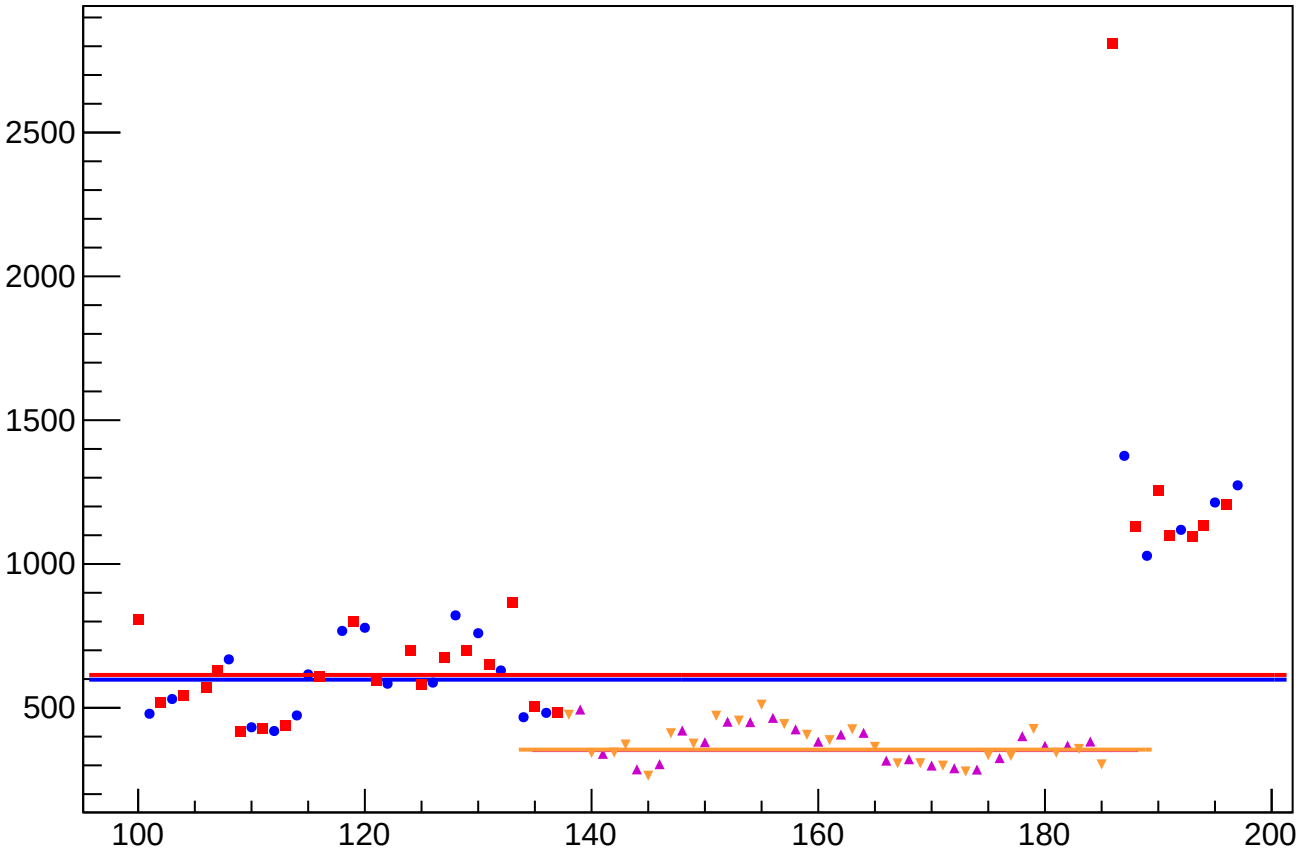
Right Out: -476.454+/-192.044 χ^2/NDF: 18.2/25

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -374.141+/-75.686 χ^2/NDF: 90.0/45

All: -253.212+/-53.934 χ^2/NDF: 141.2/94

- sign -128.447+/-76.877 χ^2/NDF: 46.0/48



Right In: 597.966+/-0.138 χ^2/NDF: 2422937.0/20

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 614.334+/-0.136 χ^2/NDF: 3110011.6/25

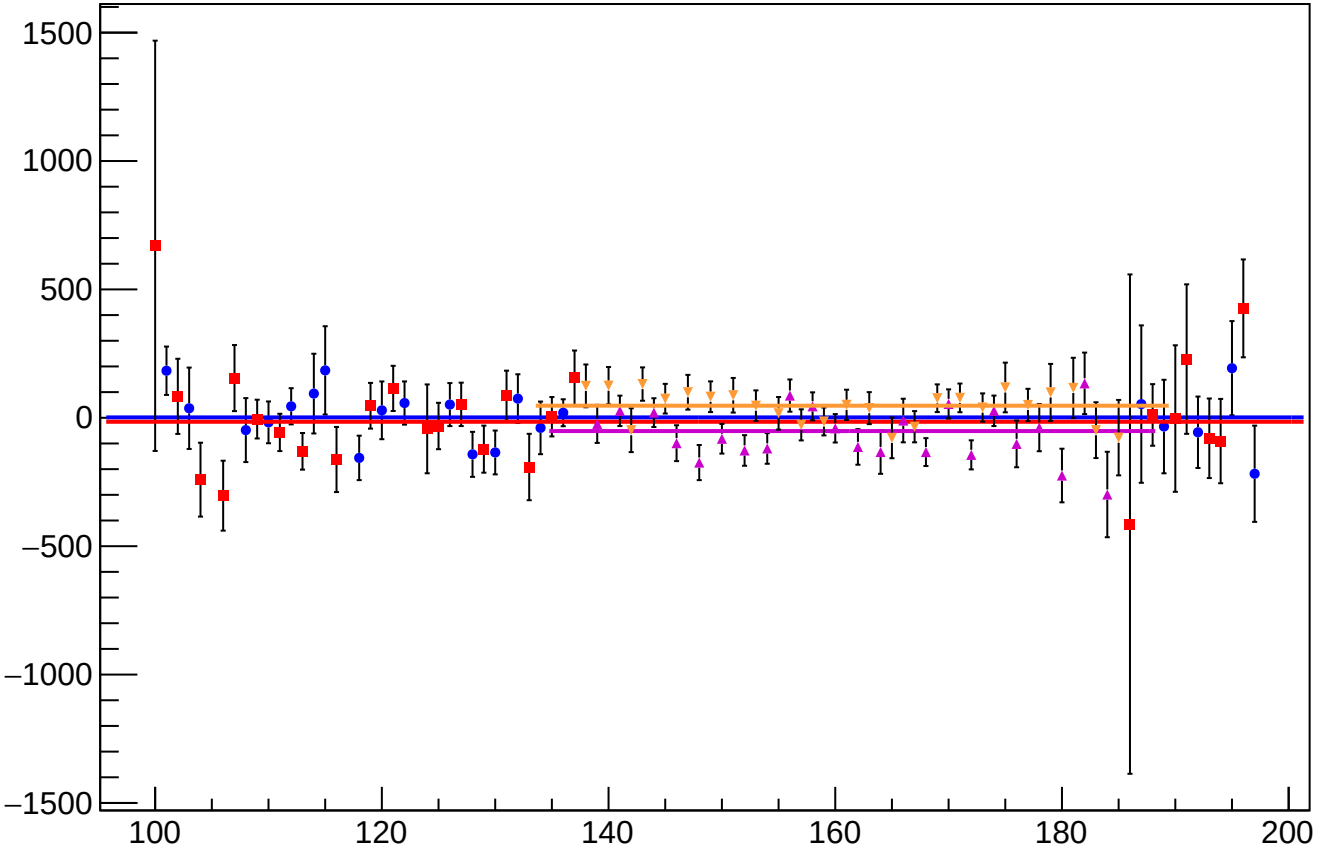
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 391.016+/-0.054 χ^2/NDF: 6194577.1/45

All: 392.962+/-0.038 χ^2/NDF: 13418854.1/94

- sign 394.970+/-0.054 χ^2/NDF: 7221589.5/48

dit_asym_sam_1357_avg_mean vs Slug



Right In: 1.541+/-21.670 χ^2/NDF: 18.9/20

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -15.473+/-21.668 χ^2/NDF: 31.2/25

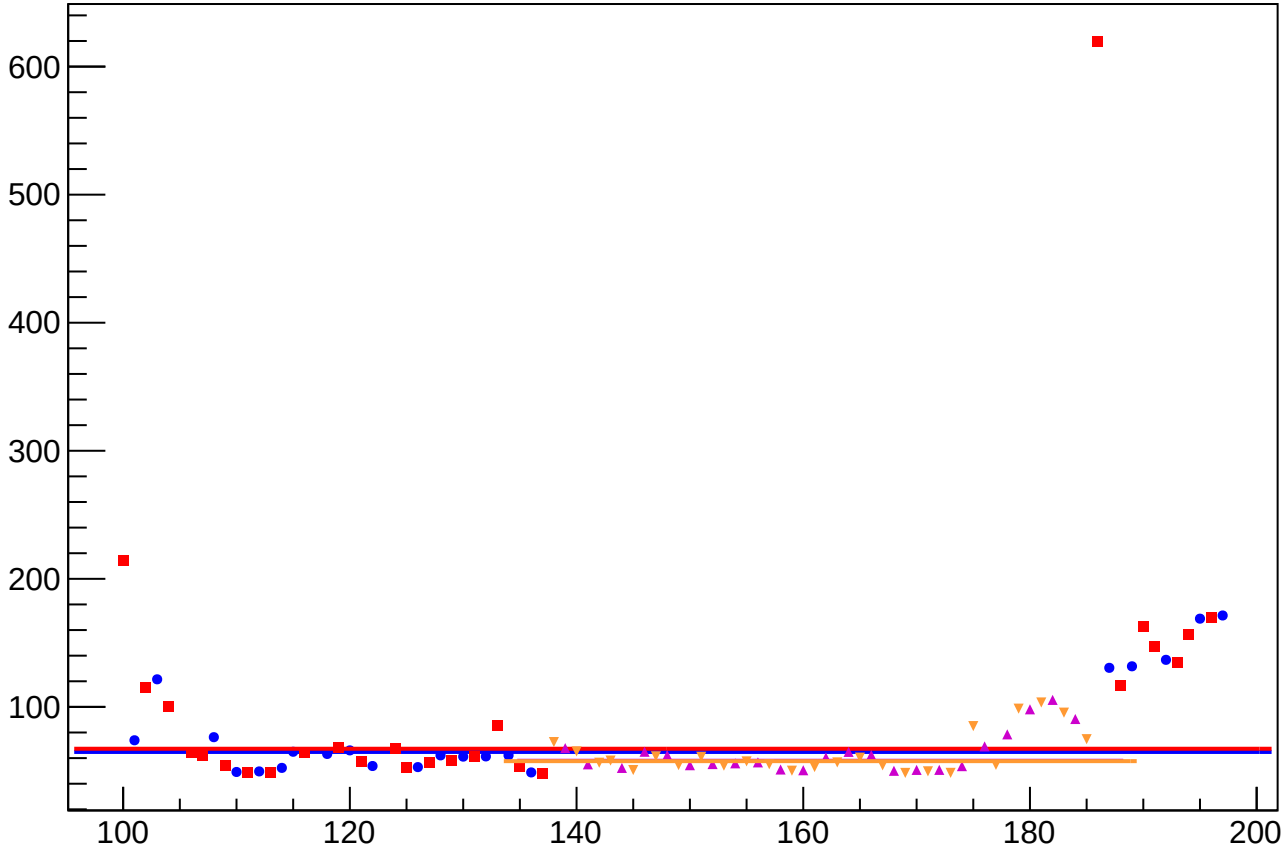
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 34.383+/-11.465 χ^2/NDF: 39.0/45

All: -2.515+/-8.196 χ^2/NDF: 131.5/94

- sign -41.068+/-11.720 χ^2/NDF: 71.3/48

dit_asym_sam_1357_avg_rms vs Slug



Right In: 64.814+/-0.015 χ^2/NDF: 2929940.1/20

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 67.313+/-0.015 χ^2/NDF: 3934936.7/25

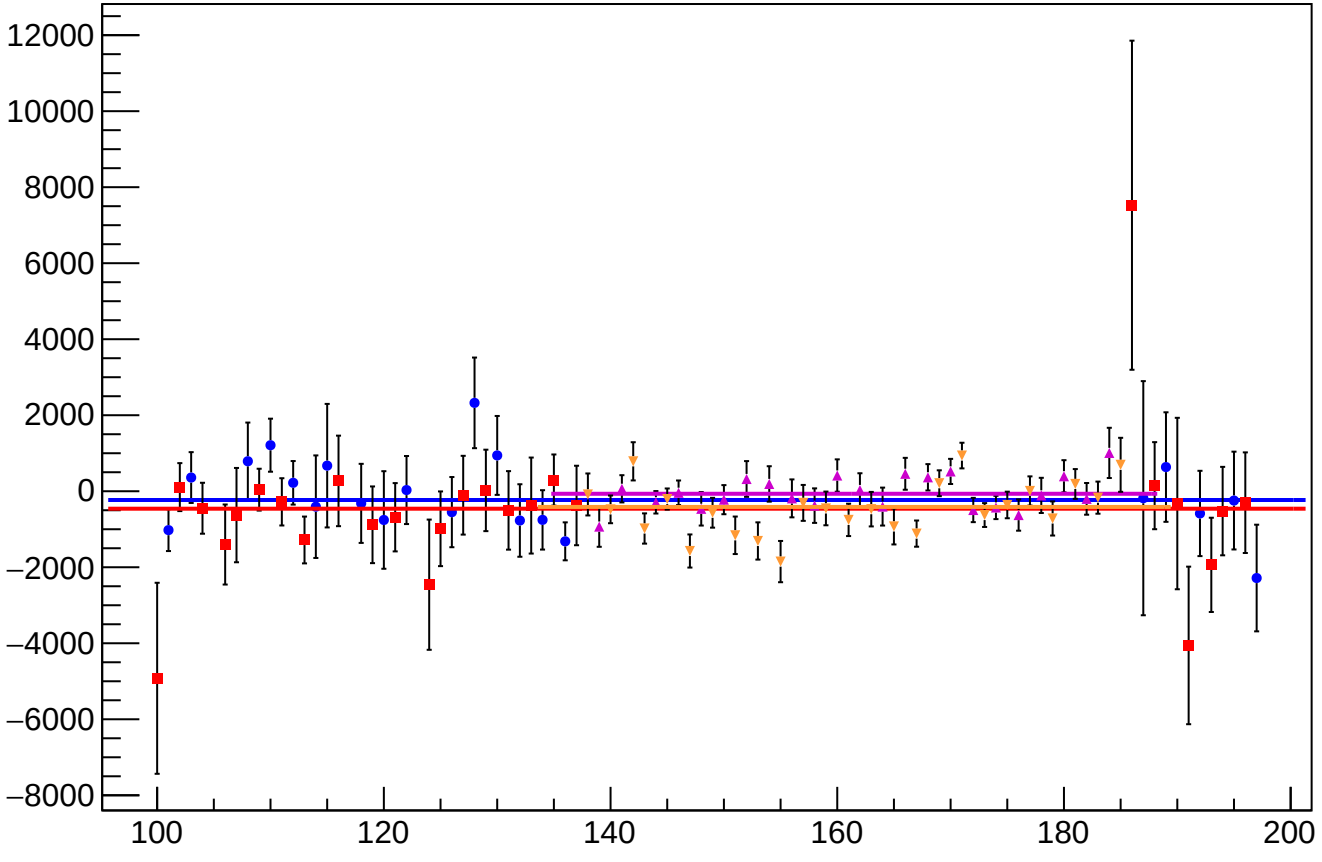
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 59.642+/-0.008 χ^2/NDF: 4453628.5/45

All: 60.150+/-0.006 χ^2/NDF: 9785867.5/94

- sign 60.682+/-0.008 χ^2/NDF: 5324188.4/48

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -230.535+/-191.238 χ^2/NDF: 23.4/20

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -459.558+/-185.790 χ^2/NDF: 19.5/25

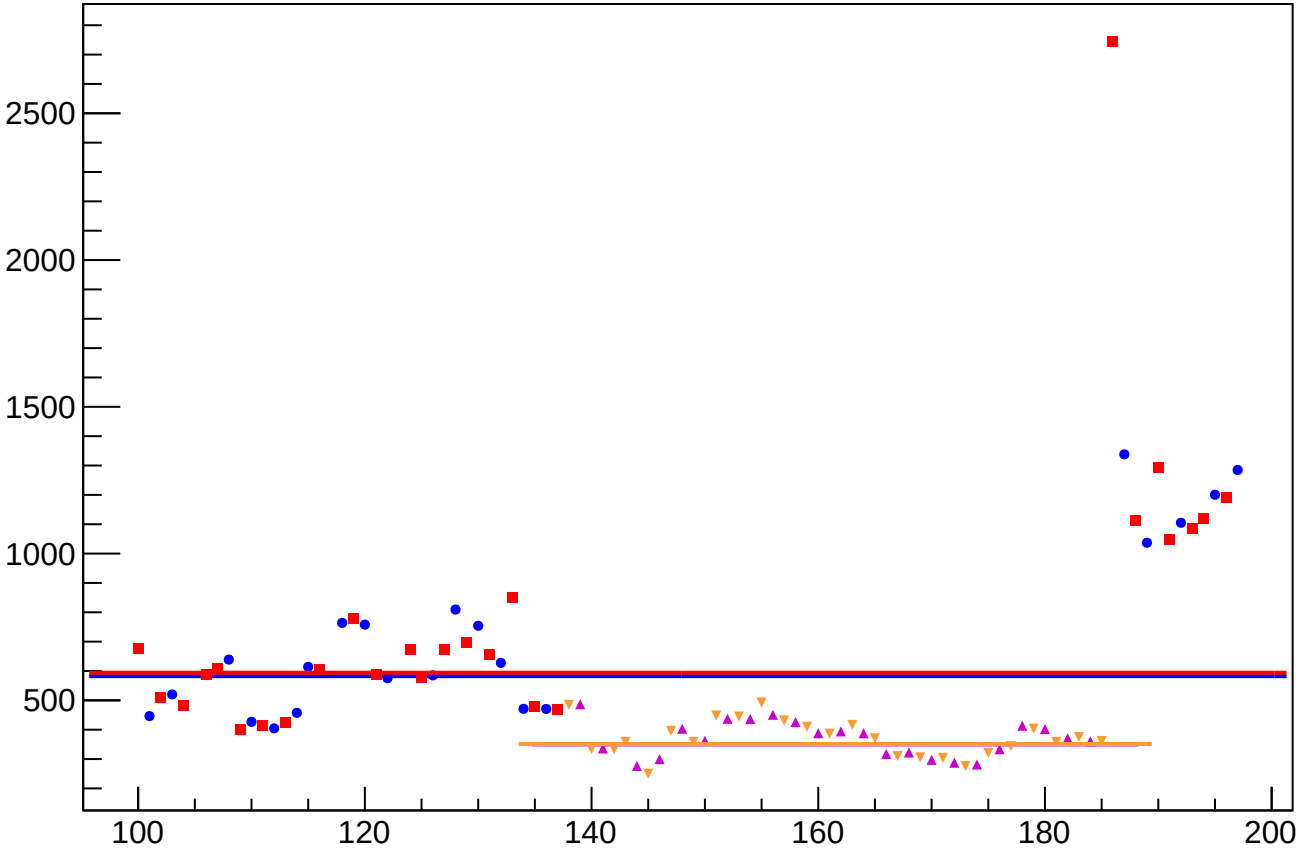
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -385.212+/-74.690 χ^2/NDF: 85.5/45

All: -260.603+/-53.217 χ^2/NDF: 137.3/94

- sign -132.116+/-75.844 χ^2/NDF: 46.1/48

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 582.422+/-0.135 χ^2/NDF: 2541807.6/20

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 594.197+/-0.131 χ^2/NDF: 3256545.0/25

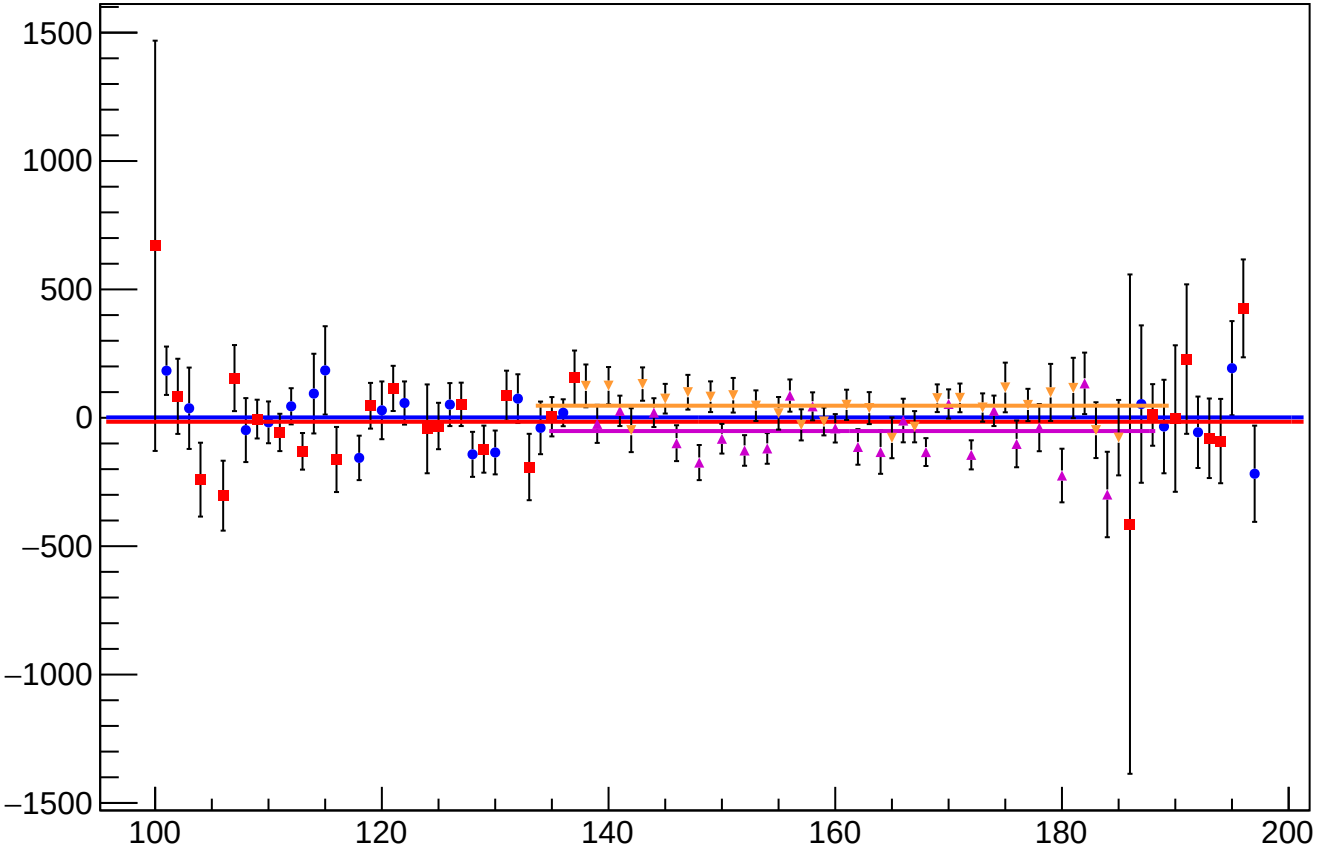
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 386.525+/-0.053 χ^2/NDF: 6136436.0/45

All: 388.501+/-0.038 χ^2/NDF: 13269946.8/94

- sign 390.539+/-0.054 χ^2/NDF: 7130667.1/48

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 1.541+/-21.670 χ^2/NDF: 18.9/20

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -15.472+/-21.668 χ^2/NDF: 31.2/25

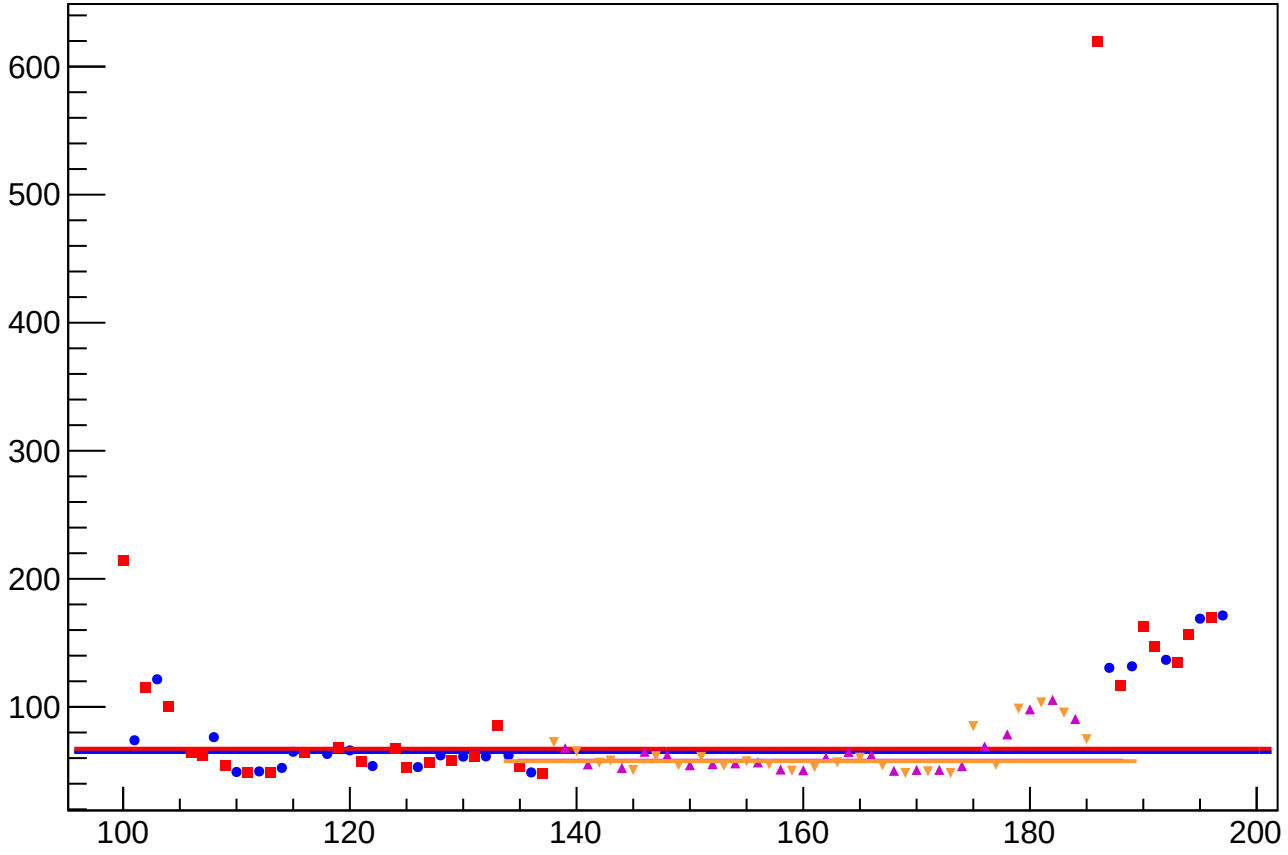
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 34.383+/-11.465 χ^2/NDF: 39.0/45

All: -2.514+/-8.196 χ^2/NDF: 131.5/94

- sign -41.067+/-11.720 χ^2/NDF: 71.3/48

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 64.814+/-0.015 χ^2/NDF: 2929929.2/20

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

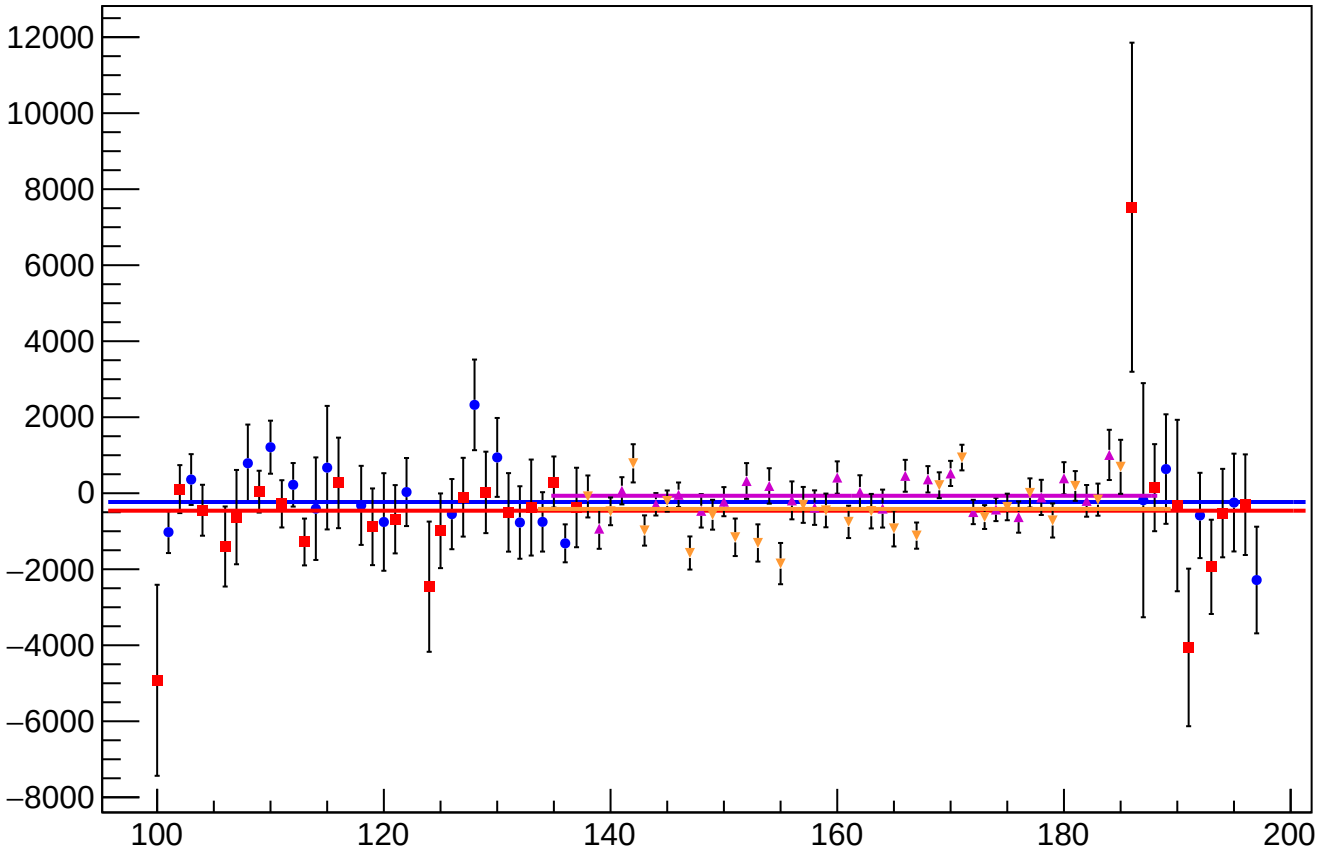
Right Out: 67.313+/-0.015 χ^2/NDF: 3934931.4/25

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 59.642+/-0.008 χ^2/NDF: 4453612.6/45

All: 60.151+/-0.006 χ^2/NDF: 9785833.6/94

- sign 60.682+/-0.008 χ^2/NDF: 5324169.8/48



Right In: -230.534+/-191.238 χ^2/NDF: 23.4/20

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

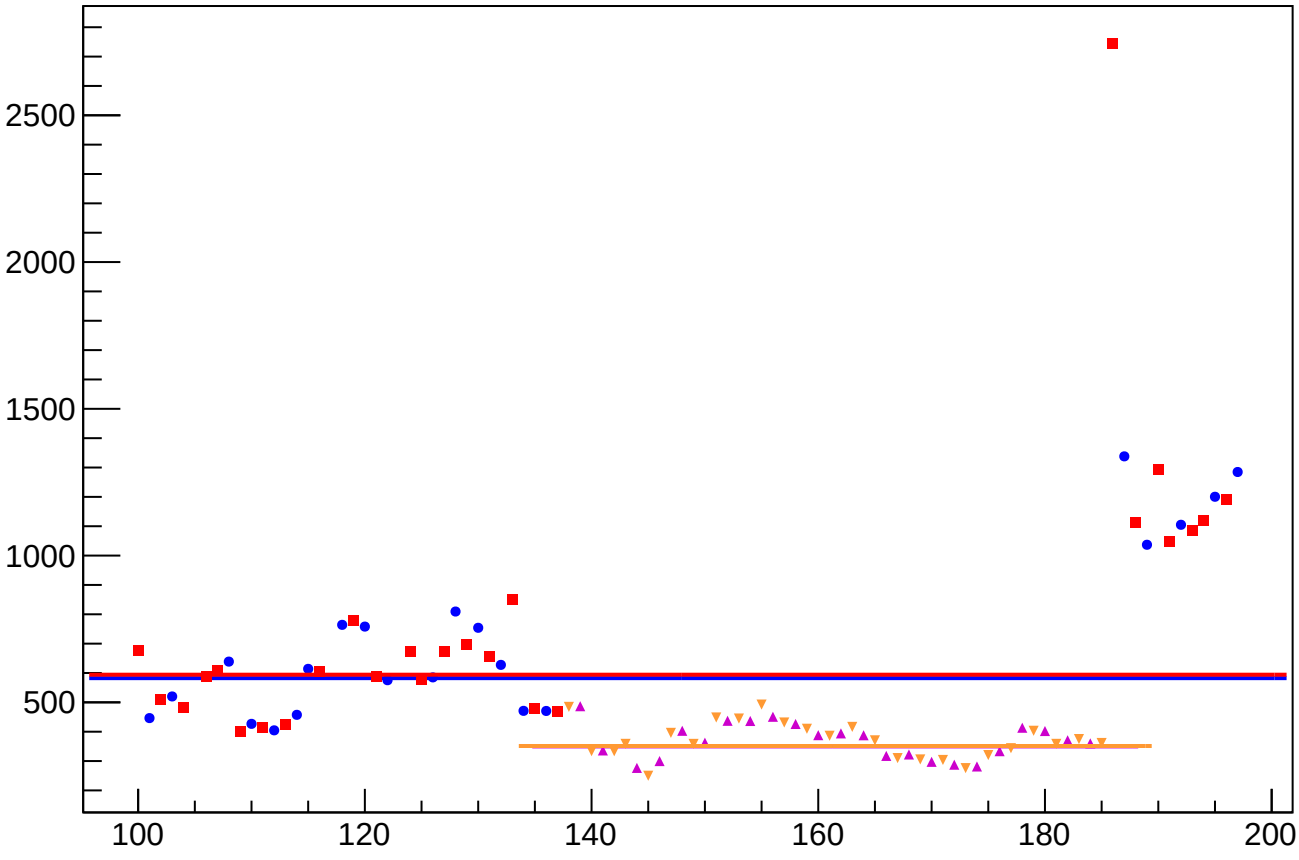
Right Out: -459.557+/-185.790 χ^2/NDF: 19.5/25

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -385.212+/-74.690 χ^2/NDF: 85.5/45

All: -260.603+/-53.217 χ^2/NDF: 137.3/94

- sign -132.115+/-75.844 χ^2/NDF: 46.1/48



Right In: 582.421+/-0.135 χ^2/NDF: 2541813.6/20

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 594.196+/-0.131 χ^2/NDF: 3256548.2/25

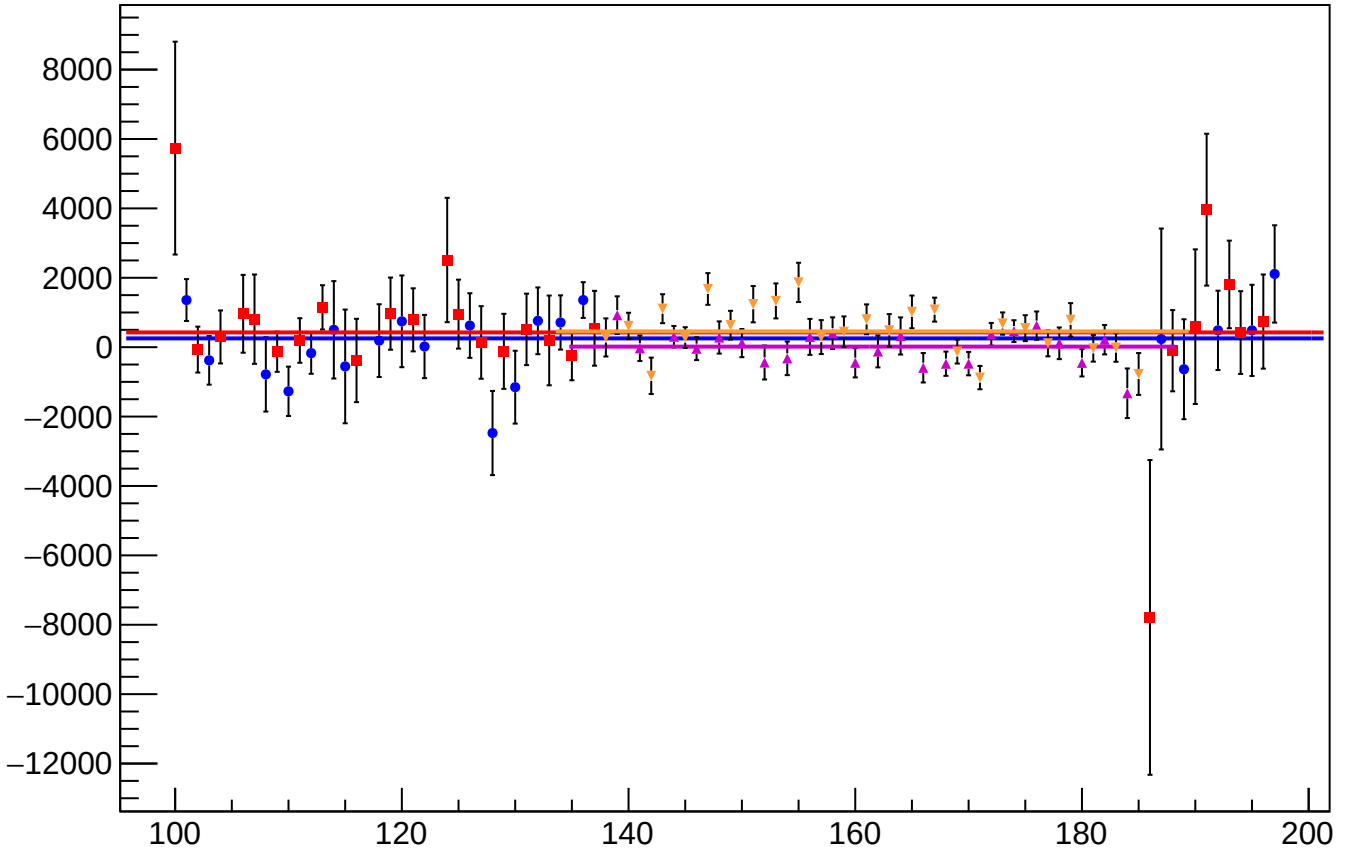
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 386.524+/-0.053 χ^2/NDF: 6136427.7/45

All: 388.500+/-0.038 χ^2/NDF: 13269921.7/94

- sign 390.538+/-0.054 χ^2/NDF: 7130650.1/48

asym_sam_1357_avg_mean vs Slug



Right In: 253.240+/-197.411 χ^2/NDF: 25.1/20

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 425.143+/-193.447 χ^2/NDF: 17.4/25

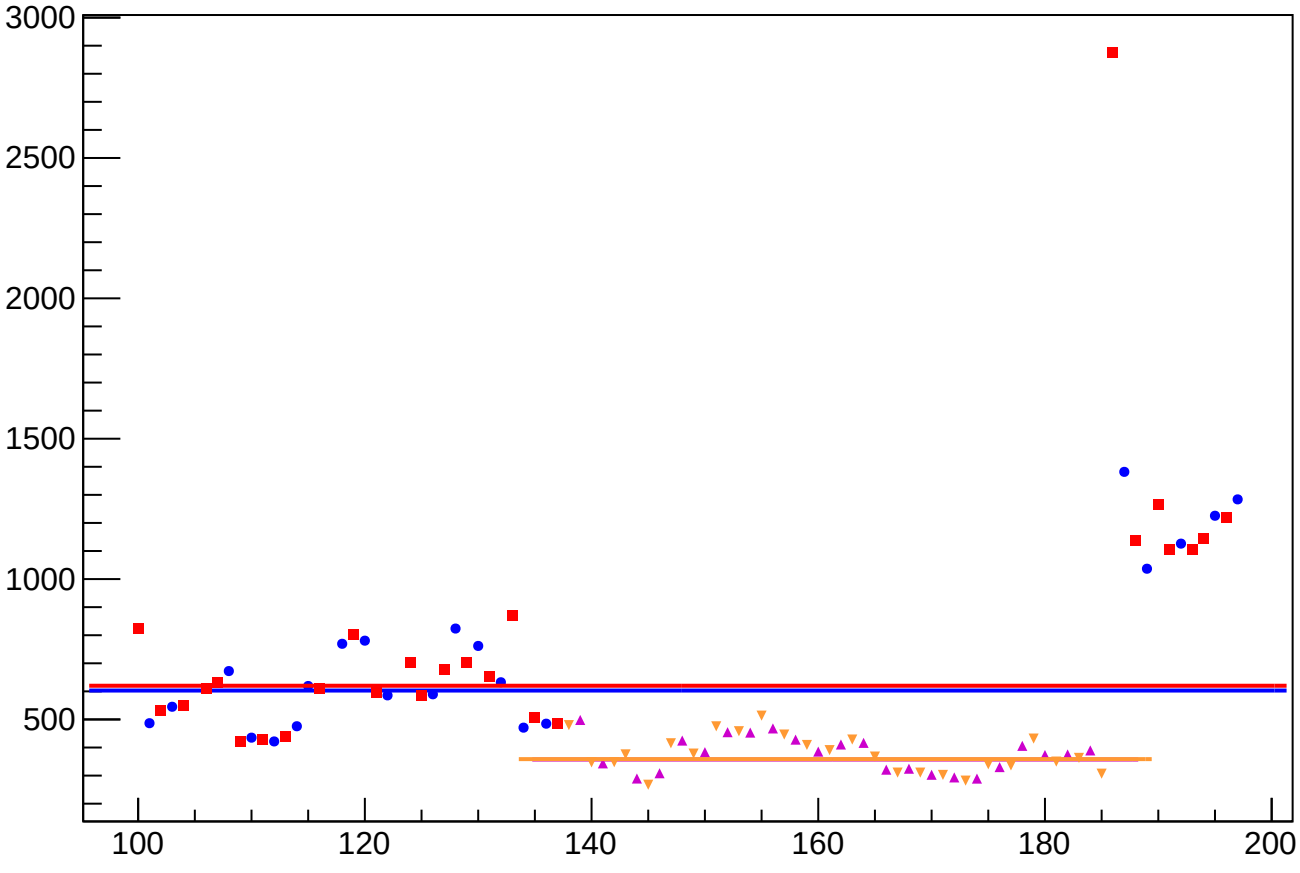
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 424.916+/-76.482 χ^2/NDF: 86.9/45

All: 256.168+/-54.502 χ^2/NDF: 142.7/94

- sign 82.050+/-77.689 χ^2/NDF: 46.0/48

asym_sam_1357_avg_rms vs Slug



Right In: 602.963+/-0.140 χ^2/NDF: 2412746.1/20

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

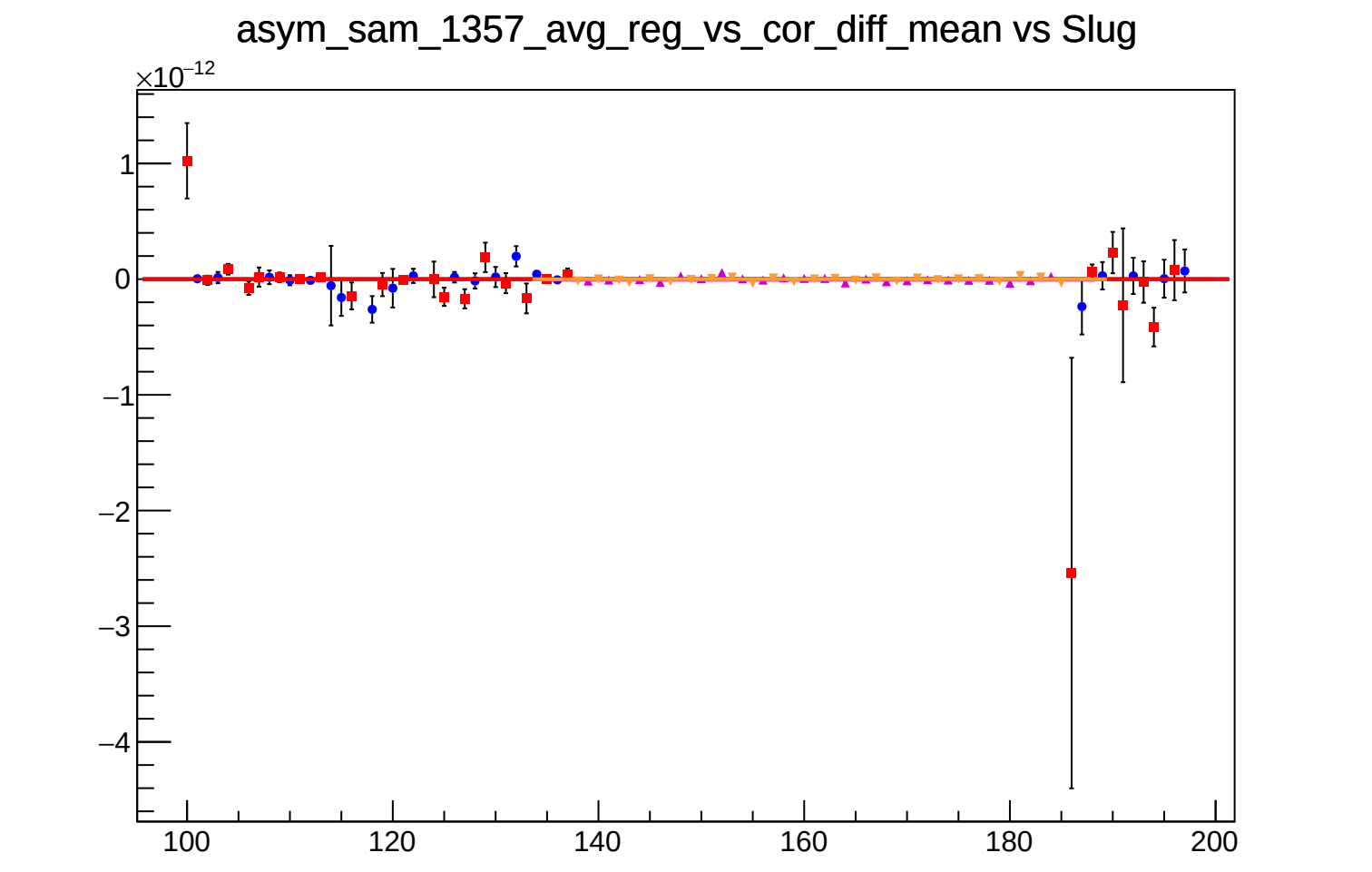
Right Out: 620.087+/-0.137 χ^2/NDF: 3105665.8/25

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 395.343+/-0.054 χ^2/NDF: 6135169.2/45

All: 397.431+/-0.039 χ^2/NDF: 13323751.3/94

- sign 399.585+/-0.055 χ^2/NDF: 7185554.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/20

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

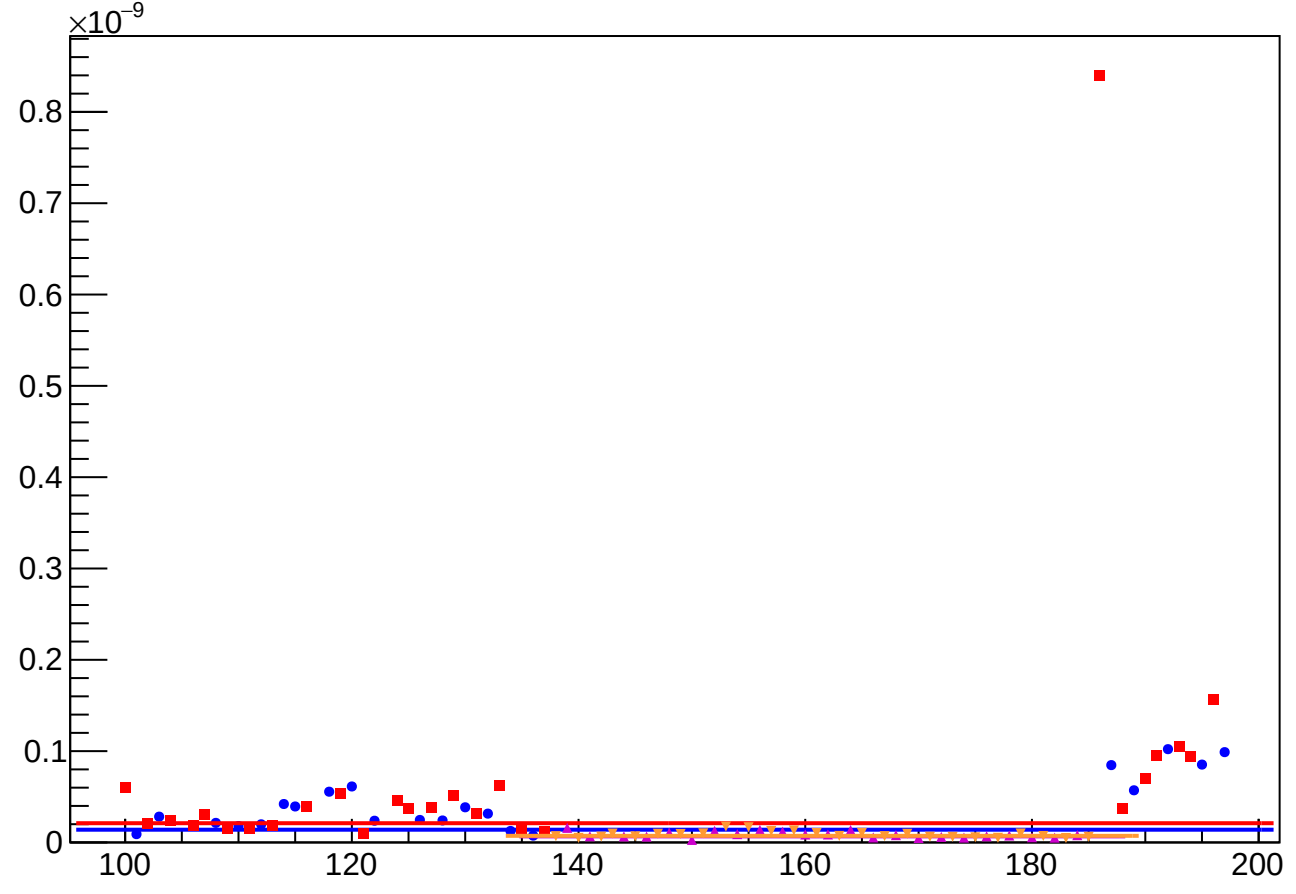
Right Out: -0.000+/-0.000 χ^2/NDF: 40.8/25

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.0/45

All: -0.000+/-0.000 χ^2/NDF: 103.9/94

- sign -0.000+/-0.000 χ^2/NDF: 69.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 3654442.5/20

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

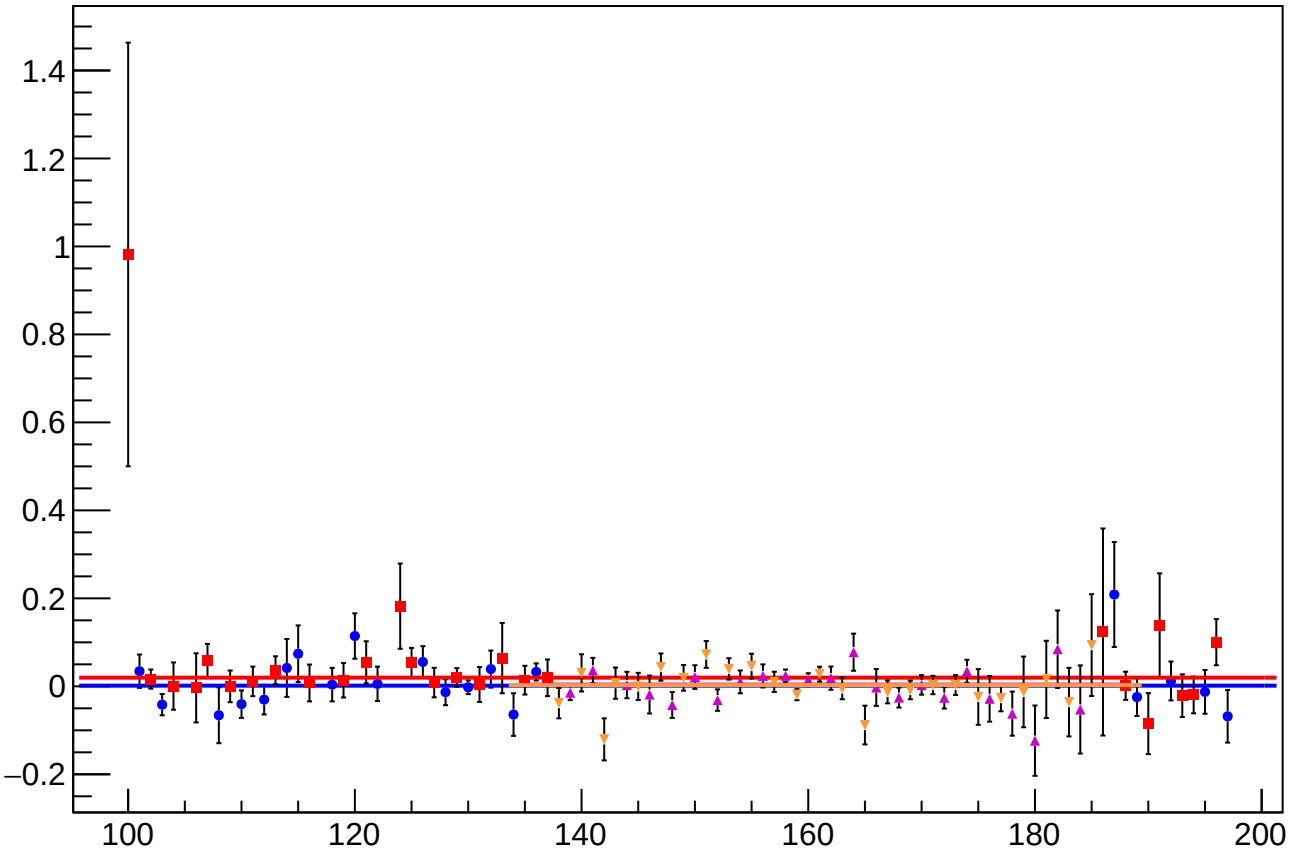
Right Out: 0.000+/-0.000 χ^2/NDF: 3453510.2/25

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6099537.2/45

All: 0.000+/-0.000 χ^2/NDF: 14133657.2/94

- sign 0.000+/-0.000 χ^2/NDF: 8009147.2/48



Right In: 0.002+/-0.007 χ^2/NDF: 26.9/20

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.020+/-0.008 χ^2/NDF: 18.6/25

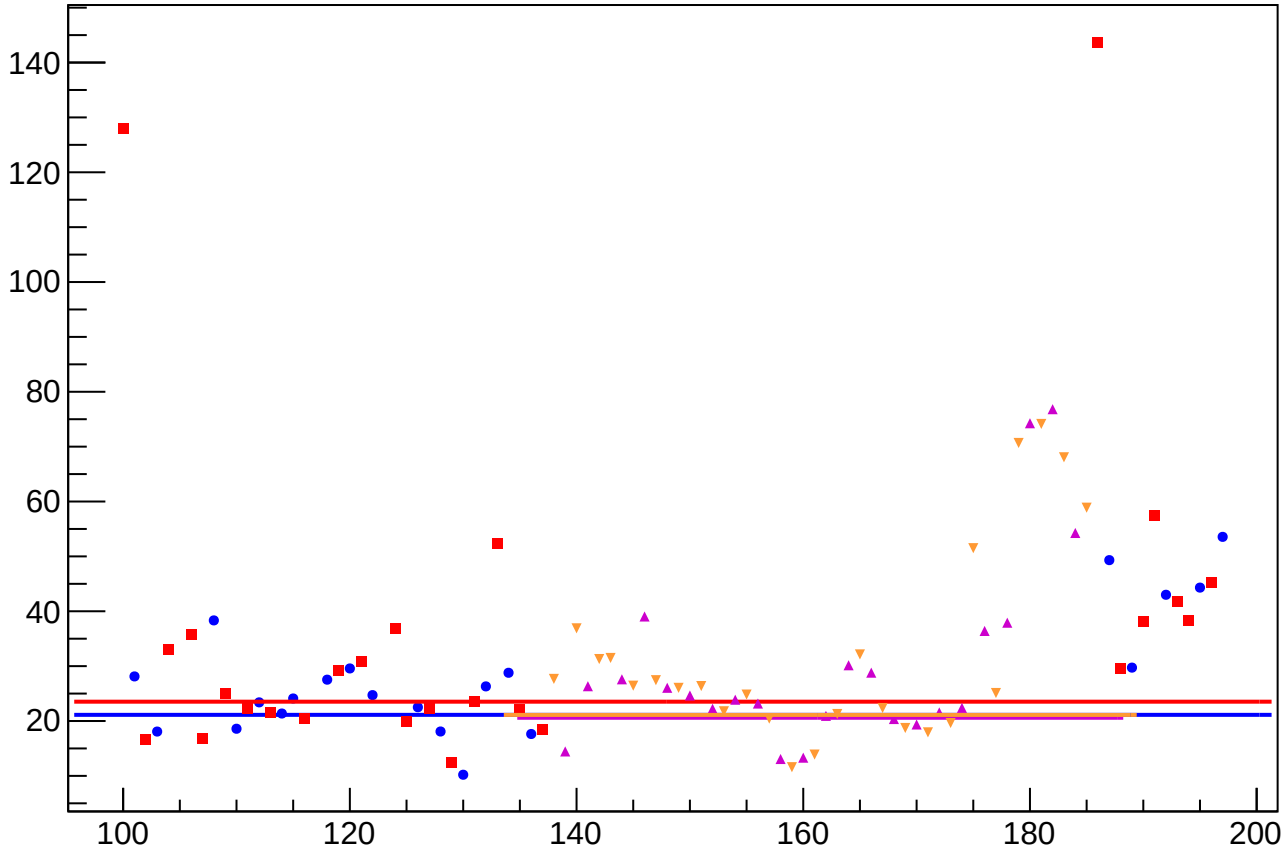
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 59.7/45

All: 0.006+/-0.003 χ^2/NDF: 106.9/94

- sign 0.009+/-0.004 χ^2/NDF: 46.0/48

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 21.123+/-0.005 χ^2/NDF: 3257762.3/20

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

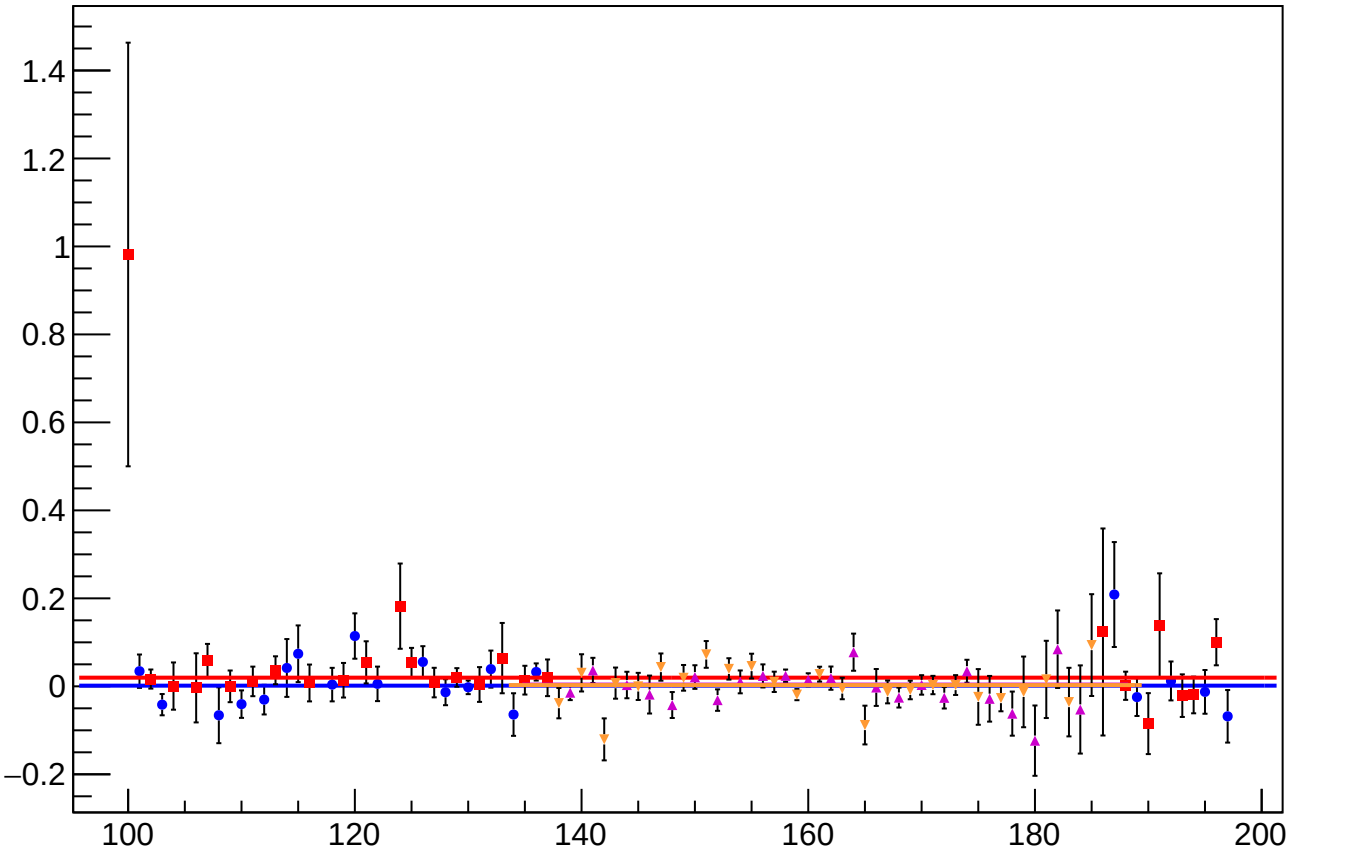
Right Out: 23.522+/-0.005 χ^2/NDF: 3222387.4/25

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

\+ sign 21.114+/-0.003 χ^2/NDF: 8804295.8/45

All: 21.332+/-0.002 χ^2/NDF: 16827896.6/94

\- sign 21.557+/-0.003 χ^2/NDF: 8013533.2/48



Right In: 0.002+/-0.007 χ^2/NDF: 26.9/20

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

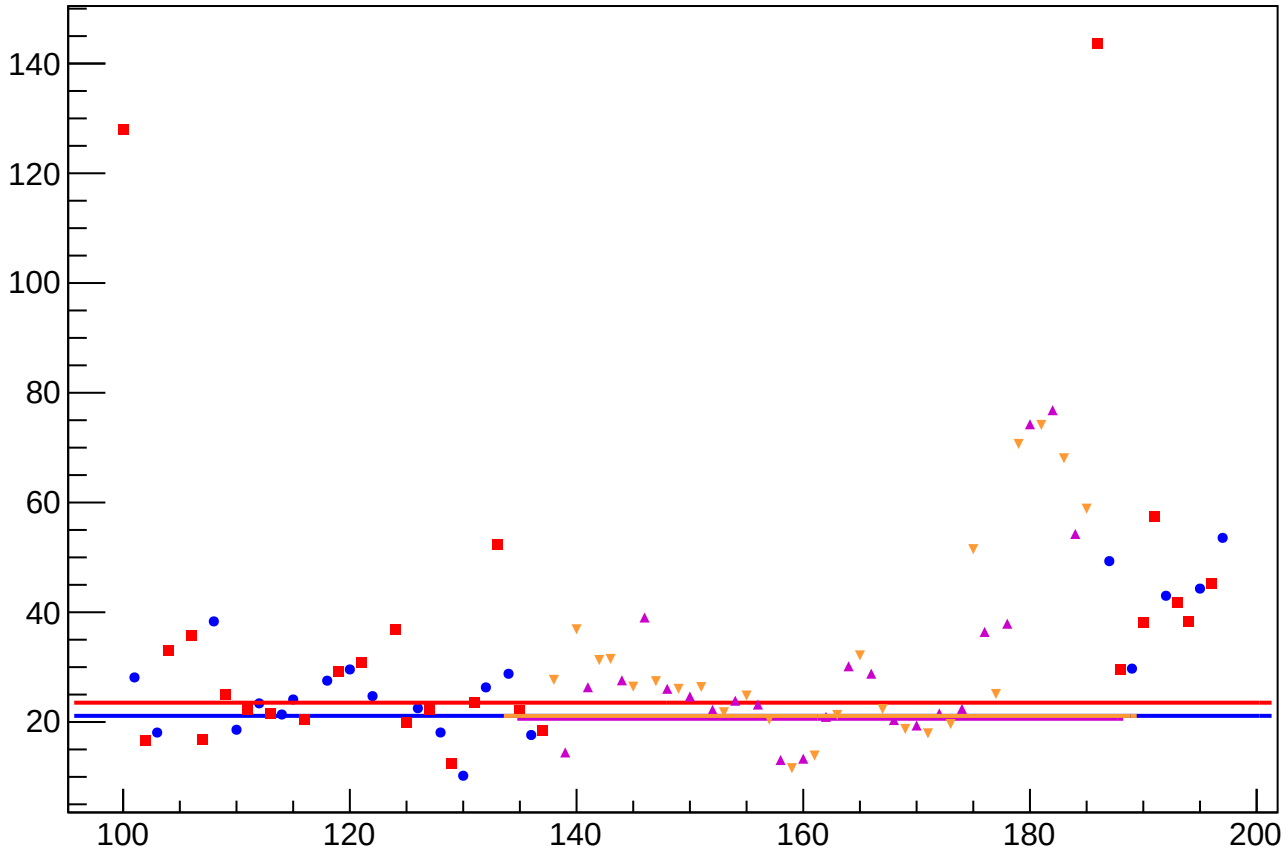
Right Out: 0.020+/-0.008 χ^2/NDF: 18.6/25

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 59.7/45

All: 0.006+/-0.003 χ^2/NDF: 106.9/94

- sign 0.009+/-0.004 χ^2/NDF: 46.0/48



Right In: 21.123+/-0.005 χ^2/NDF: 3257762.3/20

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

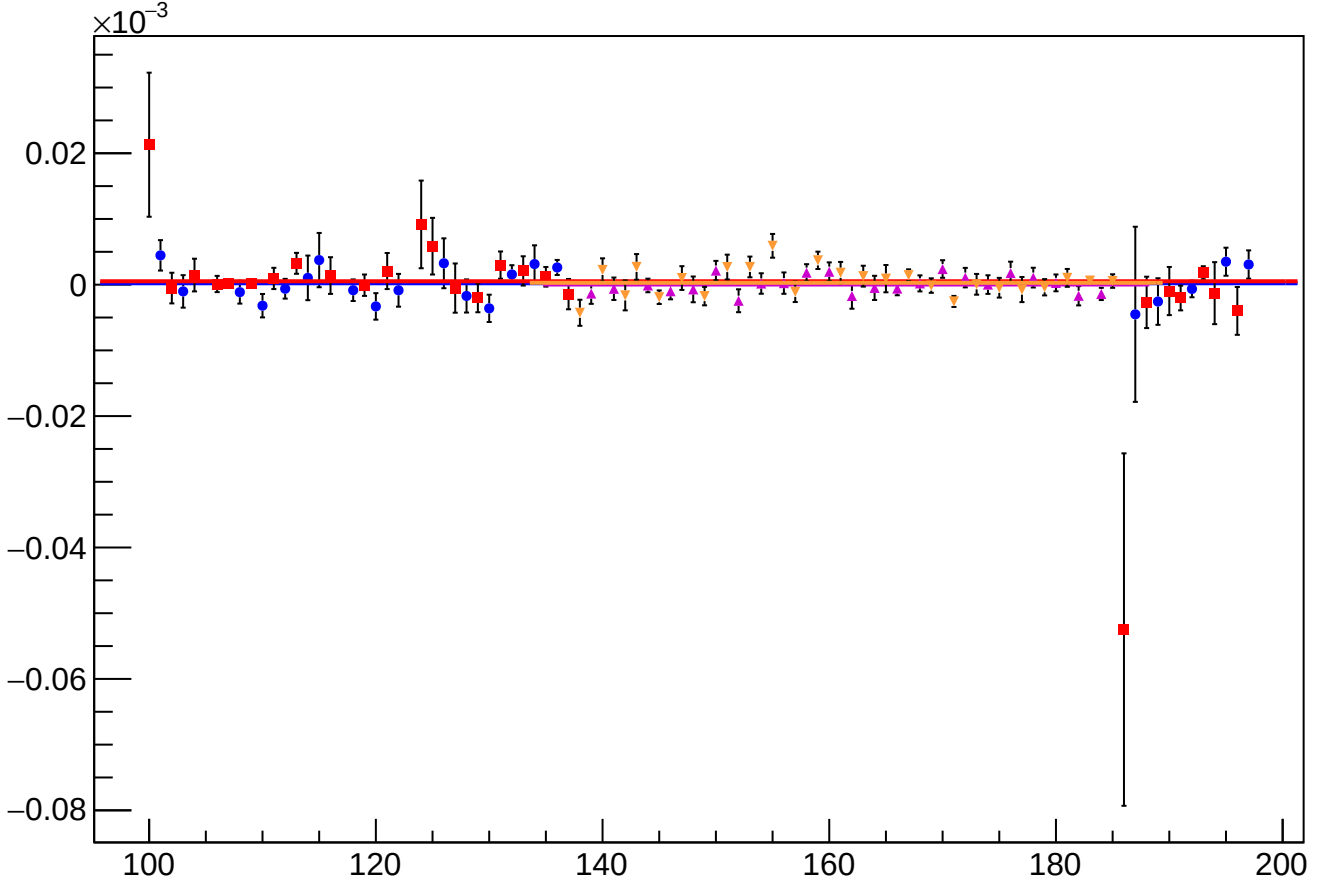
Right Out: 23.522+/-0.005 χ^2/NDF: 3222387.4/25

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.114+/-0.003 χ^2/NDF: 8804295.8/45

All: 21.332+/-0.002 χ^2/NDF: 16827896.6/94

- sign 21.557+/-0.003 χ^2/NDF: 8013533.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 28.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/25

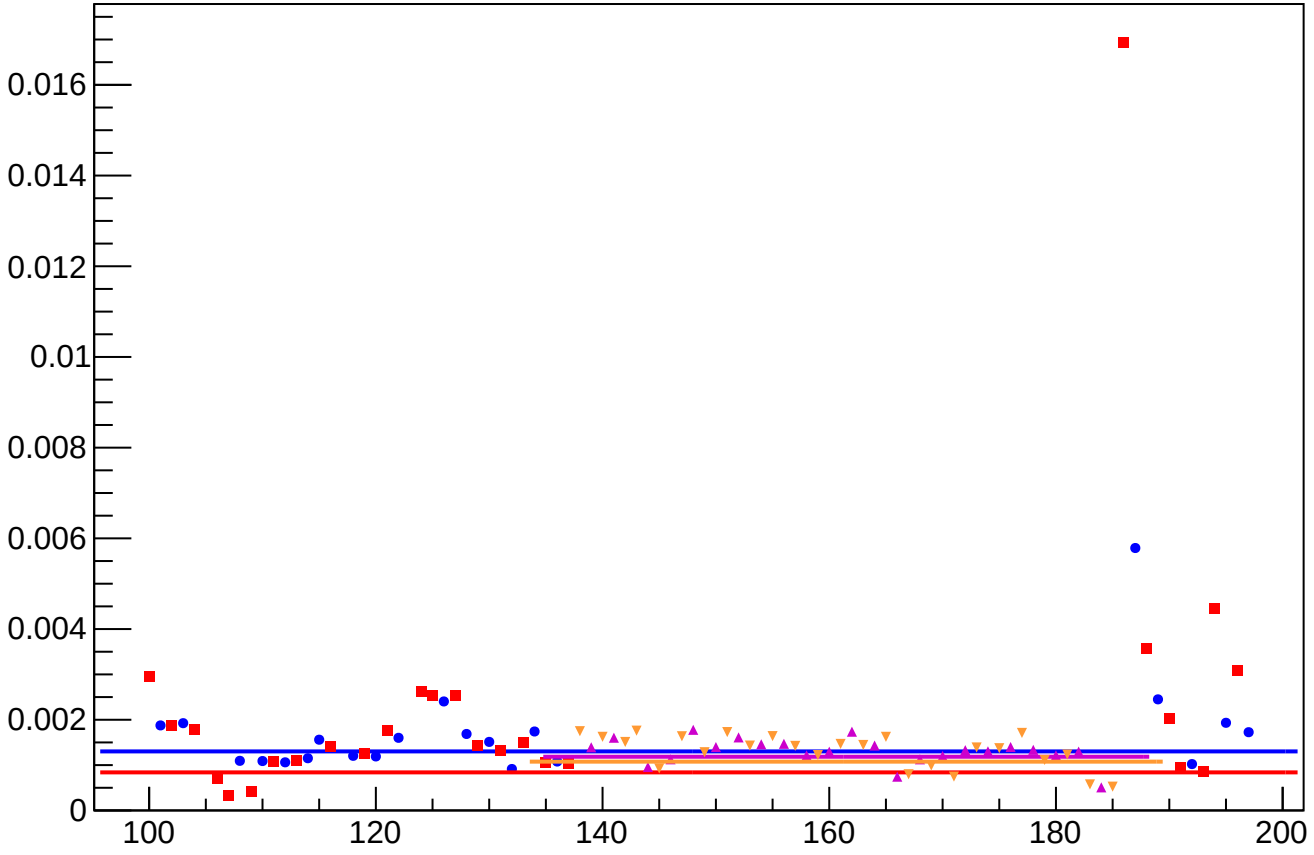
Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 81.6/45

All: 0.000+/-0.000 χ^2/NDF: 128.3/94

- sign 0.000+/-0.000 χ^2/NDF: 46.8/48

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1707213.0/20

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

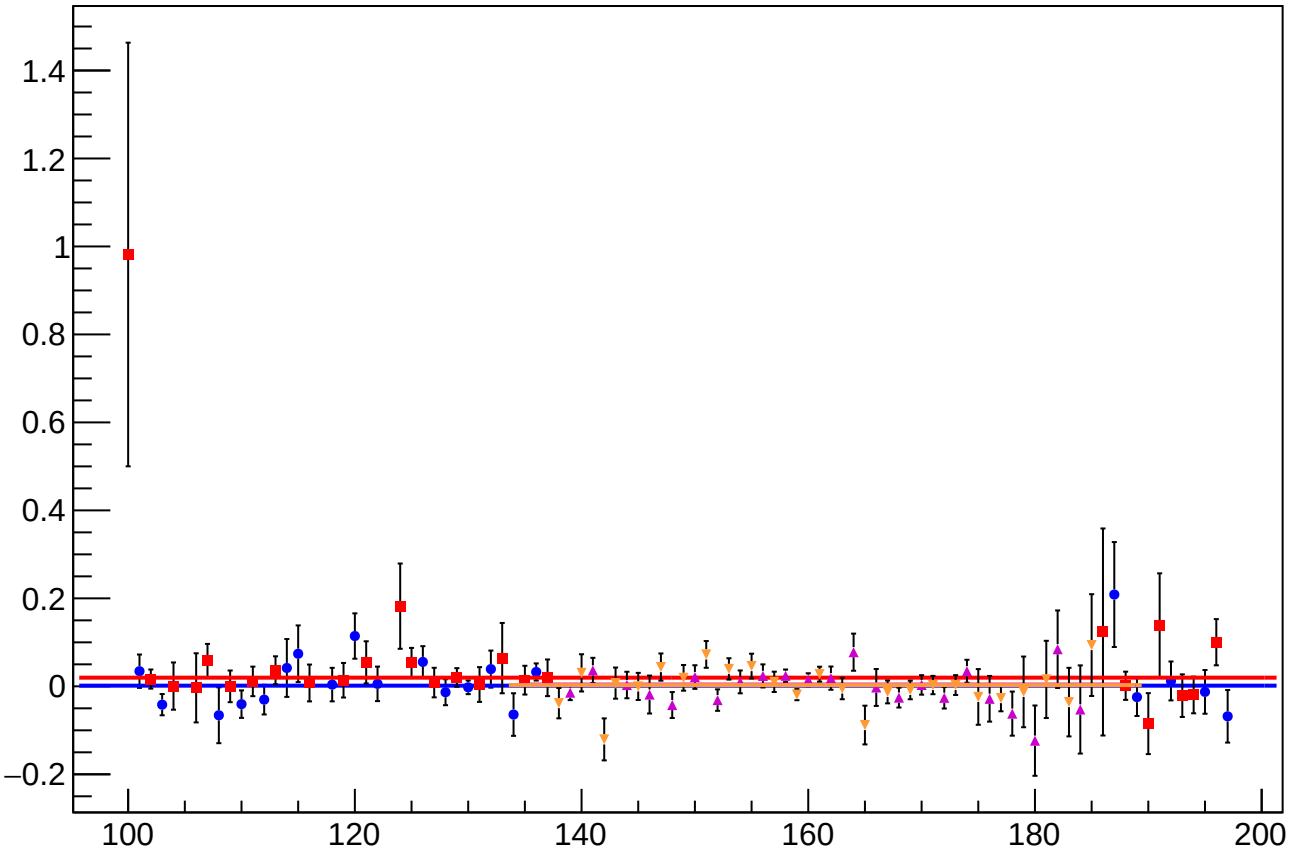
Right Out: 0.001+/-0.000 χ^2/NDF: 8634902.3/25

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 6650796.6/45

All: 0.001+/-0.000 χ^2/NDF: 19323739.1/94

- sign 0.001+/-0.000 χ^2/NDF: 12409339.7/48



Right In: 0.002+/-0.007 χ^2/NDF: 26.9/20

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

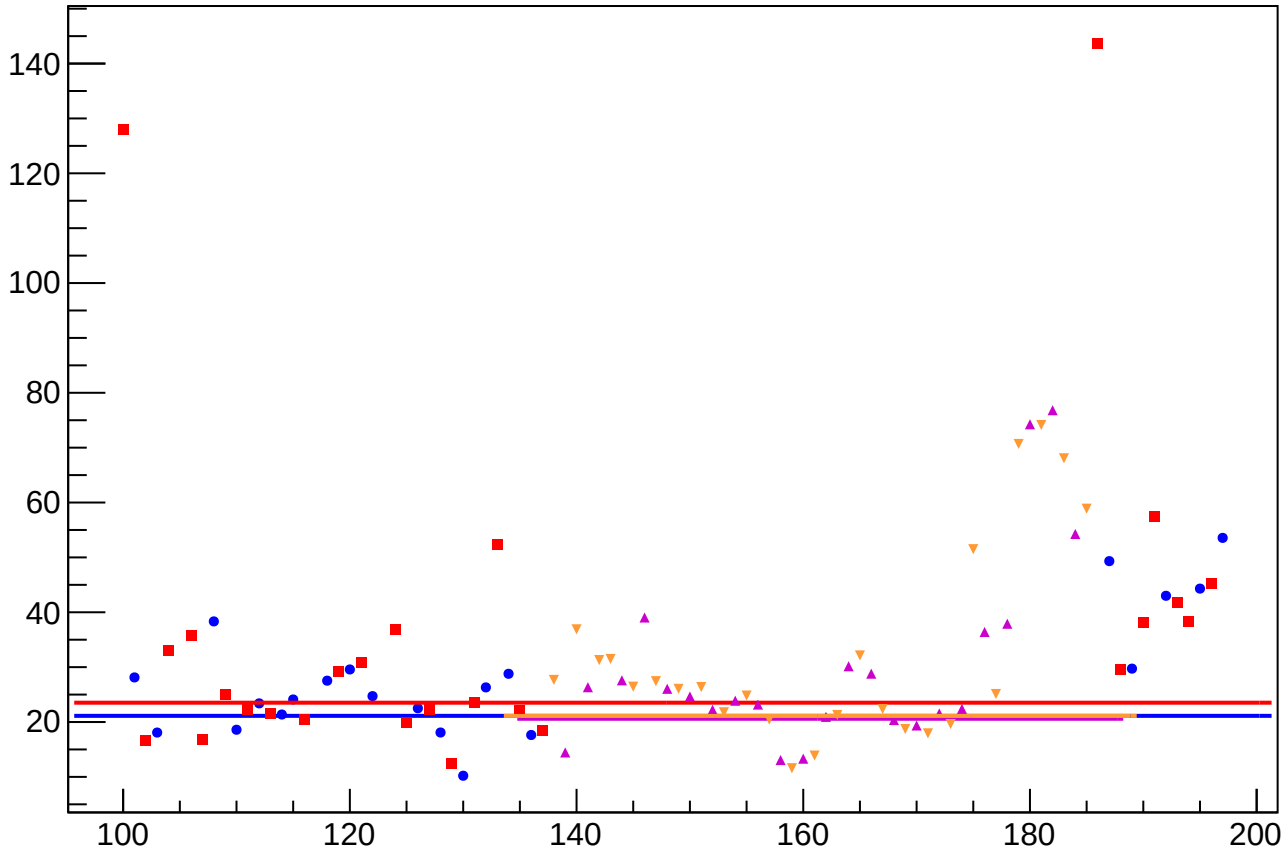
Right Out: 0.020+/-0.008 χ^2/NDF: 18.6/25

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 59.7/45

All: 0.006+/-0.003 χ^2/NDF: 106.9/94

- sign 0.009+/-0.004 χ^2/NDF: 46.0/48



Right In: 21.124+/-0.005 χ^2/NDF: 3257568.8/20

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

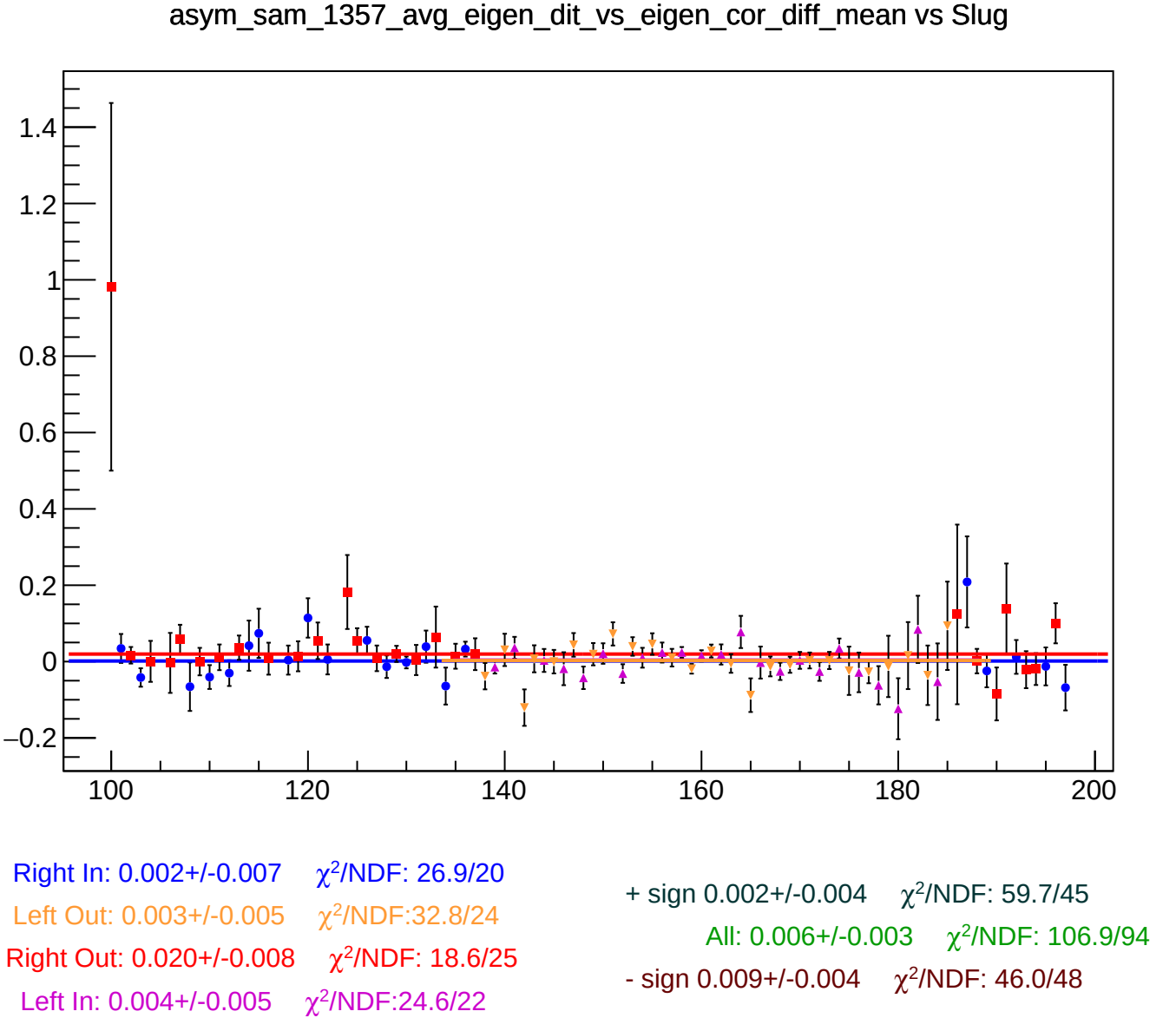
Right Out: 23.522+/-0.005 χ^2/NDF: 3222359.9/25

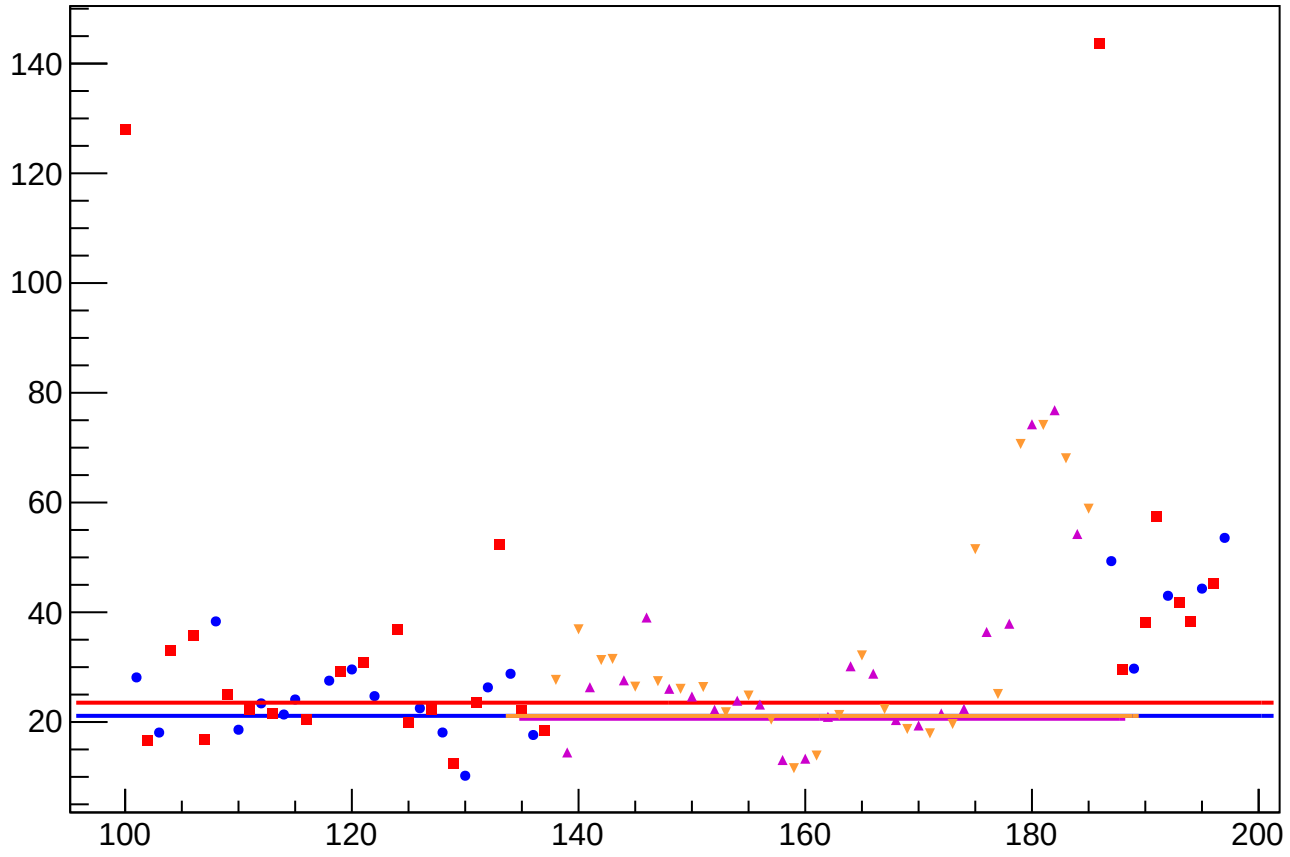
Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.114+/-0.003 χ^2/NDF: 8804237.5/45

All: 21.333+/-0.002 χ^2/NDF: 16827812.3/94

- sign 21.558+/-0.003 χ^2/NDF: 8013505.5/48


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: 0.002+/-0.007 χ²/NDF: 26.9/20
Left Out: 0.003+/-0.005 χ²/NDF:32.8/24
Right Out: 0.020+/-0.008 χ²/NDF: 18.6/25
Left In: 0.004+/-0.005 χ²/NDF:24.6/22
+ sign 0.002+/-0.004 χ²/NDF: 59.7/45
All: 0.006+/-0.003 χ²/NDF: 106.9/94
- sign 0.009+/-0.004 χ²/NDF: 46.0/48



Right In: 21.124+/-0.005 χ^2/NDF: 3257568.8/20

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

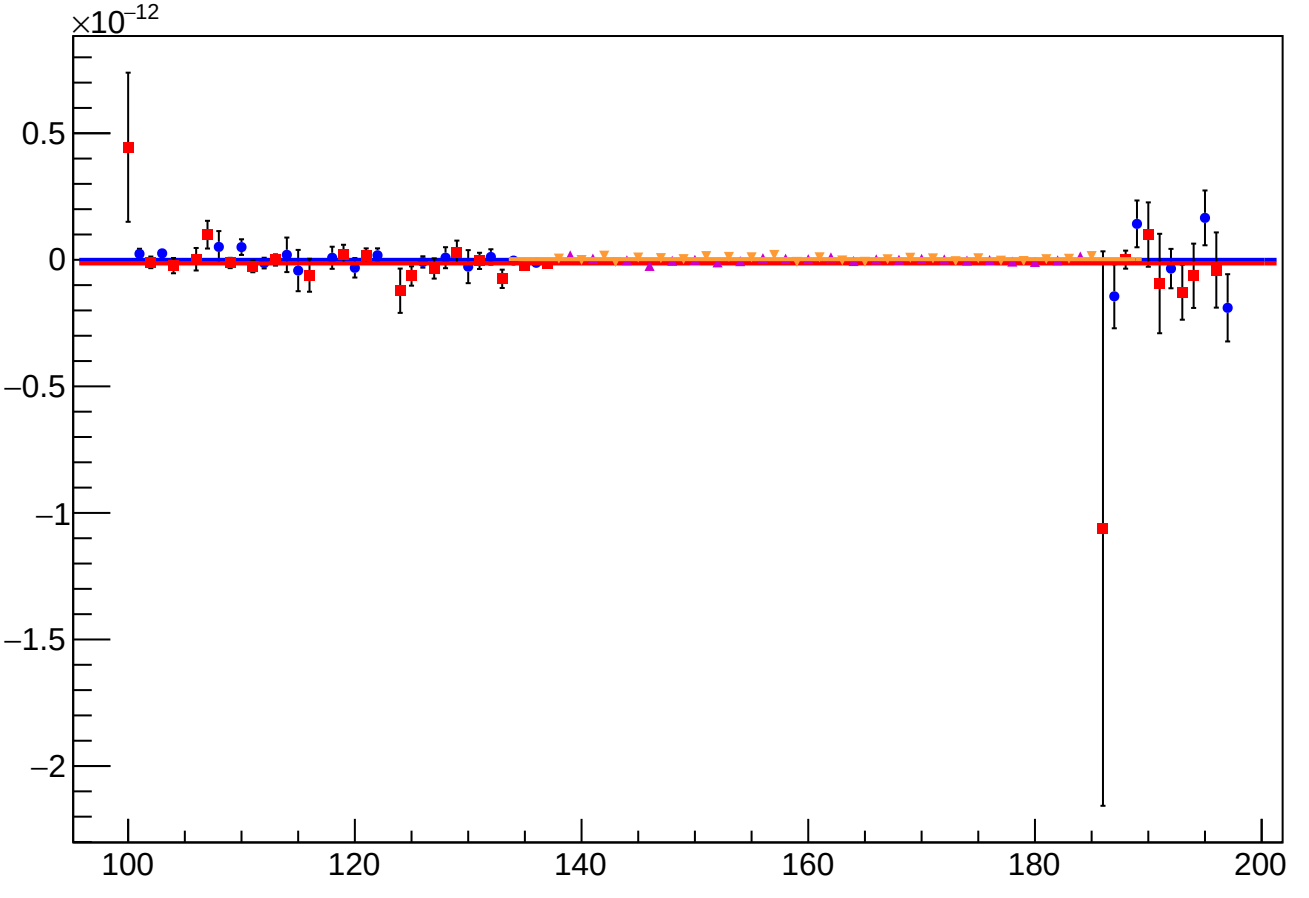
Right Out: 23.522+/-0.005 χ^2/NDF: 3222359.9/25

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.114+/-0.003 χ^2/NDF: 8804237.5/45

All: 21.333+/-0.002 χ^2/NDF: 16827812.3/94

- sign 21.558+/-0.003 χ^2/NDF: 8013505.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/20

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

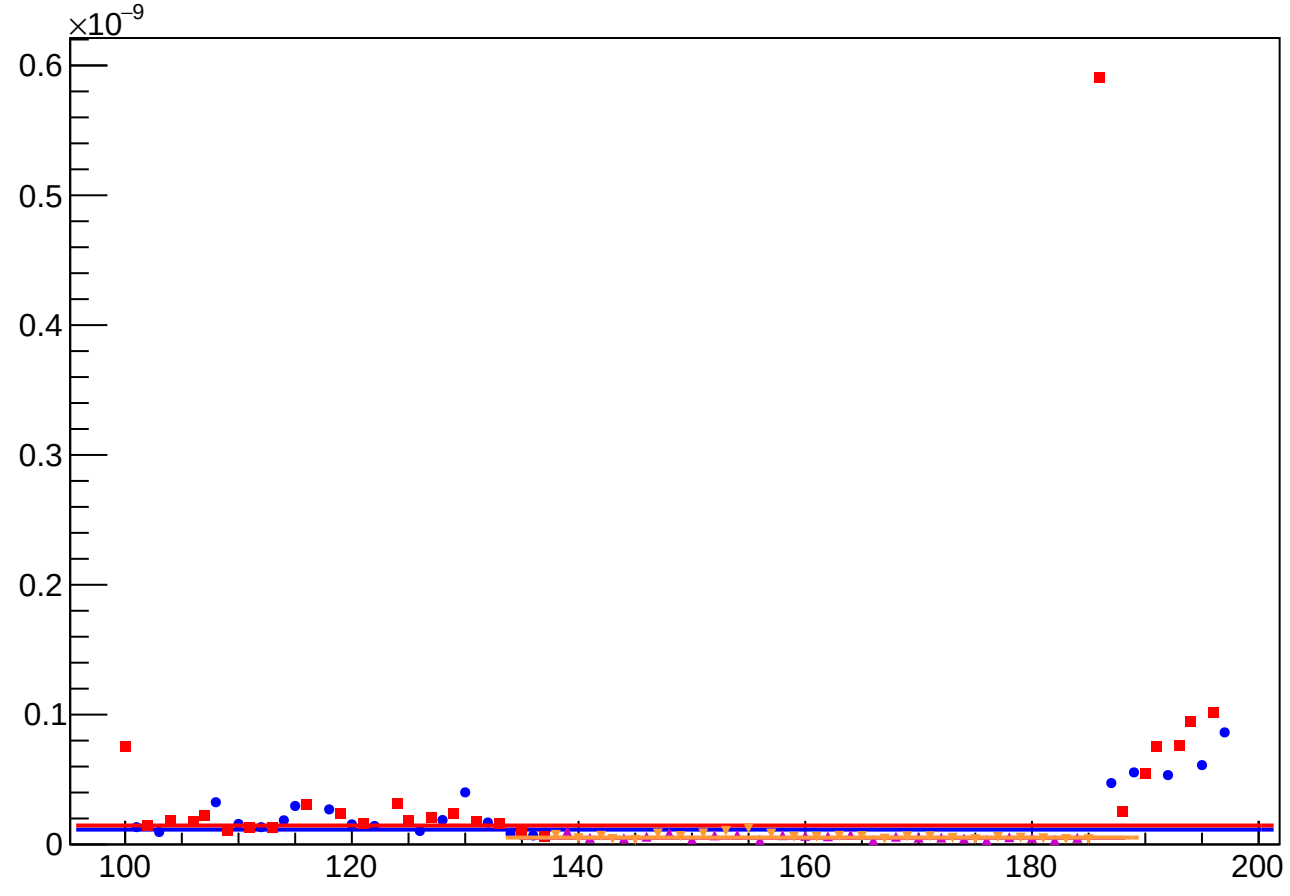
Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/25

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.6/45

All: 0.000+/-0.000 χ^2/NDF: 89.8/94

- sign -0.000+/-0.000 χ^2/NDF: 46.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 4123403.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4713968.4/25

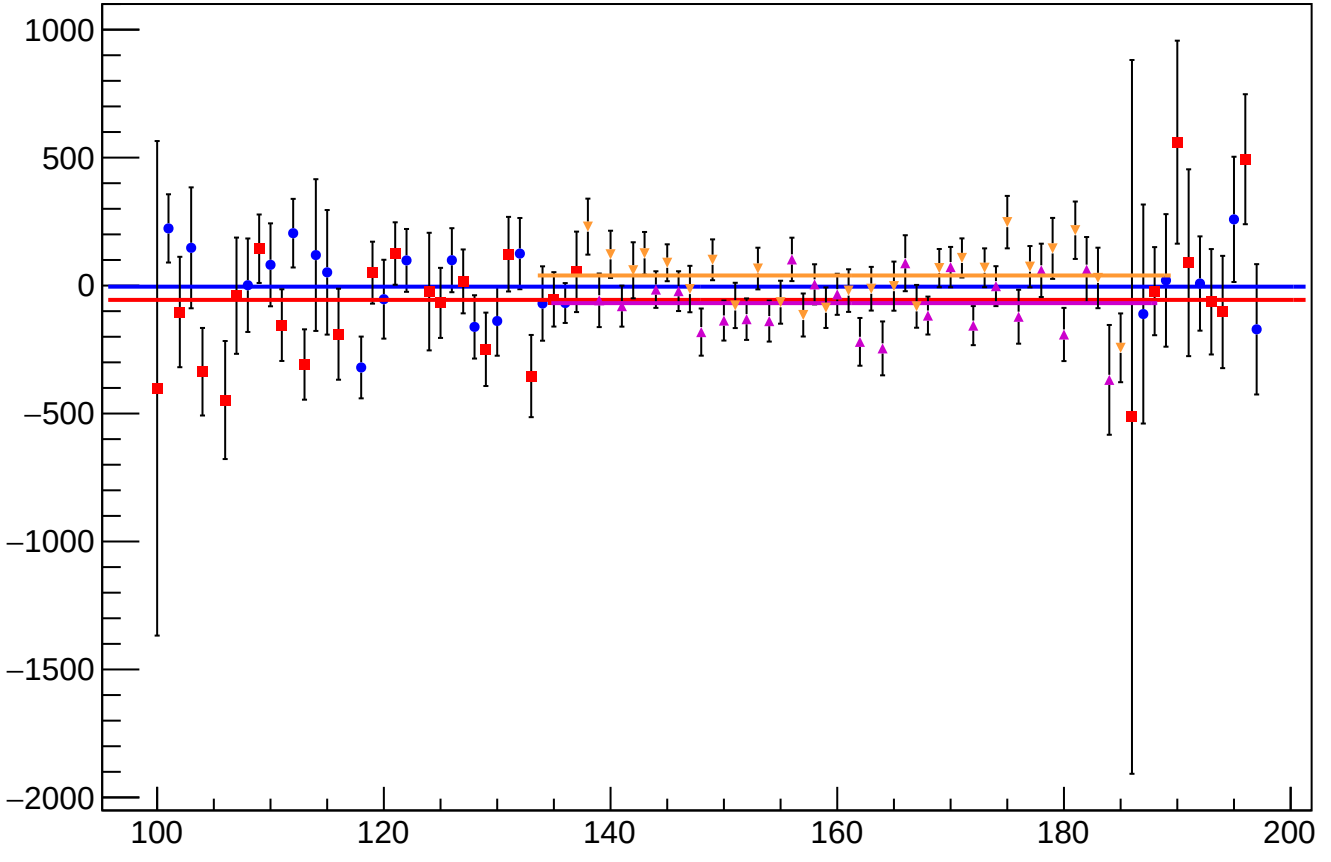
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8466675.4/45

All: 0.000+/-0.000 χ^2/NDF: 19068082.2/94

- sign 0.000+/-0.000 χ^2/NDF: 10596756.3/48

reg_asym_sam_2468_avg_mean vs Slug



Right In: -4.252+/-32.745 χ^2/NDF: 20.6/20

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -55.950+/-32.795 χ^2/NDF: 30.5/25

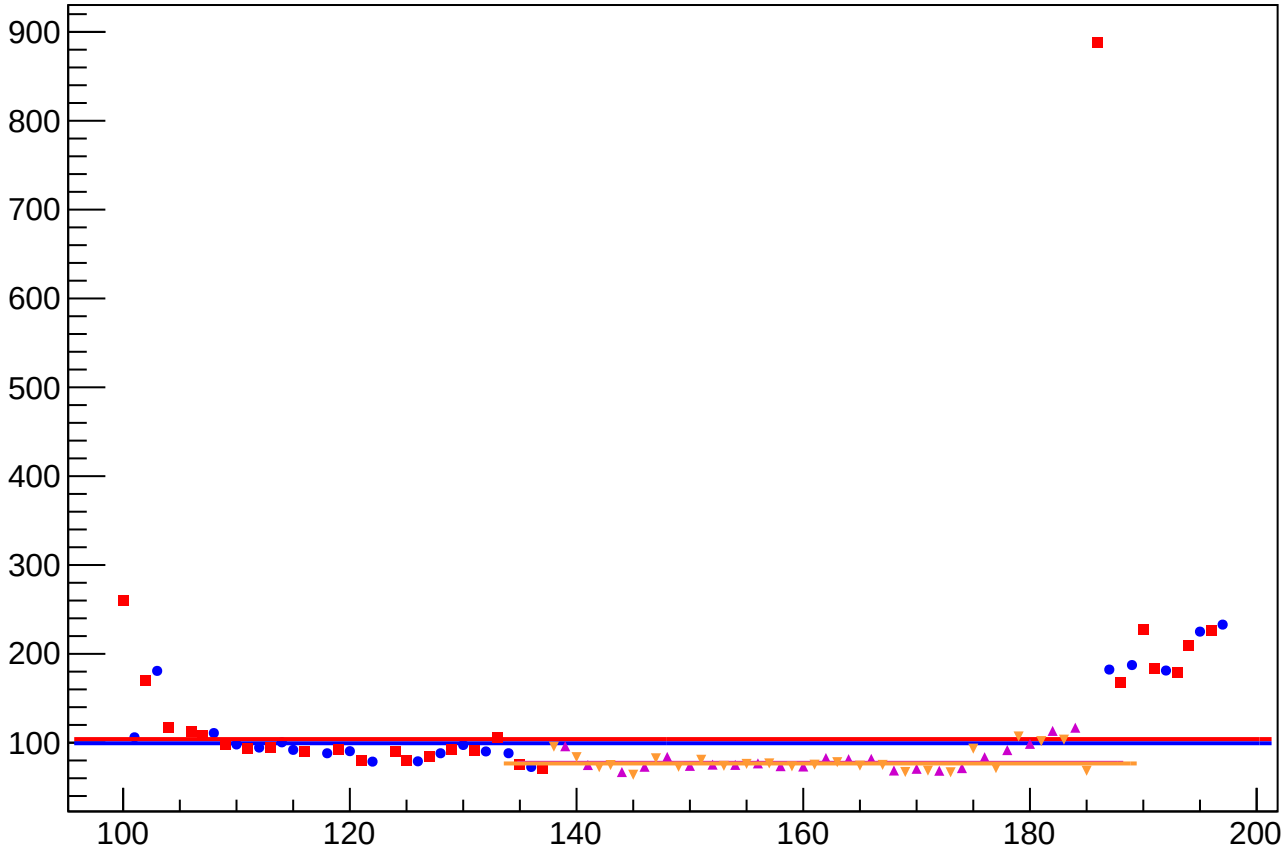
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.619+/-15.548 χ^2/NDF: 53.9/45

All: -16.654+/-11.148 χ^2/NDF: 131.7/94

- sign -65.607+/-15.992 χ^2/NDF: 59.6/48

reg_asym_sam_2468_avg_rms vs Slug



Right In: 99.400+/-0.023 χ^2/NDF: 2439370.1/20

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

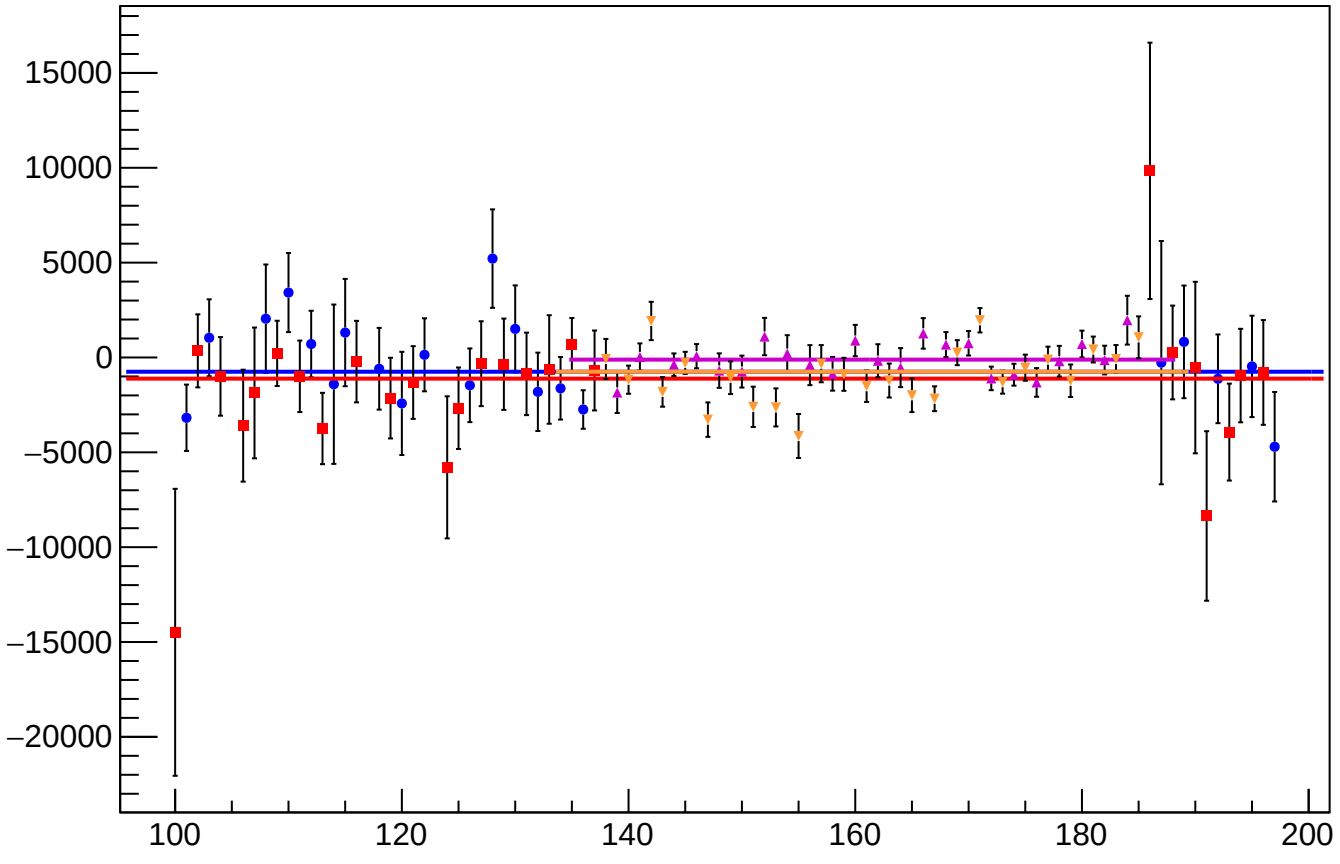
Right Out: 104.083+/-0.023 χ^2/NDF: 3162305.5/25

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 81.776+/-0.011 χ^2/NDF: 3841975.1/45

All: 82.714+/-0.008 χ^2/NDF: 8622702.0/94

- sign 83.705+/-0.011 χ^2/NDF: 4765766.8/48



Right In: -751.621+/-456.137 χ^2/NDF: 22.5/20

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1115.576+/-456.777 χ^2/NDF: 18.3/25

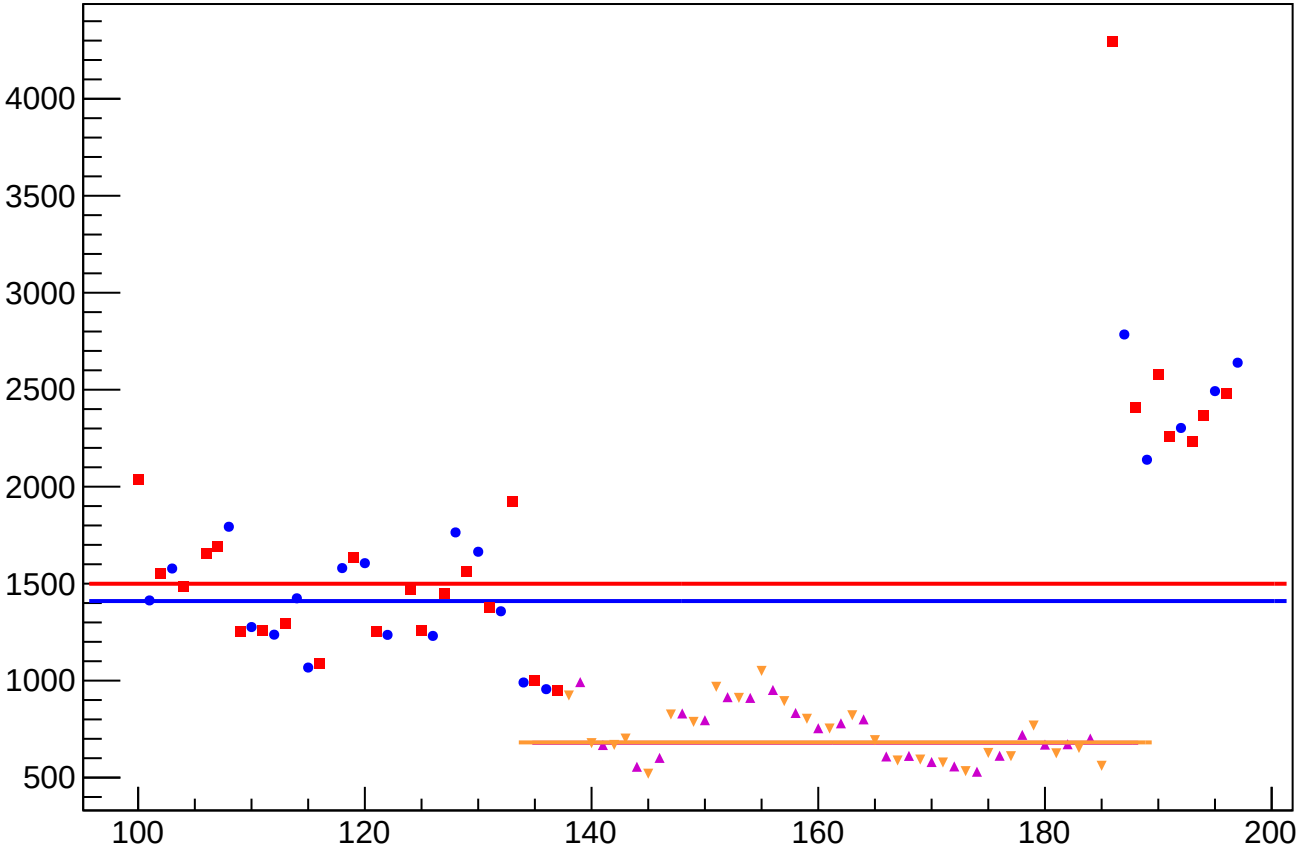
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -749.853+/-149.365 χ^2/NDF: 92.5/45

All: -493.155+/-106.716 χ^2/NDF: 146.1/94

- sign -225.493+/-152.522 χ^2/NDF: 47.6/48

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1410.249+/-0.323 χ^2/NDF: 1950781.4/20

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1499.479+/-0.323 χ^2/NDF: 2152712.2/25

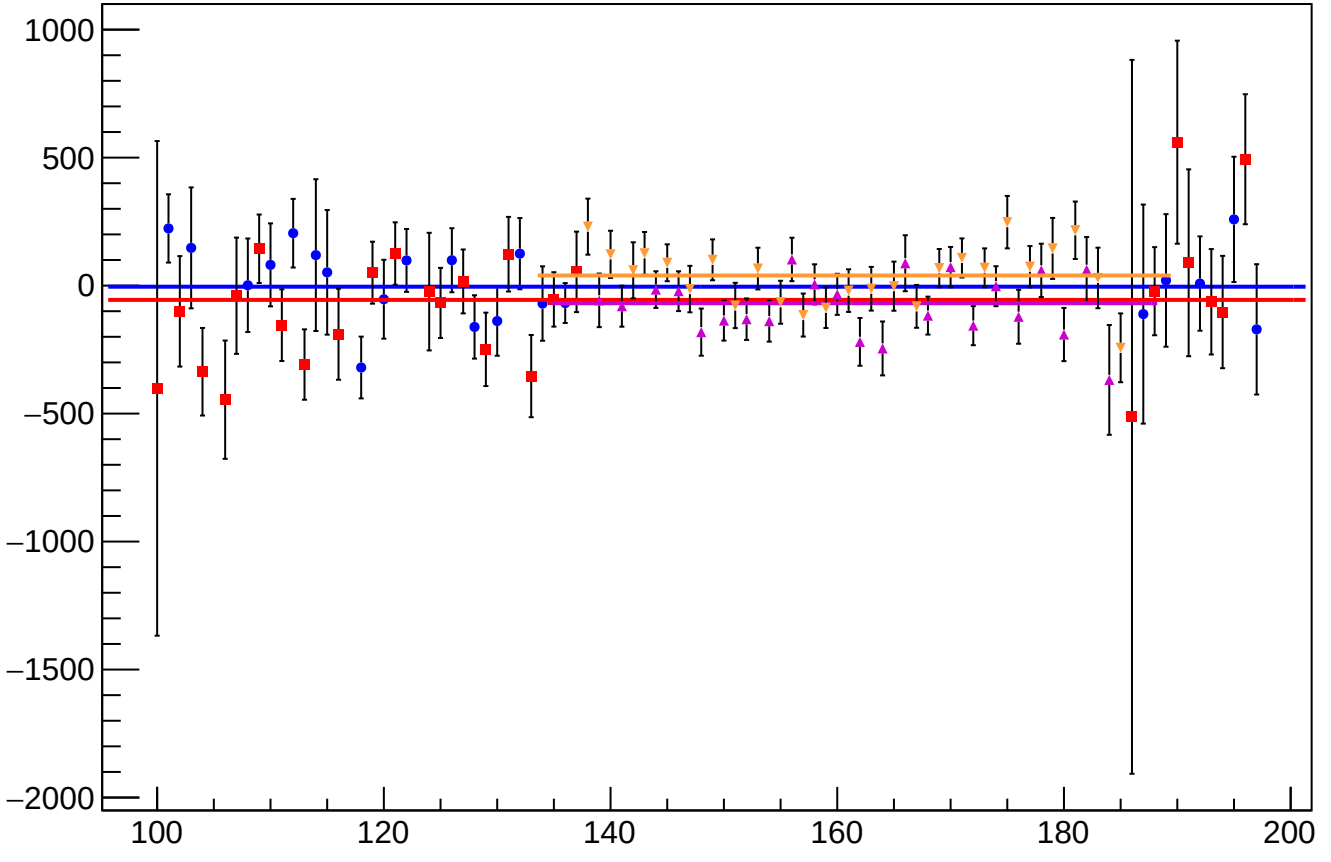
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 759.577+/-0.106 χ^2/NDF: 7843500.7/45

All: 765.094+/-0.075 χ^2/NDF: 16914735.1/94

- sign 770.847+/-0.108 χ^2/NDF: 9065660.1/48

cor_asym_sam_2468_avg_mean vs Slug



Right In: -4.261+/-32.745 χ^2/NDF: 20.6/20

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -55.821+/-32.797 χ^2/NDF: 30.4/25

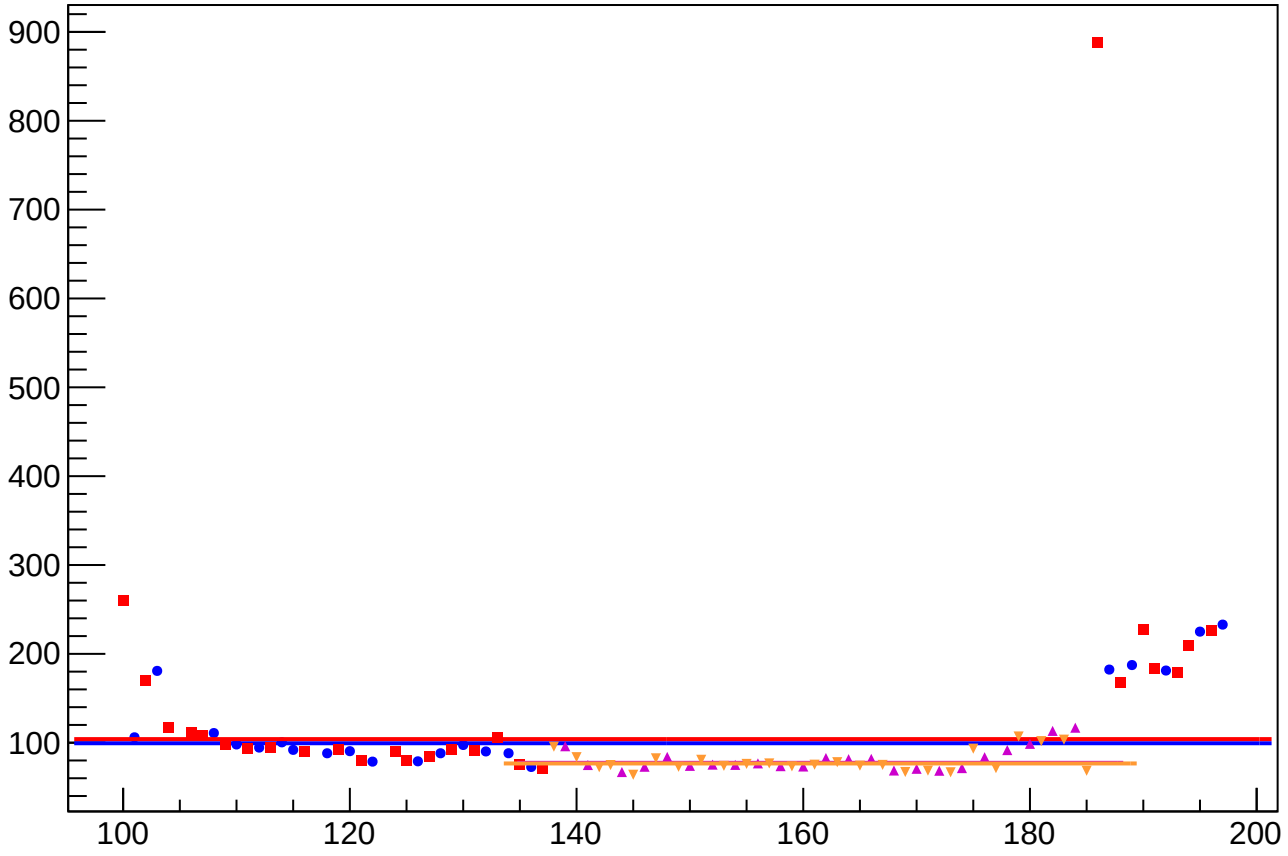
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.622+/-15.548 χ^2/NDF: 53.9/45

All: -16.637+/-11.148 χ^2/NDF: 131.7/94

- sign -65.577+/-15.992 χ^2/NDF: 59.5/48

cor_asym_sam_2468_avg_rms vs Slug



Right In: 99.400+/-0.023 χ^2/NDF: 2439373.7/20

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

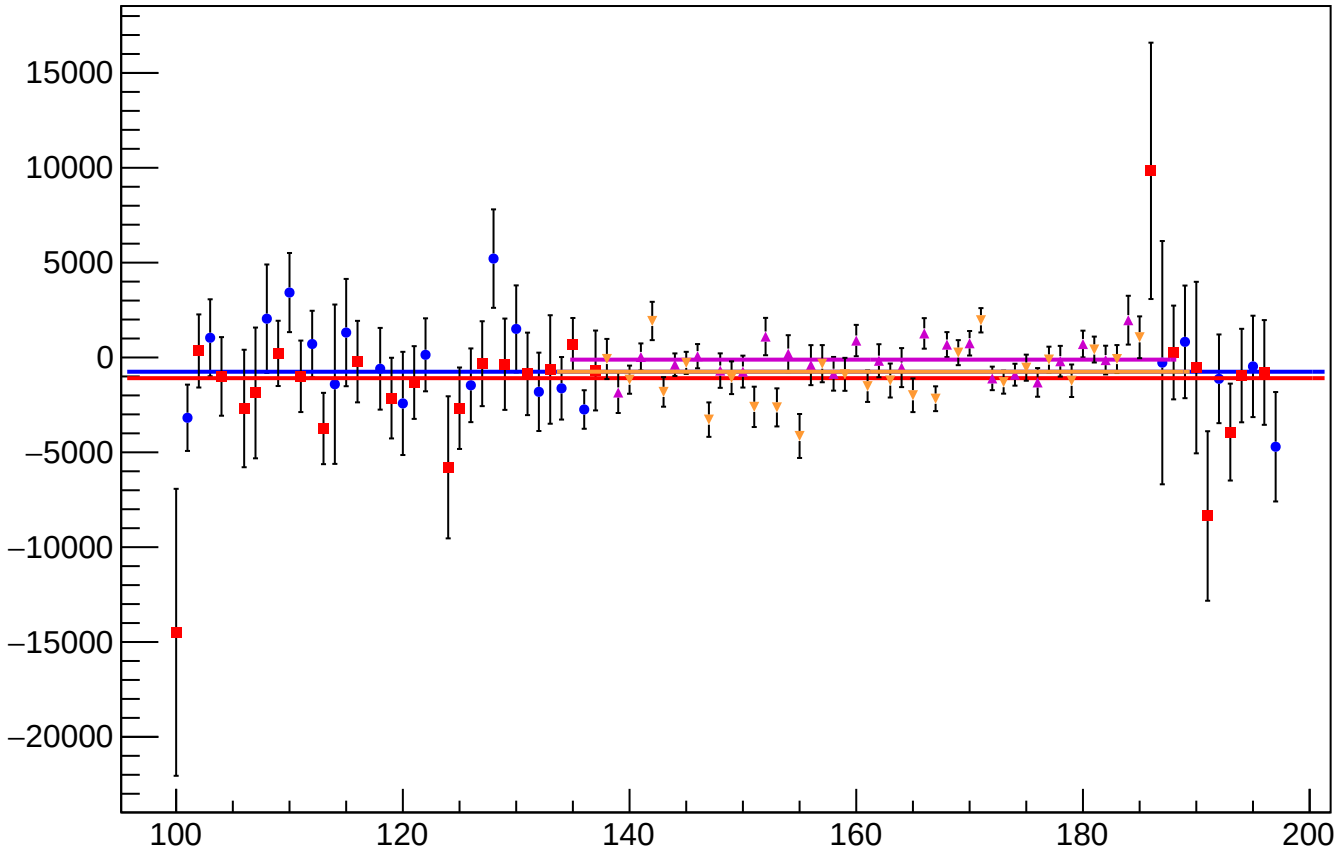
Right Out: 104.056+/-0.023 χ^2/NDF: 3161760.3/25

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 81.776+/-0.011 χ^2/NDF: 3841978.7/45

All: 82.710+/-0.008 χ^2/NDF: 8619937.9/94

- sign 83.698+/-0.011 χ^2/NDF: 4763105.8/48



Right In: -751.592+/-456.139 χ^2/NDF: 22.5/20

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -1090.845+/-457.297 χ^2/NDF: 17.8/25

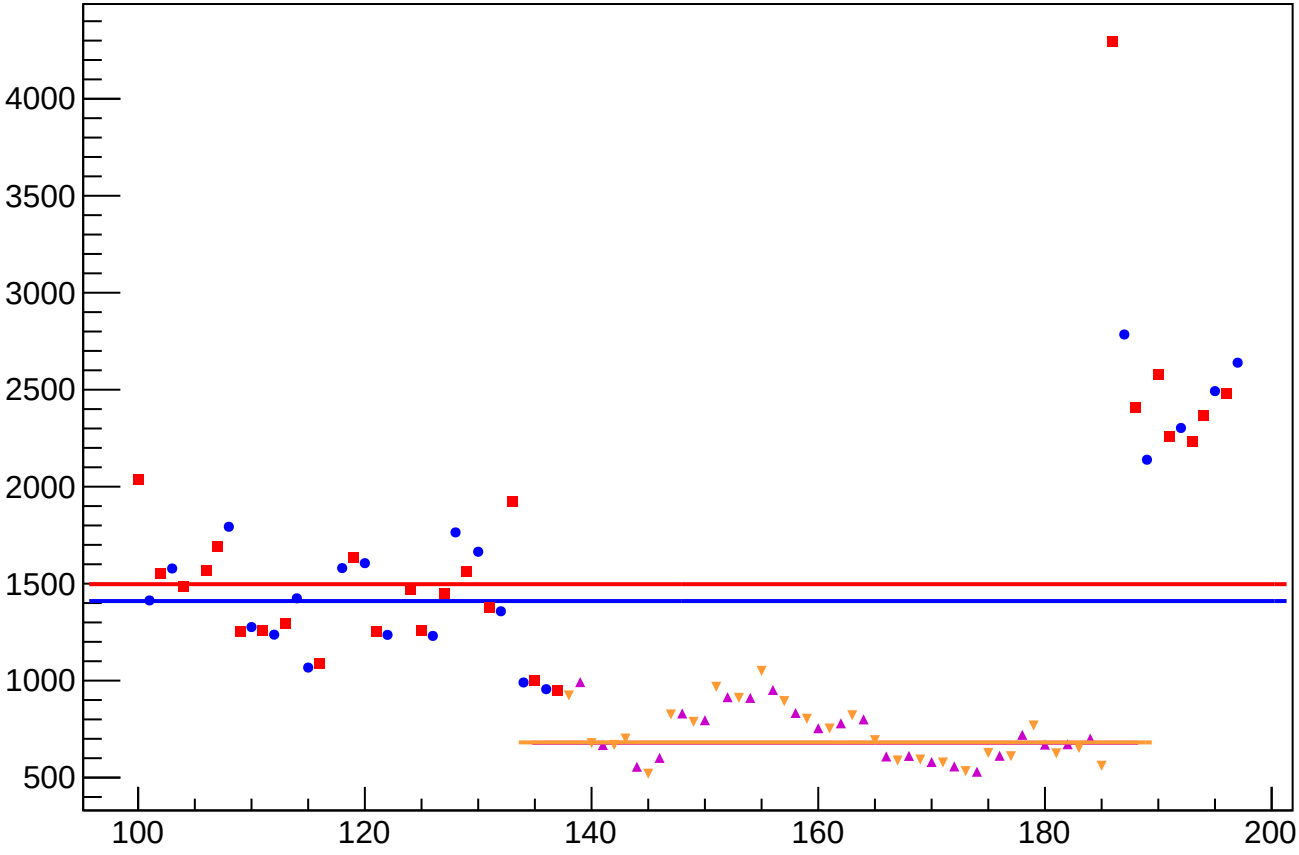
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -749.842+/-149.365 χ^2/NDF: 92.5/45

All: -491.726+/-106.722 χ^2/NDF: 145.5/94

- sign -222.515+/-152.541 χ^2/NDF: 46.9/48

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1410.253+/-0.323 χ^2/NDF: 1950799.8/20

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1497.305+/-0.323 χ^2/NDF: 2148159.7/25

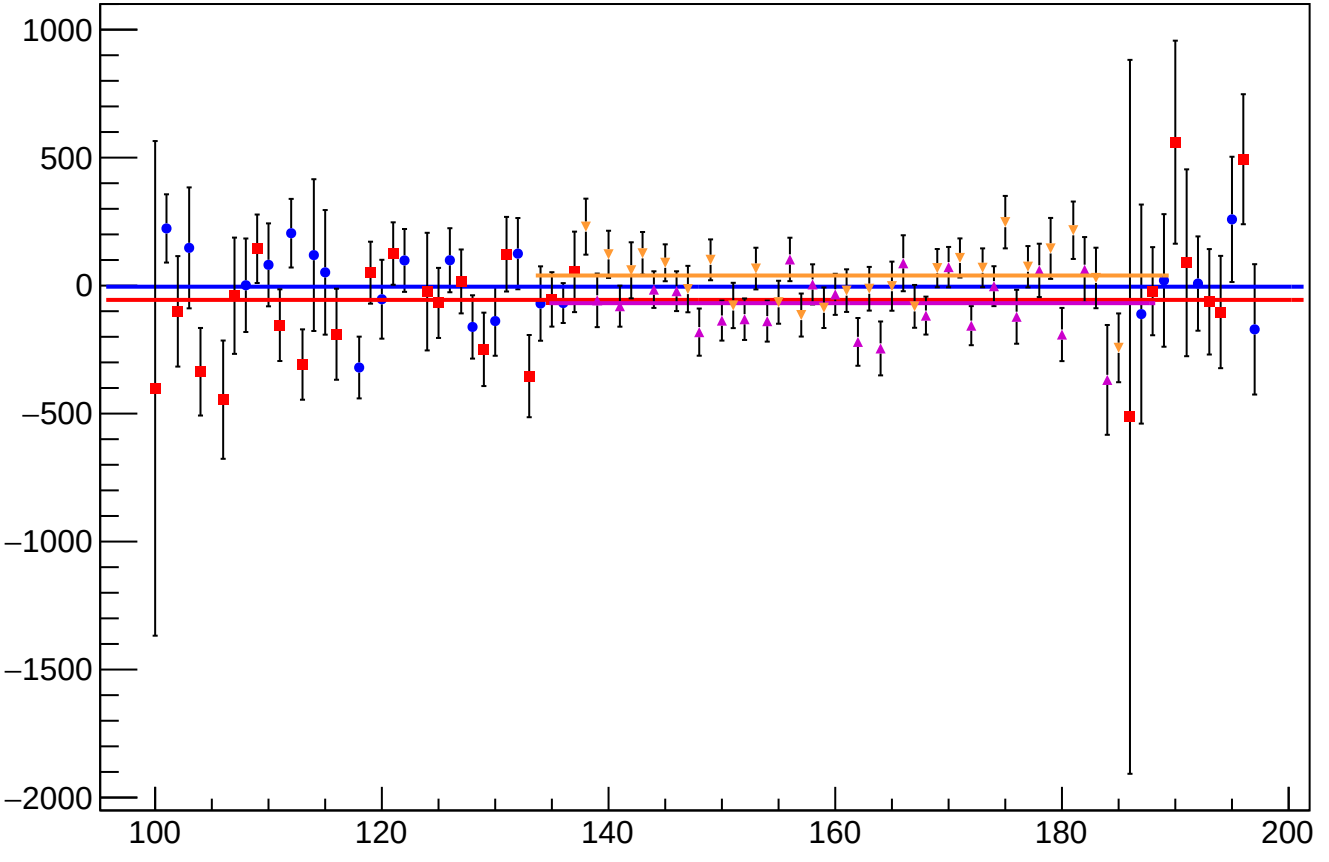
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 759.577+/-0.106 χ^2/NDF: 7843543.9/45

All: 764.884+/-0.075 χ^2/NDF: 16867964.6/94

- sign 770.421+/-0.108 χ^2/NDF: 9019260.7/48

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -4.261+/-32.745 χ^2/NDF: 20.6/20

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -55.821+/-32.797 χ^2/NDF: 30.4/25

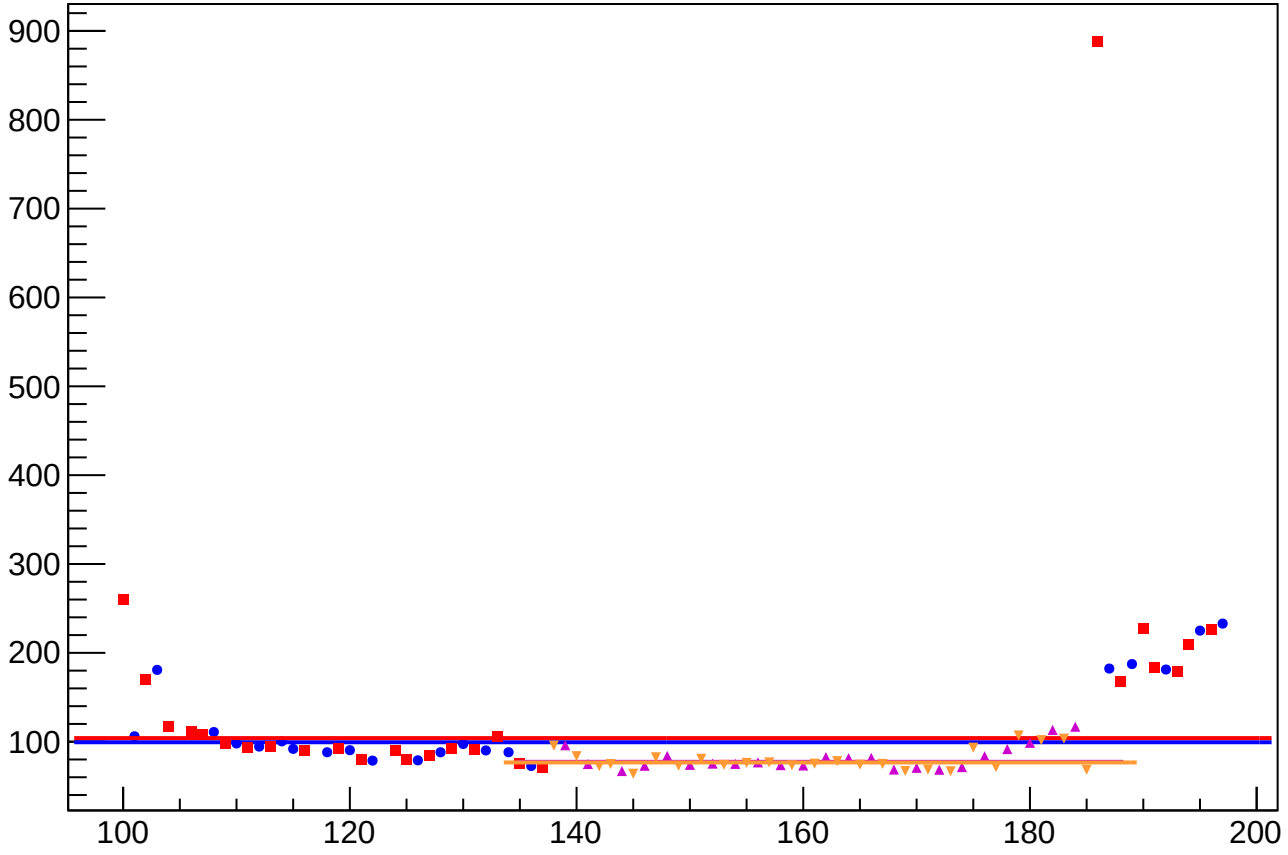
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.622+/-15.548 χ^2/NDF: 53.9/45

All: -16.637+/-11.148 χ^2/NDF: 131.7/94

- sign -65.577+/-15.992 χ^2/NDF: 59.5/48

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 99.400+/-0.023 χ^2/NDF: 2439373.7/20

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

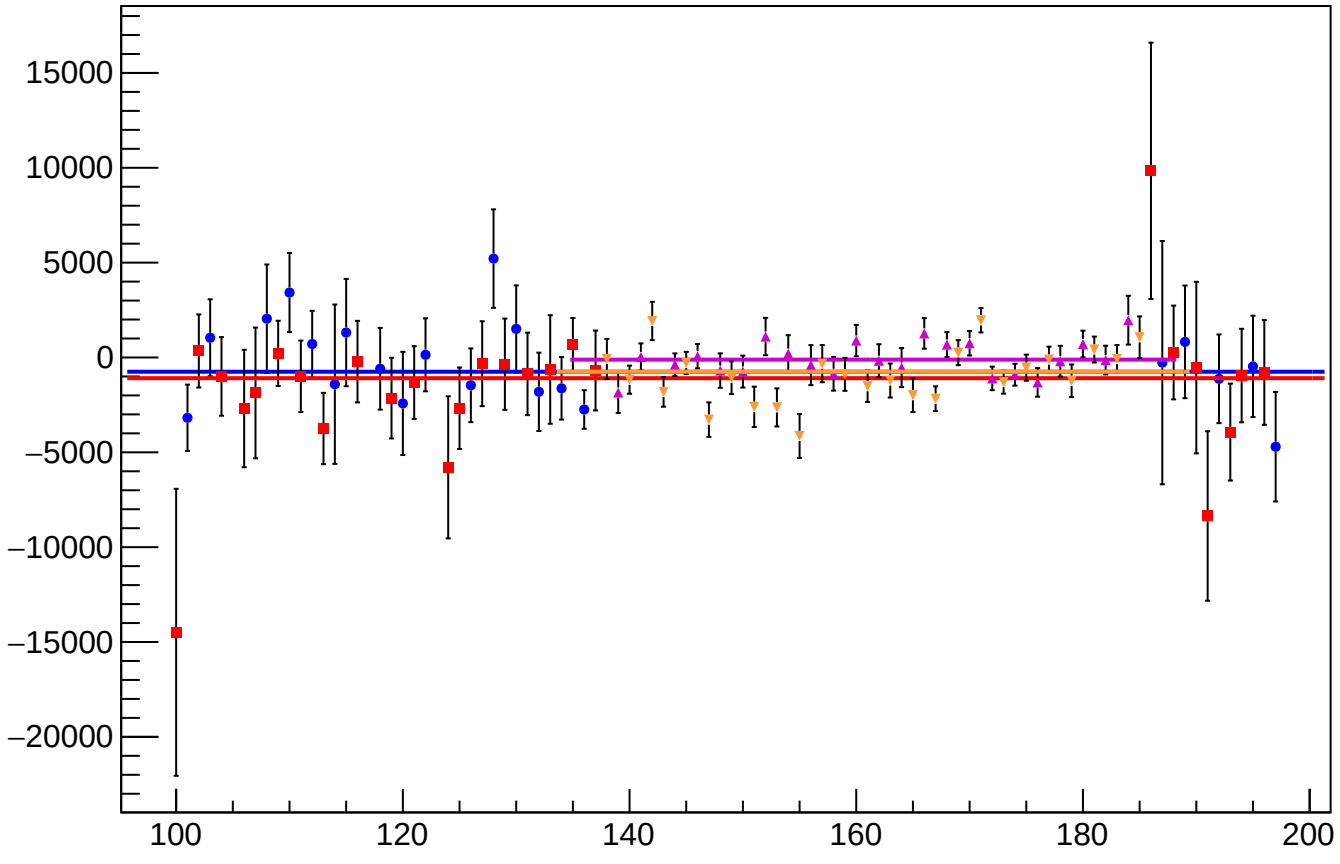
Right Out: 104.056+/-0.023 χ^2/NDF: 3161760.3/25

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 81.776+/-0.011 χ^2/NDF: 3841978.7/45

All: 82.710+/-0.008 χ^2/NDF: 8619937.9/94

- sign 83.698+/-0.011 χ^2/NDF: 4763105.8/48



Right In: -751.592+/-456.139 χ^2/NDF: 22.5/20

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

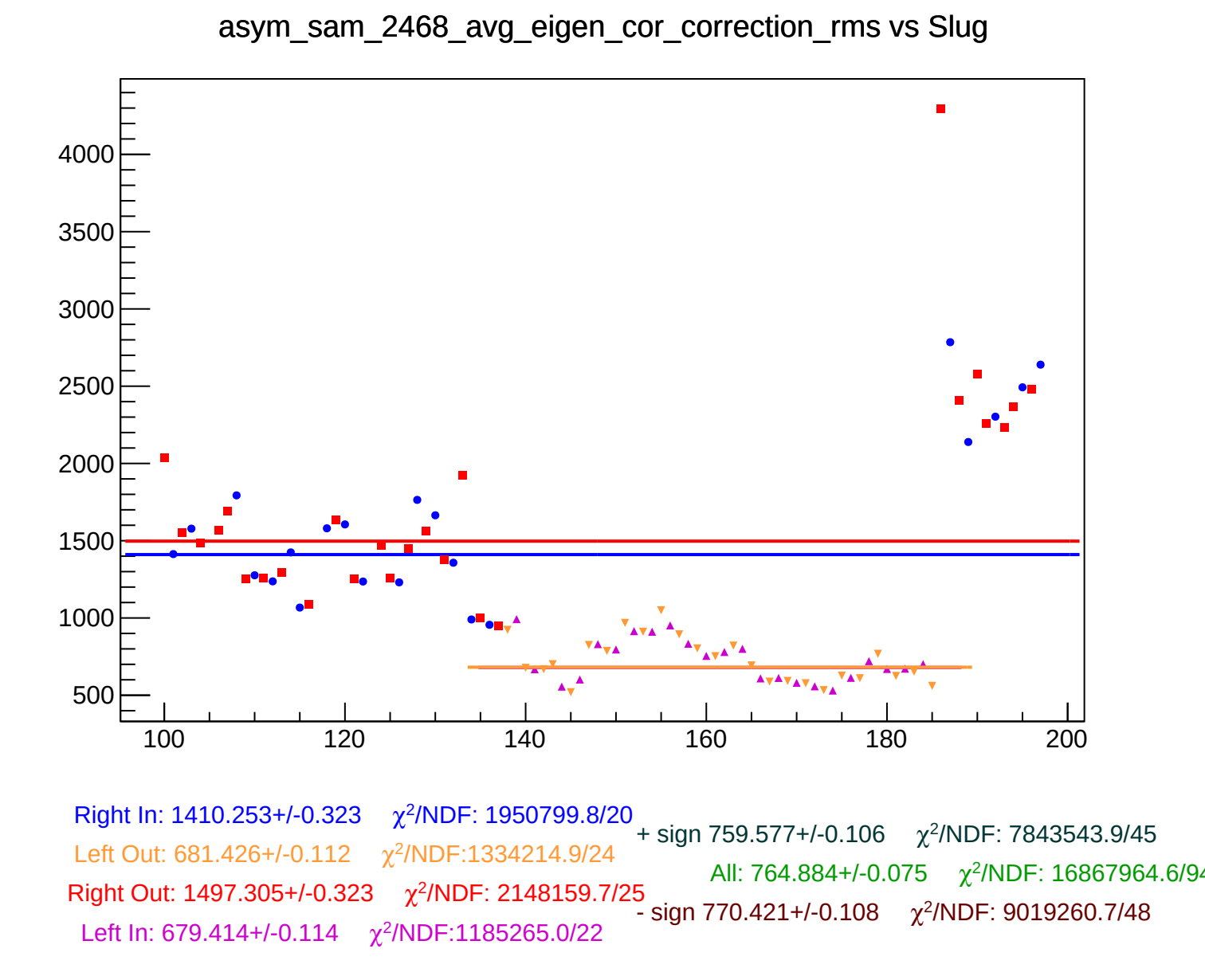
Right Out: -1090.845+/-457.297 χ^2/NDF: 17.8/25

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

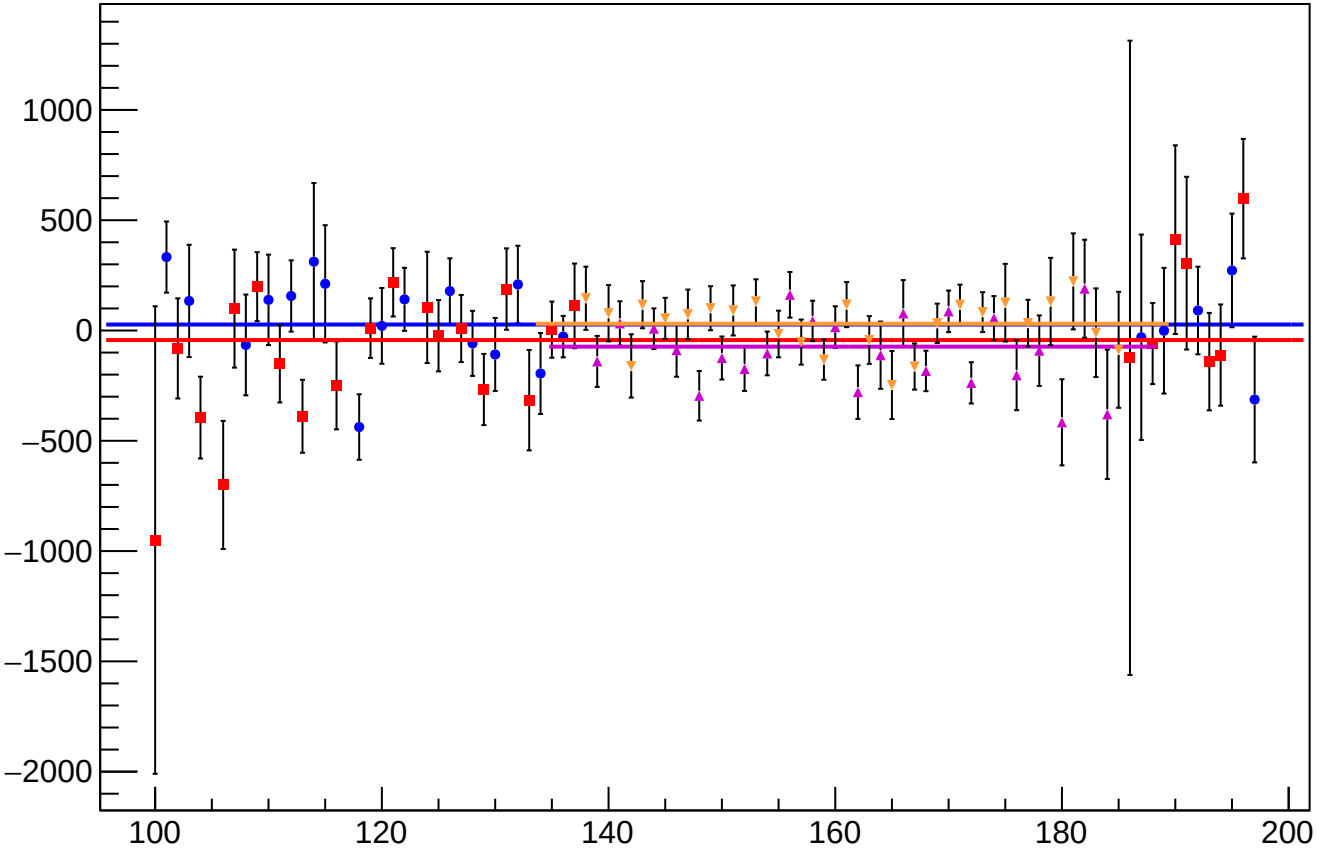
+ sign -749.842+/-149.365 χ^2/NDF: 92.5/45

All: -491.726+/-106.722 χ^2/NDF: 145.5/94

- sign -222.515+/-152.541 χ^2/NDF: 46.9/48


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: 1410.253+/-0.323 χ²/NDF: 1950799.8/20
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1497.305+/-0.323 χ²/NDF: 2148159.7/25
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
+ sign 759.577+/-0.106 χ²/NDF: 7843543.9/45
All: 764.884+/-0.075 χ²/NDF: 16867964.6/94
- sign 770.421+/-0.108 χ²/NDF: 9019260.7/48

dit_asym_sam_2468_avg_mean vs Slug



Right In: 27.122+/-38.977 χ^2/NDF: 23.8/20

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -43.393+/-38.489 χ^2/NDF: 35.0/25

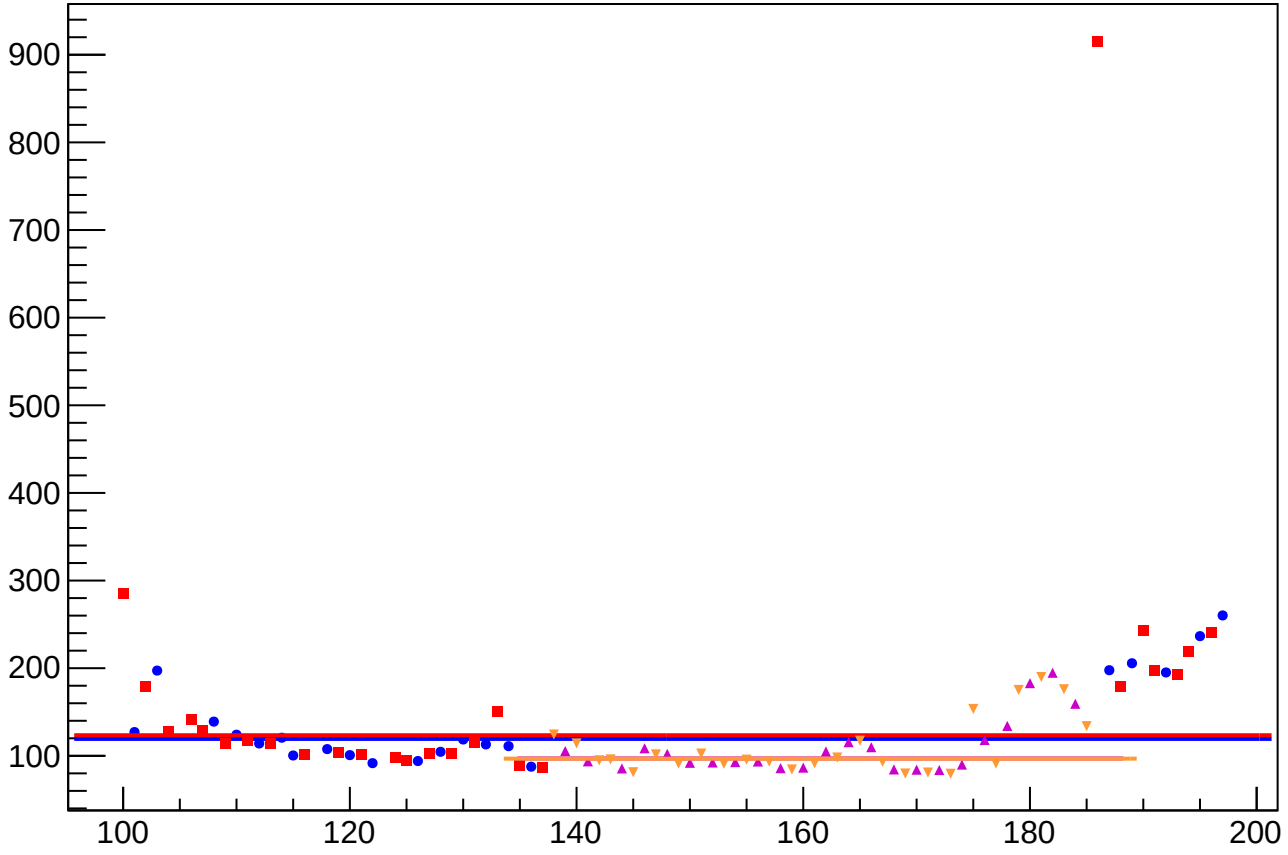
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.773+/-19.716 χ^2/NDF: 43.8/45

All: -16.816+/-14.063 χ^2/NDF: 125.0/94

- sign -65.062+/-20.063 χ^2/NDF: 69.9/48

dit_asym_sam_2468_avg_rms vs Slug



Right In: 119.320+/-0.028 χ^2/NDF: 2077980.6/20

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 123.520+/-0.027 χ^2/NDF: 2645155.0/25

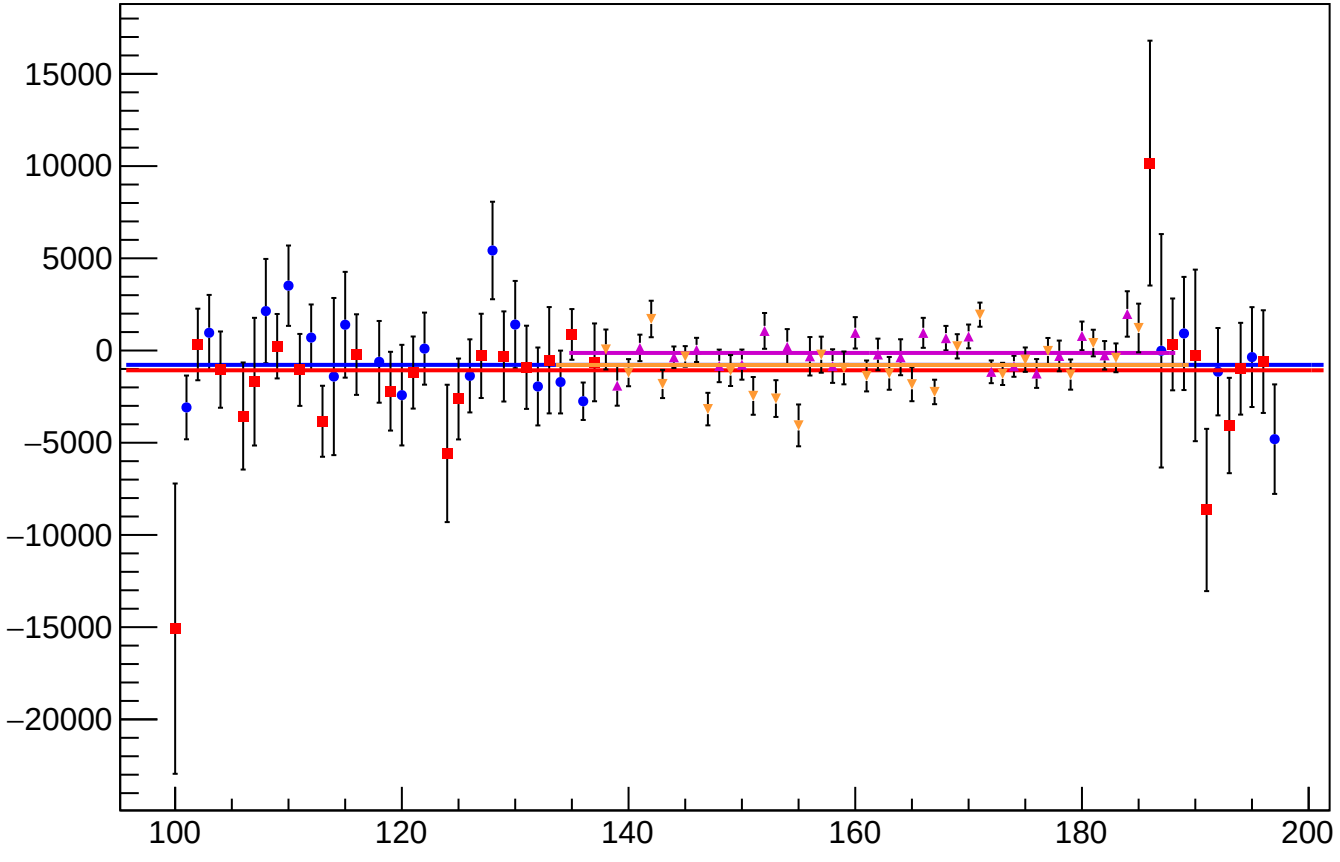
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 102.558+/-0.014 χ^2/NDF: 4295466.4/45

All: 103.374+/-0.010 χ^2/NDF: 8959400.0/94

- sign 104.218+/-0.014 χ^2/NDF: 4656967.1/48

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -777.432+/-462.776 χ^2/NDF: 22.3/20

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1072.376+/-461.262 χ^2/NDF: 19.3/25

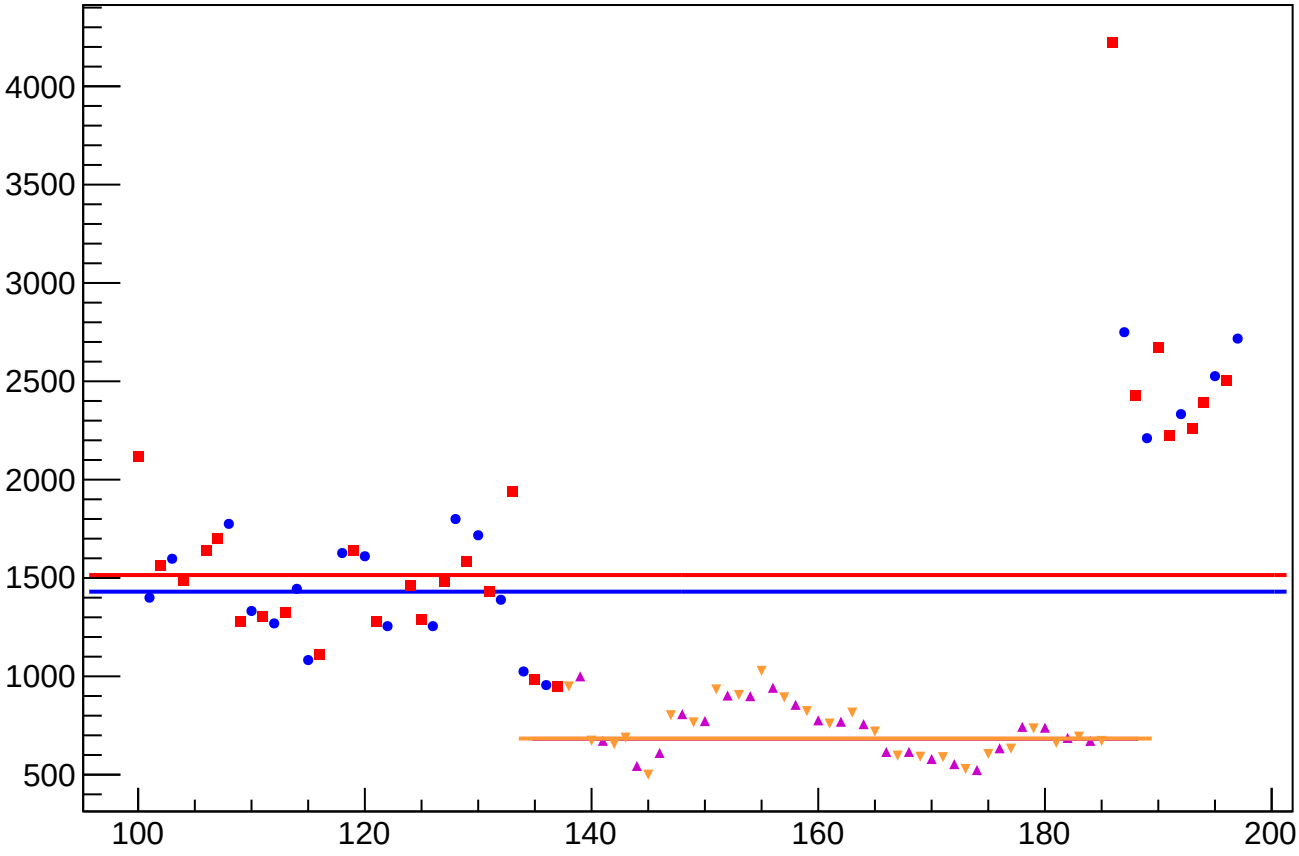
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -783.093+/-149.804 χ^2/NDF: 88.7/45

All: -515.257+/-107.105 χ^2/NDF: 142.5/94

- sign -235.171+/-153.191 χ^2/NDF: 47.3/48

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1430.411+/-0.327 χ^2/NDF: 1980010.6/20

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1514.914+/-0.326 χ^2/NDF: 2166686.4/25

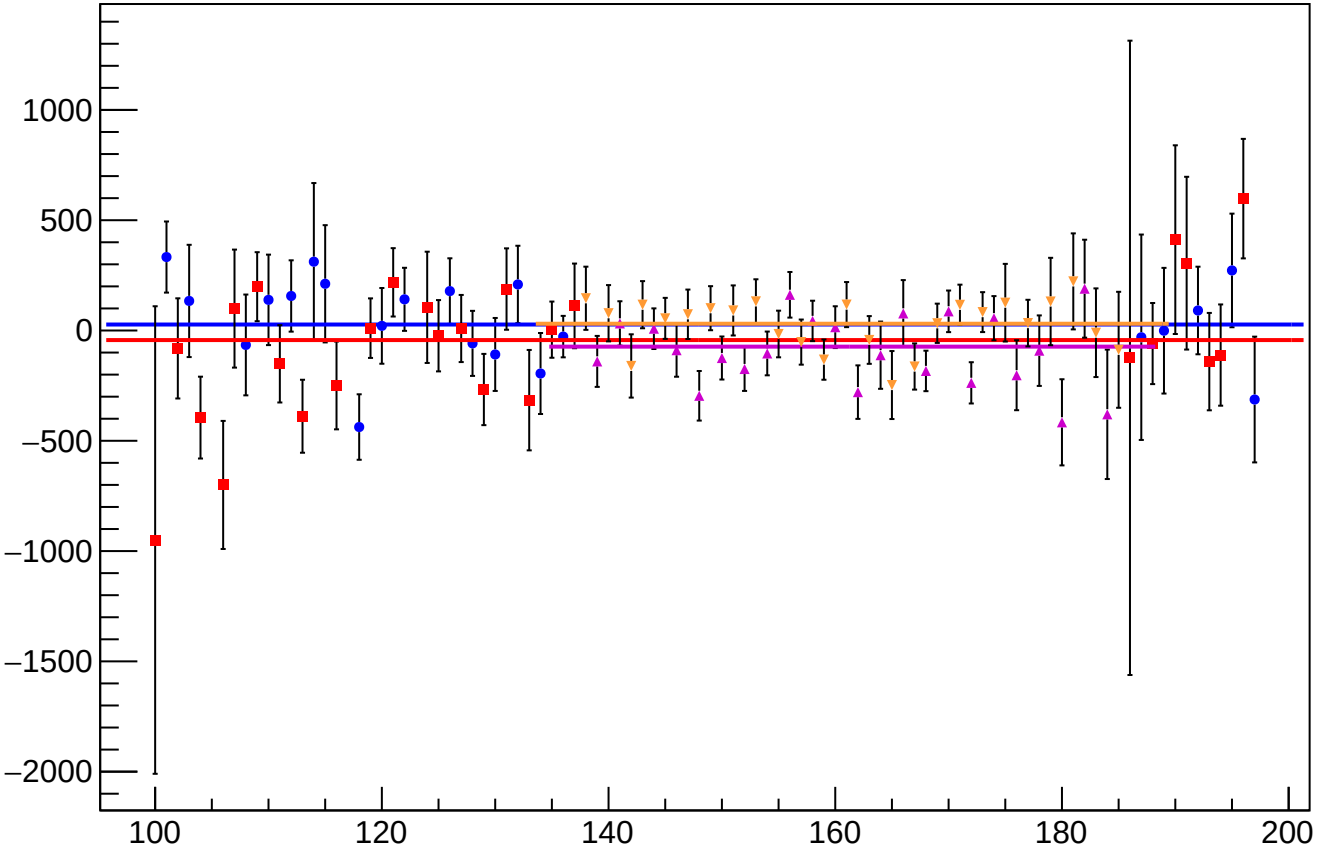
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 761.943+/-0.106 χ^2/NDF: 7939438.4/45

All: 767.756+/-0.076 χ^2/NDF: 17100985.2/94

- sign 773.835+/-0.108 χ^2/NDF: 9155385.5/48

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 27.123+/-38.976 χ^2/NDF: 23.8/20

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -43.391+/-38.489 χ^2/NDF: 35.0/25

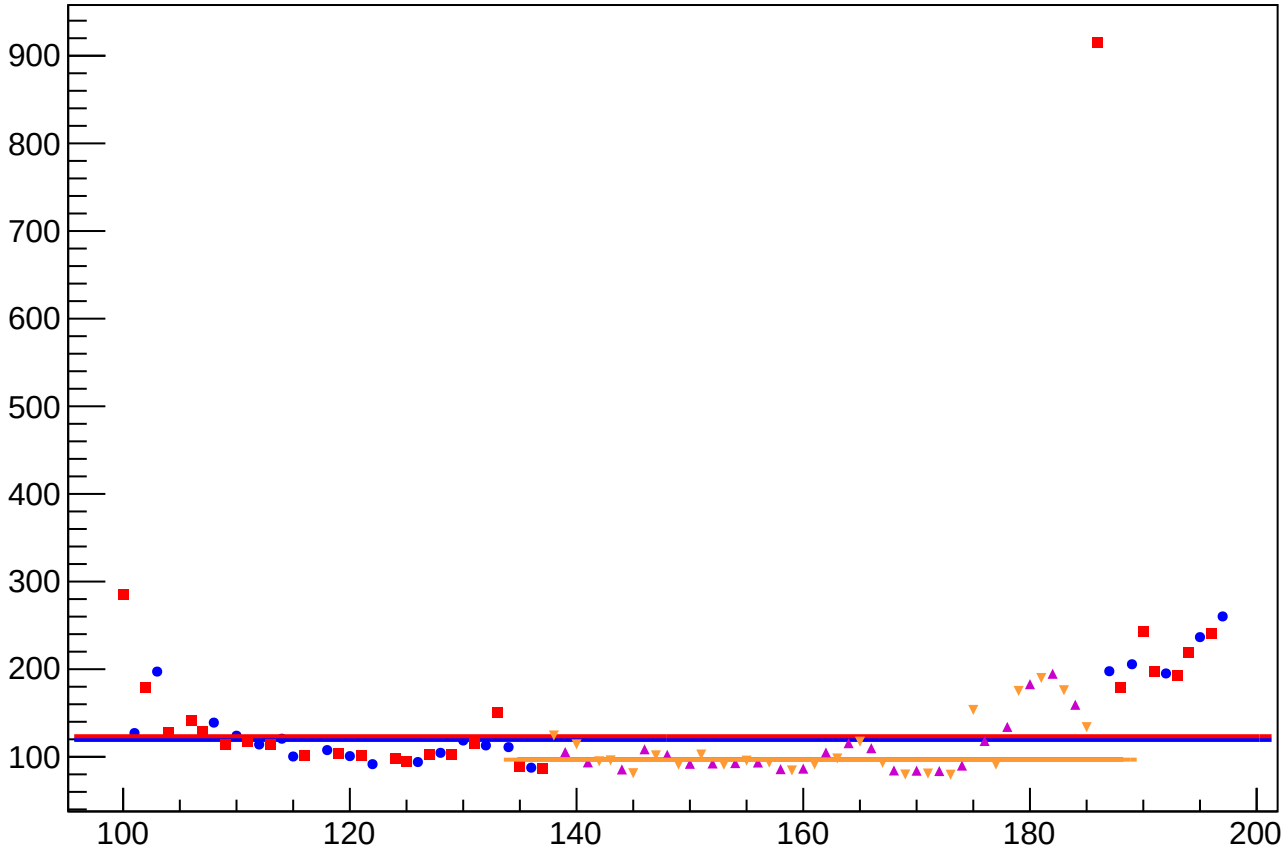
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.773+/-19.716 χ^2/NDF: 43.8/45

All: -16.816+/-14.063 χ^2/NDF: 125.0/94

- sign -65.061+/-20.063 χ^2/NDF: 69.9/48

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 119.319+/-0.028 χ^2/NDF: 2077984.9/20

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

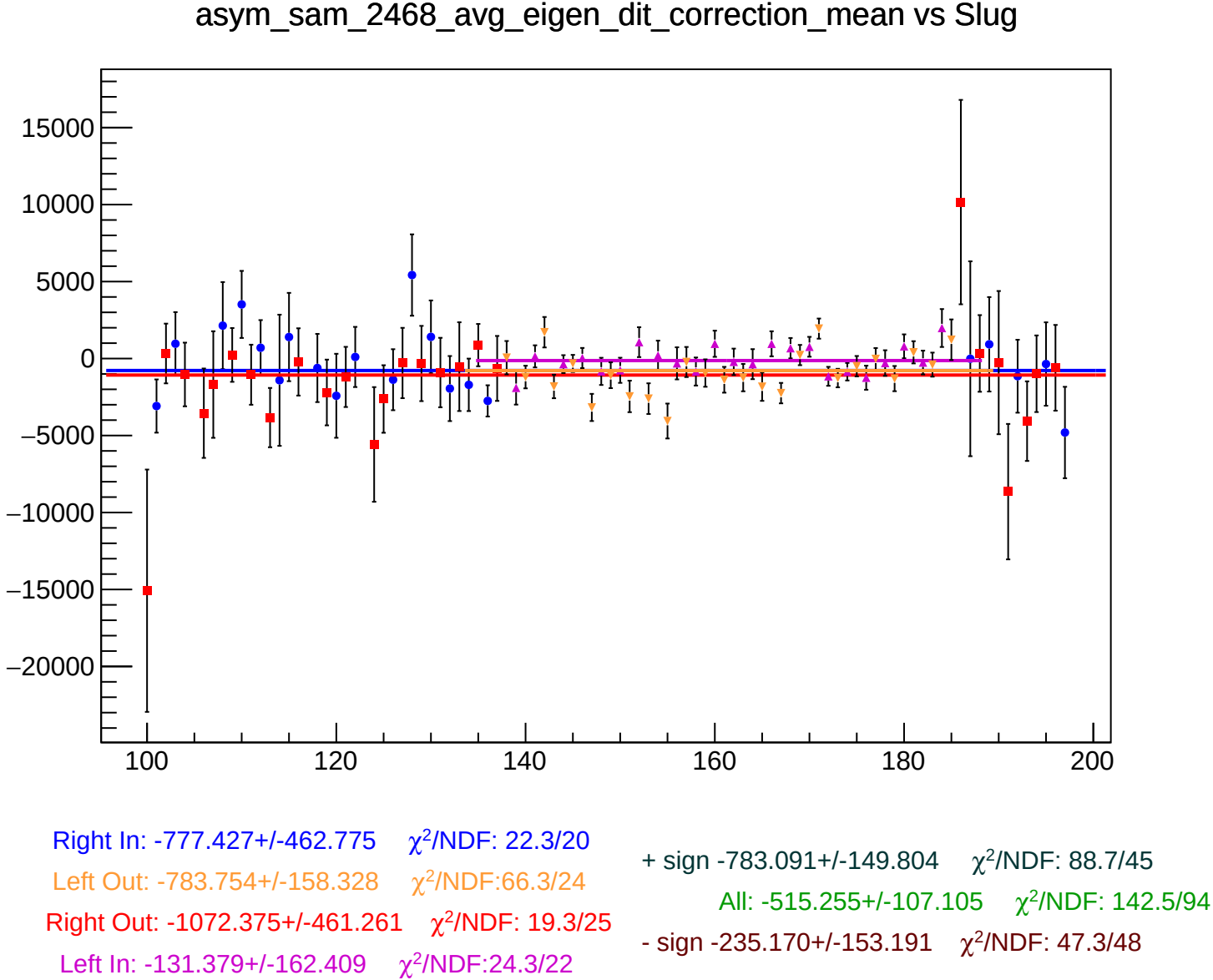
Right Out: 123.519+/-0.027 χ^2/NDF: 2645169.4/25

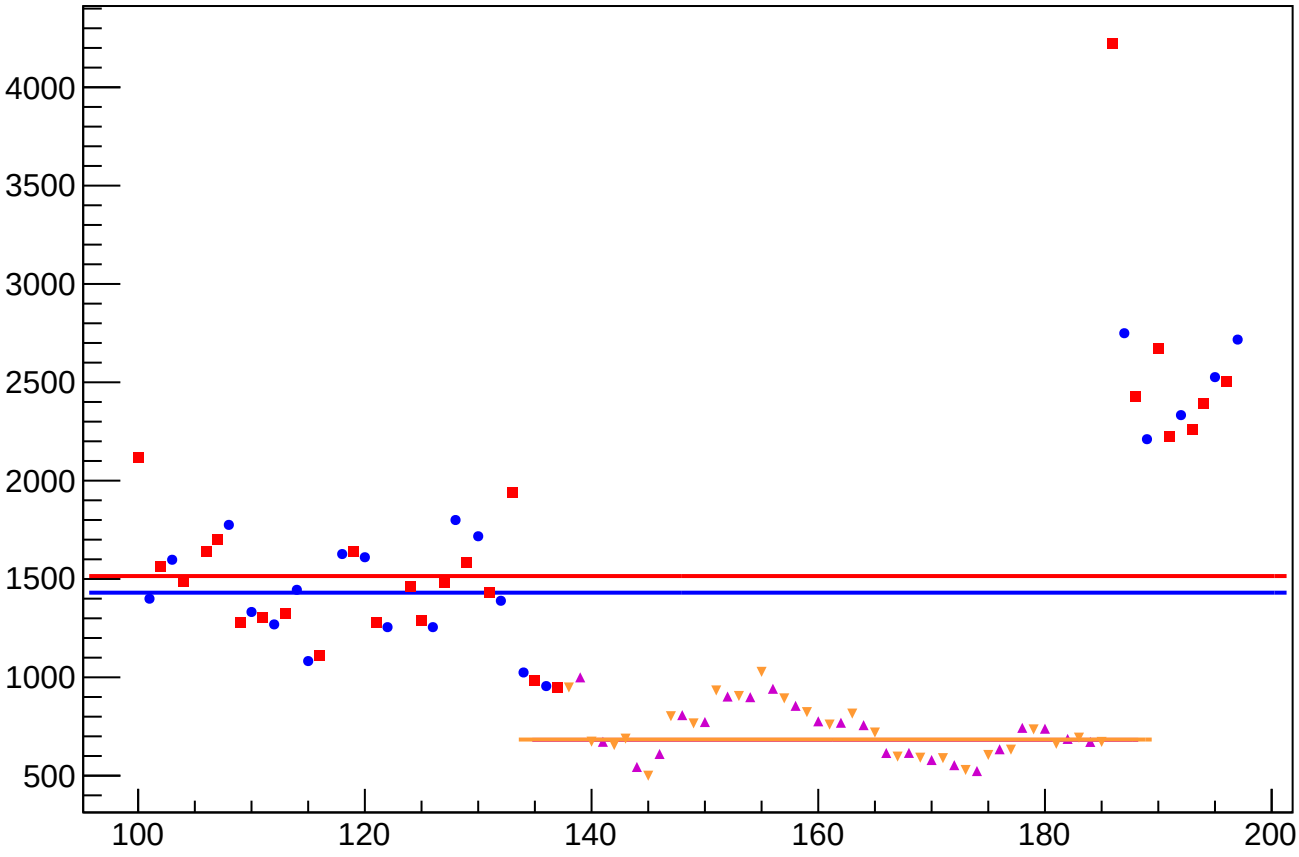
Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 102.558+/-0.014 χ^2/NDF: 4295425.7/45

All: 103.374+/-0.010 χ^2/NDF: 8959309.6/94

- sign 104.218+/-0.014 χ^2/NDF: 4656917.3/48


asym_sam_2468_avg_eigen_dit_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -777.427+/-462.775 χ²/NDF: 22.3/20
Left Out: -783.754+/-158.328 χ²/NDF:66.3/24
Right Out: -1072.375+/-461.261 χ²/NDF: 19.3/25
Left In: -131.379+/-162.409 χ²/NDF:24.3/22
+ sign -783.091+/-149.804 χ²/NDF: 88.7/45
All: -515.255+/-107.105 χ²/NDF: 142.5/94
- sign -235.170+/-153.191 χ²/NDF: 47.3/48



Right In: 1430.408+/-0.327 χ^2/NDF: 1980013.3/20

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1514.911+/-0.326 χ^2/NDF: 2166691.2/25

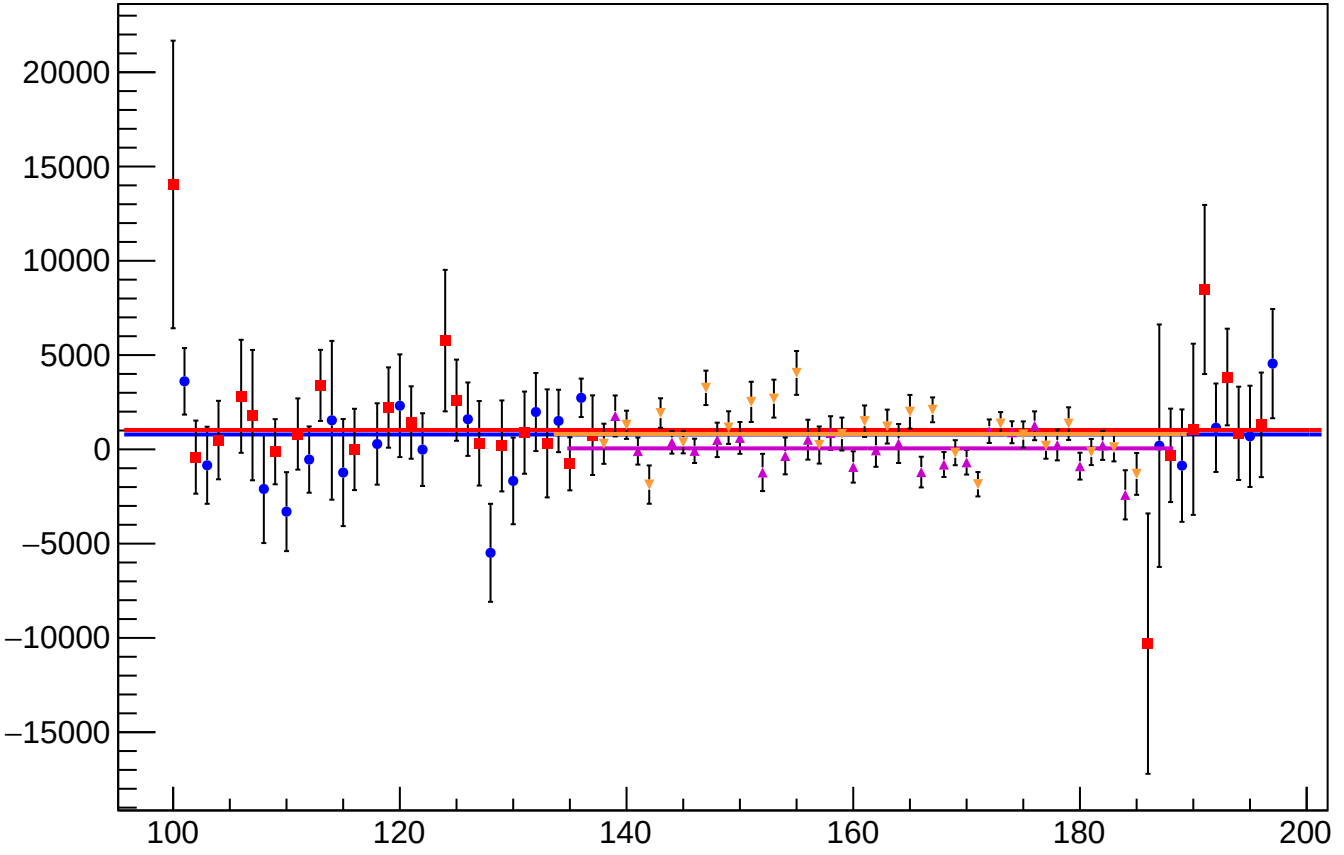
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 761.941+/-0.106 χ^2/NDF: 7939446.9/45

All: 767.755+/-0.076 χ^2/NDF: 17100998.2/94

- sign 773.834+/-0.108 χ^2/NDF: 9155390.1/48

asym_sam_2468_avg_mean vs Slug



Right In: 788.875+/-457.799 χ^2/NDF: 23.0/20

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1028.748+/-458.398 χ^2/NDF: 17.6/25

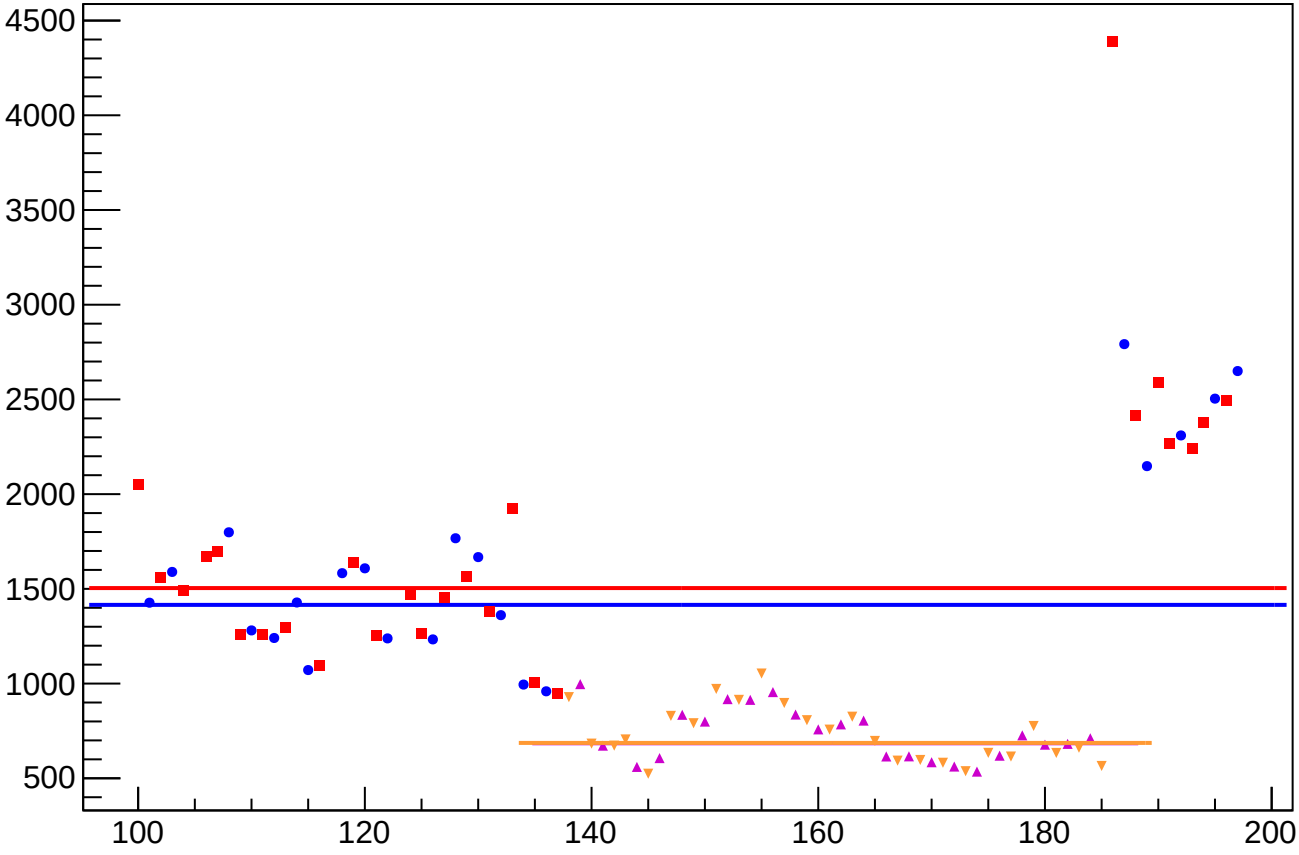
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 811.348+/-150.415 χ^2/NDF: 88.8/45

All: 493.467+/-107.471 χ^2/NDF: 144.9/94

- sign 161.939+/-153.609 χ^2/NDF: 47.0/48

asym_sam_2468_avg_rms vs Slug



Right In: 1415.403+/-0.324 χ^2/NDF: 1951563.8/20

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

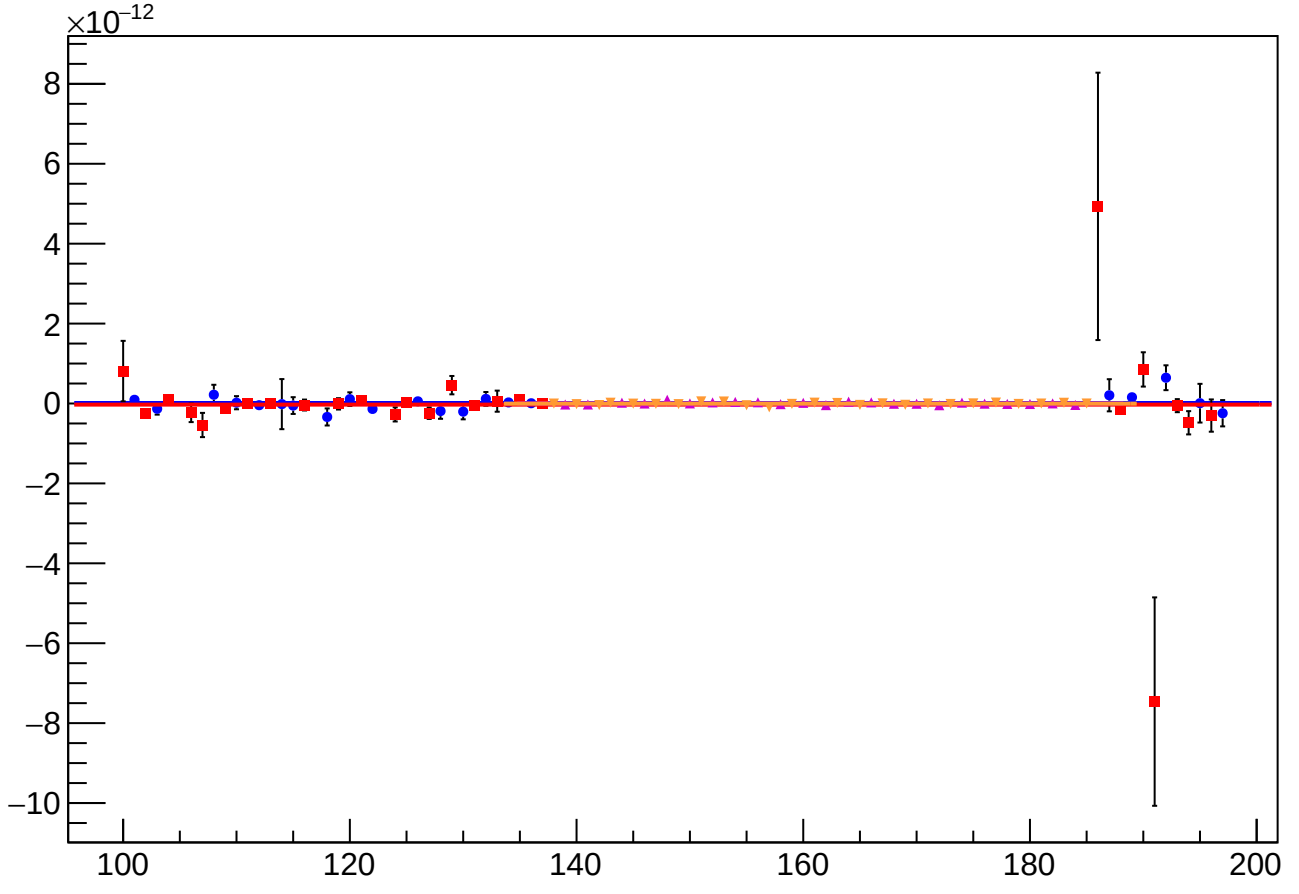
Right Out: 1504.144+/-0.324 χ^2/NDF: 2163193.8/25

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 765.365+/-0.106 χ^2/NDF: 7784124.0/45

All: 770.949+/-0.076 χ^2/NDF: 16790812.2/94

- sign 776.774+/-0.109 χ^2/NDF: 9001056.0/48



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/20

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

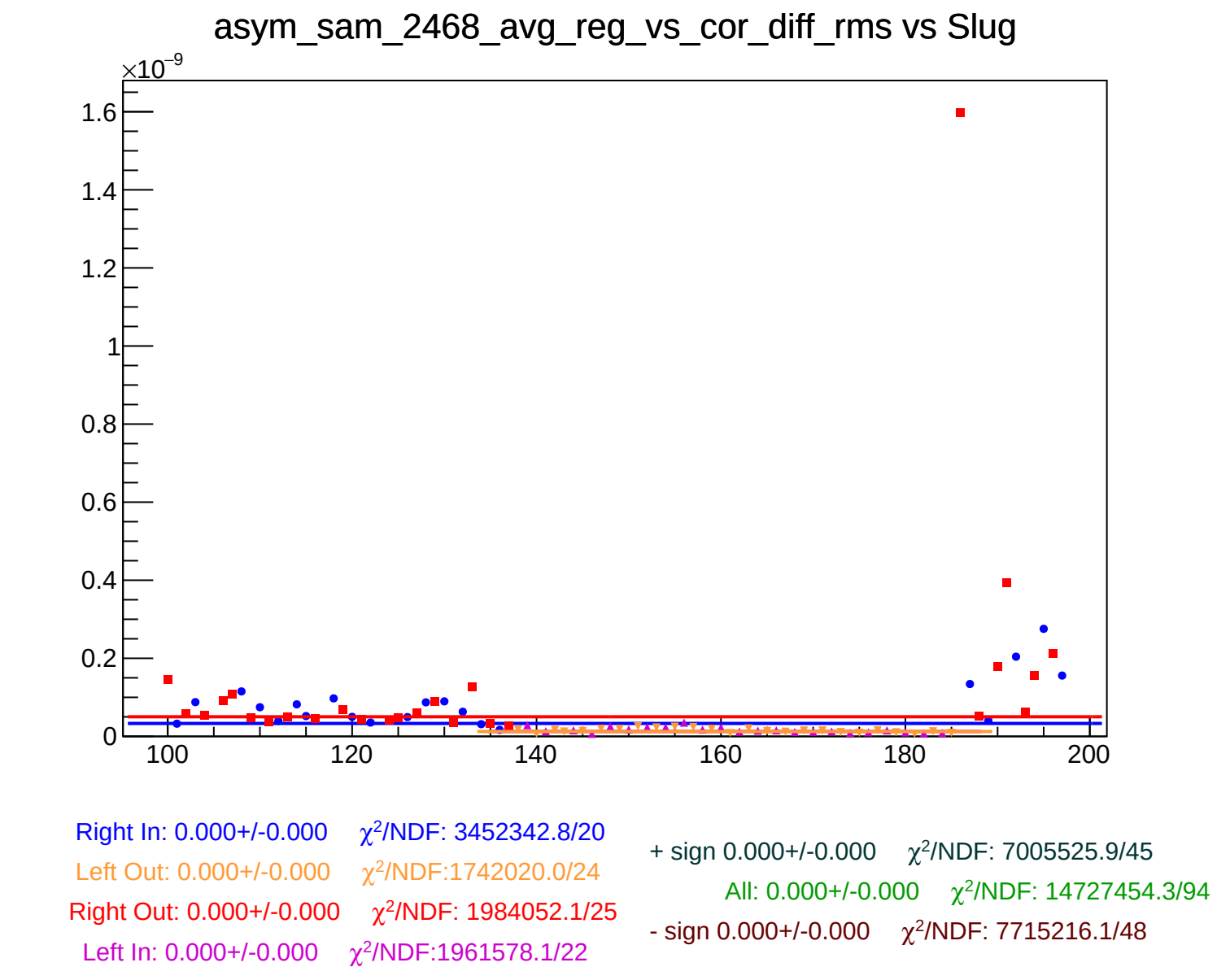
Right Out: -0.000+/-0.000 χ^2/NDF: 42.9/25

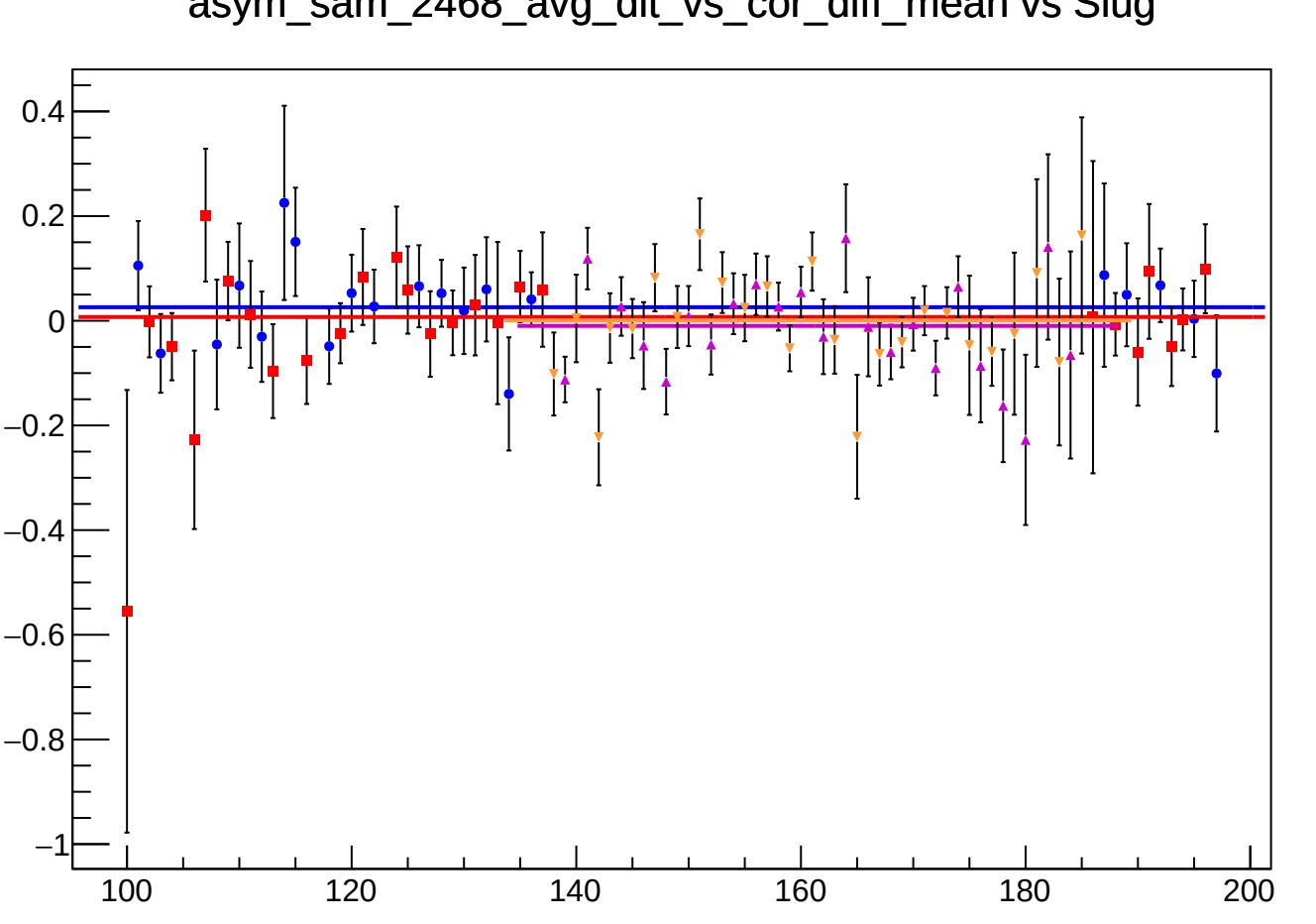
Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.0/45

All: -0.000+/-0.000 χ^2/NDF: 99.6/94

- sign -0.000+/-0.000 χ^2/NDF: 64.5/48


asym_sam_2468_avg_reg_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: 3452342.8/20
Left Out: 0.000+/-0.000 χ²/NDF:1742020.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1984052.1/25
Left In: 0.000+/-0.000 χ²/NDF:1961578.1/22
+ sign 0.000+/-0.000 χ²/NDF: 7005525.9/45
All: 0.000+/-0.000 χ²/NDF: 14727454.3/94
- sign 0.000+/-0.000 χ²/NDF: 7715216.1/48



Right In: 0.026+/-0.018 χ^2/NDF: 11.9/20

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

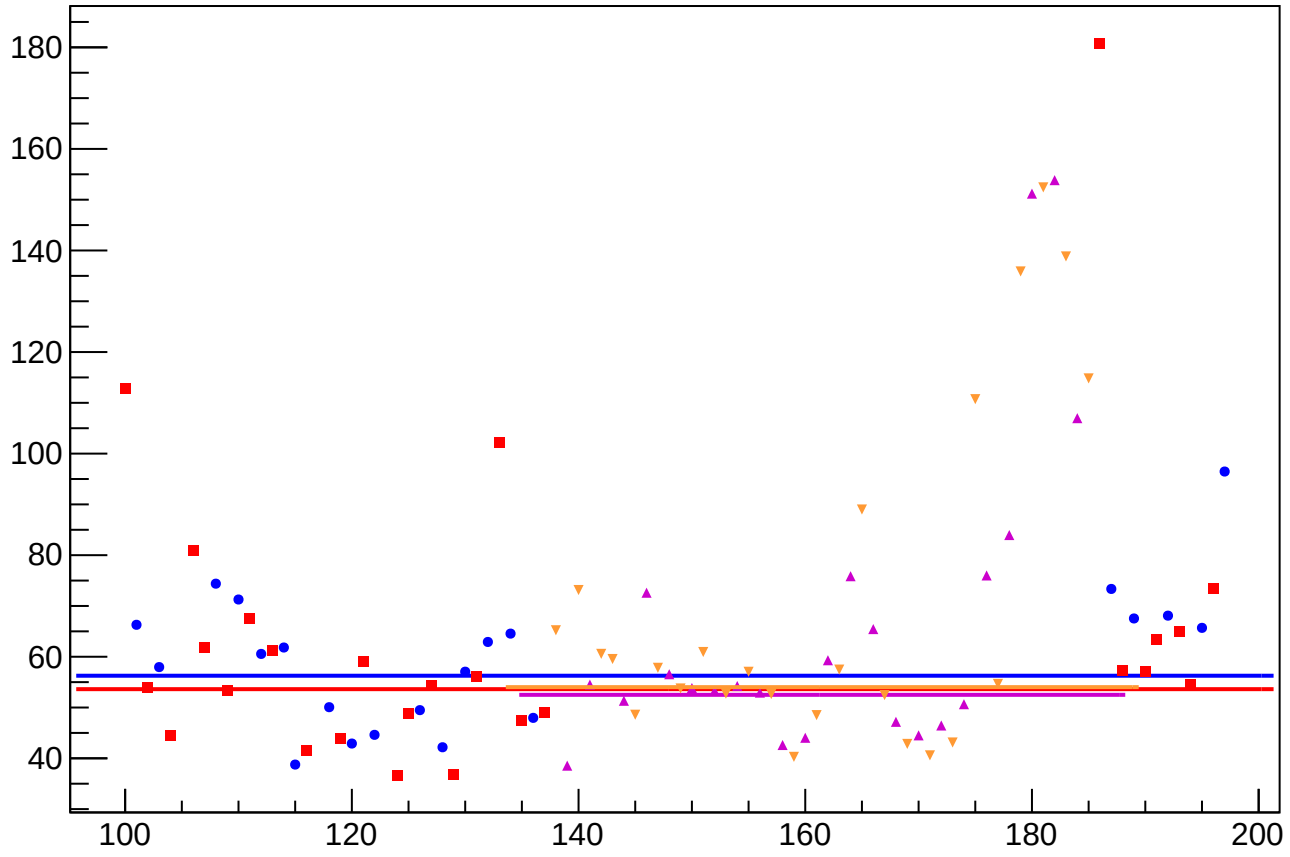
Right Out: 0.007+/-0.016 χ^2/NDF: 16.6/25

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 44.8/45

All: 0.003+/-0.007 χ^2/NDF: 94.7/94

- sign -0.003+/-0.010 χ^2/NDF: 49.2/48



Right In: 56.262+/-0.013 χ^2/NDF: 885895.3/20

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

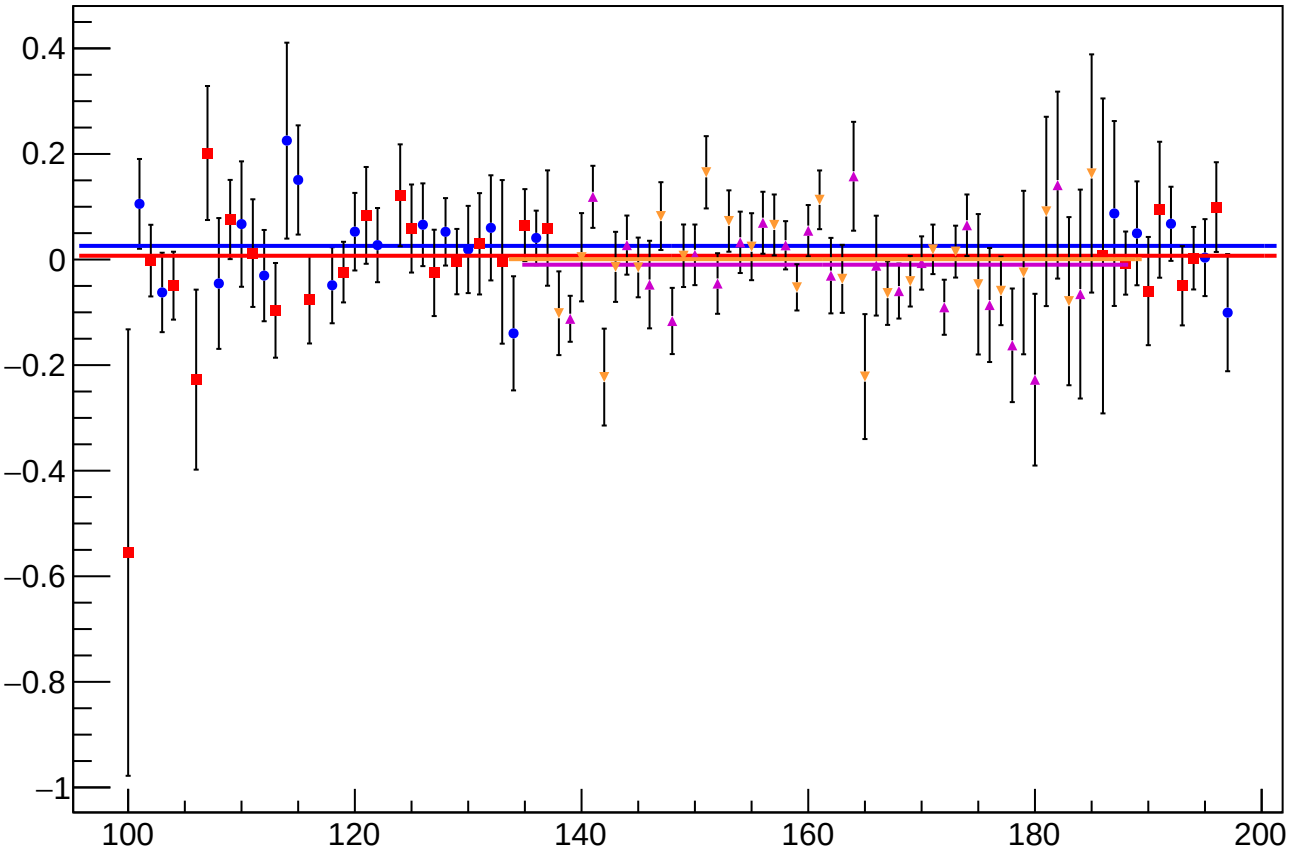
Right Out: 53.617+/-0.012 χ^2/NDF: 1270410.5/25

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.791+/-0.008 χ^2/NDF: 4133373.6/45

All: 53.829+/-0.005 χ^2/NDF: 7998153.1/94

- sign 52.939+/-0.007 χ^2/NDF: 3833745.1/48



Right In: 0.026+/-0.018 χ^2/NDF: 11.9/20

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

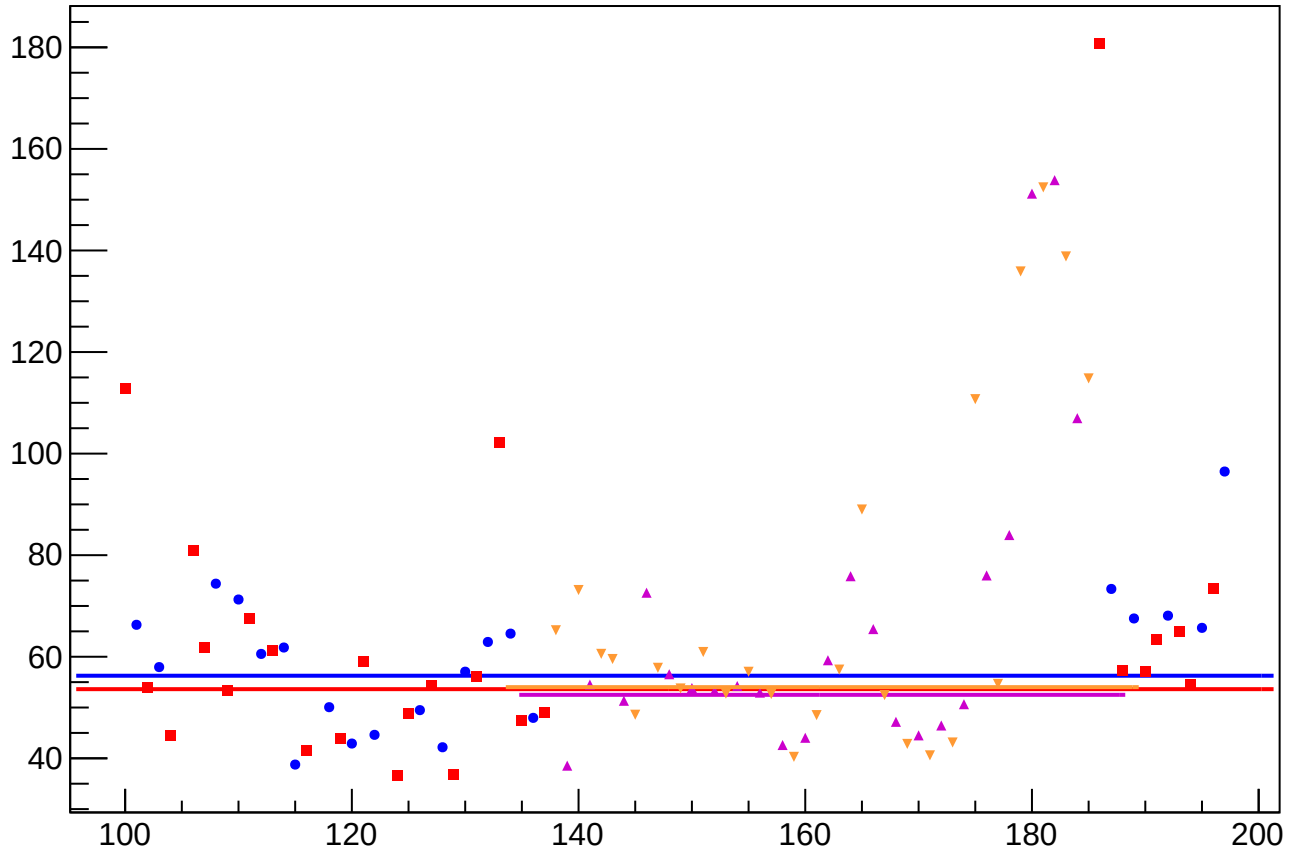
Right Out: 0.007+/-0.016 χ^2/NDF: 16.6/25

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 44.8/45

All: 0.003+/-0.007 χ^2/NDF: 94.7/94

- sign -0.003+/-0.010 χ^2/NDF: 49.2/48



Right In: 56.262+/-0.013 χ^2/NDF: 885895.3/20

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

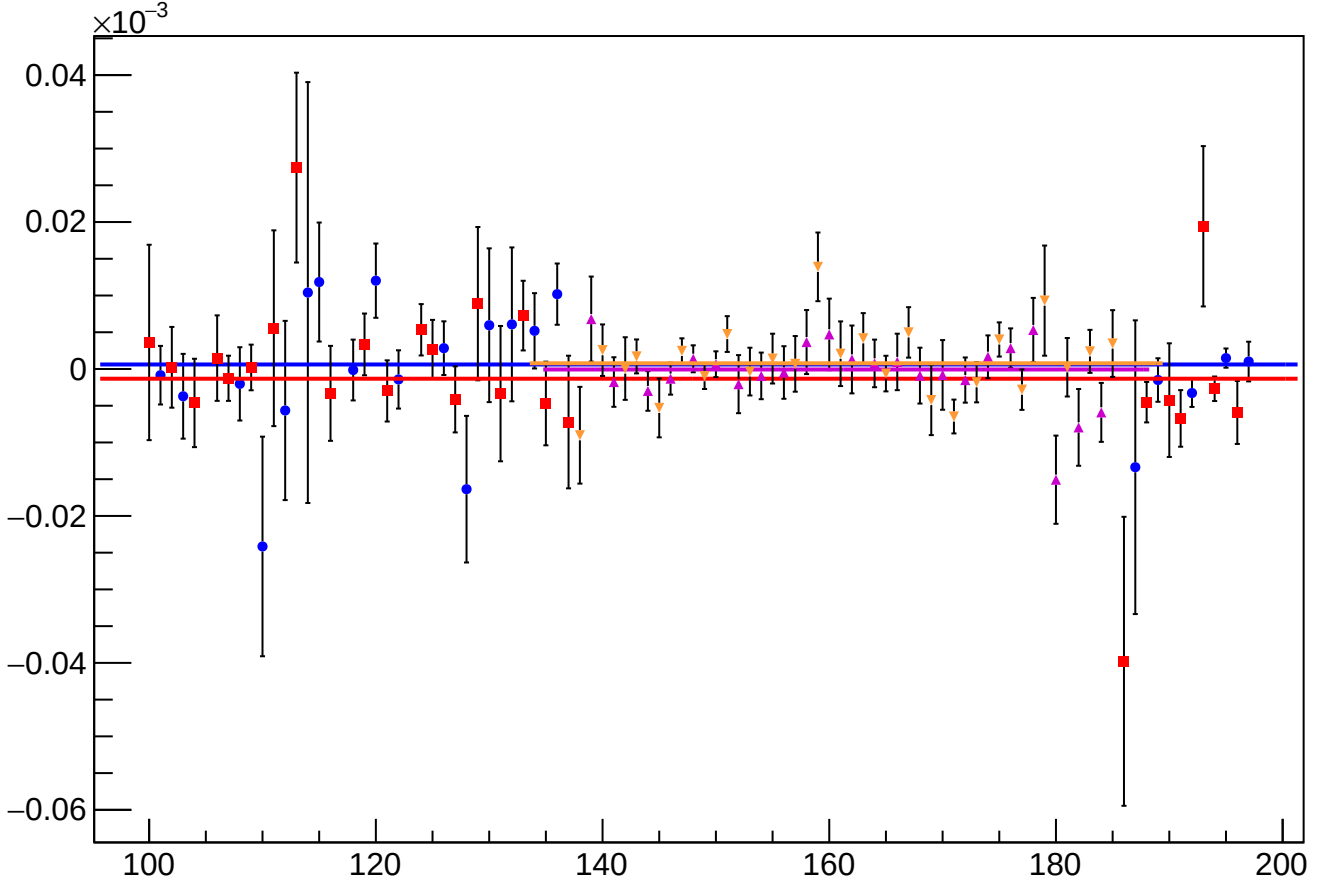
Right Out: 53.617+/-0.012 χ^2/NDF: 1270410.5/25

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.791+/-0.008 χ^2/NDF: 4133373.6/45

All: 53.829+/-0.005 χ^2/NDF: 7998153.1/94

- sign 52.939+/-0.007 χ^2/NDF: 3833745.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/20

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

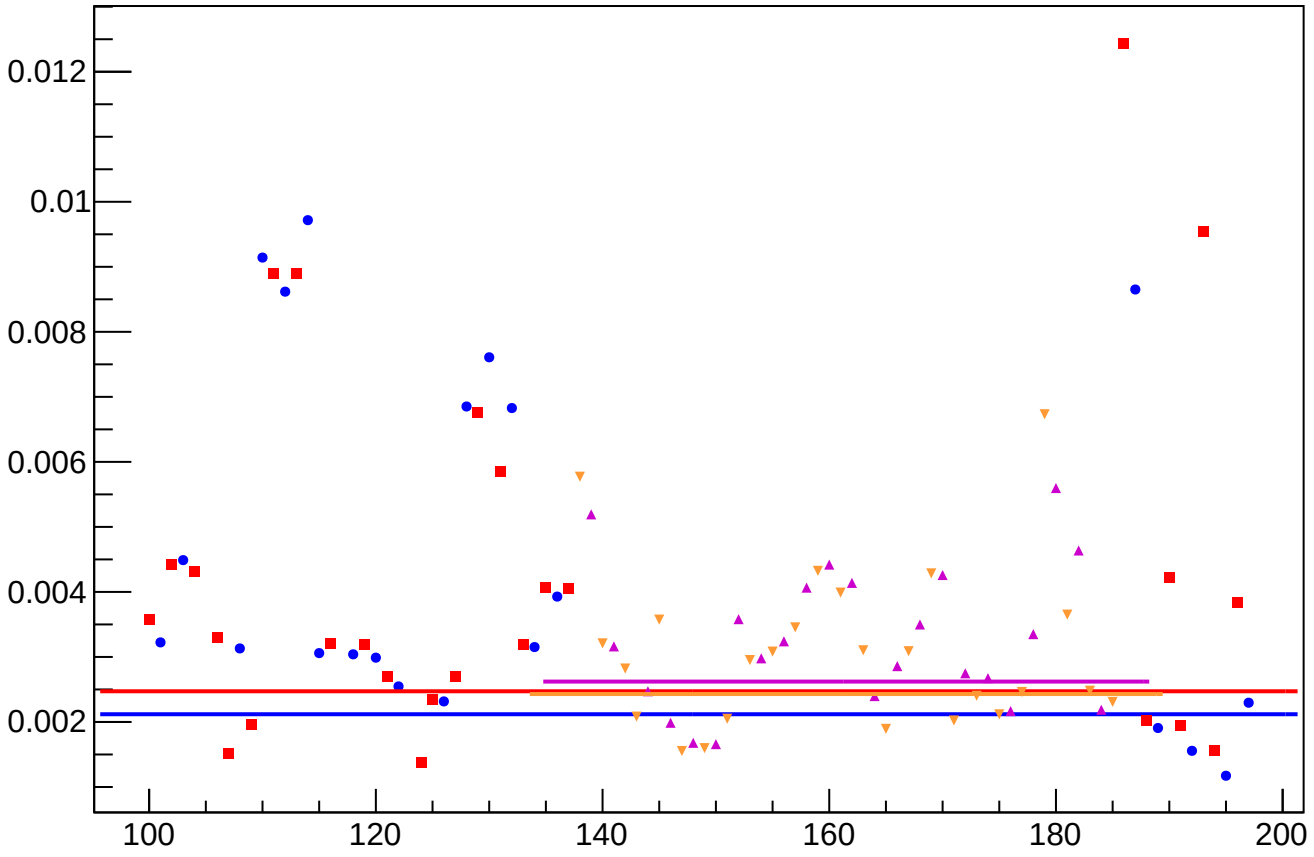
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/25

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.1/45

All: 0.000+/-0.000 χ^2/NDF: 120.4/94

- sign -0.000+/-0.000 χ^2/NDF: 52.1/48



Right In: 0.002+/-0.000 χ^2/NDF: 5257477.9/20

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

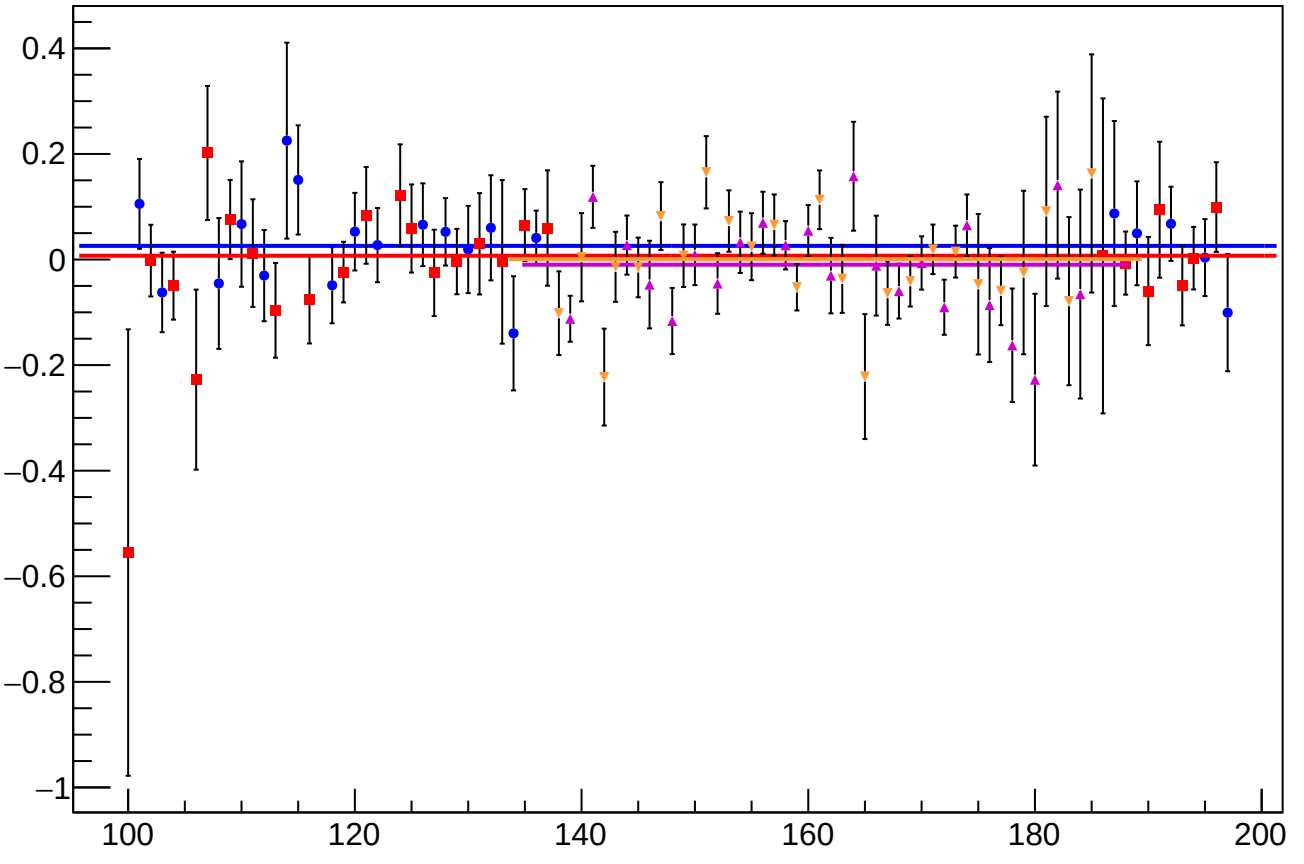
Right Out: 0.002+/-0.000 χ^2/NDF: 5213004.4/25

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 9677315.4/45

All: 0.002+/-0.000 χ^2/NDF: 19133793.8/94

- sign 0.003+/-0.000 χ^2/NDF: 9206913.5/48



Right In: 0.026+/-0.018 χ^2/NDF: 11.9/20

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

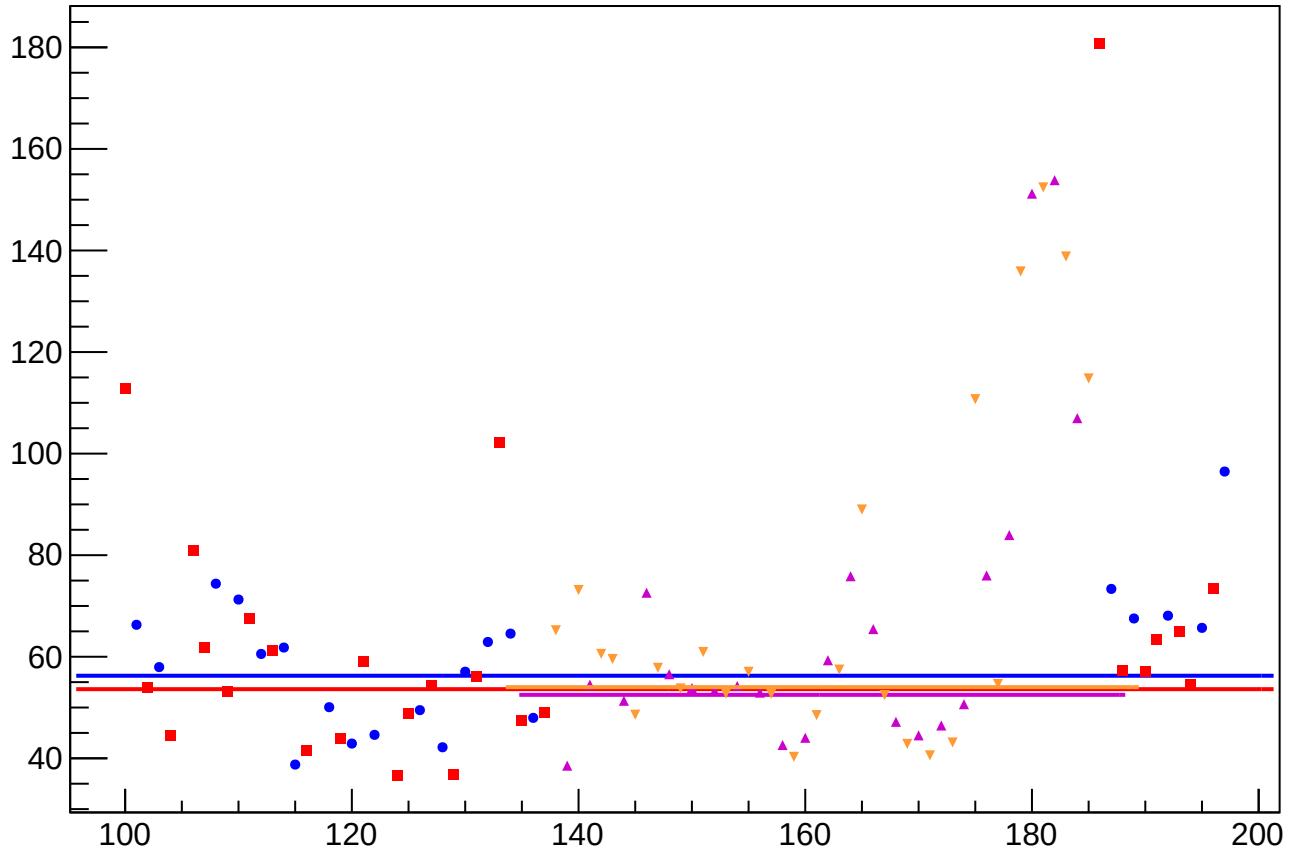
Right Out: 0.007+/-0.016 χ^2/NDF: 16.6/25

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 44.8/45

All: 0.003+/-0.007 χ^2/NDF: 94.7/94

- sign -0.003+/-0.010 χ^2/NDF: 49.2/48



Right In: 56.261+/-0.013 χ^2/NDF: 885881.6/20

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

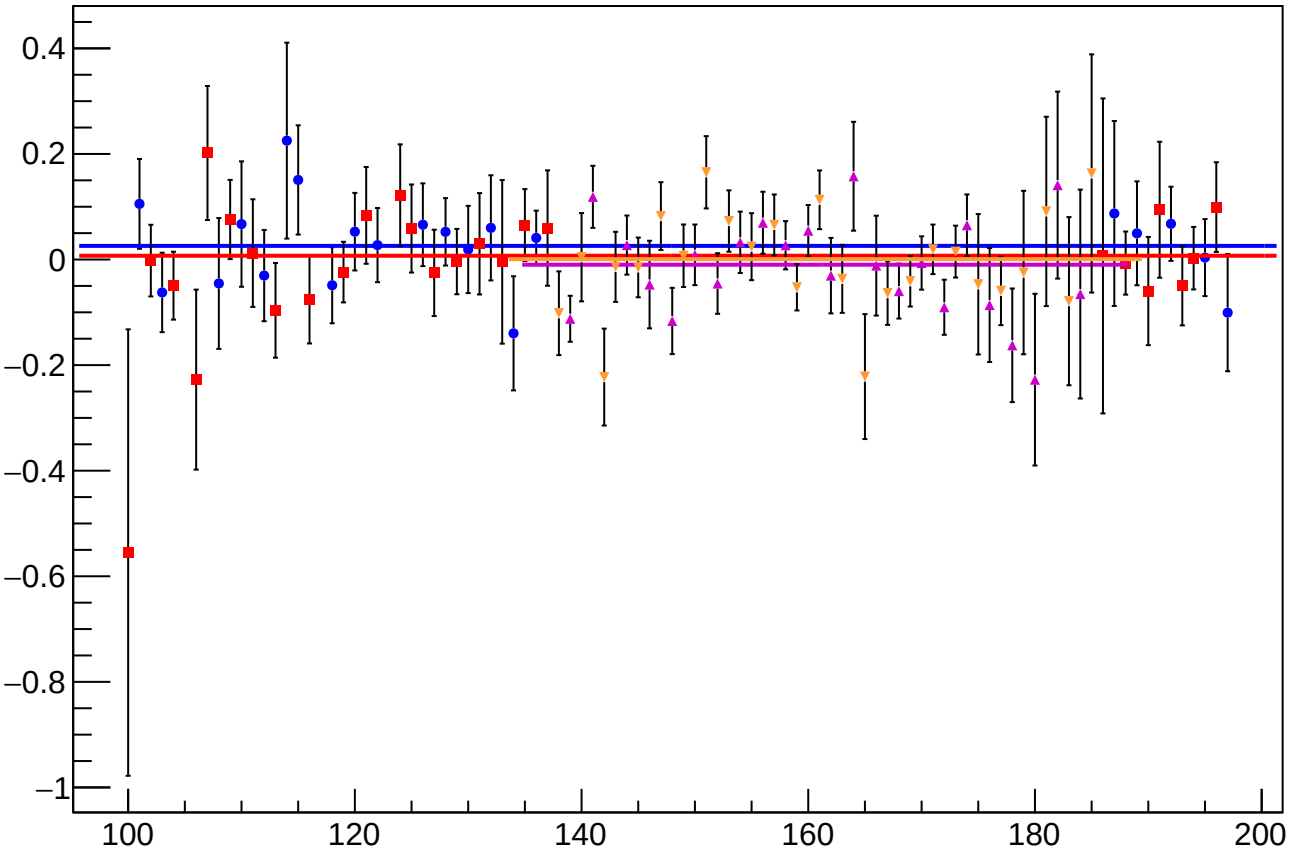
Right Out: 53.616+/-0.012 χ^2/NDF: 1270437.2/25

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.791+/-0.008 χ^2/NDF: 4133353.8/45

All: 53.829+/-0.005 χ^2/NDF: 7998191.8/94

- sign 52.939+/-0.007 χ^2/NDF: 3833801.9/48



Right In: 0.026+/-0.018 χ^2/NDF: 11.9/20

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

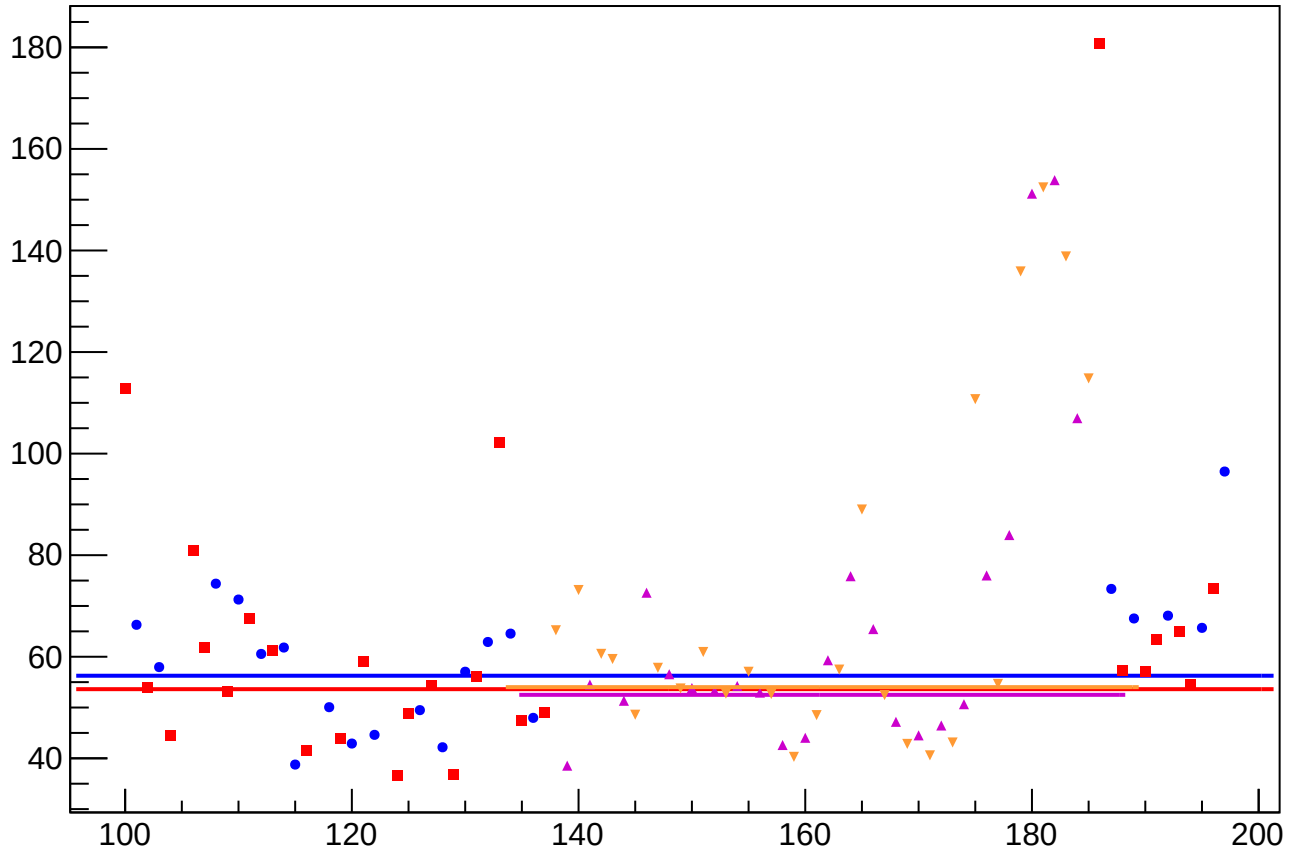
Right Out: 0.007+/-0.016 χ^2/NDF: 16.6/25

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 44.8/45

All: 0.003+/-0.007 χ^2/NDF: 94.7/94

- sign -0.003+/-0.010 χ^2/NDF: 49.2/48



Right In: 56.261+/-0.013 χ^2/NDF: 885881.6/20

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

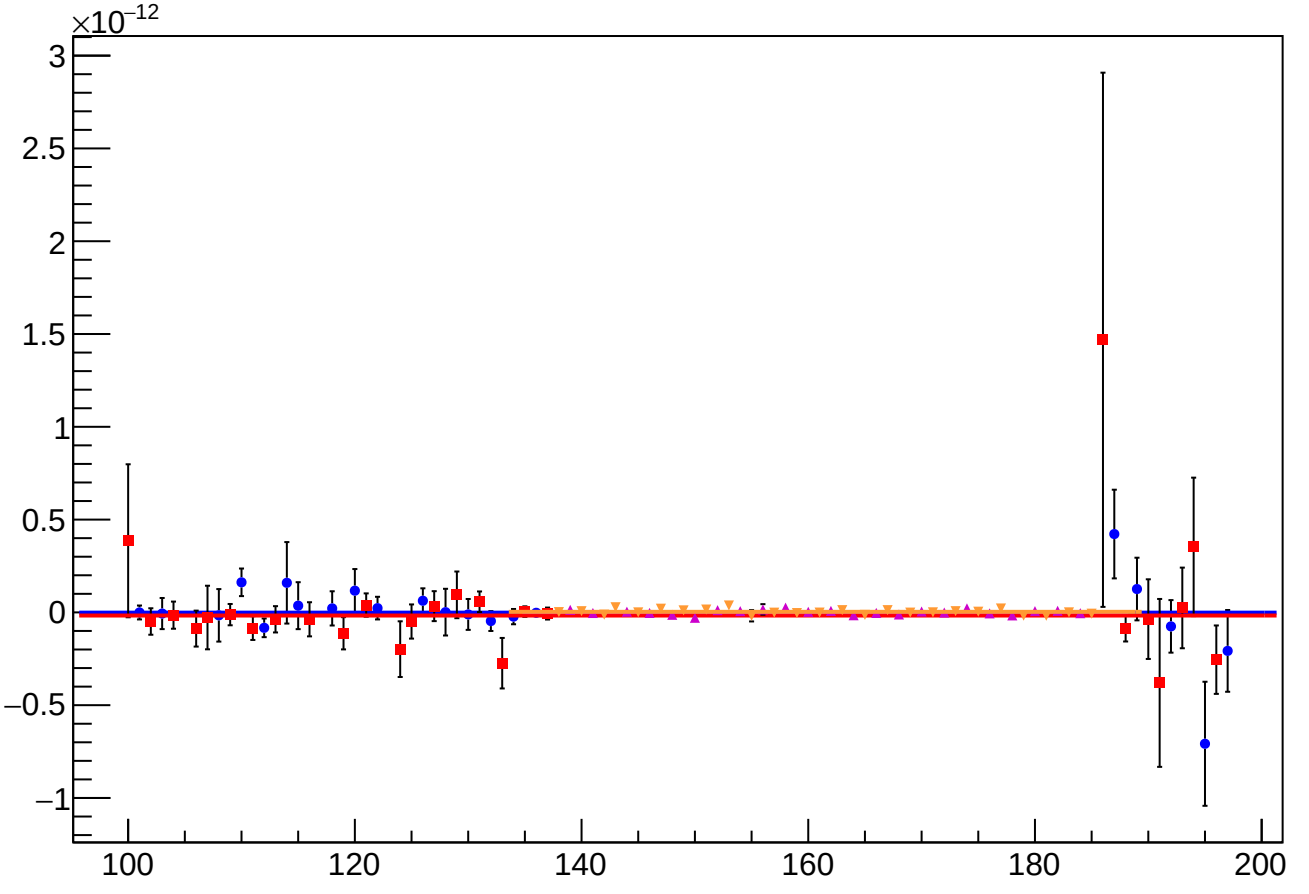
Right Out: 53.616+/-0.012 χ^2/NDF: 1270437.2/25

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.791+/-0.008 χ^2/NDF: 4133353.8/45

All: 53.829+/-0.005 χ^2/NDF: 7998191.8/94

- sign 52.939+/-0.007 χ^2/NDF: 3833801.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

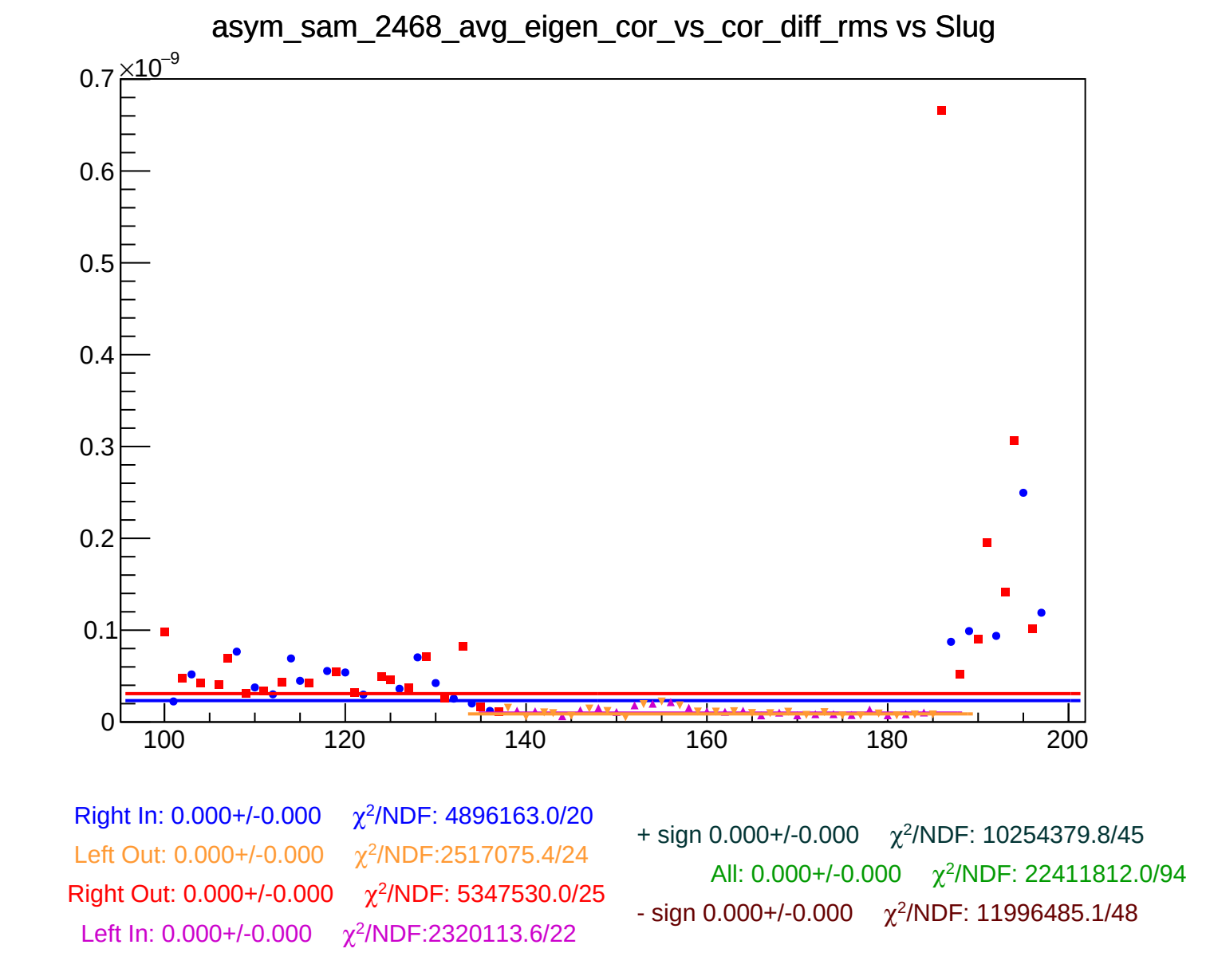
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/25

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

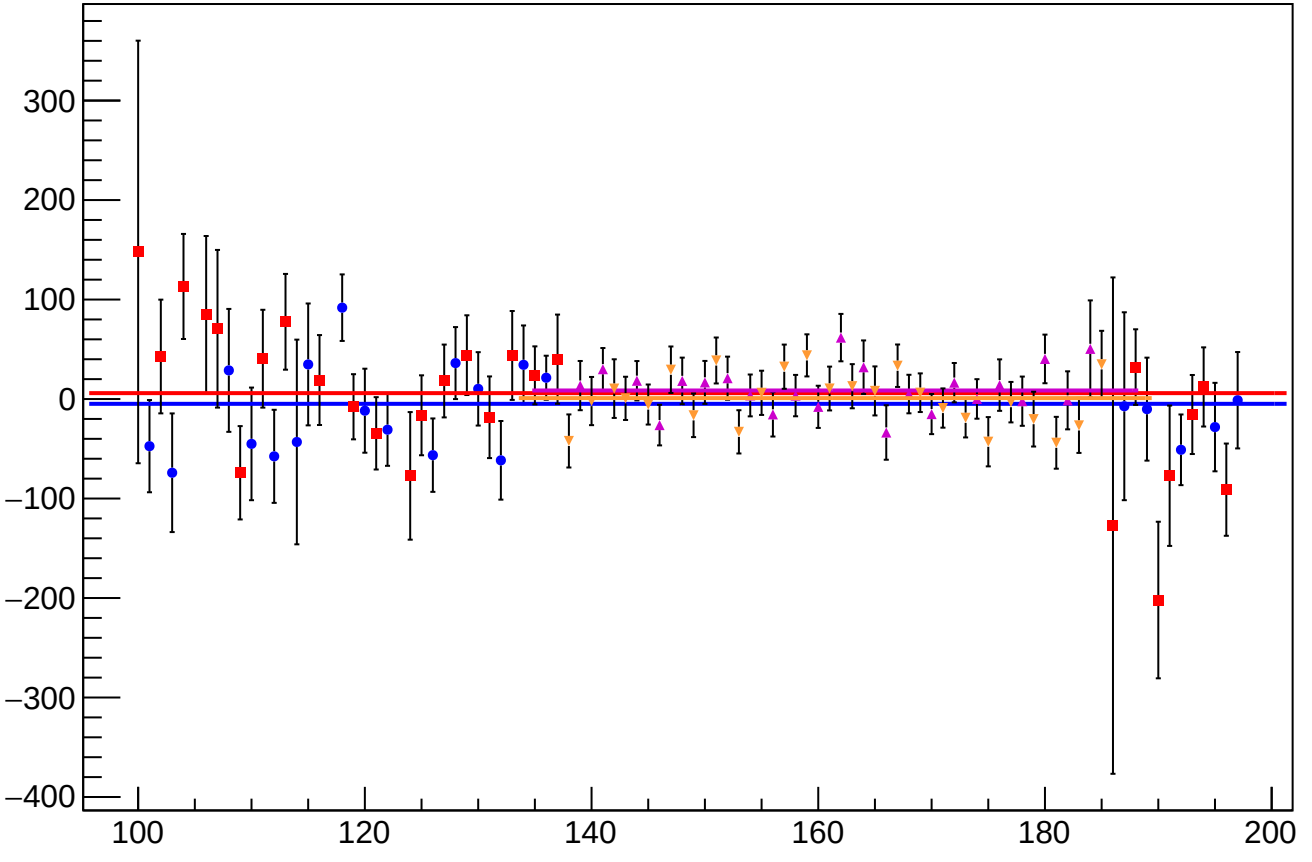
+ sign 0.000+/-0.000 χ^2/NDF: 42.6/45

All: 0.000+/-0.000 χ^2/NDF: 78.8/94

- sign 0.000+/-0.000 χ^2/NDF: 36.0/48


asym_sam_2468_avg_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: 4896163.0/20
Left Out: 0.000+/-0.000 χ²/NDF:2517075.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 5347530.0/25
Left In: 0.000+/-0.000 χ²/NDF:2320113.6/22
+ sign 0.000+/-0.000 χ²/NDF: 10254379.8/45
All: 0.000+/-0.000 χ²/NDF: 22411812.0/94
- sign 0.000+/-0.000 χ²/NDF: 11996485.1/48

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.811+/-9.085 χ^2/NDF: 23.6/20

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 5.938+/-9.021 χ^2/NDF: 32.6/25

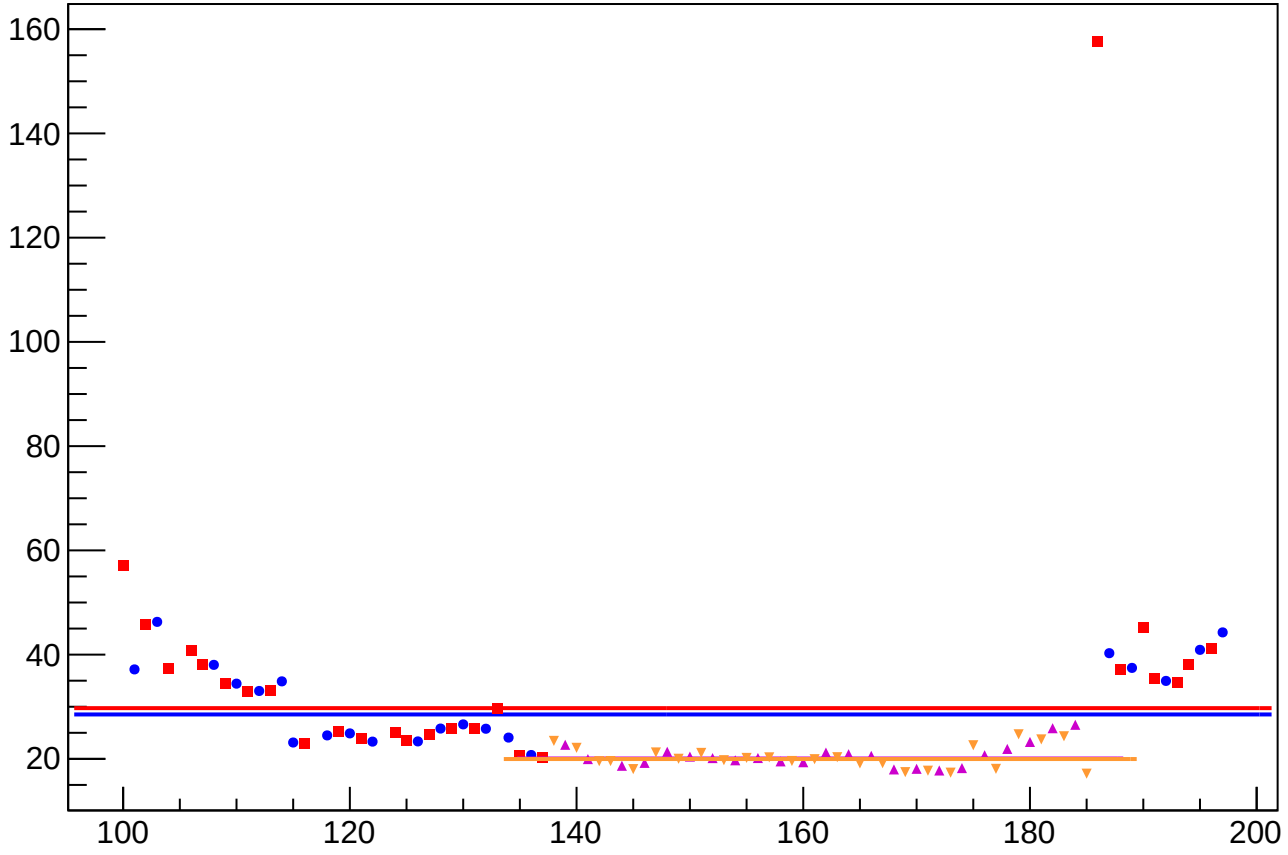
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.242+/-4.085 χ^2/NDF: 53.1/45

All: 3.794+/-2.923 χ^2/NDF: 107.1/94

- sign 8.027+/-4.185 χ^2/NDF: 52.0/48

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.522+/-0.006 χ^2/NDF: 1303357.3/20

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

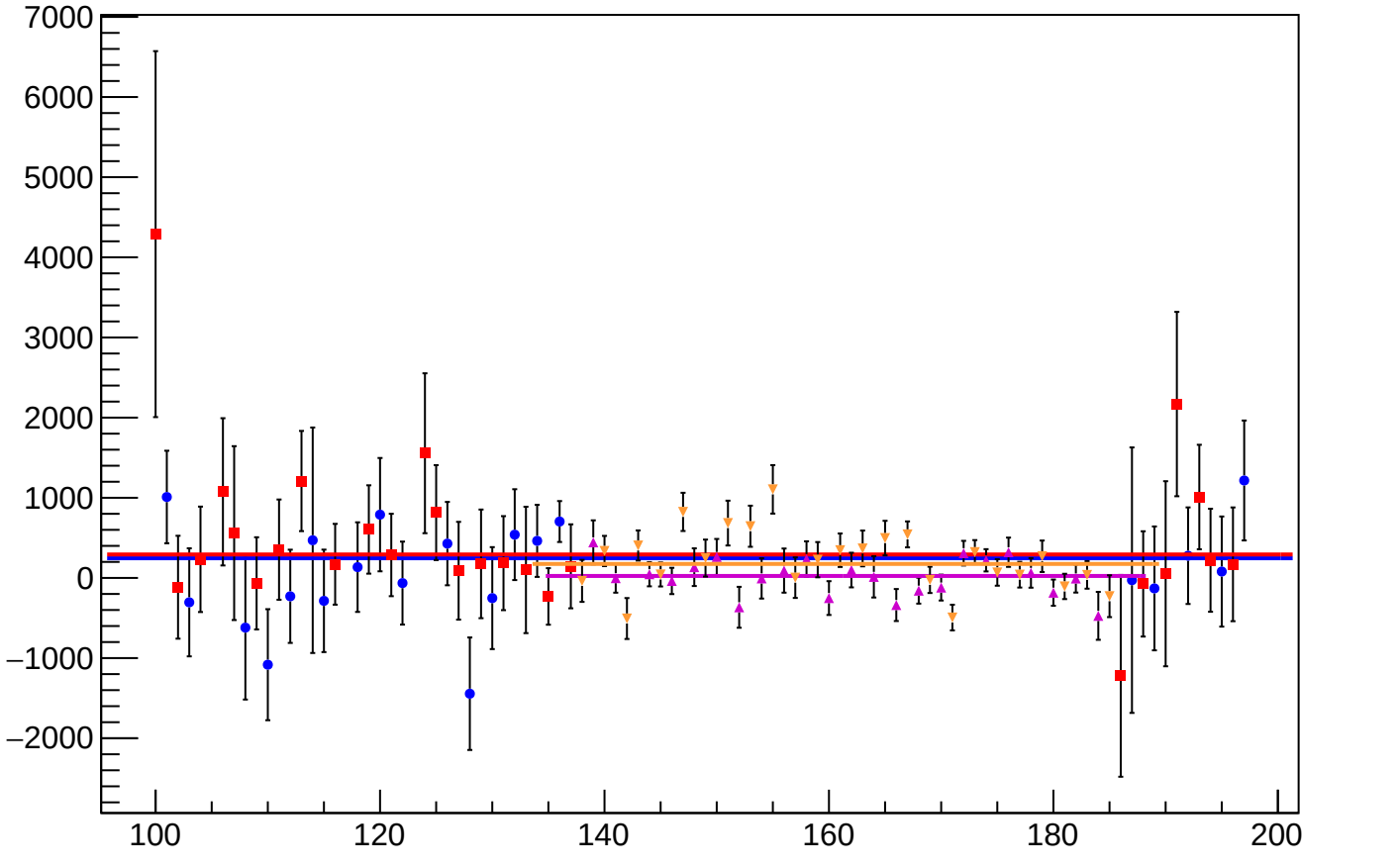
Right Out: 29.733+/-0.006 χ^2/NDF: 1814926.3/25

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.698+/-0.003 χ^2/NDF: 3104475.5/45

All: 21.919+/-0.002 χ^2/NDF: 7033133.8/94

- sign 22.151+/-0.003 χ^2/NDF: 3916663.0/48



Right In: 245.566+/-125.317 χ^2/NDF: 21.7/20

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

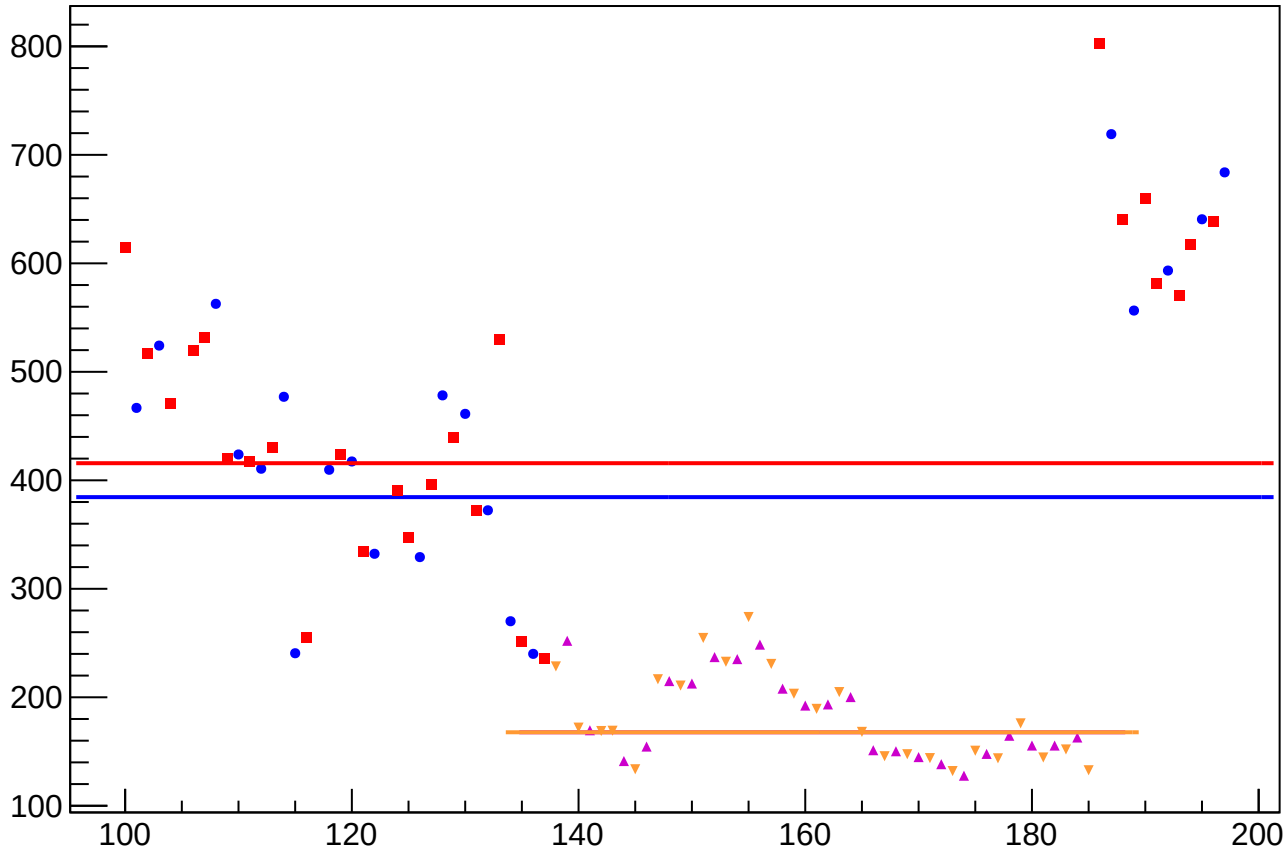
Right Out: 292.743+/-126.732 χ^2/NDF: 17.8/25

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 180.965+/-37.281 χ^2/NDF: 93.2/45

All: 116.580+/-26.683 χ^2/NDF: 148.1/94

- sign 48.961+/-38.206 χ^2/NDF: 48.8/48



Right In: 384.503+/-0.089 χ^2/NDF: 2232417.4/20

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 415.777+/-0.090 χ^2/NDF: 2197742.1/25

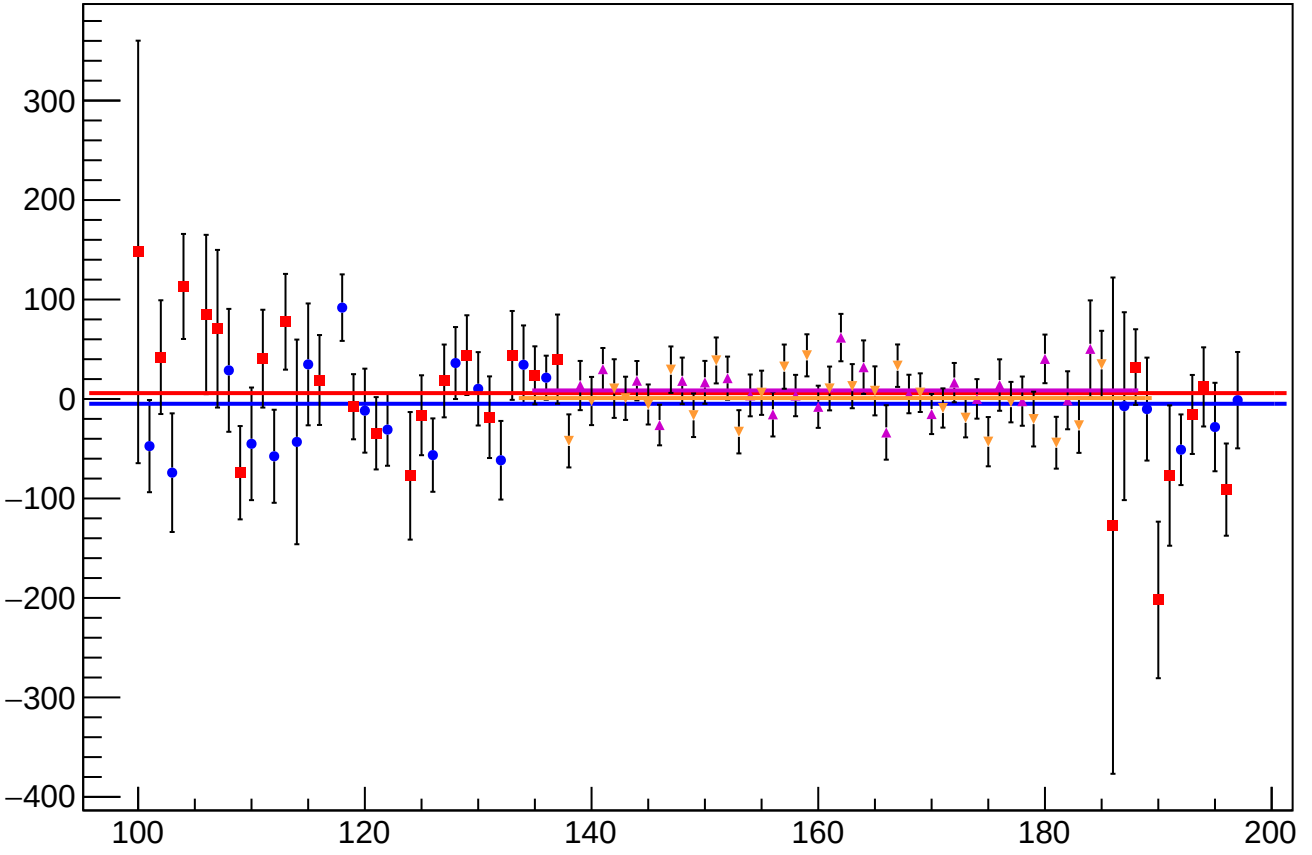
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 186.937+/-0.026 χ^2/NDF: 9264201.4/45

All: 188.573+/-0.019 χ^2/NDF: 19837379.0/94

- sign 190.290+/-0.027 χ^2/NDF: 10565286.0/48

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.809+/-9.085 χ^2/NDF: 23.6/20

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 5.906+/-9.022 χ^2/NDF: 32.6/25

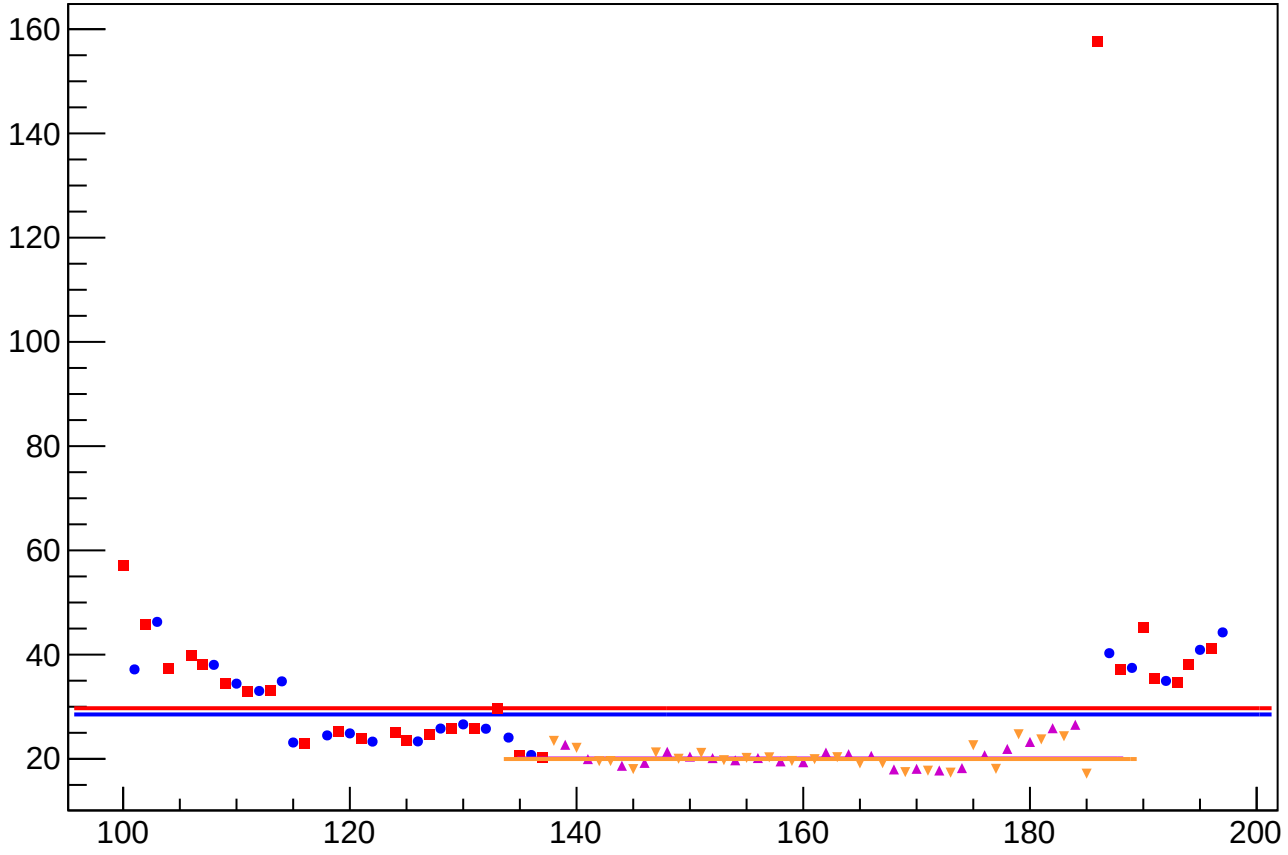
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.243+/-4.085 χ^2/NDF: 53.1/45

All: 3.790+/-2.923 χ^2/NDF: 107.1/94

- sign 8.021+/-4.185 χ^2/NDF: 52.0/48

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.522+/-0.006 χ^2/NDF: 1303360.6/20

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

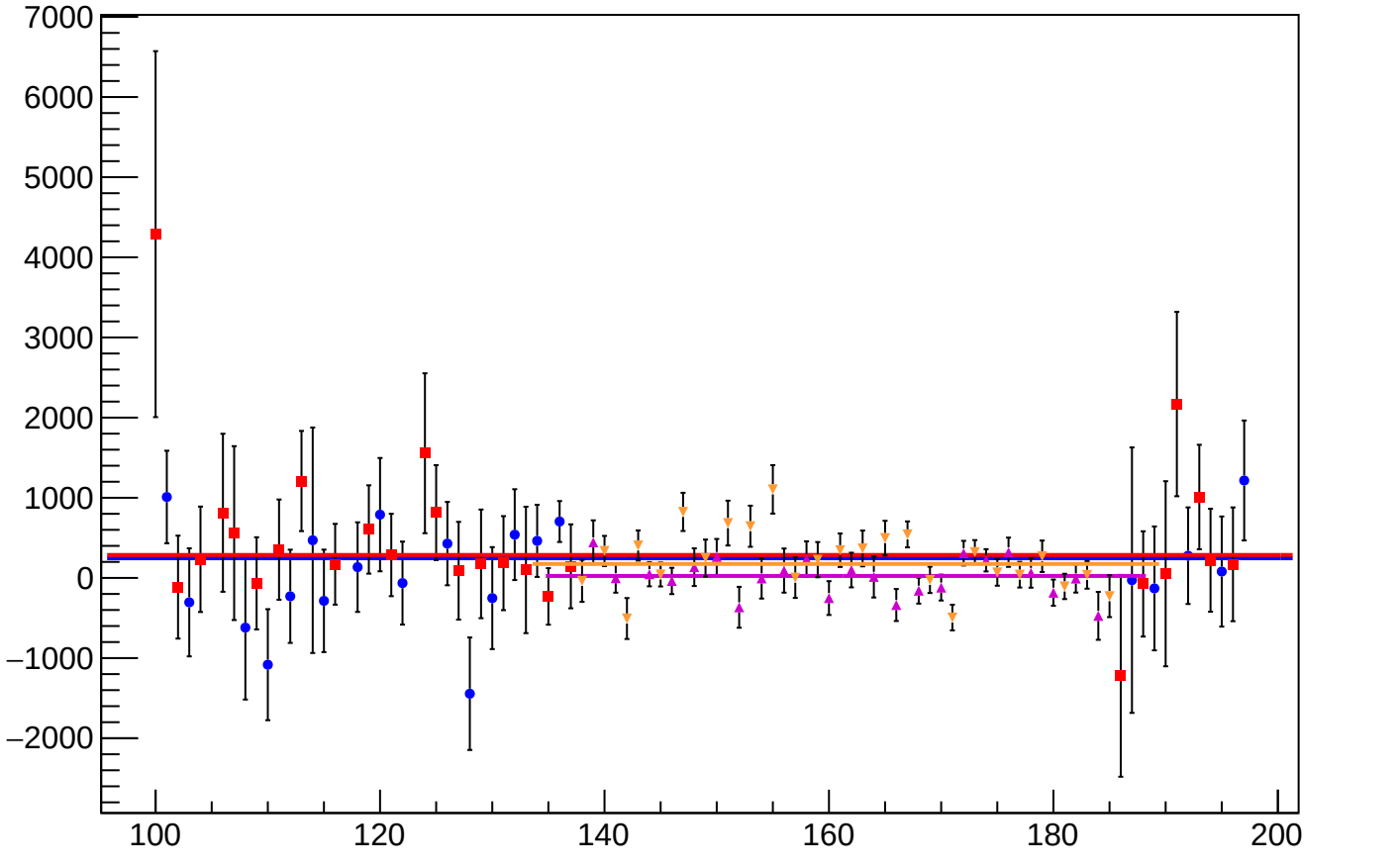
Right Out: 29.716+/-0.006 χ^2/NDF: 1807292.9/25

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.698+/-0.003 χ^2/NDF: 3104478.9/45

All: 21.917+/-0.002 χ^2/NDF: 7018884.7/94

- sign 22.147+/-0.003 χ^2/NDF: 3902617.3/48



Right In: 245.560+/-125.317 χ^2/NDF: 21.7/20

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

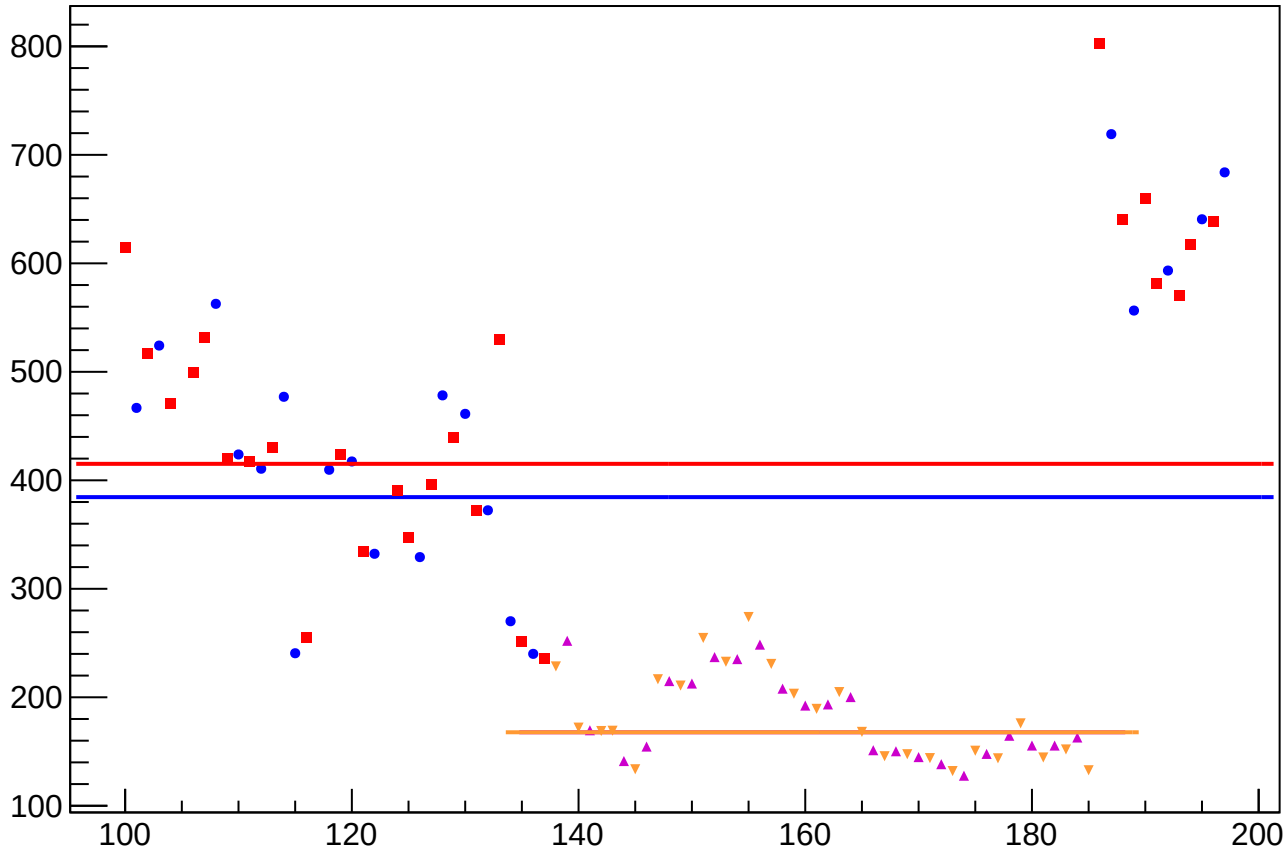
Right Out: 286.526+/-126.893 χ^2/NDF: 17.4/25

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 180.963+/-37.281 χ^2/NDF: 93.2/45

All: 116.284+/-26.684 χ^2/NDF: 147.5/94

- sign 48.341+/-38.210 χ^2/NDF: 48.1/48



Right In: 384.503+/-0.089 χ^2/NDF: 2232443.6/20

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

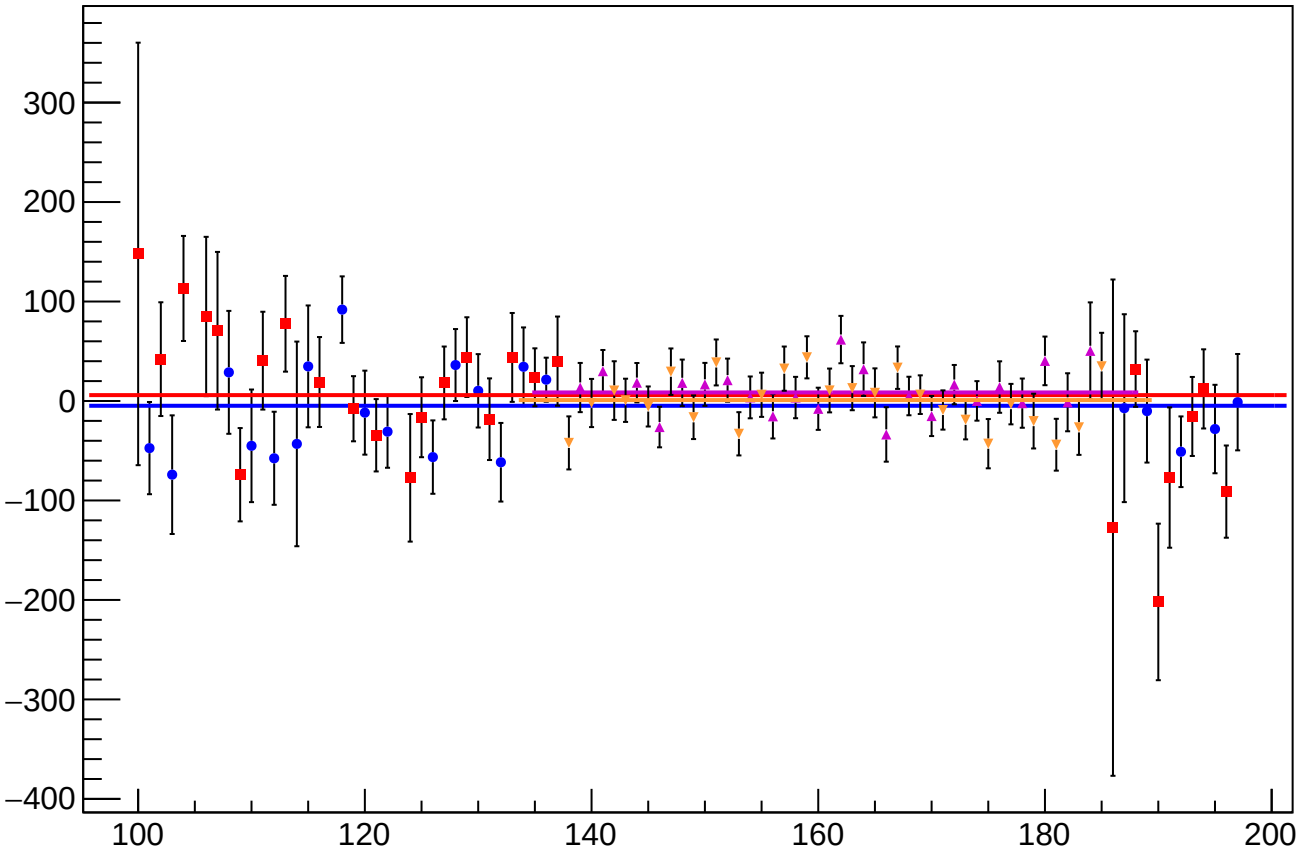
Right Out: 415.185+/-0.090 χ^2/NDF: 2186647.2/25

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 186.937+/-0.026 χ^2/NDF: 9264224.0/45

All: 188.521+/-0.019 χ^2/NDF: 19776561.0/94

- sign 190.185+/-0.027 χ^2/NDF: 10504935.7/48



Right In: -4.809+/-9.085 χ^2/NDF: 23.6/20

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 5.906+/-9.022 χ^2/NDF: 32.6/25

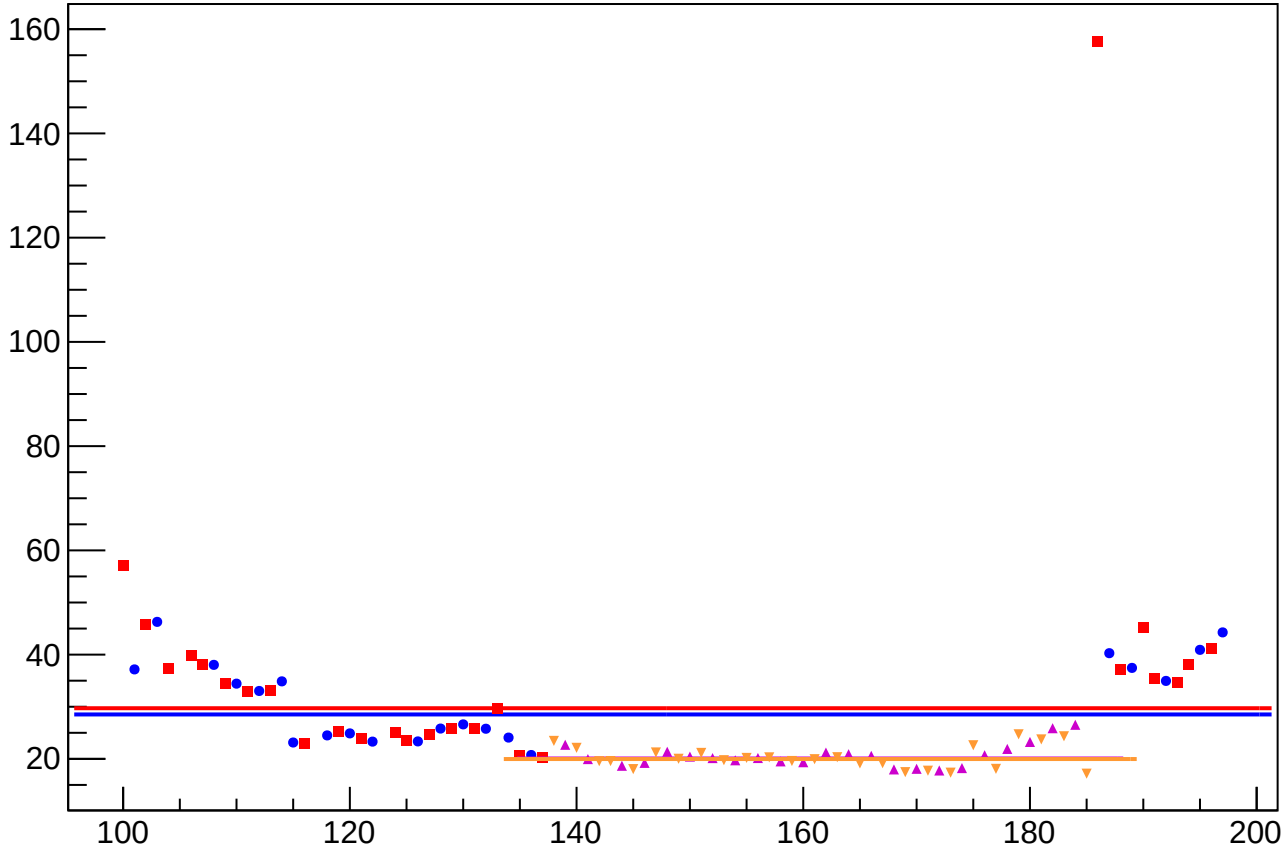
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.243+/-4.085 χ^2/NDF: 53.1/45

All: 3.790+/-2.923 χ^2/NDF: 107.1/94

- sign 8.021+/-4.185 χ^2/NDF: 52.0/48

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.522+/-0.006 χ^2/NDF: 1303360.6/20

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

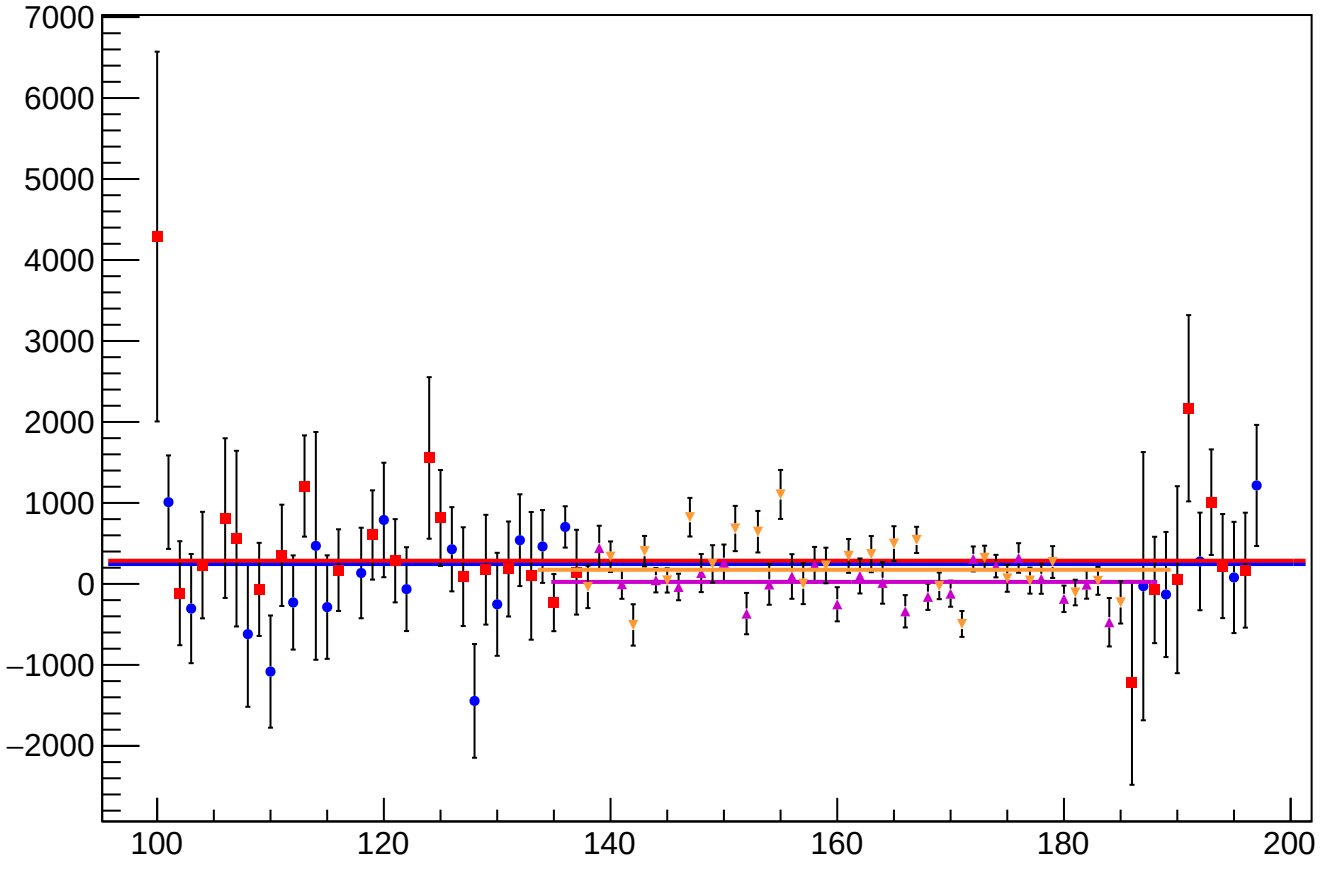
Right Out: 29.716+/-0.006 χ^2/NDF: 1807292.9/25

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.698+/-0.003 χ^2/NDF: 3104478.9/45

All: 21.917+/-0.002 χ^2/NDF: 7018884.7/94

- sign 22.147+/-0.003 χ^2/NDF: 3902617.3/48



Right In: 245.560+/-125.317 χ^2/NDF: 21.7/20

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

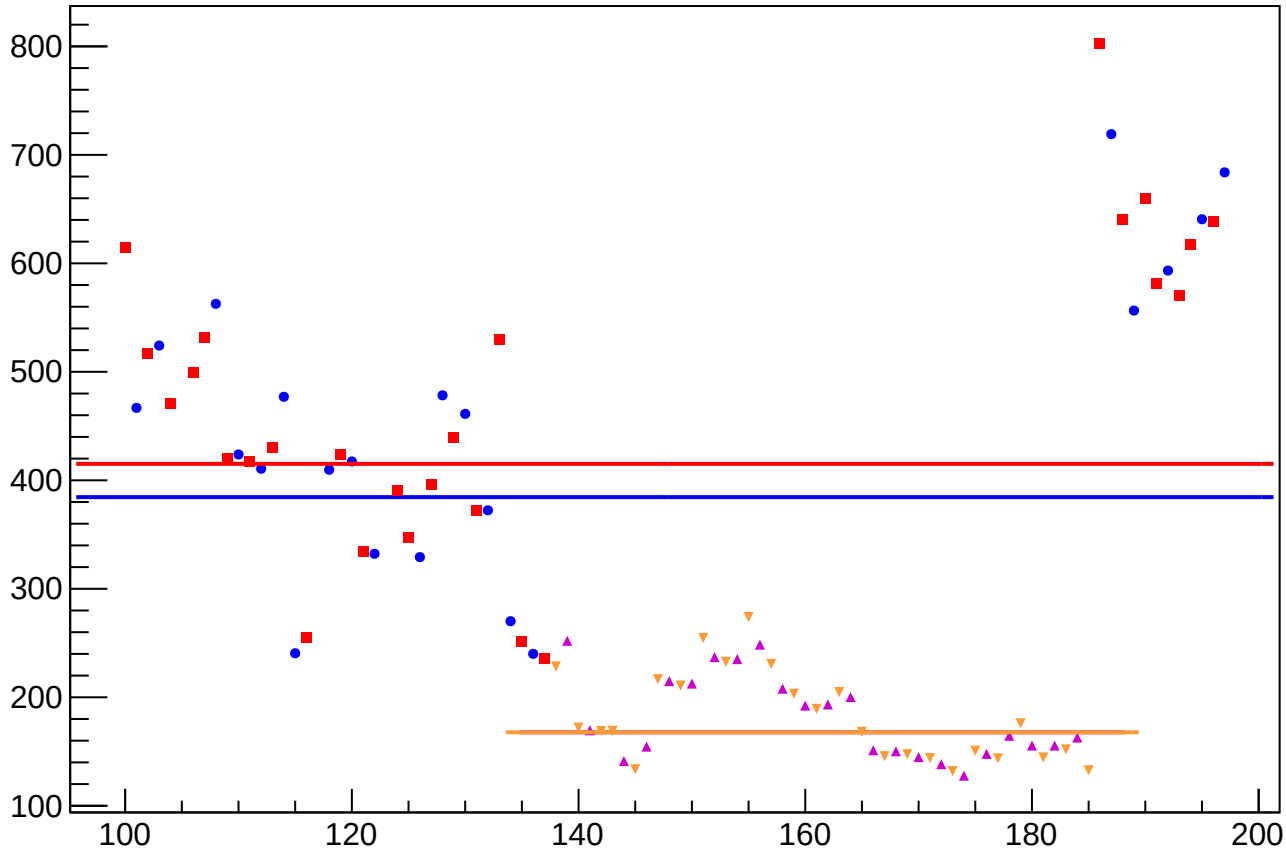
Right Out: 286.526+/-126.893 χ^2/NDF: 17.4/25

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 180.963+/-37.281 χ^2/NDF: 93.2/45

All: 116.284+/-26.684 χ^2/NDF: 147.5/94

- sign 48.341+/-38.210 χ^2/NDF: 48.1/48



Right In: 384.503+/-0.089 χ^2/NDF: 2232443.6/20

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 415.185+/-0.090 χ^2/NDF: 2186647.2/25

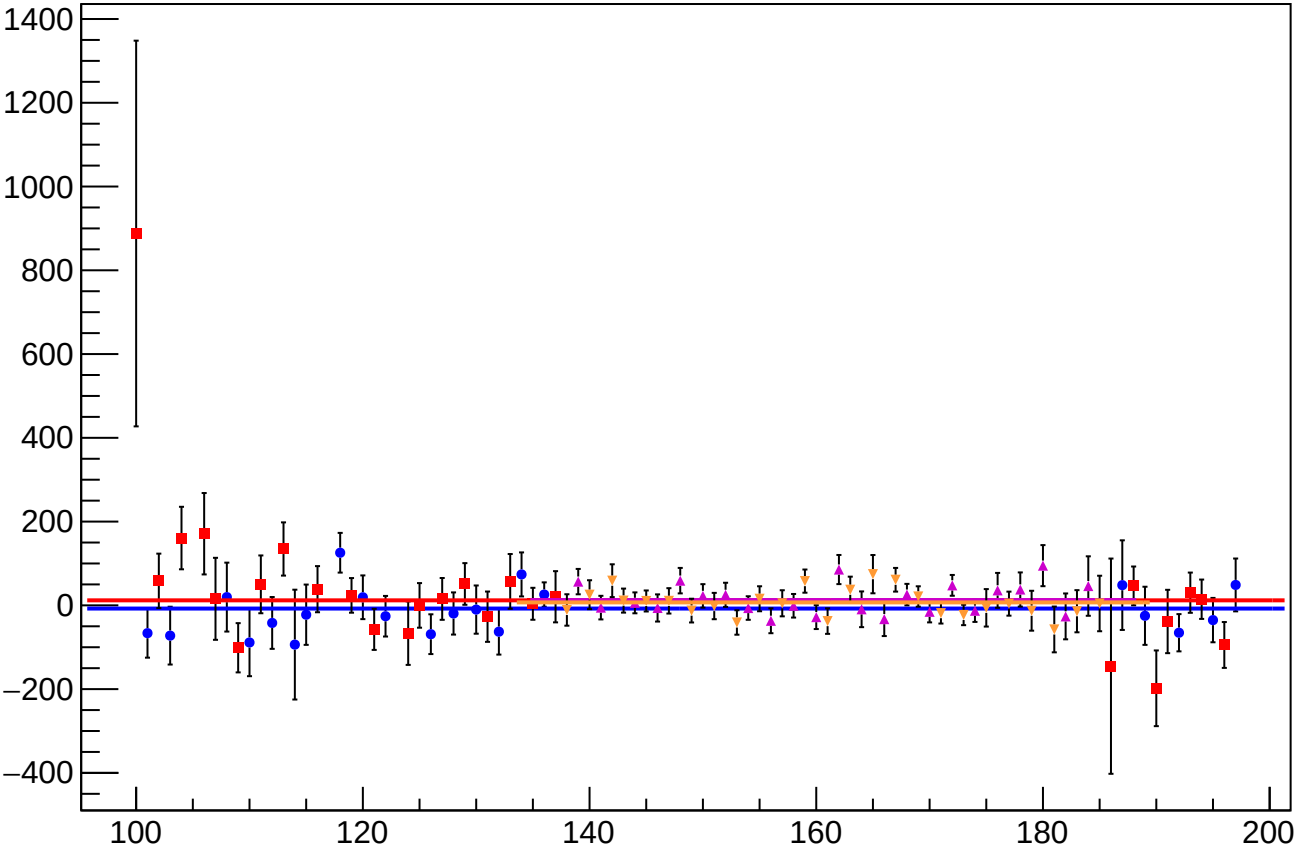
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 186.937+/-0.026 χ^2/NDF: 9264224.0/45

All: 188.521+/-0.019 χ^2/NDF: 19776561.0/94

- sign 190.185+/-0.027 χ^2/NDF: 10504935.7/48

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -7.648+/-11.966 χ^2/NDF: 21.7/20

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 11.982+/-11.542 χ^2/NDF: 34.3/25

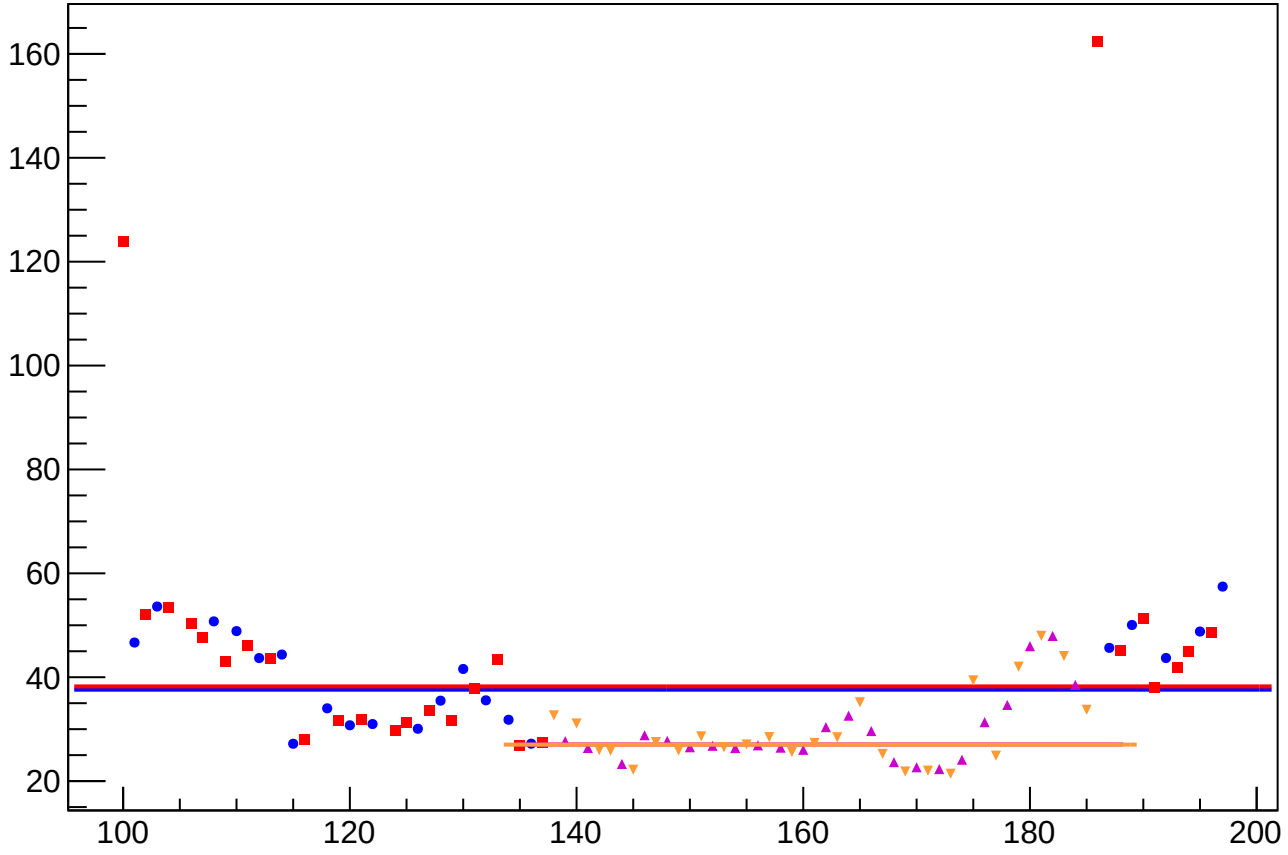
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.857+/-5.597 χ^2/NDF: 45.6/45

All: 8.133+/-3.984 χ^2/NDF: 106.6/94

- sign 12.524+/-5.673 χ^2/NDF: 59.9/48

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 37.604+/-0.008 χ^2/NDF: 1143270.6/20

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

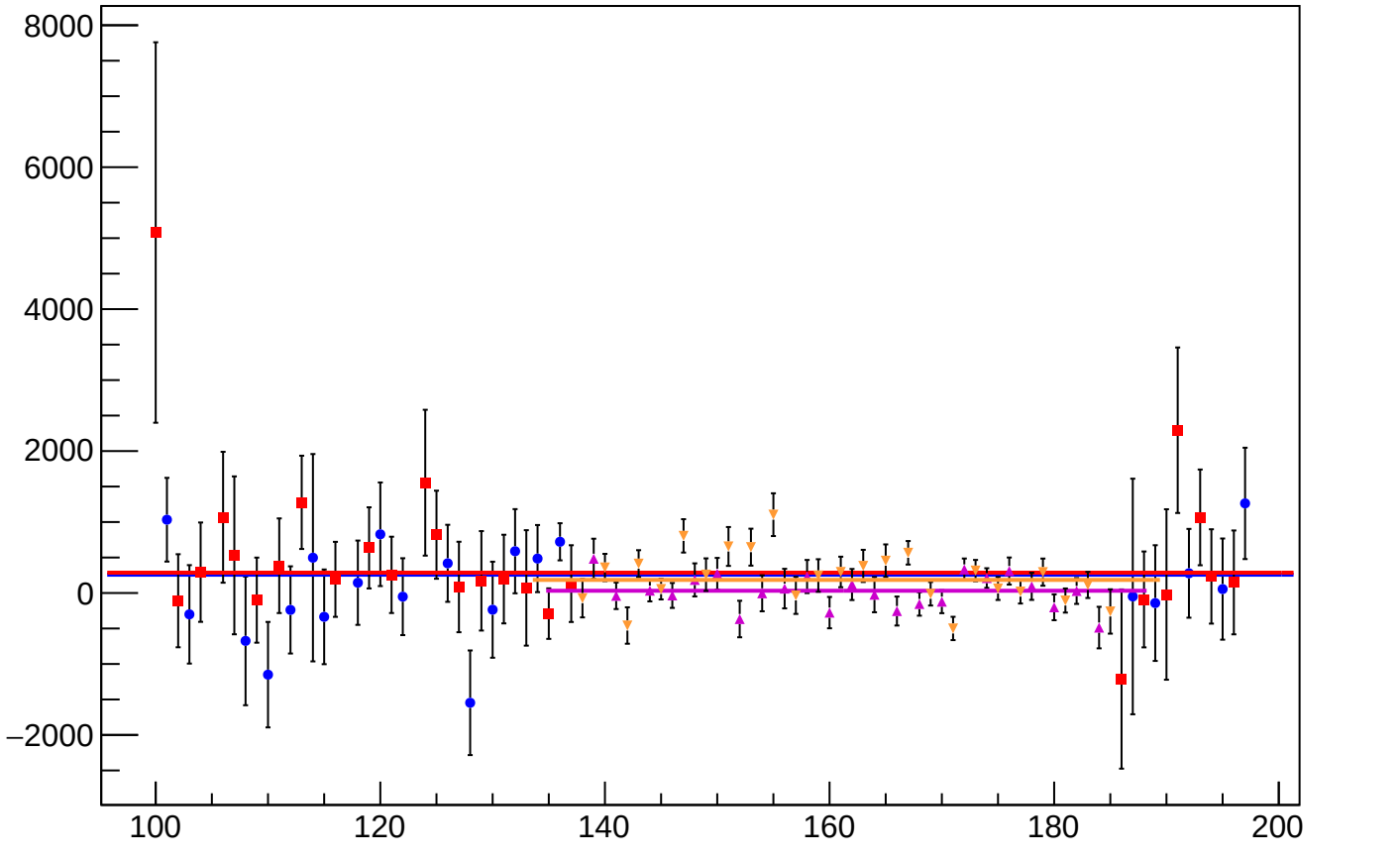
Right Out: 38.232+/-0.008 χ^2/NDF: 1536768.6/25

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 29.341+/-0.004 χ^2/NDF: 3794608.3/45

All: 29.544+/-0.003 χ^2/NDF: 7804292.5/94

- sign 29.752+/-0.004 χ^2/NDF: 4004349.8/48



Right In: 257.776+/-130.368 χ^2/NDF: 21.8/20

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

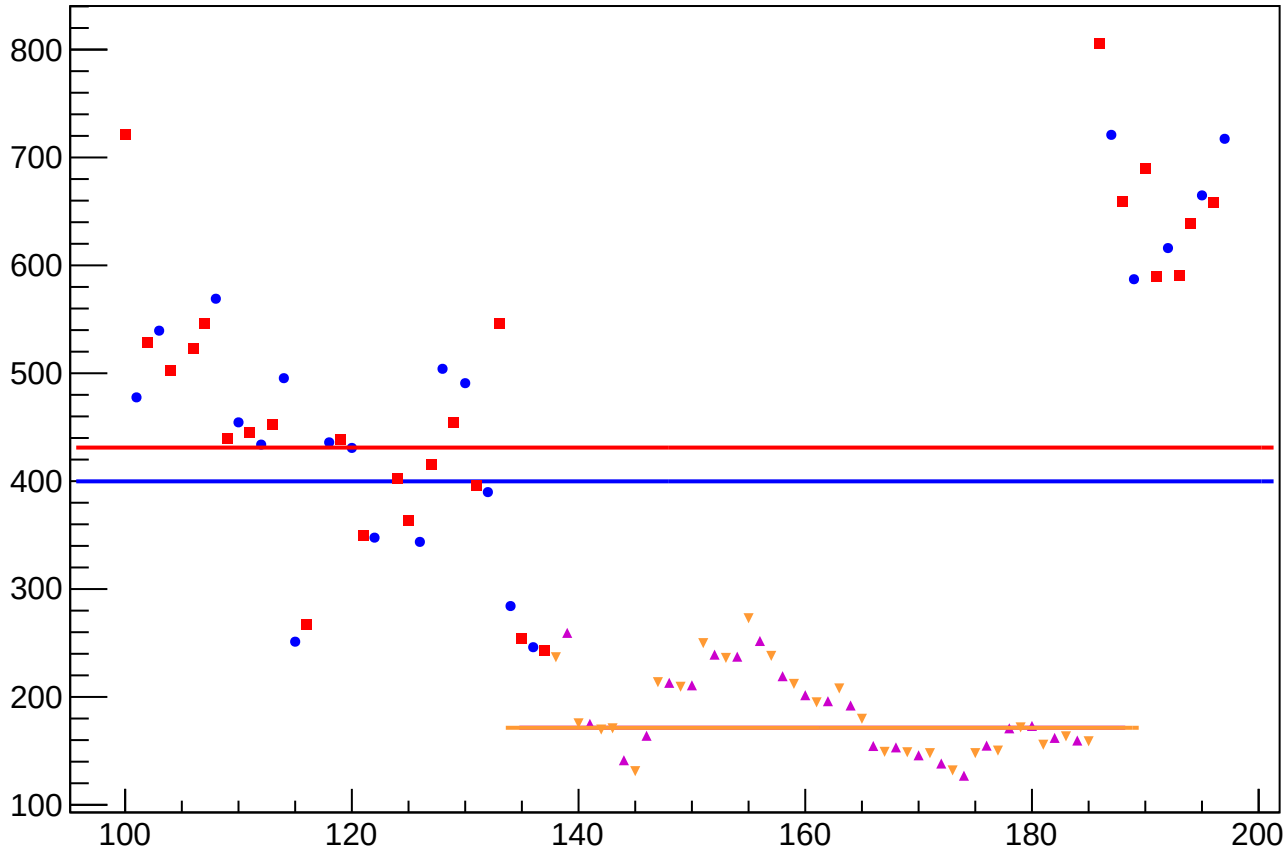
Right Out: 286.495+/-131.368 χ^2/NDF: 18.8/25

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 190.916+/-38.094 χ^2/NDF: 89.7/45

All: 124.498+/-27.291 χ^2/NDF: 144.6/94

- sign 54.465+/-39.116 χ^2/NDF: 48.6/48



Right In: 399.825+/-0.092 χ^2/NDF: 2272029.6/20

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 431.126+/-0.093 χ^2/NDF: 2213165.8/25

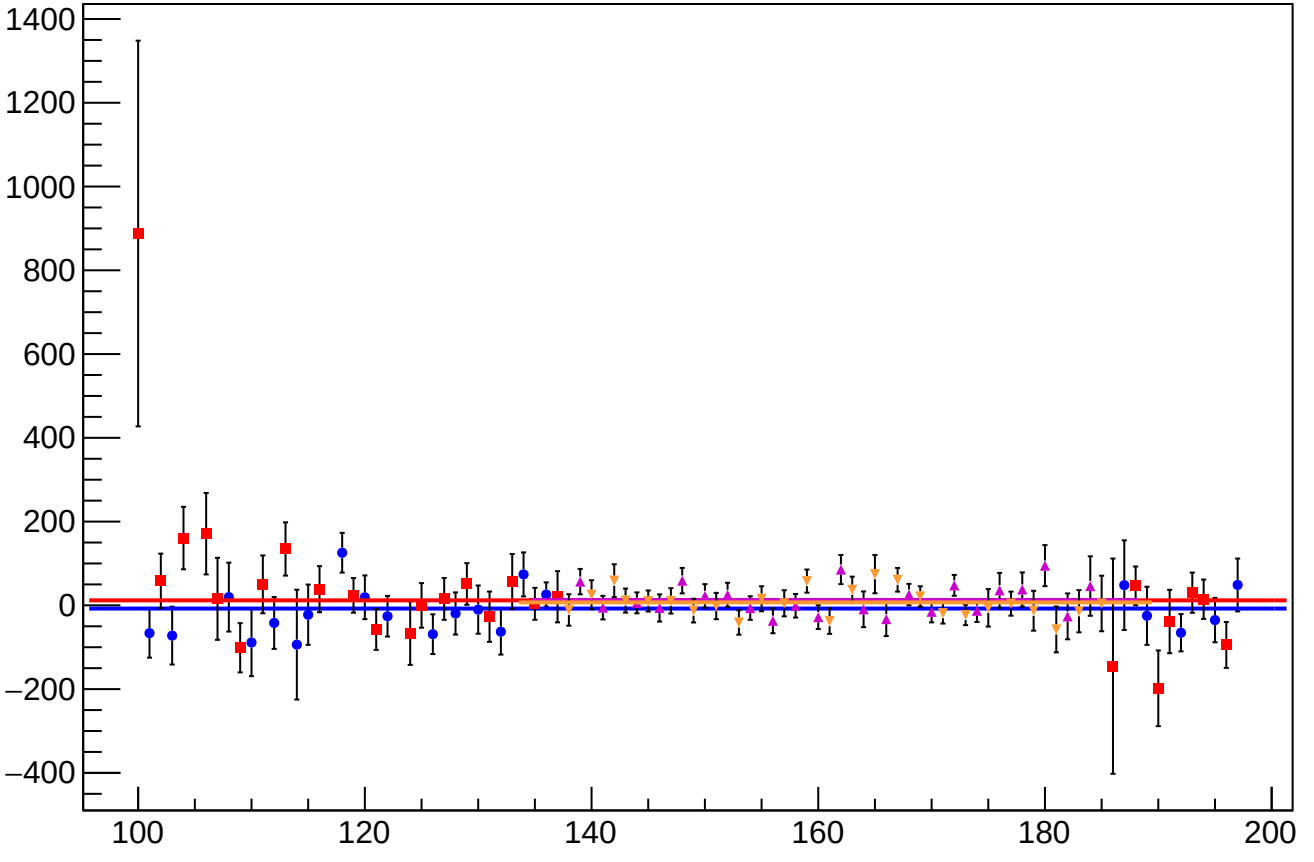
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 190.928+/-0.027 χ^2/NDF: 9413406.3/45

All: 192.671+/-0.019 χ^2/NDF: 20170630.6/94

- sign 194.510+/-0.028 χ^2/NDF: 10748616.4/48

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -7.649+/-11.966 χ^2/NDF: 21.7/20

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 11.981+/-11.542 χ^2/NDF: 34.3/25

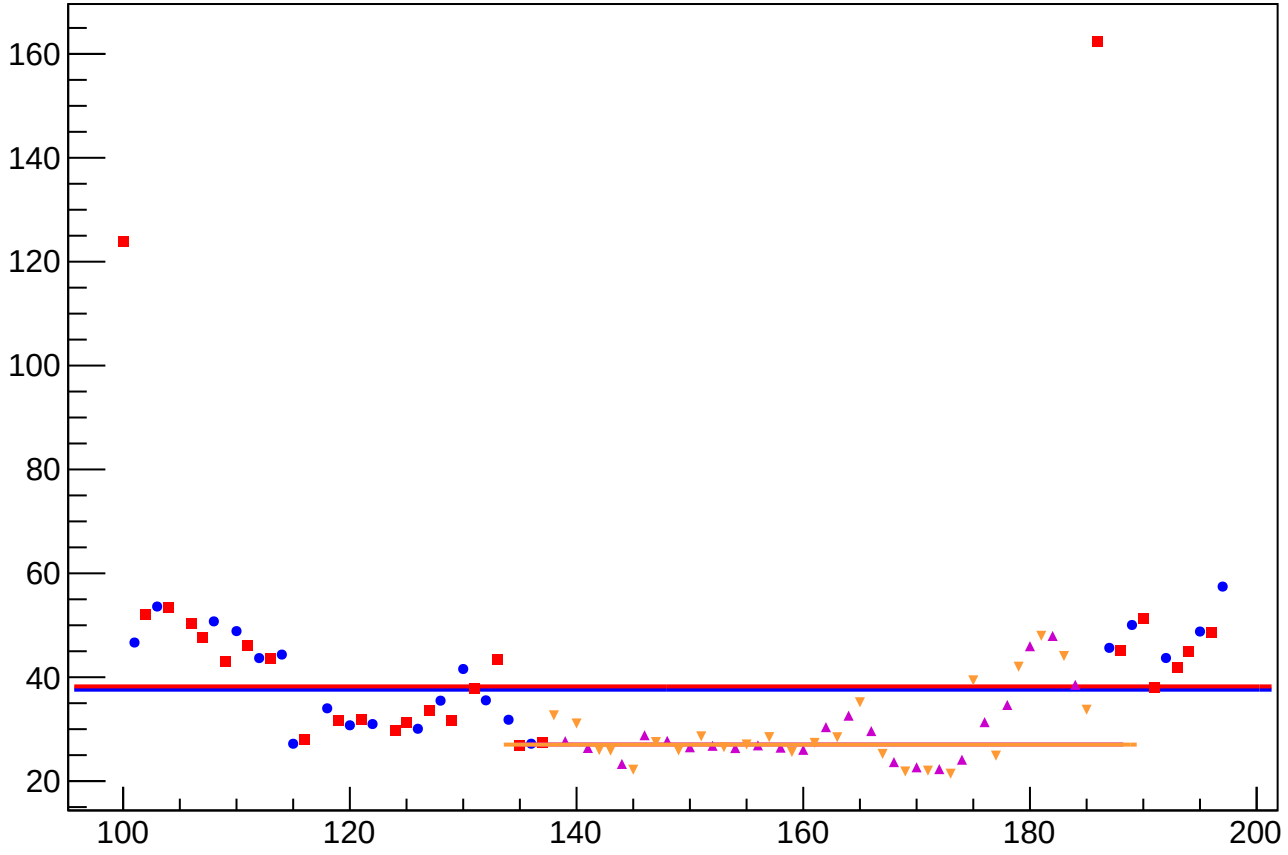
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.856+/-5.597 χ^2/NDF: 45.6/45

All: 8.132+/-3.984 χ^2/NDF: 106.6/94

- sign 12.524+/-5.673 χ^2/NDF: 59.9/48

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 37.603+/-0.008 χ^2/NDF: 1143263.2/20

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

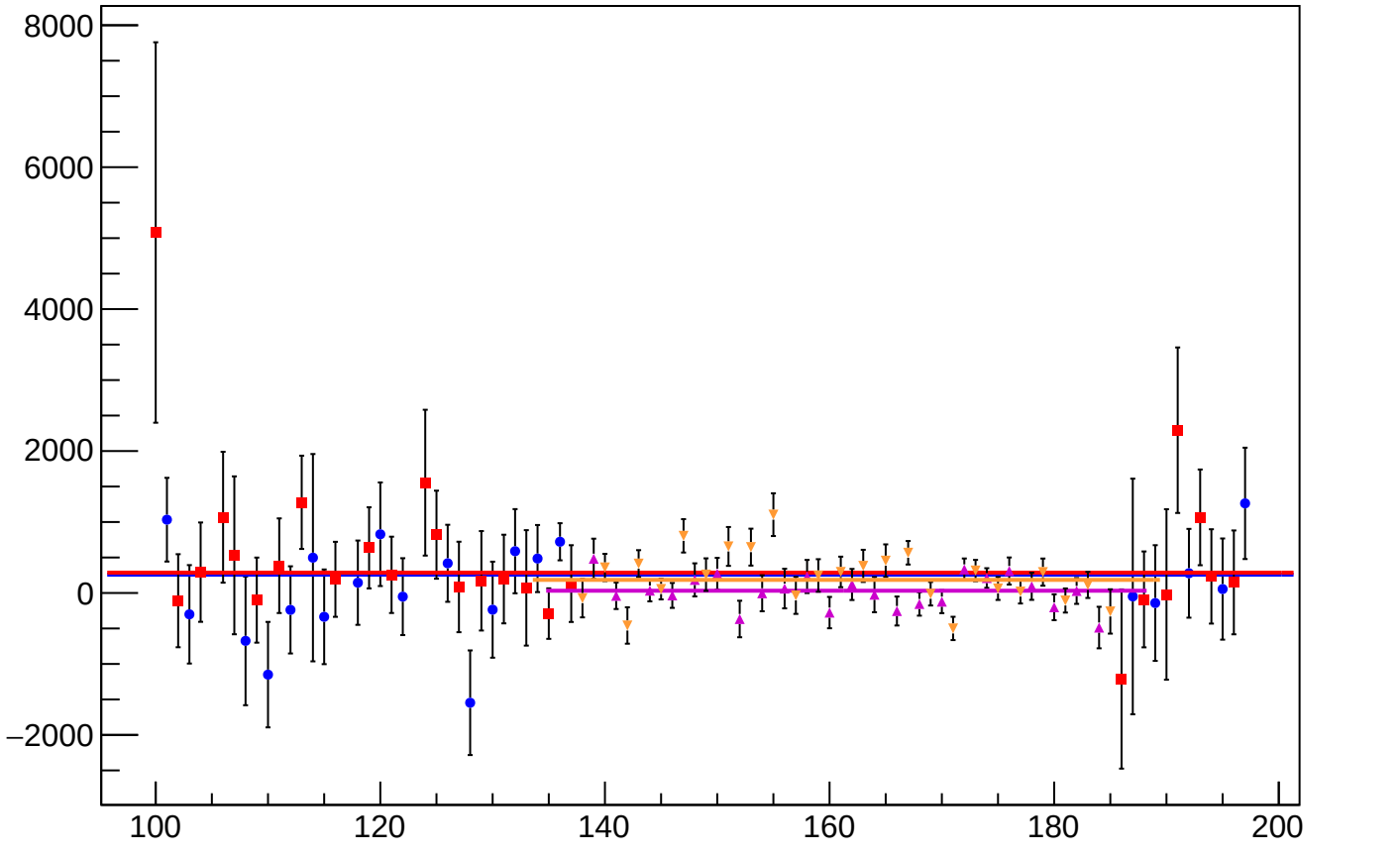
Right Out: 38.231+/-0.008 χ^2/NDF: 1536765.5/25

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 29.341+/-0.004 χ^2/NDF: 3794507.0/45

All: 29.544+/-0.003 χ^2/NDF: 7804072.9/94

- sign 29.752+/-0.004 χ^2/NDF: 4004232.1/48



Right In: 257.774+/-130.368 χ^2/NDF: 21.8/20

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

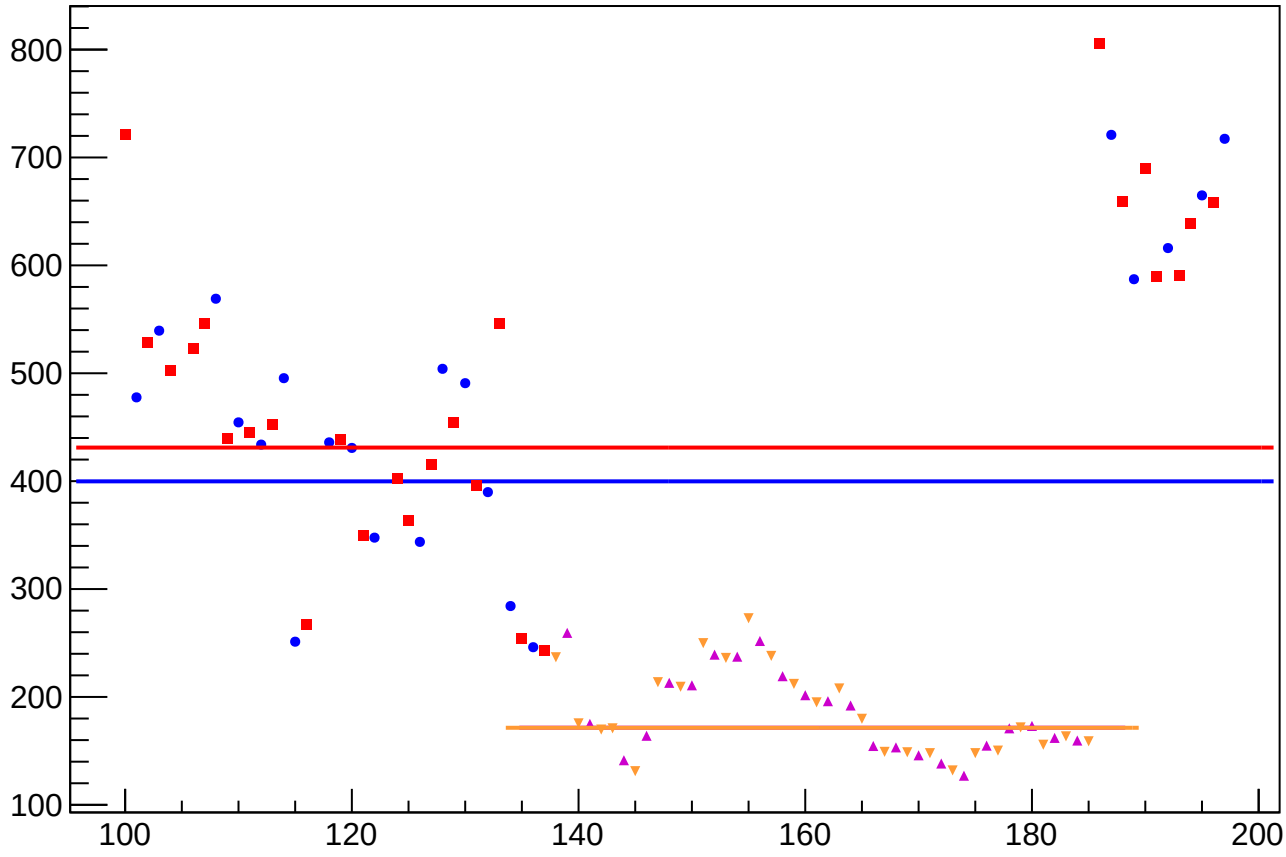
Right Out: 286.495+/-131.368 χ^2/NDF: 18.8/25

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 190.915+/-38.093 χ^2/NDF: 89.7/45

All: 124.497+/-27.291 χ^2/NDF: 144.6/94

- sign 54.465+/-39.116 χ^2/NDF: 48.6/48



Right In: 399.824+/-0.092 χ^2/NDF: 2272030.8/20

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 431.125+/-0.093 χ^2/NDF: 2213170.5/25

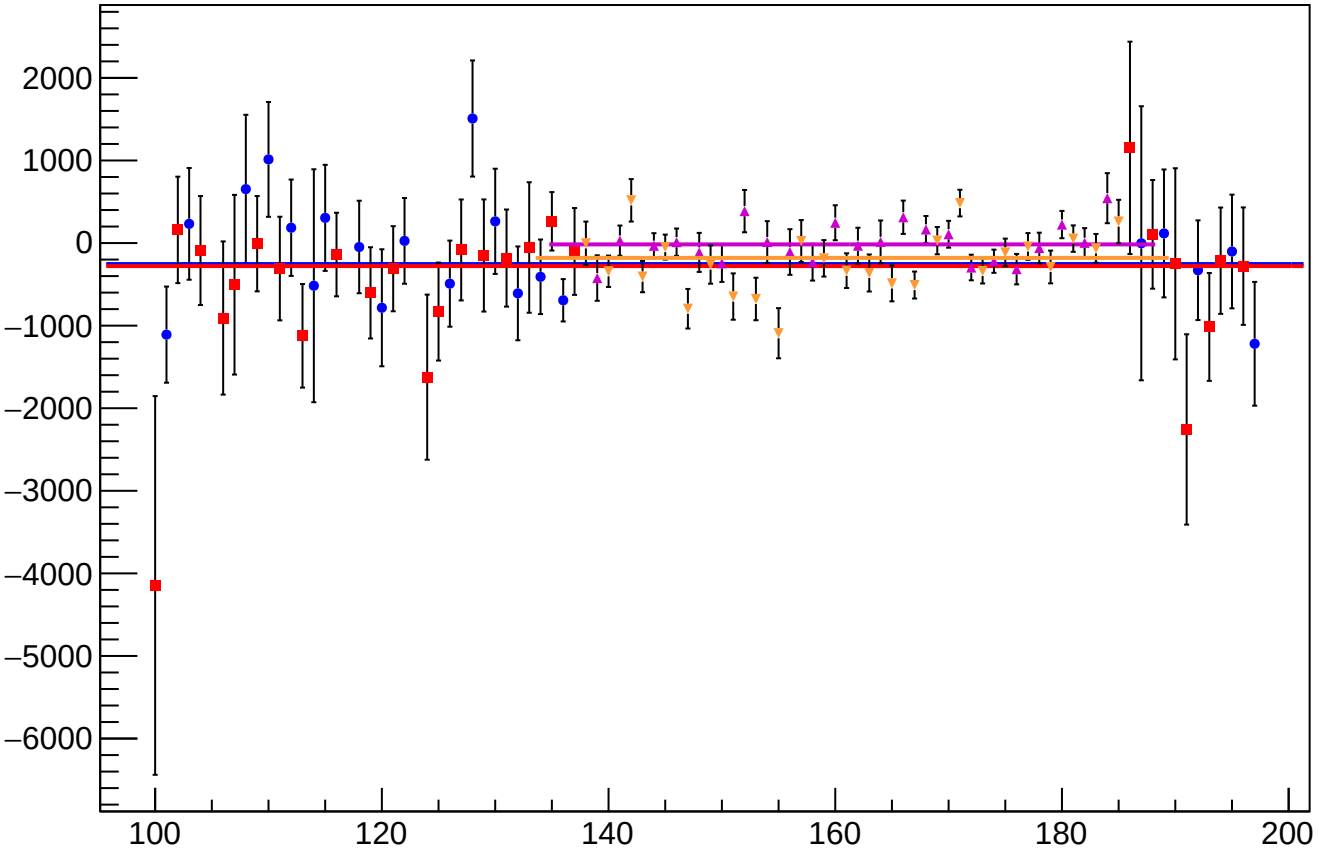
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 190.927+/-0.027 χ^2/NDF: 9413431.6/45

All: 192.671+/-0.019 χ^2/NDF: 20170687.2/94

- sign 194.509+/-0.028 χ^2/NDF: 10748648.1/48

asym_sam_1357_2468_dd_mean vs Slug



Right In: -254.372+/-125.736 χ^2/NDF: 21.9/20

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -278.821+/-127.136 χ^2/NDF: 17.5/25

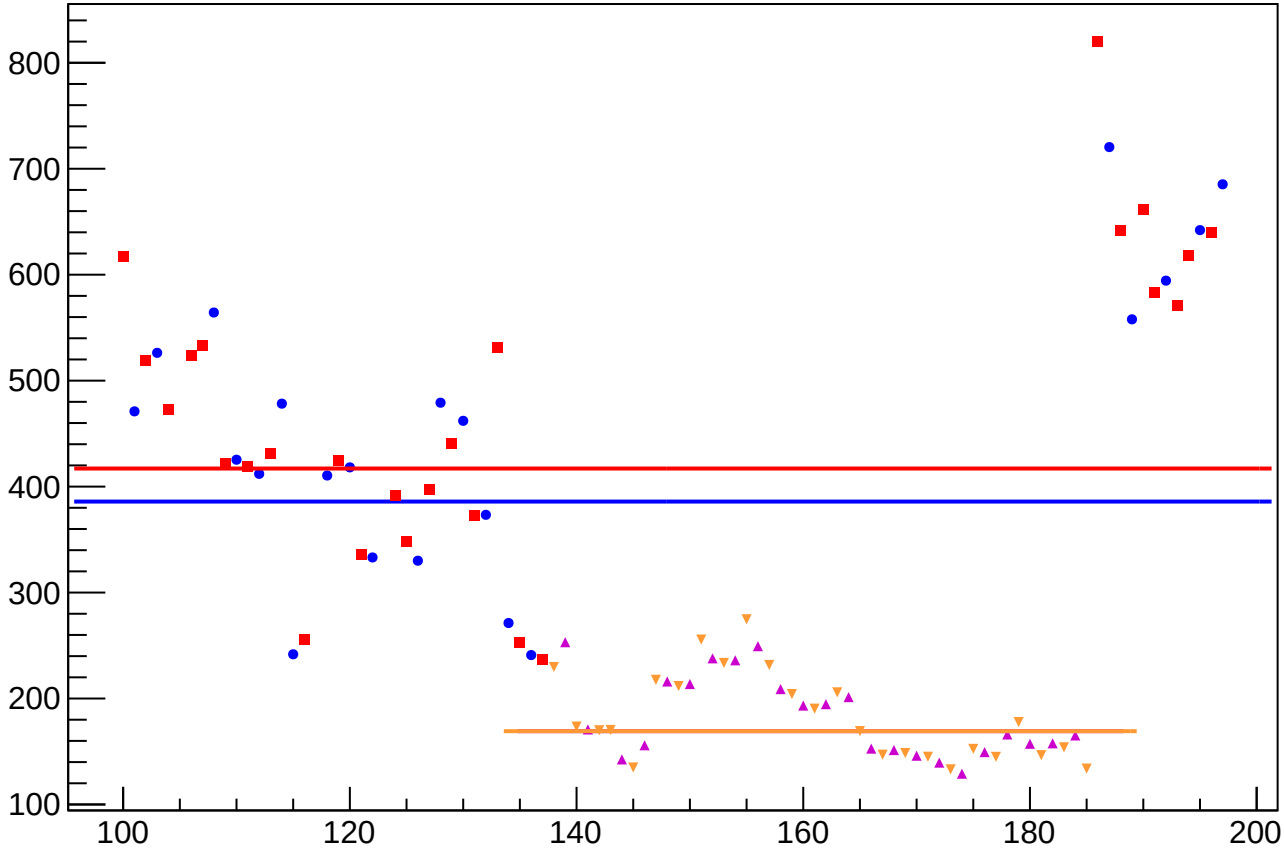
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -186.325+/-37.566 χ^2/NDF: 89.4/45

All: -115.033+/-26.887 χ^2/NDF: 144.8/94

- sign -40.153+/-38.499 χ^2/NDF: 48.0/48

asym_sam_1357_2468_dd_rms vs Slug



Right In: 385.884+/-0.089 χ^2/NDF: 2226219.7/20

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

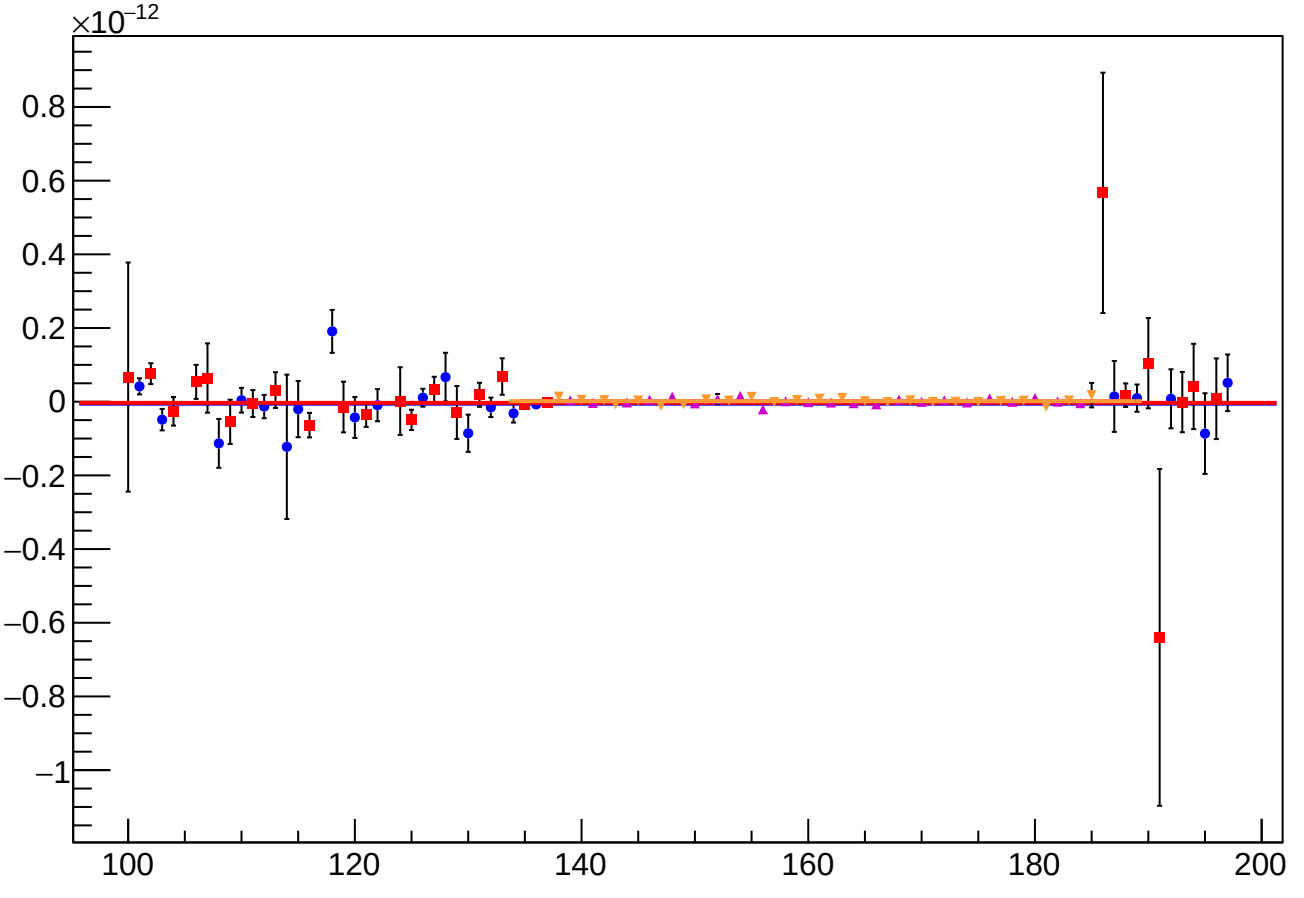
Right Out: 417.065+/-0.090 χ^2/NDF: 2200312.7/25

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 188.525+/-0.027 χ^2/NDF: 9184342.6/45

All: 190.179+/-0.019 χ^2/NDF: 19672631.2/94

- sign 191.918+/-0.027 χ^2/NDF: 10480330.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

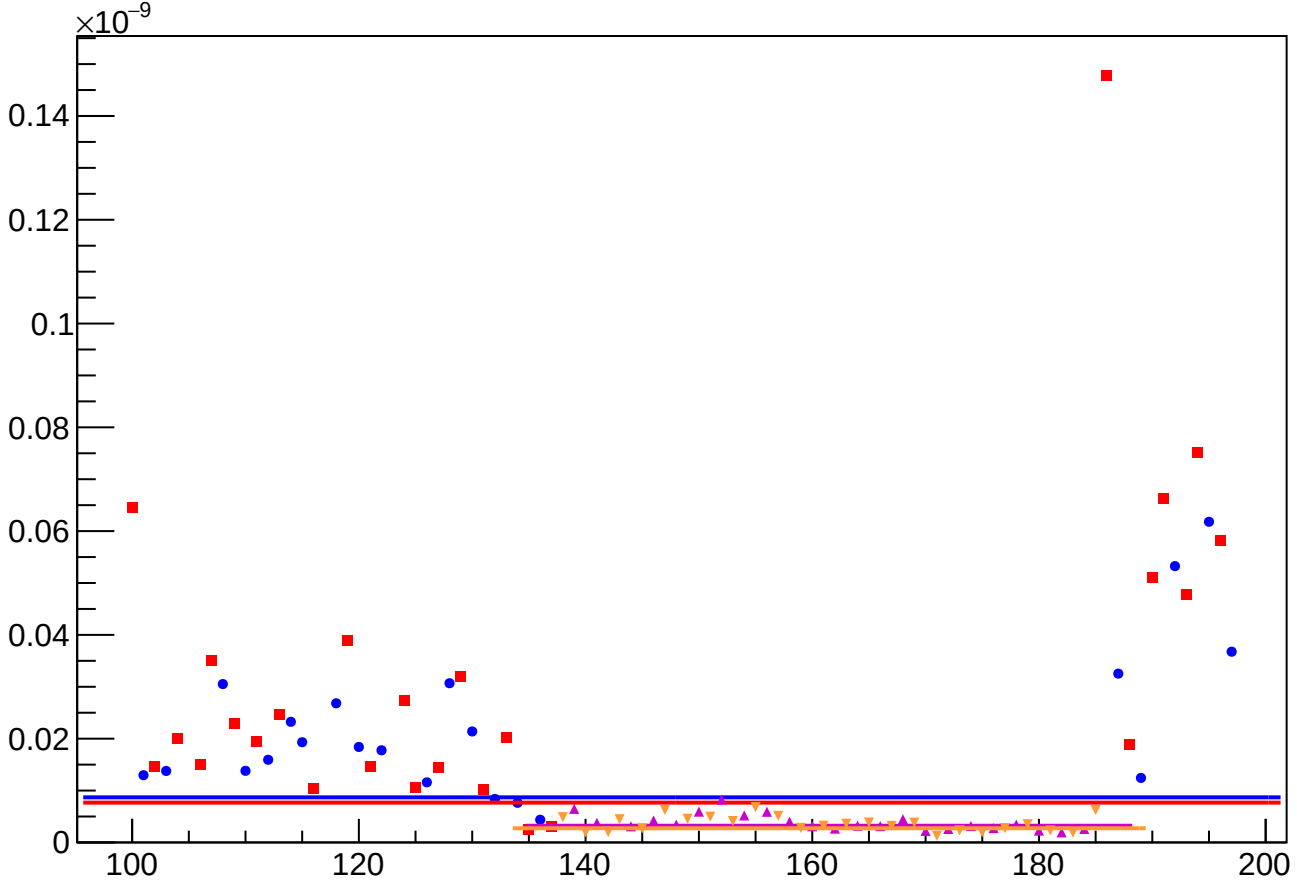
Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/25

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.9/45

All: 0.000+/-0.000 χ^2/NDF: 98.6/94

- sign 0.000+/-0.000 χ^2/NDF: 49.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 3478891.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

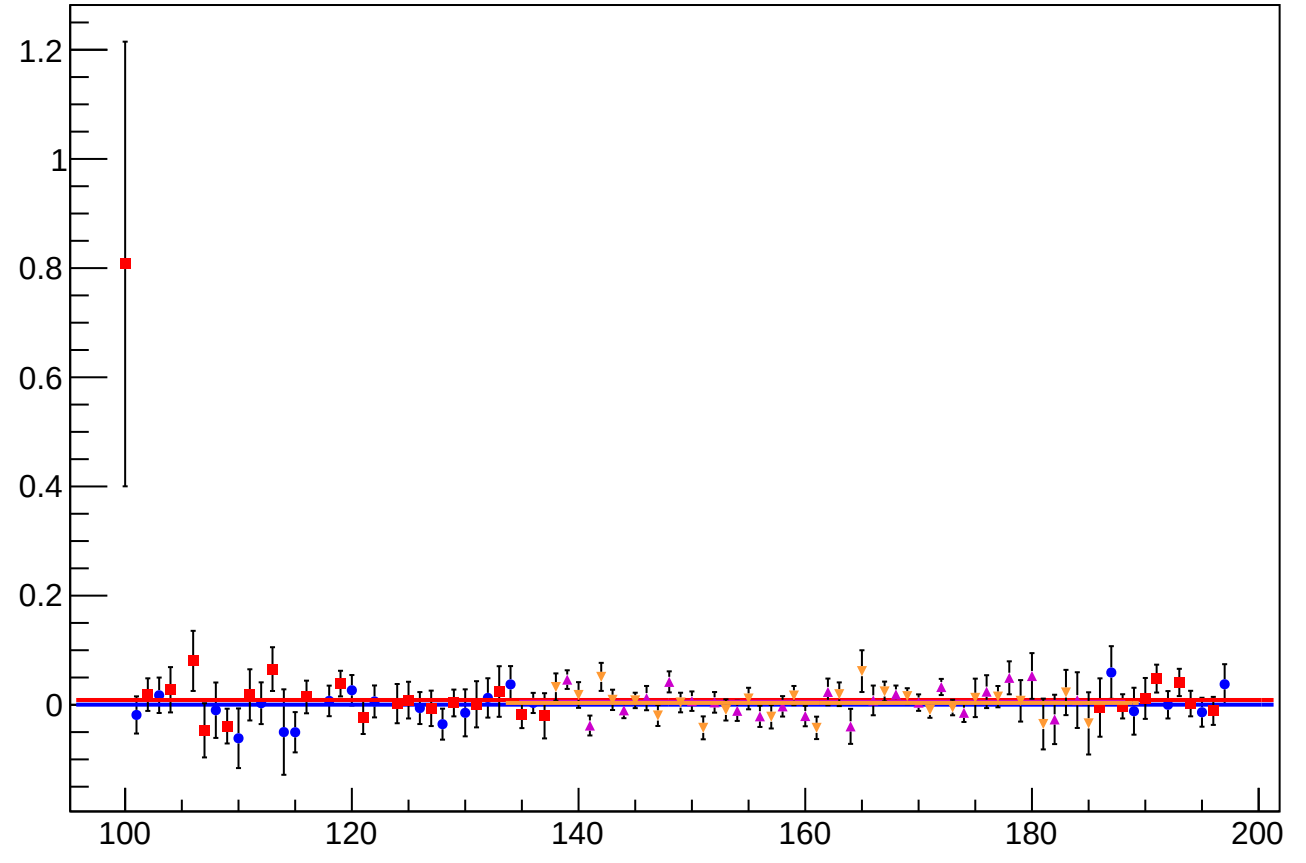
Right Out: 0.000+/-0.000 χ^2/NDF: 5918344.6/25

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7588993.8/45

All: 0.000+/-0.000 χ^2/NDF: 16288742.5/94

- sign 0.000+/-0.000 χ^2/NDF: 8539996.7/48



Right In: 0.000+/-0.007 χ^2/NDF: 11.2/20

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/25

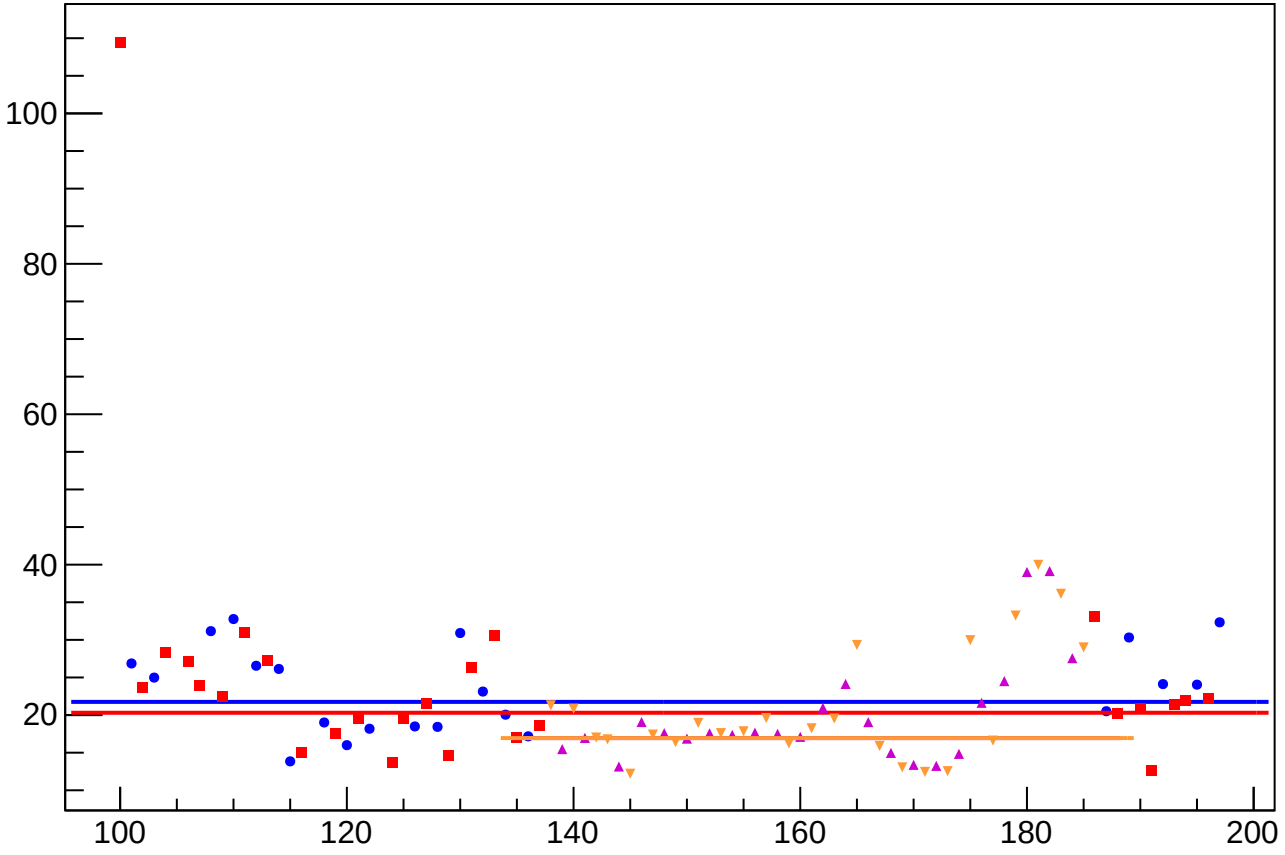
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 38.3/45

All: 0.005+/-0.002 χ^2/NDF: 93.7/94

- sign 0.007+/-0.003 χ^2/NDF: 54.8/48

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.755+/-0.005 χ^2/NDF: 1032351.6/20

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

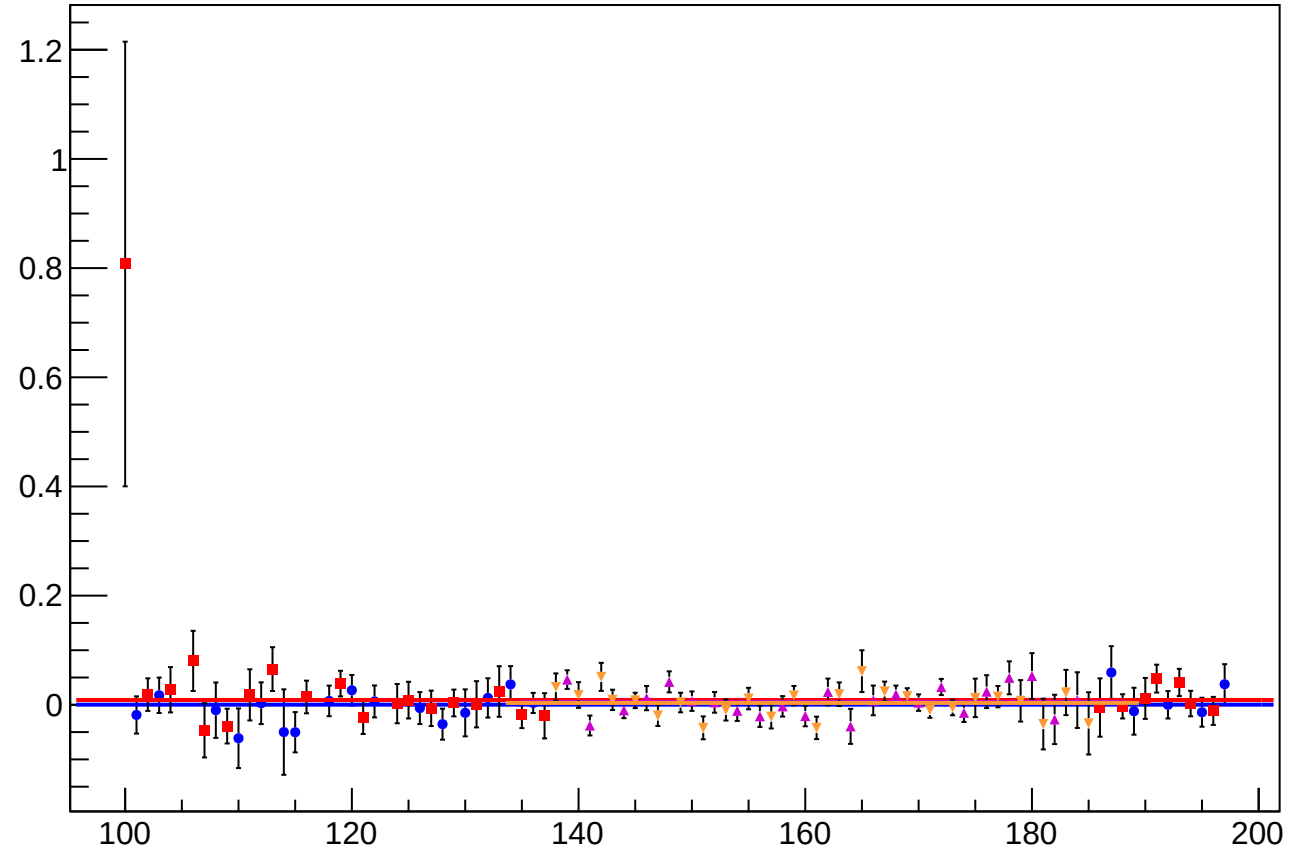
Right Out: 20.310+/-0.004 χ^2/NDF: 1187886.6/25

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 18.151+/-0.003 χ^2/NDF: 4567287.6/45

All: 18.069+/-0.002 χ^2/NDF: 8100345.6/94

\- sign 17.989+/-0.002 χ^2/NDF: 3530917.9/48



Right In: 0.000+/-0.007 χ^2/NDF: 11.2/20

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

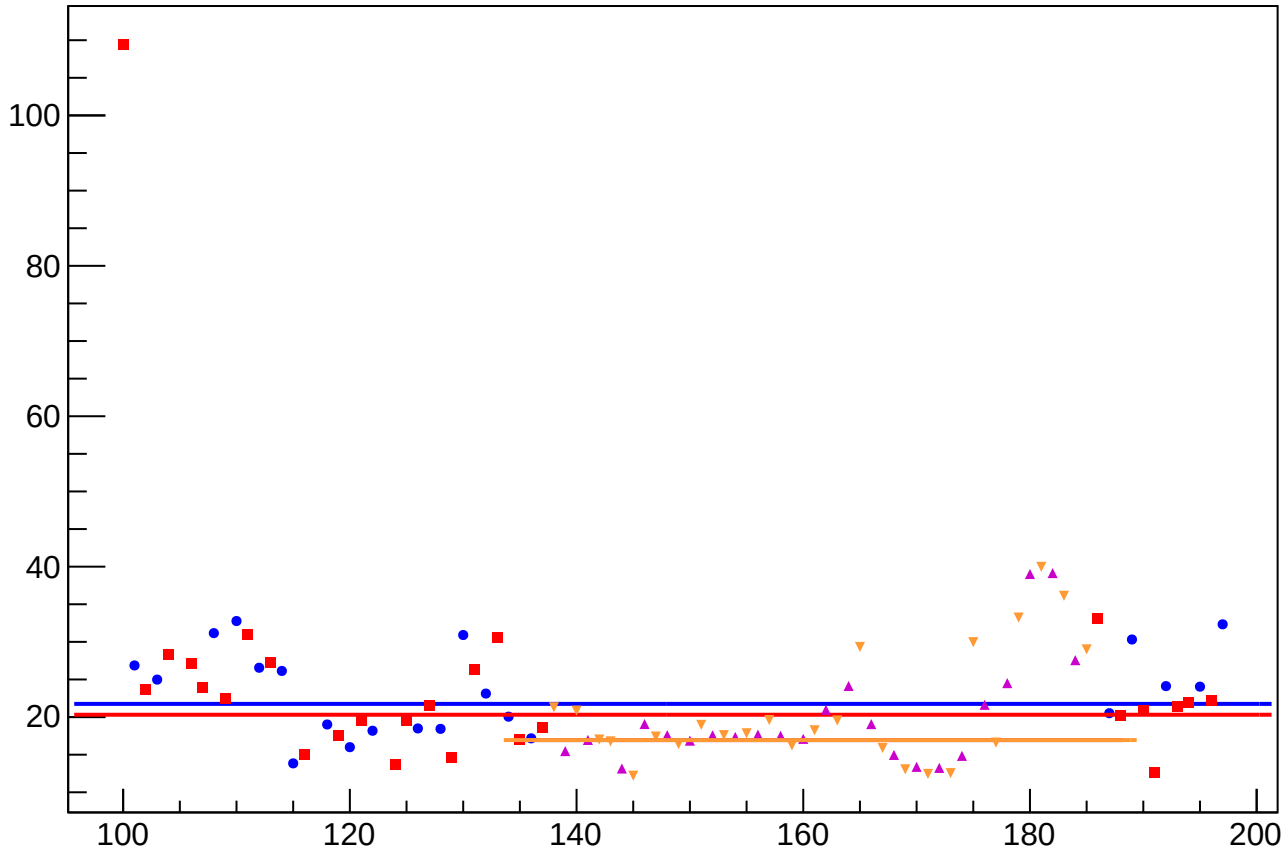
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/25

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 38.3/45

All: 0.005+/-0.002 χ^2/NDF: 93.7/94

- sign 0.007+/-0.003 χ^2/NDF: 54.8/48



Right In: 21.755+/-0.005 χ^2/NDF: 1032351.6/20

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

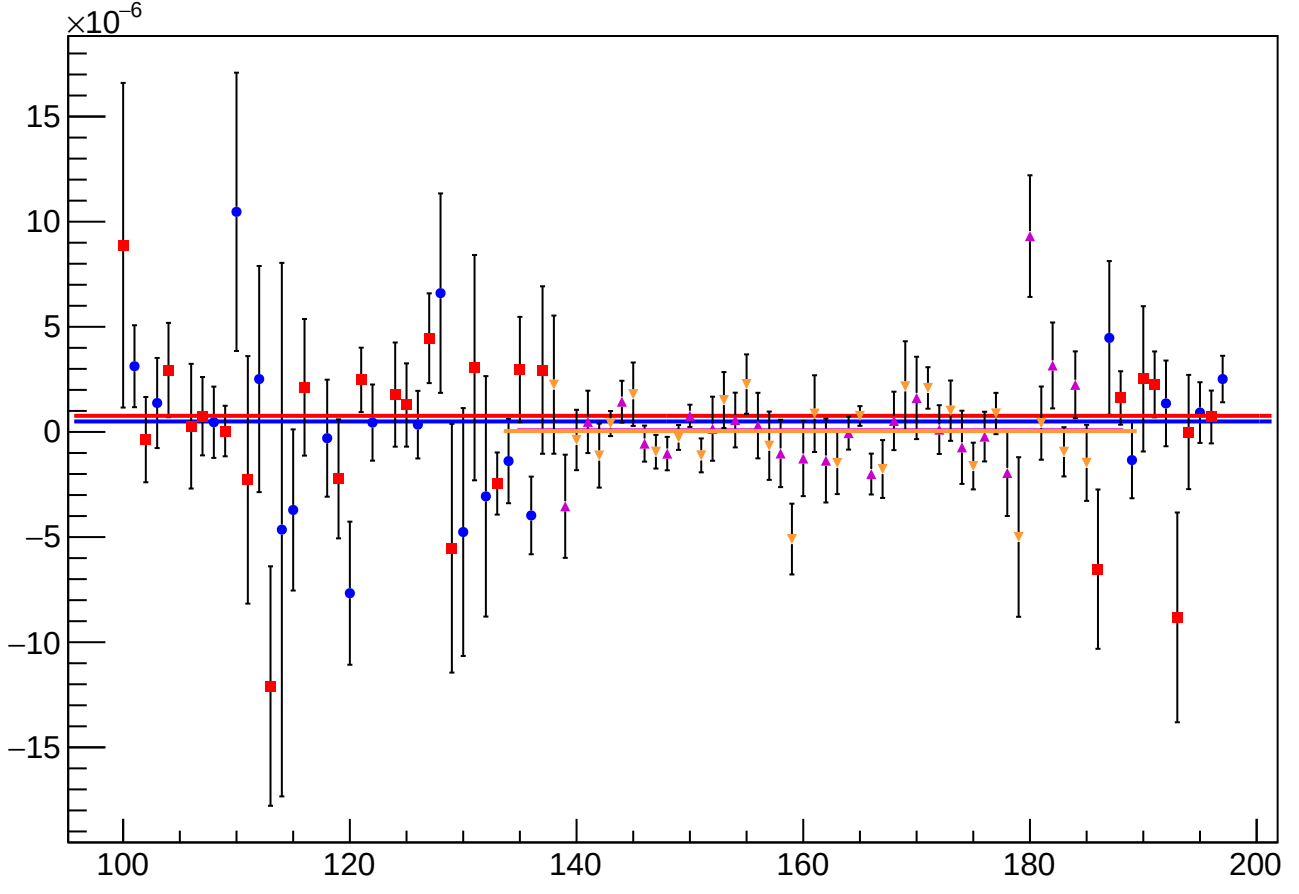
Right Out: 20.310+/-0.004 χ^2/NDF: 1187886.6/25

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 18.151+/-0.003 χ^2/NDF: 4567287.6/45

All: 18.069+/-0.002 χ^2/NDF: 8100345.6/94

\- sign 17.989+/-0.002 χ^2/NDF: 3530917.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/20

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

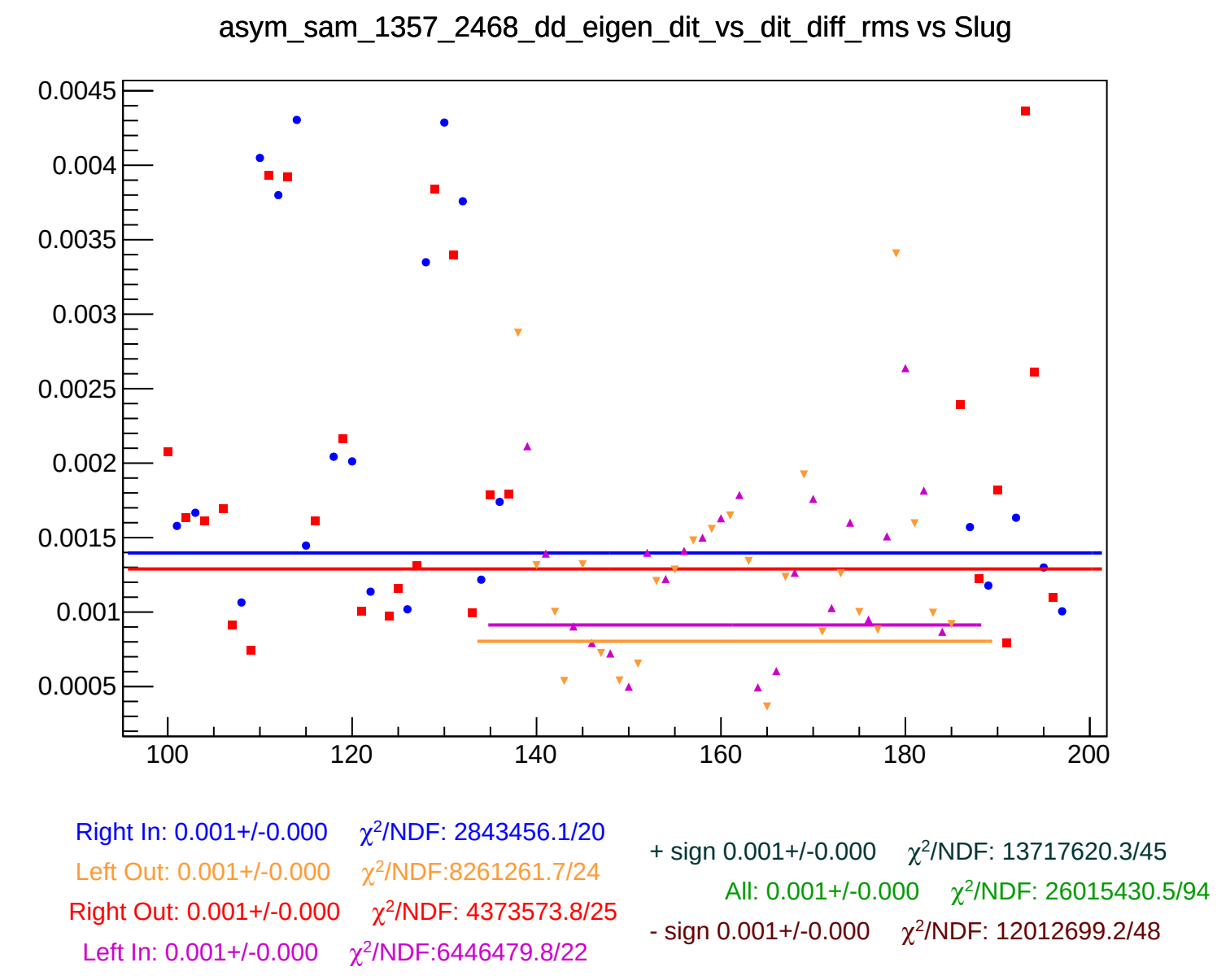
Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/25

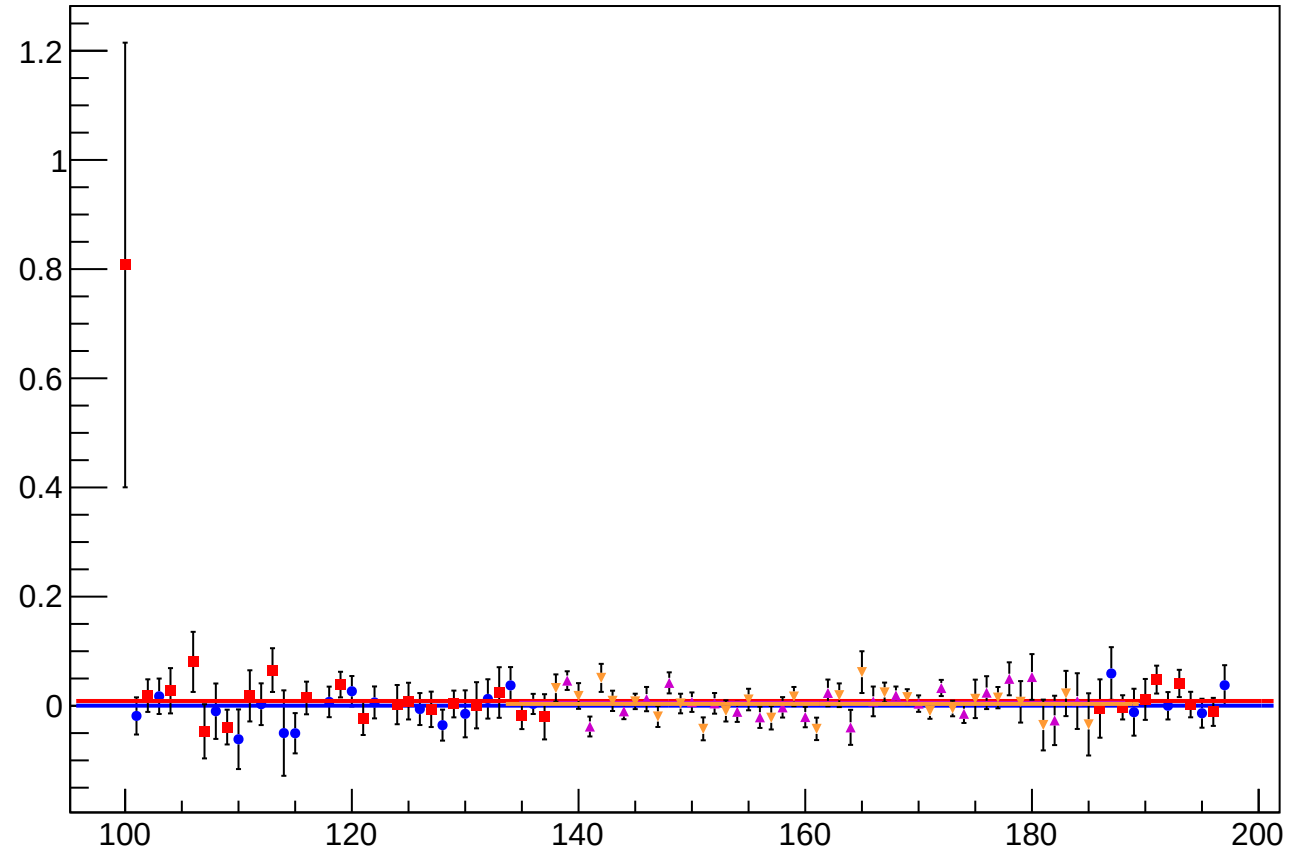
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.9/45

All: 0.000+/-0.000 χ^2/NDF: 128.2/94

- sign 0.000+/-0.000 χ^2/NDF: 63.1/48


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: 2843456.1/20
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 4373573.8/25
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 13717620.3/45
All: 0.001+/-0.000 χ²/NDF: 26015430.5/94
- sign 0.001+/-0.000 χ²/NDF: 12012699.2/48



Right In: 0.000+/-0.007 χ^2/NDF: 11.2/20

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

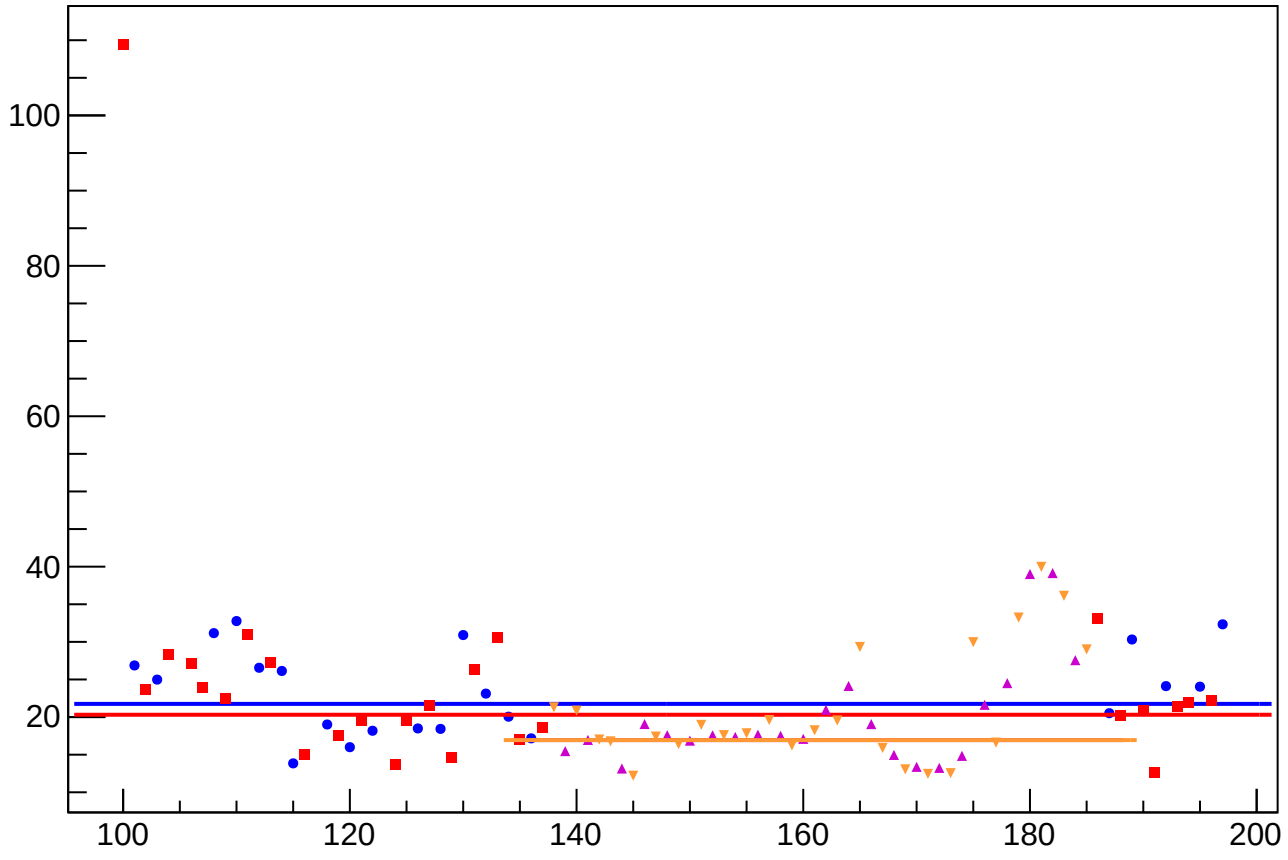
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/25

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 38.3/45

All: 0.005+/-0.002 χ^2/NDF: 93.7/94

- sign 0.007+/-0.003 χ^2/NDF: 54.8/48



Right In: 21.754+/-0.005 χ^2/NDF: 1032297.8/20

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

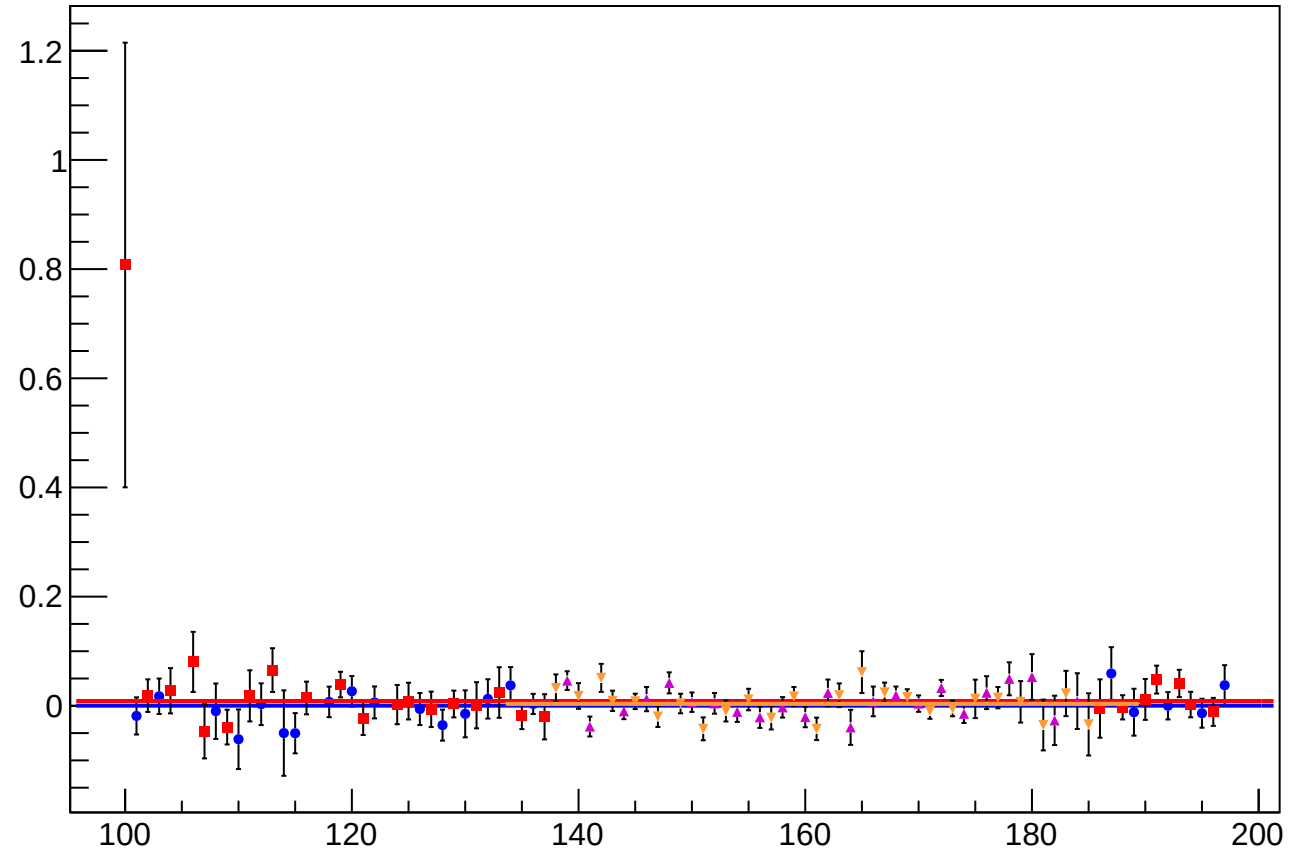
Right Out: 20.310+/-0.004 χ^2/NDF: 1187888.4/25

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.151+/-0.003 χ^2/NDF: 4567058.7/45

All: 18.069+/-0.002 χ^2/NDF: 8099991.8/94

- sign 17.989+/-0.002 χ^2/NDF: 3530790.5/48



Right In: 0.000+/-0.007 χ^2/NDF: 11.2/20

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

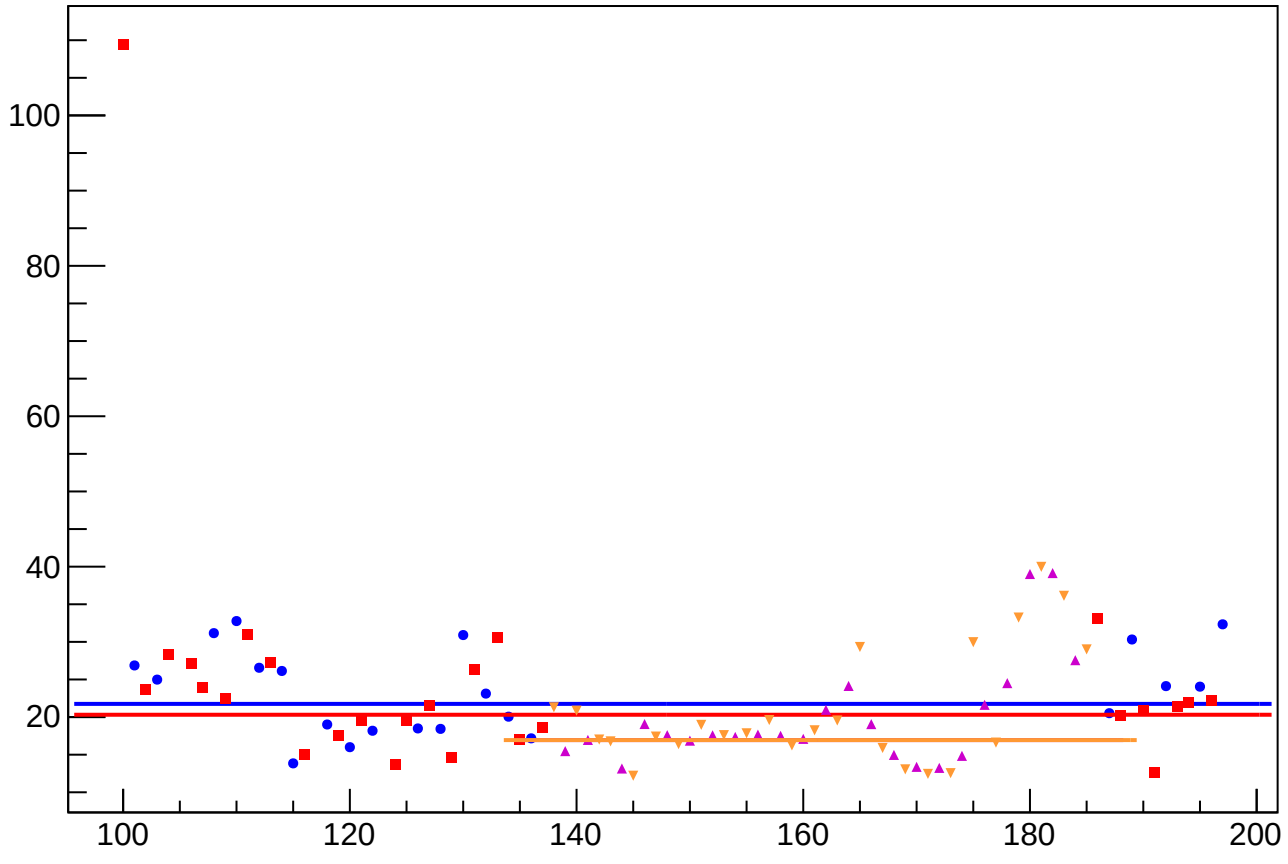
Right Out: 0.009+/-0.006 χ^2/NDF: 21.4/25

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 38.3/45

All: 0.005+/-0.002 χ^2/NDF: 93.7/94

- sign 0.007+/-0.003 χ^2/NDF: 54.8/48



Right In: 21.754+/-0.005 χ^2/NDF: 1032297.8/20

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

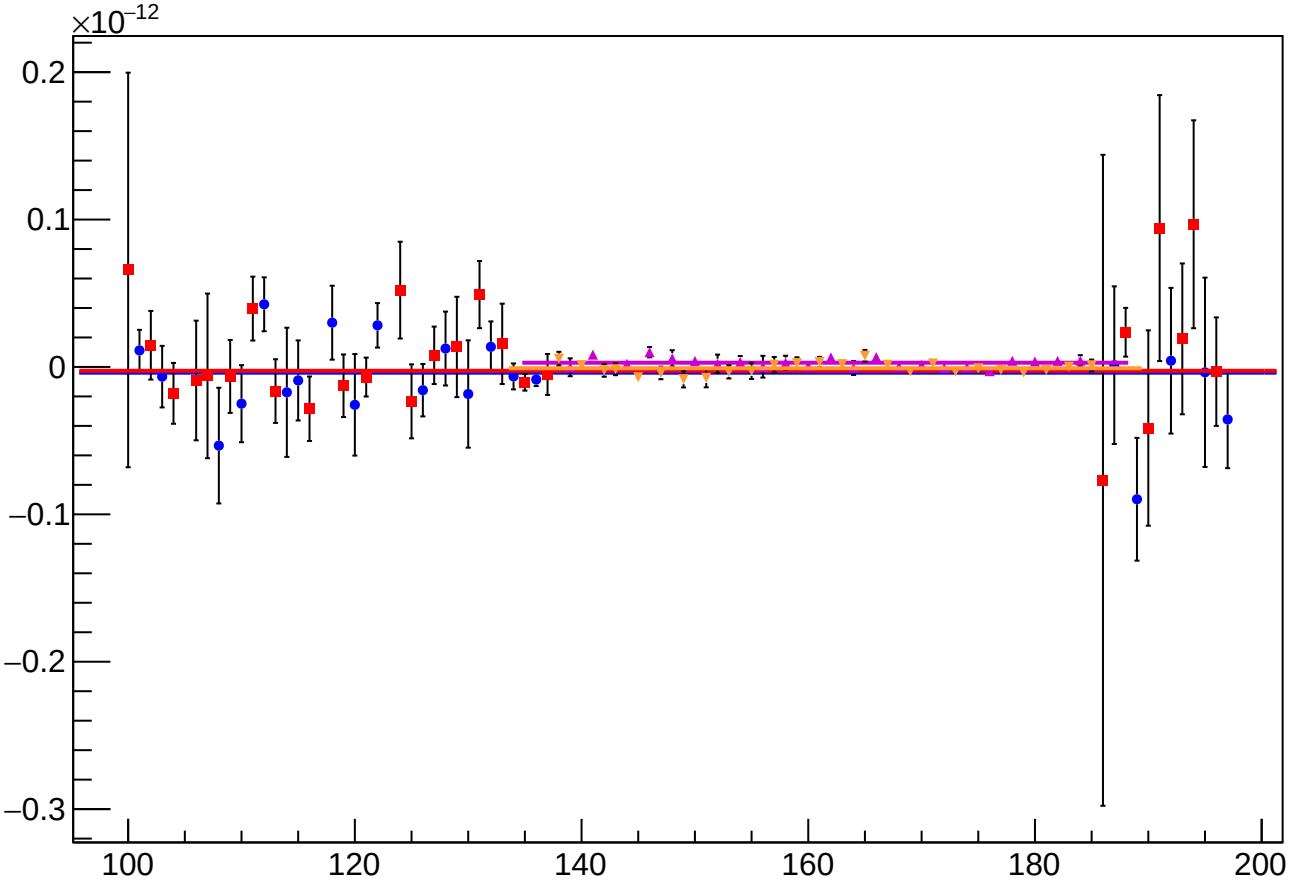
Right Out: 20.310+/-0.004 χ^2/NDF: 1187888.4/25

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.151+/-0.003 χ^2/NDF: 4567058.7/45

All: 18.069+/-0.002 χ^2/NDF: 8099991.8/94

- sign 17.989+/-0.002 χ^2/NDF: 3530790.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 25.2/20

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

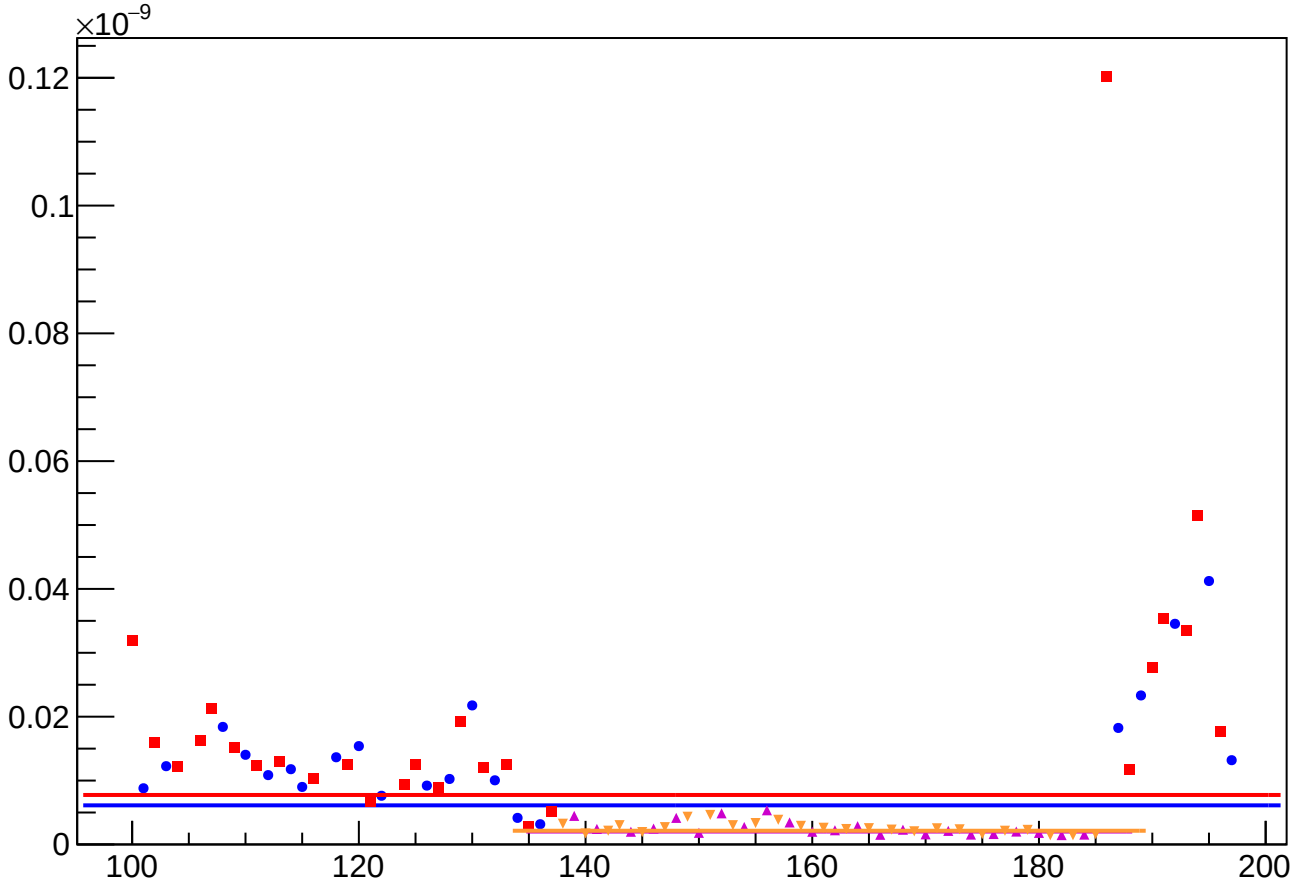
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/25

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/45

All: 0.000+/-0.000 χ^2/NDF: 117.5/94

- sign 0.000+/-0.000 χ^2/NDF: 50.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 4535090.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5608666.7/25

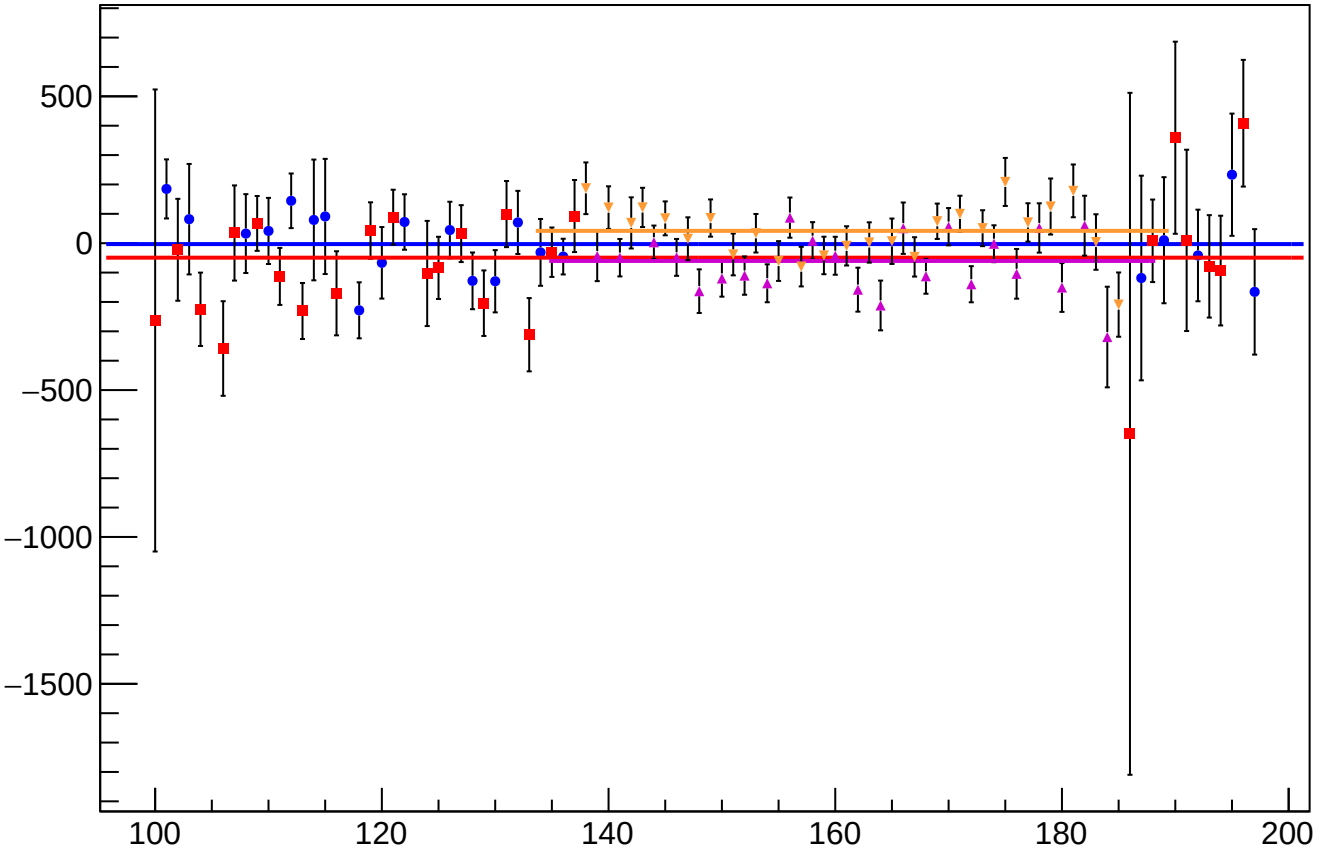
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9663799.6/45

All: 0.000+/-0.000 χ^2/NDF: 22285164.6/94

- sign 0.000+/-0.000 χ^2/NDF: 12588699.4/48

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -3.019+/-25.226 χ^2/NDF: 19.7/20

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -49.252+/-25.070 χ^2/NDF: 32.5/25

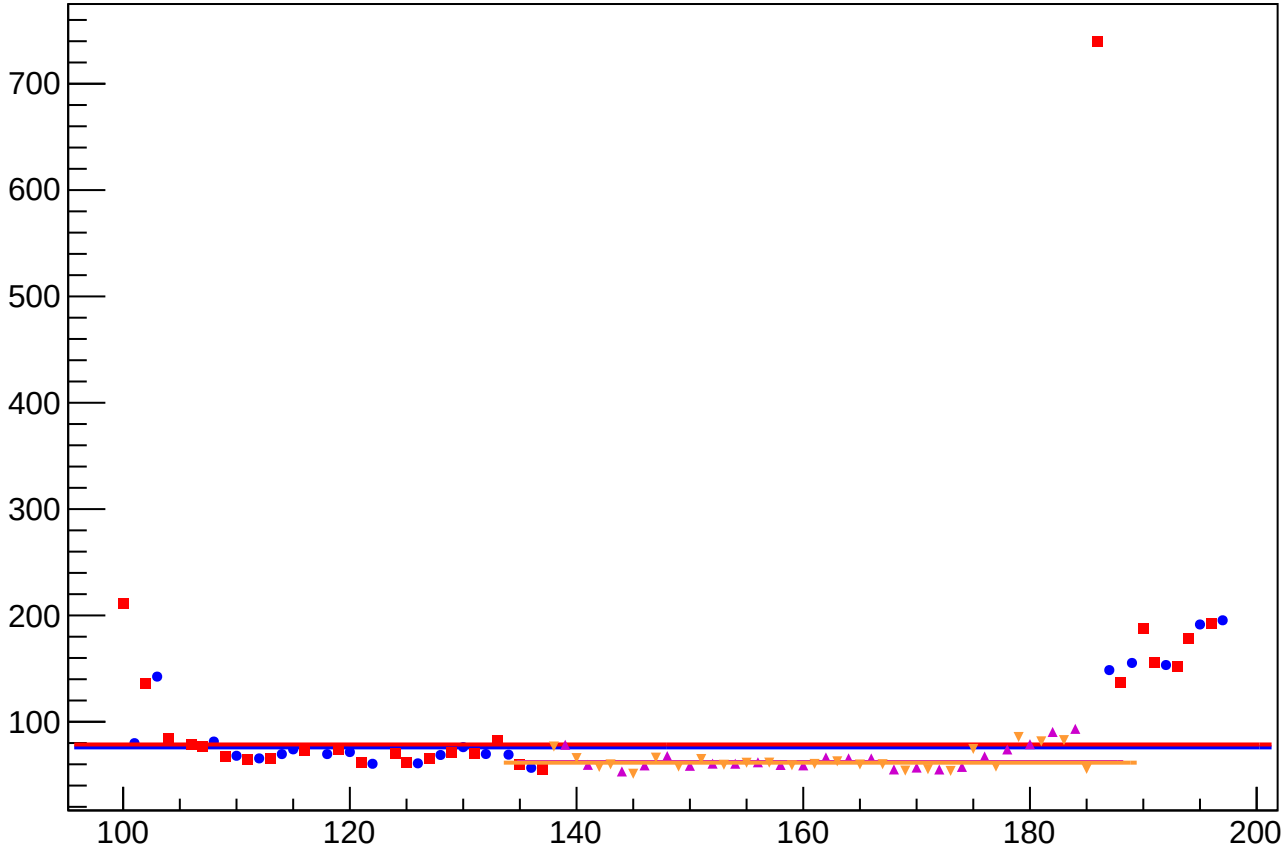
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.198+/-12.362 χ^2/NDF: 54.2/45

All: -12.003+/-8.855 χ^2/NDF: 144.1/94

- sign -57.526+/-12.690 χ^2/NDF: 64.8/48

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 75.919+/-0.018 χ^2/NDF: 2729986.4/20

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

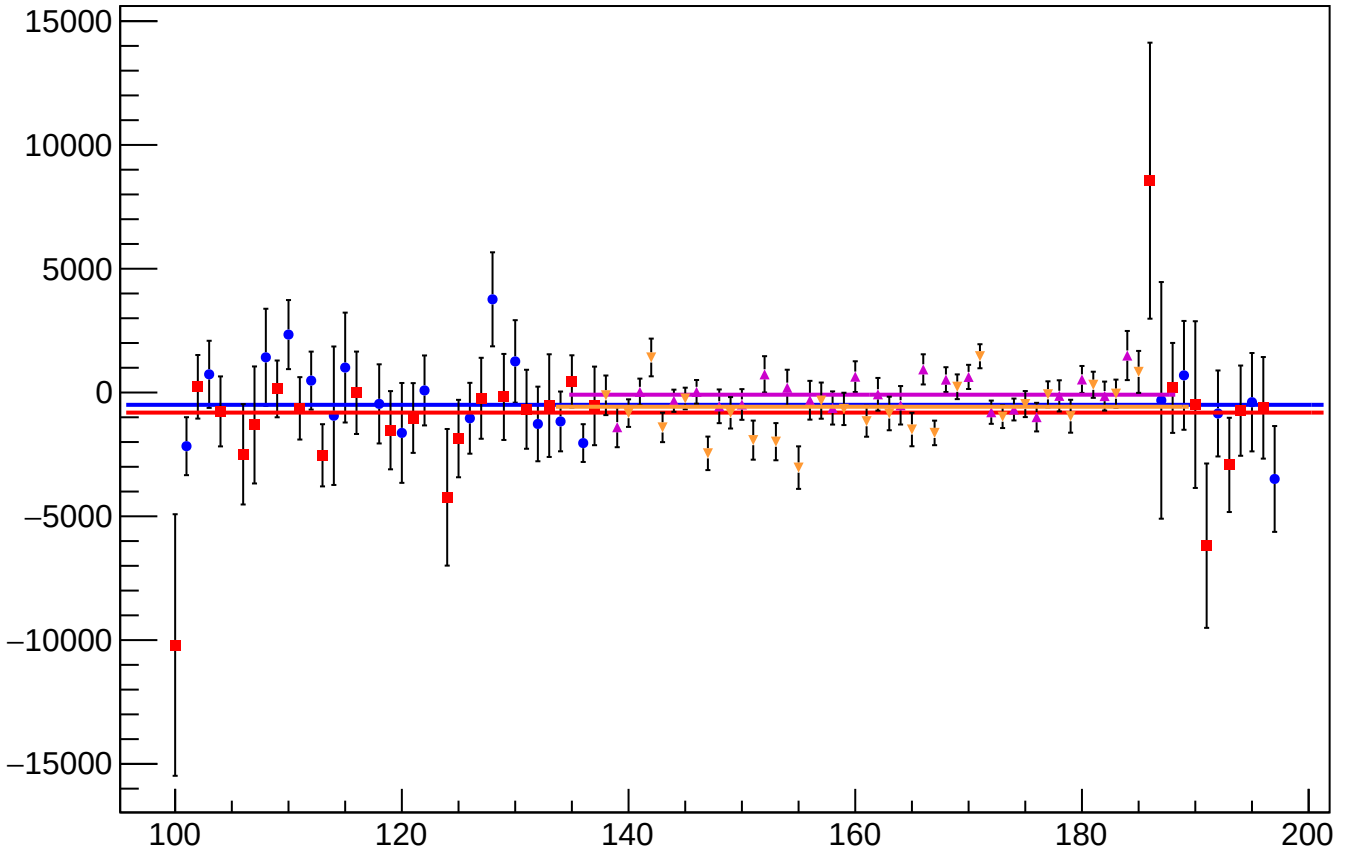
Right Out: 78.653+/-0.018 χ^2/NDF: 3570519.4/25

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.996+/-0.009 χ^2/NDF: 3861319.2/45

All: 65.667+/-0.006 χ^2/NDF: 8685720.8/94

- sign 66.374+/-0.009 χ^2/NDF: 4812302.0/48



Right In: -497.057+/-328.437 χ^2/NDF: 22.9/20

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: -811.346+/-327.010 χ^2/NDF: 18.3/25

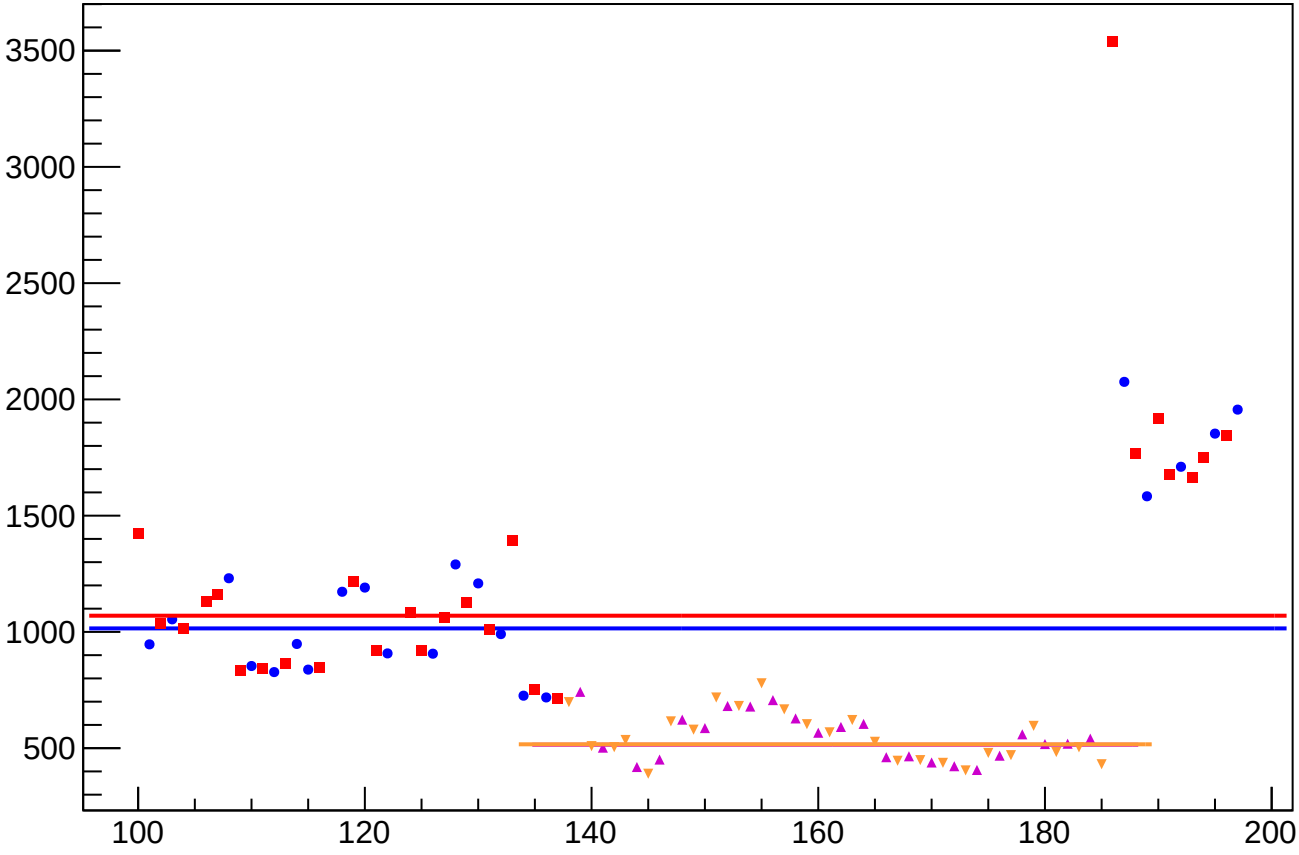
Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -565.695+/-112.494 χ^2/NDF: 91.7/45

All: -375.283+/-80.317 χ^2/NDF: 144.8/94

- sign -177.299+/-114.709 χ^2/NDF: 47.2/48

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 1015.095+/-0.232 χ^2/NDF: 1965709.2/20

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1069.722+/-0.231 χ^2/NDF: 2294599.9/25

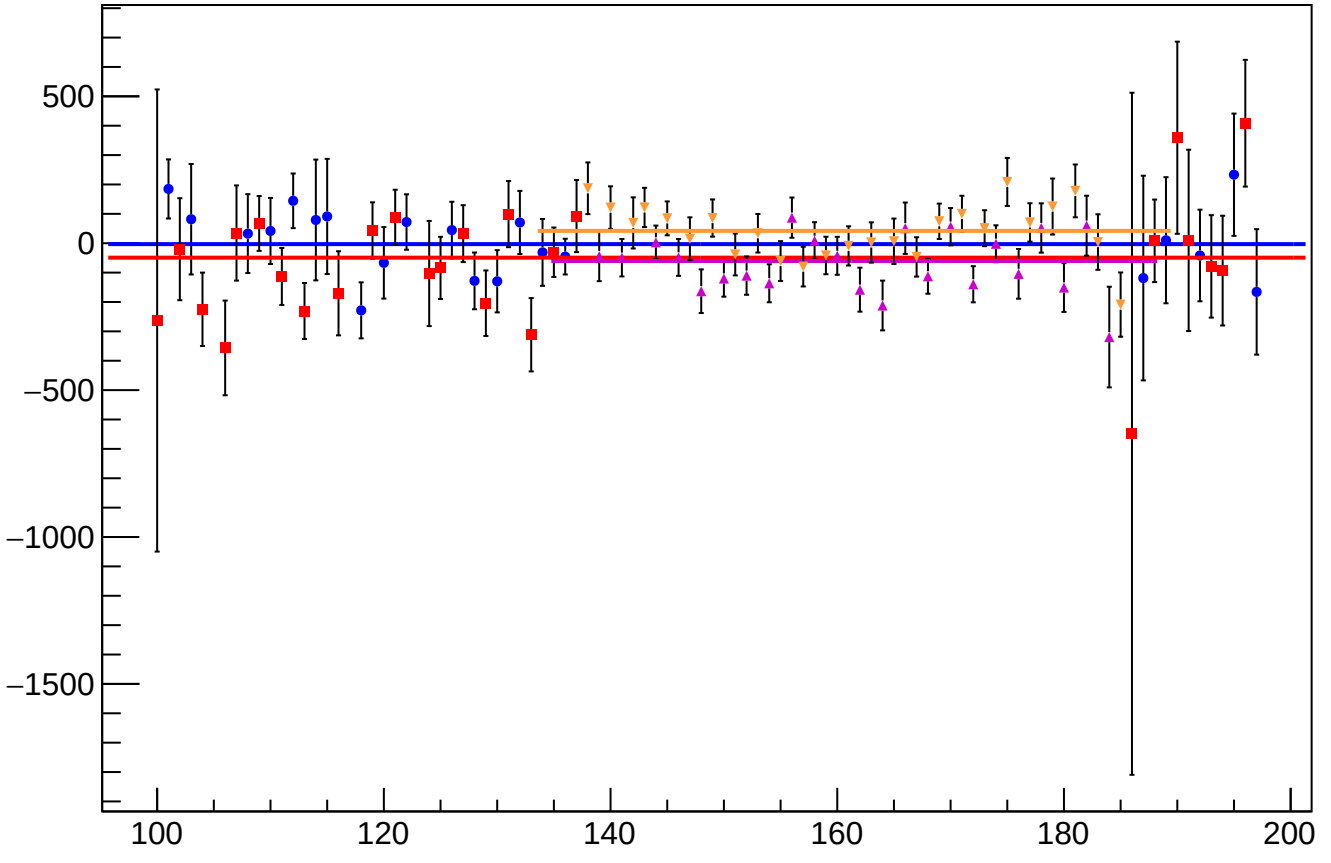
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

\+ sign 575.112+/-0.080 χ^2/NDF: 7297111.4/45

All: 579.011+/-0.057 χ^2/NDF: 15768070.1/94

\- sign 583.065+/-0.081 χ^2/NDF: 8466058.1/48

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.026+/-25.226 χ^2/NDF: 19.7/20

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -49.139+/-25.071 χ^2/NDF: 32.4/25

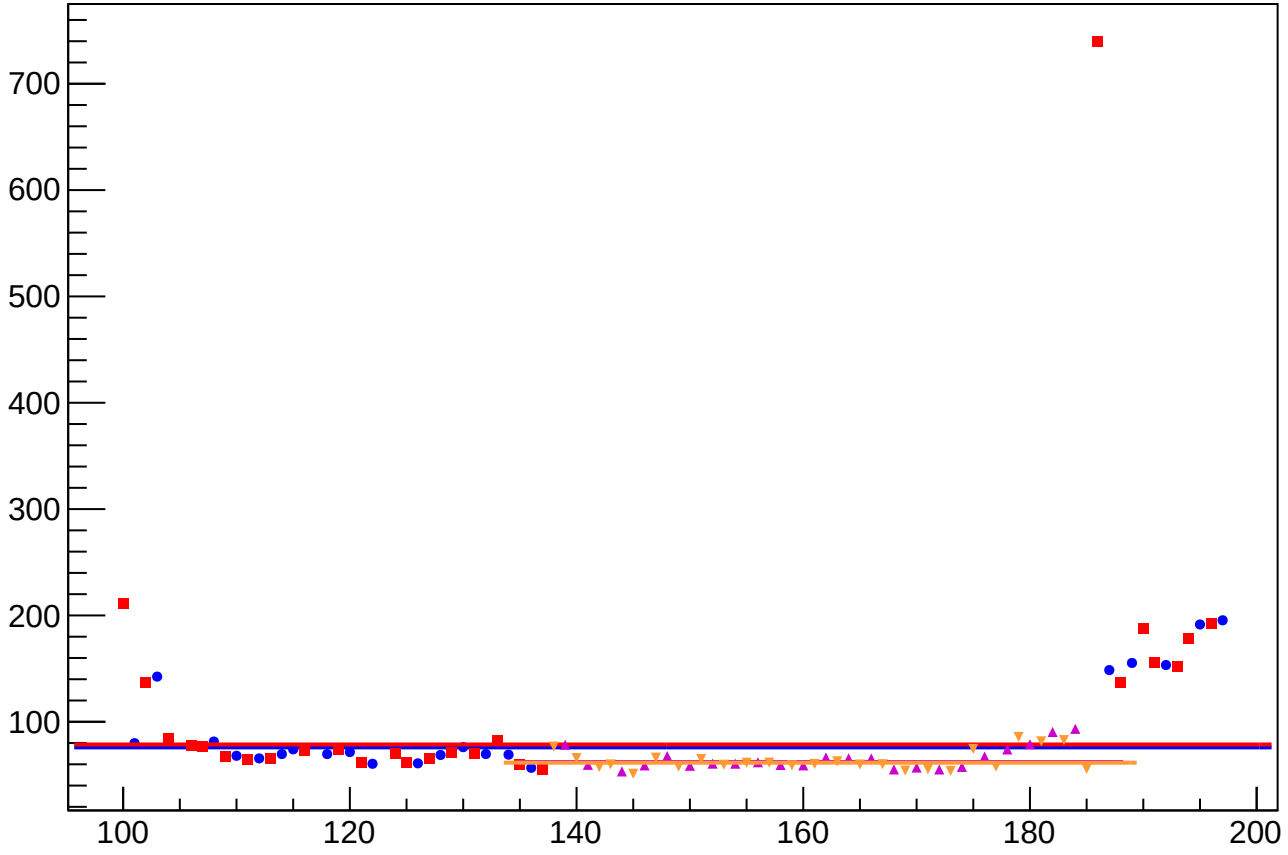
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.201+/-12.362 χ^2/NDF: 54.2/45

All: -11.987+/-8.855 χ^2/NDF: 144.0/94

- sign -57.497+/-12.690 χ^2/NDF: 64.8/48

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 75.919+/-0.018 χ^2/NDF: 2729989.5/20

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

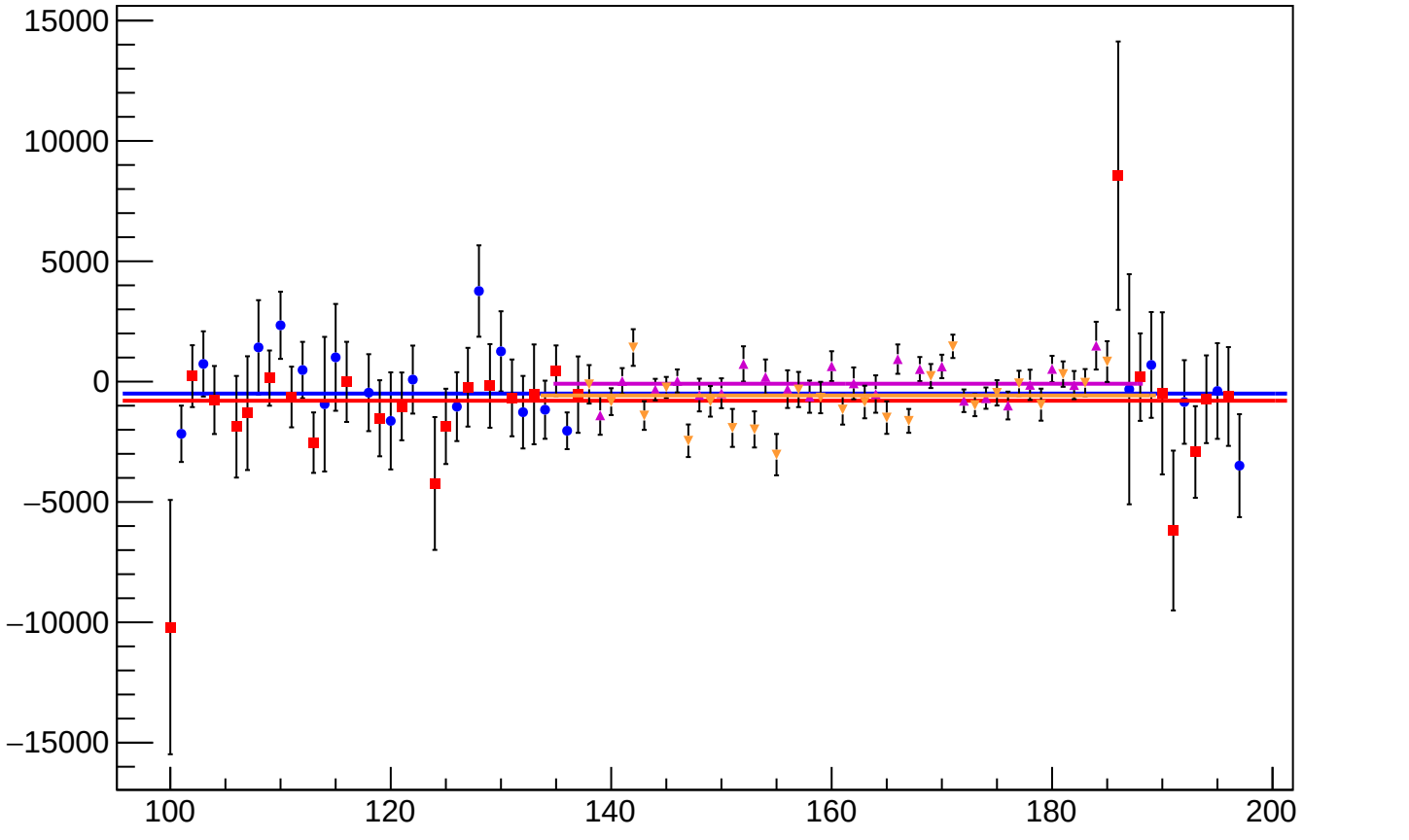
Right Out: 78.636+/-0.018 χ^2/NDF: 3570885.2/25

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.996+/-0.009 χ^2/NDF: 3861322.3/45

All: 65.665+/-0.006 χ^2/NDF: 8684668.8/94

- sign 66.369+/-0.009 χ^2/NDF: 4811326.3/48



Right In: -497.032+/-328.438 χ^2/NDF: 22.9/20

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

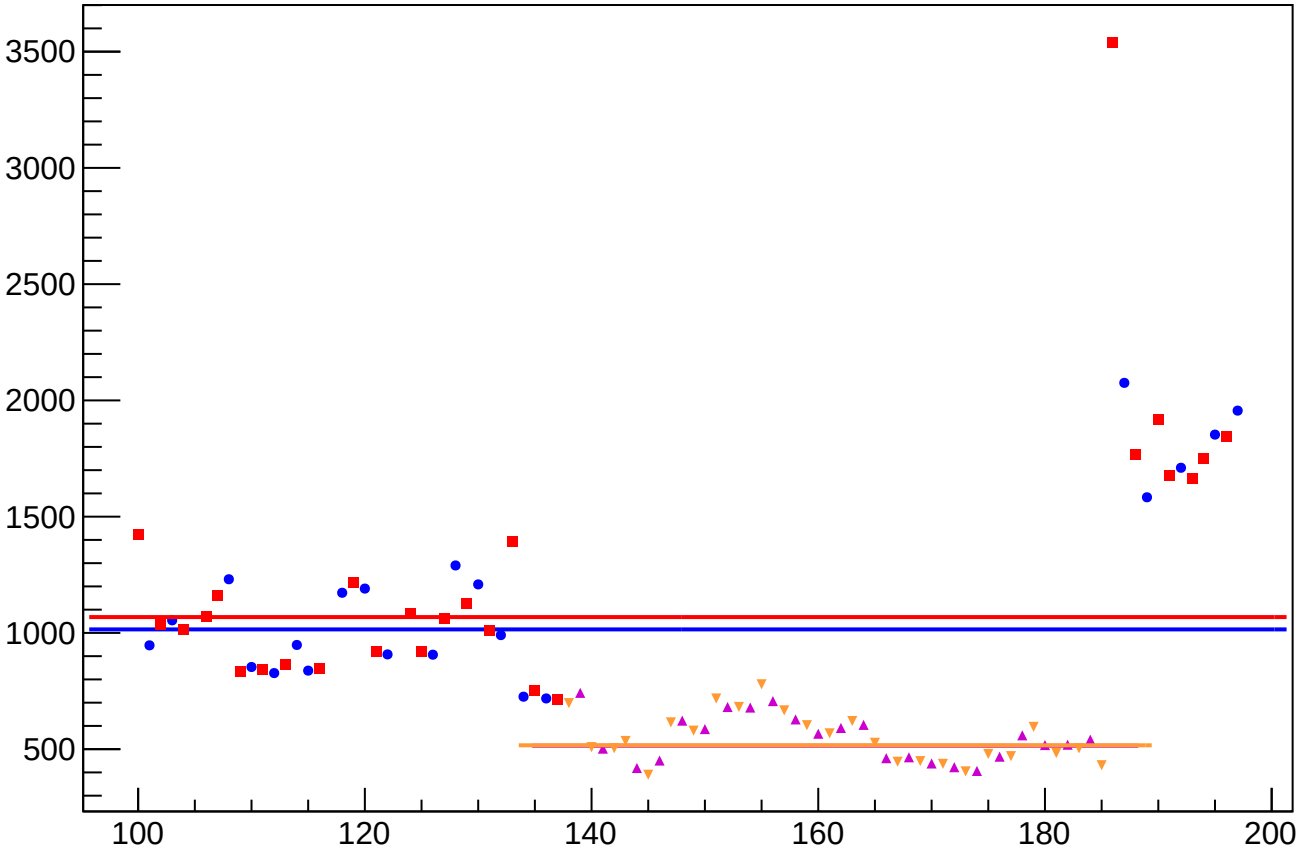
Right Out: -793.474+/-327.356 χ^2/NDF: 17.9/25

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -565.686+/-112.494 χ^2/NDF: 91.7/45

All: -374.147+/-80.322 χ^2/NDF: 144.2/94

- sign -174.938+/-114.724 χ^2/NDF: 46.6/48



Right In: 1015.099+/-0.232 χ^2/NDF: 1965718.3/20

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1068.142+/-0.231 χ^2/NDF: 2292595.7/25

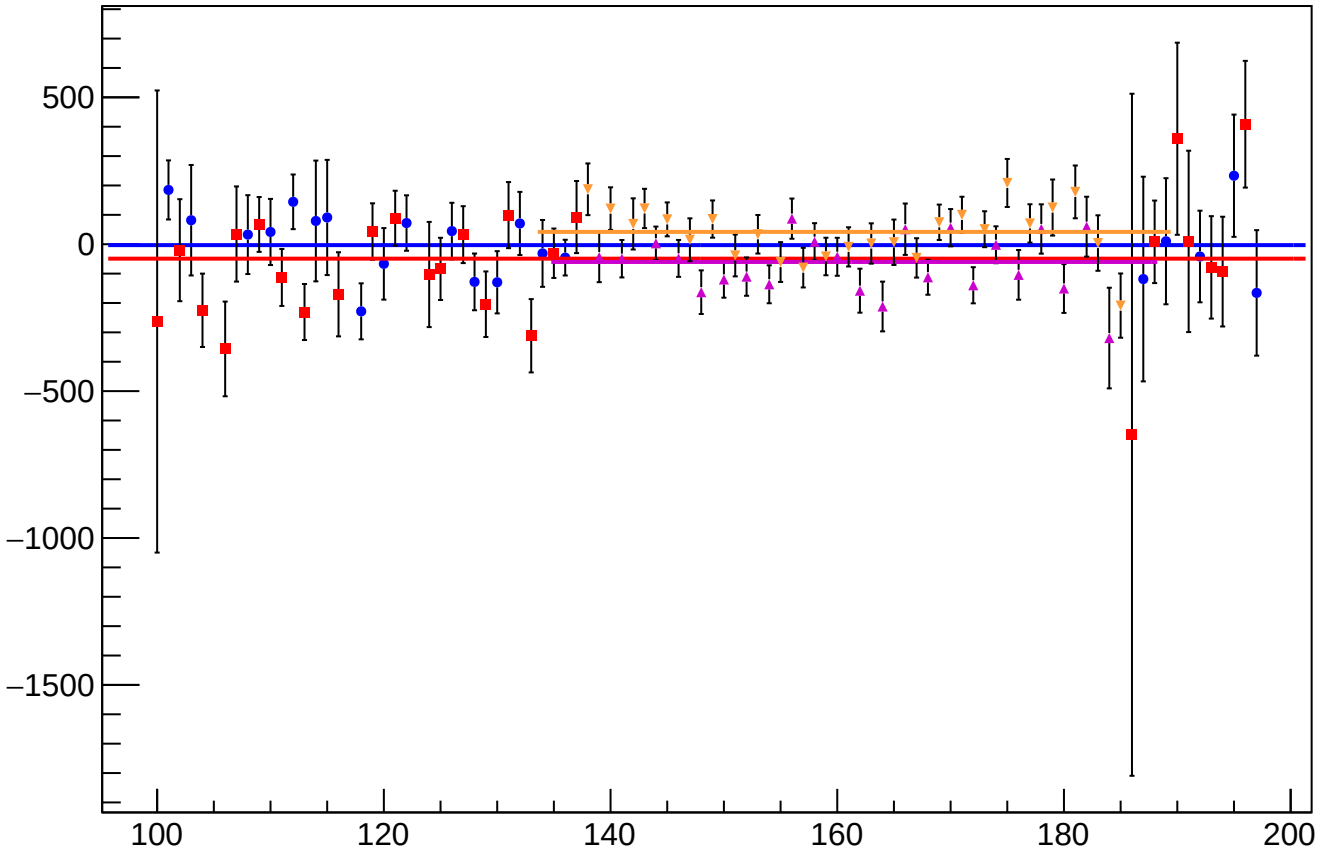
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 575.112+/-0.080 χ^2/NDF: 7297161.8/45

All: 578.853+/-0.057 χ^2/NDF: 15727683.4/94

- sign 582.745+/-0.081 χ^2/NDF: 8426008.6/48

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.026+/-25.226 χ^2/NDF: 19.7/20

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -49.139+/-25.071 χ^2/NDF: 32.4/25

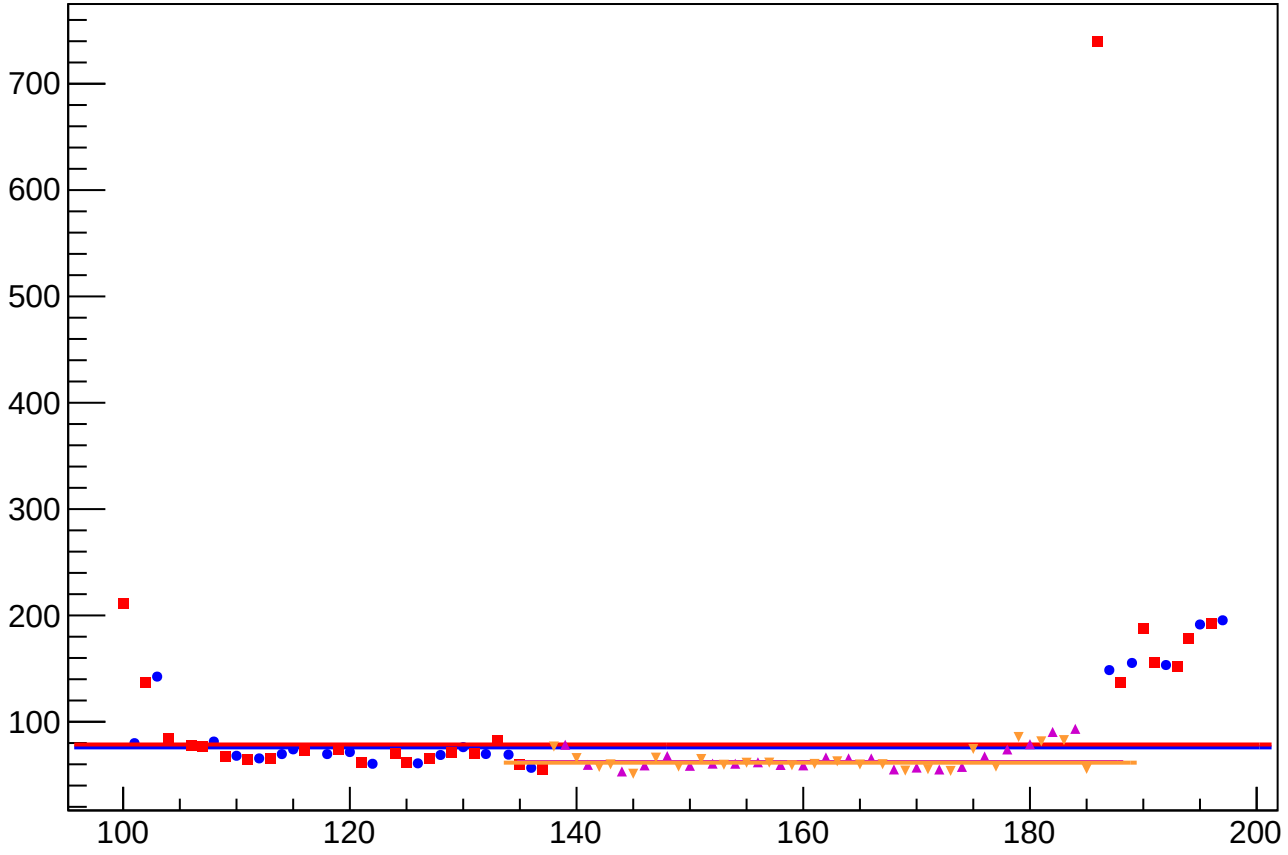
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.201+/-12.362 χ^2/NDF: 54.2/45

All: -11.987+/-8.855 χ^2/NDF: 144.0/94

- sign -57.497+/-12.690 χ^2/NDF: 64.8/48

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 75.919+/-0.018 χ^2/NDF: 2729989.5/20

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

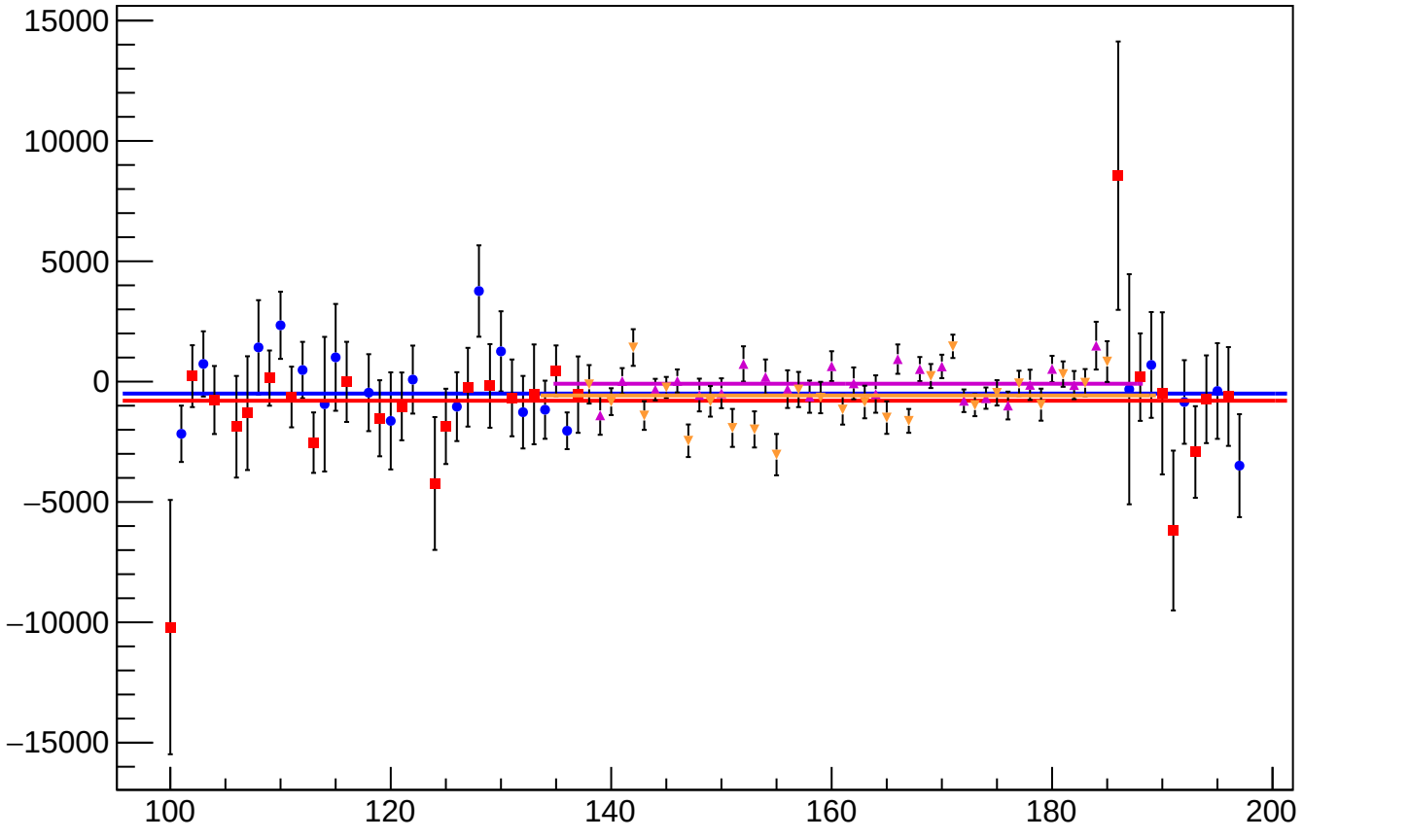
Right Out: 78.636+/-0.018 χ^2/NDF: 3570885.2/25

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.996+/-0.009 χ^2/NDF: 3861322.3/45

All: 65.665+/-0.006 χ^2/NDF: 8684668.8/94

- sign 66.369+/-0.009 χ^2/NDF: 4811326.3/48



Right In: -497.032+/-328.438 χ^2/NDF: 22.9/20

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

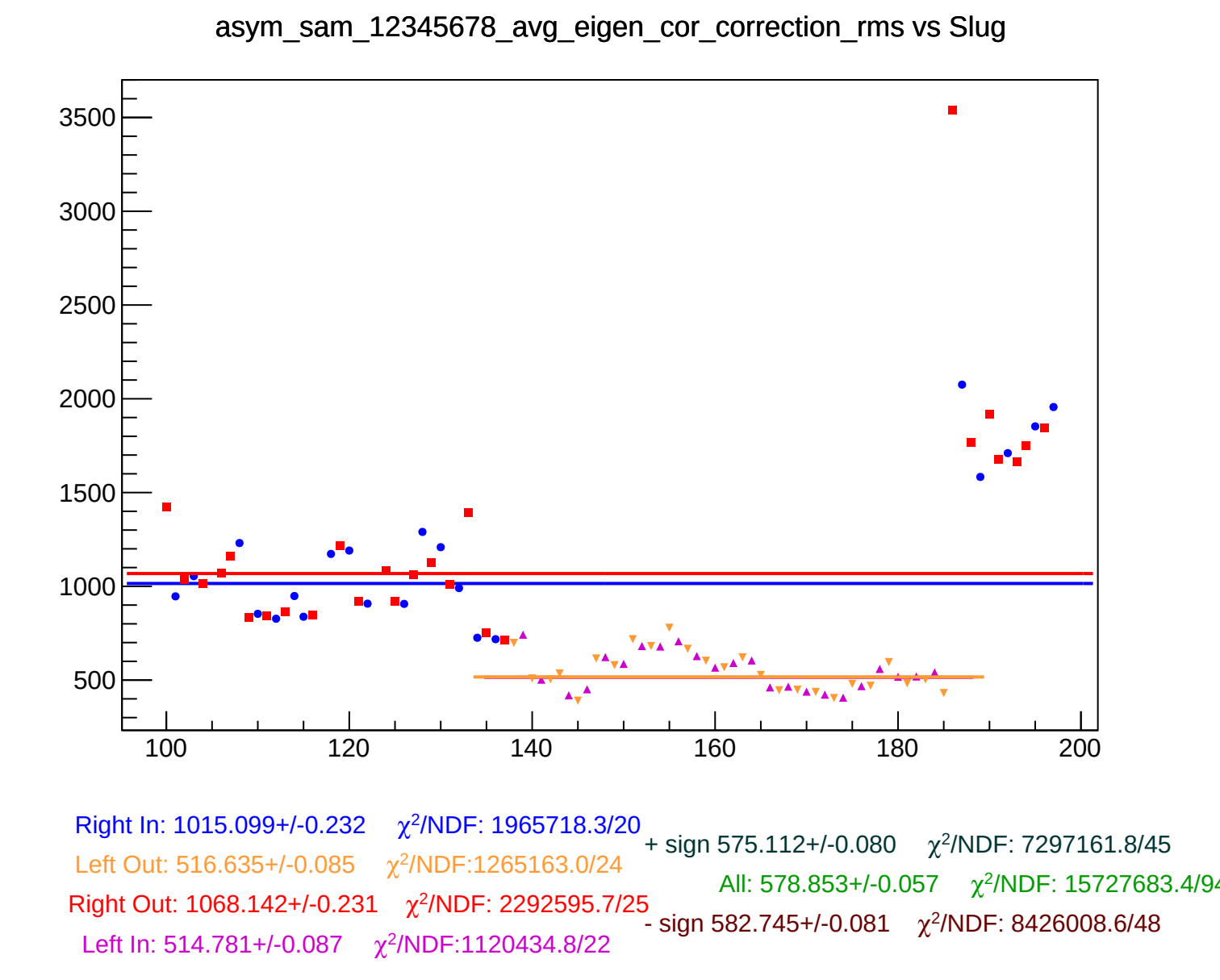
Right Out: -793.474+/-327.356 χ^2/NDF: 17.9/25

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

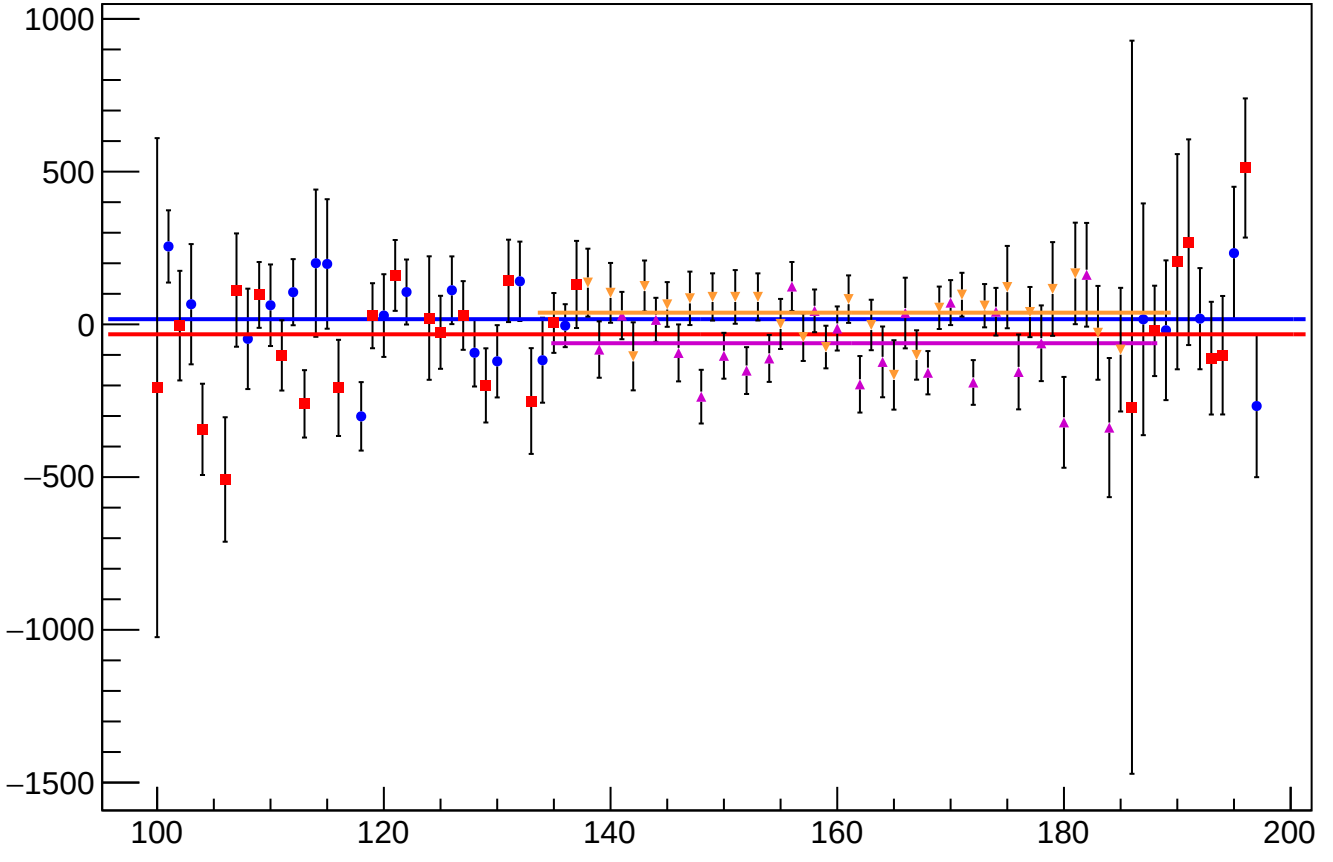
+ sign -565.686+/-112.494 χ^2/NDF: 91.7/45

All: -374.147+/-80.322 χ^2/NDF: 144.2/94

- sign -174.938+/-114.724 χ^2/NDF: 46.6/48


asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1015.099+/-0.232 χ²/NDF: 1965718.3/20
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1068.142+/-0.231 χ²/NDF: 2292595.7/25
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 575.112+/-0.080 χ²/NDF: 7297161.8/45
All: 578.853+/-0.057 χ²/NDF: 15727683.4/94
- sign 582.745+/-0.081 χ²/NDF: 8426008.6/48

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 16.983+/-29.012 χ^2/NDF: 22.6/20

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -32.497+/-28.879 χ^2/NDF: 35.2/25

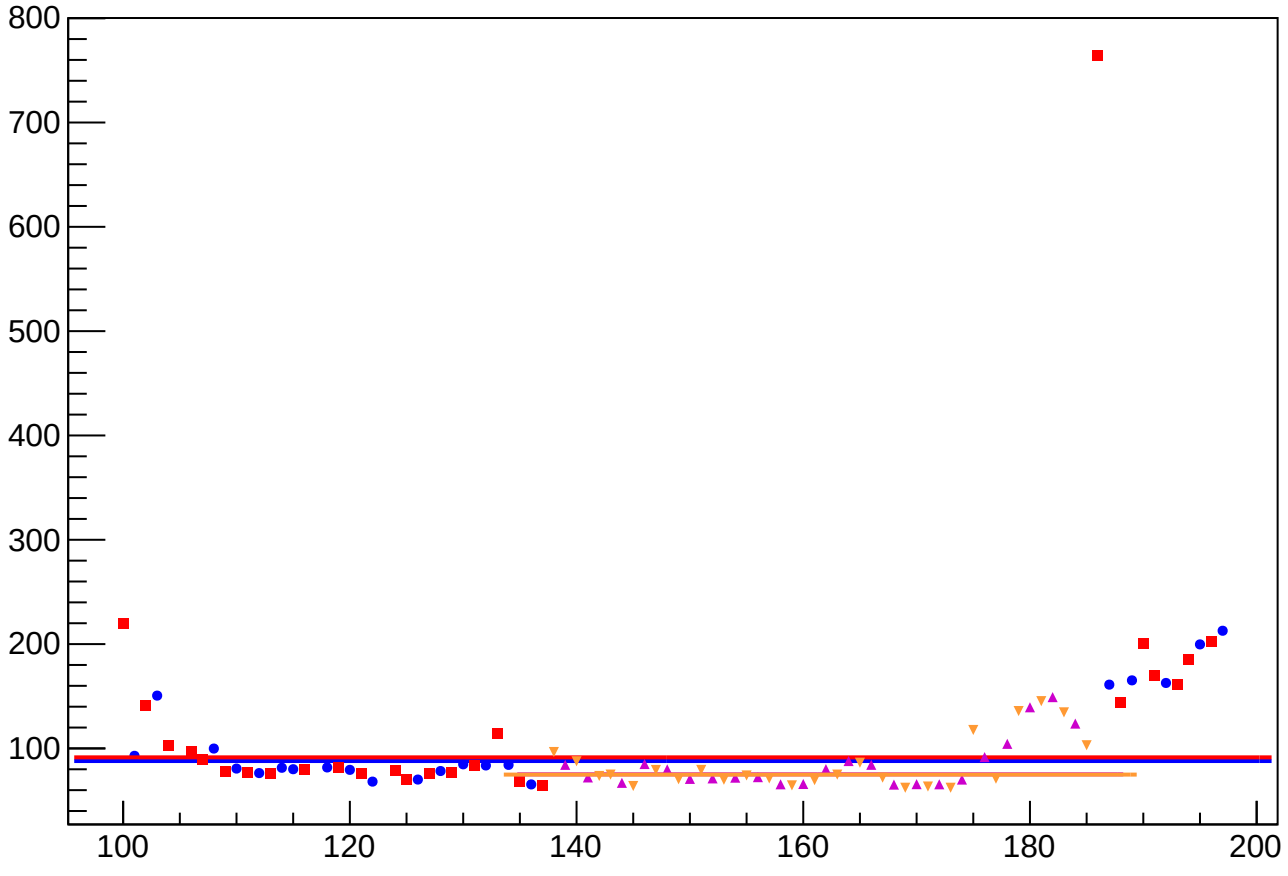
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.519+/-15.091 χ^2/NDF: 41.8/45

All: -9.602+/-10.776 χ^2/NDF: 130.4/94

- sign -53.421+/-15.392 χ^2/NDF: 72.6/48

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 87.908+/-0.021 χ^2/NDF: 2423867.2/20

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

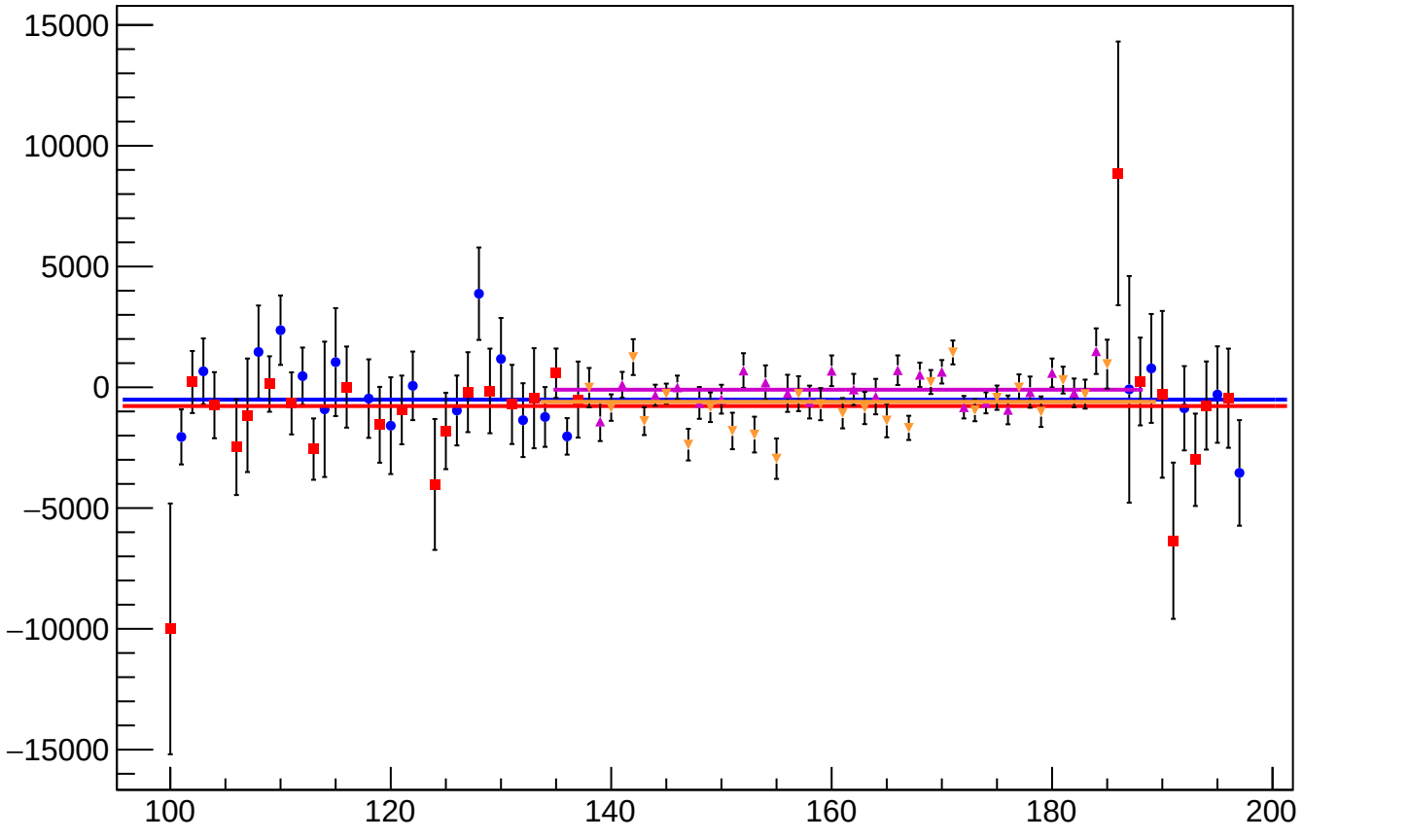
Right Out: 91.438+/-0.020 χ^2/NDF: 3154750.7/25

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 78.422+/-0.011 χ^2/NDF: 4378588.5/45

All: 79.088+/-0.008 χ^2/NDF: 9309000.7/94

- sign 79.781+/-0.011 χ^2/NDF: 4922457.7/48



Right In: -510.290+/-329.857 χ^2/NDF: 22.6/20

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -776.664+/-326.661 χ^2/NDF: 19.3/25

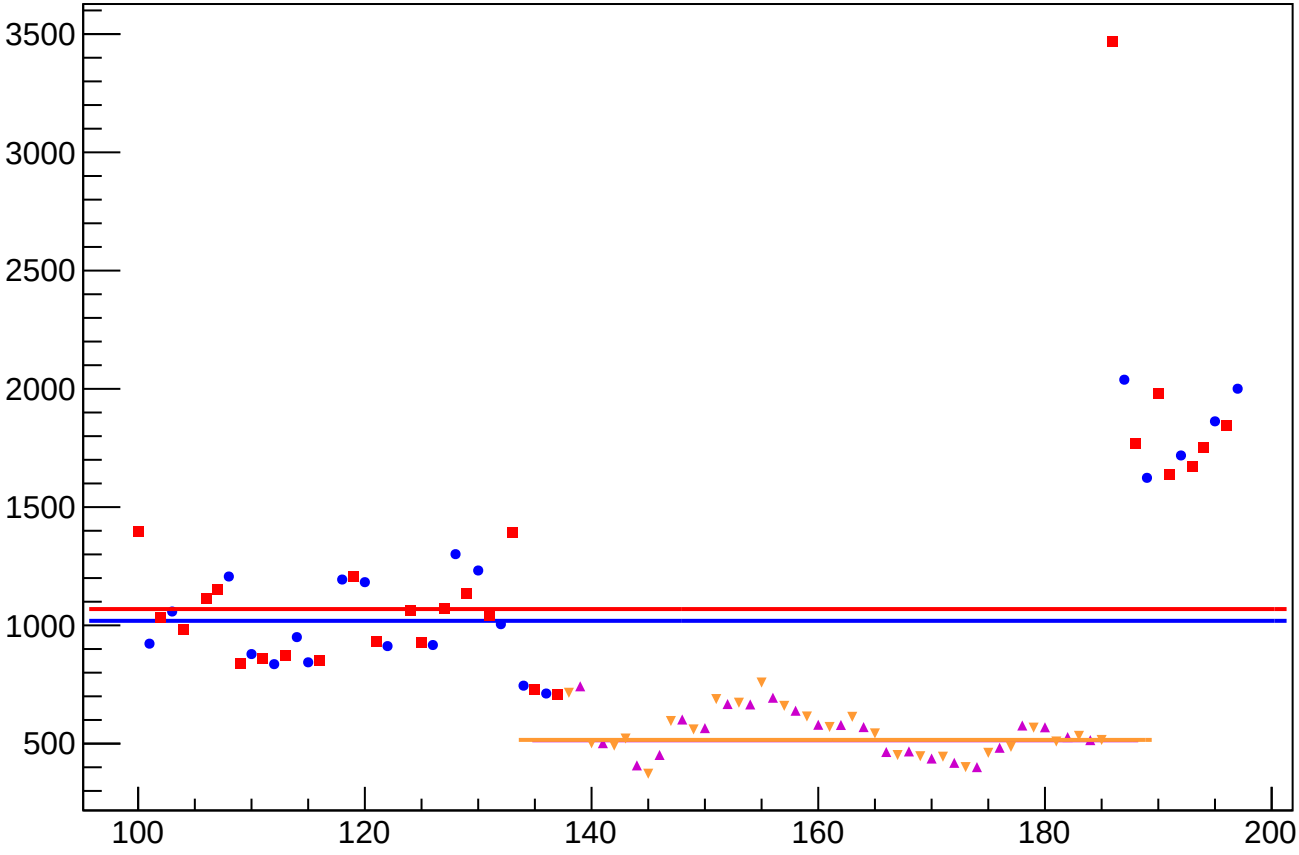
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -588.581+/-112.208 χ^2/NDF: 87.7/45

All: -389.682+/-80.156 χ^2/NDF: 141.0/94

- sign -182.413+/-114.544 χ^2/NDF: 46.8/48

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1019.156+/-0.233 χ^2/NDF: 1996802.6/20

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1068.946+/-0.231 χ^2/NDF: 2316776.7/25

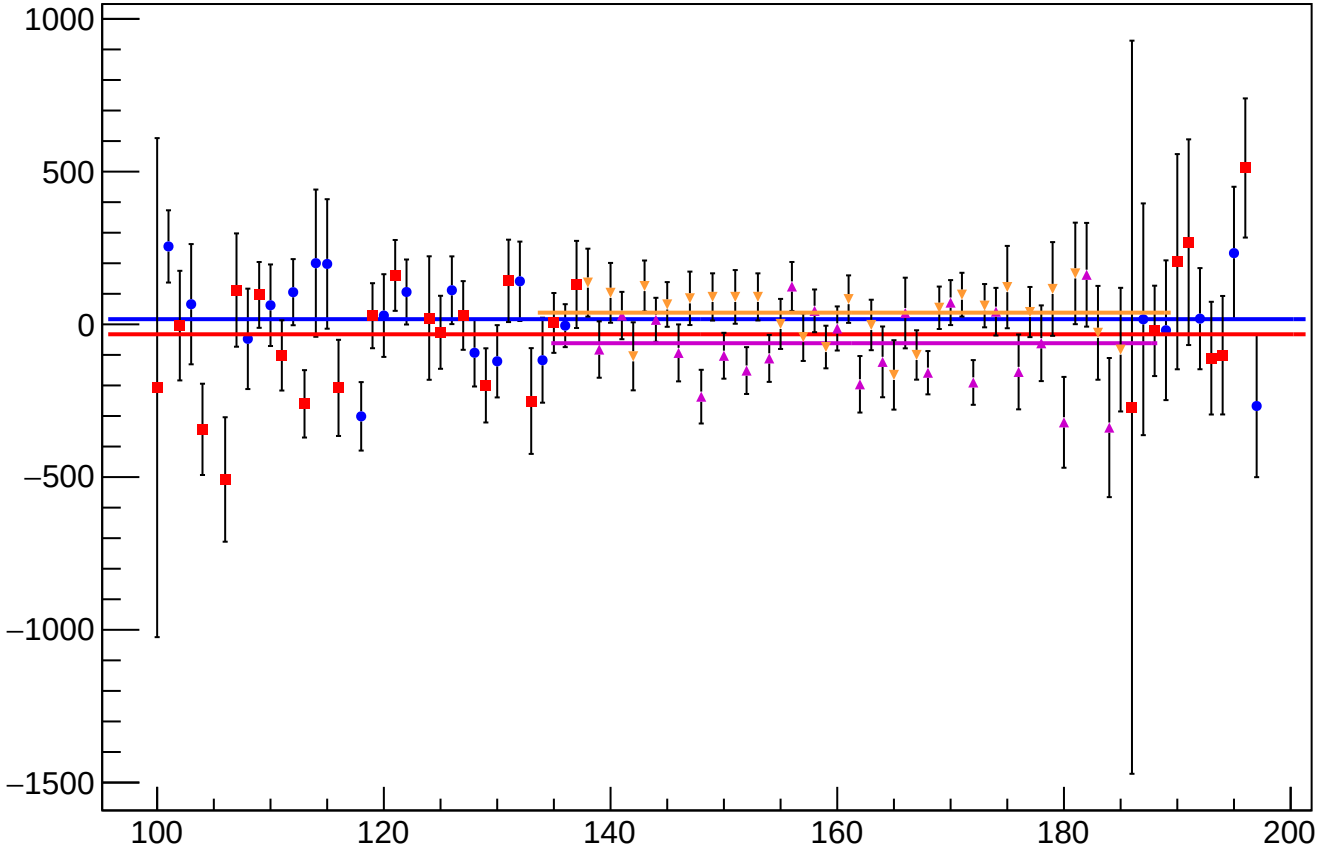
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 574.013+/-0.079 χ^2/NDF: 7348233.9/45

All: 578.076+/-0.057 χ^2/NDF: 15848055.3/94

- sign 582.311+/-0.081 χ^2/NDF: 8494464.1/48

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 16.983+/-29.012 χ^2/NDF: 22.6/20

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -32.496+/-28.879 χ^2/NDF: 35.2/25

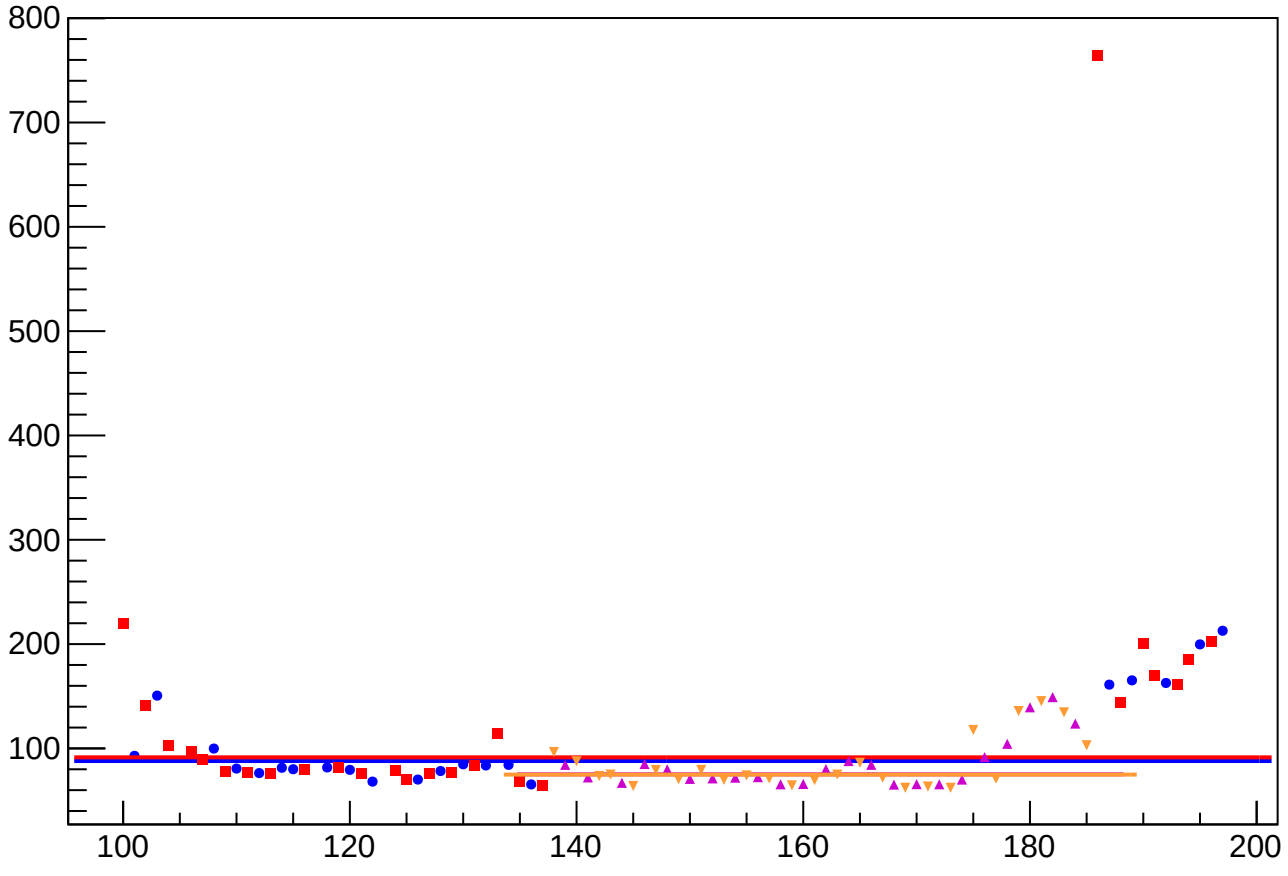
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.519+/-15.091 χ^2/NDF: 41.8/45

All: -9.601+/-10.776 χ^2/NDF: 130.4/94

- sign -53.420+/-15.392 χ^2/NDF: 72.6/48

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 87.908+/-0.021 χ^2/NDF: 2423870.4/20

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

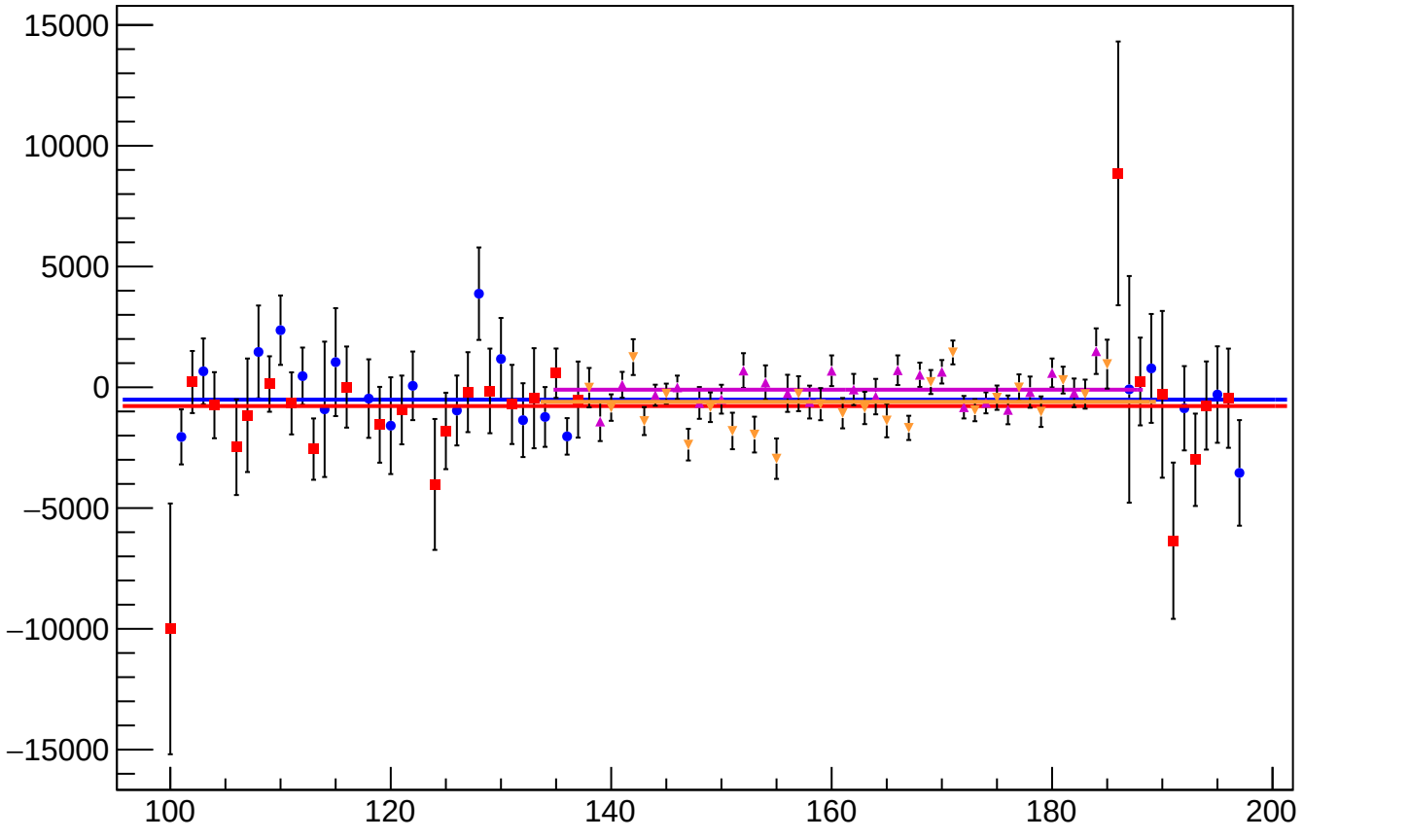
Right Out: 91.438+/-0.020 χ^2/NDF: 3154768.5/25

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 78.422+/-0.011 χ^2/NDF: 4378568.9/45

All: 79.088+/-0.008 χ^2/NDF: 9308959.1/94

- sign 79.781+/-0.011 χ^2/NDF: 4922435.3/48



Right In: -510.287+/-329.856 χ^2/NDF: 22.6/20

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

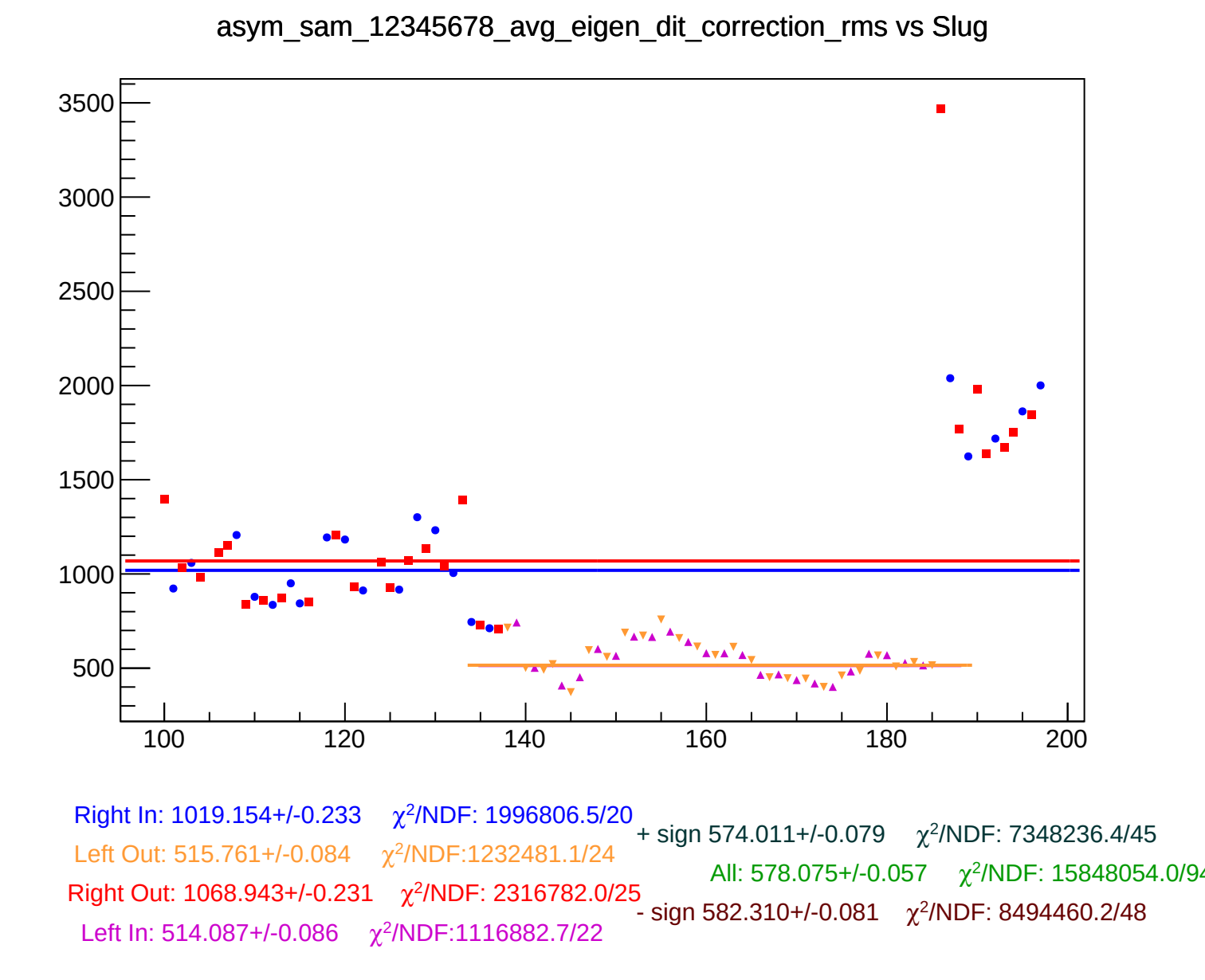
Right Out: -776.663+/-326.661 χ^2/NDF: 19.3/25

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

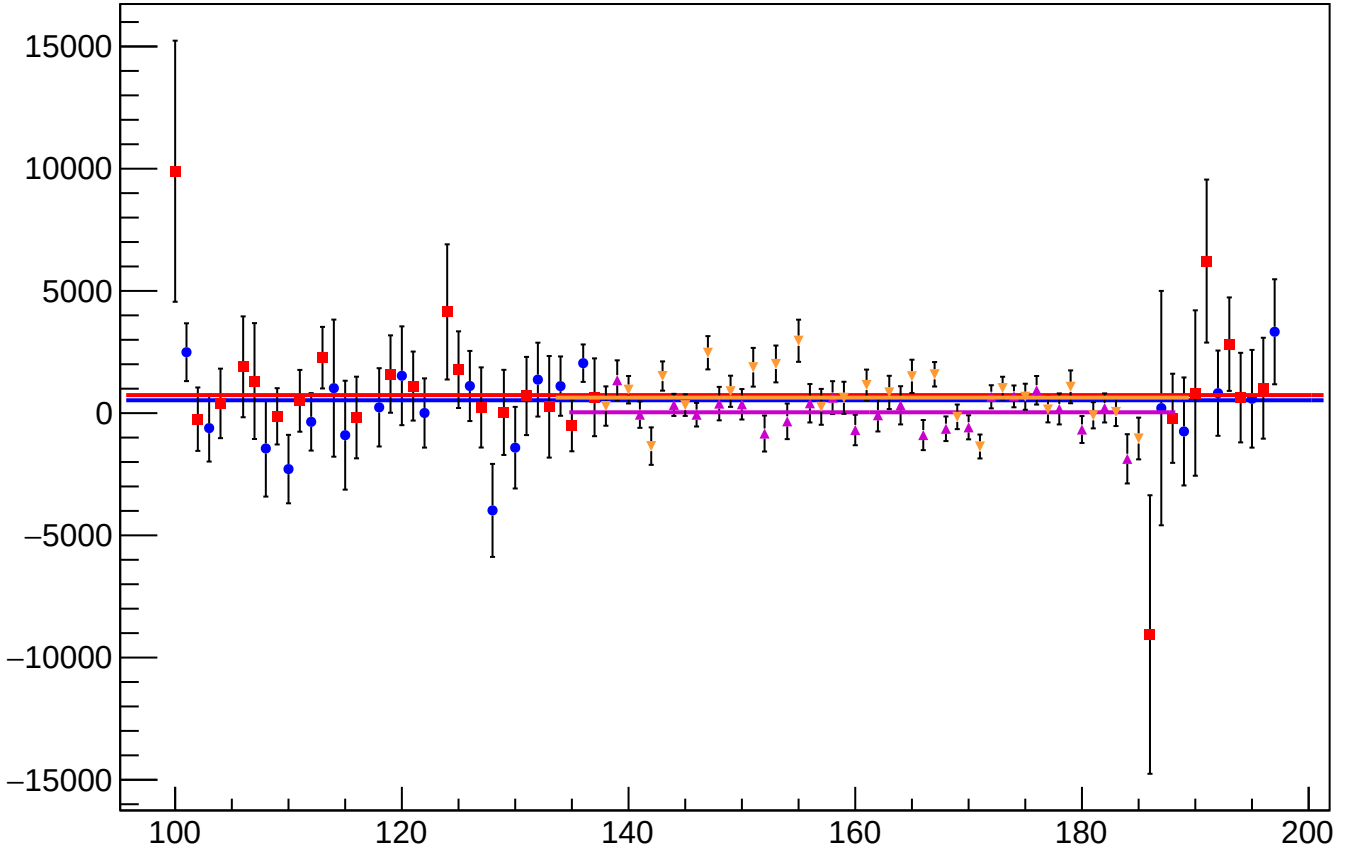
+ sign -588.580+/-112.208 χ^2/NDF: 87.7/45

All: -389.681+/-80.156 χ^2/NDF: 141.0/94

- sign -182.412+/-114.544 χ^2/NDF: 46.8/48


asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1019.154+/-0.233 χ²/NDF: 1996806.5/20
Left Out: 515.761+/-0.084 χ²/NDF:1232481.1/24
Right Out: 1068.943+/-0.231 χ²/NDF: 2316782.0/25
Left In: 514.087+/-0.086 χ²/NDF:1116882.7/22
+ sign 574.011+/-0.079 χ²/NDF: 7348236.4/45
All: 578.075+/-0.057 χ²/NDF: 15848054.0/94
- sign 582.310+/-0.081 χ²/NDF: 8494460.2/48

asym_sam_12345678_avg_mean vs Slug



Right In: 526.317+/-329.868 χ^2/NDF: 23.6/20

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 737.788+/-328.409 χ^2/NDF: 17.5/25

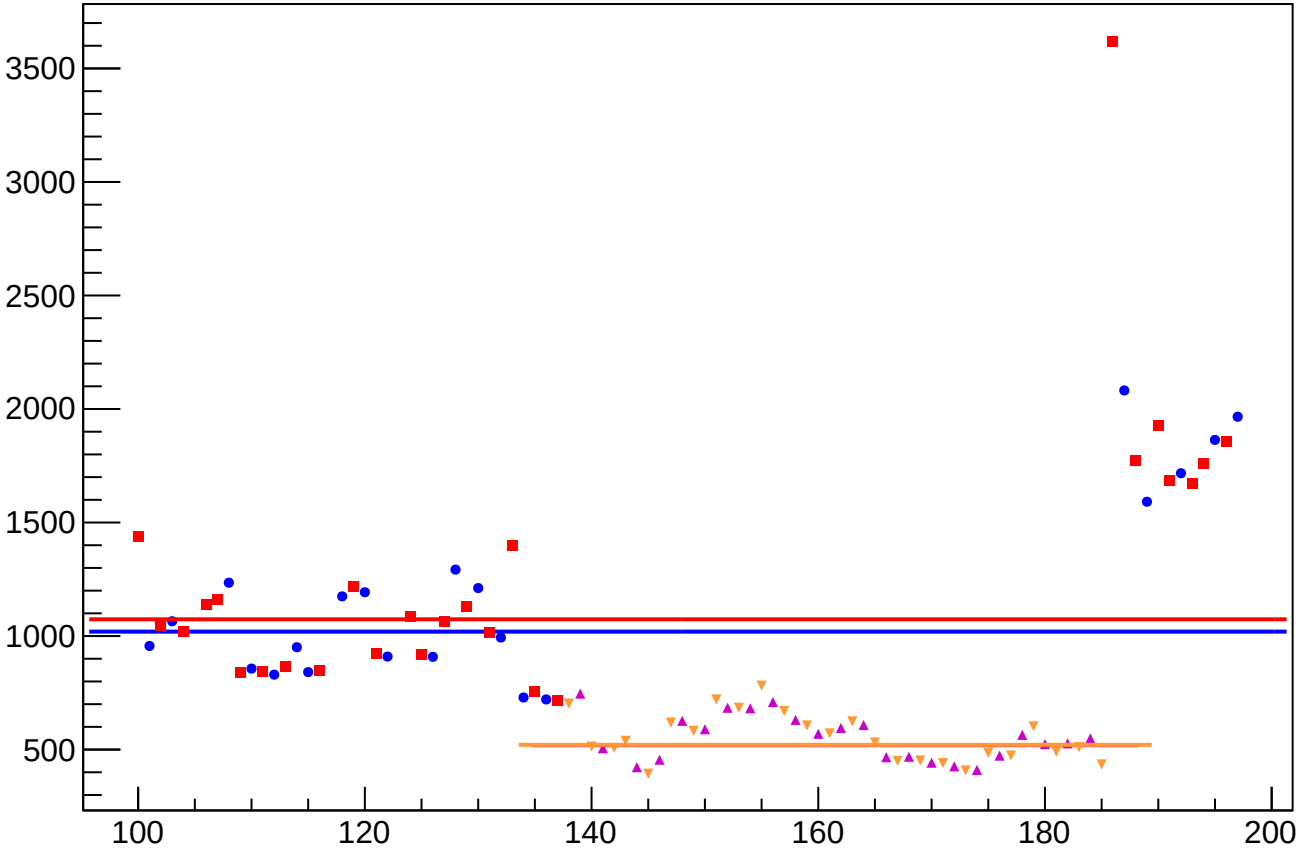
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 621.973+/-113.364 χ^2/NDF: 88.2/45

All: 376.855+/-80.943 χ^2/NDF: 144.3/94

- sign 121.926+/-115.611 χ^2/NDF: 46.6/48

asym_sam_12345678_avg_rms vs Slug



Right In: 1019.488+/-0.233 χ^2/NDF: 1967288.2/20

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

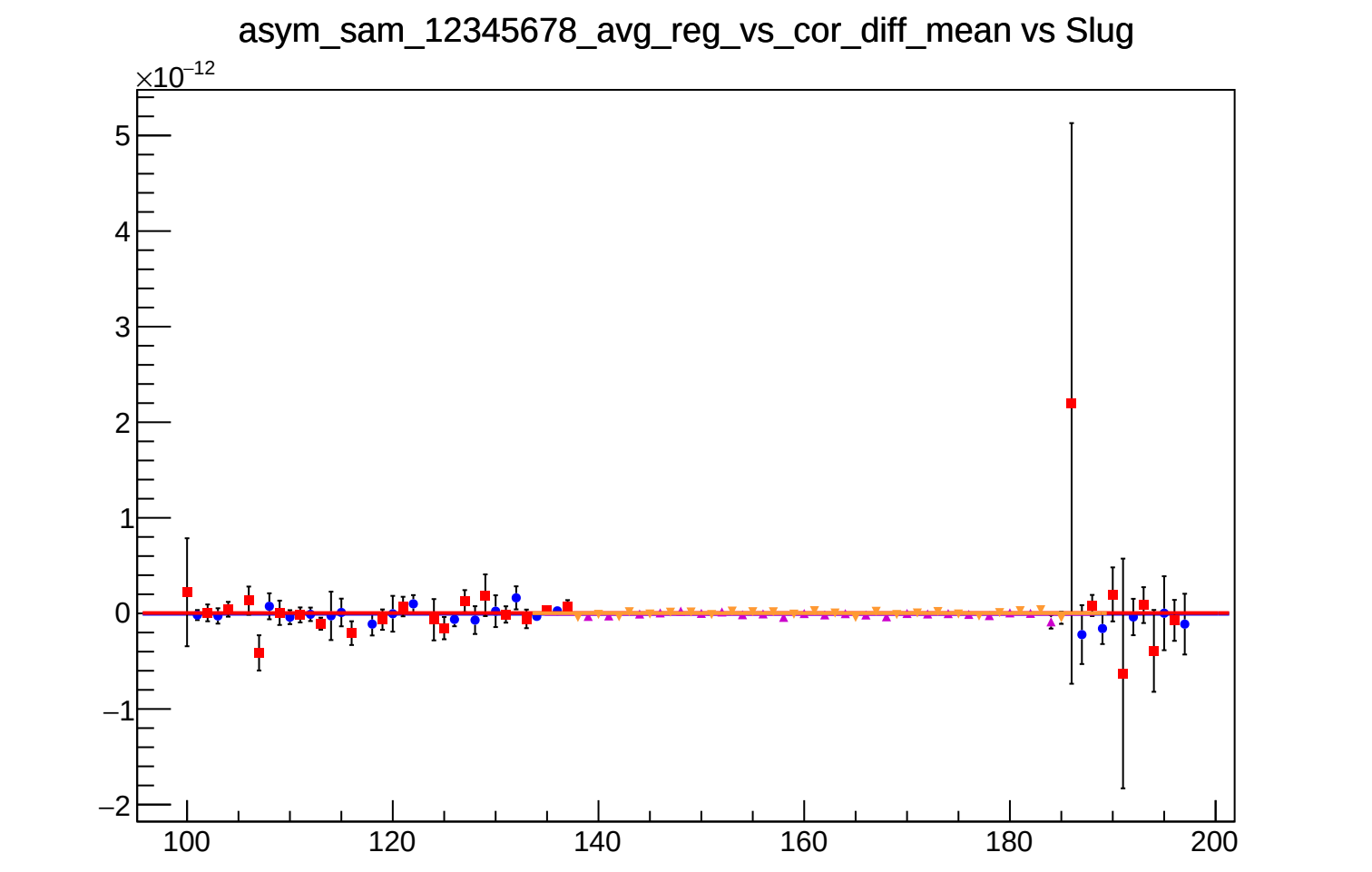
Right Out: 1073.730+/-0.232 χ^2/NDF: 2306171.2/25

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 579.896+/-0.080 χ^2/NDF: 7237755.5/45

All: 583.847+/-0.057 χ^2/NDF: 15644347.6/94

- sign 587.956+/-0.082 χ^2/NDF: 8401637.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/20

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

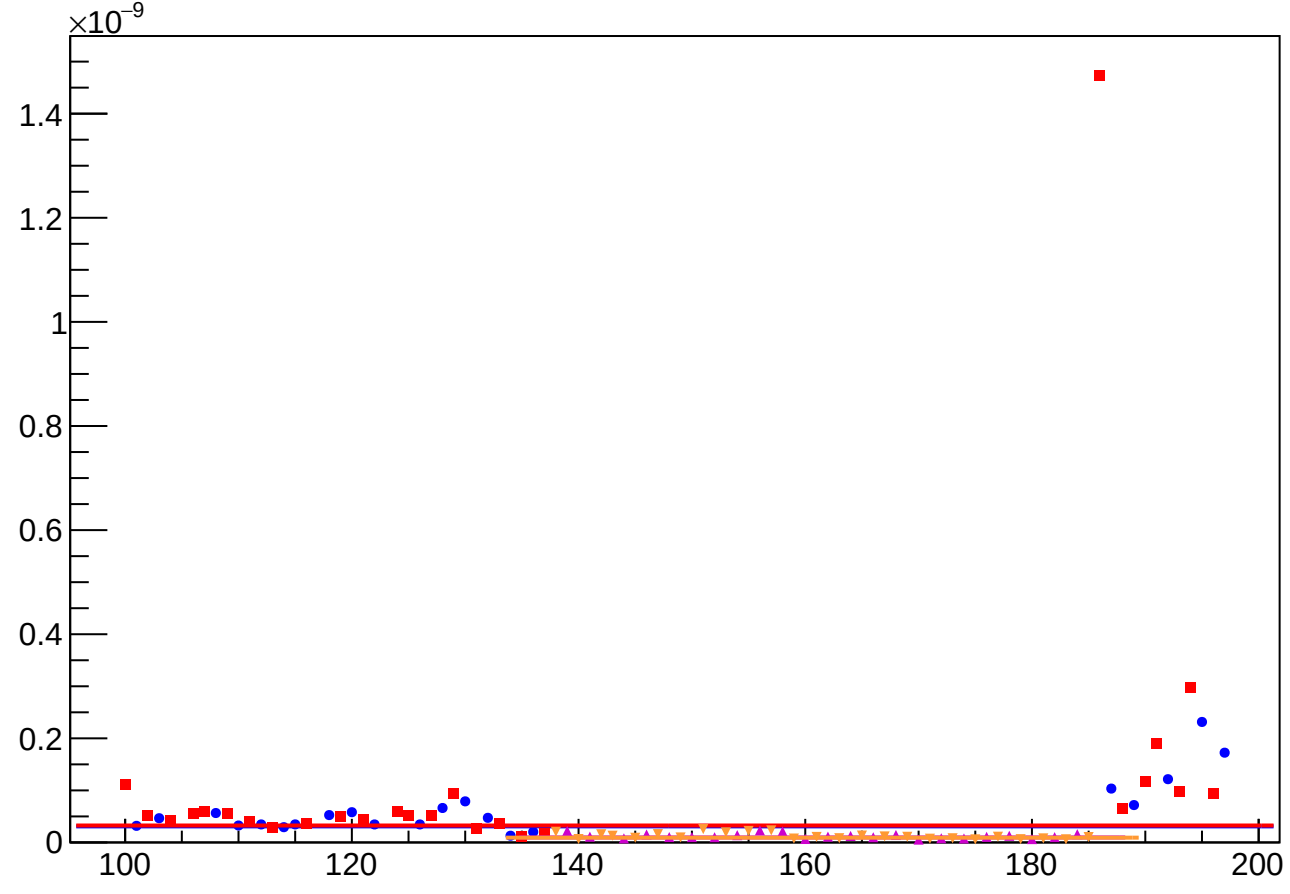
Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/25

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.2/45

All: -0.000+/-0.000 χ^2/NDF: 66.1/94

- sign -0.000+/-0.000 χ^2/NDF: 33.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 2815101.4/20

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

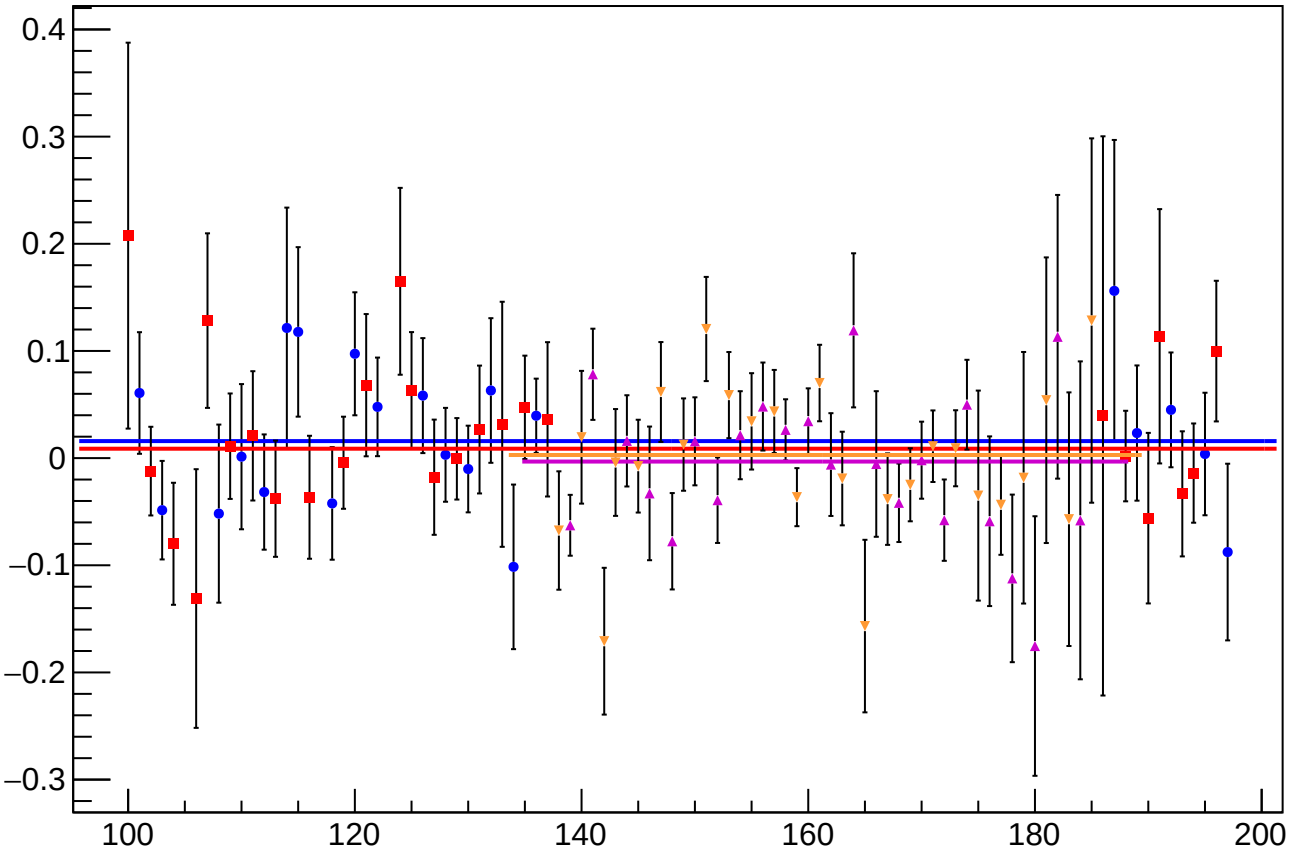
Right Out: 0.000+/-0.000 χ^2/NDF: 3762648.2/25

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7886382.9/45

All: 0.000+/-0.000 χ^2/NDF: 16147338.2/94

- sign 0.000+/-0.000 χ^2/NDF: 8249851.0/48



Right In: 0.016+/-0.012 χ^2/NDF: 17.7/20

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.009+/-0.012 χ^2/NDF: 19.3/25

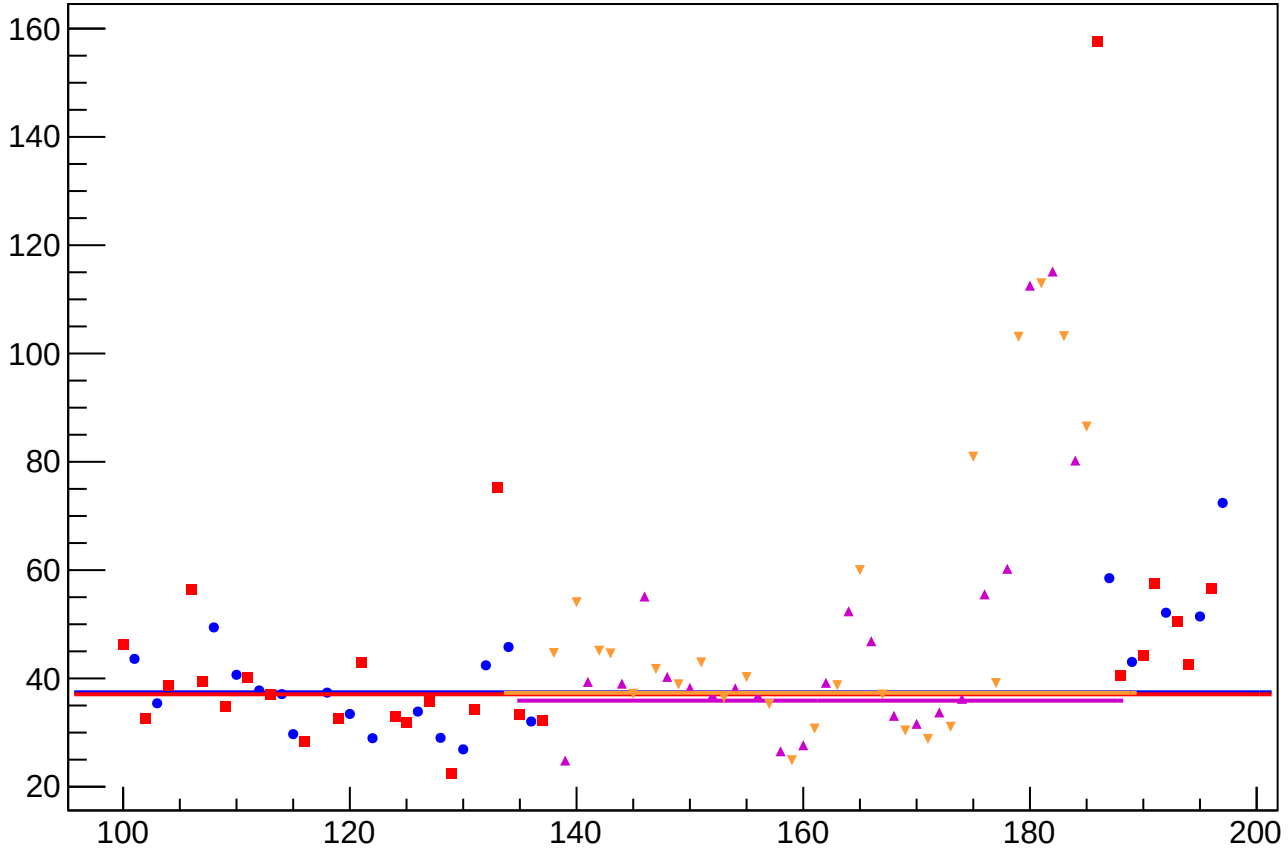
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 51.3/45

All: 0.004+/-0.005 χ^2/NDF: 101.4/94

- sign 0.001+/-0.007 χ^2/NDF: 49.8/48

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.437+/-0.009 χ^2/NDF: 1163295.4/20

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

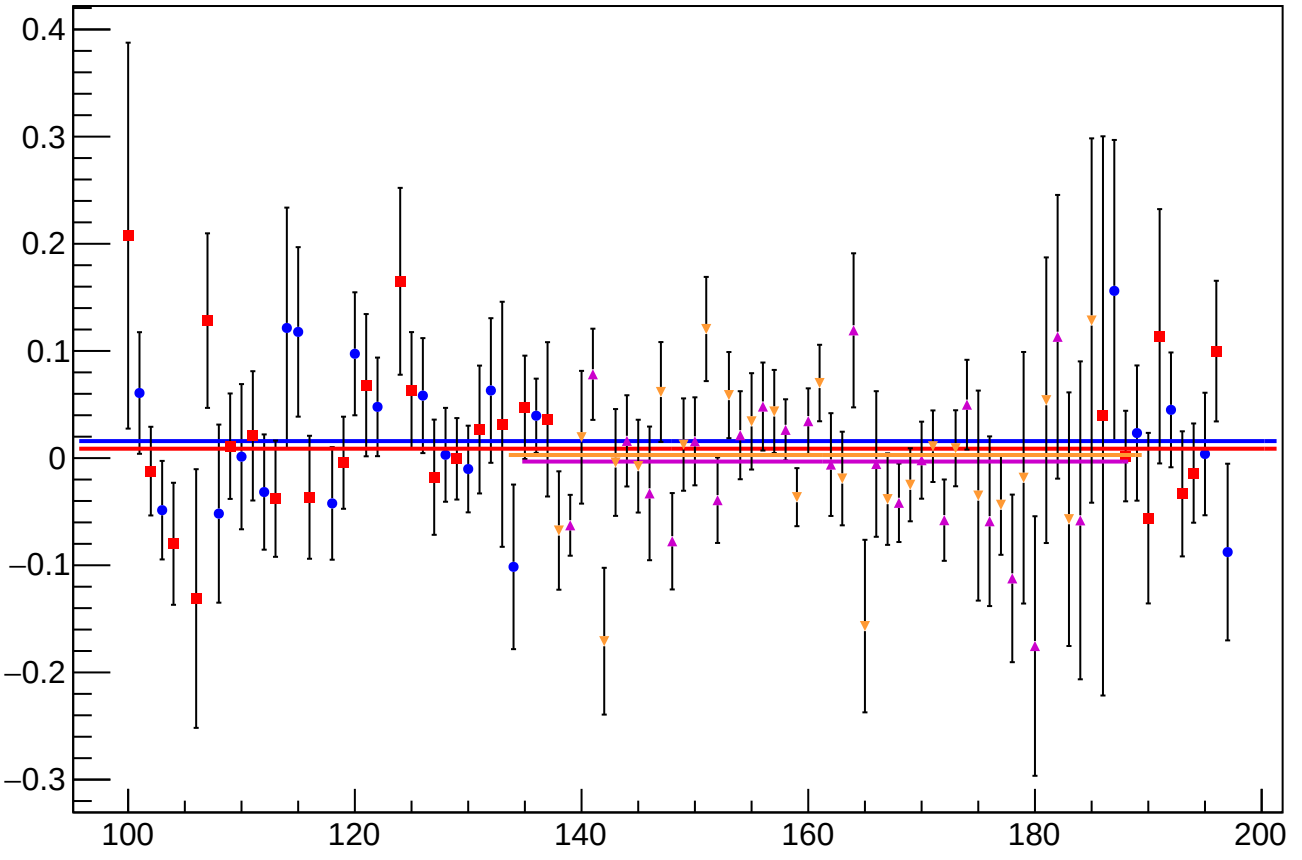
Right Out: 37.069+/-0.008 χ^2/NDF: 1575191.8/25

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.378+/-0.005 χ^2/NDF: 4860016.4/45

All: 36.849+/-0.004 χ^2/NDF: 9606144.3/94

- sign 36.350+/-0.005 χ^2/NDF: 4726190.1/48



Right In: 0.016+/-0.012 χ^2/NDF: 17.7/20

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

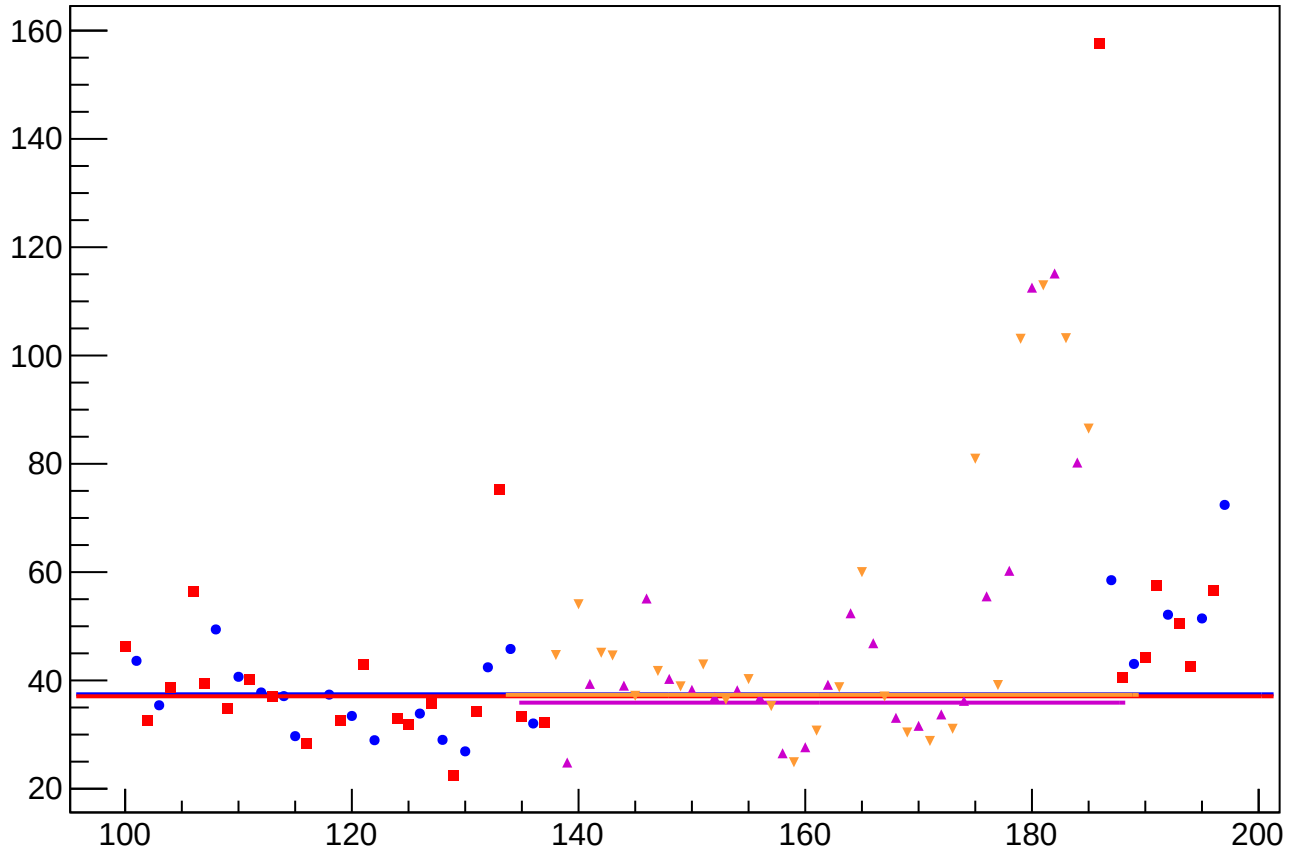
Right Out: 0.009+/-0.012 χ^2/NDF: 19.3/25

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 51.3/45

All: 0.004+/-0.005 χ^2/NDF: 101.4/94

- sign 0.001+/-0.007 χ^2/NDF: 49.8/48



Right In: 37.437+/-0.009 χ^2/NDF: 1163295.4/20

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

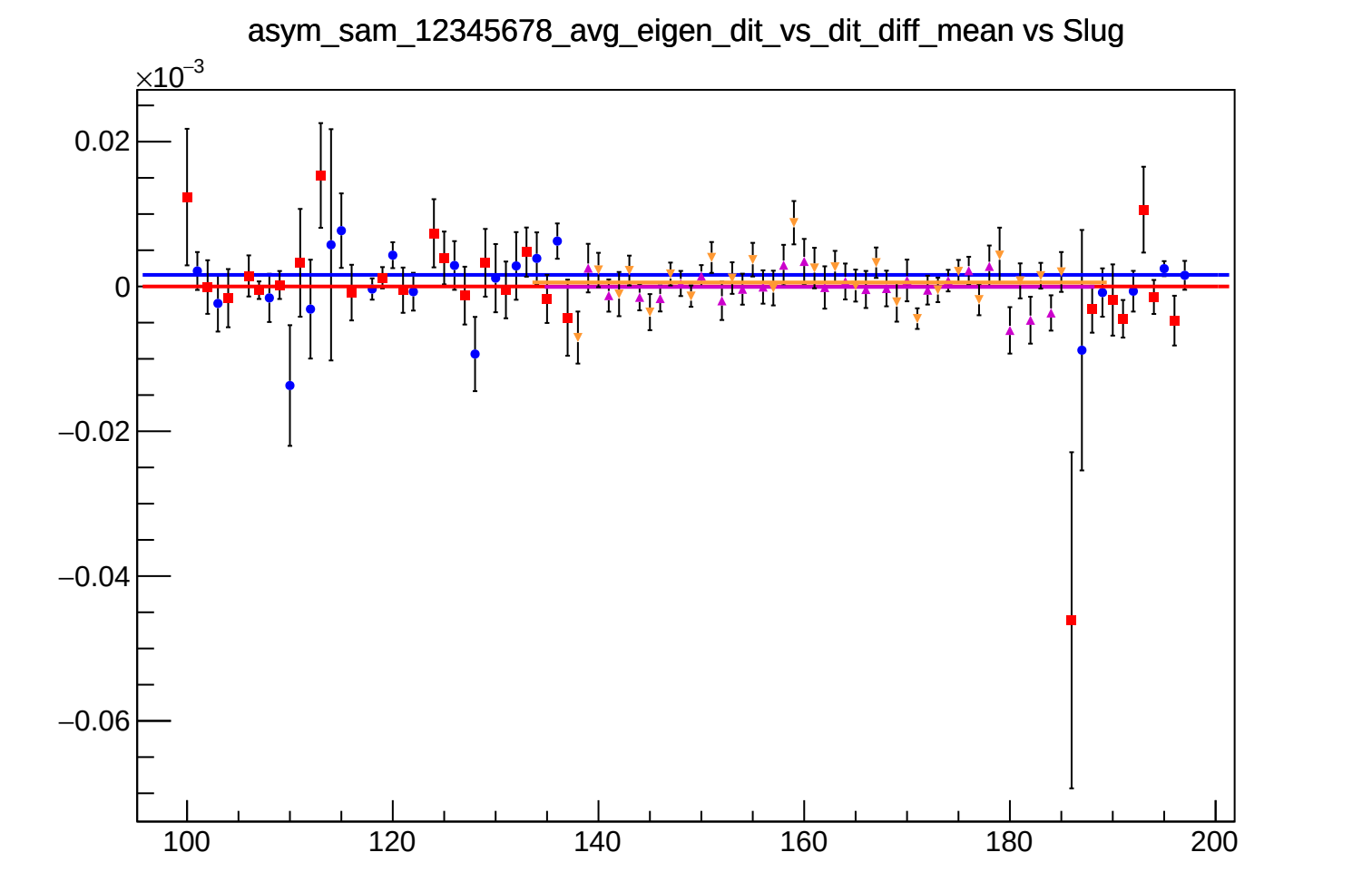
Right Out: 37.069+/-0.008 χ^2/NDF: 1575191.8/25

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.378+/-0.005 χ^2/NDF: 4860016.4/45

All: 36.849+/-0.004 χ^2/NDF: 9606144.3/94

- sign 36.350+/-0.005 χ^2/NDF: 4726190.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/20

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

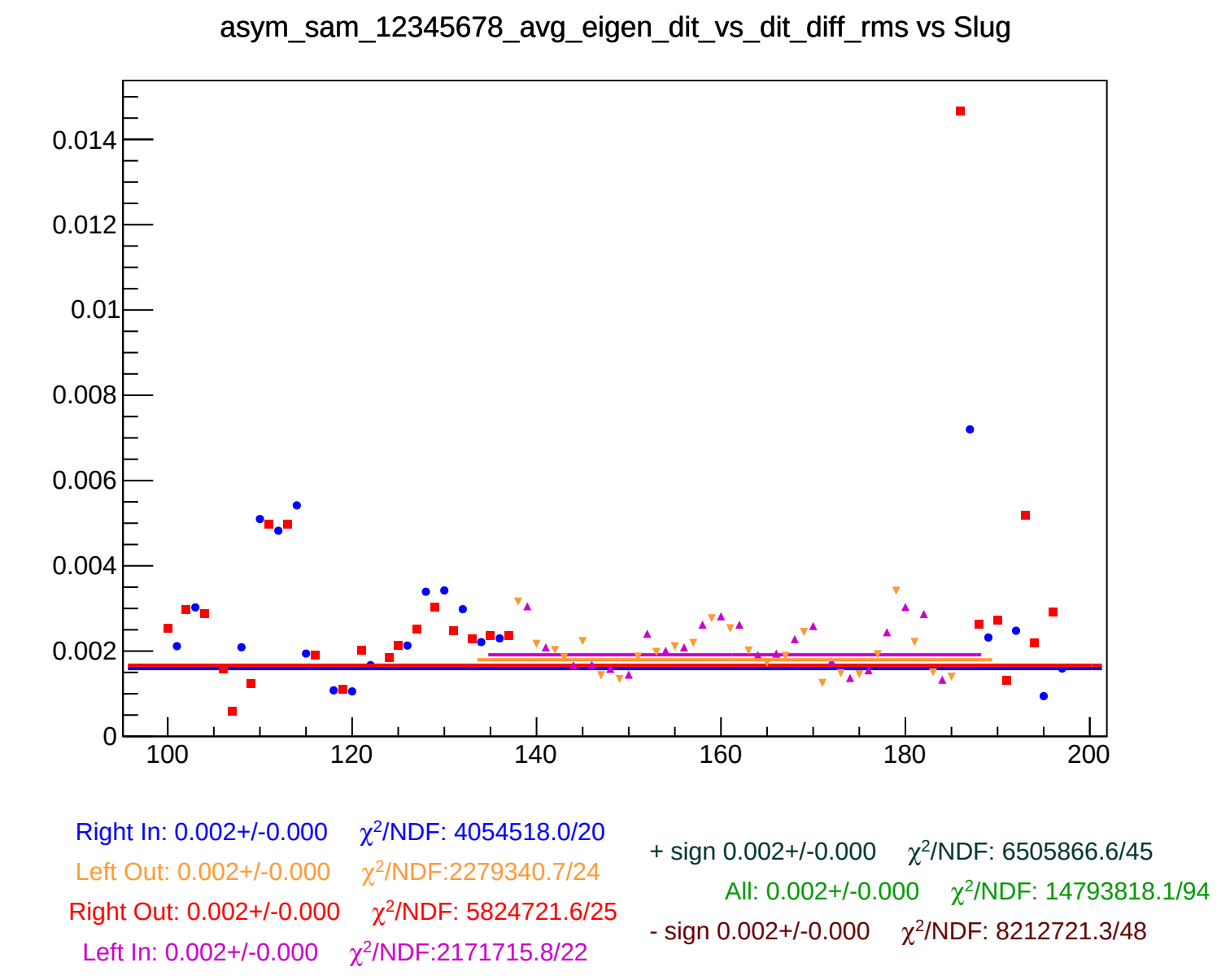
Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/25

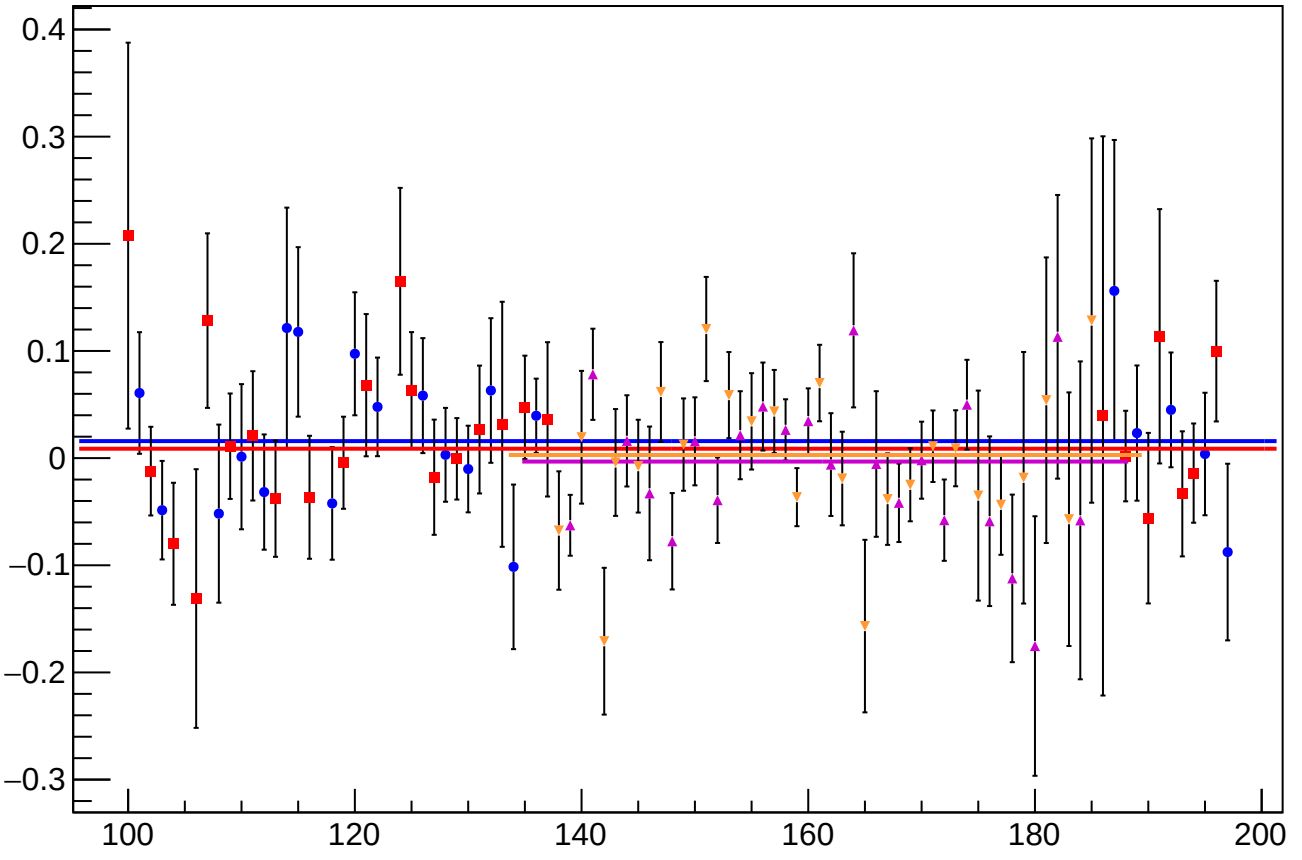
Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.0/45

All: 0.000+/-0.000 χ^2/NDF: 118.1/94

- sign -0.000+/-0.000 χ^2/NDF: 45.3/48


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: 4054518.0/20
Left Out: 0.002+/-0.000 χ²/NDF:2279340.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 5824721.6/25
Left In: 0.002+/-0.000 χ²/NDF:2171715.8/22
+ sign 0.002+/-0.000 χ²/NDF: 6505866.6/45
All: 0.002+/-0.000 χ²/NDF: 14793818.1/94
- sign 0.002+/-0.000 χ²/NDF: 8212721.3/48



Right In: 0.016+/-0.012 χ^2/NDF: 17.7/20

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

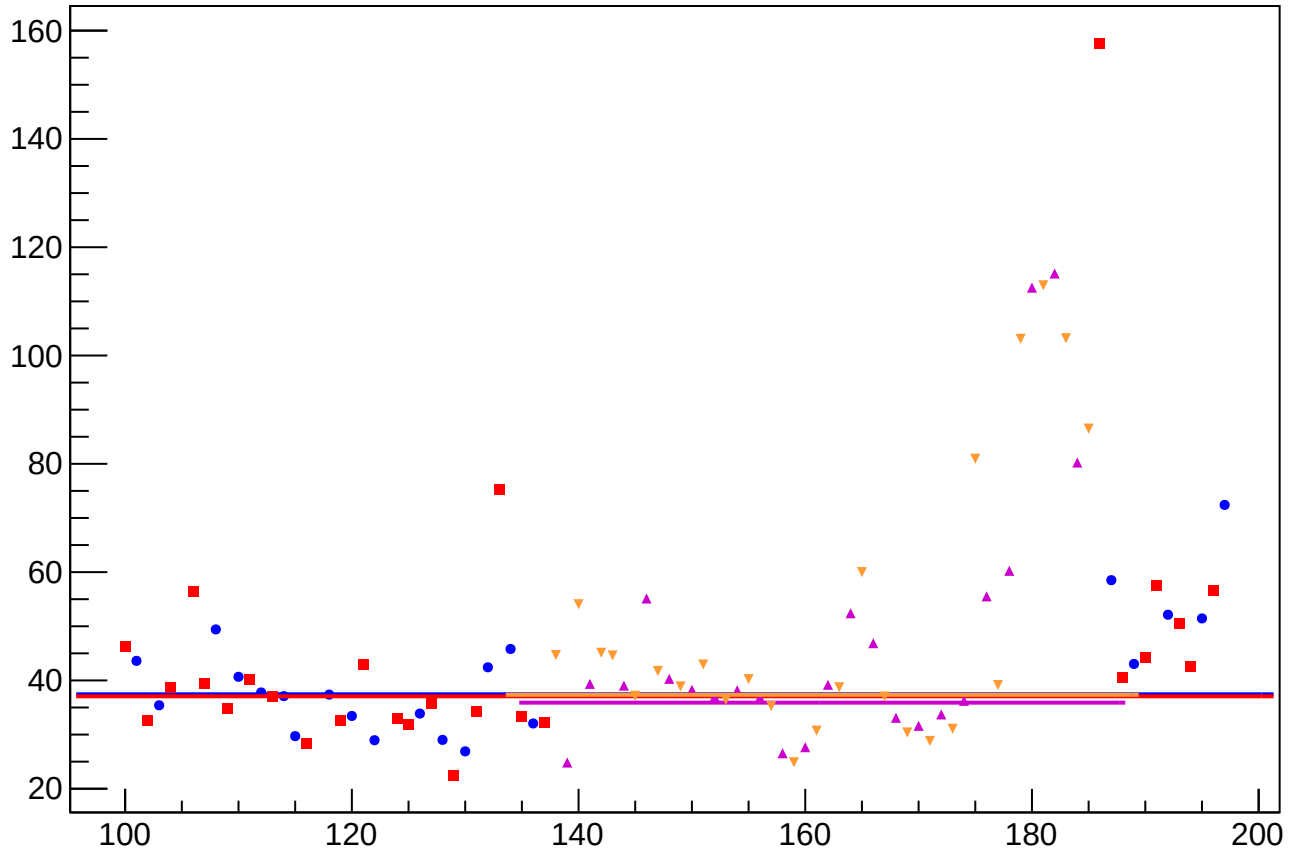
Right Out: 0.009+/-0.012 χ^2/NDF: 19.3/25

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 51.3/45

All: 0.004+/-0.005 χ^2/NDF: 101.4/94

- sign 0.001+/-0.007 χ^2/NDF: 49.8/48



Right In: 37.437+/-0.009 χ^2/NDF: 1163386.2/20

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

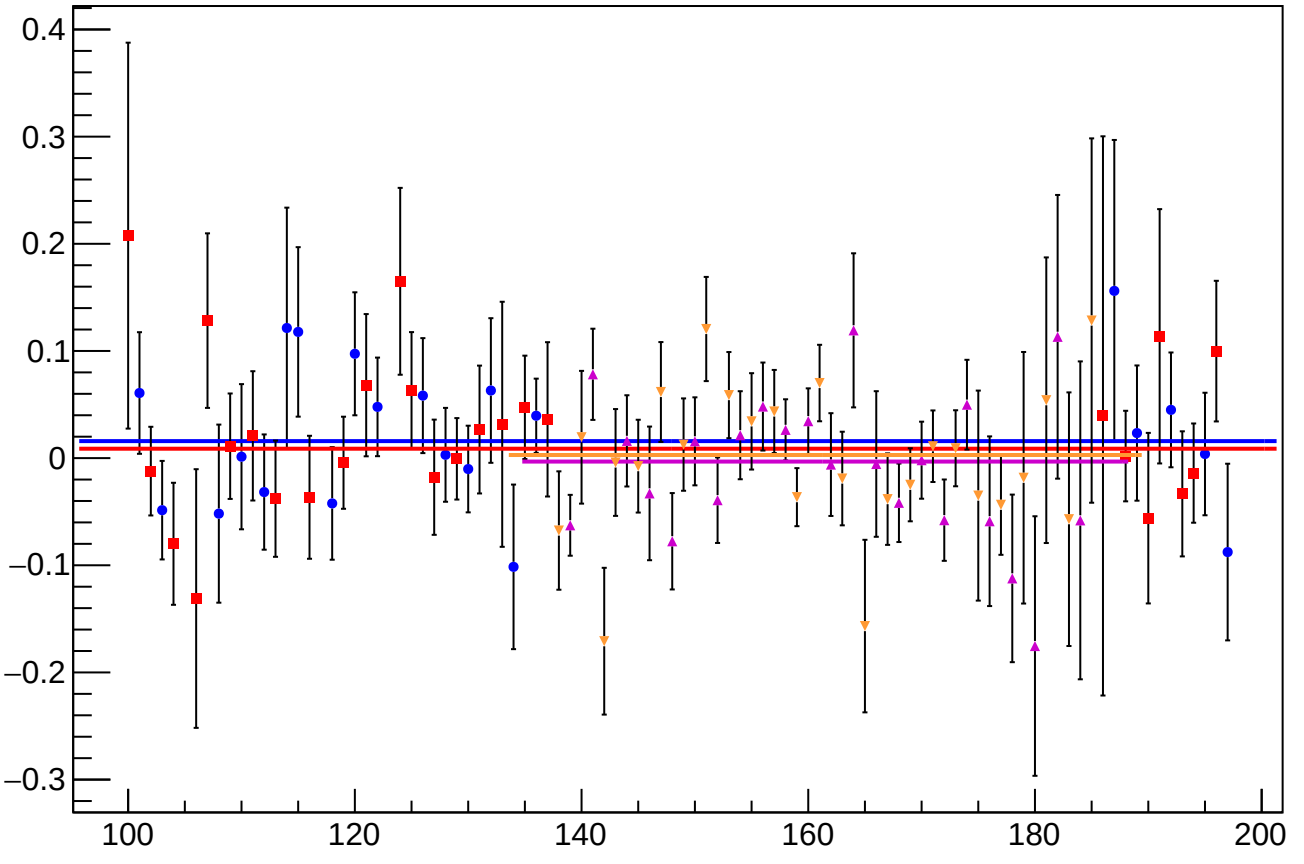
Right Out: 37.069+/-0.008 χ^2/NDF: 1575269.9/25

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.378+/-0.005 χ^2/NDF: 4860155.9/45

All: 36.849+/-0.004 χ^2/NDF: 9606354.9/94

- sign 36.350+/-0.005 χ^2/NDF: 4726268.3/48



Right In: 0.016+/-0.012 χ^2/NDF: 17.7/20

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

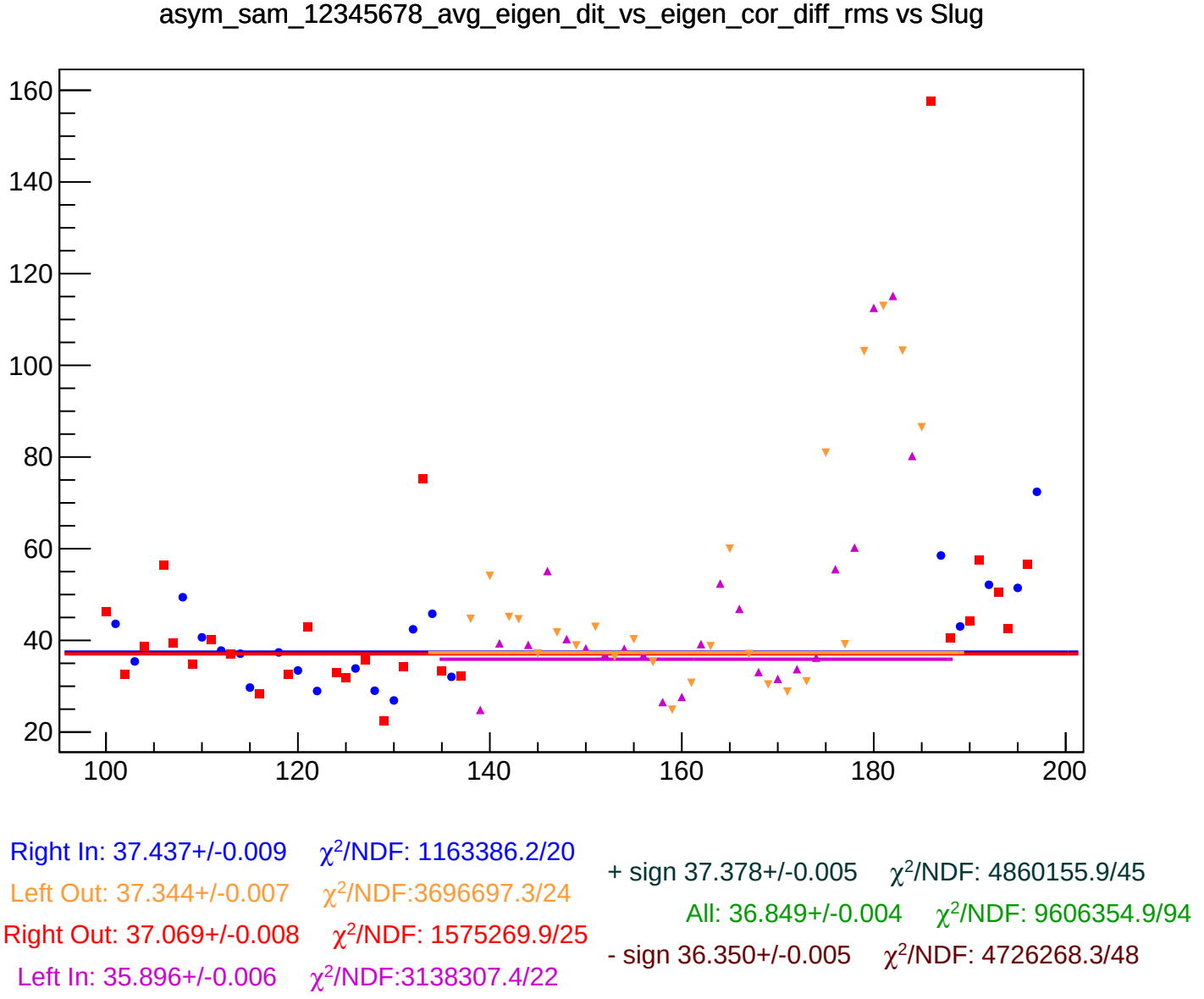
Right Out: 0.009+/-0.012 χ^2/NDF: 19.3/25

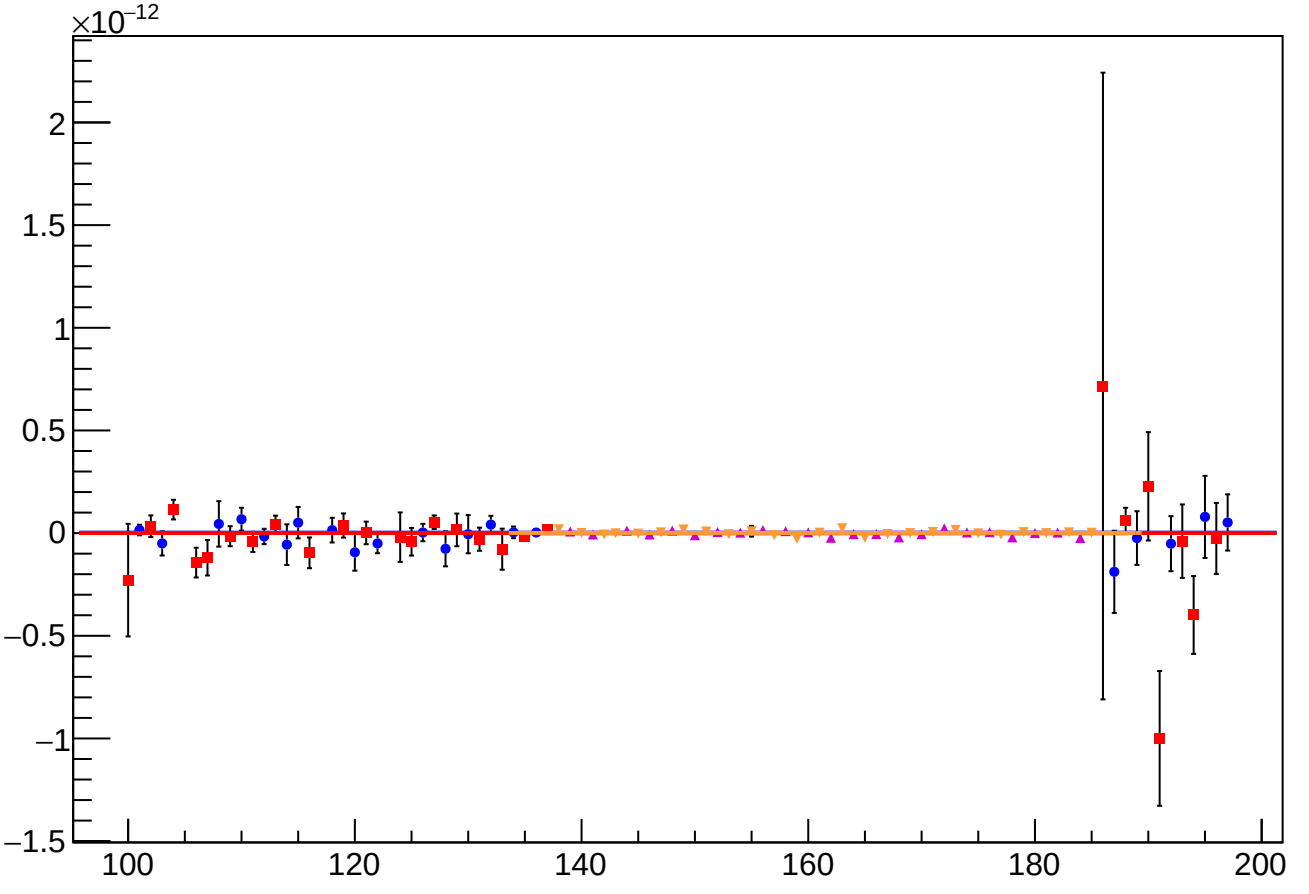
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 51.3/45

All: 0.004+/-0.005 χ^2/NDF: 101.4/94

- sign 0.001+/-0.007 χ^2/NDF: 49.8/48


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
160
140
120
100
80
60
40
20
100
120
140
160
180
200
Right In: 37.437+/-0.009 χ²/NDF: 1163386.2/20
Left Out: 37.344+/-0.007 χ²/NDF:3696697.3/24
Right Out: 37.069+/-0.008 χ²/NDF: 1575269.9/25
Left In: 35.896+/-0.006 χ²/NDF:3138307.4/22
+ sign 37.378+/-0.005 χ²/NDF: 4860155.9/45
All: 36.849+/-0.004 χ²/NDF: 9606354.9/94
- sign 36.350+/-0.005 χ²/NDF: 4726268.3/48



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/20

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

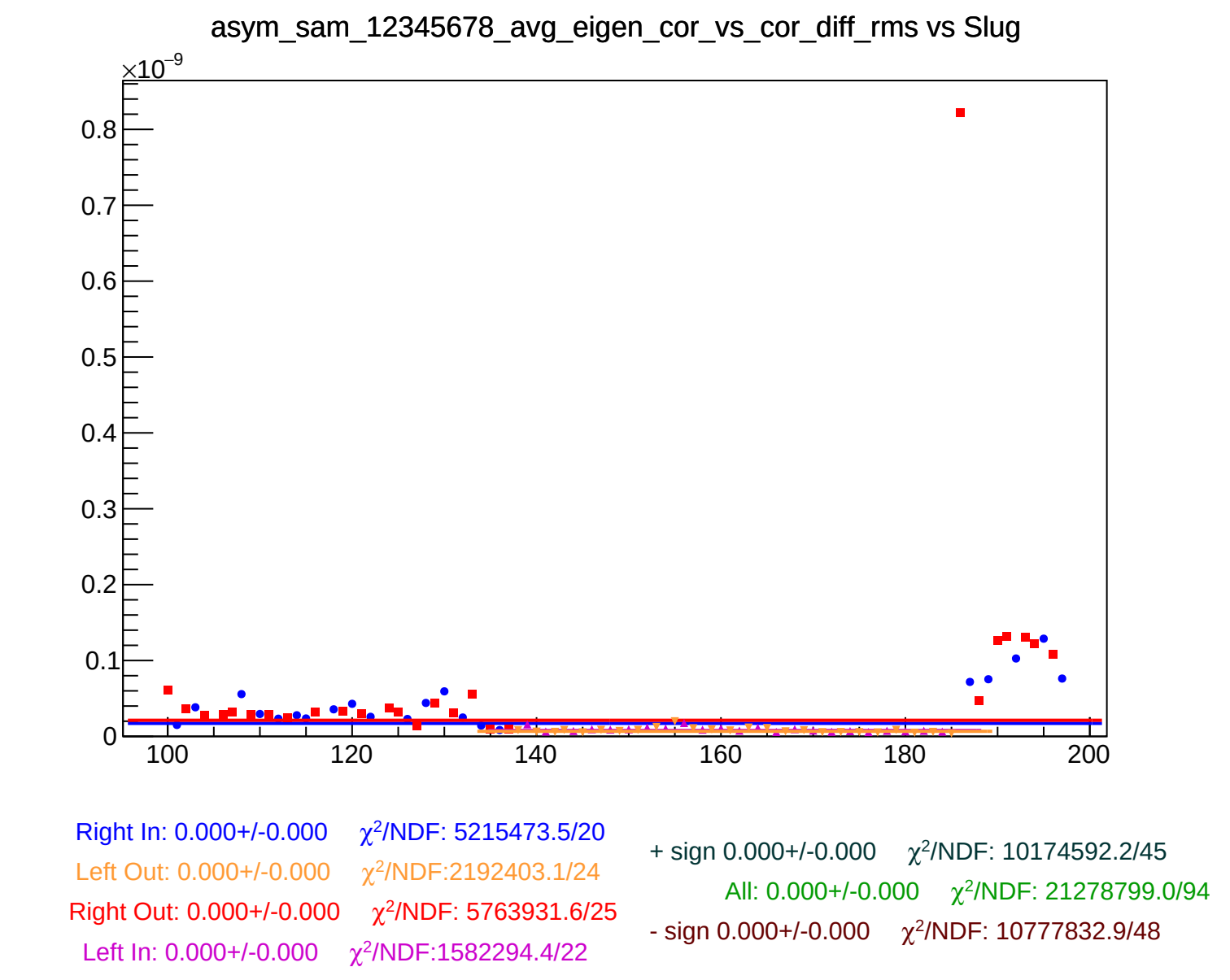
Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/25

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

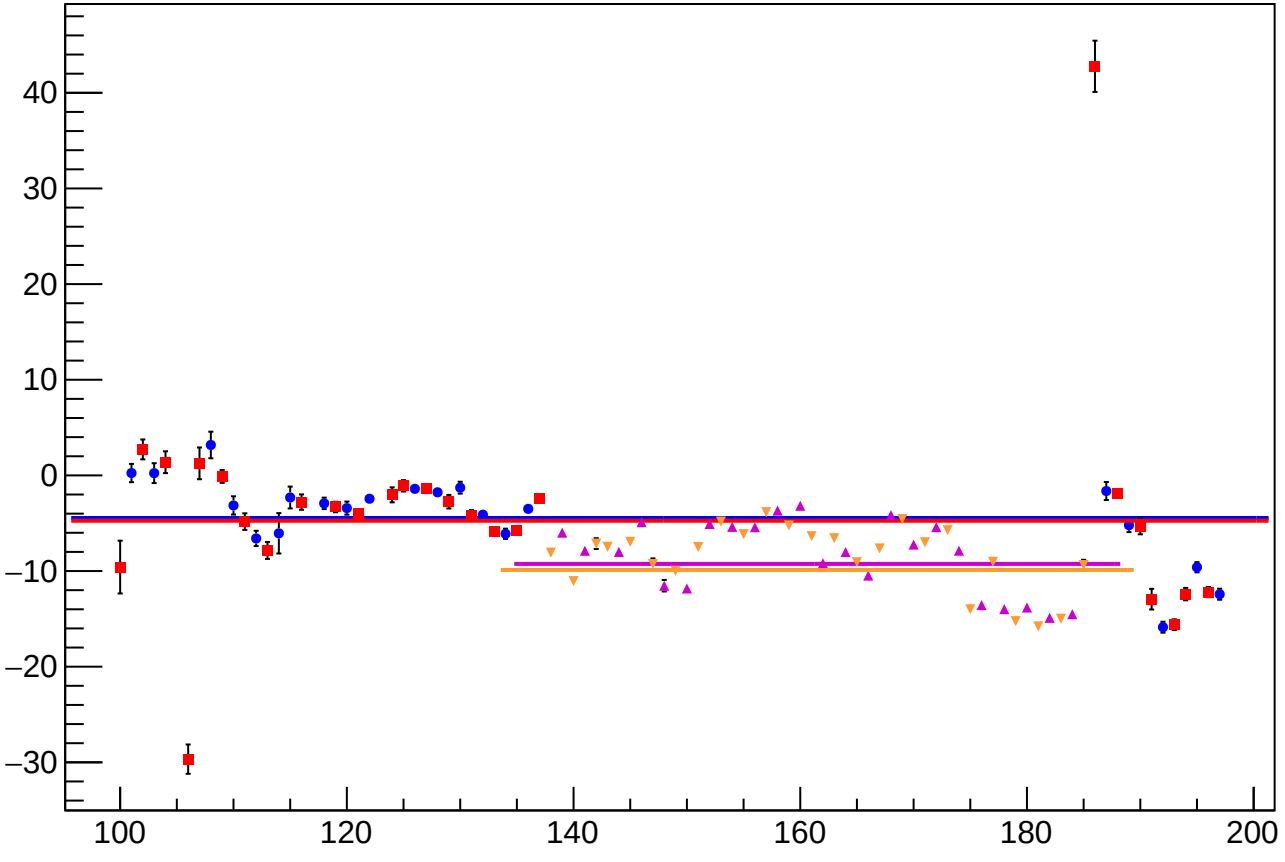
+ sign 0.000+/-0.000 χ^2/NDF: 30.5/45

All: 0.000+/-0.000 χ^2/NDF: 97.2/94

- sign -0.000+/-0.000 χ^2/NDF: 66.4/48


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5215473.5/20
Left Out: 0.000+/-0.000 χ²/NDF:2192403.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 5763931.6/25
Left In: 0.000+/-0.000 χ²/NDF:1582294.4/22
+ sign 0.000+/-0.000 χ²/NDF: 10174592.2/45
All: 0.000+/-0.000 χ²/NDF: 21278799.0/94
- sign 0.000+/-0.000 χ²/NDF: 10777832.9/48

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.454+/-0.122 χ^2/NDF: 930.6/20

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -4.741+/-0.118 χ^2/NDF: 1752.6/25

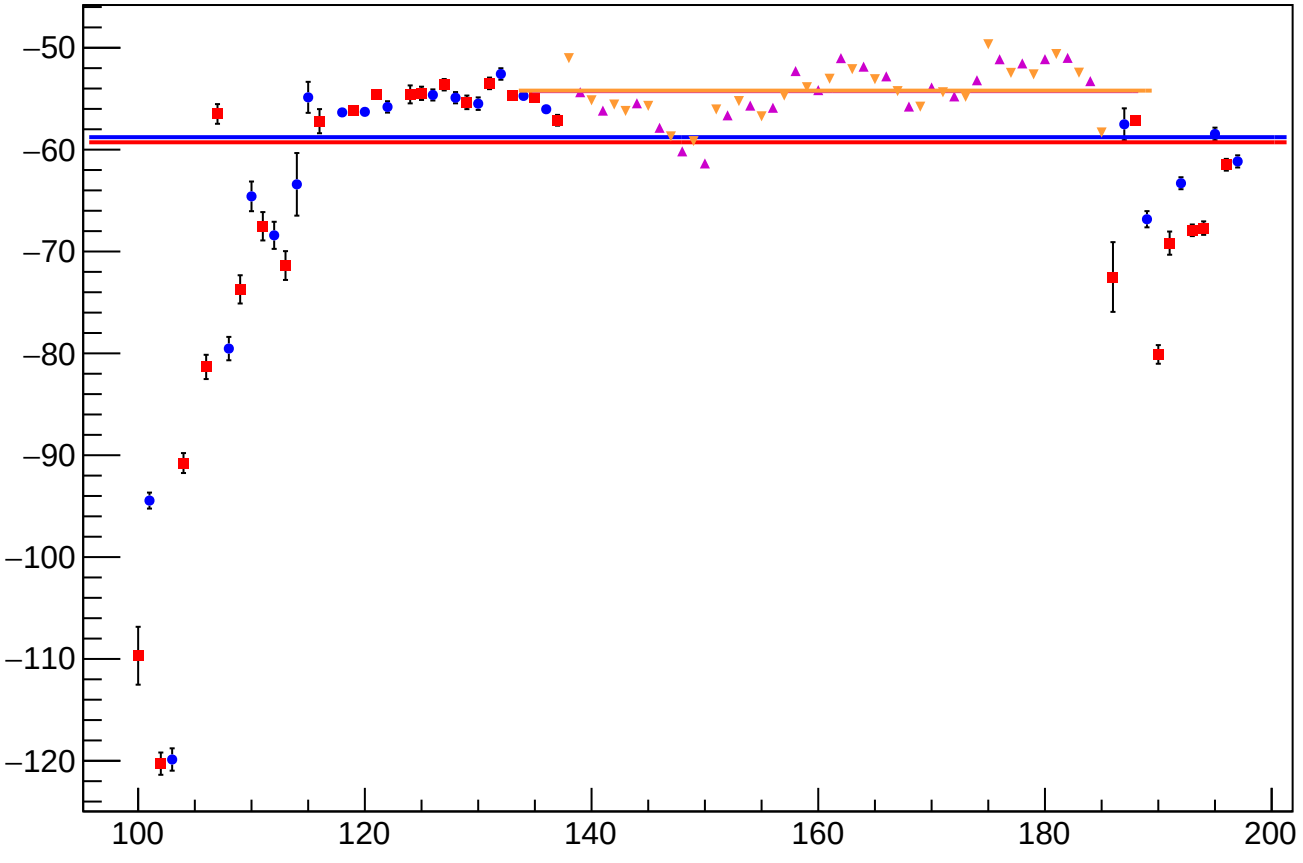
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.553+/-0.060 χ^2/NDF: 5636.1/45

All: -8.298+/-0.043 χ^2/NDF: 11563.3/94

- sign -8.037+/-0.061 χ^2/NDF: 5891.3/48

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.776+/-0.124 χ^2/NDF: 6323.0/20

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.278+/-0.122 χ^2/NDF: 6941.3/25

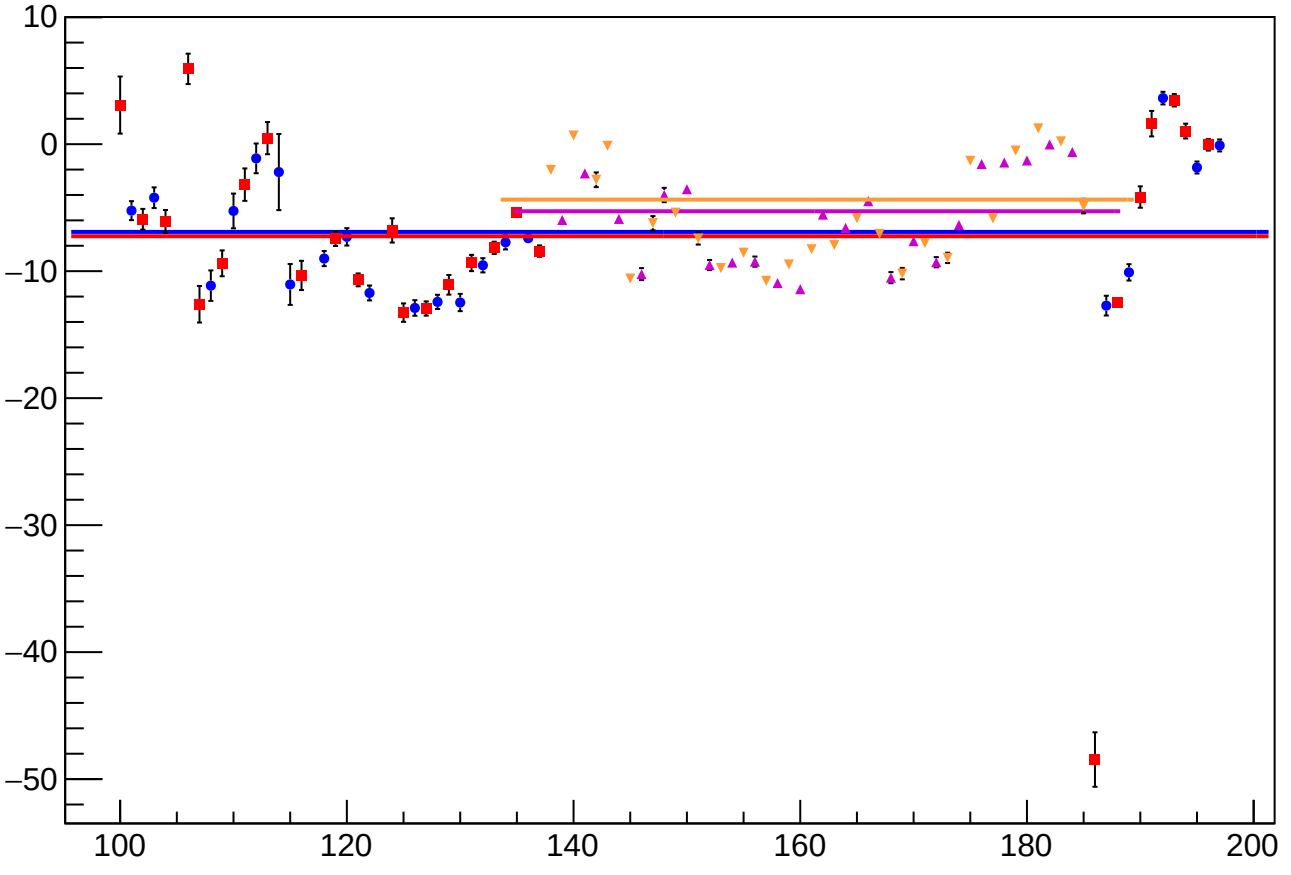
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.973+/-0.051 χ^2/NDF: 9305.1/45

All: -55.077+/-0.037 χ^2/NDF: 20118.5/94

- sign -55.187+/-0.053 χ^2/NDF: 10804.9/48

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -6.908+/-0.124 χ^2/NDF: 1282.5/20

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -7.250+/-0.118 χ^2/NDF: 2307.3/25

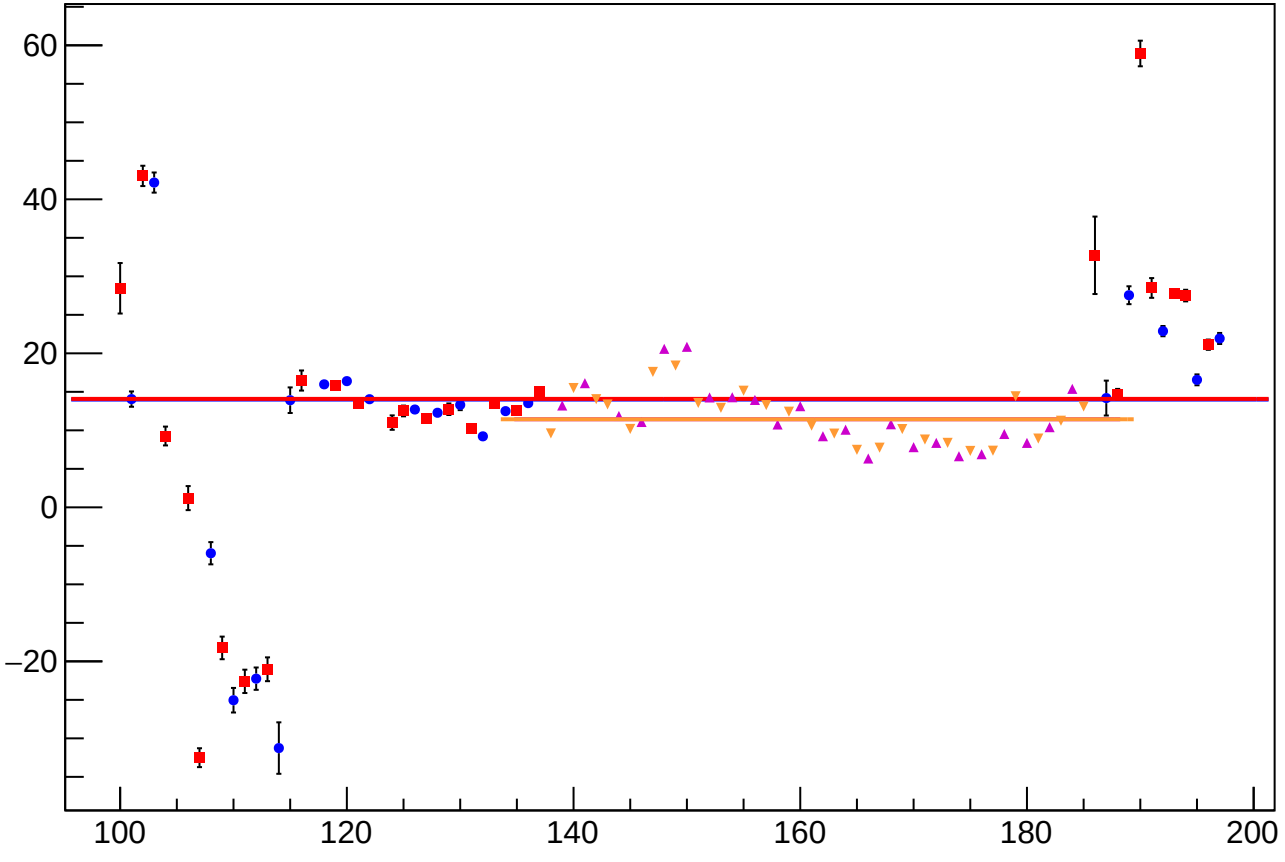
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.969+/-0.060 χ^2/NDF: 5303.6/45

All: -5.385+/-0.043 χ^2/NDF: 10660.4/94

- sign -5.807+/-0.061 χ^2/NDF: 5261.6/48

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 14.000+/-0.139 χ^2/NDF: 2636.7/20

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.084+/-0.140 χ^2/NDF: 5481.4/25

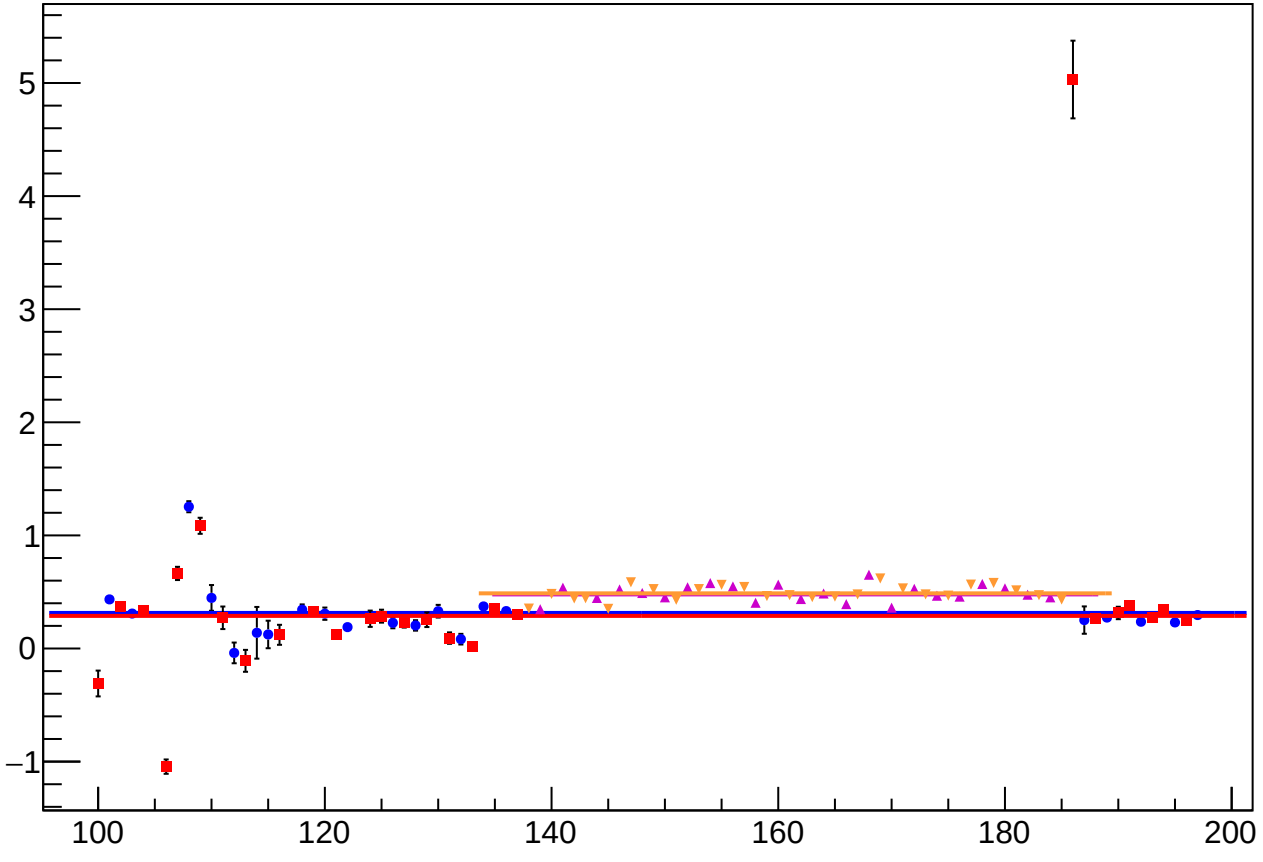
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

+ sign 11.860+/-0.057 χ^2/NDF: 5354.0/45

All: 11.880+/-0.041 χ^2/NDF: 14488.7/94

- sign 11.900+/-0.058 χ^2/NDF: 9134.4/48

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.315+/-0.007 χ^2/NDF: 478.0/20

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.288+/-0.007 χ^2/NDF: 987.5/25

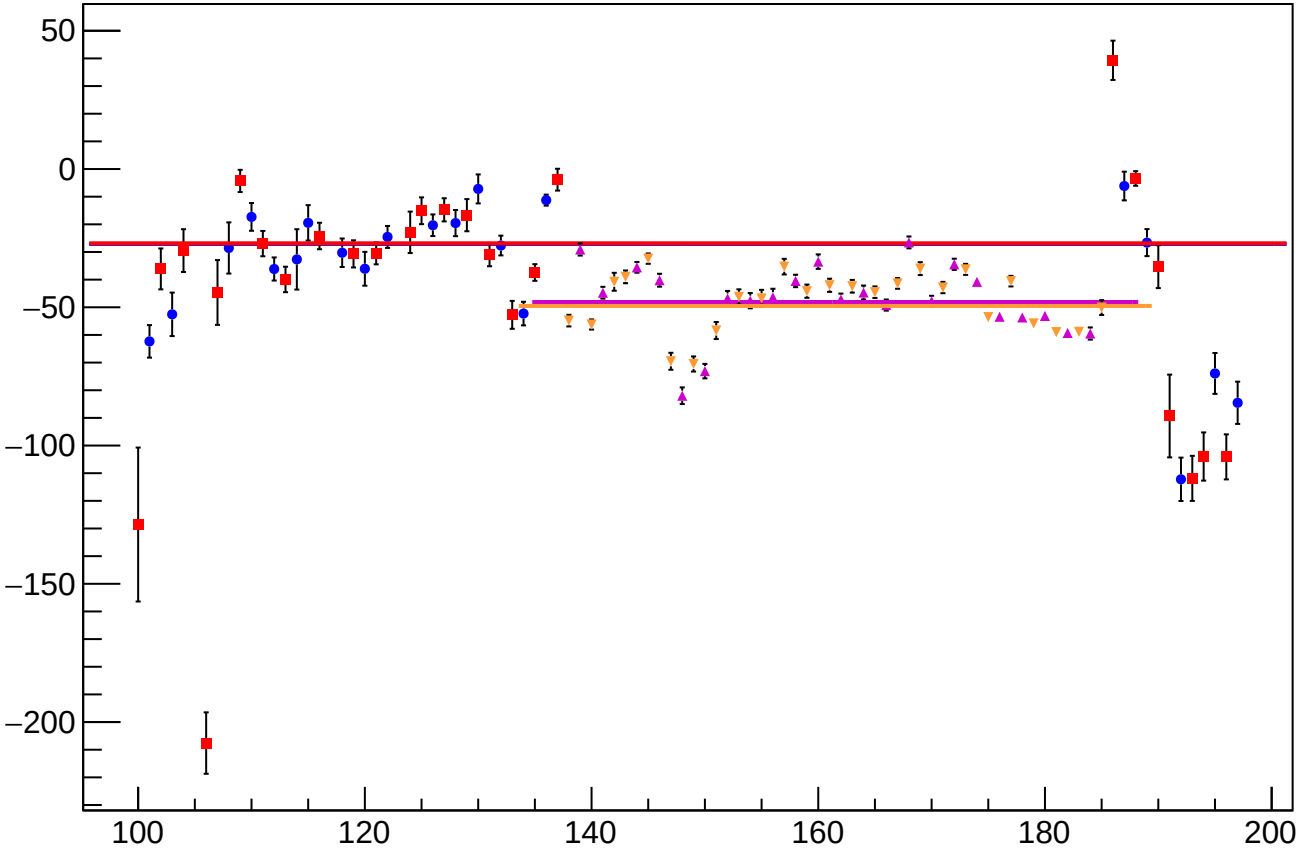
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.462+/-0.003 χ^2/NDF: 1611.0/45

All: 0.456+/-0.002 χ^2/NDF: 4114.5/94

- sign 0.450+/-0.003 χ^2/NDF: 2492.1/48

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -27.075+/-1.011 χ^2/NDF: 408.6/20

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -26.880+/-1.000 χ^2/NDF: 875.3/25

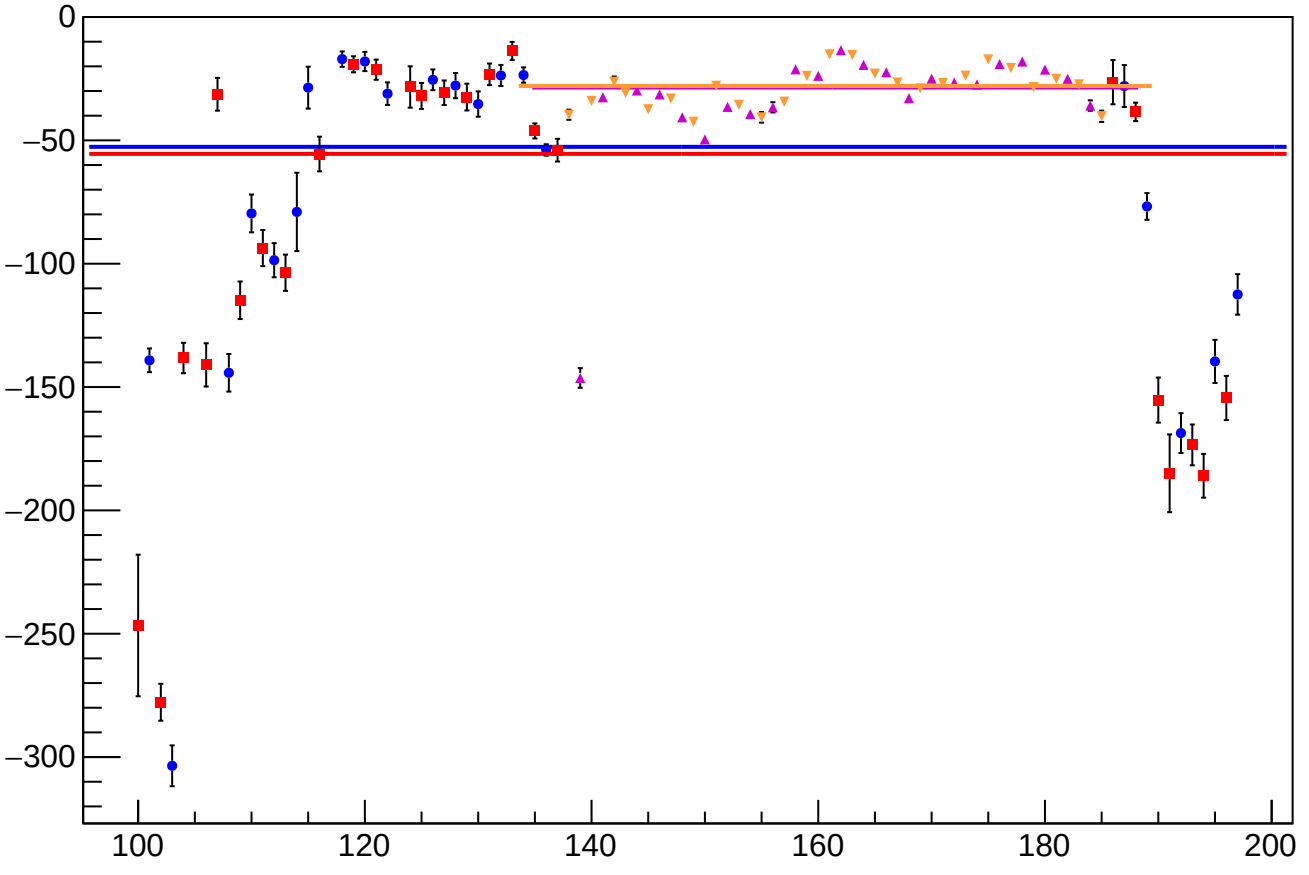
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.448+/-0.374 χ^2/NDF: 1410.1/45

All: -45.710+/-0.269 χ^2/NDF: 3382.7/94

- sign -44.924+/-0.386 χ^2/NDF: 1964.5/48

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -52.626+/-1.045 χ^2/NDF: 2283.3/20

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -55.480+/-1.082 χ^2/NDF: 2565.8/25

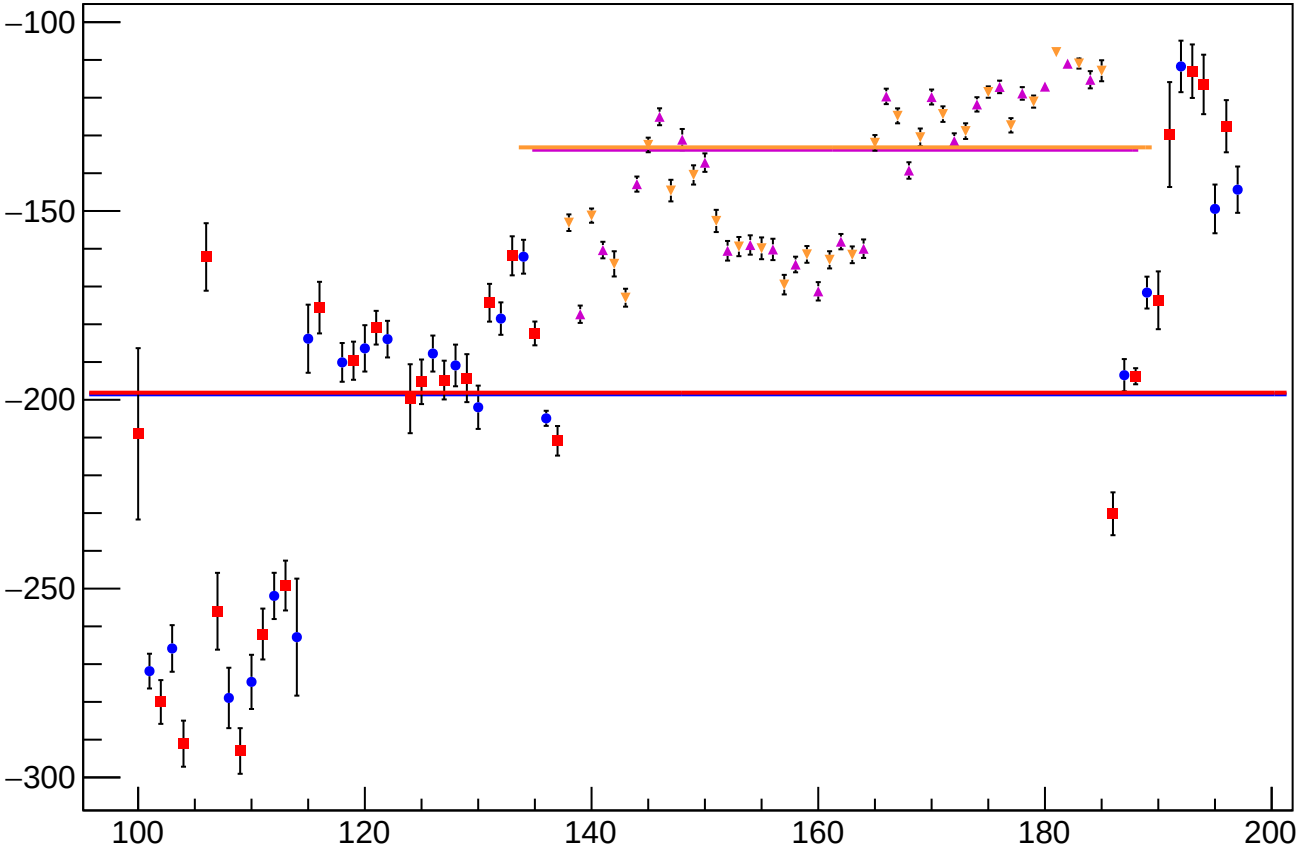
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -30.087+/-0.307 χ^2/NDF: 3290.5/45

All: -30.491+/-0.221 χ^2/NDF: 7904.8/94

- sign -30.928+/-0.319 χ^2/NDF: 4610.7/48

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -198.548+/-1.052 χ^2/NDF: 1143.5/20

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -198.117+/-1.031 χ^2/NDF: 1440.8/25

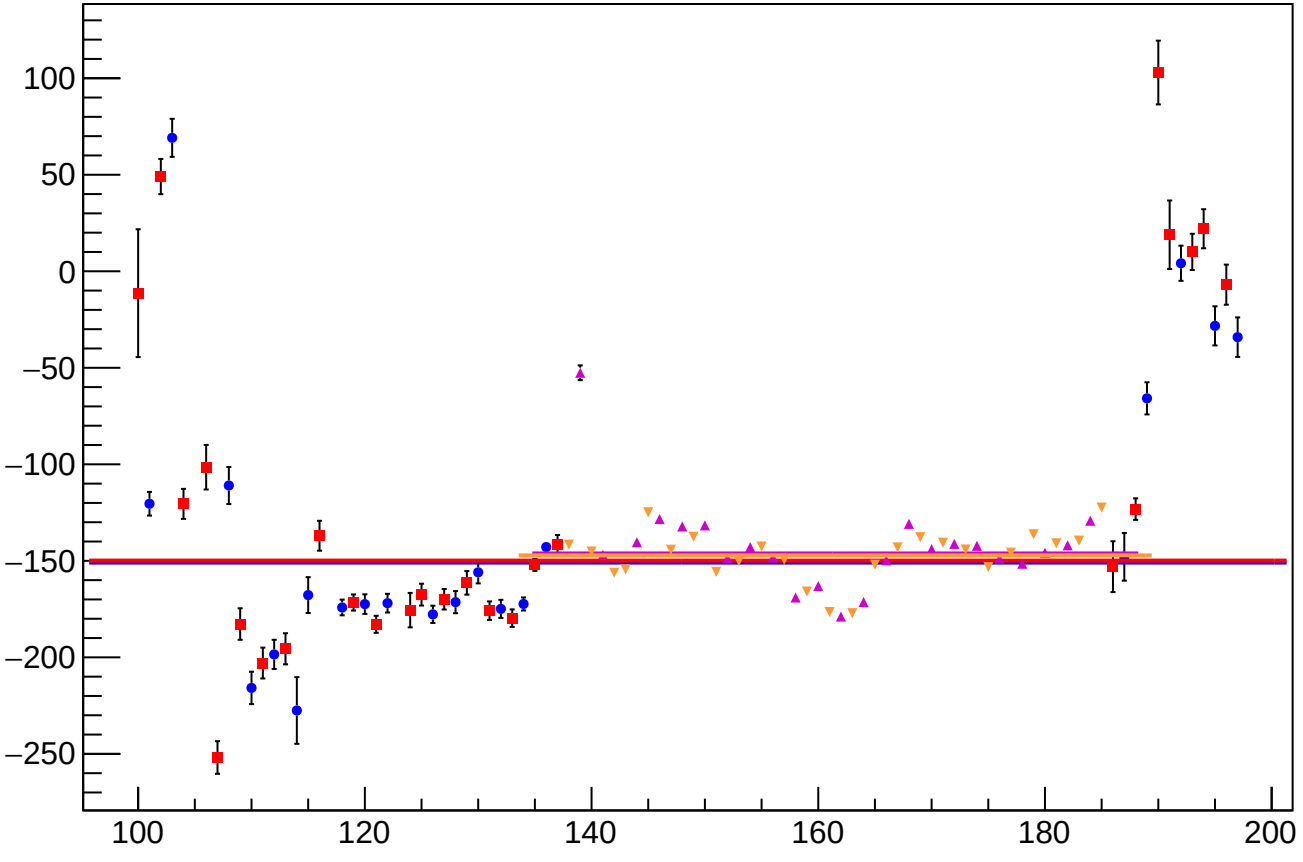
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.519+/-0.376 χ^2/NDF: 7043.3/45

All: -142.156+/-0.270 χ^2/NDF: 14280.0/94

- sign -142.828+/-0.387 χ^2/NDF: 7230.8/48

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -150.907+/-1.180 χ^2/NDF: 1530.1/20

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -149.871+/-1.245 χ^2/NDF: 2078.4/25

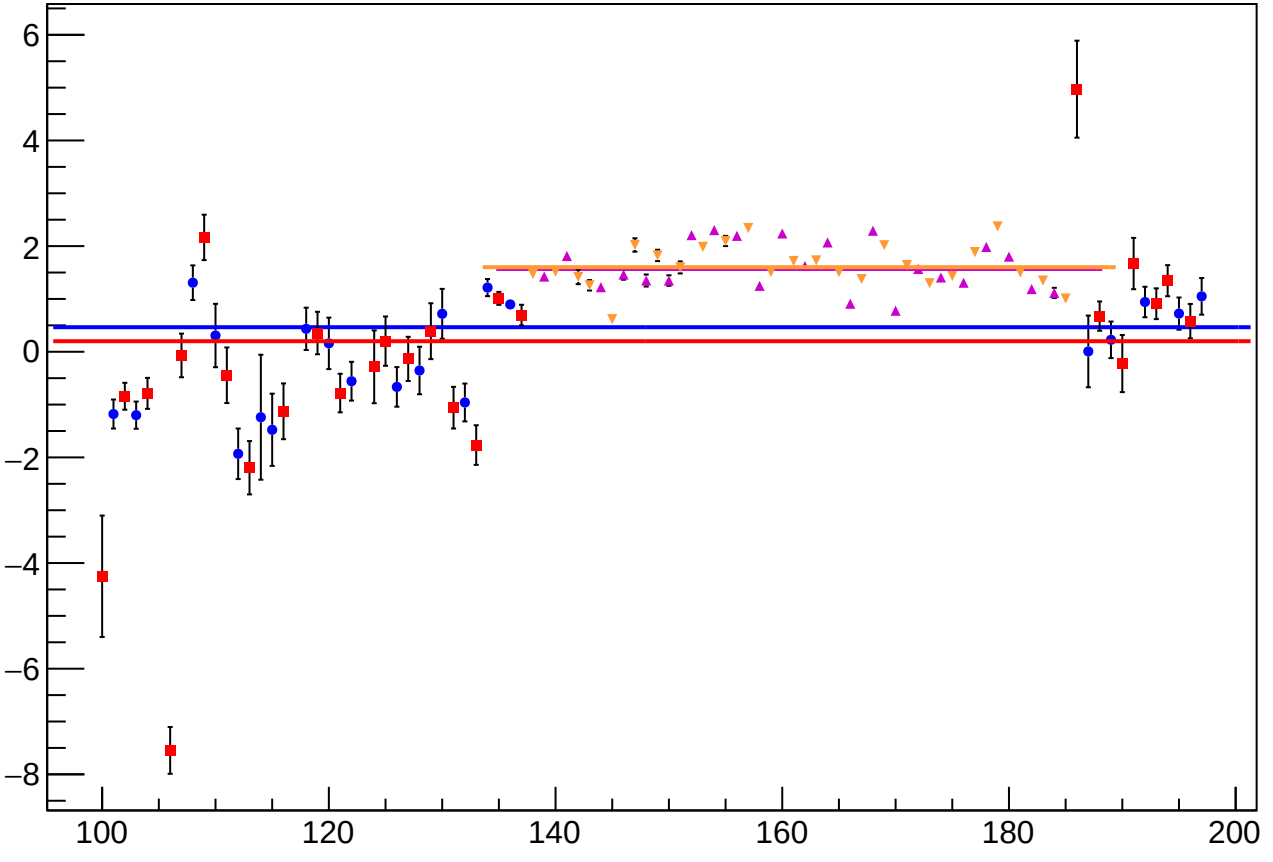
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -147.482+/-0.343 χ^2/NDF: 2784.9/45

All: -146.996+/-0.247 χ^2/NDF: 6669.4/94

- sign -146.474+/-0.355 χ^2/NDF: 3880.3/48

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.465+/-0.060 χ^2/NDF: 205.3/20

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.200+/-0.064 χ^2/NDF: 559.5/25

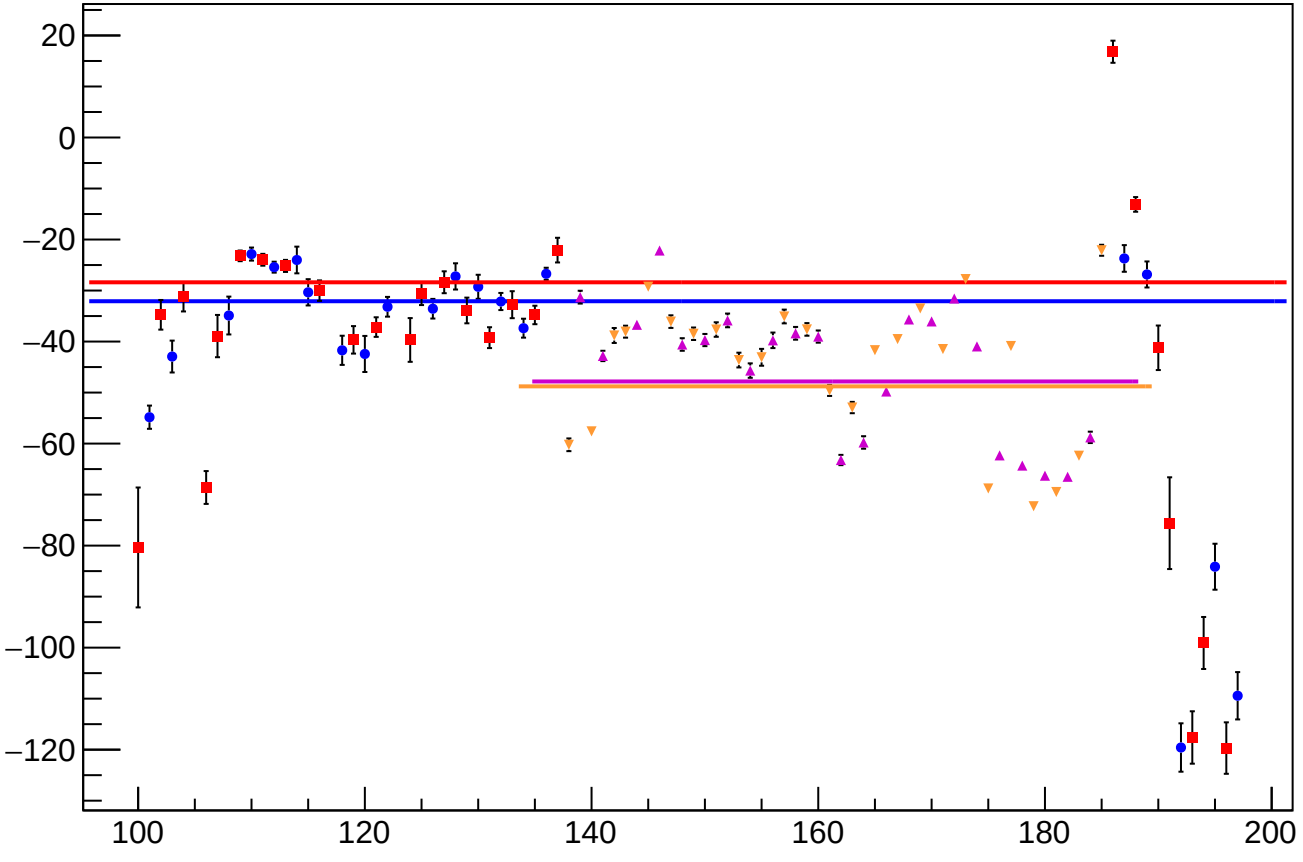
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

\+ sign 1.525+/-0.015 χ^2/NDF: 1123.9/45

All: 1.504+/-0.011 χ^2/NDF: 2853.6/94

\- sign 1.483+/-0.016 χ^2/NDF: 1726.0/48

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -32.095+/-0.447 χ^2/NDF: 1033.7/20

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -28.386+/-0.415 χ^2/NDF: 1741.9/25

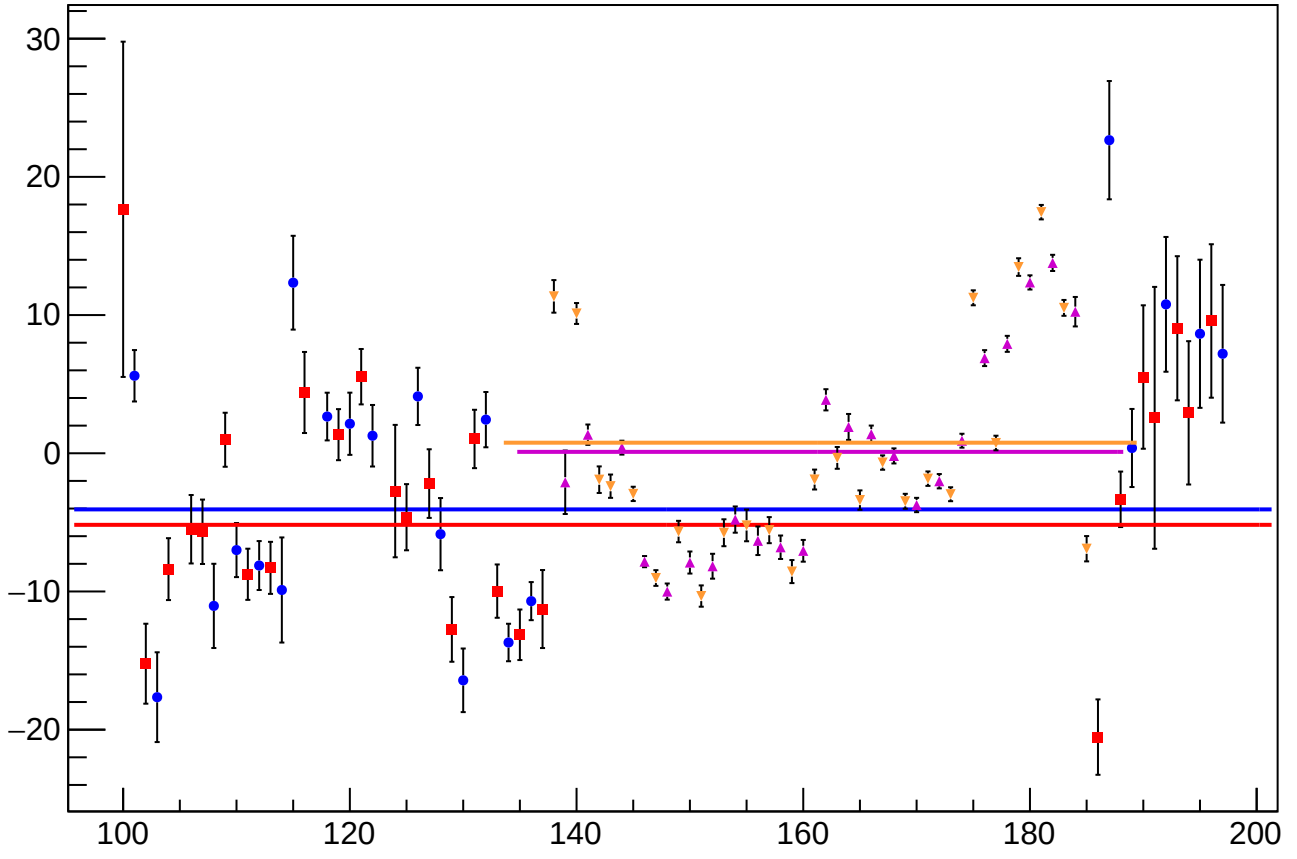
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.743+/-0.156 χ^2/NDF: 11212.0/45

All: -45.892+/-0.111 χ^2/NDF: 22114.4/94

- sign -45.031+/-0.157 χ^2/NDF: 10842.8/48

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.061+/-0.491 χ^2/NDF: 302.0/20

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.179+/-0.489 χ^2/NDF: 190.9/25

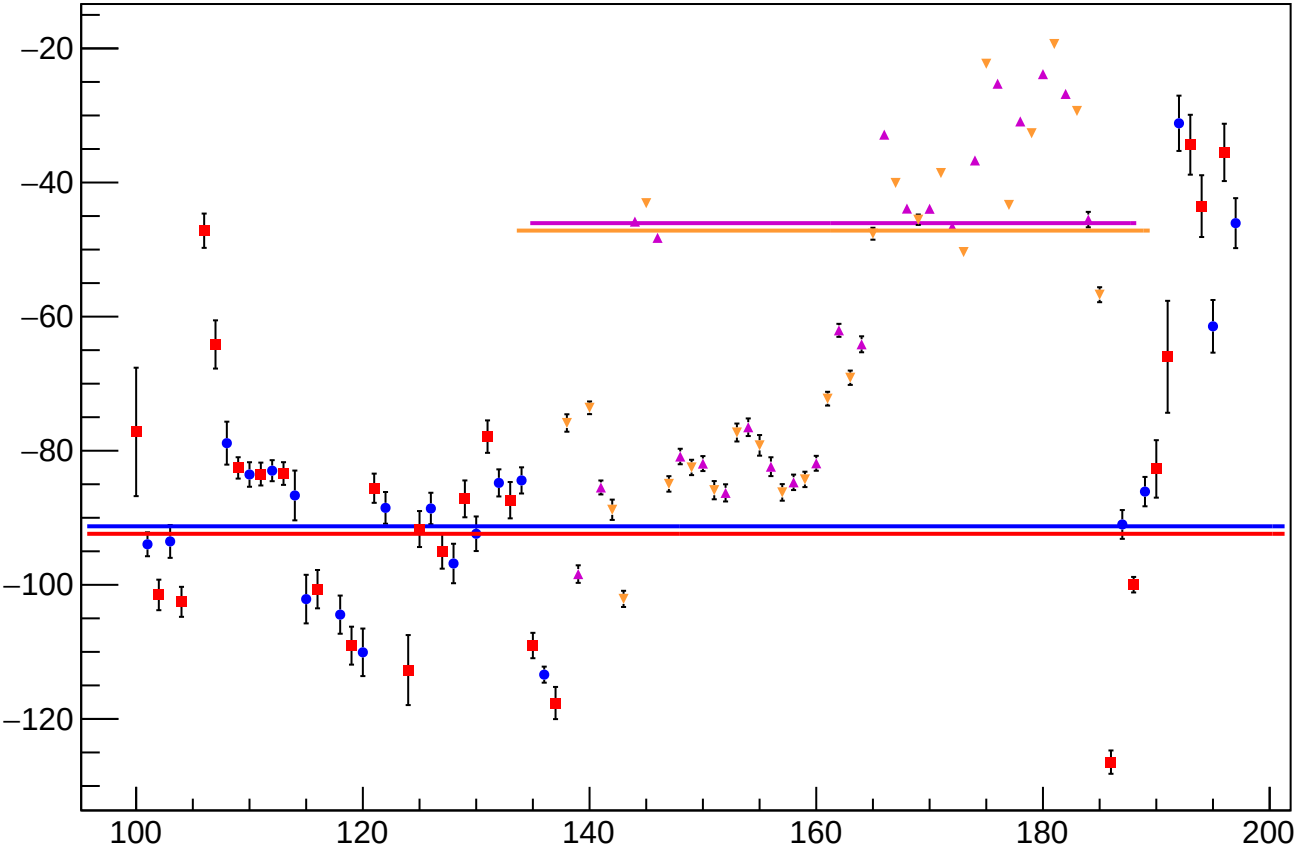
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.439+/-0.128 χ^2/NDF: 3859.3/45

All: 0.090+/-0.091 χ^2/NDF: 6895.7/94

- sign -0.262+/-0.128 χ^2/NDF: 3021.3/48

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -91.271+/-0.495 χ^2/NDF: 917.9/20

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -92.390+/-0.462 χ^2/NDF: 1706.2/25

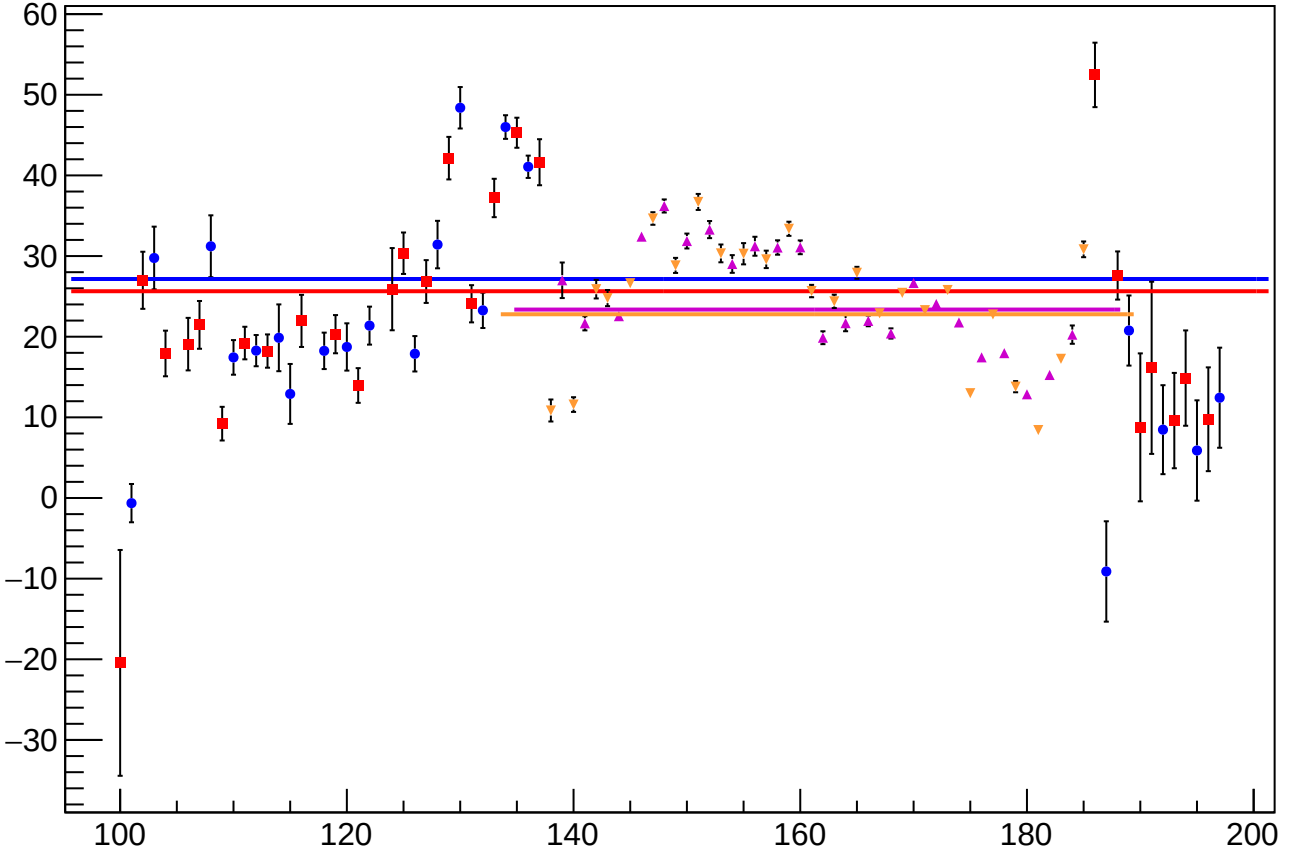
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.707+/-0.159 χ^2/NDF: 25709.7/45

All: -51.652+/-0.113 χ^2/NDF: 51047.6/94

- sign -51.596+/-0.160 χ^2/NDF: 25337.6/48

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 27.155+/-0.554 χ^2/NDF: 650.6/20

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.638+/-0.564 χ^2/NDF: 421.1/25

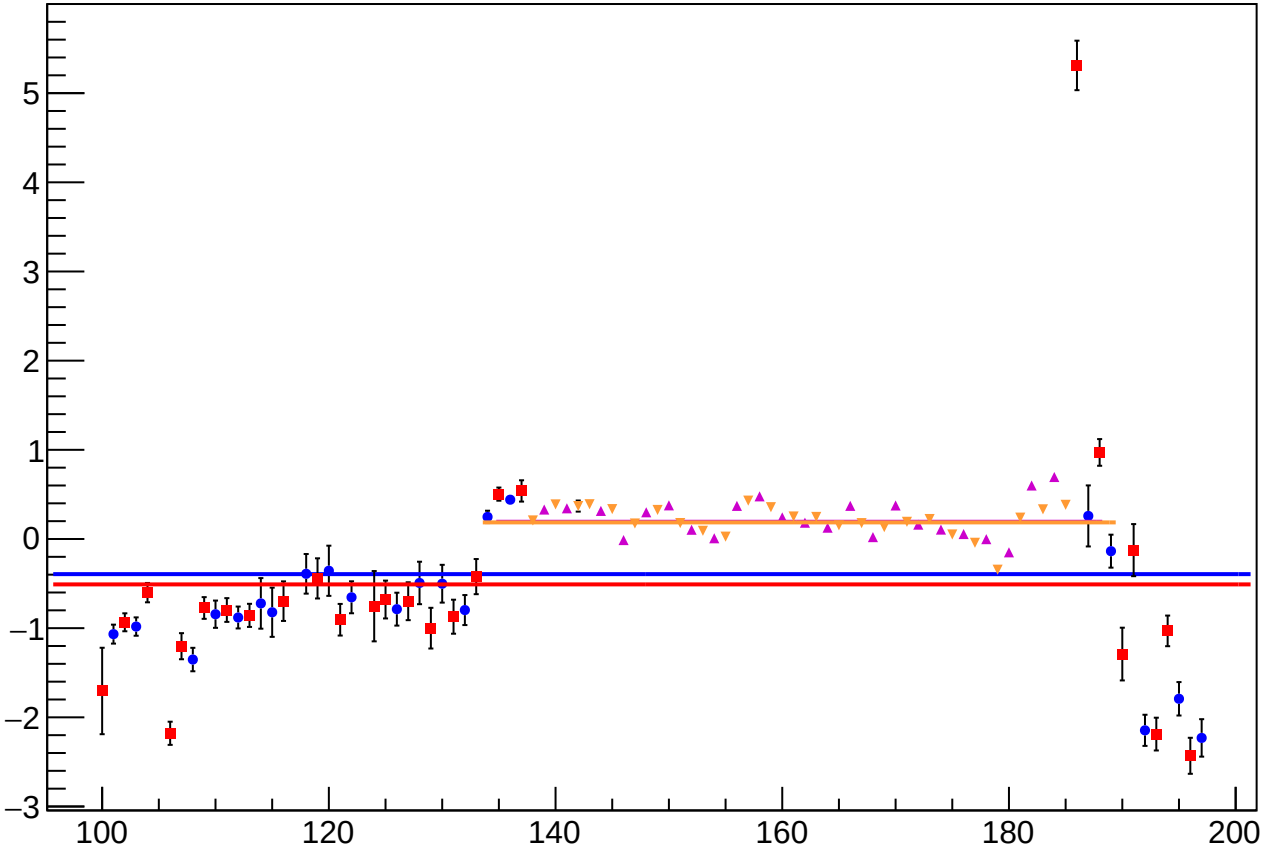
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.070+/-0.142 χ^2/NDF: 3121.7/45

All: 23.290+/-0.101 χ^2/NDF: 5348.1/94

- sign 23.514+/-0.144 χ^2/NDF: 2221.7/48

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.394+/-0.029 χ^2/NDF: 708.7/20

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.509+/-0.030 χ^2/NDF: 1240.1/25

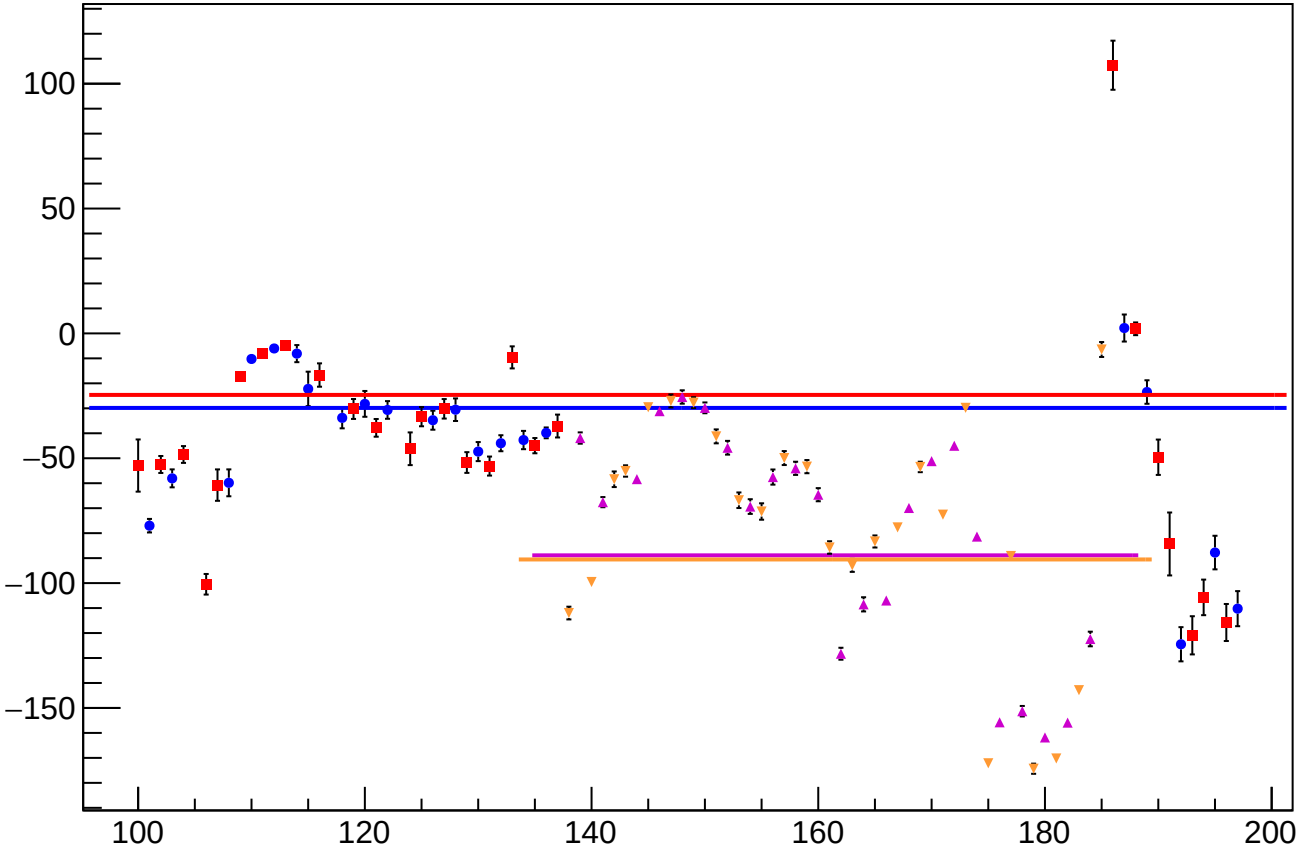
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.158+/-0.006 χ^2/NDF: 1734.6/45

All: 0.159+/-0.005 χ^2/NDF: 4428.3/94

- sign 0.161+/-0.007 χ^2/NDF: 2693.6/48

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -29.847+/-0.702 χ^2/NDF: 1334.1/20

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -24.636+/-0.630 χ^2/NDF: 1752.0/25

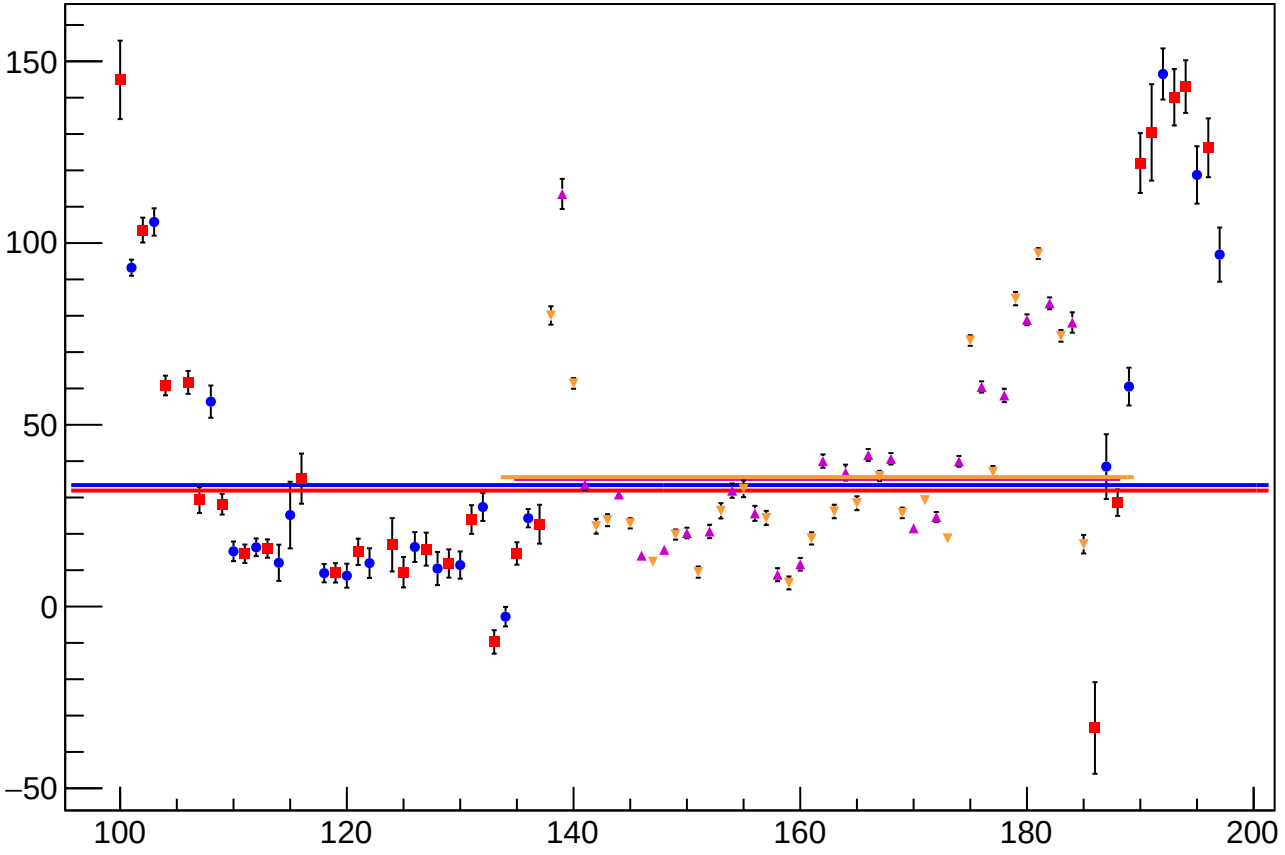
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.449+/-0.361 χ^2/NDF: 22192.8/45

All: -71.278+/-0.254 χ^2/NDF: 42964.7/94

- sign -68.168+/-0.358 χ^2/NDF: 20619.3/48

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 33.412+/-0.781 χ^2/NDF: 2162.7/20

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 31.914+/-0.761 χ^2/NDF: 1980.4/25

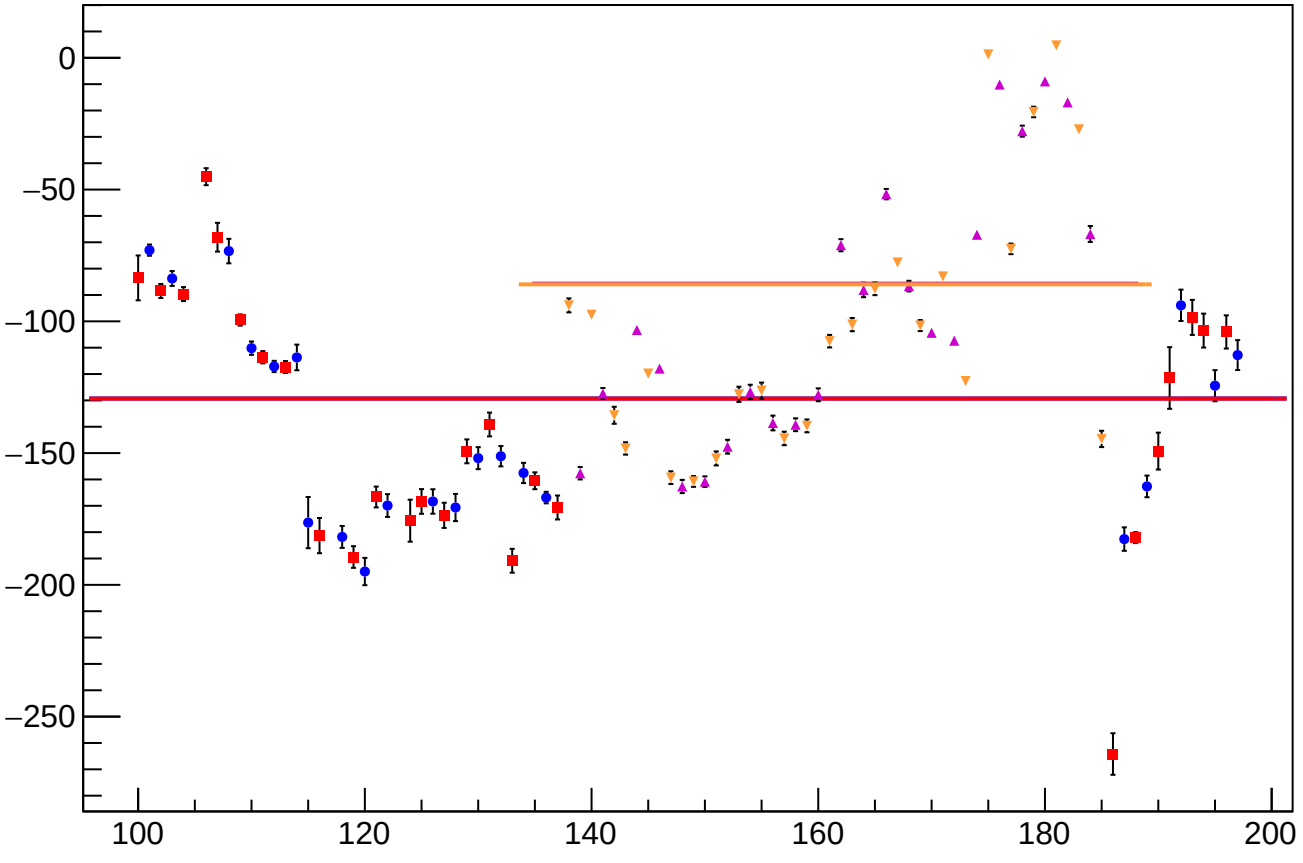
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.286+/-0.301 χ^2/NDF: 8142.5/45

All: 34.945+/-0.215 χ^2/NDF: 14284.7/94

- sign 34.589+/-0.308 χ^2/NDF: 6139.6/48

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -129.266+/-0.778 χ^2/NDF: 2438.2/20

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -129.333+/-0.721 χ^2/NDF: 3513.0/25

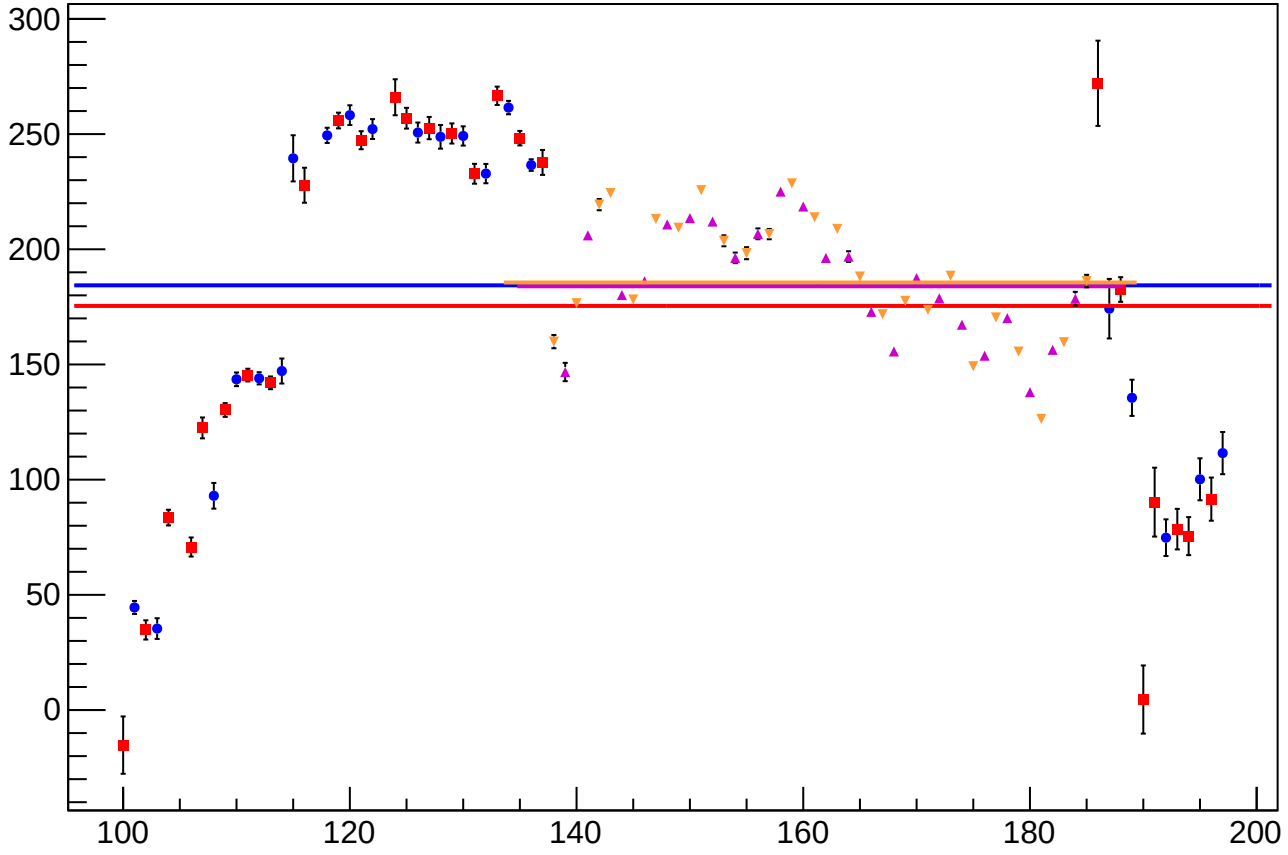
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.765+/-0.370 χ^2/NDF: 21065.7/45

All: -96.502+/-0.262 χ^2/NDF: 41036.8/94

- sign -97.243+/-0.371 χ^2/NDF: 19963.1/48

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 184.349+/-0.895 χ^2/NDF: 7512.2/20

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 175.422+/-0.878 χ^2/NDF: 7226.8/25

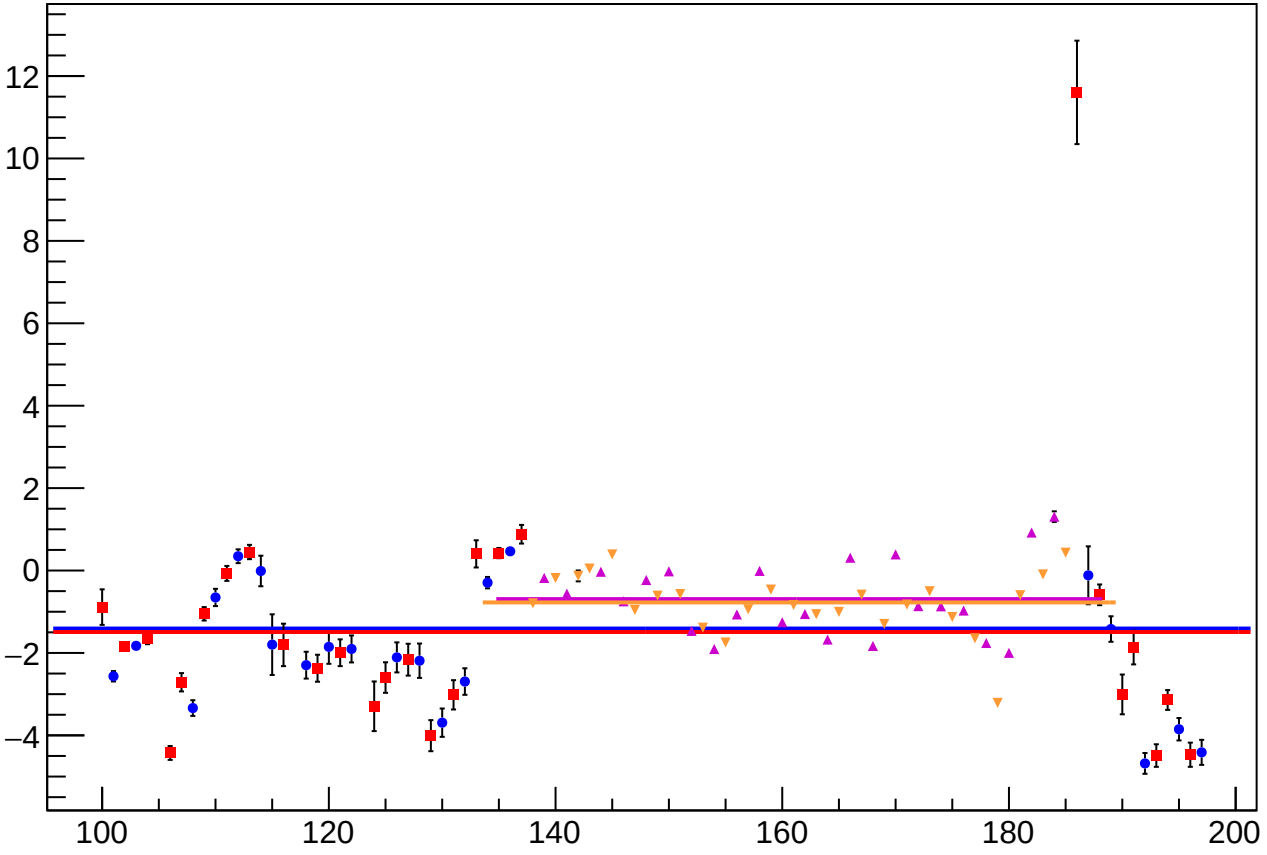
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.406+/-0.339 χ^2/NDF: 12868.6/45

All: 184.038+/-0.243 χ^2/NDF: 24081.6/94

- sign 182.609+/-0.347 χ^2/NDF: 11179.8/48

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.408+/-0.045 χ^2/NDF: 1167.9/20

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.491+/-0.044 χ^2/NDF: 1419.1/25

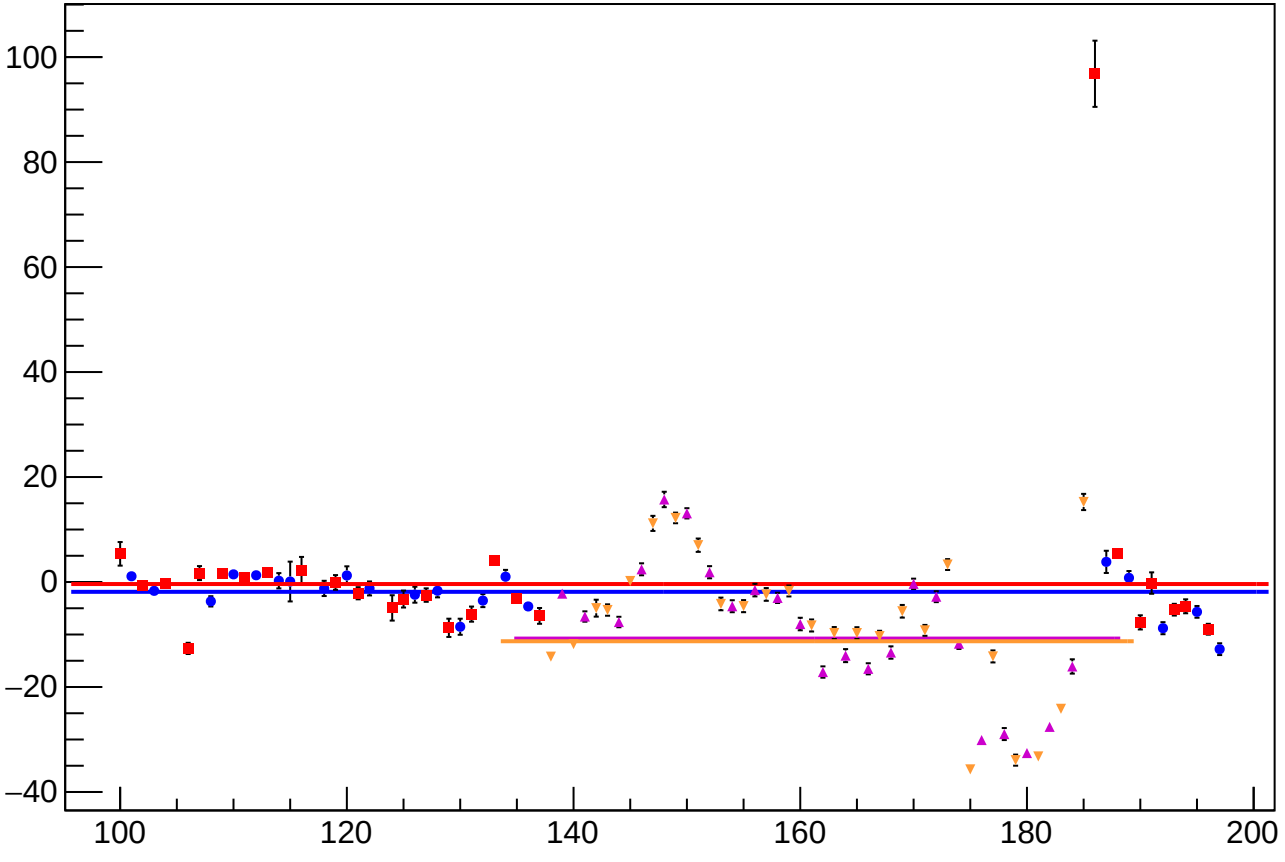
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.848+/-0.015 χ^2/NDF: 3163.5/45

All: -0.821+/-0.011 χ^2/NDF: 7439.1/94

- sign -0.794+/-0.016 χ^2/NDF: 4269.7/48

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.869+/-0.231 χ^2/NDF: 270.0/20

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.385+/-0.197 χ^2/NDF: 737.3/25

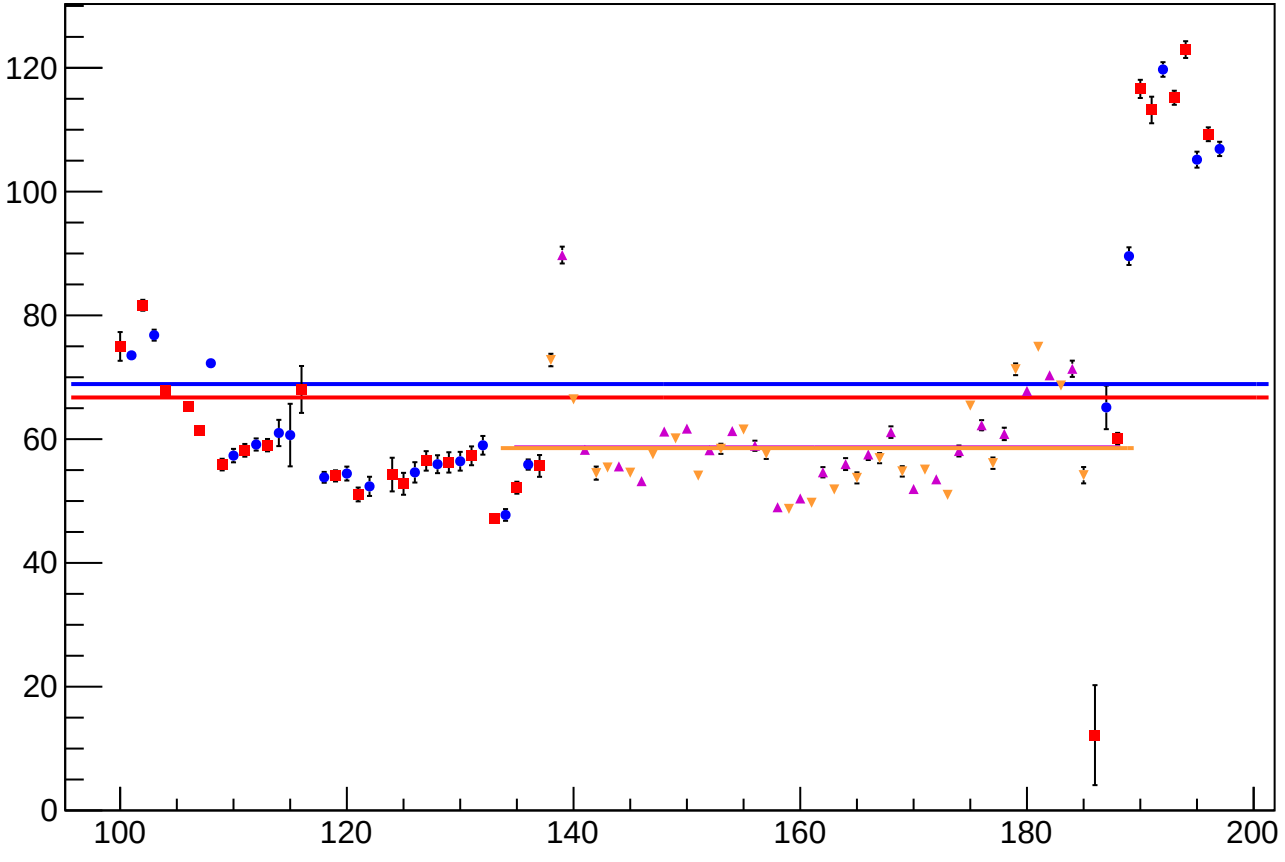
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -7.066+/-0.155 χ^2/NDF: 5688.2/45

All: -6.057+/-0.106 χ^2/NDF: 11484.0/94

- sign -5.171+/-0.145 χ^2/NDF: 5715.8/48

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 68.899+/-0.244 χ^2/NDF: 5898.7/20

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 66.735+/-0.219 χ^2/NDF: 9068.1/25

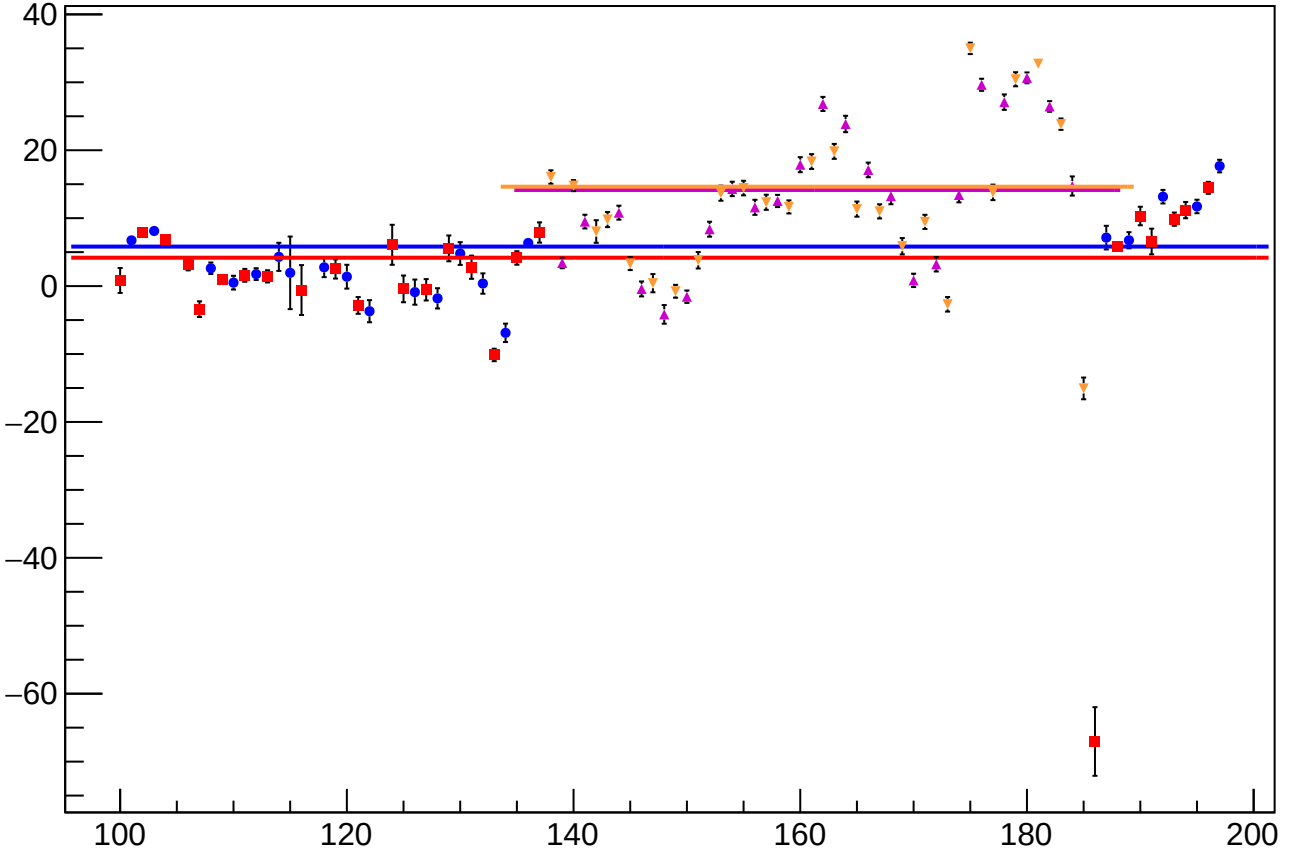
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 61.699+/-0.134 χ^2/NDF: 9056.0/45

All: 61.683+/-0.095 χ^2/NDF: 20586.5/94

- sign 61.666+/-0.134 χ^2/NDF: 11530.4/48

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 5.817+/-0.233 χ^2/NDF: 519.4/20

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 4.180+/-0.203 χ^2/NDF: 867.8/25

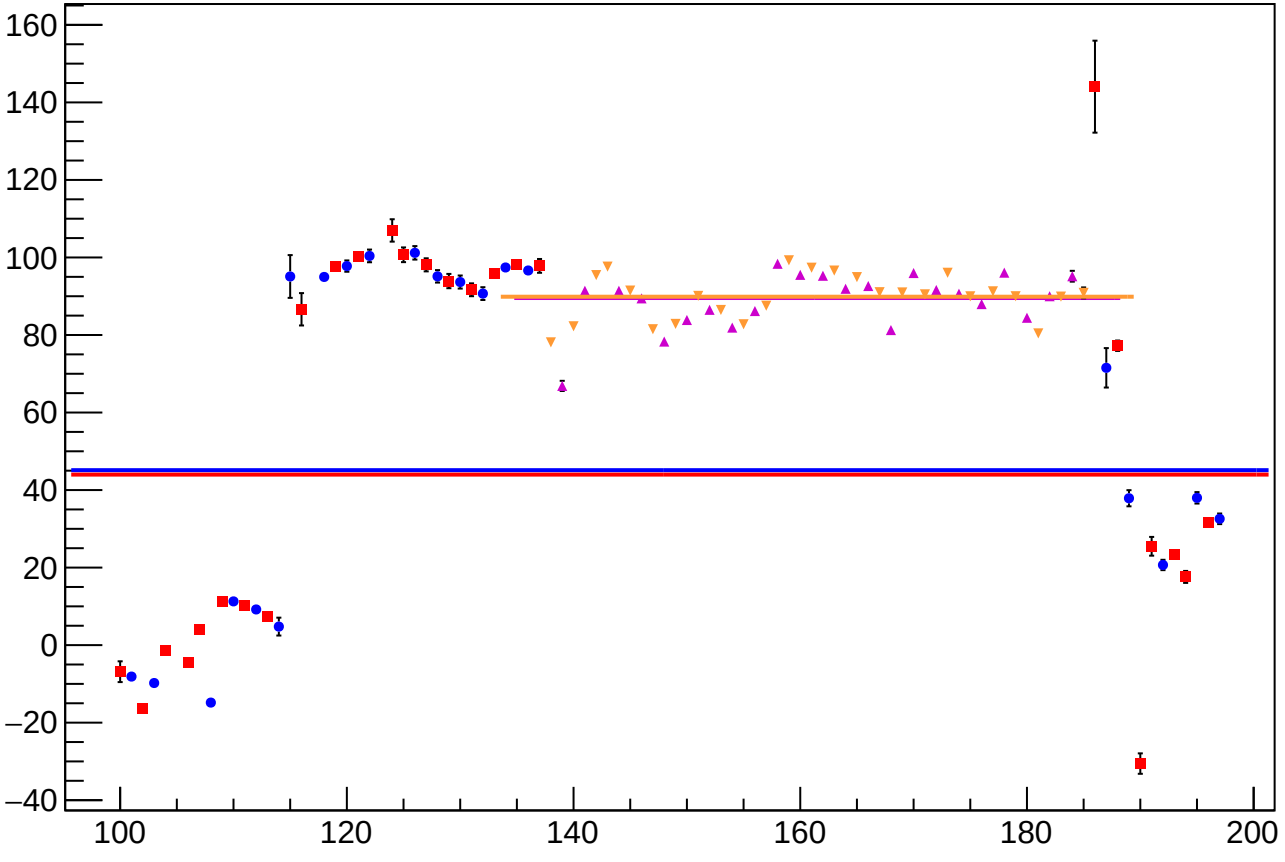
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.750+/-0.155 χ^2/NDF: 4283.0/45

All: 9.804+/-0.106 χ^2/NDF: 8921.7/94

- sign 8.957+/-0.146 χ^2/NDF: 4567.7/48

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 45.131+/-0.284 χ^2/NDF: 27425.7/20

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 43.989+/-0.259 χ^2/NDF: 31132.1/25

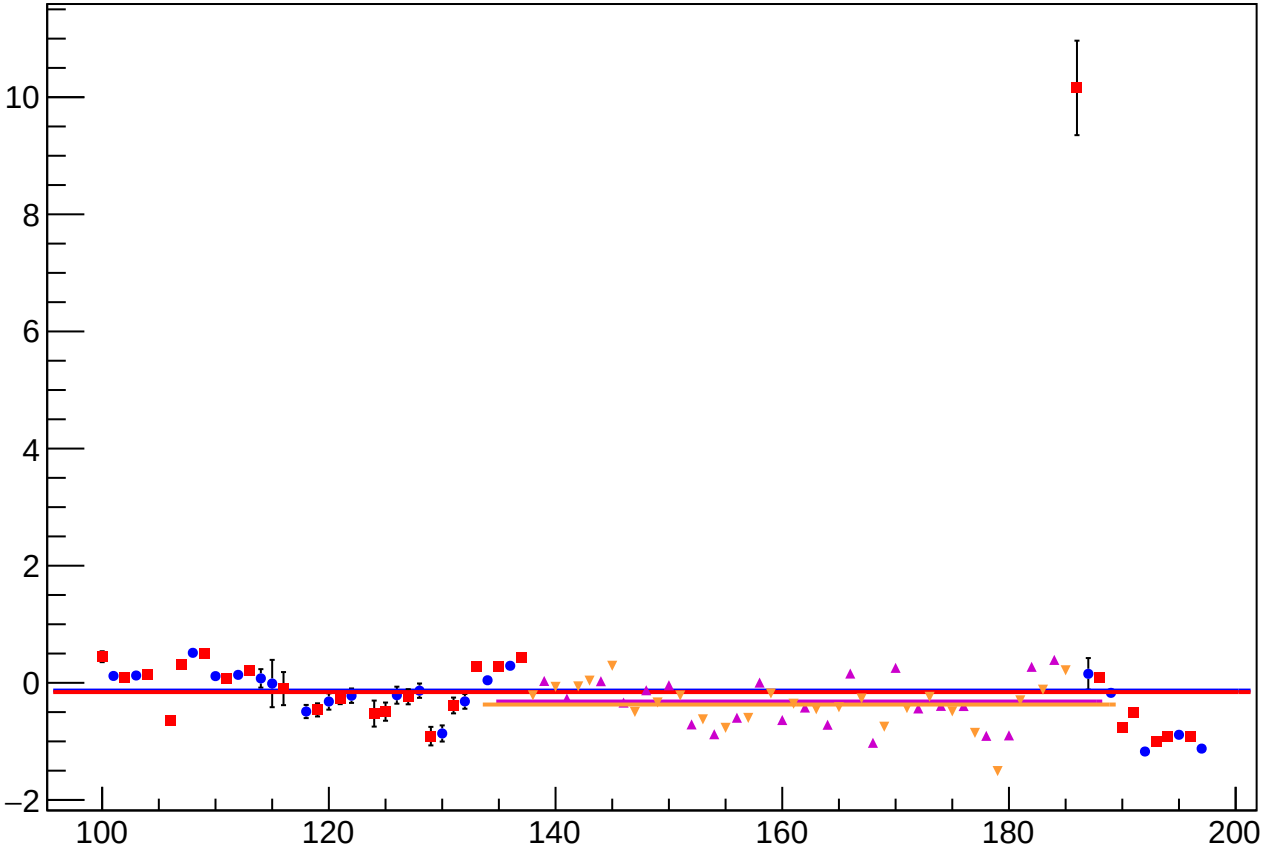
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 76.975+/-0.153 χ^2/NDF: 46104.9/45

All: 75.432+/-0.108 χ^2/NDF: 98789.4/94

- sign 73.904+/-0.152 χ^2/NDF: 52481.3/48

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.132+/-0.012 χ^2/NDF: 2169.7/20

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.158+/-0.011 χ^2/NDF: 2264.3/25

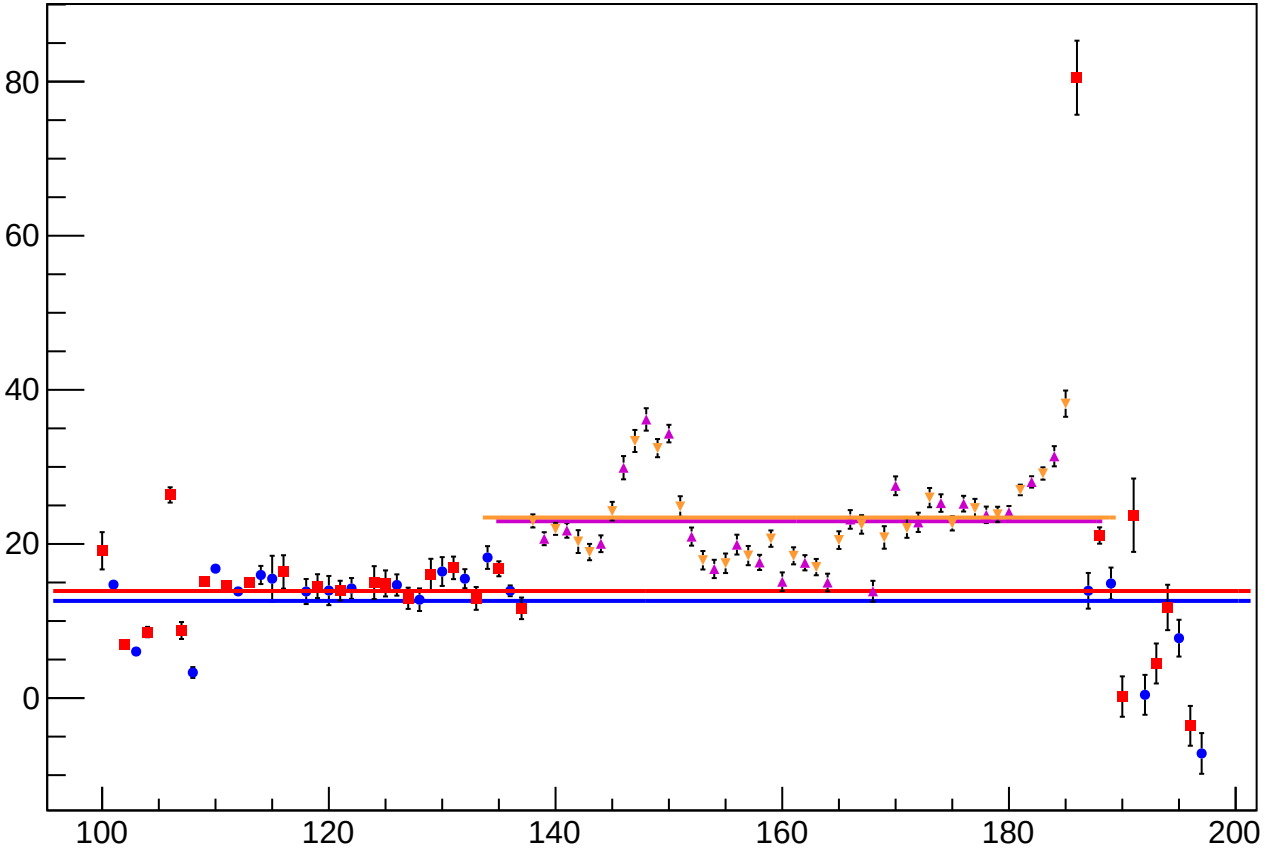
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.298+/-0.007 χ^2/NDF: 4208.8/45

All: -0.281+/-0.005 χ^2/NDF: 9062.8/94

- sign -0.264+/-0.007 χ^2/NDF: 4841.2/48

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.610+/-0.210 χ^2/NDF: 473.0/20

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.895+/-0.198 χ^2/NDF: 733.9/25

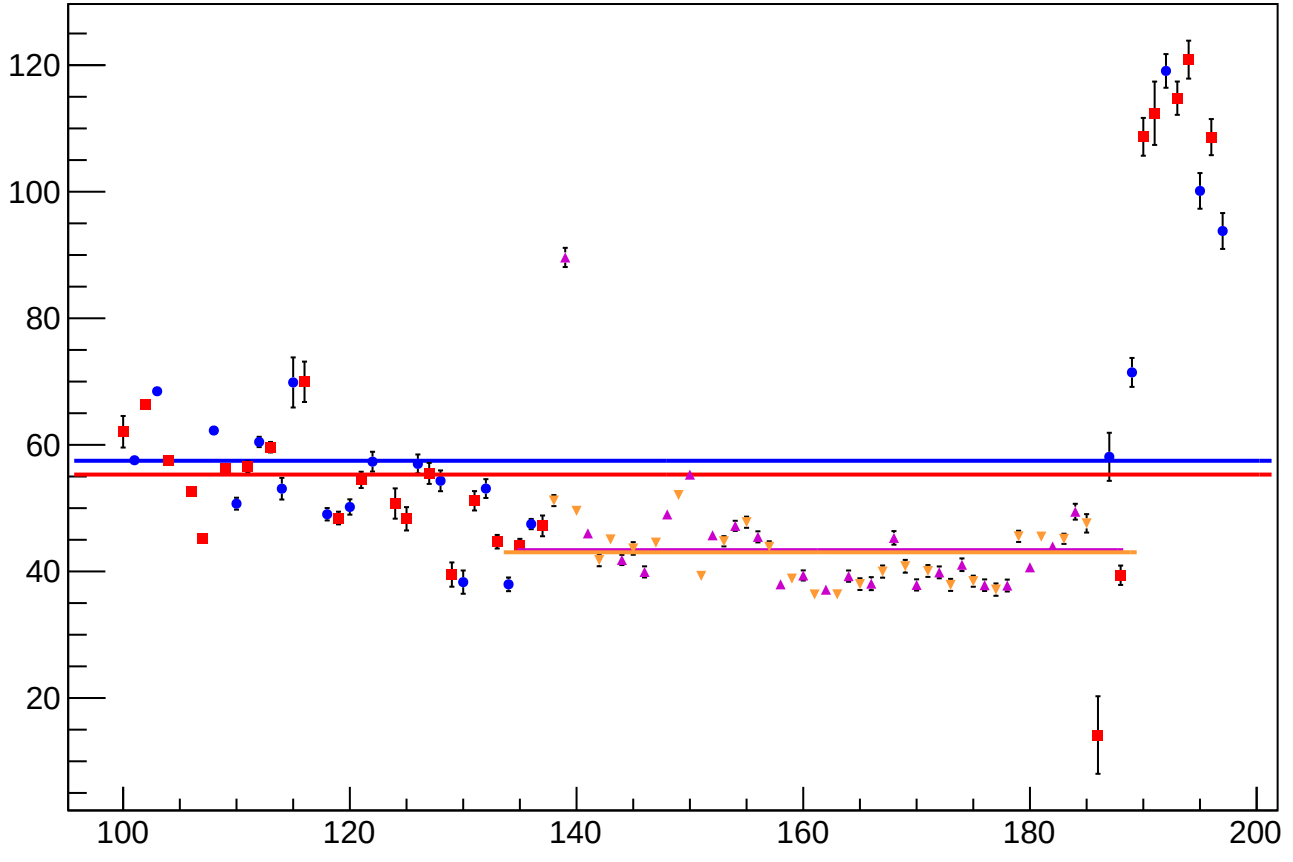
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.868+/-0.150 χ^2/NDF: 2192.9/45

All: 17.852+/-0.106 χ^2/NDF: 4403.4/94

- sign 17.836+/-0.149 χ^2/NDF: 2210.5/48

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 57.487+/-0.218 χ^2/NDF: 2076.6/20

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 55.306+/-0.219 χ^2/NDF: 2973.6/25

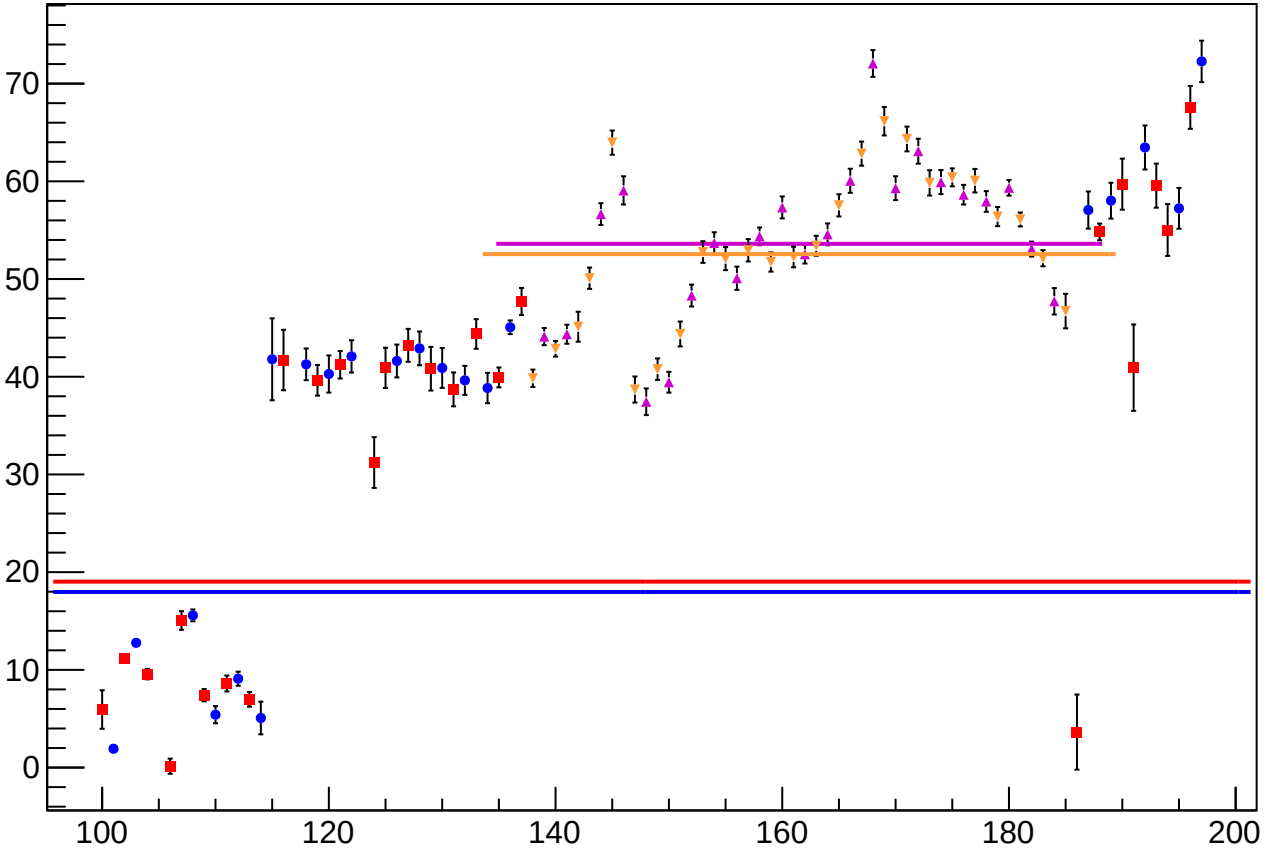
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 48.377+/-0.133 χ^2/NDF: 5619.9/45

All: 48.233+/-0.096 χ^2/NDF: 12076.7/94

- sign 48.078+/-0.138 χ^2/NDF: 6454.4/48

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 17.973+/-0.208 χ^2/NDF: 7615.5/20

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 19.030+/-0.208 χ^2/NDF: 7202.3/25

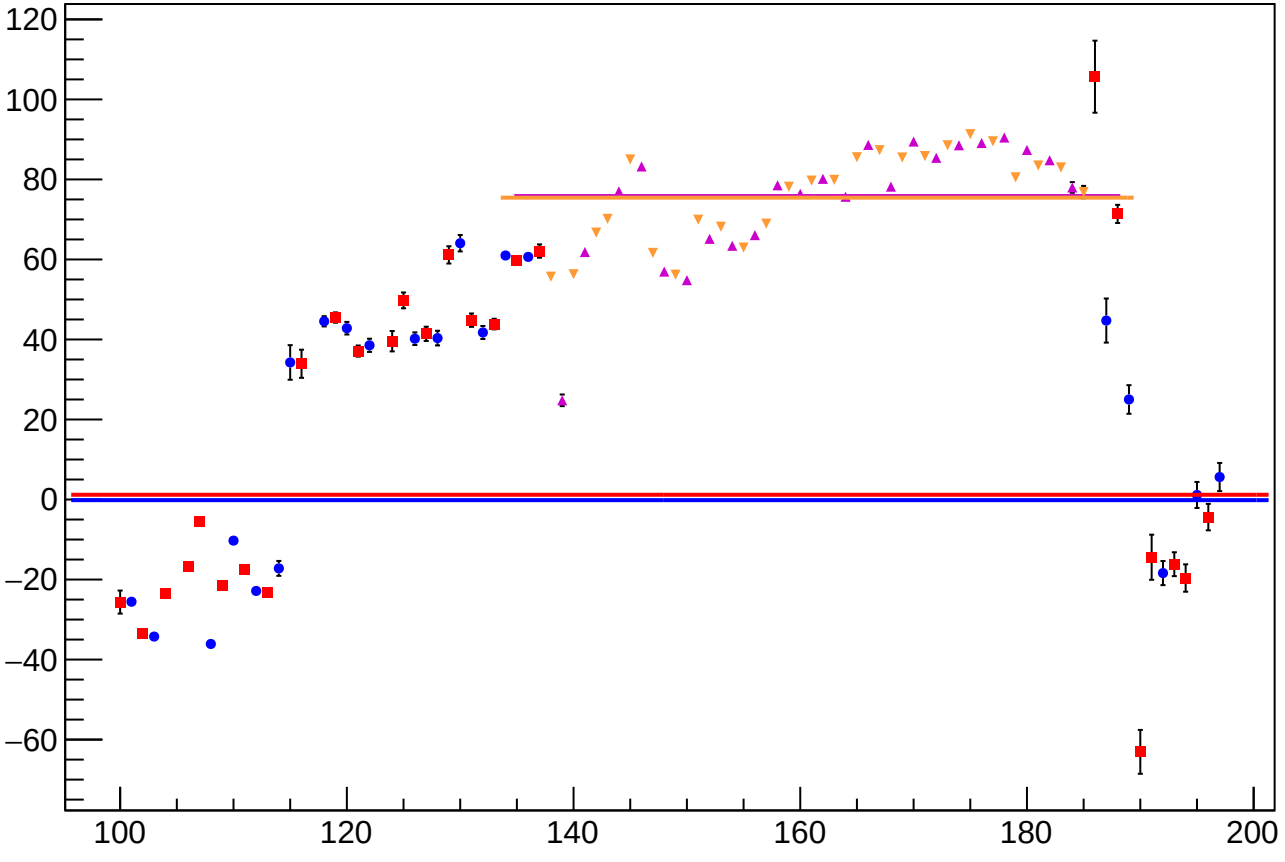
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.744+/-0.149 χ^2/NDF: 22173.1/45

All: 34.950+/-0.107 χ^2/NDF: 43228.9/94

- sign 35.163+/-0.152 χ^2/NDF: 21052.0/48

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.158+/-0.258 χ^2/NDF: 21186.5/20

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.191+/-0.259 χ^2/NDF: 17341.3/25

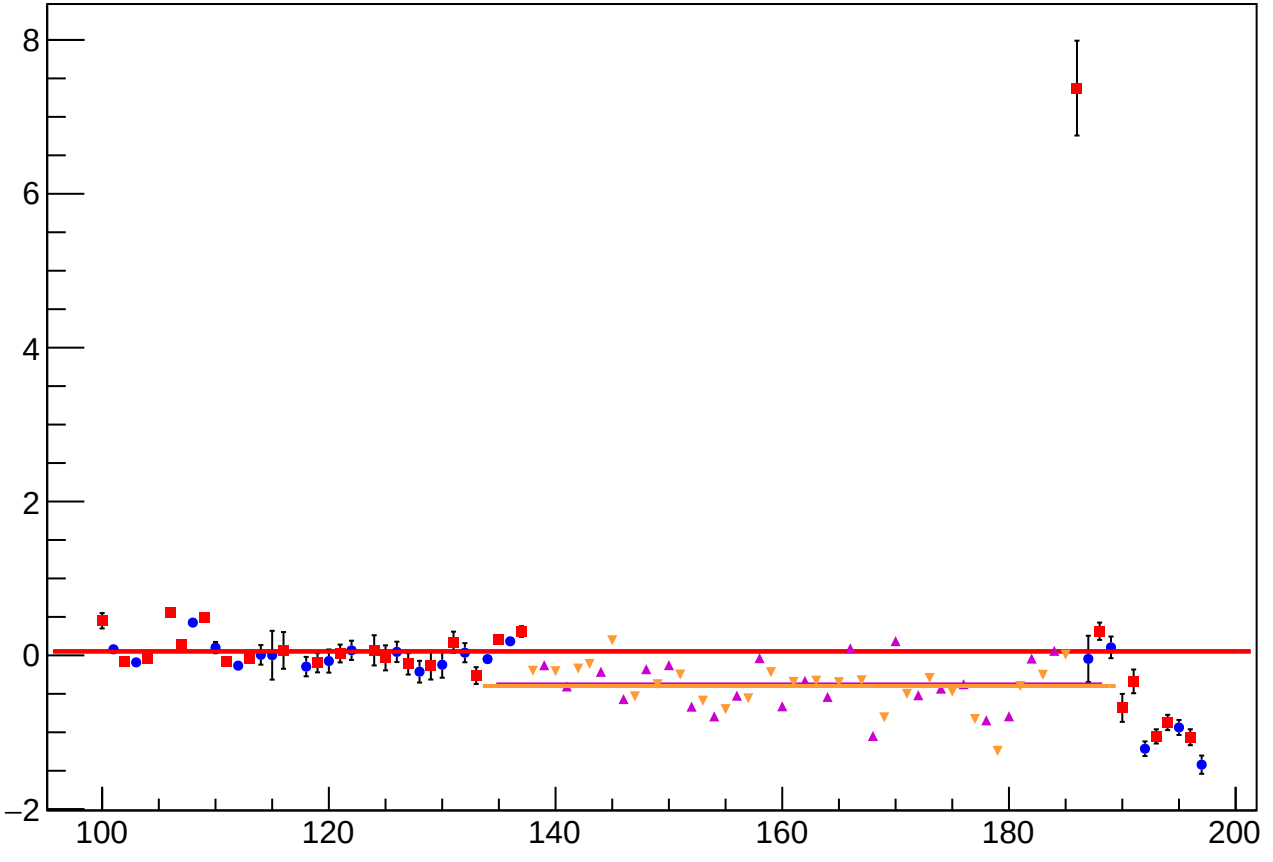
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.154+/-0.152 χ^2/NDF: 80698.0/45

All: 48.783+/-0.109 χ^2/NDF: 154994.2/94

- sign 48.388+/-0.157 χ^2/NDF: 74283.9/48

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.053+/-0.011 χ^2/NDF: 749.8/20

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.049+/-0.011 χ^2/NDF: 924.4/25

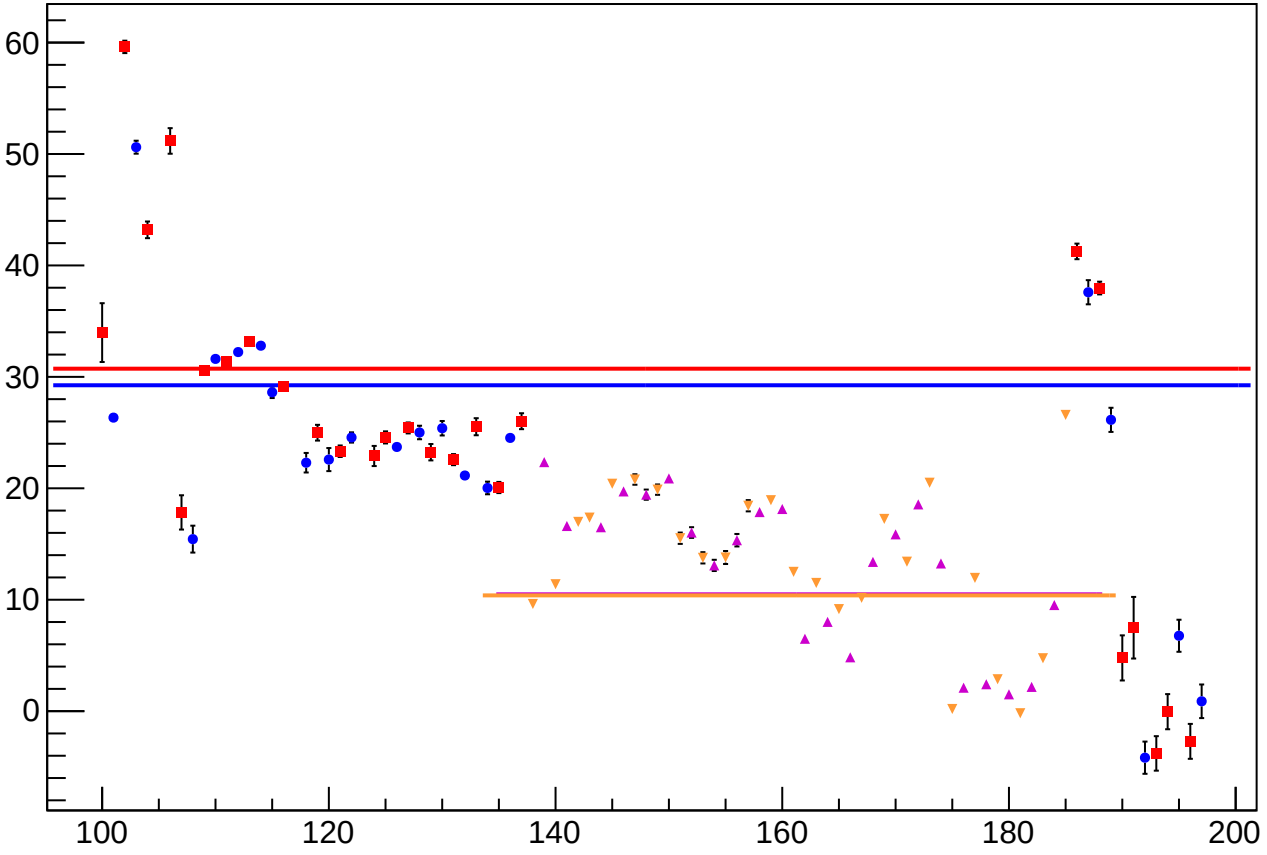
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.231+/-0.007 χ^2/NDF: 2846.5/45

All: -0.224+/-0.005 χ^2/NDF: 6050.3/94

- sign -0.217+/-0.007 χ^2/NDF: 3201.6/48

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.247+/-0.091 χ^2/NDF: 4582.8/20

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.734+/-0.078 χ^2/NDF: 7036.1/25

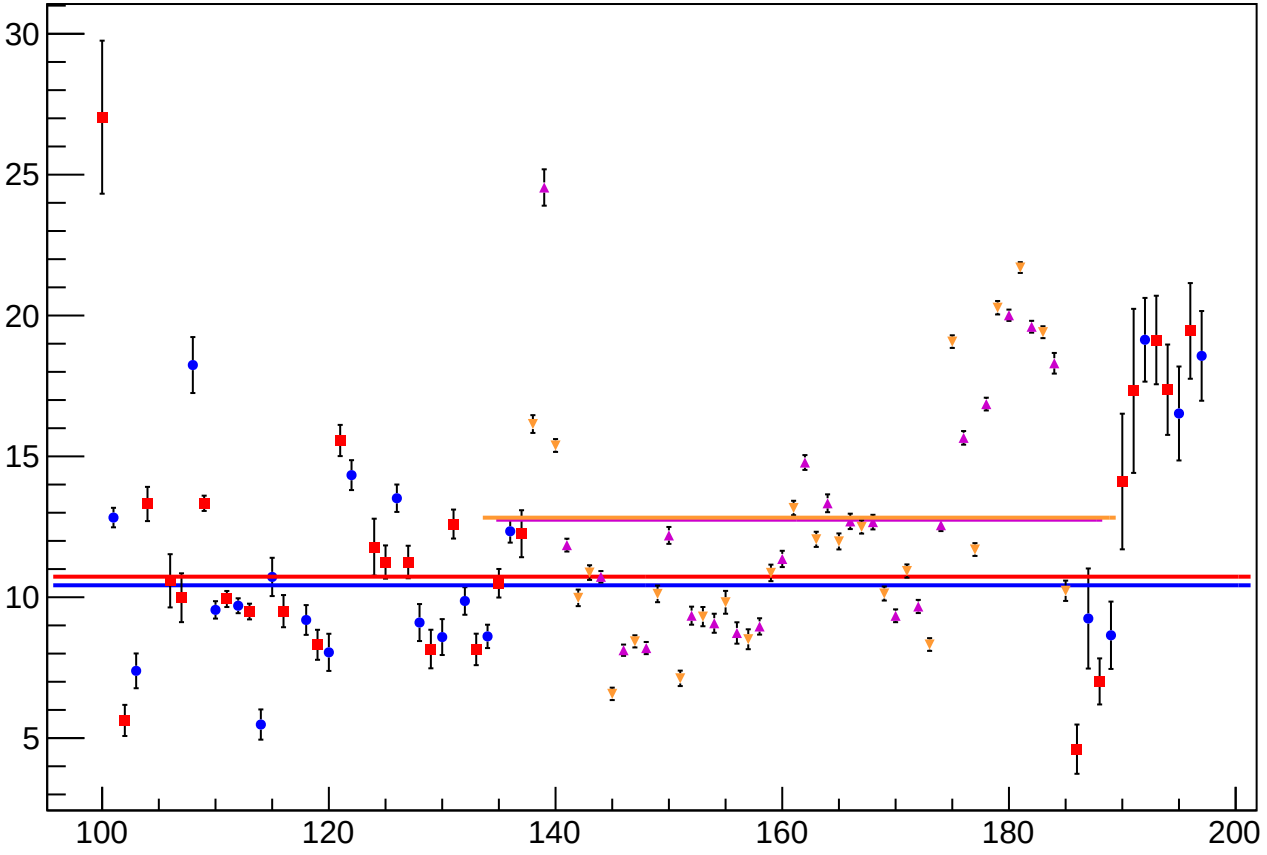
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.668+/-0.052 χ^2/NDF: 47163.9/45

All: 17.864+/-0.036 χ^2/NDF: 105314.5/94

- sign 18.992+/-0.051 χ^2/NDF: 57136.9/48

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.424+/-0.112 χ^2/NDF: 480.0/20

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.730+/-0.110 χ^2/NDF: 564.8/25

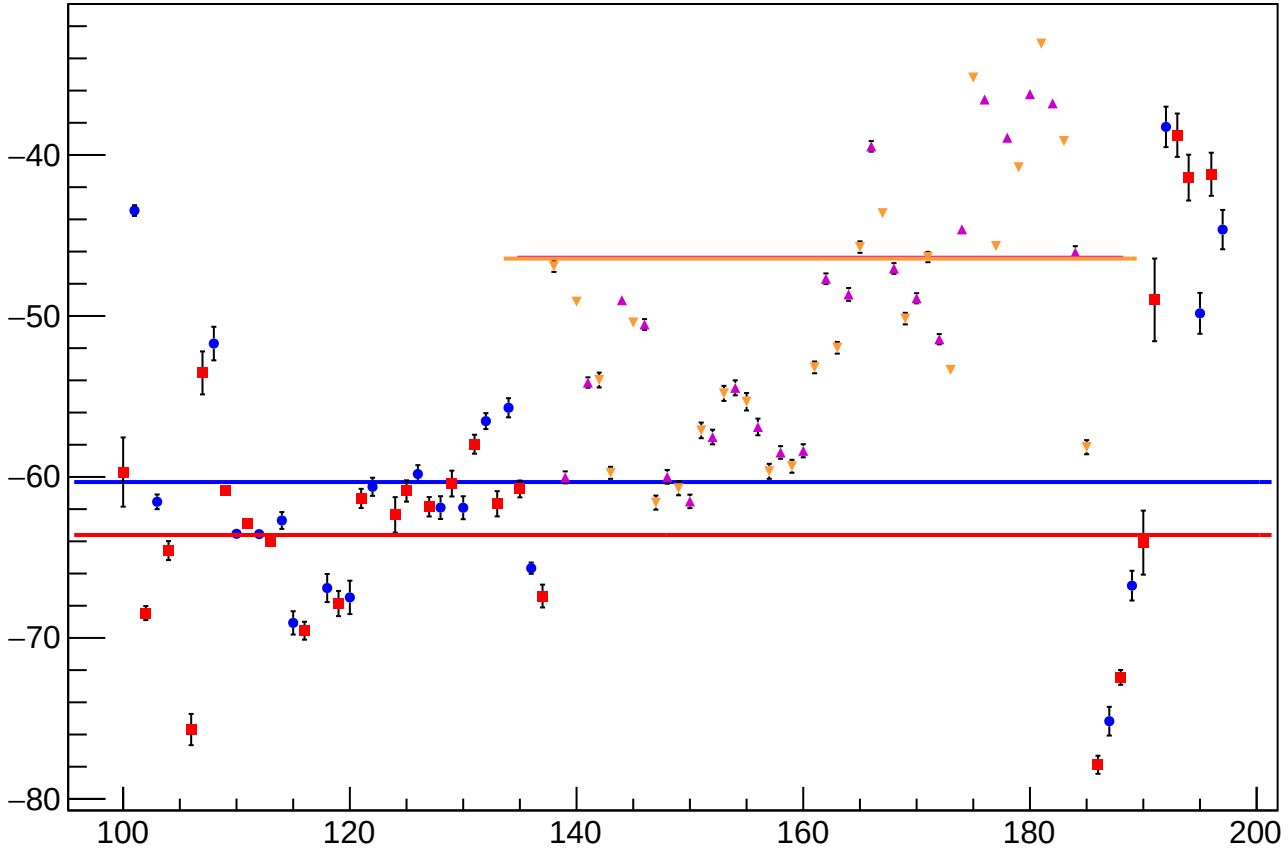
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.414+/-0.046 χ^2/NDF: 8874.8/45

All: 12.393+/-0.033 χ^2/NDF: 15217.1/94

- sign 12.372+/-0.048 χ^2/NDF: 6341.9/48

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.317+/-0.110 χ^2/NDF: 4464.8/20

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.606+/-0.102 χ^2/NDF: 2778.7/25

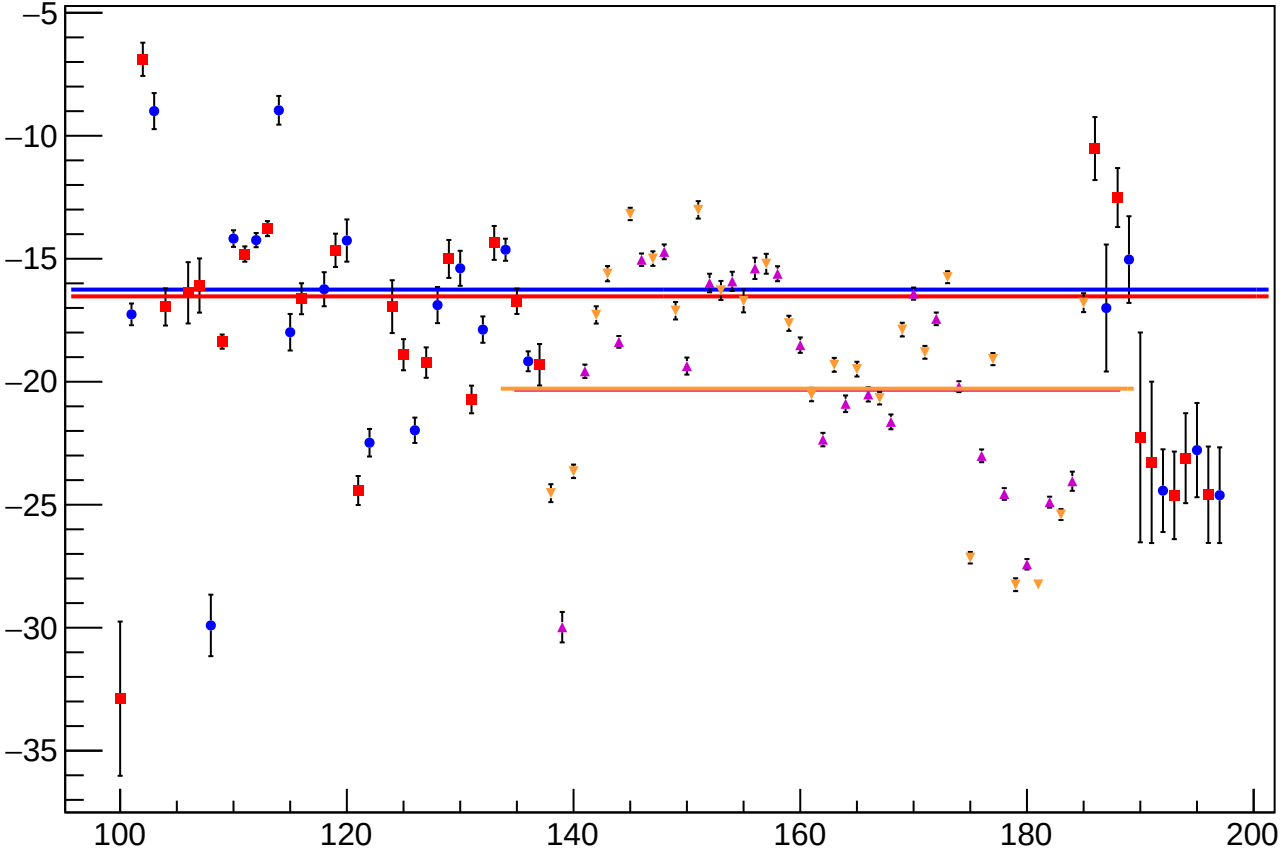
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.981+/-0.056 χ^2/NDF: 34495.0/45

All: -50.776+/-0.039 χ^2/NDF: 72818.5/94

- sign -51.578+/-0.056 χ^2/NDF: 37912.5/48

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.254+/-0.126 χ^2/NDF: 852.0/20

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.529+/-0.122 χ^2/NDF: 774.5/25

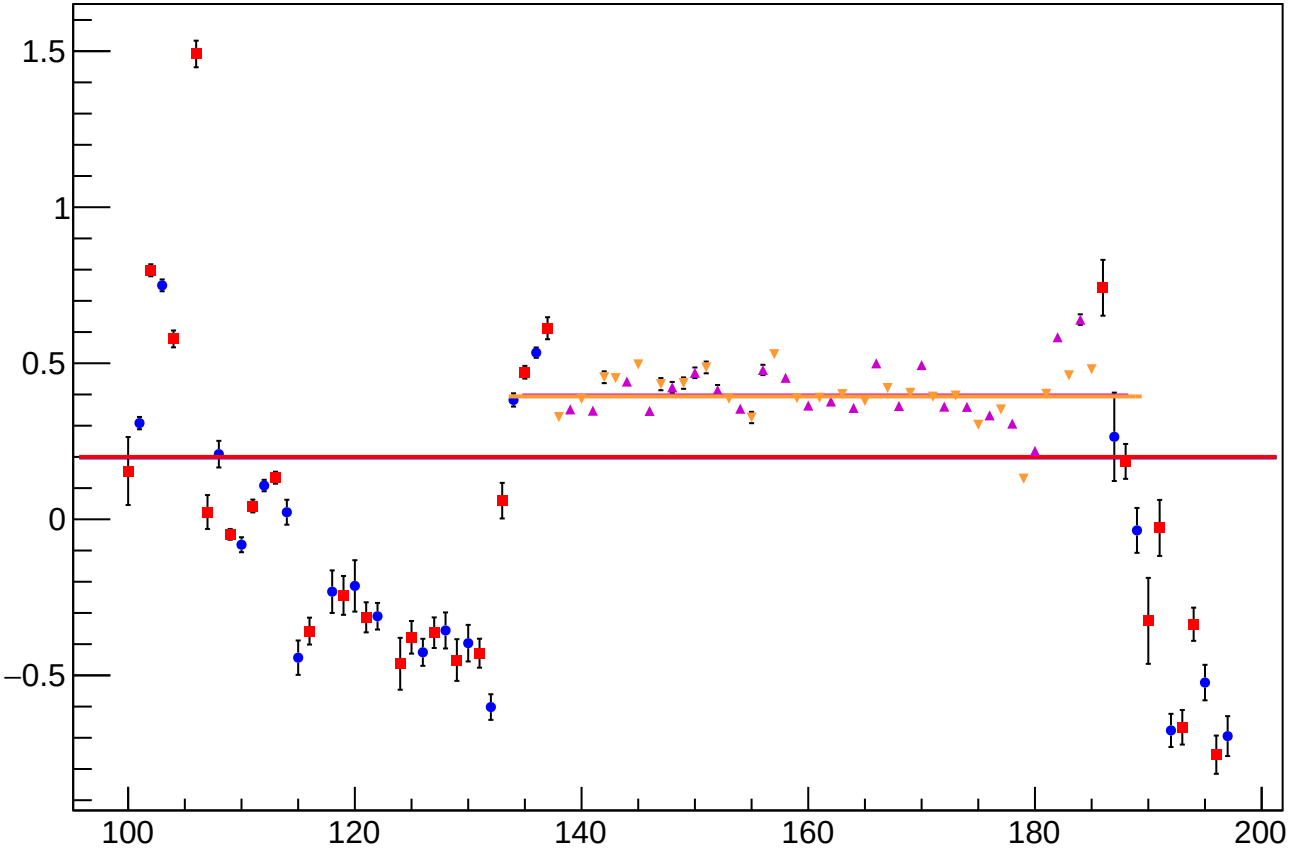
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.594+/-0.052 χ^2/NDF: 8721.7/45

All: -19.600+/-0.037 χ^2/NDF: 14548.2/94

- sign -19.608+/-0.053 χ^2/NDF: 5826.5/48

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.198+/-0.007 χ^2/NDF: 3300.7/20

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.200+/-0.007 χ^2/NDF: 4268.2/25

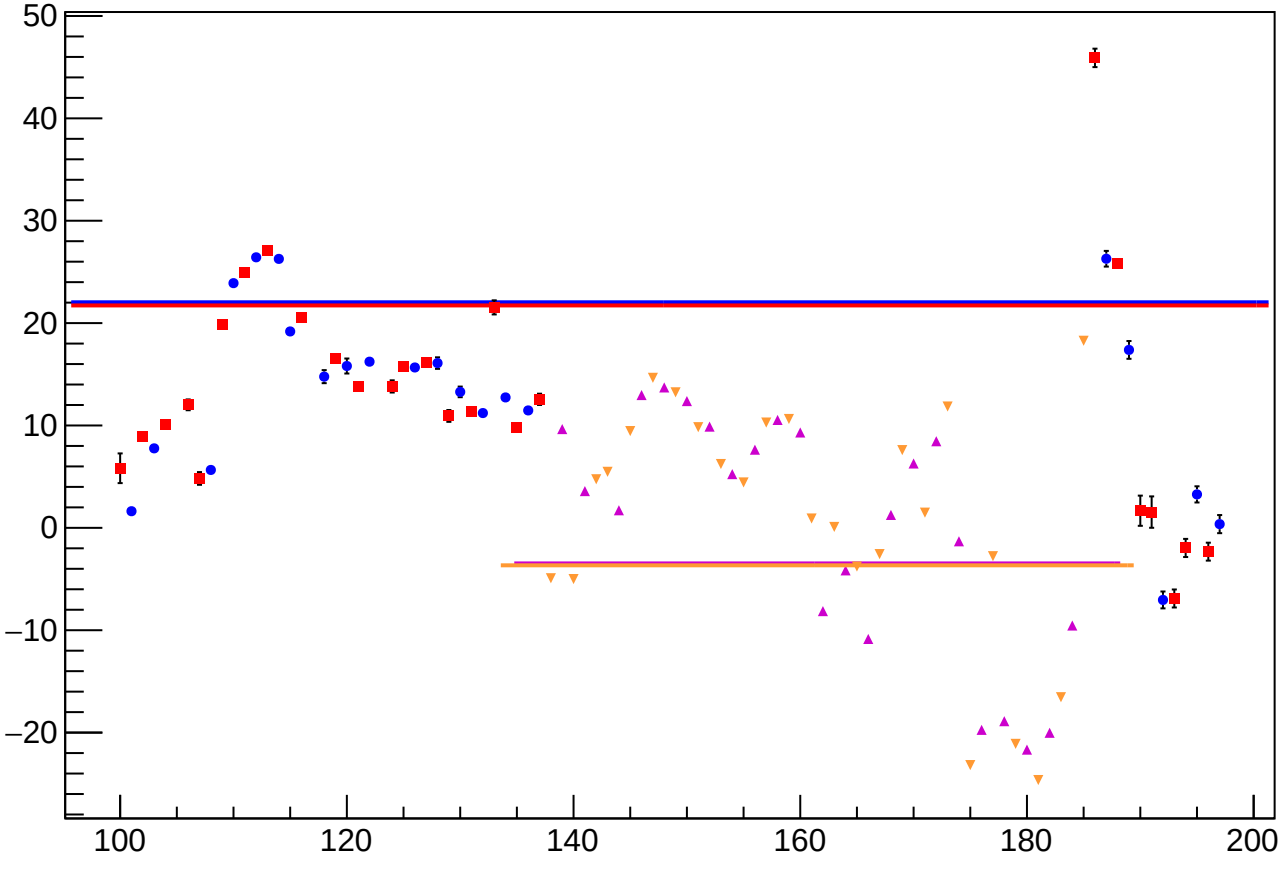
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

\+ sign 0.370+/-0.002 χ^2/NDF: 4959.1/45

All: 0.371+/-0.002 χ^2/NDF: 11245.8/94

\- sign 0.371+/-0.002 χ^2/NDF: 6286.6/48

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.032+/-0.056 χ^2/NDF: 14836.9/20

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.726+/-0.046 χ^2/NDF: 14408.1/25

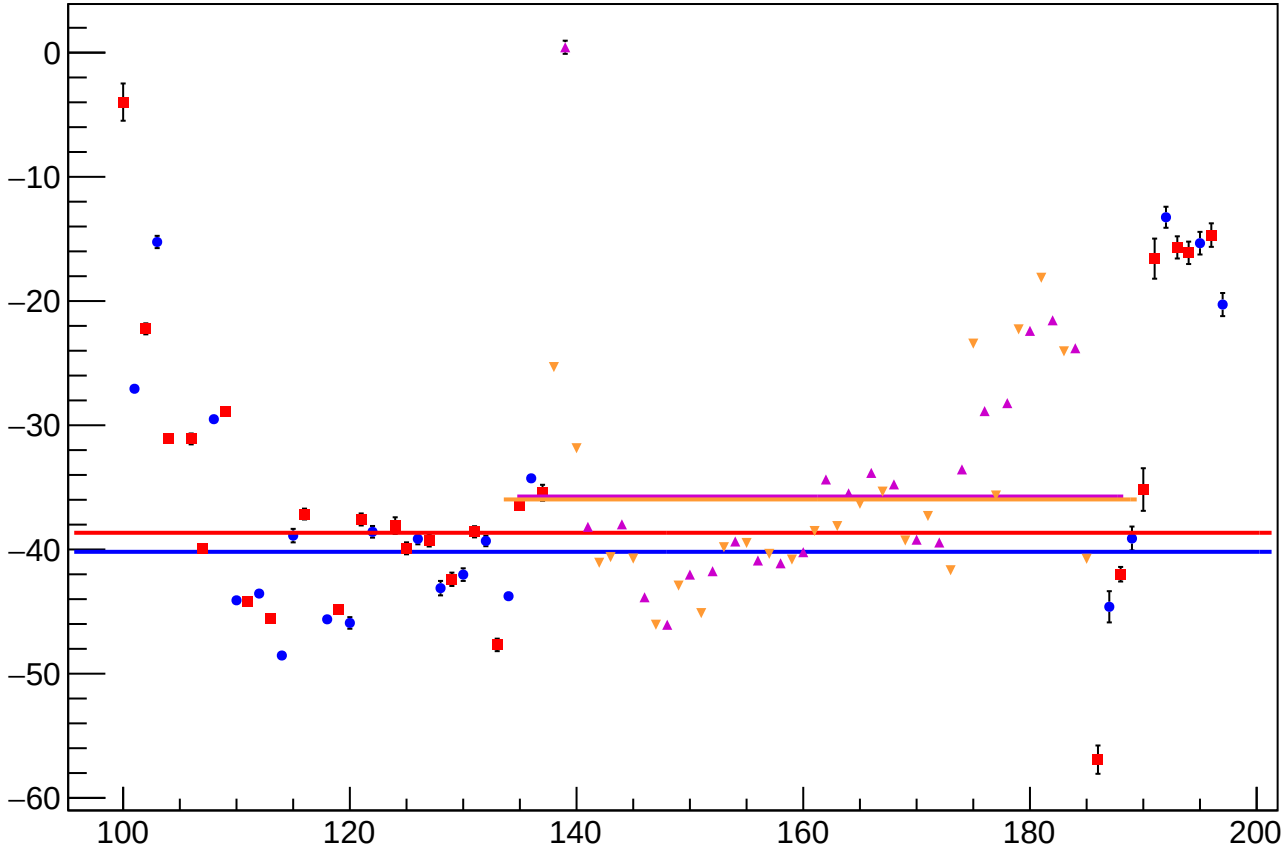
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.869+/-0.039 χ^2/NDF: 179804.4/45

All: 10.544+/-0.026 χ^2/NDF: 360633.2/94

- sign 11.950+/-0.036 χ^2/NDF: 177441.6/48

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.189+/-0.075 χ^2/NDF: 10051.6/20

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.656+/-0.070 χ^2/NDF: 12532.1/25

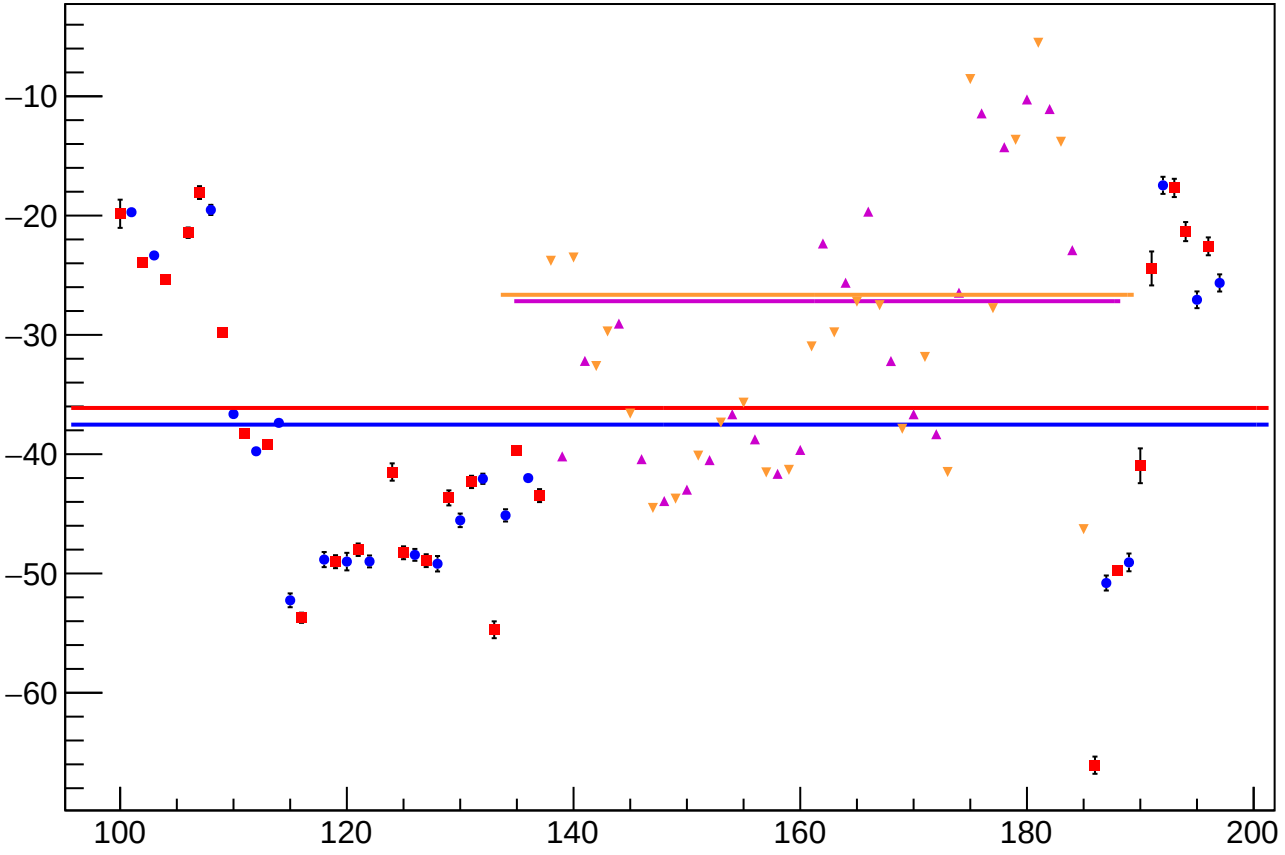
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.989+/-0.037 χ^2/NDF: 46041.3/45

All: -36.796+/-0.026 χ^2/NDF: 87023.9/94

- sign -36.595+/-0.038 χ^2/NDF: 40927.0/48

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.523+/-0.072 χ^2/NDF: 12822.7/20

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -36.126+/-0.062 χ^2/NDF: 18064.7/25

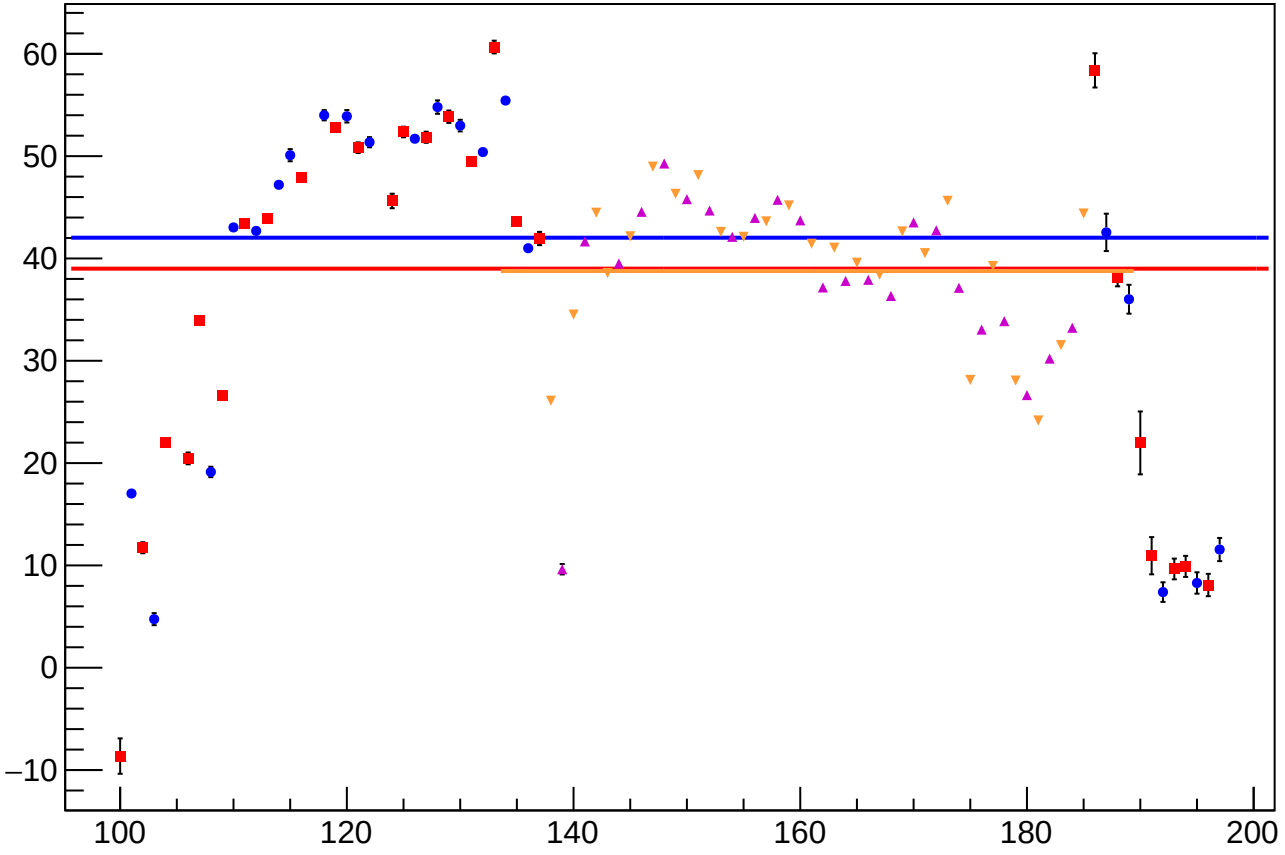
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.627+/-0.043 χ^2/NDF: 77442.8/45

All: -30.964+/-0.030 χ^2/NDF: 147832.4/94

- sign -31.281+/-0.042 χ^2/NDF: 70272.9/48

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.029+/-0.084 χ^2/NDF: 17922.0/20

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.004+/-0.077 χ^2/NDF: 20869.6/25

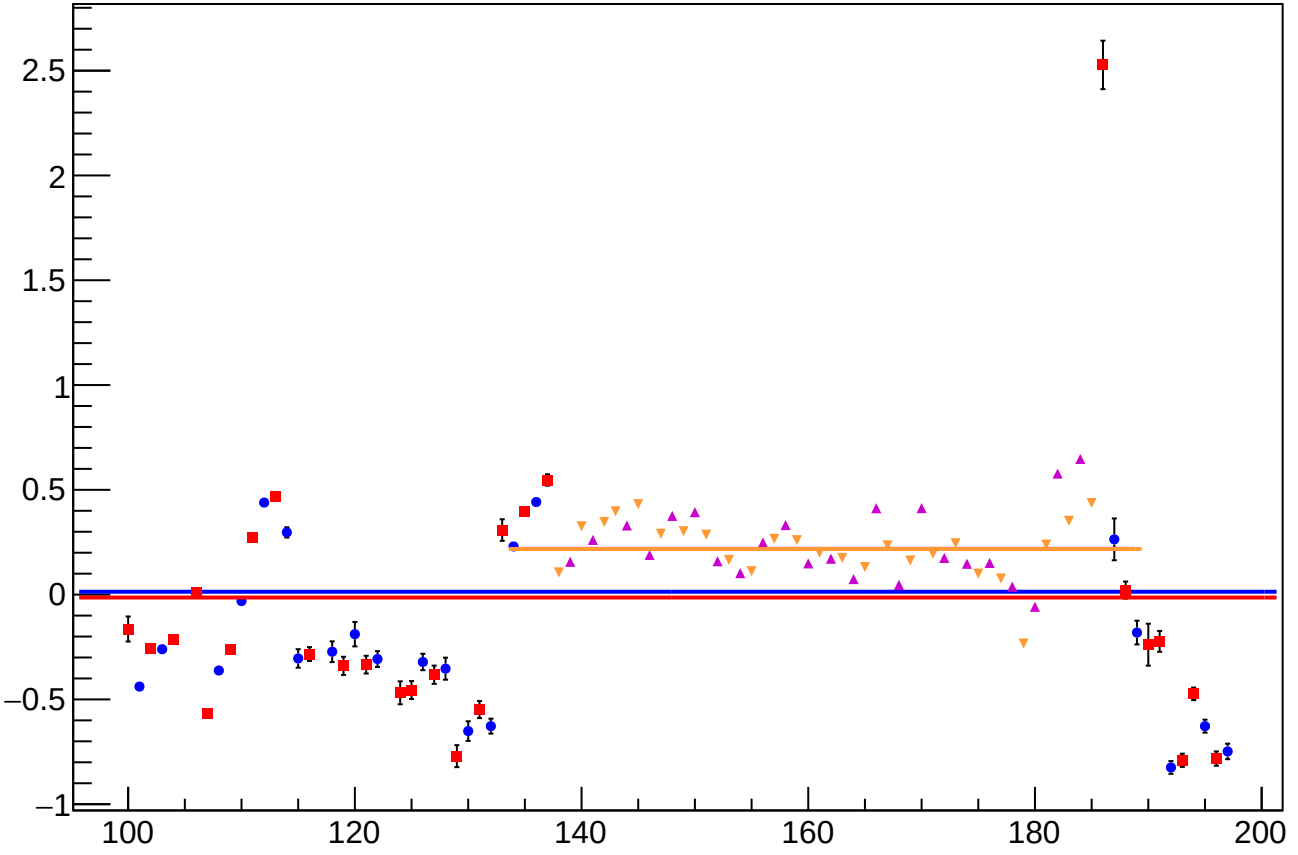
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.571+/-0.041 χ^2/NDF: 40126.1/45

All: 39.218+/-0.030 χ^2/NDF: 77388.7/94

- sign 38.855+/-0.042 χ^2/NDF: 37115.6/48

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.014+/-0.005 χ^2/NDF: 7242.9/20

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.014+/-0.004 χ^2/NDF: 8331.1/25

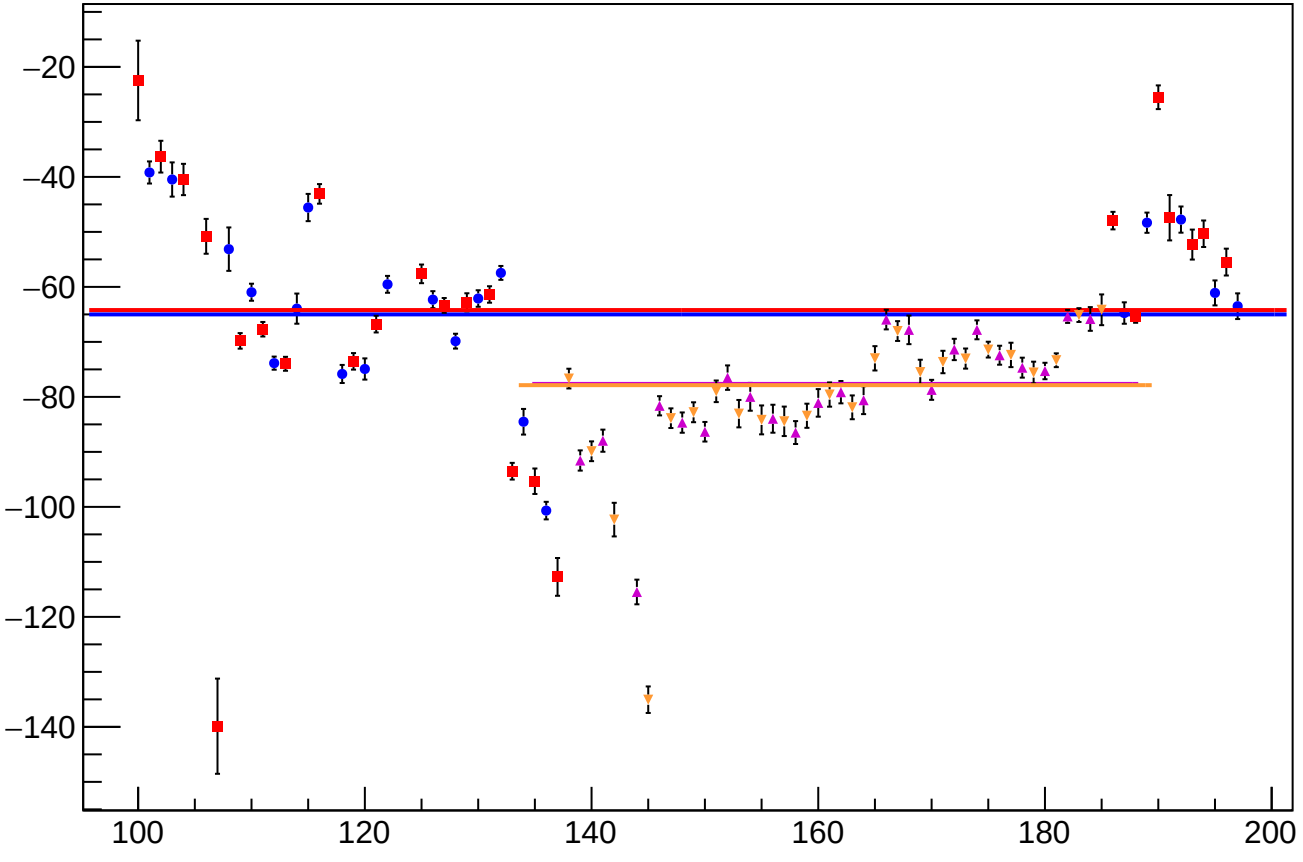
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.182+/-0.002 χ^2/NDF: 12898.0/45

All: 0.175+/-0.001 χ^2/NDF: 28933.7/94

- sign 0.168+/-0.002 χ^2/NDF: 16008.3/48

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -65.001+/-0.389 χ^2/NDF: 1205.4/20

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -64.212+/-0.361 χ^2/NDF: 1835.4/24

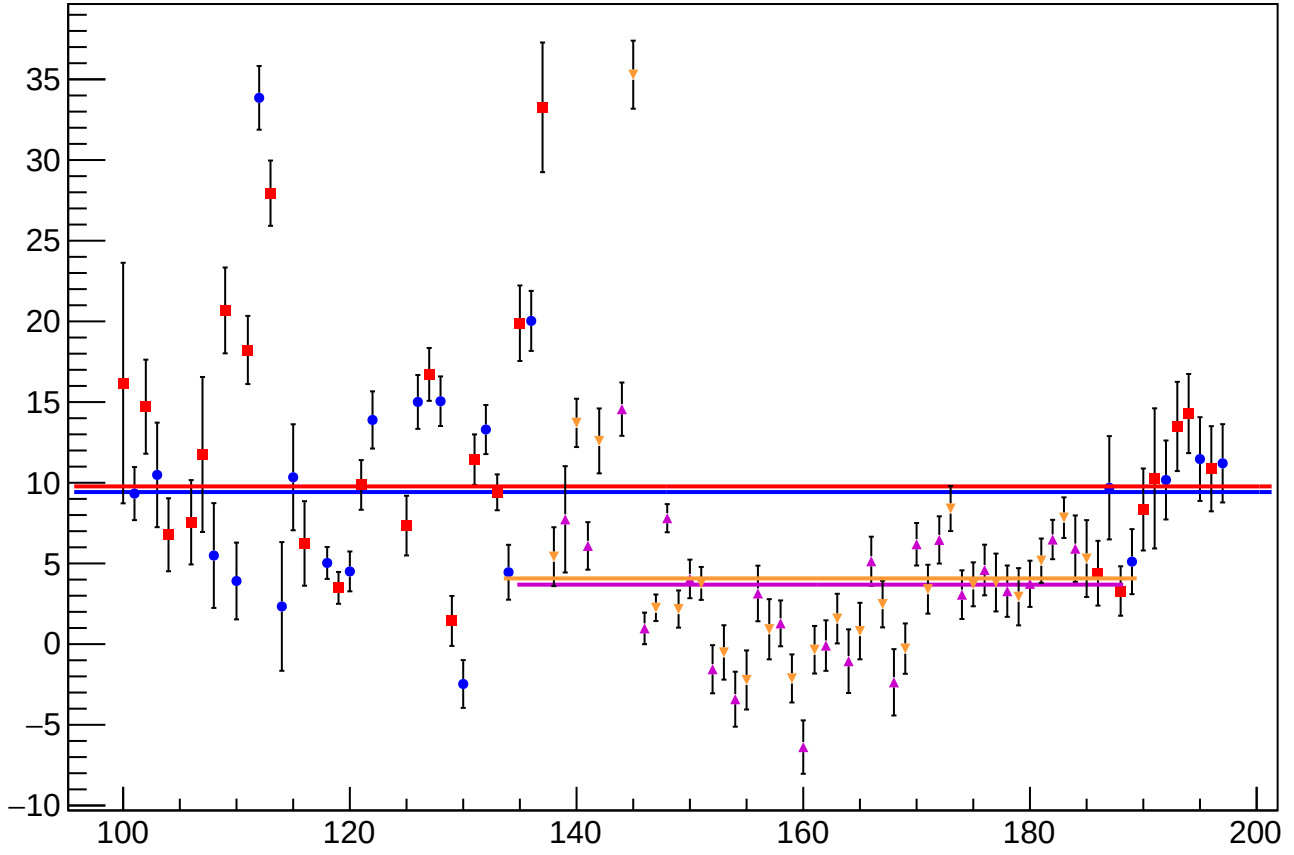
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -71.344+/-0.277 χ^2/NDF: 2678.1/44

All: -70.806+/-0.192 χ^2/NDF: 5841.3/92

- sign -70.304+/-0.267 χ^2/NDF: 3155.9/47

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.424+/-0.399 χ^2/NDF: 347.8/20

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.774+/-0.389 χ^2/NDF: 295.8/24

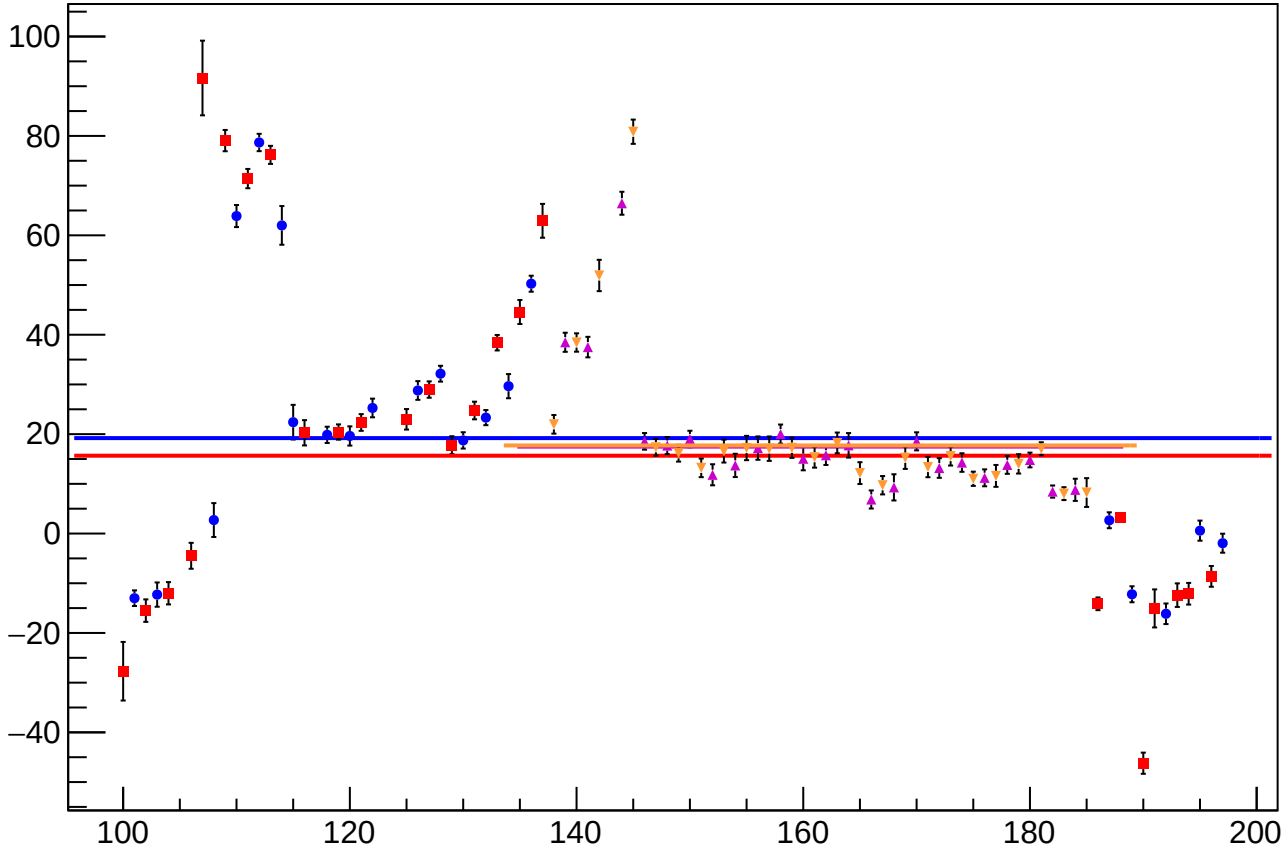
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

\+ sign 5.979+/-0.238 χ^2/NDF: 834.2/44

All: 5.974+/-0.169 χ^2/NDF: 1465.4/92

\- sign 5.969+/-0.239 χ^2/NDF: 631.1/47

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 19.203+/-0.414 χ^2/NDF: 3783.2/20

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 15.662+/-0.378 χ^2/NDF: 6137.2/24

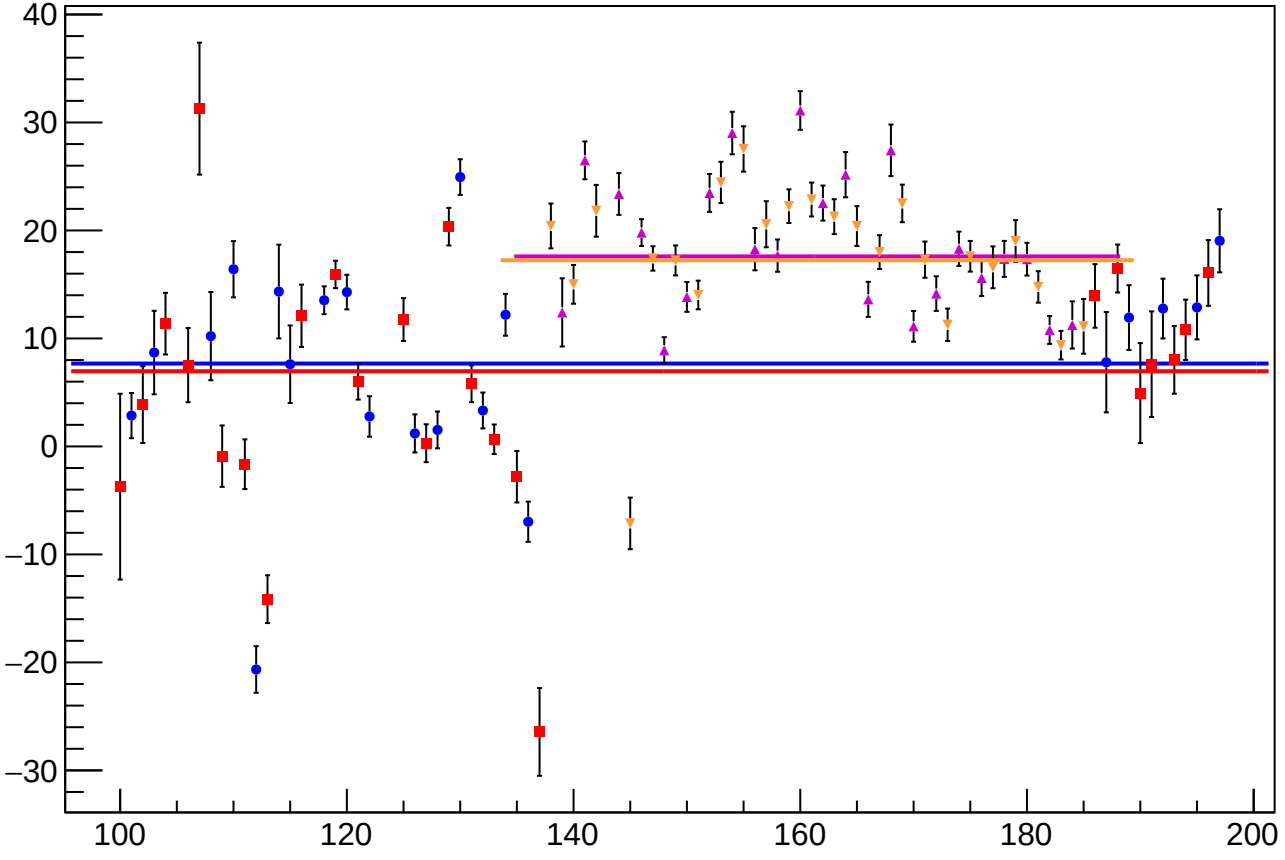
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 18.421+/-0.284 χ^2/NDF: 4848.2/44

All: 17.440+/-0.197 χ^2/NDF: 11840.3/92

- sign 16.541+/-0.272 χ^2/NDF: 6969.2/47

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 7.675+/-0.467 χ^2/NDF: 470.2/20

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 6.966+/-0.460 χ^2/NDF: 407.3/24

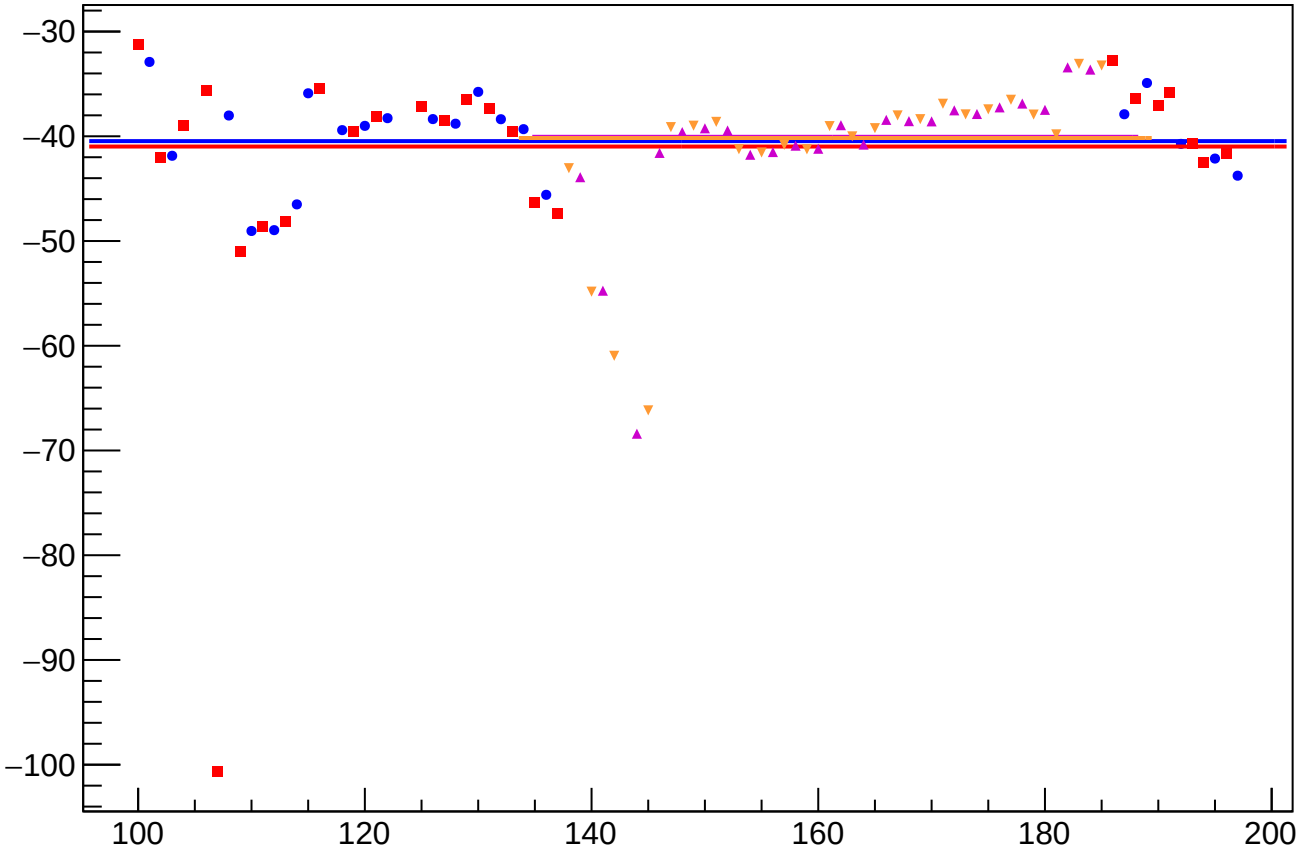
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.951+/-0.274 χ^2/NDF: 1006.8/44

All: 13.883+/-0.194 χ^2/NDF: 2067.3/92

- sign 13.814+/-0.275 χ^2/NDF: 1060.4/47

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.461+/-0.026 χ^2/NDF: 24688.9/20

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.979+/-0.025 χ^2/NDF: 65883.0/24

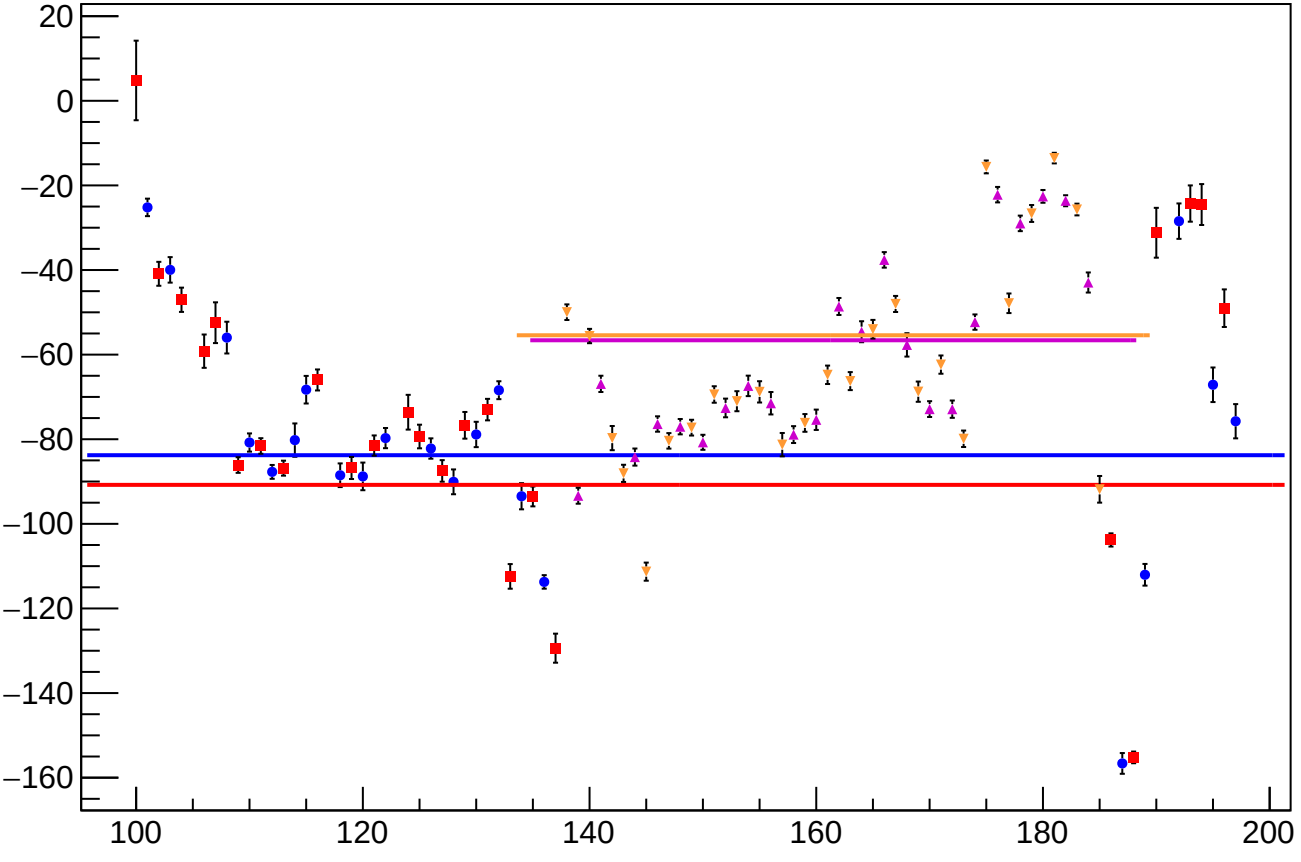
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.242+/-0.013 χ^2/NDF: 188120.9/44

All: -40.272+/-0.009 χ^2/NDF: 391437.9/92

- sign -40.301+/-0.013 χ^2/NDF: 203307.0/47

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -83.775+/-0.561 χ^2/NDF: 2726.5/20

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -90.787+/-0.510 χ^2/NDF: 4075.9/24

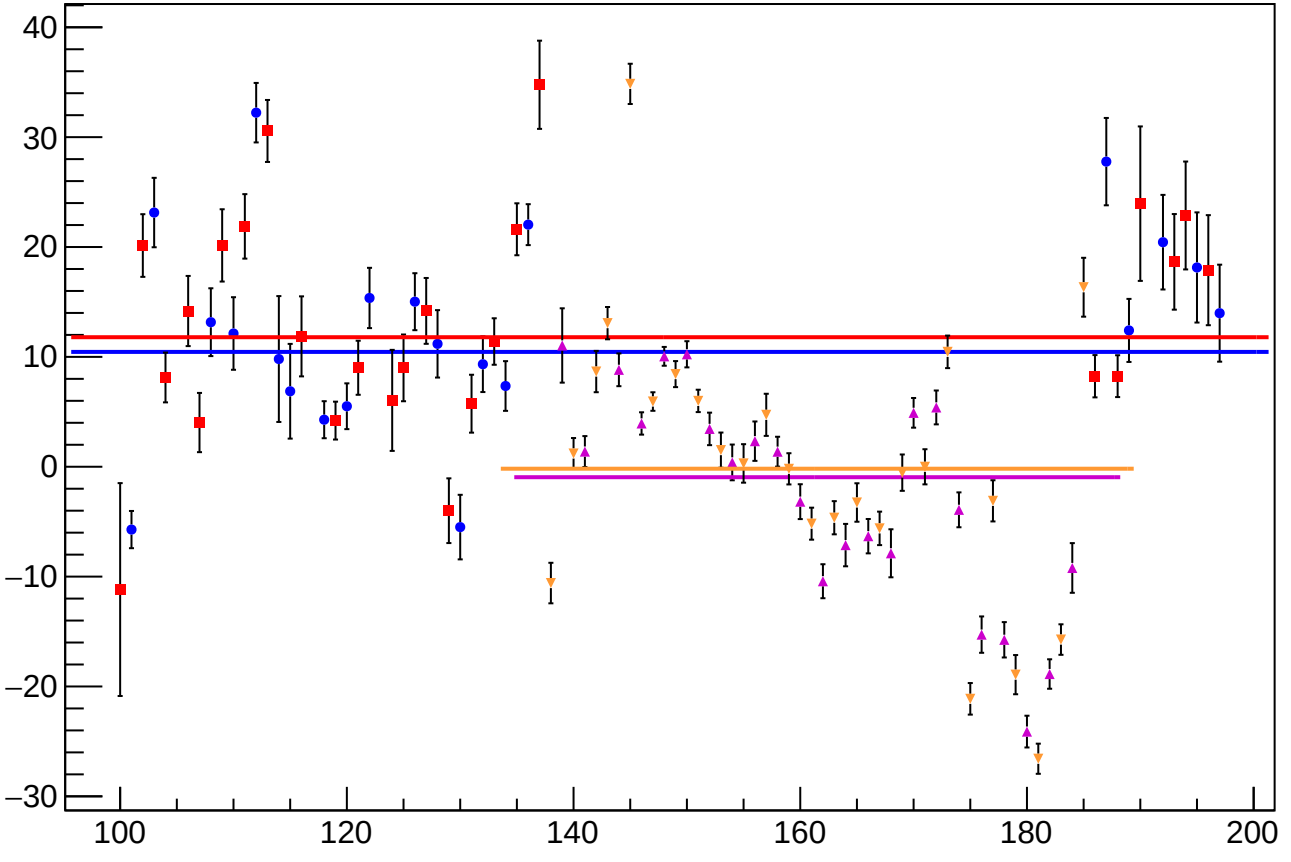
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

\+ sign -64.760+/-0.322 χ^2/NDF: 8963.0/45

All: -67.319+/-0.226 χ^2/NDF: 19276.7/93

\- sign -69.789+/-0.316 χ^2/NDF: 10189.6/47

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 10.453+/-0.585 χ^2/NDF: 297.0/20

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.790+/-0.562 χ^2/NDF: 214.9/24

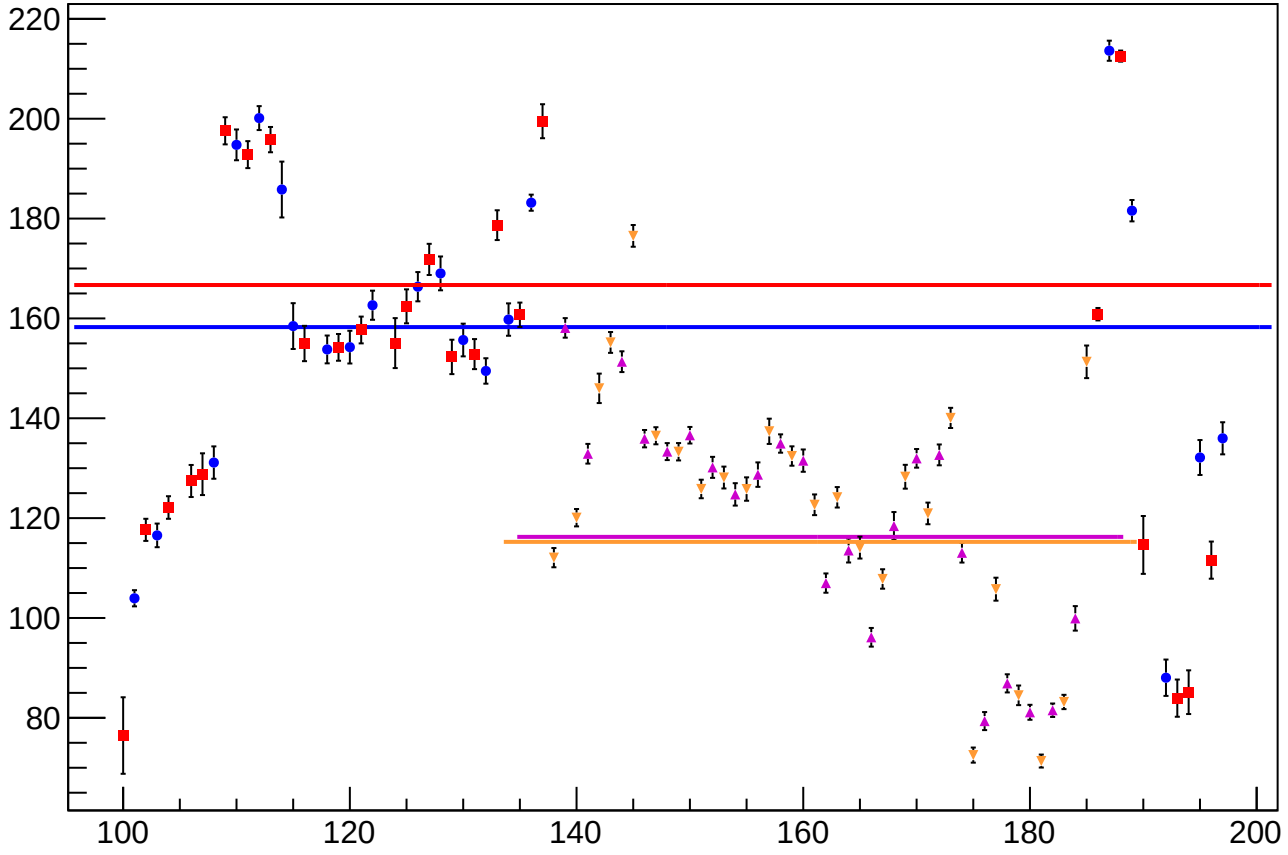
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

\+ sign 1.966+/-0.263 χ^2/NDF: 2159.2/45

All: 1.950+/-0.187 χ^2/NDF: 3841.3/93

\- sign 1.933+/-0.267 χ^2/NDF: 1682.1/47

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 158.263+/-0.577 χ^2/NDF: 3599.9/20

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 166.690+/-0.511 χ^2/NDF: 4678.1/24

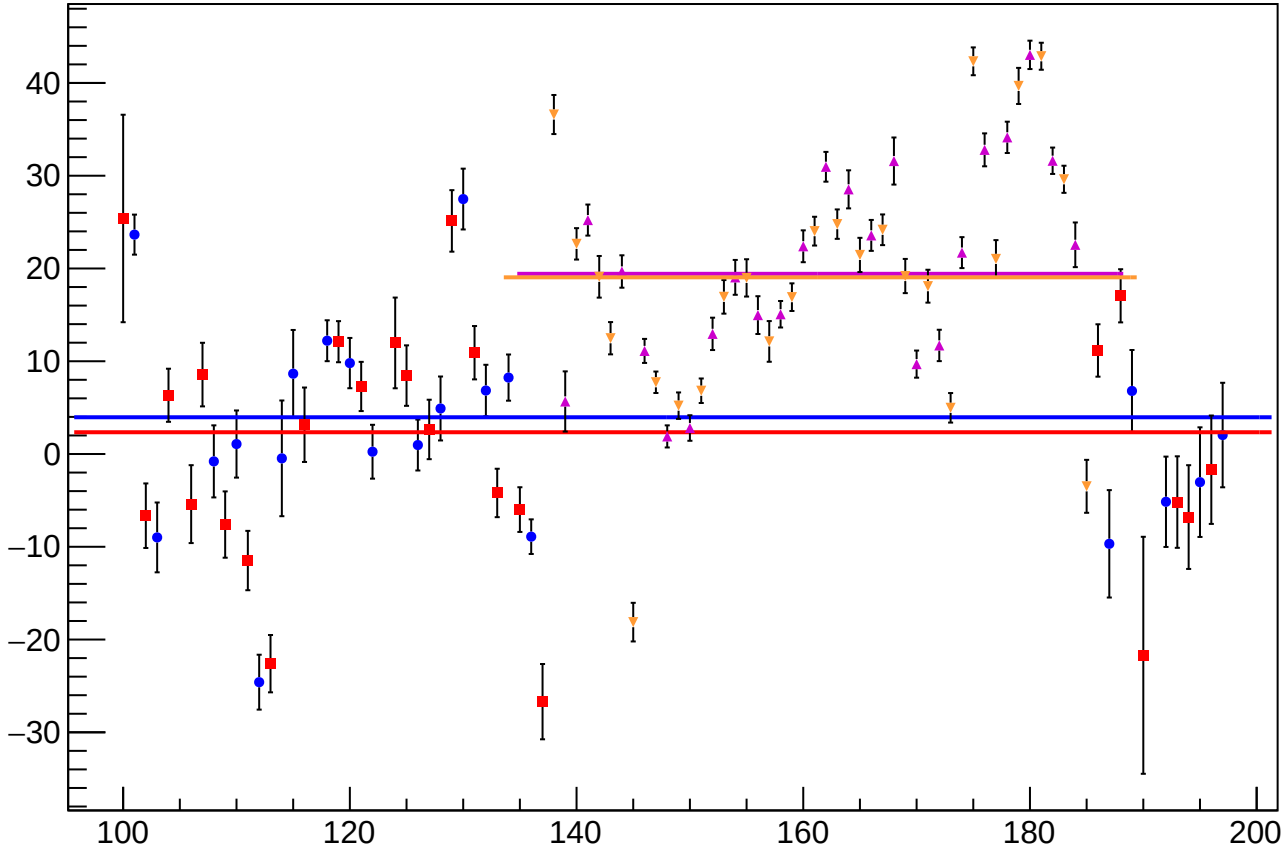
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.746+/-0.323 χ^2/NDF: 12248.9/45

All: 132.139+/-0.225 χ^2/NDF: 26827.5/93

- sign 135.352+/-0.315 χ^2/NDF: 14364.2/47

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 3.962+/-0.683 χ^2/NDF: 327.5/20

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.347+/-0.671 χ^2/NDF: 312.2/24

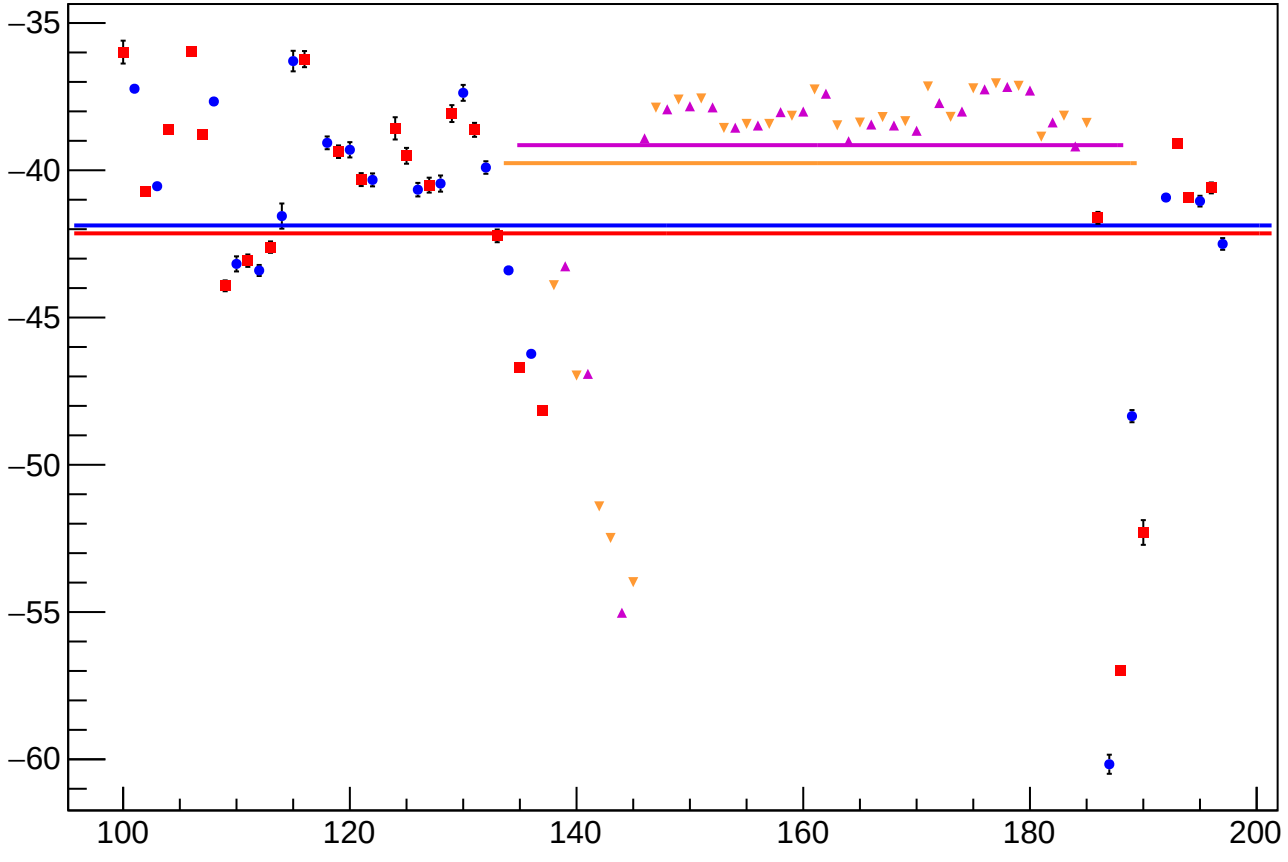
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.103+/-0.302 χ^2/NDF: 2266.1/45

All: 15.974+/-0.215 χ^2/NDF: 4168.4/93

- sign 15.839+/-0.307 χ^2/NDF: 1901.9/47

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.873+/-0.035 χ^2/NDF: 12254.3/20

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.142+/-0.035 χ^2/NDF: 19015.1/24

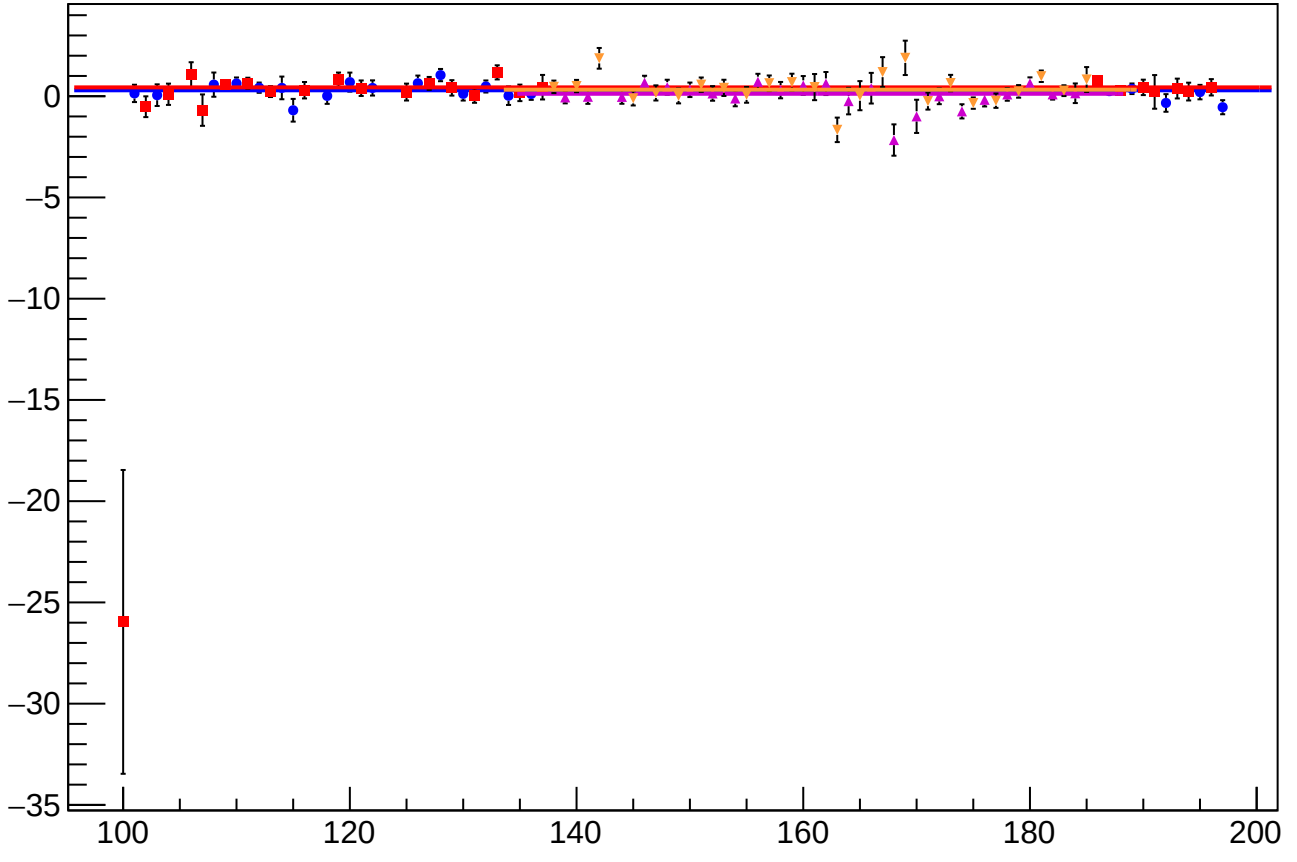
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.103+/-0.014 χ^2/NDF: 97184.8/45

All: -39.877+/-0.010 χ^2/NDF: 169772.0/93

- sign -39.647+/-0.014 χ^2/NDF: 72070.4/47

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.292+/-0.076 χ^2/NDF: 22.9/20

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.436+/-0.064 χ^2/NDF: 34.8/24

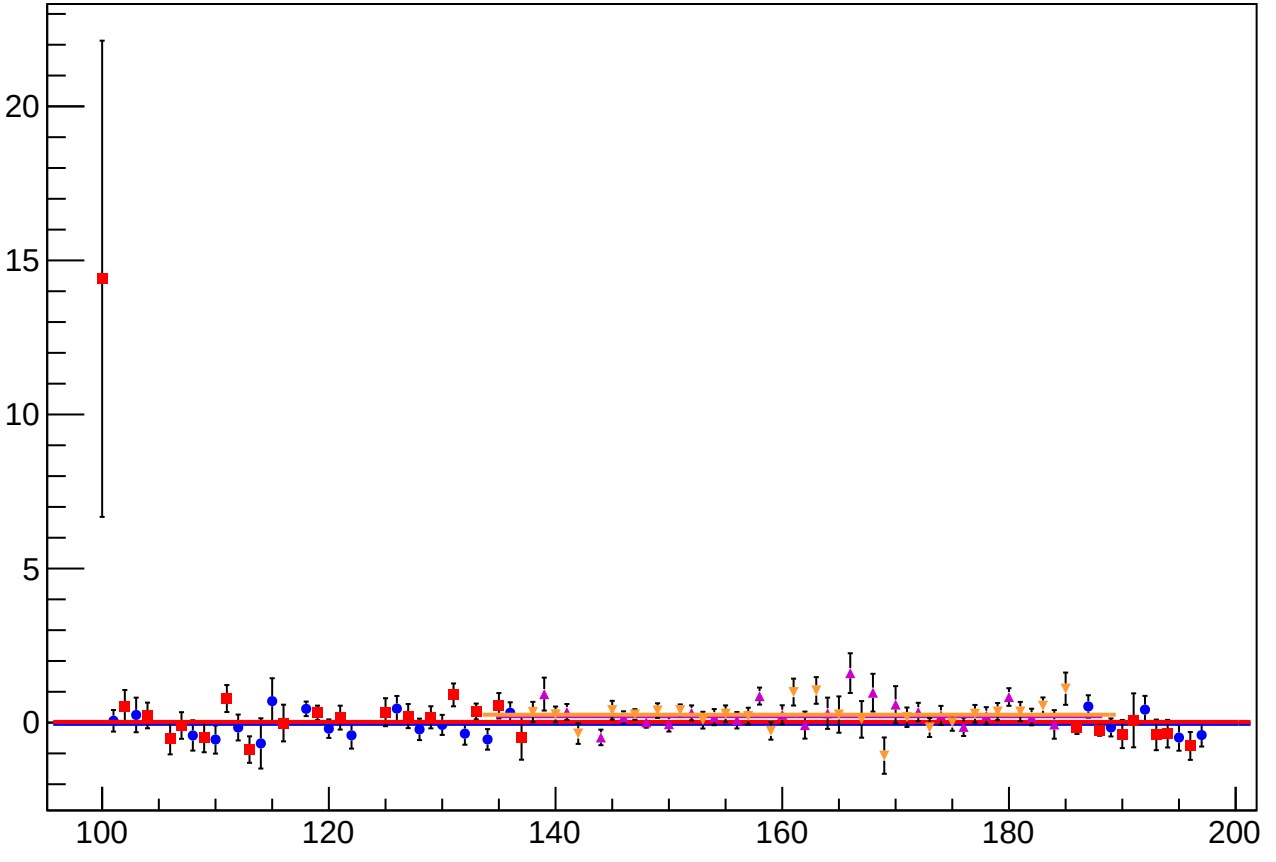
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.306+/-0.054 χ^2/NDF: 69.9/44

All: 0.308+/-0.037 χ^2/NDF: 144.2/92

- sign 0.311+/-0.050 χ^2/NDF: 74.3/47

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.041+/-0.082 χ^2/NDF: 20.7/20

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.022+/-0.074 χ^2/NDF: 34.4/24

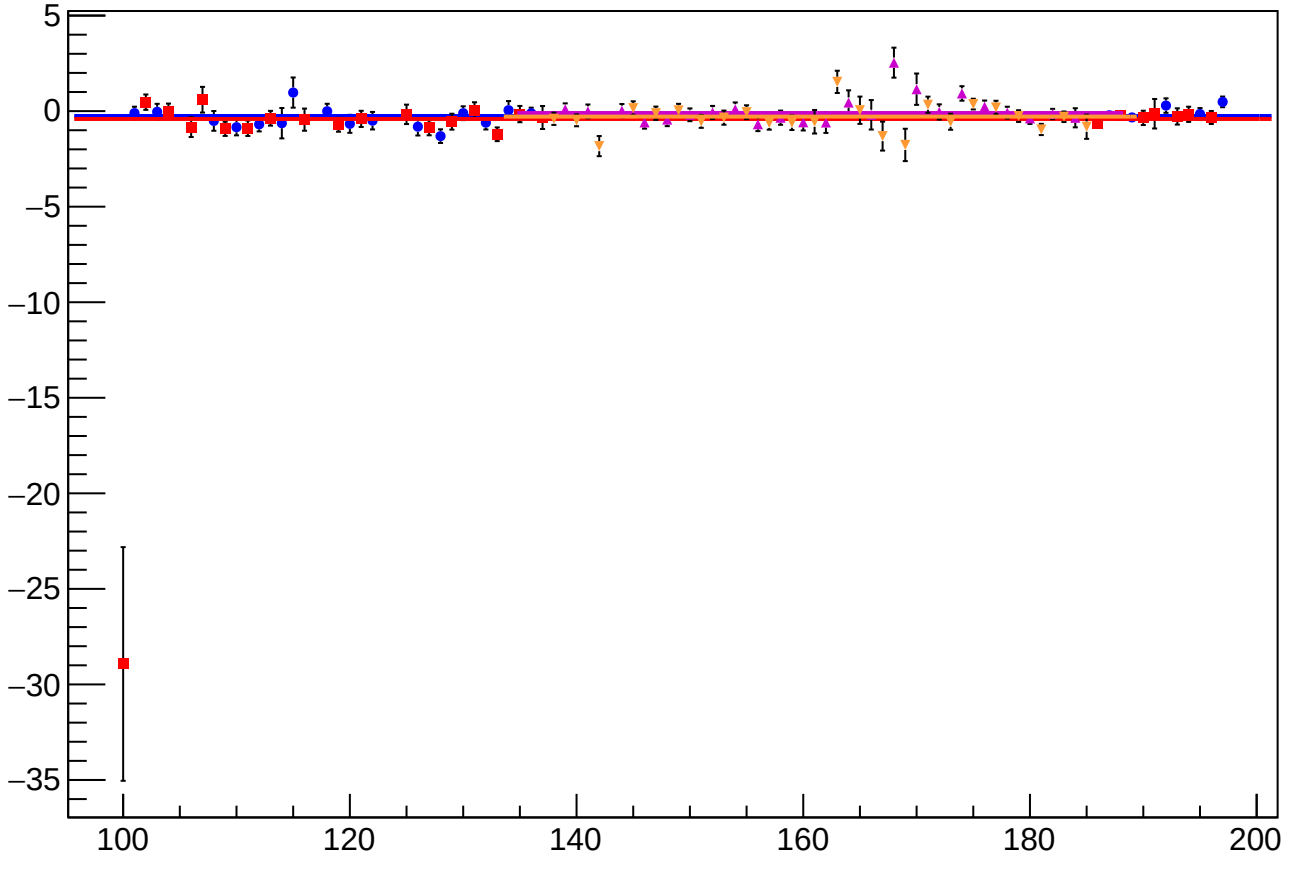
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.154+/-0.048 χ^2/NDF: 55.9/44

All: 0.143+/-0.034 χ^2/NDF: 126.0/92

- sign 0.133+/-0.047 χ^2/NDF: 70.0/47

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.256+/-0.076 χ^2/NDF: 29.3/20

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.410+/-0.061 χ^2/NDF: 48.7/24

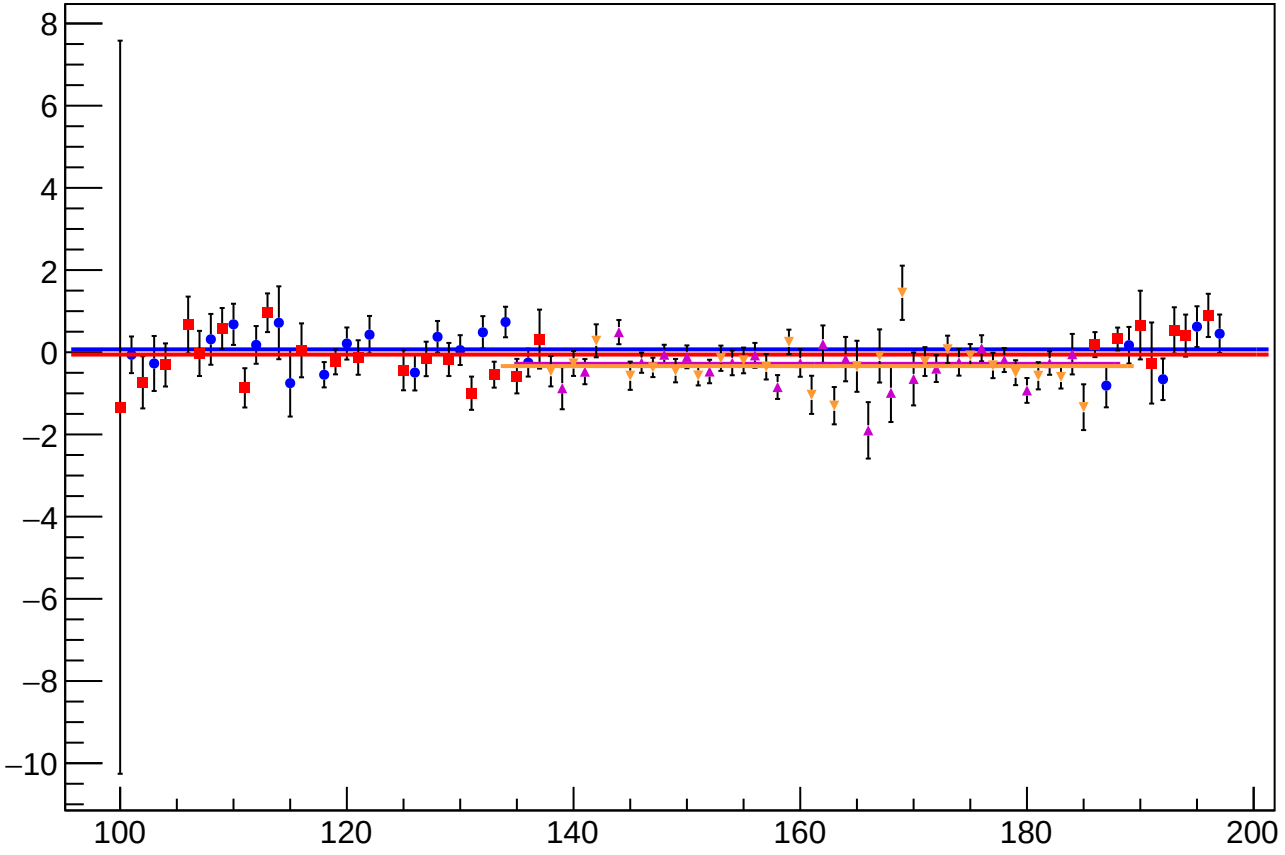
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.271+/-0.054 χ^2/NDF: 74.4/44

All: -0.283+/-0.036 χ^2/NDF: 166.1/92

- sign -0.293+/-0.048 χ^2/NDF: 91.6/47

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.070+/-0.097 χ^2/NDF: 22.7/20

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.056+/-0.091 χ^2/NDF: 30.9/24

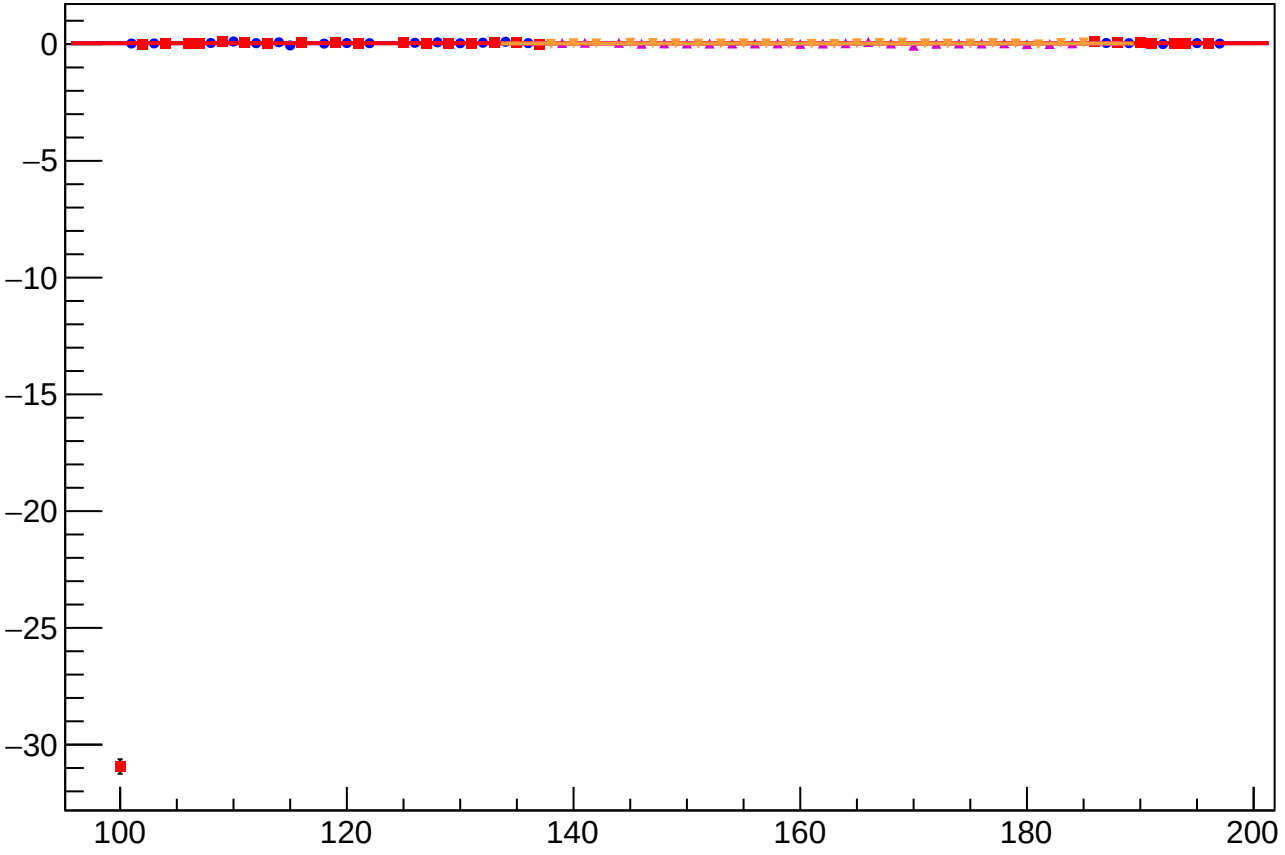
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.203+/-0.056 χ^2/NDF: 64.6/44

All: -0.201+/-0.039 χ^2/NDF: 128.5/92

- sign -0.200+/-0.055 χ^2/NDF: 63.8/47

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.041+/-0.005 χ^2/NDF: 27.9/20

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.039+/-0.005 χ^2/NDF: 10038.2/24

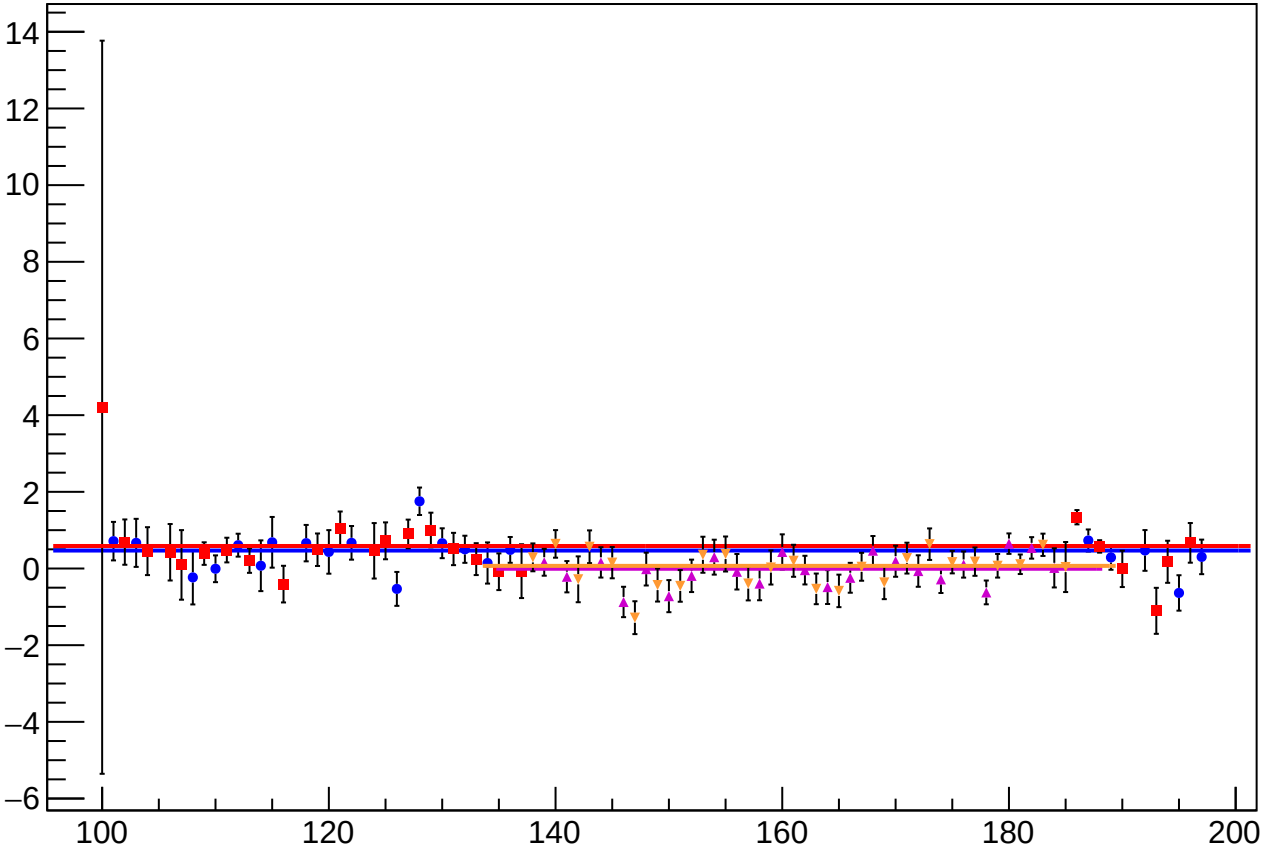
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.003 χ^2/NDF: 60.2/44

All: 0.032+/-0.002 χ^2/NDF: 10140.2/92

- sign 0.032+/-0.003 χ^2/NDF: 10079.9/47

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.469+/-0.091 χ^2/NDF: 29.9/20

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.587+/-0.076 χ^2/NDF: 39.4/24

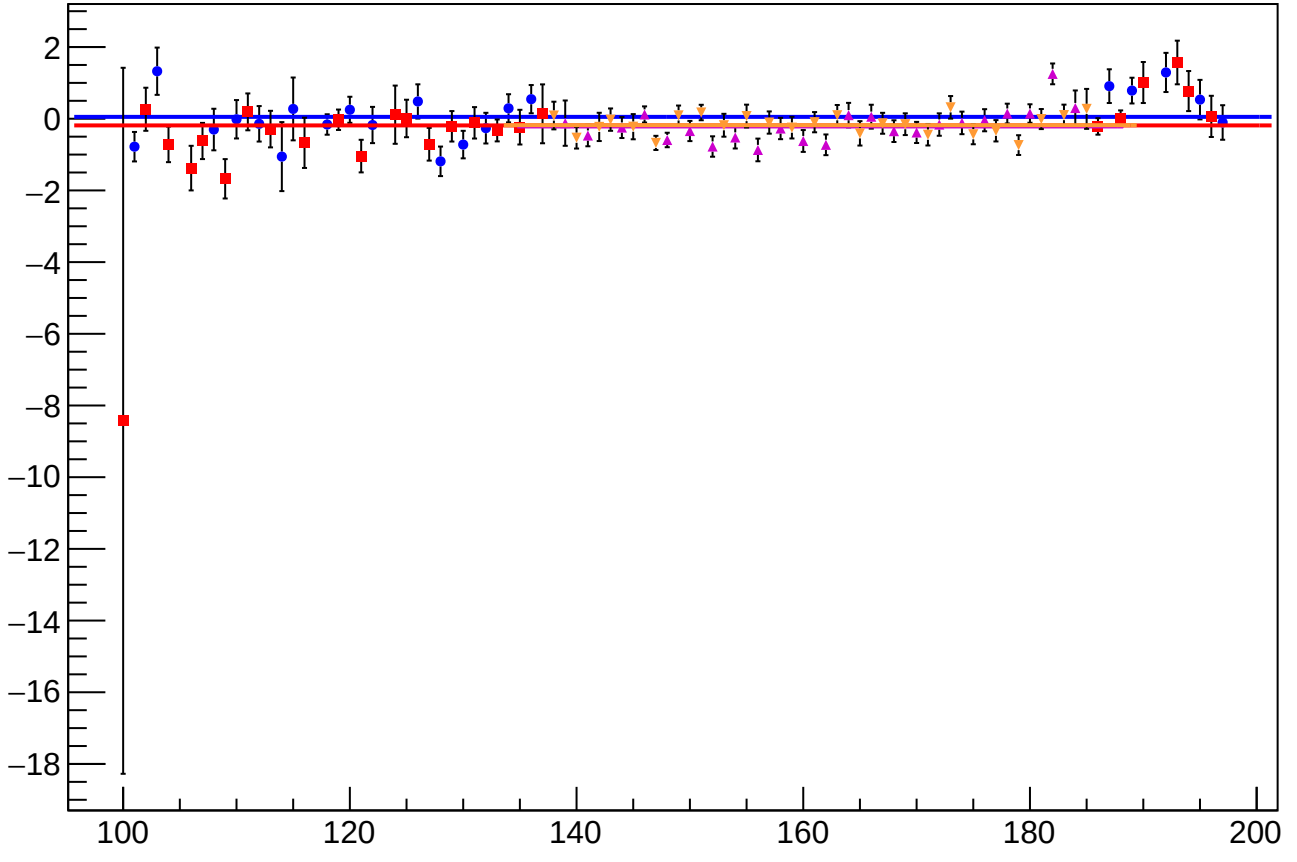
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.236+/-0.059 χ^2/NDF: 72.2/45

All: 0.271+/-0.040 χ^2/NDF: 169.8/93

- sign 0.302+/-0.055 χ^2/NDF: 96.9/47

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.052+/-0.098 χ^2/NDF: 40.7/20

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.186+/-0.088 χ^2/NDF: 37.6/24

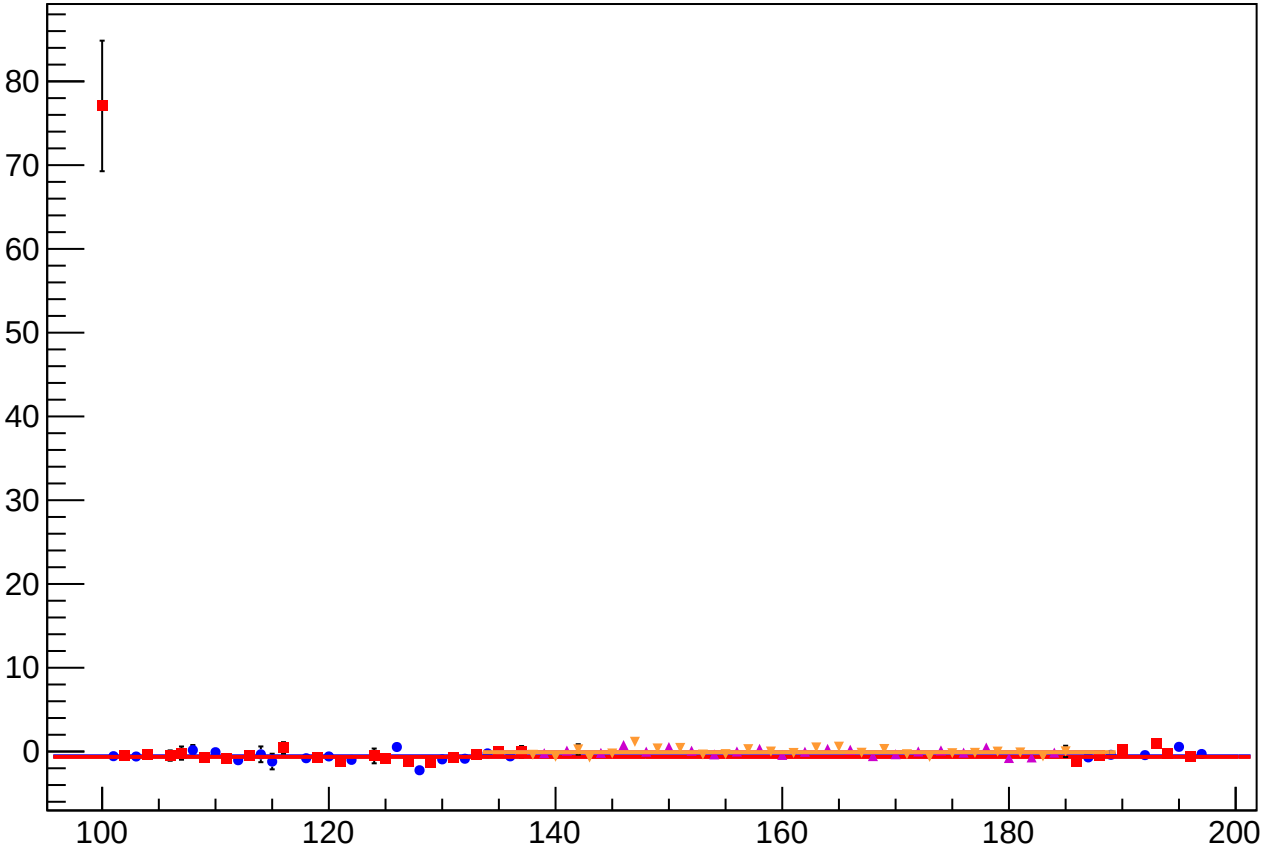
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.118+/-0.051 χ^2/NDF: 69.6/45

All: -0.162+/-0.036 χ^2/NDF: 162.3/93

- sign -0.206+/-0.050 χ^2/NDF: 91.2/47

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.569+/-0.092 χ^2/NDF: 35.6/20

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.643+/-0.073 χ^2/NDF: 136.6/24

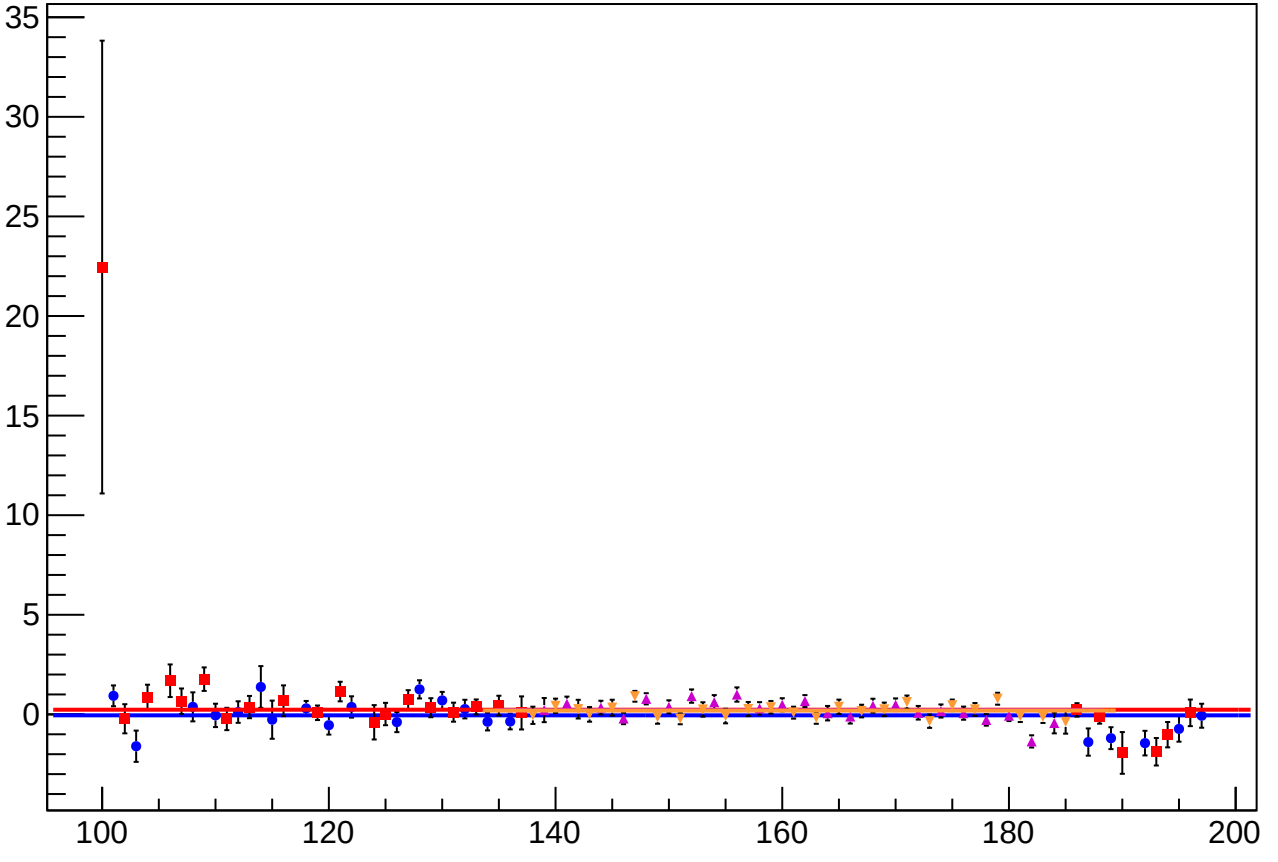
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.278+/-0.059 χ^2/NDF: 82.4/45

All: -0.335+/-0.040 χ^2/NDF: 277.1/93

- sign -0.381+/-0.053 χ^2/NDF: 193.0/47

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.049+/-0.116 χ^2/NDF: 40.1/20

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.233+/-0.108 χ^2/NDF: 41.1/24

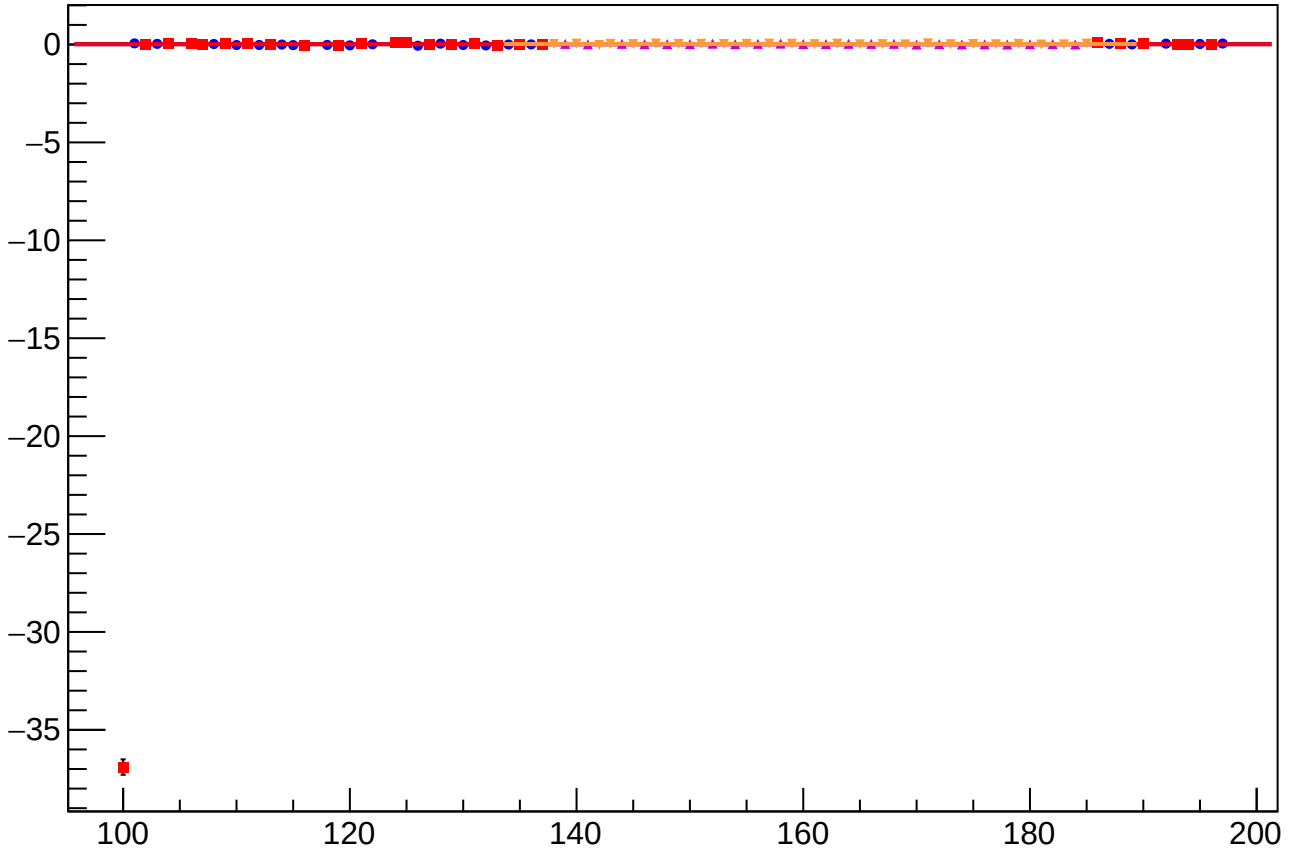
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.133+/-0.058 χ^2/NDF: 69.2/45

All: 0.176+/-0.041 χ^2/NDF: 166.5/93

- sign 0.220+/-0.058 χ^2/NDF: 96.2/47

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.016+/-0.006 χ^2/NDF: 24.8/20

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.006 χ^2/NDF: 8775.7/24

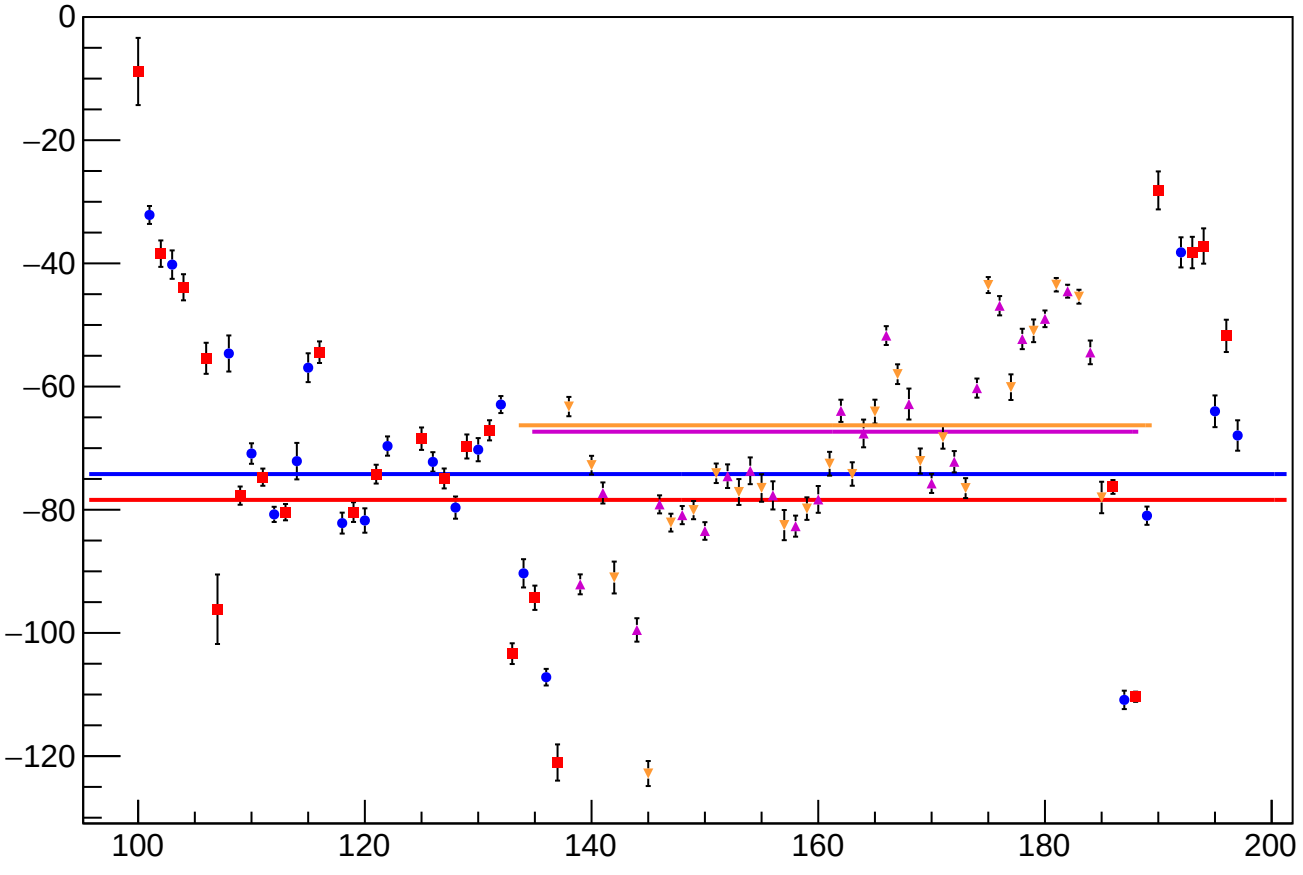
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

\+ sign 0.022+/-0.003 χ^2/NDF: 56.5/45

All: 0.022+/-0.002 χ^2/NDF: 8852.3/93

\- sign 0.022+/-0.003 χ^2/NDF: 8795.8/47

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -74.209+/-0.385 χ^2/NDF: 2818.9/20

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -78.400+/-0.350 χ^2/NDF: 3988.3/23

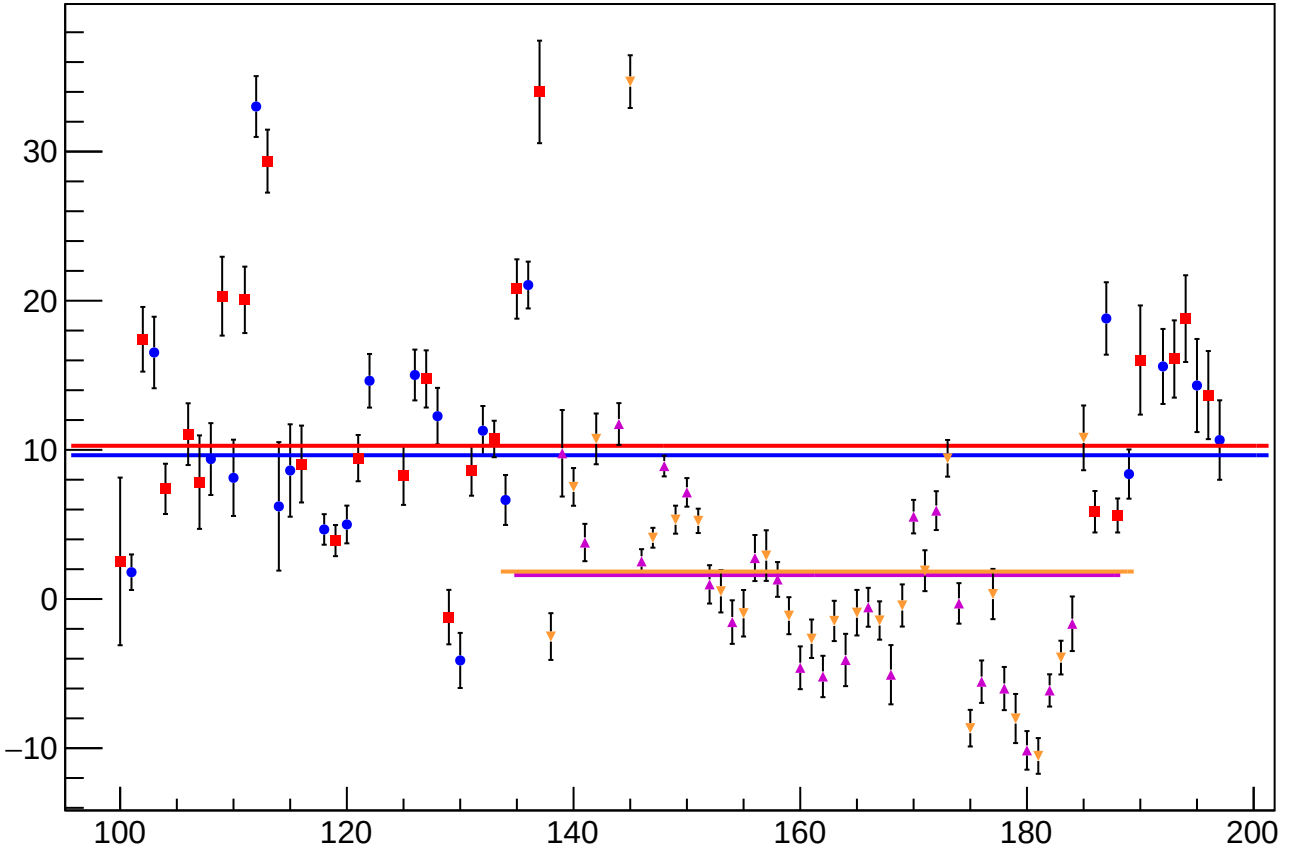
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.802+/-0.256 χ^2/NDF: 5604.7/44

All: -71.361+/-0.177 χ^2/NDF: 12273.9/91

- sign -72.791+/-0.246 χ^2/NDF: 6598.4/46

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.640+/-0.393 χ^2/NDF: 376.2/20

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.274+/-0.381 χ^2/NDF: 336.5/23

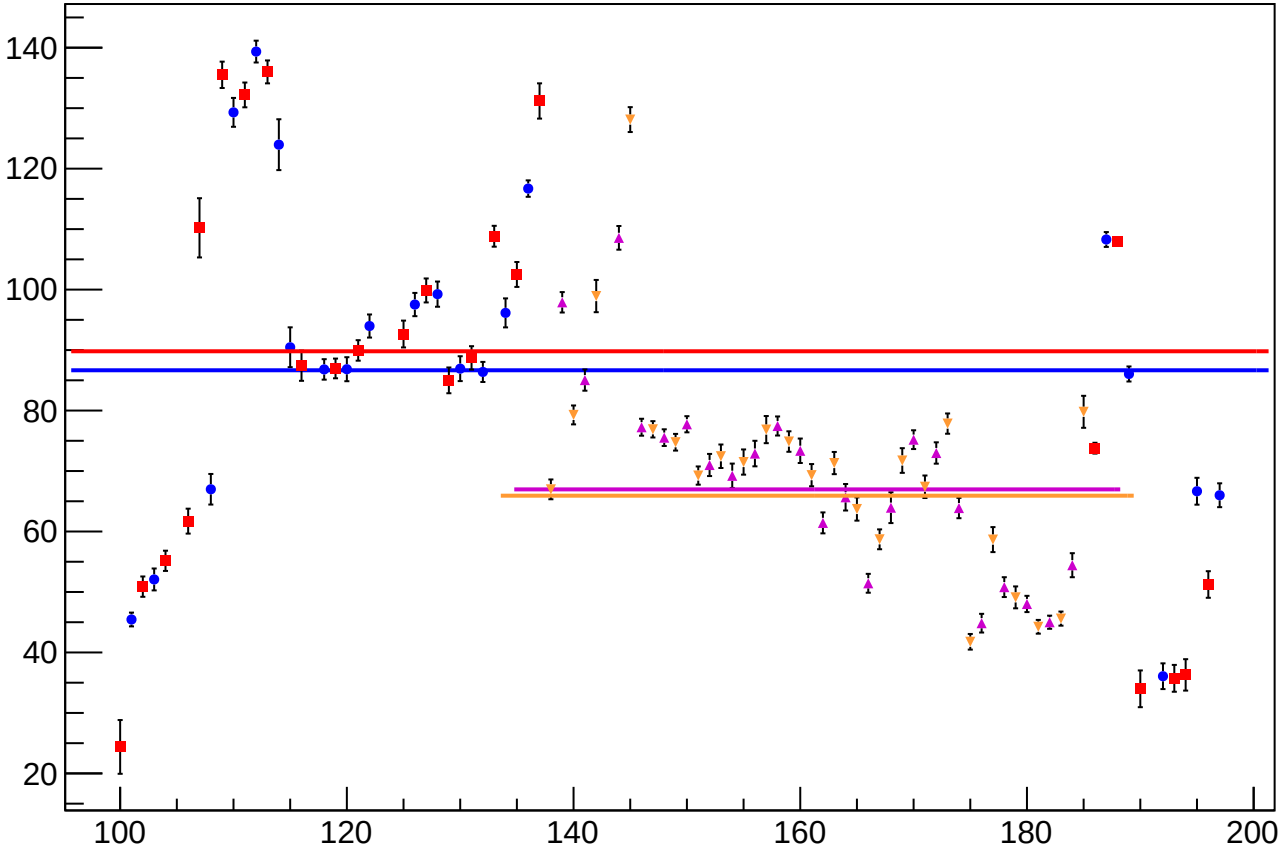
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 4.145+/-0.214 χ^2/NDF: 1435.0/44

All: 4.243+/-0.151 χ^2/NDF: 2623.8/91

\- sign 4.341+/-0.214 χ^2/NDF: 1188.3/46

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 86.660+/-0.391 χ^2/NDF: 4637.7/20

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 89.802+/-0.344 χ^2/NDF: 5971.1/23

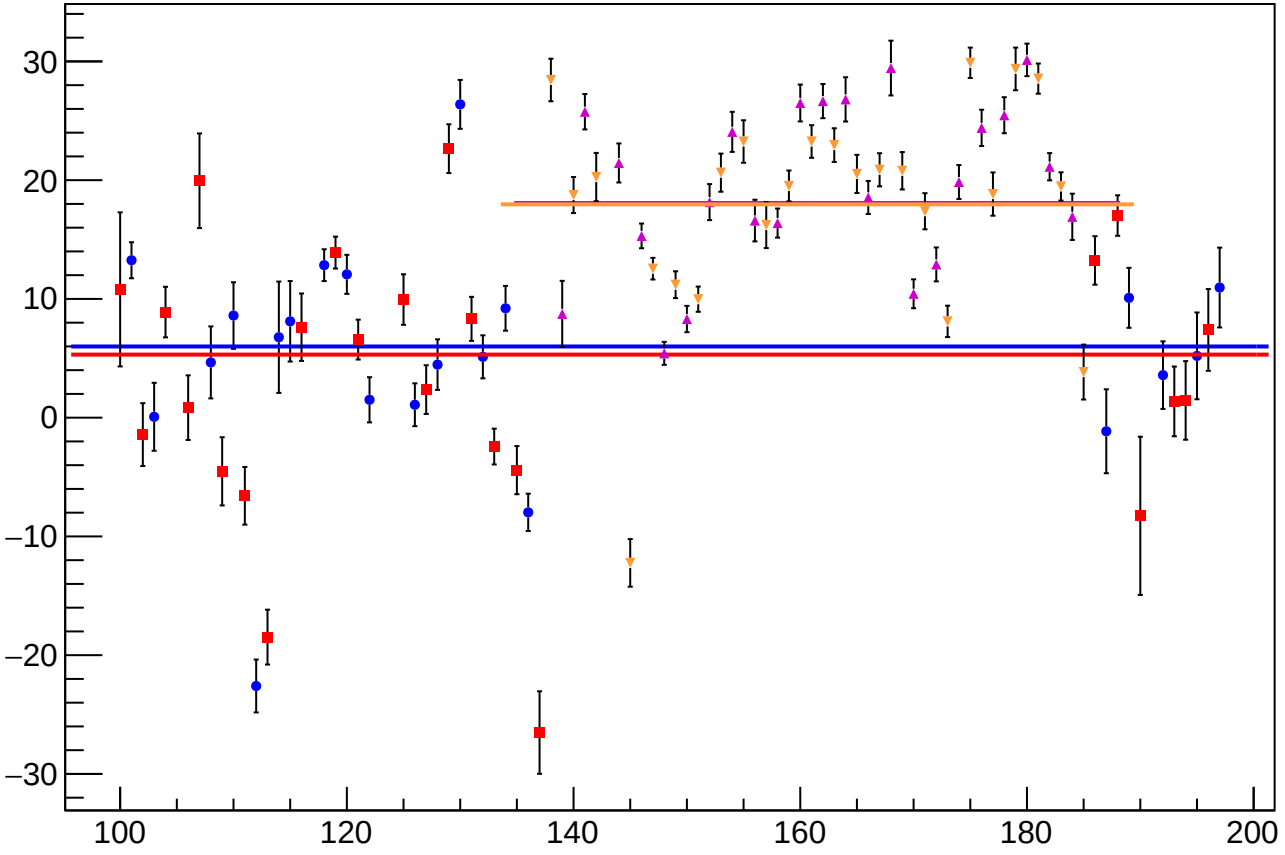
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 74.869+/-0.257 χ^2/NDF: 8793.4/44

All: 76.682+/-0.176 χ^2/NDF: 19302.9/91

- sign 78.296+/-0.242 χ^2/NDF: 10415.3/46

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.995+/-0.466 χ^2/NDF: 436.4/20

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.311+/-0.459 χ^2/NDF: 494.0/23

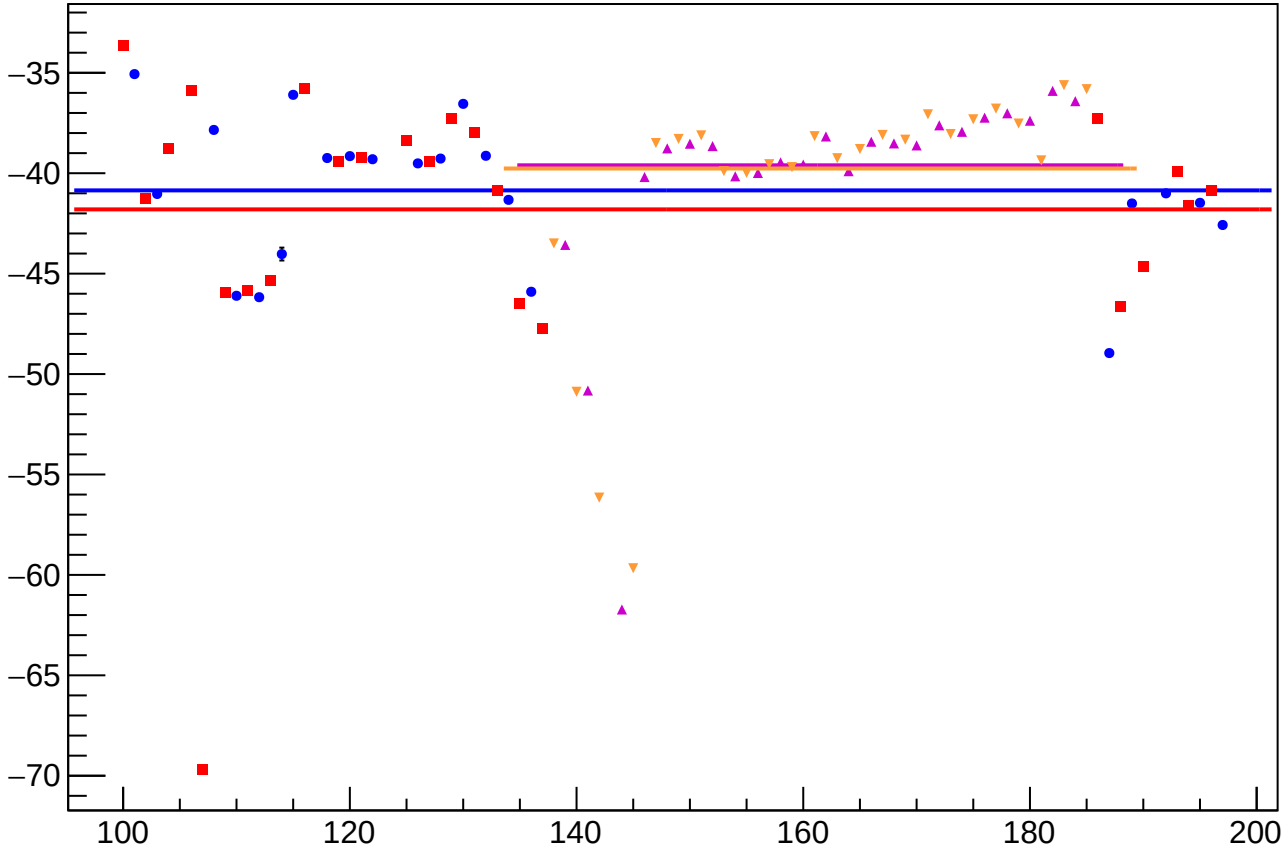
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.587+/-0.247 χ^2/NDF: 1642.6/44

All: 14.468+/-0.175 χ^2/NDF: 3290.0/91

- sign 14.349+/-0.248 χ^2/NDF: 1646.9/46

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.855+/-0.025 χ^2/NDF: 20266.4/20

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.801+/-0.024 χ^2/NDF: 41454.3/23

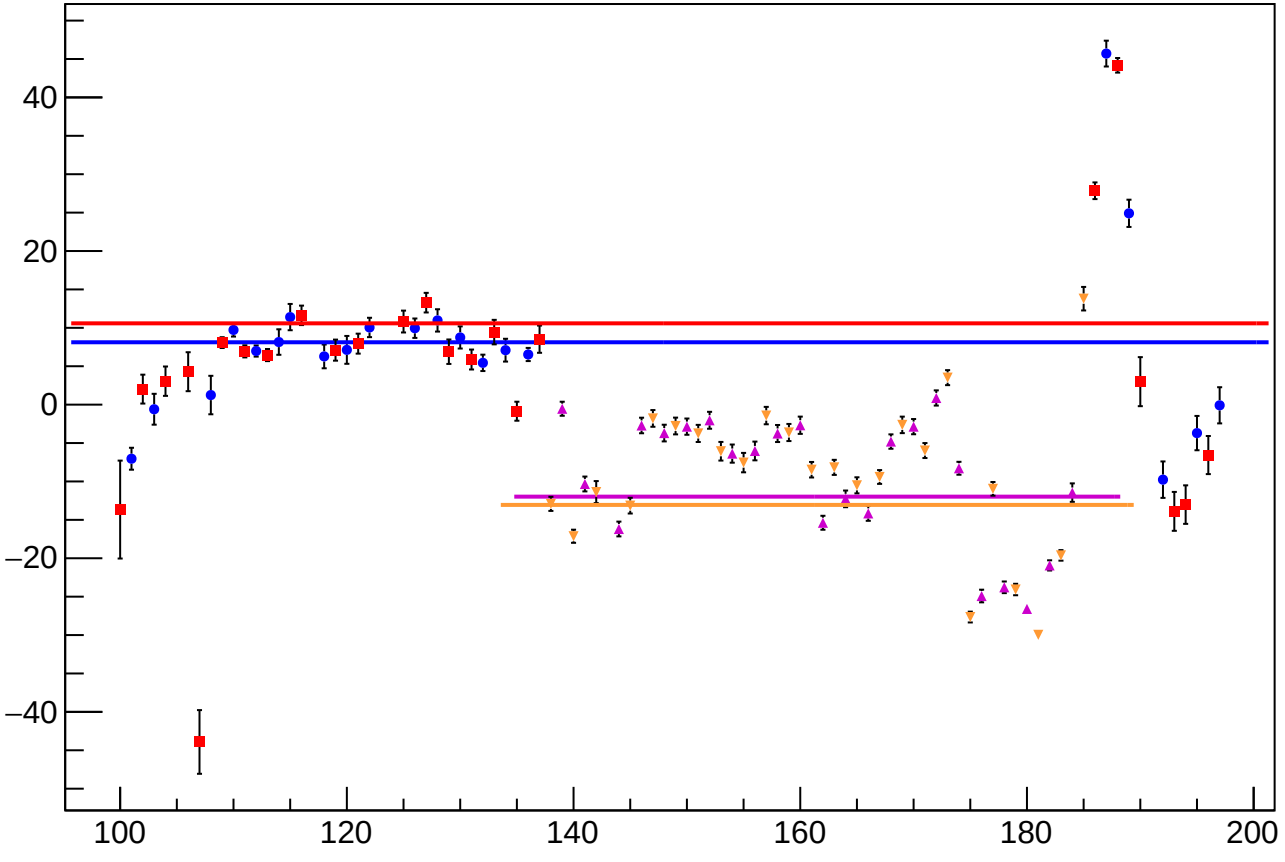
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -40.014+/-0.012 χ^2/NDF: 151653.9/44

All: -40.064+/-0.008 χ^2/NDF: 305995.8/91

- sign -40.113+/-0.012 χ^2/NDF: 154306.7/46

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.120+/-0.293 χ^2/NDF: 855.3/20

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 10.585+/-0.269 χ^2/NDF: 2149.6/23

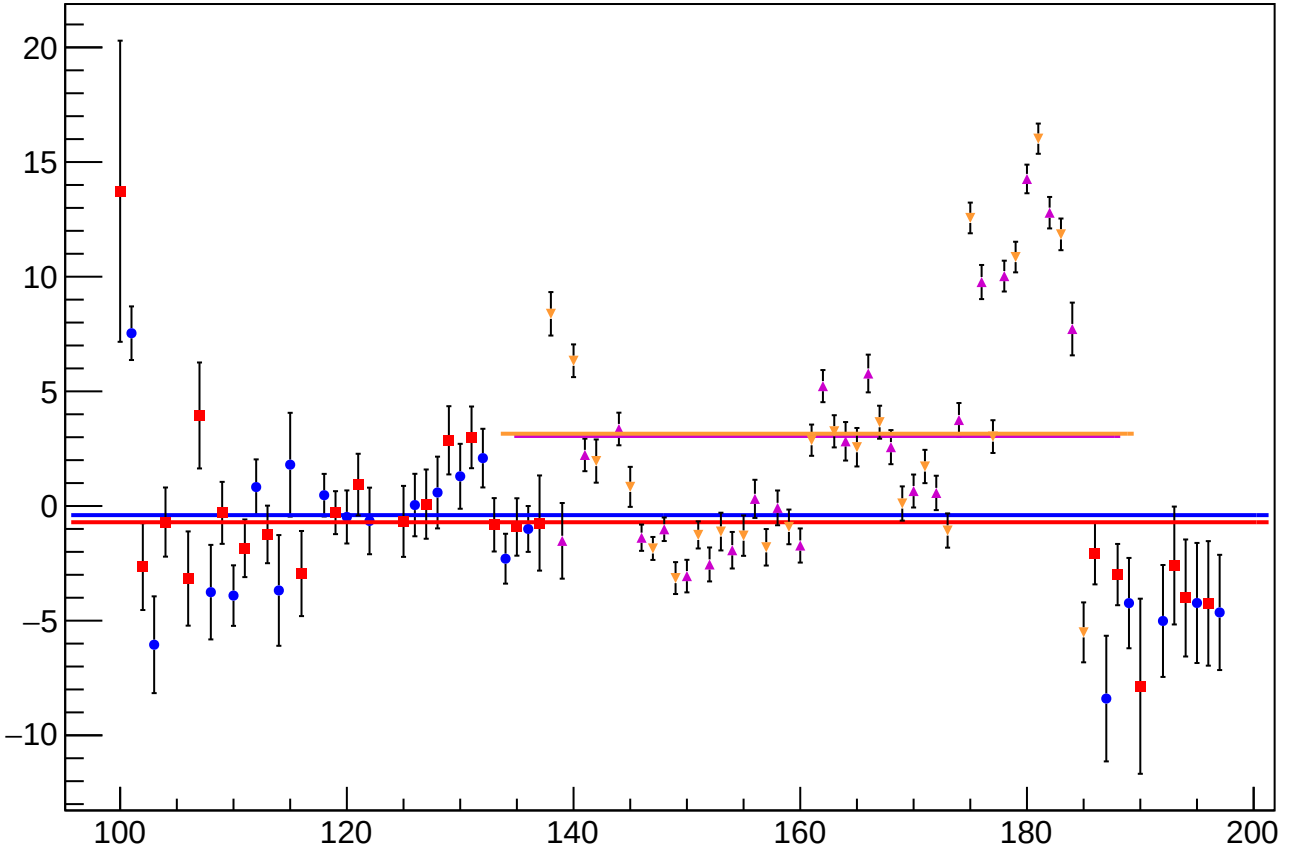
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.643+/-0.161 χ^2/NDF: 7376.4/44

All: -5.399+/-0.113 χ^2/NDF: 16414.9/91

- sign -4.196+/-0.158 χ^2/NDF: 8920.9/46

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.398+/-0.317 χ^2/NDF: 97.7/20

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.707+/-0.315 χ^2/NDF: 40.6/23

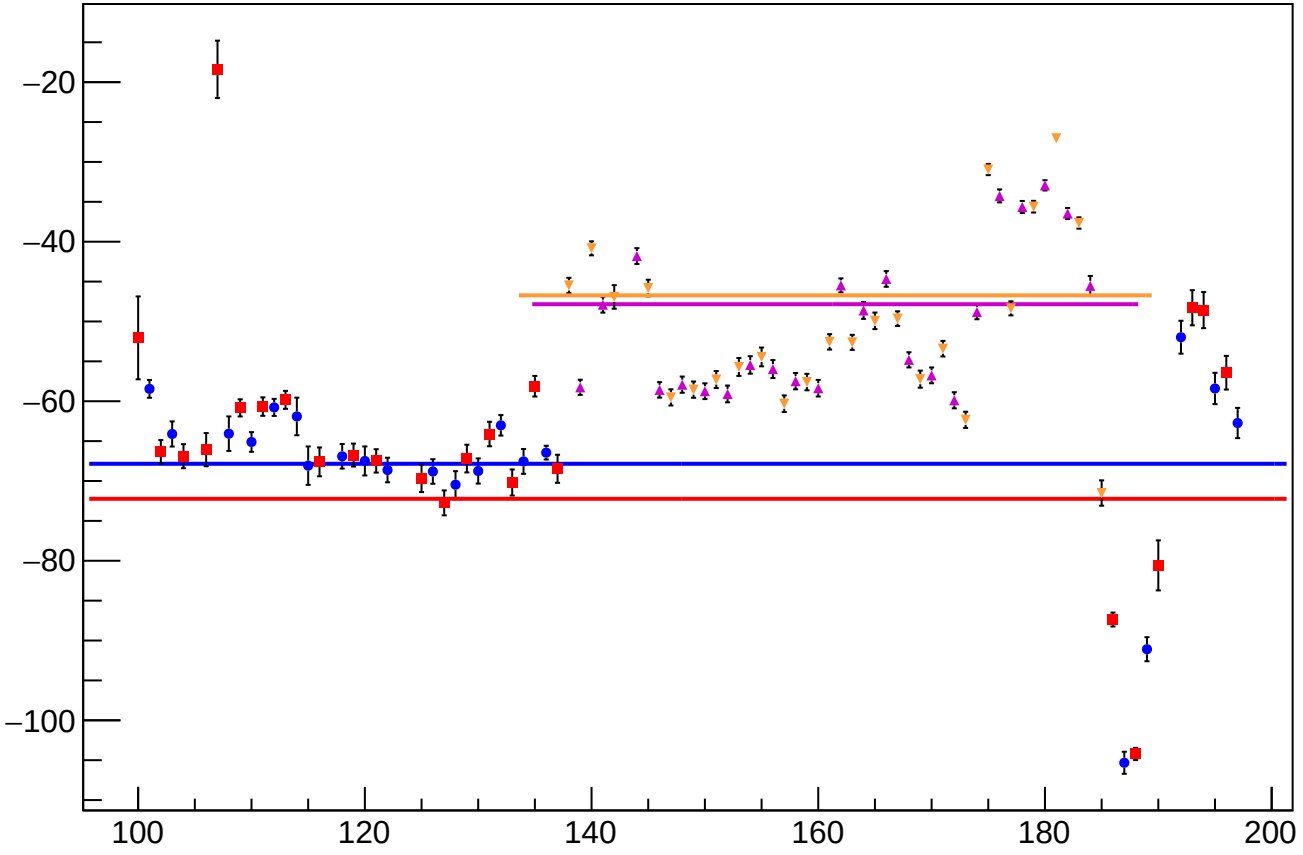
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.509+/-0.135 χ^2/NDF: 1585.6/44

All: 2.429+/-0.096 χ^2/NDF: 2887.4/91

- sign 2.346+/-0.137 χ^2/NDF: 1301.1/46

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -67.842+/-0.321 χ^2/NDF: 1218.7/20

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -72.233+/-0.296 χ^2/NDF: 3141.2/23

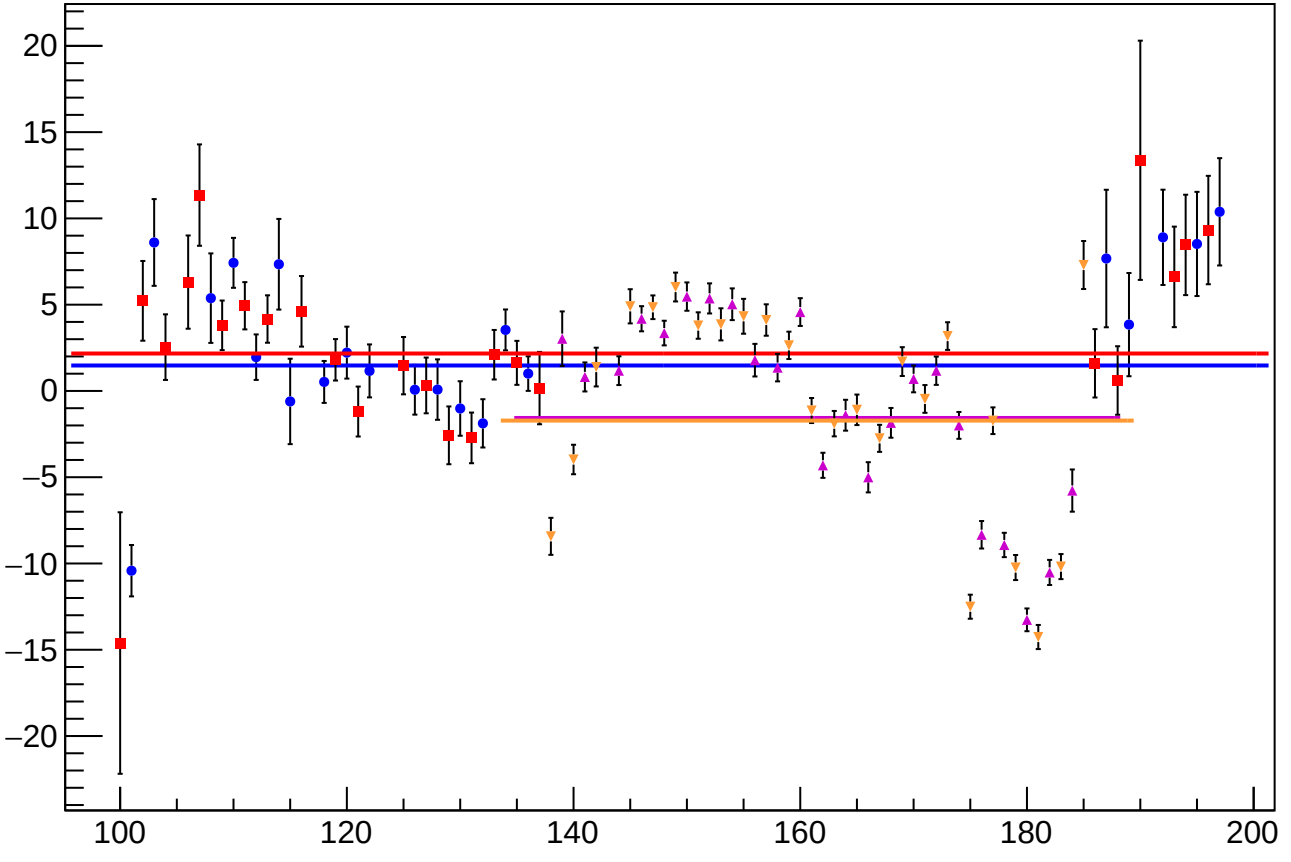
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.274+/-0.164 χ^2/NDF: 7859.2/44

All: -53.744+/-0.115 χ^2/NDF: 18479.3/91

- sign -55.172+/-0.162 χ^2/NDF: 10462.6/46

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.475+/-0.363 χ^2/NDF: 134.7/20

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.169+/-0.366 χ^2/NDF: 70.4/23

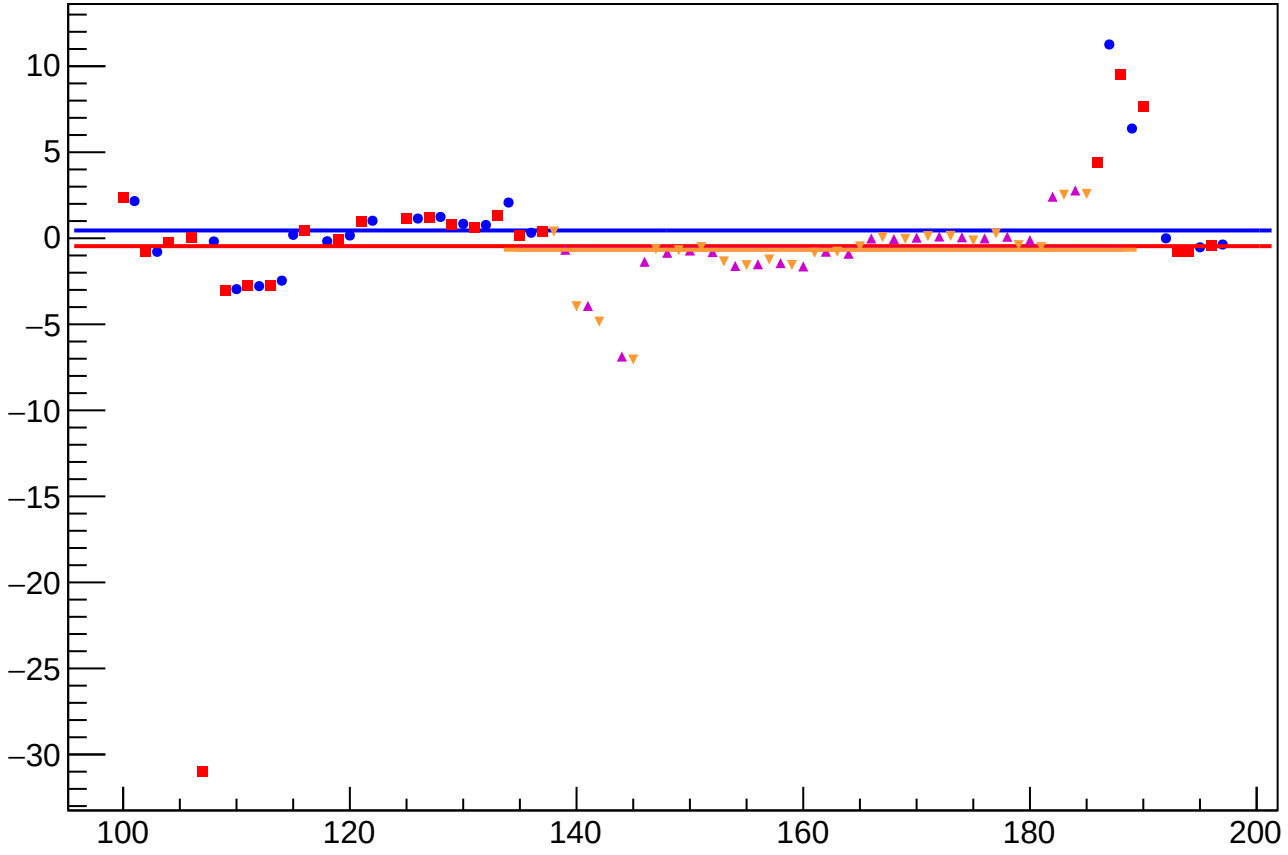
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.155+/-0.152 χ^2/NDF: 1604.7/44

All: -1.030+/-0.109 χ^2/NDF: 2879.7/91

- sign -0.901+/-0.155 χ^2/NDF: 1273.6/46

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.454+/-0.019 χ^2/NDF: 9615.2/20

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.458+/-0.020 χ^2/NDF: 59938.3/23

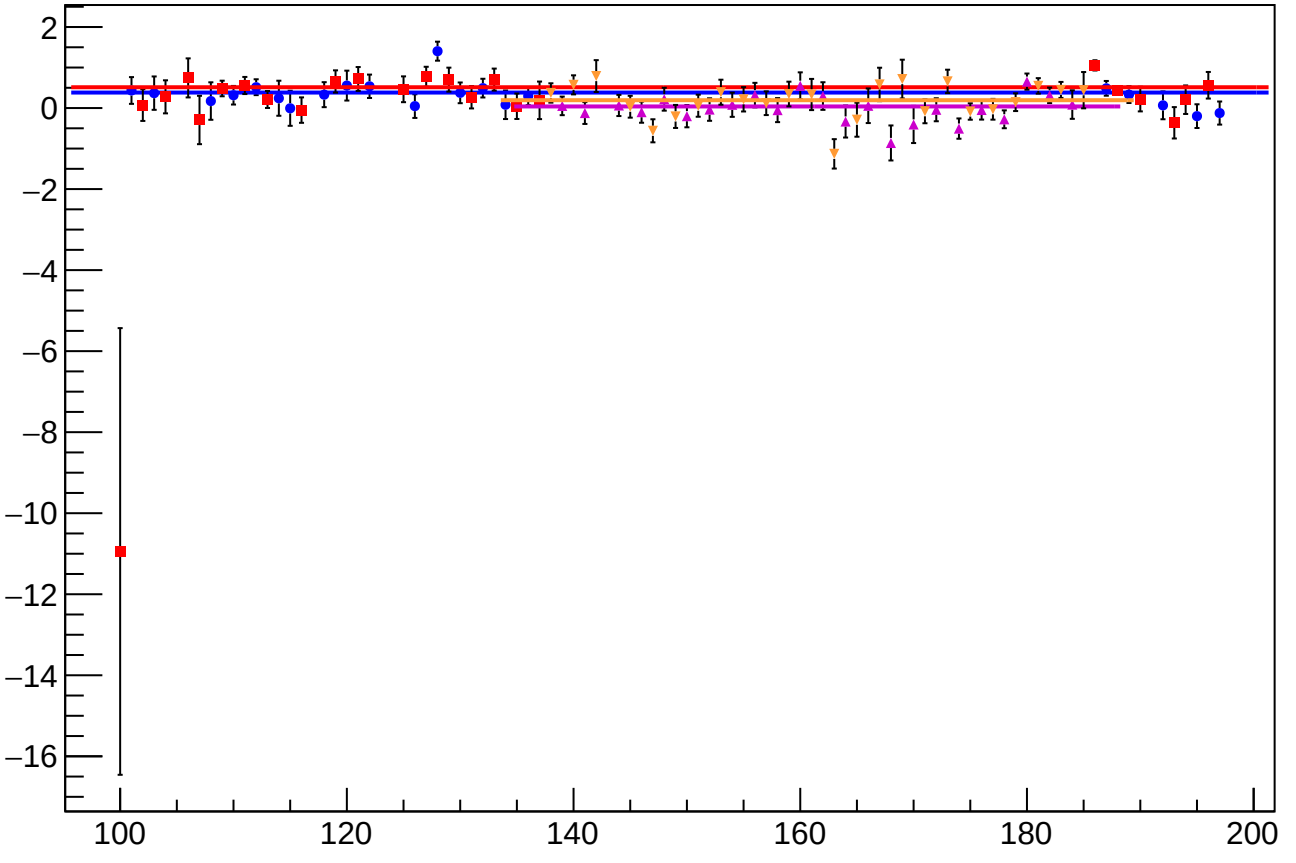
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.519+/-0.007 χ^2/NDF: 67810.7/44

All: -0.570+/-0.005 χ^2/NDF: 173506.7/91

- sign -0.622+/-0.007 χ^2/NDF: 105587.2/46

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.382+/-0.059 χ^2/NDF: 31.9/20

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.513+/-0.050 χ^2/NDF: 45.4/23

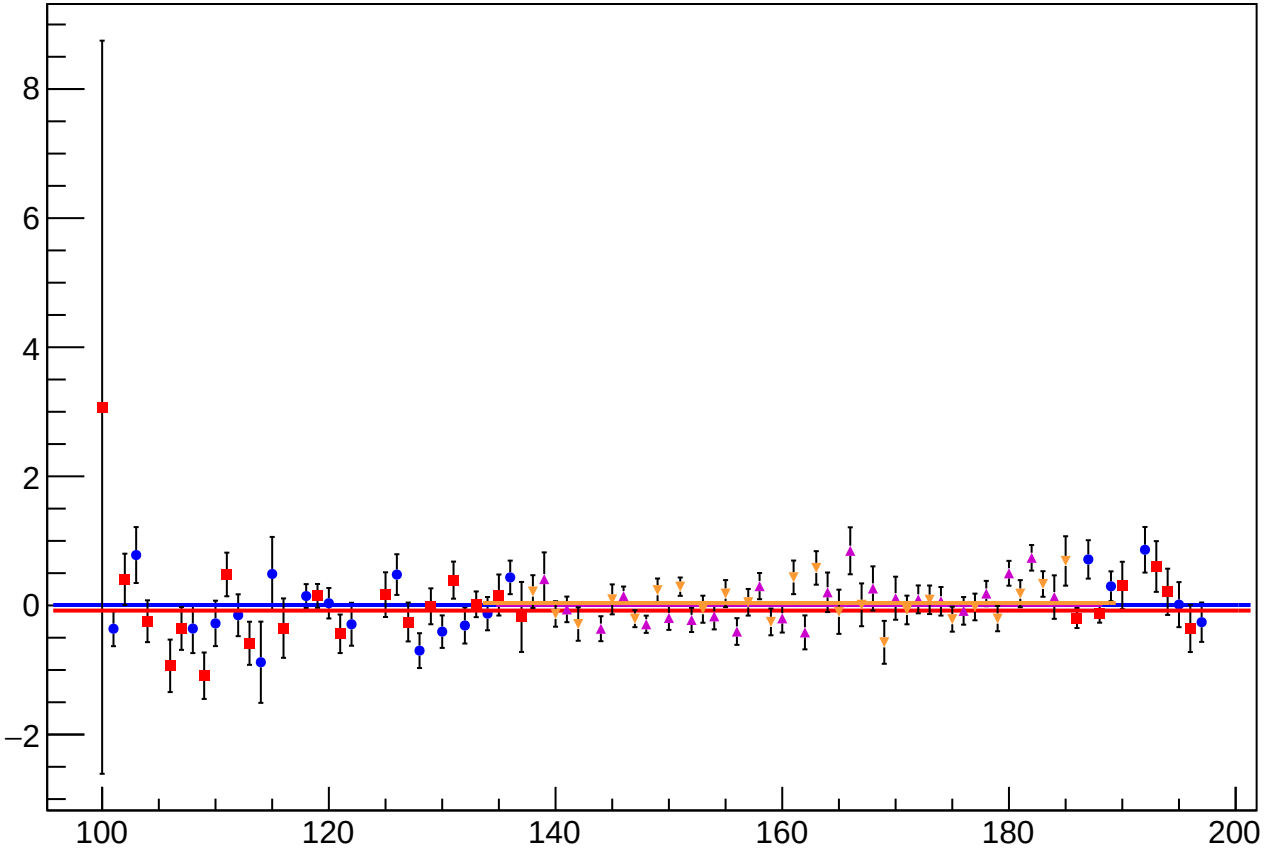
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.284+/-0.041 χ^2/NDF: 81.4/44

All: 0.297+/-0.028 χ^2/NDF: 195.9/91

- sign 0.309+/-0.038 χ^2/NDF: 114.3/46

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.007+/-0.064 χ^2/NDF: 40.8/20

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.080+/-0.058 χ^2/NDF: 33.9/23

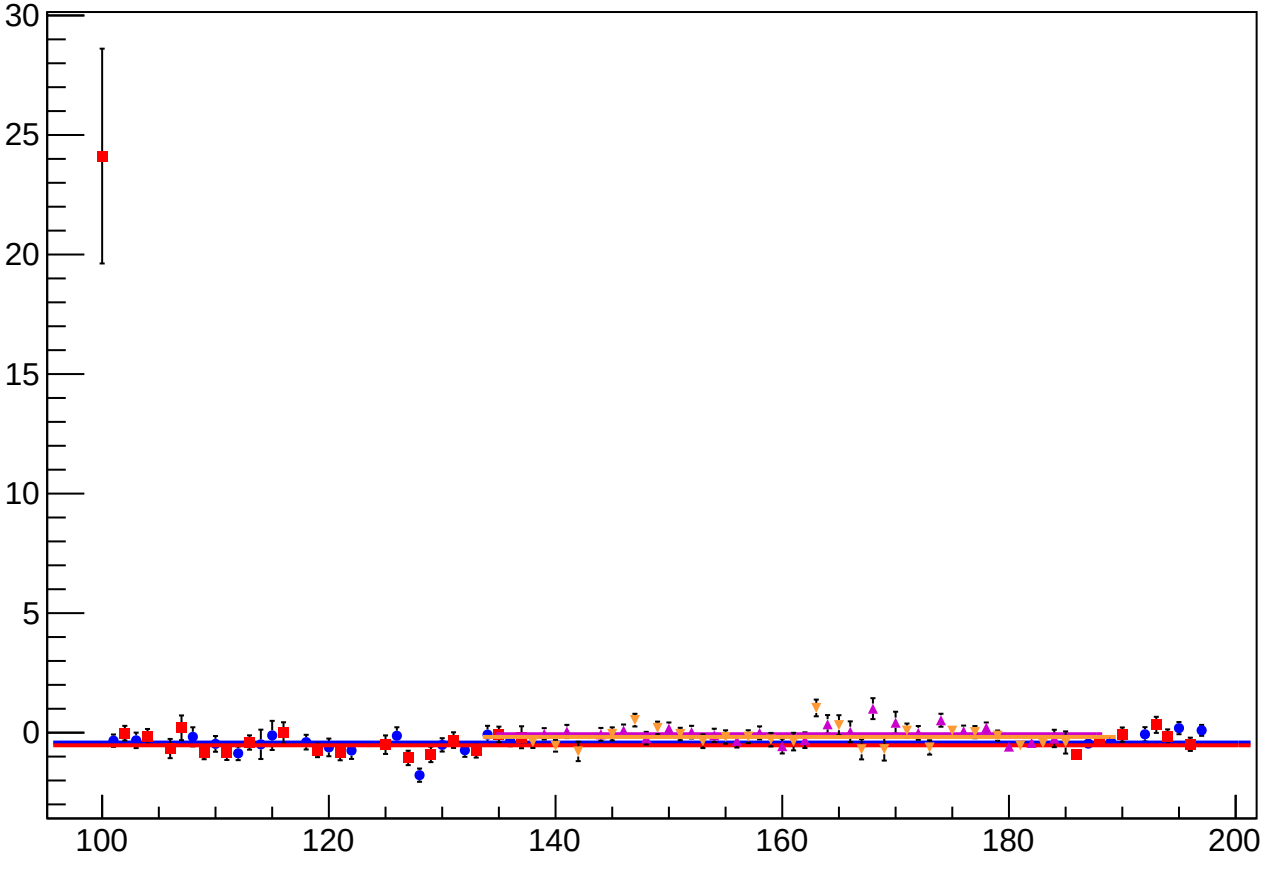
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.028+/-0.036 χ^2/NDF: 73.8/44

All: 0.001+/-0.025 χ^2/NDF: 161.6/91

- sign -0.024+/-0.035 χ^2/NDF: 86.7/46

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.414+/-0.060 χ^2/NDF: 43.8/20

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.528+/-0.048 χ^2/NDF: 75.0/23

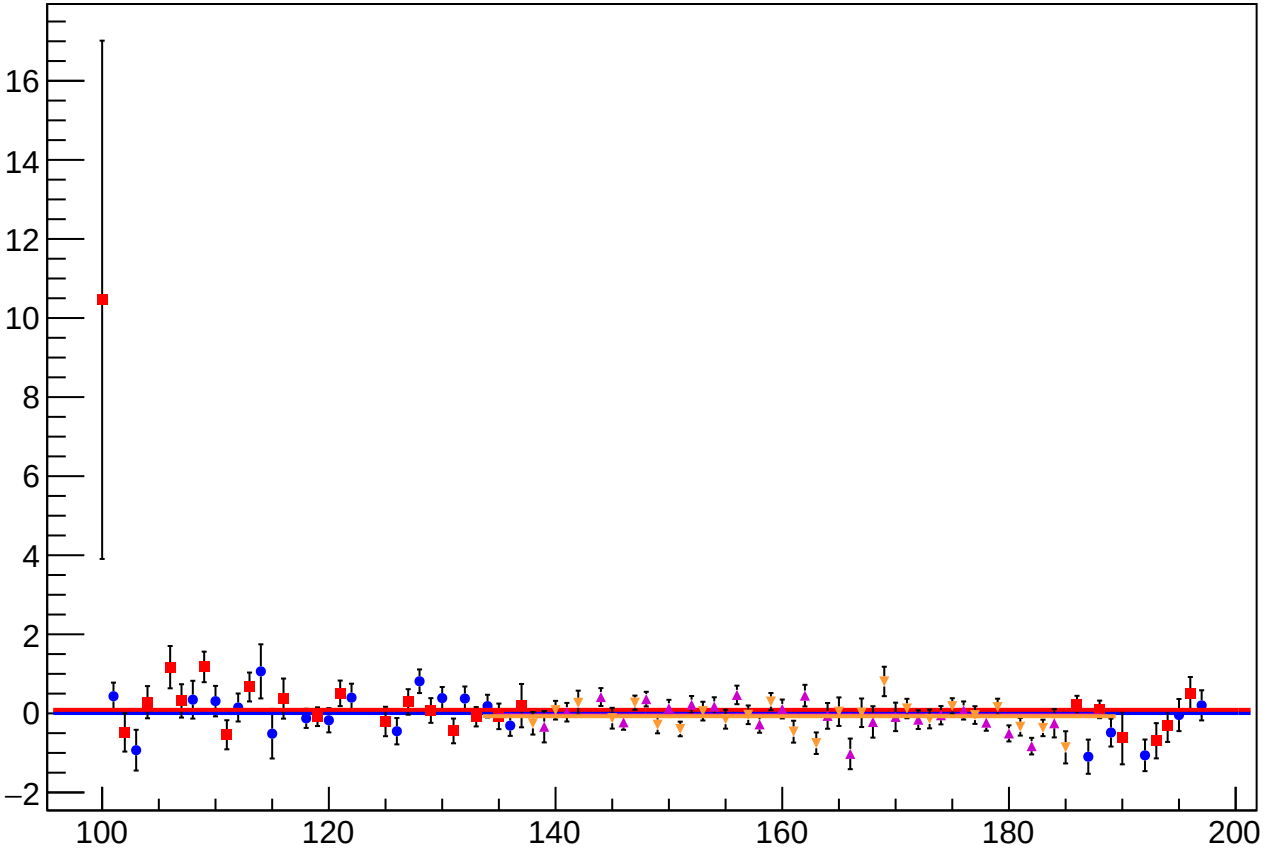
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.289+/-0.041 χ^2/NDF: 94.2/44

All: -0.316+/-0.027 χ^2/NDF: 240.0/91

- sign -0.337+/-0.037 χ^2/NDF: 145.1/46

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.009+/-0.076 χ^2/NDF: 41.2/20

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.090+/-0.071 χ^2/NDF: 35.5/23

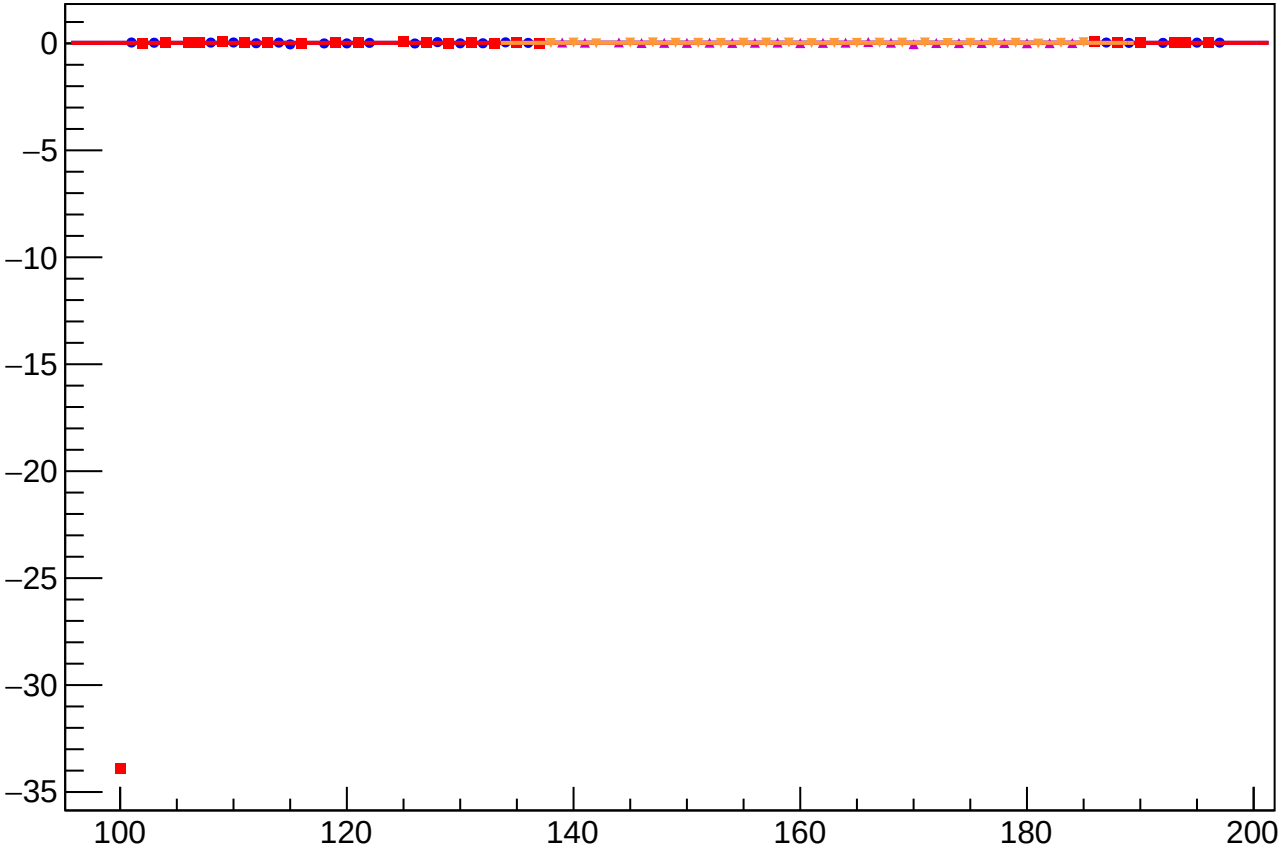
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

\+ sign -0.048+/-0.041 χ^2/NDF: 79.8/44

All: -0.025+/-0.029 χ^2/NDF: 168.8/91

\- sign -0.002+/-0.041 χ^2/NDF: 88.4/46

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.029+/-0.004 χ^2/NDF: 15.8/20

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.025+/-0.004 χ^2/NDF: 22304.6/23

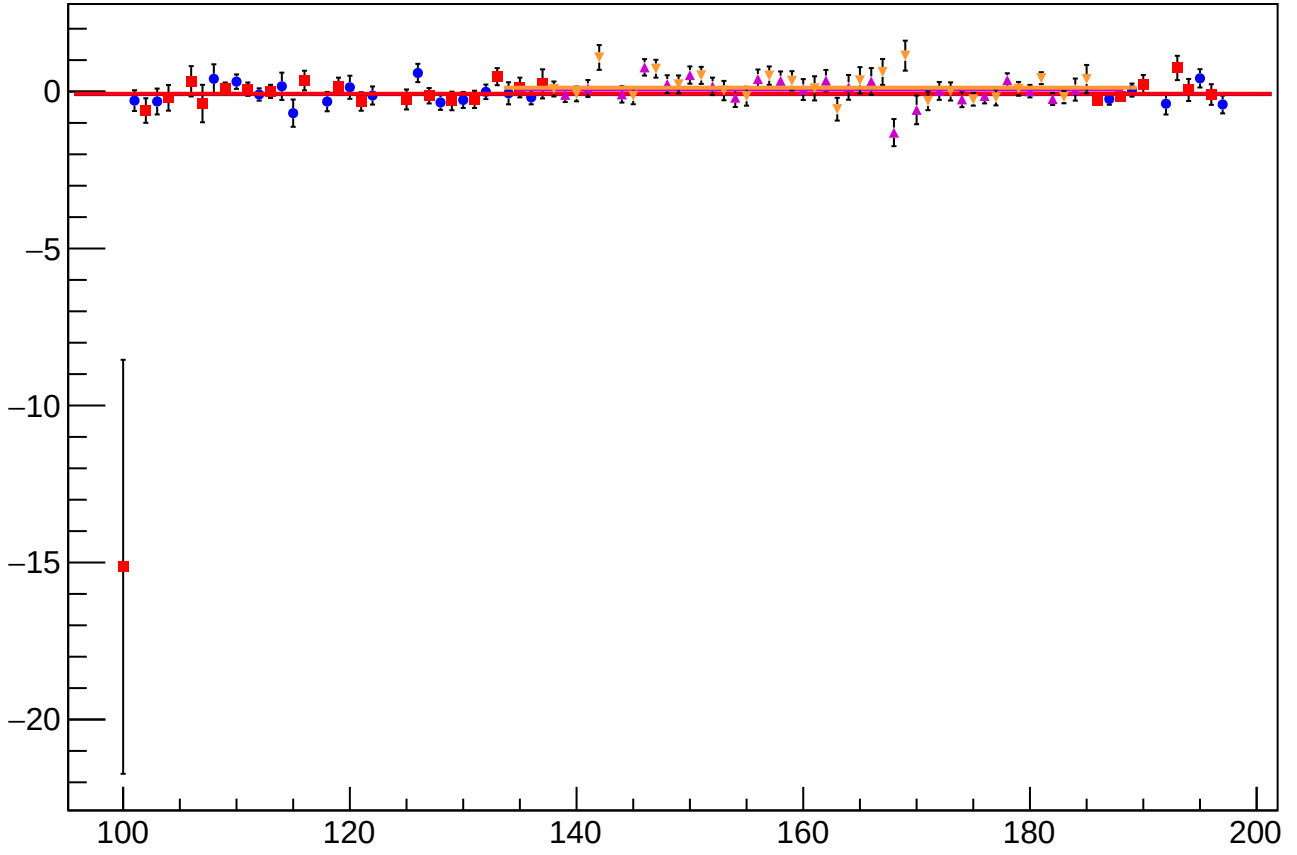
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.027+/-0.002 χ^2/NDF: 47.5/44

All: 0.026+/-0.001 χ^2/NDF: 22391.8/91

- sign 0.026+/-0.002 χ^2/NDF: 22344.2/46

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.083+/-0.059 χ^2/NDF: 21.8/20

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.071+/-0.050 χ^2/NDF: 28.5/23

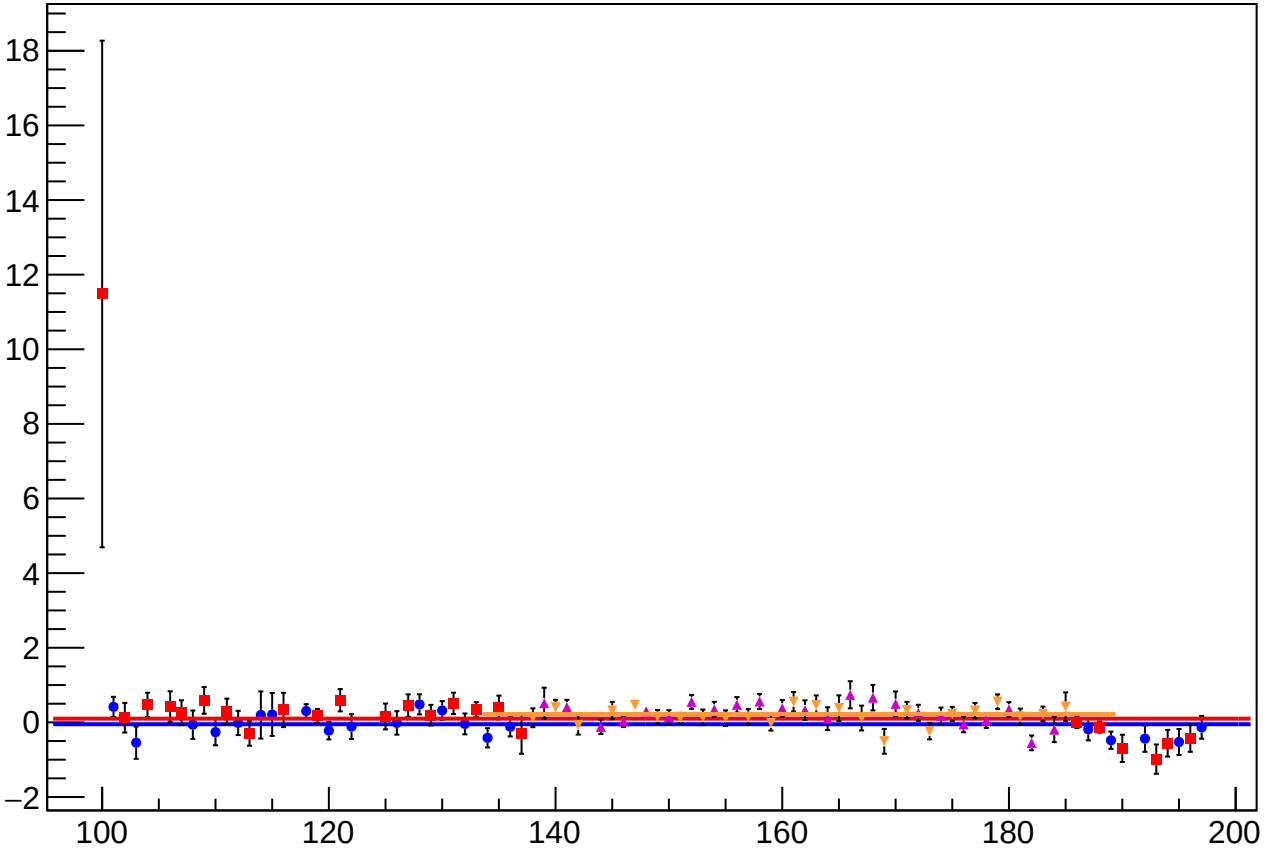
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.024+/-0.041 χ^2/NDF: 67.6/44

All: 0.004+/-0.028 χ^2/NDF: 133.9/91

- sign -0.013+/-0.038 χ^2/NDF: 65.8/46

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.050+/-0.064 χ^2/NDF: 24.1/20

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.100+/-0.058 χ^2/NDF: 38.6/23

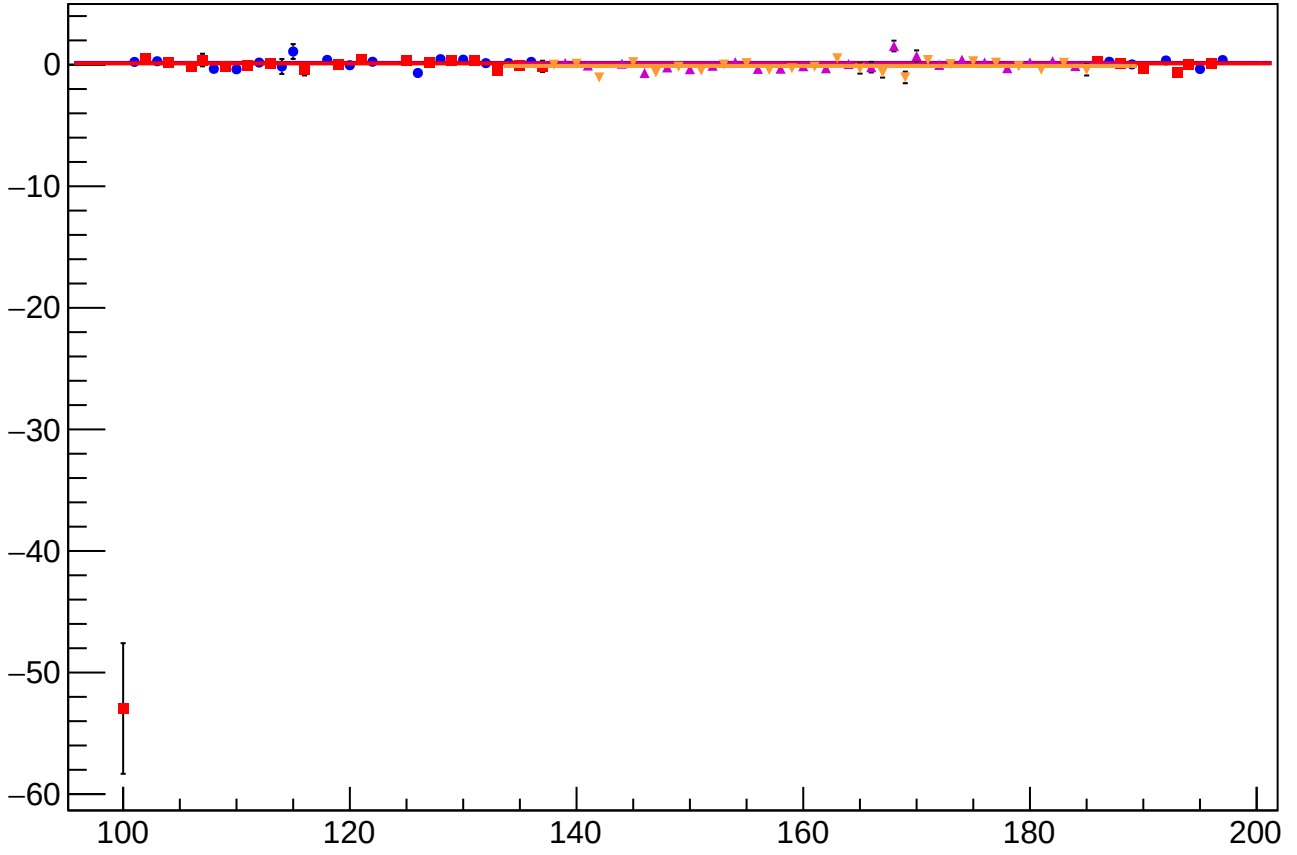
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.139+/-0.036 χ^2/NDF: 60.9/44

All: 0.158+/-0.025 χ^2/NDF: 142.2/91

- sign 0.176+/-0.035 χ^2/NDF: 80.7/46

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.148+/-0.060 χ^2/NDF: 21.9/20

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.111+/-0.048 χ^2/NDF: 118.4/23

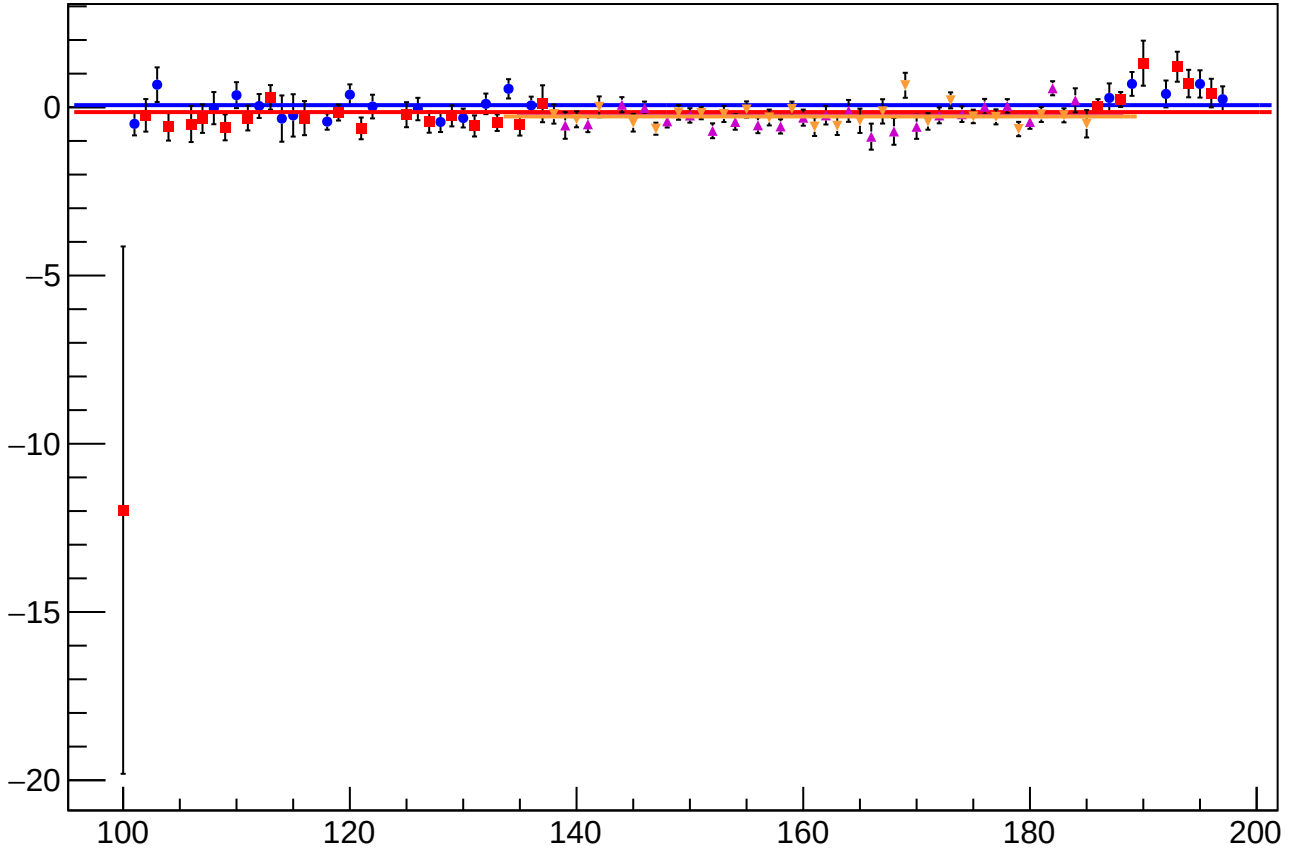
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.014+/-0.041 χ^2/NDF: 69.0/44

All: 0.040+/-0.027 χ^2/NDF: 228.7/91

- sign 0.062+/-0.037 χ^2/NDF: 159.0/46

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.064+/-0.076 χ^2/NDF: 24.8/20

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.143+/-0.071 χ^2/NDF: 38.7/23

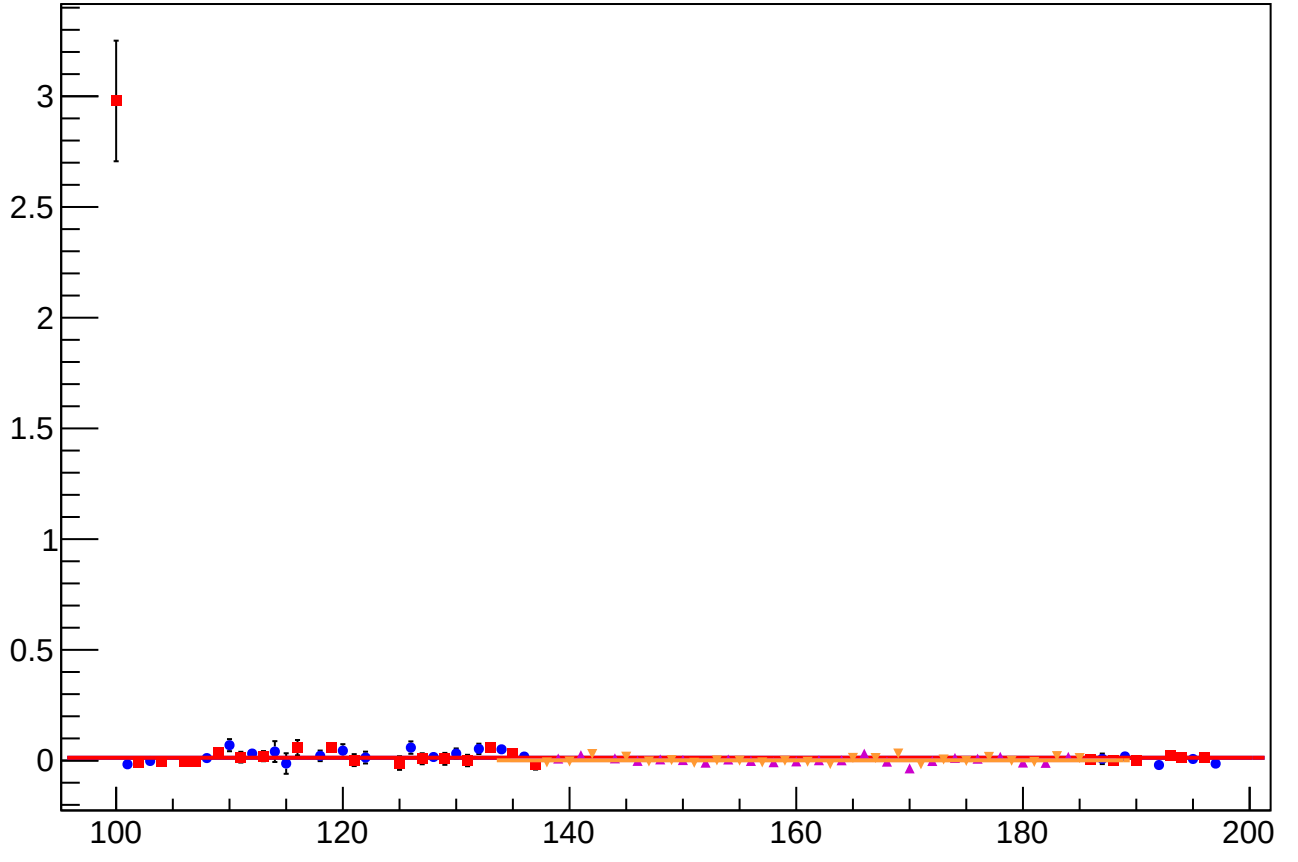
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.172+/-0.041 χ^2/NDF: 63.4/44

All: -0.195+/-0.029 χ^2/NDF: 144.9/91

- sign -0.217+/-0.041 χ^2/NDF: 80.9/46

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.012+/-0.004 χ^2/NDF: 36.9/20

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.013+/-0.004 χ^2/NDF: 143.2/23

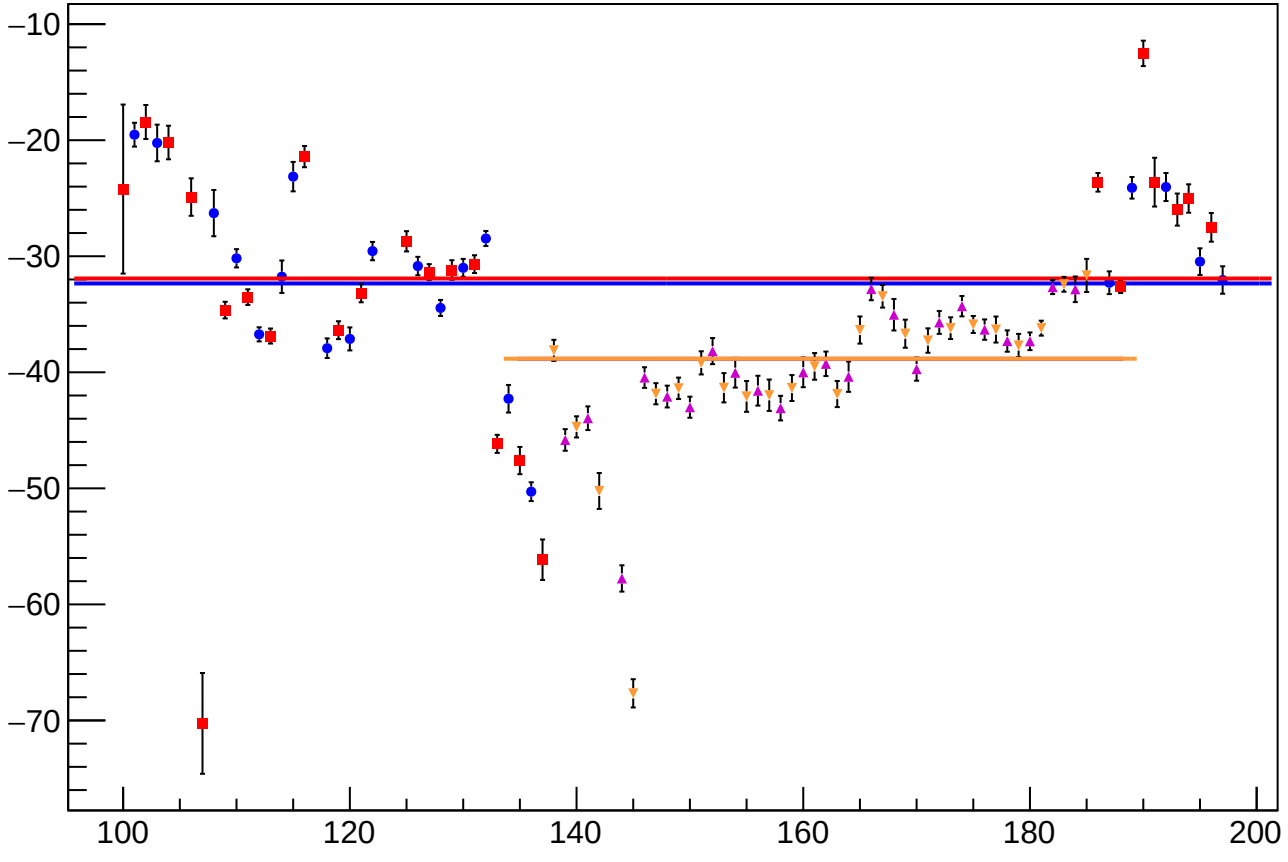
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.004+/-0.002 χ^2/NDF: 70.1/44

All: 0.005+/-0.001 χ^2/NDF: 244.0/91

- sign 0.005+/-0.002 χ^2/NDF: 173.8/46

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -32.344+/-0.198 χ^2/NDF: 1156.1/20

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.919+/-0.184 χ^2/NDF: 1720.5/24

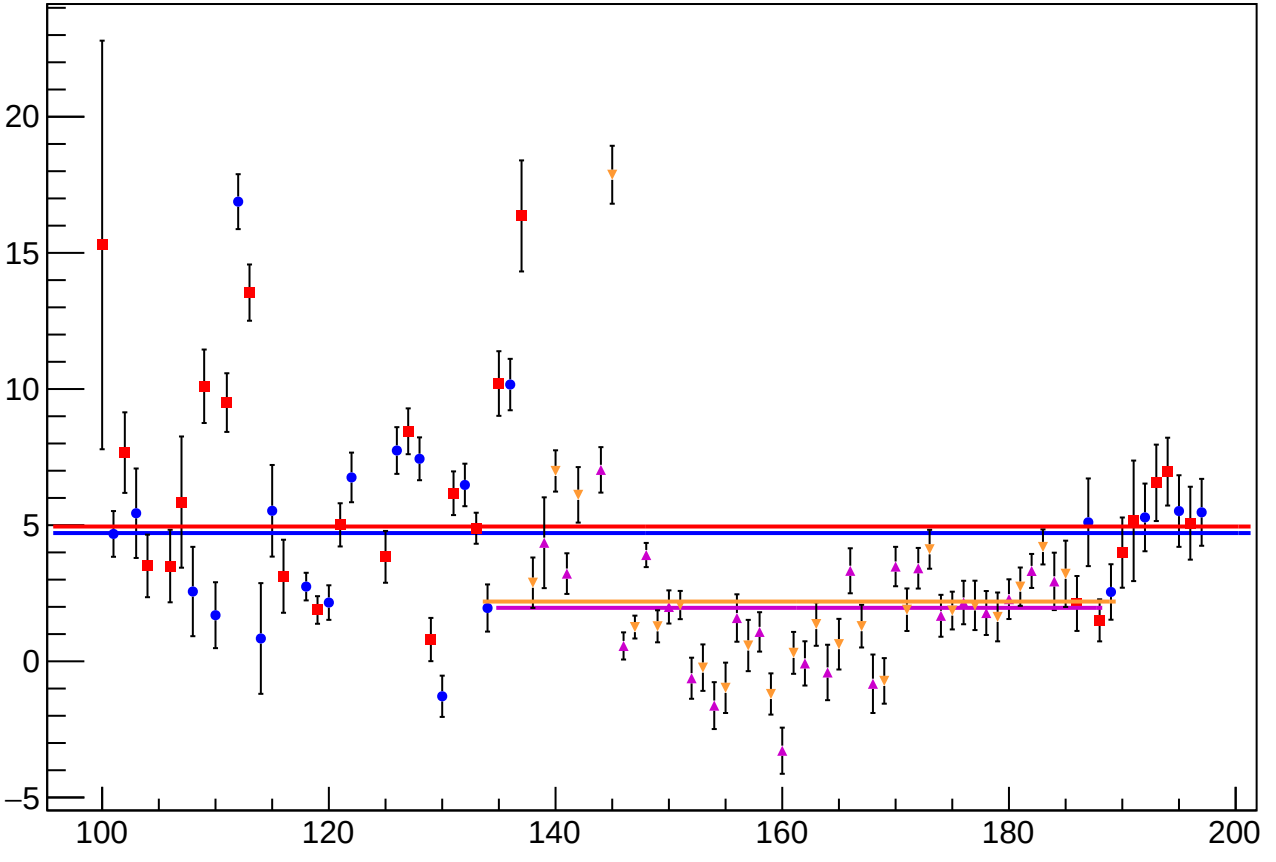
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

\+ sign -35.528+/-0.142 χ^2/NDF: 2597.5/44

All: -35.274+/-0.098 χ^2/NDF: 5612.8/92

\- sign -35.039+/-0.137 χ^2/NDF: 3009.1/47

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.710+/-0.204 χ^2/NDF: 335.1/20

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.951+/-0.199 χ^2/NDF: 279.7/24

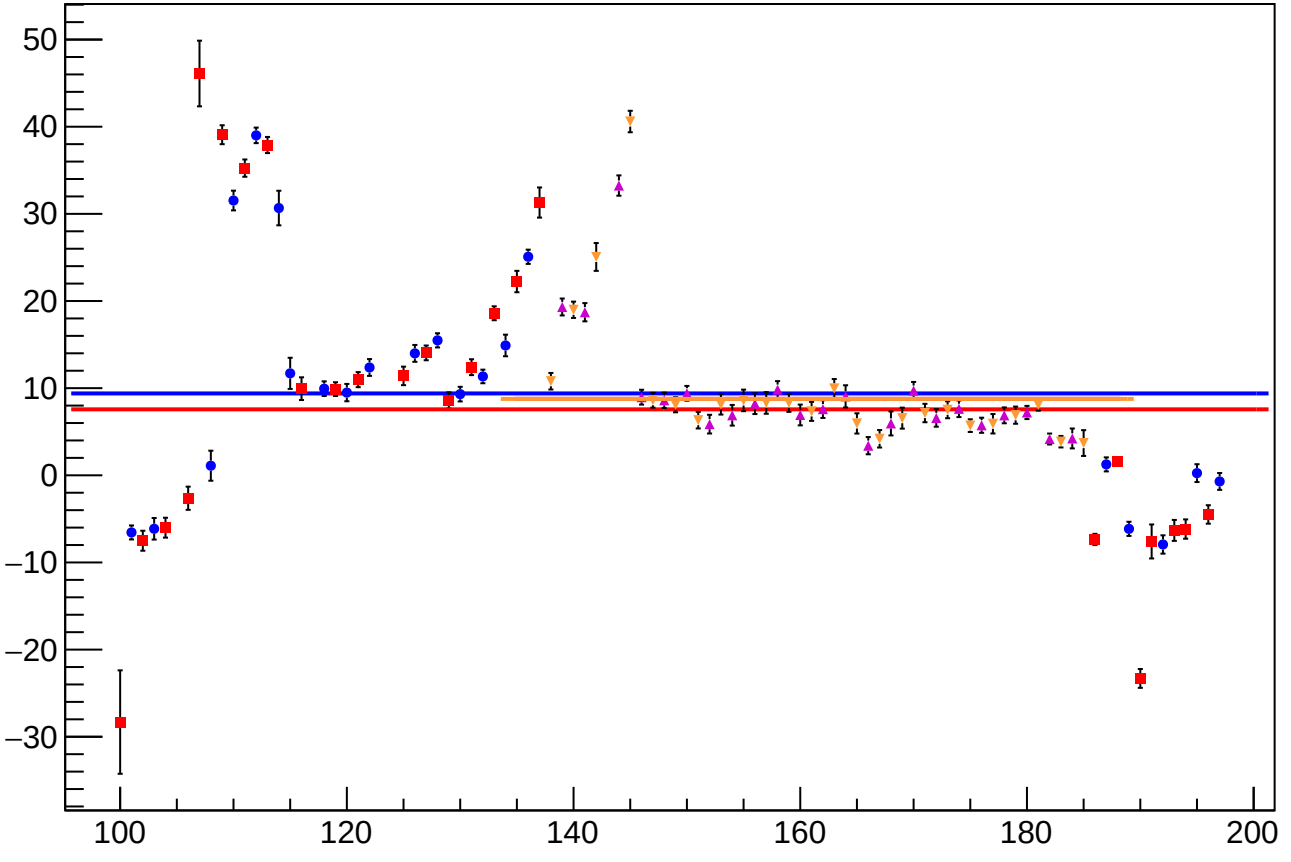
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.095+/-0.122 χ^2/NDF: 797.9/44

All: 3.092+/-0.086 χ^2/NDF: 1391.1/92

- sign 3.088+/-0.122 χ^2/NDF: 593.2/47

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 9.396+/-0.211 χ^2/NDF: 3588.8/20

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 7.569+/-0.193 χ^2/NDF: 5872.5/24

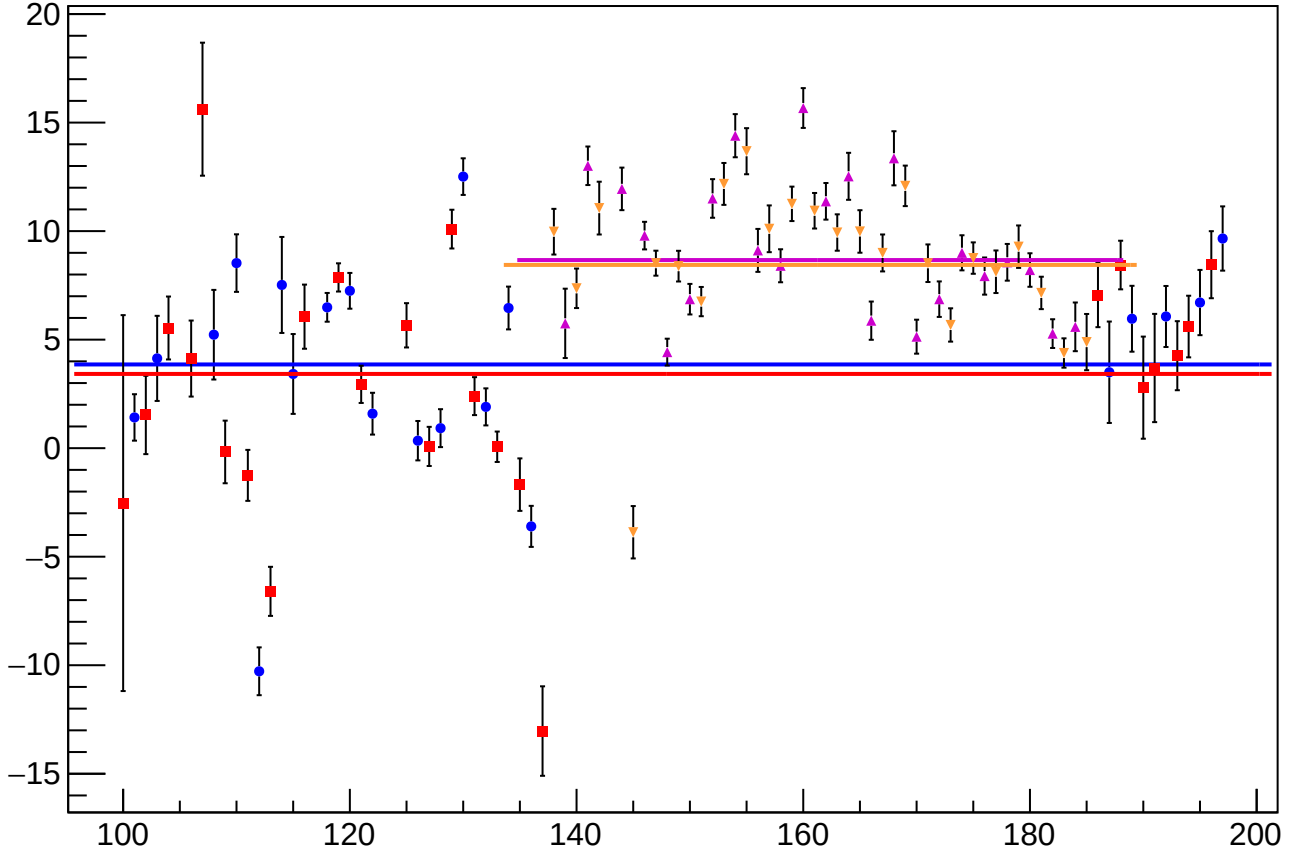
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 9.064+/-0.145 χ^2/NDF: 4628.9/44

All: 8.584+/-0.101 χ^2/NDF: 11336.0/92

- sign 8.144+/-0.139 χ^2/NDF: 6686.3/47

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.857+/-0.239 χ^2/NDF: 453.2/20

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.420+/-0.236 χ^2/NDF: 390.2/24

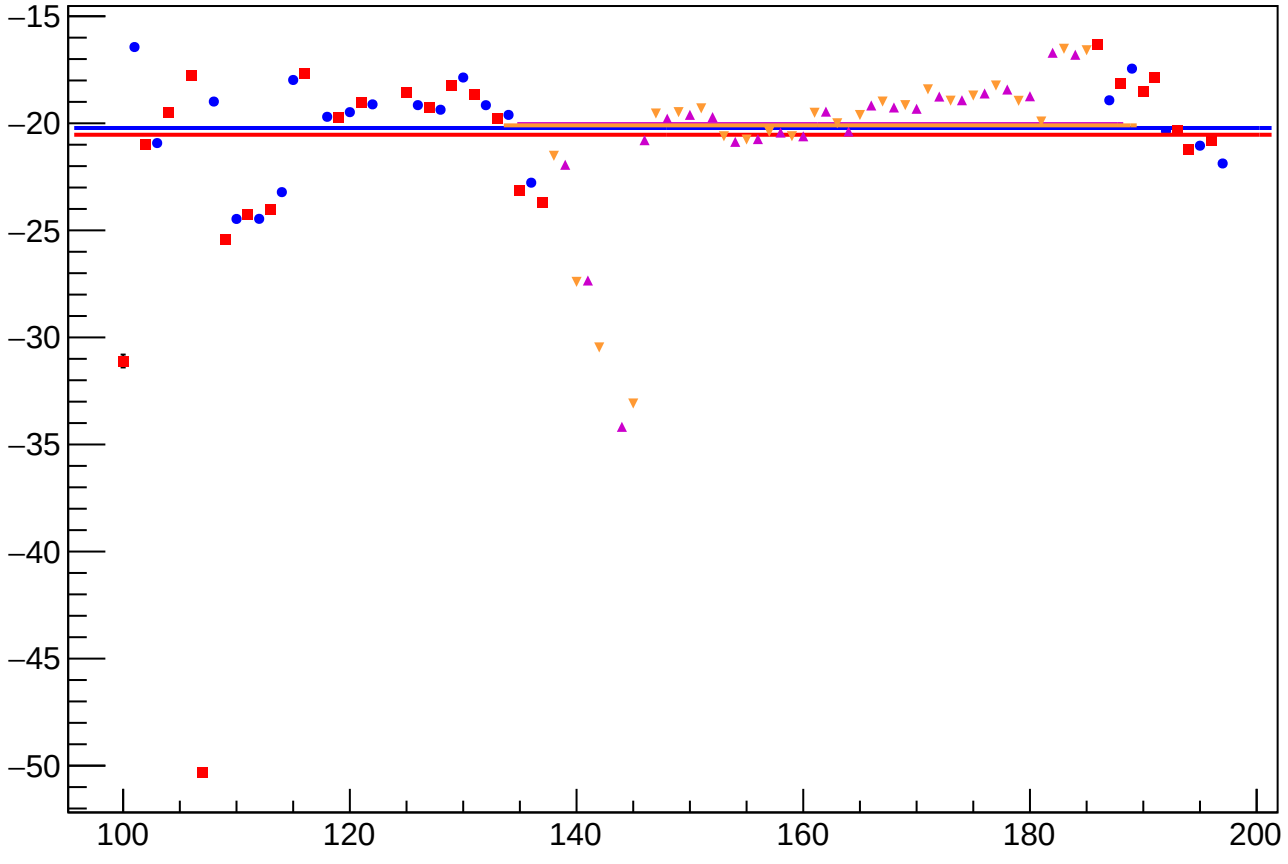
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.856+/-0.140 χ^2/NDF: 958.9/44

All: 6.824+/-0.099 χ^2/NDF: 1972.7/92

\- sign 6.792+/-0.141 χ^2/NDF: 1013.7/47

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.219+/-0.013 χ^2/NDF: 23743.7/20

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.535+/-0.013 χ^2/NDF: 64884.9/24

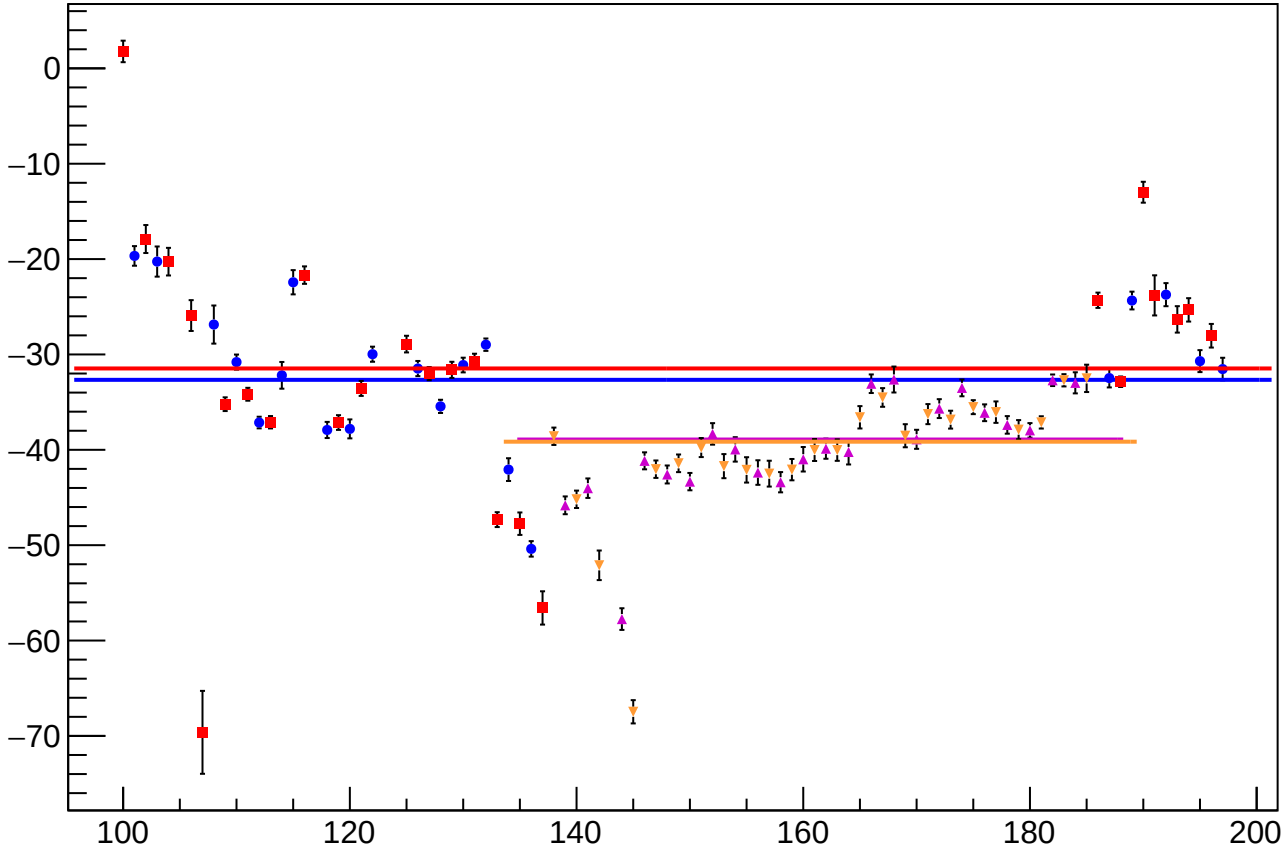
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.128+/-0.007 χ^2/NDF: 183100.6/44

All: -20.151+/-0.005 χ^2/NDF: 381381.4/92

- sign -20.173+/-0.007 χ^2/NDF: 198259.1/47

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.662+/-0.199 χ^2/NDF: 1162.3/20

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.469+/-0.182 χ^2/NDF: 2647.8/24

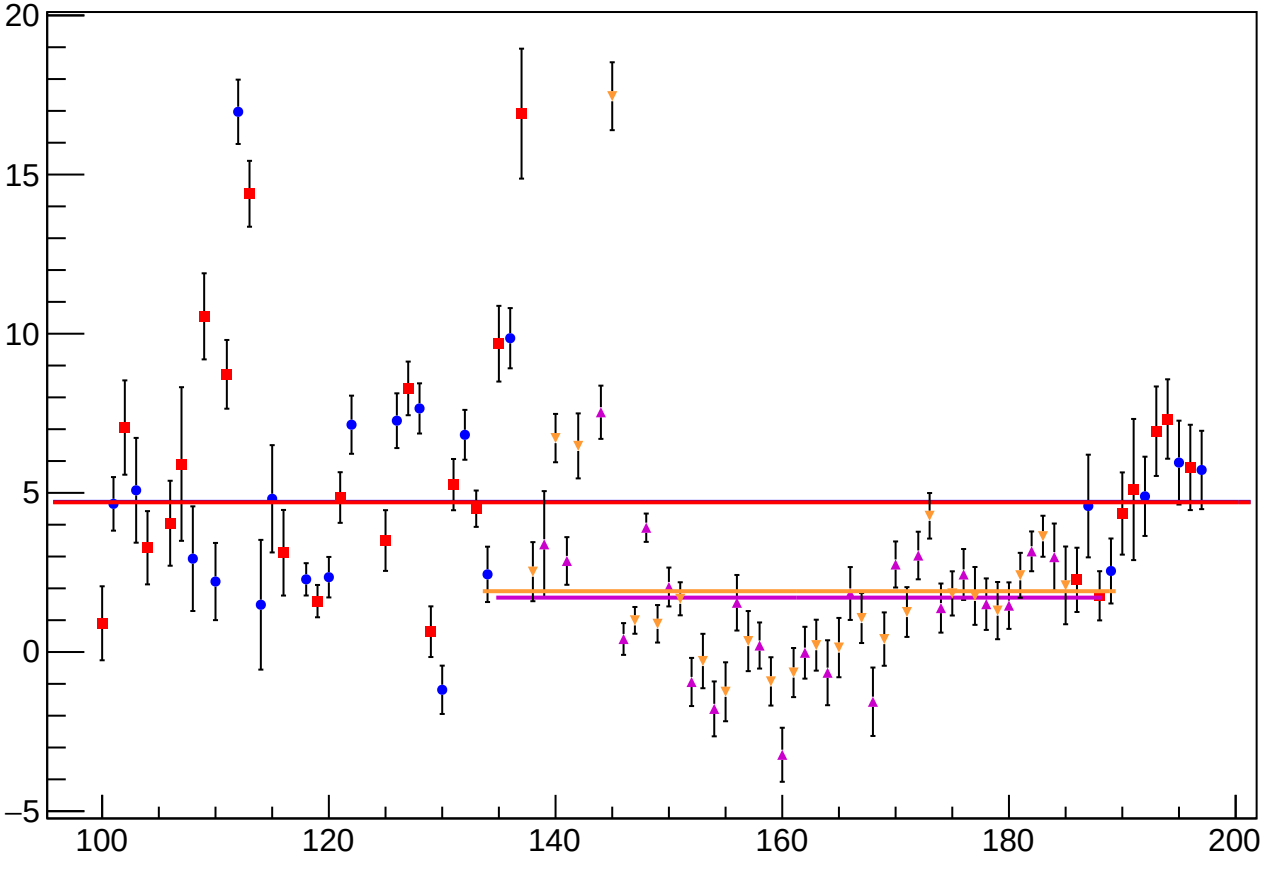
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -35.846+/-0.142 χ^2/NDF: 2583.6/44

All: -35.291+/-0.098 χ^2/NDF: 6688.0/92

- sign -34.782+/-0.136 χ^2/NDF: 4075.0/47

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.717+/-0.204 χ^2/NDF: 331.8/20

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.704+/-0.197 χ^2/NDF: 301.8/24

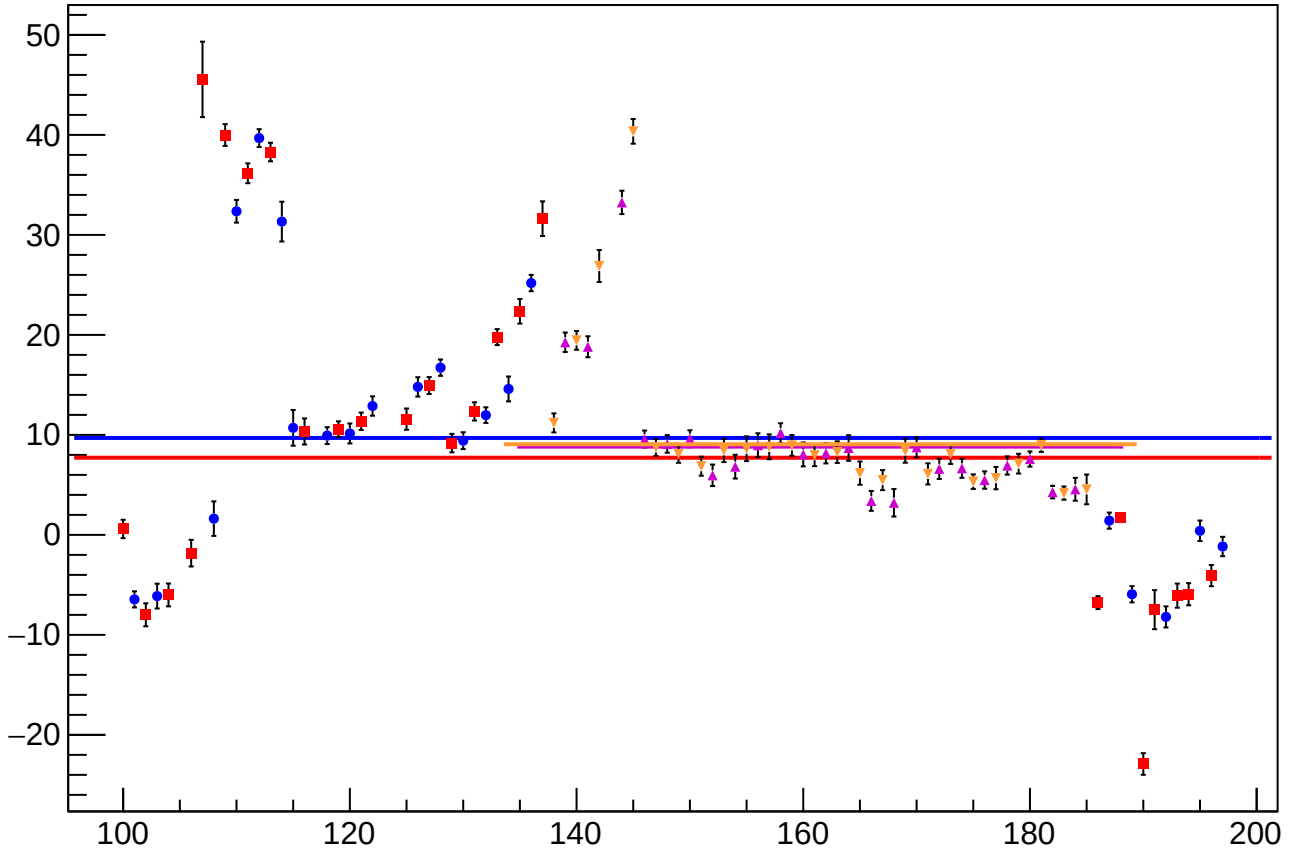
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.914+/-0.122 χ^2/NDF: 812.3/44

All: 2.885+/-0.086 χ^2/NDF: 1439.8/92

- sign 2.856+/-0.122 χ^2/NDF: 627.4/47

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 9.695+/-0.212 χ^2/NDF: 3697.6/20

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 7.716+/-0.189 χ^2/NDF: 5987.6/24

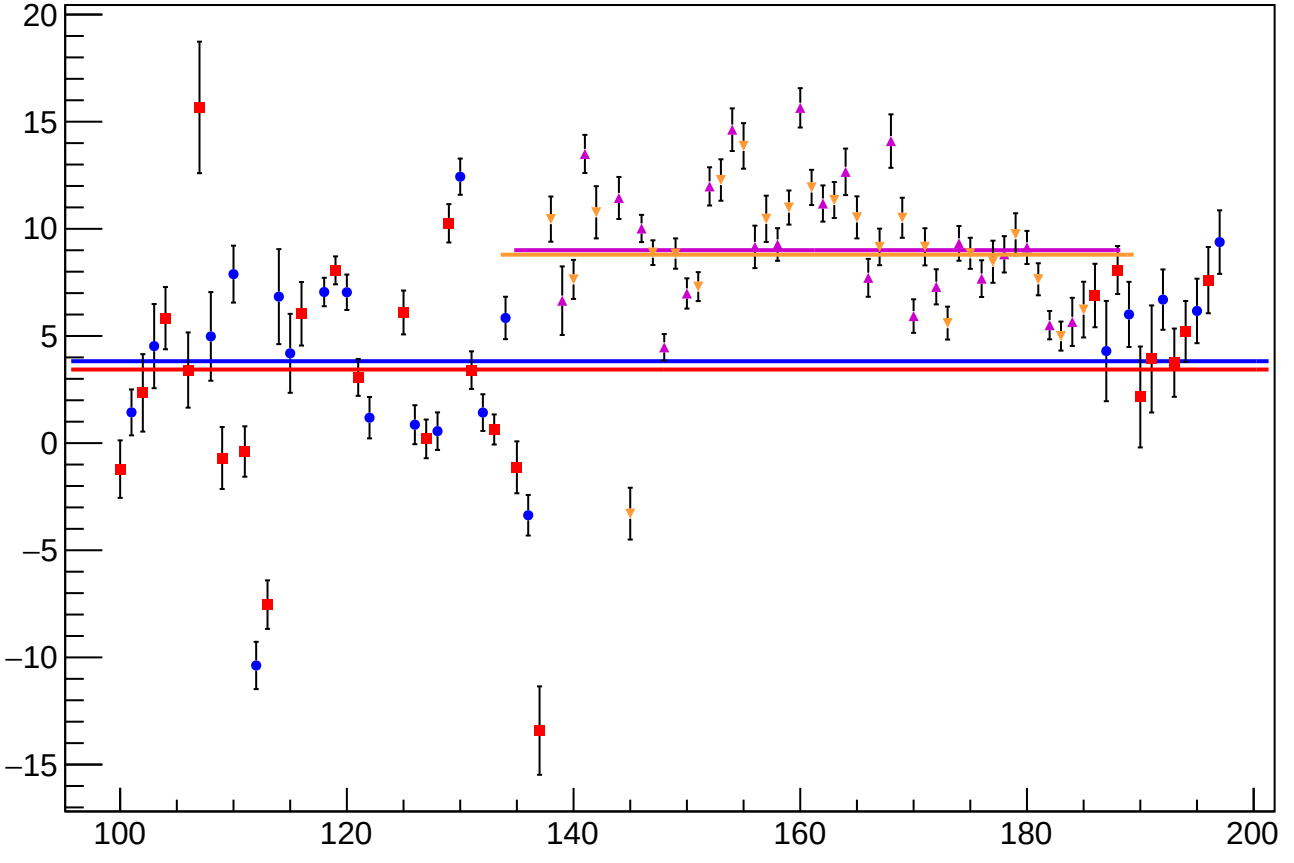
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 9.362+/-0.146 χ^2/NDF: 4735.8/44

All: 8.767+/-0.100 χ^2/NDF: 11572.5/92

- sign 8.234+/-0.138 χ^2/NDF: 6805.1/47

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.822+/-0.239 χ^2/NDF: 449.1/20

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.434+/-0.233 χ^2/NDF: 403.5/24

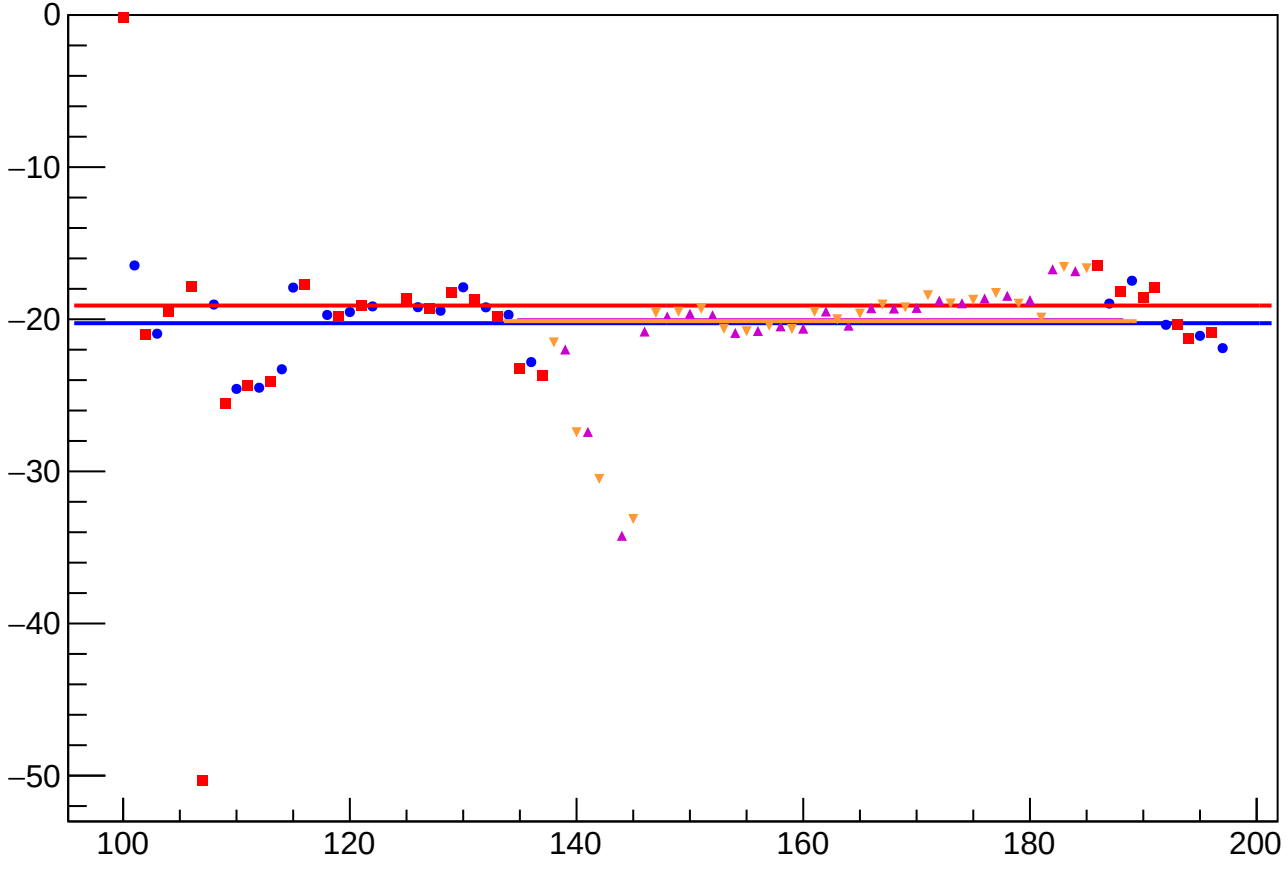
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.074+/-0.141 χ^2/NDF: 975.9/44

All: 7.025+/-0.099 χ^2/NDF: 2033.9/92

- sign 6.976+/-0.140 χ^2/NDF: 1057.8/47

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.259+/-0.013 χ^2/NDF: 23751.0/20

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.099+/-0.012 χ^2/NDF: 241323.6/24

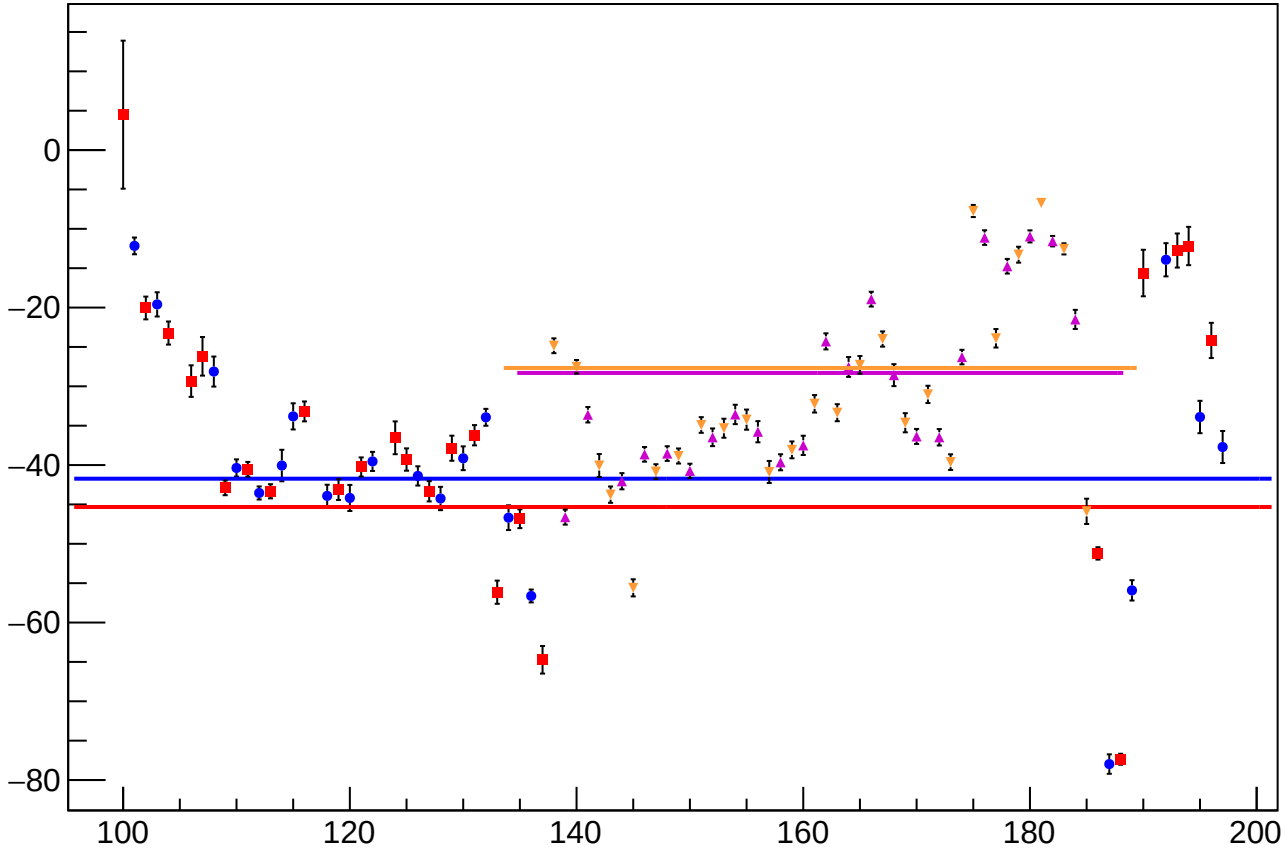
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.159+/-0.007 χ^2/NDF: 182407.0/44

All: -19.969+/-0.005 χ^2/NDF: 562212.9/92

- sign -19.786+/-0.007 χ^2/NDF: 378278.8/47

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -41.732+/-0.285 χ^2/NDF: 2643.3/20

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -45.326+/-0.258 χ^2/NDF: 3904.1/24

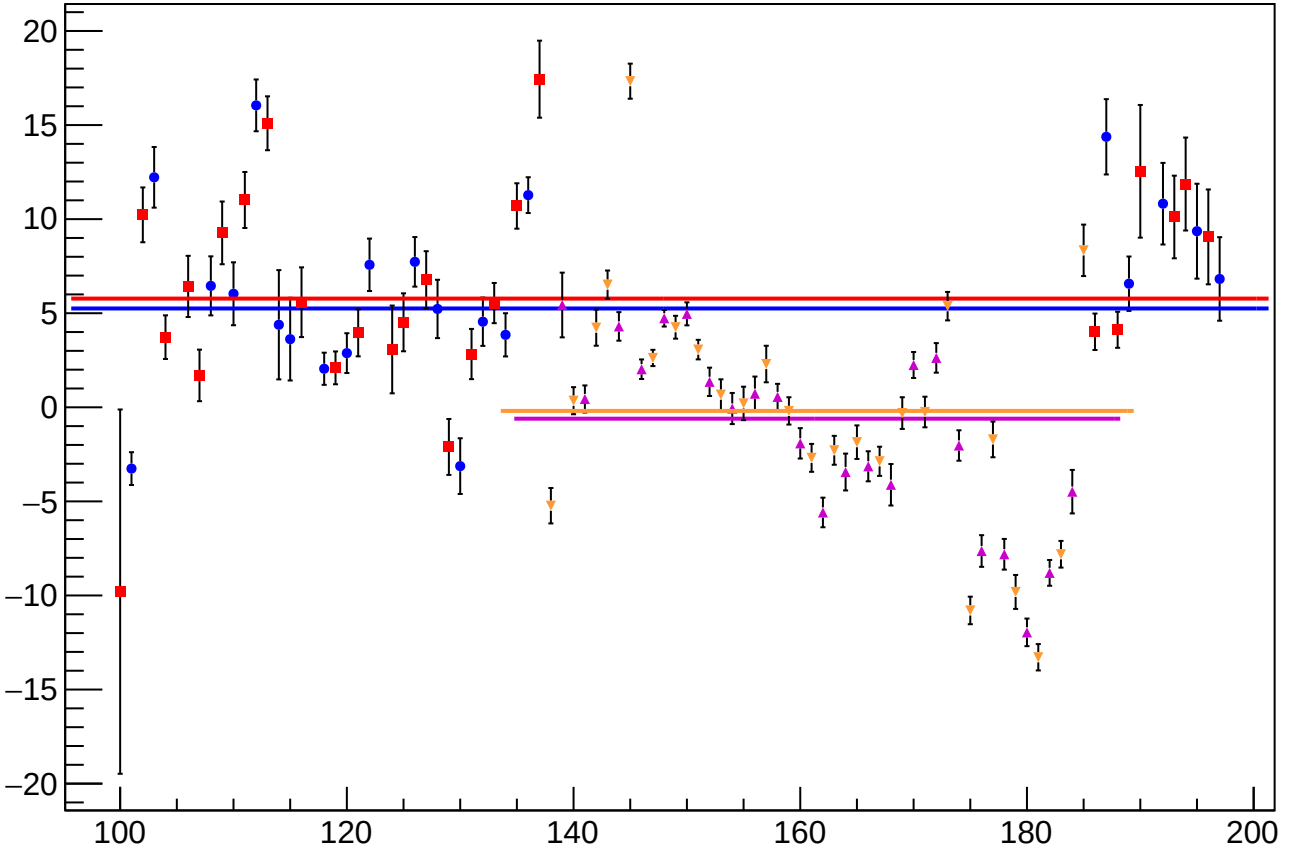
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.325+/-0.164 χ^2/NDF: 8670.1/45

All: -33.642+/-0.115 χ^2/NDF: 18631.3/93

- sign -34.911+/-0.161 χ^2/NDF: 9834.5/47

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.252+/-0.297 χ^2/NDF: 307.7/20

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.778+/-0.285 χ^2/NDF: 209.3/24

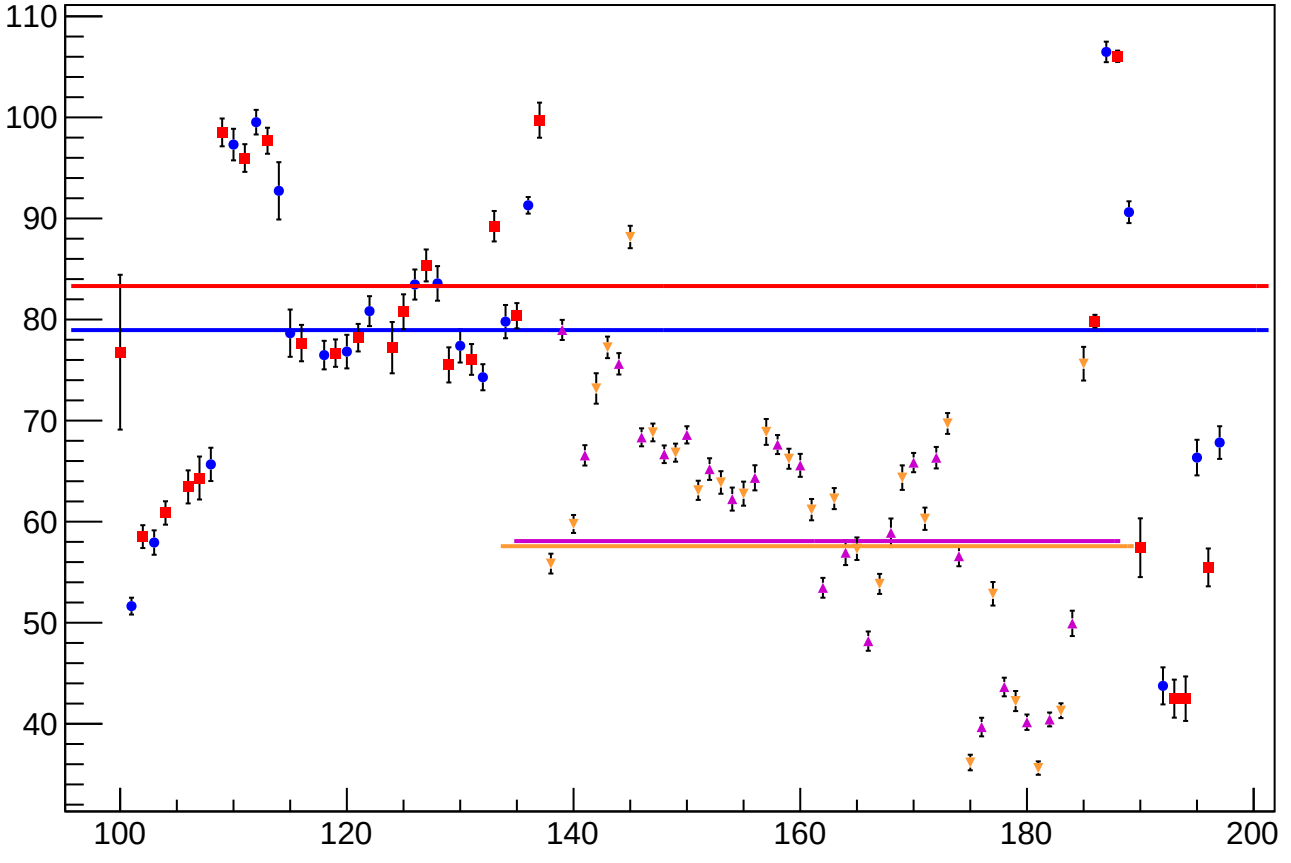
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.914+/-0.134 χ^2/NDF: 2120.3/45

All: 0.884+/-0.096 χ^2/NDF: 3690.9/93

- sign 0.853+/-0.136 χ^2/NDF: 1570.5/47

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 78.954+/-0.293 χ^2/NDF: 3473.8/20

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 83.313+/-0.259 χ^2/NDF: 4430.5/24

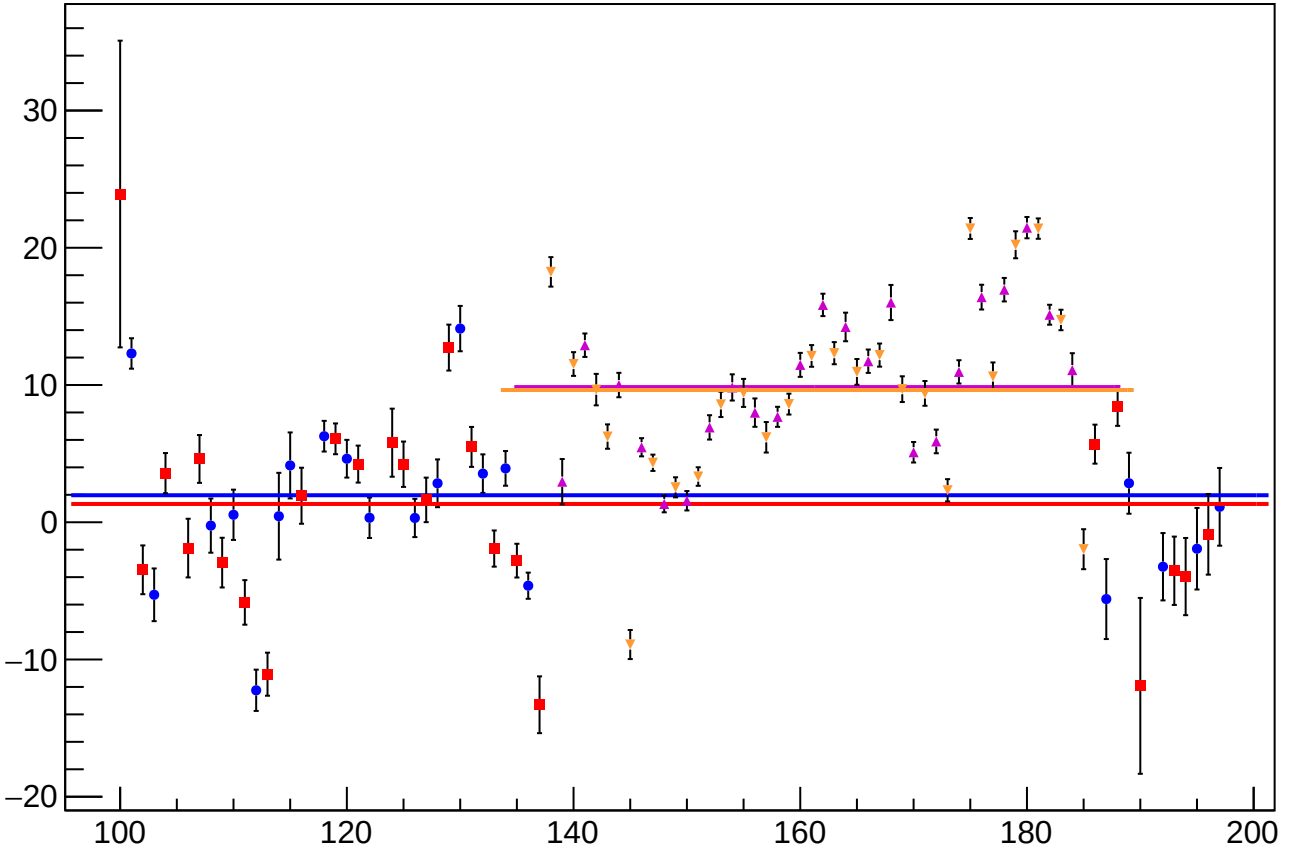
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.321+/-0.165 χ^2/NDF: 11803.5/45

All: 66.061+/-0.115 χ^2/NDF: 25876.9/93

- sign 67.705+/-0.160 χ^2/NDF: 13856.1/47

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 1.968+/-0.347 χ^2/NDF: 333.4/20

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.332+/-0.340 χ^2/NDF: 304.0/24

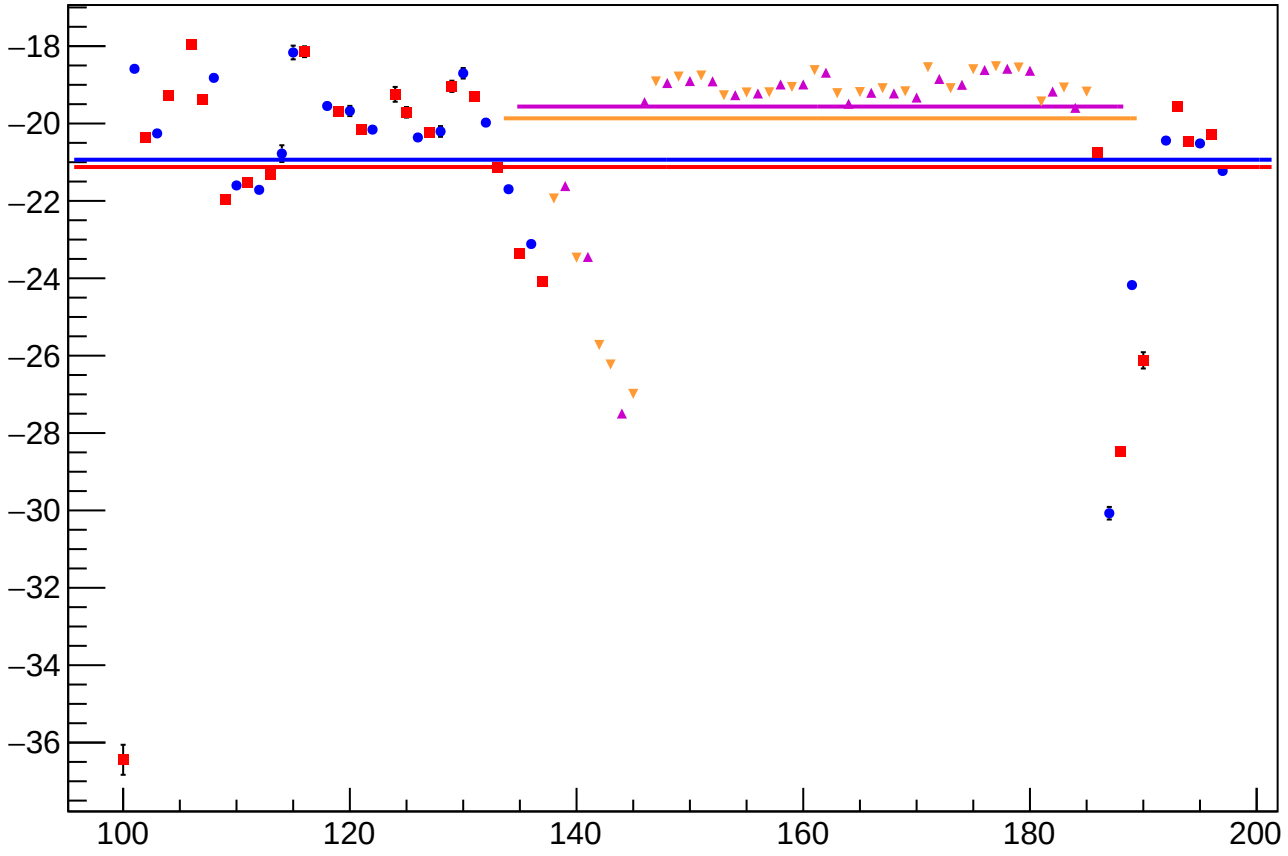
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.131+/-0.154 χ^2/NDF: 2217.7/45

All: 8.090+/-0.110 χ^2/NDF: 4008.3/93

- sign 8.048+/-0.157 χ^2/NDF: 1790.5/47

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.936+/-0.018 χ^2/NDF: 11915.4/20

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.125+/-0.018 χ^2/NDF: 19911.9/24

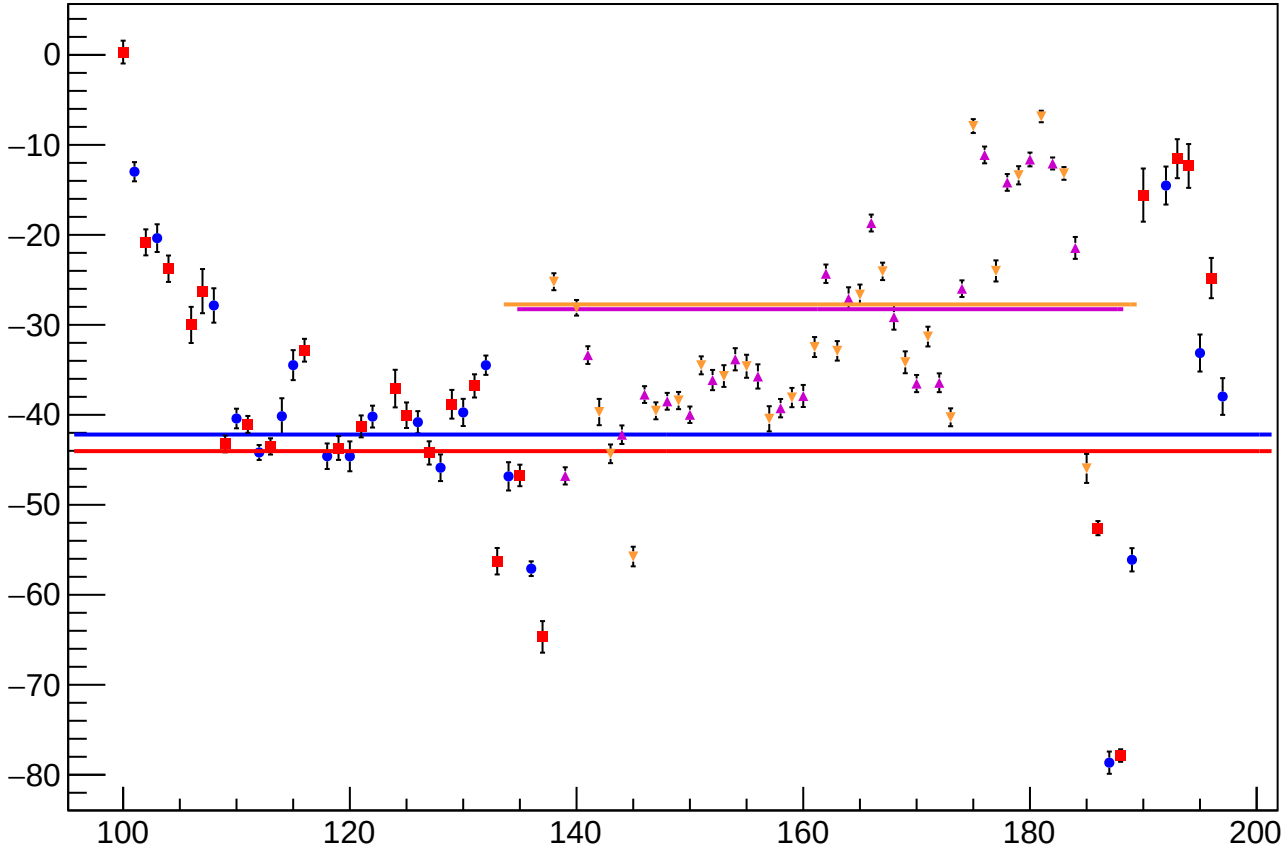
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.041+/-0.007 χ^2/NDF: 93838.6/45

All: -19.933+/-0.005 χ^2/NDF: 165836.5/93

- sign -19.823+/-0.007 χ^2/NDF: 71542.3/47

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -42.189+/-0.285 χ^2/NDF: 2630.7/20

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -44.034+/-0.254 χ^2/NDF: 5179.1/24

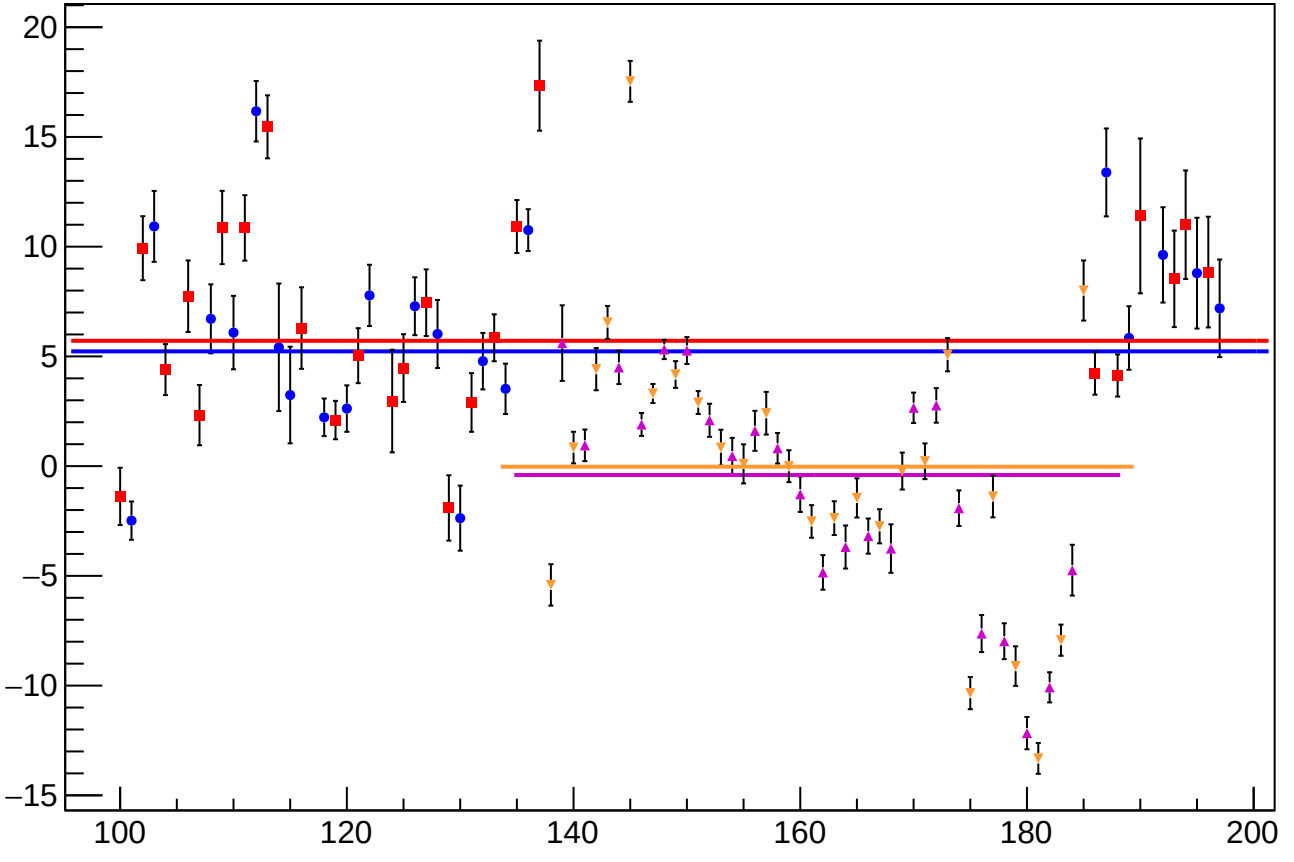
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.518+/-0.164 χ^2/NDF: 8648.6/45

All: -33.554+/-0.115 χ^2/NDF: 19407.5/93

- sign -34.537+/-0.160 χ^2/NDF: 10681.2/47

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.230+/-0.298 χ^2/NDF: 265.9/20

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.712+/-0.279 χ^2/NDF: 231.9/24

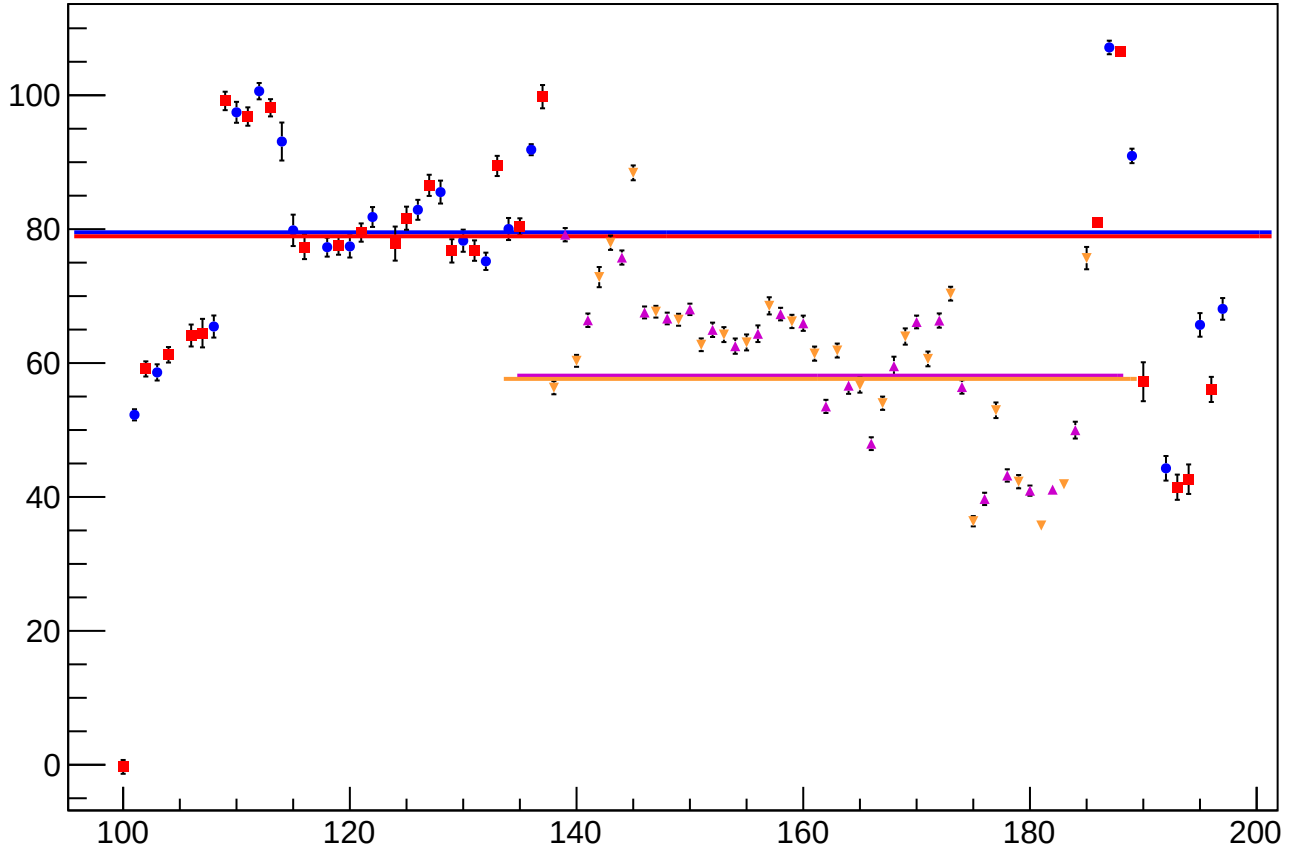
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.042+/-0.134 χ^2/NDF: 2046.1/45

All: 1.043+/-0.095 χ^2/NDF: 3728.5/93

- sign 1.044+/-0.136 χ^2/NDF: 1682.4/47

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 79.526+/-0.293 χ^2/NDF: 3484.0/20

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 78.934+/-0.252 χ^2/NDF: 10695.0/24

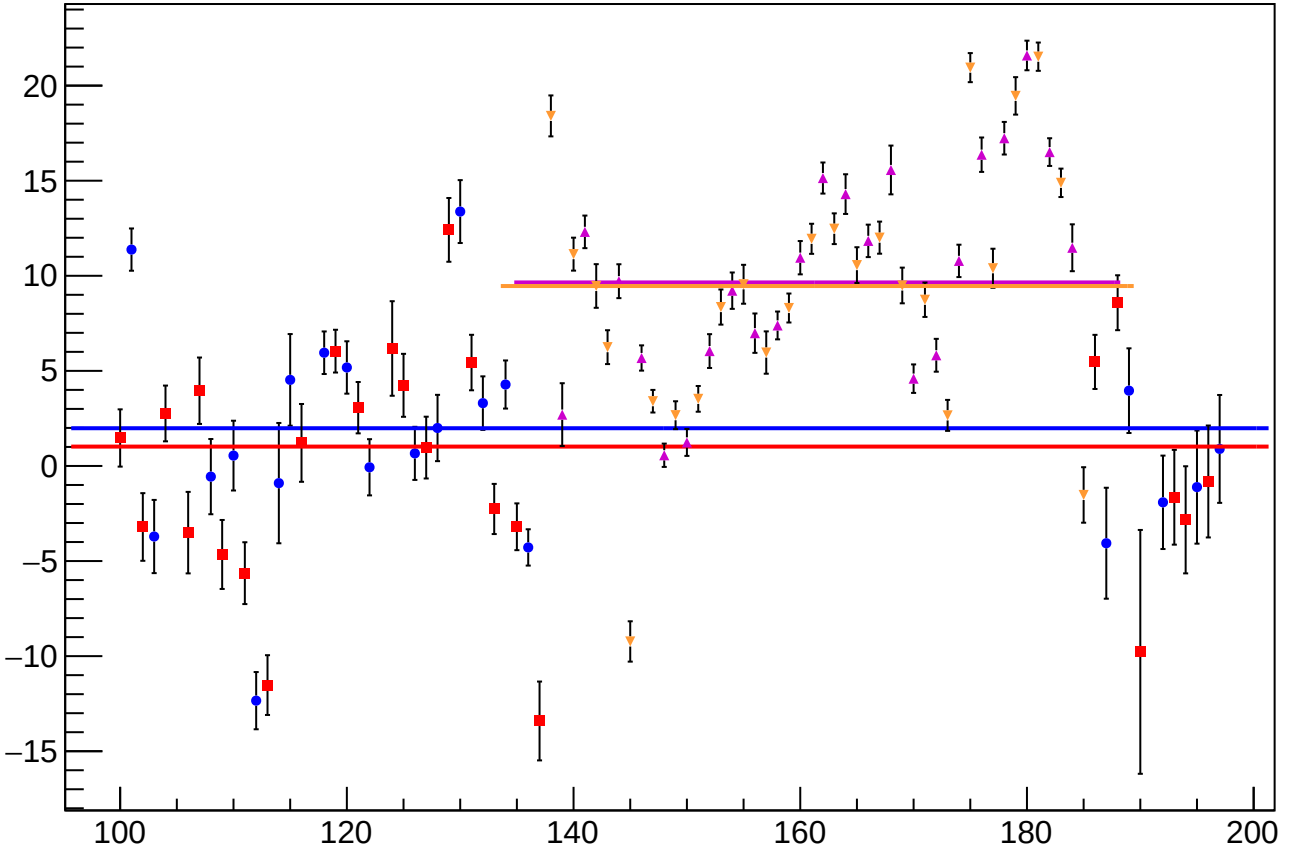
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.546+/-0.165 χ^2/NDF: 11904.5/45

All: 65.489+/-0.114 χ^2/NDF: 30235.6/93

- sign 66.360+/-0.158 χ^2/NDF: 18268.1/47

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 1.984+/-0.347 χ^2/NDF: 299.4/20

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 1.019+/-0.333 χ^2/NDF: 300.2/24

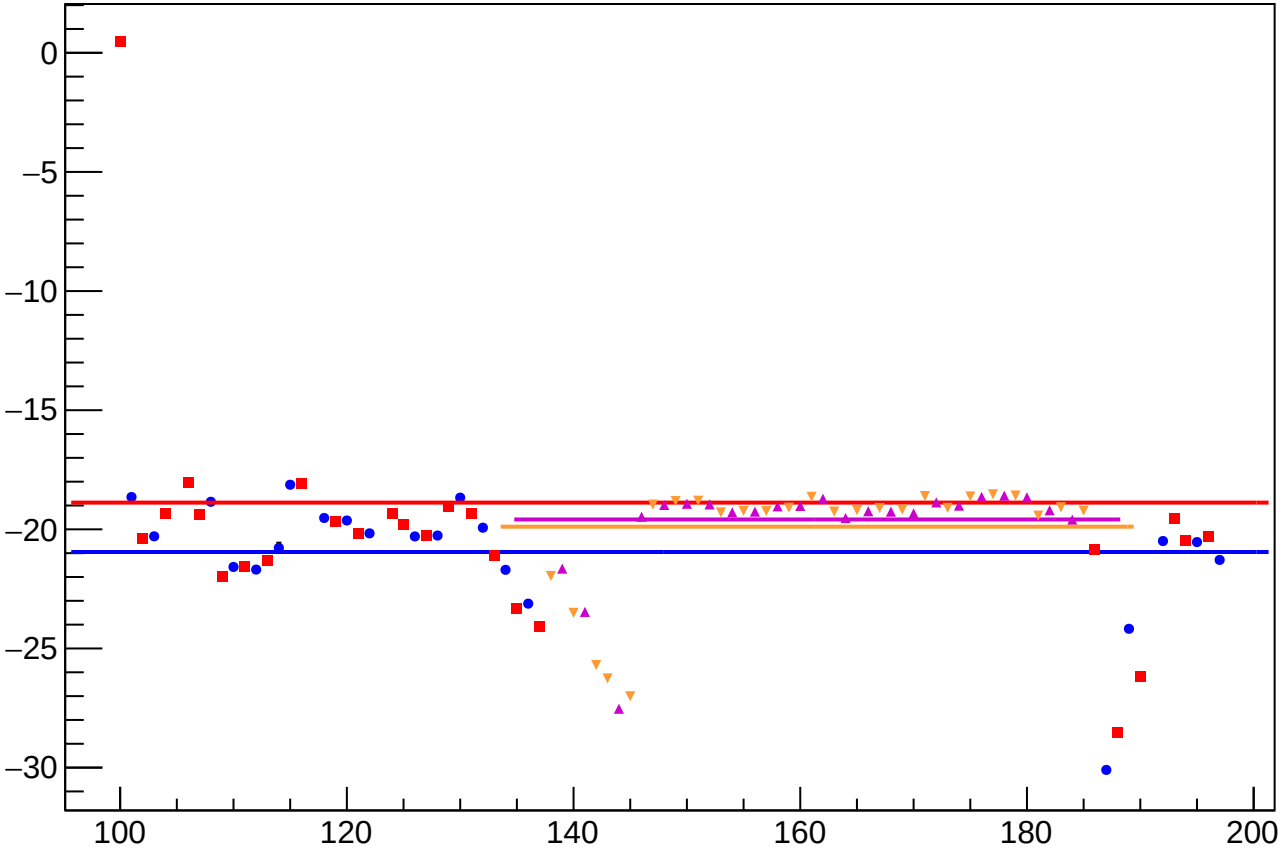
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.994+/-0.154 χ^2/NDF: 2154.9/45

All: 7.875+/-0.110 χ^2/NDF: 4059.9/93

- sign 7.753+/-0.156 χ^2/NDF: 1903.8/47

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.951+/-0.018 χ^2/NDF: 11783.0/20

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.878+/-0.017 χ^2/NDF: 170591.8/24

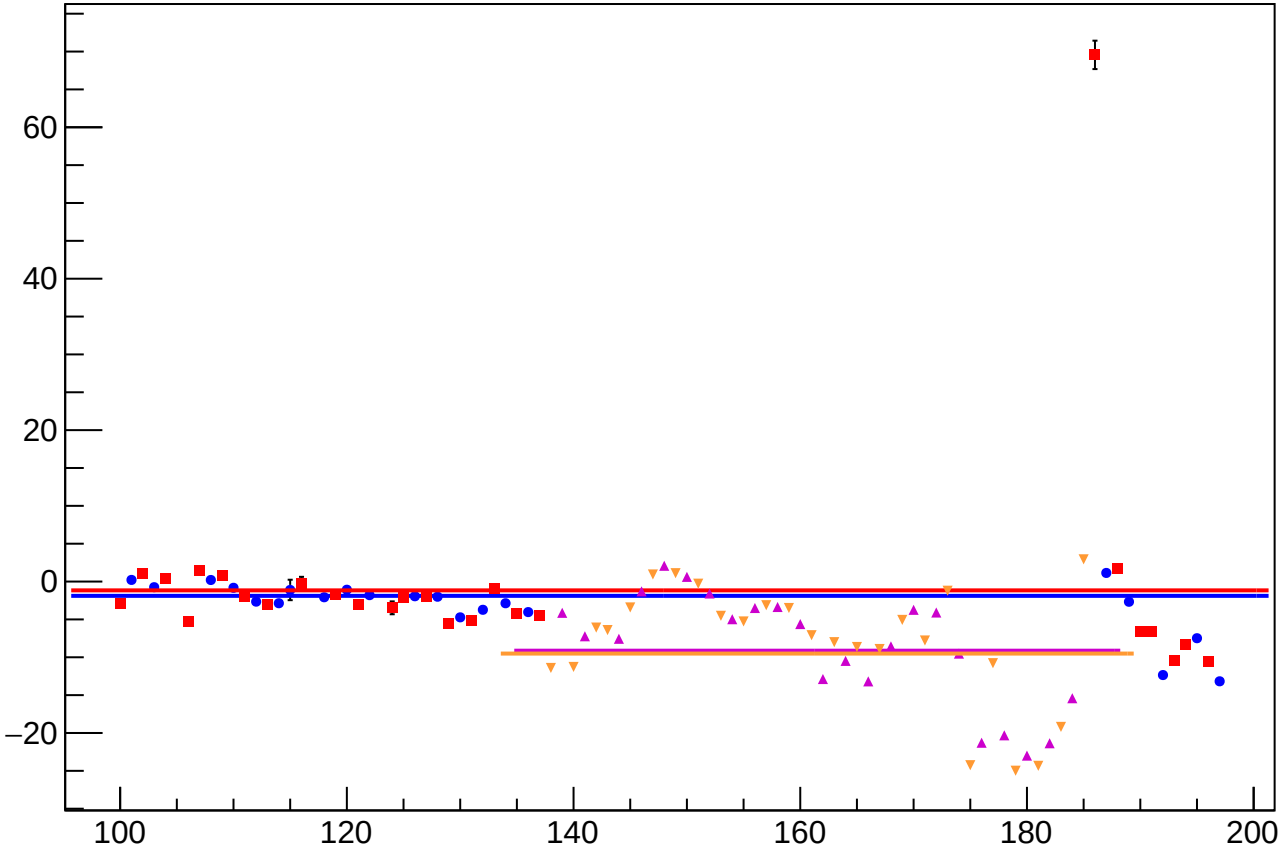
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.063+/-0.007 χ^2/NDF: 93276.2/45

All: -19.760+/-0.005 χ^2/NDF: 313935.8/93

- sign -19.457+/-0.007 χ^2/NDF: 217121.4/47

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.886+/-0.052 χ^2/NDF: 2835.3/20

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.163+/-0.047 χ^2/NDF: 5055.9/25

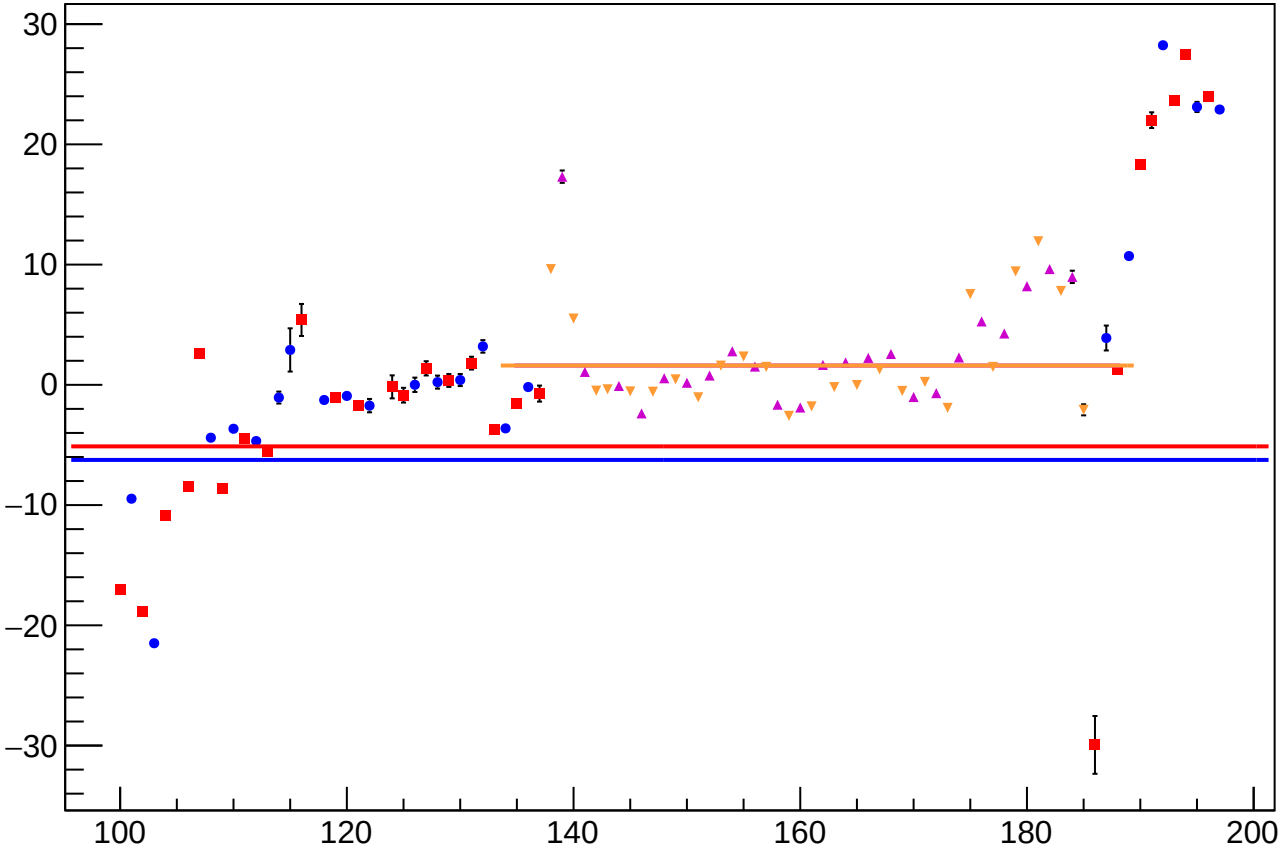
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.473+/-0.042 χ^2/NDF: 23034.9/45

All: -3.927+/-0.029 χ^2/NDF: 46907.4/94

- sign -3.440+/-0.040 χ^2/NDF: 23557.4/48

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -6.244+/-0.055 χ^2/NDF: 37012.9/20

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -5.118+/-0.054 χ^2/NDF: 40793.1/25

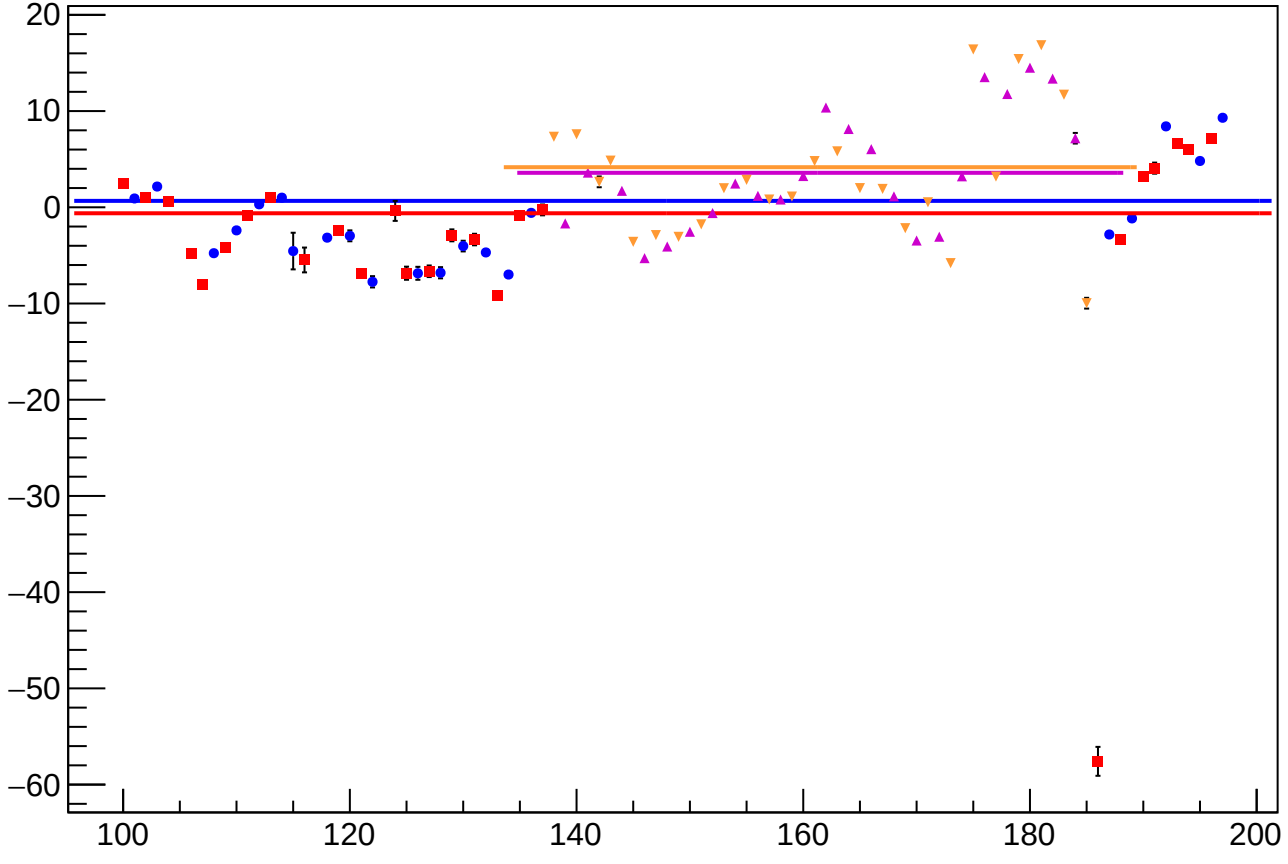
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -2.363+/-0.039 χ^2/NDF: 51922.3/45

All: -2.177+/-0.028 χ^2/NDF: 103677.5/94

- sign -1.987+/-0.039 χ^2/NDF: 51709.1/48

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.667+/-0.050 χ^2/NDF: 3766.0/20

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.621+/-0.048 χ^2/NDF: 6468.1/25

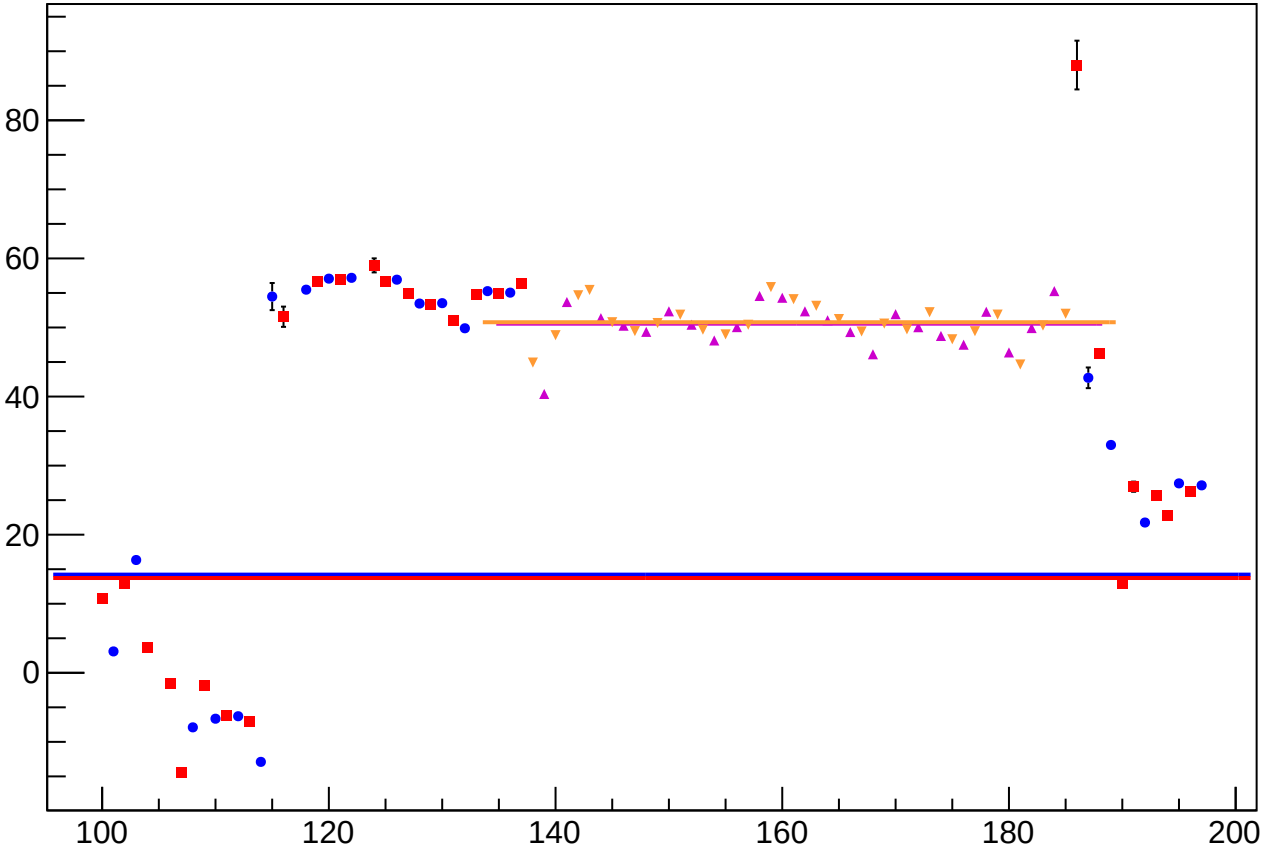
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.803+/-0.041 χ^2/NDF: 14603.9/45

All: 1.202+/-0.029 χ^2/NDF: 30995.6/94

- sign 0.625+/-0.040 χ^2/NDF: 15972.0/48

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 14.216+/-0.065 χ^2/NDF: 112160.5/20

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 13.726+/-0.064 χ^2/NDF: 128665.7/25

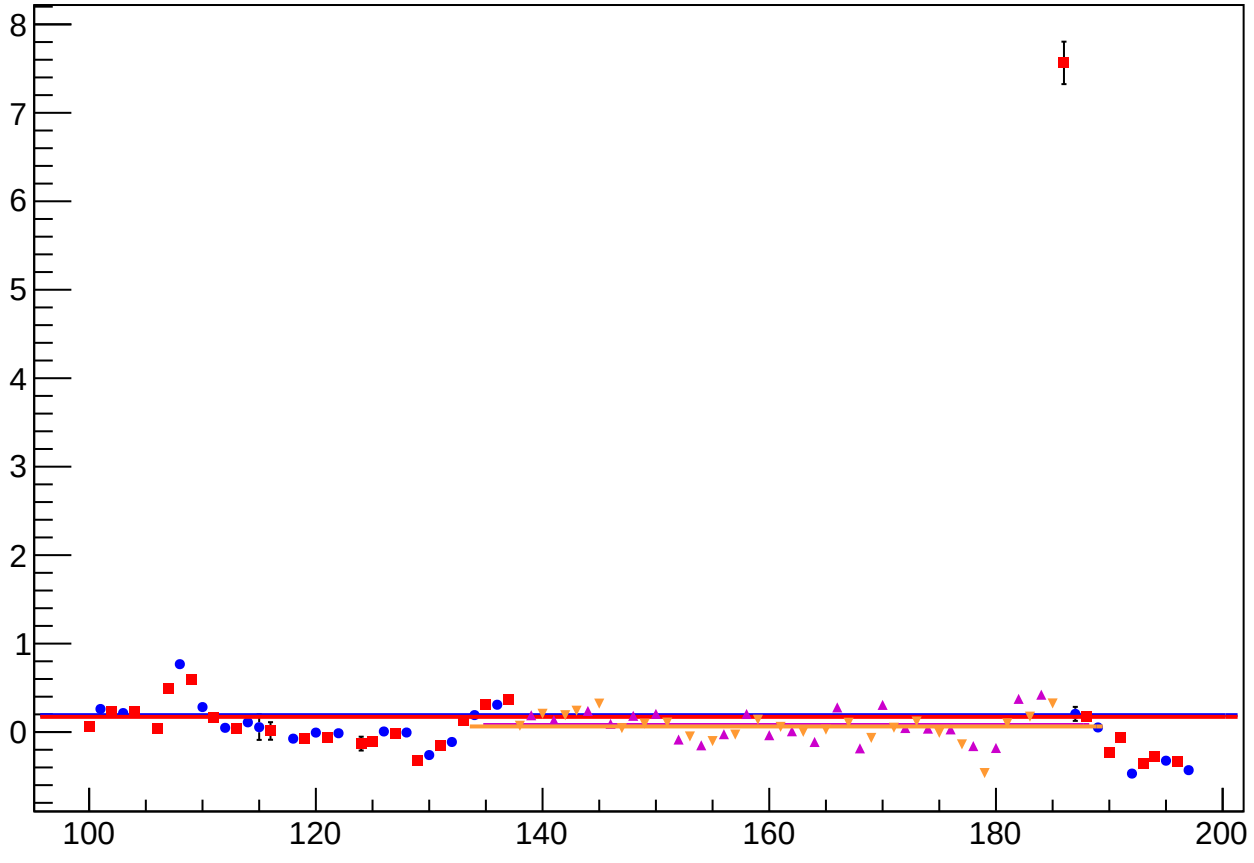
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

\+ sign 33.287+/-0.045 χ^2/NDF: 277714.0/45

All: 32.635+/-0.032 χ^2/NDF: 571631.5/94

\- sign 31.968+/-0.046 χ^2/NDF: 293494.8/48

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.191+/-0.003 χ^2/NDF: 10285.8/20

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.172+/-0.003 χ^2/NDF: 8318.9/25

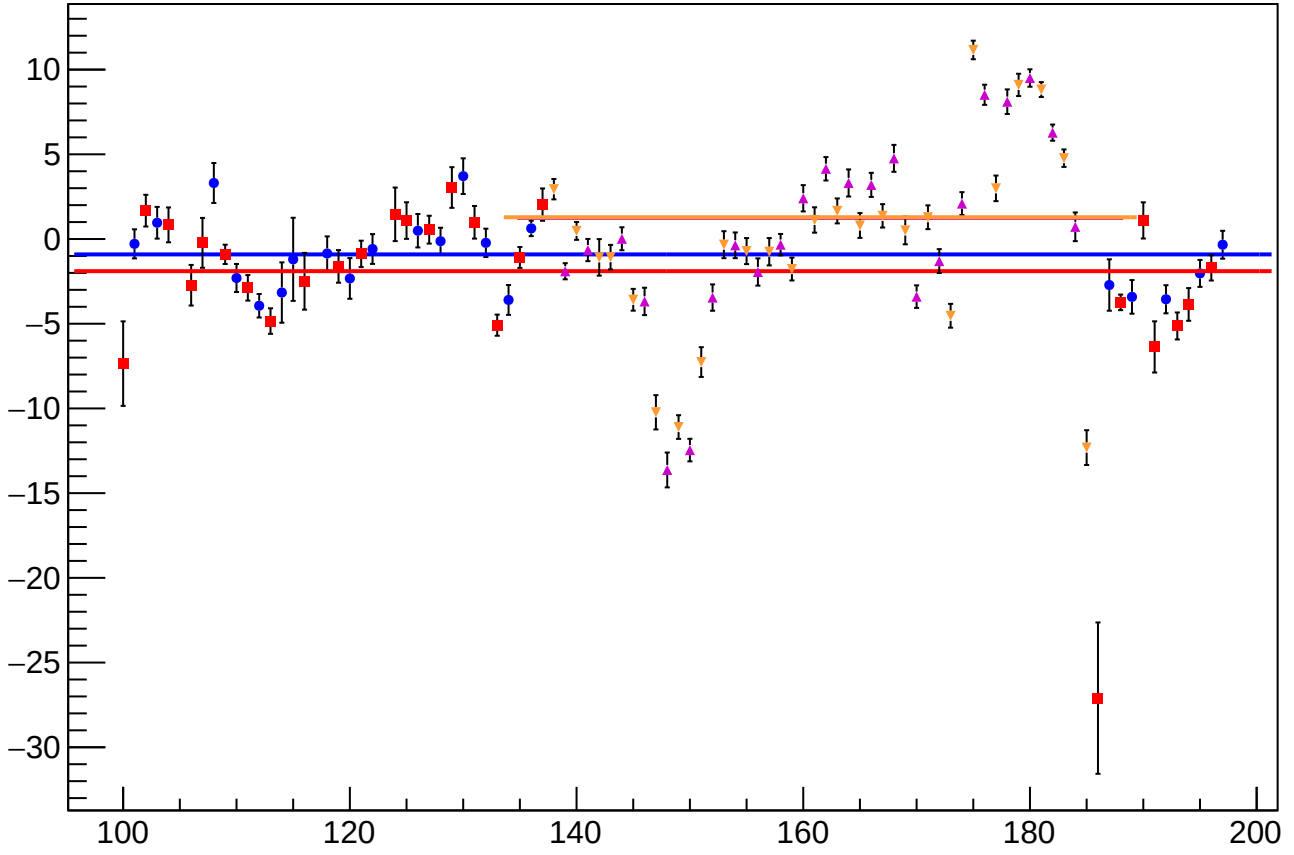
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

\+ sign 0.131+/-0.002 χ^2/NDF: 13967.2/45

All: 0.131+/-0.001 χ^2/NDF: 26325.8/94

\- sign 0.131+/-0.002 χ^2/NDF: 12358.5/48

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.908+/-0.192 χ^2/NDF: 106.3/20

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.897+/-0.170 χ^2/NDF: 227.1/25

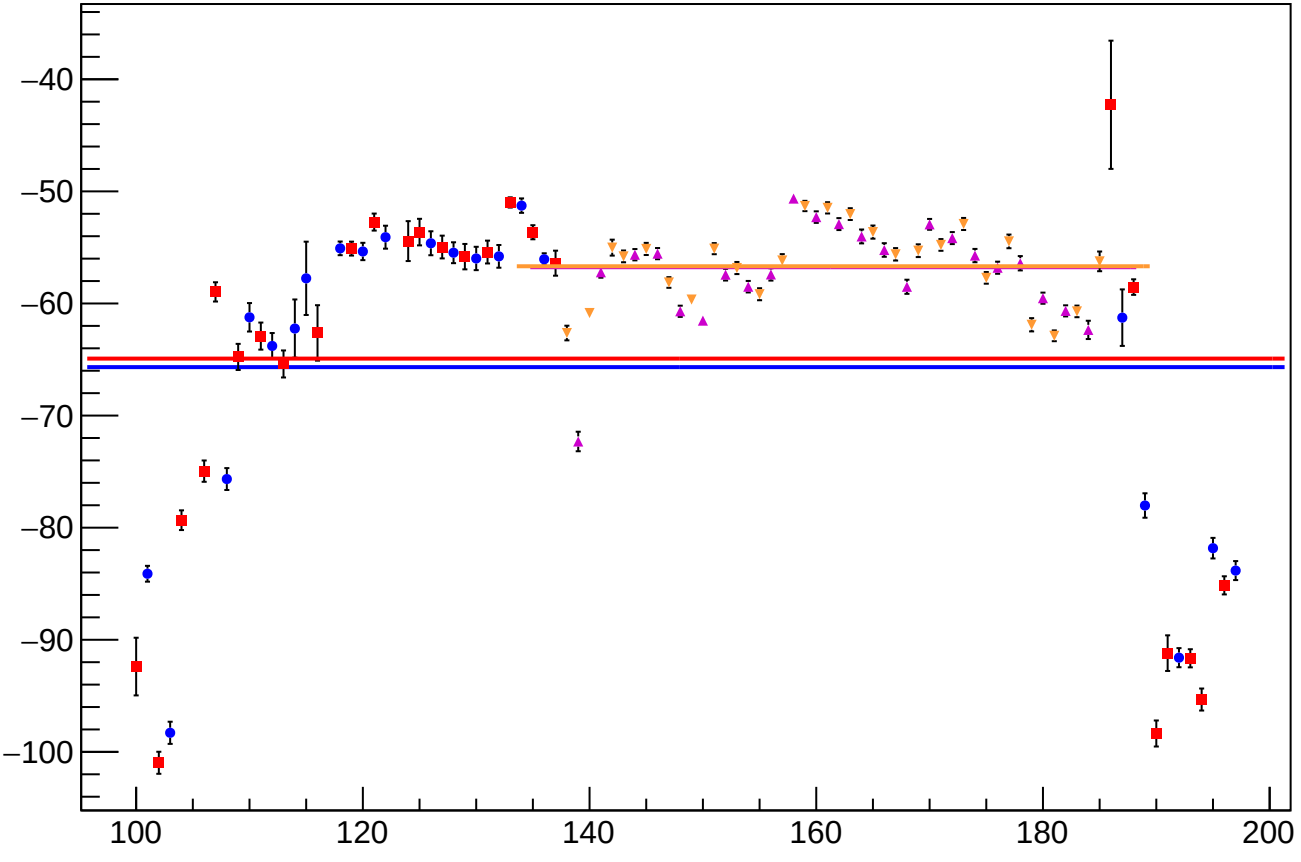
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.543+/-0.111 χ^2/NDF: 1908.2/45

All: 0.251+/-0.078 χ^2/NDF: 3863.8/94

- sign -0.025+/-0.108 χ^2/NDF: 1942.2/48

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -65.678+/-0.197 χ^2/NDF: 5564.7/20

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -64.917+/-0.180 χ^2/NDF: 7962.3/25

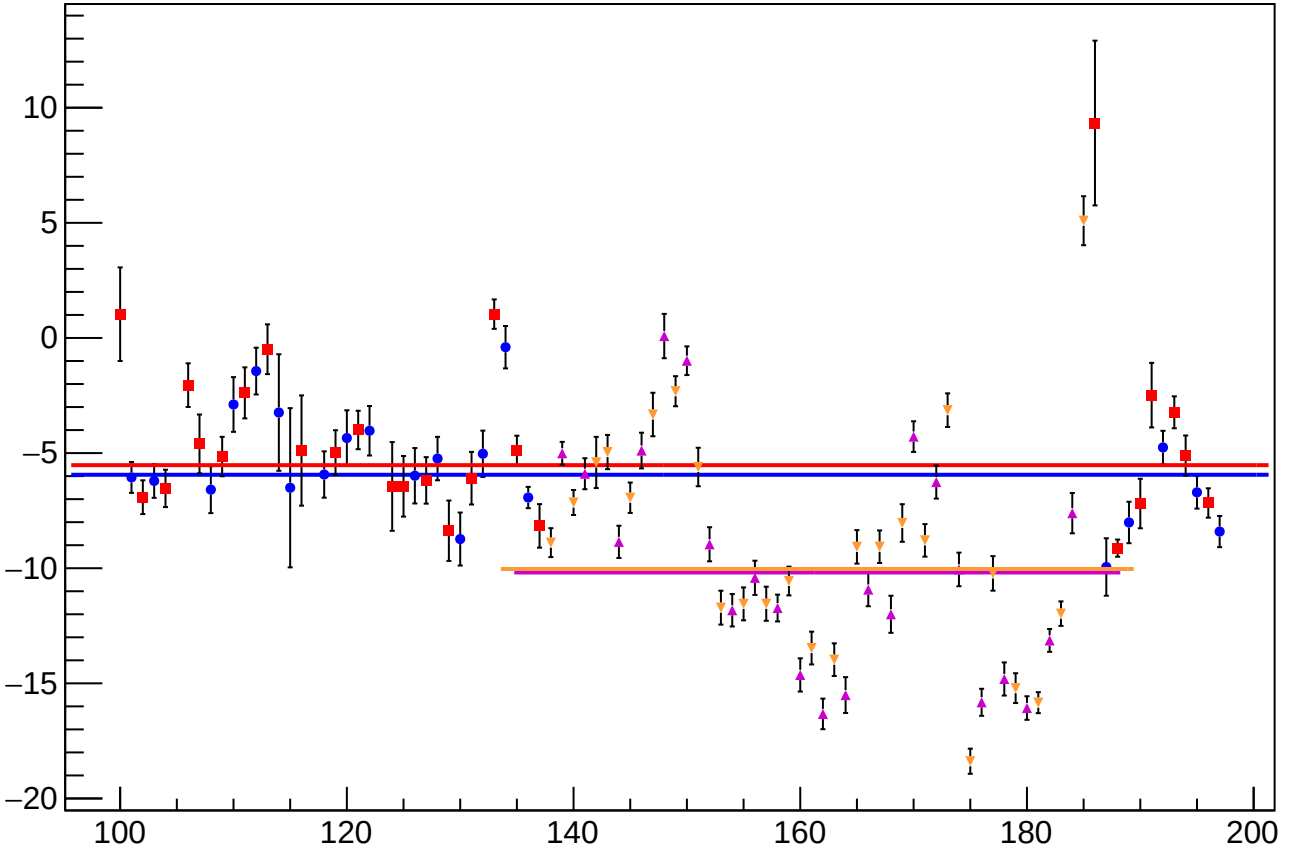
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -58.739+/-0.094 χ^2/NDF: 8190.6/45

All: -58.885+/-0.067 χ^2/NDF: 18742.1/94

- sign -59.034+/-0.095 χ^2/NDF: 10546.6/48

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.941+/-0.193 χ^2/NDF: 113.7/20

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.524+/-0.170 χ^2/NDF: 318.8/25

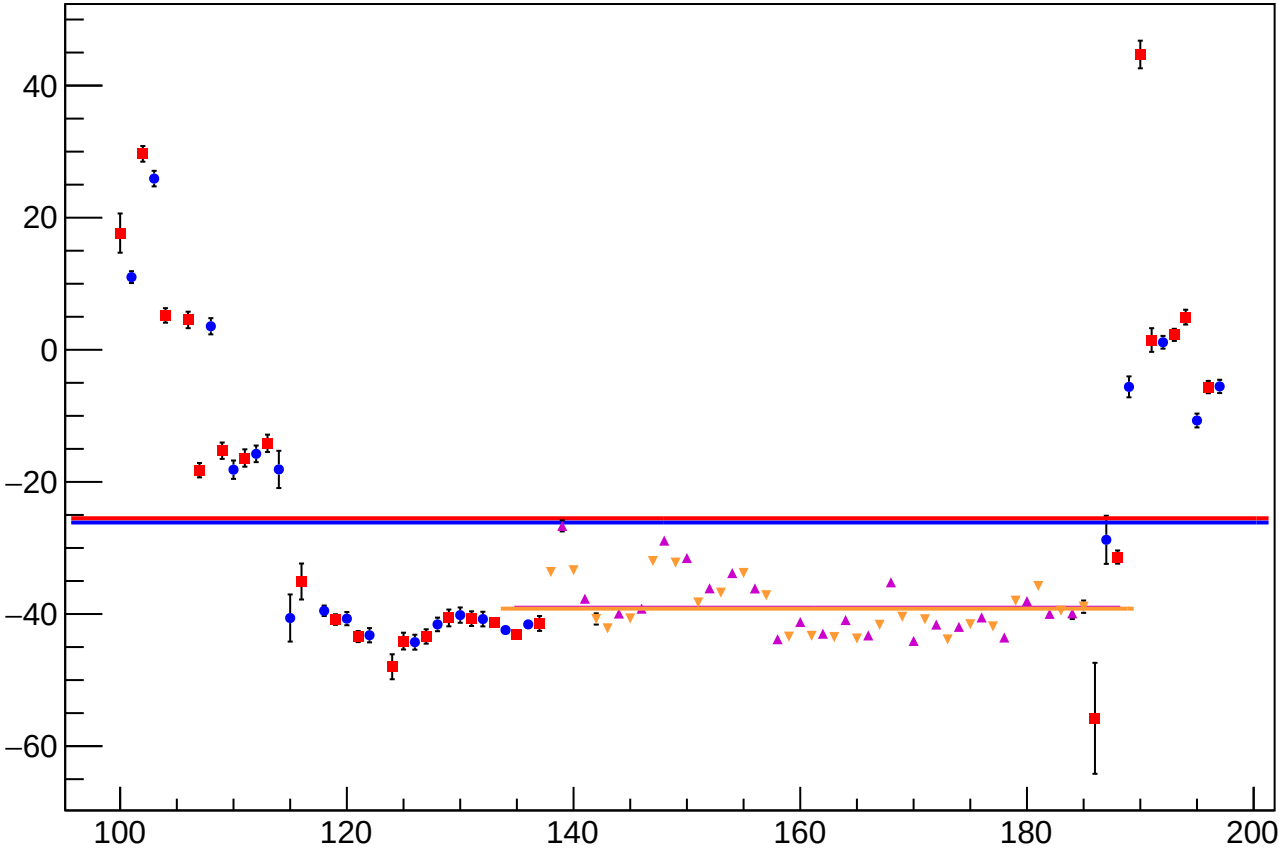
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.671+/-0.111 χ^2/NDF: 1596.6/45

All: -8.486+/-0.077 χ^2/NDF: 3514.1/94

- sign -8.312+/-0.108 χ^2/NDF: 1912.1/48

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -26.142+/-0.226 χ^2/NDF: 8864.4/20

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -25.503+/-0.211 χ^2/NDF: 11031.6/25

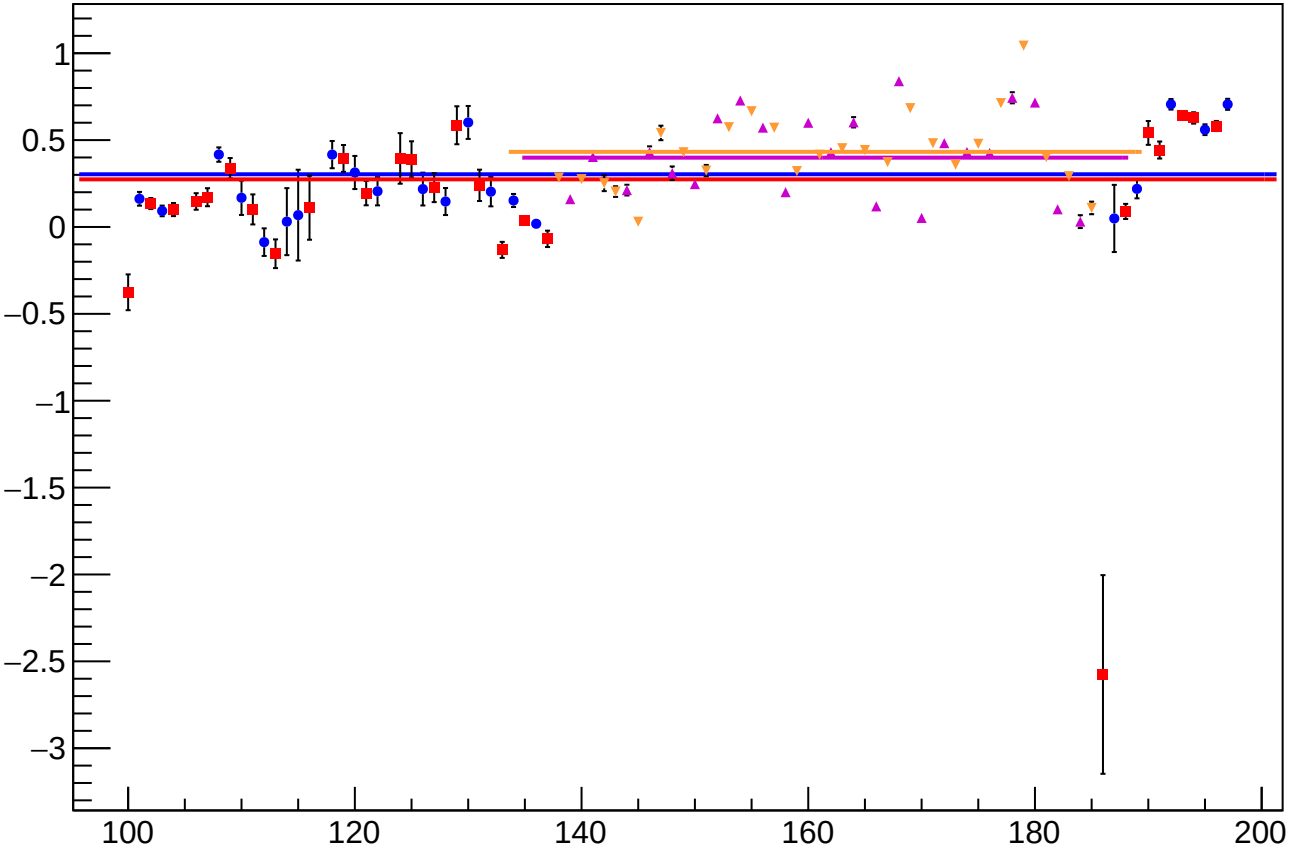
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -36.321+/-0.106 χ^2/NDF: 12489.9/45

All: -35.948+/-0.075 χ^2/NDF: 27822.7/94

- sign -35.567+/-0.107 χ^2/NDF: 15307.8/48

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.303+/-0.010 χ^2/NDF: 715.6/20

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.274+/-0.009 χ^2/NDF: 819.2/25

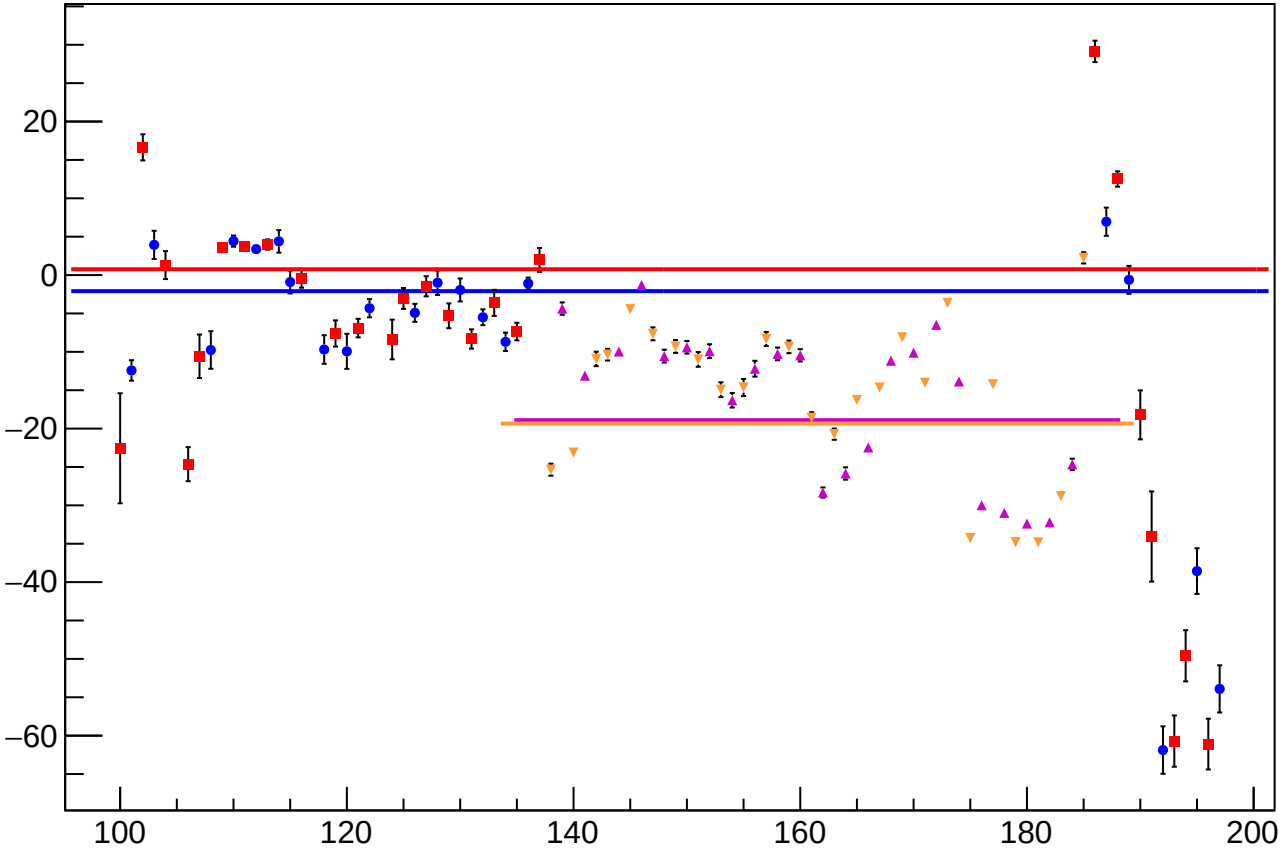
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.404+/-0.005 χ^2/NDF: 2212.8/45

All: 0.386+/-0.003 χ^2/NDF: 5115.6/94

- sign 0.369+/-0.005 χ^2/NDF: 2874.1/48

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -2.094+/-0.271 χ^2/NDF: 1177.6/20

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 0.761+/-0.250 χ^2/NDF: 2063.5/25

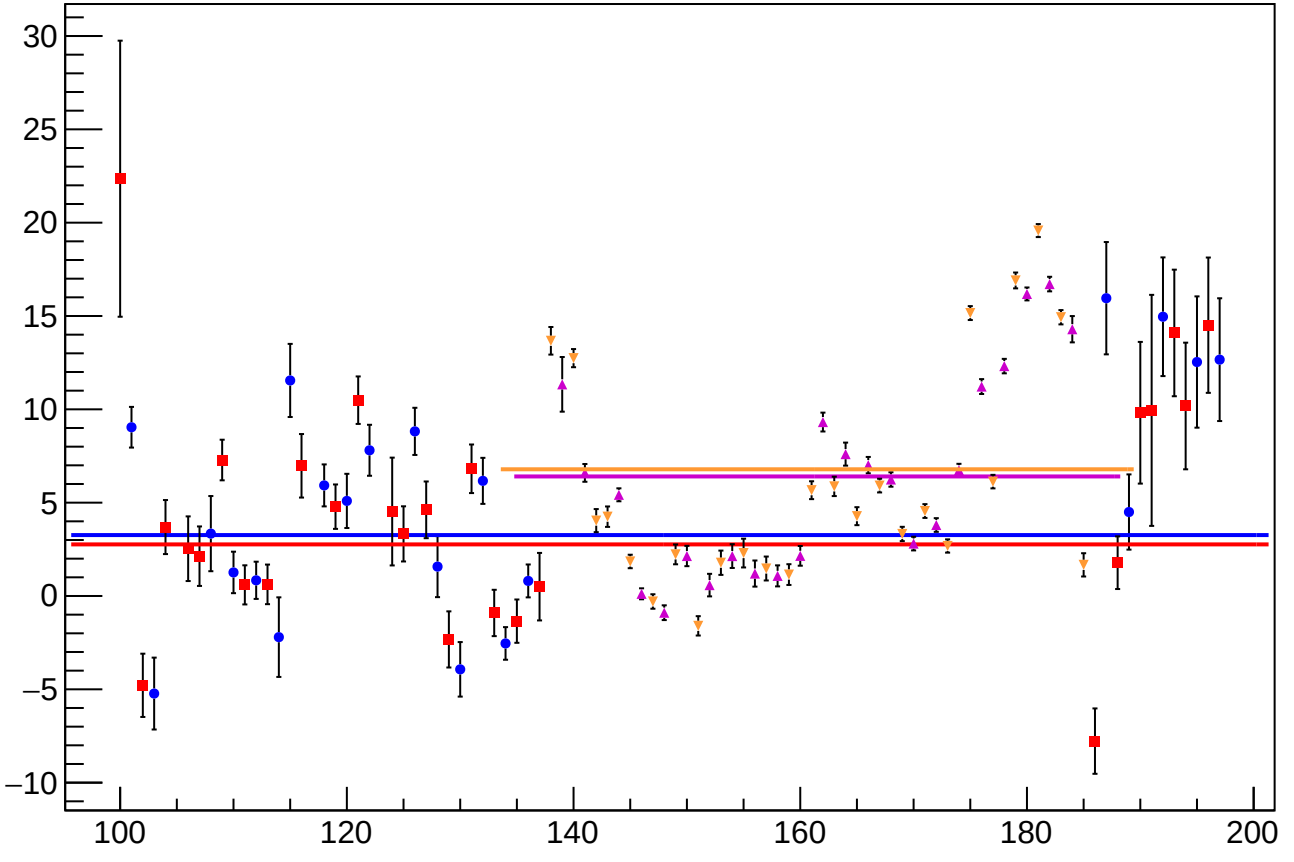
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

\+ sign -16.776+/-0.105 χ^2/NDF: 15023.3/45

All: -16.097+/-0.074 χ^2/NDF: 30551.4/94

\- sign -15.408+/-0.105 χ^2/NDF: 15443.0/48

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.264+/-0.304 χ^2/NDF: 248.4/20

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.764+/-0.304 χ^2/NDF: 212.9/25

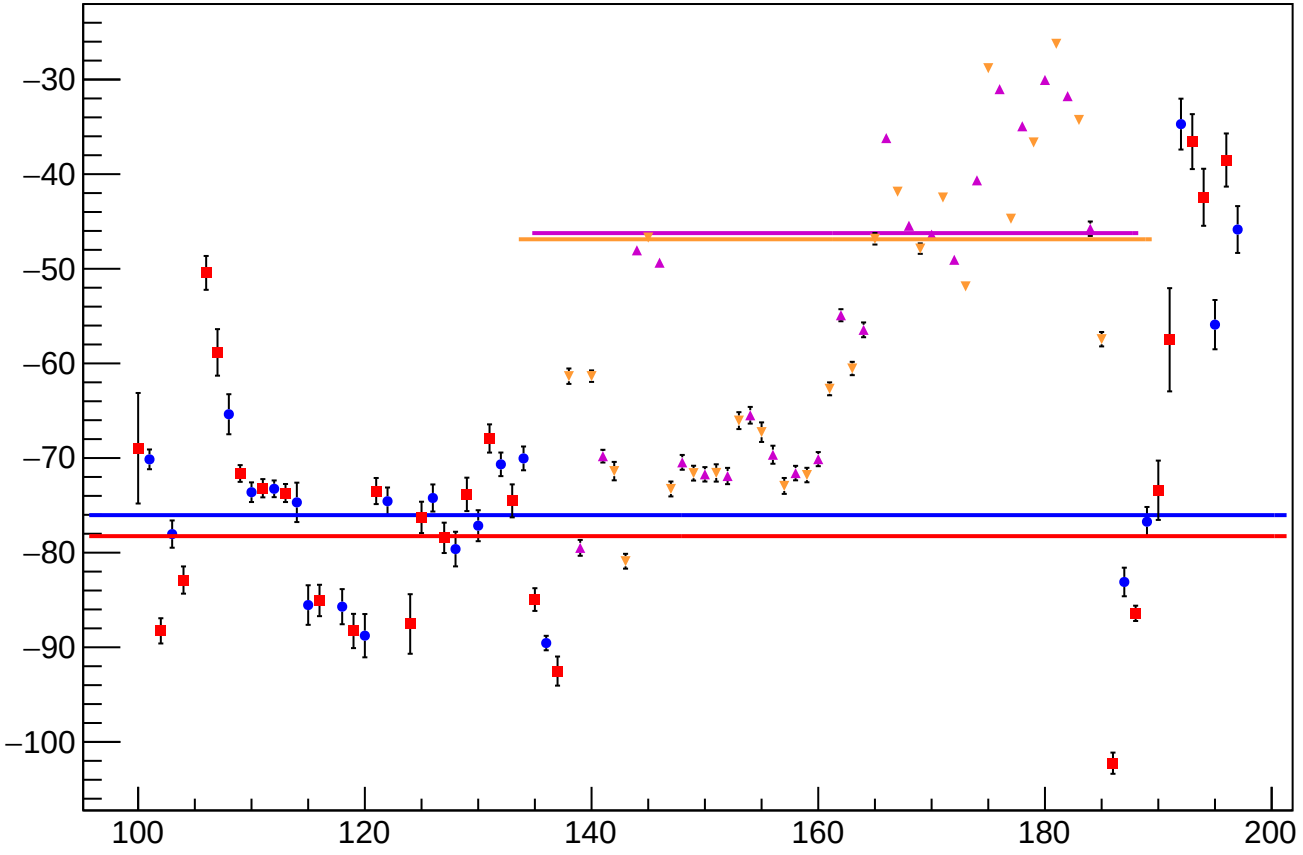
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.503+/-0.086 χ^2/NDF: 5004.3/45

All: 6.306+/-0.061 χ^2/NDF: 8769.6/94

- sign 6.104+/-0.087 χ^2/NDF: 3754.7/48

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -76.034+/-0.306 χ^2/NDF: 981.3/20

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -78.254+/-0.288 χ^2/NDF: 1850.6/25

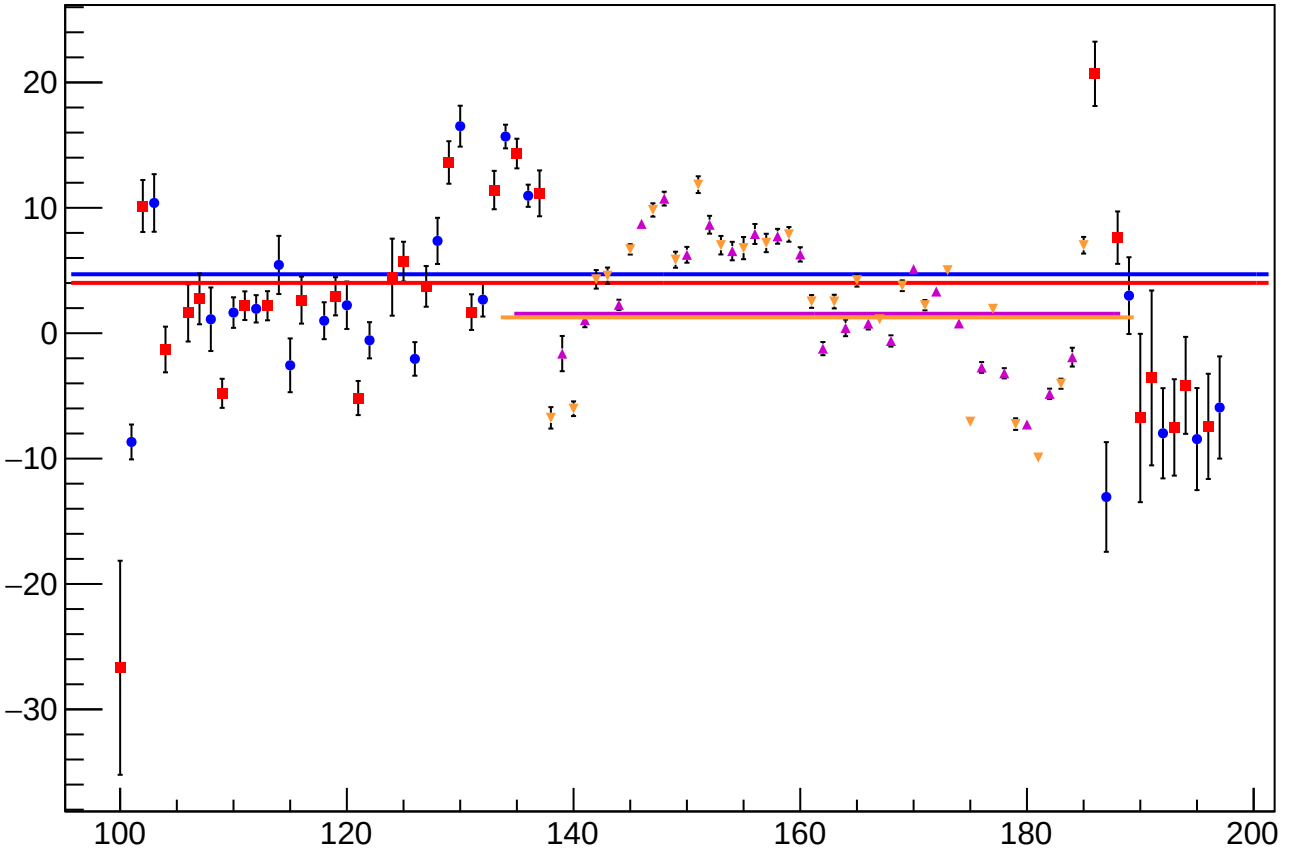
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.434+/-0.107 χ^2/NDF: 26935.4/45

All: -50.580+/-0.076 χ^2/NDF: 54611.9/94

- sign -50.728+/-0.108 χ^2/NDF: 27672.8/48

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.701+/-0.342 χ^2/NDF: 460.3/20

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 4.014+/-0.348 χ^2/NDF: 361.5/25

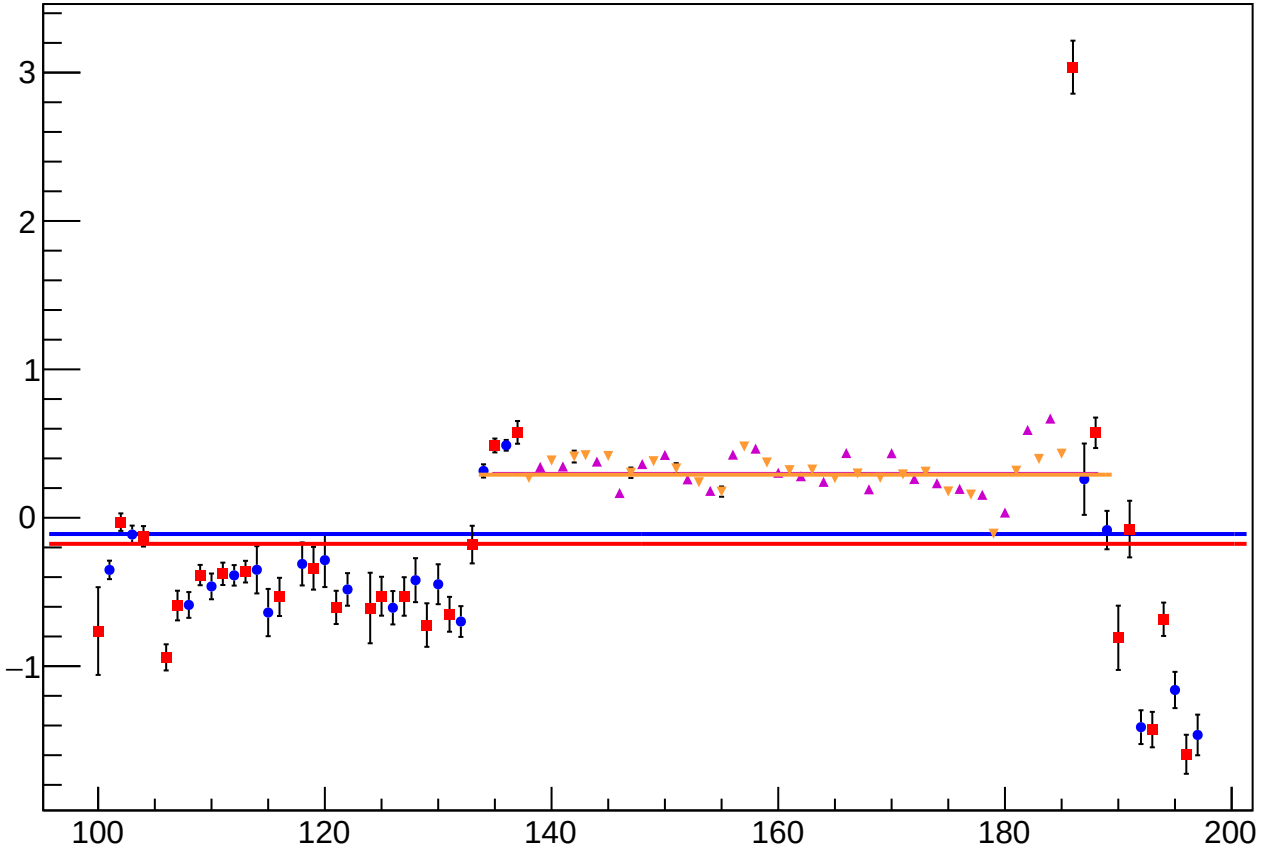
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.534+/-0.096 χ^2/NDF: 3998.9/45

All: 1.638+/-0.069 χ^2/NDF: 6744.7/94

- sign 1.746+/-0.098 χ^2/NDF: 2743.3/48

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.110+/-0.018 χ^2/NDF: 837.2/20

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.176+/-0.019 χ^2/NDF: 1127.5/25

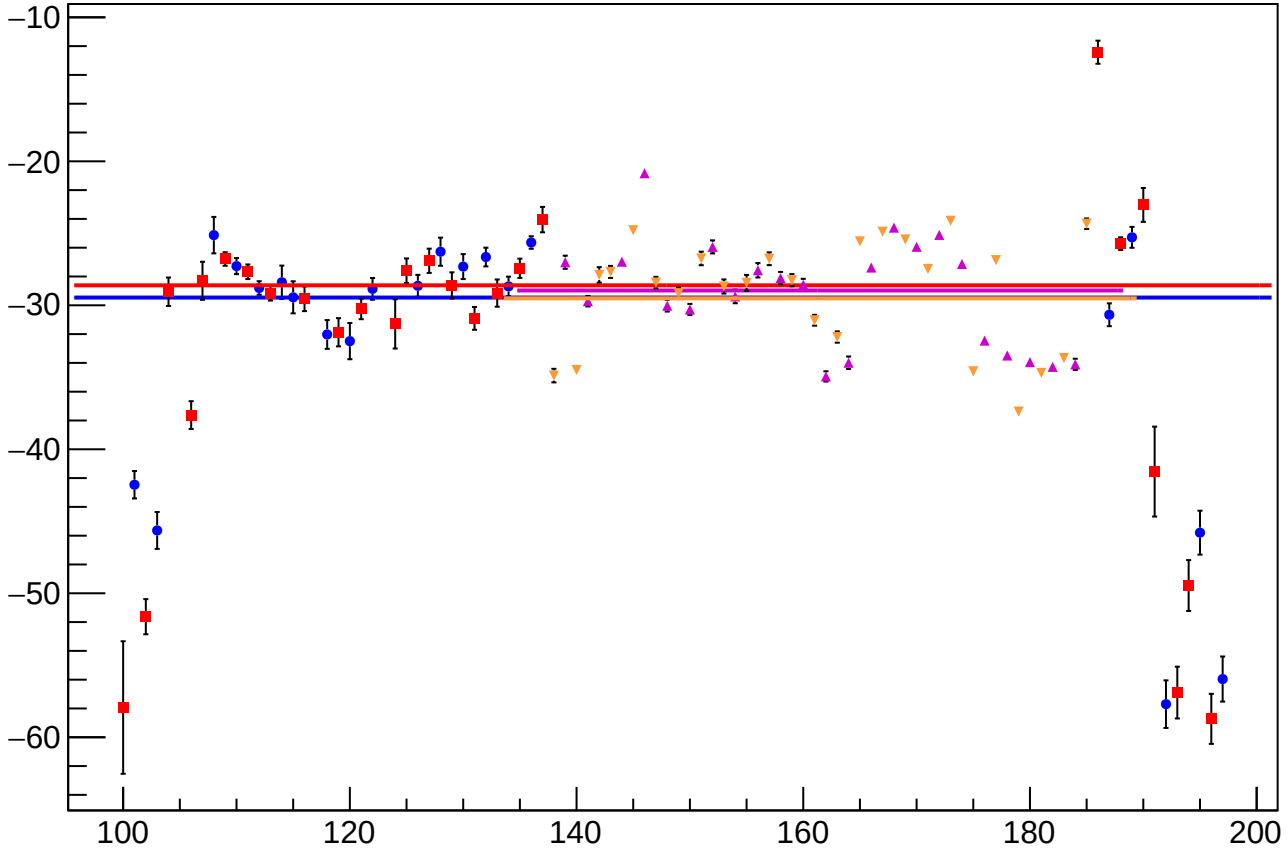
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.267+/-0.004 χ^2/NDF: 2017.8/45

All: 0.268+/-0.003 χ^2/NDF: 4773.9/94

- sign 0.269+/-0.004 χ^2/NDF: 2756.1/48

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -29.462+/-0.172 χ^2/NDF: 1232.1/20

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.613+/-0.160 χ^2/NDF: 1746.0/25

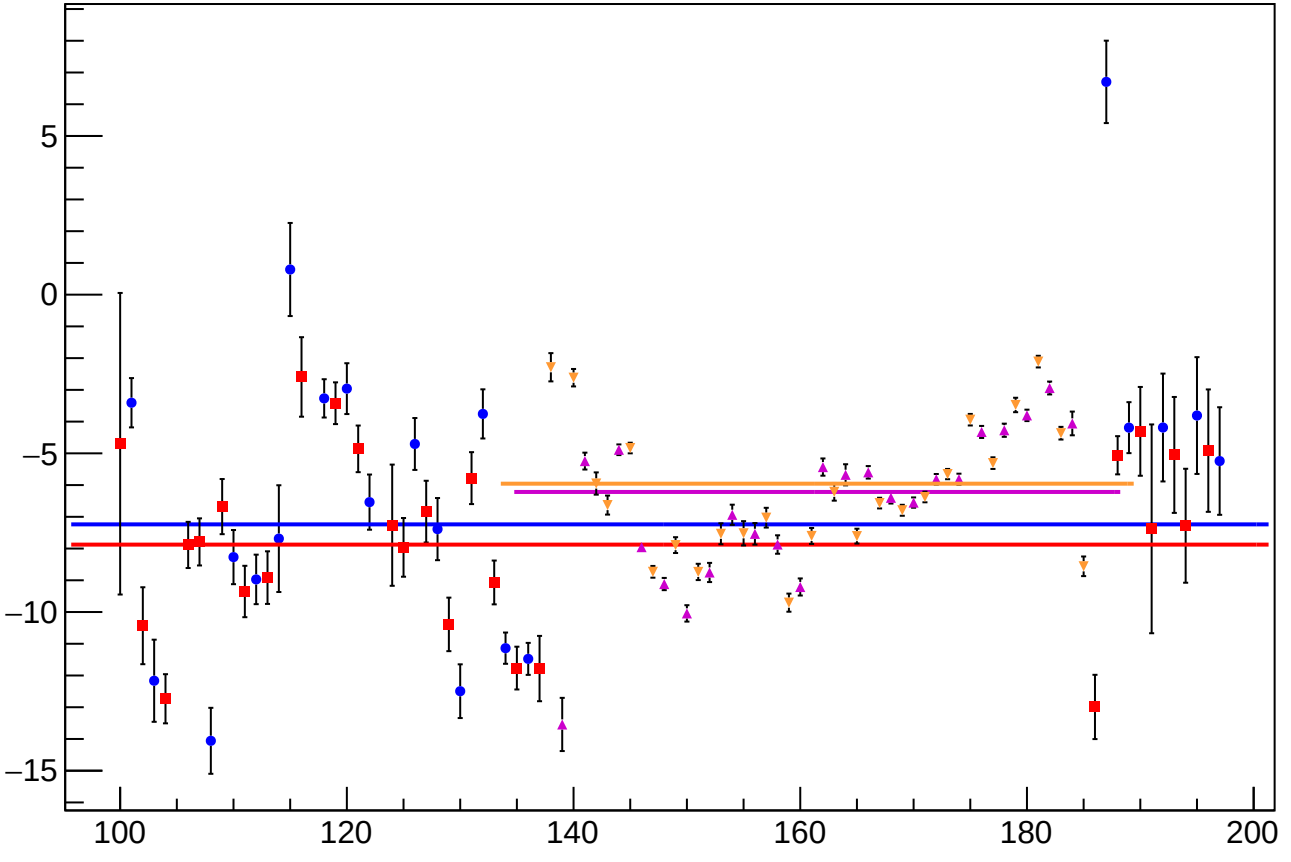
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.511+/-0.054 χ^2/NDF: 7320.7/45

All: -29.222+/-0.038 χ^2/NDF: 14478.3/94

- sign -28.931+/-0.054 χ^2/NDF: 7099.0/48

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.238+/-0.184 χ^2/NDF: 530.5/20

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.876+/-0.179 χ^2/NDF: 257.8/25

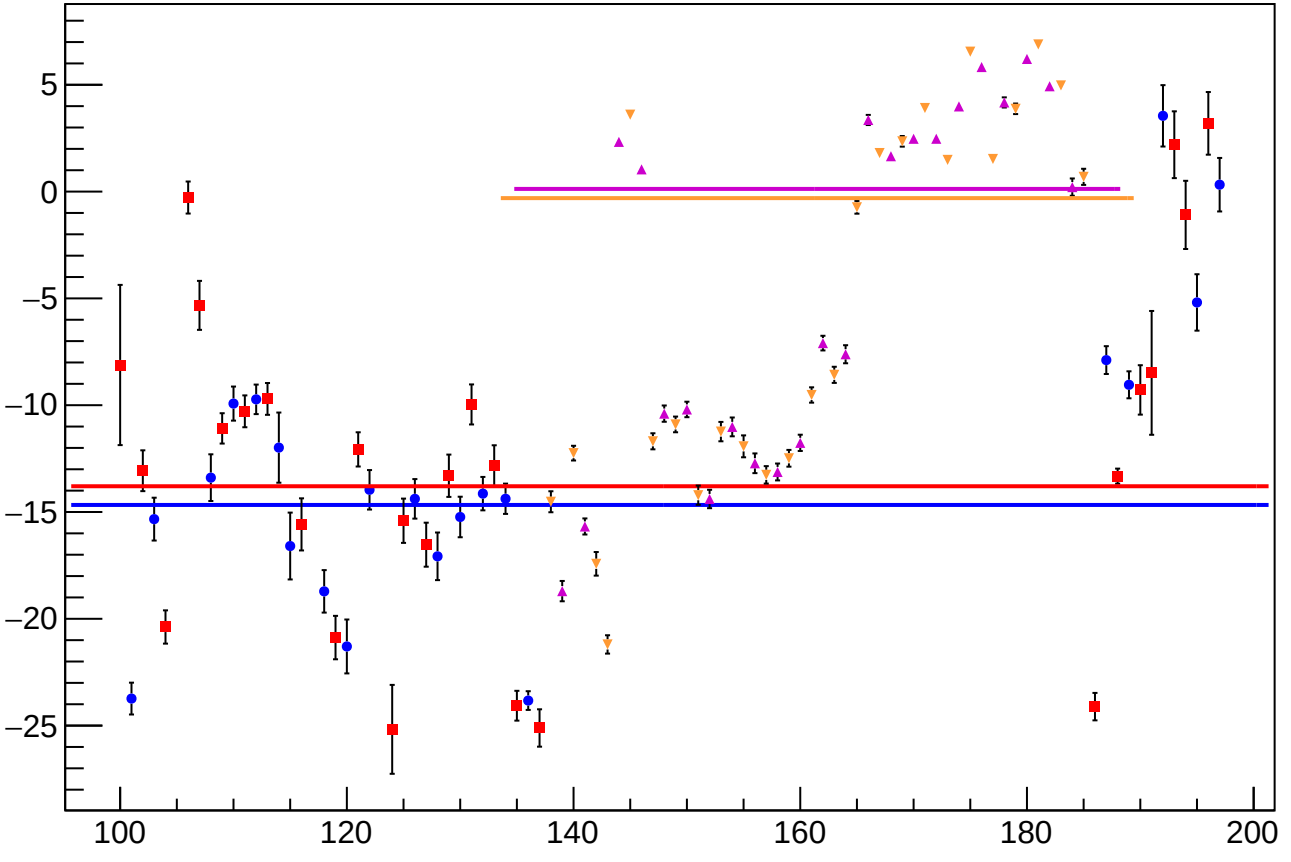
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.027+/-0.043 χ^2/NDF: 2434.0/45

All: -6.170+/-0.030 χ^2/NDF: 4536.1/94

- sign -6.312+/-0.043 χ^2/NDF: 2080.1/48

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -14.670+/-0.185 χ^2/NDF: 1271.7/20

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.795+/-0.168 χ^2/NDF: 1598.1/25

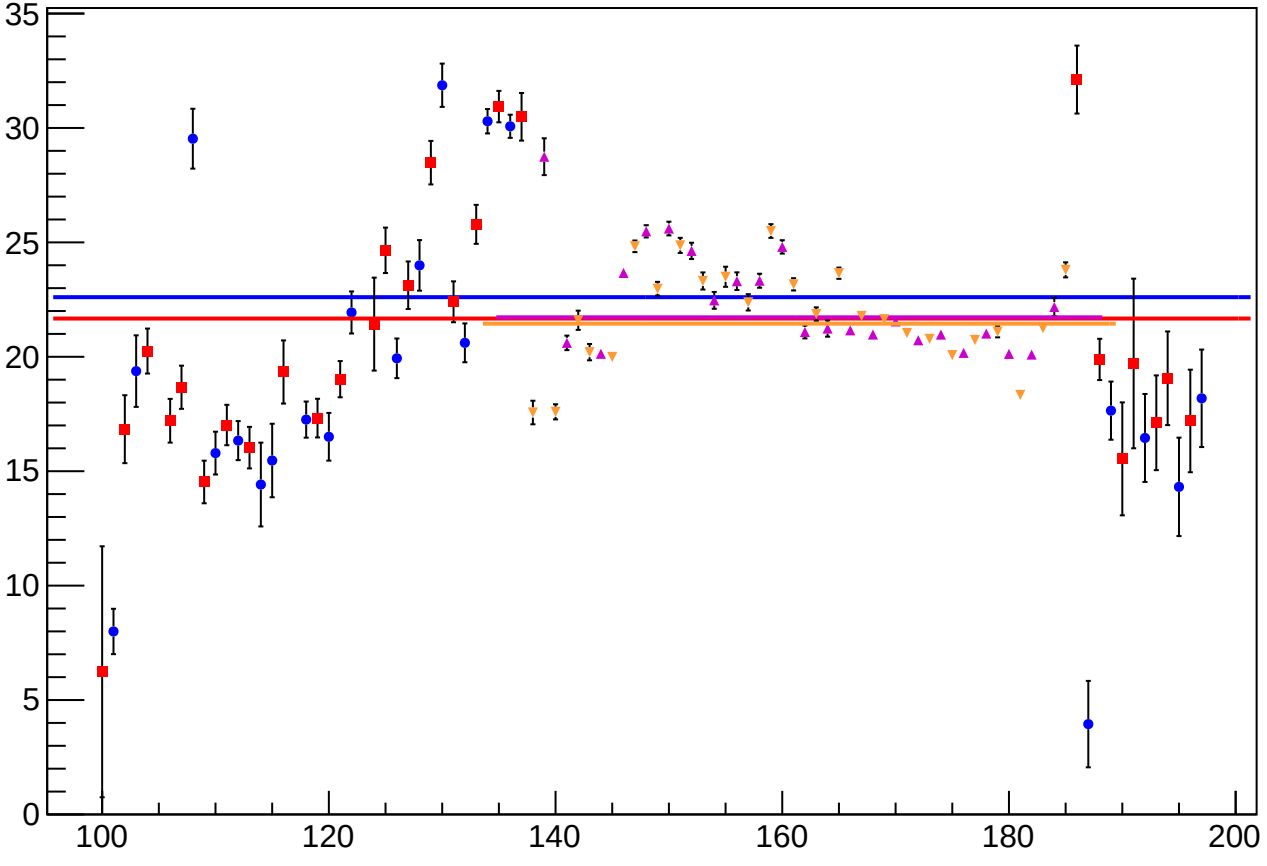
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.540+/-0.054 χ^2/NDF: 23992.8/45

All: -1.425+/-0.038 χ^2/NDF: 45592.3/94

- sign -1.311+/-0.054 χ^2/NDF: 21590.6/48

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.605+/-0.210 χ^2/NDF: 1158.2/20

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.672+/-0.211 χ^2/NDF: 628.6/25

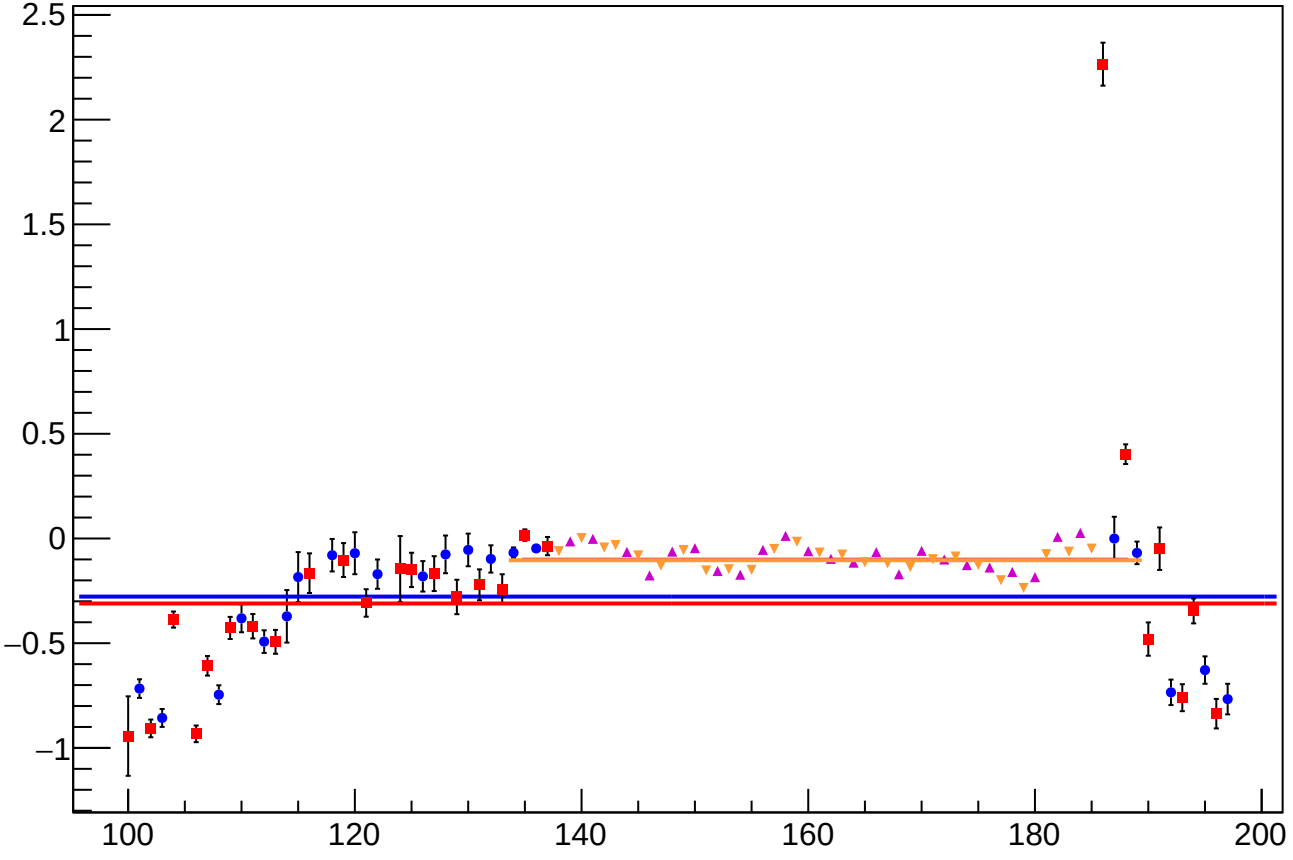
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.508+/-0.048 χ^2/NDF: 2512.2/45

All: 21.615+/-0.034 χ^2/NDF: 4324.5/94

- sign 21.722+/-0.048 χ^2/NDF: 1802.4/48

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.278+/-0.011 χ^2/NDF: 791.1/20

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.310+/-0.011 χ^2/NDF: 1697.3/25

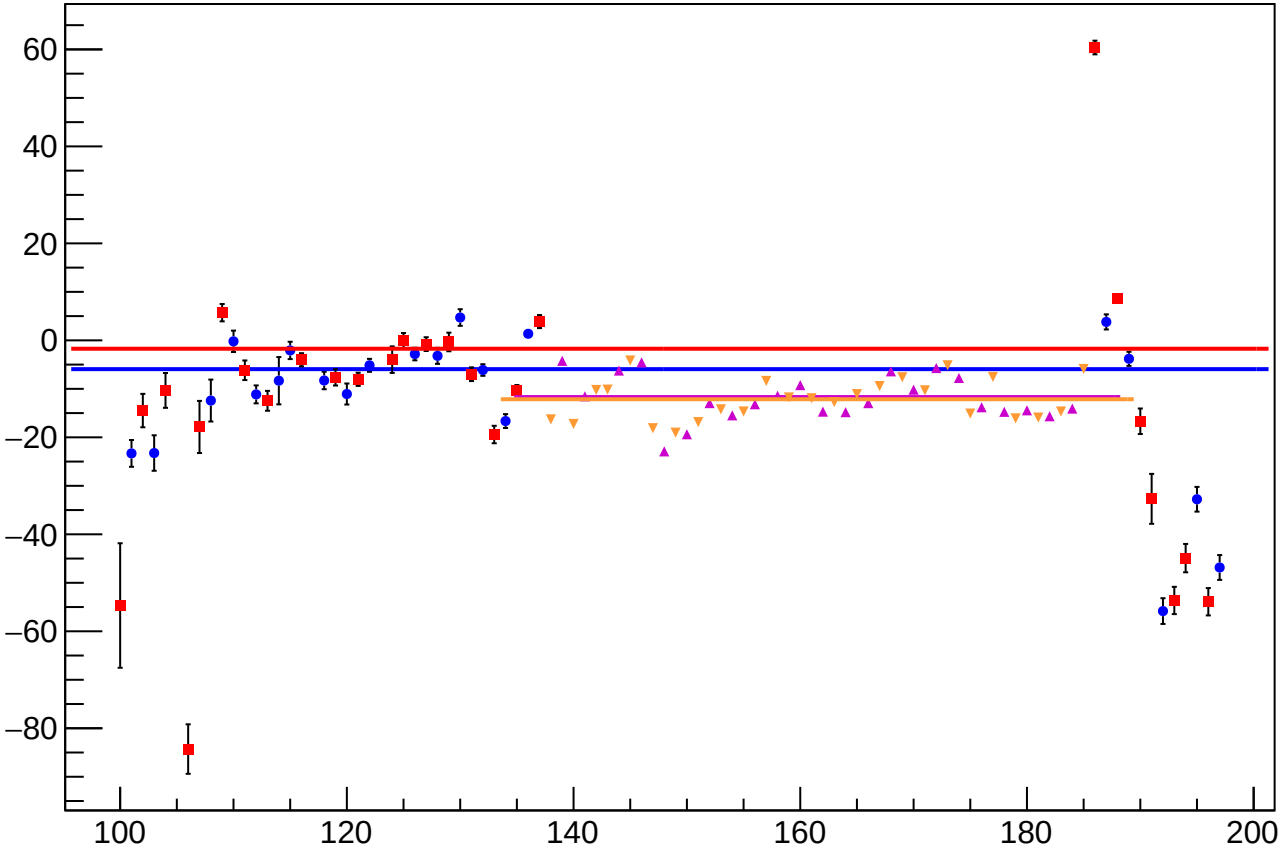
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1584.5/45

All: -0.110+/-0.002 χ^2/NDF: 4379.6/94

- sign -0.109+/-0.002 χ^2/NDF: 2795.0/48

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -5.937+/-0.349 χ^2/NDF: 1071.1/20

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -1.728+/-0.342 χ^2/NDF: 3661.1/25

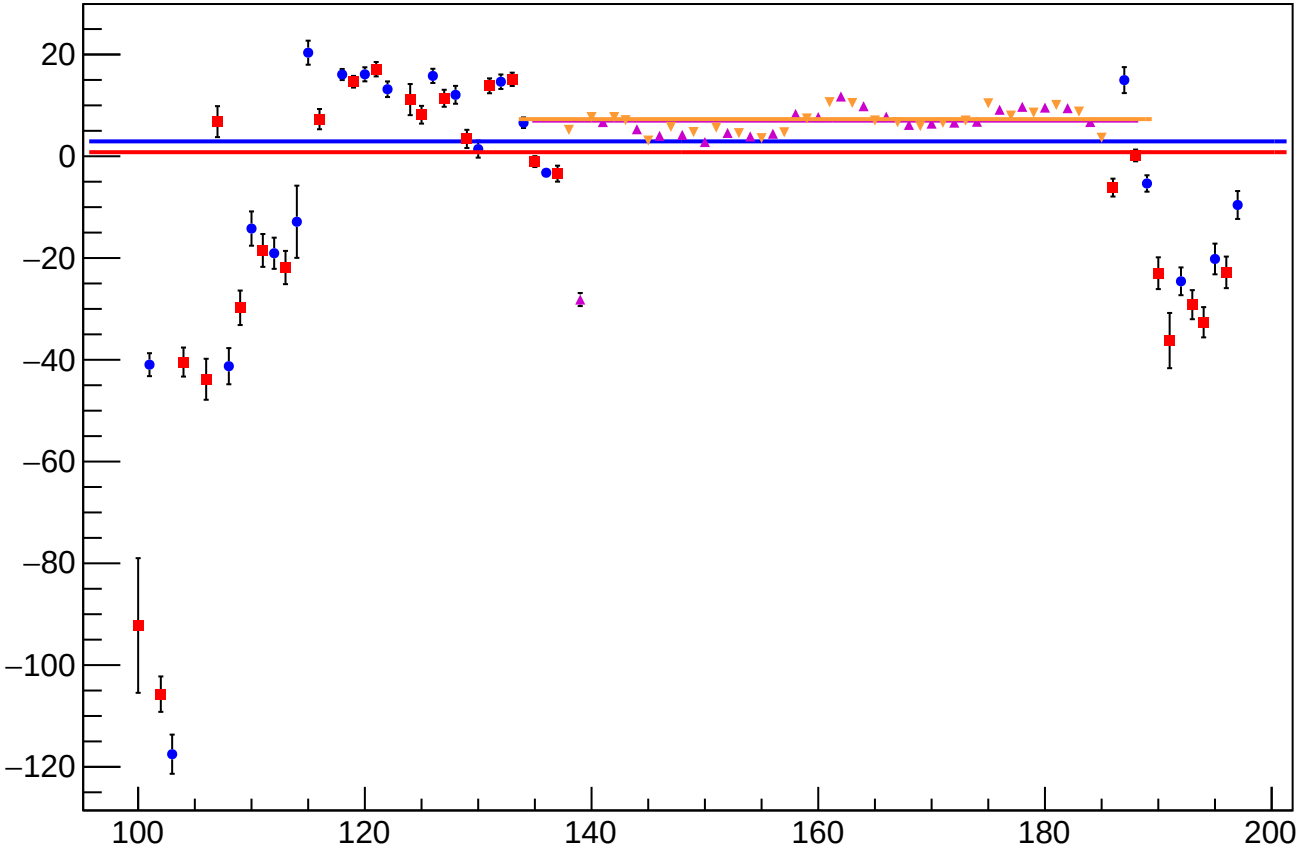
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.744+/-0.089 χ^2/NDF: 3496.8/45

All: -11.379+/-0.063 χ^2/NDF: 9934.4/94

- sign -10.993+/-0.091 χ^2/NDF: 6402.5/48

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 2.925+/-0.361 χ^2/NDF: 2411.1/20

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 0.801+/-0.374 χ^2/NDF: 2469.7/25

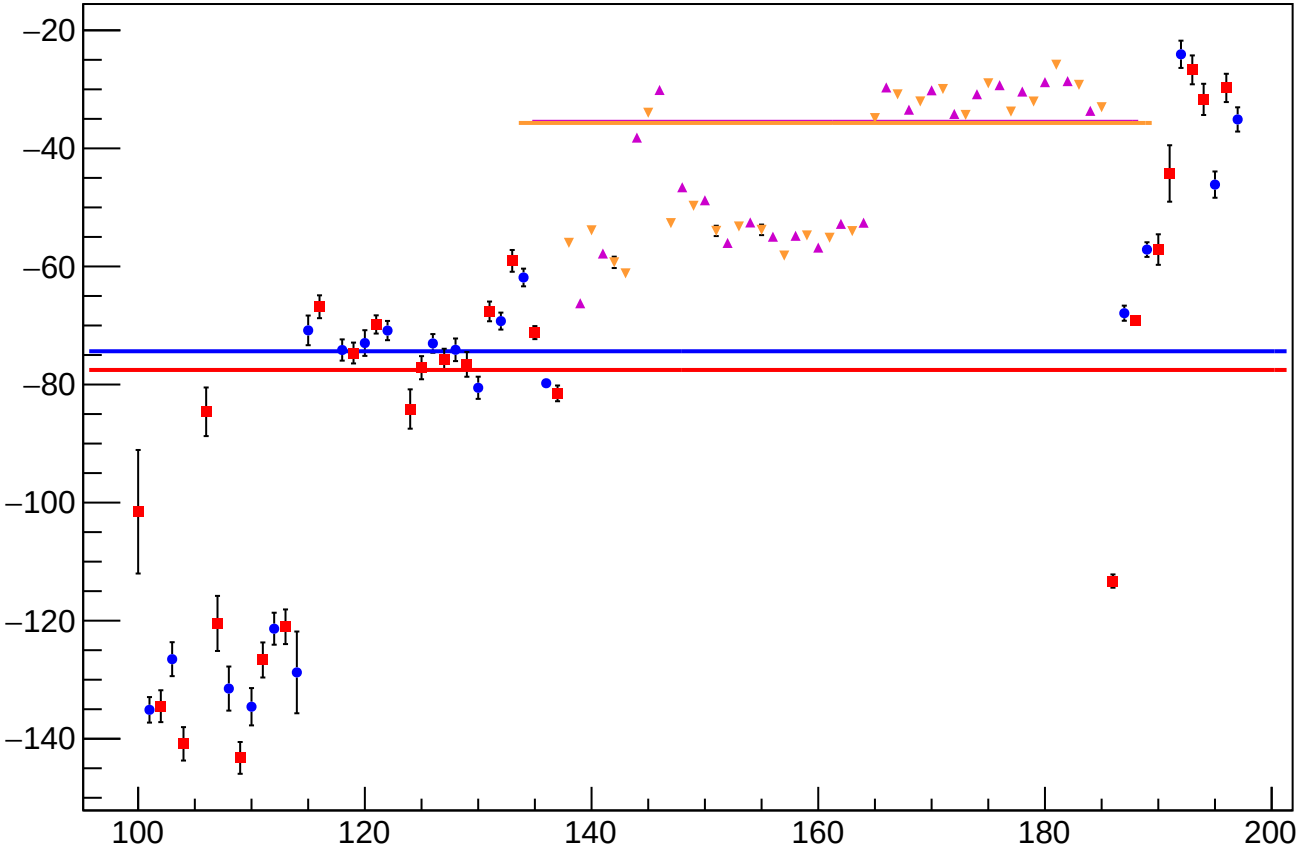
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.117+/-0.073 χ^2/NDF: 3374.3/45

All: 6.940+/-0.052 χ^2/NDF: 7696.1/94

- sign 6.758+/-0.074 χ^2/NDF: 4310.0/48

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -74.364+/-0.362 χ^2/NDF: 3460.8/20

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -77.532+/-0.344 χ^2/NDF: 4778.4/25

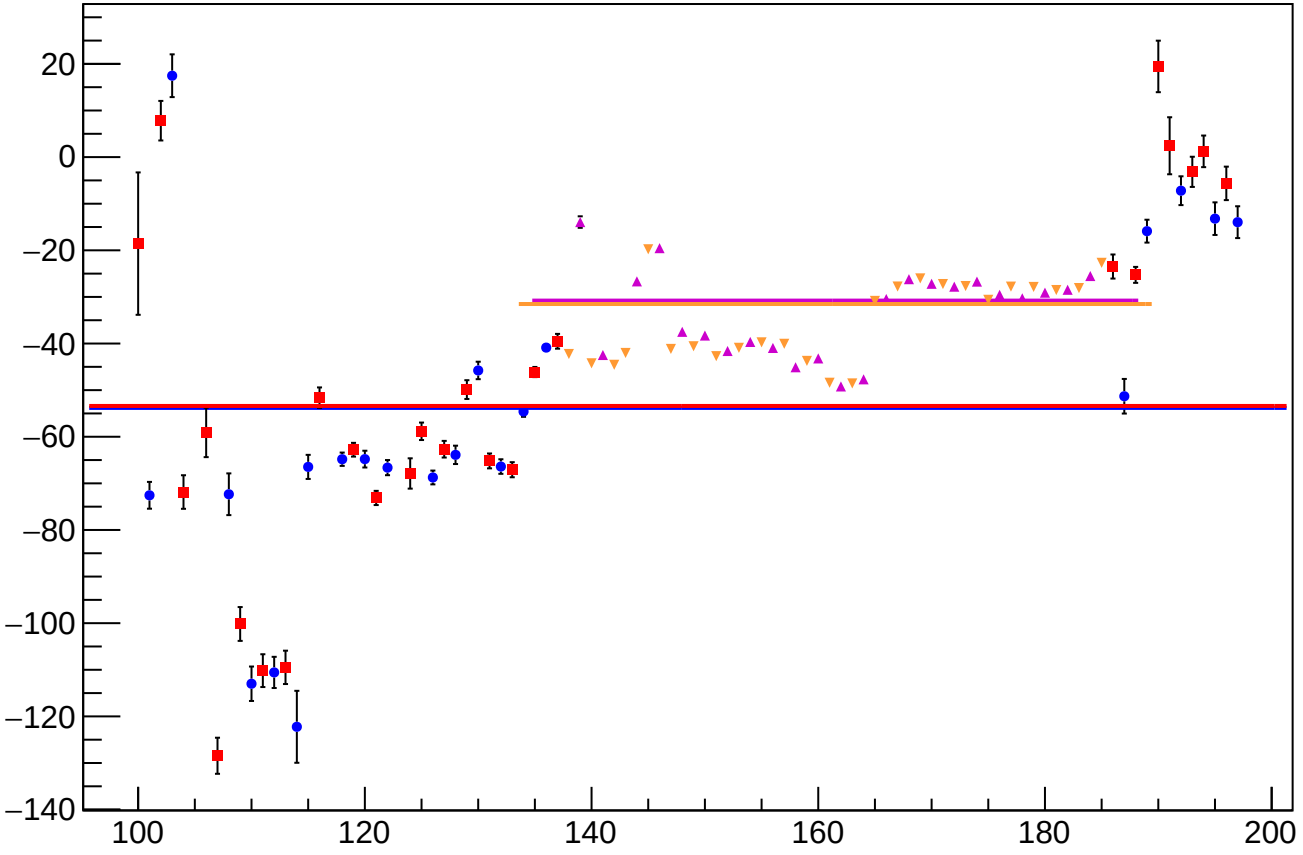
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.050+/-0.089 χ^2/NDF: 26966.8/45

All: -38.246+/-0.064 χ^2/NDF: 56796.1/94

- sign -38.451+/-0.091 χ^2/NDF: 29819.3/48

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -53.809+/-0.407 χ^2/NDF: 2323.9/20

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -53.393+/-0.433 χ^2/NDF: 3141.3/25

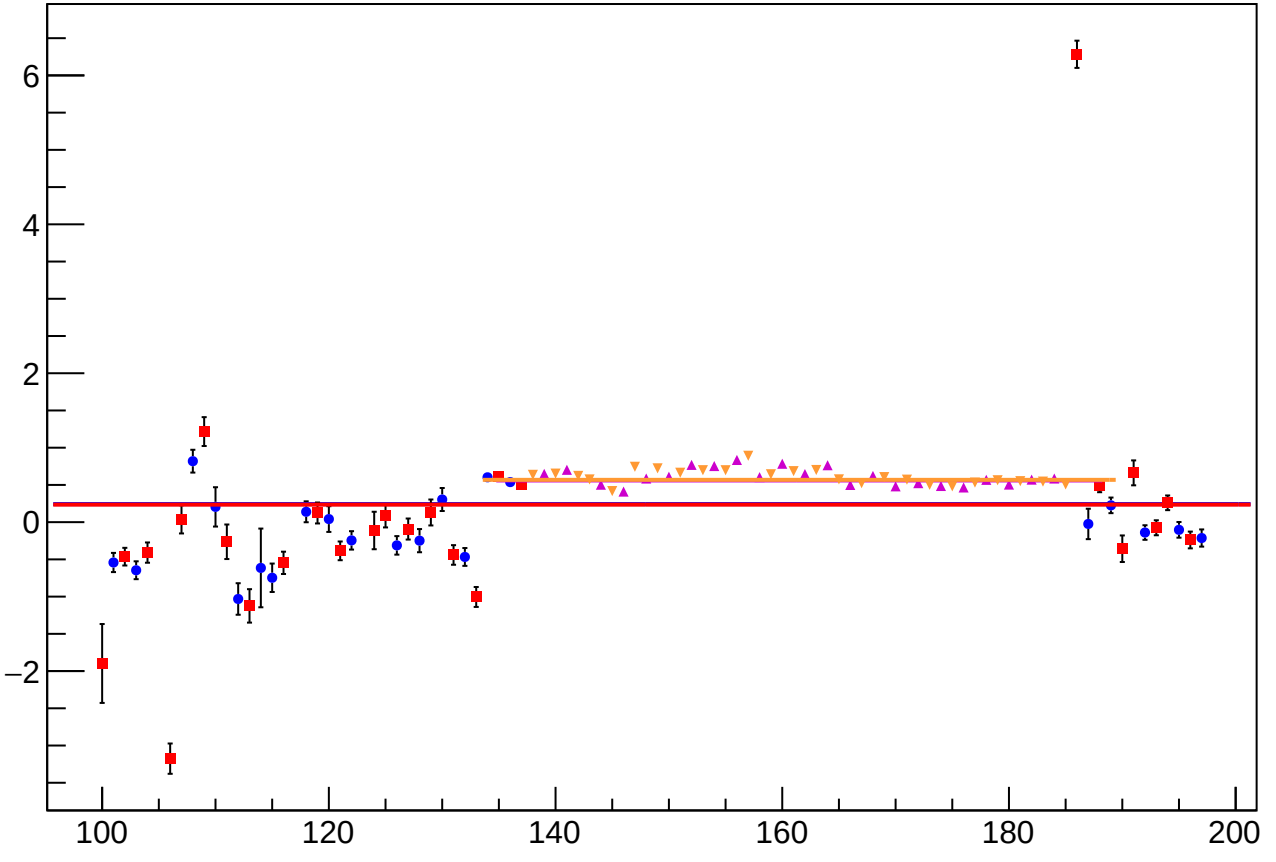
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

\+ sign -32.404+/-0.081 χ^2/NDF: 13657.6/45

All: -32.018+/-0.058 χ^2/NDF: 27021.3/94

\- sign -31.615+/-0.083 χ^2/NDF: 13317.3/48

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.243+/-0.021 χ^2/NDF: 425.0/20

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

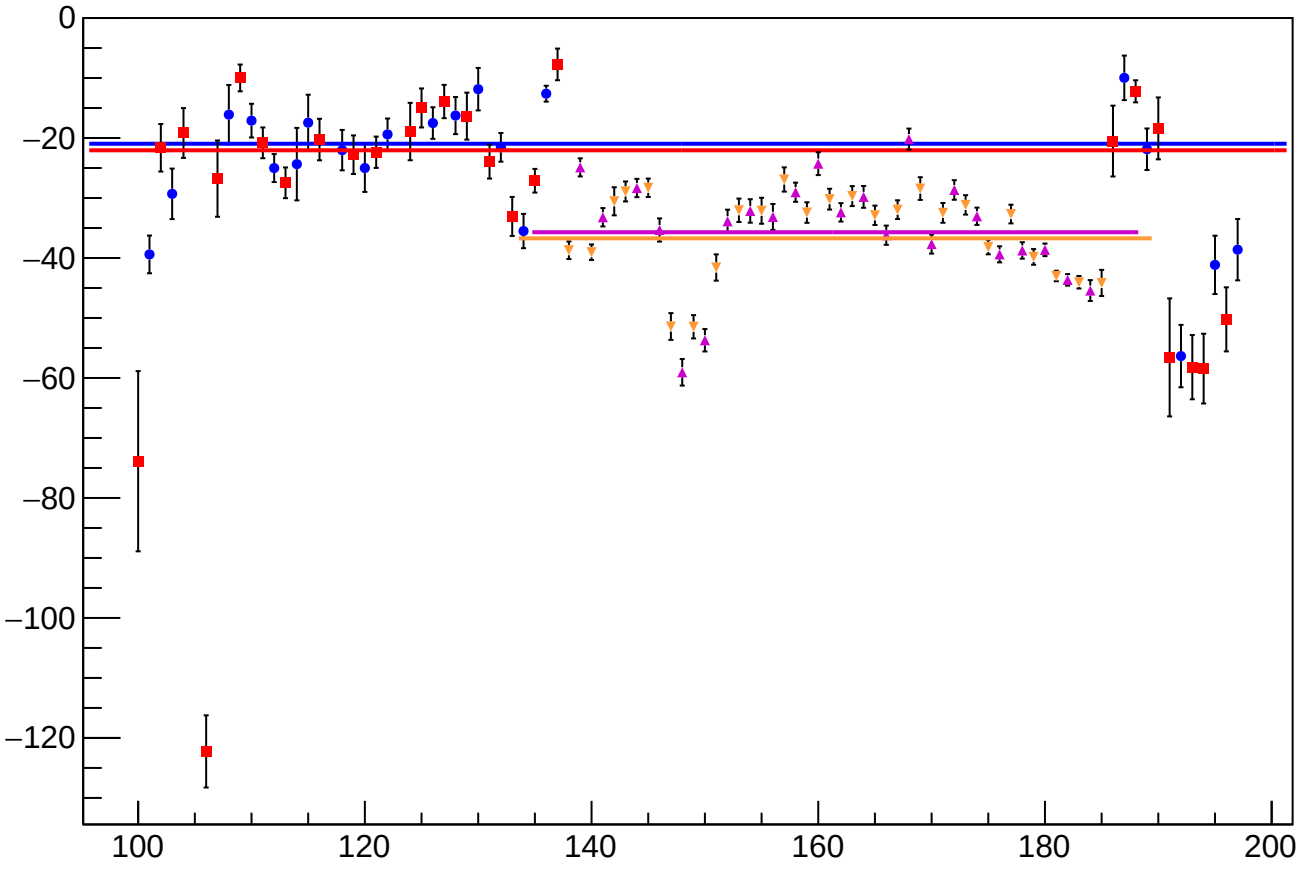
Right Out: 0.235+/-0.023 χ^2/NDF: 1835.4/25

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.558+/-0.004 χ^2/NDF: 1214.5/45

All: 0.555+/-0.003 χ^2/NDF: 3922.3/94

- sign 0.551+/-0.004 χ^2/NDF: 2705.9/48



Right In: -20.956+/-0.653 χ^2/NDF: 207.1/20

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.050+/-0.641 χ^2/NDF: 542.6/25

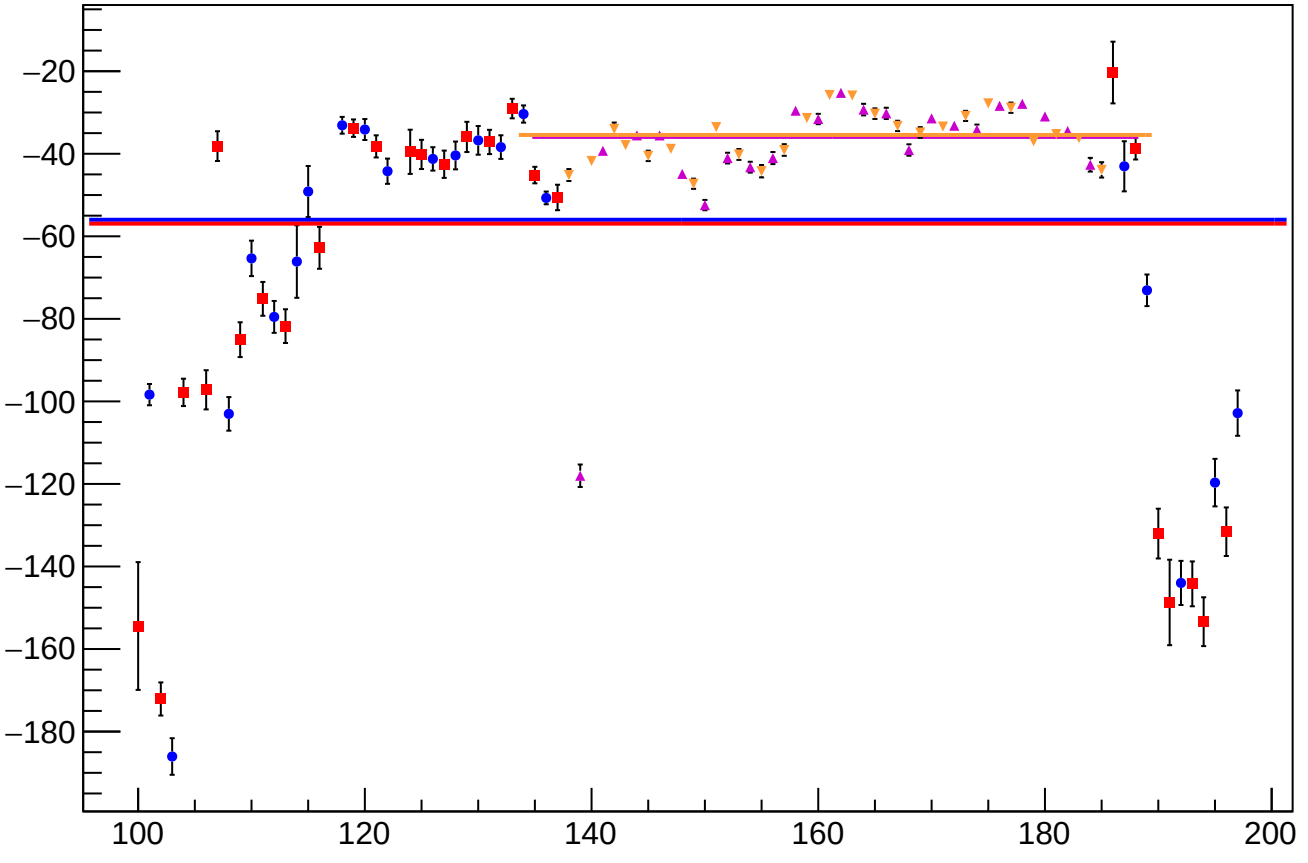
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

\+ sign -33.821+/-0.280 χ^2/NDF: 1103.5/45

All: -33.392+/-0.201 χ^2/NDF: 2591.7/94

\- sign -32.937+/-0.289 χ^2/NDF: 1483.3/48

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -55.989+/-0.676 χ^2/NDF: 2295.8/20

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -56.929+/-0.694 χ^2/NDF: 2684.3/25

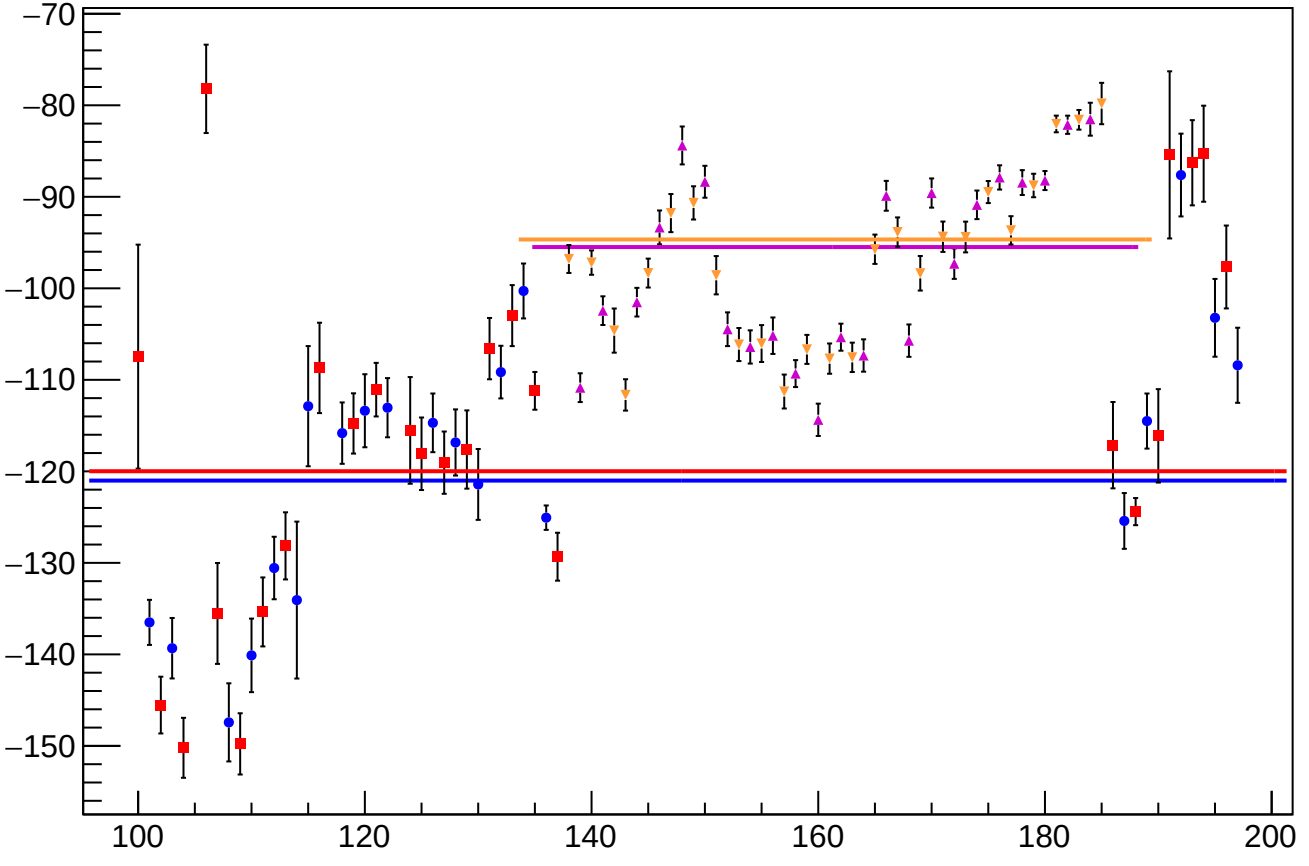
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -37.825+/-0.230 χ^2/NDF: 3650.1/45

All: -38.117+/-0.166 χ^2/NDF: 8688.6/94

- sign -38.434+/-0.240 χ^2/NDF: 5035.1/48

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -121.010+/-0.681 χ^2/NDF: 322.3/20

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -119.985+/-0.668 χ^2/NDF: 573.3/25

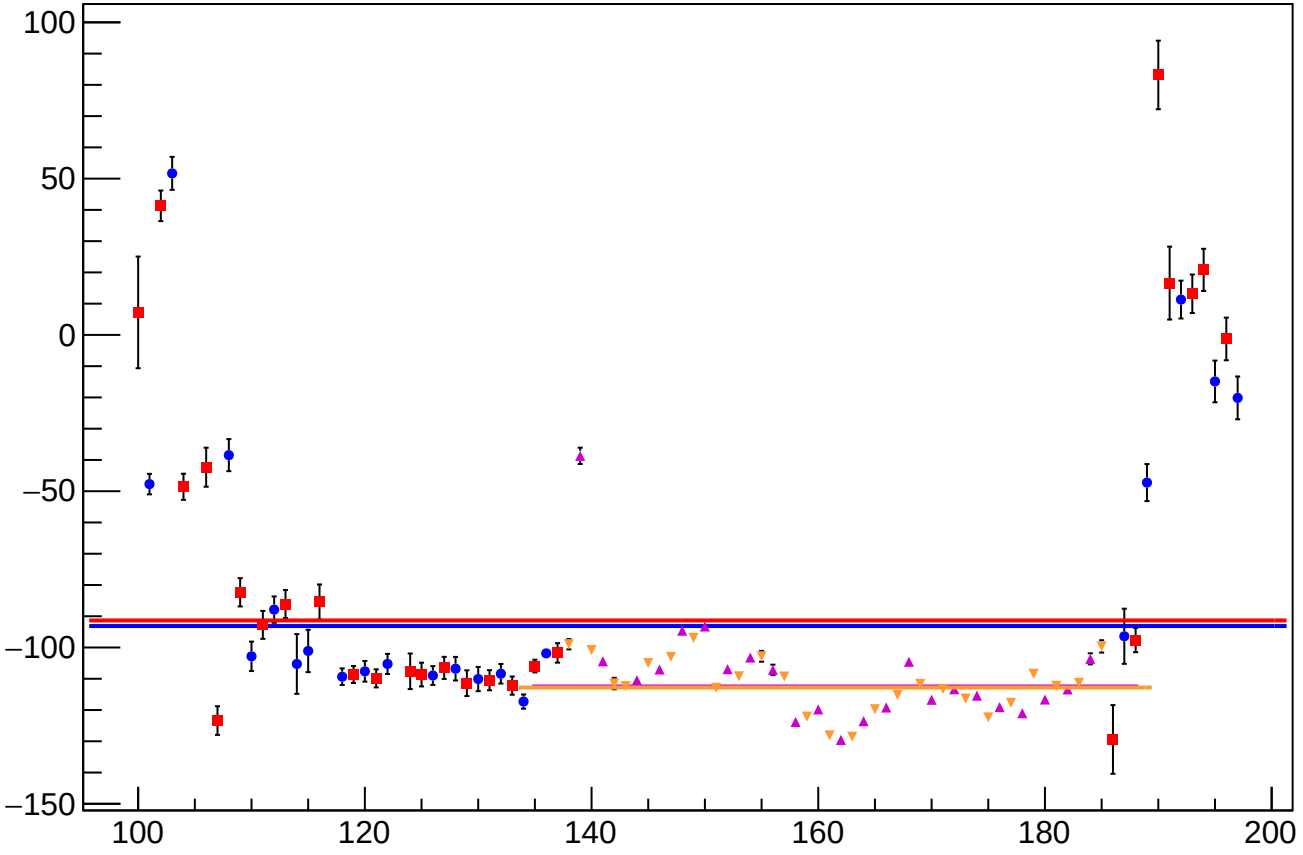
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.186+/-0.282 χ^2/NDF: 2464.0/45

All: -99.624+/-0.202 χ^2/NDF: 5103.8/94

- sign -100.085+/-0.289 χ^2/NDF: 2634.9/48

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -93.136+/-0.766 χ^2/NDF: 1975.4/20

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -91.346+/-0.799 χ^2/NDF: 2381.9/25

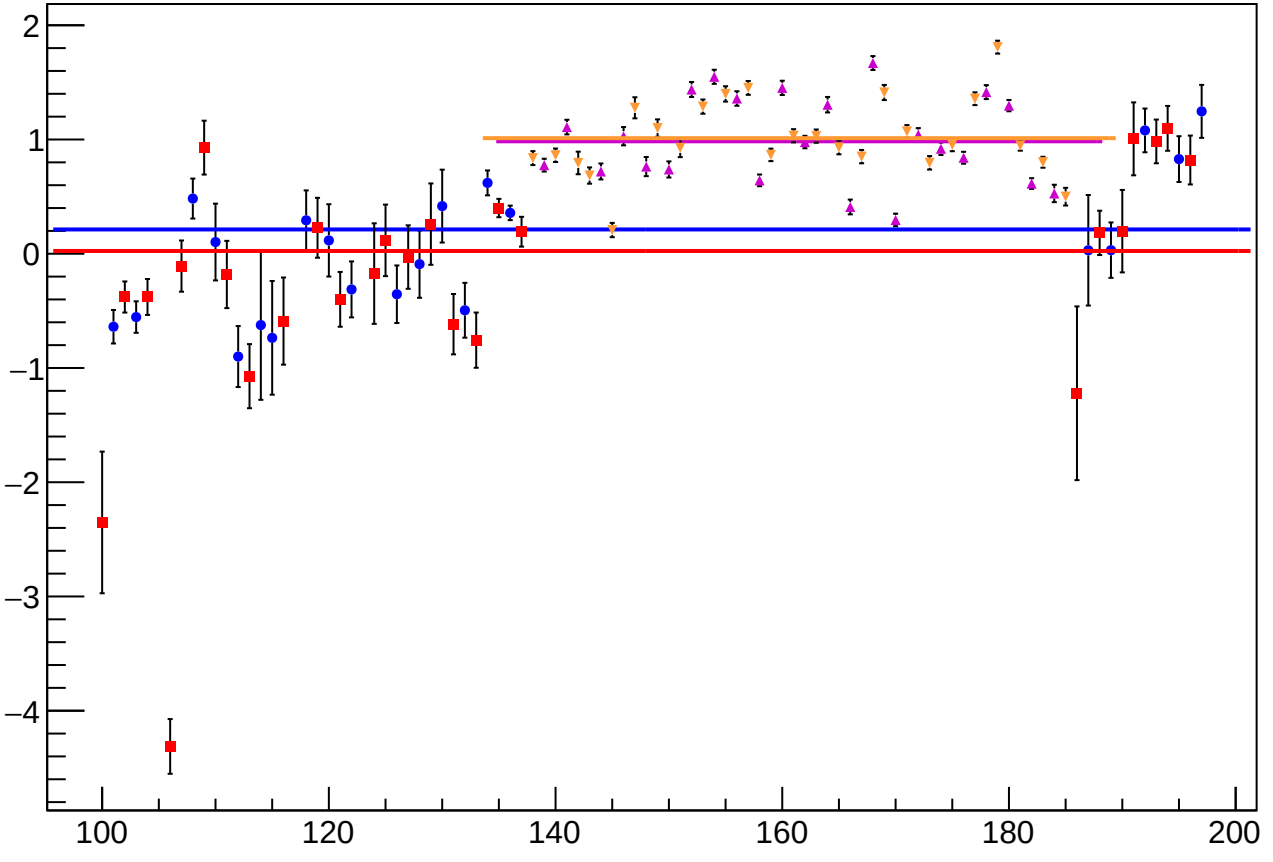
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -110.565+/-0.258 χ^2/NDF: 3495.2/45

All: -110.333+/-0.186 χ^2/NDF: 8287.7/94

- sign -110.082+/-0.268 χ^2/NDF: 4790.9/48

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.213+/-0.038 χ^2/NDF: 179.5/20

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.024+/-0.040 χ^2/NDF: 517.3/25

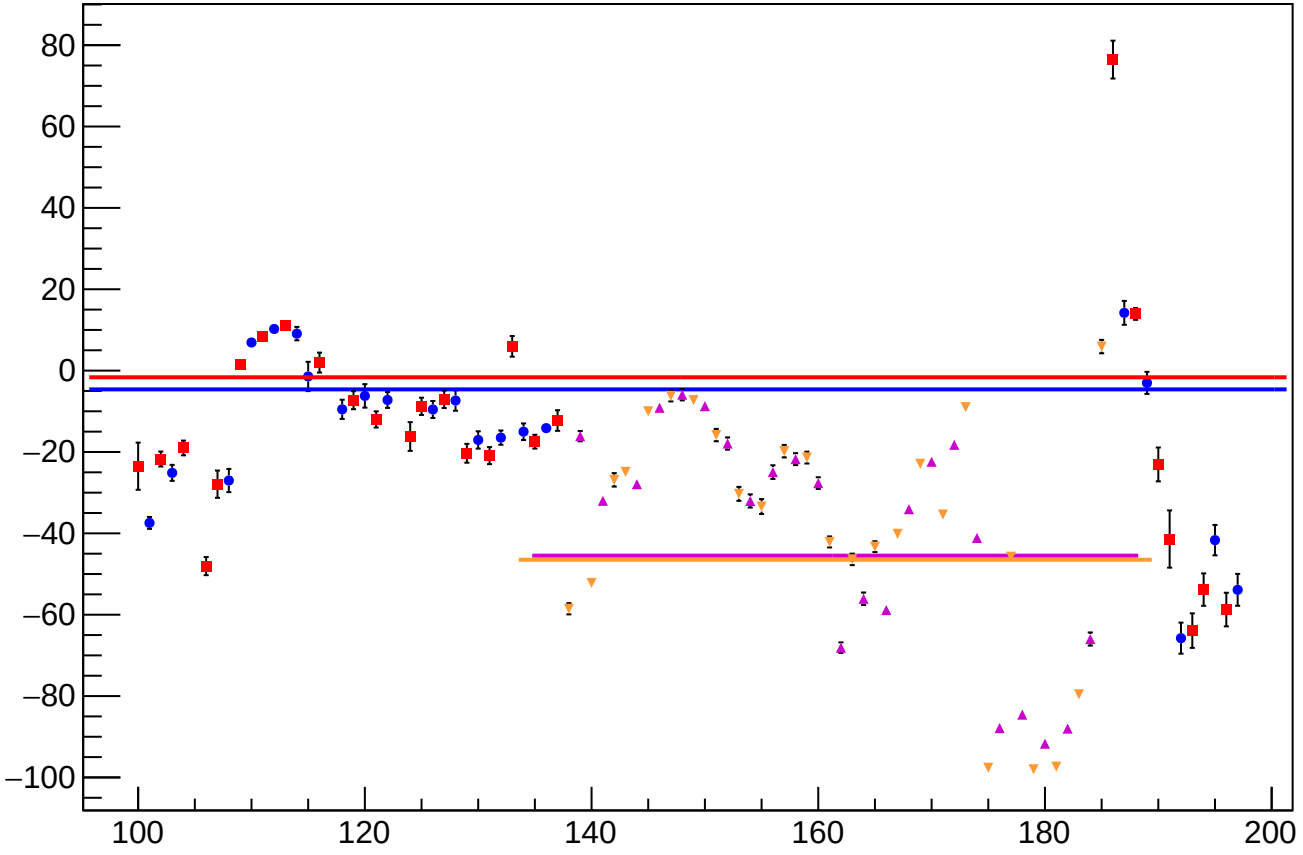
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.938+/-0.012 χ^2/NDF: 1265.0/45

All: 0.919+/-0.008 χ^2/NDF: 3206.2/94

- sign 0.899+/-0.012 χ^2/NDF: 1935.9/48

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -4.615+/-0.365 χ^2/NDF: 2091.7/20

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -1.640+/-0.324 χ^2/NDF: 2558.3/25

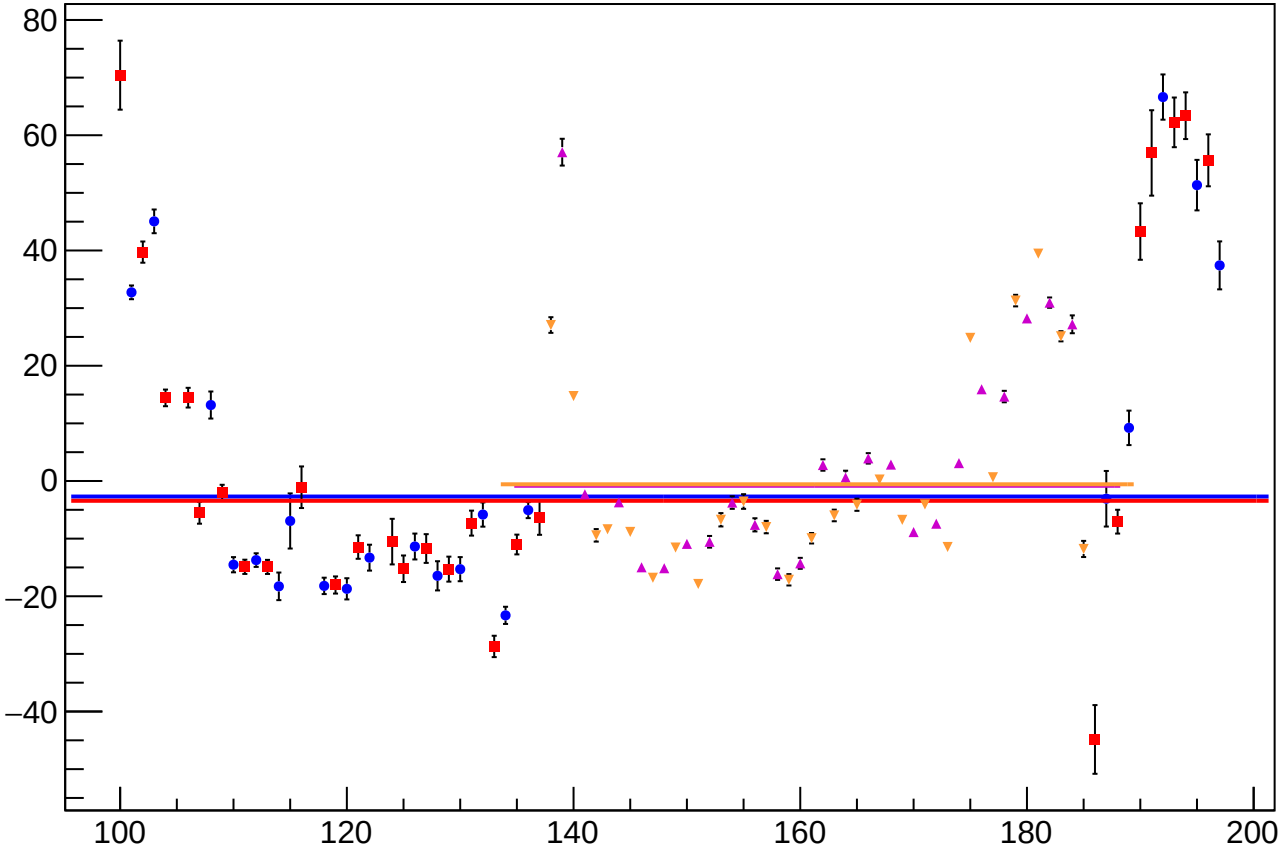
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

\+ sign -34.589+/-0.195 χ^2/NDF: 31555.6/45

All: -32.343+/-0.137 χ^2/NDF: 61838.5/94

\- sign -30.165+/-0.192 χ^2/NDF: 30020.7/48

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -2.698+/-0.418 χ^2/NDF: 2743.0/20

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -3.435+/-0.405 χ^2/NDF: 2416.7/25

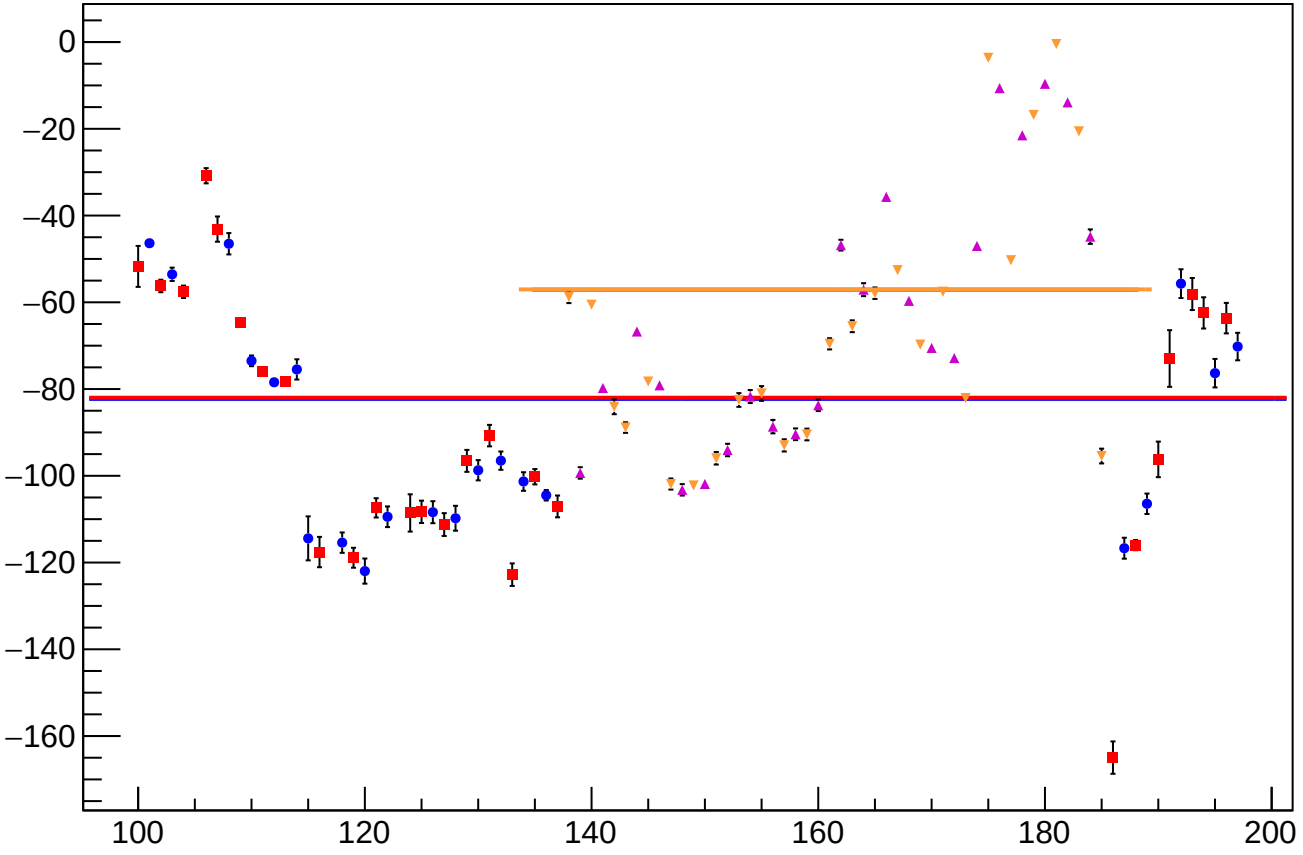
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.896+/-0.163 χ^2/NDF: 11216.3/45

All: -1.079+/-0.117 χ^2/NDF: 19786.6/94

- sign -1.270+/-0.167 χ^2/NDF: 8567.7/48

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -82.266+/-0.414 χ^2/NDF: 3268.2/20

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -82.006+/-0.381 χ^2/NDF: 4702.0/25

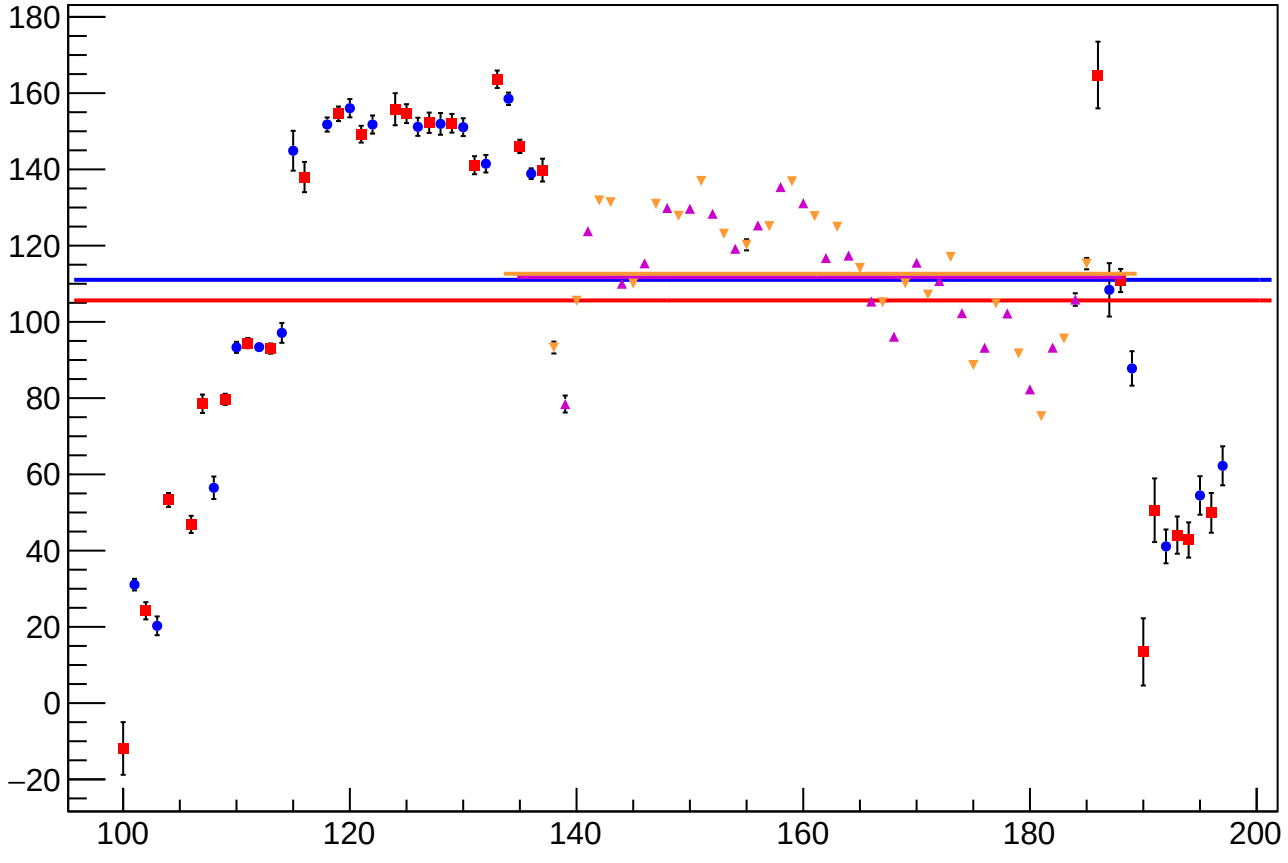
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.979+/-0.201 χ^2/NDF: 26419.4/45

All: -63.495+/-0.142 χ^2/NDF: 51382.8/94

- sign -64.012+/-0.201 χ^2/NDF: 24950.3/48

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.035+/-0.478 χ^2/NDF: 8713.5/20

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 105.628+/-0.465 χ^2/NDF: 8219.1/25

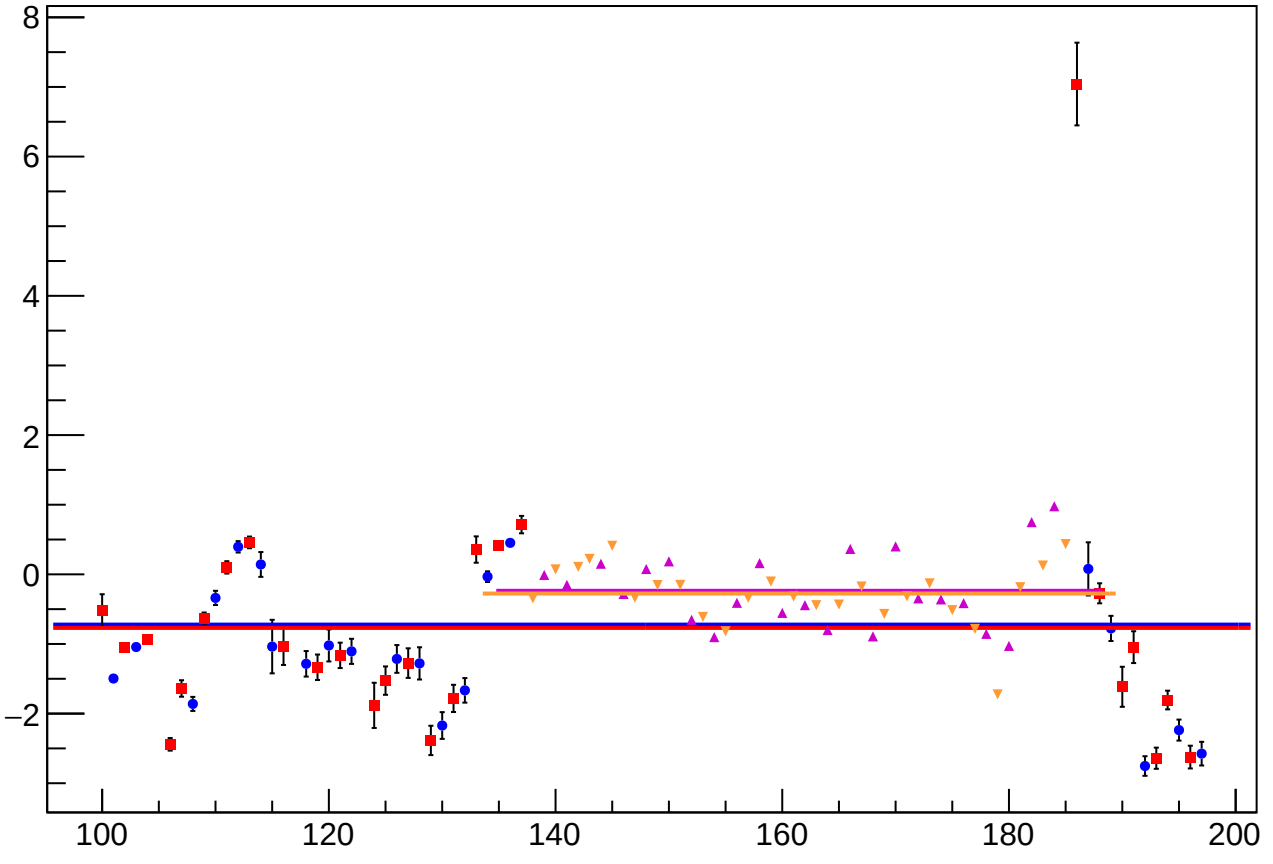
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.388+/-0.184 χ^2/NDF: 15430.9/45

All: 111.572+/-0.132 χ^2/NDF: 28730.3/94

- sign 110.720+/-0.188 χ^2/NDF: 13259.4/48

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.722+/-0.024 χ^2/NDF: 1565.7/20

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.769+/-0.024 χ^2/NDF: 1870.7/25

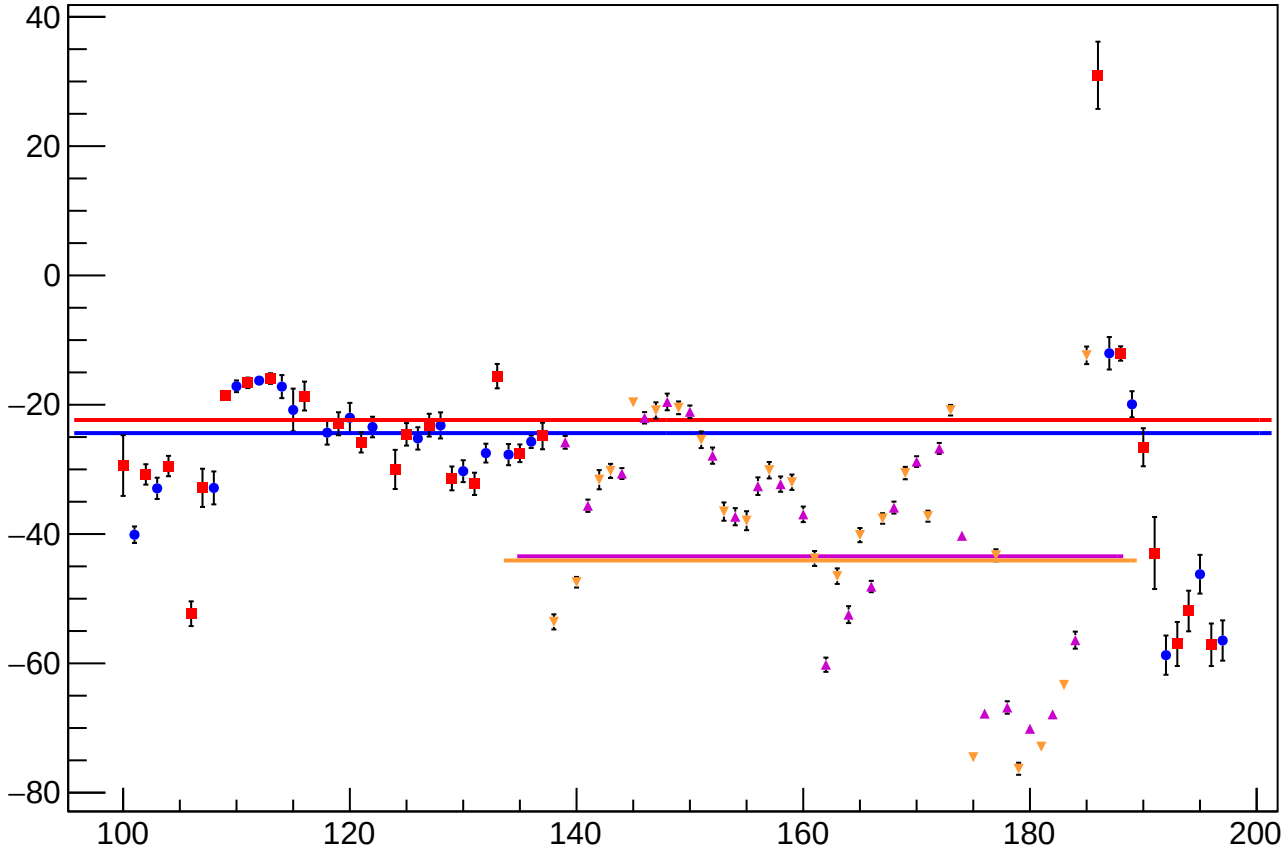
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.329+/-0.008 χ^2/NDF: 3981.0/45

All: -0.318+/-0.006 χ^2/NDF: 9258.4/94

- sign -0.306+/-0.009 χ^2/NDF: 5273.9/48

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -24.385+/-0.334 χ^2/NDF: 727.6/20

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.359+/-0.302 χ^2/NDF: 1061.6/25

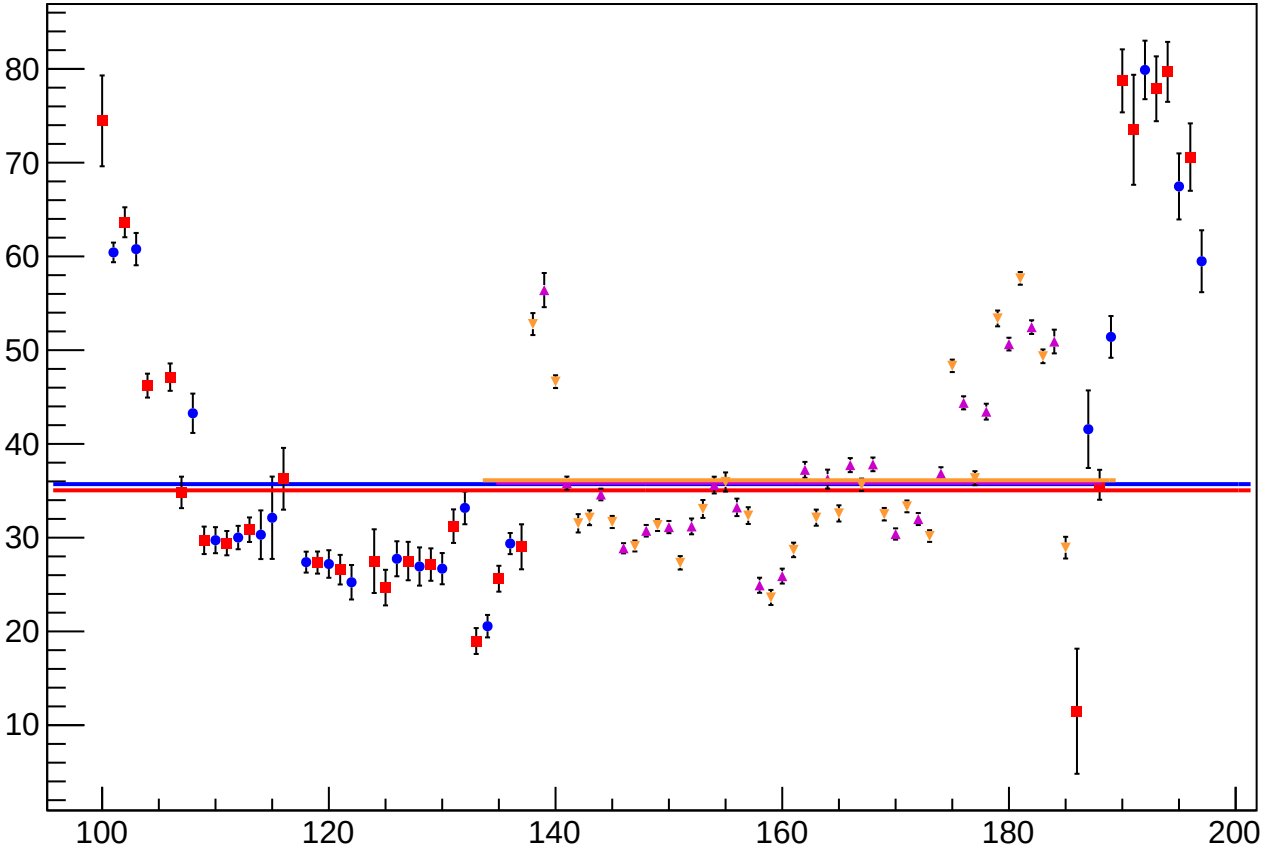
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

\+ sign -39.152+/-0.167 χ^2/NDF: 13677.4/45

All: -38.113+/-0.118 χ^2/NDF: 26031.1/94

\- sign -37.086+/-0.166 χ^2/NDF: 12276.8/48

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 35.710+/-0.362 χ^2/NDF: 1592.7/20

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 35.047+/-0.354 χ^2/NDF: 1578.4/25

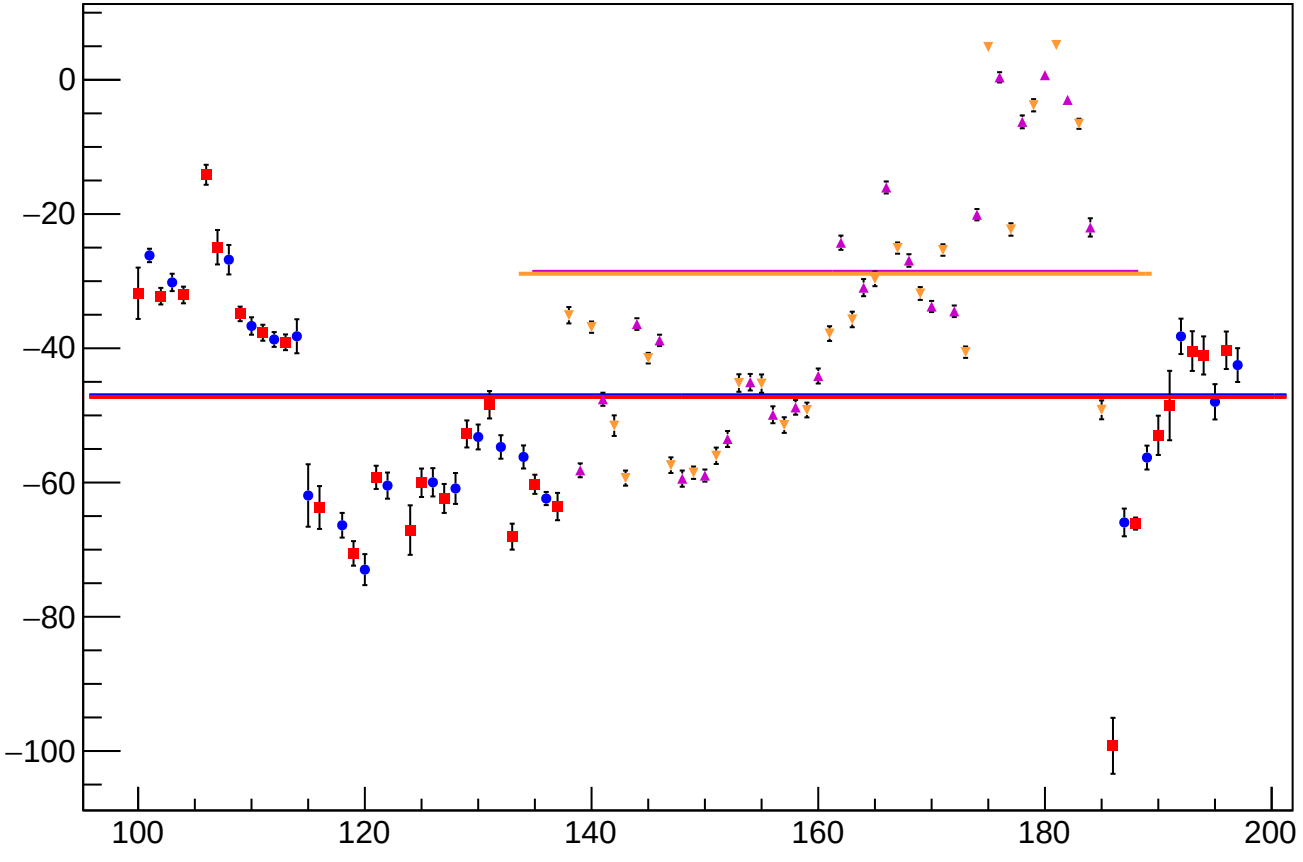
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.062+/-0.139 χ^2/NDF: 5152.3/45

All: 35.896+/-0.099 χ^2/NDF: 9031.5/94

- sign 35.722+/-0.142 χ^2/NDF: 3876.2/48

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -47.001+/-0.363 χ^2/NDF: 1619.9/20

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.249+/-0.337 χ^2/NDF: 2365.3/25

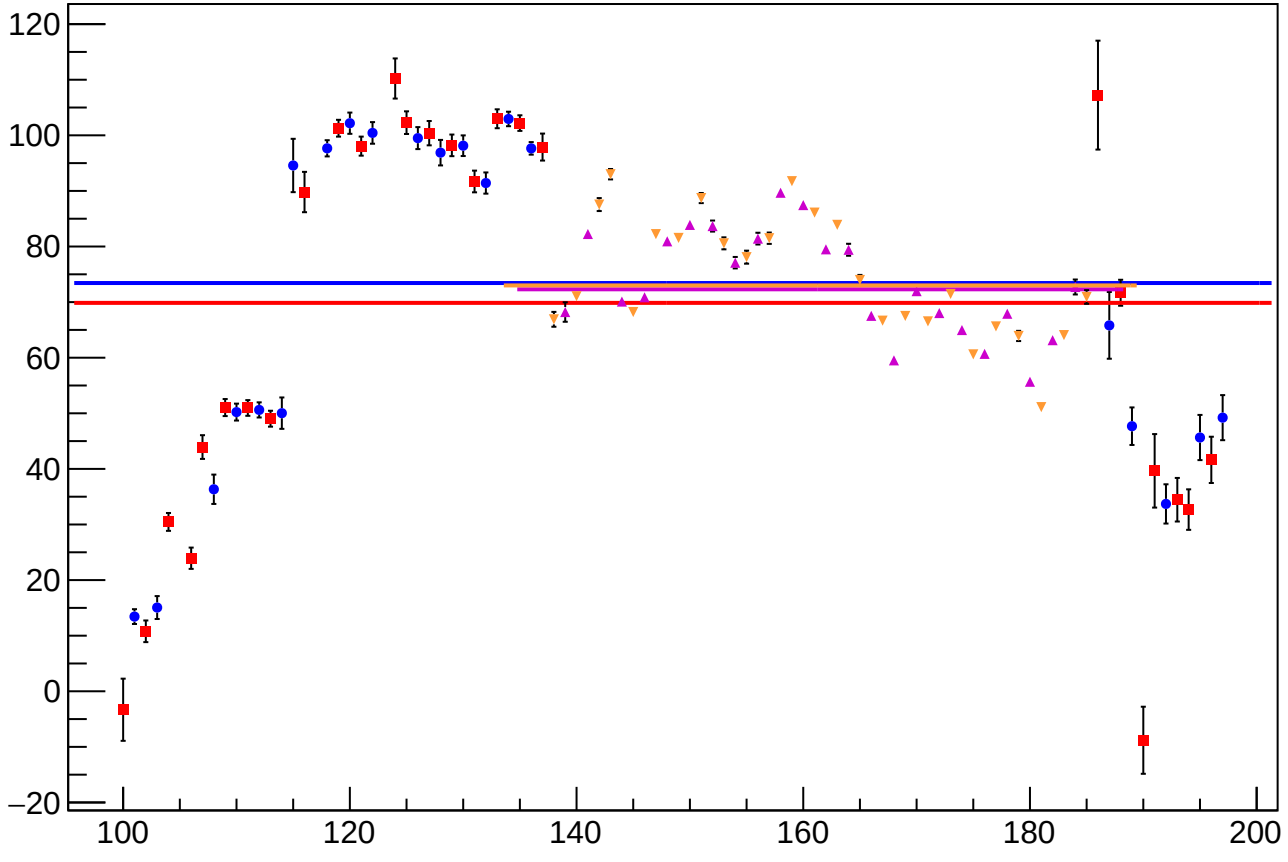
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.869+/-0.170 χ^2/NDF: 15357.2/45

All: -33.124+/-0.121 χ^2/NDF: 30017.6/94

- sign -33.379+/-0.171 χ^2/NDF: 14656.0/48

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 73.433+/-0.415 χ^2/NDF: 6111.3/20

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 69.863+/-0.410 χ^2/NDF: 6080.2/25

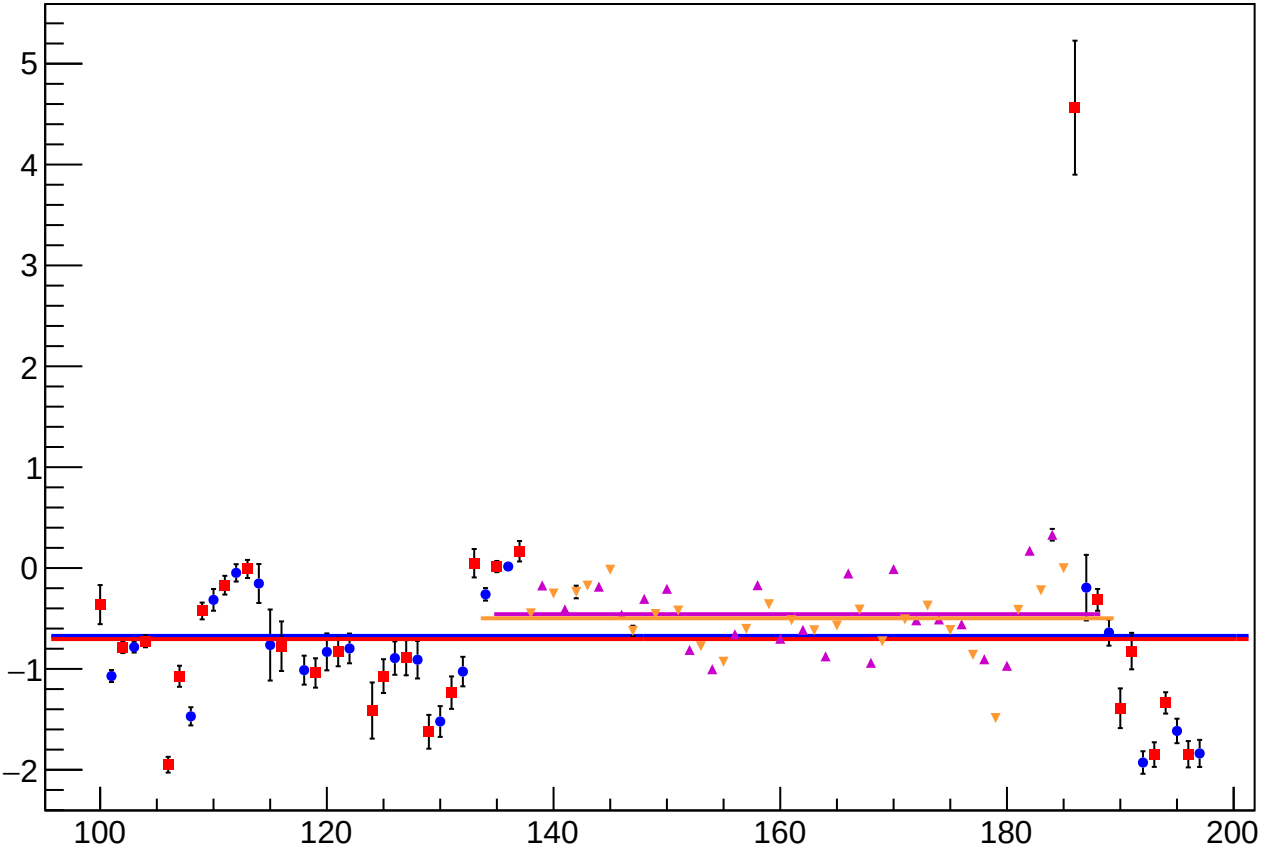
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.063+/-0.156 χ^2/NDF: 10164.7/45

All: 72.510+/-0.112 χ^2/NDF: 19213.2/94

- sign 71.932+/-0.160 χ^2/NDF: 9022.9/48

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.673+/-0.021 χ^2/NDF: 781.4/20

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.704+/-0.020 χ^2/NDF: 994.4/25

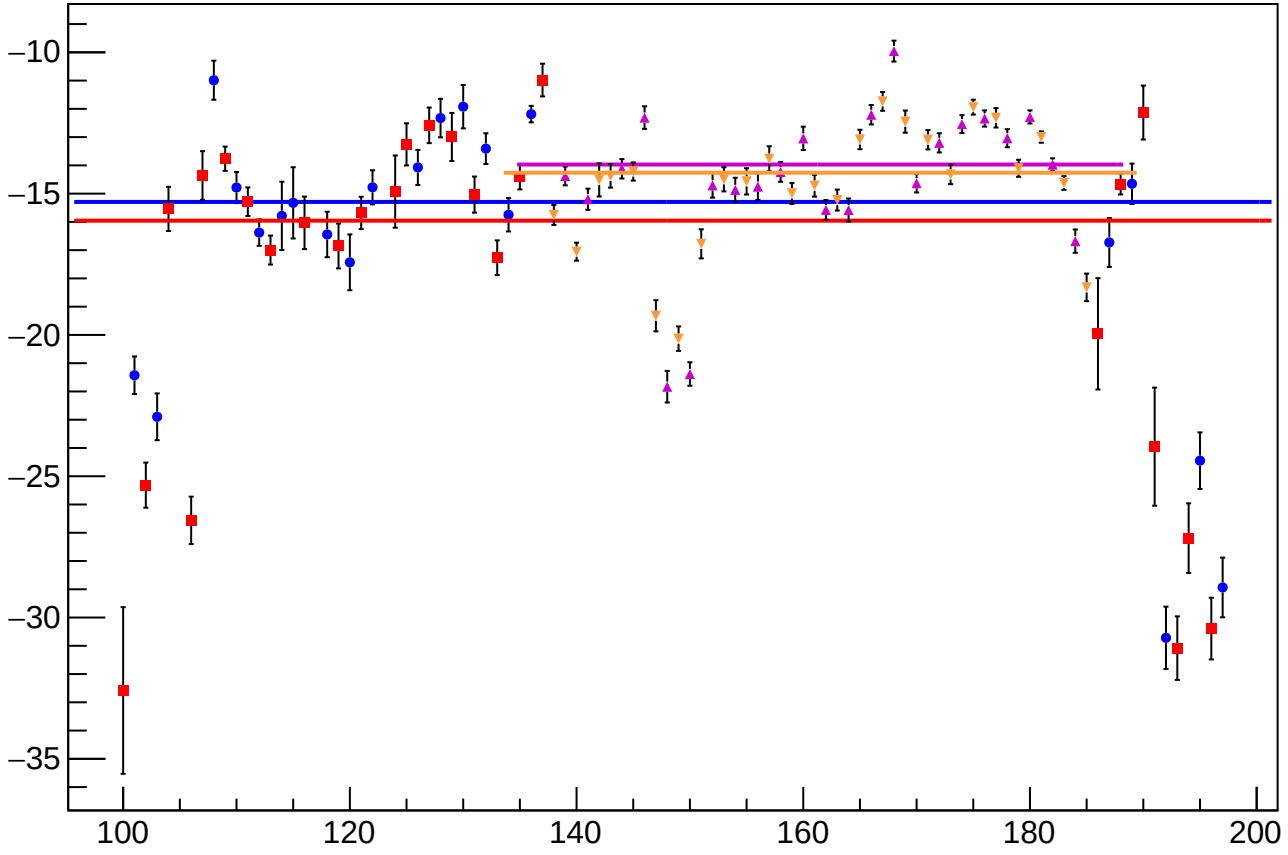
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.518+/-0.007 χ^2/NDF: 2326.3/45

All: -0.503+/-0.005 χ^2/NDF: 5560.3/94

- sign -0.488+/-0.007 χ^2/NDF: 3225.0/48

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.293+/-0.140 χ^2/NDF: 840.2/20

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -15.957+/-0.134 χ^2/NDF: 999.4/25

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.465+/-0.062 χ^2/NDF: 1607.7/45

All: -14.440+/-0.044 χ^2/NDF: 3685.9/94

- sign -14.414+/-0.063 χ^2/NDF: 2077.9/48

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug

Right In: -34.859+/-0.146 χ^2/NDF: 1885.9/20

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.793+/-0.143 χ^2/NDF: 2195.4/25

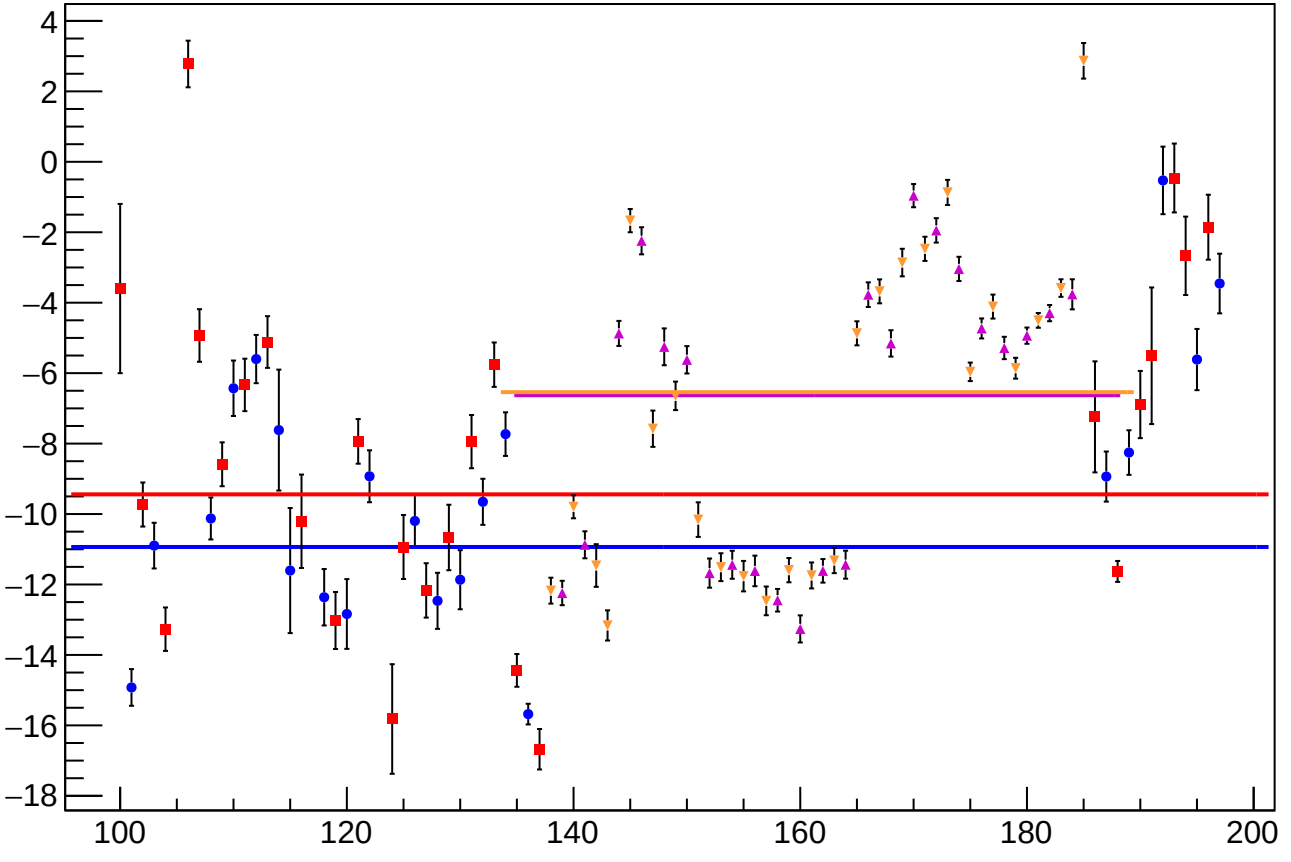
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.746+/-0.052 χ^2/NDF: 2958.7/45

All: -31.821+/-0.037 χ^2/NDF: 6848.8/94

- sign -31.901+/-0.053 χ^2/NDF: 3885.7/48

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.935+/-0.145 χ^2/NDF: 728.9/20

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.441+/-0.138 χ^2/NDF: 1104.0/25

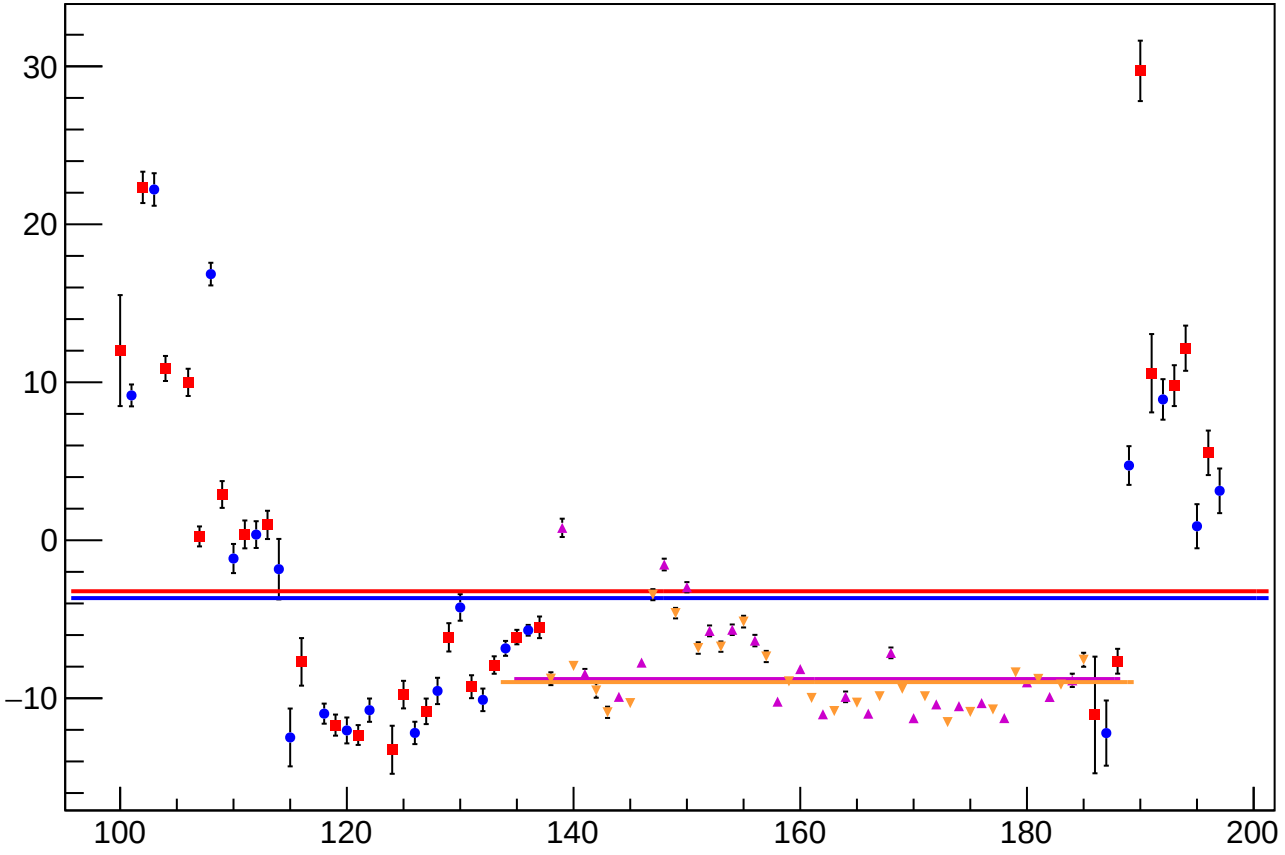
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.358+/-0.063 χ^2/NDF: 4714.9/45

All: -7.291+/-0.045 χ^2/NDF: 9058.9/94

- sign -7.223+/-0.063 χ^2/NDF: 4341.7/48

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.661+/-0.166 χ^2/NDF: 2727.4/20

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -3.227+/-0.167 χ^2/NDF: 2746.5/25

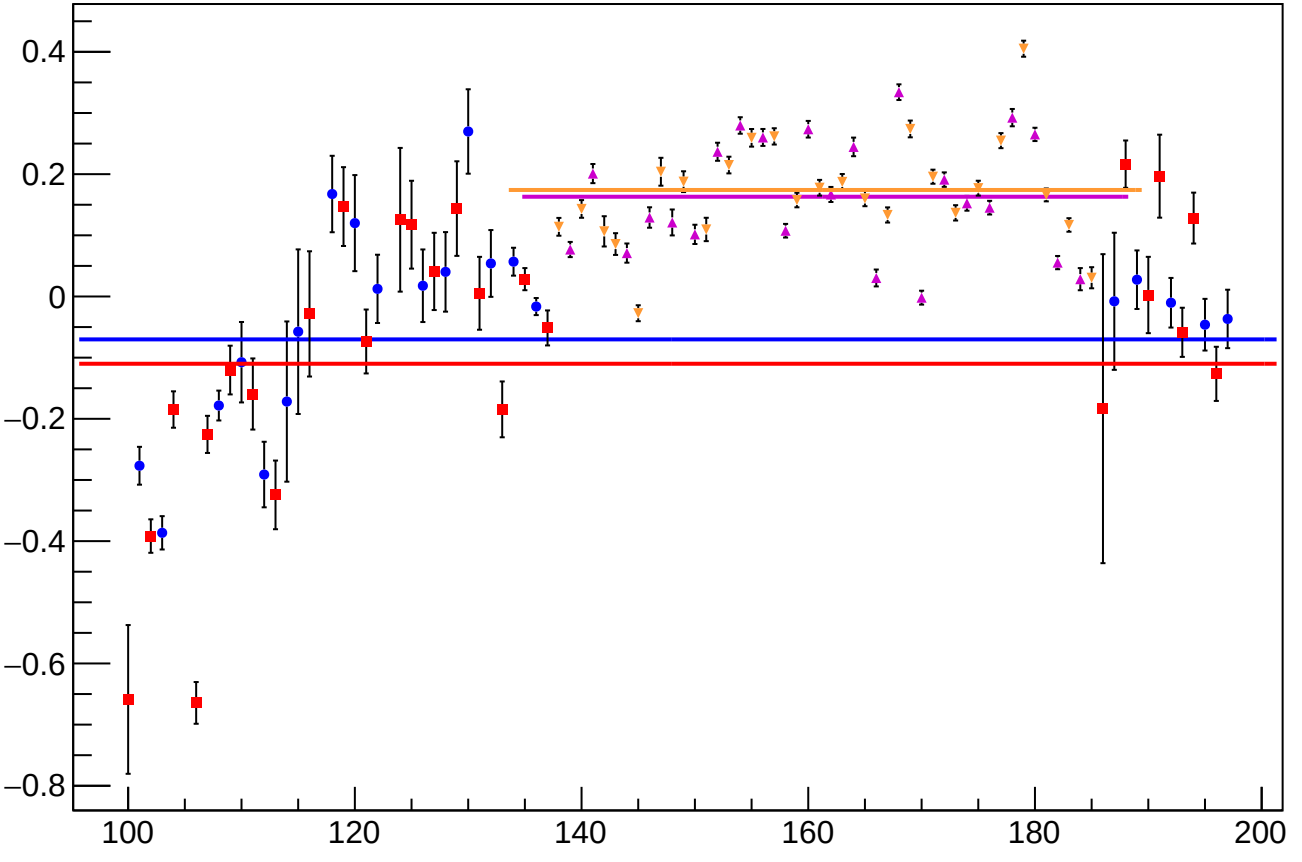
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.336+/-0.058 χ^2/NDF: 4602.7/45

All: -8.213+/-0.041 χ^2/NDF: 10014.8/94

- sign -8.083+/-0.059 χ^2/NDF: 5402.8/48

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.070+/-0.008 χ^2/NDF: 327.2/20

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.110+/-0.008 χ^2/NDF: 672.7/25

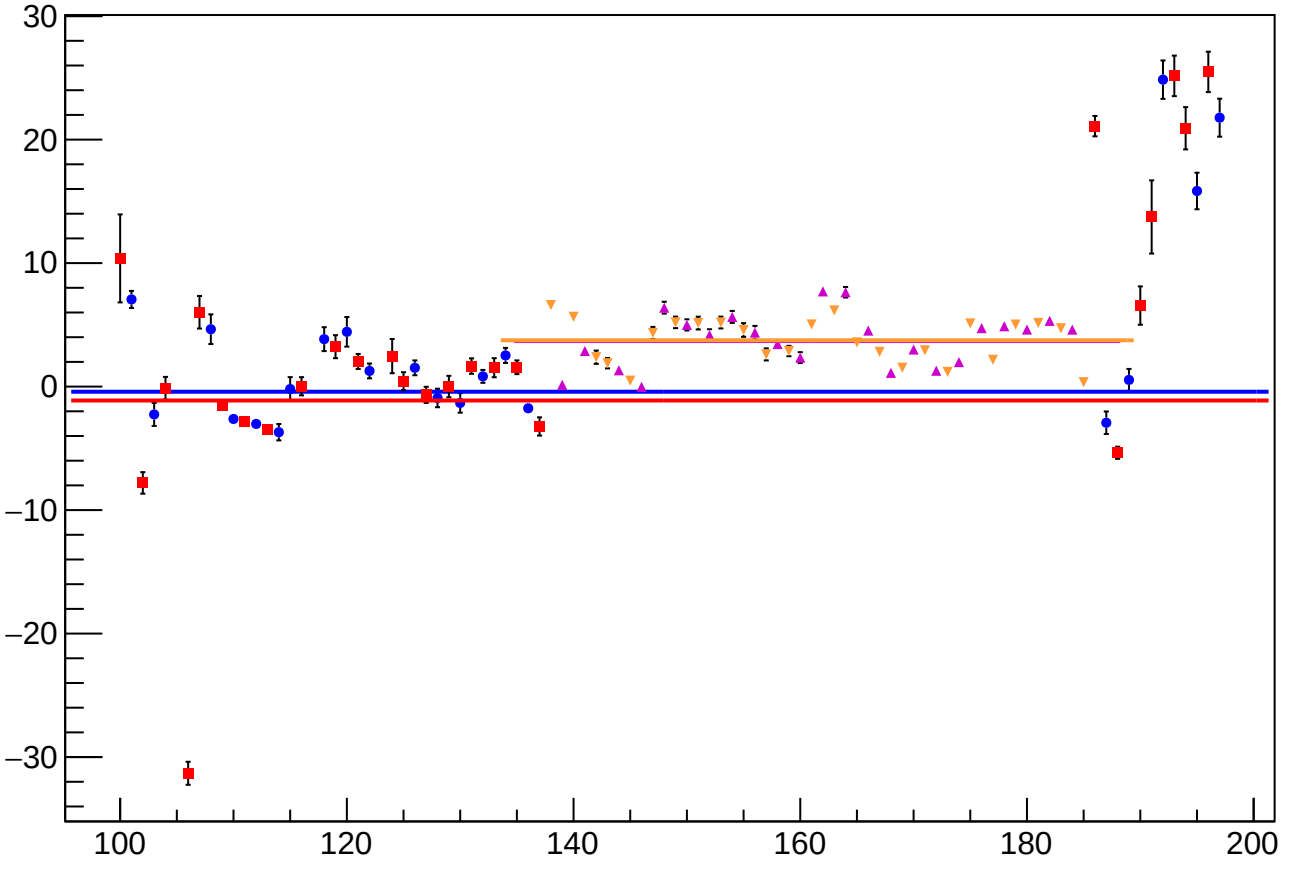
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.149+/-0.003 χ^2/NDF: 2091.3/45

All: 0.142+/-0.002 χ^2/NDF: 4976.7/94

- sign 0.135+/-0.003 χ^2/NDF: 2871.4/48

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.415+/-0.132 χ^2/NDF: 993.8/20

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -1.126+/-0.121 χ^2/NDF: 2903.5/25

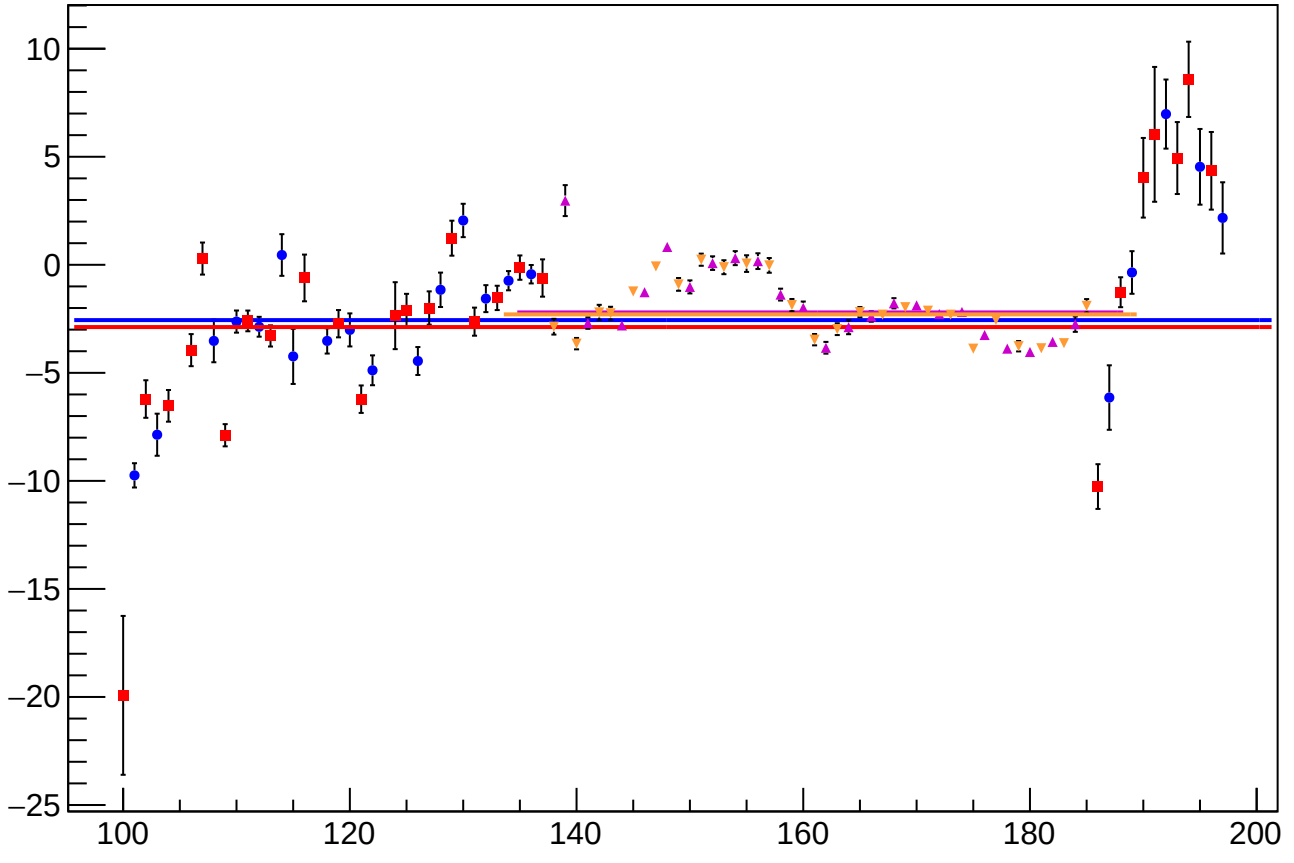
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 2.998+/-0.056 χ^2/NDF: 2618.8/45

All: 2.822+/-0.040 χ^2/NDF: 7727.7/94

- sign 2.643+/-0.057 χ^2/NDF: 5089.0/48

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.560+/-0.152 χ^2/NDF: 382.8/20

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.881+/-0.150 χ^2/NDF: 434.2/25

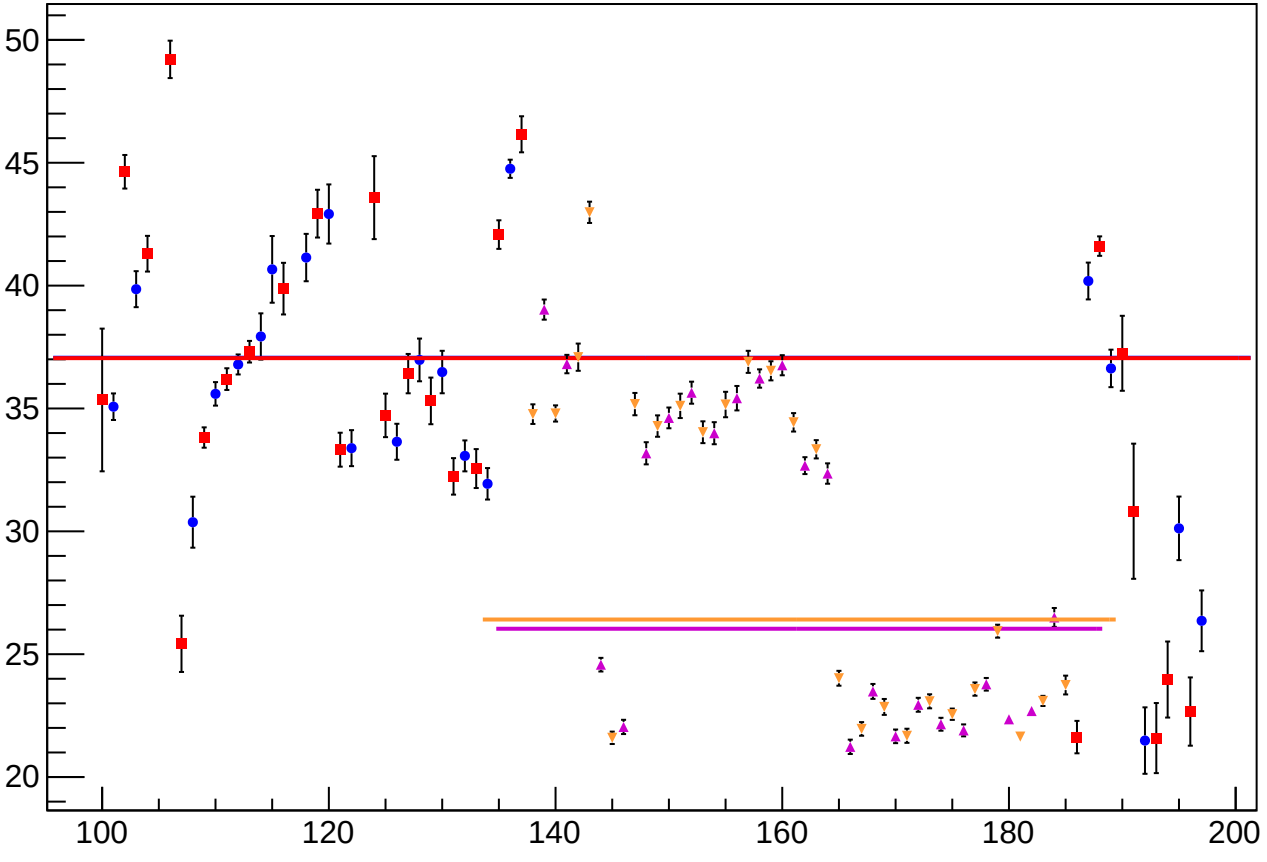
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.320+/-0.047 χ^2/NDF: 1017.0/45

All: -2.297+/-0.034 χ^2/NDF: 2194.7/94

- sign -2.274+/-0.048 χ^2/NDF: 1177.3/48

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.065+/-0.151 χ^2/NDF: 966.8/20

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 37.048+/-0.141 χ^2/NDF: 1963.1/25

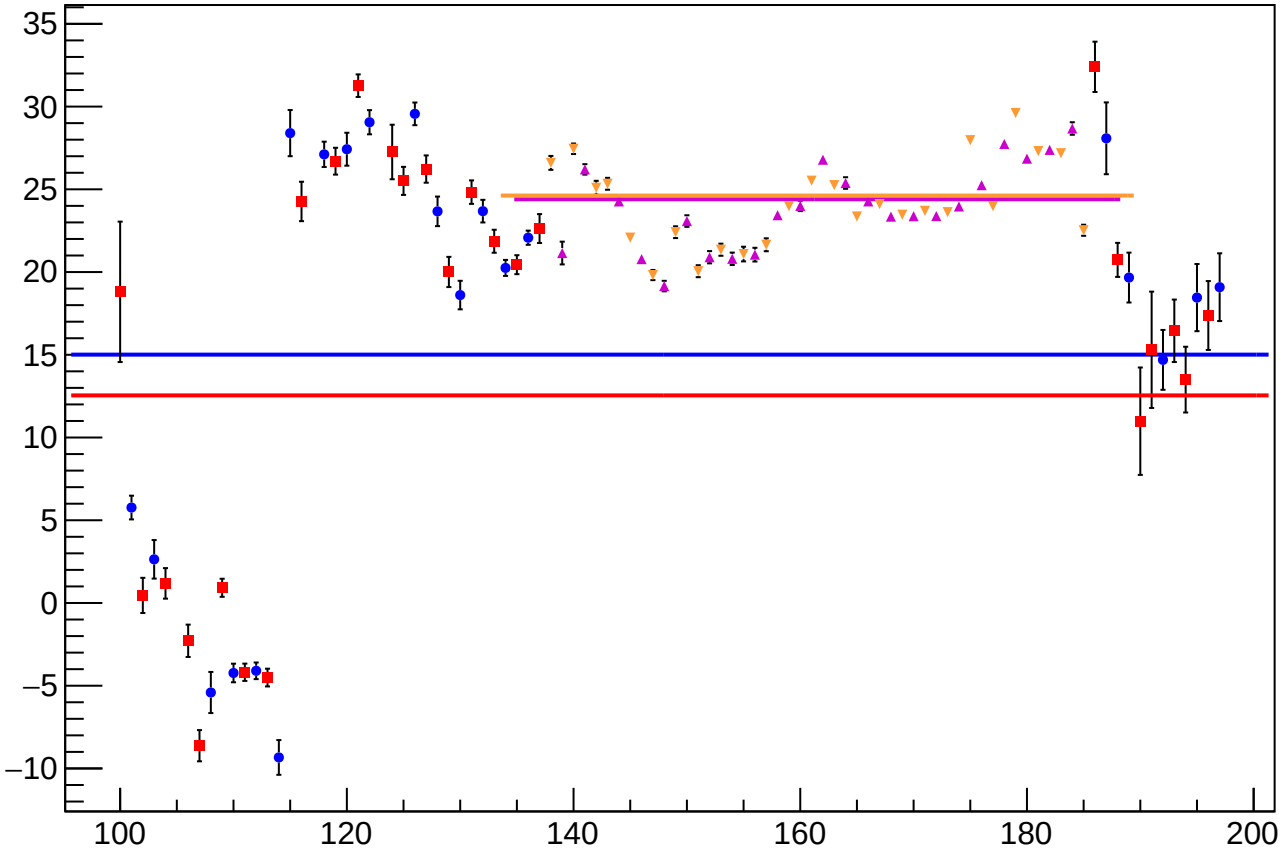
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.964+/-0.058 χ^2/NDF: 14456.0/45

All: 27.934+/-0.041 χ^2/NDF: 29299.6/94

- sign 27.902+/-0.058 χ^2/NDF: 14843.1/48

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 15.010+/-0.170 χ^2/NDF: 5740.4/20

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.545+/-0.171 χ^2/NDF: 6361.4/25

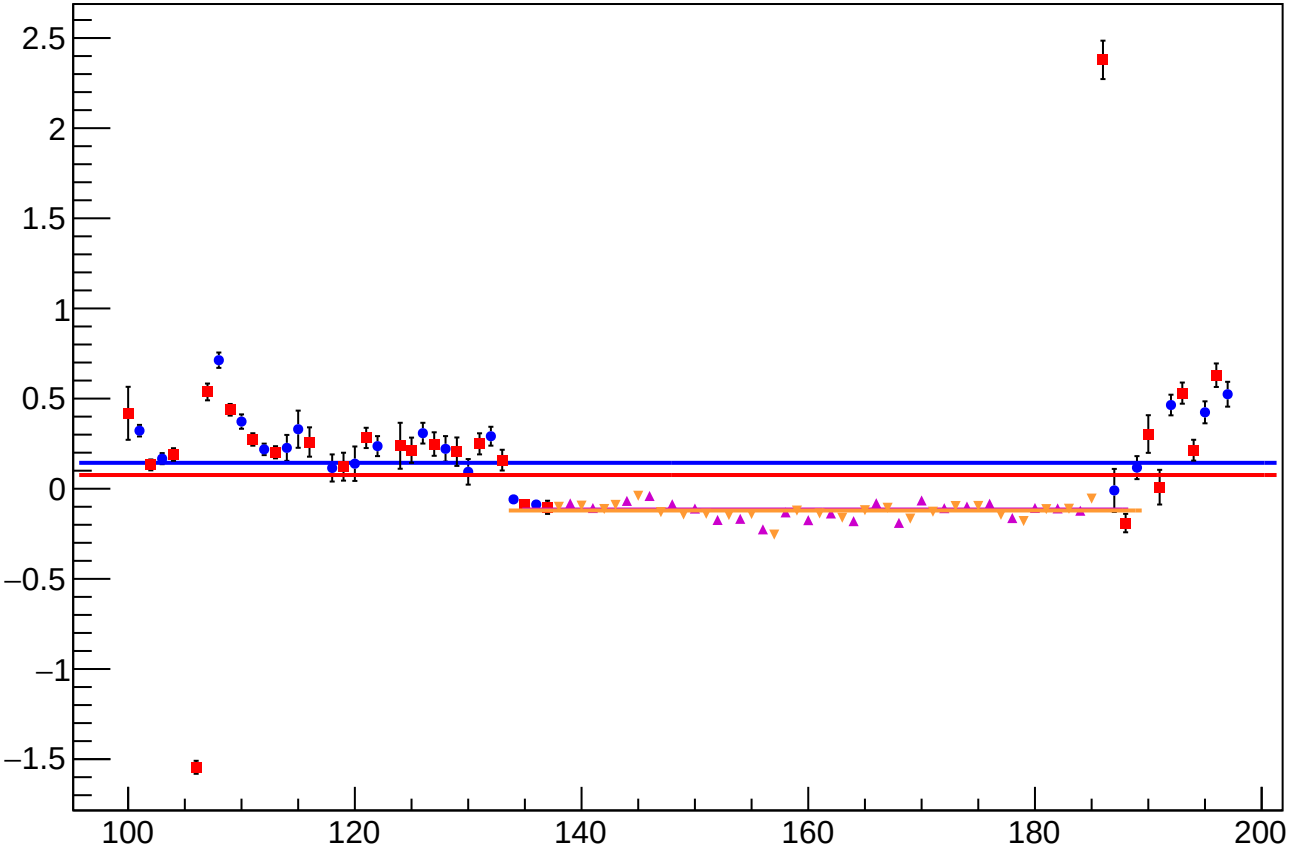
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

\+ sign 23.710+/-0.052 χ^2/NDF: 10578.3/45

All: 23.475+/-0.038 χ^2/NDF: 23040.3/94

\- sign 23.229+/-0.054 χ^2/NDF: 12420.9/48

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.144+/-0.009 χ^2/NDF: 609.7/20

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.076+/-0.009 χ^2/NDF: 3068.8/25

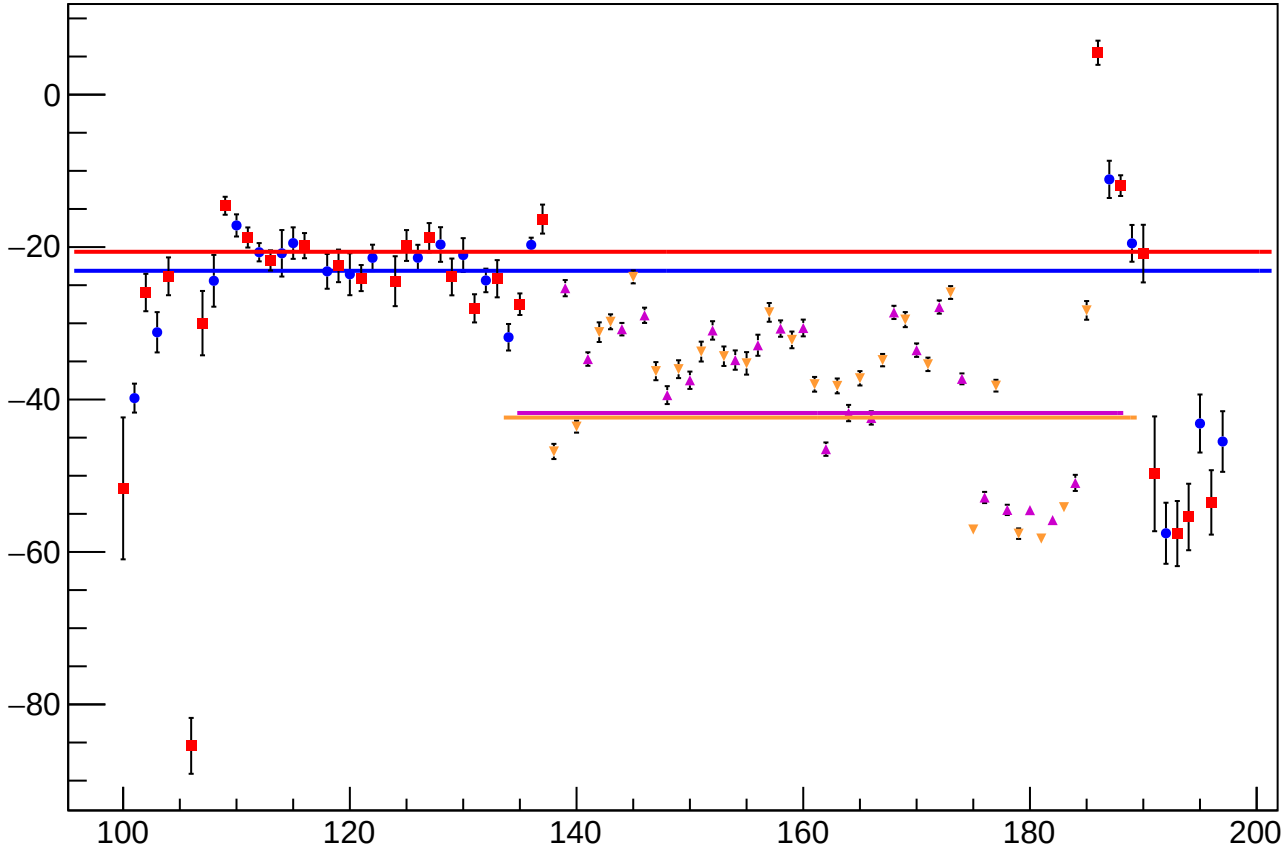
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.102+/-0.002 χ^2/NDF: 1678.8/45

All: -0.102+/-0.002 χ^2/NDF: 5445.7/94

- sign -0.102+/-0.002 χ^2/NDF: 3766.9/48

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -23.111+/-0.414 χ^2/NDF: 315.1/20

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -20.617+/-0.393 χ^2/NDF: 946.4/25

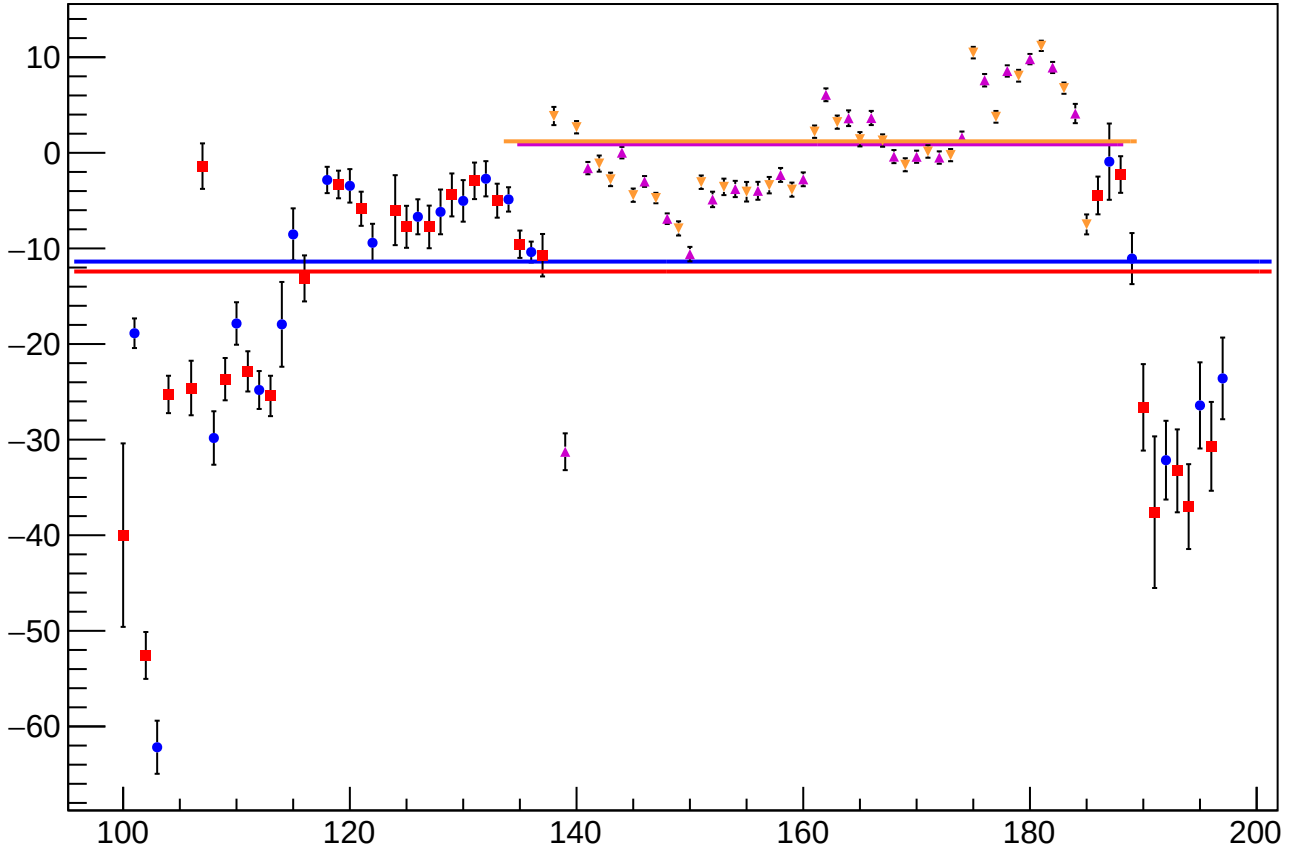
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.443+/-0.161 χ^2/NDF: 6625.6/45

All: -38.758+/-0.115 χ^2/NDF: 13452.1/94

- sign -38.041+/-0.165 χ^2/NDF: 6789.6/48

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -11.376+/-0.437 χ^2/NDF: 639.7/20

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -12.416+/-0.444 χ^2/NDF: 705.9/25

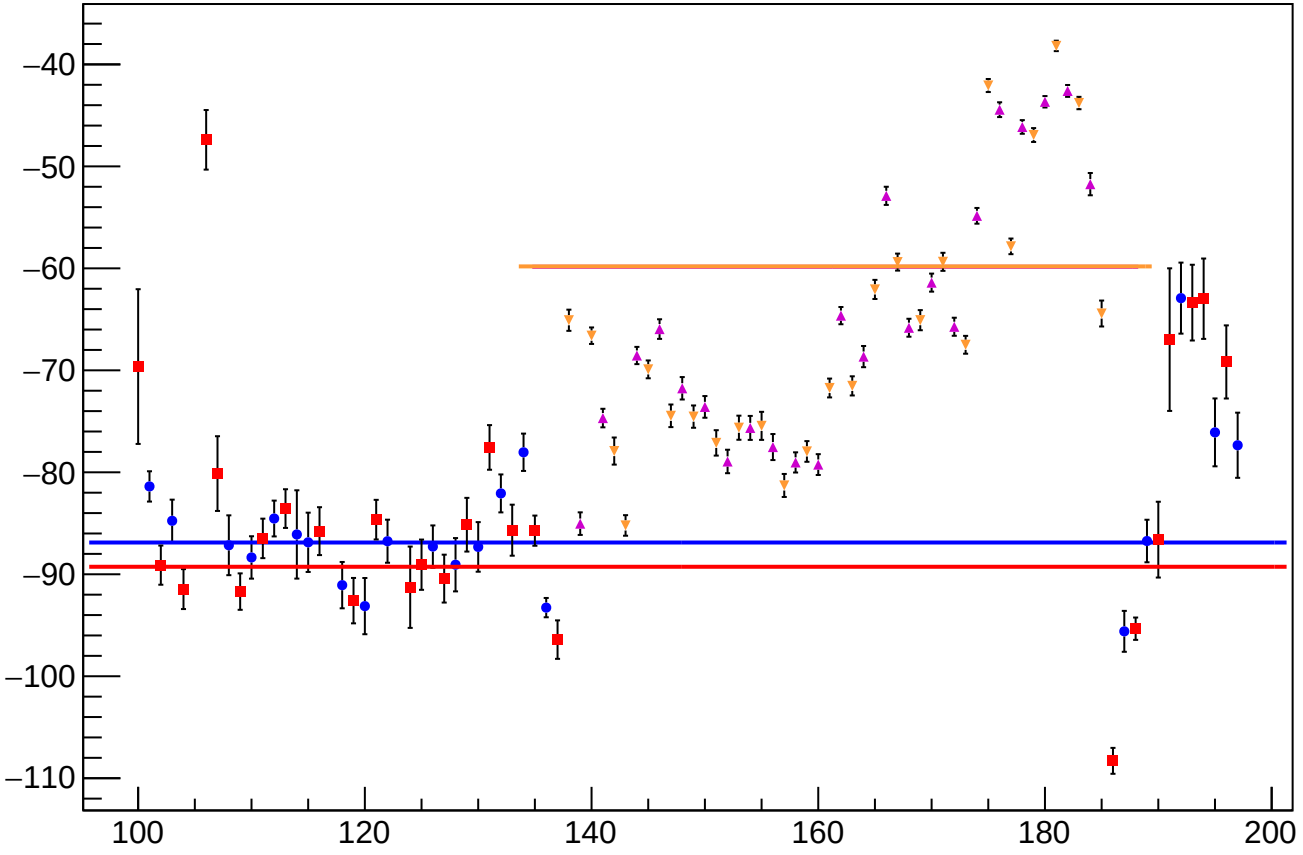
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.061+/-0.132 χ^2/NDF: 2855.9/45

All: -0.142+/-0.095 χ^2/NDF: 6143.0/94

- sign -0.358+/-0.136 χ^2/NDF: 3282.1/48

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -86.885+/-0.444 χ^2/NDF: 187.6/20

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -89.264+/-0.420 χ^2/NDF: 686.4/25

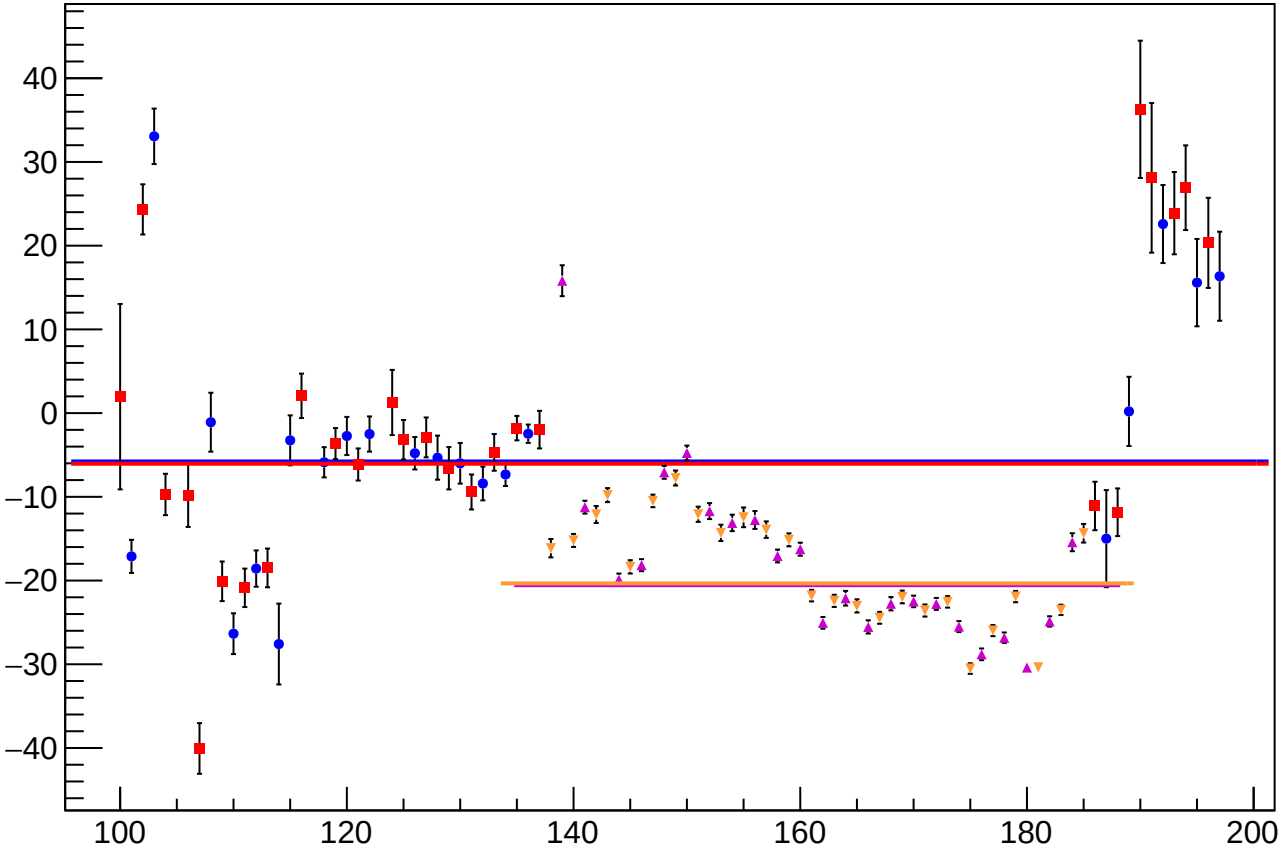
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.465+/-0.163 χ^2/NDF: 10053.3/45

All: -63.950+/-0.116 χ^2/NDF: 20428.0/94

- sign -64.455+/-0.166 χ^2/NDF: 10356.5/48

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -5.775+/-0.495 χ^2/NDF: 391.9/20

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -6.047+/-0.513 χ^2/NDF: 523.3/25

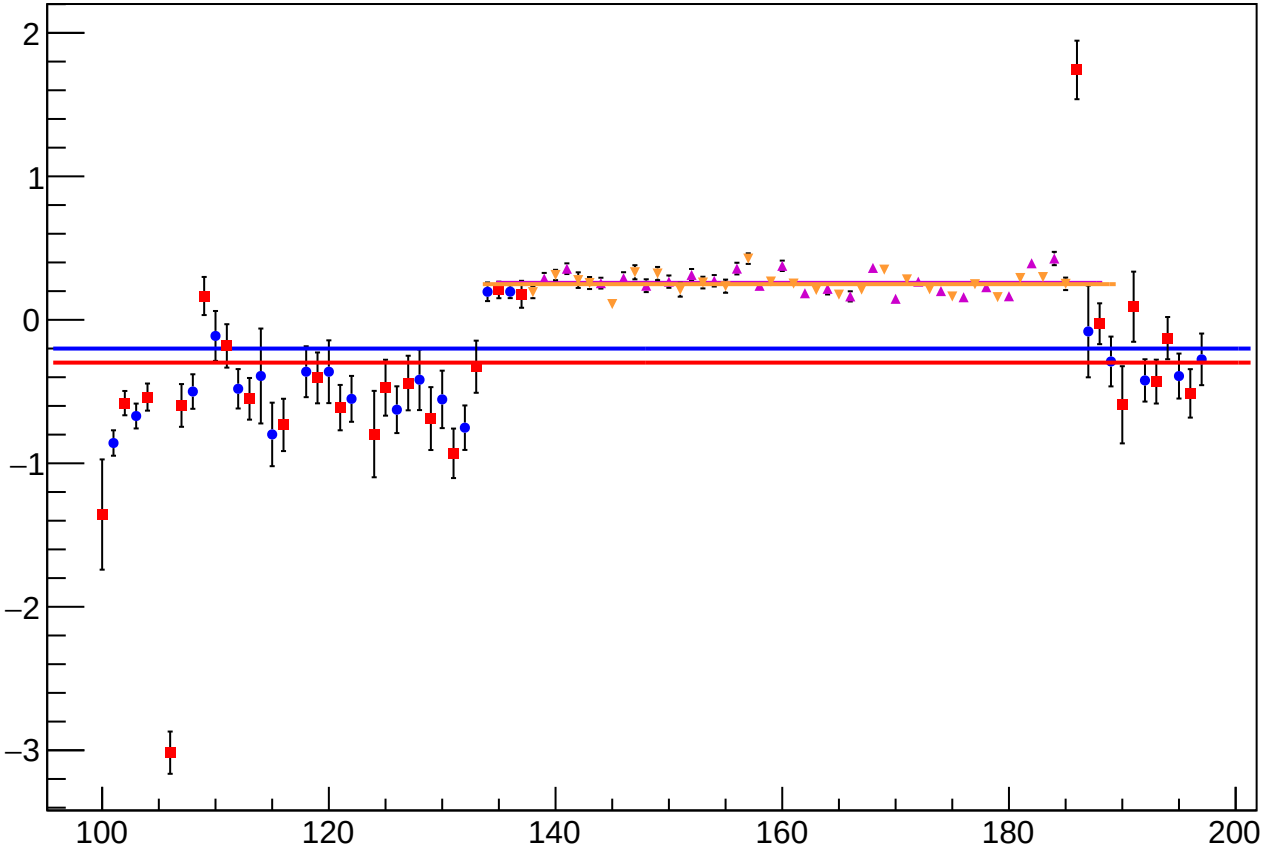
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.044+/-0.148 χ^2/NDF: 2882.1/45

All: -19.157+/-0.106 χ^2/NDF: 6328.5/94

- sign -19.277+/-0.152 χ^2/NDF: 3445.1/48

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.200+/-0.025 χ^2/NDF: 252.0/20

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.298+/-0.027 χ^2/NDF: 630.6/25

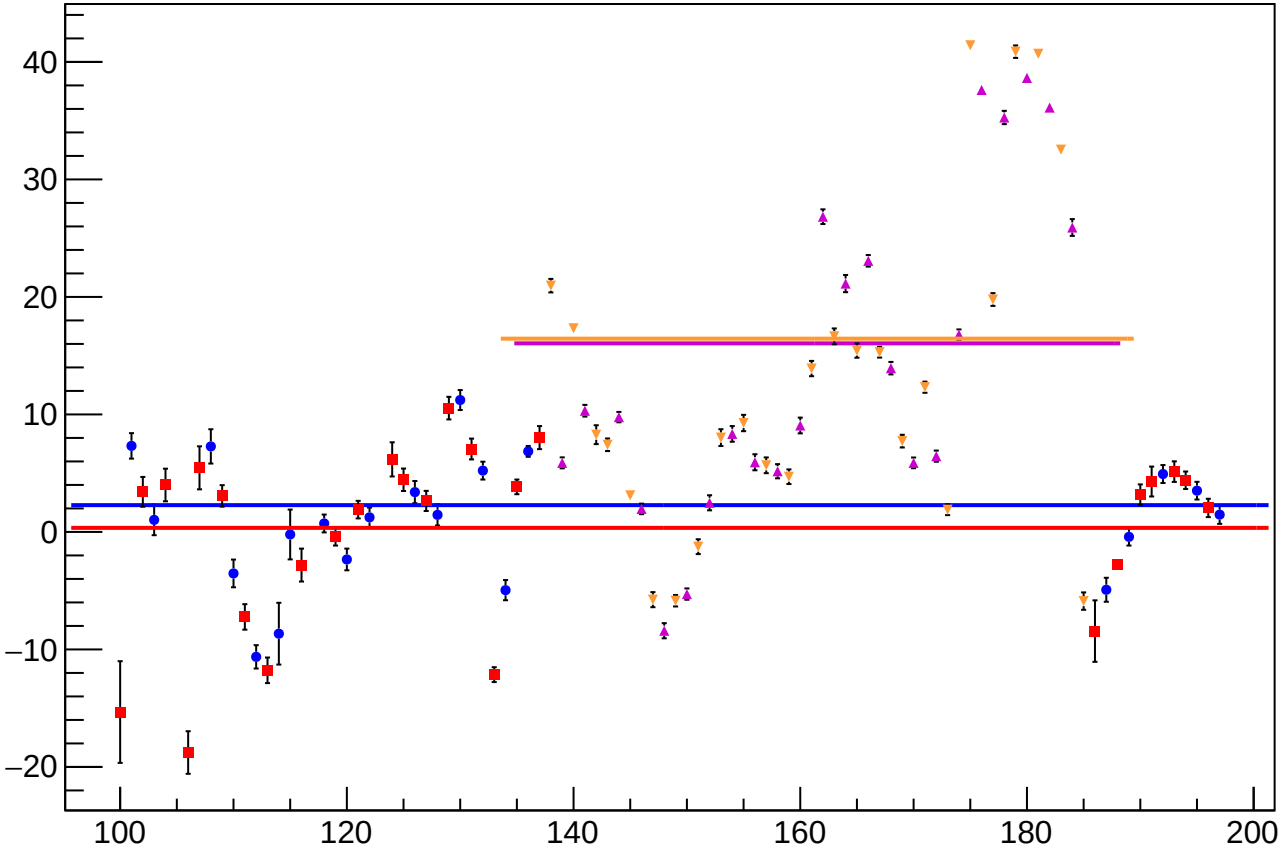
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.217+/-0.007 χ^2/NDF: 636.8/45

All: 0.219+/-0.005 χ^2/NDF: 1803.5/94

- sign 0.221+/-0.007 χ^2/NDF: 1166.5/48

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.280+/-0.190 χ^2/NDF: 654.0/20

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

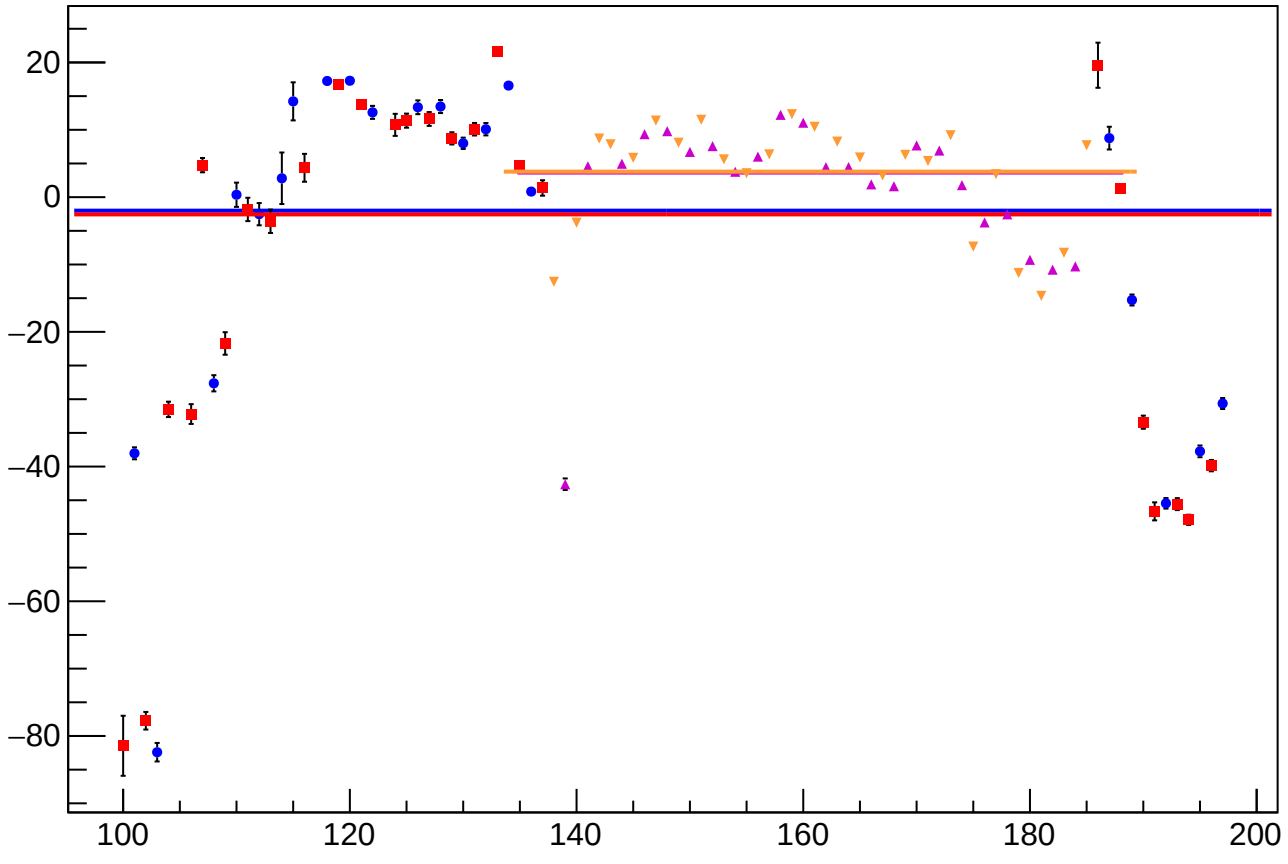
Right Out: 0.346+/-0.171 χ^2/NDF: 1194.3/25

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 13.175+/-0.091 χ^2/NDF: 26342.6/45

All: 12.395+/-0.064 χ^2/NDF: 51356.8/94

- sign 11.622+/-0.091 χ^2/NDF: 24868.7/48



Right In: -2.004+/-0.186 χ^2/NDF: 16580.4/20

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -2.561+/-0.176 χ^2/NDF: 20732.9/25

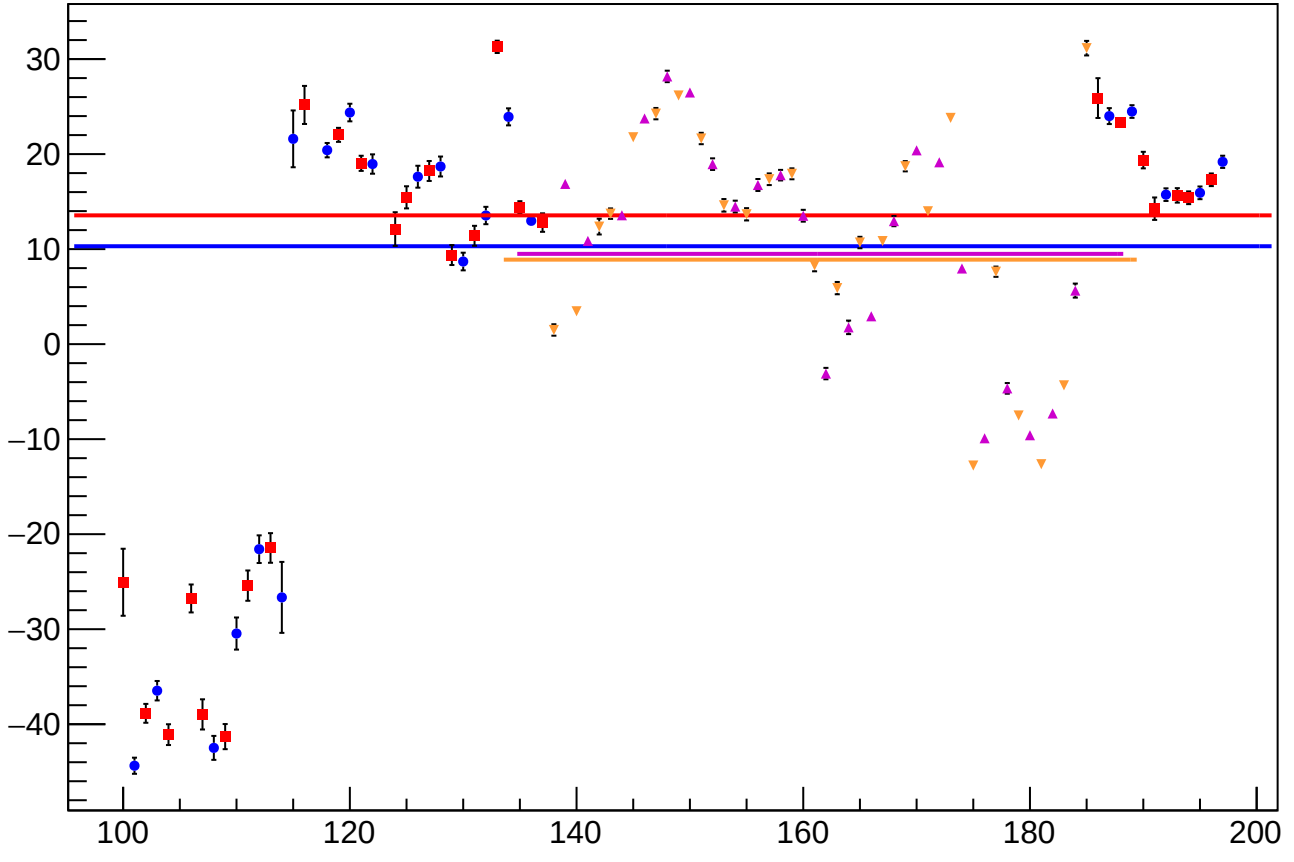
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

\+ sign 2.881+/-0.074 χ^2/NDF: 26502.5/45

All: 2.703+/-0.053 χ^2/NDF: 56578.9/94

\- sign 2.517+/-0.075 χ^2/NDF: 30064.4/48

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 10.303+/-0.188 χ^2/NDF: 11082.9/20

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

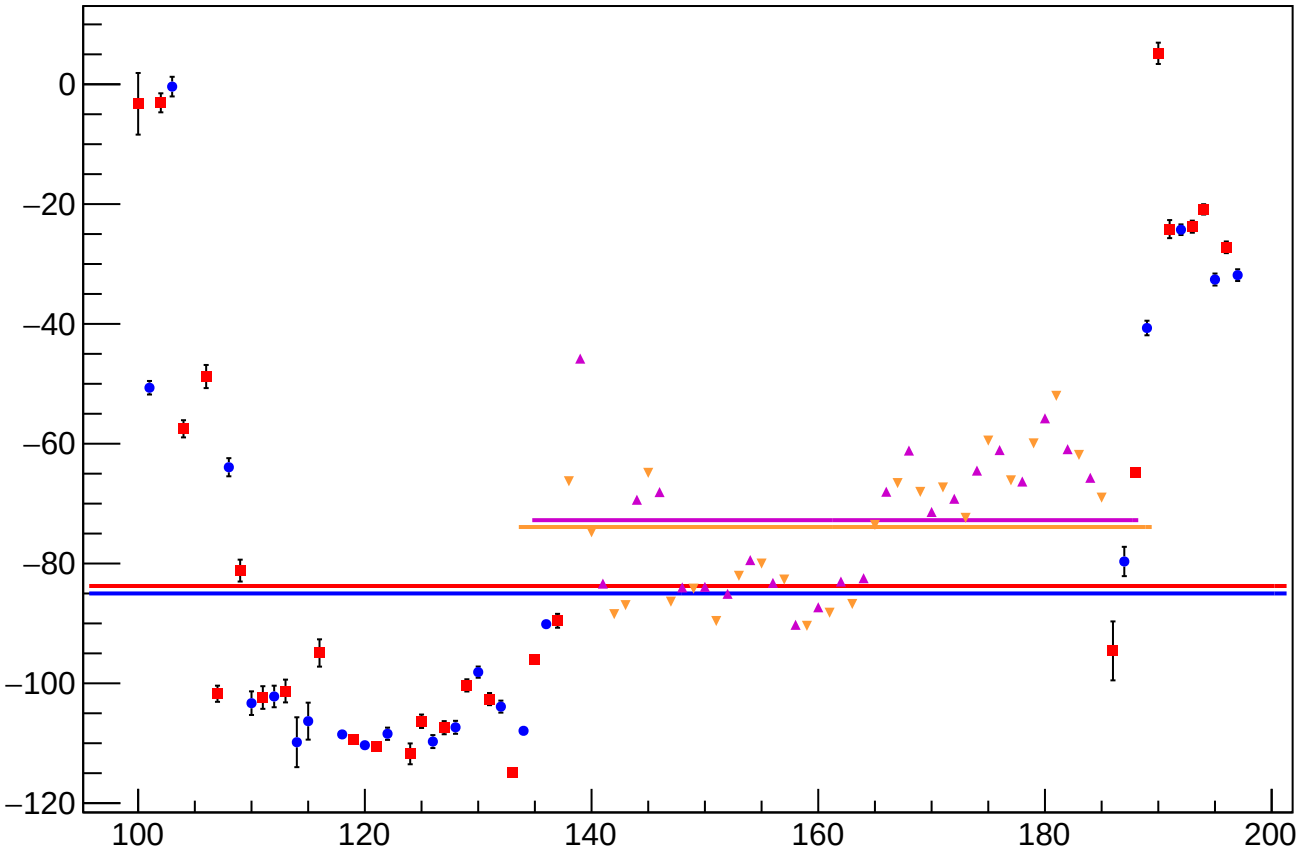
Right Out: 13.552+/-0.165 χ^2/NDF: 12231.9/25

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 9.222+/-0.091 χ^2/NDF: 26554.3/45

All: 9.965+/-0.064 χ^2/NDF: 52384.0/94

- sign 10.689+/-0.090 χ^2/NDF: 25697.4/48



Right In: -84.997+/-0.217 χ^2/NDF: 21541.6/20

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -83.752+/-0.209 χ^2/NDF: 28761.7/25

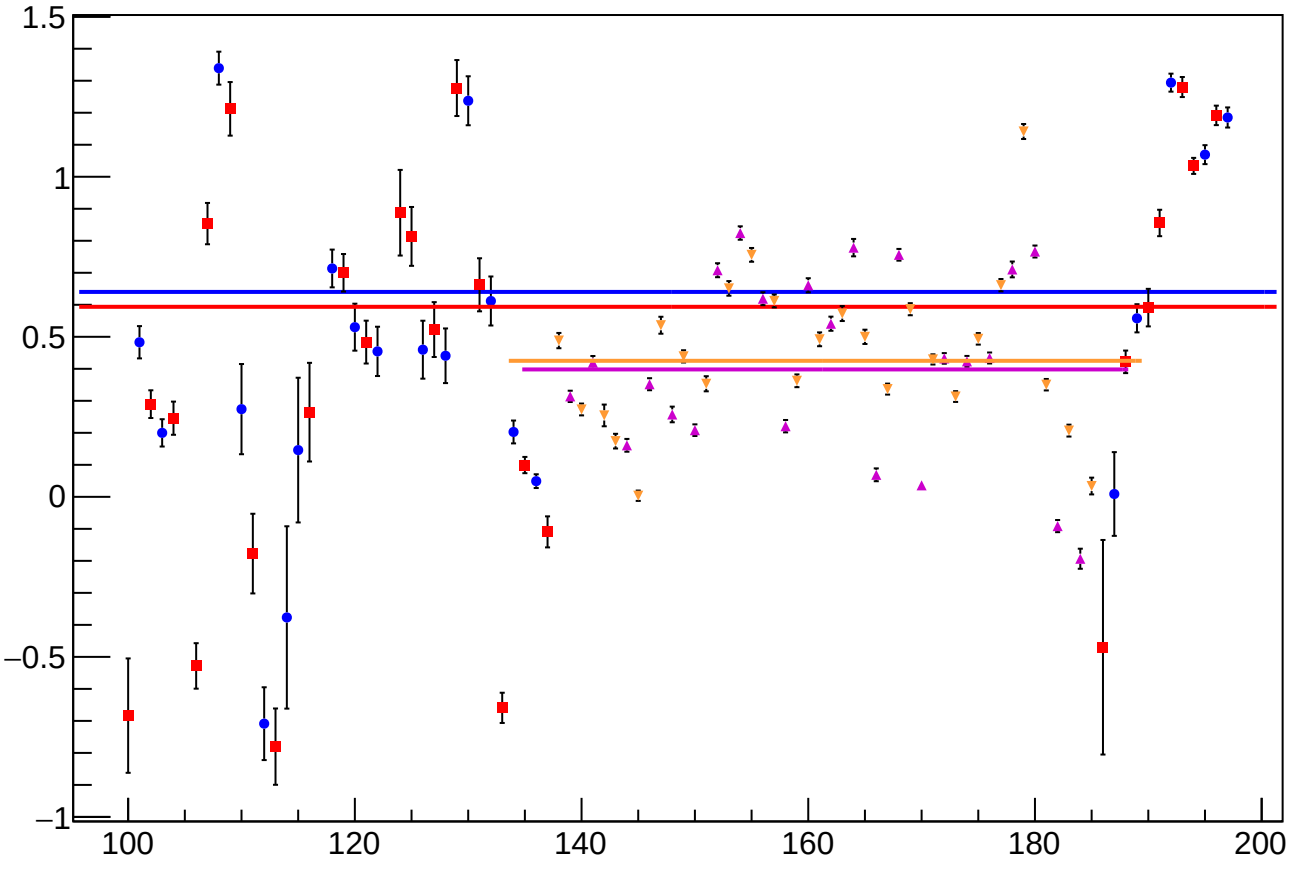
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -75.551+/-0.083 χ^2/NDF: 39336.8/45

All: -75.083+/-0.060 χ^2/NDF: 83087.9/94

- sign -74.596+/-0.085 χ^2/NDF: 43687.0/48

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.640+/-0.010 χ^2/NDF: 2530.3/20

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.594+/-0.010 χ^2/NDF: 3262.9/25

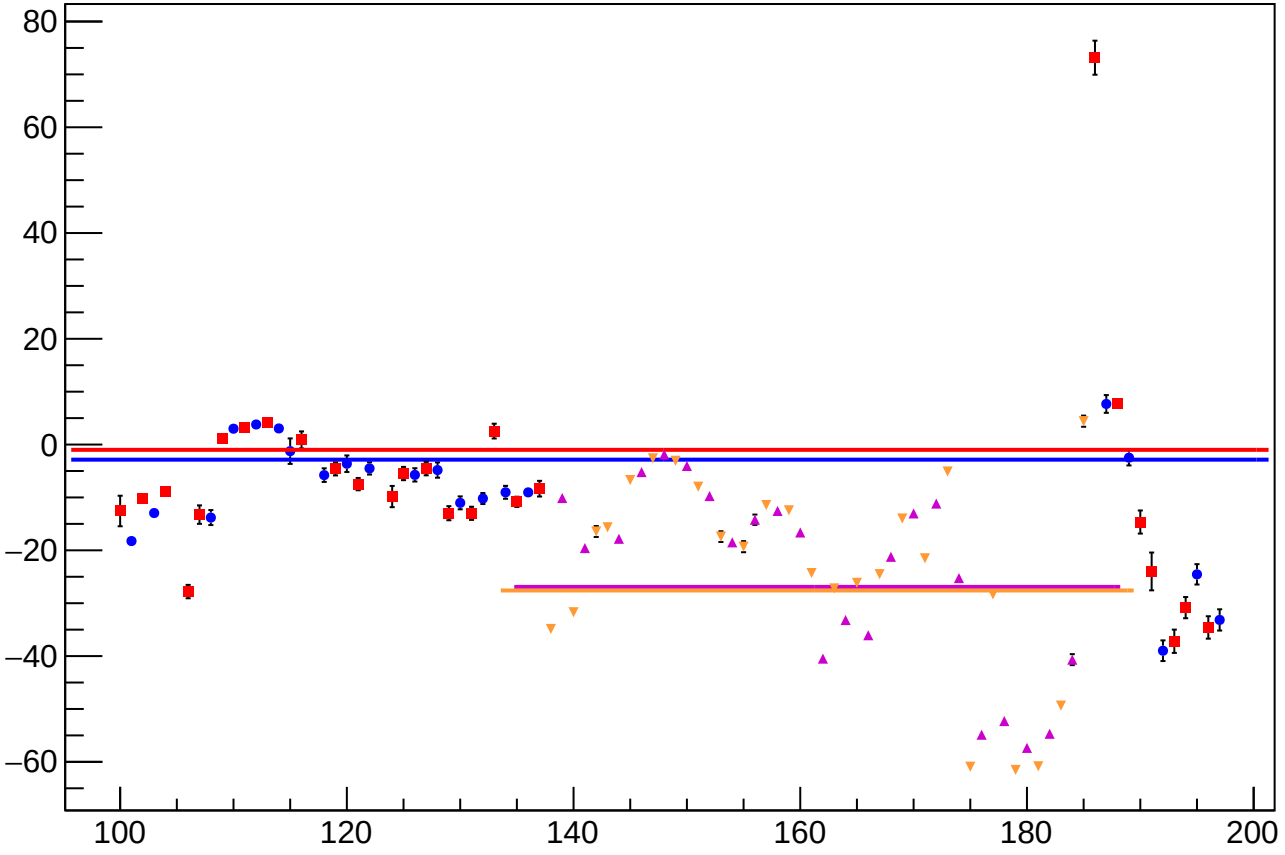
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.454+/-0.004 χ^2/NDF: 5951.9/45

All: 0.441+/-0.003 χ^2/NDF: 13854.3/94

- sign 0.428+/-0.004 χ^2/NDF: 7877.8/48

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.855+/-0.187 χ^2/NDF: 2239.0/20

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -0.997+/-0.164 χ^2/NDF: 2949.0/25

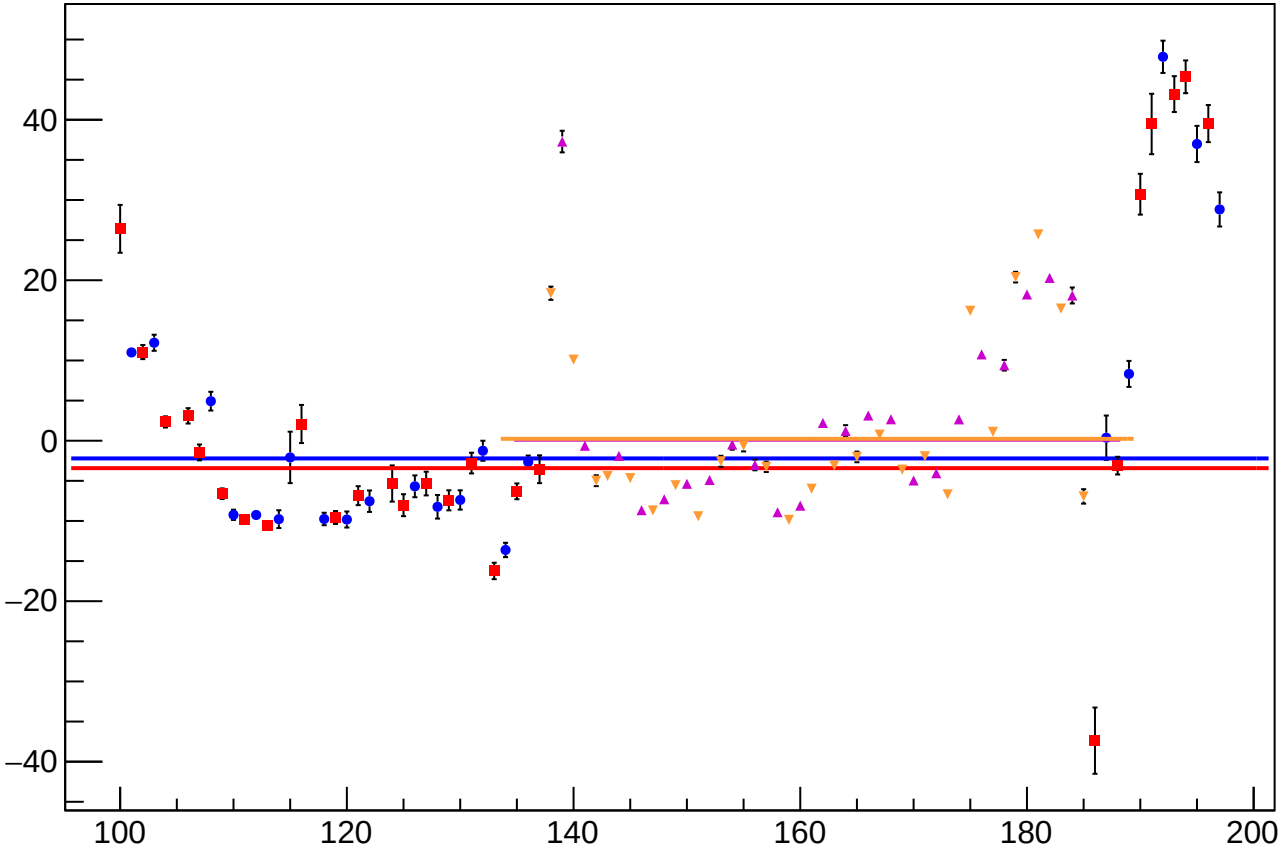
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.334+/-0.114 χ^2/NDF: 33000.9/45

All: -16.702+/-0.079 χ^2/NDF: 65551.6/94

- sign -15.177+/-0.110 χ^2/NDF: 32155.4/48

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -2.206+/-0.219 χ^2/NDF: 2653.4/20

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

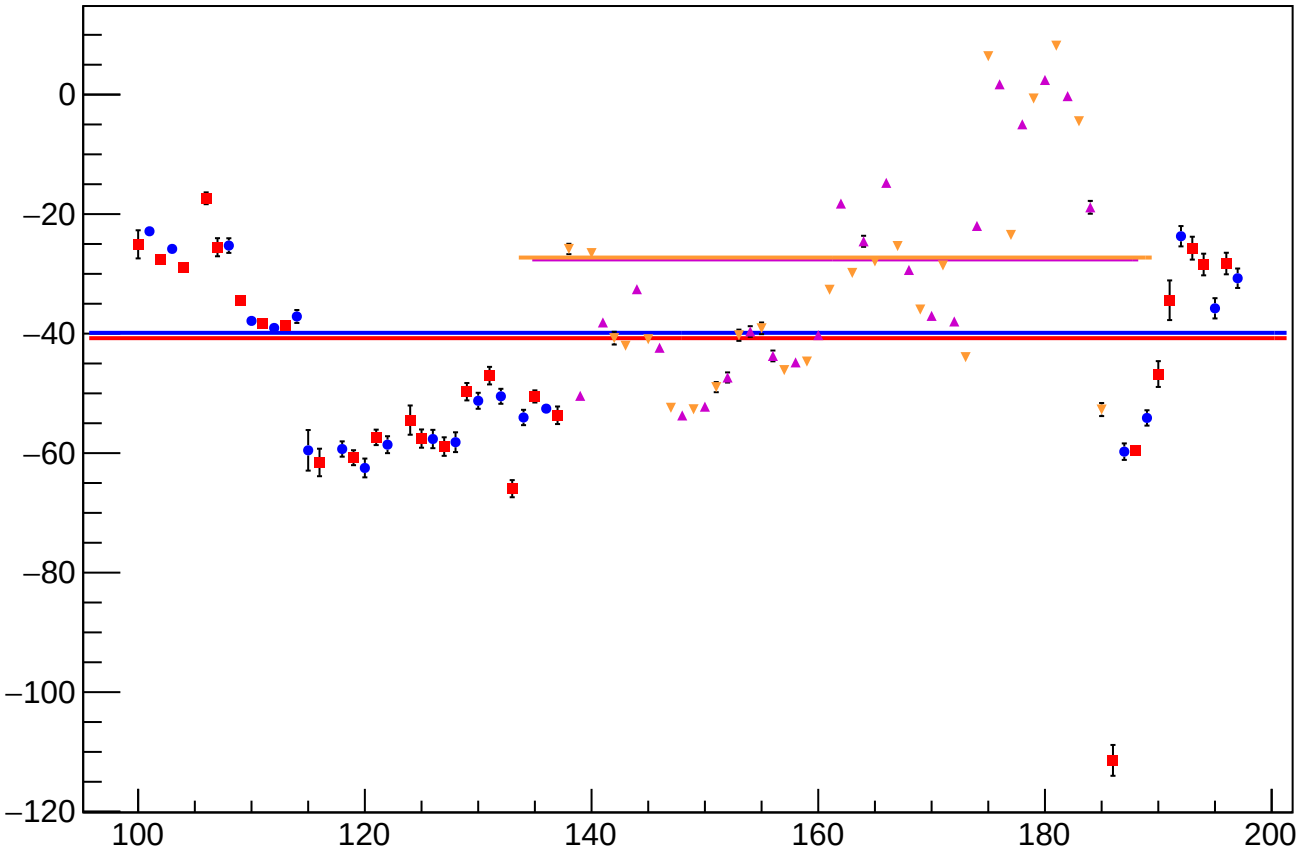
Right Out: -3.420+/-0.210 χ^2/NDF: 2771.0/25

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.256+/-0.099 χ^2/NDF: 10788.2/45

All: -0.464+/-0.070 χ^2/NDF: 19625.9/94

- sign -0.681+/-0.101 χ^2/NDF: 8828.6/48



Right In: -39.869+/-0.214 χ^2/NDF: 3420.1/20

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.763+/-0.196 χ^2/NDF: 4703.1/25

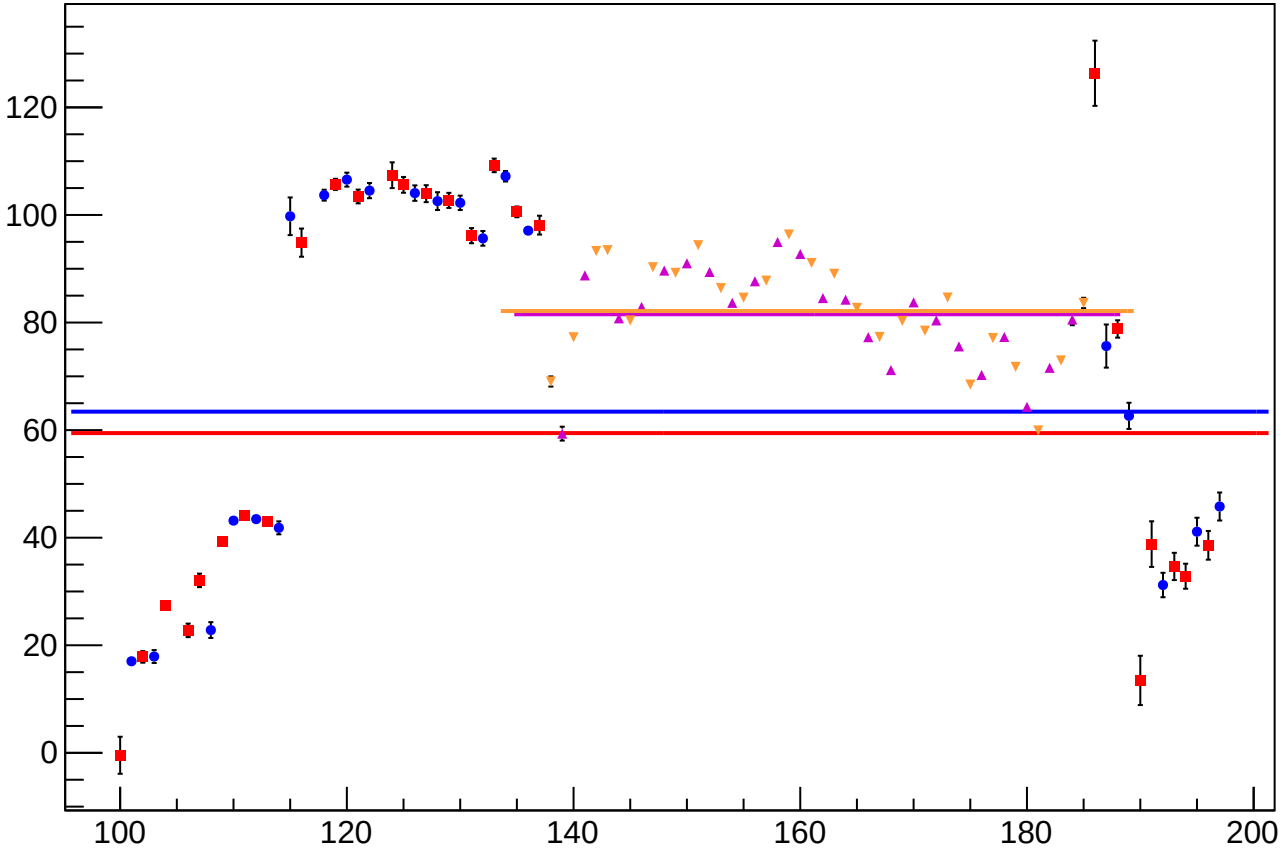
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.198+/-0.119 χ^2/NDF: 24336.4/45

All: -31.795+/-0.084 χ^2/NDF: 47616.4/94

- sign -32.380+/-0.118 χ^2/NDF: 23230.5/48

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 63.432+/-0.252 χ^2/NDF: 18935.1/20

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 59.447+/-0.241 χ^2/NDF: 18111.0/25

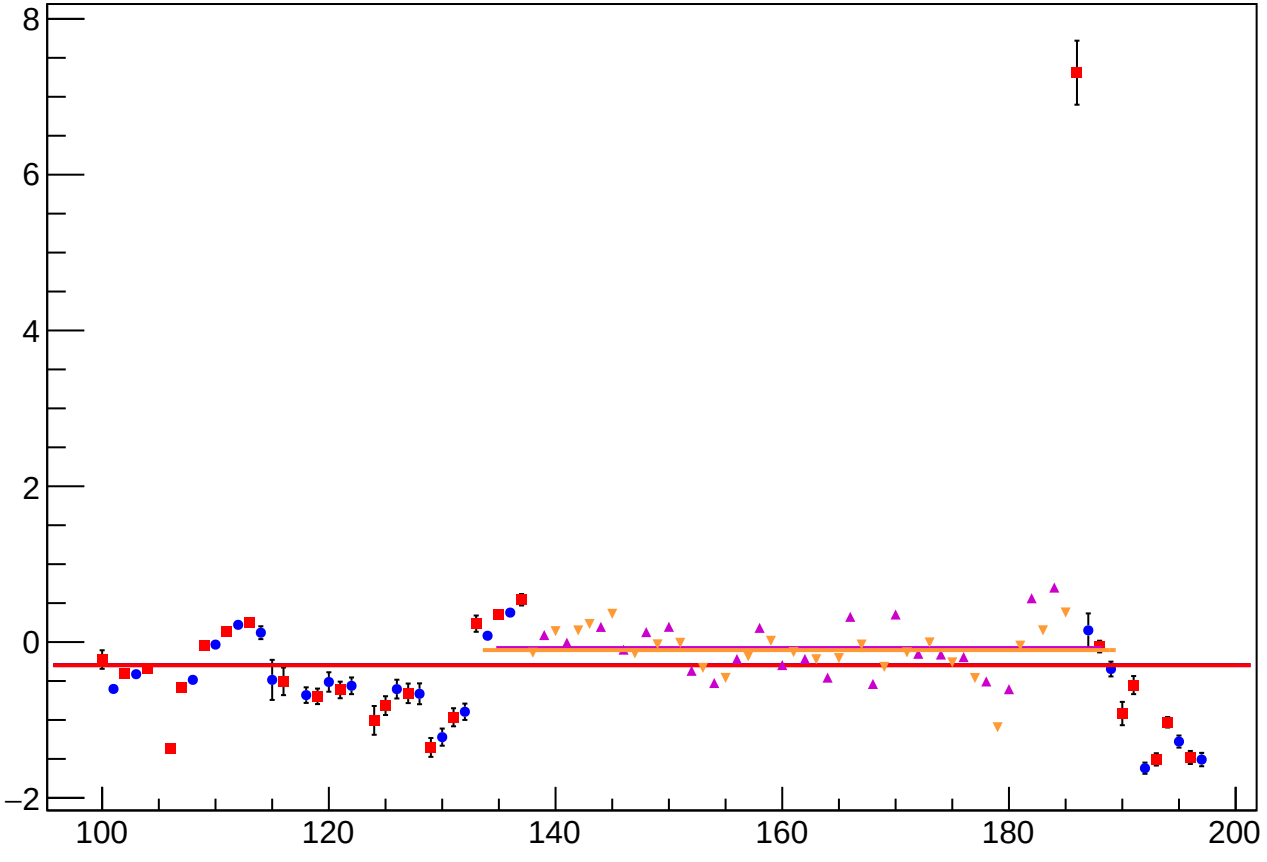
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.442+/-0.112 χ^2/NDF: 28746.7/45

All: 77.554+/-0.080 χ^2/NDF: 57544.5/94

- sign 76.635+/-0.114 χ^2/NDF: 28669.3/48

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.296+/-0.013 χ^2/NDF: 1681.2/20

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.297+/-0.012 χ^2/NDF: 2335.1/25

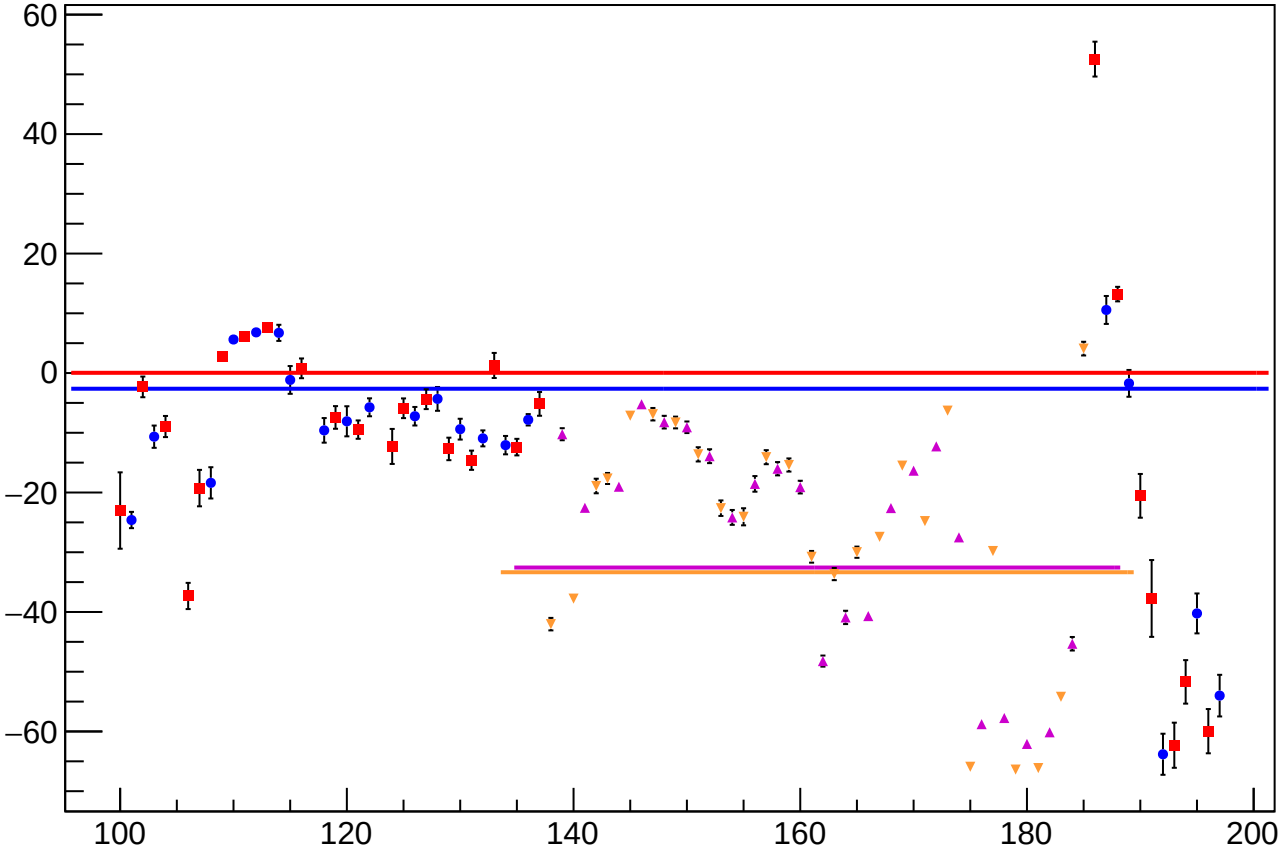
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.134+/-0.005 χ^2/NDF: 4280.6/45

All: -0.126+/-0.004 χ^2/NDF: 10211.7/94

- sign -0.117+/-0.005 χ^2/NDF: 5925.5/48

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -2.628+/-0.299 χ^2/NDF: 1603.0/20

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 0.039+/-0.270 χ^2/NDF: 2174.4/25

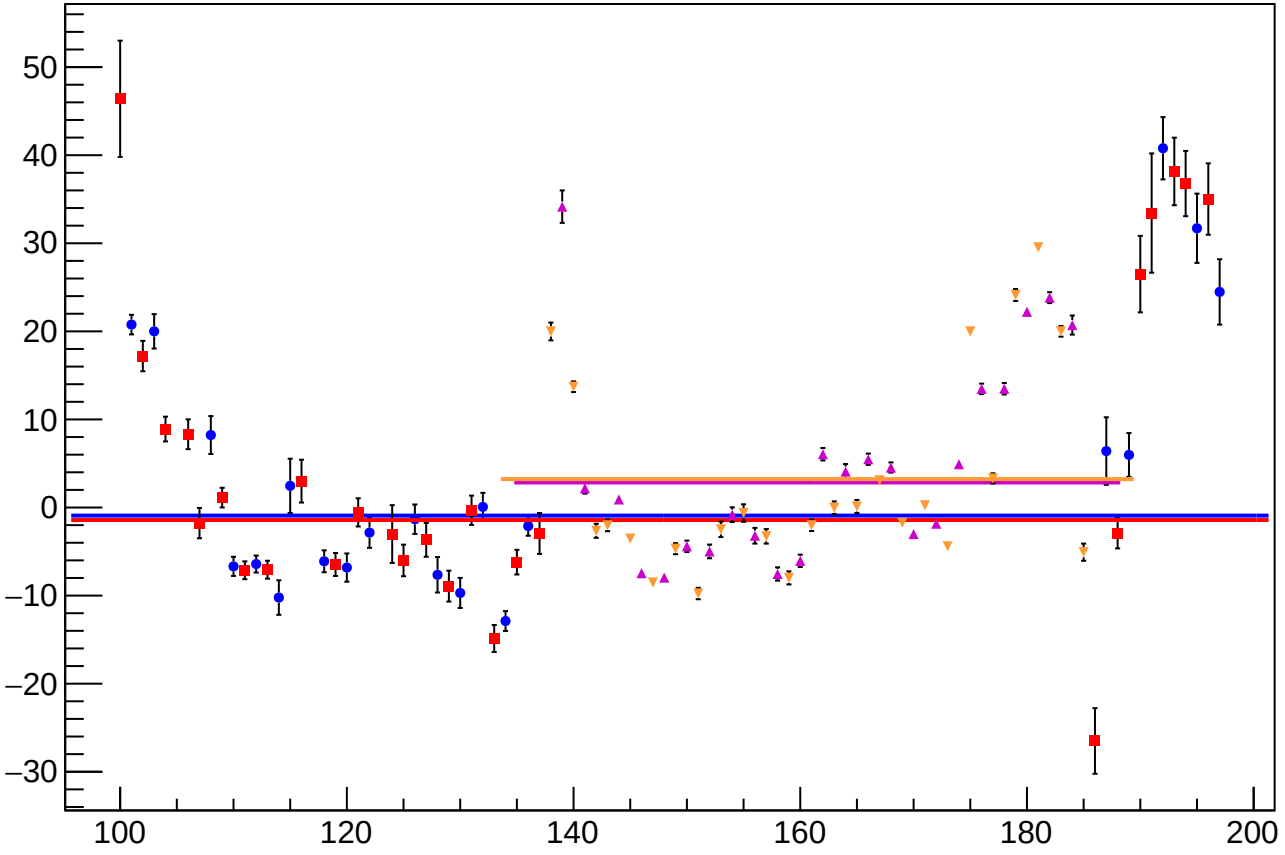
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.207+/-0.144 χ^2/NDF: 27685.9/45

All: -24.778+/-0.102 χ^2/NDF: 54395.7/94

- sign -23.362+/-0.144 χ^2/NDF: 26514.2/48

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -0.920+/-0.346 χ^2/NDF: 1048.2/20

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

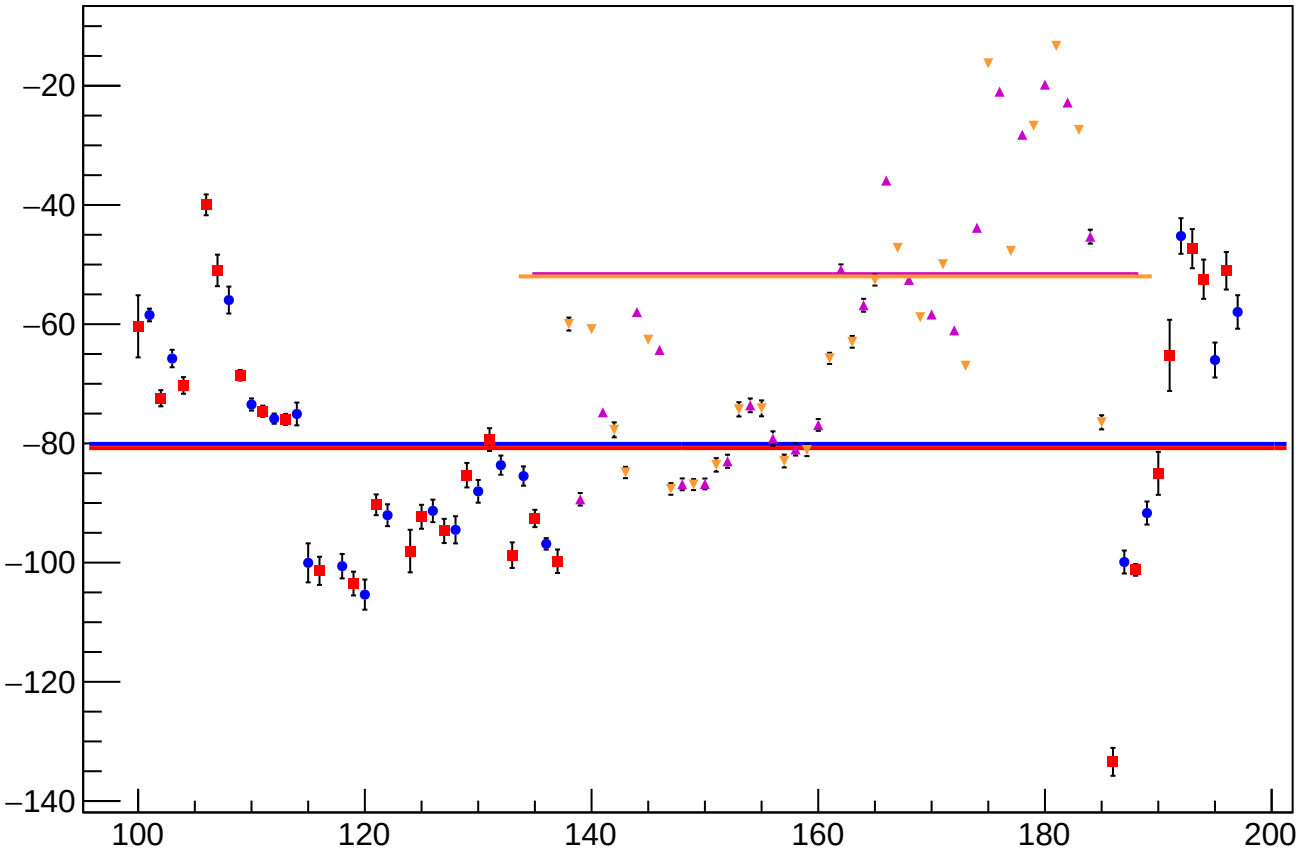
Right Out: -1.423+/-0.341 χ^2/NDF: 865.9/25

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.726+/-0.120 χ^2/NDF: 8849.7/45

All: 2.514+/-0.086 χ^2/NDF: 15314.0/94

- sign 2.294+/-0.122 χ^2/NDF: 6458.0/48



Right In: -80.084+/-0.345 χ^2/NDF: 1750.6/20

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.794+/-0.323 χ^2/NDF: 2832.7/25

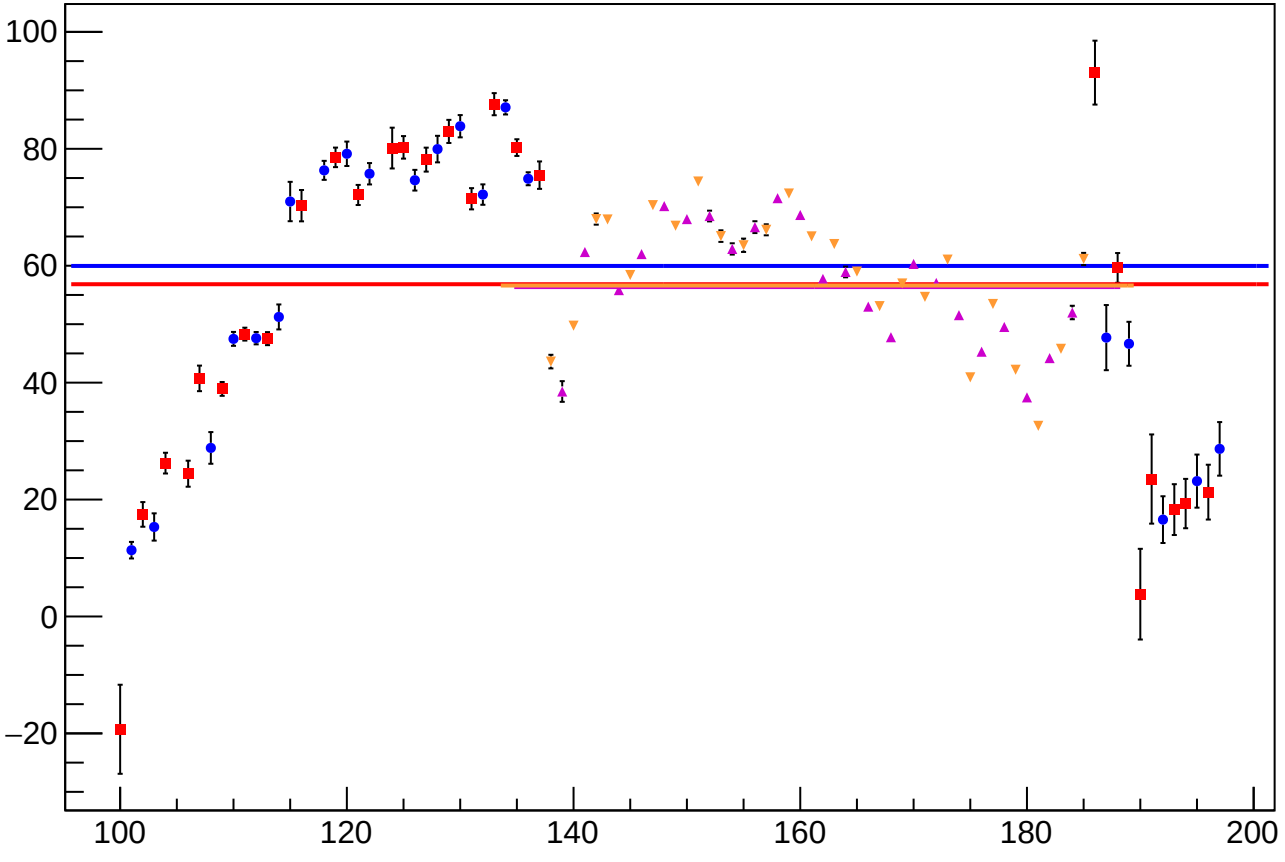
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

\+ sign -57.214+/-0.149 χ^2/NDF: 28051.1/45

All: -57.555+/-0.106 χ^2/NDF: 54938.4/94

\- sign -57.900+/-0.150 χ^2/NDF: 26876.8/48

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 59.964+/-0.392 χ^2/NDF: 3485.4/20

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 56.836+/-0.389 χ^2/NDF: 3106.6/25

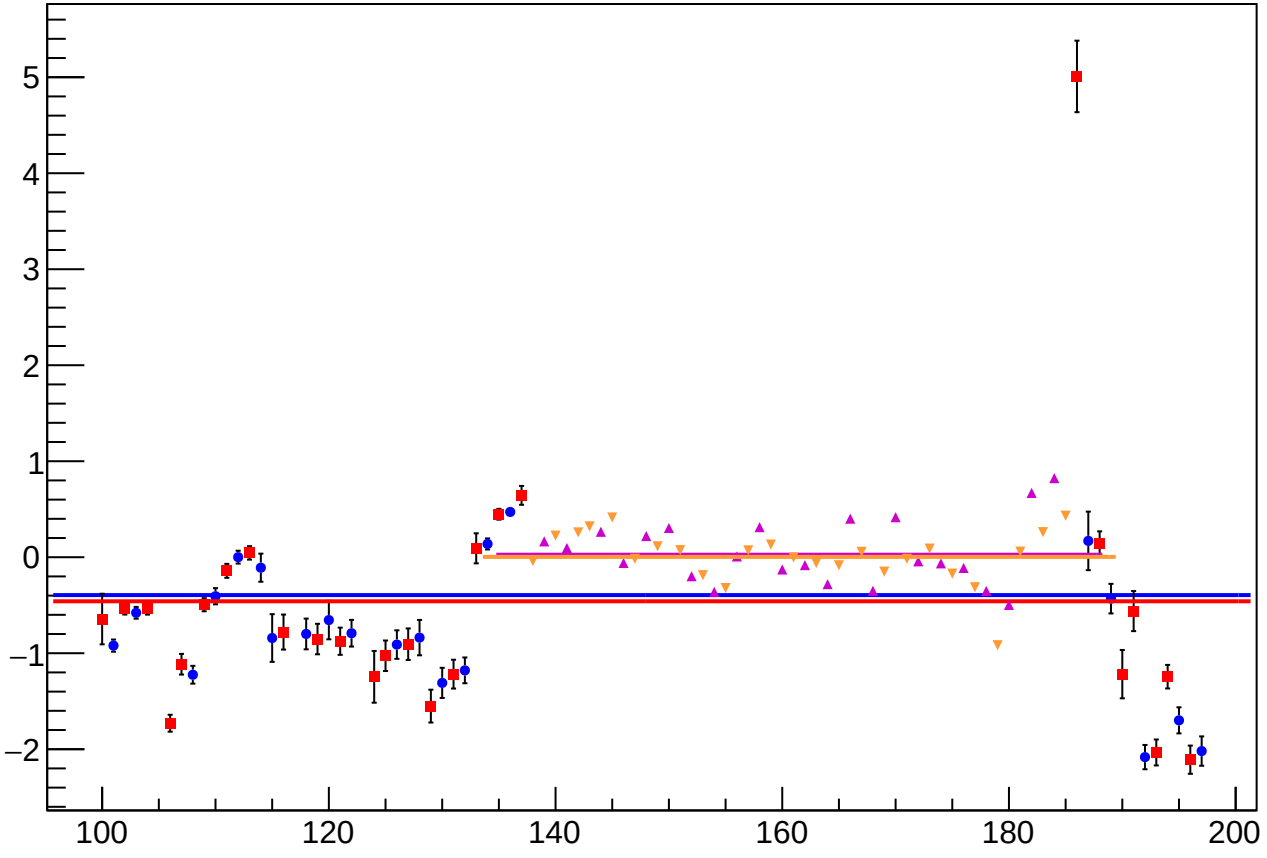
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

\+ sign 57.009+/-0.135 χ^2/NDF: 9215.8/45

All: 56.715+/-0.096 χ^2/NDF: 16302.2/94

\- sign 56.409+/-0.138 χ^2/NDF: 7076.7/48

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.395+/-0.021 χ^2/NDF: 1141.7/20

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.459+/-0.021 χ^2/NDF: 1381.5/25

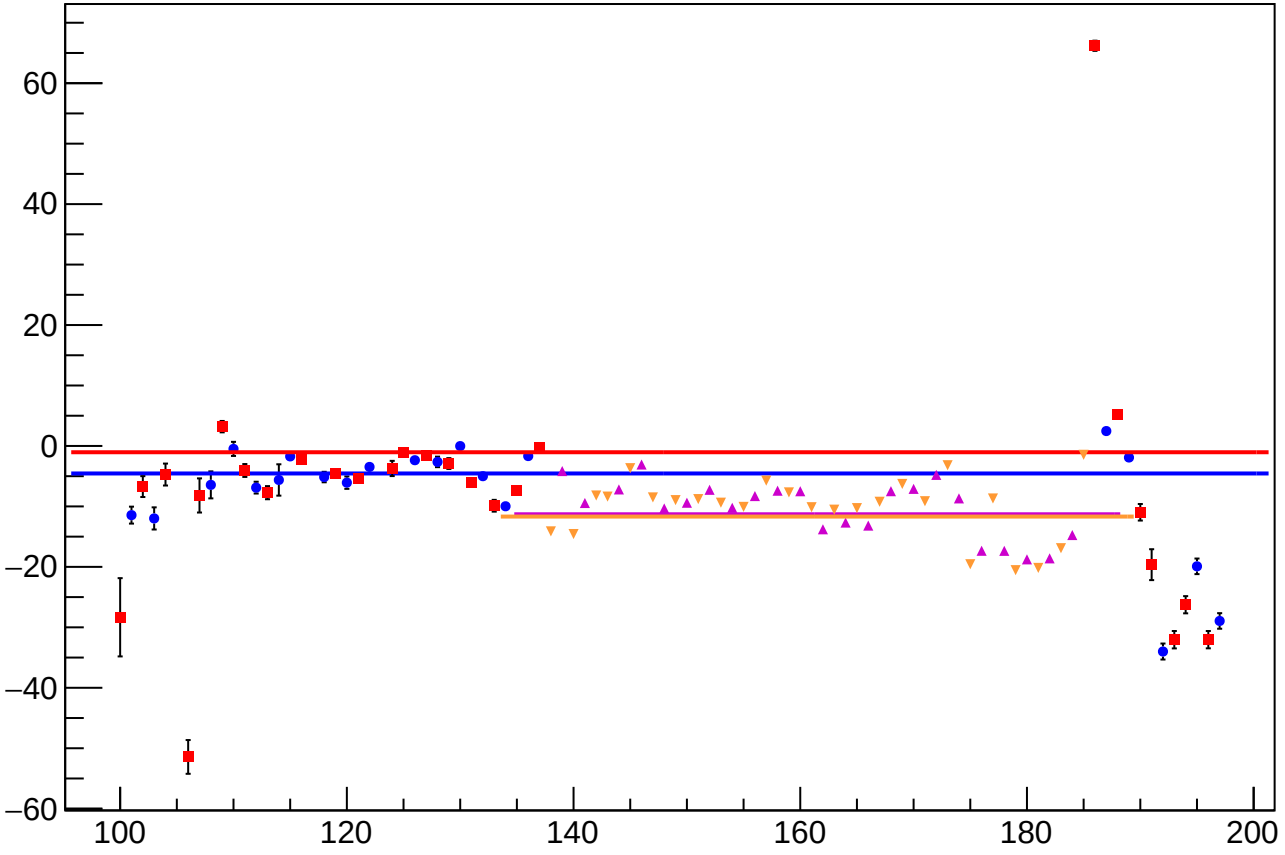
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.032+/-0.006 χ^2/NDF: 3181.7/45

All: -0.026+/-0.004 χ^2/NDF: 7419.4/94

- sign -0.019+/-0.006 χ^2/NDF: 4235.5/48

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.550+/-0.174 χ^2/NDF: 1342.3/20

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

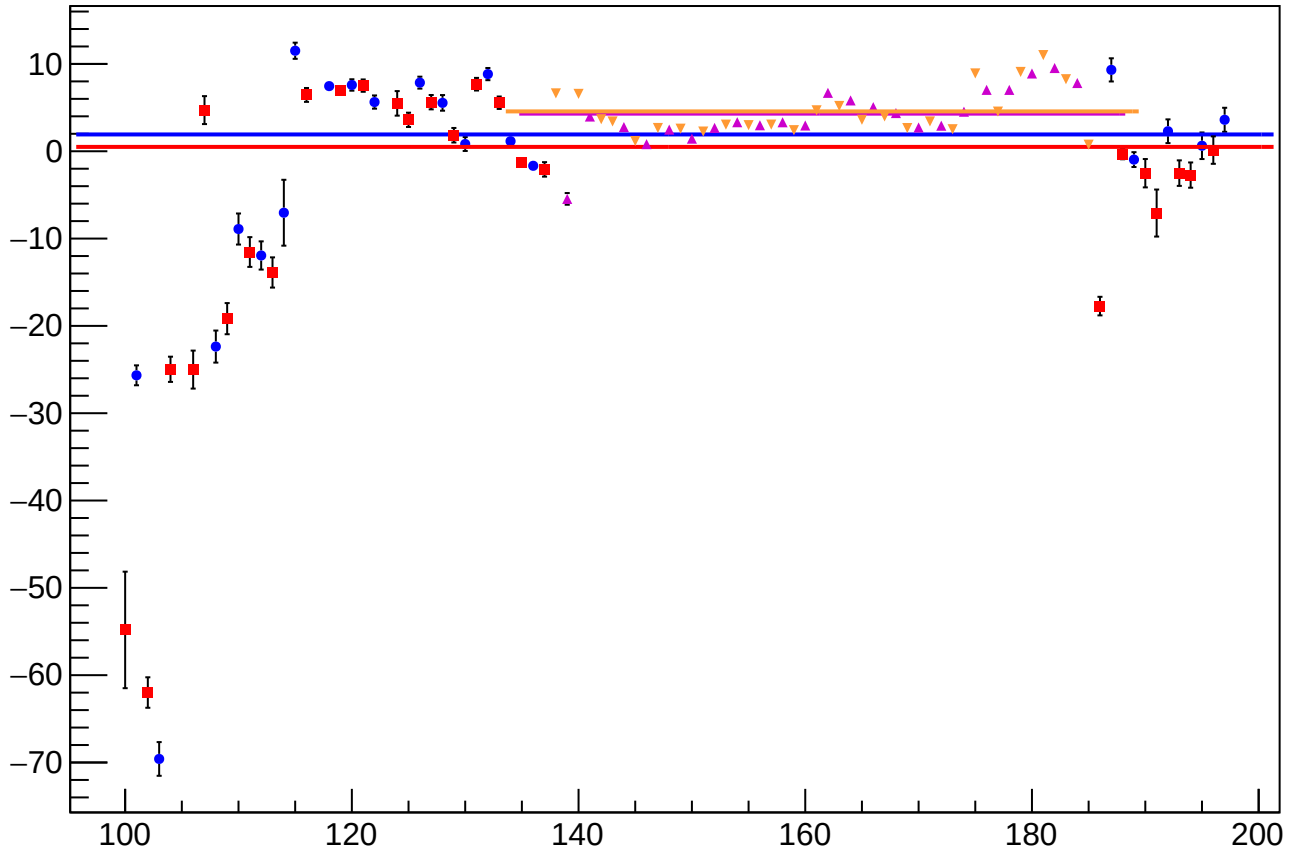
Right Out: -1.040+/-0.171 χ^2/NDF: 8718.4/25

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.083+/-0.050 χ^2/NDF: 15480.6/45

All: -10.734+/-0.036 χ^2/NDF: 36801.5/94

- sign -10.371+/-0.051 χ^2/NDF: 21223.3/48



Right In: 1.925+/-0.178 χ^2/NDF: 2883.0/20

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.499+/-0.187 χ^2/NDF: 2900.2/25

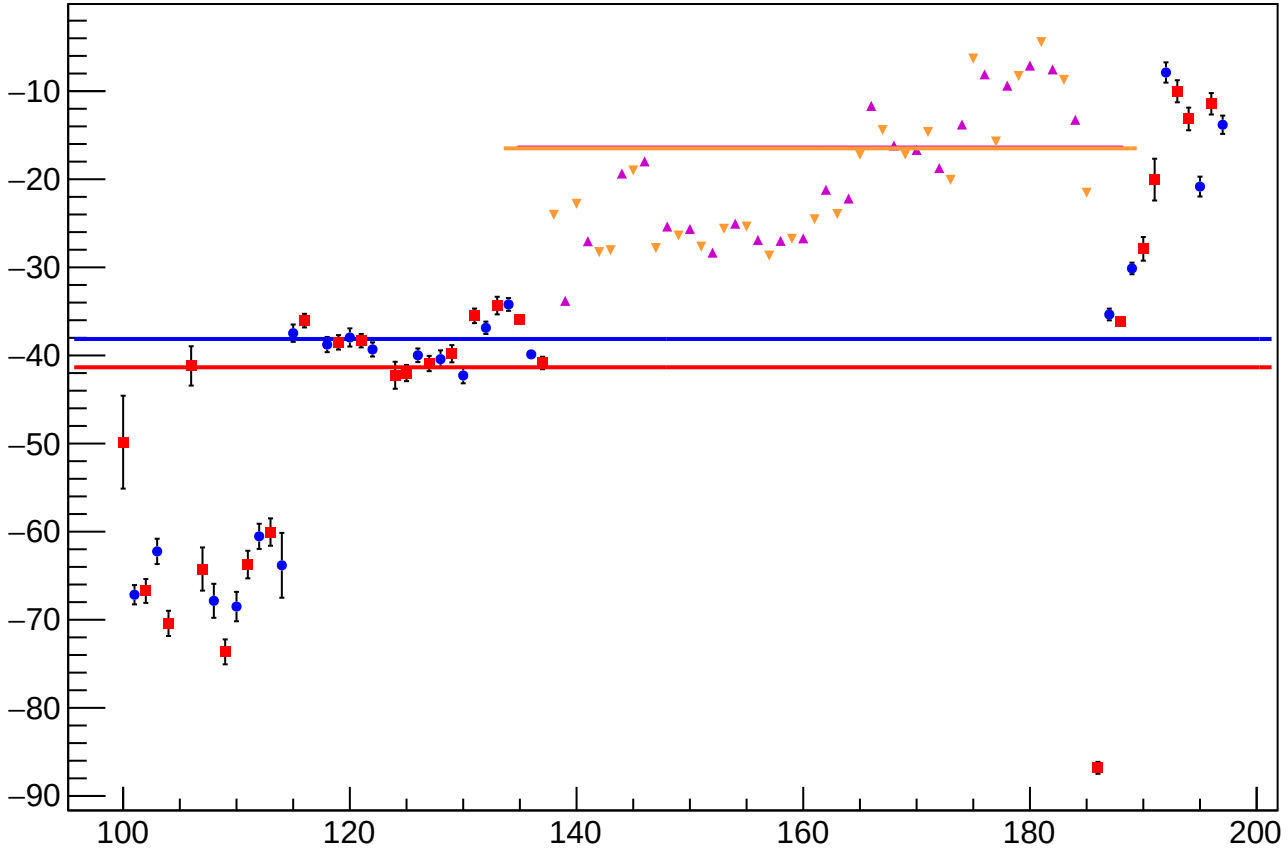
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.429+/-0.040 χ^2/NDF: 7447.1/45

All: 4.280+/-0.029 χ^2/NDF: 14379.4/94

- sign 4.124+/-0.041 χ^2/NDF: 6904.2/48

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -38.129+/-0.182 χ^2/NDF: 3583.1/20

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -41.343+/-0.175 χ^2/NDF: 8638.4/25

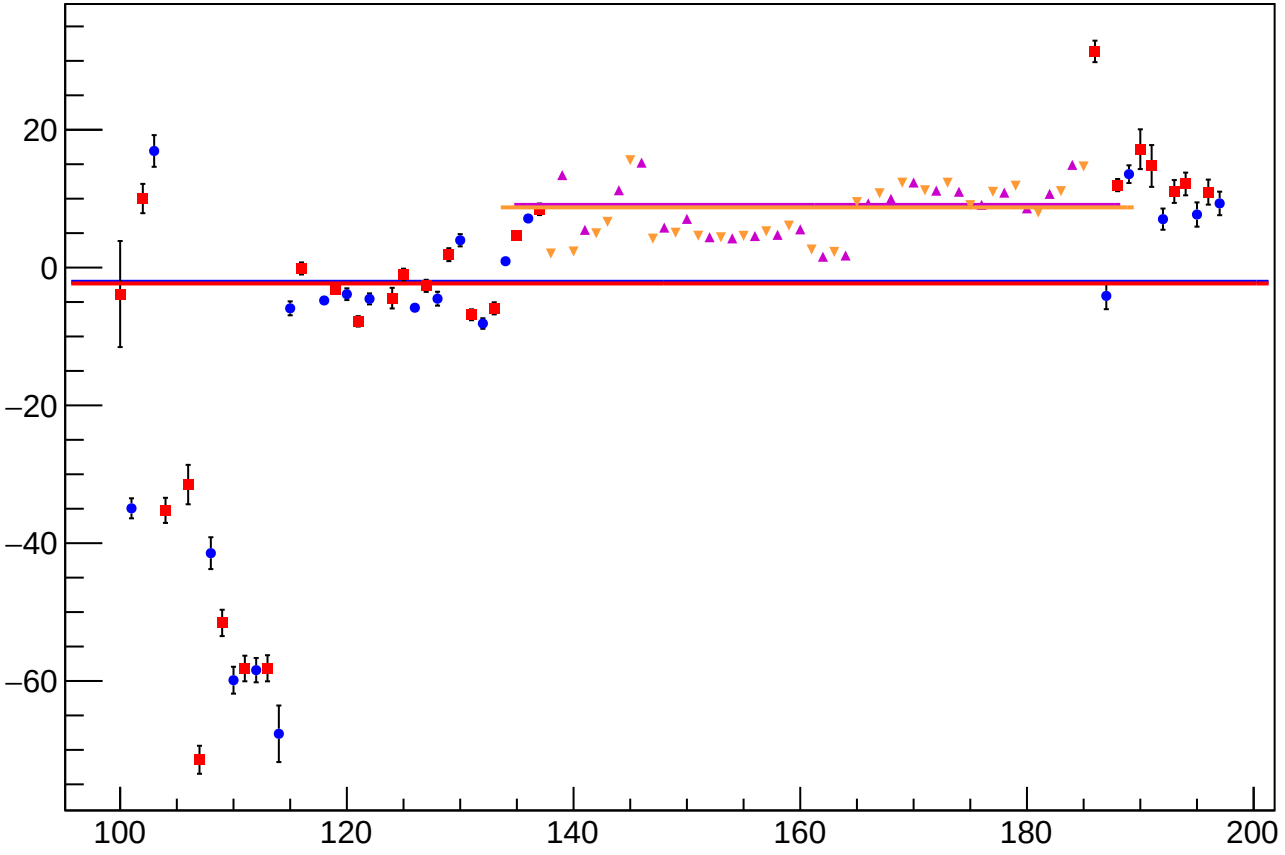
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.174+/-0.051 χ^2/NDF: 38626.7/45

All: -18.362+/-0.036 χ^2/NDF: 83796.9/94

- sign -18.556+/-0.052 χ^2/NDF: 45142.4/48

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.065+/-0.201 χ^2/NDF: 4002.1/20

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -2.308+/-0.215 χ^2/NDF: 5512.4/25

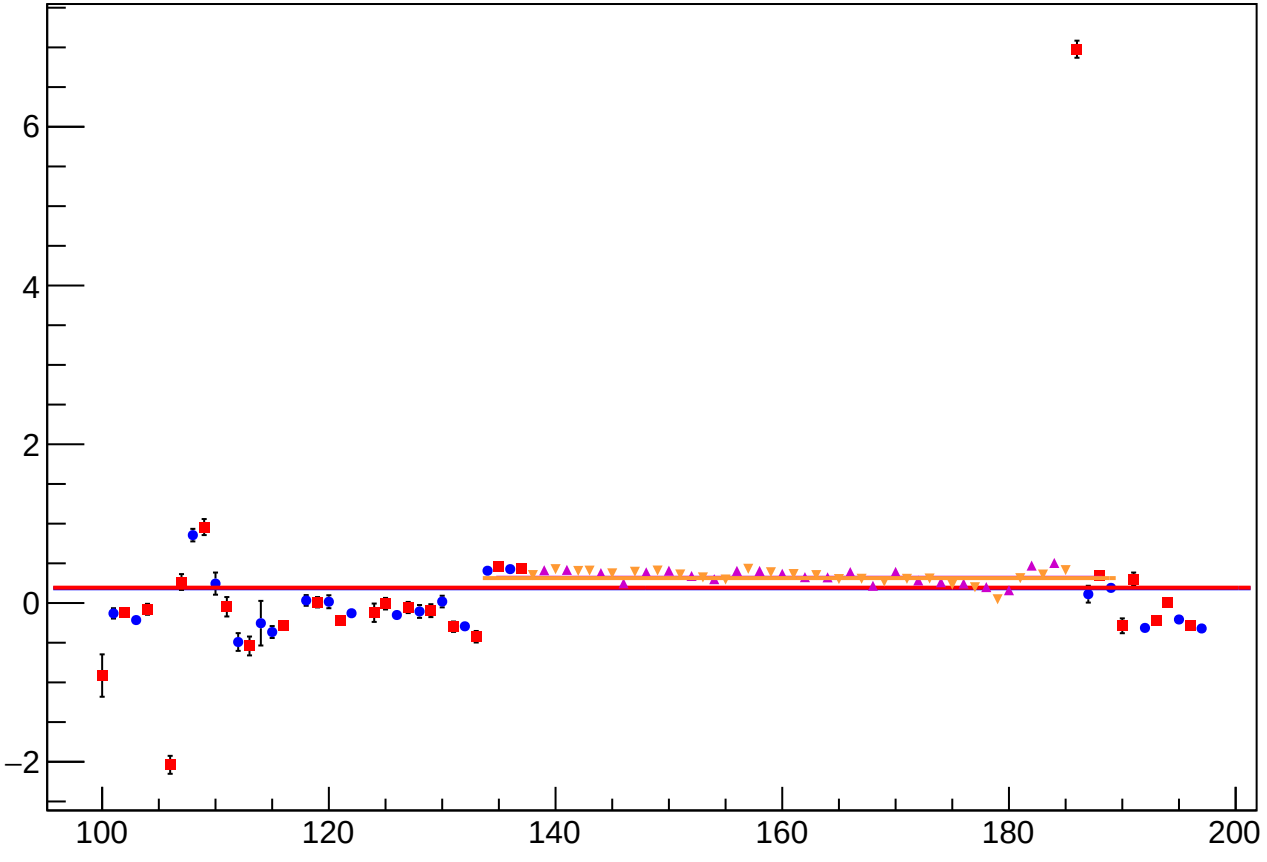
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.194+/-0.045 χ^2/NDF: 13615.5/45

All: 8.381+/-0.032 χ^2/NDF: 27578.9/94

- sign 8.576+/-0.046 χ^2/NDF: 13928.2/48

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.186+/-0.010 χ^2/NDF: 903.6/20

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.193+/-0.011 χ^2/NDF: 5198.1/25

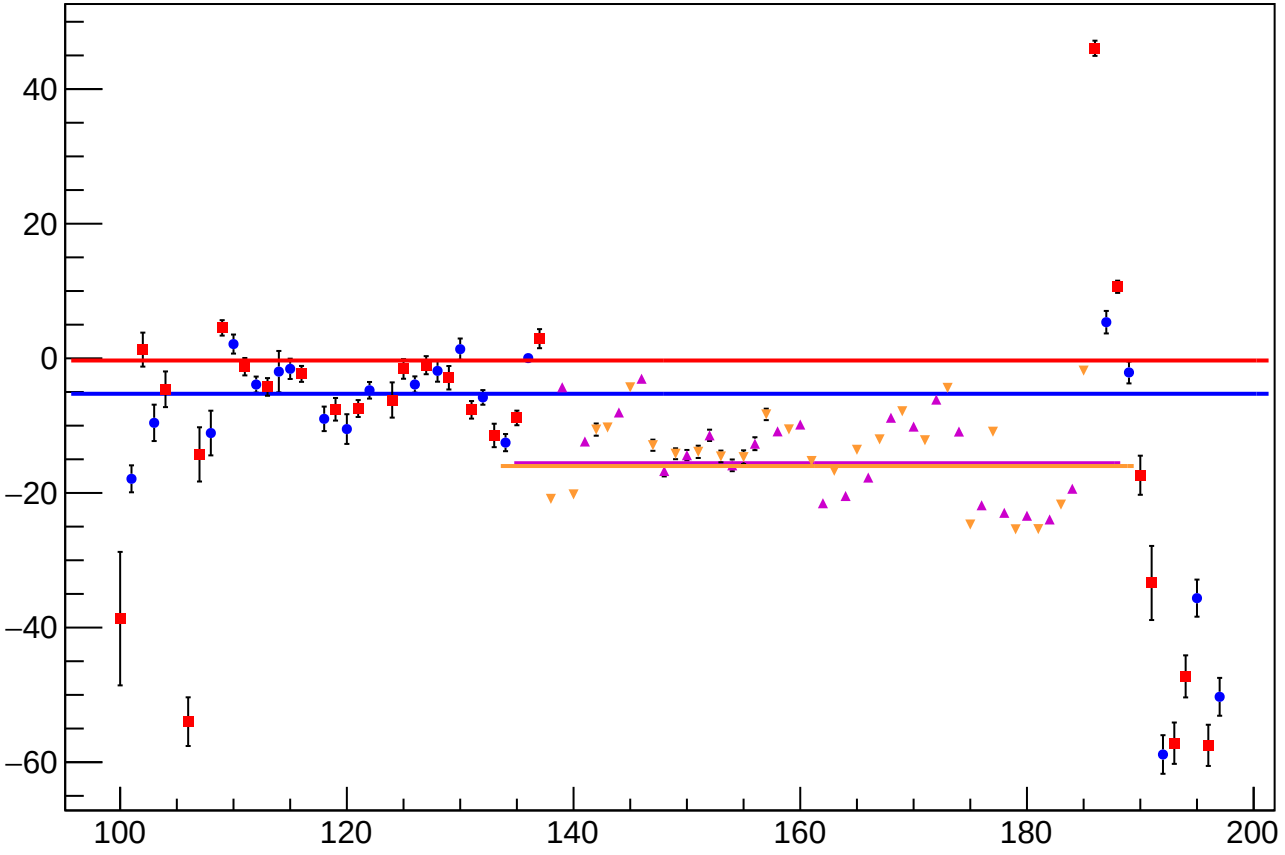
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.309+/-0.002 χ^2/NDF: 2649.8/45

All: 0.312+/-0.001 χ^2/NDF: 9754.6/94

- sign 0.315+/-0.002 χ^2/NDF: 7101.3/48

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -5.265+/-0.325 χ^2/NDF: 974.8/20

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -0.322+/-0.311 χ^2/NDF: 3300.7/25

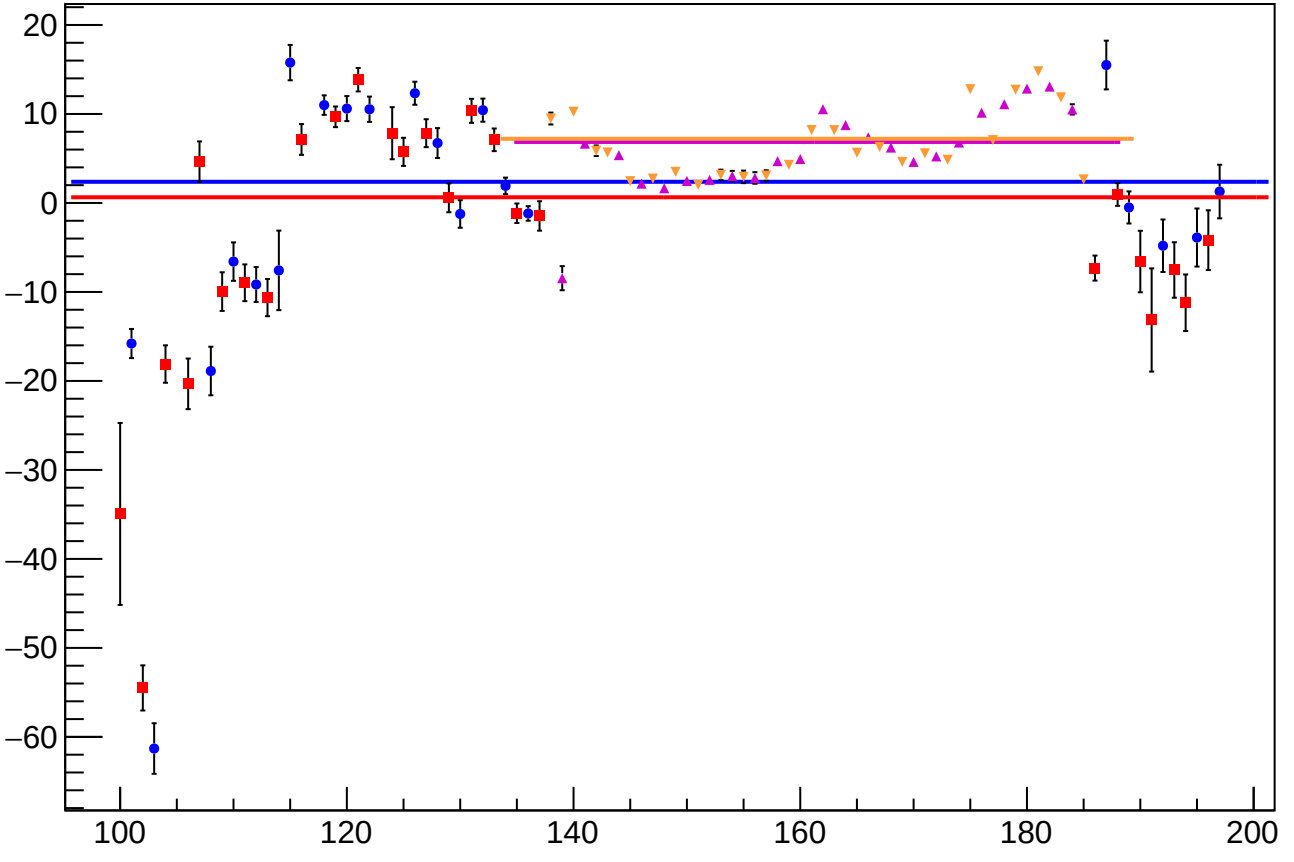
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.082+/-0.095 χ^2/NDF: 7935.2/45

All: -14.602+/-0.068 χ^2/NDF: 18218.0/94

- sign -14.103+/-0.097 χ^2/NDF: 10230.8/48

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.379+/-0.341 χ^2/NDF: 1082.1/20

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.640+/-0.348 χ^2/NDF: 1056.1/25

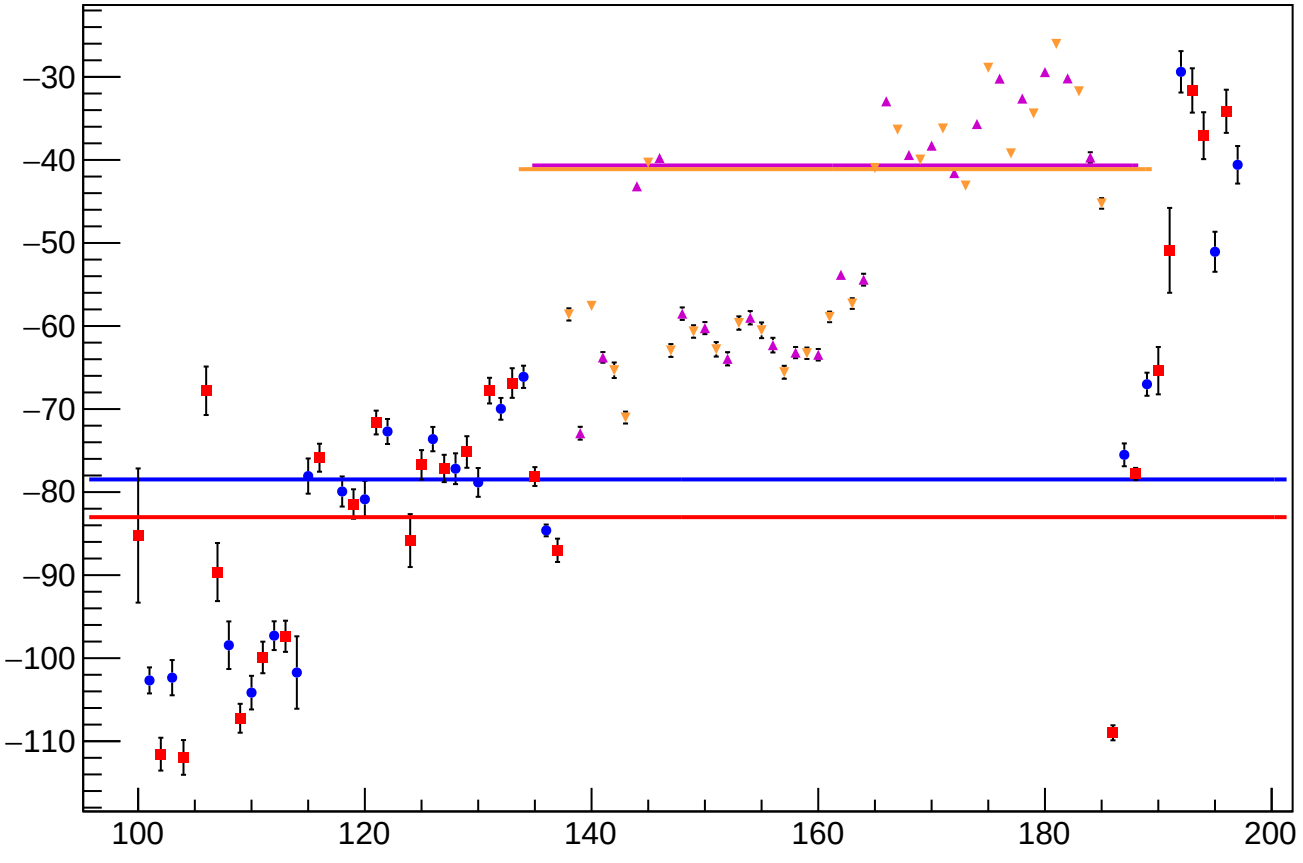
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.959+/-0.078 χ^2/NDF: 3728.7/45

All: 6.751+/-0.055 χ^2/NDF: 7257.4/94

- sign 6.537+/-0.079 χ^2/NDF: 3514.3/48

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -78.476+/-0.346 χ^2/NDF: 1821.2/20

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -83.018+/-0.325 χ^2/NDF: 3034.2/25

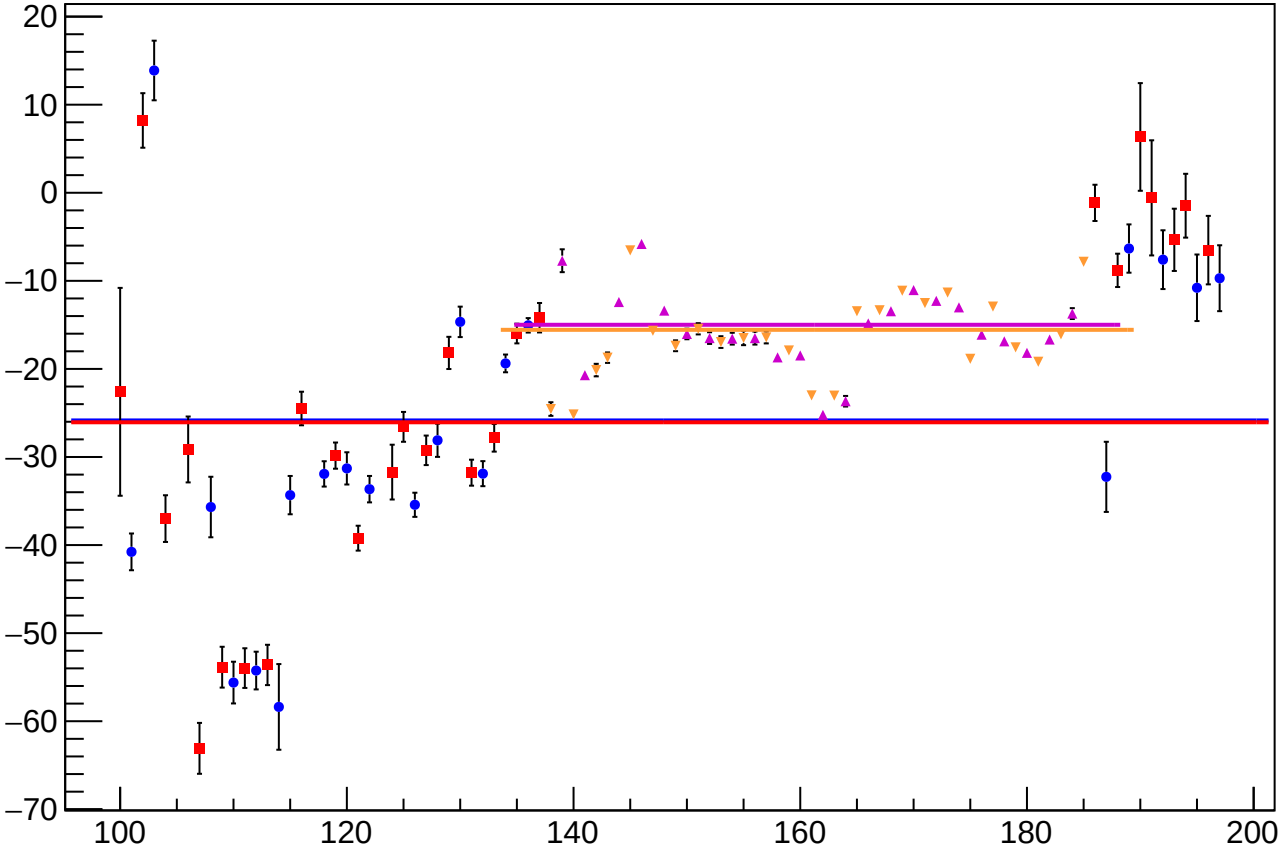
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.989+/-0.096 χ^2/NDF: 28576.8/45

All: -44.234+/-0.068 χ^2/NDF: 60655.0/94

- sign -44.486+/-0.097 χ^2/NDF: 32065.0/48

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -25.850+/-0.383 χ^2/NDF: 1086.9/20

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -26.059+/-0.403 χ^2/NDF: 1392.9/25

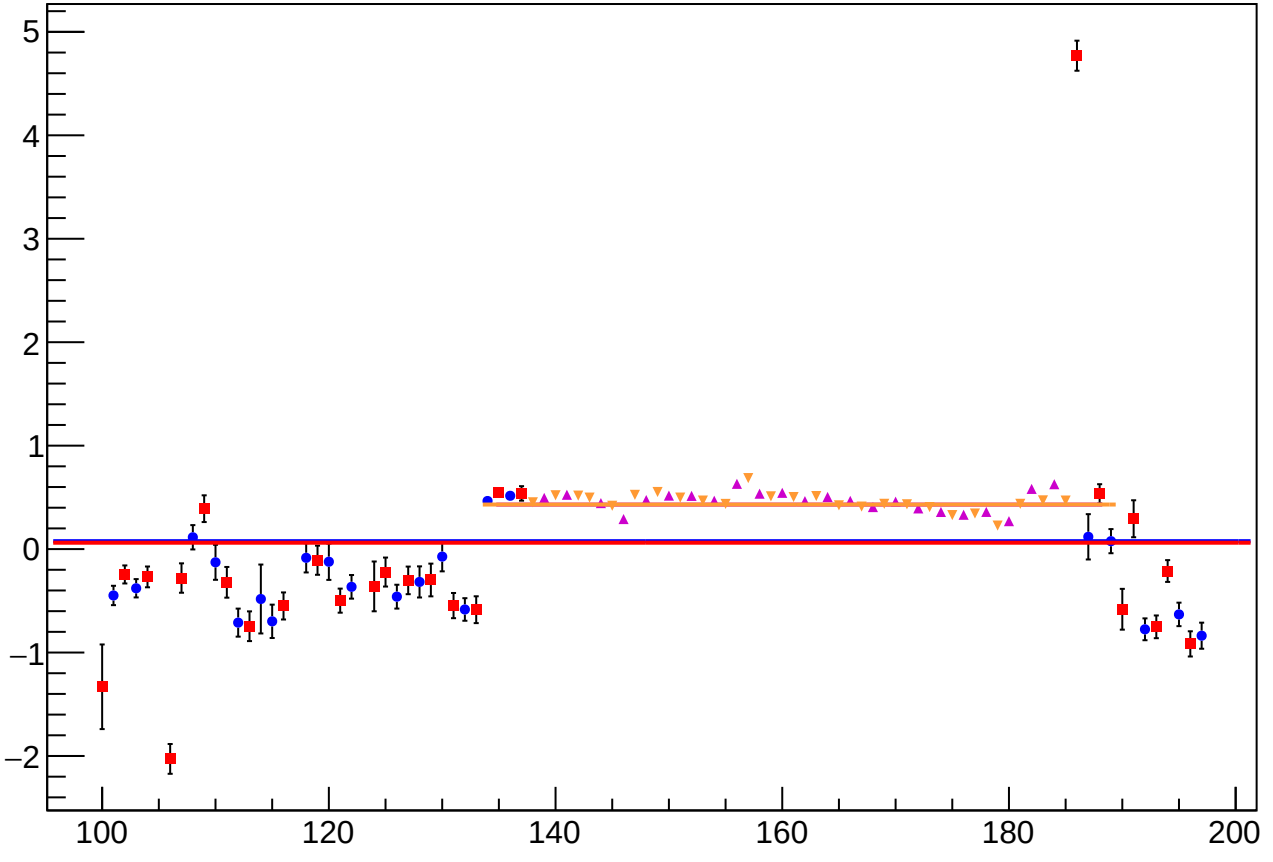
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.088+/-0.087 χ^2/NDF: 4321.2/45

All: -15.809+/-0.062 χ^2/NDF: 8605.7/94

- sign -15.520+/-0.088 χ^2/NDF: 4263.4/48

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.077+/-0.020 χ^2/NDF: 595.4/20

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.062+/-0.022 χ^2/NDF: 1794.3/25

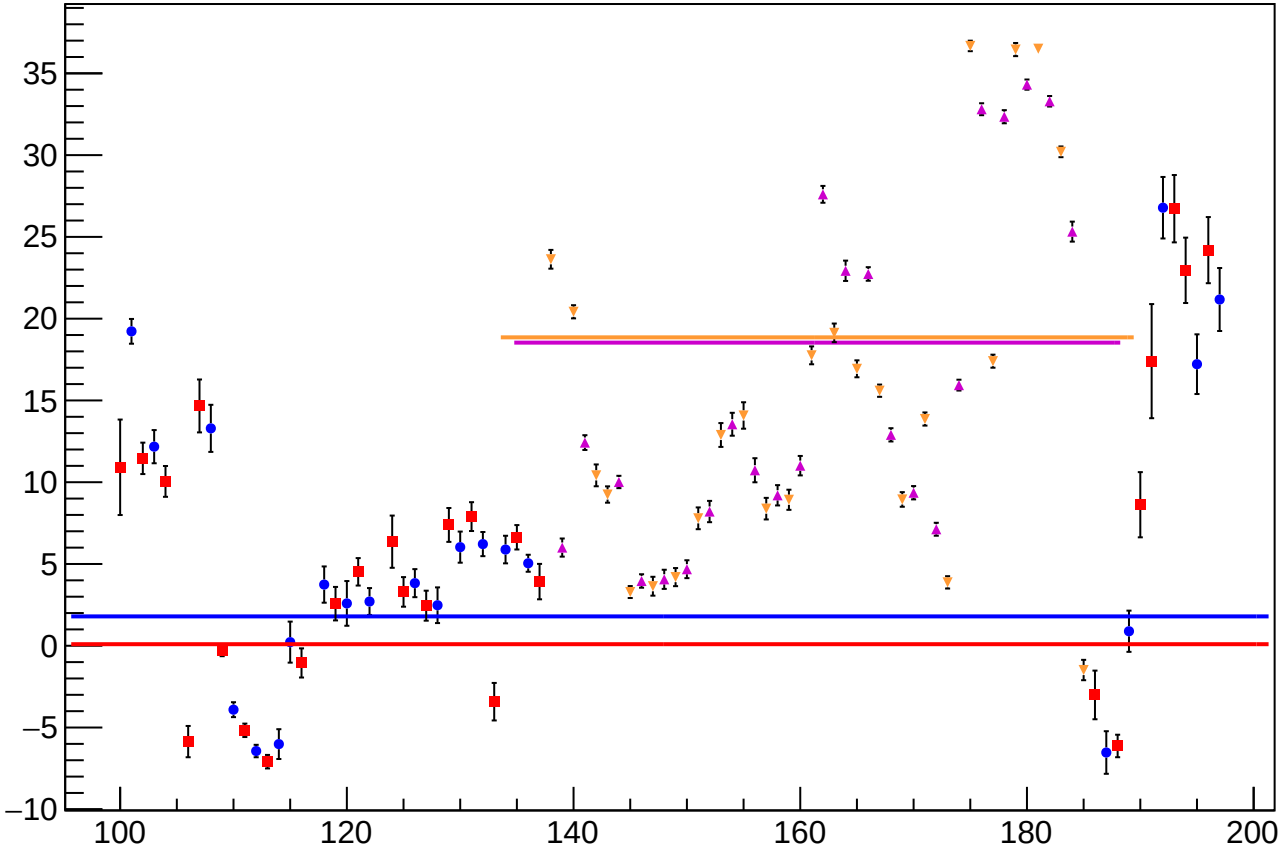
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

\+ sign 0.417+/-0.004 χ^2/NDF: 1316.0/45

All: 0.417+/-0.003 χ^2/NDF: 3974.3/94

\- sign 0.418+/-0.004 χ^2/NDF: 2658.2/48

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.795+/-0.177 χ^2/NDF: 1917.0/20

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.096+/-0.159 χ^2/NDF: 1717.6/25

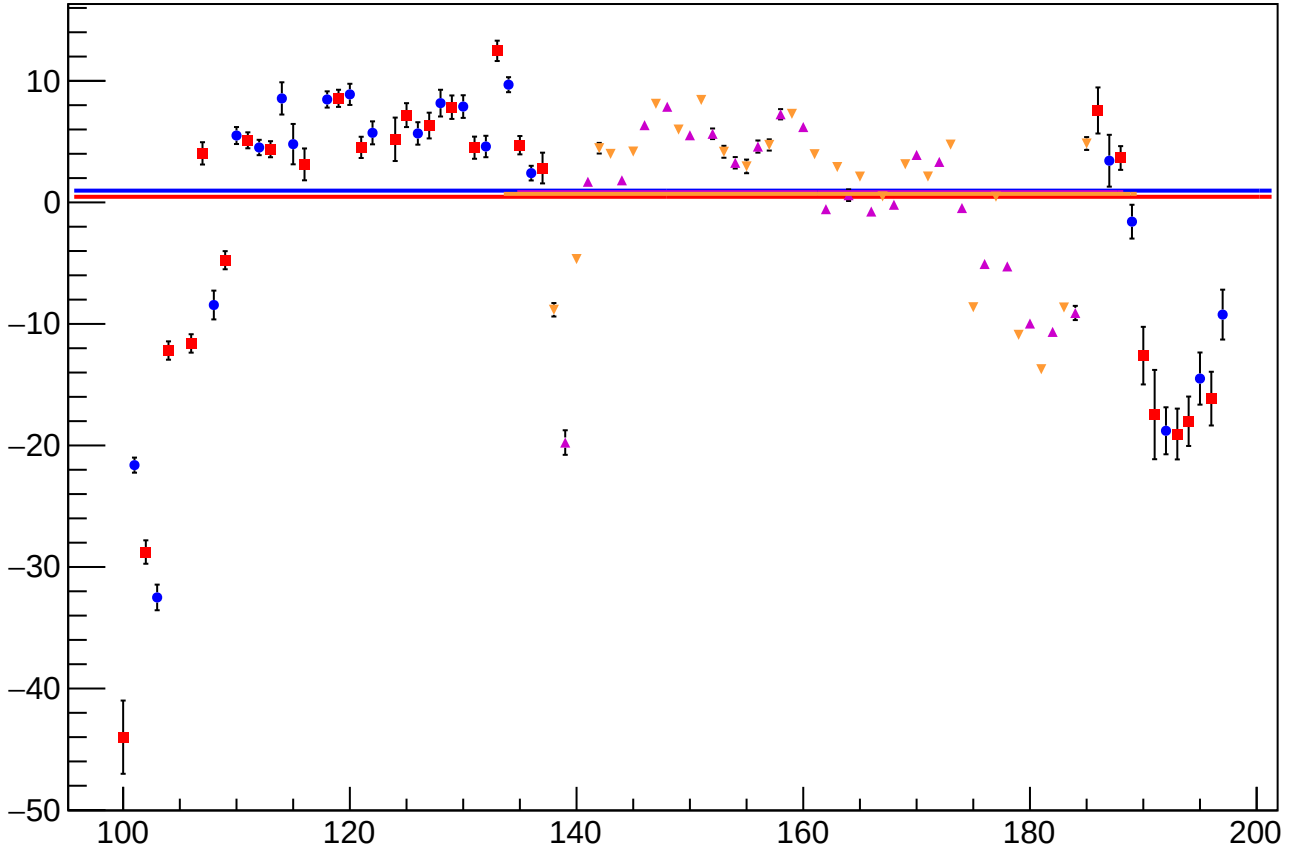
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.329+/-0.081 χ^2/NDF: 27657.6/45

All: 14.584+/-0.057 χ^2/NDF: 53575.3/94

- sign 13.839+/-0.080 χ^2/NDF: 25746.3/48

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.969+/-0.198 χ^2/NDF: 3271.9/20

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.461+/-0.193 χ^2/NDF: 2686.8/25

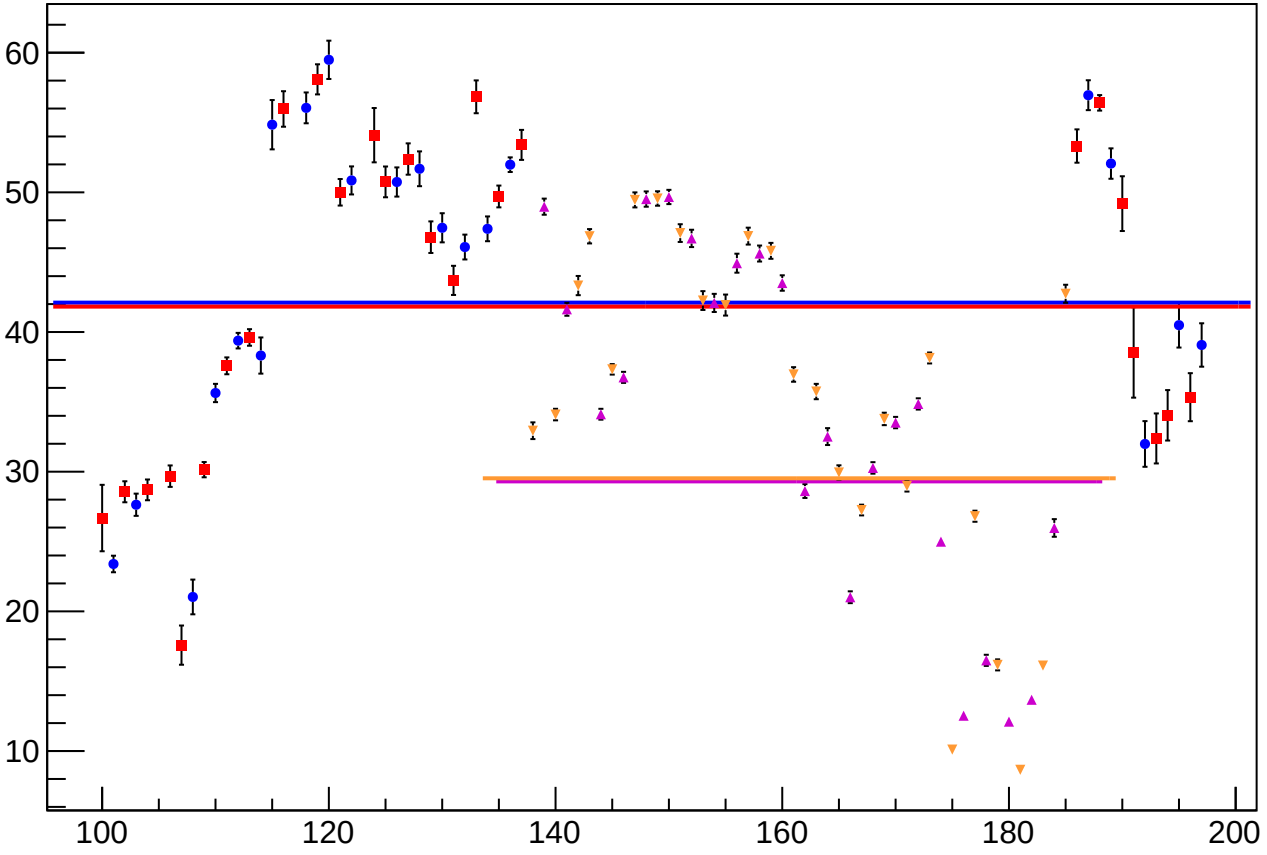
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.732+/-0.066 χ^2/NDF: 11511.3/45

All: 0.765+/-0.047 χ^2/NDF: 20247.5/94

- sign 0.799+/-0.068 χ^2/NDF: 8735.7/48

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 42.104+/-0.198 χ^2/NDF: 3076.3/20

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.819+/-0.184 χ^2/NDF: 3612.7/25

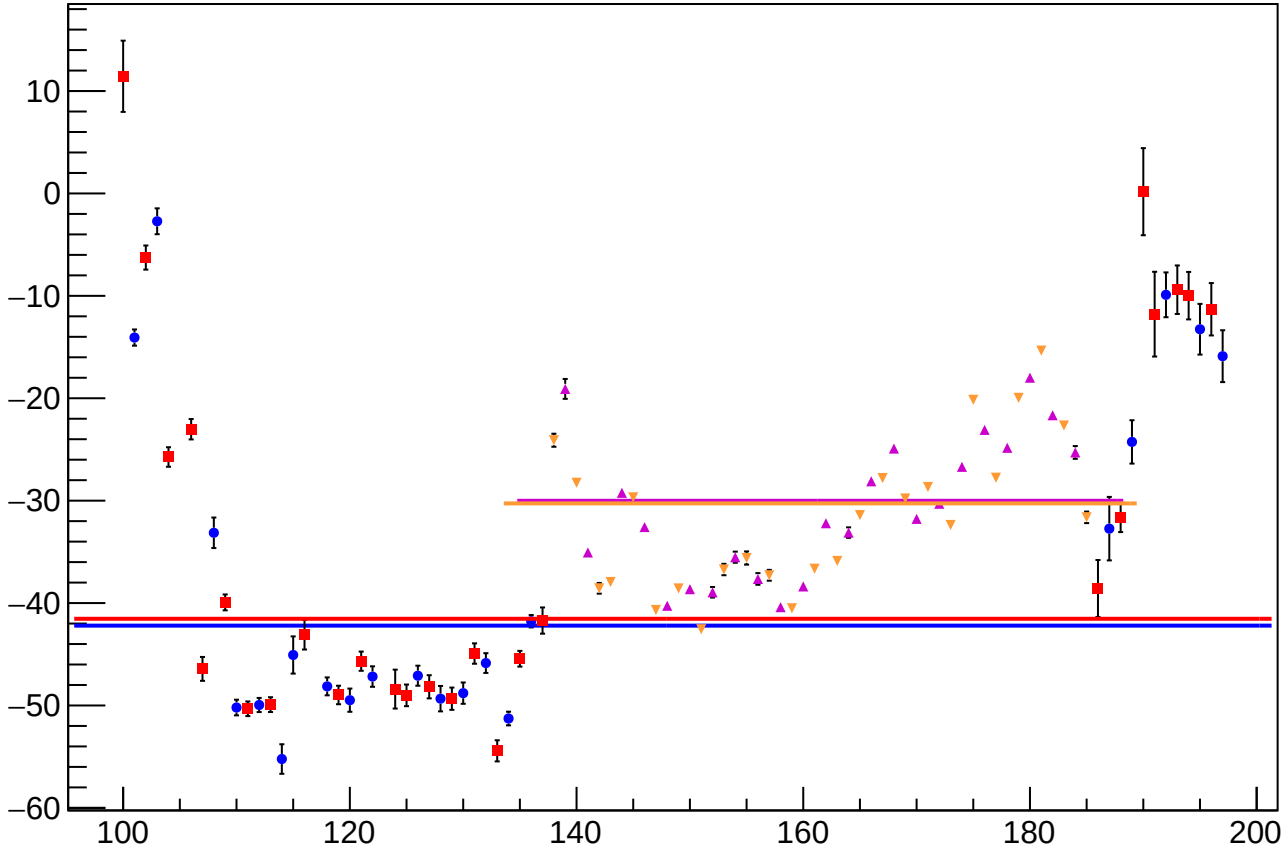
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.698+/-0.082 χ^2/NDF: 27488.7/45

All: 31.777+/-0.058 χ^2/NDF: 52657.1/94

- sign 31.857+/-0.083 χ^2/NDF: 25166.6/48

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -42.203+/-0.224 χ^2/NDF: 3551.4/20

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -41.534+/-0.222 χ^2/NDF: 3193.1/25

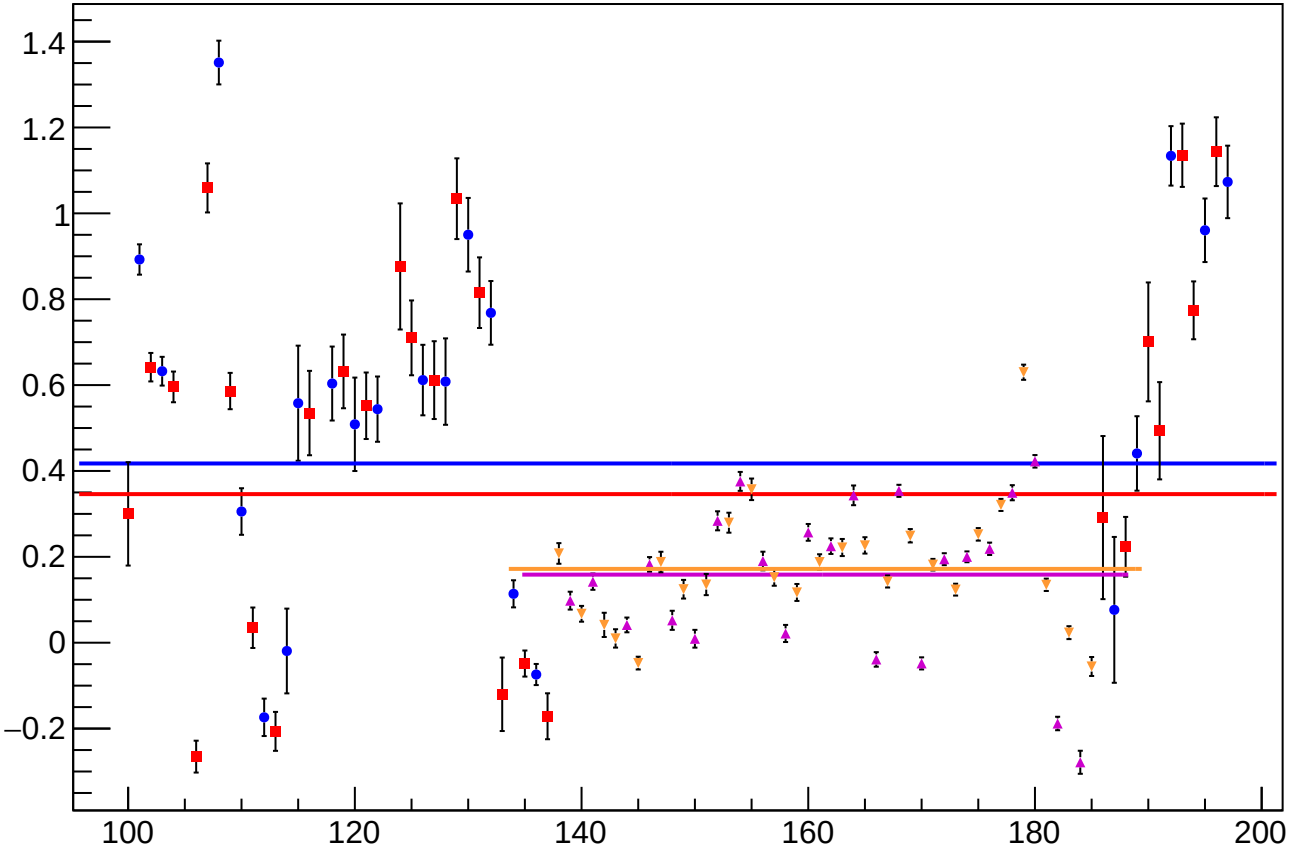
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.592+/-0.075 χ^2/NDF: 14568.0/45

All: -31.486+/-0.053 χ^2/NDF: 26225.2/94

- sign -31.376+/-0.076 χ^2/NDF: 11653.1/48

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.417+/-0.012 χ^2/NDF: 1562.7/20

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.346+/-0.011 χ^2/NDF: 1484.7/25

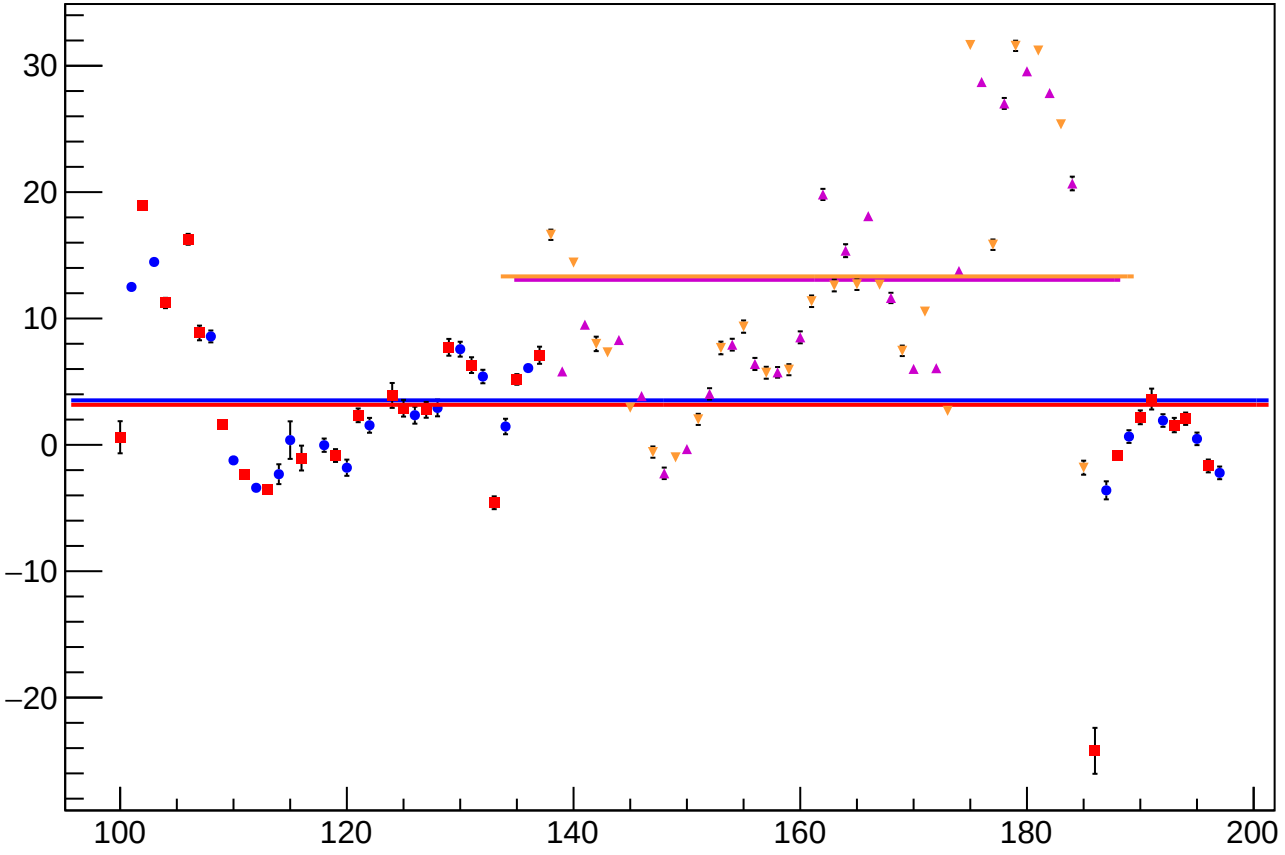
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.193+/-0.003 χ^2/NDF: 3472.8/45

All: 0.185+/-0.002 χ^2/NDF: 7404.3/94

- sign 0.176+/-0.003 χ^2/NDF: 3919.3/48

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.521+/-0.105 χ^2/NDF: 2993.4/20

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 3.169+/-0.093 χ^2/NDF: 4898.0/25

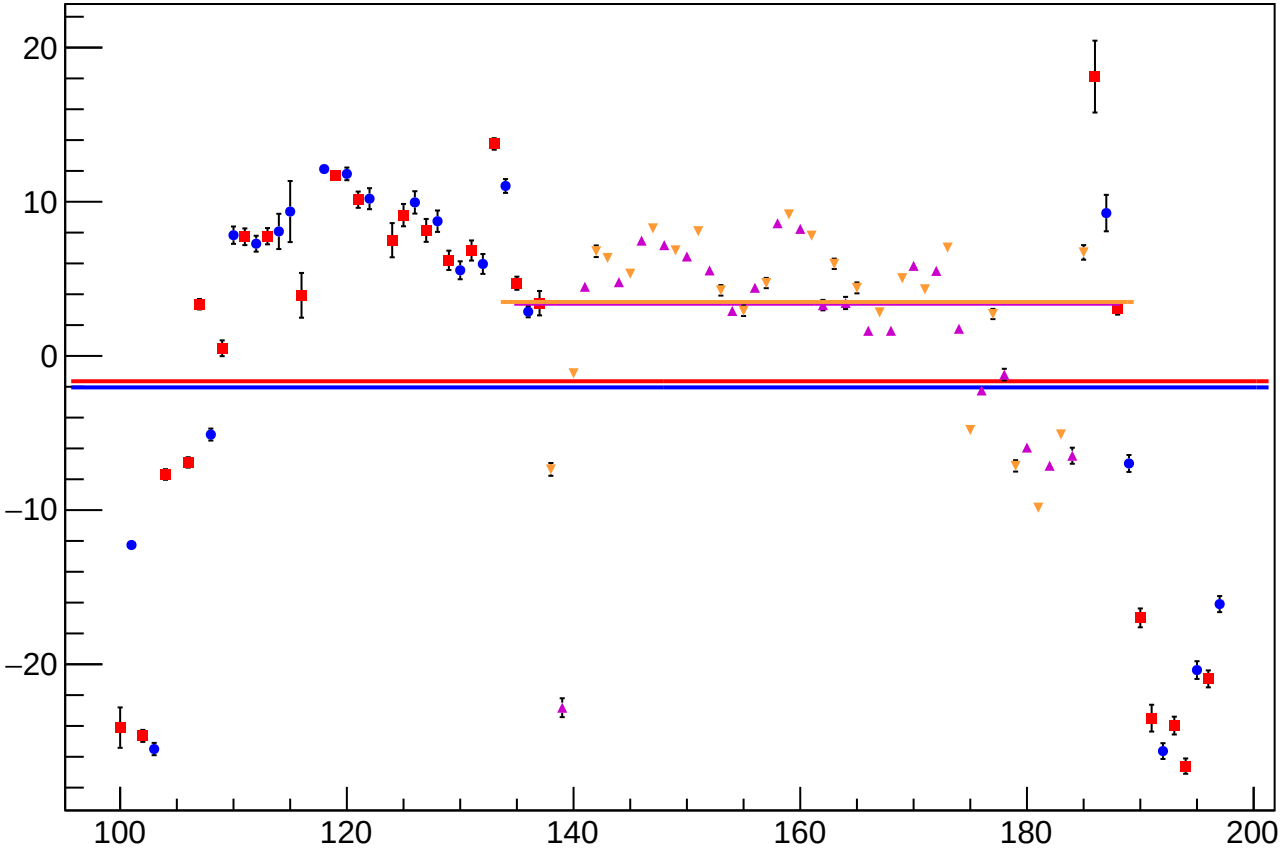
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 9.906+/-0.062 χ^2/NDF: 28126.9/45

All: 9.392+/-0.043 χ^2/NDF: 55255.7/94

- sign 8.904+/-0.060 χ^2/NDF: 26994.6/48

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -2.041+/-0.106 χ^2/NDF: 15047.8/20

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -1.643+/-0.099 χ^2/NDF: 16853.6/25

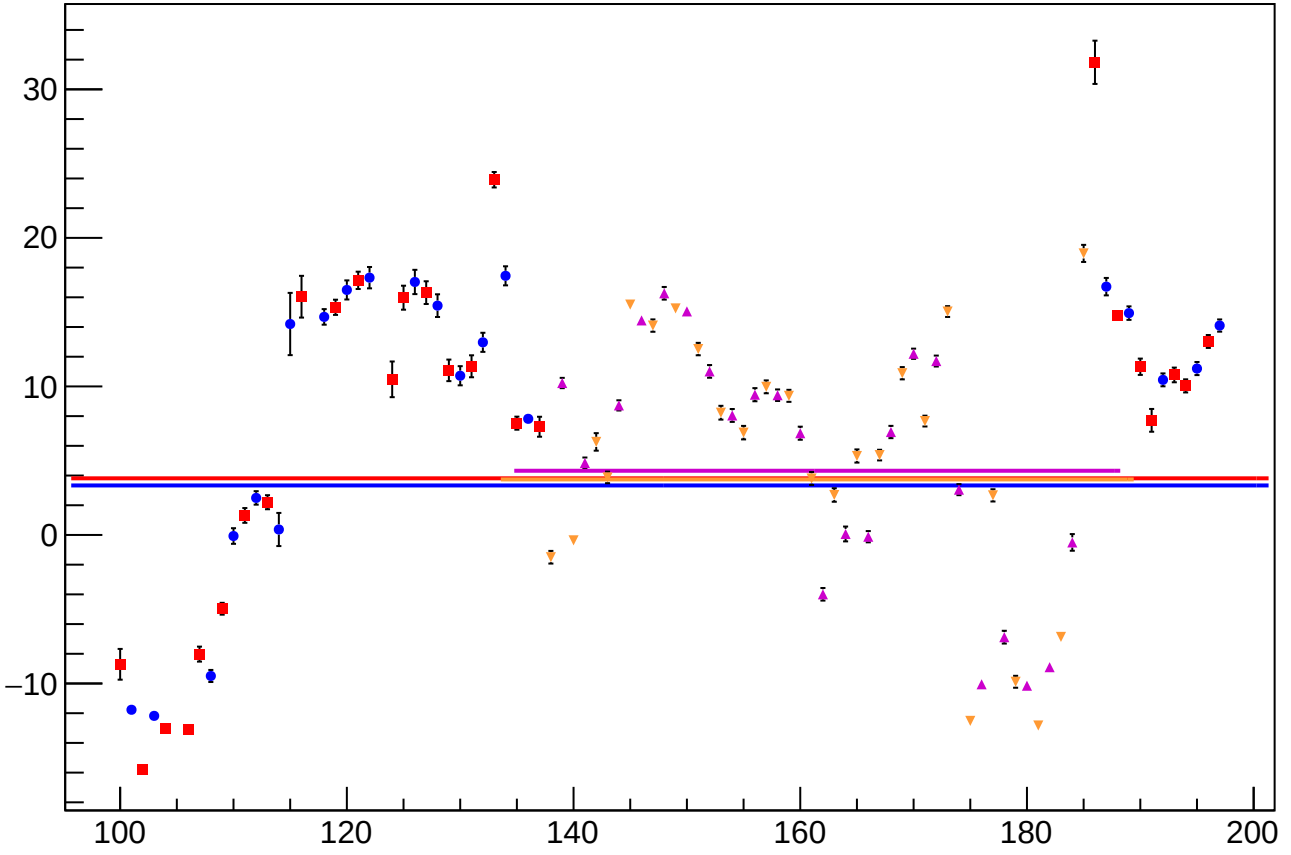
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.207+/-0.051 χ^2/NDF: 25053.3/45

All: 2.103+/-0.036 χ^2/NDF: 50499.4/94

- sign 1.996+/-0.052 χ^2/NDF: 25437.8/48

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 3.333+/-0.103 χ^2/NDF: 12513.2/20

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

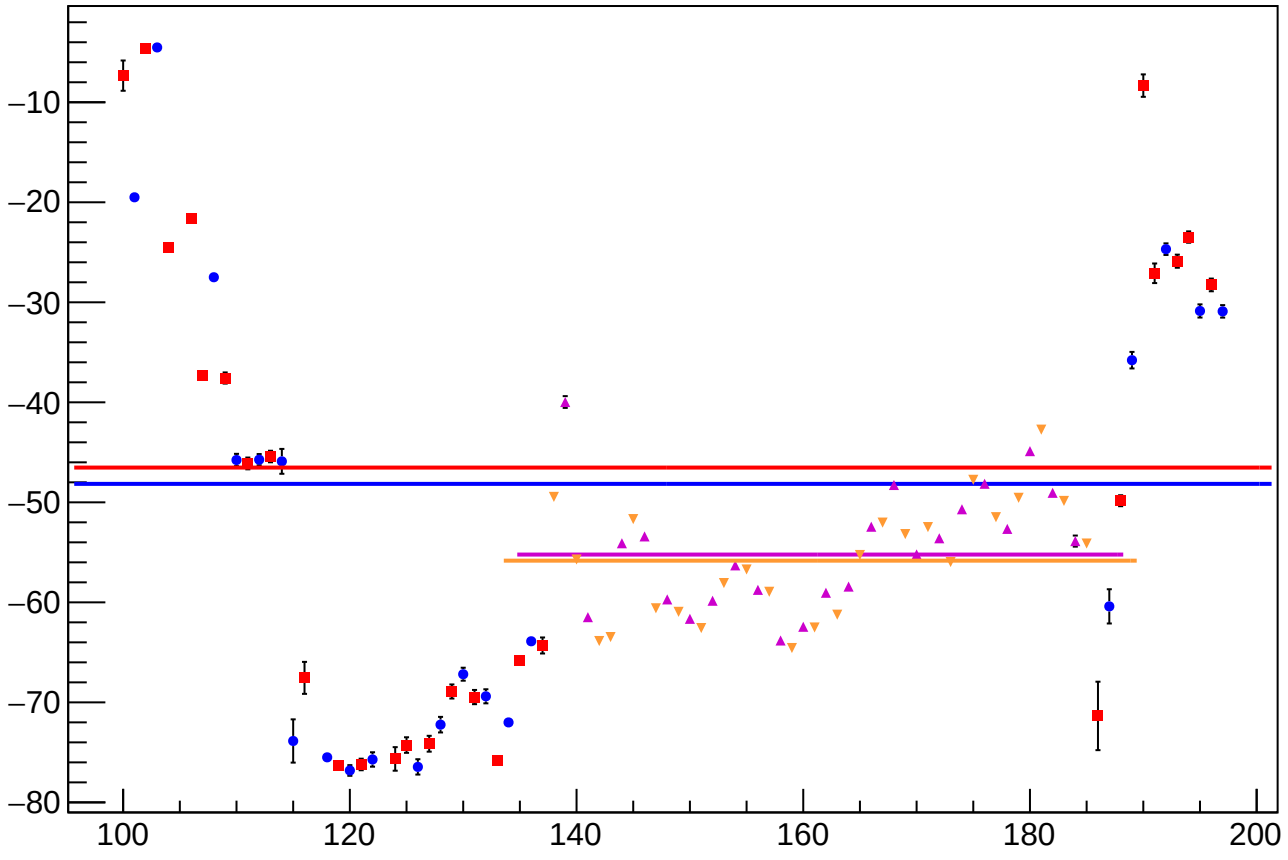
Right Out: 3.813+/-0.092 χ^2/NDF: 18428.2/25

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.594+/-0.061 χ^2/NDF: 28109.9/45

All: 3.858+/-0.043 χ^2/NDF: 59075.0/94

- sign 4.107+/-0.060 χ^2/NDF: 30929.3/48



Right In: -48.155+/-0.125 χ^2/NDF: 37645.9/20

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -46.524+/-0.118 χ^2/NDF: 39706.9/25

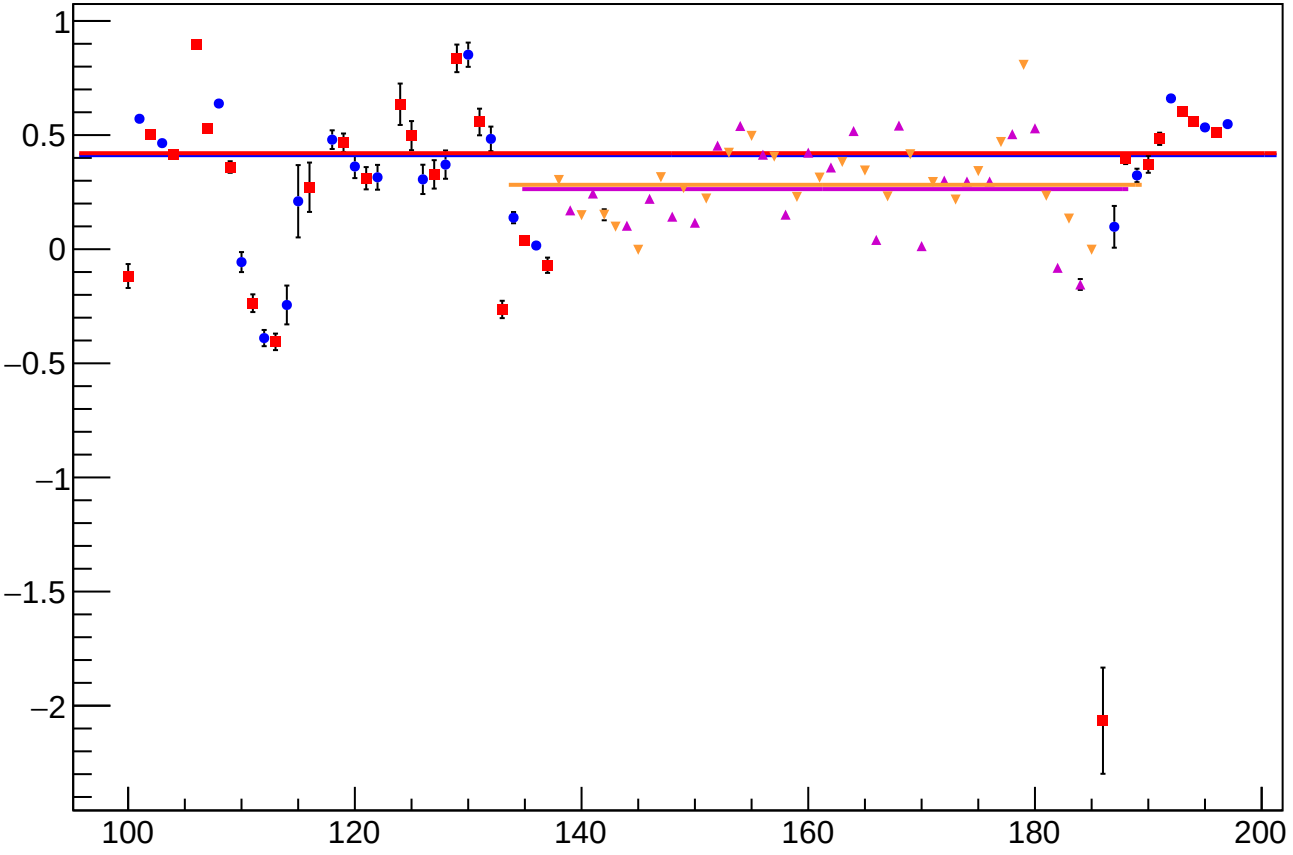
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

\+ sign -54.147+/-0.059 χ^2/NDF: 48177.9/45

All: -53.592+/-0.042 χ^2/NDF: 98463.6/94

\- sign -53.022+/-0.059 χ^2/NDF: 50103.9/48

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.412+/-0.005 χ^2/NDF: 2214.0/20

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.421+/-0.005 χ^2/NDF: 3136.1/25

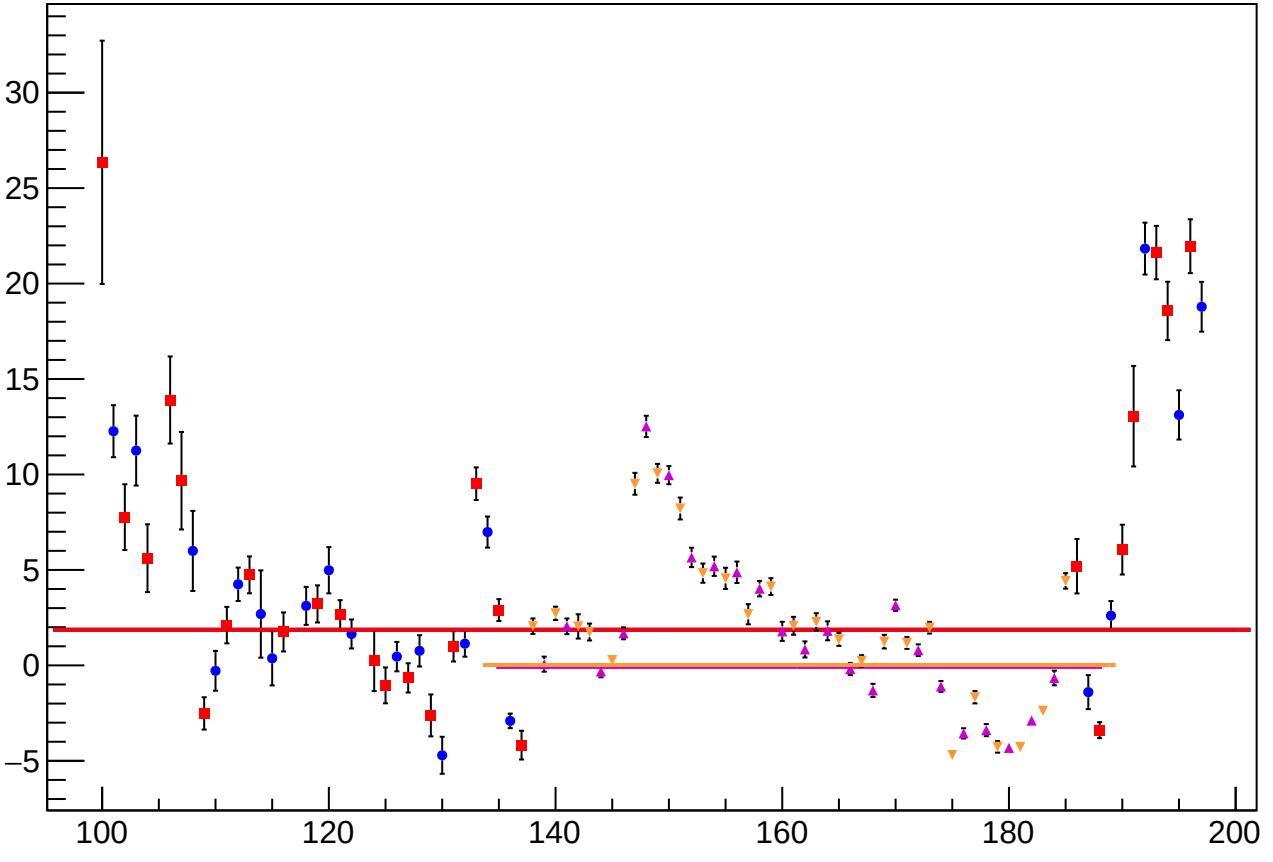
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.312+/-0.003 χ^2/NDF: 5367.3/45

All: 0.309+/-0.002 χ^2/NDF: 13057.3/94

- sign 0.305+/-0.003 χ^2/NDF: 7686.1/48

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.865+/-0.193 χ^2/NDF: 832.3/20

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.869+/-0.187 χ^2/NDF: 1007.0/25

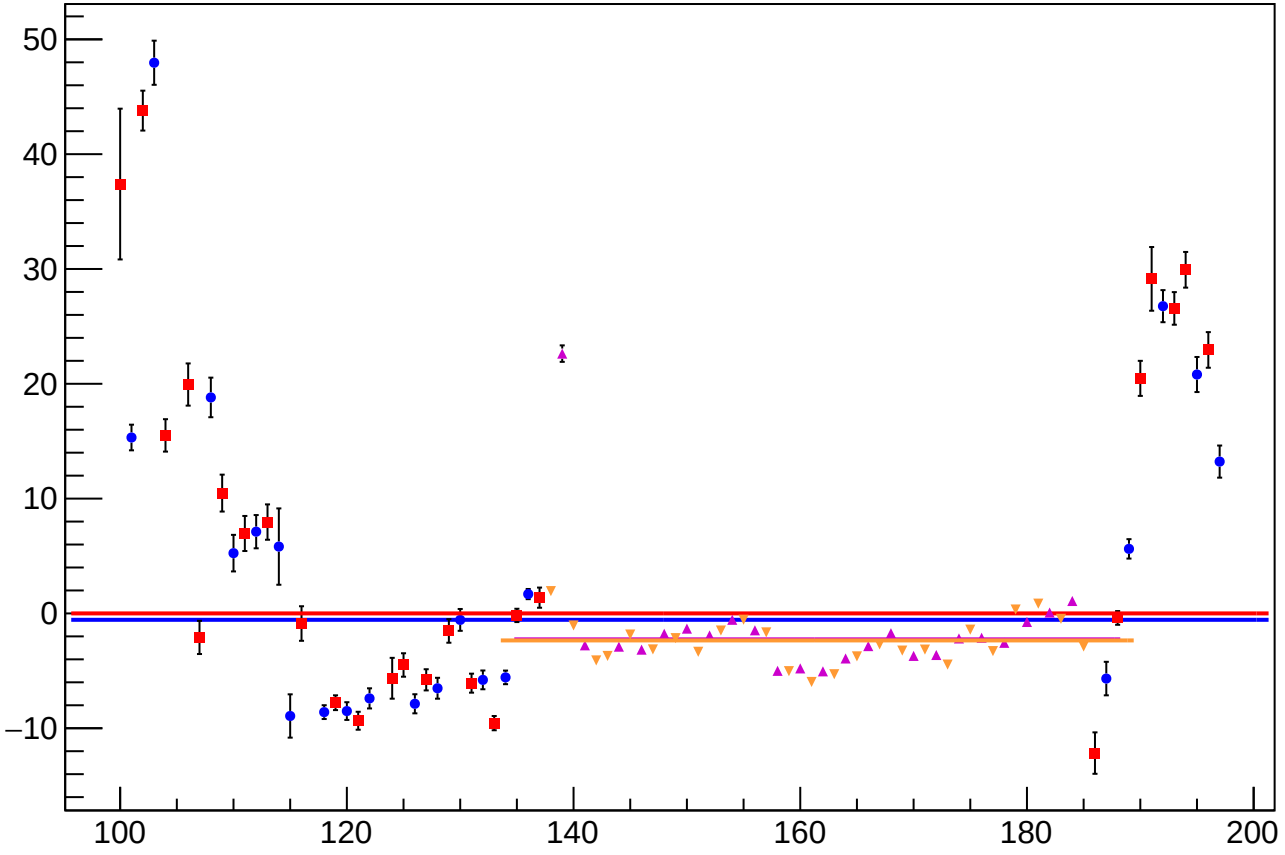
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.229+/-0.065 χ^2/NDF: 3672.7/45

All: 0.197+/-0.046 χ^2/NDF: 7239.5/94

- sign 0.163+/-0.066 χ^2/NDF: 3566.2/48

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -0.557+/-0.200 χ^2/NDF: 2374.6/20

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 0.001+/-0.204 χ^2/NDF: 2926.8/25

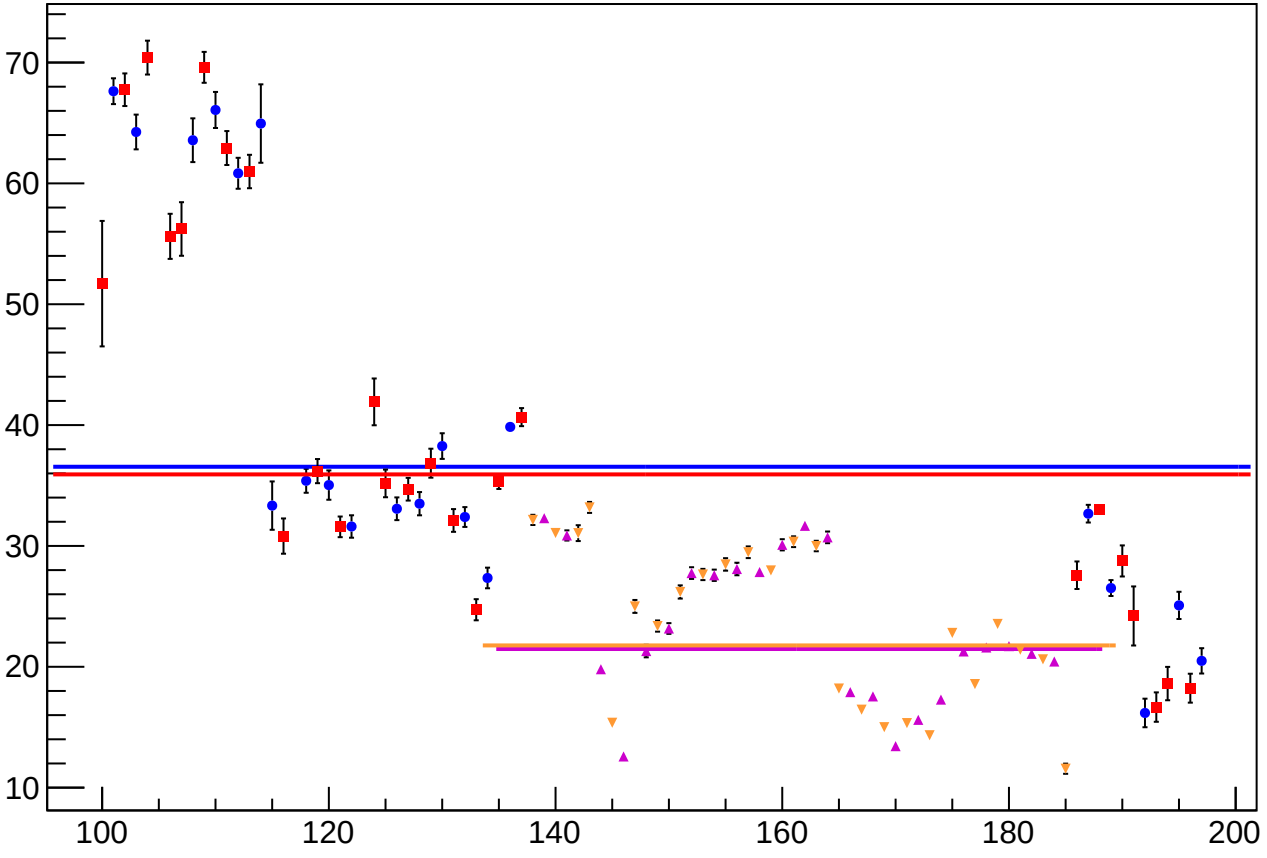
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.226+/-0.053 χ^2/NDF: 3574.9/45

All: -2.163+/-0.038 χ^2/NDF: 8495.9/94

- sign -2.096+/-0.054 χ^2/NDF: 4918.1/48

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 36.552+/-0.199 χ^2/NDF: 3441.0/20

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 35.919+/-0.189 χ^2/NDF: 3840.7/25

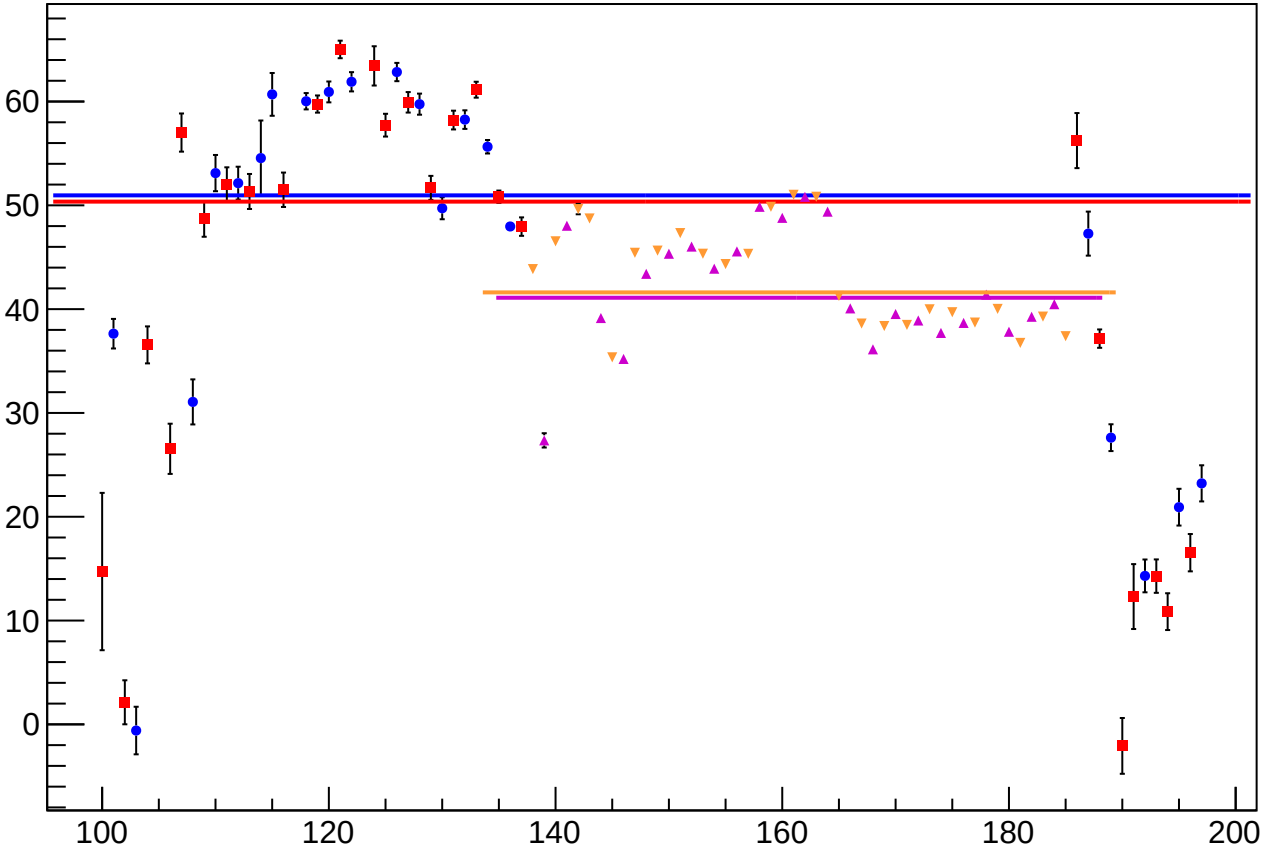
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.350+/-0.065 χ^2/NDF: 15186.0/45

All: 23.300+/-0.046 χ^2/NDF: 29962.3/94

- sign 23.248+/-0.066 χ^2/NDF: 14775.1/48

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 50.960+/-0.227 χ^2/NDF: 2905.1/20

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 50.358+/-0.236 χ^2/NDF: 3721.1/25

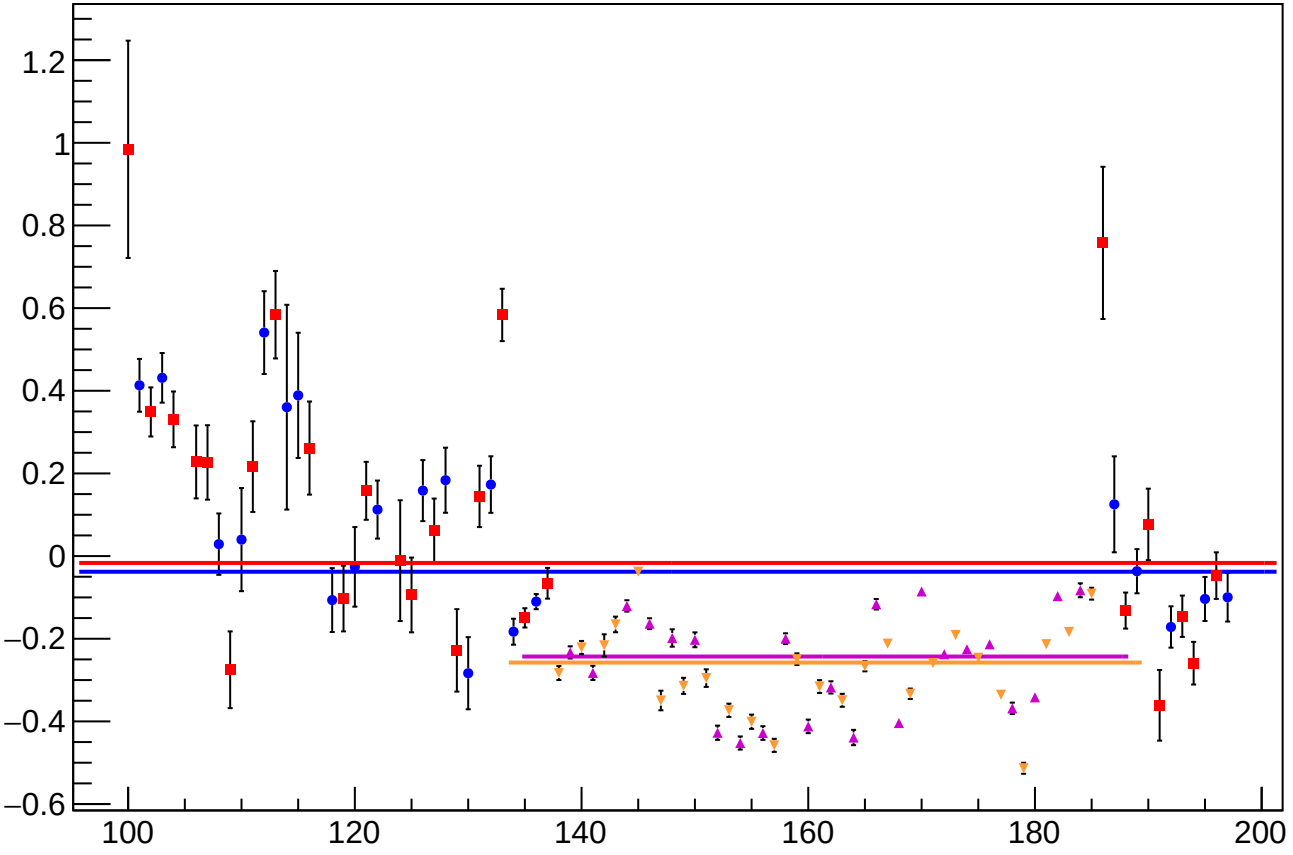
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.246+/-0.059 χ^2/NDF: 10259.2/45

All: 41.983+/-0.042 χ^2/NDF: 20934.5/94

- sign 41.706+/-0.061 χ^2/NDF: 10634.6/48

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.038+/-0.011 χ^2/NDF: 242.5/20

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.017+/-0.012 χ^2/NDF: 357.8/25

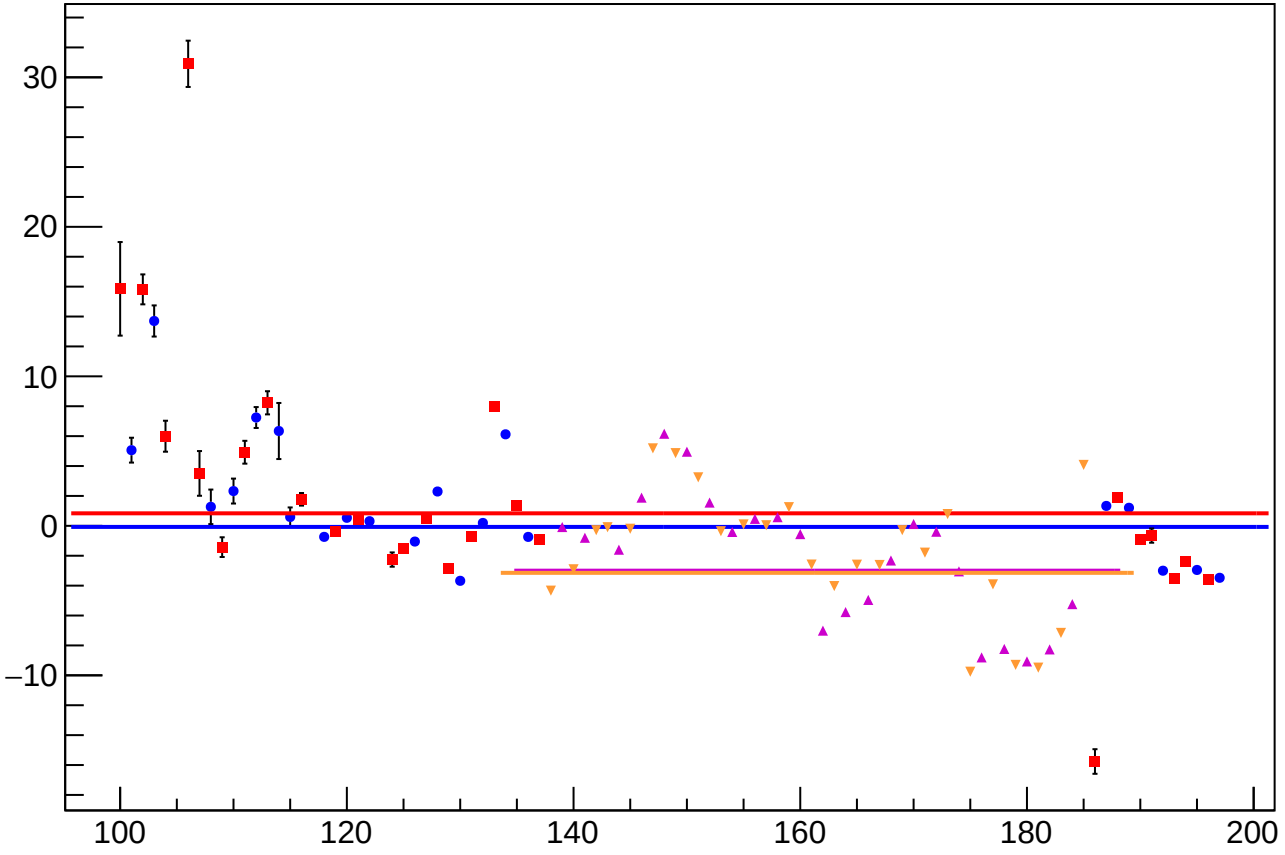
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.246+/-0.003 χ^2/NDF: 2103.6/45

All: -0.239+/-0.002 χ^2/NDF: 4620.8/94

- sign -0.232+/-0.003 χ^2/NDF: 2503.0/48

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.072+/-0.065 χ^2/NDF: 1536.5/20

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.837+/-0.059 χ^2/NDF: 3580.2/25

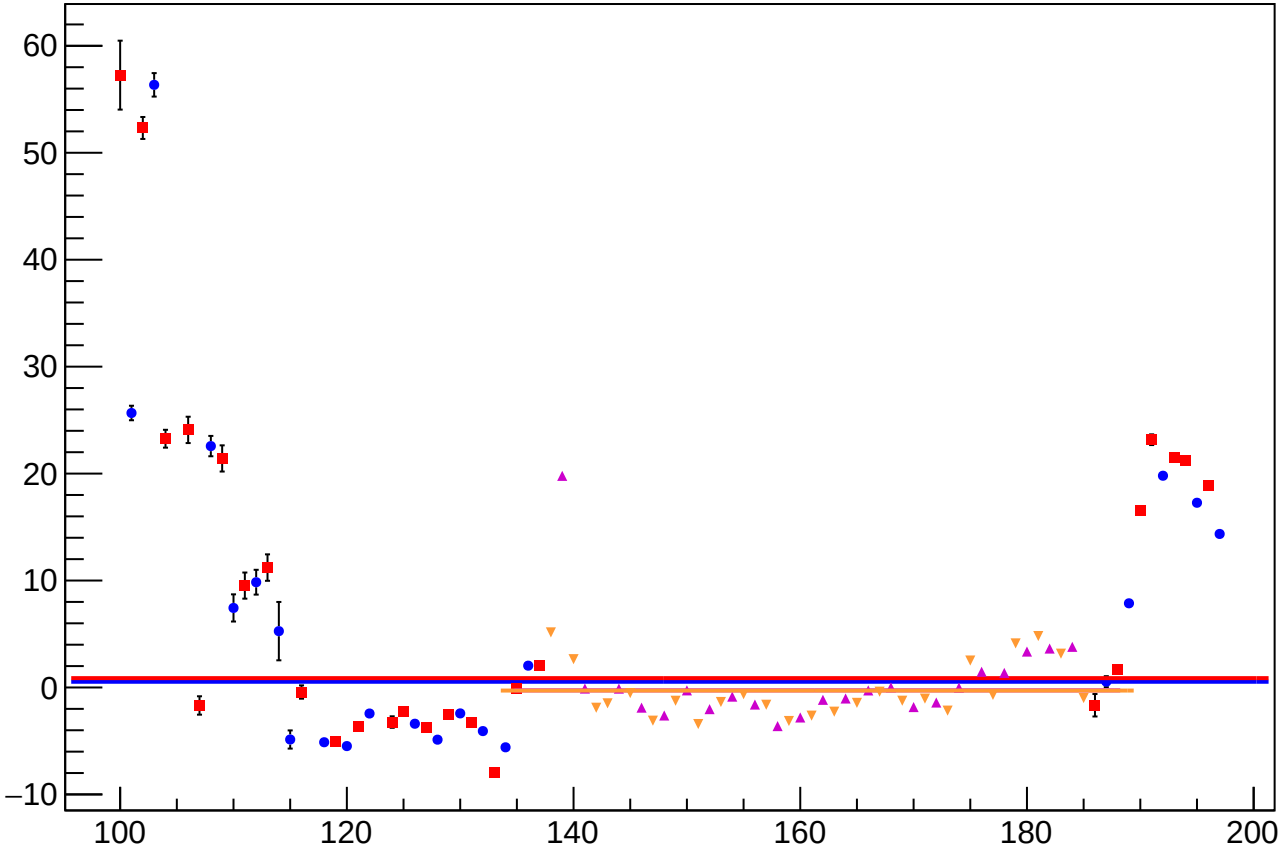
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.677+/-0.026 χ^2/NDF: 28762.2/45

All: -2.481+/-0.018 χ^2/NDF: 58275.0/94

- sign -2.283+/-0.026 χ^2/NDF: 29394.6/48

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.535+/-0.063 χ^2/NDF: 19229.4/20

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 0.874+/-0.060 χ^2/NDF: 27429.2/25

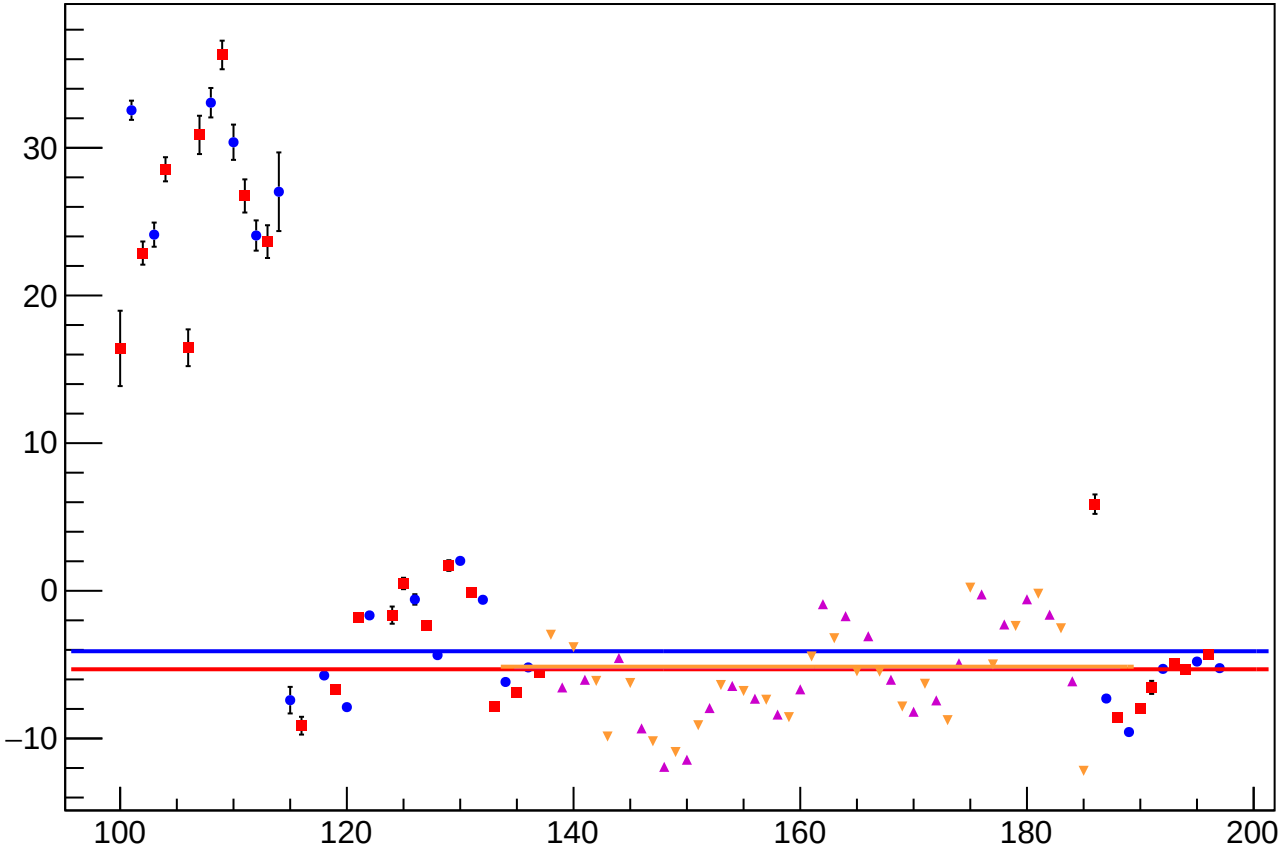
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.200+/-0.021 χ^2/NDF: 31579.1/45

All: -0.167+/-0.015 χ^2/NDF: 72553.3/94

- sign -0.133+/-0.021 χ^2/NDF: 40969.0/48

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -4.092+/-0.066 χ^2/NDF: 9346.5/20

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.314+/-0.057 χ^2/NDF: 10477.0/25

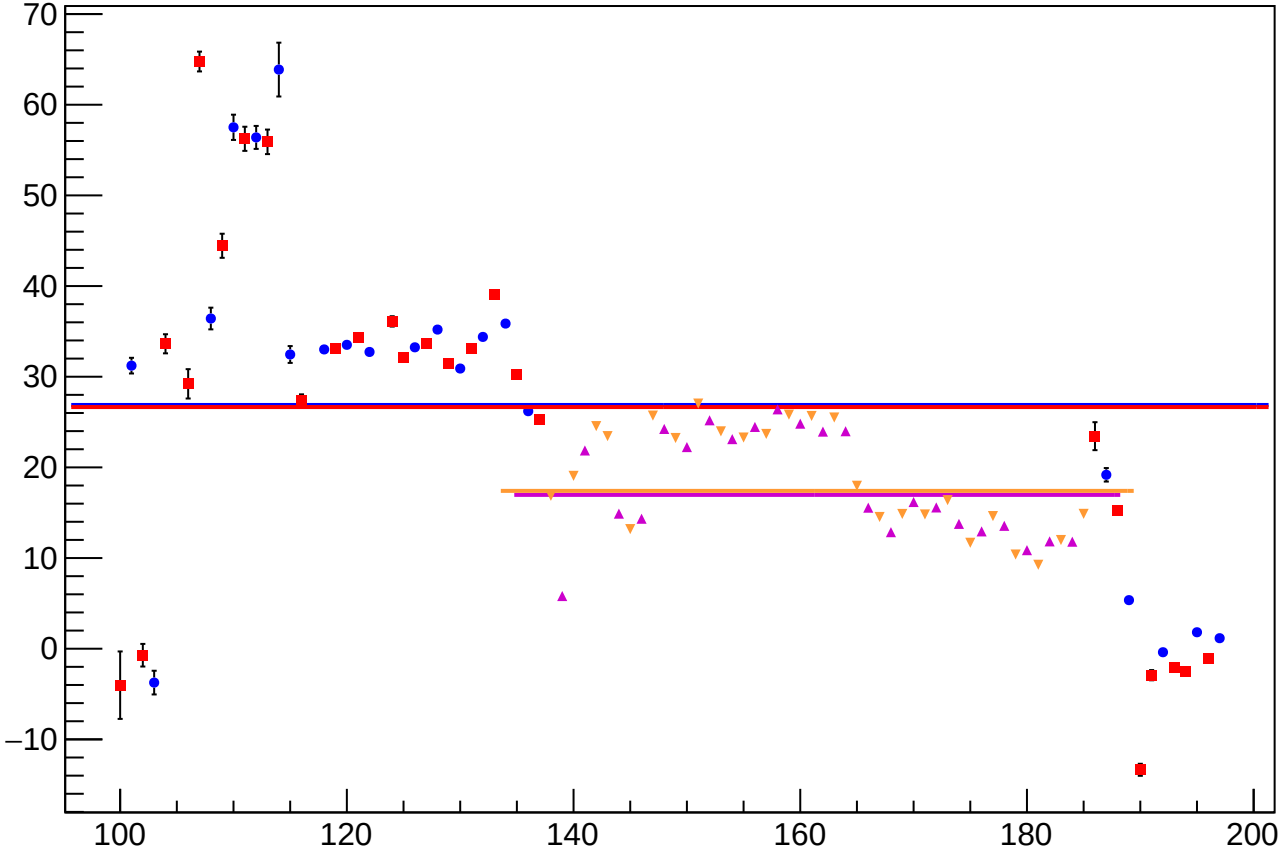
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.978+/-0.026 χ^2/NDF: 24188.6/45

All: -5.092+/-0.018 χ^2/NDF: 48673.2/94

- sign -5.204+/-0.025 χ^2/NDF: 24445.3/48

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 26.884+/-0.074 χ^2/NDF: 26799.4/20

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 26.654+/-0.071 χ^2/NDF: 40859.4/25

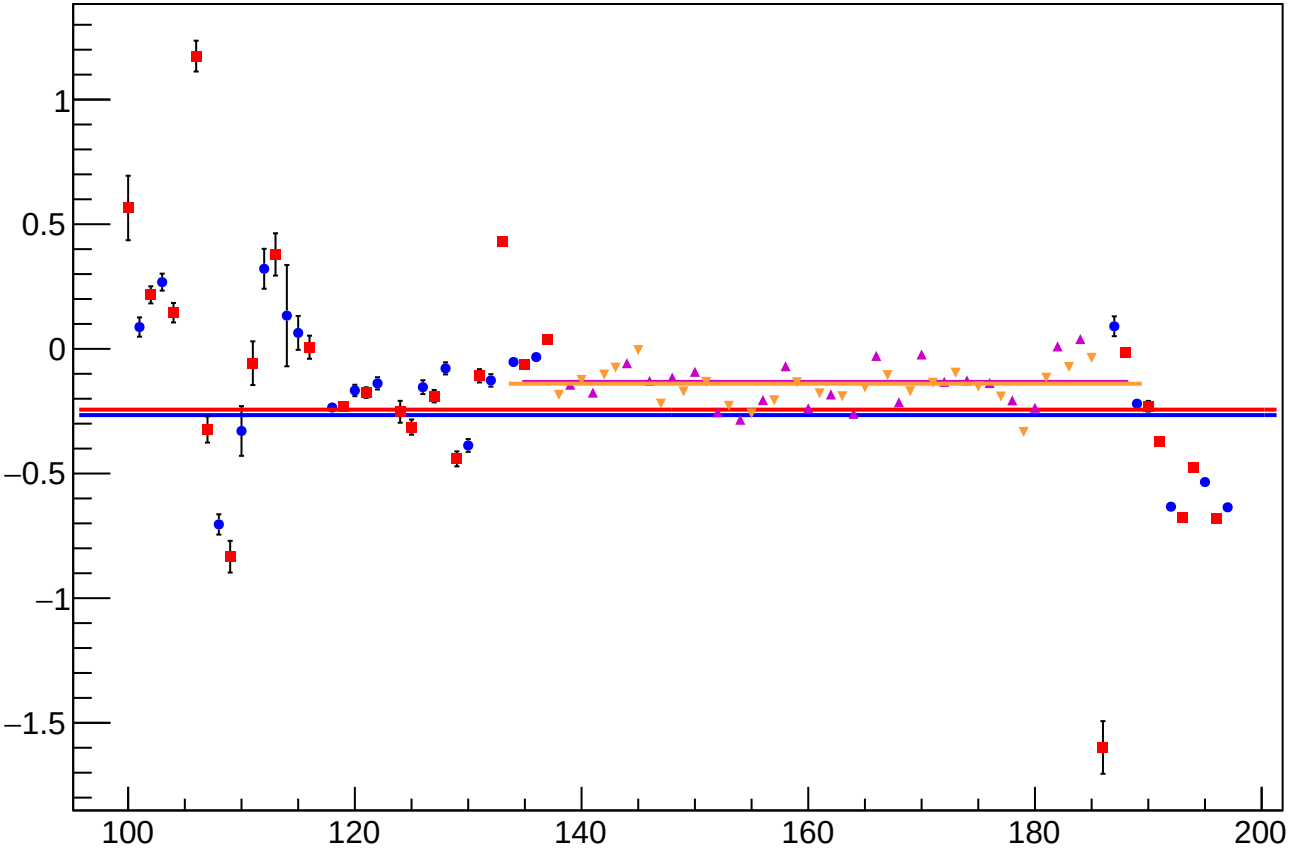
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

\+ sign 18.346+/-0.023 χ^2/NDF: 92281.9/45

All: 18.189+/-0.017 χ^2/NDF: 189596.0/94

\- sign 18.028+/-0.024 χ^2/NDF: 97221.6/48

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.266+/-0.004 χ^2/NDF: 5061.5/20

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.244+/-0.004 χ^2/NDF: 8317.4/25

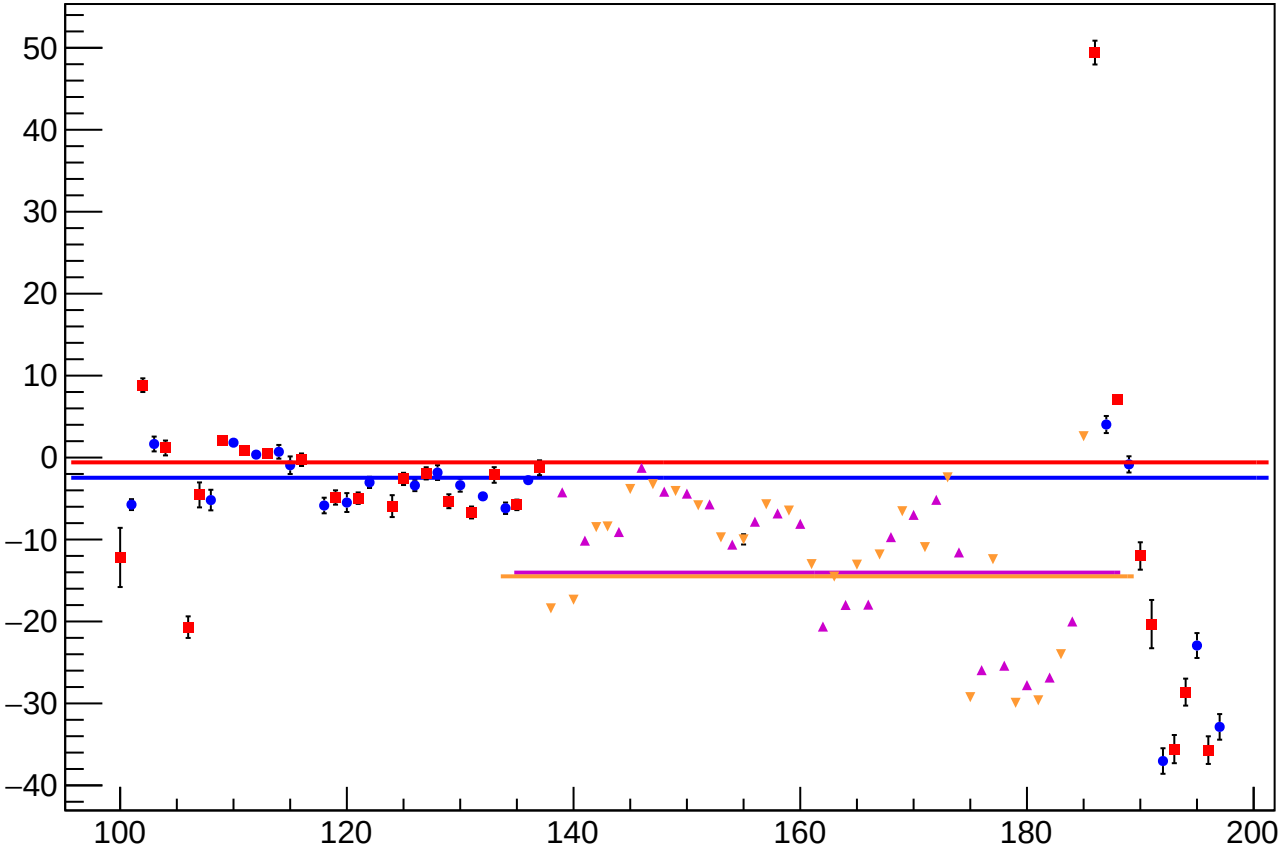
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.150+/-0.001 χ^2/NDF: 10235.1/45

All: -0.146+/-0.001 χ^2/NDF: 24991.5/94

- sign -0.142+/-0.001 χ^2/NDF: 14731.6/48

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -2.463+/-0.151 χ^2/NDF: 1410.0/20

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -0.585+/-0.140 χ^2/NDF: 3355.8/25

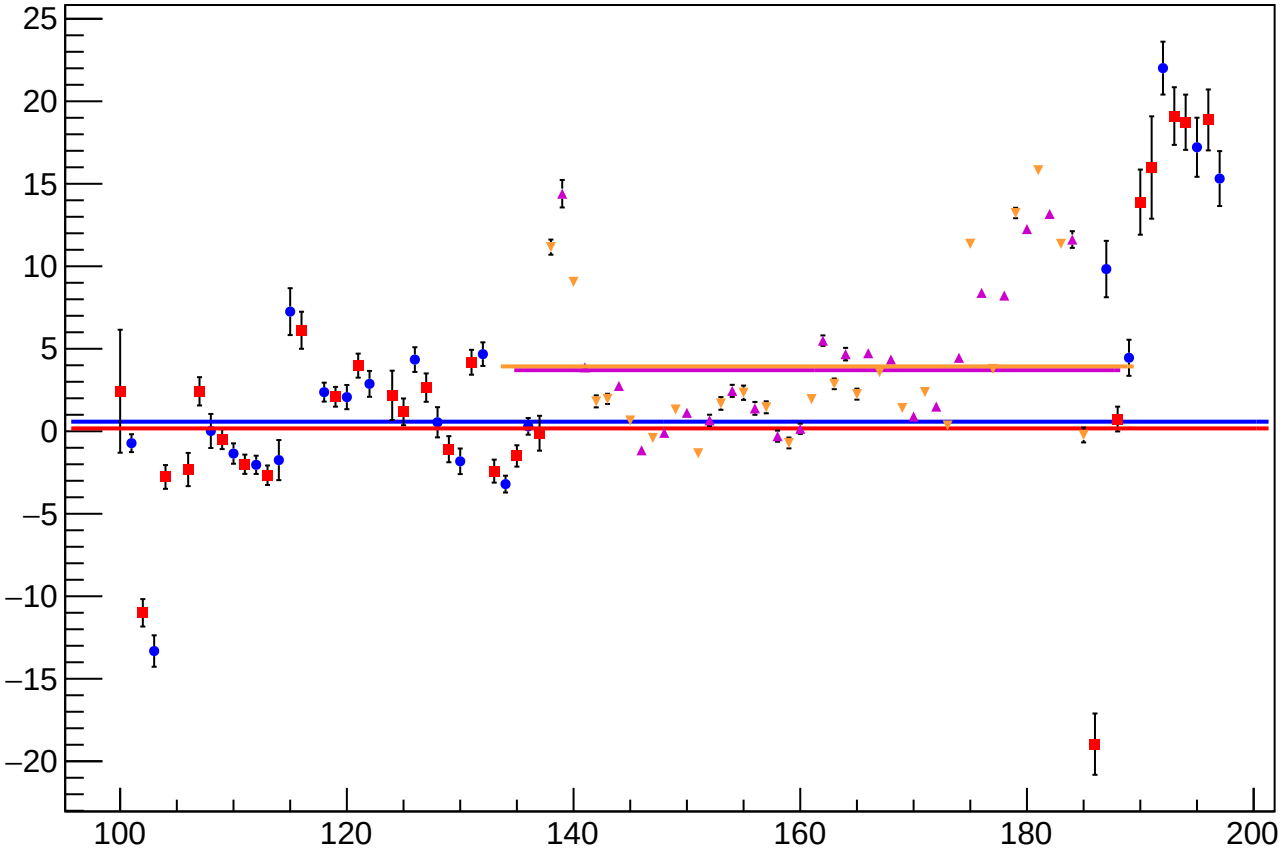
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.132+/-0.067 χ^2/NDF: 23726.2/45

All: -11.532+/-0.048 χ^2/NDF: 47821.9/94

- sign -10.926+/-0.067 χ^2/NDF: 23934.4/48

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.582+/-0.167 χ^2/NDF: 807.3/20

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.174+/-0.168 χ^2/NDF: 901.4/25

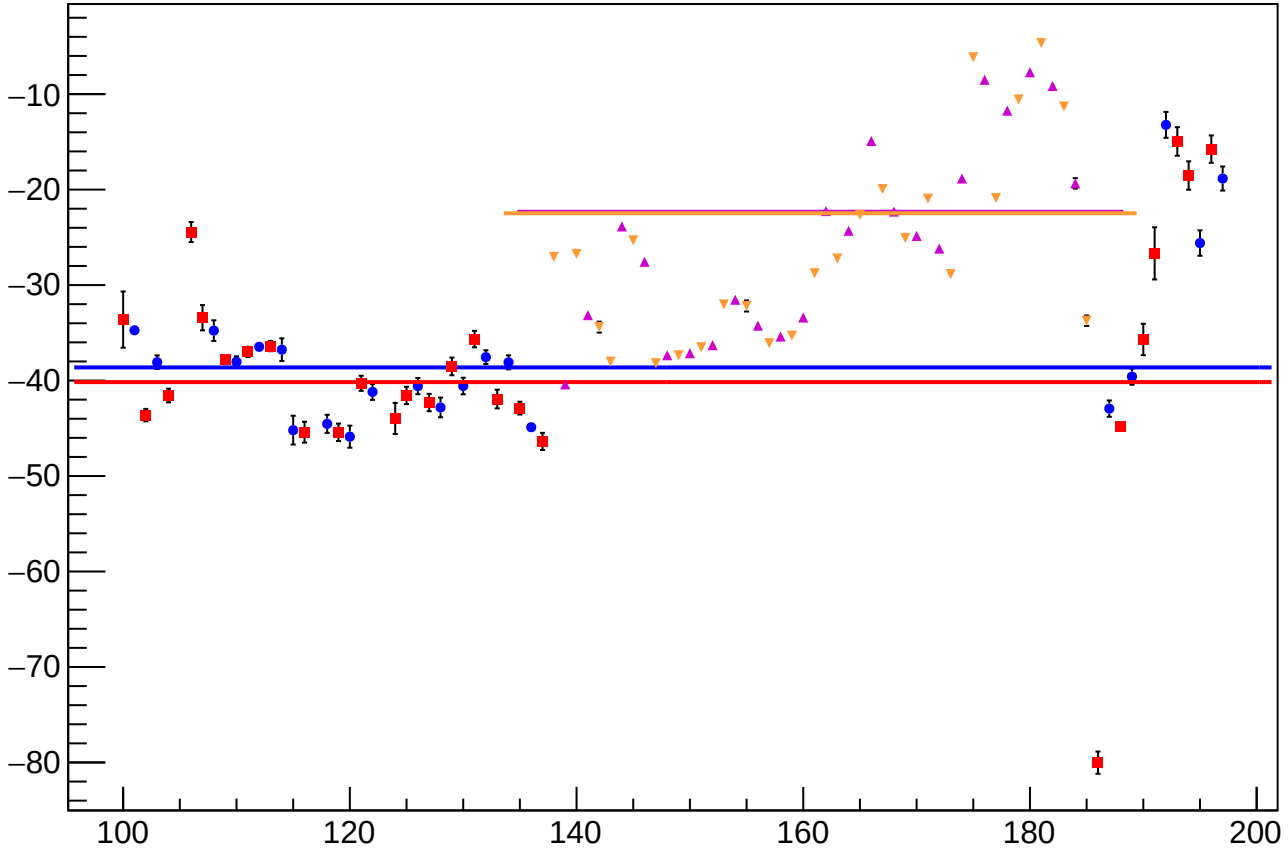
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

\+ sign 3.574+/-0.055 χ^2/NDF: 8143.9/45

All: 3.447+/-0.039 χ^2/NDF: 14235.5/94

\- sign 3.314+/-0.056 χ^2/NDF: 6080.6/48

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -38.626+/-0.168 χ^2/NDF: 1152.0/20

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -40.162+/-0.161 χ^2/NDF: 2665.4/25

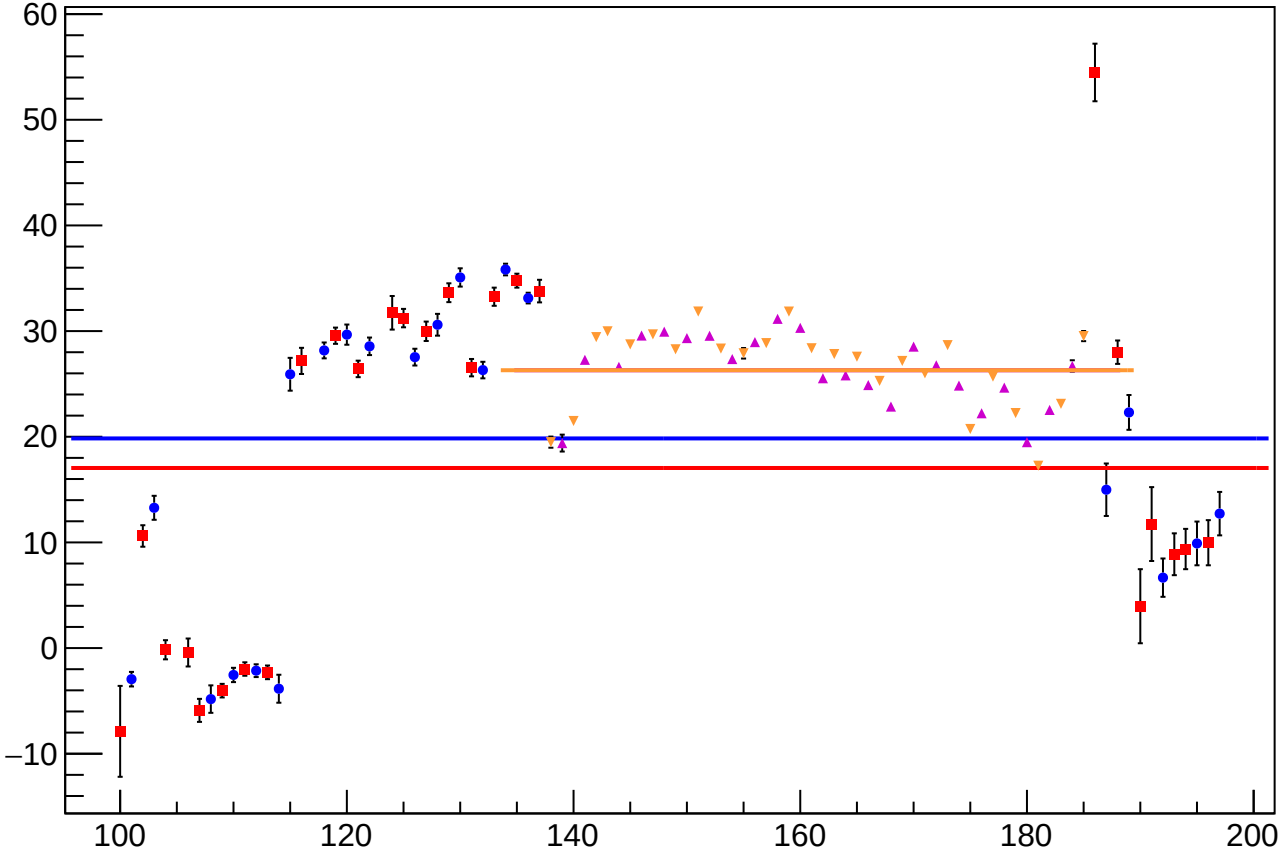
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.138+/-0.068 χ^2/NDF: 29251.6/45

All: -25.374+/-0.049 χ^2/NDF: 59090.3/94

- sign -25.614+/-0.069 χ^2/NDF: 29814.7/48

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.841+/-0.190 χ^2/NDF: 6780.8/20

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 17.044+/-0.193 χ^2/NDF: 7087.9/25

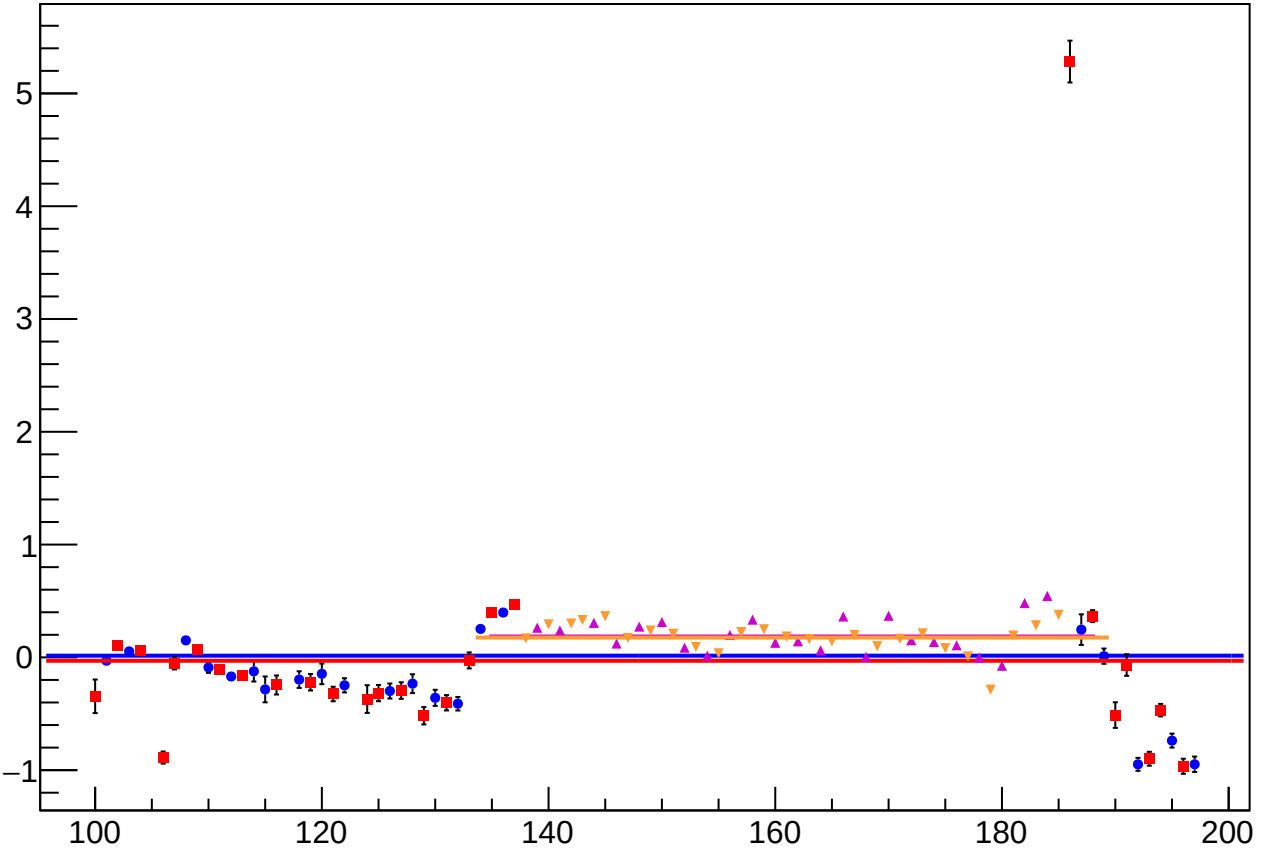
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.618+/-0.062 χ^2/NDF: 11120.9/45

All: 25.465+/-0.044 χ^2/NDF: 22465.1/94

- sign 25.304+/-0.063 χ^2/NDF: 11331.4/48

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.015+/-0.010 χ^2/NDF: 1242.9/20

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.030+/-0.010 χ^2/NDF: 2199.7/25

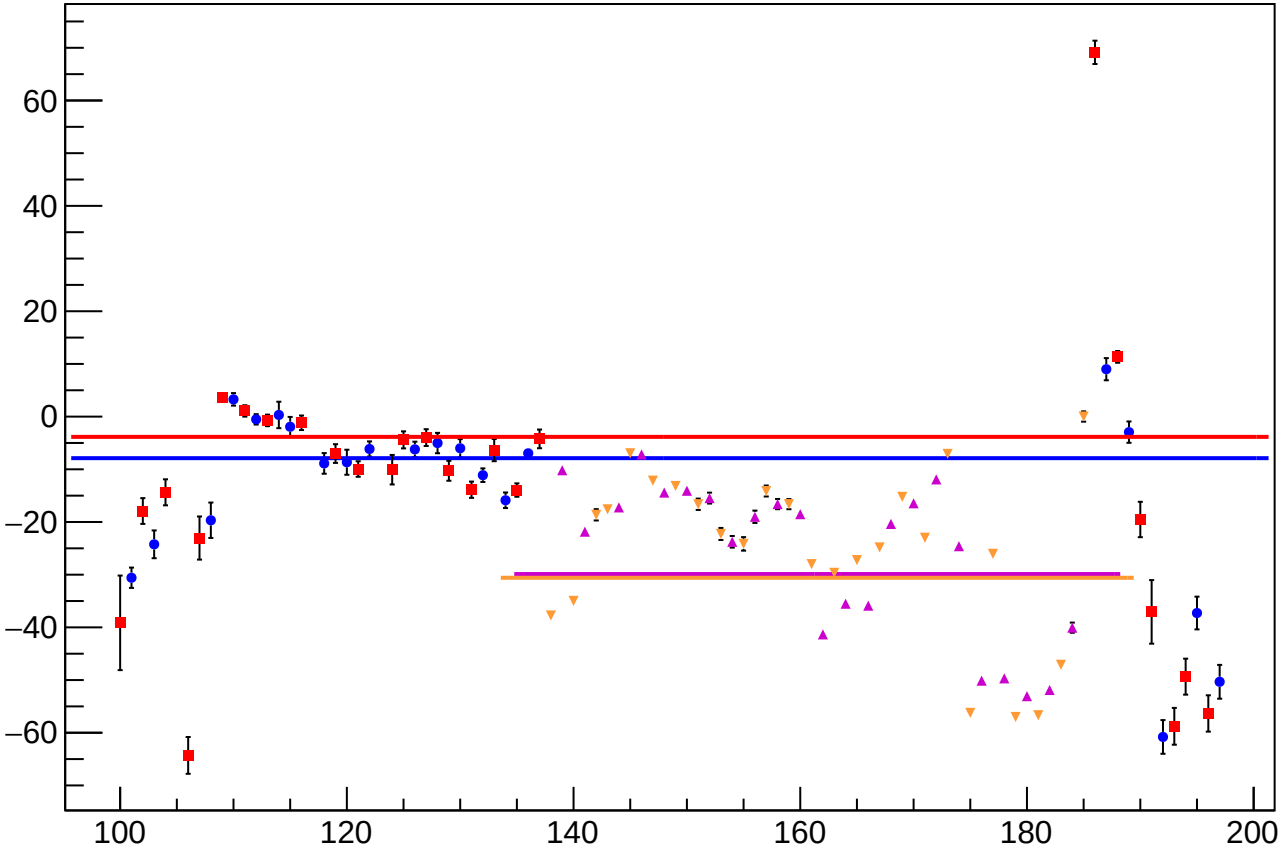
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.163+/-0.003 χ^2/NDF: 3421.9/45

All: 0.165+/-0.002 χ^2/NDF: 8571.9/94

- sign 0.168+/-0.003 χ^2/NDF: 5148.2/48

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -7.885+/-0.357 χ^2/NDF: 1006.1/20

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -3.845+/-0.339 χ^2/NDF: 2607.5/25

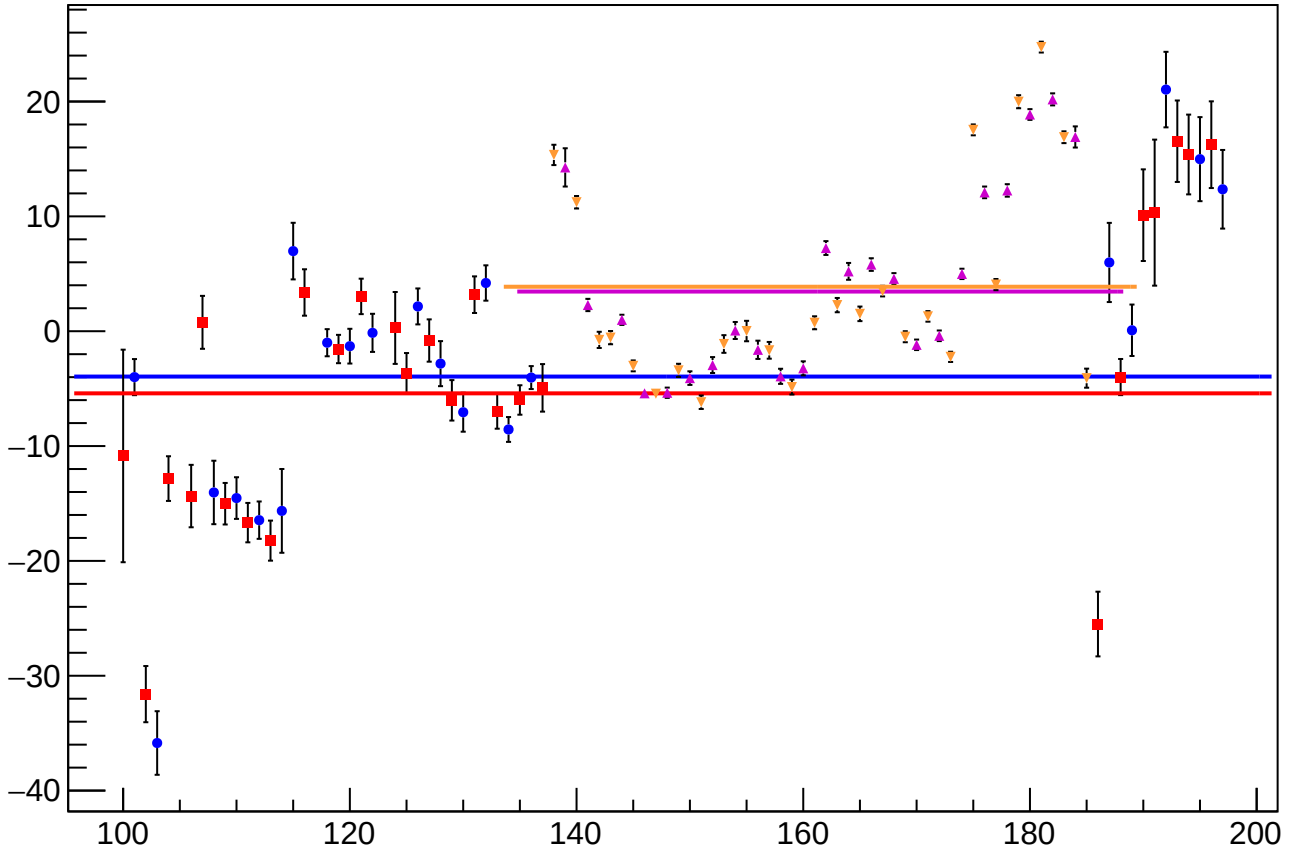
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

\+ sign -27.478+/-0.132 χ^2/NDF: 20546.4/45

All: -26.646+/-0.094 χ^2/NDF: 40252.3/94

\- sign -25.786+/-0.134 χ^2/NDF: 19625.2/48

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.949+/-0.380 χ^2/NDF: 467.6/20

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

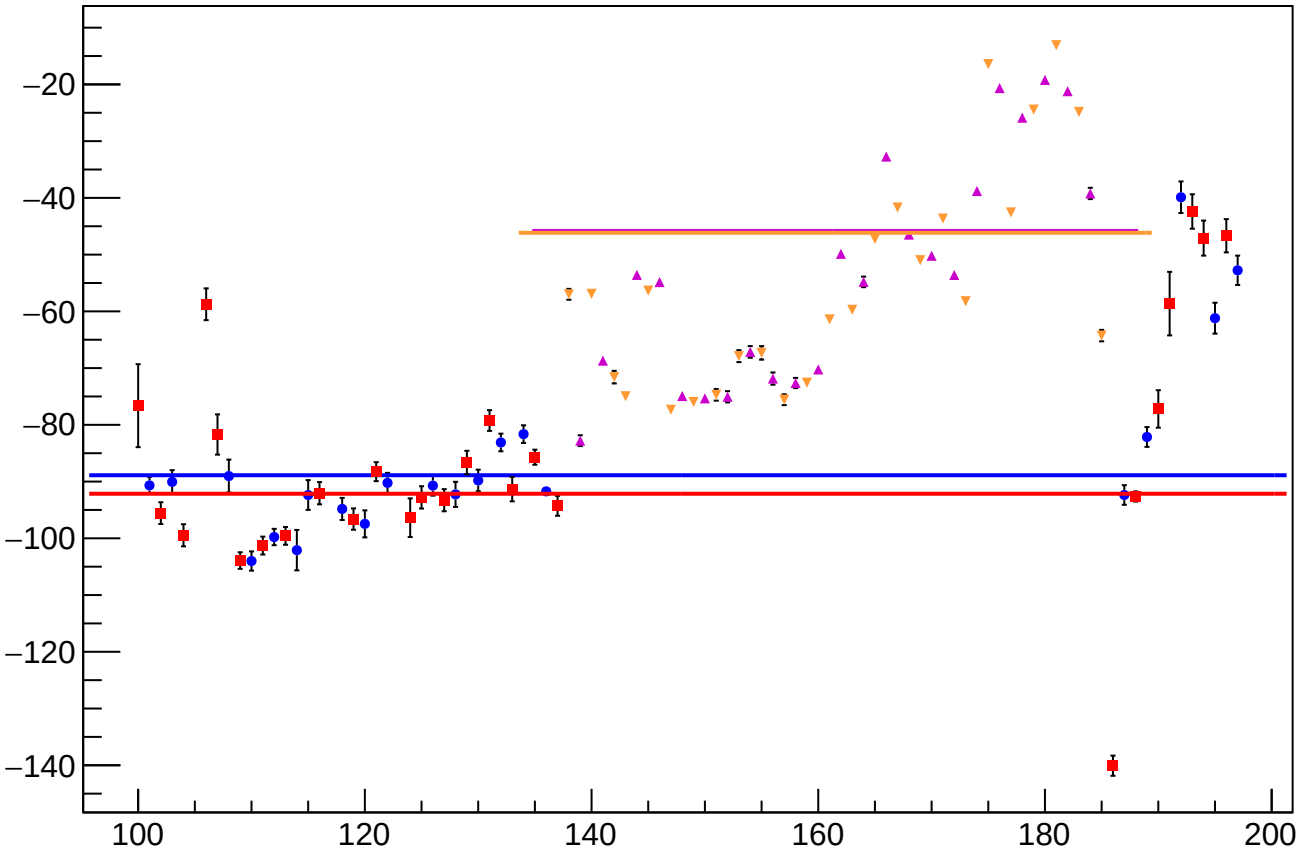
Right Out: -5.411+/-0.389 χ^2/NDF: 552.4/25

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.255+/-0.107 χ^2/NDF: 7400.4/45

All: 3.011+/-0.076 χ^2/NDF: 13136.0/94

- sign 2.755+/-0.109 χ^2/NDF: 5724.9/48



Right In: -88.885+/-0.388 χ^2/NDF: 854.3/20

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -92.144+/-0.373 χ^2/NDF: 1894.5/25

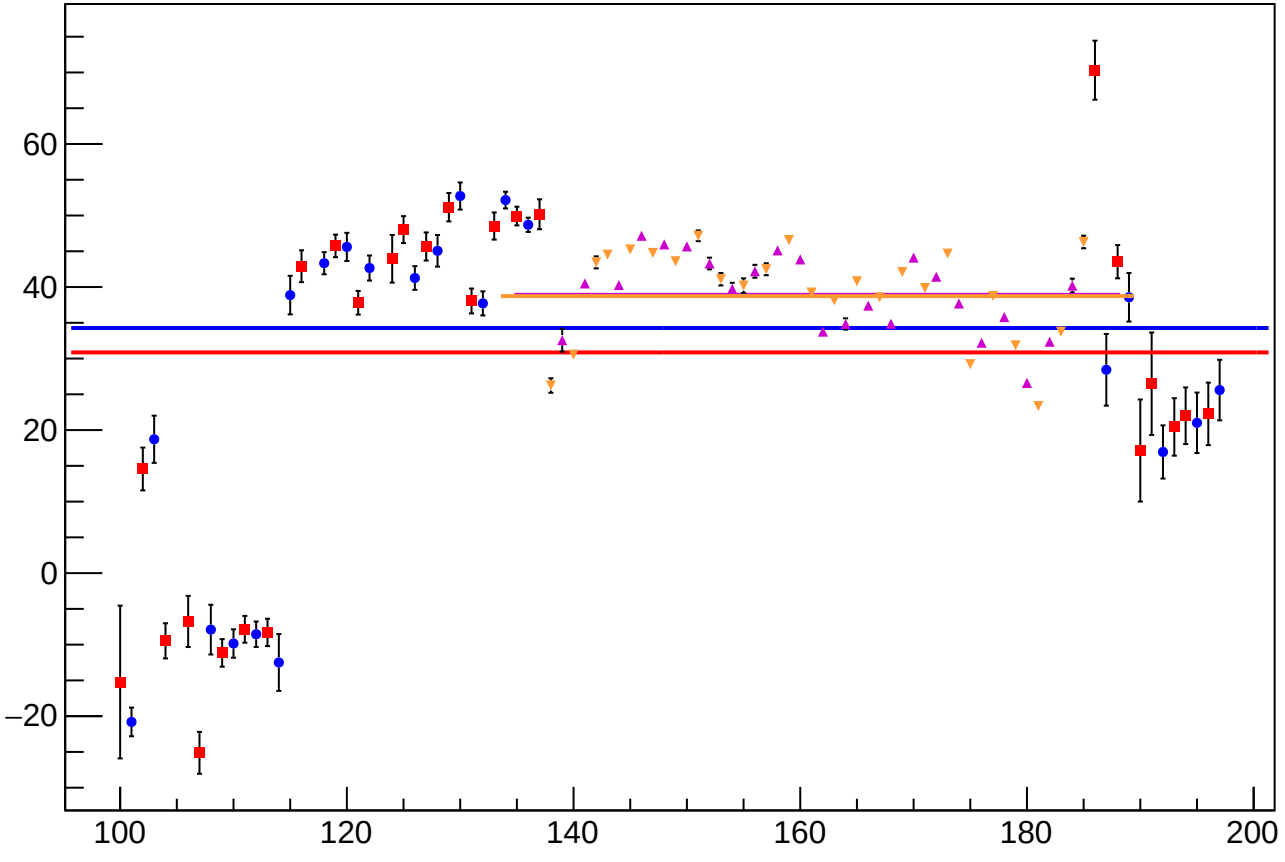
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.224+/-0.134 χ^2/NDF: 32993.9/45

All: -51.601+/-0.095 χ^2/NDF: 66205.0/94

- sign -51.991+/-0.136 χ^2/NDF: 33194.9/48

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.273+/-0.429 χ^2/NDF: 2848.9/20

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.857+/-0.445 χ^2/NDF: 3053.5/25

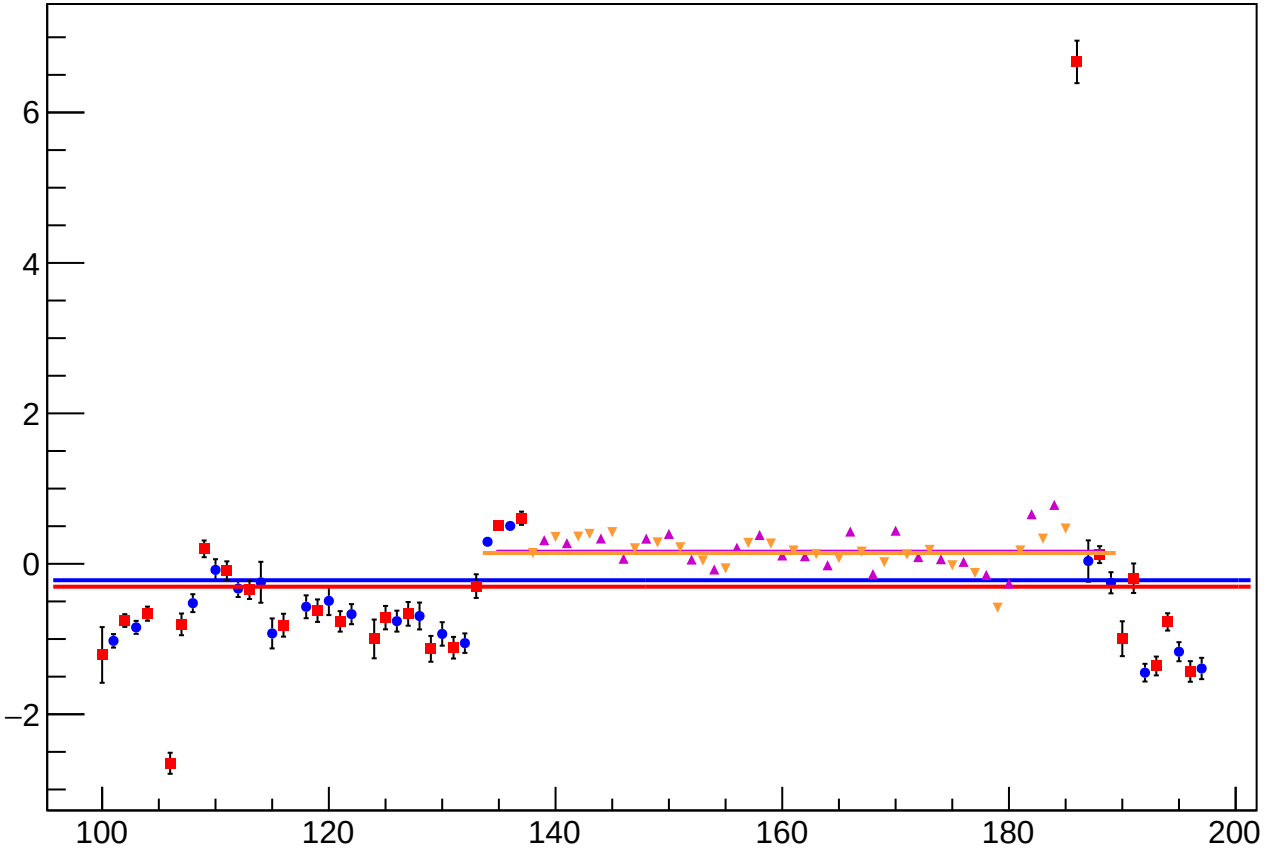
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.384+/-0.120 χ^2/NDF: 5730.1/45

All: 38.341+/-0.086 χ^2/NDF: 11057.5/94

- sign 38.295+/-0.123 χ^2/NDF: 5327.1/48

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.218+/-0.022 χ^2/NDF: 890.3/20

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

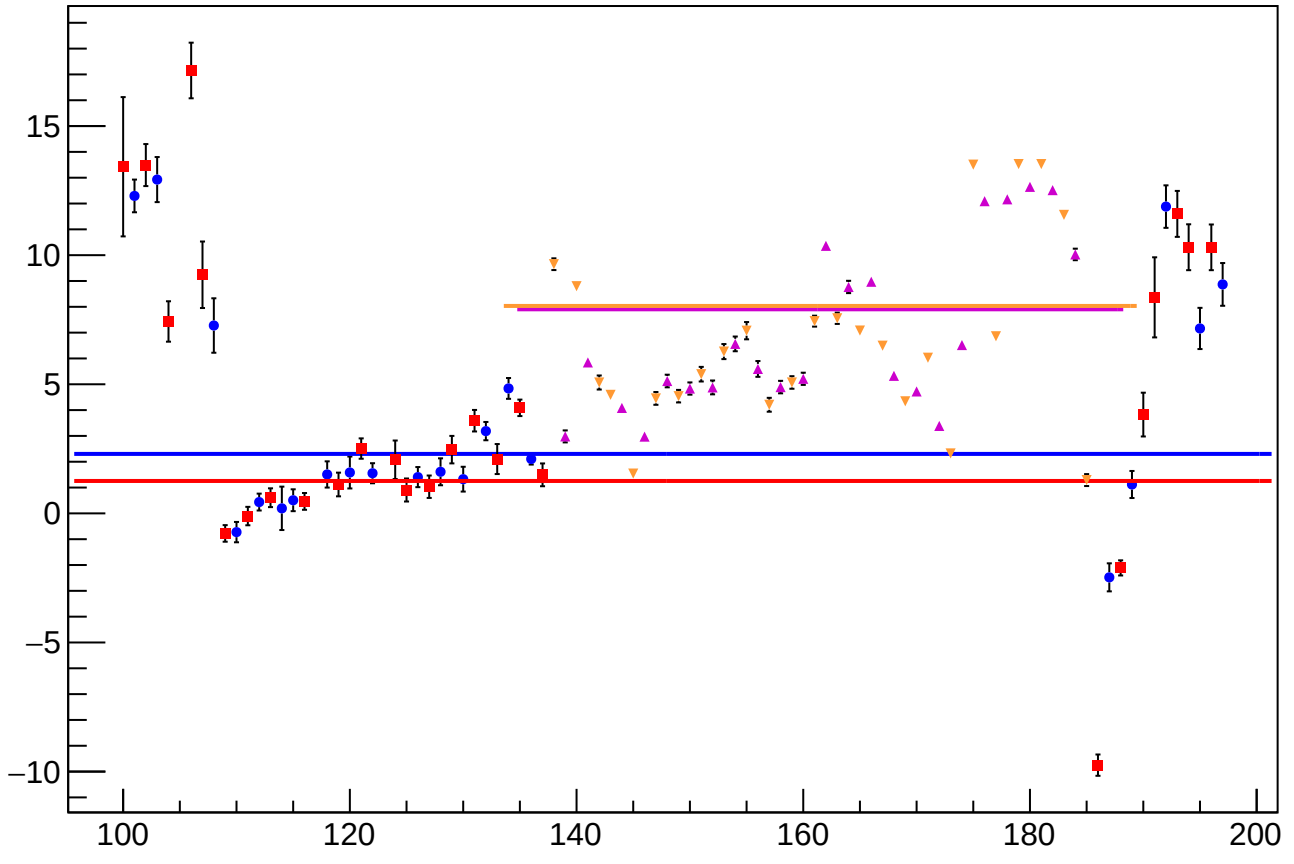
Right Out: -0.304+/-0.024 χ^2/NDF: 1613.2/25

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.123+/-0.005 χ^2/NDF: 2577.5/45

All: 0.129+/-0.004 χ^2/NDF: 6475.2/94

- sign 0.136+/-0.006 χ^2/NDF: 3894.7/48



Right In: 2.303+/-0.099 χ^2/NDF: 918.7/20

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.255+/-0.094 χ^2/NDF: 1976.0/25

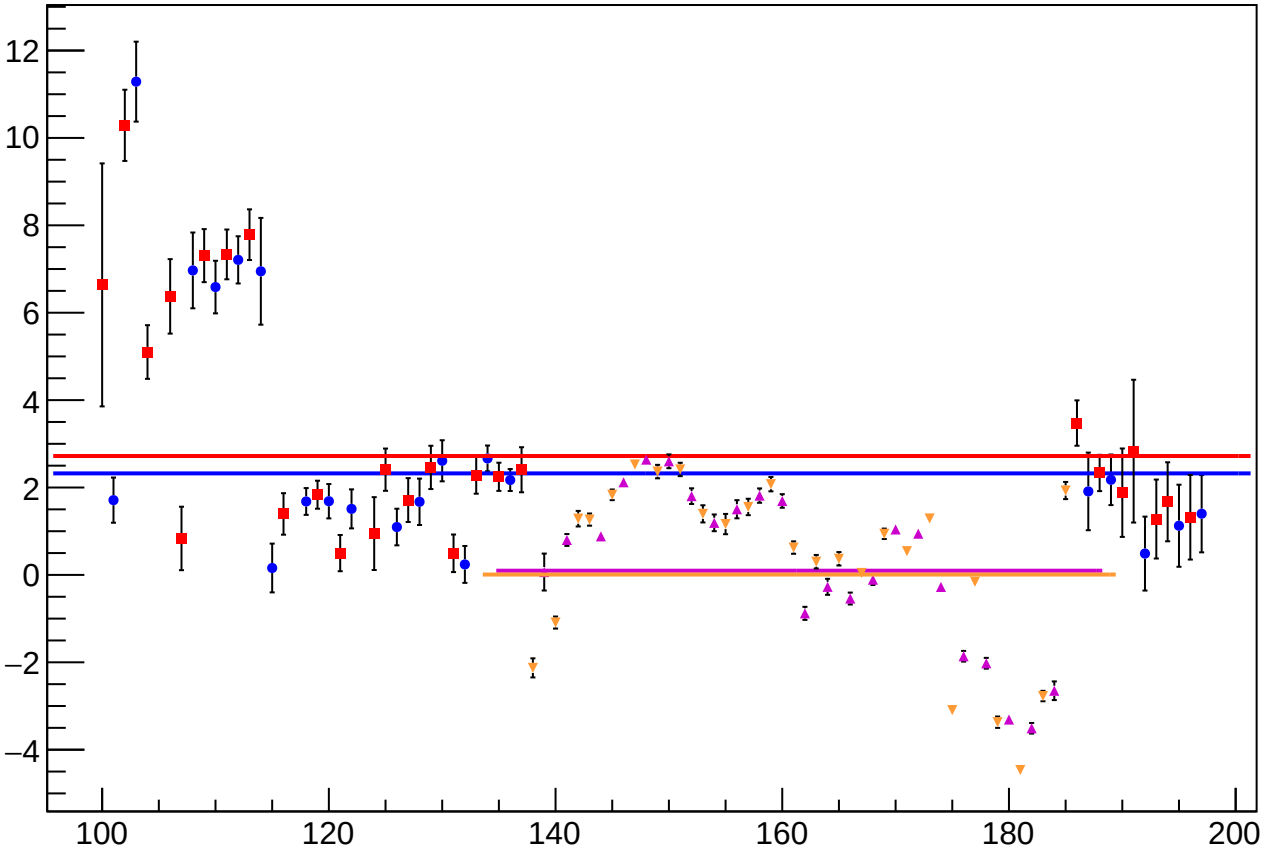
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.405+/-0.033 χ^2/NDF: 17832.9/45

All: 7.237+/-0.023 χ^2/NDF: 34242.6/94

- sign 7.062+/-0.033 χ^2/NDF: 16356.0/48

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.323+/-0.104 χ^2/NDF: 342.0/20

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.721+/-0.106 χ^2/NDF: 420.9/25

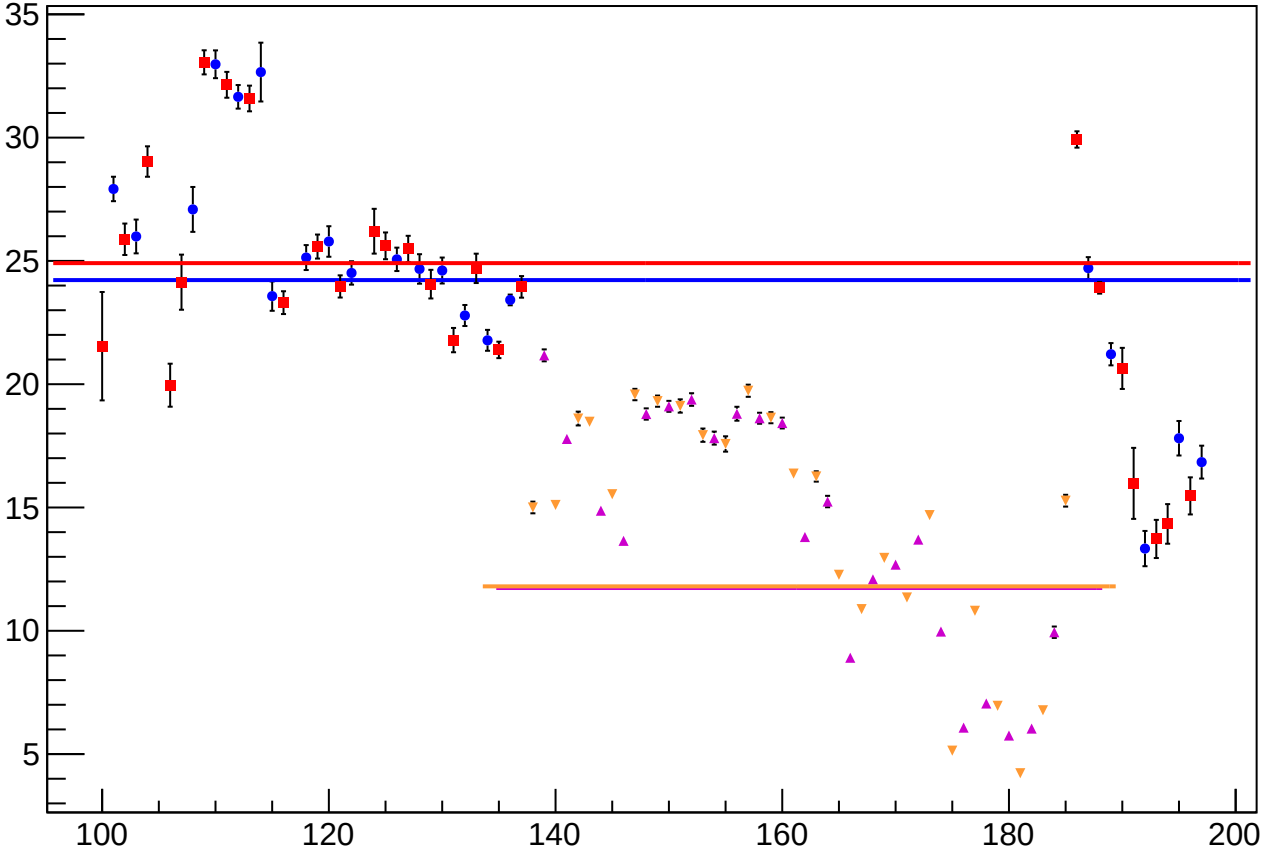
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.161+/-0.027 χ^2/NDF: 6570.0/45

All: 0.213+/-0.019 χ^2/NDF: 12003.9/94

- sign 0.268+/-0.027 χ^2/NDF: 5425.9/48

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 24.222+/-0.106 χ^2/NDF: 1162.0/20

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

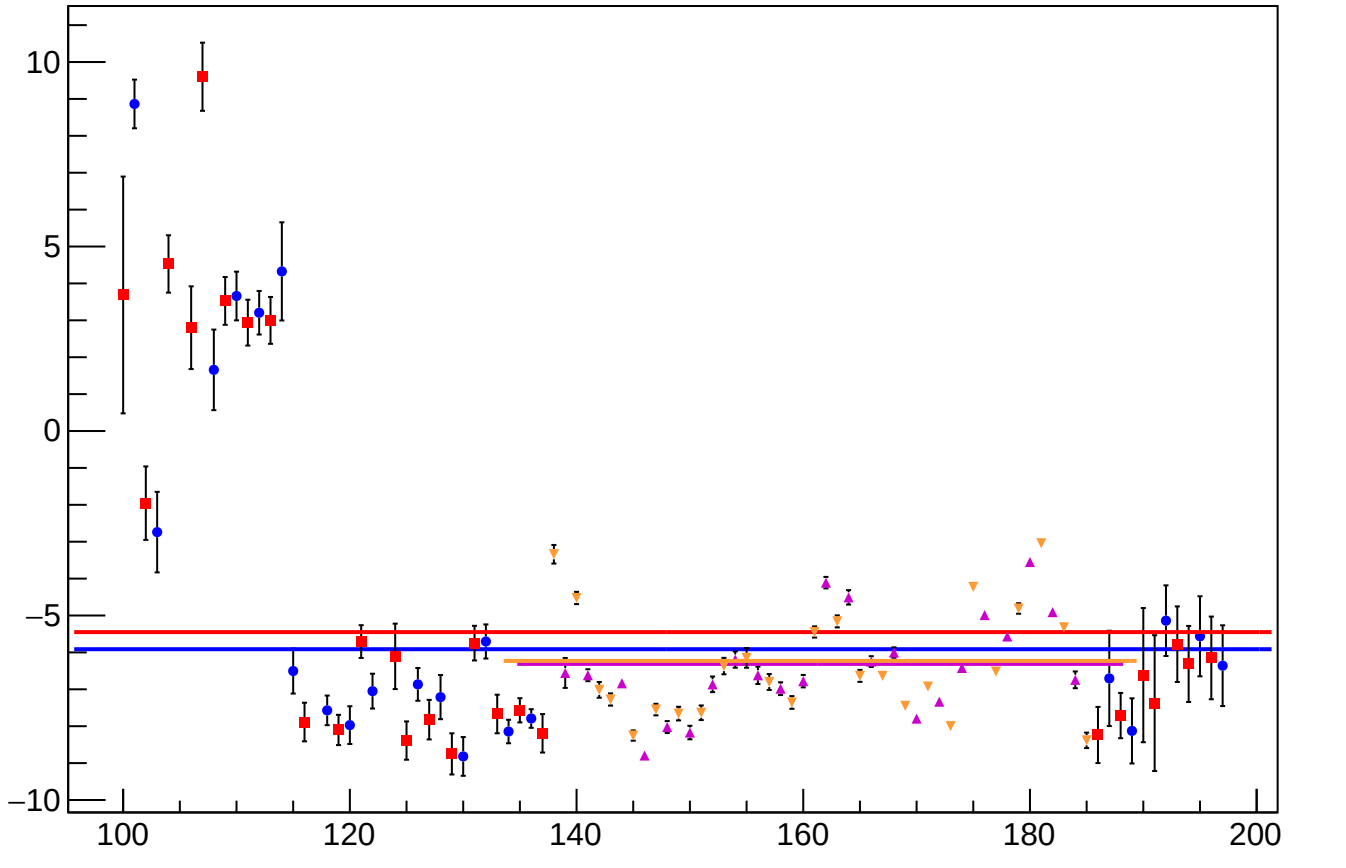
Right Out: 24.910+/-0.101 χ^2/NDF: 1747.5/25

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.008+/-0.033 χ^2/NDF: 34976.5/45

All: 13.111+/-0.024 χ^2/NDF: 69978.3/94

- sign 13.218+/-0.034 χ^2/NDF: 34982.0/48



Right In: -5.913+/-0.117 χ^2/NDF: 1259.1/20

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

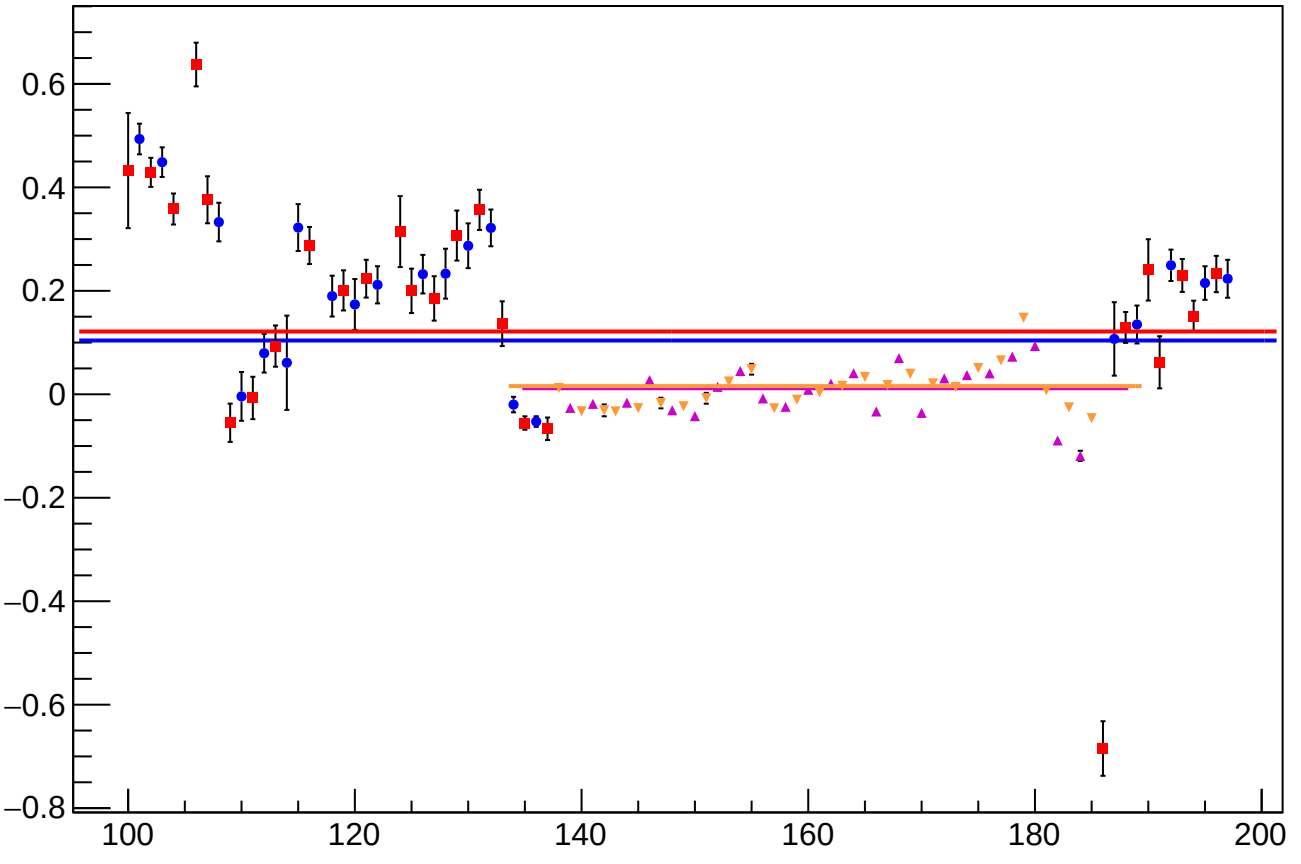
Right Out: -5.449+/-0.122 χ^2/NDF: 1324.7/25

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.210+/-0.030 χ^2/NDF: 3716.1/45

All: -6.233+/-0.021 χ^2/NDF: 7119.0/94

- sign -6.257+/-0.030 χ^2/NDF: 3401.7/48



Right In: 0.104+/-0.006 χ^2/NDF: 820.2/20

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.121+/-0.006 χ^2/NDF: 1023.9/25

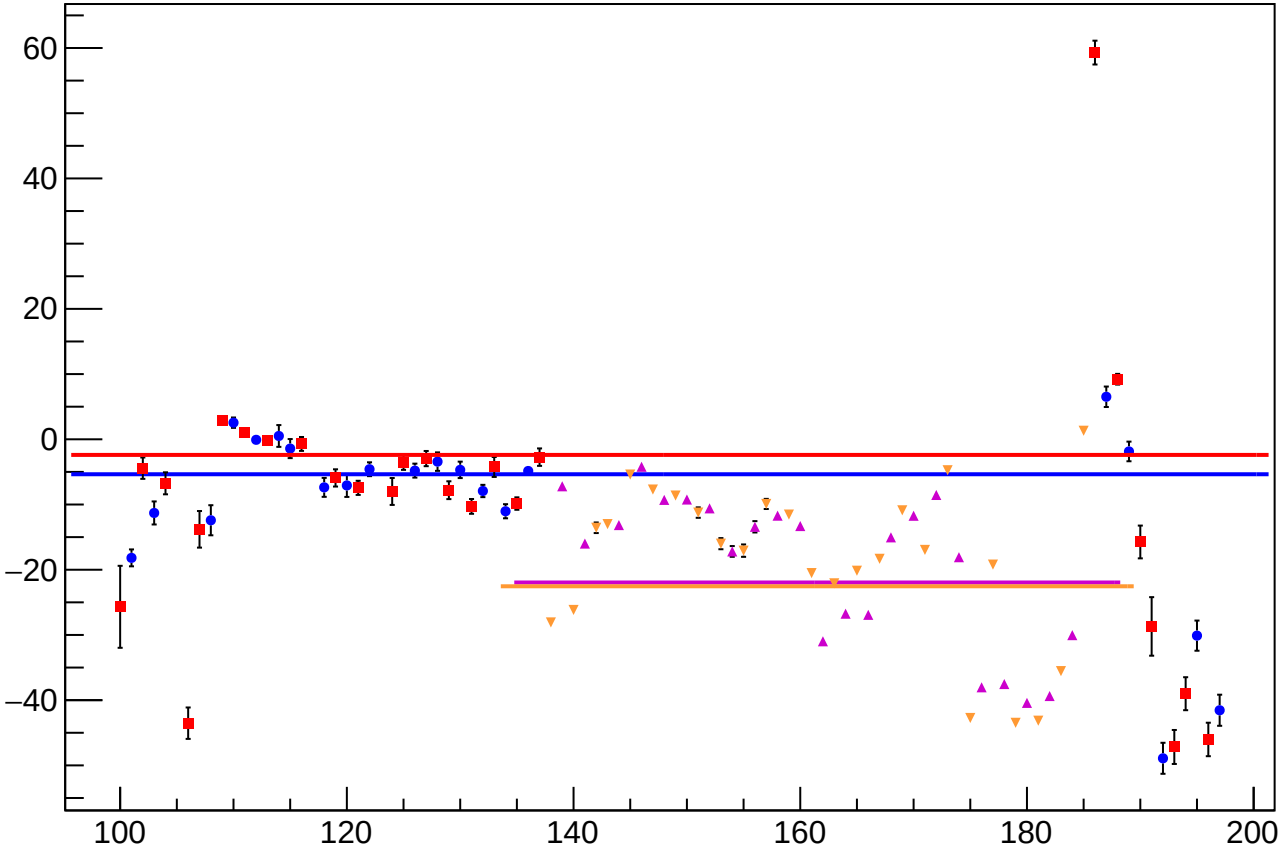
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.020+/-0.001 χ^2/NDF: 1951.4/45

All: 0.018+/-0.001 χ^2/NDF: 4548.4/94

- sign 0.017+/-0.001 χ^2/NDF: 2593.8/48

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -5.359+/-0.256 χ^2/NDF: 1086.0/20

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -2.394+/-0.242 χ^2/NDF: 2793.3/25

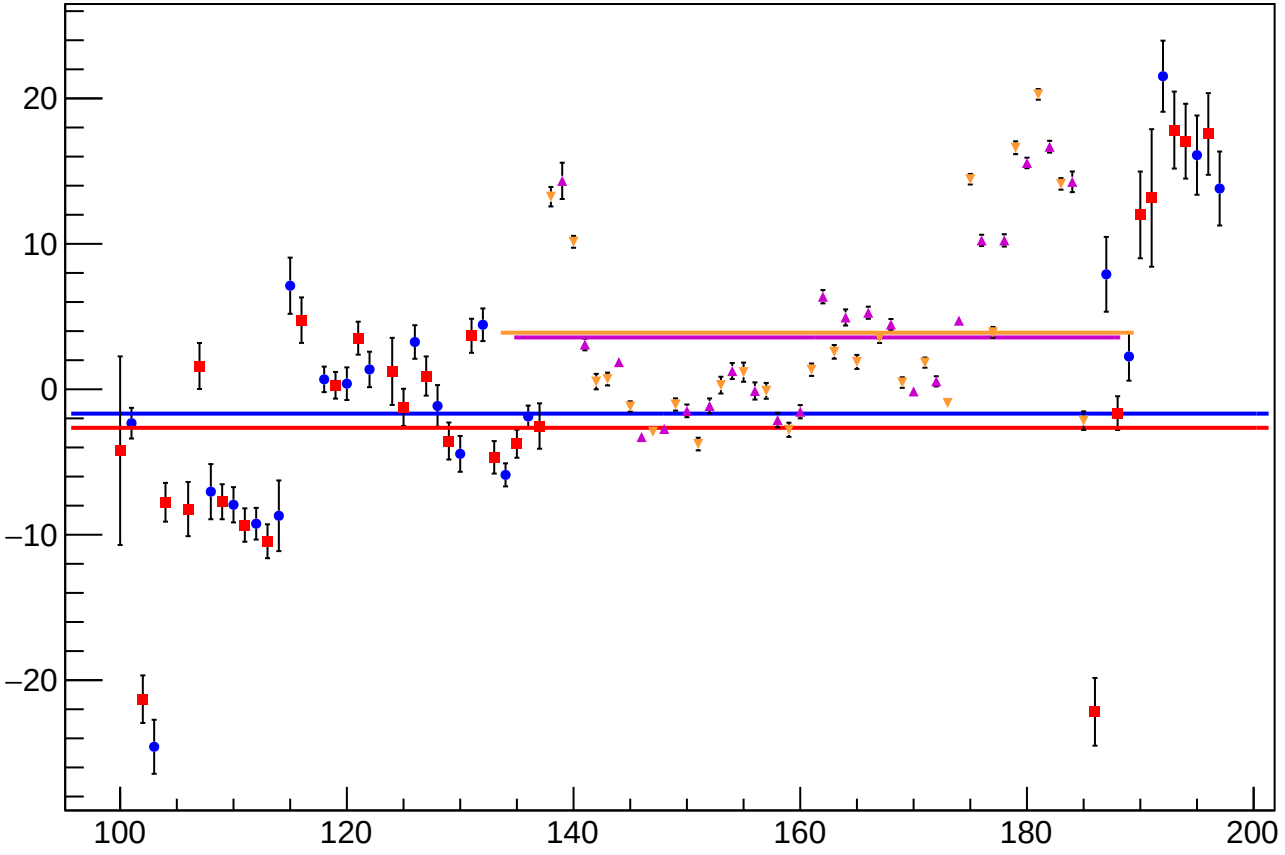
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.937+/-0.100 χ^2/NDF: 21449.7/45

All: -19.247+/-0.071 χ^2/NDF: 42339.9/94

- sign -18.537+/-0.101 χ^2/NDF: 20792.6/48

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.673+/-0.275 χ^2/NDF: 551.9/20

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

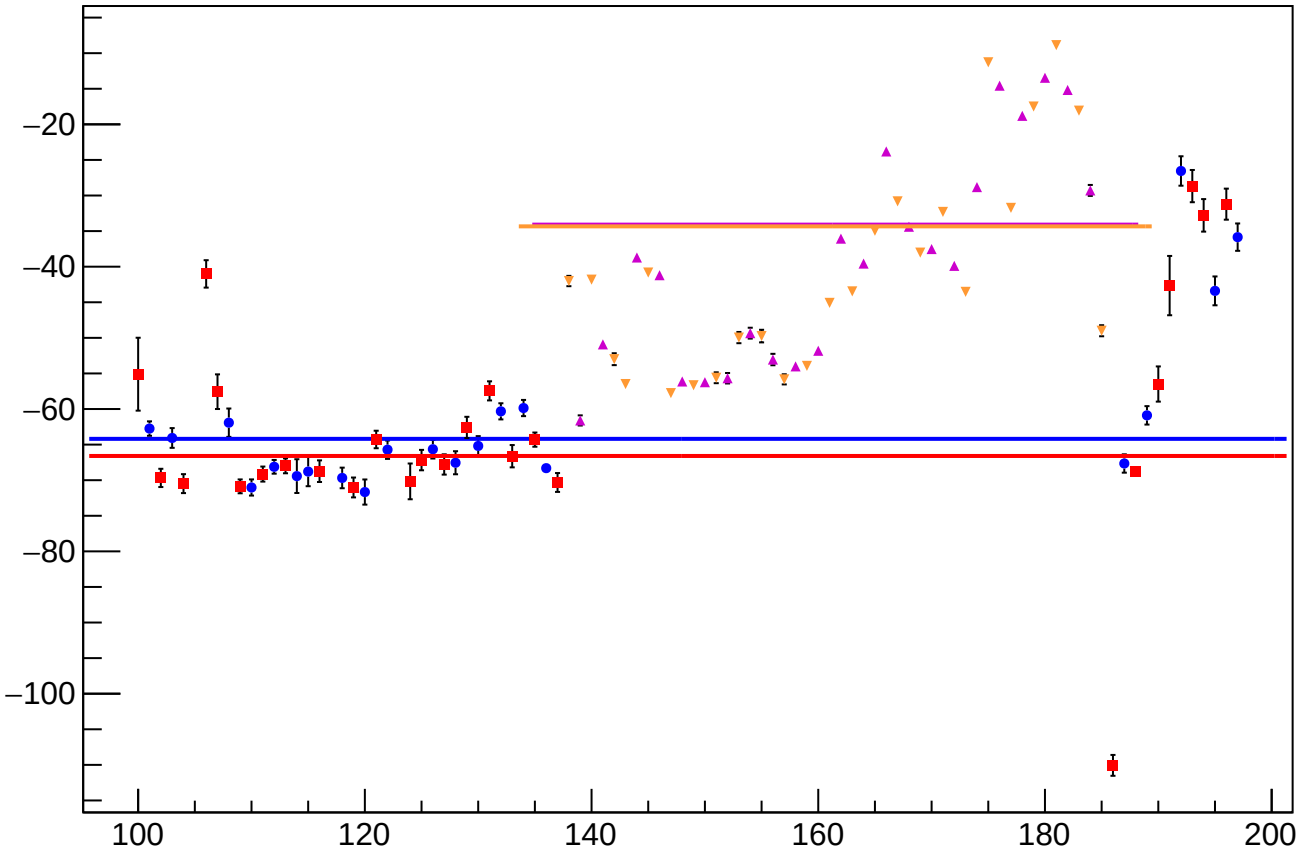
Right Out: -2.648+/-0.281 χ^2/NDF: 642.0/25

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.414+/-0.081 χ^2/NDF: 7650.1/45

All: 3.226+/-0.058 χ^2/NDF: 13490.9/94

- sign 3.029+/-0.082 χ^2/NDF: 5829.7/48



Right In: -64.191+/-0.280 χ^2/NDF: 839.7/20

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -66.596+/-0.269 χ^2/NDF: 2022.8/25

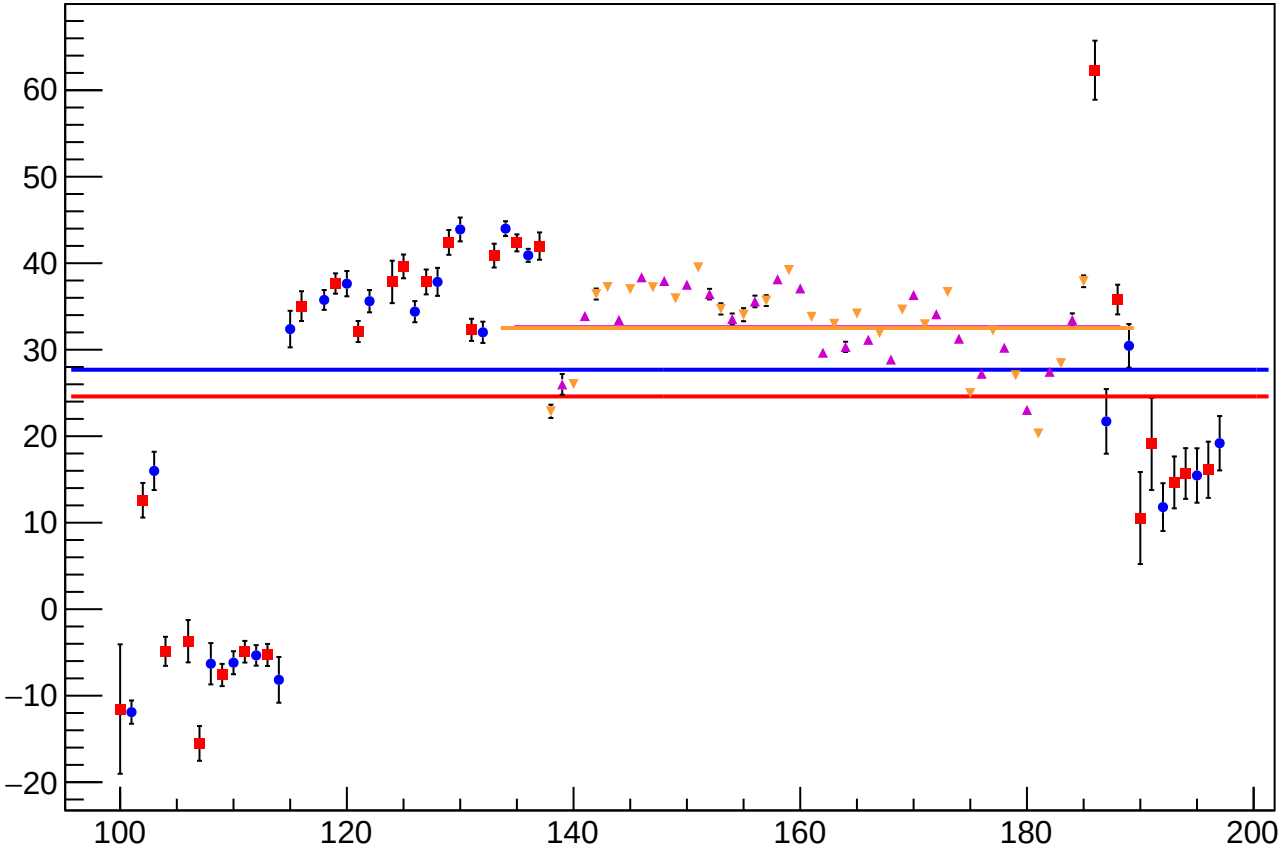
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.215+/-0.101 χ^2/NDF: 31924.6/45

All: -38.508+/-0.072 χ^2/NDF: 64155.6/94

- sign -38.811+/-0.103 χ^2/NDF: 32213.8/48

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.686+/-0.311 χ^2/NDF: 3788.6/20

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

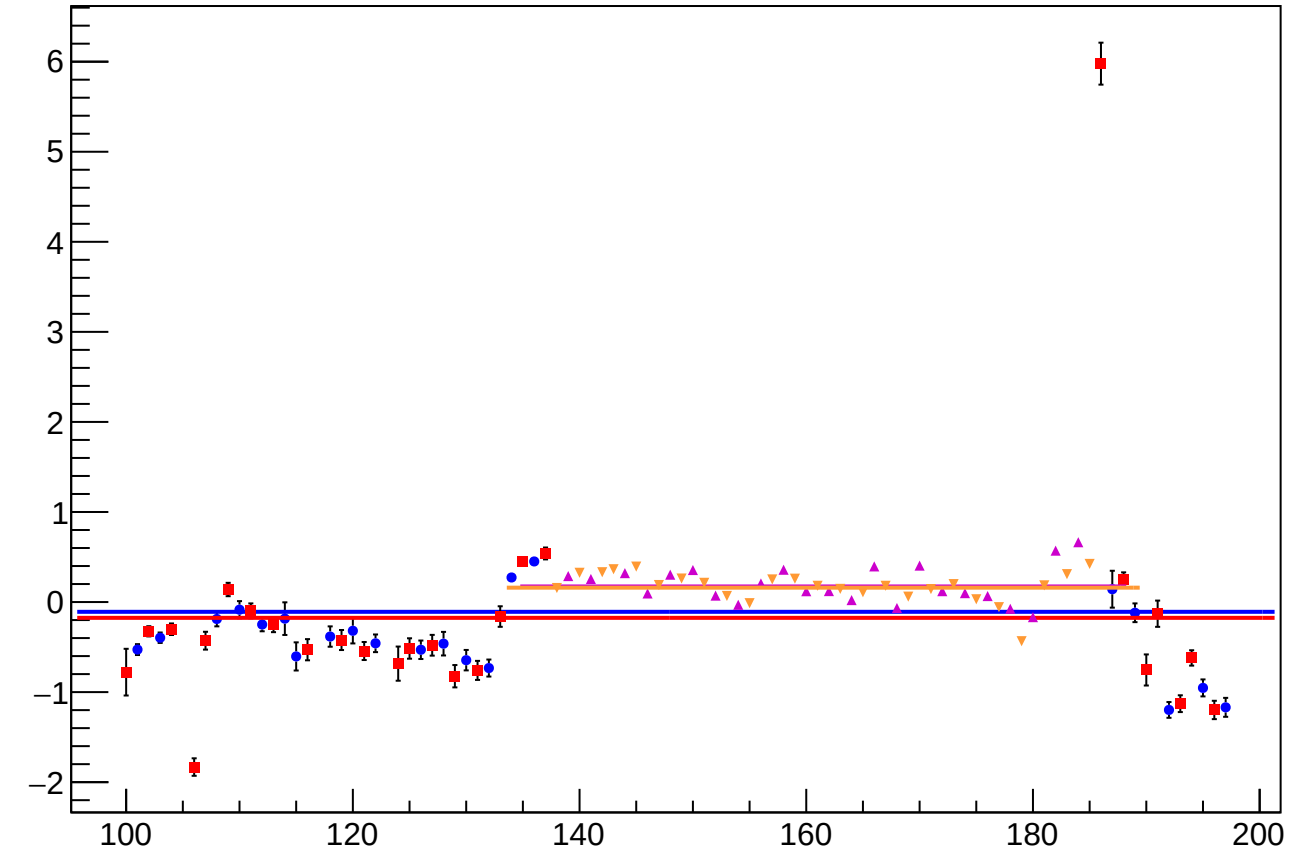
Right Out: 24.597+/-0.321 χ^2/NDF: 4042.8/25

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.103+/-0.090 χ^2/NDF: 6946.8/45

All: 32.020+/-0.065 χ^2/NDF: 13573.4/94

- sign 31.932+/-0.093 χ^2/NDF: 6624.9/48



Right In: -0.108+/-0.016 χ^2/NDF: 958.1/20

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.175+/-0.017 χ^2/NDF: 1790.5/25

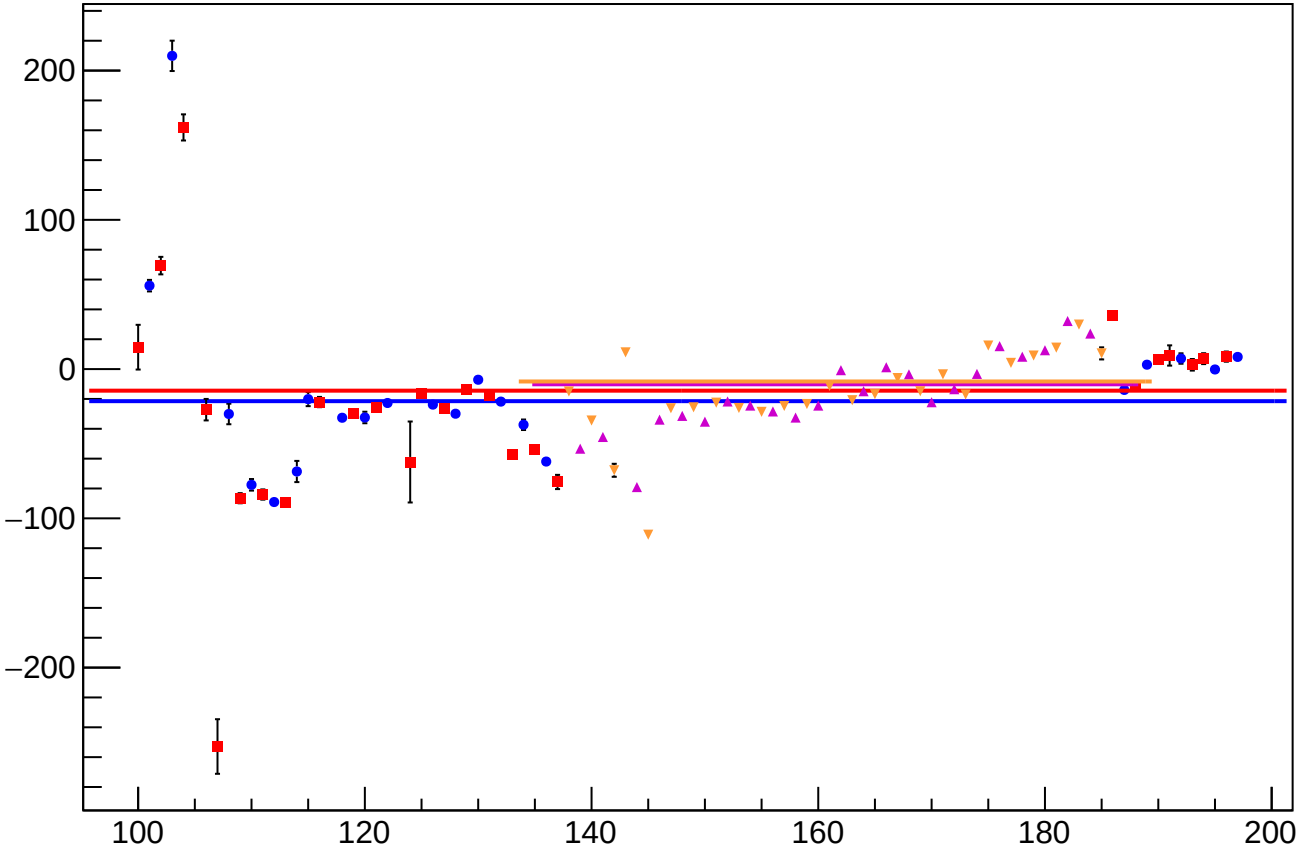
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.143+/-0.004 χ^2/NDF: 2825.6/45

All: 0.147+/-0.003 χ^2/NDF: 7138.4/94

- sign 0.152+/-0.004 χ^2/NDF: 4310.1/48

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -21.486+/-0.679 χ^2/NDF: 2390.0/20

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -14.457+/-0.593 χ^2/NDF: 4043.6/25

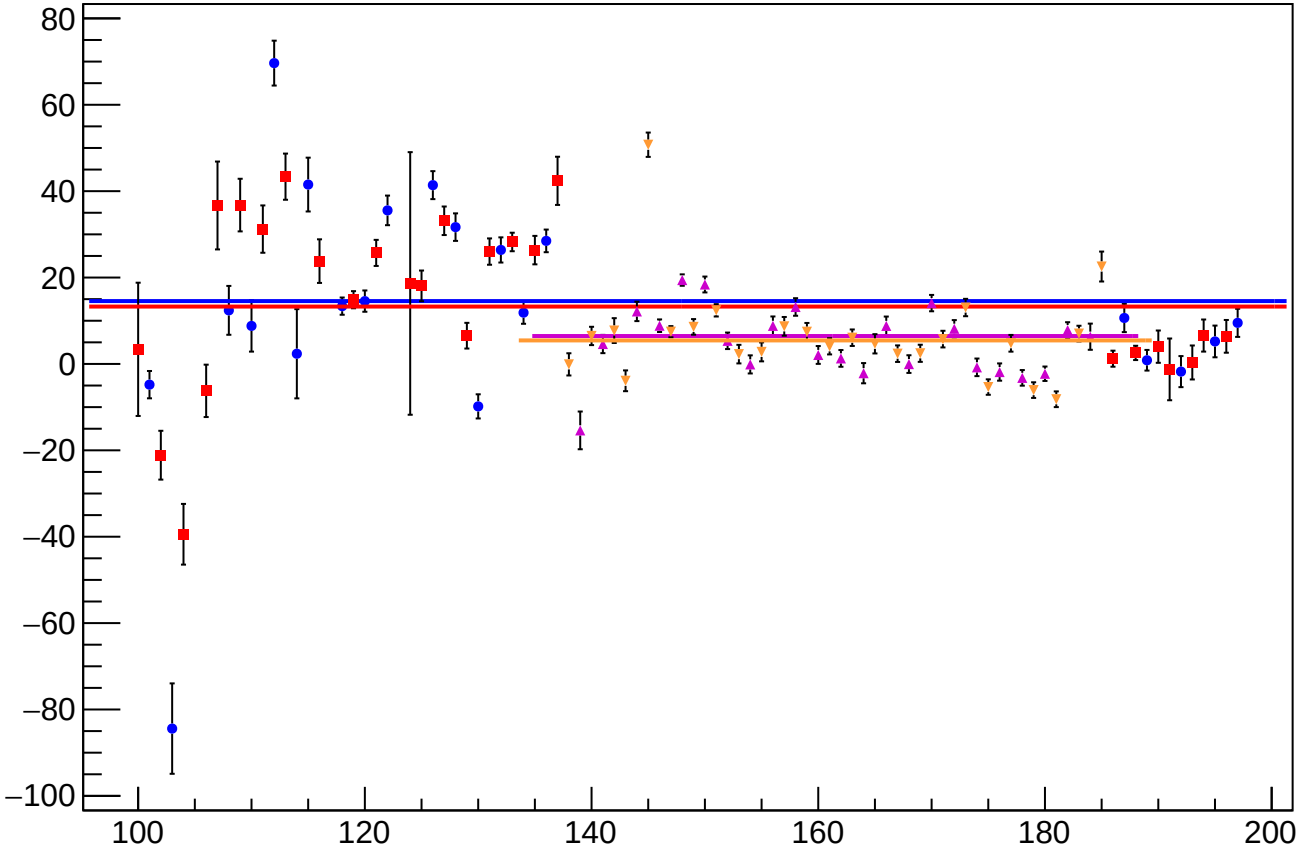
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -13.098+/-0.410 χ^2/NDF: 5189.6/45

All: -12.561+/-0.284 χ^2/NDF: 11784.0/94

- sign -12.066+/-0.394 χ^2/NDF: 6591.1/48

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 14.551+/-0.709 χ^2/NDF: 581.6/20

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 13.283+/-0.662 χ^2/NDF: 452.8/25

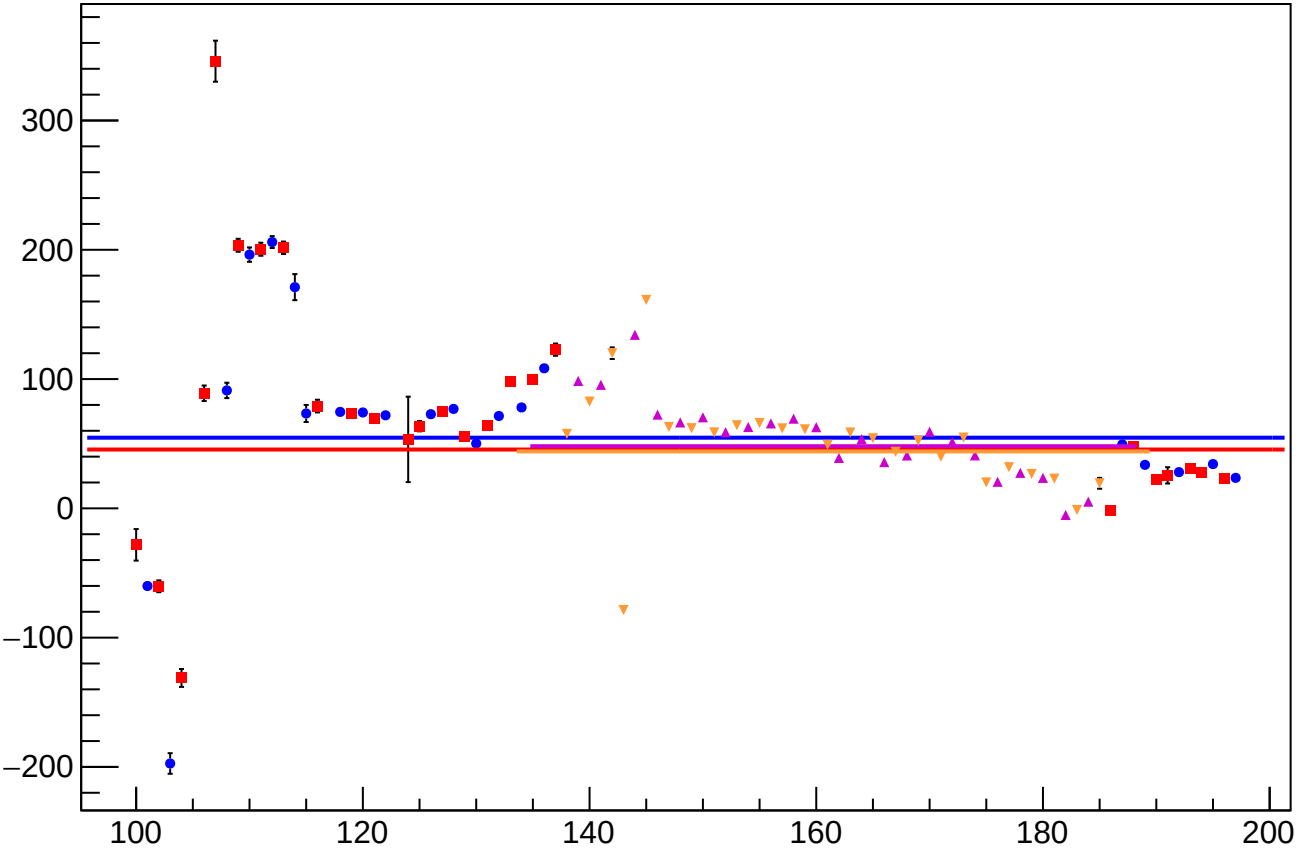
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.596+/-0.344 χ^2/NDF: 1201.5/45

All: 7.963+/-0.245 χ^2/NDF: 2069.5/94

- sign 8.338+/-0.347 χ^2/NDF: 865.7/48

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 54.659+/-0.668 χ^2/NDF: 5586.9/20

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 45.504+/-0.554 χ^2/NDF: 7522.5/25

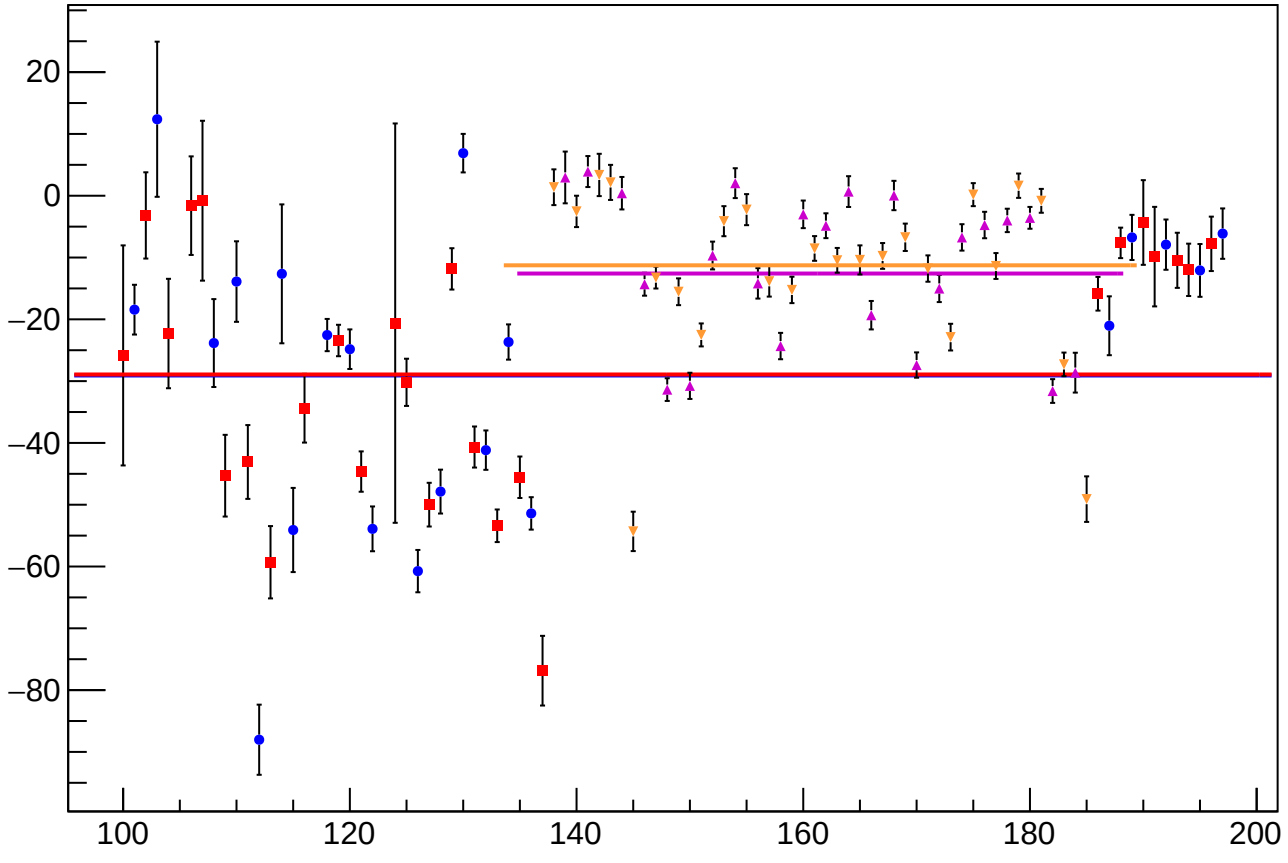
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

\+ sign 47.952+/-0.405 χ^2/NDF: 10310.5/45

All: 47.375+/-0.277 χ^2/NDF: 21224.7/94

\- sign 46.869+/-0.380 χ^2/NDF: 10910.4/48

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -29.085+/-0.839 χ^2/NDF: 654.2/20

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -28.926+/-0.815 χ^2/NDF: 527.6/25

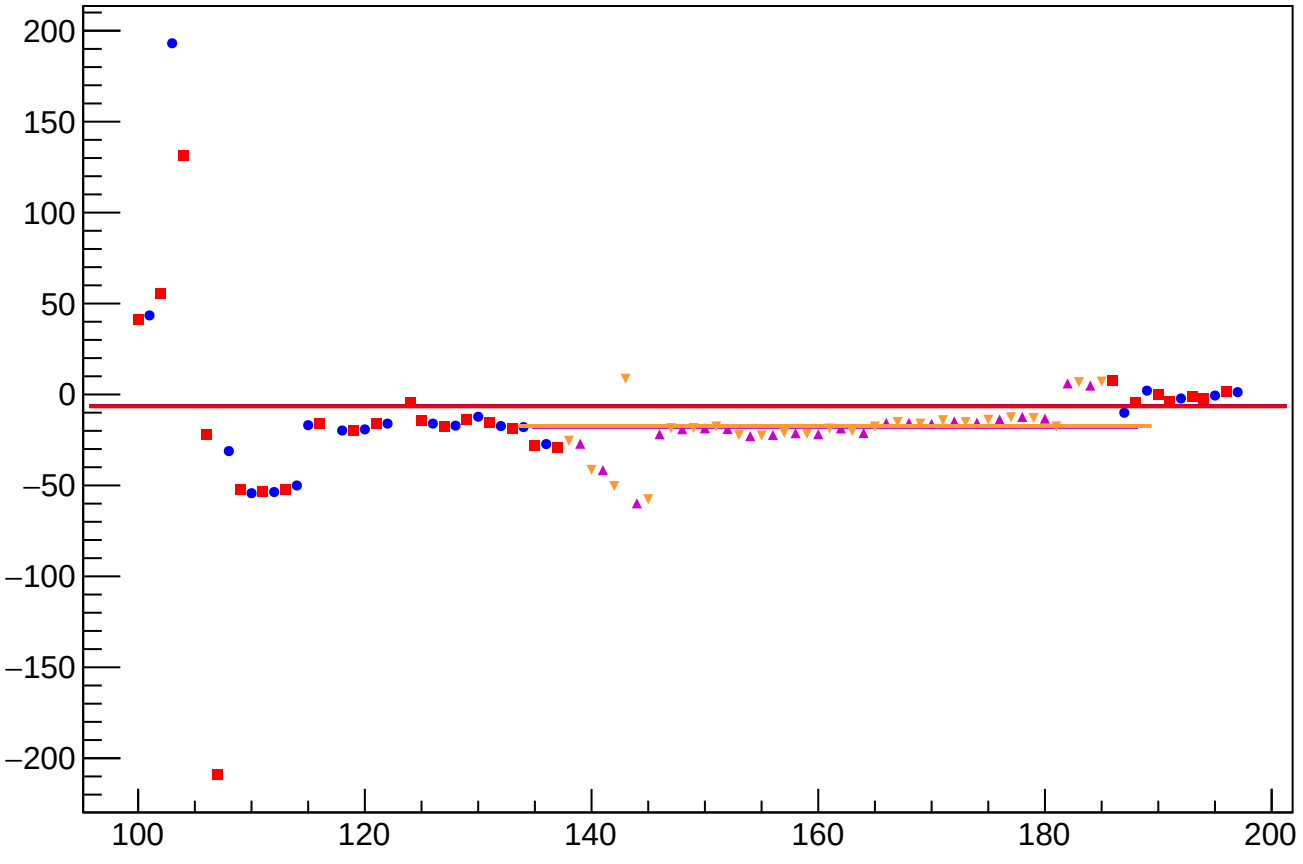
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.173+/-0.393 χ^2/NDF: 1649.8/45

All: -15.836+/-0.280 χ^2/NDF: 3160.2/94

- sign -16.522+/-0.400 χ^2/NDF: 1504.6/48

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -6.350+/-0.043 χ^2/NDF: 536325.6/20

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -6.474+/-0.042 χ^2/NDF: 473593.0/25

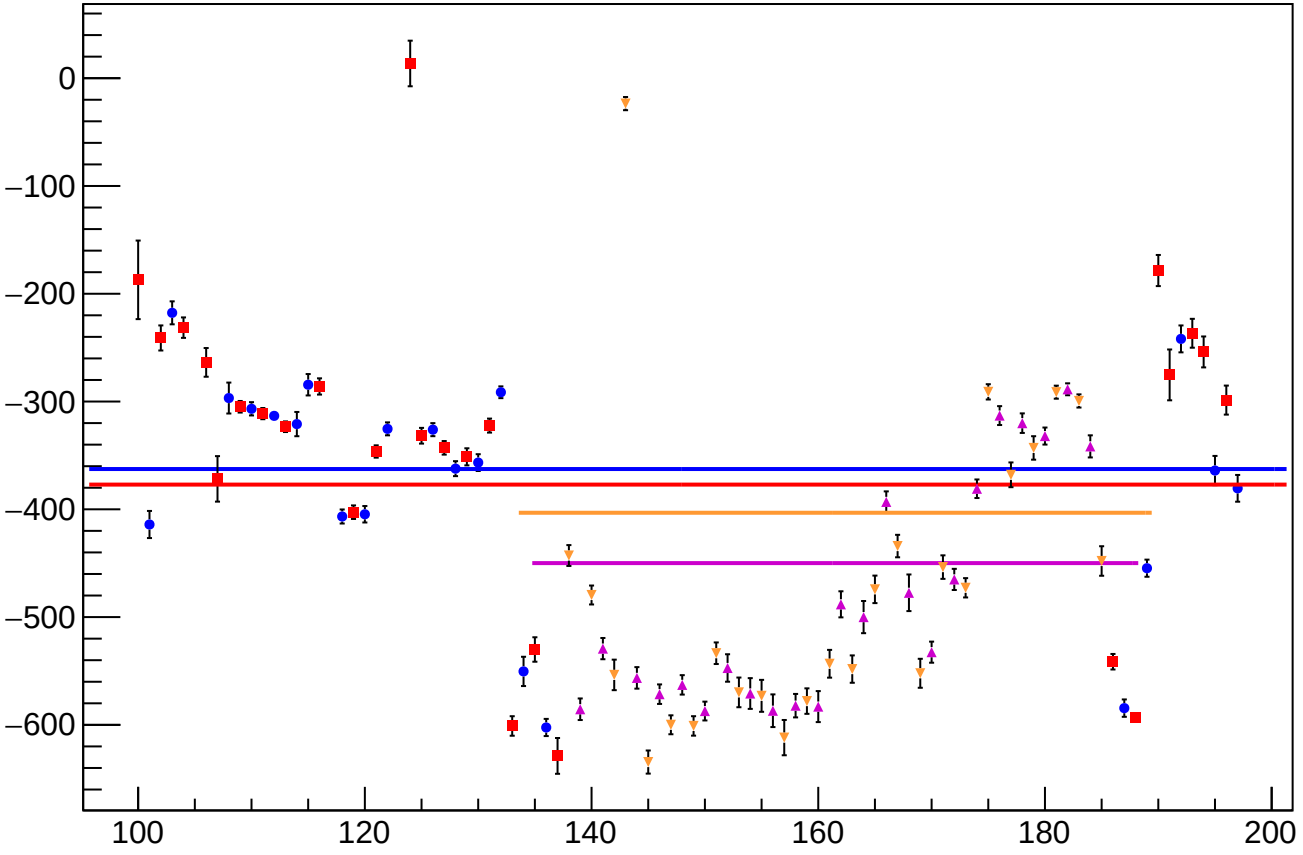
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -15.403+/-0.018 χ^2/NDF: 937178.8/45

All: -15.558+/-0.013 χ^2/NDF: 1736653.8/94

- sign -15.715+/-0.018 χ^2/NDF: 799328.6/48

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -362.628+/-1.691 χ^2/NDF: 2904.2/20

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -377.069+/-1.545 χ^2/NDF: 6110.9/25

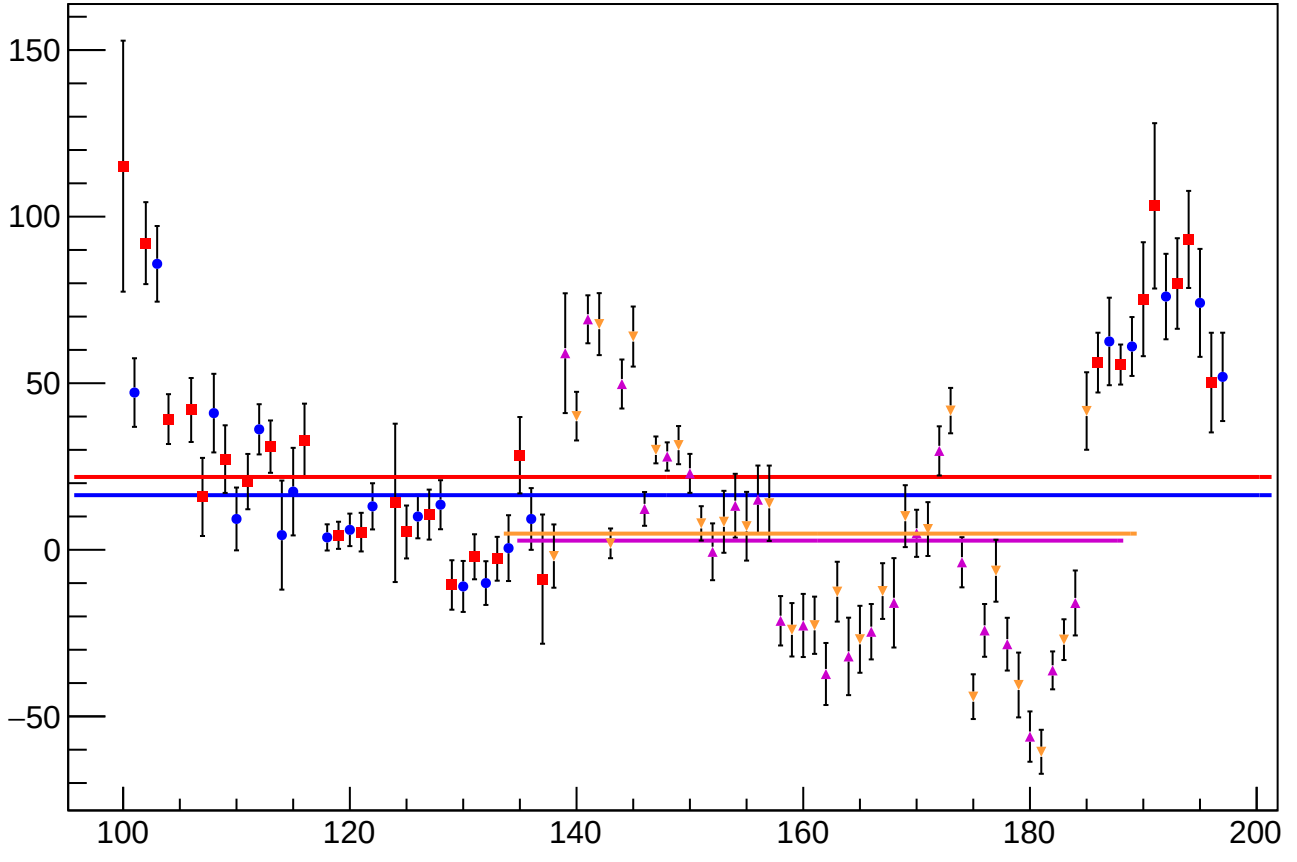
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -380.265+/-1.271 χ^2/NDF: 10904.9/45

All: -392.274+/-0.885 χ^2/NDF: 21216.6/94

- sign -403.561+/-1.232 χ^2/NDF: 10138.6/48

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 16.398+/-1.744 χ^2/NDF: 186.5/20

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 21.861+/-1.689 χ^2/NDF: 245.6/25

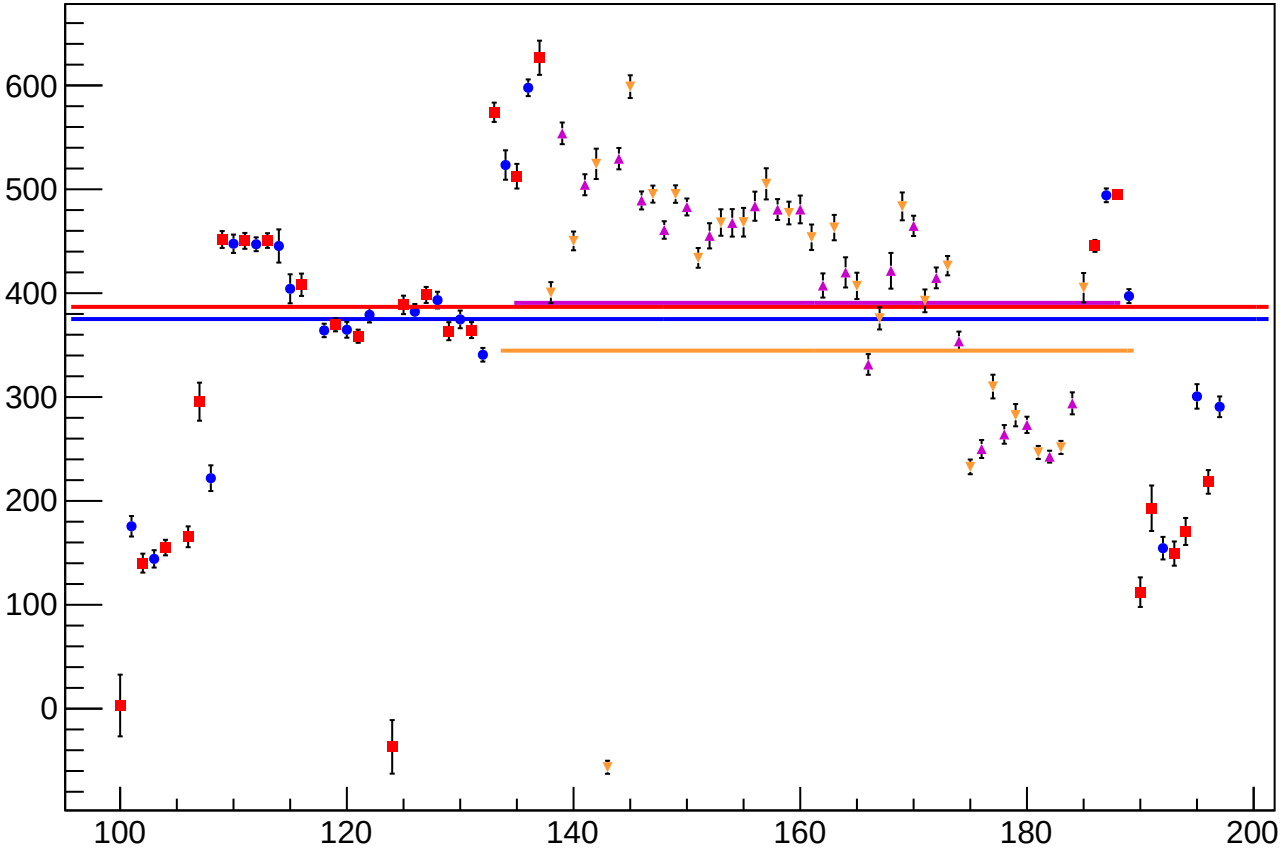
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

\+ sign 9.562+/-1.114 χ^2/NDF: 669.6/45

All: 10.514+/-0.798 χ^2/NDF: 1385.5/94

\- sign 11.517+/-1.144 χ^2/NDF: 714.5/48

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 375.082+/-1.836 χ^2/NDF: 3308.1/20

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 386.806+/-1.622 χ^2/NDF: 6087.1/25

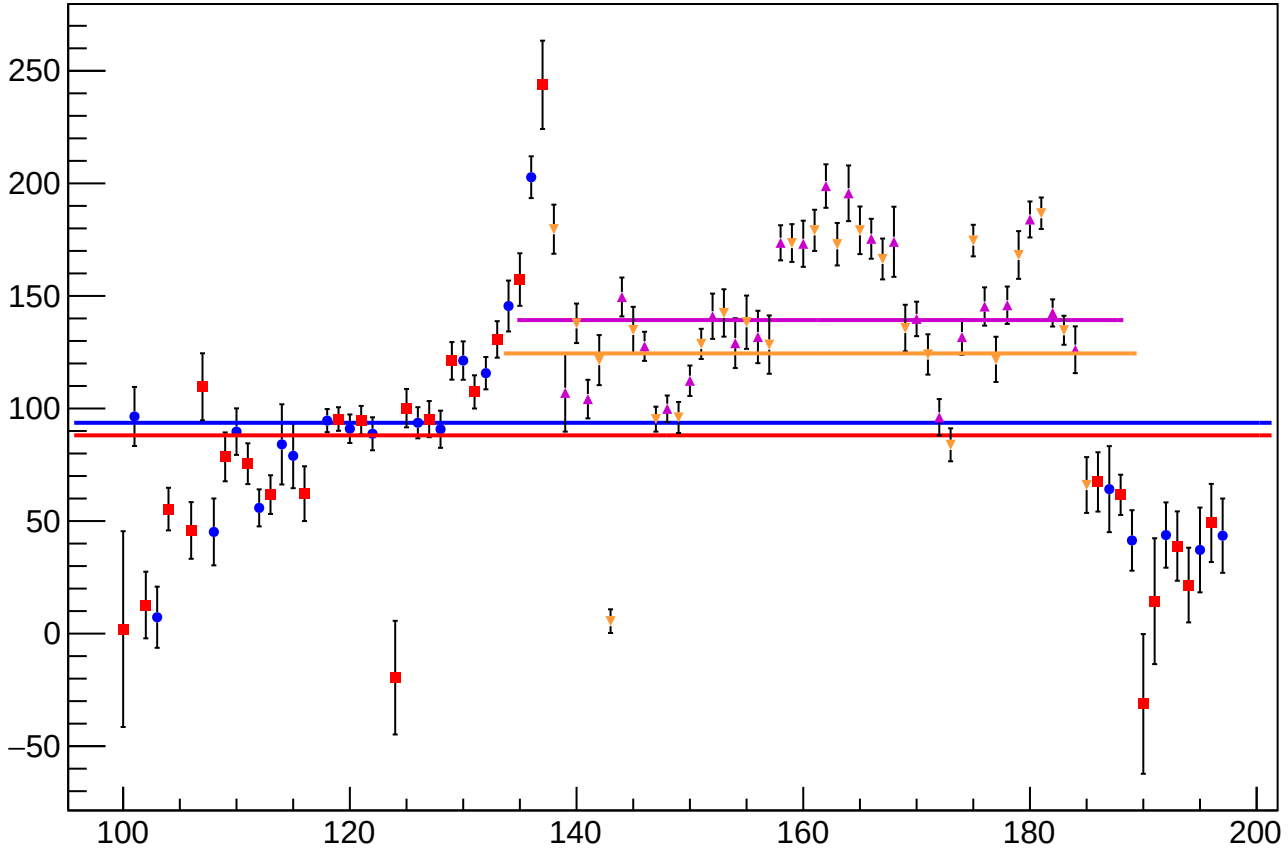
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 360.596+/-1.328 χ^2/NDF: 10717.0/45

All: 375.106+/-0.917 χ^2/NDF: 19707.0/94

- sign 388.313+/-1.267 χ^2/NDF: 8762.1/48

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 93.648+/-2.054 χ^2/NDF: 301.2/20

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 88.075+/-1.998 χ^2/NDF: 308.5/25

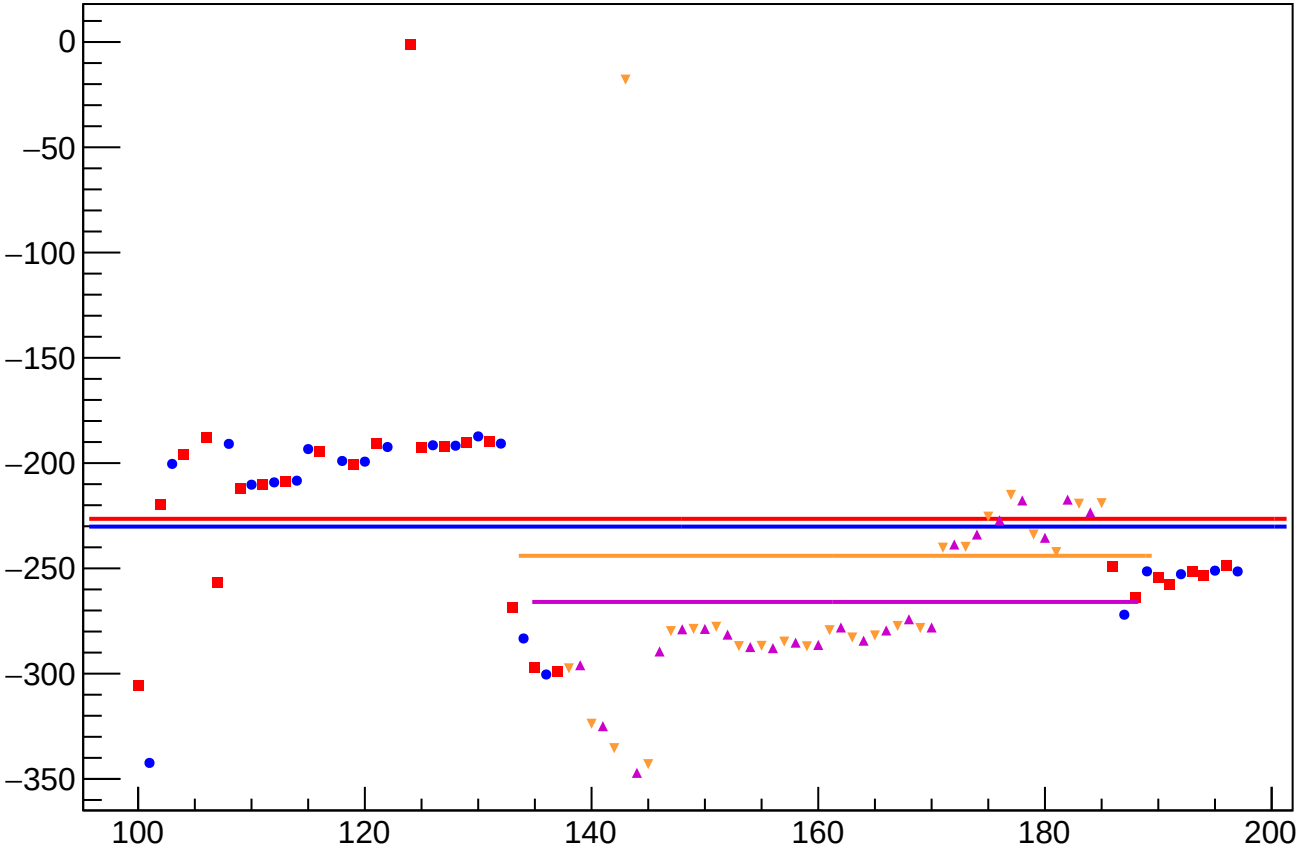
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 112.273+/-1.292 χ^2/NDF: 1374.8/45

All: 114.467+/-0.925 χ^2/NDF: 2318.1/94

- sign 116.774+/-1.325 χ^2/NDF: 937.3/48

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -230.159+/-0.122 χ^2/NDF: 131844.4/20

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -226.463+/-0.115 χ^2/NDF: 105309.1/25

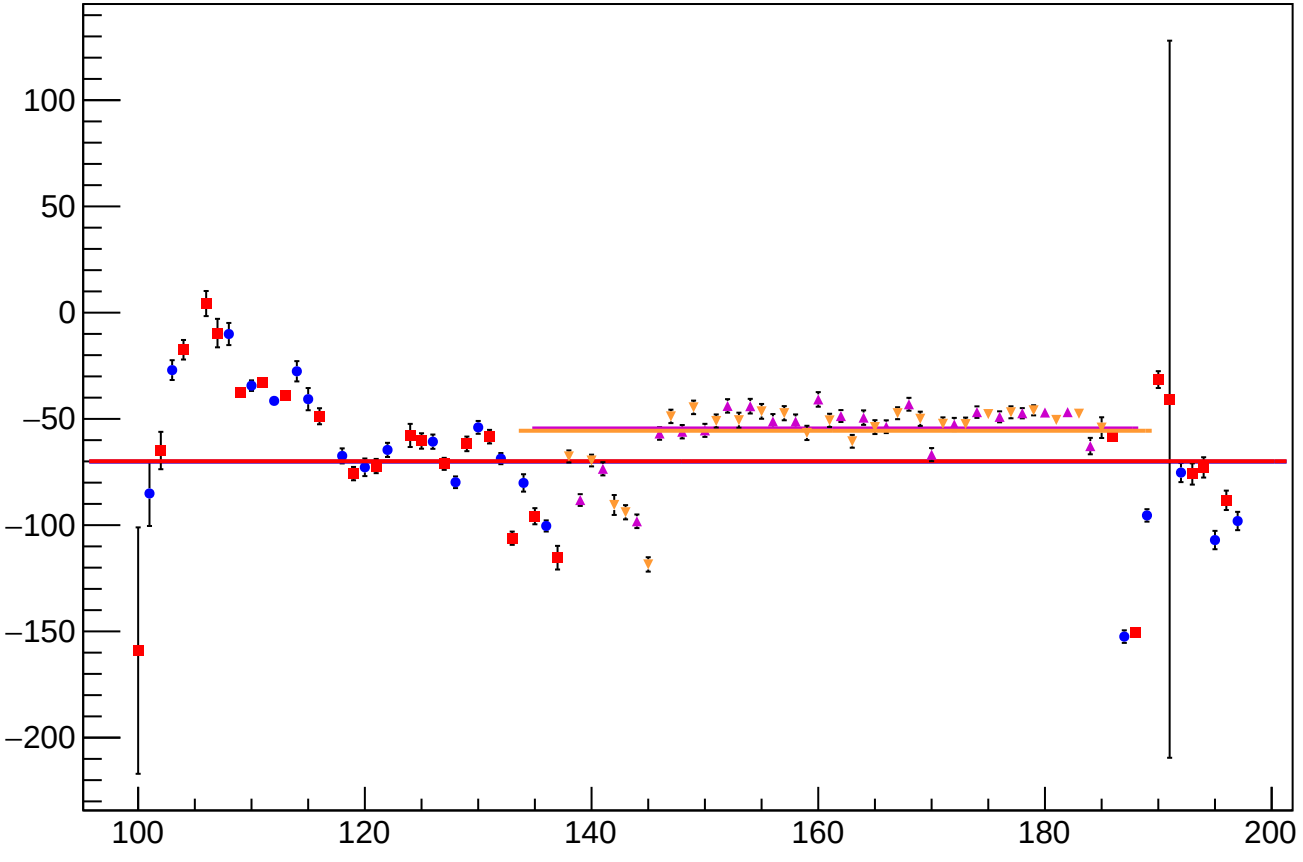
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.050+/-0.065 χ^2/NDF: 1139009.1/45

All: -246.417+/-0.046 χ^2/NDF: 1512958.3/94

- sign -252.891+/-0.066 χ^2/NDF: 354785.9/48

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -70.106+/-0.737 χ^2/NDF: 1872.4/20

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -69.916+/-0.639 χ^2/NDF: 3730.6/25

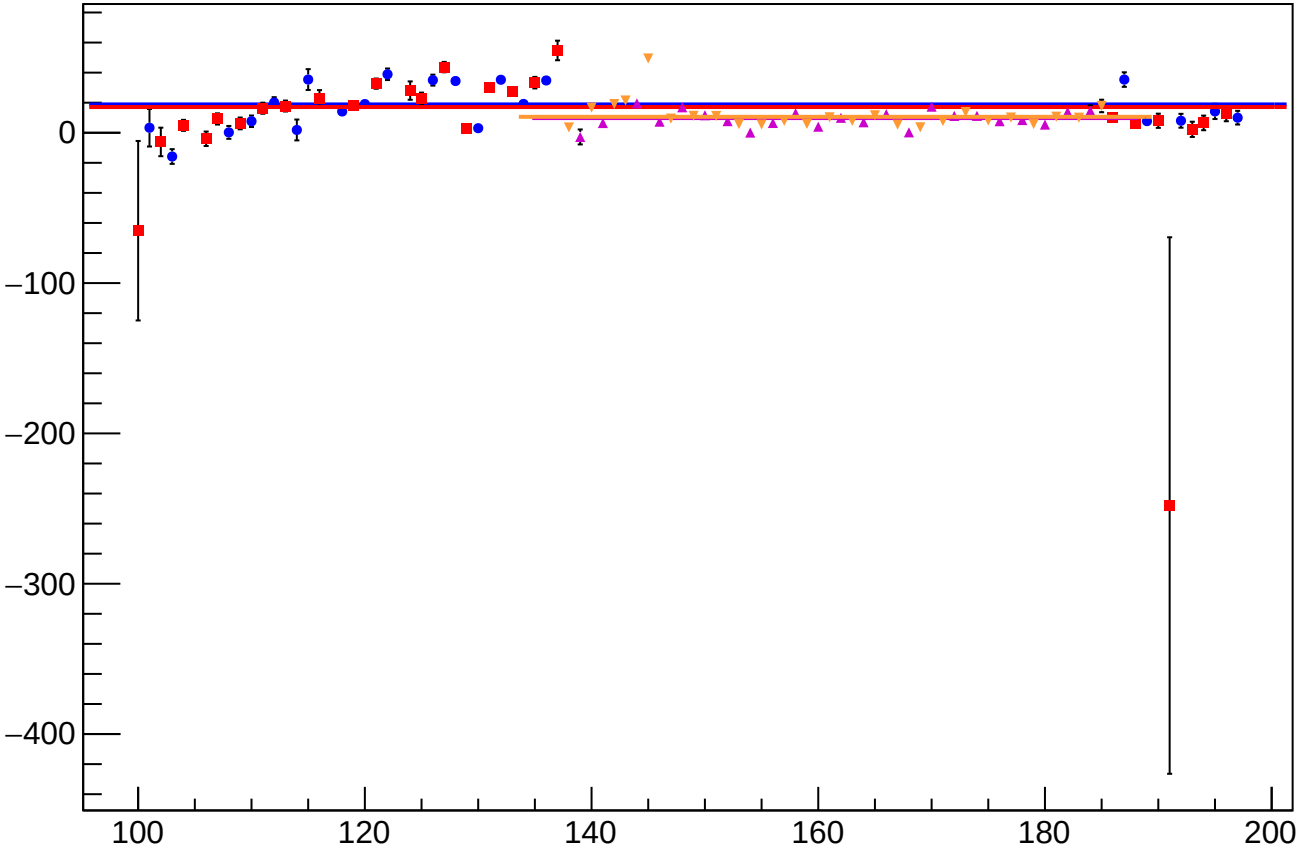
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -61.253+/-0.461 χ^2/NDF: 2795.9/45

All: -61.540+/-0.318 χ^2/NDF: 7334.0/94

\- sign -61.802+/-0.440 χ^2/NDF: 4537.3/48

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.841+/-0.790 χ^2/NDF: 282.4/20

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 17.108+/-0.716 χ^2/NDF: 293.5/25

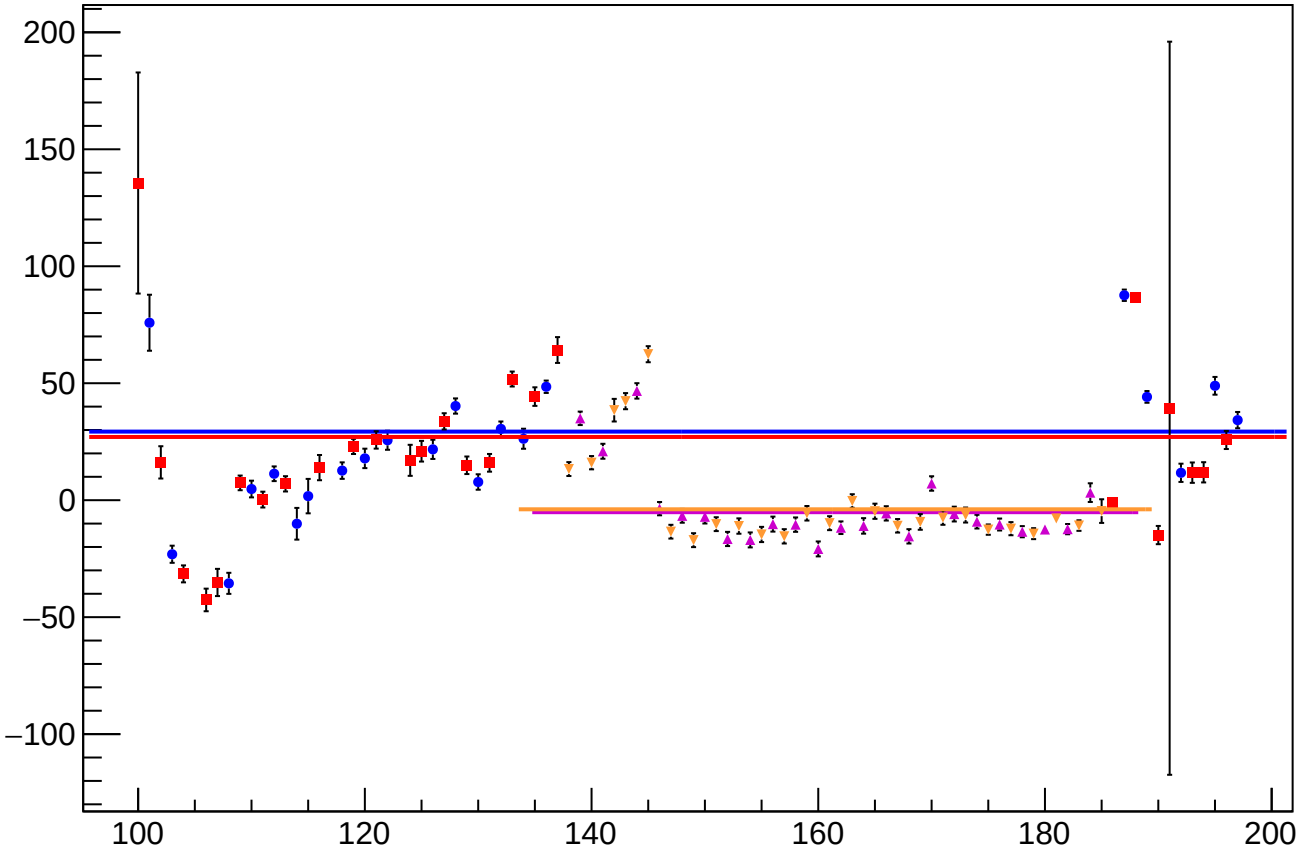
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

\+ sign 12.616+/-0.391 χ^2/NDF: 619.7/45

All: 12.286+/-0.276 χ^2/NDF: 1109.4/94

\- sign 11.954+/-0.391 χ^2/NDF: 488.3/48

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 29.321+/-0.781 χ^2/NDF: 1356.5/20

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.029+/-0.646 χ^2/NDF: 3279.3/25

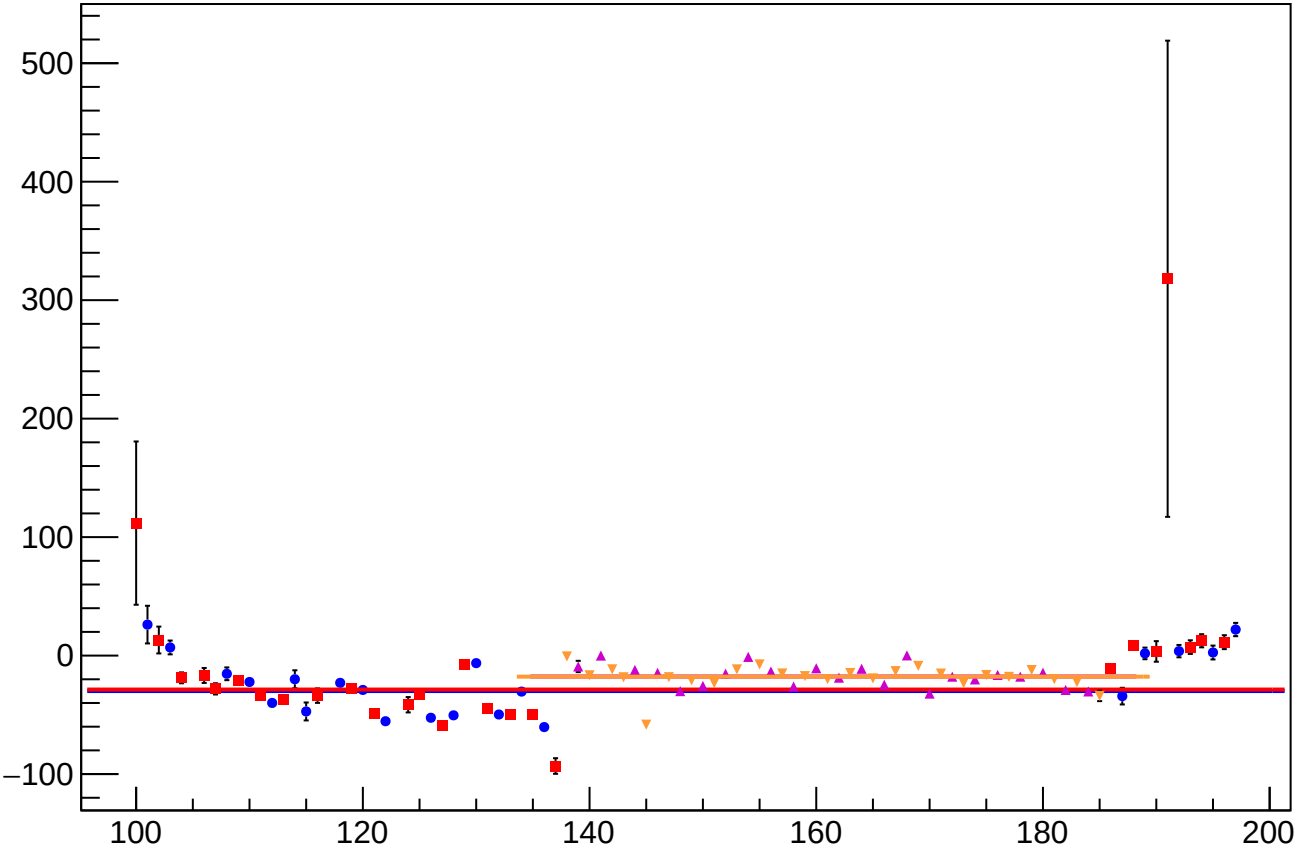
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 8.042+/-0.468 χ^2/NDF: 3365.0/45

All: 8.948+/-0.320 χ^2/NDF: 8631.0/94

- sign 9.747+/-0.440 χ^2/NDF: 5259.0/48

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -29.927+/-0.921 χ^2/NDF: 572.3/20

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -28.656+/-0.863 χ^2/NDF: 673.1/25

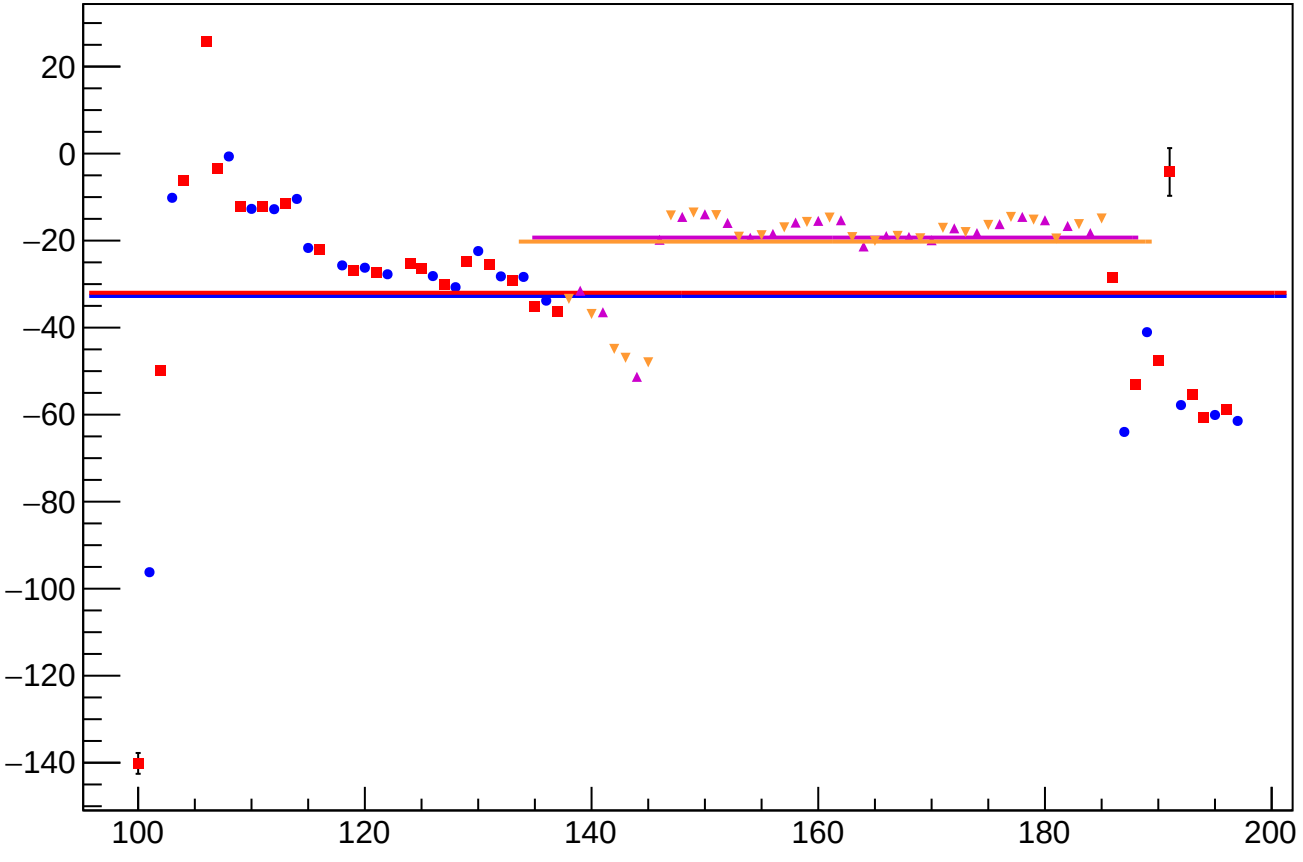
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -20.618+/-0.445 χ^2/NDF: 957.3/45

All: -20.623+/-0.316 χ^2/NDF: 2035.1/94

- sign -20.628+/-0.449 χ^2/NDF: 1077.8/48

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -32.725+/-0.049 χ^2/NDF: 157189.5/20

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -31.986+/-0.047 χ^2/NDF: 216402.0/25

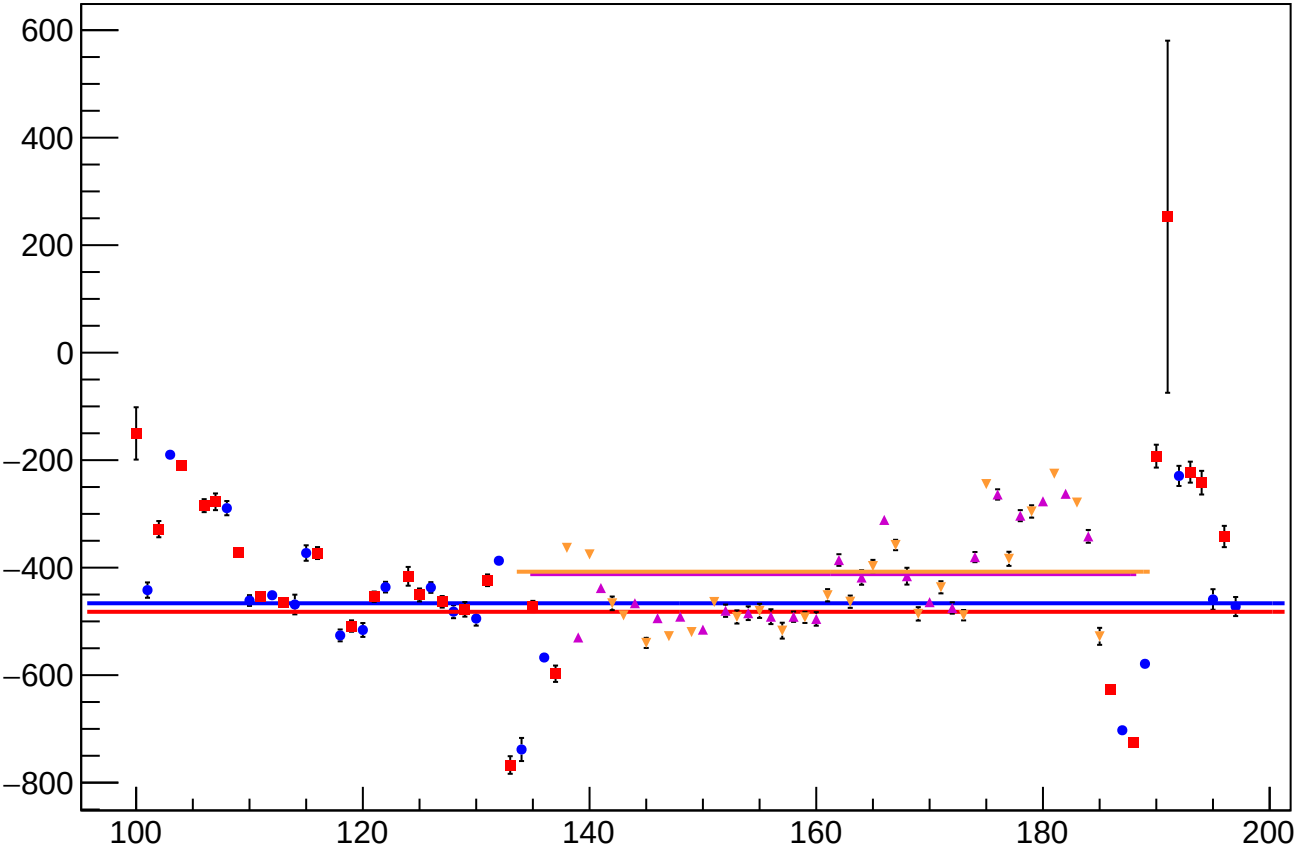
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -22.488+/-0.021 χ^2/NDF: 358630.1/45

All: -22.140+/-0.015 χ^2/NDF: 726666.2/94

- sign -21.785+/-0.021 χ^2/NDF: 367464.6/48

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -466.290+/-2.419 χ^2/NDF: 2622.8/20

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -482.156+/-2.106 χ^2/NDF: 5767.1/25

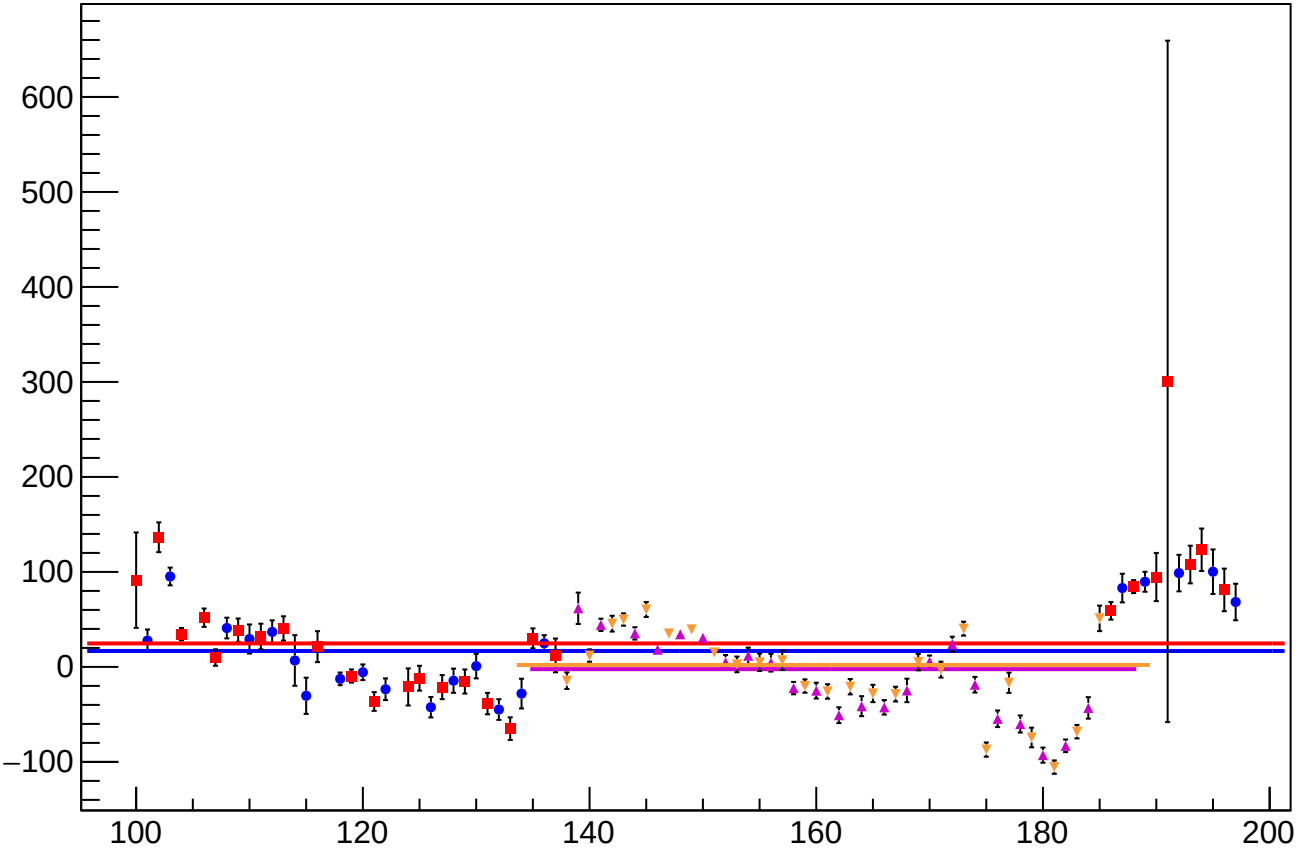
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -430.701+/-1.519 χ^2/NDF: 5852.6/45

All: -438.404+/-1.050 χ^2/NDF: 14430.7/94

- sign -445.460+/-1.454 χ^2/NDF: 8528.8/48

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 16.742+/-2.539 χ^2/NDF: 309.8/20

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 24.701+/-2.268 χ^2/NDF: 399.7/25

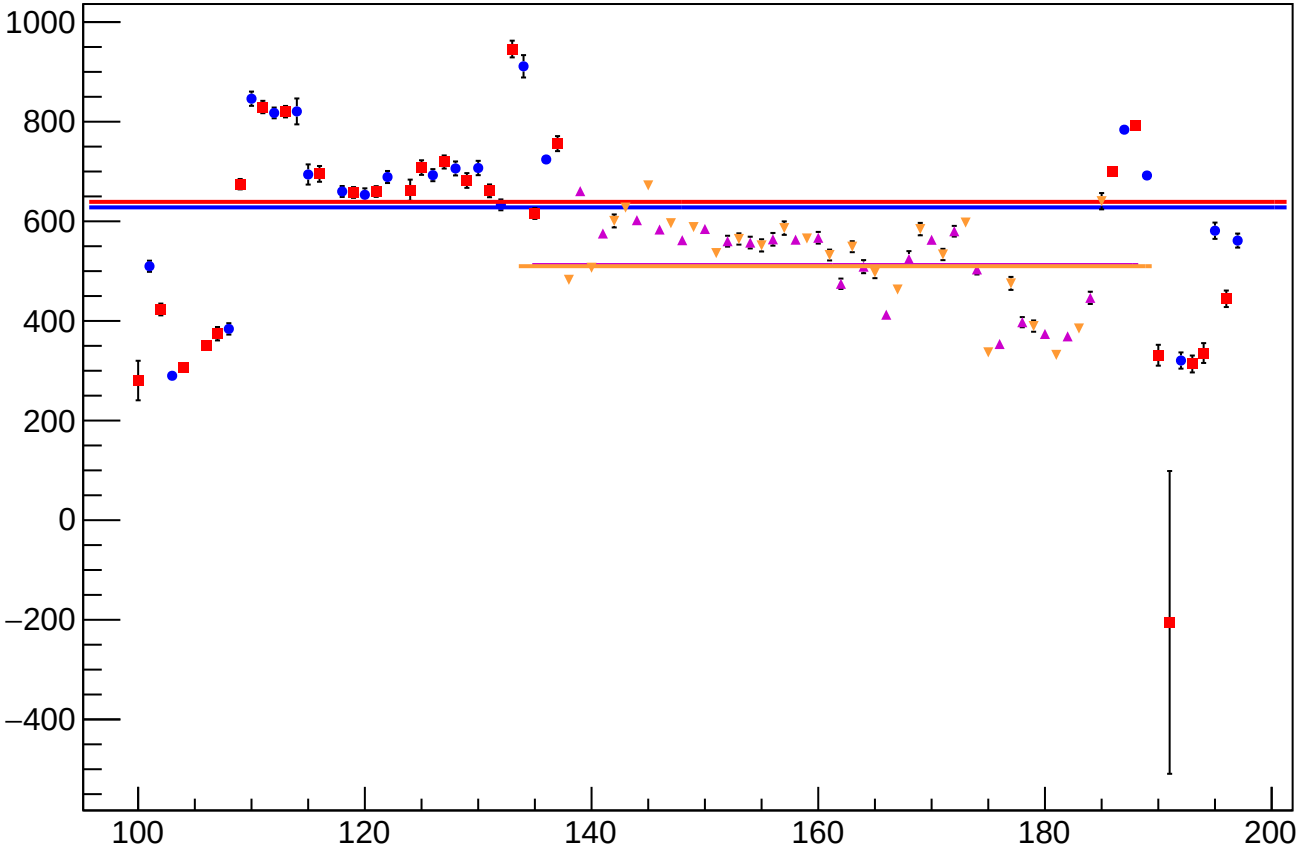
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 5.561+/-1.243 χ^2/NDF: 1246.0/45

All: 5.649+/-0.878 χ^2/NDF: 2478.9/94

- sign 5.736+/-1.241 χ^2/NDF: 1232.8/48

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 627.993+/-2.455 χ^2/NDF: 4801.9/20

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 639.073+/-2.061 χ^2/NDF: 7870.5/25

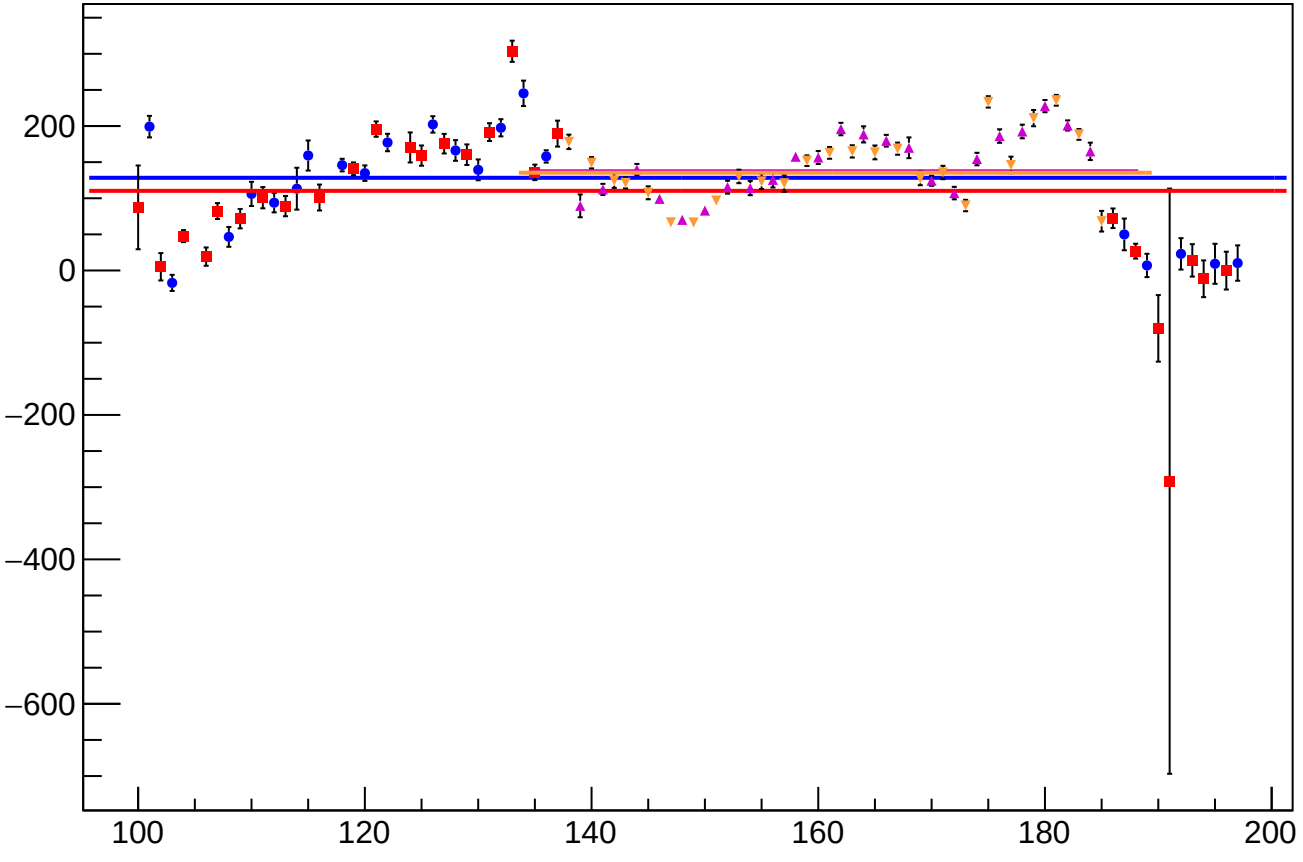
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 555.169+/-1.520 χ^2/NDF: 8890.8/45

All: 564.761+/-1.041 χ^2/NDF: 20888.4/94

- sign 573.242+/-1.429 χ^2/NDF: 11922.6/48

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 128.341+/-2.992 χ^2/NDF: 534.1/20

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 110.257+/-2.741 χ^2/NDF: 682.9/25

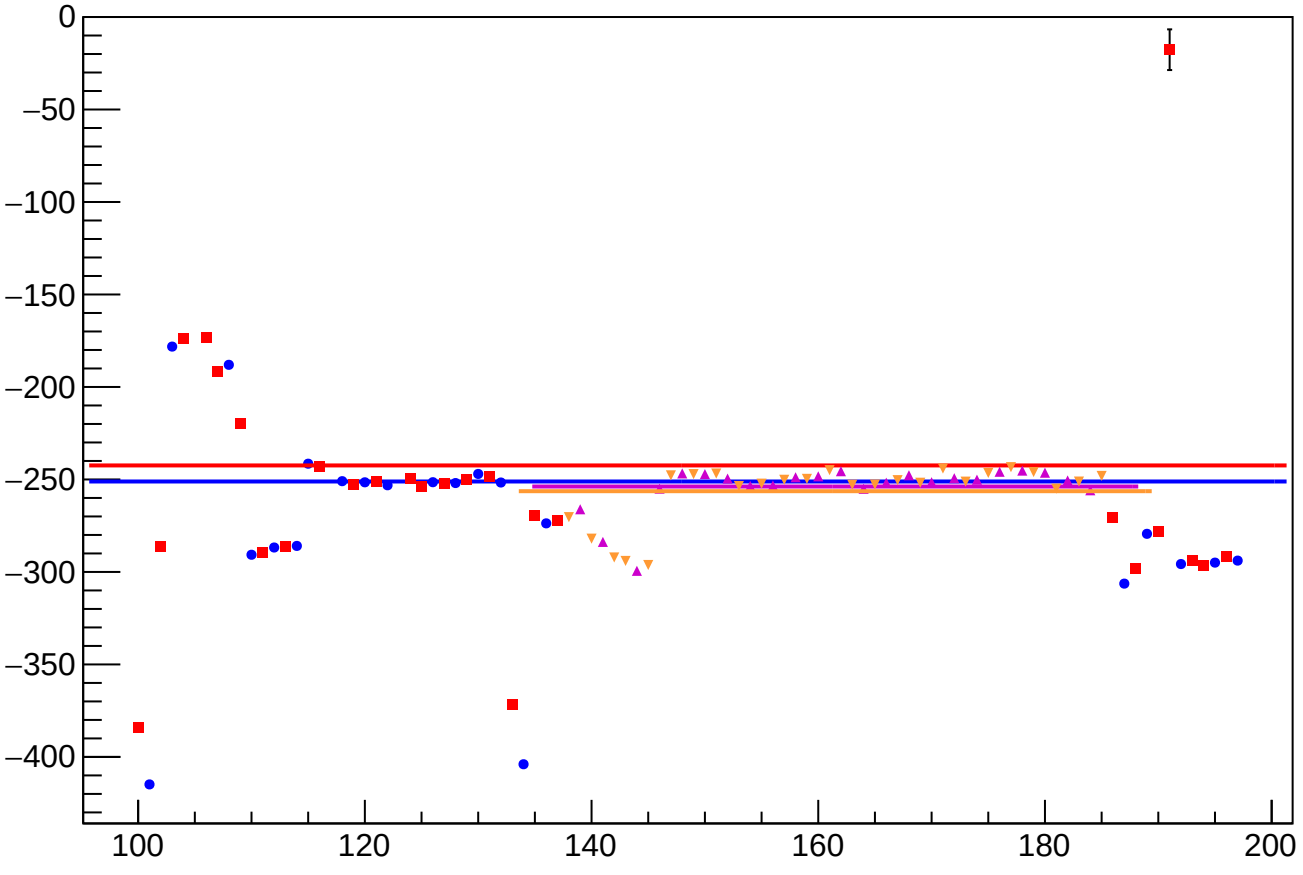
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 133.761+/-1.444 χ^2/NDF: 1461.5/45

All: 131.798+/-1.022 χ^2/NDF: 2924.6/94

- sign 129.829+/-1.446 χ^2/NDF: 1459.4/48

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -251.098+/-0.149 χ^2/NDF: 188423.9/20

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -242.419+/-0.141 χ^2/NDF: 134570.8/25

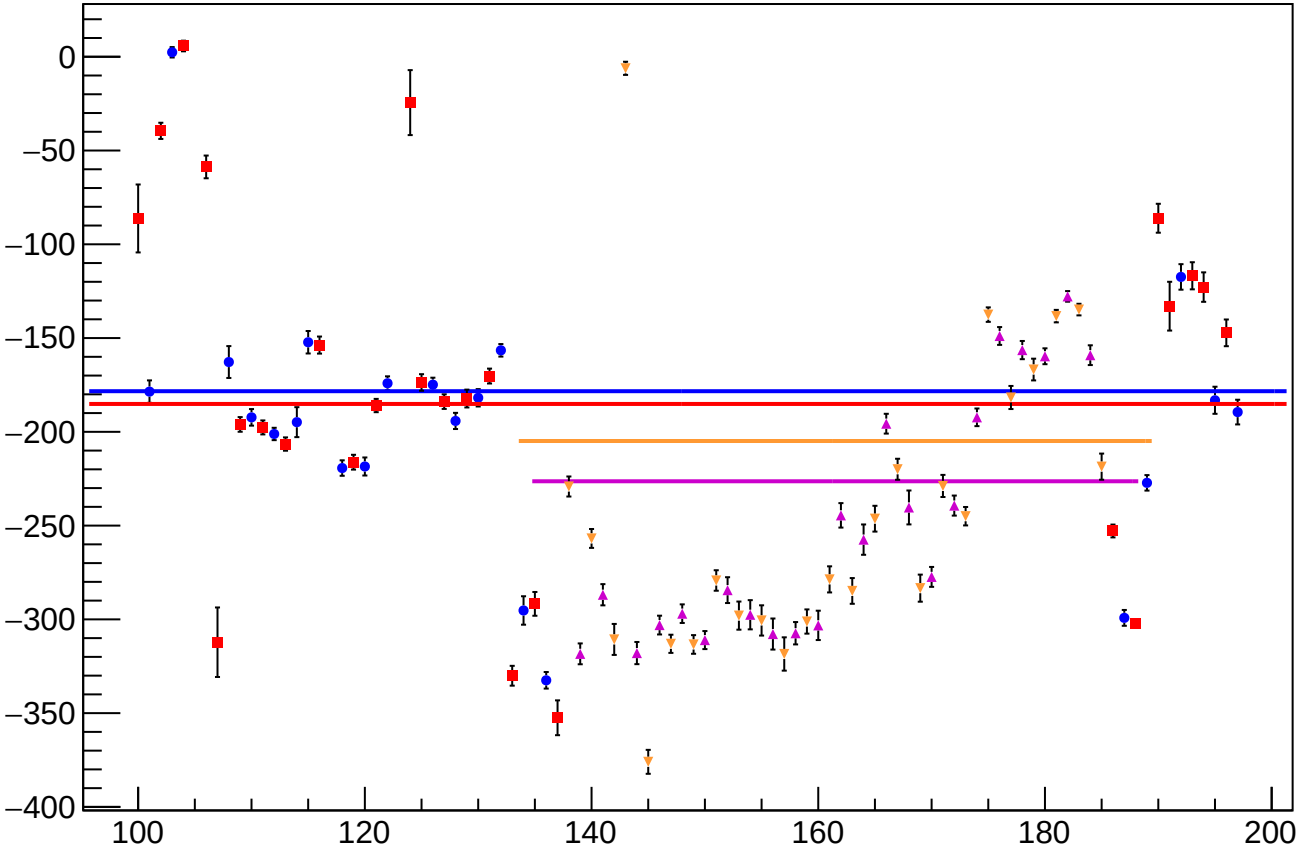
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

\+ sign -255.239+/-0.068 χ^2/NDF: 228914.9/45

All: -253.186+/-0.048 χ^2/NDF: 394372.4/94

\- sign -251.151+/-0.068 χ^2/NDF: 163664.5/48

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -178.333+/-0.979 χ^2/NDF: 7037.9/20

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -185.134+/-0.884 χ^2/NDF: 11211.5/25

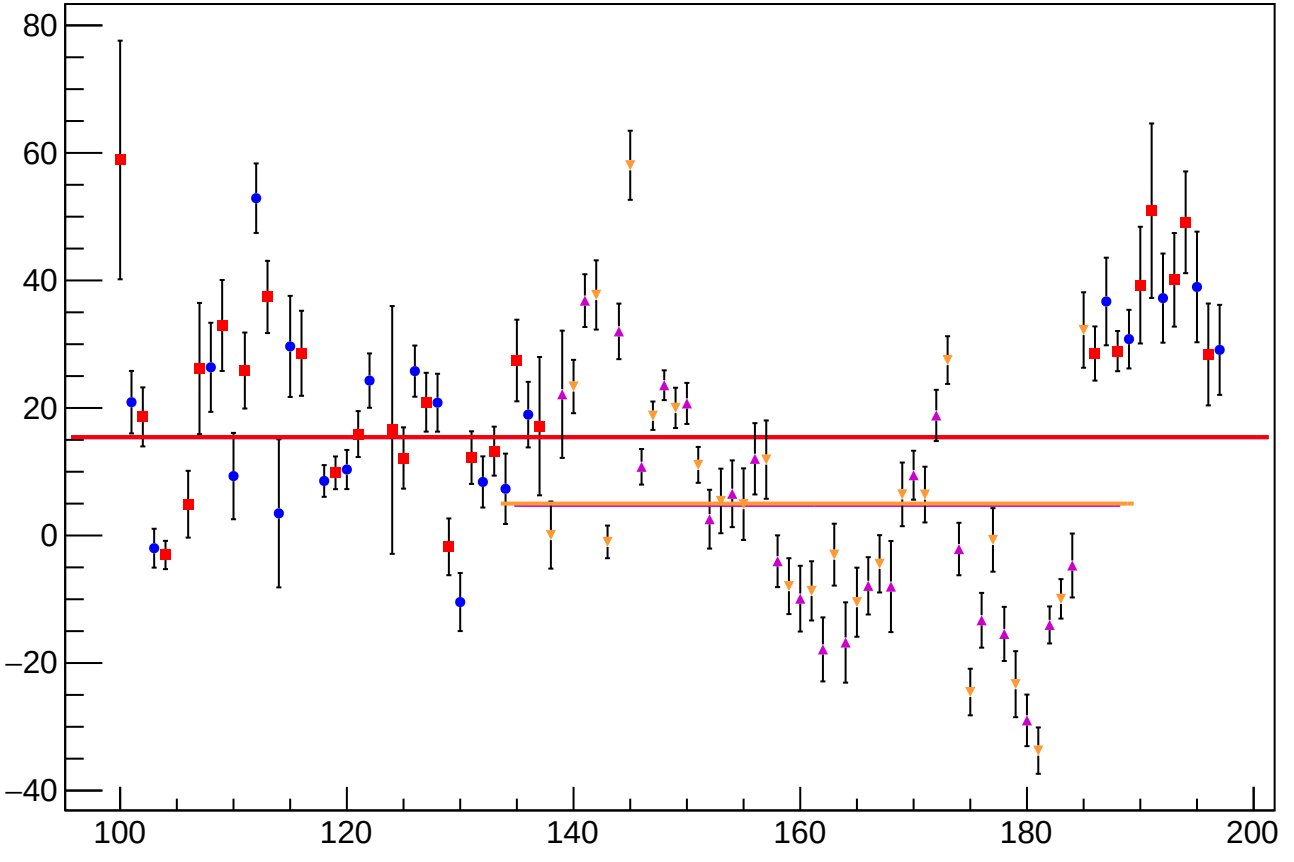
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -190.664+/-0.717 χ^2/NDF: 15205.6/45

All: -196.147+/-0.497 χ^2/NDF: 31597.6/94

- sign -201.236+/-0.691 χ^2/NDF: 16279.2/48

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 15.407+/-1.007 χ^2/NDF: 191.1/20

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 15.432+/-0.930 χ^2/NDF: 207.7/25

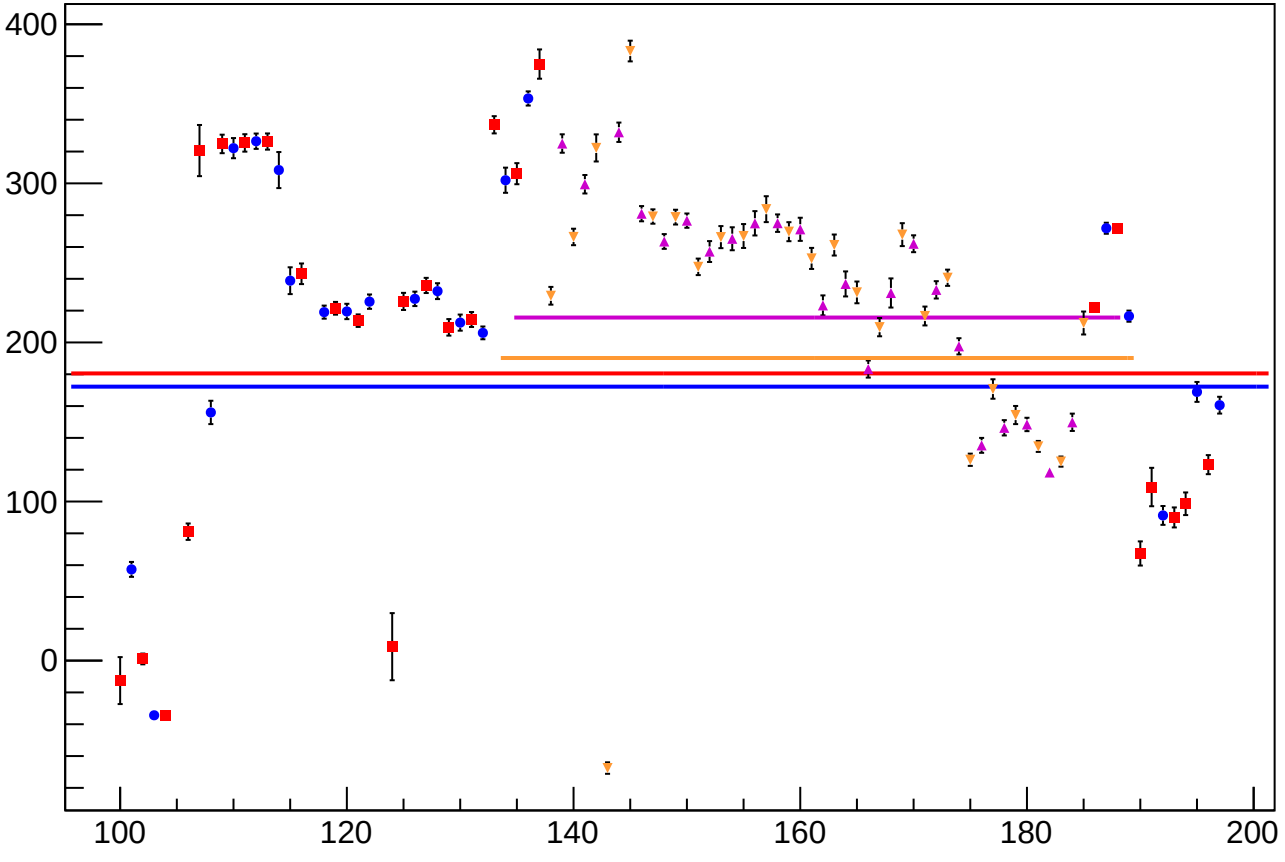
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 8.987+/-0.623 χ^2/NDF: 805.4/45

All: 9.300+/-0.442 χ^2/NDF: 1511.4/94

- sign 9.616+/-0.626 χ^2/NDF: 705.5/48

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 172.211+/-0.987 χ^2/NDF: 15235.0/20

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 180.525+/-0.861 χ^2/NDF: 20433.0/25

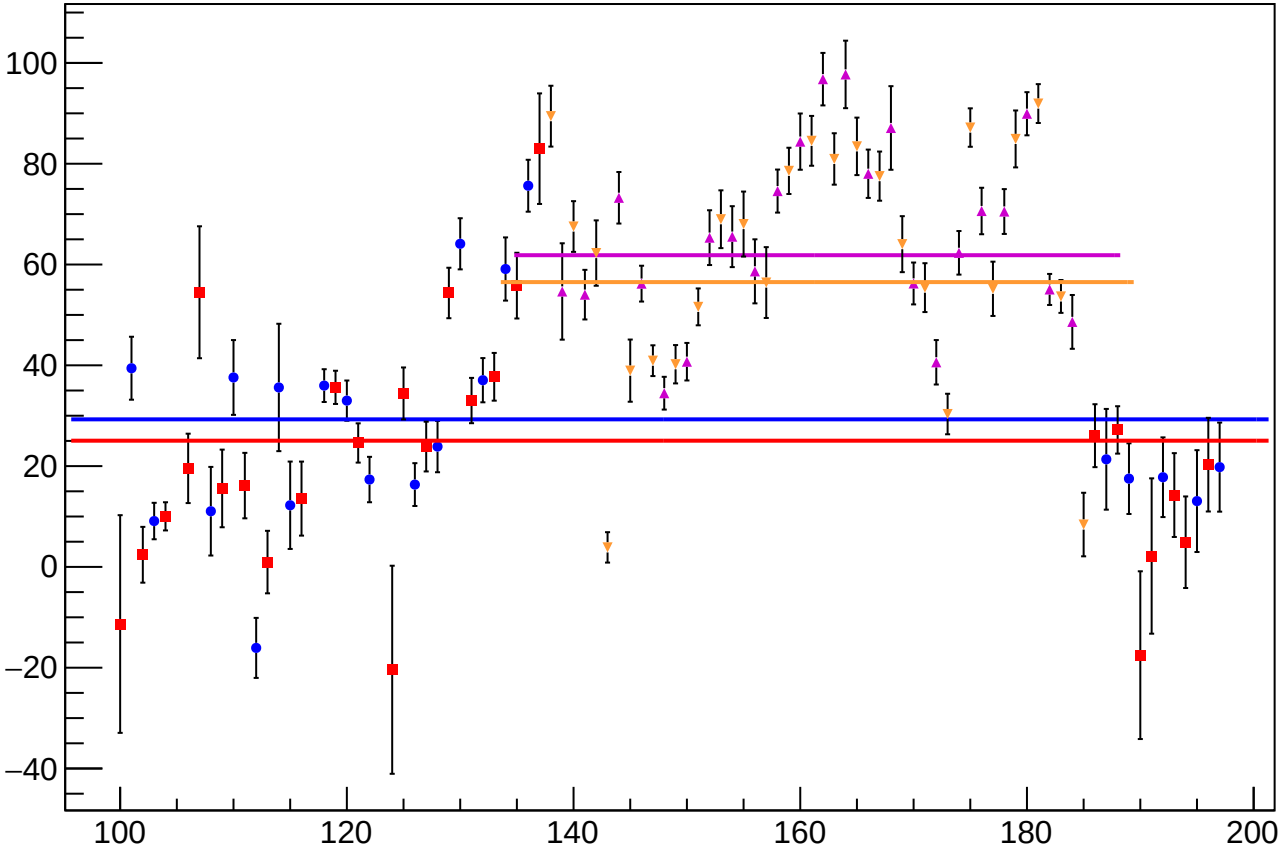
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 180.661+/-0.719 χ^2/NDF: 24775.1/45

All: 187.674+/-0.493 χ^2/NDF: 49906.9/94

- sign 193.900+/-0.678 χ^2/NDF: 24952.3/48

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 29.278+/-1.192 χ^2/NDF: 287.2/20

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 25.045+/-1.121 χ^2/NDF: 204.1/25

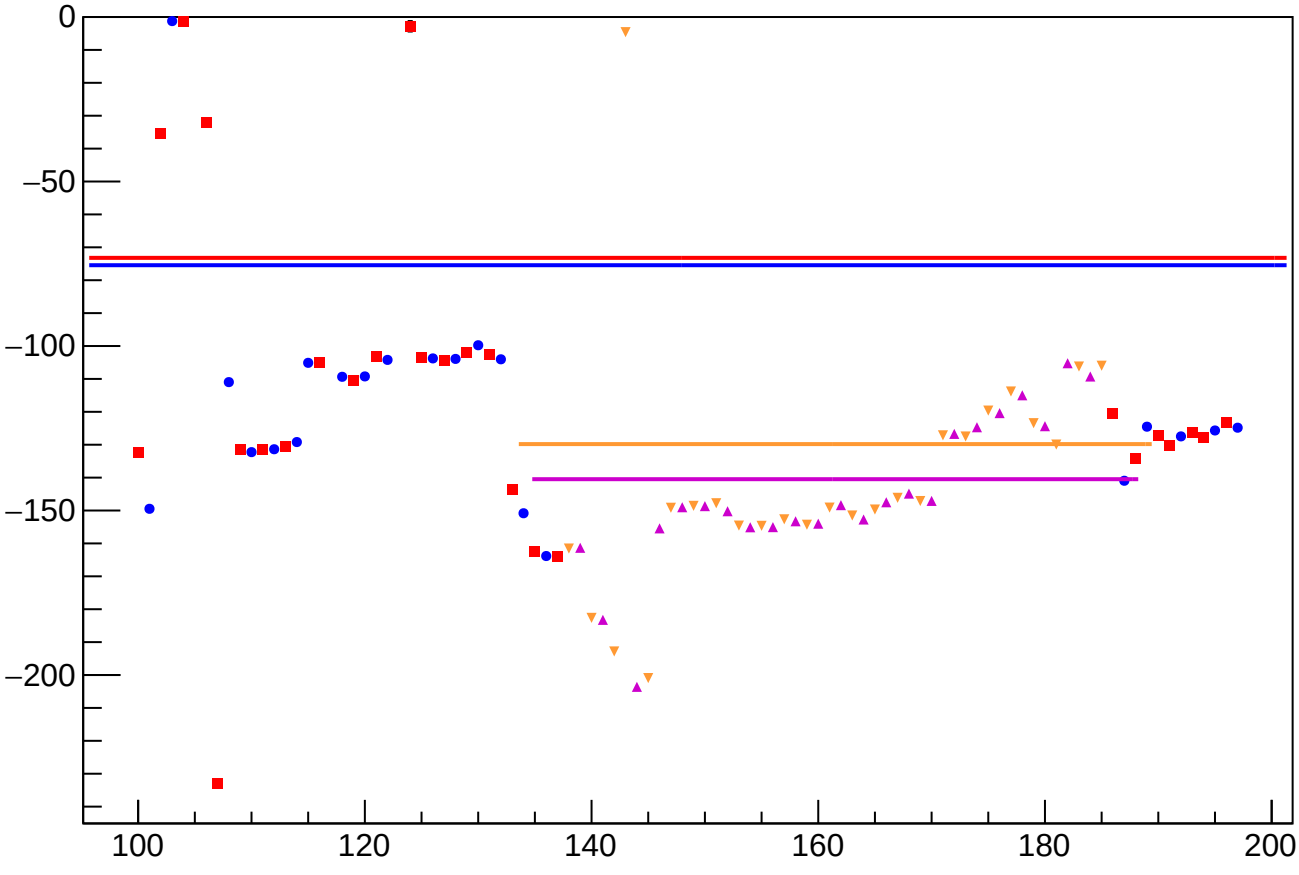
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 46.494+/-0.723 χ^2/NDF: 1416.3/45

All: 46.370+/-0.513 χ^2/NDF: 2562.6/94

- sign 46.244+/-0.730 χ^2/NDF: 1146.2/48

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -75.439+/-0.058 χ^2/NDF: 1208572.6/20

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -73.202+/-0.055 χ^2/NDF: 1155706.1/25

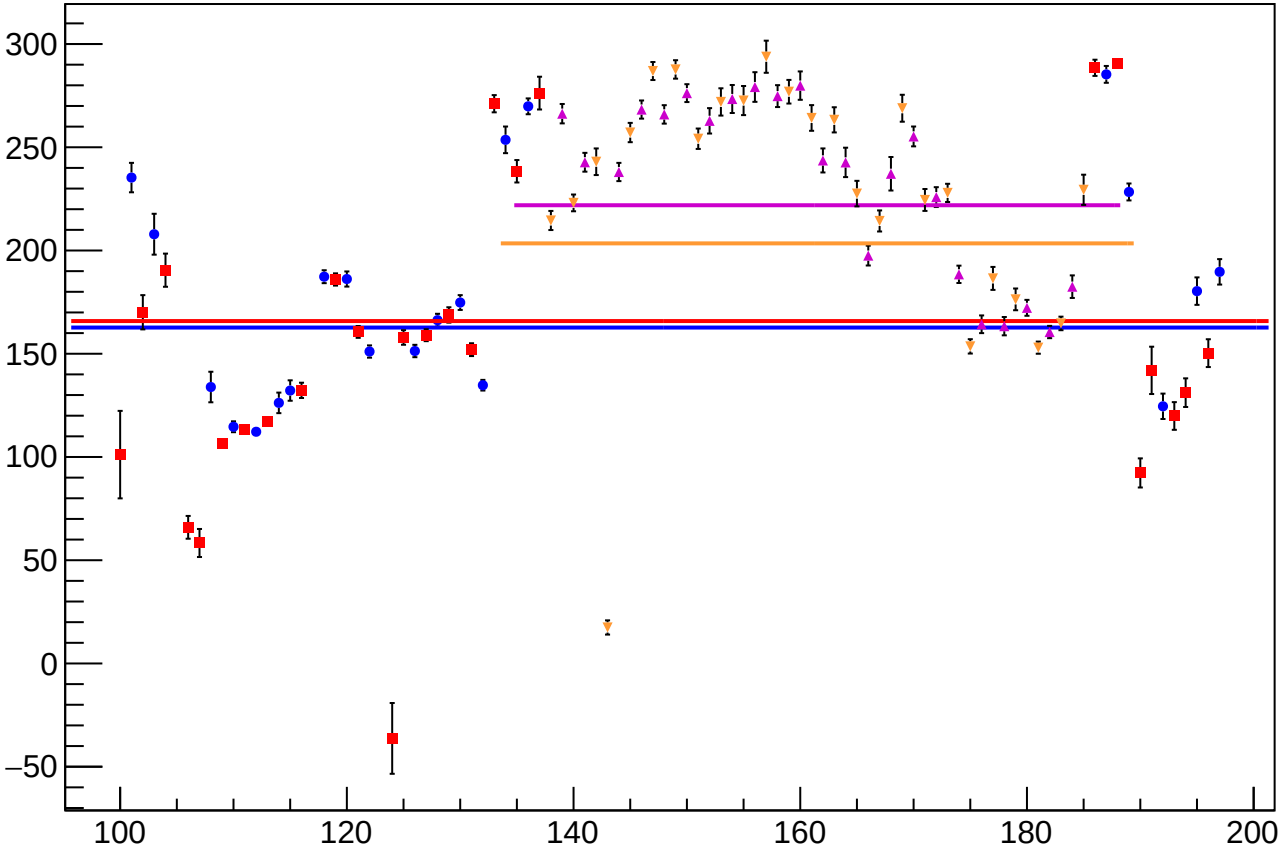
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.021+/-0.034 χ^2/NDF: 2808335.3/45

All: -112.719+/-0.024 χ^2/NDF: 5142830.8/94

- sign -114.424+/-0.034 χ^2/NDF: 2329530.9/48

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 162.687+/-0.811 χ^2/NDF: 3603.6/20

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 165.827+/-0.739 χ^2/NDF: 8027.0/25

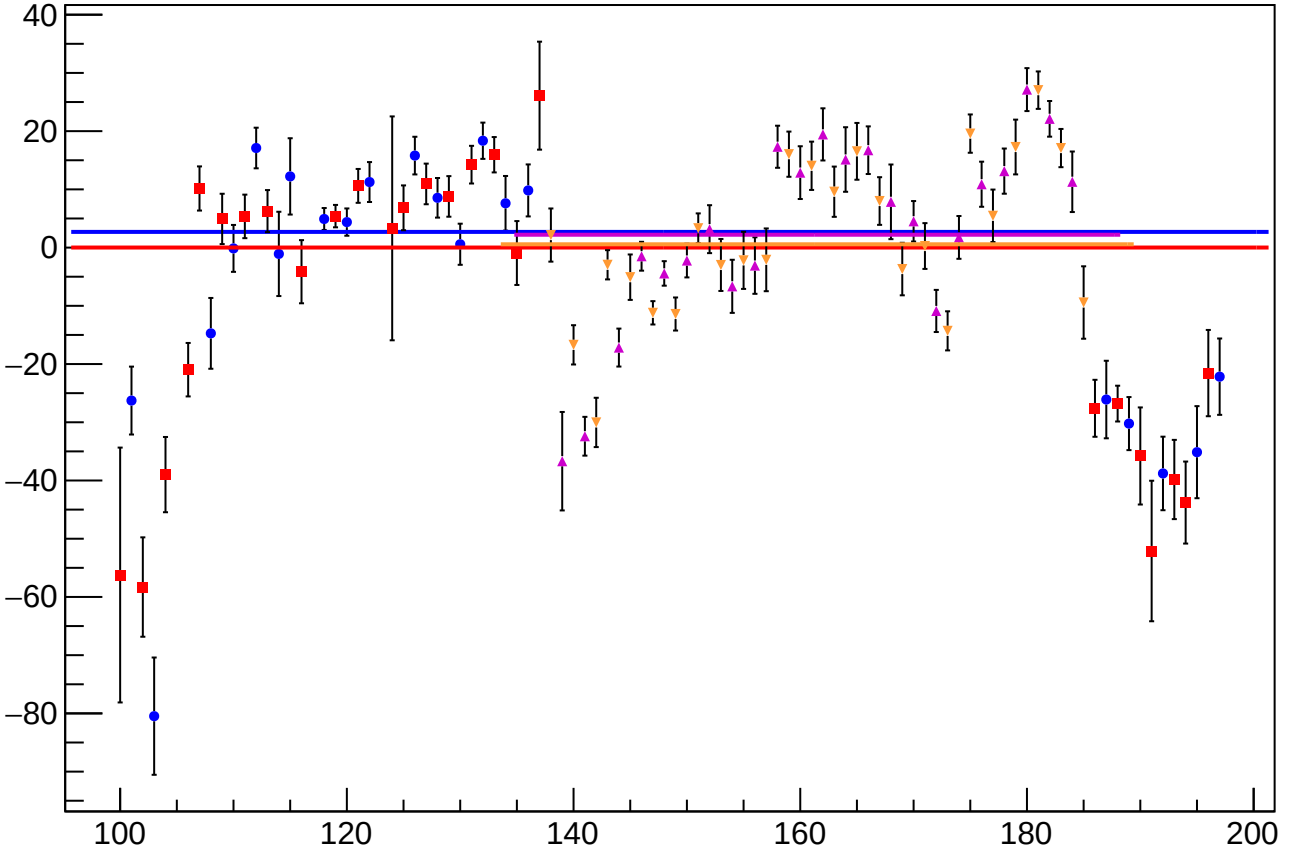
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 179.820+/-0.618 χ^2/NDF: 10155.9/45

All: 182.796+/-0.428 χ^2/NDF: 22242.7/94

- sign 185.553+/-0.595 χ^2/NDF: 12042.1/48

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 2.697+/-0.846 χ^2/NDF: 329.2/20

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 0.011+/-0.818 χ^2/NDF: 446.3/25

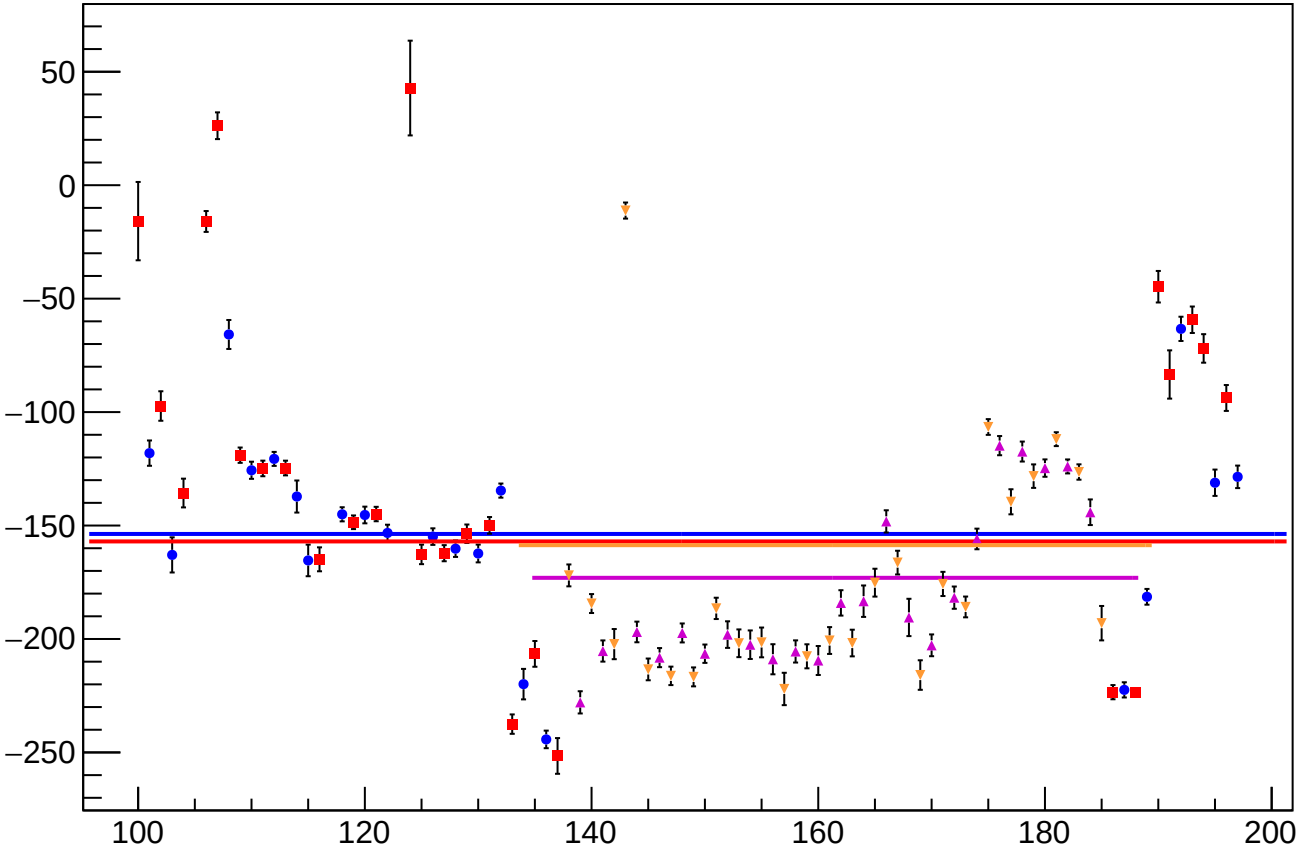
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 1.456+/-0.546 χ^2/NDF: 678.3/45

All: 1.326+/-0.390 χ^2/NDF: 1486.7/94

- sign 1.191+/-0.557 χ^2/NDF: 808.3/48

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -153.709+/-0.902 χ^2/NDF: 1923.7/20

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -157.004+/-0.802 χ^2/NDF: 5860.3/25

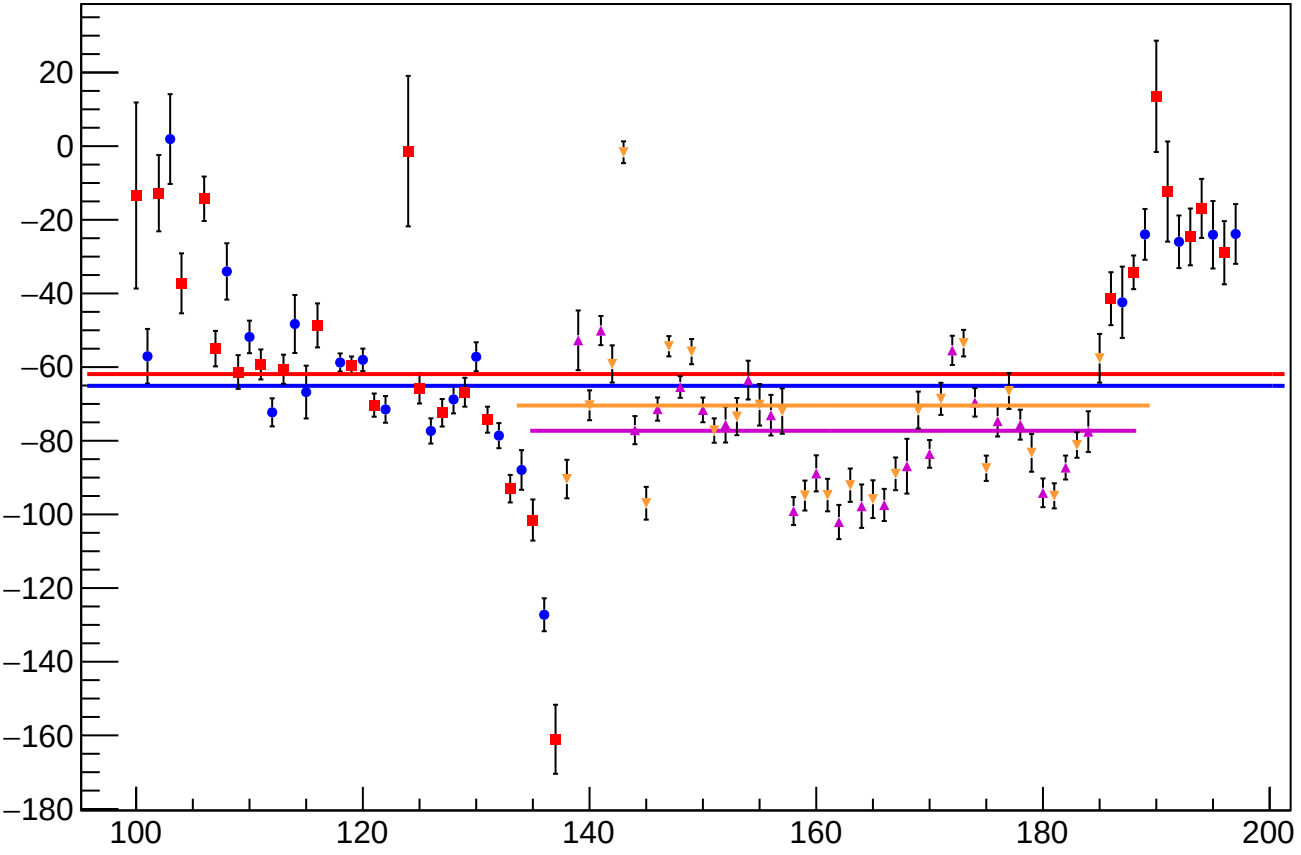
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -156.055+/-0.654 χ^2/NDF: 5429.7/45

All: -159.856+/-0.452 χ^2/NDF: 12911.7/94

- sign -163.320+/-0.625 χ^2/NDF: 7417.5/48

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -65.082+/-0.993 χ^2/NDF: 441.8/20

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -61.896+/-0.964 χ^2/NDF: 528.3/25

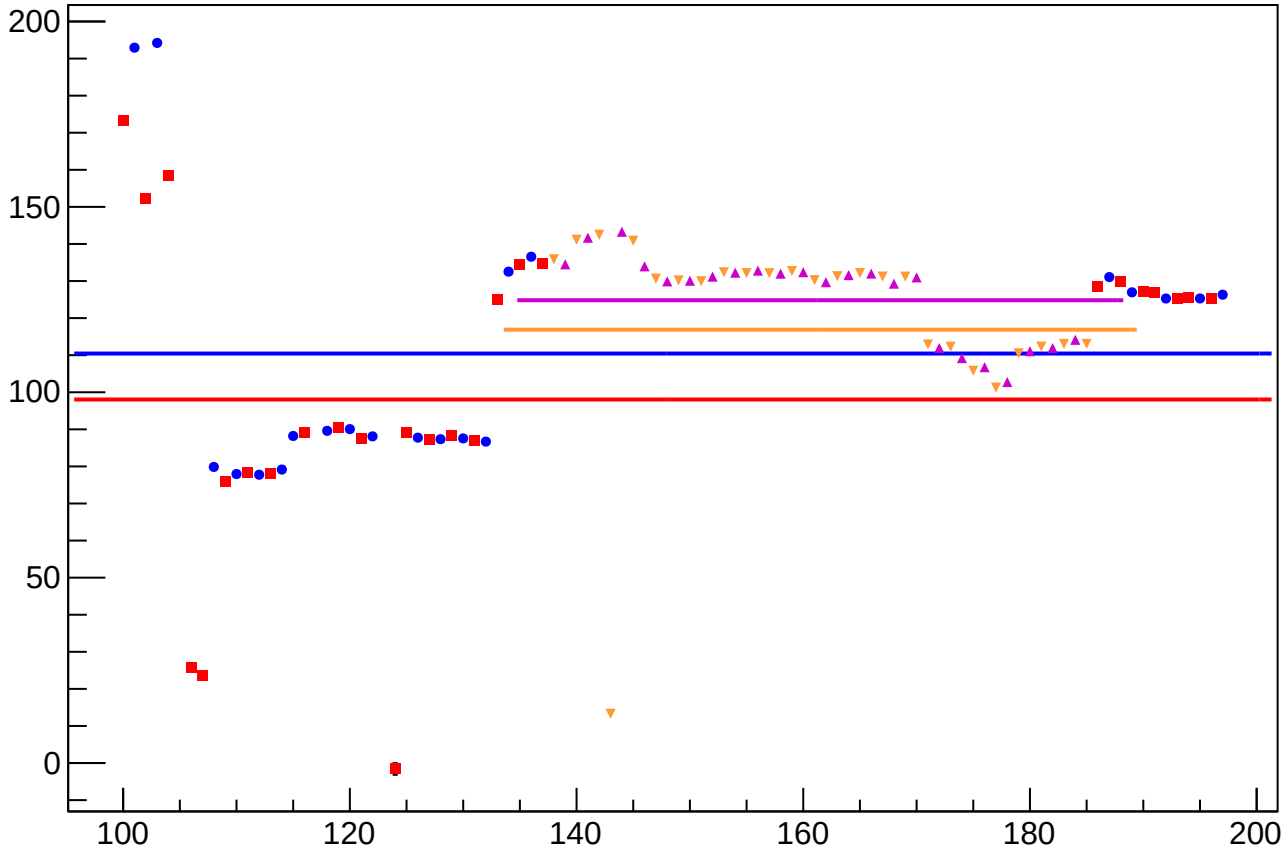
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -68.255+/-0.633 χ^2/NDF: 1360.7/45

All: -69.315+/-0.451 χ^2/NDF: 2290.2/94

- sign -70.413+/-0.644 χ^2/NDF: 923.8/48

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 110.446+/-0.062 χ^2/NDF: 259389.2/20

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 98.051+/-0.056 χ^2/NDF: 468868.6/25

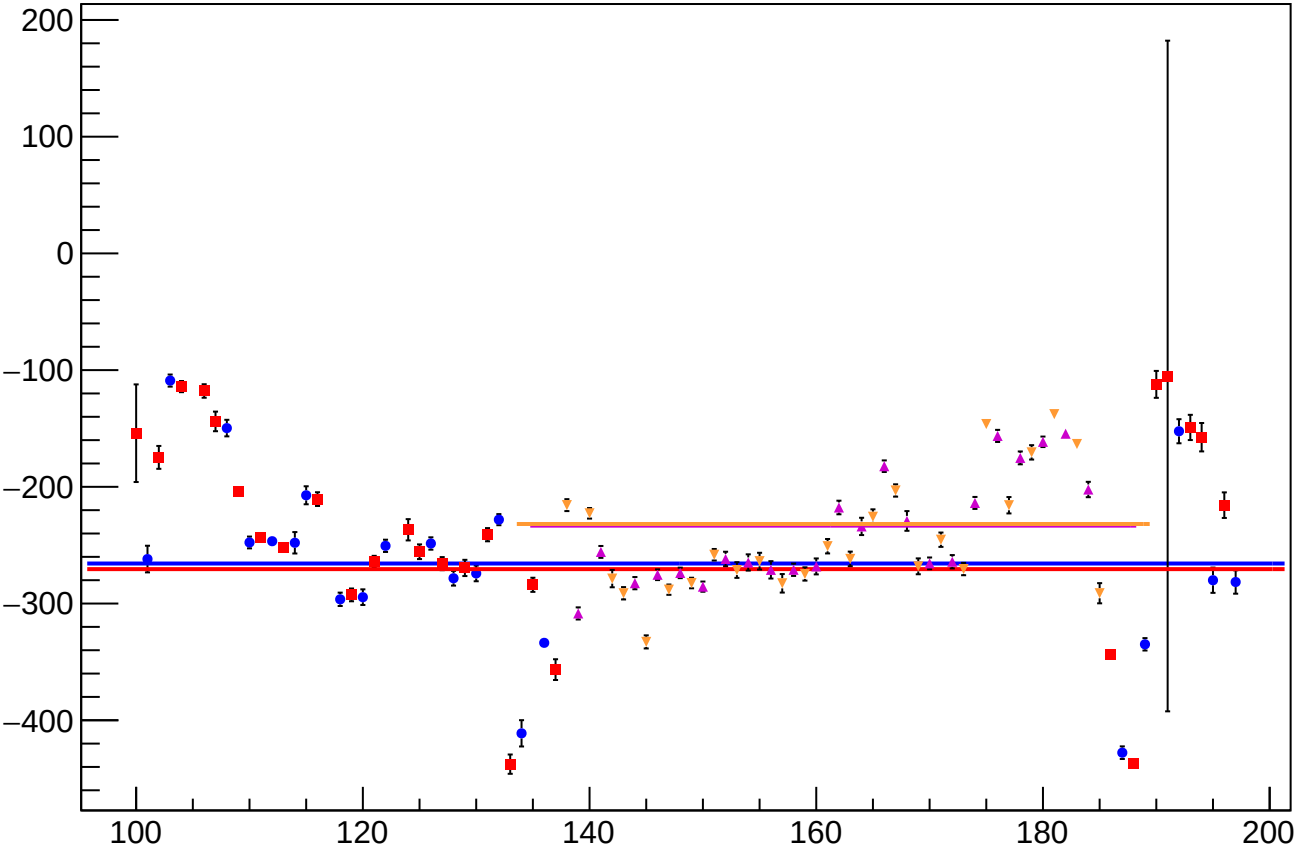
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 115.117+/-0.032 χ^2/NDF: 890321.1/45

All: 115.575+/-0.023 χ^2/NDF: 1599848.8/94

- sign 116.027+/-0.032 χ^2/NDF: 709131.3/48

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -265.711+/-1.312 χ^2/NDF: 3034.6/20

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -270.513+/-1.136 χ^2/NDF: 7208.1/25

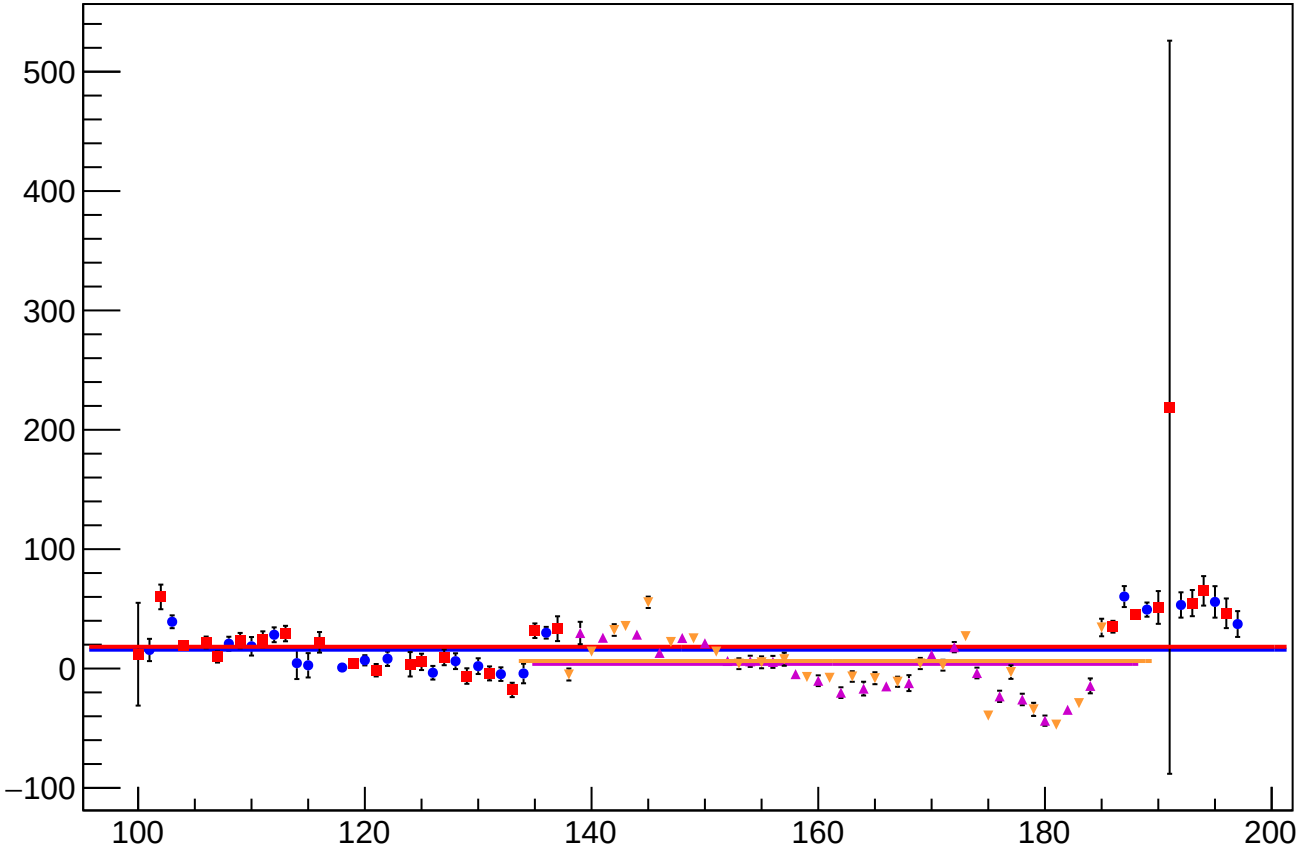
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.528+/-0.834 χ^2/NDF: 6108.3/45

All: -248.618+/-0.575 χ^2/NDF: 15960.8/94

- sign -251.412+/-0.793 χ^2/NDF: 9826.3/48

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 15.784+/-1.378 χ^2/NDF: 179.1/20

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 18.225+/-1.226 χ^2/NDF: 228.7/25

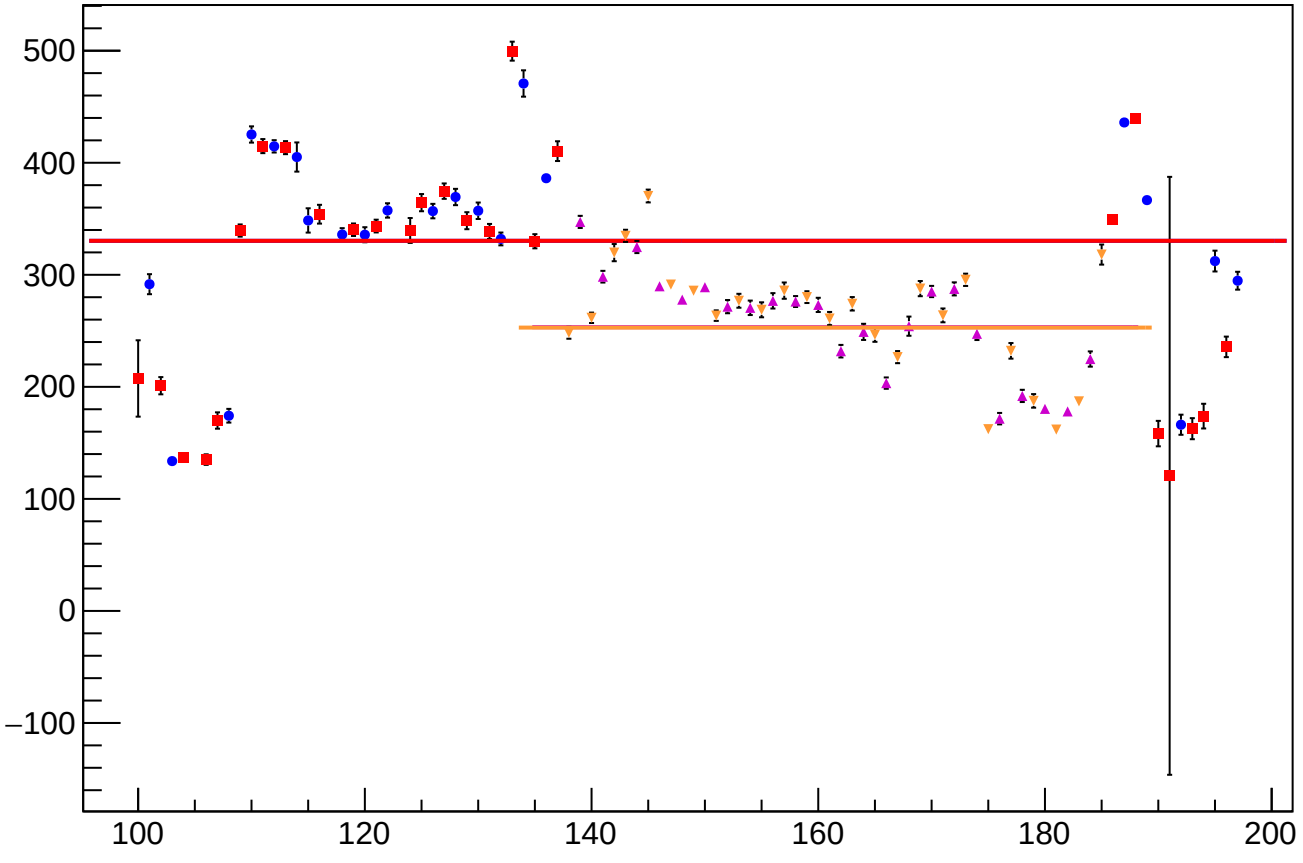
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 8.634+/-0.685 χ^2/NDF: 1086.3/45

All: 8.474+/-0.483 χ^2/NDF: 2059.8/94

- sign 8.316+/-0.681 χ^2/NDF: 973.3/48

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 330.321+/-1.363 χ^2/NDF: 4831.3/20

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 330.331+/-1.134 χ^2/NDF: 9161.2/25

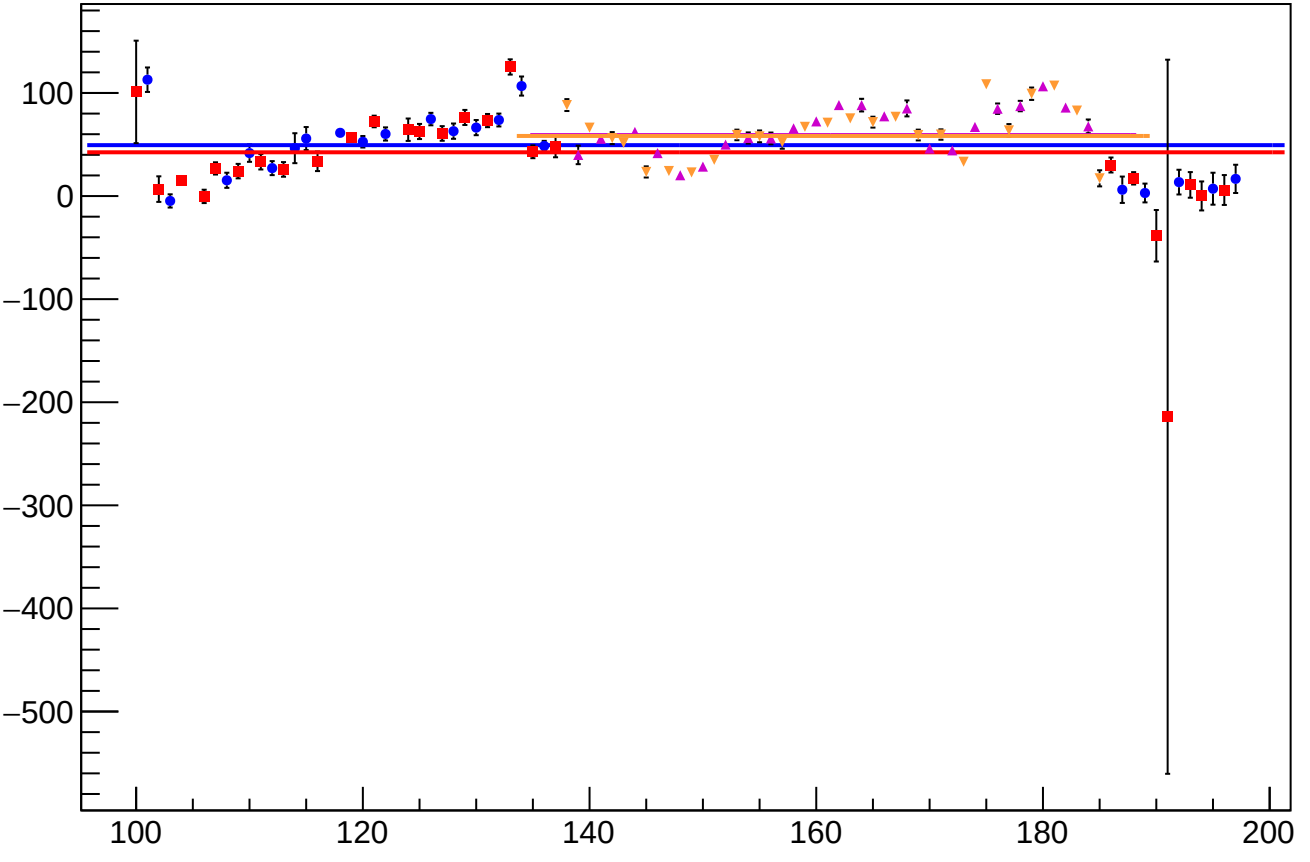
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

\+ sign 282.436+/-0.842 χ^2/NDF: 9407.2/45

All: 286.669+/-0.575 χ^2/NDF: 23069.1/94

\- sign 290.371+/-0.787 χ^2/NDF: 13614.4/48

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 49.388+/-1.620 χ^2/NDF: 282.5/20

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 42.454+/-1.477 χ^2/NDF: 386.1/25

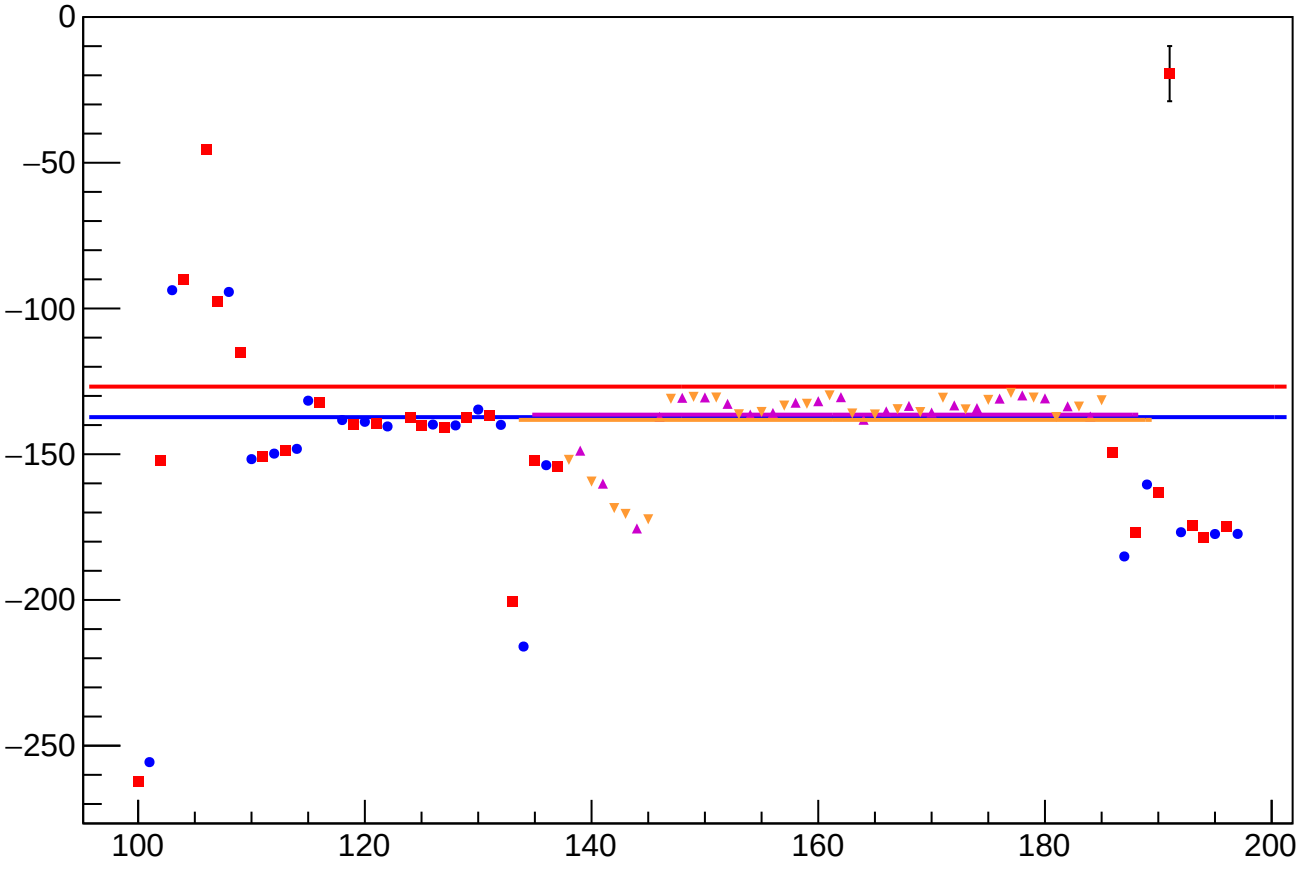
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 56.161+/-0.794 χ^2/NDF: 1155.8/45

All: 55.253+/-0.561 χ^2/NDF: 2268.0/94

- sign 54.349+/-0.792 χ^2/NDF: 1109.6/48

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -137.278+/-0.083 χ^2/NDF: 212585.4/20

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -126.805+/-0.077 χ^2/NDF: 293169.5/25

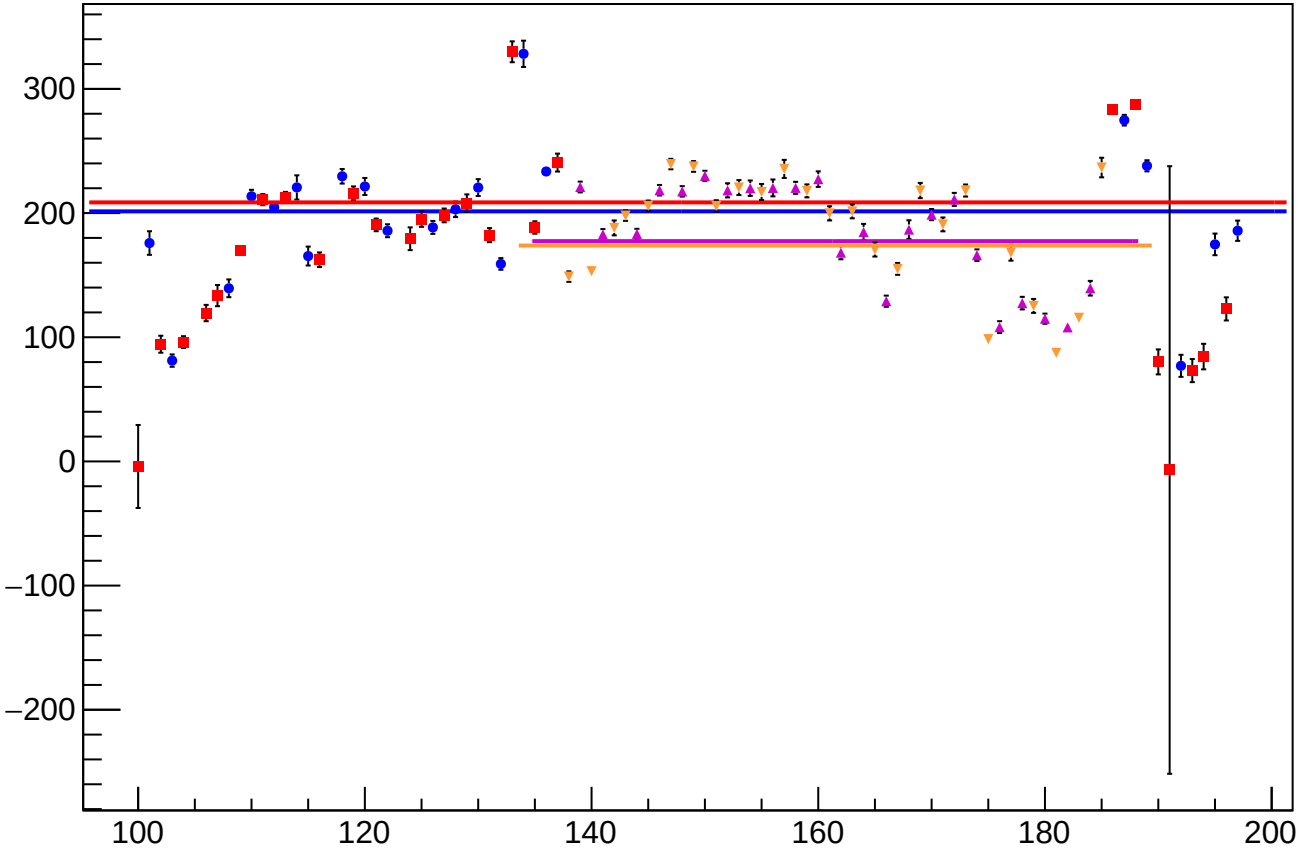
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -138.024+/-0.038 χ^2/NDF: 294514.7/45

All: -136.067+/-0.027 χ^2/NDF: 654681.2/94

- sign -134.154+/-0.037 χ^2/NDF: 354885.1/48

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 201.378+/-1.240 χ^2/NDF: 1630.4/20

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 208.611+/-1.068 χ^2/NDF: 3789.9/25

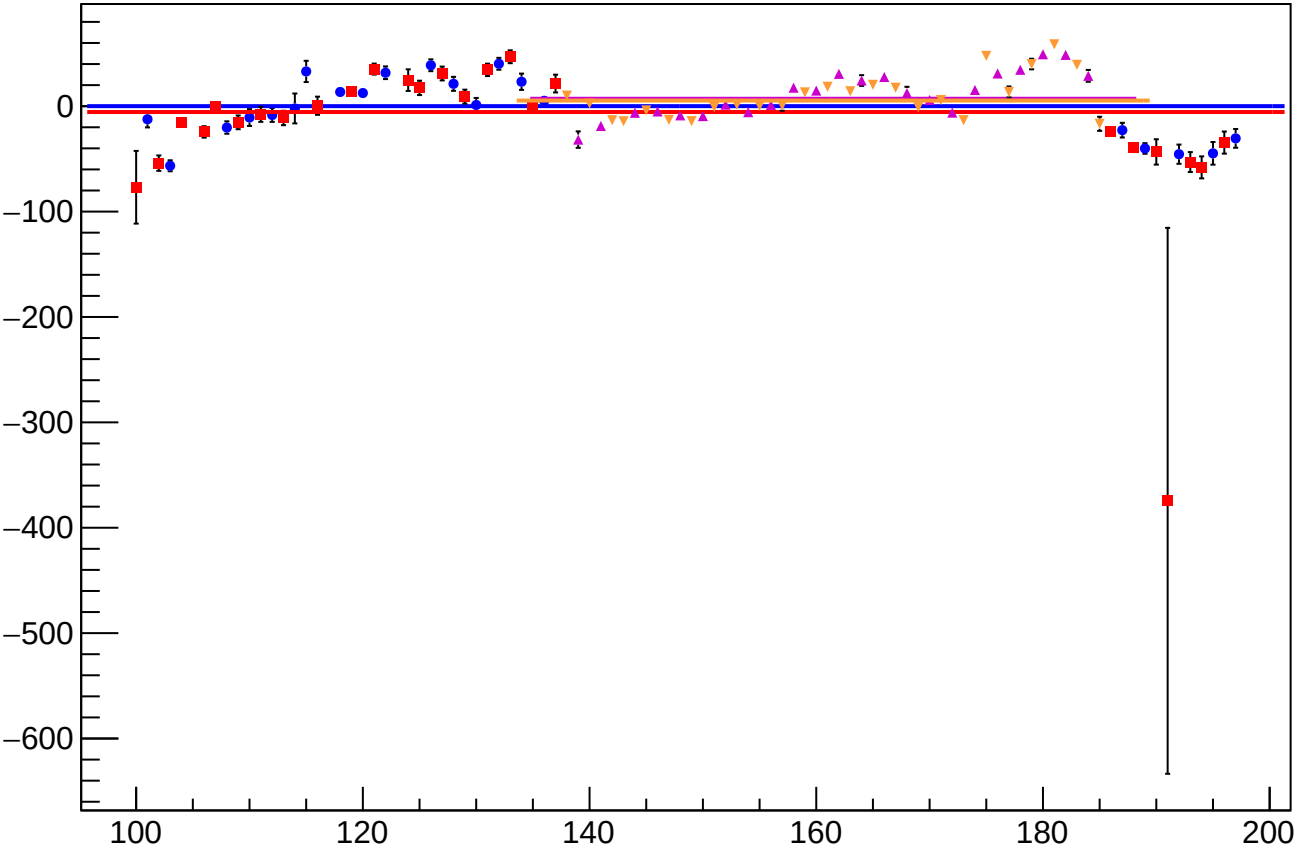
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

\+ sign 184.200+/-0.760 χ^2/NDF: 4565.3/45

All: 188.220+/-0.526 χ^2/NDF: 10828.7/94

\- sign 191.911+/-0.728 χ^2/NDF: 6209.7/48

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 0.053+/-1.320 χ^2/NDF: 444.4/20

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -5.519+/-1.172 χ^2/NDF: 546.8/25

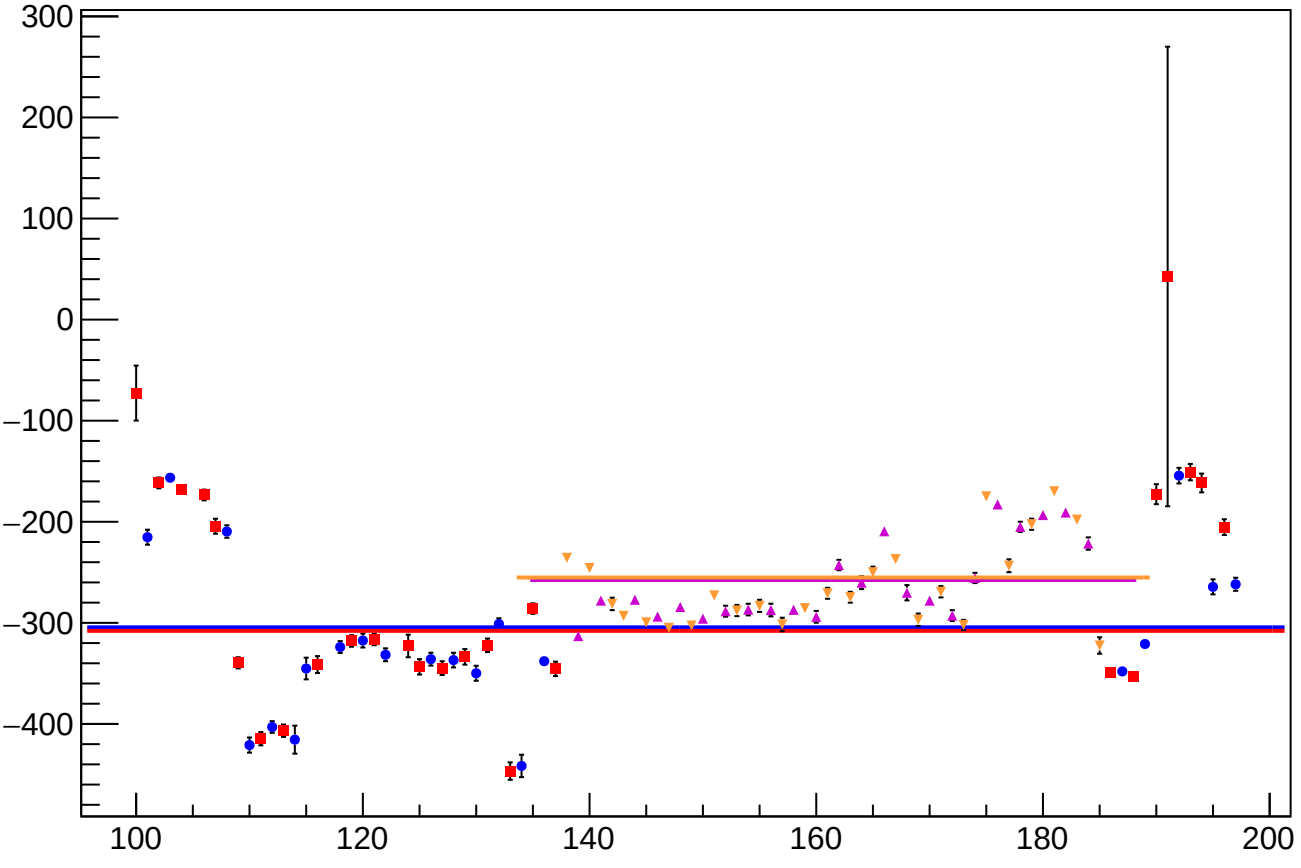
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 4.171+/-0.626 χ^2/NDF: 1266.9/45

All: 3.820+/-0.443 χ^2/NDF: 2606.2/94

- sign 3.468+/-0.627 χ^2/NDF: 1338.7/48

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -304.452+/-1.251 χ^2/NDF: 3408.6/20

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -307.865+/-1.033 χ^2/NDF: 5777.0/25

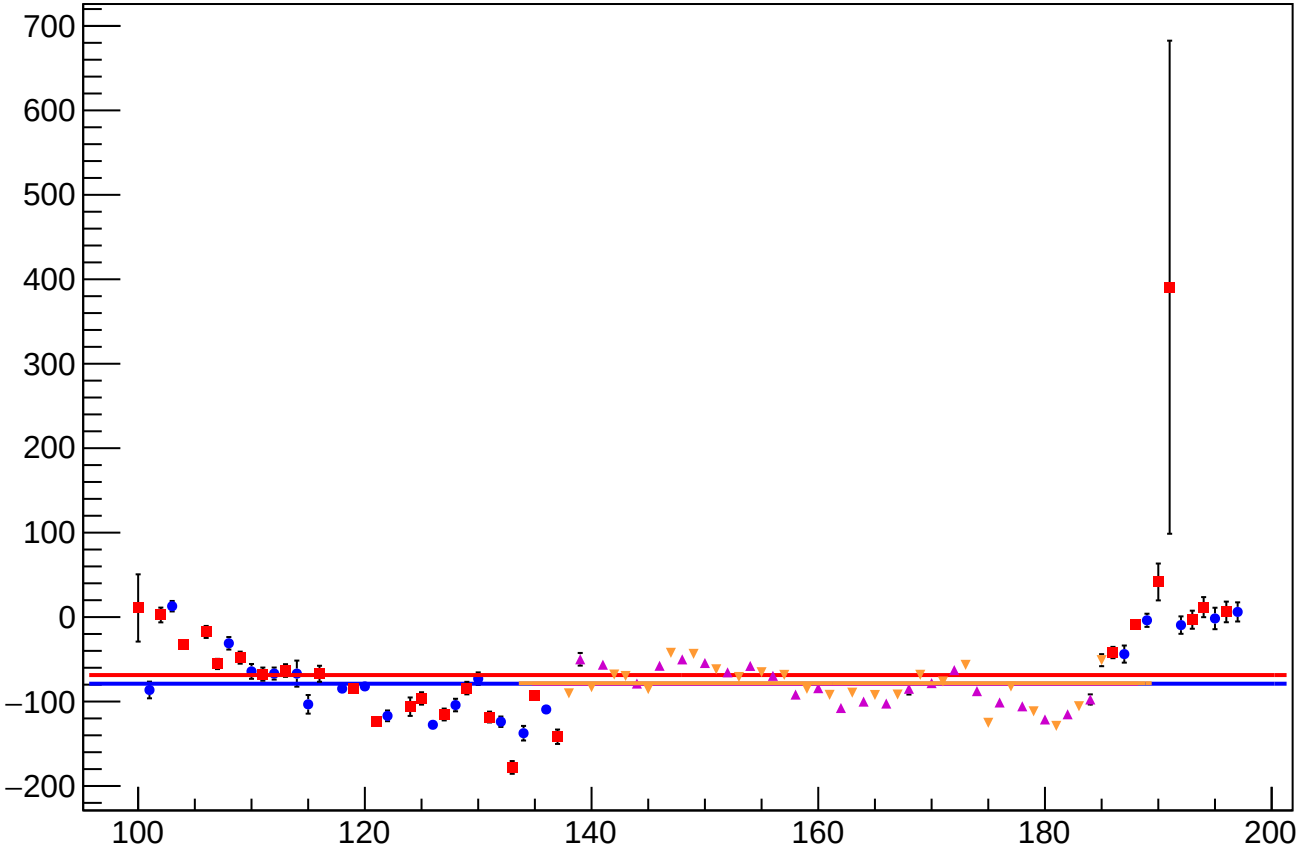
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

\+ sign -273.311+/-0.760 χ^2/NDF: 6734.6/45

All: -277.681+/-0.520 χ^2/NDF: 15621.9/94

\- sign -281.528+/-0.713 χ^2/NDF: 8825.1/48

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -78.889+/-1.553 χ^2/NDF: 786.3/20

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -68.646+/-1.420 χ^2/NDF: 1057.7/25

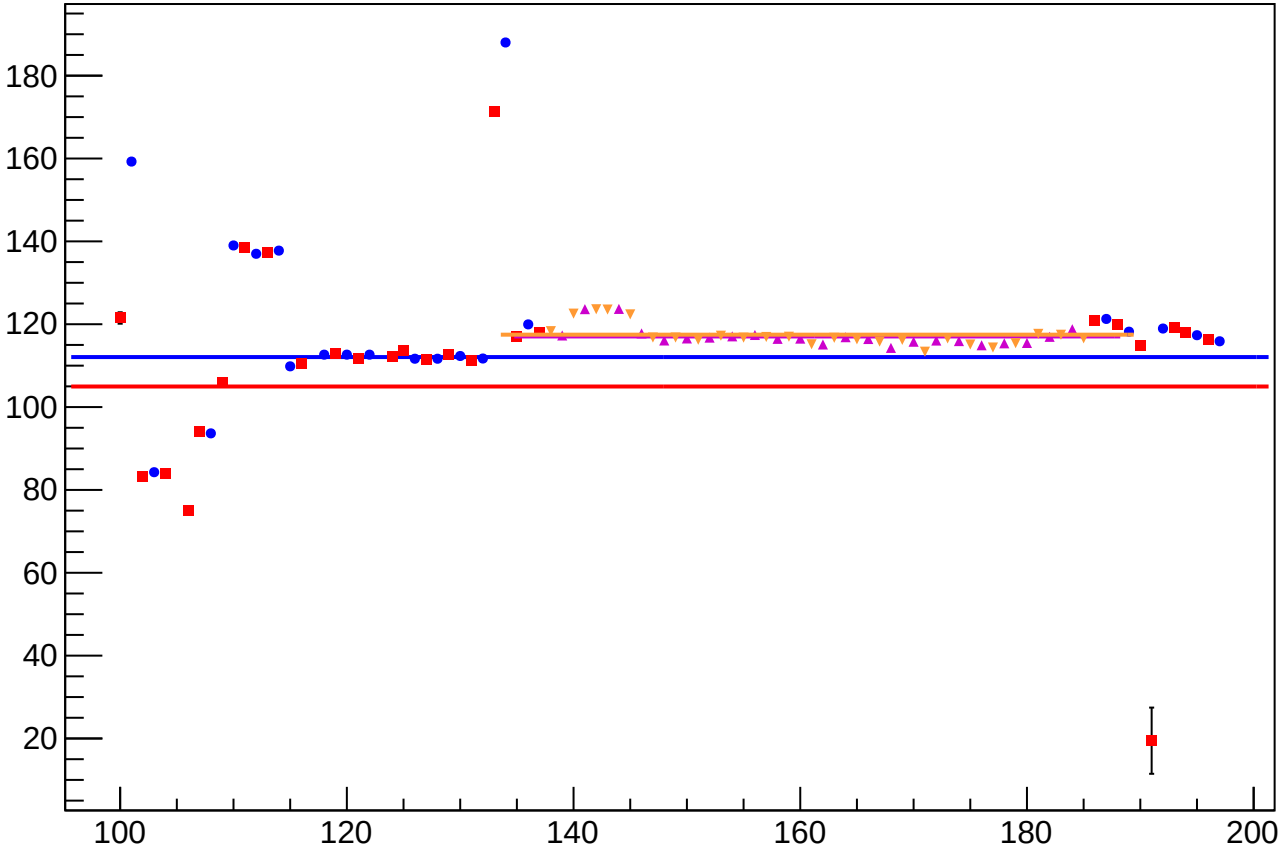
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

\+ sign -78.422+/-0.724 χ^2/NDF: 1654.6/45

All: -77.378+/-0.514 χ^2/NDF: 3458.7/94

\- sign -76.322+/-0.729 χ^2/NDF: 1800.0/48

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 112.071+/-0.077 χ^2/NDF: 85030.2/20

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 104.965+/-0.071 χ^2/NDF: 73146.3/25

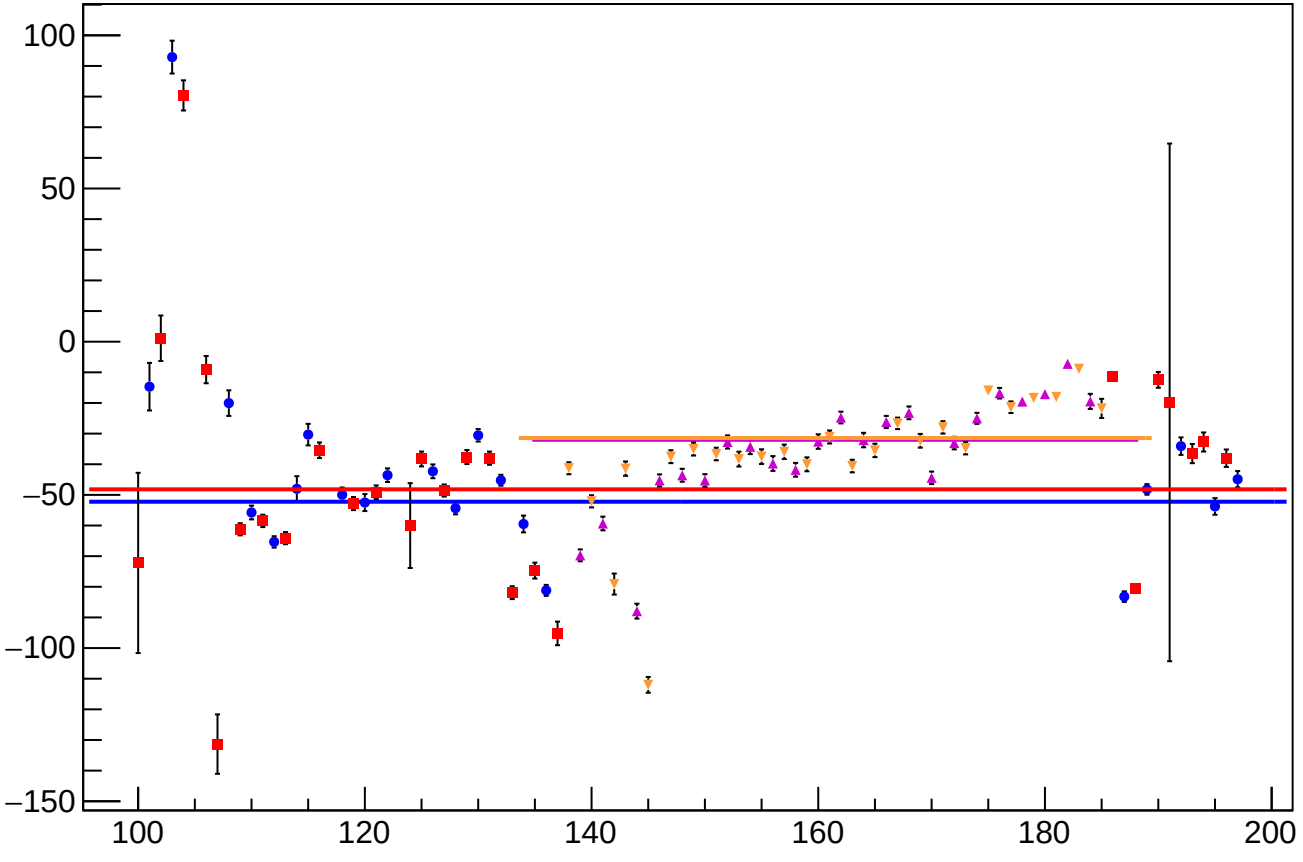
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.422+/-0.034 χ^2/NDF: 93716.2/45

All: 115.357+/-0.024 χ^2/NDF: 194382.0/94

- sign 114.302+/-0.034 χ^2/NDF: 98724.7/48

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -52.235+/-0.516 χ^2/NDF: 1716.0/20

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -48.187+/-0.442 χ^2/NDF: 4132.0/25

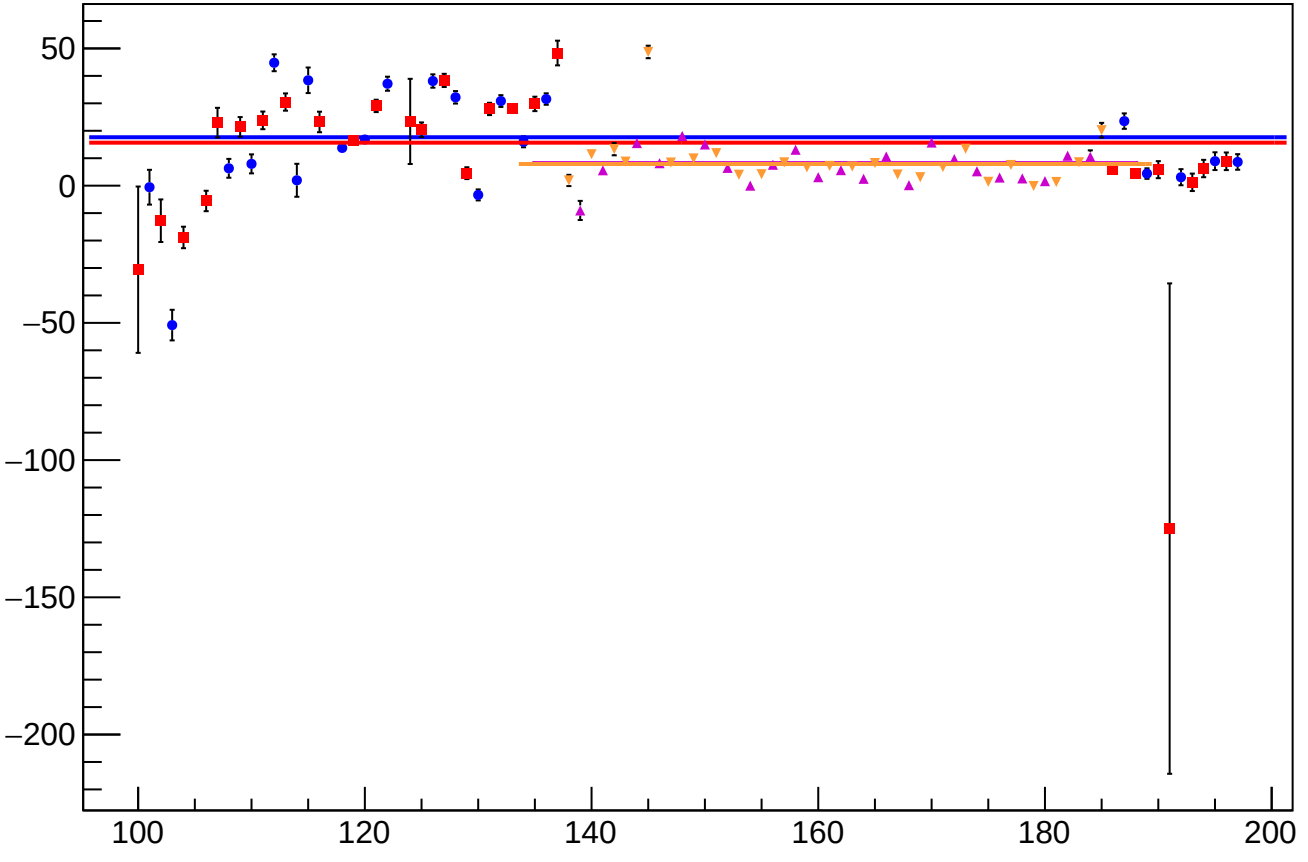
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -39.226+/-0.316 χ^2/NDF: 4723.7/45

All: -39.353+/-0.218 χ^2/NDF: 11489.5/94

- sign -39.469+/-0.300 χ^2/NDF: 6765.6/48

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 17.643+/-0.542 χ^2/NDF: 745.7/20

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 15.665+/-0.494 χ^2/NDF: 664.9/25

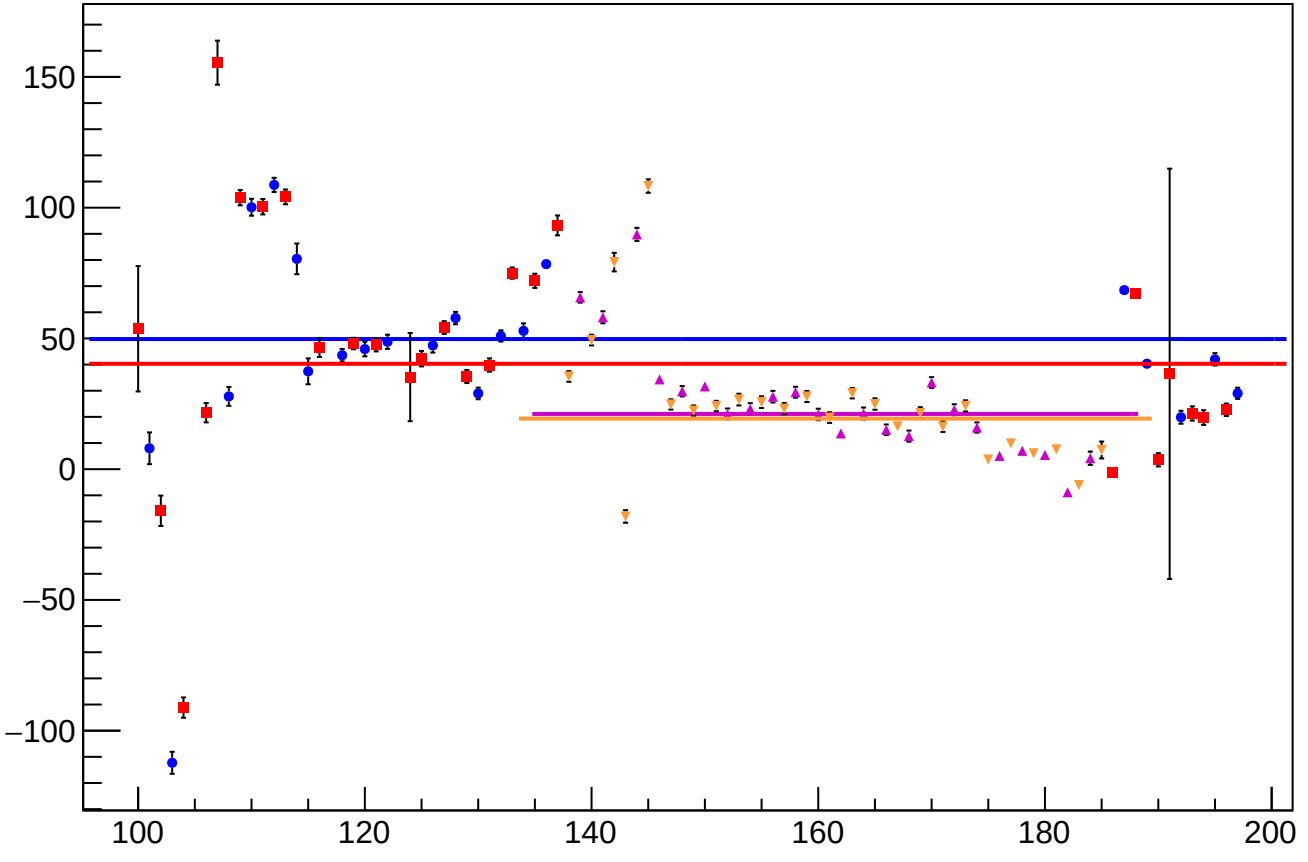
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.227+/-0.265 χ^2/NDF: 1482.2/45

All: 10.304+/-0.188 χ^2/NDF: 2647.4/94

\- sign 10.381+/-0.266 χ^2/NDF: 1165.1/48

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 49.765+/-0.528 χ^2/NDF: 3141.4/20

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 40.303+/-0.425 χ^2/NDF: 7411.0/25

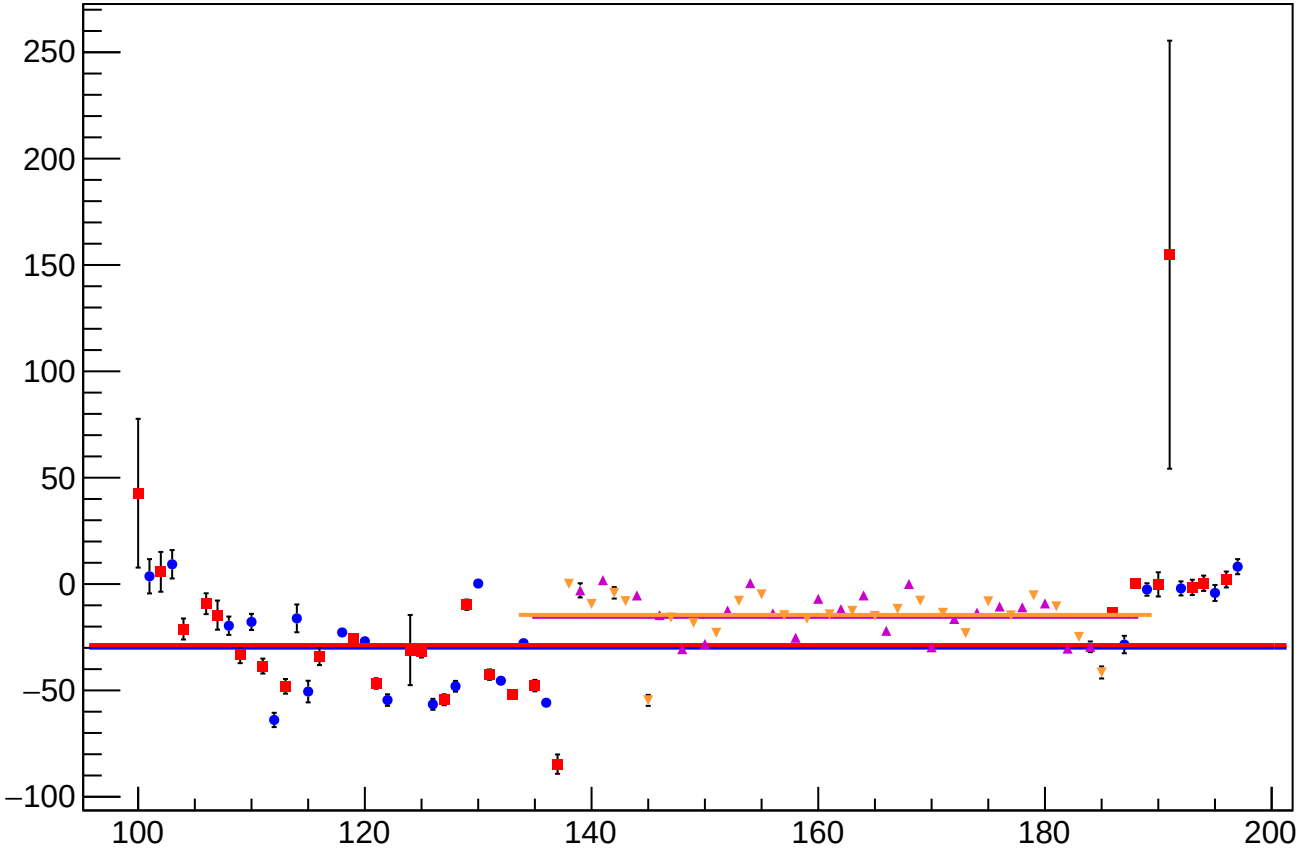
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 30.270+/-0.317 χ^2/NDF: 7949.1/45

All: 30.263+/-0.215 χ^2/NDF: 18933.9/94

\- sign 30.257+/-0.293 χ^2/NDF: 10984.8/48

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -29.877+/-0.638 χ^2/NDF: 1148.9/20

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -28.674+/-0.605 χ^2/NDF: 1171.4/25

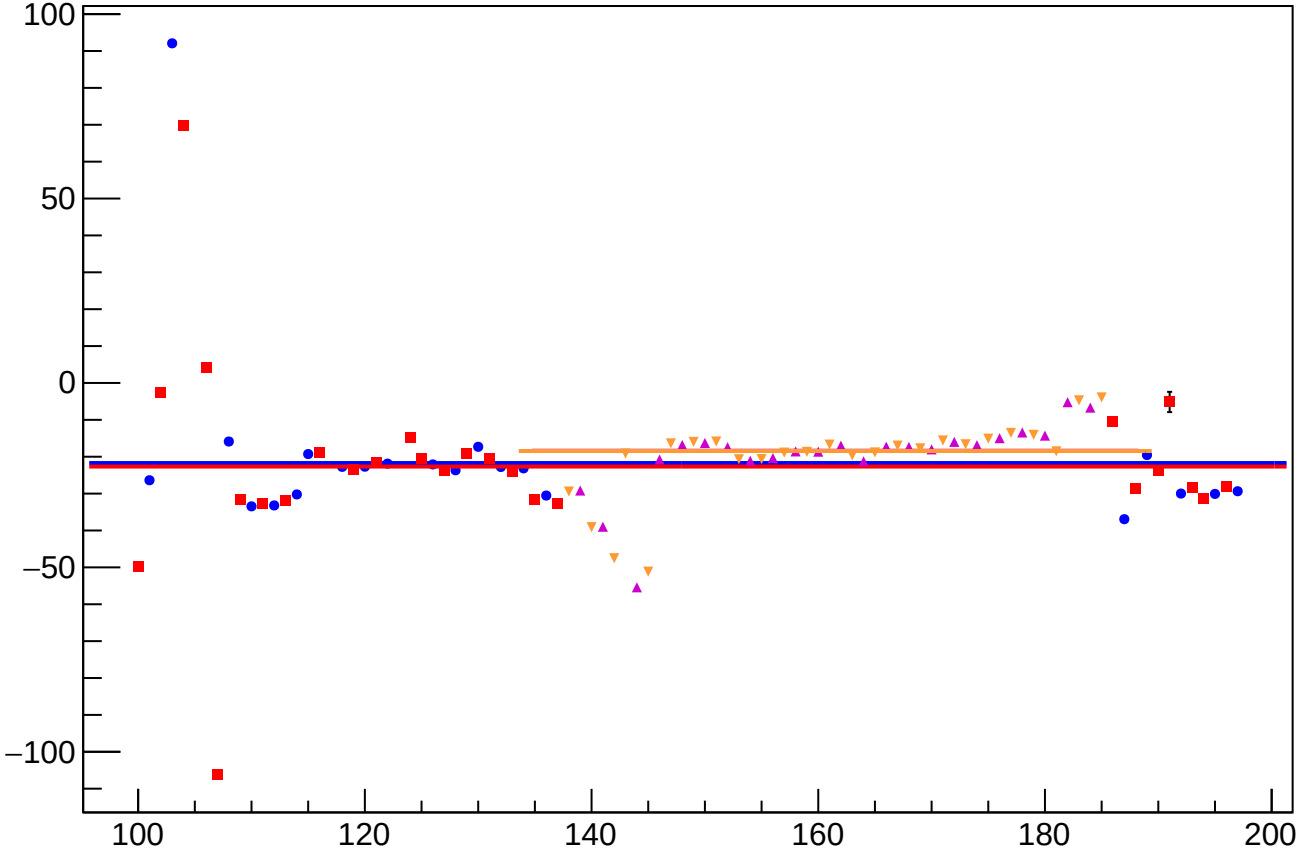
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -17.966+/-0.303 χ^2/NDF: 2240.1/45

All: -18.387+/-0.215 χ^2/NDF: 4571.3/94

- sign -18.817+/-0.306 χ^2/NDF: 2327.2/48

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.714+/-0.034 χ^2/NDF: 454687.0/20

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.667+/-0.033 χ^2/NDF: 373383.7/25

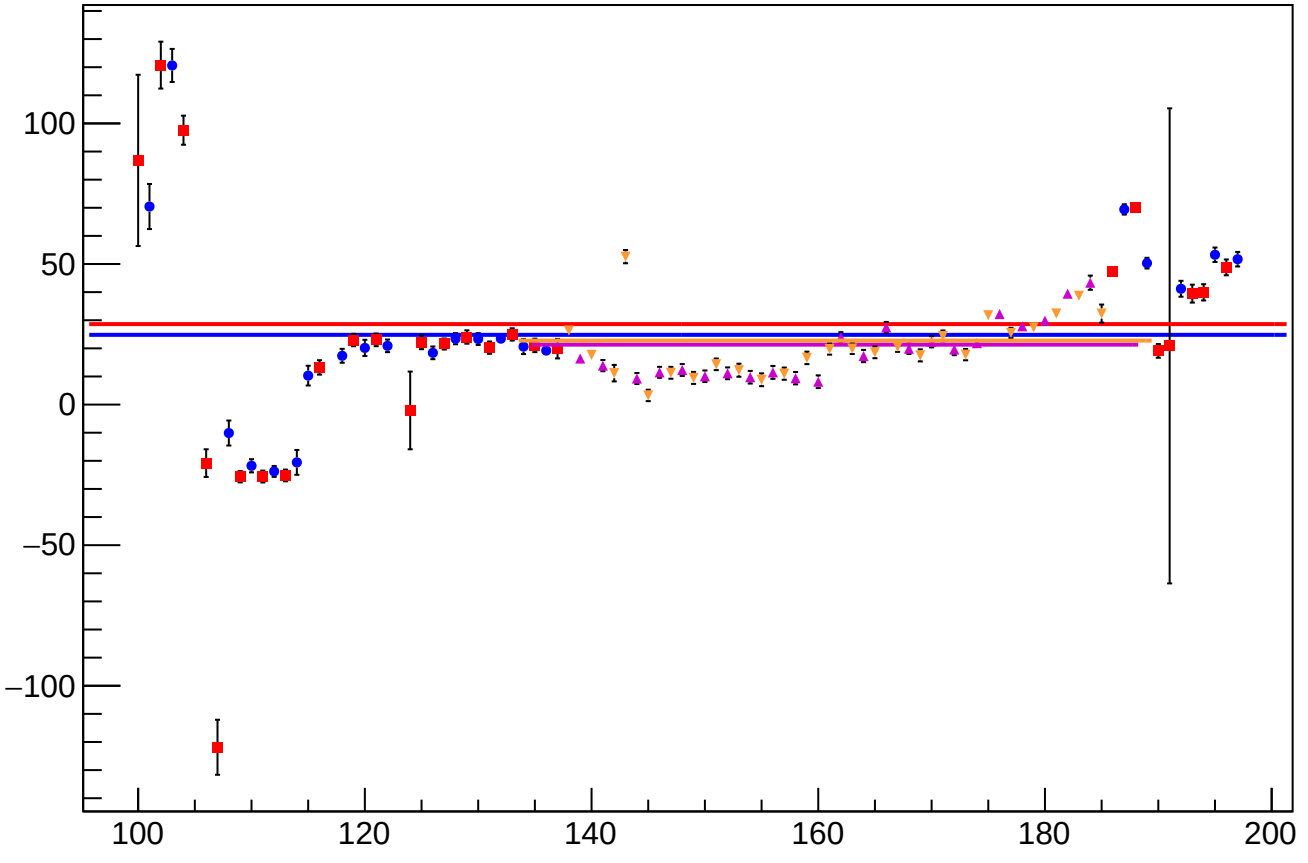
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.004+/-0.014 χ^2/NDF: 757596.7/45

All: -19.079+/-0.010 χ^2/NDF: 1394525.7/94

- sign -19.156+/-0.014 χ^2/NDF: 636871.5/48

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 24.809+/-0.524 χ^2/NDF: 2567.8/20

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 28.624+/-0.465 χ^2/NDF: 4605.5/25

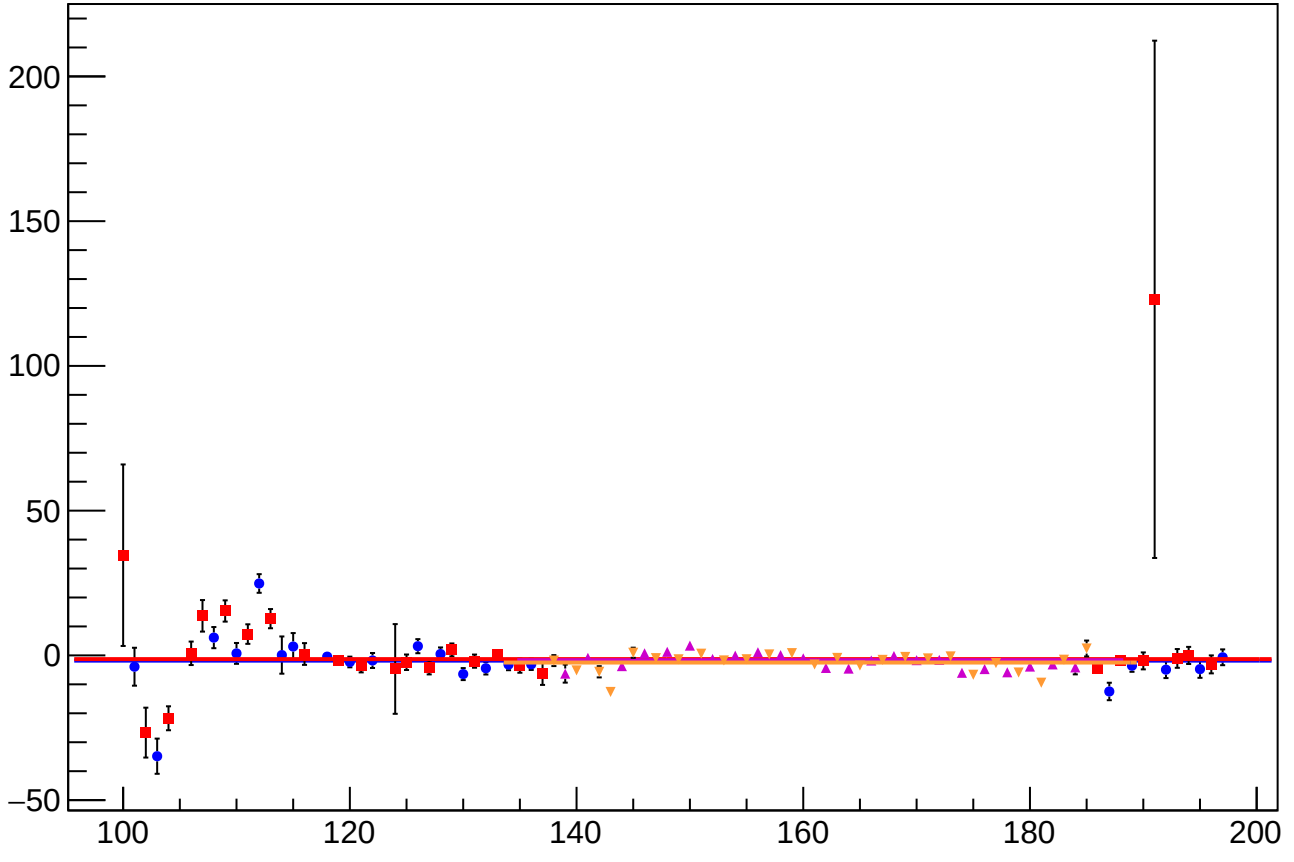
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 23.477+/-0.309 χ^2/NDF: 3300.5/45

All: 23.934+/-0.215 χ^2/NDF: 8684.0/94

- sign 24.365+/-0.300 χ^2/NDF: 5379.2/48

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.803+/-0.550 χ^2/NDF: 133.6/20

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.288+/-0.517 χ^2/NDF: 101.8/25

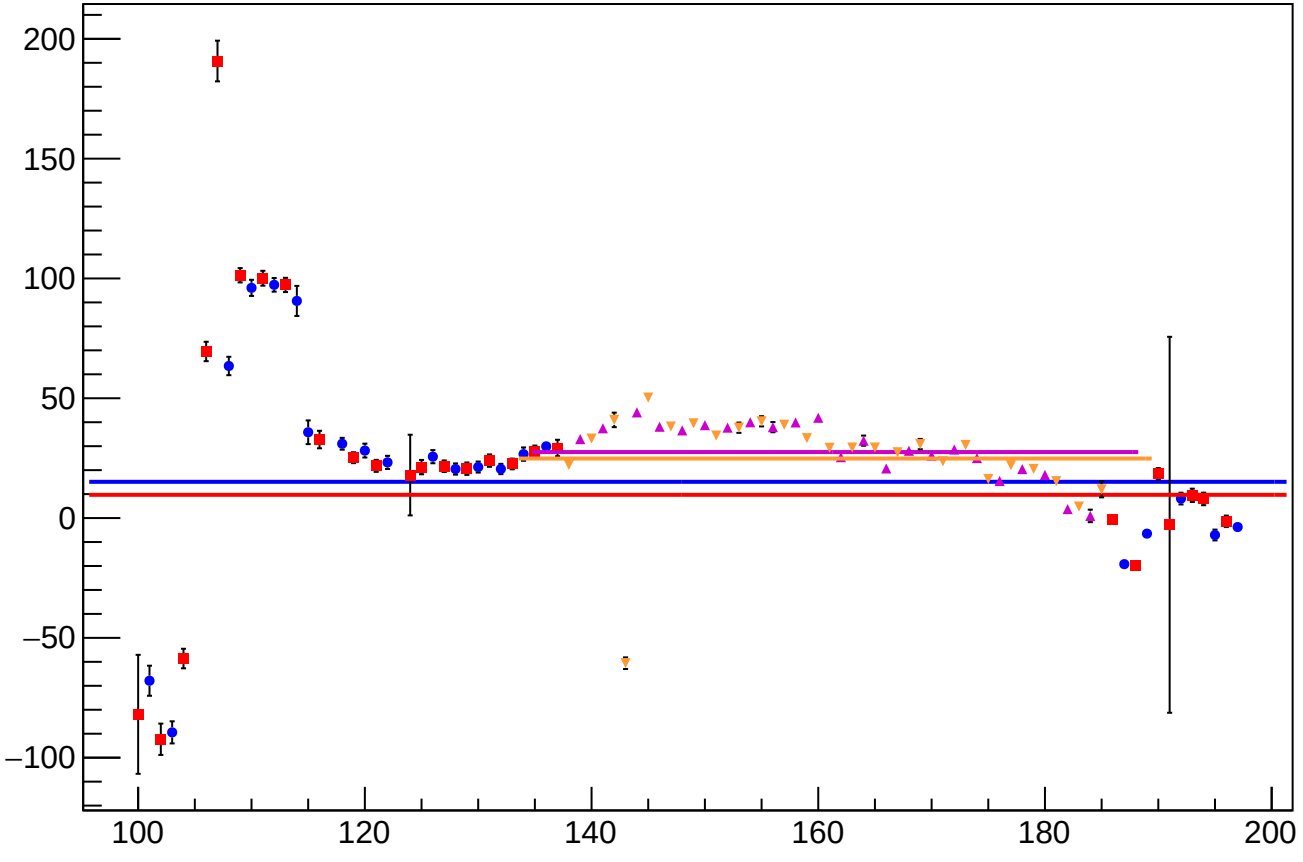
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.321+/-0.259 χ^2/NDF: 251.4/45

All: -1.947+/-0.184 χ^2/NDF: 428.0/94

- sign -1.564+/-0.262 χ^2/NDF: 172.4/48

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 15.130+/-0.539 χ^2/NDF: 3498.6/20

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.704+/-0.454 χ^2/NDF: 5478.9/25

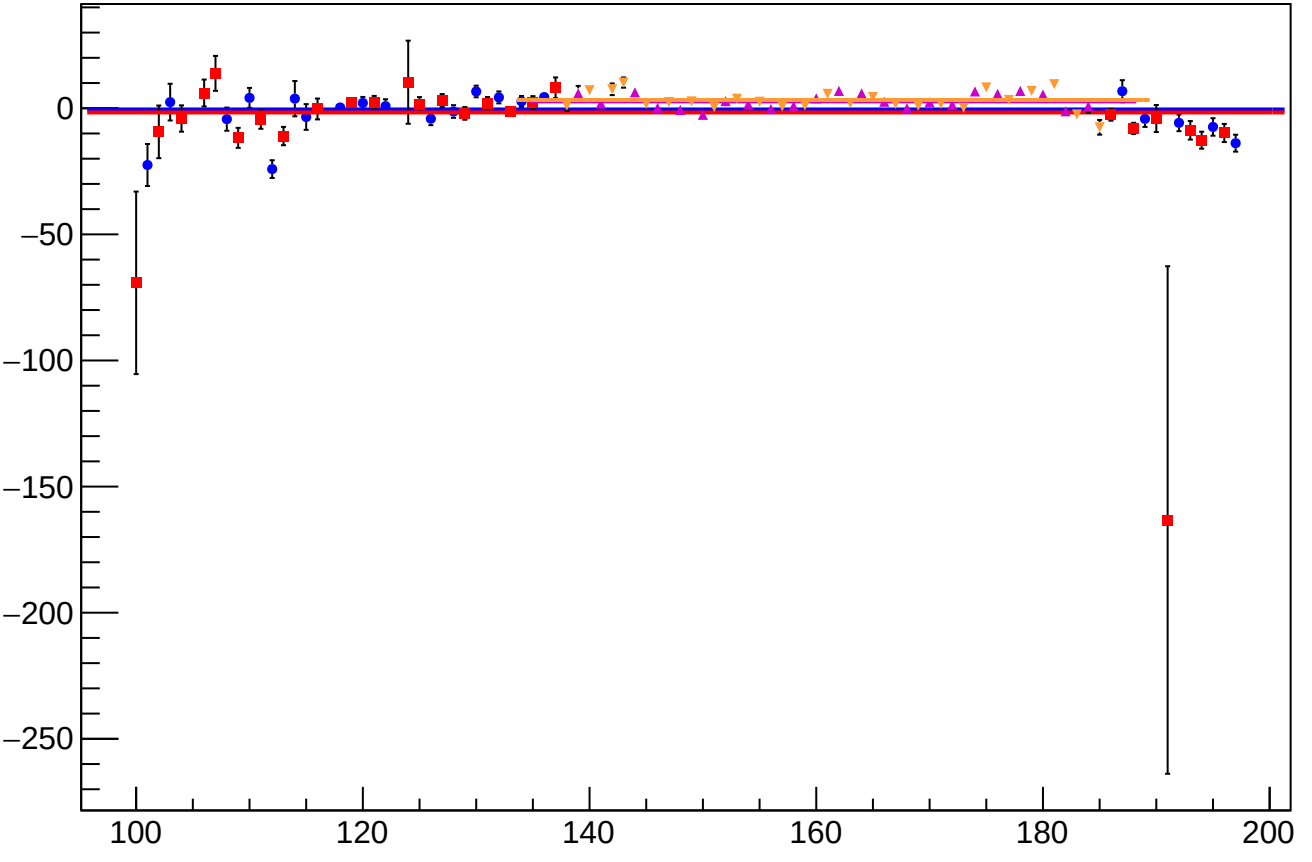
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 21.624+/-0.310 χ^2/NDF: 5764.6/45

All: 20.773+/-0.214 χ^2/NDF: 13030.8/94

- sign 20.001+/-0.295 χ^2/NDF: 7251.8/48

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.479+/-0.642 χ^2/NDF: 107.5/20

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -1.663+/-0.625 χ^2/NDF: 78.2/25

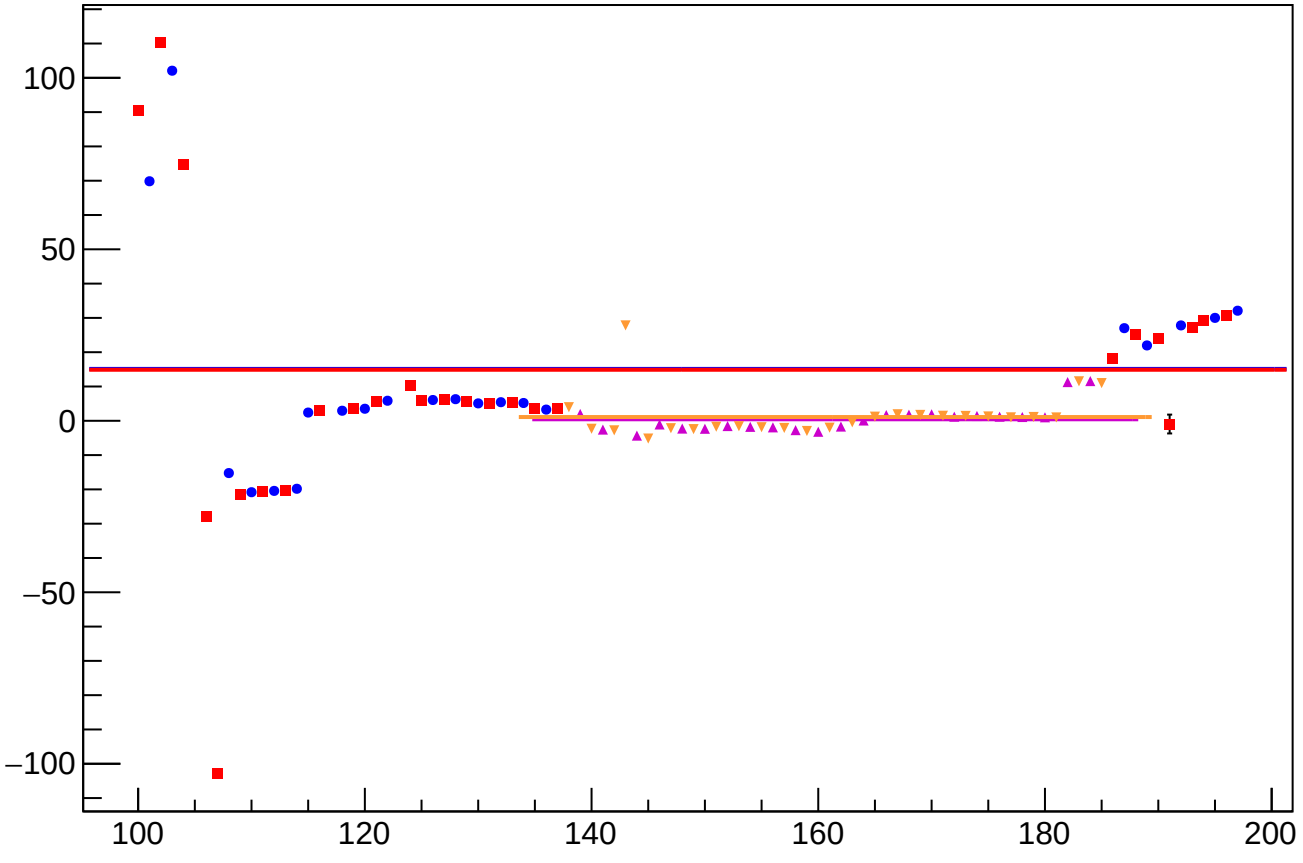
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.494+/-0.294 χ^2/NDF: 240.9/45

All: 2.114+/-0.210 χ^2/NDF: 435.0/94

- sign 1.718+/-0.300 χ^2/NDF: 190.6/48

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 15.128+/-0.034 χ^2/NDF: 422255.4/20

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 14.884+/-0.034 χ^2/NDF: 553028.4/25

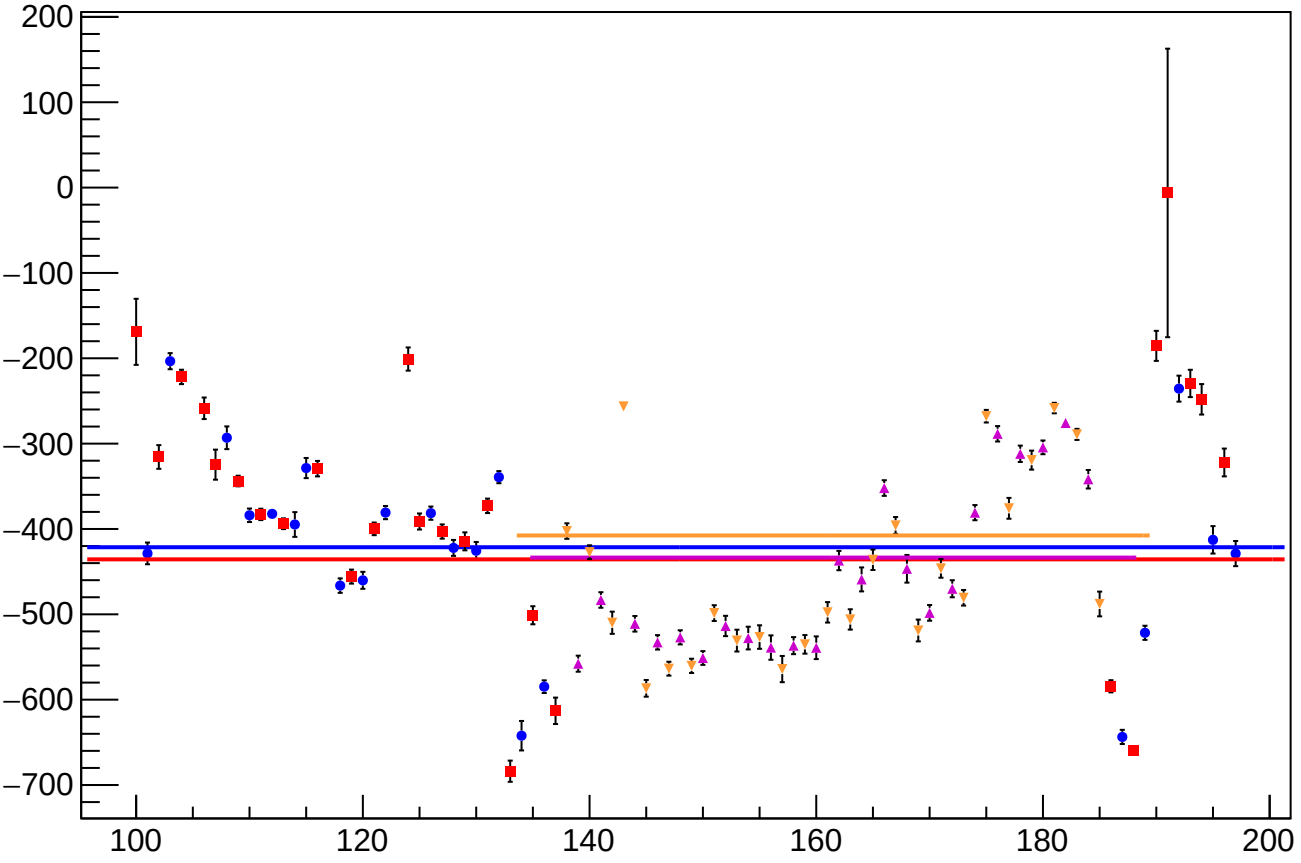
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 3.380+/-0.014 χ^2/NDF: 696746.7/45

All: 3.120+/-0.010 χ^2/NDF: 1456918.9/94

- sign 2.853+/-0.014 χ^2/NDF: 759432.2/48

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -421.390+/-2.033 χ^2/NDF: 2651.6/20

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -435.605+/-1.805 χ^2/NDF: 6028.2/25

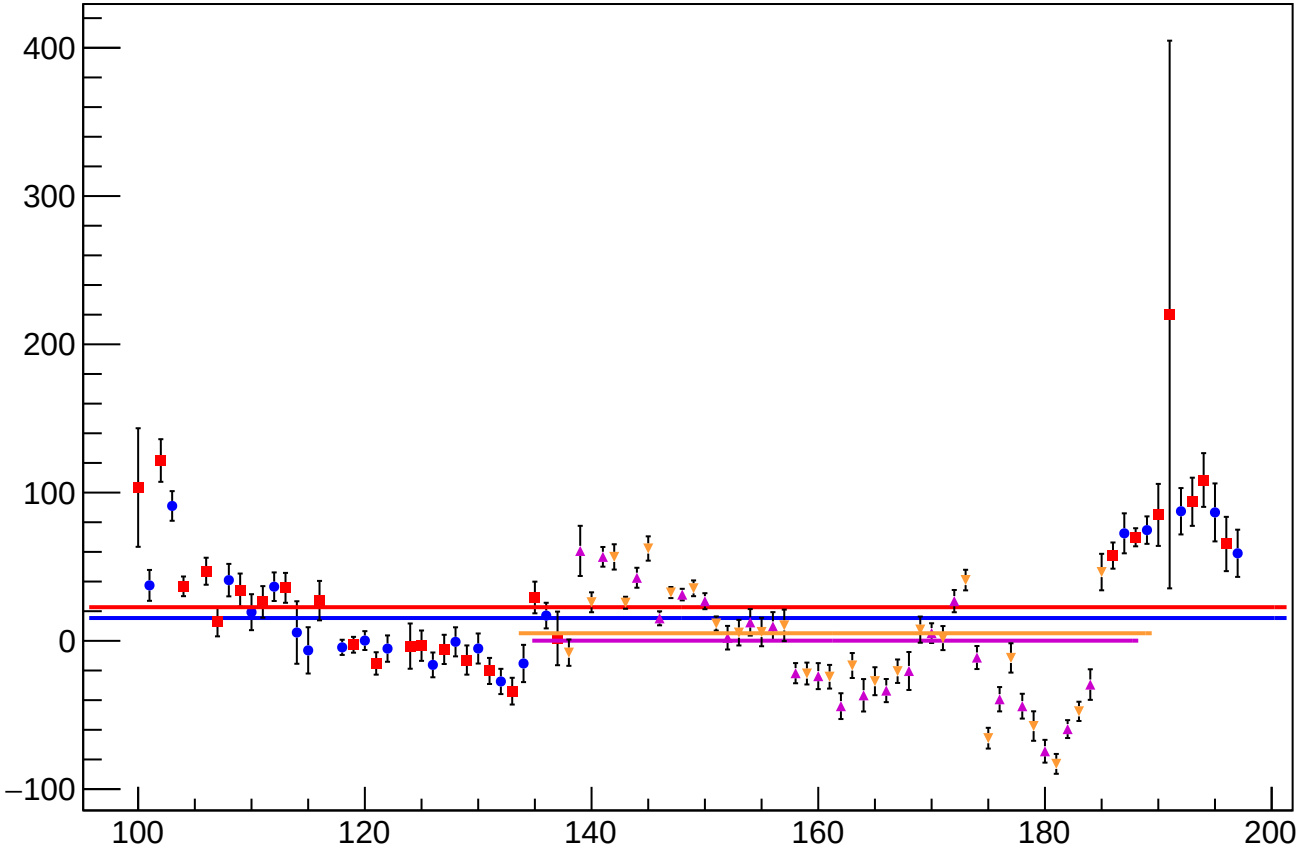
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -413.923+/-1.376 χ^2/NDF: 6682.1/45

All: -424.585+/-0.959 χ^2/NDF: 15552.3/94

- sign -434.670+/-1.338 χ^2/NDF: 8753.3/48

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.391+/-2.118 χ^2/NDF: 253.5/20

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 22.706+/-1.965 χ^2/NDF: 343.0/25

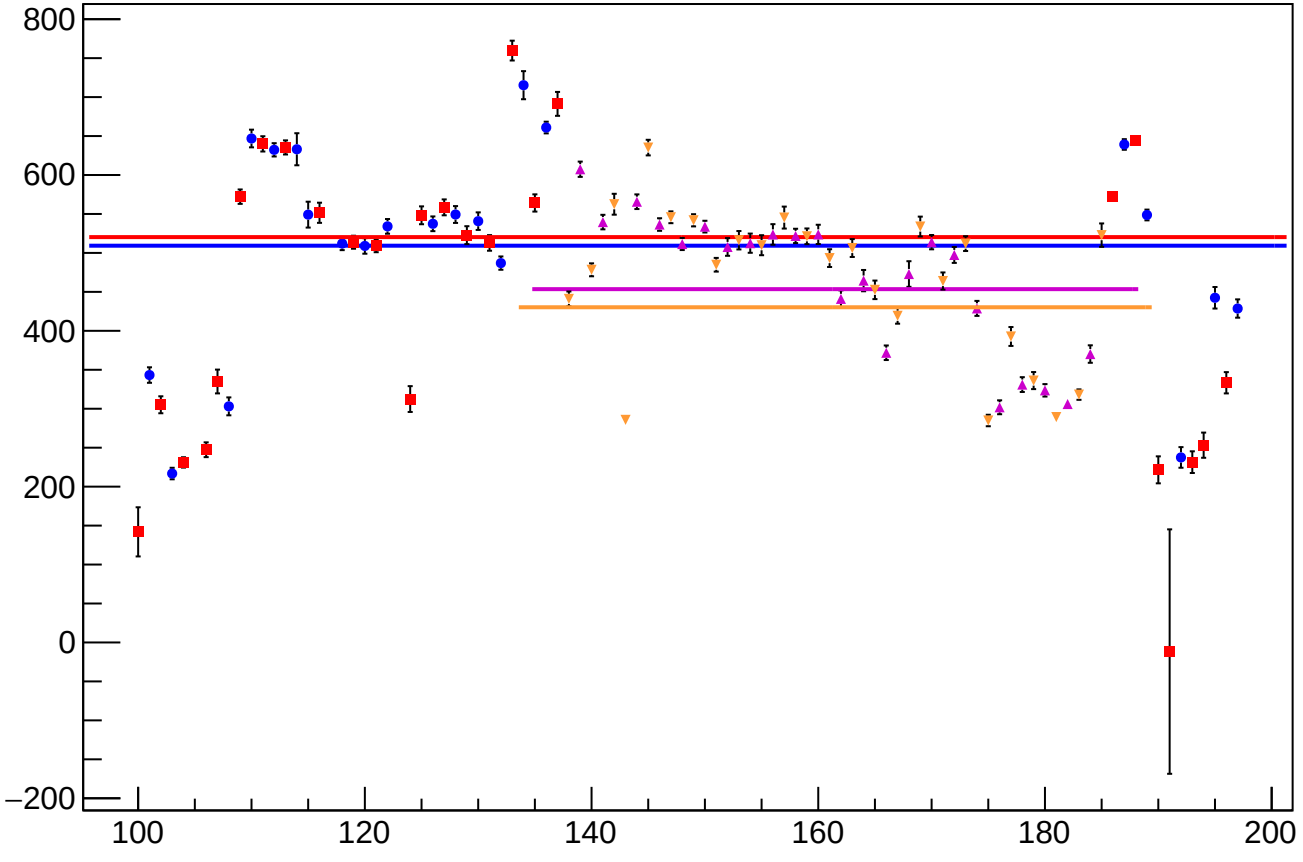
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 8.180+/-1.155 χ^2/NDF: 959.1/45

All: 8.269+/-0.828 χ^2/NDF: 1954.6/94

- sign 8.364+/-1.187 χ^2/NDF: 995.4/48

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 509.262+/-2.125 χ^2/NDF: 4030.4/20

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 520.294+/-1.818 χ^2/NDF: 6949.1/25

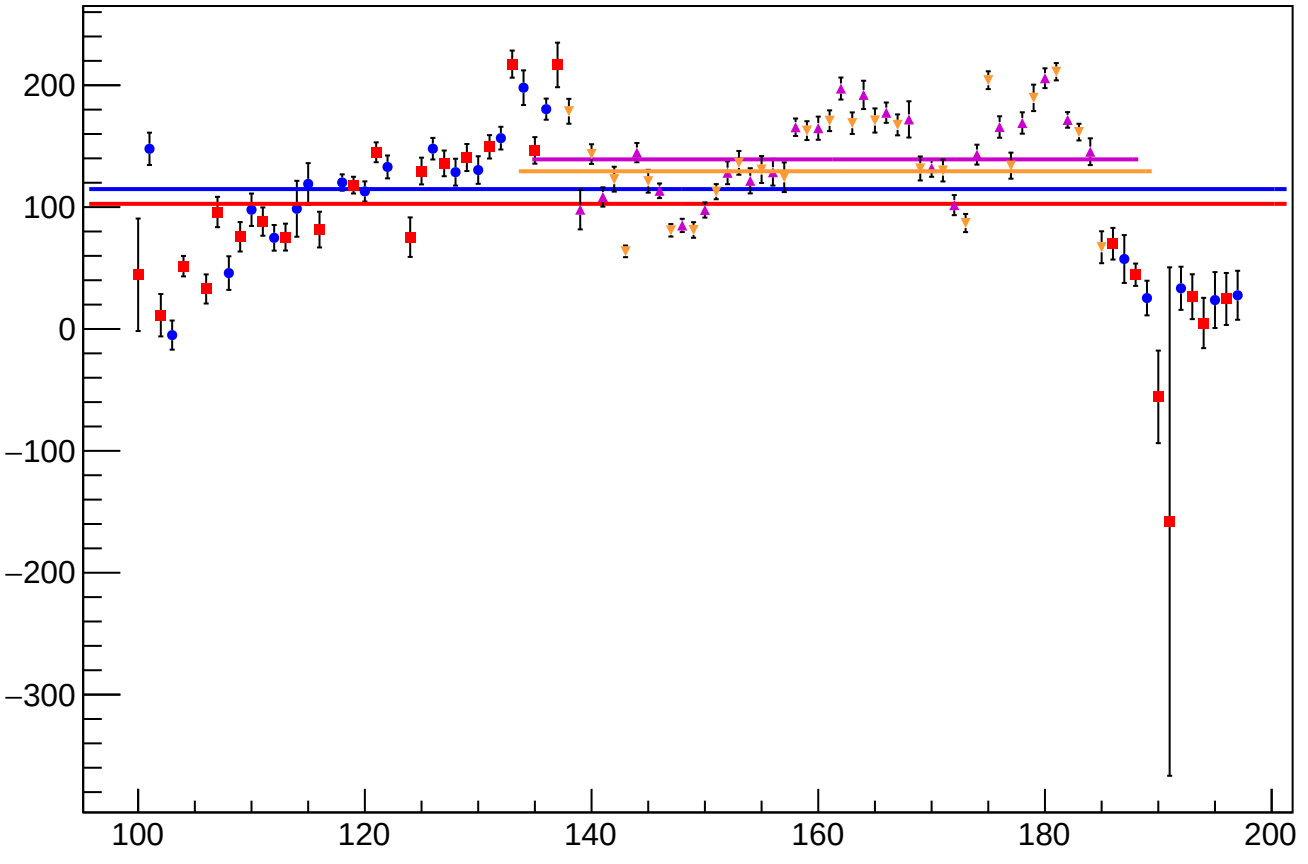
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 464.545+/-1.400 χ^2/NDF: 8218.3/45

All: 477.665+/-0.967 χ^2/NDF: 18374.6/94

- sign 489.635+/-1.337 χ^2/NDF: 9988.3/48

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 114.784+/-2.500 χ^2/NDF: 385.8/20

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 102.686+/-2.354 χ^2/NDF: 481.5/25

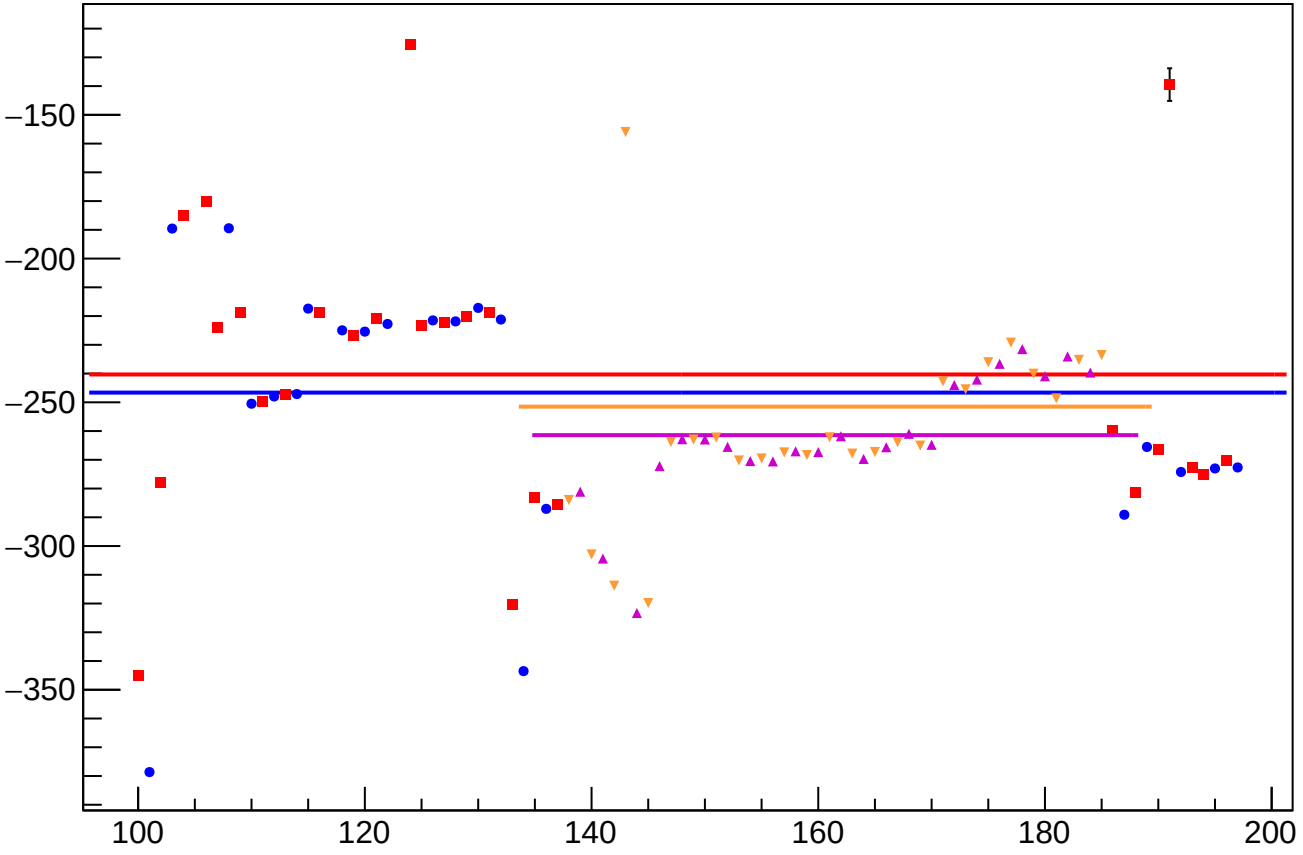
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

\+ sign 125.194+/-1.343 χ^2/NDF: 1224.4/45

All: 125.884+/-0.963 χ^2/NDF: 2298.2/94

\- sign 126.613+/-1.381 χ^2/NDF: 1073.2/48

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -246.620+/-0.135 χ^2/NDF: 143414.0/20

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -240.313+/-0.128 χ^2/NDF: 105021.8/25

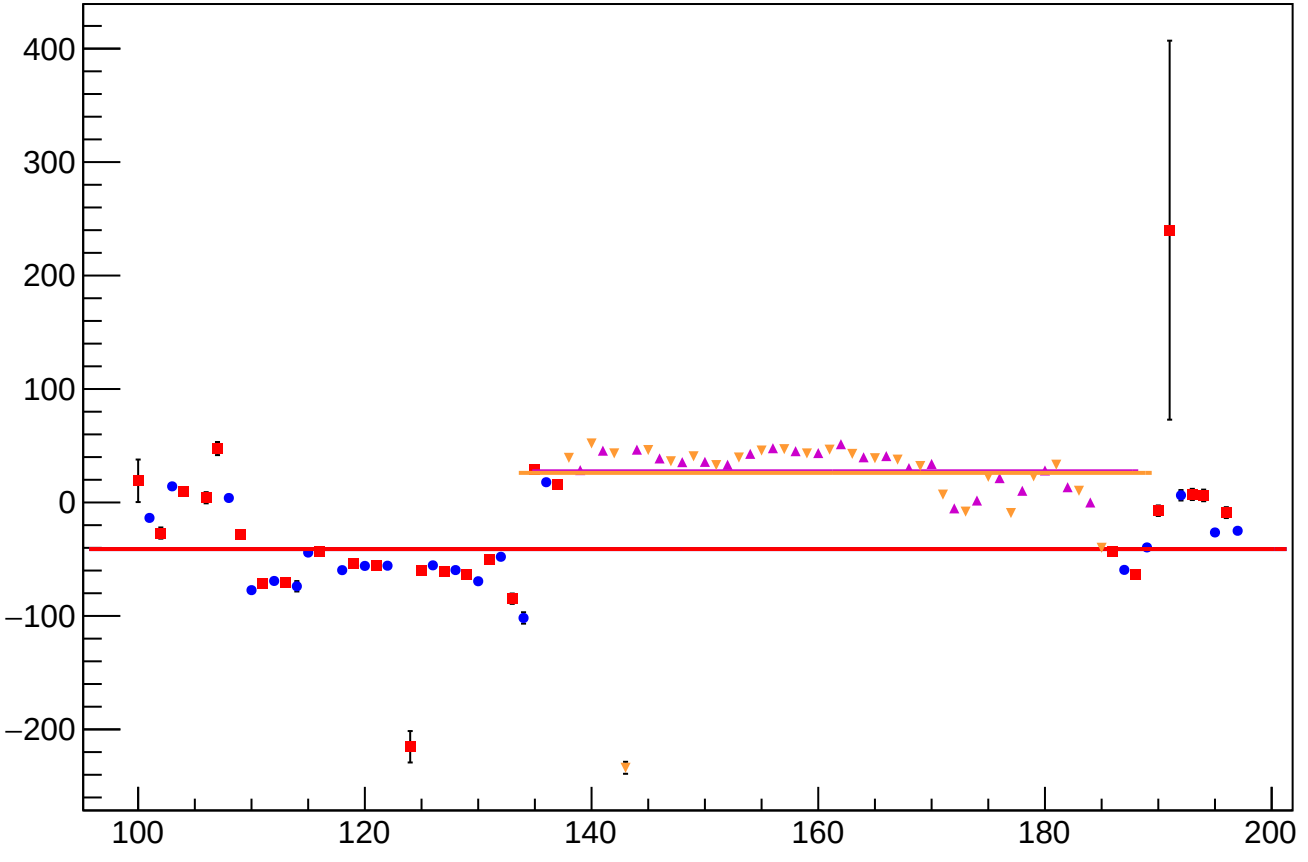
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -250.371+/-0.065 χ^2/NDF: 399337.0/45

All: -253.008+/-0.047 χ^2/NDF: 597008.3/94

- sign -255.744+/-0.067 χ^2/NDF: 194353.9/48

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.078+/-0.654 χ^2/NDF: 2585.2/20

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -41.051+/-0.564 χ^2/NDF: 2991.5/25

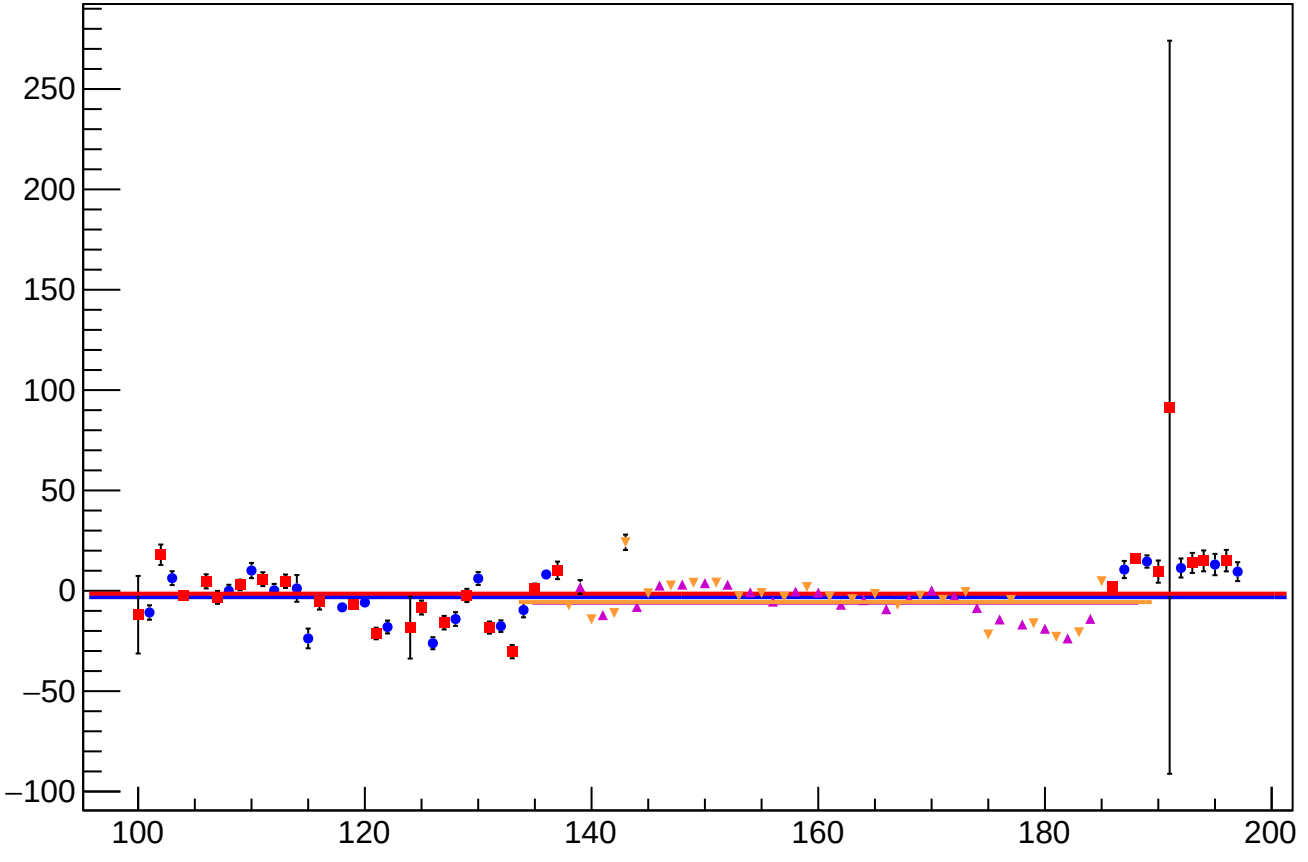
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 8.485+/-0.335 χ^2/NDF: 15155.5/45

All: 6.621+/-0.233 χ^2/NDF: 29697.1/94

- sign 4.875+/-0.324 χ^2/NDF: 14481.6/48

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -3.182+/-0.699 χ^2/NDF: 277.9/20

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -1.421+/-0.641 χ^2/NDF: 328.1/25

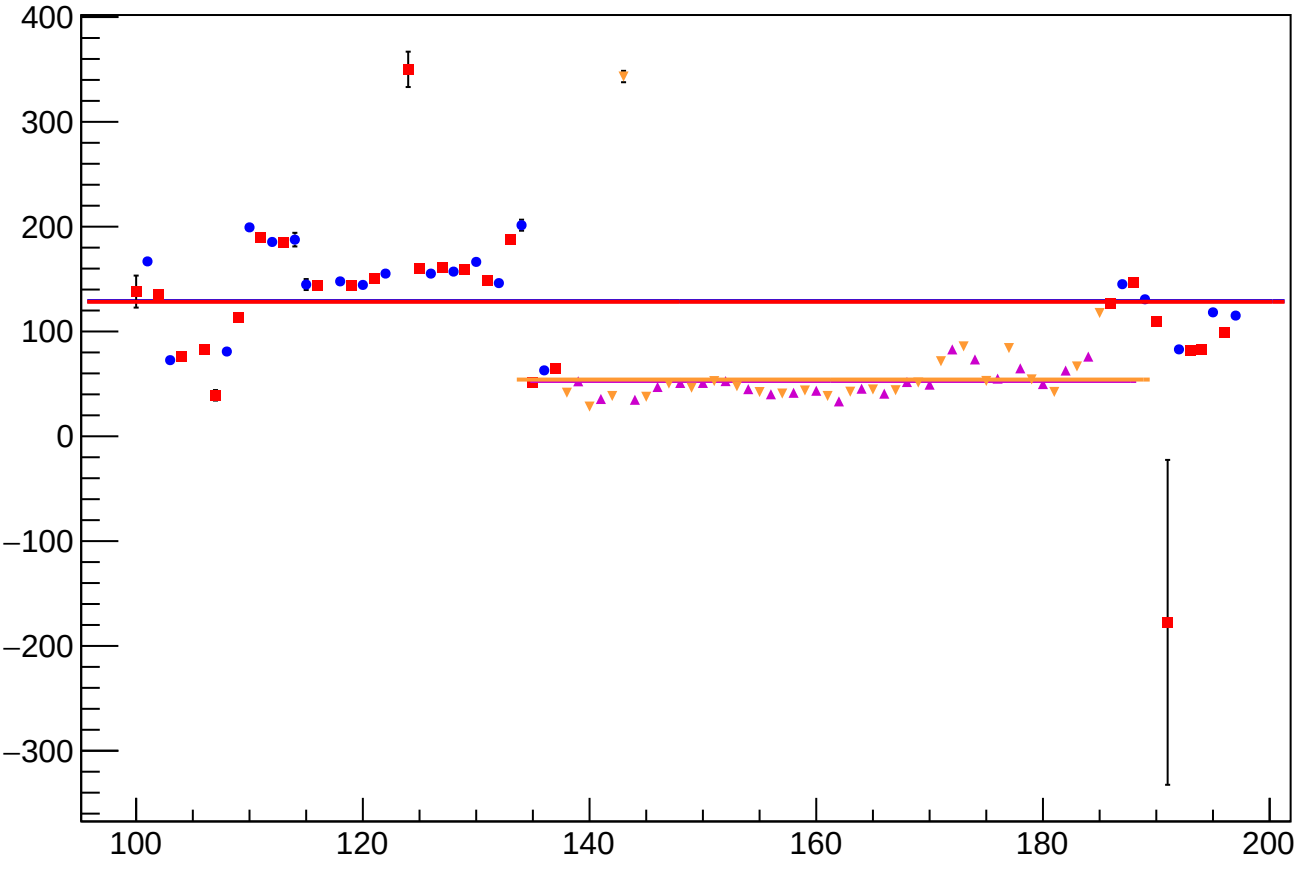
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.241+/-0.277 χ^2/NDF: 1181.5/45

All: -5.165+/-0.196 χ^2/NDF: 2262.3/94

- sign -5.088+/-0.278 χ^2/NDF: 1080.6/48

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 129.007+/-0.679 χ^2/NDF: 3836.3/20

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 128.322+/-0.572 χ^2/NDF: 4041.8/25

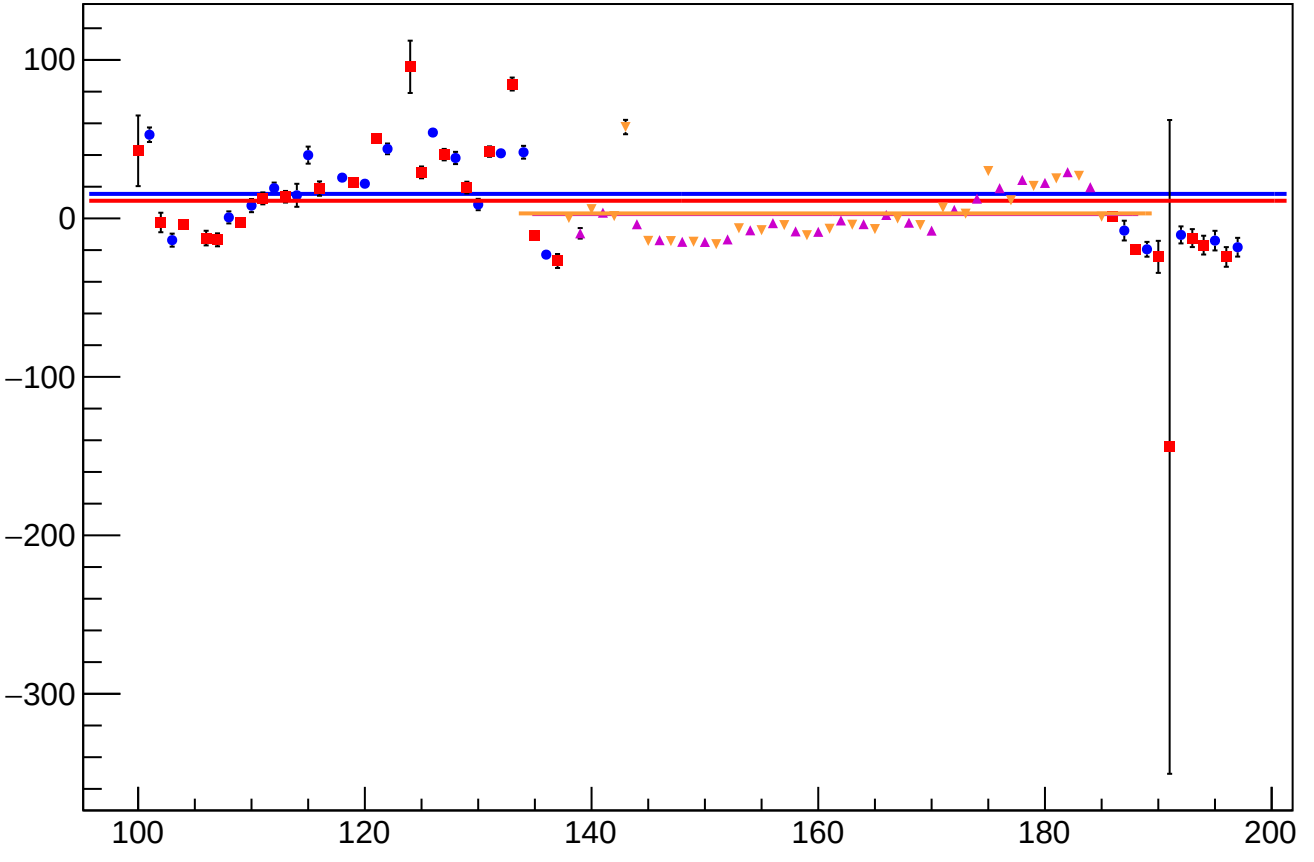
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 72.502+/-0.336 χ^2/NDF: 17604.6/45

All: 74.841+/-0.233 χ^2/NDF: 34580.1/94

- sign 77.006+/-0.324 χ^2/NDF: 16882.4/48

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 15.469+/-0.813 χ^2/NDF: 1023.2/20

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 11.134+/-0.766 χ^2/NDF: 1170.1/25

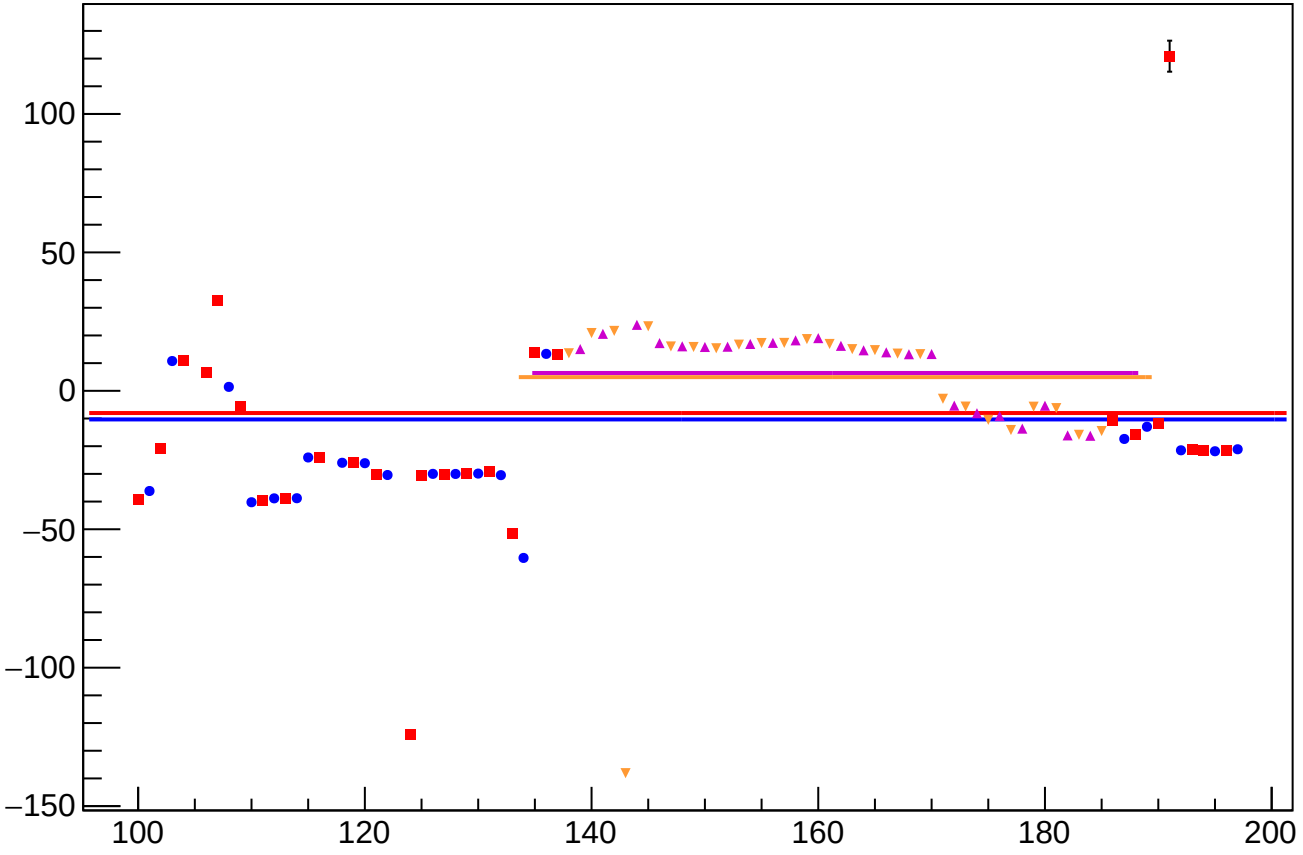
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.987+/-0.314 χ^2/NDF: 3230.9/45

All: 4.573+/-0.223 χ^2/NDF: 6239.8/94

- sign 4.152+/-0.316 χ^2/NDF: 3005.3/48

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -10.335+/-0.041 χ^2/NDF: 281814.9/20

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -8.021+/-0.040 χ^2/NDF: 253819.4/25

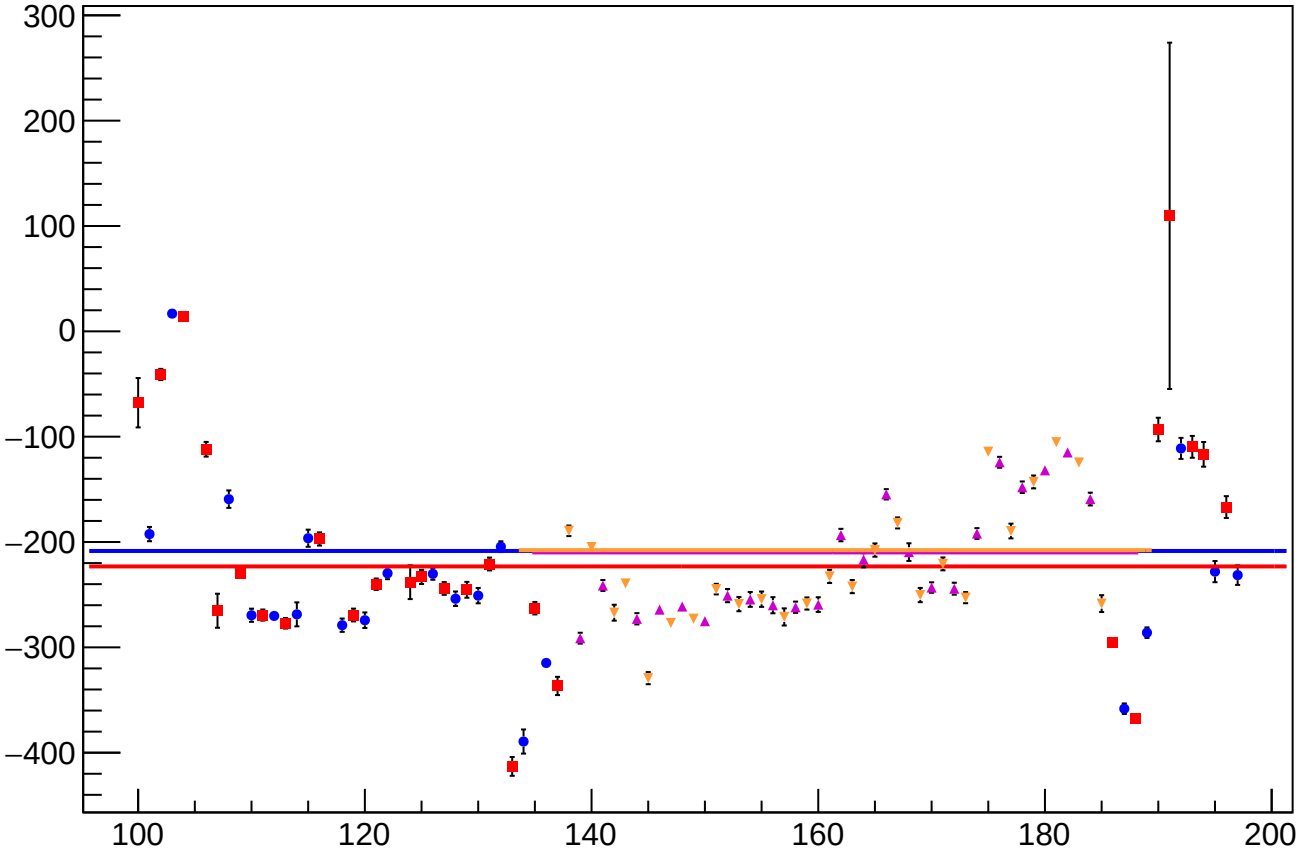
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.093+/-0.014 χ^2/NDF: 1540564.7/45

All: 3.845+/-0.010 χ^2/NDF: 2642876.2/94

- sign 4.603+/-0.014 χ^2/NDF: 1096735.7/48

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -208.500+/-1.282 χ^2/NDF: 8617.0/20

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -223.178+/-1.140 χ^2/NDF: 11964.9/25

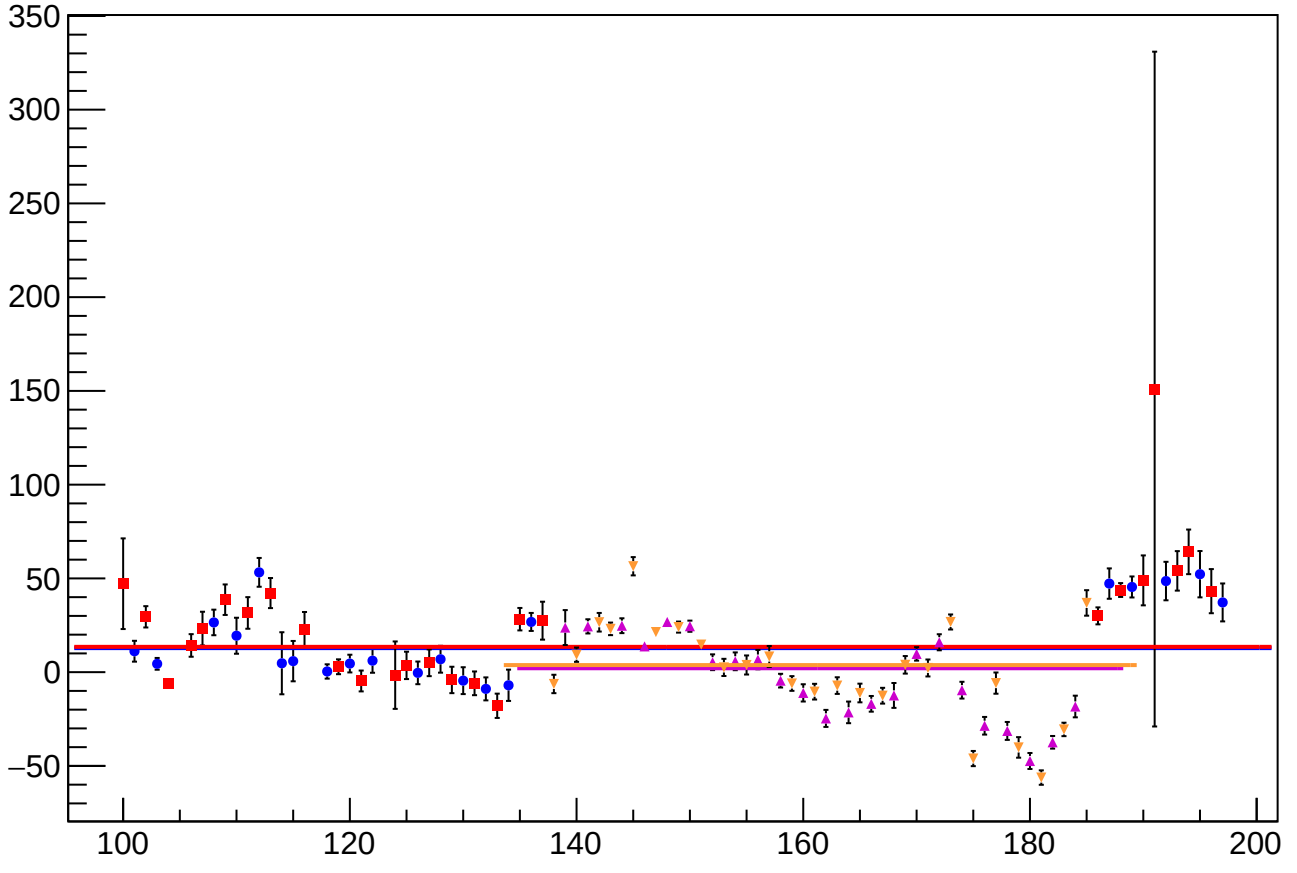
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -208.055+/-0.821 χ^2/NDF: 12104.4/45

All: -212.327+/-0.570 χ^2/NDF: 27203.9/94

- sign -216.299+/-0.792 χ^2/NDF: 15047.3/48

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.822+/-1.340 χ^2/NDF: 172.9/20

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 13.500+/-1.199 χ^2/NDF: 301.4/25

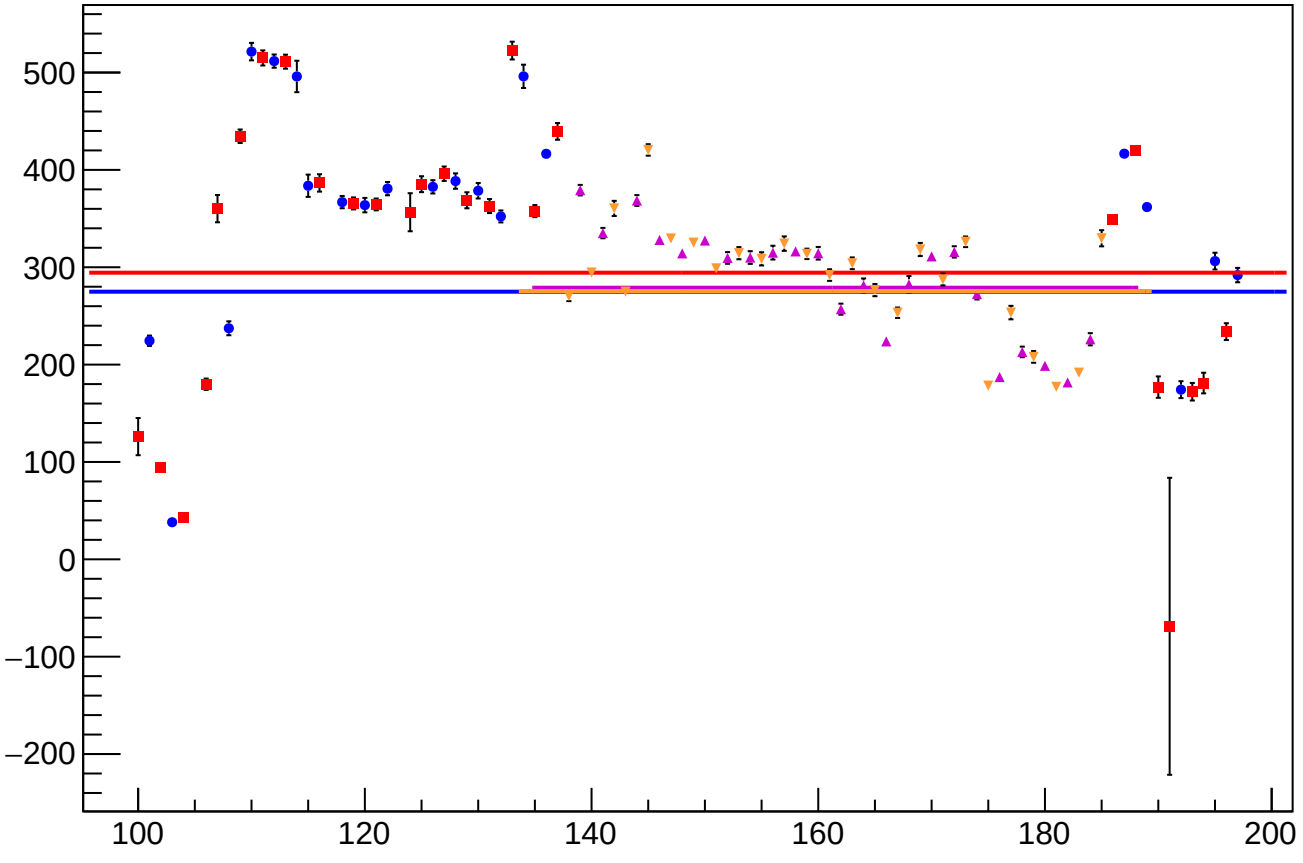
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 6.091+/-0.679 χ^2/NDF: 1178.9/45

All: 5.904+/-0.479 χ^2/NDF: 2312.5/94

\- sign 5.718+/-0.677 χ^2/NDF: 1133.5/48

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 274.891+/-1.234 χ^2/NDF: 17418.9/20

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 294.419+/-1.066 χ^2/NDF: 21539.0/25

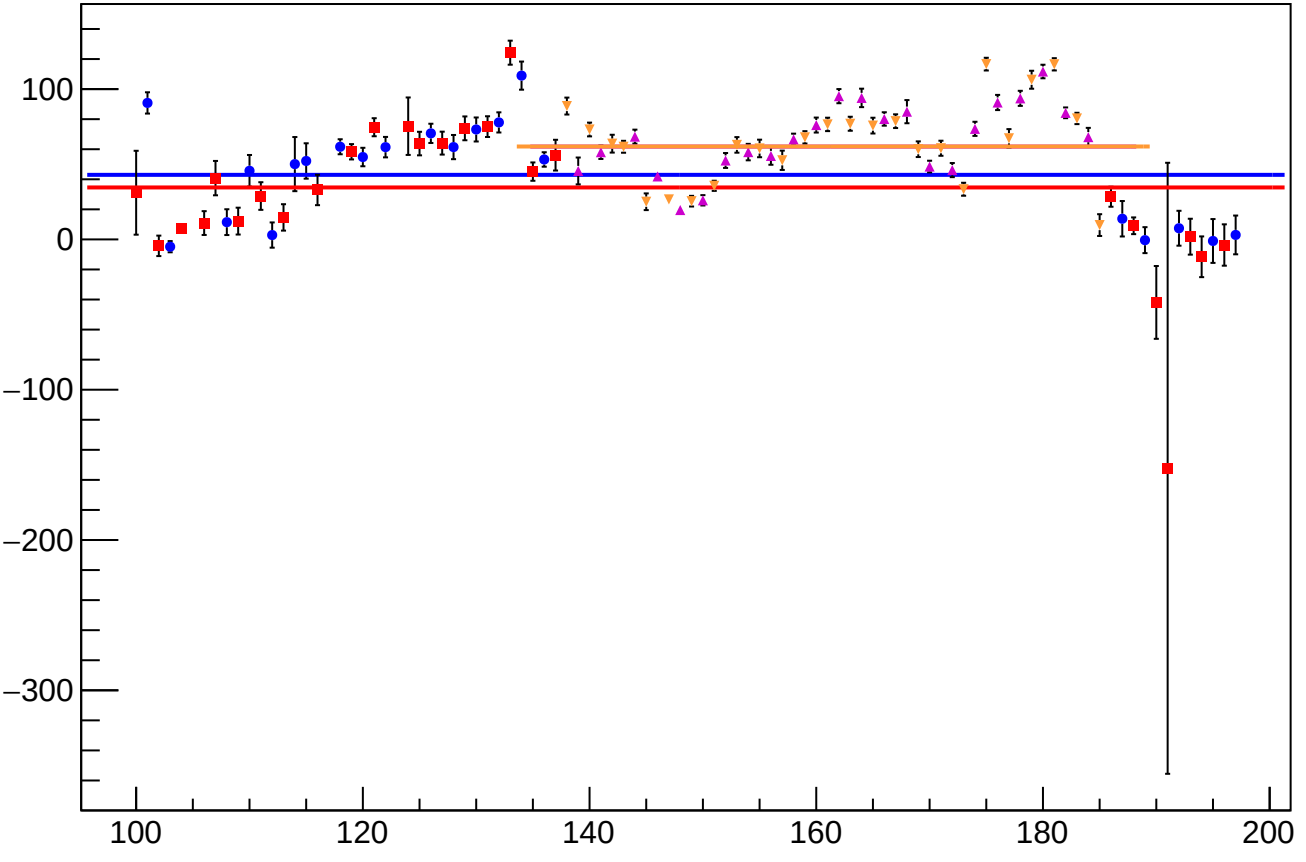
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 275.262+/-0.805 χ^2/NDF: 20742.2/45

All: 281.385+/-0.553 χ^2/NDF: 45608.2/94

- sign 286.869+/-0.762 χ^2/NDF: 24756.2/48

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.956+/-1.585 χ^2/NDF: 451.1/20

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 34.569+/-1.463 χ^2/NDF: 484.1/25

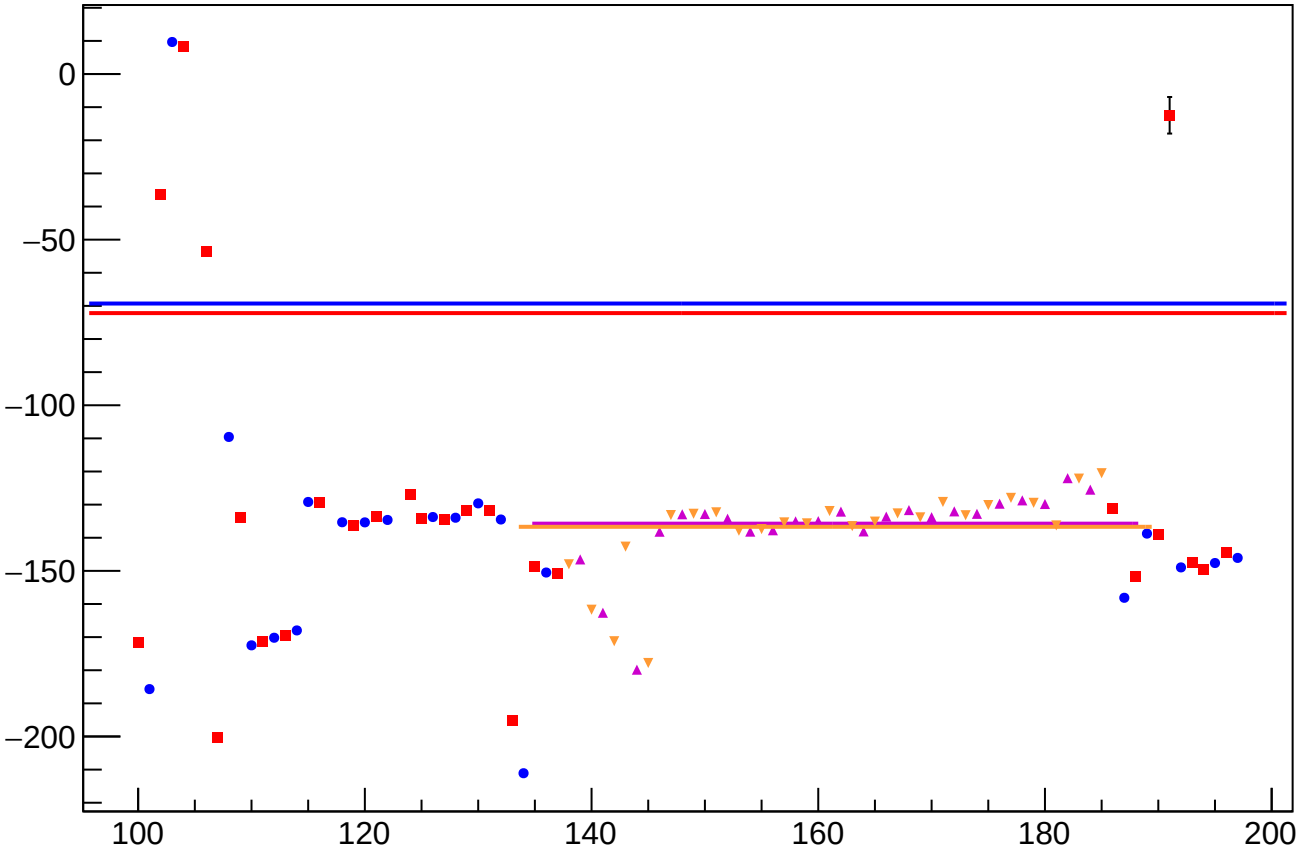
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 57.159+/-0.787 χ^2/NDF: 1517.3/45

All: 55.503+/-0.558 χ^2/NDF: 2991.0/94

- sign 53.836+/-0.790 χ^2/NDF: 1464.8/48

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -69.285+/-0.068 χ^2/NDF: 1399538.9/20

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -72.176+/-0.068 χ^2/NDF: 1109540.9/25

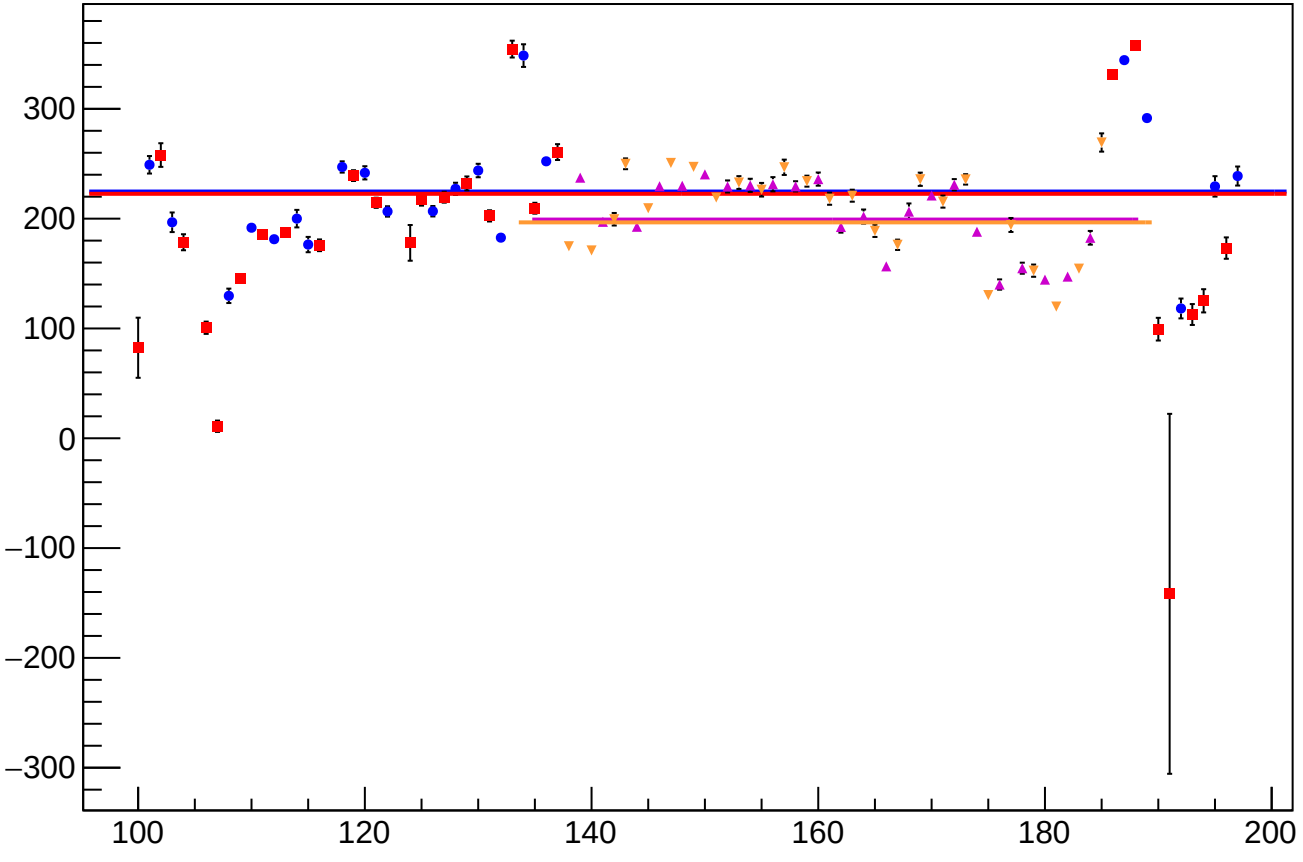
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -117.999+/-0.036 χ^2/NDF: 2184659.6/45

All: -117.823+/-0.025 χ^2/NDF: 3985954.5/94

- sign -117.644+/-0.036 χ^2/NDF: 1801246.5/48

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 224.688+/-1.171 χ^2/NDF: 1953.3/20

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 222.625+/-1.010 χ^2/NDF: 7863.1/25

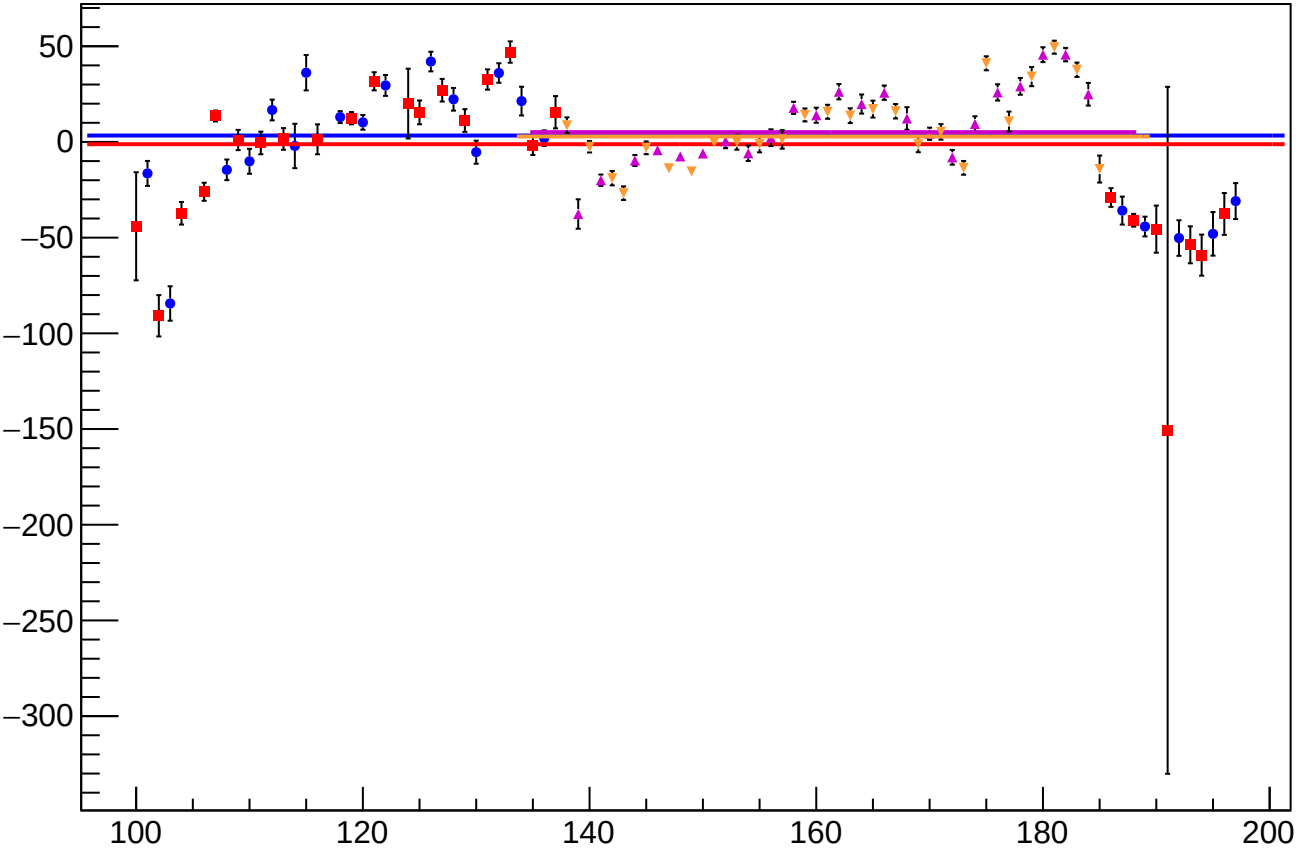
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

\+ sign 207.709+/-0.736 χ^2/NDF: 4376.6/45

All: 209.145+/-0.507 χ^2/NDF: 13821.7/94

\- sign 210.447+/-0.701 χ^2/NDF: 9437.8/48

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 3.353+/-1.240 χ^2/NDF: 471.4/20

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -1.187+/-1.095 χ^2/NDF: 644.1/25

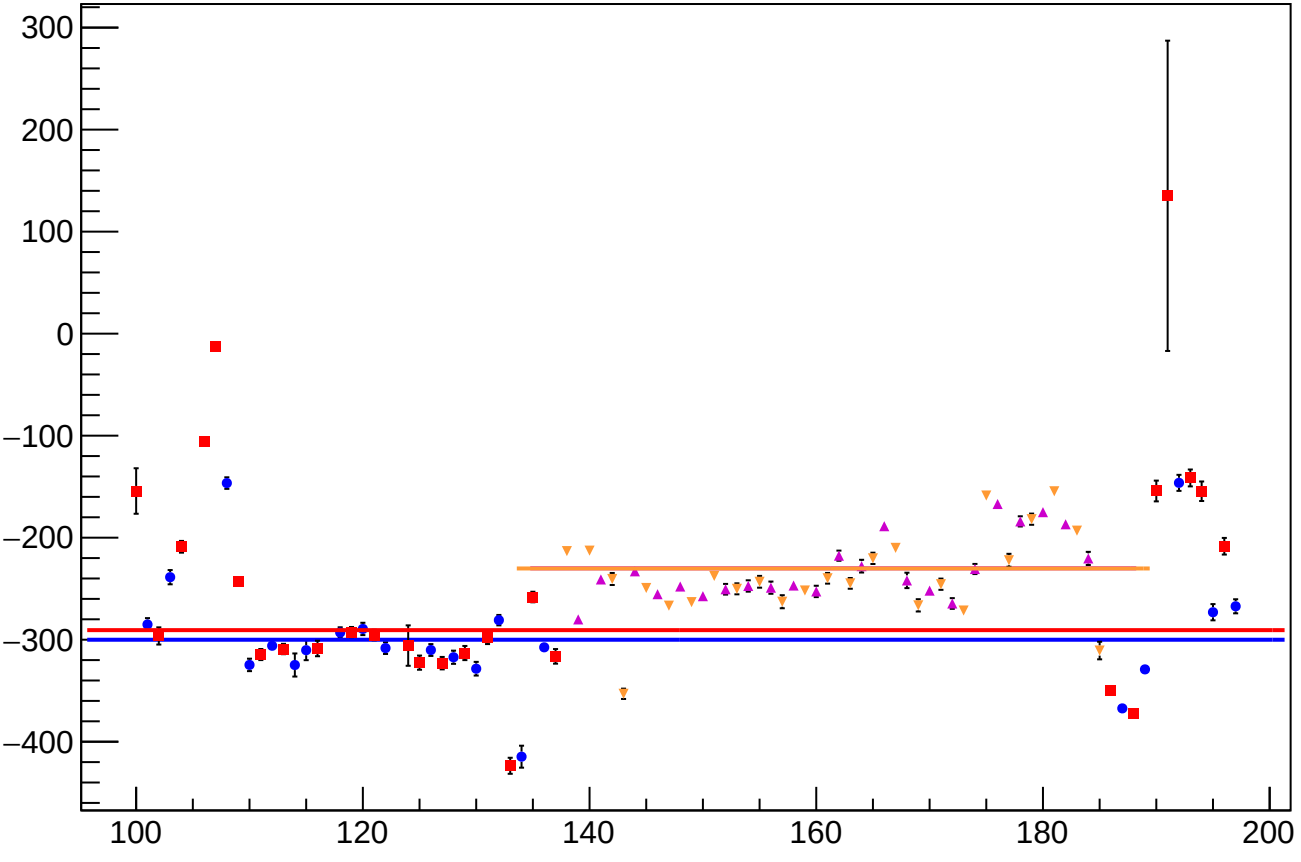
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

\+ sign 2.985+/-0.605 χ^2/NDF: 1224.3/45

All: 3.108+/-0.426 χ^2/NDF: 2520.3/94

\- sign 3.228+/-0.600 χ^2/NDF: 1295.9/48

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -300.044+/-1.231 χ^2/NDF: 1814.4/20

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -290.629+/-1.023 χ^2/NDF: 9274.9/25

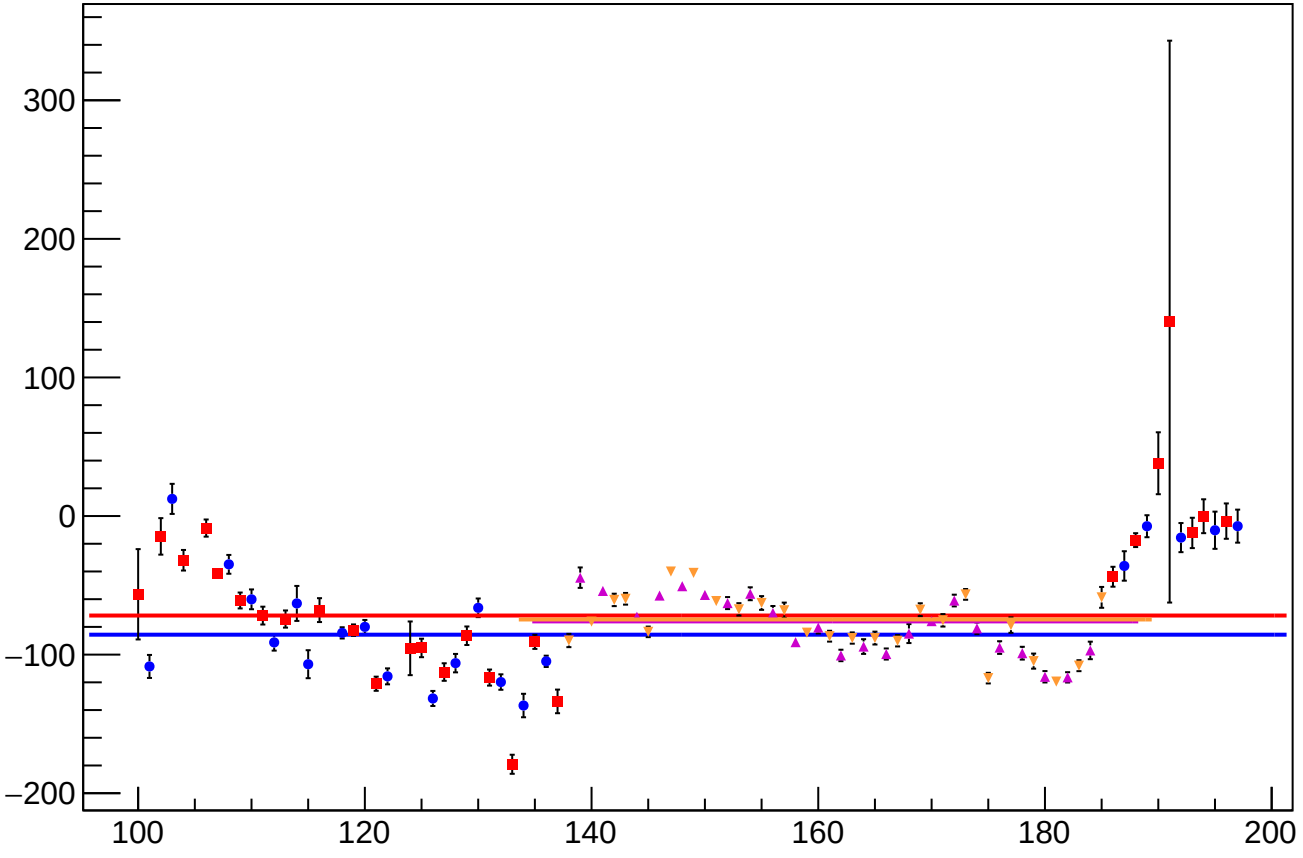
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

\+ sign -255.870+/-0.747 χ^2/NDF: 6031.7/45

All: -257.241+/-0.511 χ^2/NDF: 18270.2/94

\- sign -258.448+/-0.700 χ^2/NDF: 12232.1/48

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -85.620+/-1.457 χ^2/NDF: 619.0/20

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -71.794+/-1.318 χ^2/NDF: 1004.9/25

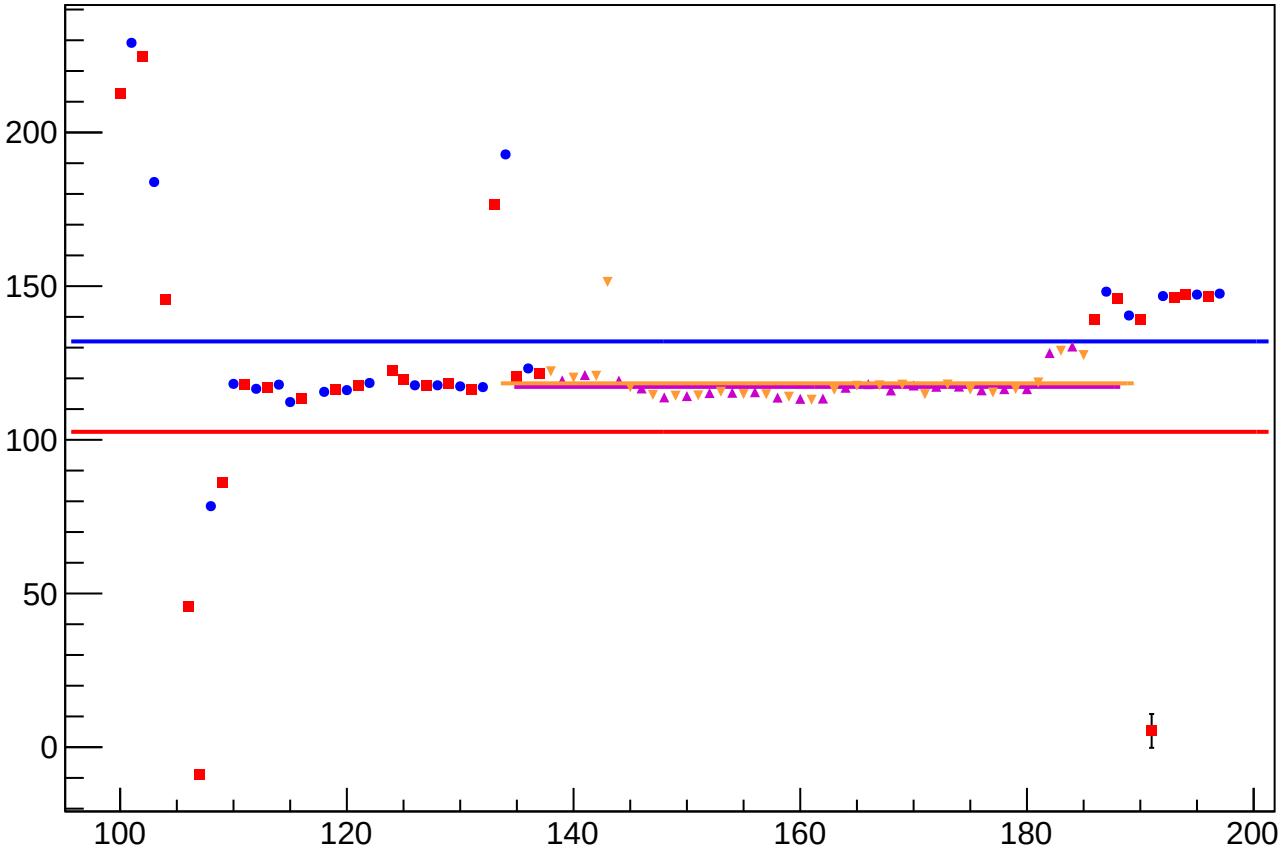
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -77.191+/-0.702 χ^2/NDF: 1493.6/45

All: -76.008+/-0.495 χ^2/NDF: 3157.6/94

- sign -74.836+/-0.699 χ^2/NDF: 1658.3/48

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 132.016+/-0.080 χ^2/NDF: 190842.7/20

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 102.604+/-0.070 χ^2/NDF: 702807.9/25

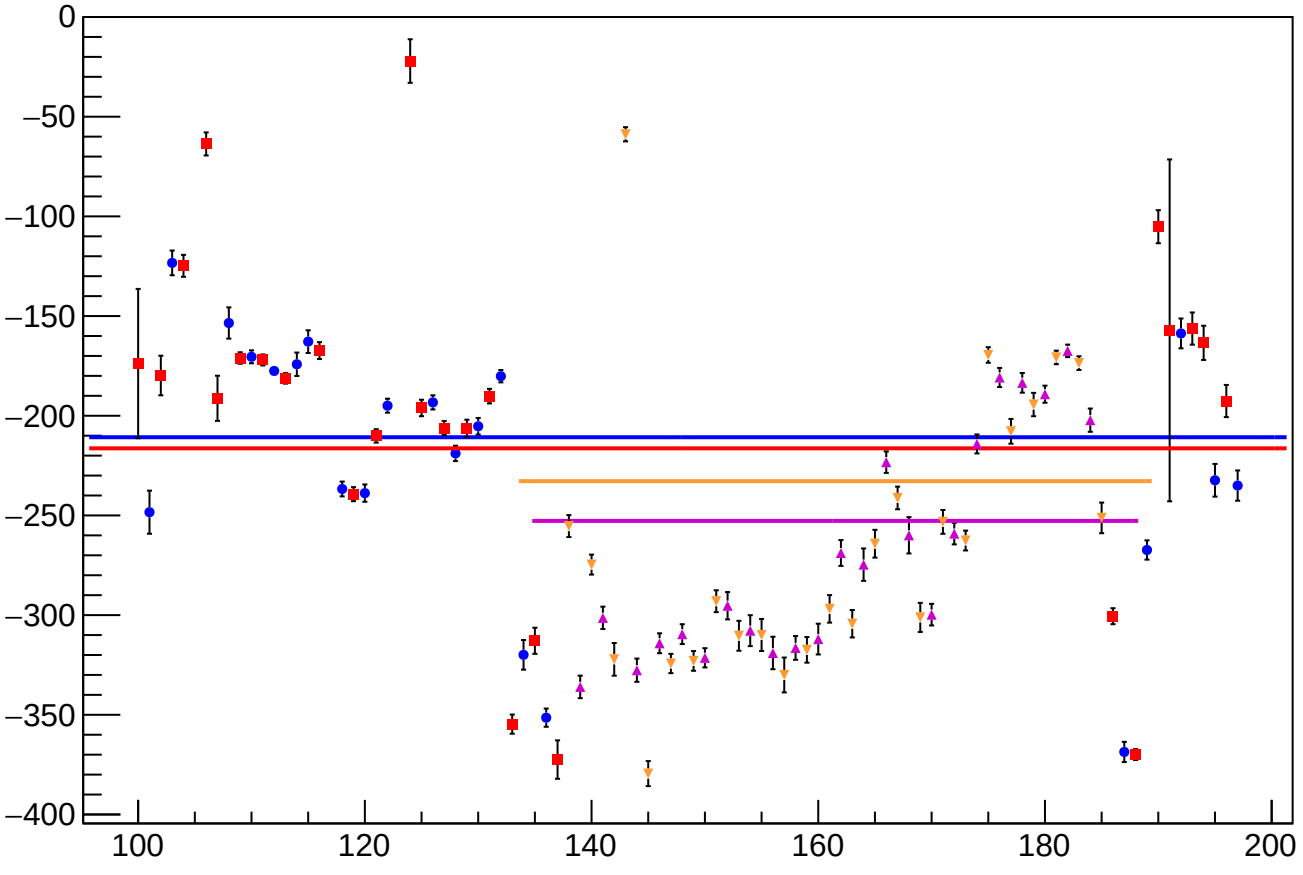
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 120.812+/-0.034 χ^2/NDF: 249627.9/45

All: 117.331+/-0.024 χ^2/NDF: 1017078.6/94

- sign 113.978+/-0.033 χ^2/NDF: 746614.0/48

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -210.778+/-0.960 χ^2/NDF: 3282.0/20

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -216.345+/-0.874 χ^2/NDF: 7448.8/25

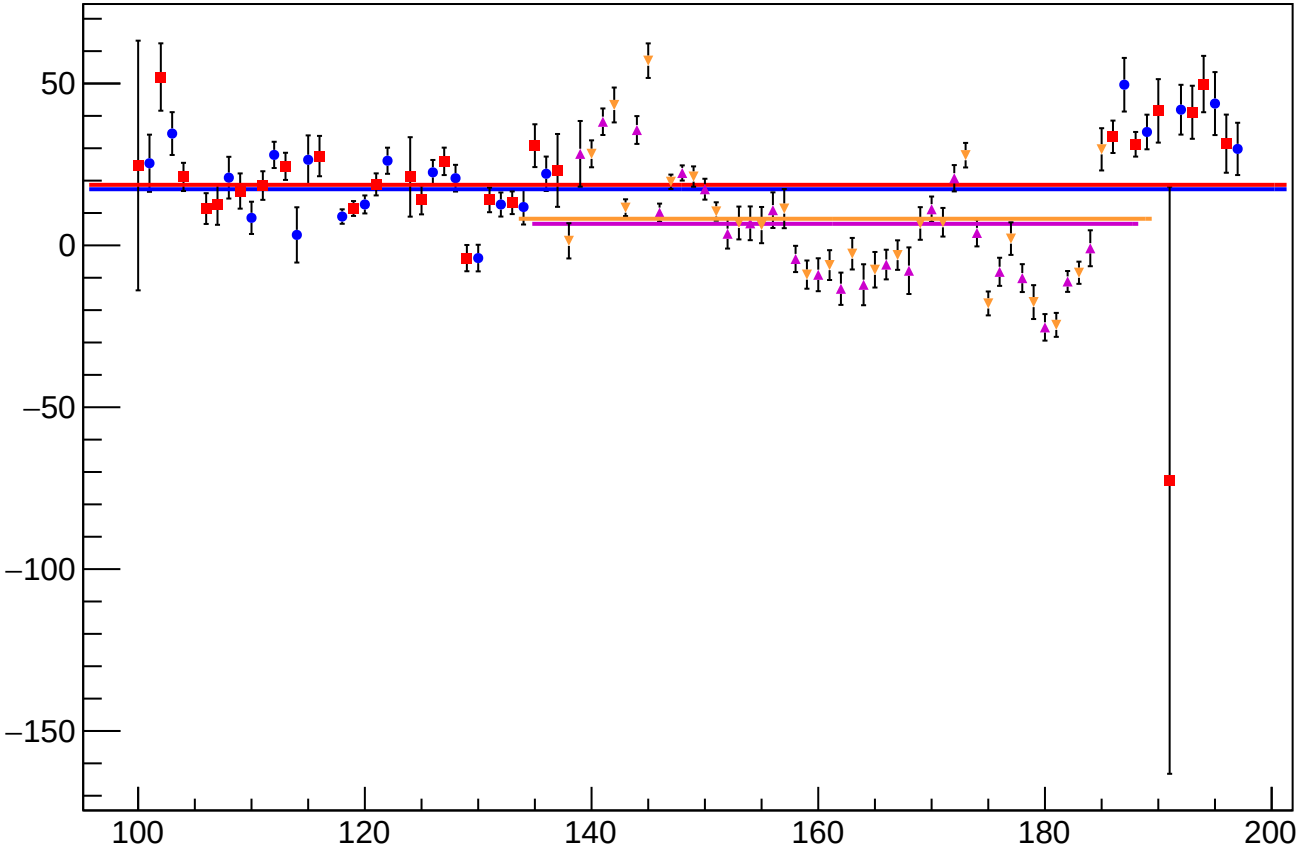
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.579+/-0.715 χ^2/NDF: 9280.1/45

All: -225.425+/-0.497 χ^2/NDF: 20380.1/94

- sign -229.957+/-0.692 χ^2/NDF: 11011.1/48

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 17.343+/-0.998 χ^2/NDF: 122.7/20

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 18.705+/-0.958 χ^2/NDF: 119.1/25

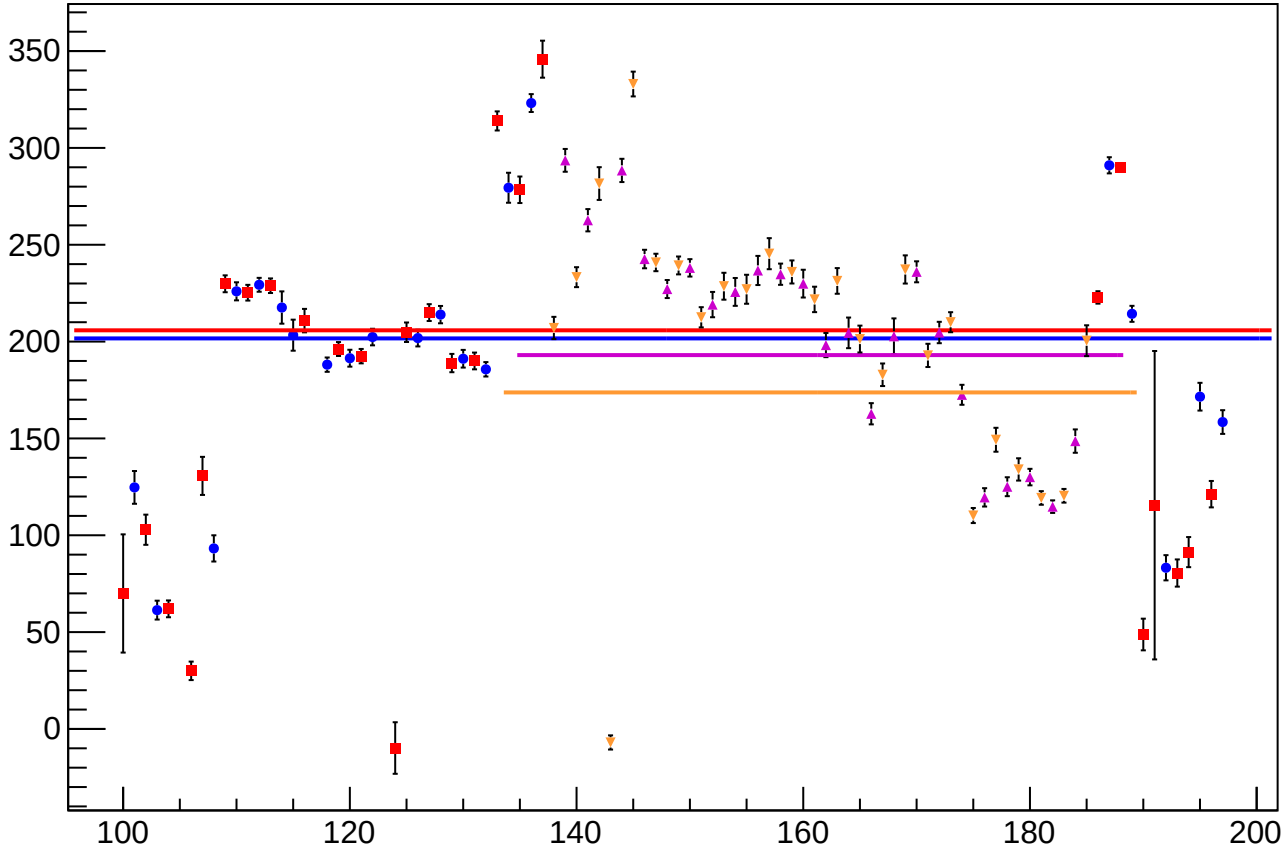
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 11.804+/-0.626 χ^2/NDF: 631.3/45

All: 11.911+/-0.447 χ^2/NDF: 1193.0/94

- sign 12.023+/-0.639 χ^2/NDF: 561.7/48

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 201.641+/-1.063 χ^2/NDF: 2970.8/20

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 205.821+/-0.940 χ^2/NDF: 6458.0/25

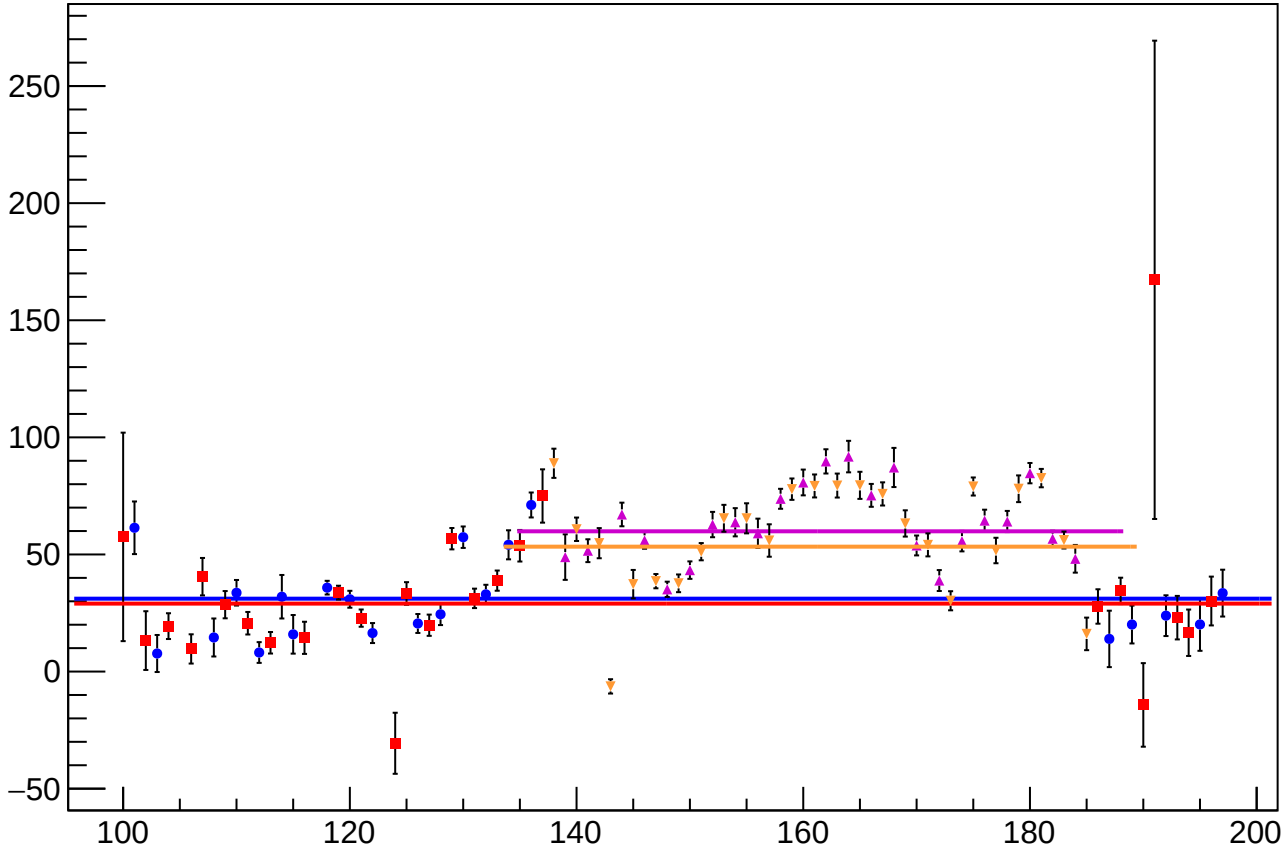
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 187.772+/-0.754 χ^2/NDF: 8573.9/45

All: 194.445+/-0.521 χ^2/NDF: 17770.4/94

- sign 200.545+/-0.720 χ^2/NDF: 9046.4/48

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.121+/-1.171 χ^2/NDF: 182.9/20

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.016+/-1.130 χ^2/NDF: 151.6/25

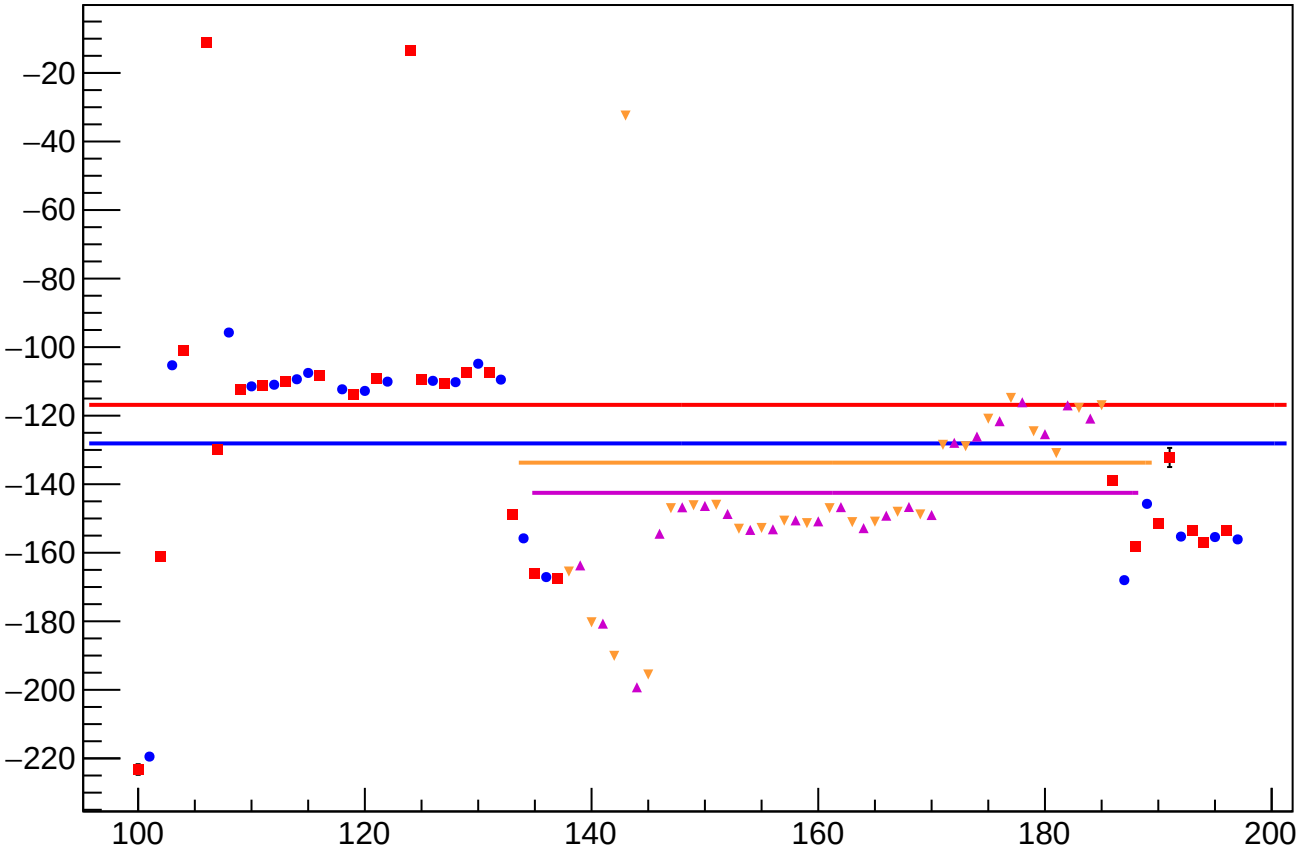
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 44.837+/-0.724 χ^2/NDF: 1183.9/45

All: 45.744+/-0.517 χ^2/NDF: 2016.9/94

- sign 46.688+/-0.739 χ^2/NDF: 829.8/48

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -128.099+/-0.071 χ^2/NDF: 156322.3/20

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -116.849+/-0.066 χ^2/NDF: 453773.1/25

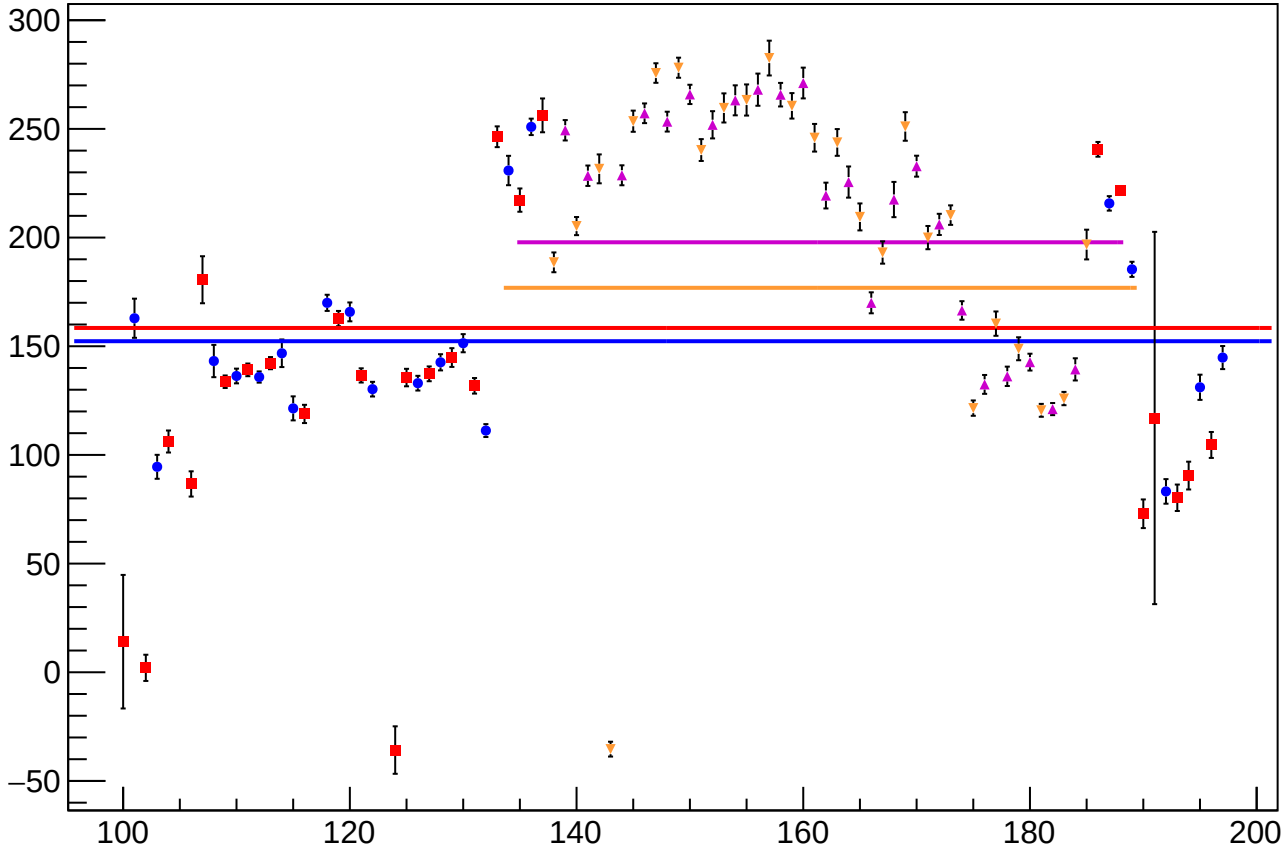
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -132.197+/-0.037 χ^2/NDF: 836871.5/45

All: -133.313+/-0.026 χ^2/NDF: 1576117.0/94

- sign -134.439+/-0.037 χ^2/NDF: 737378.2/48

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 152.318+/-0.890 χ^2/NDF: 1947.9/20

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 158.412+/-0.793 χ^2/NDF: 4687.8/25

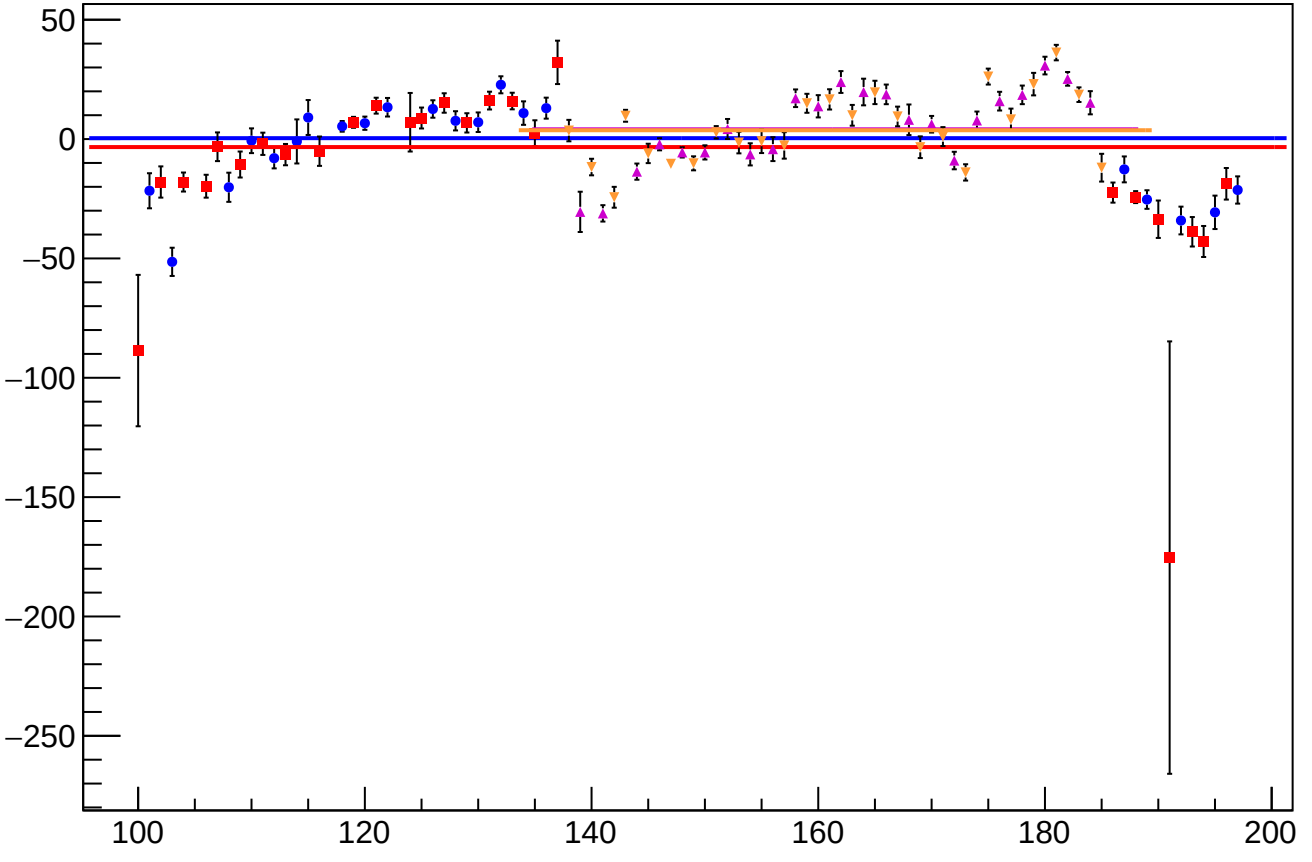
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

\+ sign 163.704+/-0.652 χ^2/NDF: 9725.8/45

All: 168.836+/-0.450 χ^2/NDF: 18446.6/94

\- sign 173.522+/-0.623 χ^2/NDF: 8602.3/48

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 0.385+/-0.936 χ^2/NDF: 311.5/20

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -3.348+/-0.883 χ^2/NDF: 381.8/25

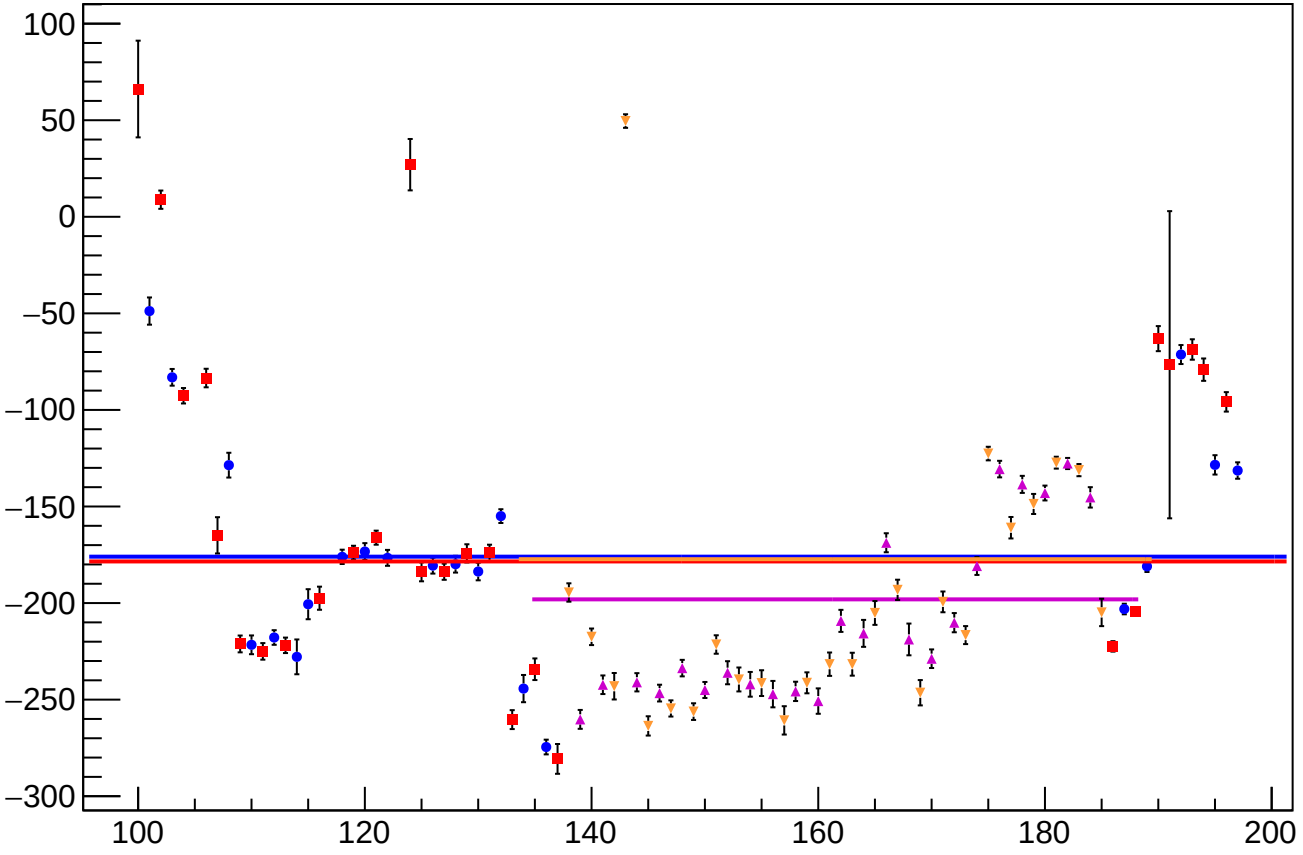
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 2.466+/-0.572 χ^2/NDF: 720.4/45

All: 1.689+/-0.407 χ^2/NDF: 1545.3/94

- sign 0.891+/-0.580 χ^2/NDF: 821.2/48

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -175.978+/-0.937 χ^2/NDF: 2651.2/20

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -178.448+/-0.800 χ^2/NDF: 5576.5/25

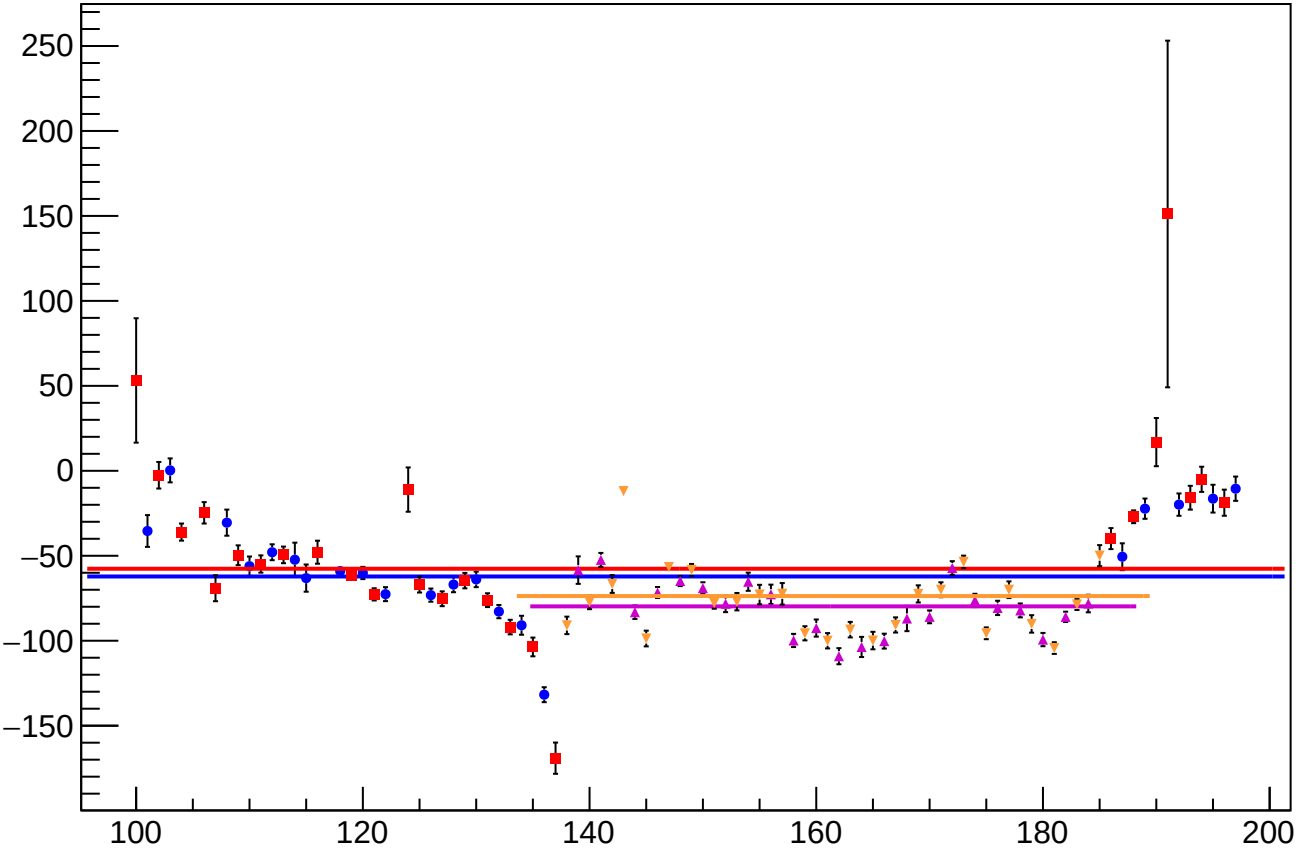
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -176.617+/-0.669 χ^2/NDF: 9692.2/45

All: -181.691+/-0.457 χ^2/NDF: 17997.7/94

- sign -186.113+/-0.625 χ^2/NDF: 8197.9/48

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -62.188+/-1.105 χ^2/NDF: 608.2/20

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -57.628+/-1.059 χ^2/NDF: 688.2/25

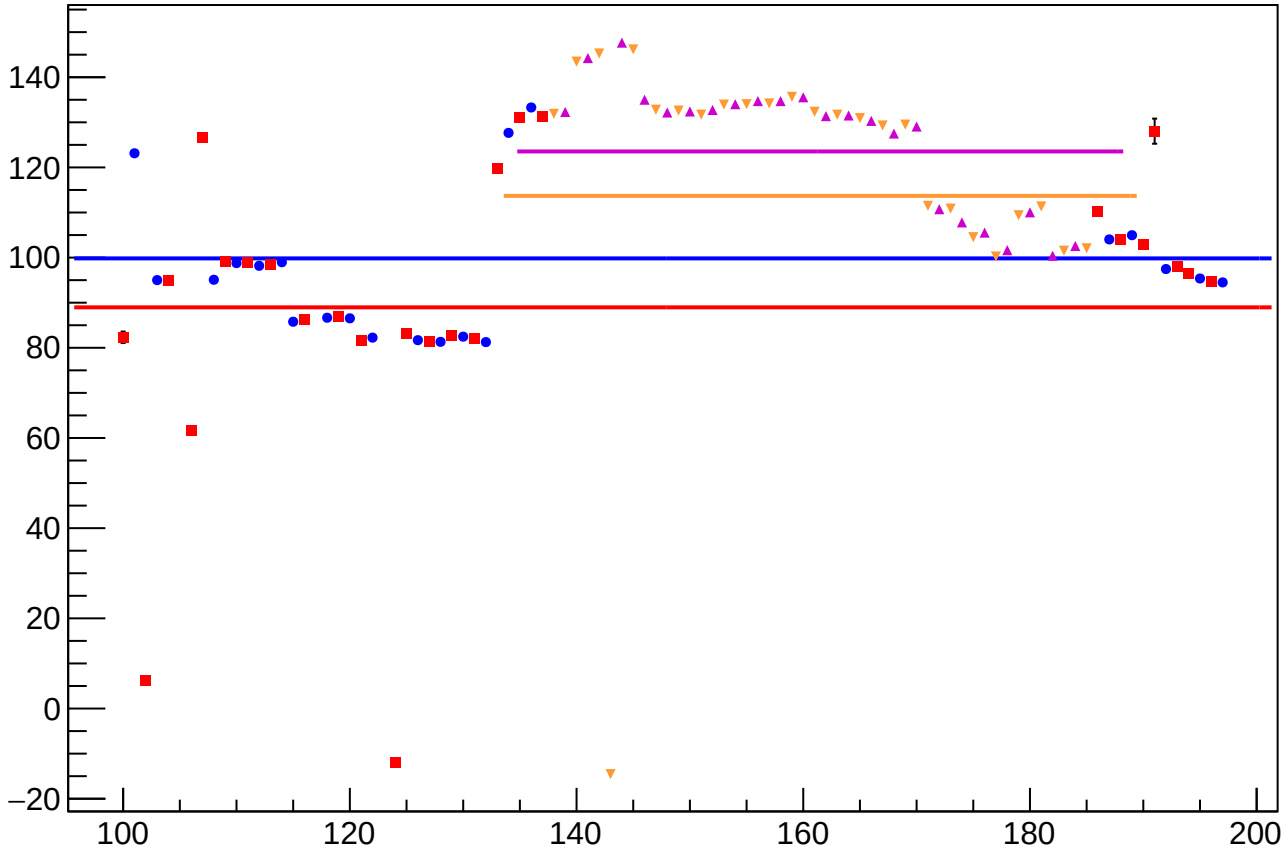
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -69.560+/-0.663 χ^2/NDF: 1517.3/45

All: -70.169+/-0.473 χ^2/NDF: 2744.6/94

- sign -70.799+/-0.674 χ^2/NDF: 1225.6/48

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.825+/-0.062 χ^2/NDF: 68916.8/20

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 88.967+/-0.057 χ^2/NDF: 281347.5/25

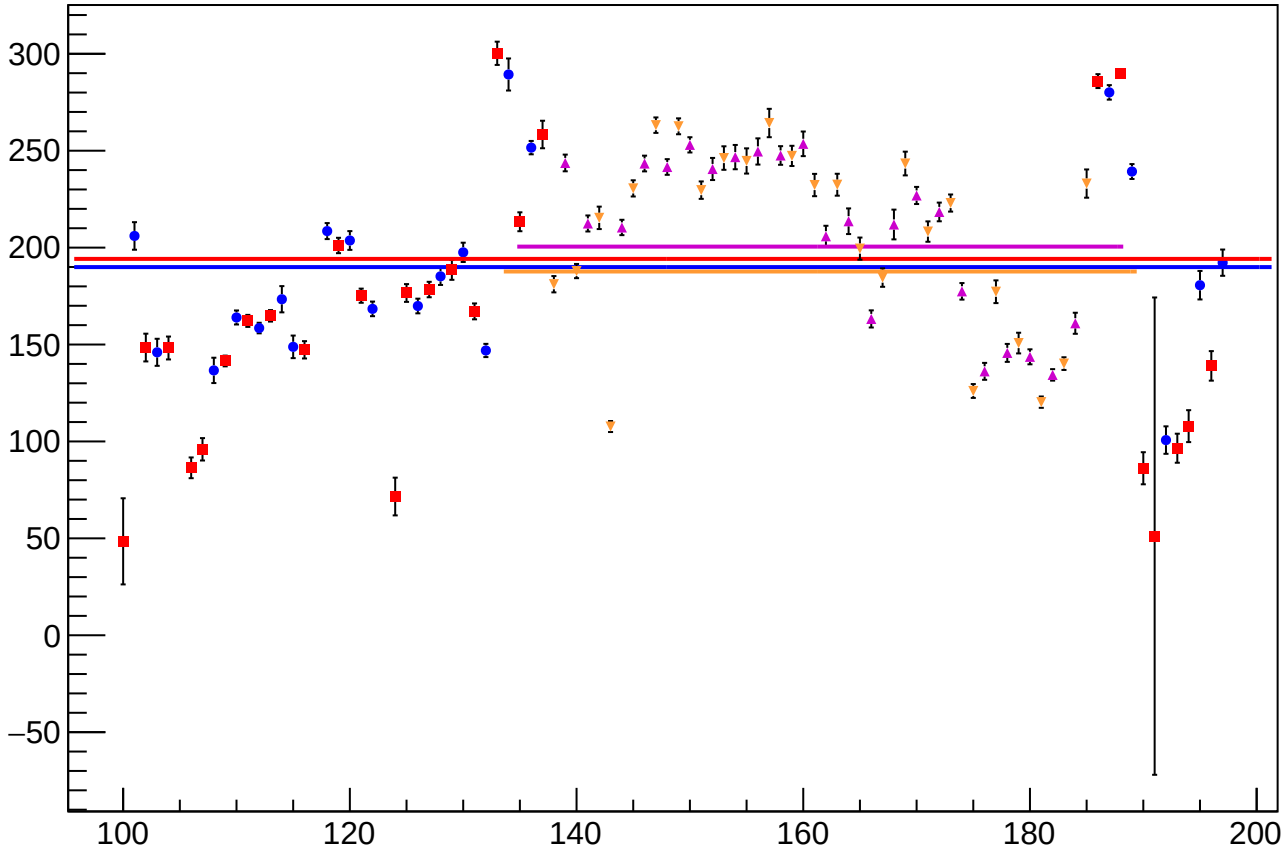
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 109.881+/-0.033 χ^2/NDF: 1067926.6/45

All: 111.127+/-0.023 χ^2/NDF: 1732852.7/94

- sign 112.367+/-0.033 χ^2/NDF: 662025.9/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 189.951+/-0.980 χ^2/NDF: 1969.5/20

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 194.186+/-0.858 χ^2/NDF: 5677.9/25

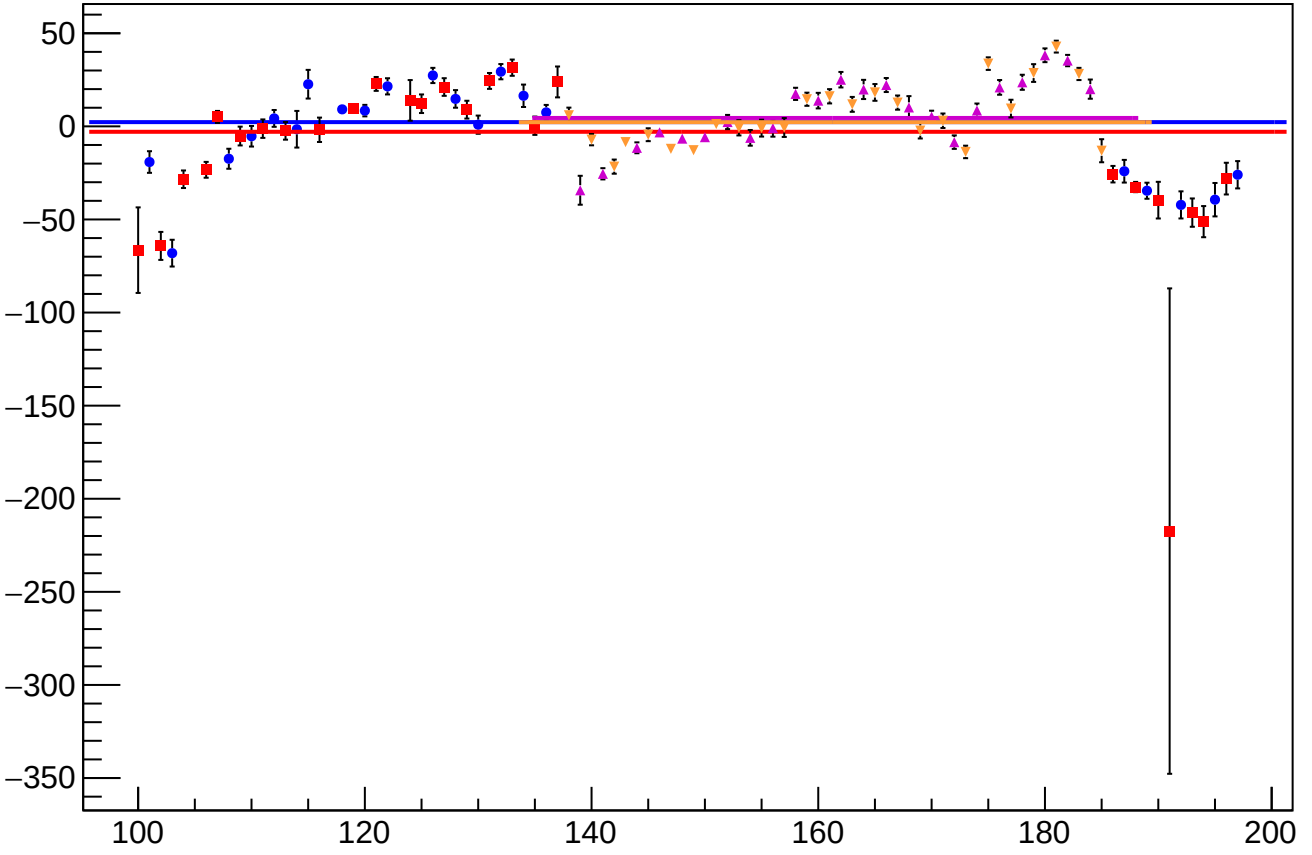
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.716+/-0.662 χ^2/NDF: 5500.8/45

All: 193.017+/-0.460 χ^2/NDF: 13395.9/94

- sign 197.017+/-0.638 χ^2/NDF: 7813.6/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.276+/-1.033 χ^2/NDF: 424.2/20

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

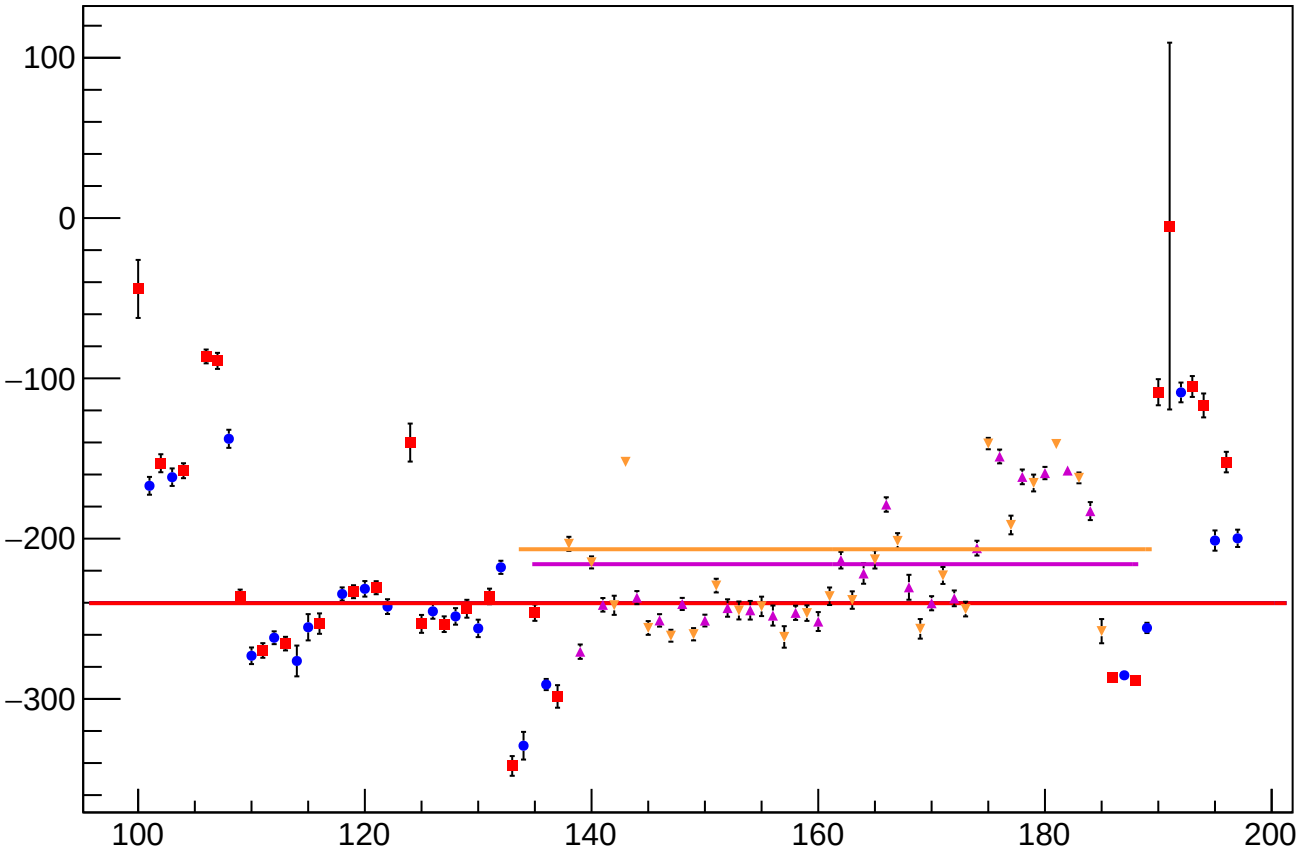
Right Out: -2.918+/-0.943 χ^2/NDF: 595.2/25

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.254+/-0.559 χ^2/NDF: 1025.1/45

All: 2.034+/-0.399 χ^2/NDF: 2207.2/94

- sign 1.804+/-0.569 χ^2/NDF: 1181.8/48



Right In: -240.172+/-1.035 χ^2/NDF: 1949.3/20

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

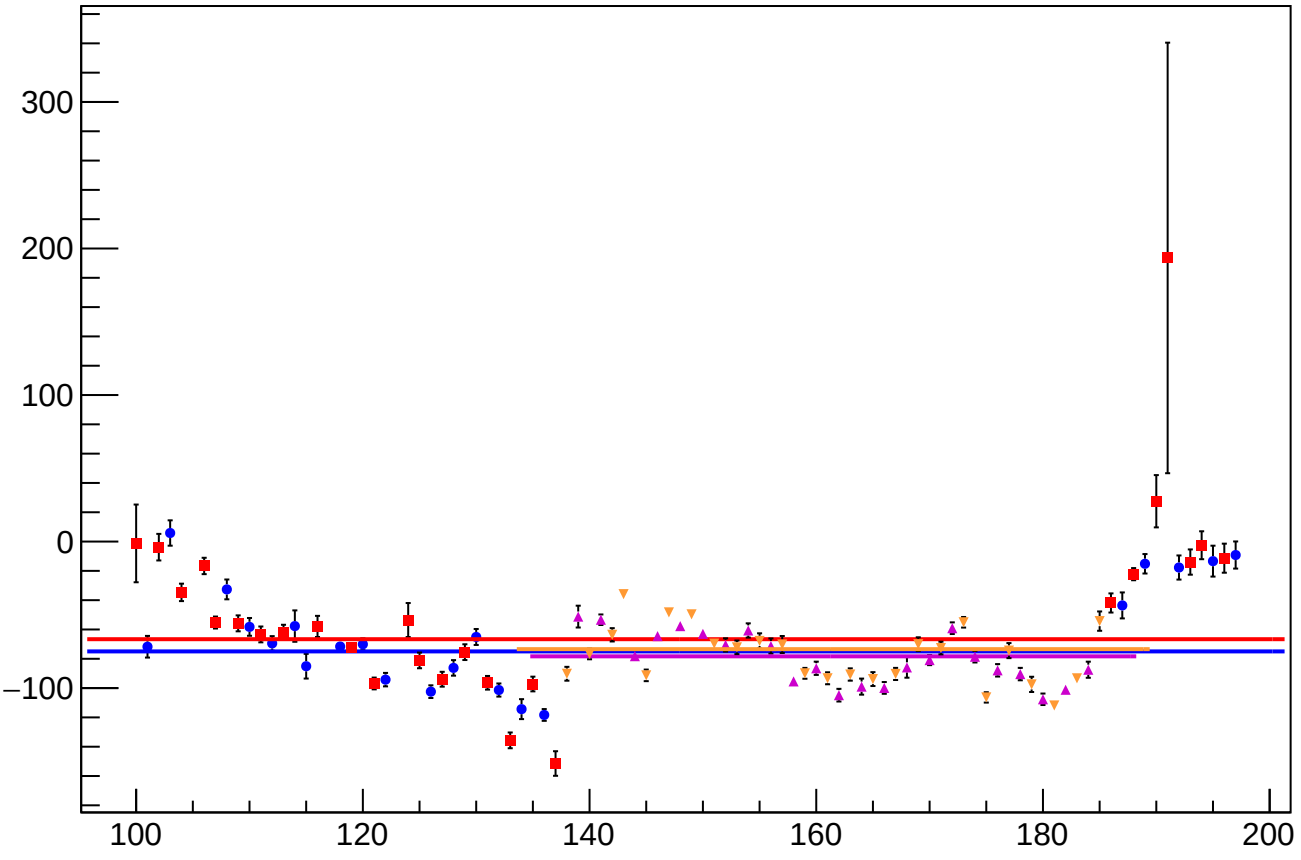
Right Out: -240.256+/-0.870 χ^2/NDF: 5725.8/25

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -220.970+/-0.677 χ^2/NDF: 5018.6/45

All: -225.271+/-0.465 χ^2/NDF: 12891.0/94

- sign -229.120+/-0.640 χ^2/NDF: 7795.9/48



Right In: -74.964+/-1.217 χ^2/NDF: 618.7/20

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

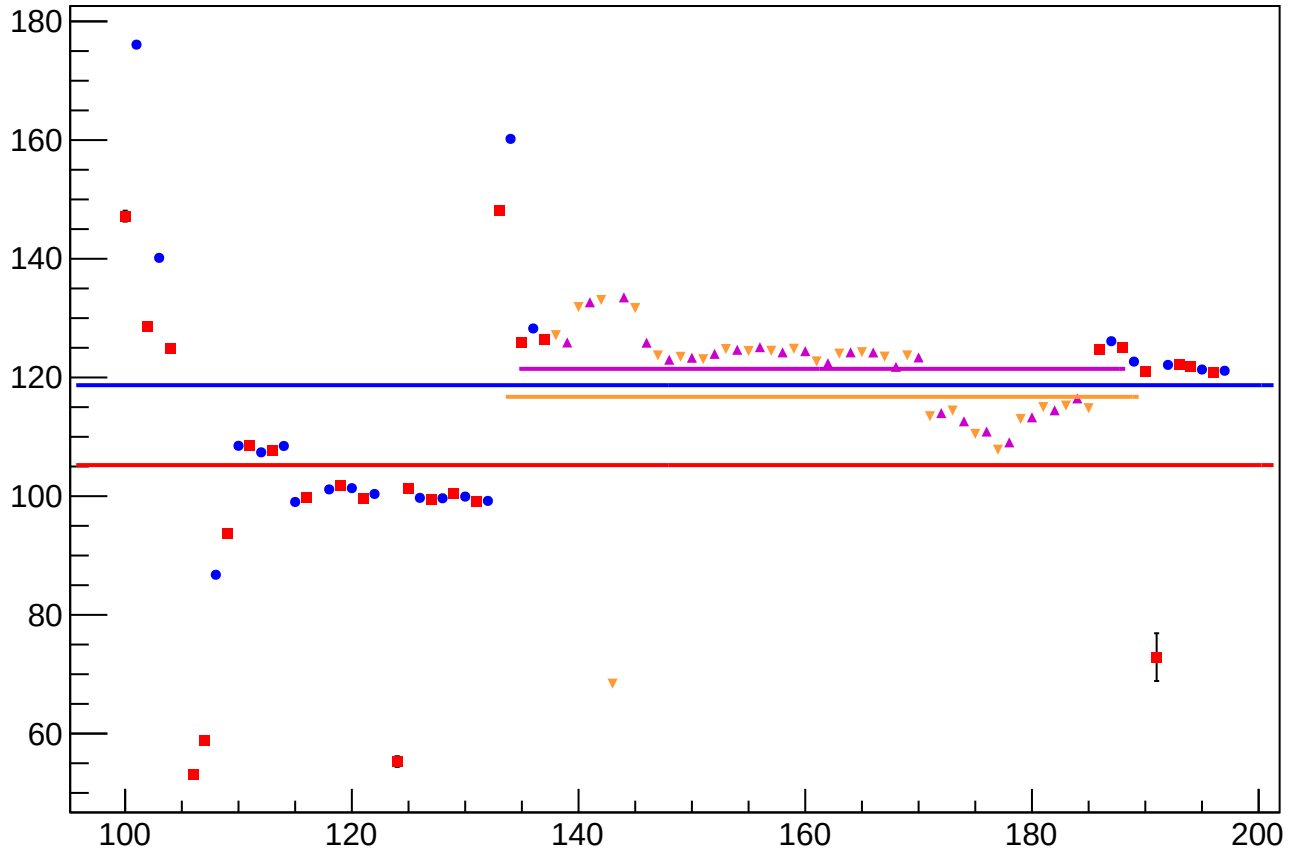
Right Out: -66.629+/-1.132 χ^2/NDF: 894.7/25

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.863+/-0.649 χ^2/NDF: 1456.4/45

All: -74.087+/-0.464 χ^2/NDF: 2864.8/94

- sign -74.320+/-0.663 χ^2/NDF: 1408.2/48



Right In: 118.700+/-0.069 χ^2/NDF: 96249.7/20

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 105.238+/-0.061 χ^2/NDF: 193051.6/25

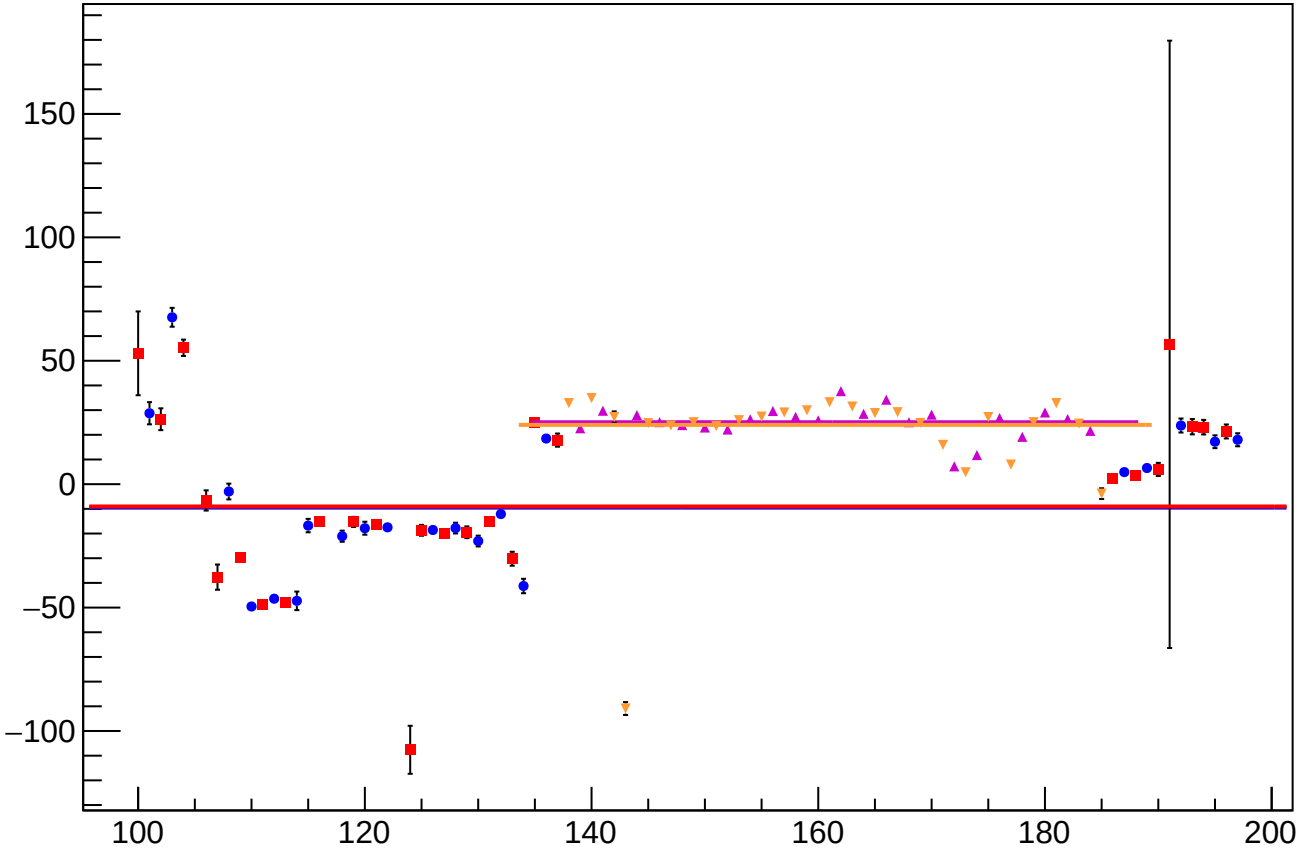
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.158+/-0.032 χ^2/NDF: 300539.3/45

All: 117.113+/-0.022 χ^2/NDF: 573630.6/94

- sign 117.067+/-0.032 χ^2/NDF: 273087.2/48

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -9.487+/-0.476 χ^2/NDF: 2726.0/20

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -9.038+/-0.423 χ^2/NDF: 2999.5/25

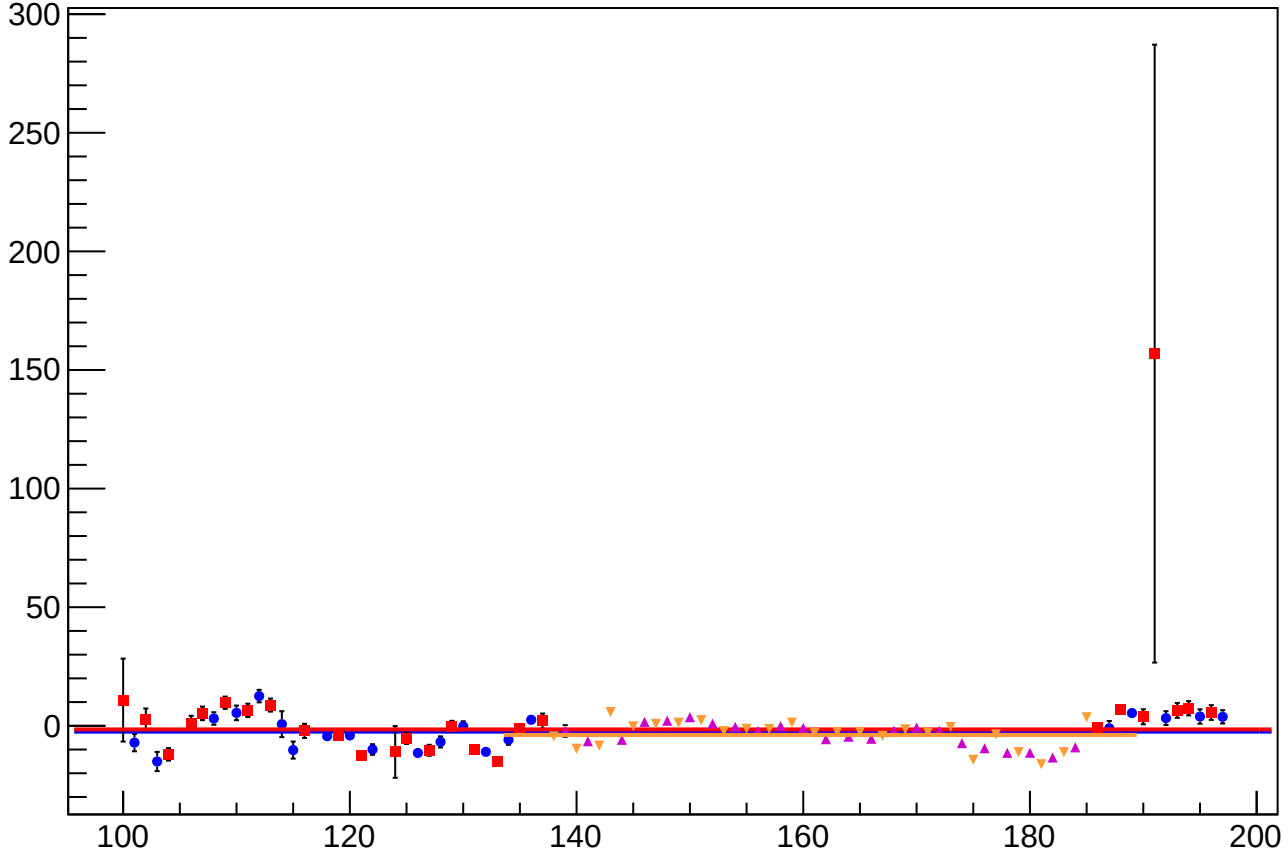
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.317+/-0.243 χ^2/NDF: 9197.3/45

All: 14.816+/-0.170 χ^2/NDF: 17149.9/94

- sign 14.334+/-0.238 χ^2/NDF: 7944.2/48

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -2.448+/-0.502 χ^2/NDF: 155.9/20

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

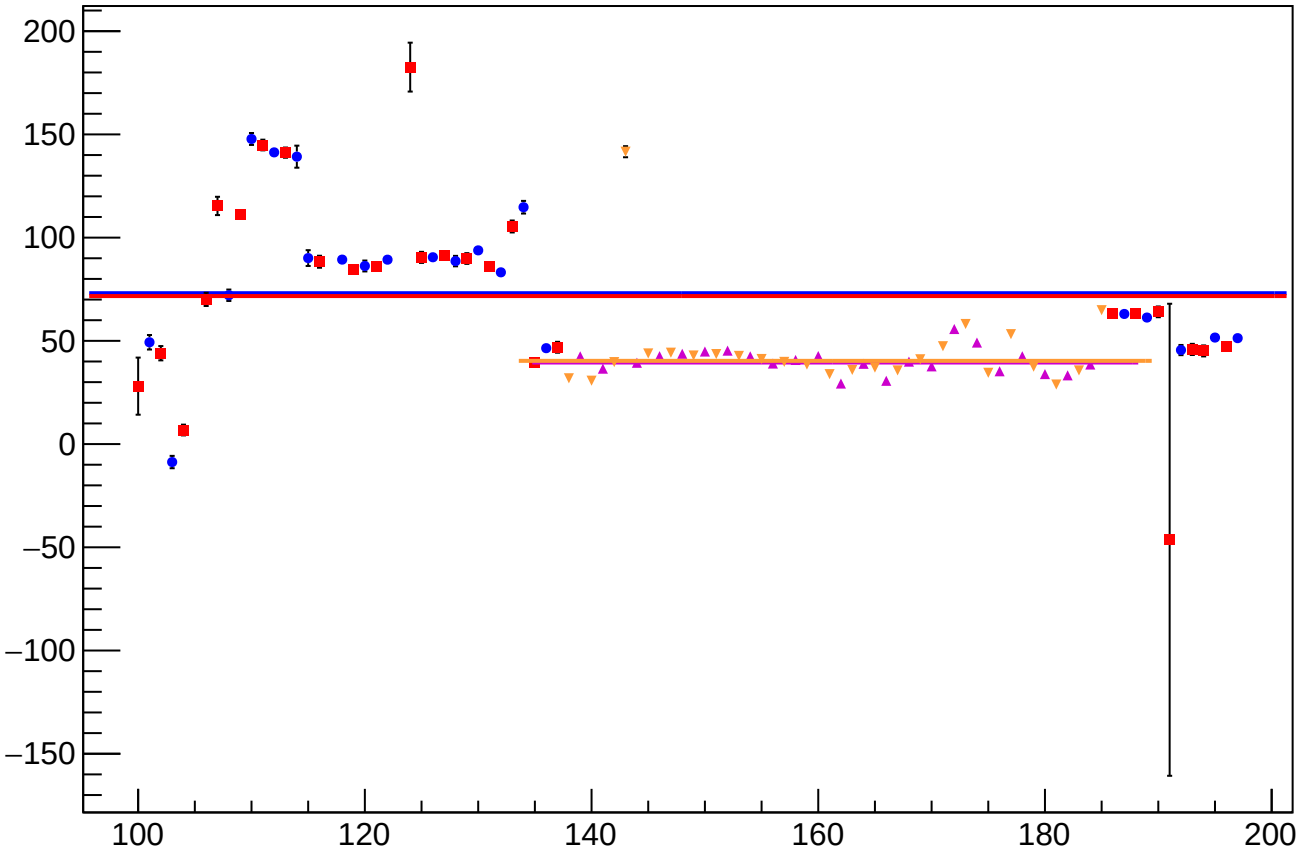
Right Out: -1.526+/-0.475 χ^2/NDF: 234.6/25

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.624+/-0.200 χ^2/NDF: 811.8/45

All: -3.499+/-0.142 χ^2/NDF: 1575.4/94

- sign -3.372+/-0.202 χ^2/NDF: 762.8/48



Right In: 73.080+/-0.495 χ^2/NDF: 3821.4/20

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

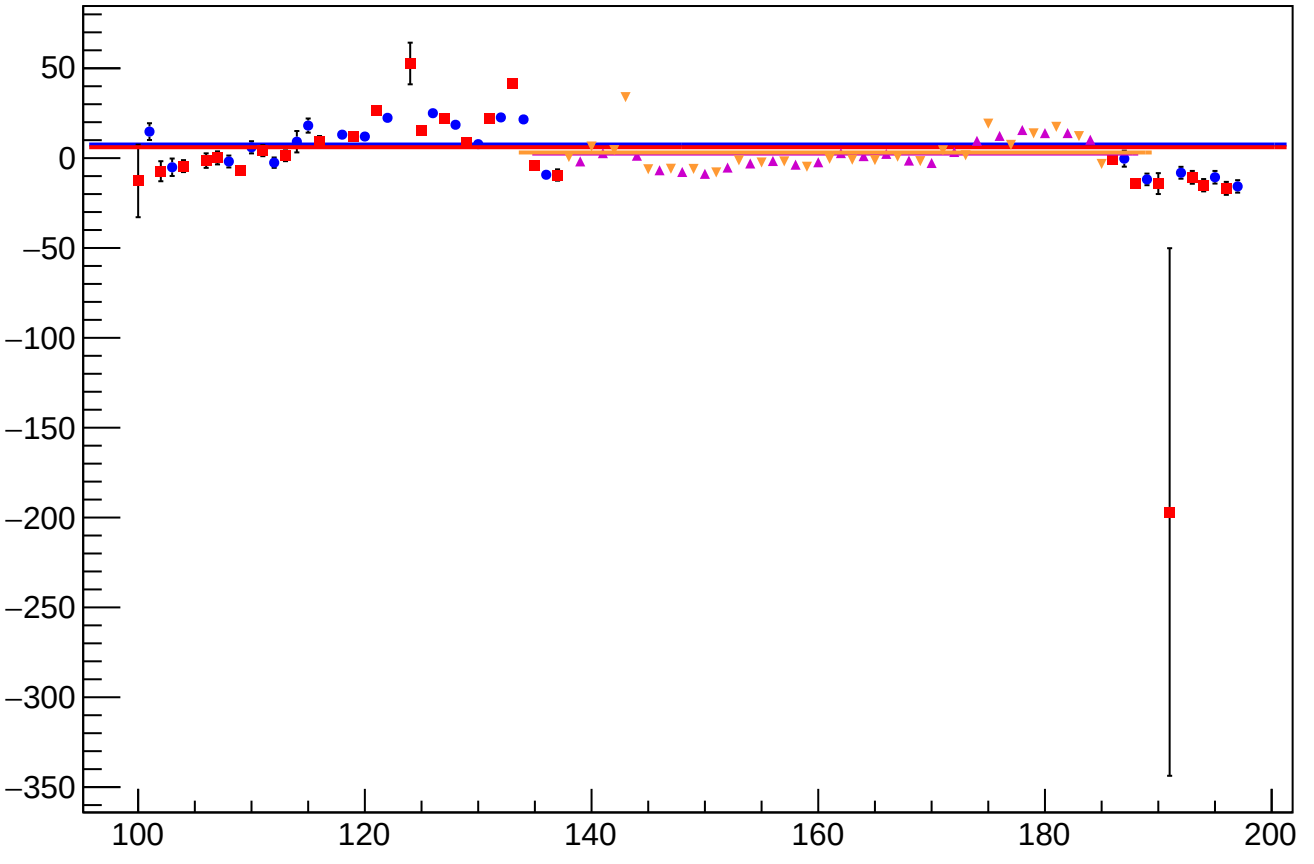
Right Out: 71.694+/-0.423 χ^2/NDF: 4080.5/25

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.263+/-0.244 χ^2/NDF: 9322.3/45

All: 48.924+/-0.170 χ^2/NDF: 17835.7/94

- sign 49.544+/-0.236 χ^2/NDF: 8499.2/48



Right In: 7.572+/-0.582 χ^2/NDF: 513.8/20

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

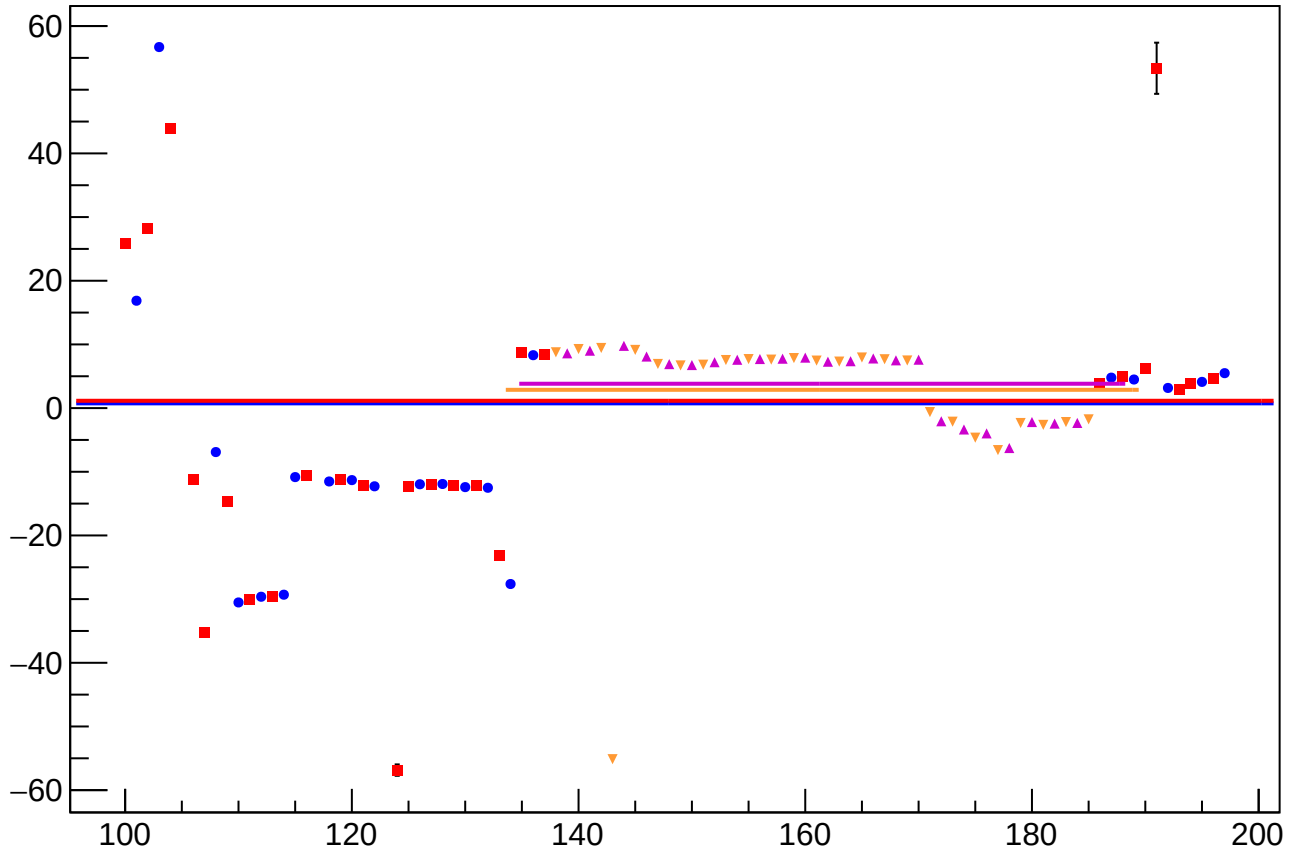
Right Out: 6.069+/-0.567 χ^2/NDF: 724.4/25

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.810+/-0.226 χ^2/NDF: 1830.0/45

All: 3.461+/-0.161 χ^2/NDF: 3560.1/94

- sign 3.100+/-0.230 χ^2/NDF: 1725.3/48



Right In: 0.744+/-0.030 χ^2/NDF: 374011.5/20

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.150+/-0.030 χ^2/NDF: 323083.8/25

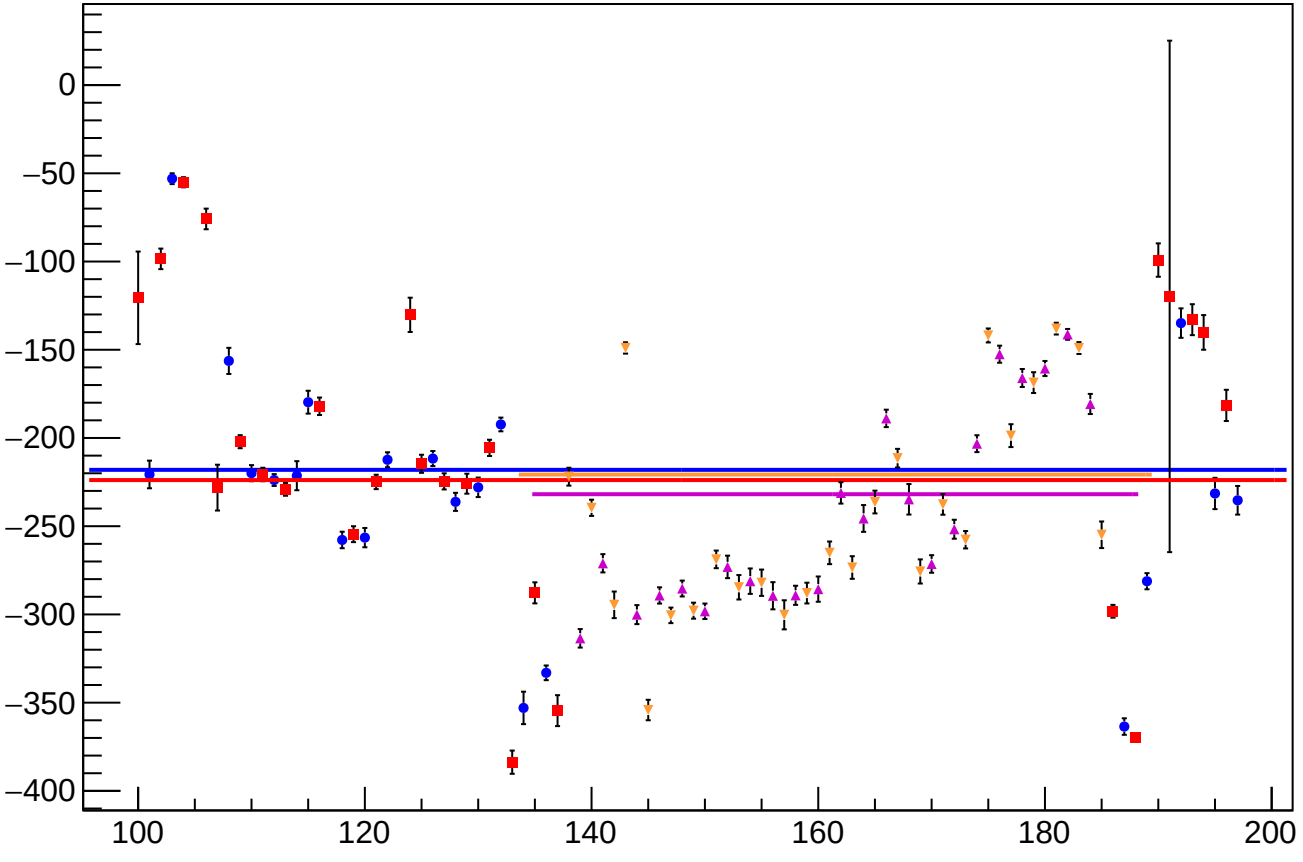
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.620+/-0.010 χ^2/NDF: 890753.2/45

All: 3.055+/-0.007 χ^2/NDF: 1457757.0/94

- sign 3.498+/-0.010 χ^2/NDF: 563409.9/48

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -218.059+/-1.086 χ^2/NDF: 5428.6/20

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

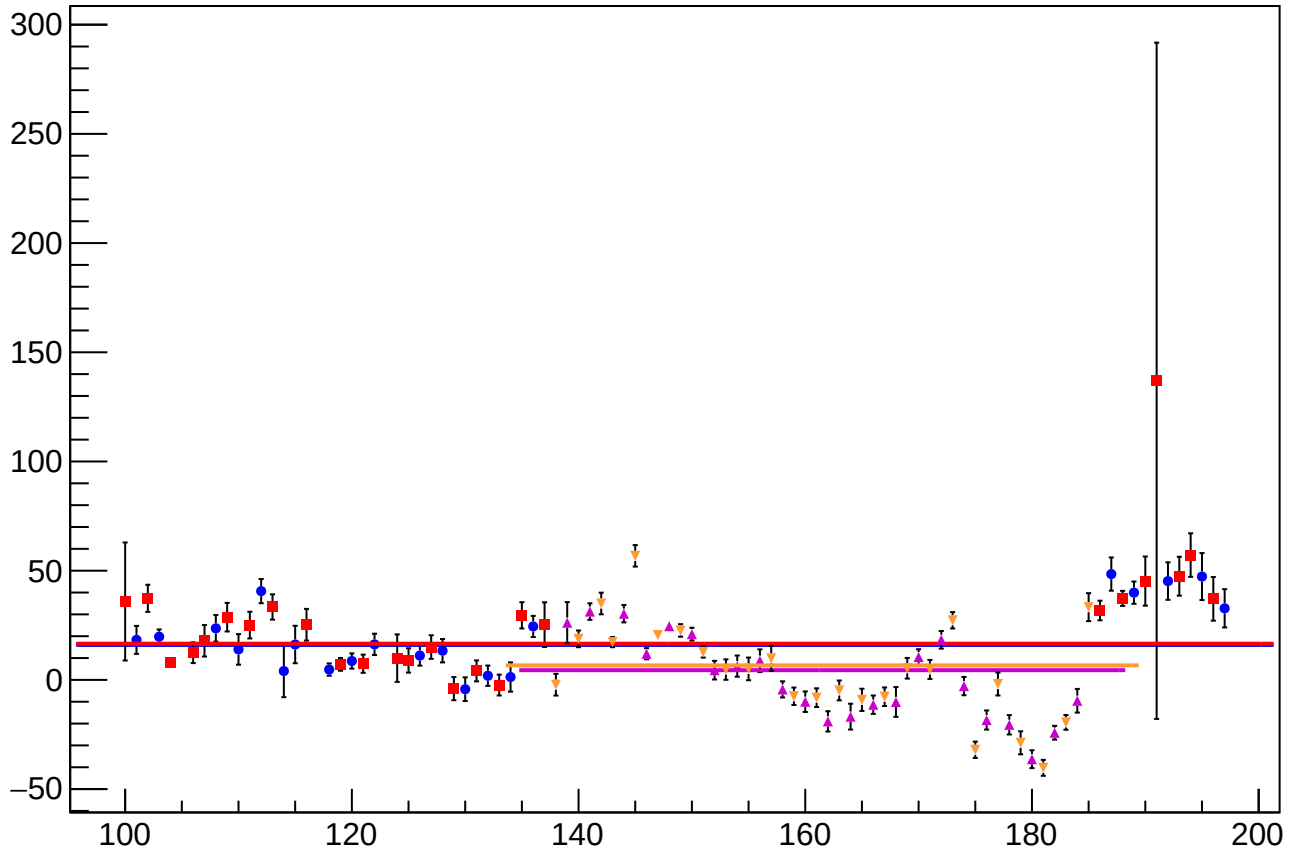
Right Out: -223.855+/-0.964 χ^2/NDF: 9959.8/25

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -219.476+/-0.743 χ^2/NDF: 9484.0/45

All: -223.581+/-0.516 χ^2/NDF: 22694.1/94

- sign -227.419+/-0.718 χ^2/NDF: 13150.9/48



Right In: 16.014+/-1.131 χ^2/NDF: 140.5/20

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 16.569+/-1.016 χ^2/NDF: 189.9/25

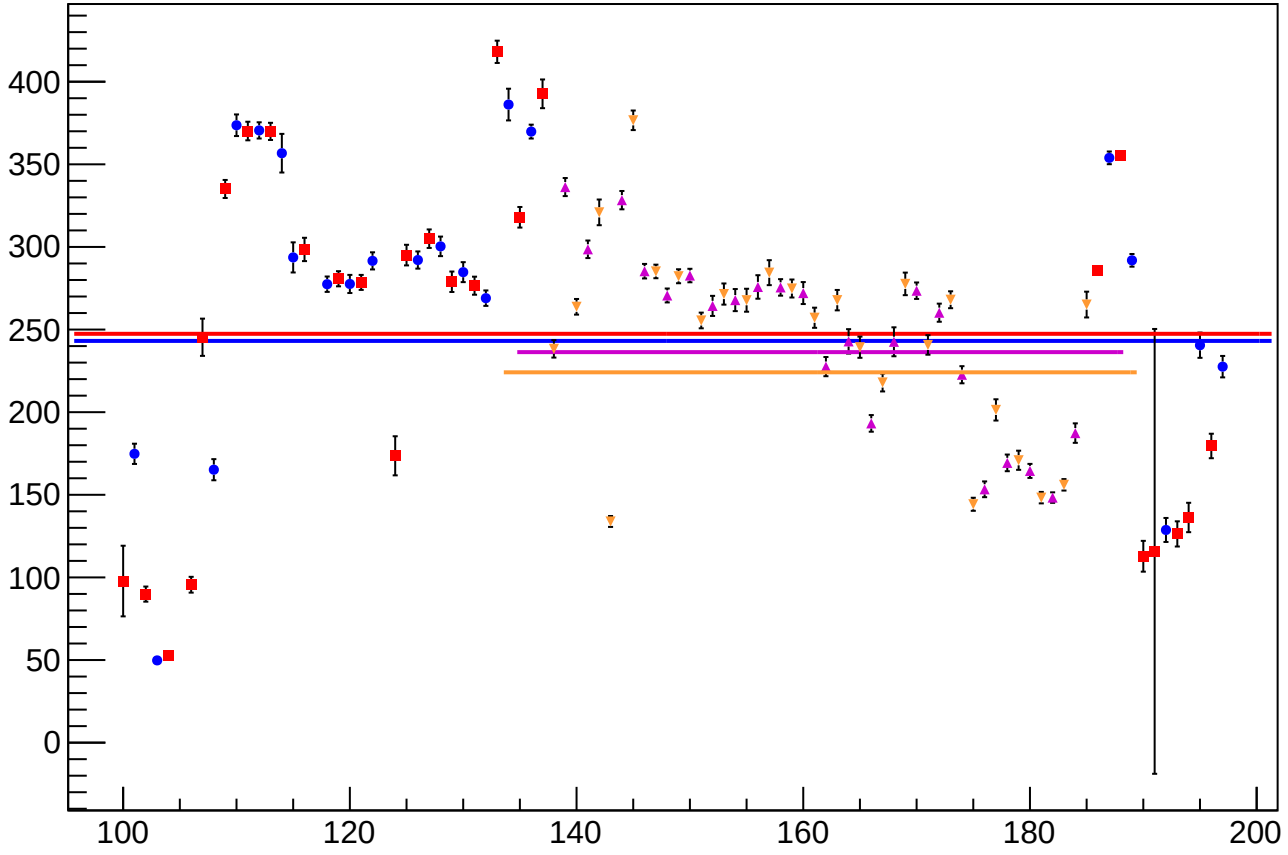
Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

\+ sign 9.519+/-0.626 χ^2/NDF: 923.0/45

All: 9.330+/-0.445 χ^2/NDF: 1767.5/94

\- sign 9.137+/-0.632 χ^2/NDF: 844.2/48

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 243.128+/-1.101 χ^2/NDF: 10727.4/20

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

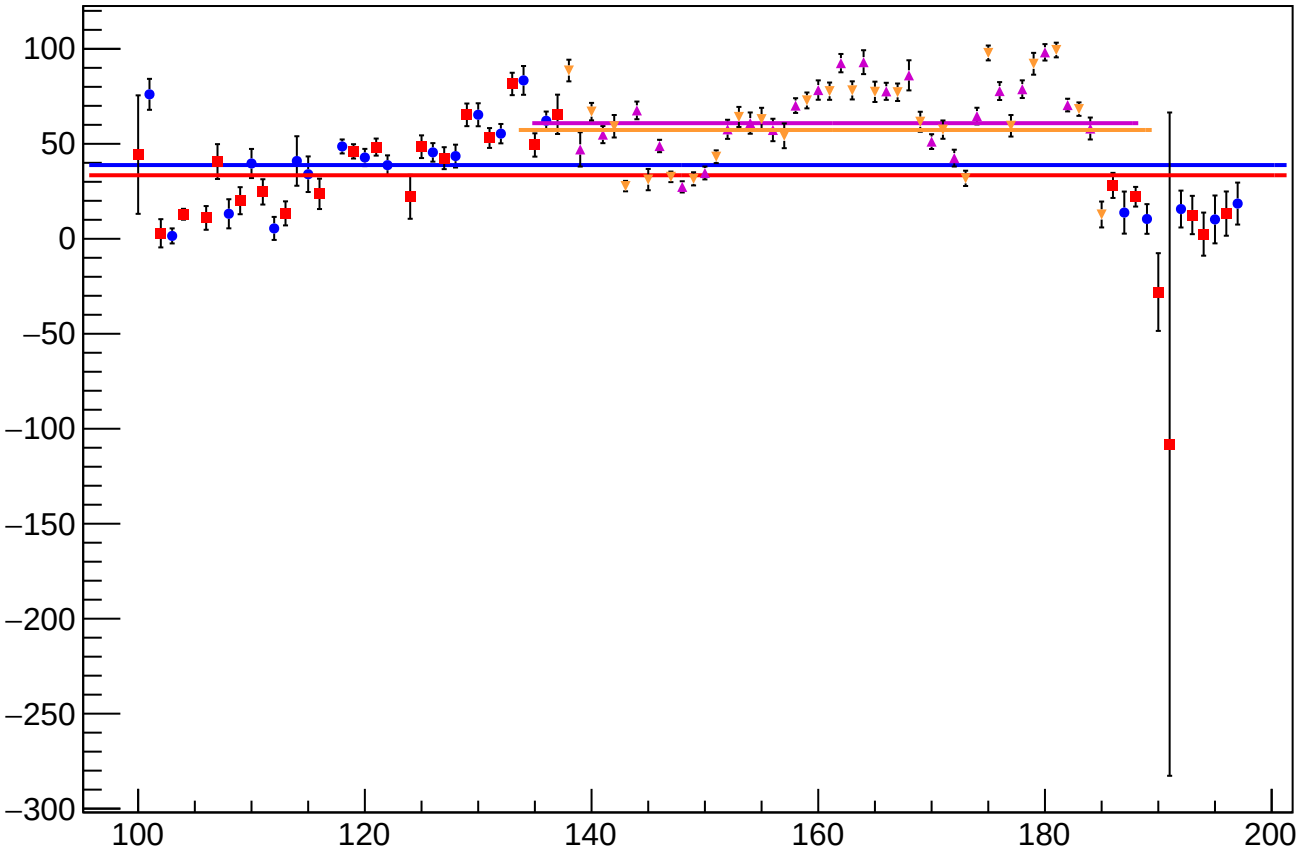
Right Out: 247.427+/-0.942 χ^2/NDF: 16140.3/25

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 232.845+/-0.746 χ^2/NDF: 14855.4/45

All: 237.972+/-0.513 χ^2/NDF: 34139.0/94

- sign 242.569+/-0.706 χ^2/NDF: 19194.0/48



Right In: 38.818+/-1.334 χ^2/NDF: 281.4/20

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 33.452+/-1.227 χ^2/NDF: 286.0/25

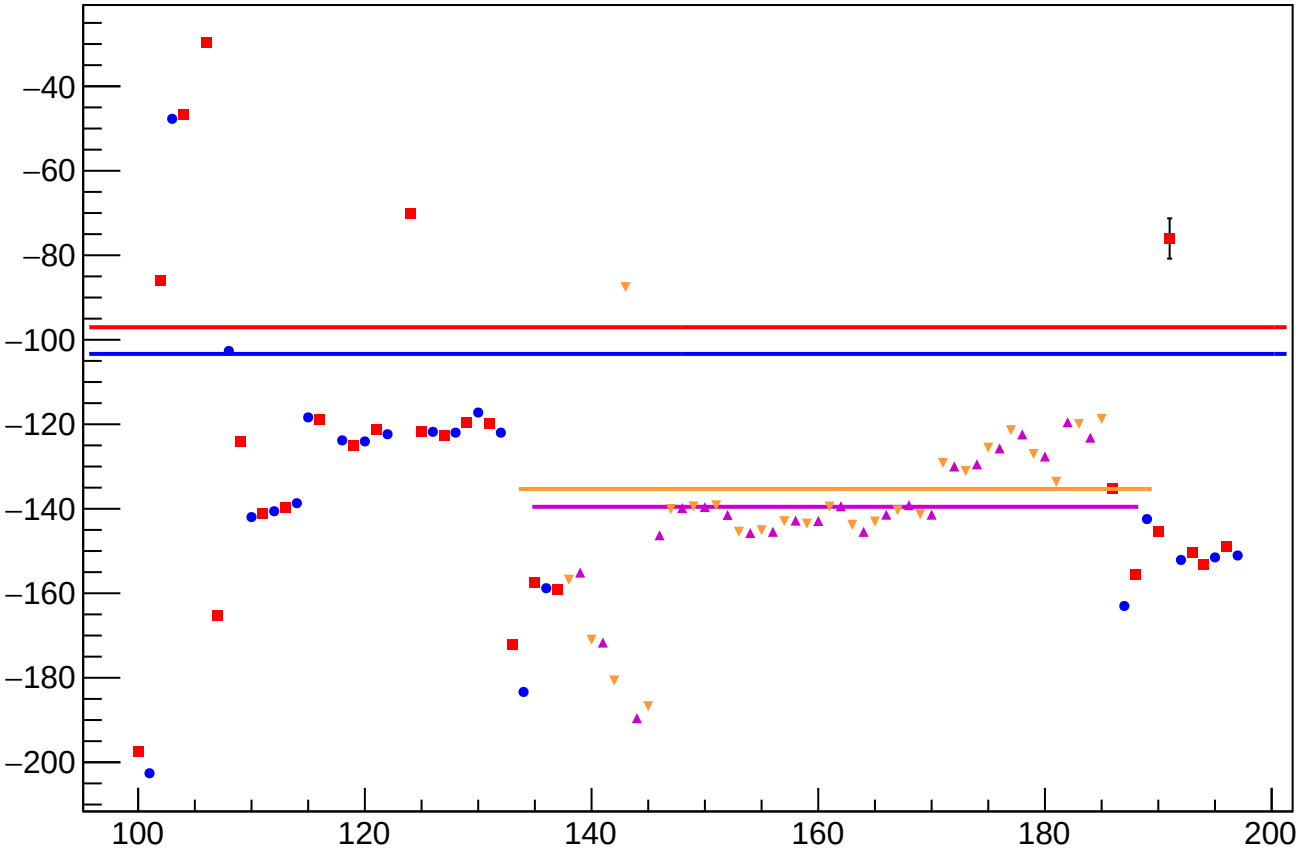
Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 51.796+/-0.728 χ^2/NDF: 1183.9/45

All: 51.390+/-0.518 χ^2/NDF: 2244.3/94

- sign 50.972+/-0.737 χ^2/NDF: 1059.8/48

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -103.345+/-0.064 χ^2/NDF: 610627.5/20

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

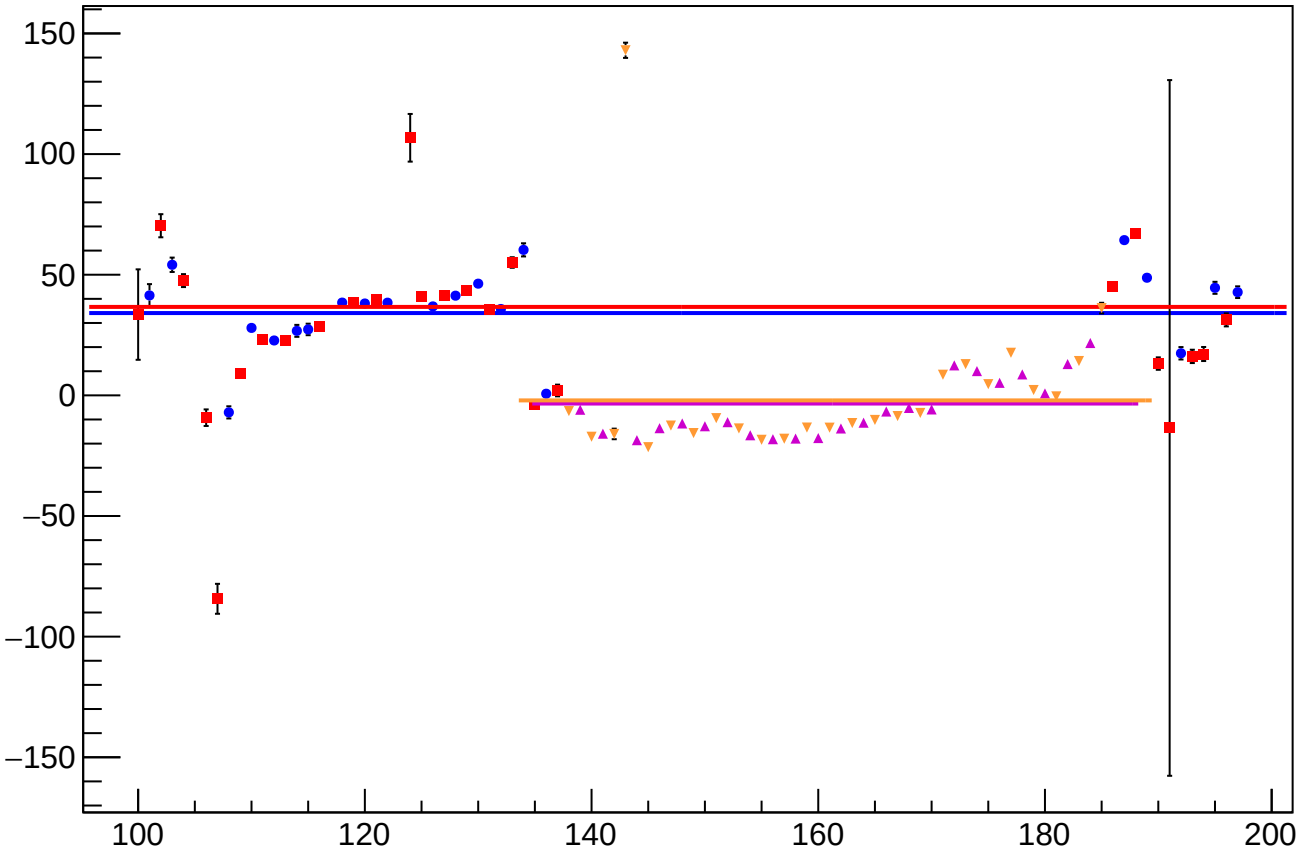
Right Out: -97.023+/-0.061 χ^2/NDF: 647740.3/25

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

\+ sign -126.199+/-0.034 χ^2/NDF: 1050273.4/45

All: -125.981+/-0.024 χ^2/NDF: 2142769.2/94

\- sign -125.759+/-0.035 χ^2/NDF: 1092414.4/48



Right In: 34.109+/-0.373 χ^2/NDF: 2223.8/20

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

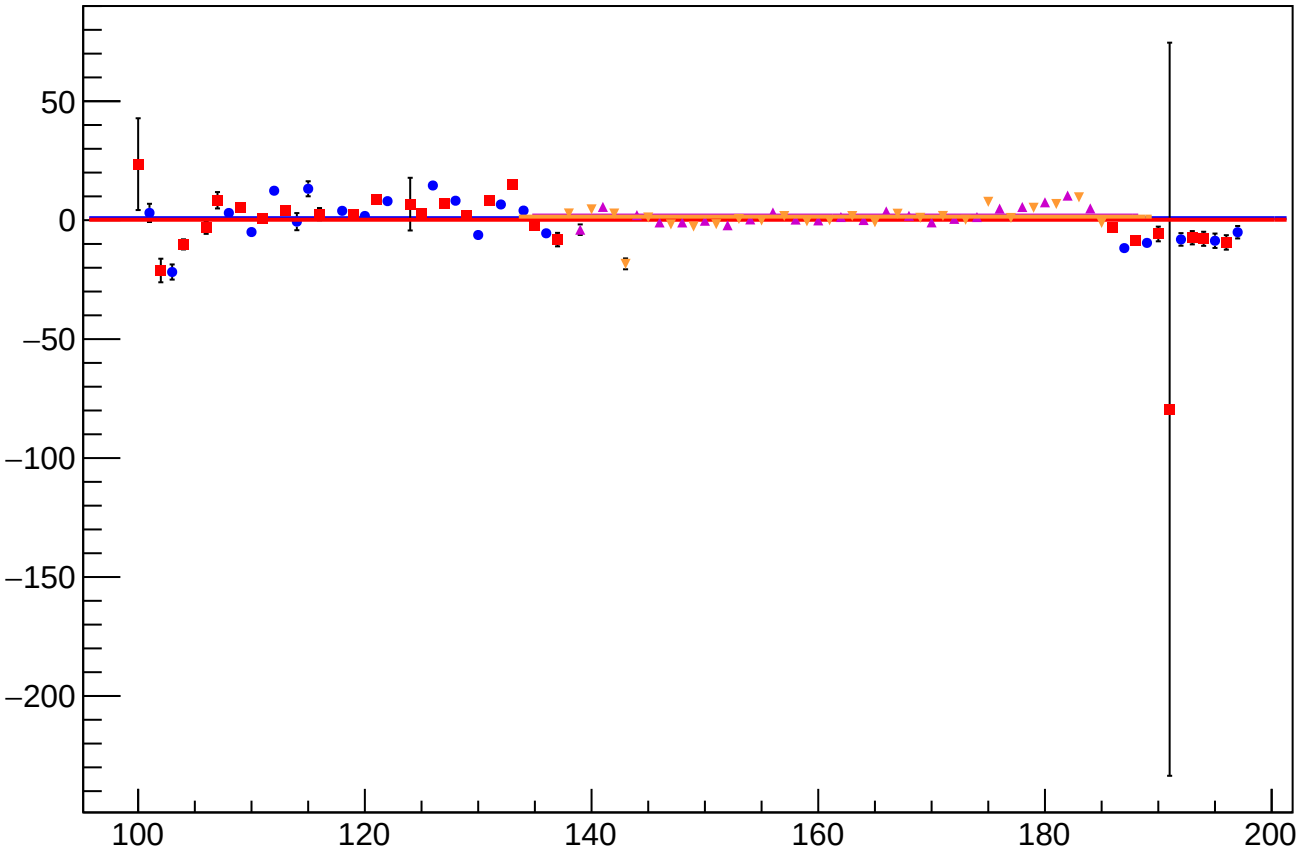
Right Out: 36.658+/-0.322 χ^2/NDF: 4488.3/25

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 10.166+/-0.217 χ^2/NDF: 12660.0/45

All: 11.777+/-0.150 χ^2/NDF: 28061.8/94

\- sign 13.250+/-0.207 χ^2/NDF: 15296.2/48



Right In: 0.839+/-0.403 χ^2/NDF: 381.7/20

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.178+/-0.372 χ^2/NDF: 344.8/25

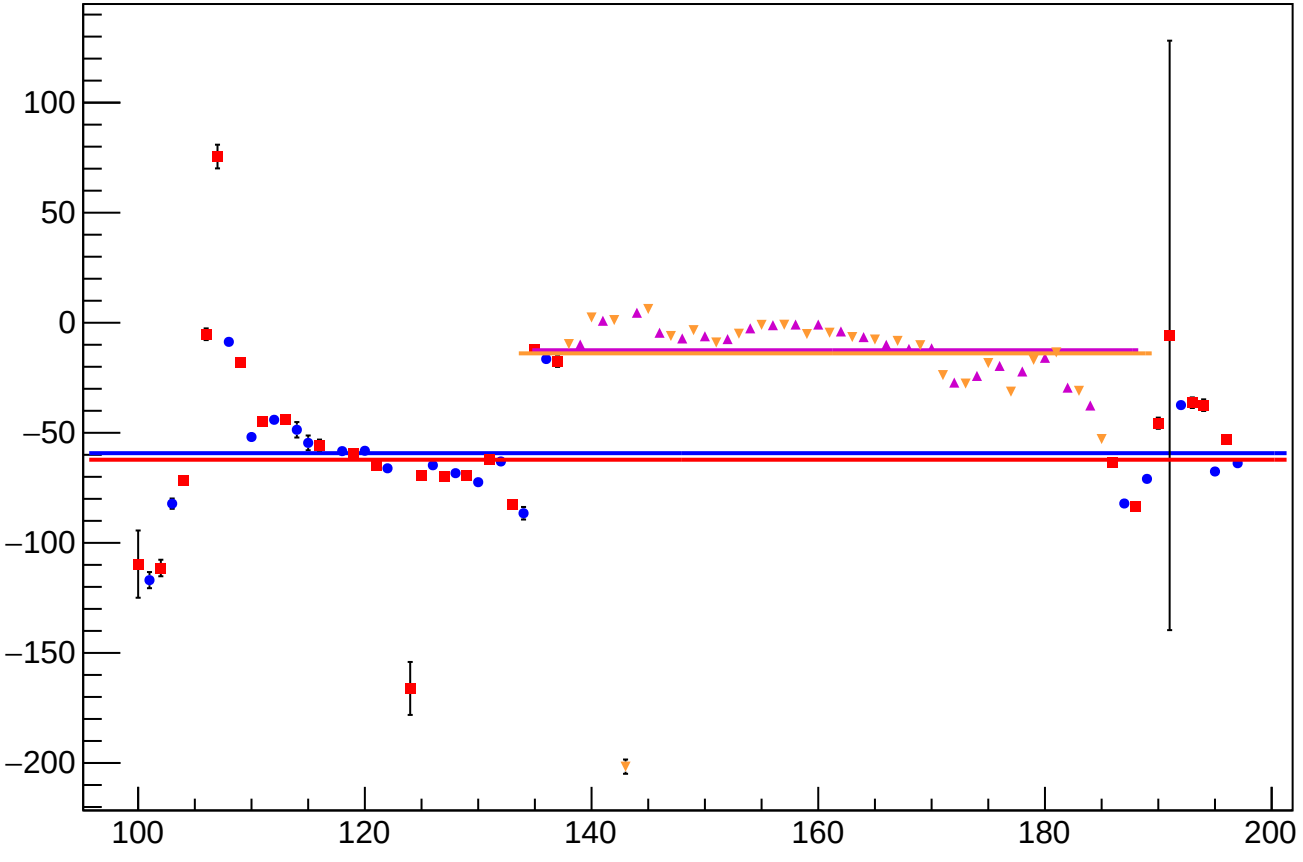
Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.355+/-0.183 χ^2/NDF: 712.4/45

All: 1.431+/-0.129 χ^2/NDF: 1315.1/94

- sign 1.507+/-0.183 χ^2/NDF: 602.4/48

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -59.252+/-0.390 χ^2/NDF: 3220.2/20

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

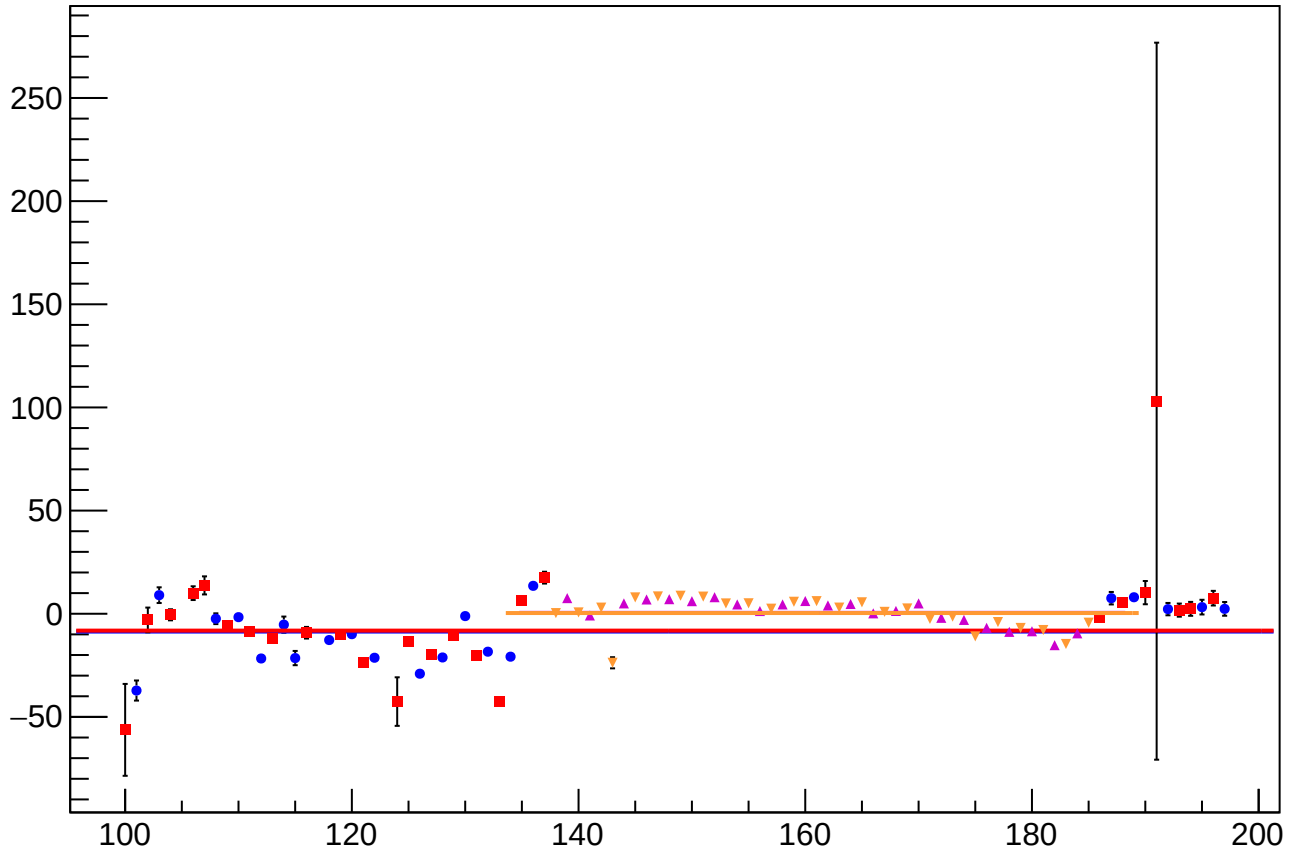
Right Out: -62.233+/-0.318 χ^2/NDF: 5204.2/25

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -28.210+/-0.219 χ^2/NDF: 17604.0/45

All: -30.869+/-0.150 χ^2/NDF: 38783.1/94

\- sign -33.205+/-0.205 χ^2/NDF: 20902.3/48



Right In: -8.629+/-0.472 χ^2/NDF: 798.0/20

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

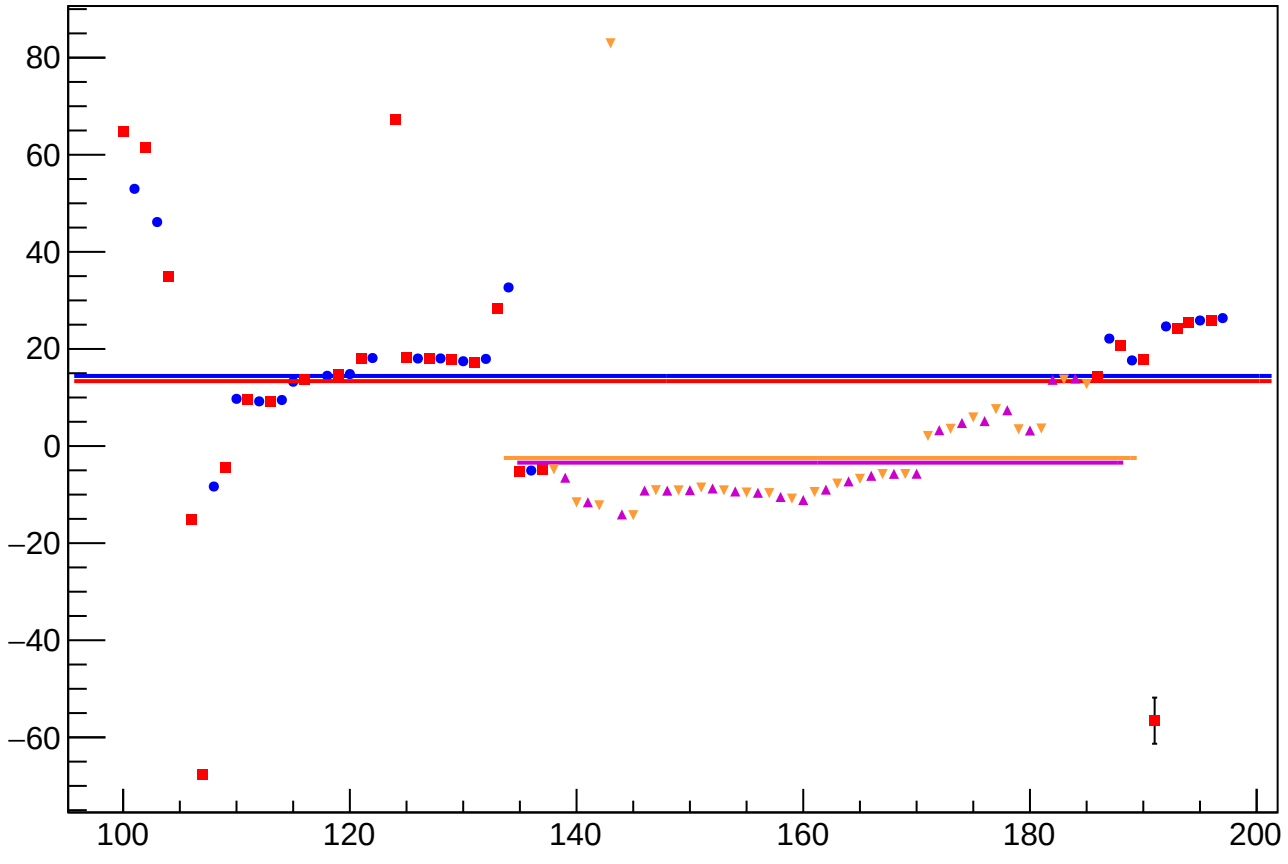
Right Out: -8.176+/-0.451 χ^2/NDF: 852.4/25

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.394+/-0.208 χ^2/NDF: 2011.5/45

All: -1.411+/-0.148 χ^2/NDF: 3932.1/94

\- sign -1.428+/-0.210 χ^2/NDF: 1920.5/48



Right In: 14.440+/-0.026 χ^2/NDF: 396615.2/20

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

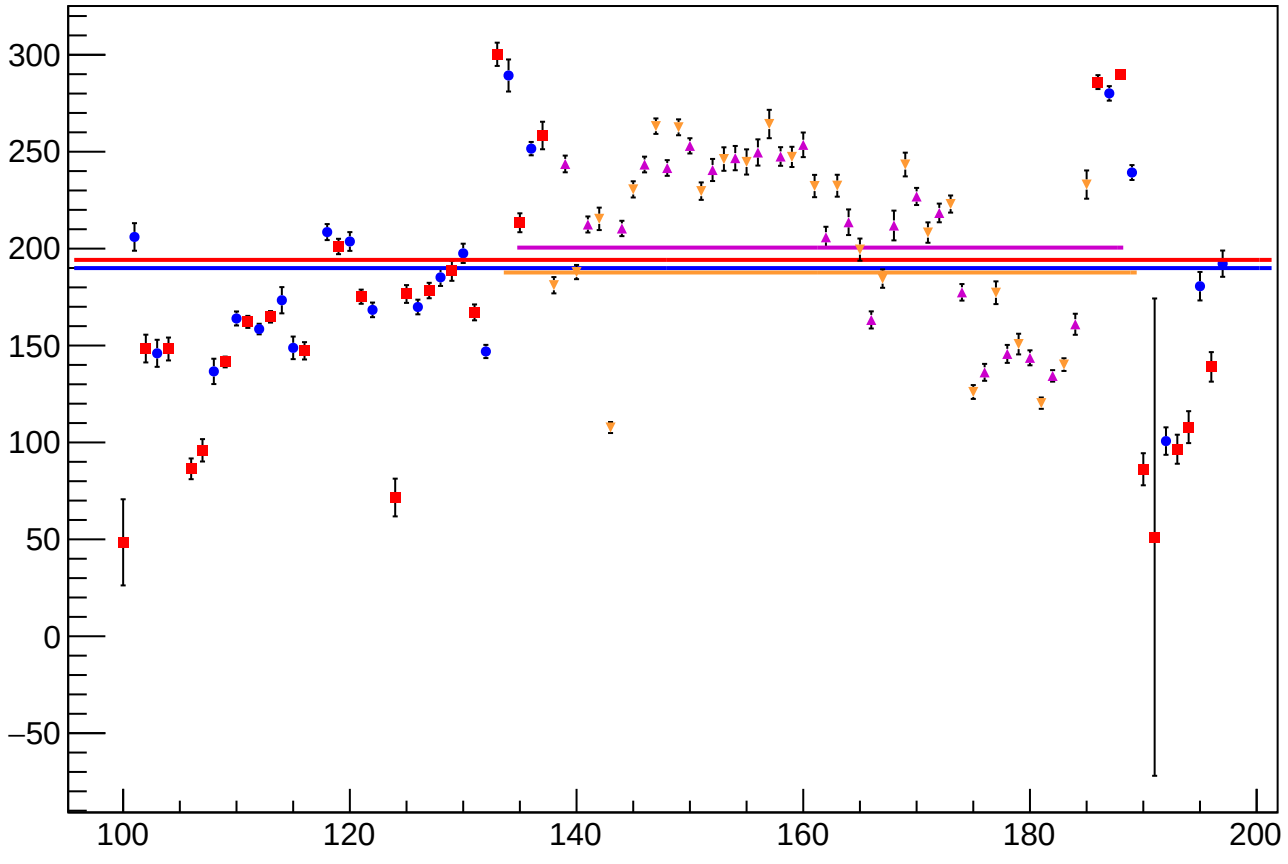
Right Out: 13.371+/-0.025 χ^2/NDF: 507236.9/25

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.100+/-0.010 χ^2/NDF: 1729147.7/45

All: -0.529+/-0.007 χ^2/NDF: 3165463.6/94

- sign -0.962+/-0.010 χ^2/NDF: 1432303.5/48



Right In: 189.951+/-0.980 χ^2/NDF: 1969.5/20

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

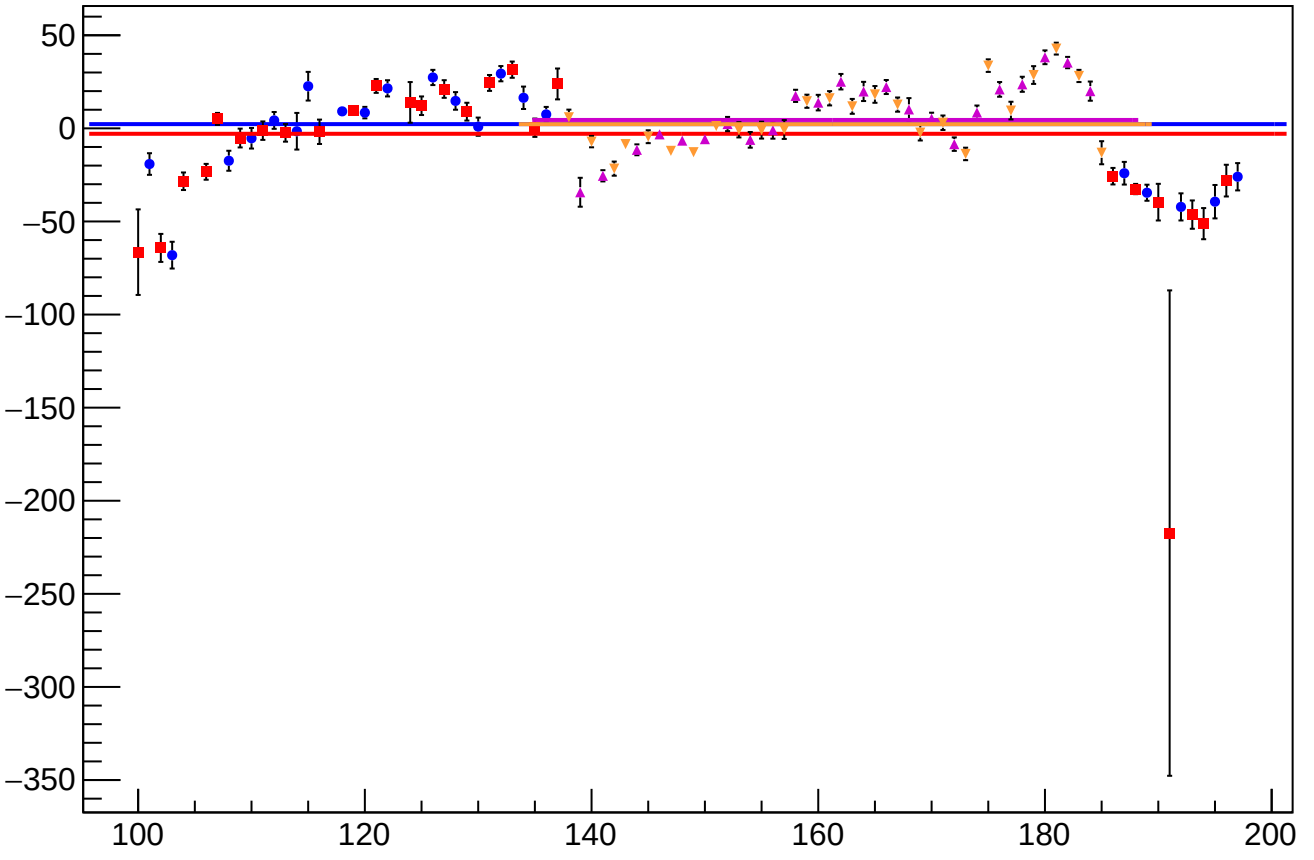
Right Out: 194.186+/-0.858 χ^2/NDF: 5677.9/25

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.716+/-0.662 χ^2/NDF: 5500.8/45

All: 193.017+/-0.460 χ^2/NDF: 13395.9/94

- sign 197.017+/-0.638 χ^2/NDF: 7813.6/48



Right In: 2.276+/-1.033 χ^2/NDF: 424.2/20

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

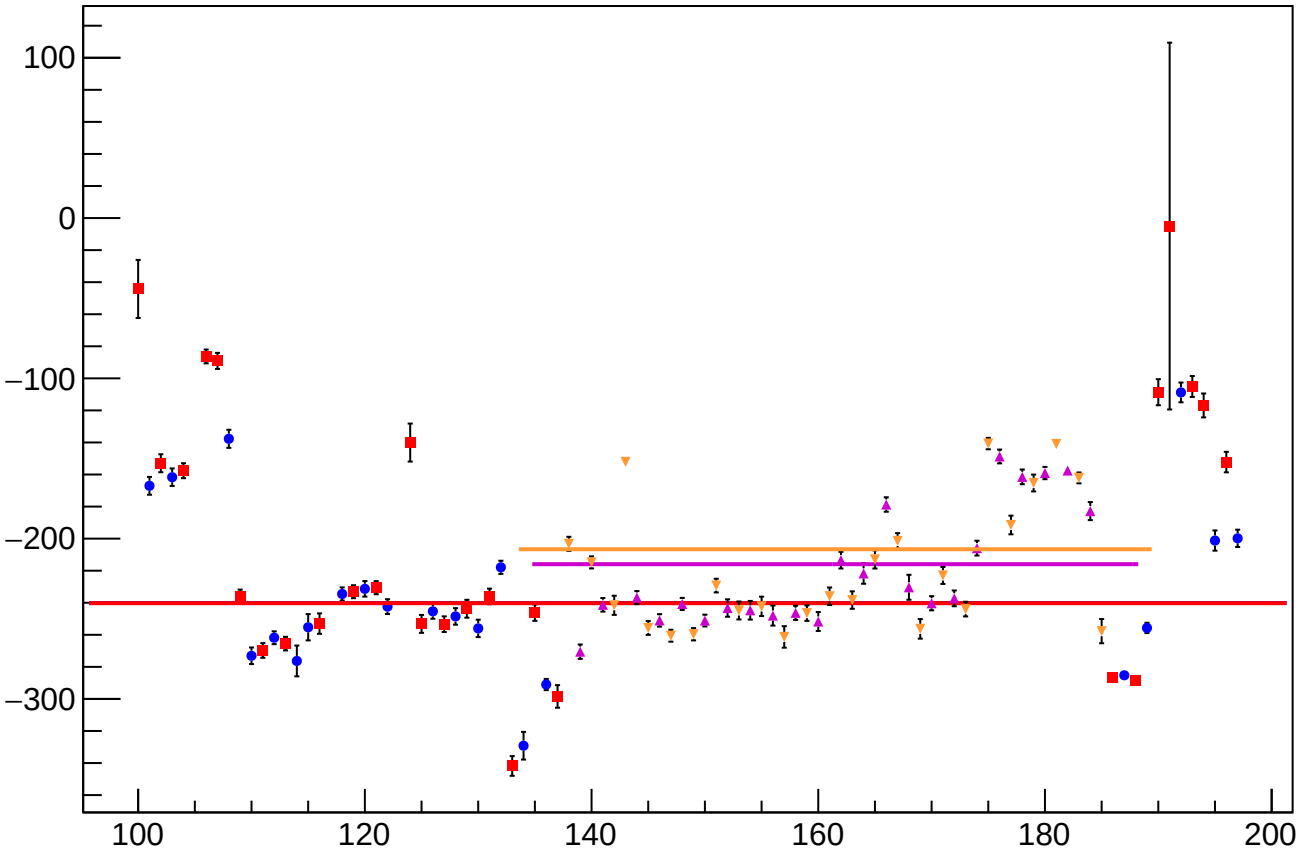
Right Out: -2.918+/-0.943 χ^2/NDF: 595.2/25

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 2.254+/-0.559 χ^2/NDF: 1025.1/45

All: 2.034+/-0.399 χ^2/NDF: 2207.2/94

\- sign 1.804+/-0.569 χ^2/NDF: 1181.8/48



Right In: -240.172+/-1.035 χ^2/NDF: 1949.3/20

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

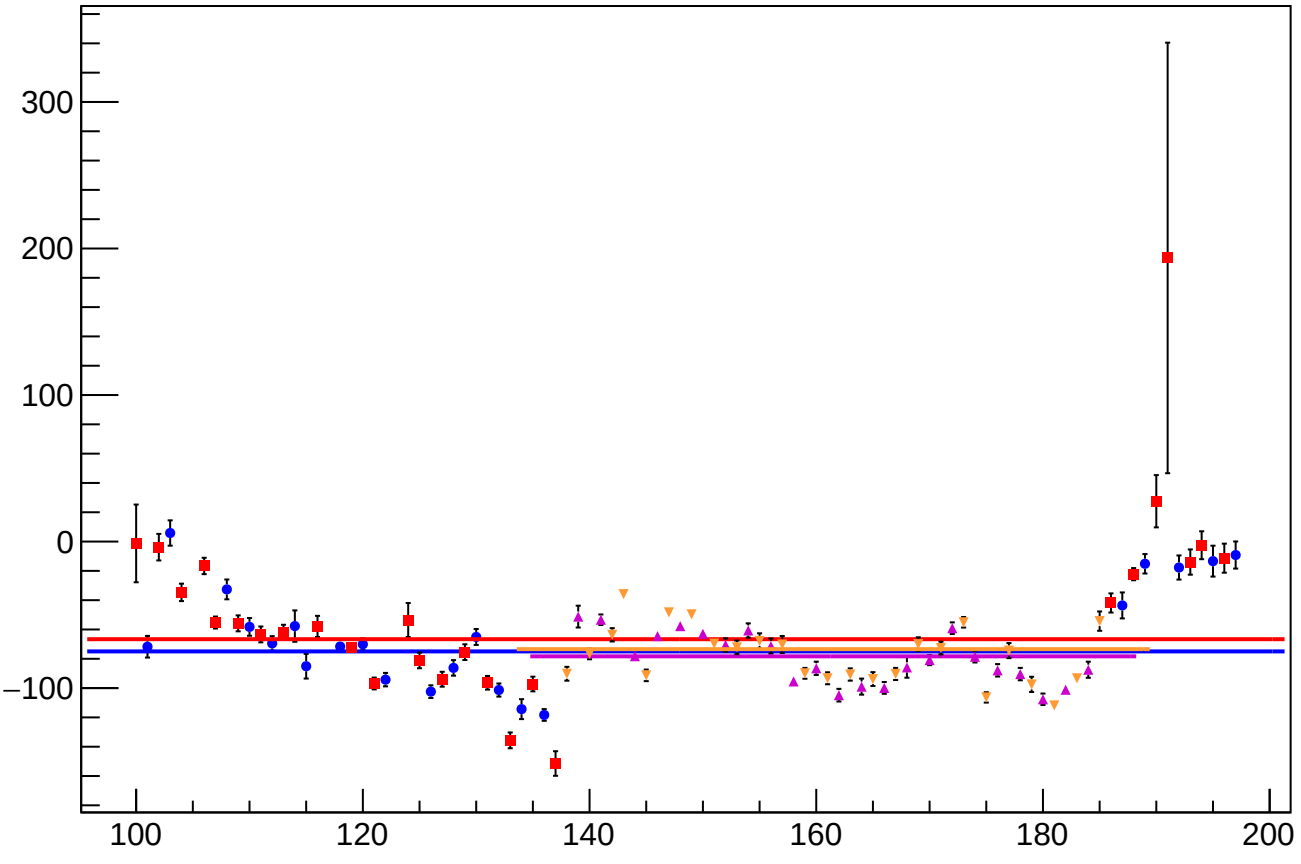
Right Out: -240.256+/-0.870 χ^2/NDF: 5725.8/25

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -220.970+/-0.677 χ^2/NDF: 5018.6/45

All: -225.271+/-0.465 χ^2/NDF: 12891.0/94

- sign -229.120+/-0.640 χ^2/NDF: 7795.9/48



Right In: -74.964+/-1.217 χ^2/NDF: 618.7/20

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -66.629+/-1.132 χ^2/NDF: 894.7/25

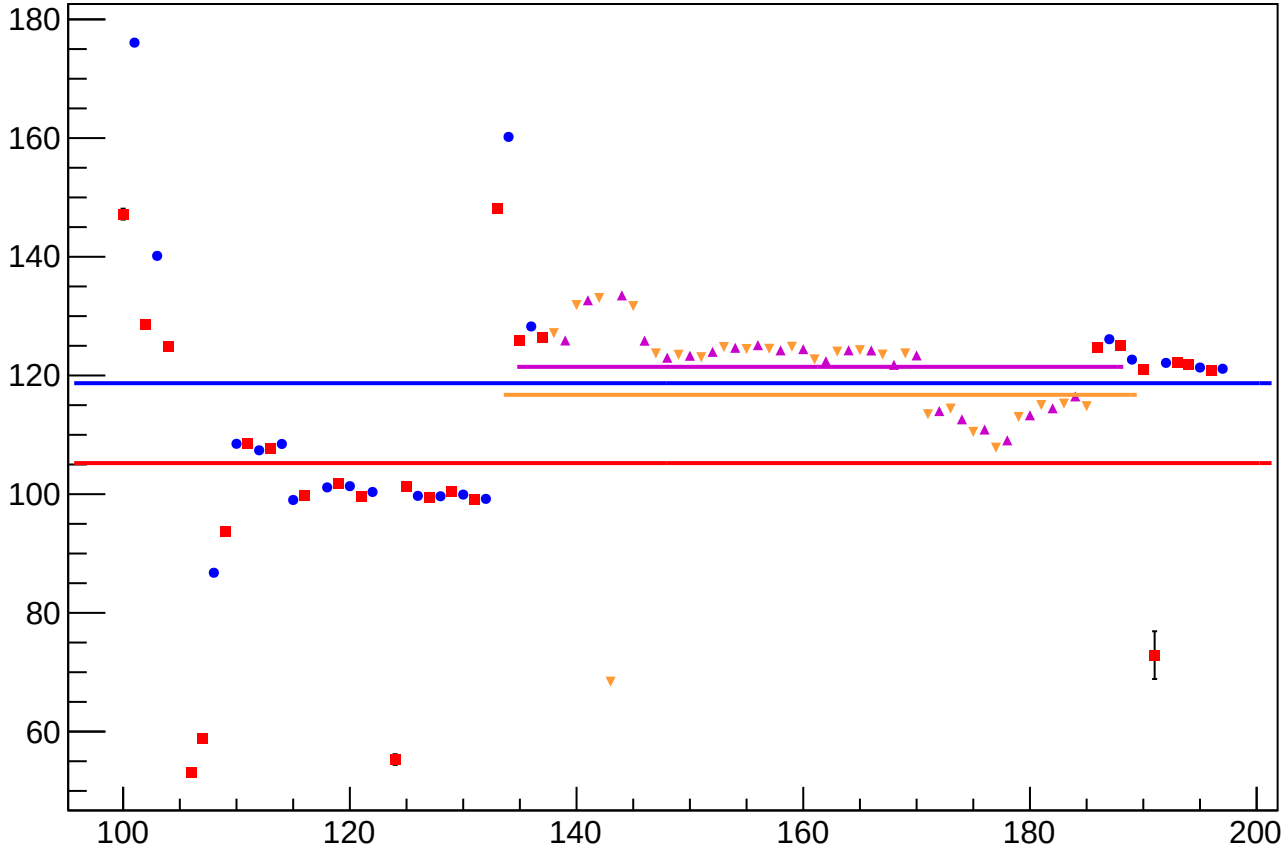
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.863+/-0.649 χ^2/NDF: 1456.4/45

All: -74.087+/-0.464 χ^2/NDF: 2864.8/94

- sign -74.320+/-0.663 χ^2/NDF: 1408.2/48

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 118.700+/-0.069 χ^2/NDF: 96249.7/20

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 105.238+/-0.061 χ^2/NDF: 193051.6/25

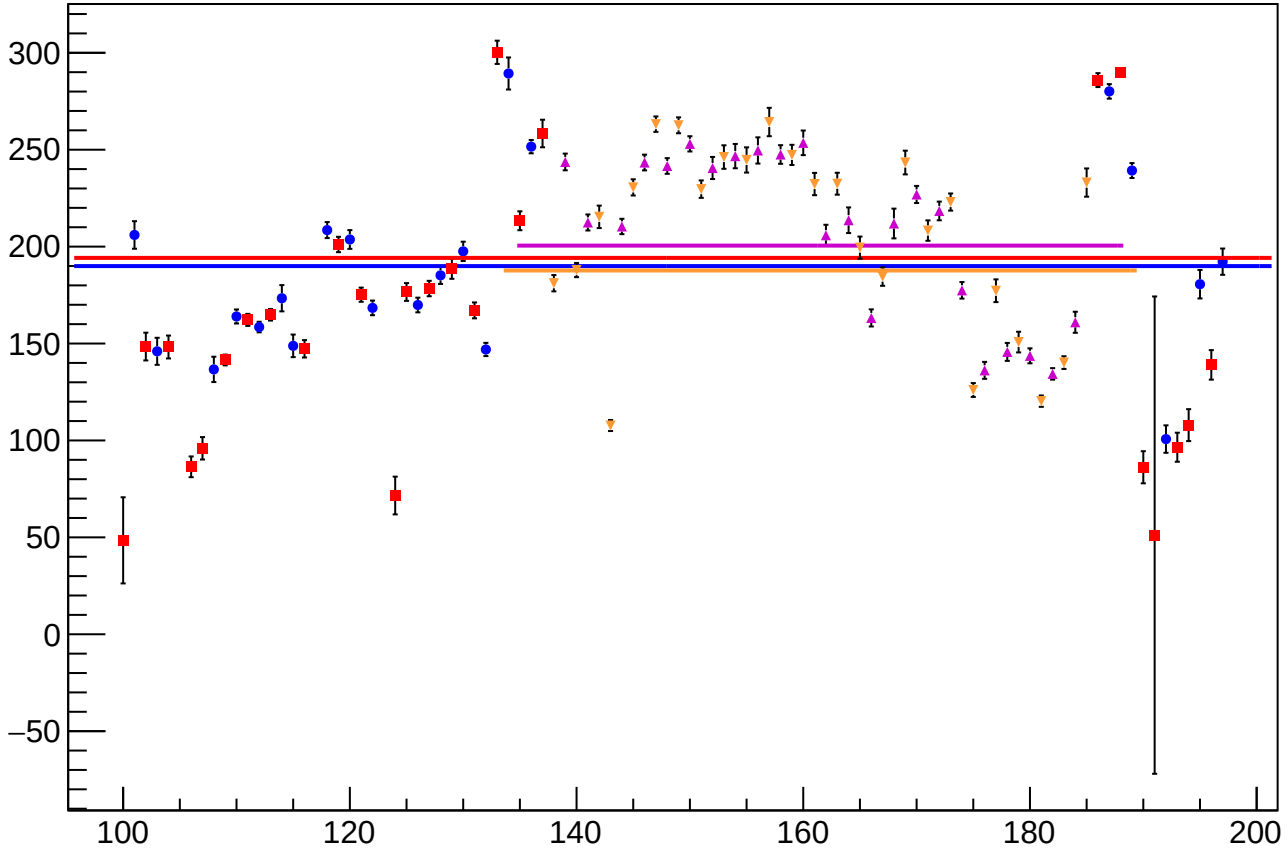
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.158+/-0.032 χ^2/NDF: 300539.3/45

All: 117.113+/-0.022 χ^2/NDF: 573630.6/94

- sign 117.067+/-0.032 χ^2/NDF: 273087.2/48

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 189.951+/-0.980 χ^2/NDF: 1969.5/20

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

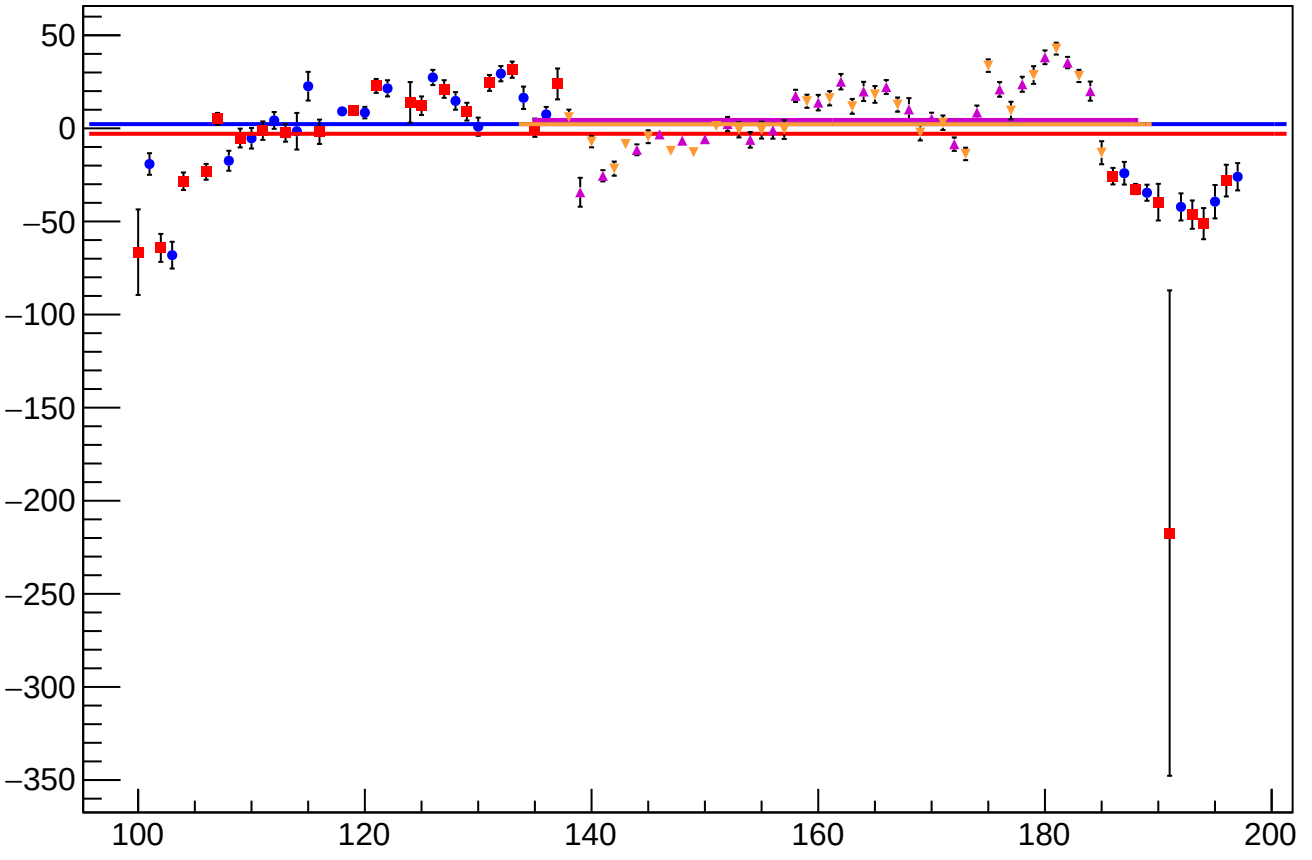
Right Out: 194.186+/-0.858 χ^2/NDF: 5677.9/25

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.716+/-0.662 χ^2/NDF: 5500.8/45

All: 193.017+/-0.460 χ^2/NDF: 13395.9/94

- sign 197.017+/-0.638 χ^2/NDF: 7813.6/48



Right In: 2.276+/-1.033 χ^2/NDF: 424.2/20

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

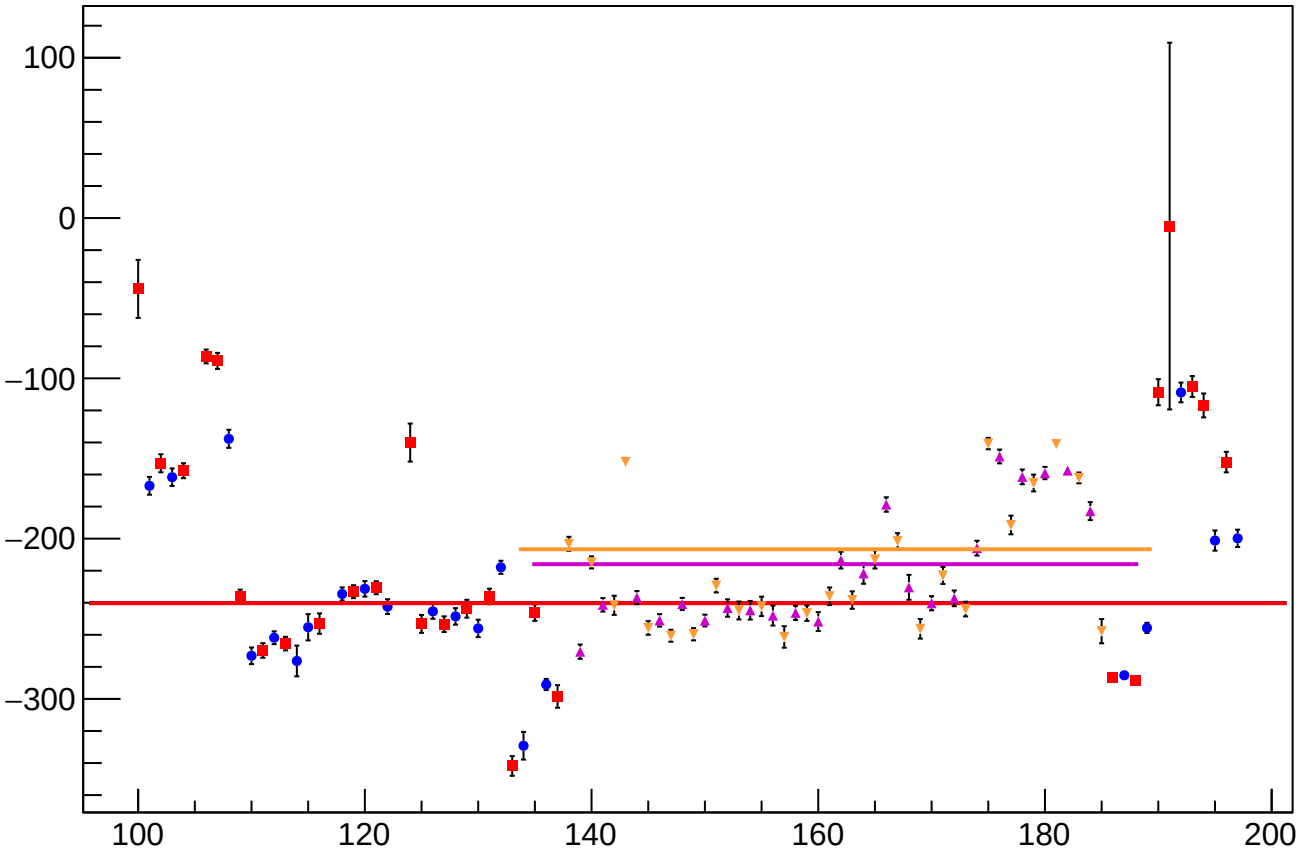
Right Out: -2.918+/-0.943 χ^2/NDF: 595.2/25

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.254+/-0.559 χ^2/NDF: 1025.1/45

All: 2.034+/-0.399 χ^2/NDF: 2207.2/94

- sign 1.804+/-0.569 χ^2/NDF: 1181.8/48



Right In: -240.172+/-1.035 χ^2/NDF: 1949.3/20

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

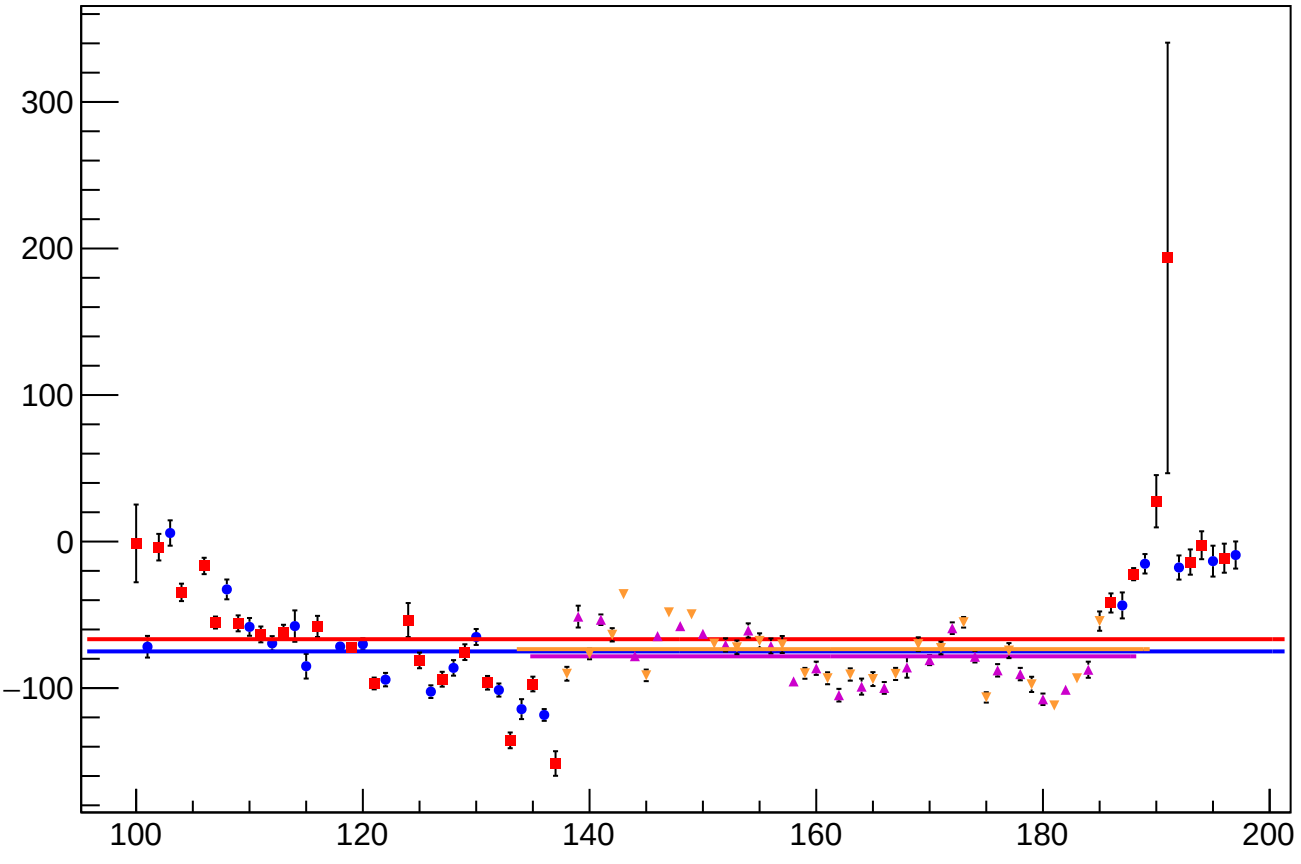
Right Out: -240.256+/-0.870 χ^2/NDF: 5725.8/25

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -220.970+/-0.677 χ^2/NDF: 5018.6/45

All: -225.271+/-0.465 χ^2/NDF: 12891.0/94

- sign -229.120+/-0.640 χ^2/NDF: 7795.9/48



Right In: -74.964+/-1.217 χ^2/NDF: 618.7/20

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

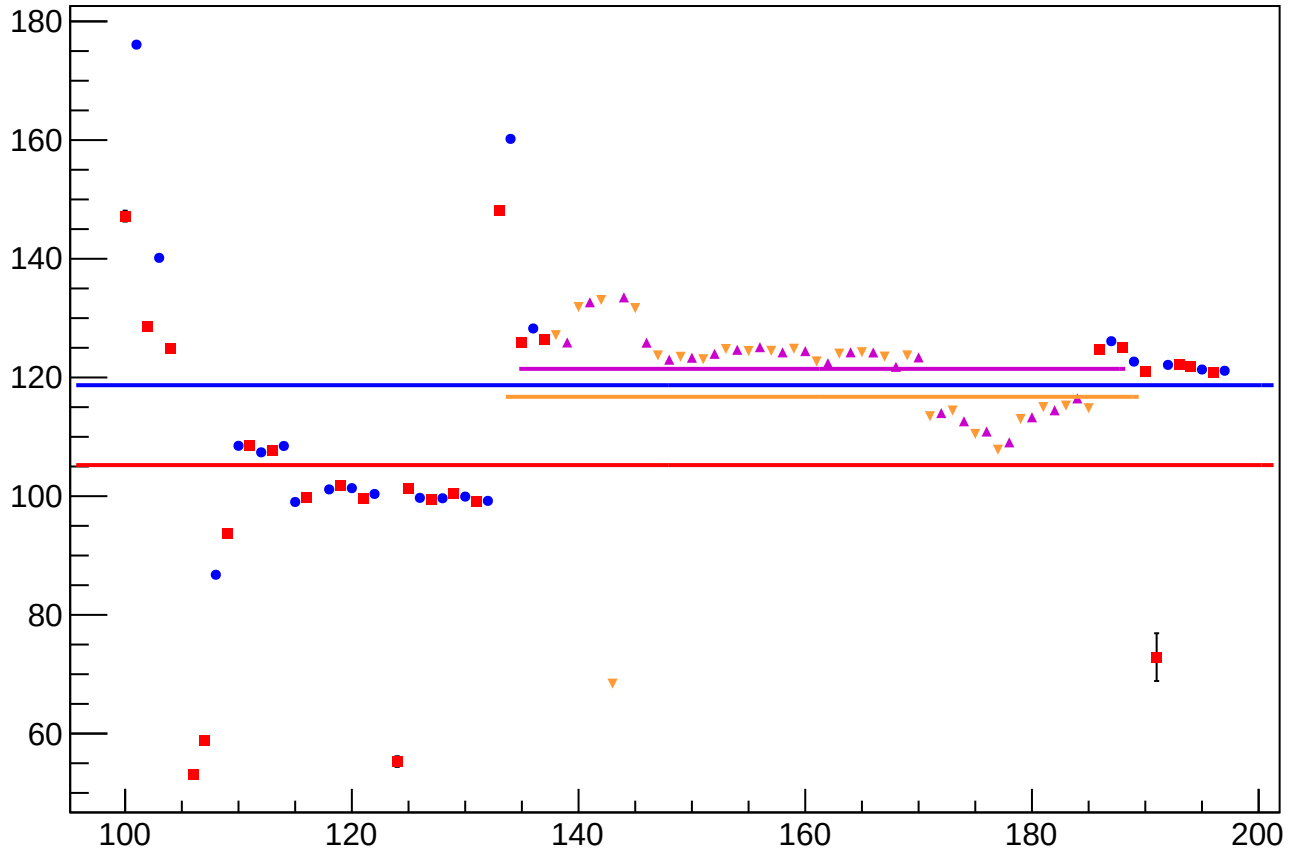
Right Out: -66.629+/-1.132 χ^2/NDF: 894.7/25

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -73.863+/-0.649 χ^2/NDF: 1456.4/45

All: -74.087+/-0.464 χ^2/NDF: 2864.8/94

- sign -74.320+/-0.663 χ^2/NDF: 1408.2/48



Right In: 118.700+/-0.069 χ^2/NDF: 96249.7/20

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

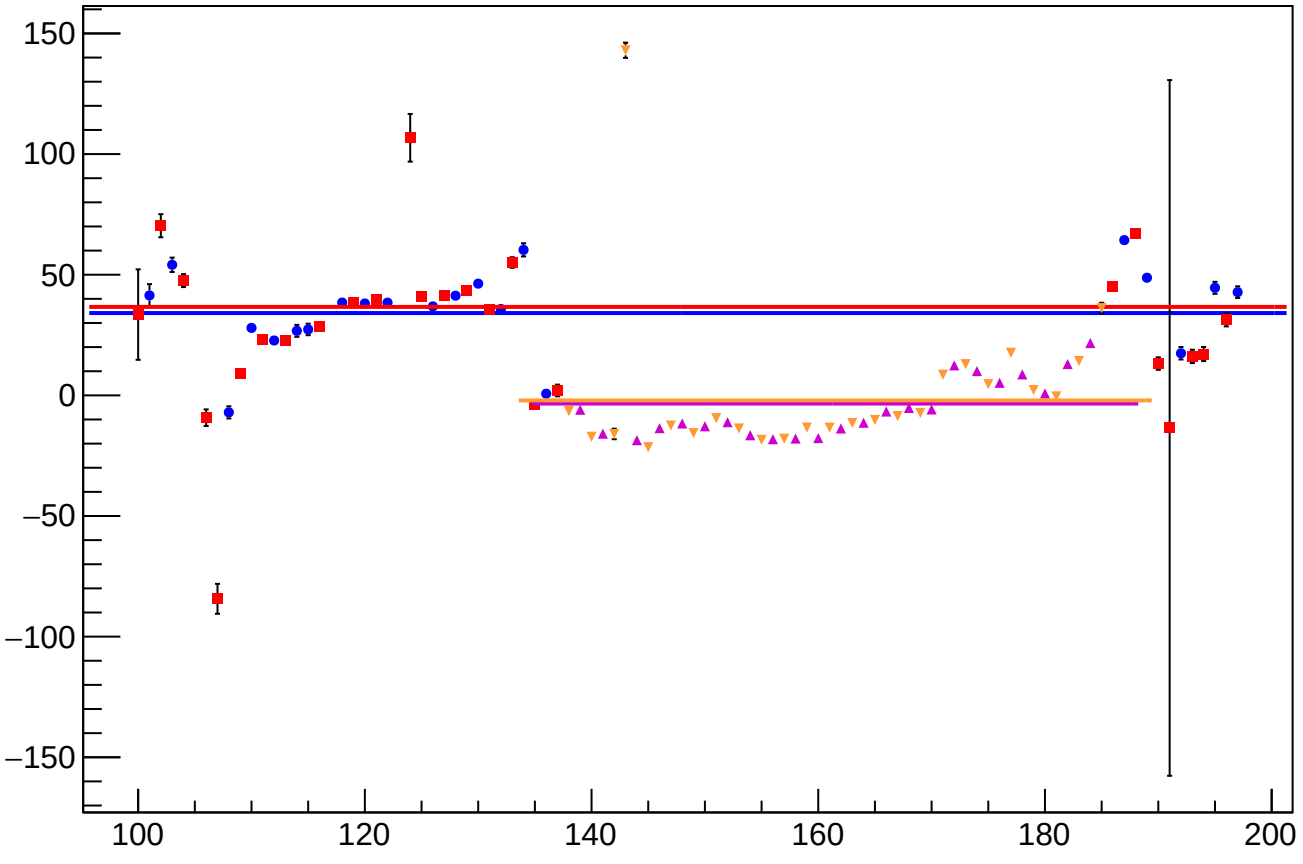
Right Out: 105.238+/-0.061 χ^2/NDF: 193051.6/25

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 117.158+/-0.032 χ^2/NDF: 300539.3/45

All: 117.113+/-0.022 χ^2/NDF: 573630.6/94

\- sign 117.067+/-0.032 χ^2/NDF: 273087.2/48



Right In: 34.109+/-0.373 χ^2/NDF: 2223.8/20

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

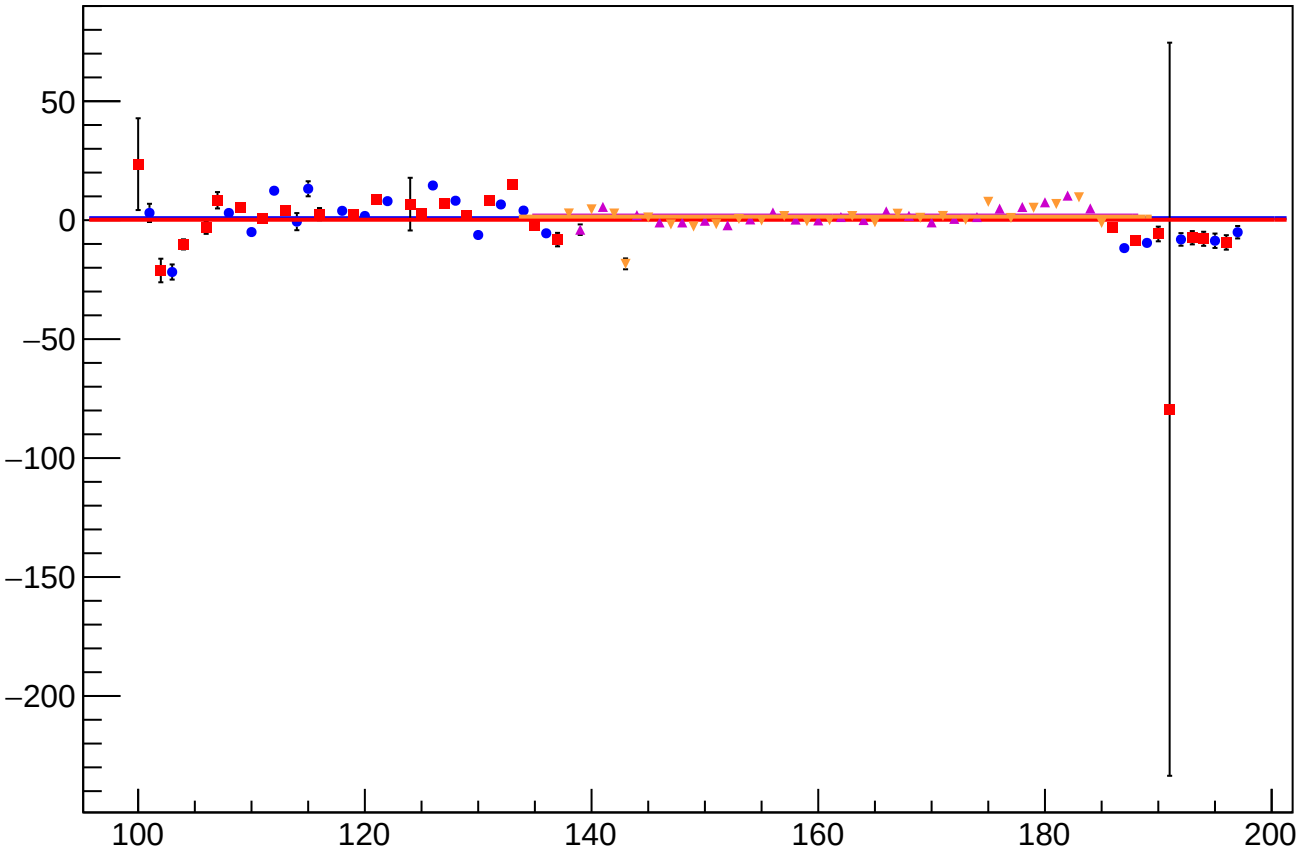
Right Out: 36.658+/-0.322 χ^2/NDF: 4488.3/25

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 10.166+/-0.217 χ^2/NDF: 12660.0/45

All: 11.777+/-0.150 χ^2/NDF: 28061.8/94

- sign 13.250+/-0.207 χ^2/NDF: 15296.2/48



Right In: 0.839+/-0.403 χ^2/NDF: 381.7/20

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.178+/-0.372 χ^2/NDF: 344.8/25

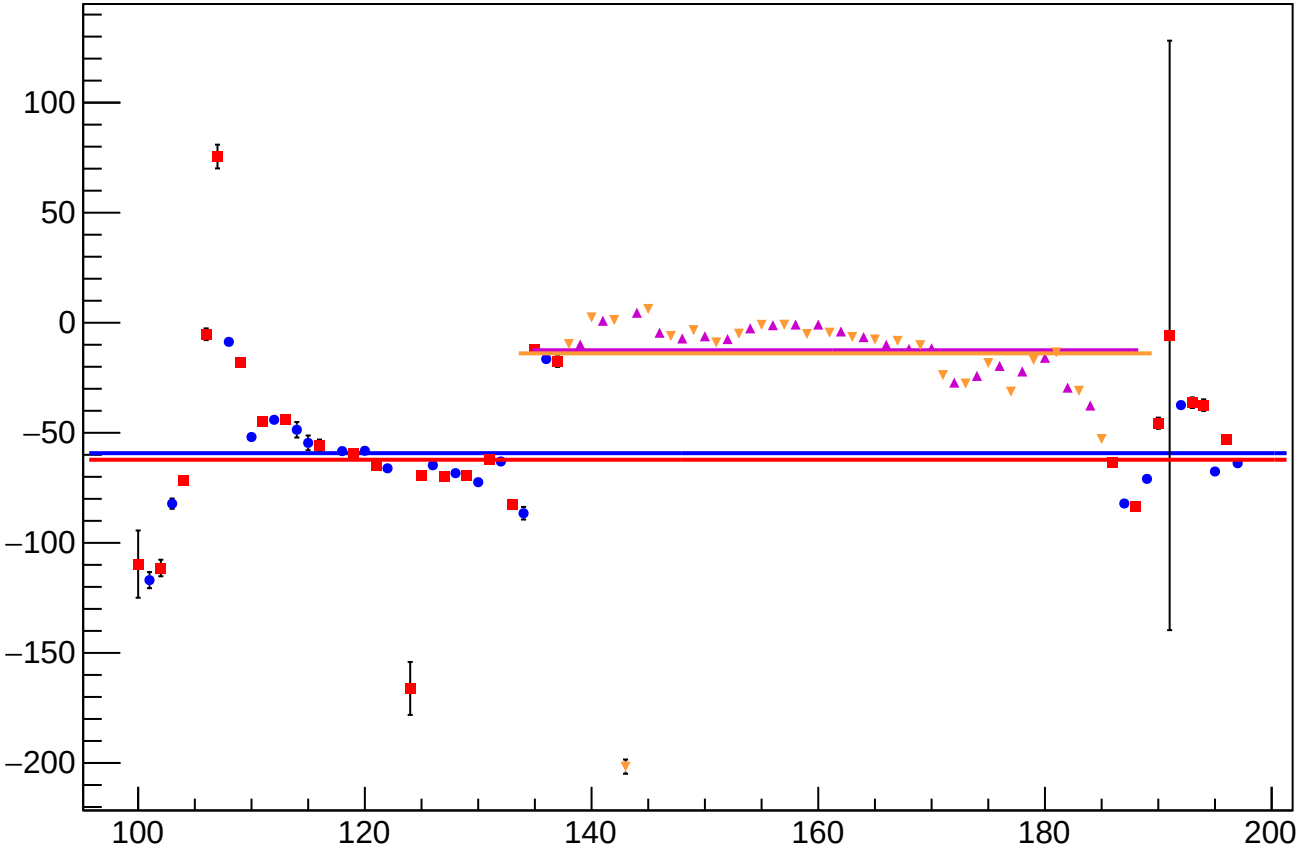
Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.355+/-0.183 χ^2/NDF: 712.4/45

All: 1.431+/-0.129 χ^2/NDF: 1315.1/94

\- sign 1.507+/-0.183 χ^2/NDF: 602.4/48

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -59.252+/-0.390 χ^2/NDF: 3220.2/20

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

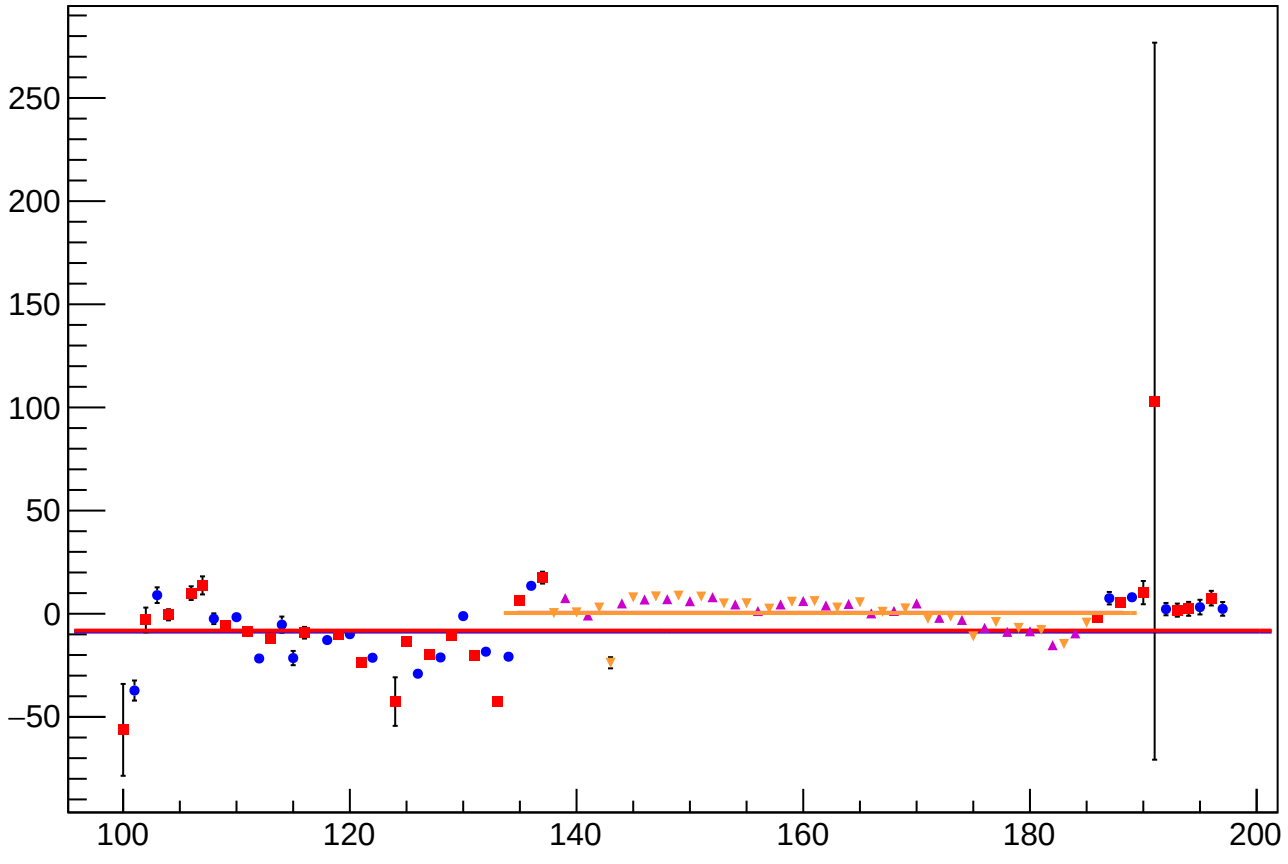
Right Out: -62.233+/-0.318 χ^2/NDF: 5204.2/25

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -28.210+/-0.219 χ^2/NDF: 17604.0/45

All: -30.869+/-0.150 χ^2/NDF: 38783.1/94

- sign -33.205+/-0.205 χ^2/NDF: 20902.3/48



Right In: -8.629+/-0.472 χ^2/NDF: 798.0/20

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

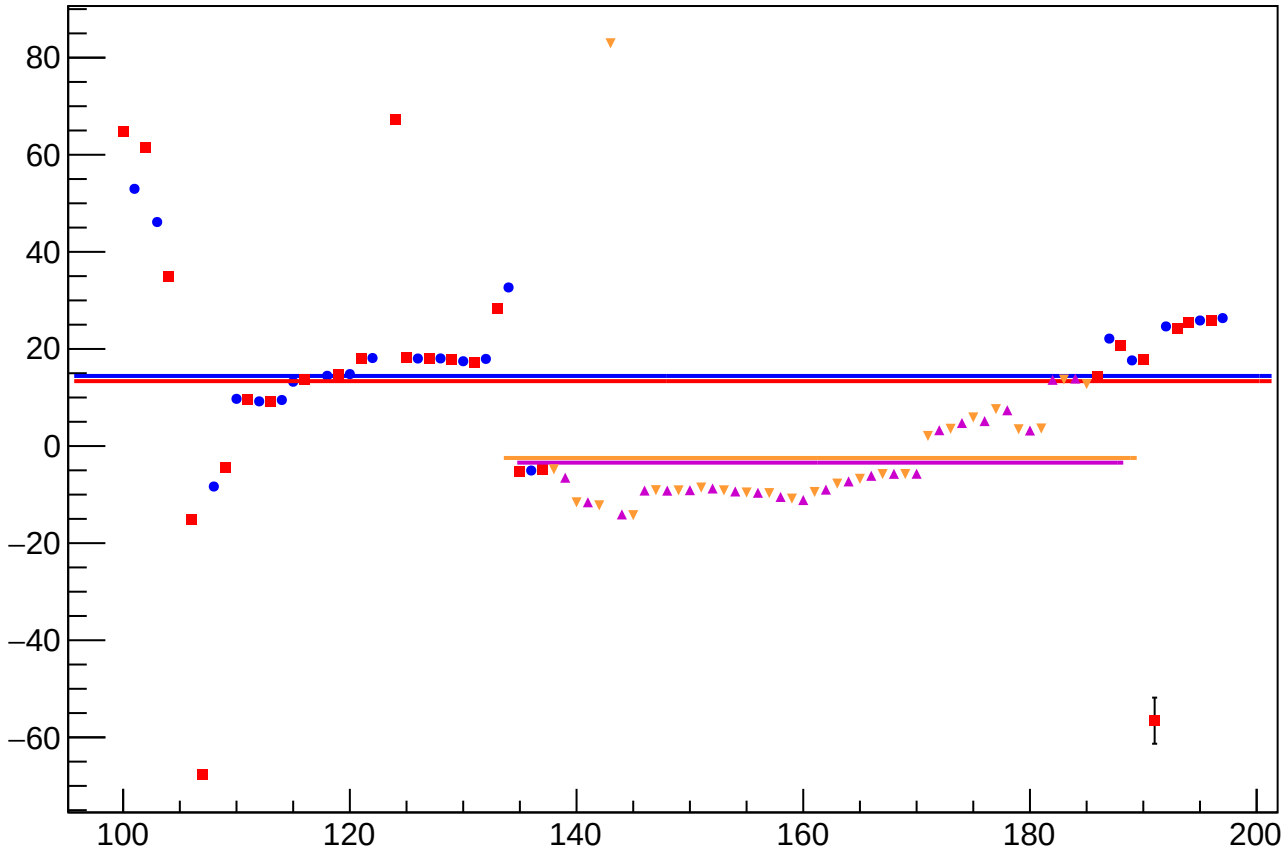
Right Out: -8.176+/-0.451 χ^2/NDF: 852.4/25

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.394+/-0.208 χ^2/NDF: 2011.5/45

All: -1.411+/-0.148 χ^2/NDF: 3932.1/94

- sign -1.428+/-0.210 χ^2/NDF: 1920.5/48



Right In: 14.440+/-0.026 χ^2/NDF: 396615.2/20

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

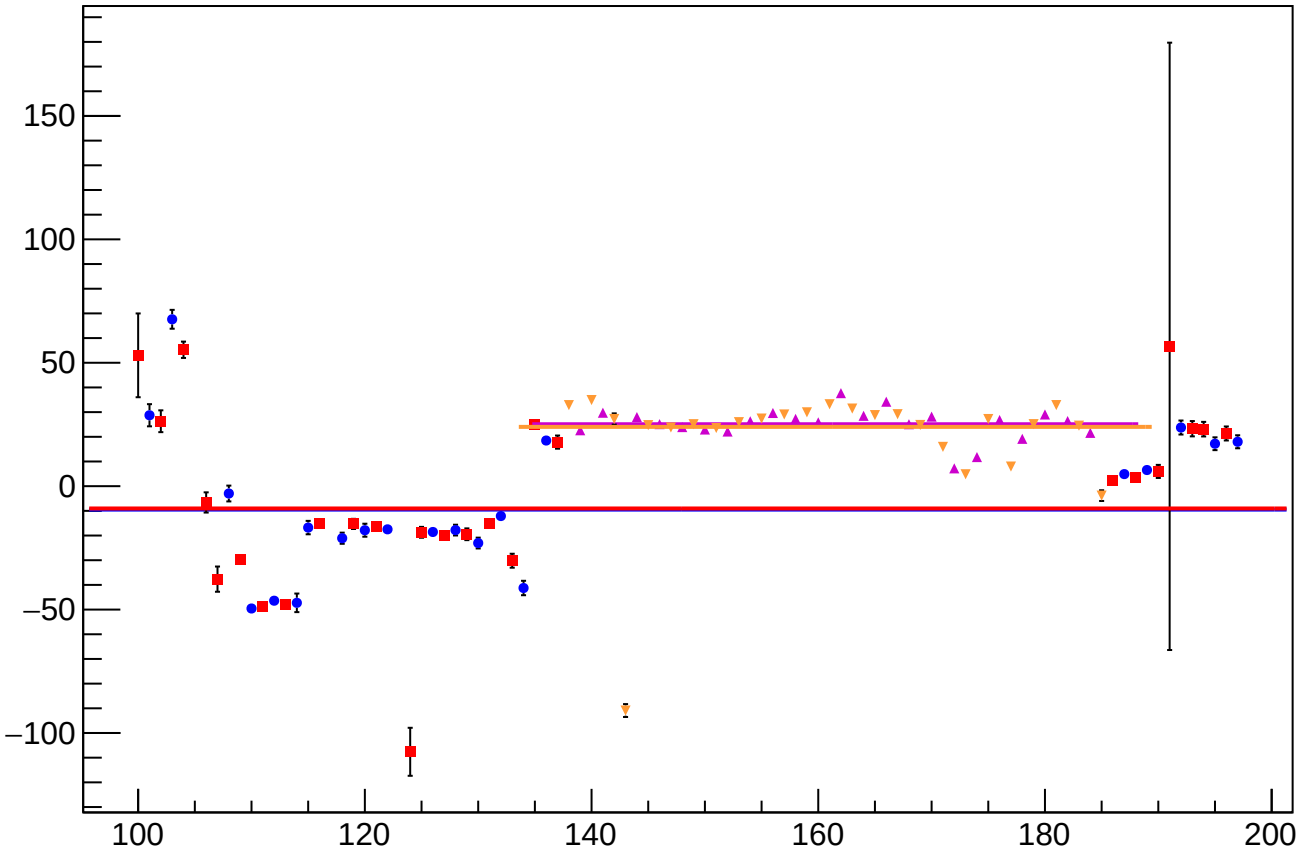
Right Out: 13.371+/-0.025 χ^2/NDF: 507236.9/25

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.100+/-0.010 χ^2/NDF: 1729147.7/45

All: -0.529+/-0.007 χ^2/NDF: 3165463.6/94

- sign -0.962+/-0.010 χ^2/NDF: 1432303.5/48



Right In: -9.487+/-0.476 χ^2/NDF: 2726.0/20

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -9.038+/-0.423 χ^2/NDF: 2999.5/25

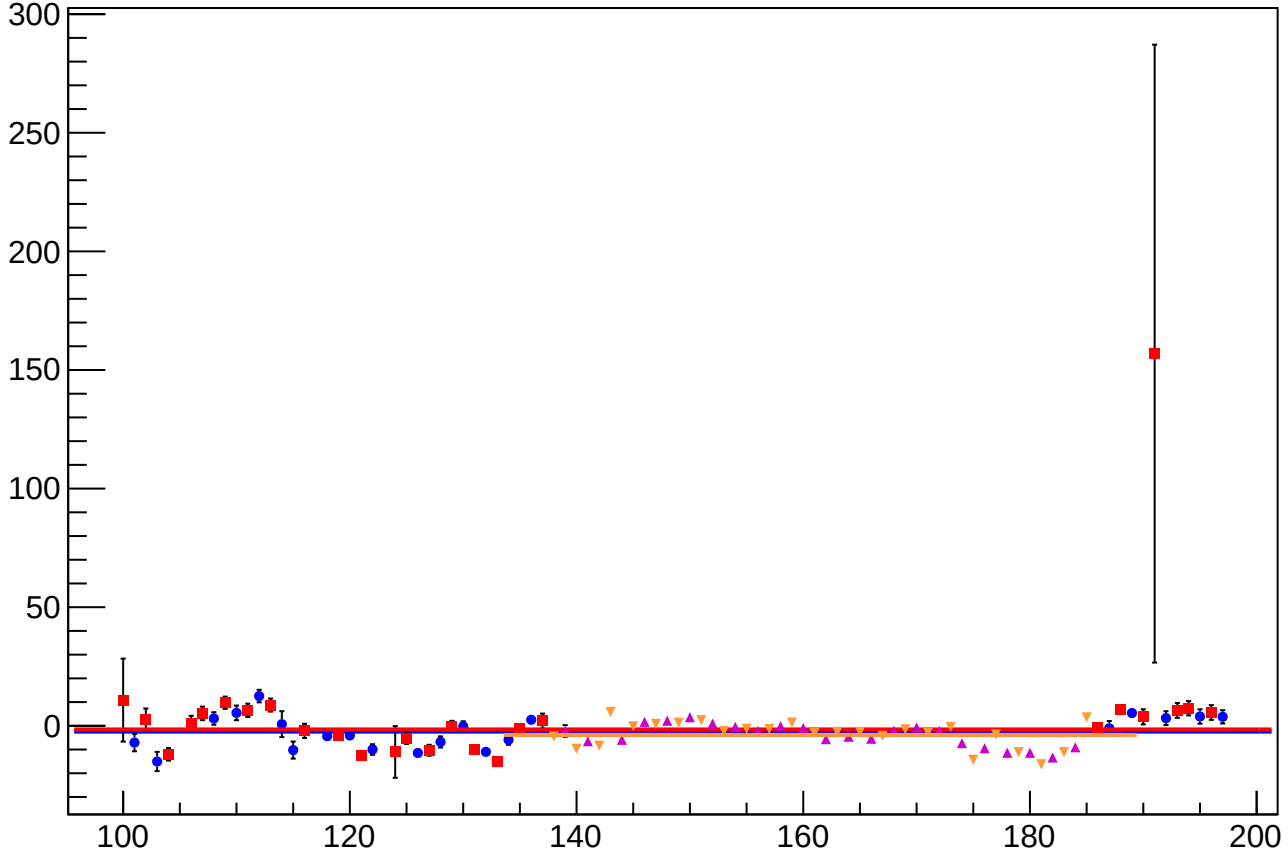
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.317+/-0.243 χ^2/NDF: 9197.3/45

All: 14.816+/-0.170 χ^2/NDF: 17149.9/94

- sign 14.334+/-0.238 χ^2/NDF: 7944.2/48

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.448+/-0.502 χ^2/NDF: 155.9/20

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

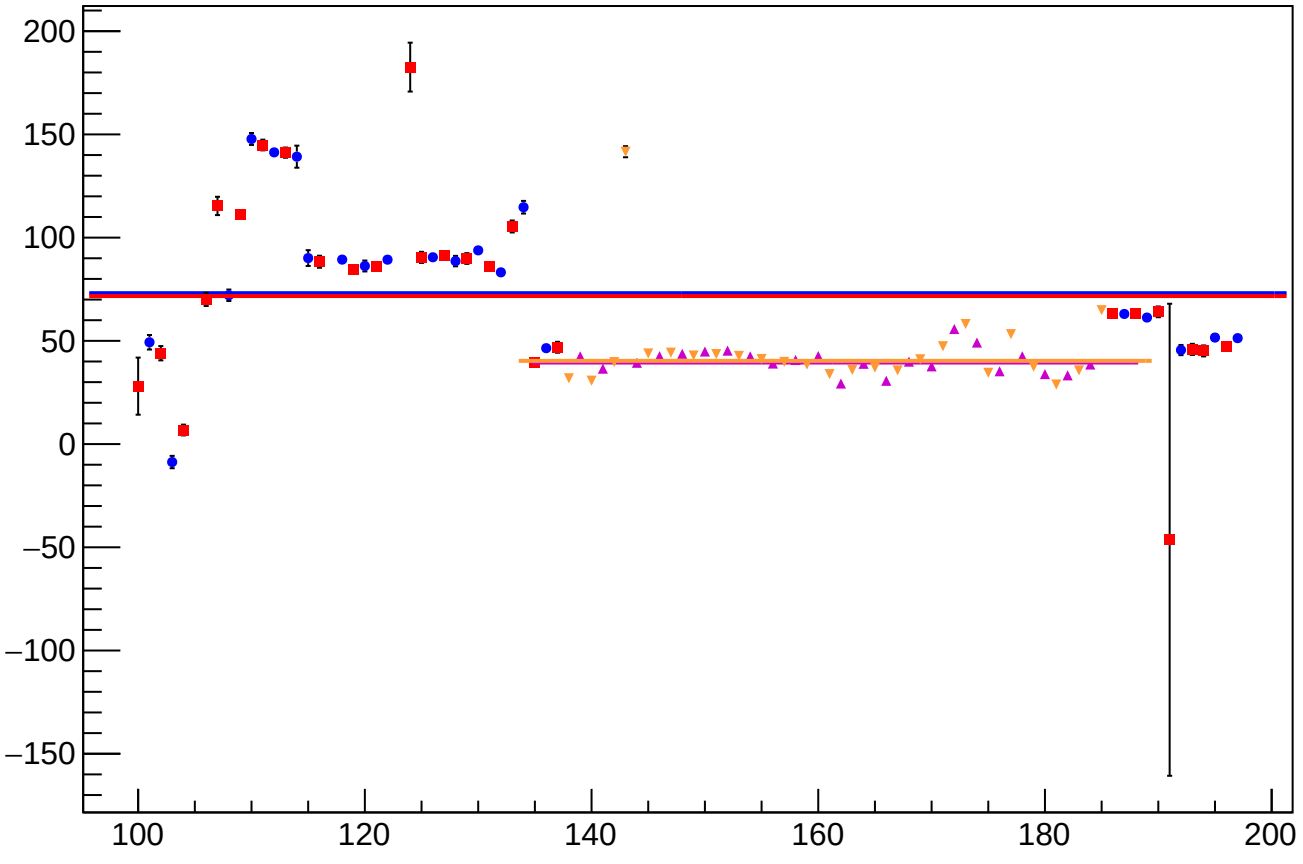
Right Out: -1.526+/-0.475 χ^2/NDF: 234.6/25

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.624+/-0.200 χ^2/NDF: 811.8/45

All: -3.499+/-0.142 χ^2/NDF: 1575.4/94

- sign -3.372+/-0.202 χ^2/NDF: 762.8/48



Right In: 73.080+/-0.495 χ^2/NDF: 3821.4/20

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

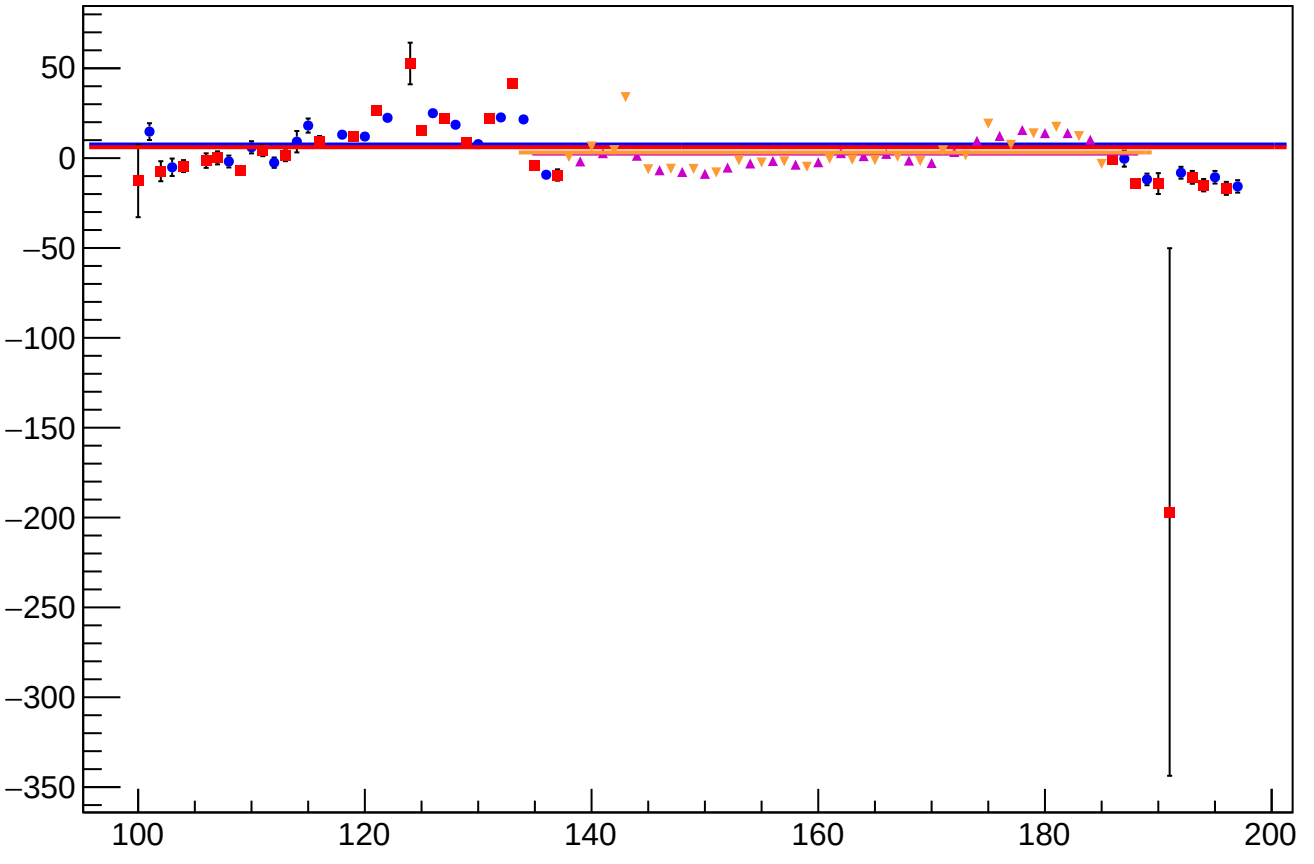
Right Out: 71.694+/-0.423 χ^2/NDF: 4080.5/25

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.263+/-0.244 χ^2/NDF: 9322.3/45

All: 48.924+/-0.170 χ^2/NDF: 17835.7/94

- sign 49.544+/-0.236 χ^2/NDF: 8499.2/48



Right In: 7.572+/-0.582 χ^2/NDF: 513.8/20

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

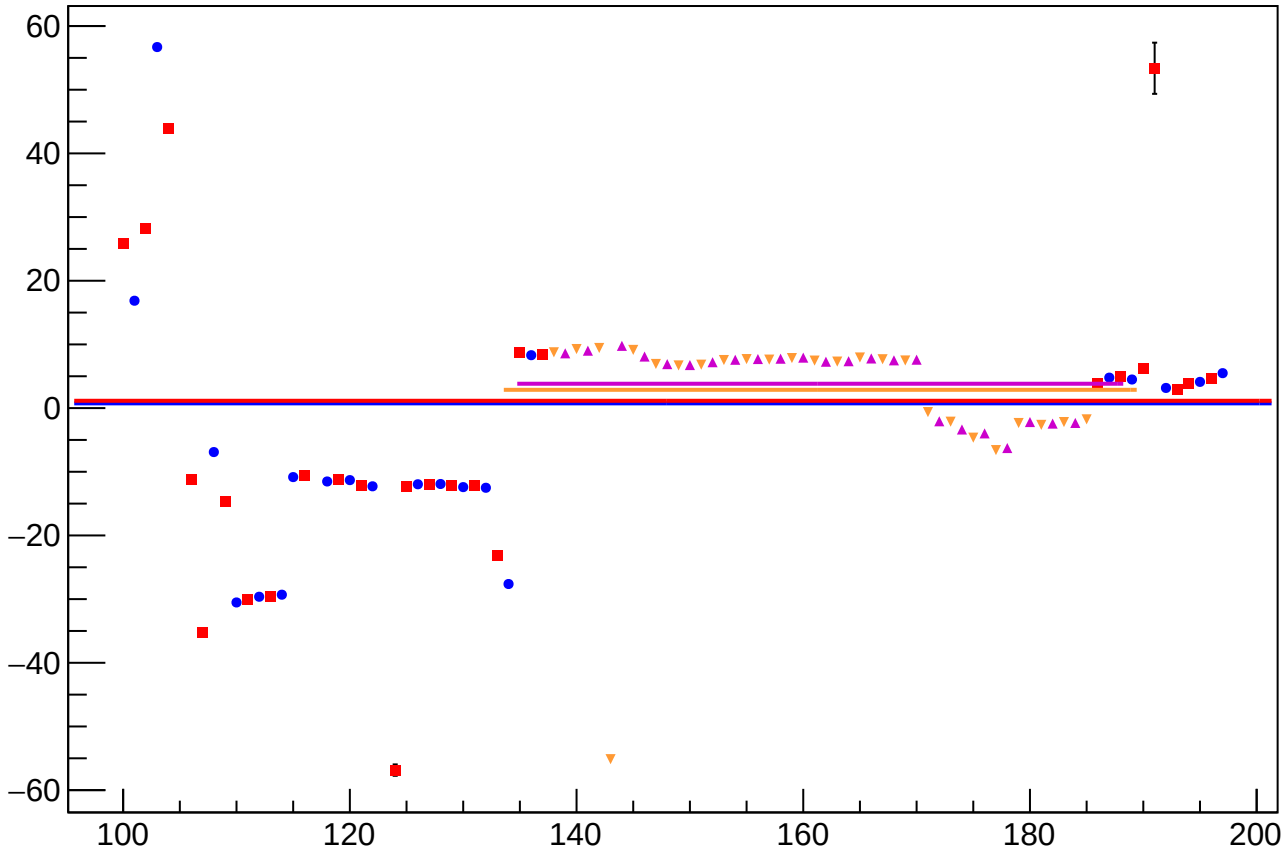
Right Out: 6.069+/-0.567 χ^2/NDF: 724.4/25

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

\+ sign 3.810+/-0.226 χ^2/NDF: 1830.0/45

All: 3.461+/-0.161 χ^2/NDF: 3560.1/94

\- sign 3.100+/-0.230 χ^2/NDF: 1725.3/48



Right In: 0.744+/-0.030 χ^2/NDF: 374011.5/20

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.150+/-0.030 χ^2/NDF: 323083.8/25

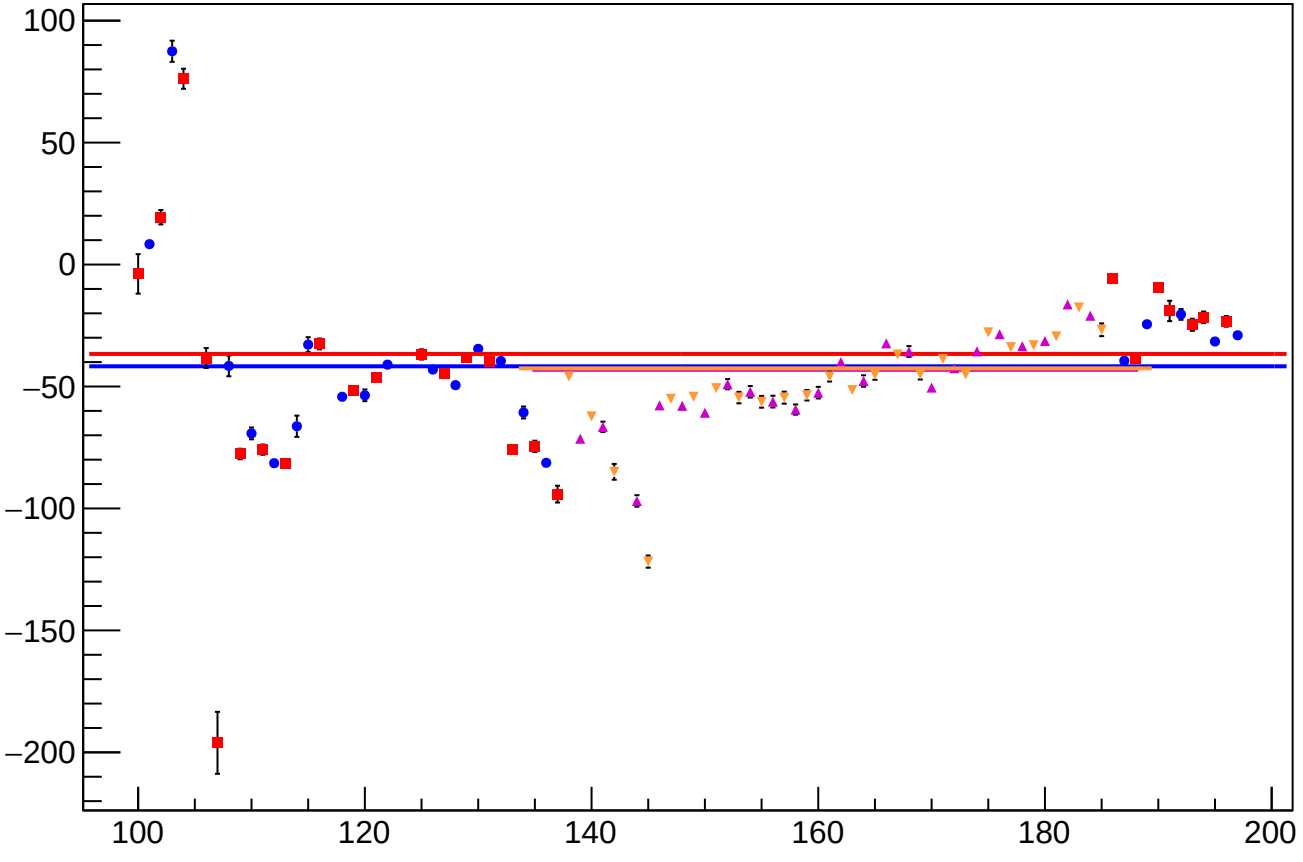
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.620+/-0.010 χ^2/NDF: 890753.2/45

All: 3.055+/-0.007 χ^2/NDF: 1457757.0/94

- sign 3.498+/-0.010 χ^2/NDF: 563409.9/48

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -41.721+/-0.437 χ^2/NDF: 3191.6/20

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -36.640+/-0.376 χ^2/NDF: 5085.3/24

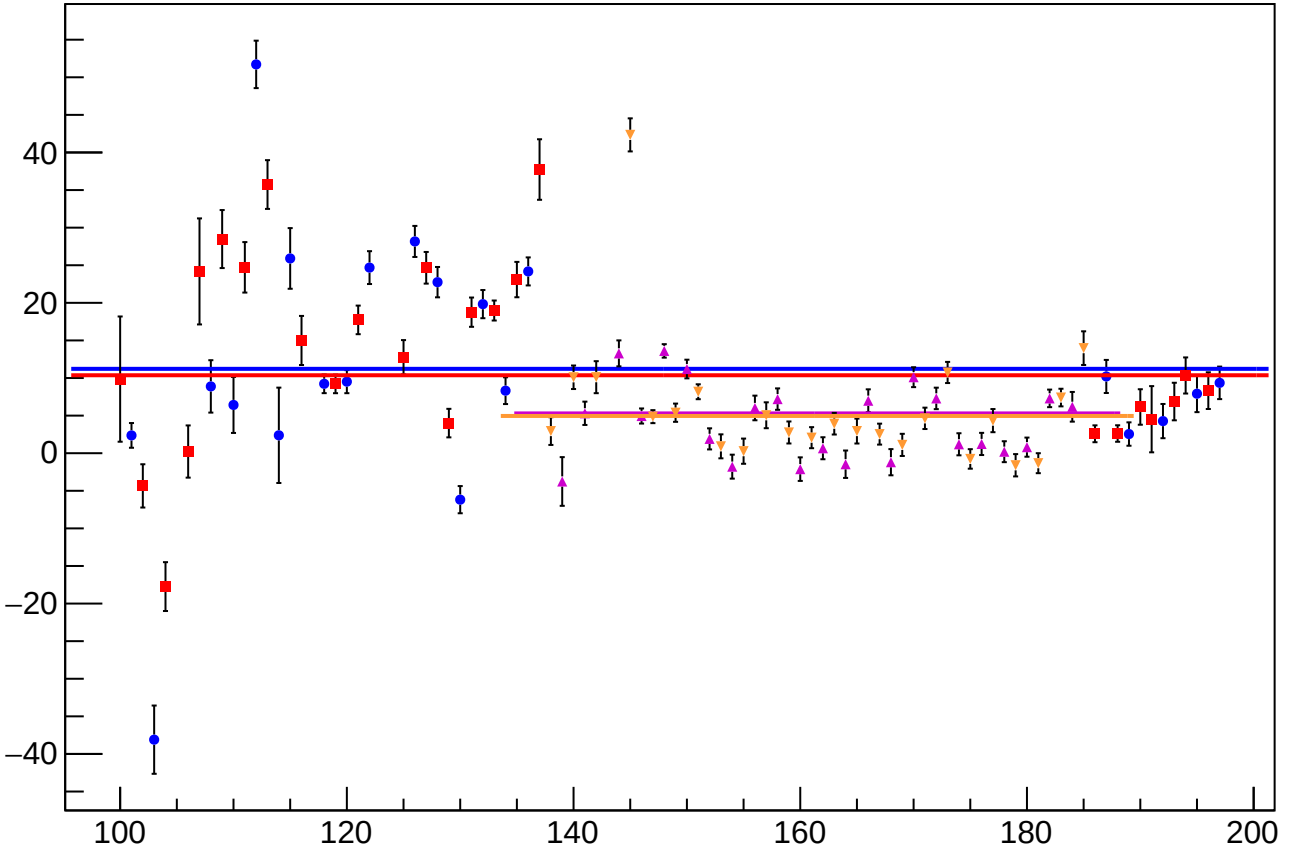
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -42.201+/-0.286 χ^2/NDF: 5520.2/44

All: -40.950+/-0.196 χ^2/NDF: 12995.7/92

\- sign -39.852+/-0.268 χ^2/NDF: 7439.6/47

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 11.222+/-0.451 χ^2/NDF: 678.7/20

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.368+/-0.418 χ^2/NDF: 532.9/24

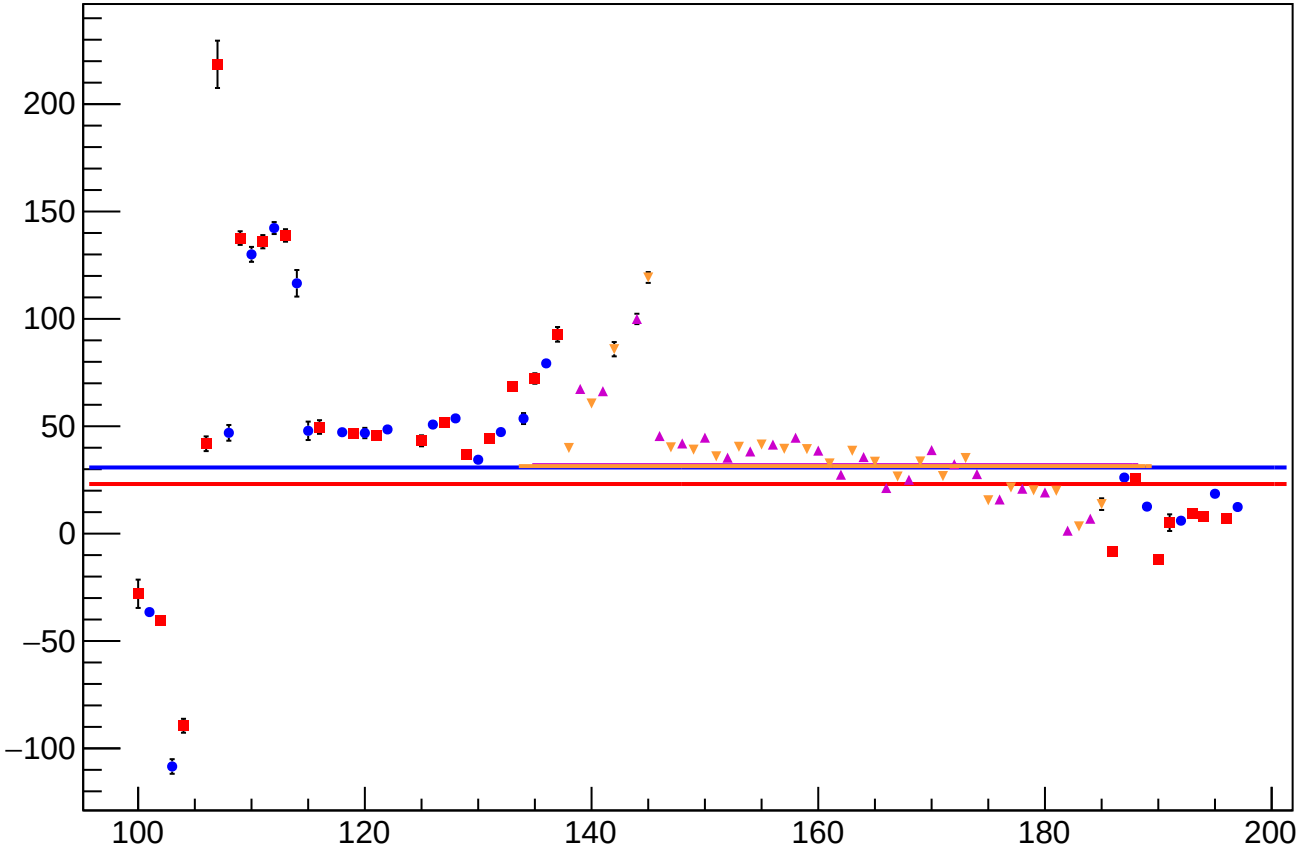
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.773+/-0.243 χ^2/NDF: 1264.7/44

All: 6.875+/-0.171 χ^2/NDF: 2183.0/92

- sign 6.976+/-0.241 χ^2/NDF: 918.0/47

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 30.809+/-0.430 χ^2/NDF: 8156.5/20

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 23.103+/-0.352 χ^2/NDF: 11098.0/24

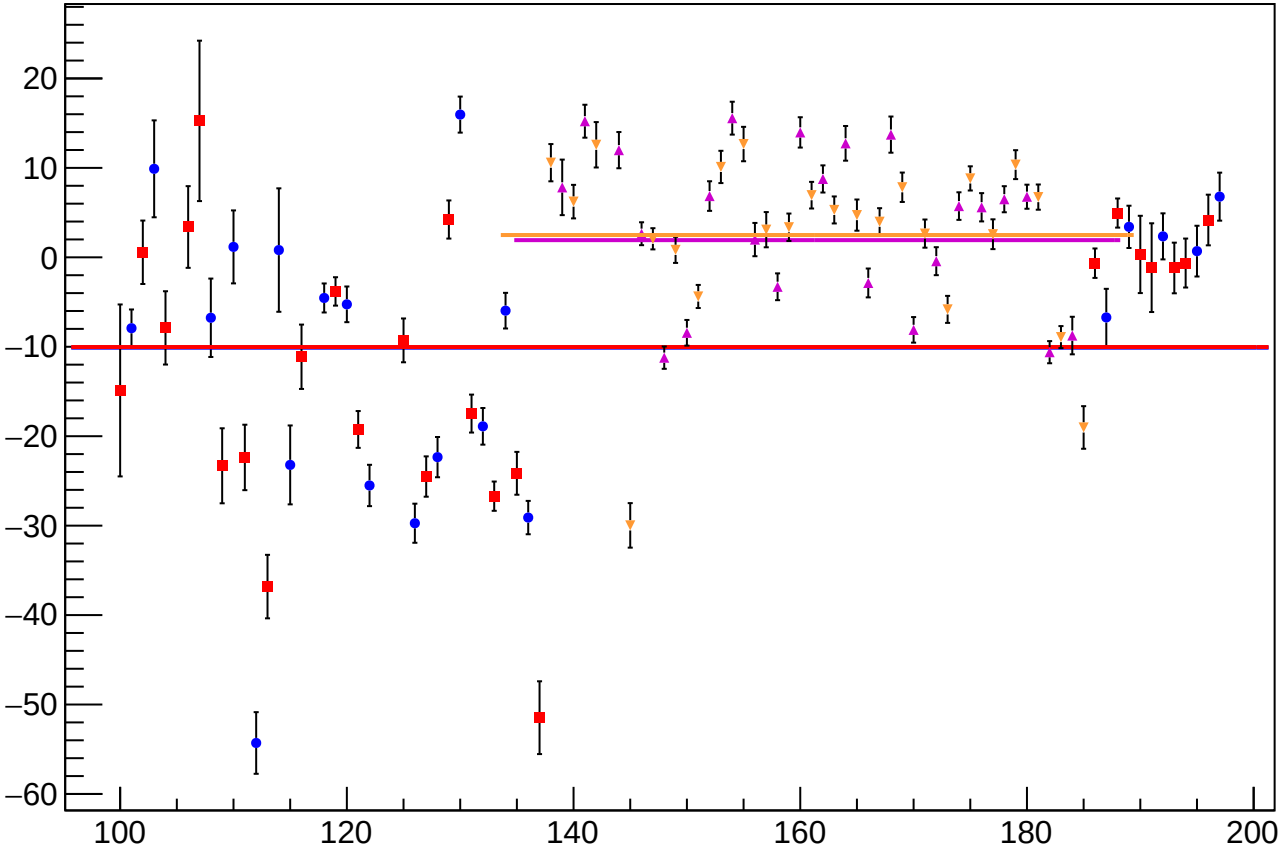
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 31.166+/-0.283 χ^2/NDF: 10919.8/44

All: 28.986+/-0.190 χ^2/NDF: 25183.6/92

\- sign 27.180+/-0.257 χ^2/NDF: 14155.2/47

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -10.101+/-0.537 χ^2/NDF: 775.9/20

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -10.030+/-0.515 χ^2/NDF: 653.1/24

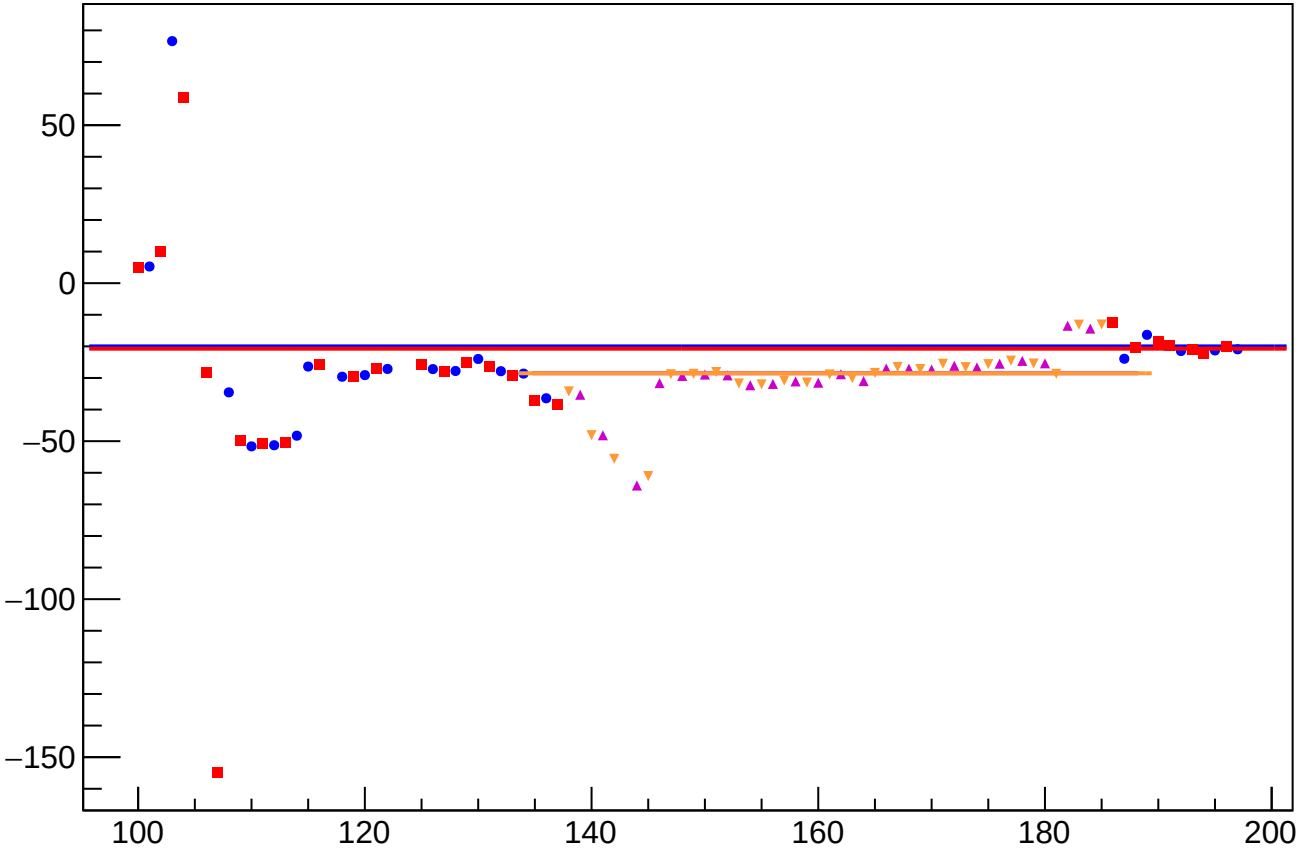
Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

\+ sign -0.911+/-0.279 χ^2/NDF: 1736.4/44

All: -1.249+/-0.197 χ^2/NDF: 3451.5/92

\- sign -1.586+/-0.279 χ^2/NDF: 1712.2/47

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -20.013+/-0.028 χ^2/NDF: 649444.4/20

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.728+/-0.027 χ^2/NDF: 553166.5/24

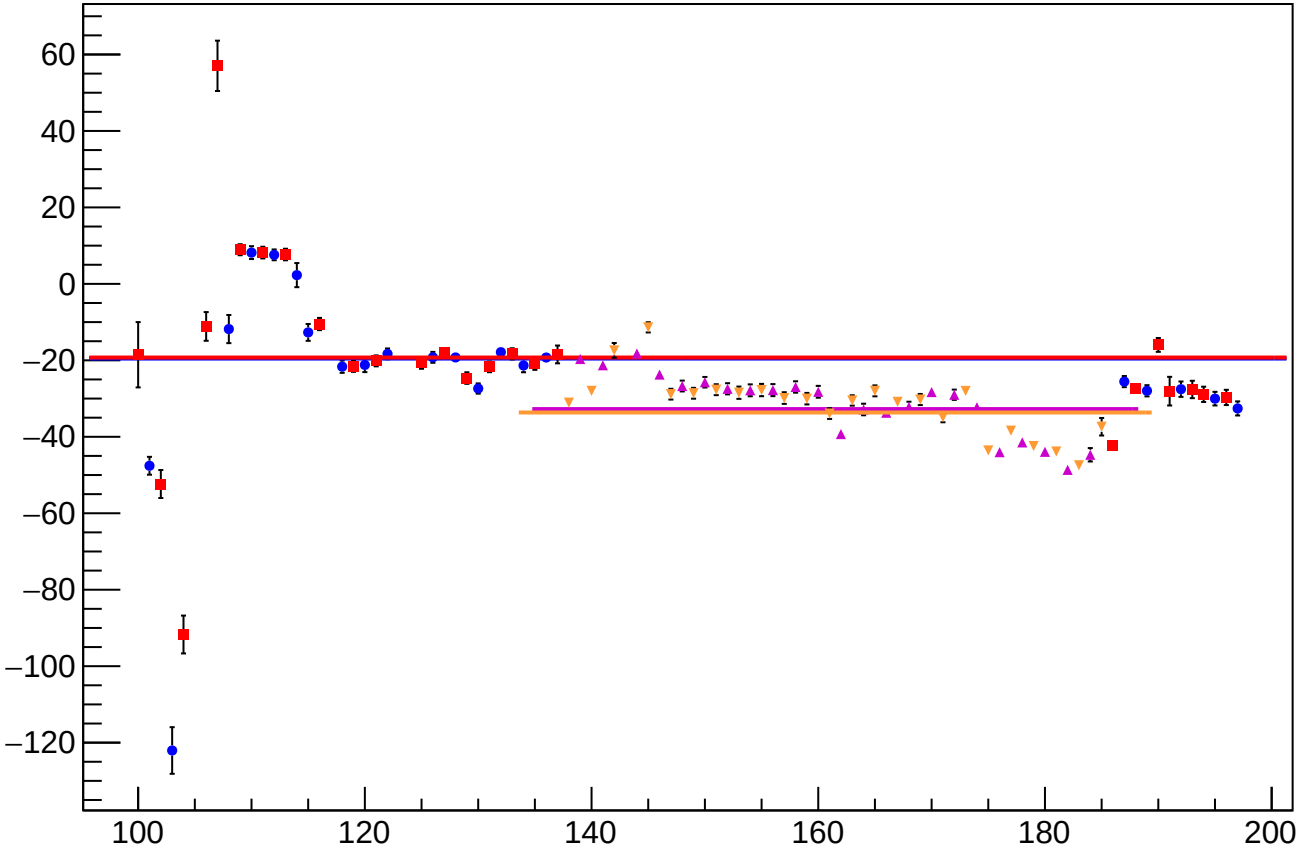
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -26.631+/-0.013 χ^2/NDF: 1056602.5/44

All: -26.649+/-0.009 χ^2/NDF: 1962323.3/92

- sign -26.666+/-0.013 χ^2/NDF: 905717.2/47

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -19.532+/-0.355 χ^2/NDF: 1319.5/20

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -19.268+/-0.331 χ^2/NDF: 2008.5/24

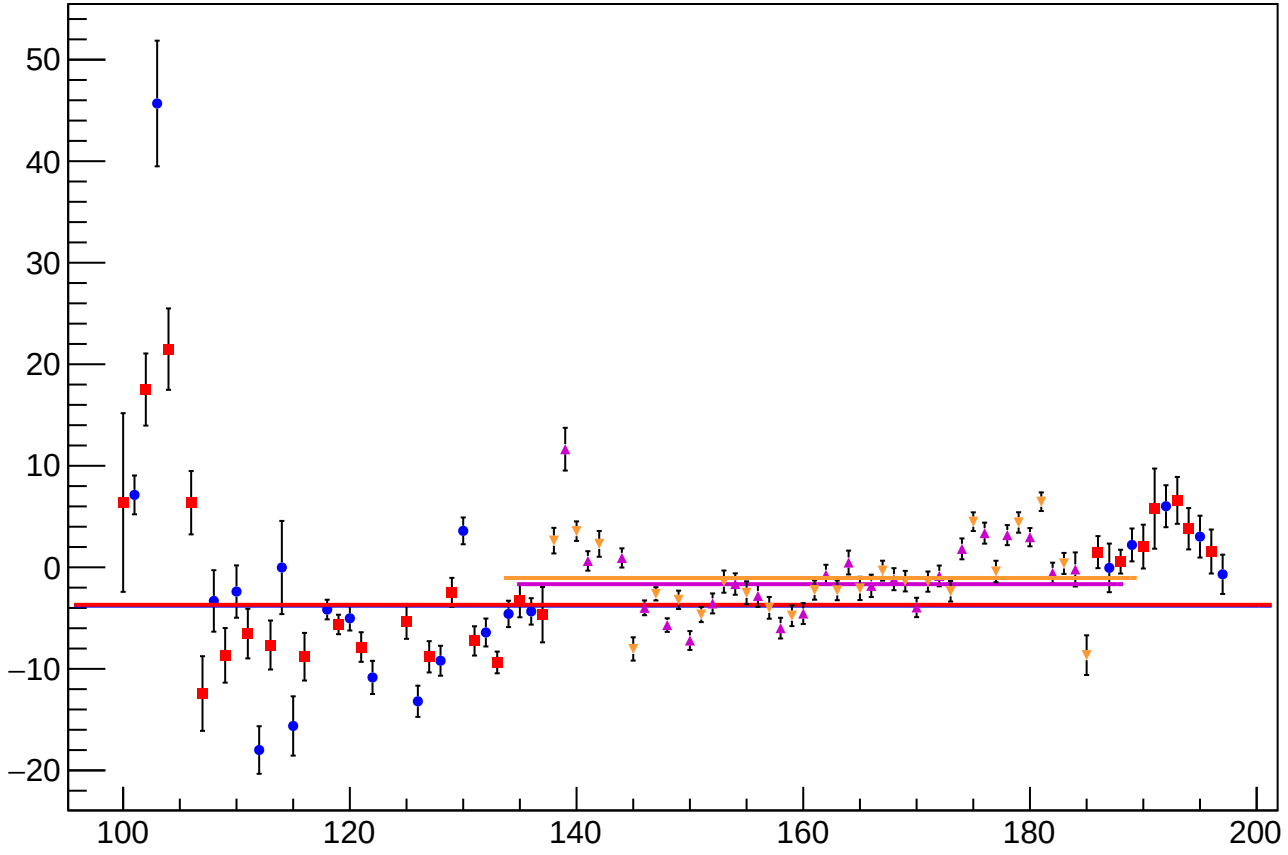
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

\+ sign -28.597+/-0.213 χ^2/NDF: 3348.2/44

All: -27.988+/-0.149 χ^2/NDF: 7516.2/92

\- sign -27.402+/-0.209 χ^2/NDF: 4151.9/47

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -3.774+/-0.365 χ^2/NDF: 309.1/20

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.692+/-0.360 χ^2/NDF: 240.1/24

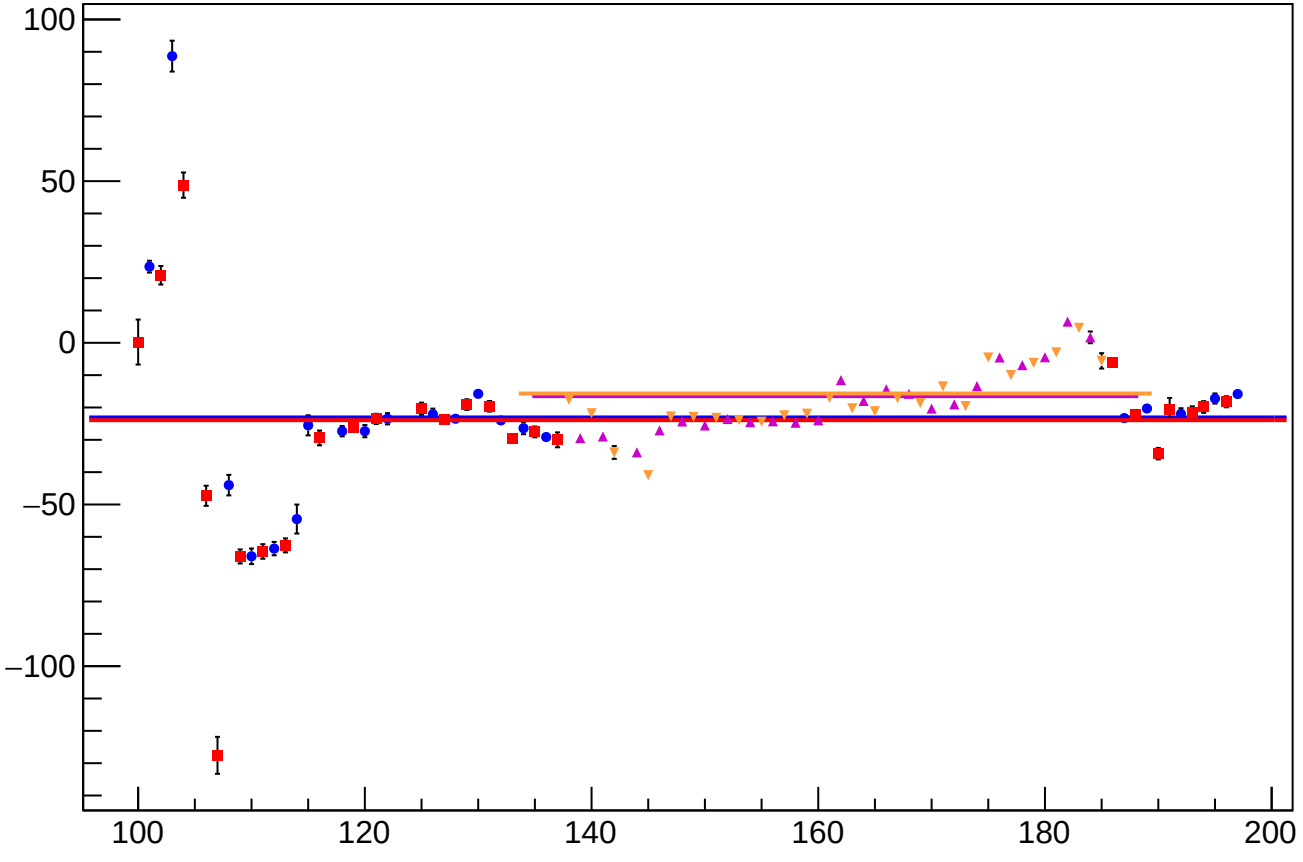
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.693+/-0.177 χ^2/NDF: 641.0/44

All: -1.926+/-0.126 χ^2/NDF: 1173.0/92

- sign -2.164+/-0.179 χ^2/NDF: 528.5/47

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -23.086+/-0.370 χ^2/NDF: 2105.8/20

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -23.922+/-0.335 χ^2/NDF: 2443.6/24

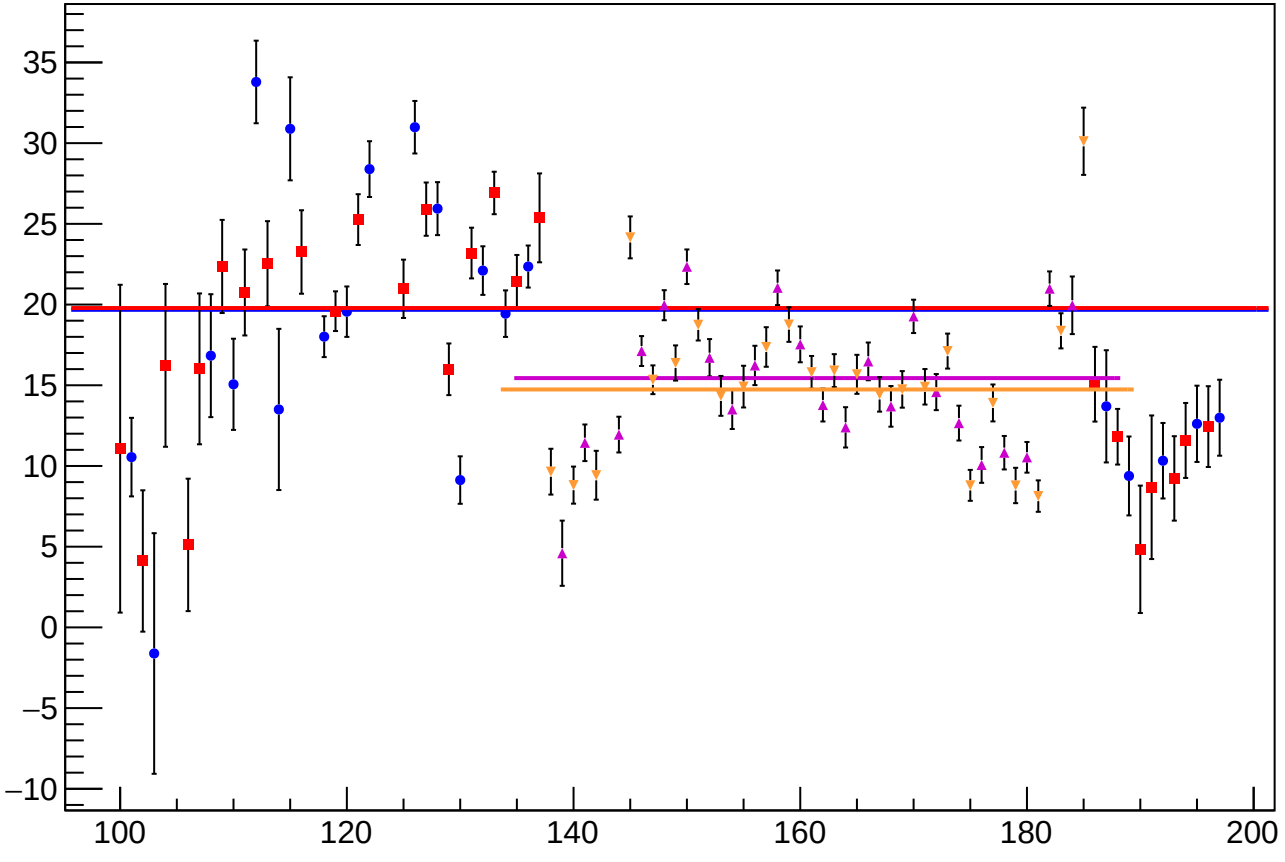
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -18.166+/-0.214 χ^2/NDF: 3893.5/44

All: -18.780+/-0.149 χ^2/NDF: 8353.9/92

- sign -19.360+/-0.208 χ^2/NDF: 4444.5/47

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.676+/-0.424 χ^2/NDF: 271.9/20

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 19.785+/-0.426 χ^2/NDF: 185.9/24

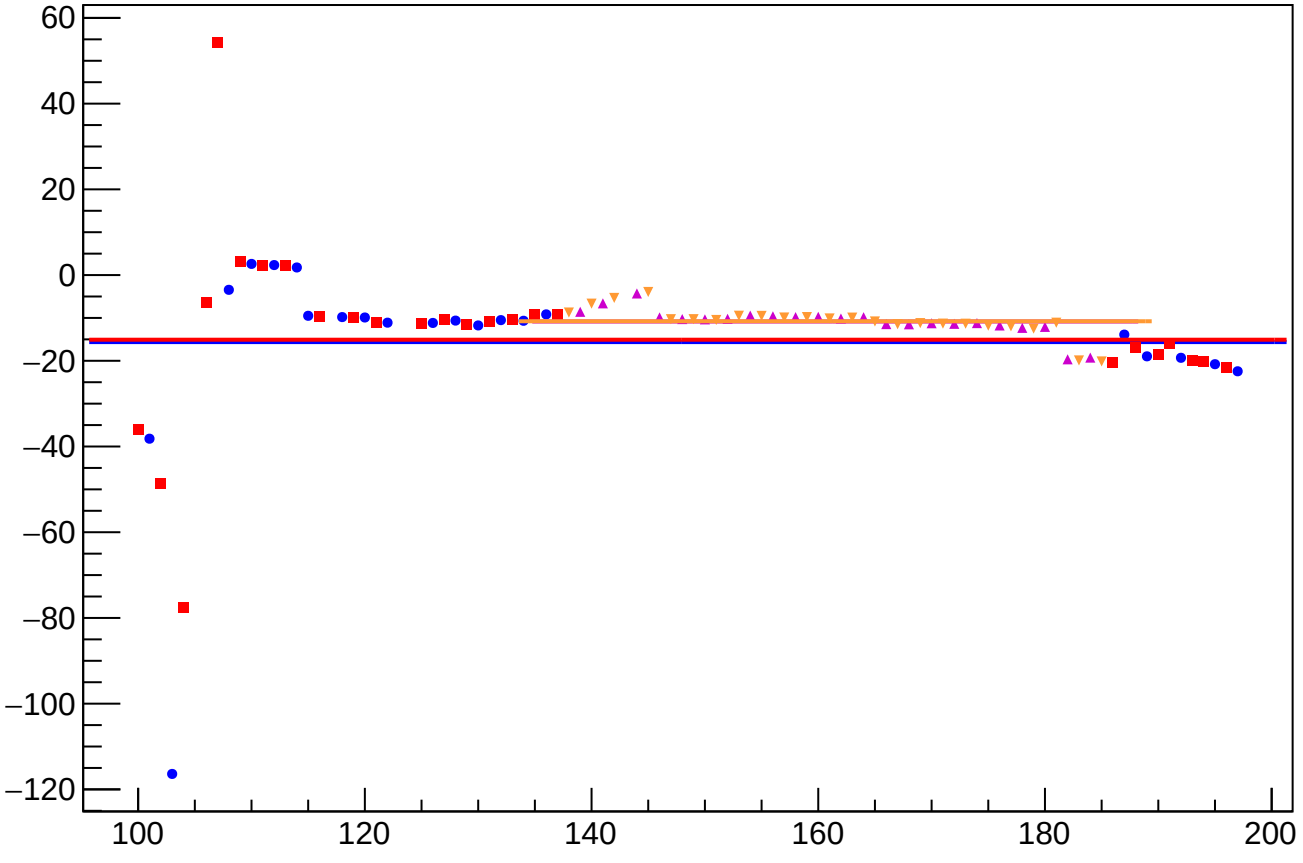
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.857+/-0.202 χ^2/NDF: 707.6/44

All: 16.146+/-0.144 χ^2/NDF: 1267.8/92

- sign 16.442+/-0.204 χ^2/NDF: 556.1/47

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -15.637+/-0.023 χ^2/NDF: 369936.6/20

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -15.082+/-0.023 χ^2/NDF: 345146.9/24

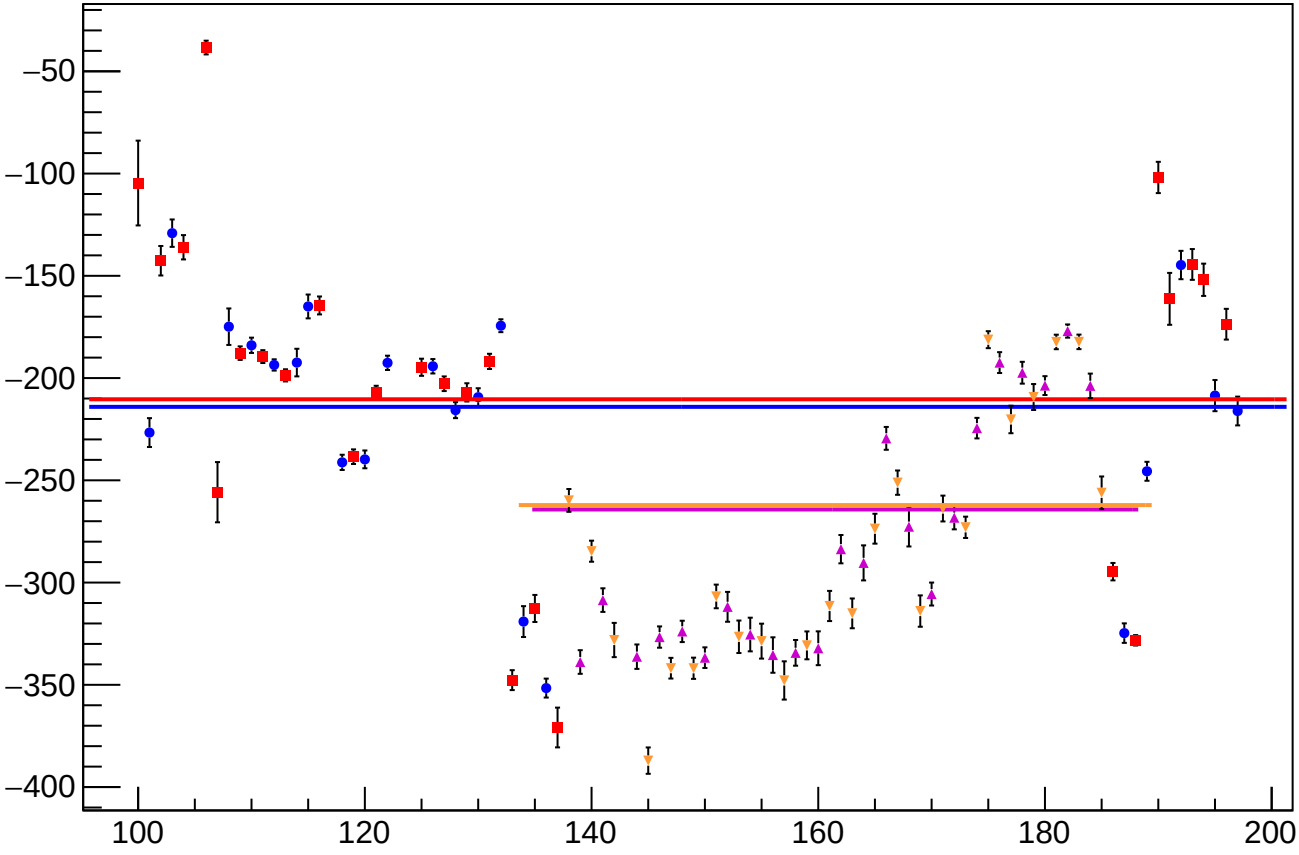
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.600+/-0.009 χ^2/NDF: 492456.1/44

All: -11.574+/-0.007 χ^2/NDF: 940266.9/92

- sign -11.548+/-0.009 χ^2/NDF: 447795.7/47

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -214.073+/-0.986 χ^2/NDF: 2461.7/20

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -210.374+/-0.882 χ^2/NDF: 7415.0/24

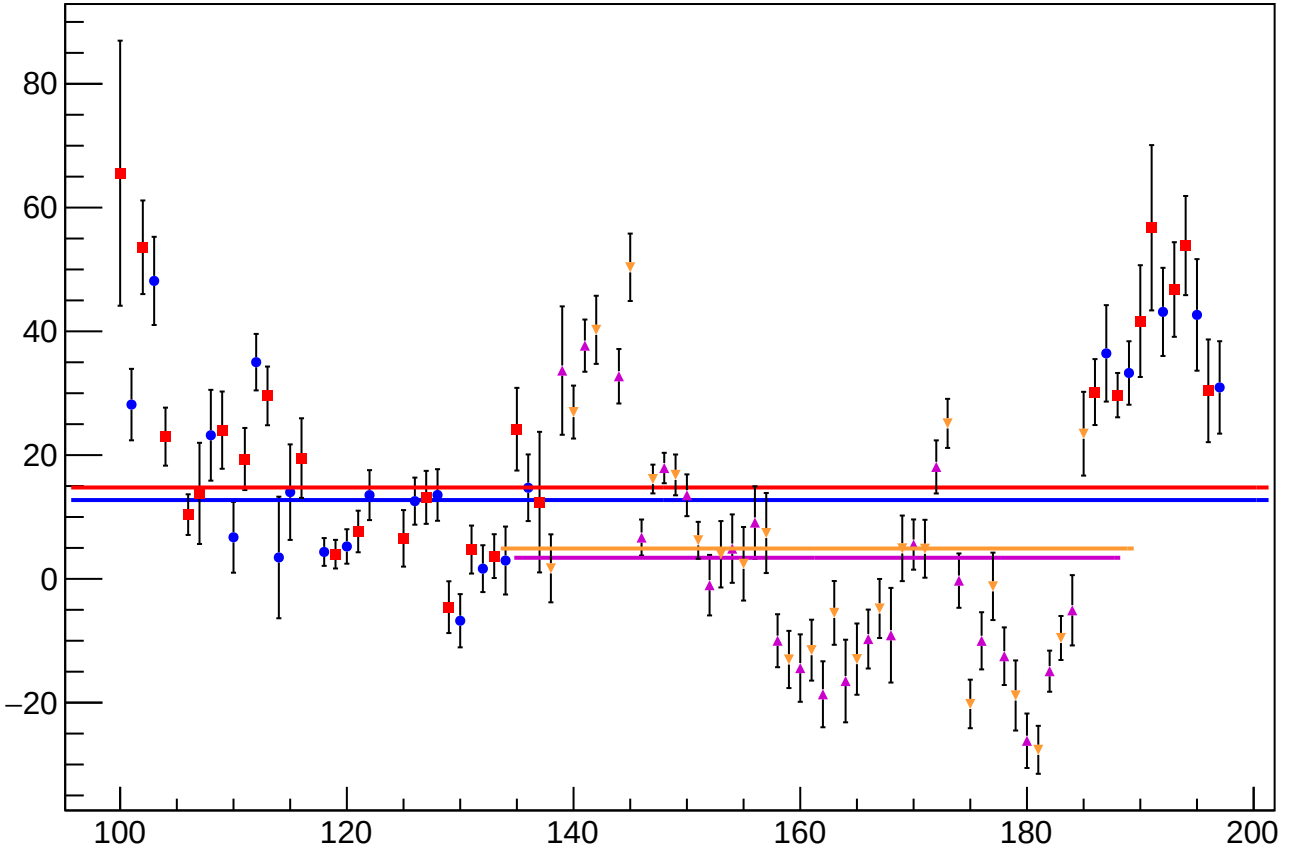
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -233.844+/-0.757 χ^2/NDF: 6402.5/44

All: -231.568+/-0.517 χ^2/NDF: 17906.6/92

- sign -229.577+/-0.708 χ^2/NDF: 11487.2/47

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.736+/-1.007 χ^2/NDF: 173.9/20

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 14.768+/-0.955 χ^2/NDF: 208.9/24

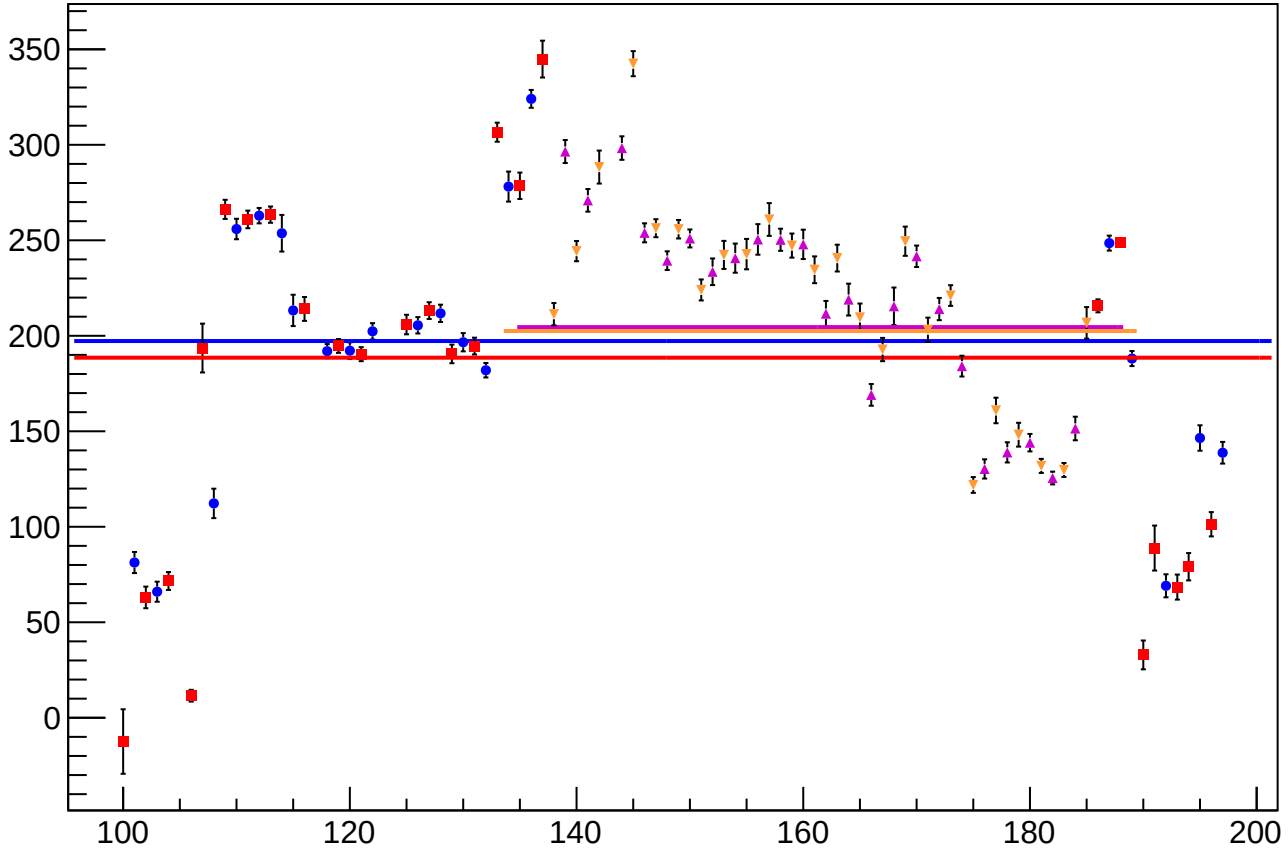
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 8.324+/-0.665 χ^2/NDF: 606.9/44

All: 8.544+/-0.467 χ^2/NDF: 1224.3/92

- sign 8.757+/-0.655 χ^2/NDF: 617.1/47

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 197.250+/-1.069 χ^2/NDF: 3277.9/20

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 188.527+/-0.921 χ^2/NDF: 8564.0/24

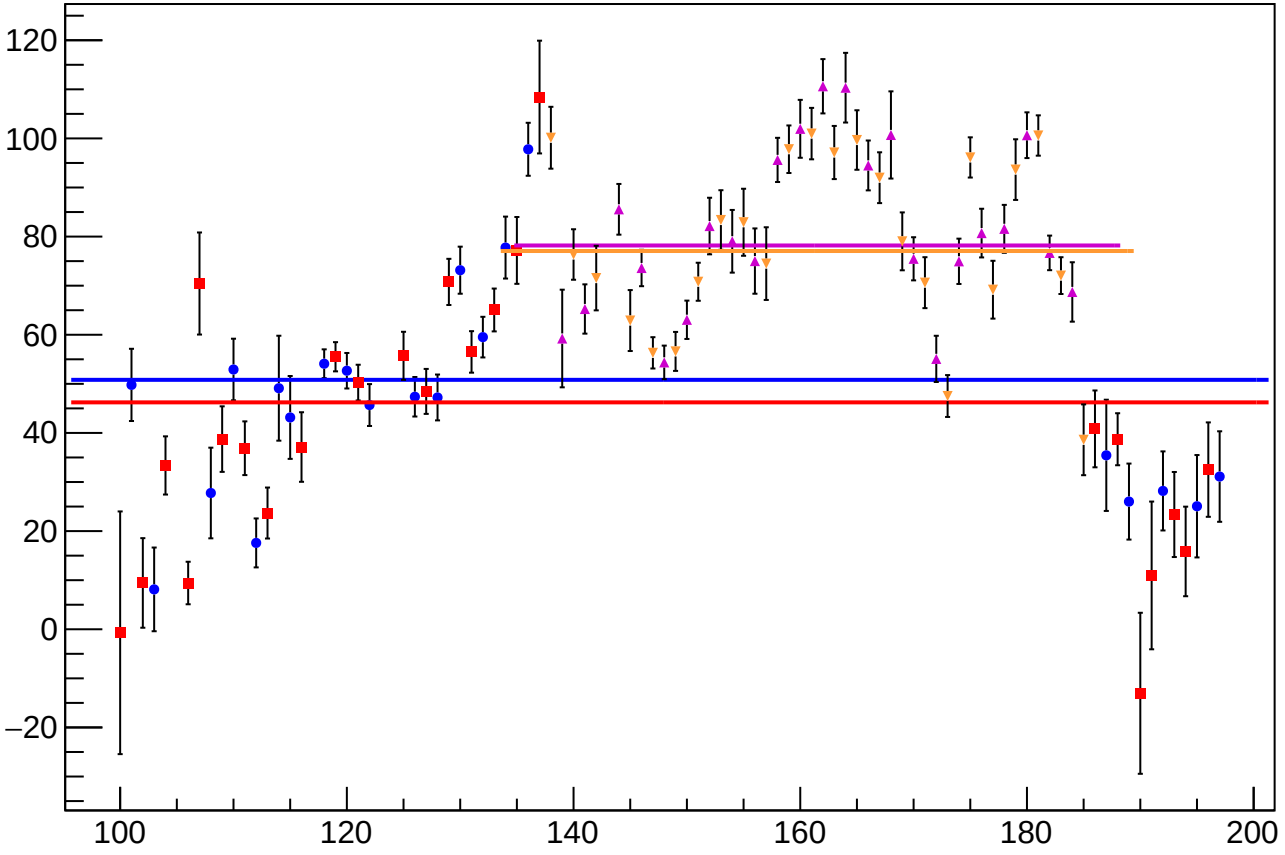
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 199.637+/-0.790 χ^2/NDF: 5682.4/44

All: 196.913+/-0.534 χ^2/NDF: 16669.0/92

- sign 194.616+/-0.725 χ^2/NDF: 10964.7/47

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 50.817+/-1.187 χ^2/NDF: 231.8/20

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 46.226+/-1.136 χ^2/NDF: 284.6/24

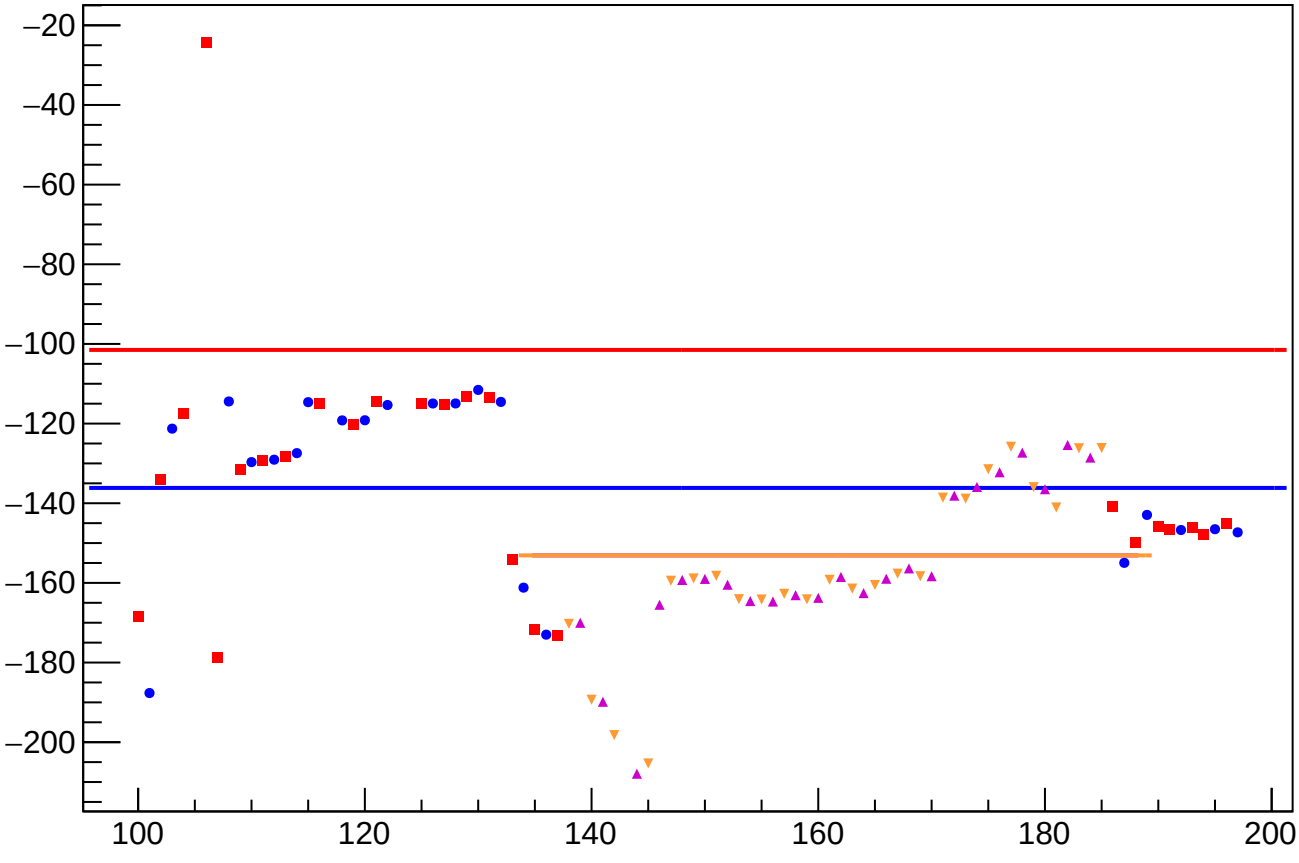
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 65.975+/-0.772 χ^2/NDF: 825.3/44

All: 64.894+/-0.542 χ^2/NDF: 1782.4/92

- sign 63.841+/-0.761 χ^2/NDF: 953.2/47

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -136.153+/-0.071 χ^2/NDF: 100606.4/20

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -101.502+/-0.057 χ^2/NDF: 904005.5/24

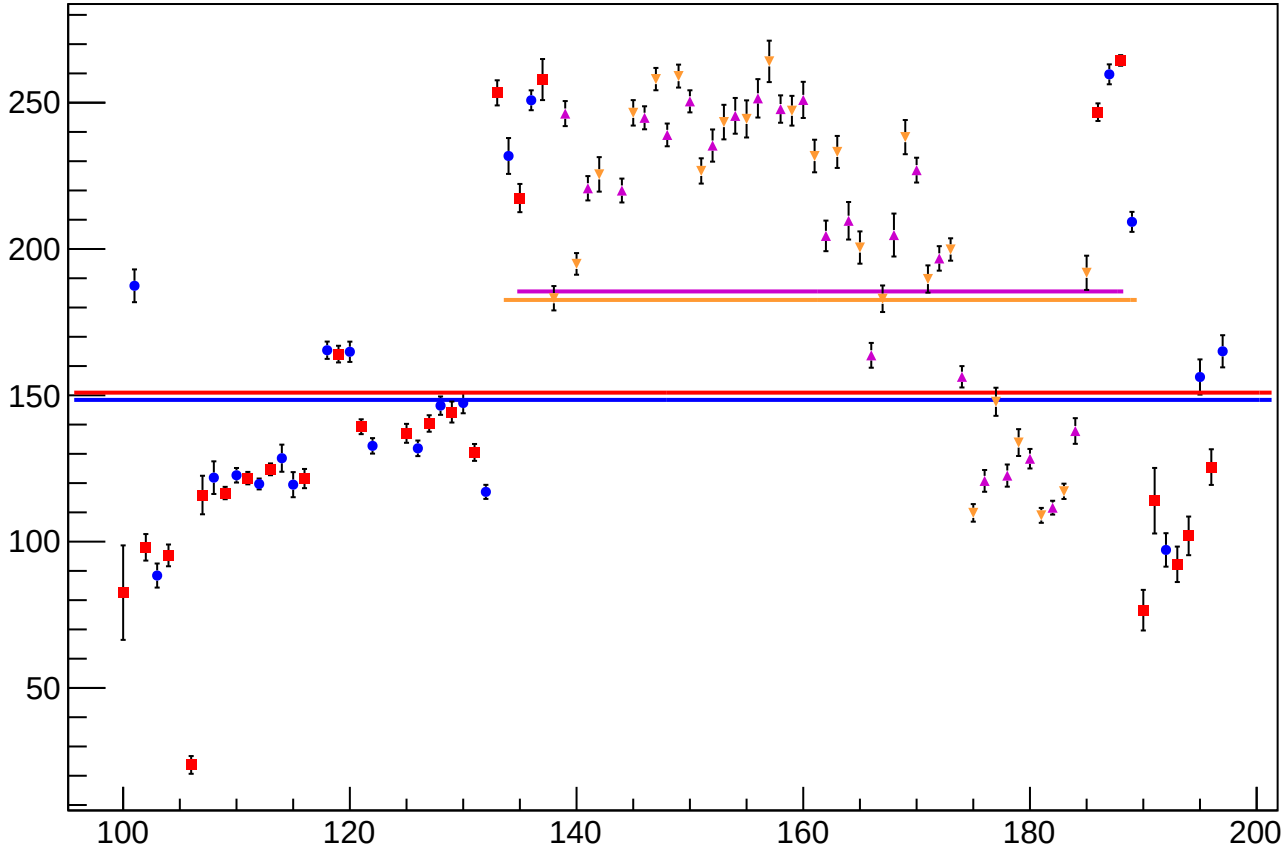
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.926+/-0.039 χ^2/NDF: 317889.7/44

All: -139.499+/-0.027 χ^2/NDF: 1967023.4/92

- sign -132.340+/-0.036 χ^2/NDF: 1563292.8/47

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 148.432+/-0.728 χ^2/NDF: 3561.4/20

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.915+/-0.649 χ^2/NDF: 9228.6/24

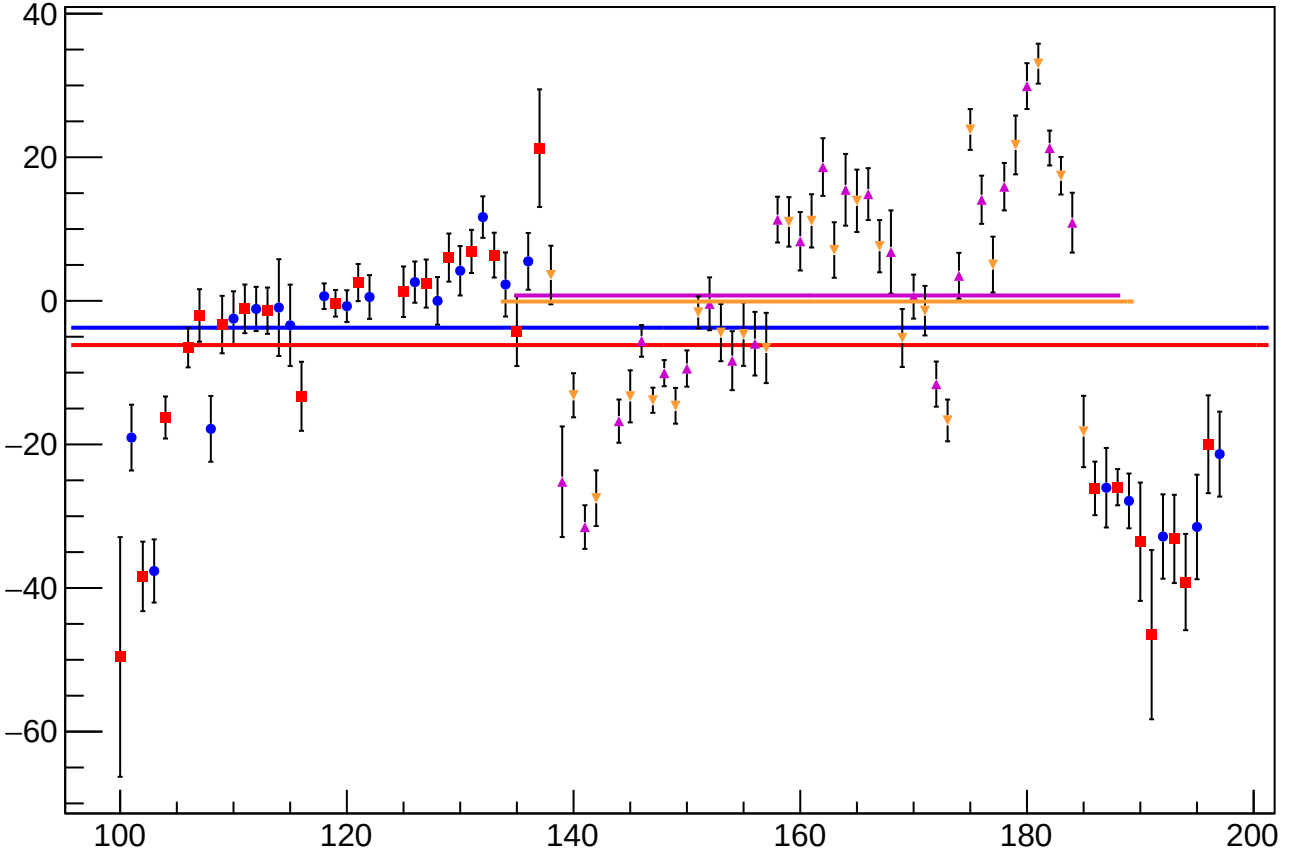
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 162.573+/-0.557 χ^2/NDF: 8625.7/44

All: 162.922+/-0.380 χ^2/NDF: 22689.1/92

- sign 163.227+/-0.521 χ^2/NDF: 14062.7/47

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -3.741+/-0.765 χ^2/NDF: 242.0/20

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -6.164+/-0.716 χ^2/NDF: 324.0/24

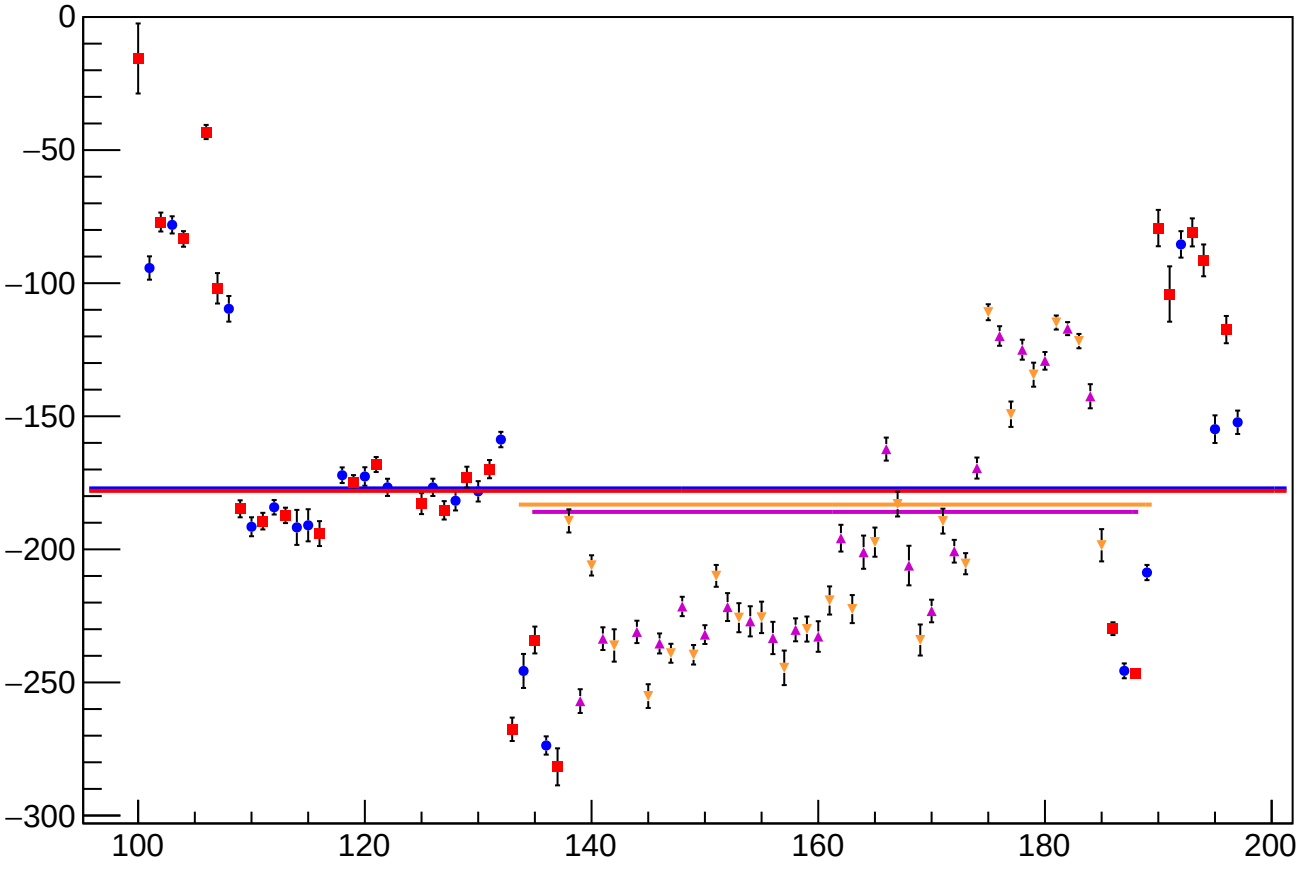
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -1.635+/-0.497 χ^2/NDF: 810.4/44

All: -2.053+/-0.348 χ^2/NDF: 1683.6/92

- sign -2.455+/-0.487 χ^2/NDF: 871.8/47

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -177.098+/-0.792 χ^2/NDF: 3593.2/20

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -178.022+/-0.679 χ^2/NDF: 9191.9/24

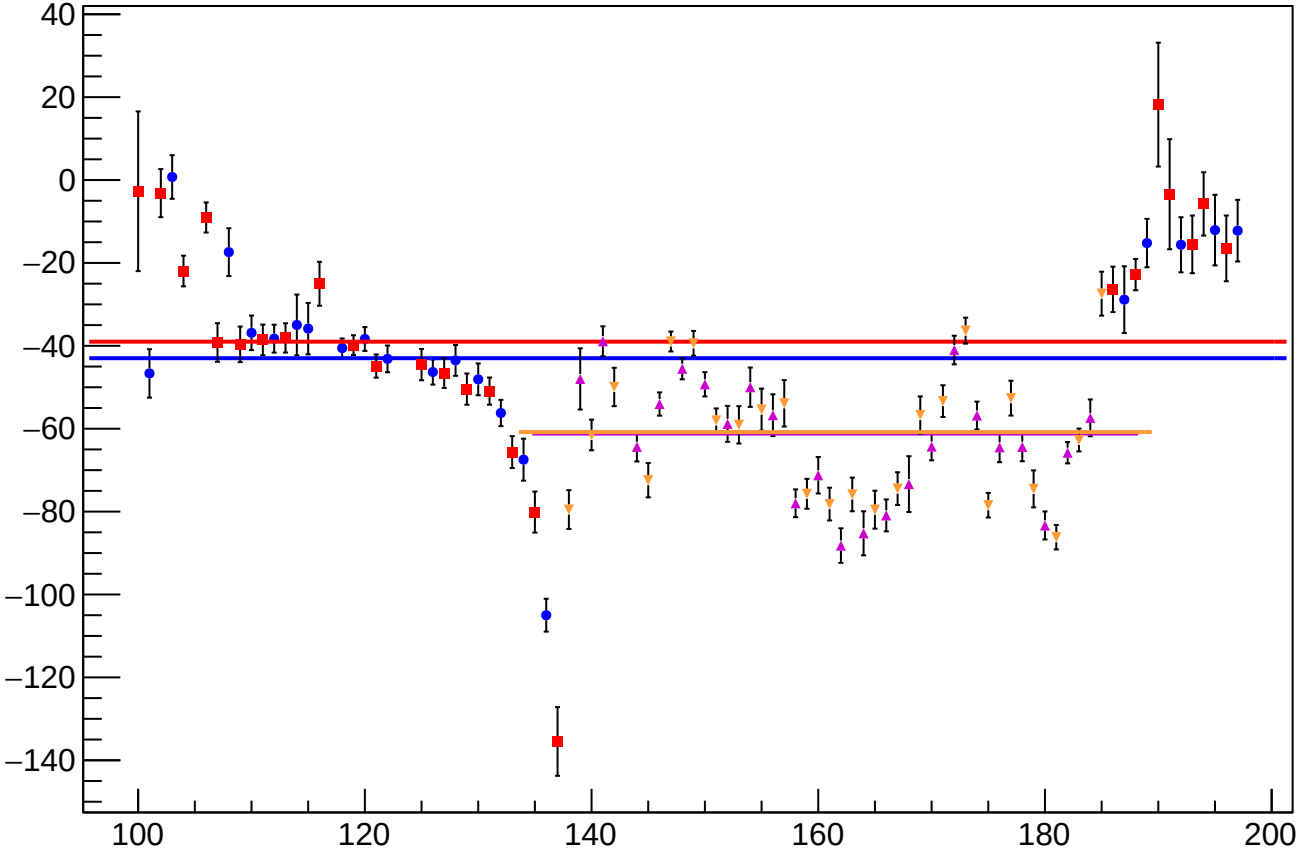
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -179.878+/-0.583 χ^2/NDF: 6981.3/44

All: -180.503+/-0.394 χ^2/NDF: 19408.6/92

- sign -181.028+/-0.534 χ^2/NDF: 12425.2/47

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -42.987+/-0.899 χ^2/NDF: 461.1/20

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -39.000+/-0.852 χ^2/NDF: 507.8/24

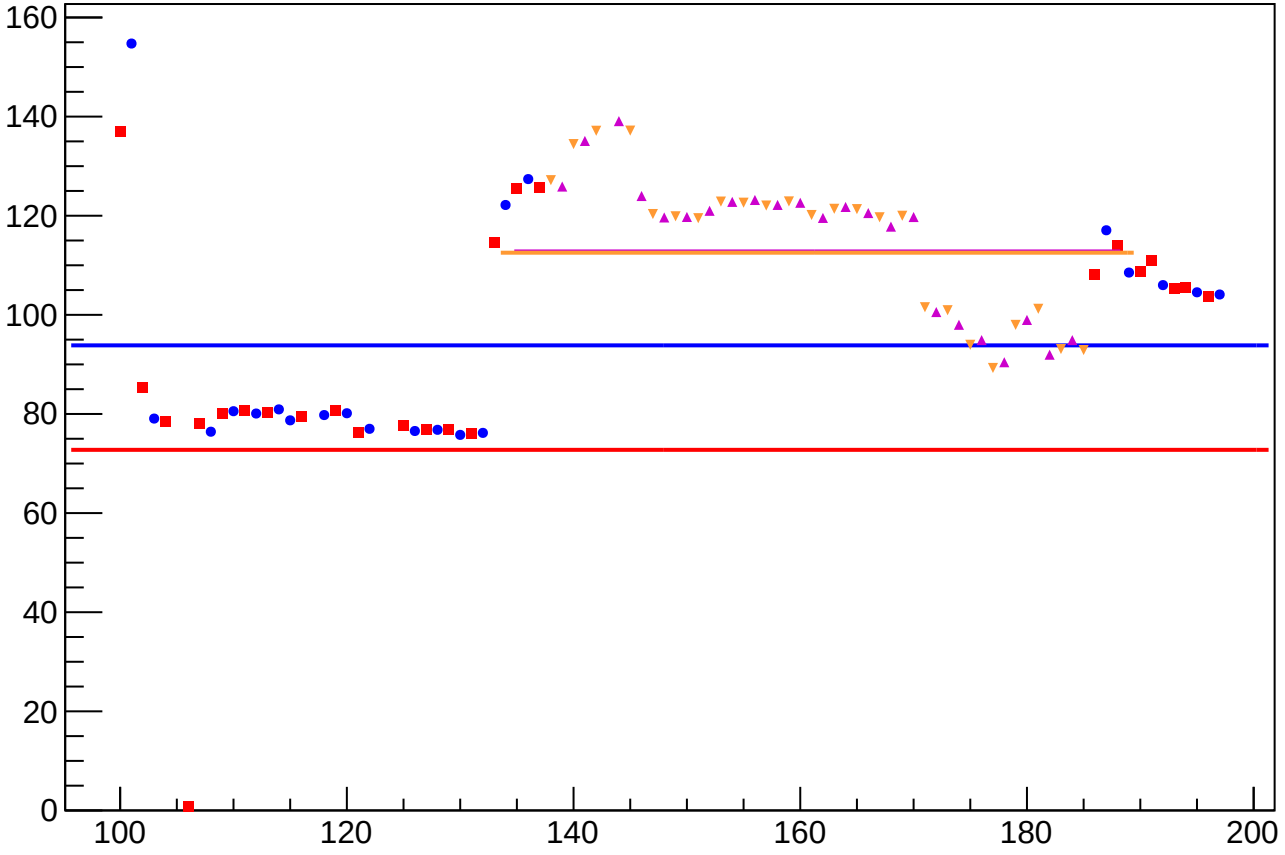
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -53.505+/-0.575 χ^2/NDF: 1166.9/44

All: -52.433+/-0.403 χ^2/NDF: 2376.8/92

- sign -51.397+/-0.566 χ^2/NDF: 1203.1/47

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 93.842+/-0.052 χ^2/NDF: 176340.0/20

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 72.762+/-0.044 χ^2/NDF: 820003.7/24

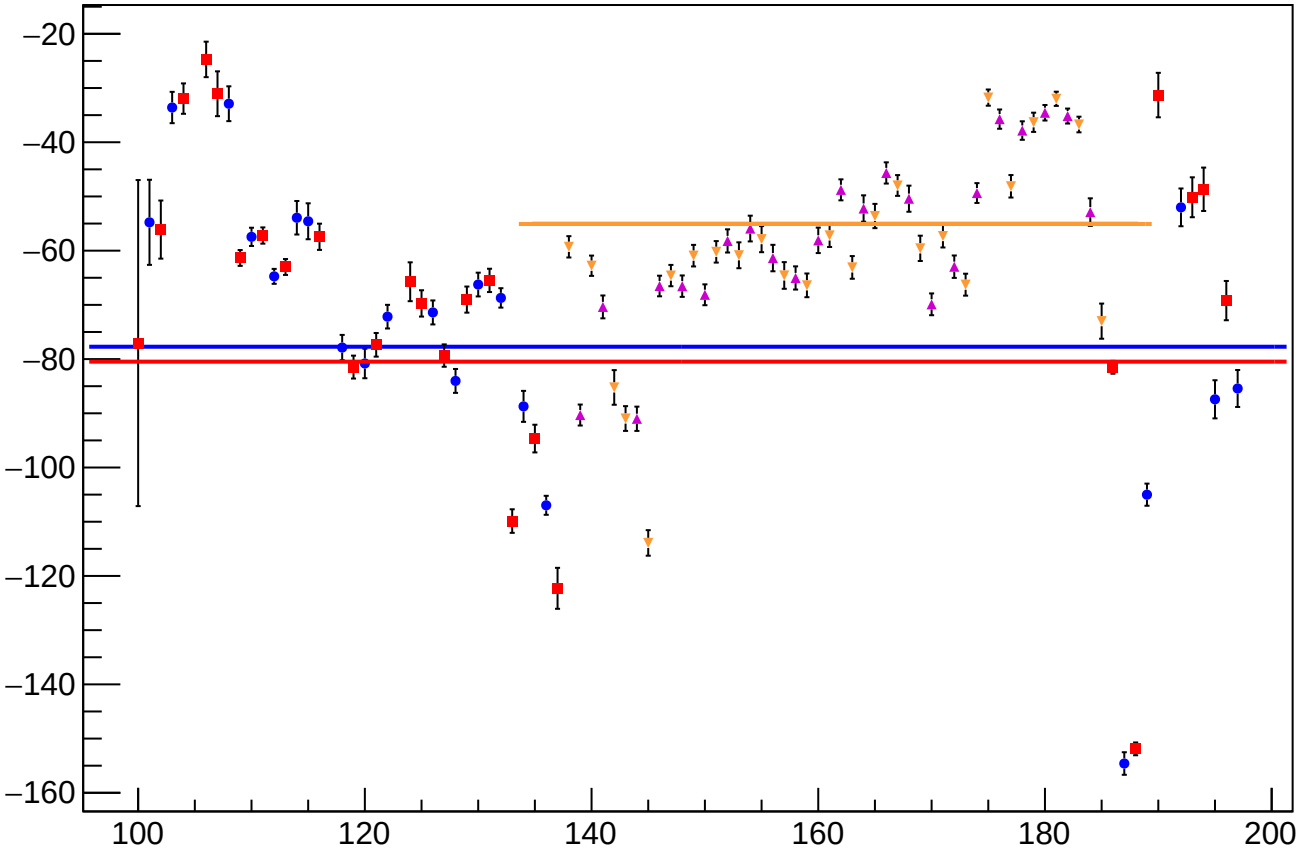
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.868+/-0.029 χ^2/NDF: 439509.0/44

All: 101.980+/-0.020 χ^2/NDF: 1996465.4/92

- sign 97.654+/-0.027 χ^2/NDF: 1502901.9/47

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -77.720+/-0.504 χ^2/NDF: 2758.0/20

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.471+/-0.434 χ^2/NDF: 5794.4/24

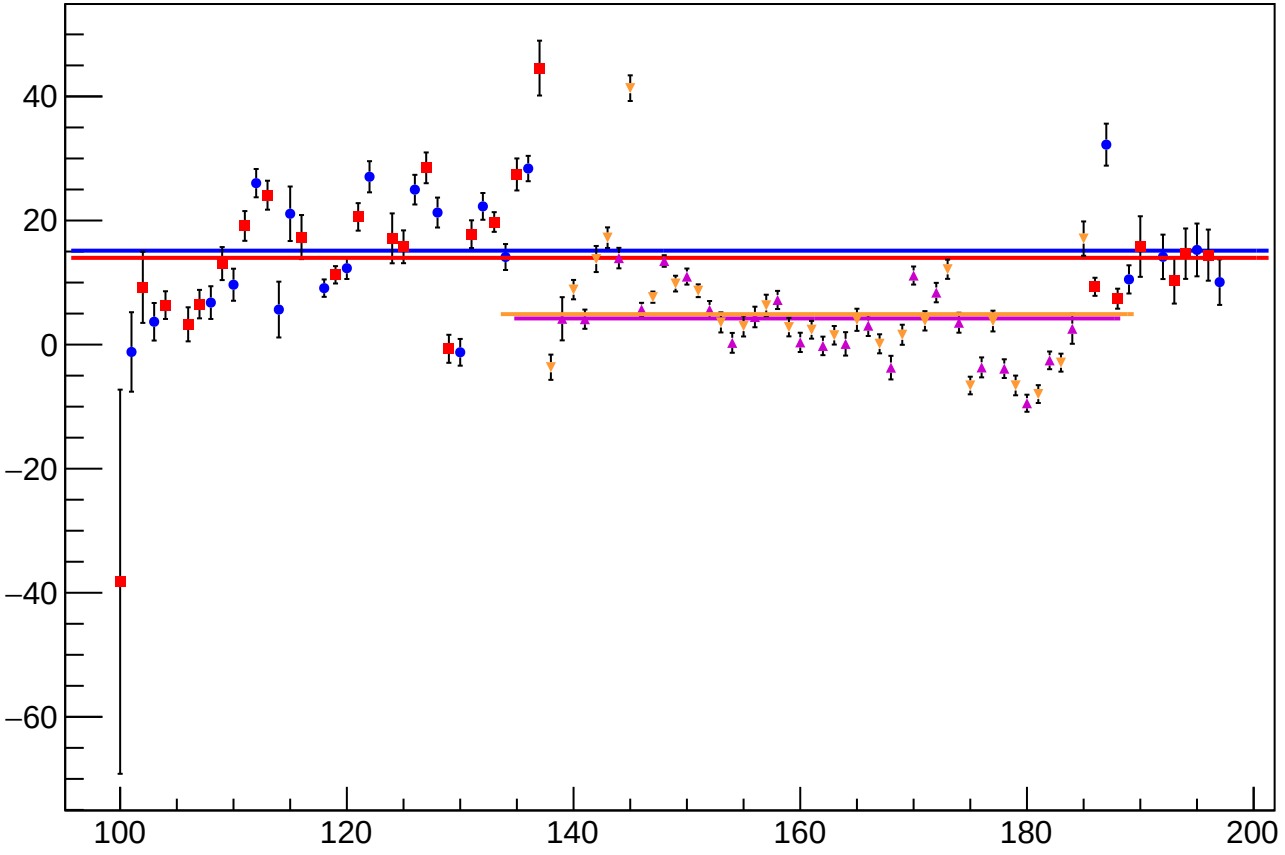
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.839+/-0.314 χ^2/NDF: 5997.3/45

All: -65.526+/-0.216 χ^2/NDF: 15199.6/93

- sign -67.052+/-0.298 χ^2/NDF: 9147.1/47

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.142+/-0.538 χ^2/NDF: 274.1/20

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 13.982+/-0.482 χ^2/NDF: 274.6/24

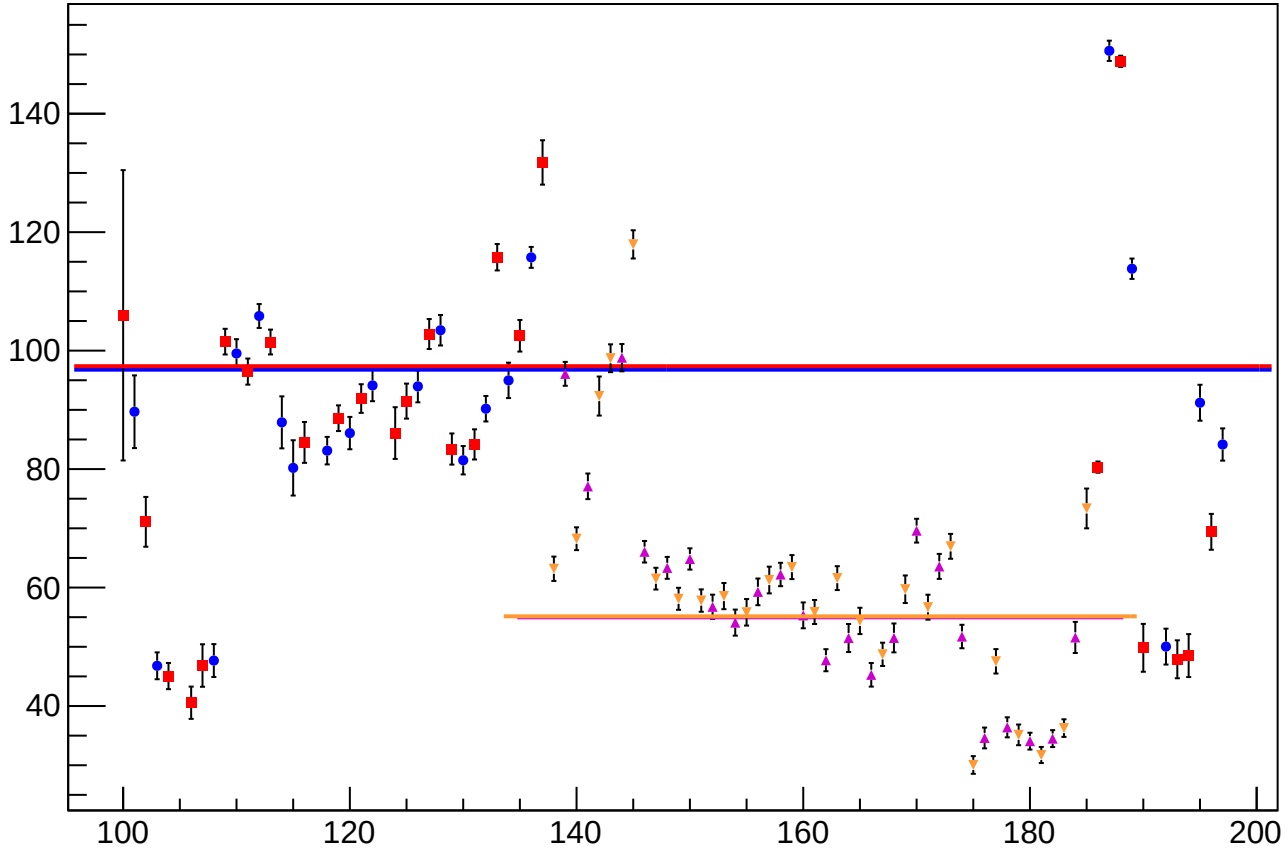
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.352+/-0.263 χ^2/NDF: 1290.7/45

All: 7.226+/-0.186 χ^2/NDF: 2269.7/93

- sign 7.101+/-0.262 χ^2/NDF: 978.5/47

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 96.789+/-0.537 χ^2/NDF: 2415.8/20

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 97.371+/-0.439 χ^2/NDF: 5413.2/24

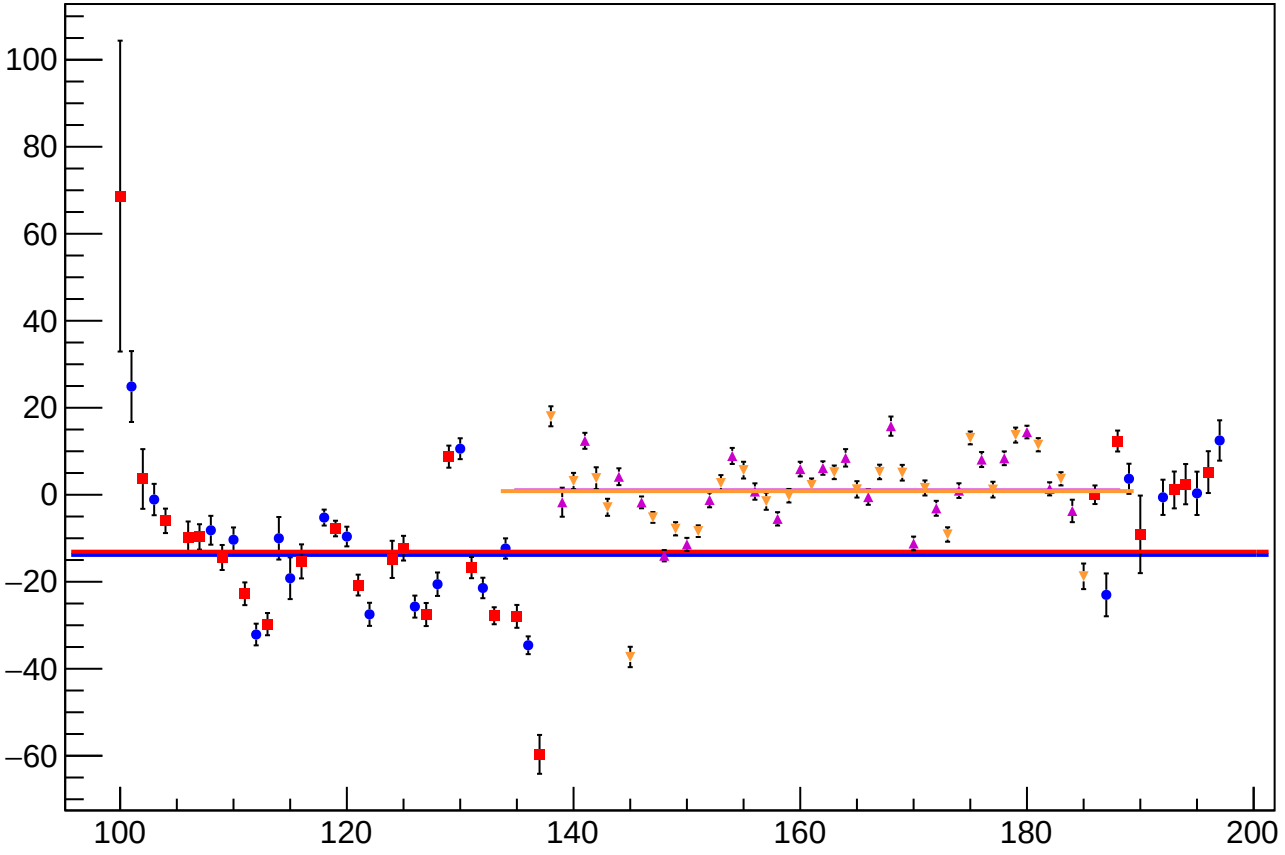
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.860+/-0.319 χ^2/NDF: 8549.0/45

All: 72.348+/-0.218 χ^2/NDF: 20893.1/93

- sign 74.514+/-0.298 χ^2/NDF: 12230.5/47

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -13.823+/-0.629 χ^2/NDF: 472.5/20

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

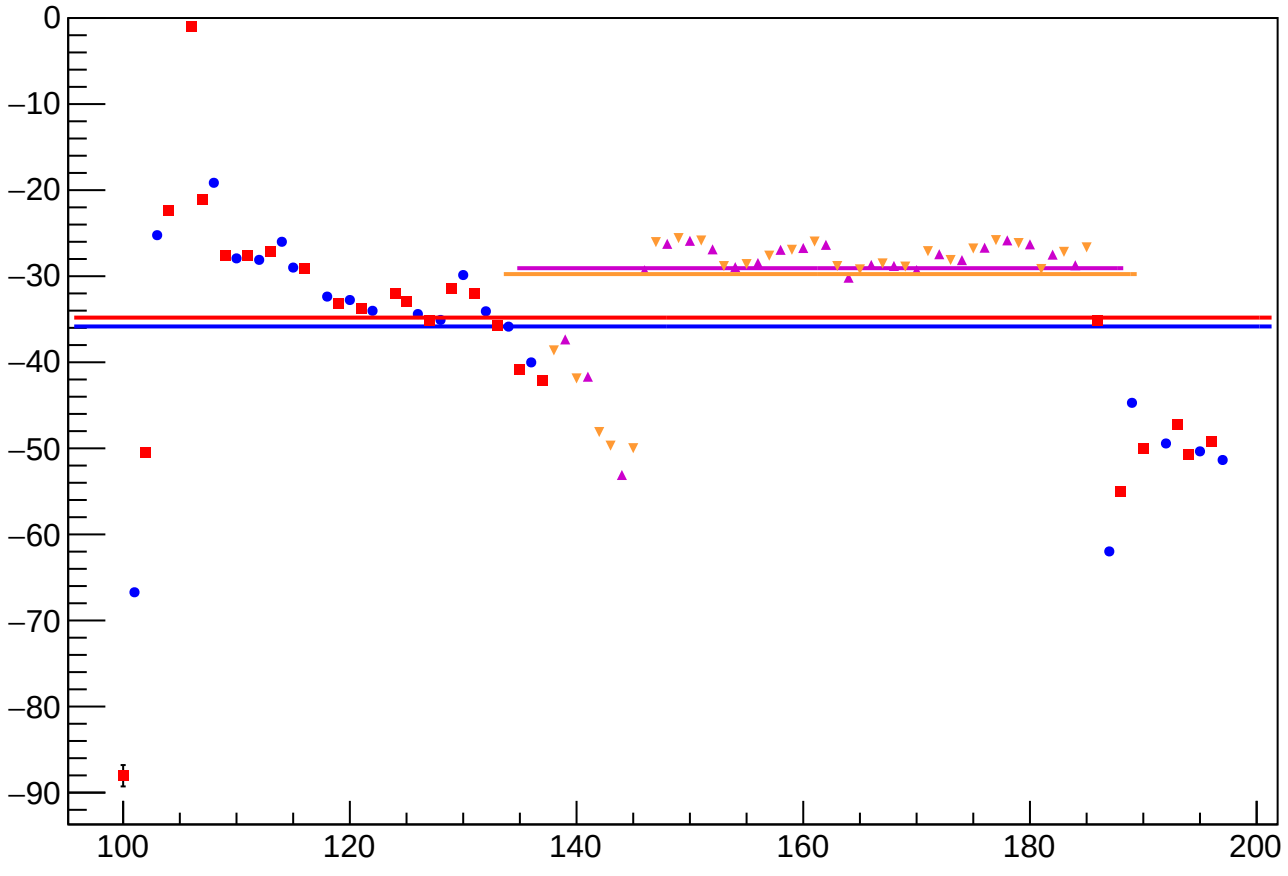
Right Out: -13.085+/-0.581 χ^2/NDF: 585.5/24

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.522+/-0.301 χ^2/NDF: 1609.0/45

All: -2.670+/-0.213 χ^2/NDF: 3181.5/93

\- sign -2.819+/-0.302 χ^2/NDF: 1572.0/47



Right In: -35.838+/-0.034 χ^2/NDF: 93055.1/20

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -34.809+/-0.032 χ^2/NDF: 178075.3/24

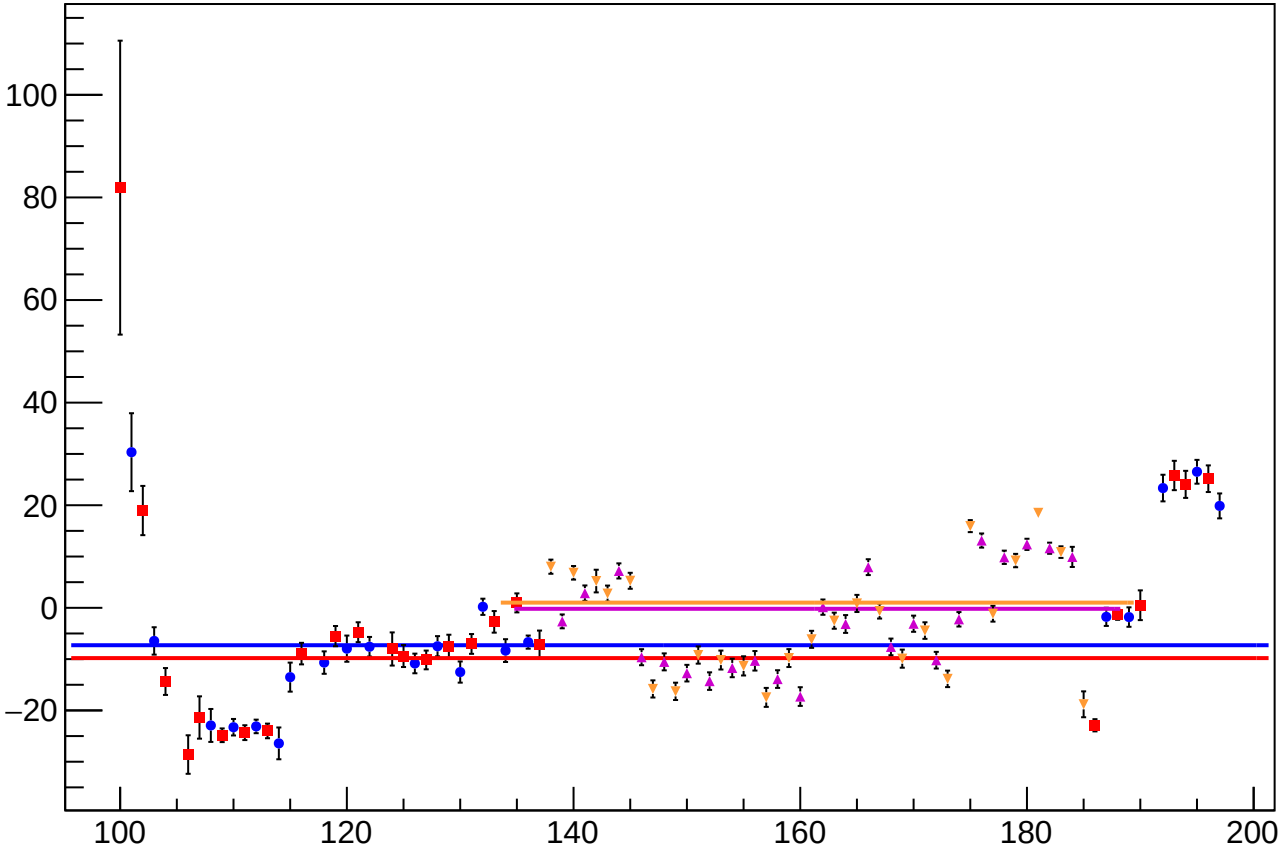
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.816+/-0.014 χ^2/NDF: 283249.0/45

All: -30.495+/-0.010 χ^2/NDF: 589316.6/93

- sign -30.171+/-0.014 χ^2/NDF: 305033.4/47

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -7.290+/-0.441 χ^2/NDF: 863.0/20

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -9.801+/-0.391 χ^2/NDF: 1174.5/24

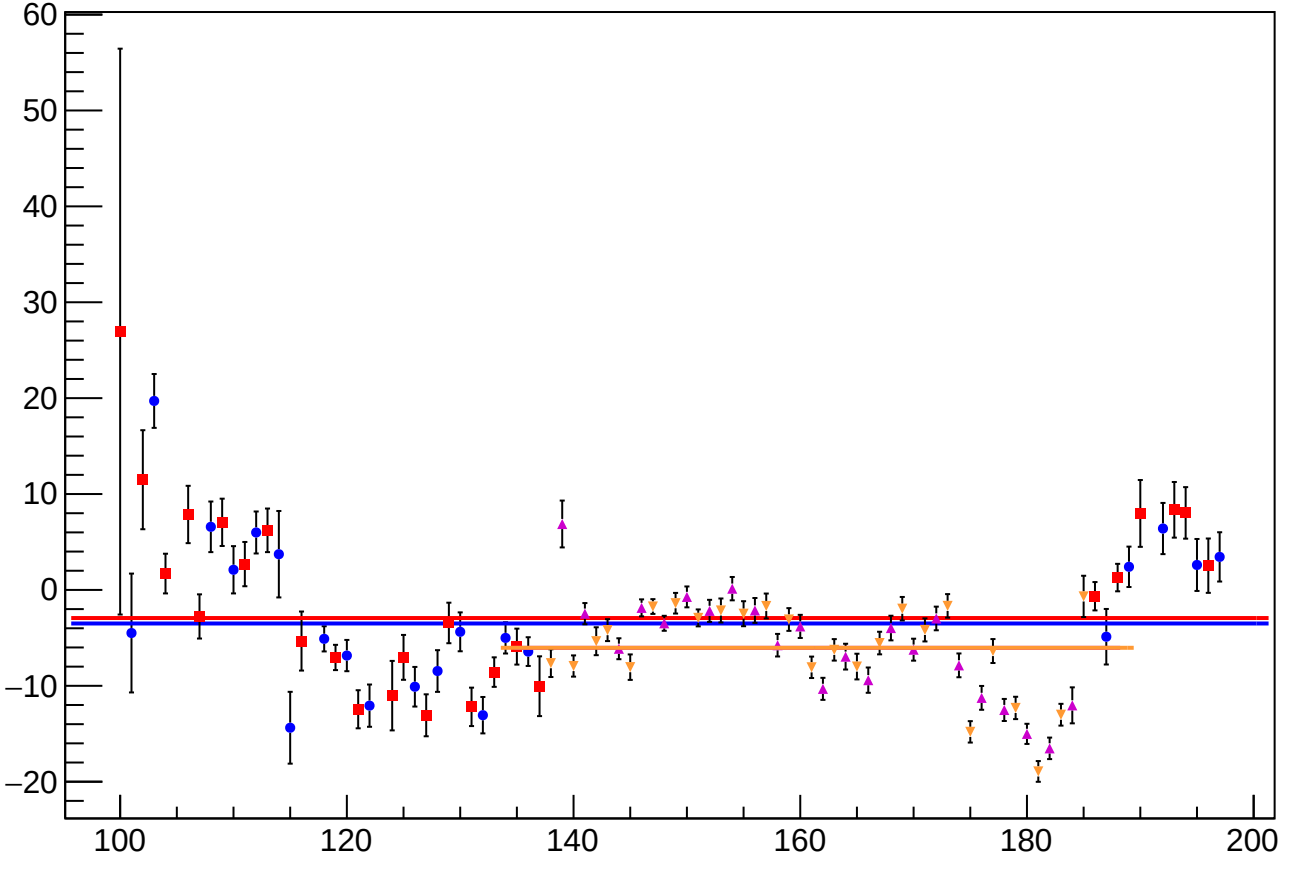
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -1.673+/-0.251 χ^2/NDF: 2438.4/45

All: -2.846+/-0.175 χ^2/NDF: 5005.2/93

- sign -3.967+/-0.245 χ^2/NDF: 2523.9/47

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -3.500+/-0.471 χ^2/NDF: 218.5/20

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -2.932+/-0.438 χ^2/NDF: 227.1/24

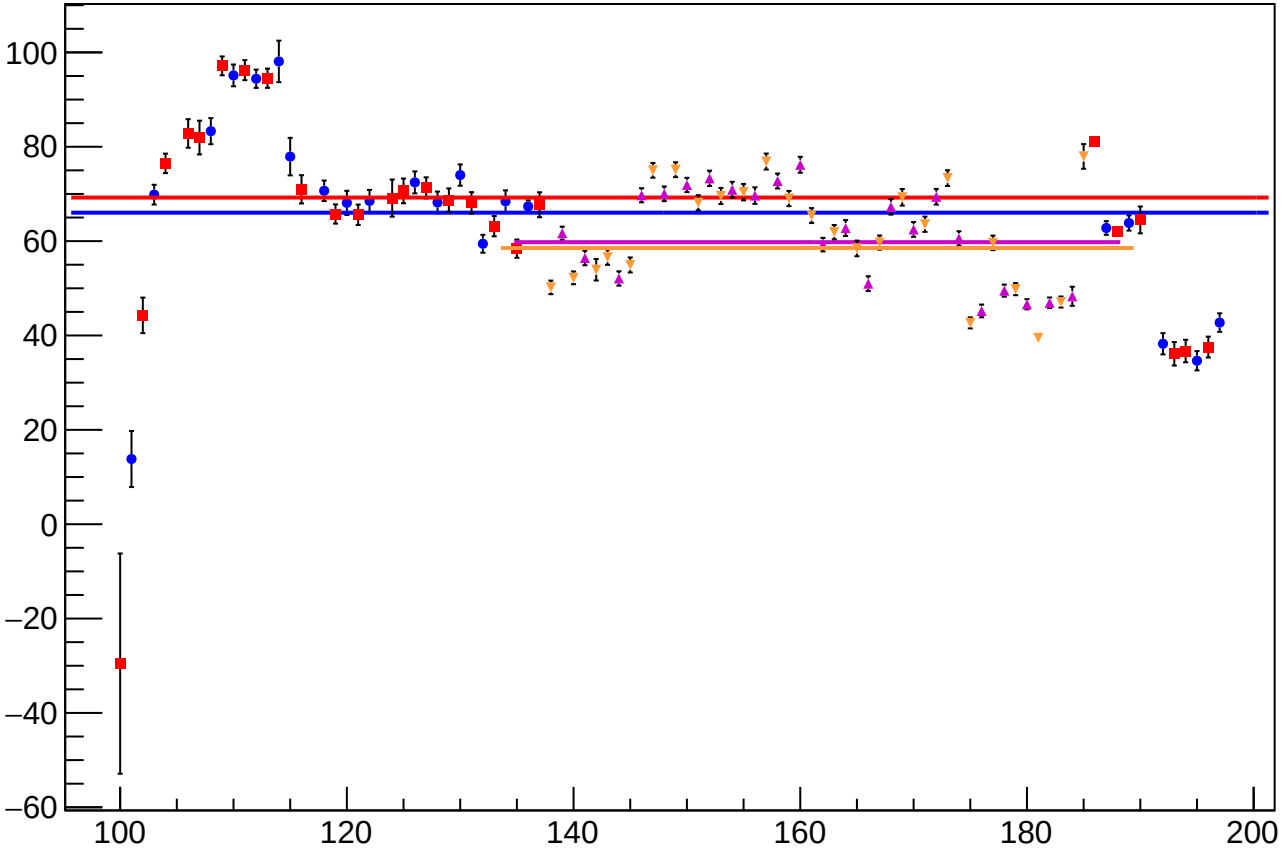
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.535+/-0.209 χ^2/NDF: 656.8/45

All: -5.425+/-0.149 χ^2/NDF: 1319.3/93

- sign -5.312+/-0.212 χ^2/NDF: 661.9/47

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 66.031+/-0.462 χ^2/NDF: 1132.0/20

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 69.234+/-0.395 χ^2/NDF: 1464.6/24

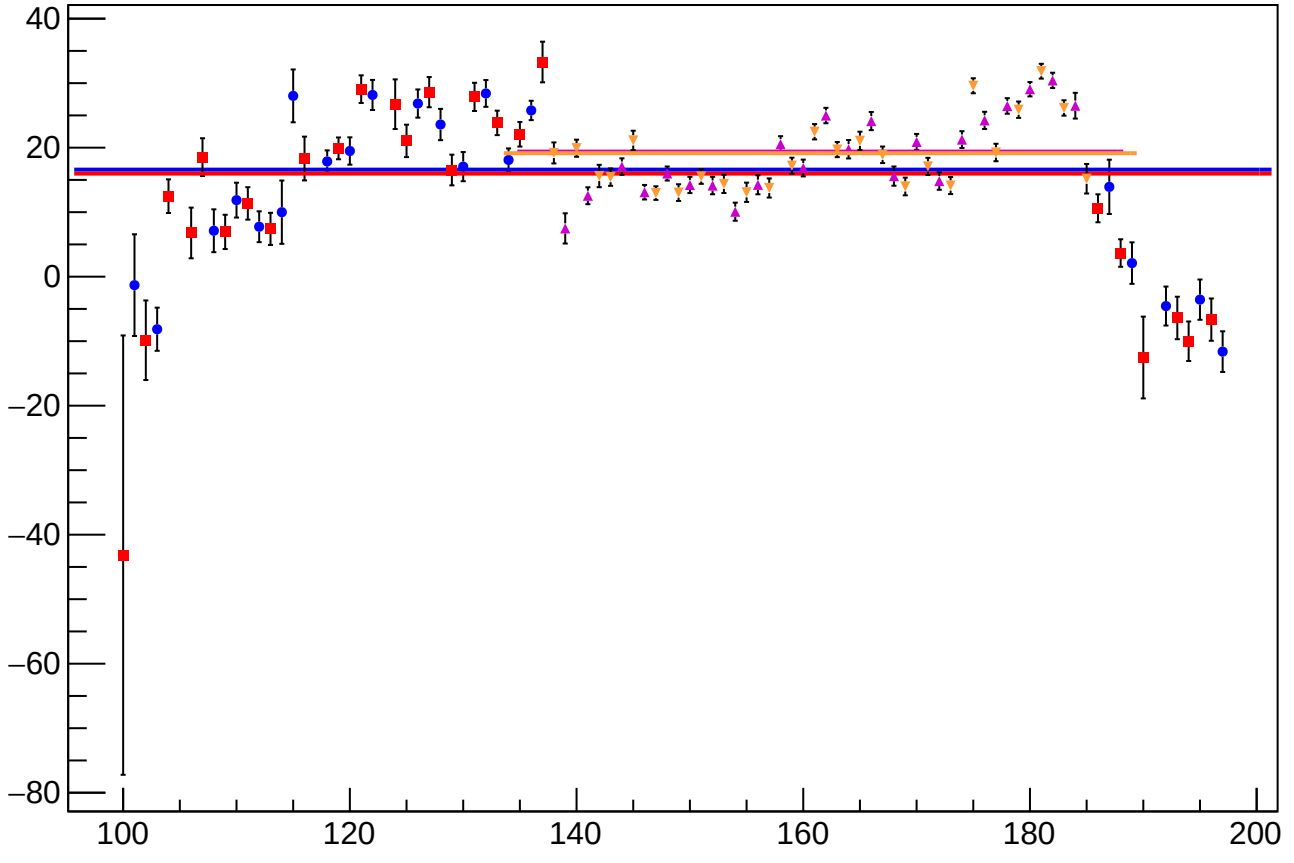
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 60.787+/-0.253 χ^2/NDF: 2765.2/45

All: 62.143+/-0.176 χ^2/NDF: 5709.2/93

- sign 63.406+/-0.245 χ^2/NDF: 2888.6/47

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 16.593+/-0.544 χ^2/NDF: 413.7/20

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 15.978+/-0.522 χ^2/NDF: 452.2/24

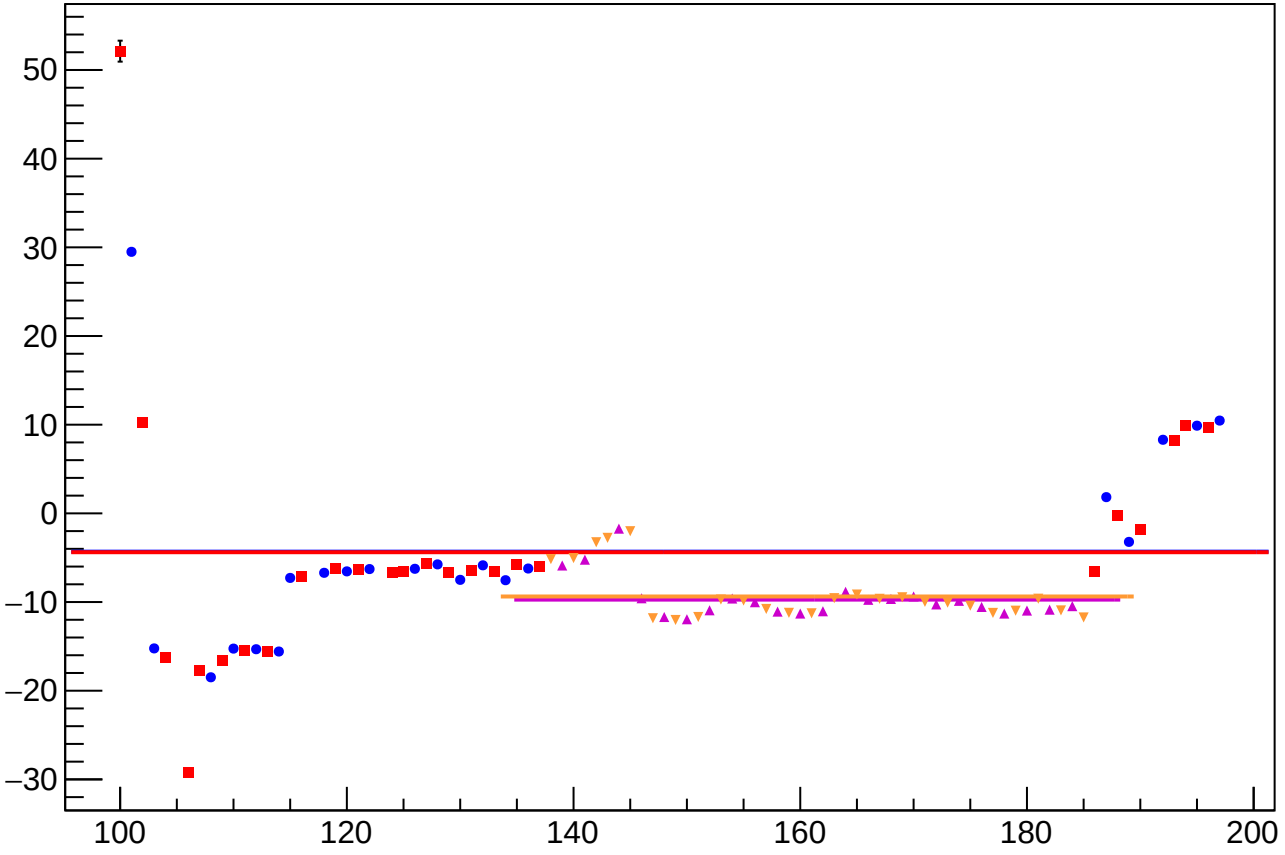
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.652+/-0.237 χ^2/NDF: 865.2/45

All: 18.654+/-0.170 χ^2/NDF: 1818.7/93

- sign 18.655+/-0.242 χ^2/NDF: 953.5/47

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -4.319+/-0.028 χ^2/NDF: 115233.2/20

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -4.381+/-0.028 χ^2/NDF: 141109.6/24

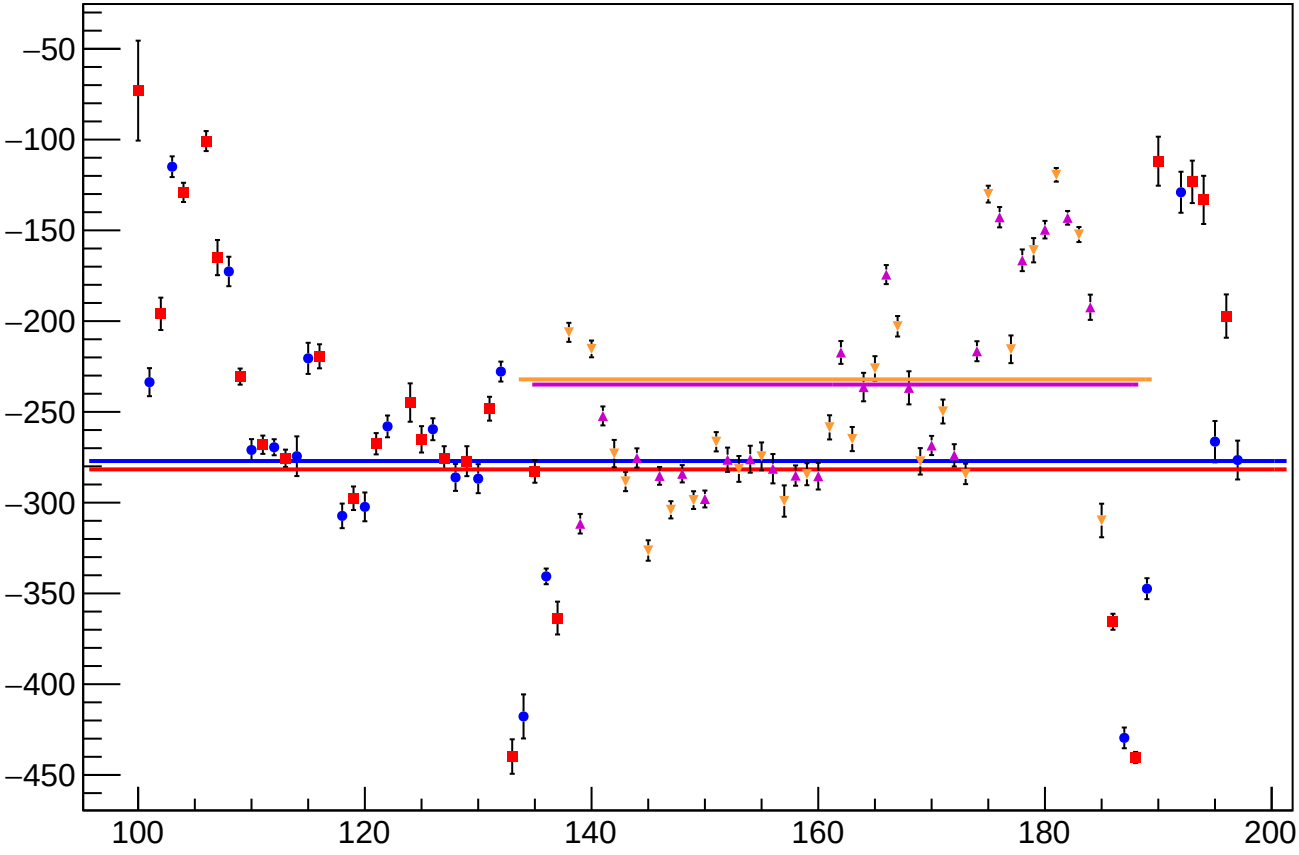
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -8.584+/-0.011 χ^2/NDF: 193494.6/45

All: -8.721+/-0.008 χ^2/NDF: 398314.4/93

- sign -8.863+/-0.011 χ^2/NDF: 204497.3/47

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -277.072+/-1.460 χ^2/NDF: 2568.8/20

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -281.679+/-1.265 χ^2/NDF: 6408.5/24

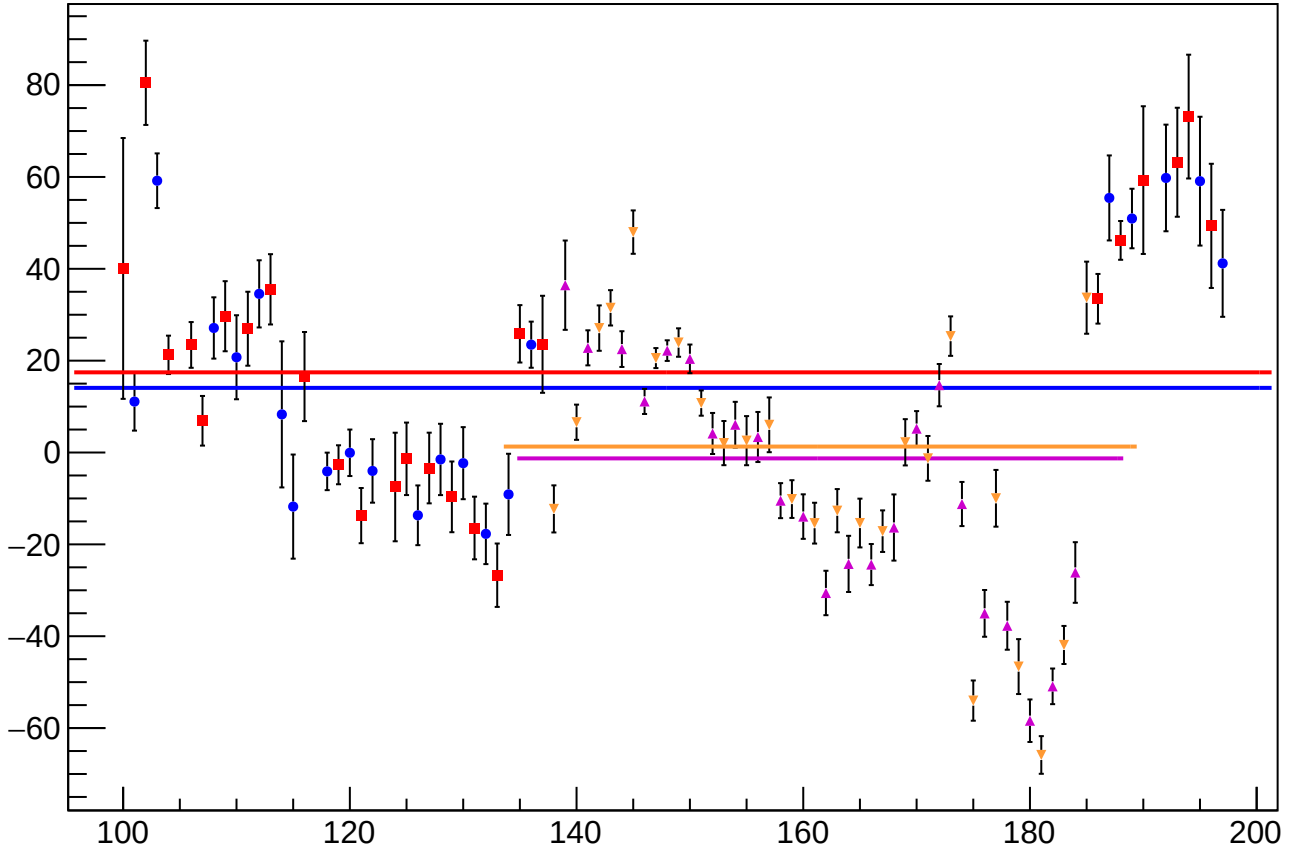
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -249.180+/-0.900 χ^2/NDF: 6427.1/45

All: -253.053+/-0.622 χ^2/NDF: 16073.1/93

- sign -256.599+/-0.861 χ^2/NDF: 9610.5/47

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.074+/-1.533 χ^2/NDF: 253.5/20

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 17.456+/-1.368 χ^2/NDF: 309.9/24

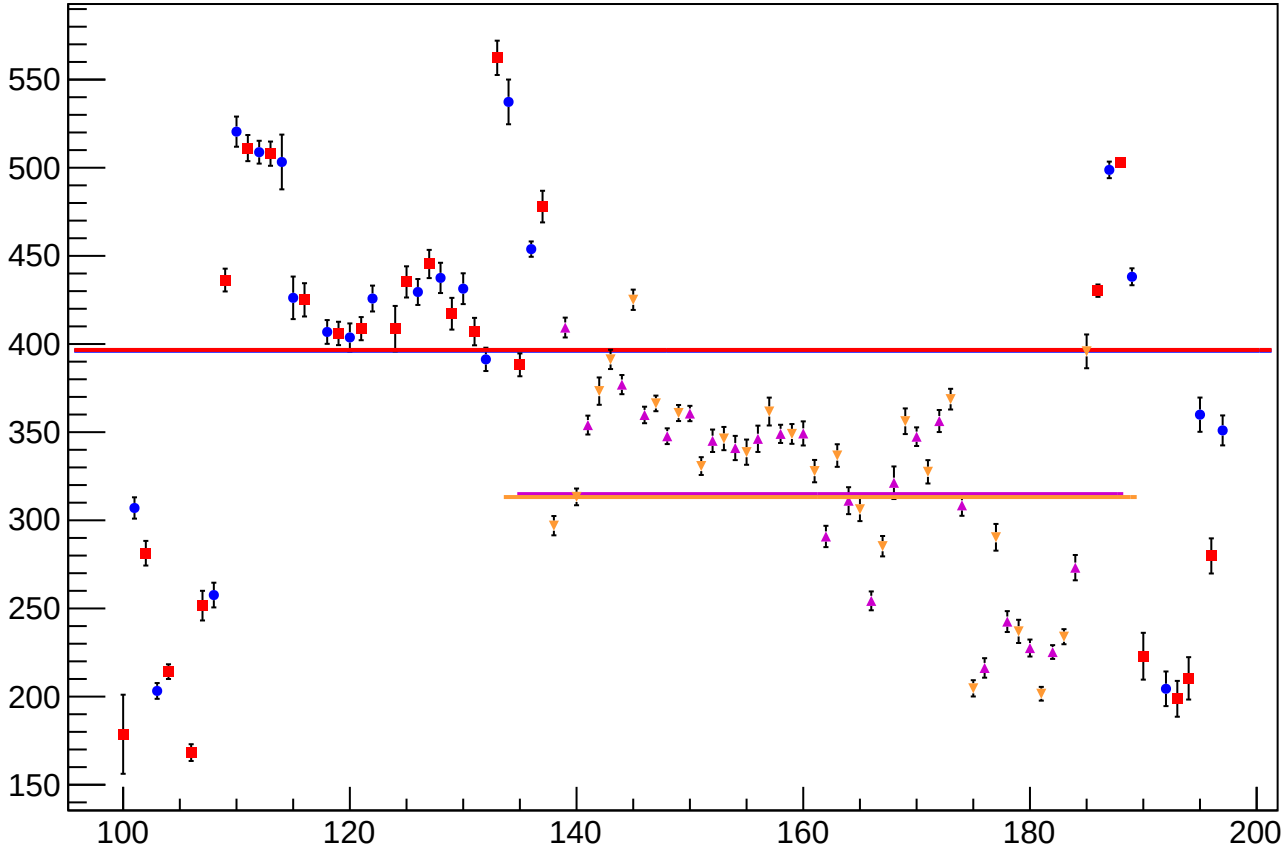
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 4.228+/-0.735 χ^2/NDF: 1356.5/45

All: 4.168+/-0.519 χ^2/NDF: 2611.3/93

- sign 4.107+/-0.733 χ^2/NDF: 1254.9/47

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 396.195+/-1.485 χ^2/NDF: 4388.8/20

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 396.645+/-1.242 χ^2/NDF: 8751.8/24

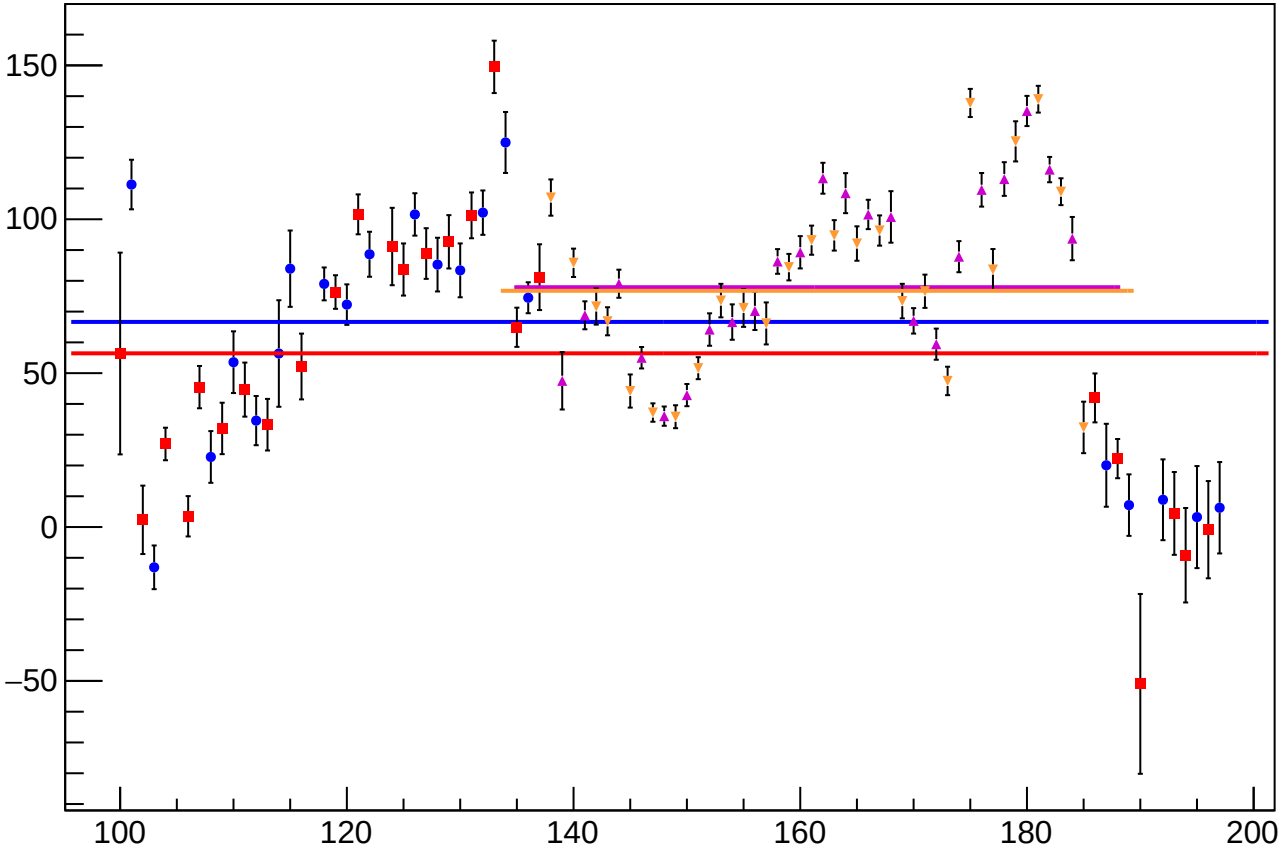
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 343.757+/-0.901 χ^2/NDF: 9497.0/45

All: 348.659+/-0.618 χ^2/NDF: 23046.1/93

- sign 353.002+/-0.848 χ^2/NDF: 13493.3/47

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 66.650+/-1.804 χ^2/NDF: 412.6/20

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 56.441+/-1.653 χ^2/NDF: 508.5/24

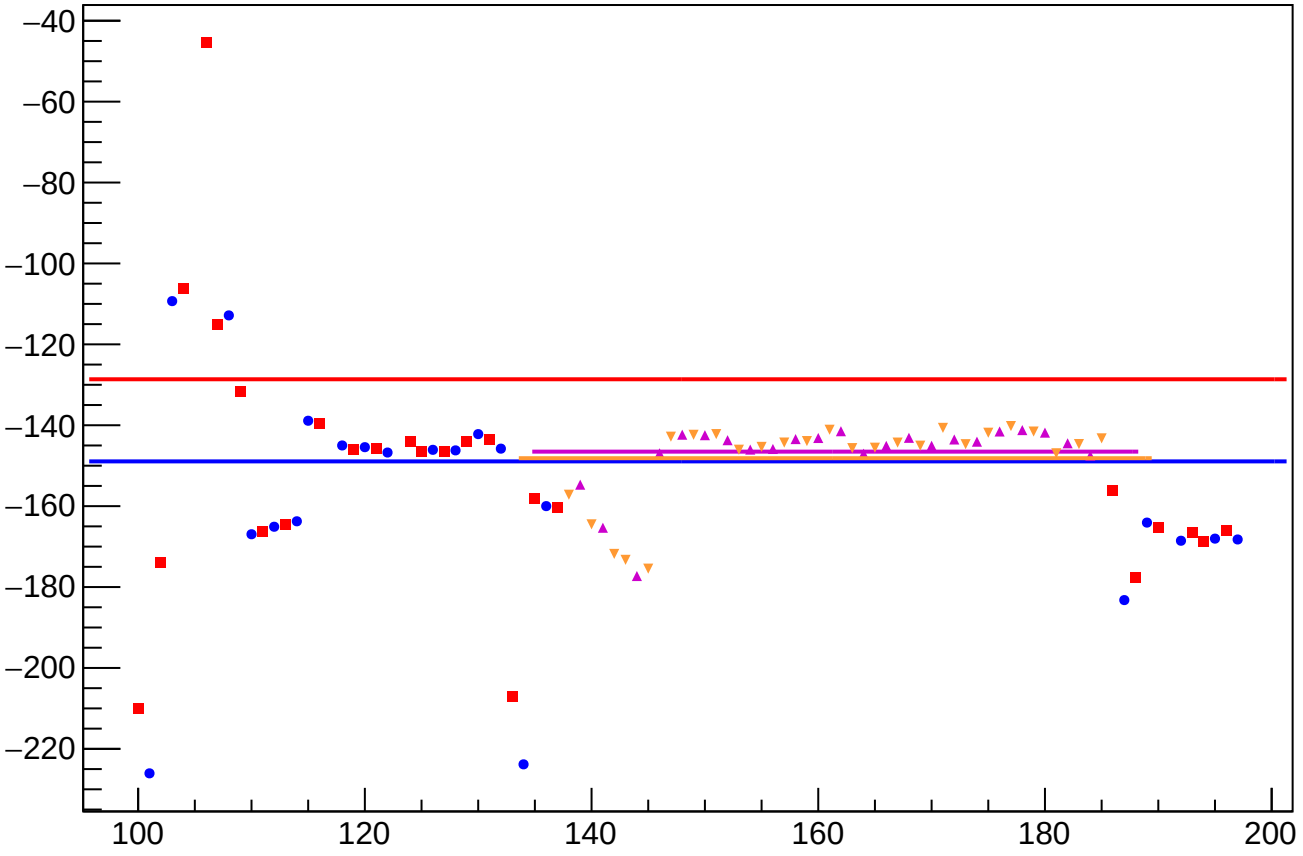
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 74.503+/-0.852 χ^2/NDF: 1472.3/45

All: 73.351+/-0.603 χ^2/NDF: 2892.1/93

- sign 72.195+/-0.854 χ^2/NDF: 1416.1/47

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -148.934+/-0.090 χ^2/NDF: 141476.3/20

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -128.634+/-0.081 χ^2/NDF: 325469.9/24

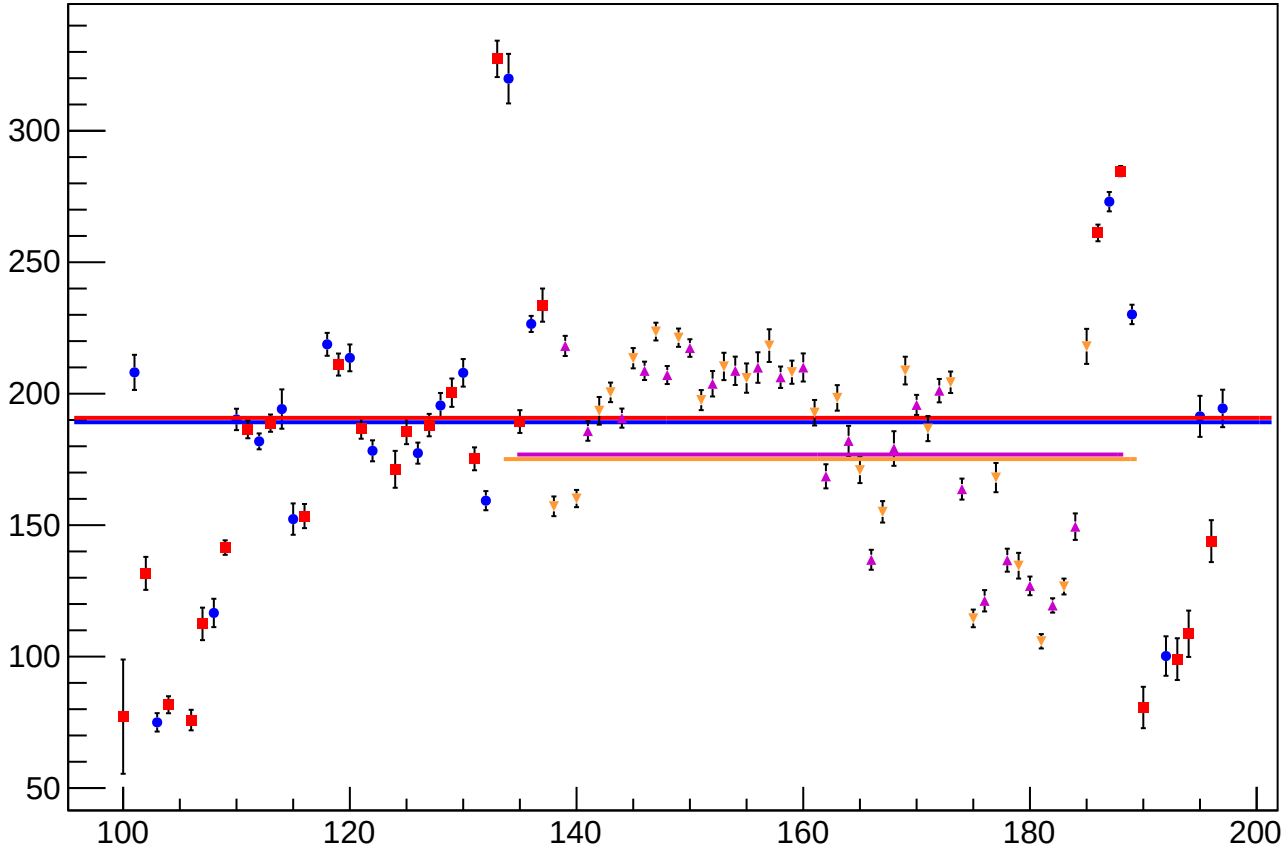
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.305+/-0.040 χ^2/NDF: 190447.1/45

All: -145.202+/-0.028 χ^2/NDF: 593979.2/93

- sign -142.202+/-0.040 χ^2/NDF: 391895.7/47

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 189.139+/-0.978 χ^2/NDF: 2589.7/20

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 190.806+/-0.838 χ^2/NDF: 6445.5/24

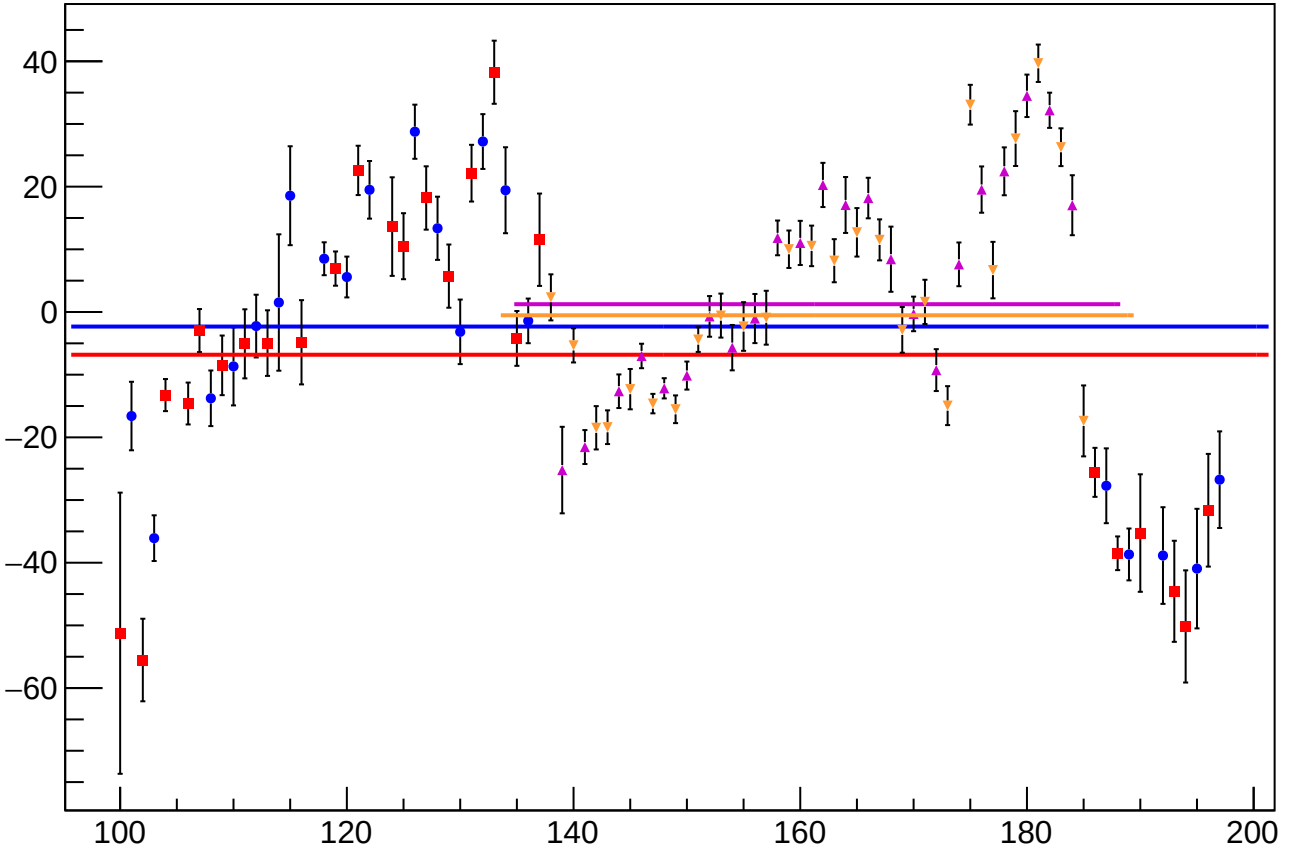
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

\+ sign 180.925+/-0.629 χ^2/NDF: 5005.1/45

All: 182.501+/-0.433 χ^2/NDF: 13355.7/93

\- sign 183.912+/-0.596 χ^2/NDF: 8338.7/47

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.322+/-1.026 χ^2/NDF: 414.1/20

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -6.817+/-0.901 χ^2/NDF: 553.3/24

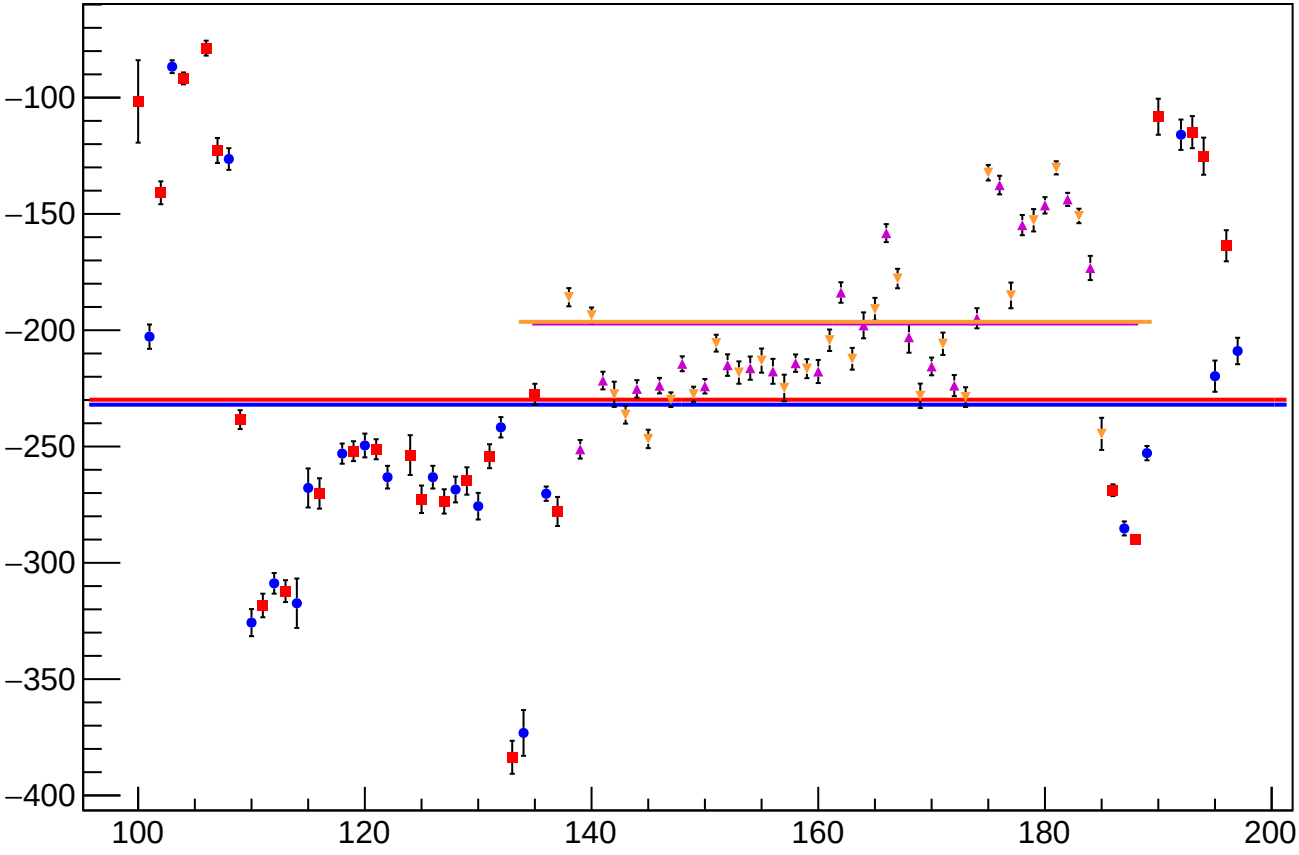
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -0.983+/-0.518 χ^2/NDF: 1140.8/45

All: -1.182+/-0.365 χ^2/NDF: 2369.0/93

- sign -1.377+/-0.514 χ^2/NDF: 1227.9/47

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -232.008+/-0.992 χ^2/NDF: 5257.3/20

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -229.876+/-0.818 χ^2/NDF: 9858.8/24

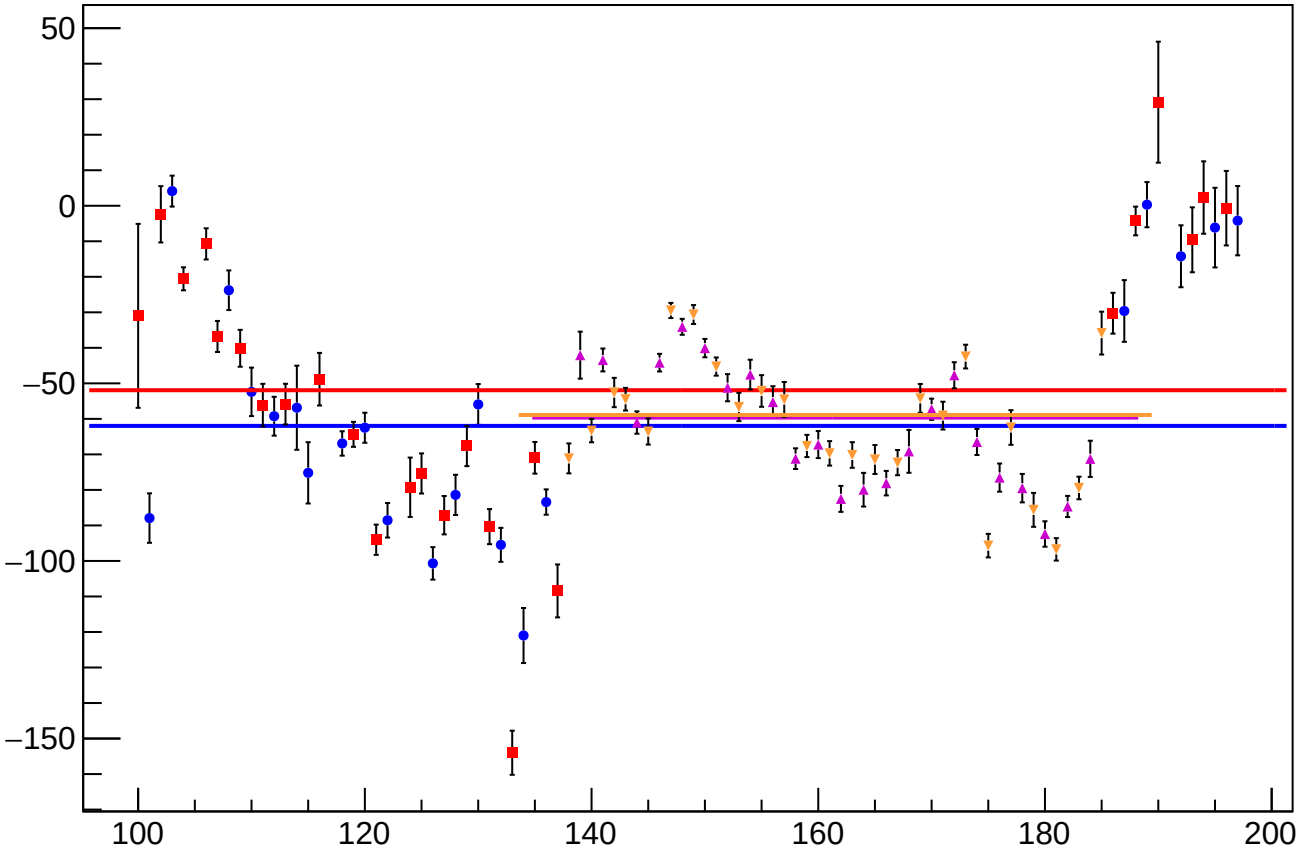
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -210.756+/-0.630 χ^2/NDF: 8024.8/45

All: -212.426+/-0.429 χ^2/NDF: 20280.9/93

- sign -213.867+/-0.585 χ^2/NDF: 12243.0/47

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -61.975+/-1.211 χ^2/NDF: 755.1/20

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -51.936+/-1.092 χ^2/NDF: 1084.3/24

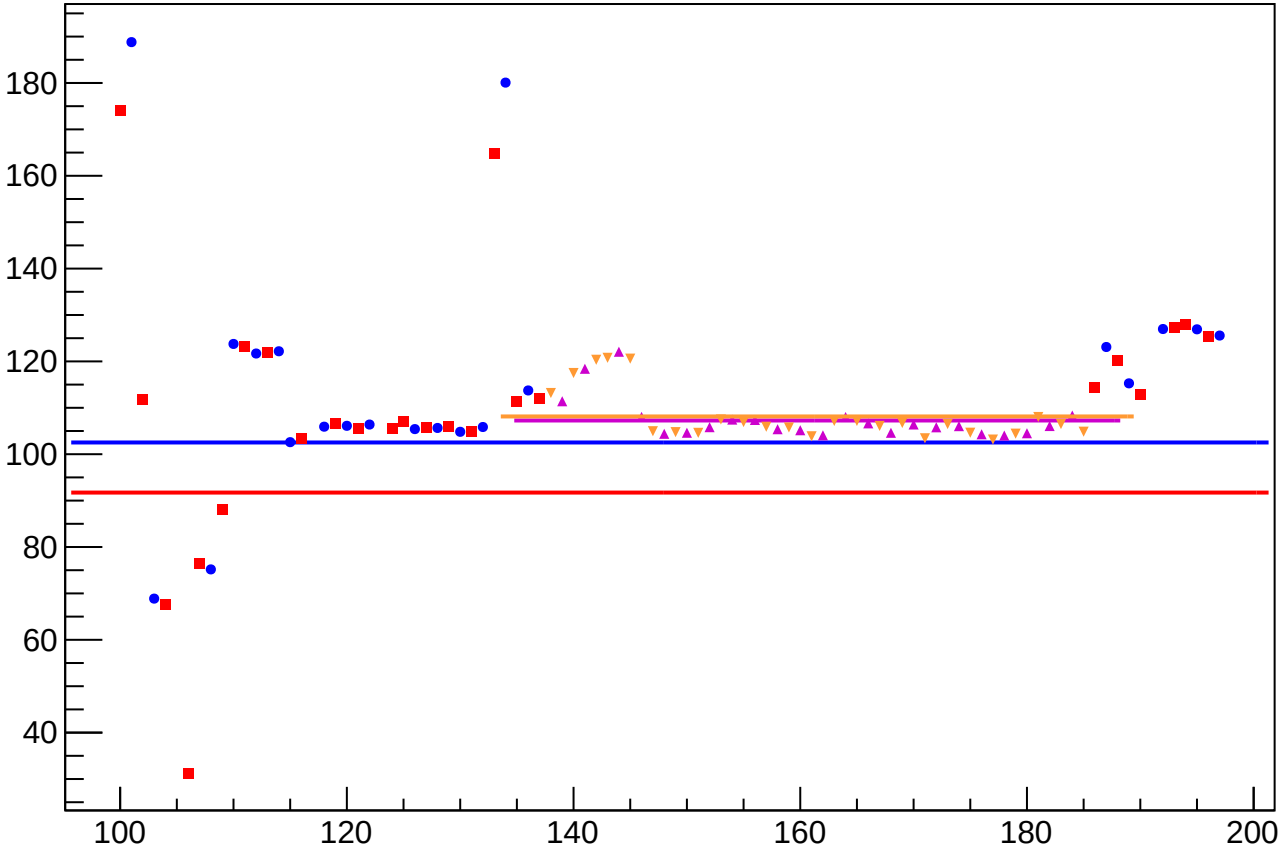
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

\+ sign -59.669+/-0.603 χ^2/NDF: 1542.4/45

All: -58.485+/-0.425 χ^2/NDF: 3266.1/93

\- sign -57.311+/-0.600 χ^2/NDF: 1716.0/47

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 102.527+/-0.060 χ^2/NDF: 253380.1/20

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

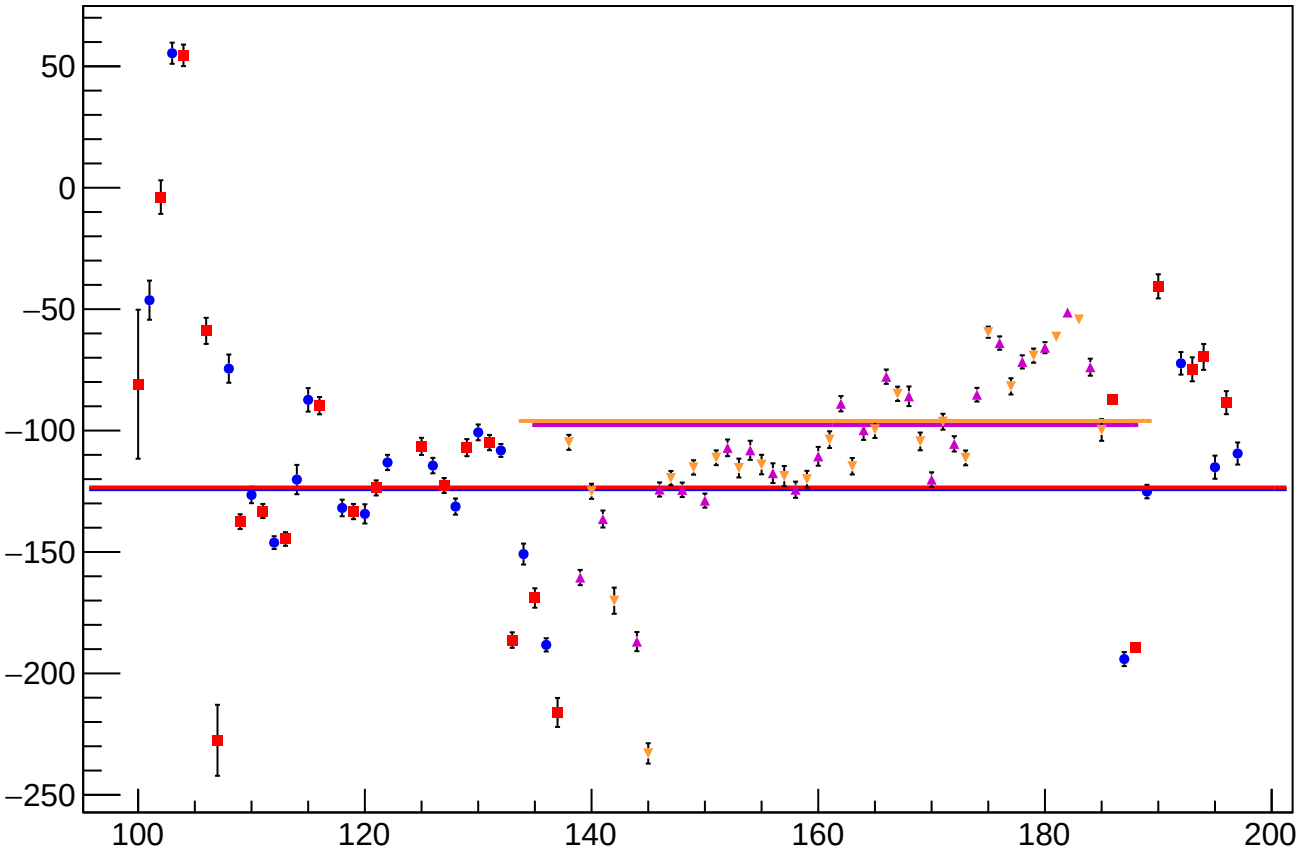
Right Out: 91.731+/-0.055 χ^2/NDF: 345685.3/24

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 106.878+/-0.029 χ^2/NDF: 286501.1/45

All: 104.981+/-0.020 χ^2/NDF: 717151.9/93

- sign 103.142+/-0.028 χ^2/NDF: 421978.6/47



Right In: -124.106+/-0.779 χ^2/NDF: 3431.7/20

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

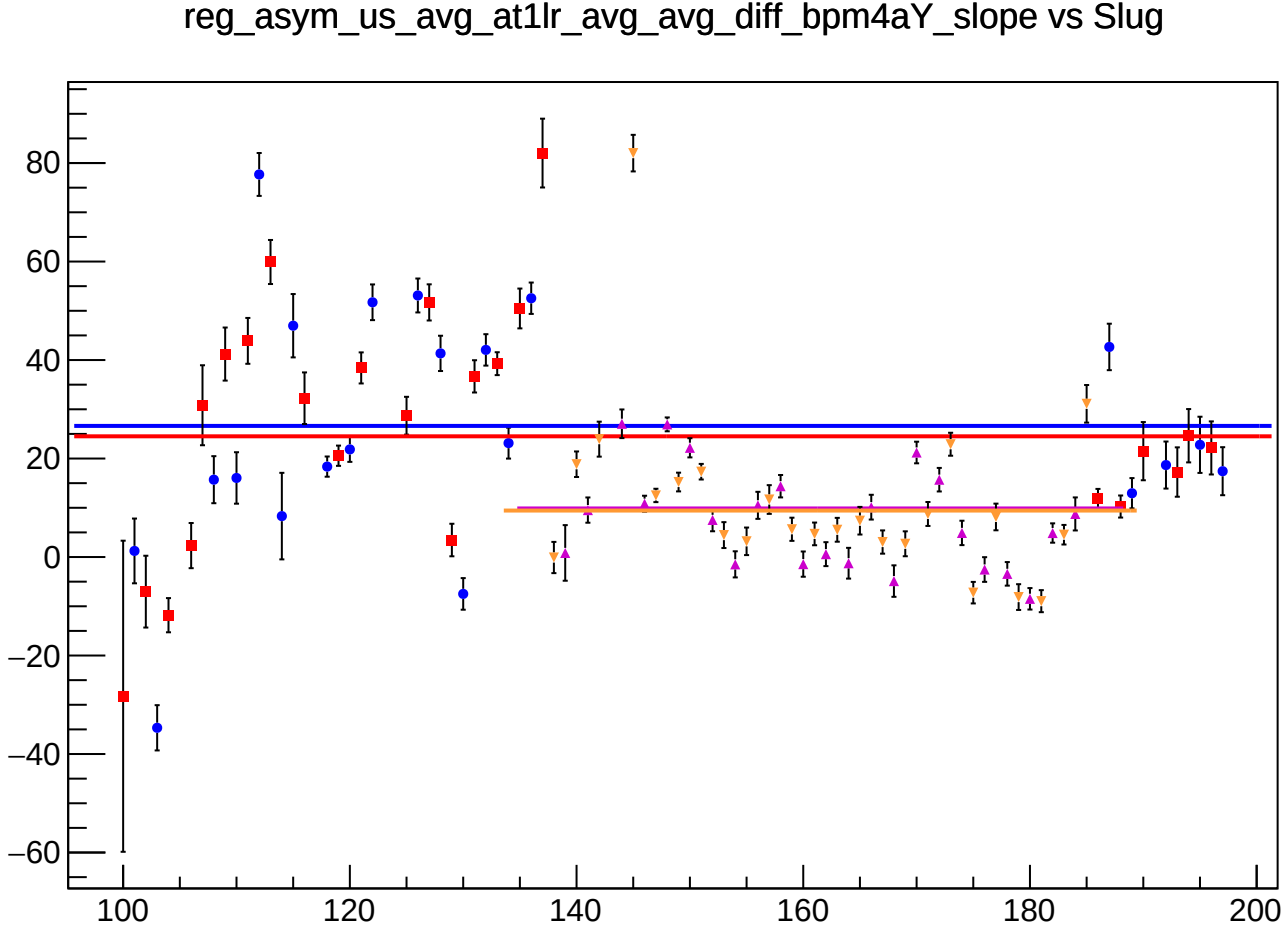
Right Out: -123.439+/-0.673 χ^2/NDF: 5776.8/23

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

+ sign -107.235+/-0.492 χ^2/NDF: 6983.5/44

All: -108.652+/-0.337 χ^2/NDF: 16186.1/91

- sign -109.906+/-0.463 χ^2/NDF: 9187.0/46



Right In: 26.626+/-0.807 χ^2/NDF: 739.7/20

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

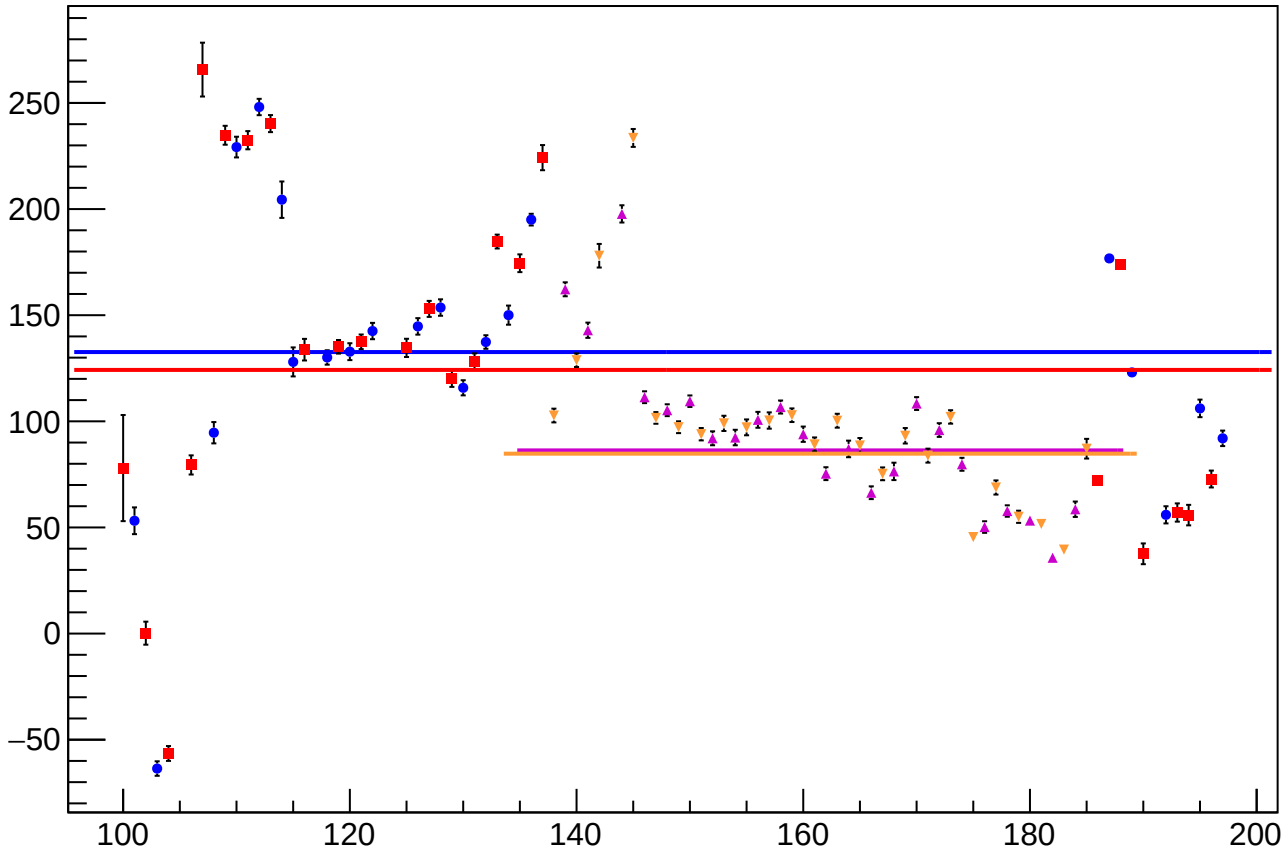
Right Out: 24.513+/-0.737 χ^2/NDF: 611.7/23

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.901+/-0.411 χ^2/NDF: 1811.8/44

All: 14.109+/-0.289 χ^2/NDF: 3184.5/91

- sign 14.312+/-0.406 χ^2/NDF: 1372.2/46



Right In: 132.637+/-0.802 χ^2/NDF: 6359.4/20

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

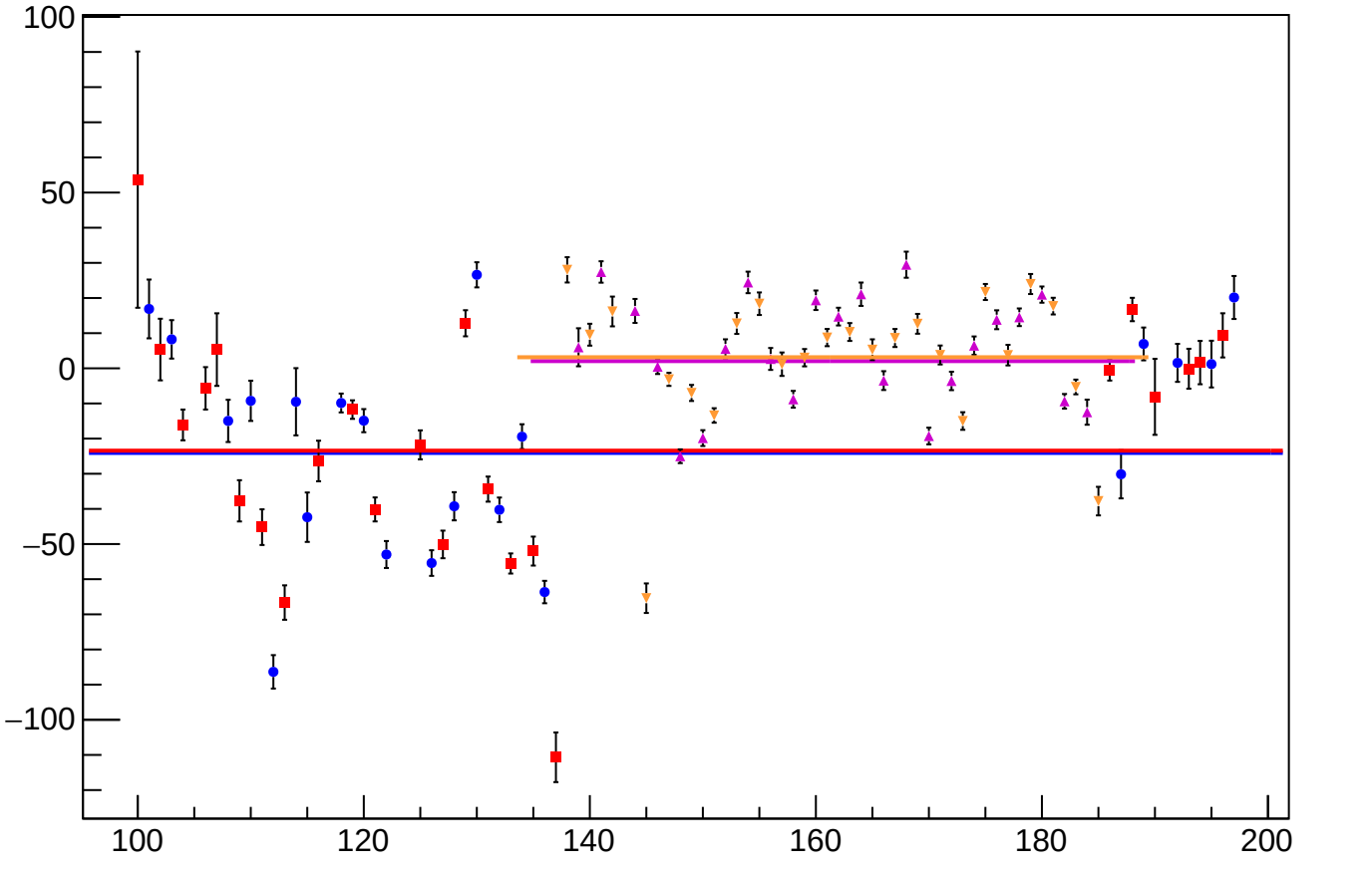
Right Out: 124.217+/-0.651 χ^2/NDF: 10282.8/23

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 102.997+/-0.495 χ^2/NDF: 11675.9/44

All: 103.921+/-0.334 χ^2/NDF: 26865.3/91

\- sign 104.697+/-0.453 χ^2/NDF: 15182.9/46



Right In: -24.073+/-0.950 χ^2/NDF: 941.4/20

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

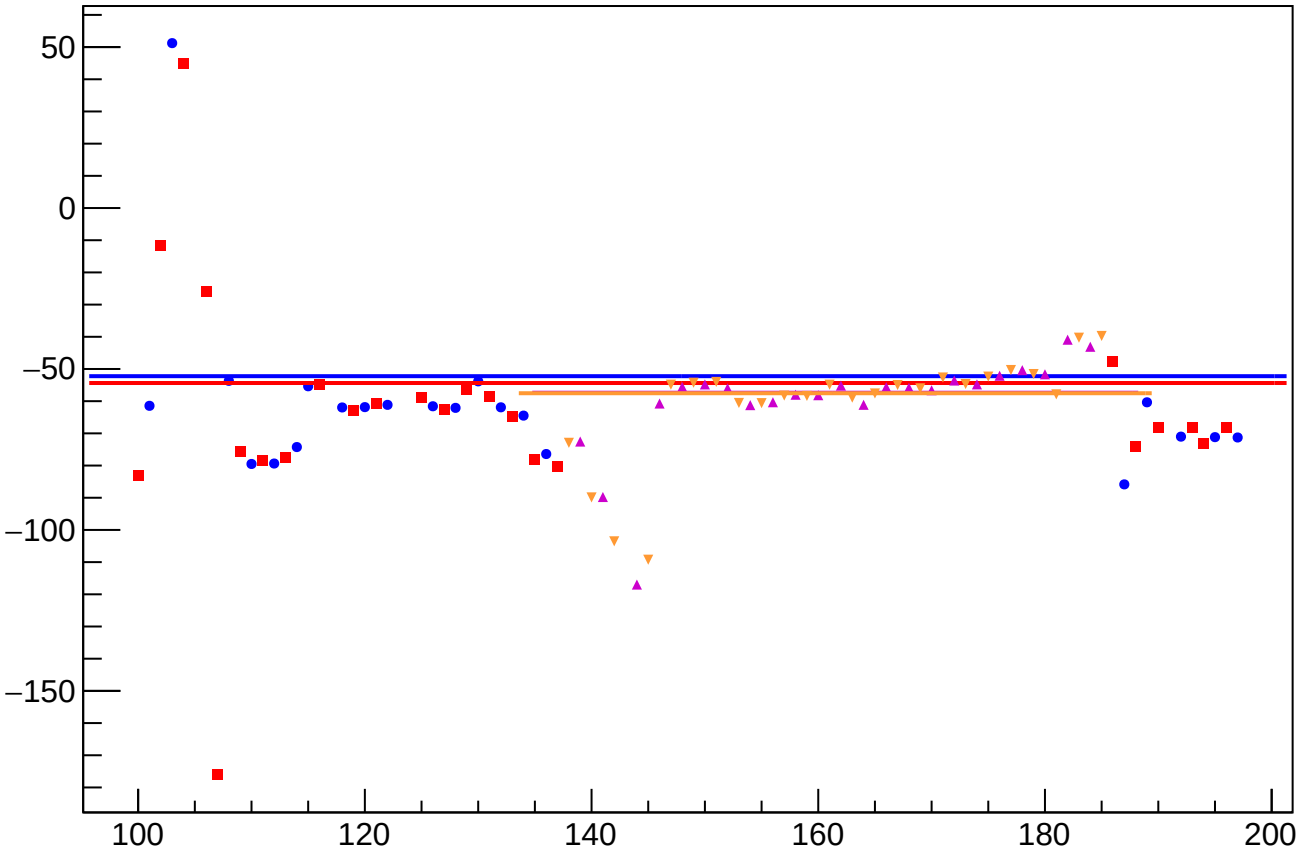
Right Out: -23.433+/-0.898 χ^2/NDF: 925.7/23

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.565+/-0.472 χ^2/NDF: 2373.8/44

All: -4.248+/-0.333 χ^2/NDF: 4739.8/91

\- sign -4.925+/-0.470 χ^2/NDF: 2361.9/46



Right In: -52.235+/-0.051 χ^2/NDF: 627736.9/20

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -54.356+/-0.049 χ^2/NDF: 549452.1/23

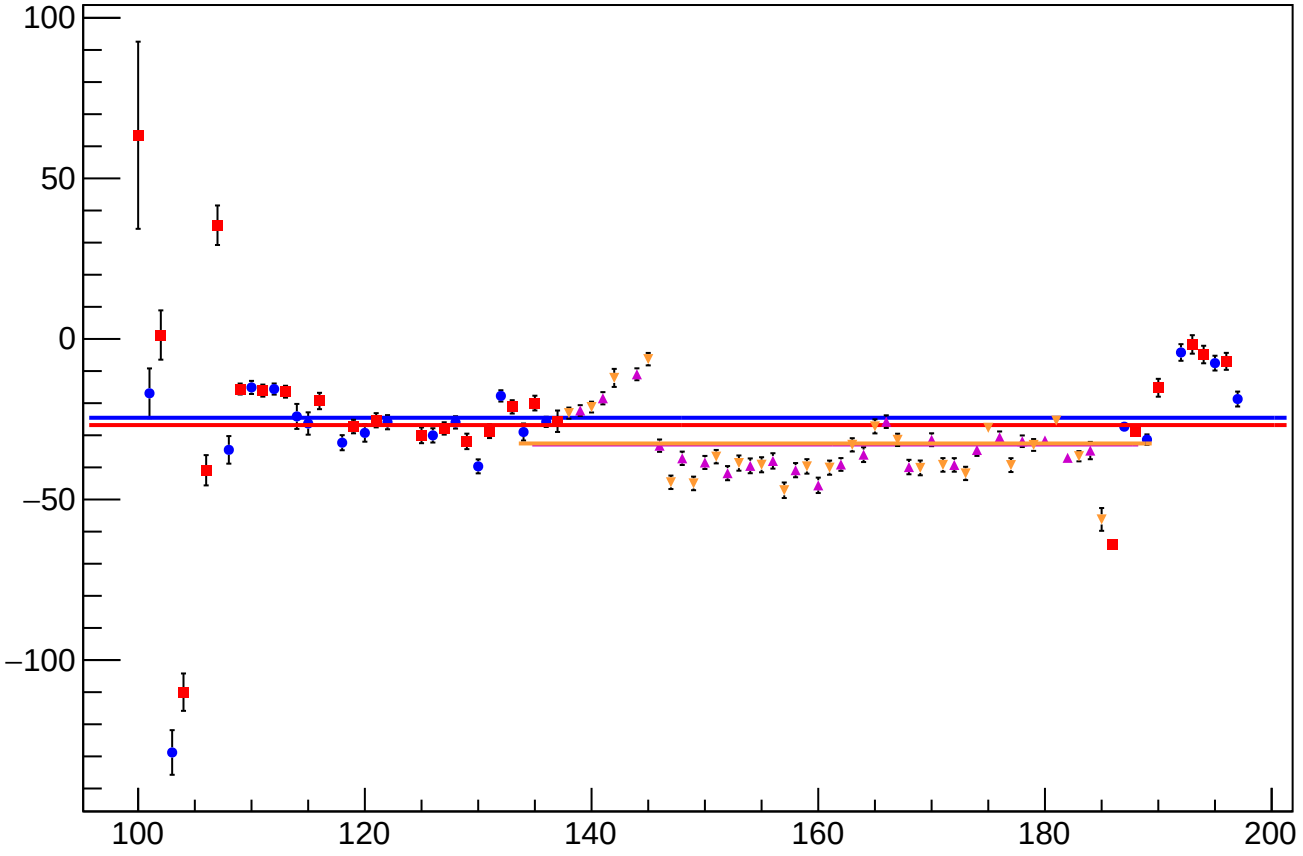
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -56.510+/-0.022 χ^2/NDF: 903592.1/44

All: -56.641+/-0.016 χ^2/NDF: 1683244.9/91

- sign -56.769+/-0.022 χ^2/NDF: 779584.8/46

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -24.544+/-0.484 χ^2/NDF: 510.8/20

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

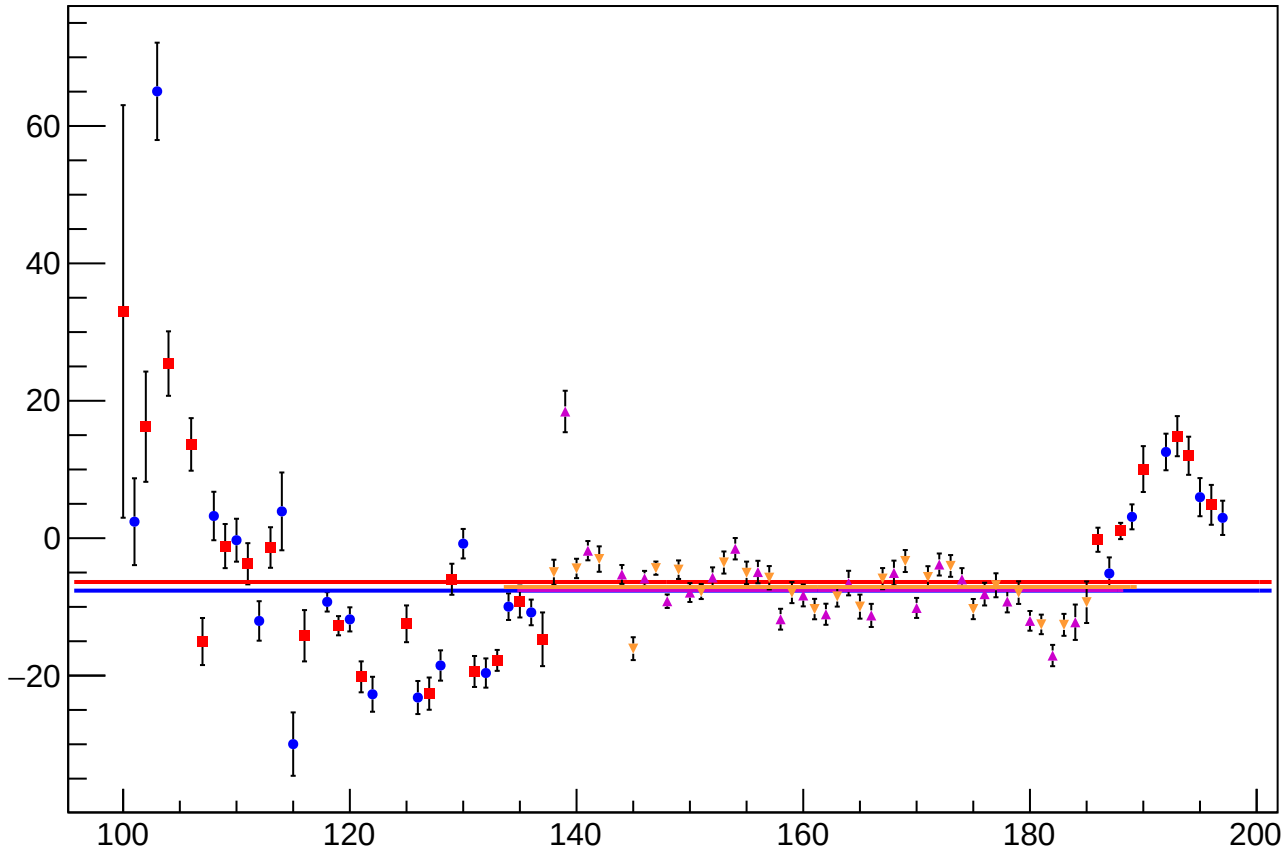
Right Out: -26.820+/-0.431 χ^2/NDF: 1386.4/23

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -29.241+/-0.311 χ^2/NDF: 1274.6/44

All: -29.631+/-0.215 χ^2/NDF: 3140.1/91

- sign -29.987+/-0.298 χ^2/NDF: 1862.6/46



Right In: -7.636+/-0.520 χ^2/NDF: 443.0/20

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -6.376+/-0.488 χ^2/NDF: 494.4/23

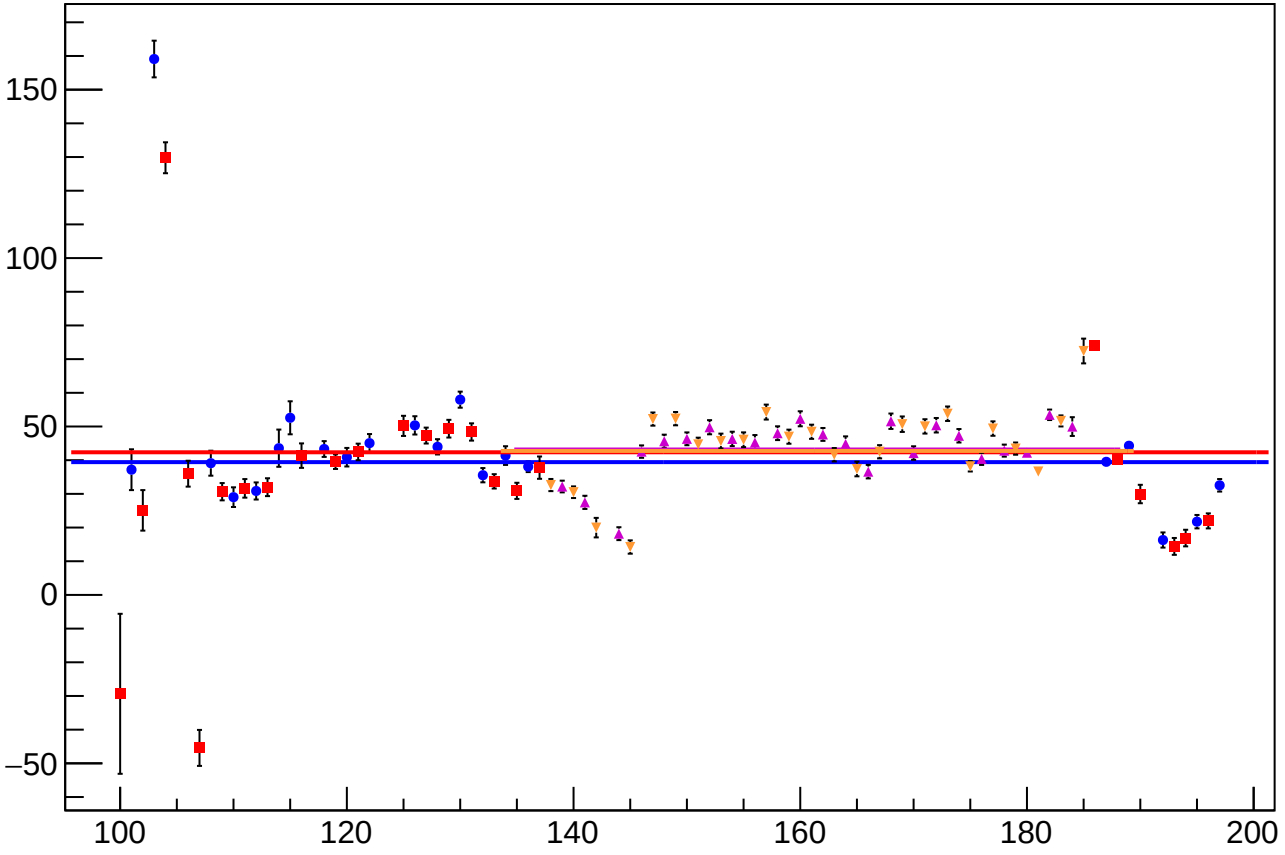
Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.247+/-0.266 χ^2/NDF: 553.2/44

All: -7.224+/-0.188 χ^2/NDF: 1251.4/91

- sign -7.202+/-0.265 χ^2/NDF: 698.2/46

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: 39.423+/-0.489 χ^2/NDF: 818.2/20

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

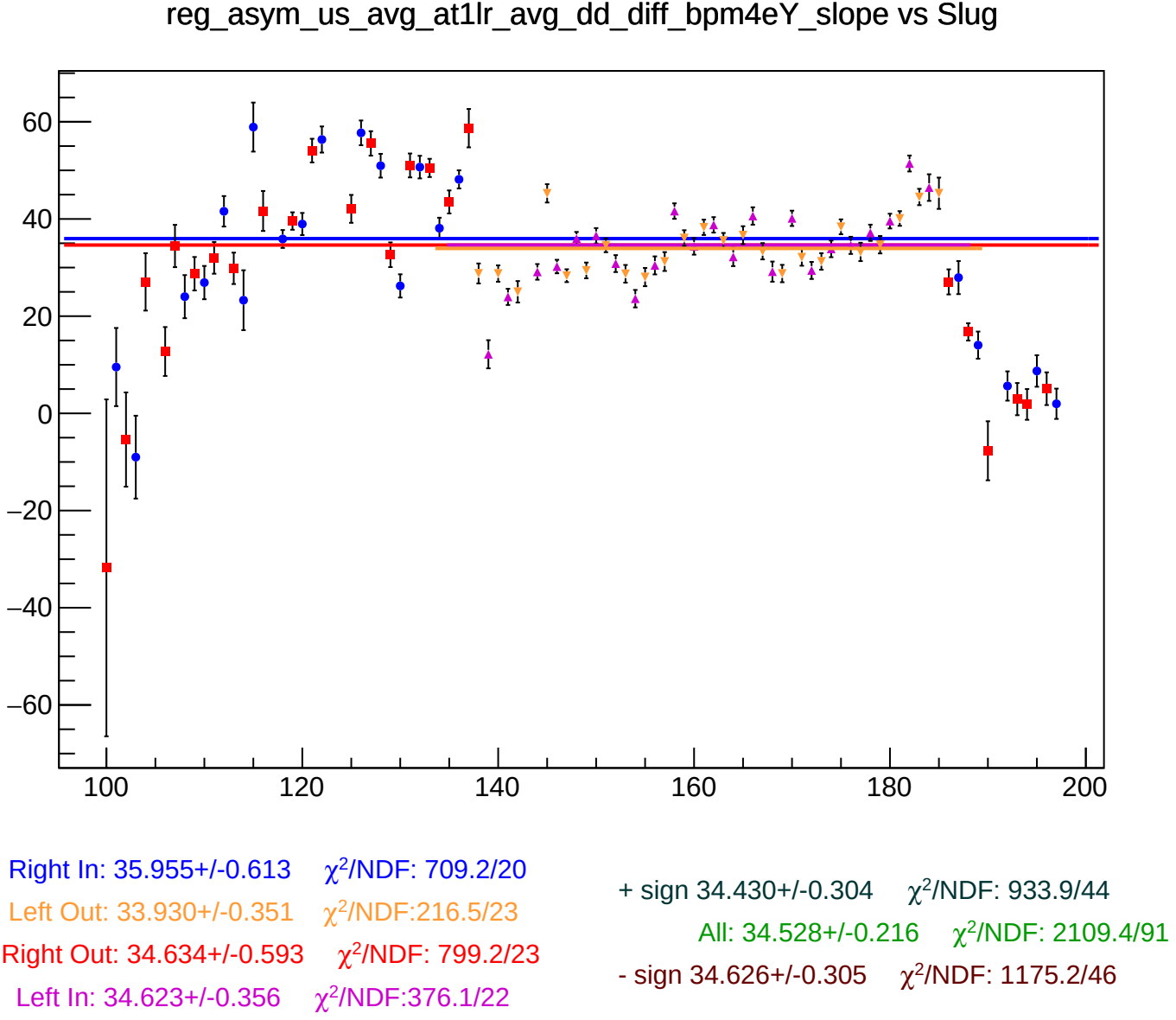
Right Out: 42.345+/-0.418 χ^2/NDF: 1906.6/23

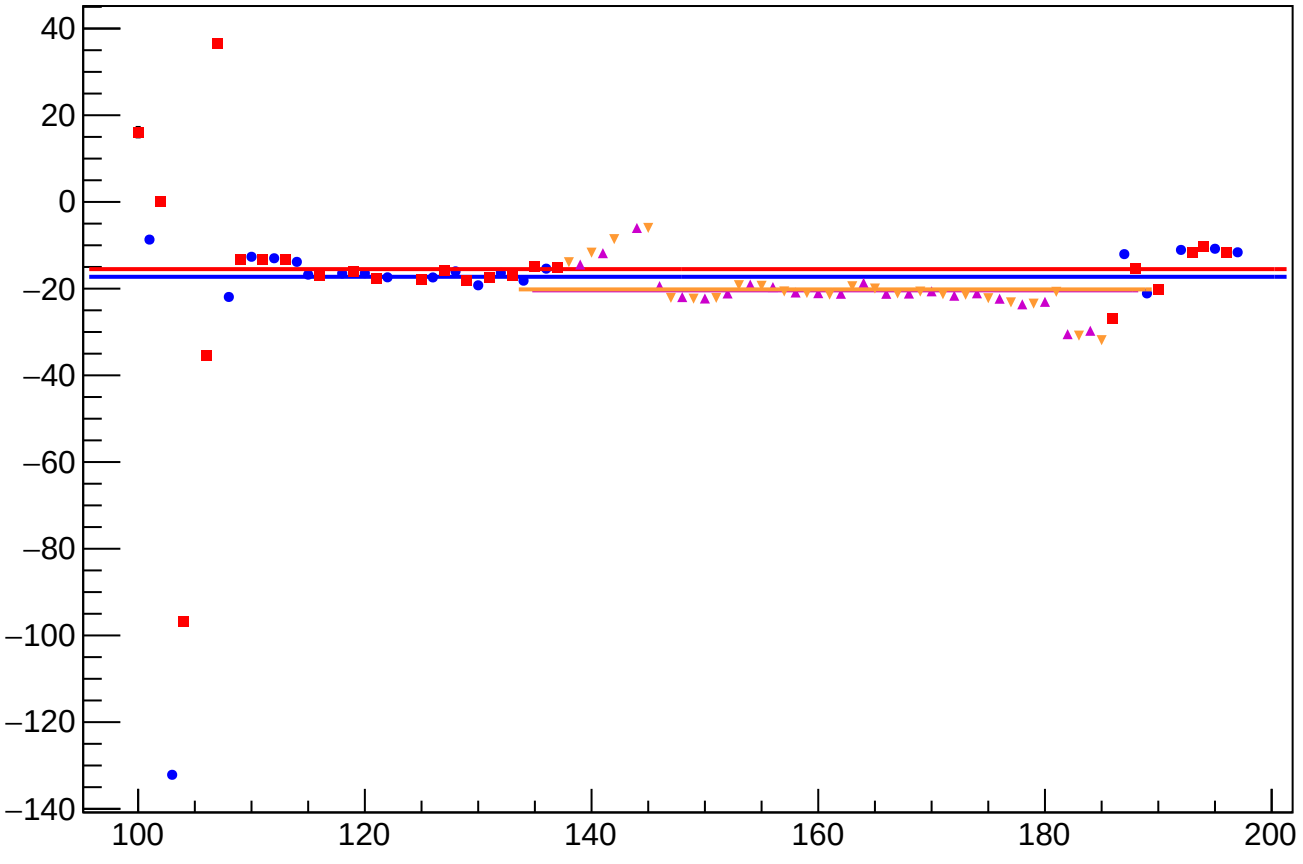
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 41.400+/-0.311 χ^2/NDF: 1477.2/44

All: 42.128+/-0.213 χ^2/NDF: 3809.1/91

- sign 42.768+/-0.292 χ^2/NDF: 2321.6/46


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 35.955+/-0.613 χ²/NDF: 709.2/20
Left Out: 33.930+/-0.351 χ²/NDF:216.5/23
Right Out: 34.634+/-0.593 χ²/NDF: 799.2/23
Left In: 34.623+/-0.356 χ²/NDF:376.1/22
+ sign 34.430+/-0.304 χ²/NDF: 933.9/44
All: 34.528+/-0.216 χ²/NDF: 2109.4/91
- sign 34.626+/-0.305 χ²/NDF: 1175.2/46



Right In: -17.269+/-0.032 χ^2/NDF: 264234.3/20

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.497+/-0.032 χ^2/NDF: 216587.9/23

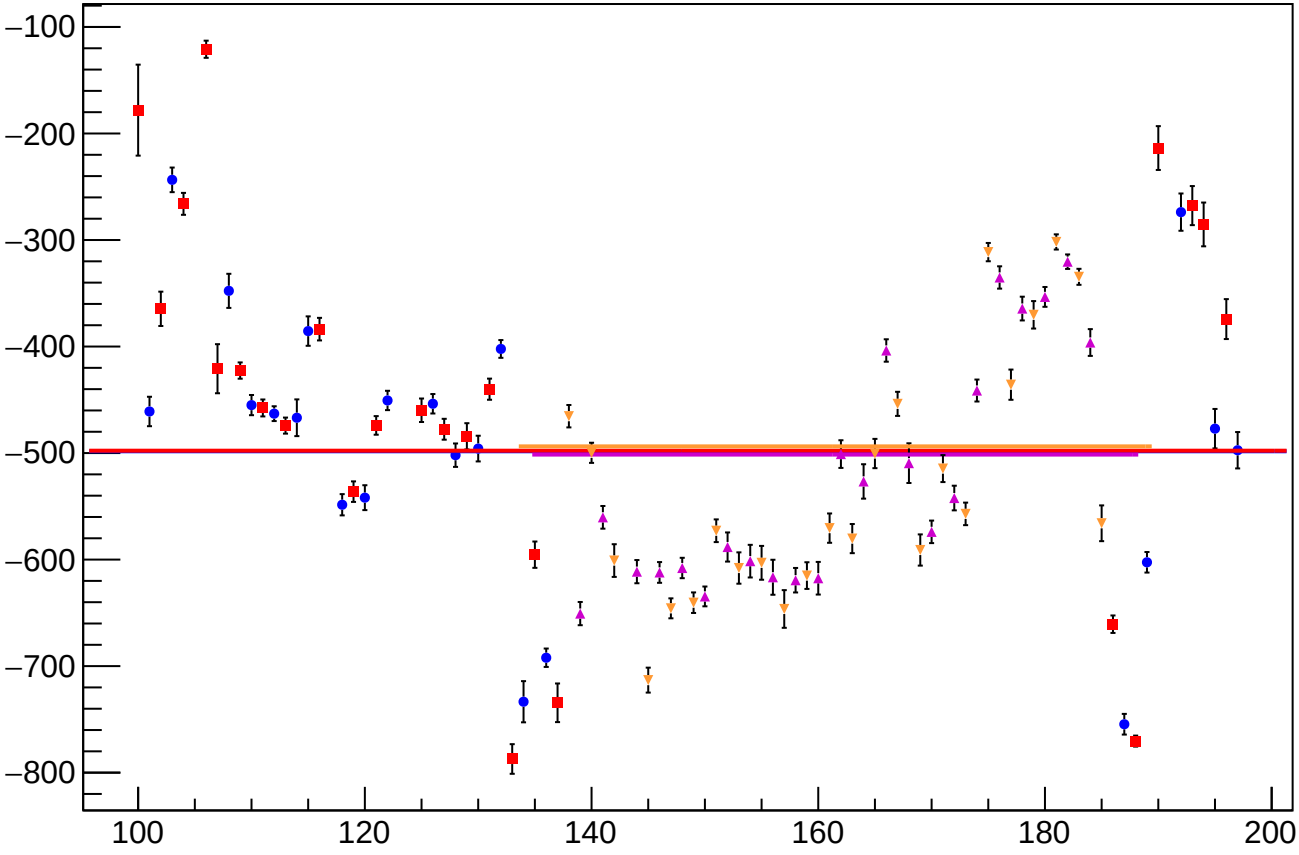
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.615+/-0.014 χ^2/NDF: 370705.9/44

All: -19.523+/-0.010 χ^2/NDF: 687489.9/91

- sign -19.432+/-0.014 χ^2/NDF: 316700.6/46

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -498.323+/-2.389 χ^2/NDF: 2554.1/20

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

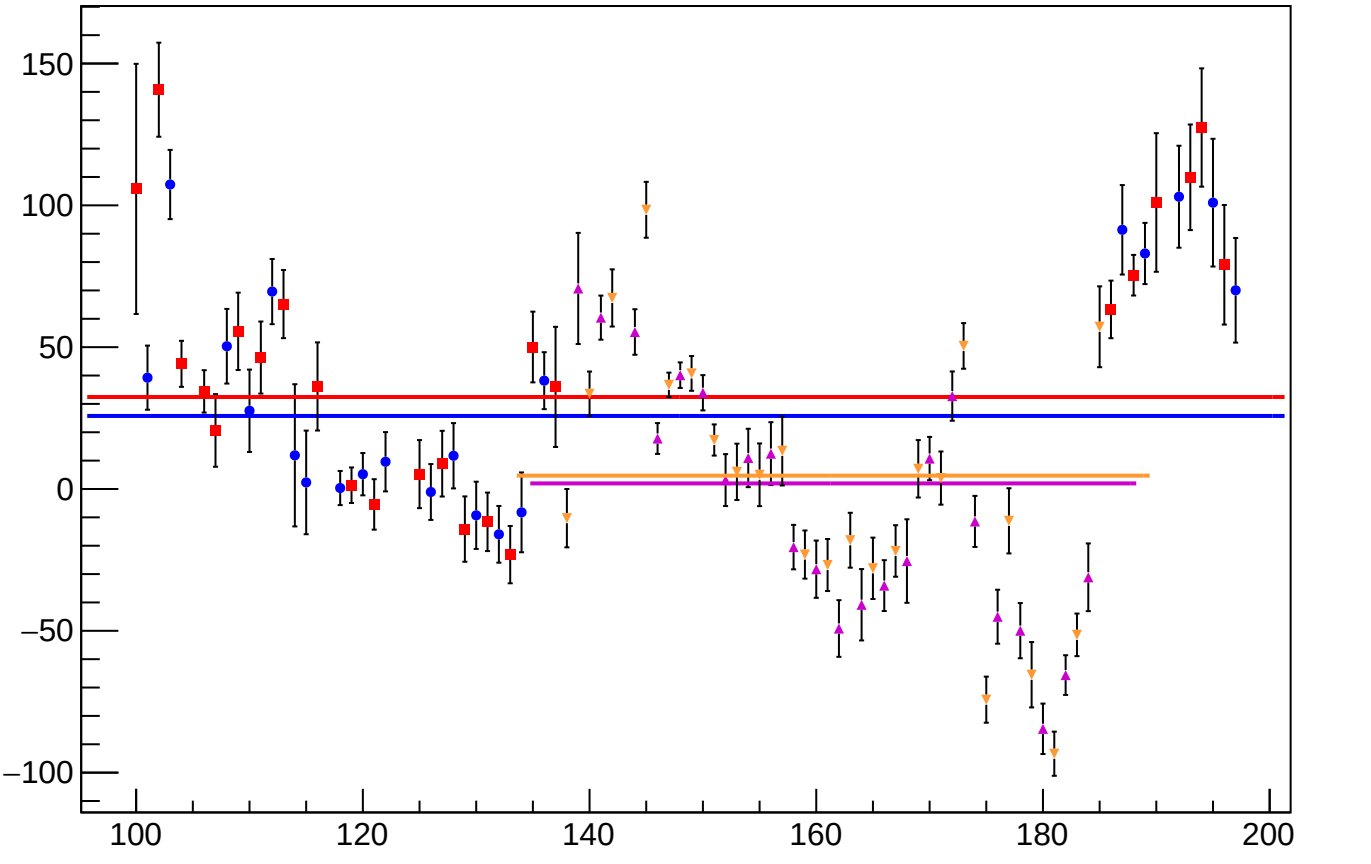
Right Out: -497.780+/-2.096 χ^2/NDF: 7502.8/23

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -495.930+/-1.655 χ^2/NDF: 5706.0/44

All: -497.793+/-1.132 χ^2/NDF: 15901.9/91

- sign -499.429+/-1.551 χ^2/NDF: 10193.5/46



Right In: 25.751+/-2.480 χ^2/NDF: 217.3/20

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

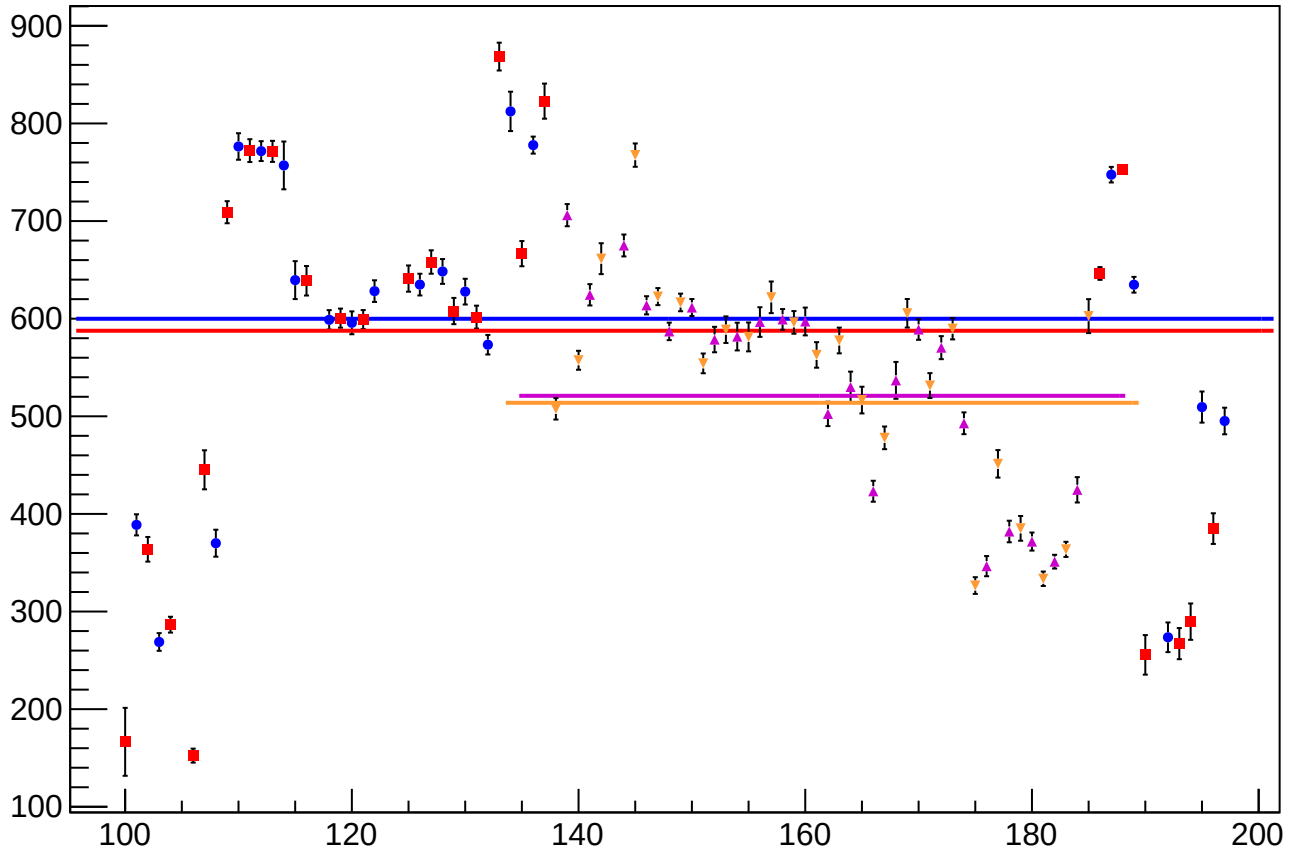
Right Out: 32.434+/-2.280 χ^2/NDF: 275.0/23

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 11.411+/-1.400 χ^2/NDF: 946.6/44

All: 12.237+/-0.981 χ^2/NDF: 1896.8/91

- sign 13.034+/-1.374 χ^2/NDF: 949.5/46



Right In: 599.918+/-2.490 χ^2/NDF: 3974.7/20

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

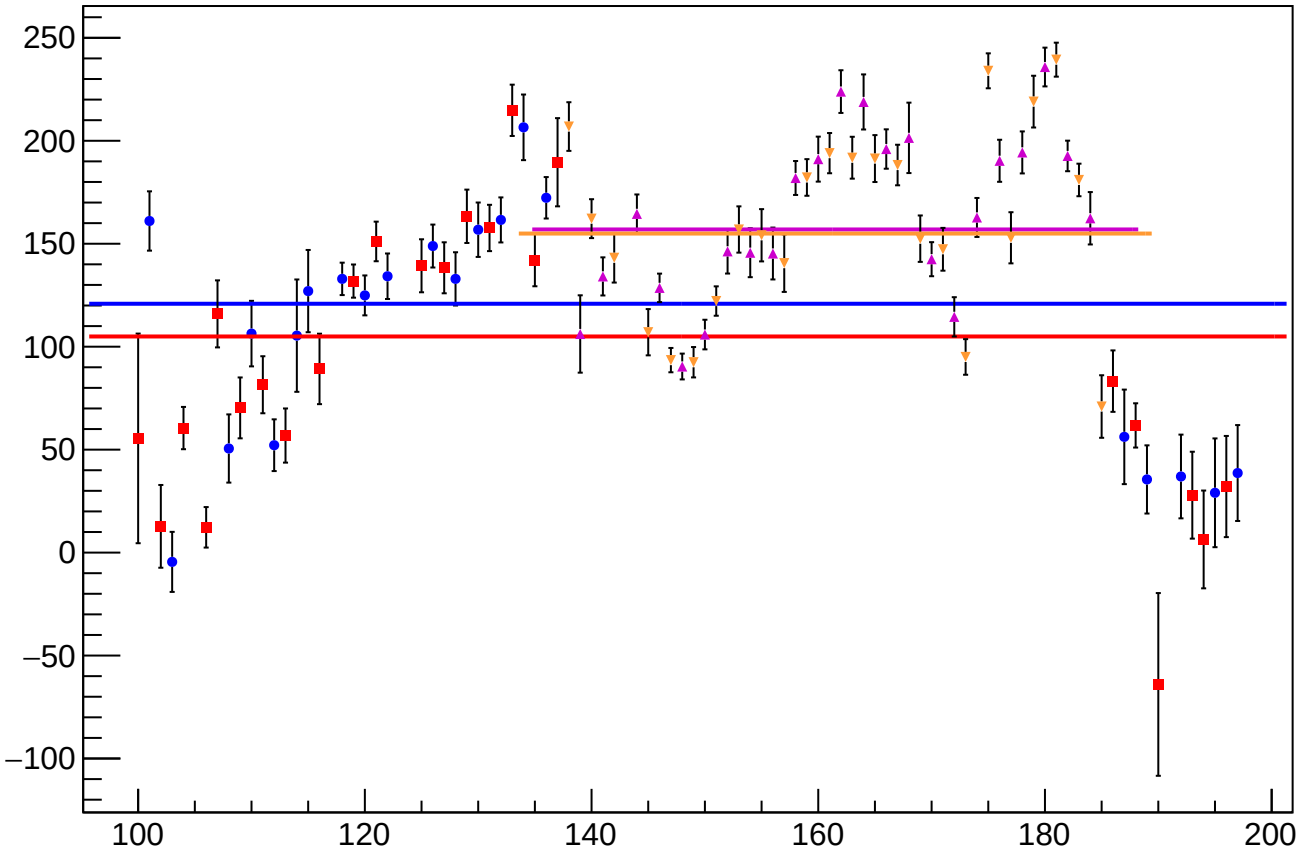
Right Out: 587.647+/-2.097 χ^2/NDF: 9652.5/23

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 553.029+/-1.680 χ^2/NDF: 7361.1/44

All: 555.262+/-1.137 χ^2/NDF: 19921.9/91

- sign 557.149+/-1.544 χ^2/NDF: 12557.6/46



Right In: 120.854+/-2.928 χ^2/NDF: 295.3/20

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

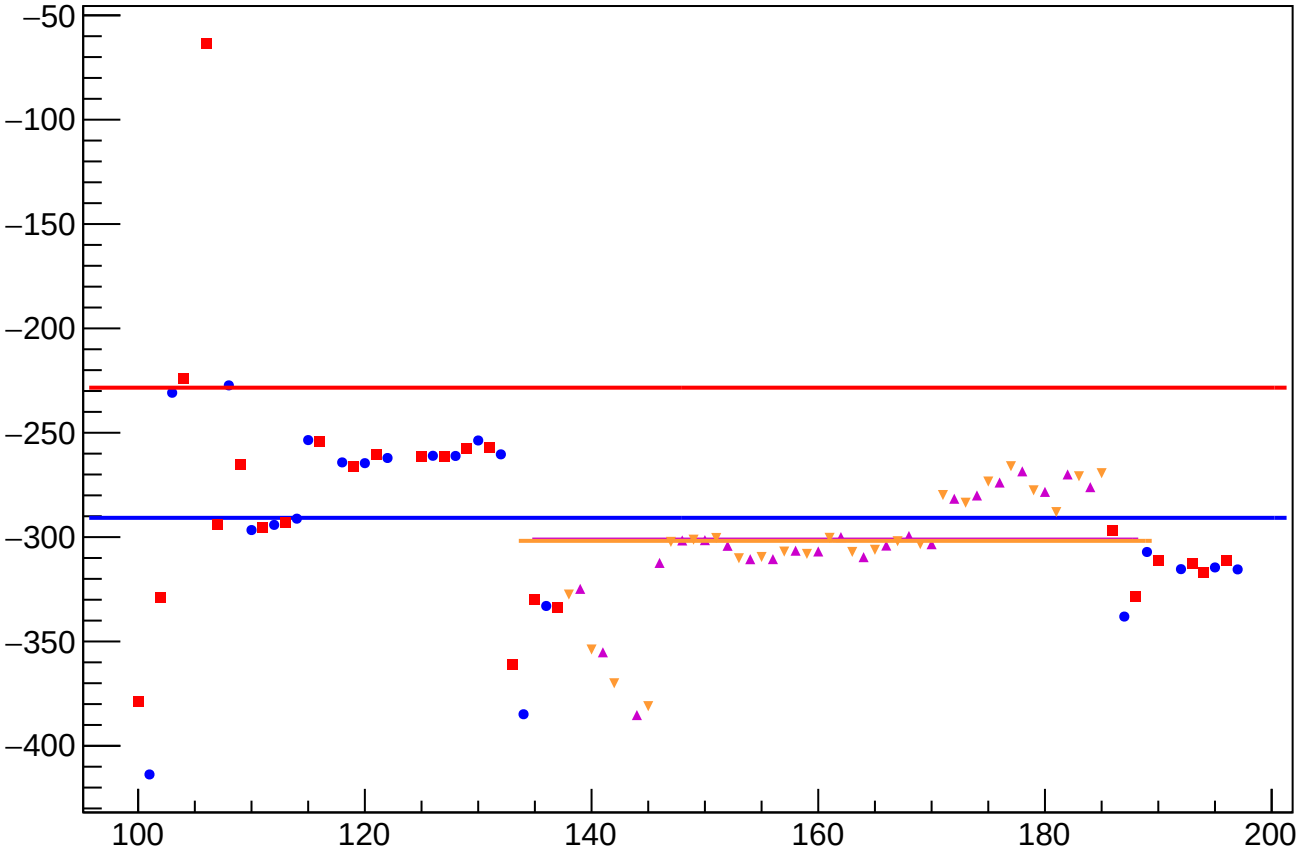
Right Out: 104.962+/-2.750 χ^2/NDF: 417.4/23

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 144.449+/-1.625 χ^2/NDF: 998.1/44

All: 141.835+/-1.141 χ^2/NDF: 2099.8/91

- sign 139.294+/-1.602 χ^2/NDF: 1096.5/46



Right In: -290.761+/-0.159 χ^2/NDF: 110591.0/20

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

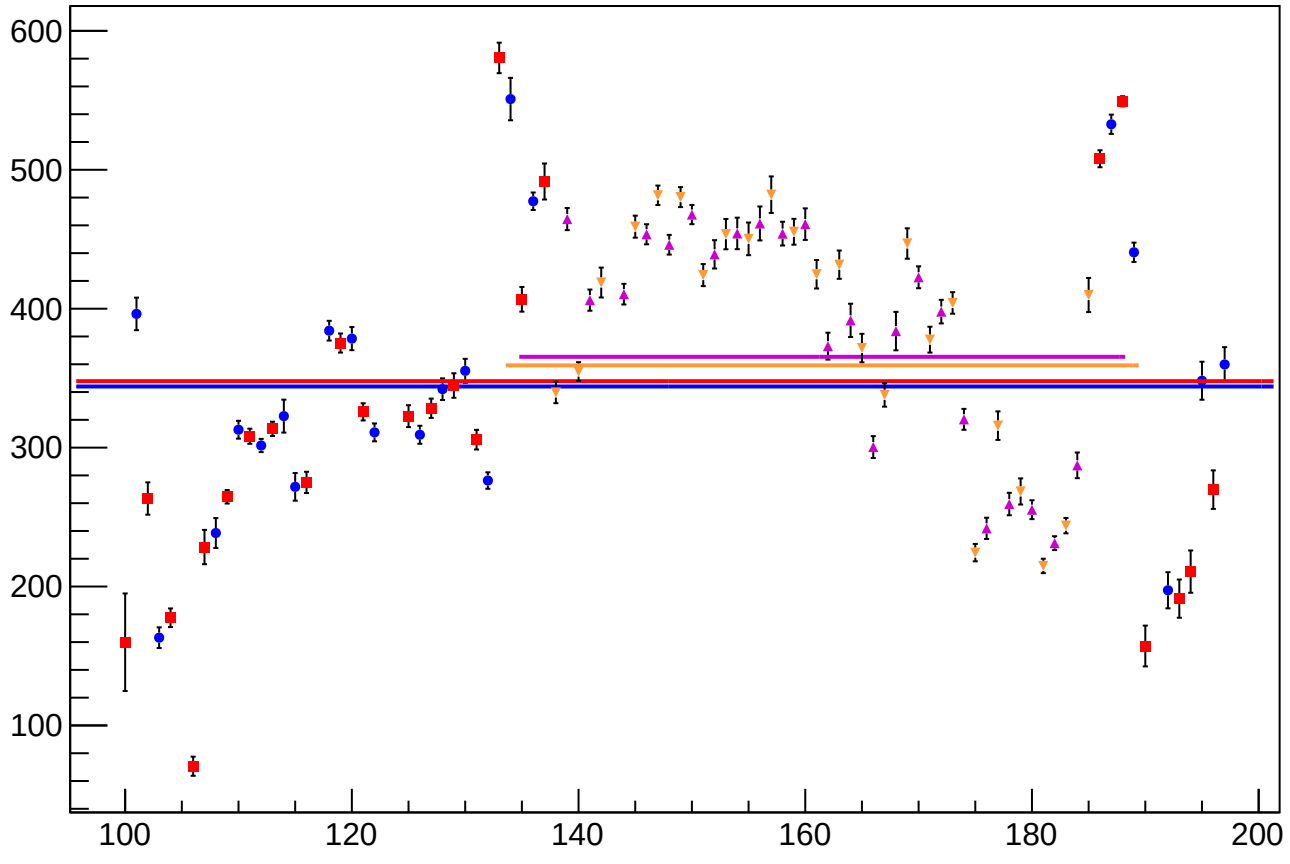
Right Out: -228.398+/-0.134 χ^2/NDF: 638087.2/23

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.078+/-0.079 χ^2/NDF: 200931.9/44

All: -288.263+/-0.054 χ^2/NDF: 1153233.5/91

- sign -278.551+/-0.075 χ^2/NDF: 916602.4/46



Right In: 344.001+/-1.692 χ^2/NDF: 2798.1/20

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

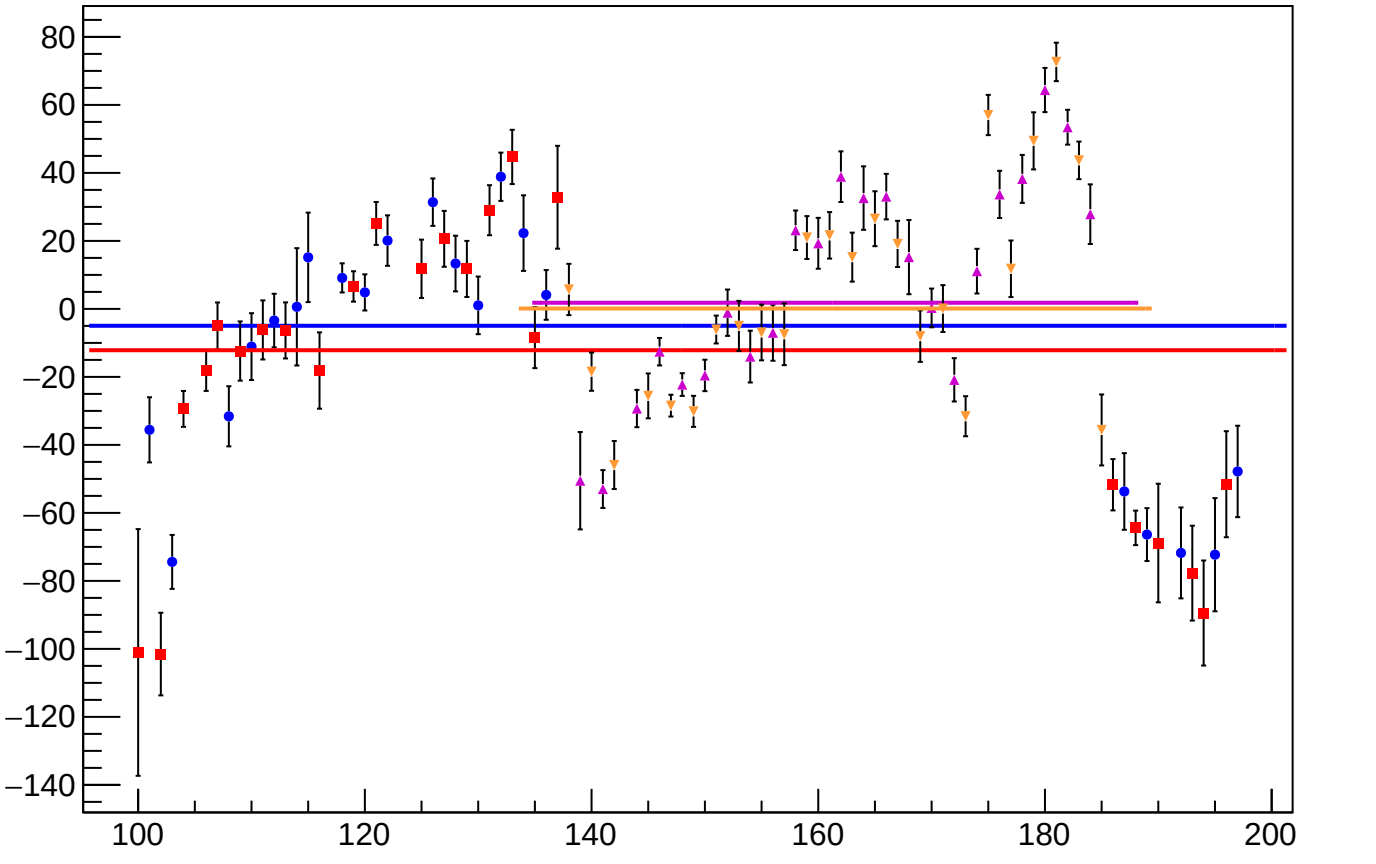
Right Out: 347.834+/-1.485 χ^2/NDF: 7763.8/23

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 351.644+/-1.193 χ^2/NDF: 6026.5/44

All: 353.676+/-0.815 χ^2/NDF: 16595.9/91

- sign 355.456+/-1.116 χ^2/NDF: 10563.9/46



Right In: -4.962+/-1.772 χ^2/NDF: 335.2/20

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

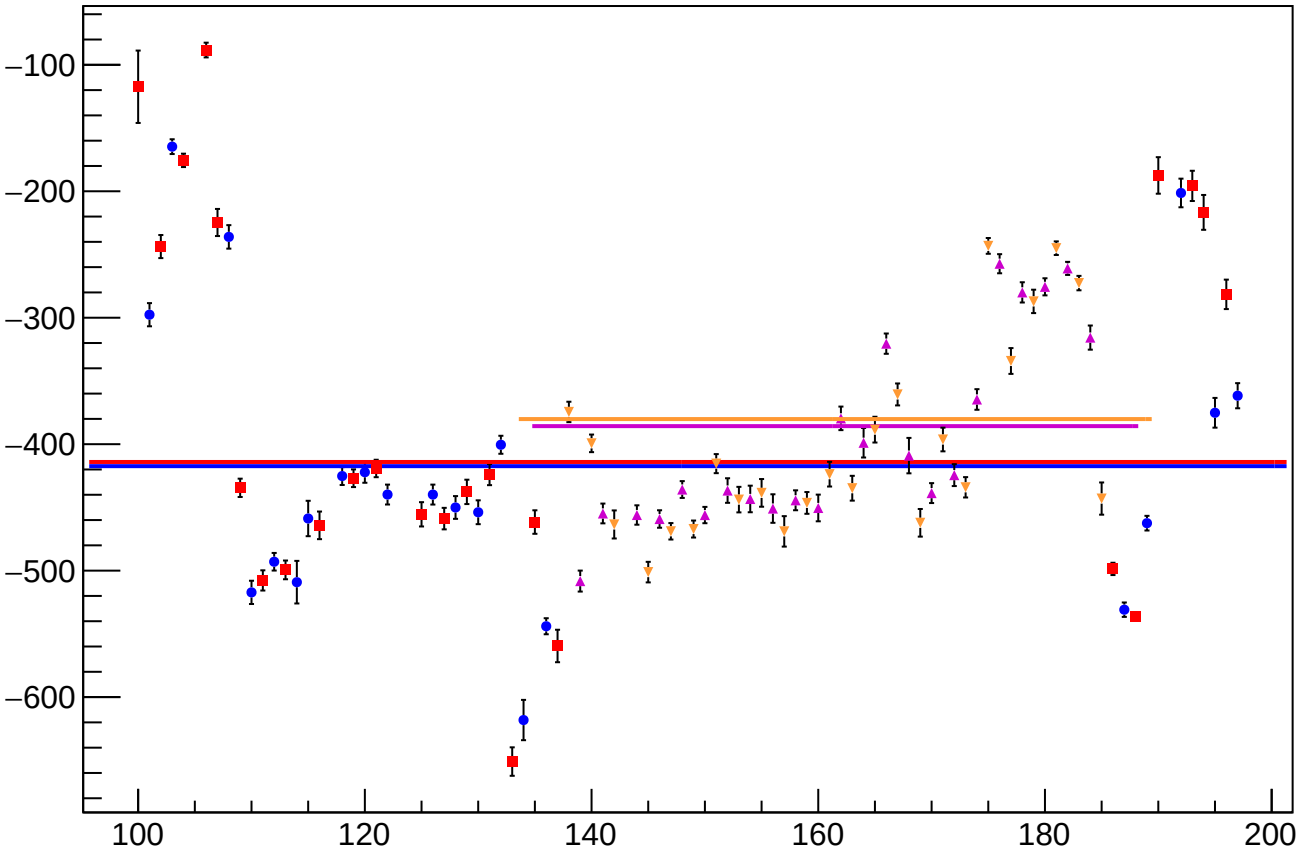
Right Out: -12.155+/-1.612 χ^2/NDF: 447.5/23

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -1.567+/-1.020 χ^2/NDF: 978.6/44

All: -2.567+/-0.713 χ^2/NDF: 2051.4/91

\- sign -3.521+/-0.996 χ^2/NDF: 1070.9/46



Right In: -417.384+/-1.773 χ^2/NDF: 4168.8/20

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

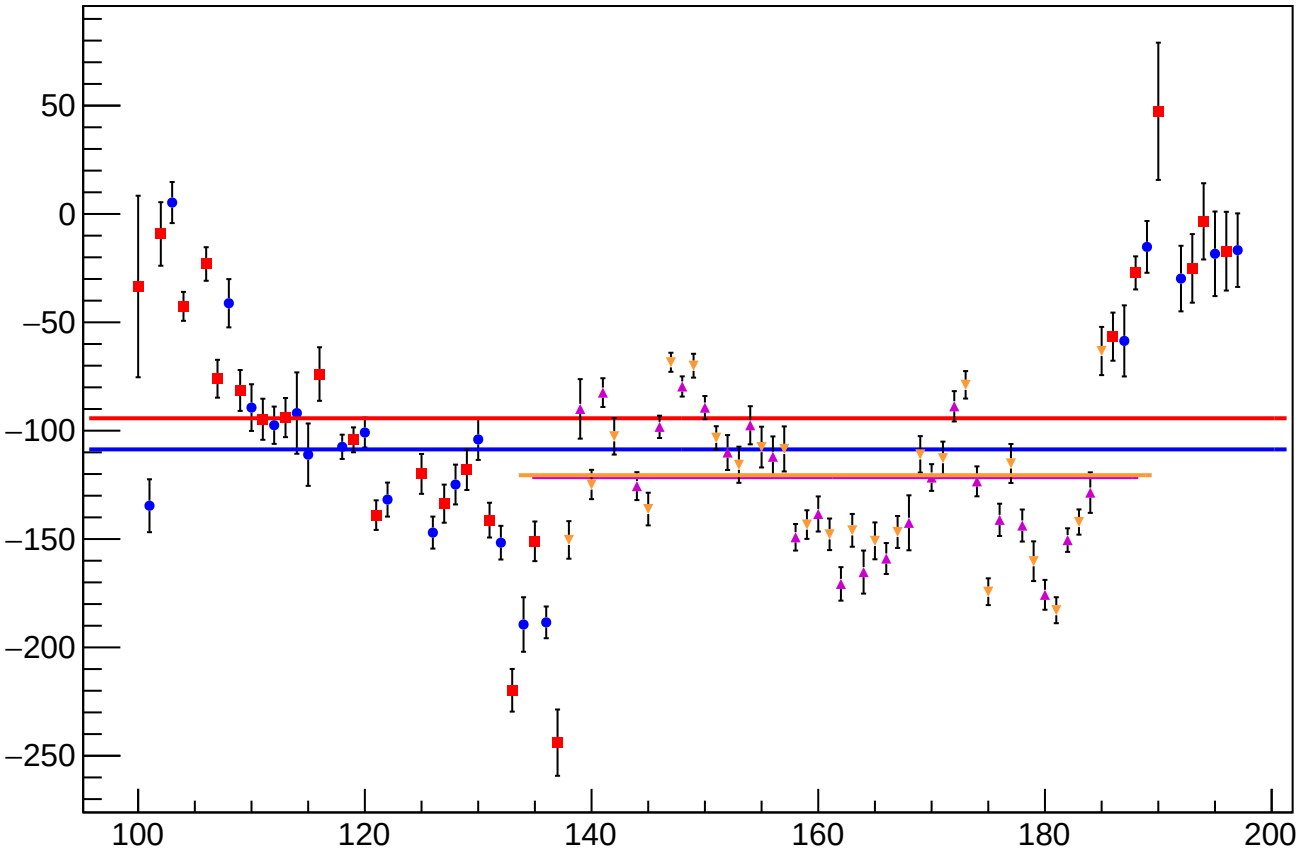
Right Out: -414.069+/-1.494 χ^2/NDF: 9836.1/23

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -397.651+/-1.215 χ^2/NDF: 7021.3/44

All: -399.755+/-0.822 χ^2/NDF: 19383.4/91

- sign -401.527+/-1.115 χ^2/NDF: 12356.6/46



Right In: -108.634+/-2.090 χ^2/NDF: 570.8/20

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

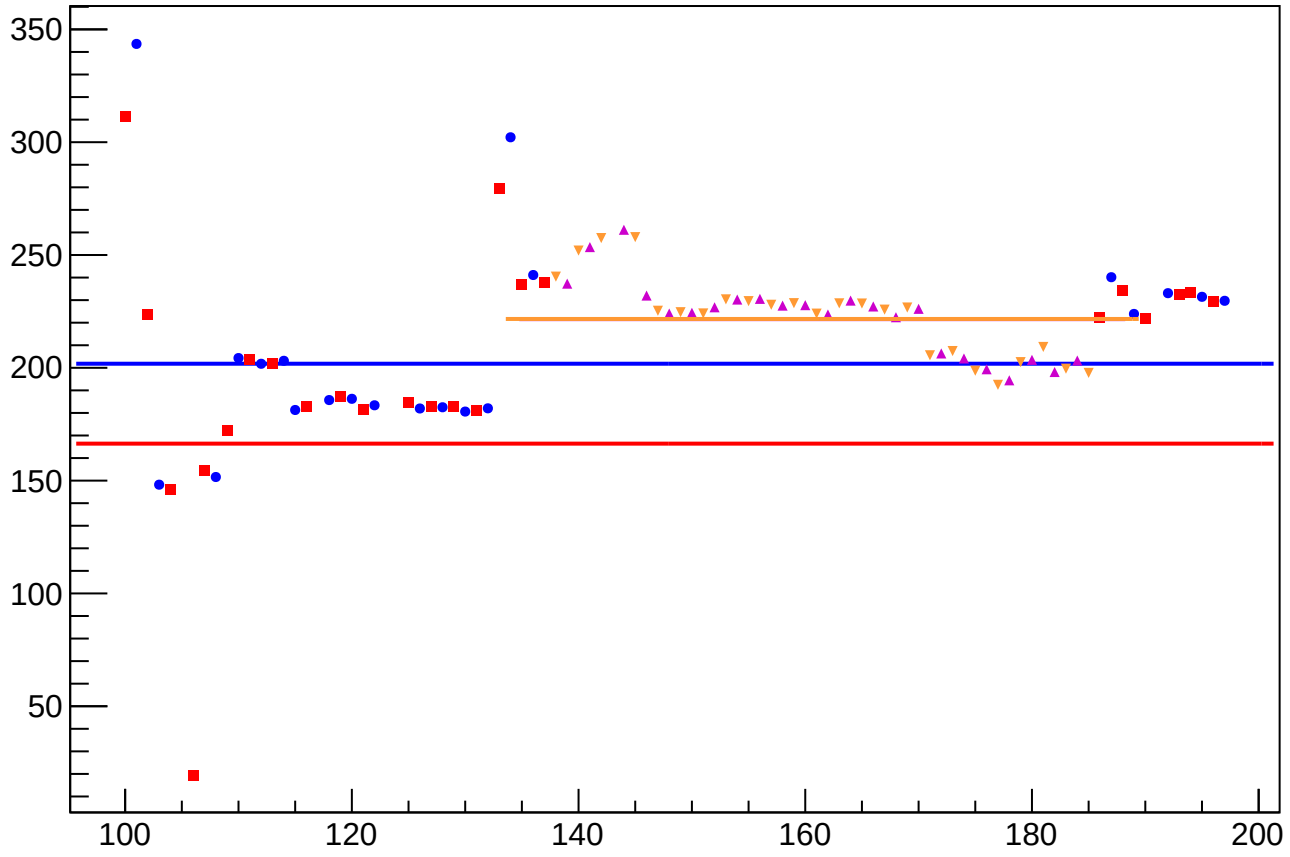
Right Out: -94.271+/-1.941 χ^2/NDF: 773.1/23

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -116.726+/-1.183 χ^2/NDF: 1204.4/44

All: -114.178+/-0.829 χ^2/NDF: 2545.0/91

- sign -111.722+/-1.162 χ^2/NDF: 1331.6/46



Right In: 201.813+/-0.113 χ^2/NDF: 191946.3/20

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

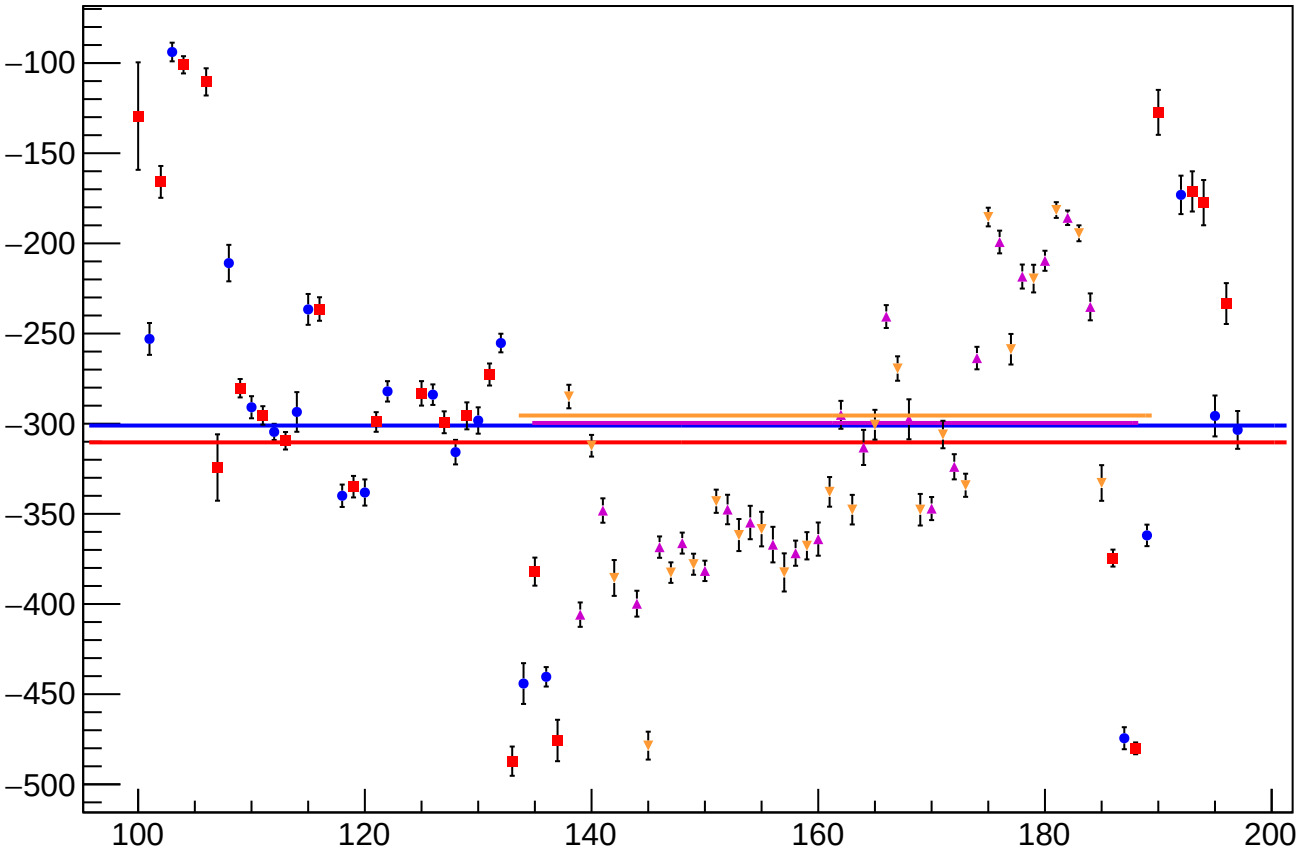
Right Out: 166.393+/-0.099 χ^2/NDF: 602133.7/23

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.504+/-0.057 χ^2/NDF: 282127.8/44

All: 210.267+/-0.040 χ^2/NDF: 1183636.0/91

- sign 204.527+/-0.055 χ^2/NDF: 878817.1/46



Right In: -301.023+/-1.465 χ^2/NDF: 3822.2/20

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -310.357+/-1.311 χ^2/NDF: 7342.9/23

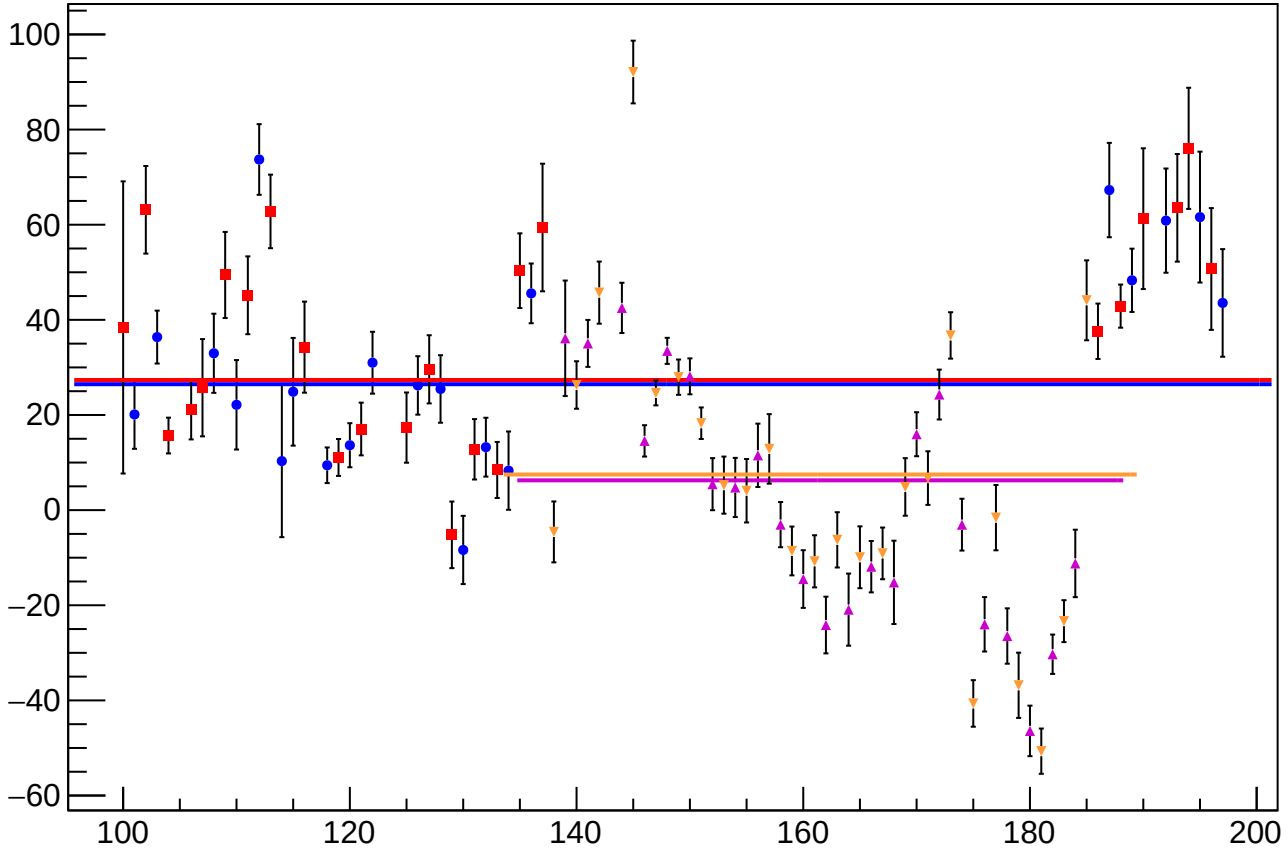
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -298.103+/-1.009 χ^2/NDF: 7176.1/44

All: -301.906+/-0.694 χ^2/NDF: 17549.3/91

- sign -305.316+/-0.956 χ^2/NDF: 10346.3/46

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 26.470+/-1.516 χ^2/NDF: 163.8/20

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 27.357+/-1.402 χ^2/NDF: 180.9/23

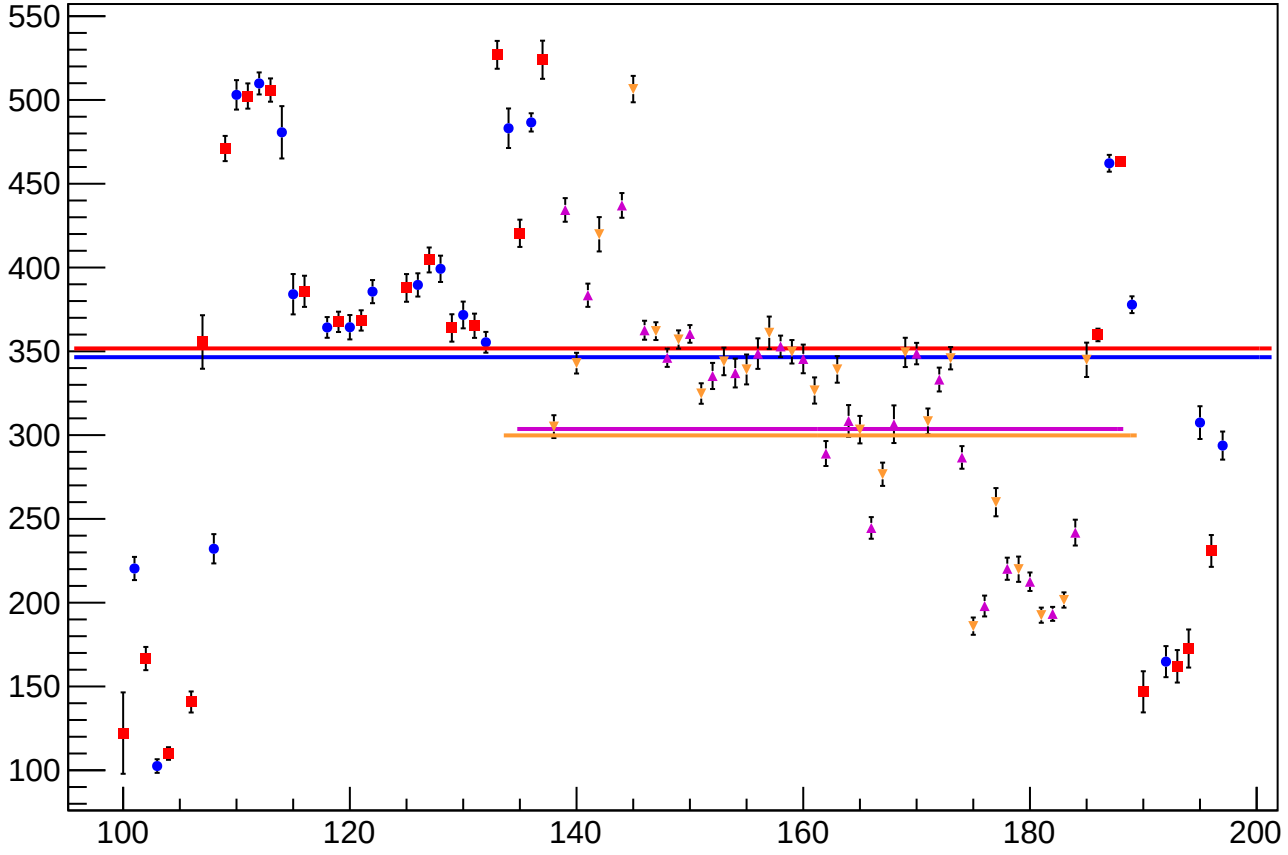
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 13.475+/-0.852 χ^2/NDF: 1009.6/44

All: 13.637+/-0.597 χ^2/NDF: 1895.5/91

- sign 13.794+/-0.838 χ^2/NDF: 885.9/46

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 346.498+/-1.502 χ^2/NDF: 7073.9/20

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

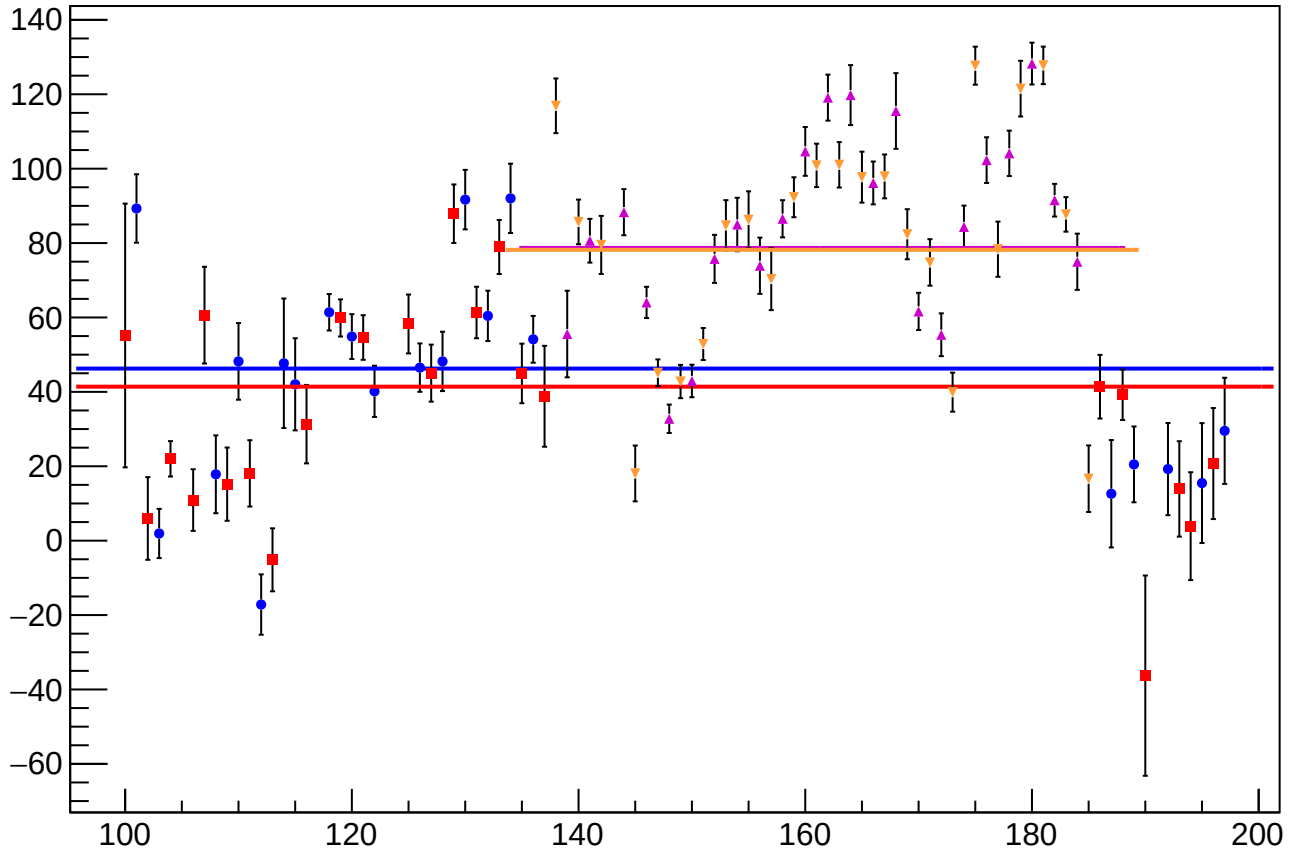
Right Out: 351.725+/-1.292 χ^2/NDF: 10908.1/23

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 321.204+/-1.017 χ^2/NDF: 10673.2/44

All: 325.565+/-0.692 χ^2/NDF: 25133.7/91

- sign 329.323+/-0.944 χ^2/NDF: 14426.2/46



Right In: 46.267+/-1.790 χ^2/NDF: 231.7/20

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

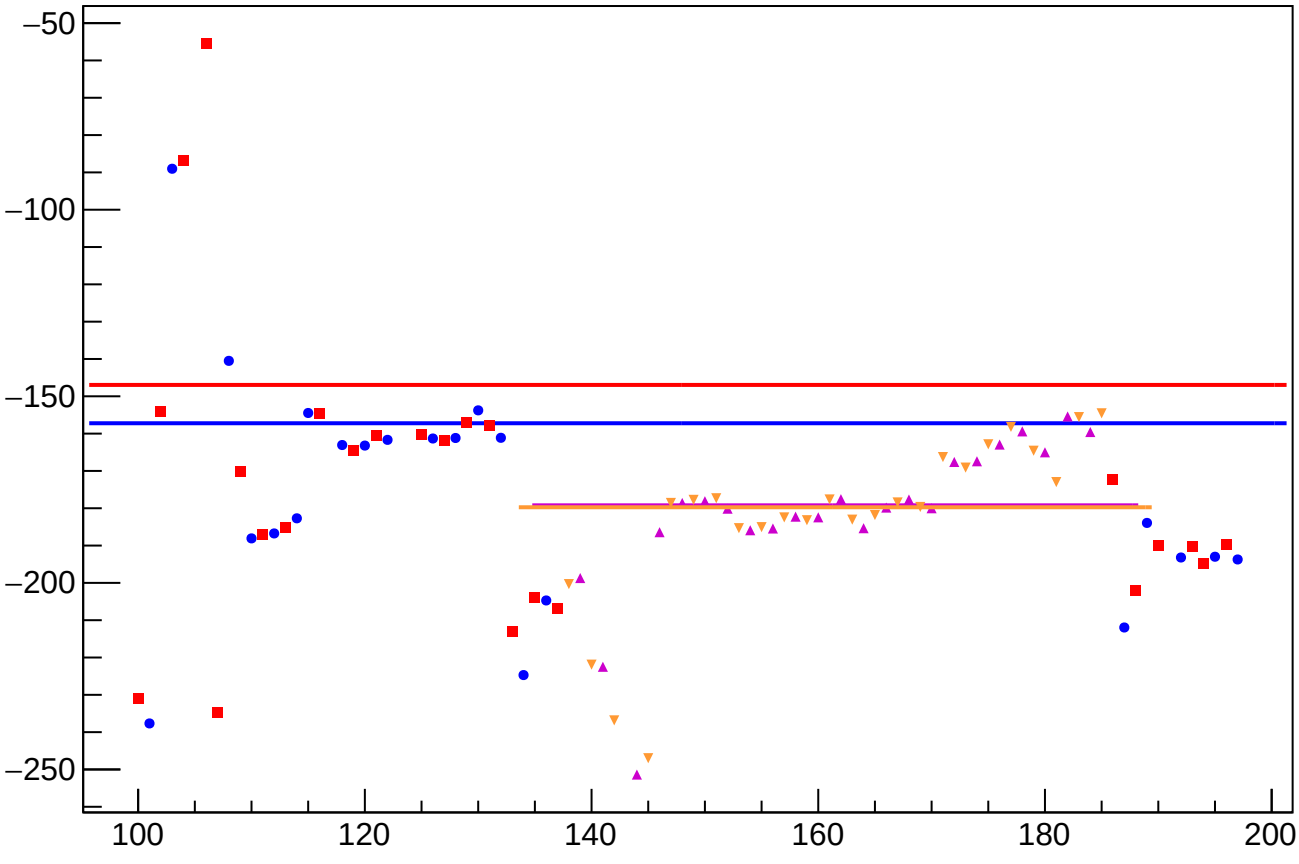
Right Out: 41.399+/-1.692 χ^2/NDF: 202.8/23

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 68.465+/-0.988 χ^2/NDF: 1116.1/44

All: 67.358+/-0.694 χ^2/NDF: 2134.1/91

- sign 66.277+/-0.976 χ^2/NDF: 1015.6/46



Right In: -157.221+/-0.092 χ^2/NDF: 289144.7/20

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

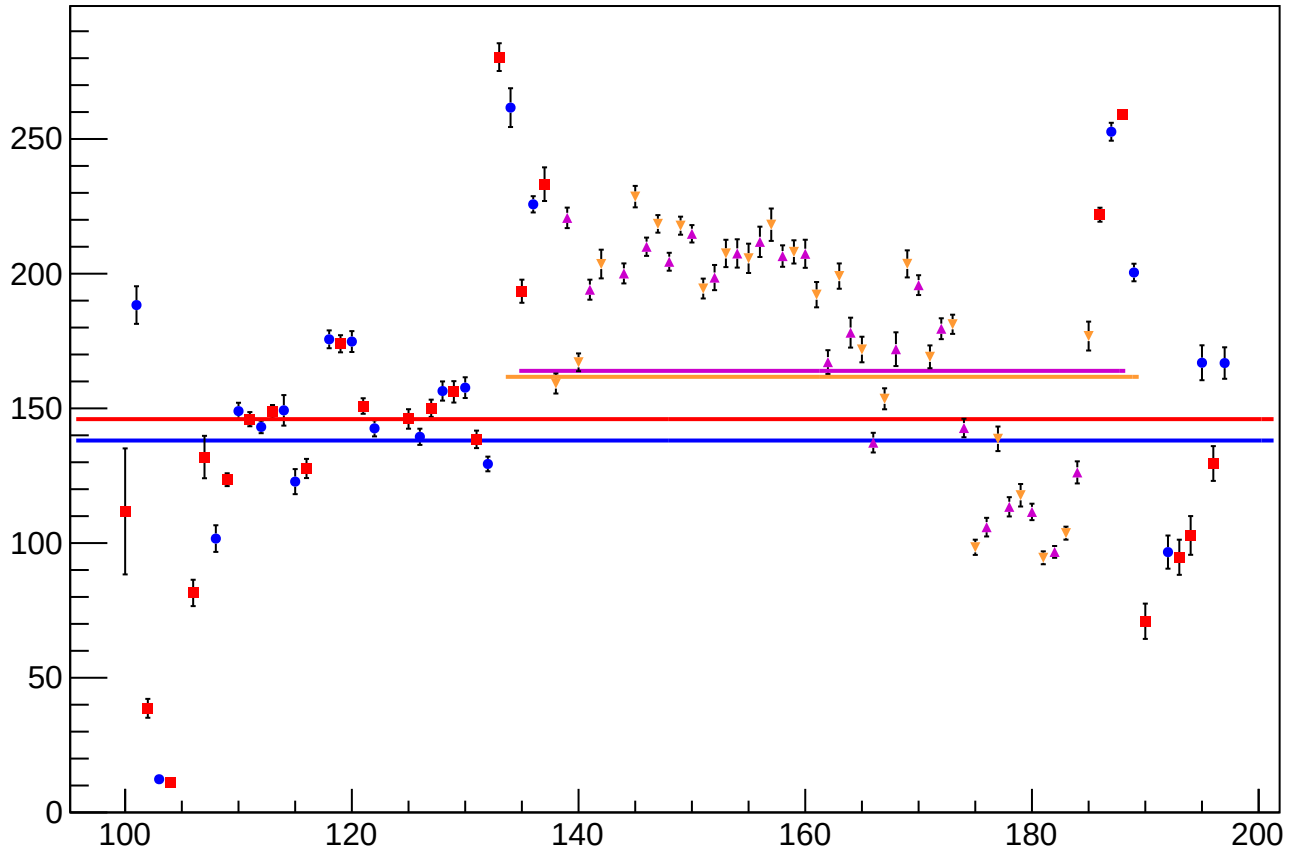
Right Out: -146.952+/-0.086 χ^2/NDF: 390096.9/23

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.767+/-0.047 χ^2/NDF: 465794.8/44

All: -171.838+/-0.033 χ^2/NDF: 1072824.9/91

- sign -169.997+/-0.046 χ^2/NDF: 603758.4/46



Right In: 138.068+/-0.748 χ^2/NDF: 7990.7/20

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

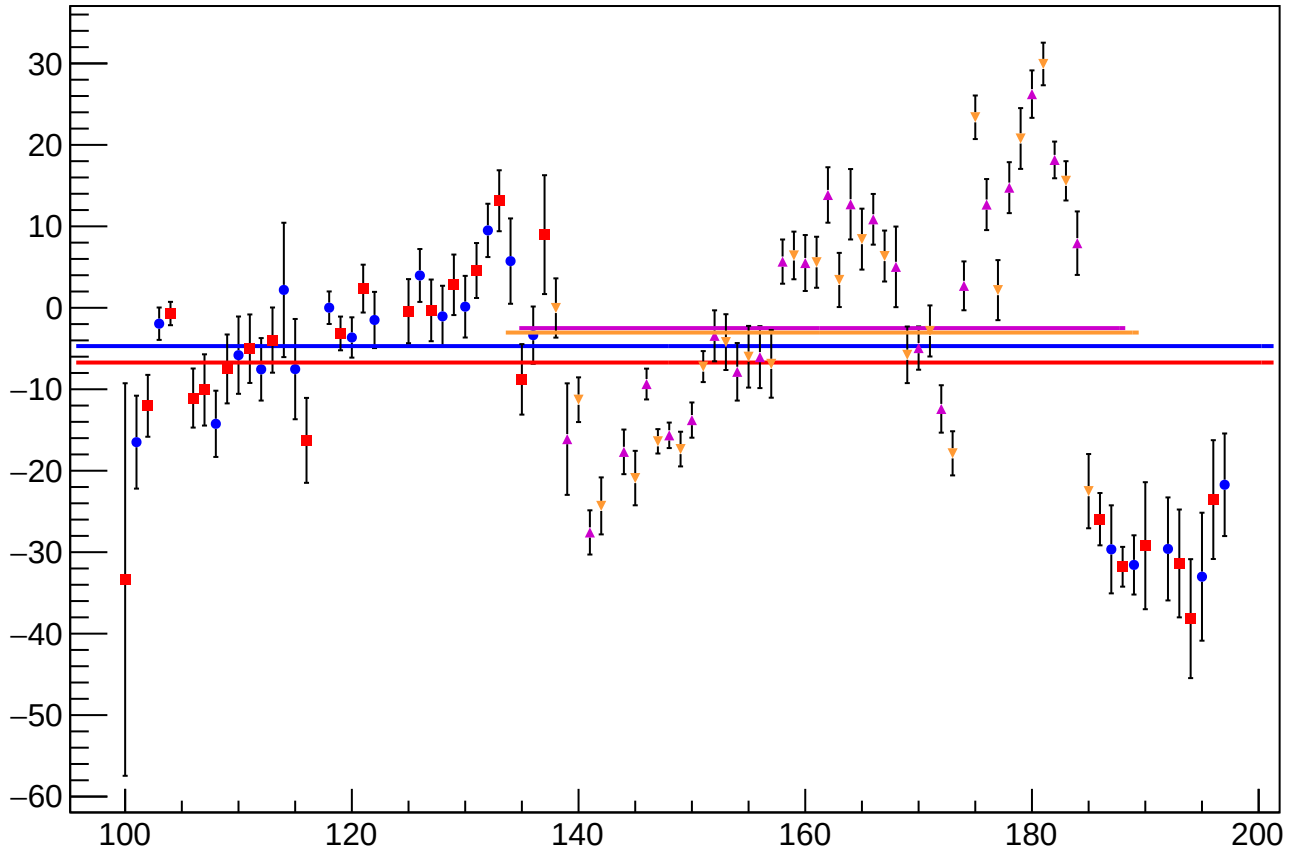
Right Out: 146.008+/-0.670 χ^2/NDF: 13012.2/23

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.457+/-0.539 χ^2/NDF: 12058.7/44

All: 151.662+/-0.370 χ^2/NDF: 28742.2/91

- sign 153.621+/-0.508 χ^2/NDF: 16651.9/46



Right In: -4.700+/-0.786 χ^2/NDF: 164.2/20

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

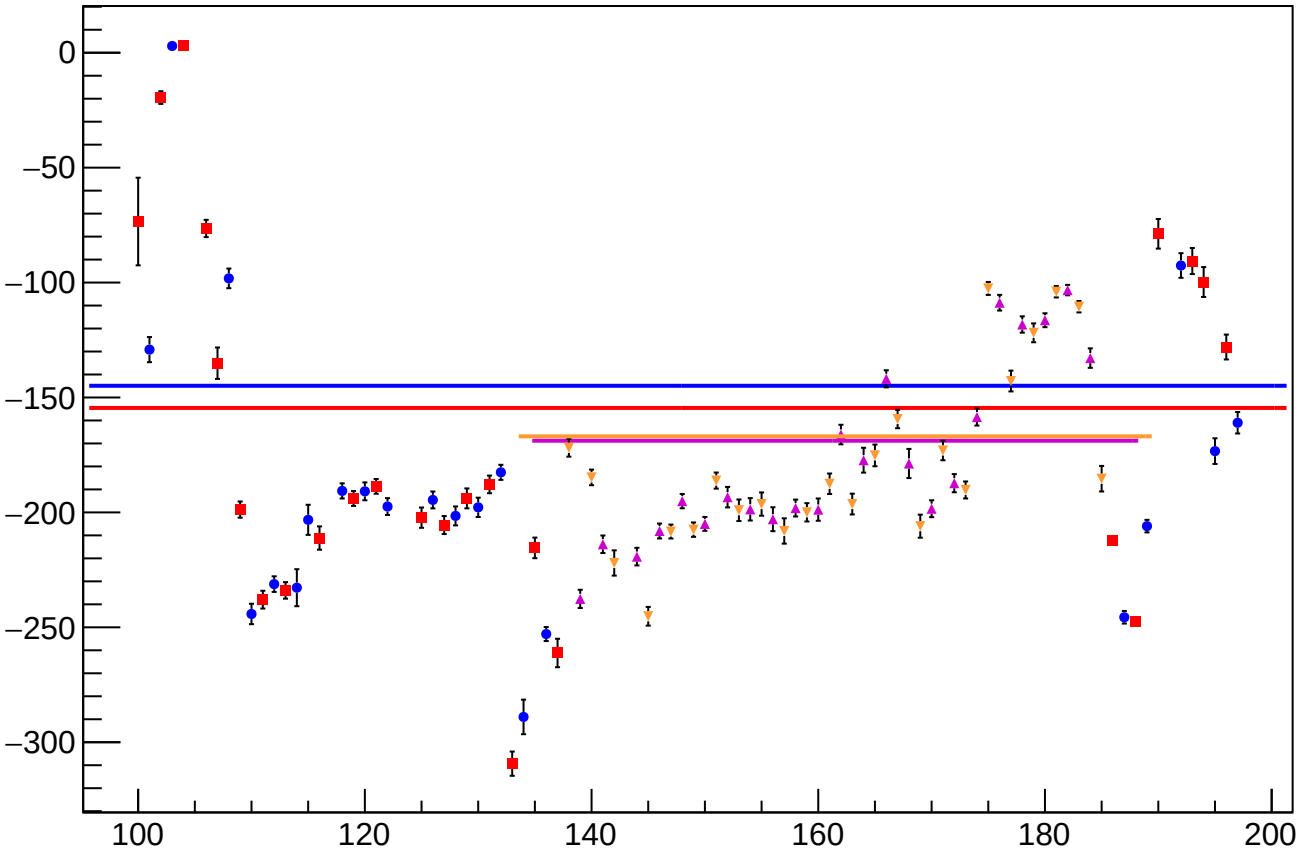
Right Out: -6.719+/-0.702 χ^2/NDF: 283.0/23

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

\+ sign -3.622+/-0.466 χ^2/NDF: 821.6/44

All: -3.936+/-0.324 χ^2/NDF: 1689.7/91

\- sign -4.230+/-0.450 χ^2/NDF: 867.2/46



Right In: -144.906+/-0.750 χ^2/NDF: 17012.5/20

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -154.544+/-0.651 χ^2/NDF: 23524.9/23

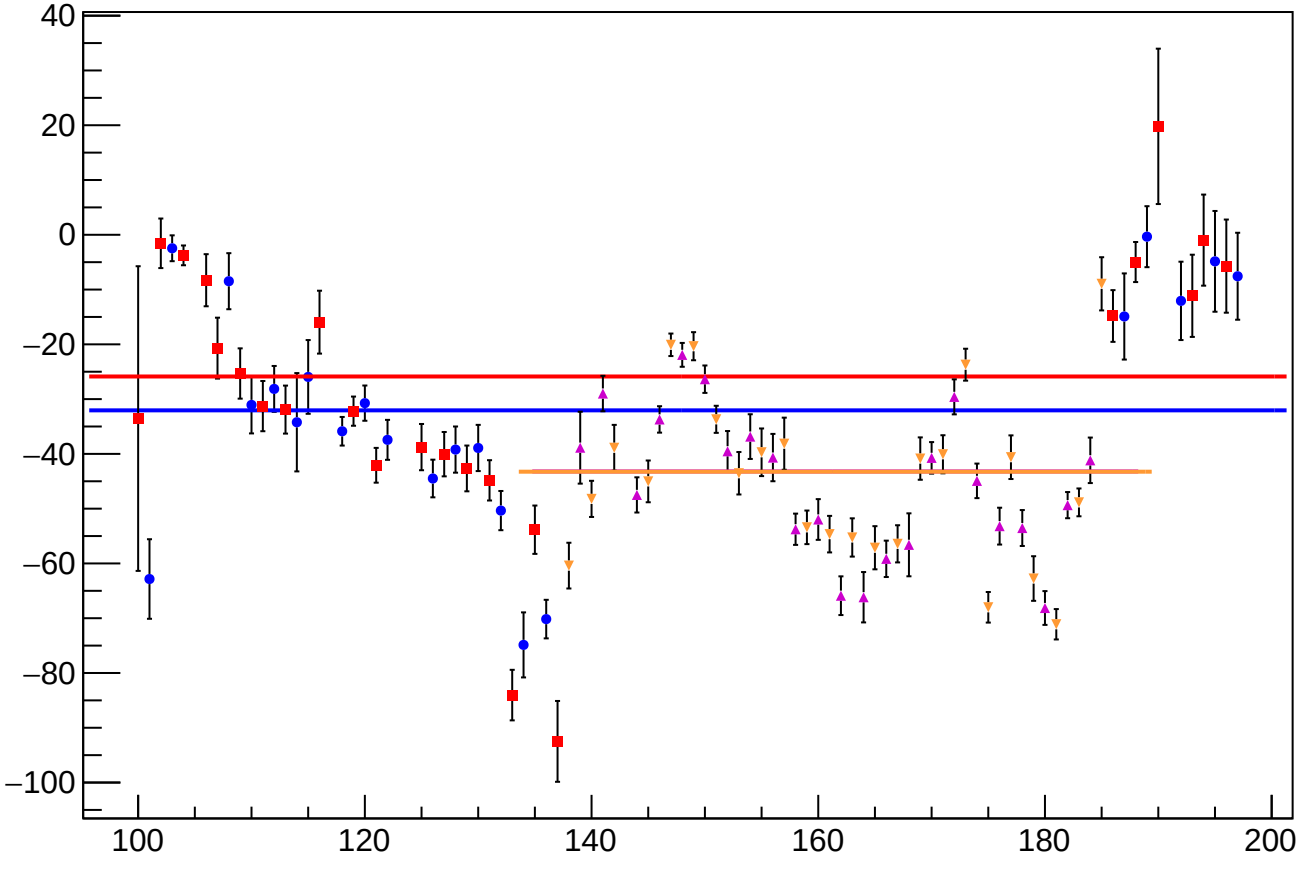
Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -155.611+/-0.538 χ^2/NDF: 20527.3/44

All: -158.227+/-0.365 χ^2/NDF: 47355.1/91

- sign -160.470+/-0.498 χ^2/NDF: 26783.8/46

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -32.052+/-0.927 χ^2/NDF: 480.0/20

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

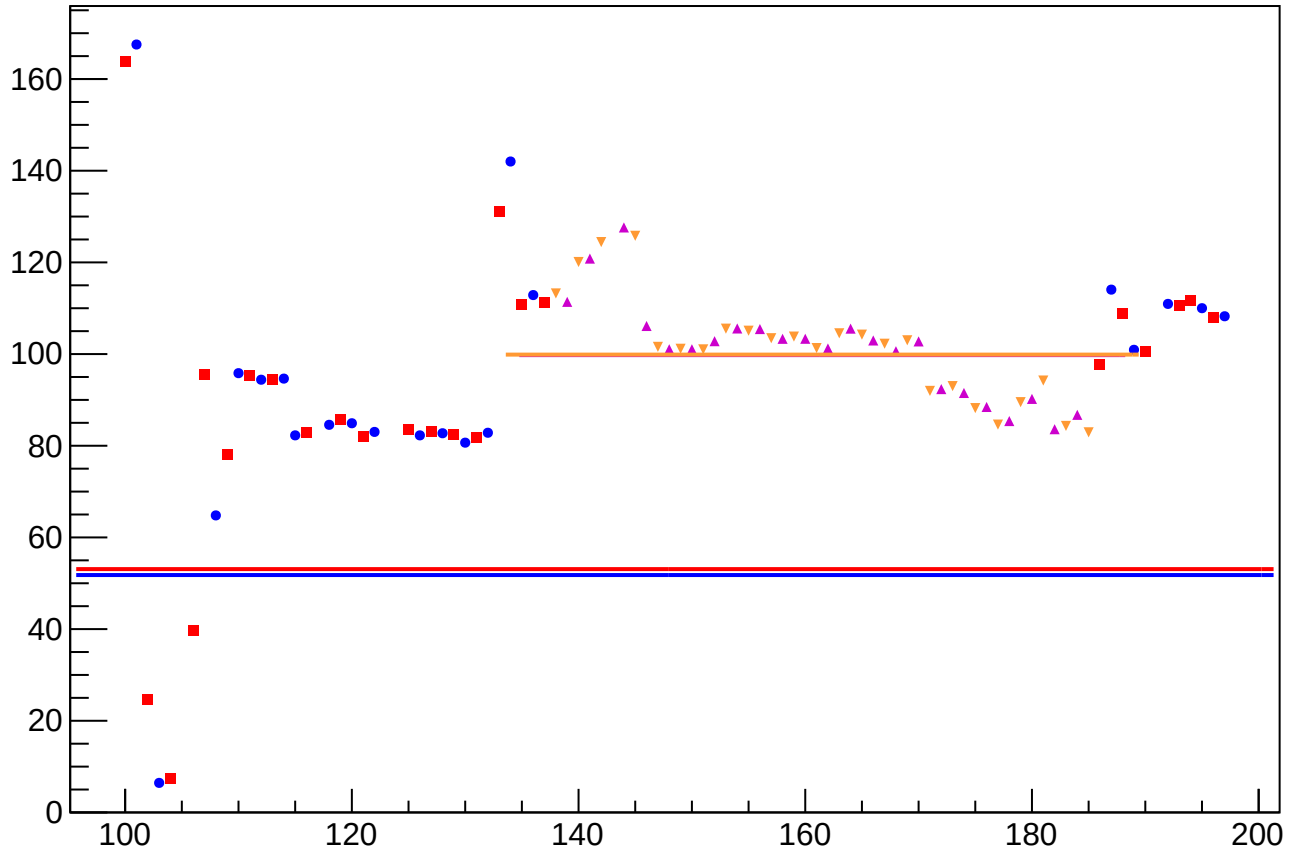
Right Out: -25.869+/-0.849 χ^2/NDF: 643.3/23

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -39.454+/-0.540 χ^2/NDF: 1186.5/44

All: -37.967+/-0.377 χ^2/NDF: 2507.3/91

- sign -36.556+/-0.526 χ^2/NDF: 1306.0/46



Right In: 51.794+/-0.042 χ^2/NDF: 1324005.0/20

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

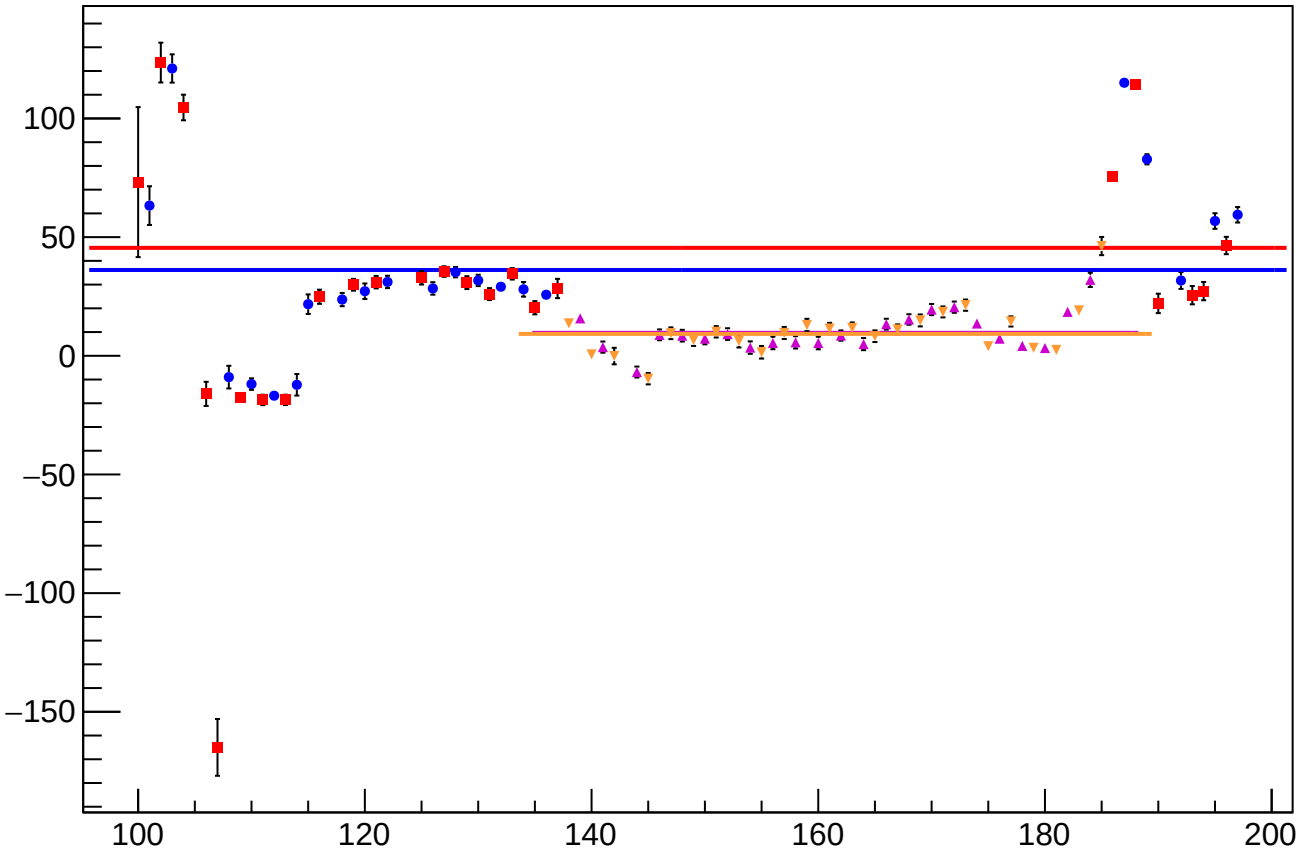
Right Out: 53.088+/-0.041 χ^2/NDF: 1129118.3/23

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 83.197+/-0.025 χ^2/NDF: 2295083.4/44

All: 83.257+/-0.017 χ^2/NDF: 4360560.5/91

- sign 83.315+/-0.025 χ^2/NDF: 2065465.8/46



Right In: 36.153+/-0.592 χ^2/NDF: 3740.3/20

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

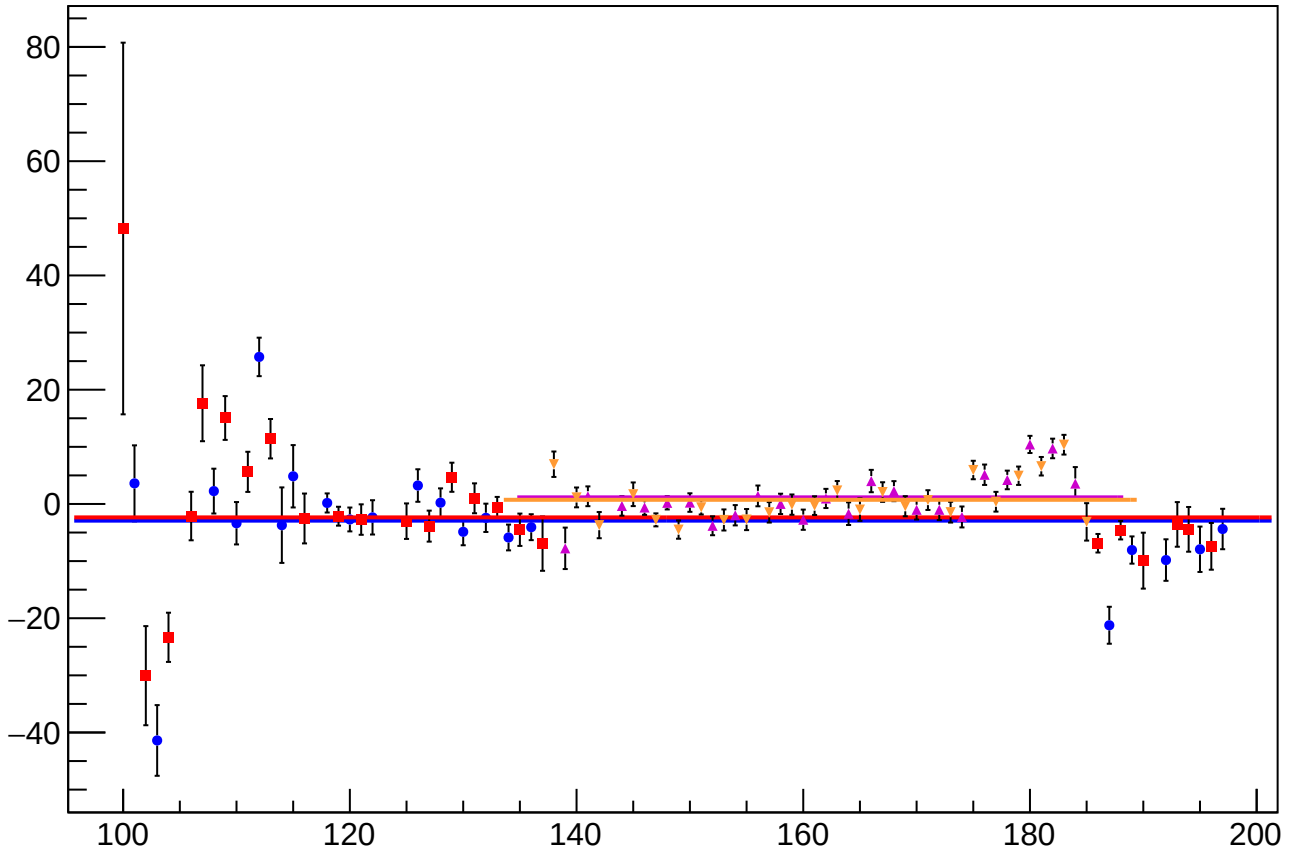
Right Out: 45.488+/-0.518 χ^2/NDF: 7778.4/23

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 19.275+/-0.361 χ^2/NDF: 5366.4/44

All: 22.563+/-0.250 χ^2/NDF: 16210.1/91

\- sign 25.558+/-0.345 χ^2/NDF: 10685.6/46



Right In: -2.917+/-0.628 χ^2/NDF: 170.3/20

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

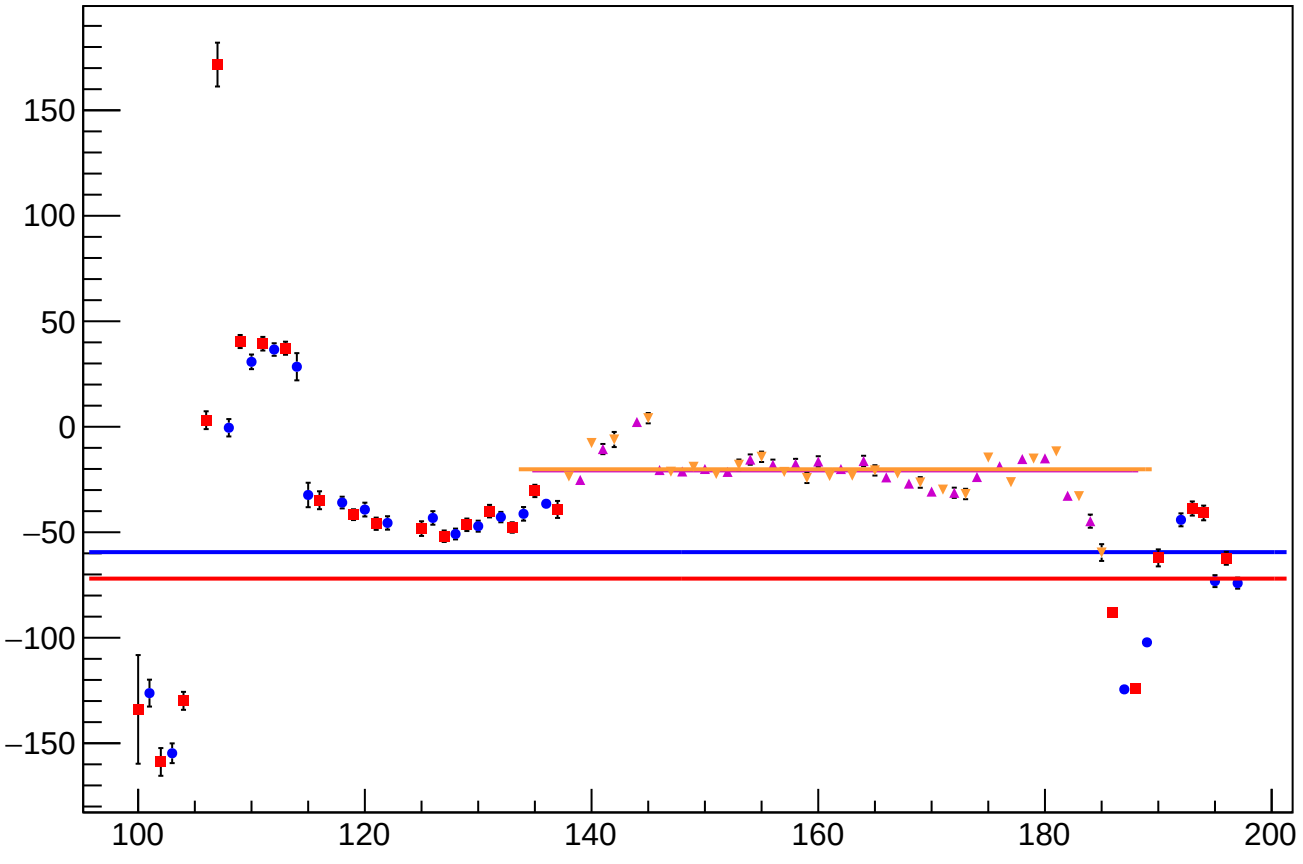
Right Out: -2.351+/-0.581 χ^2/NDF: 113.3/23

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.132+/-0.305 χ^2/NDF: 305.8/44

All: 0.031+/-0.216 χ^2/NDF: 556.6/91

\- sign 0.193+/-0.304 χ^2/NDF: 250.2/46



Right In: -59.422+/-0.610 χ^2/NDF: 5301.7/20

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

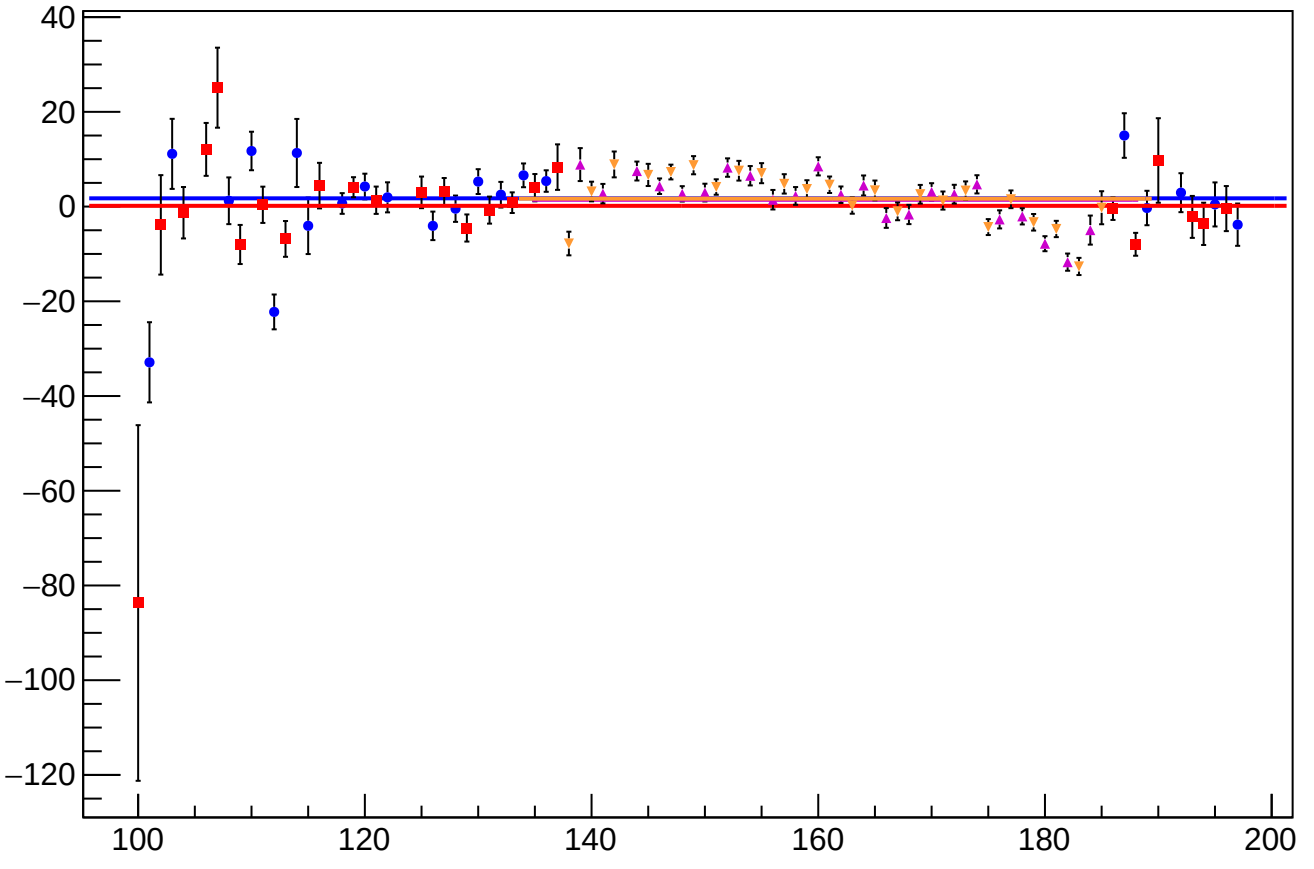
Right Out: -71.971+/-0.504 χ^2/NDF: 9452.5/23

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -34.081+/-0.363 χ^2/NDF: 8394.6/44

All: -39.318+/-0.248 χ^2/NDF: 24223.5/91

\- sign -43.867+/-0.339 χ^2/NDF: 15440.9/46



Right In: 1.742+/-0.735 χ^2/NDF: 93.3/20

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

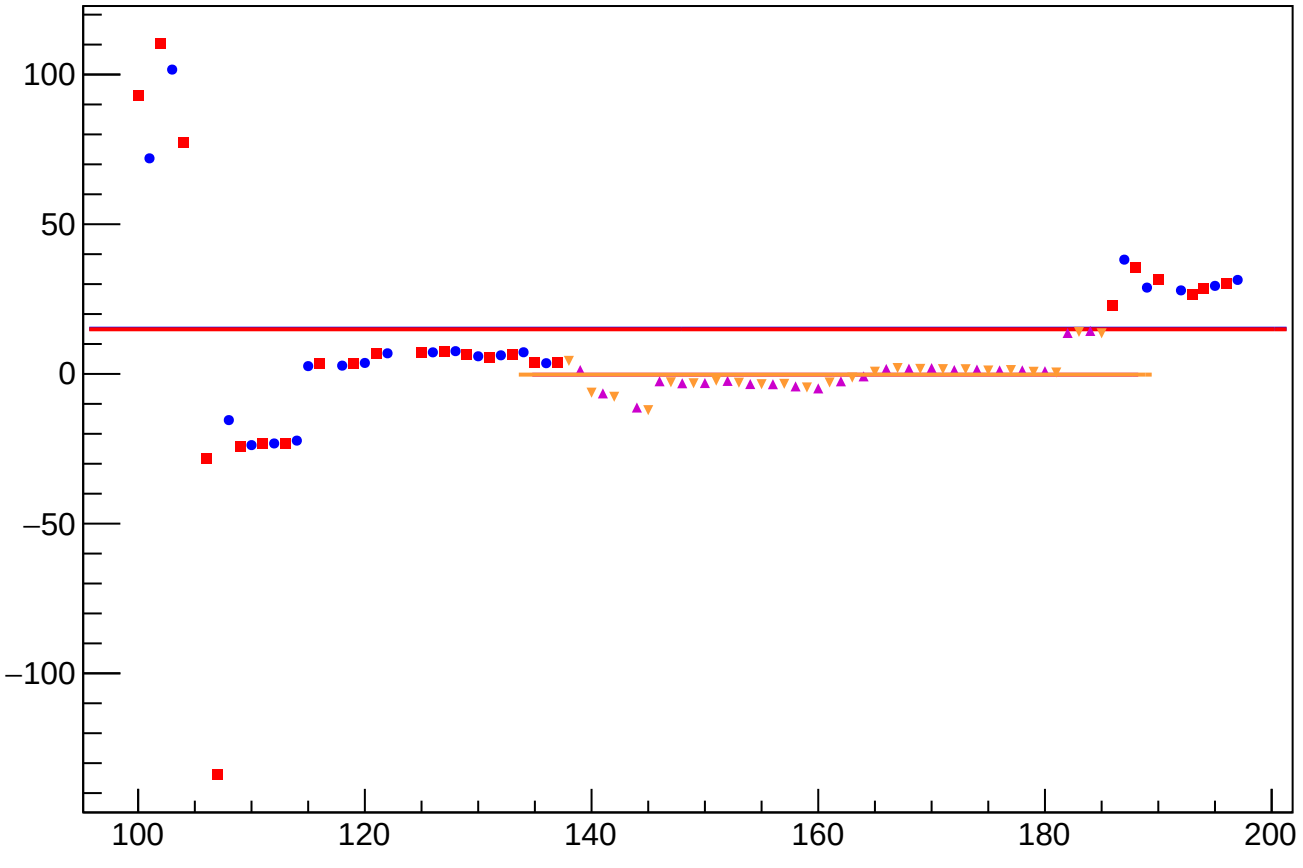
Right Out: 0.156+/-0.706 χ^2/NDF: 53.0/23

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.687+/-0.348 χ^2/NDF: 271.3/44

All: 1.403+/-0.247 χ^2/NDF: 490.9/91

- sign 1.116+/-0.350 χ^2/NDF: 218.3/46



Right In: 15.106+/-0.040 χ^2/NDF: 379510.5/20

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 14.910+/-0.040 χ^2/NDF: 546291.8/23

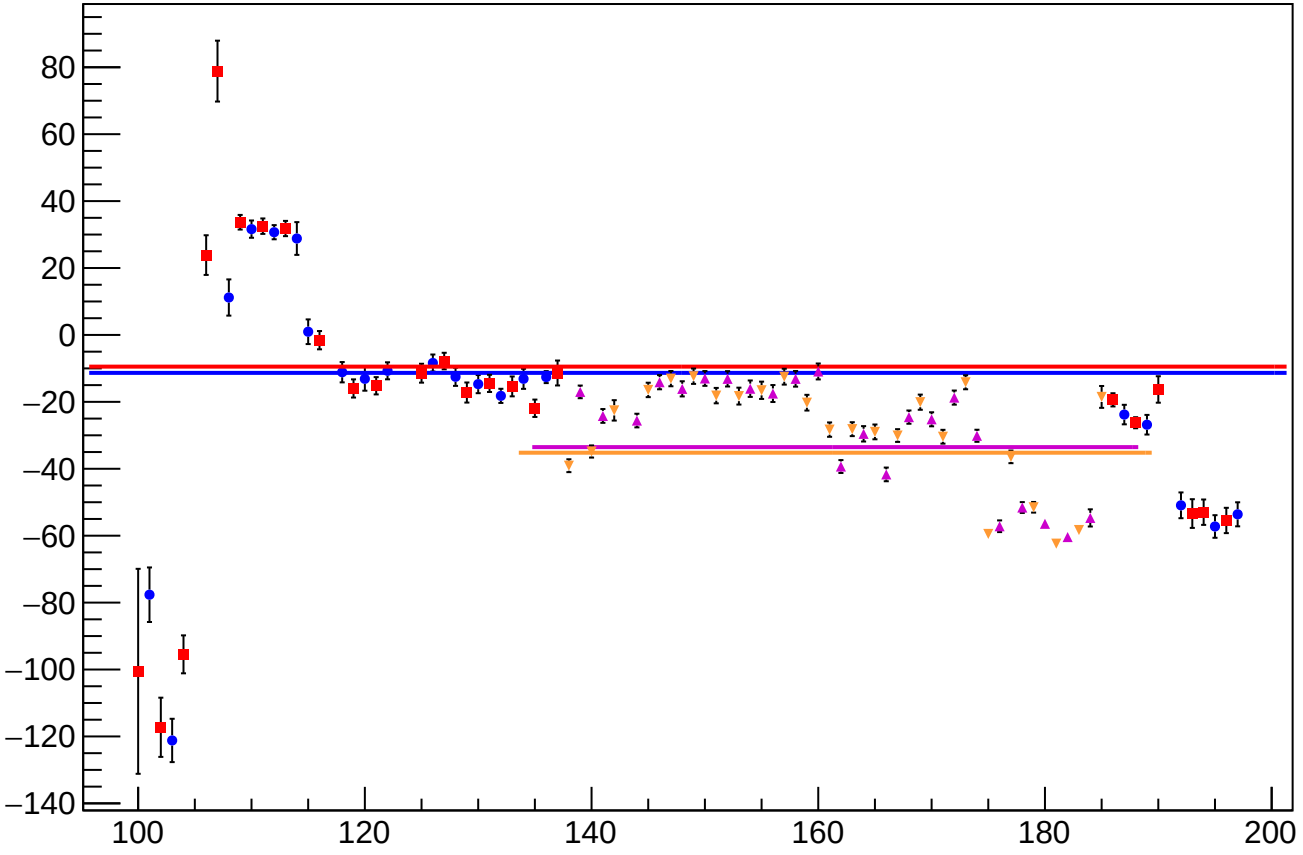
Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 2.278+/-0.016 χ^2/NDF: 584053.5/44

All: 2.276+/-0.011 χ^2/NDF: 1325920.4/91

- sign 2.275+/-0.016 χ^2/NDF: 741866.9/46

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -11.339+/-0.640 χ^2/NDF: 1609.9/20

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

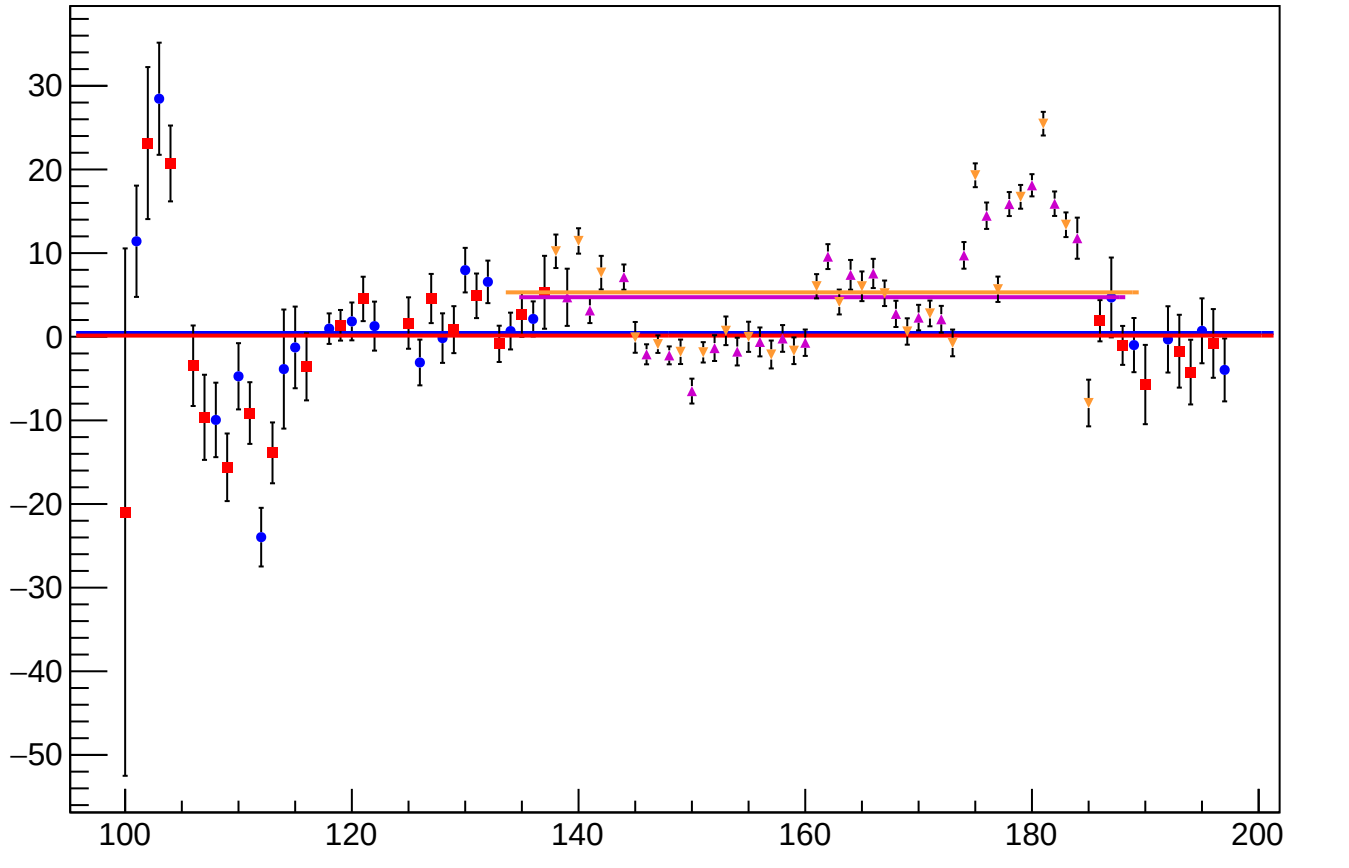
Right Out: -9.471+/-0.591 χ^2/NDF: 2132.1/23

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -28.302+/-0.344 χ^2/NDF: 4448.8/44

All: -26.943+/-0.241 χ^2/NDF: 9528.8/91

- sign -25.624+/-0.339 χ^2/NDF: 5049.3/46



Right In: 0.447+/-0.669 χ^2/NDF: 95.3/20

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

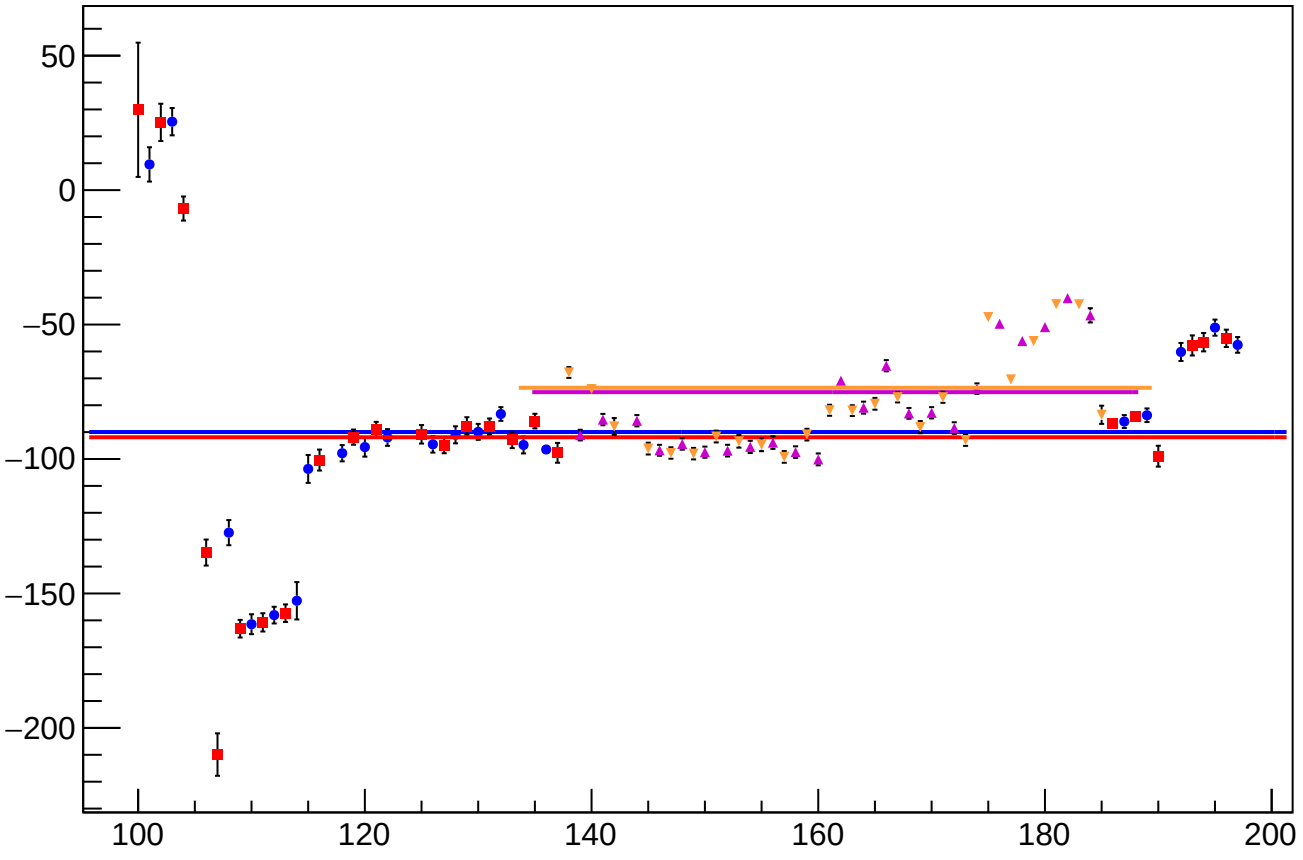
Right Out: 0.138+/-0.655 χ^2/NDF: 84.2/23

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.426+/-0.285 χ^2/NDF: 762.9/44

All: 4.136+/-0.203 χ^2/NDF: 1384.6/91

- sign 3.839+/-0.288 χ^2/NDF: 619.7/46



Right In: -89.962+/-0.680 χ^2/NDF: 2180.5/20

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

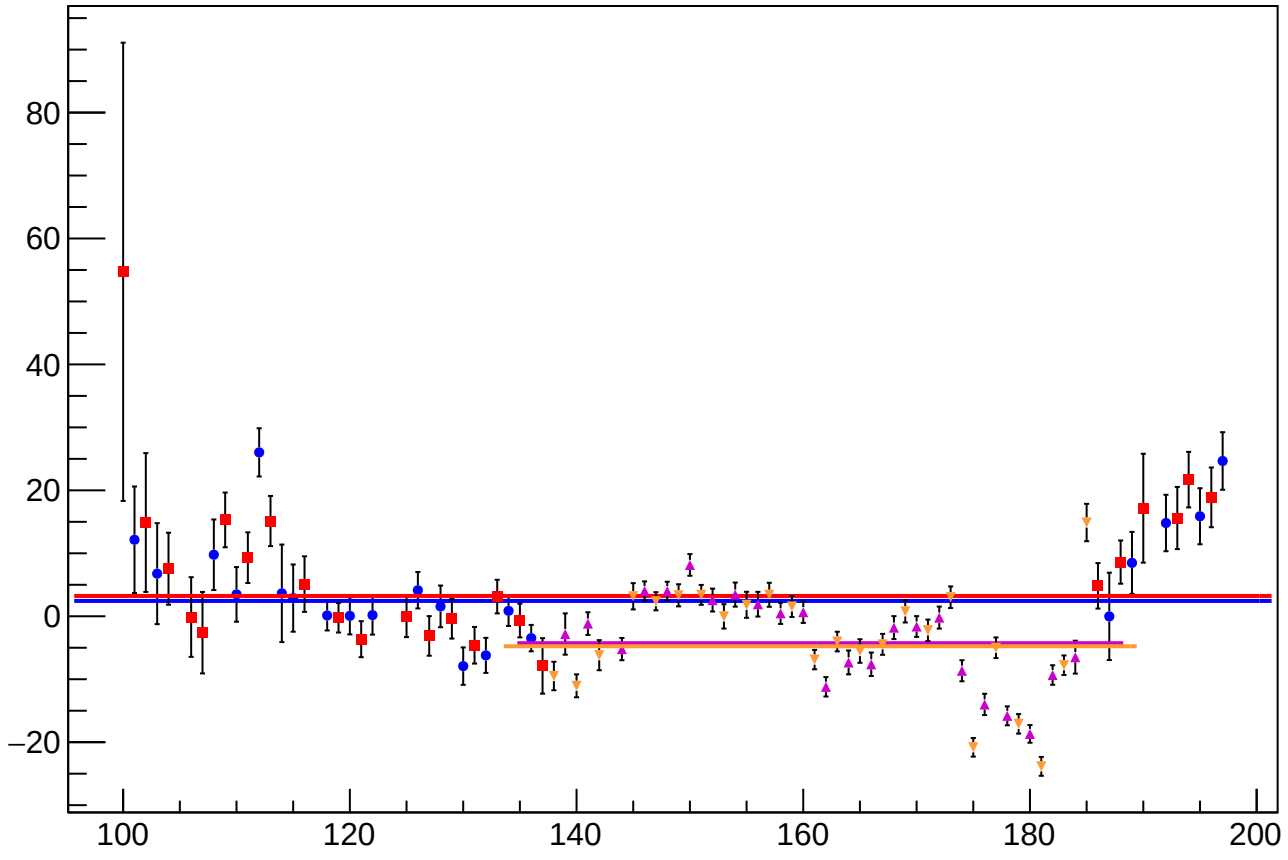
Right Out: -91.908+/-0.608 χ^2/NDF: 2640.6/23

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -77.818+/-0.348 χ^2/NDF: 5004.4/44

All: -79.129+/-0.243 χ^2/NDF: 10558.2/91

\- sign -80.379+/-0.340 χ^2/NDF: 5526.0/46



Right In: 2.436+/-0.769 χ^2/NDF: 116.1/20

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

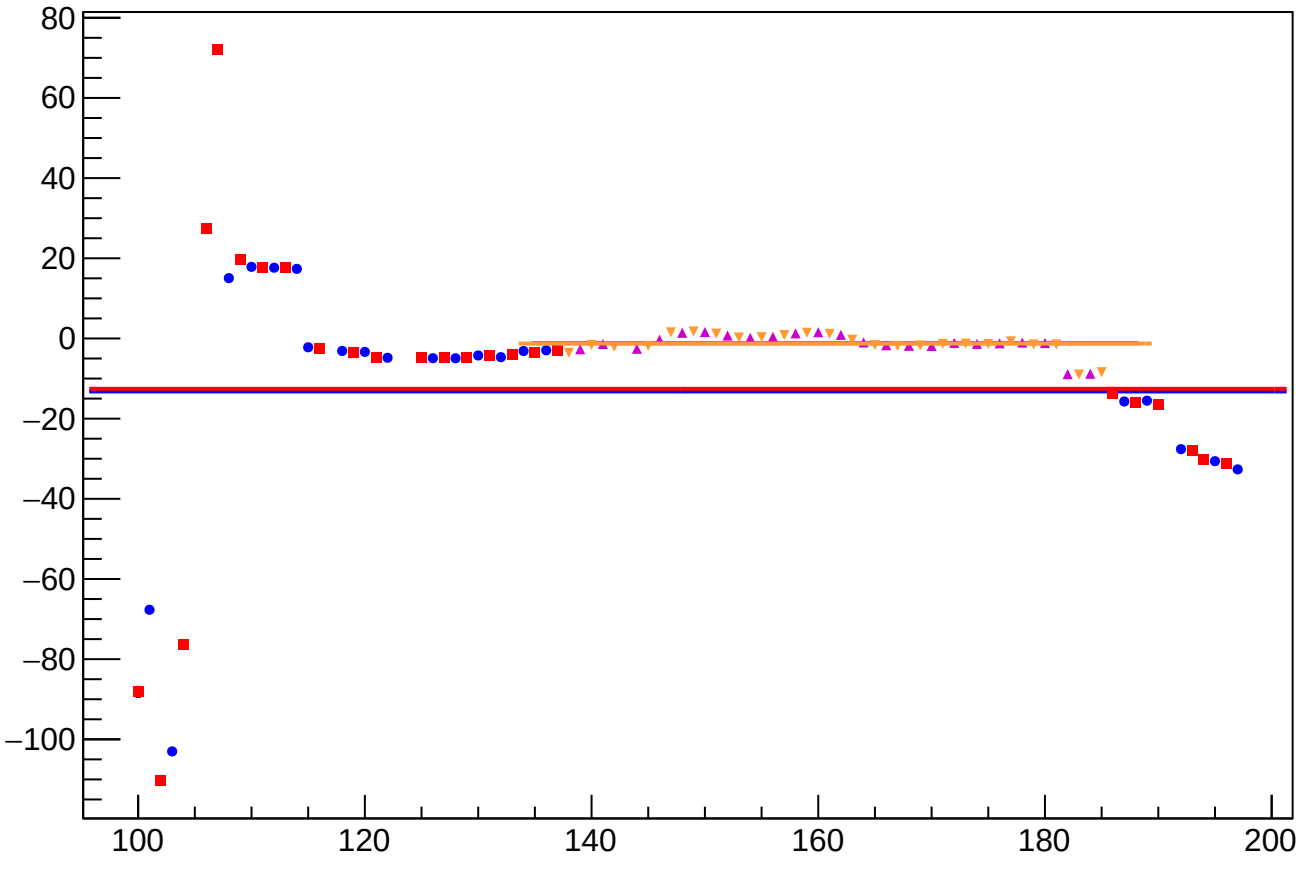
Right Out: 3.228+/-0.773 χ^2/NDF: 93.9/23

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.498+/-0.322 χ^2/NDF: 765.3/44

All: -3.220+/-0.229 χ^2/NDF: 1362.3/91

- sign -2.933+/-0.327 χ^2/NDF: 595.5/46



Right In: -13.216+/-0.041 χ^2/NDF: 326941.1/20

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -12.555+/-0.042 χ^2/NDF: 406063.2/23

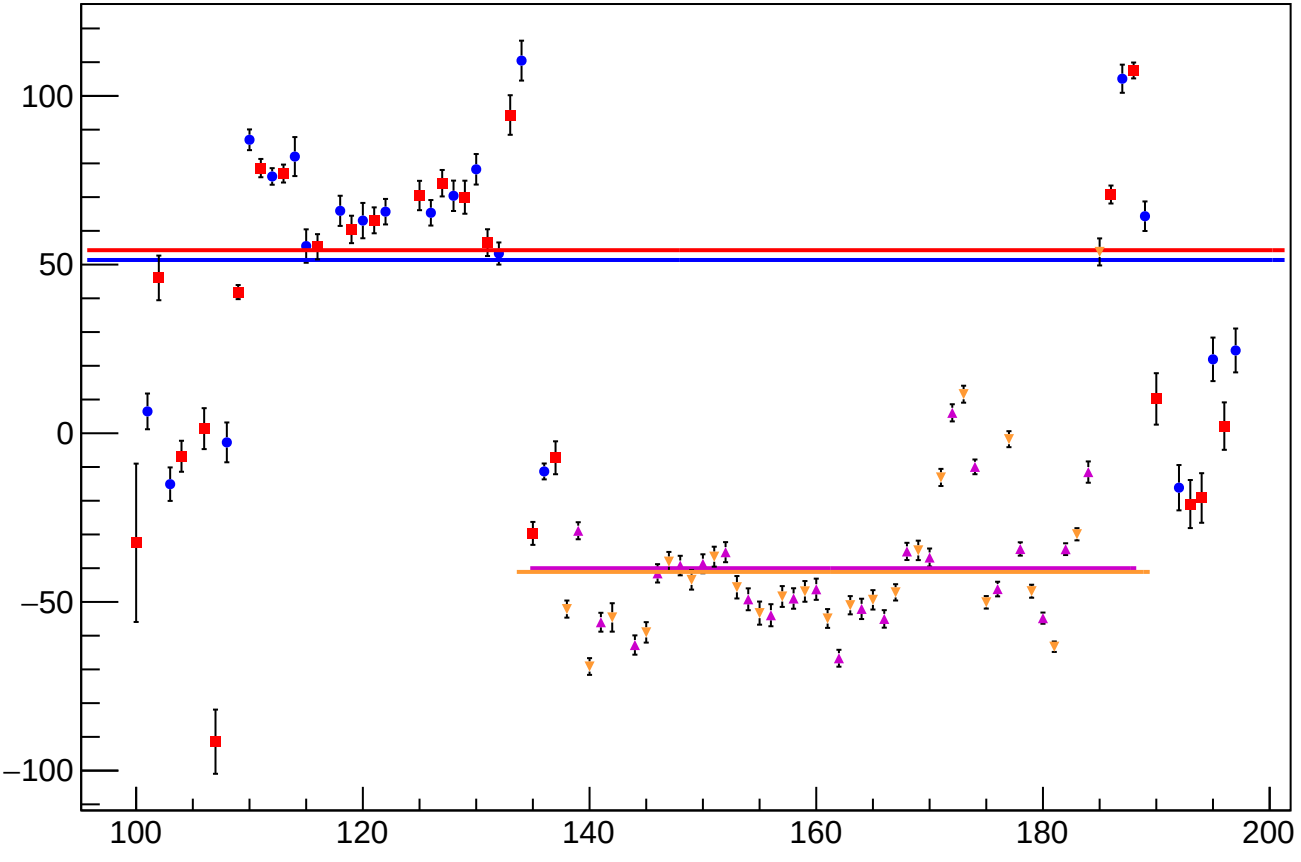
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -2.854+/-0.015 χ^2/NDF: 427389.1/44

All: -2.742+/-0.010 χ^2/NDF: 922985.5/91

- sign -2.627+/-0.015 χ^2/NDF: 495479.3/46

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 51.365+/-0.894 χ^2/NDF: 1817.8/20

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 54.270+/-0.792 χ^2/NDF: 2414.8/23

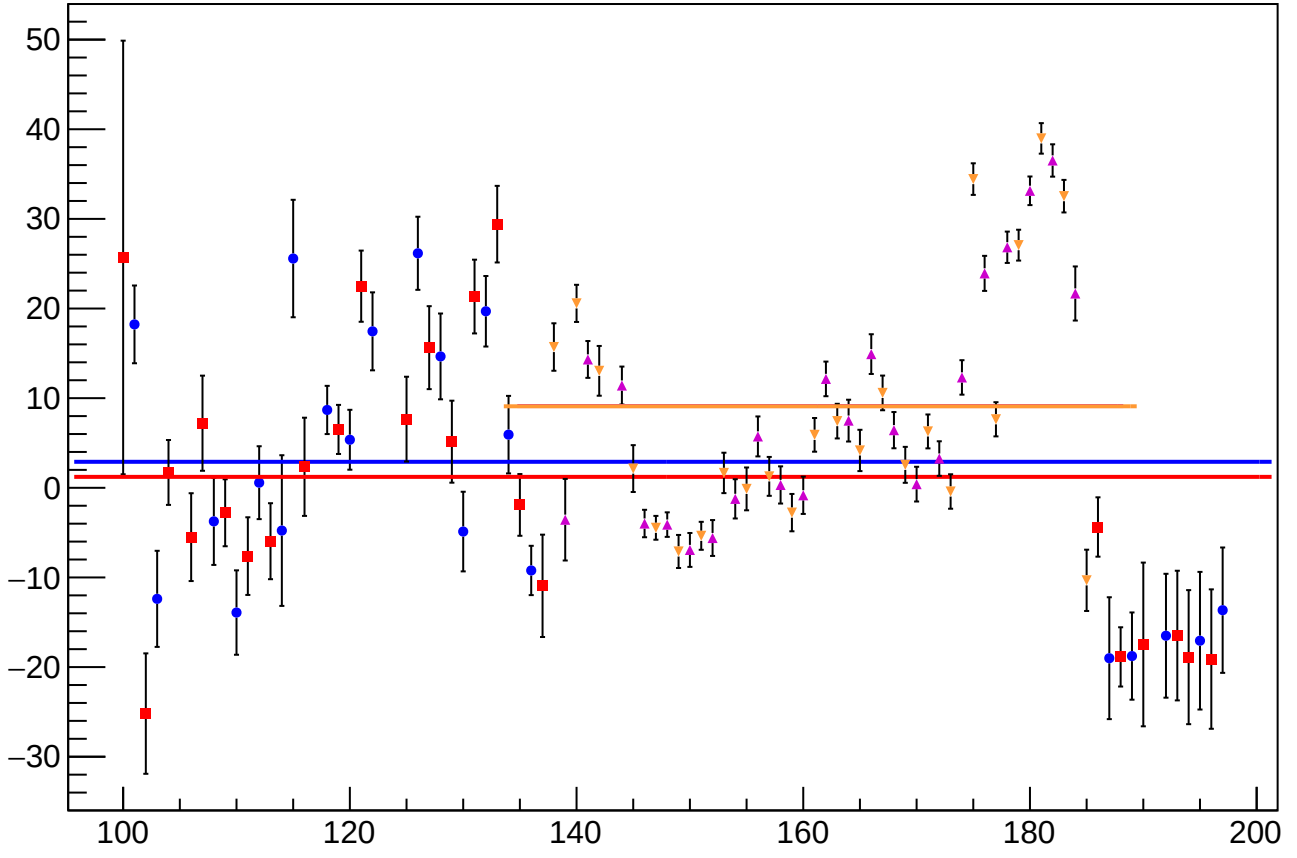
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

+ sign -17.882+/-0.448 χ^2/NDF: 11785.5/44

All: -14.505+/-0.313 χ^2/NDF: 25191.1/91

- sign -11.285+/-0.437 χ^2/NDF: 13294.5/46

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.901+/-0.962 χ^2/NDF: 195.0/20

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

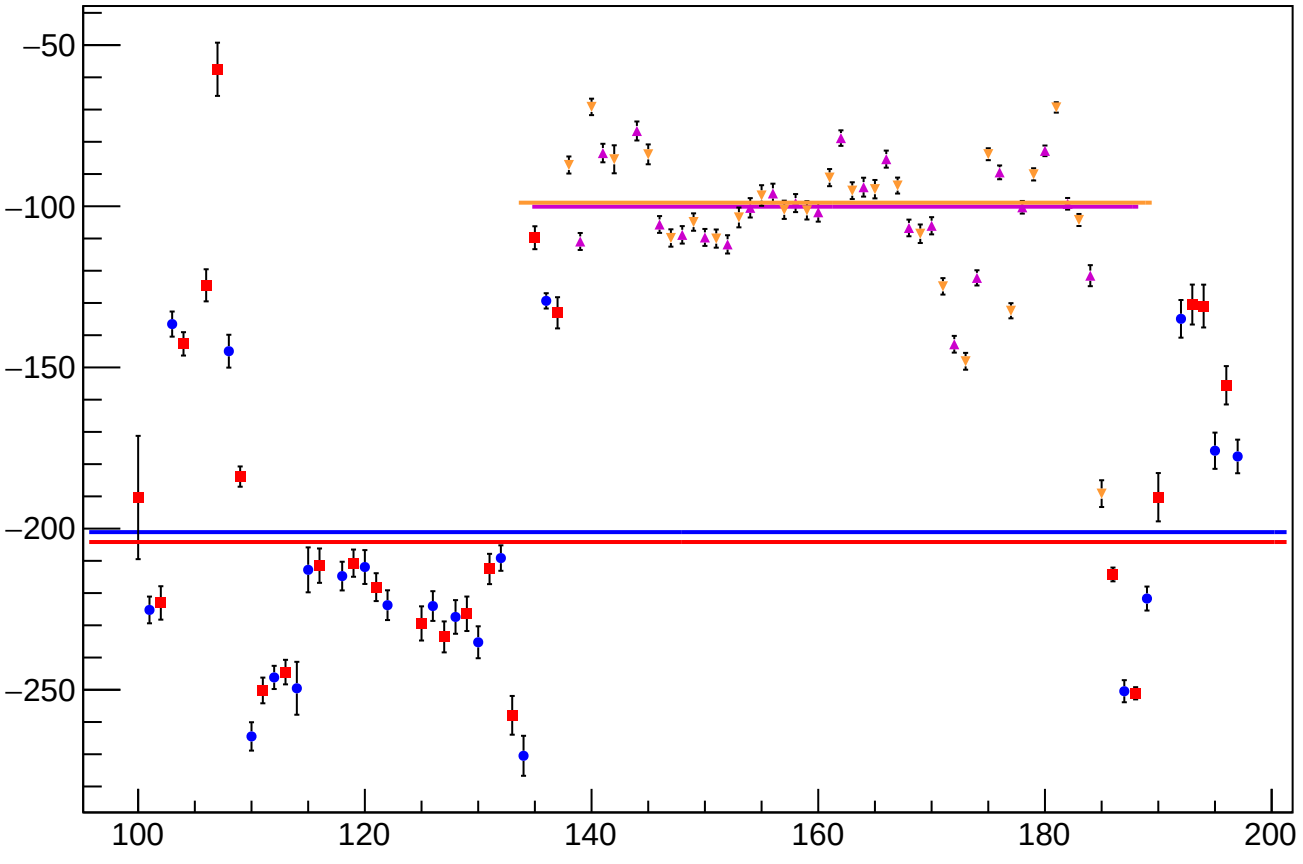
Right Out: 1.220+/-0.911 χ^2/NDF: 209.4/23

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.176+/-0.370 χ^2/NDF: 1484.0/44

All: 7.987+/-0.263 χ^2/NDF: 2808.4/91

- sign 7.796+/-0.373 χ^2/NDF: 1323.9/46



Right In: -201.091+/-0.950 χ^2/NDF: 2414.1/20

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

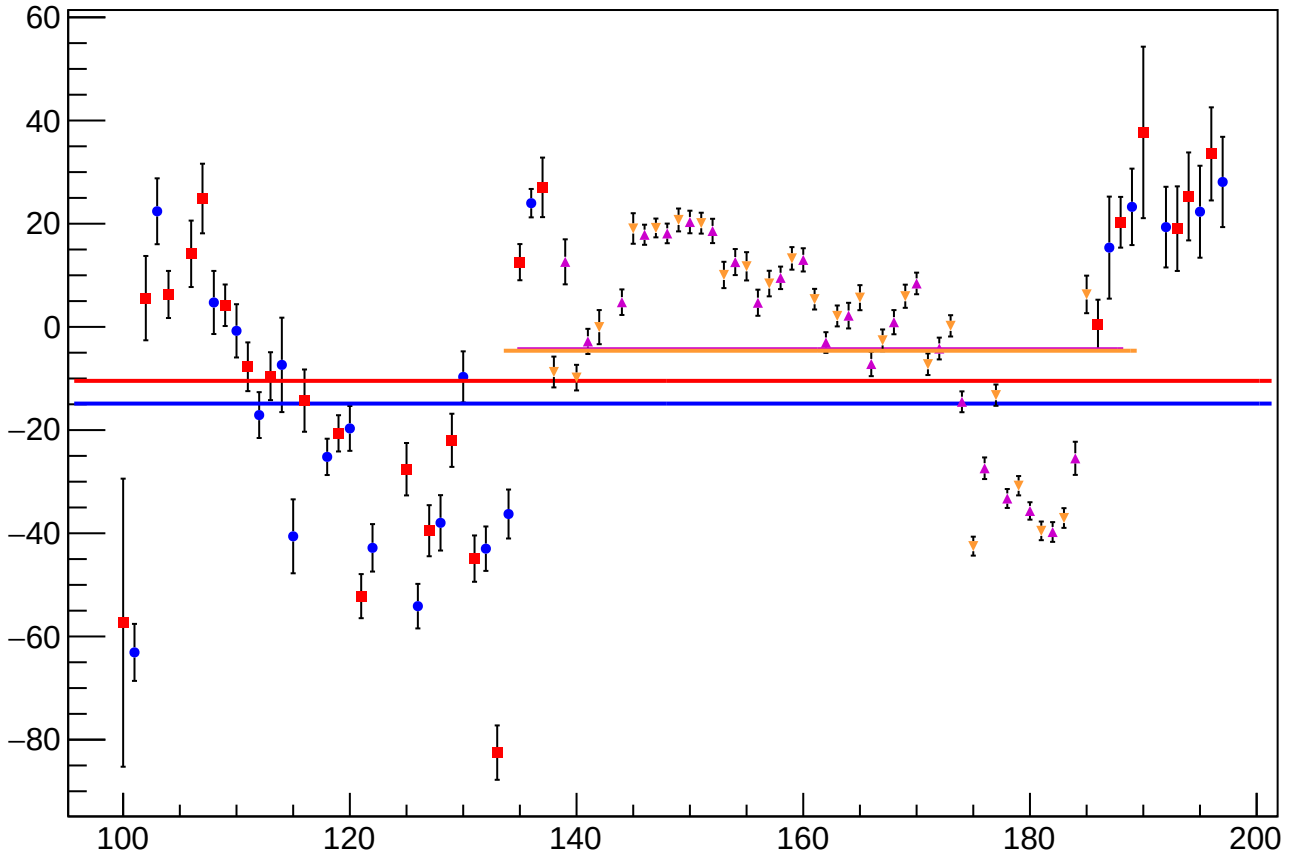
Right Out: -204.160+/-0.830 χ^2/NDF: 3225.1/23

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

\+ sign -122.024+/-0.452 χ^2/NDF: 13185.9/44

All: -125.825+/-0.316 χ^2/NDF: 28644.8/91

\- sign -129.436+/-0.441 χ^2/NDF: 15321.1/46



Right In: -14.863+/-1.108 χ^2/NDF: 649.5/20

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

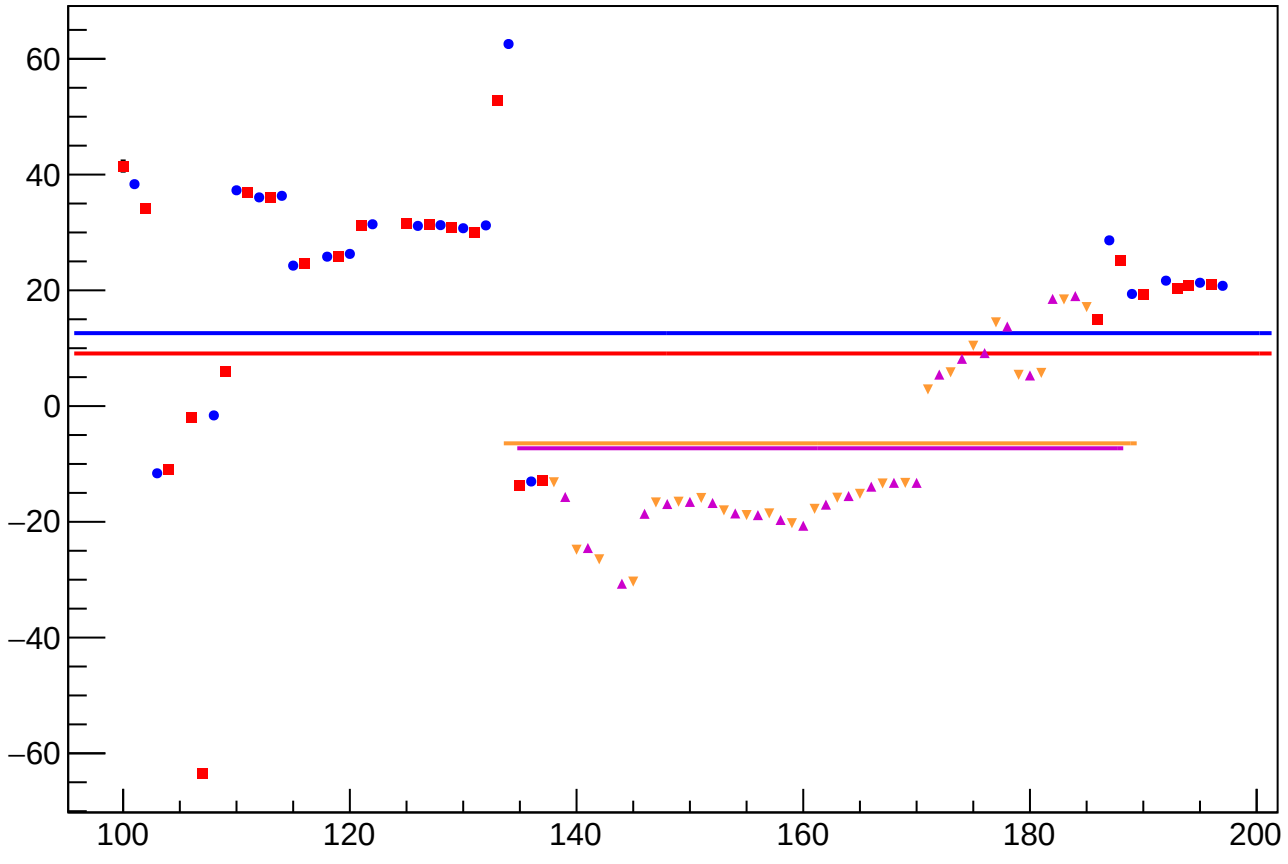
Right Out: -10.460+/-1.073 χ^2/NDF: 668.7/23

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.076+/-0.418 χ^2/NDF: 2801.1/44

All: -5.680+/-0.297 χ^2/NDF: 5353.3/91

- sign -5.277+/-0.422 χ^2/NDF: 2550.4/46



Right In: 12.603+/-0.057 χ^2/NDF: 170221.7/20

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

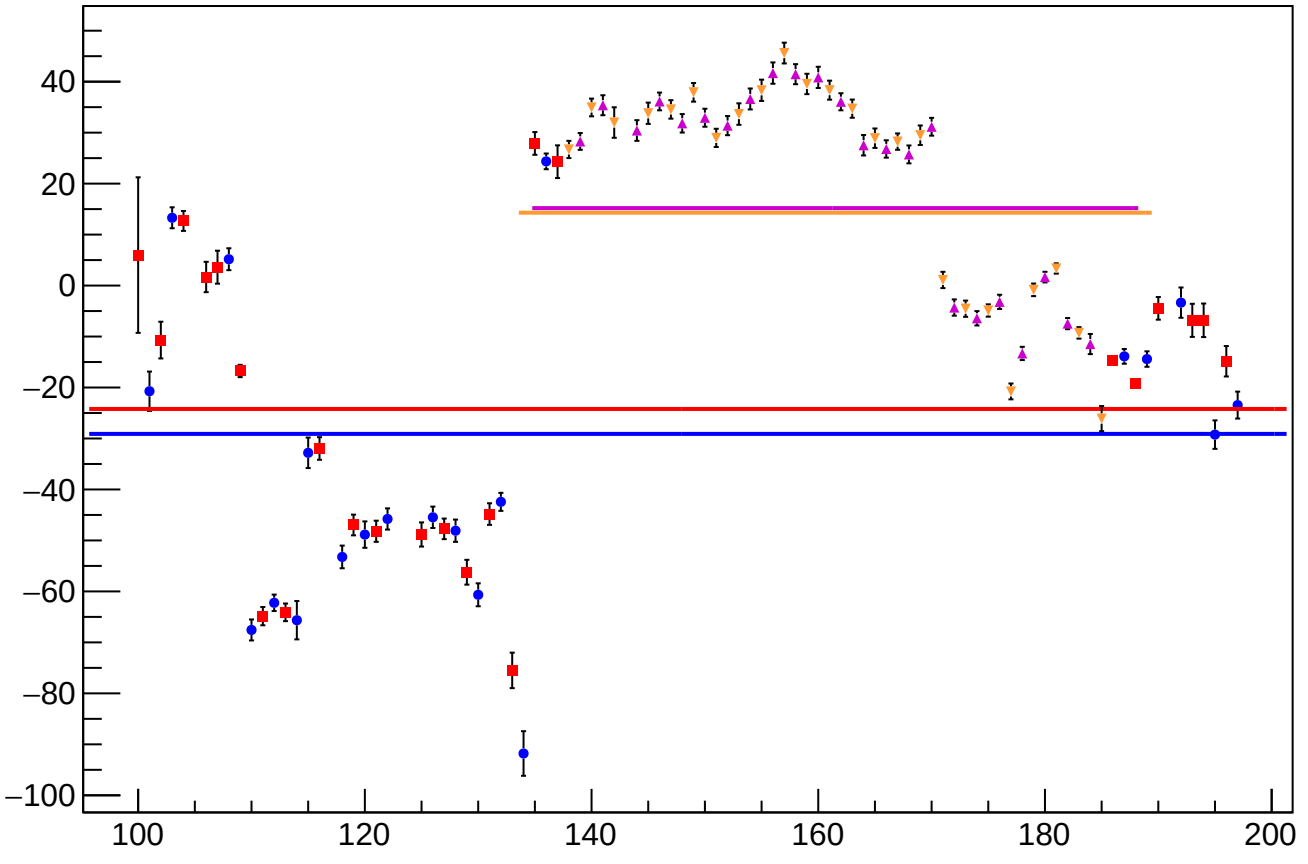
Right Out: 9.090+/-0.056 χ^2/NDF: 168886.5/23

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -4.317+/-0.019 χ^2/NDF: 765917.6/44

All: -4.850+/-0.013 χ^2/NDF: 1500415.7/91

- sign -5.385+/-0.019 χ^2/NDF: 732927.9/46



Right In: -29.098+/-0.465 χ^2/NDF: 3875.3/20

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

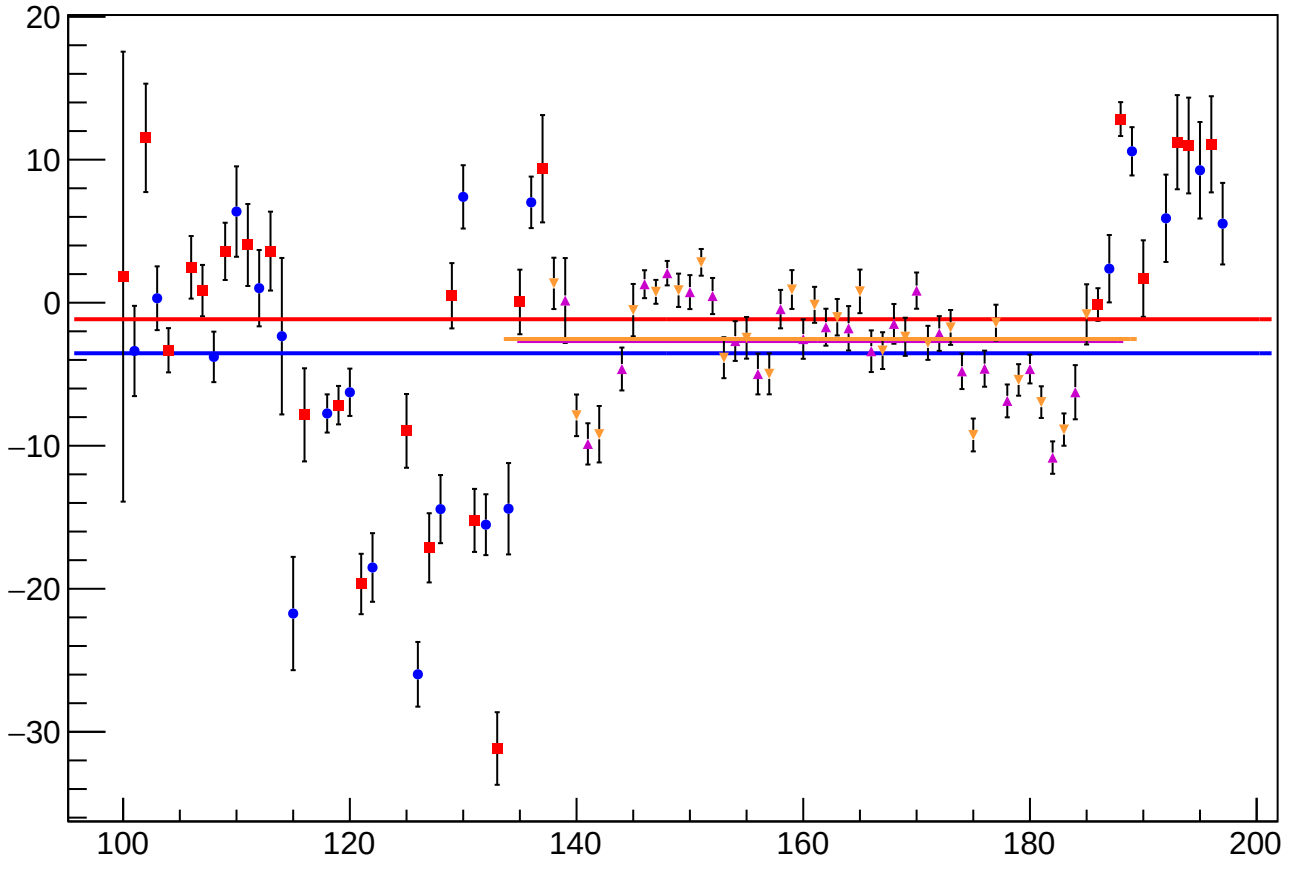
Right Out: -24.207+/-0.383 χ^2/NDF: 3666.7/23

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -0.558+/-0.272 χ^2/NDF: 13337.8/44

All: -1.389+/-0.186 χ^2/NDF: 26348.9/91

- sign -2.116+/-0.254 χ^2/NDF: 12993.6/46



Right In: -3.534+/-0.493 χ^2/NDF: 420.2/20

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.155+/-0.430 χ^2/NDF: 554.2/23

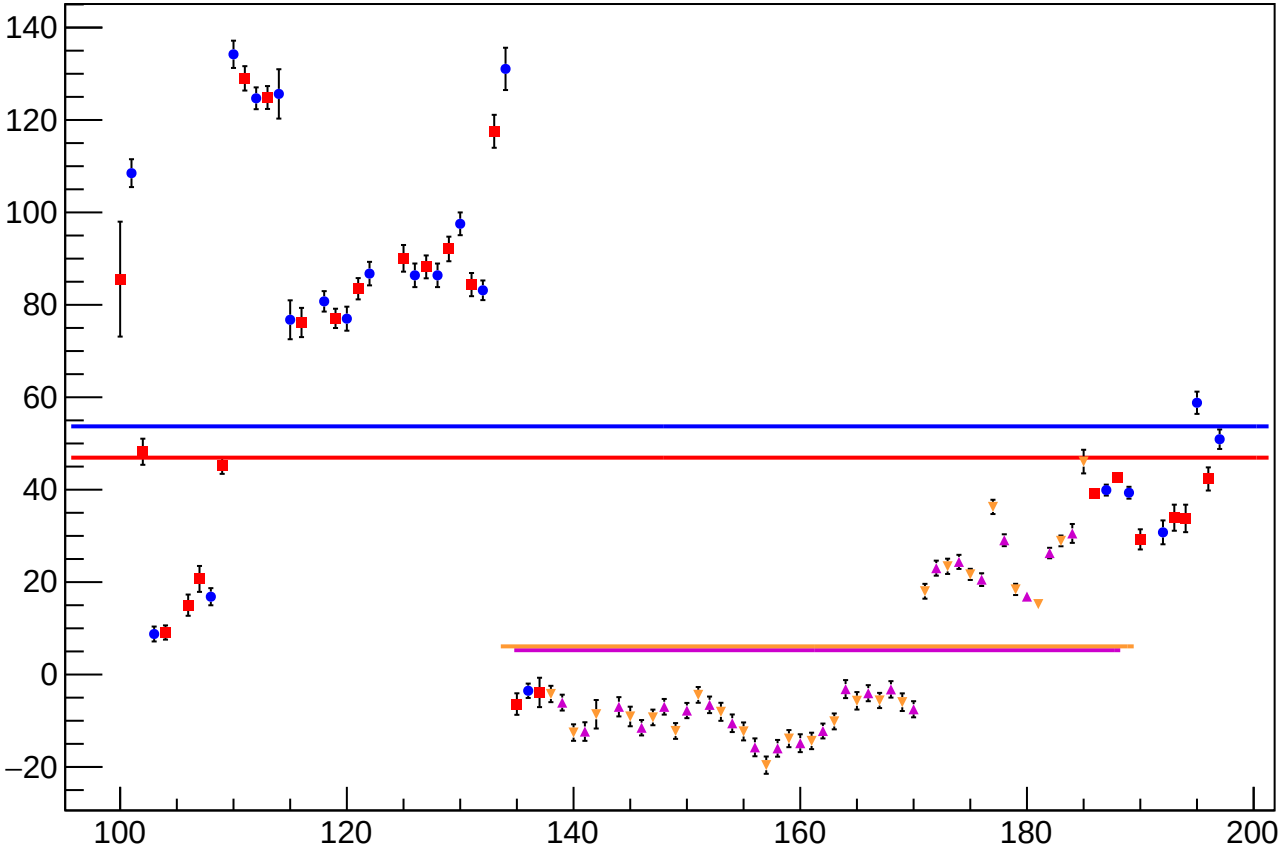
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

\+ sign -2.753+/-0.229 χ^2/NDF: 621.8/44

All: -2.503+/-0.161 χ^2/NDF: 1369.5/91

\- sign -2.261+/-0.225 χ^2/NDF: 745.4/46

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 53.704+/-0.461 χ^2/NDF: 6579.3/20

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

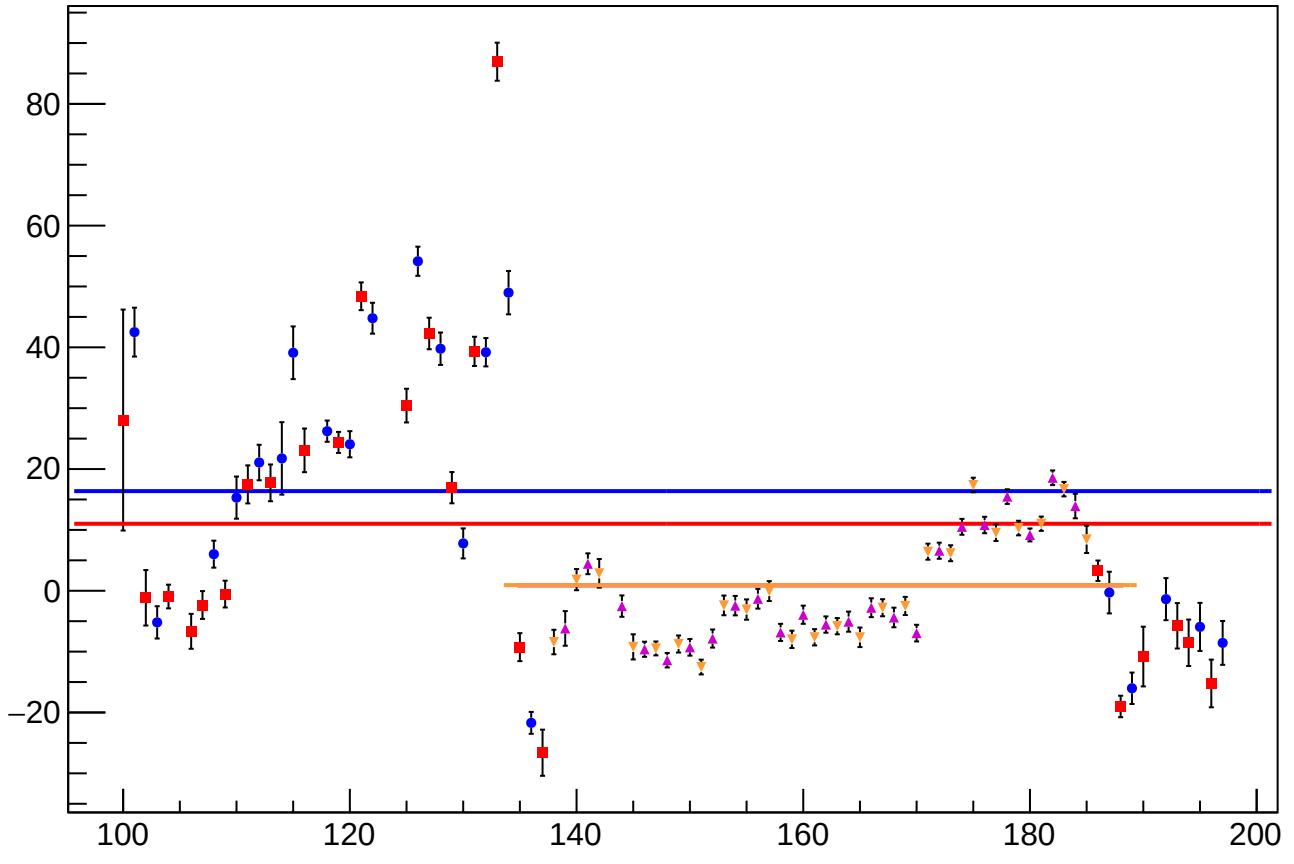
Right Out: 46.932+/-0.365 χ^2/NDF: 5839.2/23

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 22.392+/-0.270 χ^2/NDF: 16355.8/44

All: 23.504+/-0.182 χ^2/NDF: 31728.4/91

- sign 24.436+/-0.247 χ^2/NDF: 15341.4/46



Right In: 16.373+/-0.587 χ^2/NDF: 1583.6/20

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

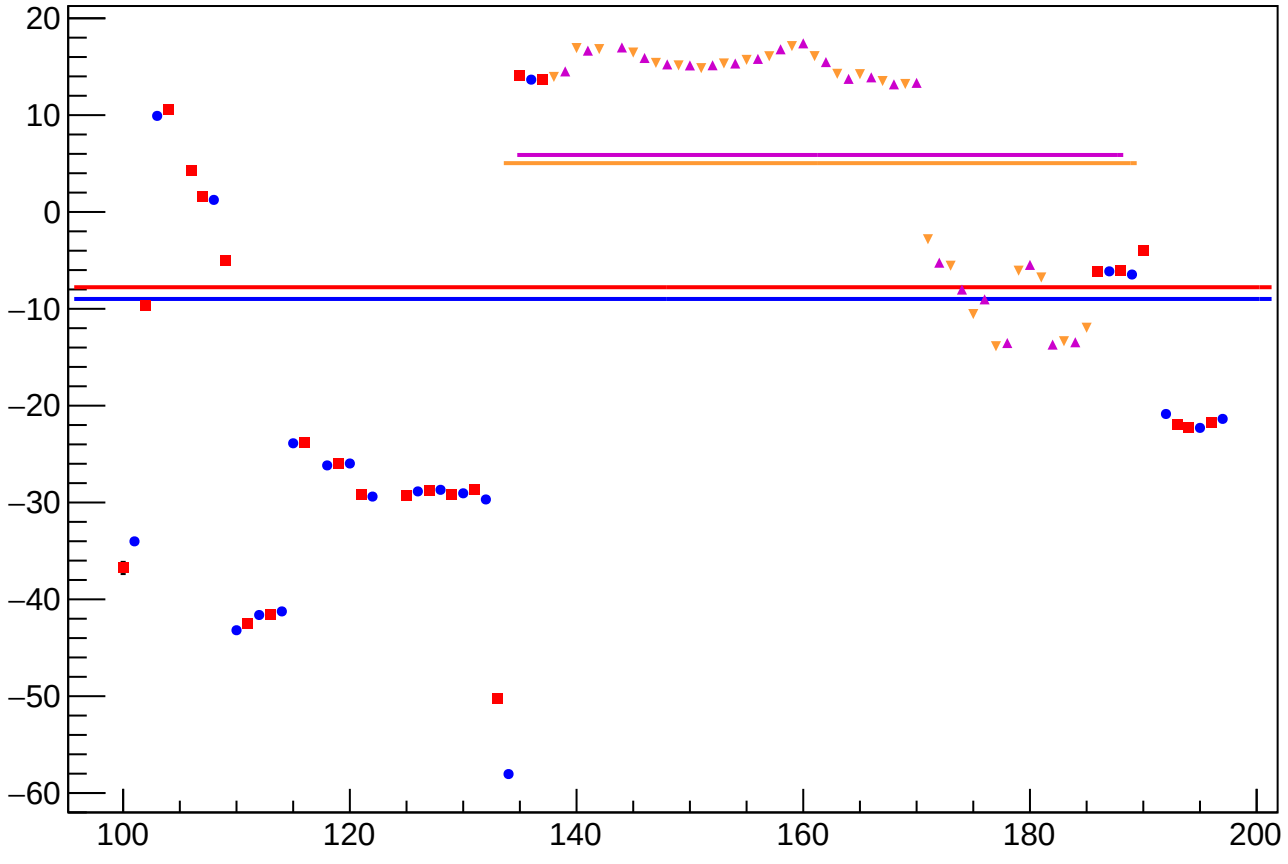
Right Out: 11.011+/-0.531 χ^2/NDF: 2020.7/23

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.988+/-0.261 χ^2/NDF: 3180.1/44

All: 3.638+/-0.184 χ^2/NDF: 6487.3/91

- sign 3.293+/-0.259 χ^2/NDF: 3303.7/46



Right In: -8.983+/-0.029 χ^2/NDF: 451552.9/20

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

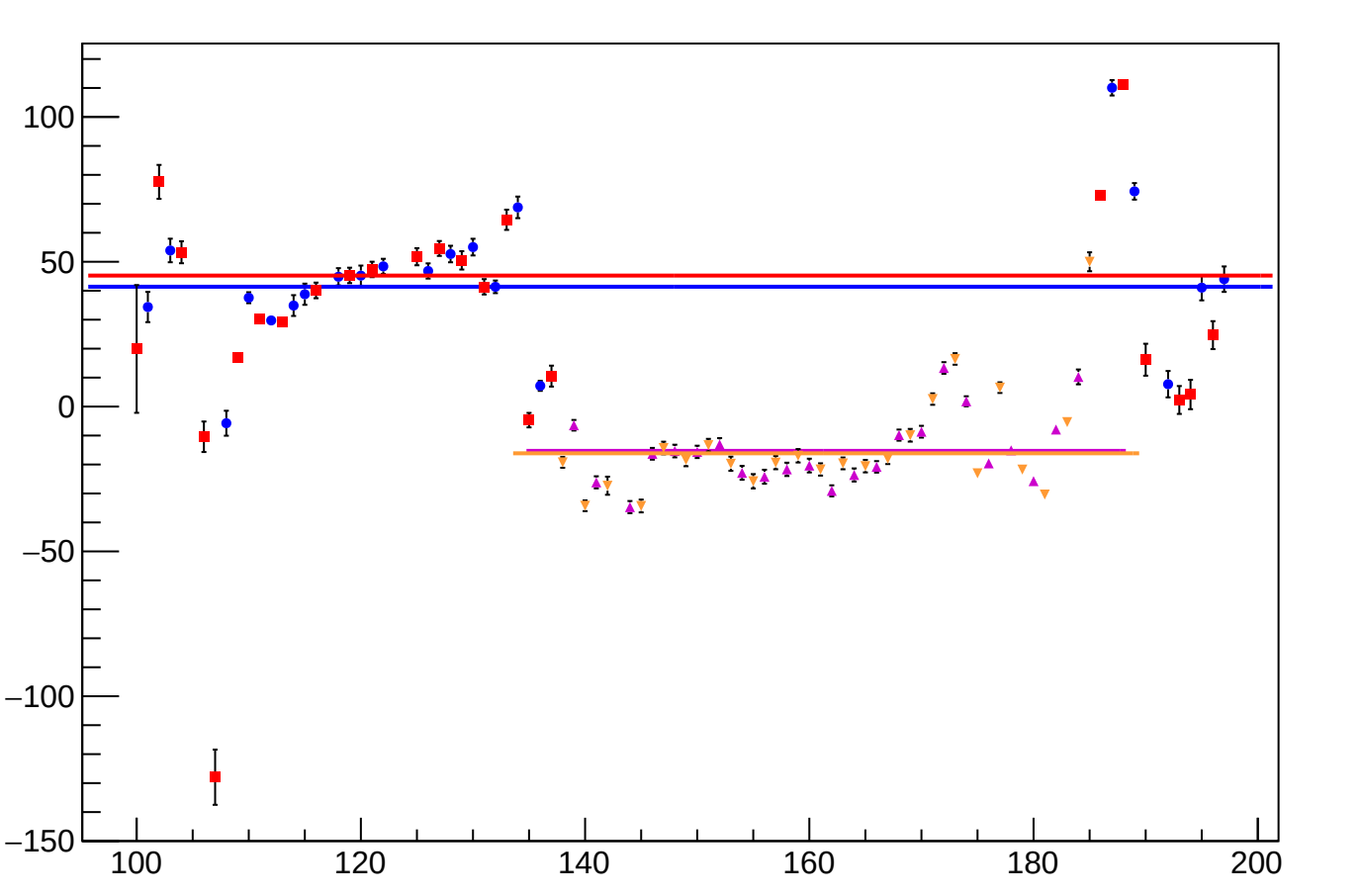
Right Out: -7.770+/-0.027 χ^2/NDF: 360878.0/23

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 2.632+/-0.012 χ^2/NDF: 1505252.1/44

All: 2.980+/-0.008 χ^2/NDF: 2916430.5/91

- sign 3.326+/-0.012 χ^2/NDF: 1409465.5/46



Right In: 41.378+/-0.605 χ^2/NDF: 1539.0/20

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 45.227+/-0.538 χ^2/NDF: 3893.0/23

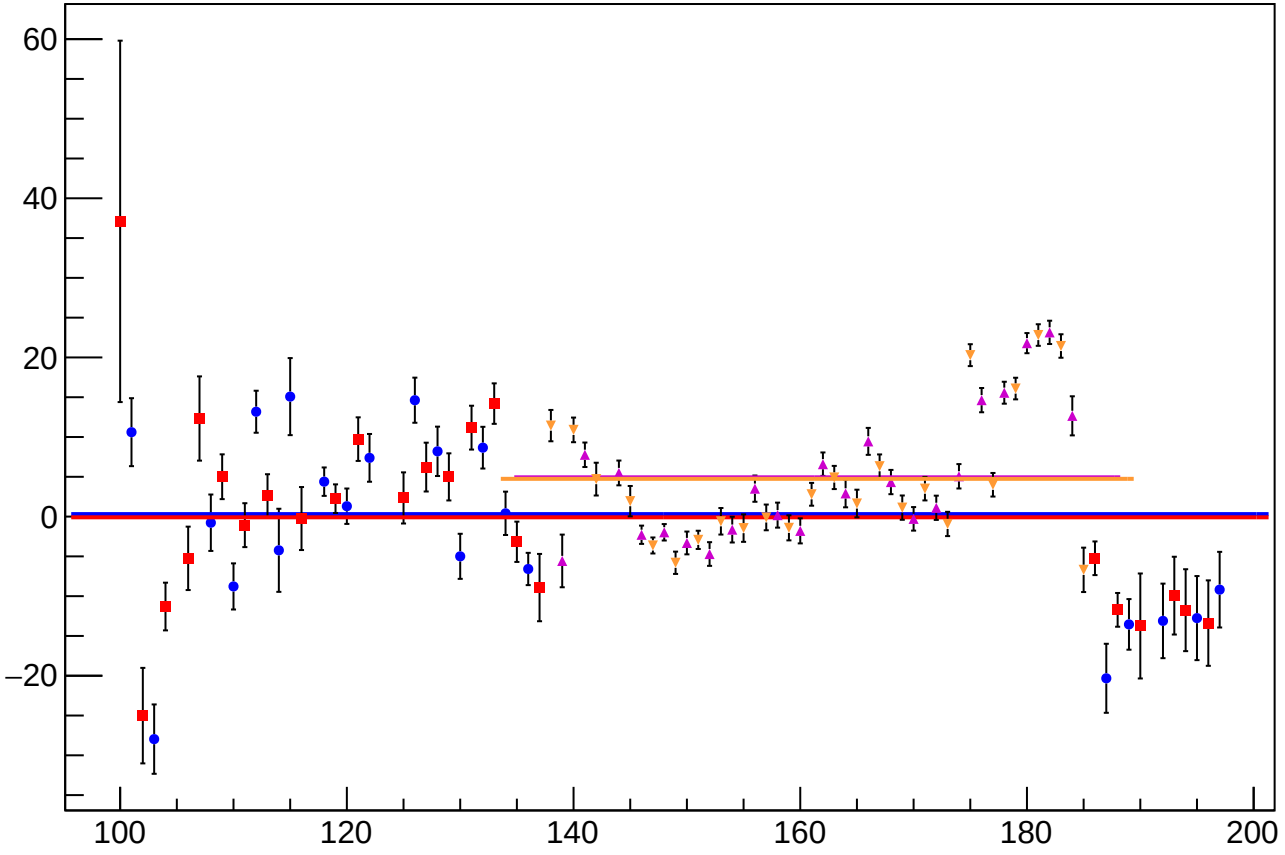
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 1.251+/-0.332 χ^2/NDF: 9218.3/44

All: 3.928+/-0.232 χ^2/NDF: 22093.8/91

- sign 6.452+/-0.323 χ^2/NDF: 12749.5/46

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 0.313+/-0.658 χ^2/NDF: 219.7/20

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

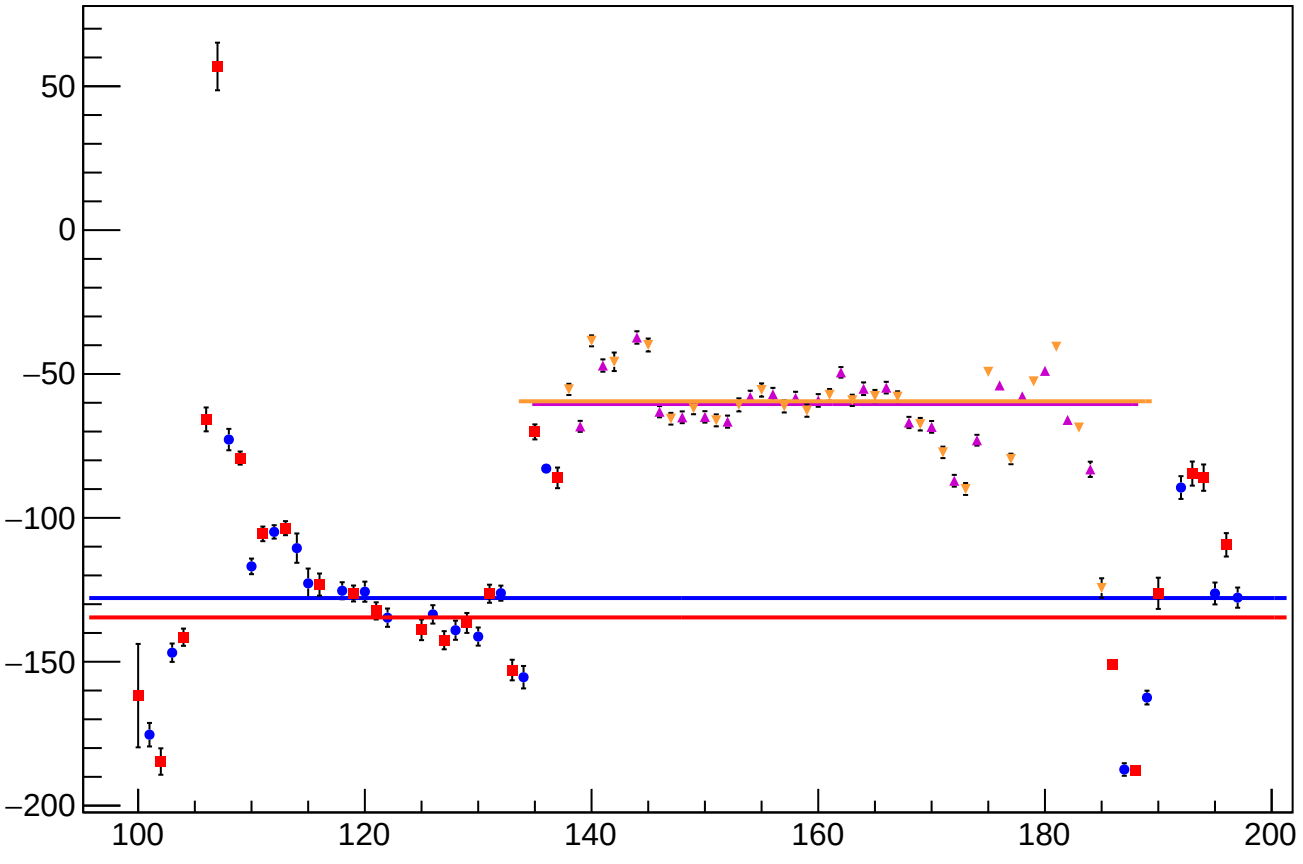
Right Out: -0.092+/-0.628 χ^2/NDF: 177.5/23

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.954+/-0.278 χ^2/NDF: 1050.7/44

All: 3.944+/-0.197 χ^2/NDF: 1968.0/91

- sign 3.934+/-0.280 χ^2/NDF: 917.2/46



Right In: -127.866+/-0.653 χ^2/NDF: 2306.2/20

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

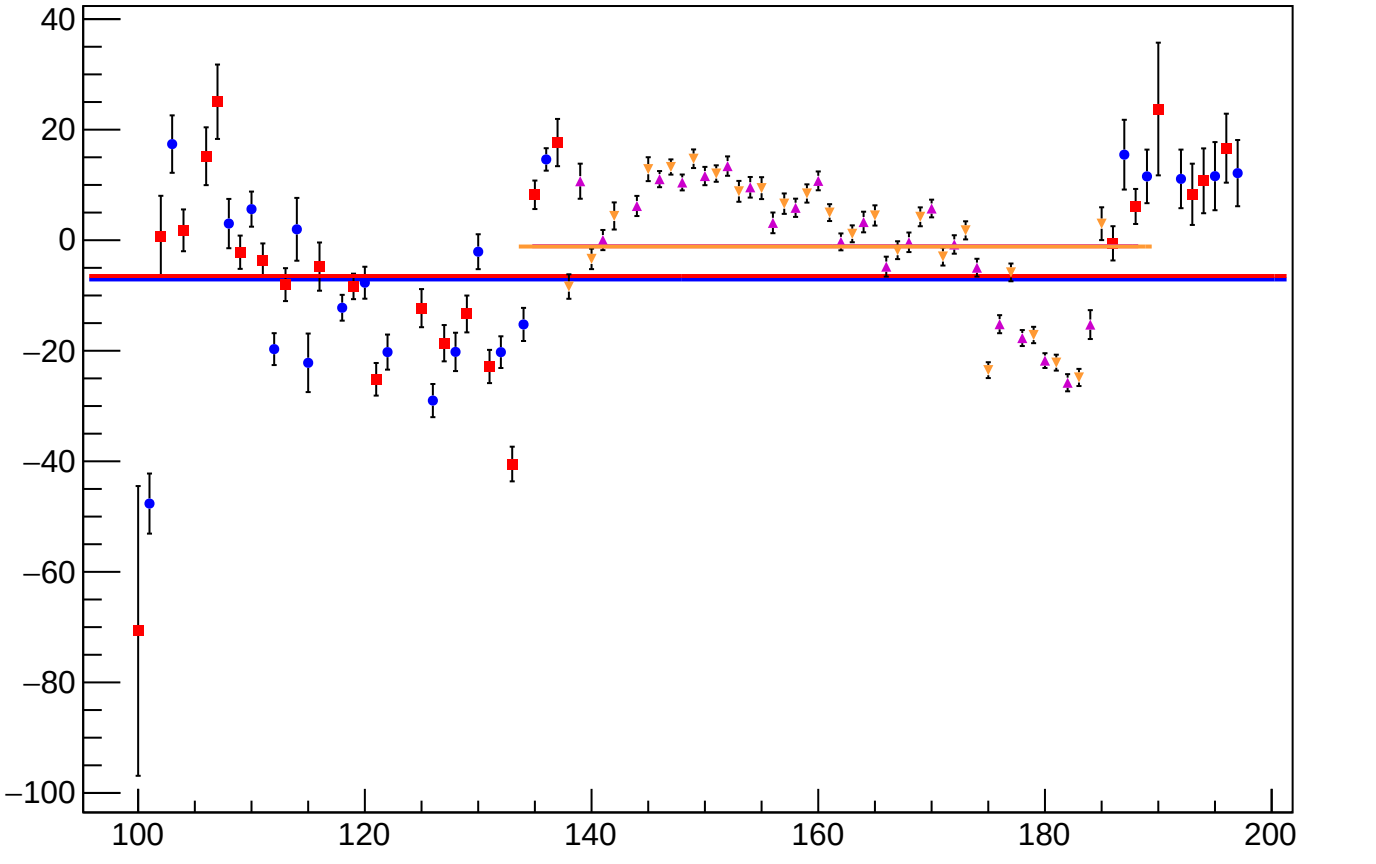
Right Out: -134.596+/-0.565 χ^2/NDF: 5013.5/23

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -77.778+/-0.338 χ^2/NDF: 11701.2/44

All: -81.592+/-0.235 χ^2/NDF: 29110.5/91

\- sign -85.145+/-0.326 χ^2/NDF: 17163.3/46



Right In: -7.099+/-0.759 χ^2/NDF: 422.7/20

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

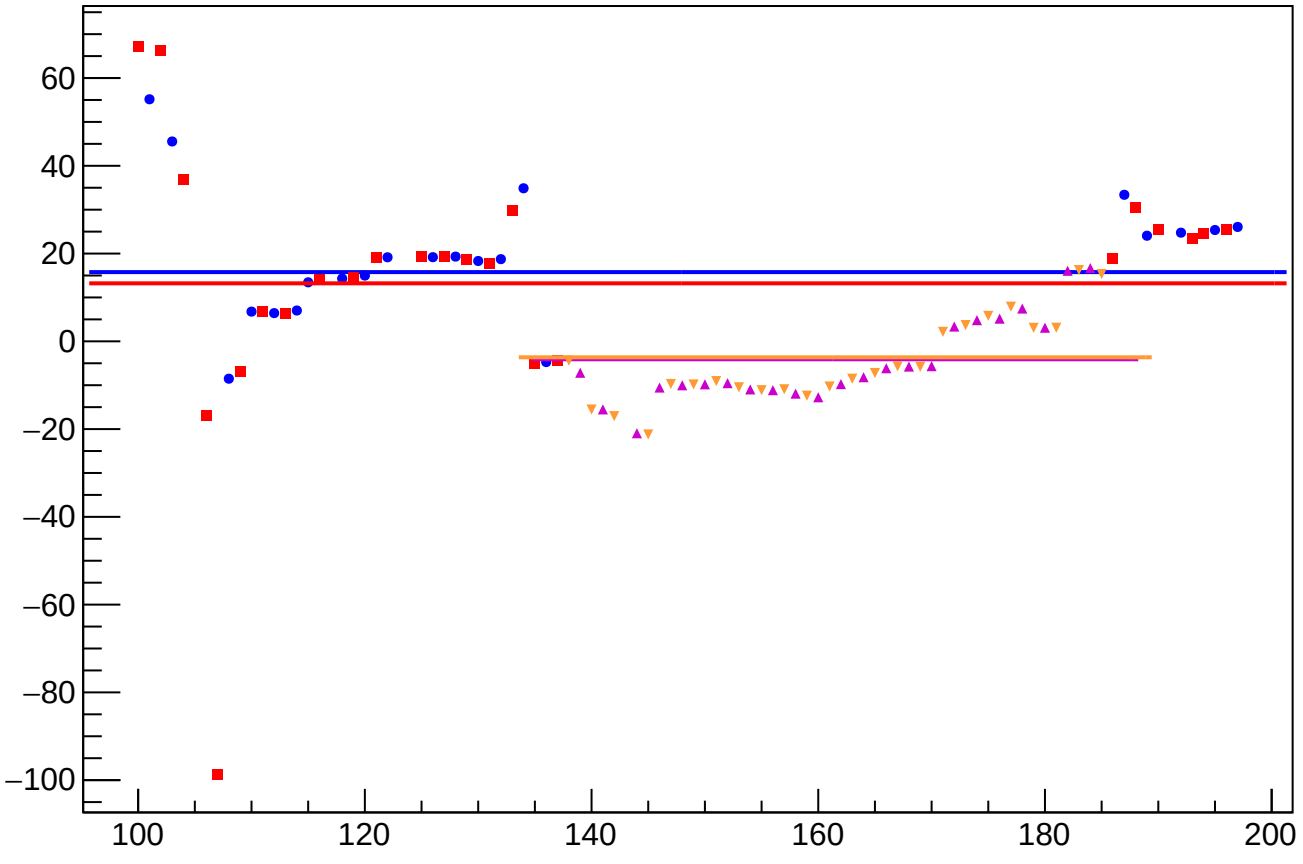
Right Out: -6.478+/-0.741 χ^2/NDF: 382.7/23

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.167+/-0.314 χ^2/NDF: 1776.7/44

All: -2.121+/-0.224 χ^2/NDF: 3360.1/91

- sign -2.074+/-0.318 χ^2/NDF: 1583.4/46



Right In: 15.775+/-0.041 χ^2/NDF: 198381.6/20

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

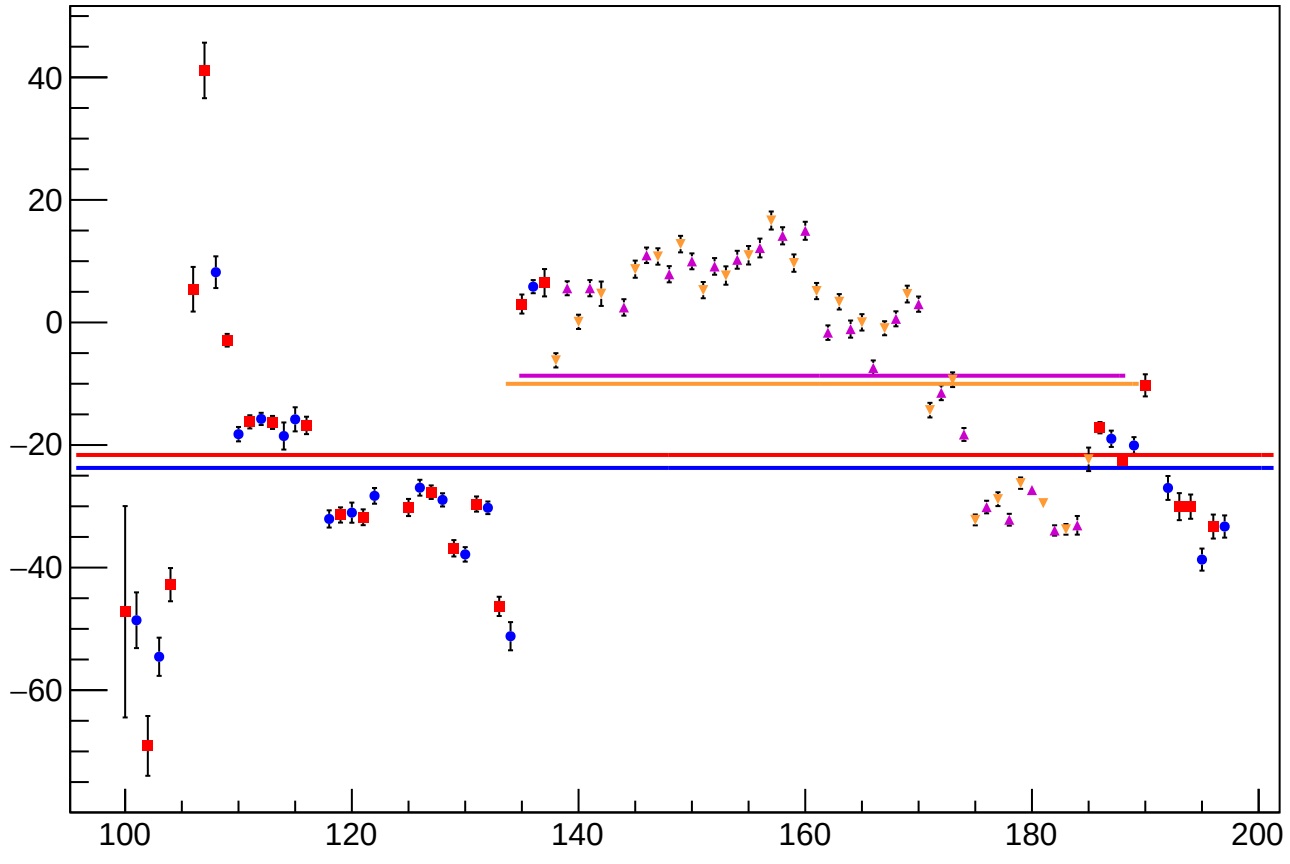
Right Out: 13.217+/-0.041 χ^2/NDF: 324011.3/23

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -1.191+/-0.014 χ^2/NDF: 743341.9/44

All: -1.539+/-0.010 χ^2/NDF: 1559764.2/91

- sign -1.890+/-0.015 χ^2/NDF: 815256.0/46



Right In: -23.736+/-0.314 χ^2/NDF: 1689.1/20

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

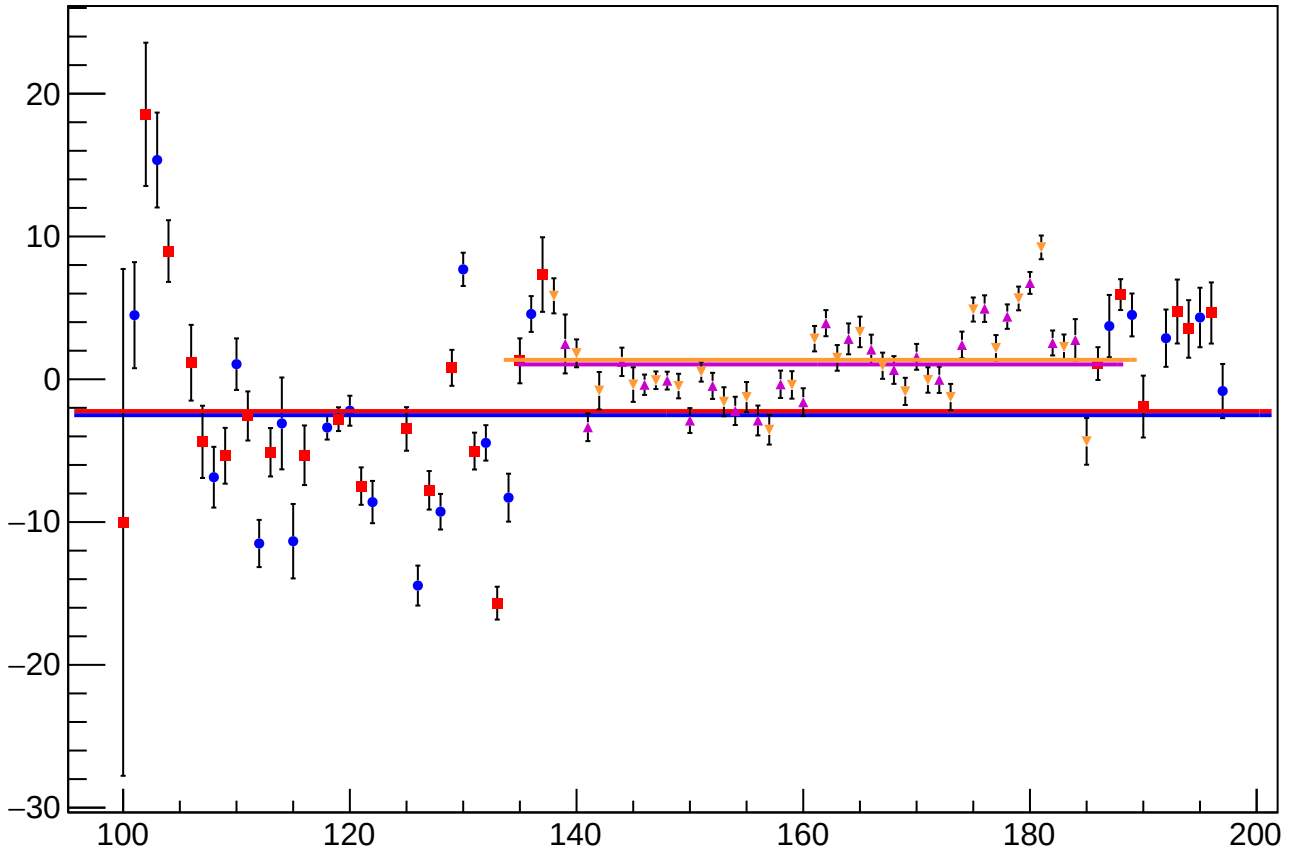
Right Out: -21.623+/-0.287 χ^2/NDF: 1946.3/23

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

\+ sign -15.182+/-0.193 χ^2/NDF: 7854.9/44

All: -14.687+/-0.134 χ^2/NDF: 16001.9/91

\- sign -14.220+/-0.187 χ^2/NDF: 8134.1/46



Right In: -2.514+/-0.333 χ^2/NDF: 373.6/20

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -2.226+/-0.320 χ^2/NDF: 347.3/23

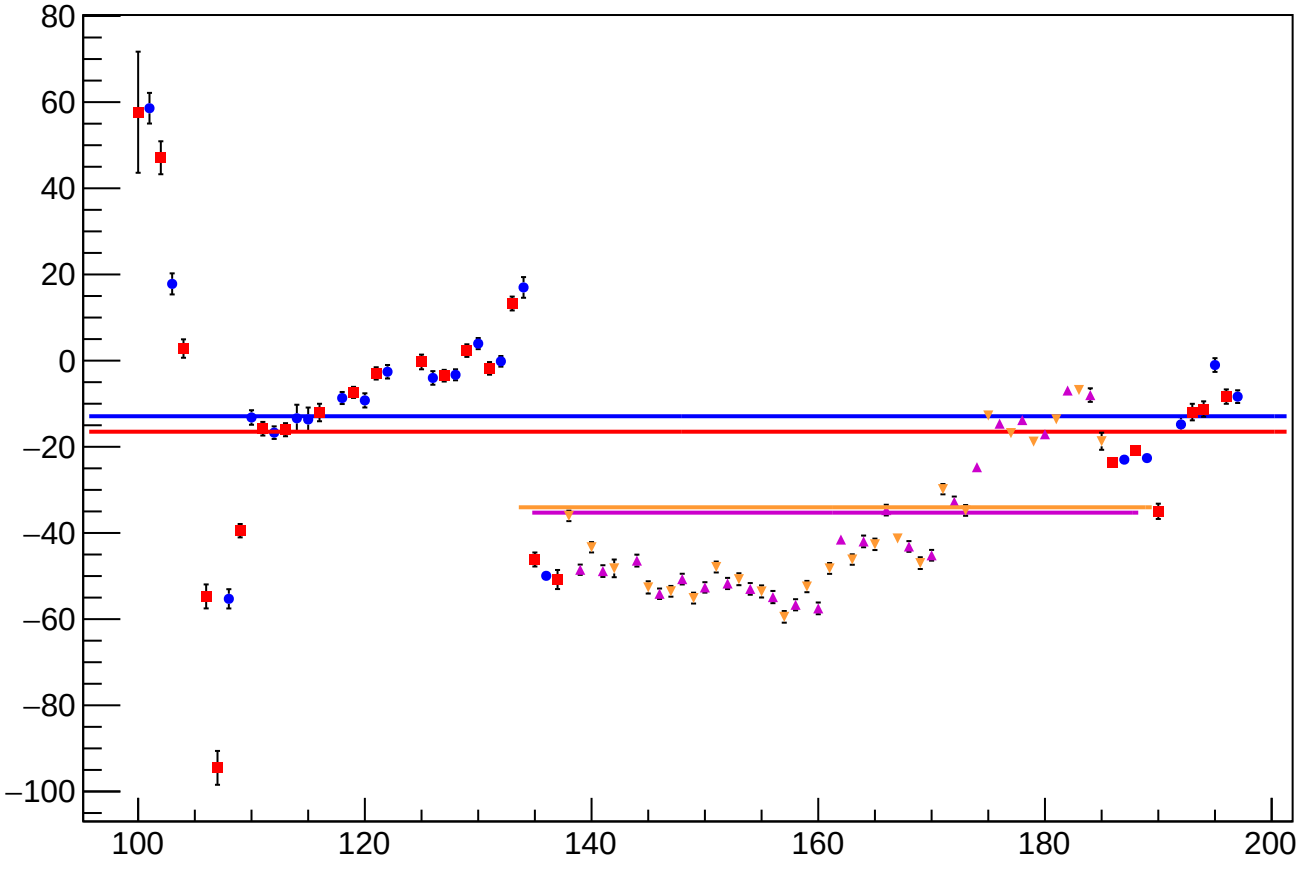
Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

\+ sign 0.422+/-0.164 χ^2/NDF: 716.5/44

All: 0.298+/-0.116 χ^2/NDF: 1337.6/91

\- sign 0.173+/-0.165 χ^2/NDF: 619.9/46

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -12.907+/-0.336 χ^2/NDF: 2896.4/20

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.497+/-0.294 χ^2/NDF: 2987.4/23

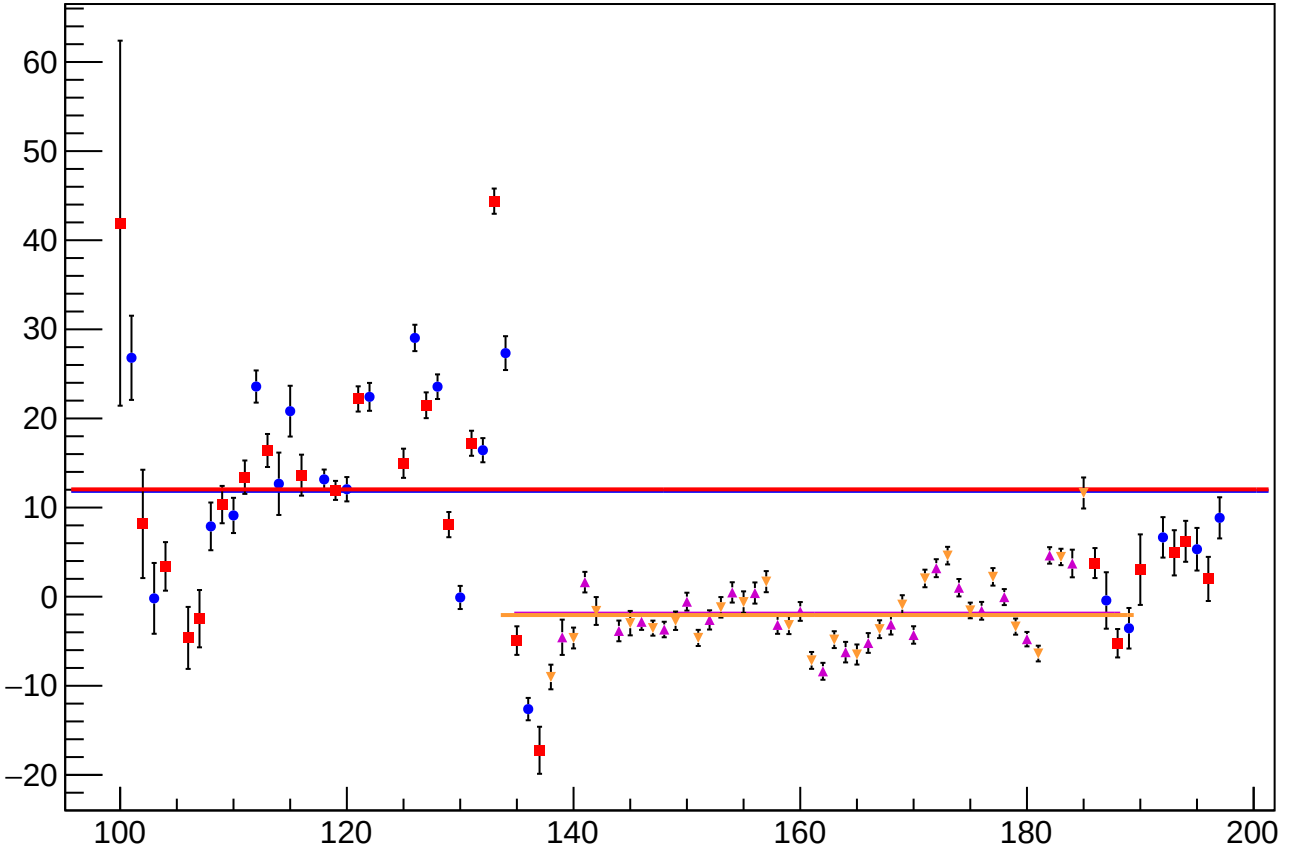
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -26.805+/-0.197 χ^2/NDF: 10459.5/44

All: -27.210+/-0.136 χ^2/NDF: 20856.1/91

- sign -27.581+/-0.189 χ^2/NDF: 10388.5/46

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.874+/-0.387 χ^2/NDF: 947.1/20

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

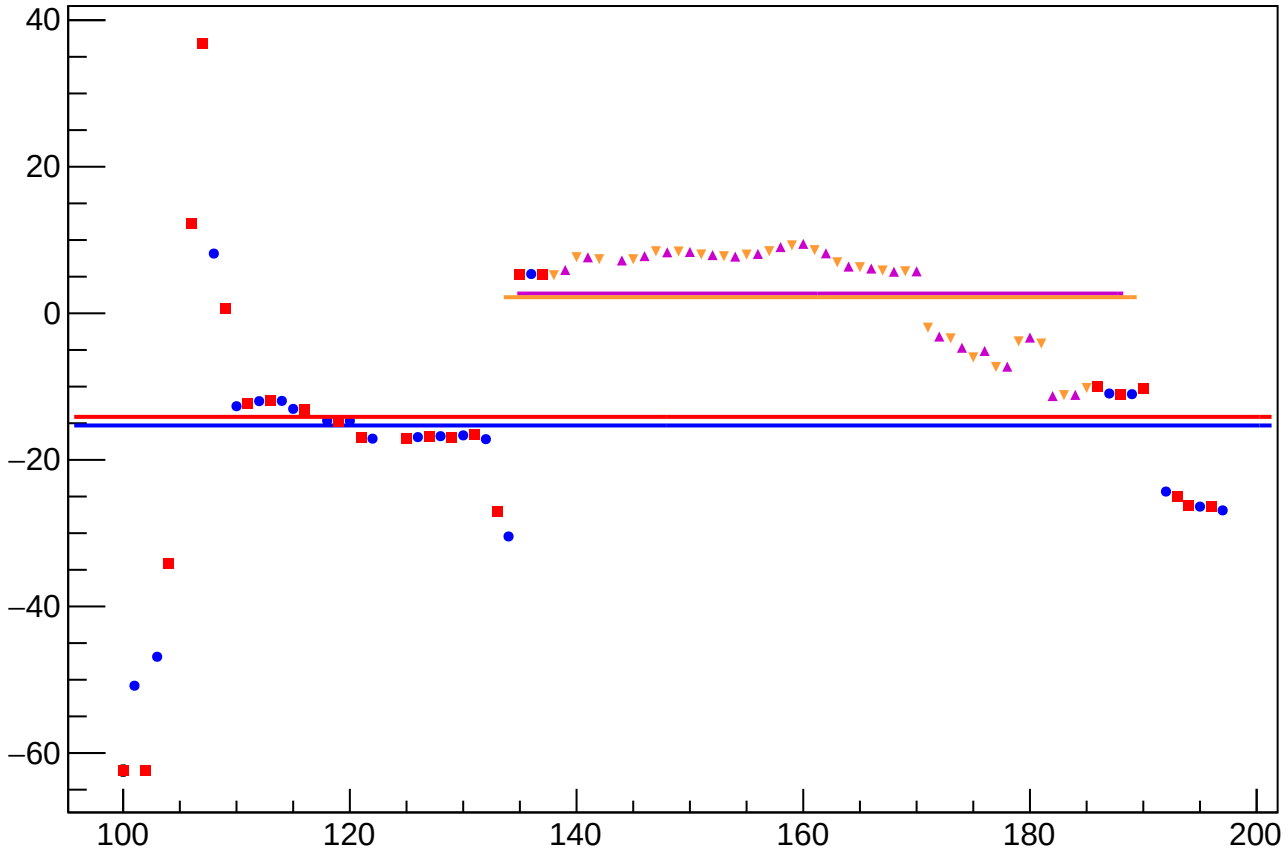
Right Out: 12.041+/-0.380 χ^2/NDF: 1116.1/23

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

\+ sign 1.155+/-0.186 χ^2/NDF: 2274.9/44

All: 1.327+/-0.132 χ^2/NDF: 4631.7/91

\- sign 1.503+/-0.188 χ^2/NDF: 2355.1/46



Right In: -15.304+/-0.022 χ^2/NDF: 446772.8/20

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -14.128+/-0.021 χ^2/NDF: 499069.7/23

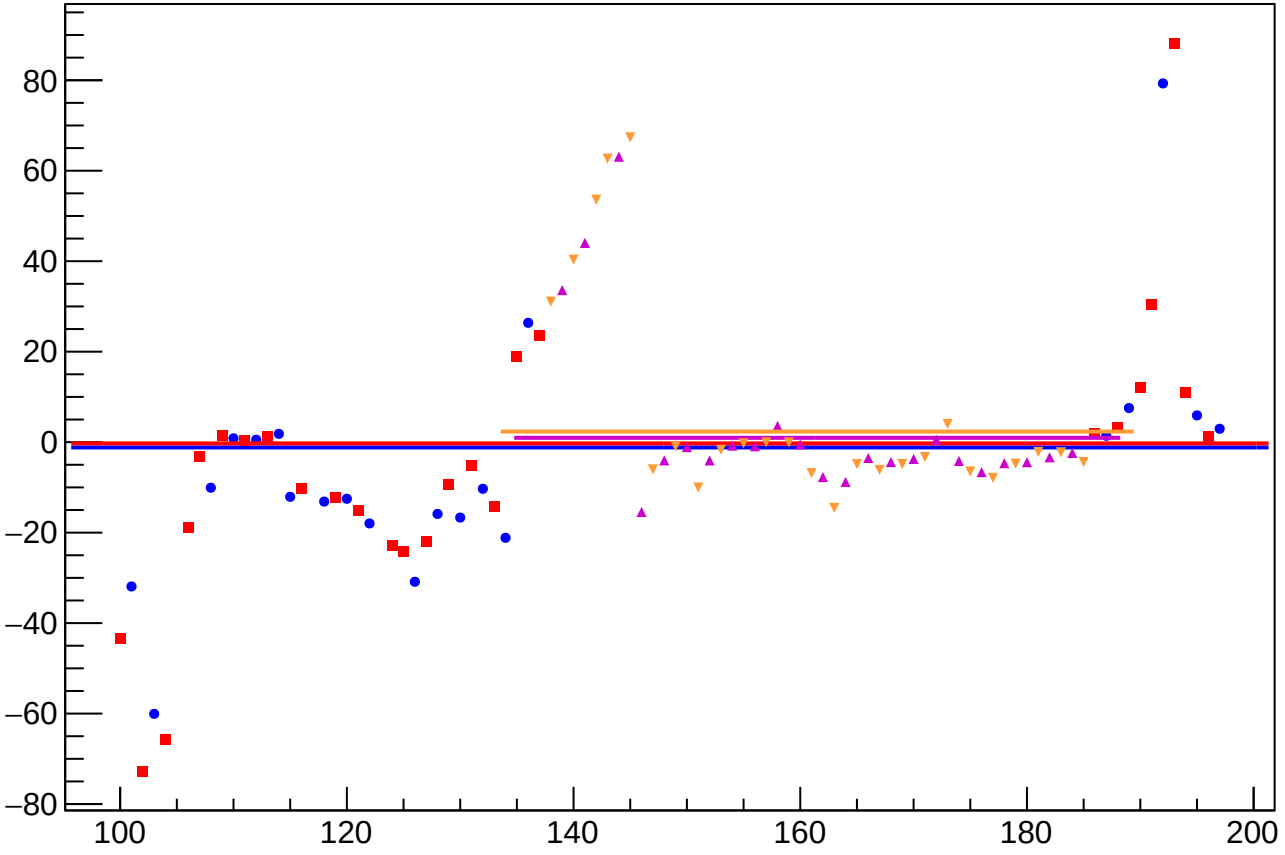
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -0.653+/-0.009 χ^2/NDF: 1508814.5/44

All: -0.378+/-0.006 χ^2/NDF: 3023708.3/91

\- sign -0.099+/-0.009 χ^2/NDF: 1512870.0/46

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -1.171+/-0.047 χ^2/NDF: 112735.6/20

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -0.276+/-0.040 χ^2/NDF: 114588.8/25

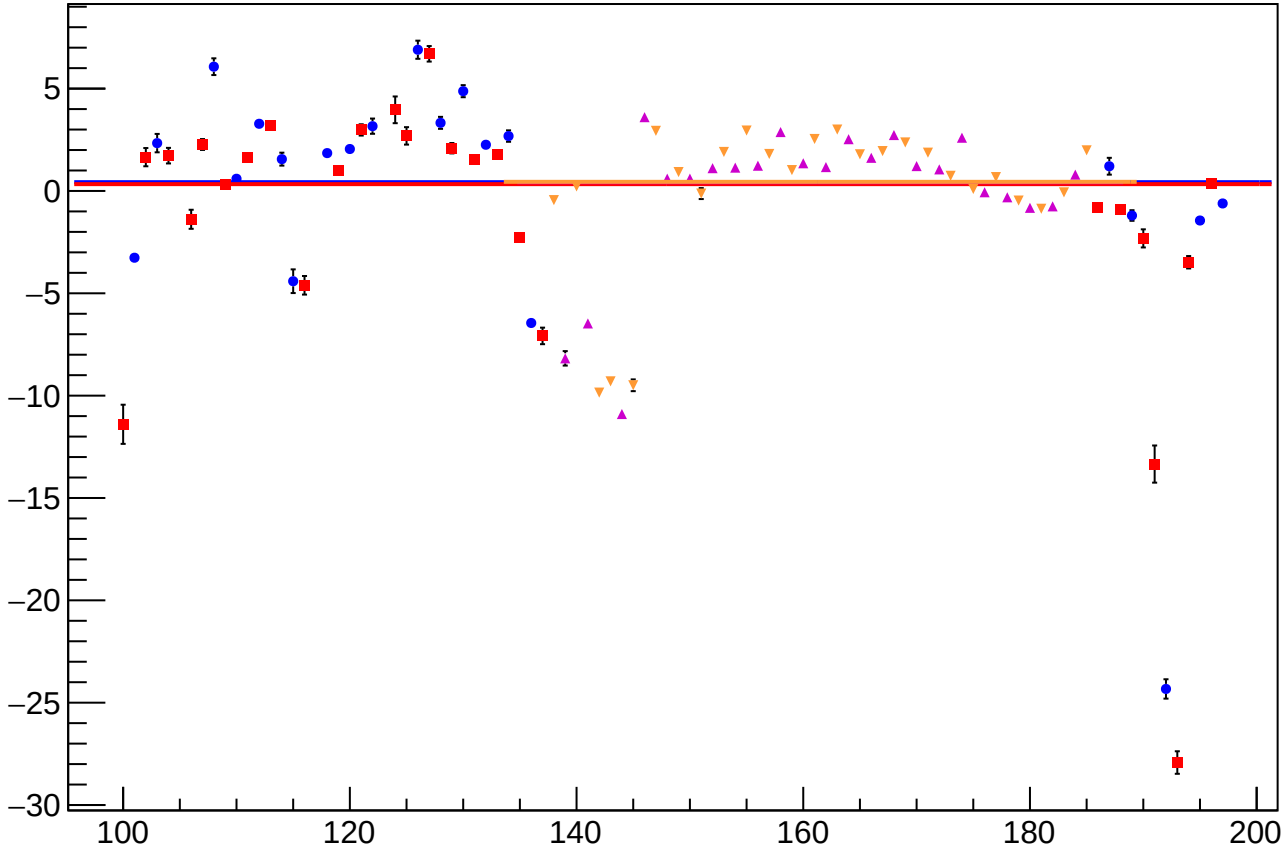
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.863+/-0.031 χ^2/NDF: 292923.3/45

All: 0.576+/-0.021 χ^2/NDF: 540675.9/94

- sign 0.334+/-0.028 χ^2/NDF: 247590.5/48

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.429+/-0.053 χ^2/NDF: 5656.9/20

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.333+/-0.049 χ^2/NDF: 4912.7/25

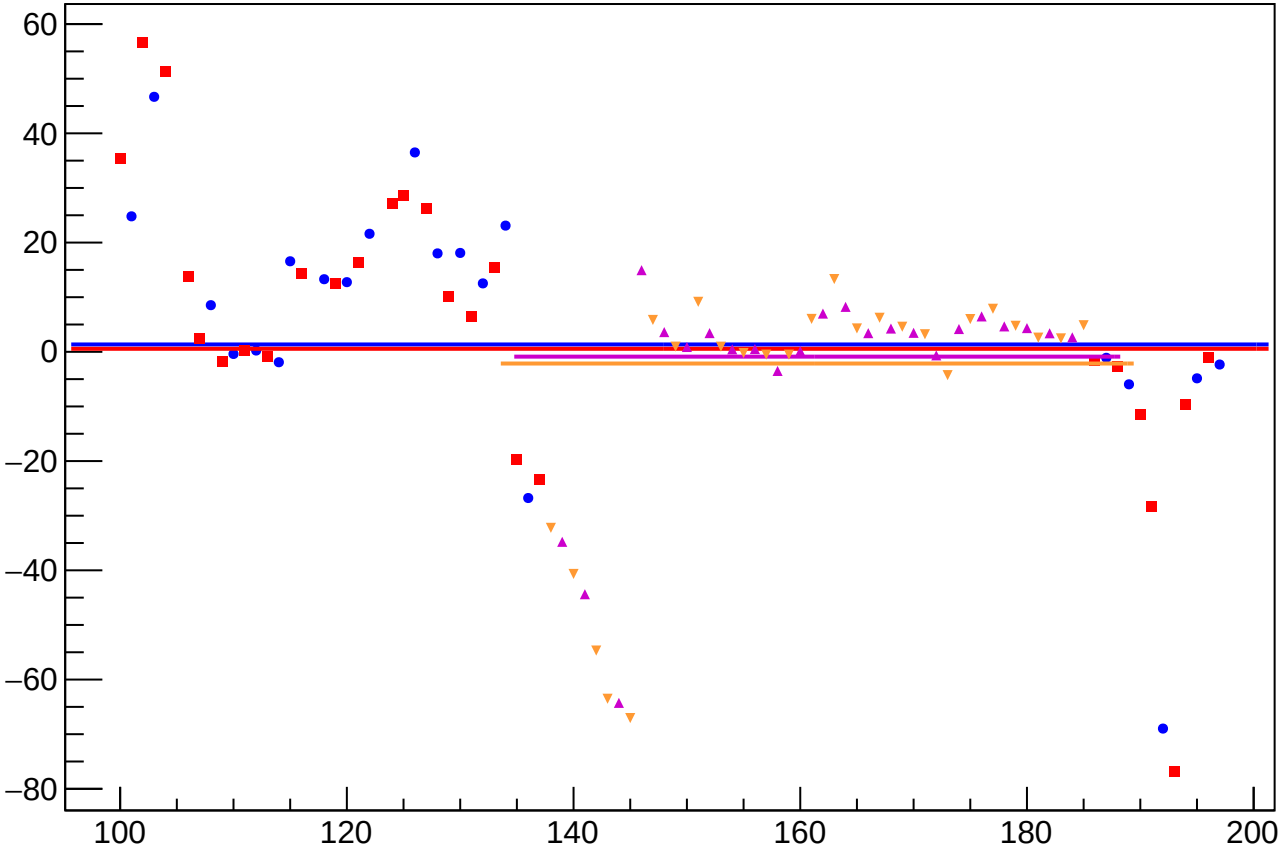
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.441+/-0.028 χ^2/NDF: 12701.4/45

All: 0.420+/-0.019 χ^2/NDF: 24720.2/94

- sign 0.400+/-0.027 χ^2/NDF: 12017.7/48

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 1.348+/-0.050 χ^2/NDF: 111794.9/20

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

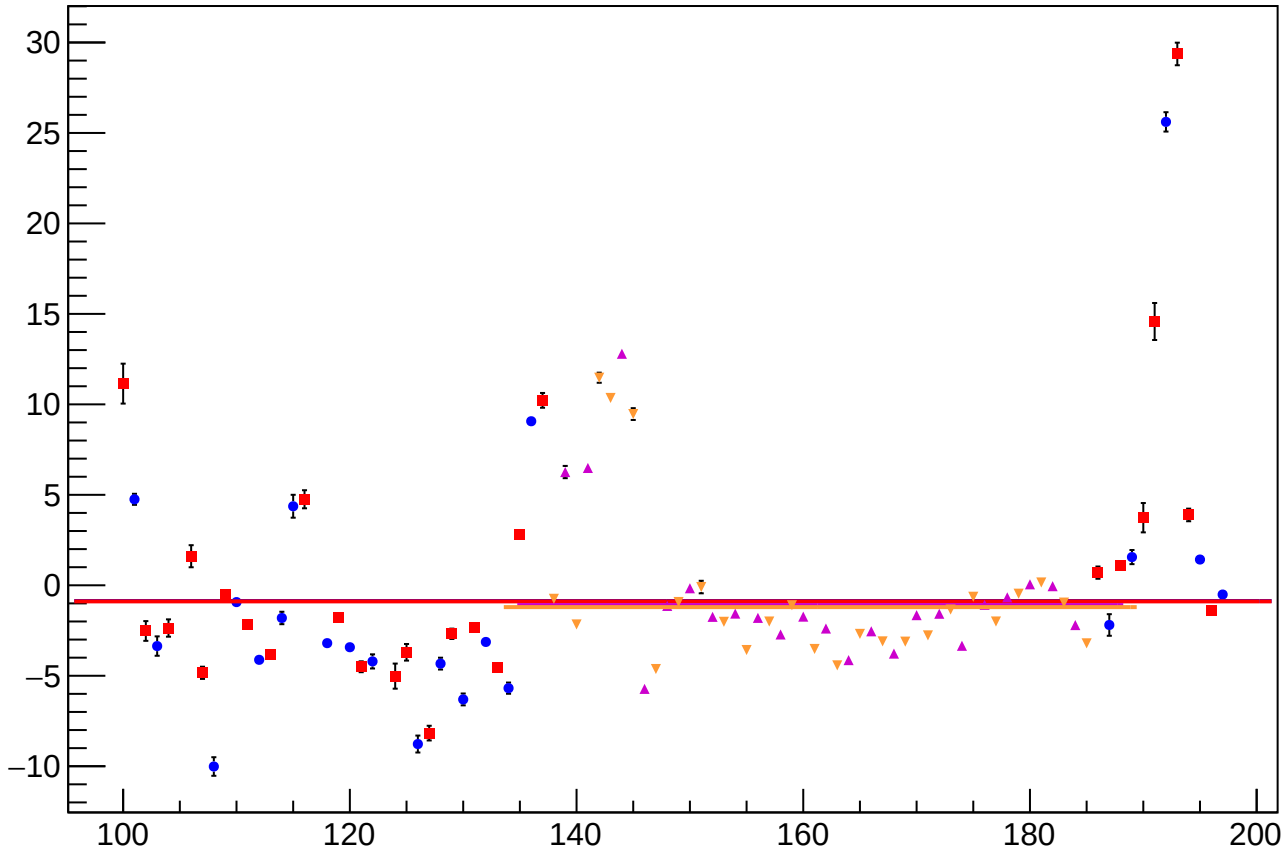
Right Out: 0.555+/-0.043 χ^2/NDF: 112924.0/25

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -0.773+/-0.031 χ^2/NDF: 286017.7/45

All: -0.481+/-0.021 χ^2/NDF: 528905.6/94

- sign -0.229+/-0.029 χ^2/NDF: 242726.6/48



Right In: -0.869+/-0.062 χ^2/NDF: 7236.5/20

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.888+/-0.058 χ^2/NDF: 5498.0/25

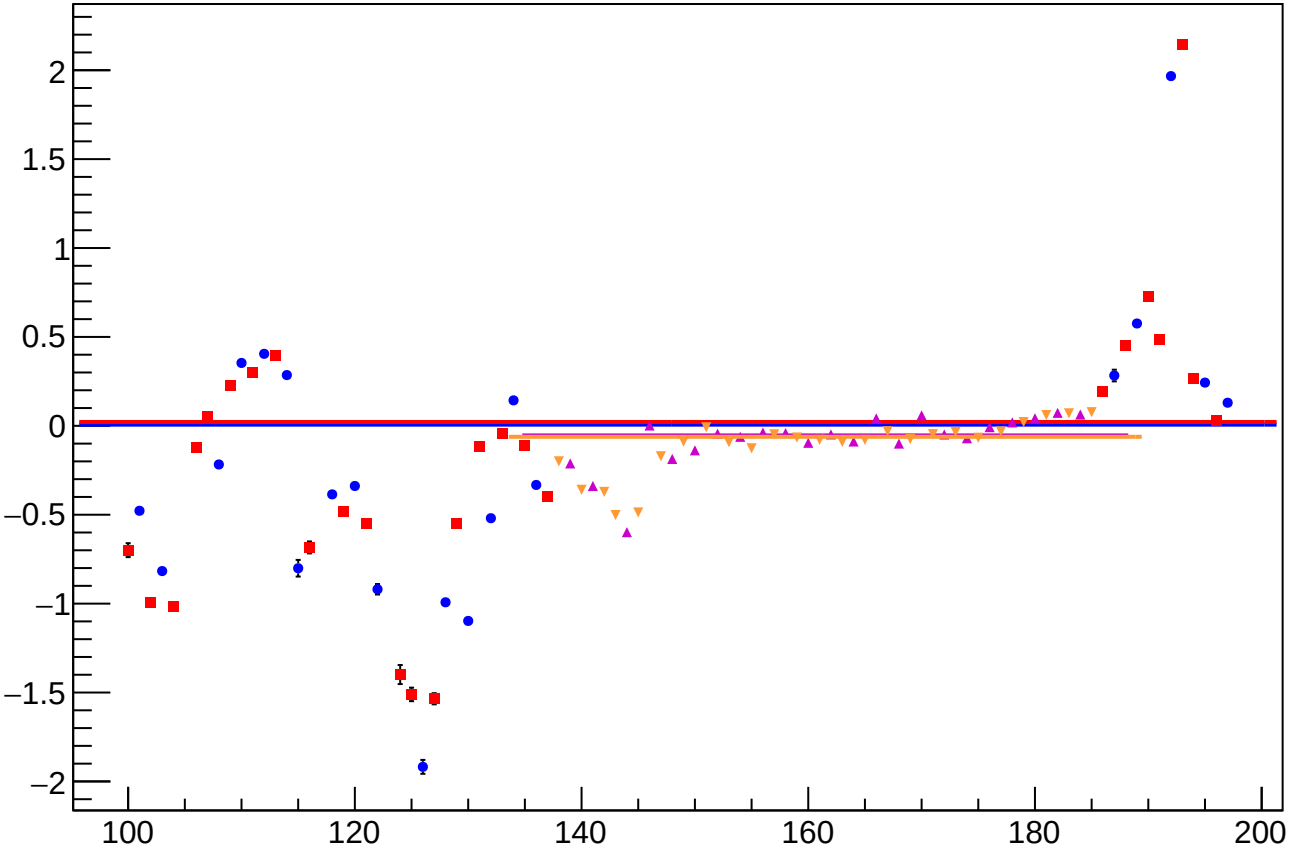
Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.120+/-0.031 χ^2/NDF: 14261.5/45

All: -1.078+/-0.022 χ^2/NDF: 26801.5/94

- sign -1.039+/-0.030 χ^2/NDF: 12536.5/48

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.007+/-0.003 χ^2/NDF: 32532.5/20

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.022+/-0.003 χ^2/NDF: 32771.1/25

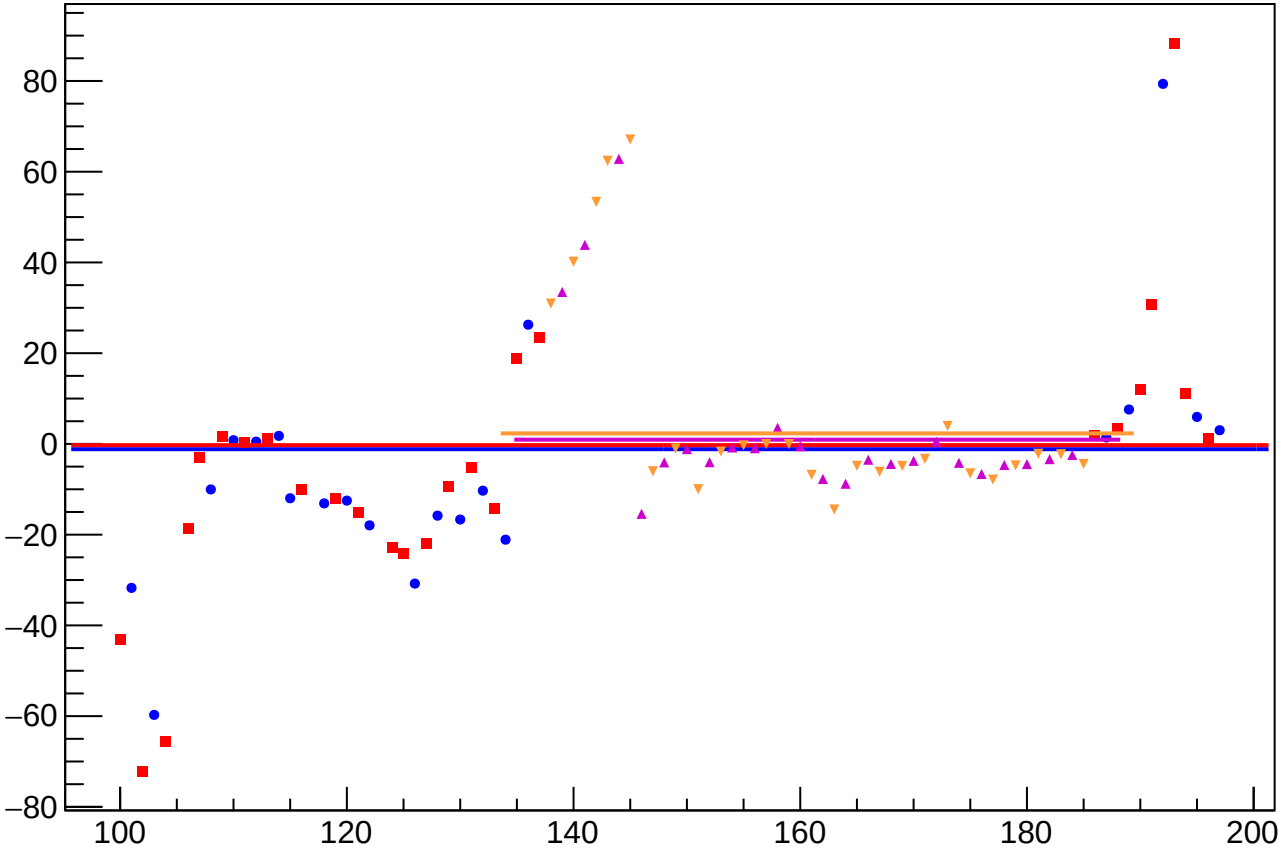
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.047+/-0.001 χ^2/NDF: 38631.5/45

All: -0.043+/-0.001 χ^2/NDF: 76957.9/94

- sign -0.039+/-0.001 χ^2/NDF: 38307.3/48

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -1.163+/-0.047 χ^2/NDF: 113100.4/20

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -0.268+/-0.039 χ^2/NDF: 114965.4/25

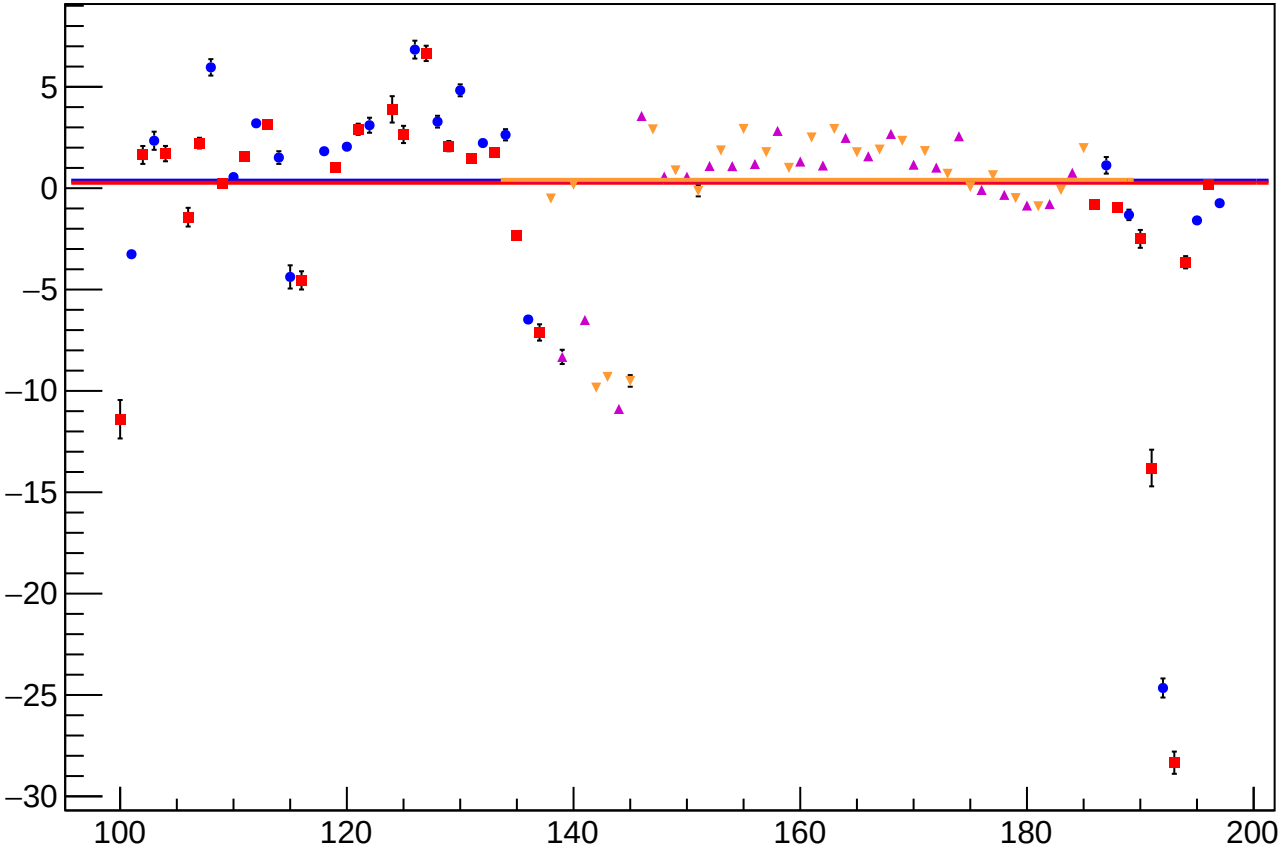
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.849+/-0.031 χ^2/NDF: 293021.1/45

All: 0.564+/-0.021 χ^2/NDF: 541015.7/94

- sign 0.325+/-0.028 χ^2/NDF: 247834.0/48

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.372+/-0.053 χ^2/NDF: 5767.1/20

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.269+/-0.049 χ^2/NDF: 5053.9/25

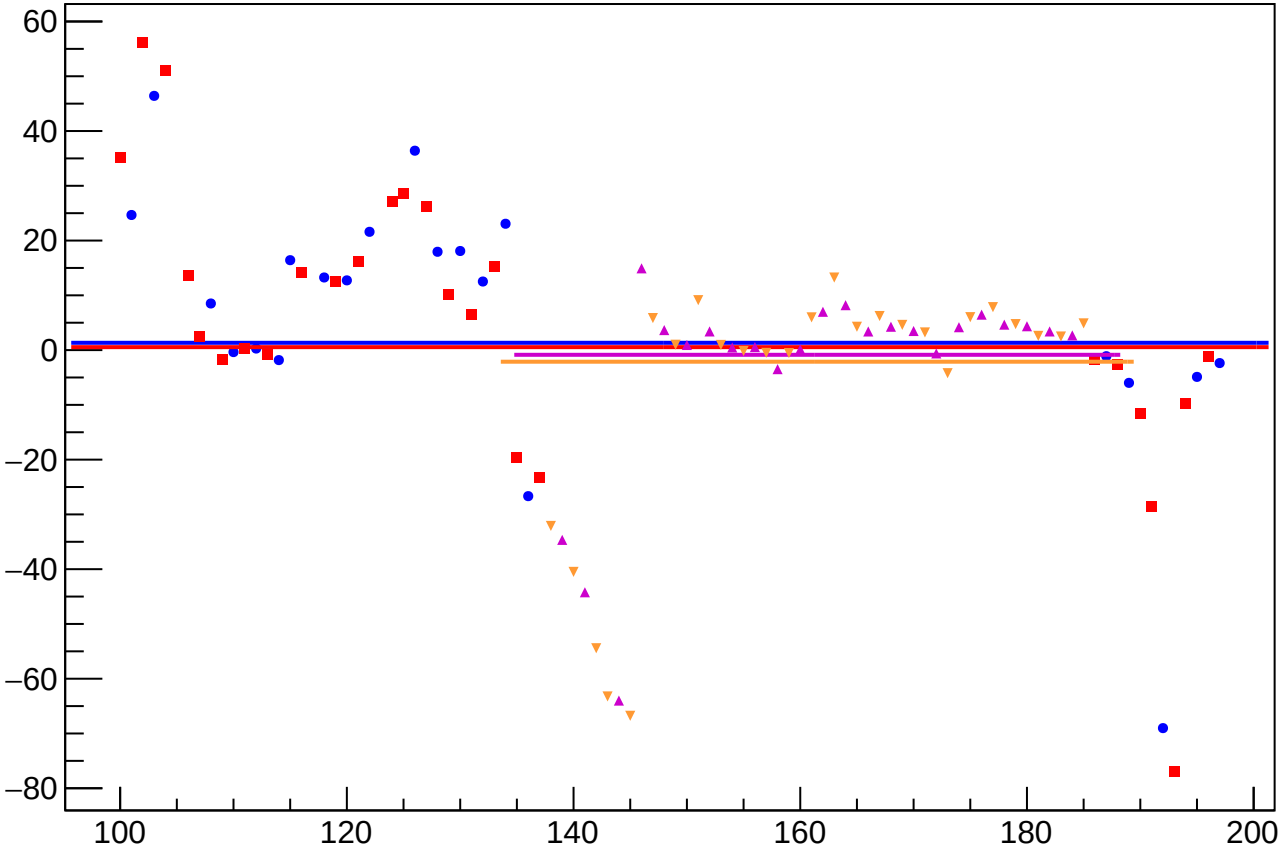
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

\+ sign 0.402+/-0.028 χ^2/NDF: 12814.8/45

All: 0.377+/-0.019 χ^2/NDF: 24988.7/94

\- sign 0.354+/-0.026 χ^2/NDF: 12172.4/48

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 1.335+/-0.050 χ^2/NDF: 112150.9/20

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 0.539+/-0.043 χ^2/NDF: 113299.1/25

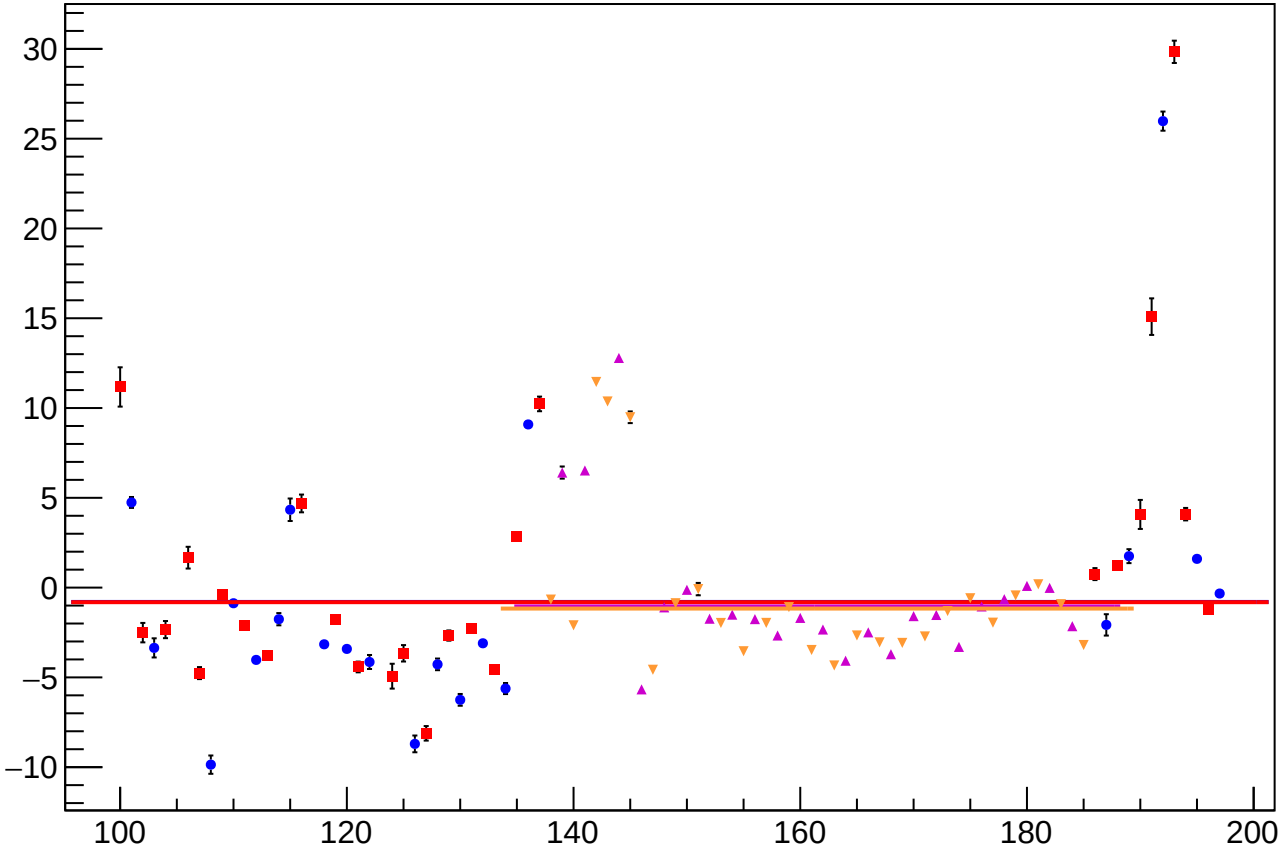
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -0.761+/-0.031 χ^2/NDF: 286106.0/45

All: -0.470+/-0.021 χ^2/NDF: 529229.2/94

- sign -0.221+/-0.029 χ^2/NDF: 242962.5/48

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.799+/-0.062 χ^2/NDF: 7335.1/20

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.811+/-0.058 χ^2/NDF: 5633.4/25

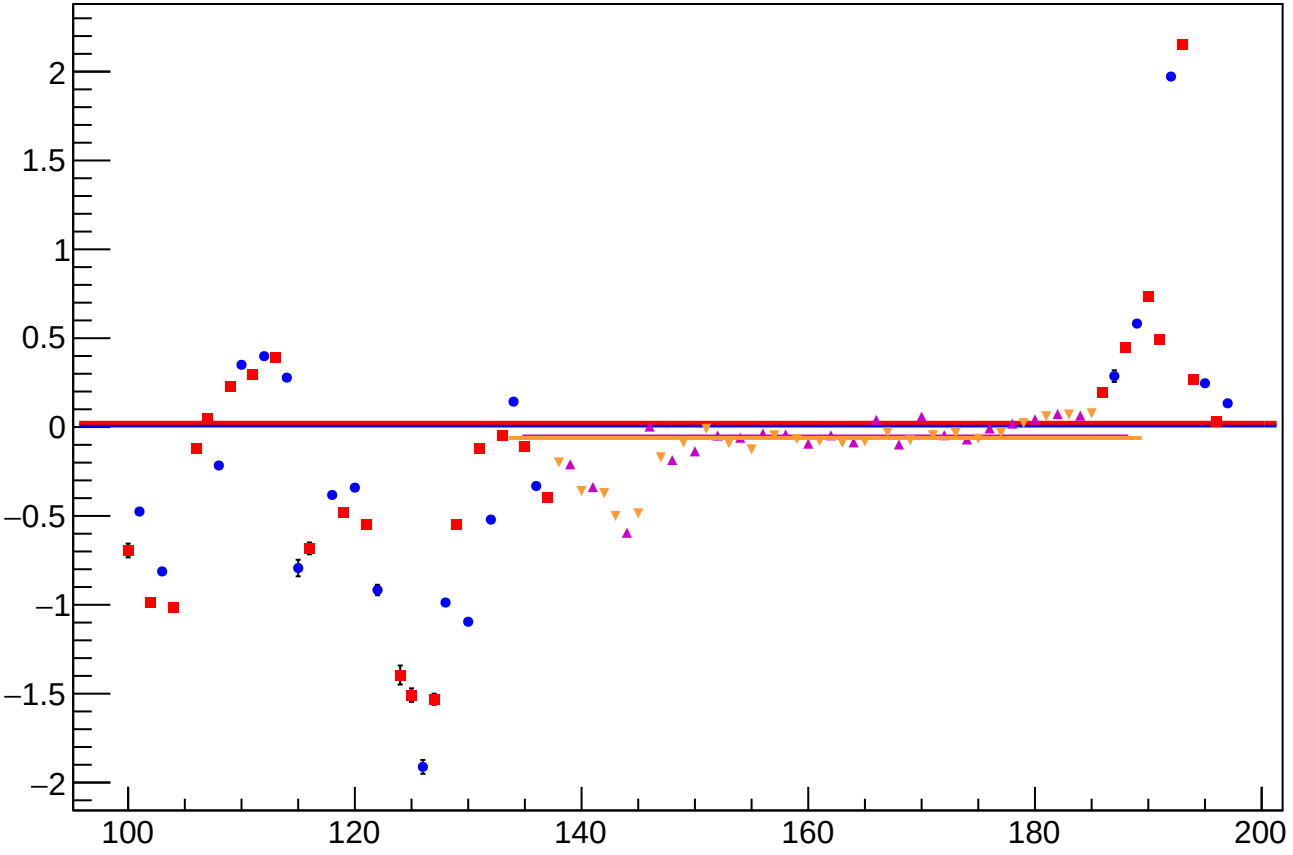
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.073+/-0.031 χ^2/NDF: 14363.0/45

All: -1.027+/-0.022 χ^2/NDF: 27053.7/94

- sign -0.985+/-0.030 χ^2/NDF: 12686.5/48

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.009+/-0.003 χ^2/NDF: 32789.5/20

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.024+/-0.003 χ^2/NDF: 33044.4/25

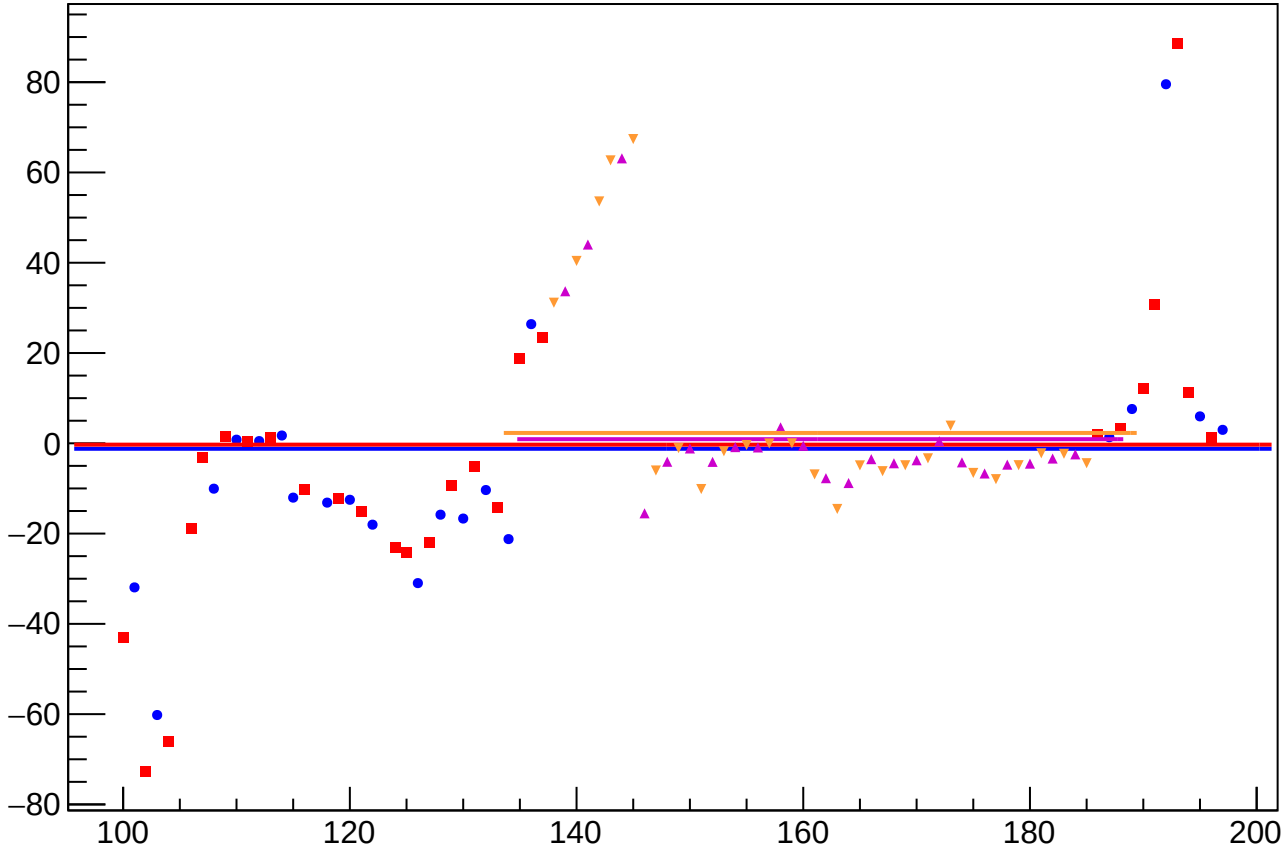
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.047+/-0.001 χ^2/NDF: 38929.4/45

All: -0.042+/-0.001 χ^2/NDF: 77532.4/94

- sign -0.038+/-0.001 χ^2/NDF: 38582.4/48

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -1.213+/-0.047 χ^2/NDF: 113084.3/20

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -0.298+/-0.039 χ^2/NDF: 114973.3/25

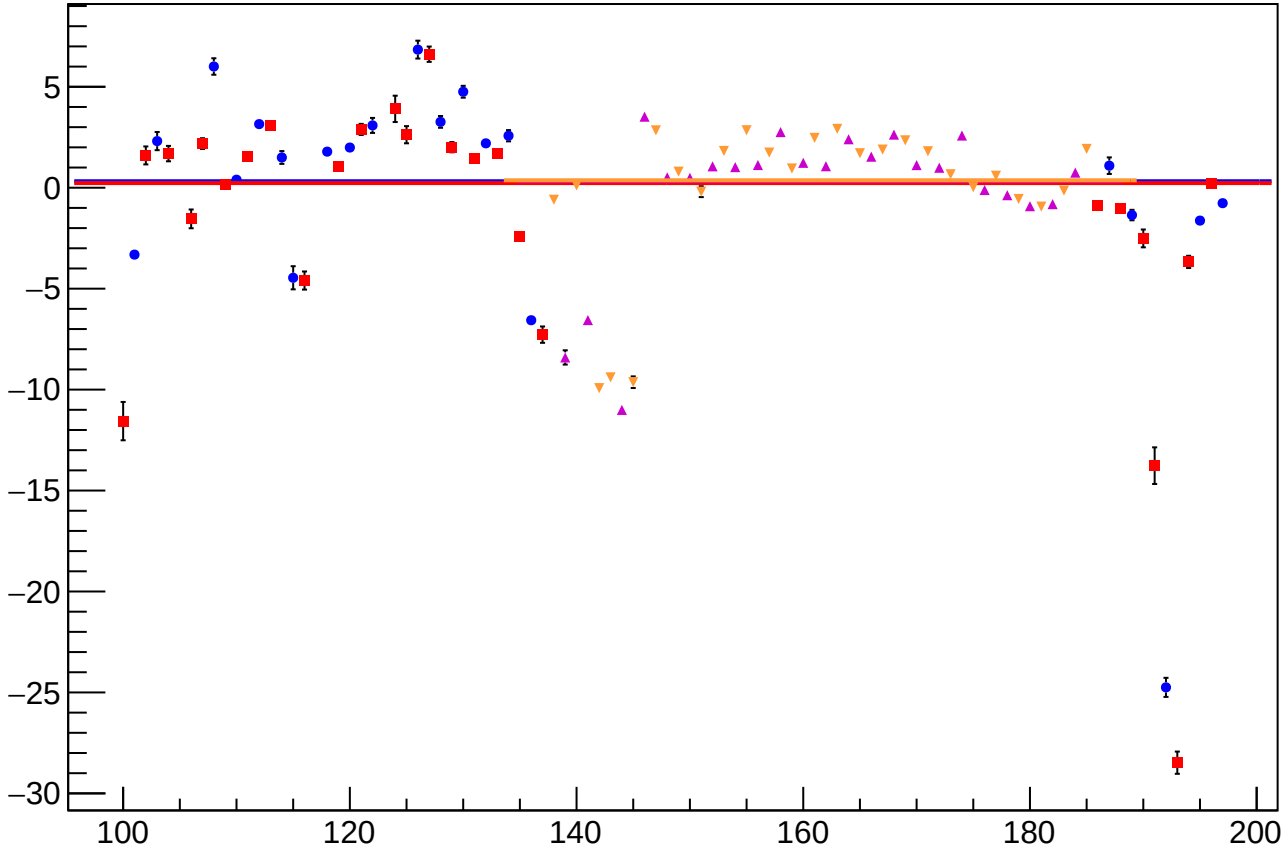
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.819+/-0.031 χ^2/NDF: 293461.6/45

All: 0.537+/-0.021 χ^2/NDF: 541628.9/94

- sign 0.300+/-0.028 χ^2/NDF: 248011.3/48

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.321+/-0.053 χ^2/NDF: 5757.9/20

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.229+/-0.049 χ^2/NDF: 5054.7/25

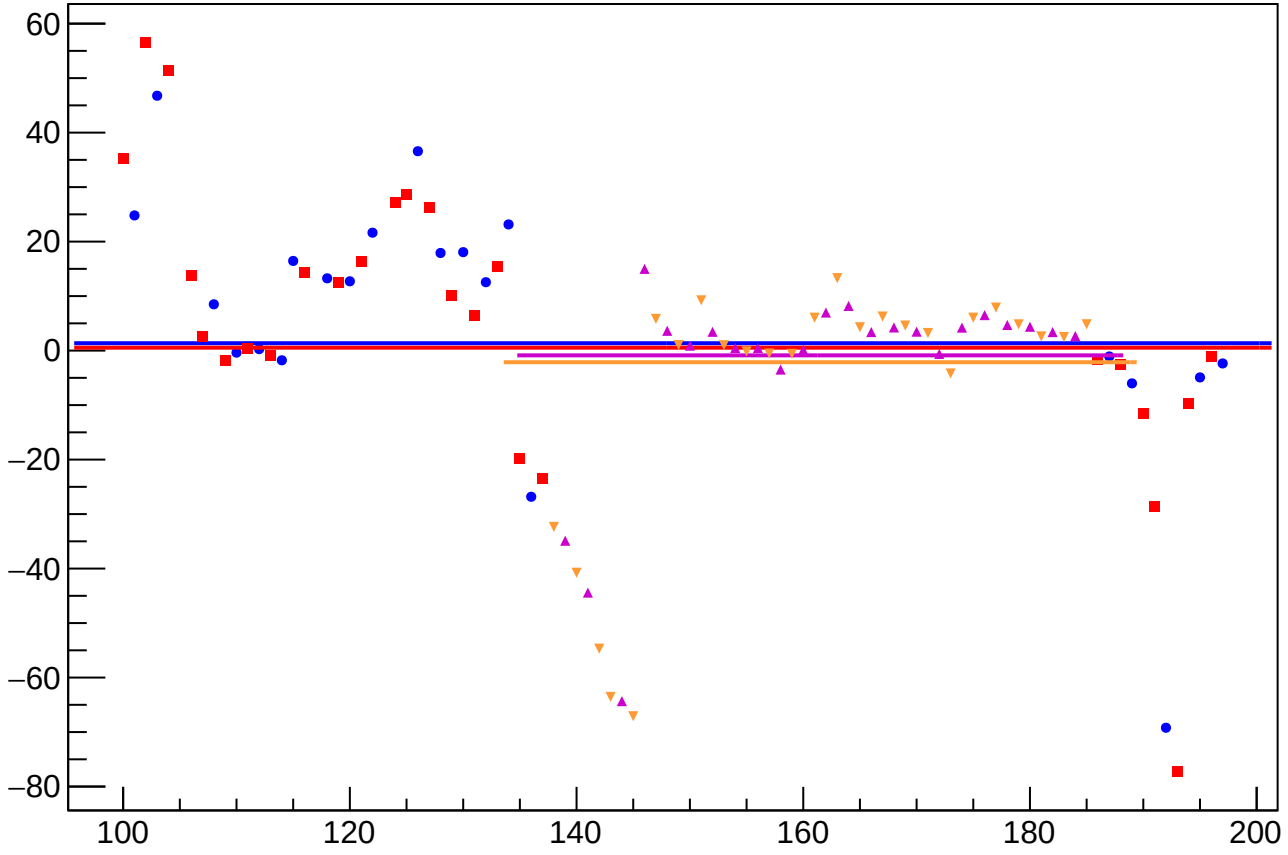
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.355+/-0.028 χ^2/NDF: 12826.5/45

All: 0.329+/-0.019 χ^2/NDF: 24980.5/94

- sign 0.306+/-0.027 χ^2/NDF: 12152.4/48

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 1.354+/-0.050 χ^2/NDF: 112148.6/20

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 0.535+/-0.043 χ^2/NDF: 113332.4/25

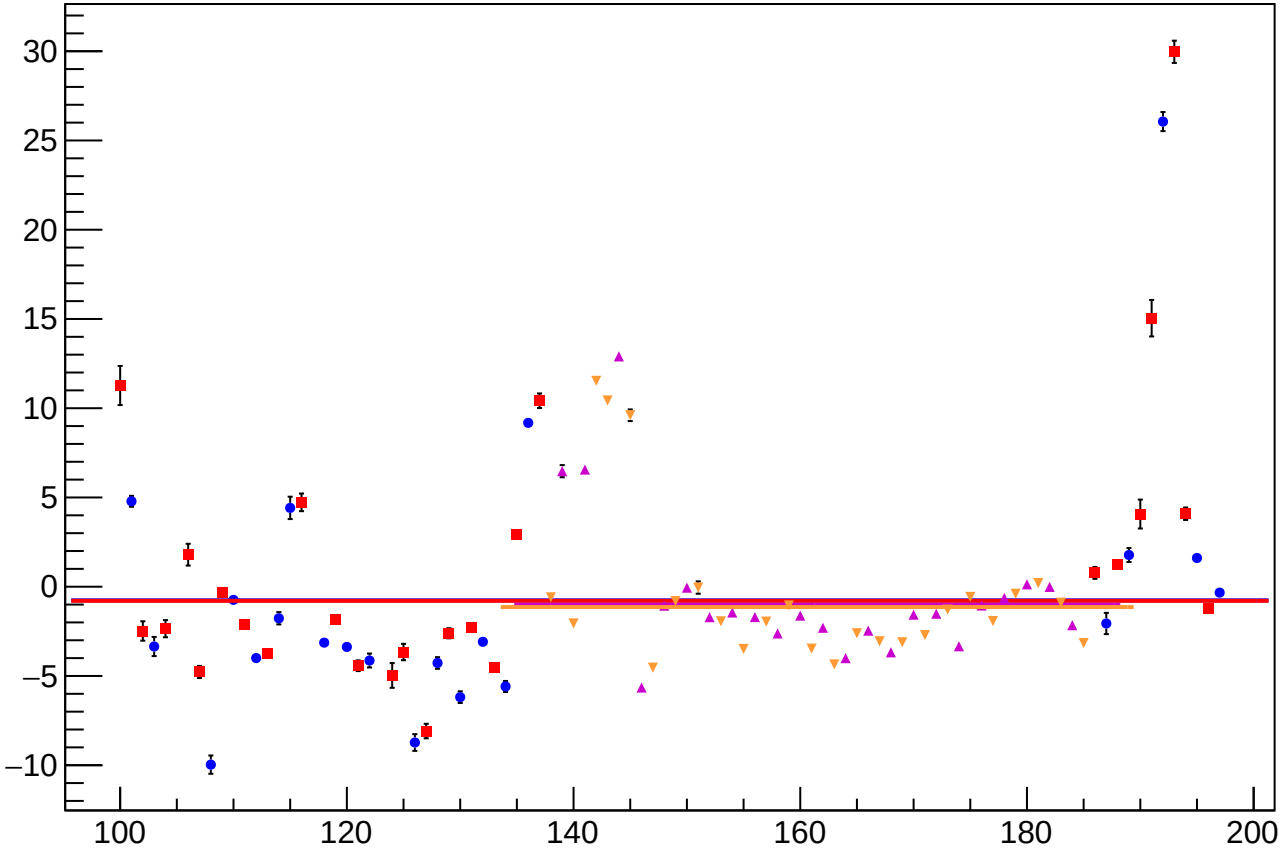
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -0.764+/-0.031 χ^2/NDF: 286555.8/45

All: -0.476+/-0.021 χ^2/NDF: 529890.0/94

- sign -0.230+/-0.029 χ^2/NDF: 243177.9/48

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.763+/-0.062 χ^2/NDF: 7332.3/20

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.788+/-0.058 χ^2/NDF: 5645.5/25

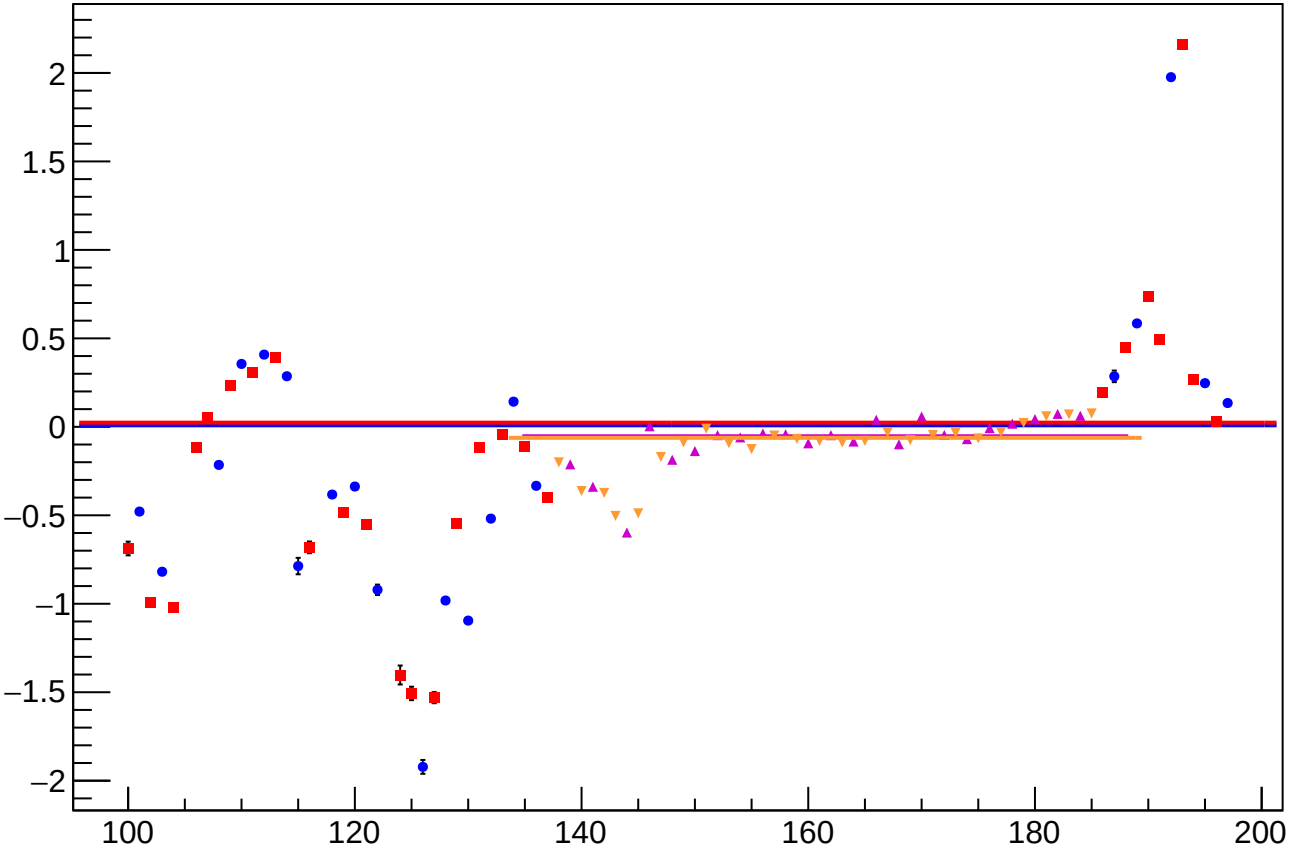
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.044+/-0.031 χ^2/NDF: 14382.6/45

All: -0.996+/-0.022 χ^2/NDF: 27070.8/94

- sign -0.954+/-0.030 χ^2/NDF: 12683.8/48

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.009+/-0.003 χ^2/NDF: 32781.3/20

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.024+/-0.003 χ^2/NDF: 33003.7/25

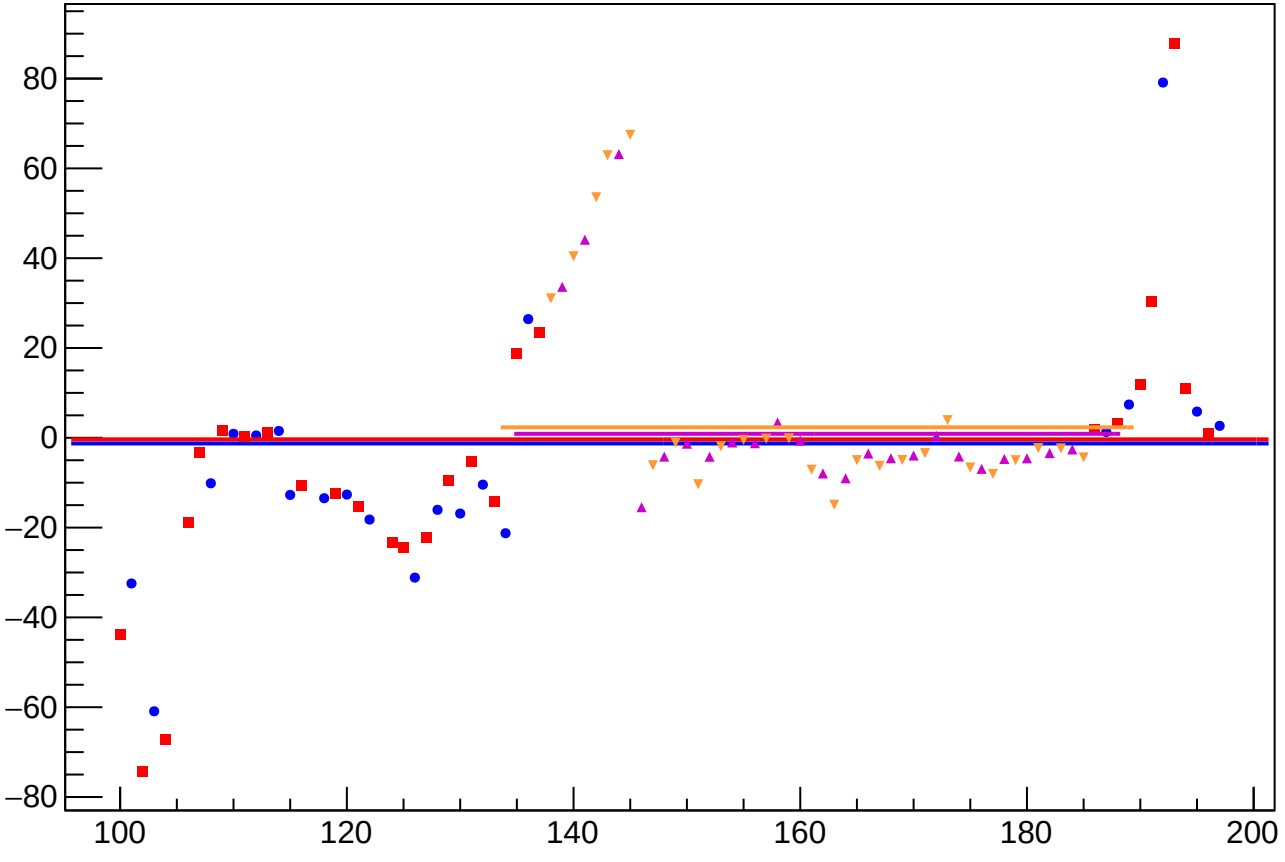
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.047+/-0.001 χ^2/NDF: 38931.3/45

All: -0.042+/-0.001 χ^2/NDF: 77476.6/94

- sign -0.038+/-0.001 χ^2/NDF: 38522.2/48

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -1.264+/-0.048 χ^2/NDF: 111339.2/20

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -0.341+/-0.040 χ^2/NDF: 113441.8/25

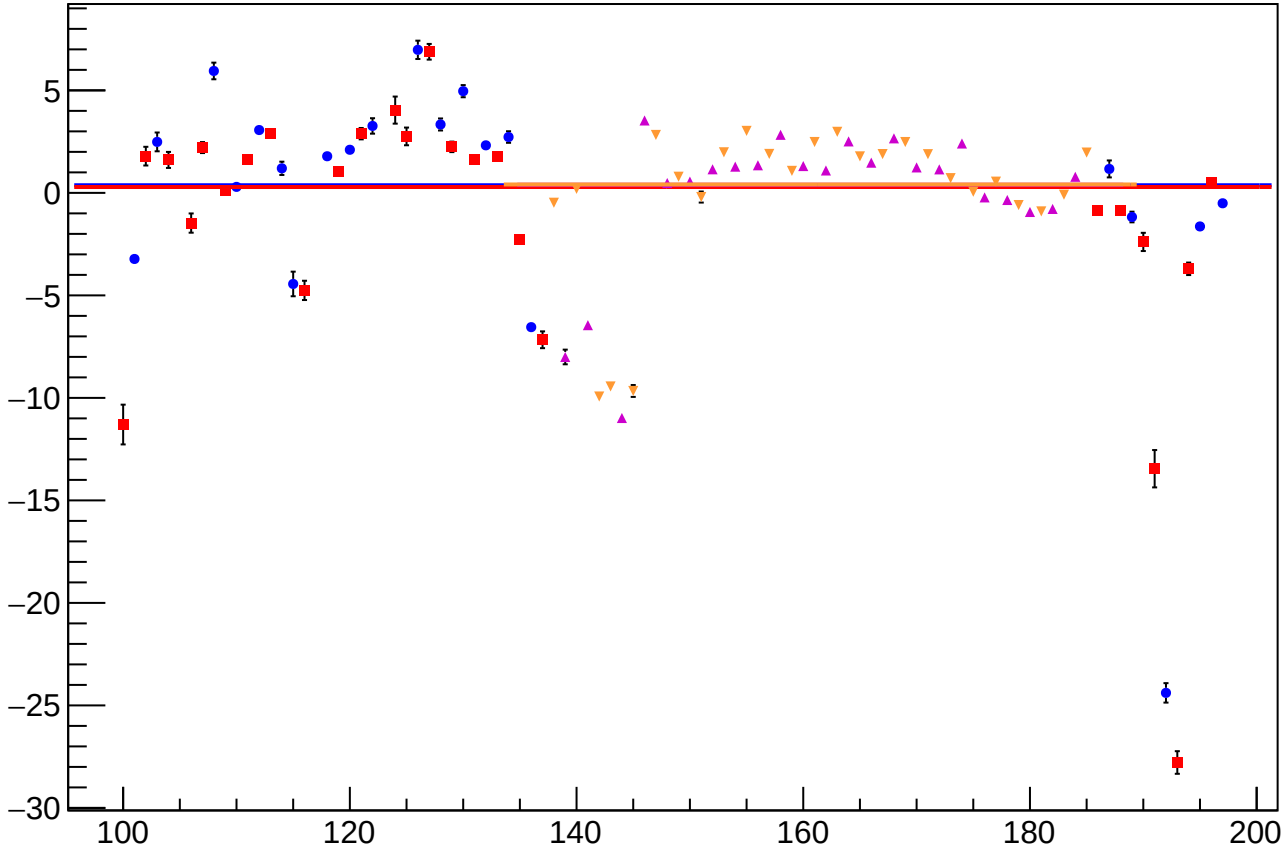
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 0.810+/-0.031 χ^2/NDF: 289220.3/45

All: 0.513+/-0.021 χ^2/NDF: 533706.6/94

- sign 0.264+/-0.029 χ^2/NDF: 244319.7/48

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.372+/-0.054 χ^2/NDF: 5602.4/20

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.286+/-0.050 χ^2/NDF: 4839.4/25

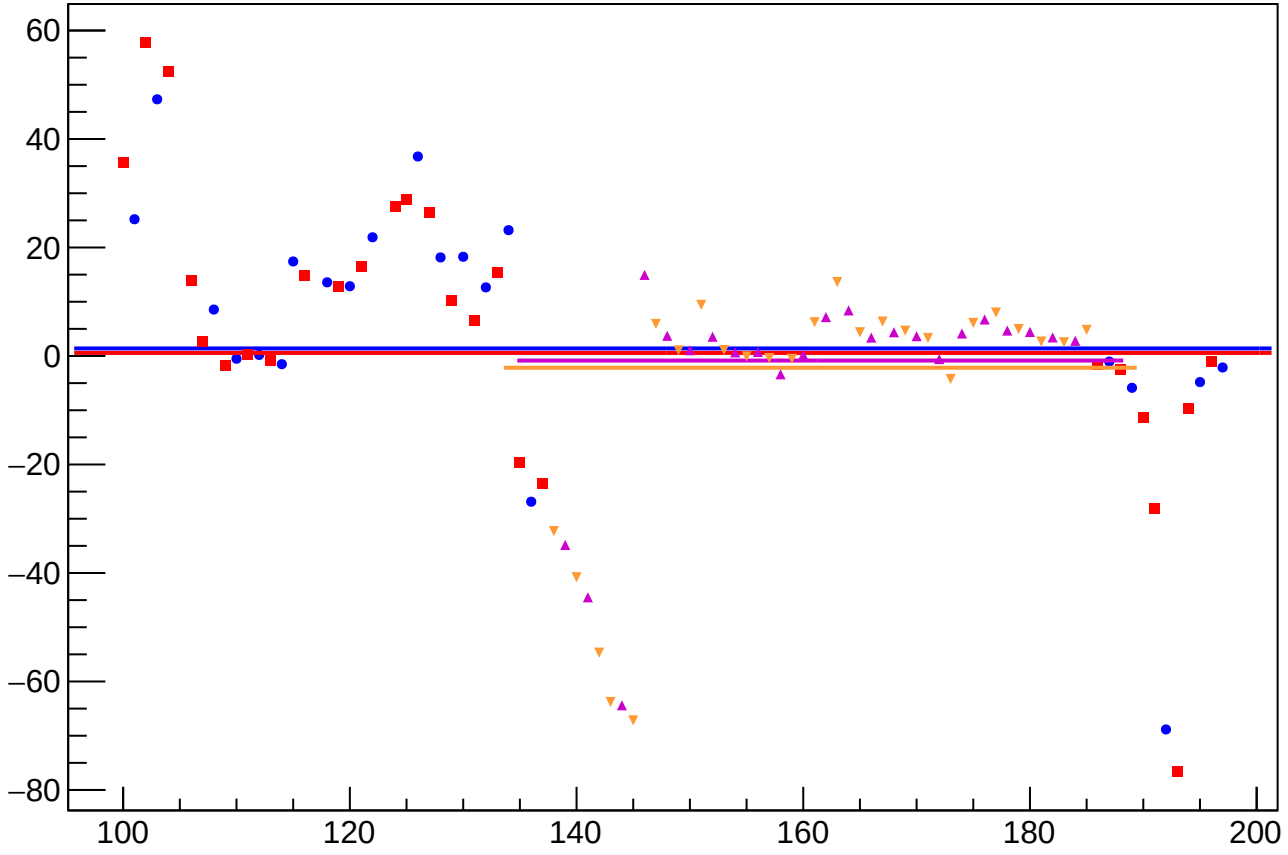
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.399+/-0.028 χ^2/NDF: 12650.6/45

All: 0.381+/-0.020 χ^2/NDF: 24426.2/94

- sign 0.364+/-0.027 χ^2/NDF: 11774.8/48

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 1.393+/-0.051 χ^2/NDF: 110442.9/20

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 0.566+/-0.044 χ^2/NDF: 111820.5/25

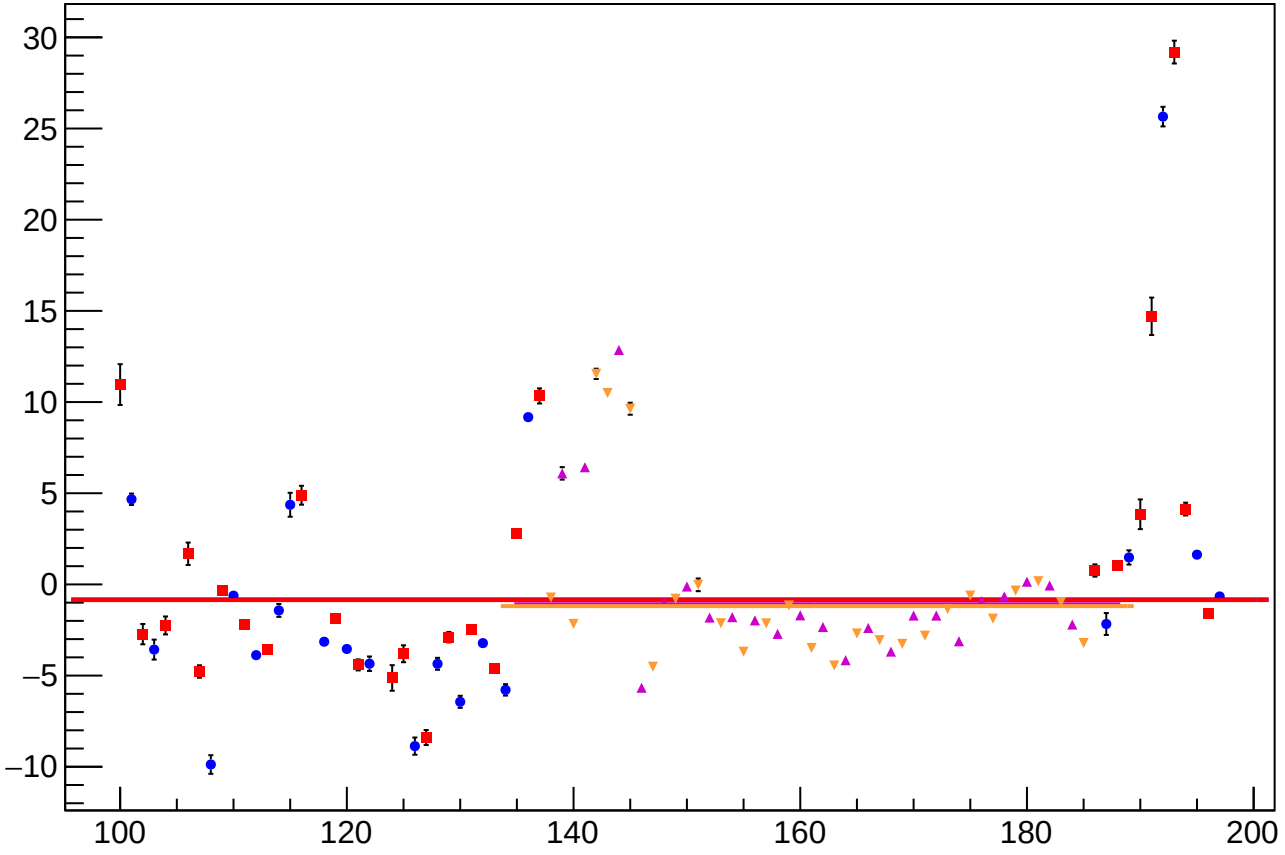
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -0.757+/-0.032 χ^2/NDF: 282399.4/45

All: -0.455+/-0.022 χ^2/NDF: 522086.8/94

- sign -0.195+/-0.030 χ^2/NDF: 239520.4/48

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.823+/-0.063 χ^2/NDF: 7174.9/20

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

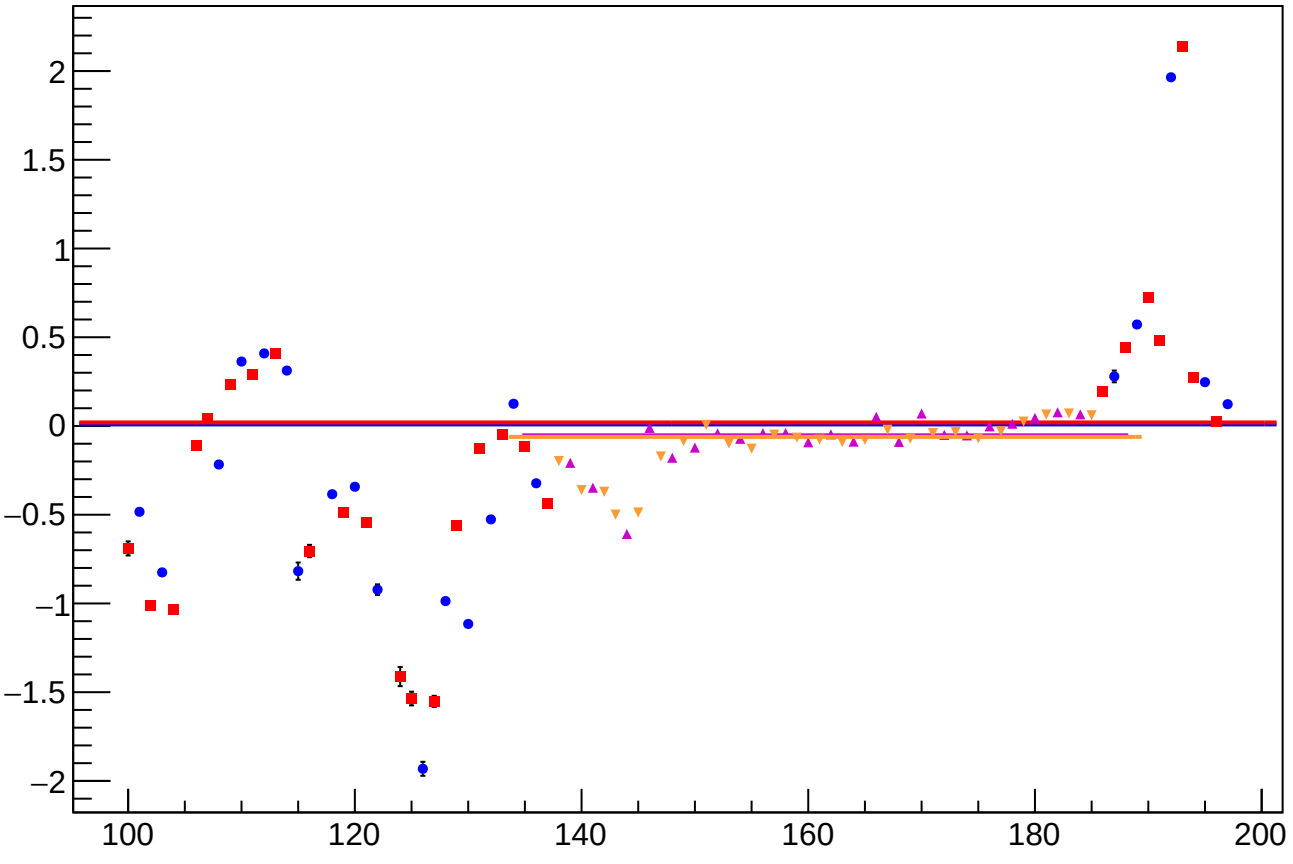
Right Out: -0.861+/-0.059 χ^2/NDF: 5433.3/25

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.096+/-0.032 χ^2/NDF: 14196.1/45

All: -1.061+/-0.022 χ^2/NDF: 26483.6/94

- sign -1.028+/-0.030 χ^2/NDF: 12285.1/48



Right In: 0.009+/-0.003 χ^2/NDF: 32082.6/20

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.020+/-0.003 χ^2/NDF: 32542.4/25

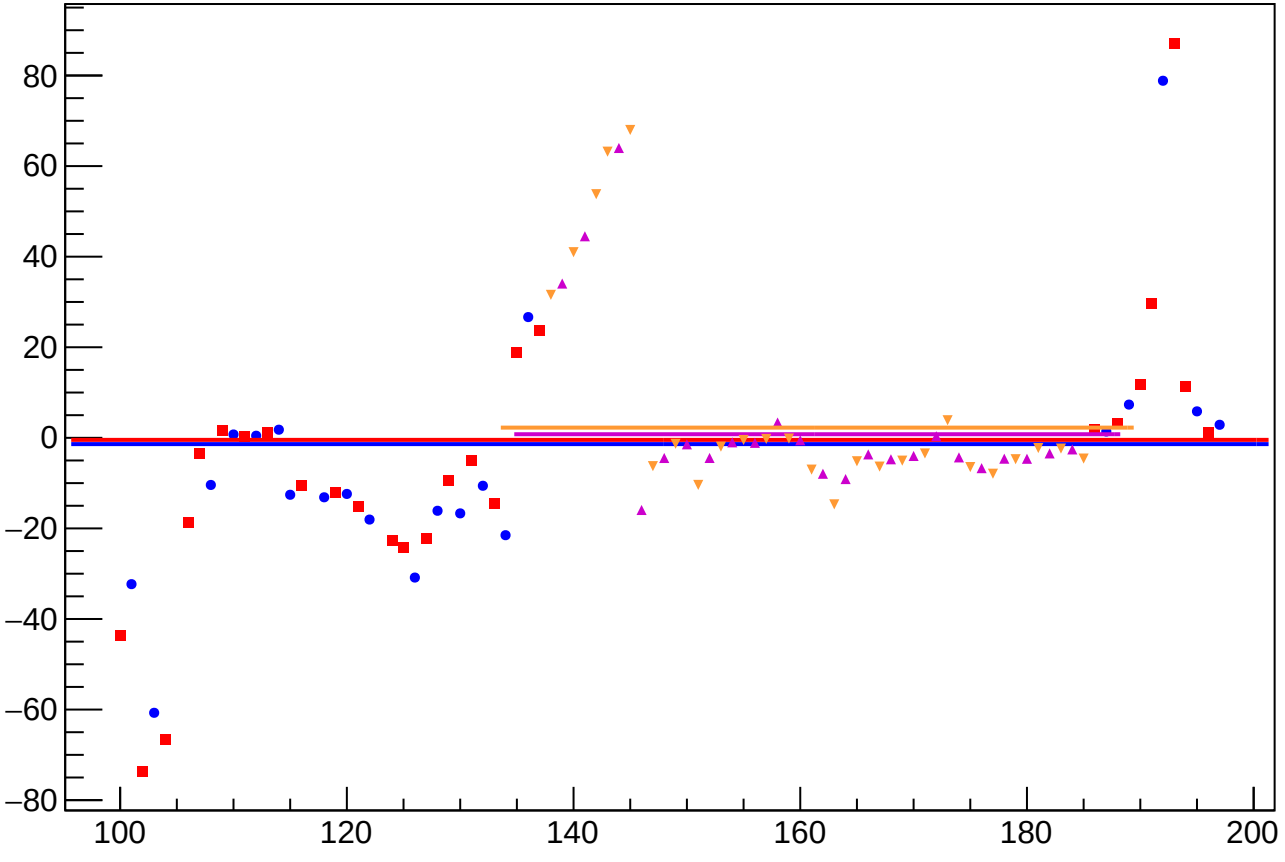
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.047+/-0.001 χ^2/NDF: 38043.5/45

All: -0.042+/-0.001 χ^2/NDF: 76093.8/94

- sign -0.038+/-0.001 χ^2/NDF: 38031.6/48

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -1.388+/-0.049 χ^2/NDF: 109651.5/20

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -0.451+/-0.041 χ^2/NDF: 111294.3/25

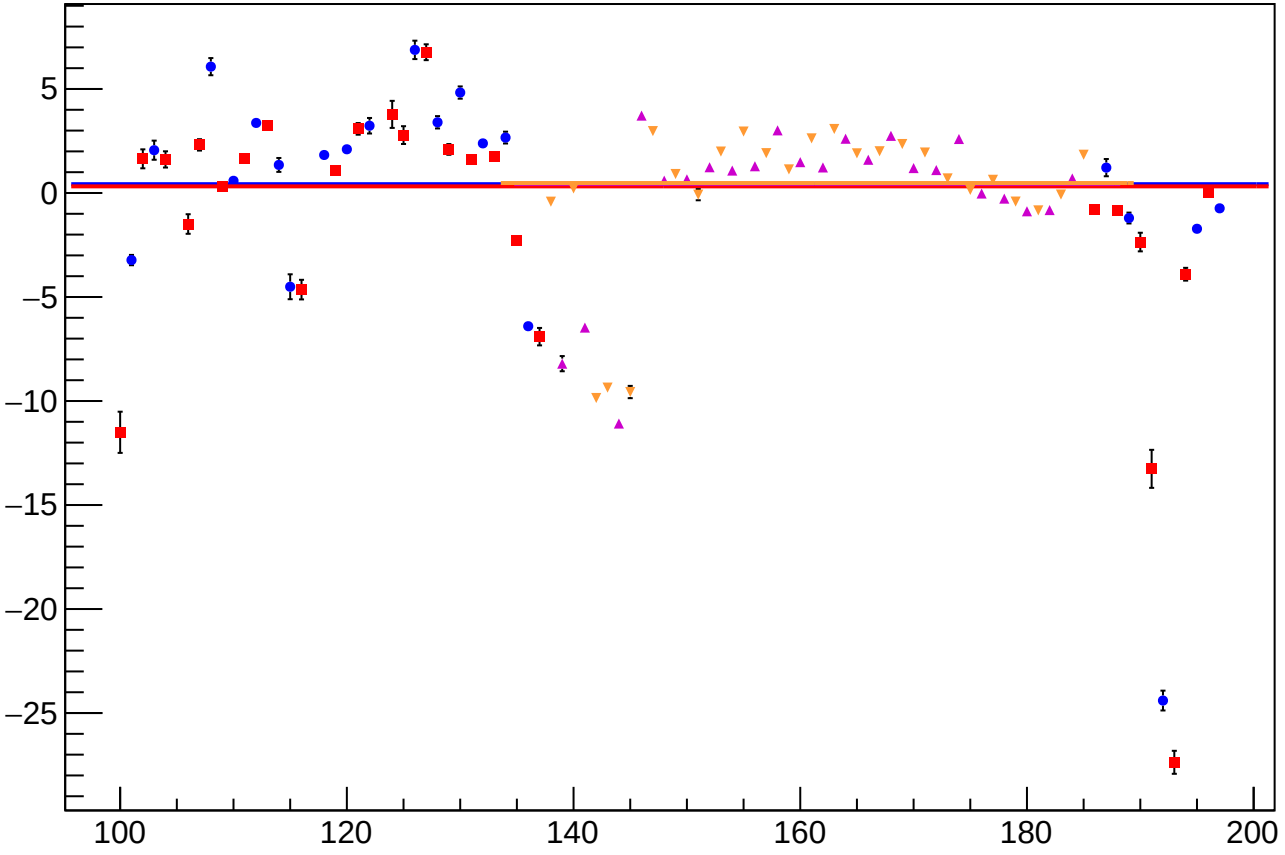
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 0.727+/-0.032 χ^2/NDF: 284555.0/45

All: 0.425+/-0.021 χ^2/NDF: 525302.7/94

- sign 0.170+/-0.029 χ^2/NDF: 240580.1/48

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.423+/-0.054 χ^2/NDF: 5536.9/20

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.319+/-0.051 χ^2/NDF: 4727.9/25

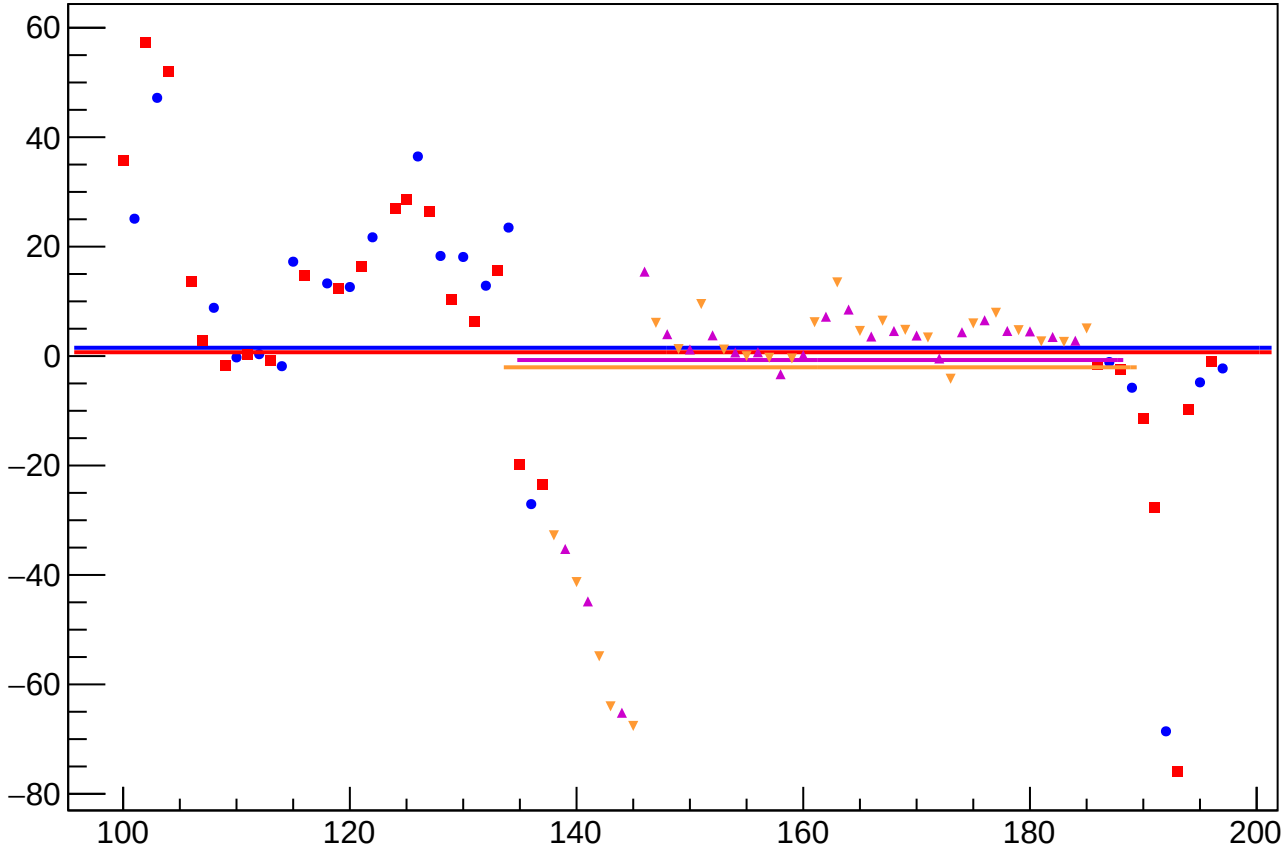
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.463+/-0.029 χ^2/NDF: 12345.8/45

All: 0.432+/-0.020 χ^2/NDF: 23973.7/94

- sign 0.405+/-0.027 χ^2/NDF: 11625.7/48

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 1.522+/-0.051 χ^2/NDF: 108766.6/20

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 0.700+/-0.044 χ^2/NDF: 109691.4/25

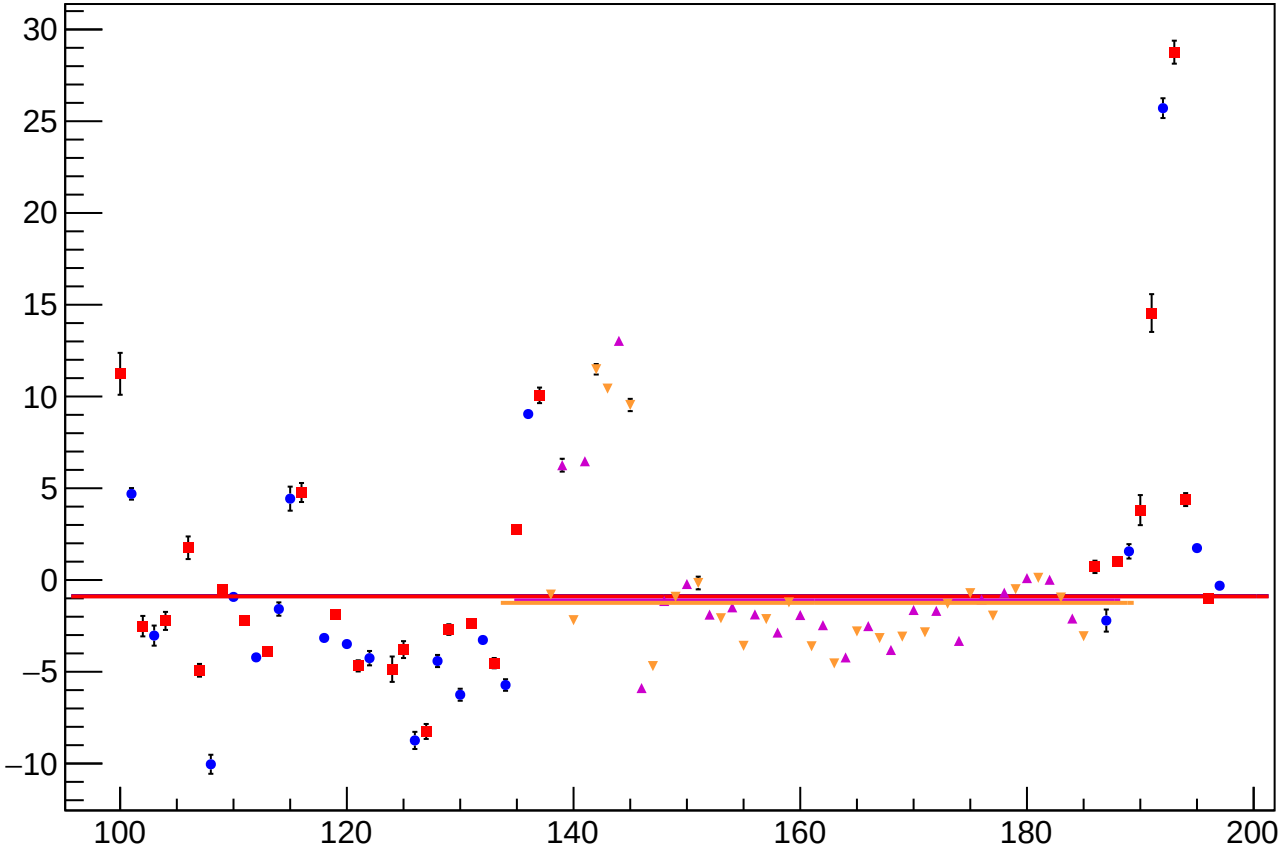
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -0.643+/-0.032 χ^2/NDF: 277702.1/45

All: -0.336+/-0.022 χ^2/NDF: 513651.8/94

- sign -0.072+/-0.030 χ^2/NDF: 235781.3/48

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.875+/-0.064 χ^2/NDF: 7030.8/20

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

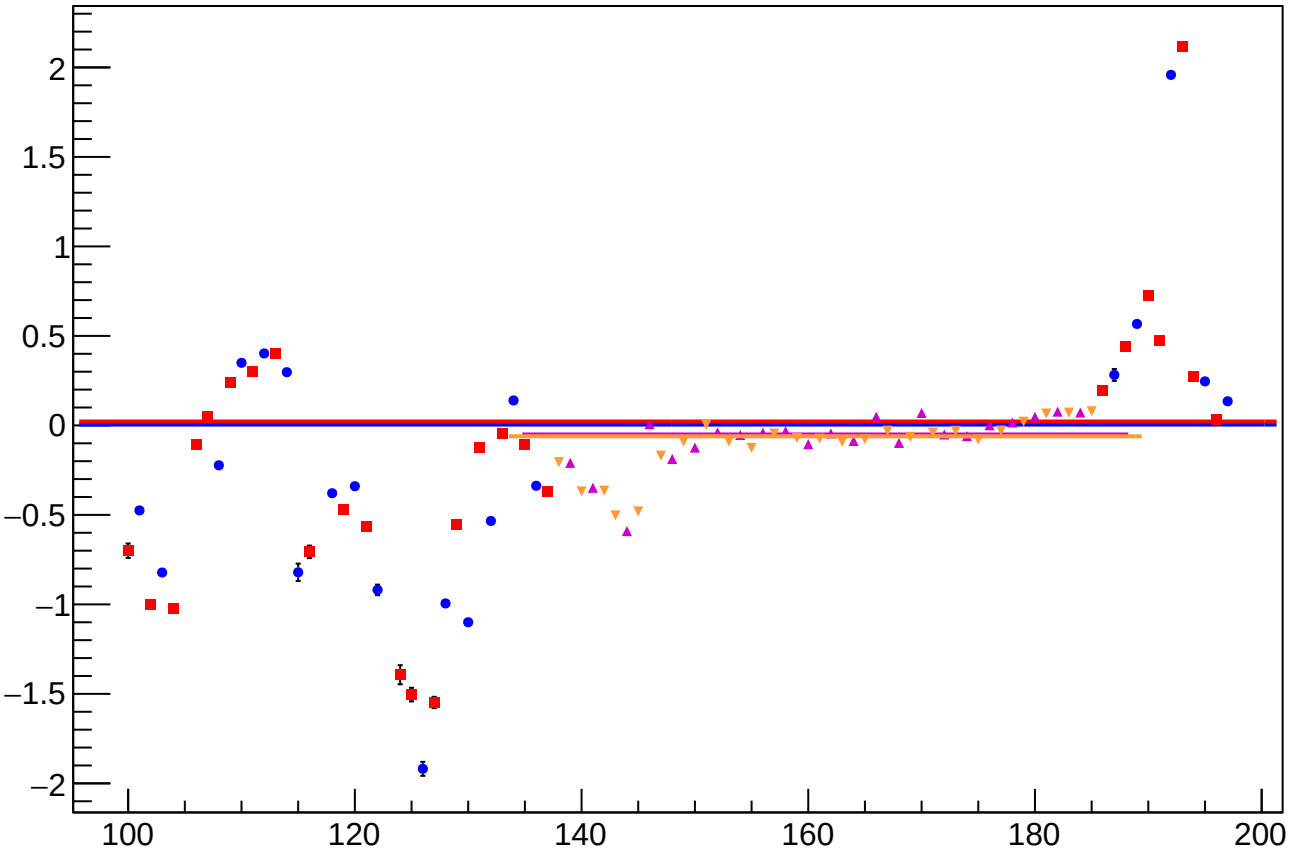
Right Out: -0.893+/-0.060 χ^2/NDF: 5276.8/25

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.150+/-0.032 χ^2/NDF: 13824.5/45

All: -1.102+/-0.022 χ^2/NDF: 25956.2/94

- sign -1.057+/-0.031 χ^2/NDF: 12127.4/48



Right In: 0.005+/-0.003 χ^2/NDF: 31661.1/20

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

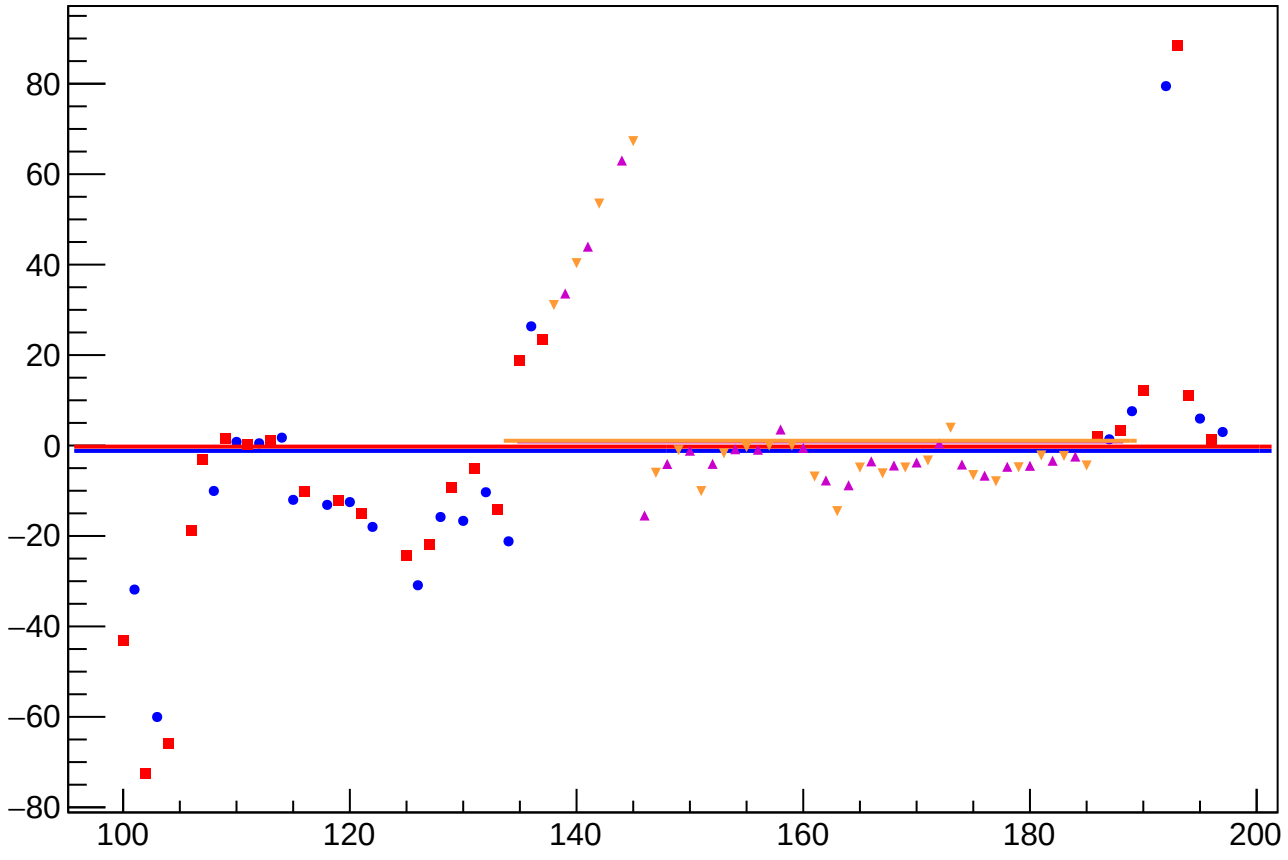
Right Out: 0.022+/-0.003 χ^2/NDF: 31675.9/25

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.047+/-0.001 χ^2/NDF: 37480.3/45

All: -0.042+/-0.001 χ^2/NDF: 74501.0/94

- sign -0.036+/-0.001 χ^2/NDF: 36991.8/48



Right In: -1.188+/-0.047 χ^2/NDF: 113292.7/20

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

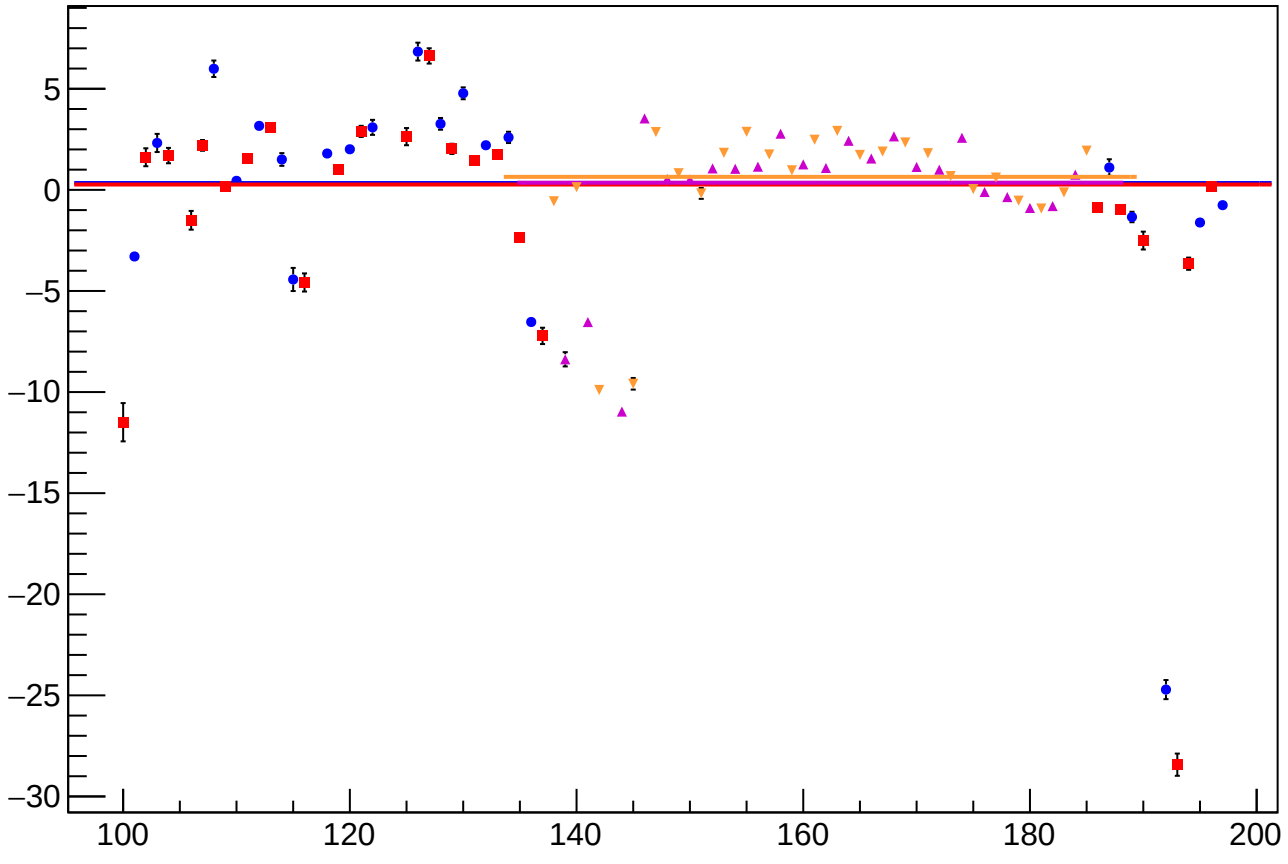
Right Out: -0.242+/-0.039 χ^2/NDF: 112328.4/23

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 0.098+/-0.031 χ^2/NDF: 245625.6/44

All: 0.224+/-0.021 χ^2/NDF: 491217.2/91

- sign 0.329+/-0.028 χ^2/NDF: 245560.6/46



Right In: 0.338+/-0.053 χ^2/NDF: 5771.5/20

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

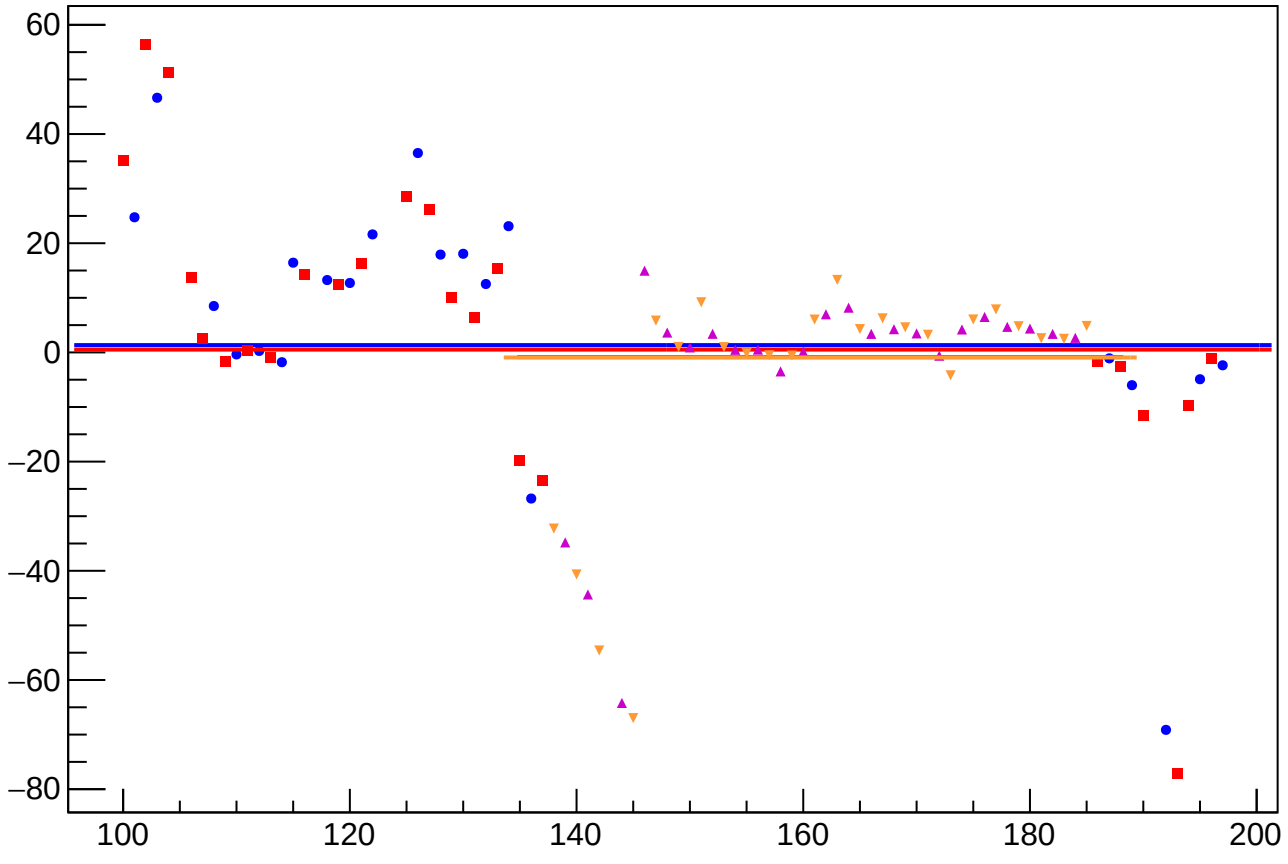
Right Out: 0.265+/-0.049 χ^2/NDF: 4791.7/23

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.557+/-0.028 χ^2/NDF: 10506.7/44

All: 0.436+/-0.019 χ^2/NDF: 22452.6/91

- sign 0.329+/-0.026 χ^2/NDF: 11911.2/46



Right In: 1.340+/-0.050 χ^2/NDF: 112350.5/20

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

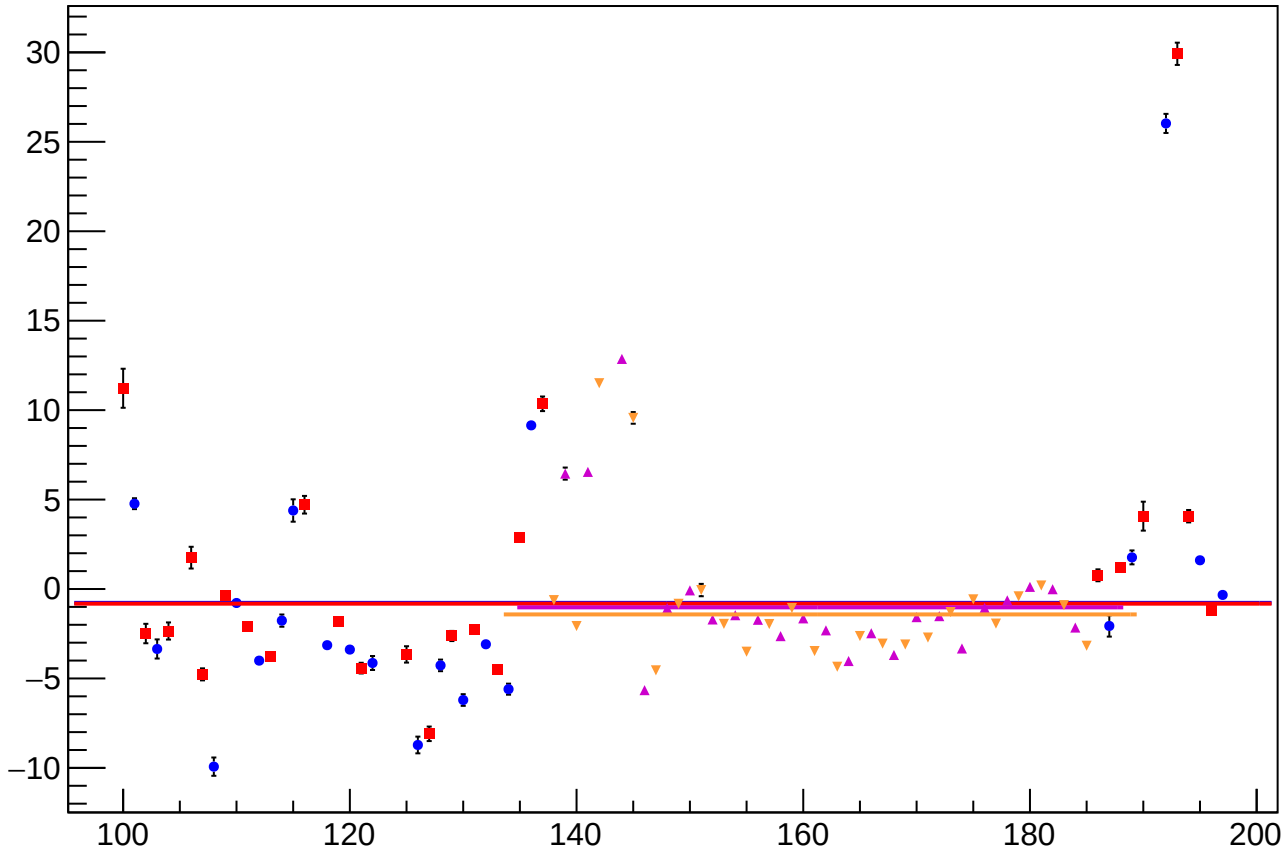
Right Out: 0.517+/-0.043 χ^2/NDF: 110752.5/23

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign -0.027+/-0.031 χ^2/NDF: 239974.4/44

All: -0.139+/-0.021 χ^2/NDF: 480795.6/91

- sign -0.234+/-0.029 χ^2/NDF: 240797.7/46



Right In: -0.775+/-0.062 χ^2/NDF: 7348.2/20

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

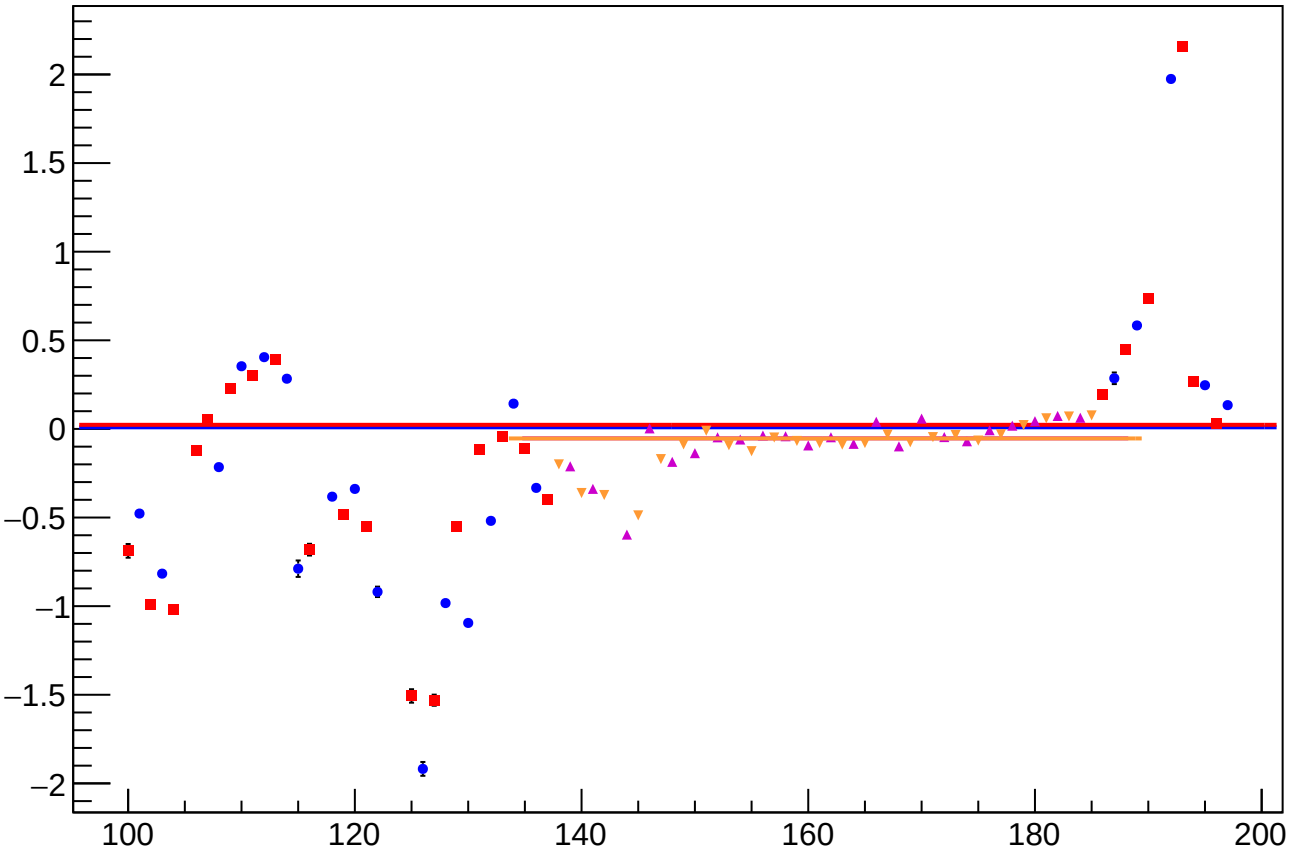
Right Out: -0.819+/-0.058 χ^2/NDF: 5374.6/23

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.252+/-0.032 χ^2/NDF: 12070.8/44

All: -1.104+/-0.022 χ^2/NDF: 24543.9/91

- sign -0.971+/-0.030 χ^2/NDF: 12431.1/46



Right In: 0.009+/-0.003 χ^2/NDF: 32842.4/20

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

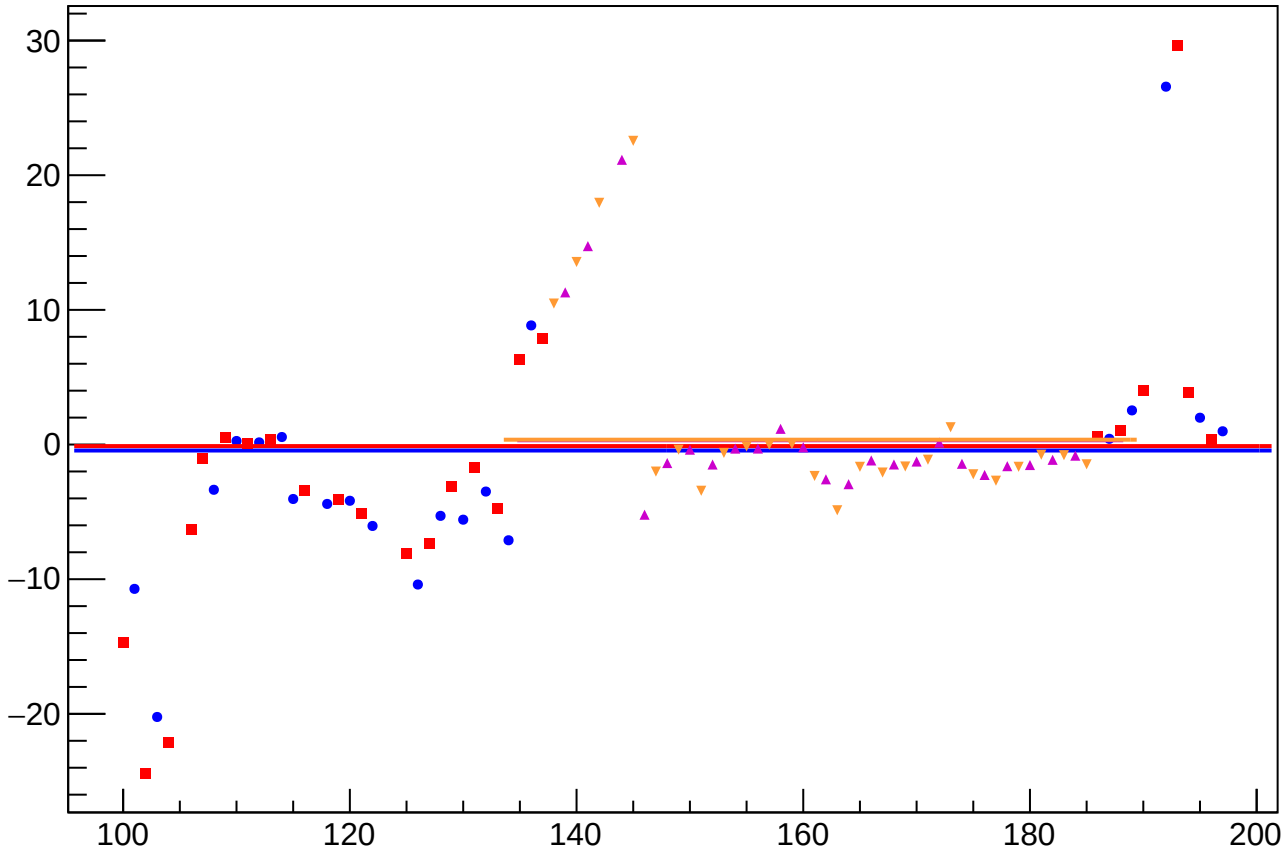
Right Out: 0.023+/-0.003 χ^2/NDF: 32085.1/23

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.040+/-0.001 χ^2/NDF: 37510.0/44

All: -0.039+/-0.001 χ^2/NDF: 75120.1/91

- sign -0.038+/-0.001 χ^2/NDF: 37608.7/46



Right In: -0.444+/-0.016 χ^2/NDF: 111308.6/20

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

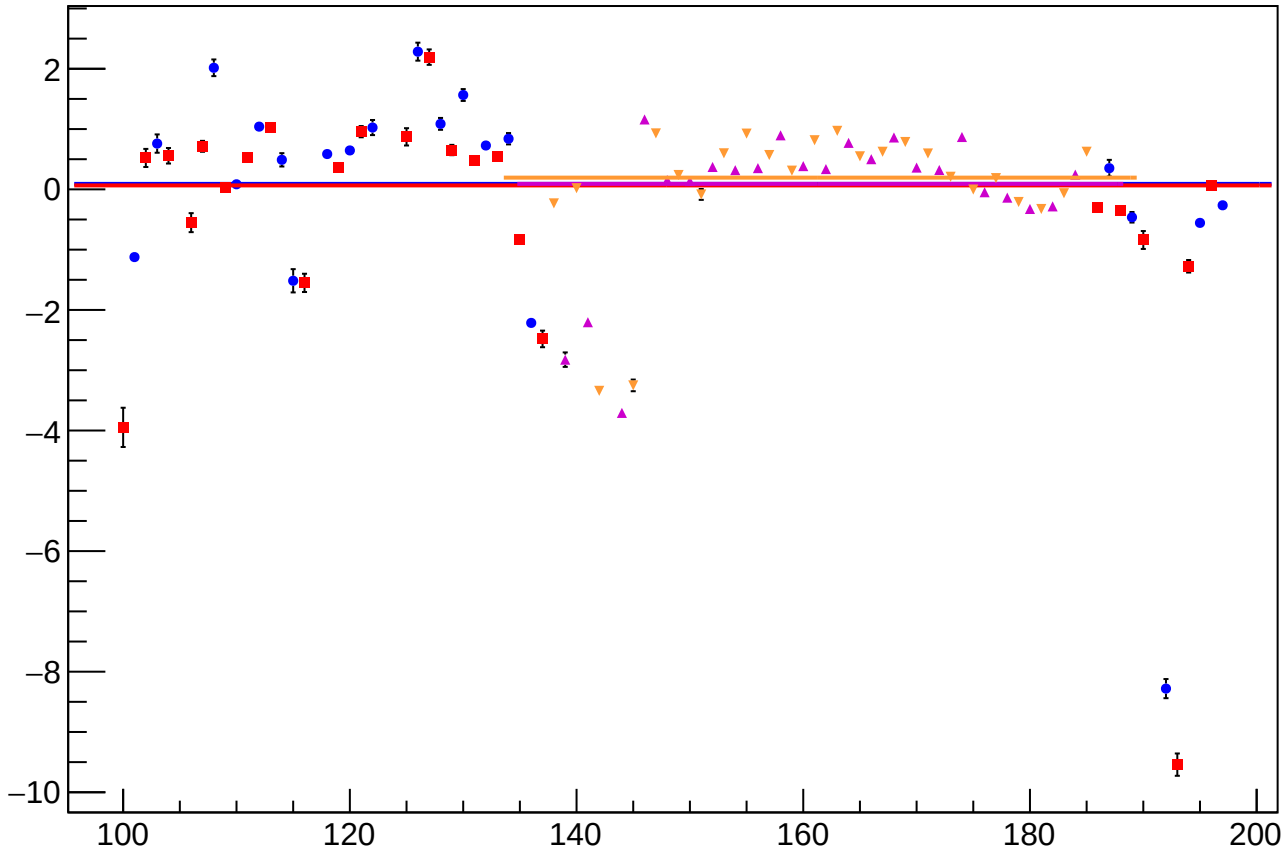
Right Out: -0.115+/-0.014 χ^2/NDF: 110622.0/23

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign 0.019+/-0.011 χ^2/NDF: 241556.4/44

All: 0.063+/-0.007 χ^2/NDF: 482938.9/91

- sign 0.101+/-0.010 χ^2/NDF: 241349.9/46



Right In: 0.091+/-0.018 χ^2/NDF: 5657.9/20

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.065+/-0.017 χ^2/NDF: 4717.6/23

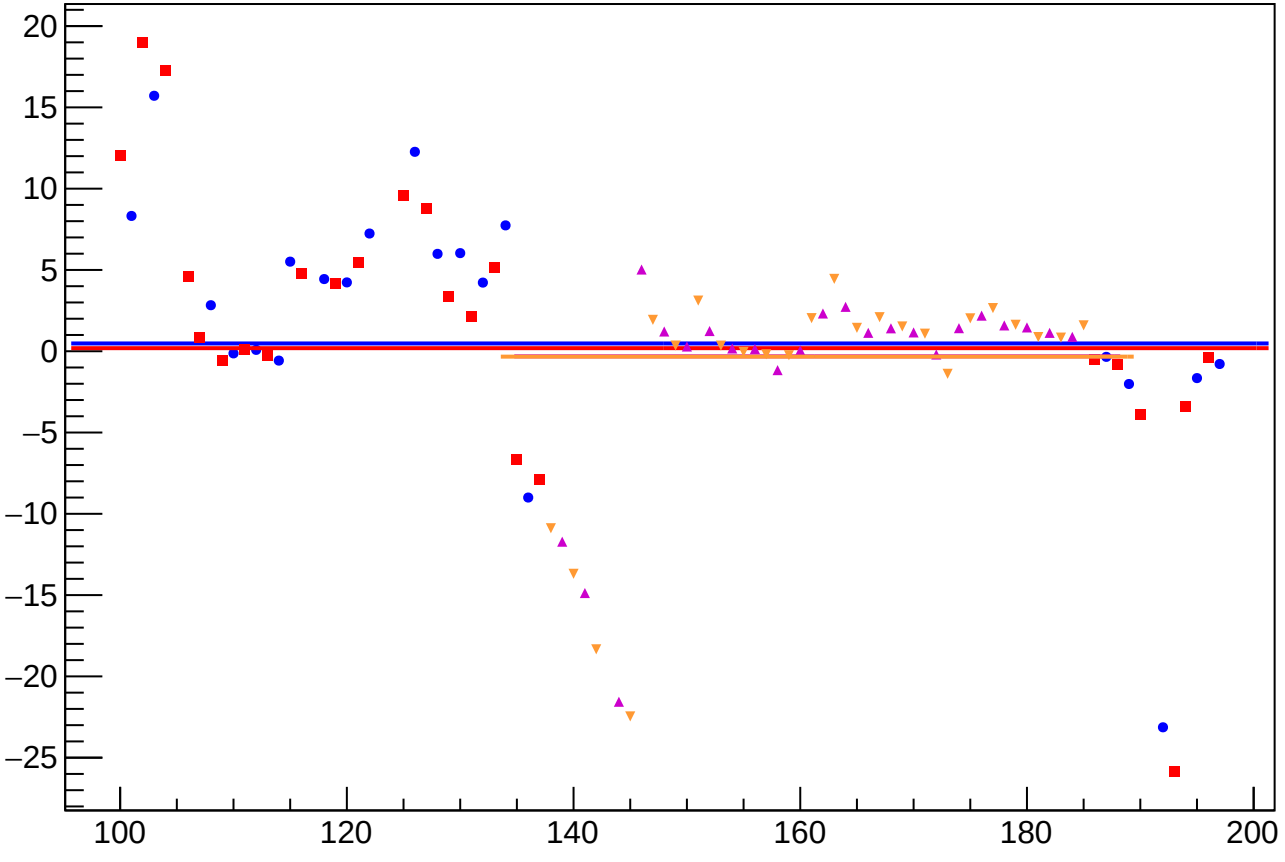
Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.165+/-0.010 χ^2/NDF: 10326.7/44

All: 0.122+/-0.007 χ^2/NDF: 22020.2/91

- sign 0.084+/-0.009 χ^2/NDF: 11655.6/46

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.478+/-0.017 χ^2/NDF: 110403.3/20

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

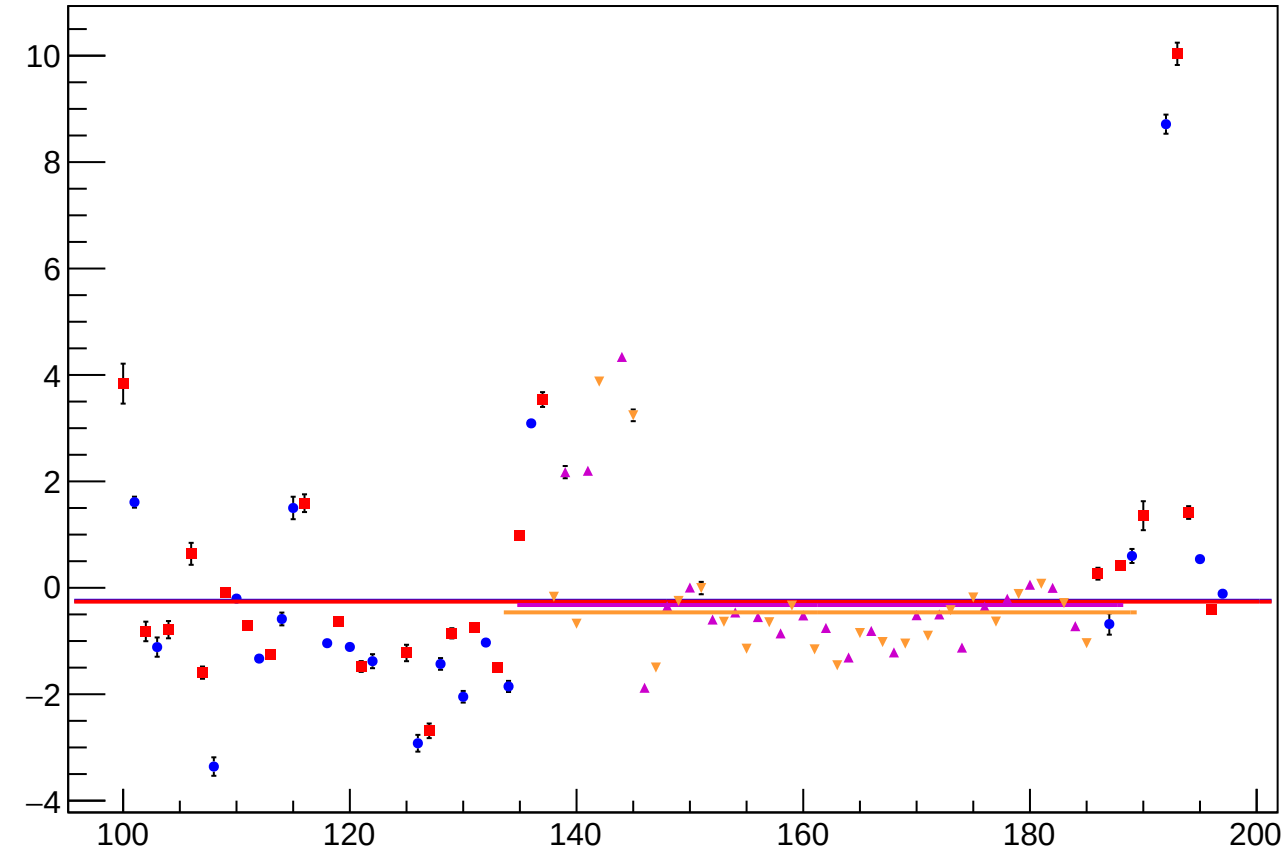
Right Out: 0.189+/-0.015 χ^2/NDF: 109105.1/23

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.011+/-0.011 χ^2/NDF: 235992.3/44

All: -0.051+/-0.007 χ^2/NDF: 472757.0/91

- sign -0.085+/-0.010 χ^2/NDF: 236739.2/46



Right In: -0.244+/-0.021 χ^2/NDF: 7199.7/20

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

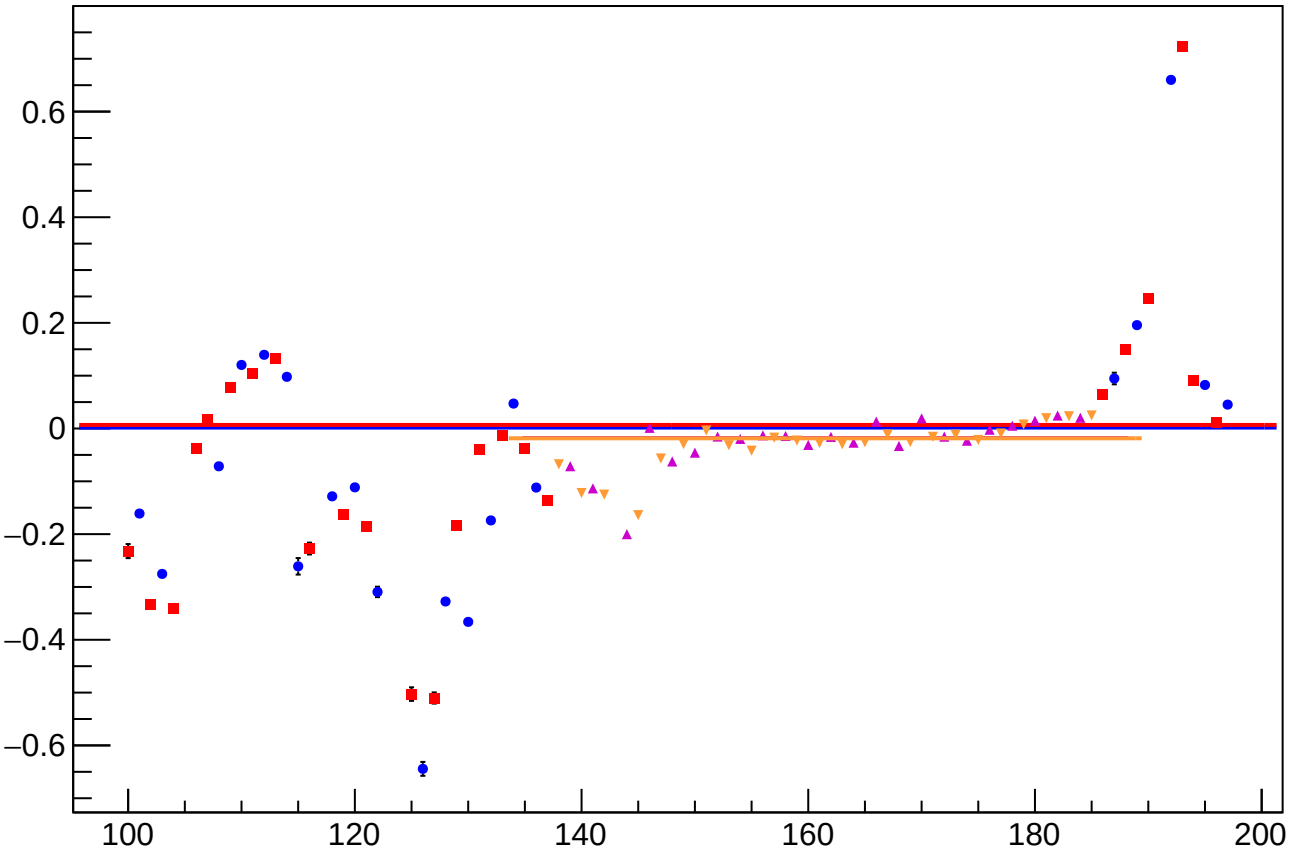
Right Out: -0.259+/-0.020 χ^2/NDF: 5294.1/23

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.405+/-0.011 χ^2/NDF: 11858.3/44

All: -0.353+/-0.007 χ^2/NDF: 24085.9/91

- sign -0.306+/-0.010 χ^2/NDF: 12183.5/46



Right In: 0.002+/-0.001 χ^2/NDF: 32268.2/20

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

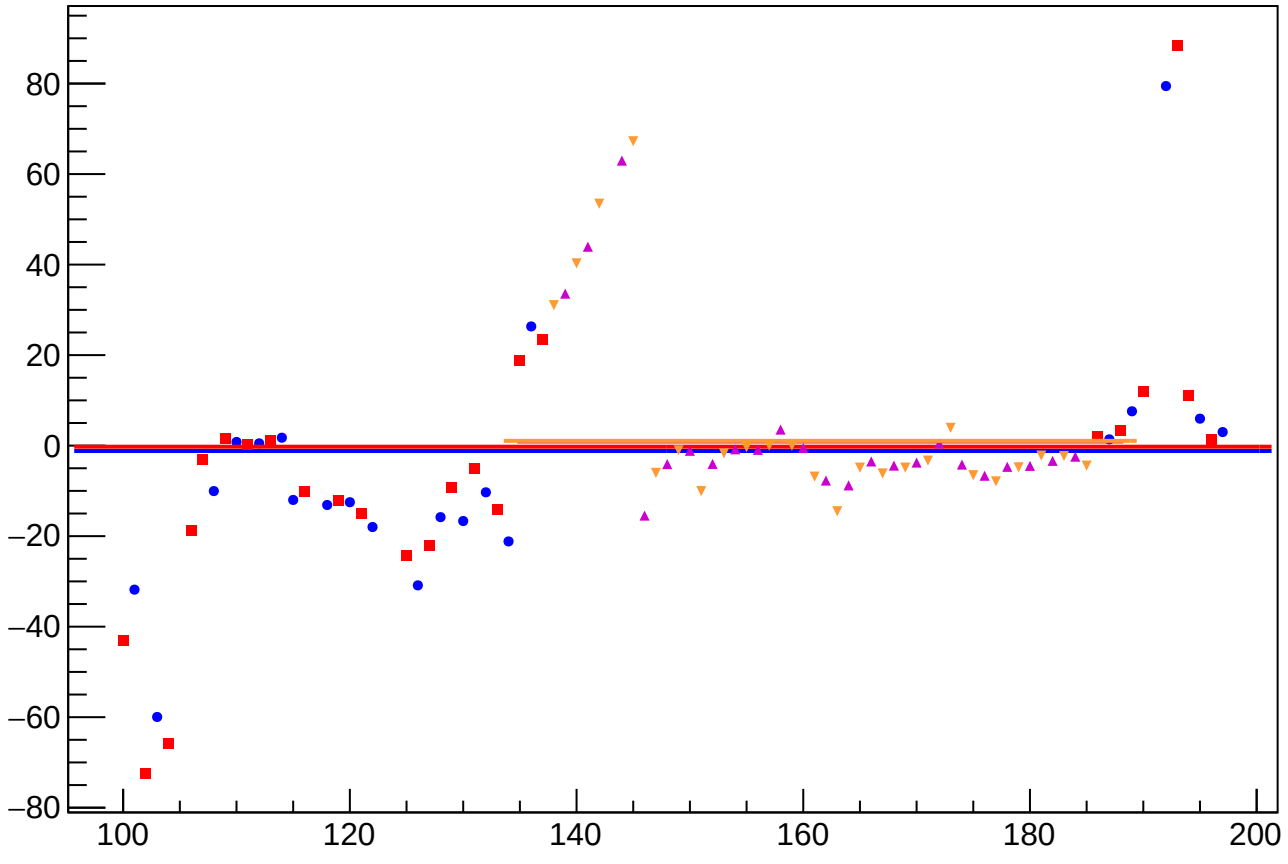
Right Out: 0.007+/-0.001 χ^2/NDF: 31501.1/23

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.014+/-0.000 χ^2/NDF: 36787.1/44

All: -0.014+/-0.000 χ^2/NDF: 73627.5/91

- sign -0.013+/-0.000 χ^2/NDF: 36837.7/46



Right In: -1.179+/-0.047 χ^2/NDF: 113321.2/20

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

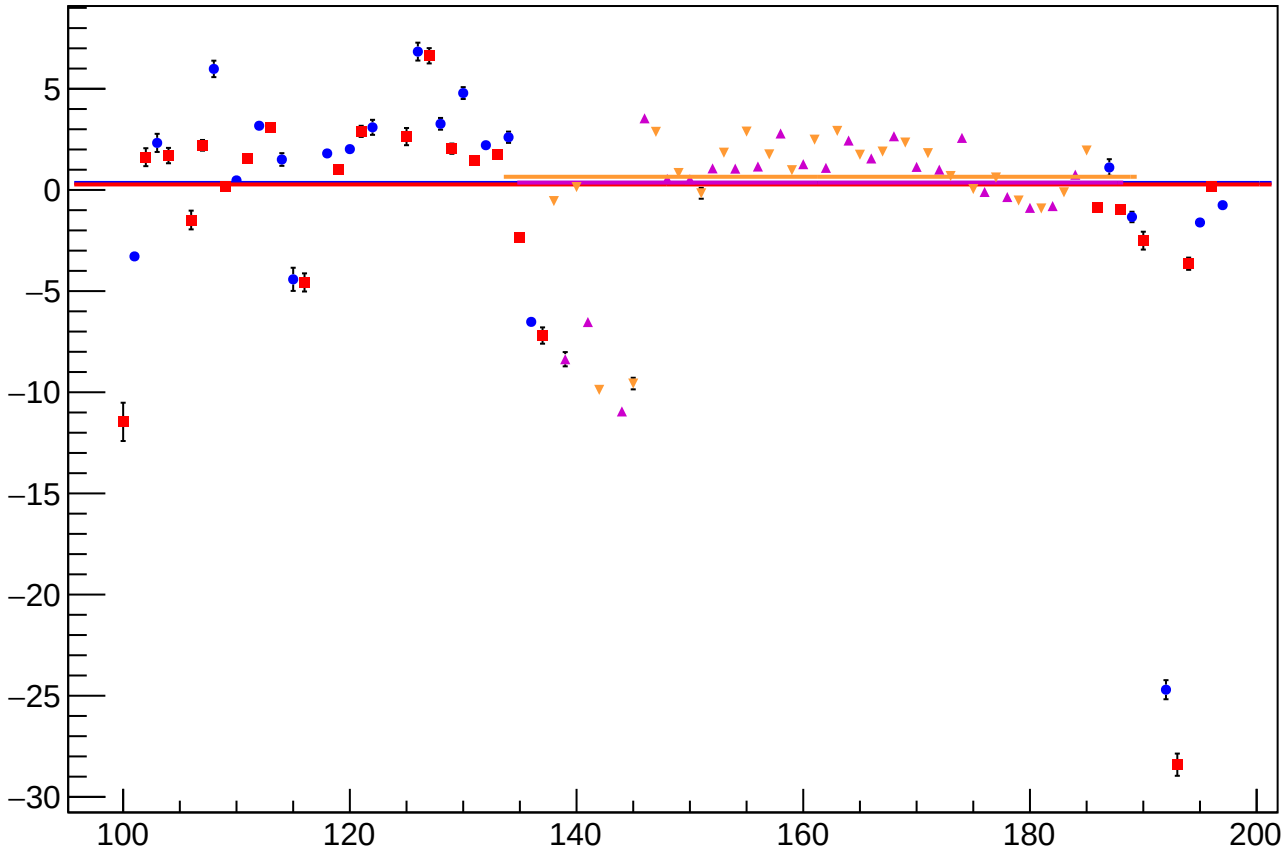
Right Out: -0.236+/-0.039 χ^2/NDF: 112349.3/23

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 0.103+/-0.031 χ^2/NDF: 245630.5/44

All: 0.229+/-0.021 χ^2/NDF: 491250.1/91

- sign 0.333+/-0.028 χ^2/NDF: 245589.0/46



Right In: 0.346+/-0.053 χ^2/NDF: 5774.3/20

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

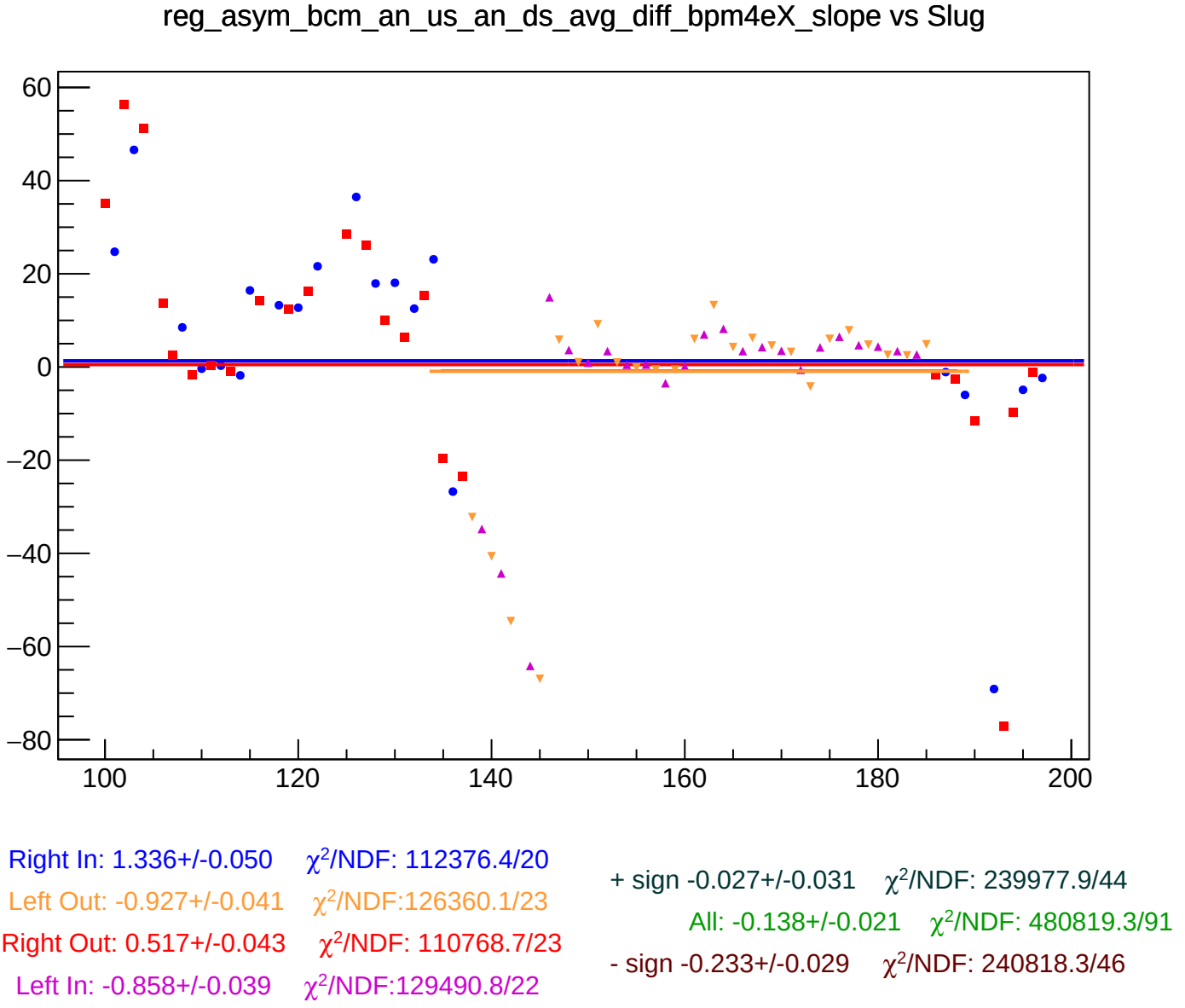
Right Out: 0.272+/-0.049 χ^2/NDF: 4792.0/23

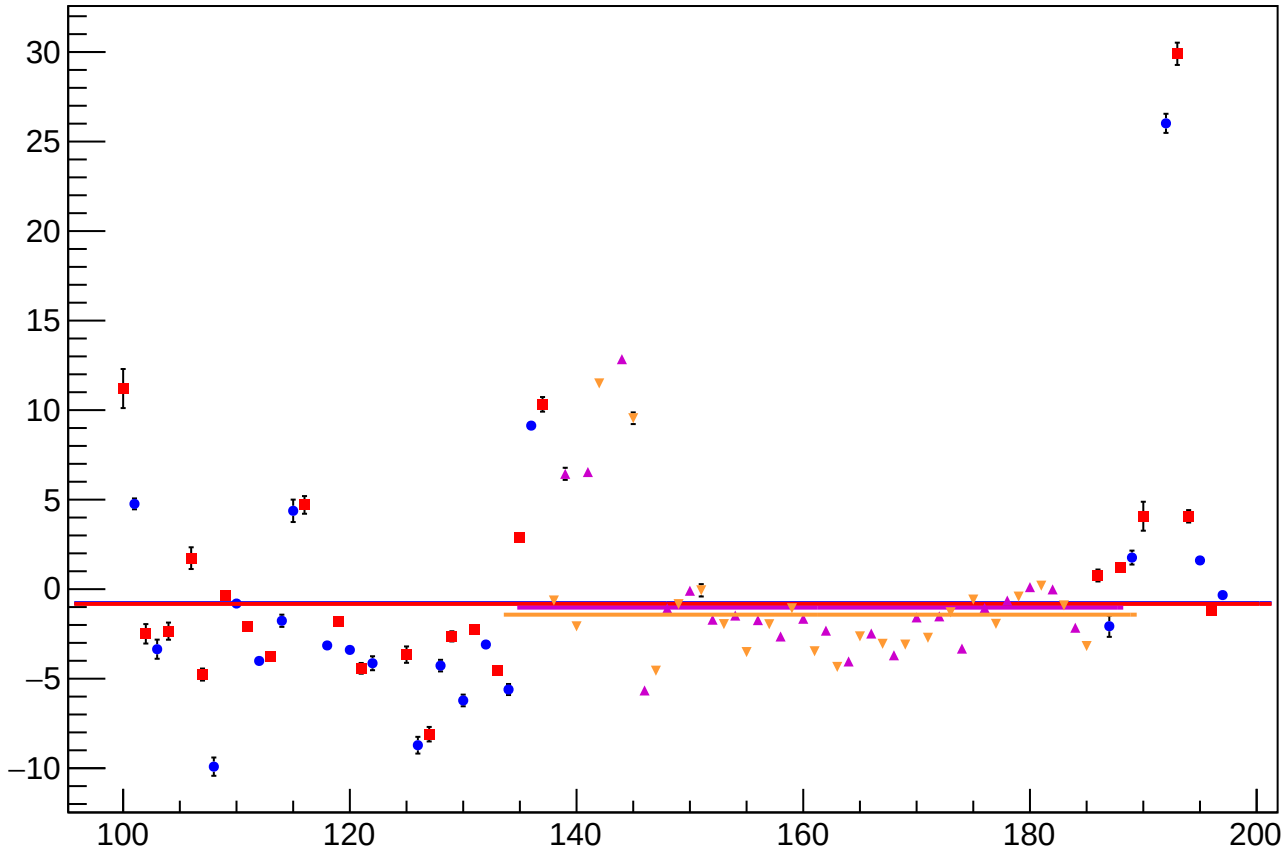
Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.565+/-0.028 χ^2/NDF: 10507.2/44

All: 0.444+/-0.019 χ^2/NDF: 22458.8/91

- sign 0.338+/-0.026 χ^2/NDF: 11916.9/46


reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
Right In: 1.336+/-0.050 χ²/NDF: 112376.4/20
Left Out: -0.927+/-0.041 χ²/NDF:126360.1/23
Right Out: 0.517+/-0.043 χ²/NDF: 110768.7/23
Left In: -0.858+/-0.039 χ²/NDF:129490.8/22
+ sign -0.027+/-0.031 χ²/NDF: 239977.9/44
All: -0.138+/-0.021 χ²/NDF: 480819.3/91
- sign -0.233+/-0.029 χ²/NDF: 240818.3/46



Right In: -0.781+/-0.062 χ^2/NDF: 7350.6/20

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

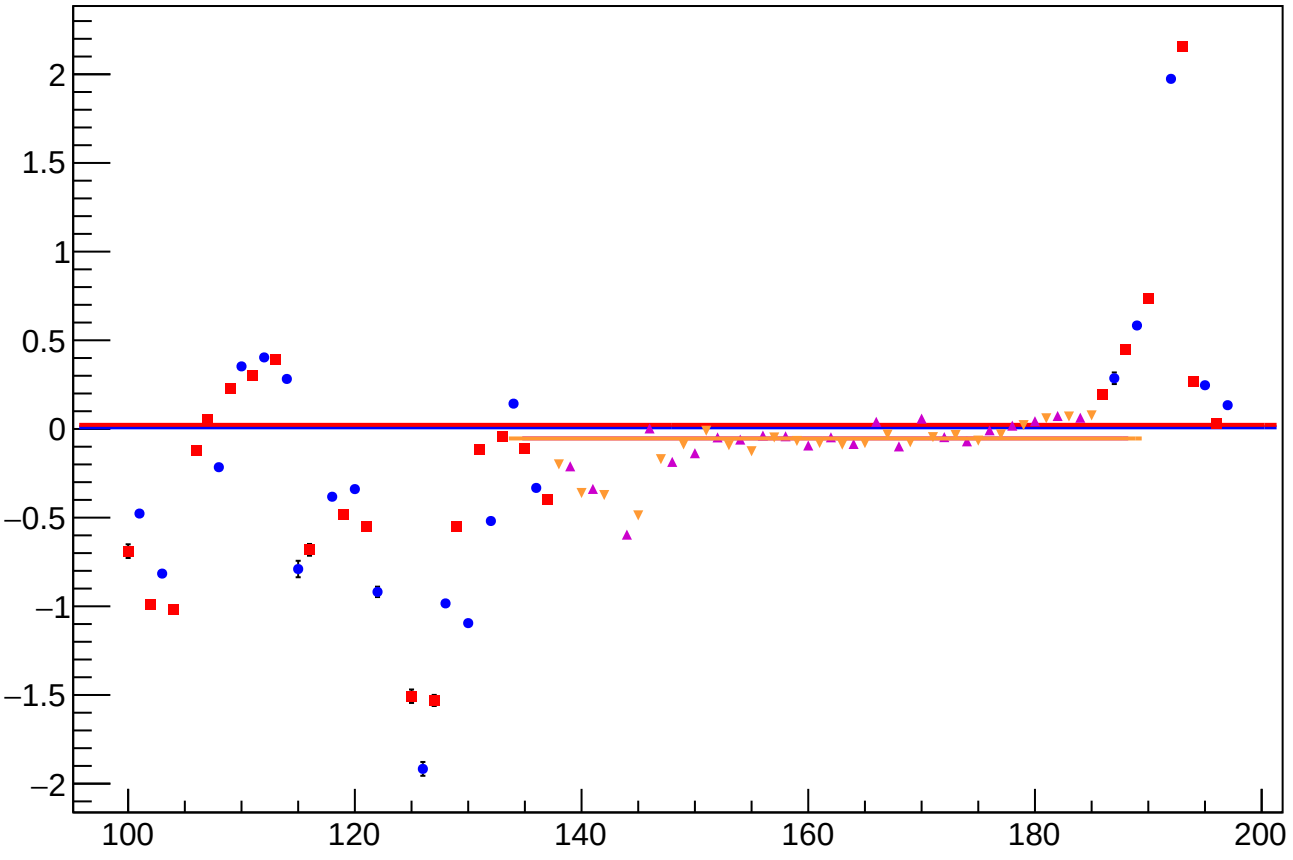
Right Out: -0.823+/-0.058 χ^2/NDF: 5373.4/23

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.257+/-0.031 χ^2/NDF: 12070.6/44

All: -1.109+/-0.022 χ^2/NDF: 24546.8/91

- sign -0.977+/-0.030 χ^2/NDF: 12434.2/46



Right In: 0.009+/-0.003 χ^2/NDF: 32851.2/20

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

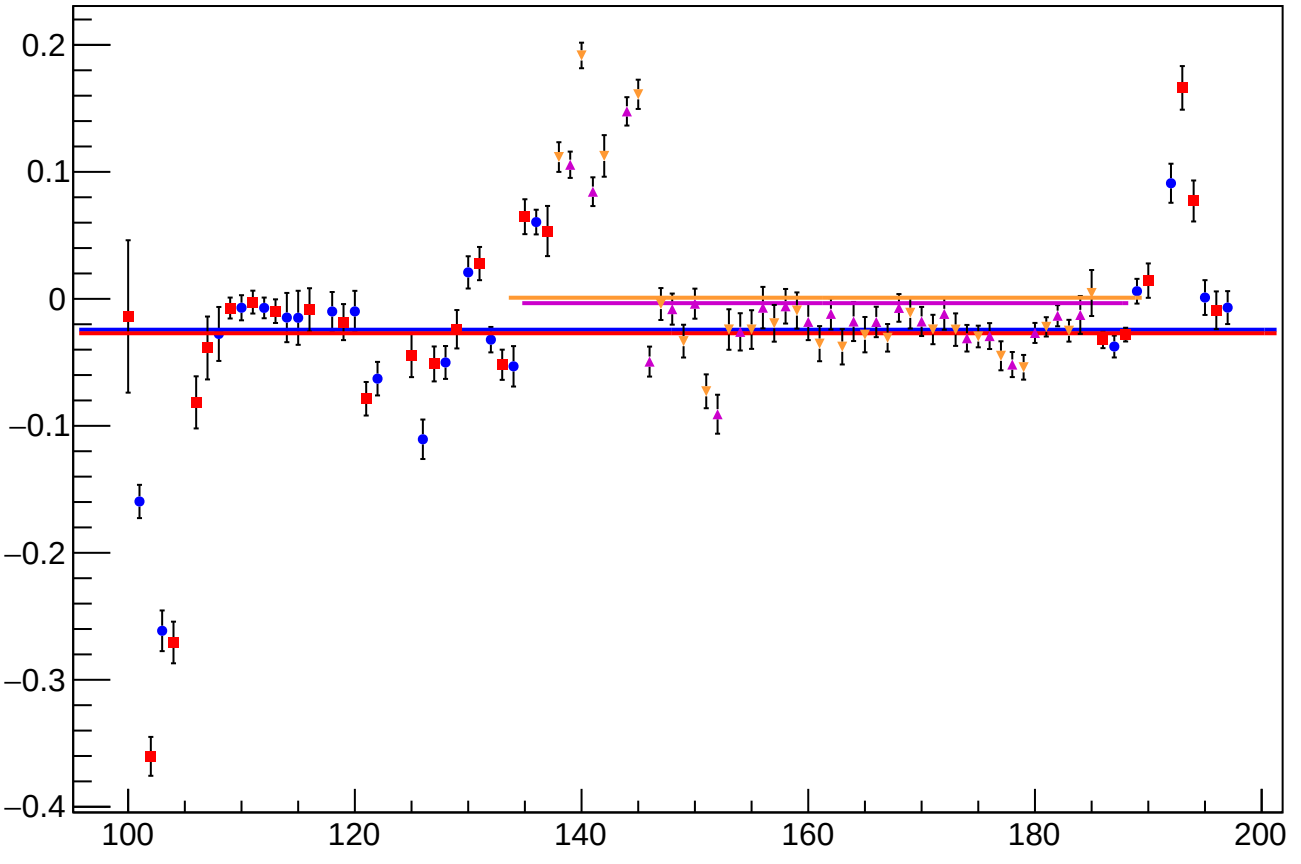
Right Out: 0.023+/-0.003 χ^2/NDF: 32099.0/23

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.040+/-0.001 χ^2/NDF: 37520.1/44

All: -0.039+/-0.001 χ^2/NDF: 75149.3/91

- sign -0.038+/-0.001 χ^2/NDF: 37628.0/46



Right In: -0.024+/-0.003 χ^2/NDF: 544.8/20

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

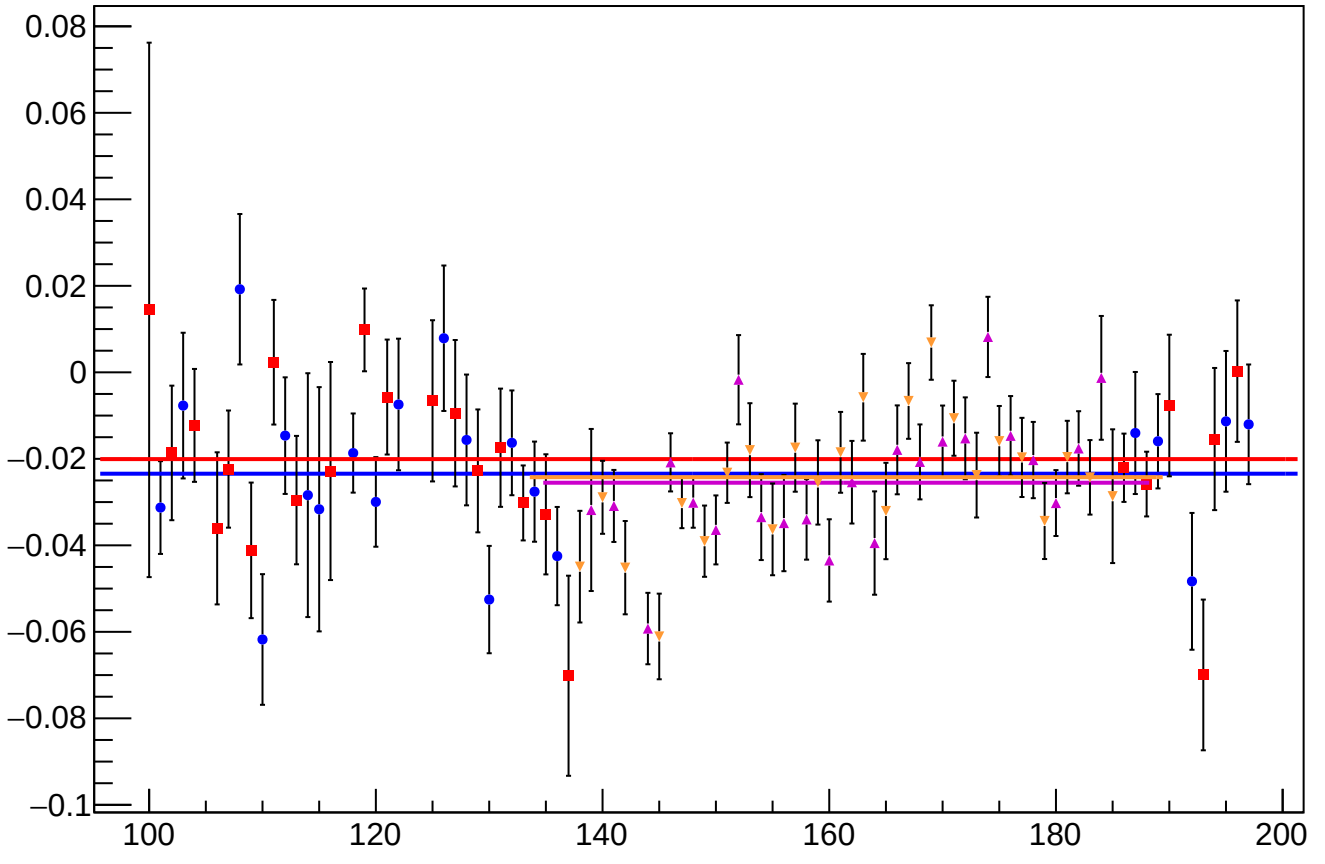
Right Out: -0.027+/-0.002 χ^2/NDF: 1001.9/23

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.010+/-0.002 χ^2/NDF: 1443.1/44

All: -0.013+/-0.001 χ^2/NDF: 2956.0/91

- sign -0.015+/-0.002 χ^2/NDF: 1508.6/46



Right In: -0.023+/-0.003 χ^2/NDF: 33.3/20

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

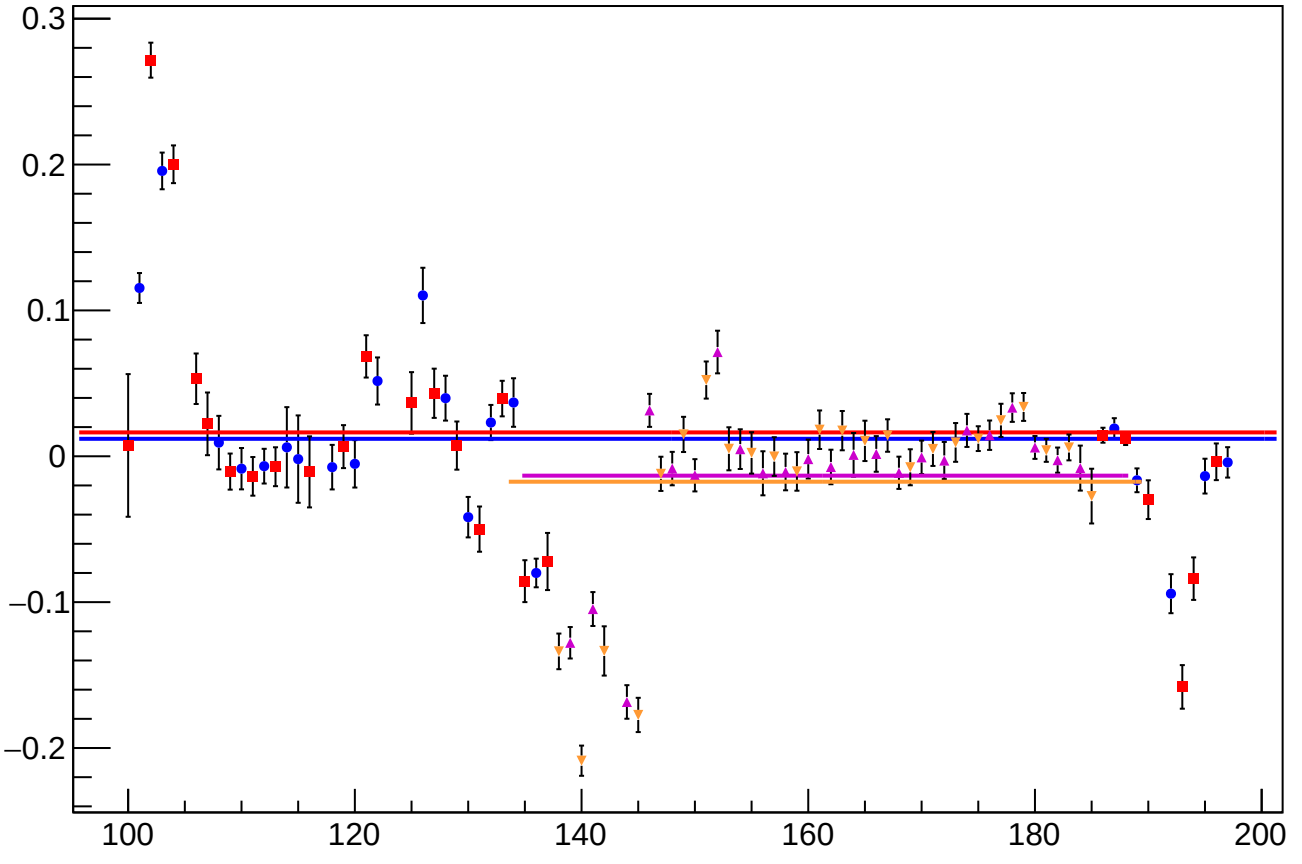
Right Out: -0.020+/-0.003 χ^2/NDF: 36.0/23

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 87.1/44

All: -0.024+/-0.001 χ^2/NDF: 180.9/91

- sign -0.024+/-0.002 χ^2/NDF: 93.8/46



Right In: 0.012+/-0.003 χ^2/NDF: 547.8/20

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

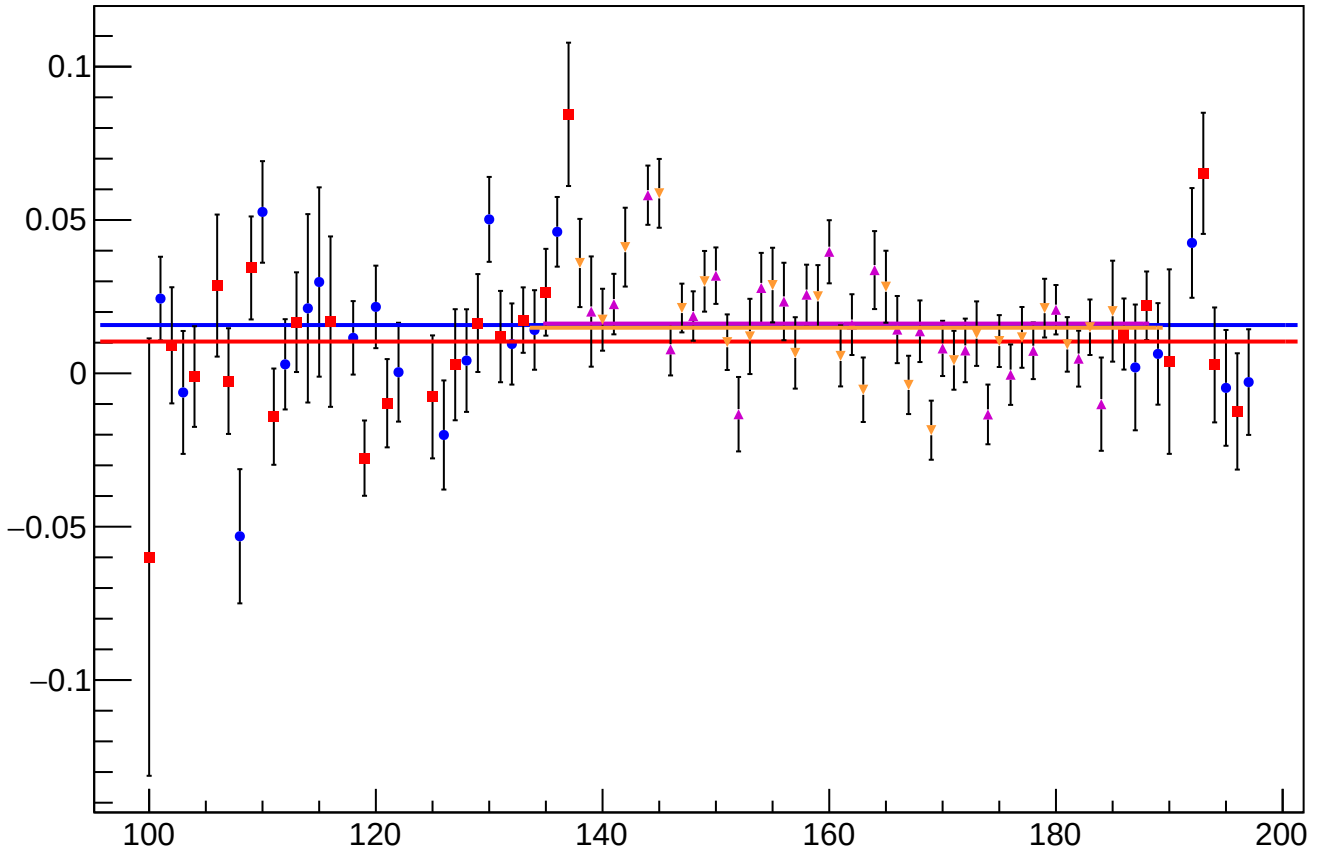
Right Out: 0.016+/-0.002 χ^2/NDF: 982.6/23

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.005+/-0.002 χ^2/NDF: 1426.1/44

All: -0.001+/-0.001 χ^2/NDF: 2954.7/91

- sign 0.002+/-0.002 χ^2/NDF: 1521.0/46



Right In: 0.016+/-0.003 χ^2/NDF: 42.2/20

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

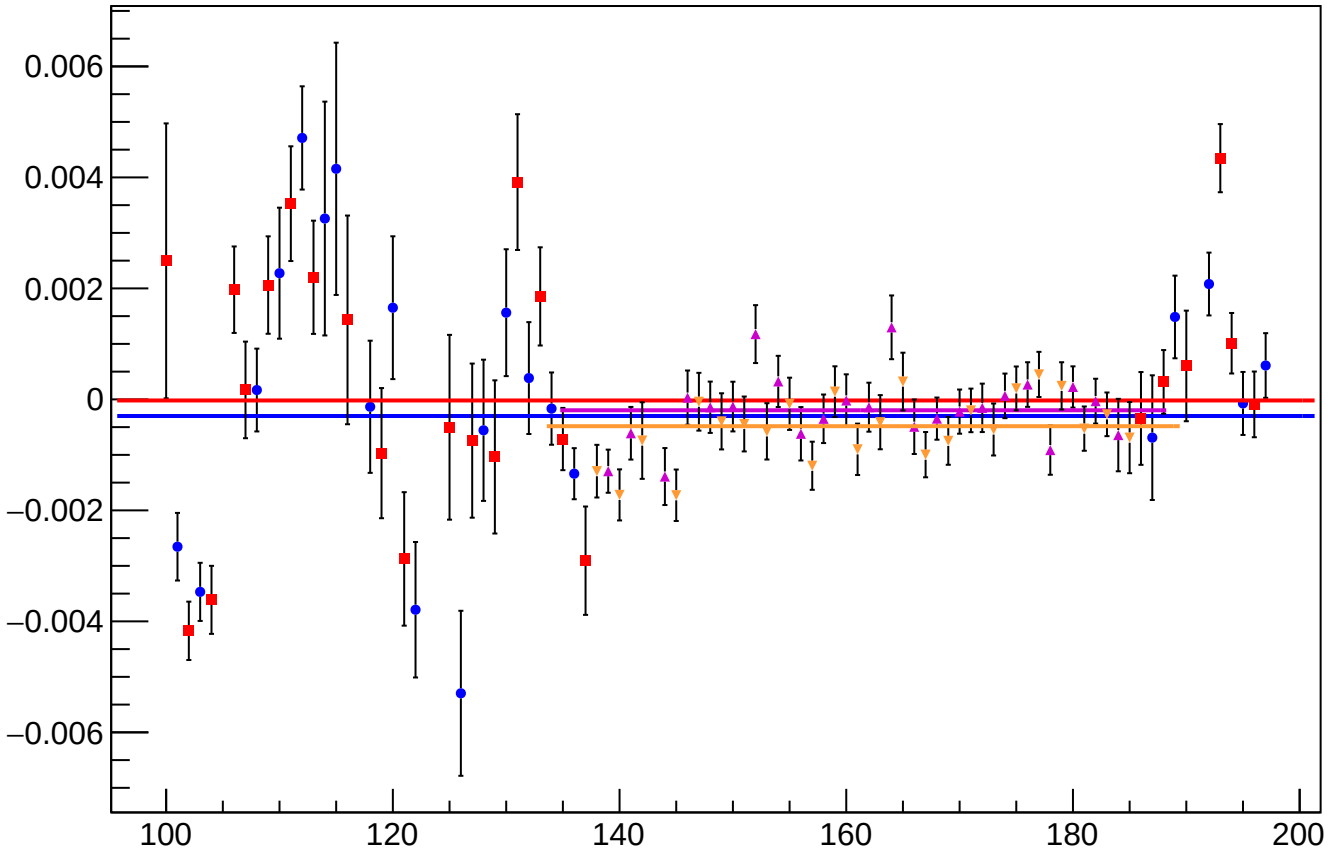
Right Out: 0.010+/-0.003 χ^2/NDF: 42.3/23

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 94.3/44

All: 0.015+/-0.001 χ^2/NDF: 196.8/91

- sign 0.015+/-0.002 χ^2/NDF: 102.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 148.6/20

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 214.3/23

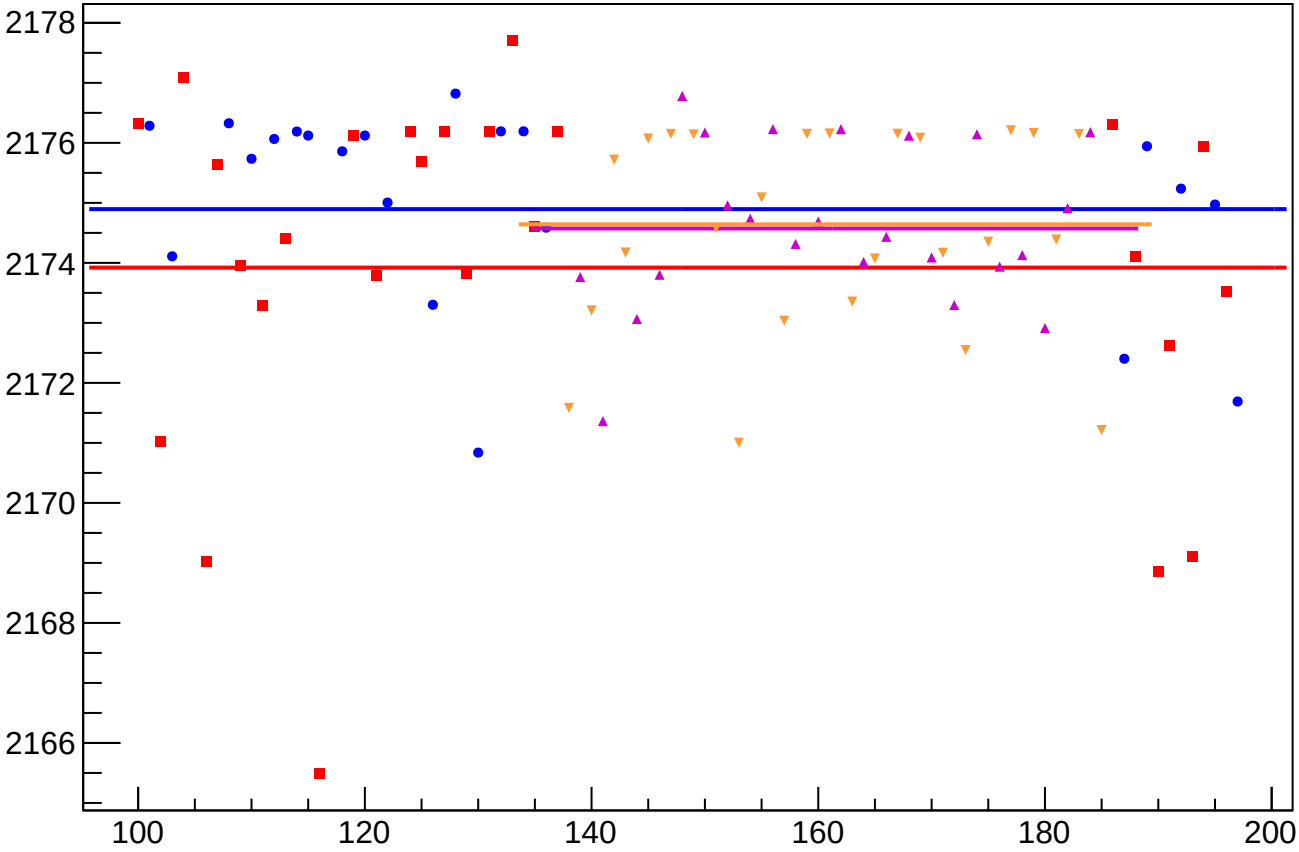
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 190.4/44

All: -0.000+/-0.000 χ^2/NDF: 449.0/91

- sign -0.000+/-0.000 χ^2/NDF: 252.4/46

HALLA_p_mean vs Slug



Right In: 2174.896+/-0.000 χ^2/NDF: 290789974999235707833423079931904 0.0/20

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

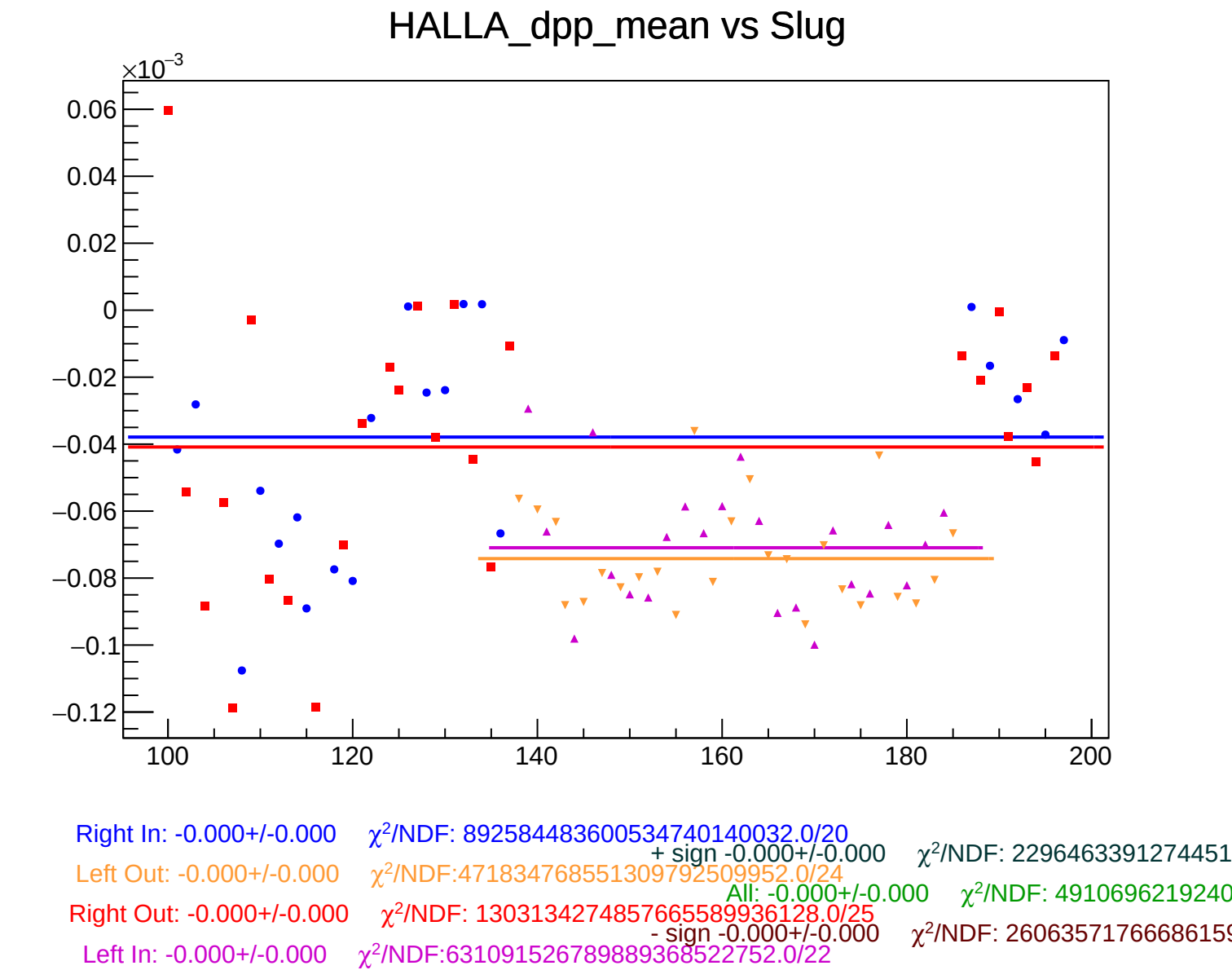
Right Out: 2173.921+/-0.000 χ^2/NDF: 90268288048178638865839971431874 56.0/25

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

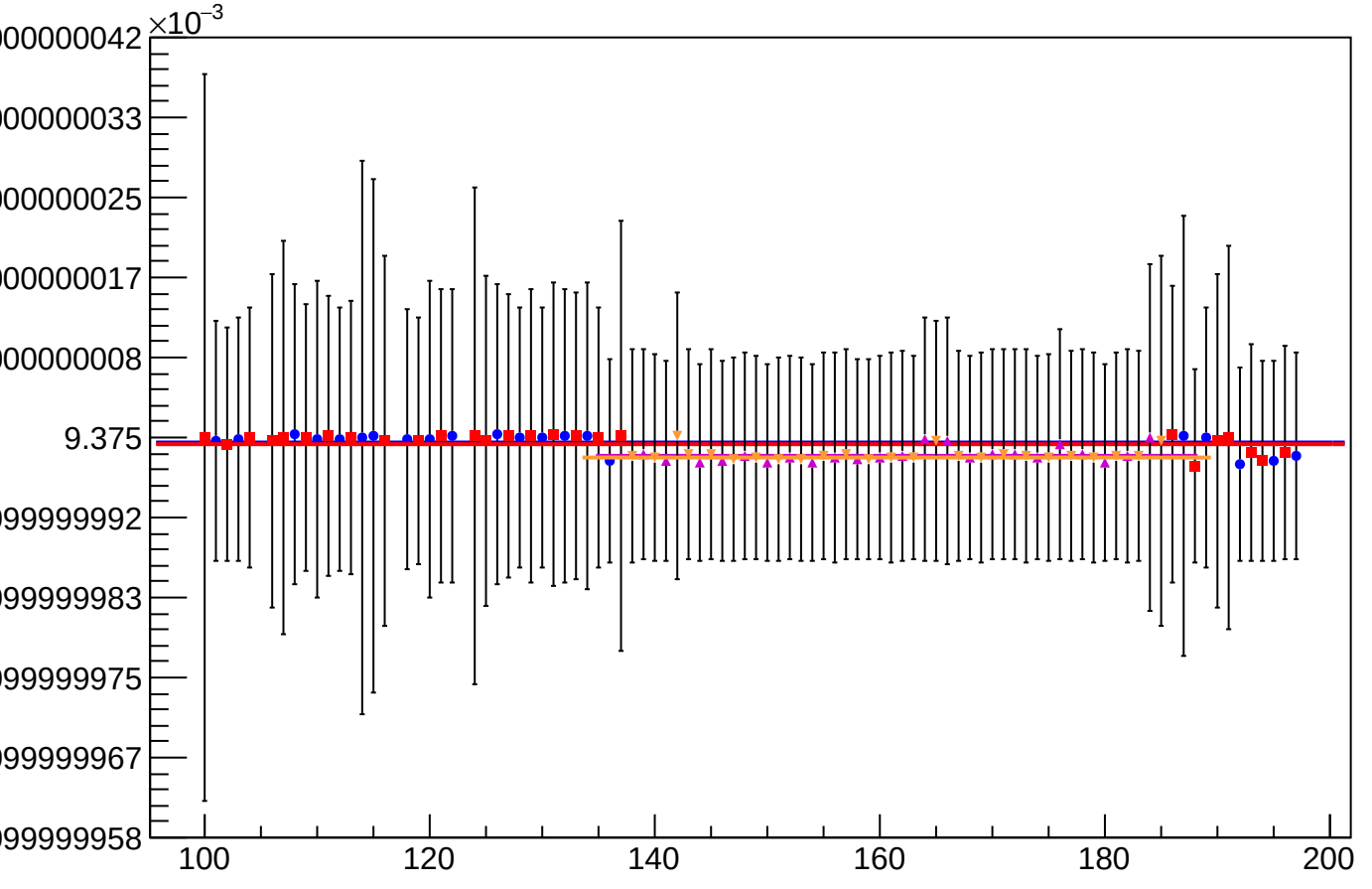
+ sign 2174.731+/-0.000 χ^2/NDF: 8164969051037

All: 2174.525+/-0.000 χ^2/NDF: 2120346206

- sign 2174.319+/-0.000 χ^2/NDF: 12773512558633


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: 8925844836005347401400320/20
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: -0.000+/-0.000 χ²/NDF: 1303134274857665589936128.0/25
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 2296463391274451
All: -0.000+/-0.000 χ²/NDF: 4910696219240
- sign -0.000+/-0.000 χ²/NDF: 2606357176668615

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/25

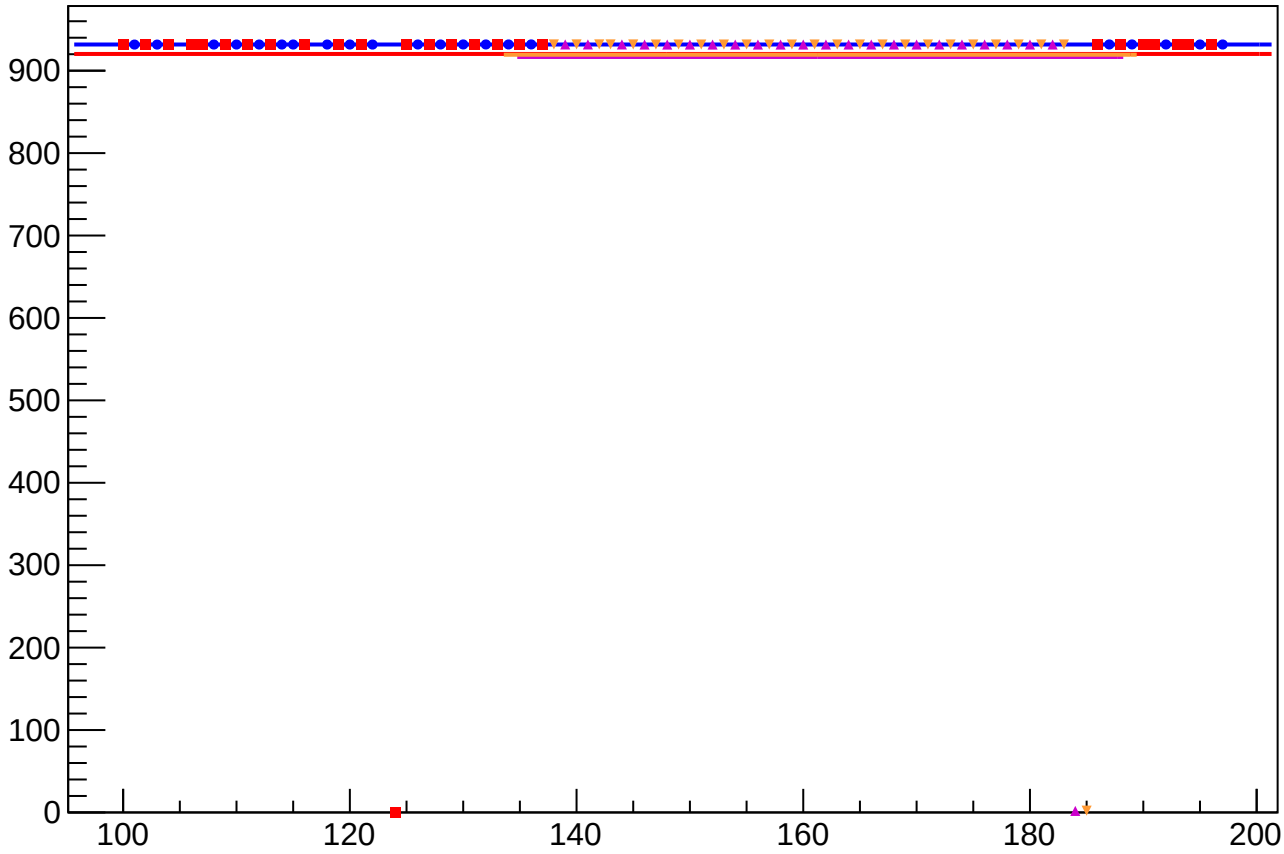
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/45

All: 0.009+/-0.000 χ^2/NDF: 0.7/94

- sign 0.009+/-0.000 χ^2/NDF: 0.4/48

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.777+/-0.000 χ^2/NDF: 3182259391980394317402416873472.0/20

+ sign 923.704+/-0.000 χ^2/NDF: 231304031142544

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

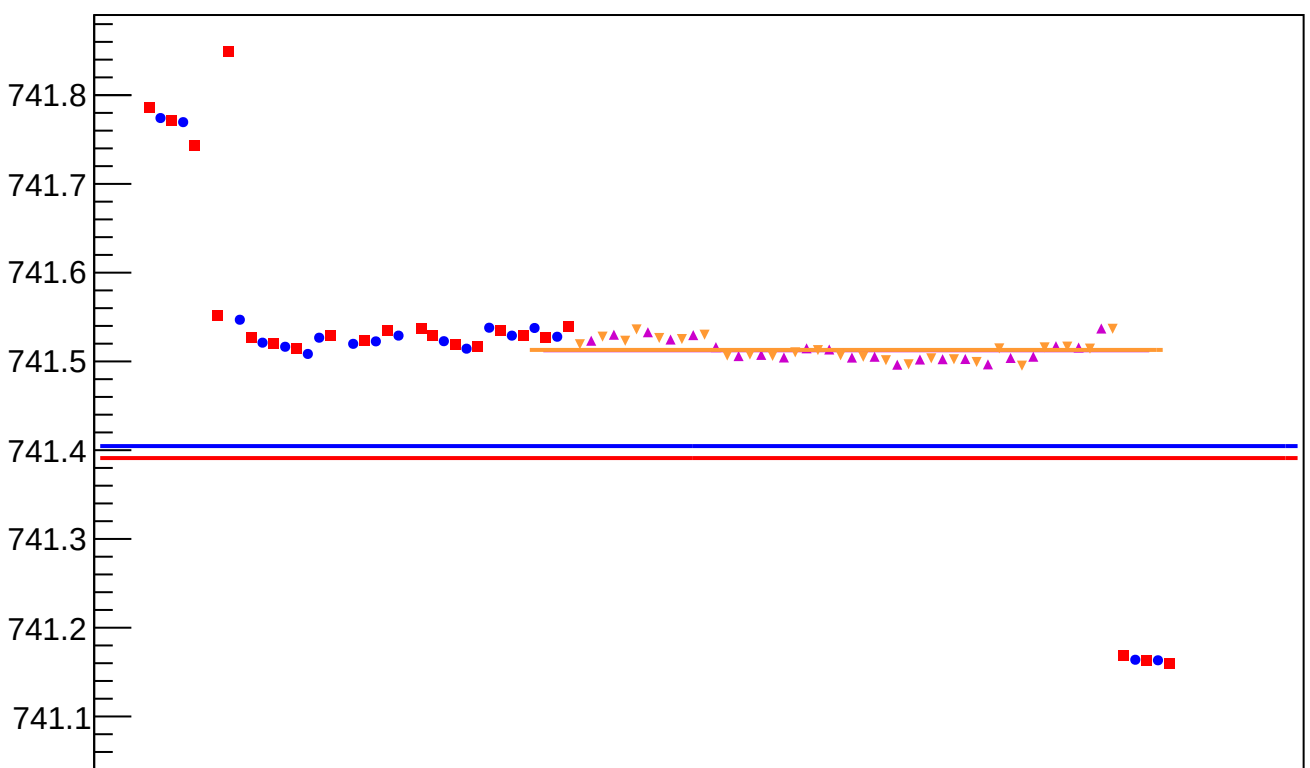
All: 920.882+/-0.000 χ^2/NDF: 624212412286

Right Out: 920.298+/-0.000 χ^2/NDF: 1286186736034496279070061469986243968.0/25

- sign 918.074+/-0.000 χ^2/NDF: 392414710936088

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.405+/-0.000 χ^2/NDF: 700709779168412110514894667776000.0/20

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005120.0/24

Right Out: 741.391+/-0.000 χ^2/NDF: 80214280144571211966009319620608.0/25

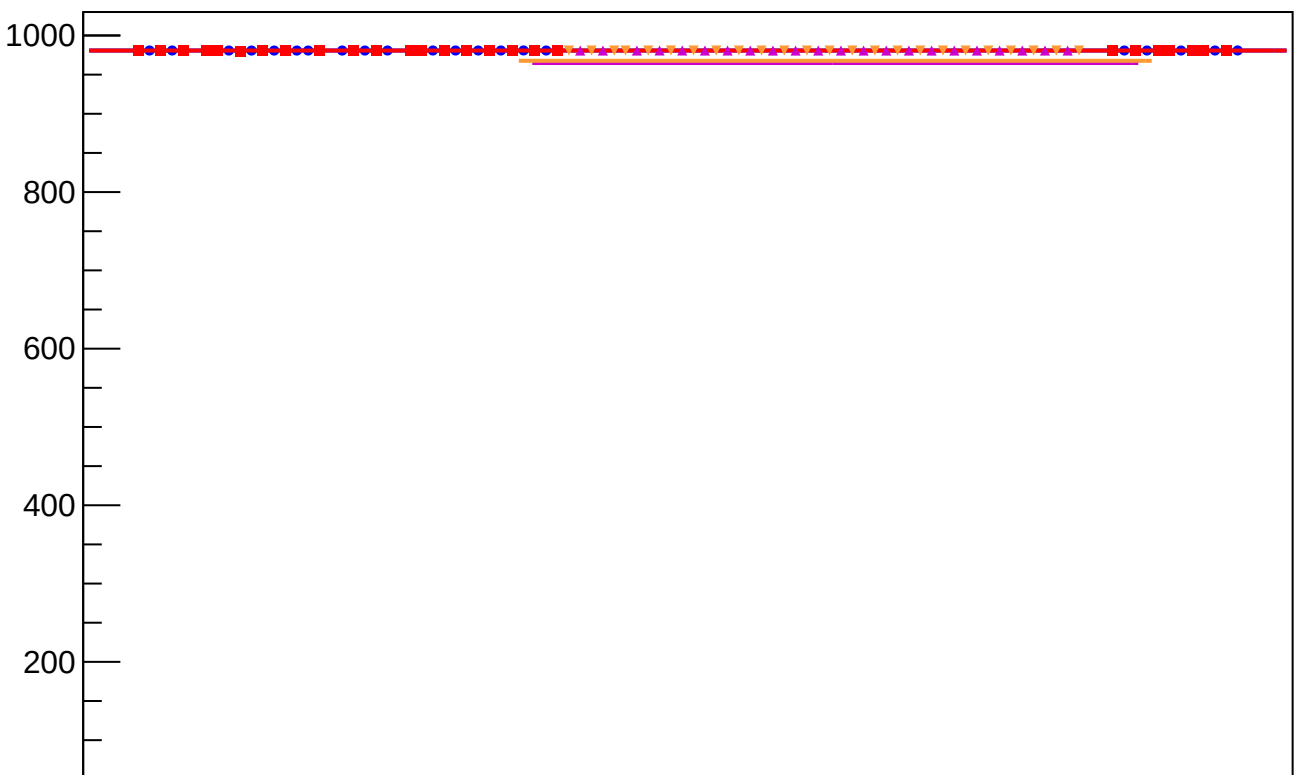
Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827520.0/22

+ sign 741.475+/-0.000 χ^2/NDF: 786261410960908

All: 741.470+/-0.000 χ^2/NDF: 17018026000

- sign 741.465+/-0.000 χ^2/NDF: 914061806000113

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.808+/-0.000 χ^2/NDF: 135321444574822124986372089446 4.0/20

+ sign 972.279+/-0.000 χ^2/NDF: 256271287131100

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369 2672.0/24

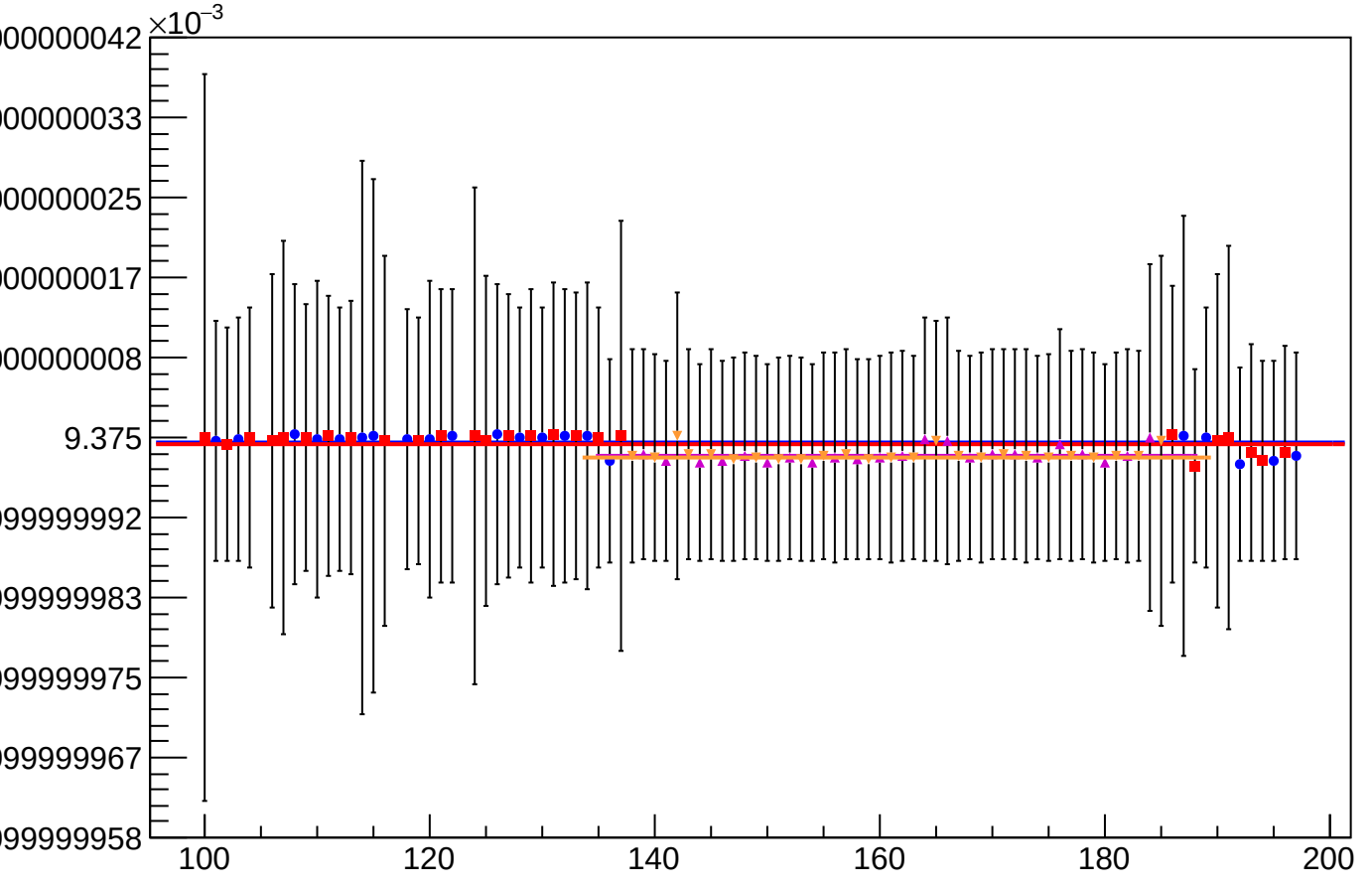
All: 971.667+/-0.000 χ^2/NDF: 550336189841

Right Out: 980.775+/-0.000 χ^2/NDF: 6335563729780612887971337601024 0.0/25

- sign 971.058+/-0.000 χ^2/NDF: 294041678105365

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: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/25

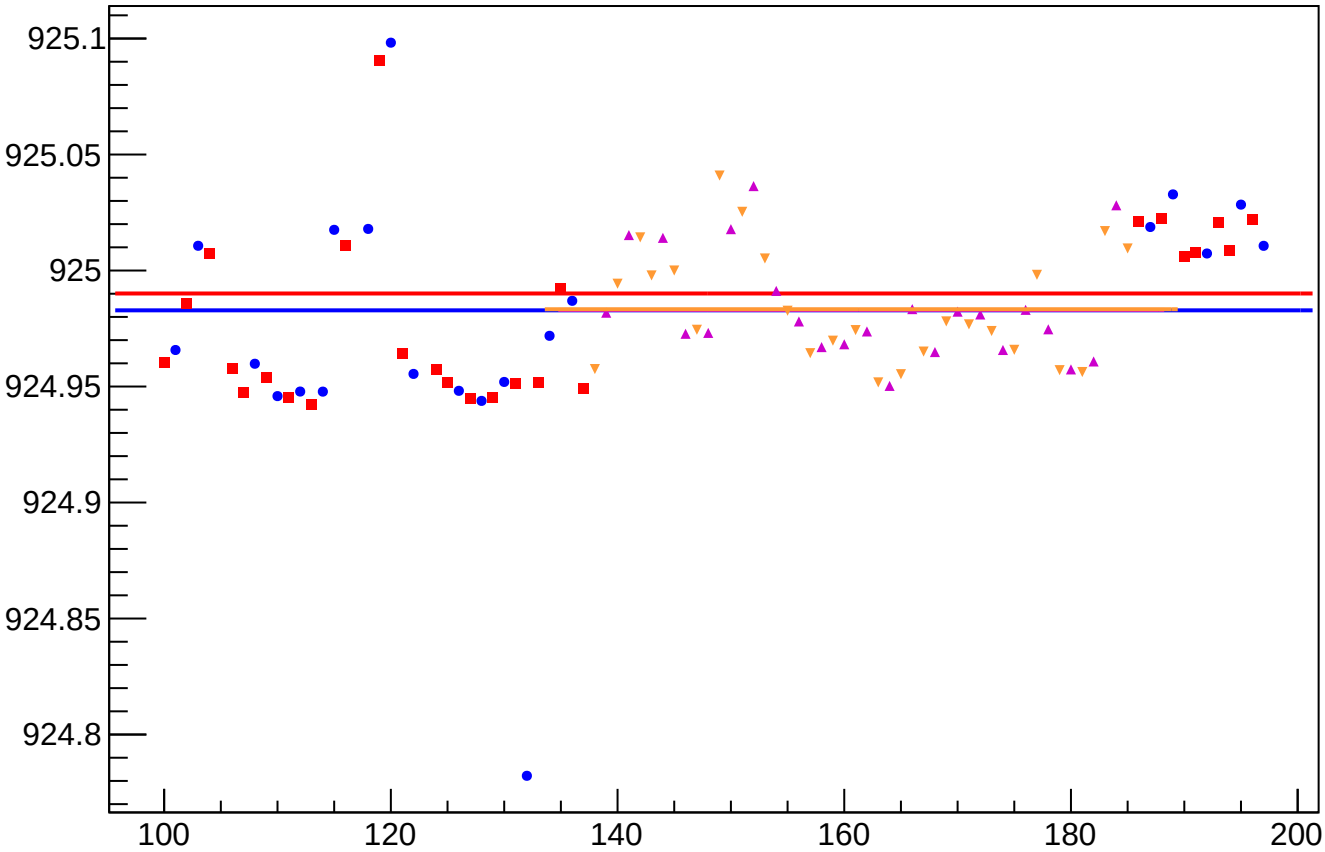
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/45

All: 0.009+/-0.000 χ^2/NDF: 0.7/94

- sign 0.009+/-0.000 χ^2/NDF: 0.4/48

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.983+/-0.000 χ^2/NDF: 3222916970360606124249096126464.0/20

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.990+/-0.000 χ^2/NDF: 178874237137955564493787155660 8.0/25

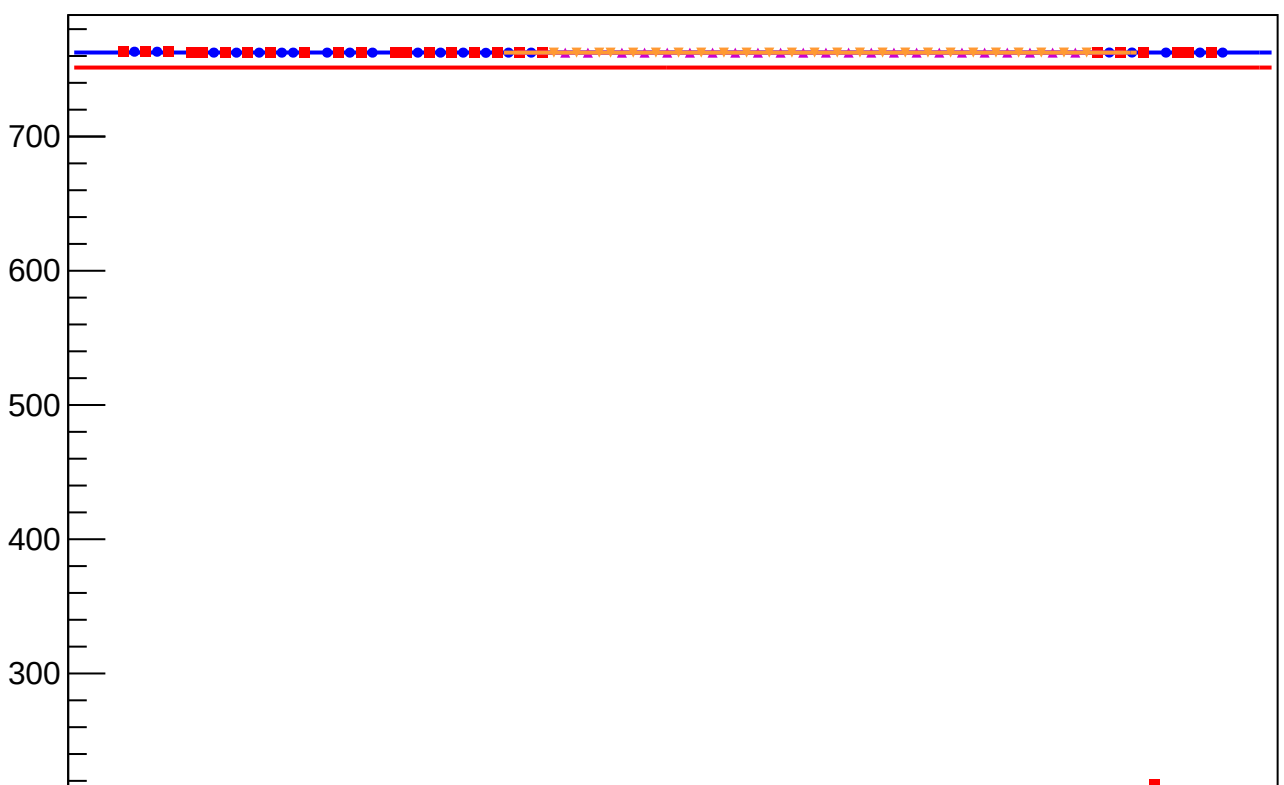
Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

+ sign 924.983+/-0.000 χ^2/NDF: 438418482504337

All: 924.984+/-0.000 χ^2/NDF: 714935695386

- sign 924.986+/-0.000 χ^2/NDF: 275440112061560

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.588+/-0.000 χ^2/NDF: 535090135553968030519126791290880.0/20

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 751.387+/-0.000 χ^2/NDF: 728708590141968773317265177965703987 2.0/25

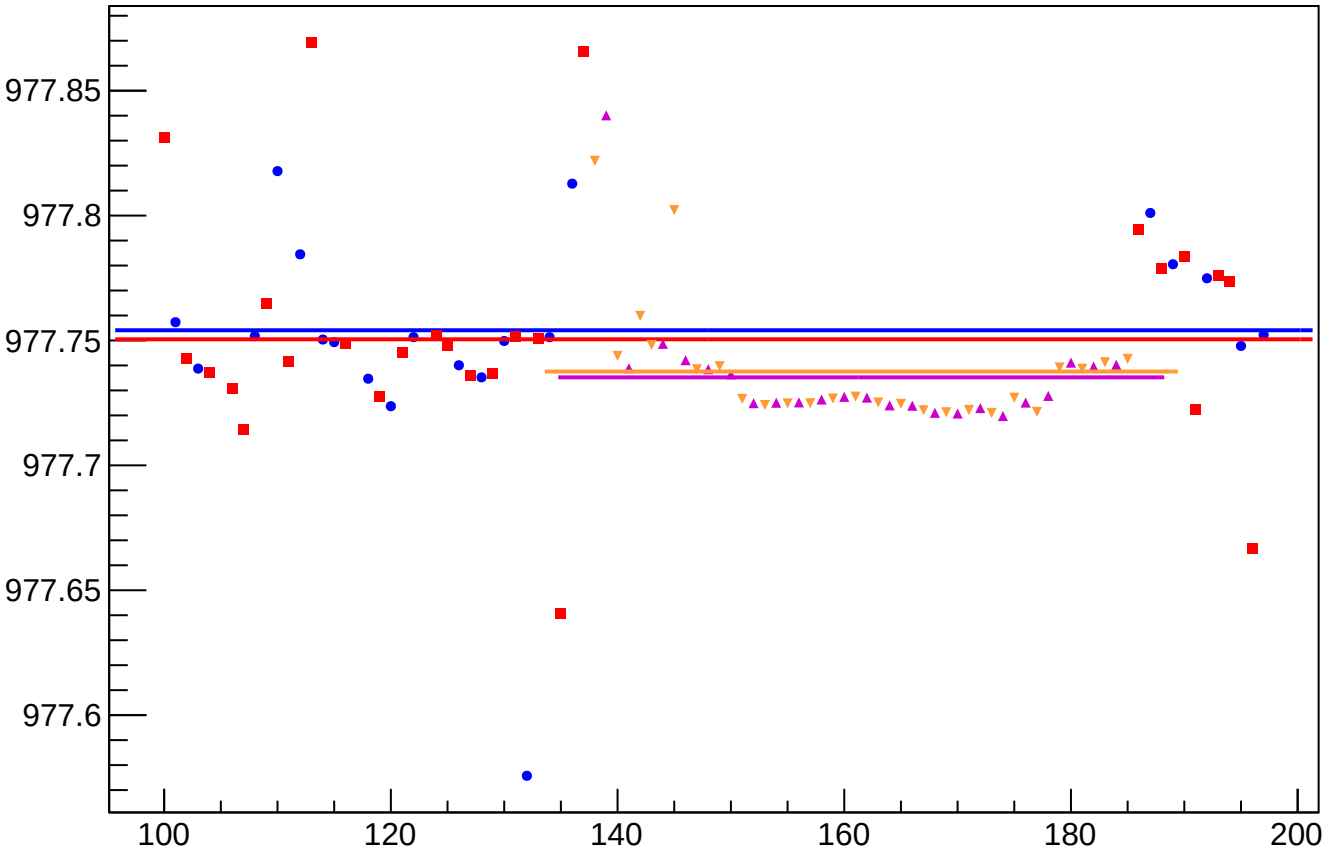
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.543+/-0.000 χ^2/NDF: 576796036526271

All: 760.356+/-0.000 χ^2/NDF: 740882302659

- sign 758.181+/-0.000 χ^2/NDF: 737913156942735

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.754+/-0.000 χ^2/NDF: 21032941303868552544574347673600.0/20

Left Out: 977.738+/-0.000 χ^2/NDF:11784078725663365723250009047040.0/24

Right Out: 977.750+/-0.000 χ^2/NDF: 2683111720754439748569884786688.0/25

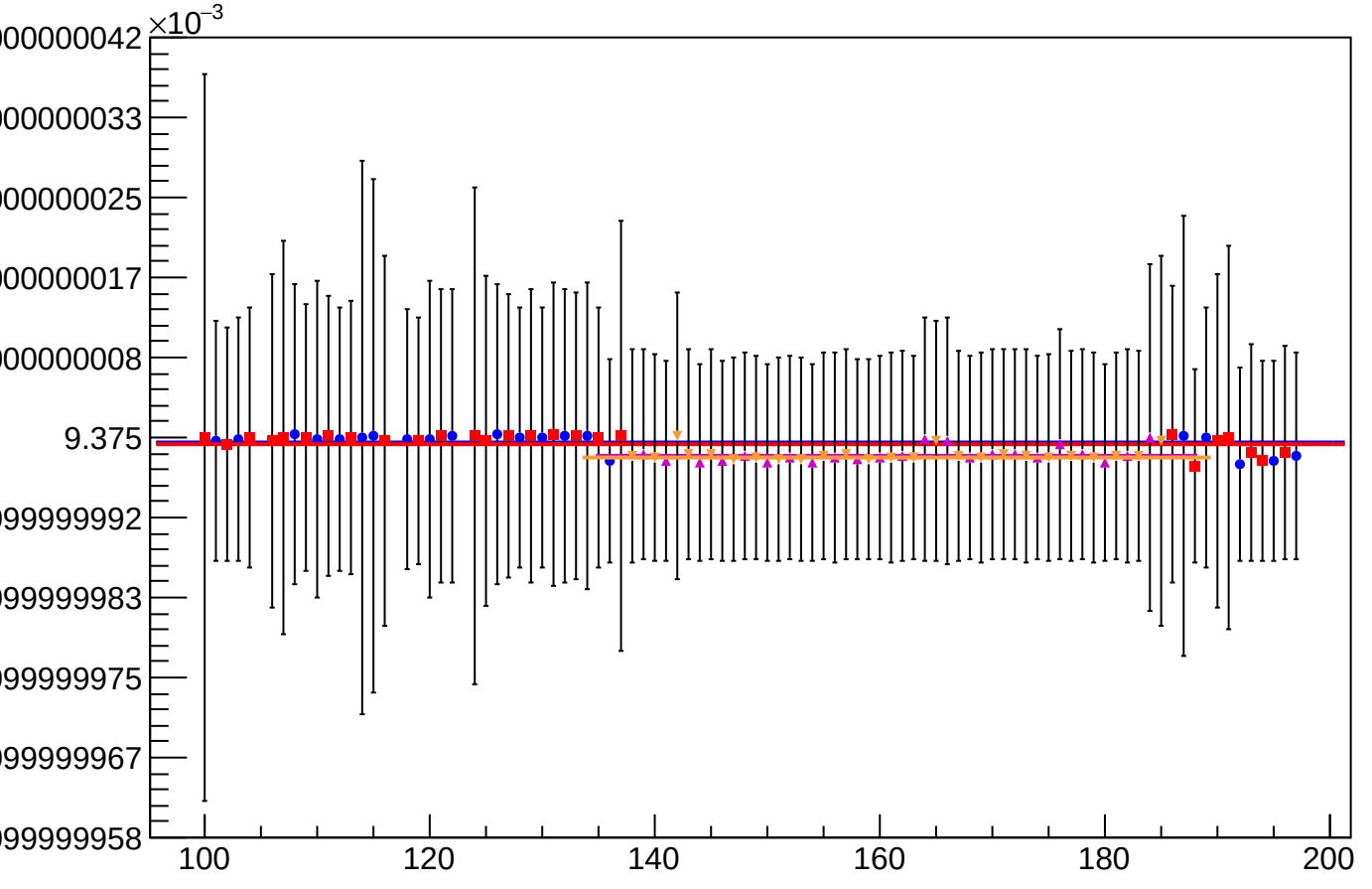
Left In: 977.735+/-0.000 χ^2/NDF:10967664376054172546270725406720.0/22

+ sign 977.743+/-0.000 χ^2/NDF: 347487413329088

All: 977.742+/-0.000 χ^2/NDF: 7434632109350

- sign 977.741+/-0.000 χ^2/NDF: 395232856788651

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/25

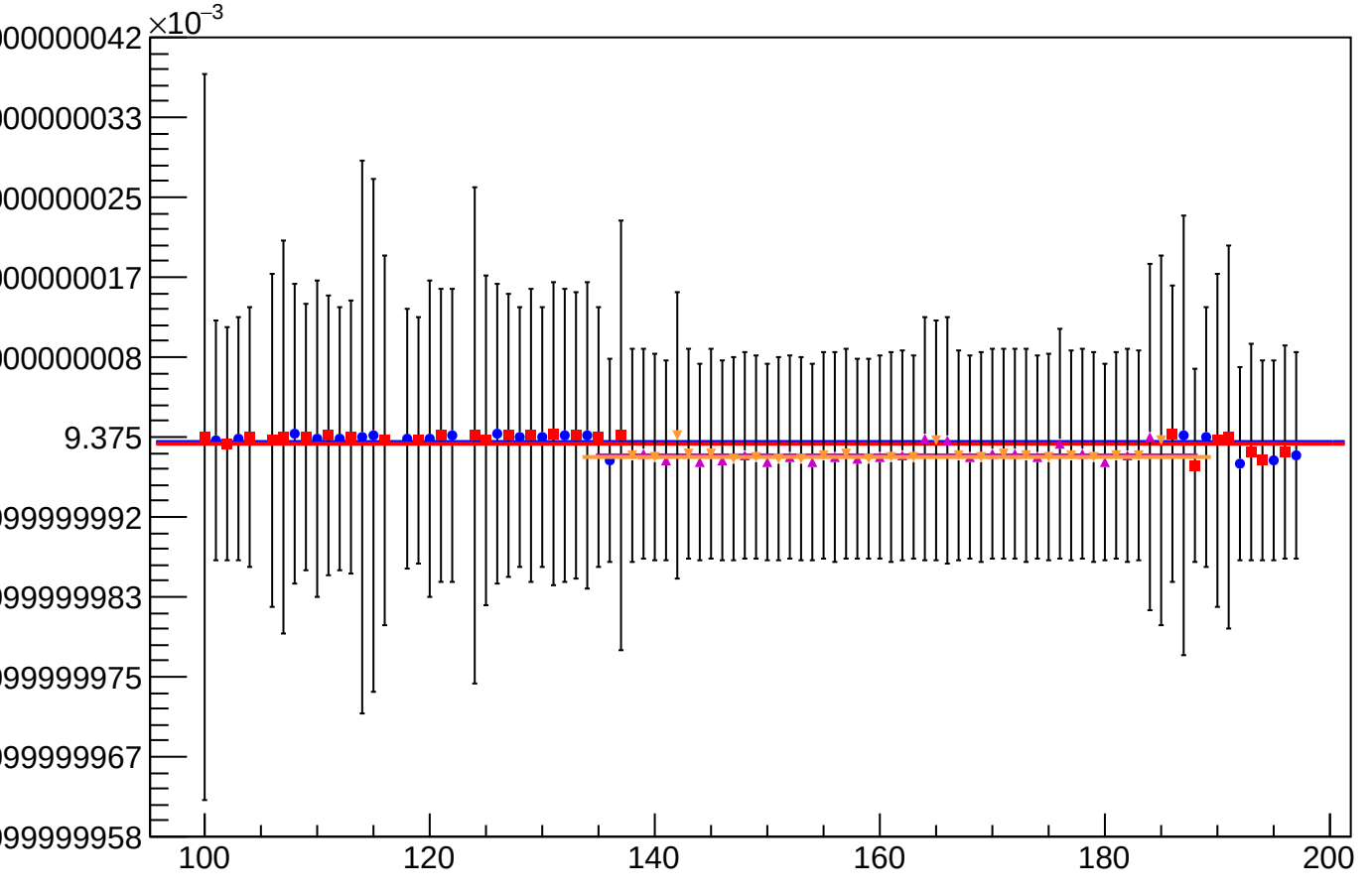
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/45

All: 0.009+/-0.000 χ^2/NDF: 0.7/94

- sign 0.009+/-0.000 χ^2/NDF: 0.4/48

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/25

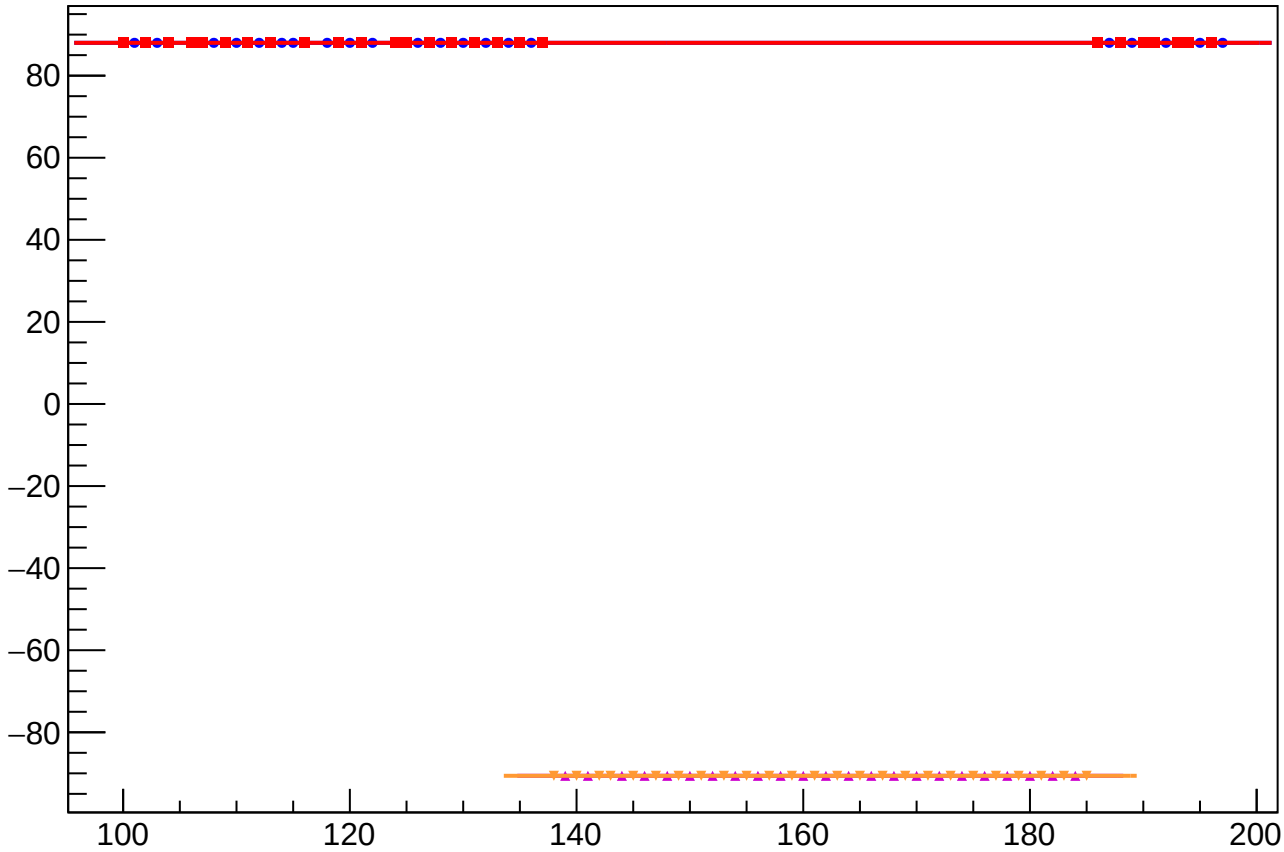
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/45

All: 0.009+/-0.000 χ^2/NDF: 0.7/94

- sign 0.009+/-0.000 χ^2/NDF: 0.4/48

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 2397733.3/20

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.002+/-0.000 χ^2/NDF: 753076388048539839013555343872.0/25

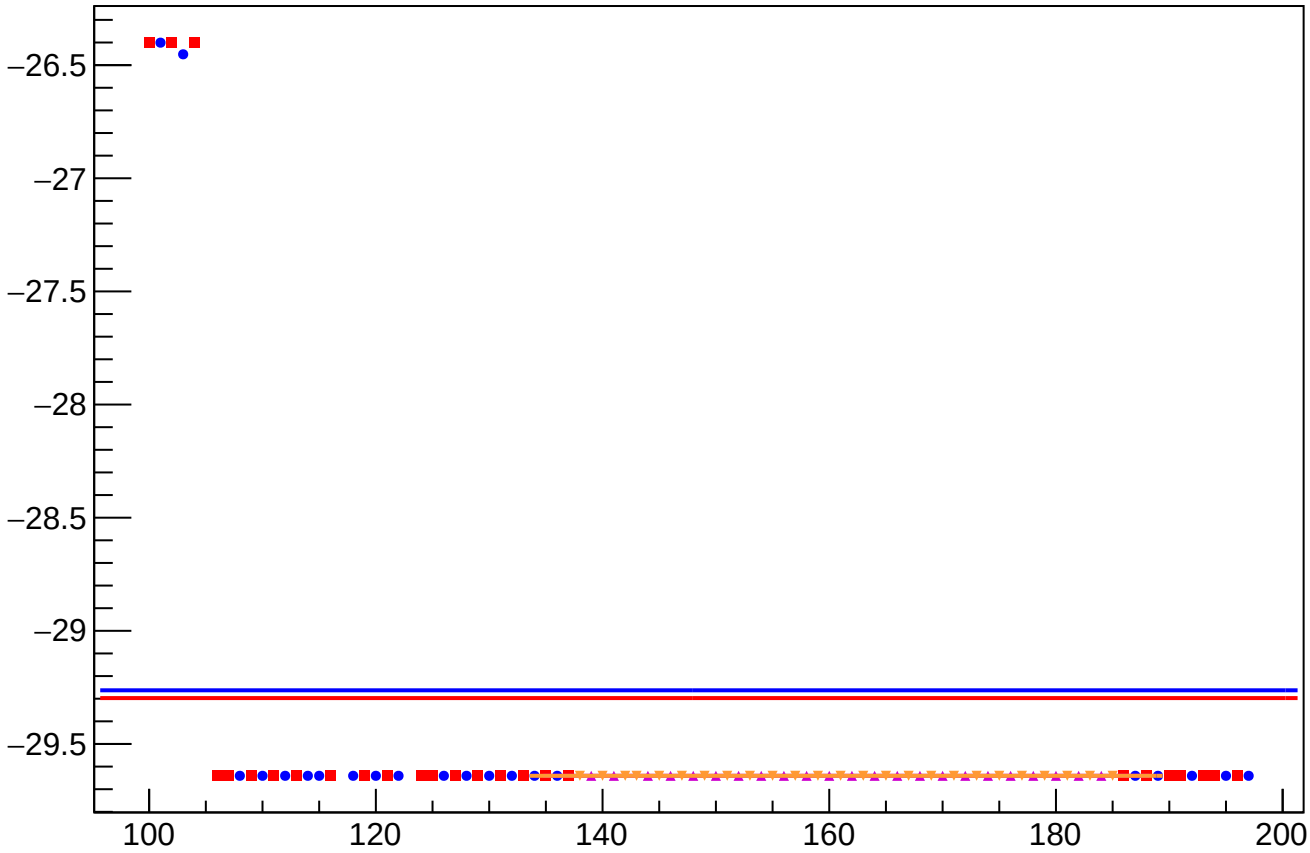
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -28.000+/-0.000 χ^2/NDF: 225616416774766

All: -24.491+/-0.000 χ^2/NDF: 463305563525

- sign -21.000+/-0.000 χ^2/NDF: 2369259574236903

HWienAngle_mean vs Slug



Right In: -29.263+/-0.000 χ^2/NDF: 116738600047226666649076602660454 4.0/20

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

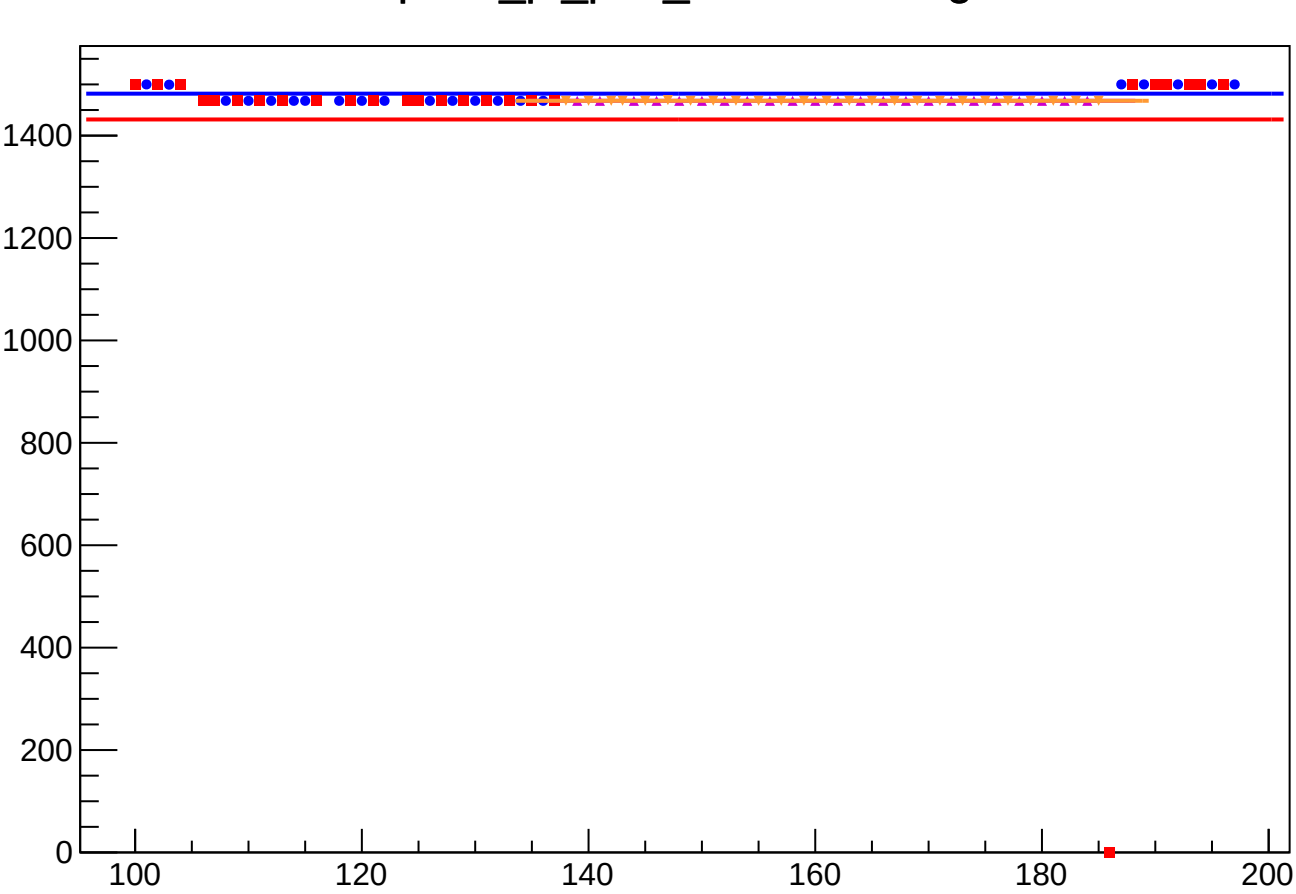
Right Out: -29.297+/-0.000 χ^2/NDF: 12106484430567086561063896413634 56.0/25

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.508+/-0.000 χ^2/NDF: 126836928476710

All: -29.508+/-0.000 χ^2/NDF: 256662594260

- sign -29.507+/-0.000 χ^2/NDF: 1298253620749271



Right In: 1481.946+/-0.000 χ^2/NDF: 2735999079316173084139672480566476 8.0/20

+ sign 1472.921+/-0.000 χ^2/NDF: 4103165265684

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1463.332+/-0.000 χ^2/NDF: 914136902 08

Right Out: 1431.553+/-0.000 χ^2/NDF: 894471917696623869393188896409093406 72.0/25

- sign 1453.793+/-0.000 χ^2/NDF: 90433514930932

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Phi_FG_mean vs Slug

Right In: 90.105+/-0.000 χ^2/NDF: 17080004679637834068245888158924 8.0/20

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.091+/-0.000 χ^2/NDF: 17732558356616707279633339593523 2.0/25

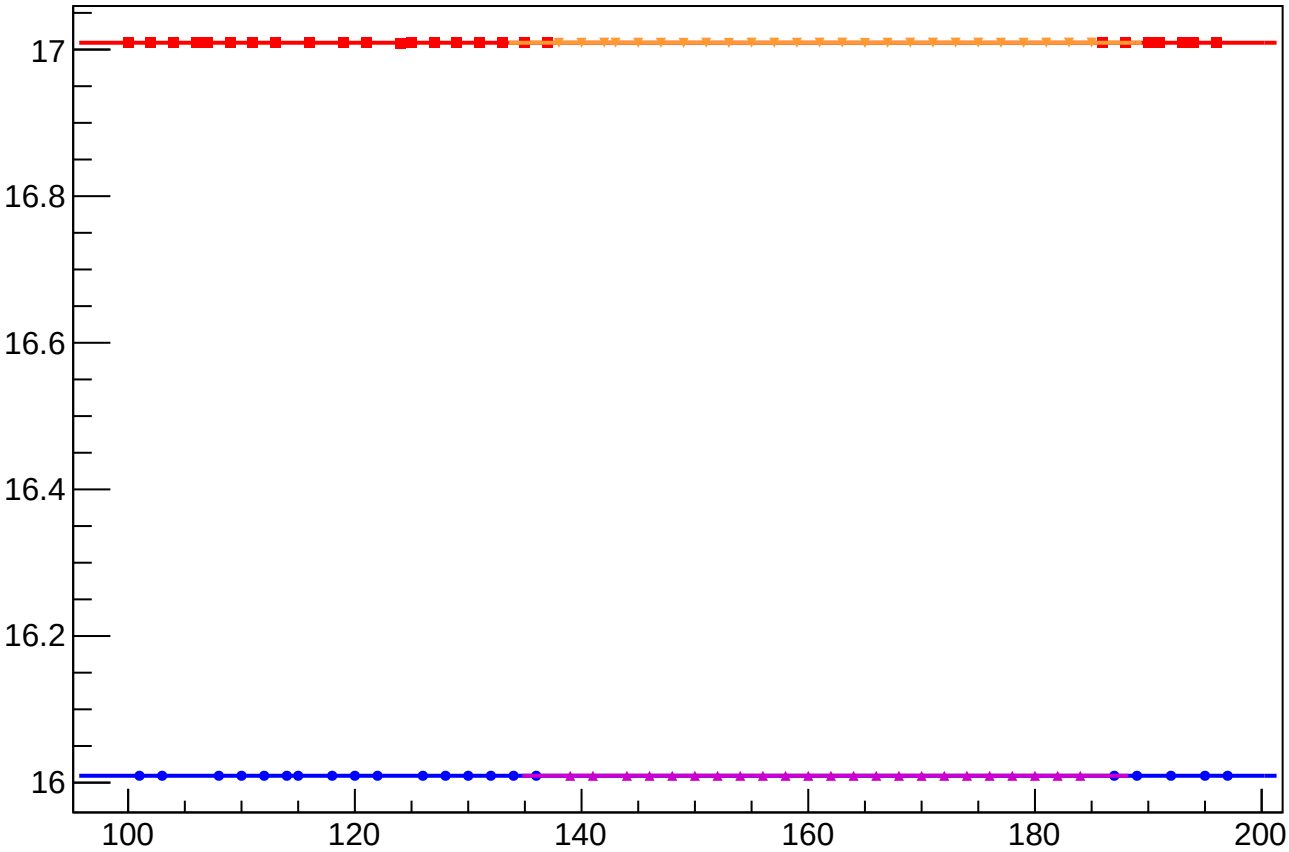
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.751+/-0.000 χ^2/NDF: 3242203438782286

All: 88.789+/-0.000 χ^2/NDF: 661129122962

- sign 88.827+/-0.000 χ^2/NDF: 3360023998308317

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 309258.7/20

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 16952030517492332812566528.0/25

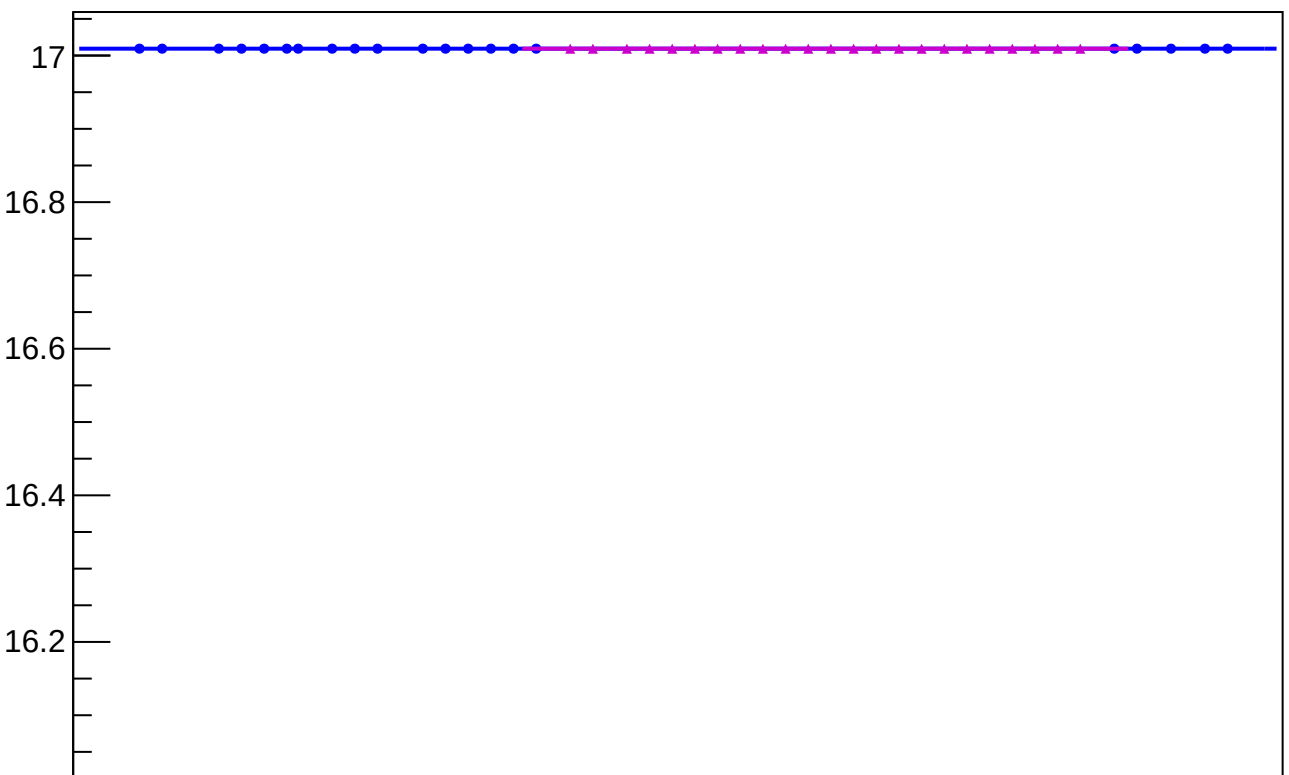
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.650+/-0.000 χ^2/NDF: 6725417456015466

All: 16.526+/-0.000 χ^2/NDF: 145749461840

- sign 16.403+/-0.000 χ^2/NDF: 6957120827674400

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 230852.3/20

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

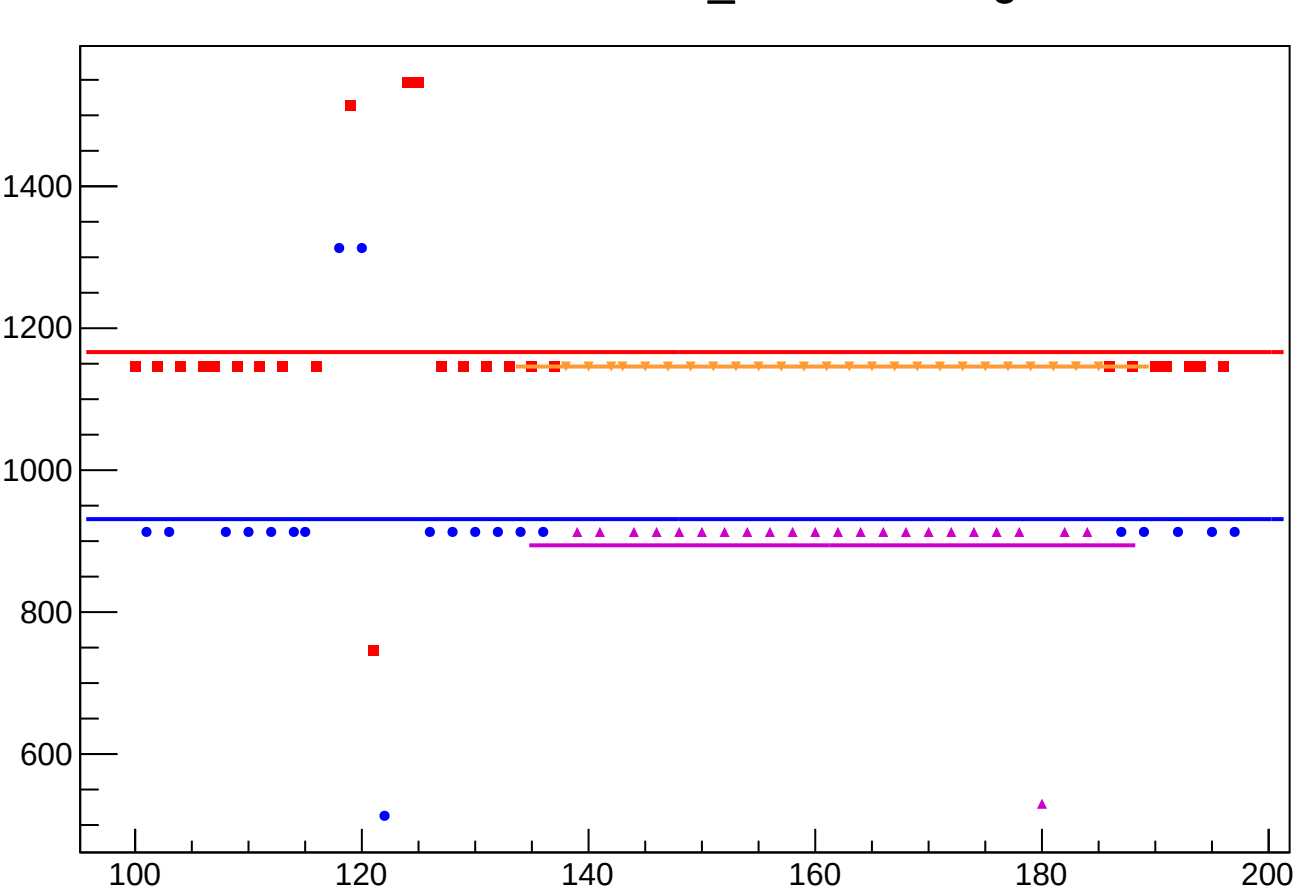
Right Out: 16.009+/-0.000 χ^2/NDF: 292509.6/25

Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.356+/-0.000 χ^2/NDF: 6897252961826184

All: 16.486+/-0.000 χ^2/NDF: 1526576157003

- sign 16.615+/-0.000 χ^2/NDF: 7341921311738834



Right In: 930.993+/-0.000 χ^2/NDF: 21248610729613686546160339559089438720.0/20

+ sign 1070.653+/-0.000 χ^2/NDF: 539520000655830

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974720.0/24

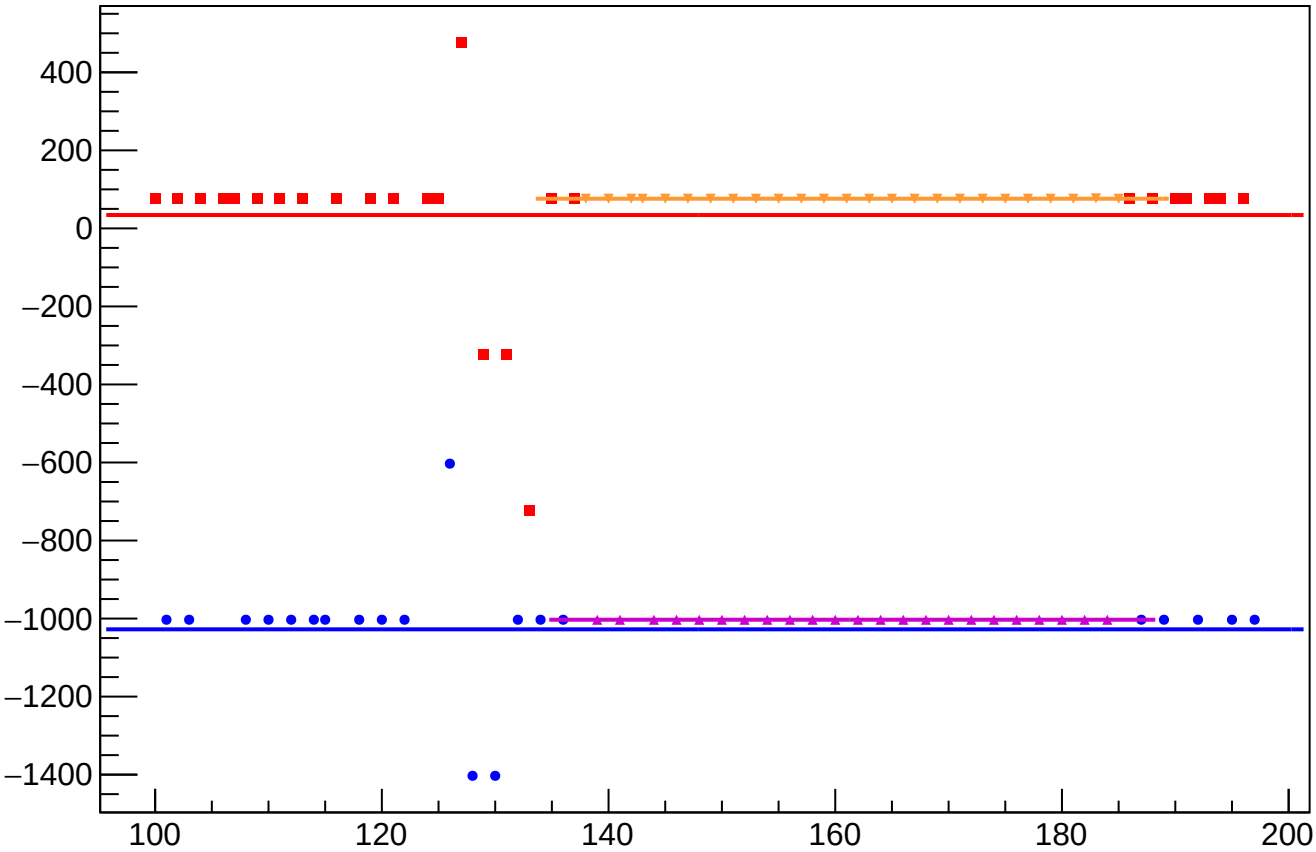
All: 1035.342+/-0.000 χ^2/NDF: 1522935380

Right Out: 1166.388+/-0.000 χ^2/NDF: 22440951848937467996506755894509305856.0/25

- sign 1000.212+/-0.000 χ^2/NDF: 906132963955300

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1027.599+/-0.000 χ^2/NDF: 2318010356868973575220724887643278540 8.0/20

+ sign -310.776+/-0.000 χ^2/NDF: 884713580393333

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

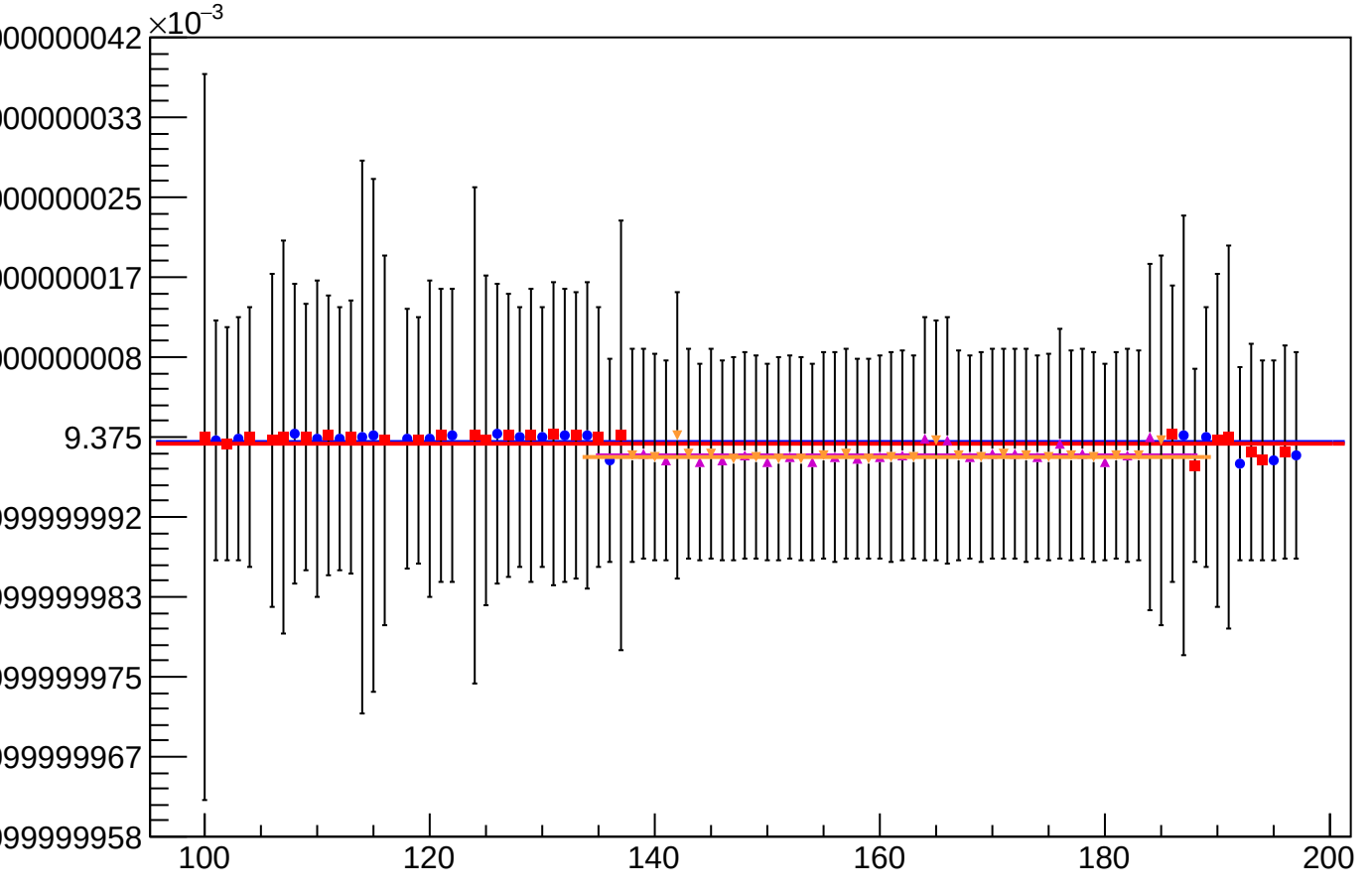
All: -455.149+/-0.000 χ^2/NDF: 1860347609 5

Right Out: 34.268+/-0.000 χ^2/NDF: 4731923413448227854488382323837789798 4.0/25

- sign -598.781+/-0.000 χ^2/NDF: 8464448788980 34

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: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/25

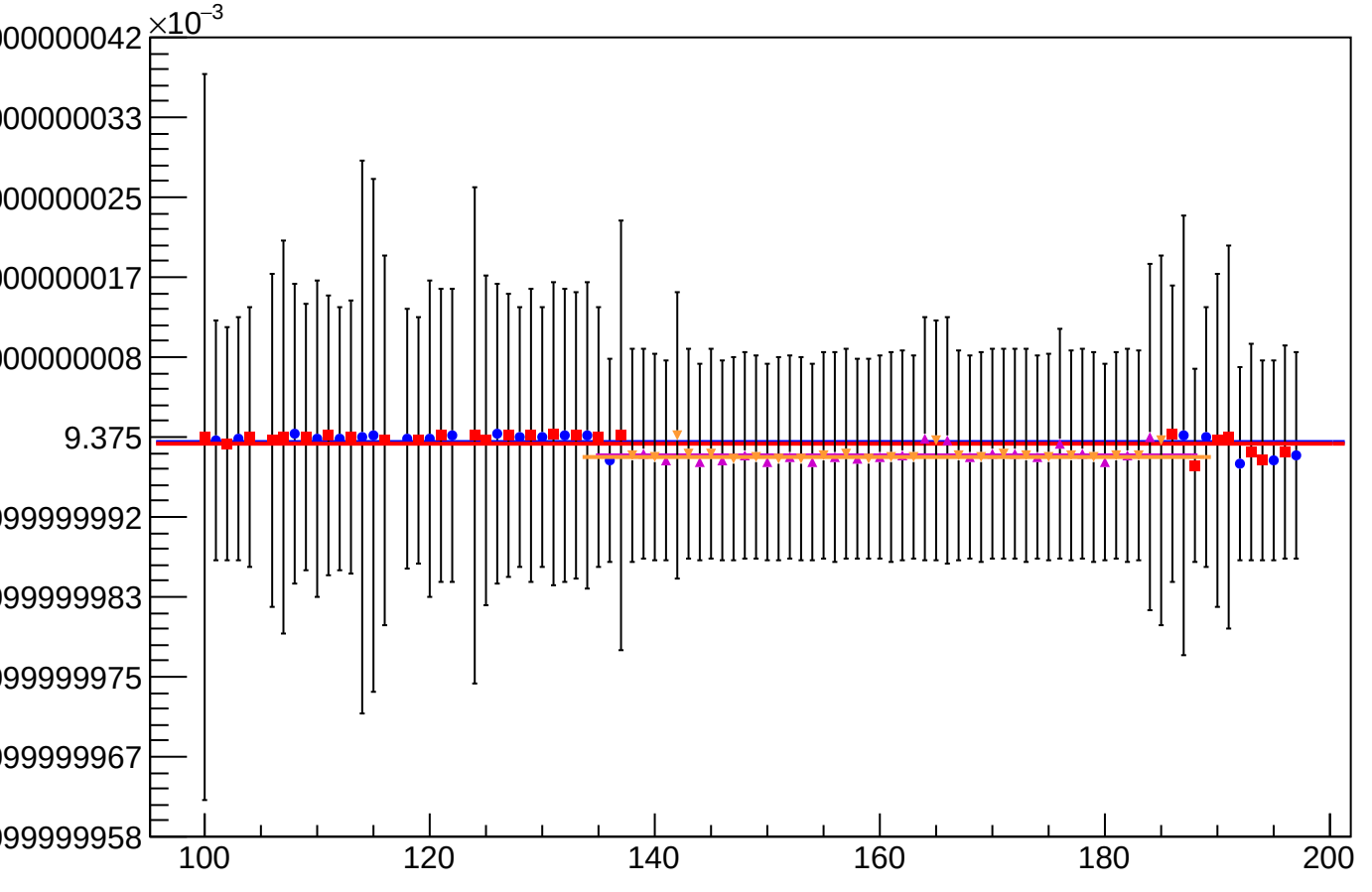
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/45

All: 0.009+/-0.000 χ^2/NDF: 0.7/94

- sign 0.009+/-0.000 χ^2/NDF: 0.4/48

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/20

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/25

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/45

All: 0.009+/-0.000 χ^2/NDF: 0.7/94

- sign 0.009+/-0.000 χ^2/NDF: 0.4/48